

## 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	30JUL2011 05:22:23
Data source version	KSPT_L0/4504-N
Processing scope for products	25JUL2011 00:00:00 to 26JUL2011 00:00:00
Start time of first product within scope	25JUL2011 01:12:00
Stop time of last product within scope	26JUL2011 00:35:55
Total number of level 0 products	13
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__0PNPDE20110725_011200_000102013105_00002_49154_9302.N1	25JUL2011 01:12:00	25JUL2011 04:02:01	0	0	0	0	0
1	MIP_NL__0PNPDE20110725_015430_000076503105_00003_49155_4141.N1	25JUL2011 01:54:30	25JUL2011 04:02:01	0	0	0	0	0
2	MIP_NL__0PNPDE20110725_054536_000024073105_00005_49157_9304.N1	25JUL2011 05:45:36	25JUL2011 06:25:42	0	0	0	0	0
3	MIP_NL__0PNPDK20110725_094452_000017273105_00008_49160_5863.N1	25JUL2011 09:44:52	25JUL2011 10:13:40	0	0	0	0	0
4	MIP_NL__0PNPDK20110725_101258_000059583105_00008_49160_5864.N1	25JUL2011 10:12:58	25JUL2011 11:52:16	0	0	0	0	0
5	MIP_NL__0PNPDK20110725_115132_000060413105_00009_49161_5865.N1	25JUL2011 11:51:32	25JUL2011 13:32:13	0	0	0	0	0
6	MIP_NL__0PNPDK20110725_133140_000058473105_00010_49162_5866.N1	25JUL2011 13:31:40	25JUL2011 15:09:07	0	0	0	0	0
7	MIP_NL__0PNPDK20110725_150825_000059523105_00011_49163_5867.N1	25JUL2011 15:08:25	25JUL2011 16:47:37	0	0	0	0	0
8	MIP_NL__0PNPDK20110725_164704_000057973105_00012_49164_5868.N1	25JUL2011 16:47:04	25JUL2011 18:23:41	0	0	0	0	0
9	MIP_NL__0PNPDK20110725_182244_000060063105_00013_49165_5869.N1	25JUL2011 18:22:44	25JUL2011 20:02:51	0	0	0	0	0
10	MIP_NL__0PNPDE20110725_200123_000041553105_00014_49166_9305.N1	25JUL2011 20:01:23	25JUL2011 21:10:38	0	0	0	0	0
11	MIP_NL__0PNPDE20110725_210854_000064303105_00014_49166_9306.N1	25JUL2011 21:08:54	25JUL2011 22:56:04	0	0	0	0	0
12	MIP_NL__0PNPDE20110725_225507_000060483105_00015_49167_9307.N1	25JUL2011 22:55:07	26JUL2011 00:35:55	0	0	0	0	0

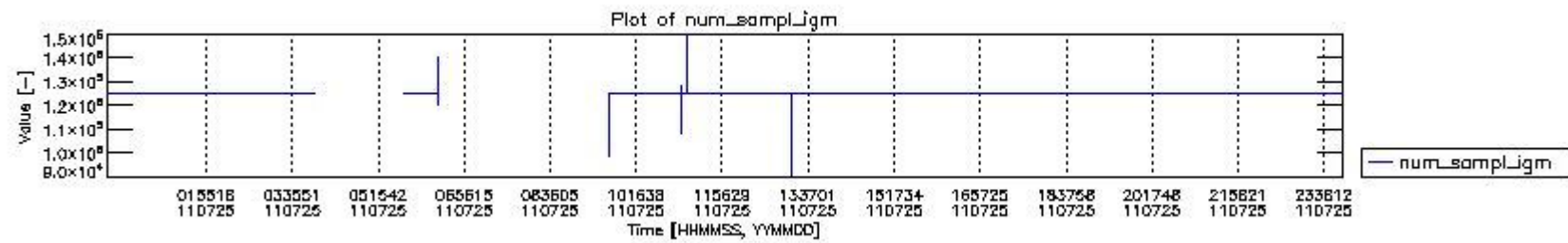
## 0.2 Instrument Operational Performance Parameters

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.

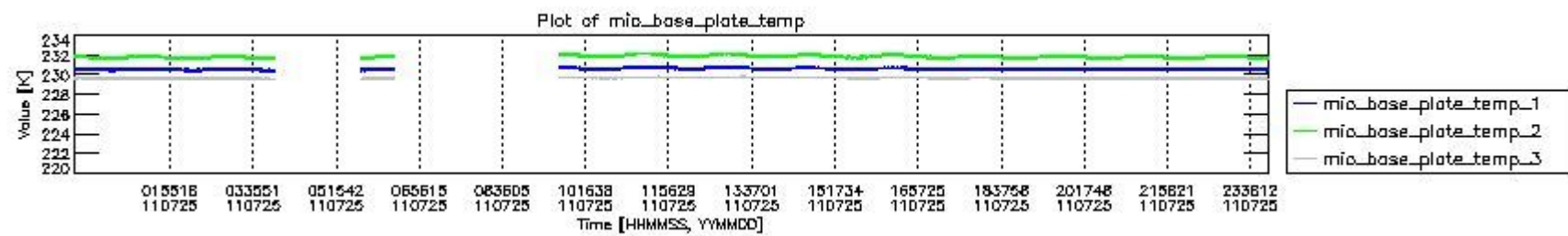
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
90474	1	0.0030468298
97571	1	0.0030468298
98699	1	0.0030468298
108351	1	0.0030468298
112034	1	0.0030468298

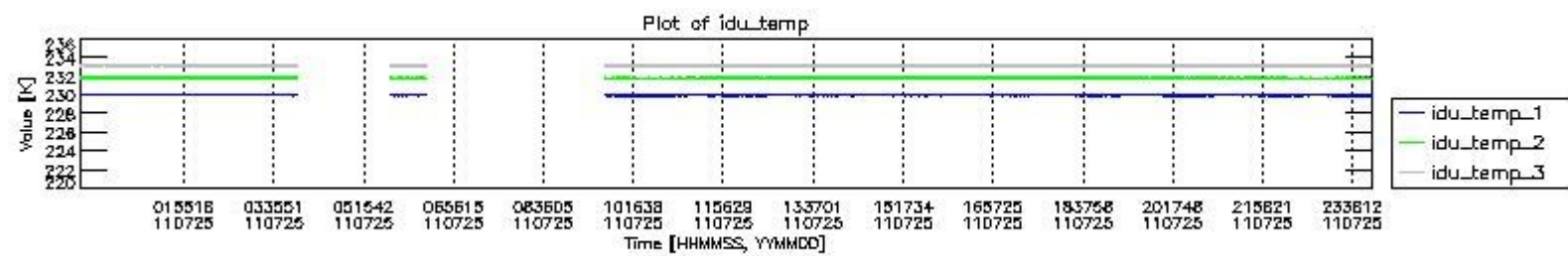
117703	1	0.0030468298
120394	1	0.0030468298
123102	1	0.0030468298
123951	1	0.0030468298
124800	30481	92.870418
124803	2325	7.0838792
127159	1	0.0030468298
128483	1	0.0030468298
136120	1	0.0030468298
140526	1	0.0030468298
147291	1	0.0030468298
149650	1	0.0030468298



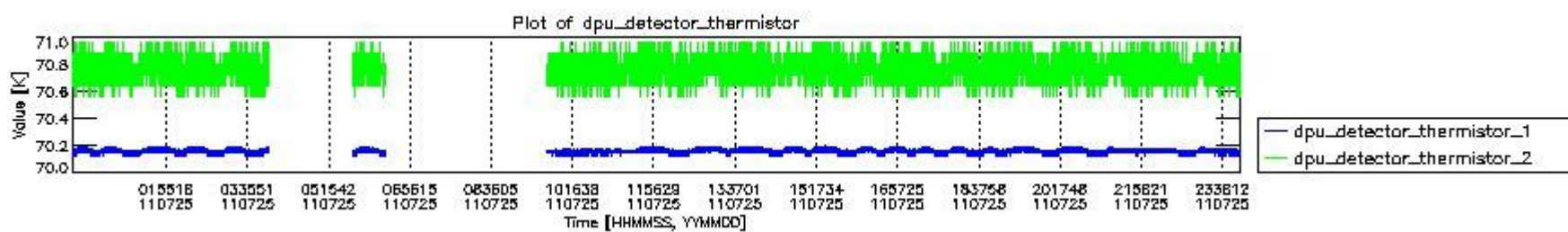
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110725\_0.PNG



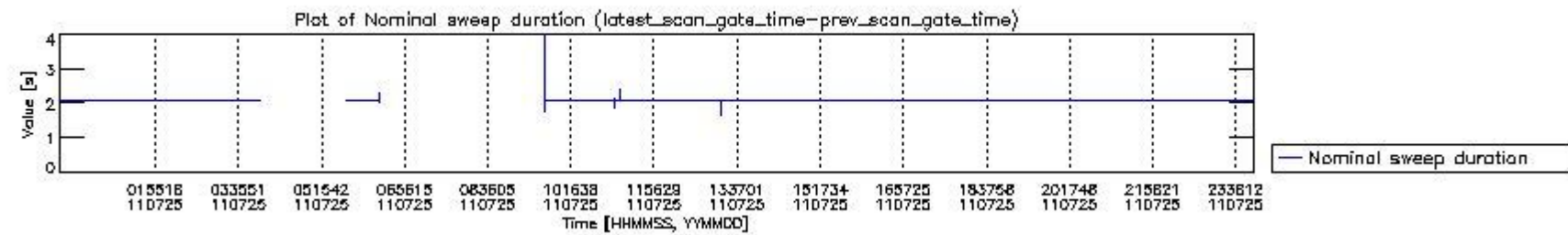
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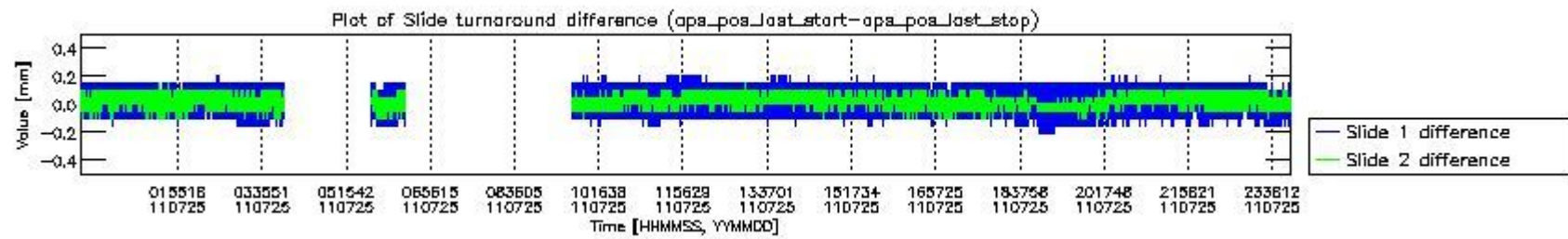
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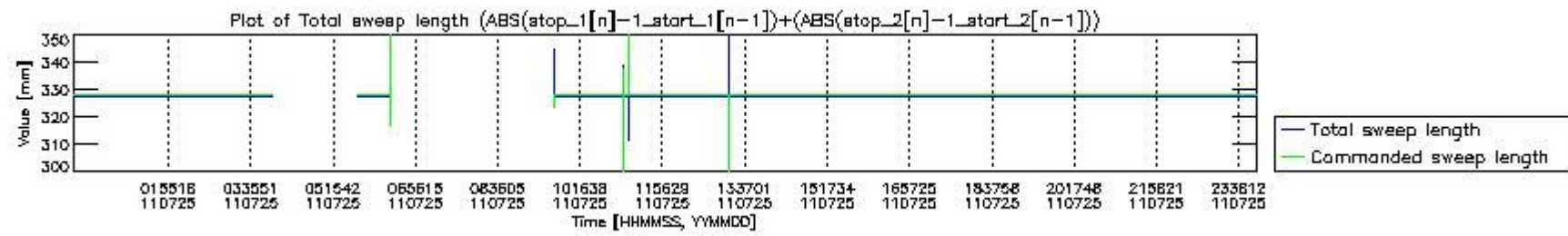
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110725\_3.PNG



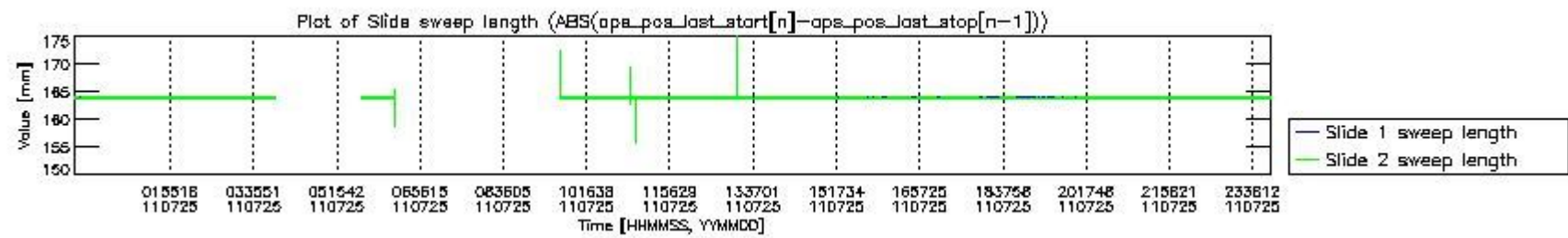
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110725\_4.PNG



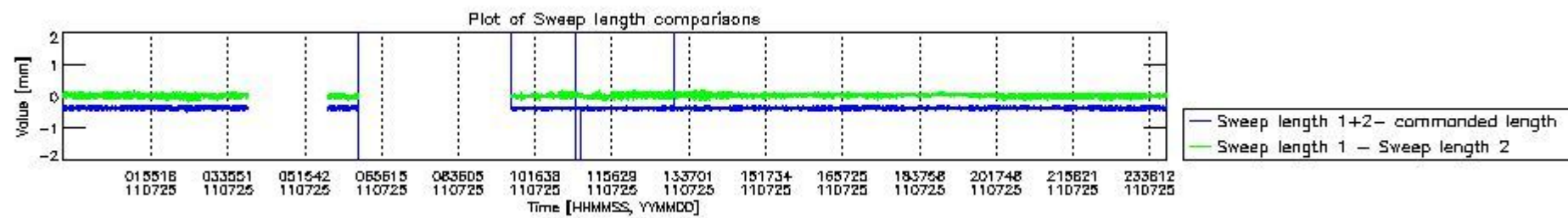
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110725\_5.PNG



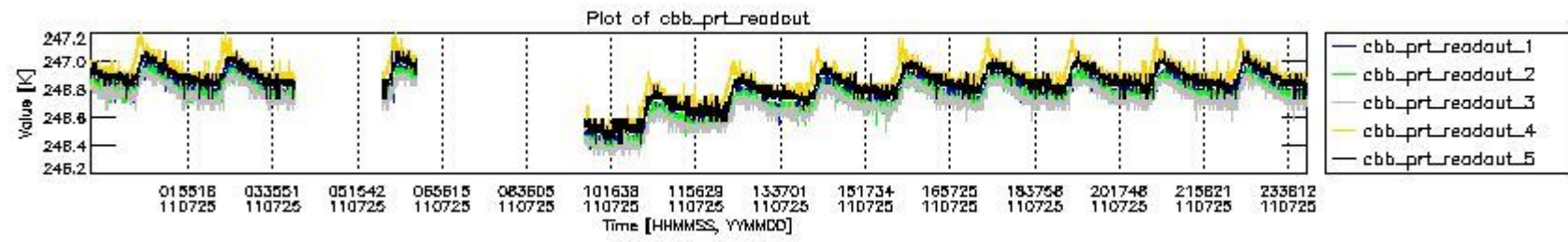
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110725\_6.PNG



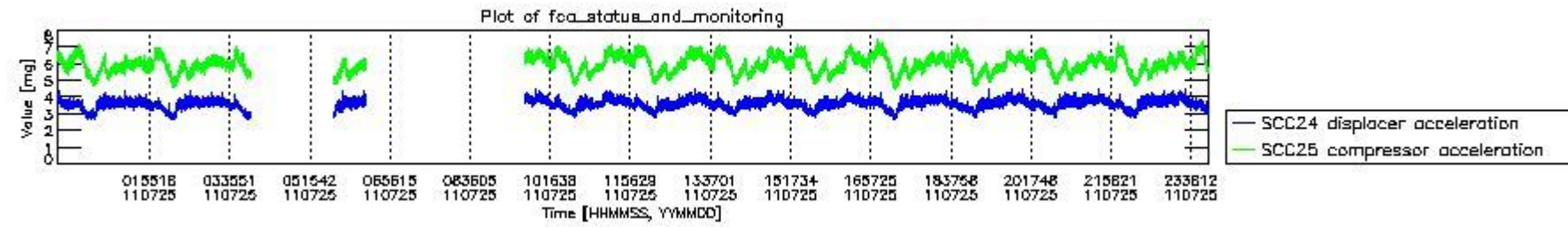
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110725\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110725\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110725\_9.PNG



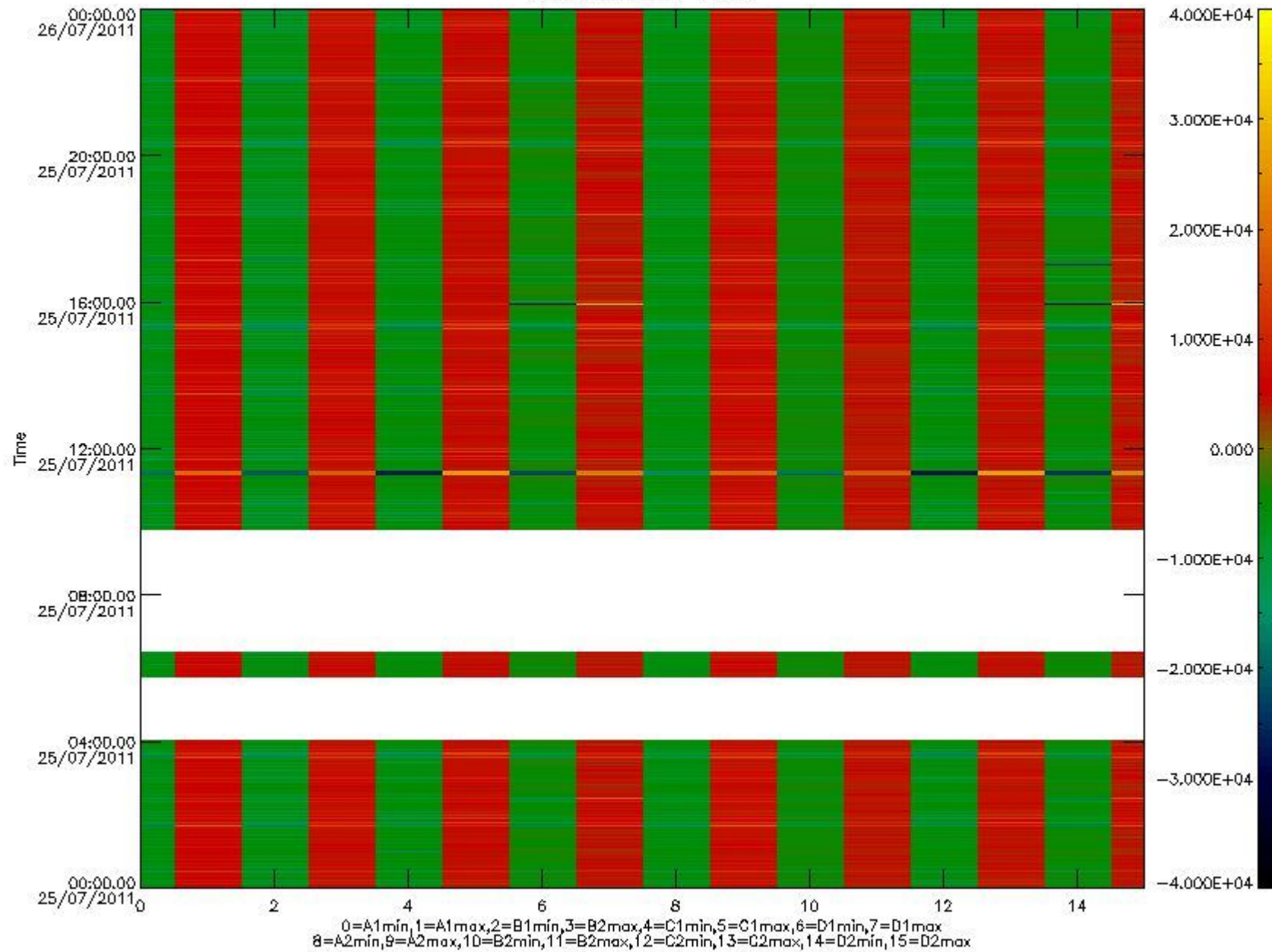
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110725\_10.PNG

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

Channel	Min	Max	ADC
A1	-32768	32767	16bit
B1	-32768	32767	16bit
C1	-26954	26947	16bit
D1	-32768	32767	16bit
A2	-32768	28274	16bit
B2	-32768	32767	16bit
C2	-28017	27776	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\_20110725\_11.PNG

### 0.3 ADF monitoring

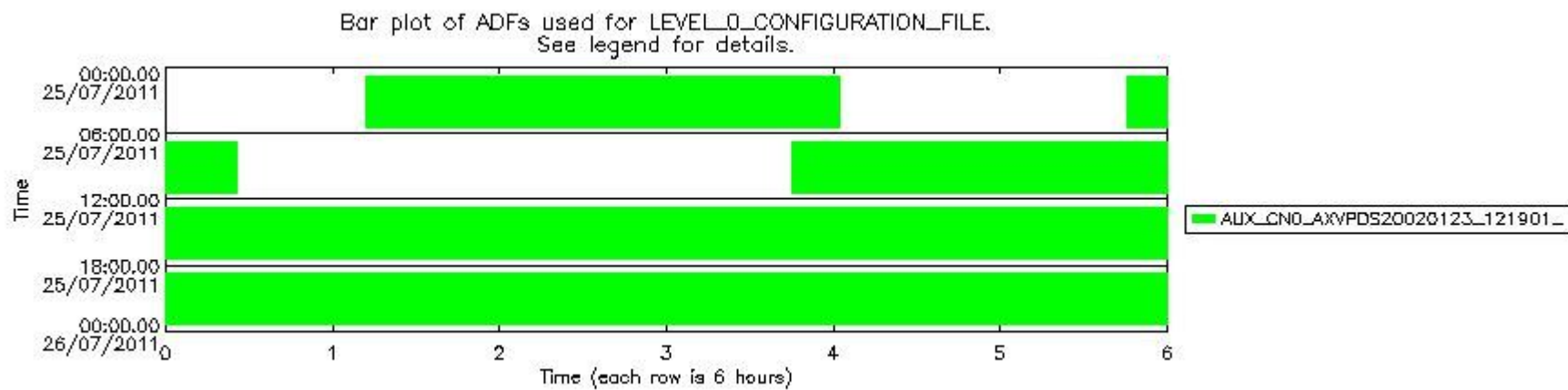
The use of ADFs is shown in two ways:

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.

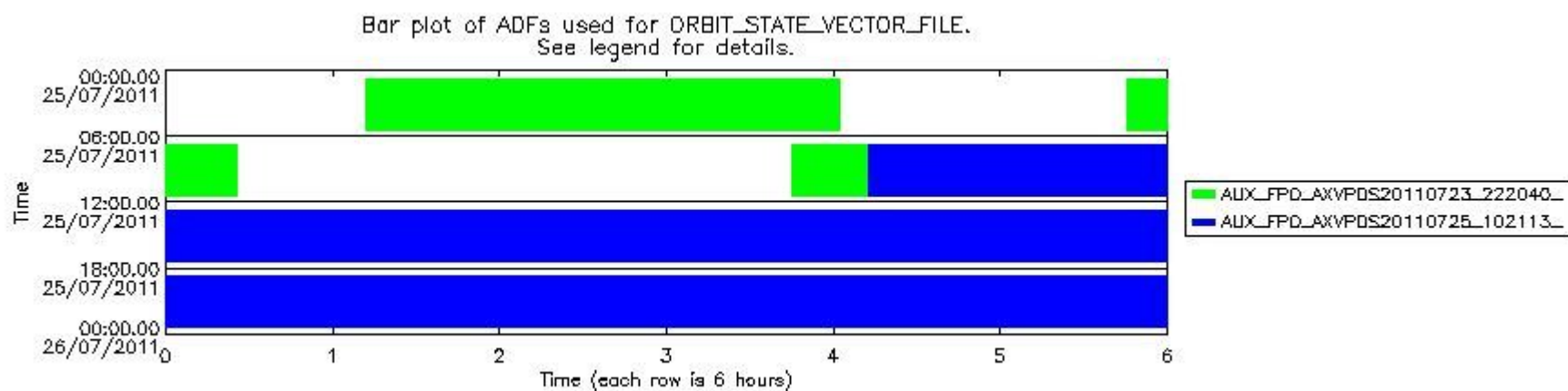
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110723_222040_20110723_191918_20110802_213305
2	AUX_FPO_AXVPDS20110725_102113_20110724_184233_20110803_205620

Number	Product name	#CN0	#FPO
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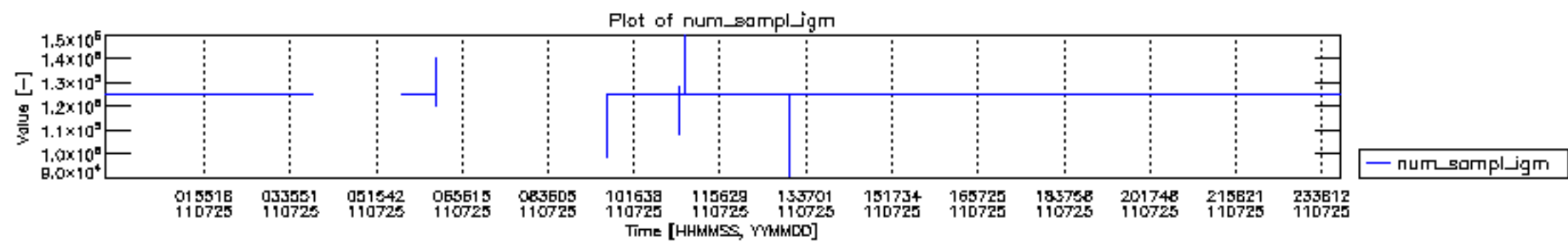
0	MIP_NL__0PNPDE20110725_011200_000102013105_00002_49154_9302.N1	0	1
1	MIP_NL__0PNPDE20110725_015430_000076503105_00003_49155_4141.N1	0	1
2	MIP_NL__0PNPDE20110725_054536_000024073105_00005_49157_9304.N1	0	1
3	MIP_NL__0PNPDK20110725_094452_000017273105_00008_49160_5863.N1	0	1
4	MIP_NL__0PNPDK20110725_101258_000059583105_00008_49160_5864.N1	0	2
5	MIP_NL__0PNPDK20110725_115132_000060413105_00009_49161_5865.N1	0	2
6	MIP_NL__0PNPDK20110725_133140_000058473105_00010_49162_5866.N1	0	2
7	MIP_NL__0PNPDK20110725_150825_000059523105_00011_49163_5867.N1	0	2
8	MIP_NL__0PNPDK20110725_164704_000057973105_00012_49164_5868.N1	0	2
9	MIP_NL__0PNPDK20110725_182244_000060063105_00013_49165_5869.N1	0	2
10	MIP_NL__0PNPDE20110725_200123_000041553105_00014_49166_9305.N1	0	2
11	MIP_NL__0PNPDE20110725_210854_000064303105_00014_49166_9306.N1	0	2
12	MIP_NL__0PNPDE20110725_225507_000060483105_00015_49167_9307.N1	0	2

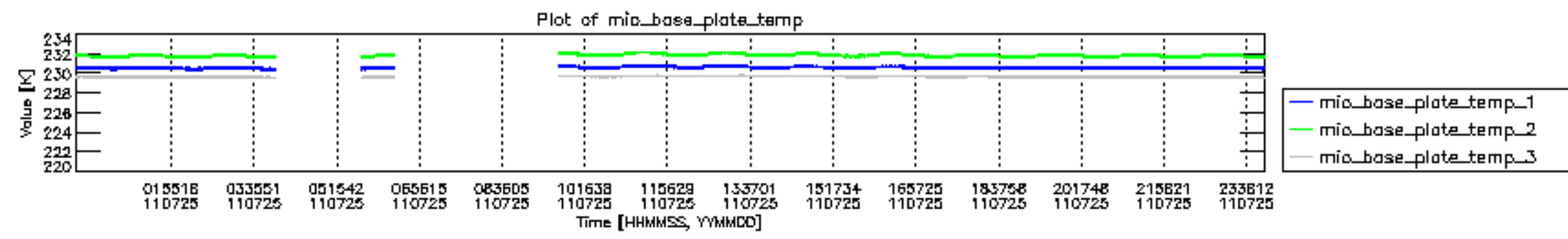


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110725\_12.PNG

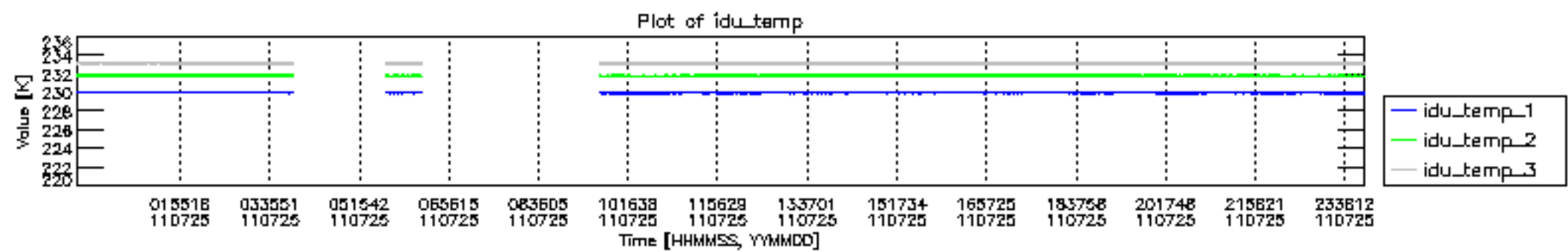


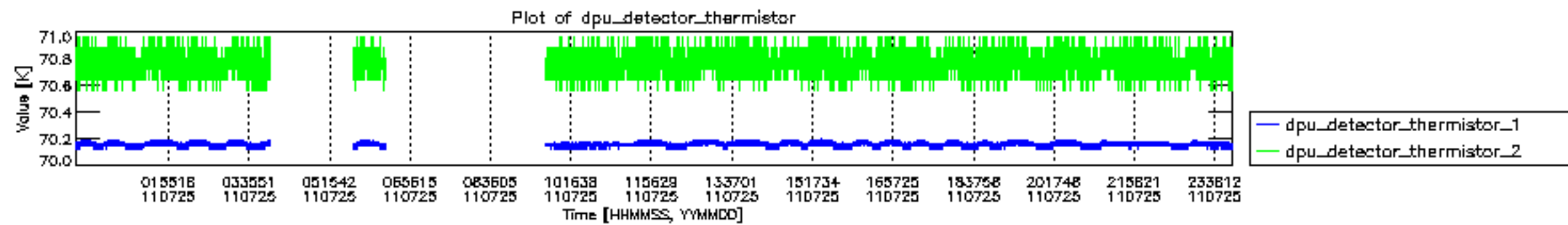
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110725\_13.PNG

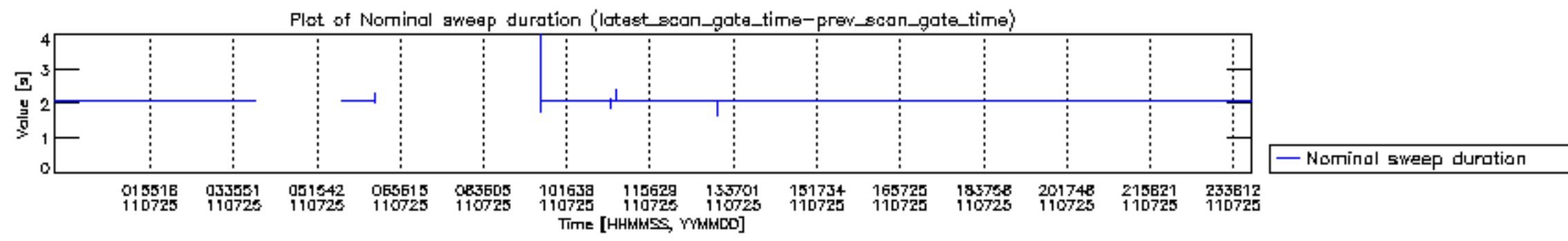


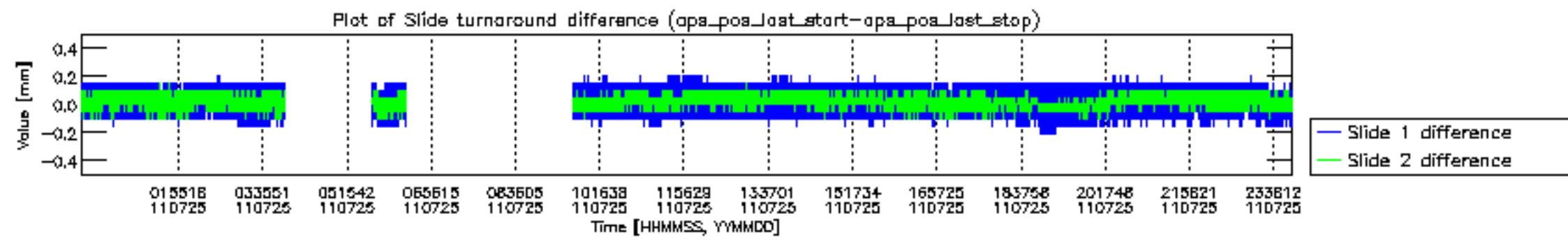


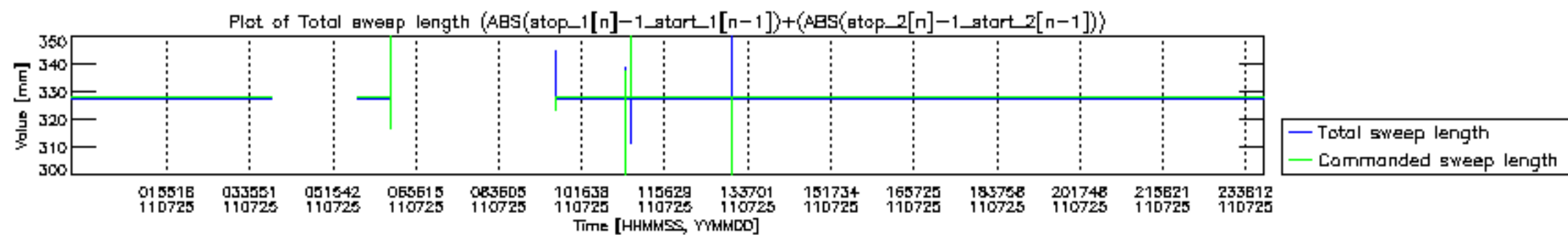




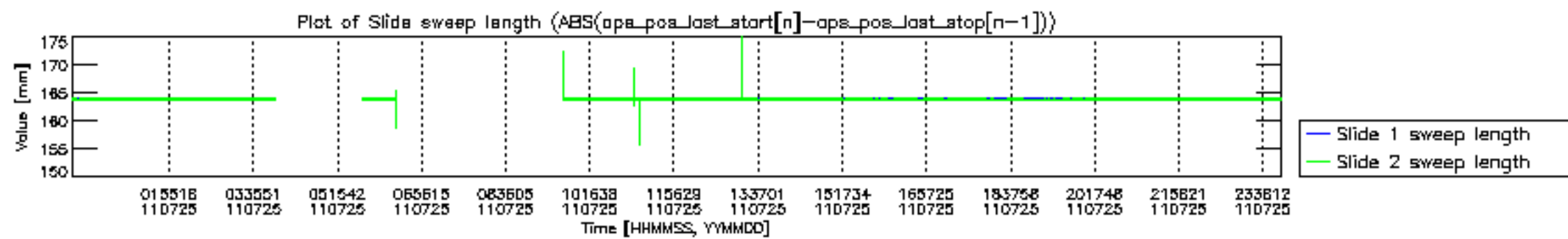


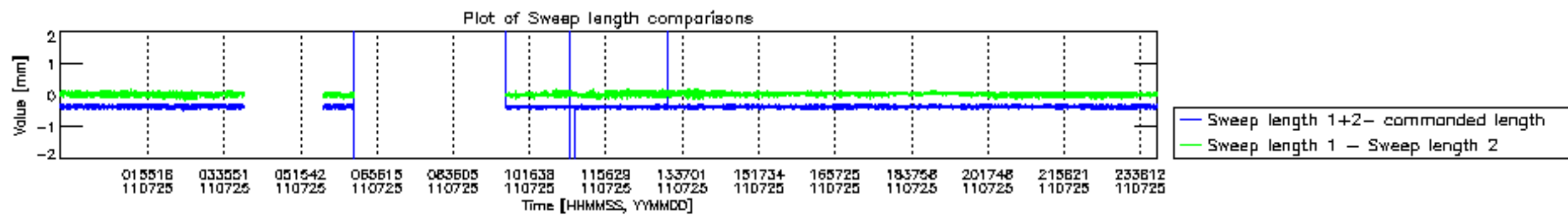


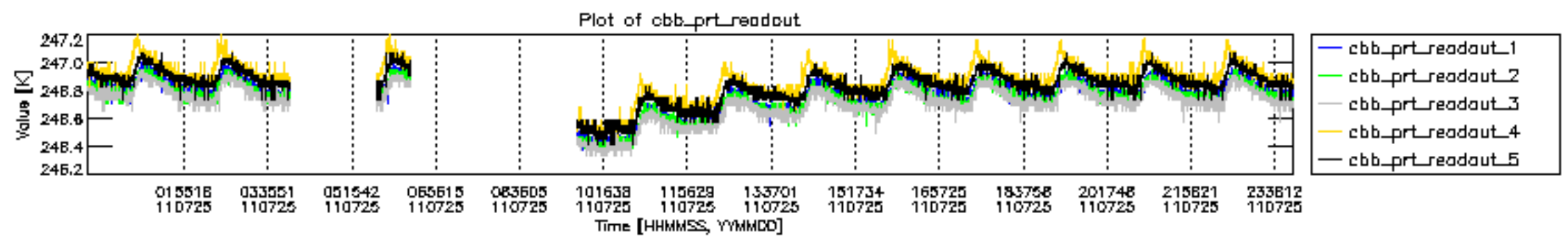


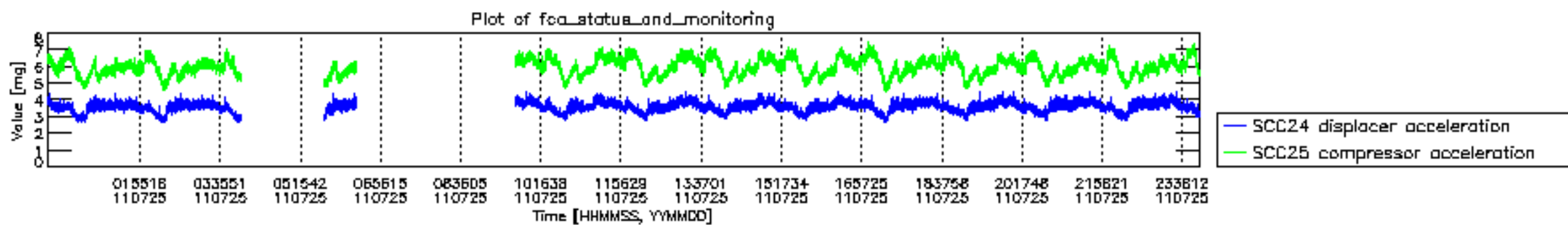












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

