

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	05MAR2011 05:24:32
Data source version	KSPT_L0/4504-N
Processing scope for products	28FEB2011 00:00:00 to 01MAR2011 00:00:00
Start time of first product within scope	28FEB2011 00:59:27
Stop time of last product within scope	28FEB2011 19:50:35
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__0PNPDE20110228_005927_000102193100_00045_47042_3003.N1	28FEB2011 00:59:27	28FEB2011 03:49:46	0	0	0	0	0
1	MIP_NL__0PNPDE20110228_011854_000013913100_00046_47043_3005.N1	28FEB2011 01:18:54	28FEB2011 01:42:06	0	0	0	0	0
2	MIP_NL__0PNPDE20110228_014208_000076583100_00046_47043_3006.N1	28FEB2011 01:42:08	28FEB2011 03:49:46	0	0	0	0	0
3	MIP_NL__0PNPDE20110228_034915_000062693100_00047_47044_3007.N1	28FEB2011 03:49:15	28FEB2011 05:33:44	0	0	0	0	0
4	MIP_NL__0PNPDE20110228_053311_000060363100_00048_47045_3008.N1	28FEB2011 05:33:11	28FEB2011 07:13:47	0	0	0	0	0
5	MIP_NL__0PNPDK20110228_071313_000040153100_00049_47046_4427.N1	28FEB2011 07:13:13	28FEB2011 08:20:08	0	0	0	0	0
6	MIP_NL__0PNPDK20110228_081912_000061313100_00050_47047_4428.N1	28FEB2011 08:19:12	28FEB2011 10:01:23	0	0	0	0	0
7	MIP_NL__0PNPDK20110228_095949_000059843100_00051_47048_4429.N1	28FEB2011 09:59:49	28FEB2011 11:39:34	0	0	0	0	0
8	MIP_NL__0PNPDK20110228_113804_000060213100_00052_47049_4430.N1	28FEB2011 11:38:04	28FEB2011 13:18:24	0	0	0	0	0
9	MIP_NL__0PNPDK20110228_131726_000060253100_00053_47050_4431.N1	28FEB2011 13:17:26	28FEB2011 14:57:51	0	0	0	0	0
10	MIP_NL__0PNPDK20110228_145650_000058303100_00054_47051_4432.N1	28FEB2011 14:56:50	28FEB2011 16:34:01	0	0	0	0	0
11	MIP_NL__0PNPDK20110228_163220_000059873100_00055_47052_4433.N1	28FEB2011 16:32:20	28FEB2011 18:12:08	0	0	0	0	0
12	MIP_NL__0PNPDK20110228_181105_000059703100_00056_47053_4434.N1	28FEB2011 18:11:05	28FEB2011 19:50:35	0	0	0	0	0

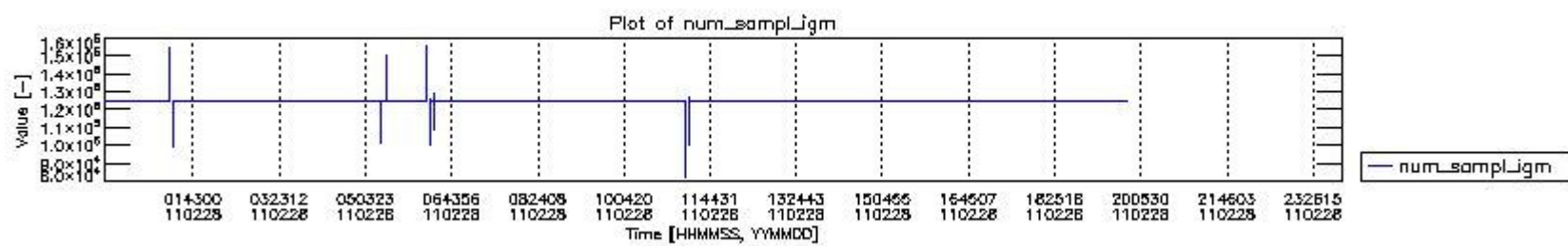
0.2 Instrument Operational Performance Parameters

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.

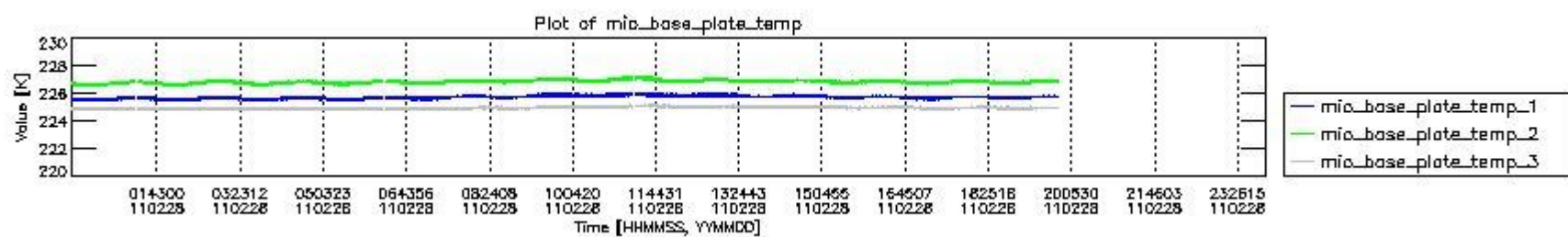
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
82296	1	0.0029351335
93482	1	0.0029351335
99070	1	0.0029351335
100185	1	0.0029351335
100483	1	0.0029351335

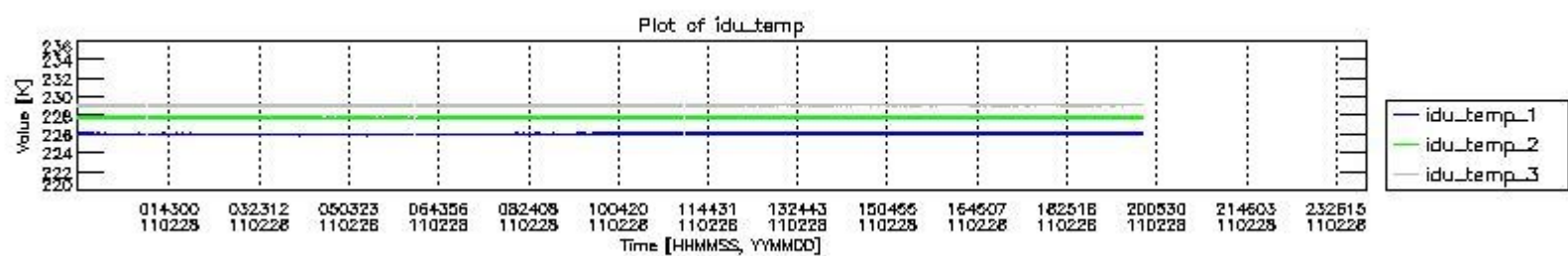
101476	1	0.0029351335
103072	1	0.0029351335
109317	1	0.0029351335
113614	1	0.0029351335
113966	1	0.0029351335
123204	1	0.0029351335
123844	1	0.0029351335
124322	1	0.0029351335
124800	31727	93.122982
124803	2316	6.7977693
125437	1	0.0029351335
125735	1	0.0029351335
126074	1	0.0029351335
126670	1	0.0029351335
127308	1	0.0029351335
129449	1	0.0029351335
129538	1	0.0029351335
130430	1	0.0029351335
147440	1	0.0029351335
149670	1	0.0029351335
149948	1	0.0029351335
150562	1	0.0029351335
154408	1	0.0029351335
156192	1	0.0029351335



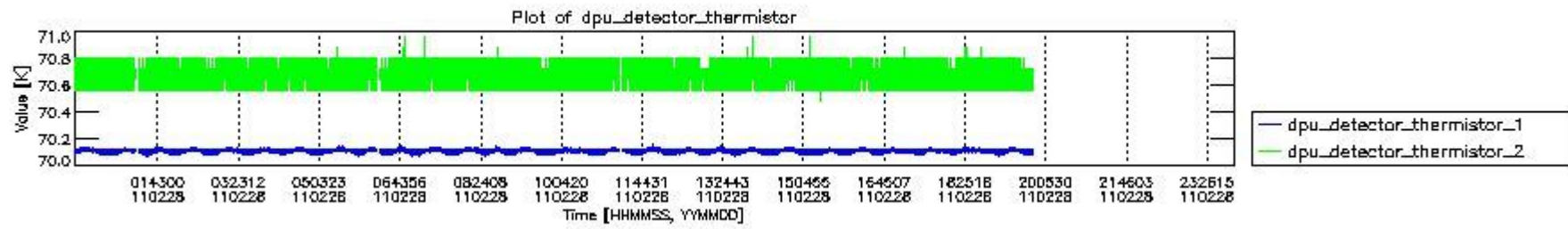
mipas_daily_report_level0_KSPT_L0_4504_N_20110228_0.PNG



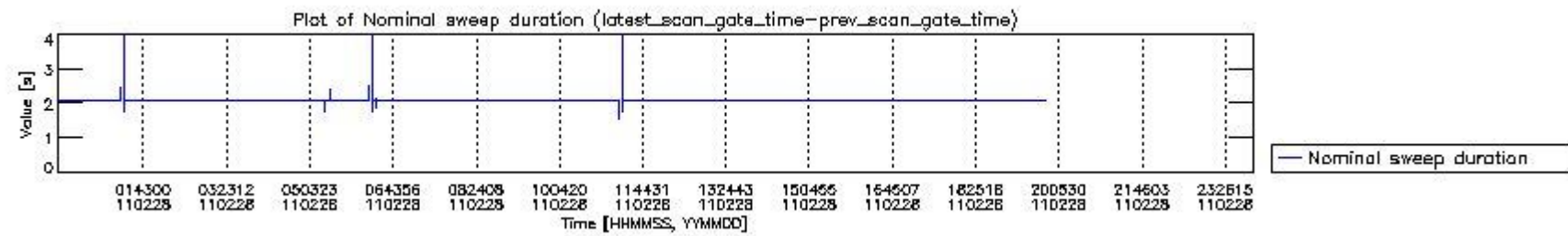
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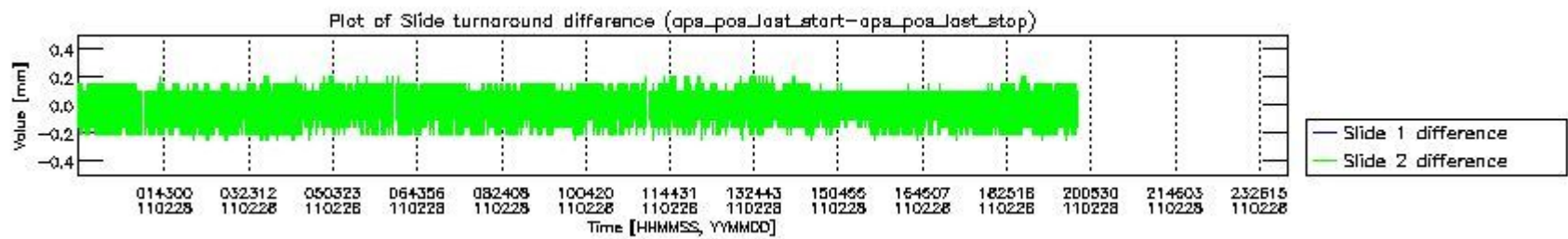
mipas_daily_report_level0_KSPT_L0_4504_N_20110228_2.PNG



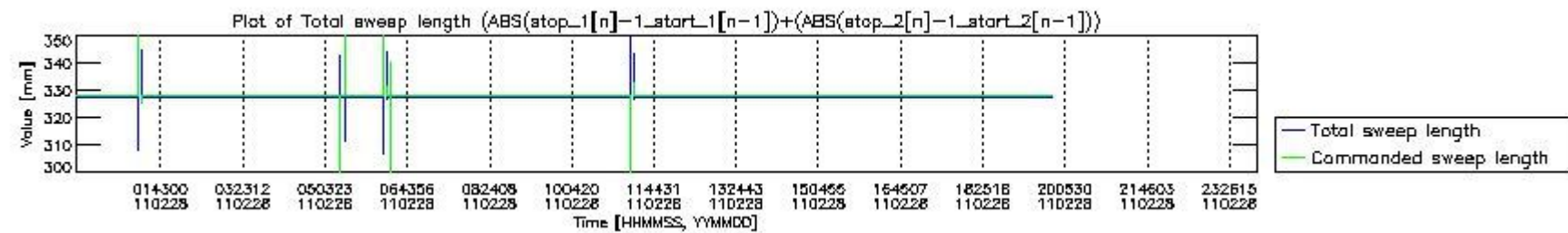
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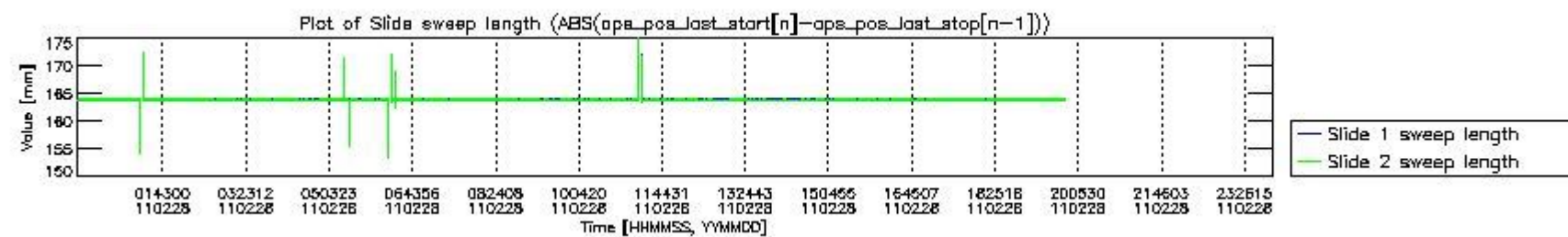
mipas_daily_report_level0_KSPT_L0_4504_N_20110228_4.PNG



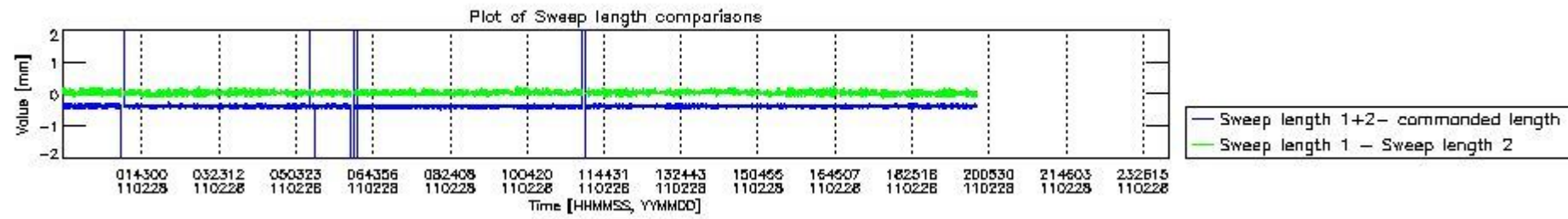
mipas_daily_report_level0_KSPT_L0_4504_N_20110228_5.PNG



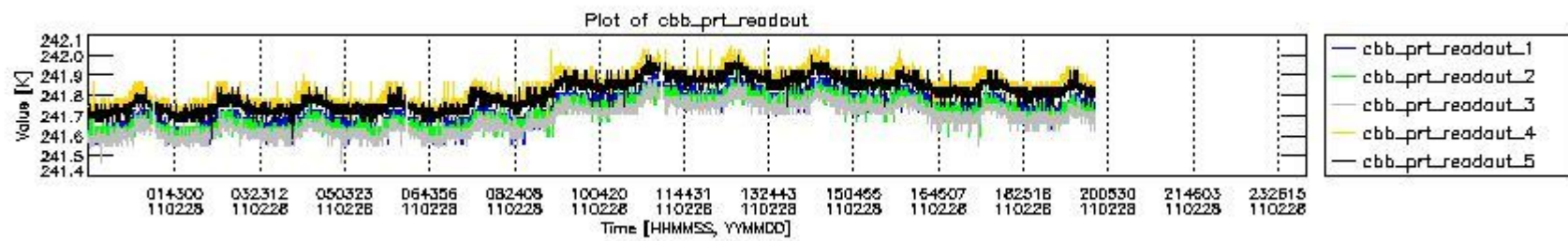
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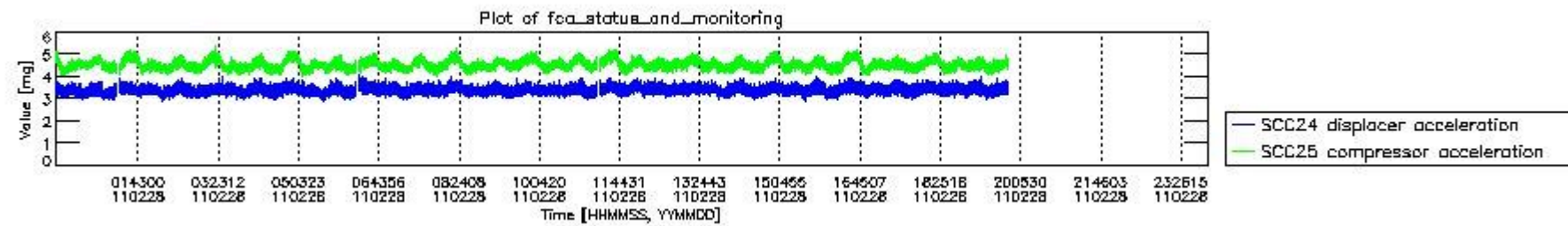
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mipas_daily_report_level0_KSPT_L0_4504_N_20110228_8.PNG



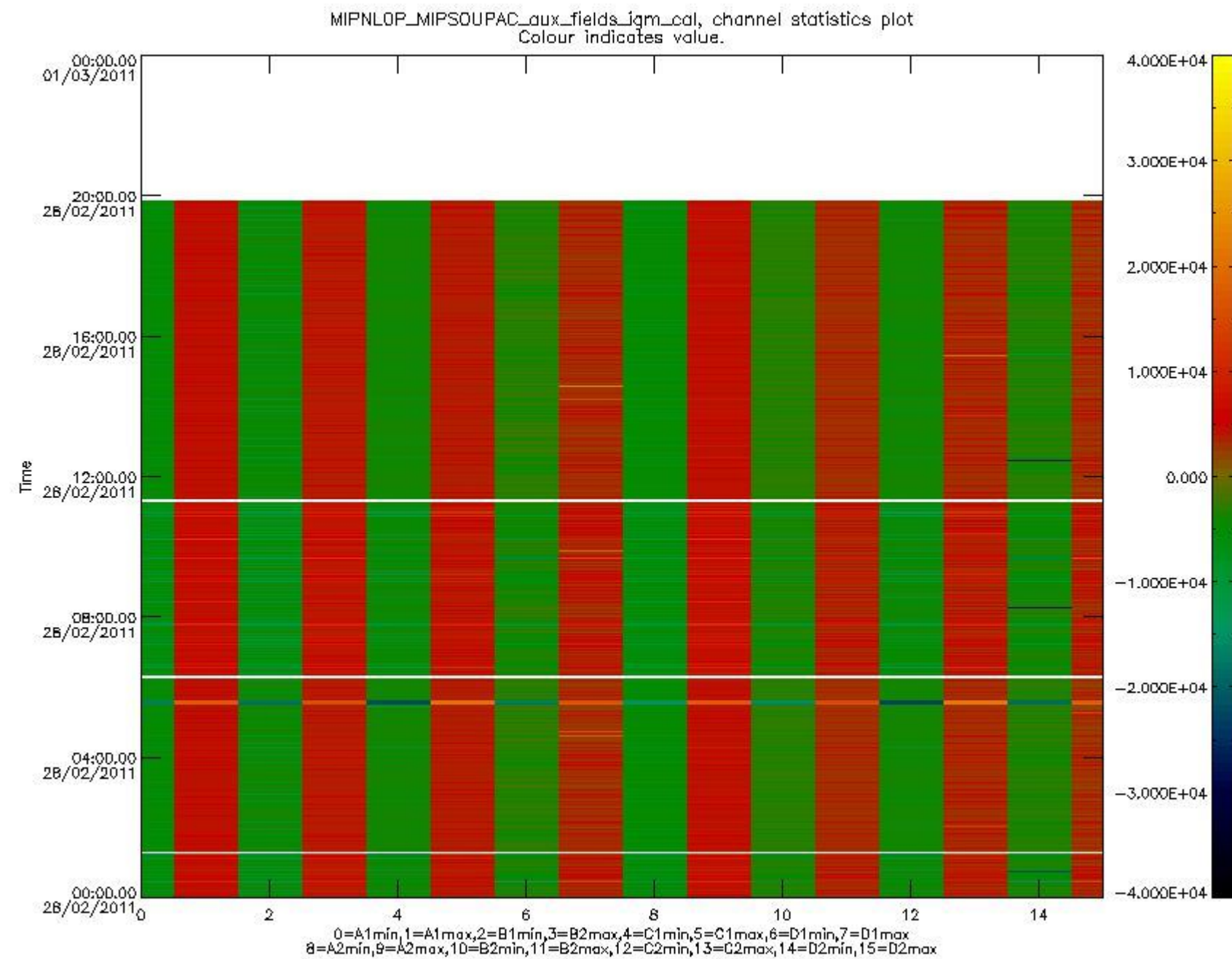
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mipas_daily_report_level0_KSPT_L0_4504_N_20110228_10.PNG

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

Channel	Min	Max	ADC
A1	-17419	18430	16bit
B1	-18860	16406	16bit
C1	-22985	21872	16bit
D1	-19184	32767	16bit
A2	-15130	18558	16bit
B2	-16945	16674	16bit
C2	-22943	23484	16bit
D2	-32768	23900	16bit



mipas_daily_report_level0_KSPT_L0_4504_N_20110228_11.PNG

0.3 ADF monitoring

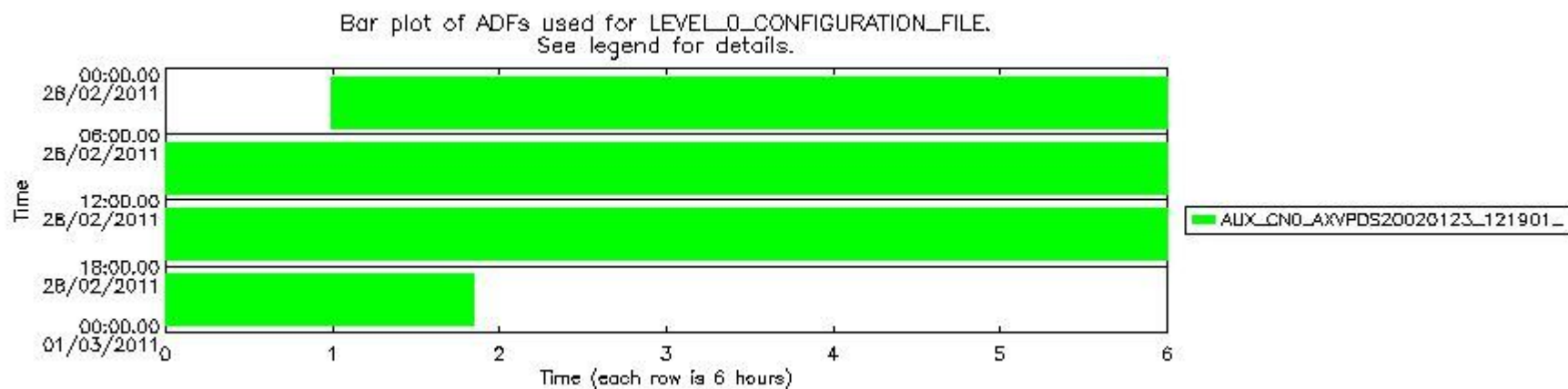
The use of ADFs is shown in two ways:

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.

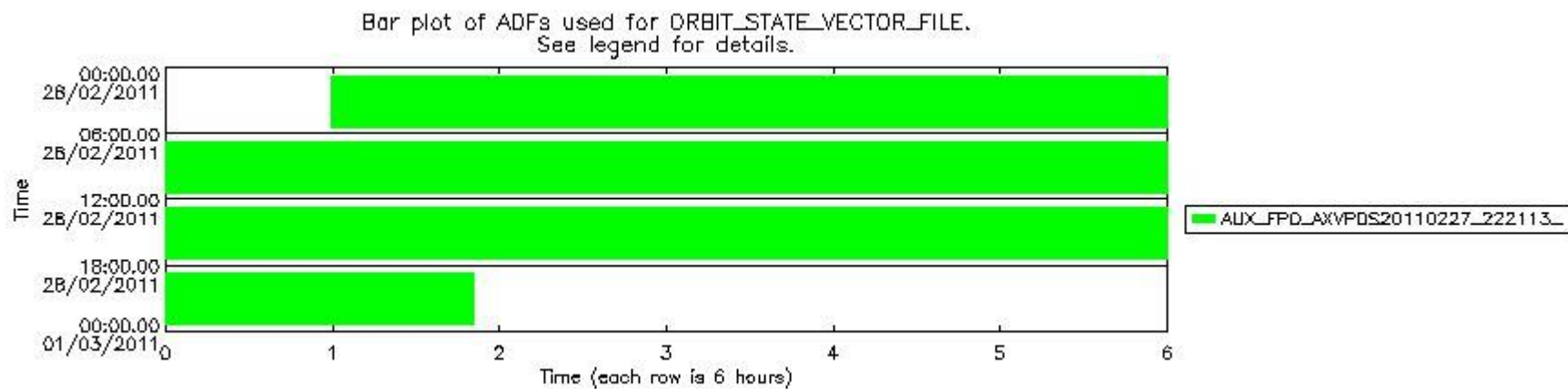
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20110227_222113_20110227_183008_20110309_204358

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20110228_005927_000102193100_00045_47042_3003.N1	0	1

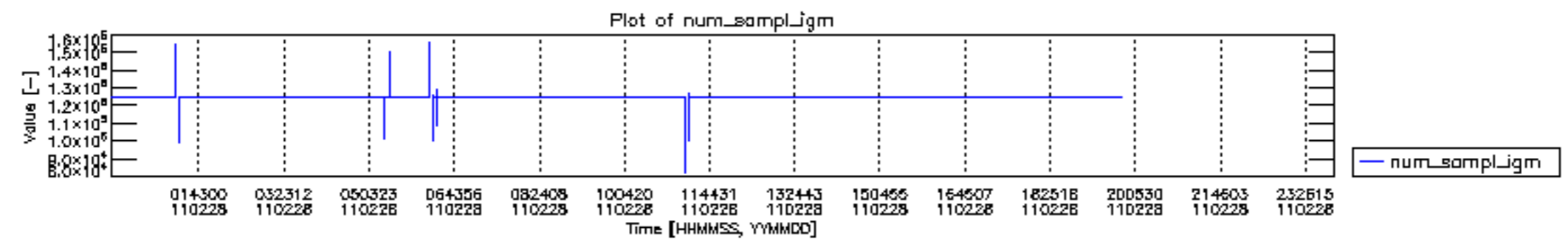
1	MIP_NL__0PNPDE20110228_011854_000013913100_00046_47043_3005.N1	0	1
2	MIP_NL__0PNPDE20110228_014208_000076583100_00046_47043_3006.N1	0	1
3	MIP_NL__0PNPDE20110228_034915_000062693100_00047_47044_3007.N1	0	1
4	MIP_NL__0PNPDE20110228_053311_000060363100_00048_47045_3008.N1	0	1
5	MIP_NL__0PNPDK20110228_071313_000040153100_00049_47046_4427.N1	0	1
6	MIP_NL__0PNPDK20110228_081912_000061313100_00050_47047_4428.N1	0	1
7	MIP_NL__0PNPDK20110228_095949_000059843100_00051_47048_4429.N1	0	1
8	MIP_NL__0PNPDK20110228_113804_000060213100_00052_47049_4430.N1	0	1
9	MIP_NL__0PNPDK20110228_131726_000060253100_00053_47050_4431.N1	0	1
10	MIP_NL__0PNPDK20110228_145650_000058303100_00054_47051_4432.N1	0	1
11	MIP_NL__0PNPDK20110228_163220_000059873100_00055_47052_4433.N1	0	1
12	MIP_NL__0PNPDK20110228_181105_000059703100_00056_47053_4434.N1	0	1

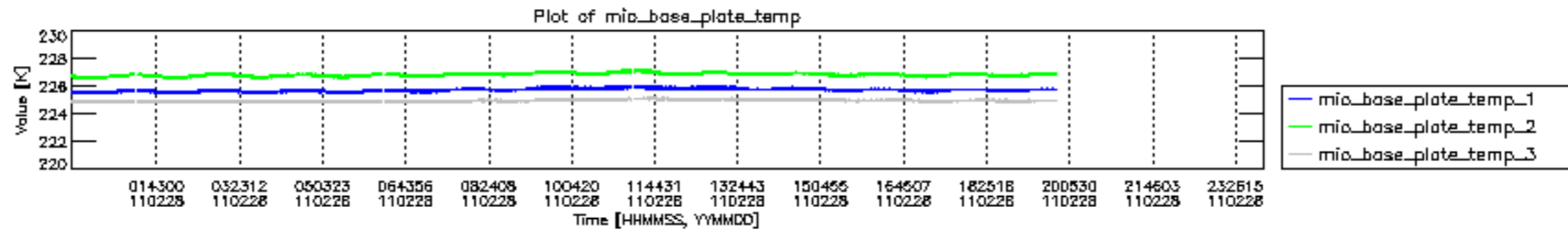


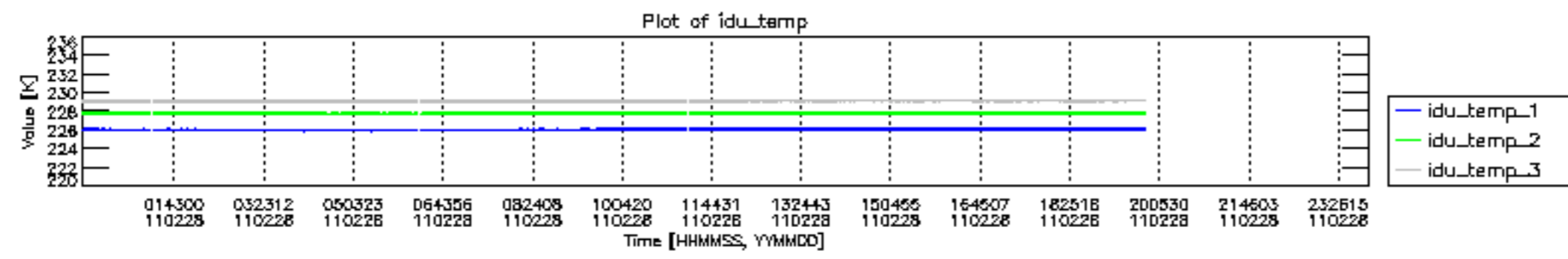
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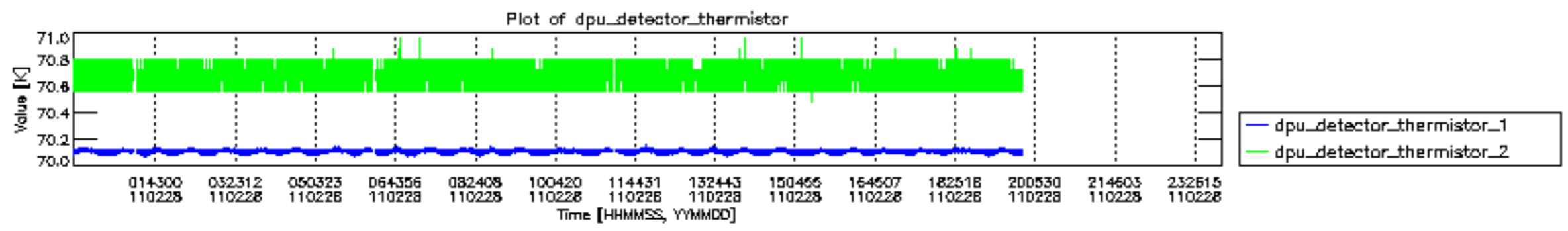


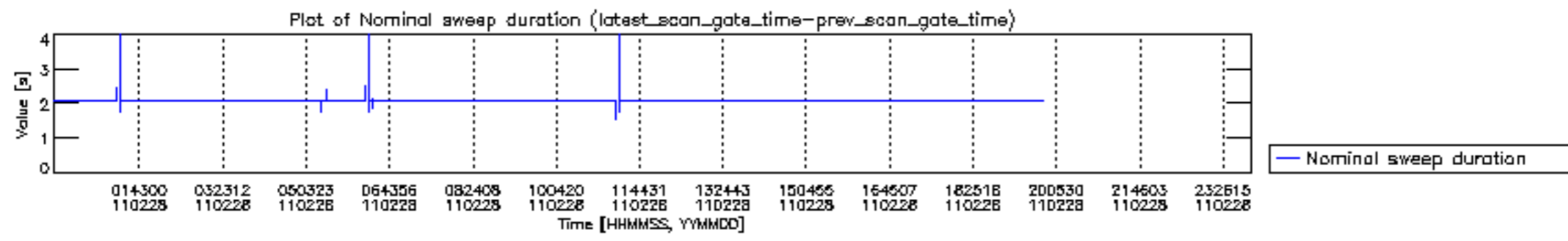
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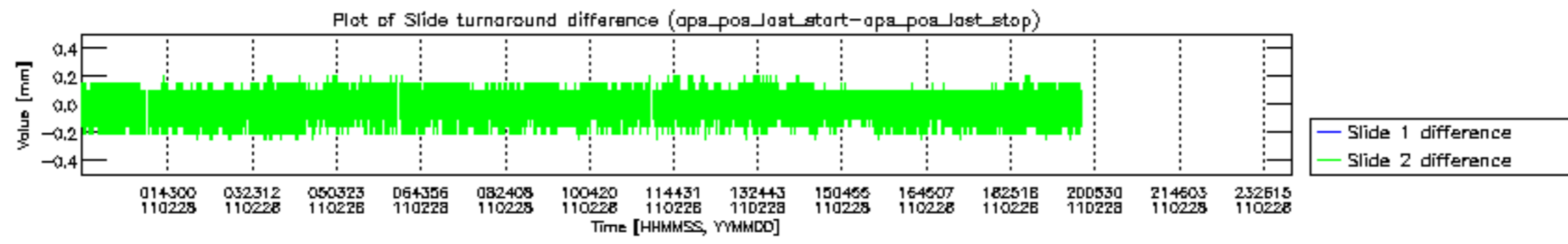


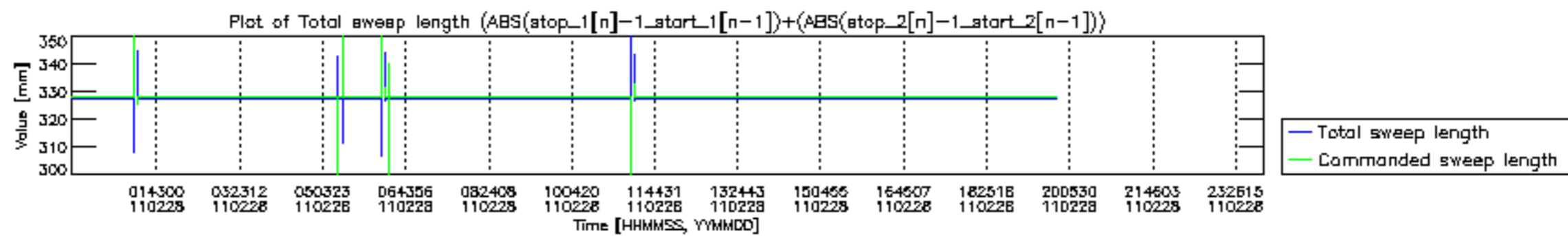


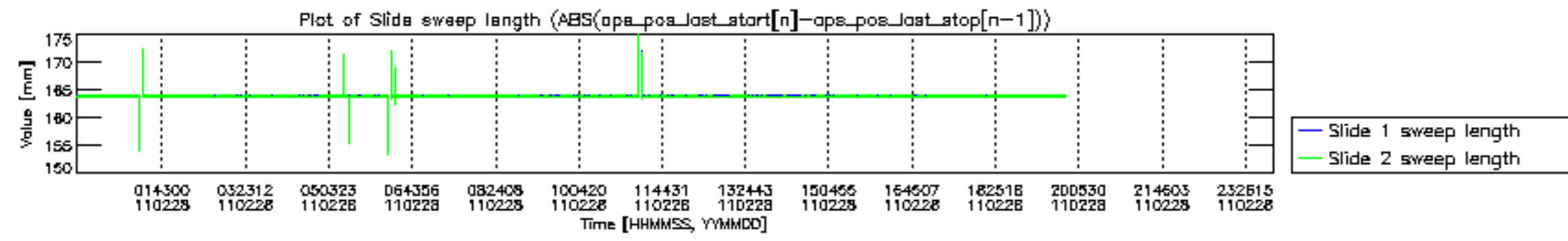


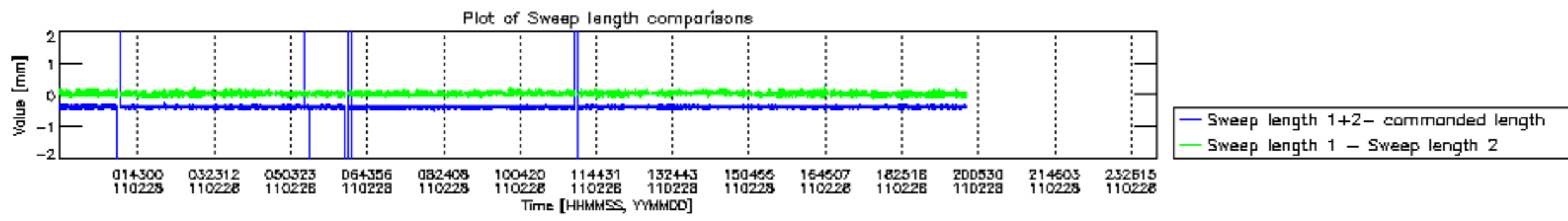


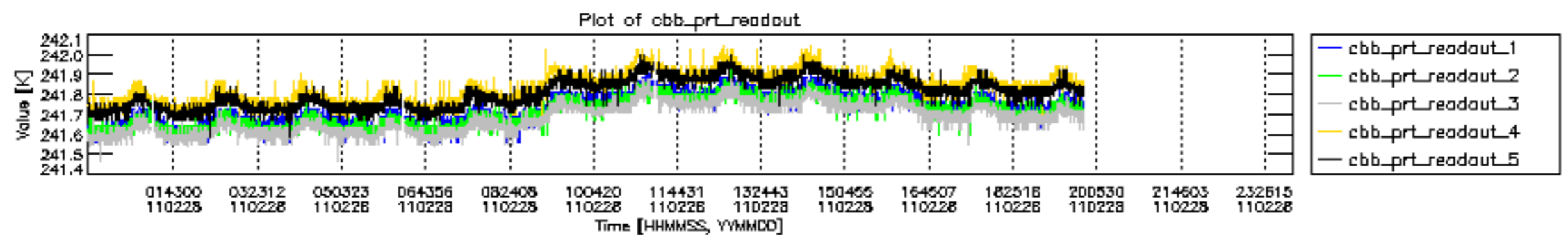


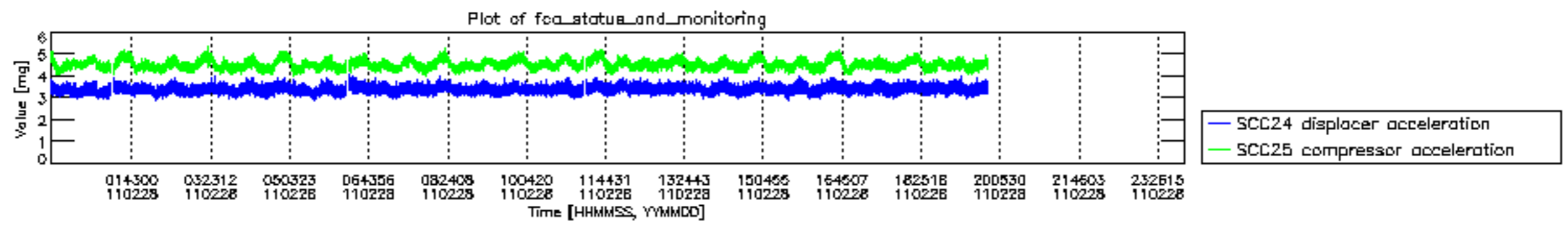












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

