

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	06SEP2011 05:23:21
Data source version	KSPT_L0/4504-N
Processing scope for products	01SEP2011 00:00:00 to 02SEP2011 00:00:00
Start time of first product within scope	01SEP2011 01:18:08
Stop time of last product within scope	02SEP2011 00:43:39
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__0PNPDE20110901_011808_000102983106_00117_49700_9558.N1	01SEP2011 01:18:08	01SEP2011 04:09:46	0	0	0	0	0
1	MIP_NL__0PNPDE20110901_040913_000062313106_00119_49702_9559.N1	01SEP2011 04:09:13	01SEP2011 05:53:04	0	0	0	0	0
2	MIP_NL__0PNPDE20110901_055231_000061483106_00120_49703_9560.N1	01SEP2011 05:52:31	01SEP2011 07:34:59	0	0	0	0	0
3	MIP_NL__0PNPDK20110901_073423_000039403106_00121_49704_6199.N1	01SEP2011 07:34:23	01SEP2011 08:40:03	0	0	0	0	0
4	MIP_NL__0PNPDK20110901_083930_000061283106_00122_49705_6200.N1	01SEP2011 08:39:30	01SEP2011 10:21:38	0	0	0	0	0
5	MIP_NL__0PNPDK20110901_102054_000059433106_00123_49706_6201.N1	01SEP2011 10:20:54	01SEP2011 11:59:57	0	0	0	0	0
6	MIP_NL__0PNPDK20110901_115909_000059293106_00124_49707_6202.N1	01SEP2011 11:59:09	01SEP2011 13:37:57	0	0	0	0	0
7	MIP_NL__0PNPDK20110901_133724_000058323106_00125_49708_6203.N1	01SEP2011 13:37:24	01SEP2011 15:14:37	0	0	0	0	0
8	MIP_NL__0PNPDK20110901_151250_000059683106_00126_49709_6204.N1	01SEP2011 15:12:50	01SEP2011 16:52:18	0	0	0	0	0
9	MIP_NL__0PNPDK20110901_165118_000059623106_00127_49710_6205.N1	01SEP2011 16:51:18	01SEP2011 18:30:40	0	0	0	0	0
10	MIP_NL__0PNPDK20110901_182937_000059243106_00128_49711_6206.N1	01SEP2011 18:29:37	01SEP2011 20:08:21	0	0	0	0	0
11	MIP_NL__0PNPDE20110901_200656_000045003106_00129_49712_9561.N1	01SEP2011 20:06:56	01SEP2011 21:21:55	0	0	0	0	0
12	MIP_NL__0PNPDE20110901_212007_000061753106_00129_49712_9562.N1	01SEP2011 21:20:07	01SEP2011 23:03:02	0	0	0	0	0
13	MIP_NL__0PNPDE20110901_230203_000060963106_00130_49713_9563.N1	01SEP2011 23:02:03	02SEP2011 00:43:39	0	0	0	0	0

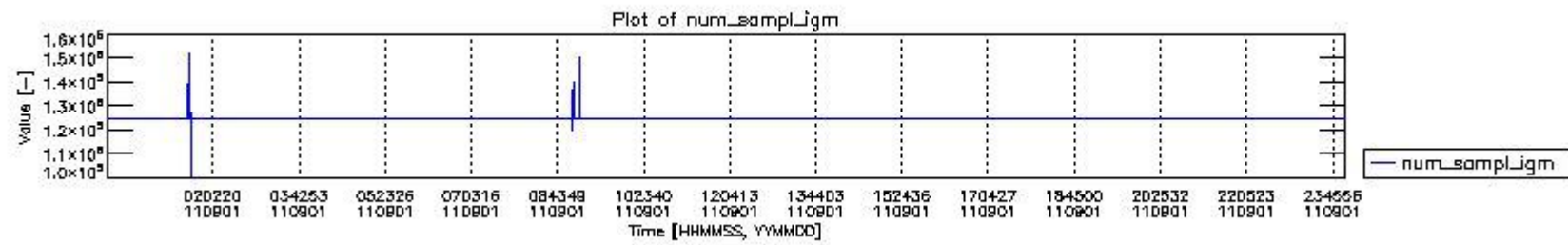
0.2 Instrument Operational Performance Parameters

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.

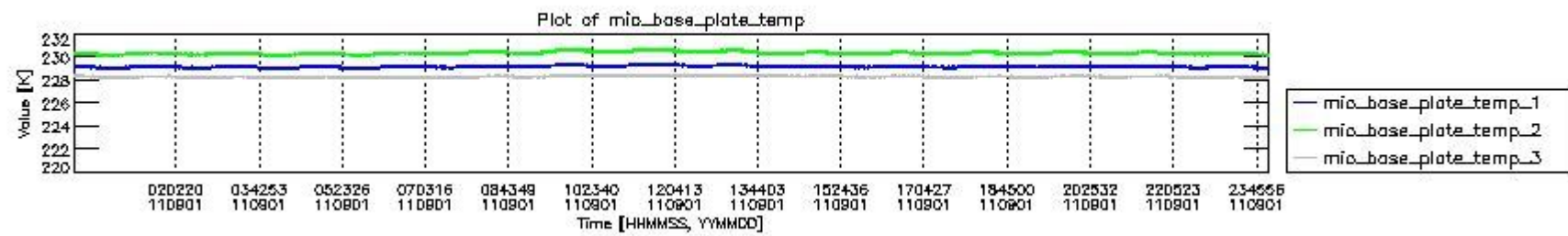
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100632	1	0.0024051181
120022	1	0.0024051181
124800	39160	94.184424
124803	2406	5.7867141

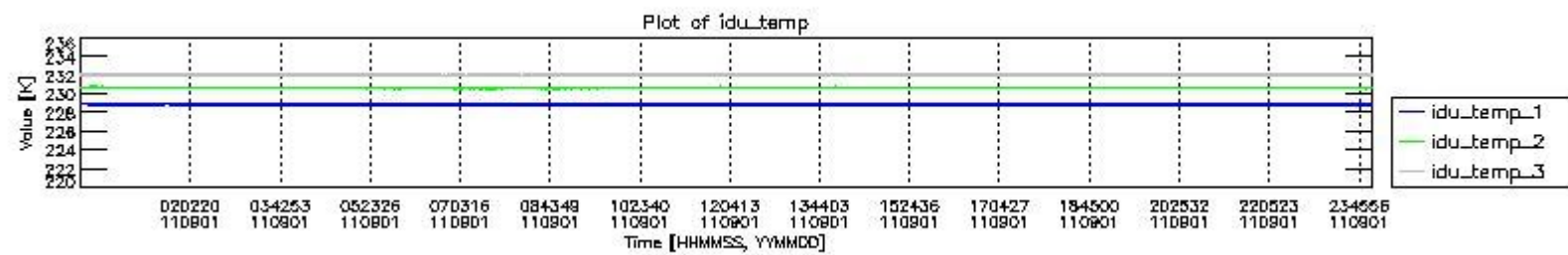
125884	1	0.0024051181
126968	1	0.0024051181
127456	1	0.0024051181
128348	1	0.0024051181
135376	1	0.0024051181
140154	1	0.0024051181
147588	1	0.0024051181
148480	1	0.0024051181
150244	1	0.0024051181
152028	1	0.0024051181



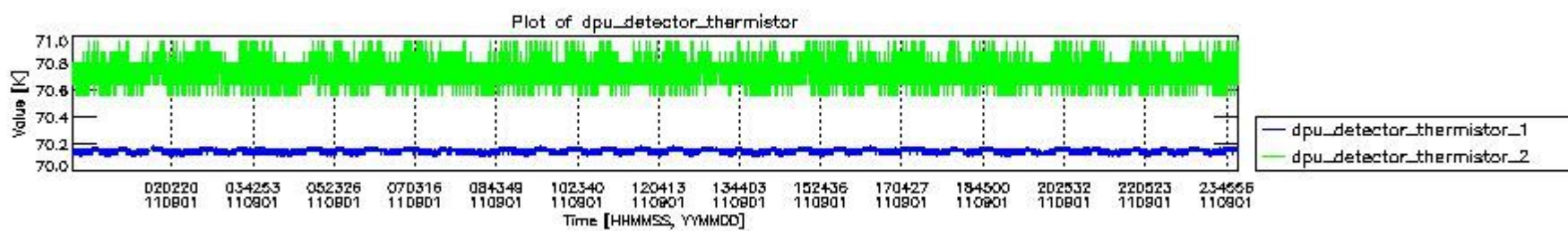
mipas_daily_report_level0_KSPT_L0_4504_N_20110901_0.PNG



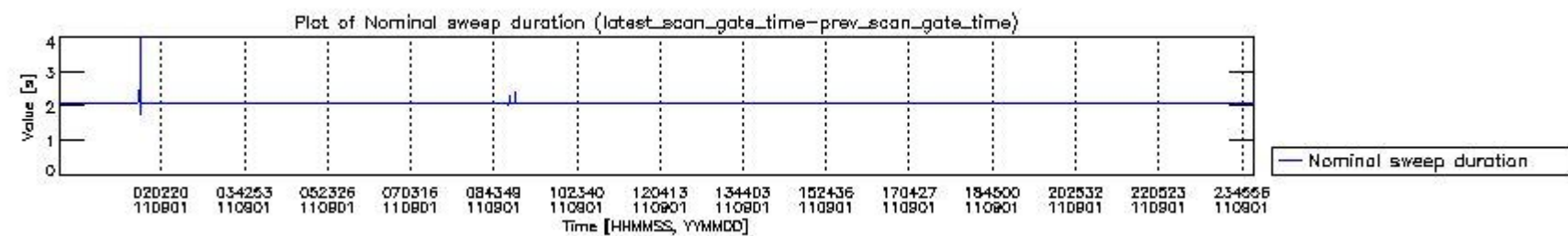
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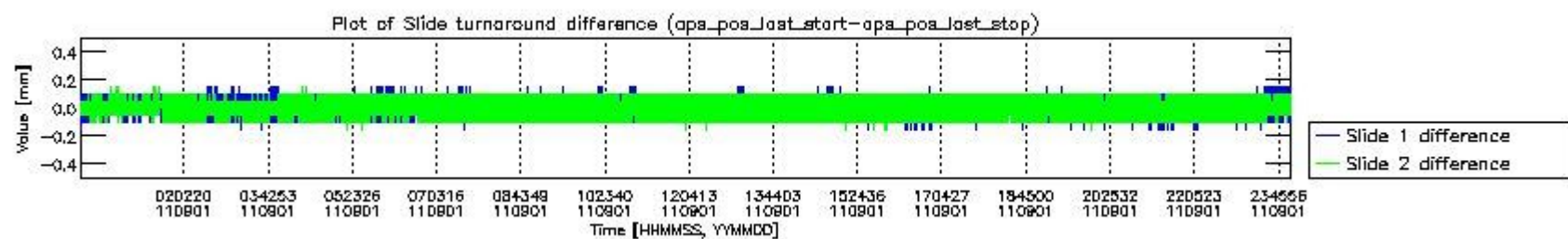
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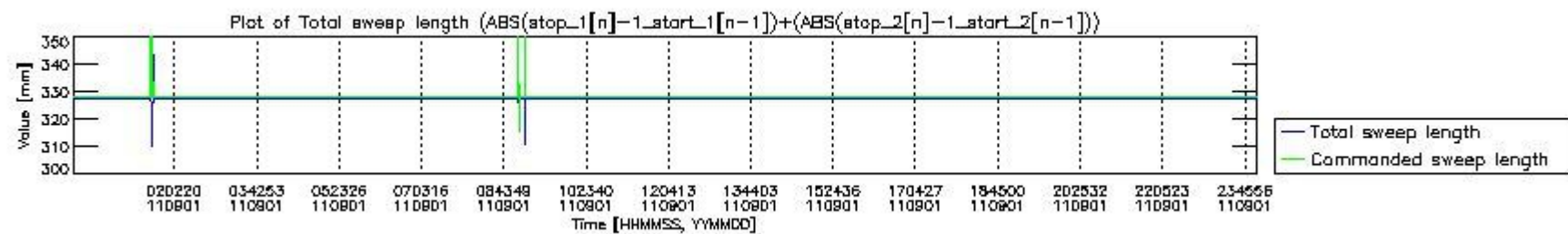
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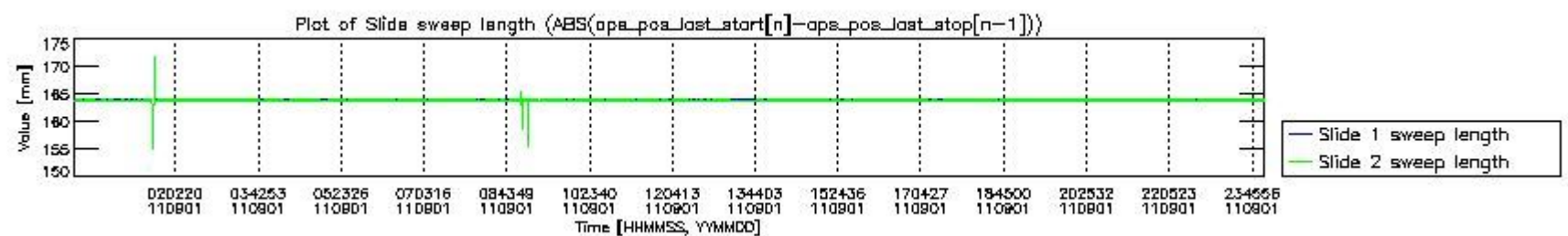
mipas_daily_report_level0_KSPT_L0_4504_N_20110901_4.PNG



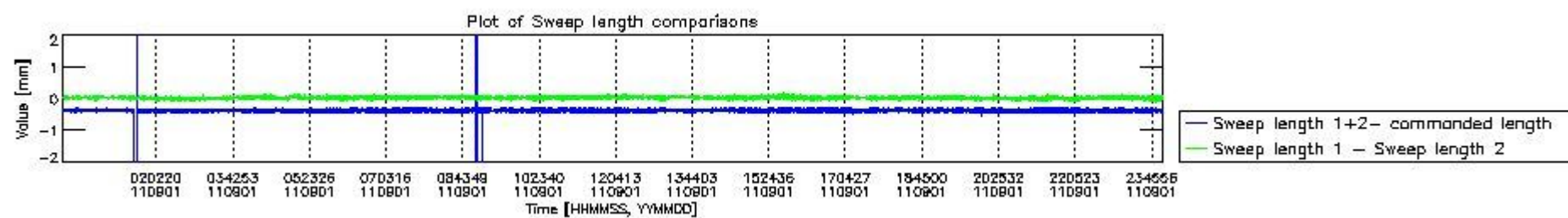
mipas_daily_report_level0_KSPT_L0_4504_N_20110901_5.PNG



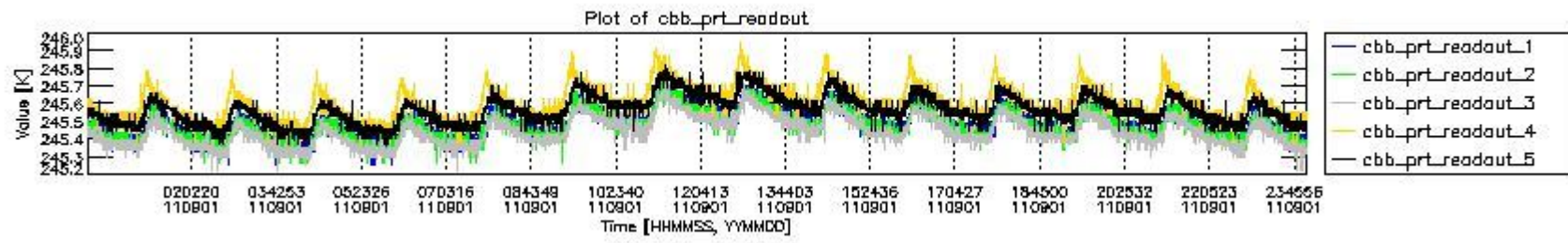
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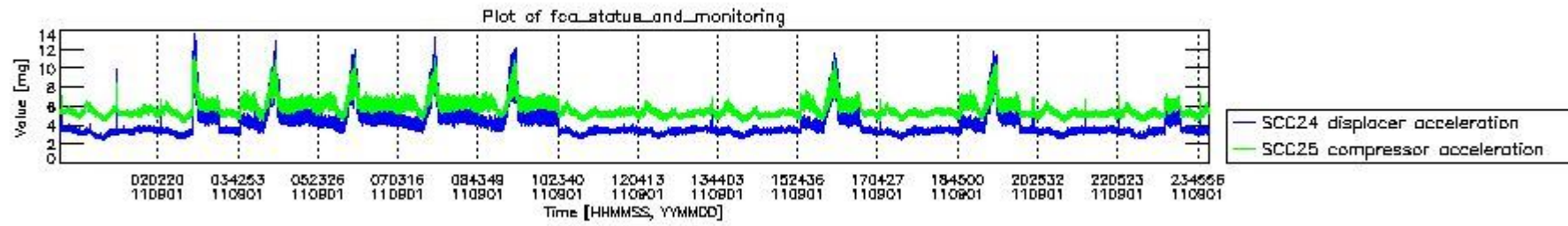
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mipas_daily_report_level0_KSPT_L0_4504_N_20110901_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20110901_9.PNG

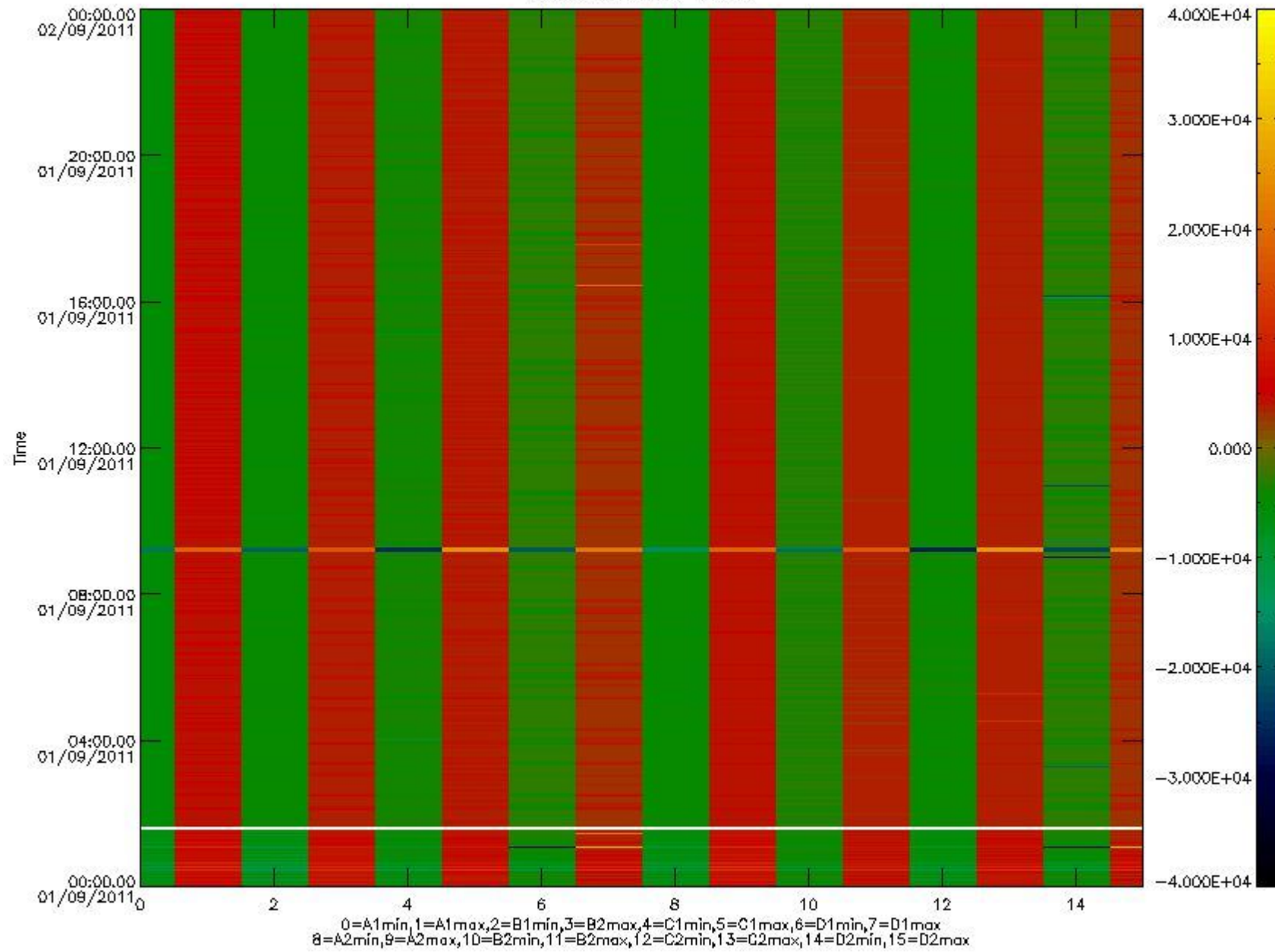


mipas_daily_report_level0_KSPT_L0_4504_N_20110901_10.PNG

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

Channel	Min	Max	ADC
A1	-18114	19180	16bit
B1	-20493	17650	16bit
C1	-25622	25463	16bit
D1	-32768	32767	16bit
A2	-15725	19397	16bit
B2	-18747	18412	16bit
C2	-26711	26232	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_20110901_11.PNG

0.3 ADF monitoring

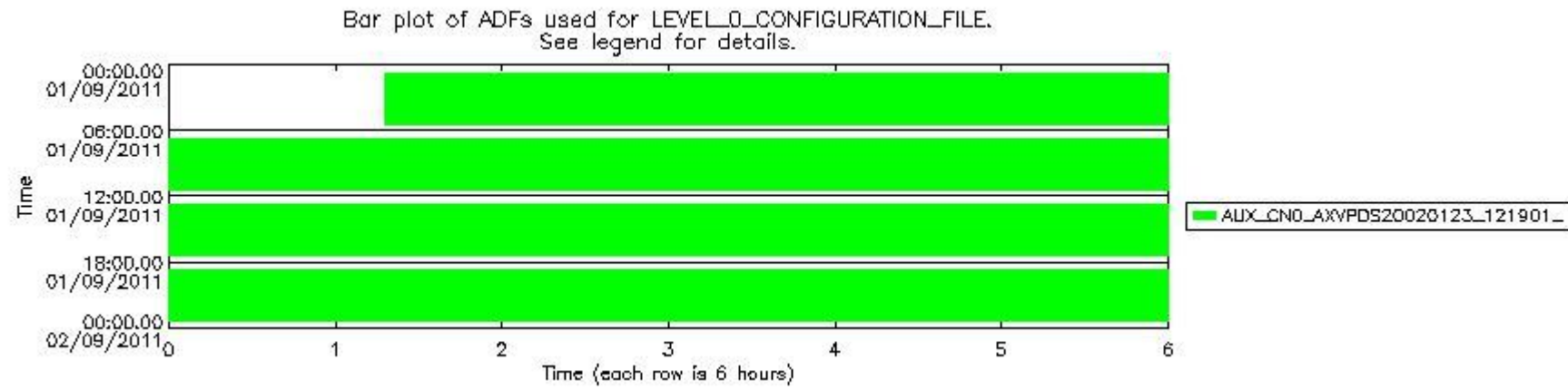
The use of ADFs is shown in two ways:

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.

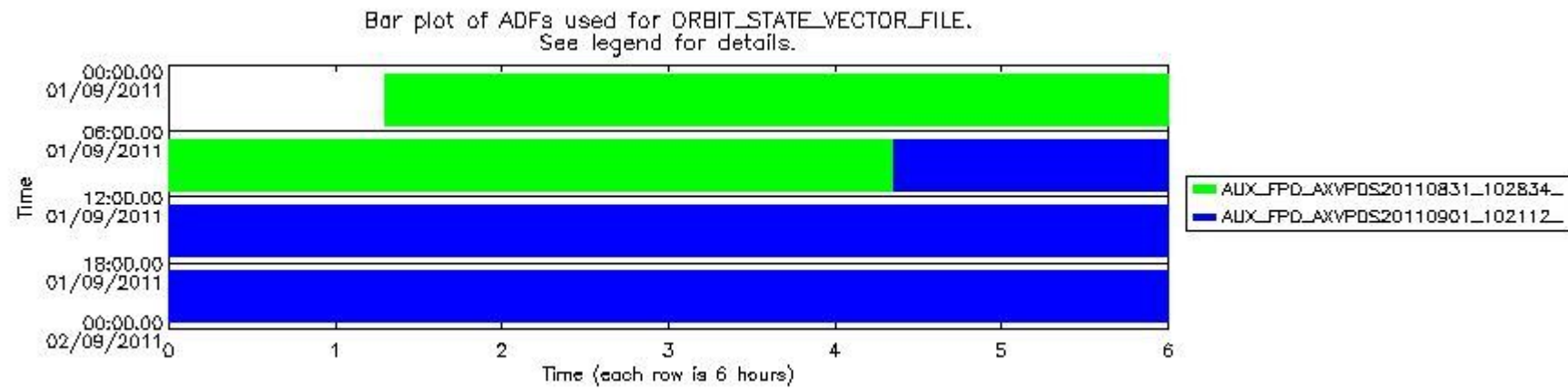
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110831_102834_20110830_192629_20110909_214013
2	AUX_FPO_AXVPDS20110901_102112_20110831_184944_20110910_210329

Number	Product name	#CN0	#FPO
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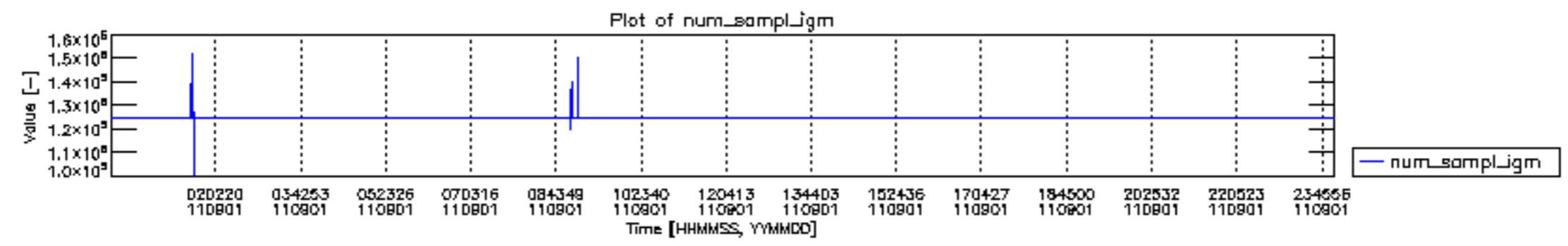
0	MIP_NL__0PNPDE20110901_011808_000102983106_00117_49700_9558.N1	0	1
1	MIP_NL__0PNPDE20110901_040913_000062313106_00119_49702_9559.N1	0	1
2	MIP_NL__0PNPDE20110901_055231_000061483106_00120_49703_9560.N1	0	1
3	MIP_NL__0PNPDK20110901_073423_000039403106_00121_49704_6199.N1	0	1
4	MIP_NL__0PNPDK20110901_083930_000061283106_00122_49705_6200.N1	0	1
5	MIP_NL__0PNPDK20110901_102054_000059433106_00123_49706_6201.N1	0	2
6	MIP_NL__0PNPDK20110901_115909_000059293106_00124_49707_6202.N1	0	2
7	MIP_NL__0PNPDK20110901_133724_000058323106_00125_49708_6203.N1	0	2
8	MIP_NL__0PNPDK20110901_151250_000059683106_00126_49709_6204.N1	0	2
9	MIP_NL__0PNPDK20110901_165118_000059623106_00127_49710_6205.N1	0	2
10	MIP_NL__0PNPDK20110901_182937_000059243106_00128_49711_6206.N1	0	2
11	MIP_NL__0PNPDE20110901_200656_000045003106_00129_49712_9561.N1	0	2
12	MIP_NL__0PNPDE20110901_212007_000061753106_00129_49712_9562.N1	0	2
13	MIP_NL__0PNPDE20110901_230203_000060963106_00130_49713_9563.N1	0	2

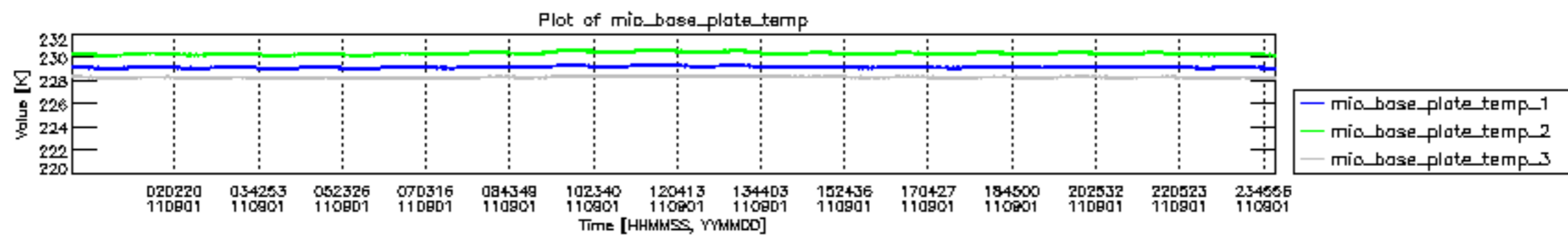


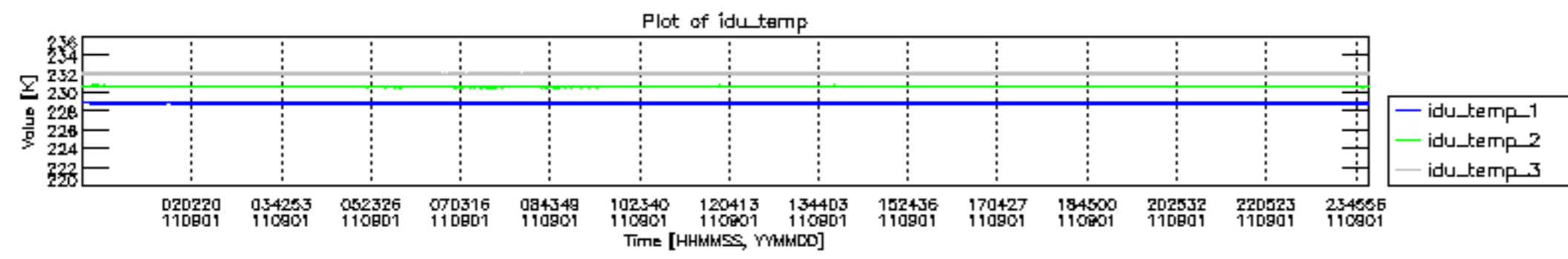
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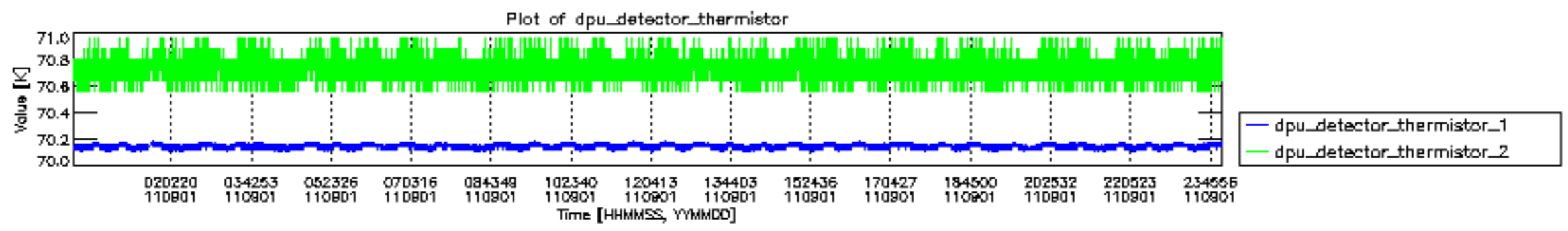


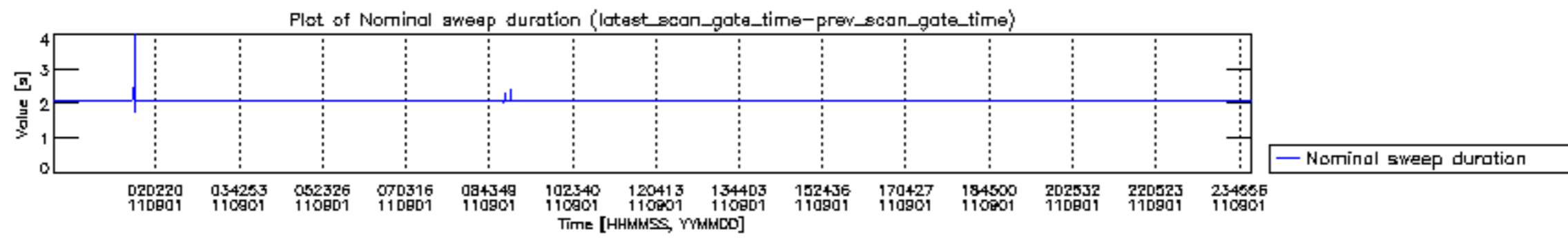
mipas_daily_report_level0_KSPT_L0_4504_N_20110901_13.PNG

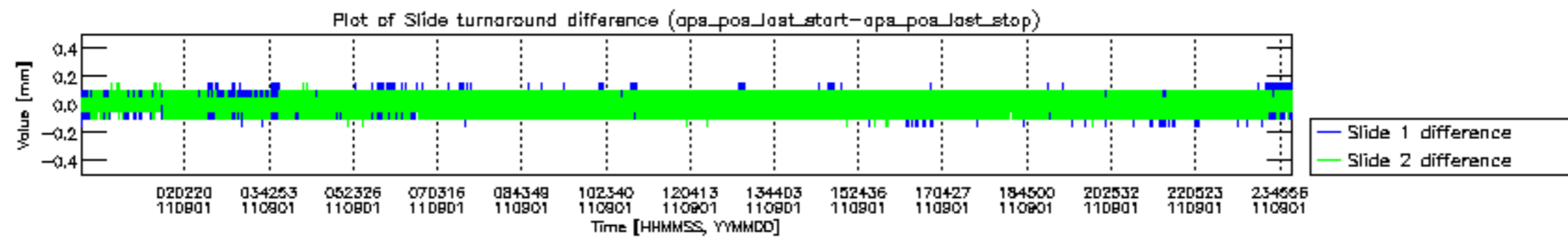


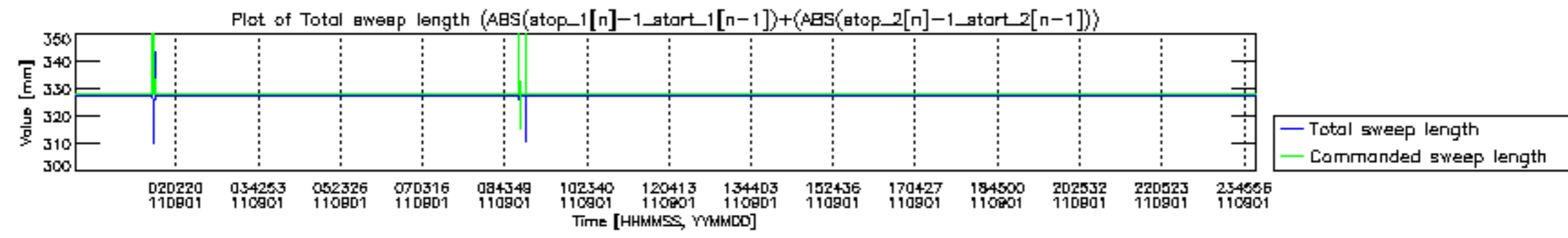


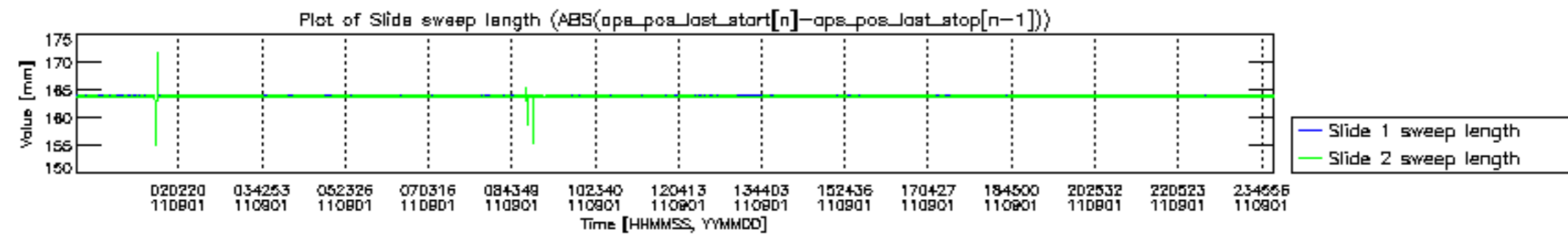


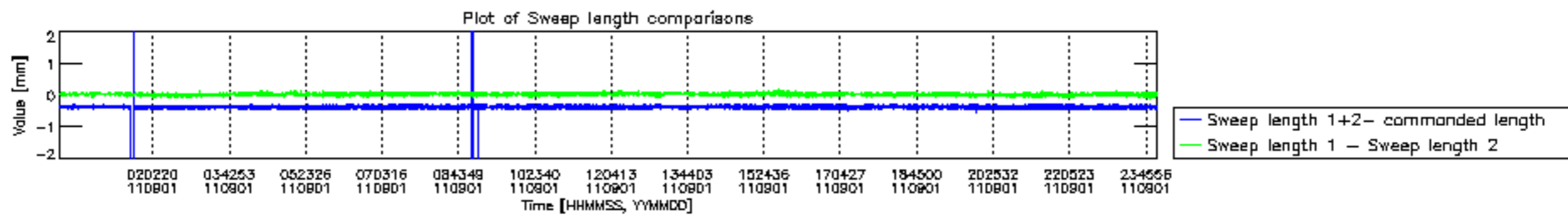


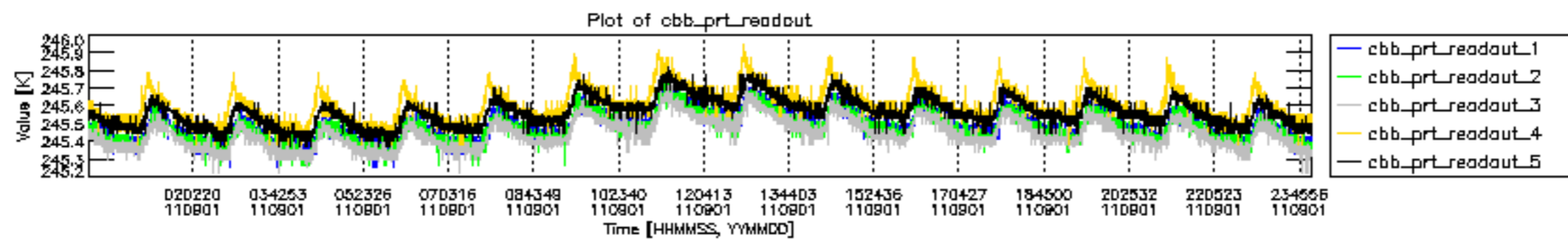


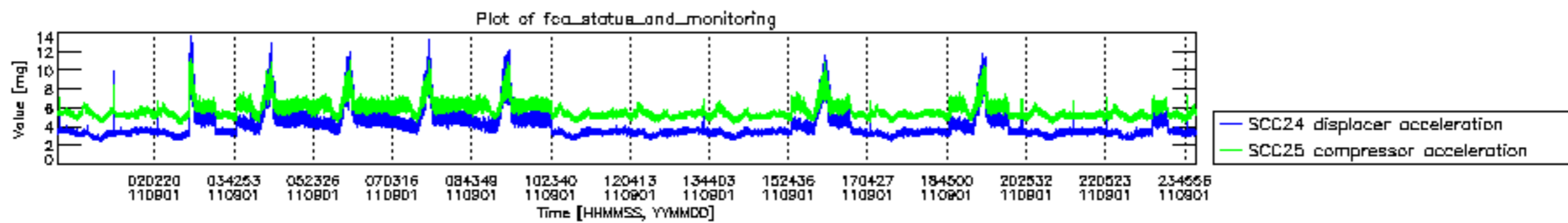












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

