

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	19NOV2010 05:26:19
Data source version	KSPT_L0/4504-N
Processing scope for products	14NOV2010 00:00:00 to 15NOV2010 00:00:00
Start time of first product within scope	14NOV2010 00:44:32
Stop time of last product within scope	15NOV2010 00:07:16
Total number of level 0 products	17
Number of level 0 products with errors	1

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__0PNPDE20101114_004432_000057913096_00246_45519_1854.N1	14NOV2010 00:44:32	14NOV2010 02:21:03	0	0	0	0	0
1	MIP_NL__0PNPDE20101114_022007_000045293096_00247_45520_1855.N1	14NOV2010 02:20:07	14NOV2010 03:35:36	0	0	0	0	0
2	MIP_NL__0PNPDE20101114_033500_000061593096_00248_45521_1856.N1	14NOV2010 03:35:00	14NOV2010 05:17:39	0	0	0	0	0
3	MIP_NL__0PNPDE20101114_051708_000060313096_00249_45522_1857.N1	14NOV2010 05:17:08	14NOV2010 06:57:39	0	0	0	0	0
4	MIP_NL__0PNPDK20101114_065705_000040443096_00250_45523_3268.N1	14NOV2010 06:57:05	14NOV2010 08:04:30	0	0	0	0	0
5	MIP_NL__0PNPDK20101114_080258_000061153096_00251_45524_3269.N1	14NOV2010 08:02:58	14NOV2010 09:44:53	0	0	0	0	0
6	MIP_NL__0PNPDK20101114_094355_000060863096_00252_45525_3279.N1	14NOV2010 09:43:55	14NOV2010 11:25:21	1	1	0	0	0
7	MIP_NL__0PNPDK20101114_111429_000006523096_00253_45526_3271.N1	14NOV2010 11:14:29	14NOV2010 11:25:21	0	0	0	0	0
8	MIP_NL__0PNPDK20101114_112344_000060043096_00253_45526_3272.N1	14NOV2010 11:23:44	14NOV2010 13:03:49	0	0	0	0	0
9	MIP_NL__0PNPDK20101114_130250_000058933096_00254_45527_3273.N1	14NOV2010 13:02:50	14NOV2010 14:41:03	0	0	0	0	0
10	MIP_NL__0PNPDK20101114_144007_000059293096_00255_45528_3274.N1	14NOV2010 14:40:07	14NOV2010 16:18:56	0	0	0	0	0
11	MIP_NL__0PNPDK20101114_161822_000058773096_00256_45529_3275.N1	14NOV2010 16:18:22	14NOV2010 17:56:19	0	0	0	0	0
12	MIP_NL__0PNPDK20101114_175518_000059253096_00257_45530_3276.N1	14NOV2010 17:55:18	14NOV2010 19:34:03	0	0	0	0	0
13	MIP_NL__0PNPDK20101114_193217_000062363096_00258_45531_3277.N1	14NOV2010 19:32:17	14NOV2010 21:16:13	0	0	0	0	0
14	MIP_NL__0PNPDE20101114_211449_000041053096_00259_45532_1858.N1	14NOV2010 21:14:49	14NOV2010 22:23:14	0	0	0	0	0
15	MIP_NL__0PNPDE20101114_222314_000002323096_00259_45532_1859.N1	14NOV2010 22:23:14	14NOV2010 22:27:06	0	0	0	0	0
16	MIP_NL__0PNPDE20101114_222559_000060763096_00259_45532_1860.N1	14NOV2010 22:25:59	15NOV2010 00:07:16	0	0	0	0	0

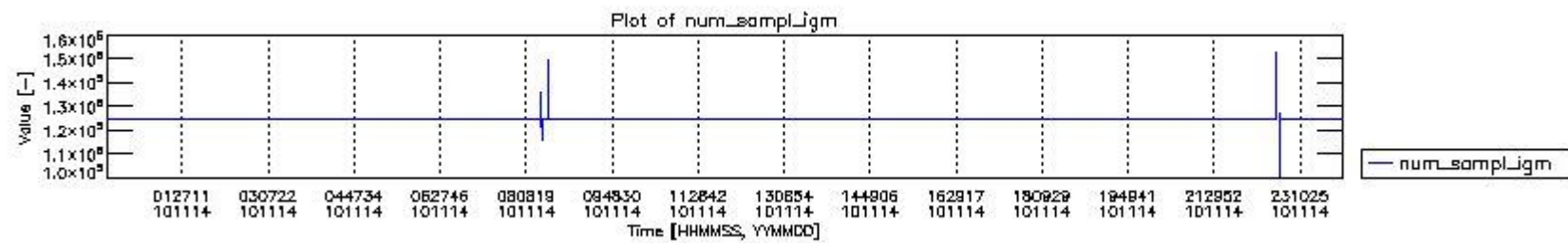
0.2 Instrument Operational Performance Parameters

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.

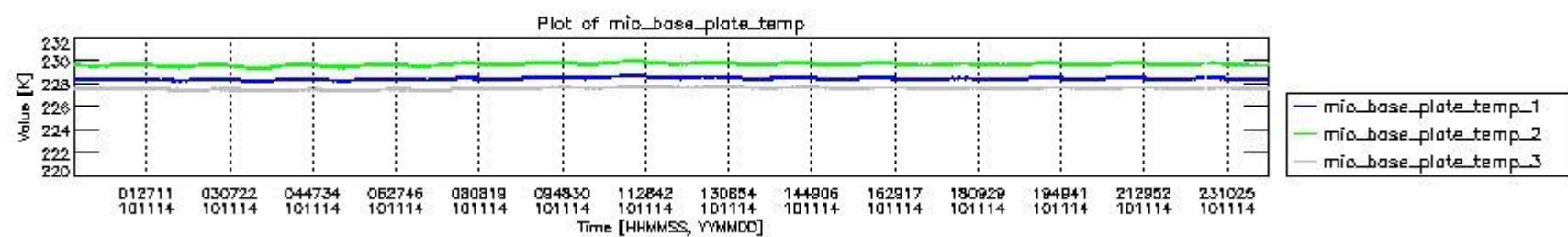
The following table shows the counts of various interferogram number of samples

Number of igm samples	Count [#]	Count [%]
100557	1	0.0024042507

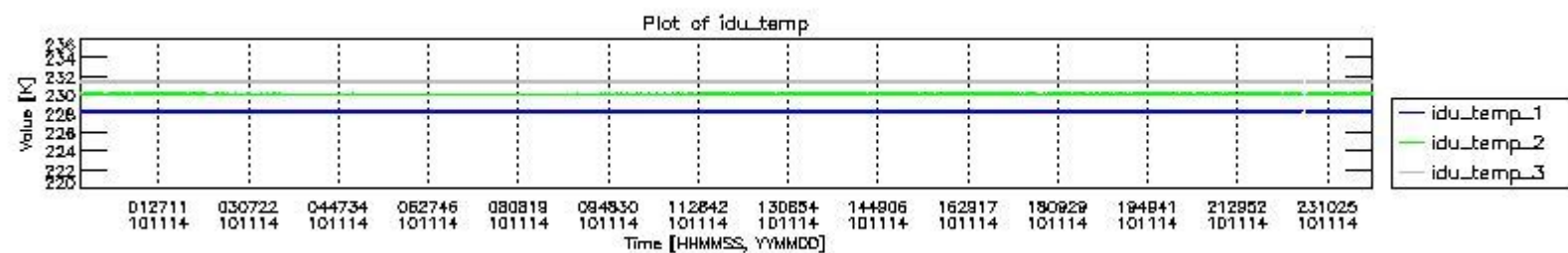
115636	1	0.0024042507
124800	38658	92.943524
124803	2923	7.0276248
125809	1	0.0024042507
126604	1	0.0024042507
126818	1	0.0024042507
127085	1	0.0024042507
128720	1	0.0024042507
135768	1	0.0024042507
147217	1	0.0024042507
148852	1	0.0024042507
149502	1	0.0024042507
152772	1	0.0024042507



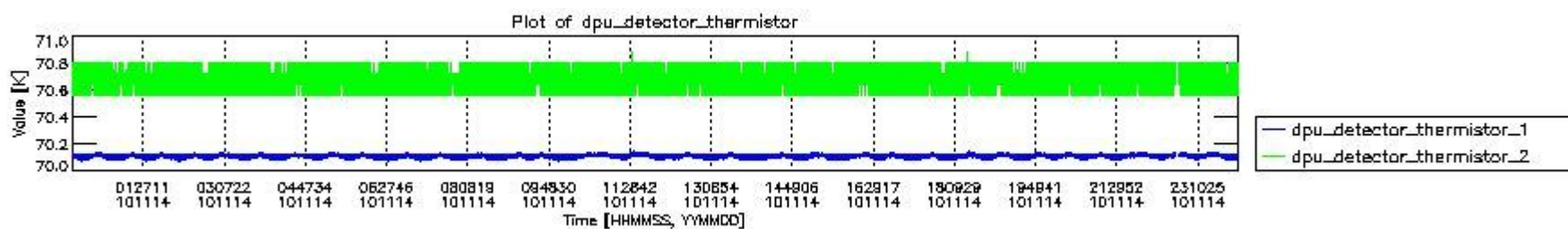
mipas_daily_report_level0_KSPT_L0_4504_N_20101114_0.PNG



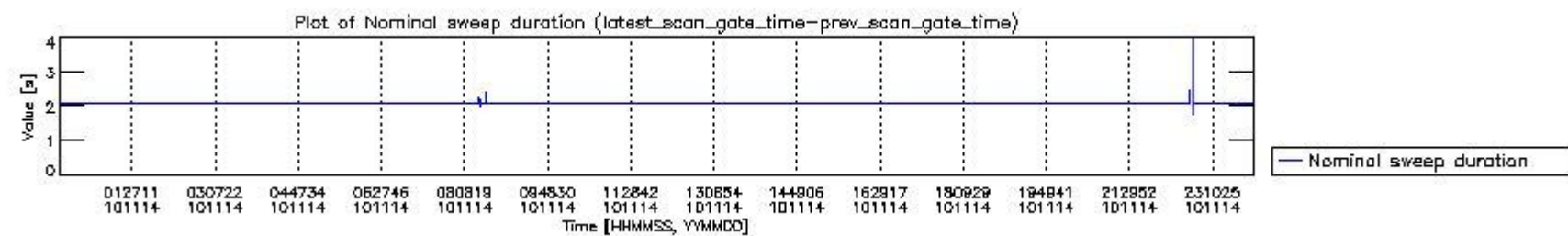
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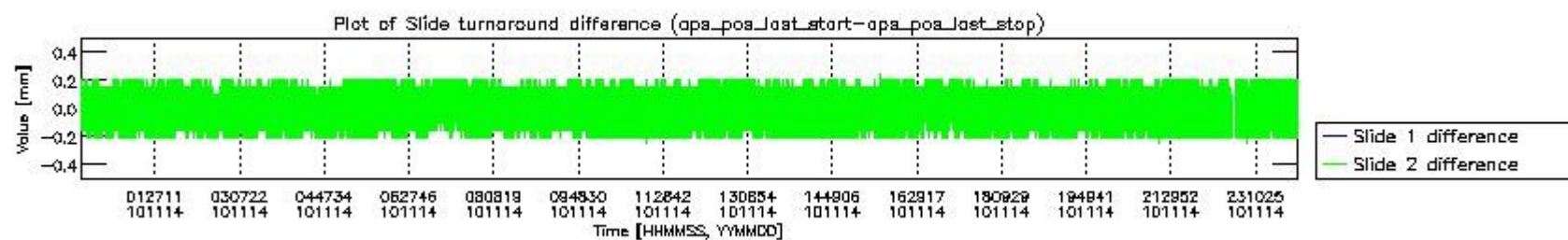
mipas_daily_report_level0_KSPT_L0_4504_N_20101114_2.PNG



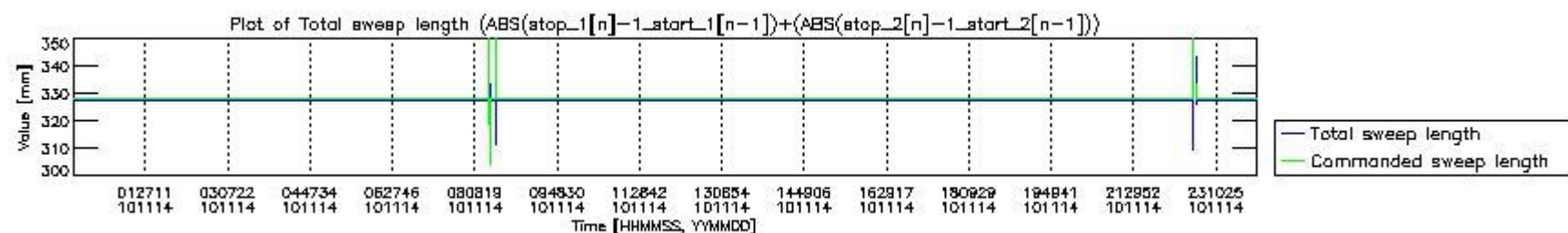
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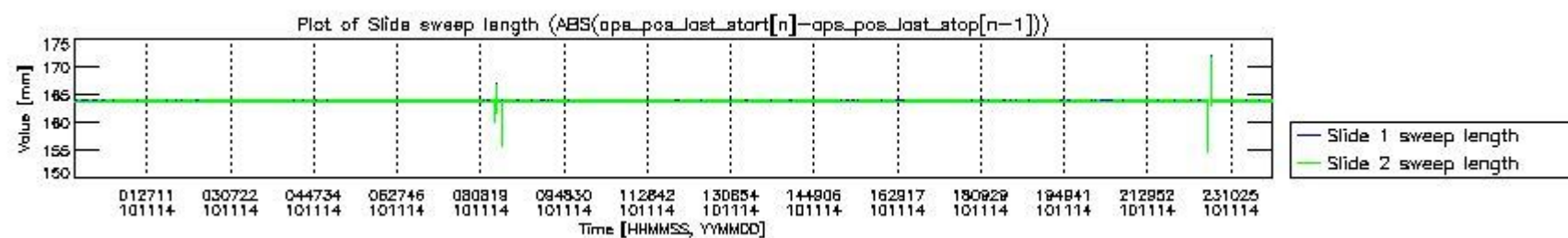
mipas_daily_report_level0_KSPT_L0_4504_N_20101114_4.PNG



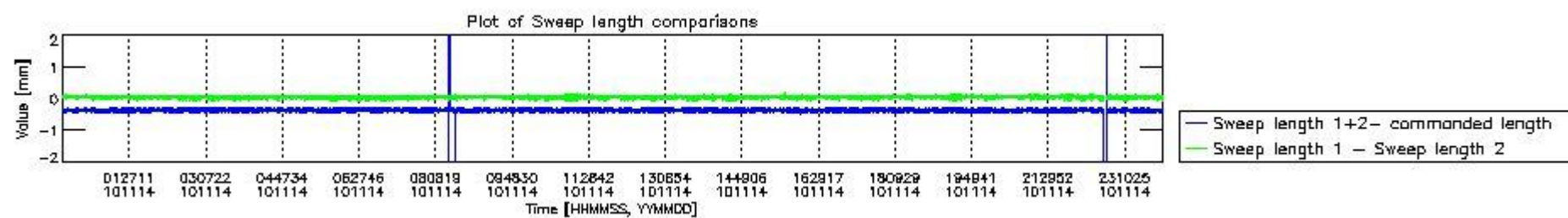
mipas_daily_report_level0_KSPT_L0_4504_N_20101114_5.PNG



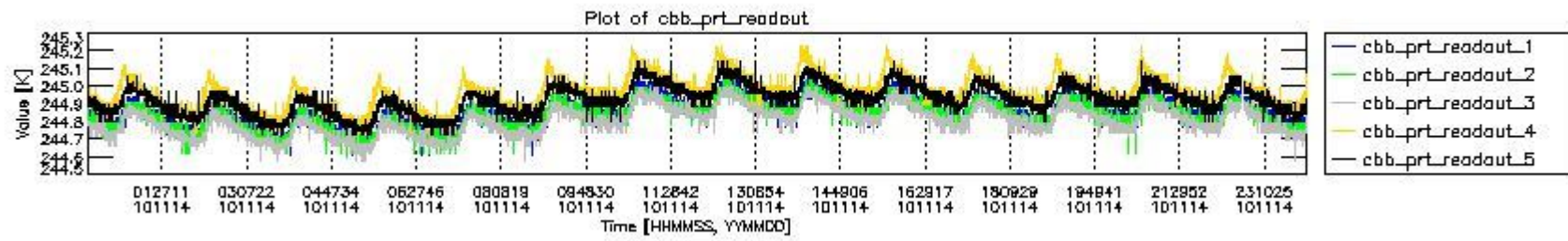
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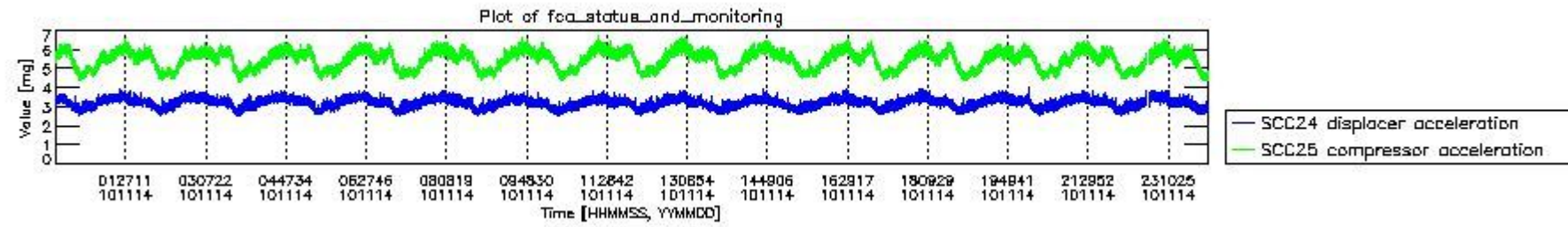
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mipas_daily_report_level0_KSPT_L0_4504_N_20101114_8.PNG



mipas_daily_report_level0_KSPT_L0_4504_N_20101114_9.PNG

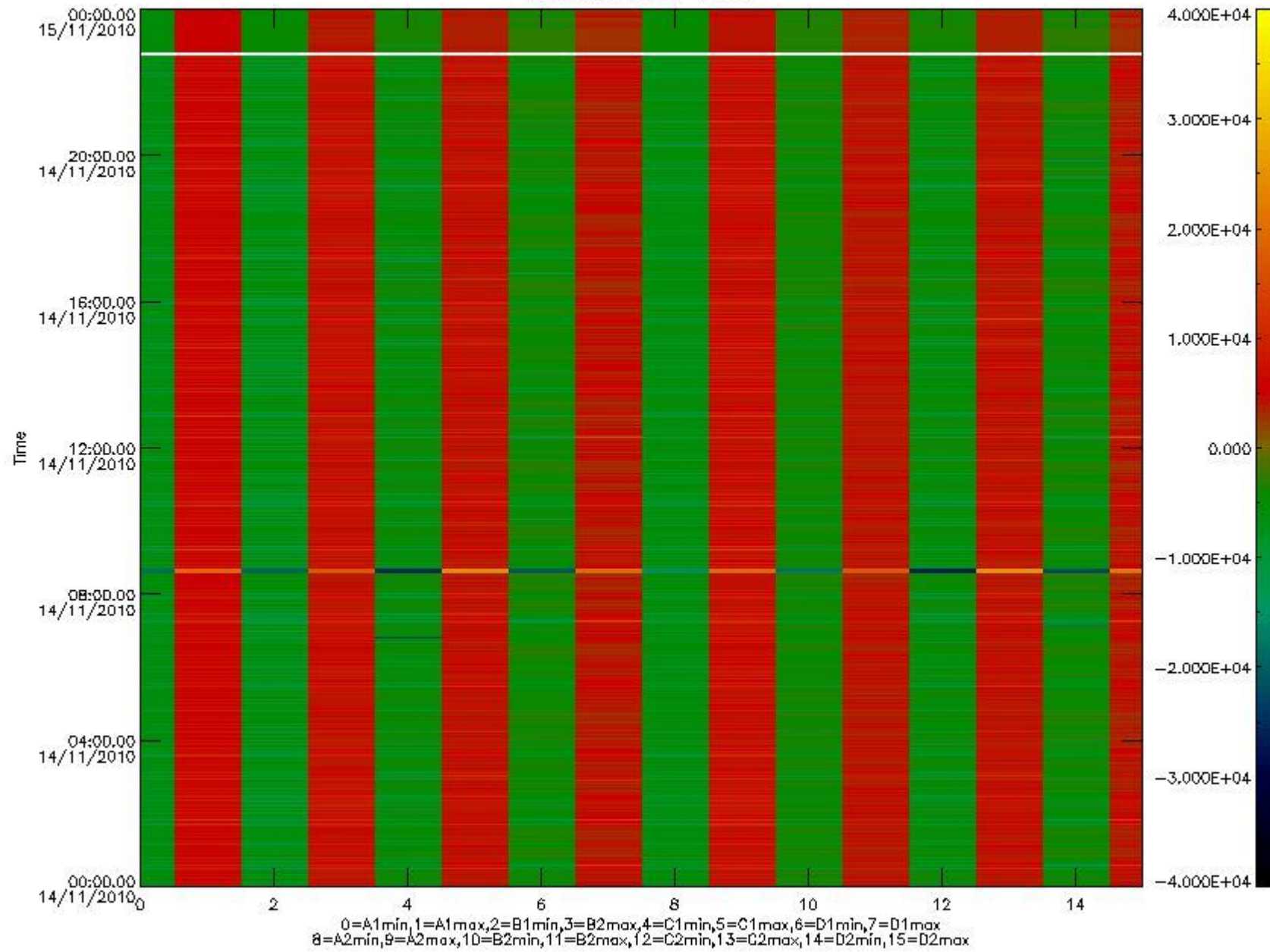


mipas_daily_report_level0_KSPT_L0_4504_N_20101114_10.PNG

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

Channel	Min	Max	ADC
A1	-18663	19879	16bit
B1	-20698	17785	16bit
C1	-25239	25134	16bit
D1	-32768	32767	16bit
A2	-16101	19977	16bit
B2	-18860	18430	16bit
C2	-26275	25897	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_20101114_11.PNG

0.3 ADF monitoring

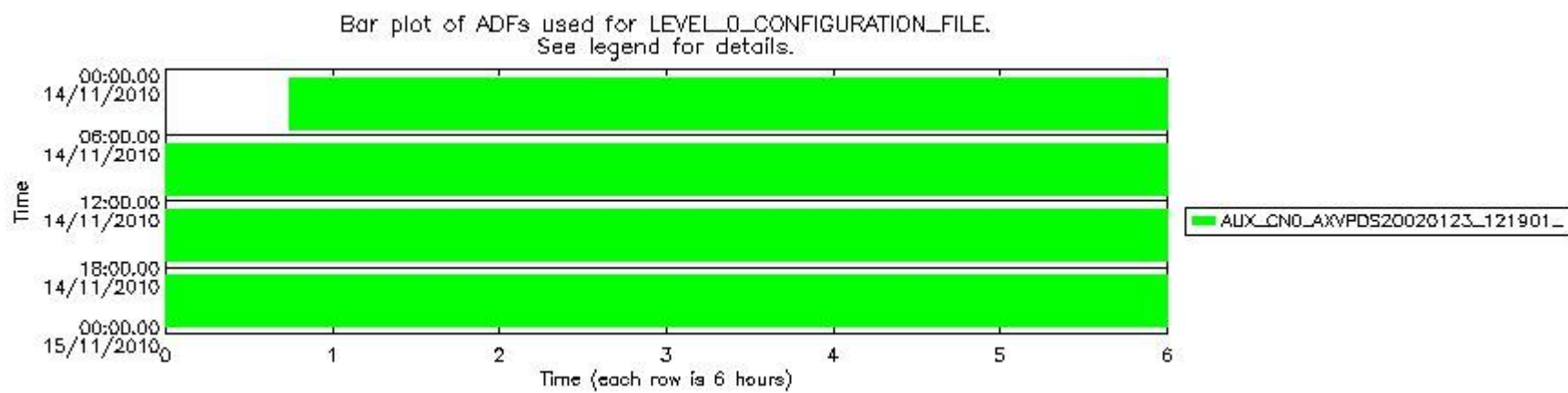
The use of ADFs is shown in two ways:

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.

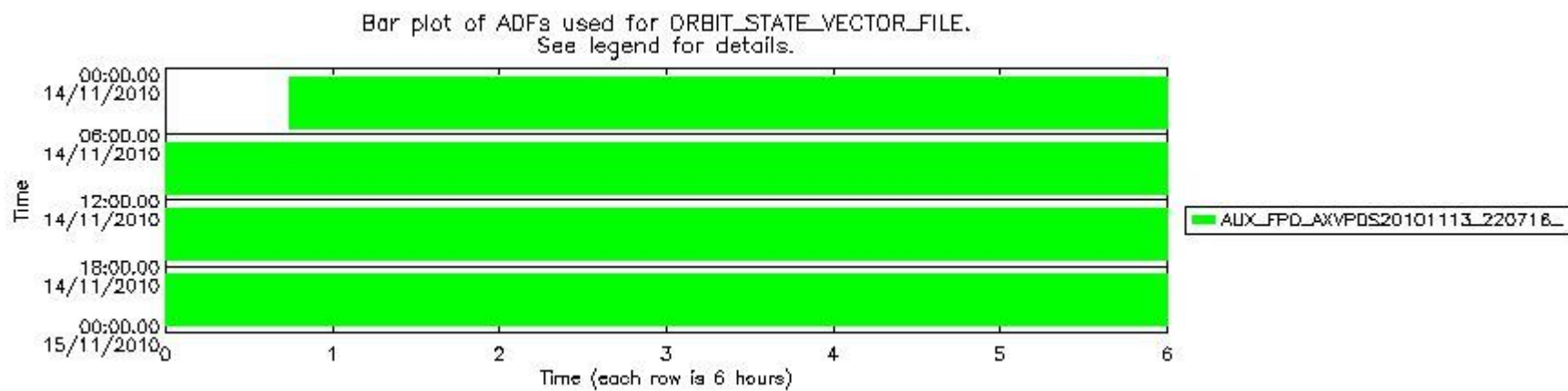
Number	ADF
0	AUX_CN0_AXVPDS20020123_121901_20020101_000000_20200101_000000
1	AUX_FPO_AXVPDS20101113_220716_20101113_195431_20101123_202811

Number	Product name	#CN0	#FPO
0	MIP_NL_0PNPDE20101114_004432_000057913096_00246_45519_1854.N1	0	1

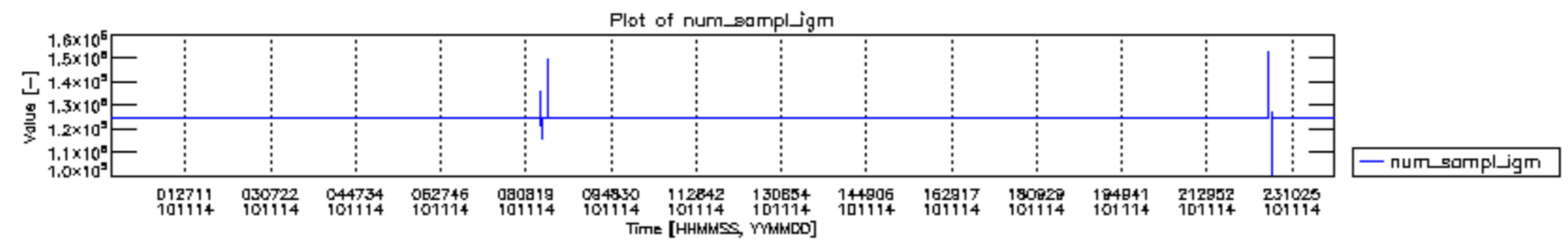
1	MIP_NL__0PNPDE20101114_022007_000045293096_00247_45520_1855.N1	0	1
2	MIP_NL__0PNPDE20101114_033500_000061593096_00248_45521_1856.N1	0	1
3	MIP_NL__0PNPDE20101114_051708_000060313096_00249_45522_1857.N1	0	1
4	MIP_NL__0PNPDK20101114_065705_000040443096_00250_45523_3268.N1	0	1
5	MIP_NL__0PNPDK20101114_080258_000061153096_00251_45524_3269.N1	0	1
6	MIP_NL__0PNPDK20101114_094355_000060863096_00252_45525_3279.N1	0	1
7	MIP_NL__0PNPDK20101114_111429_00006523096_00253_45526_3271.N1	0	1
8	MIP_NL__0PNPDK20101114_112344_000060043096_00253_45526_3272.N1	0	1
9	MIP_NL__0PNPDK20101114_130250_000058933096_00254_45527_3273.N1	0	1
10	MIP_NL__0PNPDK20101114_144007_000059293096_00255_45528_3274.N1	0	1
11	MIP_NL__0PNPDK20101114_161822_000058773096_00256_45529_3275.N1	0	1
12	MIP_NL__0PNPDK20101114_175518_000059253096_00257_45530_3276.N1	0	1
13	MIP_NL__0PNPDK20101114_193217_000062363096_00258_45531_3277.N1	0	1
14	MIP_NL__0PNPDE20101114_211449_000041053096_00259_45532_1858.N1	0	1
15	MIP_NL__0PNPDE20101114_222314_000002323096_00259_45532_1859.N1	0	1
16	MIP_NL__0PNPDE20101114_222559_000060763096_00259_45532_1860.N1	0	1

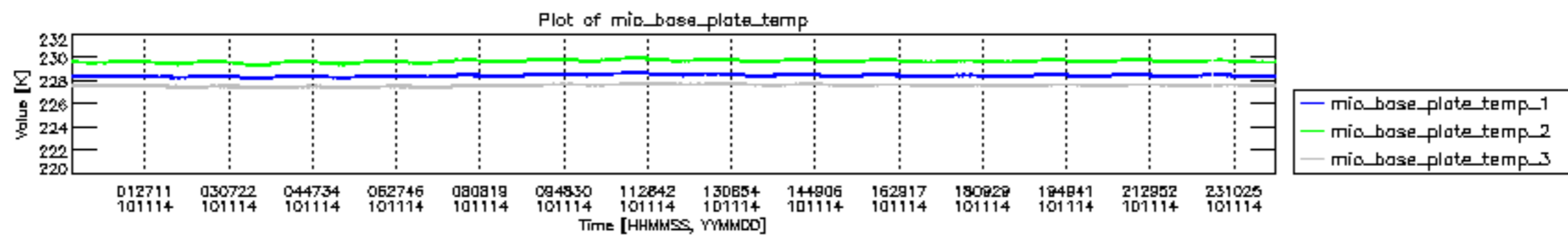


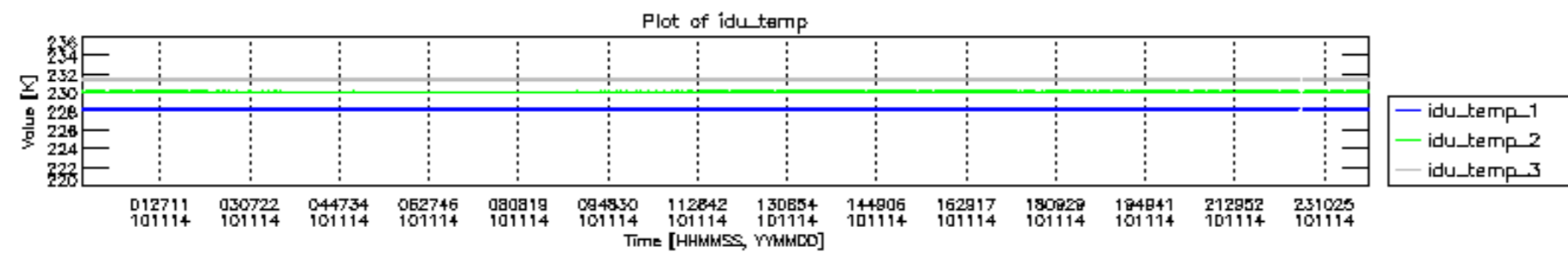
mipas_daily_report_level0_KSPT_L0_4504_N_20101114_12.PNG

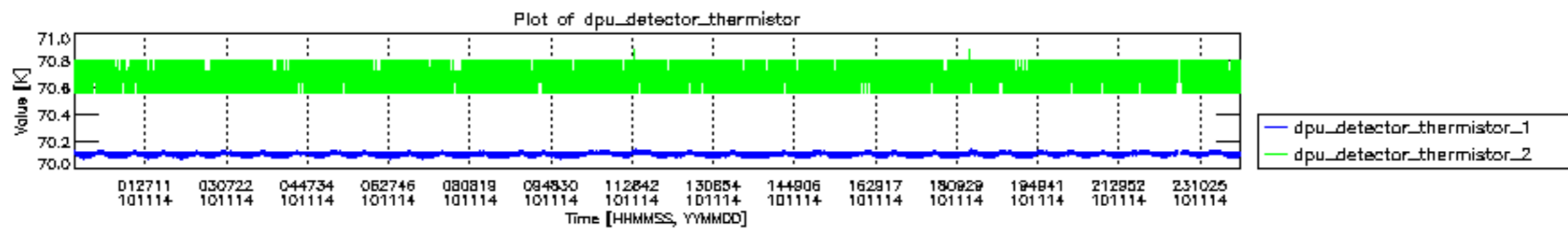


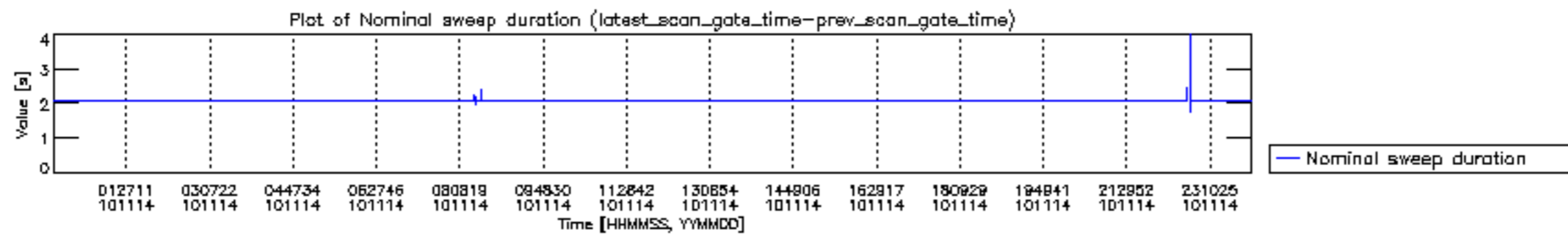
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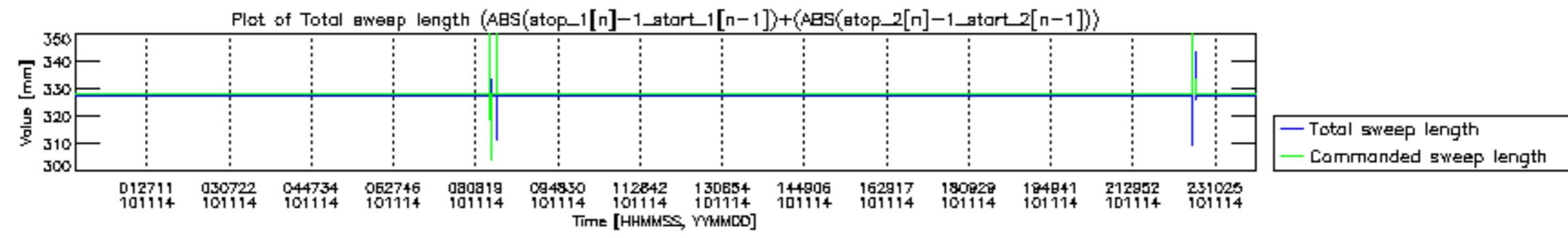


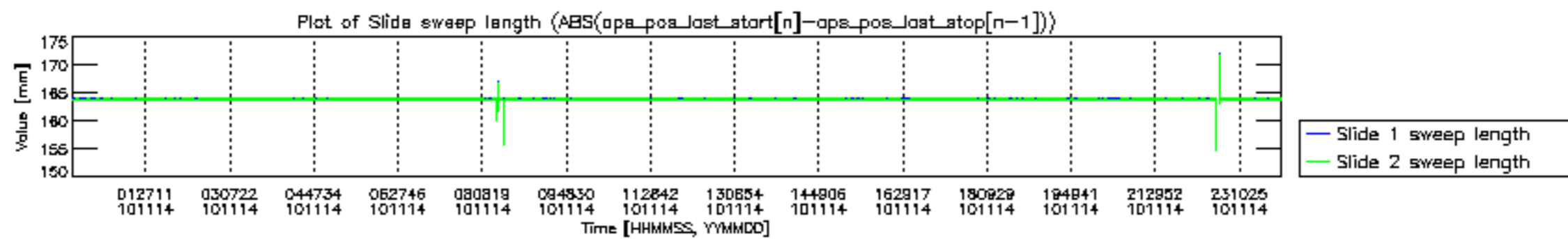


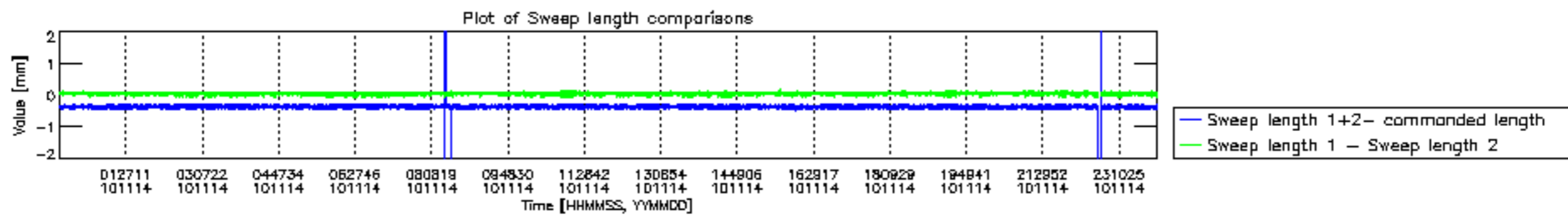


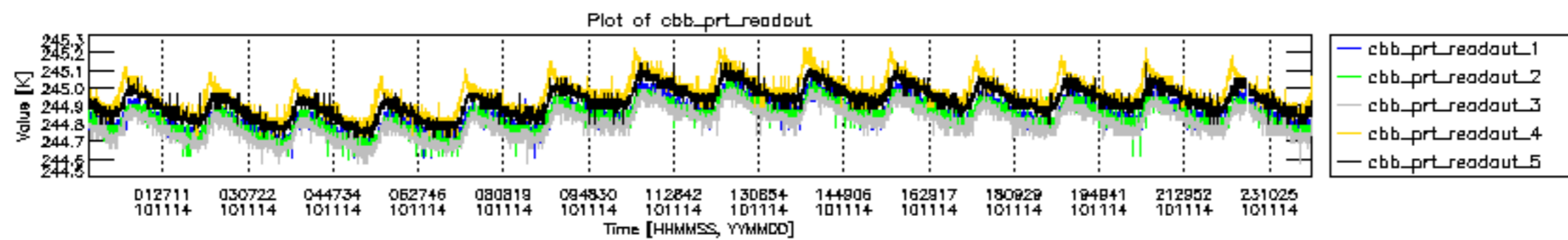


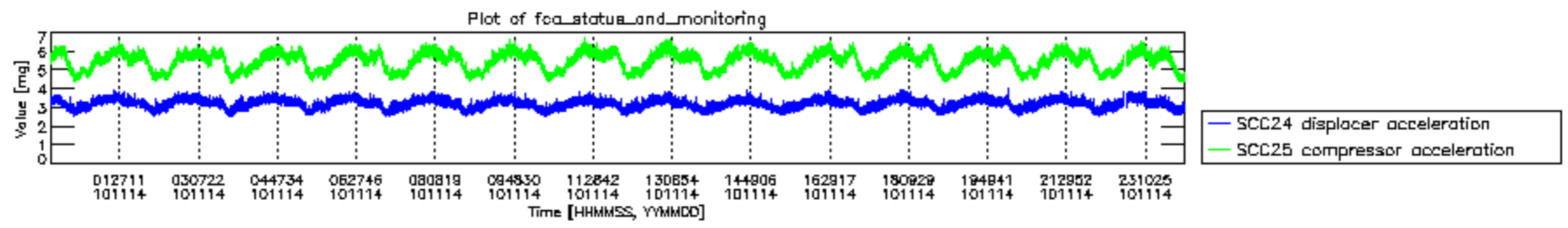












MIPNLOP_MIPSOUPAC_aux_fields_igm_cal, channel statistics plot
 Colour indicates value.

