

## 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	14APR2011 05:23:31
Data source version	KSPT_L0/4504-N
Processing scope for products	09APR2011 00:00:00 to 10APR2011 00:00:00
Start time of first product within scope	09APR2011 01:31:33
Stop time of last product within scope	10APR2011 00:58:38
Total number of level 0 products	15
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__0PNPDE20110409_013133_000043913101_00189_47617_3378.N1	09APR2011 01:31:33	09APR2011 02:44:44	0	0	0	0	0
1	MIP_NL__0PNPDE20110409_024411_000061733101_00190_47618_3379.N1	09APR2011 02:44:11	09APR2011 04:27:04	0	0	0	0	0
2	MIP_NL__0PNPDE20110409_042630_000060463101_00191_47619_3380.N1	09APR2011 04:26:30	09APR2011 06:07:16	0	0	0	0	0
3	MIP_NL__0PNPDK20110409_060643_000041423101_00192_47620_4774.N1	09APR2011 06:06:43	09APR2011 07:15:44	0	0	0	0	0
4	MIP_NL__0PNPDK20110409_071511_000061043101_00193_47621_4775.N1	09APR2011 07:15:11	09APR2011 08:56:55	0	0	0	0	0
5	MIP_NL__0PNPDK20110409_085611_000060003101_00194_47622_4776.N1	09APR2011 08:56:11	09APR2011 10:36:10	0	0	0	0	0
6	MIP_NL__0PNPDK20110409_103527_000059653101_00195_47623_4777.N1	09APR2011 10:35:27	09APR2011 12:14:52	0	0	0	0	0
7	MIP_NL__0PNPDK20110409_121418_000059043101_00196_47624_4778.N1	09APR2011 12:14:18	09APR2011 13:52:42	0	0	0	0	0
8	MIP_NL__0PNPDK20110409_135208_000057223101_00197_47625_4779.N1	09APR2011 13:52:08	09APR2011 15:27:30	0	0	0	0	0
9	MIP_NL__0PNPDK20110409_152657_000059663101_00198_47626_4784.N1	09APR2011 15:26:57	09APR2011 17:06:23	0	0	0	0	0
10	MIP_NL__0PNPDK20110409_170525_000059333101_00199_47627_4782.N1	09APR2011 17:05:25	09APR2011 18:44:17	0	0	0	0	0
11	MIP_NL__0PNPDK20110409_184317_000060673101_00200_47628_4786.N1	09APR2011 18:43:17	09APR2011 20:24:23	0	0	0	0	0
12	MIP_NL__0PNPDE20110409_202251_000044003101_00201_47629_3383.N1	09APR2011 20:22:51	09APR2011 21:36:11	0	0	0	0	0
13	MIP_NL__0PNPDE20110409_213506_000061293101_00201_47629_3384.N1	09APR2011 21:35:06	09APR2011 23:17:15	0	0	0	0	0
14	MIP_NL__0PNPDE20110409_231617_000061423101_00202_47630_3386.N1	09APR2011 23:16:17	10APR2011 00:58:38	0	0	0	0	0

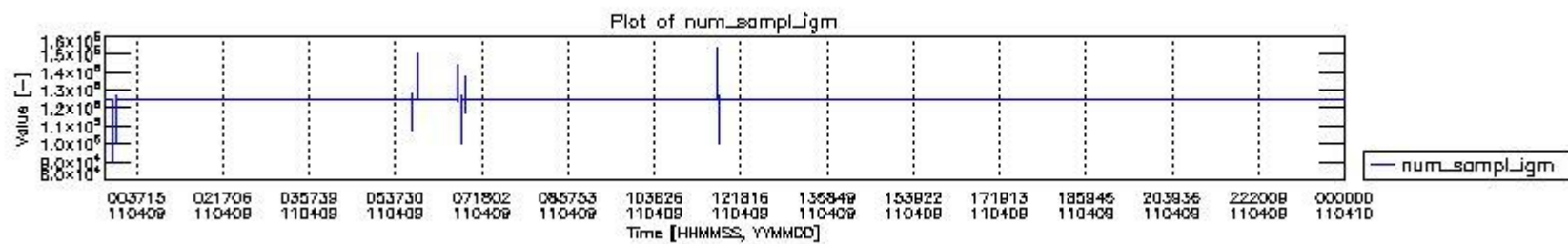
## 0.2 Instrument Operational Performance Parameters

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.

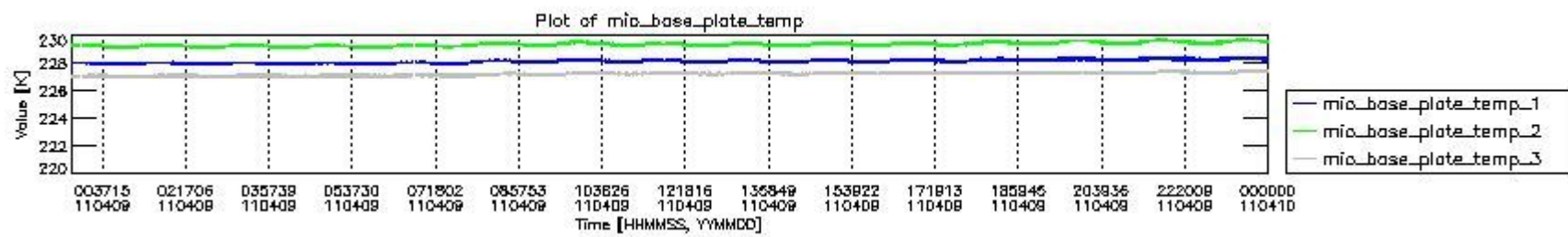
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
89582	1	0.0024280095
97125	1	0.0024280095
100483	1	0.0024280095

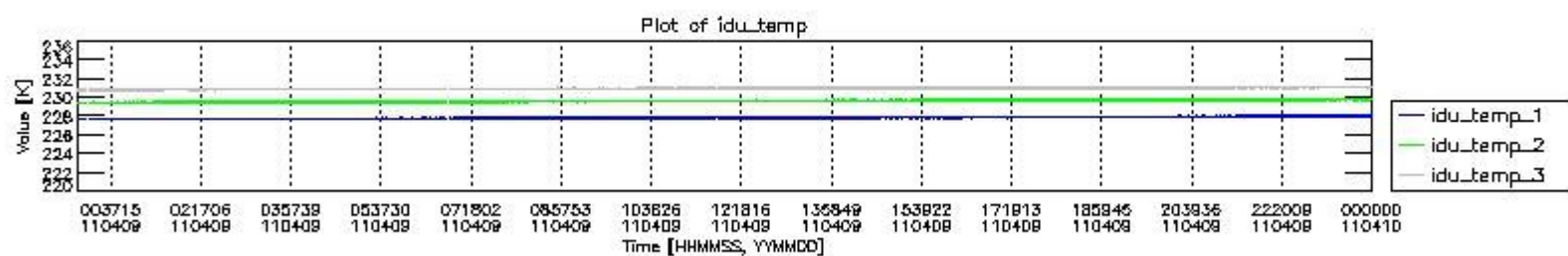
100632	1	0.0024280095
100706	1	0.0024280095
107458	1	0.0024280095
110248	1	0.0024280095
117257	1	0.0024280095
117643	1	0.0024280095
124037	1	0.0024280095
124800	38373	93.170009
124803	2786	6.7644345
125735	1	0.0024280095
125884	1	0.0024280095
125958	1	0.0024280095
126670	1	0.0024280095
126968	1	0.0024280095
127116	1	0.0024280095
127382	1	0.0024280095
127593	1	0.0024280095
128869	1	0.0024280095
130618	1	0.0024280095
137775	1	0.0024280095
143406	1	0.0024280095
144169	1	0.0024280095
147514	1	0.0024280095
149001	1	0.0024280095
150096	1	0.0024280095
153070	1	0.0024280095



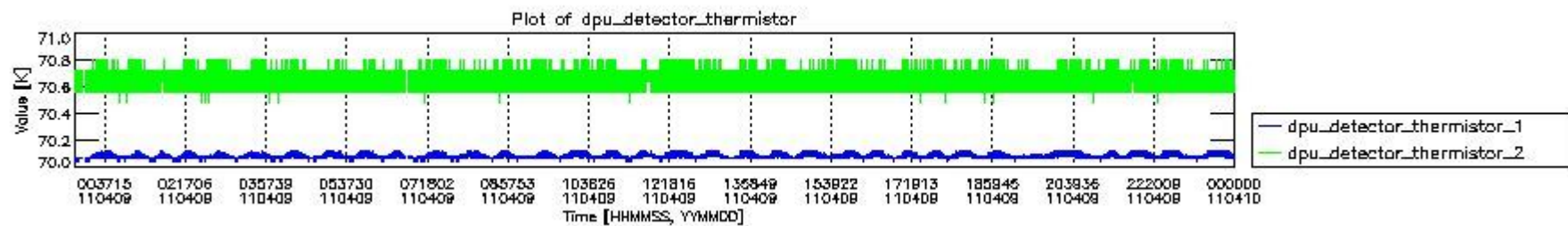
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110409\_0.PNG



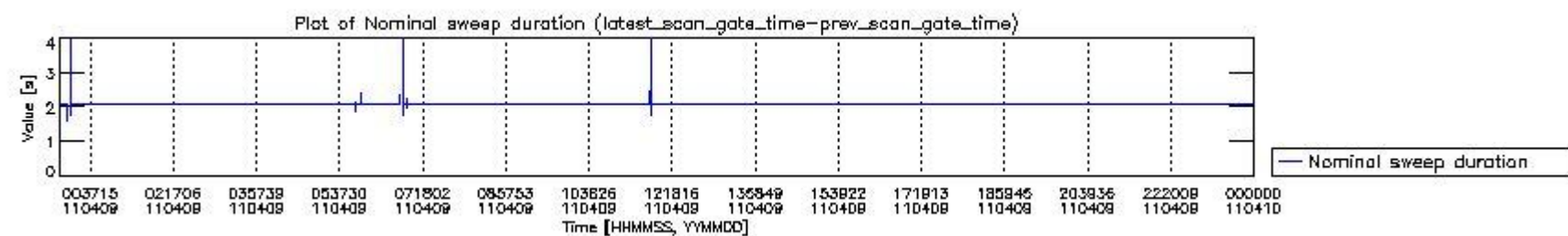
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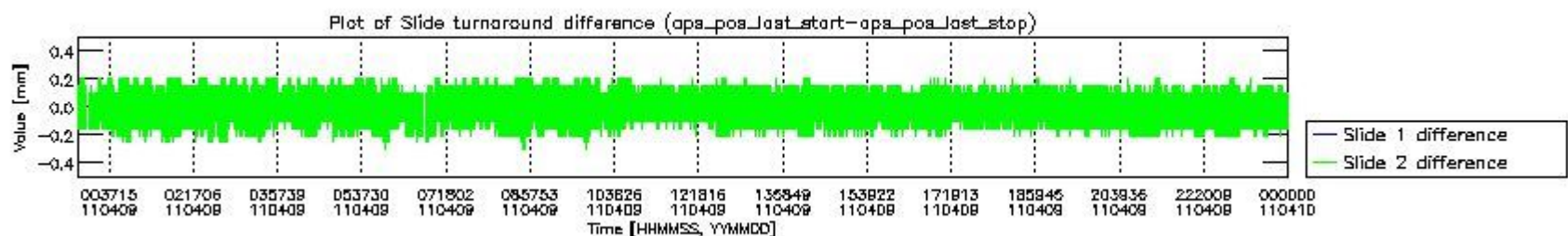
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110409\_2.PNG



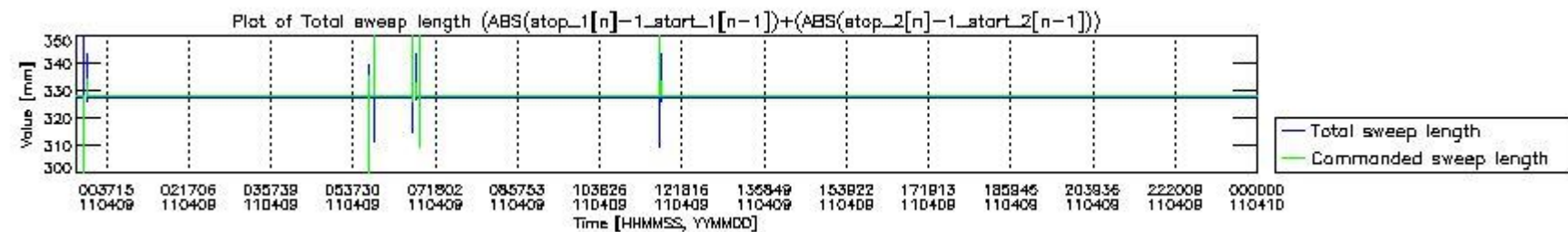
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110409\_3.PNG



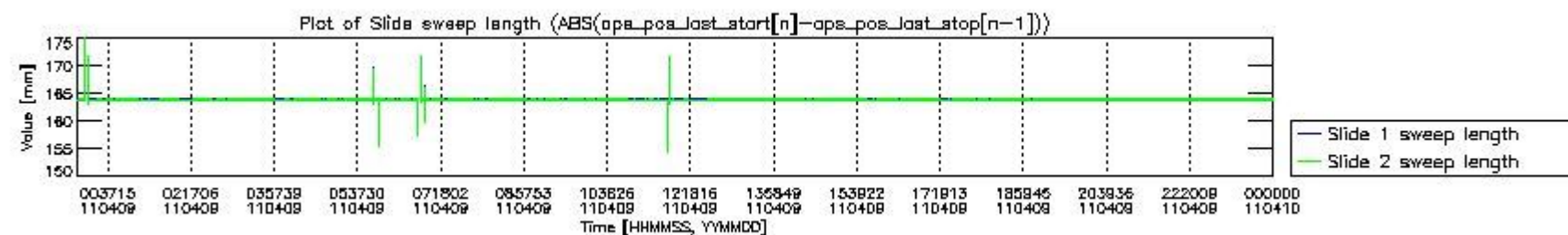
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110409\_4.PNG



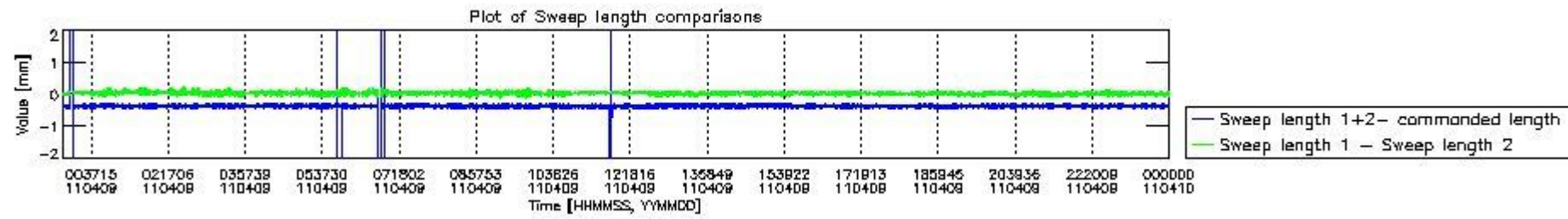
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110409\_5.PNG



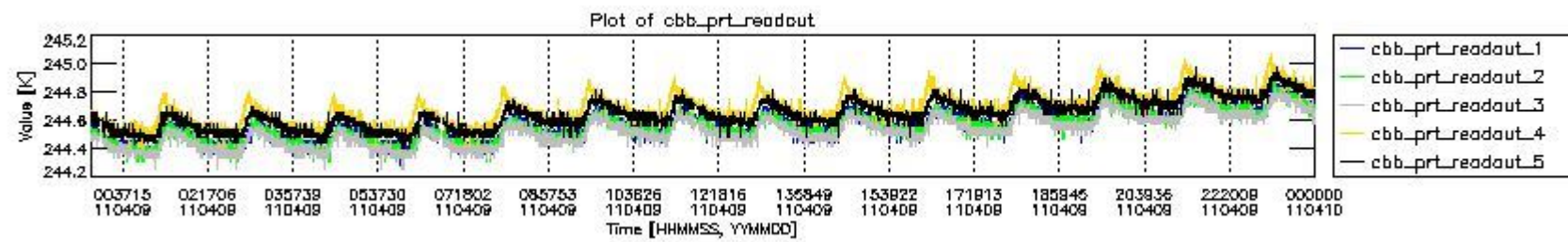
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110409\_6.PNG



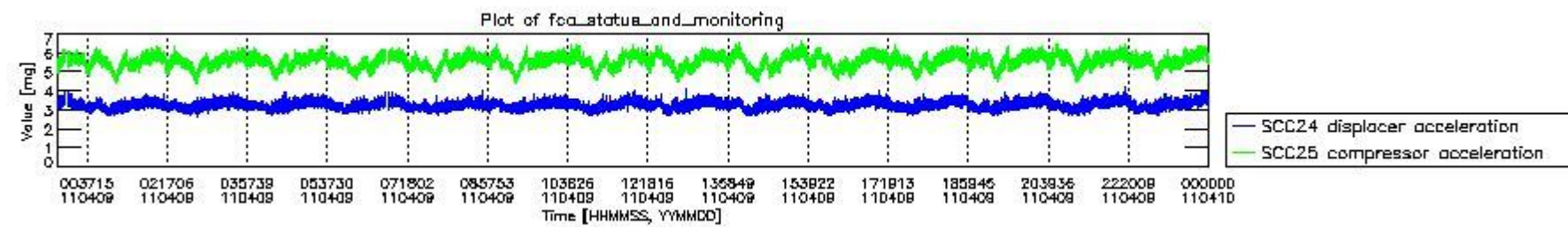
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110409\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110409\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110409\_9.PNG

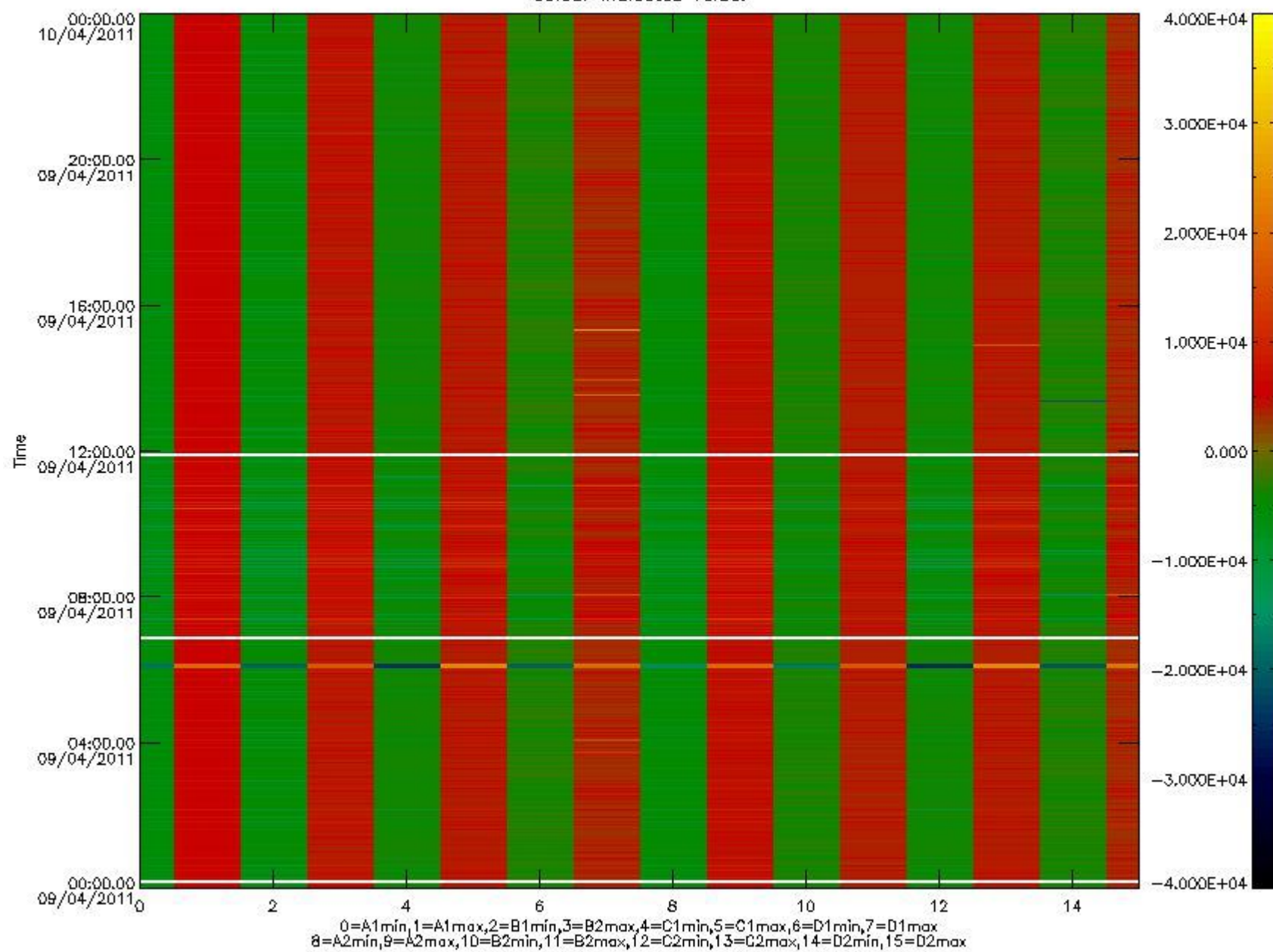


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110409\_10.PNG

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

Channel	Min	Max	ADC
A1	-18617	19991	16bit
B1	-20568	17564	16bit
C1	-24476	24378	16bit
D1	-32768	32767	16bit
A2	-15981	20005	16bit
B2	-18794	18188	16bit
C2	-25509	25096	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\_20110409\_11.PNG

### 0.3 ADF monitoring

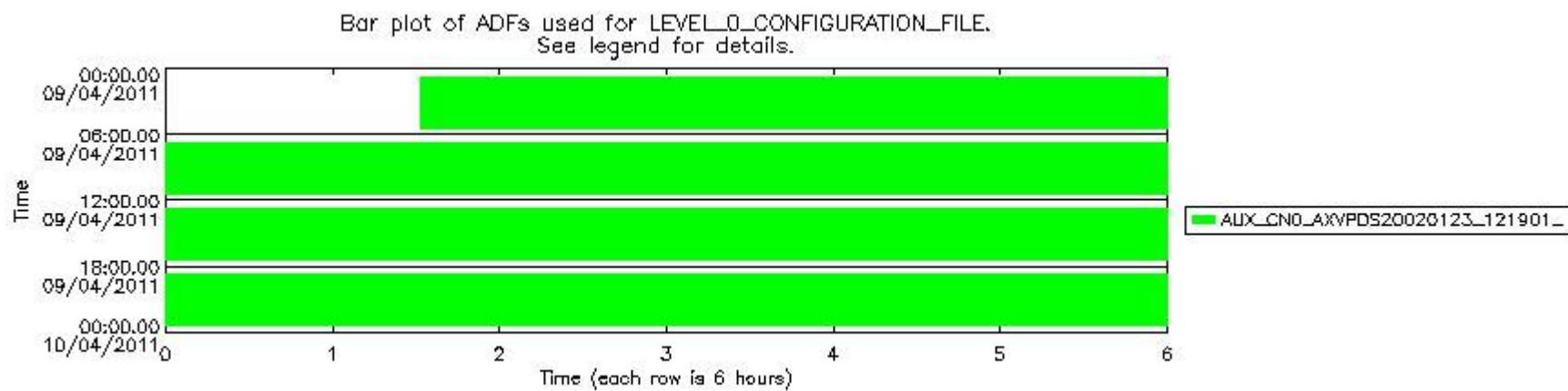
The use of ADFs is shown in two ways:

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.

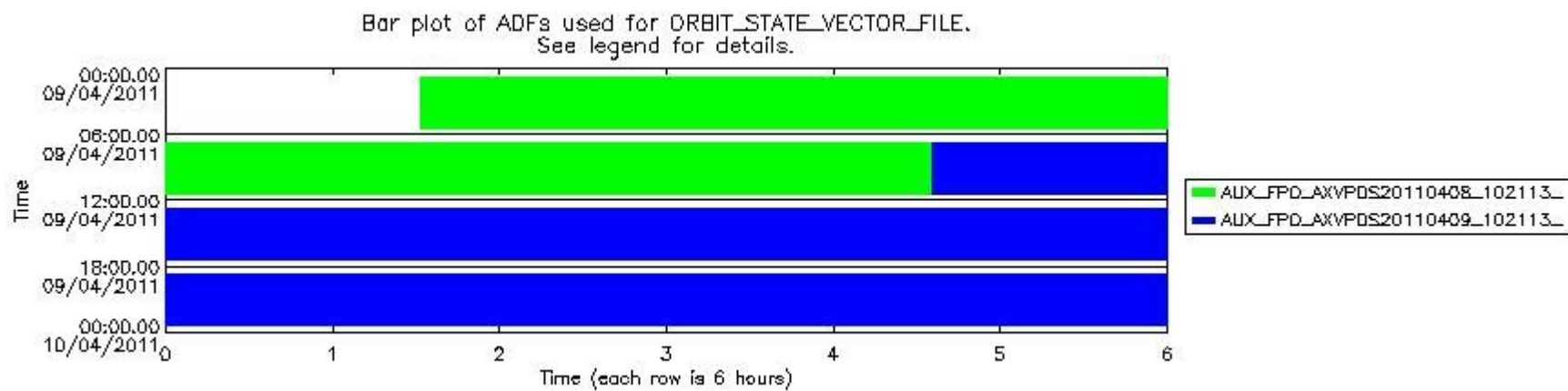
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110408_102113_20110407_194100_20110417_201435
2	AUX_FPO_AXVPDS20110409_102113_20110408_190416_20110418_211805

Number	Product name	#CN0	#FPO
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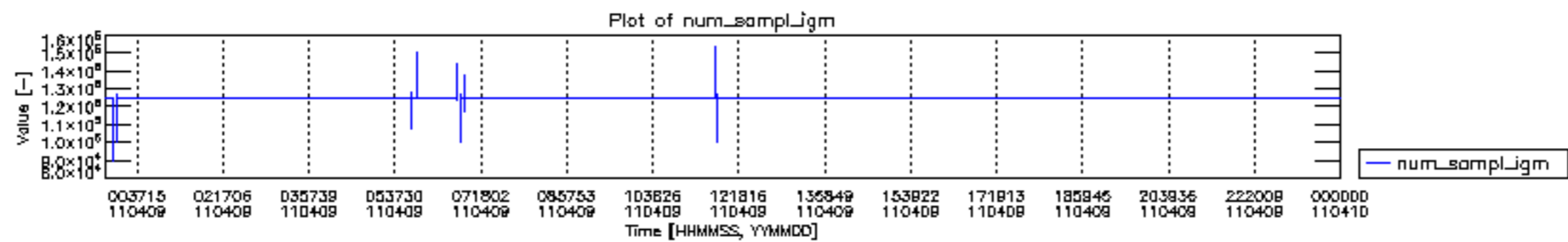
0	MIP_NL__0PNPDE20110409_013133_000043913101_00189_47617_3378.N1	0	1
1	MIP_NL__0PNPDE20110409_024411_000061733101_00190_47618_3379.N1	0	1
2	MIP_NL__0PNPDE20110409_042630_000060463101_00191_47619_3380.N1	0	1
3	MIP_NL__0PNPDK20110409_060643_000041423101_00192_47620_4774.N1	0	1
4	MIP_NL__0PNPDK20110409_071511_000061043101_00193_47621_4775.N1	0	1
5	MIP_NL__0PNPDK20110409_085611_000060003101_00194_47622_4776.N1	0	1
6	MIP_NL__0PNPDK20110409_103527_000059653101_00195_47623_4777.N1	0	2
7	MIP_NL__0PNPDK20110409_121418_000059043101_00196_47624_4778.N1	0	2
8	MIP_NL__0PNPDK20110409_135208_000057223101_00197_47625_4779.N1	0	2
9	MIP_NL__0PNPDK20110409_152657_000059663101_00198_47626_4784.N1	0	2
10	MIP_NL__0PNPDK20110409_170525_000059333101_00199_47627_4782.N1	0	2
11	MIP_NL__0PNPDK20110409_184317_000060673101_00200_47628_4786.N1	0	2
12	MIP_NL__0PNPDE20110409_202251_000044003101_00201_47629_3383.N1	0	2
13	MIP_NL__0PNPDE20110409_213506_000061293101_00201_47629_3384.N1	0	2
14	MIP_NL__0PNPDE20110409_231617_000061423101_00202_47630_3386.N1	0	2

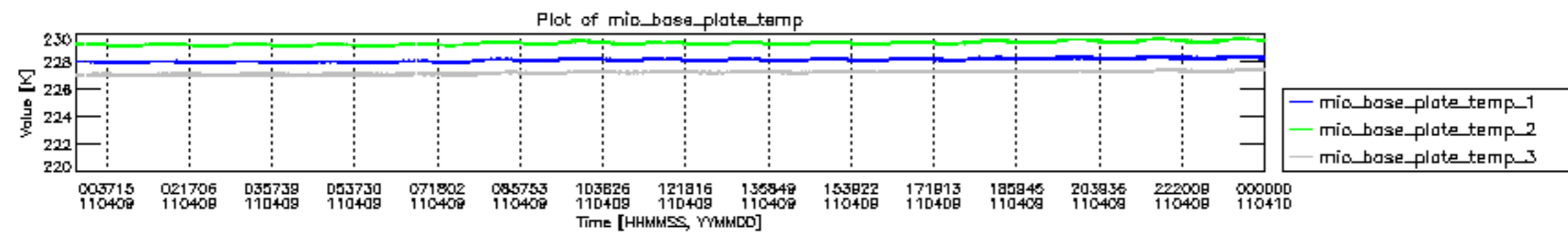


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110409\_12.PNG

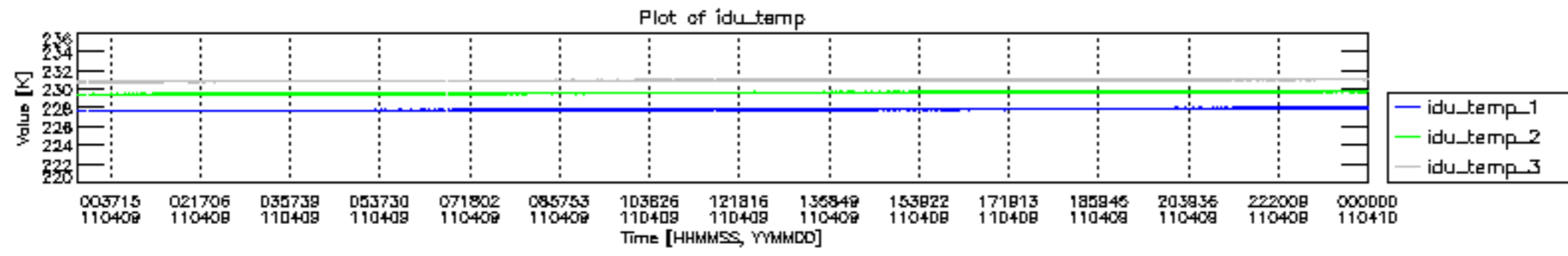


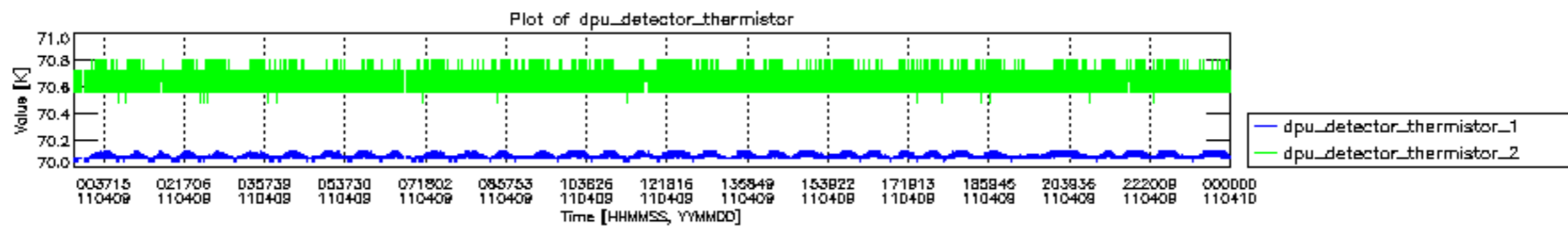
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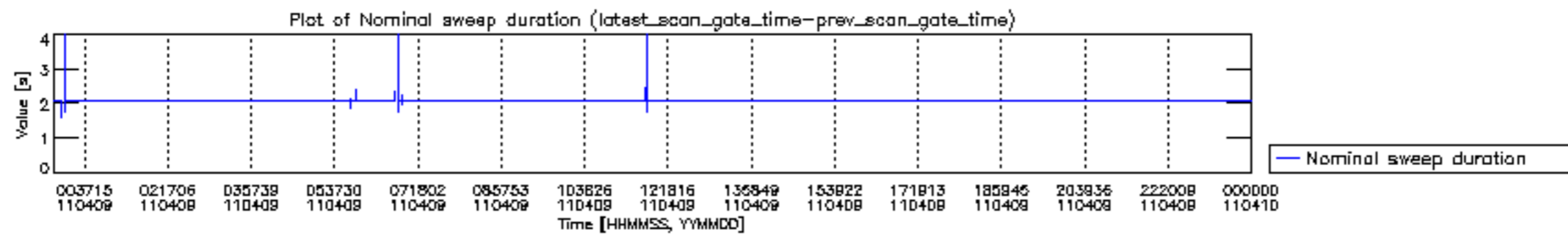


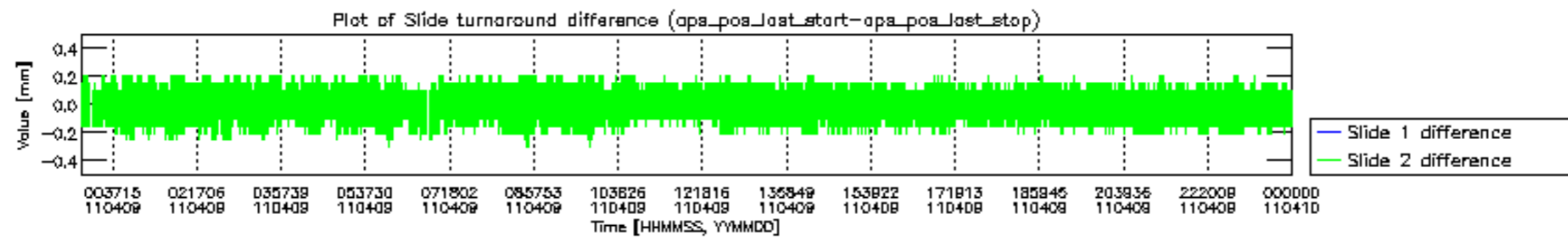


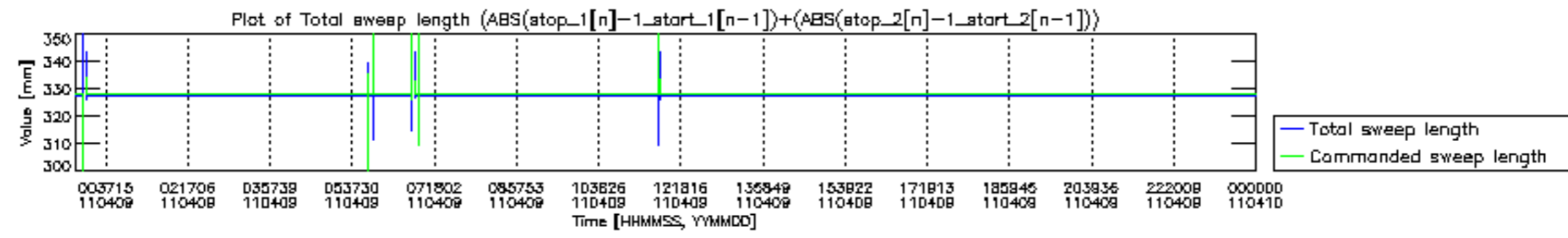


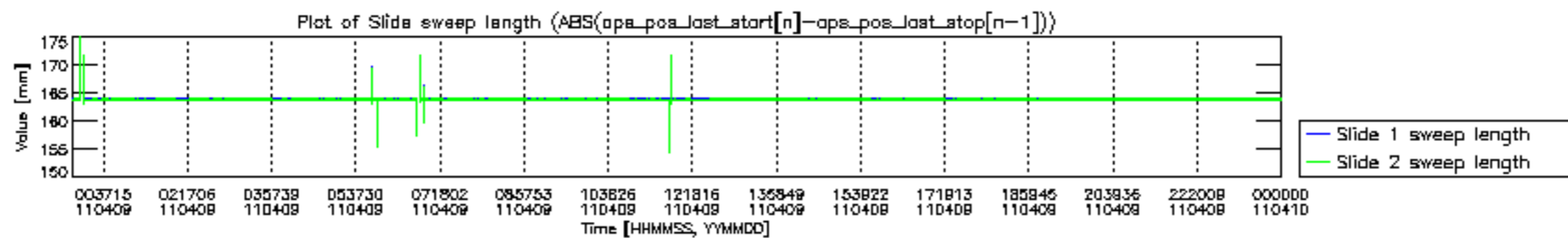


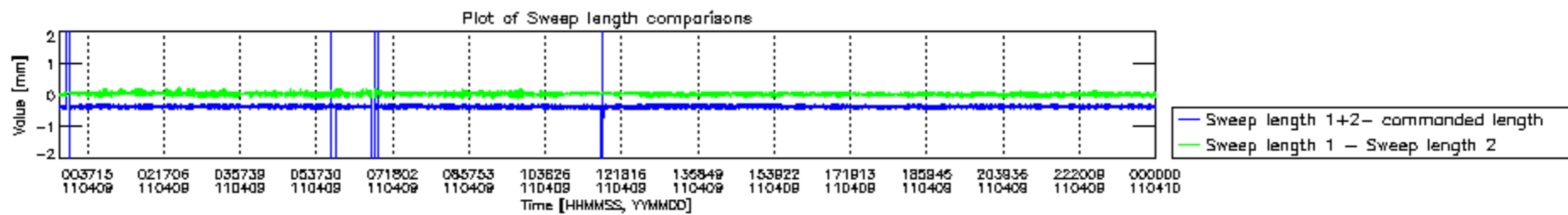


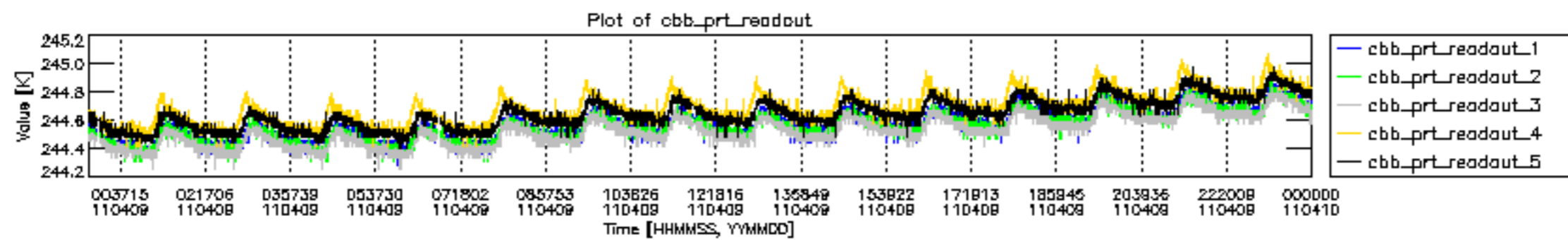




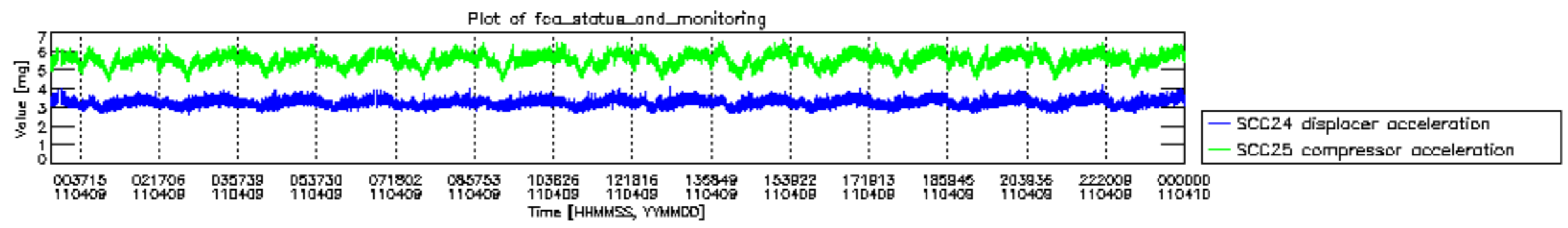












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

