

## 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	12APR2011 05:24:13
Data source version	KSPT_L0/4504-N
Processing scope for products	07APR2011 00:00:00 to 08APR2011 00:00:00
Start time of first product within scope	07APR2011 01:07:04
Stop time of last product within scope	08APR2011 00:31:41
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__0PNPDE20110407_010704_000006443101_00160_47588_3365.N1	07APR2011 01:07:04	07APR2011 01:17:48	0	0	0	0	0
1	MIP_NL__0PNPDE20110407_043437_000039493101_00162_47590_3366.N1	07APR2011 04:34:37	07APR2011 05:40:26	0	0	0	0	0
2	MIP_NL__0PNPDE20110407_053953_000060883101_00163_47591_3367.N1	07APR2011 05:39:53	07APR2011 07:21:21	0	0	0	0	0
3	MIP_NL__0PNPDK20110407_072048_000040483101_00164_47592_4757.N1	07APR2011 07:20:48	07APR2011 08:28:16	0	0	0	0	0
4	MIP_NL__0PNPDK20110407_082743_000061123101_00165_47593_4758.N1	07APR2011 08:27:43	07APR2011 10:09:35	0	0	0	0	0
5	MIP_NL__0PNPDK20110407_100851_000059603101_00166_47594_4759.N1	07APR2011 10:08:51	07APR2011 11:48:11	0	0	0	0	0
6	MIP_NL__0PNPDK20110407_114729_000059523101_00167_47595_4760.N1	07APR2011 11:47:29	07APR2011 13:26:41	0	0	0	0	0
7	MIP_NL__0PNPDK20110407_132607_000059203101_00168_47596_4761.N1	07APR2011 13:26:07	07APR2011 15:04:48	0	0	0	0	0
8	MIP_NL__0PNPDK20110407_150345_000058783101_00169_47597_4762.N1	07APR2011 15:03:45	07APR2011 16:41:43	0	0	0	0	0
9	MIP_NL__0PNPDK20110407_164047_000059123101_00170_47598_4763.N1	07APR2011 16:40:47	07APR2011 18:19:19	0	0	0	0	0
10	MIP_NL__0PNPDK20110407_181820_000060543101_00171_47599_4764.N1	07APR2011 18:18:20	07APR2011 19:59:14	0	0	0	0	0
11	MIP_NL__0PNPDE20110407_195740_000040483101_00172_47600_3368.N1	07APR2011 19:57:40	07APR2011 21:05:09	0	0	0	0	0
12	MIP_NL__0PNPDE20110407_210404_000064243101_00172_47600_3369.N1	07APR2011 21:04:04	07APR2011 22:51:08	0	0	0	0	0
13	MIP_NL__0PNPDE20110407_225003_000060983101_00173_47601_3370.N1	07APR2011 22:50:03	08APR2011 00:31:41	0	0	0	0	0

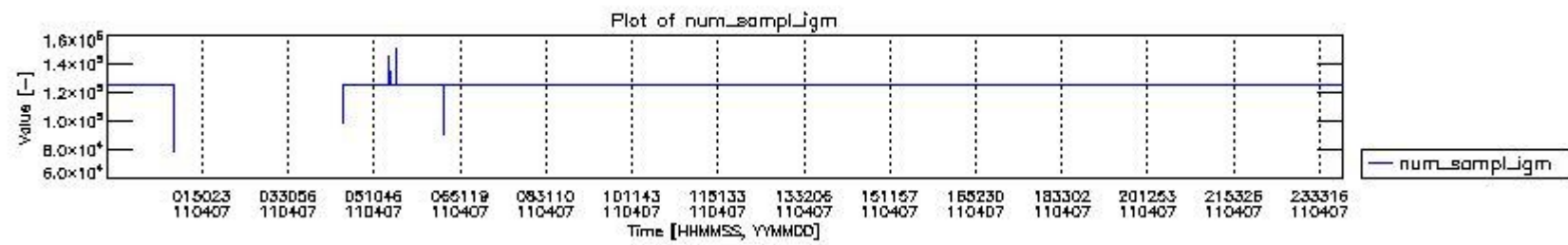
## 0.2 Instrument Operational Performance Parameters

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.

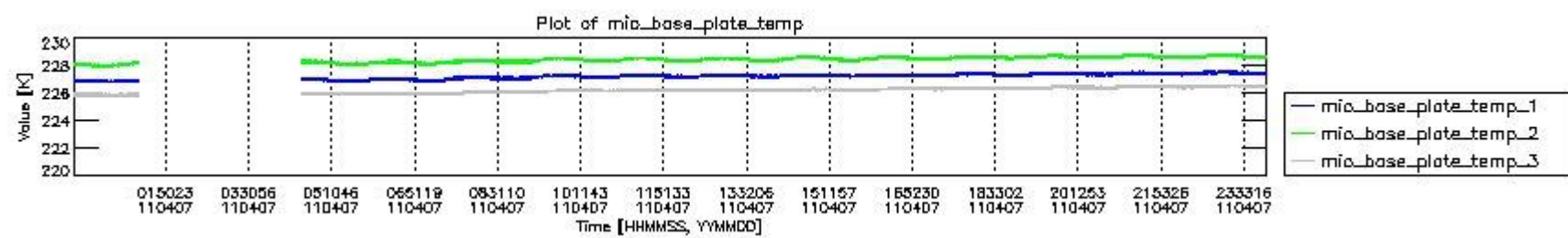
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
78432	1	0.0027777778
90028	1	0.0027777778
91550	1	0.0027777778
97348	1	0.0027777778

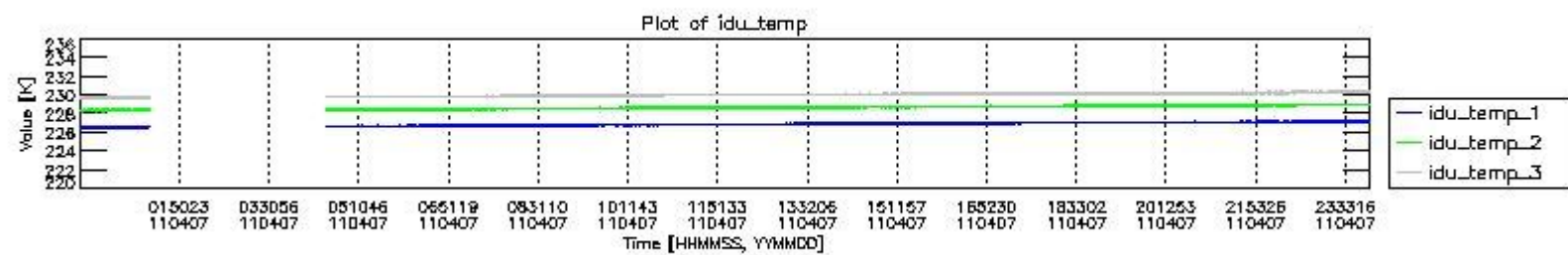
99070	1	0.0027777778
111682	1	0.0027777778
117480	1	0.0027777778
123844	1	0.0027777778
124322	1	0.0027777778
124800	33439	92.886111
124803	2546	7.0722222
124929	1	0.0027777778
127605	1	0.0027777778
145061	1	0.0027777778
145190	1	0.0027777778
147737	1	0.0027777778
150542	1	0.0027777778



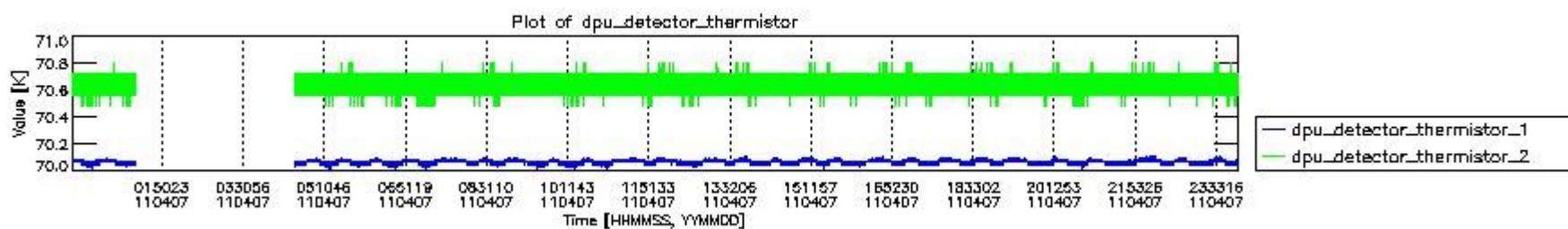
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110407\_0.PNG



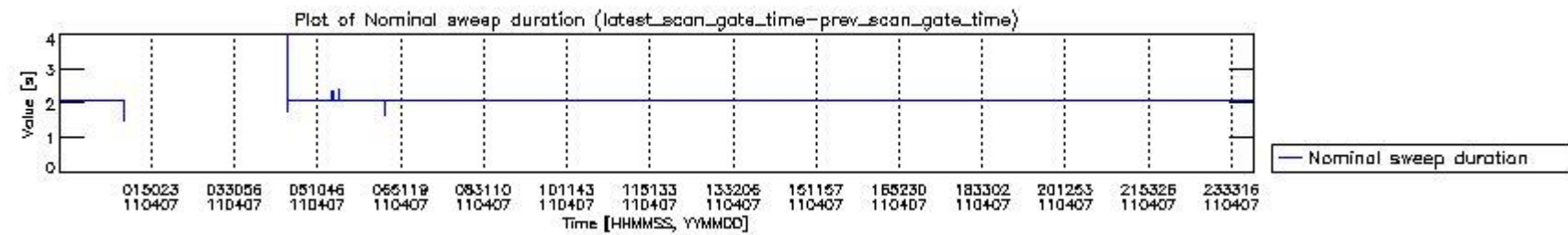
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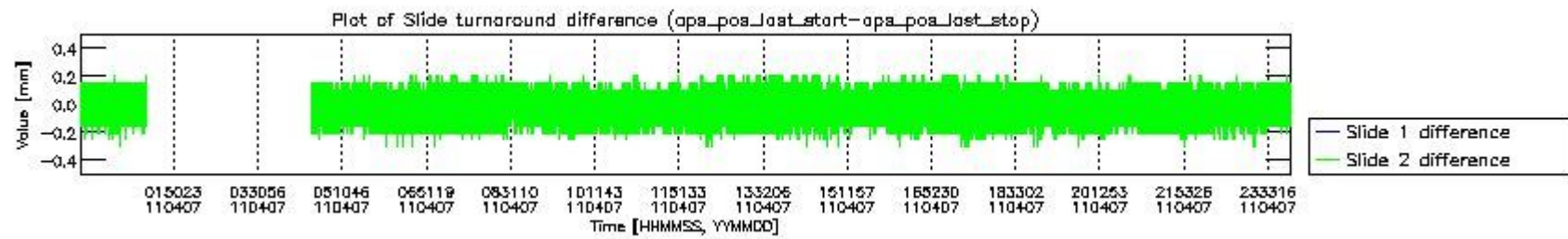
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110407\_2.PNG



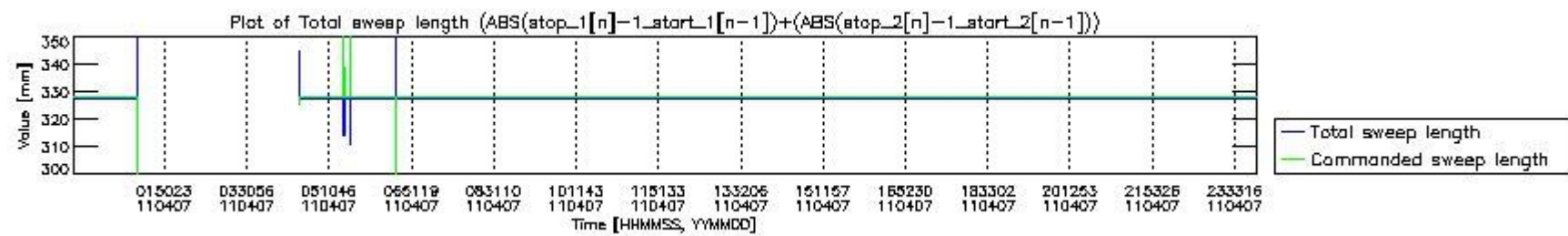
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110407\_3.PNG



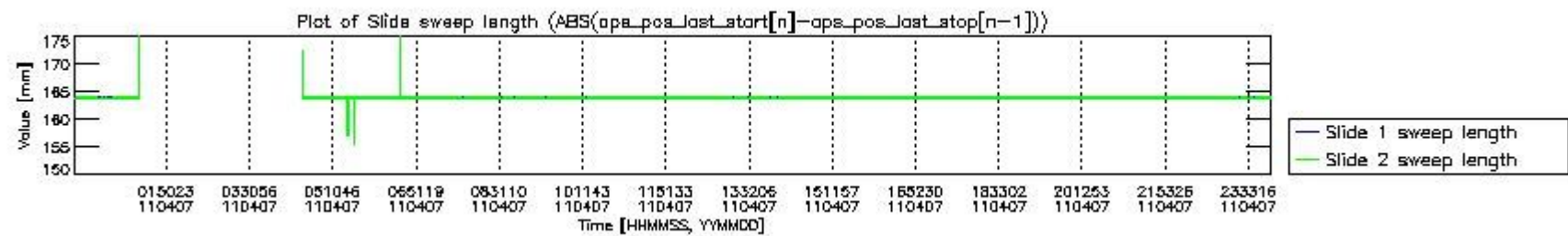
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110407\_4.PNG



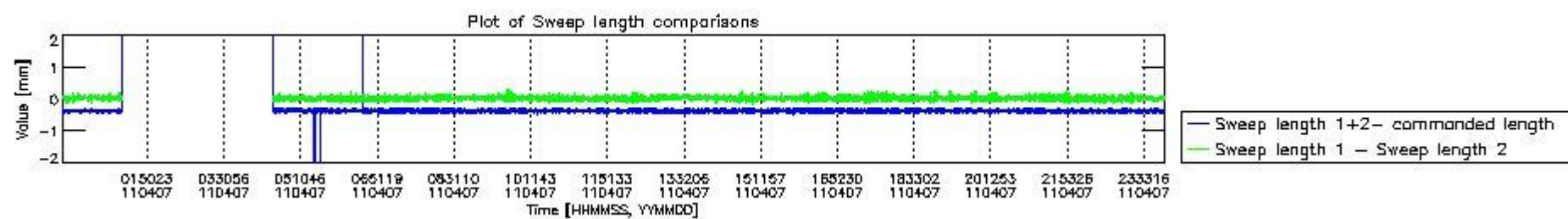
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110407\_5.PNG



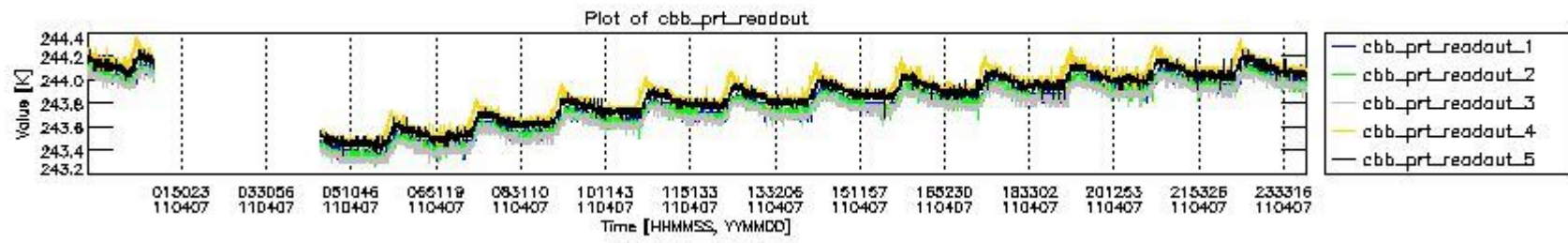
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110407\_6.PNG



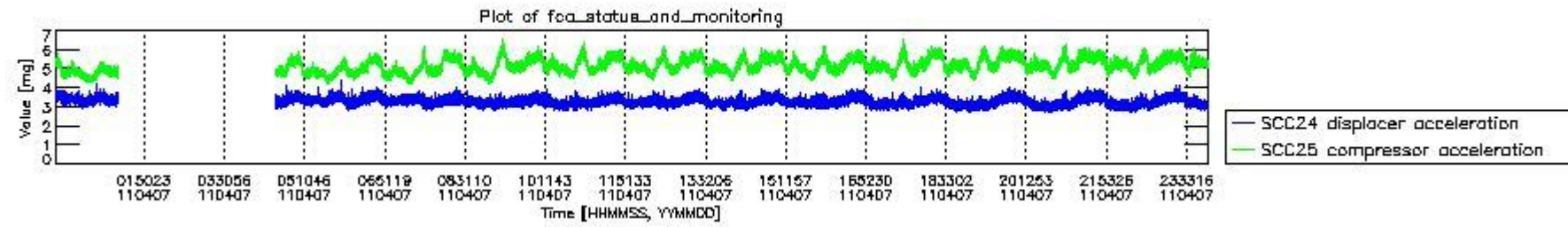
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110407\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110407\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110407\_9.PNG



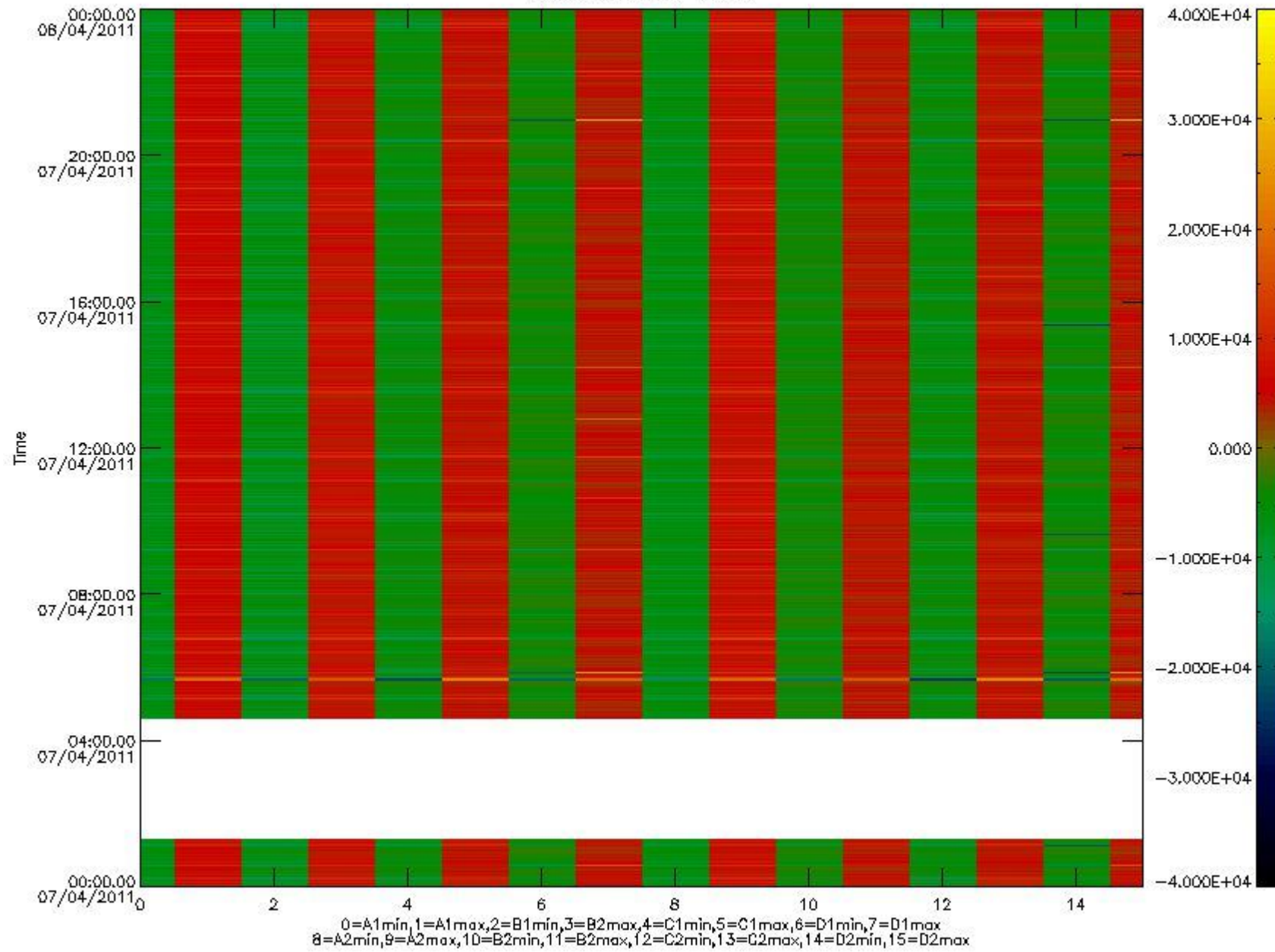
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110407\_10.PNG

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	-23490	23334	16bit
D1	-32768	32767	16bit
A2	-32768	29097	16bit
B2	-32768	32767	16bit
C2	-24455	24018	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\_20110407\_11.PNG

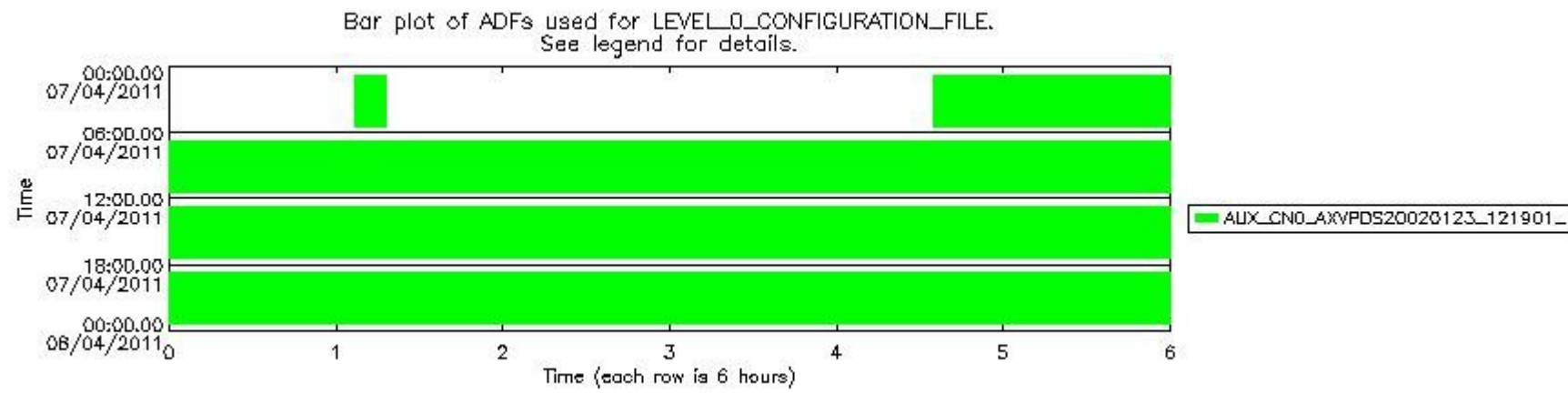
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

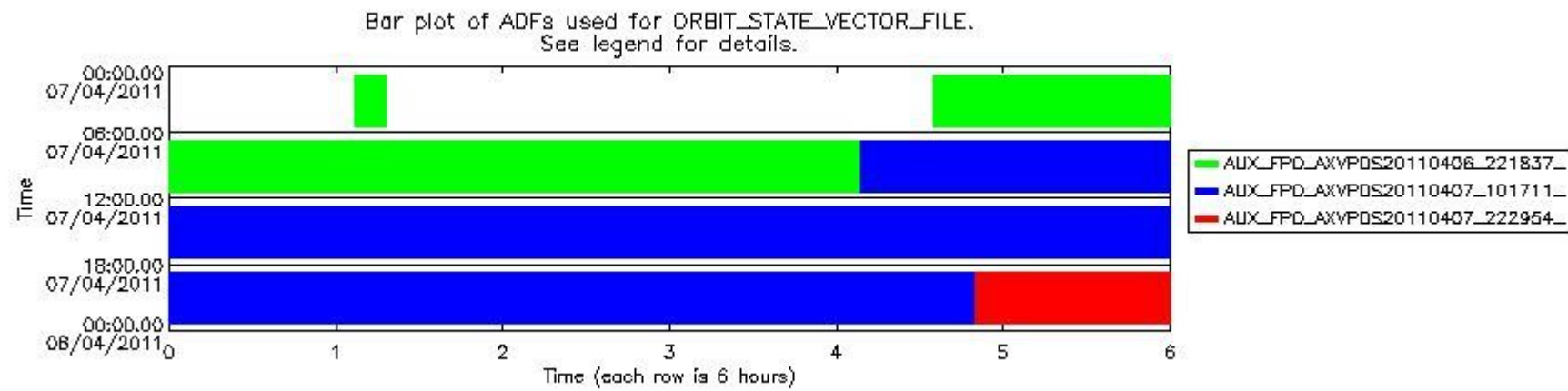
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110406_221837_20110405_191414_20110415_212803
2	AUX_FPO_AXVPDS20110407_101711_20110406_183730_20110416_205119
3	AUX_FPO_AXVPDS20110407_222954_20110407_111950_20110417_133339

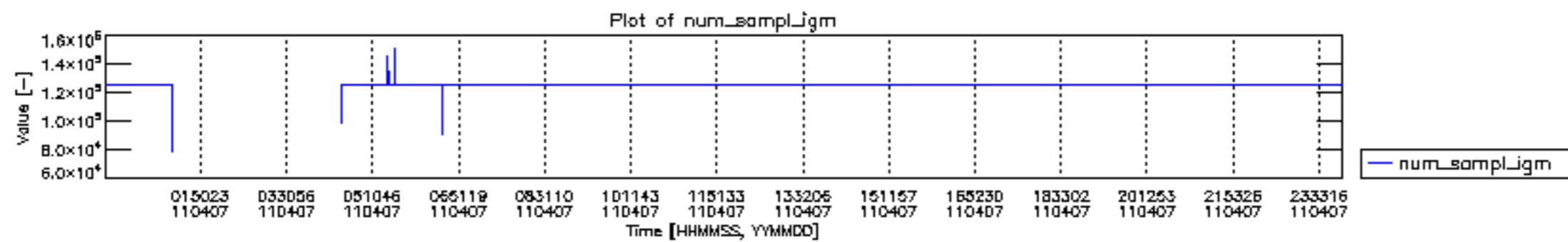
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110407_010704_00006443101_00160_47588_3365.N1	0	1
1	MIP_NL__0PNPDE20110407_043437_000039493101_00162_47590_3366.N1	0	1
2	MIP_NL__0PNPDE20110407_053953_000060883101_00163_47591_3367.N1	0	1
3	MIP_NL__0PNPDK20110407_072048_000040483101_00164_47592_4757.N1	0	1
4	MIP_NL__0PNPDK20110407_082743_000061123101_00165_47593_4758.N1	0	1
5	MIP_NL__0PNPDK20110407_100851_000059603101_00166_47594_4759.N1	0	2
6	MIP_NL__0PNPDK20110407_114729_000059523101_00167_47595_4760.N1	0	2
7	MIP_NL__0PNPDK20110407_132607_000059203101_00168_47596_4761.N1	0	2
8	MIP_NL__0PNPDK20110407_150345_000058783101_00169_47597_4762.N1	0	2
9	MIP_NL__0PNPDK20110407_164047_000059123101_00170_47598_4763.N1	0	2
10	MIP_NL__0PNPDK20110407_181820_000060543101_00171_47599_4764.N1	0	2
11	MIP_NL__0PNPDE20110407_195740_000040483101_00172_47600_3368.N1	0	2
12	MIP_NL__0PNPDE20110407_210404_000064243101_00172_47600_3369.N1	0	2
13	MIP_NL__0PNPDE20110407_225003_000060983101_00173_47601_3370.N1	0	3

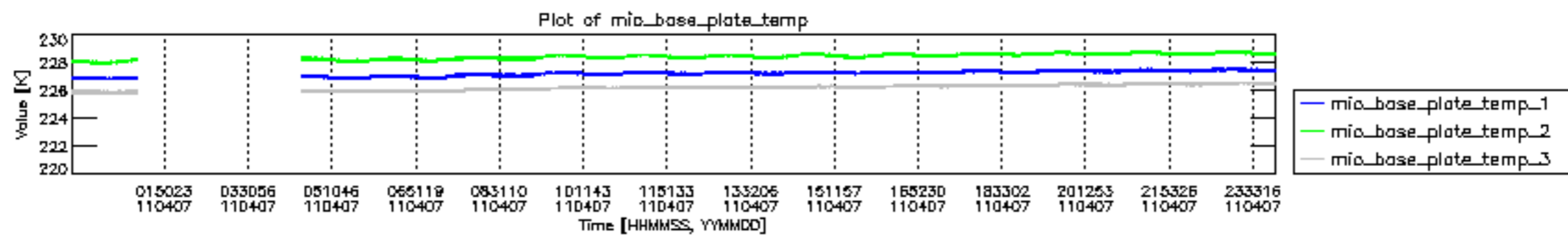


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110407\_12.PNG

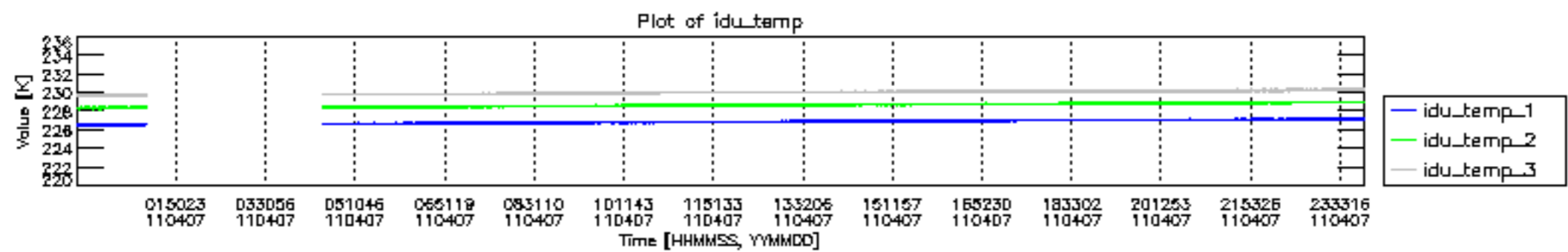


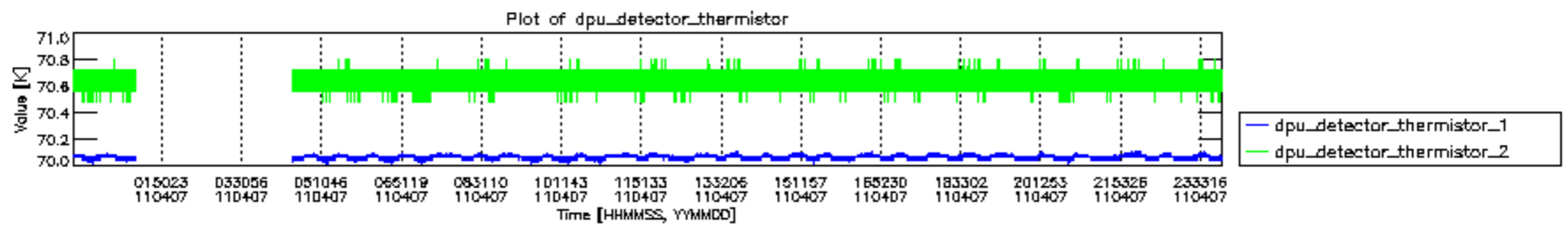
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110407\_13.PNG

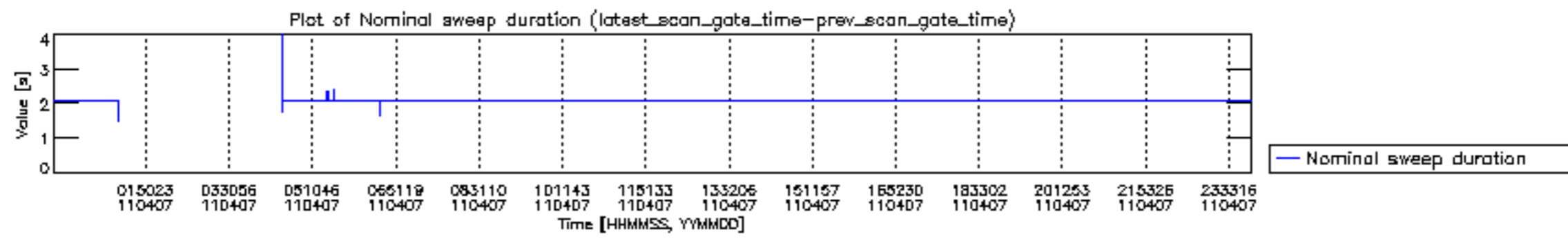


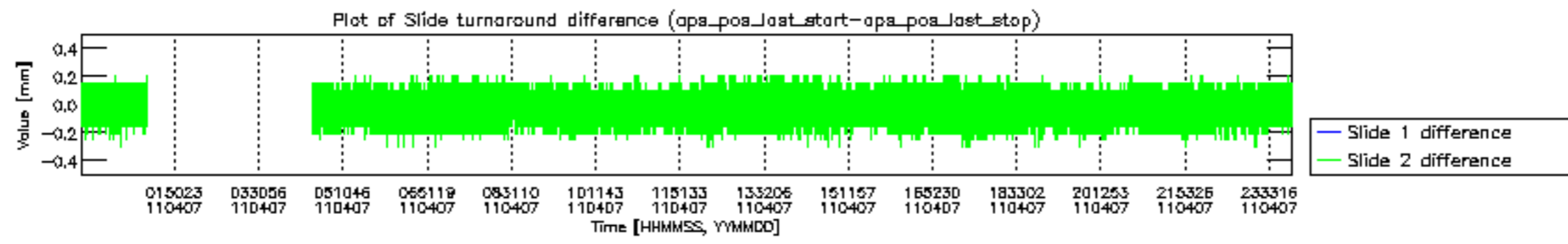


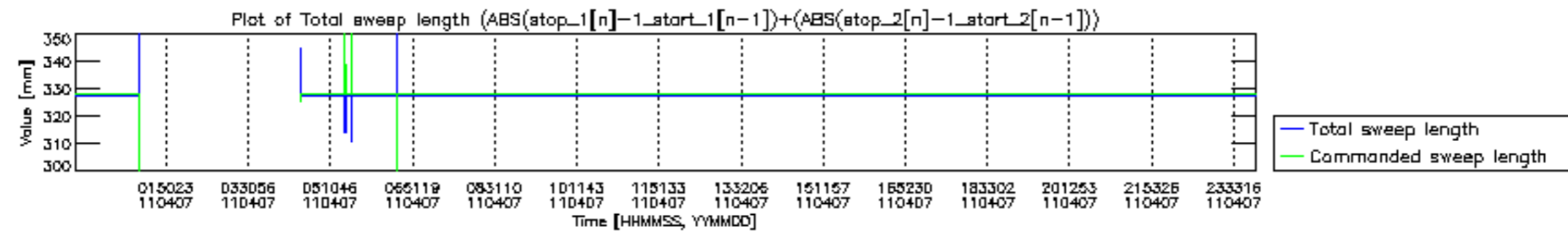




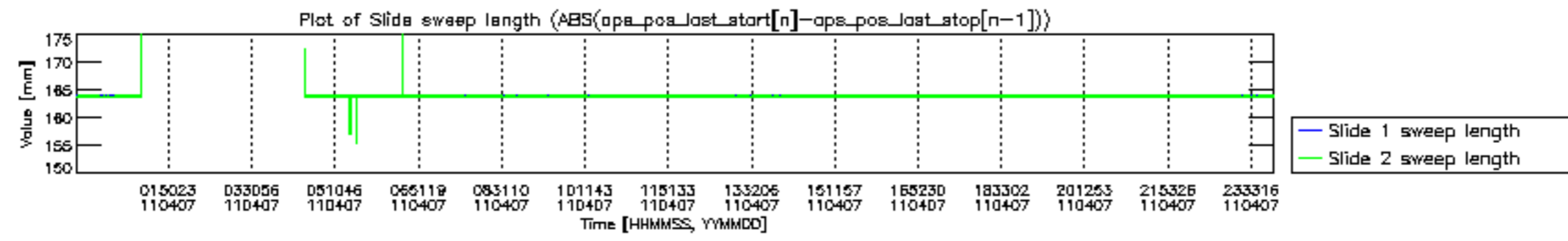


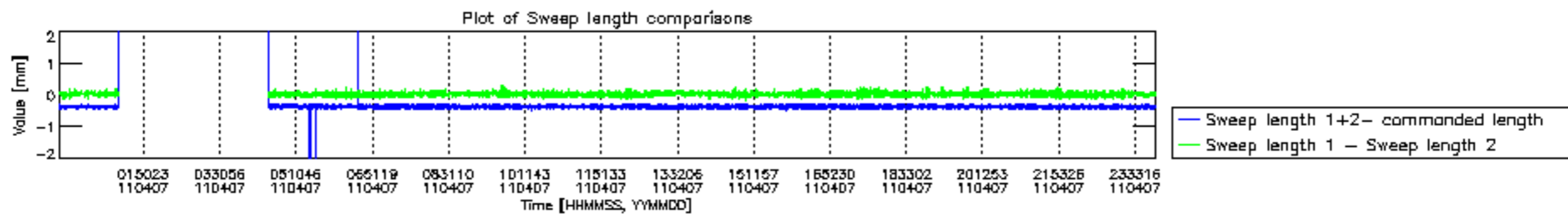


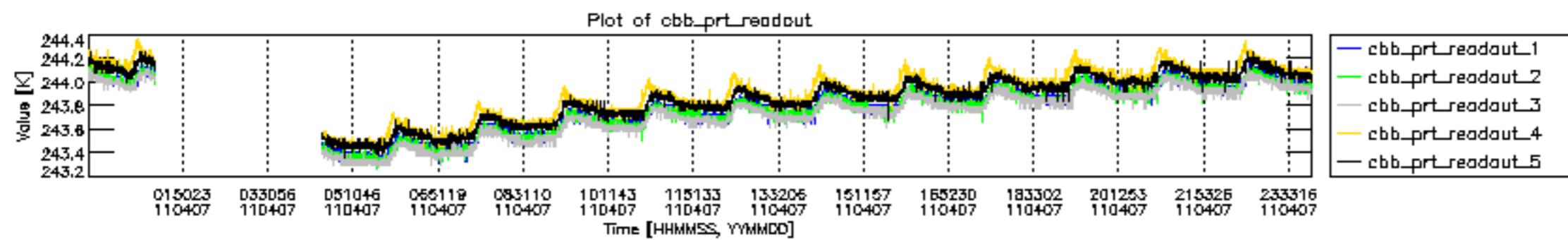


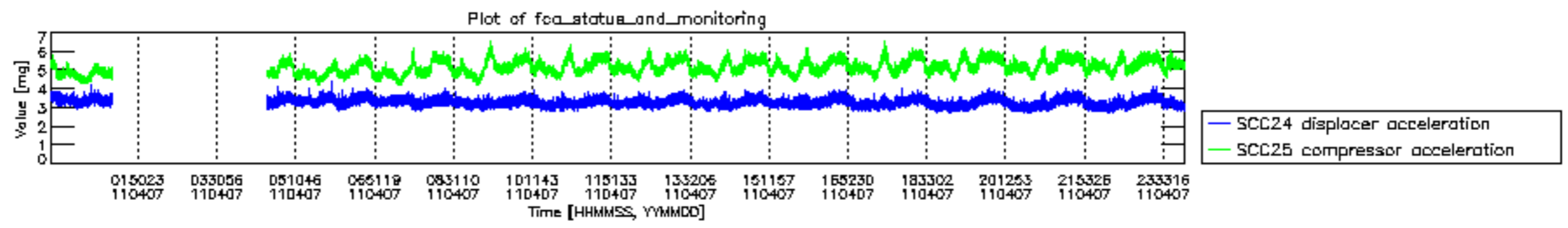












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

