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Intel Core i3-4160 testing with a MSI B85M-P33 V2 (MS-7846) v2.0 (V12.1 BIOS) and MSI NVIDIA NVC3 1GB on Linuxmint 20.2 via the Phoronix Test Suite.

Test Systems:

Intel Core i3-4160 #1

Intel Core i3-4160 #2

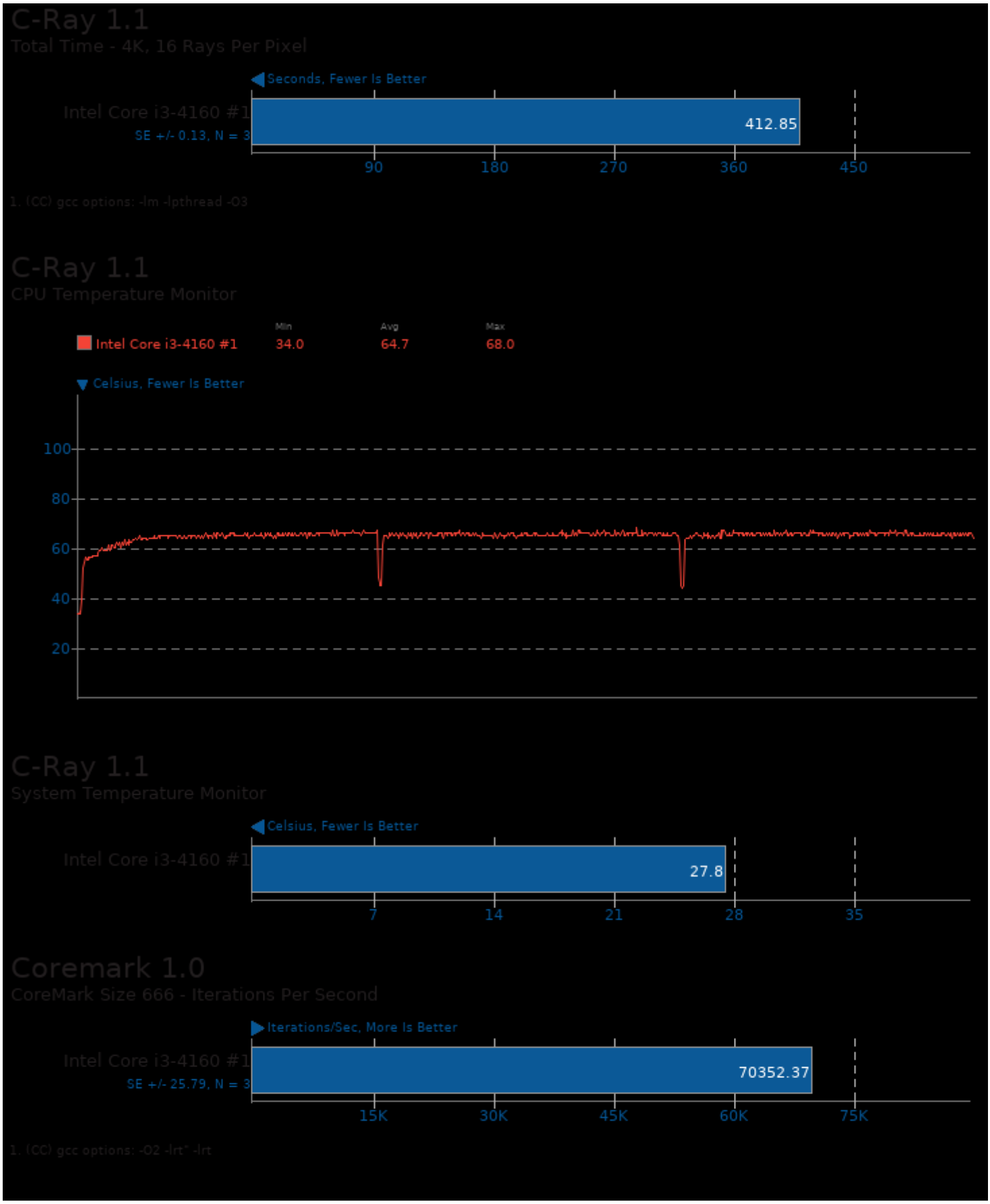
1 x 8192 MB DDR3-1333MT

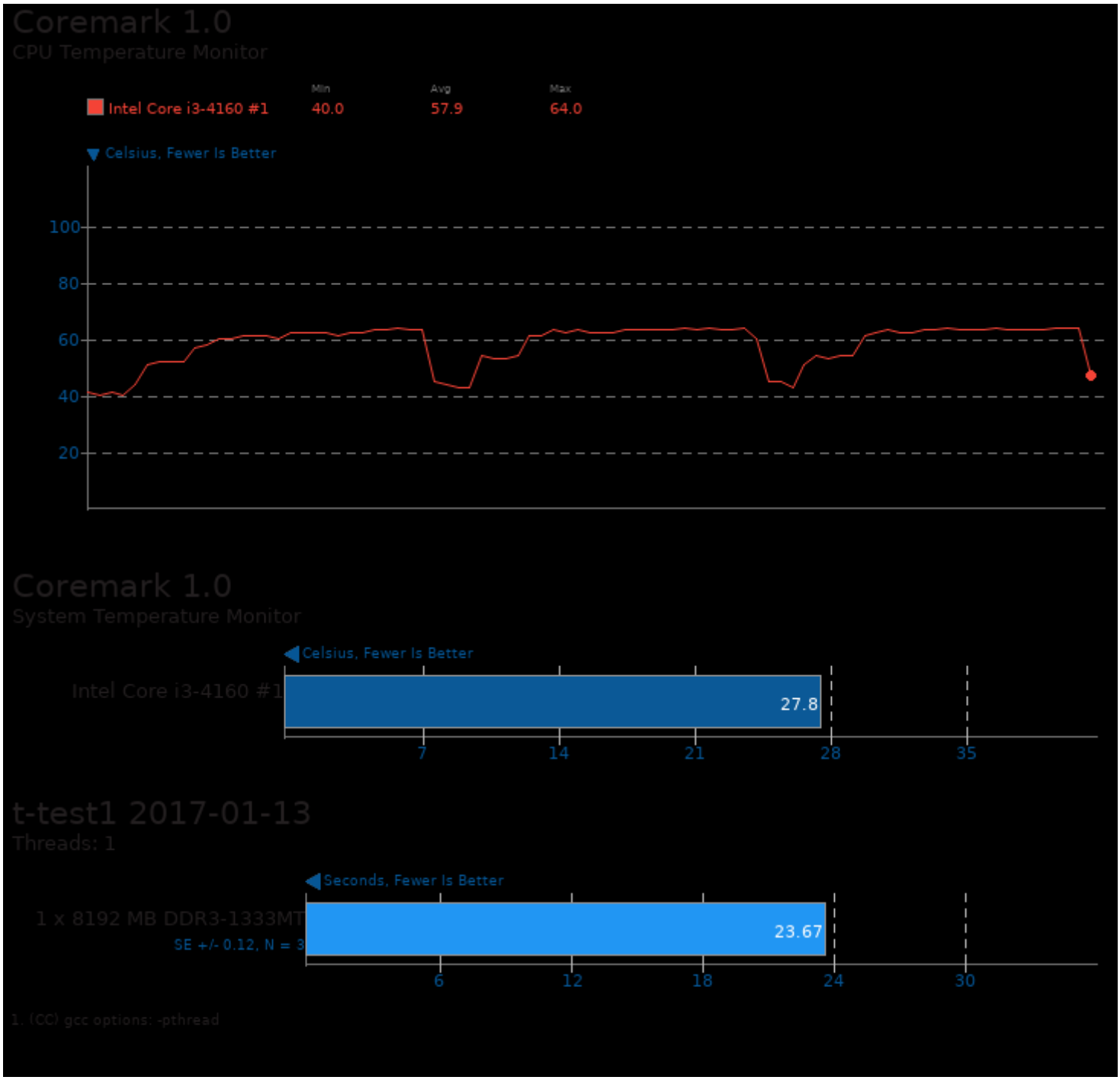
Processor: Intel Core i3-4160 @ 3.60GHz (2 Cores / 4 Threads), Motherboard: MSI B85M-P33 V2 (MS-7846) v2.0 (V12.1 BIOS), Chipset: Intel 4th Gen Core DRAM, Memory: 1 x 8192 MB DDR3-1333MT/s, Disk: Transcend 32GB, Graphics: MSI NVIDIA NVC3 1GB, Audio: Realtek ALC887-VD, Network: Realtek RTL8111/8168/8411

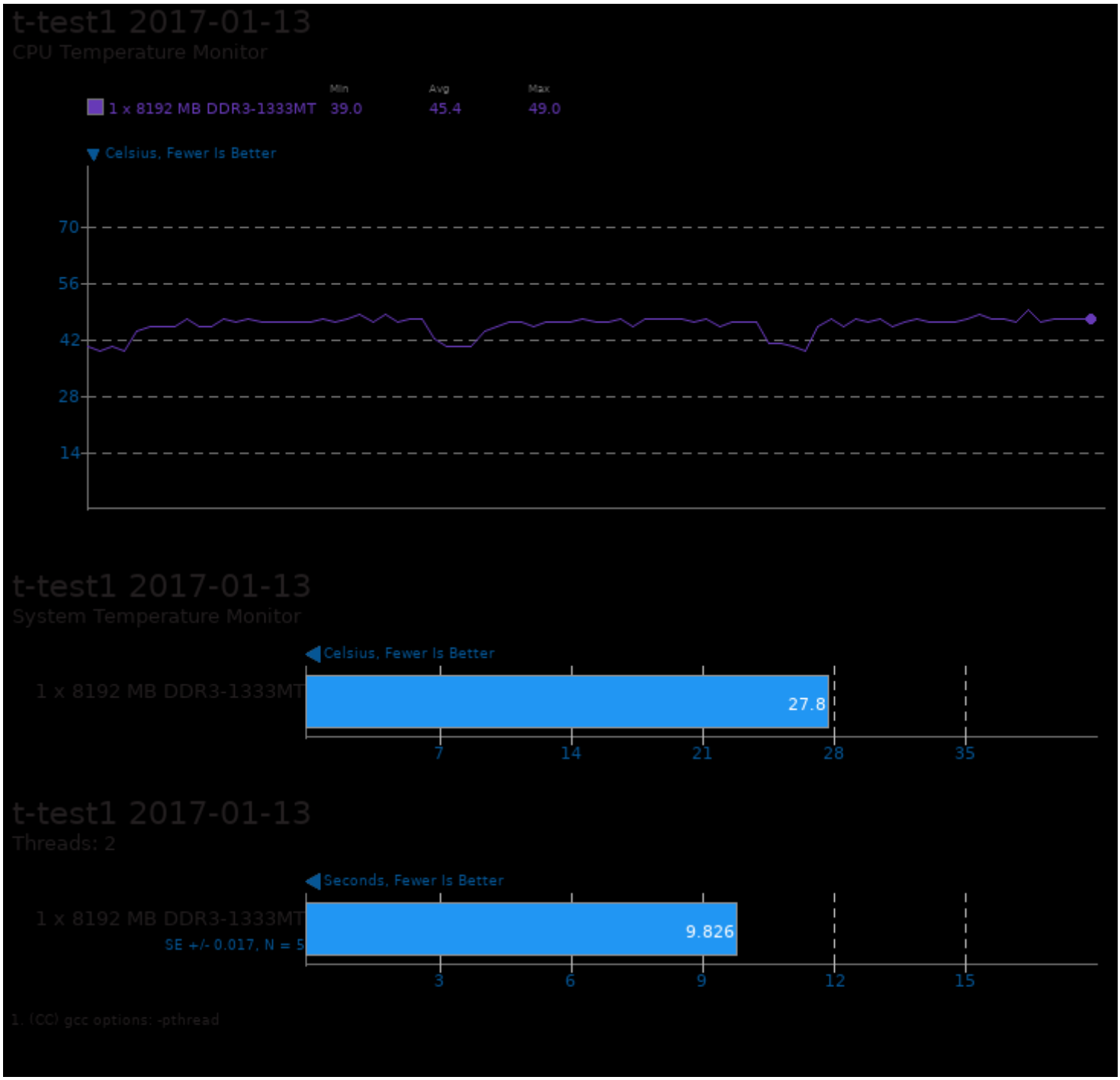
OS: Linuxmint 20.2, Kernel: 5.4.0-74-generic (x86_64), Display Server: X Server 1.20.11, Display Driver: nouveau, OpenGL: 4.3 Mesa 21.0.3, Compiler: GCC 9.4.0, File-System: overlayfs, Screen Resolution: 1920x1080

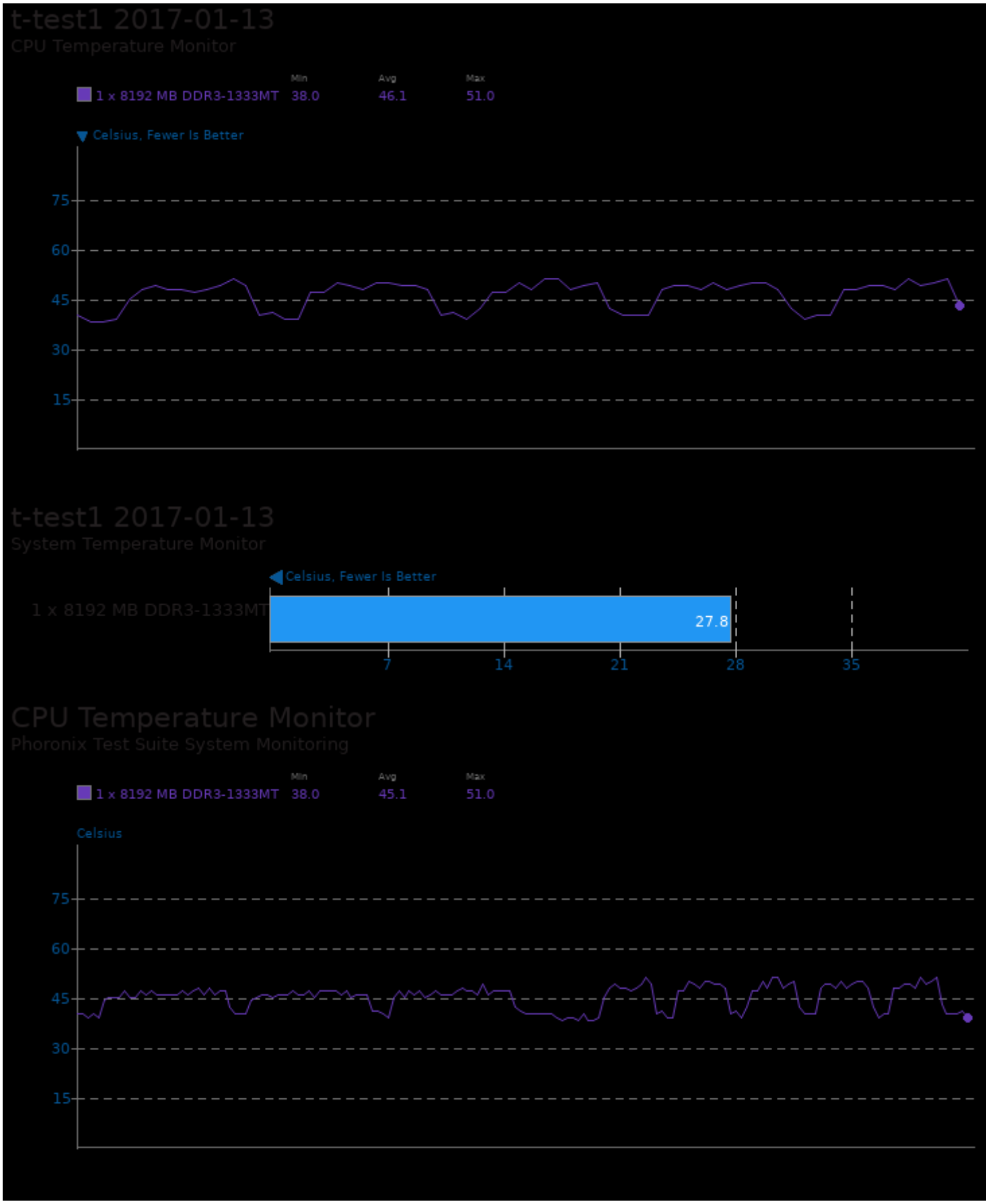
Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-Av3uEd/gcc-9-9.4.0/debian/tmp-nvptx/usr,hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate performance - CPU Microcode: 0x28 - Thermald 1.9.1
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear buffers; SMT vulnerable + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Not affected

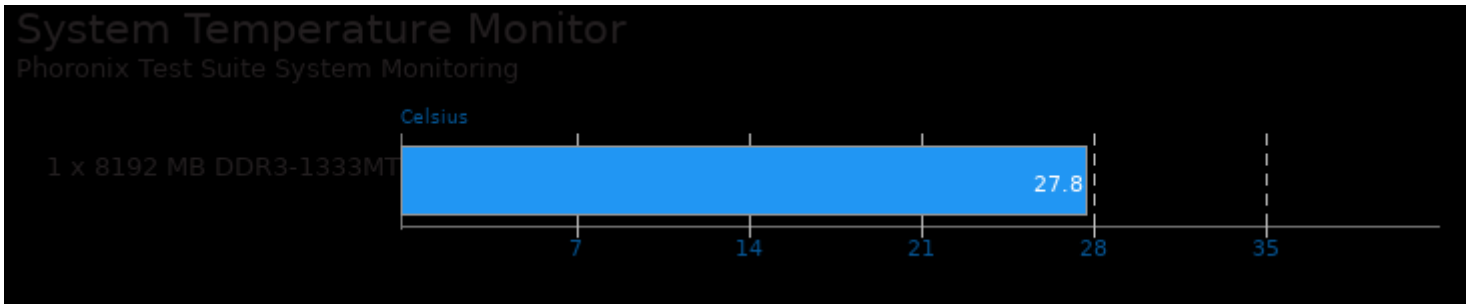
	Intel Core i3-4160 #1	Intel Core i3-4160 #2	1 x 8192 MB DDR3-1333MT
C-Ray - Total Time - 4.1.R.P.P (sec)	412.845		
Standard Deviation	0.1%		
Coremark - CoreMark Size 666 - I.P.S (Iterations/Sec)	70352		
Standard Deviation	0.1%		
t-test1 - 1 (sec)			23.673
Standard Deviation			0.9%
t-test1 - 2 (sec)			9.826
Standard Deviation			0.4%


C-Ray 1.1
Total Time - 4K, 16 Rays Per Pixel
Seconds, Fewer Is Better
Intel Core i3-4160 #1
SE +/- 0.13, N = 3
412.85
90
180
270
360
450
1. (CC) gcc options: -lm -lpthread -O3
C-Ray 1.1
CPU Temperature Monitor
Min
Avg
Max
Intel Core i3-4160 #1
34.0
64.7
68.0
Celsius, Fewer Is Better
100
80
60
40
20
C-Ray 1.1
System Temperature Monitor
Celsius, Fewer Is Better
Intel Core i3-4160 #1
27.8
7
14
21
28
35
Coremark 1.0
CoreMark Size 666 - Iterations Per Second
Iterations/Sec, More Is Better
Intel Core i3-4160 #1
SE +/- 25.79, N = 3
70352.37
15K
30K
45K
60K
75K
1. (CC) gcc options: -O2 -lrt" -lrt


Coremark 1.0
CPU Temperature Monitor
Min
Avg
Max
Intel Core i3-4160 #1
40.0
57.9
64.0
Celsius, Fewer Is Better
100
80
60
40
20
Coremark 1.0
System Temperature Monitor
Celsius, Fewer Is Better
Intel Core i3-4160 #1
27.8
7
14
21
28
35
t-test1 2017-01-13
Threads: 1
Seconds, Fewer Is Better
1 x 8192 MB DDR3-1333MT
SE +/- 0.12, N = 3
23.67
6
12
18
24
30
1. (CC) gcc options: -pthread


t-test1 2017-01-13
CPU Temperature Monitor
Min
Avg
Max
1 x 8192 MB DDR3-1333MT 39.0 45.4 49.0
Celsius, Fewer Is Better
70
56
42
28
14
t-test1 2017-01-13
System Temperature Monitor
Celsius, Fewer Is Better
1 x 8192 MB DDR3-1333MT
27.8
7
14
21
28
35
t-test1 2017-01-13
Threads: 2
Seconds, Fewer Is Better
1 x 8192 MB DDR3-1333MT
SE +/- 0.017, N = 5
9.826
3
6
9
12
15
1. (CC) gcc options: -pthread


t-test1 2017-01-13
CPU Temperature Monitor
Min
Avg
Max
1 x 8192 MB DDR3-1333MT
38.0
46.1
51.0
Celsius, Fewer Is Better
75
60
45
30
15
t-test1 2017-01-13
System Temperature Monitor
Celsius, Fewer Is Better
1 x 8192 MB DDR3-1333MT
27.8
7
14
21
28
35
CPU Temperature Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
1 x 8192 MB DDR3-1333MT
38.0
45.1
51.0
Celsius
75
60
45
30
15



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 09:10.