

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	08AUG2011 12:54:55
Data source version	KSPT_L0/4504-N
Processing scope for products	03AUG2011 00:00:00 to 04AUG2011 00:00:00
Start time of first product within scope	03AUG2011 00:41:20
Stop time of last product within scope	04AUG2011 00:05:43
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__0PNPDE20110803_004120_000058413105_00131_49283_9363.N1	03AUG2011 00:41:20	03AUG2011 02:18:41	0	0	0	0	0
1	MIP_NL__0PNPDE20110803_021728_000045733105_00132_49284_9364.N1	03AUG2011 02:17:28	03AUG2011 03:33:41	0	0	0	0	0
2	MIP_NL__0PNPDE20110803_033310_000061083105_00133_49285_9365.N1	03AUG2011 03:33:10	03AUG2011 05:14:58	0	0	0	0	0
3	MIP_NL__0PNPDE20110803_051425_000060893105_00134_49286_9366.N1	03AUG2011 05:14:25	03AUG2011 06:55:54	0	0	0	0	0
4	MIP_NL__0PNPDK20110803_080241_000060913105_00136_49288_5945.N1	03AUG2011 08:02:41	03AUG2011 09:44:12	0	0	0	0	0
5	MIP_NL__0PNPDK20110803_094328_000059453105_00137_49289_5946.N1	03AUG2011 09:43:28	03AUG2011 11:22:33	0	0	0	0	0
6	MIP_NL__0PNPDK20110803_112149_000060503105_00138_49290_5947.N1	03AUG2011 11:21:49	03AUG2011 13:02:39	0	0	0	0	0
7	MIP_NL__0PNPDK20110803_130206_000059143105_00139_49291_5948.N1	03AUG2011 13:02:06	03AUG2011 14:40:40	0	0	0	0	0
8	MIP_NL__0PNPDK20110803_143956_000058643105_00140_49292_5949.N1	03AUG2011 14:39:56	03AUG2011 16:17:40	0	0	0	0	0
9	MIP_NL__0PNPDK20110803_161707_000059123105_00141_49293_5950.N1	03AUG2011 16:17:07	03AUG2011 17:55:38	0	0	0	0	0
10	MIP_NL__0PNPDK20110803_175446_000059623105_00142_49294_5951.N1	03AUG2011 17:54:46	03AUG2011 19:34:08	0	0	0	0	0
11	MIP_NL__0PNPDK20110803_193245_000059563105_00143_49295_5952.N1	03AUG2011 19:32:45	03AUG2011 21:12:00	0	0	0	0	0
12	MIP_NL__0PNPDE20110803_211031_000044703105_00144_49296_9367.N1	03AUG2011 21:10:31	03AUG2011 22:25:01	0	0	0	0	0
13	MIP_NL__0PNPDE20110803_222403_000061003105_00144_49296_9368.N1	03AUG2011 22:24:03	04AUG2011 00:05:43	0	0	0	0	0

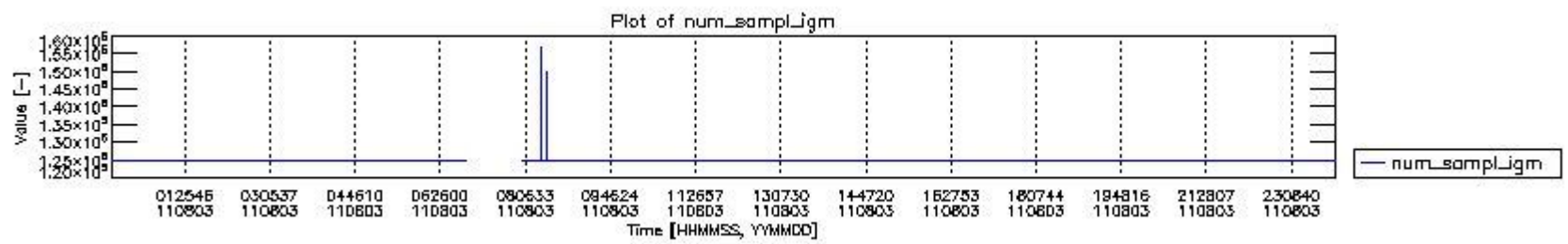
0.2 Instrument Operational Performance Parameters

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.

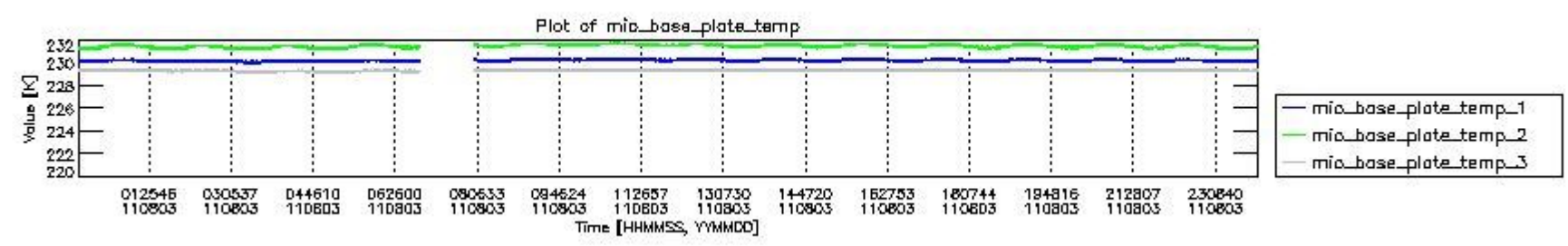
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	36833	92.888306
124803	2814	7.0965627
127308	1	0.0025218773
130727	1	0.0025218773

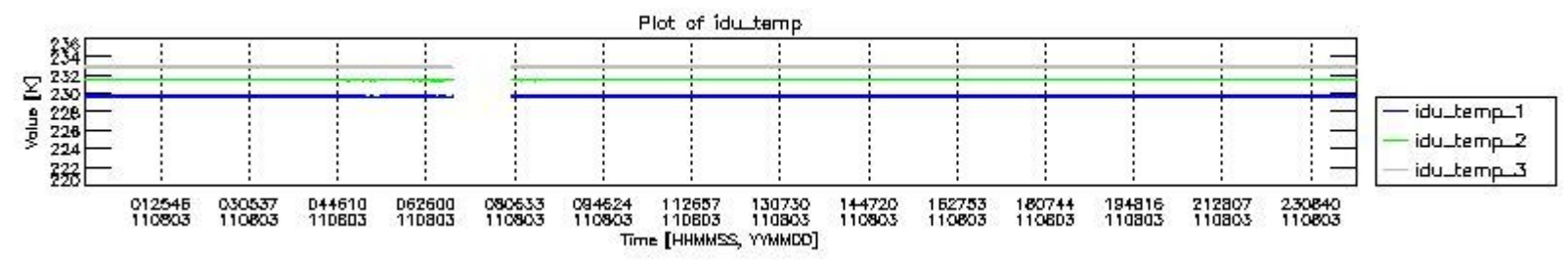
147440	1	0.0025218773
149948	1	0.0025218773
150859	1	0.0025218773
156786	1	0.0025218773



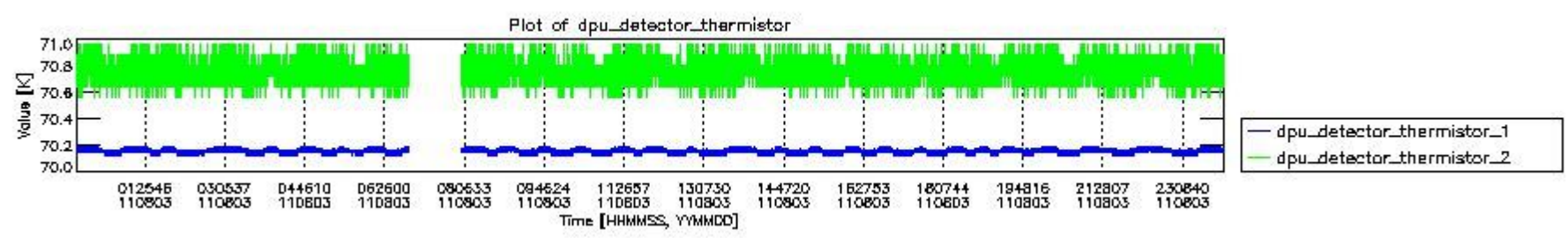
mipas_daily_report_level0_KSPT_L0_4504_N_20110803_0.PNG



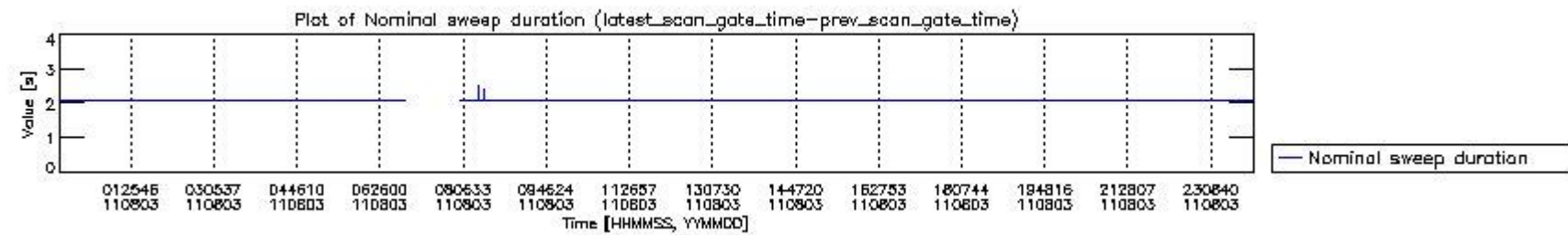
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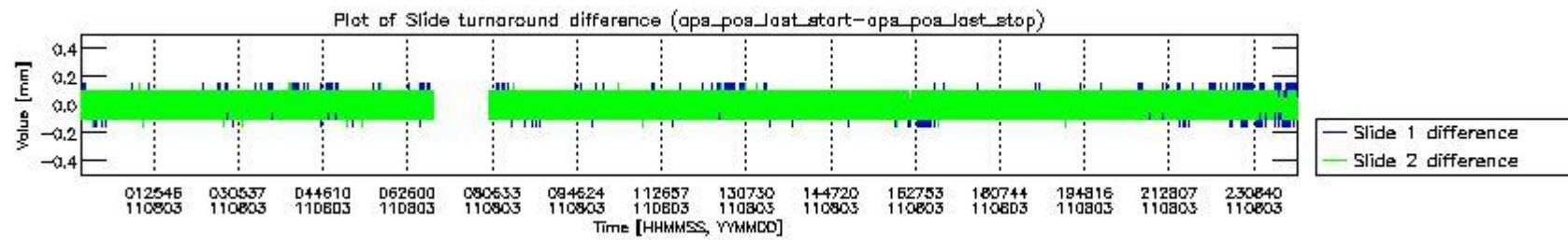
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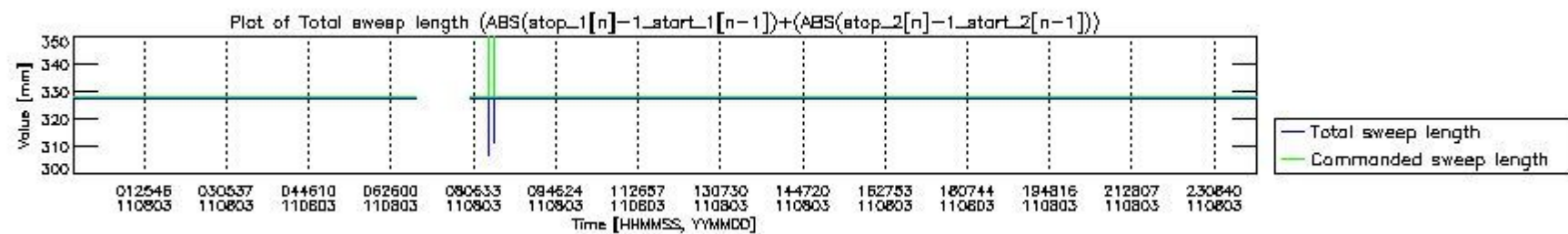
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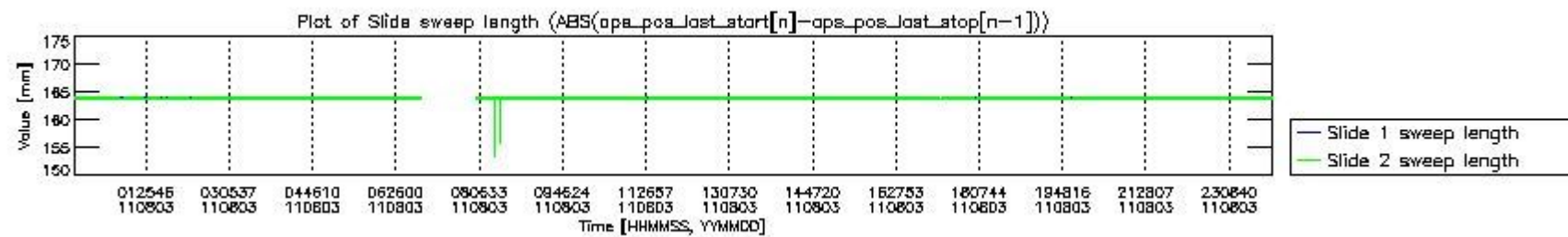
mipas_daily_report_level0_KSPT_L0_4504_N_20110803_4.PNG



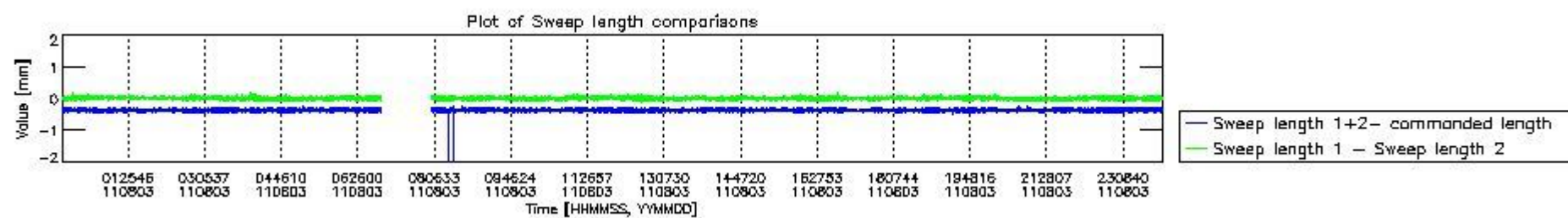
mipas_daily_report_level0_KSPT_L0_4504_N_20110803_5.PNG



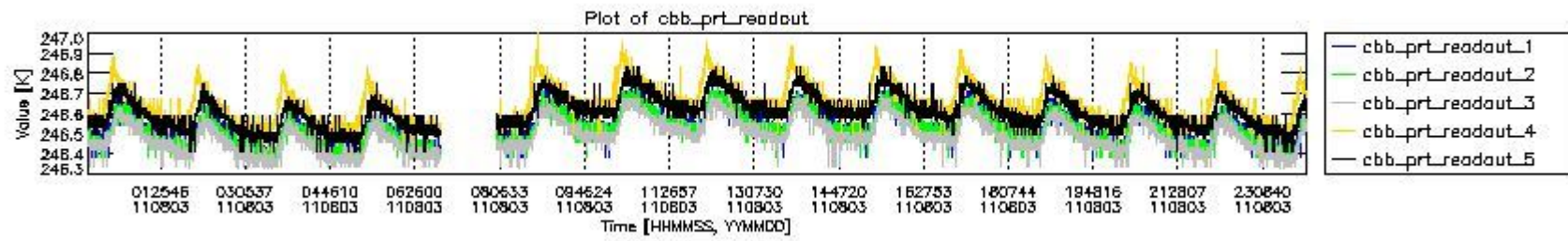
mipas_daily_report_level0_KSPT_L0_4504_N_20110803_6.PNG



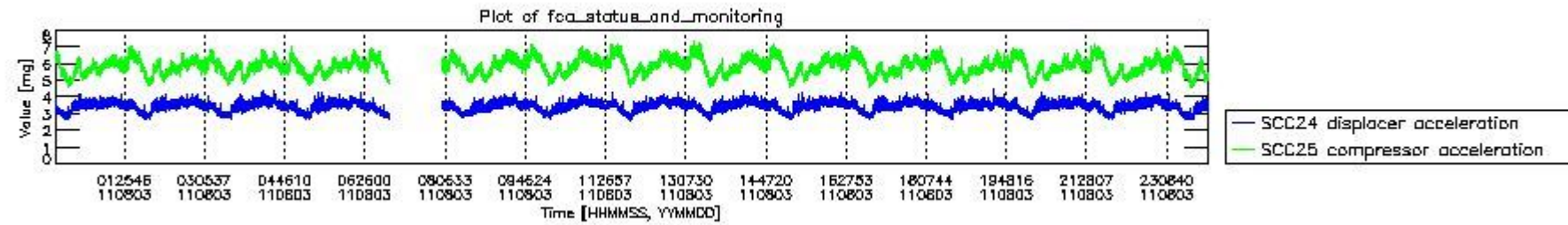
mipas_daily_report_level0_KSPT_L0_4504_N_20110803_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110803_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110803_9.PNG

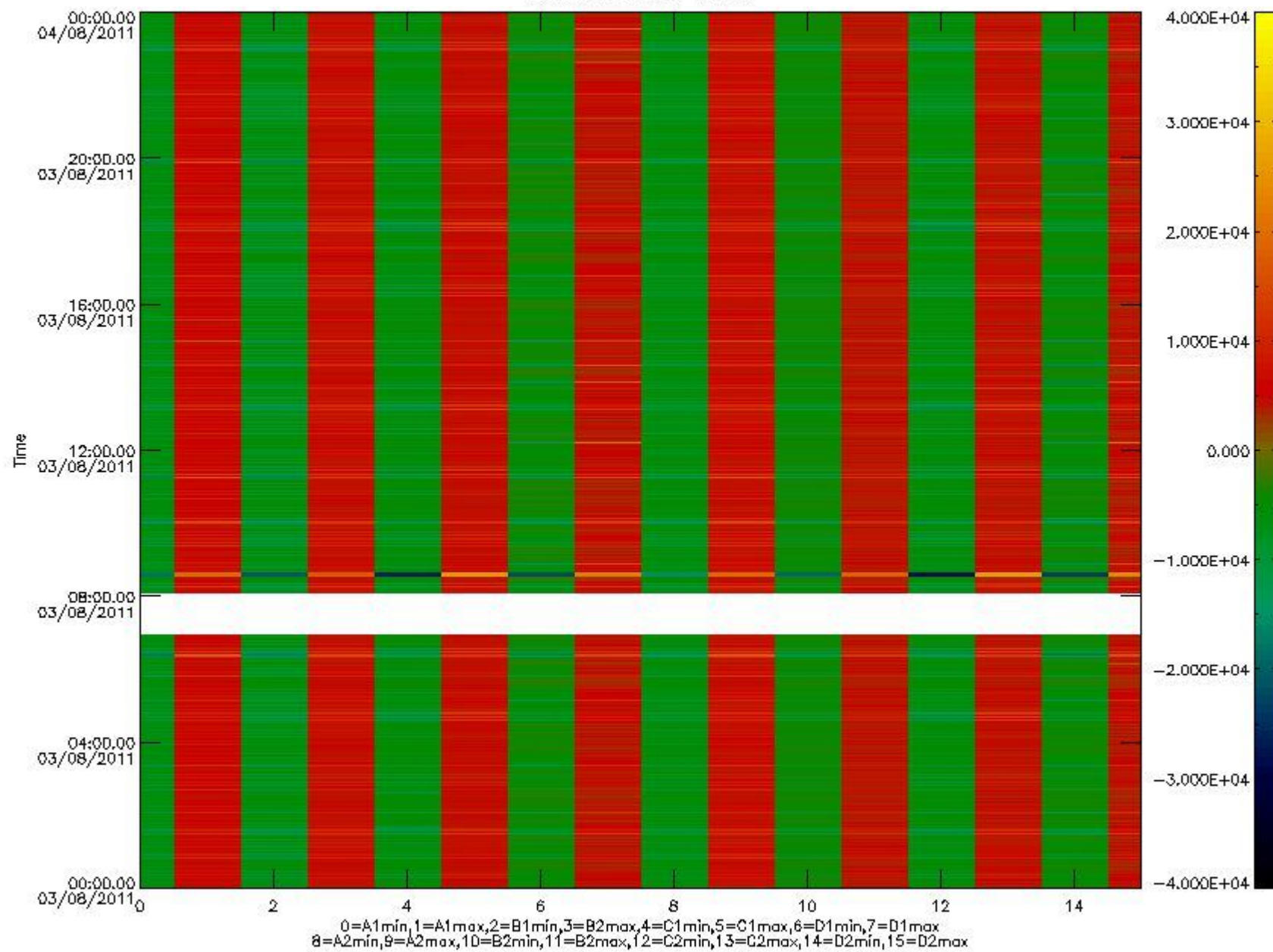


mipas_daily_report_level0_KSPT_L0_4504_N_20110803_10.PNG

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

Channel	Min	Max	ADC
A1	-18934	20110	16bit
B1	-21147	18150	16bit
C1	-26746	26652	16bit
D1	-32768	32767	16bit
A2	-16133	19825	16bit
B2	-19439	19036	16bit
C2	-27791	27452	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_20110803_11.PNG

0.3 ADF monitoring

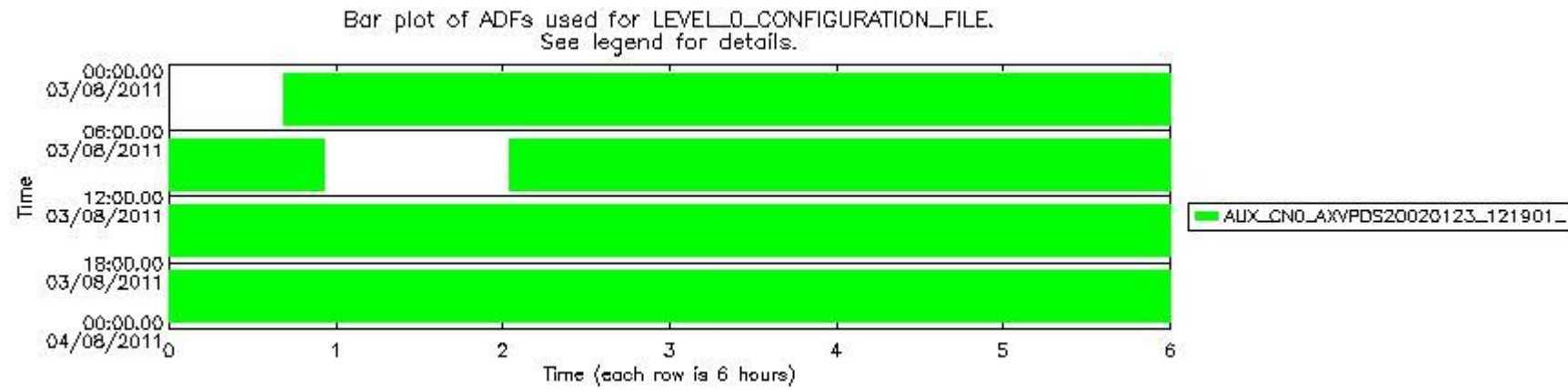
The use of ADFs is shown in two ways:

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.

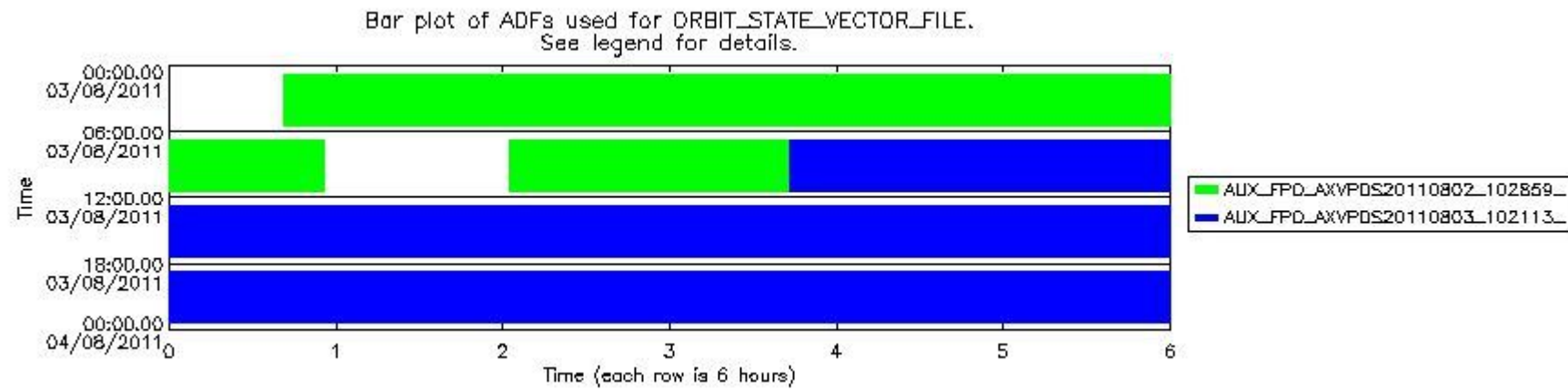
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110802_102859_20110801_184921_20110811_210307
2	AUX_FPO_AXVPDS20110803_102113_20110802_195251_20110812_202623

Number	Product name	#CN0	#FPO
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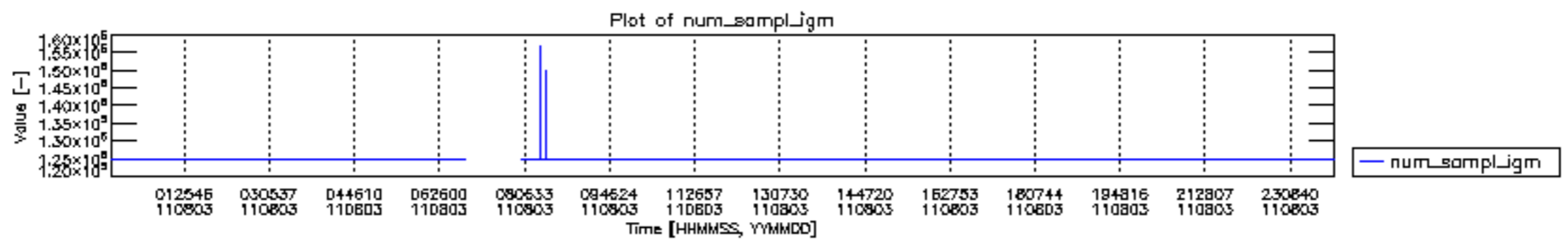
0	MIP_NL__0PNPDE20110803_004120_000058413105_00131_49283_9363.N1	0	1
1	MIP_NL__0PNPDE20110803_021728_000045733105_00132_49284_9364.N1	0	1
2	MIP_NL__0PNPDE20110803_033310_000061083105_00133_49285_9365.N1	0	1
3	MIP_NL__0PNPDE20110803_051425_000060893105_00134_49286_9366.N1	0	1
4	MIP_NL__0PNPDK20110803_080241_000060913105_00136_49288_5945.N1	0	1
5	MIP_NL__0PNPDK20110803_094328_000059453105_00137_49289_5946.N1	0	2
6	MIP_NL__0PNPDK20110803_112149_000060503105_00138_49290_5947.N1	0	2
7	MIP_NL__0PNPDK20110803_130206_000059143105_00139_49291_5948.N1	0	2
8	MIP_NL__0PNPDK20110803_143956_000058643105_00140_49292_5949.N1	0	2
9	MIP_NL__0PNPDK20110803_161707_000059123105_00141_49293_5950.N1	0	2
10	MIP_NL__0PNPDK20110803_175446_000059623105_00142_49294_5951.N1	0	2
11	MIP_NL__0PNPDK20110803_193245_000059563105_00143_49295_5952.N1	0	2
12	MIP_NL__0PNPDE20110803_211031_000044703105_00144_49296_9367.N1	0	2
13	MIP_NL__0PNPDE20110803_222403_000061003105_00144_49296_9368.N1	0	2

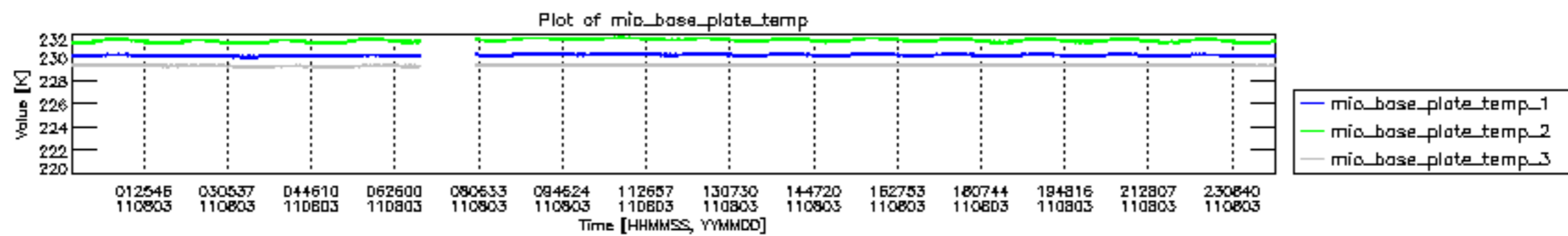


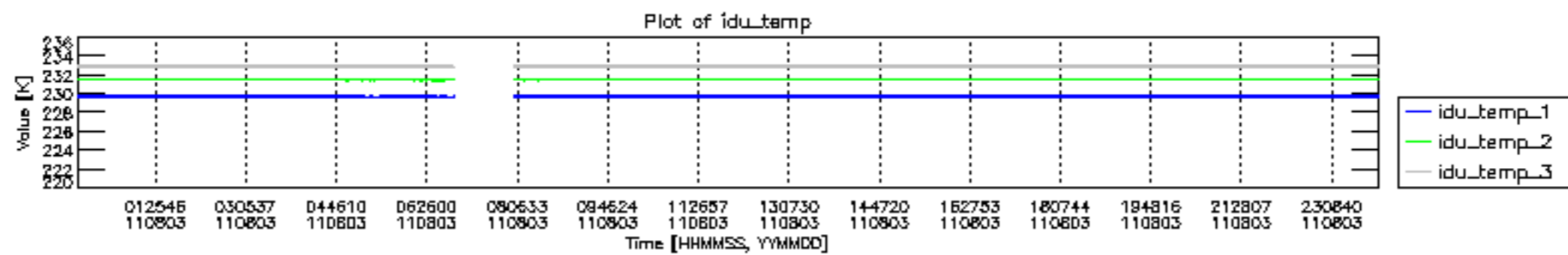
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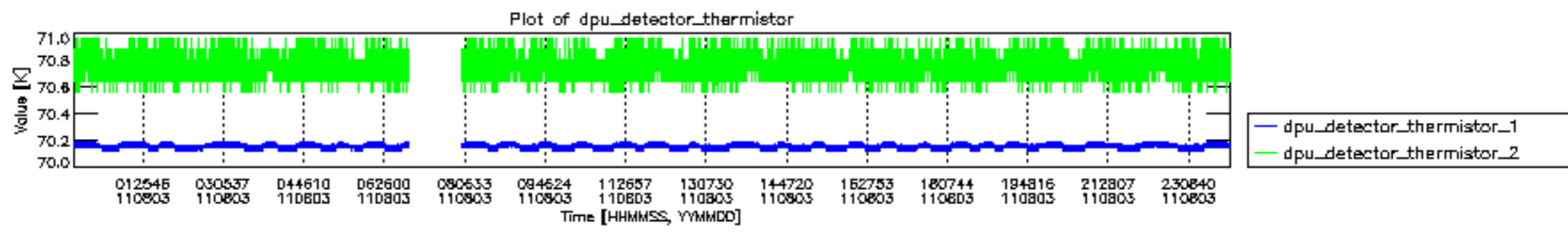


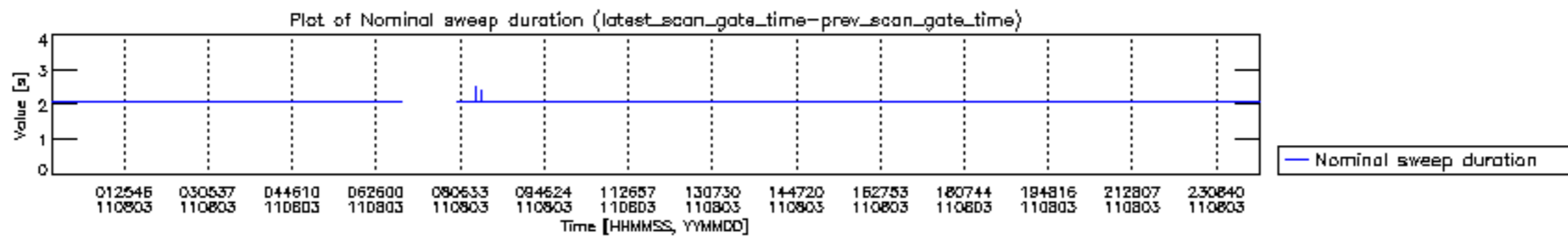
mipas_daily_report_level0_KSPT_L0_4504_N_20110803_13.PNG

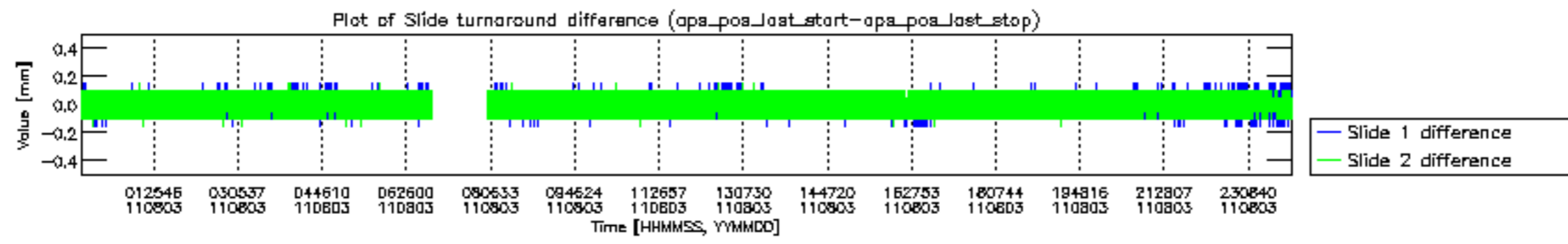


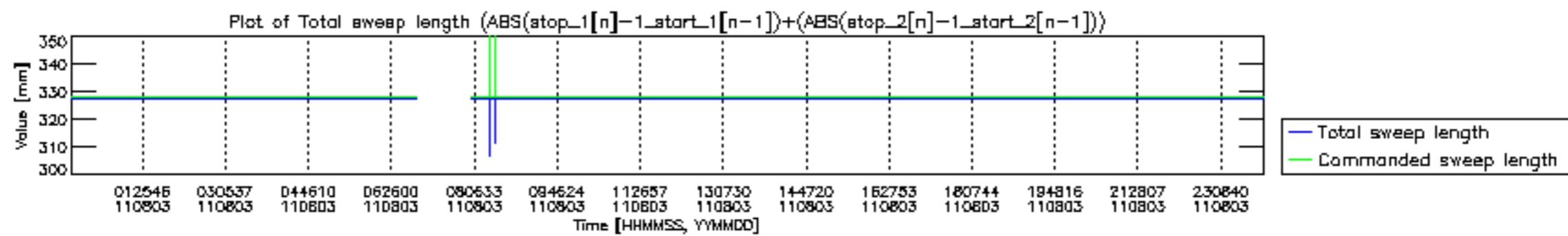


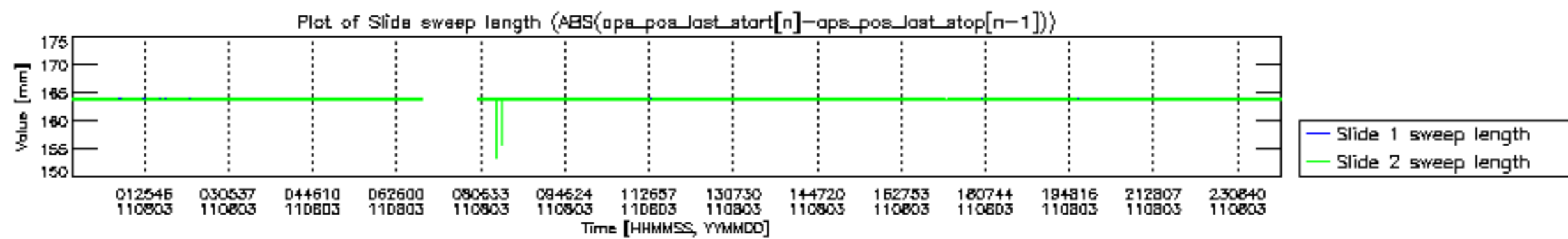


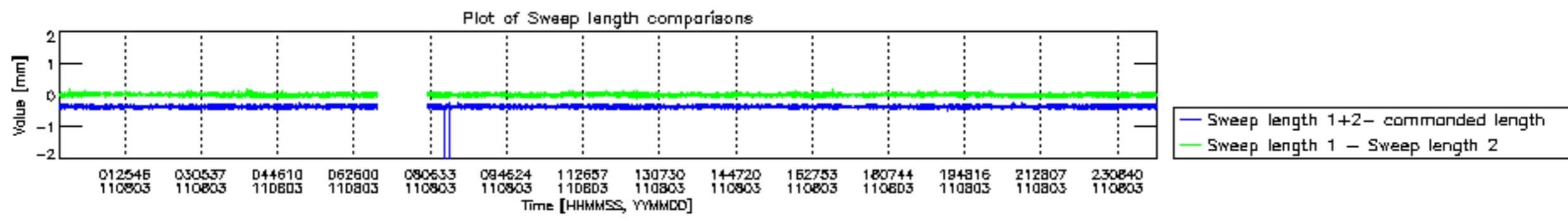


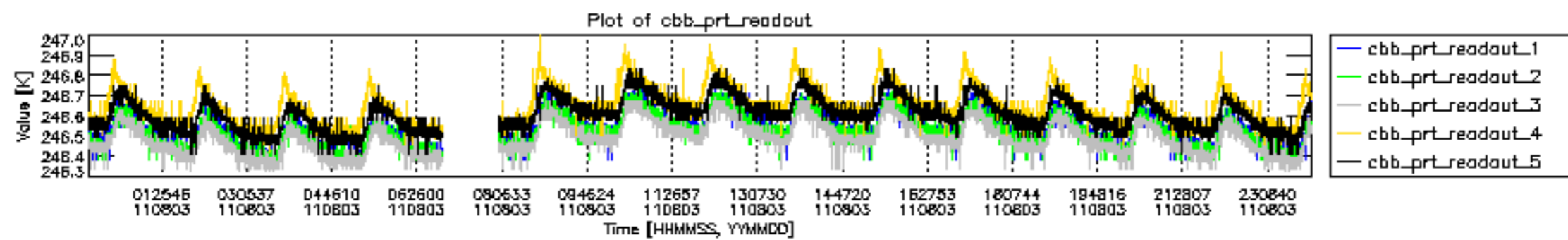


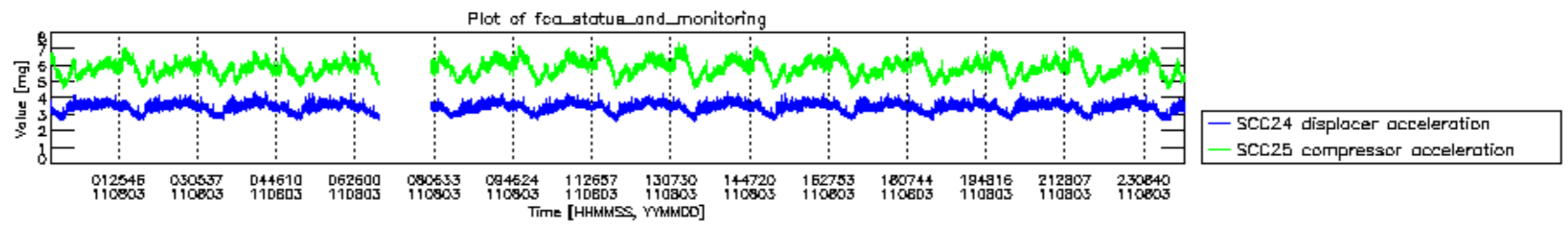












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

