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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

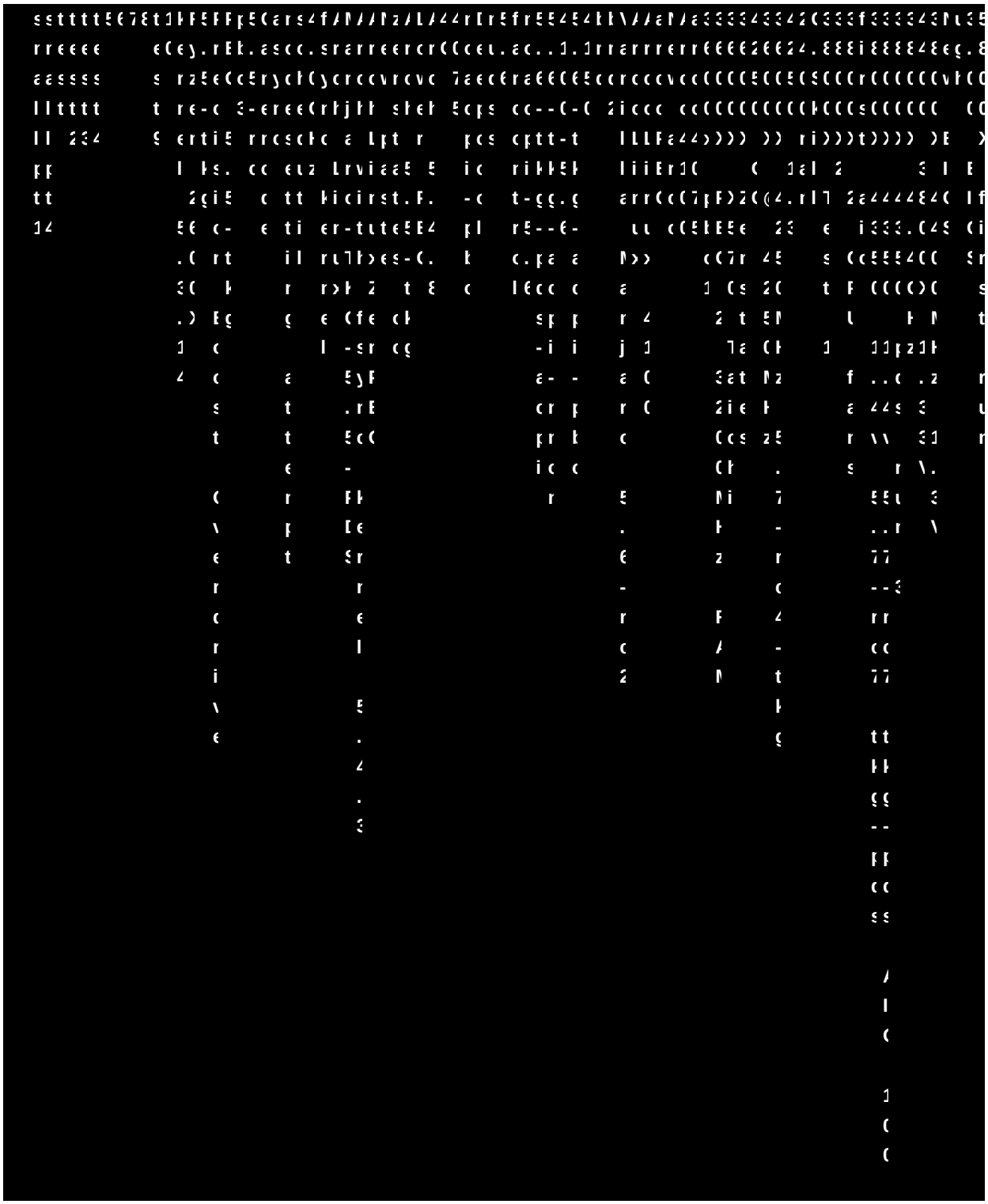
5800X first run

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

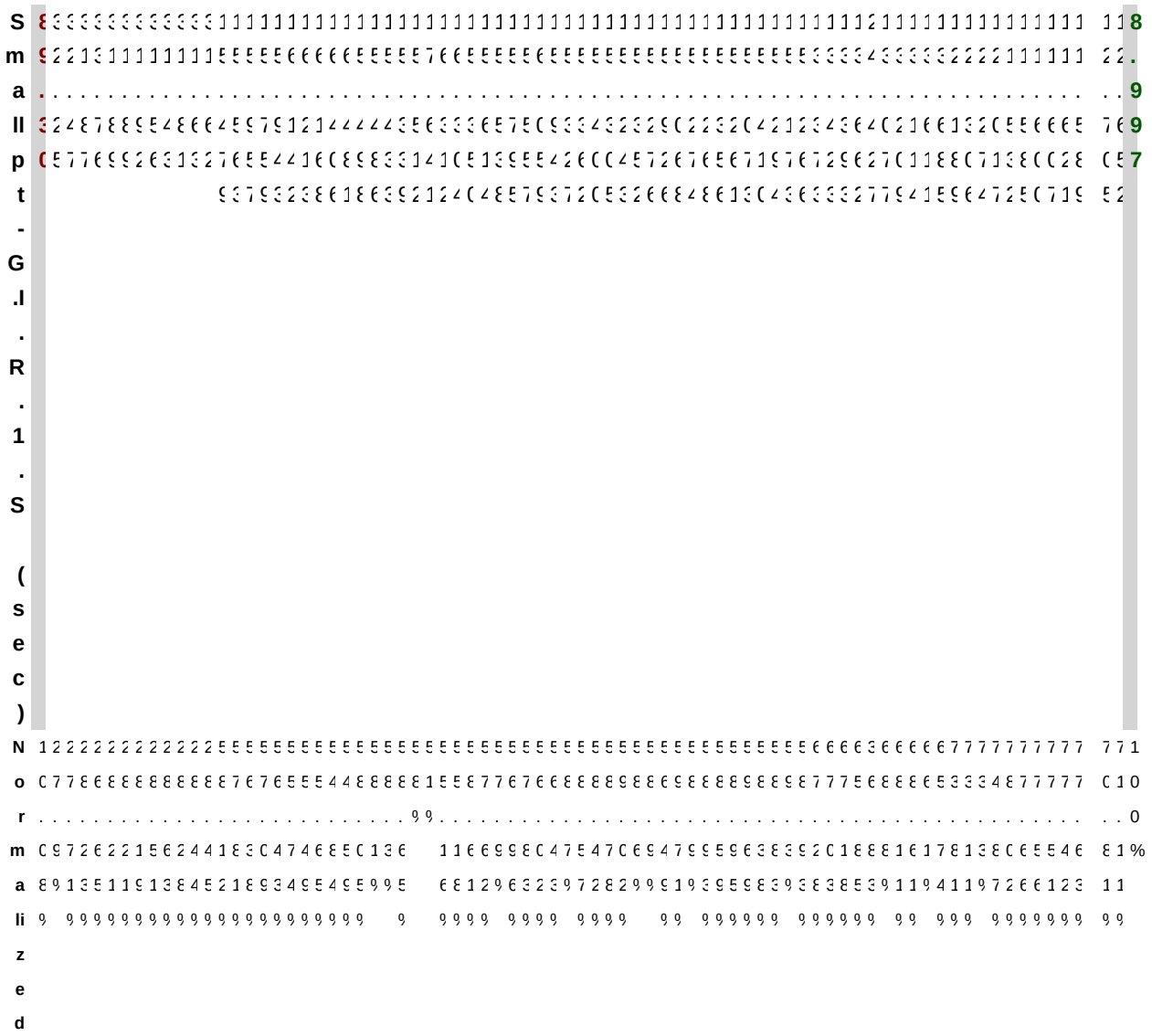
OS: Arch rolling, Kernel: 5.10.0-rc6-96-tkg-cfs (x86_64), Desktop: KDE Plasma 5.20.4, Display Server: X Server 1.20.10, Display Driver: NVIDIA 455.46.02, OpenGL: 4.6.0, OpenCL: OpenCL 1.2 CUDA 11.1.114, Vulkan: 1.2.162, Compiler: GCC 10.2.0 + Clang 11.0.0Target: + CUDA 11.1, File-System: ext4, Screen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



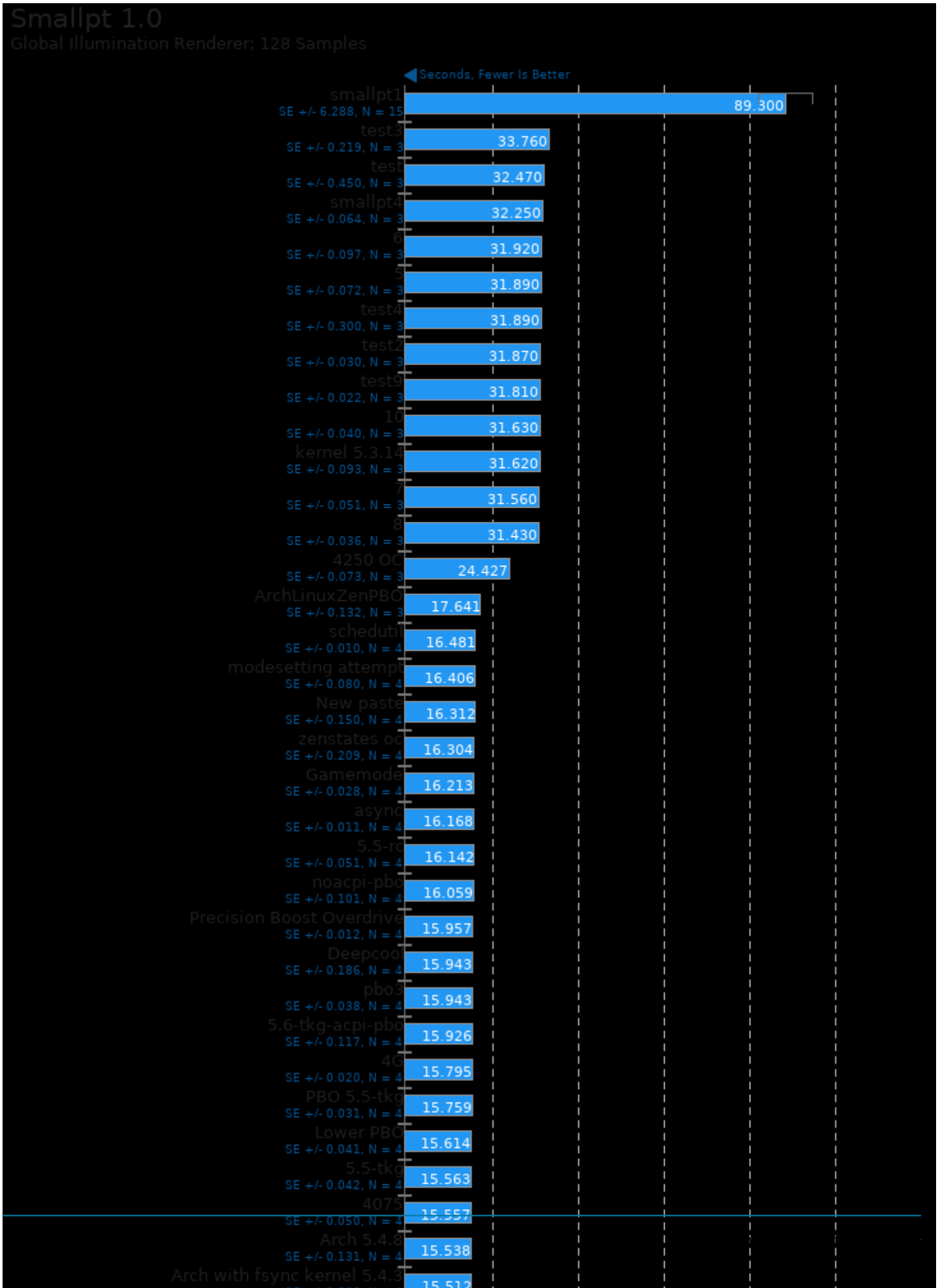
smallpt1

Phoronix Test Suite

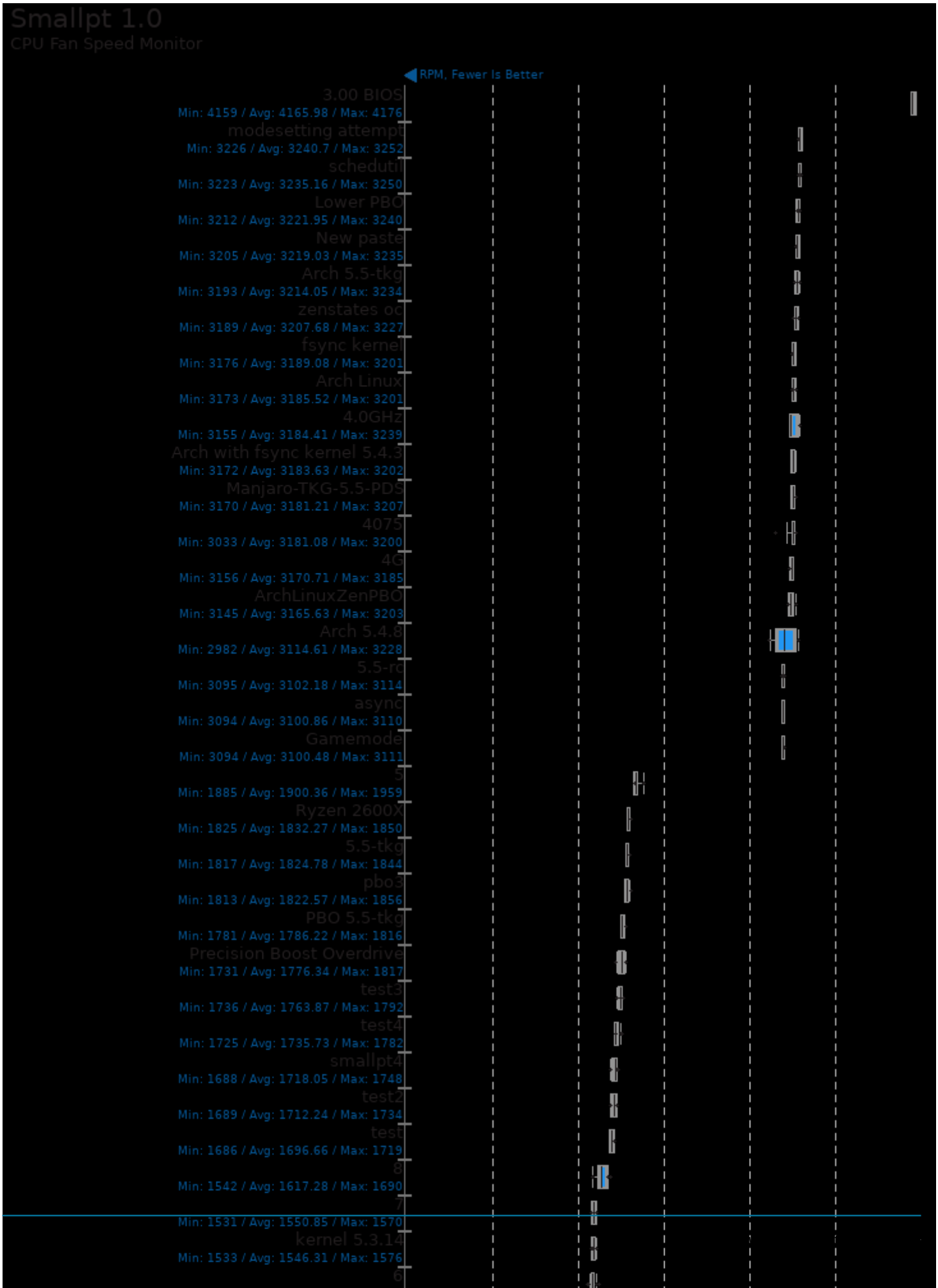
Standard Deviation

smallpt1

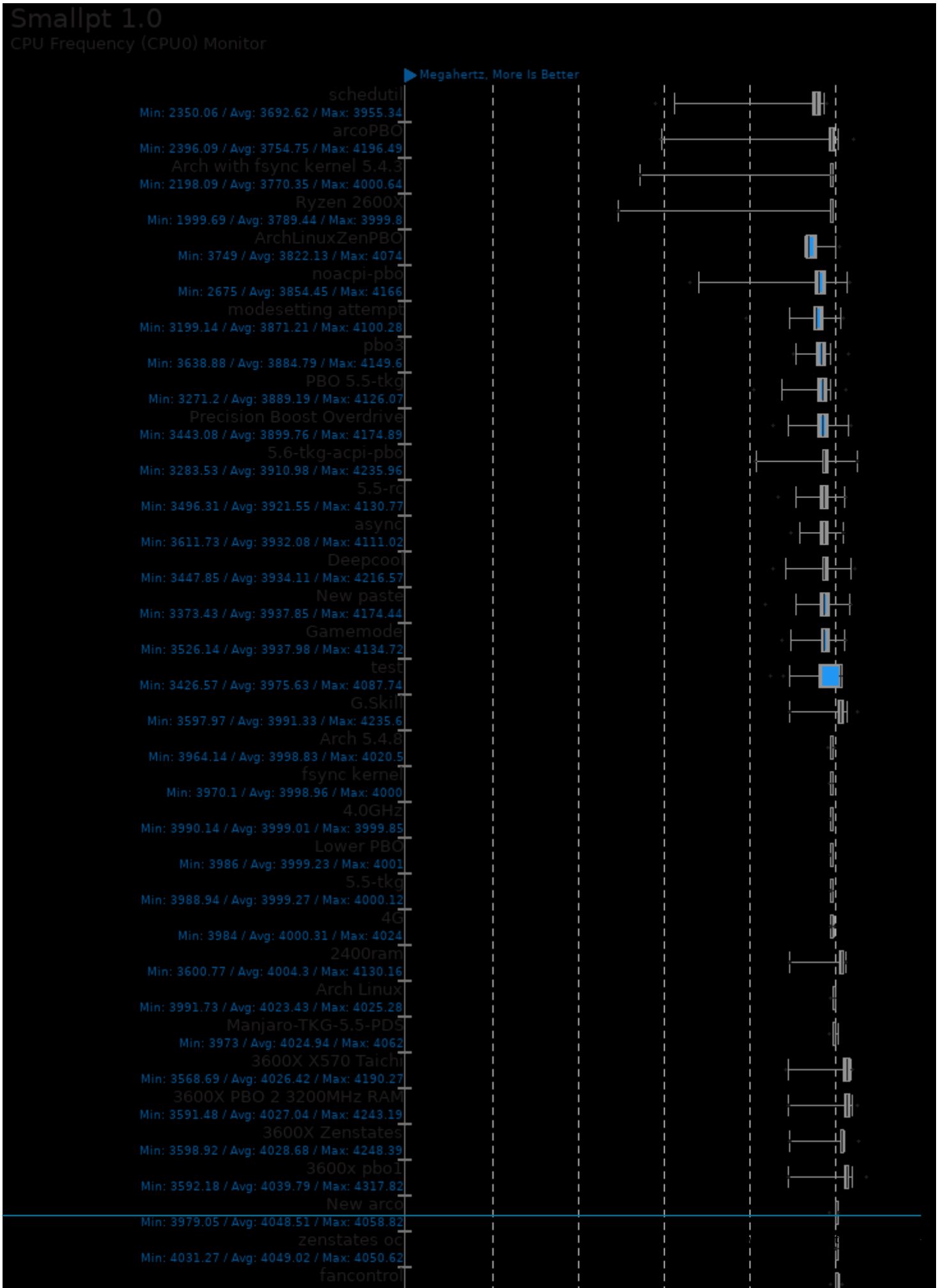
smallpt1


Smallpt 1.0
Global Illumination Renderer; 128 Samples
Seconds, Fewer Is Better
smallpt1
SE +/- 6.288, N = 15
89.300
test3
SE +/- 0.219, N = 3
33.760
test
SE +/- 0.450, N = 3
32.470
smallpt4
SE +/- 0.064, N = 3
32.250
6
SE +/- 0.097, N = 3
31.920
5
SE +/- 0.072, N = 3
31.890
test4
SE +/- 0.300, N = 3
31.890
test2
SE +/- 0.030, N = 3
31.870
test9
SE +/- 0.022, N = 3
31.810
10
SE +/- 0.040, N = 3
31.630
kernel 5.3.14
SE +/- 0.093, N = 3
31.620
7
SE +/- 0.051, N = 3
31.560
8
SE +/- 0.036, N = 3
31.430
4250 OC
SE +/- 0.073, N = 3
24.427
ArchLinuxZenPBO
SE +/- 0.132, N = 3
17.641
schedutil
SE +/- 0.010, N = 4
16.481
modesetting attempt
SE +/- 0.080, N = 4
16.406
New paste
SE +/- 0.150, N = 4
16.312
zenstates oc
SE +/- 0.209, N = 4
16.304
Gamemode
SE +/- 0.028, N = 4
16.213
async
SE +/- 0.011, N = 4
16.168
5.5-rc
SE +/- 0.051, N = 4
16.142
noacpi-pbo
SE +/- 0.101, N = 4
16.059
Precision Boost Overdrive
SE +/- 0.012, N = 4
15.957
Deepcool
SE +/- 0.186, N = 4
15.943
pbo3
SE +/- 0.038, N = 4
15.943
5.6-tkg-acpi-pbo
SE +/- 0.117, N = 4
15.926
4G
SE +/- 0.020, N = 4
15.795
PBO 5.5-tkg
SE +/- 0.031, N = 4
15.759
Lower PBO
SE +/- 0.041, N = 4
15.614
5.5-tkg
SE +/- 0.042, N = 4
15.563
4075
SE +/- 0.050, N = 4
15.557
Arch 5.4.8
SE +/- 0.131, N = 4
15.538
Arch with fsync kernel 5.4.3
15.512

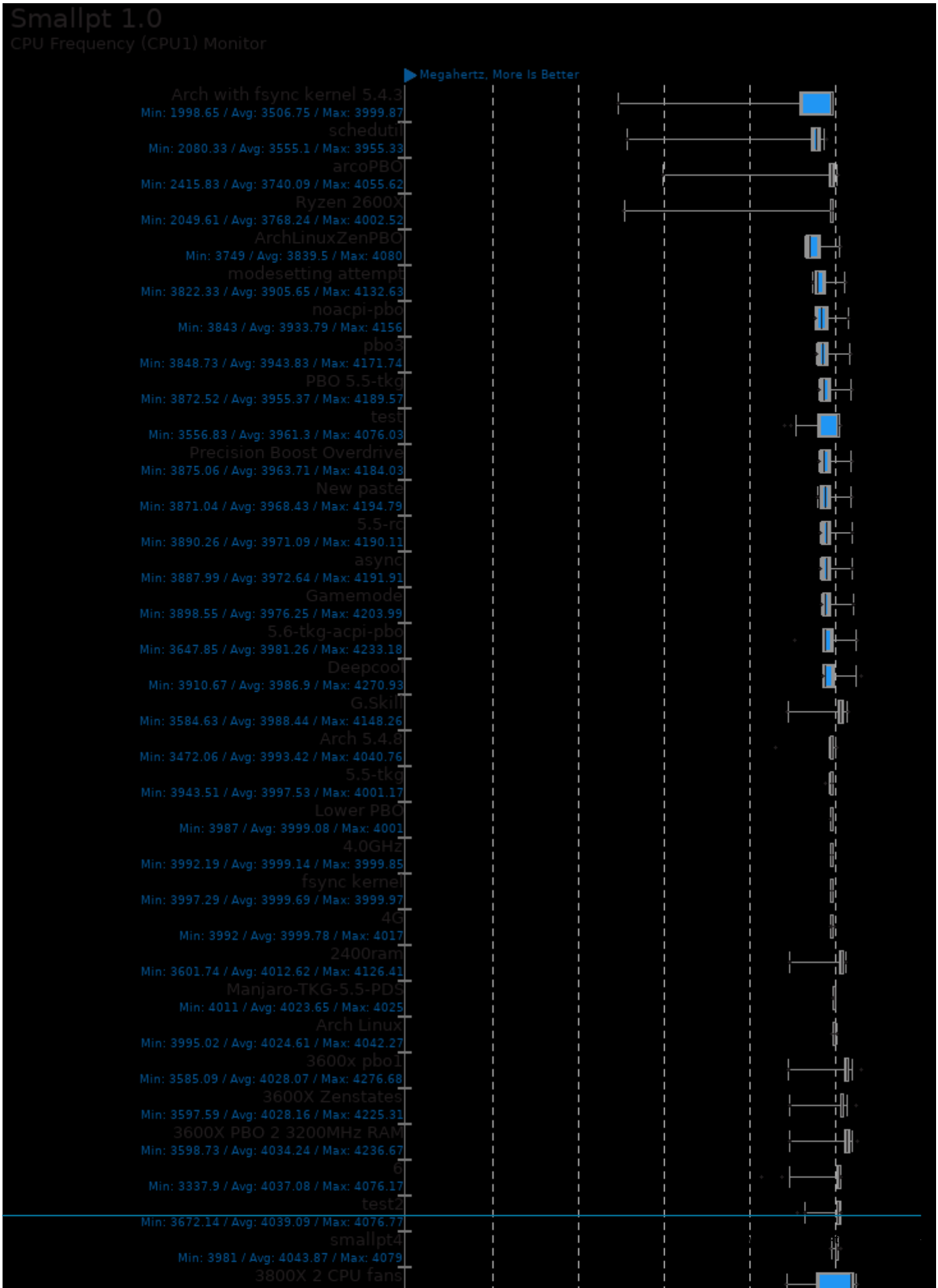
smallpt1


Smallpt 1.0
CPU Fan Speed Monitor
RPM, Fewer Is Better
3.00 BIOS
Min: 4159 / Avg: 4165.98 / Max: 4176
modesetting attempt
Min: 3226 / Avg: 3240.7 / Max: 3252
schedutil
Min: 3223 / Avg: 3235.16 / Max: 3250
Lower PBO
Min: 3212 / Avg: 3221.95 / Max: 3240
New paste
Min: 3205 / Avg: 3219.03 / Max: 3235
Arch 5.5-tkg
Min: 3193 / Avg: 3214.05 / Max: 3234
zenstates oc
Min: 3189 / Avg: 3207.68 / Max: 3227
fsync kernel
Min: 3176 / Avg: 3189.08 / Max: 3201
Arch Linux
Min: 3173 / Avg: 3185.52 / Max: 3201
4.0GHz
Min: 3155 / Avg: 3184.41 / Max: 3239
Arch with fsync kernel 5.4.3
Min: 3172 / Avg: 3183.63 / Max: 3202
Manjaro-TKG-5.5-PDS
Min: 3170 / Avg: 3181.21 / Max: 3207
4075
Min: 3033 / Avg: 3181.08 / Max: 3200
4G
Min: 3156 / Avg: 3170.71 / Max: 3185
ArchLinuxZenPBO
Min: 3145 / Avg: 3165.63 / Max: 3203
Arch 5.4.8
Min: 2982 / Avg: 3114.61 / Max: 3228
5.5-rc
Min: 3095 / Avg: 3102.18 / Max: 3114
async
Min: 3094 / Avg: 3100.86 / Max: 3110
Gamemode
Min: 3094 / Avg: 3100.48 / Max: 3111
5
Min: 1885 / Avg: 1900.36 / Max: 1959
Ryzen 2600X
Min: 1825 / Avg: 1832.27 / Max: 1850
5.5-tkg
Min: 1817 / Avg: 1824.78 / Max: 1844
pbo3
Min: 1813 / Avg: 1822.57 / Max: 1856
PBO 5.5-tkg
Min: 1781 / Avg: 1786.22 / Max: 1816
Precision Boost Overdrive
Min: 1731 / Avg: 1776.34 / Max: 1817
test3
Min: 1736 / Avg: 1763.87 / Max: 1792
test4
Min: 1725 / Avg: 1735.73 / Max: 1782
smallpt4
Min: 1688 / Avg: 1718.05 / Max: 1748
test2
Min: 1689 / Avg: 1712.24 / Max: 1734
test
Min: 1686 / Avg: 1696.66 / Max: 1719
8
Min: 1542 / Avg: 1617.28 / Max: 1690
7
Min: 1531 / Avg: 1550.85 / Max: 1570
kernel 5.3.14
Min: 1533 / Avg: 1546.31 / Max: 1576
6

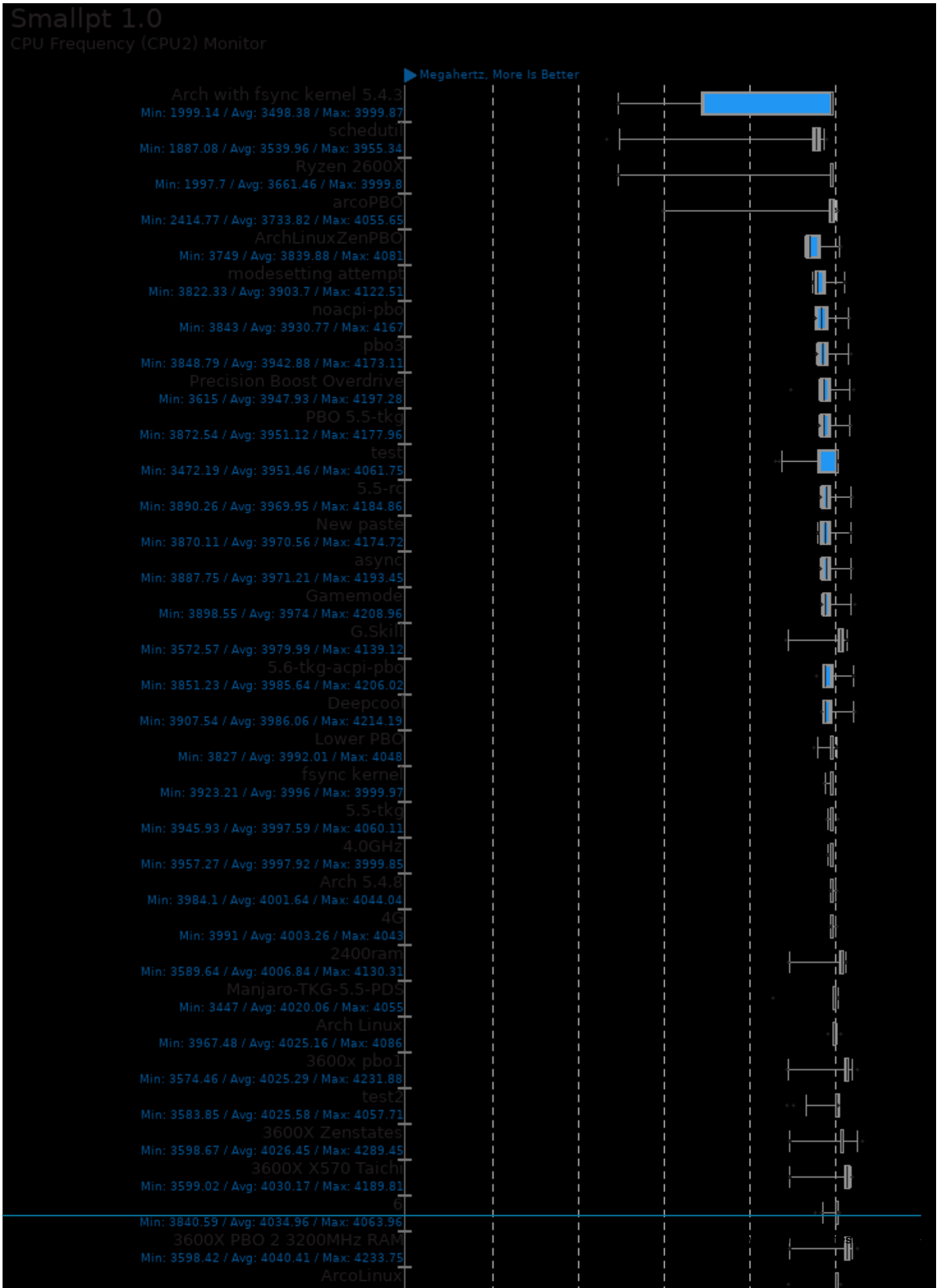
smallpt1


Smallpt 1.0
CPU Frequency (CPU0) Monitor
Megahertz, More Is Better
schedutil
Min: 2350.06 / Avg: 3692.62 / Max: 3955.34
arcoPBO
Min: 2396.09 / Avg: 3754.75 / Max: 4196.49
Arch with fsync kernel 5.4.3
Min: 2198.09 / Avg: 3770.35 / Max: 4000.64
Ryzen 2600X
Min: 1999.69 / Avg: 3789.44 / Max: 3999.8
ArchLinuxZenPBO
Min: 3749 / Avg: 3822.13 / Max: 4074
noacpi-pbo
Min: 2675 / Avg: 3854.45 / Max: 4166
modesetting attempt
Min: 3199.14 / Avg: 3871.21 / Max: 4100.28
pbo3
Min: 3638.88 / Avg: 3884.79 / Max: 4149.6
PBO 5.5-tkg
Min: 3271.2 / Avg: 3889.19 / Max: 4126.07
Precision Boost Overdrive
Min: 3443.08 / Avg: 3899.76 / Max: 4174.89
5.6-tkg-acpi-pbo
Min: 3283.53 / Avg: 3910.98 / Max: 4235.96
5.5-rc
Min: 3496.31 / Avg: 3921.55 / Max: 4130.77
async
Min: 3611.73 / Avg: 3932.08 / Max: 4111.02
Deepcool
Min: 3447.85 / Avg: 3934.11 / Max: 4216.57
New paste
Min: 3373.43 / Avg: 3937.85 / Max: 4174.44
Gamemode
Min: 3526.14 / Avg: 3937.98 / Max: 4134.72
test
Min: 3426.57 / Avg: 3975.63 / Max: 4087.74
G.Skill
Min: 3597.97 / Avg: 3991.33 / Max: 4235.6
Arch 5.4.8
Min: 3964.14 / Avg: 3998.83 / Max: 4020.5
fsync kernel
Min: 3970.1 / Avg: 3998.96 / Max: 4000
4.0GHz
Min: 3990.14 / Avg: 3999.01 / Max: 3999.85
Lower PBO
Min: 3986 / Avg: 3999.23 / Max: 4001
5.5-tkg
Min: 3988.94 / Avg: 3999.27 / Max: 4000.12
4G
Min: 3984 / Avg: 4000.31 / Max: 4024
2400ram
Min: 3600.77 / Avg: 4004.3 / Max: 4130.16
Arch Linux
Min: 3991.73 / Avg: 4023.43 / Max: 4025.28
Manjaro-TKG-5.5-PDS
Min: 3973 / Avg: 4024.94 / Max: 4062
3600X X570 Taichi
Min: 3568.69 / Avg: 4026.42 / Max: 4190.27
3600X PBO 2 3200MHz RAM
Min: 3591.48 / Avg: 4027.04 / Max: 4243.19
3600X Zenstates
Min: 3598.92 / Avg: 4028.68 / Max: 4248.39
3600x pbo1
Min: 3592.18 / Avg: 4039.79 / Max: 4317.82
New arco
Min: 3979.05 / Avg: 4048.51 / Max: 4058.82
zenstates oc
Min: 4031.27 / Avg: 4049.02 / Max: 4050.62
fancontrol

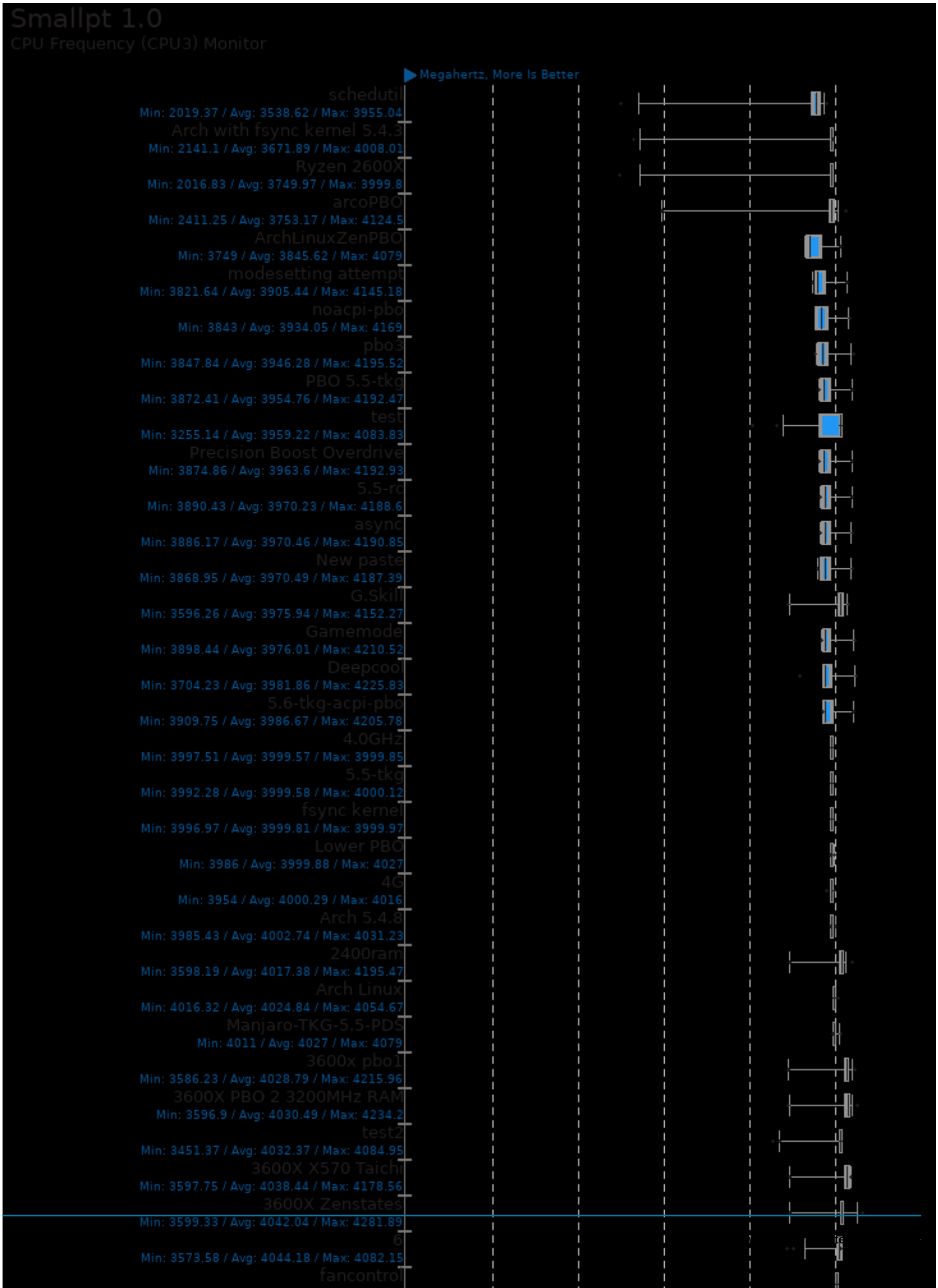
smallpt1


Smallpt 1.0
CPU Frequency (CPU1) Monitor
Megahertz, More Is Better
Arch with fsync kernel 5.4.3
Min: 1998.65 / Avg: 3506.75 / Max: 3999.87
schedutil
Min: 2080.33 / Avg: 3555.1 / Max: 3955.33
arcoPBO
Min: 2415.83 / Avg: 3740.09 / Max: 4055.62
Ryzen 2600X
Min: 2049.61 / Avg: 3768.24 / Max: 4002.52
ArchLinuxZenPBO
Min: 3749 / Avg: 3839.5 / Max: 4080
modesetting attempt
Min: 3822.33 / Avg: 3905.65 / Max: 4132.63
noacpi-pbo
Min: 3843 / Avg: 3933.79 / Max: 4156
pbo3
Min: 3848.73 / Avg: 3943.83 / Max: 4171.74
PBO 5.5-tkg
Min: 3872.52 / Avg: 3955.37 / Max: 4189.57
test
Min: 3556.83 / Avg: 3961.3 / Max: 4076.03
Precision Boost Overdrive
Min: 3875.06 / Avg: 3963.71 / Max: 4184.03
New paste
Min: 3871.04 / Avg: 3968.43 / Max: 4194.79
5.5-rc
Min: 3890.26 / Avg: 3971.09 / Max: 4190.11
async
Min: 3887.99 / Avg: 3972.64 / Max: 4191.91
Gamemode
Min: 3898.55 / Avg: 3976.25 / Max: 4203.99
5.6-tkg-acpi-pbo
Min: 3647.85 / Avg: 3981.26 / Max: 4233.18
Deepcool
Min: 3910.67 / Avg: 3986.9 / Max: 4270.93
G.Skill
Min: 3584.63 / Avg: 3988.44 / Max: 4148.26
Arch 5.4.8
Min: 3472.06 / Avg: 3993.42 / Max: 4040.76
5.5-tkg
Min: 3943.51 / Avg: 3997.53 / Max: 4001.17
Lower PBO
Min: 3987 / Avg: 3999.08 / Max: 4001
4.0GHz
Min: 3992.19 / Avg: 3999.14 / Max: 3999.85
fsync kernel
Min: 3997.29 / Avg: 3999.69 / Max: 3999.97
4G
Min: 3992 / Avg: 3999.78 / Max: 4017
2400ram
Min: 3601.74 / Avg: 4012.62 / Max: 4126.41
Manjaro-TKG-5.5-PDS
Min: 4011 / Avg: 4023.65 / Max: 4025
Arch Linux
Min: 3995.02 / Avg: 4024.61 / Max: 4042.27
3600x pbo1
Min: 3585.09 / Avg: 4028.07 / Max: 4276.68
3600X Zenstates
Min: 3597.59 / Avg: 4028.16 / Max: 4225.31
3600X PBO 2 3200MHz RAM
Min: 3598.73 / Avg: 4034.24 / Max: 4236.67
6
Min: 3337.9 / Avg: 4037.08 / Max: 4076.17
test2
Min: 3672.14 / Avg: 4039.09 / Max: 4076.77
smallpt4
Min: 3981 / Avg: 4043.87 / Max: 4079
3800X 2 CPU fans

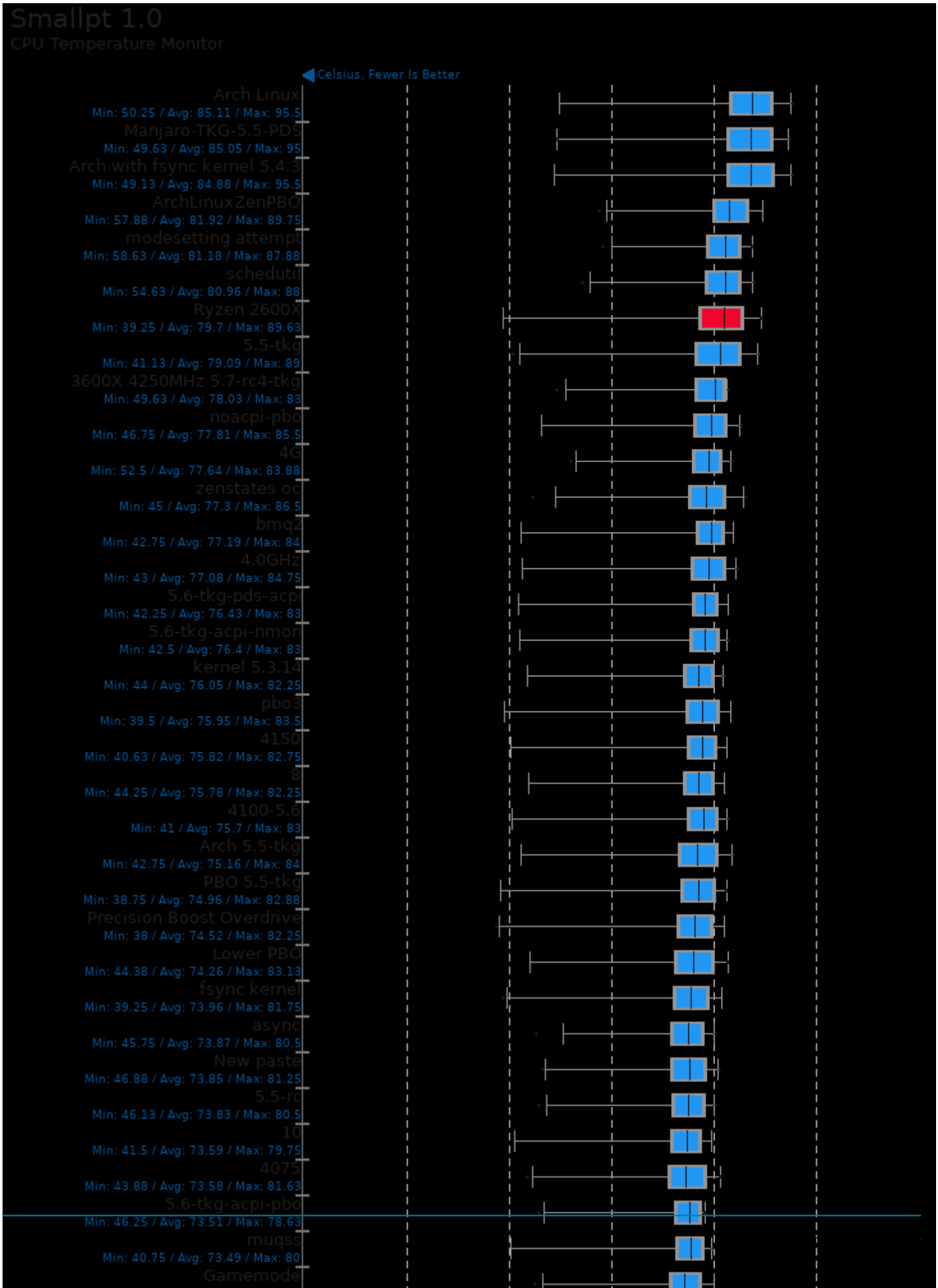
smallpt1


Smallpt 1.0
CPU Frequency (CPU2) Monitor
Megahertz, More Is Better
Arch with fsync kernel 5.4.3
Min: 1999.14 / Avg: 3498.38 / Max: 3999.87
schedutil
Min: 1887.08 / Avg: 3539.96 / Max: 3955.34
Ryzen 2600X
Min: 1997.7 / Avg: 3661.46 / Max: 3999.8
arcoPBO
Min: 2414.77 / Avg: 3733.82 / Max: 4055.65
ArchLinuxZenPBO
Min: 3749 / Avg: 3839.88 / Max: 4081
modesetting attempt
Min: 3822.33 / Avg: 3903.7 / Max: 4122.51
noacpi-pbo
Min: 3843 / Avg: 3930.77 / Max: 4167
pbo3
Min: 3848.79 / Avg: 3942.88 / Max: 4173.11
Precision Boost Overdrive
Min: 3615 / Avg: 3947.93 / Max: 4197.28
PBO 5.5-tkg
Min: 3872.54 / Avg: 3951.12 / Max: 4177.96
test
Min: 3472.19 / Avg: 3951.46 / Max: 4061.75
5.5-rc
Min: 3890.26 / Avg: 3969.95 / Max: 4184.86
New paste
Min: 3870.11 / Avg: 3970.56 / Max: 4174.72
async
Min: 3887.75 / Avg: 3971.21 / Max: 4193.45
Gamemode
Min: 3898.55 / Avg: 3974 / Max: 4208.96
G.Skill
Min: 3572.57 / Avg: 3979.99 / Max: 4139.12
5.6-tkg-acpi-pbo
Min: 3851.23 / Avg: 3985.64 / Max: 4206.02
Deepcool
Min: 3907.54 / Avg: 3986.06 / Max: 4214.19
Lower PBO
Min: 3827 / Avg: 3992.01 / Max: 4048
fsync kernel
Min: 3923.21 / Avg: 3996 / Max: 3999.97
5.5-tkg
Min: 3945.93 / Avg: 3997.59 / Max: 4060.11
4.0GHz
Min: 3957.27 / Avg: 3997.92 / Max: 3999.85
Arch 5.4.8
Min: 3984.1 / Avg: 4001.64 / Max: 4044.04
4G
Min: 3991 / Avg: 4003.26 / Max: 4043
2400ram
Min: 3589.64 / Avg: 4006.84 / Max: 4130.31
Manjaro-TKG-5.5-PDS
Min: 3447 / Avg: 4020.06 / Max: 4055
Arch Linux
Min: 3967.48 / Avg: 4025.16 / Max: 4086
3600x pbo1
Min: 3574.46 / Avg: 4025.29 / Max: 4231.88
test2
Min: 3583.85 / Avg: 4025.58 / Max: 4057.71
3600X Zenstates
Min: 3598.67 / Avg: 4026.45 / Max: 4289.45
3600X X570 Taichi
Min: 3599.02 / Avg: 4030.17 / Max: 4189.81
6
Min: 3840.59 / Avg: 4034.96 / Max: 4063.96
3600X PBO 2 3200MHz RAM
Min: 3598.42 / Avg: 4040.41 / Max: 4233.75
ArcoLinux

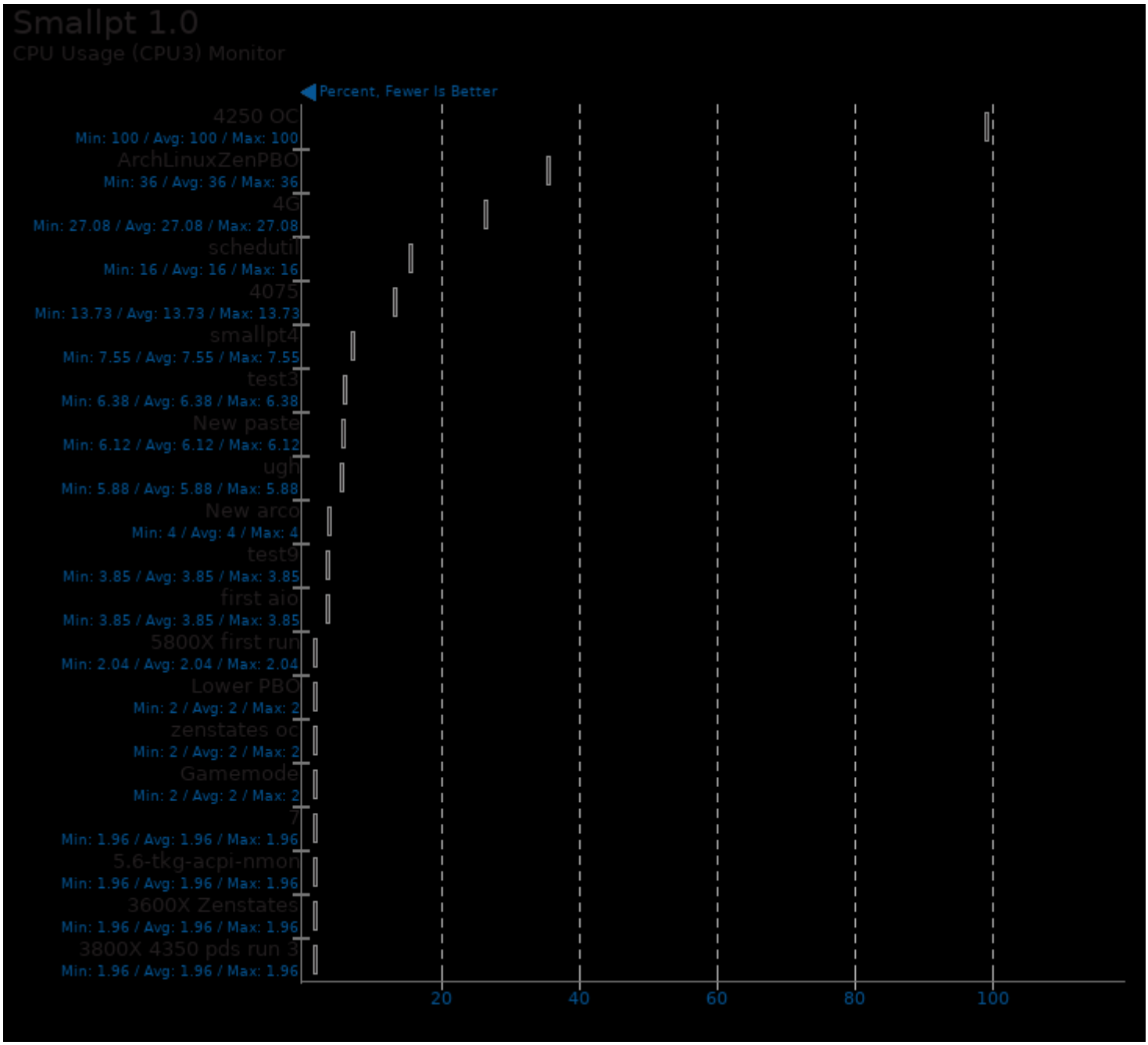
smallpt1


Smallpt 1.0
CPU Frequency (CPU3) Monitor
Megahertz, More Is Better
schedutil
Min: 2019.37 / Avg: 3538.62 / Max: 3955.04
Arch with fsync kernel 5.4.3
Min: 2141.1 / Avg: 3671.89 / Max: 4008.01
Ryzen 2600X
Min: 2016.83 / Avg: 3749.97 / Max: 3999.8
arcoPBO
Min: 2411.25 / Avg: 3753.17 / Max: 4124.5
ArchLinuxZenPBO
Min: 3749 / Avg: 3845.62 / Max: 4079
modesetting attempt
Min: 3821.64 / Avg: 3905.44 / Max: 4145.18
noacpi-pbo
Min: 3843 / Avg: 3934.05 / Max: 4169
pbo3
Min: 3847.84 / Avg: 3946.28 / Max: 4195.52
PBO 5.5-tkg
Min: 3872.41 / Avg: 3954.76 / Max: 4192.47
test
Min: 3255.14 / Avg: 3959.22 / Max: 4083.83
Precision Boost Overdrive
Min: 3874.86 / Avg: 3963.6 / Max: 4192.93
5.5-rc
Min: 3890.43 / Avg: 3970.23 / Max: 4188.6
async
Min: 3886.17 / Avg: 3970.46 / Max: 4190.85
New paste
Min: 3868.95 / Avg: 3970.49 / Max: 4187.39
G.Skill
Min: 3596.26 / Avg: 3975.94 / Max: 4152.27
Gamemode
Min: 3898.44 / Avg: 3976.01 / Max: 4210.52
Deepcool
Min: 3704.23 / Avg: 3981.86 / Max: 4225.83
5.6-tkg-acpi-pbo
Min: 3909.75 / Avg: 3986.67 / Max: 4205.78
4.0GHz
Min: 3997.51 / Avg: 3999.57 / Max: 3999.85
5.5-tkg
Min: 3992.28 / Avg: 3999.58 / Max: 4000.12
fsync kernel
Min: 3996.97 / Avg: 3999.81 / Max: 3999.97
Lower PBO
Min: 3986 / Avg: 3999.88 / Max: 4027
4G
Min: 3954 / Avg: 4000.29 / Max: 4016
Arch 5.4.8
Min: 3985.43 / Avg: 4002.74 / Max: 4031.23
2400ram
Min: 3598.19 / Avg: 4017.38 / Max: 4195.47
Arch Linux
Min: 4016.32 / Avg: 4024.84 / Max: 4054.67
Manjaro-TKG-5.5-PDS
Min: 4011 / Avg: 4027 / Max: 4079
3600x pbo1
Min: 3586.23 / Avg: 4028.79 / Max: 4215.96
3600X PBO 2 3200MHz RAM
Min: 3596.9 / Avg: 4030.49 / Max: 4234.2
test2
Min: 3451.37 / Avg: 4032.37 / Max: 4084.95
3600X X570 Taichi
Min: 3597.75 / Avg: 4038.44 / Max: 4178.56
3600X Zenstates
Min: 3599.33 / Avg: 4042.04 / Max: 4281.89
6
Min: 3573.58 / Avg: 4044.18 / Max: 4082.15
fancontrol

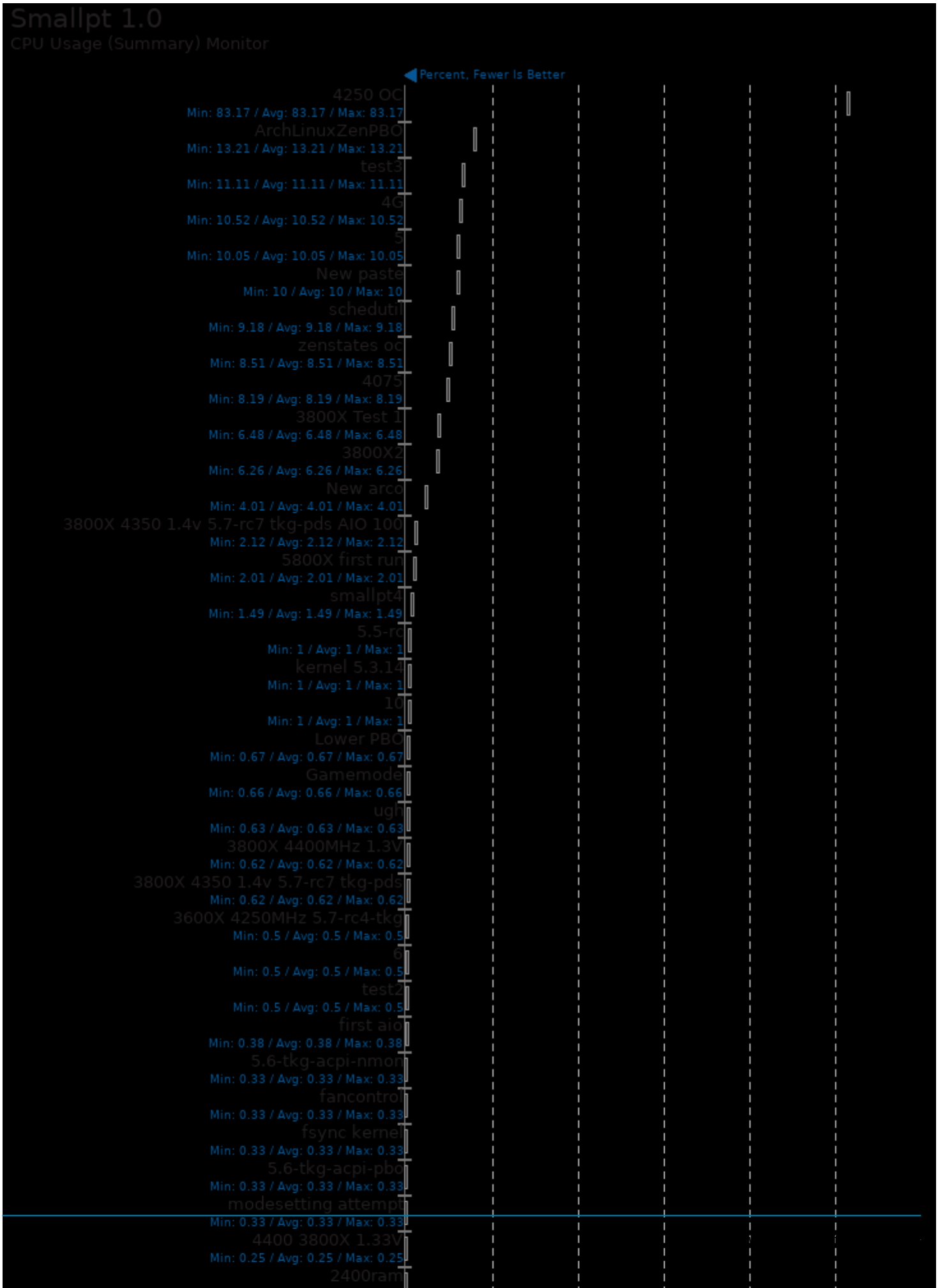
smallpt1


Smallpt 1.0
CPU Temperature Monitor
Celsius, Fewer Is Better
Arch Linux
Min: 50.25 / Avg: 85.11 / Max: 95.5
Manjaro-TKG-5.5-PDS
Min: 49.63 / Avg: 85.05 / Max: 95
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
modesetting attempt
Min: 58.63 / Avg: 81.18 / Max: 87.88
scheduti
Min: 54.63 / Avg: 80.96 / Max: 88
Ryzen 2600X
Min: 39.25 / Avg: 79.7 / Max: 89.63
5.5-tkg
Min: 41.13 / Avg: 79.09 / Max: 89
3600X 4250MHz 5.7-rc4-tkg
Min: 49.63 / Avg: 78.03 / Max: 83
noacpi-pbo
Min: 46.75 / Avg: 77.81 / Max: 85.5
4G
Min: 52.5 / Avg: 77.64 / Max: 83.88
zenstates oc
Min: 45 / Avg: 77.3 / Max: 86.5
bmq2
Min: 42.75 / Avg: 77.19 / Max: 84
4.0GHz
Min: 43 / Avg: 77.08 / Max: 84.75
5.6-tkg-pds-acpi
Min: 42.25 / Avg: 76.43 / Max: 83
5.6-tkg-acpi-nmon
Min: 42.5 / Avg: 76.4 / Max: 83
kernel 5.3.14
Min: 44 / Avg: 76.05 / Max: 82.25
pbo3
Min: 39.5 / Avg: 75.95 / Max: 83.5
4150
Min: 40.63 / Avg: 75.82 / Max: 82.75
8
Min: 44.25 / Avg: 75.78 / Max: 82.25
4100-5.6
Min: 41 / Avg: 75.7 / Max: 83
Arch 5.5-tkg
Min: 42.75 / Avg: 75.16 / Max: 84
PBO 5.5-tkg
Min: 38.75 / Avg: 74.96 / Max: 82.88
Precision Boost Overdrive
Min: 38 / Avg: 74.52 / Max: 82.25
Lower PBO
Min: 44.38 / Avg: 74.26 / Max: 83.13
fsync kernel
Min: 39.25 / Avg: 73.96 / Max: 81.75
async
Min: 45.75 / Avg: 73.87 / Max: 80.5
New paste
Min: 46.88 / Avg: 73.85 / Max: 81.25
5.5-rc
Min: 46.13 / Avg: 73.83 / Max: 80.5
10
Min: 41.5 / Avg: 73.59 / Max: 79.75
4075
Min: 43.88 / Avg: 73.58 / Max: 81.63
5.6-tkg-acpi-pbo
Min: 46.25 / Avg: 73.51 / Max: 78.63
muqss
Min: 40.75 / Avg: 73.49 / Max: 80
Gamemode

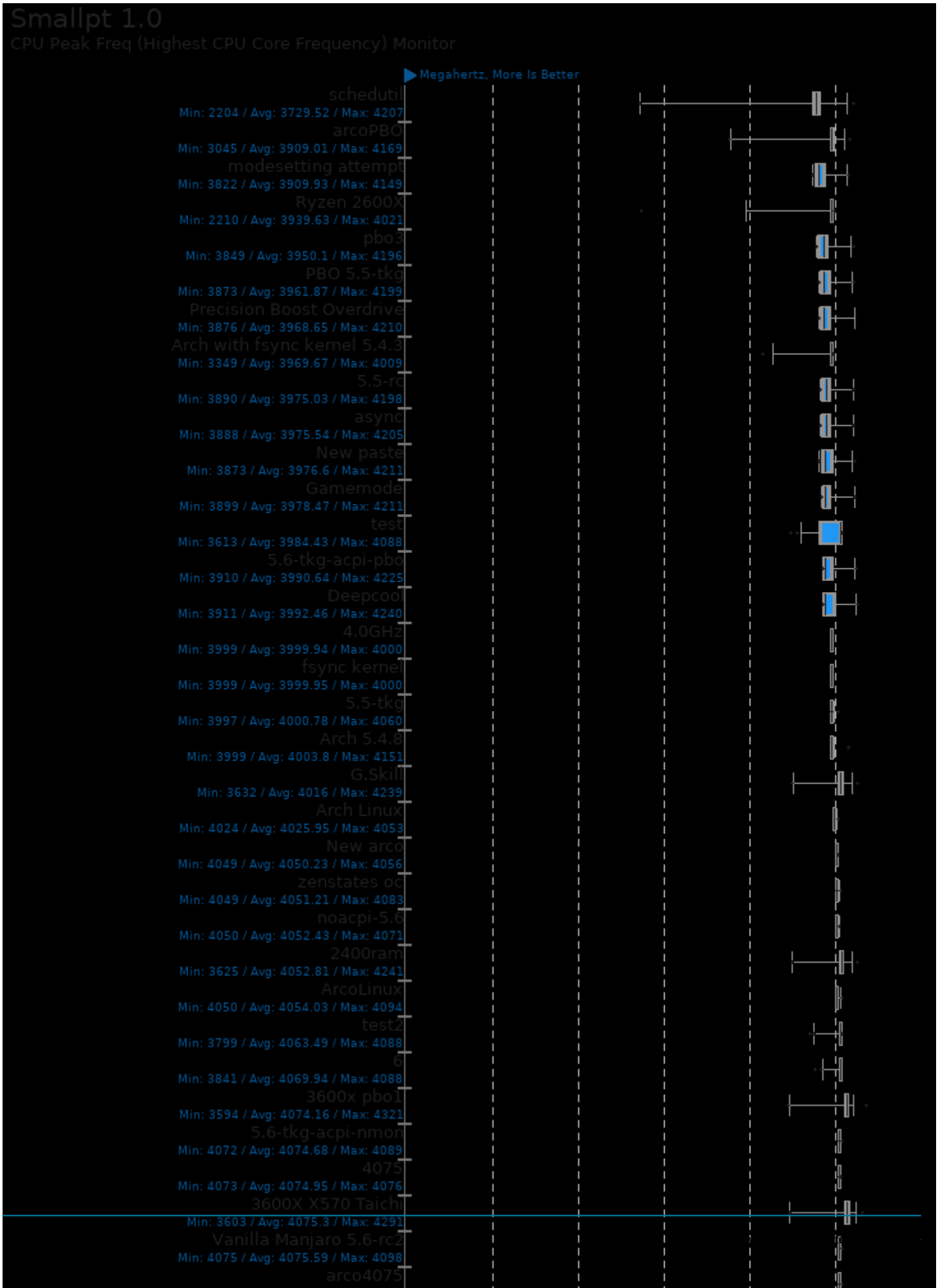
smallpt1


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

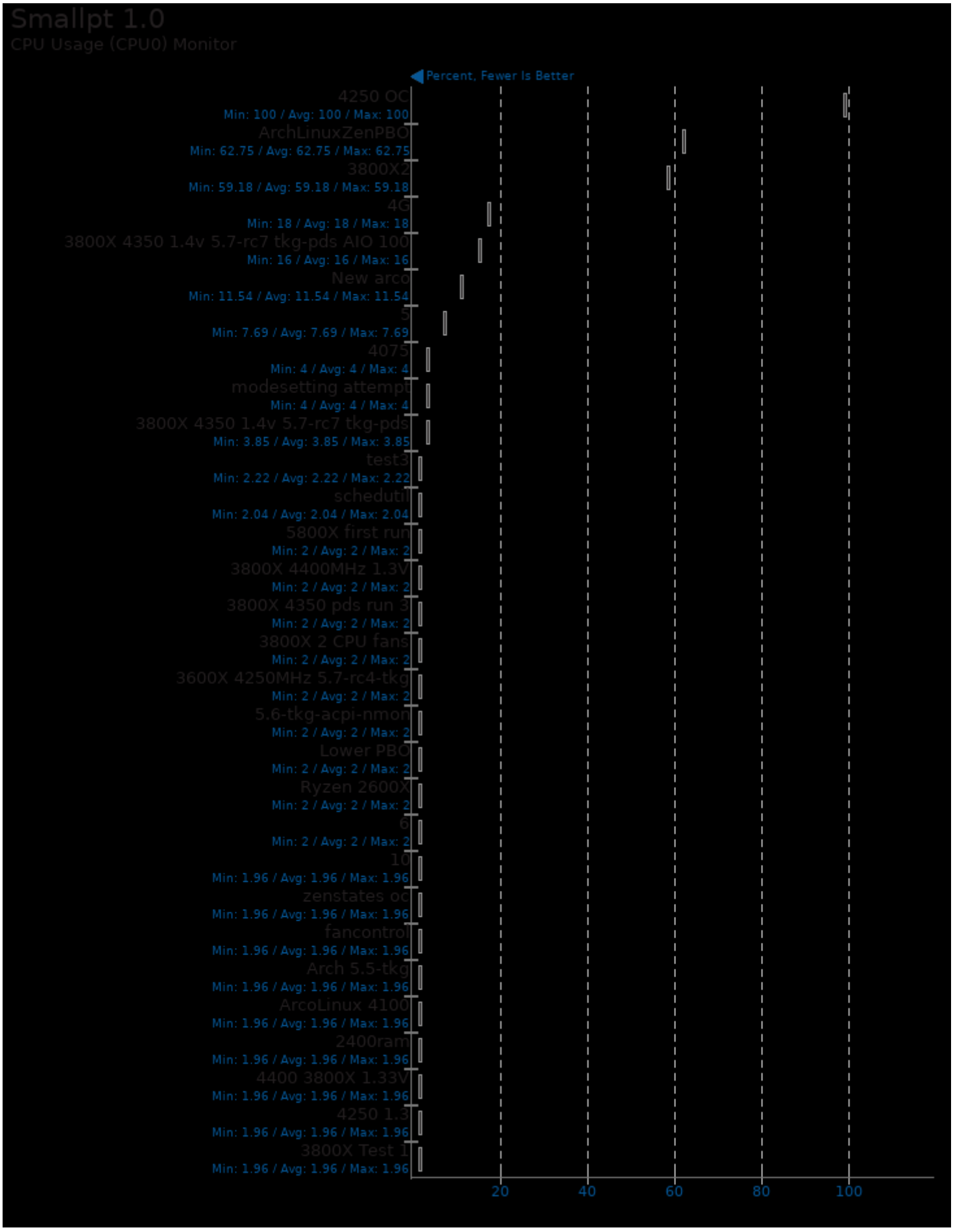
smallpt1


Smallpt 1.0
CPU Usage (Summary) Monitor
Percent, Fewer Is Better
4250 OC
Min: 83.17 / Avg: 83.17 / Max: 83.17
ArchLinuxZenPBO
Min: 13.21 / Avg: 13.21 / Max: 13.21
test3
Min: 11.11 / Avg: 11.11 / Max: 11.11
4G
Min: 10.52 / Avg: 10.52 / Max: 10.52
5
Min: 10.05 / Avg: 10.05 / Max: 10.05
New paste
Min: 10 / Avg: 10 / Max: 10
schedutil
Min: 9.18 / Avg: 9.18 / Max: 9.18
zenstates oc
Min: 8.51 / Avg: 8.51 / Max: 8.51
4075
Min: 8.19 / Avg: 8.19 / Max: 8.19
3800X Test 1
Min: 6.48 / Avg: 6.48 / Max: 6.48
3800X2
Min: 6.26 / Avg: 6.26 / Max: 6.26
New arco
Min: 4.01 / Avg: 4.01 / Max: 4.01
3800X 4350 1.4v 5.7-rc7 tkg-pds AIO 100
Min: 2.12 / Avg: 2.12 / Max: 2.12
5800X first run
Min: 2.01 / Avg: 2.01 / Max: 2.01
smallpt4
Min: 1.49 / Avg: 1.49 / Max: 1.49
5.5-rc
Min: 1 / Avg: 1 / Max: 1
kernel 5.3.14
Min: 1 / Avg: 1 / Max: 1
10
Min: 1 / Avg: 1 / Max: 1
Lower PBO
Min: 0.67 / Avg: 0.67 / Max: 0.67
Gamemode
Min: 0.66 / Avg: 0.66 / Max: 0.66
ugh
Min: 0.63 / Avg: 0.63 / Max: 0.63
3800X 4400MHz 1.3V
Min: 0.62 / Avg: 0.62 / Max: 0.62
3800X 4350 1.4v 5.7-rc7 tkg-pds
Min: 0.62 / Avg: 0.62 / Max: 0.62
3600X 4250MHz 5.7-rc4-tkg
Min: 0.5 / Avg: 0.5 / Max: 0.5
6
Min: 0.5 / Avg: 0.5 / Max: 0.5
test2
Min: 0.5 / Avg: 0.5 / Max: 0.5
first aio
Min: 0.38 / Avg: 0.38 / Max: 0.38
5.6-tkg-acpi-nmon
Min: 0.33 / Avg: 0.33 / Max: 0.33
fancontrol
Min: 0.33 / Avg: 0.33 / Max: 0.33
fsync kernel
Min: 0.33 / Avg: 0.33 / Max: 0.33
5.6-tkg-acpi-pbo
Min: 0.33 / Avg: 0.33 / Max: 0.33
modesetting attempt
Min: 0.33 / Avg: 0.33 / Max: 0.33
4400 3800X 1.33V
Min: 0.25 / Avg: 0.25 / Max: 0.25
2400ram

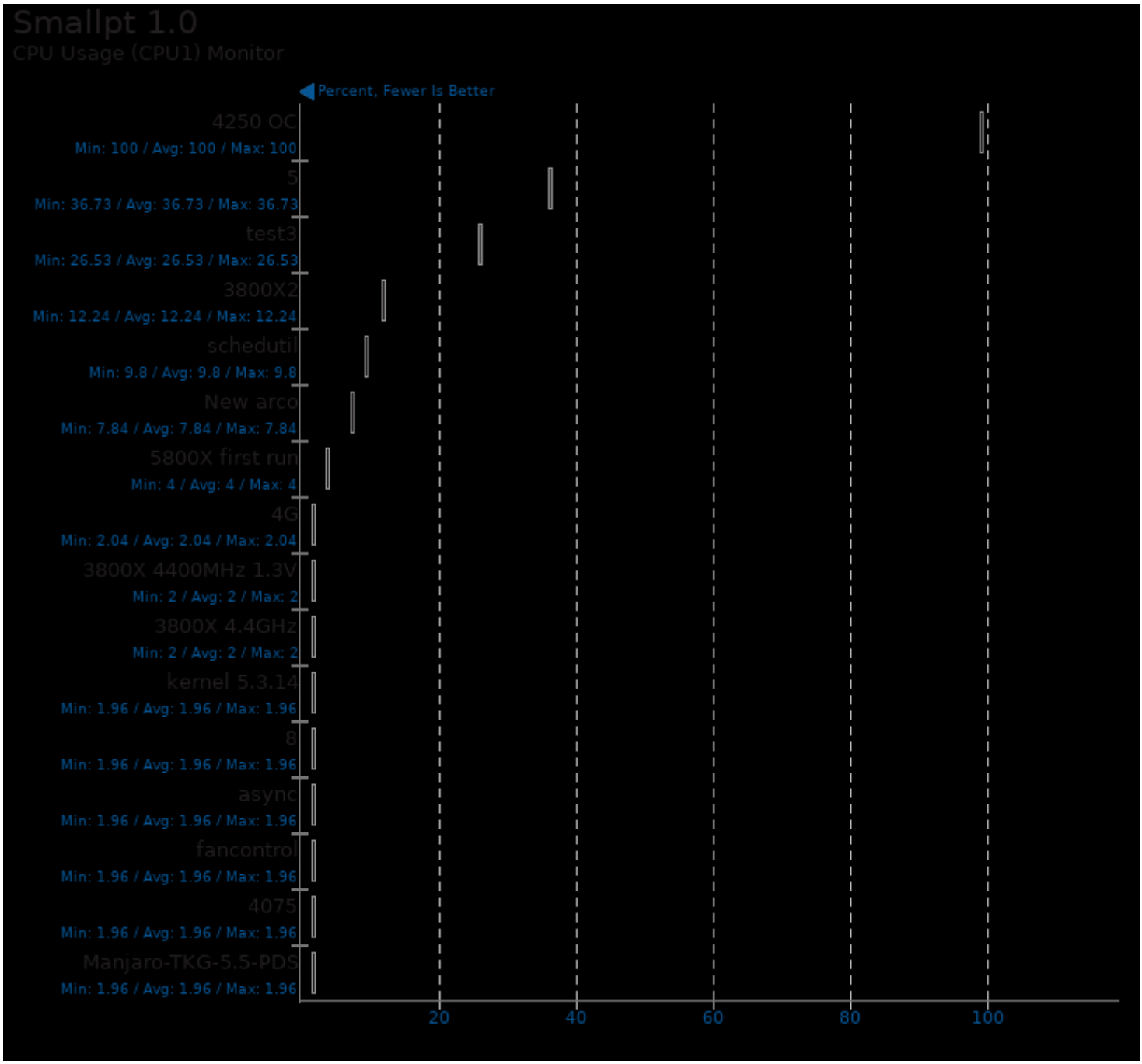
smallpt1


Smallpt 1.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Megahertz, More Is Better
schedutil
Min: 2204 / Avg: 3729.52 / Max: 4207
arcoPBO
Min: 3045 / Avg: 3909.01 / Max: 4169
modesetting attempt
Min: 3822 / Avg: 3909.93 / Max: 4149
Ryzen 2600X
Min: 2210 / Avg: 3939.63 / Max: 4021
pbo3
Min: 3849 / Avg: 3950.1 / Max: 4196
PBO 5.5-tkg
Min: 3873 / Avg: 3961.87 / Max: 4199
Precision Boost Overdrive
Min: 3876 / Avg: 3968.65 / Max: 4210
Arch with fsync kernel 5.4.3
Min: 3349 / Avg: 3969.67 / Max: 4009
5.5-rc
Min: 3890 / Avg: 3975.03 / Max: 4198
async
Min: 3888 / Avg: 3975.54 / Max: 4205
New paste
Min: 3873 / Avg: 3976.6 / Max: 4211
Gamemode
Min: 3899 / Avg: 3978.47 / Max: 4211
test
Min: 3613 / Avg: 3984.43 / Max: 4088
5.6-tkg-acpi-pbo
Min: 3910 / Avg: 3990.64 / Max: 4225
Deepcool
Min: 3911 / Avg: 3992.46 / Max: 4240
4.0GHz
Min: 3999 / Avg: 3999.94 / Max: 4000
fsync kernel
Min: 3999 / Avg: 3999.95 / Max: 4000
5.5-tkg
Min: 3997 / Avg: 4000.78 / Max: 4060
Arch 5.4.8
Min: 3999 / Avg: 4003.8 / Max: 4151
G.Skill
Min: 3632 / Avg: 4016 / Max: 4239
Arch Linux
Min: 4024 / Avg: 4025.95 / Max: 4053
New arco
Min: 4049 / Avg: 4050.23 / Max: 4056
zenstates oc
Min: 4049 / Avg: 4051.21 / Max: 4083
noacpi-5.6
Min: 4050 / Avg: 4052.43 / Max: 4071
2400ram
Min: 3625 / Avg: 4052.81 / Max: 4241
ArcoLinux
Min: 4050 / Avg: 4054.03 / Max: 4094
test2
Min: 3799 / Avg: 4063.49 / Max: 4088
6
Min: 3841 / Avg: 4069.94 / Max: 4088
3600x pbo1
Min: 3594 / Avg: 4074.16 / Max: 4321
5.6-tkg-acpi-nmon
Min: 4072 / Avg: 4074.68 / Max: 4089
4075
Min: 4073 / Avg: 4074.95 / Max: 4076
3600X X570 Taichi
Min: 3603 / Avg: 4075.3 / Max: 4291
Vanilla Manjaro 5.6-rc2
Min: 4075 / Avg: 4075.59 / Max: 4098
arco4075

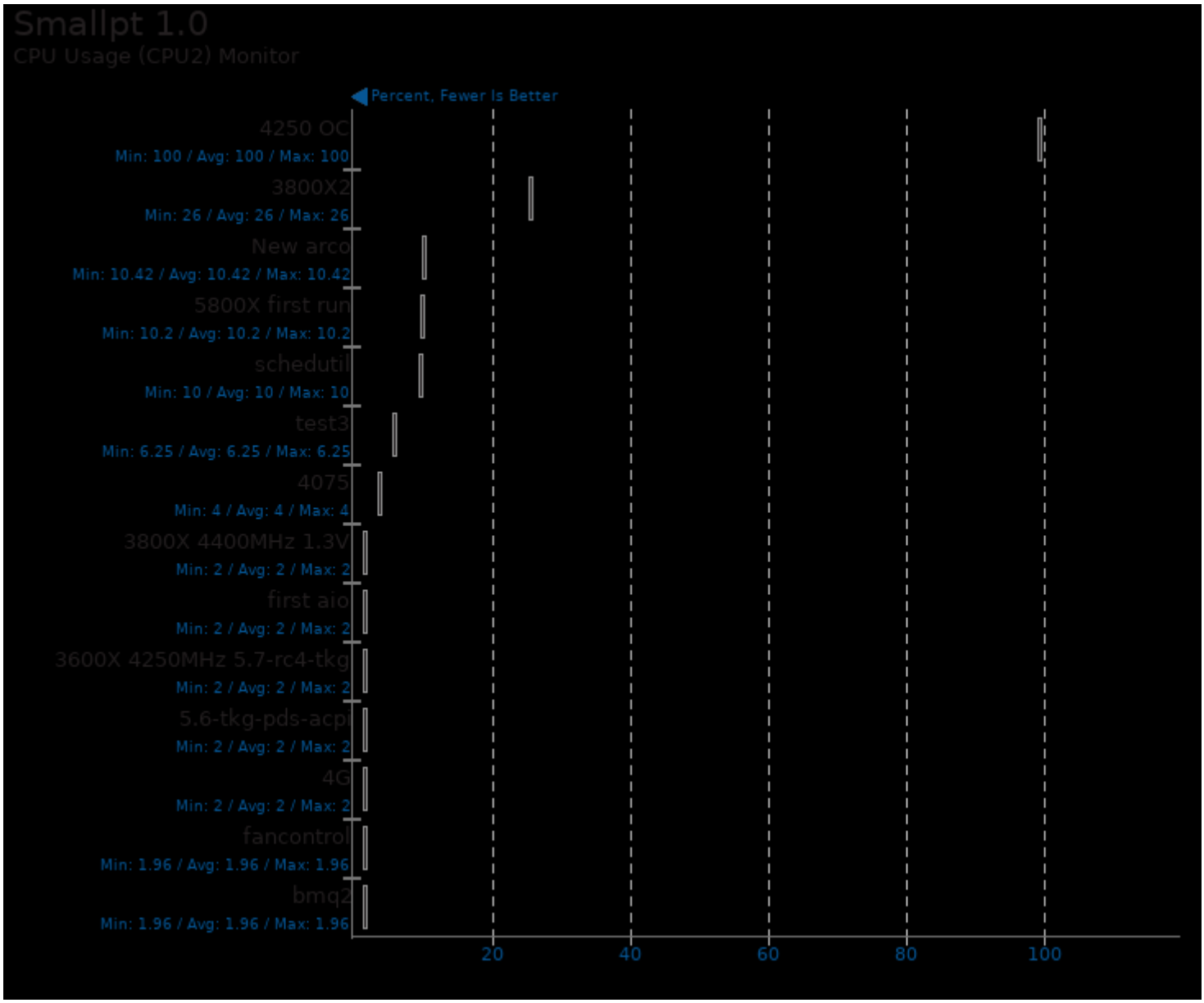
smallpt1


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

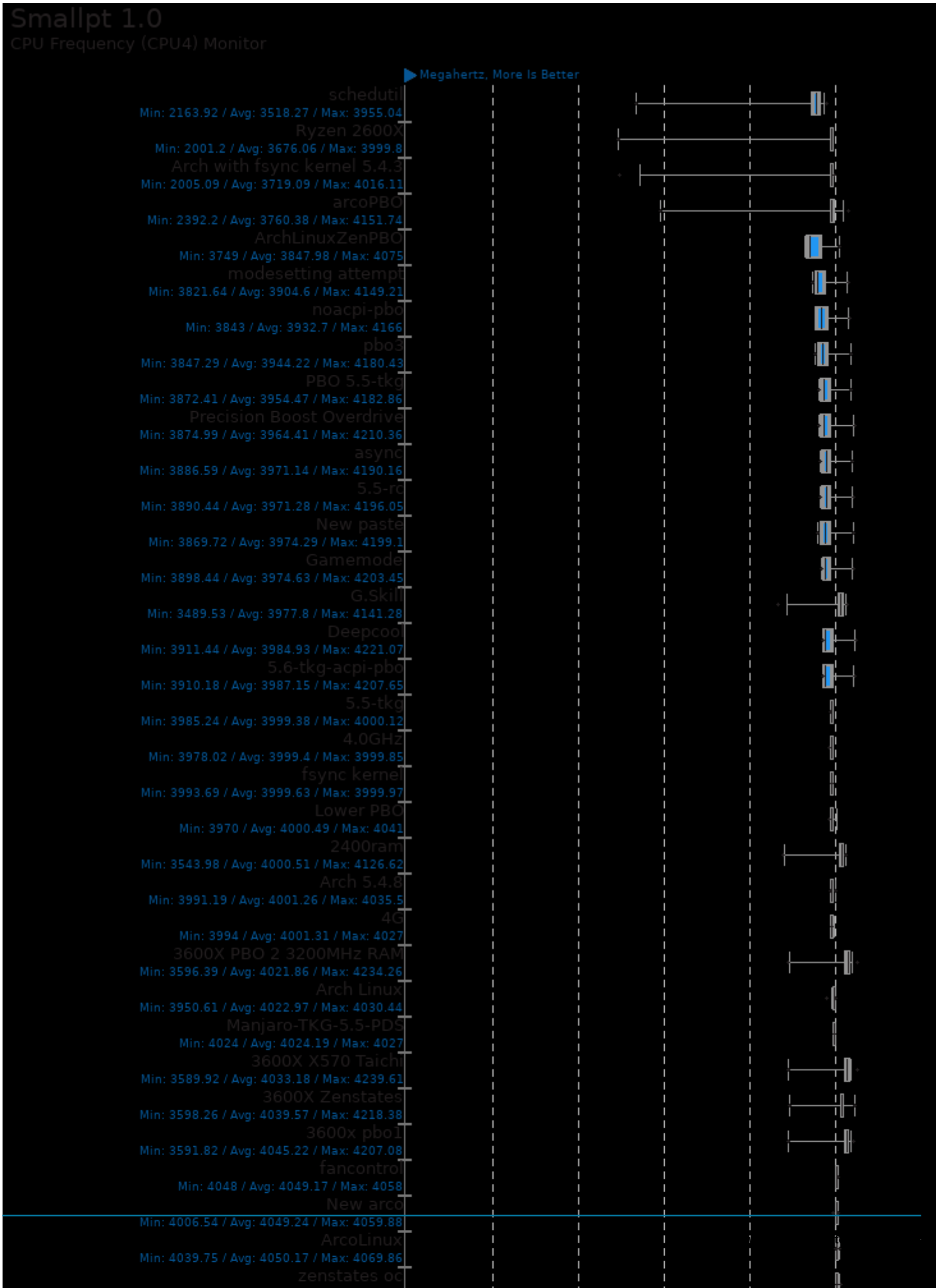
smallpt1


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

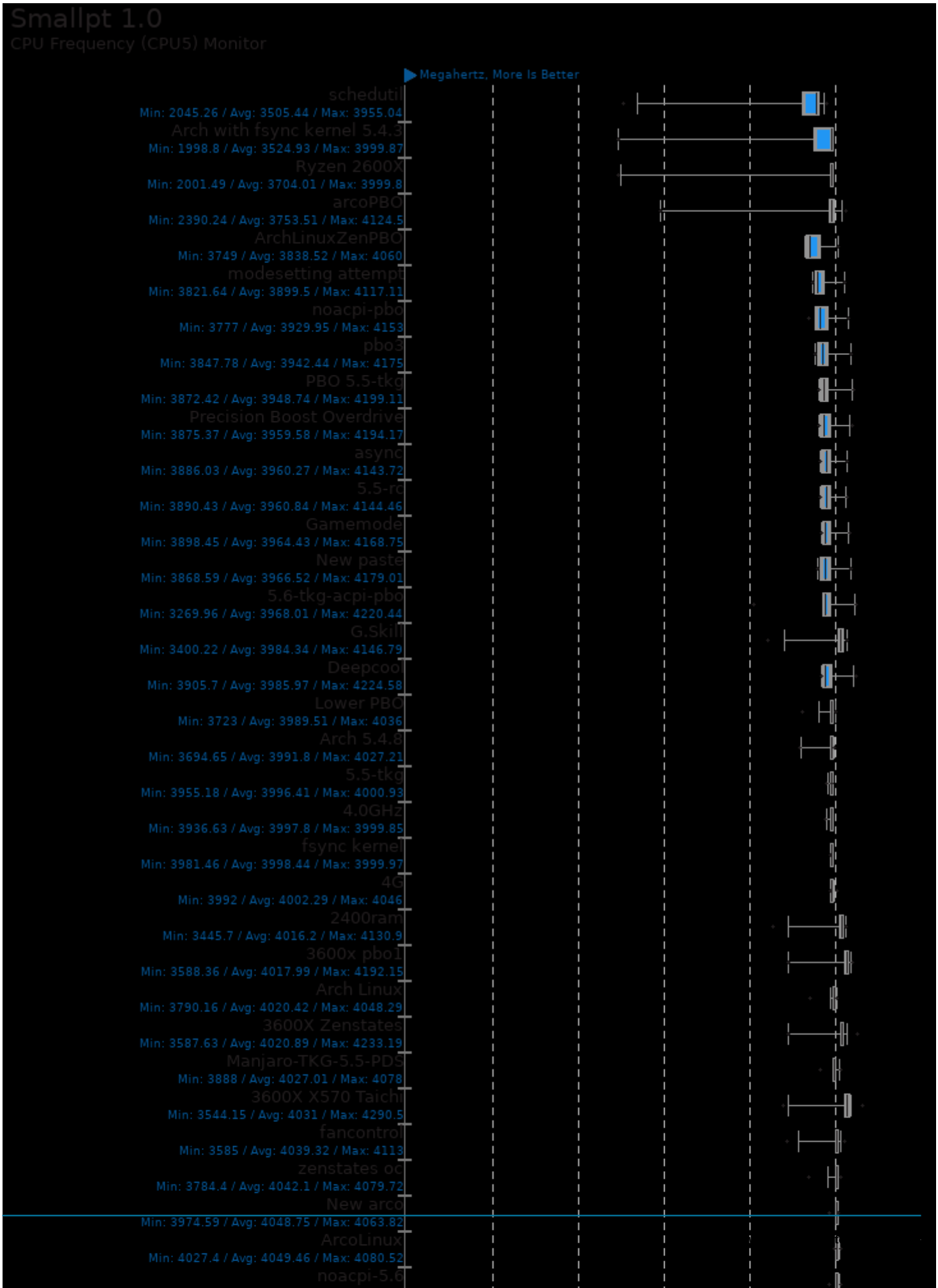
smallpt1


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

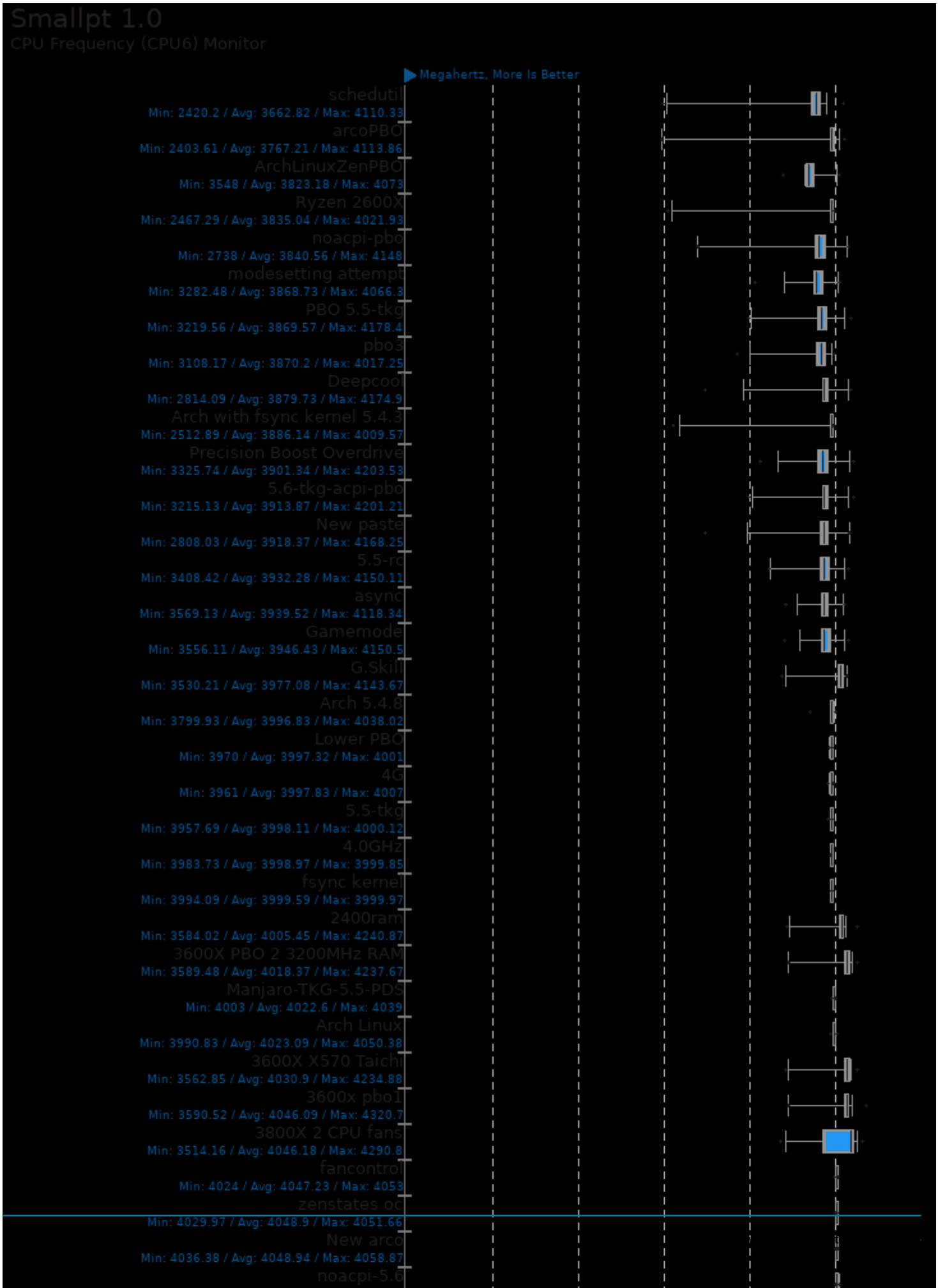
smallpt1


Smallpt 1.0
CPU Frequency (CPU4) Monitor
Megahertz, More Is Better
schedutil
Min: 2163.92 / Avg: 3518.27 / Max: 3955.04
Ryzen 2600X
Min: 2001.2 / Avg: 3676.06 / Max: 3999.8
Arch with fsync kernel 5.4.3
Min: 2005.09 / Avg: 3719.09 / Max: 4016.11
arcoPBO
Min: 2392.2 / Avg: 3760.38 / Max: 4151.74
ArchLinuxZenPBO
Min: 3749 / Avg: 3847.98 / Max: 4075
modesetting attempt
Min: 3821.64 / Avg: 3904.6 / Max: 4149.21
noacpi-pbo
Min: 3843 / Avg: 3932.7 / Max: 4166
pbo3
Min: 3847.29 / Avg: 3944.22 / Max: 4180.43
PBO 5.5-tkg
Min: 3872.41 / Avg: 3954.47 / Max: 4182.86
Precision Boost Overdrive
Min: 3874.99 / Avg: 3964.41 / Max: 4210.36
async
Min: 3886.59 / Avg: 3971.14 / Max: 4190.16
5.5-rc
Min: 3890.44 / Avg: 3971.28 / Max: 4196.05
New paste
Min: 3869.72 / Avg: 3974.29 / Max: 4199.1
Gamemode
Min: 3898.44 / Avg: 3974.63 / Max: 4203.45
G.Skill
Min: 3489.53 / Avg: 3977.8 / Max: 4141.28
Deepcool
Min: 3911.44 / Avg: 3984.93 / Max: 4221.07
5.6-tkg-acpi-pbo
Min: 3910.18 / Avg: 3987.15 / Max: 4207.65
5.5-tkg
Min: 3985.24 / Avg: 3999.38 / Max: 4000.12
4.0GHz
Min: 3978.02 / Avg: 3999.4 / Max: 3999.85
fsync kernel
Min: 3993.69 / Avg: 3999.63 / Max: 3999.97
Lower PBO
Min: 3970 / Avg: 4000.49 / Max: 4041
2400ram
Min: 3543.98 / Avg: 4000.51 / Max: 4126.62
Arch 5.4.8
Min: 3991.19 / Avg: 4001.26 / Max: 4035.5
4G
Min: 3994 / Avg: 4001.31 / Max: 4027
3600X PBO 2 3200MHz RAM
Min: 3596.39 / Avg: 4021.86 / Max: 4234.26
Arch Linux
Min: 3950.61 / Avg: 4022.97 / Max: 4030.44
Manjaro-TKG-5.5-PDS
Min: 4024 / Avg: 4024.19 / Max: 4027
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
fancontrol
Min: 4048 / Avg: 4049.17 / Max: 4058
New arco
Min: 4006.54 / Avg: 4049.24 / Max: 4059.88
ArcoLinux
Min: 4039.75 / Avg: 4050.17 / Max: 4069.86
zenstates oc

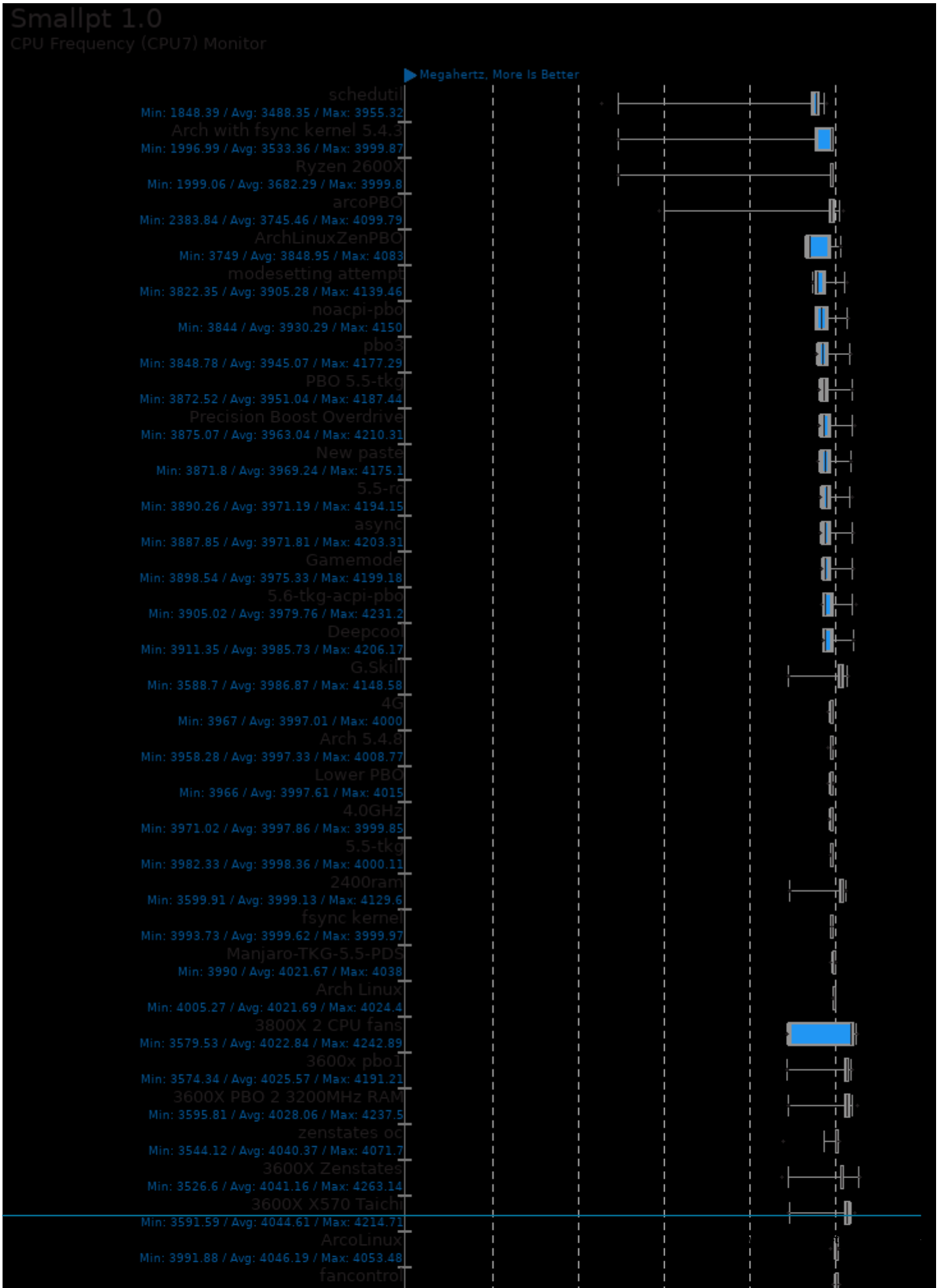
smallpt1


Smallpt 1.0
CPU Frequency (CPU5) Monitor
Megahertz, More Is Better
schedutil
Min: 2045.26 / Avg: 3505.44 / Max: 3955.04
Arch with fsync kernel 5.4.3
Min: 1998.8 / Avg: 3524.93 / Max: 3999.87
Ryzen 2600X
Min: 2001.49 / Avg: 3704.01 / Max: 3999.8
arcoPBO
Min: 2390.24 / Avg: 3753.51 / Max: 4124.5
ArchLinuxZenPBO
Min: 3749 / Avg: 3838.52 / Max: 4060
modesetting attempt
Min: 3821.64 / Avg: 3899.5 / Max: 4117.11
noacpi-pbo
Min: 3777 / Avg: 3929.95 / Max: 4153
pbo3
Min: 3847.78 / Avg: 3942.44 / Max: 4175
PBO 5.5-tkg
Min: 3872.42 / Avg: 3948.74 / Max: 4199.11
Precision Boost Overdrive
Min: 3875.37 / Avg: 3959.58 / Max: 4194.17
async
Min: 3886.03 / Avg: 3960.27 / Max: 4143.72
5.5-rc
Min: 3890.43 / Avg: 3960.84 / Max: 4144.46
Gamemode
Min: 3898.45 / Avg: 3964.43 / Max: 4168.75
New paste
Min: 3868.59 / Avg: 3966.52 / Max: 4179.01
5.6-tkg-acpi-pbo
Min: 3269.96 / Avg: 3968.01 / Max: 4220.44
G.Skill
Min: 3400.22 / Avg: 3984.34 / Max: 4146.79
Deepcool
Min: 3905.7 / Avg: 3985.97 / Max: 4224.58
Lower PBO
Min: 3723 / Avg: 3989.51 / Max: 4036
Arch 5.4.8
Min: 3694.65 / Avg: 3991.8 / Max: 4027.21
5.5-tkg
Min: 3955.18 / Avg: 3996.41 / Max: 4000.93
4.0GHz
Min: 3936.63 / Avg: 3997.8 / Max: 3999.85
fsync kernel
Min: 3981.46 / Avg: 3998.44 / Max: 3999.97
4G
Min: 3992 / Avg: 4002.29 / Max: 4046
2400ram
Min: 3445.7 / Avg: 4016.2 / Max: 4130.9
3600x pbo1
Min: 3588.36 / Avg: 4017.99 / Max: 4192.15
Arch Linux
Min: 3790.16 / Avg: 4020.42 / Max: 4048.29
3600X Zenstates
Min: 3587.63 / Avg: 4020.89 / Max: 4233.19
Manjaro-TKG-5.5-PDS
Min: 3888 / Avg: 4027.01 / Max: 4078
3600X X570 Taichi
Min: 3544.15 / Avg: 4031 / Max: 4290.5
fancontrol
Min: 3585 / Avg: 4039.32 / Max: 4113
zenstates oc
Min: 3784.4 / Avg: 4042.1 / Max: 4079.72
New arco
Min: 3974.59 / Avg: 4048.75 / Max: 4063.82
ArcoLinux
Min: 4027.4 / Avg: 4049.46 / Max: 4080.52
noacpi-5.6

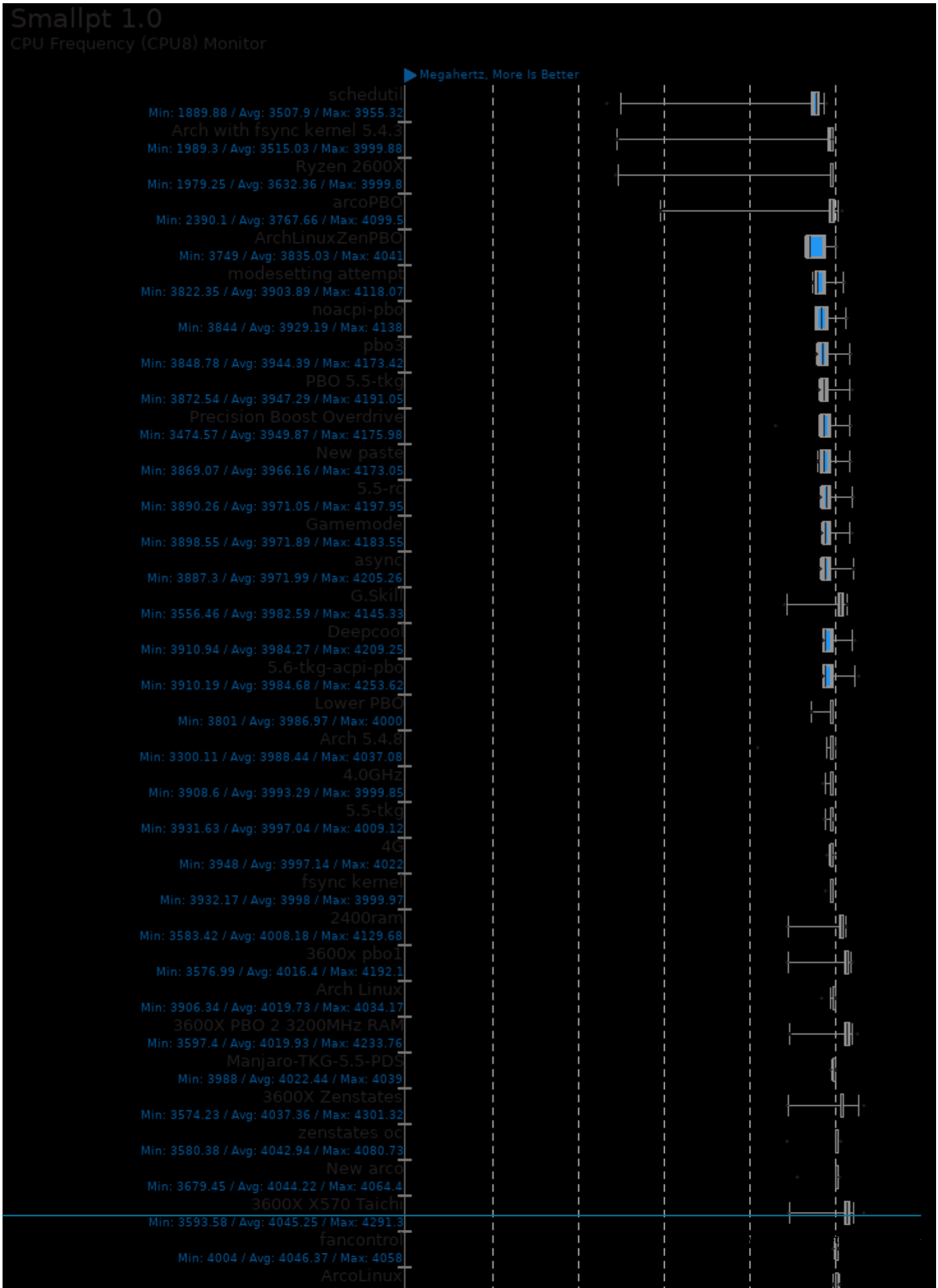
smallpt1


Smallpt 1.0
CPU Frequency (CPU6) Monitor
Megahertz, More Is Better
schedutil
Min: 2420.2 / Avg: 3662.82 / Max: 4110.33
arcoPBO
Min: 2403.61 / Avg: 3767.21 / Max: 4113.86
ArchLinuxZenPBO
Min: 3548 / Avg: 3823.18 / Max: 4073
Ryzen 2600X
Min: 2467.29 / Avg: 3835.04 / Max: 4021.93
noacpi-pbo
Min: 2738 / Avg: 3840.56 / Max: 4148
modesetting attempt
Min: 3282.48 / Avg: 3868.73 / Max: 4066.3
PBO 5.5-tkg
Min: 3219.56 / Avg: 3869.57 / Max: 4178.4
pbo3
Min: 3108.17 / Avg: 3870.2 / Max: 4017.25
Deepcool
Min: 2814.09 / Avg: 3879.73 / Max: 4174.9
Arch with fsync kernel 5.4.3
Min: 2512.89 / Avg: 3886.14 / Max: 4009.57
Precision Boost Overdrive
Min: 3325.74 / Avg: 3901.34 / Max: 4203.53
5.6-tkg-acpi-pbo
Min: 3215.13 / Avg: 3913.87 / Max: 4201.21
New paste
Min: 2808.03 / Avg: 3918.37 / Max: 4168.25
5.5-rc
Min: 3408.42 / Avg: 3932.28 / Max: 4150.11
async
Min: 3569.13 / Avg: 3939.52 / Max: 4118.34
Gamemode
Min: 3556.11 / Avg: 3946.43 / Max: 4150.5
G.Skill
Min: 3530.21 / Avg: 3977.08 / Max: 4143.67
Arch 5.4.8
Min: 3799.93 / Avg: 3996.83 / Max: 4038.02
Lower PBO
Min: 3970 / Avg: 3997.32 / Max: 4001
4G
Min: 3961 / Avg: 3997.83 / Max: 4007
5.5-tkg
Min: 3957.69 / Avg: 3998.11 / Max: 4000.12
4.0GHz
Min: 3983.73 / Avg: 3998.97 / Max: 3999.85
fsync kernel
Min: 3994.09 / Avg: 3999.59 / Max: 3999.97
2400ram
Min: 3584.02 / Avg: 4005.45 / Max: 4240.87
3600X PBO 2 3200MHz RAM
Min: 3589.48 / Avg: 4018.37 / Max: 4237.67
Manjaro-TKG-5.5-PDS
Min: 4003 / Avg: 4022.6 / Max: 4039
Arch Linux
Min: 3990.83 / Avg: 4023.09 / Max: 4050.38
3600X X570 Taichi
Min: 3562.85 / Avg: 4030.9 / Max: 4234.88
3600x pbo1
Min: 3590.52 / Avg: 4046.09 / Max: 4320.7
3800X 2 CPU fans
Min: 3514.16 / Avg: 4046.18 / Max: 4290.8
fancontrol
Min: 4024 / Avg: 4047.23 / Max: 4053
zenstates oc
Min: 4029.97 / Avg: 4048.9 / Max: 4051.66
New arco
Min: 4036.38 / Avg: 4048.94 / Max: 4058.87
noacpi-5.6

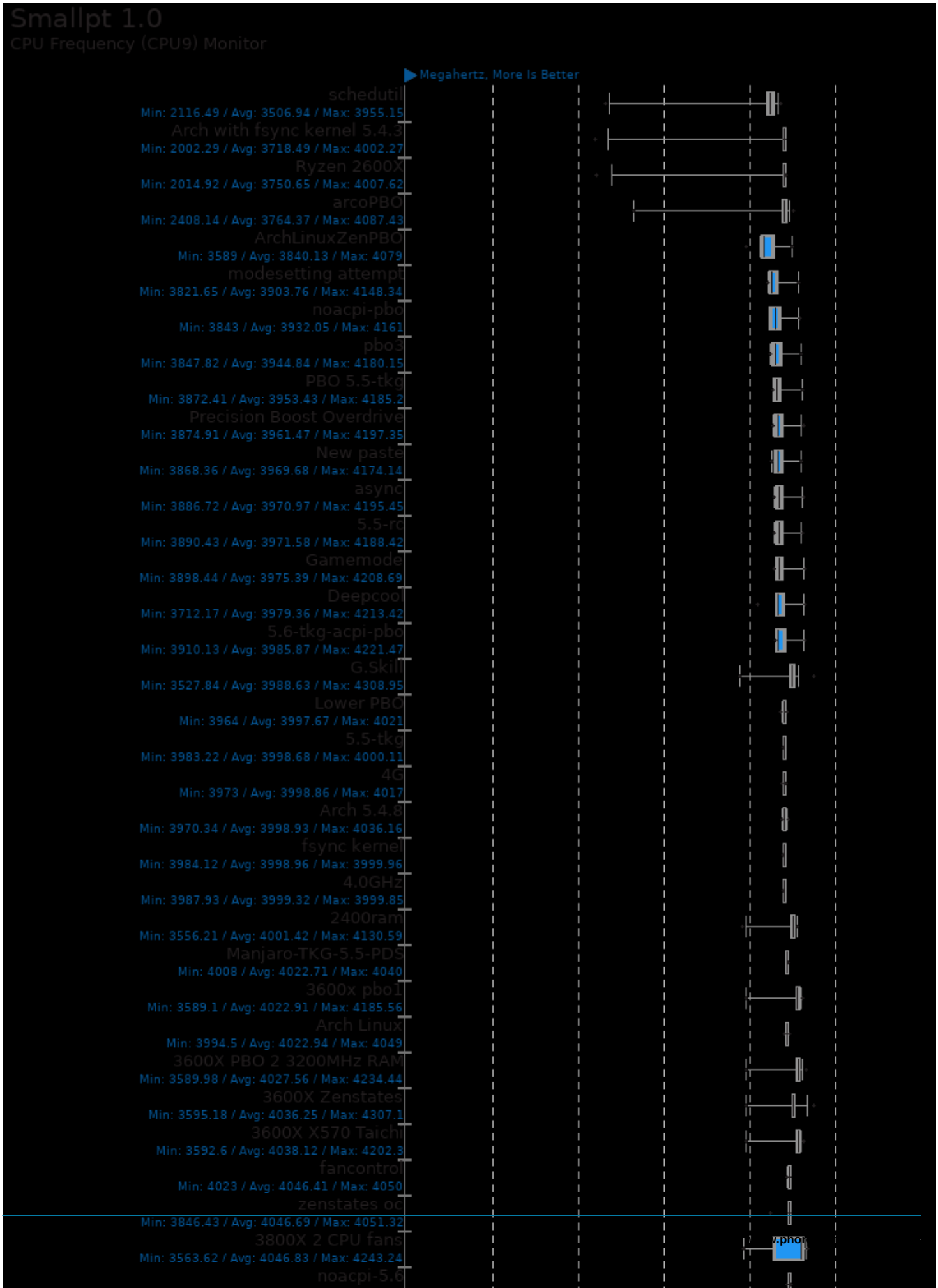
smallpt1


Smallpt 1.0
CPU Frequency (CPU7) Monitor
Megahertz, More Is Better
schedutil
Min: 1848.39 / Avg: 3488.35 / Max: 3955.32
Arch with fsync kernel 5.4.3
Min: 1996.99 / Avg: 3533.36 / Max: 3999.87
Ryzen 2600X
Min: 1999.06 / Avg: 3682.29 / Max: 3999.8
arcoPBO
Min: 2383.84 / Avg: 3745.46 / Max: 4099.79
ArchLinuxZenPBO
Min: 3749 / Avg: 3848.95 / Max: 4083
modesetting attempt
Min: 3822.35 / Avg: 3905.28 / Max: 4139.46
noacpi-pbo
Min: 3844 / Avg: 3930.29 / Max: 4150
pbo3
Min: 3848.78 / Avg: 3945.07 / Max: 4177.29
PBO 5.5-tkg
Min: 3872.52 / Avg: 3951.04 / Max: 4187.44
Precision Boost Overdrive
Min: 3875.07 / Avg: 3963.04 / Max: 4210.31
New paste
Min: 3871.8 / Avg: 3969.24 / Max: 4175.1
5.5-rc
Min: 3890.26 / Avg: 3971.19 / Max: 4194.15
async
Min: 3887.85 / Avg: 3971.81 / Max: 4203.31
Gamemode
Min: 3898.54 / Avg: 3975.33 / Max: 4199.18
5.6-tkg-acpi-pbo
Min: 3905.02 / Avg: 3979.76 / Max: 4231.2
Deepcool
Min: 3911.35 / Avg: 3985.73 / Max: 4206.17
G.Skill
Min: 3588.7 / Avg: 3986.87 / Max: 4148.58
4G
Min: 3967 / Avg: 3997.01 / Max: 4000
Arch 5.4.8
Min: 3958.28 / Avg: 3997.33 / Max: 4008.77
Lower PBO
Min: 3966 / Avg: 3997.61 / Max: 4015
4.0GHz
Min: 3971.02 / Avg: 3997.86 / Max: 3999.85
5.5-tkg
Min: 3982.33 / Avg: 3998.36 / Max: 4000.11
2400ram
Min: 3599.91 / Avg: 3999.13 / Max: 4129.6
fsync kernel
Min: 3993.73 / Avg: 3999.62 / Max: 3999.97
Manjaro-TKG-5.5-PDS
Min: 3990 / Avg: 4021.67 / Max: 4038
Arch Linux
Min: 4005.27 / Avg: 4021.69 / Max: 4024.4
3800X 2 CPU fans
Min: 3579.53 / Avg: 4022.84 / Max: 4242.89
3600x pbo1
Min: 3574.34 / Avg: 4025.57 / Max: 4191.21
3600X PBO 2 3200MHz RAM
Min: 3595.81 / Avg: 4028.06 / Max: 4237.5
zenstates oc
Min: 3544.12 / Avg: 4040.37 / Max: 4071.7
3600X Zenstates
Min: 3526.6 / Avg: 4041.16 / Max: 4263.14
3600X X570 Taichi
Min: 3591.59 / Avg: 4044.61 / Max: 4214.71
ArcoLinux
Min: 3991.88 / Avg: 4046.19 / Max: 4053.48
fancontrol

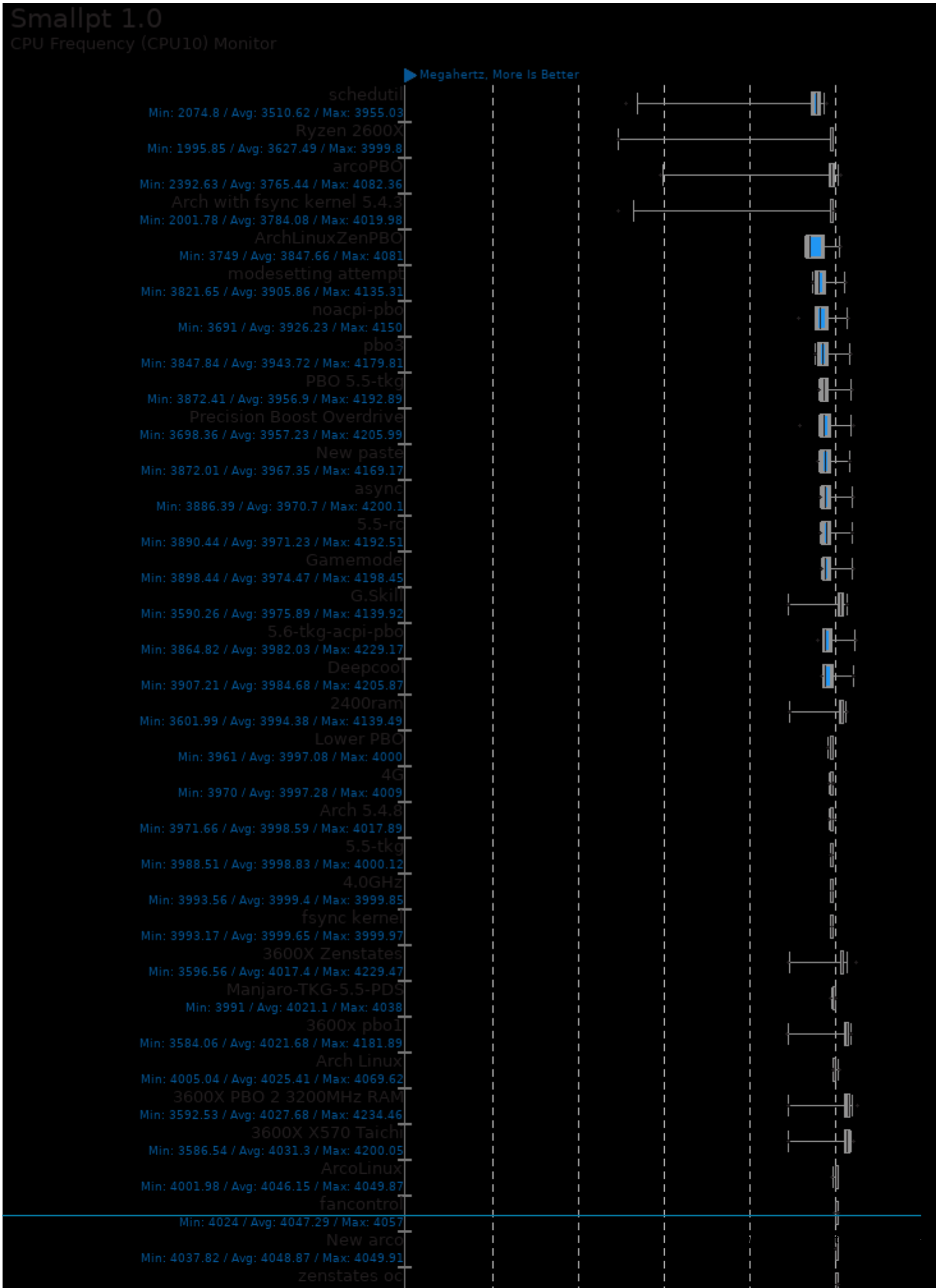
smallpt1


Smallpt 1.0
CPU Frequency (CPU8) Monitor
Megahertz, More Is Better
schedutil
Min: 1889.88 / Avg: 3507.9 / Max: 3955.32
Arch with fsync kernel 5.4.3
Min: 1989.3 / Avg: 3515.03 / Max: 3999.88
Ryzen 2600X
Min: 1979.25 / Avg: 3632.36 / Max: 3999.8
arcoPBO
Min: 2390.1 / Avg: 3767.66 / Max: 4099.5
ArchLinuxZenPBO
Min: 3749 / Avg: 3835.03 / Max: 4041
modesetting attempt
Min: 3822.35 / Avg: 3903.89 / Max: 4118.07
noacpi-pbo
Min: 3844 / Avg: 3929.19 / Max: 4138
pbo3
Min: 3848.78 / Avg: 3944.39 / Max: 4173.42
PBO 5.5-tkg
Min: 3872.54 / Avg: 3947.29 / Max: 4191.05
Precision Boost Overdrive
Min: 3474.57 / Avg: 3949.87 / Max: 4175.98
New paste
Min: 3869.07 / Avg: 3966.16 / Max: 4173.05
5.5-rc
Min: 3890.26 / Avg: 3971.05 / Max: 4197.95
Gamemode
Min: 3898.55 / Avg: 3971.89 / Max: 4183.55
async
Min: 3887.3 / Avg: 3971.99 / Max: 4205.26
G.Skill
Min: 3556.46 / Avg: 3982.59 / Max: 4145.33
Deepcool
Min: 3910.94 / Avg: 3984.27 / Max: 4209.25
5.6-tkg-acpi-pbo
Min: 3910.19 / Avg: 3984.68 / Max: 4253.62
Lower PBO
Min: 3801 / Avg: 3986.97 / Max: 4000
Arch 5.4.8
Min: 3300.11 / Avg: 3988.44 / Max: 4037.08
4.0GHz
Min: 3908.6 / Avg: 3993.29 / Max: 3999.85
5.5-tkg
Min: 3931.63 / Avg: 3997.04 / Max: 4009.12
4G
Min: 3948 / Avg: 3997.14 / Max: 4022
fsync kernel
Min: 3932.17 / Avg: 3998 / Max: 3999.97
2400ram
Min: 3583.42 / Avg: 4008.18 / Max: 4129.68
3600x pbo1
Min: 3576.99 / Avg: 4016.4 / Max: 4192.1
Arch Linux
Min: 3906.34 / Avg: 4019.73 / Max: 4034.17
3600X PBO 2 3200MHz RAM
Min: 3597.4 / Avg: 4019.93 / Max: 4233.76
Manjaro-TKG-5.5-PDS
Min: 3988 / Avg: 4022.44 / Max: 4039
3600X Zenstates
Min: 3574.23 / Avg: 4037.36 / Max: 4301.32
zenstates oc
Min: 3580.38 / Avg: 4042.94 / Max: 4080.73
New arco
Min: 3679.45 / Avg: 4044.22 / Max: 4064.4
3600X X570 Taichi
Min: 3593.58 / Avg: 4045.25 / Max: 4291.3
fancontrol
Min: 4004 / Avg: 4046.37 / Max: 4058
ArcoLinux

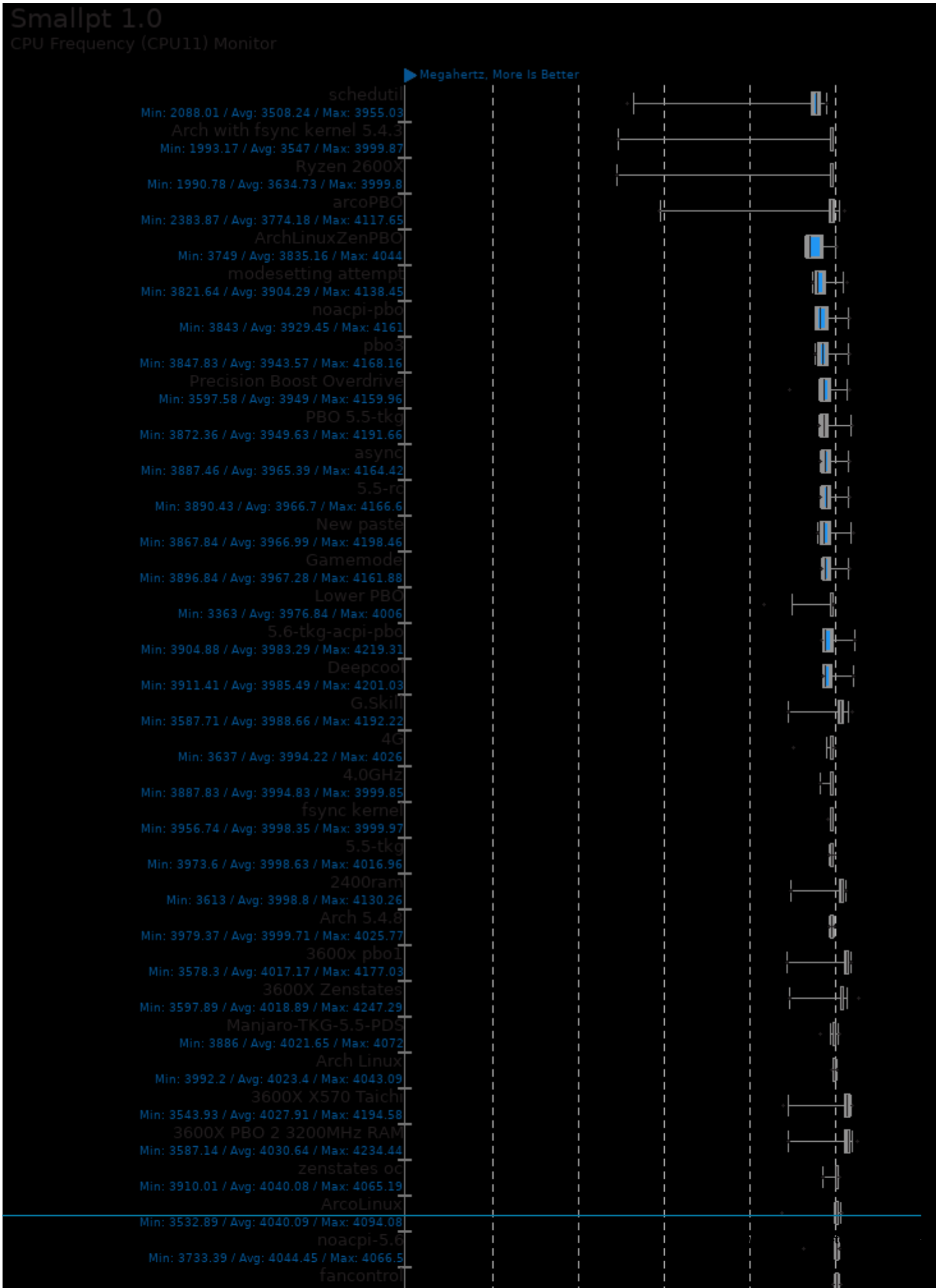
smallpt1


Smallpt 1.0
CPU Frequency (CPU9) Monitor
Megahertz, More Is Better
schedutil
Min: 2116.49 / Avg: 3506.94 / Max: 3955.15
Arch with fsync kernel 5.4.3
Min: 2002.29 / Avg: 3718.49 / Max: 4002.27
Ryzen 2600X
Min: 2014.92 / Avg: 3750.65 / Max: 4007.62
arcoPBO
Min: 2408.14 / Avg: 3764.37 / Max: 4087.43
ArchLinuxZenPBO
Min: 3589 / Avg: 3840.13 / Max: 4079
modesetting attempt
Min: 3821.65 / Avg: 3903.76 / Max: 4148.34
noacpi-pbo
Min: 3843 / Avg: 3932.05 / Max: 4161
pbo3
Min: 3847.82 / Avg: 3944.84 / Max: 4180.15
PBO 5.5-tkg
Min: 3872.41 / Avg: 3953.43 / Max: 4185.2
Precision Boost Overdrive
Min: 3874.91 / Avg: 3961.47 / Max: 4197.35
New paste
Min: 3868.36 / Avg: 3969.68 / Max: 4174.14
async
Min: 3886.72 / Avg: 3970.97 / Max: 4195.45
5.5-rc
Min: 3890.43 / Avg: 3971.58 / Max: 4188.42
Gamemode
Min: 3898.44 / Avg: 3975.39 / Max: 4208.69
Deepcool
Min: 3712.17 / Avg: 3979.36 / Max: 4213.42
5.6-tkg-acpi-pbo
Min: 3910.13 / Avg: 3985.87 / Max: 4221.47
G.Skill
Min: 3527.84 / Avg: 3988.63 / Max: 4308.95
Lower PBO
Min: 3964 / Avg: 3997.67 / Max: 4021
5.5-tkg
Min: 3983.22 / Avg: 3998.68 / Max: 4000.11
4G
Min: 3973 / Avg: 3998.86 / Max: 4017
Arch 5.4.8
Min: 3970.34 / Avg: 3998.93 / Max: 4036.16
fsync kernel
Min: 3984.12 / Avg: 3998.96 / Max: 3999.96
4.0GHz
Min: 3987.93 / Avg: 3999.32 / Max: 3999.85
2400ram
Min: 3556.21 / Avg: 4001.42 / Max: 4130.59
Manjaro-TKG-5.5-PDS
Min: 4008 / Avg: 4022.71 / Max: 4040
3600x pbo1
Min: 3589.1 / Avg: 4022.91 / Max: 4185.56
Arch Linux
Min: 3994.5 / Avg: 4022.94 / Max: 4049
3600X PBO 2 3200MHz RAM
Min: 3589.98 / Avg: 4027.56 / Max: 4234.44
3600X Zenstates
Min: 3595.18 / Avg: 4036.25 / Max: 4307.1
3600X X570 Taichi
Min: 3592.6 / Avg: 4038.12 / Max: 4202.3
fancontrol
Min: 4023 / Avg: 4046.41 / Max: 4050
zenstates oc
Min: 3846.43 / Avg: 4046.69 / Max: 4051.32
3800X 2 CPU fans
Min: 3563.62 / Avg: 4046.83 / Max: 4243.24
noacpi-5.6

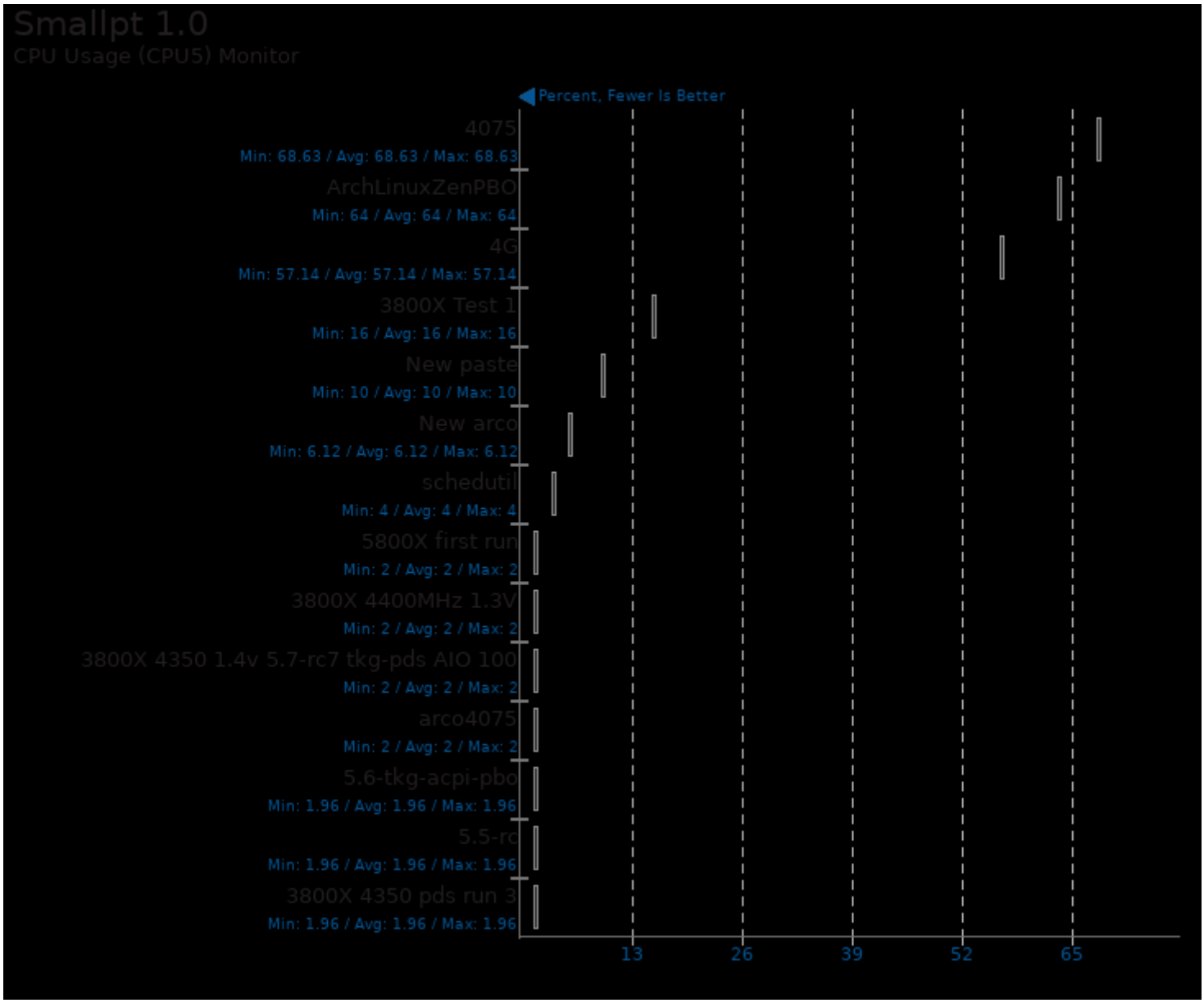
smallpt1


Smallpt 1.0
CPU Frequency (CPU10) Monitor
Megahertz, More Is Better
schedutil
Min: 2074.8 / Avg: 3510.62 / Max: 3955.03
Ryzen 2600X
Min: 1995.85 / Avg: 3627.49 / Max: 3999.8
arcoPBO
Min: 2392.63 / Avg: 3765.44 / Max: 4082.36
Arch with fsync kernel 5.4.3
Min: 2001.78 / Avg: 3784.08 / Max: 4019.98
ArchLinuxZenPBO
Min: 3749 / Avg: 3847.66 / Max: 4081
modesetting attempt
Min: 3821.65 / Avg: 3905.86 / Max: 4135.31
noacpi-pbo
Min: 3691 / Avg: 3926.23 / Max: 4150
pbo3
Min: 3847.84 / Avg: 3943.72 / Max: 4179.81
PBO 5.5-tkg
Min: 3872.41 / Avg: 3956.9 / Max: 4192.89
Precision Boost Overdrive
Min: 3698.36 / Avg: 3957.23 / Max: 4205.99
New paste
Min: 3872.01 / Avg: 3967.35 / Max: 4169.17
async
Min: 3886.39 / Avg: 3970.7 / Max: 4200.1
5.5-rc
Min: 3890.44 / Avg: 3971.23 / Max: 4192.51
Gamemode
Min: 3898.44 / Avg: 3974.47 / Max: 4198.45
G.Skill
Min: 3590.26 / Avg: 3975.89 / Max: 4139.92
5.6-tkg-acpi-pbo
Min: 3864.82 / Avg: 3982.03 / Max: 4229.17
Deepcool
Min: 3907.21 / Avg: 3984.68 / Max: 4205.87
2400ram
Min: 3601.99 / Avg: 3994.38 / Max: 4139.49
Lower PBO
Min: 3961 / Avg: 3997.08 / Max: 4000
4G
Min: 3970 / Avg: 3997.28 / Max: 4009
Arch 5.4.8
Min: 3971.66 / Avg: 3998.59 / Max: 4017.89
5.5-tkg
Min: 3988.51 / Avg: 3998.83 / Max: 4000.12
4.0GHz
Min: 3993.56 / Avg: 3999.4 / Max: 3999.85
fsync kernel
Min: 3993.17 / Avg: 3999.65 / Max: 3999.97
3600X Zenstates
Min: 3596.56 / Avg: 4017.4 / Max: 4229.47
Manjaro-TKG-5.5-PDS
Min: 3991 / Avg: 4021.1 / Max: 4038
3600x pbo1
Min: 3584.06 / Avg: 4021.68 / Max: 4181.89
Arch Linux
Min: 4005.04 / Avg: 4025.41 / Max: 4069.62
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
ArcoLinux
Min: 4001.98 / Avg: 4046.15 / Max: 4049.87
fancontrol
Min: 4024 / Avg: 4047.29 / Max: 4057
New arco
Min: 4037.82 / Avg: 4048.87 / Max: 4049.91
zenstates oc

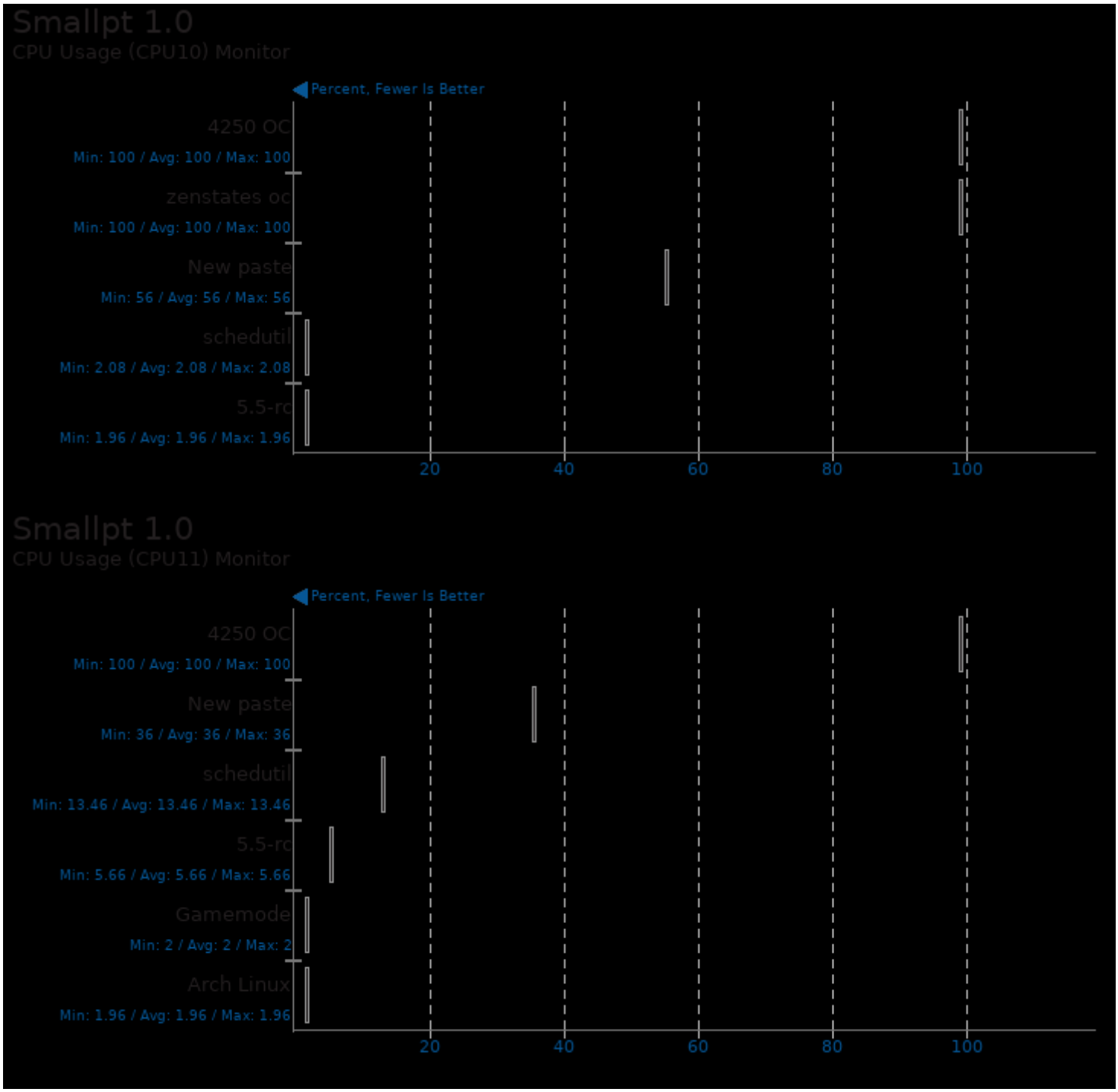
smallpt1


Smallpt 1.0
CPU Frequency (CPU11) Monitor
Megahertz, More Is Better
schedutil
Min: 2088.01 / Avg: 3508.24 / Max: 3955.03
Arch with fsync kernel 5.4.3
Min: 1993.17 / Avg: 3547 / Max: 3999.87
Ryzen 2600X
Min: 1990.78 / Avg: 3634.73 / Max: 3999.8
arcoPBO
Min: 2383.87 / Avg: 3774.18 / Max: 4117.65
ArchLinuxZenPBO
Min: 3749 / Avg: 3835.16 / Max: 4044
modesetting attempt
Min: 3821.64 / Avg: 3904.29 / Max: 4138.45
noacpi-pbo
Min: 3843 / Avg: 3929.45 / Max: 4161
pbo3
Min: 3847.83 / Avg: 3943.57 / Max: 4168.16
Precision Boost Overdrive
Min: 3597.58 / Avg: 3949 / Max: 4159.96
PBO 5.5-tkg
Min: 3872.36 / Avg: 3949.63 / Max: 4191.66
async
Min: 3887.46 / Avg: 3965.39 / Max: 4164.42
5.5-rc
Min: 3890.43 / Avg: 3966.7 / Max: 4166.6
New paste
Min: 3867.84 / Avg: 3966.99 / Max: 4198.46
Gamemode
Min: 3896.84 / Avg: 3967.28 / Max: 4161.88
Lower PBO
Min: 3363 / Avg: 3976.84 / Max: 4006
5.6-tkg-acpi-pbo
Min: 3904.88 / Avg: 3983.29 / Max: 4219.31
Deepcool
Min: 3911.41 / Avg: 3985.49 / Max: 4201.03
G.Skill
Min: 3587.71 / Avg: 3988.66 / Max: 4192.22
4G
Min: 3637 / Avg: 3994.22 / Max: 4026
4.0GHz
Min: 3887.83 / Avg: 3994.83 / Max: 3999.85
fsync kernel
Min: 3956.74 / Avg: 3998.35 / Max: 3999.97
5.5-tkg
Min: 3973.6 / Avg: 3998.63 / Max: 4016.96
2400ram
Min: 3613 / Avg: 3998.8 / Max: 4130.26
Arch 5.4.8
Min: 3979.37 / Avg: 3999.71 / Max: 4025.77
3600x pbo1
Min: 3578.3 / Avg: 4017.17 / Max: 4177.03
3600X Zenstates
Min: 3597.89 / Avg: 4018.89 / Max: 4247.29
Manjaro-TKG-5.5-PDS
Min: 3886 / Avg: 4021.65 / Max: 4072
Arch Linux
Min: 3992.2 / Avg: 4023.4 / Max: 4043.09
3600X X570 Taichi
Min: 3543.93 / Avg: 4027.91 / Max: 4194.58
3600X PBO 2 3200MHz RAM
Min: 3587.14 / Avg: 4030.64 / Max: 4234.44
zenstates oc
Min: 3910.01 / Avg: 4040.08 / Max: 4065.19
ArcoLinux
Min: 3532.89 / Avg: 4040.09 / Max: 4094.08
noacpi-5.6
Min: 3733.39 / Avg: 4044.45 / Max: 4066.5
fancontrol

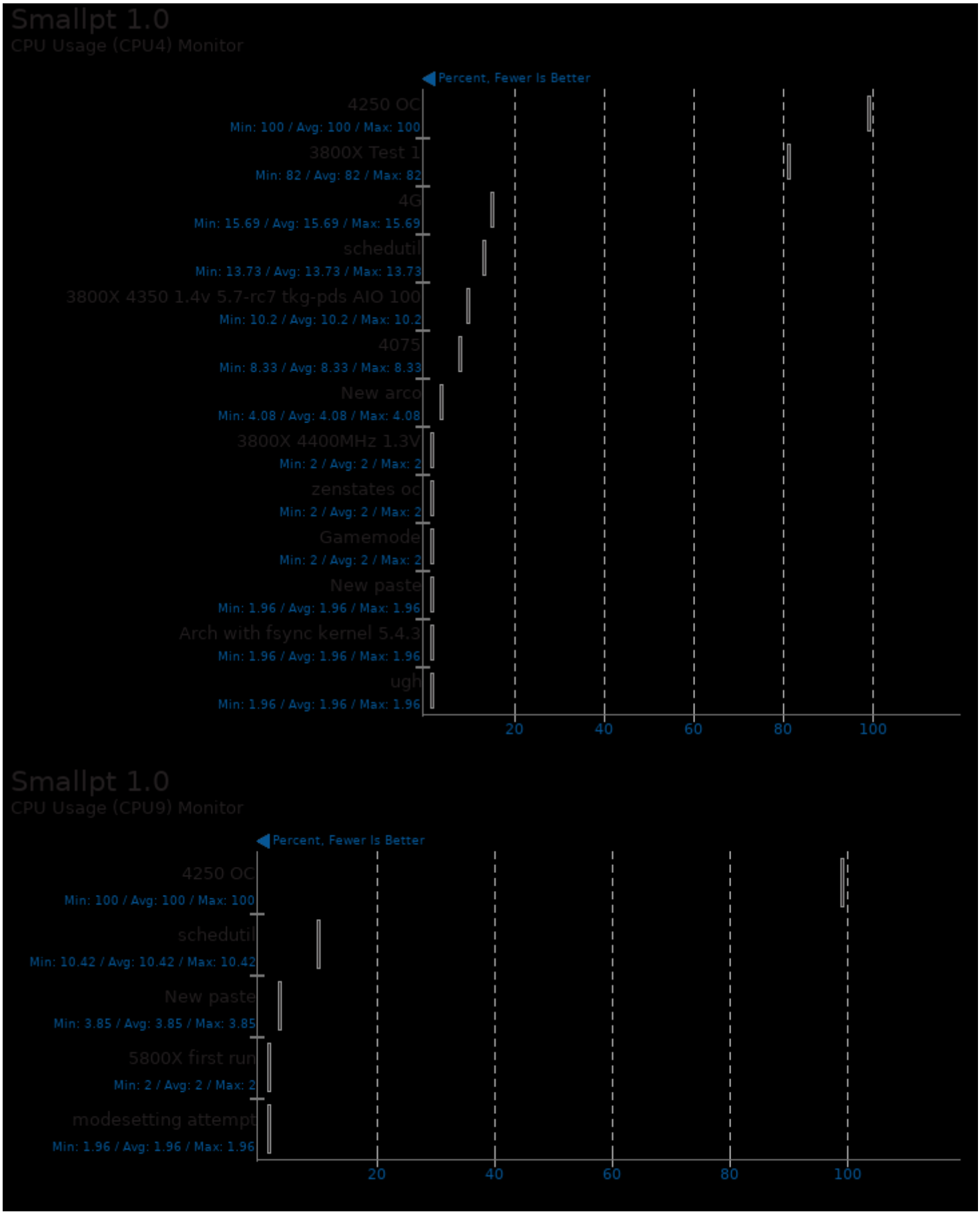
smallpt1


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

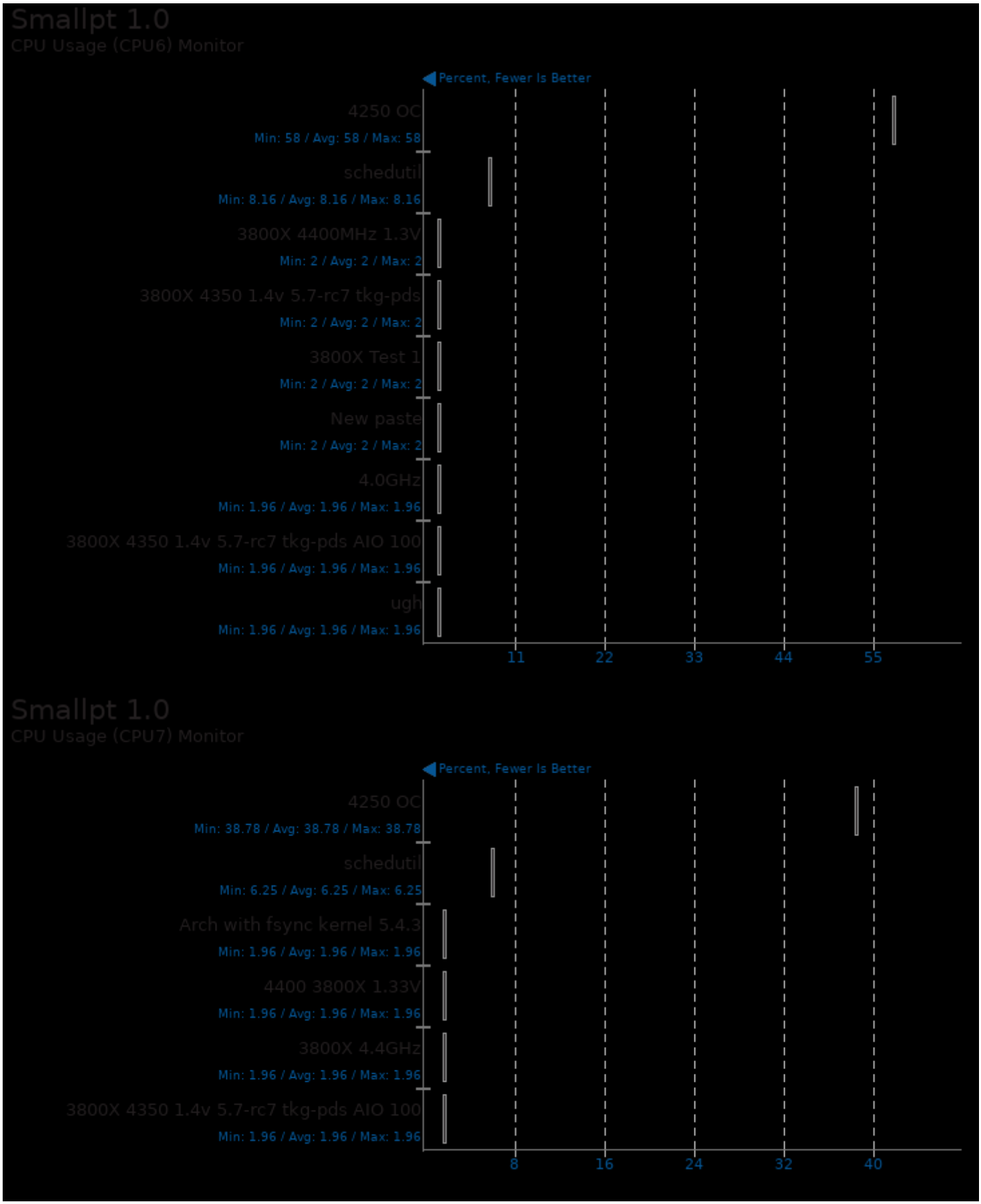
smallpt1


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

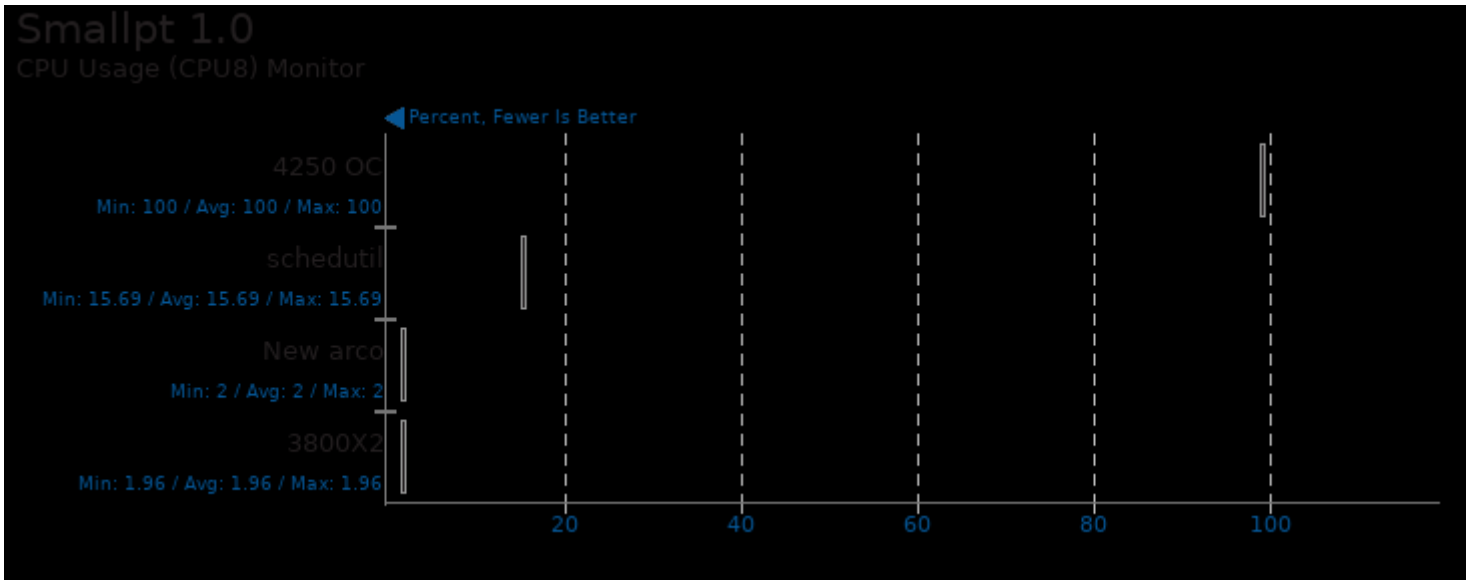
smallpt1


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

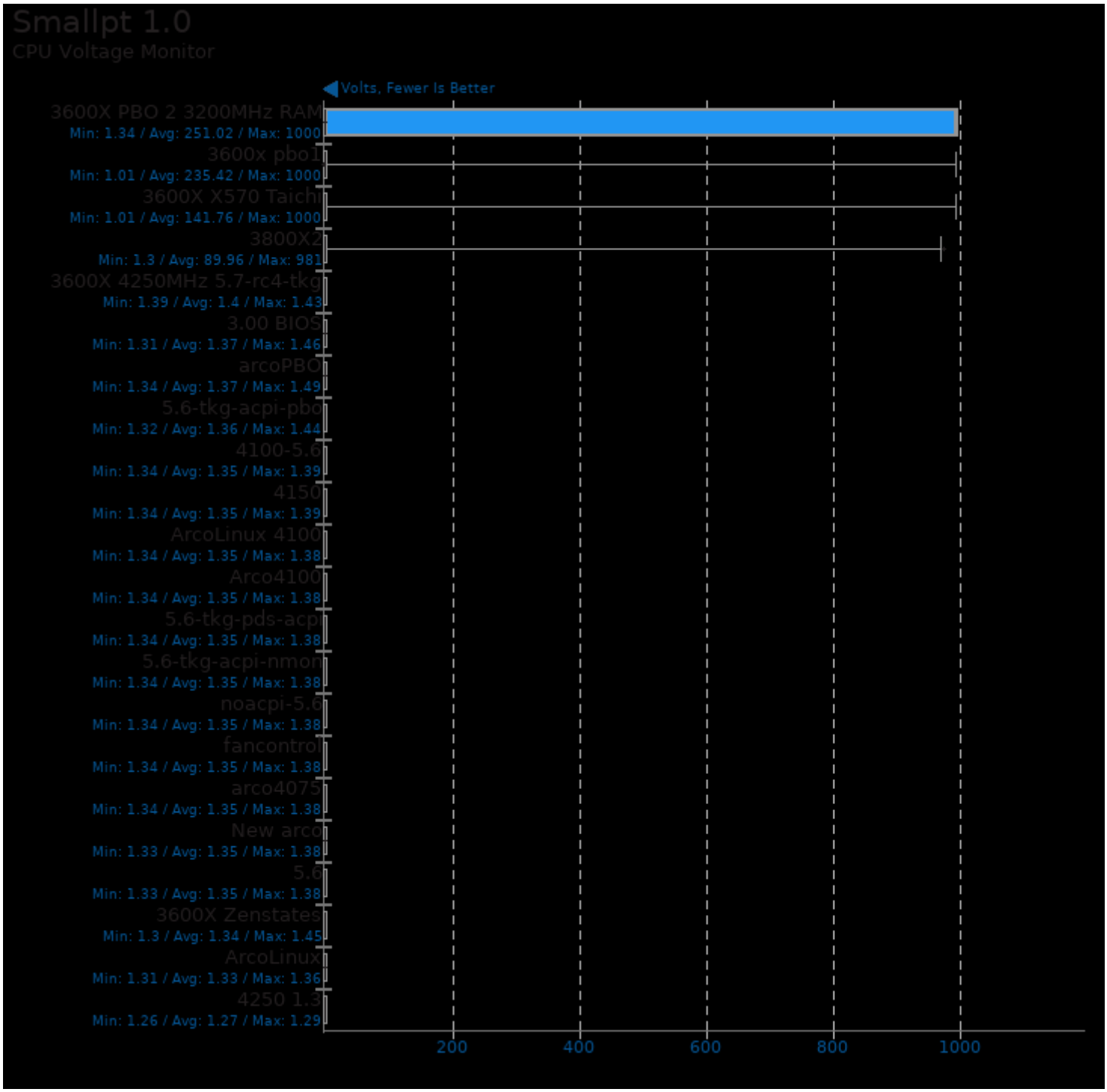
smallpt1


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

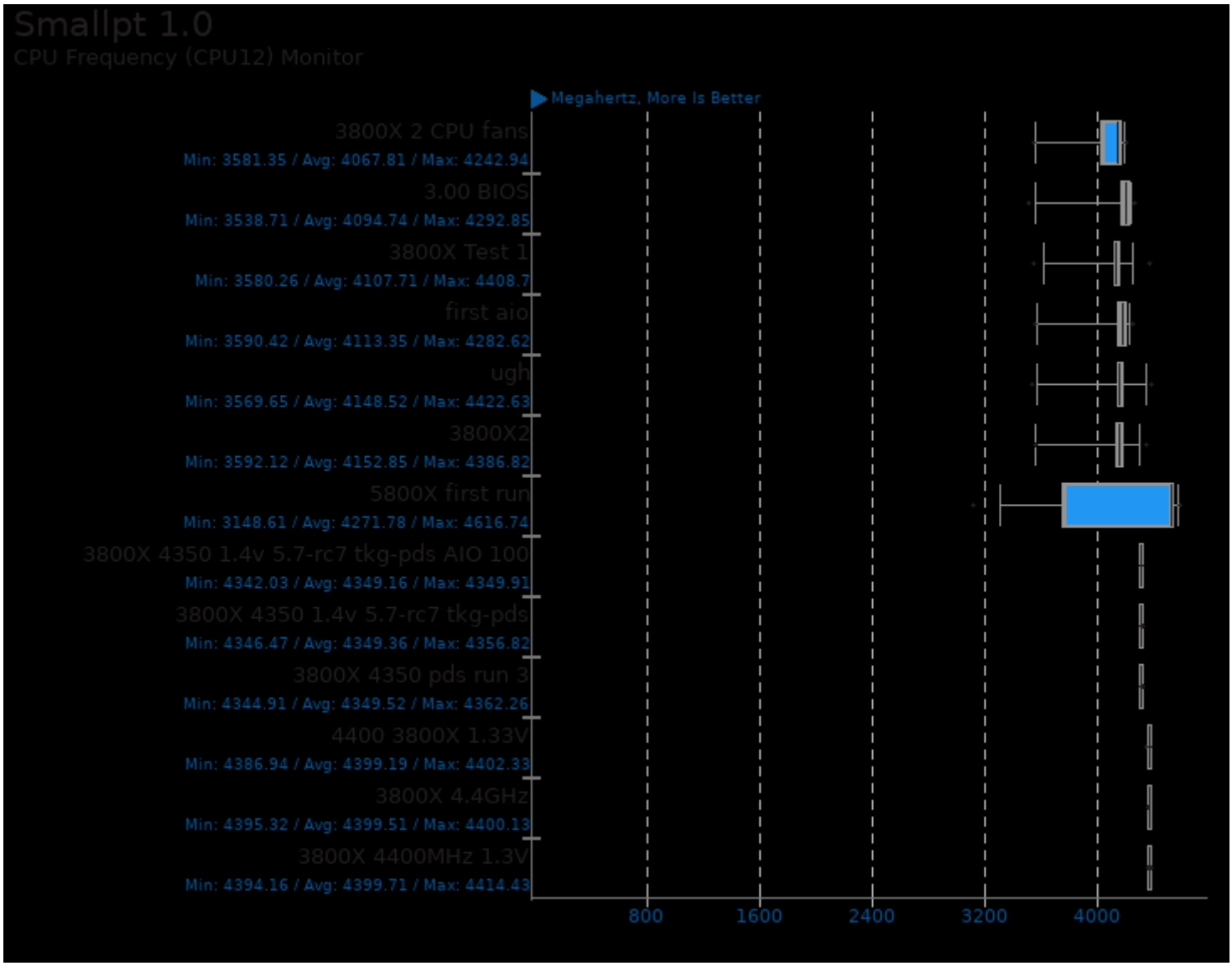
smallpt1


Smallpt 1.0
CPU Usage (CPU8) Monitor
Percent, Fewer Is Better
4250 OC
Min: 100 / Avg: 100 / Max: 100
schedutil
Min: 15.69 / Avg: 15.69 / Max: 15.69
New arco
Min: 2 / Avg: 2 / Max: 2
3800X2
Min: 1.96 / Avg: 1.96 / Max: 1.96
20
40
60
80
100

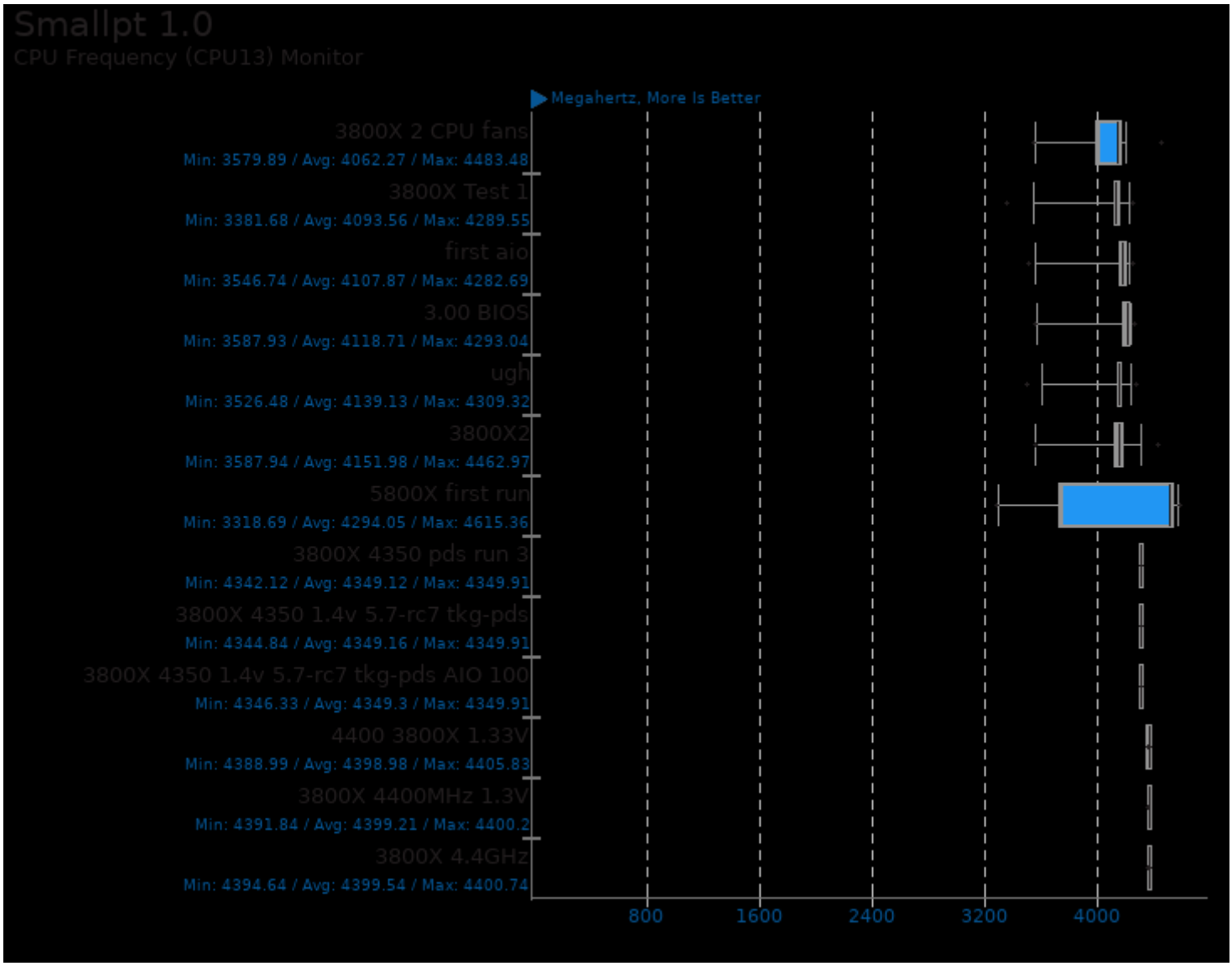
smallpt1


Smallpt 1.0
CPU Voltage Monitor
Volts, Fewer Is Better
3600X PBO 2 3200MHz RAM
Min: 1.34 / Avg: 251.02 / Max: 1000
3600x pbo1
Min: 1.01 / Avg: 235.42 / Max: 1000
3600X X570 Taich
Min: 1.01 / Avg: 141.76 / Max: 1000
3800X2
Min: 1.3 / Avg: 89.96 / Max: 981
3600X 4250MHz 5.7-rc4-tkg
Min: 1.39 / Avg: 1.4 / Max: 1.43
3.00 BIOS
Min: 1.31 / Avg: 1.37 / Max: 1.46
arcoPBO
Min: 1.34 / Avg: 1.37 / Max: 1.49
5.6-tkg-acpi-pbo
Min: 1.32 / Avg: 1.36 / Max: 1.44
4100-5.6
Min: 1.34 / Avg: 1.35 / Max: 1.39
4150
Min: 1.34 / Avg: 1.35 / Max: 1.39
ArcoLinux 4100
Min: 1.34 / Avg: 1.35 / Max: 1.38
Arco4100
Min: 1.34 / Avg: 1.35 / Max: 1.38
5.6-tkg-pds-acpi
Min: 1.34 / Avg: 1.35 / Max: 1.38
5.6-tkg-acpi-nmon
Min: 1.34 / Avg: 1.35 / Max: 1.38
noacpi-5.6
Min: 1.34 / Avg: 1.35 / Max: 1.38
fancontrol
Min: 1.34 / Avg: 1.35 / Max: 1.38
arco4075
Min: 1.34 / Avg: 1.35 / Max: 1.38
New arco
Min: 1.33 / Avg: 1.35 / Max: 1.38
5.6
Min: 1.33 / Avg: 1.35 / Max: 1.38
3600X Zenstates
Min: 1.3 / Avg: 1.34 / Max: 1.45
ArcoLinux
Min: 1.31 / Avg: 1.33 / Max: 1.36
4250 1.3
Min: 1.26 / Avg: 1.27 / Max: 1.29
200
400
600
800
1000

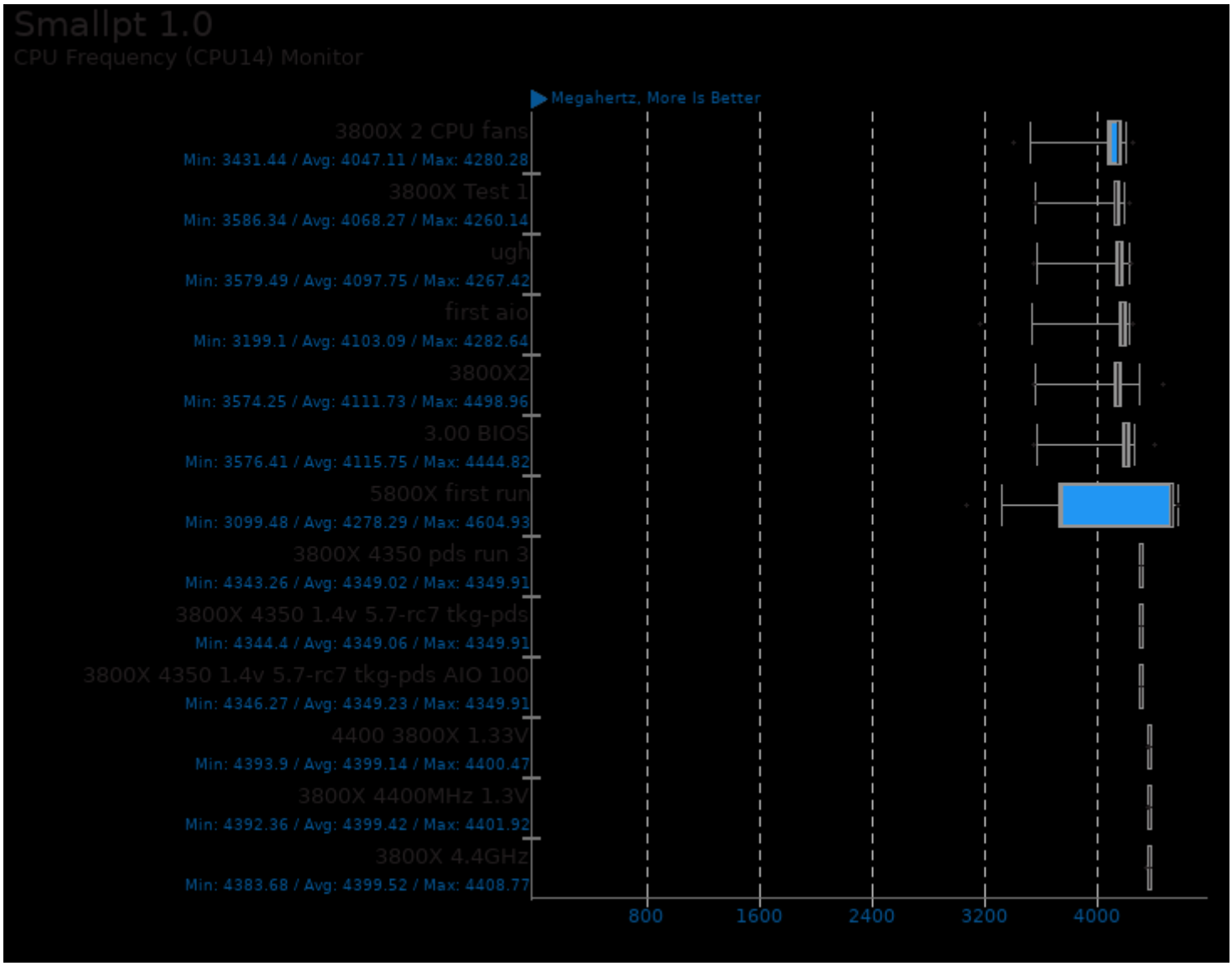
smallpt1


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

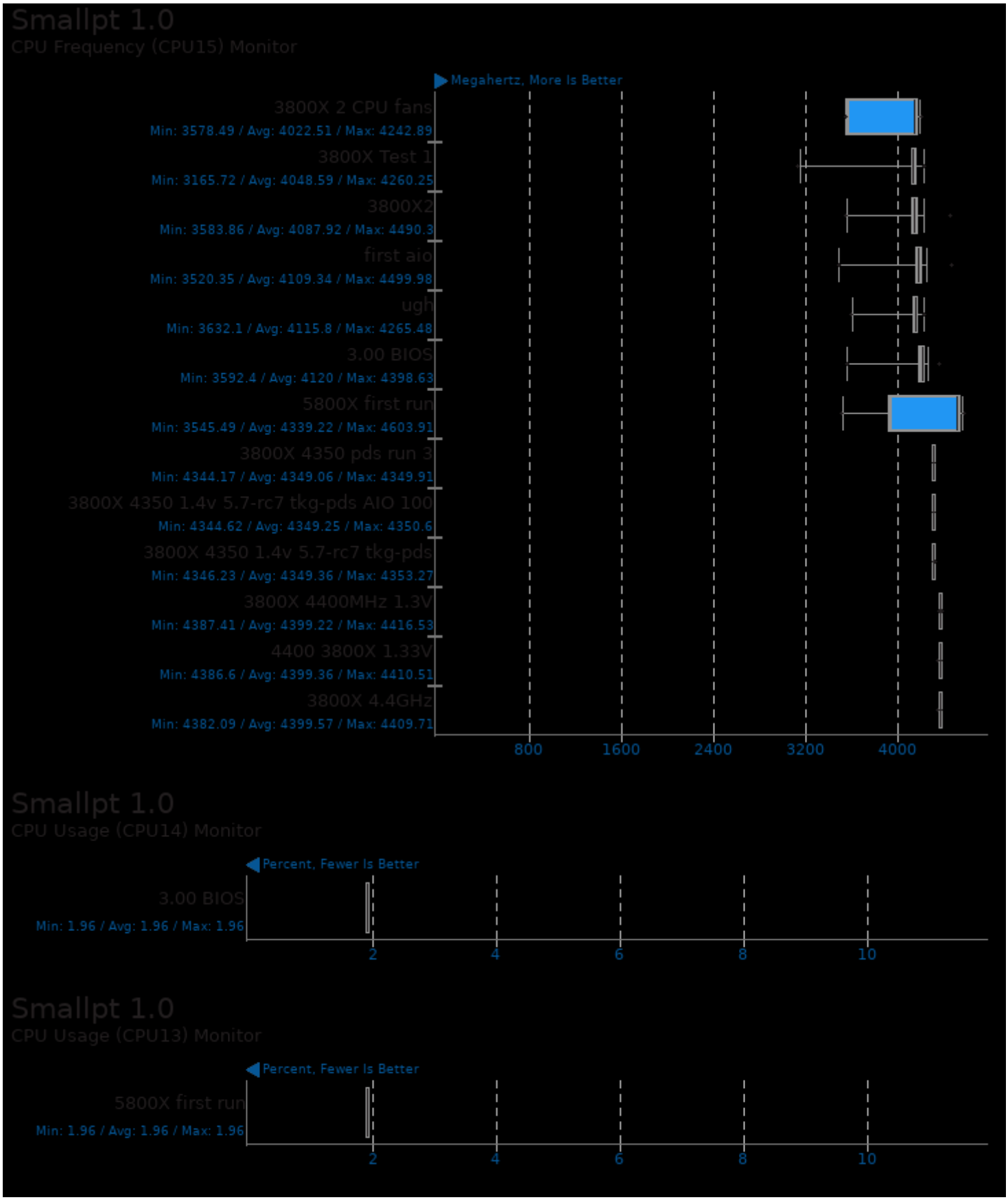
smallpt1


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

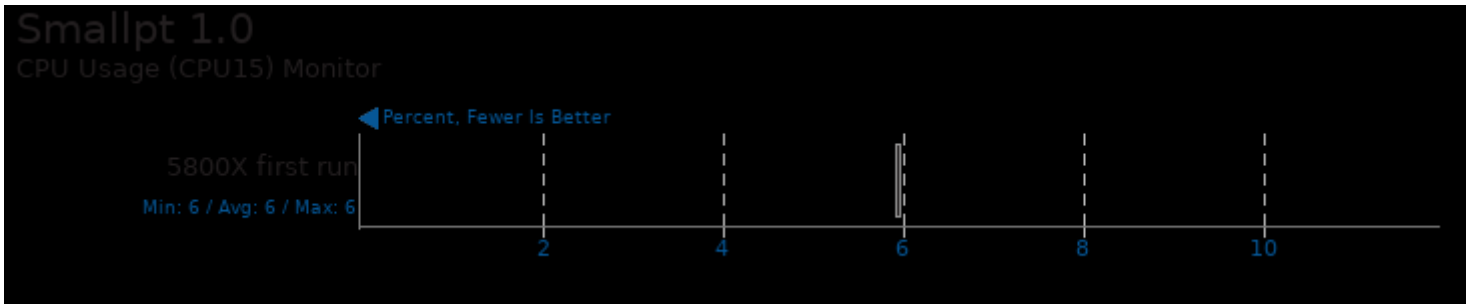
smallpt1


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

smallpt1


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

smallpt1



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 03:03.