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smallpt1

AMD Ryzen 7 5800X 8-Core testing with a ASRock X570 Taichi (P3.61 BIOS) and eVGA NVIDIA GeForce RTX 3090 24GB on Arch rolling via the Phoronix Test Suite.

Test Systems:

smallpt1

Processor: Intel Core i5-3340M @ 3.40GHz (2 Cores / 4 Threads), Motherboard: TOSHIBA Portable PC (6.70 BIOS), Chipset: Intel 3rd Gen Core DRAM, Memory: 8192MB, Disk: 240GB CT240BX500SSD1 + 640GB + 500GB, Graphics: Intel Ivybridge Mobile 2GB (1250MHz), Audio: Realtek ALC269VB, Monitor: L185V, Network: Qualcomm Atheros AR8162 + Realtek RTL8188EE

OS: ManjaroLinux 18.1.1, Kernel: 5.3.7-2-MANJARO (x86_64), Display Server: X Server 1.20.5, Display Driver: intel 2.99.917, OpenGL: 4.2 Mesa 19.2.2, Compiler: GCC 9.2.0 + Clang 9.0.0 + LLVM 9.0.0, File-System: ext4, Screen Resolution: 2732x768

Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty

--enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++ --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: intel_pstate powersave
Security Notes: l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Vulnerable: Clear buffers attempted no microcode; SMT vulnerable + meltdown: Mitigation of PTI + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Full generic retpoline STIBP: disabled RSB filling

smallpt4

Processor: AMD Ryzen 3 3200G (4 Cores), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD Raven/Raven2, Memory: 16384MB, Disk: 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1385/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.2, Kernel: 5.4.0-1-MANJARO (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.5, OpenGL: 4.5 Mesa 19.2.3 (LLVM 9.0.0), Vulkan: 1.1.107, Compiler: GCC 9.2.0 + Clang 8.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff amdgpu.dcfeaturemask=2
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Security Notes: l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling

test

test2

Processor: AMD Ryzen 3 3200G @ 3.60GHz (4 Cores), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD Raven/Raven2, Memory: 16384MB, Disk: 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1380/1920MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.3, Kernel: 5.4.0-1-MANJARO (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.5, OpenGL: 4.5 Mesa 20.0.0-devel (git-2e64afa5e3) (LLVM 9.0.0), Vulkan: 1.1.107, Compiler: GCC 9.2.0 + Clang 8.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff amdgpu.dcfeaturemask=2
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq userspace
Security Notes: l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling

test3

Processor: AMD Ryzen 3 3200G (4 Cores), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD Raven/Raven2, Memory: 16384MB, Disk: 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1380/1920MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.3, Kernel: 5.4.0-1-MANJARO (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.5, OpenGL: 4.5 Mesa 20.0.0-devel (git-2e64afa5e3) (LLVM 9.0.0), Vulkan: 1.1.107, Compiler: GCC 9.2.0 + Clang 8.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff amdgpu.dcfeaturemask=2
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Security Notes: l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling

test4

Processor: AMD Ryzen 3 3200G (4 Cores), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD Raven/Raven2, Memory: 16384MB, Disk: 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 80GB + 500GB HGST HTS545050A7 + 240GB CT240BX500SSD1 + 16GB USB Flash Disk, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1380/1920MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.3, Kernel: 5.4.0-1-MANJARO (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.5, OpenGL: 4.5 Mesa 20.0.0-devel (git-2e64afa5e3) (LLVM 9.0.0), Vulkan: 1.1.107, Compiler: GCC 9.2.0 + Clang 8.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff amdgpu.dcfeaturemask=2
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Security Notes: l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling

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Processor: AMD Ryzen 3 3200G (4 Cores), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD Raven/Raven2, Memory: 16384MB, Disk: 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1380/1920MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.3, Kernel: 5.4.0-1-MANJARO (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.5, OpenGL: 4.5 Mesa 20.0.0-devel (git-2e64afa5e3) (LLVM 9.0.0), Vulkan: 1.1.107, Compiler: GCC 9.2.0 + Clang 8.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff amdgpu.dcfeaturemask=2
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Security Notes: l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling

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Processor: AMD Ryzen 3 3200G @ 3.60GHz (4 Cores), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD Raven/Raven2, Memory: 16384MB, Disk: 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 16GB USB Flash Disk + 500GB HGST HTS545050A7 + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1380/1920MHz), Audio: AMD Ellesmere HDMI Audio, Monitor:

L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.3, Kernel: 5.4.0-1-MANJARO (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.5, OpenGL: 4.5 Mesa 20.0.0-devel (git-2e64afa5e3) (LLVM 9.0.0), Vulkan: 1.1.107, Compiler: GCC 9.2.0 + Clang 8.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff amdgpu.dcfeaturemask=2
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq schedutil
Security Notes: l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling

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Processor: AMD Ryzen 3 3200G (4 Cores), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD Raven/Raven2, Memory: 16384MB, Disk: 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1380/1920MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.3, Kernel: 5.4.0-1-MANJARO (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.5, OpenGL: 4.5 Mesa 20.0.0-devel (git-2e64afa5e3) (LLVM 9.0.0), Vulkan: 1.1.107, Compiler: GCC 9.2.0 + Clang 8.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff amdgpu.dcfeaturemask=2
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Security Notes: l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling

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Processor: AMD Ryzen 3 3200G (4 Cores), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD Raven/Raven2, Memory: 16384MB, Disk: 80GB + 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1366/1750MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.3, Kernel: 5.4.0-2-MANJARO (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.6, OpenGL: 4.5 Mesa 19.2.6 (LLVM 9.0.0), Vulkan: 1.1.107, Compiler: GCC 9.2.0 + Clang 9.0.0 + LLVM 9.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

test9

Processor: AMD Ryzen 3 3200G (4 Cores), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD

Raven/Raven2, Memory: 16384MB, Disk: 80GB + 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1366/1750MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.3, Kernel: 5.4.1-2-MANJARO (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.6, OpenGL: 4.5 Mesa 19.2.6 (LLVM 9.0.0), Vulkan: 1.1.107, Compiler: GCC 9.2.0 + Clang 9.0.0 + LLVM 9.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

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Processor: AMD Ryzen 3 3200G (4 Cores), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD Raven/Raven2, Memory: 16384MB, Disk: 80GB + 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.3, Kernel: 5.4.1-2-MANJARO (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.6, OpenGL: 4.5 Mesa 19.2.6 (LLVM 9.0.0), Vulkan: 1.1.107, Compiler: GCC 9.2.0 + Clang 9.0.0 + LLVM 9.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

kernel 5.3.14

Processor: AMD Ryzen 3 3200G (4 Cores), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD Raven/Raven2, Memory: 16384MB, Disk: 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.3, Kernel: 5.3.14-1-MANJARO (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.6, OpenGL: 4.5 Mesa 19.2.6 (LLVM 9.0.0), Vulkan: 1.1.107, Compiler: GCC 9.2.0 + Clang 9.0.0 + LLVM 9.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

Ryzen 2600X

Processor: AMD Ryzen 5 2600X Six-Core @ 4.00GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 80GB + 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.4.2-arch1-1 (x86_64), Desktop: Budgie, Display Server: X Server 1.20.6, Display Driver: modesetting 1.20.6, OpenGL: 4.5 Mesa 19.2.7 (LLVM 9.0.0), OpenCL: OpenCL 1.1 Mesa 19.2.7, Vulkan: 1.1.107, Compiler: GCC 9.2.0 + Clang 9.0.0 + LLVM 9.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq schedutil - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

5.5-tkg

Processor: AMD Ryzen 5 2600X Six-Core @ 4.00GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.5.0-rc1-1-tkg-pds (x86_64), Desktop: Budgie, Display Server: X Server 1.20.6, Display Driver: modesetting 1.20.6, OpenGL: 4.5 Mesa 19.2.7 (LLVM 9.0.0), OpenCL: OpenCL 1.1 Mesa 19.2.7, Vulkan: 1.1.127, Compiler: GCC 9.2.0 + Clang 9.0.0 + LLVM 9.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

Precision Boost Overdrive

PBO 5.5-tkg

pbo3

Processor: AMD Ryzen 5 2600X Six-Core @ 3.60GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.5.0-rc1-1-tkg-pds (x86_64), Desktop: Budgie, Display Server: X Server 1.20.6, Display Driver: modesetting 1.20.6, OpenGL: 4.5 Mesa 20.0.0-devel (git-3409c06e26) (LLVM 9.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-3409c06e26), Vulkan: 1.1.127, Compiler: GCC 9.2.0 + Clang 9.0.0 + LLVM 9.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

5.5-rc

Gamemode

async

Processor: AMD Ryzen 5 2600X Six-Core @ 3.60GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.4, Kernel: 5.5.0-2-MANJARO (x86_64), Desktop: GNOME Shell 3.34.2, Display Server: X Server 1.20.6, OpenGL: 4.5 Mesa 19.3.0 (LLVM 9.0.0), Vulkan: 1.1.127, Compiler: GCC 9.2.0 + Clang 9.0.0 + LLVM 9.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

modesetting attempt

schedutil

Processor: AMD Ryzen 5 2600X Six-Core @ 3.60GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.5, Kernel: 5.4.6-2-MANJARO (x86_64), Desktop: GNOME Shell 3.34.2, Display Server: X Server 1.20.6, OpenGL: 4.5 Mesa 20.0.0-devel (git-3409c06e26) (LLVM 9.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-3409c06e26), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.0 + LLVM 9.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq schedutil - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

4.0GHz

Processor: AMD Ryzen 5 2600X Six-Core @ 4.00GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.5, Kernel: 5.4.6-2-MANJARO (x86_64), Display Server: X Server 1.20.6, OpenGL: 4.5 Mesa 20.0.0-devel (git-3409c06e26) (LLVM 9.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-3409c06e26), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.0 + LLVM 9.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

fsync kernel

Processor: AMD Ryzen 5 2600X Six-Core @ 4.00GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.5, Kernel: 5.4.3-arch1-1-fsync (x86_64), Desktop: KDE Frameworks 5.65.0, Display Server: X Server 1.20.6, OpenGL: 4.5 Mesa 20.0.0-devel (git-3409c06e26) (LLVM 9.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-3409c06e26), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

Arch Linux

Processor: AMD Ryzen 5 2600X Six-Core @ 4.03GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 +

80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.5.0-rc1-1-tkg-pds (x86_64), Desktop: GNOME Shell 3.34.2, Display Server: X Server 1.20.6, Display Driver: modesetting 1.20.6, OpenGL: 4.5 Mesa 20.0.0-devel (git-3409c06e26) (LLVM 9.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-3409c06e26), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

Manjaro-TKG-5.5-PDS

Processor: AMD Ryzen 5 2600X Six-Core (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1420/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.5, Kernel: 5.5.0-rc4-3-tkg-pds (x86_64), Display Server: X Server 1.20.6, OpenGL: 4.5 Mesa 20.0.0-devel (git-3409c06e26) (LLVM 9.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-3409c06e26), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

Arch with fsync kernel 5.4.3

Processor: AMD Ryzen 5 2600X Six-Core @ 4.00GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.4.3-arch1-1-fsync (x86_64), Display Server: X Server 1.20.6, OpenGL: 4.5 Mesa 20.0.0-devel (git-3409c06e26) (LLVM 9.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-3409c06e26), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty

--enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq schedutil - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

ArchLinuxZenPBO

Processor: AMD Ryzen 5 2600X Six-Core (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.4.7-zen1-1-zen (x86_64), Desktop: KDE Plasma 5.17.4, Display Server: X Server 1.20.6, Display Driver: modesetting 1.20.6, OpenGL: 4.5 Mesa 20.0.0-devel (git-3409c06e26) (LLVM 9.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-3409c06e26), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

New paste

zenstates oc

Processor: AMD Ryzen 5 2600X Six-Core @ 3.60GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.4.8-zen1-1-zen (x86_64), Desktop: KDE Plasma 5.17.4, Display Server: X Server 1.20.6, Display Driver: modesetting 1.20.6, OpenGL: 4.5 Mesa 20.0.0-devel (git-3409c06e26) (LLVM 9.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-3409c06e26), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

Arch 5.5-tkg

Processor: AMD Ryzen 5 2600X Six-Core (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS),

Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1390/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.5.0-rc4-3-tkg-pds (x86_64), Display Server: X Server 1.20.6, Display Driver: modesetting 1.20.6, OpenGL: 4.5 Mesa 20.0.0-devel (git-3409c06e26) (LLVM 9.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-3409c06e26), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

Lower PBO

Processor: AMD Ryzen 5 2600X Six-Core (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1420/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.5.0-rc4-3-tkg-pds (x86_64), Desktop: KDE Plasma 5.17.4, Display Server: X Server 1.20.6, OpenGL: 4.5 Mesa 20.0.0-devel (git-3409c06e26) (LLVM 9.0.1), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-3409c06e26), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

Arch 5.4.8

Processor: AMD Ryzen 5 2600X Six-Core @ 4.00GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 80GB + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 16GB USB Flash Disk + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1420/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.4.8-arch1-1 (x86_64), Display Server: X Server 1.20.6, OpenGL: 4.6 Mesa 20.0.0-devel (git-7b444ba5ef) (LLVM 9.0.1), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-7b444ba5ef), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff

Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

4G

Processor: AMD Ryzen 5 2600X Six-Core (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 240GB CT240BX500SSD1 + 500GB HGST HTS545050A7, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1386/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.5, Kernel: 5.5.0-rc5-4-tkg-acpi (x86_64), Desktop: GNOME Shell 3.34.3, Display Server: X Server 1.20.7, OpenGL: 4.6 Mesa 20.0.0-devel (git-6e1411c9e8) (LLVM 9.0.1), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-6e1411c9e8), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

4075

Processor: AMD Ryzen 5 2600X Six-Core @ 4.08GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 240GB CT240BX500SSD1, Graphics: XFX AMD Radeon RX 470/480/570/570X/580/580X/590 4GB (1386/1900MHz), Audio: AMD Ellesmere HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 18.1.5, Kernel: 5.5.0-rc6-6-tkg-acpi (x86_64), Desktop: GNOME Shell 3.34.3, Display Server: X Server 1.20.7, OpenGL: 4.6 Mesa 20.0.0-devel (git-6e1411c9e8) (LLVM 9.0.1), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-6e1411c9e8), Vulkan: 1.1.129, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

noacpi-pbo

Processor: AMD Ryzen 5 2600X Six-Core (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16GB, Disk: HP SSD EX900 120GB + 500GB + 240GB CT240BX500SSD1 + 2 x 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 16GB USB Flash Disk, Graphics: Sapphire AMD

Radeon RX 5700 / XT 6GB (1820/930MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.5.1-9-noacpi-nopatch (x86_64), Display Server: X Server 1.20.7, OpenGL: 4.6 Mesa 20.0.0-devel (git-02658df152) (LLVM 9.0.1), OpenCL: OpenCL 1.1 Mesa 20.0.0-devel (git-02658df152), Vulkan: 1.1.130, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff
Environment Notes: AMD_DEBUG=nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

Deepcool

Processor: AMD Ryzen 5 2600X Six-Core @ 3.60GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16GB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB + 2 x 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 16GB USB Flash Disk, Graphics: Sapphire AMD Radeon RX 5700 / XT 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.5.2-11-tkg-pds (x86_64), Display Server: X Server 1.20.7, OpenGL: 4.6 Mesa 20.0.0-rc1 (git-14c0d58c7f) (LLVM 9.0.1), OpenCL: OpenCL 1.1 Mesa 20.0.0-rc1 (git-14c0d58c7f), Vulkan: 1.1.130, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff
Environment Notes: AMD_DEBUG=nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

muqss

Processor: AMD Ryzen 5 2600X Six-Core @ 4.08GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16GB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB + 2 x 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 16GB USB Flash Disk, Graphics: Sapphire AMD Radeon RX 5700 / XT 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.5.2-12-tkg-muqss (x86_64), Display Server: X Server 1.20.7, OpenGL: 4.6 Mesa 20.1.0-devel (git-35961b10da) (LLVM 9.0.1), OpenCL: OpenCL 1.1 Mesa 20.1.0-devel (git-35961b10da), Vulkan: 1.1.130, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff
Environment Notes: AMD_DEBUG=nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

5.6

Processor: AMD Ryzen 5 2600X Six-Core (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16GB, Disk: HP SSD EX900 120GB + 500GB + 240GB CT240BX500SSD1 + 2 x 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 16GB USB Flash Disk, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Arch rolling, Kernel: 5.6.0-rc1-1-tkg-pds (x86_64), Display Server: X Server 1.20.7, OpenGL: 4.6 Mesa 20.1.0-devel (git-35961b10da) (LLVM 9.0.1), OpenCL: OpenCL 1.1 Mesa 20.1.0-devel (git-35961b10da), Vulkan: 1.1.130, Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff
Environment Notes: AMD_DEBUG=nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

fancontrol

Processor: AMD Ryzen 5 2600X Six-Core (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB + 2 x 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 16GB USB Flash Disk, Graphics: Sapphire AMD Radeon RX 5700 / XT 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 19.0.0, Kernel: 5.6.0-rc1-1-tkg-pds (x86_64), Desktop: Xfce 4.14, Display Server: X Server 1.20.7, Display Driver: modesetting 1.20.7, OpenGL: 4.5 Mesa 19.3.4 (LLVM 9.0.1), Compiler: GCC 9.2.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Environment Notes: AMD_DEBUG=nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

noacpi-5.6

Processor: AMD Ryzen 5 2600X Six-Core @ 4.05GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB + 2 x 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 16GB USB Flash Disk, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 19.0, Kernel: 5.6.0-rc2-1-tkg-pds (x86_64), Display Server: X Server 1.20.7, Display Driver: modesetting 1.20.7, OpenGL: 4.5 Mesa 19.3.4 (LLVM 9.0.1), Vulkan: 1.1.107, Compiler: GCC 9.2.1 20200130 + Clang

9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff
Environment Notes: AMD_DEBUG=nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

5.6-tkg-pds-acpi

5.6-tkg-acpi-nmon

4100-5.6

Processor: AMD Ryzen 5 2600X Six-Core @ 4.05GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB + 2 x 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 19.0, Kernel: 5.6.0-rc2-1-tkg-pds (x86_64), Display Server: X Server 1.20.7, Display Driver: modesetting 1.20.7, OpenGL: 4.6 Mesa 20.1.0-devel (git-740cb3d193) (LLVM 11.0.0), Vulkan: 1.2.131, Compiler: GCC 9.2.1 20200130 + Clang 11.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff amdgpu.dc=1
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

5.6-tkg-acpi-pbo

4150

Processor: AMD Ryzen 5 2600X Six-Core @ 3.60GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB + 2 x 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 19.0, Kernel: 5.6.0-rc2-1-tkg-pds (x86_64), Display Server: X Server 1.20.7, Display Driver: modesetting 1.20.7, OpenGL: 4.6 Mesa 20.1.0-devel (git-740cb3d193) (LLVM 11.0.0), Vulkan: 1.2.131, Compiler: GCC 9.2.1 20200130 + Clang 11.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff amdgpu.dc=1
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

bmq

bmq2

Processor: AMD Ryzen 5 2600X Six-Core @ 4.08GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB + 2 x 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 19.0, Kernel: 5.5.4-15-tkg-bmq (x86_64), Display Server: X Server 1.20.7, Display Driver: modesetting 1.20.7, OpenGL: 4.6 Mesa 20.1.0-devel (git-5de8bc7c75) (LLVM 11.0.0), Vulkan: 1.2.131, Compiler: GCC 9.2.1 20200130 + Clang 11.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff amdgpu.dc=1
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

Vanilla Manjaro 5.6-rc2

Processor: AMD Ryzen 5 2600X Six-Core @ 4.08GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB + 2 x 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ManjaroLinux 19.0, Kernel: 5.6.0-2-MANJARO (x86_64), Display Server: X Server 1.20.7, Display Driver: modesetting 1.20.7, OpenGL: 4.6 Mesa 20.1.0-devel (git-5de8bc7c75) (LLVM 11.0.0), Vulkan: 1.2.131, Compiler: GCC 9.2.1 20200130 + Clang 11.0.0, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff amdgpu.dc=1
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

ArcoLinux

ArcoLinux 4100

Processor: AMD Ryzen 5 2600X Six-Core @ 4.05GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.20 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB + 2 x 500GB Seagate ST500LT012-1DG14 + 640GB TOSHIBA MK6475GS + 16GB USB Flash Disk, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ArcoLinuxD v20.2.12, Kernel: 5.6.0-rc4-1-tkg-pds (x86_64), Desktop: Budgie, Display Server: X Server 1.20.7, Display Driver: modesetting 1.20.7, OpenGL: 4.5 Mesa 19.3.4 (LLVM 9.0.1), OpenCL: OpenCL 1.1 Mesa 19.3.4, Vulkan: 1.2.131, Compiler: GCC 9.2.1 20200130 + Clang 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

arcoPBO

Processor: AMD Ryzen 5 2600X Six-Core @ 3.60GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.70 BIOS), Chipset: AMD 17h, Memory: 16384MB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB + 500GB HGST HTS545050A7 + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 16GB USB Flash Disk, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ArcoLinuxD v20.2.12, Kernel: 5.6.0-rc4-1-tkg-pds (x86_64), Desktop: GNOME Shell 3.36.0, Display Server: X Server 1.20.7, OpenGL: 4.6 Mesa 20.0.0 (git-7a965bd4c3) (LLVM 9.0.1), OpenCL: OpenCL 2.1 AMD-APP (3004.6) + OpenCL 1.1 Mesa 20.0.0 (git-7a965bd4c3), Vulkan: 1.2.131, Compiler: GCC 9.2.1 20200130 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff
Environment Notes: AMD_DEBUG=nodma
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

New arco

Arco4100

Processor: AMD Ryzen 5 2600X Six-Core @ 4.05GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.70 BIOS), Chipset: AMD 17h, Memory: 16GB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB + 500GB HGST HTS545050A7 + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 16GB USB Flash Disk, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ArcoLinuxB-plasma v20.3.3, Kernel: 5.6.0-rc5-1-tkg-pds-00326-gccc9b5c40c99 (x86_64), Desktop: KDE Plasma 5.18.3, Display Server: X Server 1.20.7, Display Driver: modesetting 1.20.7, OpenGL: 4.6 Mesa 20.1.0-devel (git-7ac8bb33cd) (LLVM 11.0.0), Vulkan: 1.1.129, Compiler: GCC 9.3.0 + Clang 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Environment Notes: AMD_DEBUG=nongg,nodma
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

arco4075

Processor: AMD Ryzen 5 2600X Six-Core @ 4.08GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.70 BIOS), Chipset: AMD 17h, Memory: 16GB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB + 500GB HGST HTS545050A7 + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 16GB USB Flash Disk, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1725/820MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: L185V + E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ArcoLinuxB-plasma v20.3.3, Kernel: 5.6.0-rc5-1-tkg-pds-00326-gccc9b5c40c99 (x86_64), Desktop: KDE Plasma 5.18.3, Display Server: X Server 1.20.7, Display Driver: modesetting 1.20.7, OpenGL: 4.6 Mesa 20.1.0-devel (git-84e707e6f2) (LLVM 11.0.0), Vulkan: 1.2.128, Compiler: GCC 9.3.0 + Clang 9.0.1, File-System: ext4, Screen Resolution: 3286x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Environment Notes: AMD_DEBUG=nongg,nodma
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x800820d
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: disabled RSB filling + tsx_async_abort: Not affected

3600x pbo1

Processor: AMD Ryzen 5 3600X 6-Core @ 3.80GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB HGST HTS545050A7 + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 500GB + 16GB USB Flash Disk, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1725/820MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ArcoLinuxB-plasma v20.4.10, Kernel: 5.6.3-8.2-tkg-pds-00192-g552f15a96825 (x86_64), Display Server: X Server 1.20.8, OpenGL: 4.6 Mesa 20.1.0-devel (git-acf7e73be5) (LLVM 9.0.1), OpenCL: OpenCL 2.1 AMD-APP (3004.6) + OpenCL 1.1 Mesa 20.1.0-devel (git-acf7e73be5), Vulkan: 1.2.128, Compiler: GCC 9.3.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

3600X PBO 2 3200MHz RAM

Processor: AMD Ryzen 5 3600X 6-Core @ 3.80GHz (6 Cores / 12 Threads), Motherboard: ASRock B450M/ac (P1.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: HP SSD EX900 120GB + 240GB CT240BX500SSD1 + 500GB HGST HTS545050A7 + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 500GB + 16GB USB Flash Disk, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1790/860MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: E420i-B0, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: ArcoLinuxB-plasma v20.4.10, Kernel: 5.6.4-9-tkg-pds (x86_64), Display Server: X Server 1.20.8, OpenGL: 4.6 Mesa 20.1.0-devel (git-acf7e73be5) (LLVM 9.0.1), OpenCL: OpenCL 2.1 AMD-APP (3004.6) + OpenCL 1.1 Mesa 20.1.0-devel (git-acf7e73be5), Vulkan: 1.2.128, Compiler: GCC 9.3.0 + Clang 9.0.1 + LLVM 9.0.1, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

3600X X570 Taichi

Processor: AMD Ryzen 5 3600X 6-Core @ 3.80GHz (6 Cores / 12 Threads), Motherboard: ASRock X570 Taichi (P2.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: HP SSD EX900 120GB + 640GB TOSHIBA MK6475GS + 240GB CT240BX500SSD1 + 500GB HGST HTS545050A7 + 1000GB Samsung SSD 860 + 500GB + 16GB USB Flash Disk, Graphics: Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB (1780/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: VG27WQ + E420i-B0, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: ArcoLinuxB-plasma v20.4.10, Kernel: 5.6.2-5-tkg-pds (x86_64), Display Server: X Server 1.20.8, OpenGL: 4.6 Mesa 20.1.0-devel (git-adeef43d15) (LLVM 11.0.0), OpenCL: OpenCL 2.1 AMD-APP (3004.6), Vulkan: 1.2.128, Compiler: GCC 9.3.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 4480x1440

Kernel Notes: amdgpu.ppfeaturemask=0xfffd7fff
Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

3600X Zenstates

Processor: AMD Ryzen 5 3600X 6-Core @ 3.80GHz (6 Cores / 12 Threads), Motherboard: ASRock X570 Taichi (P2.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: HP SSD EX900 120GB + 500GB + 640GB TOSHIBA MK6475GS + 240GB CT240BX500SSD1 + 500GB HGST HTS545050A7 + 1000GB Samsung SSD 860 + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2065/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: VG27WQ + 43S421, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: ManjaroLinux 20.0.1, Kernel: 5.7.0-rc3-1-tkg-pds (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.0.6 (LLVM 10.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.6, Vulkan: 1.2.128, Compiler: GCC 9.3.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 6400x2160

Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

4250 OC

3600X @ 4250MHz

Processor: AMD Ryzen 5 3600X 6-Core @ 4.25GHz (6 Cores / 12 Threads), Motherboard: ASRock X570 Taichi (P2.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: HP SSD EX900 120GB + 640GB TOSHIBA MK6475GS + 240GB CT240BX500SSD1 + 500GB HGST HTS545050A7 + 1000GB Samsung SSD 860 + 500GB + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2070/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: VG27WQ + 43S421, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: ManjaroLinux 20.0.1, Kernel: 5.6.10-3-MANJARO (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.8, Display Driver: vesa 2.4.0, OpenGL: 4.6 Mesa 20.0.6 (LLVM 10.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.6, Vulkan: 1.2.128, Compiler: GCC 9.3.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 6400x2160

Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

3600X 4250MHz 5.7-rc4-tkg

4250 1.3

Processor: AMD Ryzen 5 3600X 6-Core @ 4.25GHz (6 Cores / 12 Threads), Motherboard: ASRock X570 Taichi (P2.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: HP SSD EX900 120GB + 500GB + 640GB TOSHIBA MK6475GS + 240GB CT240BX500SSD1 + 500GB HGST HTS545050A7 + 1000GB Samsung SSD 860 + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2065/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: VG27WQ + 43S421, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: ManjaroLinux 20.0.1, Kernel: 5.7.0-rc4-1-tkg-pds (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.8, OpenGL: 4.6 Mesa 20.0.6 (LLVM 10.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.6, Vulkan: 1.2.128, Compiler: GCC 9.3.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 6400x2160

Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

2400ram

Processor: AMD Ryzen 5 3600X 6-Core @ 3.80GHz (6 Cores / 12 Threads), Motherboard: ASRock X570 Taichi (P2.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: HP SSD EX900 120GB + 500GB + 640GB TOSHIBA MK6475GS + 240GB CT240BX500SSD1 + 500GB HGST HTS545050A7 + 1000GB Samsung SSD 860 + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2065/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: VG27WQ + 43S421, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: ManjaroLinux 20.0.1, Kernel: 5.7.0-rc4-1-tkg-pds (x86_64), Desktop: Deepin Desktop Environment, Display Server:

X Server 1.20.8, OpenGL: 4.6 Mesa 20.0.6 (LLVM 10.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.6, Vulkan: 1.2.128, Compiler: GCC 9.3.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 6400x2160

Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

G.Skill

Processor: AMD Ryzen 5 3600X 6-Core @ 3.80GHz (6 Cores / 12 Threads), Motherboard: ASRock X570 Taichi (P2.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 1024GB TEAM TM8FP4001T + HP SSD EX900 120GB + 500GB + 240GB CT240BX500SSD1 + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 1000GB Samsung SSD 860 + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2070/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: VG27WQ + 43S421, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: ManjaroLinux 20.0.1, Kernel: 5.7.0-rc4-1-tkg-pds (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.0.6 (LLVM 10.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.6, Vulkan: 1.2.128, Compiler: GCC 9.3.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 6400x2160

Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

3800X Test 1

3800X2

Processor: AMD Ryzen 7 3800X 8-Core @ 3.90GHz (8 Cores / 16 Threads), Motherboard: ASRock X570 Taichi (P2.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 1024GB TEAM TM8FP4001T + HP SSD EX900 120GB + 500GB + 240GB CT240BX500SSD1 + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 1000GB Samsung SSD 860 + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2105/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: VG27WQ + 43S421, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: ManjaroLinux 20.0.1, Kernel: 5.7.0-rc5-1-tkg-pds (x86_64), Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.0.6 (LLVM 10.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.6, Vulkan: 1.2.128, Compiler: GCC 10.1.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 6400x2160

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff
Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

3800X 2 CPU fans

Processor: AMD Ryzen 7 3800X 8-Core @ 3.90GHz (8 Cores / 16 Threads), Motherboard: ASRock X570 Taichi (P2.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 1024GB TEAM TM8FP4001T + HP SSD EX900 120GB + 500GB + 240GB CT240BX500SSD1 + 640GB TOSHIBA MK6475GS + 500GB HGST HTS545050A7 + 1000GB Samsung SSD 860 + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2105/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: VG27WQ + 43S421, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: ManjaroLinux 20.0.1, Kernel: 5.7.0-rc5-1-tkg-pds (x86_64), Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.0.7 (LLVM 10.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.7, Vulkan: 1.2.128, Compiler: GCC 10.1.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 6400x2160

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff
Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

first aio

Processor: AMD Ryzen 7 3800X 8-Core @ 3.90GHz (8 Cores / 16 Threads), Motherboard: ASRock X570 Taichi (P2.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 2 x 1024GB TEAM TM8FP4001T + 2 x 500GB + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2105/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: 43S421 + VG27WQ, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: ManjaroLinux 20.0.1, Kernel: 5.7.0-rc6-1-tkg-pds (x86_64), Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.0.7 (LLVM 10.0.0), OpenCL: OpenCL 1.1 Mesa 20.0.7, Vulkan: 1.2.128, Compiler: GCC 10.1.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 6400x2160

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff
Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

3800X 4350 1.4v 5.7-rc7 tkg-pds

3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100

3800X 4350 pds run 3

Processor: AMD Ryzen 7 3800X 8-Core @ 2.80GHz (8 Cores / 16 Threads), Motherboard: ASRock X570 Taichi (P2.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 2 x 1024GB TEAM TM8FP4001T + 500GB + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX

5600 OEM/5600 XT / 5700/5700 8GB (2090/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: G32QC + VG27WQ + 43S421, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: Arch rolling, Kernel: 5.7.0-rc7-1-tkg-pds (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.0.7 (LLVM 10.0.0), OpenCL: OpenCL 2.1 AMD-APP (3075.10) + OpenCL 1.1 Mesa 20.0.7, Vulkan: 1.2.128, Compiler: GCC 10.1.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 8960x2160

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff
Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

3800X 4.4GHz

Processor: AMD Ryzen 7 3800X 8-Core @ 4.40GHz (8 Cores / 16 Threads), Motherboard: ASRock X570 Taichi (P2.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 16GB, Disk: 2 x 1024GB TEAM TM8FP4001T + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 500GB, Graphics: Gigabyte AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2010/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: G32QC + VG27WQ + 43S421, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: Arch rolling, Kernel: 5.7.1-3-tkg-pds (x86_64), Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.1.1 (LLVM 10.0.0), OpenCL: OpenCL 2.1 AMD-APP (3110.6), Vulkan: 1.2.131, Compiler: GCC 10.1.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 8960x2160

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff amdgpu.dcfeaturemask=1
Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + tsx_async_abort: Not affected

4400 3800X 1.33V

3800X 4400MHz 1.3V

Processor: AMD Ryzen 7 3800X 8-Core @ 4.40GHz (8 Cores / 16 Threads), Motherboard: ASRock X570 Taichi (P2.70 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 2 x 1024GB TEAM TM8FP4001T + 500GB + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2060/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: G32QC + VG27WQ + 43S421, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: Arch rolling, Kernel: 5.8.0-rc2-1-tkg-pds (x86_64), Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.1.2 (LLVM 10.0.0), OpenCL: OpenCL 2.1 AMD-APP (3110.6) + OpenCL 1.1 Mesa 20.1.2, Vulkan: 1.2.131, Compiler: GCC 10.1.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 8960x2160

Kernel Notes: amdgpu.ppfeaturemask=0xffffffff amdgpu.dcfeaturemask=1

Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

New BIOS

Processor: AMD Ryzen 7 3800X 8-Core @ 3.90GHz (8 Cores / 16 Threads), Motherboard: ASRock X570 Taichi (P3.20 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 2 x 1024GB TEAM TM8FP4001T + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 500GB + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2060/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: G32QC + VG27WQ + 43S421, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: Arch rolling, Kernel: 5.7.9-arch1-1 (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.1.3 (LLVM 10.0.0), OpenCL: OpenCL 2.1 AMD-APP (3110.6) + OpenCL 1.1 Mesa 20.1.3, Vulkan: 1.2.131, Compiler: GCC 10.1.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 8966x2160

Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701021
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

ugh

Processor: AMD Ryzen 7 3800X 8-Core @ 3.90GHz (8 Cores / 16 Threads), Motherboard: ASRock X570 Taichi (P3.20 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 2 x 1024GB TEAM TM8FP4001T + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 500GB + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 8GB (2060/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: G32QC + VG27WQ + 43S421, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: Arch rolling, Kernel: 5.8.0-rc6-1-tkg-pds (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.1.3 (LLVM 10.0.0), OpenCL: OpenCL 2.1 AMD-APP (3110.6) + OpenCL 1.1 Mesa 20.1.3, Vulkan: 1.2.131, Compiler: GCC 10.1.0 + Clang 10.0.0 + LLVM 10.0.0, File-System: ext4, Screen Resolution: 8966x2160

Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701021
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

3.00 BIOS

Processor: AMD Ryzen 7 3800X 8-Core @ 3.90GHz (8 Cores / 16 Threads), Motherboard: ASRock X570 Taichi (P3.00 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 3 x 1024GB TEAM TM8FP4001T + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 500GB + 16GB USB Flash Disk, Graphics: Gigabyte AMD Radeon RX

5600 OEM/5600 XT / 5700/5700 8GB (2065/875MHz), Audio: AMD Navi 10 HDMI Audio, Monitor: G32QC + VG27WQ, Network: Intel I211 + Intel Wi-Fi 6 AX200

OS: ManjaroLinux 20.1, Kernel: 5.8.3-6-tkg-pds (x86_64), Desktop: KDE Plasma 5.19.4, Display Server: X Server 1.20.8, Display Driver: modesetting 1.20.8, OpenGL: 4.6 Mesa 20.1.6 (LLVM 10.0.1), Vulkan: 1.2.131, Compiler: GCC 10.2.0 + Clang 10.0.1 + LLVM 10.0.1, File-System: ext4, Screen Resolution: 5120x1440

Environment Notes: AMD_DEBUG=nodma,nongg
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0x8701013
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional STIBP: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

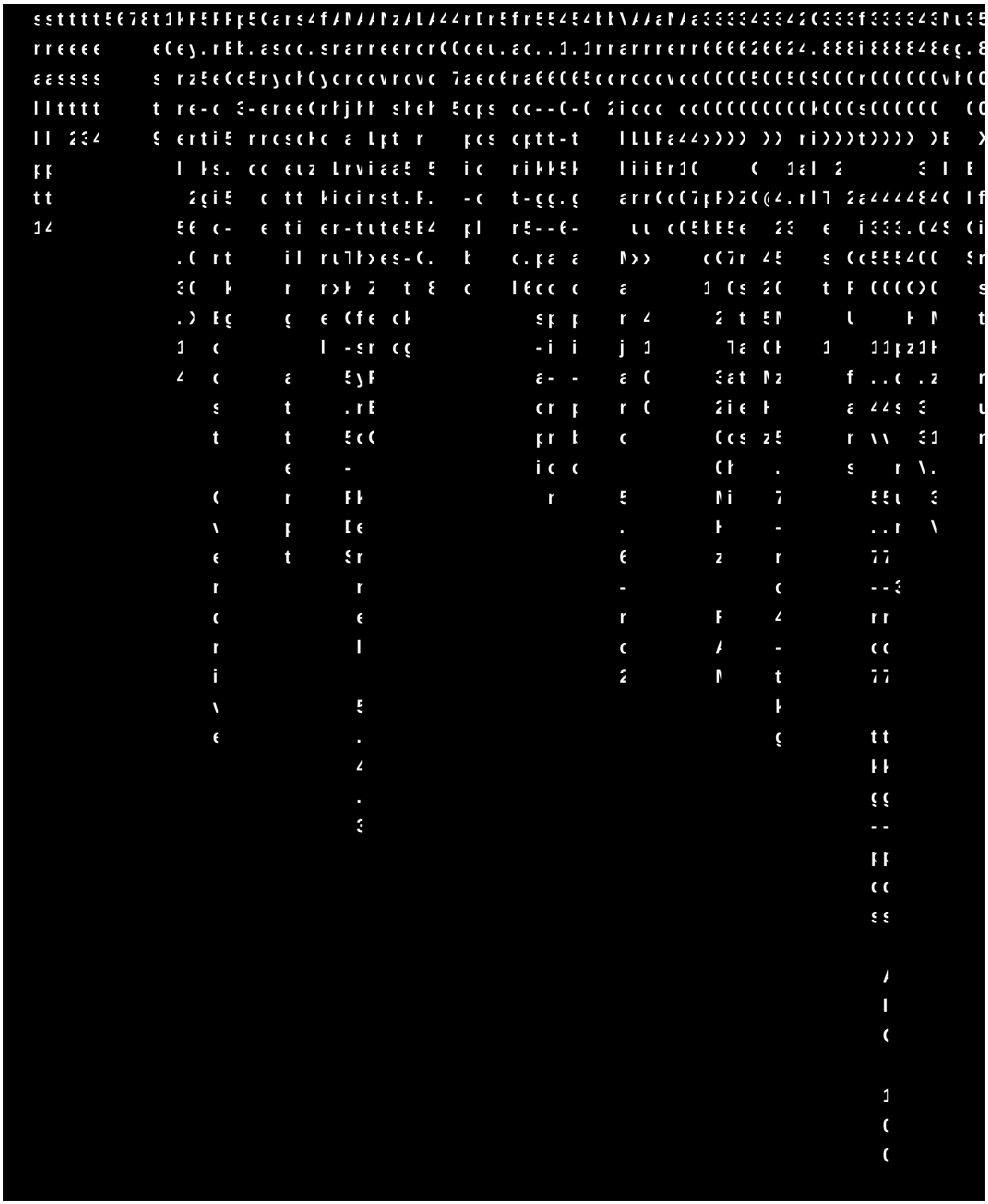
5800X first run

Processor: AMD Ryzen 7 5800X 8-Core @ 3.80GHz (8 Cores / 16 Threads), Motherboard: ASRock X570 Taichi (P3.61 BIOS), Chipset: AMD Starship/Matisse, Memory: 32GB, Disk: 3 x 1024GB TEAM TM8FP4001T + 1000GB Samsung SSD 870 + 640GB TOSHIBA MK6475GS + 1000GB Samsung SSD 860 + 500GB + 16GB USB Flash Disk, Graphics: eVGA NVIDIA GeForce RTX 3090 24GB (1725/9851MHz), Audio: NVIDIA Device 1aef, Monitor: G32QC, Network: Intel I211 + Intel Wi-Fi 6 AX200

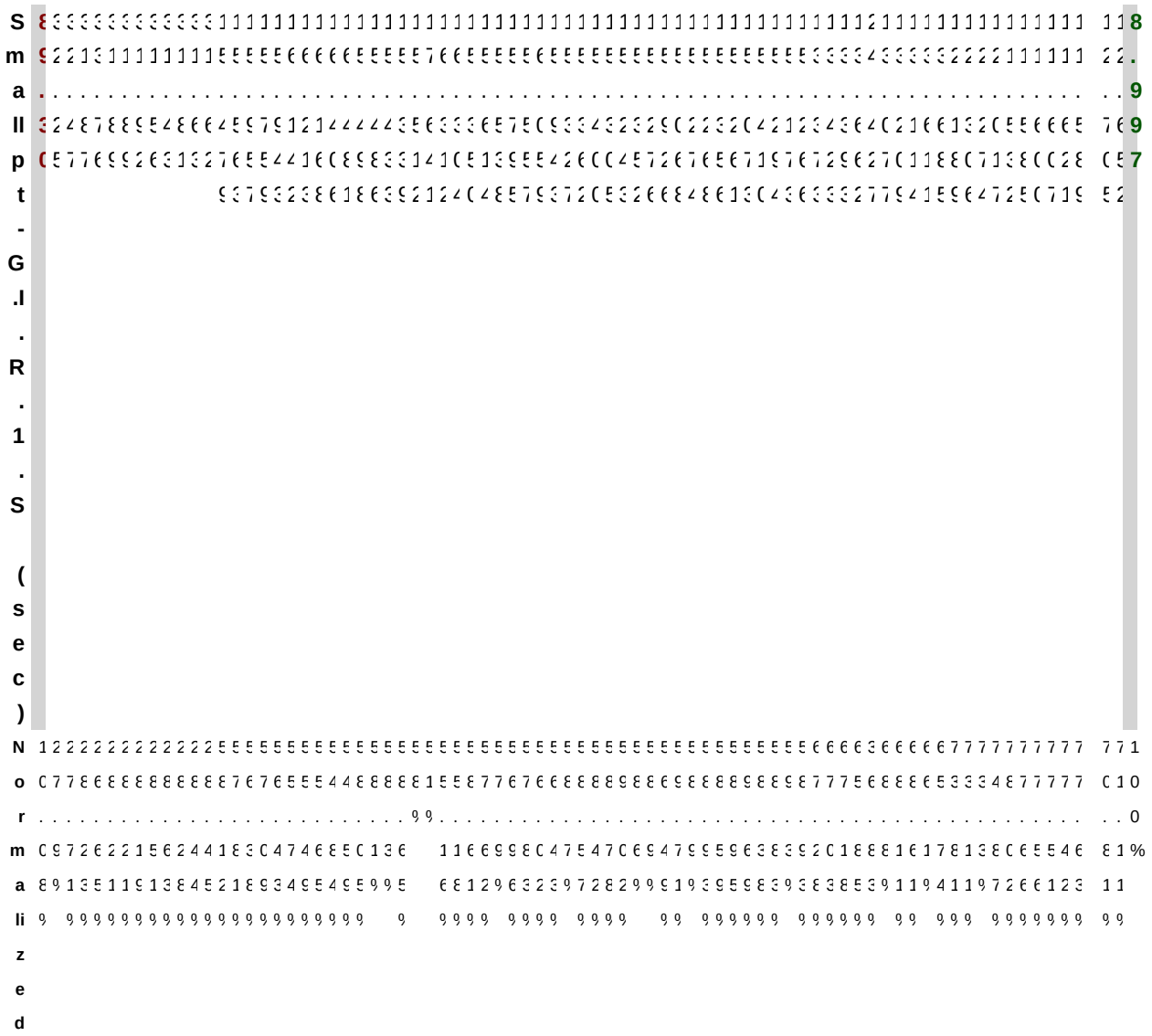
OS: Arch rolling, Kernel: 5.10.0-rc6-96-tkg-cfs (x86_64), Desktop: KDE Plasma 5.20.4, Display Server: X Server 1.20.10, Display Driver: NVIDIA 455.46.02, OpenGL: 4.6.0, OpenCL: OpenCL 1.2 CUDA 11.1.114, Vulkan: 1.2.162, Compiler: GCC 10.2.0 + Clang 11.0.0Target: + CUDA 11.1, File-System: ext4, Screen Resolution: 5120x1440

Environment Notes: __GL_SYNC_DISPLAY_DEVICE=DP-0 __GL_SHADER_DISK_CACHE_SKIP_CLEANUP=1 AMD_DEBUG=nongg,nodma __GL_SHADER_DISK_CACHE=1 __GL_SHADER_DISK_CACHE_SIZE=1000000000
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: acpi-cpufreq performance - CPU Microcode: 0xa201009
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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 AMD retpoline IBPB: conditional IBRS_FW STIBP: always-on RSB filling + srbds: Not affected + tsx_async_abort: Not affected

smallpt1



smallpt1



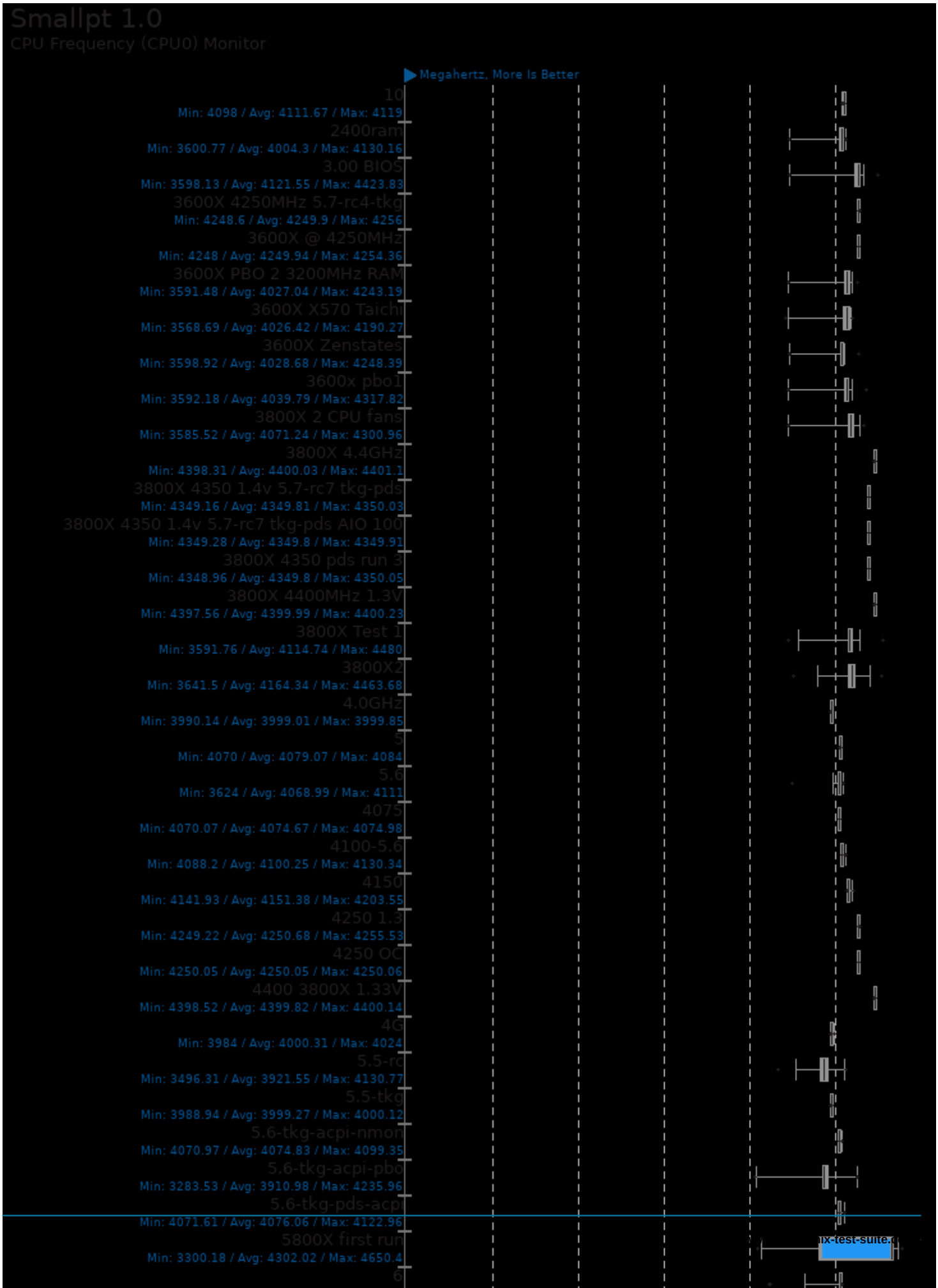
smallpt1

Phoronix Test Suite

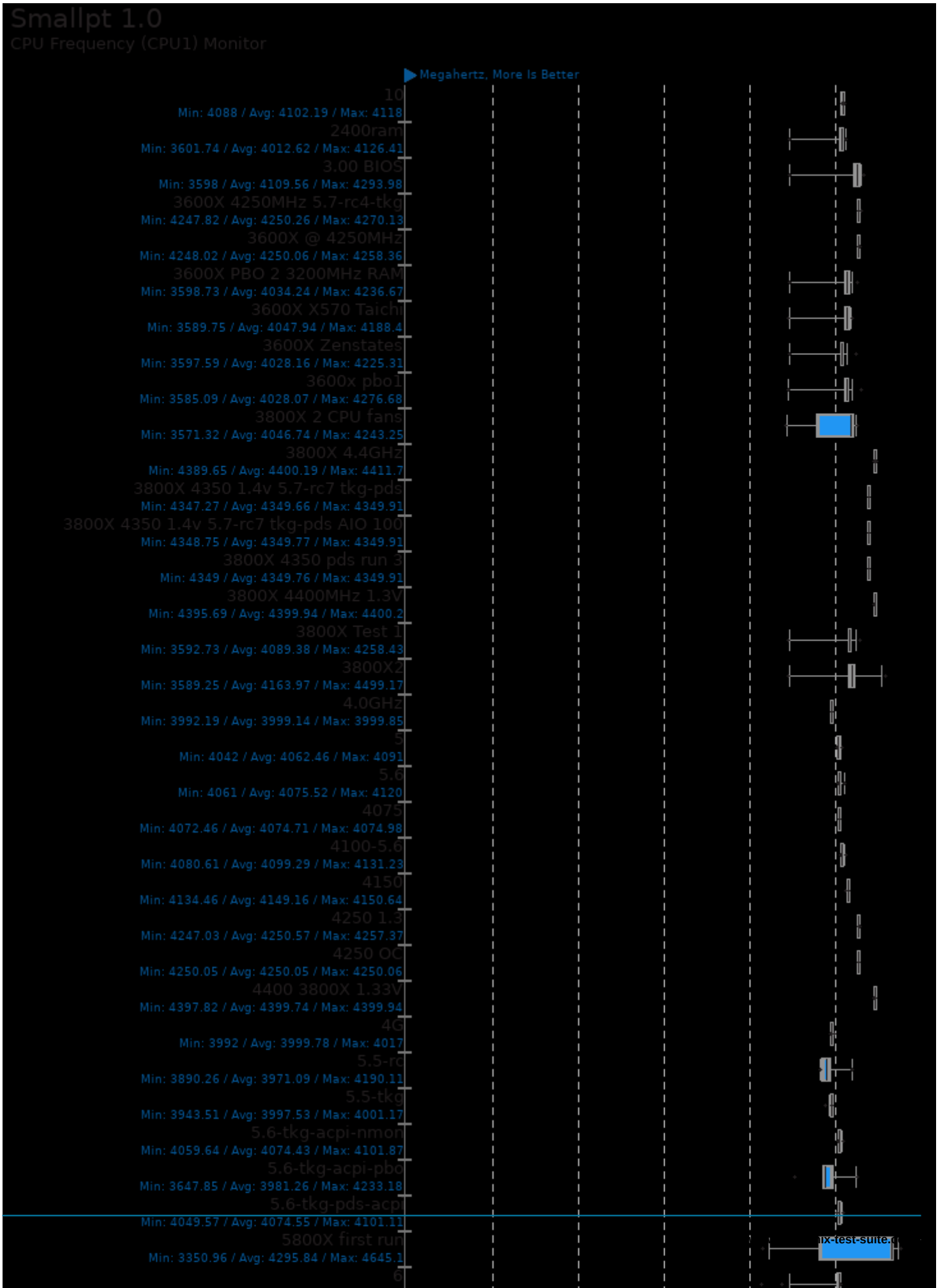
Standard Deviation

smallpt1

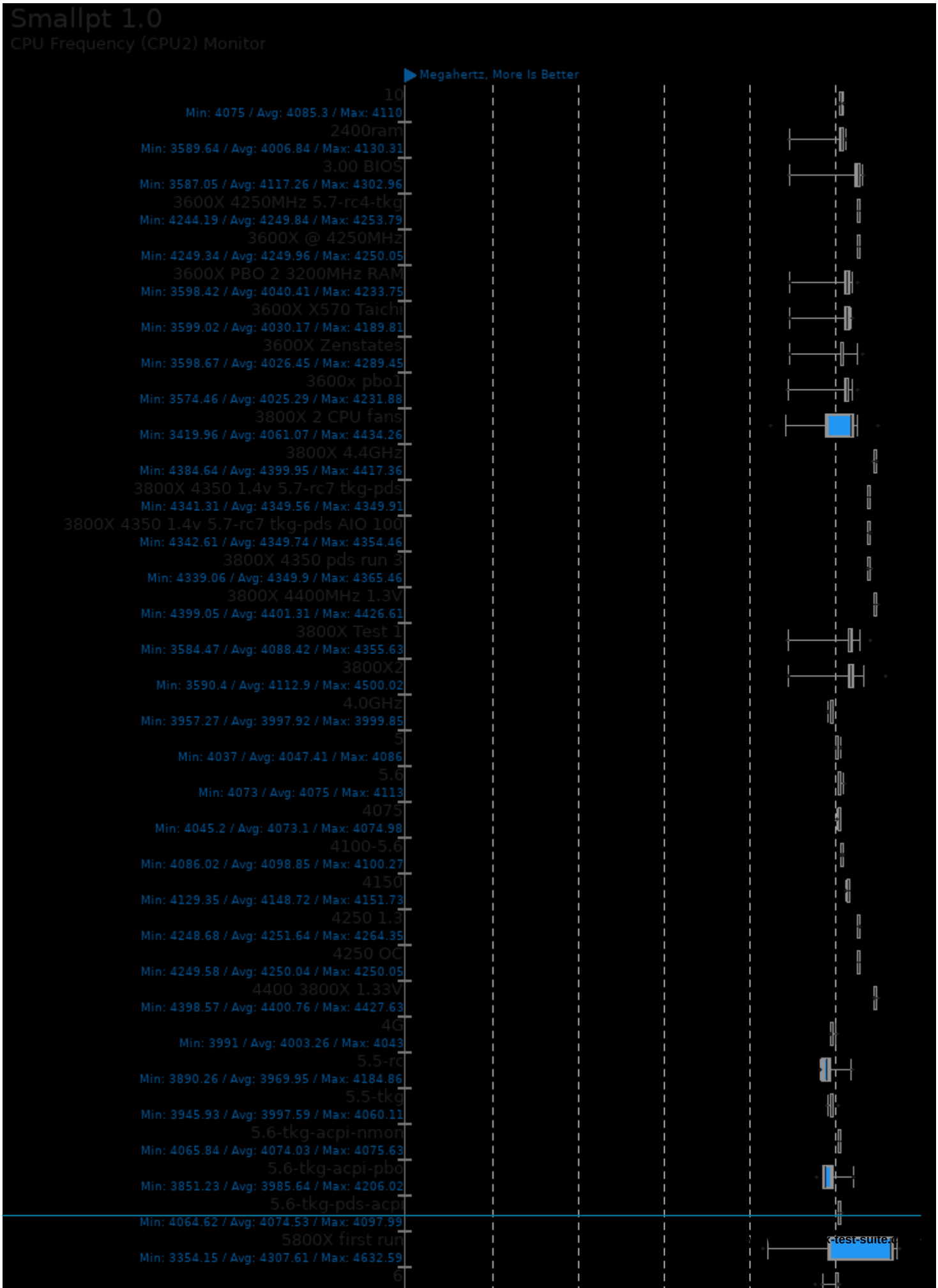
smallpt1


Smallpt 1.0
CPU Frequency (CPU0) Monitor
Megahertz, More Is Better
10
Min: 4098 / Avg: 4111.67 / Max: 4119
2400ram
Min: 3600.77 / Avg: 4004.3 / Max: 4130.16
3.00 BIOS
Min: 3598.13 / Avg: 4121.55 / Max: 4423.83
3600X 4250MHz 5.7-rc4-tkg
Min: 4248.6 / Avg: 4249.9 / Max: 4256
3600X @ 4250MHz
Min: 4248 / Avg: 4249.94 / Max: 4254.36
3600X PBO 2 3200MHz RAM
Min: 3591.48 / Avg: 4027.04 / Max: 4243.19
3600X X570 Taichi
Min: 3568.69 / Avg: 4026.42 / Max: 4190.27
3600X Zenstates
Min: 3598.92 / Avg: 4028.68 / Max: 4248.39
3600x pbo1
Min: 3592.18 / Avg: 4039.79 / Max: 4317.82
3800X 2 CPU fans
Min: 3585.52 / Avg: 4071.24 / Max: 4300.96
3800X 4.4GHz
Min: 4398.31 / Avg: 4400.03 / Max: 4401.1
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4349.16 / Avg: 4349.81 / Max: 4350.03
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4349.28 / Avg: 4349.8 / Max: 4349.91
3800X 4350 pds run 3
Min: 4348.96 / Avg: 4349.8 / Max: 4350.05
3800X 4400MHz 1.3V
Min: 4397.56 / Avg: 4399.99 / Max: 4400.23
3800X Test 1
Min: 3591.76 / Avg: 4114.74 / Max: 4480
3800X2
Min: 3641.5 / Avg: 4164.34 / Max: 4463.68
4.0GHz
Min: 3990.14 / Avg: 3999.01 / Max: 3999.85
5
Min: 4070 / Avg: 4079.07 / Max: 4084
5.6
Min: 3624 / Avg: 4068.99 / Max: 4111
4075
Min: 4070.07 / Avg: 4074.67 / Max: 4074.98
4100-5.6
Min: 4088.2 / Avg: 4100.25 / Max: 4130.34
4150
Min: 4141.93 / Avg: 4151.38 / Max: 4203.55
4250 1.3
Min: 4249.22 / Avg: 4250.68 / Max: 4255.53
4250 OC
Min: 4250.05 / Avg: 4250.05 / Max: 4250.06
4400 3800X 1.33V
Min: 4398.52 / Avg: 4399.82 / Max: 4400.14
4G
Min: 3984 / Avg: 4000.31 / Max: 4024
5.5-rc
Min: 3496.31 / Avg: 3921.55 / Max: 4130.77
5.5-tkg
Min: 3988.94 / Avg: 3999.27 / Max: 4000.12
5.6-tkg-acpi-nmon
Min: 4070.97 / Avg: 4074.83 / Max: 4099.35
5.6-tkg-acpi-pbo
Min: 3283.53 / Avg: 3910.98 / Max: 4235.96
5.6-tkg-pds-acpi
Min: 4071.61 / Avg: 4076.06 / Max: 4122.96
5800X first run
Min: 3300.18 / Avg: 4302.02 / Max: 4650.4
6

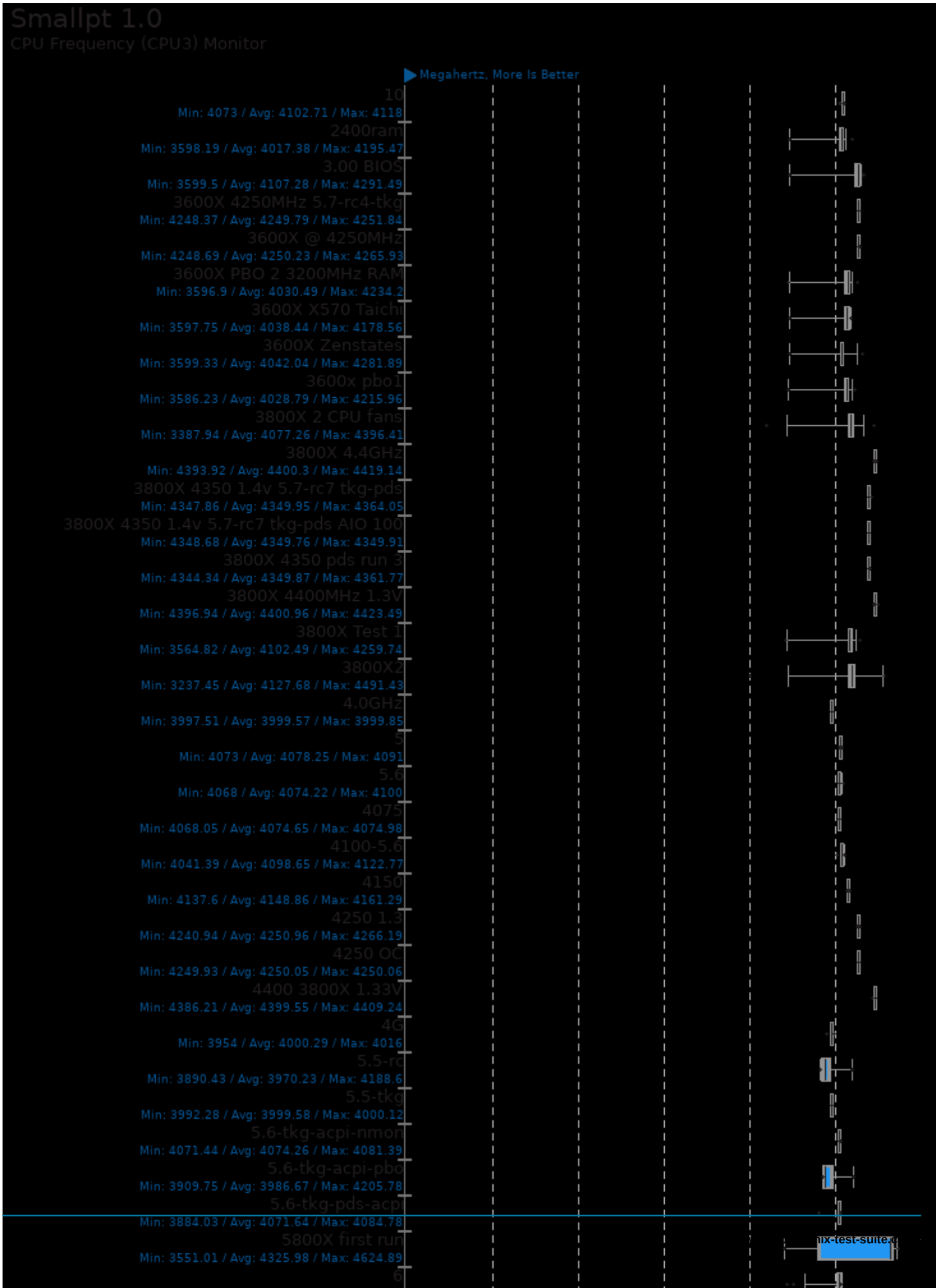
smallpt1


Smallpt 1.0
CPU Frequency (CPU1) Monitor
Megahertz, More Is Better
10
Min: 4088 / Avg: 4102.19 / Max: 4118
2400ram
Min: 3601.74 / Avg: 4012.62 / Max: 4126.41
3.00 BIOS
Min: 3598 / Avg: 4109.56 / Max: 4293.98
3600X 4250MHz 5.7-rc4-tkg
Min: 4247.82 / Avg: 4250.26 / Max: 4270.13
3600X @ 4250MHz
Min: 4248.02 / Avg: 4250.06 / Max: 4258.36
3600X PBO 2 3200MHz RAM
Min: 3598.73 / Avg: 4034.24 / Max: 4236.67
3600X X570 Taichi
Min: 3589.75 / Avg: 4047.94 / Max: 4188.4
3600X Zenstates
Min: 3597.59 / Avg: 4028.16 / Max: 4225.31
3600x pbo1
Min: 3585.09 / Avg: 4028.07 / Max: 4276.68
3800X 2 CPU fans
Min: 3571.32 / Avg: 4046.74 / Max: 4243.25
3800X 4.4GHz
Min: 4389.65 / Avg: 4400.19 / Max: 4411.7
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4347.27 / Avg: 4349.66 / Max: 4349.91
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4348.75 / Avg: 4349.77 / Max: 4349.91
3800X 4350 pds run 3
Min: 4349 / Avg: 4349.76 / Max: 4349.91
3800X 4400MHz 1.3V
Min: 4395.69 / Avg: 4399.94 / Max: 4400.2
3800X Test 1
Min: 3592.73 / Avg: 4089.38 / Max: 4258.43
3800X2
Min: 3589.25 / Avg: 4163.97 / Max: 4499.17
4.0GHz
Min: 3992.19 / Avg: 3999.14 / Max: 3999.85
5
Min: 4042 / Avg: 4062.46 / Max: 4091
5.6
Min: 4061 / Avg: 4075.52 / Max: 4120
4075
Min: 4072.46 / Avg: 4074.71 / Max: 4074.98
4100-5.6
Min: 4080.61 / Avg: 4099.29 / Max: 4131.23
4150
Min: 4134.46 / Avg: 4149.16 / Max: 4150.64
4250 1.3
Min: 4247.03 / Avg: 4250.57 / Max: 4257.37
4250 OC
Min: 4250.05 / Avg: 4250.05 / Max: 4250.06
4400 3800X 1.33V
Min: 4397.82 / Avg: 4399.74 / Max: 4399.94
4G
Min: 3992 / Avg: 3999.78 / Max: 4017
5.5-rc
Min: 3890.26 / Avg: 3971.09 / Max: 4190.11
5.5-tkg
Min: 3943.51 / Avg: 3997.53 / Max: 4001.17
5.6-tkg-acpi-nmon
Min: 4059.64 / Avg: 4074.43 / Max: 4101.87
5.6-tkg-acpi-pbo
Min: 3647.85 / Avg: 3981.26 / Max: 4233.18
5.6-tkg-pds-acpi
Min: 4049.57 / Avg: 4074.55 / Max: 4101.11
5800X first run
Min: 3350.96 / Avg: 4295.84 / Max: 4645.1
6

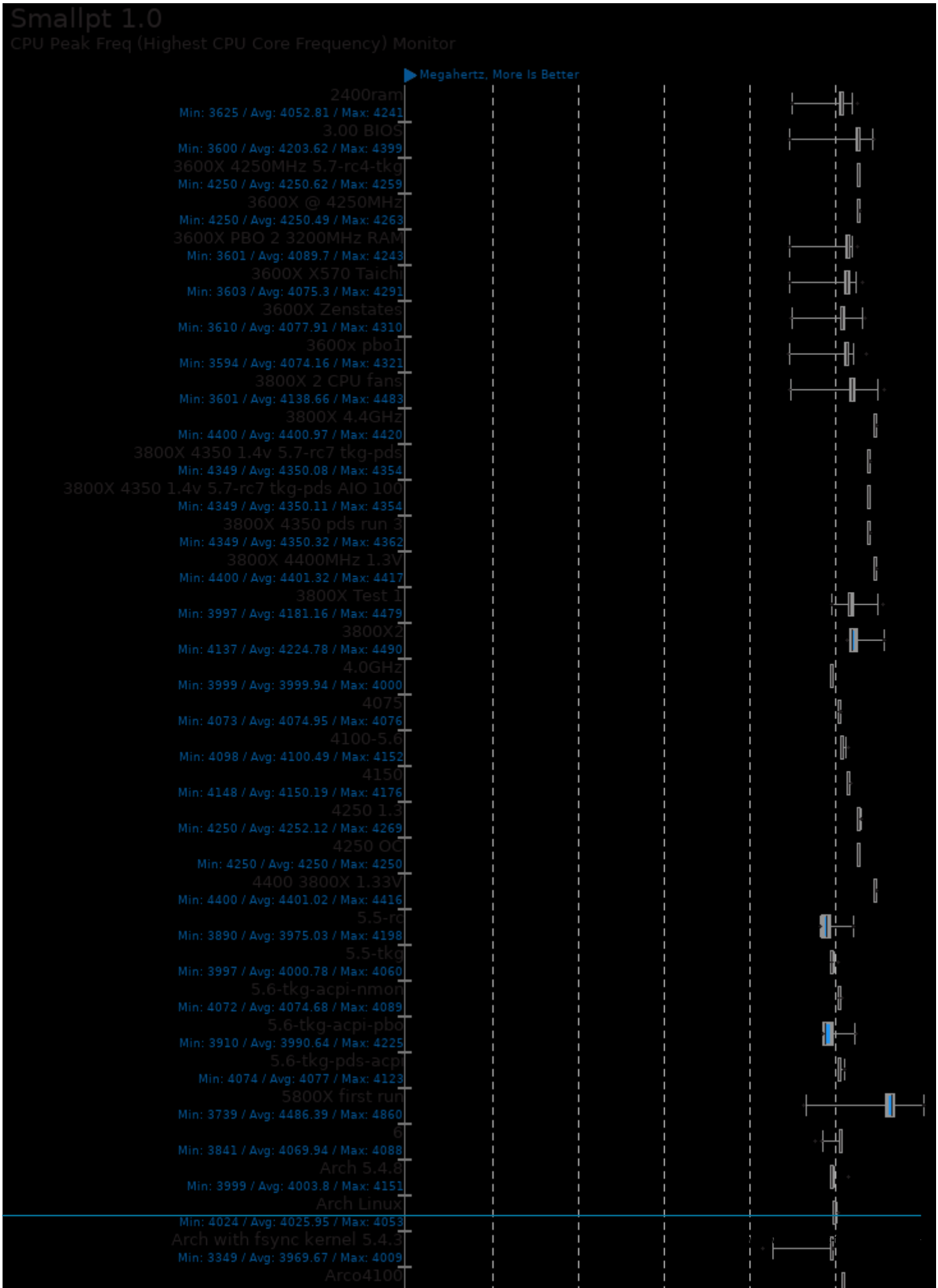
smallpt1


Smallpt 1.0
CPU Frequency (CPU2) Monitor
Megahertz, More Is Better
10
Min: 4075 / Avg: 4085.3 / Max: 4110
2400ram
Min: 3589.64 / Avg: 4006.84 / Max: 4130.31
3.00 BIOS
Min: 3587.05 / Avg: 4117.26 / Max: 4302.96
3600X 4250MHz 5.7-rc4-tkg
Min: 4244.19 / Avg: 4249.84 / Max: 4253.79
3600X @ 4250MHz
Min: 4249.34 / Avg: 4249.96 / Max: 4250.05
3600X PBO 2 3200MHz RAM
Min: 3598.42 / Avg: 4040.41 / Max: 4233.75
3600X X570 Taichi
Min: 3599.02 / Avg: 4030.17 / Max: 4189.81
3600X Zenstates
Min: 3598.67 / Avg: 4026.45 / Max: 4289.45
3600x pbo1
Min: 3574.46 / Avg: 4025.29 / Max: 4231.88
3800X 2 CPU fans
Min: 3419.96 / Avg: 4061.07 / Max: 4434.26
3800X 4.4GHz
Min: 4384.64 / Avg: 4399.95 / Max: 4417.36
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4341.31 / Avg: 4349.56 / Max: 4349.91
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4342.61 / Avg: 4349.74 / Max: 4354.46
3800X 4350 pds run 3
Min: 4339.06 / Avg: 4349.9 / Max: 4365.46
3800X 4400MHz 1.3V
Min: 4399.05 / Avg: 4401.31 / Max: 4426.61
3800X Test 1
Min: 3584.47 / Avg: 4088.42 / Max: 4355.63
3800X2
Min: 3590.4 / Avg: 4112.9 / Max: 4500.02
4.0GHz
Min: 3957.27 / Avg: 3997.92 / Max: 3999.85
5
Min: 4037 / Avg: 4047.41 / Max: 4086
5.6
Min: 4073 / Avg: 4075 / Max: 4113
4075
Min: 4045.2 / Avg: 4073.1 / Max: 4074.98
4100-5.6
Min: 4086.02 / Avg: 4098.85 / Max: 4100.27
4150
Min: 4129.35 / Avg: 4148.72 / Max: 4151.73
4250 1.3
Min: 4248.68 / Avg: 4251.64 / Max: 4264.35
4250 OC
Min: 4249.58 / Avg: 4250.04 / Max: 4250.05
4400 3800X 1.33V
Min: 4398.57 / Avg: 4400.76 / Max: 4427.63
4G
Min: 3991 / Avg: 4003.26 / Max: 4043
5.5-rc
Min: 3890.26 / Avg: 3969.95 / Max: 4184.86
5.5-tkg
Min: 3945.93 / Avg: 3997.59 / Max: 4060.11
5.6-tkg-acpi-nmon
Min: 4065.84 / Avg: 4074.03 / Max: 4075.63
5.6-tkg-acpi-pbo
Min: 3851.23 / Avg: 3985.64 / Max: 4206.02
5.6-tkg-pds-acpi
Min: 4064.62 / Avg: 4074.53 / Max: 4097.99
5800X first run
Min: 3354.15 / Avg: 4307.61 / Max: 4632.59
6
test-suite

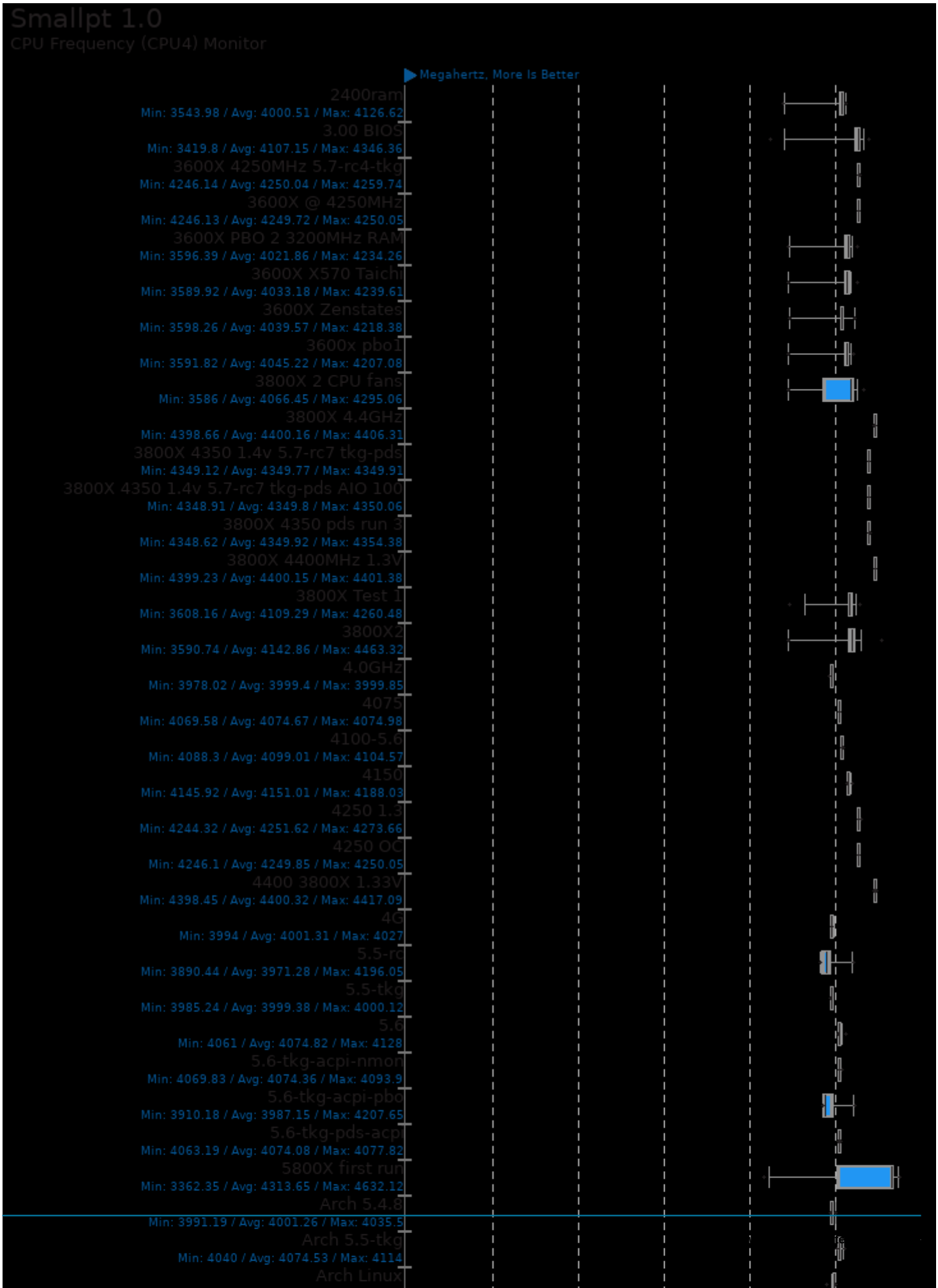
smallpt1


Smallpt 1.0
CPU Frequency (CPU3) Monitor
Megahertz, More Is Better
10
Min: 4073 / Avg: 4102.71 / Max: 4118
2400ram
Min: 3598.19 / Avg: 4017.38 / Max: 4195.47
3.00 BIOS
Min: 3599.5 / Avg: 4107.28 / Max: 4291.49
3600X 4250MHz 5.7-rc4-tkg
Min: 4248.37 / Avg: 4249.79 / Max: 4251.84
3600X @ 4250MHz
Min: 4248.69 / Avg: 4250.23 / Max: 4265.93
3600X PBO 2 3200MHz RAM
Min: 3596.9 / Avg: 4030.49 / Max: 4234.2
3600X X570 Taichi
Min: 3597.75 / Avg: 4038.44 / Max: 4178.56
3600X Zenstates
Min: 3599.33 / Avg: 4042.04 / Max: 4281.89
3600x pbo1
Min: 3586.23 / Avg: 4028.79 / Max: 4215.96
3800X 2 CPU fans
Min: 3387.94 / Avg: 4077.26 / Max: 4396.41
3800X 4.4GHz
Min: 4393.92 / Avg: 4400.3 / Max: 4419.14
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4347.86 / Avg: 4349.95 / Max: 4364.05
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4348.68 / Avg: 4349.76 / Max: 4349.91
3800X 4350 pds run 3
Min: 4344.34 / Avg: 4349.87 / Max: 4361.77
3800X 4400MHz 1.3V
Min: 4396.94 / Avg: 4400.96 / Max: 4423.49
3800X Test 1
Min: 3564.82 / Avg: 4102.49 / Max: 4259.74
3800X2
Min: 3237.45 / Avg: 4127.68 / Max: 4491.43
4.0GHz
Min: 3997.51 / Avg: 3999.57 / Max: 3999.85
5
Min: 4073 / Avg: 4078.25 / Max: 4091
5.6
Min: 4068 / Avg: 4074.22 / Max: 4100
4075
Min: 4068.05 / Avg: 4074.65 / Max: 4074.98
4100-5.6
Min: 4041.39 / Avg: 4098.65 / Max: 4122.77
4150
Min: 4137.6 / Avg: 4148.86 / Max: 4161.29
4250 1.3
Min: 4240.94 / Avg: 4250.96 / Max: 4266.19
4250 OC
Min: 4249.93 / Avg: 4250.05 / Max: 4250.06
4400 3800X 1.33V
Min: 4386.21 / Avg: 4399.55 / Max: 4409.24
4G
Min: 3954 / Avg: 4000.29 / Max: 4016
5.5-rc
Min: 3890.43 / Avg: 3970.23 / Max: 4188.6
5.5-tkg
Min: 3992.28 / Avg: 3999.58 / Max: 4000.12
5.6-tkg-acpi-nmon
Min: 4071.44 / Avg: 4074.26 / Max: 4081.39
5.6-tkg-acpi-pbo
Min: 3909.75 / Avg: 3986.67 / Max: 4205.78
5.6-tkg-pds-acpi
Min: 3884.03 / Avg: 4071.64 / Max: 4084.78
5800X first run
Min: 3551.01 / Avg: 4325.98 / Max: 4624.89
6

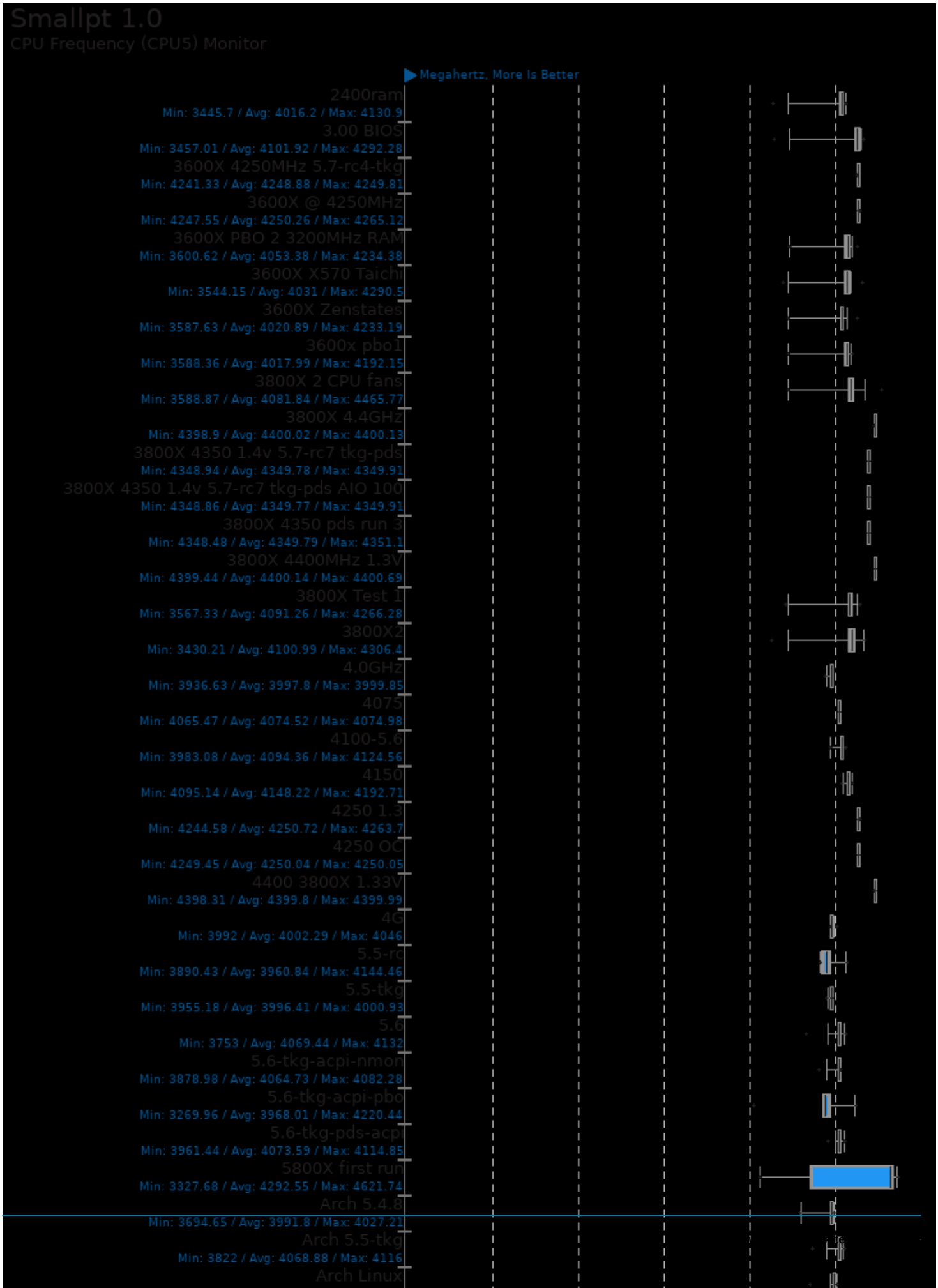
smallpt1


Smallpt 1.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Megahertz, More Is Better
2400ram
Min: 3625 / Avg: 4052.81 / Max: 4241
3.00 BIOS
Min: 3600 / Avg: 4203.62 / Max: 4399
3600X 4250MHz 5.7-rc4-tkg
Min: 4250 / Avg: 4250.62 / Max: 4259
3600X @ 4250MHz
Min: 4250 / Avg: 4250.49 / Max: 4263
3600X PBO 2 3200MHz RAM
Min: 3601 / Avg: 4089.7 / Max: 4243
3600X X570 Taichi
Min: 3603 / Avg: 4075.3 / Max: 4291
3600X Zenstates
Min: 3610 / Avg: 4077.91 / Max: 4310
3600x pbo1
Min: 3594 / Avg: 4074.16 / Max: 4321
3800X 2 CPU fans
Min: 3601 / Avg: 4138.66 / Max: 4483
3800X 4.4GHz
Min: 4400 / Avg: 4400.97 / Max: 4420
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4349 / Avg: 4350.08 / Max: 4354
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4349 / Avg: 4350.11 / Max: 4354
3800X 4350 pds run 3
Min: 4349 / Avg: 4350.32 / Max: 4362
3800X 4400MHz 1.3V
Min: 4400 / Avg: 4401.32 / Max: 4417
3800X Test 1
Min: 3997 / Avg: 4181.16 / Max: 4479
3800X2
Min: 4137 / Avg: 4224.78 / Max: 4490
4.0GHz
Min: 3999 / Avg: 3999.94 / Max: 4000
4075
Min: 4073 / Avg: 4074.95 / Max: 4076
4100-5.6
Min: 4098 / Avg: 4100.49 / Max: 4152
4150
Min: 4148 / Avg: 4150.19 / Max: 4176
4250 1.3
Min: 4250 / Avg: 4252.12 / Max: 4269
4250 OC
Min: 4250 / Avg: 4250 / Max: 4250
4400 3800X 1.33V
Min: 4400 / Avg: 4401.02 / Max: 4416
5.5-rc
Min: 3890 / Avg: 3975.03 / Max: 4198
5.5-tkg
Min: 3997 / Avg: 4000.78 / Max: 4060
5.6-tkg-acpi-nmon
Min: 4072 / Avg: 4074.68 / Max: 4089
5.6-tkg-acpi-pbo
Min: 3910 / Avg: 3990.64 / Max: 4225
5.6-tkg-pds-acpi
Min: 4074 / Avg: 4077 / Max: 4123
5800X first run
Min: 3739 / Avg: 4486.39 / Max: 4860
6
Min: 3841 / Avg: 4069.94 / Max: 4088
Arch 5.4.8
Min: 3999 / Avg: 4003.8 / Max: 4151
Arch Linux
Min: 4024 / Avg: 4025.95 / Max: 4053
Arch with fsync kernel 5.4.3
Min: 3349 / Avg: 3969.67 / Max: 4009
Arco4100

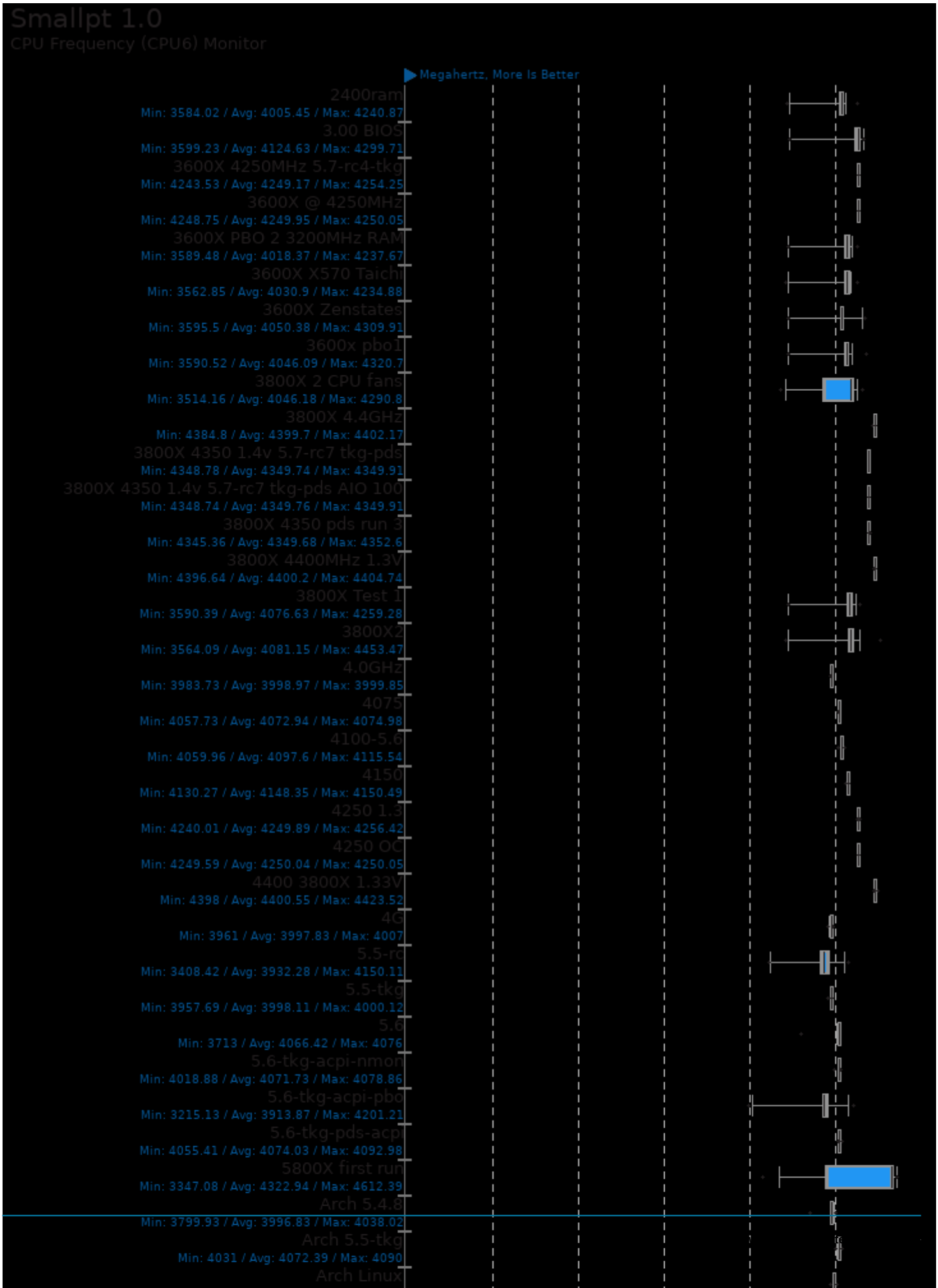
smallpt1


Smallpt 1.0
CPU Frequency (CPU4) Monitor
Megahertz, More Is Better
2400ram
Min: 3543.98 / Avg: 4000.51 / Max: 4126.62
3.00 BIOS
Min: 3419.8 / Avg: 4107.15 / Max: 4346.36
3600X 4250MHz 5.7-rc4-tkg
Min: 4246.14 / Avg: 4250.04 / Max: 4259.74
3600X @ 4250MHz
Min: 4246.13 / Avg: 4249.72 / Max: 4250.05
3600X PBO 2 3200MHz RAM
Min: 3596.39 / Avg: 4021.86 / Max: 4234.26
3600X X570 Taichi
Min: 3589.92 / Avg: 4033.18 / Max: 4239.61
3600X Zenstates
Min: 3598.26 / Avg: 4039.57 / Max: 4218.38
3600x pbo1
Min: 3591.82 / Avg: 4045.22 / Max: 4207.08
3800X 2 CPU fans
Min: 3586 / Avg: 4066.45 / Max: 4295.06
3800X 4.4GHz
Min: 4398.66 / Avg: 4400.16 / Max: 4406.31
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4349.12 / Avg: 4349.77 / Max: 4349.91
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4348.91 / Avg: 4349.8 / Max: 4350.06
3800X 4350 pds run 3
Min: 4348.62 / Avg: 4349.92 / Max: 4354.38
3800X 4400MHz 1.3V
Min: 4399.23 / Avg: 4400.15 / Max: 4401.38
3800X Test 1
Min: 3608.16 / Avg: 4109.29 / Max: 4260.48
3800X2
Min: 3590.74 / Avg: 4142.86 / Max: 4463.32
4.0GHz
Min: 3978.02 / Avg: 3999.4 / Max: 3999.85
4075
Min: 4069.58 / Avg: 4074.67 / Max: 4074.98
4100-5.6
Min: 4088.3 / Avg: 4099.01 / Max: 4104.57
4150
Min: 4145.92 / Avg: 4151.01 / Max: 4188.03
4250 1.3
Min: 4244.32 / Avg: 4251.62 / Max: 4273.66
4250 OC
Min: 4246.1 / Avg: 4249.85 / Max: 4250.05
4400 3800X 1.33V
Min: 4398.45 / Avg: 4400.32 / Max: 4417.09
4G
Min: 3994 / Avg: 4001.31 / Max: 4027
5.5-rc
Min: 3890.44 / Avg: 3971.28 / Max: 4196.05
5.5-tkg
Min: 3985.24 / Avg: 3999.38 / Max: 4000.12
5.6
Min: 4061 / Avg: 4074.82 / Max: 4128
5.6-tkg-acpi-nmon
Min: 4069.83 / Avg: 4074.36 / Max: 4093.9
5.6-tkg-acpi-pbo
Min: 3910.18 / Avg: 3987.15 / Max: 4207.65
5.6-tkg-pds-acpi
Min: 4063.19 / Avg: 4074.08 / Max: 4077.82
5800X first run
Min: 3362.35 / Avg: 4313.65 / Max: 4632.12
Arch 5.4.8
Min: 3991.19 / Avg: 4001.26 / Max: 4035.5
Arch 5.5-tkg
Min: 4040 / Avg: 4074.53 / Max: 4114
Arch Linux

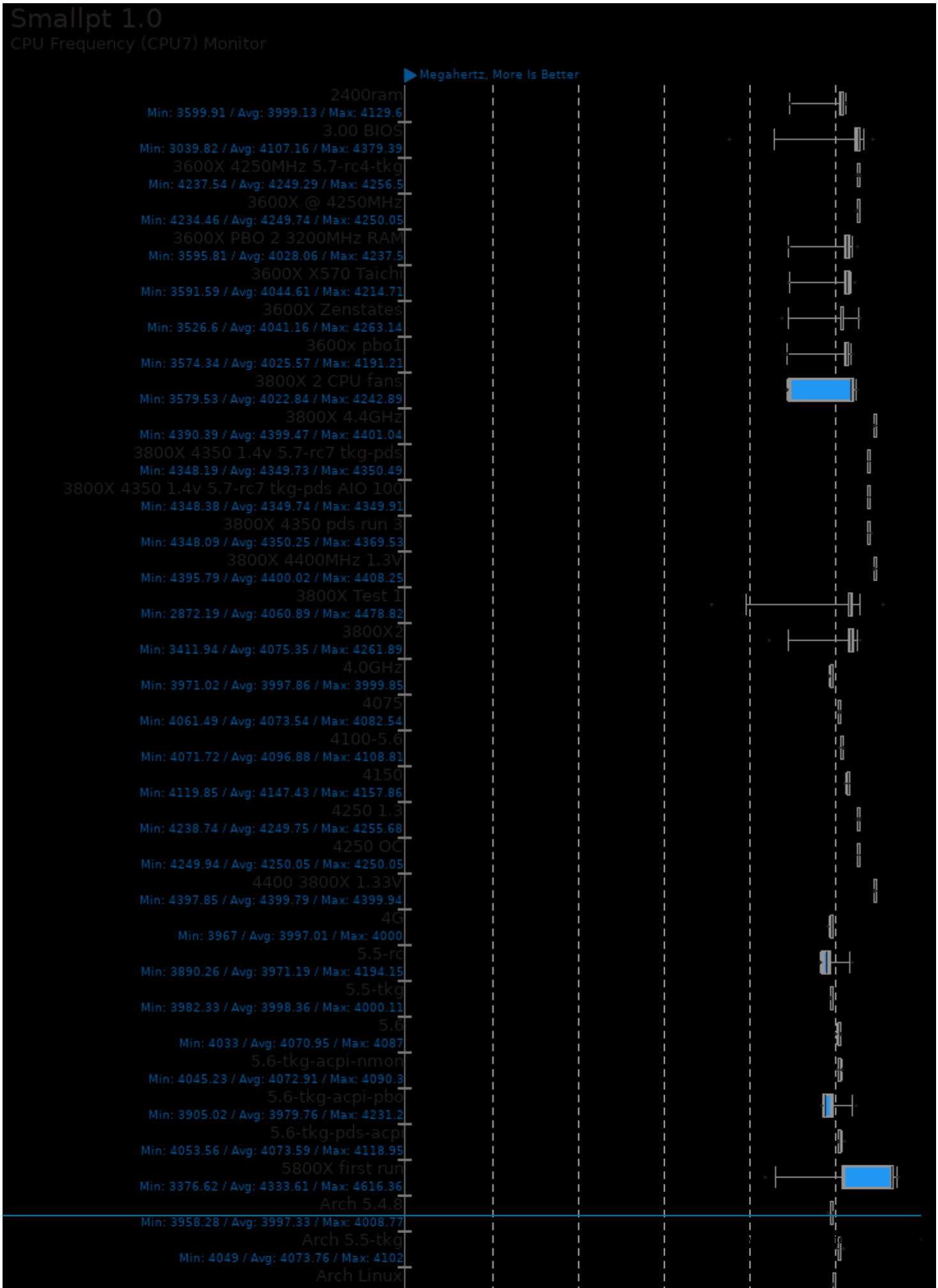
smallpt1


Smallpt 1.0
CPU Frequency (CPU5) Monitor
Megahertz, More Is Better
2400ram
Min: 3445.7 / Avg: 4016.2 / Max: 4130.9
3.00 BIOS
Min: 3457.01 / Avg: 4101.92 / Max: 4292.28
3600X 4250MHz 5.7-rc4-tkg
Min: 4241.33 / Avg: 4248.88 / Max: 4249.81
3600X @ 4250MHz
Min: 4247.55 / Avg: 4250.26 / Max: 4265.12
3600X PBO 2 3200MHz RAM
Min: 3600.62 / Avg: 4053.38 / Max: 4234.38
3600X X570 Taichi
Min: 3544.15 / Avg: 4031 / Max: 4290.5
3600X Zenstates
Min: 3587.63 / Avg: 4020.89 / Max: 4233.19
3600x pbo1
Min: 3588.36 / Avg: 4017.99 / Max: 4192.15
3800X 2 CPU fans
Min: 3588.87 / Avg: 4081.84 / Max: 4465.77
3800X 4.4GHz
Min: 4398.9 / Avg: 4400.02 / Max: 4400.13
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4348.94 / Avg: 4349.78 / Max: 4349.91
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4348.86 / Avg: 4349.77 / Max: 4349.91
3800X 4350 pds run 3
Min: 4348.48 / Avg: 4349.79 / Max: 4351.1
3800X 4400MHz 1.3V
Min: 4399.44 / Avg: 4400.14 / Max: 4400.69
3800X Test 1
Min: 3567.33 / Avg: 4091.26 / Max: 4266.28
3800X2
Min: 3430.21 / Avg: 4100.99 / Max: 4306.4
4.0GHz
Min: 3936.63 / Avg: 3997.8 / Max: 3999.85
4075
Min: 4065.47 / Avg: 4074.52 / Max: 4074.98
4100-5.6
Min: 3983.08 / Avg: 4094.36 / Max: 4124.56
4150
Min: 4095.14 / Avg: 4148.22 / Max: 4192.71
4250 1.3
Min: 4244.58 / Avg: 4250.72 / Max: 4263.7
4250 OC
Min: 4249.45 / Avg: 4250.04 / Max: 4250.05
4400 3800X 1.33V
Min: 4398.31 / Avg: 4399.8 / Max: 4399.99
4G
Min: 3992 / Avg: 4002.29 / Max: 4046
5.5-rc
Min: 3890.43 / Avg: 3960.84 / Max: 4144.46
5.5-tkg
Min: 3955.18 / Avg: 3996.41 / Max: 4000.93
5.6
Min: 3753 / Avg: 4069.44 / Max: 4132
5.6-tkg-acpi-nmon
Min: 3878.98 / Avg: 4064.73 / Max: 4082.28
5.6-tkg-acpi-pbo
Min: 3269.96 / Avg: 3968.01 / Max: 4220.44
5.6-tkg-pds-acpi
Min: 3961.44 / Avg: 4073.59 / Max: 4114.85
5800X first run
Min: 3327.68 / Avg: 4292.55 / Max: 4621.74
Arch 5.4.8
Min: 3694.65 / Avg: 3991.8 / Max: 4027.21
Arch 5.5-tkg
Min: 3822 / Avg: 4068.88 / Max: 4116
Arch Linux

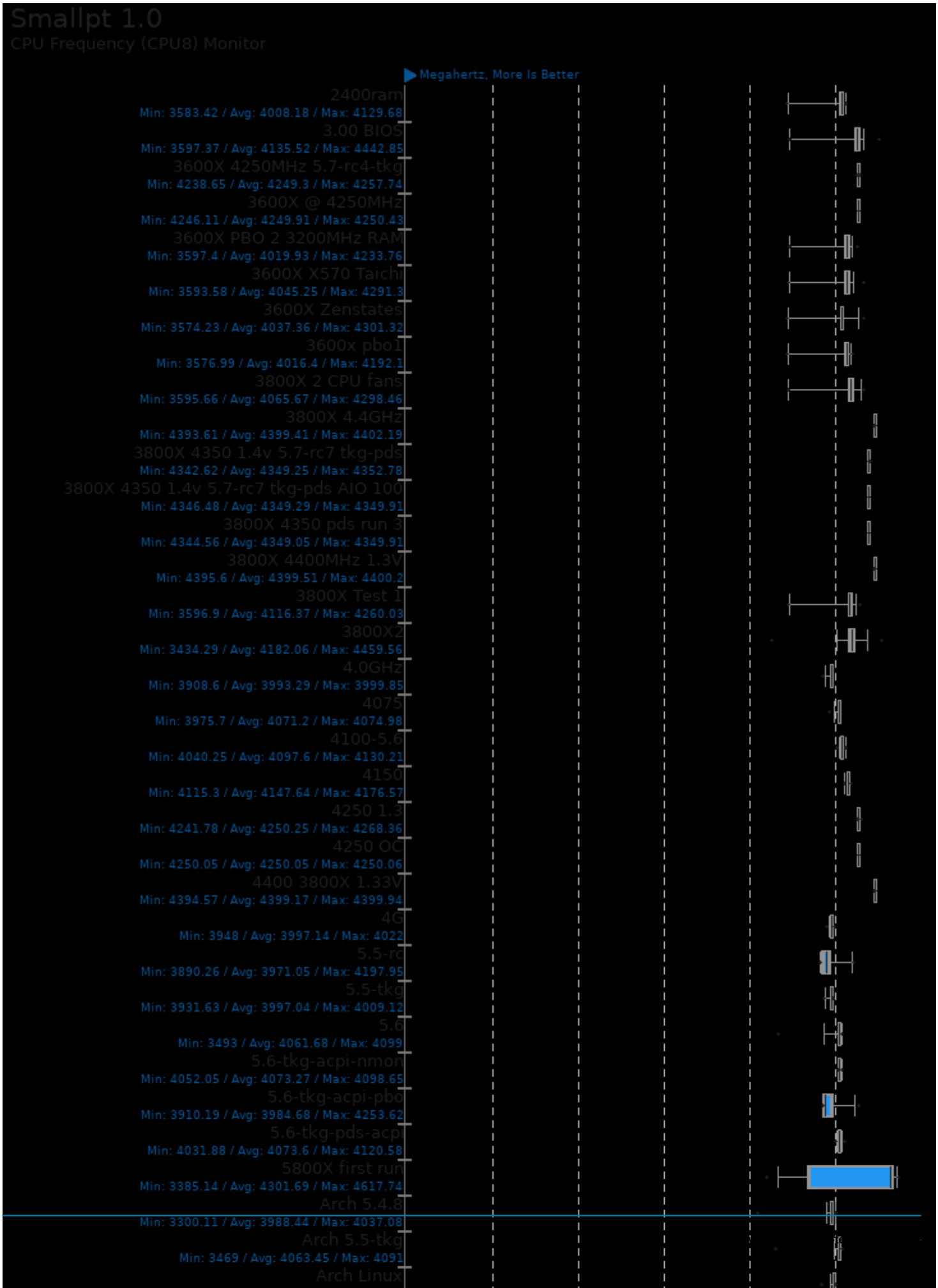
smallpt1


Smallpt 1.0
CPU Frequency (CPU6) Monitor
Megahertz, More Is Better
2400ram
Min: 3584.02 / Avg: 4005.45 / Max: 4240.87
3.00 BIOS
Min: 3599.23 / Avg: 4124.63 / Max: 4299.71
3600X 4250MHz 5.7-rc4-tkg
Min: 4243.53 / Avg: 4249.17 / Max: 4254.25
3600X @ 4250MHz
Min: 4248.75 / Avg: 4249.95 / Max: 4250.05
3600X PBO 2 3200MHz RAM
Min: 3589.48 / Avg: 4018.37 / Max: 4237.67
3600X X570 Taichi
Min: 3562.85 / Avg: 4030.9 / Max: 4234.88
3600X Zenstates
Min: 3595.5 / Avg: 4050.38 / Max: 4309.91
3600x pbo1
Min: 3590.52 / Avg: 4046.09 / Max: 4320.7
3800X 2 CPU fans
Min: 3514.16 / Avg: 4046.18 / Max: 4290.8
3800X 4.4GHz
Min: 4384.8 / Avg: 4399.7 / Max: 4402.17
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4348.78 / Avg: 4349.74 / Max: 4349.91
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4348.74 / Avg: 4349.76 / Max: 4349.91
3800X 4350 pds run 3
Min: 4345.36 / Avg: 4349.68 / Max: 4352.6
3800X 4400MHz 1.3V
Min: 4396.64 / Avg: 4400.2 / Max: 4404.74
3800X Test 1
Min: 3590.39 / Avg: 4076.63 / Max: 4259.28
3800X2
Min: 3564.09 / Avg: 4081.15 / Max: 4453.47
4.0GHz
Min: 3983.73 / Avg: 3998.97 / Max: 3999.85
4075
Min: 4057.73 / Avg: 4072.94 / Max: 4074.98
4100-5.6
Min: 4059.96 / Avg: 4097.6 / Max: 4115.54
4150
Min: 4130.27 / Avg: 4148.35 / Max: 4150.49
4250 1.3
Min: 4240.01 / Avg: 4249.89 / Max: 4256.42
4250 OC
Min: 4249.59 / Avg: 4250.04 / Max: 4250.05
4400 3800X 1.33V
Min: 4398 / Avg: 4400.55 / Max: 4423.52
4G
Min: 3961 / Avg: 3997.83 / Max: 4007
5.5-rc
Min: 3408.42 / Avg: 3932.28 / Max: 4150.11
5.5-tkg
Min: 3957.69 / Avg: 3998.11 / Max: 4000.12
5.6
Min: 3713 / Avg: 4066.42 / Max: 4076
5.6-tkg-acpi-nmon
Min: 4018.88 / Avg: 4071.73 / Max: 4078.86
5.6-tkg-acpi-pbo
Min: 3215.13 / Avg: 3913.87 / Max: 4201.21
5.6-tkg-pds-acpi
Min: 4055.41 / Avg: 4074.03 / Max: 4092.98
5800X first run
Min: 3347.08 / Avg: 4322.94 / Max: 4612.39
Arch 5.4.8
Min: 3799.93 / Avg: 3996.83 / Max: 4038.02
Arch 5.5-tkg
Min: 4031 / Avg: 4072.39 / Max: 4090
Arch Linux

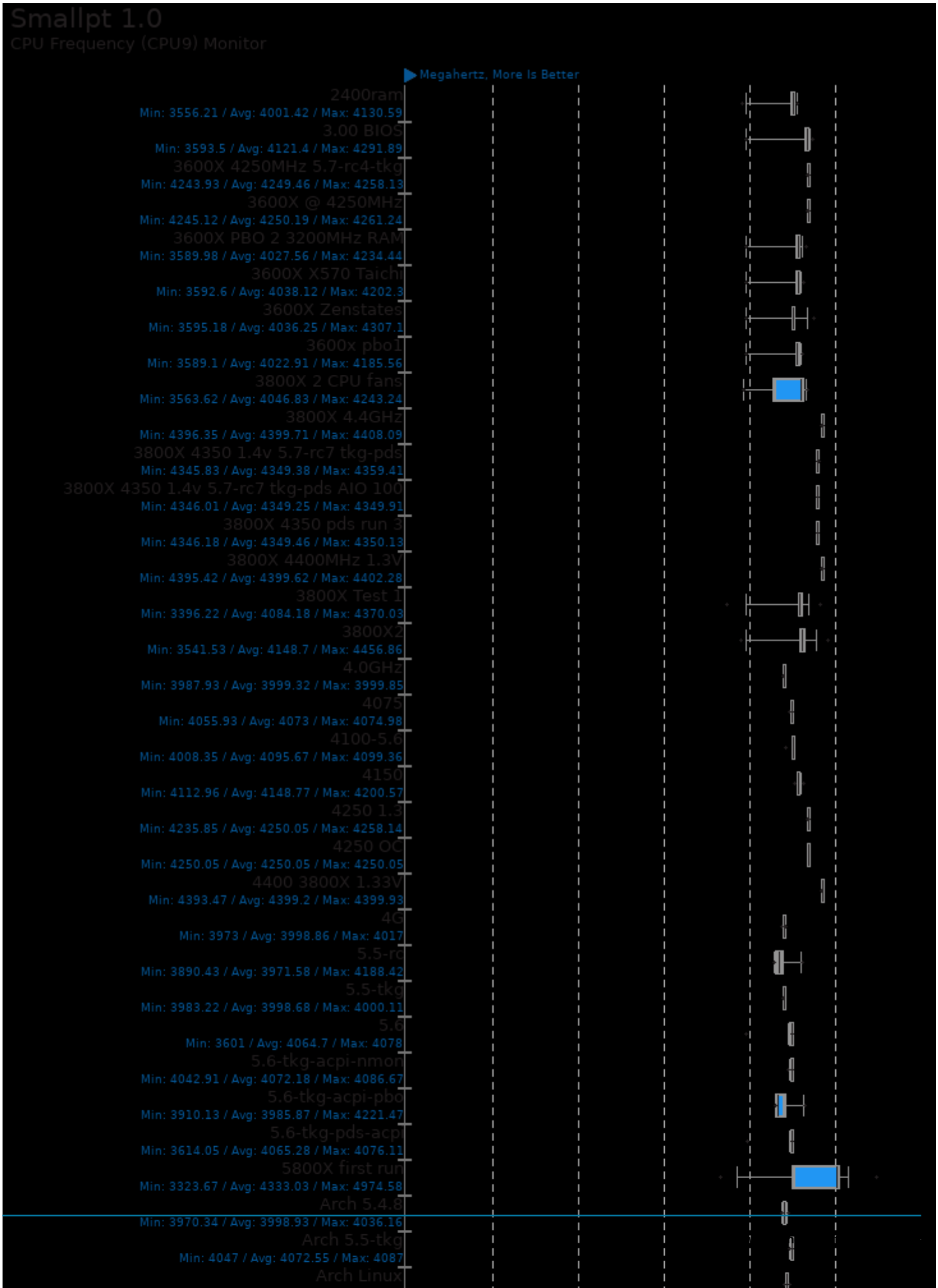
smallpt1


Smallpt 1.0
CPU Frequency (CPU7) Monitor
Megahertz, More Is Better
2400ram
Min: 3599.91 / Avg: 3999.13 / Max: 4129.6
3.00 BIOS
Min: 3039.82 / Avg: 4107.16 / Max: 4379.39
3600X 4250MHz 5.7-rc4-tkg
Min: 4237.54 / Avg: 4249.29 / Max: 4256.5
3600X @ 4250MHz
Min: 4234.46 / Avg: 4249.74 / Max: 4250.05
3600X PBO 2 3200MHz RAM
Min: 3595.81 / Avg: 4028.06 / Max: 4237.5
3600X X570 Taichi
Min: 3591.59 / Avg: 4044.61 / Max: 4214.71
3600X Zenstates
Min: 3526.6 / Avg: 4041.16 / Max: 4263.14
3600x pbo1
Min: 3574.34 / Avg: 4025.57 / Max: 4191.21
3800X 2 CPU fans
Min: 3579.53 / Avg: 4022.84 / Max: 4242.89
3800X 4.4GHz
Min: 4390.39 / Avg: 4399.47 / Max: 4401.04
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4348.19 / Avg: 4349.73 / Max: 4350.49
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4348.38 / Avg: 4349.74 / Max: 4349.91
3800X 4350 pds run 3
Min: 4348.09 / Avg: 4350.25 / Max: 4369.53
3800X 4400MHz 1.3V
Min: 4395.79 / Avg: 4400.02 / Max: 4408.25
3800X Test 1
Min: 2872.19 / Avg: 4060.89 / Max: 4478.82
3800X2
Min: 3411.94 / Avg: 4075.35 / Max: 4261.89
4.0GHz
Min: 3971.02 / Avg: 3997.86 / Max: 3999.85
4075
Min: 4061.49 / Avg: 4073.54 / Max: 4082.54
4100-5.6
Min: 4071.72 / Avg: 4096.88 / Max: 4108.81
4150
Min: 4119.85 / Avg: 4147.43 / Max: 4157.86
4250 1.3
Min: 4238.74 / Avg: 4249.75 / Max: 4255.68
4250 OC
Min: 4249.94 / Avg: 4250.05 / Max: 4250.05
4400 3800X 1.33V
Min: 4397.85 / Avg: 4399.79 / Max: 4399.94
4G
Min: 3967 / Avg: 3997.01 / Max: 4000
5.5-rc
Min: 3890.26 / Avg: 3971.19 / Max: 4194.15
5.5-tkg
Min: 3982.33 / Avg: 3998.36 / Max: 4000.11
5.6
Min: 4033 / Avg: 4070.95 / Max: 4087
5.6-tkg-acpi-nmon
Min: 4045.23 / Avg: 4072.91 / Max: 4090.3
5.6-tkg-acpi-pbo
Min: 3905.02 / Avg: 3979.76 / Max: 4231.2
5.6-tkg-pds-acpi
Min: 4053.56 / Avg: 4073.59 / Max: 4118.95
5800X first run
Min: 3376.62 / Avg: 4333.61 / Max: 4616.36
Arch 5.4.8
Min: 3958.28 / Avg: 3997.33 / Max: 4008.77
Arch 5.5-tkg
Min: 4049 / Avg: 4073.76 / Max: 4102
Arch Linux

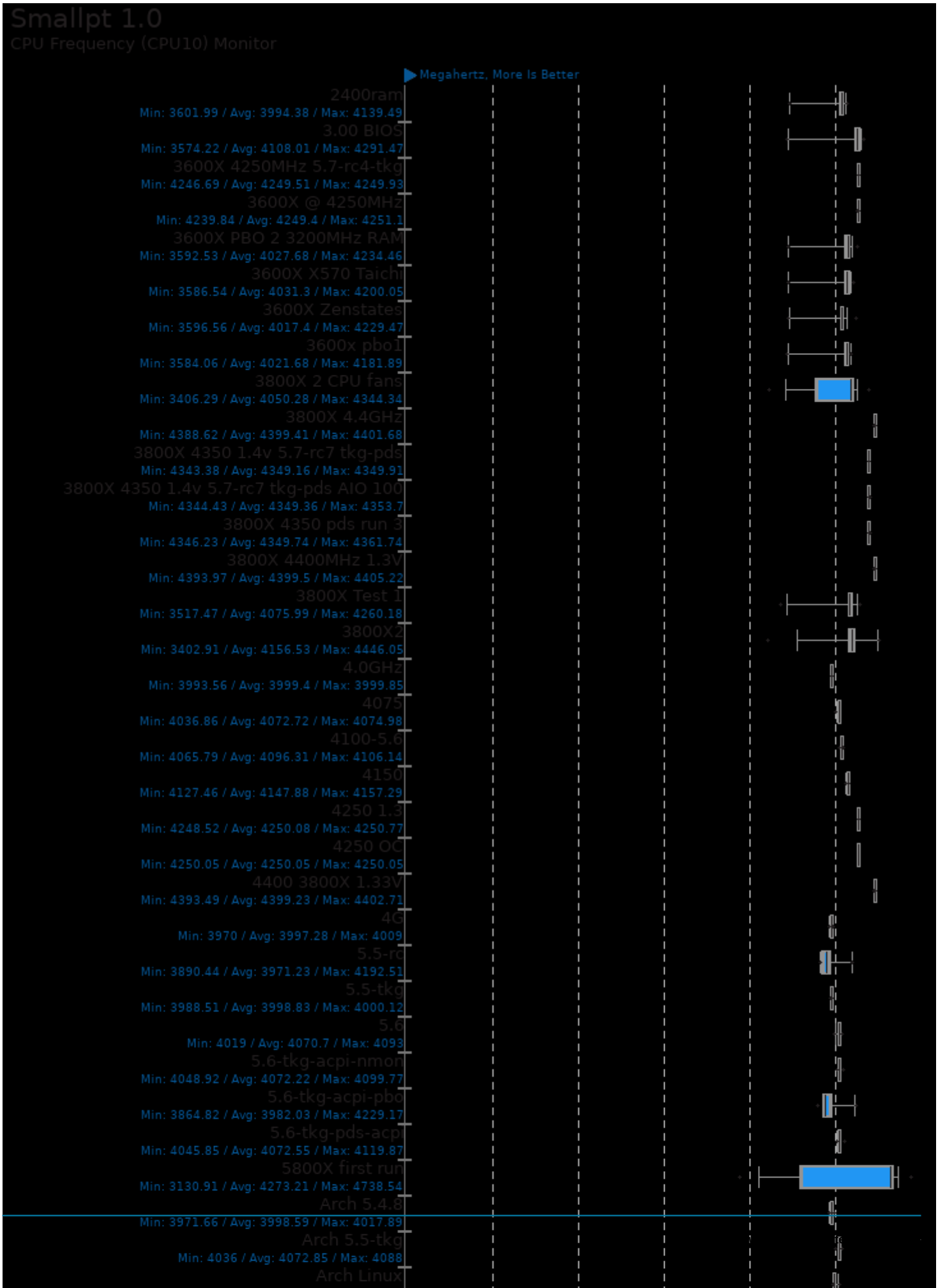
smallpt1


Smallpt 1.0
CPU Frequency (CPU8) Monitor
Megahertz, More Is Better
2400ram
Min: 3583.42 / Avg: 4008.18 / Max: 4129.68
3.00 BIOS
Min: 3597.37 / Avg: 4135.52 / Max: 4442.85
3600X 4250MHz 5.7-rc4-tkg
Min: 4238.65 / Avg: 4249.3 / Max: 4257.74
3600X @ 4250MHz
Min: 4246.11 / Avg: 4249.91 / Max: 4250.43
3600X PBO 2 3200MHz RAM
Min: 3597.4 / Avg: 4019.93 / Max: 4233.76
3600X X570 Taichi
Min: 3593.58 / Avg: 4045.25 / Max: 4291.3
3600X Zenstates
Min: 3574.23 / Avg: 4037.36 / Max: 4301.32
3600x pbo1
Min: 3576.99 / Avg: 4016.4 / Max: 4192.1
3800X 2 CPU fans
Min: 3595.66 / Avg: 4065.67 / Max: 4298.46
3800X 4.4GHz
Min: 4393.61 / Avg: 4399.41 / Max: 4402.19
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4342.62 / Avg: 4349.25 / Max: 4352.78
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4346.48 / Avg: 4349.29 / Max: 4349.91
3800X 4350 pds run 3
Min: 4344.56 / Avg: 4349.05 / Max: 4349.91
3800X 4400MHz 1.3V
Min: 4395.6 / Avg: 4399.51 / Max: 4400.2
3800X Test 1
Min: 3596.9 / Avg: 4116.37 / Max: 4260.03
3800X2
Min: 3434.29 / Avg: 4182.06 / Max: 4459.56
4.0GHz
Min: 3908.6 / Avg: 3993.29 / Max: 3999.85
4075
Min: 3975.7 / Avg: 4071.2 / Max: 4074.98
4100-5.6
Min: 4040.25 / Avg: 4097.6 / Max: 4130.21
4150
Min: 4115.3 / Avg: 4147.64 / Max: 4176.57
4250 1.3
Min: 4241.78 / Avg: 4250.25 / Max: 4268.36
4250 OC
Min: 4250.05 / Avg: 4250.05 / Max: 4250.06
4400 3800X 1.33V
Min: 4394.57 / Avg: 4399.17 / Max: 4399.94
4G
Min: 3948 / Avg: 3997.14 / Max: 4022
5.5-rc
Min: 3890.26 / Avg: 3971.05 / Max: 4197.95
5.5-tkg
Min: 3931.63 / Avg: 3997.04 / Max: 4009.12
5.6
Min: 3493 / Avg: 4061.68 / Max: 4099
5.6-tkg-acpi-nmon
Min: 4052.05 / Avg: 4073.27 / Max: 4098.65
5.6-tkg-acpi-pbo
Min: 3910.19 / Avg: 3984.68 / Max: 4253.62
5.6-tkg-pds-acpi
Min: 4031.88 / Avg: 4073.6 / Max: 4120.58
5800X first run
Min: 3385.14 / Avg: 4301.69 / Max: 4617.74
Arch 5.4.8
Min: 3300.11 / Avg: 3988.44 / Max: 4037.08
Arch 5.5-tkg
Min: 3469 / Avg: 4063.45 / Max: 4091
Arch Linux

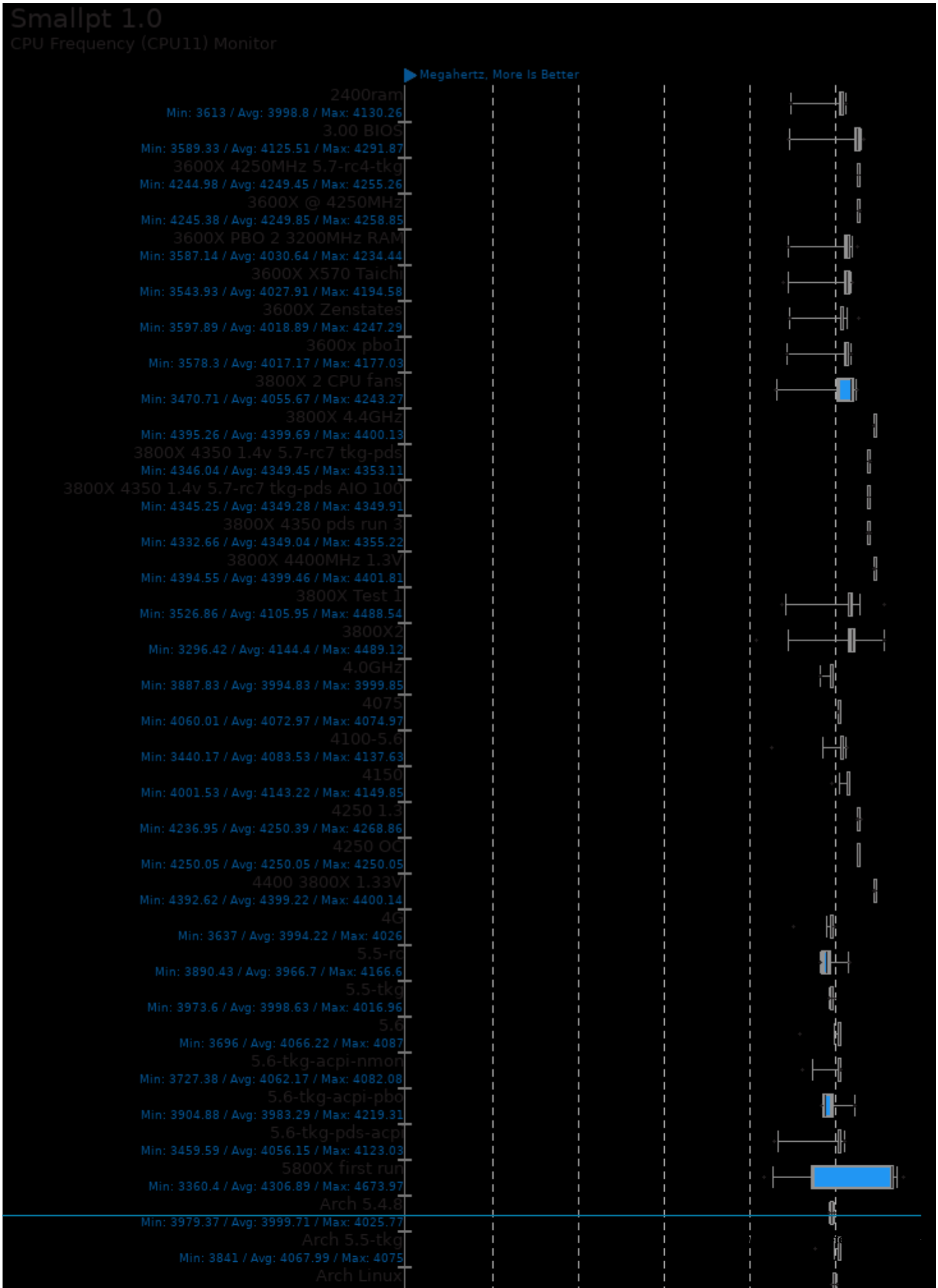
smallpt1


Smallpt 1.0
CPU Frequency (CPU9) Monitor
Megahertz, More Is Better
2400ram
Min: 3556.21 / Avg: 4001.42 / Max: 4130.59
3.00 BIOS
Min: 3593.5 / Avg: 4121.4 / Max: 4291.89
3600X 4250MHz 5.7-rc4-tkg
Min: 4243.93 / Avg: 4249.46 / Max: 4258.13
3600X @ 4250MHz
Min: 4245.12 / Avg: 4250.19 / Max: 4261.24
3600X PBO 2 3200MHz RAM
Min: 3589.98 / Avg: 4027.56 / Max: 4234.44
3600X X570 Taichi
Min: 3592.6 / Avg: 4038.12 / Max: 4202.3
3600X Zenstates
Min: 3595.18 / Avg: 4036.25 / Max: 4307.1
3600x pbo1
Min: 3589.1 / Avg: 4022.91 / Max: 4185.56
3800X 2 CPU fans
Min: 3563.62 / Avg: 4046.83 / Max: 4243.24
3800X 4.4GHz
Min: 4396.35 / Avg: 4399.71 / Max: 4408.09
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4345.83 / Avg: 4349.38 / Max: 4359.41
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4346.01 / Avg: 4349.25 / Max: 4349.91
3800X 4350 pds run 3
Min: 4346.18 / Avg: 4349.46 / Max: 4350.13
3800X 4400MHz 1.3V
Min: 4395.42 / Avg: 4399.62 / Max: 4402.28
3800X Test 1
Min: 3396.22 / Avg: 4084.18 / Max: 4370.03
3800X2
Min: 3541.53 / Avg: 4148.7 / Max: 4456.86
4.0GHz
Min: 3987.93 / Avg: 3999.32 / Max: 3999.85
4075
Min: 4055.93 / Avg: 4073 / Max: 4074.98
4100-5.6
Min: 4008.35 / Avg: 4095.67 / Max: 4099.36
4150
Min: 4112.96 / Avg: 4148.77 / Max: 4200.57
4250 1.3
Min: 4235.85 / Avg: 4250.05 / Max: 4258.14
4250 OC
Min: 4250.05 / Avg: 4250.05 / Max: 4250.05
4400 3800X 1.33V
Min: 4393.47 / Avg: 4399.2 / Max: 4399.93
4G
Min: 3973 / Avg: 3998.86 / Max: 4017
5.5-rc
Min: 3890.43 / Avg: 3971.58 / Max: 4188.42
5.5-tkg
Min: 3983.22 / Avg: 3998.68 / Max: 4000.11
5.6
Min: 3601 / Avg: 4064.7 / Max: 4078
5.6-tkg-acpi-nmon
Min: 4042.91 / Avg: 4072.18 / Max: 4086.67
5.6-tkg-acpi-pbo
Min: 3910.13 / Avg: 3985.87 / Max: 4221.47
5.6-tkg-pds-acpi
Min: 3614.05 / Avg: 4065.28 / Max: 4076.11
5800X first run
Min: 3323.67 / Avg: 4333.03 / Max: 4974.58
Arch 5.4.8
Min: 3970.34 / Avg: 3998.93 / Max: 4036.16
Arch 5.5-tkg
Min: 4047 / Avg: 4072.55 / Max: 4087
Arch Linux

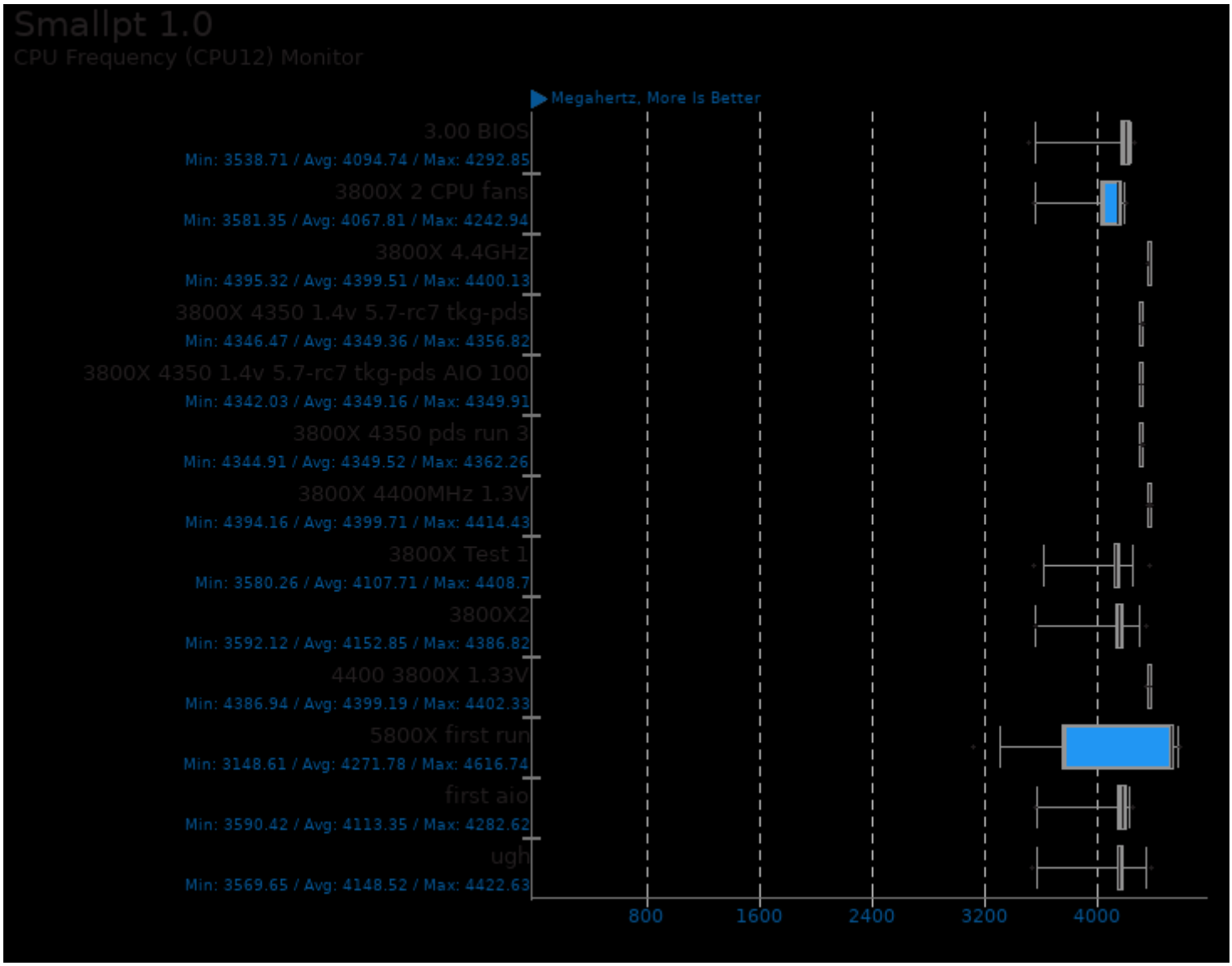
smallpt1


Smallpt 1.0
CPU Frequency (CPU10) Monitor
Megahertz, More Is Better
2400ram
Min: 3601.99 / Avg: 3994.38 / Max: 4139.49
3.00 BIOS
Min: 3574.22 / Avg: 4108.01 / Max: 4291.47
3600X 4250MHz 5.7-rc4-tkg
Min: 4246.69 / Avg: 4249.51 / Max: 4249.93
3600X @ 4250MHz
Min: 4239.84 / Avg: 4249.4 / Max: 4251.1
3600X PBO 2 3200MHz RAM
Min: 3592.53 / Avg: 4027.68 / Max: 4234.46
3600X X570 Taichi
Min: 3586.54 / Avg: 4031.3 / Max: 4200.05
3600X Zenstates
Min: 3596.56 / Avg: 4017.4 / Max: 4229.47
3600x pbo1
Min: 3584.06 / Avg: 4021.68 / Max: 4181.89
3800X 2 CPU fans
Min: 3406.29 / Avg: 4050.28 / Max: 4344.34
3800X 4.4GHz
Min: 4388.62 / Avg: 4399.41 / Max: 4401.68
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4343.38 / Avg: 4349.16 / Max: 4349.91
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4344.43 / Avg: 4349.36 / Max: 4353.7
3800X 4350 pds run 3
Min: 4346.23 / Avg: 4349.74 / Max: 4361.74
3800X 4400MHz 1.3V
Min: 4393.97 / Avg: 4399.5 / Max: 4405.22
3800X Test 1
Min: 3517.47 / Avg: 4075.99 / Max: 4260.18
3800X2
Min: 3402.91 / Avg: 4156.53 / Max: 4446.05
4.0GHz
Min: 3993.56 / Avg: 3999.4 / Max: 3999.85
4075
Min: 4036.86 / Avg: 4072.72 / Max: 4074.98
4100-5.6
Min: 4065.79 / Avg: 4096.31 / Max: 4106.14
4150
Min: 4127.46 / Avg: 4147.88 / Max: 4157.29
4250 1.3
Min: 4248.52 / Avg: 4250.08 / Max: 4250.77
4250 OC
Min: 4250.05 / Avg: 4250.05 / Max: 4250.05
4400 3800X 1.33V
Min: 4393.49 / Avg: 4399.23 / Max: 4402.71
4G
Min: 3970 / Avg: 3997.28 / Max: 4009
5.5-rc
Min: 3890.44 / Avg: 3971.23 / Max: 4192.51
5.5-tkg
Min: 3988.51 / Avg: 3998.83 / Max: 4000.12
5.6
Min: 4019 / Avg: 4070.7 / Max: 4093
5.6-tkg-acpi-nmon
Min: 4048.92 / Avg: 4072.22 / Max: 4099.77
5.6-tkg-acpi-pbo
Min: 3864.82 / Avg: 3982.03 / Max: 4229.17
5.6-tkg-pds-acpi
Min: 4045.85 / Avg: 4072.55 / Max: 4119.87
5800X first run
Min: 3130.91 / Avg: 4273.21 / Max: 4738.54
Arch 5.4.8
Min: 3971.66 / Avg: 3998.59 / Max: 4017.89
Arch 5.5-tkg
Min: 4036 / Avg: 4072.85 / Max: 4088
Arch Linux

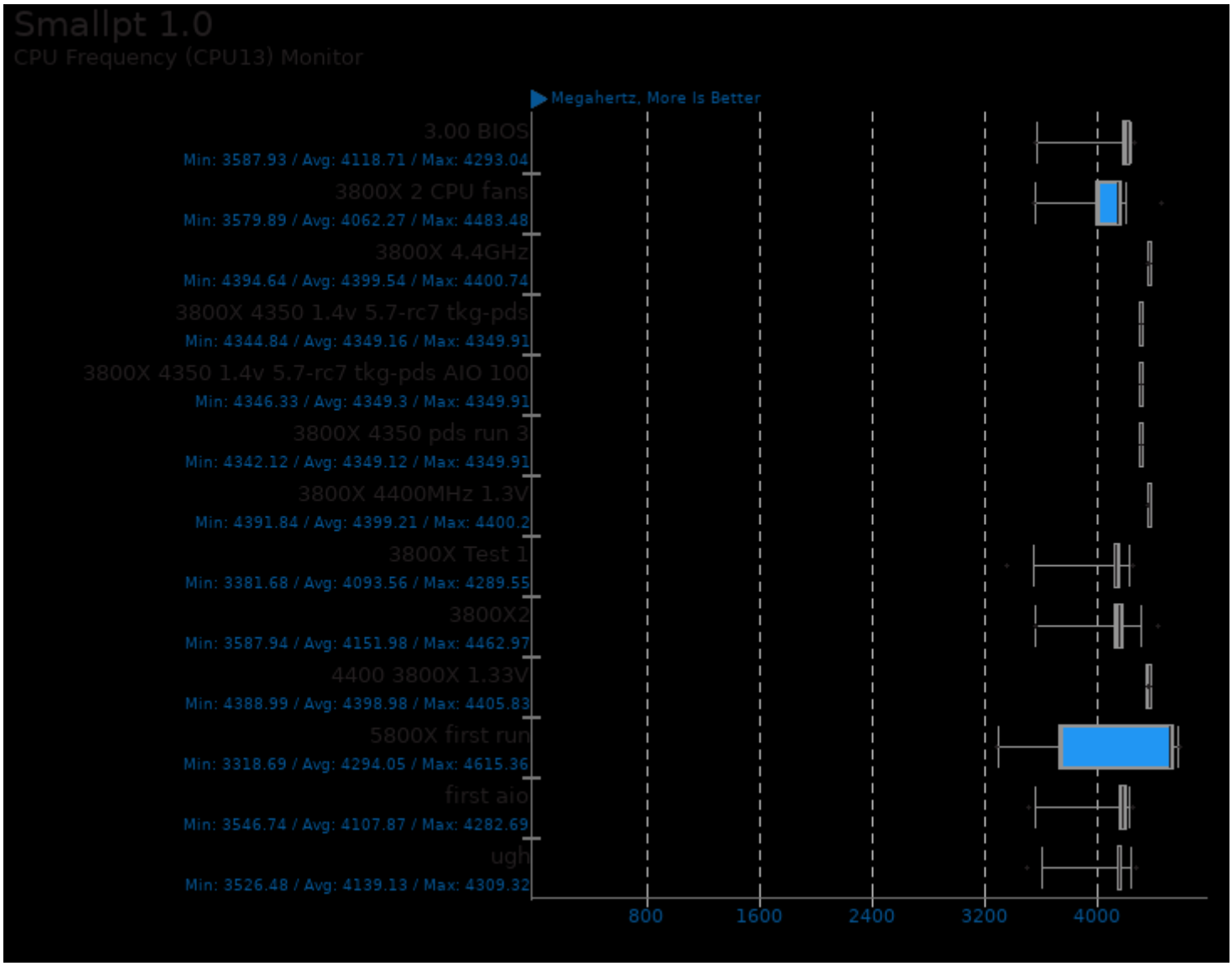
smallpt1


Smallpt 1.0
CPU Frequency (CPU11) Monitor
Megahertz, More Is Better
2400ram
Min: 3613 / Avg: 3998.8 / Max: 4130.26
3.00 BIOS
Min: 3589.33 / Avg: 4125.51 / Max: 4291.87
3600X 4250MHz 5.7-rc4-tkg
Min: 4244.98 / Avg: 4249.45 / Max: 4255.26
3600X @ 4250MHz
Min: 4245.38 / Avg: 4249.85 / Max: 4258.85
3600X PBO 2 3200MHz RAM
Min: 3587.14 / Avg: 4030.64 / Max: 4234.44
3600X X570 Taichi
Min: 3543.93 / Avg: 4027.91 / Max: 4194.58
3600X Zenstates
Min: 3597.89 / Avg: 4018.89 / Max: 4247.29
3600x pbo1
Min: 3578.3 / Avg: 4017.17 / Max: 4177.03
3800X 2 CPU fans
Min: 3470.71 / Avg: 4055.67 / Max: 4243.27
3800X 4.4GHz
Min: 4395.26 / Avg: 4399.69 / Max: 4400.13
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4346.04 / Avg: 4349.45 / Max: 4353.11
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4345.25 / Avg: 4349.28 / Max: 4349.91
3800X 4350 pds run 3
Min: 4332.66 / Avg: 4349.04 / Max: 4355.22
3800X 4400MHz 1.3V
Min: 4394.55 / Avg: 4399.46 / Max: 4401.81
3800X Test 1
Min: 3526.86 / Avg: 4105.95 / Max: 4488.54
3800X2
Min: 3296.42 / Avg: 4144.4 / Max: 4489.12
4.0GHz
Min: 3887.83 / Avg: 3994.83 / Max: 3999.85
4075
Min: 4060.01 / Avg: 4072.97 / Max: 4074.97
4100-5.6
Min: 3440.17 / Avg: 4083.53 / Max: 4137.63
4150
Min: 4001.53 / Avg: 4143.22 / Max: 4149.85
4250 1.3
Min: 4236.95 / Avg: 4250.39 / Max: 4268.86
4250 OC
Min: 4250.05 / Avg: 4250.05 / Max: 4250.05
4400 3800X 1.33V
Min: 4392.62 / Avg: 4399.22 / Max: 4400.14
4G
Min: 3637 / Avg: 3994.22 / Max: 4026
5.5-rc
Min: 3890.43 / Avg: 3966.7 / Max: 4166.6
5.5-tkg
Min: 3973.6 / Avg: 3998.63 / Max: 4016.96
5.6
Min: 3696 / Avg: 4066.22 / Max: 4087
5.6-tkg-acpi-nmon
Min: 3727.38 / Avg: 4062.17 / Max: 4082.08
5.6-tkg-acpi-pbo
Min: 3904.88 / Avg: 3983.29 / Max: 4219.31
5.6-tkg-pds-acpi
Min: 3459.59 / Avg: 4056.15 / Max: 4123.03
5800X first run
Min: 3360.4 / Avg: 4306.89 / Max: 4673.97
Arch 5.4.8
Min: 3979.37 / Avg: 3999.71 / Max: 4025.77
Arch 5.5-tkg
Min: 3841 / Avg: 4067.99 / Max: 4075
Arch Linux

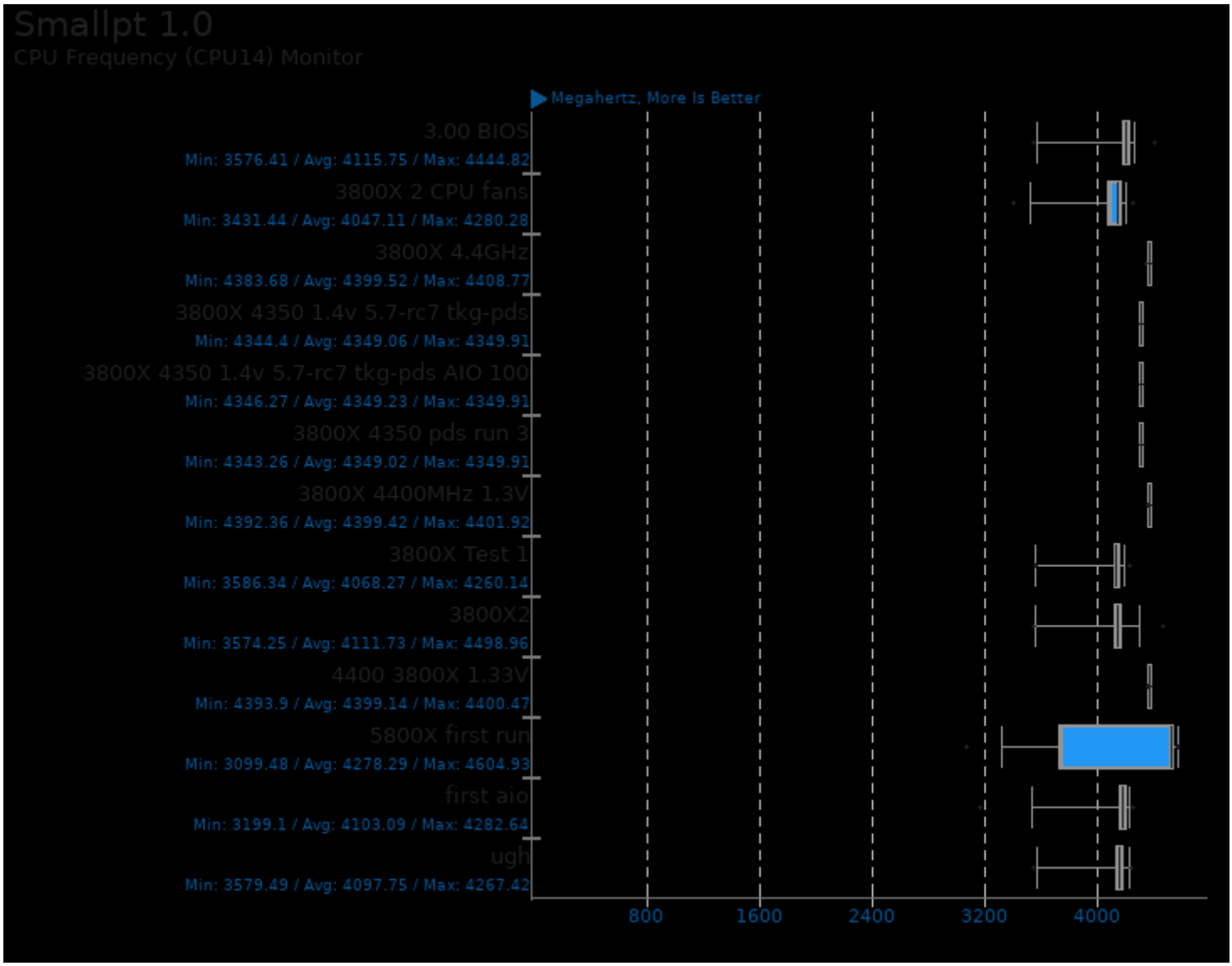
smallpt1


Smallpt 1.0
CPU Frequency (CPU12) Monitor
Megahertz, More Is Better
3.00 BIOS
Min: 3538.71 / Avg: 4094.74 / Max: 4292.85
3800X 2 CPU fans
Min: 3581.35 / Avg: 4067.81 / Max: 4242.94
3800X 4.4GHz
Min: 4395.32 / Avg: 4399.51 / Max: 4400.13
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4346.47 / Avg: 4349.36 / Max: 4356.82
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4342.03 / Avg: 4349.16 / Max: 4349.91
3800X 4350 pds run 3
Min: 4344.91 / Avg: 4349.52 / Max: 4362.26
3800X 4400MHz 1.3V
Min: 4394.16 / Avg: 4399.71 / Max: 4414.43
3800X Test 1
Min: 3580.26 / Avg: 4107.71 / Max: 4408.7
3800X2
Min: 3592.12 / Avg: 4152.85 / Max: 4386.82
4400 3800X 1.33V
Min: 4386.94 / Avg: 4399.19 / Max: 4402.33
5800X first run
Min: 3148.61 / Avg: 4271.78 / Max: 4616.74
first aio
Min: 3590.42 / Avg: 4113.35 / Max: 4282.62
ugh
Min: 3569.65 / Avg: 4148.52 / Max: 4422.63
800
1600
2400
3200
4000

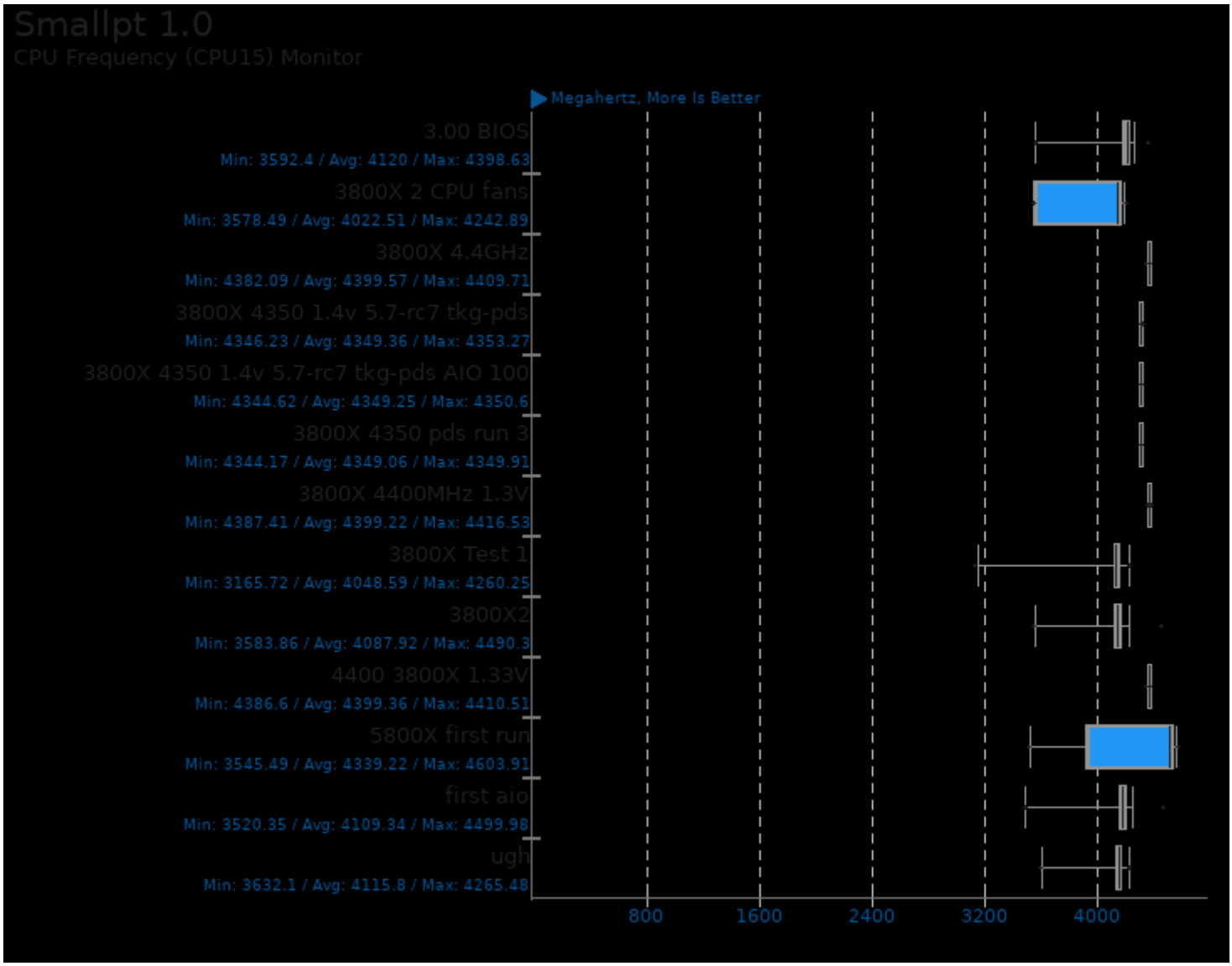
smallpt1


Smallpt 1.0
CPU Frequency (CPU13) Monitor
Megahertz, More Is Better
3.00 BIOS
Min: 3587.93 / Avg: 4118.71 / Max: 4293.04
3800X 2 CPU fans
Min: 3579.89 / Avg: 4062.27 / Max: 4483.48
3800X 4.4GHz
Min: 4394.64 / Avg: 4399.54 / Max: 4400.74
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4344.84 / Avg: 4349.16 / Max: 4349.91
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4346.33 / Avg: 4349.3 / Max: 4349.91
3800X 4350 pds run 3
Min: 4342.12 / Avg: 4349.12 / Max: 4349.91
3800X 4400MHz 1.3V
Min: 4391.84 / Avg: 4399.21 / Max: 4400.2
3800X Test 1
Min: 3381.68 / Avg: 4093.56 / Max: 4289.55
3800X2
Min: 3587.94 / Avg: 4151.98 / Max: 4462.97
4400 3800X 1.33V
Min: 4388.99 / Avg: 4398.98 / Max: 4405.83
5800X first run
Min: 3318.69 / Avg: 4294.05 / Max: 4615.36
first aio
Min: 3546.74 / Avg: 4107.87 / Max: 4282.69
ugh
Min: 3526.48 / Avg: 4139.13 / Max: 4309.32
800
1600
2400
3200
4000

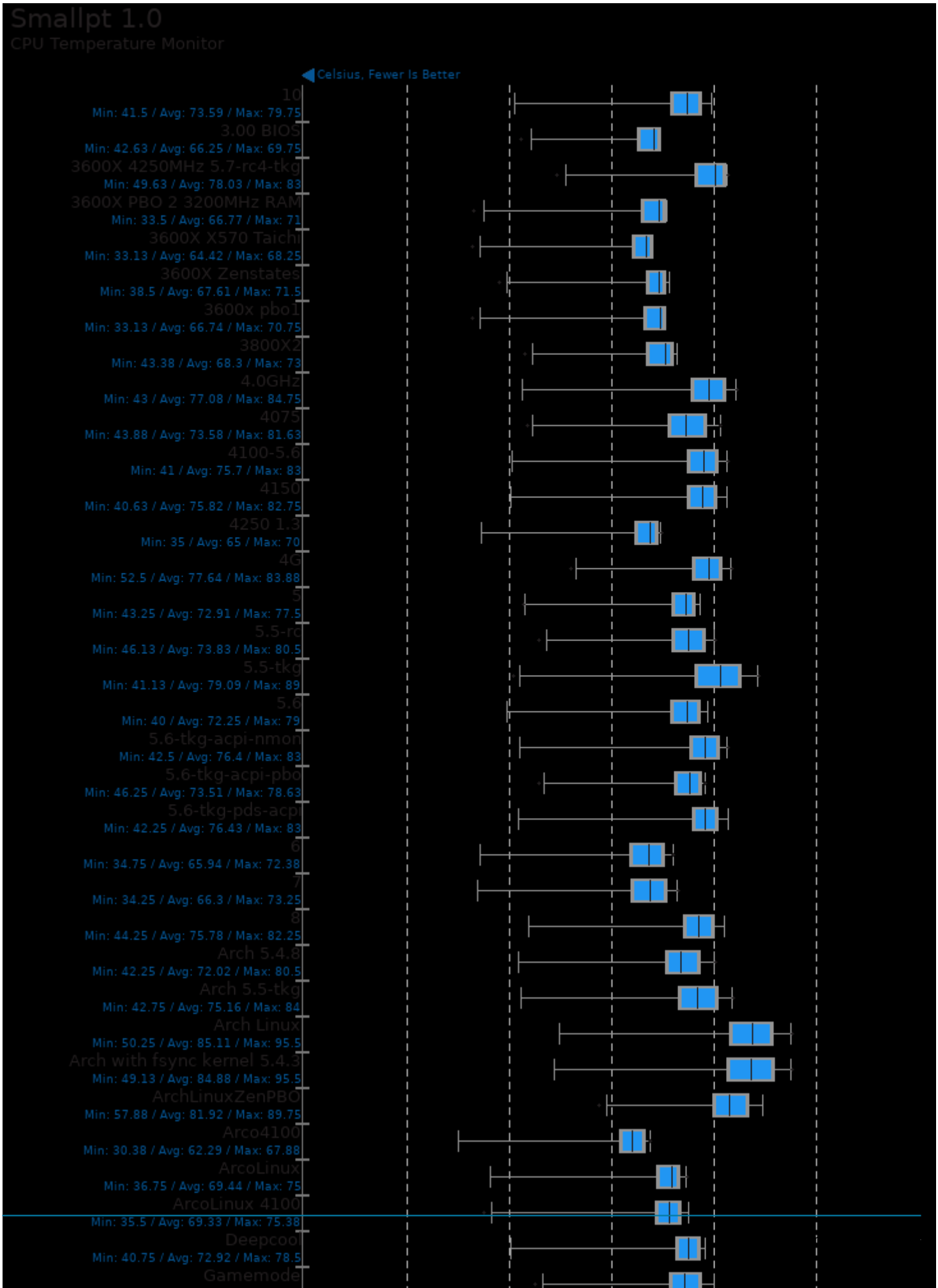
smallpt1


Smallpt 1.0
CPU Frequency (CPU14) Monitor
Megahertz, More Is Better
3.00 BIOS
Min: 3576.41 / Avg: 4115.75 / Max: 4444.82
3800X 2 CPU fans
Min: 3431.44 / Avg: 4047.11 / Max: 4280.28
3800X 4.4GHz
Min: 4383.68 / Avg: 4399.52 / Max: 4408.77
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4344.4 / Avg: 4349.06 / Max: 4349.91
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4346.27 / Avg: 4349.23 / Max: 4349.91
3800X 4350 pds run 3
Min: 4343.26 / Avg: 4349.02 / Max: 4349.91
3800X 4400MHz 1.3V
Min: 4392.36 / Avg: 4399.42 / Max: 4401.92
3800X Test 1
Min: 3586.34 / Avg: 4068.27 / Max: 4260.14
3800X2
Min: 3574.25 / Avg: 4111.73 / Max: 4498.96
4400 3800X 1.33V
Min: 4393.9 / Avg: 4399.14 / Max: 4400.47
5800X first run
Min: 3099.48 / Avg: 4278.29 / Max: 4604.93
first aio
Min: 3199.1 / Avg: 4103.09 / Max: 4282.64
ugh
Min: 3579.49 / Avg: 4097.75 / Max: 4267.42
800
1600
2400
3200
4000

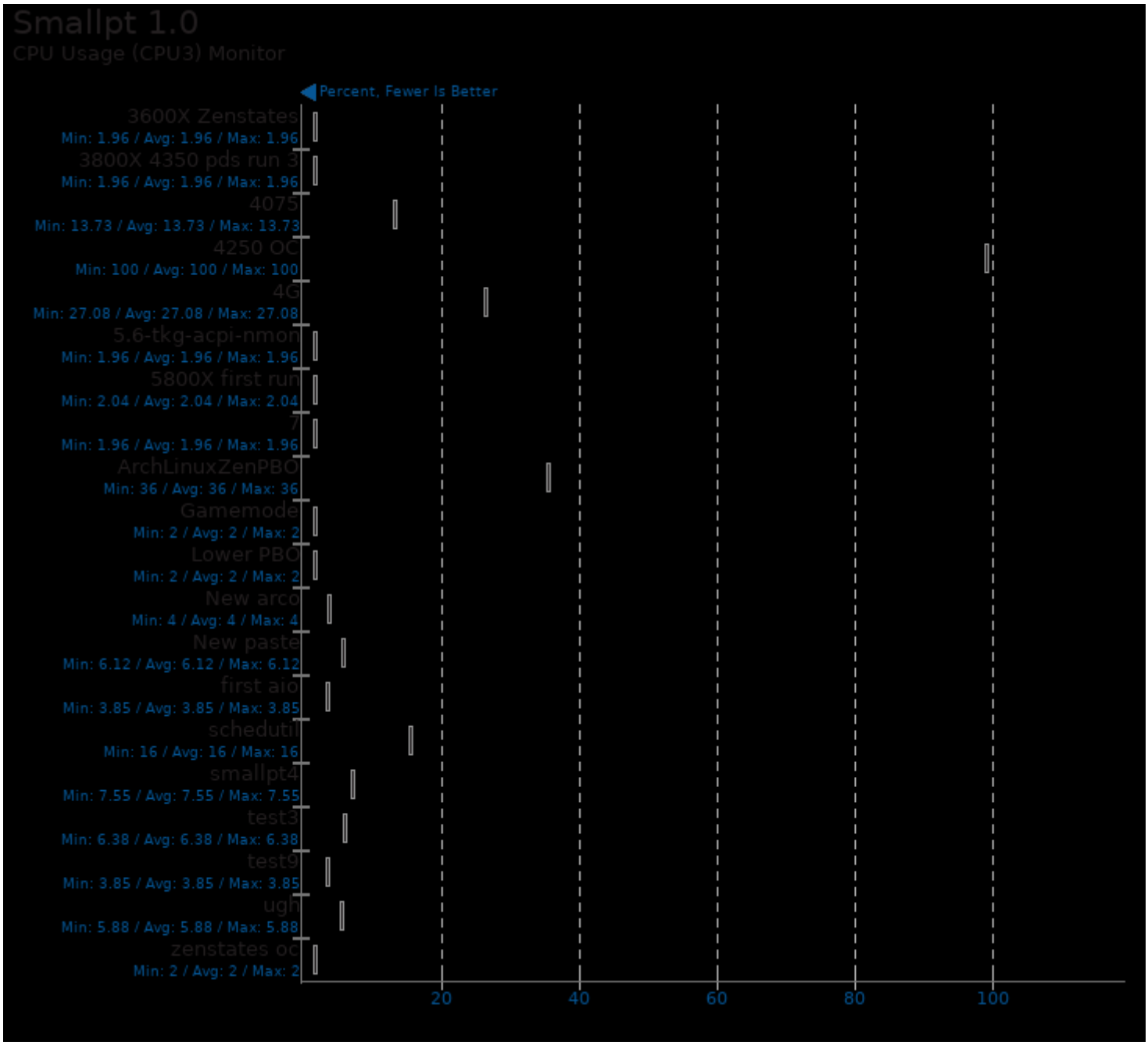
smallpt1


Smallpt 1.0
CPU Frequency (CPU15) Monitor
Megahertz, More Is Better
3.00 BIOS
Min: 3592.4 / Avg: 4120 / Max: 4398.63
3800X 2 CPU fans
Min: 3578.49 / Avg: 4022.51 / Max: 4242.89
3800X 4.4GHz
Min: 4382.09 / Avg: 4399.57 / Max: 4409.71
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 4346.23 / Avg: 4349.36 / Max: 4353.27
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 4344.62 / Avg: 4349.25 / Max: 4350.6
3800X 4350 pds run 3
Min: 4344.17 / Avg: 4349.06 / Max: 4349.91
3800X 4400MHz 1.3V
Min: 4387.41 / Avg: 4399.22 / Max: 4416.53
3800X Test 1
Min: 3165.72 / Avg: 4048.59 / Max: 4260.25
3800X2
Min: 3583.86 / Avg: 4087.92 / Max: 4490.3
4400 3800X 1.33V
Min: 4386.6 / Avg: 4399.36 / Max: 4410.51
5800X first run
Min: 3545.49 / Avg: 4339.22 / Max: 4603.91
first aio
Min: 3520.35 / Avg: 4109.34 / Max: 4499.98
ugh
Min: 3632.1 / Avg: 4115.8 / Max: 4265.48
800
1600
2400
3200
4000

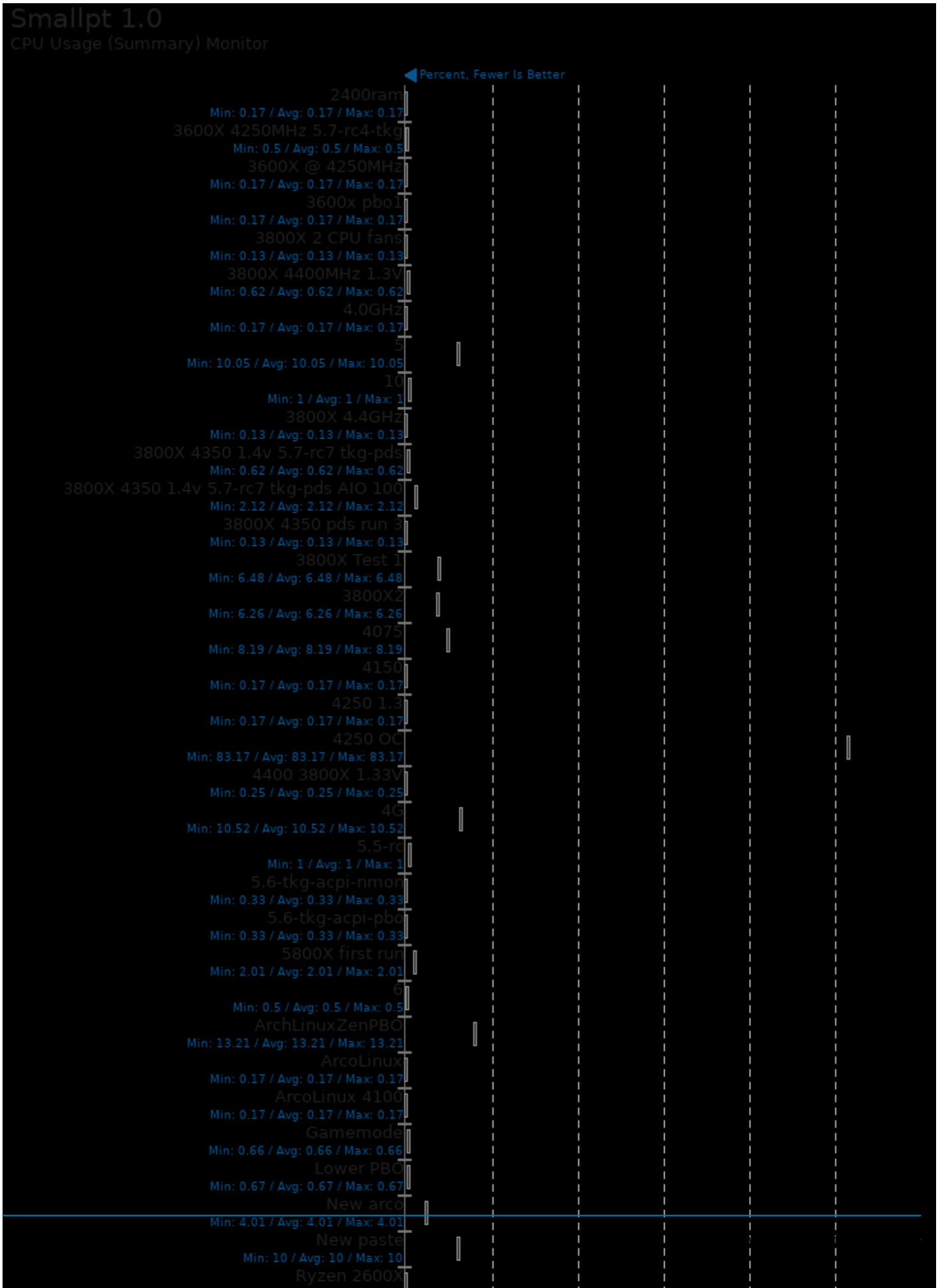
smallpt1


Smallpt 1.0
CPU Temperature Monitor
Celsius, Fewer Is Better
10
Min: 41.5 / Avg: 73.59 / Max: 79.75
3.00 BIOS
Min: 42.63 / Avg: 66.25 / Max: 69.75
3600X 4250MHz 5.7-rc4-tkg
Min: 49.63 / Avg: 78.03 / Max: 83
3600X PBO 2 3200MHz RAM
Min: 33.5 / Avg: 66.77 / Max: 71
3600X X570 Taichi
Min: 33.13 / Avg: 64.42 / Max: 68.25
3600X Zenstates
Min: 38.5 / Avg: 67.61 / Max: 71.5
3600x pbo1
Min: 33.13 / Avg: 66.74 / Max: 70.75
3800X2
Min: 43.38 / Avg: 68.3 / Max: 73
4.0GHz
Min: 43 / Avg: 77.08 / Max: 84.75
4075
Min: 43.88 / Avg: 73.58 / Max: 81.63
4100-5.6
Min: 41 / Avg: 75.7 / Max: 83
4150
Min: 40.63 / Avg: 75.82 / Max: 82.75
4250 1.3
Min: 35 / Avg: 65 / Max: 70
4G
Min: 52.5 / Avg: 77.64 / Max: 83.88
5
Min: 43.25 / Avg: 72.91 / Max: 77.5
5.5-rc
Min: 46.13 / Avg: 73.83 / Max: 80.5
5.5-tkg
Min: 41.13 / Avg: 79.09 / Max: 89
5.6
Min: 40 / Avg: 72.25 / Max: 79
5.6-tkg-acpi-nmon
Min: 42.5 / Avg: 76.4 / Max: 83
5.6-tkg-acpi-pbo
Min: 46.25 / Avg: 73.51 / Max: 78.63
5.6-tkg-pds-acpi
Min: 42.25 / Avg: 76.43 / Max: 83
6
Min: 34.75 / Avg: 65.94 / Max: 72.38
7
Min: 34.25 / Avg: 66.3 / Max: 73.25
8
Min: 44.25 / Avg: 75.78 / Max: 82.25
Arch 5.4.8
Min: 42.25 / Avg: 72.02 / Max: 80.5
Arch 5.5-tkg
Min: 42.75 / Avg: 75.16 / Max: 84
Arch Linux
Min: 50.25 / Avg: 85.11 / Max: 95.5
Arch with fsync kernel 5.4.3
Min: 49.13 / Avg: 84.88 / Max: 95.5
ArchLinuxZenPBO
Min: 57.88 / Avg: 81.92 / Max: 89.75
Arco4100
Min: 30.38 / Avg: 62.29 / Max: 67.88
ArcoLinux
Min: 36.75 / Avg: 69.44 / Max: 75
ArcoLinux 4100
Min: 35.5 / Avg: 69.33 / Max: 75.38
Deepcool
Min: 40.75 / Avg: 72.92 / Max: 78.5
Gamemode

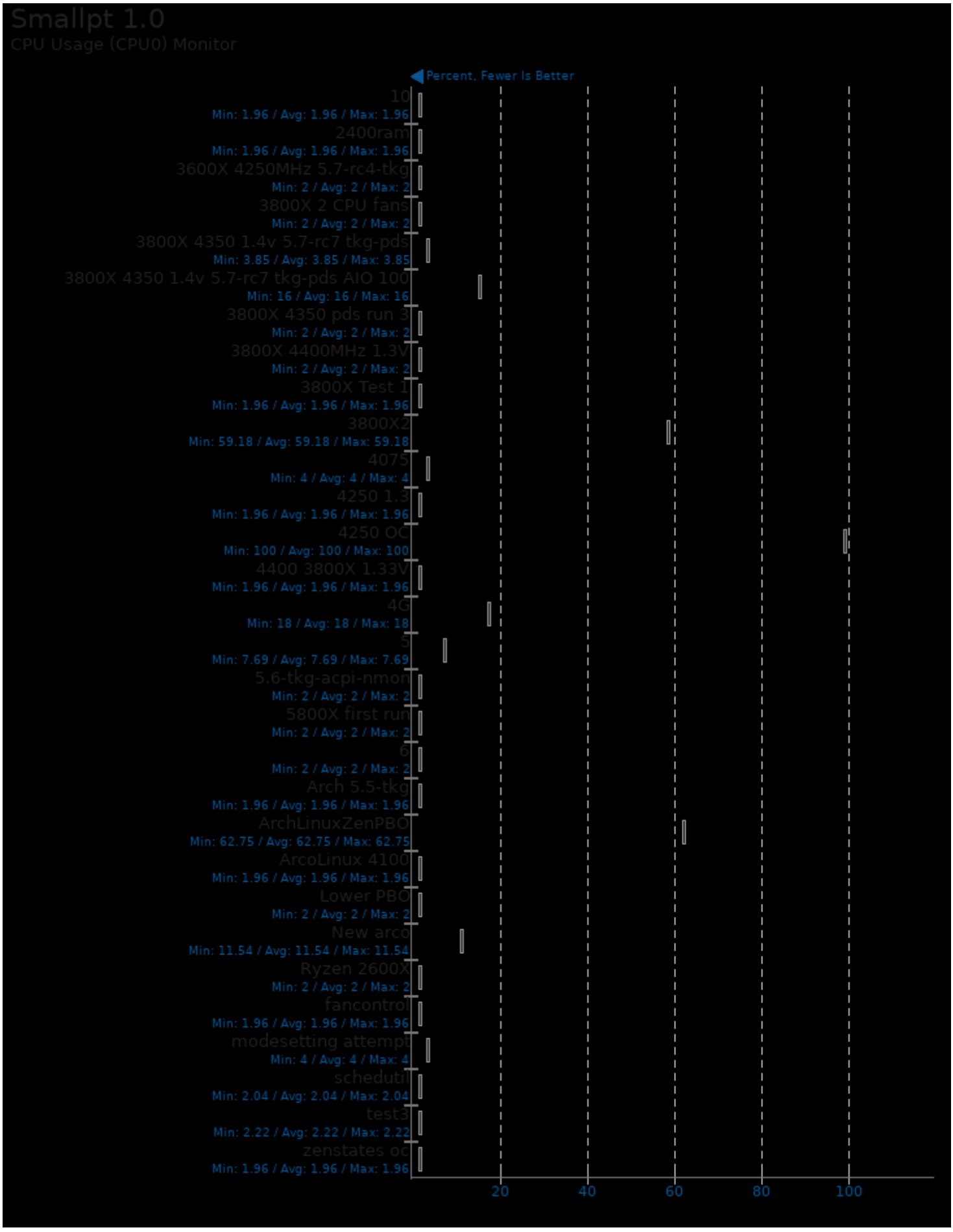
smallpt1


Smallpt 1.0
CPU Usage (CPU3) Monitor
Percent, Fewer Is Better
3600X Zenstates
Min: 1.96 / Avg: 1.96 / Max: 1.96
3800X 4350 pds run 3
Min: 1.96 / Avg: 1.96 / Max: 1.96
4075
Min: 13.73 / Avg: 13.73 / Max: 13.73
4250 OC
Min: 100 / Avg: 100 / Max: 100
4G
Min: 27.08 / Avg: 27.08 / Max: 27.08
5.6-tkg-acpi-nmon
Min: 1.96 / Avg: 1.96 / Max: 1.96
5800X first run
Min: 2.04 / Avg: 2.04 / Max: 2.04
7
Min: 1.96 / Avg: 1.96 / Max: 1.96
ArchLinuxZenPBO
Min: 36 / Avg: 36 / Max: 36
Gamemode
Min: 2 / Avg: 2 / Max: 2
Lower PBO
Min: 2 / Avg: 2 / Max: 2
New arco
Min: 4 / Avg: 4 / Max: 4
New paste
Min: 6.12 / Avg: 6.12 / Max: 6.12
first aid
Min: 3.85 / Avg: 3.85 / Max: 3.85
schedutil
Min: 16 / Avg: 16 / Max: 16
smallpt4
Min: 7.55 / Avg: 7.55 / Max: 7.55
test5
Min: 6.38 / Avg: 6.38 / Max: 6.38
test9
Min: 3.85 / Avg: 3.85 / Max: 3.85
ugh
Min: 5.88 / Avg: 5.88 / Max: 5.88
zenstates oc
Min: 2 / Avg: 2 / Max: 2
20
40
60
80
100

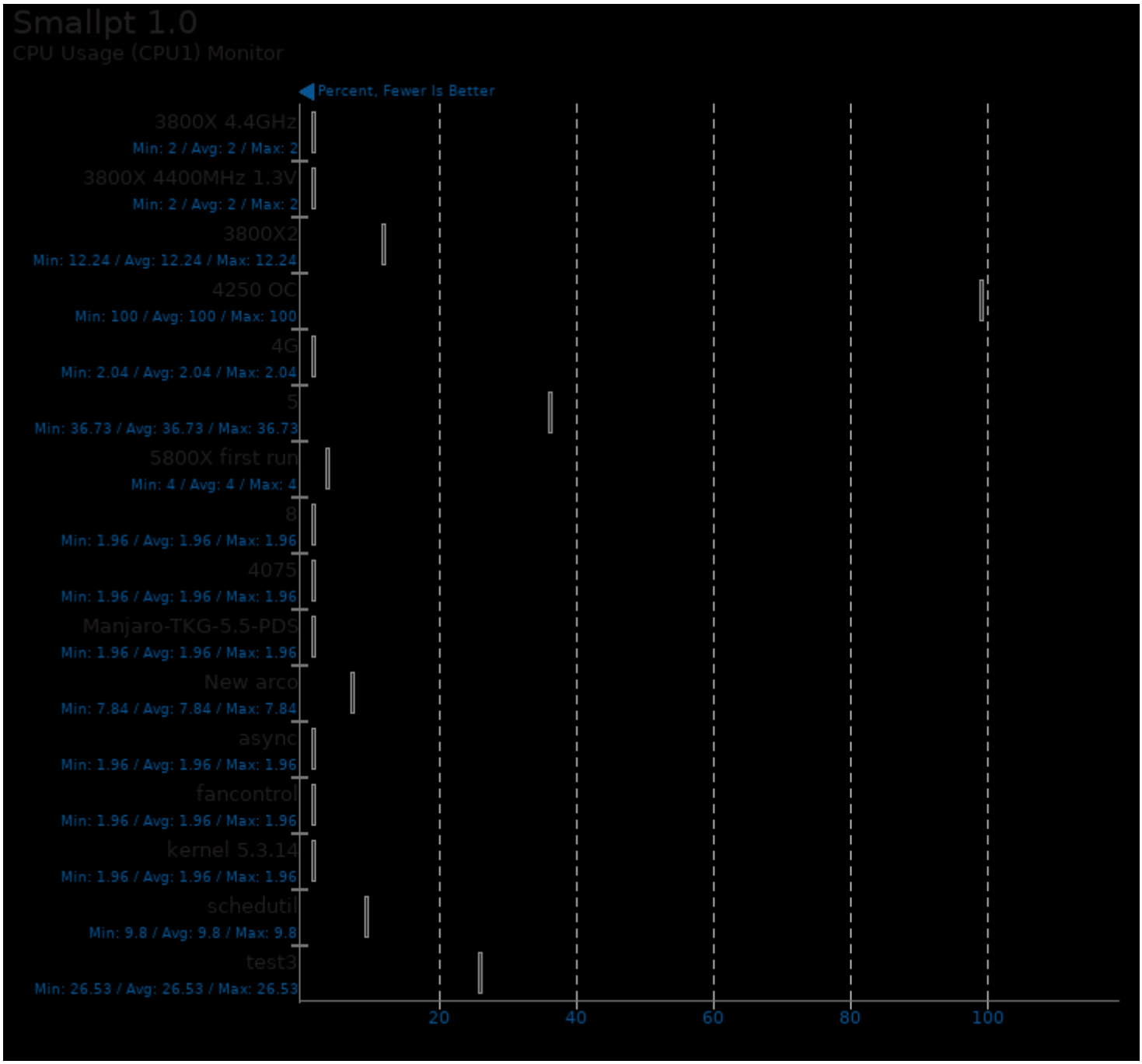
smallpt1


Smallpt 1.0
CPU Usage (Summary) Monitor
Percent, Fewer Is Better
2400ram
Min: 0.17 / Avg: 0.17 / Max: 0.17
3600X 4250MHz 5.7-rc4-tkg
Min: 0.5 / Avg: 0.5 / Max: 0.5
3600X @ 4250MHz
Min: 0.17 / Avg: 0.17 / Max: 0.17
3600x pbo1
Min: 0.17 / Avg: 0.17 / Max: 0.17
3800X 2 CPU fans
Min: 0.13 / Avg: 0.13 / Max: 0.13
3800X 4400MHz 1.3V
Min: 0.62 / Avg: 0.62 / Max: 0.62
4.0GHz
Min: 0.17 / Avg: 0.17 / Max: 0.17
5
Min: 10.05 / Avg: 10.05 / Max: 10.05
10
Min: 1 / Avg: 1 / Max: 1
3800X 4.4GHz
Min: 0.13 / Avg: 0.13 / Max: 0.13
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 0.62 / Avg: 0.62 / Max: 0.62
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 2.12 / Avg: 2.12 / Max: 2.12
3800X 4350 pds run 3
Min: 0.13 / Avg: 0.13 / Max: 0.13
3800X Test 1
Min: 6.48 / Avg: 6.48 / Max: 6.48
3800X2
Min: 6.26 / Avg: 6.26 / Max: 6.26
4075
Min: 8.19 / Avg: 8.19 / Max: 8.19
4150
Min: 0.17 / Avg: 0.17 / Max: 0.17
4250 1.3
Min: 0.17 / Avg: 0.17 / Max: 0.17
4250 OC
Min: 83.17 / Avg: 83.17 / Max: 83.17
4400 3800X 1.33V
Min: 0.25 / Avg: 0.25 / Max: 0.25
4G
Min: 10.52 / Avg: 10.52 / Max: 10.52
5.5-rc
Min: 1 / Avg: 1 / Max: 1
5.6-tkg-acpi-nmon
Min: 0.33 / Avg: 0.33 / Max: 0.33
5.6-tkg-acpi-pbo
Min: 0.33 / Avg: 0.33 / Max: 0.33
5800X first run
Min: 2.01 / Avg: 2.01 / Max: 2.01
6
Min: 0.5 / Avg: 0.5 / Max: 0.5
ArchLinuxZenPBO
Min: 13.21 / Avg: 13.21 / Max: 13.21
ArcoLinux
Min: 0.17 / Avg: 0.17 / Max: 0.17
ArcoLinux 4100
Min: 0.17 / Avg: 0.17 / Max: 0.17
Gamemode
Min: 0.66 / Avg: 0.66 / Max: 0.66
Lower PBO
Min: 0.67 / Avg: 0.67 / Max: 0.67
New arco
Min: 4.01 / Avg: 4.01 / Max: 4.01
New paste
Min: 10 / Avg: 10 / Max: 10
Ryzen 2600X

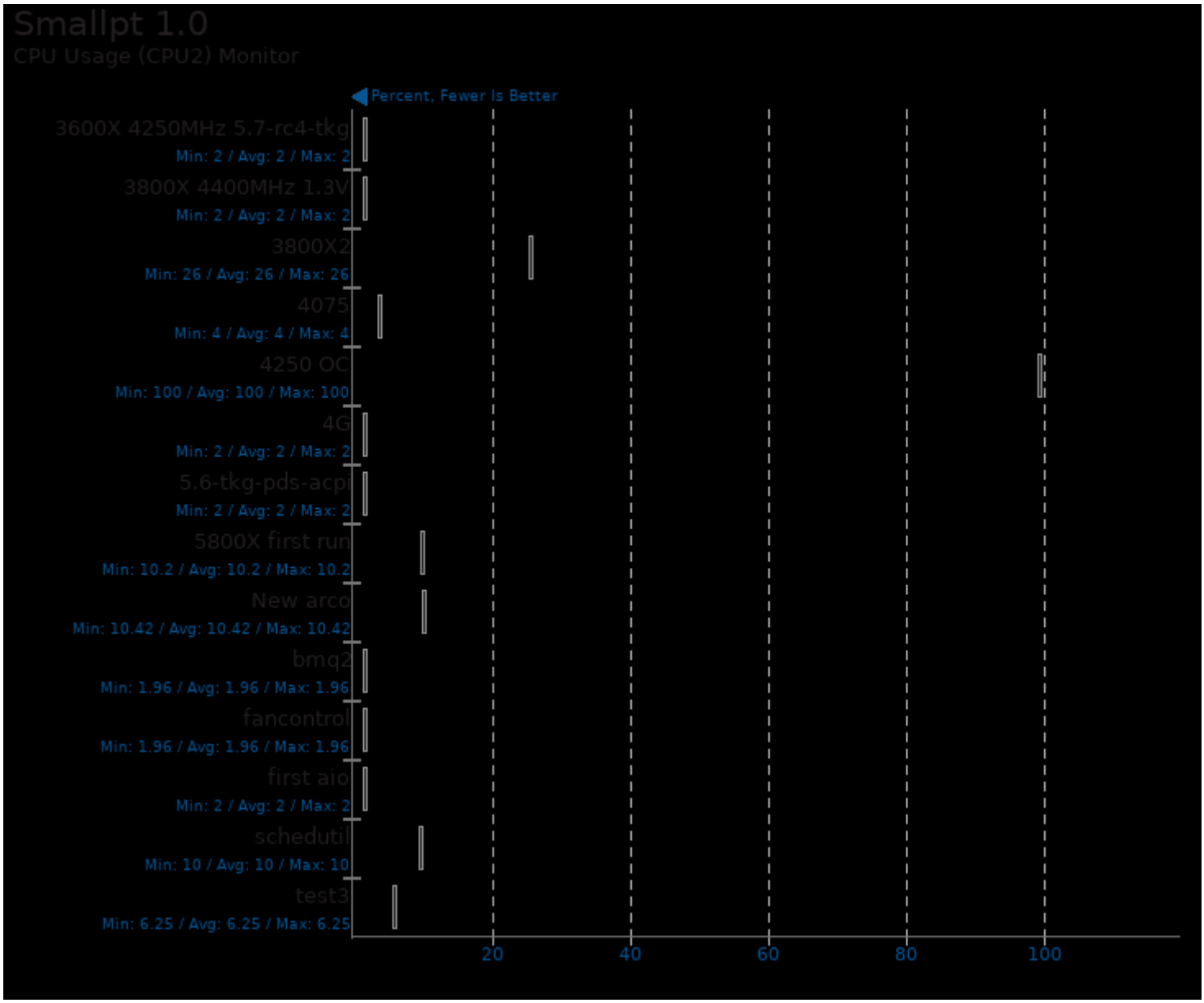
smallpt1


Smallpt 1.0
CPU Usage (CPU0) Monitor
Percent, Fewer Is Better
10
Min: 1.96 / Avg: 1.96 / Max: 1.96
2400ram
Min: 1.96 / Avg: 1.96 / Max: 1.96
3600X 4250MHz 5.7-rc4-tkg
Min: 2 / Avg: 2 / Max: 2
3800X 2 CPU fans
Min: 2 / Avg: 2 / Max: 2
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 3.85 / Avg: 3.85 / Max: 3.85
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 16 / Avg: 16 / Max: 16
3800X 4350 pds run 3
Min: 2 / Avg: 2 / Max: 2
3800X 4400MHz 1.3V
Min: 2 / Avg: 2 / Max: 2
3800X Test 1
Min: 1.96 / Avg: 1.96 / Max: 1.96
3800X2
Min: 59.18 / Avg: 59.18 / Max: 59.18
4075
Min: 4 / Avg: 4 / Max: 4
4250 1.3
Min: 1.96 / Avg: 1.96 / Max: 1.96
4250 OC
Min: 100 / Avg: 100 / Max: 100
4400 3800X 1.33V
Min: 1.96 / Avg: 1.96 / Max: 1.96
4G
Min: 18 / Avg: 18 / Max: 18
5
Min: 7.69 / Avg: 7.69 / Max: 7.69
5.6-tkg-acpi-nmon
Min: 2 / Avg: 2 / Max: 2
5800X first run
Min: 2 / Avg: 2 / Max: 2
6
Min: 2 / Avg: 2 / Max: 2
Arch 5.5-tkg
Min: 1.96 / Avg: 1.96 / Max: 1.96
ArchLinuxZenPBO
Min: 62.75 / Avg: 62.75 / Max: 62.75
ArcoLinux 4100
Min: 1.96 / Avg: 1.96 / Max: 1.96
Lower PBO
Min: 2 / Avg: 2 / Max: 2
New arco
Min: 11.54 / Avg: 11.54 / Max: 11.54
Ryzen 2600X
Min: 2 / Avg: 2 / Max: 2
fancontrol
Min: 1.96 / Avg: 1.96 / Max: 1.96
modesetting attempt
Min: 4 / Avg: 4 / Max: 4
schedutil
Min: 2.04 / Avg: 2.04 / Max: 2.04
test3
Min: 2.22 / Avg: 2.22 / Max: 2.22
zenstates oc
Min: 1.96 / Avg: 1.96 / Max: 1.96
20
40
60
80
100

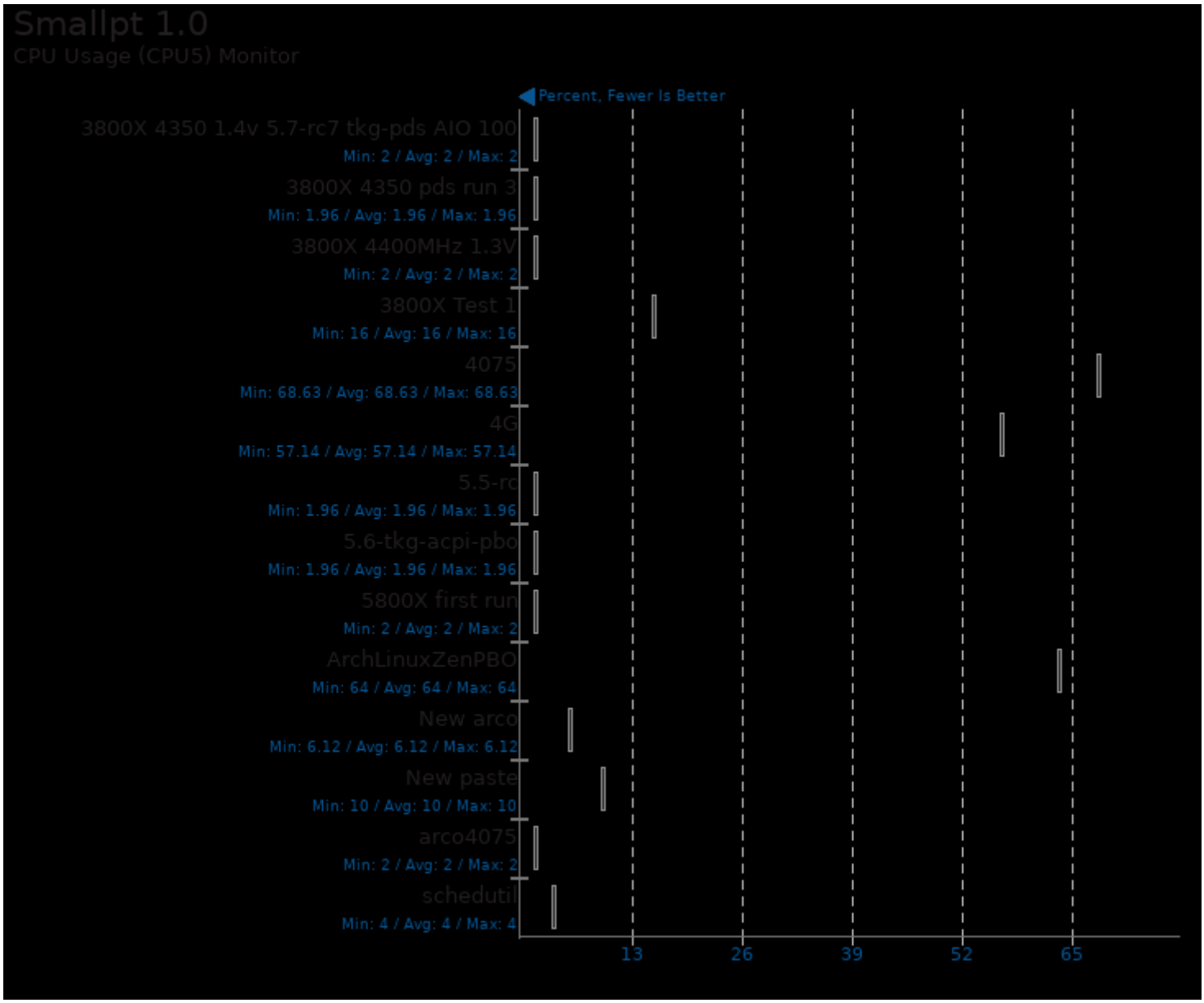
smallpt1


Smallpt 1.0
CPU Usage (CPU1) Monitor
Percent, Fewer Is Better
3800X 4.4GHz
Min: 2 / Avg: 2 / Max: 2
3800X 4400MHz 1.3V
Min: 2 / Avg: 2 / Max: 2
3800X2
Min: 12.24 / Avg: 12.24 / Max: 12.24
4250 OC
Min: 100 / Avg: 100 / Max: 100
4G
Min: 2.04 / Avg: 2.04 / Max: 2.04
5
Min: 36.73 / Avg: 36.73 / Max: 36.73
5800X first run
Min: 4 / Avg: 4 / Max: 4
8
Min: 1.96 / Avg: 1.96 / Max: 1.96
4075
Min: 1.96 / Avg: 1.96 / Max: 1.96
Manjaro-TKG-5.5-PDS
Min: 1.96 / Avg: 1.96 / Max: 1.96
New arco
Min: 7.84 / Avg: 7.84 / Max: 7.84
async
Min: 1.96 / Avg: 1.96 / Max: 1.96
fancontrol
Min: 1.96 / Avg: 1.96 / Max: 1.96
kernel 5.3.14
Min: 1.96 / Avg: 1.96 / Max: 1.96
scheduti
Min: 9.8 / Avg: 9.8 / Max: 9.8
test3
Min: 26.53 / Avg: 26.53 / Max: 26.53
20
40
60
80
100

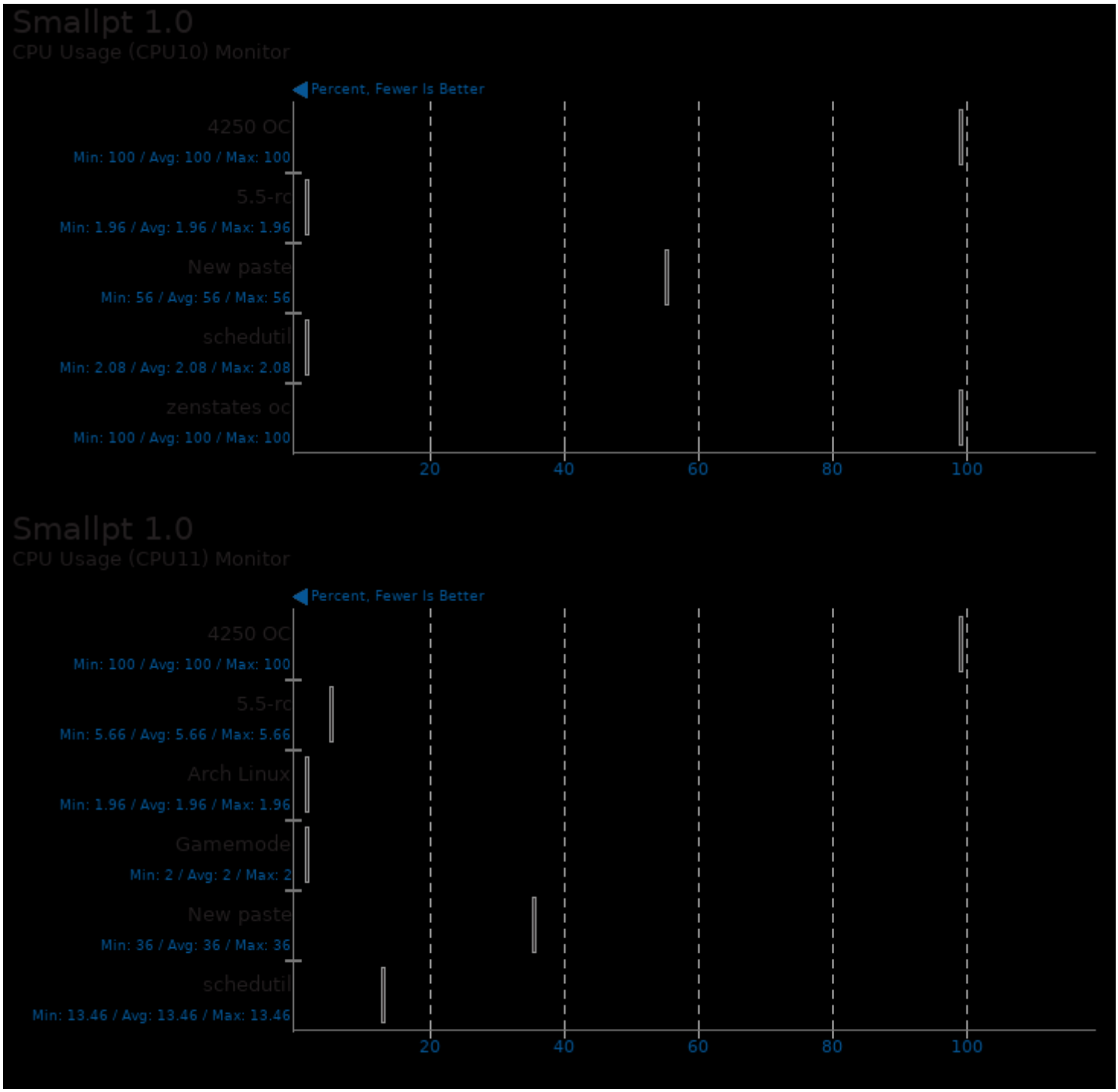
smallpt1


Smallpt 1.0
CPU Usage (CPU2) Monitor
Percent, Fewer Is Better
3600X 4250MHz 5.7-rc4-tkg
Min: 2 / Avg: 2 / Max: 2
3800X 4400MHz 1.3V
Min: 2 / Avg: 2 / Max: 2
3800X2
Min: 26 / Avg: 26 / Max: 26
4075
Min: 4 / Avg: 4 / Max: 4
4250 OC
Min: 100 / Avg: 100 / Max: 100
4G
Min: 2 / Avg: 2 / Max: 2
5.6-tkg-pds-acpi
Min: 2 / Avg: 2 / Max: 2
5800X first run
Min: 10.2 / Avg: 10.2 / Max: 10.2
New arco
Min: 10.42 / Avg: 10.42 / Max: 10.42
bmq2
Min: 1.96 / Avg: 1.96 / Max: 1.96
fancontrol
Min: 1.96 / Avg: 1.96 / Max: 1.96
first aio
Min: 2 / Avg: 2 / Max: 2
schedutil
Min: 10 / Avg: 10 / Max: 10
test3
Min: 6.25 / Avg: 6.25 / Max: 6.25
20
40
60
80
100

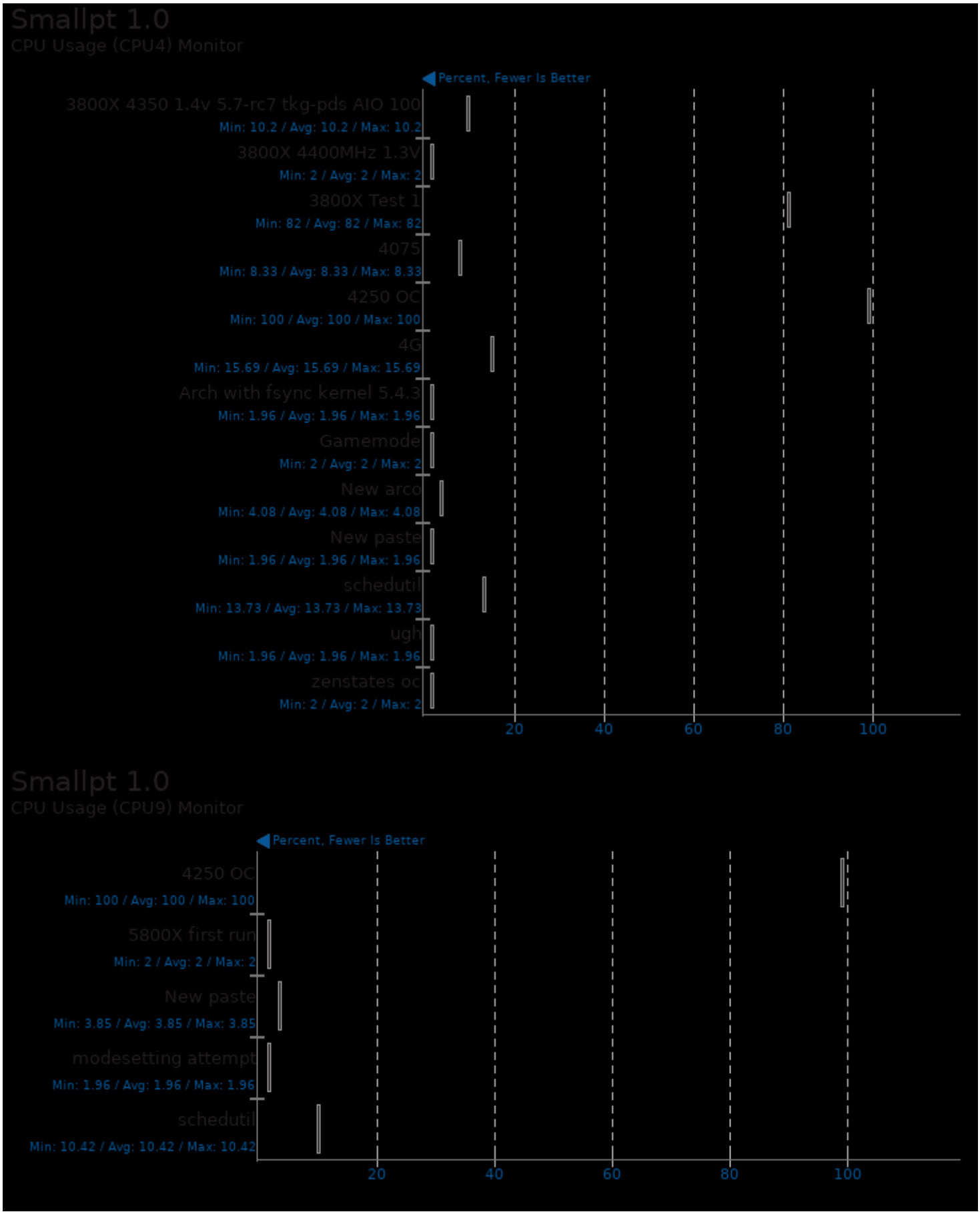
smallpt1


Smallpt 1.0
CPU Usage (CPU5) Monitor
Percent, Fewer Is Better
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 2 / Avg: 2 / Max: 2
3800X 4350 pds run 3
Min: 1.96 / Avg: 1.96 / Max: 1.96
3800X 4400MHz 1.3V
Min: 2 / Avg: 2 / Max: 2
3800X Test 1
Min: 16 / Avg: 16 / Max: 16
4075
Min: 68.63 / Avg: 68.63 / Max: 68.63
4G
Min: 57.14 / Avg: 57.14 / Max: 57.14
5.5-rc
Min: 1.96 / Avg: 1.96 / Max: 1.96
5.6-tkg-acpi-pbo
Min: 1.96 / Avg: 1.96 / Max: 1.96
5800X first run
Min: 2 / Avg: 2 / Max: 2
ArchLinuxZenPBO
Min: 64 / Avg: 64 / Max: 64
New arco
Min: 6.12 / Avg: 6.12 / Max: 6.12
New paste
Min: 10 / Avg: 10 / Max: 10
arco4075
Min: 2 / Avg: 2 / Max: 2
schedutil
Min: 4 / Avg: 4 / Max: 4
13
26
39
52
65

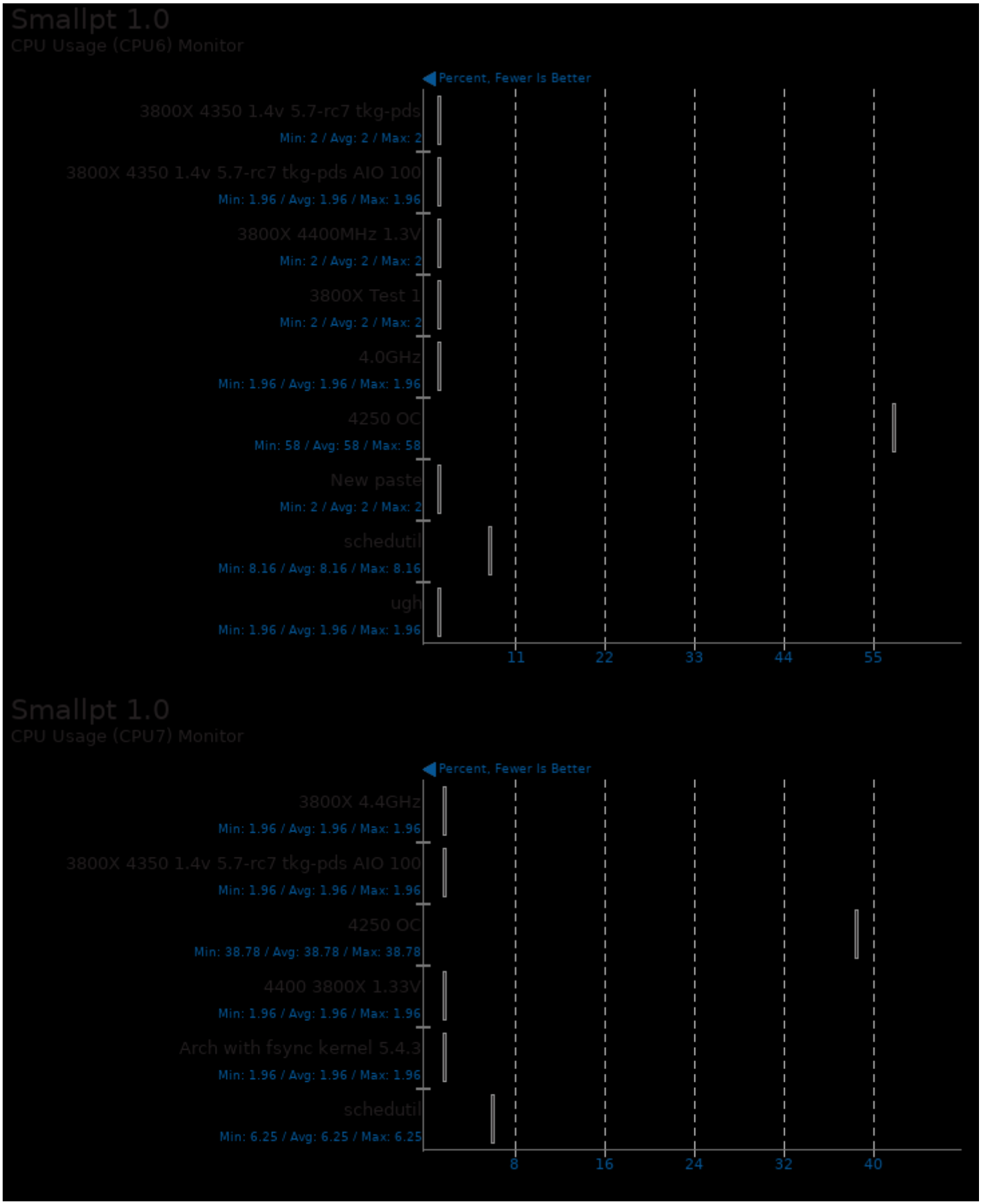
smallpt1


Smallpt 1.0
CPU Usage (CPU10) Monitor
Percent, Fewer Is Better
4250 OC
Min: 100 / Avg: 100 / Max: 100
5.5-rc
Min: 1.96 / Avg: 1.96 / Max: 1.96
New paste
Min: 56 / Avg: 56 / Max: 56
schedutil
Min: 2.08 / Avg: 2.08 / Max: 2.08
zenstates oc
Min: 100 / Avg: 100 / Max: 100
20
40
60
80
100
Smallpt 1.0
CPU Usage (CPU11) Monitor
Percent, Fewer Is Better
4250 OC
Min: 100 / Avg: 100 / Max: 100
5.5-rc
Min: 5.66 / Avg: 5.66 / Max: 5.66
Arch Linux
Min: 1.96 / Avg: 1.96 / Max: 1.96
Gamemode
Min: 2 / Avg: 2 / Max: 2
New paste
Min: 36 / Avg: 36 / Max: 36
schedutil
Min: 13.46 / Avg: 13.46 / Max: 13.46
20
40
60
80
100

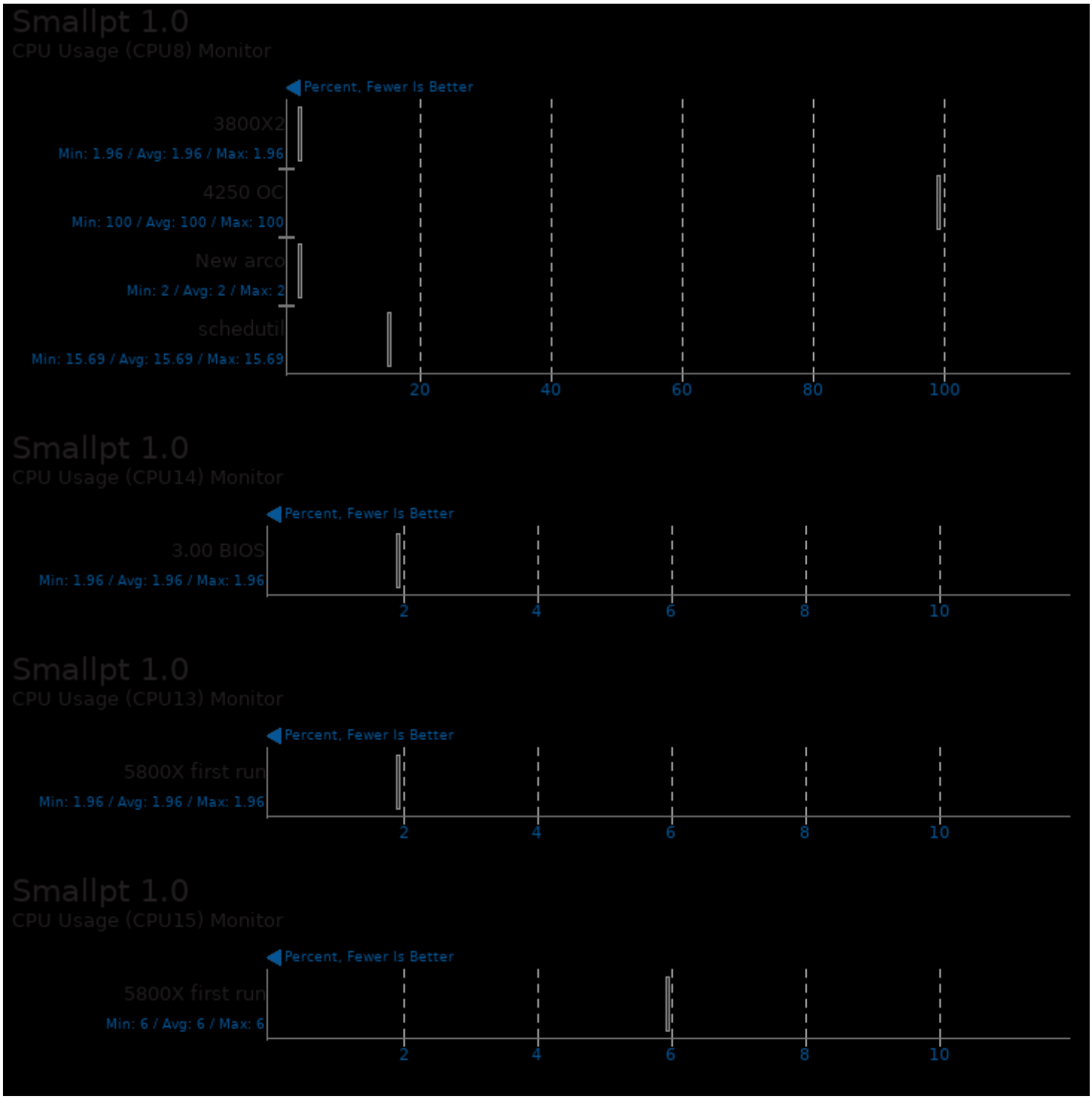
smallpt1


Smallpt 1.0
CPU Usage (CPU4) Monitor
Percent, Fewer Is Better
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 10.2 / Avg: 10.2 / Max: 10.2
3800X 4400MHz 1.3V
Min: 2 / Avg: 2 / Max: 2
3800X Test 1
Min: 82 / Avg: 82 / Max: 82
4075
Min: 8.33 / Avg: 8.33 / Max: 8.33
4250 OC
Min: 100 / Avg: 100 / Max: 100
4G
Min: 15.69 / Avg: 15.69 / Max: 15.69
Arch with fsync kernel 5.4.3
Min: 1.96 / Avg: 1.96 / Max: 1.96
Gamemode
Min: 2 / Avg: 2 / Max: 2
New arco
Min: 4.08 / Avg: 4.08 / Max: 4.08
New paste
Min: 1.96 / Avg: 1.96 / Max: 1.96
schedutil
Min: 13.73 / Avg: 13.73 / Max: 13.73
ugh
Min: 1.96 / Avg: 1.96 / Max: 1.96
zenstates oc
Min: 2 / Avg: 2 / Max: 2
20
40
60
80
100
Smallpt 1.0
CPU Usage (CPU9) Monitor
Percent, Fewer Is Better
4250 OC
Min: 100 / Avg: 100 / Max: 100
5800X first run
Min: 2 / Avg: 2 / Max: 2
New paste
Min: 3.85 / Avg: 3.85 / Max: 3.85
modesetting attempt
Min: 1.96 / Avg: 1.96 / Max: 1.96
schedutil
Min: 10.42 / Avg: 10.42 / Max: 10.42
20
40
60
80
100

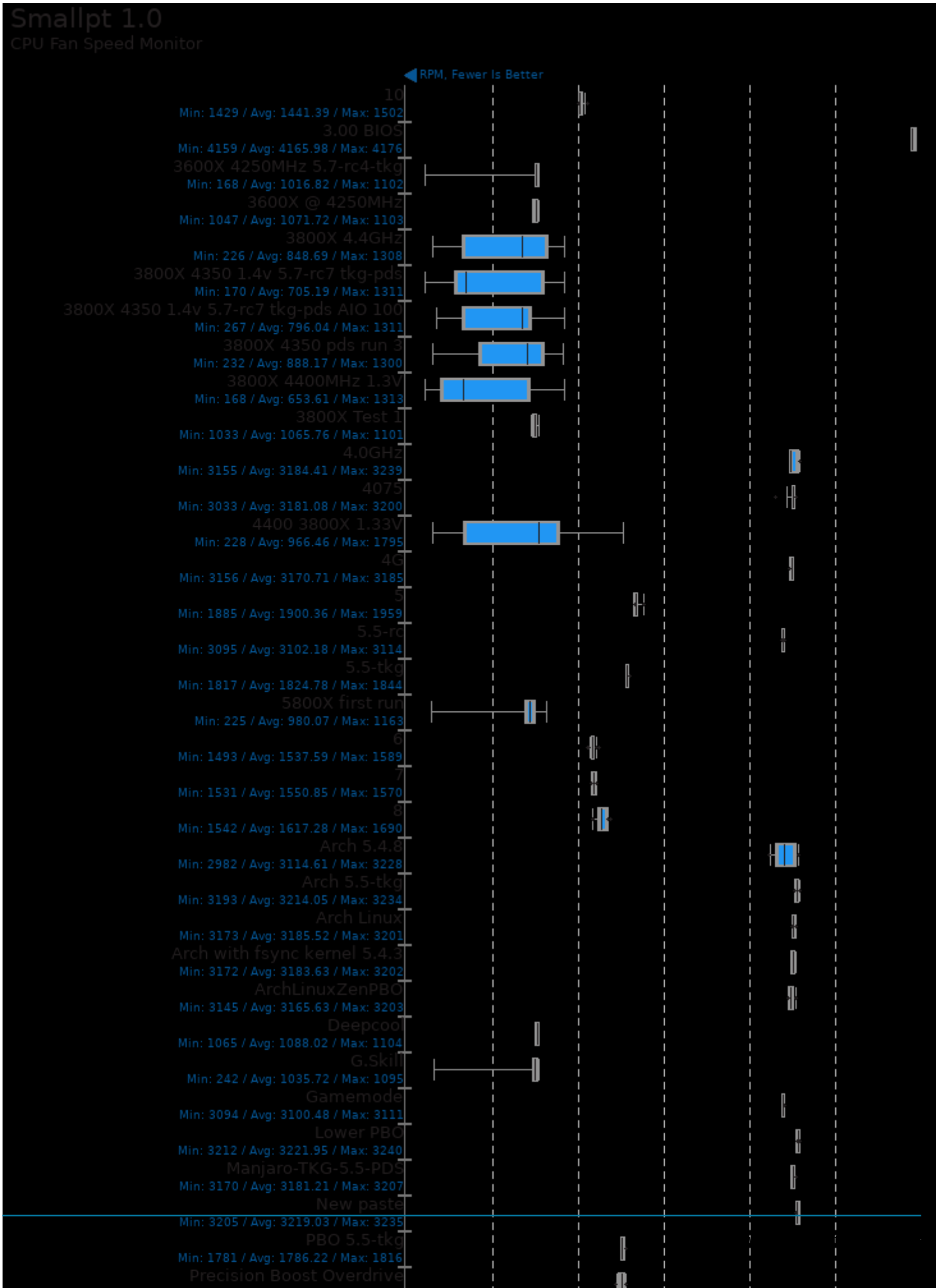
smallpt1


Smallpt 1.0
CPU Usage (CPU6) Monitor
Percent, Fewer Is Better
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 2 / Avg: 2 / Max: 2
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 1.96 / Avg: 1.96 / Max: 1.96
3800X 4400MHz 1.3V
Min: 2 / Avg: 2 / Max: 2
3800X Test 1
Min: 2 / Avg: 2 / Max: 2
4.0GHz
Min: 1.96 / Avg: 1.96 / Max: 1.96
4250 OC
Min: 58 / Avg: 58 / Max: 58
New paste
Min: 2 / Avg: 2 / Max: 2
schedutil
Min: 8.16 / Avg: 8.16 / Max: 8.16
ugh
Min: 1.96 / Avg: 1.96 / Max: 1.96
11
22
33
44
55
Smallpt 1.0
CPU Usage (CPU7) Monitor
Percent, Fewer Is Better
3800X 4.4GHz
Min: 1.96 / Avg: 1.96 / Max: 1.96
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 1.96 / Avg: 1.96 / Max: 1.96
4250 OC
Min: 38.78 / Avg: 38.78 / Max: 38.78
4400 3800X 1.33V
Min: 1.96 / Avg: 1.96 / Max: 1.96
Arch with fsync kernel 5.4.3
Min: 1.96 / Avg: 1.96 / Max: 1.96
schedutil
Min: 6.25 / Avg: 6.25 / Max: 6.25
8
16
24
32
40

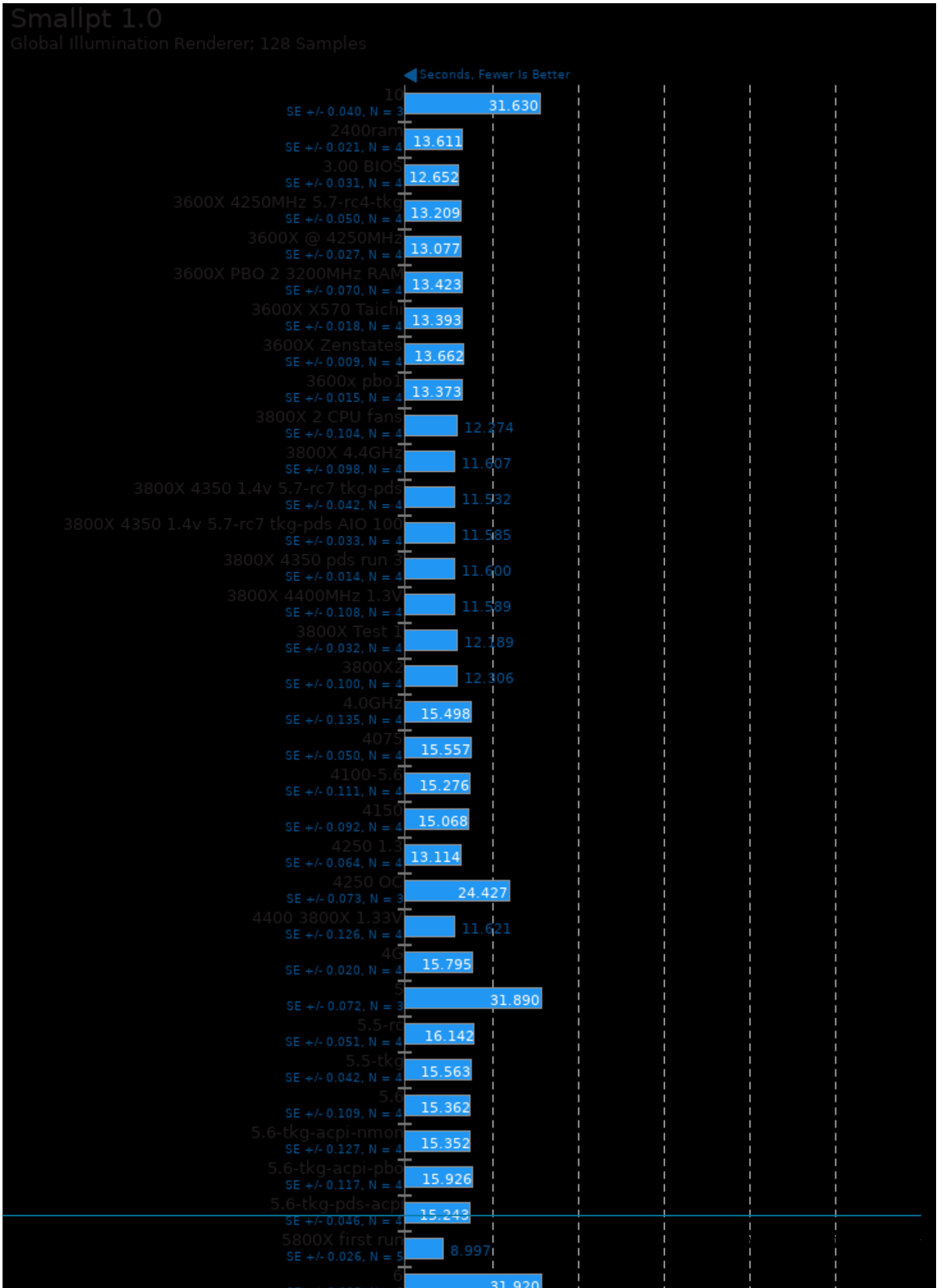
smallpt1


Smallpt 1.0
CPU Usage (CPU8) Monitor
Percent, Fewer Is Better
3800X2
Min: 1.96 / Avg: 1.96 / Max: 1.96
4250 OC
Min: 100 / Avg: 100 / Max: 100
New arco
Min: 2 / Avg: 2 / Max: 2
schedutil
Min: 15.69 / Avg: 15.69 / Max: 15.69
20
40
60
80
100
Smallpt 1.0
CPU Usage (CPU14) Monitor
Percent, Fewer Is Better
3.00 BIOS
Min: 1.96 / Avg: 1.96 / Max: 1.96
2
4
6
8
10
Smallpt 1.0
CPU Usage (CPU13) Monitor
Percent, Fewer Is Better
5800X first run
Min: 1.96 / Avg: 1.96 / Max: 1.96
2
4
6
8
10
Smallpt 1.0
CPU Usage (CPU15) Monitor
Percent, Fewer Is Better
5800X first run
Min: 6 / Avg: 6 / Max: 6
2
4
6
8
10

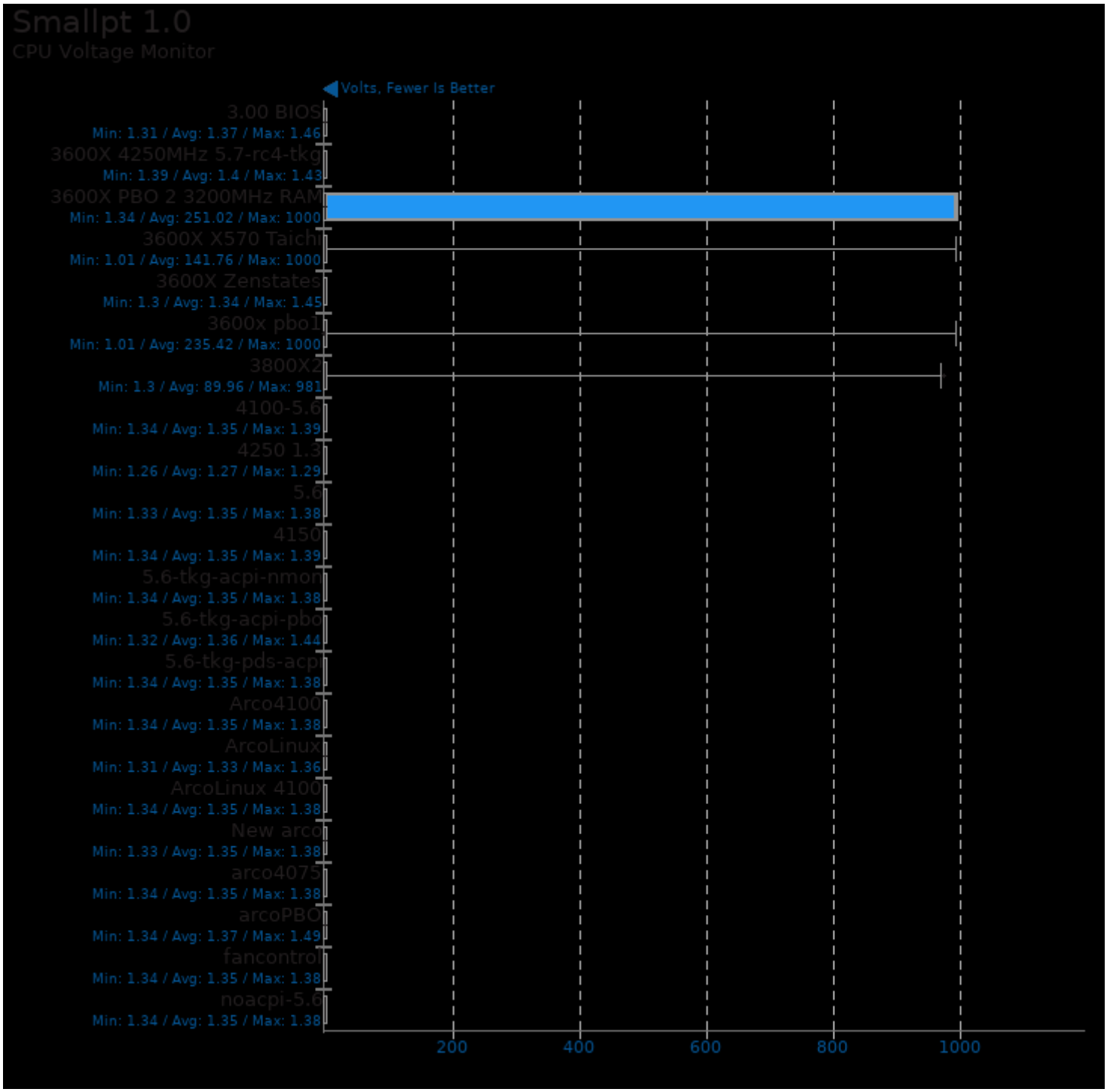
smallpt1


Smallpt 1.0
CPU Fan Speed Monitor
RPM, Fewer Is Better
10
Min: 1429 / Avg: 1441.39 / Max: 1502
3.00 BIOS
Min: 4159 / Avg: 4165.98 / Max: 4176
3600X 4250MHz 5.7-rc4-tkg
Min: 168 / Avg: 1016.82 / Max: 1102
3600X @ 4250MHz
Min: 1047 / Avg: 1071.72 / Max: 1103
3800X 4.4GHz
Min: 226 / Avg: 848.69 / Max: 1308
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 170 / Avg: 705.19 / Max: 1311
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 267 / Avg: 796.04 / Max: 1311
3800X 4350 pds run 3
Min: 232 / Avg: 888.17 / Max: 1300
3800X 4400MHz 1.3V
Min: 168 / Avg: 653.61 / Max: 1313
3800X Test 1
Min: 1033 / Avg: 1065.76 / Max: 1101
4.0GHz
Min: 3155 / Avg: 3184.41 / Max: 3239
4075
Min: 3033 / Avg: 3181.08 / Max: 3200
4400 3800X 1.33V
Min: 228 / Avg: 966.46 / Max: 1795
4G
Min: 3156 / Avg: 3170.71 / Max: 3185
5
Min: 1885 / Avg: 1900.36 / Max: 1959
5.5-rc
Min: 3095 / Avg: 3102.18 / Max: 3114
5.5-tkg
Min: 1817 / Avg: 1824.78 / Max: 1844
5800X first run
Min: 225 / Avg: 980.07 / Max: 1163
6
Min: 1493 / Avg: 1537.59 / Max: 1589
7
Min: 1531 / Avg: 1550.85 / Max: 1570
8
Min: 1542 / Avg: 1617.28 / Max: 1690
Arch 5.4.8
Min: 2982 / Avg: 3114.61 / Max: 3228
Arch 5.5-tkg
Min: 3193 / Avg: 3214.05 / Max: 3234
Arch Linux
Min: 3173 / Avg: 3185.52 / Max: 3201
Arch with fsync kernel 5.4.3
Min: 3172 / Avg: 3183.63 / Max: 3202
ArchLinuxZenPBO
Min: 3145 / Avg: 3165.63 / Max: 3203
Deepcool
Min: 1065 / Avg: 1088.02 / Max: 1104
G.Skill
Min: 242 / Avg: 1035.72 / Max: 1095
Gamemode
Min: 3094 / Avg: 3100.48 / Max: 3111
Lower PBO
Min: 3212 / Avg: 3221.95 / Max: 3240
Manjaro-TKG-5.5-PDS
Min: 3170 / Avg: 3181.21 / Max: 3207
New paste
Min: 3205 / Avg: 3219.03 / Max: 3235
PBO 5.5-tkg
Min: 1781 / Avg: 1786.22 / Max: 1816
Precision Boost Overdrive

smallpt1


Smallpt 1.0
Global Illumination Renderer; 128 Samples
Seconds, Fewer Is Better
SE +/- 0.040, N = 3
31.630
2400ram
SE +/- 0.021, N = 4
13.611
3.00 BIOS
SE +/- 0.031, N = 4
12.652
3600X 4250MHz 5.7-rc4-tkg
SE +/- 0.050, N = 4
13.209
3600X @ 4250MHz
SE +/- 0.027, N = 4
13.077
3600X PBO 2 3200MHz RAM
SE +/- 0.070, N = 4
13.423
3600X X570 Taichi
SE +/- 0.018, N = 4
13.393
3600X Zenstates
SE +/- 0.009, N = 4
13.662
3600x pbo1
SE +/- 0.015, N = 4
13.373
3800X 2 CPU fans
SE +/- 0.104, N = 4
12.274
3800X 4.4GHz
SE +/- 0.098, N = 4
11.607
3800X 4350 1.4v 5.7-rc7 tkg-pds
SE +/- 0.042, N = 4
11.532
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
SE +/- 0.033, N = 4
11.585
3800X 4350 pds run 3
SE +/- 0.014, N = 4
11.600
3800X 4400MHz 1.3V
SE +/- 0.108, N = 4
11.589
3800X Test 1
SE +/- 0.032, N = 4
12.189
3800X2
SE +/- 0.100, N = 4
12.306
4.0GHz
SE +/- 0.135, N = 4
15.498
4075
SE +/- 0.050, N = 4
15.557
4100-5.6
SE +/- 0.111, N = 4
15.276
4150
SE +/- 0.092, N = 4
15.068
4250 1.3
SE +/- 0.064, N = 4
13.114
4250 OC
SE +/- 0.073, N = 3
24.427
4400 3800X 1.33V
SE +/- 0.126, N = 4
11.621
4G
SE +/- 0.020, N = 4
15.795
5
SE +/- 0.072, N = 3
31.890
5.5-rc
SE +/- 0.051, N = 4
16.142
5.5-tkg
SE +/- 0.042, N = 4
15.563
5.6
SE +/- 0.109, N = 4
15.362
5.6-tkg-acpi-nmon
SE +/- 0.127, N = 4
15.352
5.6-tkg-acpi-pbo
SE +/- 0.117, N = 4
15.926
5.6-tkg-pds-acpi
SE +/- 0.046, N = 4
15.243
5800X first run
SE +/- 0.026, N = 5
8.997
6
31.920

smallpt1



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 05:39.