

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	05DEC2010 05:23:34
Data source version	KSPT_L0/4504-N
Processing scope for products	30NOV2010 00:00:00 to 01DEC2010 00:00:00
Start time of first product within scope	30NOV2010 03:46:32
Stop time of last product within scope	01DEC2010 00:21:01
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__0PNPDE20101130_034632_000062513097_00047_45751_2235.N1	30NOV2010 03:46:32	30NOV2010 05:30:42	0	0	0	0	0
1	MIP_NL__0PNPDE20101130_053009_000060353097_00048_45752_2236.N1	30NOV2010 05:30:09	30NOV2010 07:10:44	0	0	0	0	0
2	MIP_NL__0PNPDK20101130_071011_000040213097_00049_45753_3424.N1	30NOV2010 07:10:11	30NOV2010 08:17:12	0	0	0	0	0
3	MIP_NL__0PNPDK20101130_081612_000061453097_00050_45754_3425.N1	30NOV2010 08:16:12	30NOV2010 09:58:37	0	0	0	0	0
4	MIP_NL__0PNPDK20101130_095659_000060103097_00051_45755_3426.N1	30NOV2010 09:56:59	30NOV2010 11:37:09	0	0	0	0	0
5	MIP_NL__0PNPDK20101130_113610_000059983097_00052_45756_3427.N1	30NOV2010 11:36:10	30NOV2010 13:16:08	0	0	0	0	0
6	MIP_NL__0PNPDK20101130_131514_000060173097_00053_45757_3428.N1	30NOV2010 13:15:14	30NOV2010 14:55:30	0	0	0	0	0
7	MIP_NL__0PNPDK20101130_145426_000058083097_00054_45758_3429.N1	30NOV2010 14:54:26	30NOV2010 16:31:13	0	0	0	0	0
8	MIP_NL__0PNPDK20101130_162931_000060163097_00055_45759_3430.N1	30NOV2010 16:29:31	30NOV2010 18:09:47	0	0	0	0	0
9	MIP_NL__0PNPDK20101130_180843_000060253097_00056_45760_3431.N1	30NOV2010 18:08:43	30NOV2010 19:49:07	0	0	0	0	0
10	MIP_NL__0PNPDE20101130_194733_000039983097_00057_45761_2239.N1	30NOV2010 19:47:33	30NOV2010 20:54:12	0	0	0	0	0
11	MIP_NL__0PNPDE20101130_205318_000064843097_00057_45761_2240.N1	30NOV2010 20:53:18	30NOV2010 22:41:22	0	0	0	0	0
12	MIP_NL__0PNPDE20101130_224013_000060483097_00058_45762_2241.N1	30NOV2010 22:40:13	01DEC2010 00:21:01	0	0	0	0	0

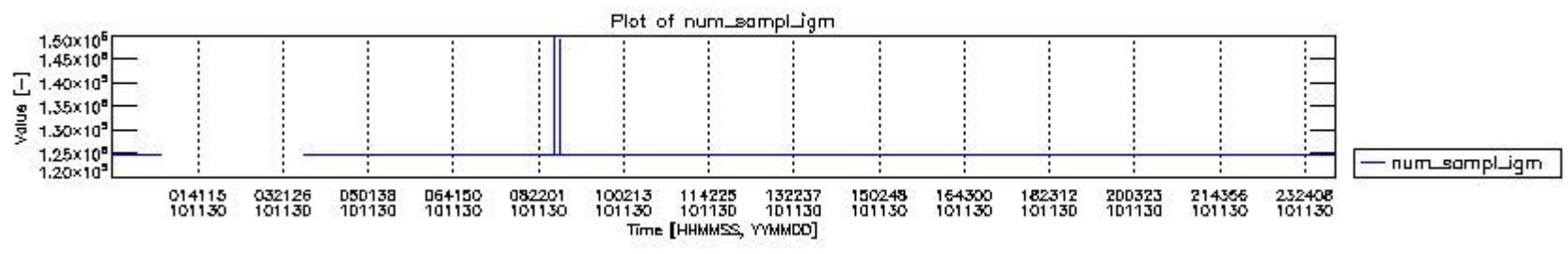
0.2 Instrument Operational Performance Parameters

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.

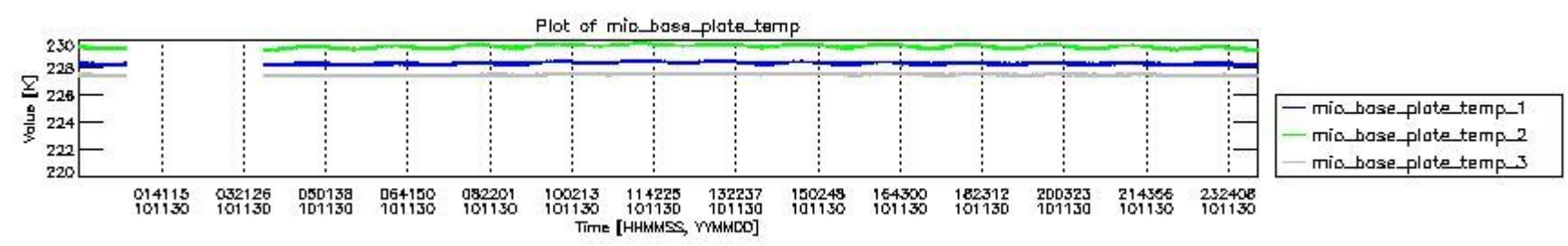
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
124800	34299	93.305223
124803	2455	6.6784548
127010	1	0.0027203482
127233	1	0.0027203482
147142	1	0.0027203482

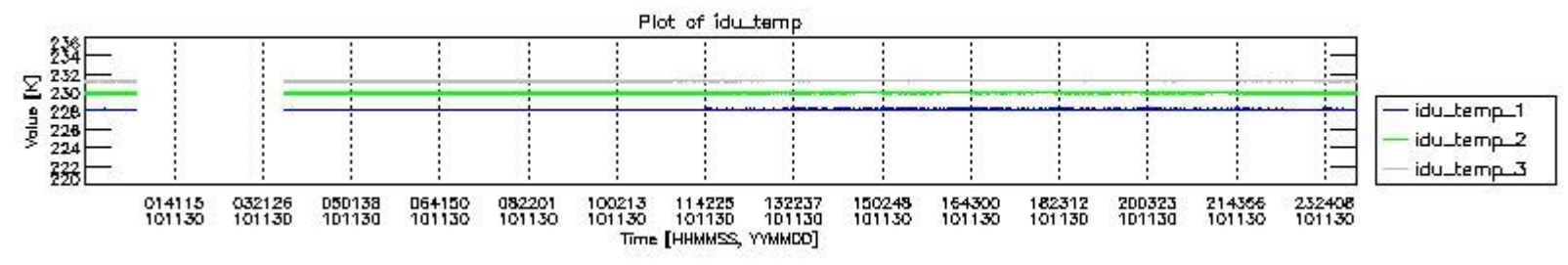
147365	1	0.0027203482
149352	1	0.0027203482
149798	1	0.0027203482



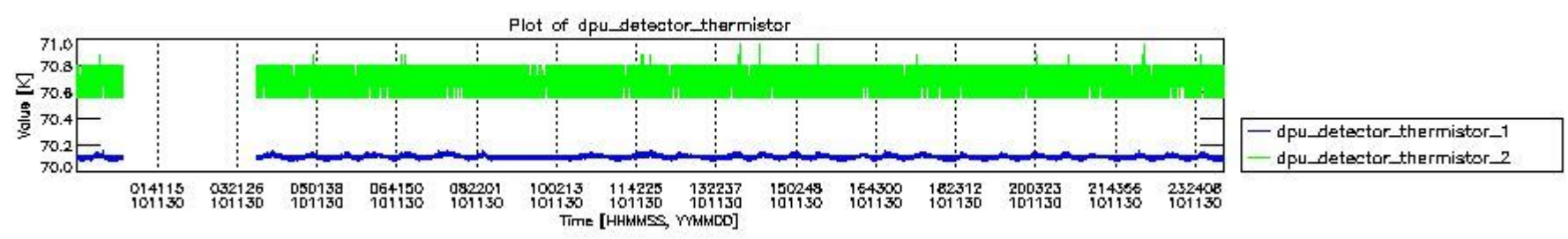
mipas_daily_report_level0_KSPT_L0_4504_N_20101130_0.PNG



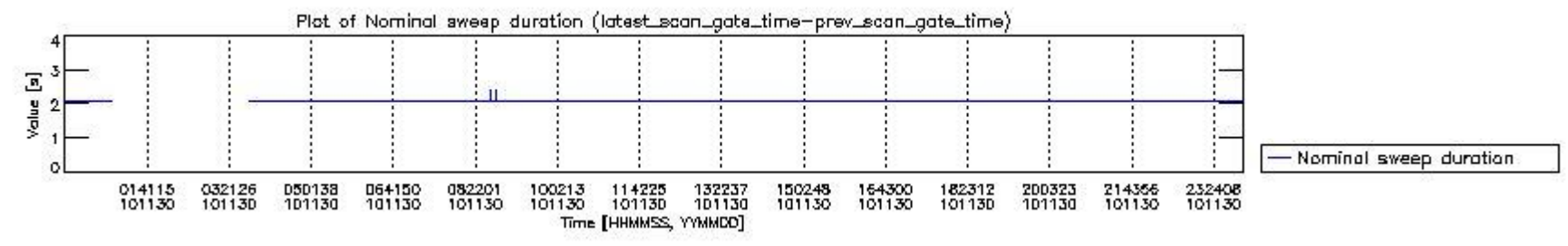
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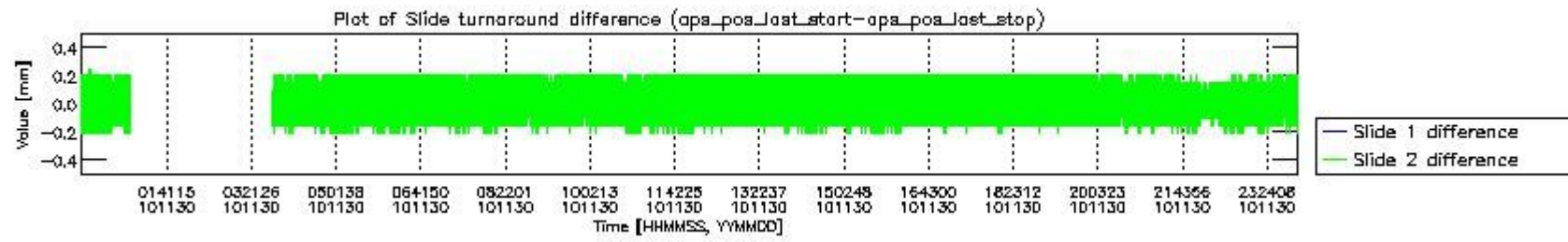
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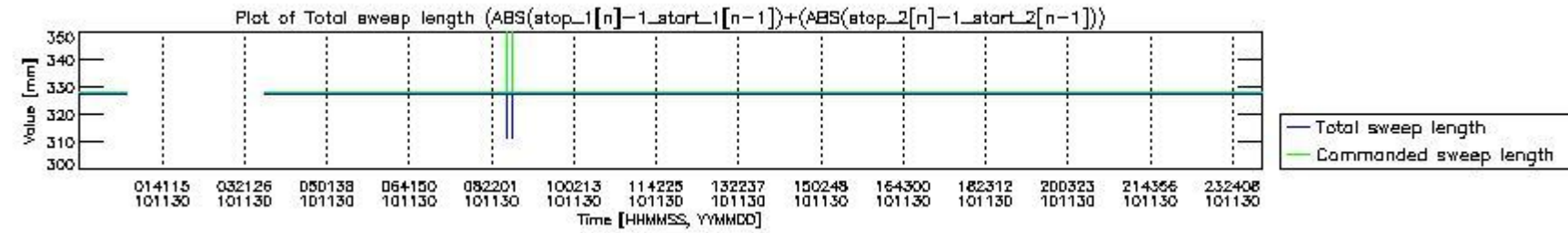
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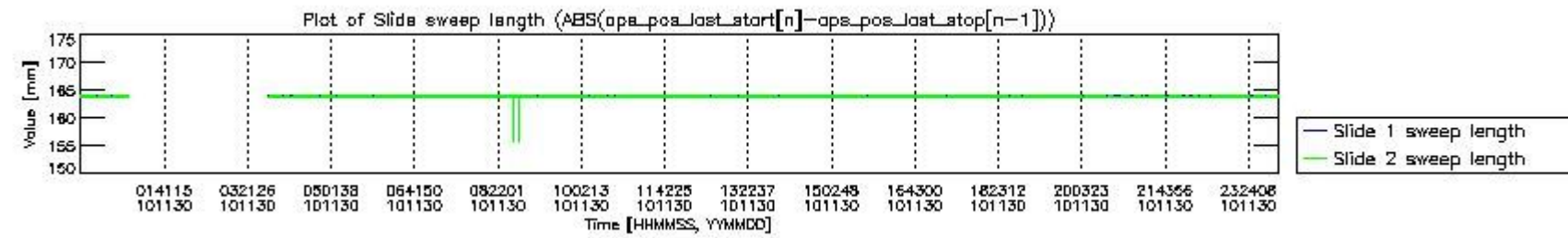
mipas_daily_report_level0_KSPT_L0_4504_N_20101130_4.PNG



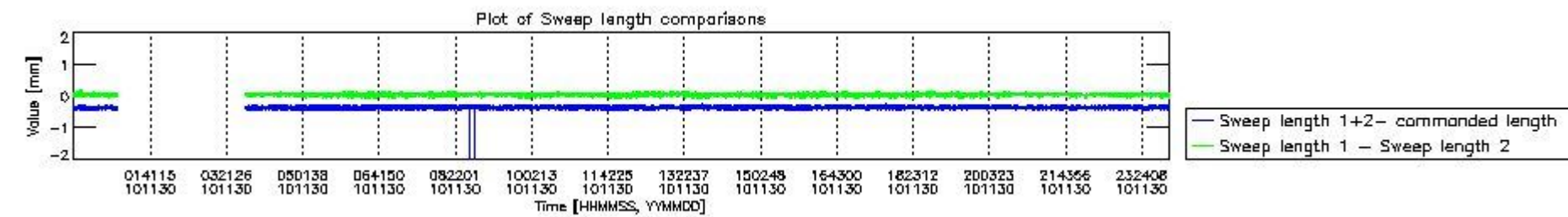
mipas_daily_report_level0_KSPT_L0_4504_N_20101130_5.PNG



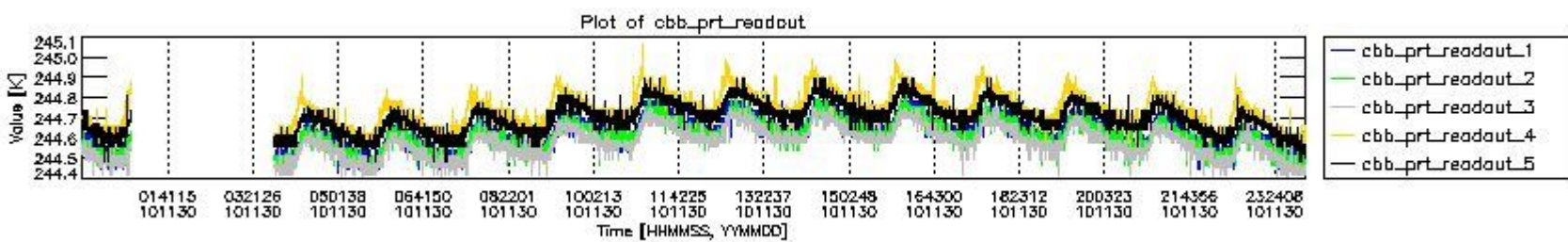
mipas_daily_report_level0_KSPT_L0_4504_N_20101130_6.PNG



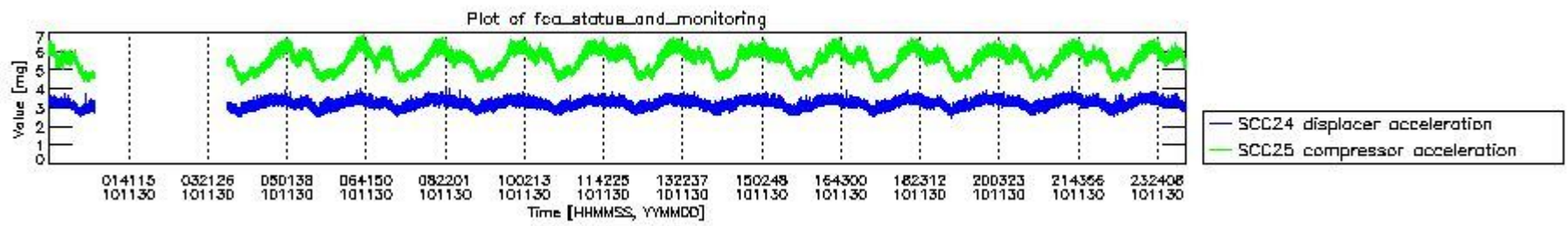
mipas_daily_report_level0_KSPT_L0_4504_N_20101130_7.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101130_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101130_9.PNG

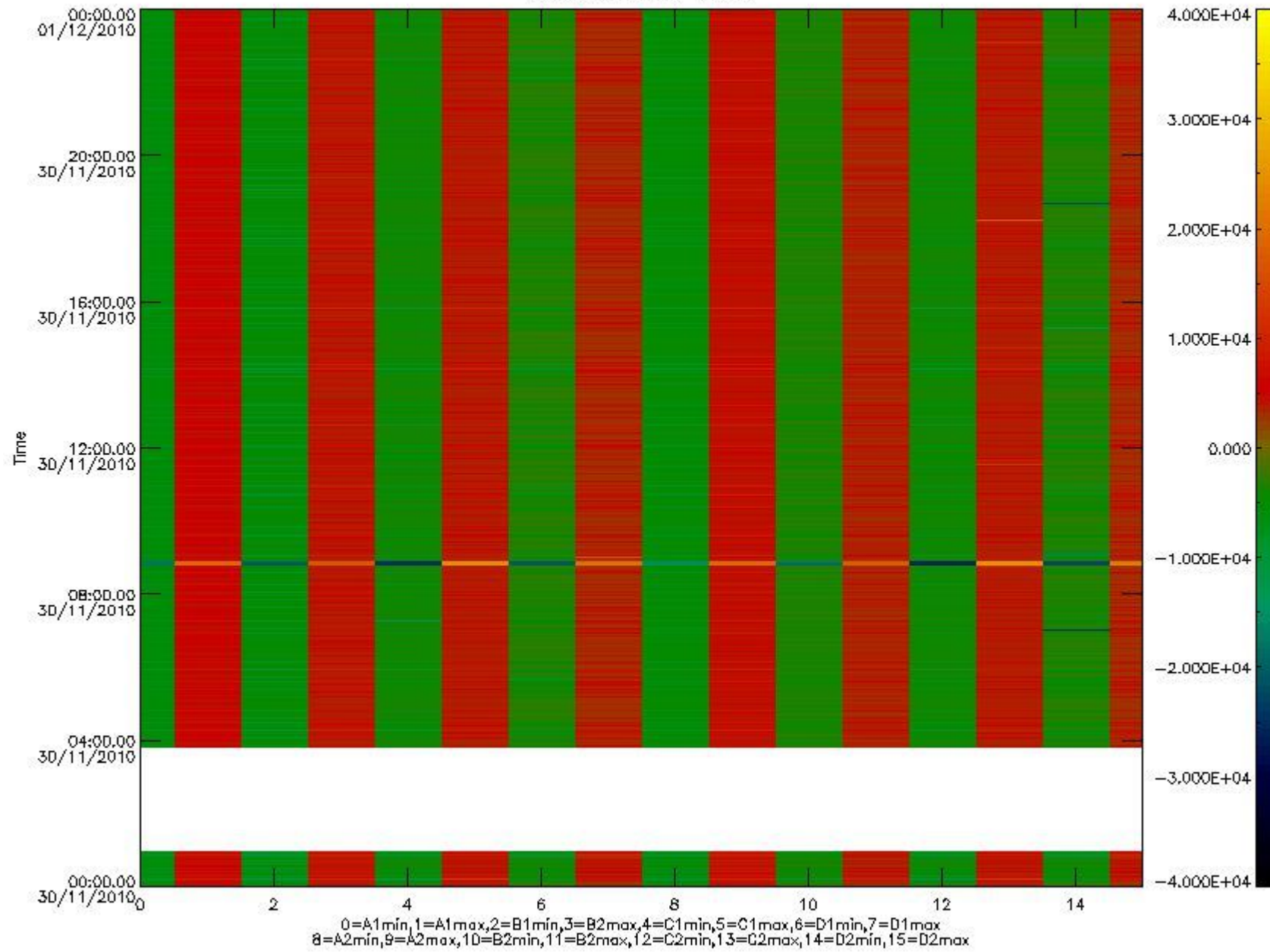


mipas_daily_report_level0_KSPT_L0_4504_N_20101130_10.PNG

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

Channel	Min	Max	ADC
A1	-18551	19738	16bit
B1	-20599	17714	16bit
C1	-25049	24963	16bit
D1	-20982	32767	16bit
A2	-16022	19867	16bit
B2	-18733	18316	16bit
C2	-26049	25703	16bit
D2	-32768	22885	16bit

MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
Colour indicates value.



mipas_daily_report_level0_KSPT_L0_4504_N_20101130_11.PNG

0.3 ADF monitoring

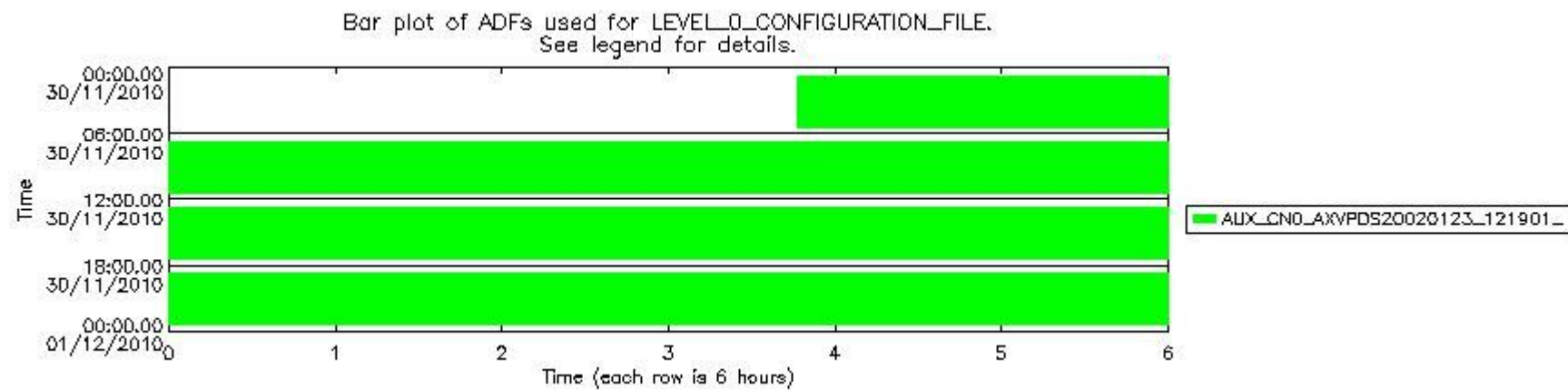
The use of ADFs is shown in two ways:

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.

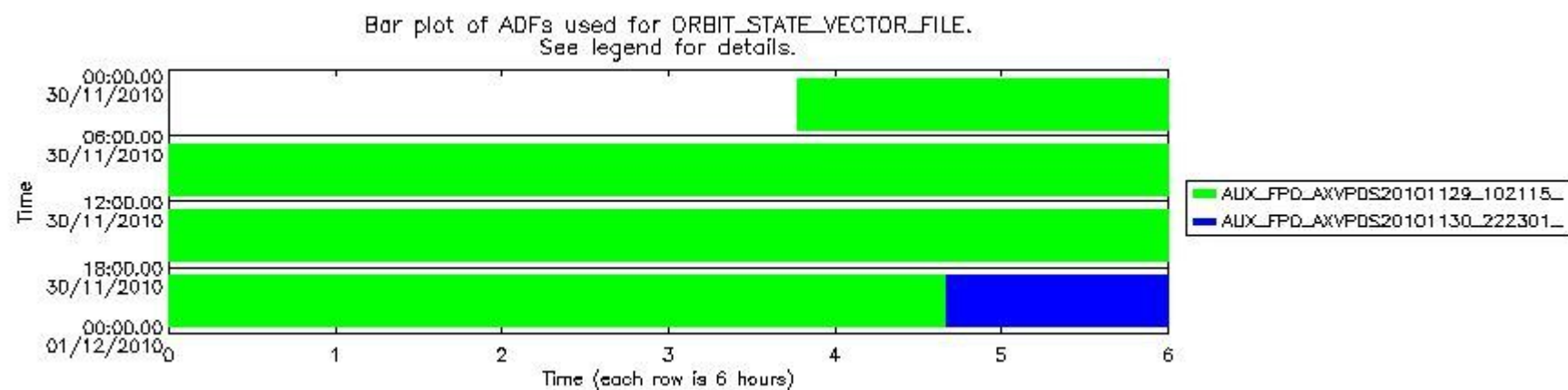
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101129_102115_20101128_190448_20101208_211842
2	AUX_FPO_AXVPDS20101130_222301_20101130_193135_20101210_200515

Number	Product name	#CN0	#FPO
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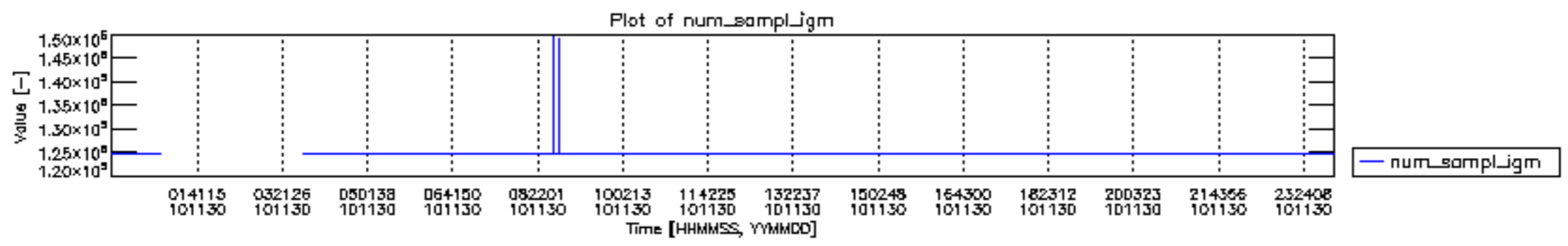
0	MIP_NL__0PNPDE20101130_034632_000062513097_00047_45751_2235.N1	0	1
1	MIP_NL__0PNPDE20101130_053009_000060353097_00048_45752_2236.N1	0	1
2	MIP_NL__0PNPDK20101130_071011_000040213097_00049_45753_3424.N1	0	1
3	MIP_NL__0PNPDK20101130_081612_000061453097_00050_45754_3425.N1	0	1
4	MIP_NL__0PNPDK20101130_095659_000060103097_00051_45755_3426.N1	0	1
5	MIP_NL__0PNPDK20101130_113610_000059983097_00052_45756_3427.N1	0	1
6	MIP_NL__0PNPDK20101130_131514_000060173097_00053_45757_3428.N1	0	1
7	MIP_NL__0PNPDK20101130_145426_000058083097_00054_45758_3429.N1	0	1
8	MIP_NL__0PNPDK20101130_162931_000060163097_00055_45759_3430.N1	0	1
9	MIP_NL__0PNPDK20101130_180843_000060253097_00056_45760_3431.N1	0	1
10	MIP_NL__0PNPDE20101130_194733_000039983097_00057_45761_2239.N1	0	1
11	MIP_NL__0PNPDE20101130_205318_000064843097_00057_45761_2240.N1	0	1
12	MIP_NL__0PNPDE20101130_224013_000060483097_00058_45762_2241.N1	0	2

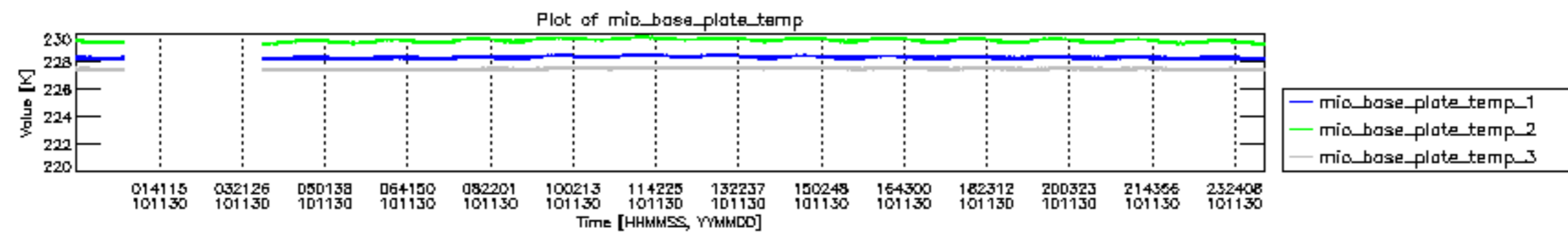


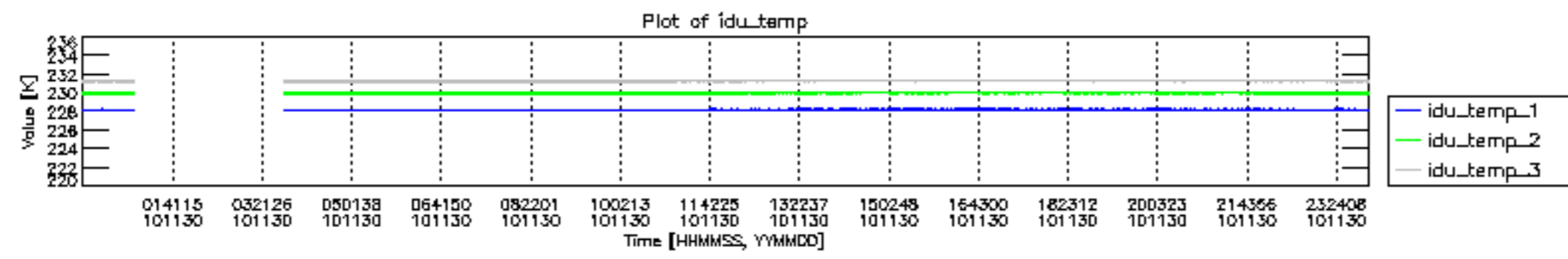
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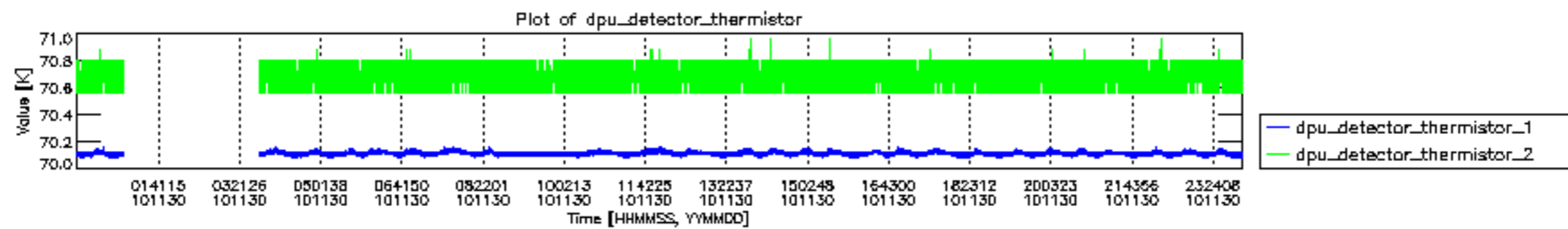


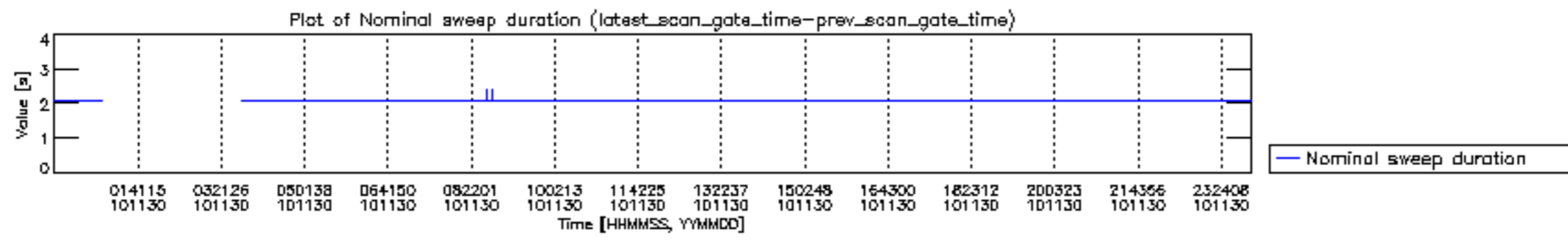
mipas_daily_report_level0_KSPT_L0_4504_N_20101130_13.PNG

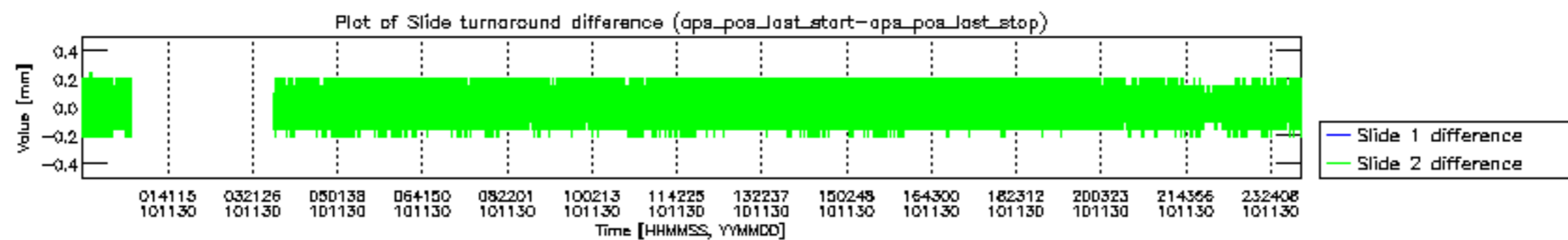


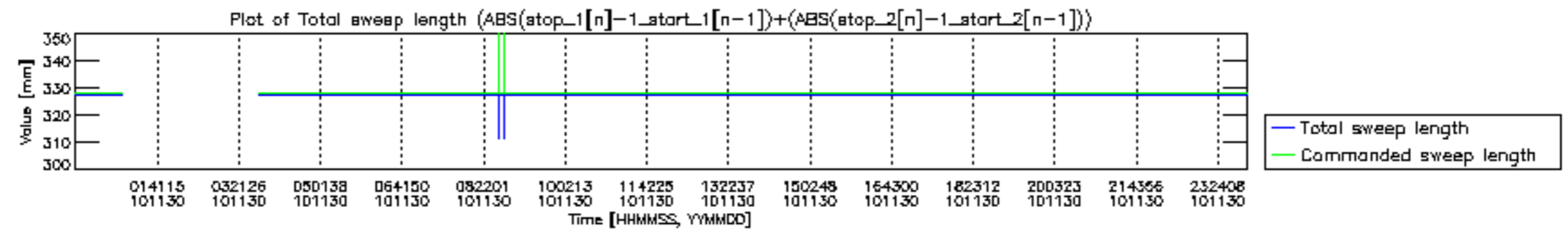


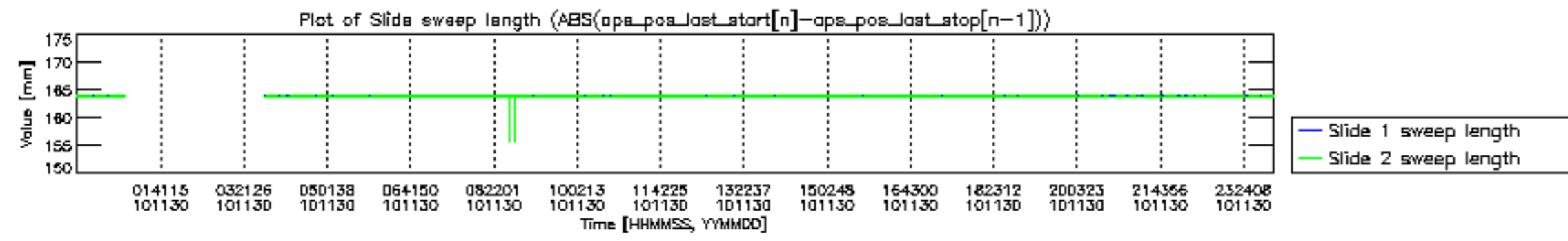


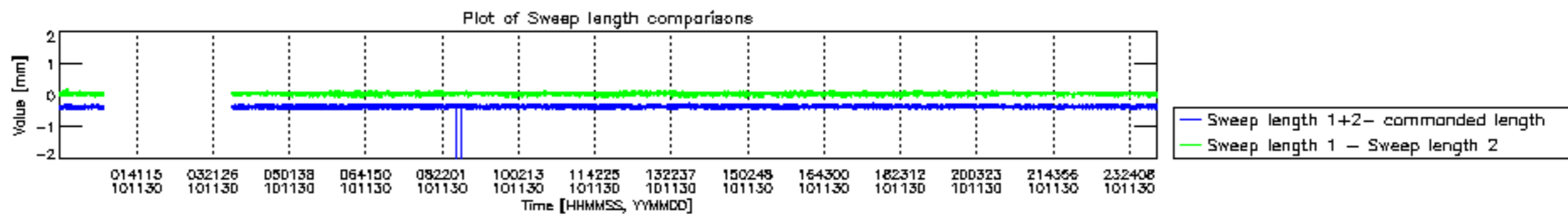


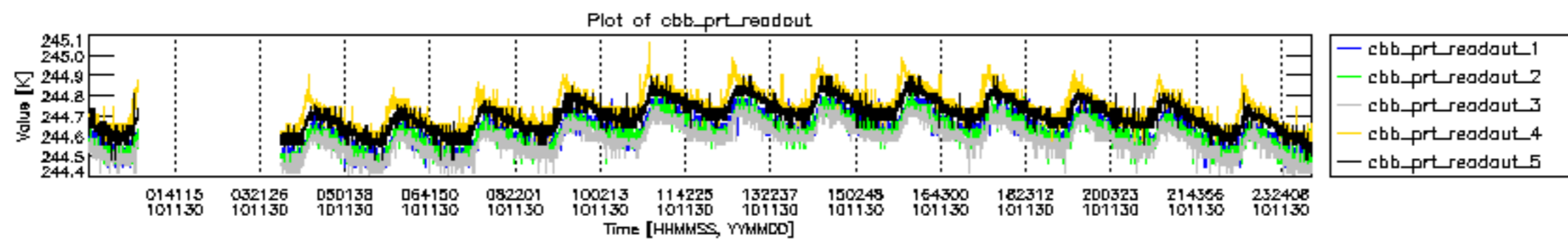


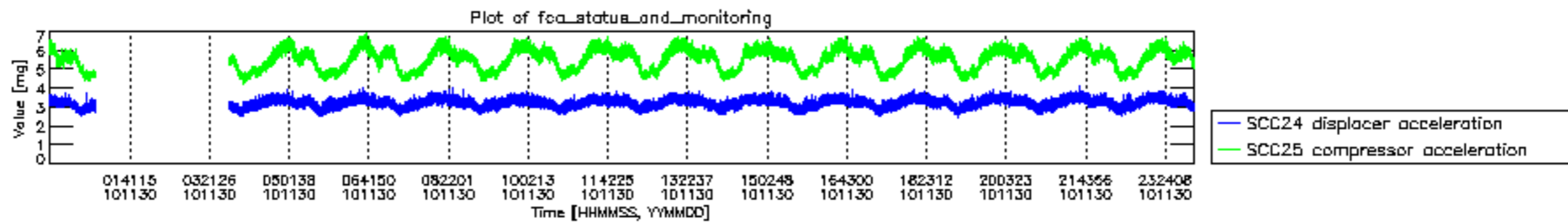












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

