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smallpt1

AMD Ryzen 5 3600X 6-Core testing with a ASRock B450M/ac (P1.70 BIOS) and Sapphire AMD Radeon RX 5600 OEM/5600 XT / 5700/5700 6GB on ArcoLinuxB-plasma v20.4.10 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

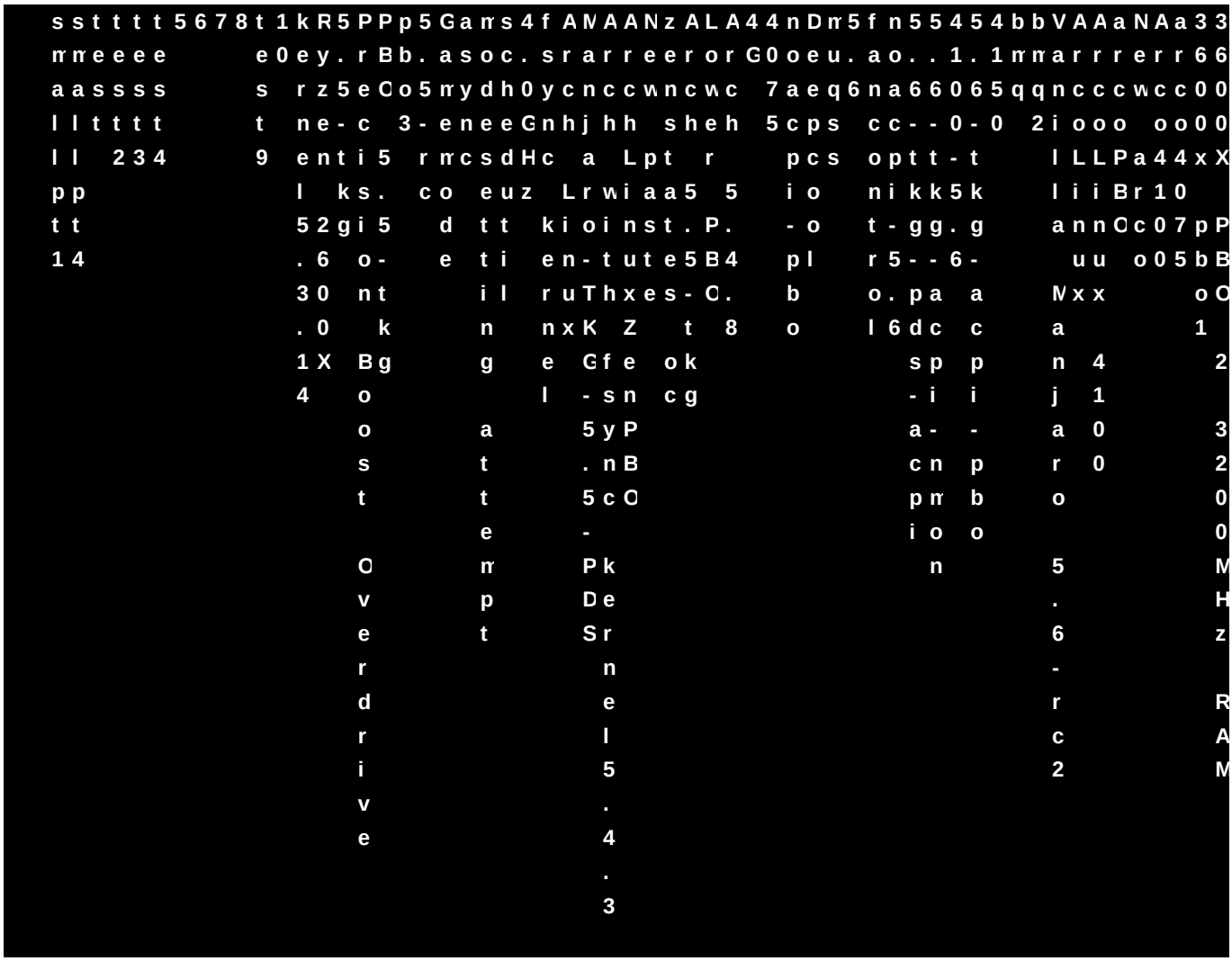
3600X PBO 2 3200MHz RAM

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

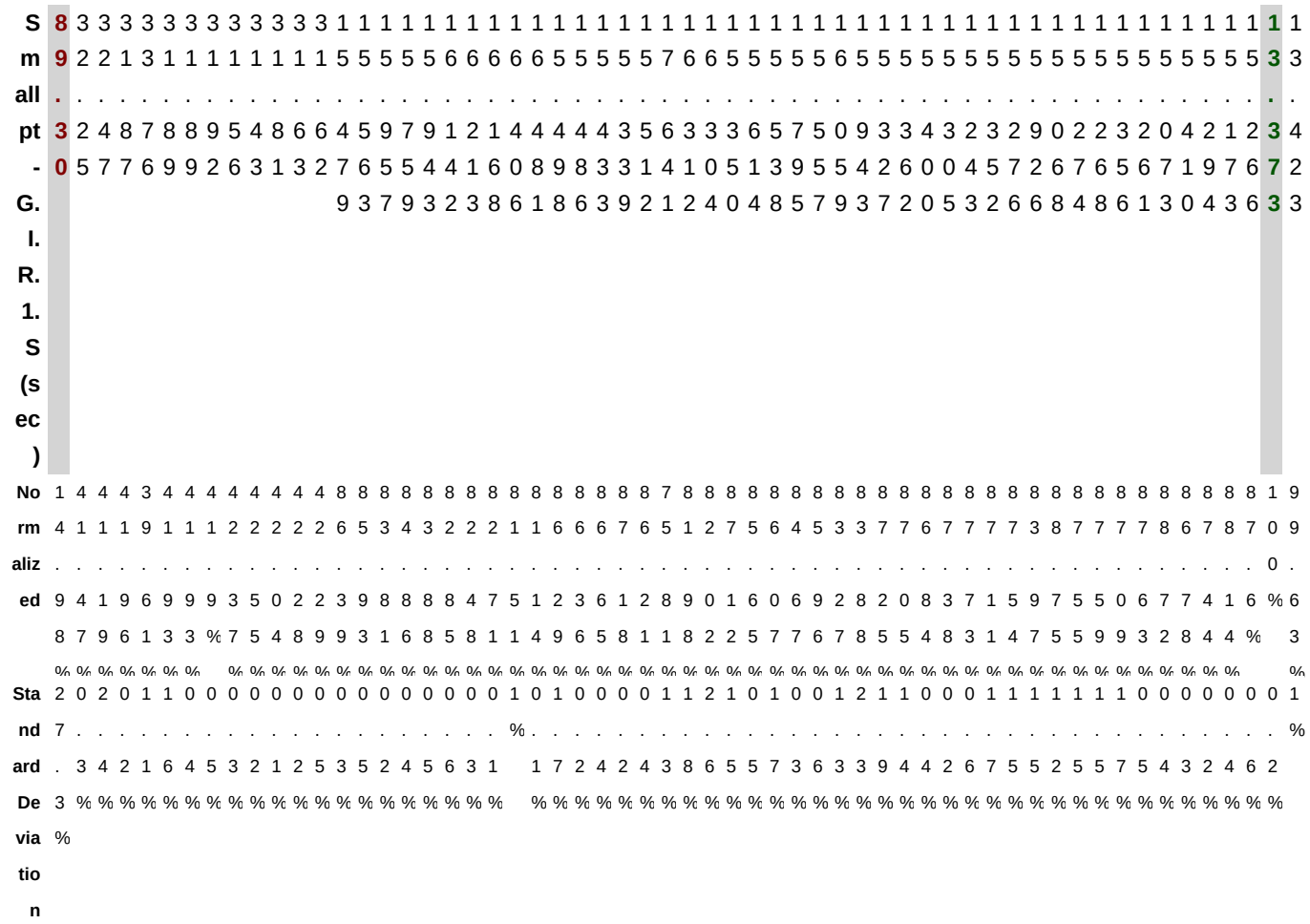
smallpt1

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

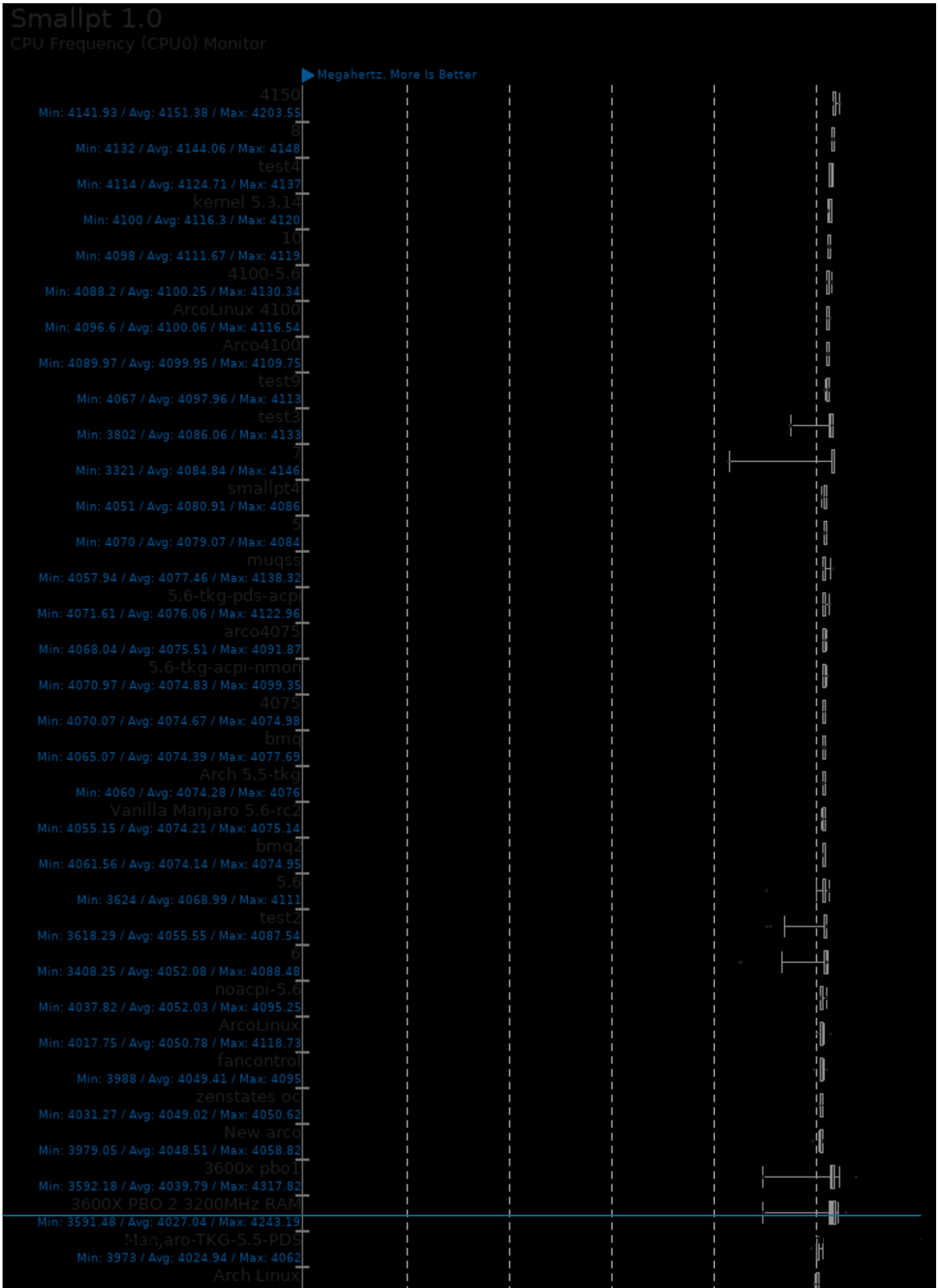

Overdrive

smallpt1

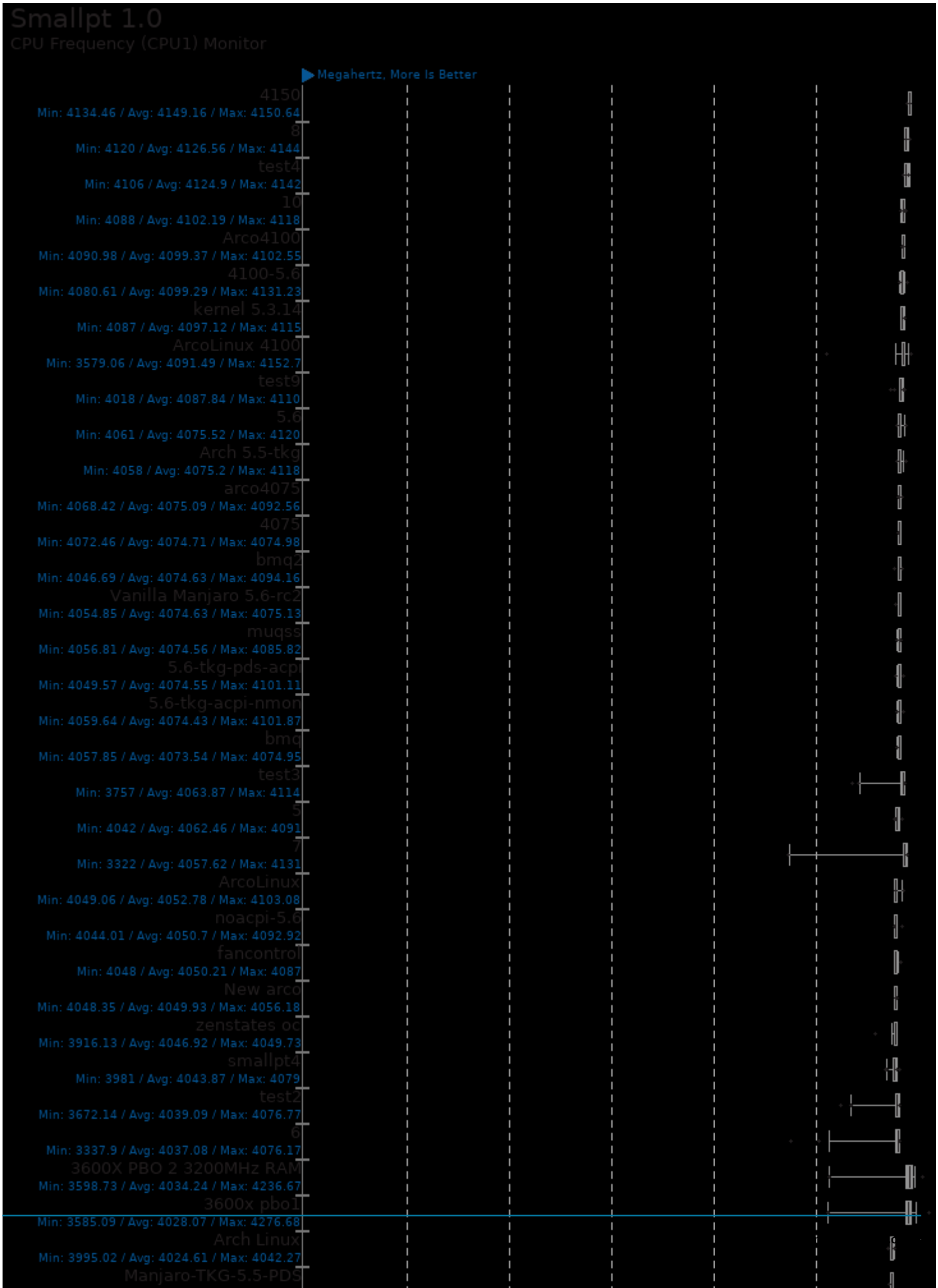


smallpt1

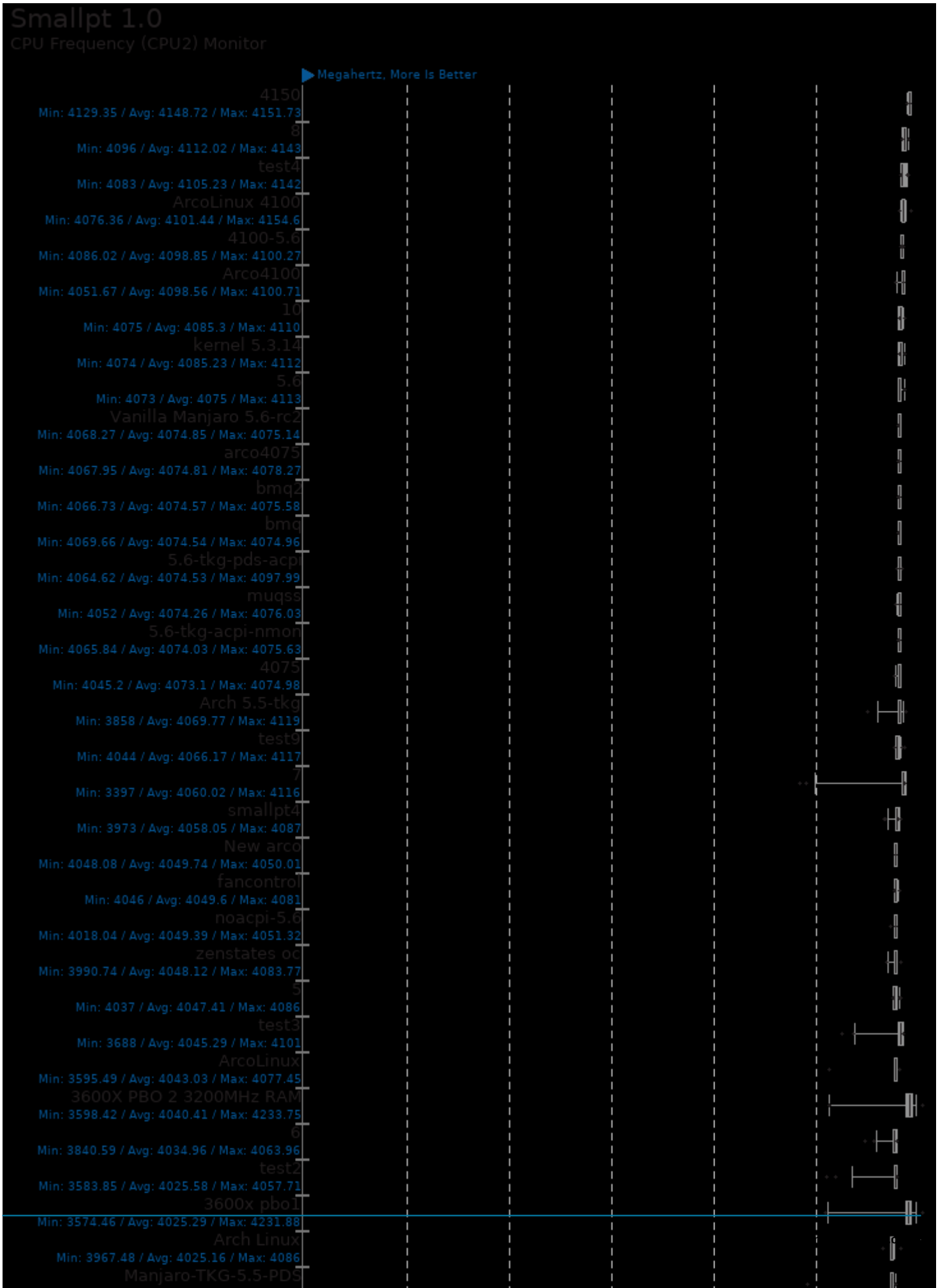
smallpt1


Smallpt 1.0
CPU Frequency (CPU0) Monitor
Megahertz, More Is Better
4150
Min: 4141.93 / Avg: 4151.38 / Max: 4203.55
8
Min: 4132 / Avg: 4144.06 / Max: 4148
test4
Min: 4114 / Avg: 4124.71 / Max: 4137
kernel 5.3.14
Min: 4100 / Avg: 4116.3 / Max: 4120
10
Min: 4098 / Avg: 4111.67 / Max: 4119
4100-5.6
Min: 4088.2 / Avg: 4100.25 / Max: 4130.34
ArcoLinux 4100
Min: 4096.6 / Avg: 4100.06 / Max: 4116.54
Arco4100
Min: 4089.97 / Avg: 4099.95 / Max: 4109.75
test9
Min: 4067 / Avg: 4097.96 / Max: 4113
test3
Min: 3802 / Avg: 4086.06 / Max: 4133
7
Min: 3321 / Avg: 4084.84 / Max: 4146
smallpt4
Min: 4051 / Avg: 4080.91 / Max: 4086
3
Min: 4070 / Avg: 4079.07 / Max: 4084
muqss
Min: 4057.94 / Avg: 4077.46 / Max: 4138.32
5.6-tkg-pds-acpi
Min: 4071.61 / Avg: 4076.06 / Max: 4122.96
arco4075
Min: 4068.04 / Avg: 4075.51 / Max: 4091.87
5.6-tkg-acpi-nmon
Min: 4070.97 / Avg: 4074.83 / Max: 4099.35
4075
Min: 4070.07 / Avg: 4074.67 / Max: 4074.98
bmq
Min: 4065.07 / Avg: 4074.39 / Max: 4077.69
Arch 5.5-tkg
Min: 4060 / Avg: 4074.28 / Max: 4076
Vanilla Manjaro 5.6-rc2
Min: 4055.15 / Avg: 4074.21 / Max: 4075.14
bmq2
Min: 4061.56 / Avg: 4074.14 / Max: 4074.95
5.6
Min: 3624 / Avg: 4068.99 / Max: 4111
test2
Min: 3618.29 / Avg: 4055.55 / Max: 4087.54
6
Min: 3408.25 / Avg: 4052.08 / Max: 4088.48
noacpi-5.6
Min: 4037.82 / Avg: 4052.03 / Max: 4095.25
ArcoLinux
Min: 4017.75 / Avg: 4050.78 / Max: 4118.73
fancontrol
Min: 3988 / Avg: 4049.41 / Max: 4095
zenstates oc
Min: 4031.27 / Avg: 4049.02 / Max: 4050.62
New arco
Min: 3979.05 / Avg: 4048.51 / Max: 4058.82
3600x pbo1
Min: 3592.18 / Avg: 4039.79 / Max: 4317.82
3600X PBO 2 3200MHz RAM
Min: 3591.48 / Avg: 4027.04 / Max: 4243.19
Manjaro-TKG-5.5-PDS
Min: 3973 / Avg: 4024.94 / Max: 4062
Arch Linux

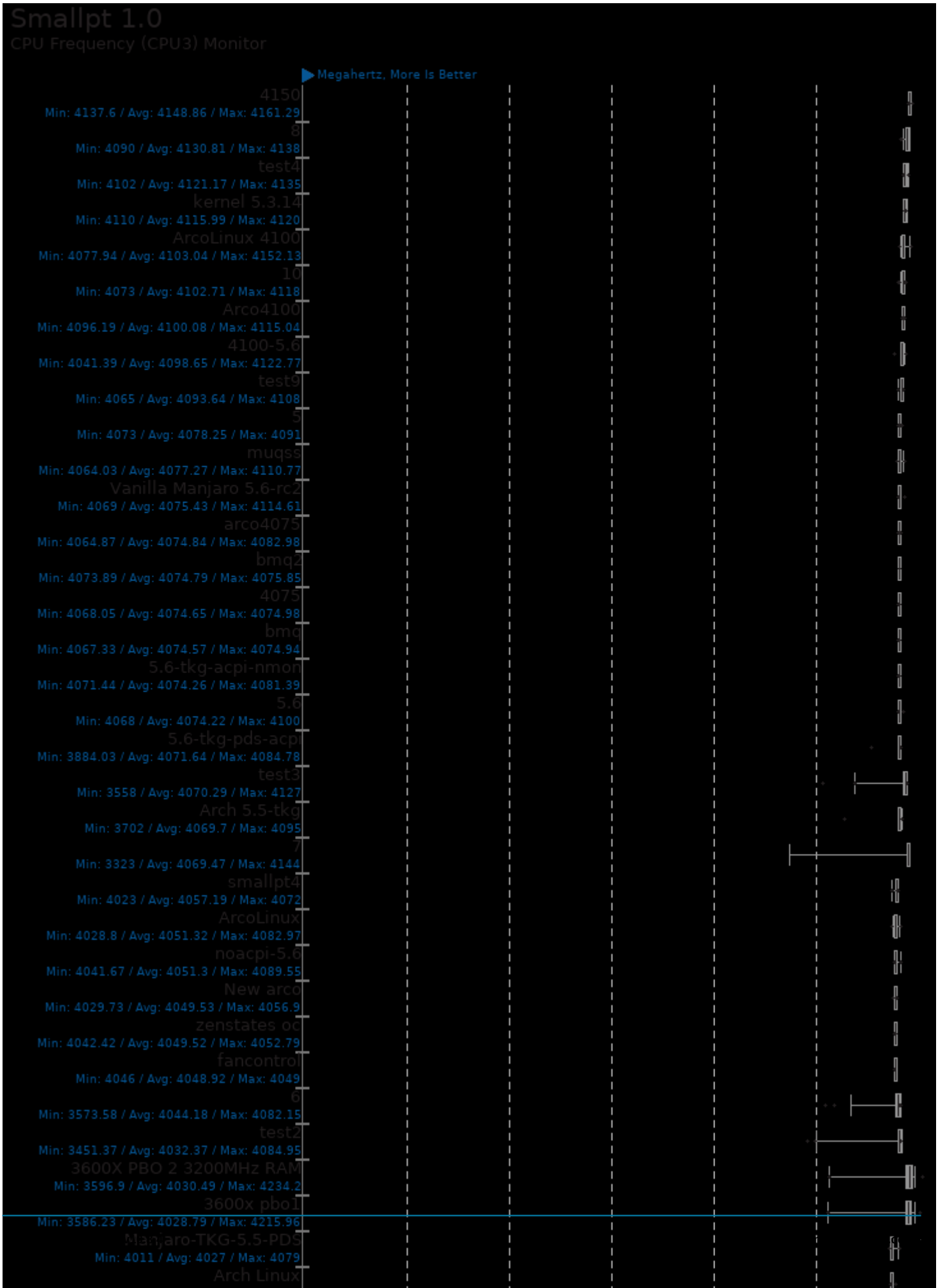
smallpt1


Smallpt 1.0
CPU Frequency (CPU1) Monitor
Megahertz, More Is Better
4150
Min: 4134.46 / Avg: 4149.16 / Max: 4150.64
8
Min: 4120 / Avg: 4126.56 / Max: 4144
test4
Min: 4106 / Avg: 4124.9 / Max: 4142
10
Min: 4088 / Avg: 4102.19 / Max: 4118
Arco4100
Min: 4090.98 / Avg: 4099.37 / Max: 4102.55
4100-5.6
Min: 4080.61 / Avg: 4099.29 / Max: 4131.23
kernel 5.3.14
Min: 4087 / Avg: 4097.12 / Max: 4115
ArcoLinux 4100
Min: 3579.06 / Avg: 4091.49 / Max: 4152.7
test9
Min: 4018 / Avg: 4087.84 / Max: 4110
5.6
Min: 4061 / Avg: 4075.52 / Max: 4120
Arch 5.5-tkg
Min: 4058 / Avg: 4075.2 / Max: 4118
arco4075
Min: 4068.42 / Avg: 4075.09 / Max: 4092.56
4075
Min: 4072.46 / Avg: 4074.71 / Max: 4074.98
bmq2
Min: 4046.69 / Avg: 4074.63 / Max: 4094.16
Vanilla Manjaro 5.6-rc2
Min: 4054.85 / Avg: 4074.63 / Max: 4075.13
muqss
Min: 4056.81 / Avg: 4074.56 / Max: 4085.82
5.6-tkg-pds-acpi
Min: 4049.57 / Avg: 4074.55 / Max: 4101.11
5.6-tkg-acpi-nmon
Min: 4059.64 / Avg: 4074.43 / Max: 4101.87
bmq
Min: 4057.85 / Avg: 4073.54 / Max: 4074.95
test3
Min: 3757 / Avg: 4063.87 / Max: 4114
3
Min: 4042 / Avg: 4062.46 / Max: 4091
7
Min: 3322 / Avg: 4057.62 / Max: 4131
ArcoLinux
Min: 4049.06 / Avg: 4052.78 / Max: 4103.08
noacpi-5.6
Min: 4044.01 / Avg: 4050.7 / Max: 4092.92
fancontrol
Min: 4048 / Avg: 4050.21 / Max: 4087
New arco
Min: 4048.35 / Avg: 4049.93 / Max: 4056.18
zenstates oc
Min: 3916.13 / Avg: 4046.92 / Max: 4049.73
smallpt4
Min: 3981 / Avg: 4043.87 / Max: 4079
test2
Min: 3672.14 / Avg: 4039.09 / Max: 4076.77
6
Min: 3337.9 / Avg: 4037.08 / Max: 4076.17
3600X PBO 2 3200MHz RAM
Min: 3598.73 / Avg: 4034.24 / Max: 4236.67
3600x pbo1
Min: 3585.09 / Avg: 4028.07 / Max: 4276.68
Arch Linux
Min: 3995.02 / Avg: 4024.61 / Max: 4042.27
Manjaro-TKG-5.5-PDS

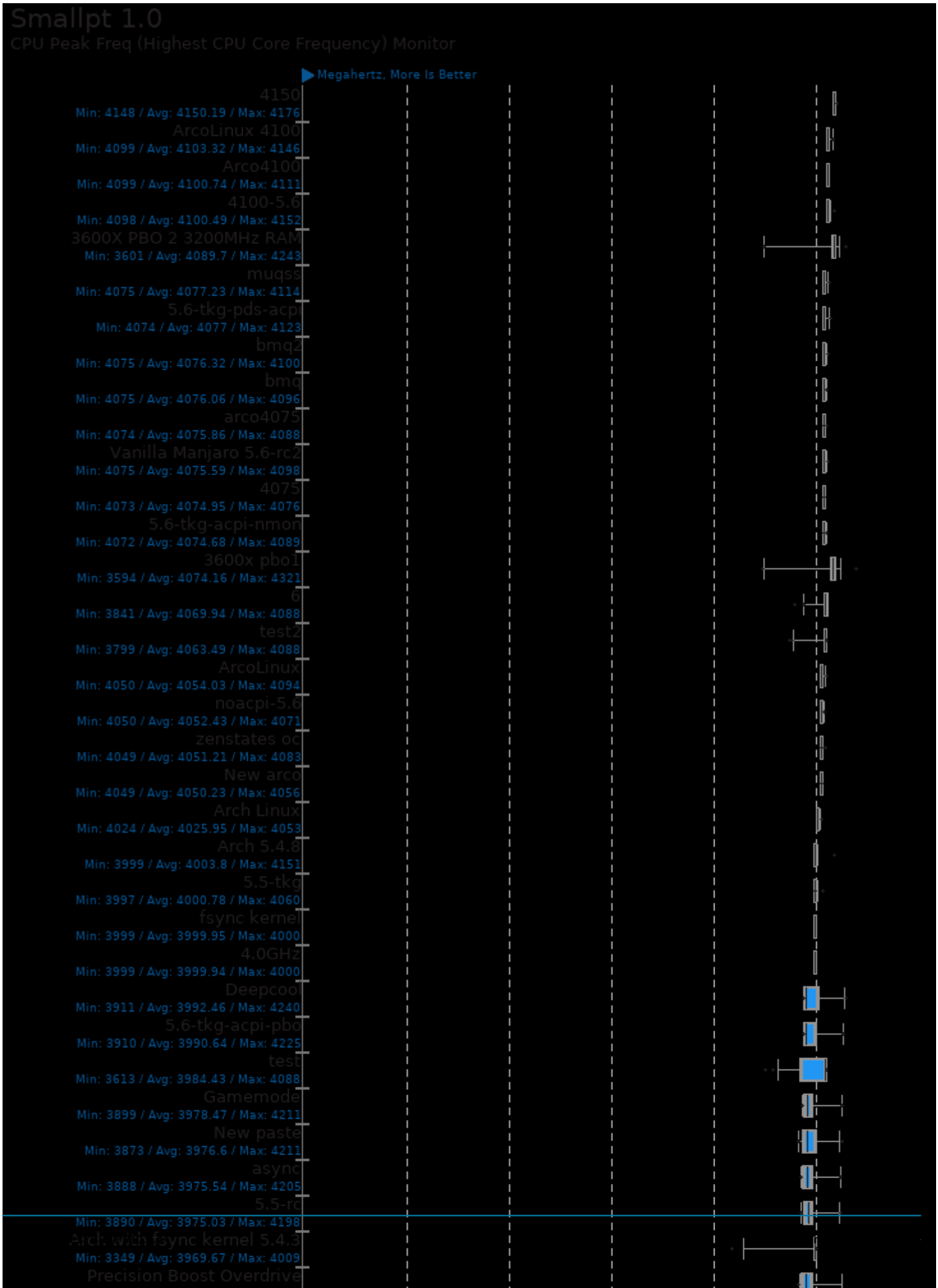
smallpt1


Smallpt 1.0
CPU Frequency (CPU2) Monitor
Megahertz, More Is Better
4150
Min: 4129.35 / Avg: 4148.72 / Max: 4151.73
8
Min: 4096 / Avg: 4112.02 / Max: 4143
test4
Min: 4083 / Avg: 4105.23 / Max: 4142
ArcoLinux 4100
Min: 4076.36 / Avg: 4101.44 / Max: 4154.6
4100-5.6
Min: 4086.02 / Avg: 4098.85 / Max: 4100.27
Arco4100
Min: 4051.67 / Avg: 4098.56 / Max: 4100.71
10
Min: 4075 / Avg: 4085.3 / Max: 4110
kernel 5.3.14
Min: 4074 / Avg: 4085.23 / Max: 4112
5.6
Min: 4073 / Avg: 4075 / Max: 4113
Vanilla Manjaro 5.6-rc2
Min: 4068.27 / Avg: 4074.85 / Max: 4075.14
arco4075
Min: 4067.95 / Avg: 4074.81 / Max: 4078.27
bmq2
Min: 4066.73 / Avg: 4074.57 / Max: 4075.58
bmq
Min: 4069.66 / Avg: 4074.54 / Max: 4074.96
5.6-tkg-pds-acpi
Min: 4064.62 / Avg: 4074.53 / Max: 4097.99
muqss
Min: 4052 / Avg: 4074.26 / Max: 4076.03
5.6-tkg-acpi-nmon
Min: 4065.84 / Avg: 4074.03 / Max: 4075.63
4075
Min: 4045.2 / Avg: 4073.1 / Max: 4074.98
Arch 5.5-tkg
Min: 3858 / Avg: 4069.77 / Max: 4119
test9
Min: 4044 / Avg: 4066.17 / Max: 4117
7
Min: 3397 / Avg: 4060.02 / Max: 4116
smallpt4
Min: 3973 / Avg: 4058.05 / Max: 4087
New arco
Min: 4048.08 / Avg: 4049.74 / Max: 4050.01
fancontrol
Min: 4046 / Avg: 4049.6 / Max: 4081
noacpi-5.6
Min: 4018.04 / Avg: 4049.39 / Max: 4051.32
zenstates oc
Min: 3990.74 / Avg: 4048.12 / Max: 4083.77
3
Min: 4037 / Avg: 4047.41 / Max: 4086
test3
Min: 3688 / Avg: 4045.29 / Max: 4101
ArcoLinux
Min: 3595.49 / Avg: 4043.03 / Max: 4077.45
3600X PBO 2 3200MHz RAM
Min: 3598.42 / Avg: 4040.41 / Max: 4233.75
6
Min: 3840.59 / Avg: 4034.96 / Max: 4063.96
test2
Min: 3583.85 / Avg: 4025.58 / Max: 4057.71
3600x pbo1
Min: 3574.46 / Avg: 4025.29 / Max: 4231.88
Arch Linux
Min: 3967.48 / Avg: 4025.16 / Max: 4086
Manjaro-TKG-5.5-PDS

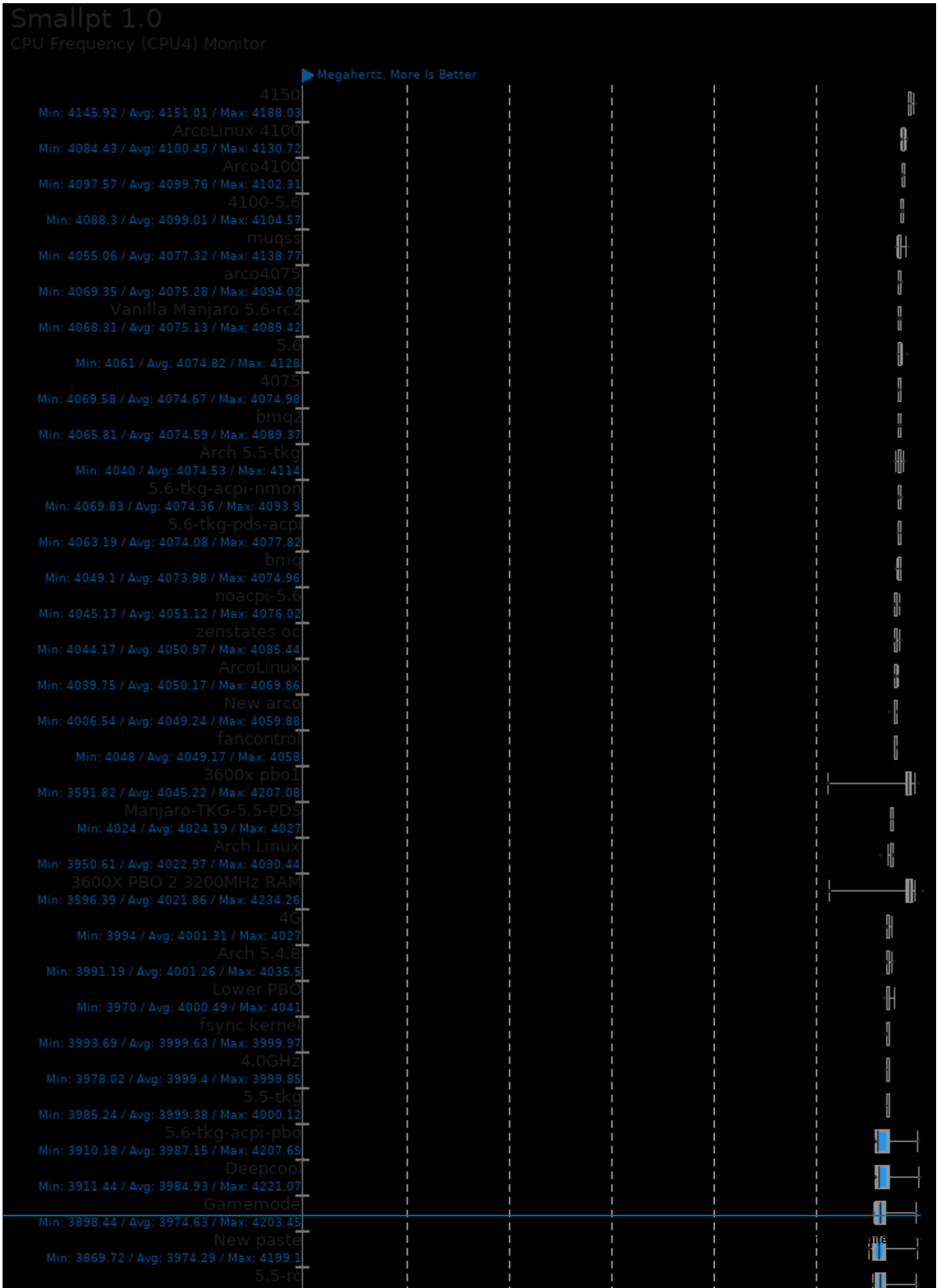
smallpt1


Smallpt 1.0
CPU Frequency (CPU3) Monitor
Megahertz, More Is Better
4150
Min: 4137.6 / Avg: 4148.86 / Max: 4161.29
8
Min: 4090 / Avg: 4130.81 / Max: 4138
test4
Min: 4102 / Avg: 4121.17 / Max: 4135
kernel 5.3.14
Min: 4110 / Avg: 4115.99 / Max: 4120
ArcoLinux 4100
Min: 4077.94 / Avg: 4103.04 / Max: 4152.13
10
Min: 4073 / Avg: 4102.71 / Max: 4118
Arco4100
Min: 4096.19 / Avg: 4100.08 / Max: 4115.04
4100-5.6
Min: 4041.39 / Avg: 4098.65 / Max: 4122.77
test9
Min: 4065 / Avg: 4093.64 / Max: 4108
3
Min: 4073 / Avg: 4078.25 / Max: 4091
muqss
Min: 4064.03 / Avg: 4077.27 / Max: 4110.77
Vanilla Manjaro 5.6-rc2
Min: 4069 / Avg: 4075.43 / Max: 4114.61
arco4075
Min: 4064.87 / Avg: 4074.84 / Max: 4082.98
bmq2
Min: 4073.89 / Avg: 4074.79 / Max: 4075.85
4075
Min: 4068.05 / Avg: 4074.65 / Max: 4074.98
bmq
Min: 4067.33 / Avg: 4074.57 / Max: 4074.94
5.6-tkg-acpi-nmon
Min: 4071.44 / Avg: 4074.26 / Max: 4081.39
5.6
Min: 4068 / Avg: 4074.22 / Max: 4100
5.6-tkg-pds-acpi
Min: 3884.03 / Avg: 4071.64 / Max: 4084.78
test3
Min: 3558 / Avg: 4070.29 / Max: 4127
Arch 5.5-tkg
Min: 3702 / Avg: 4069.7 / Max: 4095
7
Min: 3323 / Avg: 4069.47 / Max: 4144
smallpt4
Min: 4023 / Avg: 4057.19 / Max: 4072
ArcoLinux
Min: 4028.8 / Avg: 4051.32 / Max: 4082.97
noacpi-5.6
Min: 4041.67 / Avg: 4051.3 / Max: 4089.55
New arco
Min: 4029.73 / Avg: 4049.53 / Max: 4056.9
zenstates oc
Min: 4042.42 / Avg: 4049.52 / Max: 4052.79
fancontrol
Min: 4046 / Avg: 4048.92 / Max: 4049
6
Min: 3573.58 / Avg: 4044.18 / Max: 4082.15
test2
Min: 3451.37 / Avg: 4032.37 / Max: 4084.95
3600X PBO 2 3200MHz RAM
Min: 3596.9 / Avg: 4030.49 / Max: 4234.2
3600x pbo1
Min: 3586.23 / Avg: 4028.79 / Max: 4215.96
Manjaro-TKG-5.5-PDS
Min: 4011 / Avg: 4027 / Max: 4079
Arch Linux

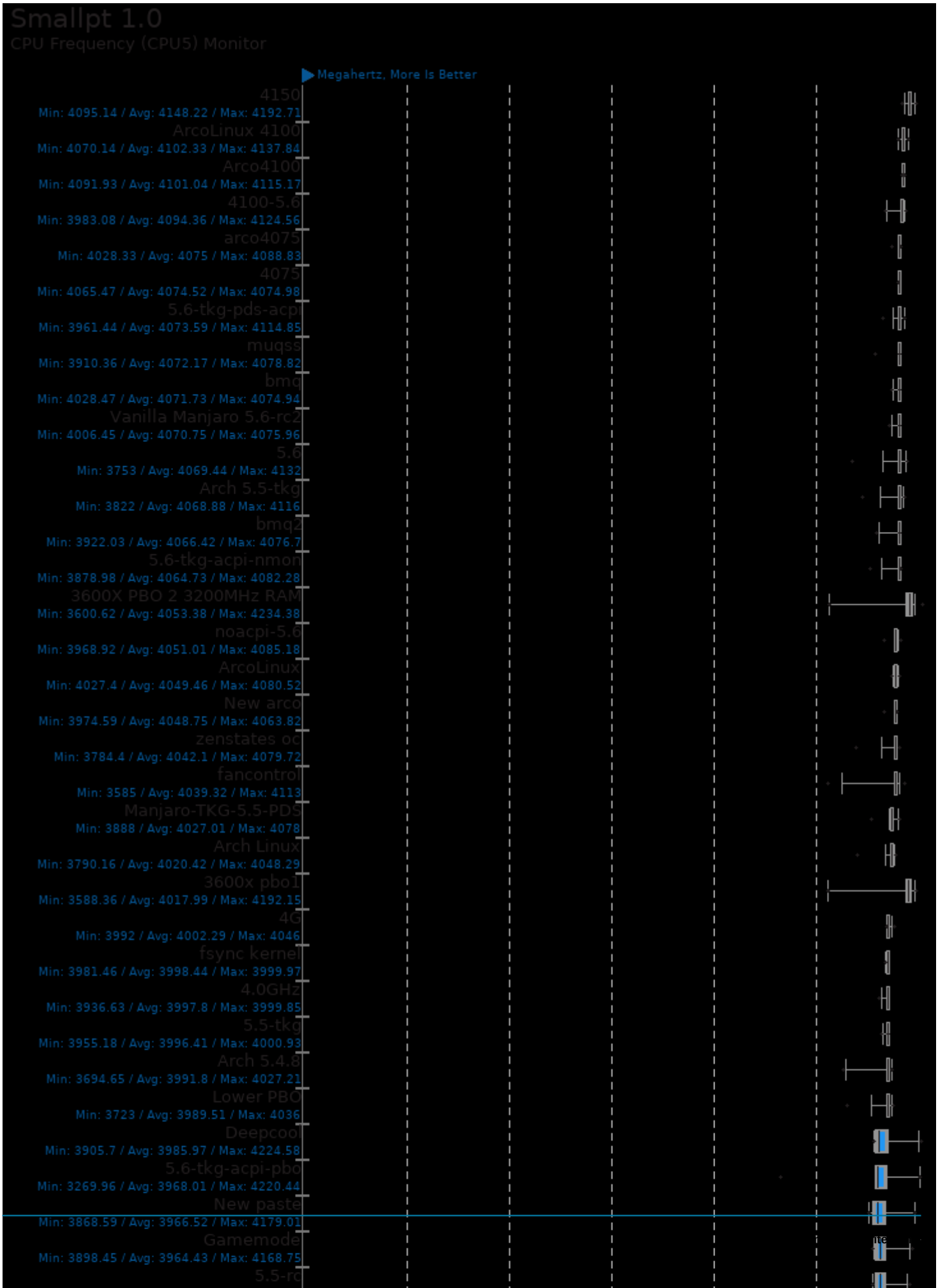
smallpt1


Smallpt 1.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Megahertz, More Is Better
4150
Min: 4148 / Avg: 4150.19 / Max: 4176
ArcoLinux 4100
Min: 4099 / Avg: 4103.32 / Max: 4146
Arco4100
Min: 4099 / Avg: 4100.74 / Max: 4111
4100-5.6
Min: 4098 / Avg: 4100.49 / Max: 4152
3600X PBO 2 3200MHz RAM
Min: 3601 / Avg: 4089.7 / Max: 4243
muqss
Min: 4075 / Avg: 4077.23 / Max: 4114
5.6-tkg-pds-acpi
Min: 4074 / Avg: 4077 / Max: 4123
bmq2
Min: 4075 / Avg: 4076.32 / Max: 4100
bmq
Min: 4075 / Avg: 4076.06 / Max: 4096
arco4075
Min: 4074 / Avg: 4075.86 / Max: 4088
Vanilla Manjaro 5.6-rc2
Min: 4075 / Avg: 4075.59 / Max: 4098
4075
Min: 4073 / Avg: 4074.95 / Max: 4076
5.6-tkg-acpi-nmon
Min: 4072 / Avg: 4074.68 / Max: 4089
3600x pbo1
Min: 3594 / Avg: 4074.16 / Max: 4321
6
Min: 3841 / Avg: 4069.94 / Max: 4088
test2
Min: 3799 / Avg: 4063.49 / Max: 4088
ArcoLinux
Min: 4050 / Avg: 4054.03 / Max: 4094
noacpi-5.6
Min: 4050 / Avg: 4052.43 / Max: 4071
zenstates oc
Min: 4049 / Avg: 4051.21 / Max: 4083
New arco
Min: 4049 / Avg: 4050.23 / Max: 4056
Arch Linux
Min: 4024 / Avg: 4025.95 / Max: 4053
Arch 5.4.8
Min: 3999 / Avg: 4003.8 / Max: 4151
5.5-tkg
Min: 3997 / Avg: 4000.78 / Max: 4060
fsync kernel
Min: 3999 / Avg: 3999.95 / Max: 4000
4.0GHz
Min: 3999 / Avg: 3999.94 / Max: 4000
Deepcool
Min: 3911 / Avg: 3992.46 / Max: 4240
5.6-tkg-acpi-pbo
Min: 3910 / Avg: 3990.64 / Max: 4225
test
Min: 3613 / Avg: 3984.43 / Max: 4088
Gamemode
Min: 3899 / Avg: 3978.47 / Max: 4211
New paste
Min: 3873 / Avg: 3976.6 / Max: 4211
async
Min: 3888 / Avg: 3975.54 / Max: 4205
5.5-rc
Min: 3890 / Avg: 3975.03 / Max: 4198
Arch with fsync kernel 5.4.3
Min: 3349 / Avg: 3969.67 / Max: 4009
Precision Boost Overdrive

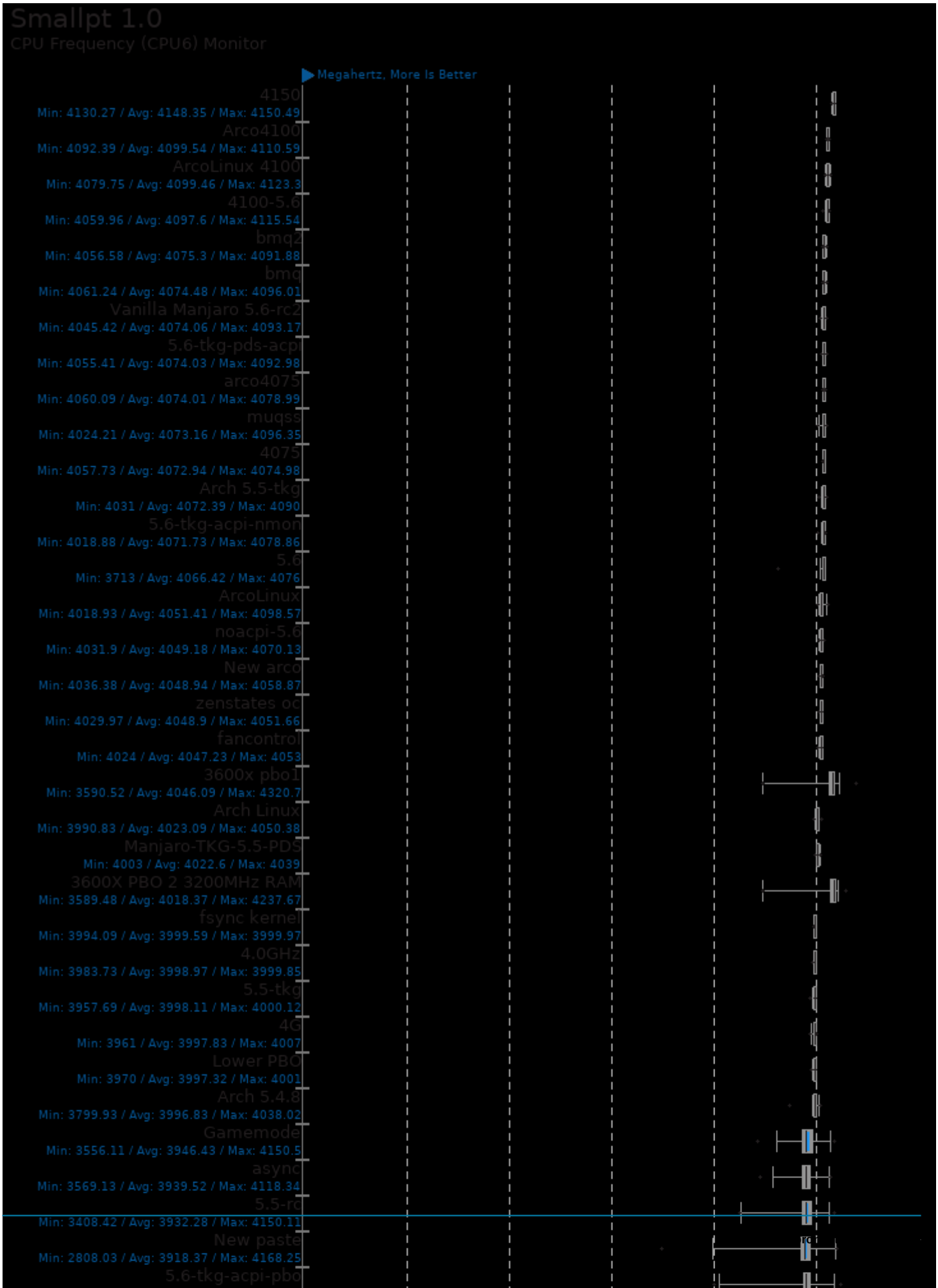
smallpt1


Smallpt 1.0
CPU Frequency (CPU4) Monitor
Megahertz, More Is Better
4150
Min: 4145.92 / Avg: 4151.01 / Max: 4188.03
ArcoLinux 4100
Min: 4084.43 / Avg: 4100.45 / Max: 4130.72
Arco4100
Min: 4097.57 / Avg: 4099.76 / Max: 4102.31
4100-5.6
Min: 4088.3 / Avg: 4099.01 / Max: 4104.57
muqss
Min: 4055.06 / Avg: 4077.32 / Max: 4138.77
arco4075
Min: 4069.35 / Avg: 4075.28 / Max: 4094.02
Vanilla Manjaro 5.6-rc2
Min: 4068.31 / Avg: 4075.13 / Max: 4089.42
5.6
Min: 4061 / Avg: 4074.82 / Max: 4128
4075
Min: 4069.58 / Avg: 4074.67 / Max: 4074.98
bmq2
Min: 4065.81 / Avg: 4074.59 / Max: 4089.37
Arch 5.5-tkg
Min: 4040 / Avg: 4074.53 / Max: 4114
5.6-tkg-acpi-nmon
Min: 4069.83 / Avg: 4074.36 / Max: 4093.9
5.6-tkg-pds-acpi
Min: 4063.19 / Avg: 4074.08 / Max: 4077.82
bmq
Min: 4049.1 / Avg: 4073.98 / Max: 4074.96
noacpi-5.6
Min: 4045.17 / Avg: 4051.12 / Max: 4076.02
zenstates oc
Min: 4044.17 / Avg: 4050.97 / Max: 4085.44
ArcoLinux
Min: 4039.75 / Avg: 4050.17 / Max: 4069.86
New arco
Min: 4006.54 / Avg: 4049.24 / Max: 4059.88
fancontrol
Min: 4048 / Avg: 4049.17 / Max: 4058
3600x pbo1
Min: 3591.82 / Avg: 4045.22 / Max: 4207.08
Manjaro-TKG-5.5-PDS
Min: 4024 / Avg: 4024.19 / Max: 4027
Arch Linux
Min: 3950.61 / Avg: 4022.97 / Max: 4030.44
3600X PBO 2 3200MHz RAM
Min: 3596.39 / Avg: 4021.86 / Max: 4234.26
4G
Min: 3994 / Avg: 4001.31 / Max: 4027
Arch 5.4.8
Min: 3991.19 / Avg: 4001.26 / Max: 4035.5
Lower PBO
Min: 3970 / Avg: 4000.49 / Max: 4041
fsync kernel
Min: 3993.69 / Avg: 3999.63 / Max: 3999.97
4.0GHz
Min: 3978.02 / Avg: 3999.4 / Max: 3999.85
5.5-tkg
Min: 3985.24 / Avg: 3999.38 / Max: 4000.12
5.6-tkg-acpi-pbo
Min: 3910.18 / Avg: 3987.15 / Max: 4207.65
Deepcool
Min: 3911.44 / Avg: 3984.93 / Max: 4221.07
Gamemode
Min: 3898.44 / Avg: 3974.63 / Max: 4203.45
New paste
Min: 3869.72 / Avg: 3974.29 / Max: 4199.1
5.5-rc

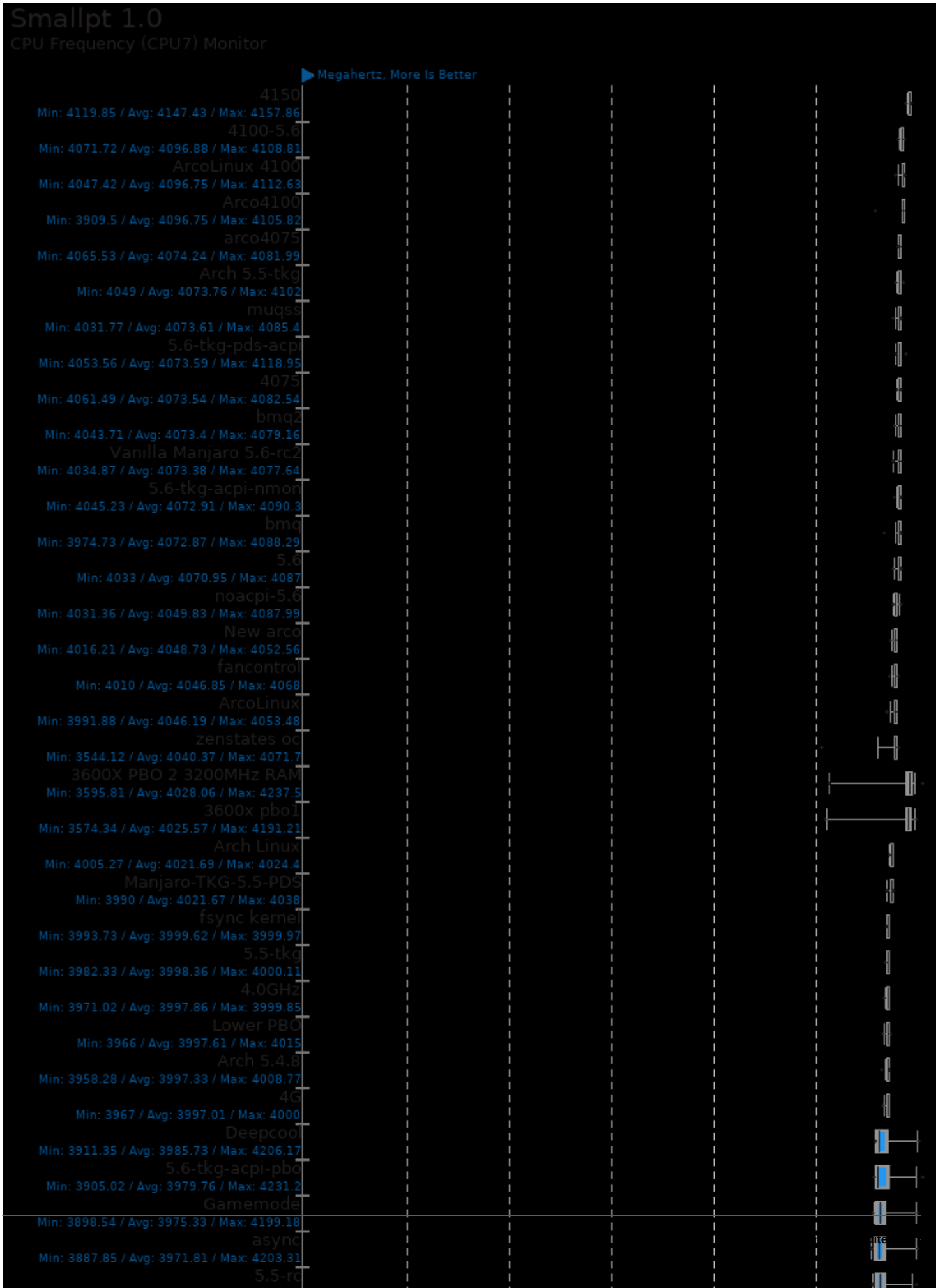
smallpt1


Smallpt 1.0
CPU Frequency (CPU5) Monitor
Megahertz, More Is Better
4150
Min: 4095.14 / Avg: 4148.22 / Max: 4192.71
ArcoLinux 4100
Min: 4070.14 / Avg: 4102.33 / Max: 4137.84
Arco4100
Min: 4091.93 / Avg: 4101.04 / Max: 4115.17
4100-5.6
Min: 3983.08 / Avg: 4094.36 / Max: 4124.56
arco4075
Min: 4028.33 / Avg: 4075 / Max: 4088.83
4075
Min: 4065.47 / Avg: 4074.52 / Max: 4074.98
5.6-tkg-pds-acpi
Min: 3961.44 / Avg: 4073.59 / Max: 4114.85
muqss
Min: 3910.36 / Avg: 4072.17 / Max: 4078.82
bmq
Min: 4028.47 / Avg: 4071.73 / Max: 4074.94
Vanilla Manjaro 5.6-rc2
Min: 4006.45 / Avg: 4070.75 / Max: 4075.96
5.6
Min: 3753 / Avg: 4069.44 / Max: 4132
Arch 5.5-tkg
Min: 3822 / Avg: 4068.88 / Max: 4116
bmq2
Min: 3922.03 / Avg: 4066.42 / Max: 4076.7
5.6-tkg-acpi-nmon
Min: 3878.98 / Avg: 4064.73 / Max: 4082.28
3600X PBO 2 3200MHz RAM
Min: 3600.62 / Avg: 4053.38 / Max: 4234.38
noacpi-5.6
Min: 3968.92 / Avg: 4051.01 / Max: 4085.18
ArcoLinux
Min: 4027.4 / Avg: 4049.46 / Max: 4080.52
New arco
Min: 3974.59 / Avg: 4048.75 / Max: 4063.82
zenstates oc
Min: 3784.4 / Avg: 4042.1 / Max: 4079.72
fancontrol
Min: 3585 / Avg: 4039.32 / Max: 4113
Manjaro-TKG-5.5-PDS
Min: 3888 / Avg: 4027.01 / Max: 4078
Arch Linux
Min: 3790.16 / Avg: 4020.42 / Max: 4048.29
3600x pbo1
Min: 3588.36 / Avg: 4017.99 / Max: 4192.15
4G
Min: 3992 / Avg: 4002.29 / Max: 4046
fsync kernel
Min: 3981.46 / Avg: 3998.44 / Max: 3999.97
4.0GHz
Min: 3936.63 / Avg: 3997.8 / Max: 3999.85
5.5-tkg
Min: 3955.18 / Avg: 3996.41 / Max: 4000.93
Arch 5.4.8
Min: 3694.65 / Avg: 3991.8 / Max: 4027.21
Lower PBO
Min: 3723 / Avg: 3989.51 / Max: 4036
Deepcool
Min: 3905.7 / Avg: 3985.97 / Max: 4224.58
5.6-tkg-acpi-pbo
Min: 3269.96 / Avg: 3968.01 / Max: 4220.44
New paste
Min: 3868.59 / Avg: 3966.52 / Max: 4179.01
Gamemode
Min: 3898.45 / Avg: 3964.43 / Max: 4168.75
5.5-rc

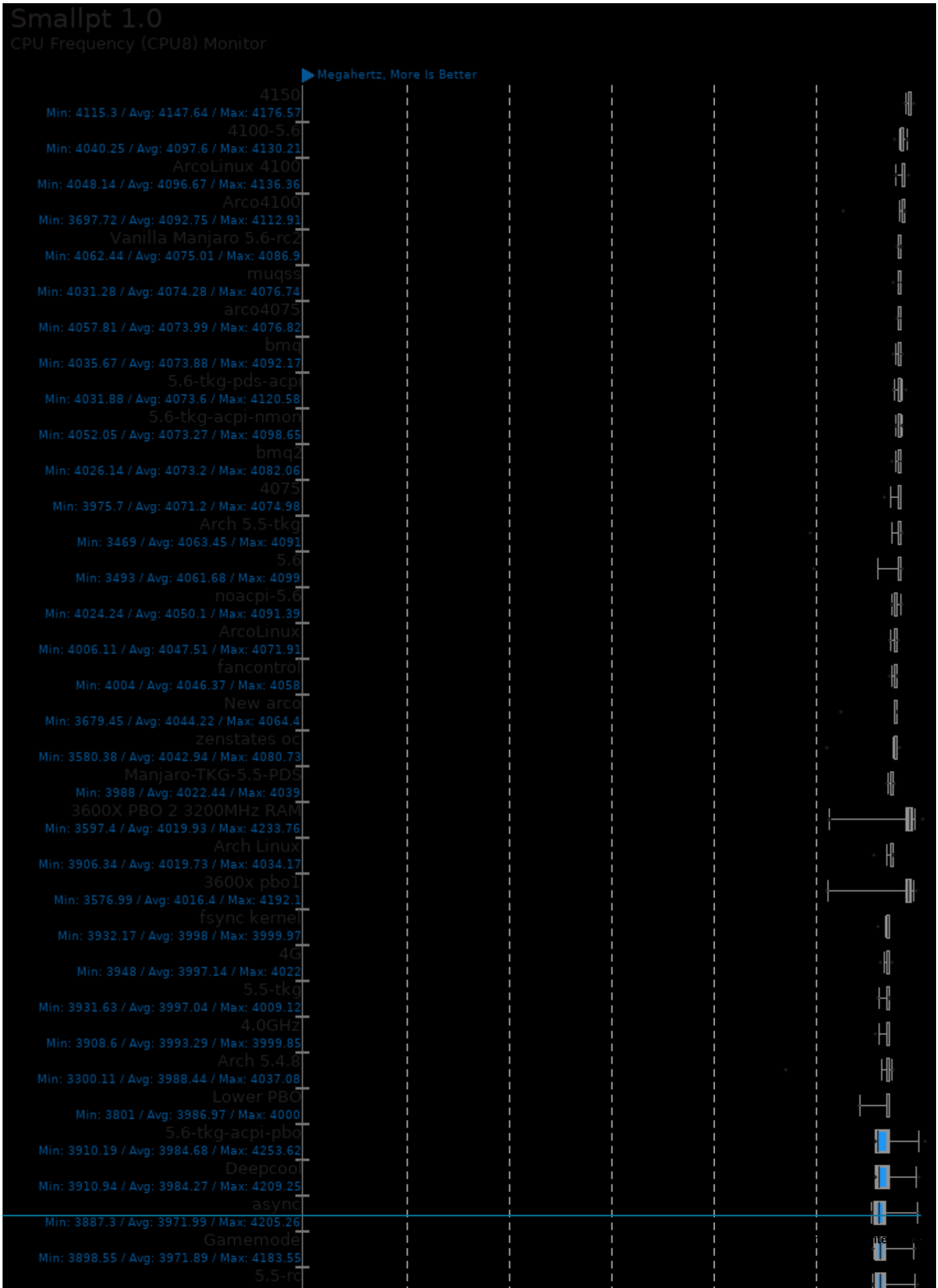
smallpt1


Smallpt 1.0
CPU Frequency (CPU6) Monitor
Megahertz, More Is Better
4150
Min: 4130.27 / Avg: 4148.35 / Max: 4150.49
Arco4100
Min: 4092.39 / Avg: 4099.54 / Max: 4110.59
ArcoLinux 4100
Min: 4079.75 / Avg: 4099.46 / Max: 4123.3
4100-5.6
Min: 4059.96 / Avg: 4097.6 / Max: 4115.54
bmq2
Min: 4056.58 / Avg: 4075.3 / Max: 4091.88
bmq
Min: 4061.24 / Avg: 4074.48 / Max: 4096.01
Vanilla Manjaro 5.6-rc2
Min: 4045.42 / Avg: 4074.06 / Max: 4093.17
5.6-tkg-pds-acpi
Min: 4055.41 / Avg: 4074.03 / Max: 4092.98
arco4075
Min: 4060.09 / Avg: 4074.01 / Max: 4078.99
muqss
Min: 4024.21 / Avg: 4073.16 / Max: 4096.35
4075
Min: 4057.73 / Avg: 4072.94 / Max: 4074.98
Arch 5.5-tkg
Min: 4031 / Avg: 4072.39 / Max: 4090
5.6-tkg-acpi-nmon
Min: 4018.88 / Avg: 4071.73 / Max: 4078.86
5.6
Min: 3713 / Avg: 4066.42 / Max: 4076
ArcoLinux
Min: 4018.93 / Avg: 4051.41 / Max: 4098.57
noacpi-5.6
Min: 4031.9 / Avg: 4049.18 / Max: 4070.13
New arco
Min: 4036.38 / Avg: 4048.94 / Max: 4058.87
zenstates oc
Min: 4029.97 / Avg: 4048.9 / Max: 4051.66
fancontrol
Min: 4024 / Avg: 4047.23 / Max: 4053
3600x pbo1
Min: 3590.52 / Avg: 4046.09 / Max: 4320.7
Arch Linux
Min: 3990.83 / Avg: 4023.09 / Max: 4050.38
Manjaro-TKG-5.5-PDS
Min: 4003 / Avg: 4022.6 / Max: 4039
3600X PBO 2 3200MHz RAM
Min: 3589.48 / Avg: 4018.37 / Max: 4237.67
fsync kernel
Min: 3994.09 / Avg: 3999.59 / Max: 3999.97
4.0GHz
Min: 3983.73 / Avg: 3998.97 / Max: 3999.85
5.5-tkg
Min: 3957.69 / Avg: 3998.11 / Max: 4000.12
4G
Min: 3961 / Avg: 3997.83 / Max: 4007
Lower PBO
Min: 3970 / Avg: 3997.32 / Max: 4001
Arch 5.4.8
Min: 3799.93 / Avg: 3996.83 / Max: 4038.02
Gamemode
Min: 3556.11 / Avg: 3946.43 / Max: 4150.5
async
Min: 3569.13 / Avg: 3939.52 / Max: 4118.34
5.5-rc
Min: 3408.42 / Avg: 3932.28 / Max: 4150.11
New paste
Min: 2808.03 / Avg: 3918.37 / Max: 4168.25
5.6-tkg-acpi-pbo

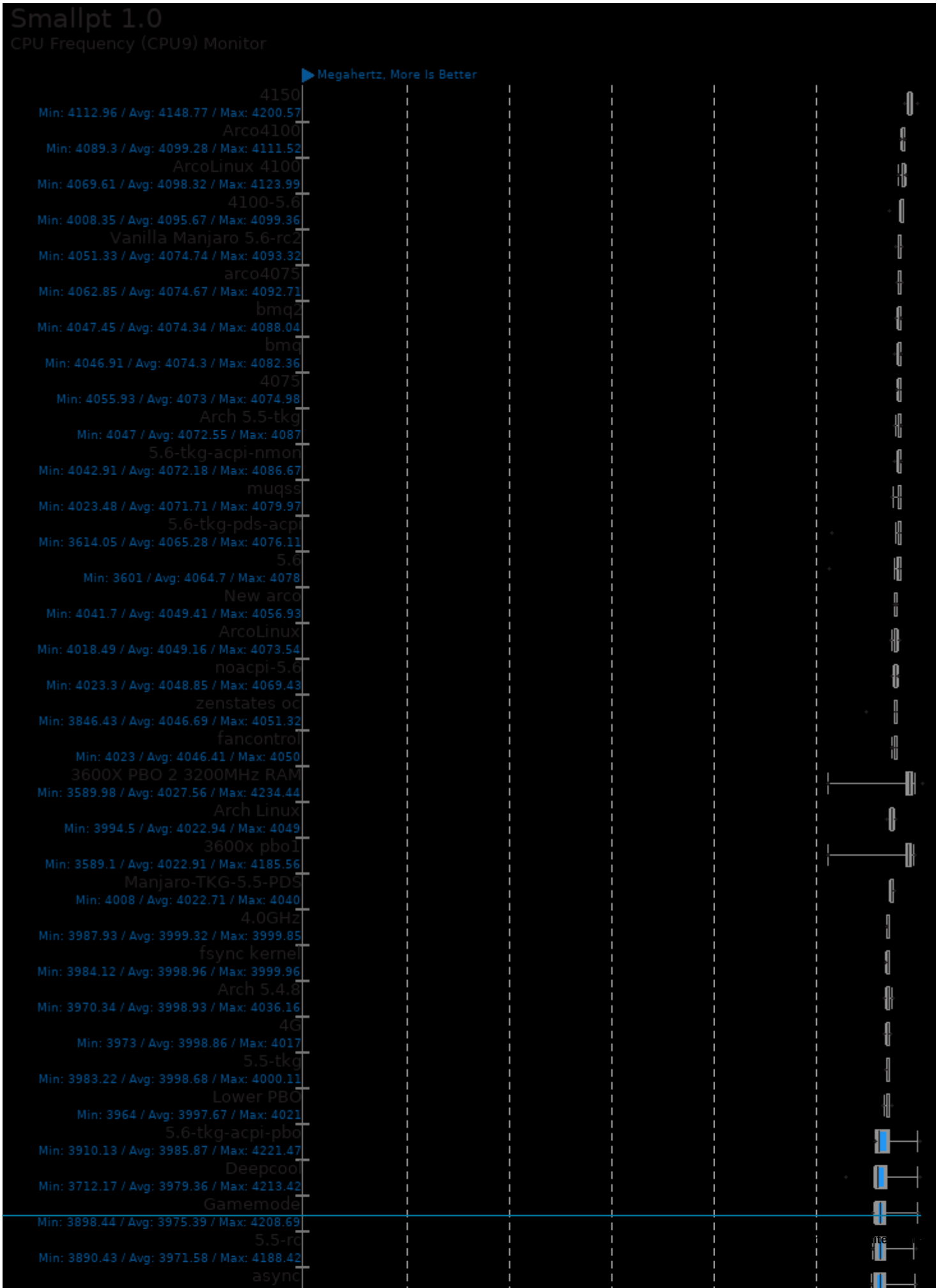
smallpt1


Smallpt 1.0
CPU Frequency (CPU7) Monitor
Megahertz, More Is Better
4150
Min: 4119.85 / Avg: 4147.43 / Max: 4157.86
4100-5.6
Min: 4071.72 / Avg: 4096.88 / Max: 4108.81
ArcoLinux 4100
Min: 4047.42 / Avg: 4096.75 / Max: 4112.63
Arco4100
Min: 3909.5 / Avg: 4096.75 / Max: 4105.82
arco4075
Min: 4065.53 / Avg: 4074.24 / Max: 4081.99
Arch 5.5-tkg
Min: 4049 / Avg: 4073.76 / Max: 4102
muqss
Min: 4031.77 / Avg: 4073.61 / Max: 4085.4
5.6-tkg-pds-acpi
Min: 4053.56 / Avg: 4073.59 / Max: 4118.95
4075
Min: 4061.49 / Avg: 4073.54 / Max: 4082.54
bmq2
Min: 4043.71 / Avg: 4073.4 / Max: 4079.16
Vanilla Manjaro 5.6-rc2
Min: 4034.87 / Avg: 4073.38 / Max: 4077.64
5.6-tkg-acpi-nmon
Min: 4045.23 / Avg: 4072.91 / Max: 4090.3
bmq
Min: 3974.73 / Avg: 4072.87 / Max: 4088.29
5.6
Min: 4033 / Avg: 4070.95 / Max: 4087
noacpi-5.6
Min: 4031.36 / Avg: 4049.83 / Max: 4087.99
New arco
Min: 4016.21 / Avg: 4048.73 / Max: 4052.56
fancontrol
Min: 4010 / Avg: 4046.85 / Max: 4068
ArcoLinux
Min: 3991.88 / Avg: 4046.19 / Max: 4053.48
zenstates oc
Min: 3544.12 / Avg: 4040.37 / Max: 4071.7
3600X PBO 2 3200MHz RAM
Min: 3595.81 / Avg: 4028.06 / Max: 4237.5
3600x pbo1
Min: 3574.34 / Avg: 4025.57 / Max: 4191.21
Arch Linux
Min: 4005.27 / Avg: 4021.69 / Max: 4024.4
Manjaro-TKG-5.5-PDS
Min: 3990 / Avg: 4021.67 / Max: 4038
fsync kernel
Min: 3993.73 / Avg: 3999.62 / Max: 3999.97
5.5-tkg
Min: 3982.33 / Avg: 3998.36 / Max: 4000.11
4.0GHz
Min: 3971.02 / Avg: 3997.86 / Max: 3999.85
Lower PBO
Min: 3966 / Avg: 3997.61 / Max: 4015
Arch 5.4.8
Min: 3958.28 / Avg: 3997.33 / Max: 4008.77
4G
Min: 3967 / Avg: 3997.01 / Max: 4000
Deepcool
Min: 3911.35 / Avg: 3985.73 / Max: 4206.17
5.6-tkg-acpi-pbo
Min: 3905.02 / Avg: 3979.76 / Max: 4231.2
Gamemode
Min: 3898.54 / Avg: 3975.33 / Max: 4199.18
async
Min: 3887.85 / Avg: 3971.81 / Max: 4203.31
5.5-rc

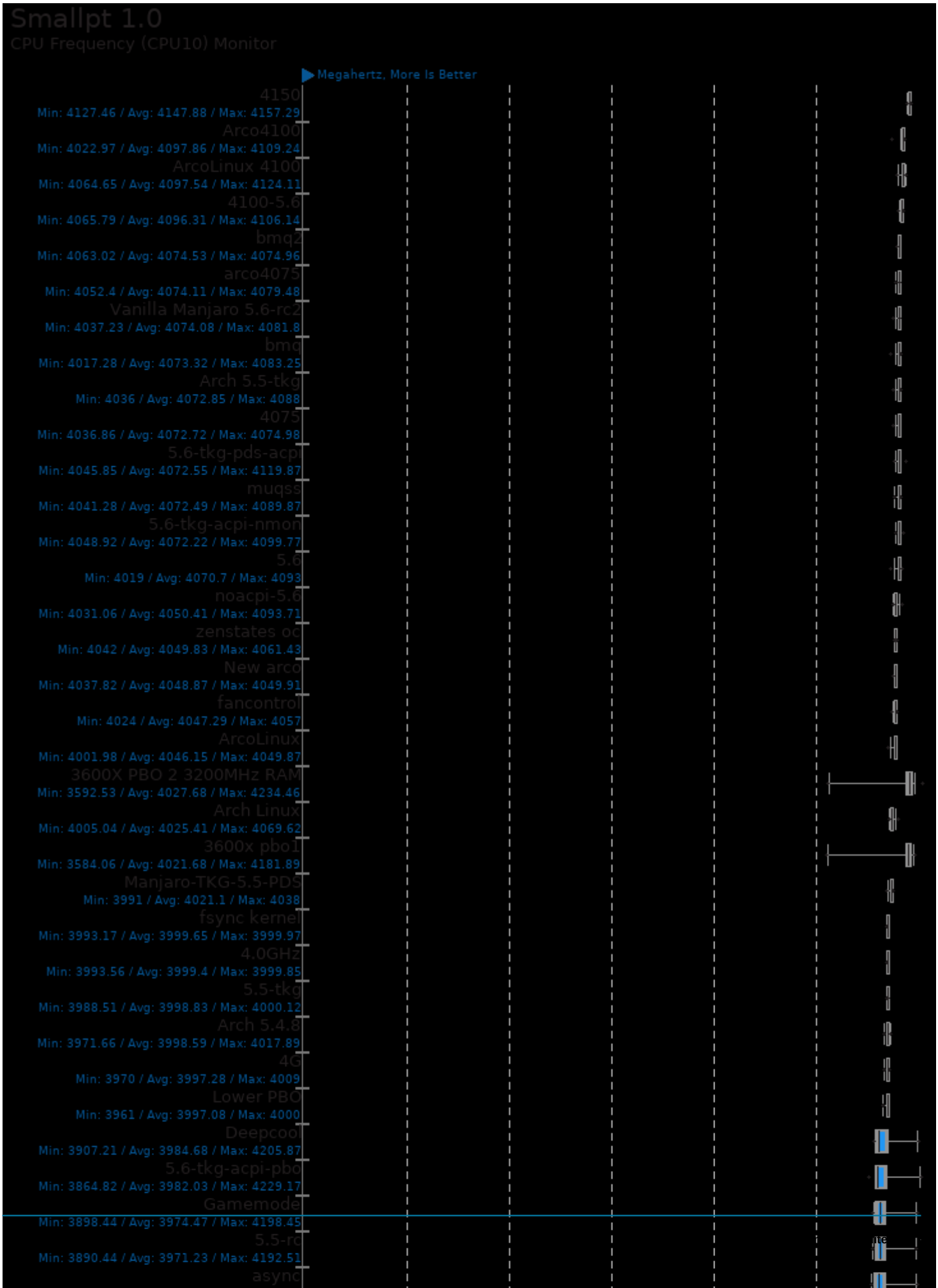
smallpt1


Smallpt 1.0
CPU Frequency (CPU8) Monitor
Megahertz, More Is Better
4150
Min: 4115.3 / Avg: 4147.64 / Max: 4176.57
4100-5.6
Min: 4040.25 / Avg: 4097.6 / Max: 4130.21
ArcoLinux 4100
Min: 4048.14 / Avg: 4096.67 / Max: 4136.36
Arco4100
Min: 3697.72 / Avg: 4092.75 / Max: 4112.91
Vanilla Manjaro 5.6-rc2
Min: 4062.44 / Avg: 4075.01 / Max: 4086.9
muqss
Min: 4031.28 / Avg: 4074.28 / Max: 4076.74
arco4075
Min: 4057.81 / Avg: 4073.99 / Max: 4076.82
bmq
Min: 4035.67 / Avg: 4073.88 / Max: 4092.17
5.6-tkg-pds-acpi
Min: 4031.88 / Avg: 4073.6 / Max: 4120.58
5.6-tkg-acpi-nmon
Min: 4052.05 / Avg: 4073.27 / Max: 4098.65
bmq2
Min: 4026.14 / Avg: 4073.2 / Max: 4082.06
4075
Min: 3975.7 / Avg: 4071.2 / Max: 4074.98
Arch 5.5-tkg
Min: 3469 / Avg: 4063.45 / Max: 4091
5.6
Min: 3493 / Avg: 4061.68 / Max: 4099
noacpi-5.6
Min: 4024.24 / Avg: 4050.1 / Max: 4091.39
ArcoLinux
Min: 4006.11 / Avg: 4047.51 / Max: 4071.91
fancontrol
Min: 4004 / Avg: 4046.37 / Max: 4058
New arco
Min: 3679.45 / Avg: 4044.22 / Max: 4064.4
zenstates oc
Min: 3580.38 / Avg: 4042.94 / Max: 4080.73
Manjaro-TKG-5.5-PDS
Min: 3988 / Avg: 4022.44 / Max: 4039
3600X PBO 2 3200MHz RAM
Min: 3597.4 / Avg: 4019.93 / Max: 4233.76
Arch Linux
Min: 3906.34 / Avg: 4019.73 / Max: 4034.17
3600x pbo1
Min: 3576.99 / Avg: 4016.4 / Max: 4192.1
fsync kernel
Min: 3932.17 / Avg: 3998 / Max: 3999.97
4G
Min: 3948 / Avg: 3997.14 / Max: 4022
5.5-tkg
Min: 3931.63 / Avg: 3997.04 / Max: 4009.12
4.0GHz
Min: 3908.6 / Avg: 3993.29 / Max: 3999.85
Arch 5.4.8
Min: 3300.11 / Avg: 3988.44 / Max: 4037.08
Lower PBO
Min: 3801 / Avg: 3986.97 / Max: 4000
5.6-tkg-acpi-pbo
Min: 3910.19 / Avg: 3984.68 / Max: 4253.62
Deepcool
Min: 3910.94 / Avg: 3984.27 / Max: 4209.25
async
Min: 3887.3 / Avg: 3971.99 / Max: 4205.26
Gamemode
Min: 3898.55 / Avg: 3971.89 / Max: 4183.55
5.5-rc

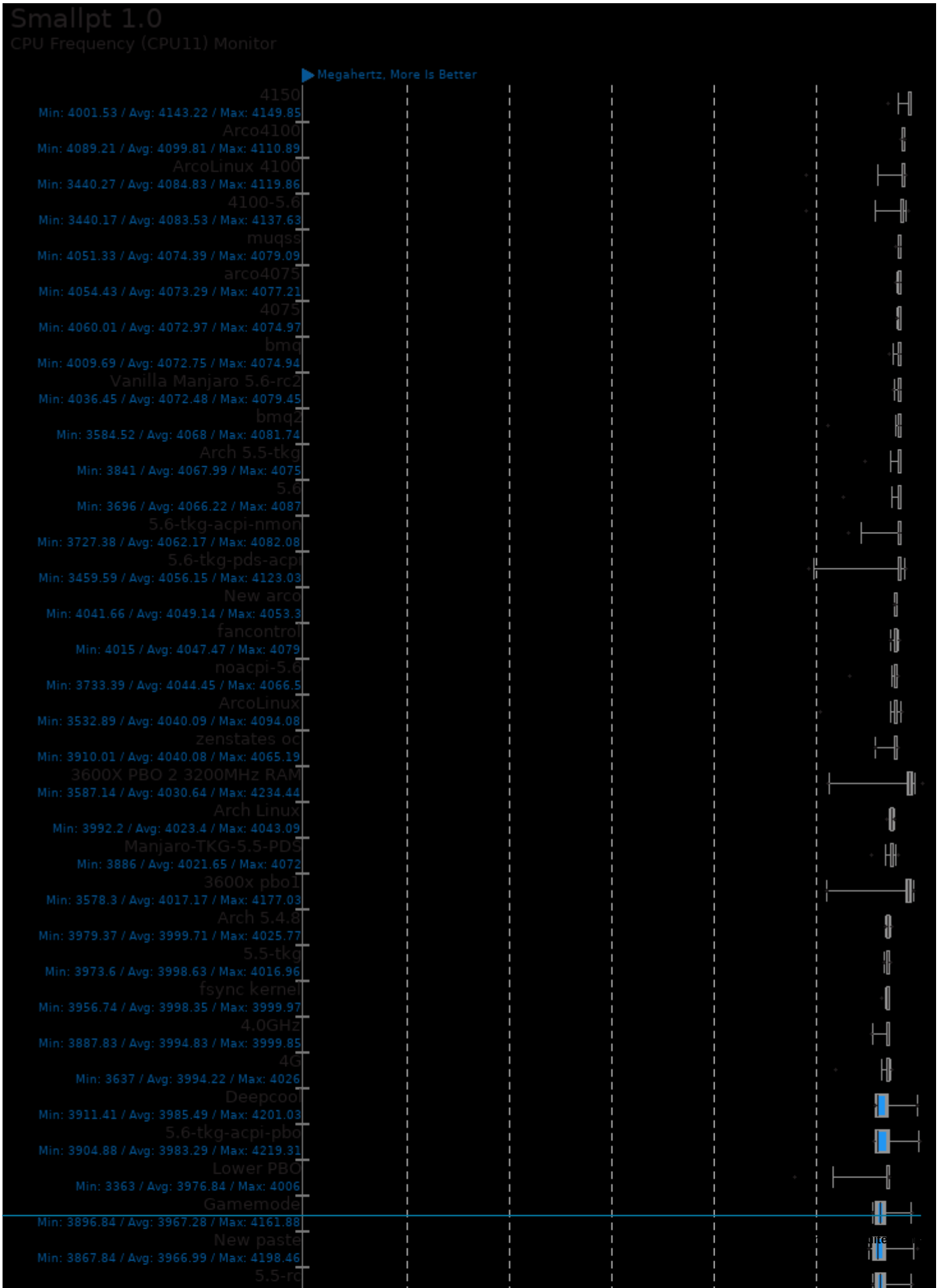
smallpt1


Smallpt 1.0
CPU Frequency (CPU9) Monitor
Megahertz, More Is Better
4150
Min: 4112.96 / Avg: 4148.77 / Max: 4200.57
Arco4100
Min: 4089.3 / Avg: 4099.28 / Max: 4111.52
ArcoLinux 4100
Min: 4069.61 / Avg: 4098.32 / Max: 4123.99
4100-5.6
Min: 4008.35 / Avg: 4095.67 / Max: 4099.36
Vanilla Manjaro 5.6-rc2
Min: 4051.33 / Avg: 4074.74 / Max: 4093.32
arco4075
Min: 4062.85 / Avg: 4074.67 / Max: 4092.71
bmq2
Min: 4047.45 / Avg: 4074.34 / Max: 4088.04
bmq
Min: 4046.91 / Avg: 4074.3 / Max: 4082.36
4075
Min: 4055.93 / Avg: 4073 / Max: 4074.98
Arch 5.5-tkg
Min: 4047 / Avg: 4072.55 / Max: 4087
5.6-tkg-acpi-nmon
Min: 4042.91 / Avg: 4072.18 / Max: 4086.67
muqss
Min: 4023.48 / Avg: 4071.71 / Max: 4079.97
5.6-tkg-pds-acpi
Min: 3614.05 / Avg: 4065.28 / Max: 4076.11
5.6
Min: 3601 / Avg: 4064.7 / Max: 4078
New arco
Min: 4041.7 / Avg: 4049.41 / Max: 4056.93
ArcoLinux
Min: 4018.49 / Avg: 4049.16 / Max: 4073.54
noacpi-5.6
Min: 4023.3 / Avg: 4048.85 / Max: 4069.43
zenstates oc
Min: 3846.43 / Avg: 4046.69 / Max: 4051.32
fancontrol
Min: 4023 / Avg: 4046.41 / Max: 4050
3600X PBO 2 3200MHz RAM
Min: 3589.98 / Avg: 4027.56 / Max: 4234.44
Arch Linux
Min: 3994.5 / Avg: 4022.94 / Max: 4049
3600x pbo1
Min: 3589.1 / Avg: 4022.91 / Max: 4185.56
Manjaro-TKG-5.5-PDS
Min: 4008 / Avg: 4022.71 / Max: 4040
4.0GHz
Min: 3987.93 / Avg: 3999.32 / Max: 3999.85
fsync kernel
Min: 3984.12 / Avg: 3998.96 / Max: 3999.96
Arch 5.4.8
Min: 3970.34 / Avg: 3998.93 / Max: 4036.16
4G
Min: 3973 / Avg: 3998.86 / Max: 4017
5.5-tkg
Min: 3983.22 / Avg: 3998.68 / Max: 4000.11
Lower PBO
Min: 3964 / Avg: 3997.67 / Max: 4021
5.6-tkg-acpi-pbo
Min: 3910.13 / Avg: 3985.87 / Max: 4221.47
Deepcool
Min: 3712.17 / Avg: 3979.36 / Max: 4213.42
Gamemode
Min: 3898.44 / Avg: 3975.39 / Max: 4208.69
5.5-rc
Min: 3890.43 / Avg: 3971.58 / Max: 4188.42
async

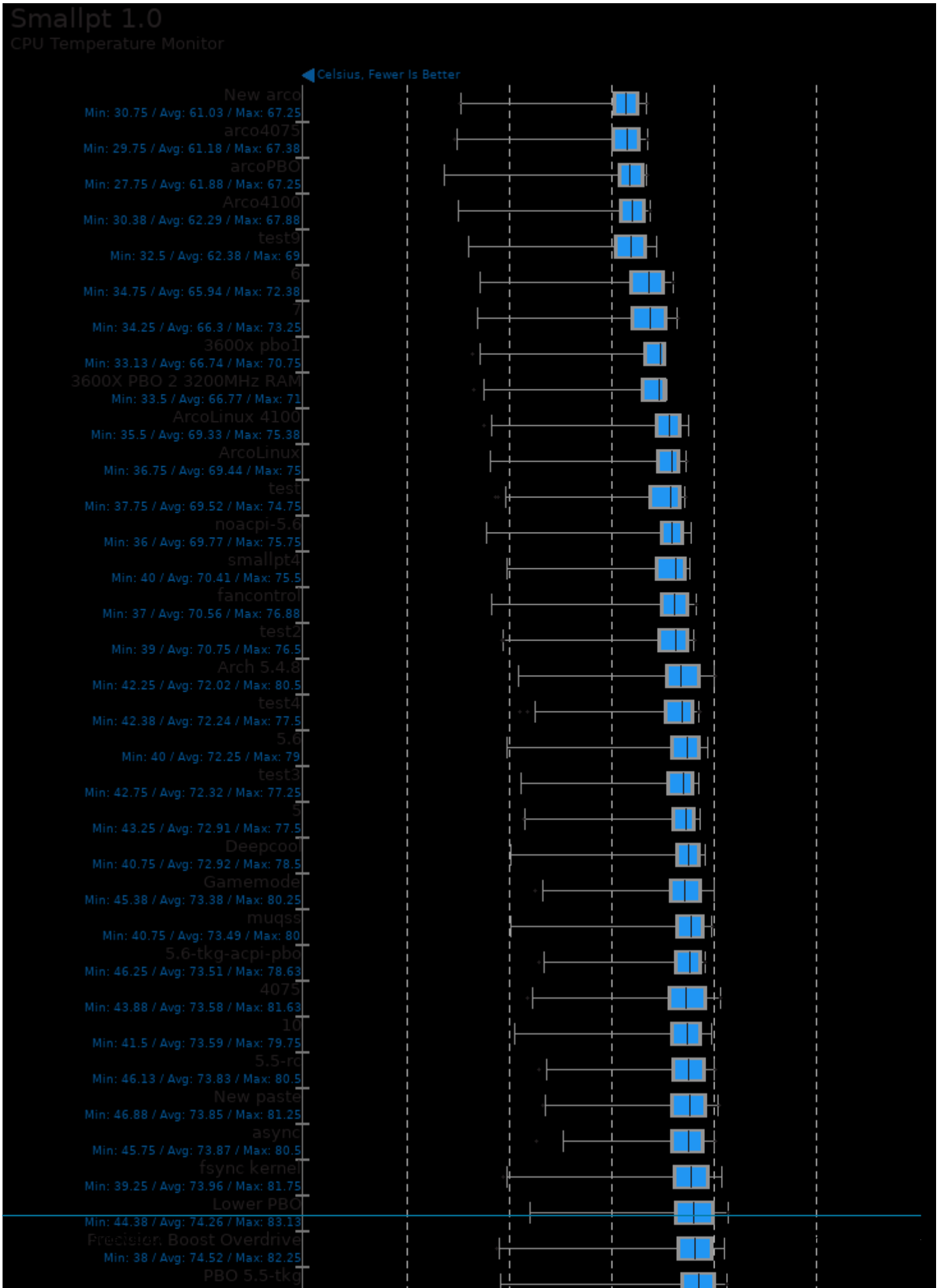
smallpt1


Smallpt 1.0
CPU Frequency (CPU10) Monitor
Megahertz, More Is Better
4150
Min: 4127.46 / Avg: 4147.88 / Max: 4157.29
Arco4100
Min: 4022.97 / Avg: 4097.86 / Max: 4109.24
ArcoLinux 4100
Min: 4064.65 / Avg: 4097.54 / Max: 4124.11
4100-5.6
Min: 4065.79 / Avg: 4096.31 / Max: 4106.14
bmq2
Min: 4063.02 / Avg: 4074.53 / Max: 4074.96
arco4075
Min: 4052.4 / Avg: 4074.11 / Max: 4079.48
Vanilla Manjaro 5.6-rc2
Min: 4037.23 / Avg: 4074.08 / Max: 4081.8
bmq
Min: 4017.28 / Avg: 4073.32 / Max: 4083.25
Arch 5.5-tkg
Min: 4036 / Avg: 4072.85 / Max: 4088
4075
Min: 4036.86 / Avg: 4072.72 / Max: 4074.98
5.6-tkg-pds-acpi
Min: 4045.85 / Avg: 4072.55 / Max: 4119.87
muqss
Min: 4041.28 / Avg: 4072.49 / Max: 4089.87
5.6-tkg-acpi-nmon
Min: 4048.92 / Avg: 4072.22 / Max: 4099.77
5.6
Min: 4019 / Avg: 4070.7 / Max: 4093
noacpi-5.6
Min: 4031.06 / Avg: 4050.41 / Max: 4093.71
zenstates oc
Min: 4042 / Avg: 4049.83 / Max: 4061.43
New arco
Min: 4037.82 / Avg: 4048.87 / Max: 4049.91
fancontrol
Min: 4024 / Avg: 4047.29 / Max: 4057
ArcoLinux
Min: 4001.98 / Avg: 4046.15 / Max: 4049.87
3600X PBO 2 3200MHz RAM
Min: 3592.53 / Avg: 4027.68 / Max: 4234.46
Arch Linux
Min: 4005.04 / Avg: 4025.41 / Max: 4069.62
3600x pbo1
Min: 3584.06 / Avg: 4021.68 / Max: 4181.89
Manjaro-TKG-5.5-PDS
Min: 3991 / Avg: 4021.1 / Max: 4038
fsync kernel
Min: 3993.17 / Avg: 3999.65 / Max: 3999.97
4.0GHz
Min: 3993.56 / Avg: 3999.4 / Max: 3999.85
5.5-tkg
Min: 3988.51 / Avg: 3998.83 / Max: 4000.12
Arch 5.4.8
Min: 3971.66 / Avg: 3998.59 / Max: 4017.89
4G
Min: 3970 / Avg: 3997.28 / Max: 4009
Lower PBO
Min: 3961 / Avg: 3997.08 / Max: 4000
Deepcool
Min: 3907.21 / Avg: 3984.68 / Max: 4205.87
5.6-tkg-acpi-pbo
Min: 3864.82 / Avg: 3982.03 / Max: 4229.17
Gamemode
Min: 3898.44 / Avg: 3974.47 / Max: 4198.45
5.5-rc
Min: 3890.44 / Avg: 3971.23 / Max: 4192.51
async

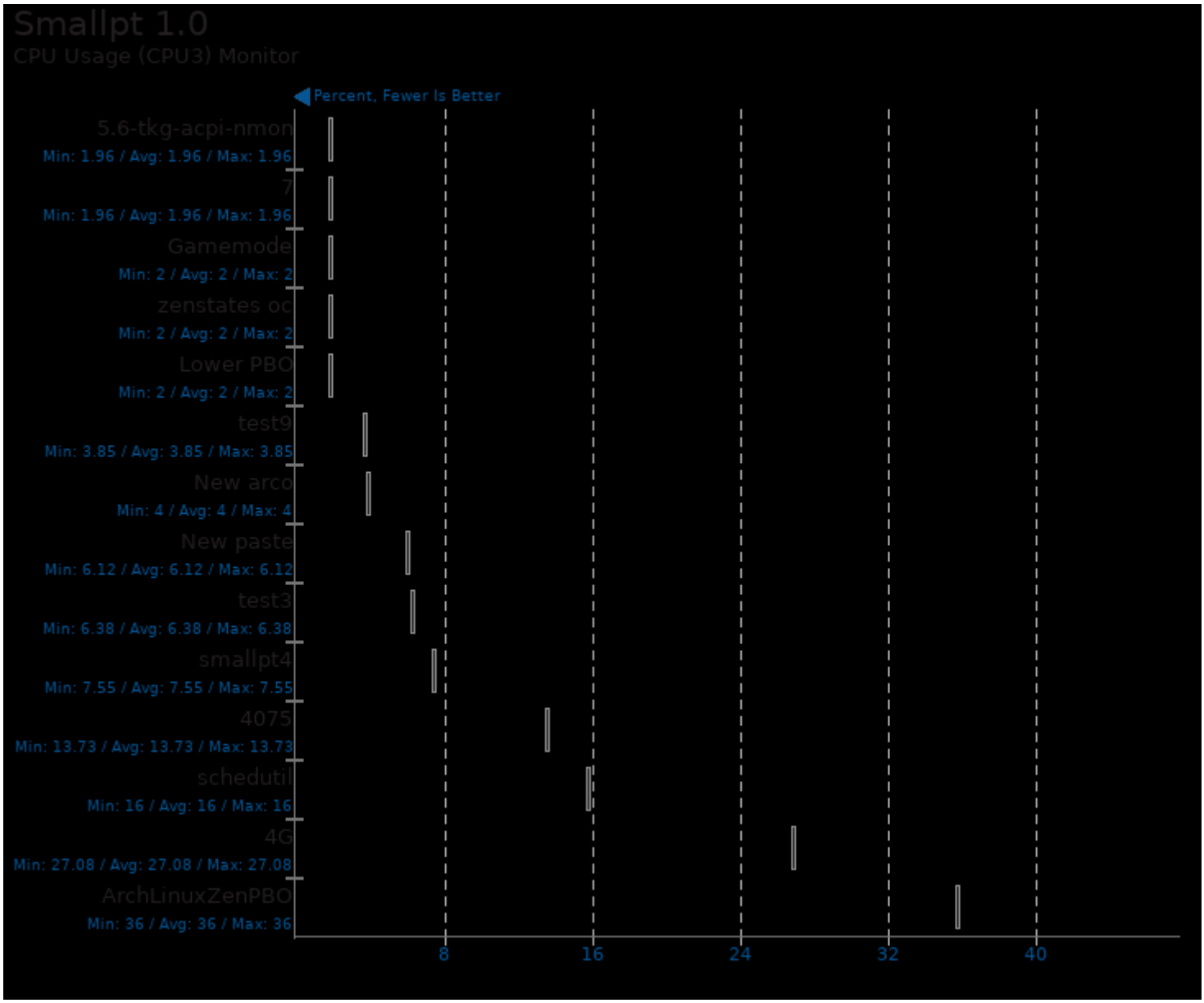
smallpt1


Smallpt 1.0
CPU Frequency (CPU11) Monitor
Megahertz, More Is Better
4150
Min: 4001.53 / Avg: 4143.22 / Max: 4149.85
Arco4100
Min: 4089.21 / Avg: 4099.81 / Max: 4110.89
ArcoLinux 4100
Min: 3440.27 / Avg: 4084.83 / Max: 4119.86
4100-5.6
Min: 3440.17 / Avg: 4083.53 / Max: 4137.63
muqss
Min: 4051.33 / Avg: 4074.39 / Max: 4079.09
arco4075
Min: 4054.43 / Avg: 4073.29 / Max: 4077.21
4075
Min: 4060.01 / Avg: 4072.97 / Max: 4074.97
bmq
Min: 4009.69 / Avg: 4072.75 / Max: 4074.94
Vanilla Manjaro 5.6-rc2
Min: 4036.45 / Avg: 4072.48 / Max: 4079.45
bmq2
Min: 3584.52 / Avg: 4068 / Max: 4081.74
Arch 5.5-tkg
Min: 3841 / Avg: 4067.99 / Max: 4075
5.6
Min: 3696 / Avg: 4066.22 / Max: 4087
5.6-tkg-acpi-nmon
Min: 3727.38 / Avg: 4062.17 / Max: 4082.08
5.6-tkg-pds-acpi
Min: 3459.59 / Avg: 4056.15 / Max: 4123.03
New arco
Min: 4041.66 / Avg: 4049.14 / Max: 4053.3
fancontrol
Min: 4015 / Avg: 4047.47 / Max: 4079
noacpi-5.6
Min: 3733.39 / Avg: 4044.45 / Max: 4066.5
ArcoLinux
Min: 3532.89 / Avg: 4040.09 / Max: 4094.08
zenstates oc
Min: 3910.01 / Avg: 4040.08 / Max: 4065.19
3600X PBO 2 3200MHz RAM
Min: 3587.14 / Avg: 4030.64 / Max: 4234.44
Arch Linux
Min: 3992.2 / Avg: 4023.4 / Max: 4043.09
Manjaro-TKG-5.5-PDS
Min: 3886 / Avg: 4021.65 / Max: 4072
3600x pbo1
Min: 3578.3 / Avg: 4017.17 / Max: 4177.03
Arch 5.4.8
Min: 3979.37 / Avg: 3999.71 / Max: 4025.77
5.5-tkg
Min: 3973.6 / Avg: 3998.63 / Max: 4016.96
fsync kernel
Min: 3956.74 / Avg: 3998.35 / Max: 3999.97
4.0GHz
Min: 3887.83 / Avg: 3994.83 / Max: 3999.85
4G
Min: 3637 / Avg: 3994.22 / Max: 4026
Deepcool
Min: 3911.41 / Avg: 3985.49 / Max: 4201.03
5.6-tkg-acpi-pbo
Min: 3904.88 / Avg: 3983.29 / Max: 4219.31
Lower PBO
Min: 3363 / Avg: 3976.84 / Max: 4006
Gamemode
Min: 3896.84 / Avg: 3967.28 / Max: 4161.88
New paste
Min: 3867.84 / Avg: 3966.99 / Max: 4198.46
5.5-rc

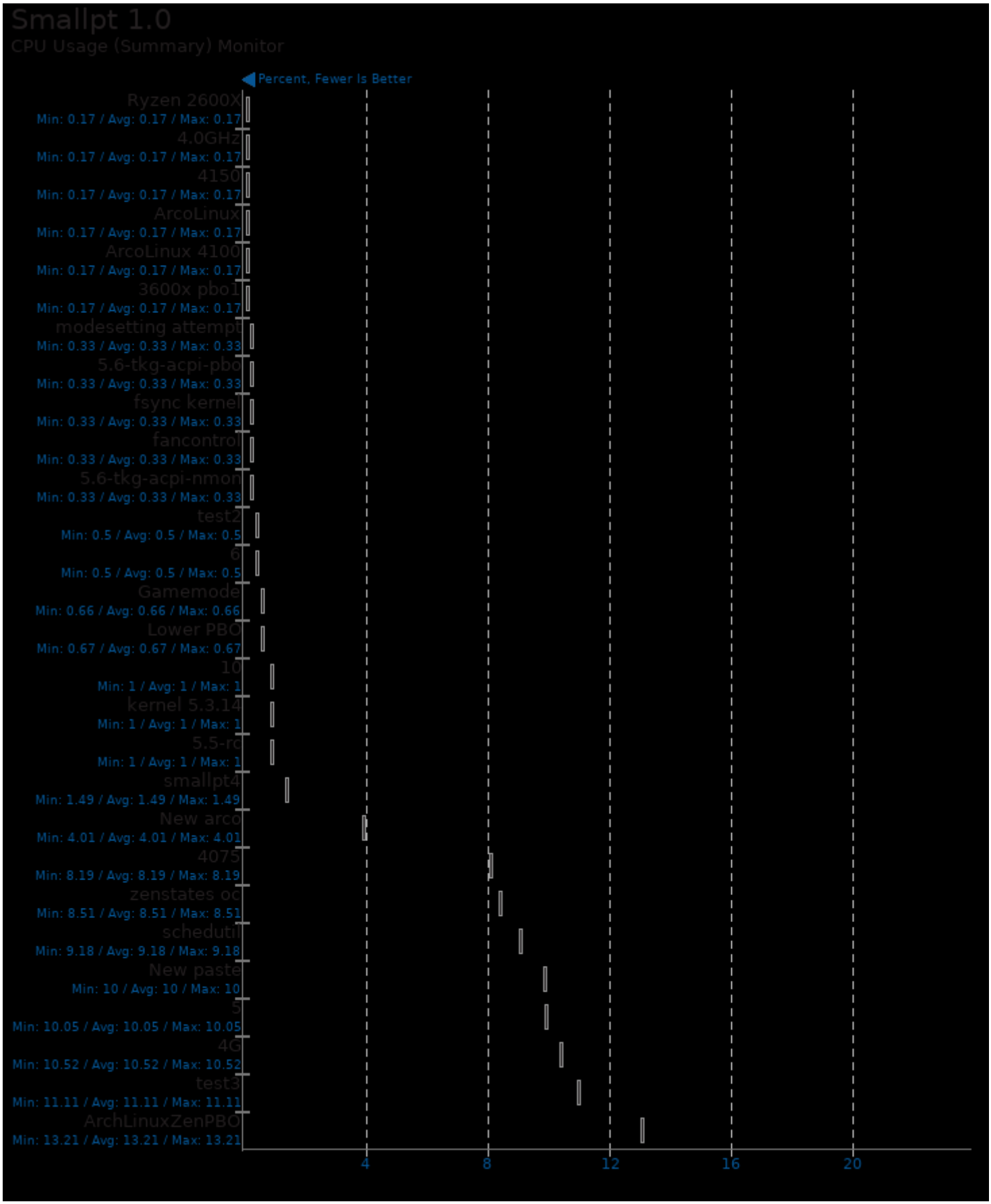
smallpt1


Smallpt 1.0
CPU Temperature Monitor
Celsius, Fewer Is Better
New arco
Min: 30.75 / Avg: 61.03 / Max: 67.25
arco4075
Min: 29.75 / Avg: 61.18 / Max: 67.38
arcoPBO
Min: 27.75 / Avg: 61.88 / Max: 67.25
Arco4100
Min: 30.38 / Avg: 62.29 / Max: 67.88
test9
Min: 32.5 / Avg: 62.38 / Max: 69
6
Min: 34.75 / Avg: 65.94 / Max: 72.38
7
Min: 34.25 / Avg: 66.3 / Max: 73.25
3600x pbo1
Min: 33.13 / Avg: 66.74 / Max: 70.75
3600X PBO 2 3200MHz RAM
Min: 33.5 / Avg: 66.77 / Max: 71
ArcoLinux 4100
Min: 35.5 / Avg: 69.33 / Max: 75.38
ArcoLinux
Min: 36.75 / Avg: 69.44 / Max: 75
test
Min: 37.75 / Avg: 69.52 / Max: 74.75
noacpi-5.6
Min: 36 / Avg: 69.77 / Max: 75.75
smallpt4
Min: 40 / Avg: 70.41 / Max: 75.5
fancontrol
Min: 37 / Avg: 70.56 / Max: 76.88
test2
Min: 39 / Avg: 70.75 / Max: 76.5
Arch 5.4.8
Min: 42.25 / Avg: 72.02 / Max: 80.5
test4
Min: 42.38 / Avg: 72.24 / Max: 77.5
5.6
Min: 40 / Avg: 72.25 / Max: 79
test3
Min: 42.75 / Avg: 72.32 / Max: 77.25
3
Min: 43.25 / Avg: 72.91 / Max: 77.5
Deepcool
Min: 40.75 / Avg: 72.92 / Max: 78.5
Gamemode
Min: 45.38 / Avg: 73.38 / Max: 80.25
muqss
Min: 40.75 / Avg: 73.49 / Max: 80
5.6-tkg-acpi-pbo
Min: 46.25 / Avg: 73.51 / Max: 78.63
4075
Min: 43.88 / Avg: 73.58 / Max: 81.63
10
Min: 41.5 / Avg: 73.59 / Max: 79.75
5.5-rc
Min: 46.13 / Avg: 73.83 / Max: 80.5
New paste
Min: 46.88 / Avg: 73.85 / Max: 81.25
async
Min: 45.75 / Avg: 73.87 / Max: 80.5
fsync kernel
Min: 39.25 / Avg: 73.96 / Max: 81.75
Lower PBO
Min: 44.38 / Avg: 74.26 / Max: 83.13
Precision Boost Overdrive
Min: 38 / Avg: 74.52 / Max: 82.25
PBO 5.5-tkg

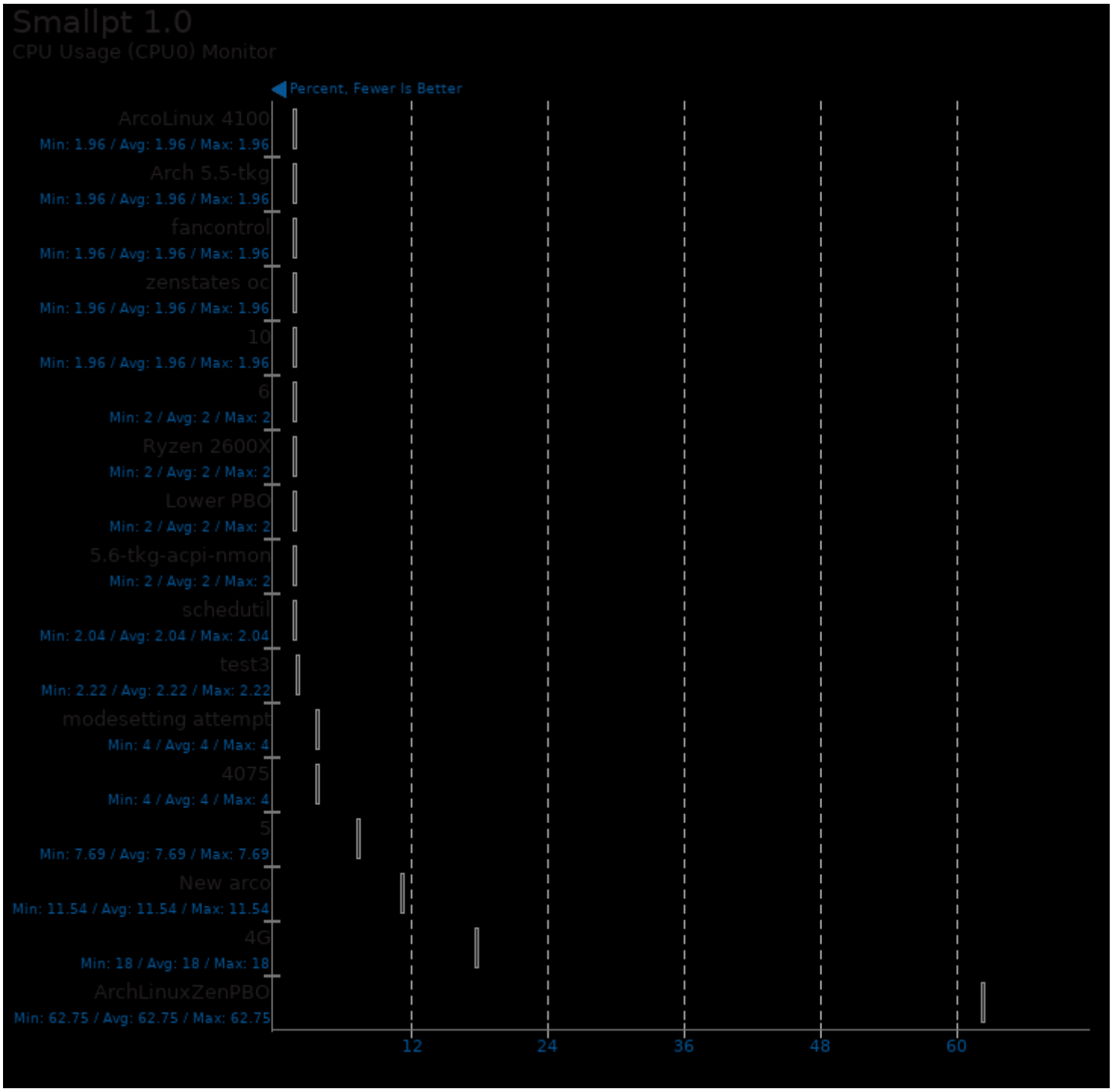
smallpt1


Smallpt 1.0
CPU Usage (CPU3) Monitor
Percent, Fewer Is Better
5.6-tkg-acpi-nmon
Min: 1.96 / Avg: 1.96 / Max: 1.96
7
Min: 1.96 / Avg: 1.96 / Max: 1.96
Gamemode
Min: 2 / Avg: 2 / Max: 2
zenstates oc
Min: 2 / Avg: 2 / Max: 2
Lower PBO
Min: 2 / Avg: 2 / Max: 2
test9
Min: 3.85 / Avg: 3.85 / Max: 3.85
New arco
Min: 4 / Avg: 4 / Max: 4
New paste
Min: 6.12 / Avg: 6.12 / Max: 6.12
test3
Min: 6.38 / Avg: 6.38 / Max: 6.38
smallpt4
Min: 7.55 / Avg: 7.55 / Max: 7.55
4075
Min: 13.73 / Avg: 13.73 / Max: 13.73
schedutil
Min: 16 / Avg: 16 / Max: 16
4G
Min: 27.08 / Avg: 27.08 / Max: 27.08
ArchLinuxZenPBO
Min: 36 / Avg: 36 / Max: 36
8
16
24
32
40

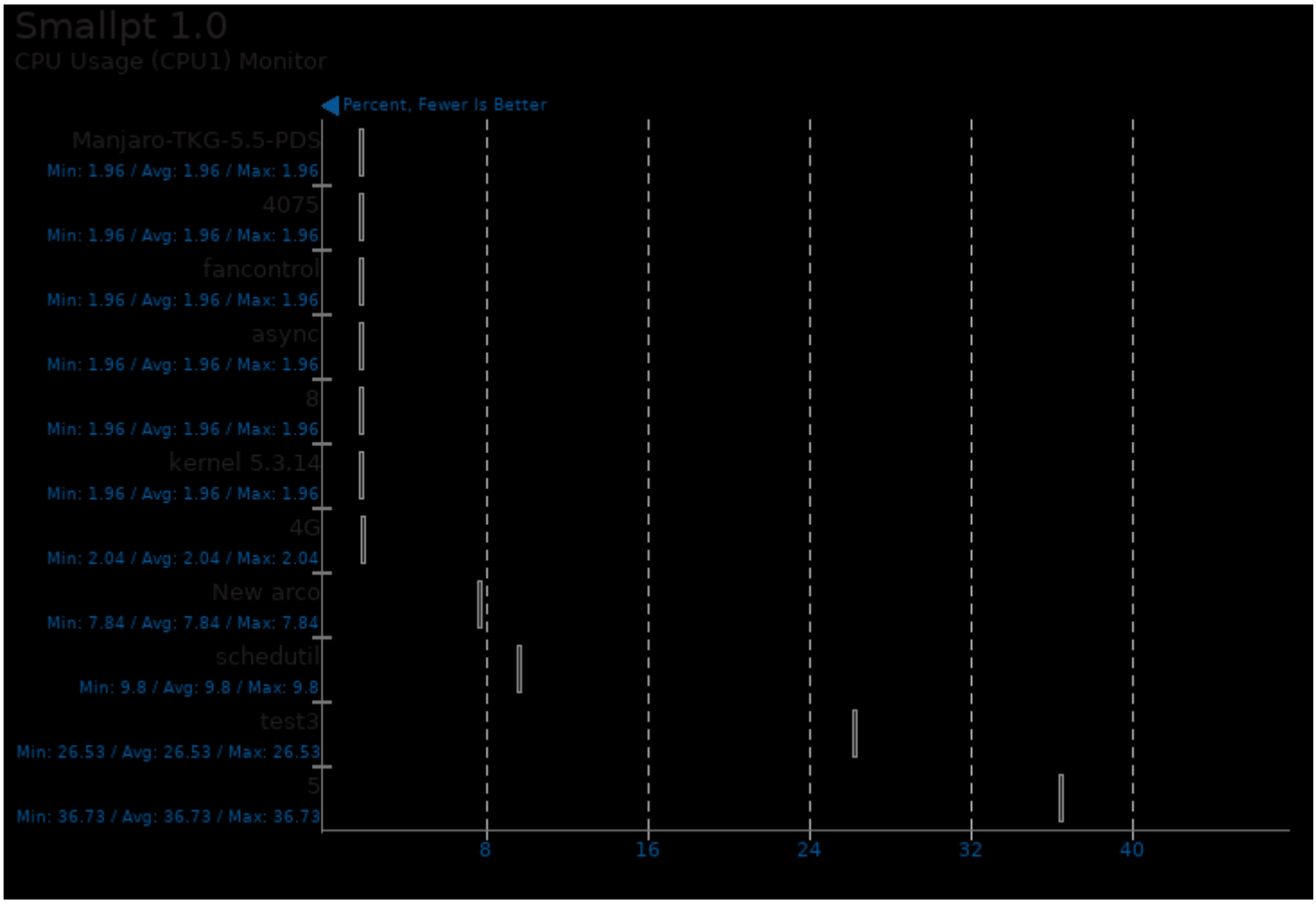
smallpt1


Smallpt 1.0
CPU Usage (Summary) Monitor
Percent, Fewer Is Better
Ryzen 2600X
Min: 0.17 / Avg: 0.17 / Max: 0.17
4.0GHz
Min: 0.17 / Avg: 0.17 / Max: 0.17
4150
Min: 0.17 / Avg: 0.17 / Max: 0.17
ArcoLinux
Min: 0.17 / Avg: 0.17 / Max: 0.17
ArcoLinux 4100
Min: 0.17 / Avg: 0.17 / Max: 0.17
3600x pbo1
Min: 0.17 / Avg: 0.17 / Max: 0.17
modesetting attempt
Min: 0.33 / Avg: 0.33 / Max: 0.33
5.6-tkg-acpi-pbo
Min: 0.33 / Avg: 0.33 / Max: 0.33
fsync kernel
Min: 0.33 / Avg: 0.33 / Max: 0.33
fancontrol
Min: 0.33 / Avg: 0.33 / Max: 0.33
5.6-tkg-acpi-nmon
Min: 0.33 / Avg: 0.33 / Max: 0.33
test2
Min: 0.5 / Avg: 0.5 / Max: 0.5
6
Min: 0.5 / Avg: 0.5 / Max: 0.5
Gamemode
Min: 0.66 / Avg: 0.66 / Max: 0.66
Lower PBO
Min: 0.67 / Avg: 0.67 / Max: 0.67
10
Min: 1 / Avg: 1 / Max: 1
kernel 5.3.14
Min: 1 / Avg: 1 / Max: 1
5.5-rc
Min: 1 / Avg: 1 / Max: 1
smallpt4
Min: 1.49 / Avg: 1.49 / Max: 1.49
New arco
Min: 4.01 / Avg: 4.01 / Max: 4.01
4075
Min: 8.19 / Avg: 8.19 / Max: 8.19
zenstates oc
Min: 8.51 / Avg: 8.51 / Max: 8.51
scheduti
Min: 9.18 / Avg: 9.18 / Max: 9.18
New paste
Min: 10 / Avg: 10 / Max: 10
5
Min: 10.05 / Avg: 10.05 / Max: 10.05
4G
Min: 10.52 / Avg: 10.52 / Max: 10.52
test3
Min: 11.11 / Avg: 11.11 / Max: 11.11
ArchLinuxZenPBO
Min: 13.21 / Avg: 13.21 / Max: 13.21
4
8
12
16
20

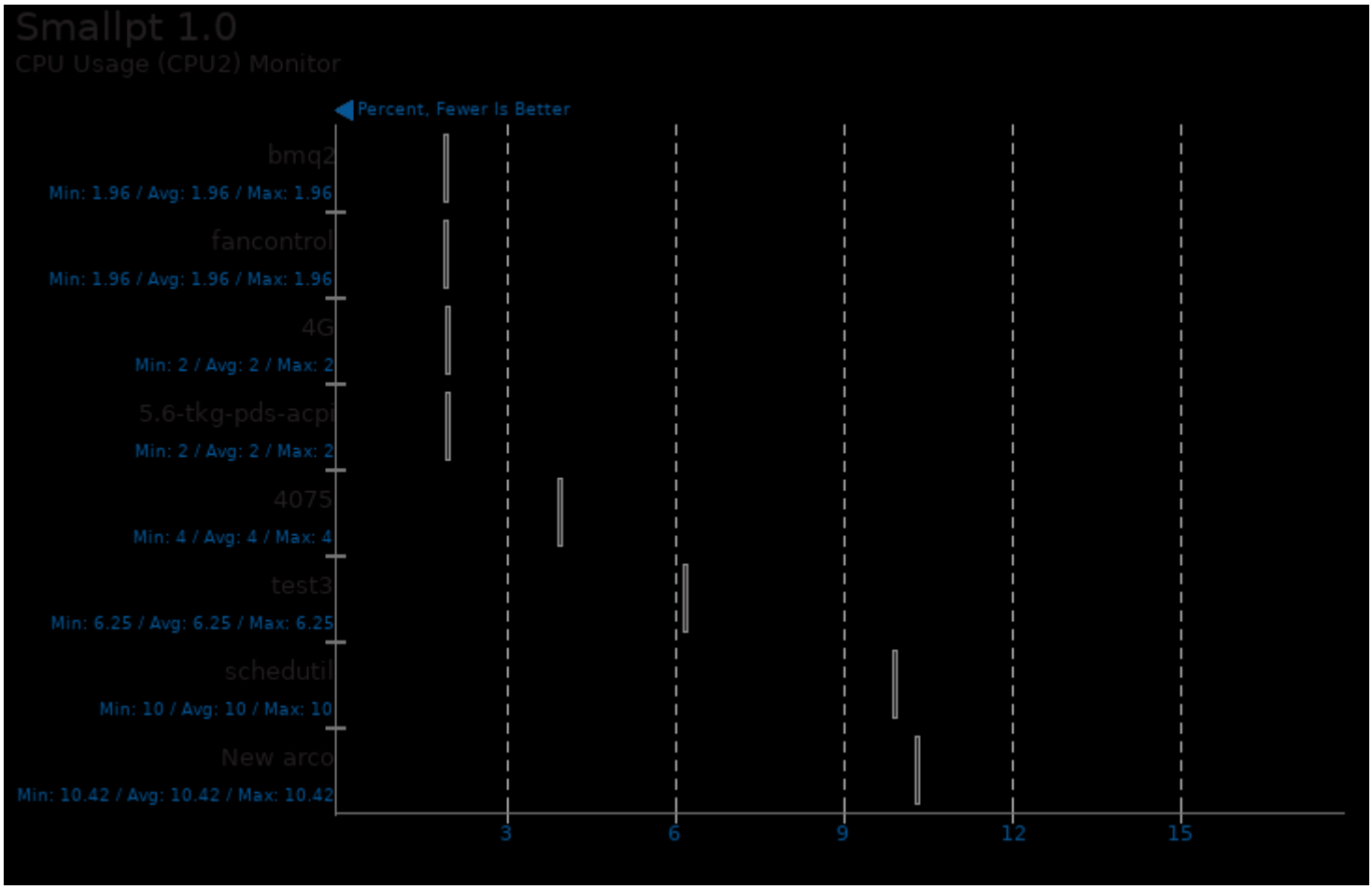
smallpt1


Smallpt 1.0
CPU Usage (CPU0) Monitor
Percent, Fewer Is Better
ArcoLinux 4100
Min: 1.96 / Avg: 1.96 / Max: 1.96
Arch 5.5-tkg
Min: 1.96 / Avg: 1.96 / Max: 1.96
fancontrol
Min: 1.96 / Avg: 1.96 / Max: 1.96
zenstates oc
Min: 1.96 / Avg: 1.96 / Max: 1.96
10
Min: 1.96 / Avg: 1.96 / Max: 1.96
6
Min: 2 / Avg: 2 / Max: 2
Ryzen 2600X
Min: 2 / Avg: 2 / Max: 2
Lower PBO
Min: 2 / Avg: 2 / Max: 2
5.6-tkg-acpi-nmon
Min: 2 / Avg: 2 / Max: 2
schedutil
Min: 2.04 / Avg: 2.04 / Max: 2.04
test3
Min: 2.22 / Avg: 2.22 / Max: 2.22
modesetting attempt
Min: 4 / Avg: 4 / Max: 4
4075
Min: 4 / Avg: 4 / Max: 4
5
Min: 7.69 / Avg: 7.69 / Max: 7.69
New arco
Min: 11.54 / Avg: 11.54 / Max: 11.54
4G
Min: 18 / Avg: 18 / Max: 18
ArchLinuxZenPBO
Min: 62.75 / Avg: 62.75 / Max: 62.75
12
24
36
48
60

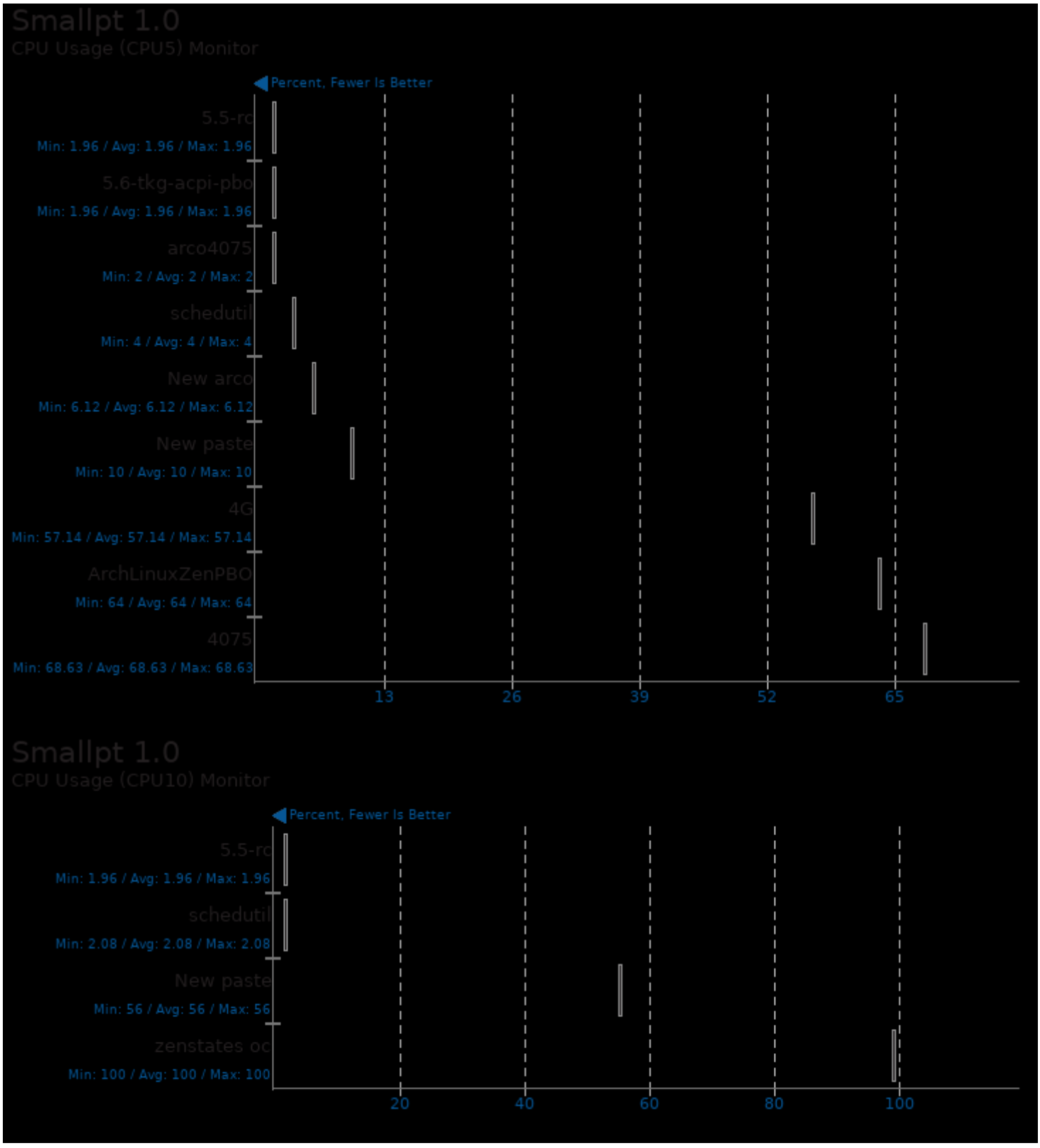
smallpt1


Smallpt 1.0
CPU Usage (CPU1) Monitor
Percent, Fewer Is Better
Manjaro-TKG-5.5-PDS
Min: 1.96 / Avg: 1.96 / Max: 1.96
4075
Min: 1.96 / Avg: 1.96 / Max: 1.96
fancontrol
Min: 1.96 / Avg: 1.96 / Max: 1.96
async
Min: 1.96 / Avg: 1.96 / Max: 1.96
8
Min: 1.96 / Avg: 1.96 / Max: 1.96
kernel 5.3.14
Min: 1.96 / Avg: 1.96 / Max: 1.96
4G
Min: 2.04 / Avg: 2.04 / Max: 2.04
New arco
Min: 7.84 / Avg: 7.84 / Max: 7.84
scheduti
Min: 9.8 / Avg: 9.8 / Max: 9.8
test3
Min: 26.53 / Avg: 26.53 / Max: 26.53
5
Min: 36.73 / Avg: 36.73 / Max: 36.73
8
16
24
32
40

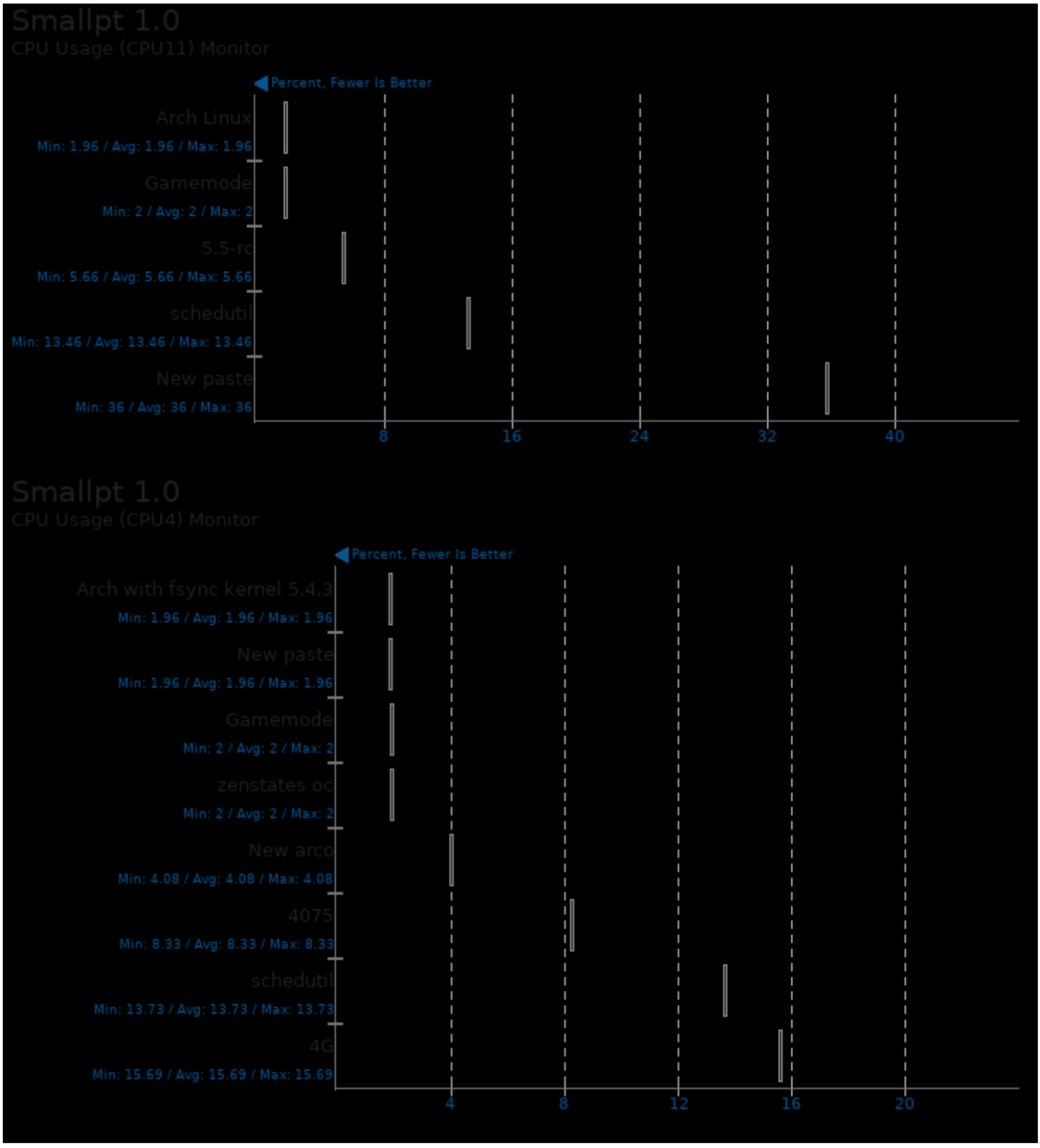
smallpt1


Smallpt 1.0
CPU Usage (CPU2) Monitor
Percent, Fewer Is Better
bmq2
Min: 1.96 / Avg: 1.96 / Max: 1.96
fancontrol
Min: 1.96 / Avg: 1.96 / Max: 1.96
4G
Min: 2 / Avg: 2 / Max: 2
5.6-tkg-pds-acpi
Min: 2 / Avg: 2 / Max: 2
4075
Min: 4 / Avg: 4 / Max: 4
test3
Min: 6.25 / Avg: 6.25 / Max: 6.25
schedutil
Min: 10 / Avg: 10 / Max: 10
New arco
Min: 10.42 / Avg: 10.42 / Max: 10.42
3
6
9
12
15

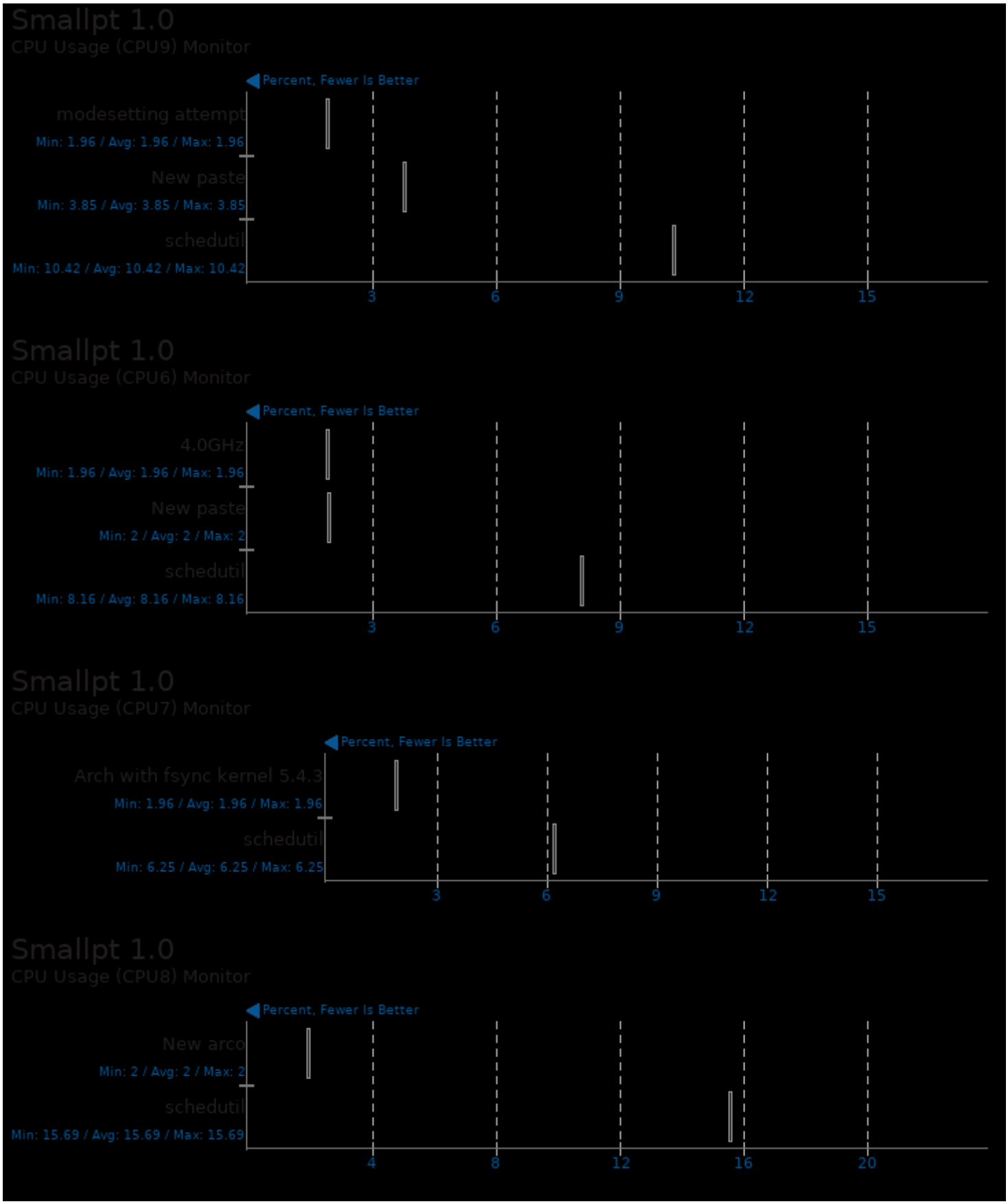
smallpt1


Smallpt 1.0
CPU Usage (CPU5) Monitor
Percent, Fewer Is Better
5.5-rc
Min: 1.96 / Avg: 1.96 / Max: 1.96
5.6-tkg-acpi-pbo
Min: 1.96 / Avg: 1.96 / Max: 1.96
arco4075
Min: 2 / Avg: 2 / Max: 2
schedutil
Min: 4 / Avg: 4 / Max: 4
New arco
Min: 6.12 / Avg: 6.12 / Max: 6.12
New paste
Min: 10 / Avg: 10 / Max: 10
4G
Min: 57.14 / Avg: 57.14 / Max: 57.14
ArchLinuxZenPBO
Min: 64 / Avg: 64 / Max: 64
4075
Min: 68.63 / Avg: 68.63 / Max: 68.63
13
26
39
52
65
Smallpt 1.0
CPU Usage (CPU10) Monitor
Percent, Fewer Is Better
5.5-rc
Min: 1.96 / Avg: 1.96 / Max: 1.96
schedutil
Min: 2.08 / Avg: 2.08 / Max: 2.08
New paste
Min: 56 / Avg: 56 / Max: 56
zenstates oc
Min: 100 / Avg: 100 / Max: 100
20
40
60
80
100

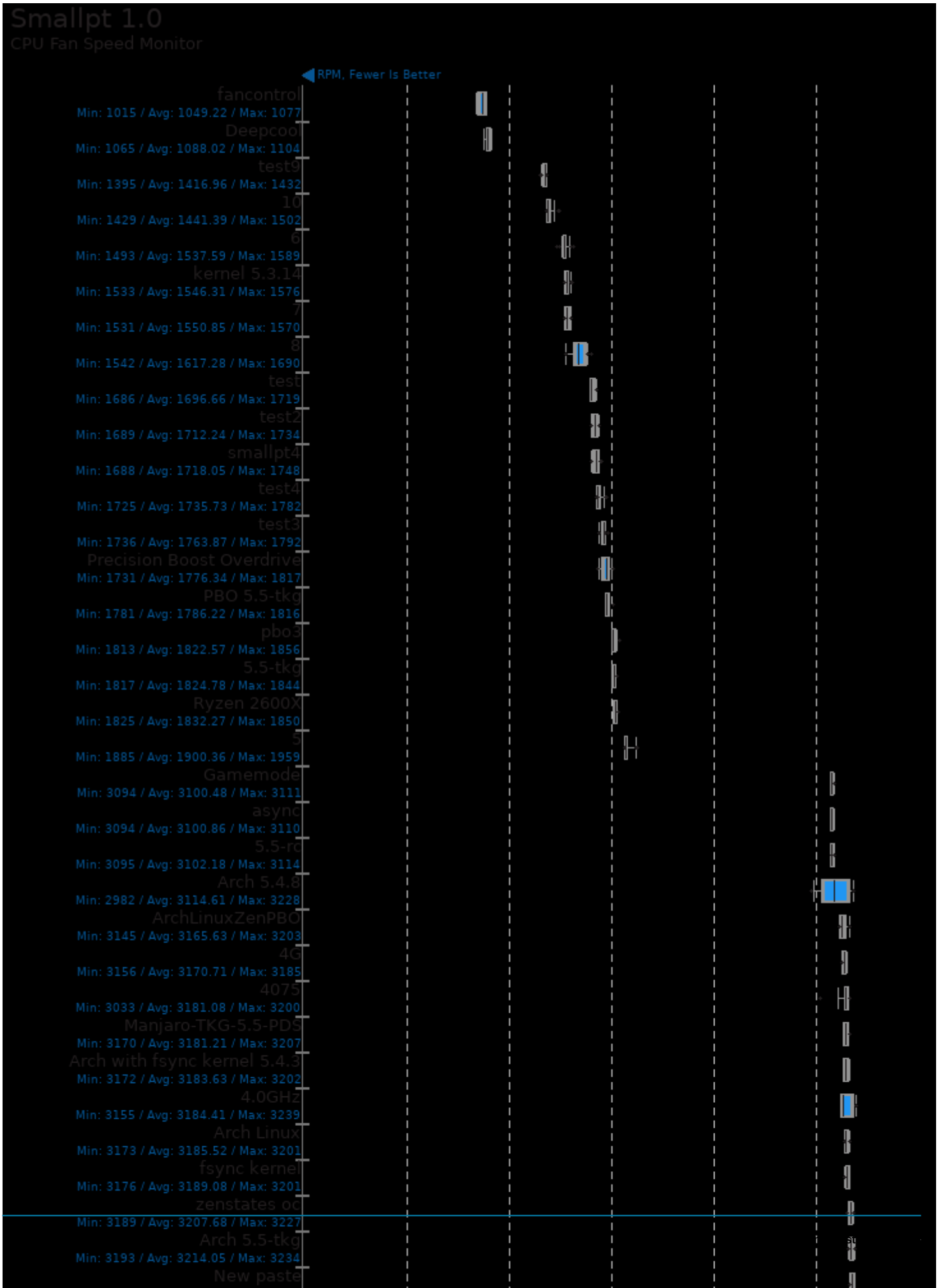
smallpt1


Smallpt 1.0
CPU Usage (CPU11) Monitor
Percent, Fewer Is Better
Arch Linux
Min: 1.96 / Avg: 1.96 / Max: 1.96
Gamemode
Min: 2 / Avg: 2 / Max: 2
5.5-rc
Min: 5.66 / Avg: 5.66 / Max: 5.66
schedutil
Min: 13.46 / Avg: 13.46 / Max: 13.46
New paste
Min: 36 / Avg: 36 / Max: 36
8
16
24
32
40
Smallpt 1.0
CPU Usage (CPU4) Monitor
Percent, Fewer Is Better
Arch with fsync kernel 5.4.3
Min: 1.96 / Avg: 1.96 / Max: 1.96
New paste
Min: 1.96 / Avg: 1.96 / Max: 1.96
Gamemode
Min: 2 / Avg: 2 / Max: 2
zenstates oc
Min: 2 / Avg: 2 / Max: 2
New arco
Min: 4.08 / Avg: 4.08 / Max: 4.08
4075
Min: 8.33 / Avg: 8.33 / Max: 8.33
schedutil
Min: 13.73 / Avg: 13.73 / Max: 13.73
4G
Min: 15.69 / Avg: 15.69 / Max: 15.69
4
8
12
16
20

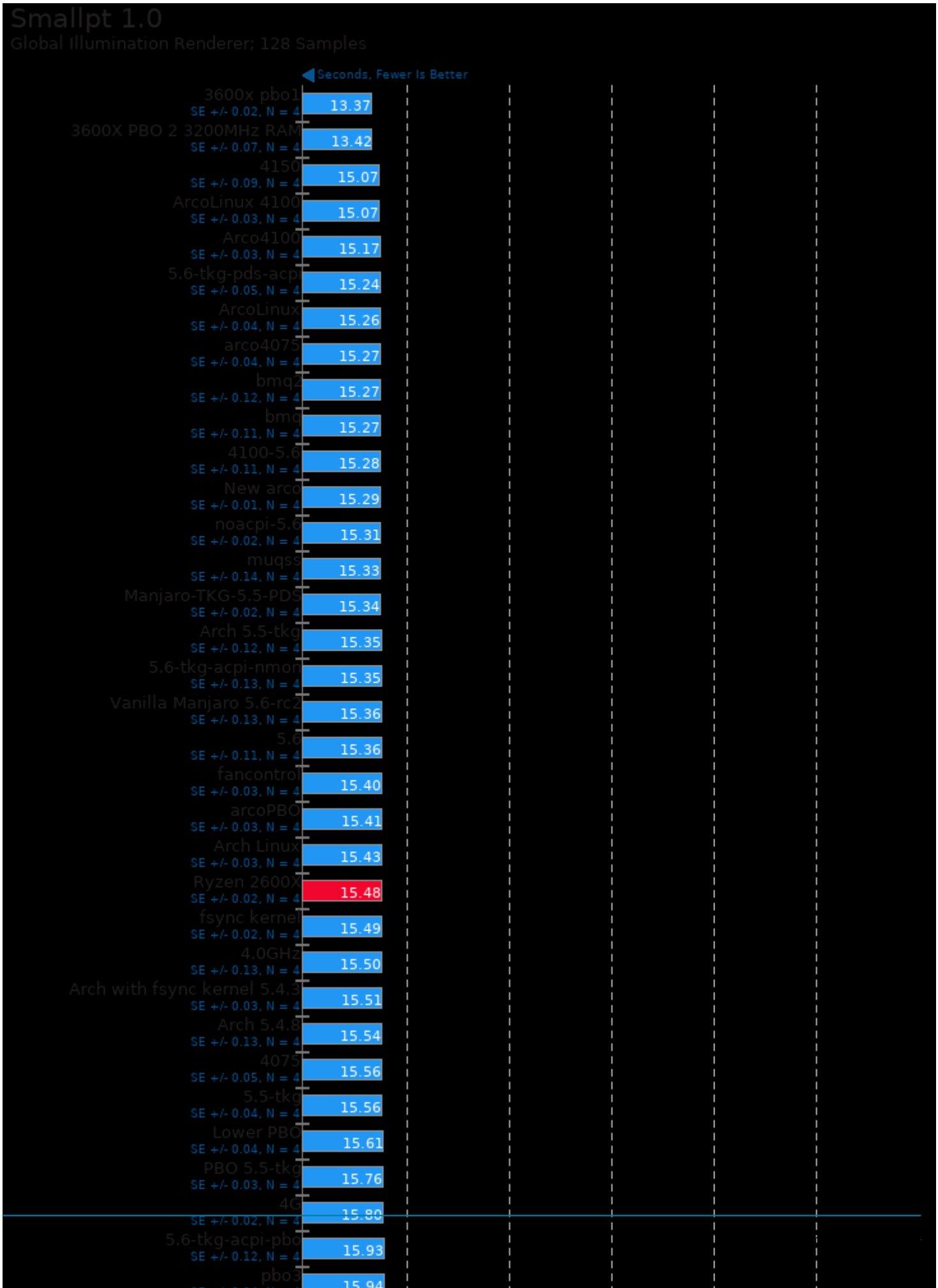
smallpt1


Smallpt 1.0
CPU Usage (CPU9) Monitor
Percent, Fewer Is Better
modesetting attempt
Min: 1.96 / Avg: 1.96 / Max: 1.96
New paste
Min: 3.85 / Avg: 3.85 / Max: 3.85
schedutil
Min: 10.42 / Avg: 10.42 / Max: 10.42
3
6
9
12
15
Smallpt 1.0
CPU Usage (CPU6) Monitor
Percent, Fewer Is Better
4.0GHz
Min: 1.96 / Avg: 1.96 / Max: 1.96
New paste
Min: 2 / Avg: 2 / Max: 2
schedutil
Min: 8.16 / Avg: 8.16 / Max: 8.16
3
6
9
12
15
Smallpt 1.0
CPU Usage (CPU7) Monitor
Percent, Fewer Is Better
Arch with fsync kernel 5.4.3
Min: 1.96 / Avg: 1.96 / Max: 1.96
schedutil
Min: 6.25 / Avg: 6.25 / Max: 6.25
3
6
9
12
15
Smallpt 1.0
CPU Usage (CPU8) Monitor
Percent, Fewer Is Better
New arco
Min: 2 / Avg: 2 / Max: 2
schedutil
Min: 15.69 / Avg: 15.69 / Max: 15.69
4
8
12
16
20

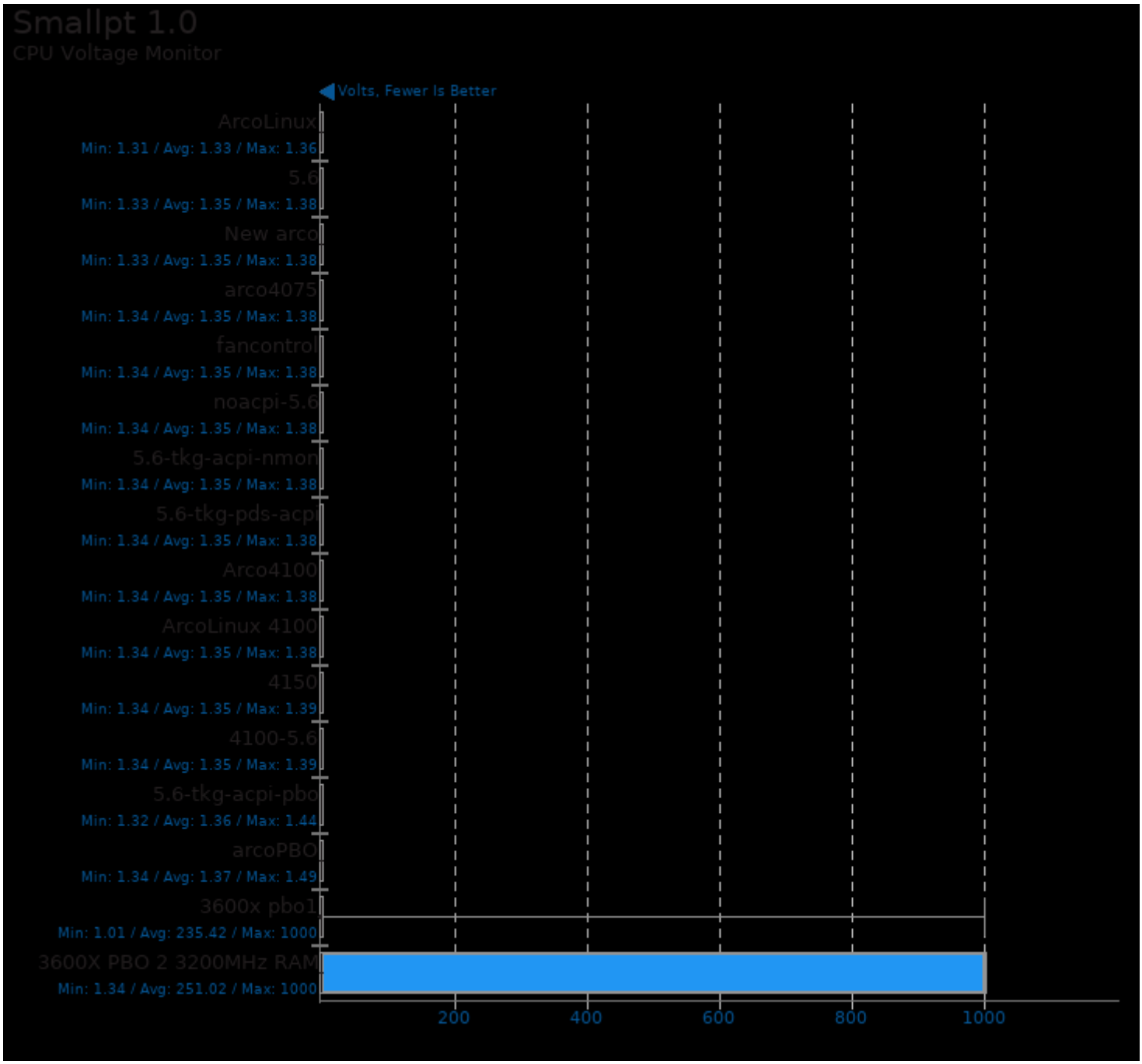
smallpt1


Smallpt 1.0
CPU Fan Speed Monitor
RPM, Fewer Is Better
fancontrol
Min: 1015 / Avg: 1049.22 / Max: 1077
Deepcool
Min: 1065 / Avg: 1088.02 / Max: 1104
test9
Min: 1395 / Avg: 1416.96 / Max: 1432
10
Min: 1429 / Avg: 1441.39 / Max: 1502
6
Min: 1493 / Avg: 1537.59 / Max: 1589
kernel 5.3.14
Min: 1533 / Avg: 1546.31 / Max: 1576
7
Min: 1531 / Avg: 1550.85 / Max: 1570
8
Min: 1542 / Avg: 1617.28 / Max: 1690
test
Min: 1686 / Avg: 1696.66 / Max: 1719
test2
Min: 1689 / Avg: 1712.24 / Max: 1734
smallpt4
Min: 1688 / Avg: 1718.05 / Max: 1748
test4
Min: 1725 / Avg: 1735.73 / Max: 1782
test3
Min: 1736 / Avg: 1763.87 / Max: 1792
Precision Boost Overdrive
Min: 1731 / Avg: 1776.34 / Max: 1817
PBO 5.5-tkg
Min: 1781 / Avg: 1786.22 / Max: 1816
pbo3
Min: 1813 / Avg: 1822.57 / Max: 1856
5.5-tkg
Min: 1817 / Avg: 1824.78 / Max: 1844
Ryzen 2600X
Min: 1825 / Avg: 1832.27 / Max: 1850
3
Min: 1885 / Avg: 1900.36 / Max: 1959
Gamemode
Min: 3094 / Avg: 3100.48 / Max: 3111
async
Min: 3094 / Avg: 3100.86 / Max: 3110
5.5-rc
Min: 3095 / Avg: 3102.18 / Max: 3114
Arch 5.4.8
Min: 2982 / Avg: 3114.61 / Max: 3228
ArchLinuxZenPBO
Min: 3145 / Avg: 3165.63 / Max: 3203
4G
Min: 3156 / Avg: 3170.71 / Max: 3185
4075
Min: 3033 / Avg: 3181.08 / Max: 3200
Manjaro-TKG-5.5-PDS
Min: 3170 / Avg: 3181.21 / Max: 3207
Arch with fsync kernel 5.4.3
Min: 3172 / Avg: 3183.63 / Max: 3202
4.0GHz
Min: 3155 / Avg: 3184.41 / Max: 3239
Arch Linux
Min: 3173 / Avg: 3185.52 / Max: 3201
fsync kernel
Min: 3176 / Avg: 3189.08 / Max: 3201
zenstates oc
Min: 3189 / Avg: 3207.68 / Max: 3227
Arch 5.5-tkg
Min: 3193 / Avg: 3214.05 / Max: 3234
New paste

smallpt1


Smallpt 1.0
Global Illumination Renderer; 128 Samples
Seconds, Fewer Is Better
3600x pbo1
SE +/- 0.02, N = 4
13.37
3600X PBO 2 3200MHz RAM
SE +/- 0.07, N = 4
13.42
4150
SE +/- 0.09, N = 4
15.07
ArcoLinux 4100
SE +/- 0.03, N = 4
15.07
Arco4100
SE +/- 0.03, N = 4
15.17
5.6-tkg-pds-acpi
SE +/- 0.05, N = 4
15.24
ArcoLinux
SE +/- 0.04, N = 4
15.26
arco4075
SE +/- 0.04, N = 4
15.27
bmq2
SE +/- 0.12, N = 4
15.27
bmq
SE +/- 0.11, N = 4
15.27
4100-5.6
SE +/- 0.11, N = 4
15.28
New arco
SE +/- 0.01, N = 4
15.29
noacpi-5.6
SE +/- 0.02, N = 4
15.31
muqss
SE +/- 0.14, N = 4
15.33
Manjaro-TKG-5.5-PDS
SE +/- 0.02, N = 4
15.34
Arch 5.5-tkg
SE +/- 0.12, N = 4
15.35
5.6-tkg-acpi-nmon
SE +/- 0.13, N = 4
15.35
Vanilla Manjaro 5.6-rc2
SE +/- 0.13, N = 4
15.36
5.6
SE +/- 0.11, N = 4
15.36
fancontrol
SE +/- 0.03, N = 4
15.40
arcoPBO
SE +/- 0.03, N = 4
15.41
Arch Linux
SE +/- 0.03, N = 4
15.43
Ryzen 2600X
SE +/- 0.02, N = 4
15.48
fsync kernel
SE +/- 0.02, N = 4
15.49
4.0GHz
SE +/- 0.13, N = 4
15.50
Arch with fsync kernel 5.4.3
SE +/- 0.03, N = 4
15.51
Arch 5.4.8
SE +/- 0.13, N = 4
15.54
4075
SE +/- 0.05, N = 4
15.56
5.5-tkg
SE +/- 0.04, N = 4
15.56
Lower PBO
SE +/- 0.04, N = 4
15.61
PBO 5.5-tkg
SE +/- 0.03, N = 4
15.76
4G
SE +/- 0.02, N = 4
15.80
5.6-tkg-acpi-pbo
SE +/- 0.12, N = 4
15.93
pbo3
15.94

smallpt1



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 11:35.