

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	02OCT2011 05:25:41
Data source version	KSPT_L0/4504-N
Processing scope for products	28SEP2011 00:00:00 to 29SEP2011 00:00:00
Start time of first product within scope	28SEP2011 01:28:52
Stop time of last product within scope	29SEP2011 00:53:47
Total number of level 0 products	12
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__0PNPDE20110928_012852_000102533107_00074_50088_9728.N1	28SEP2011 01:28:52	28SEP2011 04:19:45	0	0	0	0	0
1	MIP_NL__0PNPDK20110928_060254_000041013107_00077_50091_7152.N1	28SEP2011 06:02:54	28SEP2011 07:11:15	0	0	0	0	0
2	MIP_NL__0PNPDK20110928_071042_000060693107_00078_50092_7153.N1	28SEP2011 07:10:42	28SEP2011 08:51:50	0	0	0	0	0
3	MIP_NL__0PNPDK20110928_085117_000059903107_00079_50093_7154.N1	28SEP2011 08:51:17	28SEP2011 10:31:07	0	0	0	0	0
4	MIP_NL__0PNPDK20110928_103023_000059813107_00080_50094_7155.N1	28SEP2011 10:30:23	28SEP2011 12:10:04	0	0	0	0	0
5	MIP_NL__0PNPDK20110928_120912_000059103107_00081_50095_7156.N1	28SEP2011 12:09:12	28SEP2011 13:47:42	0	0	0	0	0
6	MIP_NL__0PNPDK20110928_134645_000060143107_00082_50096_7157.N1	28SEP2011 13:46:45	28SEP2011 15:27:00	0	0	0	0	0
7	MIP_NL__0PNPDK20110928_152521_000060003107_00083_50097_7158.N1	28SEP2011 15:25:21	28SEP2011 17:05:21	0	0	0	0	0
8	MIP_NL__0PNPDK20110928_183942_000059833107_00085_50099_7160.N1	28SEP2011 18:39:42	28SEP2011 20:19:25	0	0	0	0	0
9	MIP_NL__0PNPDE20110928_201810_000043833107_00086_50100_9730.N1	28SEP2011 20:18:10	28SEP2011 21:31:13	0	0	0	0	0
10	MIP_NL__0PNPDE20110928_213008_000061633107_00086_50100_9731.N1	28SEP2011 21:30:08	28SEP2011 23:12:51	0	0	0	0	0
11	MIP_NL__0PNPDE20110928_231152_000061153107_00087_50101_9732.N1	28SEP2011 23:11:52	29SEP2011 00:53:47	0	0	0	0	0

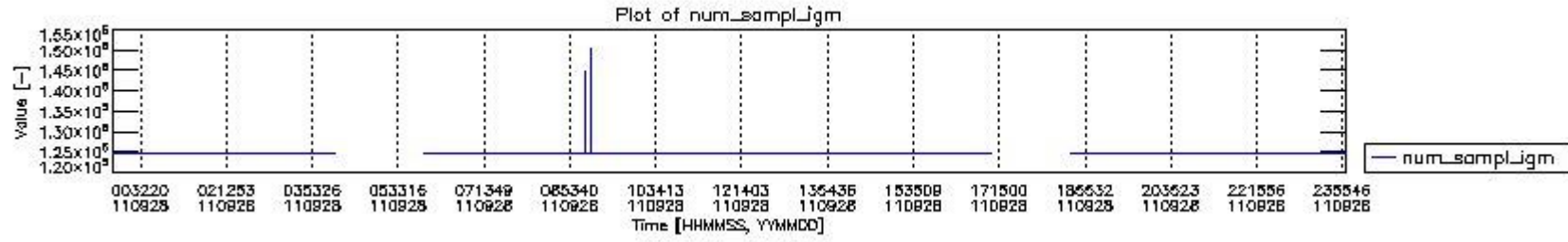
0.2 Instrument Operational Performance Parameters

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.

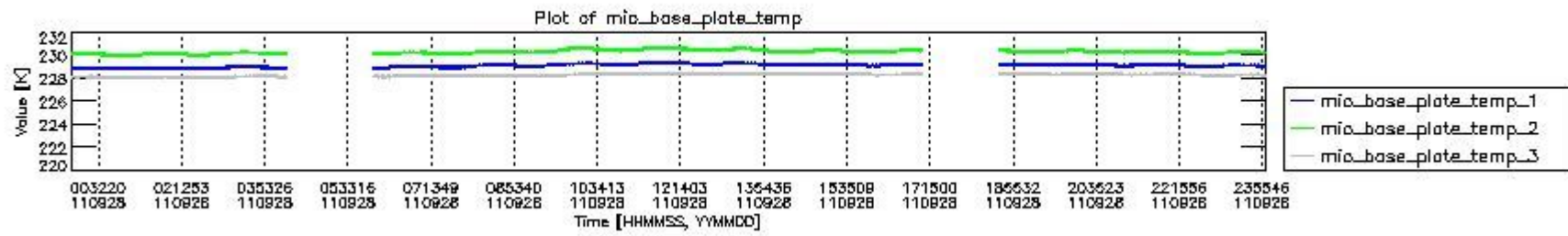
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124483	1	0.0027897894
124800	33298	92.894406
124803	2541	7.0888548
127605	1	0.0027897894
144298	1	0.0027897894
144615	1	0.0027897894

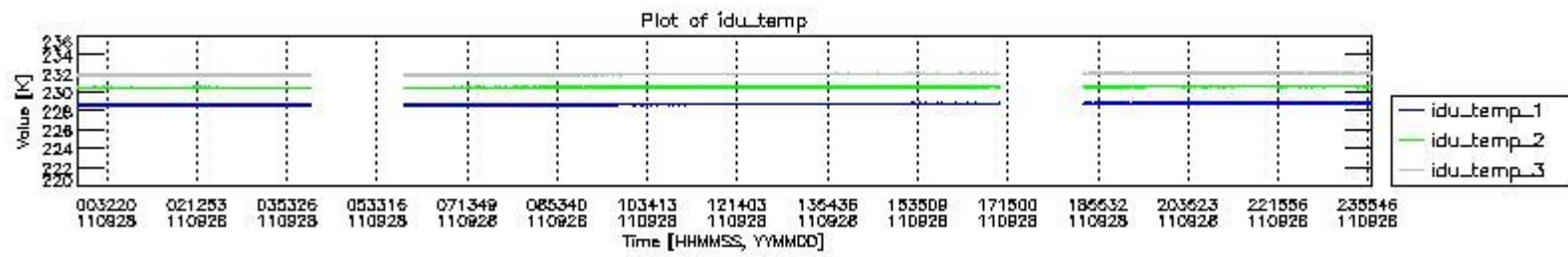
147737	1	0.0027897894
150542	1	0.0027897894



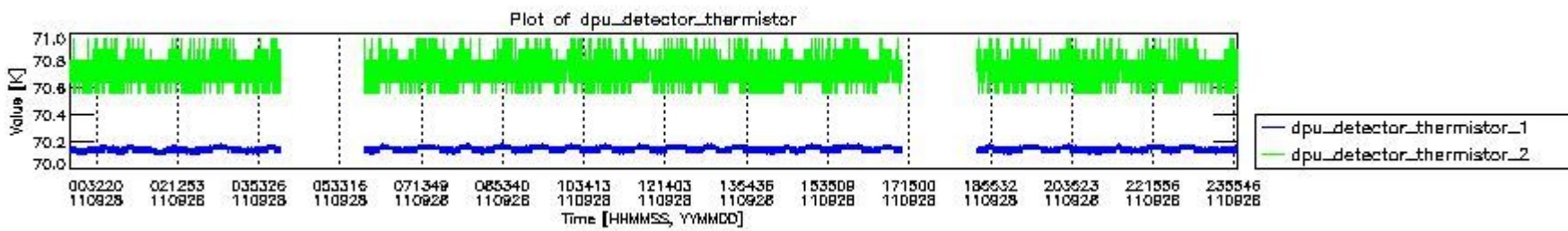
mipas_daily_report_level0_KSPT_L0_4504_N_20110928_0.PNG



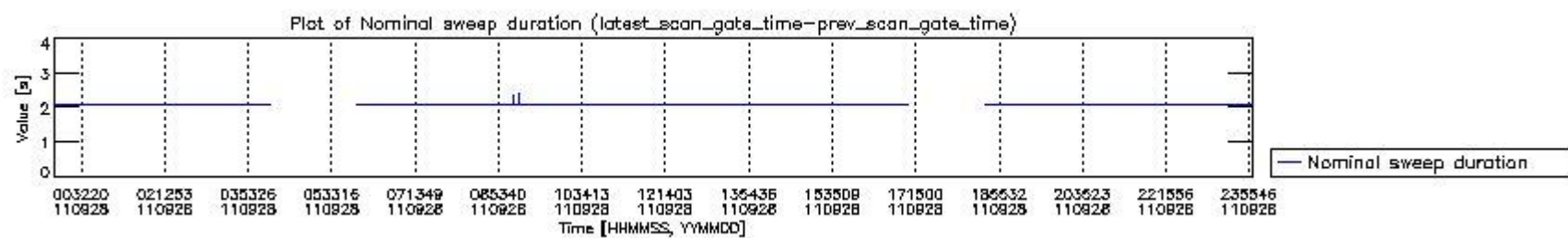
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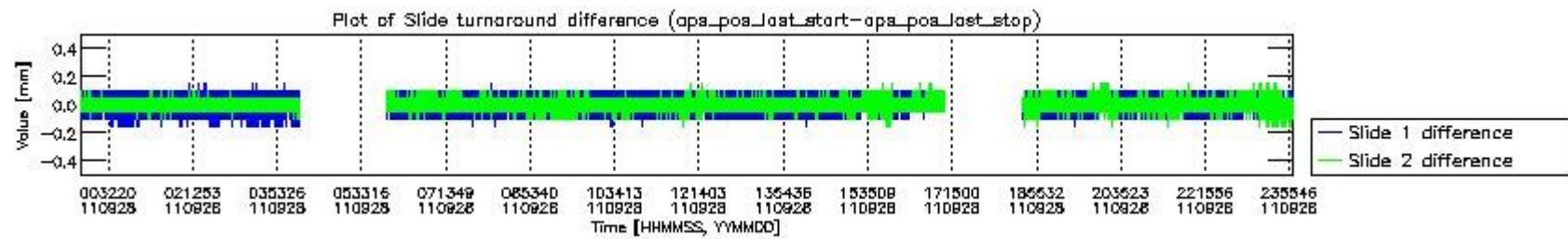
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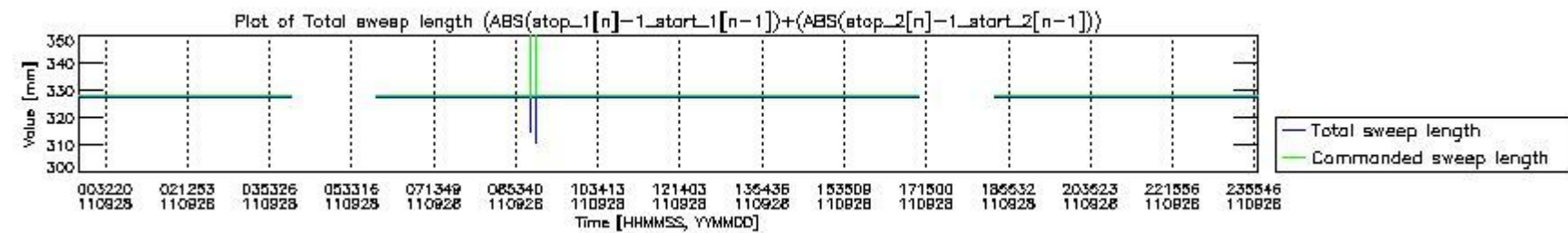
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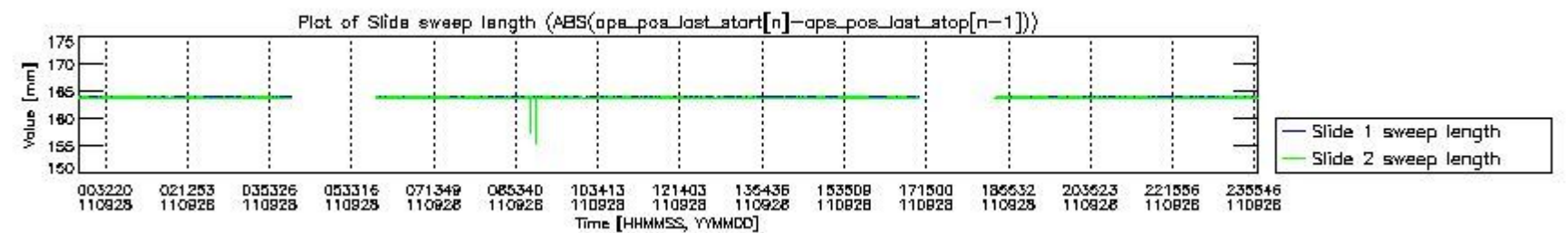
mipas_daily_report_level0_KSPT_L0_4504_N_20110928_4.PNG



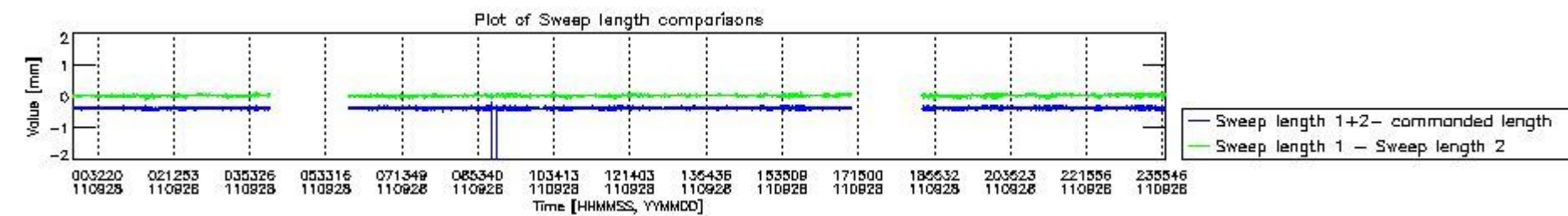
mipas_daily_report_level0_KSPT_L0_4504_N_20110928_5.PNG



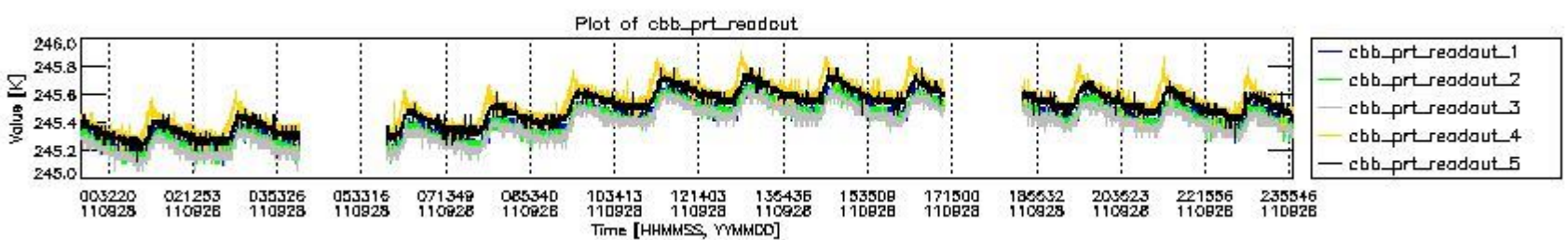
mipas_daily_report_level0_KSPT_L0_4504_N_20110928_6.PNG



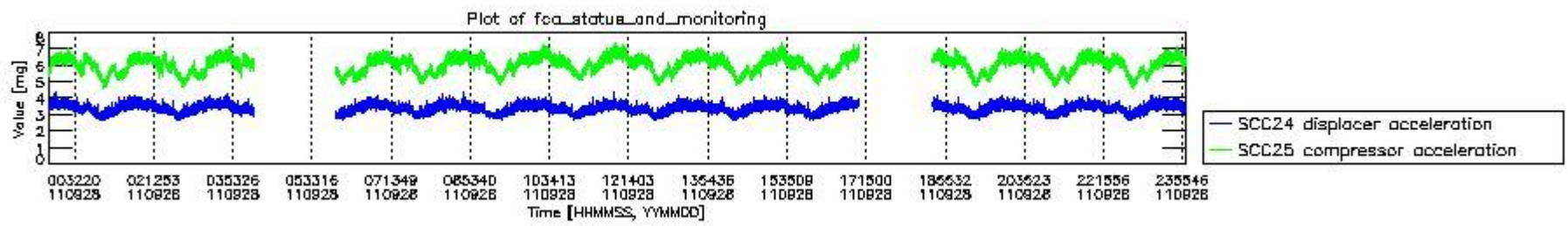
mipas_daily_report_level0_KSPT_L0_4504_N_20110928_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110928_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110928_9.PNG

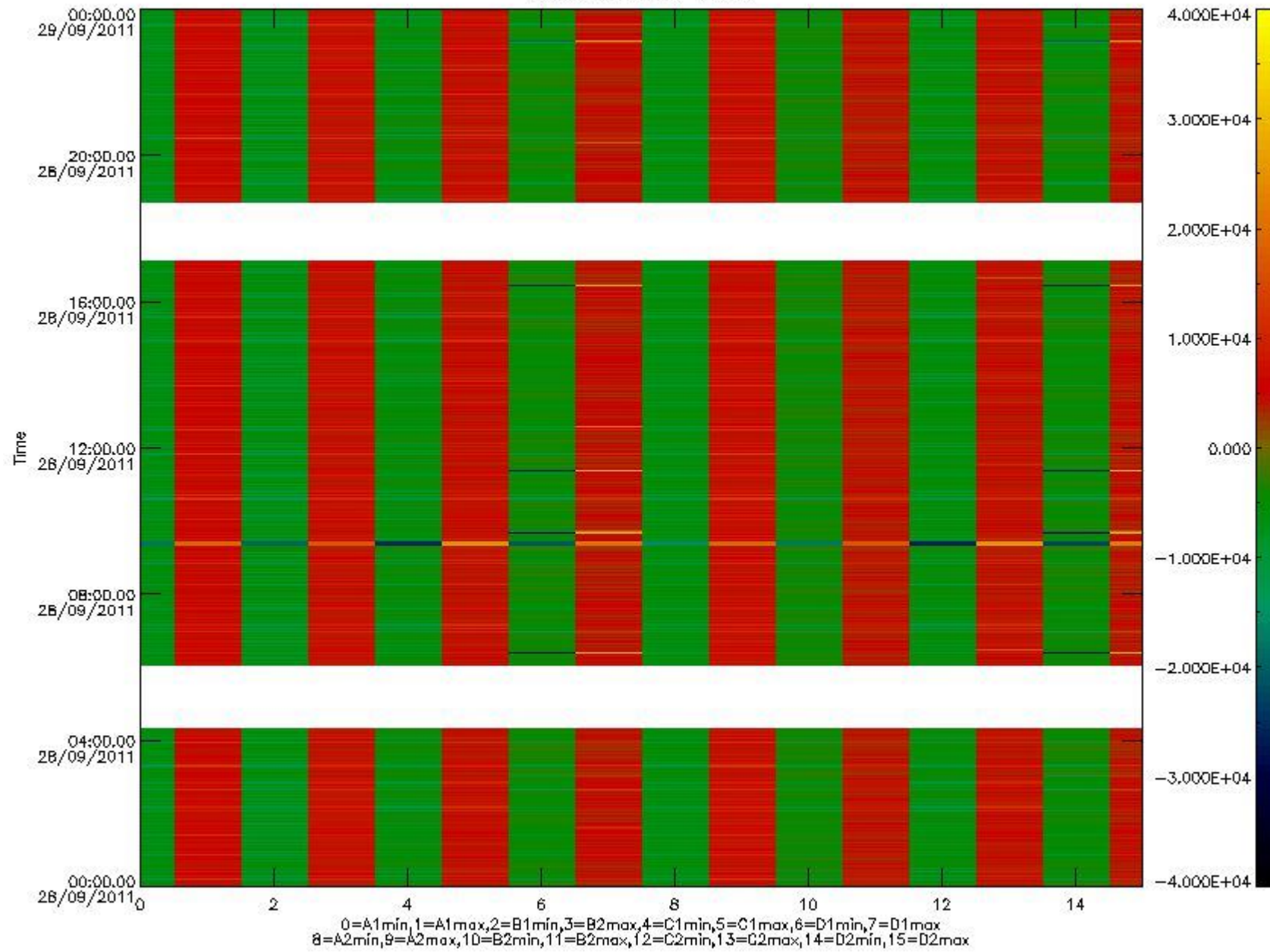


mipas_daily_report_level0_KSPT_L0_4504_N_20110928_10.PNG

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

Channel	Min	Max	ADC
A1	-18161	19267	16bit
B1	-20557	17688	16bit
C1	-25454	25295	16bit
D1	-32768	32767	16bit
A2	-15790	19530	16bit
B2	-18555	18232	16bit
C2	-26427	26033	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_20110928_11.PNG

0.3 ADF monitoring

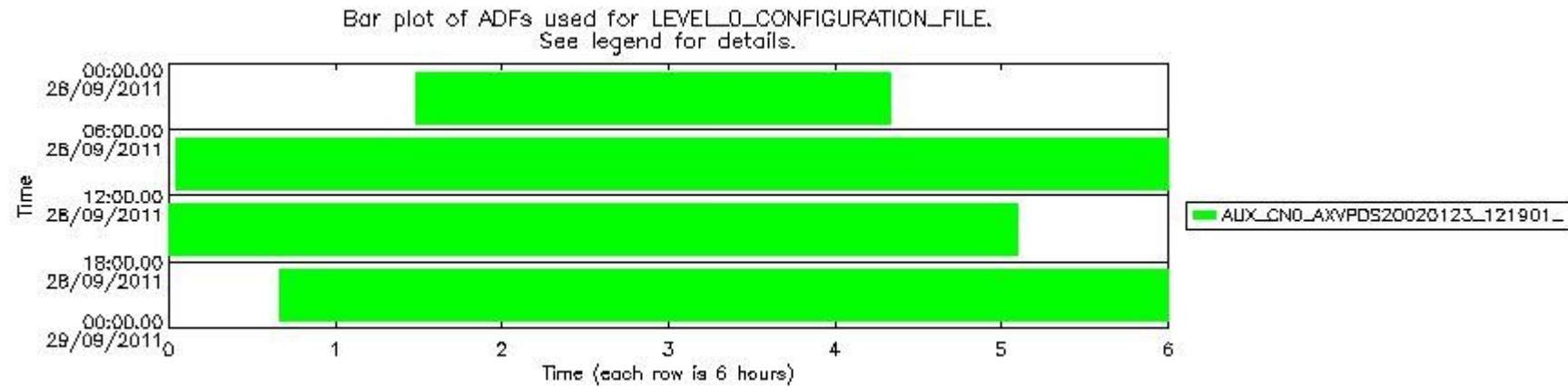
The use of ADFs is shown in two ways:

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.

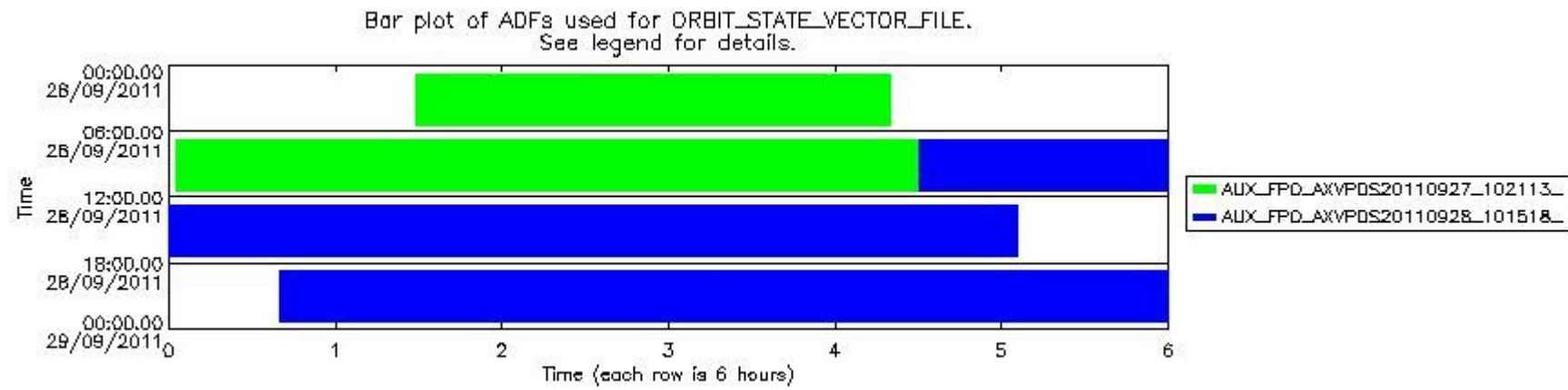
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110927_102113_20110926_193647_20111006_201017
2	AUX_FPO_AXVPDS20110928_101518_20110927_190002_20111007_211346

Number	Product name	#CN0	#FPO
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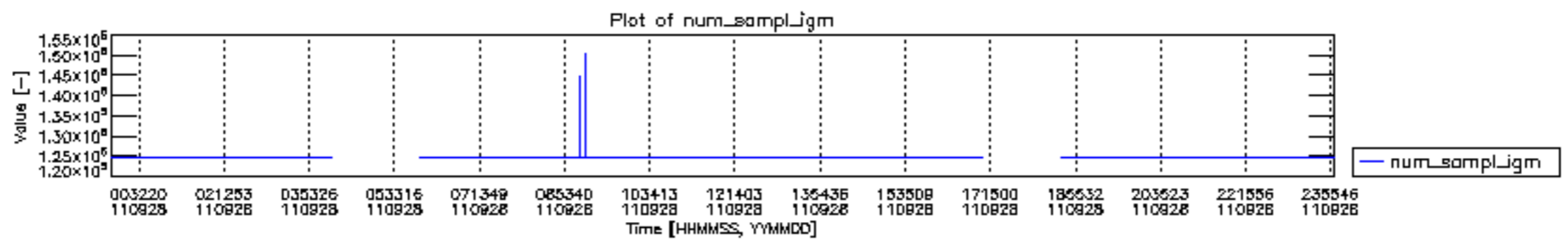
0	MIP_NL__0PNPDE20110928_012852_000102533107_00074_50088_9728.N1	0	1
1	MIP_NL__0PNPDK20110928_060254_000041013107_00077_50091_7152.N1	0	1
2	MIP_NL__0PNPDK20110928_071042_000060693107_00078_50092_7153.N1	0	1
3	MIP_NL__0PNPDK20110928_085117_000059903107_00079_50093_7154.N1	0	1
4	MIP_NL__0PNPDK20110928_103023_000059813107_00080_50094_7155.N1	0	2
5	MIP_NL__0PNPDK20110928_120912_000059103107_00081_50095_7156.N1	0	2
6	MIP_NL__0PNPDK20110928_134645_000060143107_00082_50096_7157.N1	0	2
7	MIP_NL__0PNPDK20110928_152521_000060003107_00083_50097_7158.N1	0	2
8	MIP_NL__0PNPDK20110928_183942_000059833107_00085_50099_7160.N1	0	2
9	MIP_NL__0PNPDE20110928_201810_000043833107_00086_50100_9730.N1	0	2
10	MIP_NL__0PNPDE20110928_213008_000061633107_00086_50100_9731.N1	0	2
11	MIP_NL__0PNPDE20110928_231152_000061153107_00087_50101_9732.N1	0	2

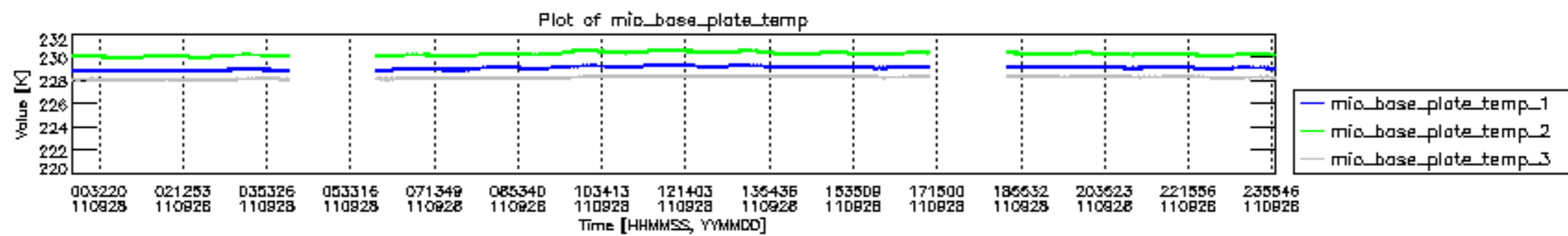


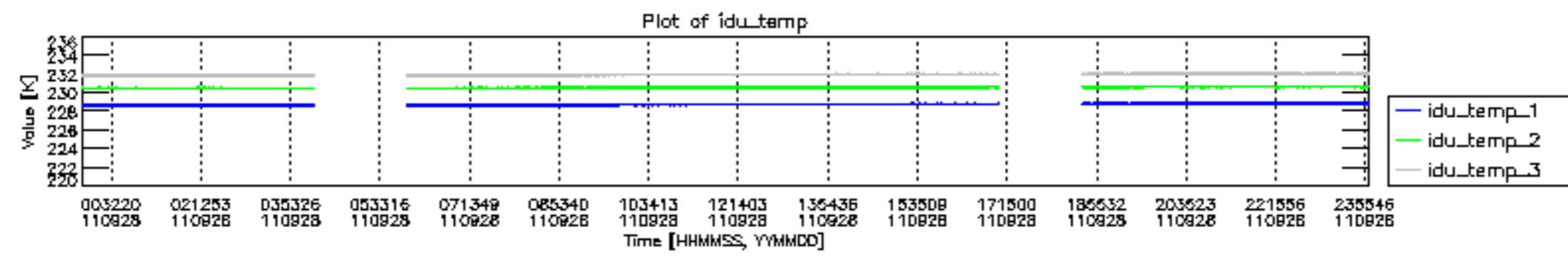
mipas_daily_report_level0_KSPT_L0_4504_N_20110928_12.PNG

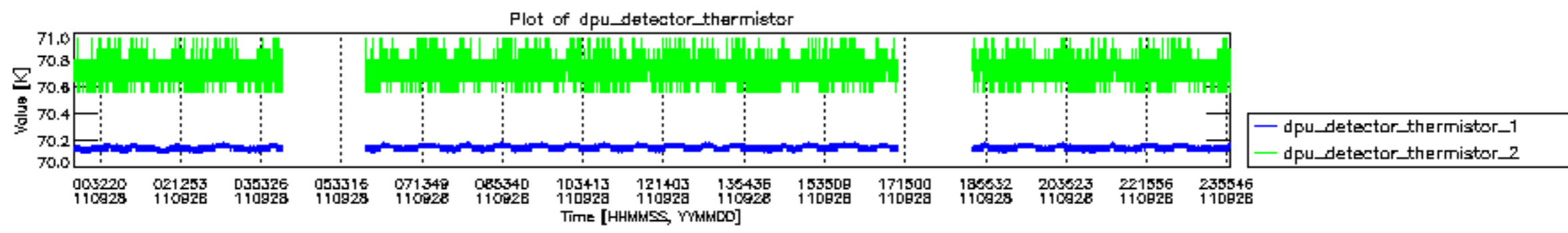


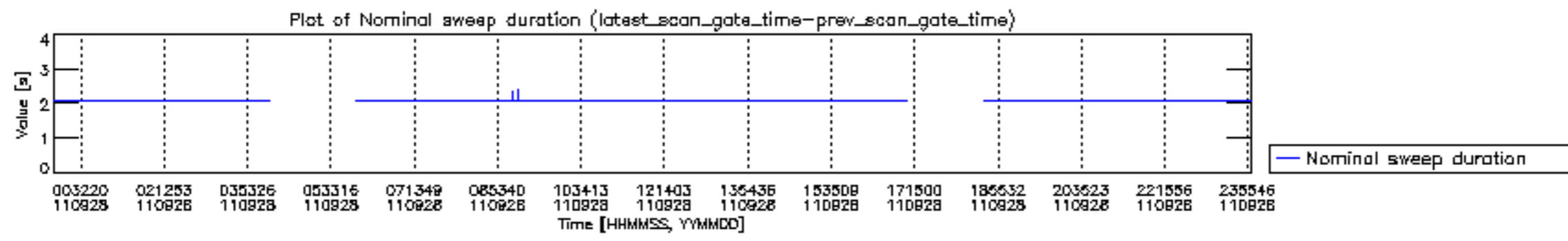
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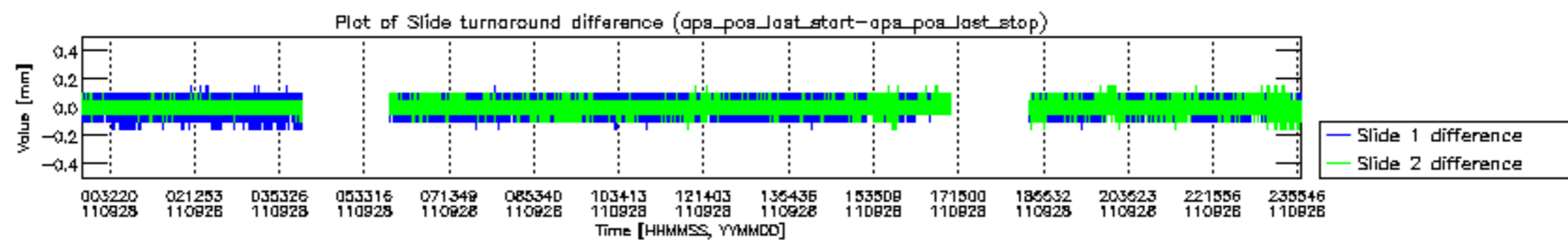


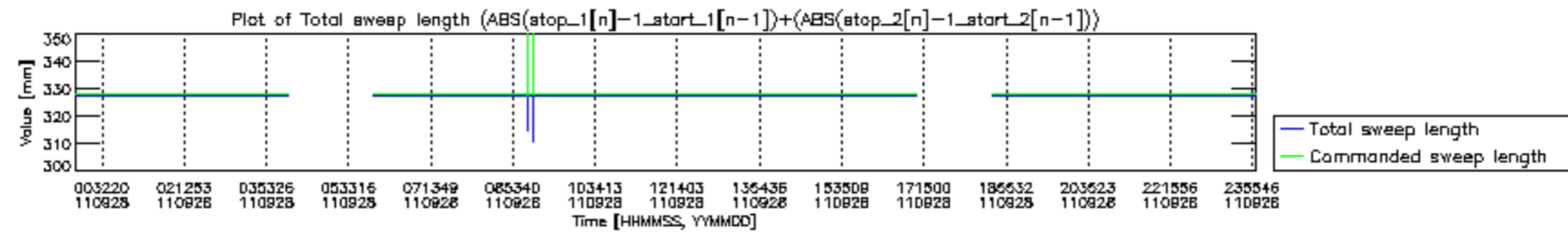


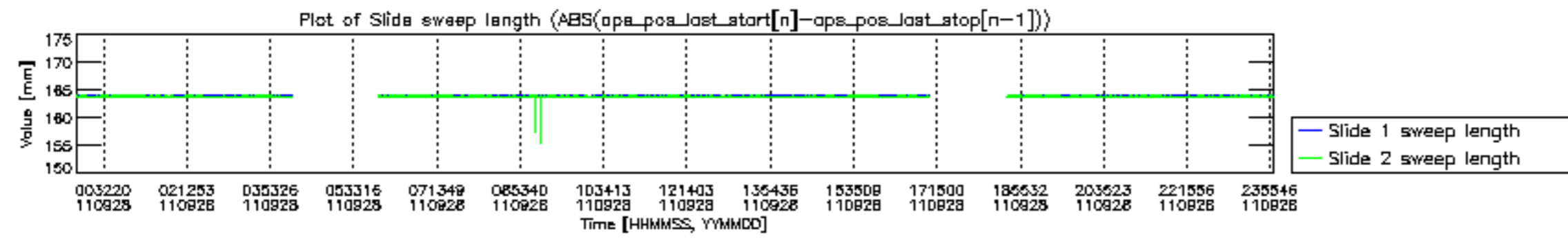


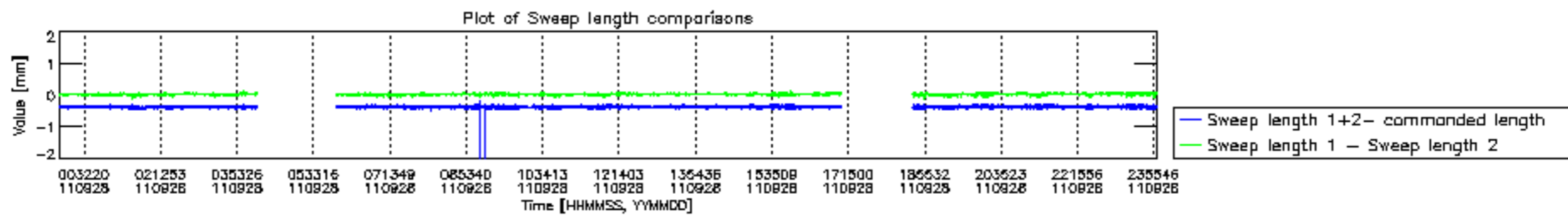


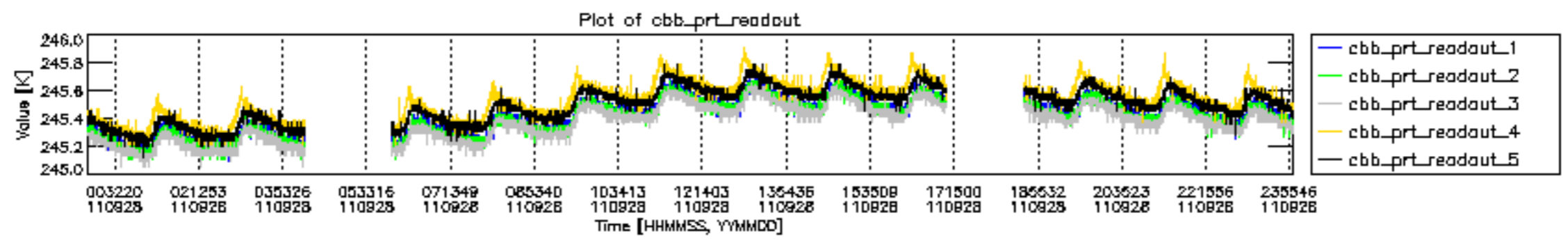


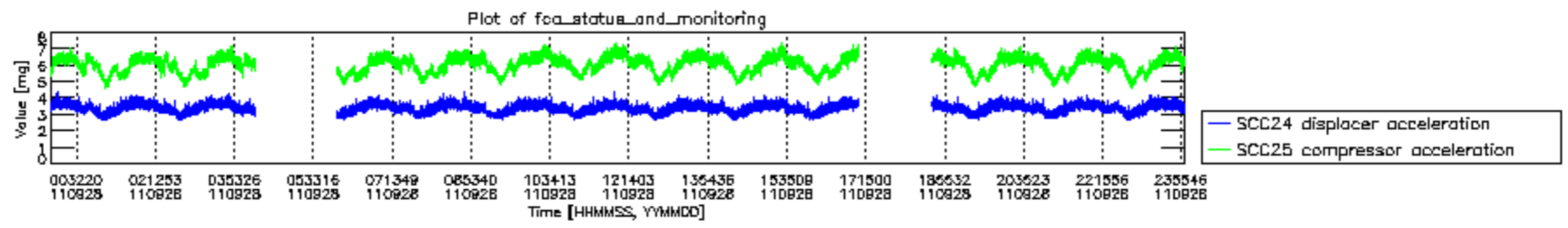












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

