

## 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	15SEP2011 05:25:13
Data source version	KSPT_L0/4504-N
Processing scope for products	11SEP2011 00:00:00 to 12SEP2011 00:00:00
Start time of first product within scope	11SEP2011 00:12:09
Stop time of last product within scope	12SEP2011 01:15:34
Total number of level 0 products	17
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__OPNPDE20110911_001209_000059823106_00260_49843_9609.N1	11SEP2011 00:12:09	11SEP2011 01:51:51	0	0	0	0	0
1	MIP_NL__OPNPDE20110911_003144_000048073106_00261_49844_9611.N1	11SEP2011 00:31:44	11SEP2011 01:51:51	0	0	0	0	0
2	MIP_NL__OPNPDE20110911_015052_000043763106_00261_49844_9610.N1	11SEP2011 01:50:52	11SEP2011 03:03:49	0	0	0	0	0
3	MIP_NL__OPNPDE20110911_030313_000061253106_00262_49845_9612.N1	11SEP2011 03:03:13	11SEP2011 04:45:18	0	0	0	0	0
4	MIP_NL__OPNPDE20110911_044445_000060963106_00263_49846_9613.N1	11SEP2011 04:44:45	11SEP2011 06:26:20	0	0	0	0	0
5	MIP_NL__OPNPDK20110911_062547_000040553106_00264_49847_6284.N1	11SEP2011 06:25:47	11SEP2011 07:33:22	0	0	0	0	0
6	MIP_NL__OPNPDK20110911_073248_000061243106_00265_49848_6285.N1	11SEP2011 07:32:48	11SEP2011 09:14:52	0	0	0	0	0
7	MIP_NL__OPNPDK20110911_091417_000059773106_00266_49849_6286.N1	11SEP2011 09:14:17	11SEP2011 10:53:53	0	0	0	0	0
8	MIP_NL__OPNPDK20110911_105309_000059953106_00267_49850_6287.N1	11SEP2011 10:53:09	11SEP2011 12:33:05	0	0	0	0	0
9	MIP_NL__OPNPDK20110911_123221_000059493106_00268_49851_6288.N1	11SEP2011 12:32:21	11SEP2011 14:11:30	0	0	0	0	0
10	MIP_NL__OPNPDK20110911_141044_000058453106_00269_49852_6289.N1	11SEP2011 14:10:44	11SEP2011 15:48:10	0	0	0	0	0
11	MIP_NL__OPNPDK20110911_154629_000059893106_00270_49853_6290.N1	11SEP2011 15:46:29	11SEP2011 17:26:18	0	0	0	0	0
12	MIP_NL__OPNPDK20110911_172520_000059503106_00271_49854_6291.N1	11SEP2011 17:25:20	11SEP2011 19:04:29	0	0	0	0	0
13	MIP_NL__OPNPDK20110911_190327_000060213106_00272_49855_6292.N1	11SEP2011 19:03:27	11SEP2011 20:43:47	0	0	0	0	0
14	MIP_NL__OPNPDE20110911_204226_000043763106_00273_49856_9614.N1	11SEP2011 20:42:26	11SEP2011 21:55:22	0	0	0	0	0
15	MIP_NL__OPNPDE20110911_215422_000061293106_00273_49856_9615.N1	11SEP2011 21:54:22	11SEP2011 23:36:31	0	0	0	0	0
16	MIP_NL__OPNPDE20110911_233526_000060083106_00274_49857_9616.N1	11SEP2011 23:35:26	12SEP2011 01:15:34	0	0	0	0	0

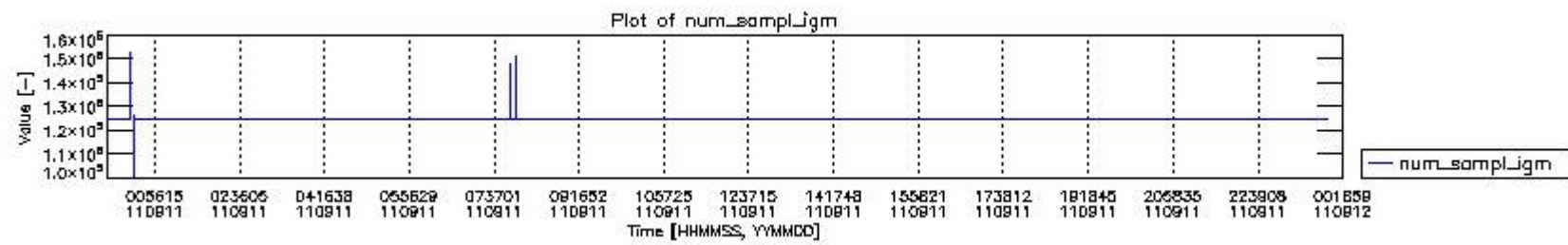
## 0.2 Instrument Operational Performance Parameters

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.

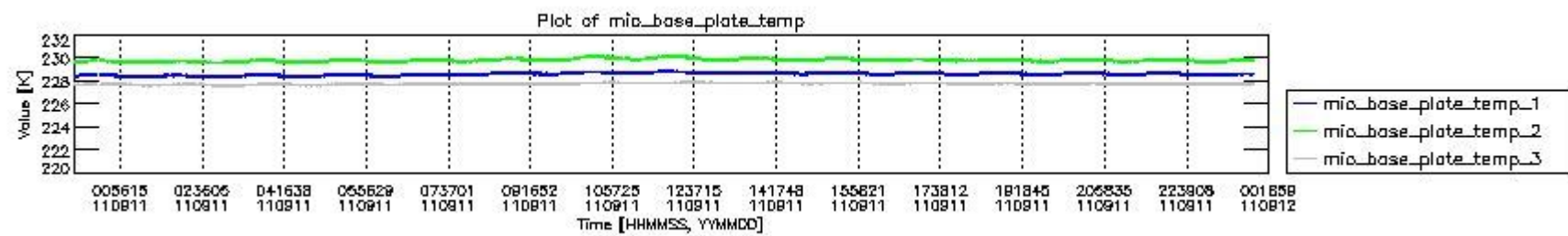
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100483	1	0.0024094644

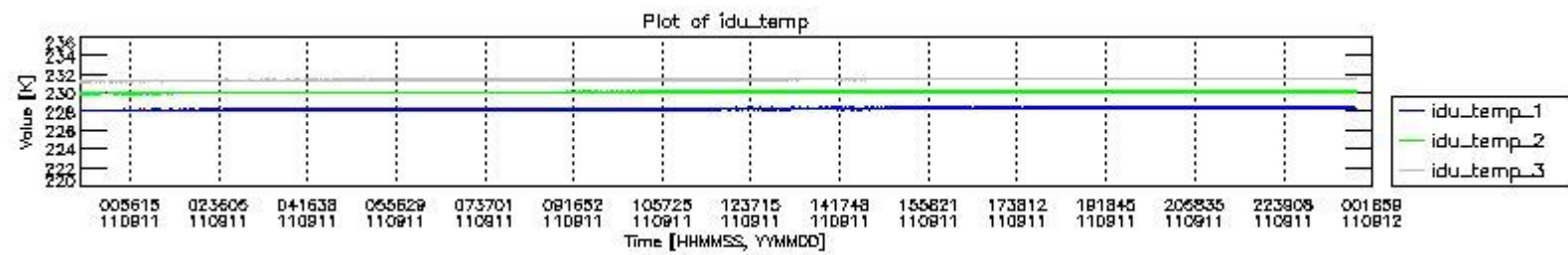
124800	39119	94.255837
124803	2372	5.7152495
125735	1	0.0024094644
126341	1	0.0024094644
126670	1	0.0024094644
127828	1	0.0024094644
128794	1	0.0024094644
146473	1	0.0024094644
147960	1	0.0024094644
148014	1	0.0024094644
148926	1	0.0024094644
150988	1	0.0024094644
152920	1	0.0024094644



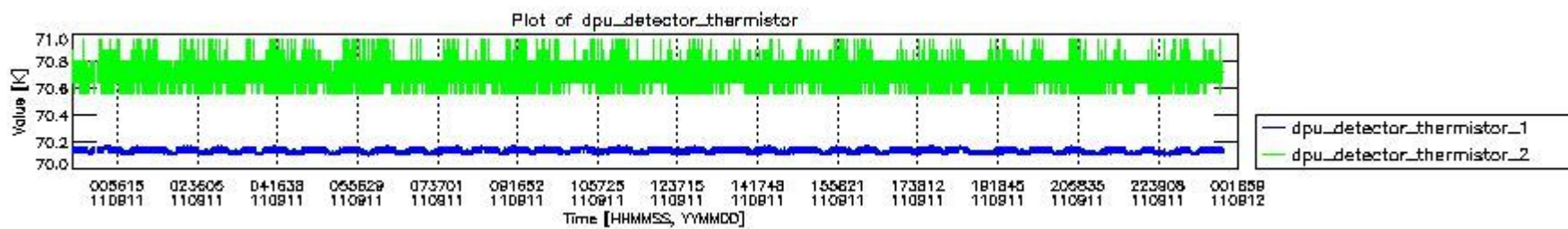
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_0.PNG



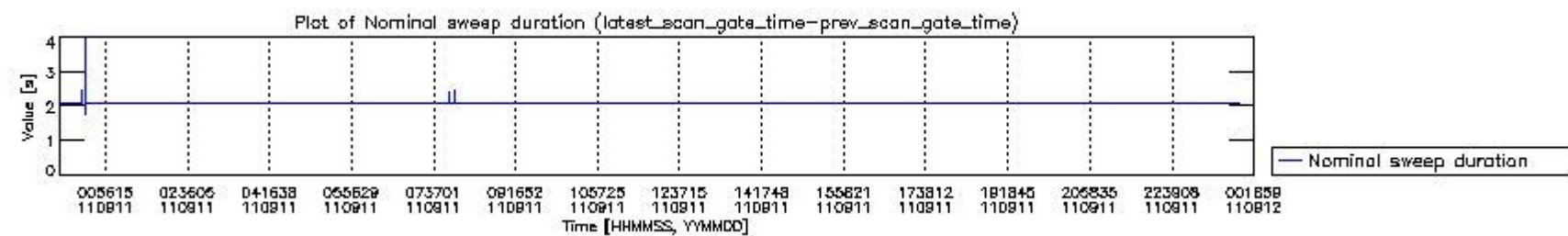
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_1.PNG



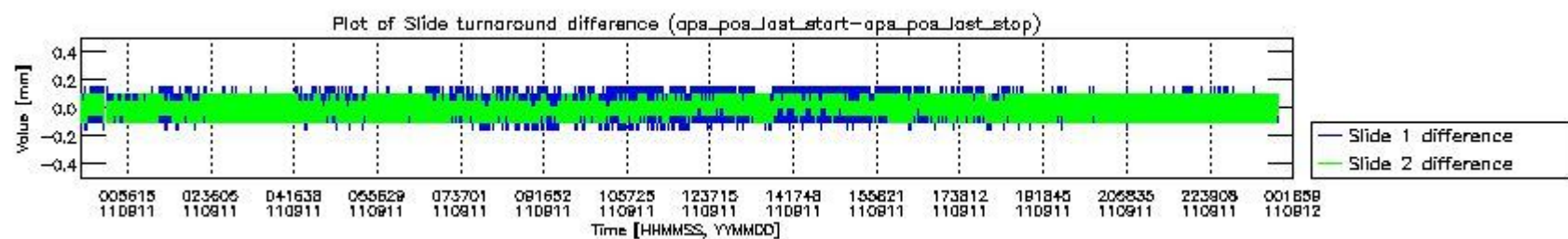
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_2.PNG



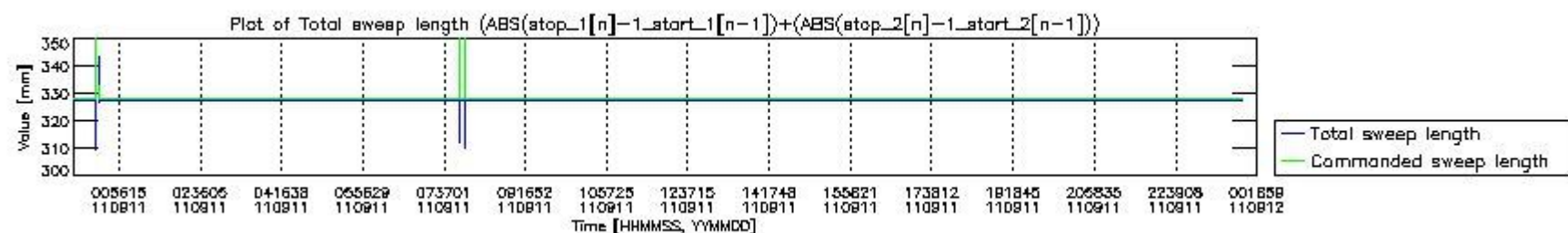
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_3.PNG



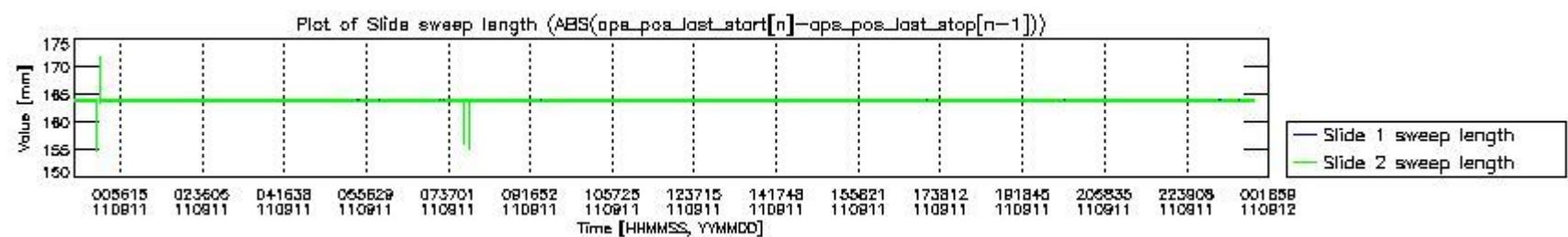
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_4.PNG



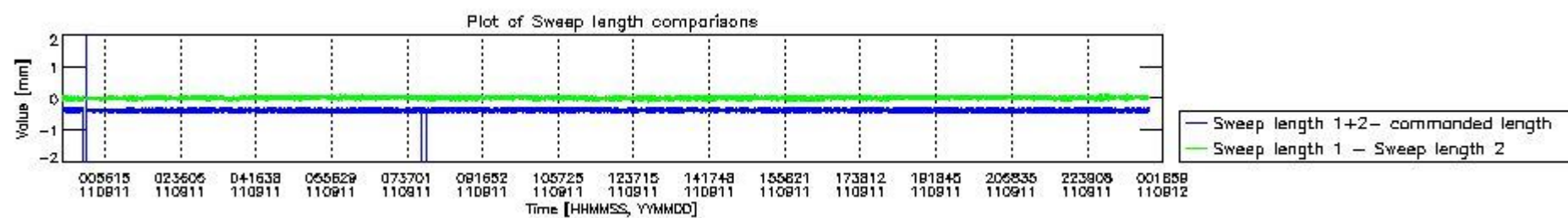
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_5.PNG



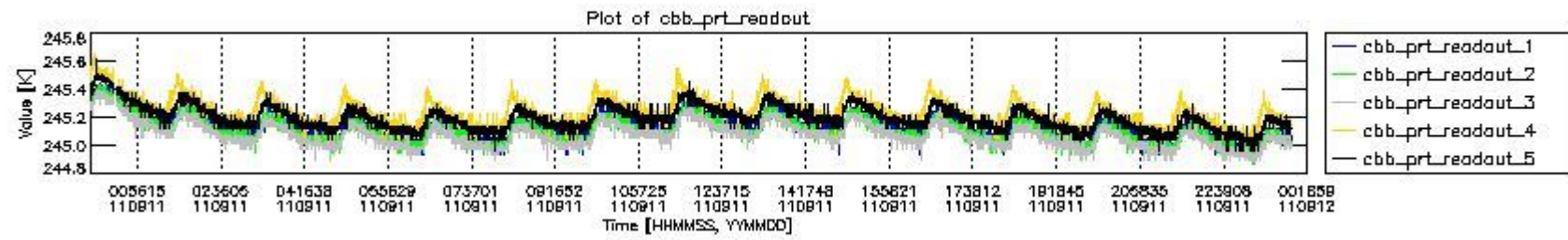
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_6.PNG



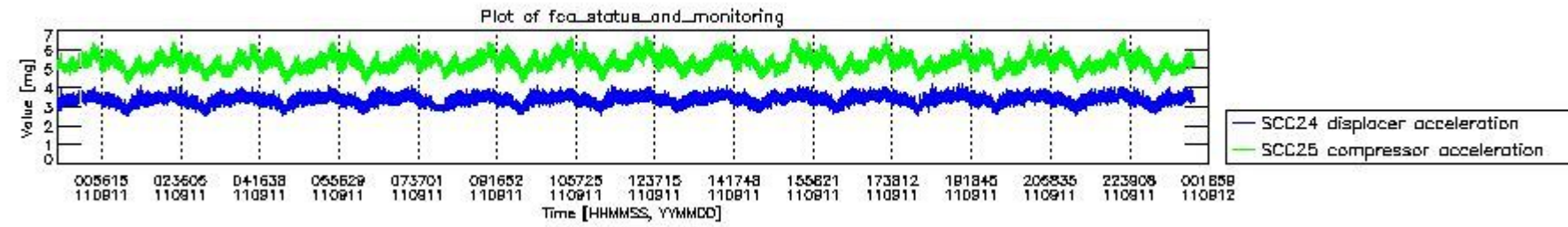
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_9.PNG

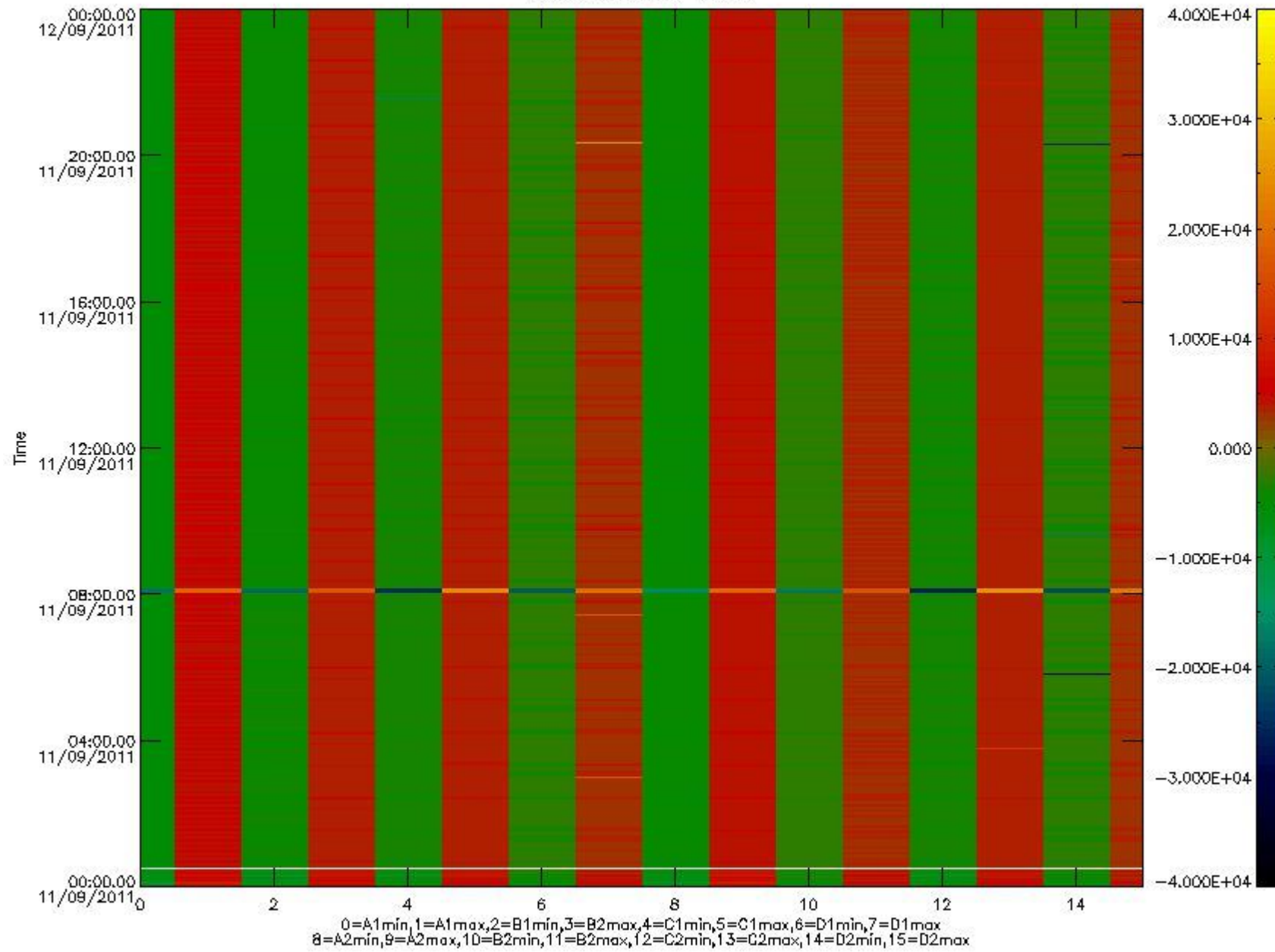


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_10.PNG

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

Channel	Min	Max	ADC
A1	-18168	19312	16bit
B1	-20120	17390	16bit
C1	-25310	24986	16bit
D1	-32768	32767	16bit
A2	-15742	19475	16bit
B2	-18108	17829	16bit
C2	-26242	25762	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\_20110911\_11.PNG

### 0.3 ADF monitoring

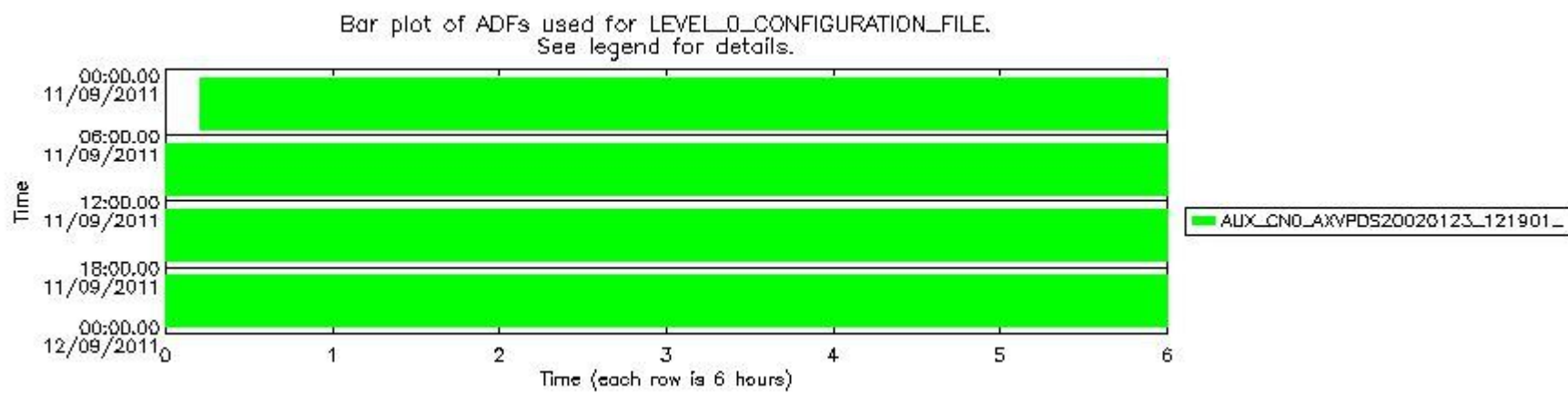
The use of ADFs is shown in two ways:

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.

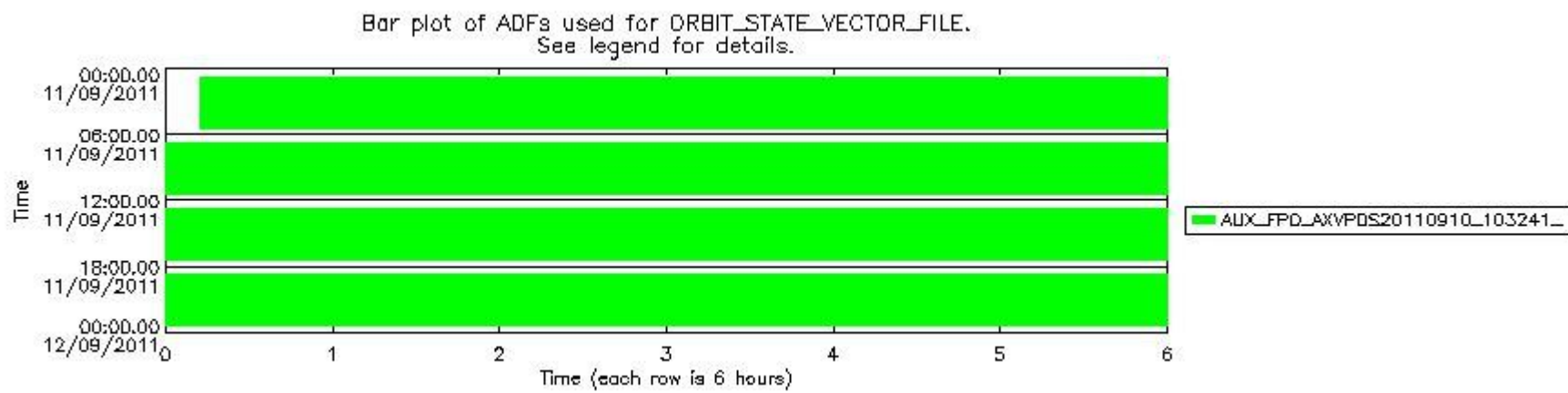
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110910_103241_20110909_181945_20110919_203331

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110911_001209_000059823106_00260_49843_9609.N1	0	1

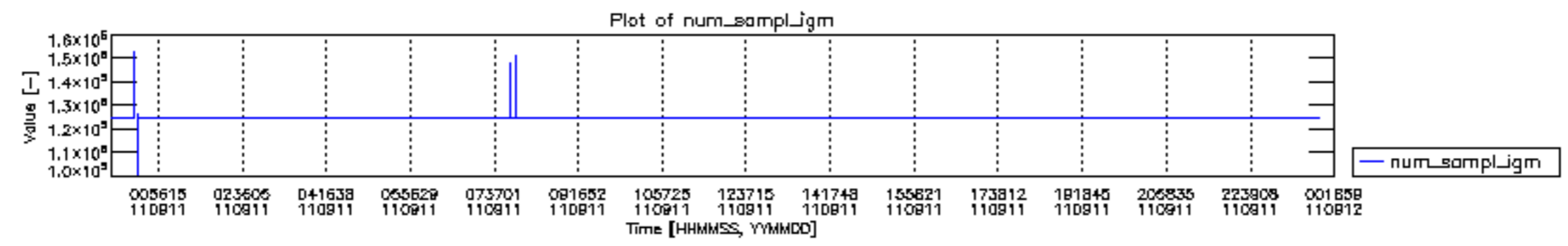
1	MIP_NL__0PNPDE20110911_003144_000048073106_00261_49844_9611.N1	0	1
2	MIP_NL__0PNPDE20110911_015052_000043763106_00261_49844_9610.N1	0	1
3	MIP_NL__0PNPDE20110911_030313_000061253106_00262_49845_9612.N1	0	1
4	MIP_NL__0PNPDE20110911_044445_000060963106_00263_49846_9613.N1	0	1
5	MIP_NL__0PNPDK20110911_062547_000040553106_00264_49847_6284.N1	0	1
6	MIP_NL__0PNPDK20110911_073248_000061243106_00265_49848_6285.N1	0	1
7	MIP_NL__0PNPDK20110911_091417_000059773106_00266_49849_6286.N1	0	1
8	MIP_NL__0PNPDK20110911_105309_000059953106_00267_49850_6287.N1	0	1
9	MIP_NL__0PNPDK20110911_123221_000059493106_00268_49851_6288.N1	0	1
10	MIP_NL__0PNPDK20110911_141044_000058453106_00269_49852_6289.N1	0	1
11	MIP_NL__0PNPDK20110911_154629_000059893106_00270_49853_6290.N1	0	1
12	MIP_NL__0PNPDK20110911_172520_000059503106_00271_49854_6291.N1	0	1
13	MIP_NL__0PNPDK20110911_190327_000060213106_00272_49855_6292.N1	0	1
14	MIP_NL__0PNPDE20110911_204226_000043763106_00273_49856_9614.N1	0	1
15	MIP_NL__0PNPDE20110911_215422_000061293106_00273_49856_9615.N1	0	1
16	MIP_NL__0PNPDE20110911_233526_000060083106_00274_49857_9616.N1	0	1

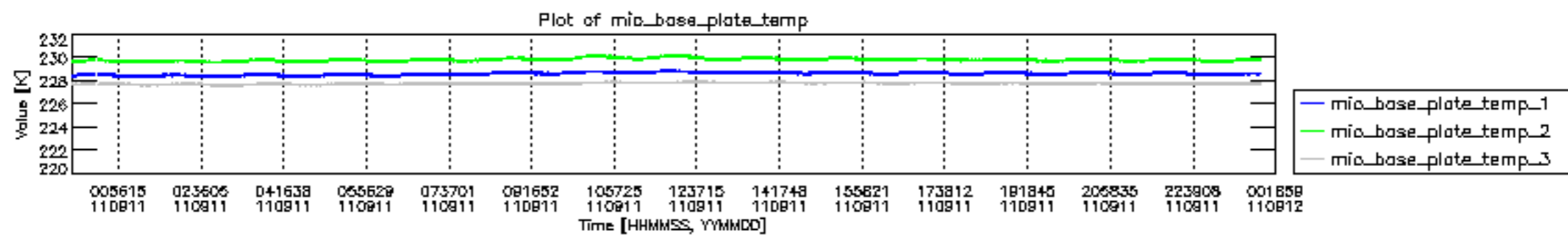


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_12.PNG

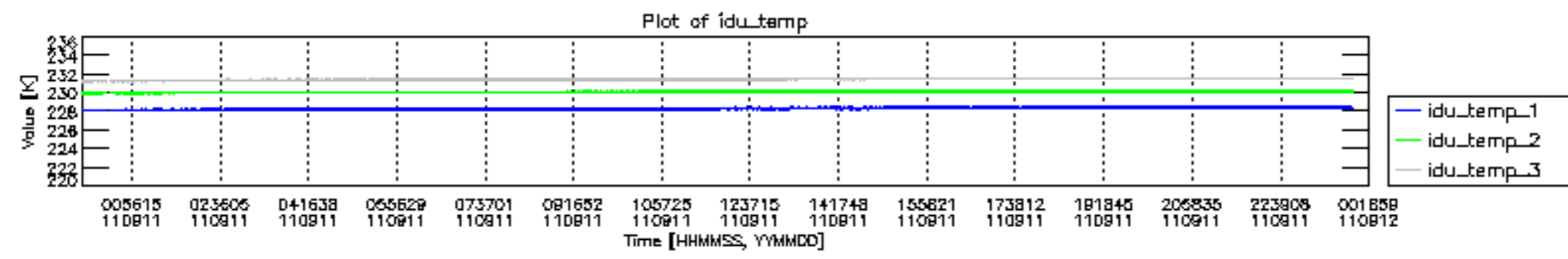


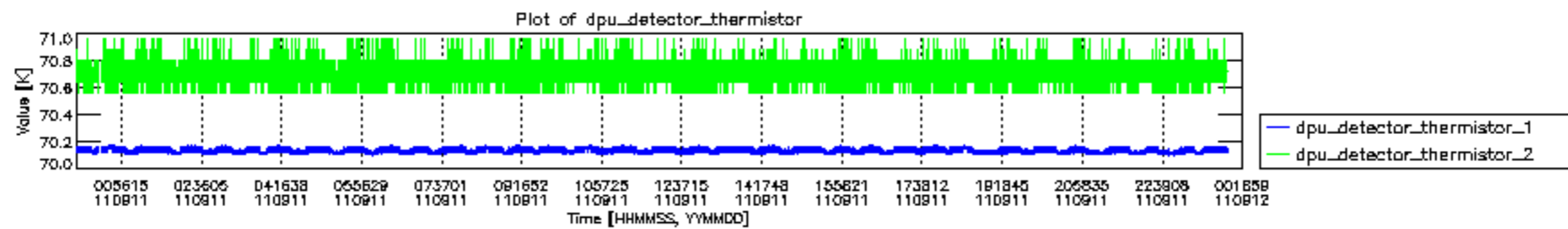
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110911\_13.PNG

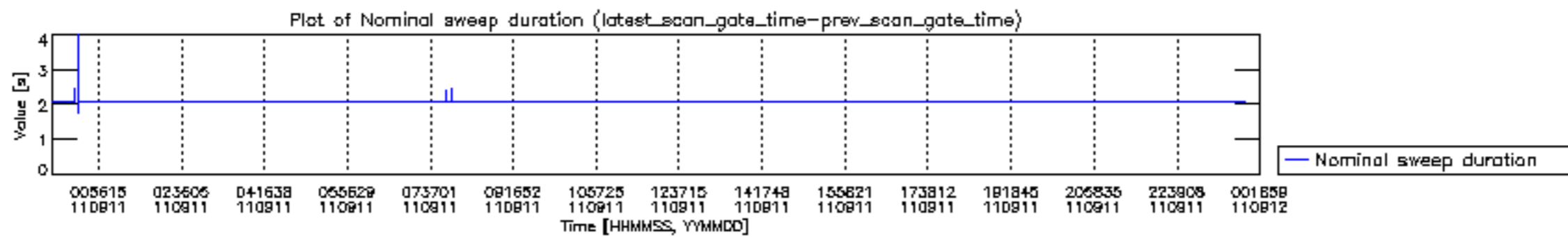


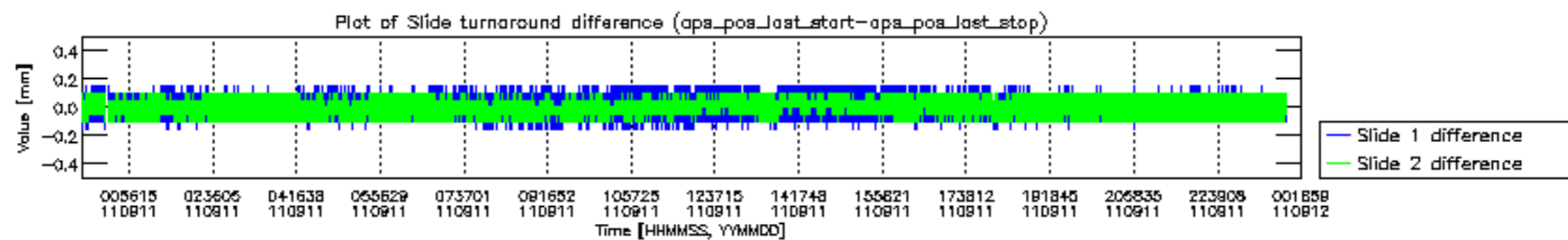


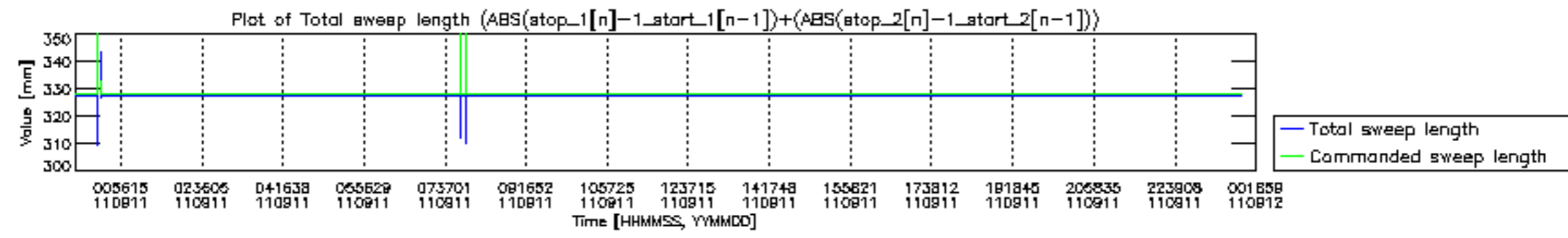


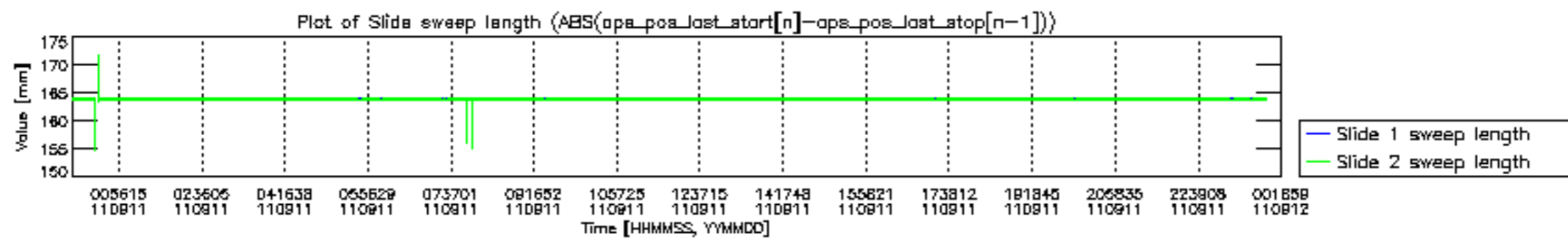


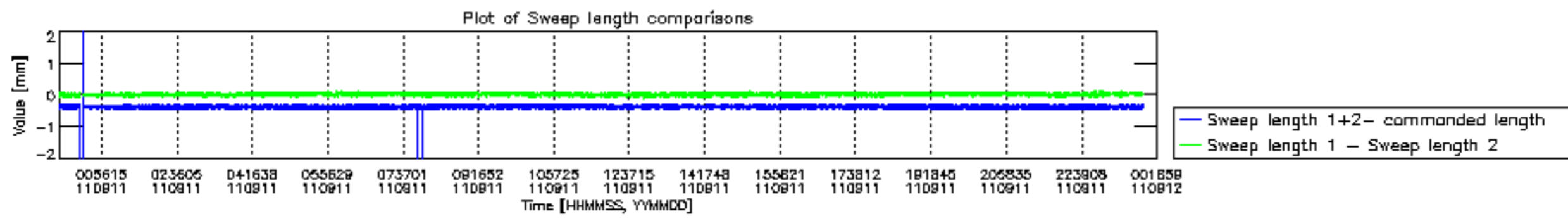


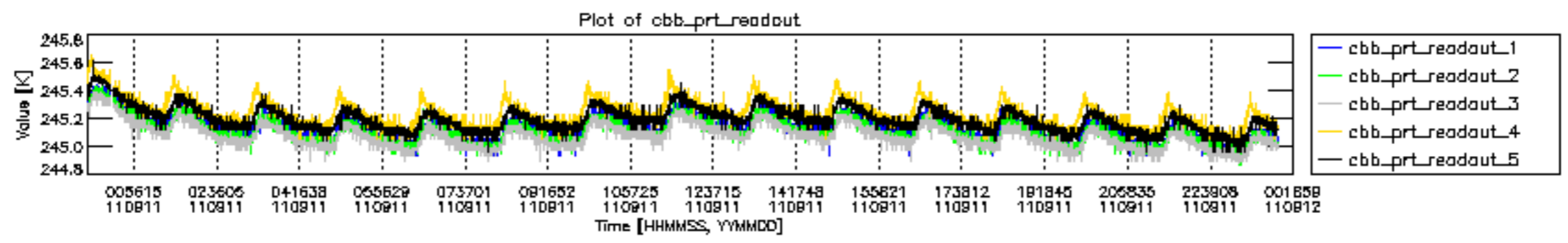




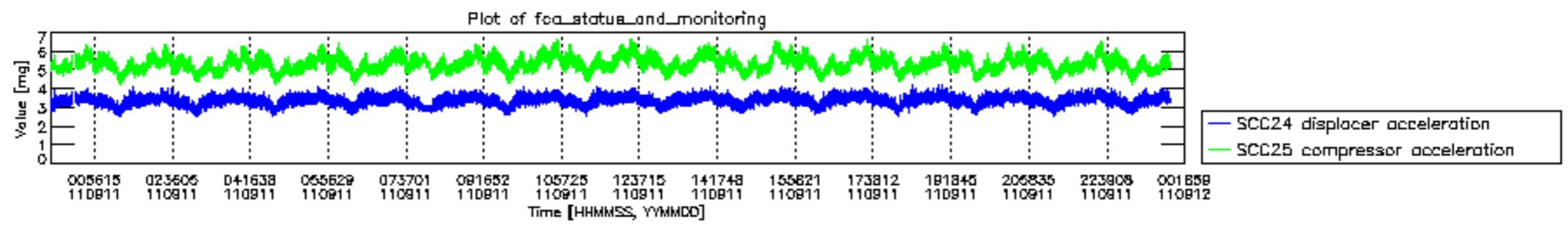












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

