

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	04JAN2011 05:24:10
Data source version	KSPT_L0/4504-N
Processing scope for products	30DEC2010 00:00:00 to 31DEC2010 00:00:00
Start time of first product within scope	30DEC2010 00:57:41
Stop time of last product within scope	31DEC2010 00:23:16
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__0PNPDE20101230_005741_000102593098_00045_46180_2620.N1	30DEC2010 00:57:41	30DEC2010 03:48:39	0	0	0	0	0
1	MIP_NL__0PNPDE20101230_034806_000062063098_00047_46182_2621.N1	30DEC2010 03:48:06	30DEC2010 05:31:32	0	0	0	0	0
2	MIP_NL__0PNPDE20101230_053059_000060503098_00048_46183_2622.N1	30DEC2010 05:30:59	30DEC2010 07:11:49	0	0	0	0	0
3	MIP_NL__0PNPDK20101230_071115_000040173098_00049_46184_3816.N1	30DEC2010 07:11:15	30DEC2010 08:18:13	0	0	0	0	0
4	MIP_NL__0PNPDK20101230_081714_000062413098_00050_46185_3817.N1	30DEC2010 08:17:14	30DEC2010 10:01:16	0	0	0	0	0
5	MIP_NL__0PNPDK20101230_095941_000059313098_00051_46186_3818.N1	30DEC2010 09:59:41	30DEC2010 11:38:32	0	0	0	0	0
6	MIP_NL__0PNPDK20101230_113736_000059623098_00052_46187_3819.N1	30DEC2010 11:37:36	30DEC2010 13:16:58	0	0	0	0	0
7	MIP_NL__0PNPDK20101230_131600_000060253098_00053_46188_3820.N1	30DEC2010 13:16:00	30DEC2010 14:56:24	0	0	0	0	0
8	MIP_NL__0PNPDK20101230_145530_000059163098_00054_46189_3821.N1	30DEC2010 14:55:30	30DEC2010 16:34:06	0	0	0	0	0
9	MIP_NL__0PNPDK20101230_163324_000057803098_00055_46190_3822.N1	30DEC2010 16:33:24	30DEC2010 18:09:45	0	0	0	0	0
10	MIP_NL__0PNPDK20101230_180840_000059143098_00056_46191_3823.N1	30DEC2010 18:08:40	30DEC2010 19:47:14	0	0	0	0	0
11	MIP_NL__0PNPDE20101230_194609_000041403098_00057_46192_2623.N1	30DEC2010 19:46:09	30DEC2010 20:55:10	0	0	0	0	0
12	MIP_NL__0PNPDE20101230_205336_000065143098_00057_46192_2624.N1	30DEC2010 20:53:36	30DEC2010 22:42:09	0	0	0	0	0
13	MIP_NL__0PNPDE20101230_224107_000061293098_00058_46193_2625.N1	30DEC2010 22:41:07	31DEC2010 00:23:16	0	0	0	0	0

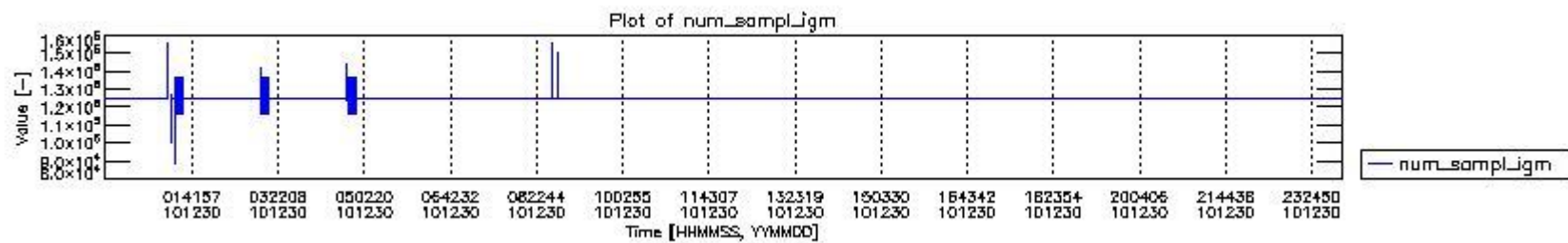
0.2 Instrument Operational Performance Parameters

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.

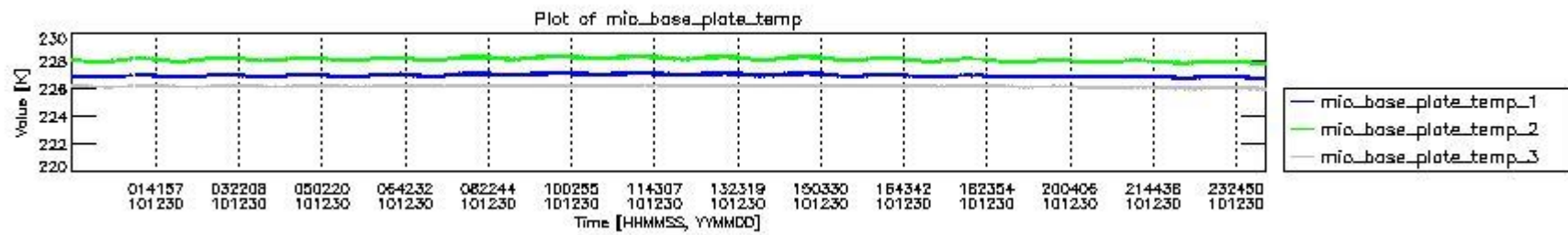
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
88542	1	0.0024128945
96605	1	0.0024128945
100632	1	0.0024128945
116008	9	0.021716051

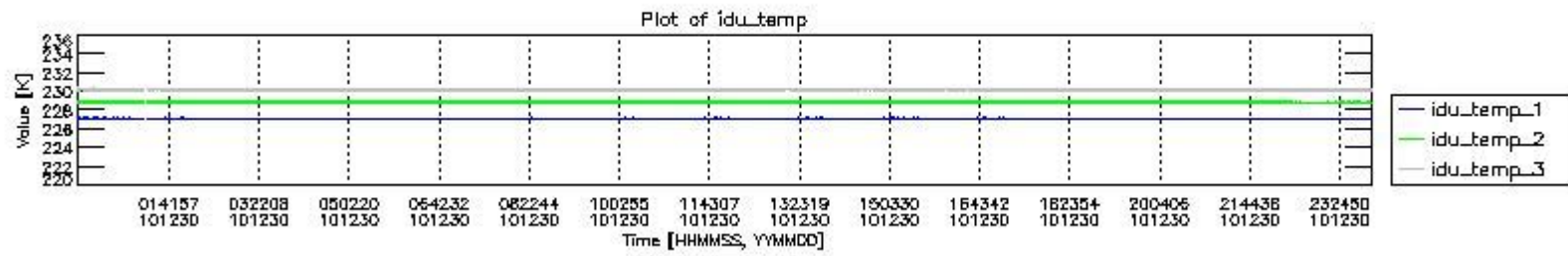
116082	34	0.082038413
116156	8	0.019303156
116231	2	0.0048257890
116305	1	0.0024128945
116737	1	0.0024128945
121660	1	0.0024128945
123370	1	0.0024128945
124800	38537	92.985716
124803	2724	6.5727246
125884	1	0.0024128945
126968	1	0.0024128945
127308	1	0.0024128945
127348	9	0.021716051
127496	34	0.082038413
127644	8	0.019303156
127794	2	0.0048257890
127942	1	0.0024128945
130133	1	0.0024128945
130356	1	0.0024128945
136140	9	0.021716051
136214	34	0.082038413
136288	8	0.019303156
136363	2	0.0048257890
136437	1	0.0024128945
138646	1	0.0024128945
141789	1	0.0024128945
142066	1	0.0024128945
143499	1	0.0024128945
147440	1	0.0024128945
149948	1	0.0024128945
150265	1	0.0024128945
150488	1	0.0024128945
155598	1	0.0024128945
156044	1	0.0024128945



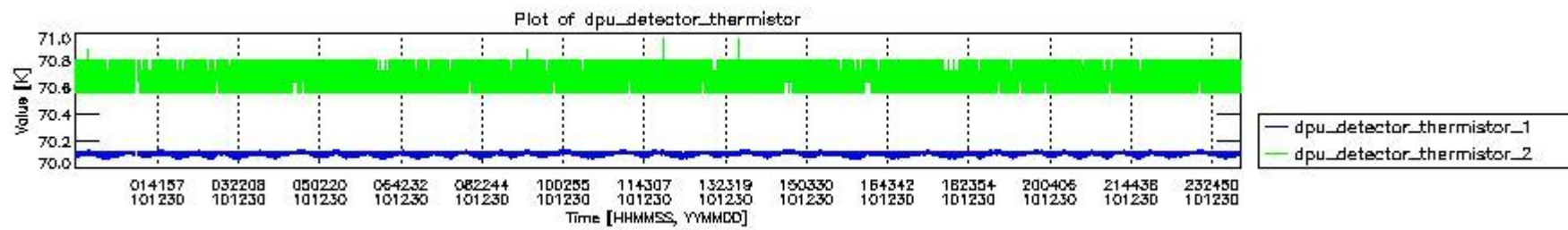
mipas_daily_report_level0_KSPT_L0_4504_N_20101230_0.PNG



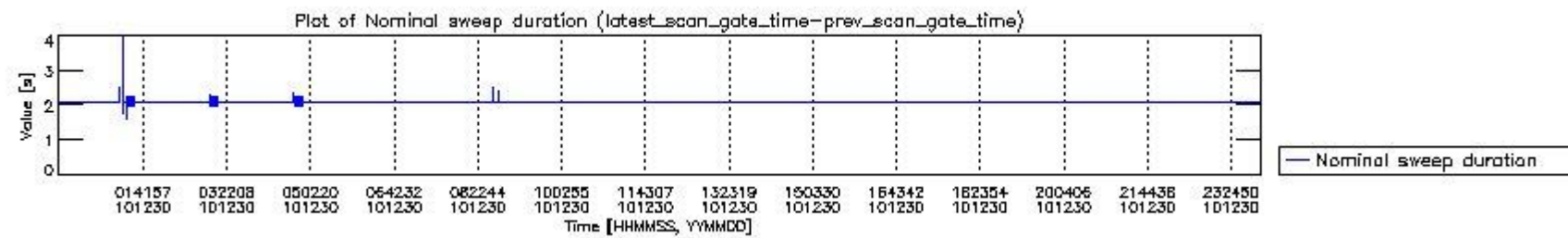
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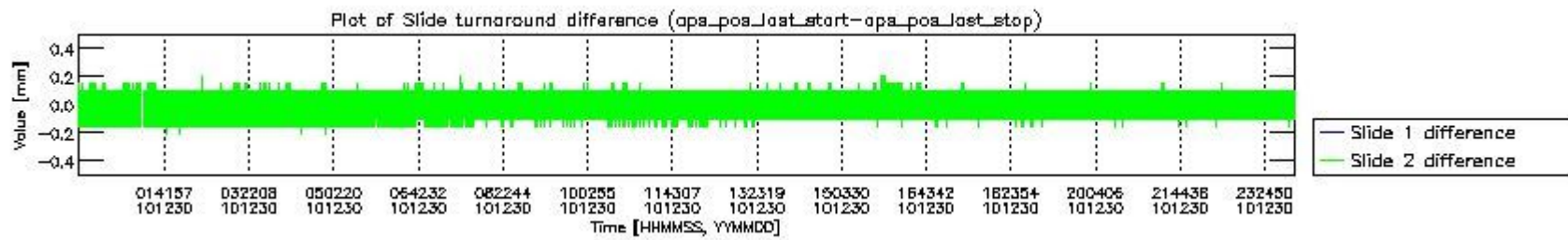
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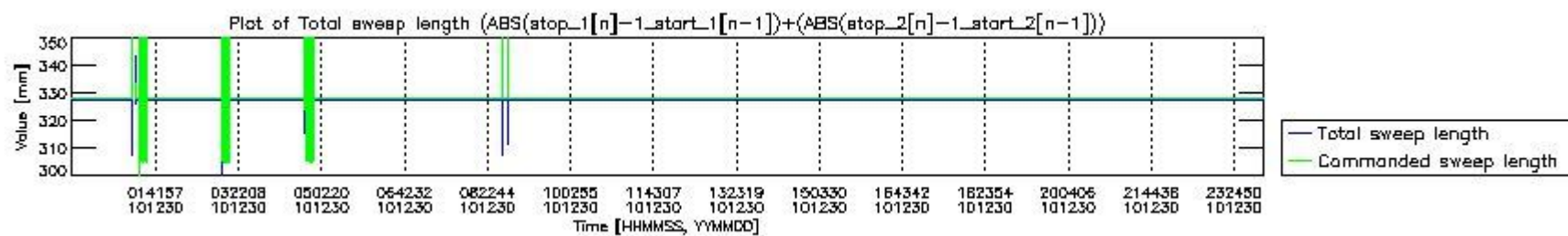
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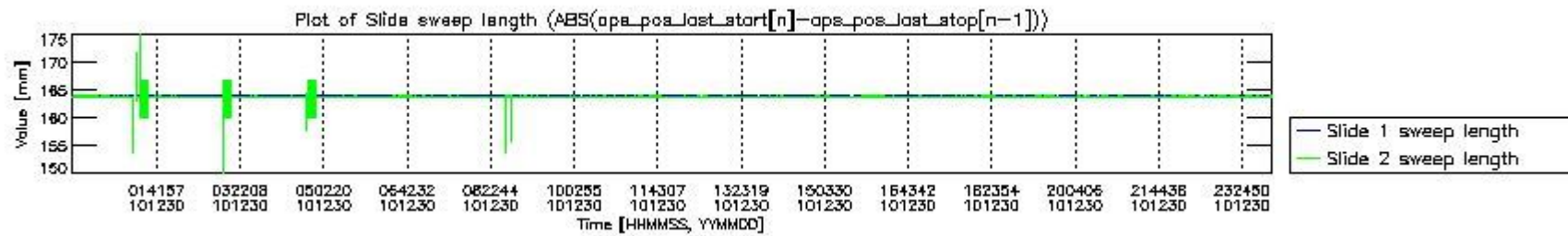
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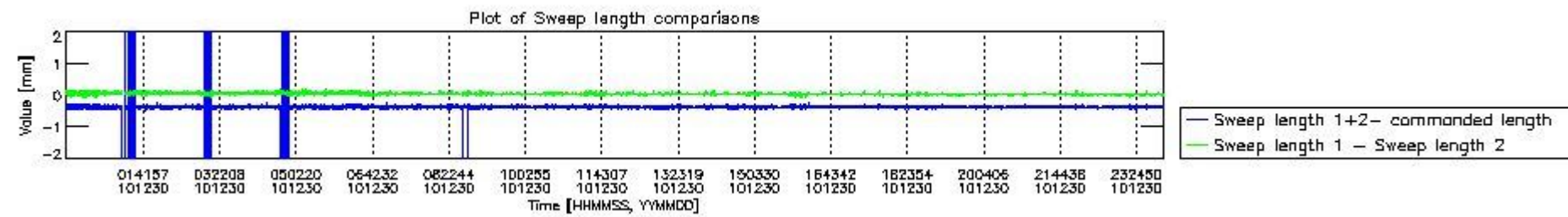
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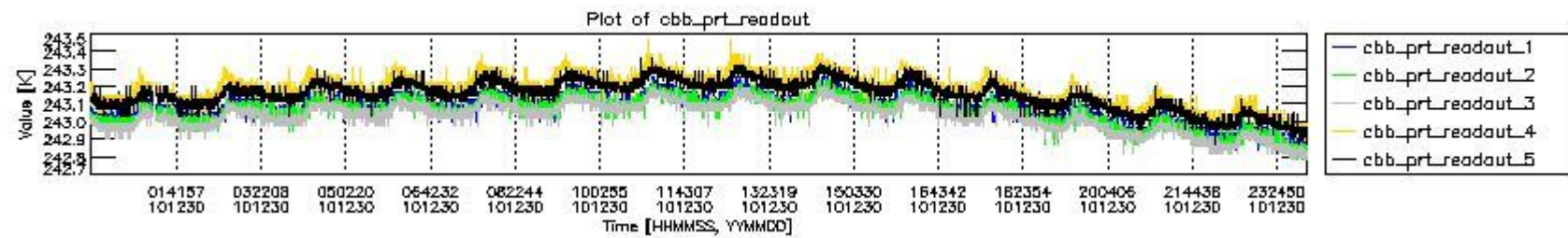
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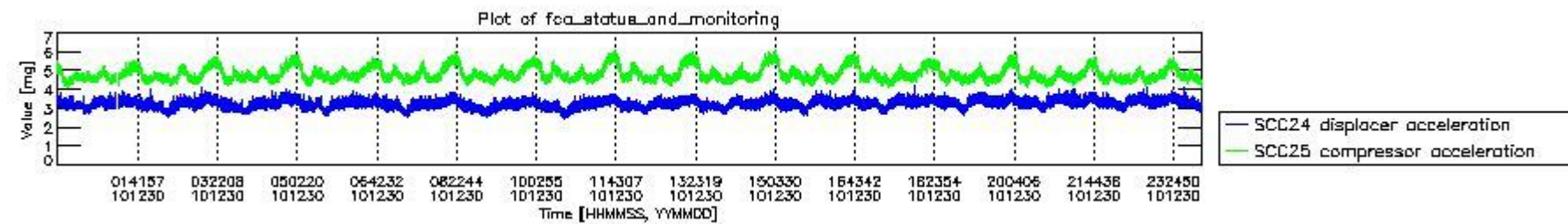
mipas_daily_report_level0_KSPT_L0_4504_N_20101230_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101230_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101230_9.PNG

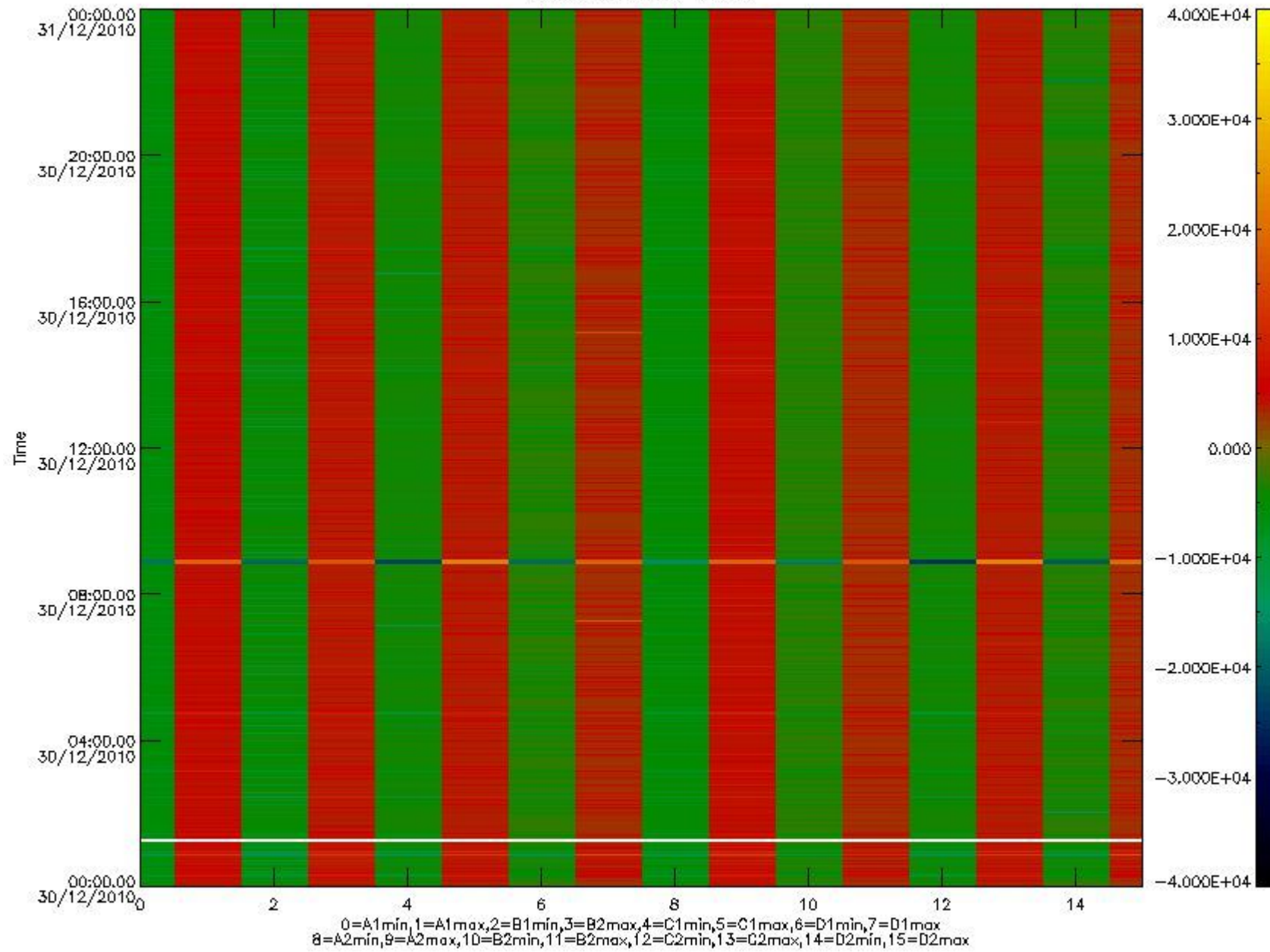


mipas_daily_report_level0_KSPT_L0_4504_N_20101230_10.PNG

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

Channel	Min	Max	ADC
A1	-18040	19130	16bit
B1	-19733	17053	16bit
C1	-24850	23381	16bit
D1	-20047	32767	16bit
A2	-15627	19272	16bit
B2	-17831	17477	16bit
C2	-24474	24711	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_20101230_11.PNG

0.3 ADF monitoring

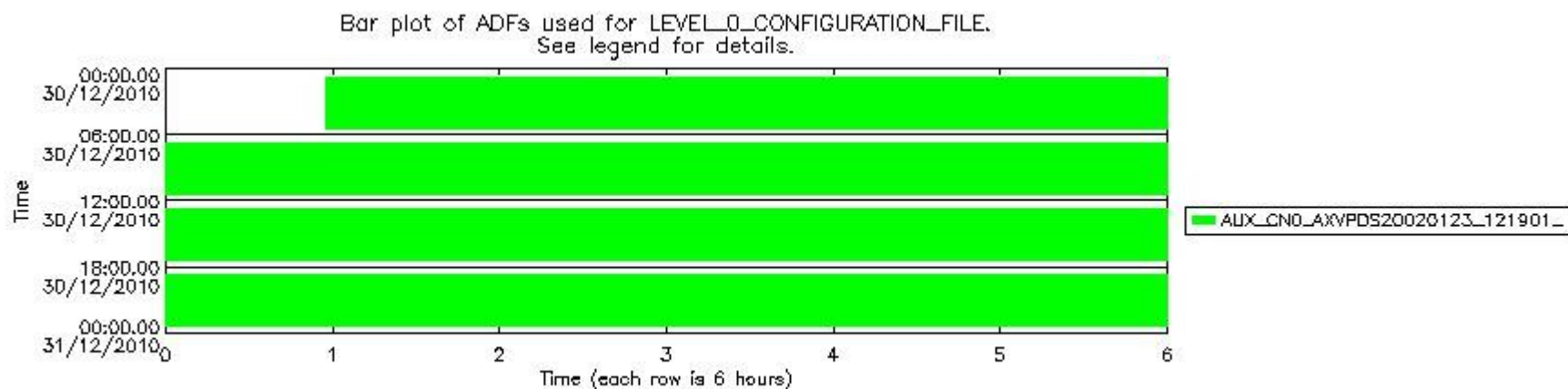
The use of ADFs is shown in two ways:

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.

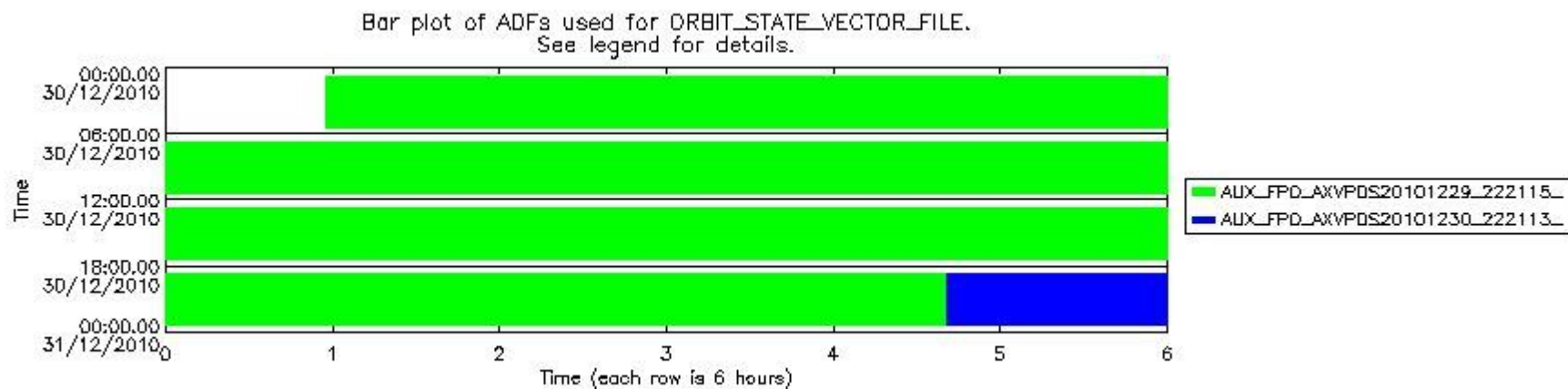
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101229_222115_20101229_182850_20110108_204243
2	AUX_FPO_AXVPDS20101230_222113_20101230_193220_20110109_200559

Number	Product name	#CN0	#FPO
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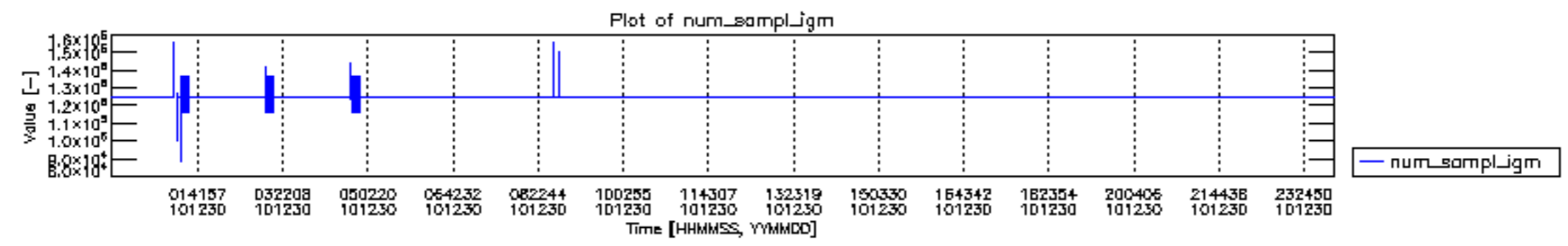
0	MIP_NL__0PNPDE20101230_005741_000102593098_00045_46180_2620.N1	0	1
1	MIP_NL__0PNPDE20101230_034806_000062063098_00047_46182_2621.N1	0	1
2	MIP_NL__0PNPDE20101230_053059_000060503098_00048_46183_2622.N1	0	1
3	MIP_NL__0PNPDK20101230_071115_000040173098_00049_46184_3816.N1	0	1
4	MIP_NL__0PNPDK20101230_081714_000062413098_00050_46185_3817.N1	0	1
5	MIP_NL__0PNPDK20101230_095941_000059313098_00051_46186_3818.N1	0	1
6	MIP_NL__0PNPDK20101230_113736_000059623098_00052_46187_3819.N1	0	1
7	MIP_NL__0PNPDK20101230_131600_000060253098_00053_46188_3820.N1	0	1
8	MIP_NL__0PNPDK20101230_145530_000059163098_00054_46189_3821.N1	0	1
9	MIP_NL__0PNPDK20101230_163324_000057803098_00055_46190_3822.N1	0	1
10	MIP_NL__0PNPDK20101230_180840_000059143098_00056_46191_3823.N1	0	1
11	MIP_NL__0PNPDE20101230_194609_000041403098_00057_46192_2623.N1	0	1
12	MIP_NL__0PNPDE20101230_205336_000065143098_00057_46192_2624.N1	0	1
13	MIP_NL__0PNPDE20101230_224107_000061293098_00058_46193_2625.N1	0	2

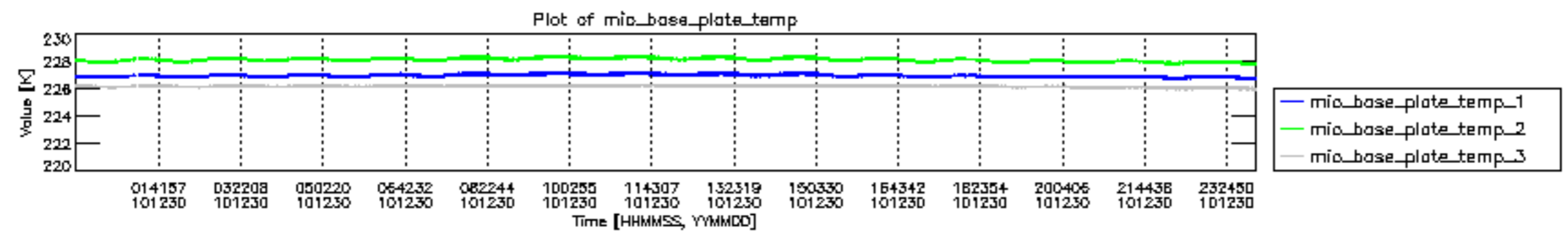


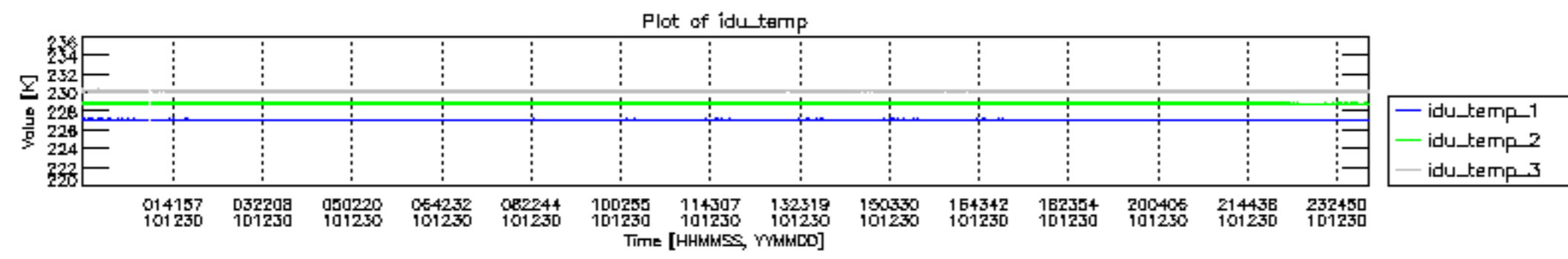
mipas_daily_report_level0_KSPT_L0_4504_N_20101230_12.PNG

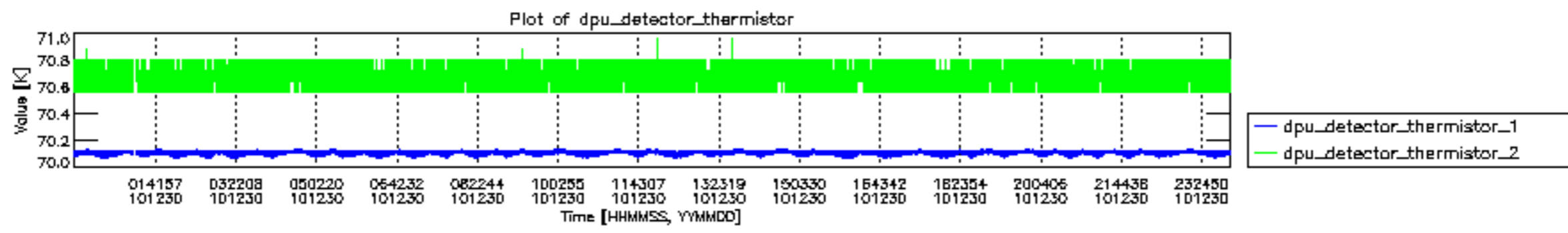


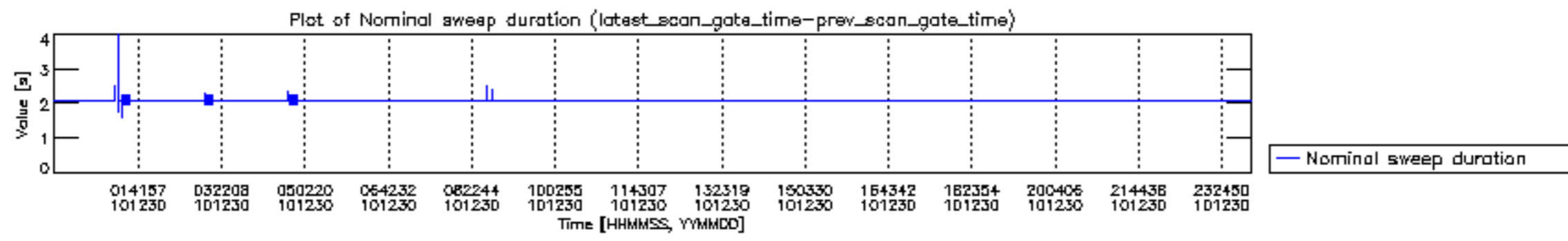
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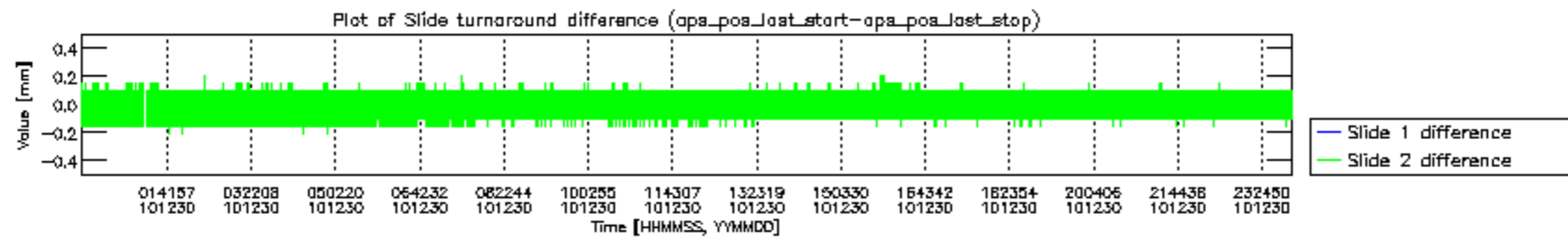


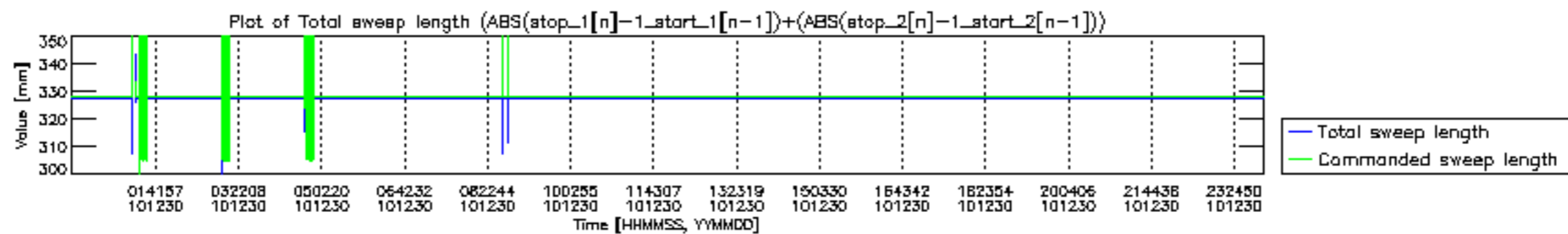


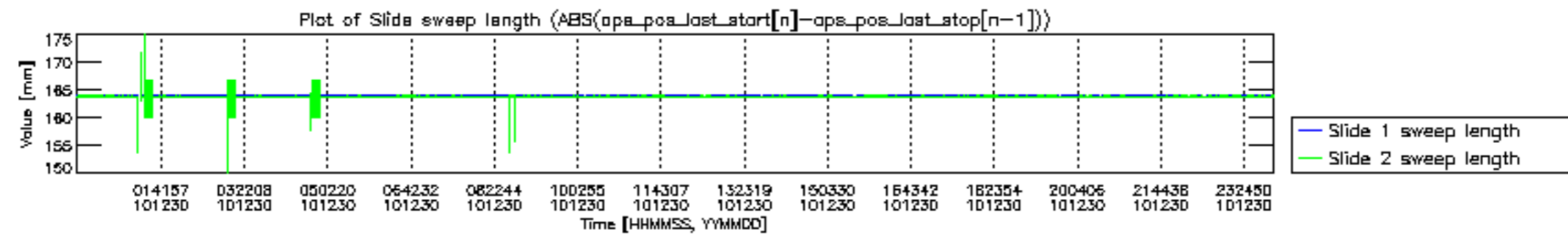


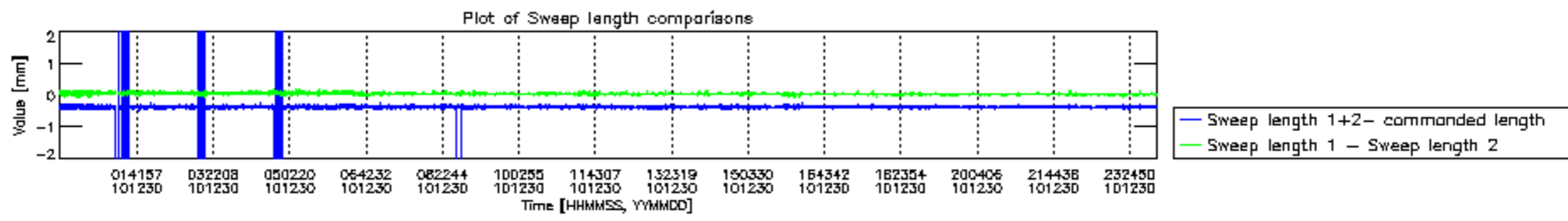


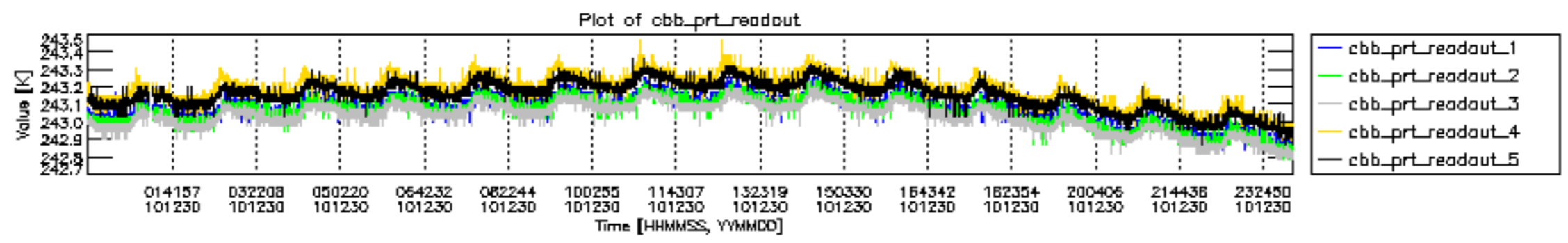


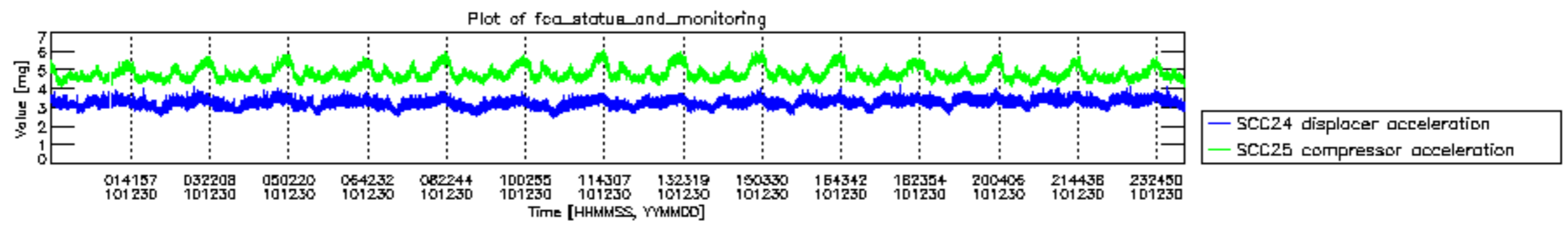












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

