

## 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	04OCT2011 05:27:14
Data source version	KSPT_L0/4504-N
Processing scope for products	29SEP2011 00:00:00 to 30SEP2011 00:00:00
Start time of first product within scope	29SEP2011 00:52:46
Stop time of last product within scope	30SEP2011 00:17:19
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__0PNPDE20110929_005246_000056763107_00088_50102_9733.N1	29SEP2011 00:52:46	29SEP2011 02:27:22	0	0	0	0	0
1	MIP_NL__0PNPDE20110929_022534_000047343107_00089_50103_9734.N1	29SEP2011 02:25:34	29SEP2011 03:44:27	0	0	0	0	0
2	MIP_NL__0PNPDE20110929_052557_000060483107_00091_50105_9736.N1	29SEP2011 05:25:57	29SEP2011 07:06:45	0	0	0	0	0
3	MIP_NL__0PNPDK20110929_070611_000040533107_00092_50106_7161.N1	29SEP2011 07:06:11	29SEP2011 08:13:44	0	0	0	0	0
4	MIP_NL__0PNPDK20110929_081311_000060933107_00093_50107_7162.N1	29SEP2011 08:13:11	29SEP2011 09:54:44	0	0	0	0	0
5	MIP_NL__0PNPDK20110929_095406_000059623107_00094_50108_7163.N1	29SEP2011 09:54:06	29SEP2011 11:33:28	0	0	0	0	0
6	MIP_NL__0PNPDK20110929_113211_000060043107_00095_50109_7164.N1	29SEP2011 11:32:11	29SEP2011 13:12:15	0	0	0	0	0
7	MIP_NL__0PNPDK20110929_144640_000059703107_00097_50111_7165.N1	29SEP2011 14:46:40	29SEP2011 16:26:11	0	0	0	0	0
8	MIP_NL__0PNPDK20110929_162514_000060523107_00098_50112_7166.N1	29SEP2011 16:25:14	29SEP2011 18:06:06	0	0	0	0	0
9	MIP_NL__0PNPDK20110929_180510_000059703107_00099_50113_7167.N1	29SEP2011 18:05:10	29SEP2011 19:44:40	0	0	0	0	0
10	MIP_NL__0PNPDE20110929_194323_000041093107_00100_50114_9737.N1	29SEP2011 19:43:23	29SEP2011 20:51:52	0	0	0	0	0
11	MIP_NL__0PNPDE20110929_205012_000064223107_00100_50114_9738.N1	29SEP2011 20:50:12	29SEP2011 22:37:14	0	0	0	0	0
12	MIP_NL__0PNPDE20110929_223617_000060623107_00101_50115_9739.N1	29SEP2011 22:36:17	30SEP2011 00:17:19	0	0	0	0	0

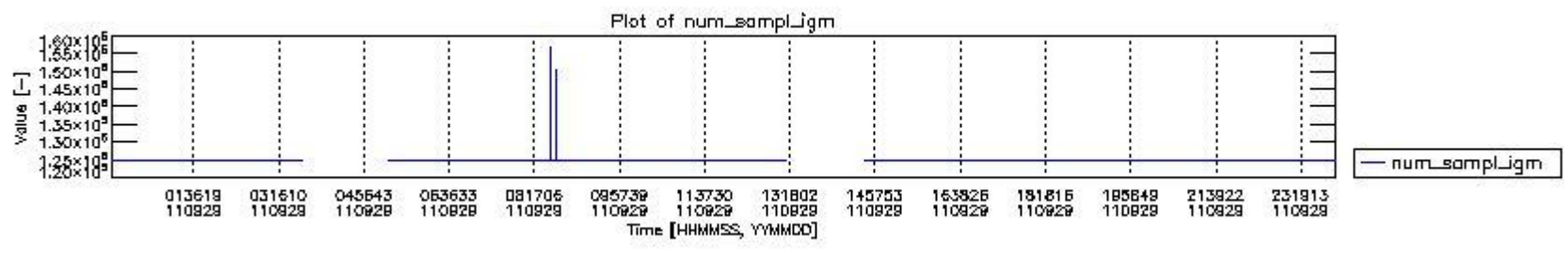
## 0.2 Instrument Operational Performance Parameters

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.

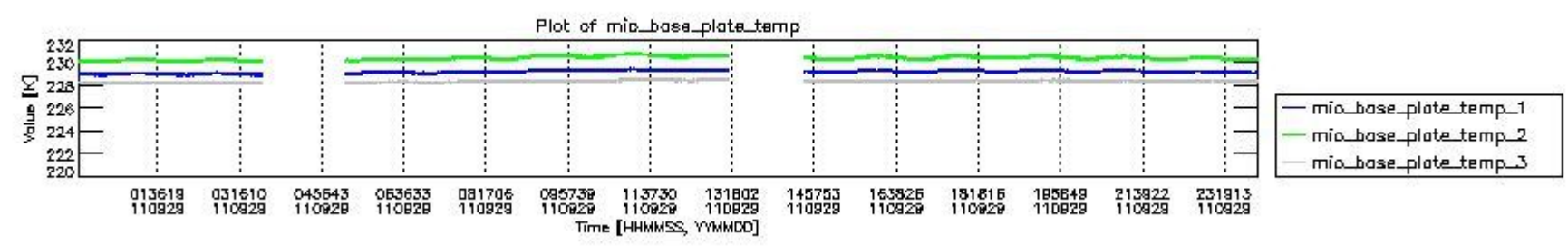
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	33399	92.901449
124803	2546	7.0818614
127456	1	0.0027815638
130653	1	0.0027815638
147588	1	0.0027815638

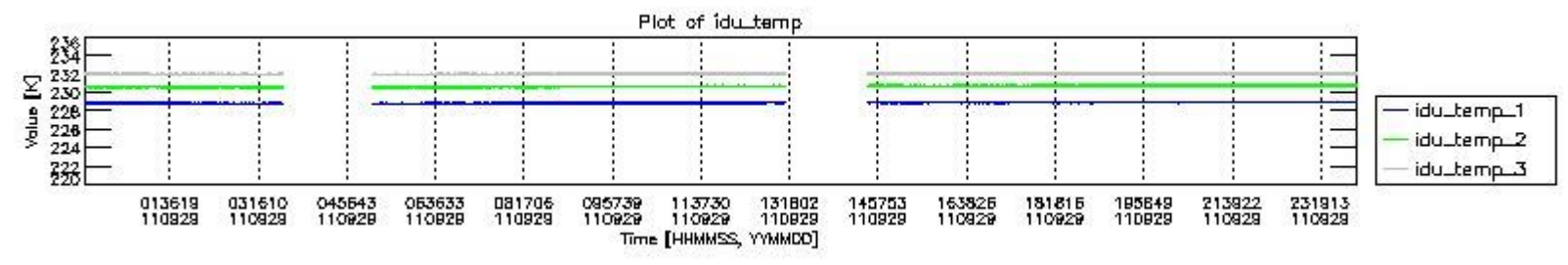
150244	1	0.0027815638
150785	1	0.0027815638
156638	1	0.0027815638



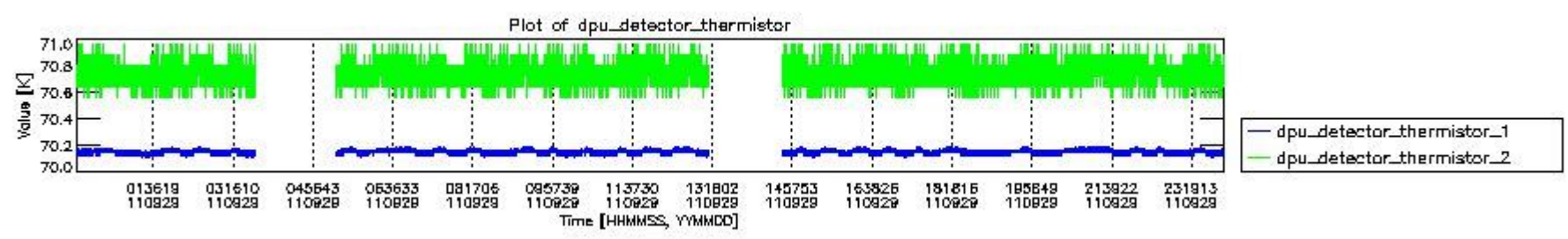
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110929\_0.PNG



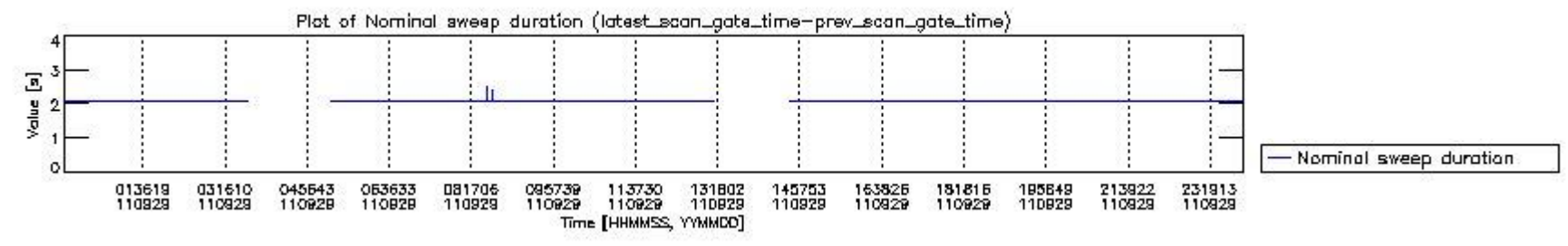
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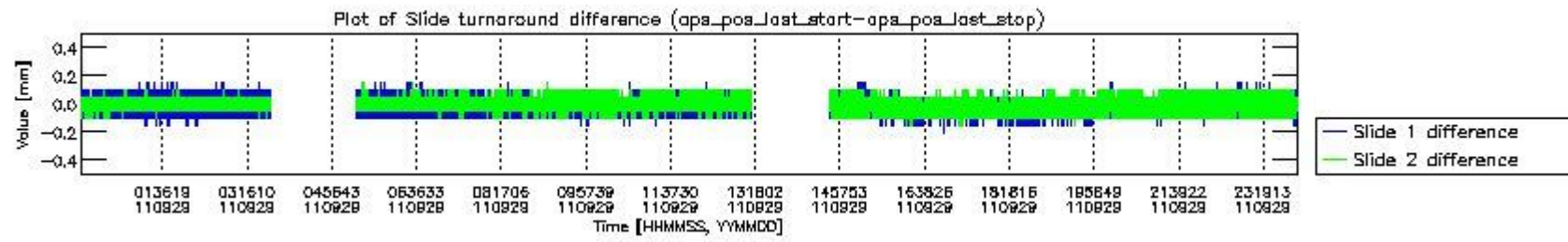
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110929\_2.PNG



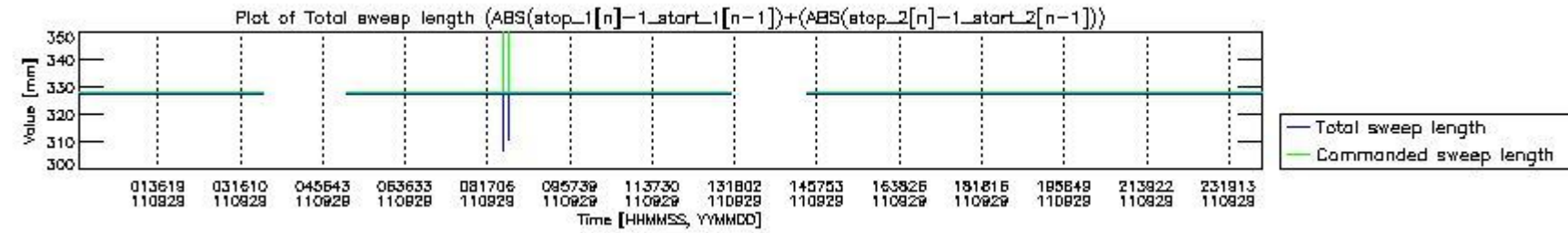
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110929\_3.PNG



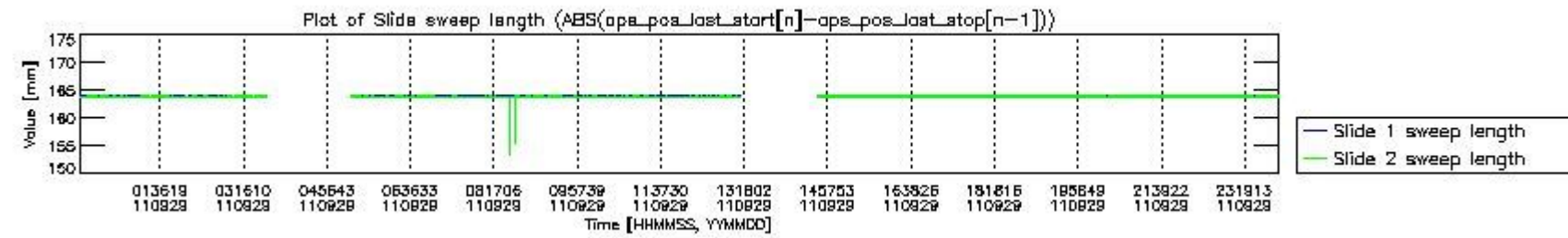
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110929\_4.PNG



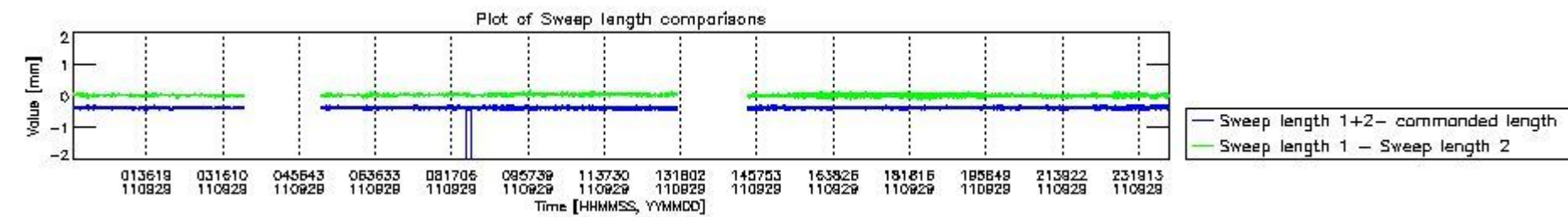
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110929\_5.PNG



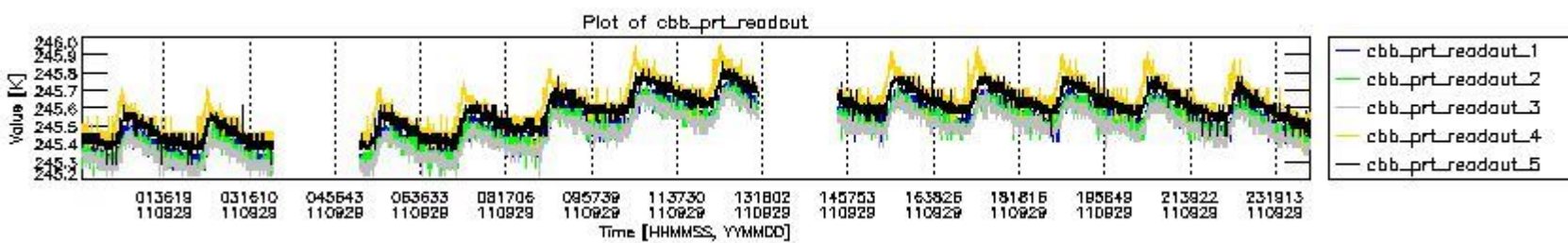
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110929\_6.PNG



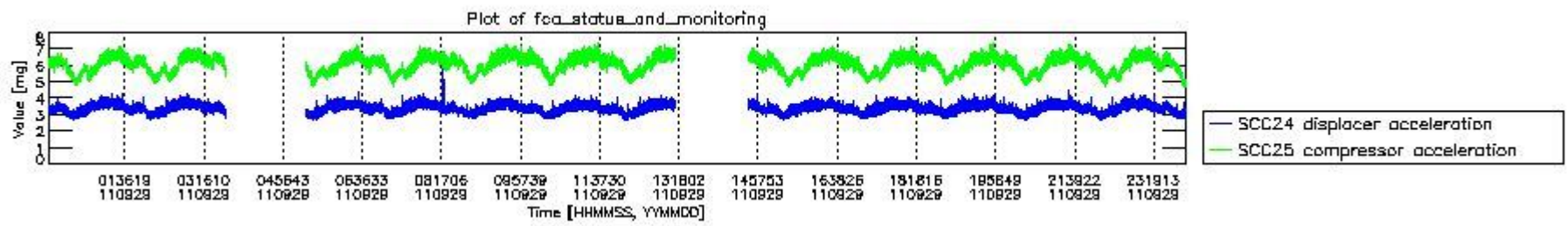
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110929\_7.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110929\_8.PNG



mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110929\_9.PNG

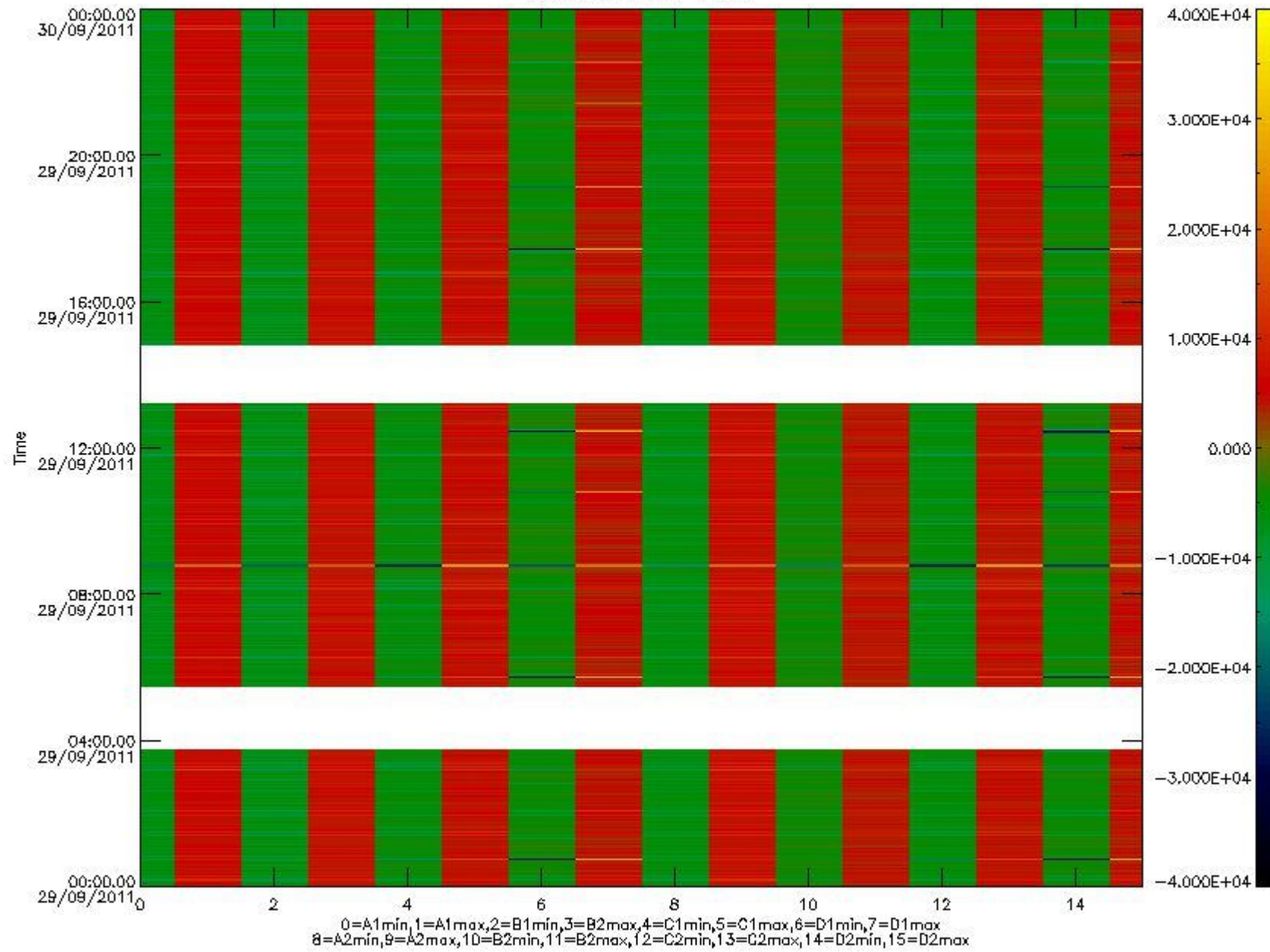


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110929\_10.PNG

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

Channel	Min	Max	ADC
A1	-18169	19280	16bit
B1	-20600	17711	16bit
C1	-25476	25374	16bit
D1	-32768	32767	16bit
A2	-15794	19531	16bit
B2	-18596	18273	16bit
C2	-26527	26130	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\_20110929\_11.PNG

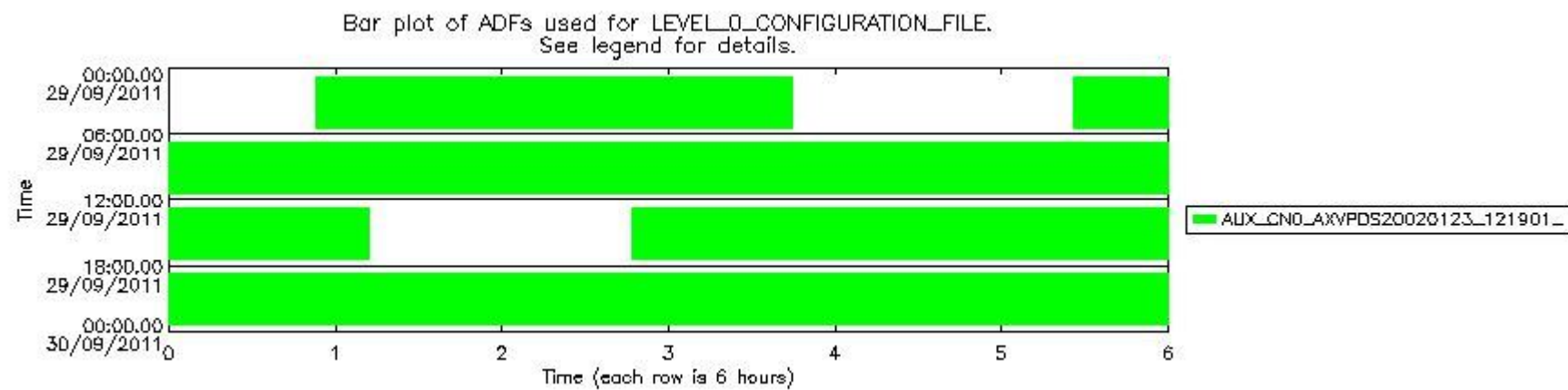
### 0.3 ADF monitoring

The use of ADFs is shown in two ways:

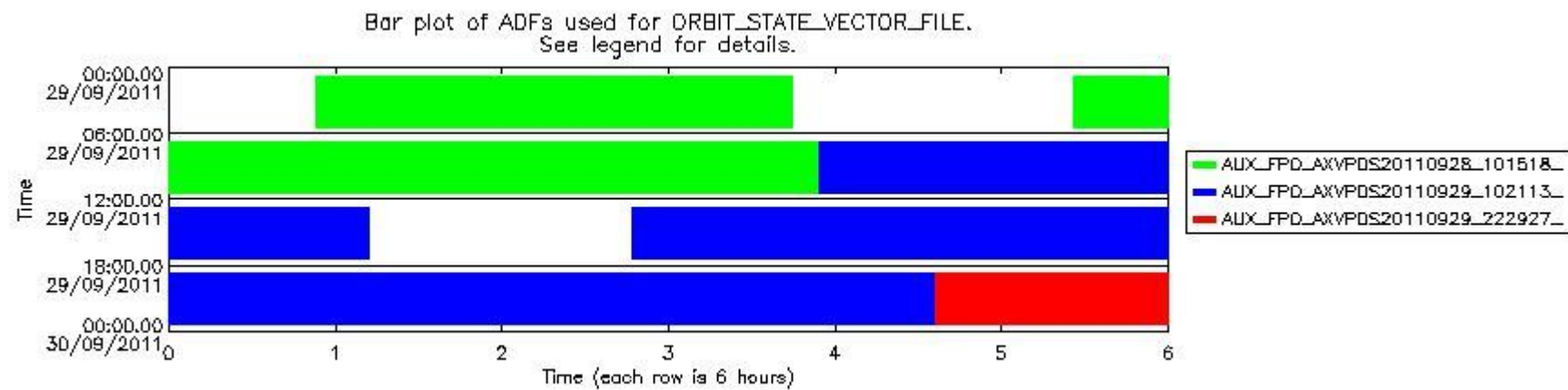
1. By means of two tables that can be used to find the ADF used for a specific product.
2. By means of plots that show changes in ADF using colours.

Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110928_101518_20110927_190002_20111007_211346
2	AUX_FPO_AXVPDS20110929_102113_20110928_182318_20111008_203702
3	AUX_FPO_AXVPDS20110929_222927_20110929_092523_20111009_095854

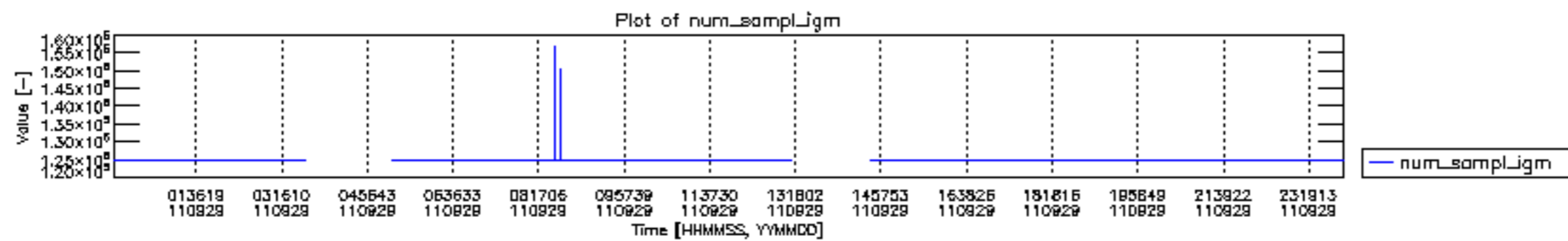
Number	Product name	#CNO	#FPO
0	MIP_NL__0PNPDE20110929_005246_000056763107_00088_50102_9733.N1	0	1
1	MIP_NL__0PNPDE20110929_022534_000047343107_00089_50103_9734.N1	0	1
2	MIP_NL__0PNPDE20110929_052557_000060483107_00091_50105_9736.N1	0	1
3	MIP_NL__0PNPDK20110929_070611_000040533107_00092_50106_7161.N1	0	1
4	MIP_NL__0PNPDK20110929_081311_000060933107_00093_50107_7162.N1	0	1
5	MIP_NL__0PNPDK20110929_095406_000059623107_00094_50108_7163.N1	0	2
6	MIP_NL__0PNPDK20110929_113211_000060043107_00095_50109_7164.N1	0	2
7	MIP_NL__0PNPDK20110929_144640_000059703107_00097_50111_7165.N1	0	2
8	MIP_NL__0PNPDK20110929_162514_000060523107_00098_50112_7166.N1	0	2
9	MIP_NL__0PNPDK20110929_180510_000059703107_00099_50113_7167.N1	0	2
10	MIP_NL__0PNPDE20110929_194323_000041093107_00100_50114_9737.N1	0	2
11	MIP_NL__0PNPDE20110929_205012_000064223107_00100_50114_9738.N1	0	2
12	MIP_NL__0PNPDE20110929_223617_000060623107_00101_50115_9739.N1	0	3

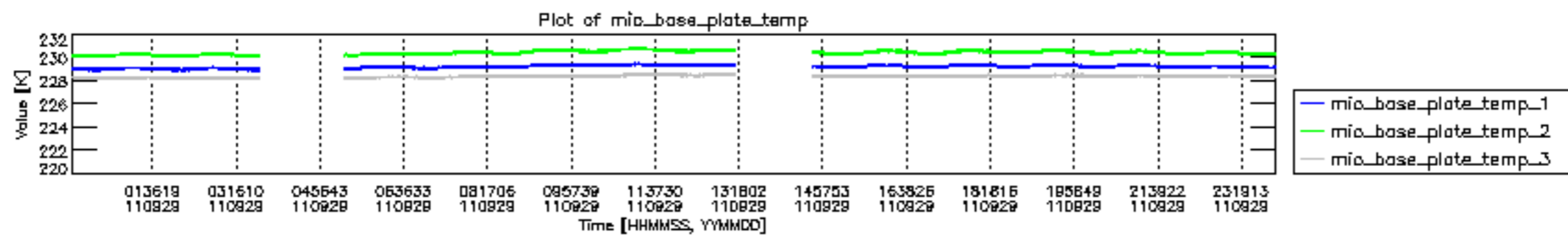


mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110929\_12.PNG

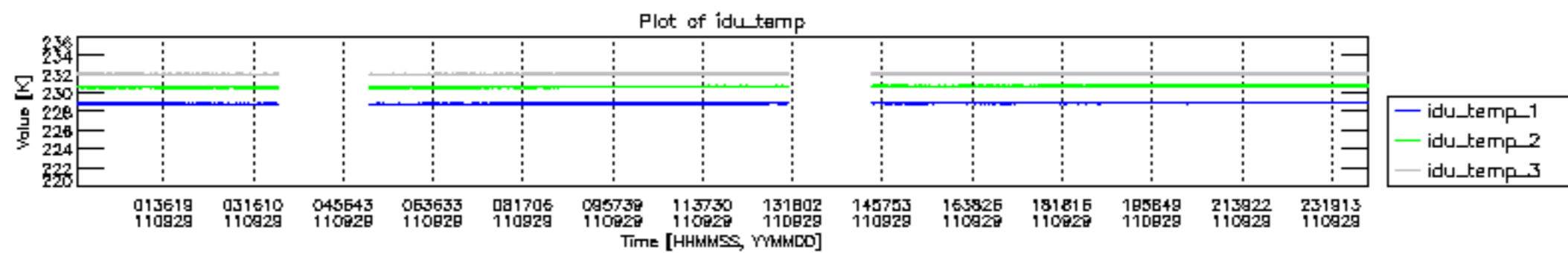


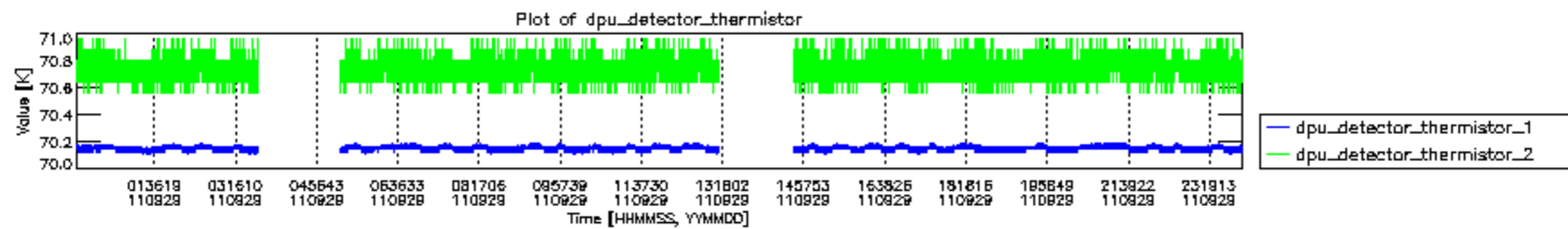
mipas\_daily\_report\_level0\_KSPT\_L0\_4504\_N\_20110929\_13.PNG

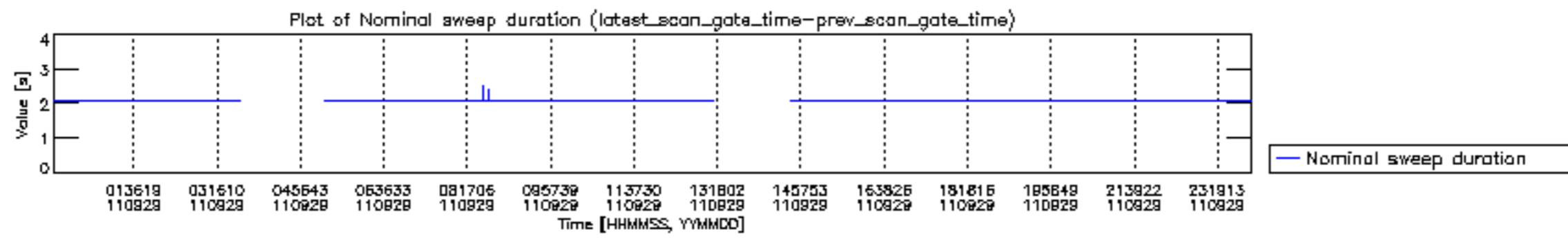


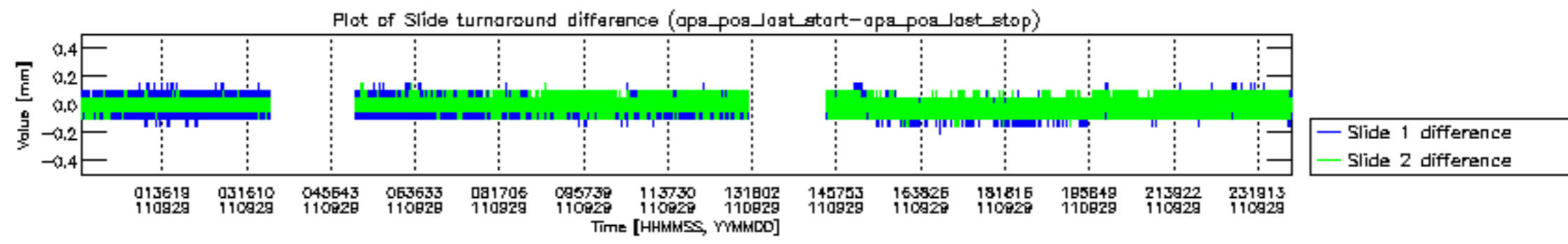


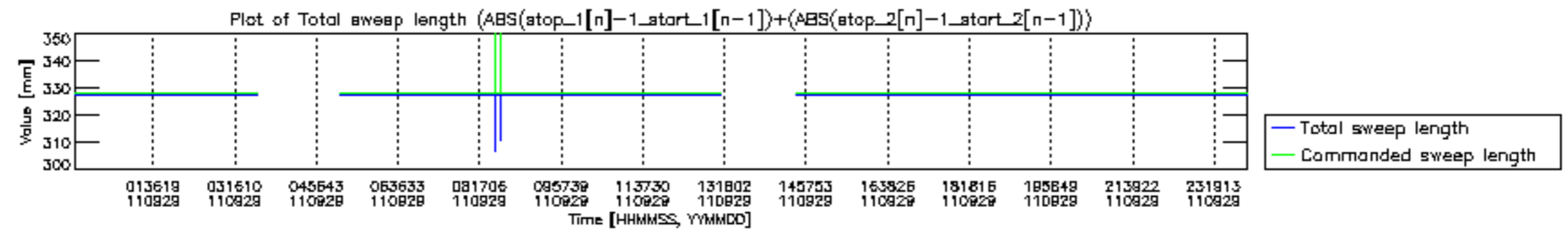


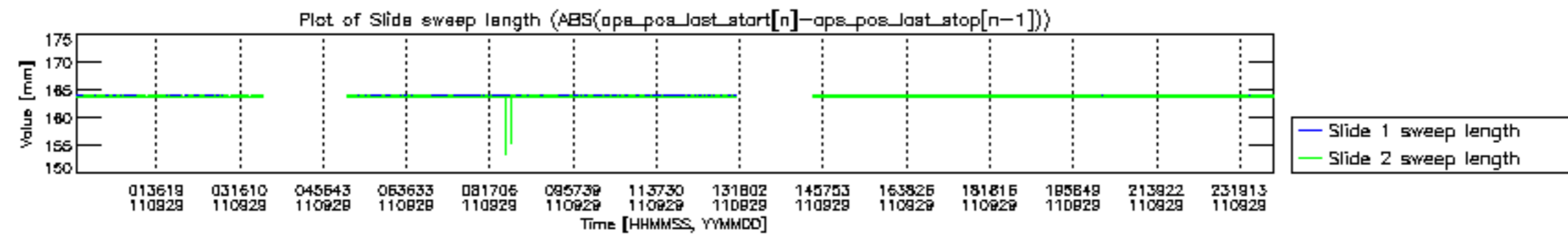


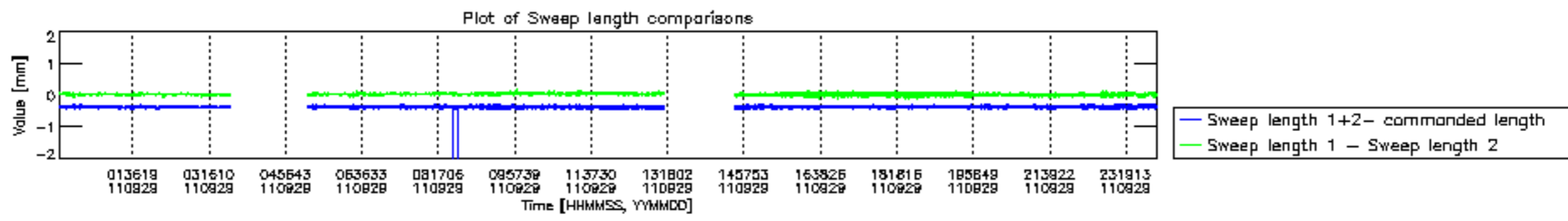


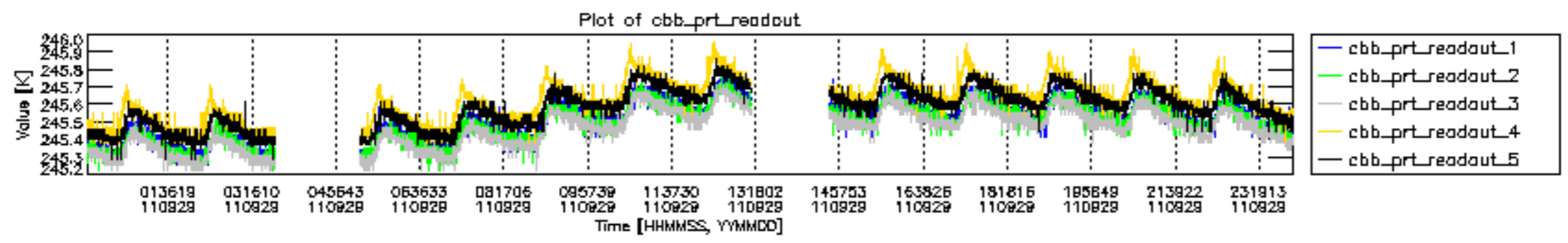




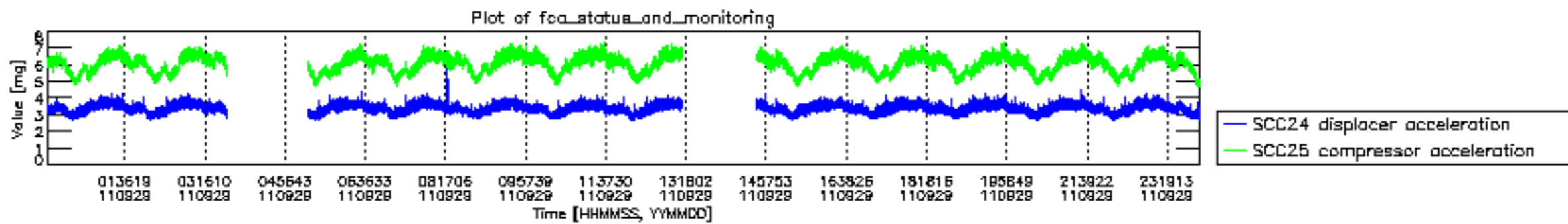












MIPNLOP\_MIPSOUPAC\_aux\_fields\_igm\_cal, channel statistics plot  
 Colour indicates value.

