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Radeon RX 6750 XT Linux Review Benchmarks

Radeon RX 6750 XT and other fresh Linux GPU benchmarks on Intel Alder Lake + Ubuntu 22.04 LTS with latest driver options. Benchmarks by Michael Larabel for a future article.

Automated Executive Summary

RTX 3090 had the most wins, coming in first place for 66% of the tests.

Based on the geometric mean of all complete results, the fastest (RTX 3090) was 2.554x the speed of the slowest (RX Vega 56).

The results with the greatest spread from best to worst included:

Total War: Three Kingdoms (Resolution: 2560 x 1440 - Graphics Preset: Ultra - Scenario: Battle Benchmark) at 3.462x
Strange Brigade (Resolution: 3840 x 2160 - Graphics Setting: Ultra) at 3.37x
F1 2021 (Resolution: 3840 x 2160 - Graphics Preset: Ultra High) at 3.053x
Total War: Three Kingdoms (Resolution: 1920 x 1080 - Graphics Preset: Ultra - Scenario: Battle Benchmark) at 3.026x
F1 2021 (Resolution: 3840 x 2160 - Graphics Preset: Medium) at 3.016x
Batman: Arkham Knight (Resolution: 3840 x 2160 - Quality: High) at 2.994x
Unigine Superposition (Resolution: 2560 x 1440 - Mode: Fullscreen - Quality: High - Renderer: OpenGL) at 2.94x
Unigine Superposition (Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: Ultra - Renderer: OpenGL) at 2.891x
Unigine Superposition (Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: High - Renderer: OpenGL) at 2.854x

F1 2021 (Resolution: 3840 x 2160 - Graphics Preset: High) at 2.828x.

Test Systems:

RTX 2060 SUPER

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: NVIDIA GeForce RTX 2060 SUPER 8GB, Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.15.0-27-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3, Display Driver: NVIDIA 515.43.04, OpenGL: 4.6.0, OpenCL: OpenCL 3.0 CUDA 11.7.57, Vulkan: 1.2.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 256 MiB - vBIOS Version: 90.06.44.00.01
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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RTX 2070 SUPER

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: NVIDIA GeForce RTX 2070 SUPER 8GB, Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.15.0-27-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3, Display Driver: NVIDIA 515.43.04, OpenGL: 4.6.0, OpenCL: OpenCL 3.0 CUDA 11.7.57, Vulkan: 1.2.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 256 MiB - vBIOS Version: 90.04.76.00.01
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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RTX 2080 SUPER

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: NVIDIA GeForce RTX 2080 SUPER 8GB, Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.15.0-27-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3, Display Driver: NVIDIA 515.43.04, OpenGL: 4.6.0, OpenCL: OpenCL 3.0 CUDA 11.7.57, Vulkan: 1.2.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 256 MiB - vBIOS Version: 90.04.79.00.01
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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RTX 2080 Ti

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: NVIDIA GeForce RTX 2080 Ti 11GB, Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.15.0-27-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3, Display Driver: NVIDIA 515.43.04, OpenGL: 4.6.0, OpenCL: OpenCL 3.0 CUDA 11.7.57, Vulkan: 1.2.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 256 MiB - vBIOS Version: 90.02.0b.00.0e
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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RTX 3060

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: eVGA NVIDIA GeForce RTX 3060 12GB, Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.15.0-27-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3, Display Driver: NVIDIA 515.43.04, OpenGL: 4.6.0, OpenCL: OpenCL 3.0 CUDA 11.7.57, Vulkan: 1.2.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 16384 MiB - vBIOS Version: 94.06.14.40.46
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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RTX 3060 Ti

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: NVIDIA GeForce RTX 3060 Ti 8GB, Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.15.0-27-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3, Display Driver: NVIDIA 515.43.04, OpenGL: 4.6.0, OpenCL: OpenCL 3.0 CUDA 11.7.57, Vulkan: 1.2.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 8192 MiB - vBIOS Version: 94.04.25.00.2c
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 Enhanced IBRS IBPB: conditional RSB filling +

srbds: Not affected + tsx_async_abort: Not affected

RTX 3070

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: NVIDIA GeForce RTX 3070 8GB, Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.15.0-27-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3, Display Driver: NVIDIA 515.43.04, OpenGL: 4.6.0, OpenCL: OpenCL 3.0 CUDA 11.7.57, Vulkan: 1.2.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 8192 MiB - vBIOS Version: 94.04.25.00.2b
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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RTX 3070 Ti

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: NVIDIA GeForce RTX 3070 Ti 8GB, Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.15.0-27-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3, Display Driver: NVIDIA 515.43.04, OpenGL: 4.6.0, OpenCL: OpenCL 3.0 CUDA 11.7.57, Vulkan: 1.2.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 8192 MiB - vBIOS Version: 94.04.5b.00.02
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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RTX 3080

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: NVIDIA GeForce RTX 3080 10GB, Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.15.0-27-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3, Display Driver: NVIDIA 515.43.04, OpenGL: 4.6.0, OpenCL: OpenCL 3.0 CUDA 11.7.57, Vulkan: 1.2.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 16384 MiB - vBIOS Version: 94.02.20.00.07
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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RTX 3080 Ti

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: NVIDIA GeForce RTX 3080 Ti 12GB, Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.15.0-27-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3, Display Driver: NVIDIA 515.43.04, OpenGL: 4.6.0, OpenCL: OpenCL 3.0 CUDA 11.7.57, Vulkan: 1.2.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 16384 MiB - vBIOS Version: 94.02.71.00.01
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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RTX 3090

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: NVIDIA GeForce RTX 3090 24GB, Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.15.0-27-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3, Display Driver: NVIDIA 515.43.04, OpenGL: 4.6.0, OpenCL: OpenCL 3.0 CUDA 11.7.57, Vulkan: 1.2.204, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 32768 MiB - vBIOS Version: 94.02.27.00.02
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 Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RX Vega 56

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: AMD Radeon RX 56/64 8GB (1590/800MHz), Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.17.7-051707-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.2.0-devel (git-e9e8c64 2022-05-15 jammy-oibaf-ppa) (LLVM 14.0.0 DRM 3.44), Vulkan: 1.3.211, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 8176 MB - vBIOS Version: 113-D0500300-101
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

Radeon VII

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: AMD Radeon VII 16GB (1801/1000MHz), Audio: Intel Device 7ad0,

Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.17.7-051707-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.2.0-devel (git-e9e8c64 2022-05-15 jammy-oibaf-ppa) (LLVM 14.0.0 DRM 3.44), Vulkan: 1.3.211, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 16368 MB - vBIOS Version: 113-D3600200-106
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RX 5700 XT

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: AMD Radeon RX 5700 XT 8GB (2100/875MHz), Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.17.7-051707-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.2.0-devel (git-e9e8c64 2022-05-15 jammy-oibaf-ppa) (LLVM 14.0.0 DRM 3.44), Vulkan: 1.3.211, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 8176 MB - vBIOS Version: 113-D1820501-101
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RX 6600

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: Gigabyte AMD Radeon RX 6600 8GB (2750/875MHz), Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.17.7-051707-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.2.0-devel (git-e9e8c64 2022-05-15 jammy-oibaf-ppa) (LLVM 14.0.0 DRM 3.44), Vulkan: 1.3.211, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 8176 MB - vBIOS Version: 113-D53201-R66E
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RX 6600 XT

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: AMD Radeon RX 6600 XT 8GB (2900/1000MHz), Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.17.7-051707-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server

1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.2.0-devel (git-e9e8c64 2022-05-15 jammy-oibaf-ppa) (LLVM 14.0.0 DRM 3.44), Vulkan: 1.3.211, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 8176 MB - vBIOS Version: 113-EXT800286-L04
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RX 6700 XT

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: AMD Radeon RX 6700 XT 12GB (2855/1000MHz), Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.17.7-051707-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.2.0-devel (git-e9e8c64 2022-05-15 jammy-oibaf-ppa) (LLVM 14.0.0 DRM 3.44), Vulkan: 1.3.211, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 12272 MB - vBIOS Version: 113-D5121100-101
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RX 6750 XT

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: AMD Radeon RX 6750 XT 12GB (2880/1124MHz), Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.17.7-051707-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.2.0-devel (git-e9e8c64 2022-05-15 jammy-oibaf-ppa) (LLVM 14.0.0 DRM 3.44), Vulkan: 1.3.211, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 12272 MB - vBIOS Version: 113-EXT800357-L02
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RX 6800

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: AMD Radeon RX 6800 16GB (2475/1000MHz), Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.17.7-051707-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.2.0-devel (git-e9e8c64 2022-05-15 jammy-oibaf-ppa) (LLVM 14.0.0 DRM 3.44), Vulkan: 1.3.211, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 16368 MB - vBIOS Version: 113-D4120900-101
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

RX 6800 XT

Processor: Intel Core i9-12900K @ 5.20GHz (16 Cores / 24 Threads), Motherboard: ASUS ROG STRIX Z690-E GAMING WIFI (1003 BIOS), Chipset: Intel Device 7aa7, Memory: 32GB, Disk: 1000GB Western Digital WDS100T1X0E-00AFY0 + 2000GB, Graphics: AMD Radeon RX 6800 XT 16GB (2575/1000MHz), Audio: Intel Device 7ad0, Monitor: ASUS VP28U, Network: Intel I225-V + Intel Wi-Fi 6 AX210/AX211/AX411

OS: Ubuntu 22.04, Kernel: 5.17.7-051707-generic (x86_64), Desktop: GNOME Shell 42.0, Display Server: X Server 1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.2.0-devel (git-e9e8c64 2022-05-15 jammy-oibaf-ppa) (LLVM 14.0.0 DRM 3.44), Vulkan: 1.3.211, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x18 - Thermald 2.4.9
Graphics Notes: BAR1 / Visible vRAM Size: 16368 MB - vBIOS Version: 113-D4120500-101
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	RTX 2060 SUPER	RTX 2070 SUPER	RTX 2080 SUPER	RTX 2080 Ti	RTX 3060	RTX 3060 Ti	RTX 3070	RTX 3070 Ti	RTX 3080	RTX 3080 Ti	RTX 3090	RX Vega 56	Radeon VII	RX 5700 XT	RX 6600	RX 6600 XT	RX 6700 XT	RX 6750 XT	RX 6800	RX 6800 XT
Total War: Three Kingdoms - 1920 x 1080 - Ultra - Battle Benchmark (FPS)	60.2	67.0	74.6	87.1	73.9	100.5	115.4	124.3	150.9	154.0	**161.6**	**53.4**	76.8	74.3	62.1	74.1	99.6	102.0	122.0	139.0
Normalized	37.25%	41.46%	46.16%	53.9%	45.73%	62.19%	71.41%	76.92%	93.38%	95.3%	100%	33.04%	47.52%	45.98%	38.43%	45.85%	61.63%	63.12%	75.5%	86.01%
Standard Deviation	1.1%	1.3%	1.1%	1.7%	1.7%	0.6%	0.4%	1%	5.6%	6.2%	9%	0.6%	0.4%	1.2%	0.7%	0.6%	0.5%	0.1%	1.2%	1.5%

Radeon RX 6750 XT Linux Review Benchmarks

Total War: Three Kingdoms - 1920 x 1080 - Ultra - Battle Benchmark (FPS/Watt	0.427	0.427	0.441	0.425	0.535	0.613	0.648	0.535	0.559	0.523	0.553	**0.394**	0.48	0.498	**0.759**	0.727	0.654	0.598	0.75	0.677
Normalized	56.26%	56.26%	58.1%	55.99%	70.49%	80.76%	85.38%	70.49%	73.65%	68.91%	72.86%	51.91%	63.24%	65.61%	100%	95.78%	86.17%	78.79%	98.81%	89.2%
Total War: Three Kingdoms - 2560 x 1440 - Ultra - Battle Benchmark (FPS)	39.9	46.3	52.5	62.4	45.5	63.3	72.5	79.0	101.2	110.2	**117.7**	**34.0**	50.6	45.2	36.4	44.0	60.9	62.1	77.1	88.3
Normalized	33.9%	39.34%	44.6%	53.02%	38.66%	53.78%	61.6%	67.12%	85.98%	93.63%	100%	28.89%	42.99%	38.4%	30.93%	37.38%	51.74%	52.76%	65.51%	75.02%
Standard Deviation	0.4%	1.4%	0.7%	1.7%	1.7%	0.5%	0.8%	0.3%	1.2%	2.5%	0.3%	0.2%	0.7%	0.3%	0.5%	0.1%	0.2%	1.3%	0.2%	0.3%
Total War: Three Kingdoms - 2560 x 1440 - Ultra - Battle Benchmark (FPS/Watt	0.27	0.264	0.268	0.285	0.316	0.374	0.386	0.321	0.367	0.371	0.394	**0.24**	0.282	0.291	0.426	0.415	0.382	0.349	**0.449**	0.403
Normalized	60.13%	58.8%	59.69%	63.47%	70.38%	83.3%	85.97%	71.49%	81.74%	82.63%	87.75%	53.45%	62.81%	64.81%	94.88%	92.43%	85.08%	77.73%	100%	89.76%
DiRT Rally 2.0 - 1920 x 1080 - Ultra	99.1888 91	113.659 248	131.880 254	162.447 128	104.738 691	140.475 194	159.248 805	165.743 230	214.759 644	230.039 902	**243.381 109**	**91.0517 30**	128.235 397	120.828 445	112.335 533	133.202 718	158.369 532	161.913 803	190.031 733	229.050 044
Normalized	40.75%	46.7%	54.19%	66.75%	43.03%	57.72%	65.43%	68.1%	88.24%	94.52%	100%	37.41%	52.69%	49.65%	46.16%	54.73%	65.07%	66.53%	78.08%	94.11%
Standard Deviation	0.1%	0.1%	0.4%	0.1%	0%	0.1%	0.1%	0.2%	0.1%	0.5%	0.6%	0.1%	0%	0.1%	0%	0%	0%	0%	0%	0%

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DiRT Rally 2.0 - 1920 x 1080 - Ultra (FPS/Watt	0.629	0.651	0.675	0.687	0.786	0.778	0.821	0.684	0.737	0.719	0.769	**0.602**	0.74	0.732	**1.236**	1.153	0.955	0.875	1.13	0.979
Normalized	50.89%	52.67%	54.61%	55.58%	63.59%	62.94%	66.42%	55.34%	59.63%	58.17%	62.22%	48.71%	59.87%	59.22%	100%	93.28%	77.27%	70.79%	91.42%	79.21%
DiRT Rally 2.0 - 2560 x 1440 - Ultra	75.7978	88.6400	103.798	127.668	80.2577	107.678	122.639	128.890	168.153	181.594	**193.308**	**70.1273**	101.035	90.8167	83.0370	100.334	121.059	124.136	148.697	176.852
Normalized	39.21%	45.85%	53.7%	66.04%	41.52%	55.7%	63.44%	66.68%	86.99%	93.94%	100%	36.28%	52.27%	46.98%	42.96%	51.9%	62.62%	64.22%	76.92%	91.49%
Standard Deviation	0.1%	0.3%	0%	0.2%	0.1%	0%	0.1%	0.1%	0.1%	0.1%	0.1%	0%	0%	0%	0%	0%	0.1%	0%	0%	0%
DiRT Rally 2.0 - 2560 x 1440 - Ultra (FPS/Watt	0.486	0.474	0.484	0.536	0.57	0.59	0.614	0.505	0.576	0.563	0.611	**0.464**	0.544	0.548	**0.905**	0.829	0.709	0.649	0.821	0.755
Normalized	53.7%	52.38%	53.48%	59.23%	62.98%	65.19%	67.85%	55.8%	63.65%	62.21%	67.51%	51.27%	60.11%	60.55%	100%	91.6%	78.34%	71.71%	90.72%	83.43%
DiRT Rally 2.0 - 3840 x 1600 - Ultra	55.8134	66.5610	78.5819	96.6421	58.8020	80.2964	91.8377	96.8612	126.339	137.526	**146.749**	**52.0576**	76.4499	66.2161	59.4727	73.1377	89.2155	91.7584	110.202	131.731
Normalized	38.03%	45.36%	53.55%	65.86%	40.07%	54.72%	62.58%	66%	86.09%	93.71%	100%	35.47%	52.1%	45.12%	40.53%	49.84%	60.79%	62.53%	75.1%	89.77%
Standard Deviation	0.2%	0.1%	0.1%	0.2%	0.1%	0%	0%	0.1%	0.1%	0.1%	0.1%	0%	0%	0%	0%	0%	0.1%	0.1%	0.1%	0%
DiRT Rally 2.0 - 3840 x 1600 - Ultra (FPS/Watt	0.347	0.345	0.352	0.405	0.405	0.437	0.457	0.372	0.43	0.426	0.457	**0.344**	0.385	0.4	**0.651**	0.588	0.524	0.482	0.595	0.563
Normalized	53.3%	53%	54.07%	62.21%	62.21%	67.13%	70.2%	57.14%	66.05%	65.44%	70.2%	52.84%	59.14%	61.44%	100%	90.32%	80.49%	74.04%	91.4%	86.48%
F1 2021 - 1920 x 1080 - Ultra High (FPS)	108	127	146	175	110	146	165	173	218	229	**243**	**93**	131	131	116	138	172	176	204	233
Normalized	44.44%	52.26%	60.08%	72.02%	45.27%	60.08%	67.9%	71.19%	89.71%	94.24%	100%	38.27%	53.91%	53.91%	47.74%	56.79%	70.78%	72.43%	83.95%	95.88%
Standard Deviation	0.5%	0.5%	0.4%	0.3%	0.5%	0%	0.4%	0.6%	0.5%	1.2%	0%	0%	0.4%	0%	0.5%	0.4%	0.3%	0.3%	0.3%	0.2%

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Phoronix Test Suite

F1 2021 - 2560 x 1440 - Ultra High (FPS)	80	95	111	133	81	108	124	131	167	178	**188**	**69**	100	97	84	101	128	132	157	179
Normalized	42.55%	50.53%	59.04%	70.74%	43.09%	57.45%	65.96%	69.68%	88.83%	94.68%	100%	36.7%	53.19%	51.6%	44.68%	53.72%	68.09%	70.21%	83.51%	95.21%
Standard Deviation	0%	0%	0%	0.4%	0%	0%	0.5%	0.8%	0.3%	0.3%	0.3%	0%	0%	0.6%	0%	0.6%	0.4%	0.4%	0.4%	0.3%
F1 2021 - 3840 x 2160 - Medium (FPS)	71	85	100	123	76	102	117	125	161	173	**184**	**61**	92	94	73	88	117	120	146	168
Normalized	38.59%	46.2%	54.35%	66.85%	41.3%	55.43%	63.59%	67.93%	87.5%	94.02%	100%	33.15%	50%	51.09%	39.67%	47.83%	63.59%	65.22%	79.35%	91.3%
Standard Deviation	0.8%	0%	0%	0.5%	0%	0%	0%	0%	0.4%	0.3%	0.3%	0.9%	0.6%	0.6%	0.8%	0.7%	0%	0.5%	0.4%	0.3%
F1 2021 - 3840 x 2160 - High	64	77	91	111	68	91	104	111	144	155	**164**	**58**	86	83	65	80	106	109	132	151
Normalized	39.02%	46.95%	55.49%	67.68%	41.46%	55.49%	63.41%	67.68%	87.8%	94.51%	100%	35.37%	52.44%	50.61%	39.63%	48.78%	64.63%	66.46%	80.49%	92.07%
Standard Deviation	0%	0%	0.6%	0.5%	0.9%	0%	0%	0%	0.4%	0%	0.4%	0%	0.7%	0.7%	0%	0.7%	0%	0.5%	0.4%	0.4%
F1 2021 - 3840 x 2160 - Ultra High (FPS)	46	55	66	80	47	63	73	77	101	109	**116**	**38**	59	53	40	47	74	77	93	107
Normalized	39.66%	47.41%	56.9%	68.97%	40.52%	54.31%	62.93%	66.38%	87.07%	93.97%	100%	32.76%	50.86%	45.69%	34.48%	40.52%	63.79%	66.38%	80.17%	92.24%
Standard Deviation	0%	0%	0%	0%	0%	0%	0%	0.7%	0%	0%	0.5%	2.3%	0%	1.1%	1.4%	3.3%	0%	0%	0%	0.5%
HITMAN 3 - 1920 x 1080 - Ultra	**120.43**	136.02	156.40	185.89	135.87	175.38	193.01	206.56	251.95	265.06	276.37	131.31	189.22	172.38	157.78	187.12	222.34	228.50	267.41	**303.63**
Normalized	39.66%	44.8%	51.51%	61.22%	44.75%	57.76%	63.57%	68.03%	82.98%	87.3%	91.02%	43.25%	62.32%	56.77%	51.96%	61.63%	73.23%	75.26%	88.07%	100%
Standard Deviation	0.2%	0.2%	0.2%	0.1%	0.2%	0.1%	0.3%	0.2%	0.1%	0.2%	0.1%	0%	0.2%	0%	0.4%	0%	0.4%	0.3%	0.3%	0.4%
HITMAN 3 - 2560 x 1440 - Ultra	**80.72**	92.90	107.91	130.25	90.15	118.37	132.02	142.89	179.39	191.52	201.51	86.22	127.80	113.99	99.21	119.43	149.97	154.53	188.18	**216.38**
Normalized	37.3%	42.93%	49.87%	60.2%	41.66%	54.7%	61.01%	66.04%	82.91%	88.51%	93.13%	39.85%	59.06%	52.68%	45.85%	55.19%	69.31%	71.42%	86.97%	100%
Standard Deviation	0.2%	0.1%	0.3%	0.2%	0.1%	0.1%	0.2%	0%	0%	0.2%	0%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%

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HITMAN 3 - 3840 x 2160 - Ultra	44.51	51.76	61.32	75.01	49.23	65.67	74.19	80.70	103.88	112.37	118.95	47.14	71.79	62.03	49.88	60.19	81.11	83.99	104.96	121.74
Normalized	36.56	42.52	50.37	61.61	40.44	53.94	60.94	66.29	85.33	92.3	97.71	38.72	58.97	50.95	40.97	49.44	66.63	68.99	86.22	100%
Standard Deviation	0%	0%	0%	0%	0%	0.1%	0.1%	0.1%	0.1%	0.1%	0%	0.1%	0.1%	0.2%	0%	0.2%	0.1%	0.1%	0.2%	0%
Deus Ex: Mankind Divided - 2560 x 1440 - High Quality (FPS)	56.2	64.6	71.8	78.6	56.9	73.2	78.0	79.2	78.3	81.0	82.3	55.9	81.1	75.1	62.5	74.1	99.4	101.1	113.3	118.2
Normalized	47.55	54.65	60.74	66.5	48.14	61.93	65.99	67.01	66.24	68.53	69.63	47.29	68.61	63.54	52.88	62.69	84.09	85.53	95.85	100%
Standard Deviation	0.6%	0.7%	0.9%	1.4%	0.2%	1.5%	1.4%	2.5%	1.7%	2.9%	2.1%	0.1%	0.4%	0.9%	0.2%	0.1%	0.2%	0.1%	0.1%	1.6%
Deus Ex: Mankind Divided - 2560 x 1440 - High Quality (FPS/Watt	0.613	0.638	0.906	0.632	0.729	0.733	0.977	0.738	0.56	0.376	0.568	0.466	0.566	0.57	0.778	0.815	0.729	0.622	0.807	0.698
Normalized	62.74	65.3	92.73	64.69	74.62	75.03	100%	75.54	57.32	38.49	58.14	47.7	57.93	58.34	79.63	83.42	74.62	63.66	82.6	71.44
Standard Deviation	0.3%	0.2%	1.2%	0.5%	0.1%	0.1%	0.4%	2.1%	1.8%	3%	0.9%	0.1%	0.3%	0.1%	0.1%	0.1%	0.9%	0.5%	0.5%	0.8%
Batman: Arkham Knight - 3840 x 2160 - High	62.59	71.25	81.08	104.20	57.74	91.14	101.74	103.40	134.81	148.10	148.96	49.75	77.16	66.71	52.45	61.07	89.90	92.97	120.33	140.16
Normalized	42.02	47.83	54.43	69.95	38.76	61.18	68.3	69.41	90.5	99.42	100%	33.4	51.8	44.78	35.21	41%	60.35	62.41	80.78	94.09
Standard Deviation	0.3%	0.2%	1.2%	0.5%	0.1%	0.1%	0.4%	2.1%	1.8%	3%	0.9%	0.1%	0.3%	0.1%	0.1%	0.1%	0.9%	0.5%	0.5%	0.8%

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Batman: Arkham Knight - 3840 x 2160 - High (FPS/Watt	0.442	0.415	0.429	0.501	0.449	0.569	0.578	0.456	0.52	0.518	0.527	**0.38**	0.479	0.472	0.662	0.658	0.609	0.564	**0.758**	0.693
Normalized	58.31%	54.75%	56.6%	66.09%	59.23%	75.07%	76.25%	60.16%	68.6%	68.34%	69.53%	50.13%	63.19%	62.27%	87.34%	86.81%	80.34%	74.41%	100%	91.42%
Strange Brigade - 2560 x 1440 - Ultra	134.3	156.0	182.0	215.2	137.9	183.5	202.2	218.0	226.0	223.6	**227.0**	**105.7**	160.5	142.2	112.8	130.5	194.5	200.7	224.4	223.7
Normalized	59.16%	68.72%	80.18%	94.8%	60.75%	80.84%	89.07%	96.04%	99.56%	98.5%	100%	46.56%	70.7%	62.64%	49.69%	57.49%	85.68%	88.41%	98.85%	98.55%
Standard Deviation	0.6%	0.3%	0.6%	1%	0.3%	1.2%	0.2%	1.1%	1.1%	1.1%	0.2%	0.3%	0.3%	0.1%	0.1%	0.3%	0.2%	0.3%	0.4%	0.2%
Strange Brigade - 2560 x 1440 - Ultra (FPS/Watt	1.02	1.022	1.088	1.153	1.152	1.264	1.302	1.065	0.993	0.925	0.928	**0.852**	1.1	1.081	1.564	1.546	1.515	1.399	**1.723**	1.457
Normalized	59.2%	59.32%	63.15%	66.92%	66.86%	73.36%	75.57%	61.81%	57.63%	53.69%	53.86%	49.45%	63.84%	62.74%	90.77%	89.73%	87.93%	81.2%	100%	84.56%
Strange Brigade - 3840 x 2160 - Ultra	78.1	90.9	105.2	131.3	81.6	110.9	121.2	139.5	173.0	190.1	**200.2**	64.3	104.0	86.8	**59.4**	68.6	105.9	109.2	139.6	160.8
Normalized	39.01%	45.4%	52.55%	65.58%	40.76%	55.39%	60.54%	69.68%	86.41%	94.96%	100%	32.12%	51.95%	43.36%	29.67%	34.27%	52.9%	54.55%	69.73%	80.32%
Standard Deviation	0.1%	0.6%	0.7%	0.2%	0.5%	0.3%	0.8%	0.3%	0.4%	1.6%	0.7%	0.4%	0.2%	0.6%	0.4%	0.2%	0.7%	0.8%	0.2%	0.8%
Strange Brigade - 3840 x 2160 - Ultra (FPS/Watt	0.594	0.578	0.595	0.687	0.662	0.761	0.758	0.661	0.734	0.725	0.787	**0.513**	0.641	0.686	0.793	0.795	0.804	0.752	**0.982**	0.928
Normalized	60.49%	58.86%	60.59%	69.96%	67.41%	77.49%	77.19%	67.31%	74.75%	73.83%	80.14%	52.24%	65.27%	69.86%	80.75%	80.96%	81.87%	76.58%	100%	94.5%
Unvanquished - 3840 x 2160 -	313.7	364.9	431.5	460.1	**288.8**	388.2	446.0	426.8	513.6	491.0	**520.6**	359.6	429.8	407.9	360.2	419.5	441.4	438.3	439.6	437.6
Normalized	60.26%	70.09%	82.89%	88.38%	55.47%	74.57%	85.67%	81.98%	98.66%	94.31%	100%	69.07%	82.56%	78.35%	69.19%	80.58%	84.79%	84.19%	84.44%	84.06%
Standard Deviation	0.4%	3.4%	0.4%	12.3%	0.3%	2.8%	0.4%	11.2%	1.3%	9.6%	0.9%	0.1%	0.4%	0.2%	0.1%	0.4%	0.5%	0.2%	0.4%	0.9%

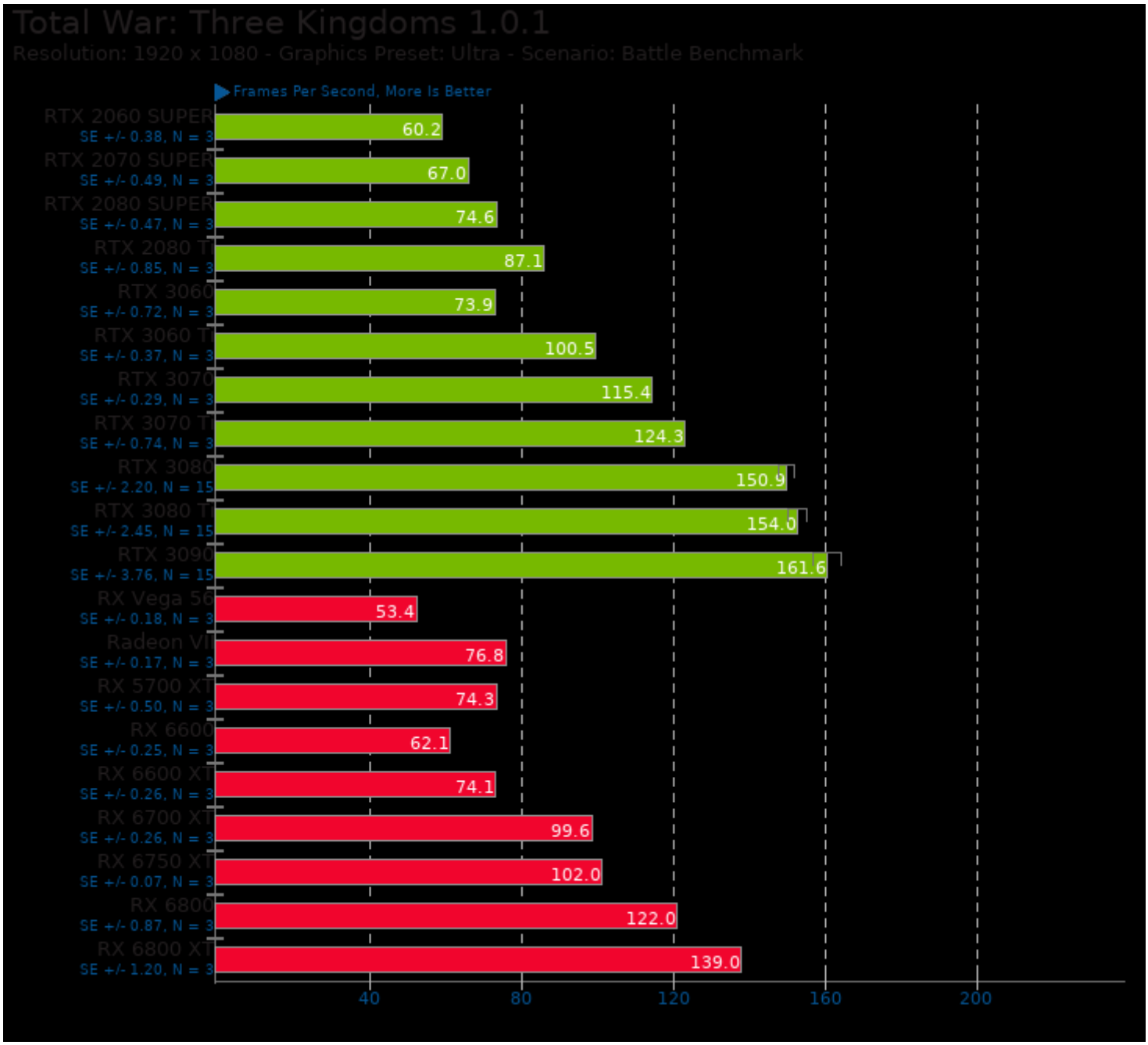
Radeon RX 6750 XT Linux Review Benchmarks

Unvanquished - 3840 x 2160 - Ultra	3.159	3.215	4.065	3.595	3.47	3.607	4.455	3.181	3.673	**2.822**	3.573	4.229	5.059	4.68	6.56	**7.278**	6.519	5.37	6.664	5.902
Normalized	43.4%	44.17%	55.85%	49.4%	47.68%	49.56%	61.21%	43.71%	50.47%	38.77%	49.09%	58.11%	69.51%	64.3%	90.13%	100%	89.57%	73.78%	91.56%	81.09%
Unigine Superposition - 1920 x 1080 - Fullscreen - High - OpenGL (FPS)	78.4	92.8	106.4	126.1	76.6	106.2	119.8	127.7	154.8	166.4		**62.4**	90.6	90.1	76.6	97.4	123.0	127.7	152.3	**178.1**
Normalized	44.02%	52.11%	59.74%	70.8%	43.01%	59.63%	67.27%	71.7%	86.92%	93.43%		35.04%	50.87%	50.59%	43.01%	54.69%	69.06%	71.7%	85.51%	100%
Standard Deviation	0.2%	0.3%	0.1%	1.6%	0.1%	0.2%	0.1%	0.1%	0%	0.2%		0.1%	0%	0.3%	0%	0.1%	0.1%	0%	0.1%	0.2%
Unigine Superposition - 1920 x 1080 - Fullscreen - High - OpenGL (FPS/Watt	0.494	0.498	0.517	0.547	0.574	0.602	0.621	0.512	0.54	0.53		**0.406**	0.457	0.54	**0.817**	0.746	0.706	0.65	0.799	0.749
Normalized	60.47%	60.95%	63.28%	66.95%	70.26%	73.68%	76.01%	62.67%	66.1%	64.87%		49.69%	55.94%	66.1%	100%	91.31%	86.41%	79.56%	97.8%	91.68%
Unigine Superposition - 1920 x 1080 - Fullscreen - Ultra - OpenGL (FPS)	32.8	39.2	44.4	56.7	34.1	48.9	57.5	60.3	72.8	**79.2**		**27.4**	39	35.4	32	40.6	49.6	51.2	60.6	72.9
Normalized	41.41%	49.49%	56.06%	71.59%	43.06%	61.74%	72.6%	76.14%	91.92%	100%		34.6%	49.24%	44.7%	40.4%	51.26%	62.63%	64.65%	76.52%	92.05%
Standard Deviation	0.2%	0.1%	0.2%	0.3%	0%	0%	0%	0.2%	0.1%	0%		0%	0%	0%	0%	0%	0%	0%	0.1%	0.1%

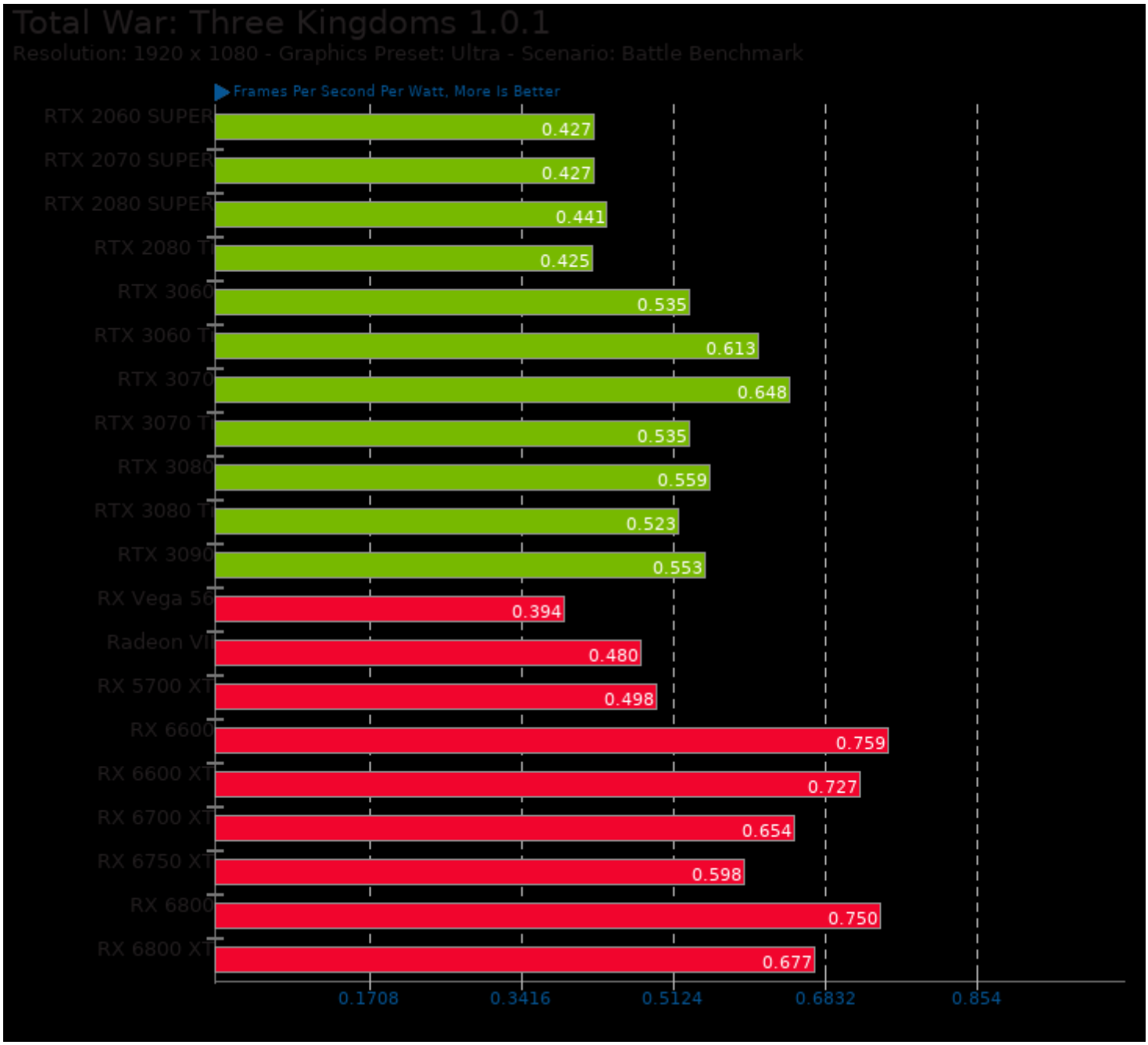
Radeon RX 6750 XT Linux Review Benchmarks

Unigine Superposition - 1920 x 1080 - Fullscreen - Ultra - OpenGL (FPS/Watt	0.21	0.21	0.209	0.239	0.24	0.278	0.298	0.239	0.255	0.252	**0.176**	0.204	0.21	**0.341**	0.313	0.284	0.261	0.318	0.301
Normalized	61.58%	61.58%	61.29%	70.09%	70.38%	81.52%	87.39%	70.09%	74.78%	73.9%	51.61%	59.82%	61.58%	100%	91.79%	83.28%	76.54%	93.26%	88.27%
Unigine Superposition - 2560 x 1440 - Fullscreen - High - OpenGL (FPS)	50.5	60.2	69.7	83.0	49.5	68.3		83.1	103.0	111.7	**38.3**	56.4	55.2	45.1	57.5	76.8	80.1	97.3	**112.6**
Normalized	44.85%	53.46%	61.9%	73.71%	43.96%	60.66%		73.8%	91.47%	99.2%	34.01%	50.09%	49.02%	40.05%	51.07%	68.21%	71.14%	86.41%	100%
Standard Deviation	0.2%	0%	0.2%	0.2%	0%	0.1%		0.1%	0.1%	0.1%	0%	0%	0.1%	0%	0%	0.1%	0%	0.1%	0.1%
Unigine Superposition - 2560 x 1440 - Fullscreen - High - OpenGL (FPS/Watt	0.32	0.32	0.322	0.35	0.343	0.378		0.327	0.357	0.358	**0.247**	0.276	0.325	0.474	0.429	0.441	0.407	**0.505**	0.469
Normalized	63.37%	63.37%	63.76%	69.31%	67.92%	74.85%		64.75%	70.69%	70.89%	48.91%	54.65%	64.36%	93.86%	84.95%	87.33%	80.59%	100%	92.87%

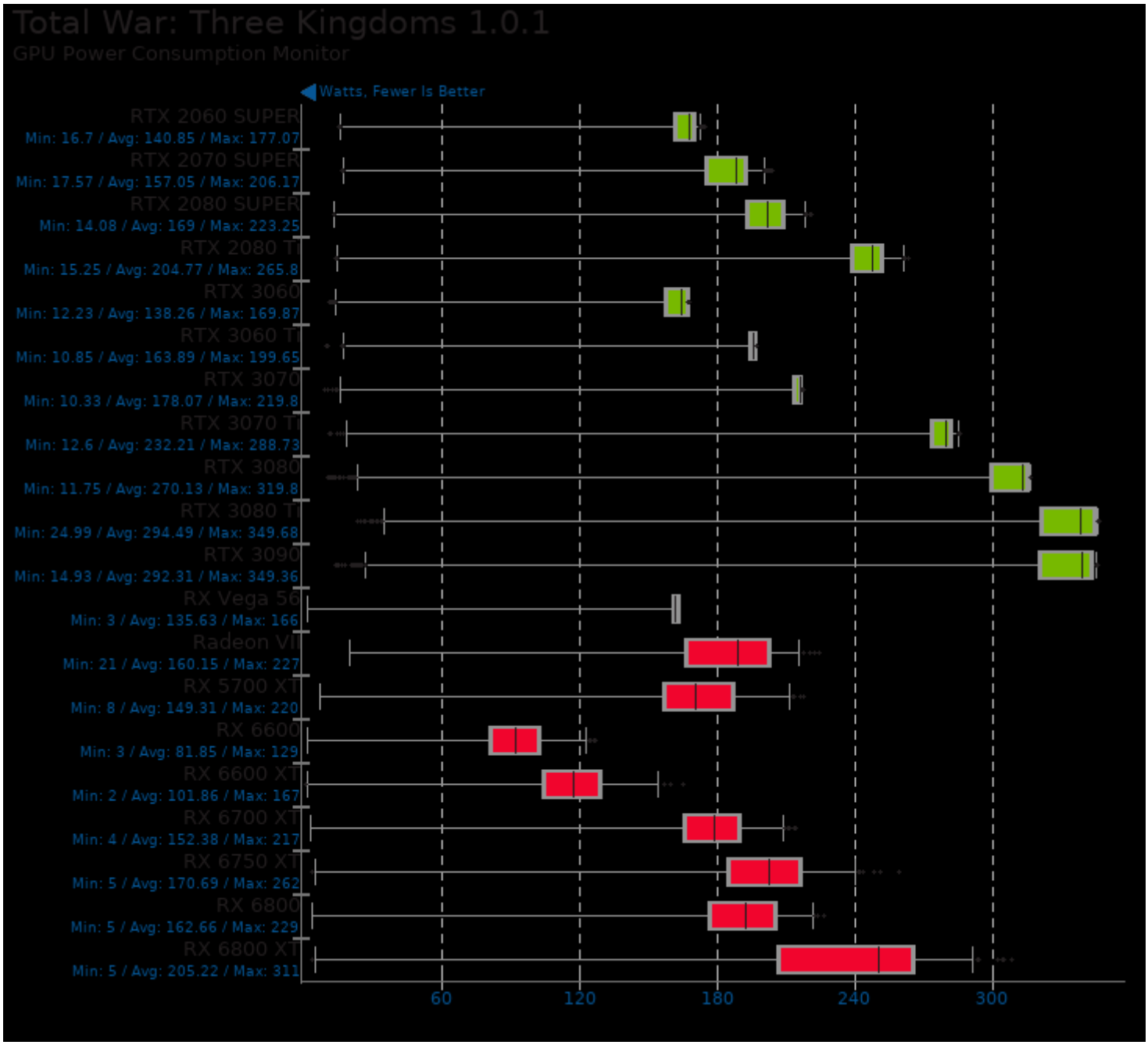
Radeon RX 6750 XT Linux Review Benchmarks

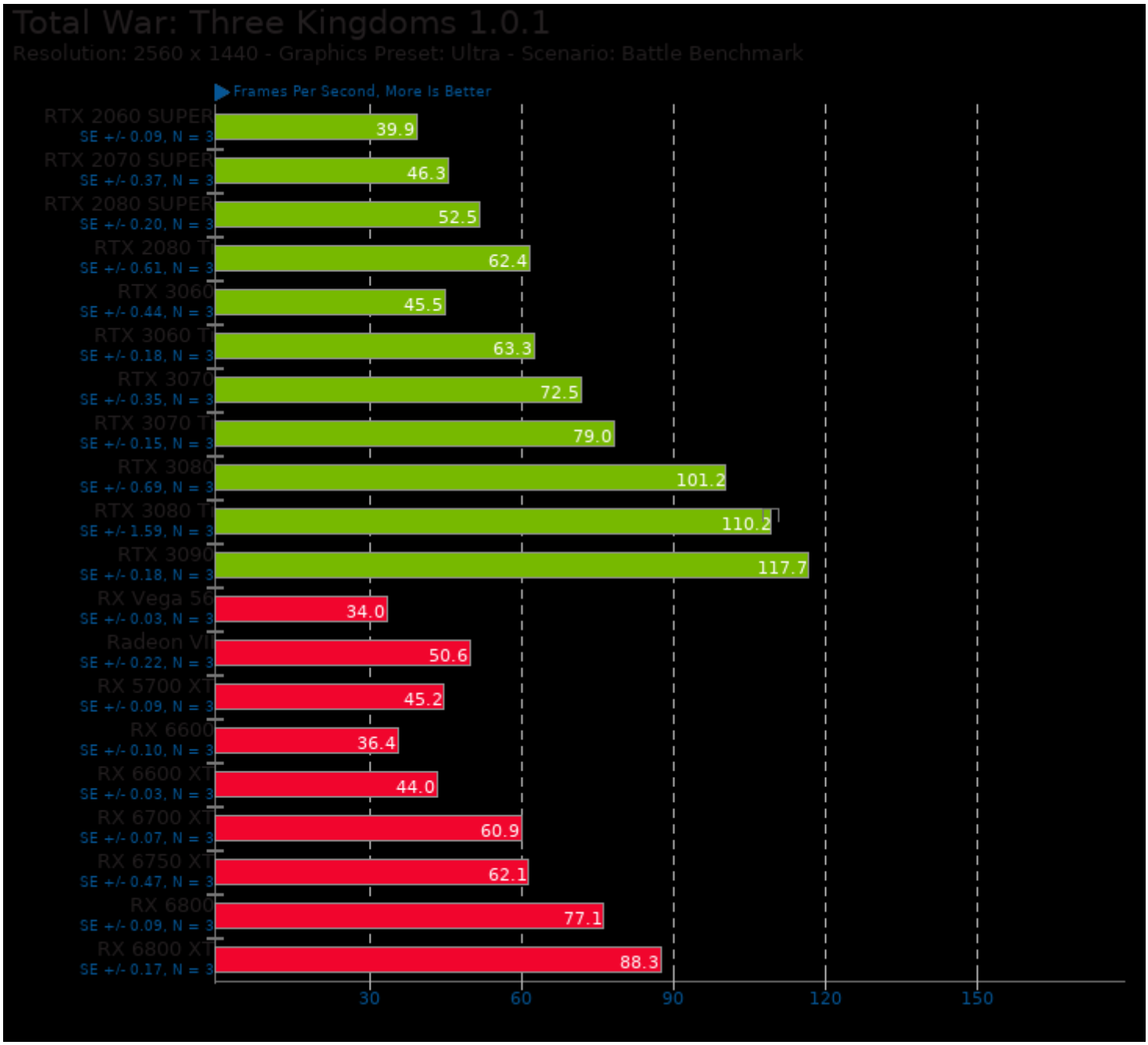


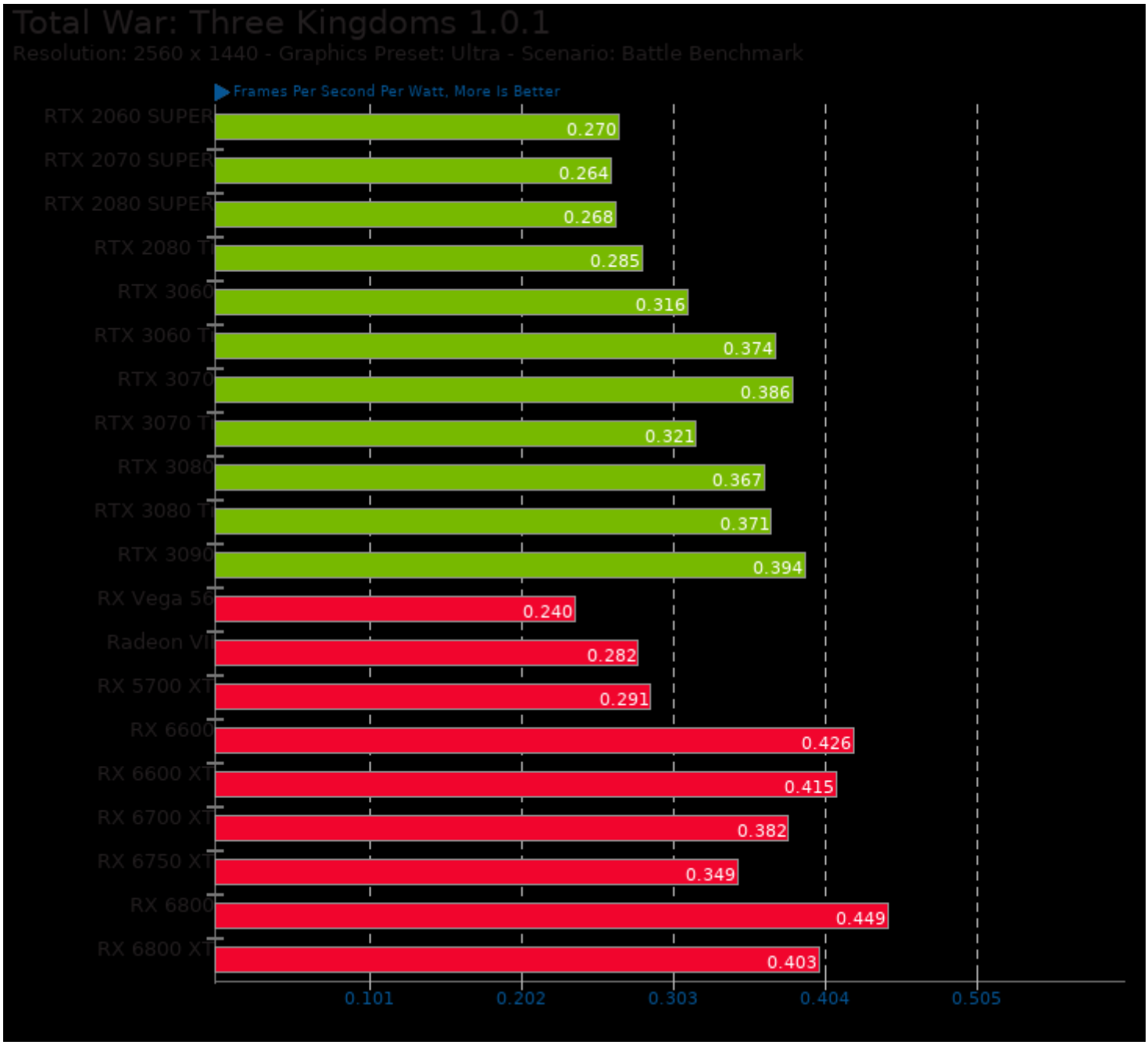
Radeon RX 6750 XT Linux Review Benchmarks



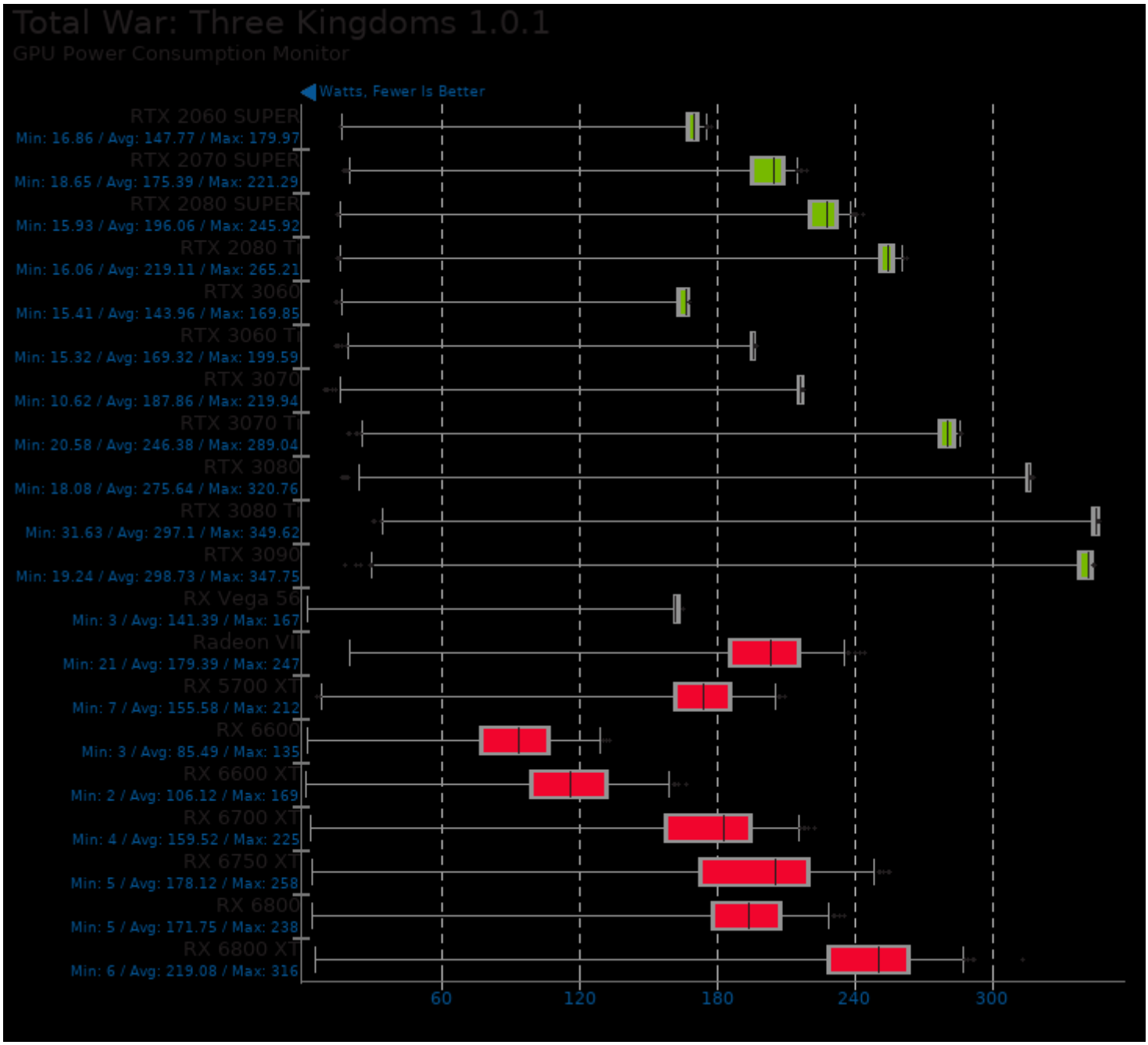
Radeon RX 6750 XT Linux Review Benchmarks



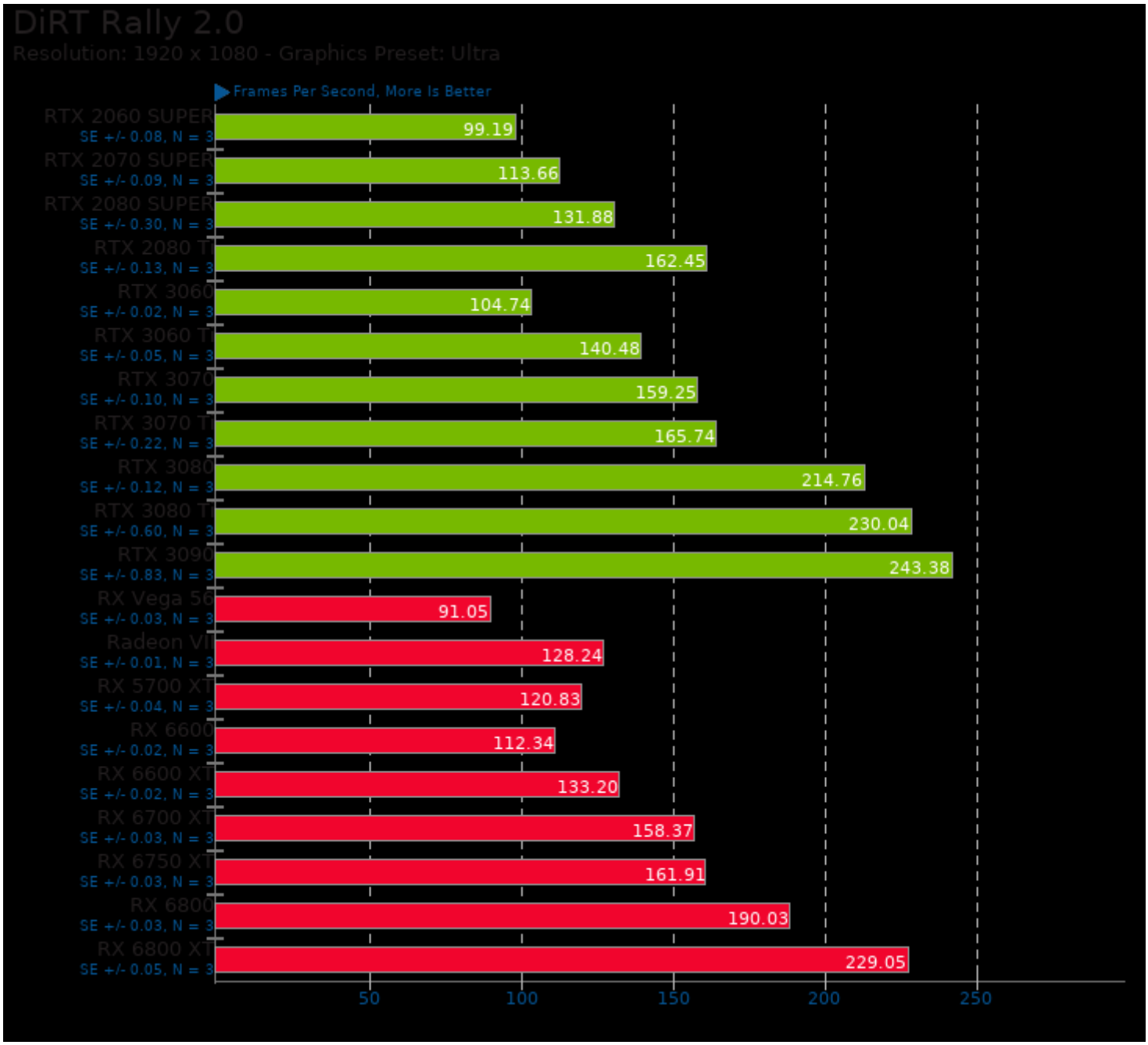

Total War: Three Kingdoms 1.0.1
Resolution: 2560 x 1440 - Graphics Preset: Ultra - Scenario: Battle Benchmark
Frames Per Second, More Is Better
RTX 2060 SUPER
SE +/- 0.09, N = 3
39.9
RTX 2070 SUPER
SE +/- 0.37, N = 3
46.3
RTX 2080 SUPER
SE +/- 0.20, N = 3
52.5
RTX 2080 T
SE +/- 0.61, N = 3
62.4
RTX 3060
SE +/- 0.44, N = 3
45.5
RTX 3060 T
SE +/- 0.18, N = 3
63.3
RTX 3070
SE +/- 0.35, N = 3
72.5
RTX 3070 T
SE +/- 0.15, N = 3
79.0
RTX 3080
SE +/- 0.69, N = 3
101.2
RTX 3080 T
SE +/- 1.59, N = 3
110.2
RTX 3090
SE +/- 0.18, N = 3
117.7
RX Vega 56
SE +/- 0.03, N = 3
34.0
Radeon VII
SE +/- 0.22, N = 3
50.6
RX 5700 XT
SE +/- 0.09, N = 3
45.2
RX 6600
SE +/- 0.10, N = 3
36.4
RX 6600 XT
SE +/- 0.03, N = 3
44.0
RX 6700 XT
SE +/- 0.07, N = 3
60.9
RX 6750 XT
SE +/- 0.47, N = 3
62.1
RX 6800
SE +/- 0.09, N = 3
77.1
RX 6800 XT
SE +/- 0.17, N = 3
88.3
30
60
90
120
150

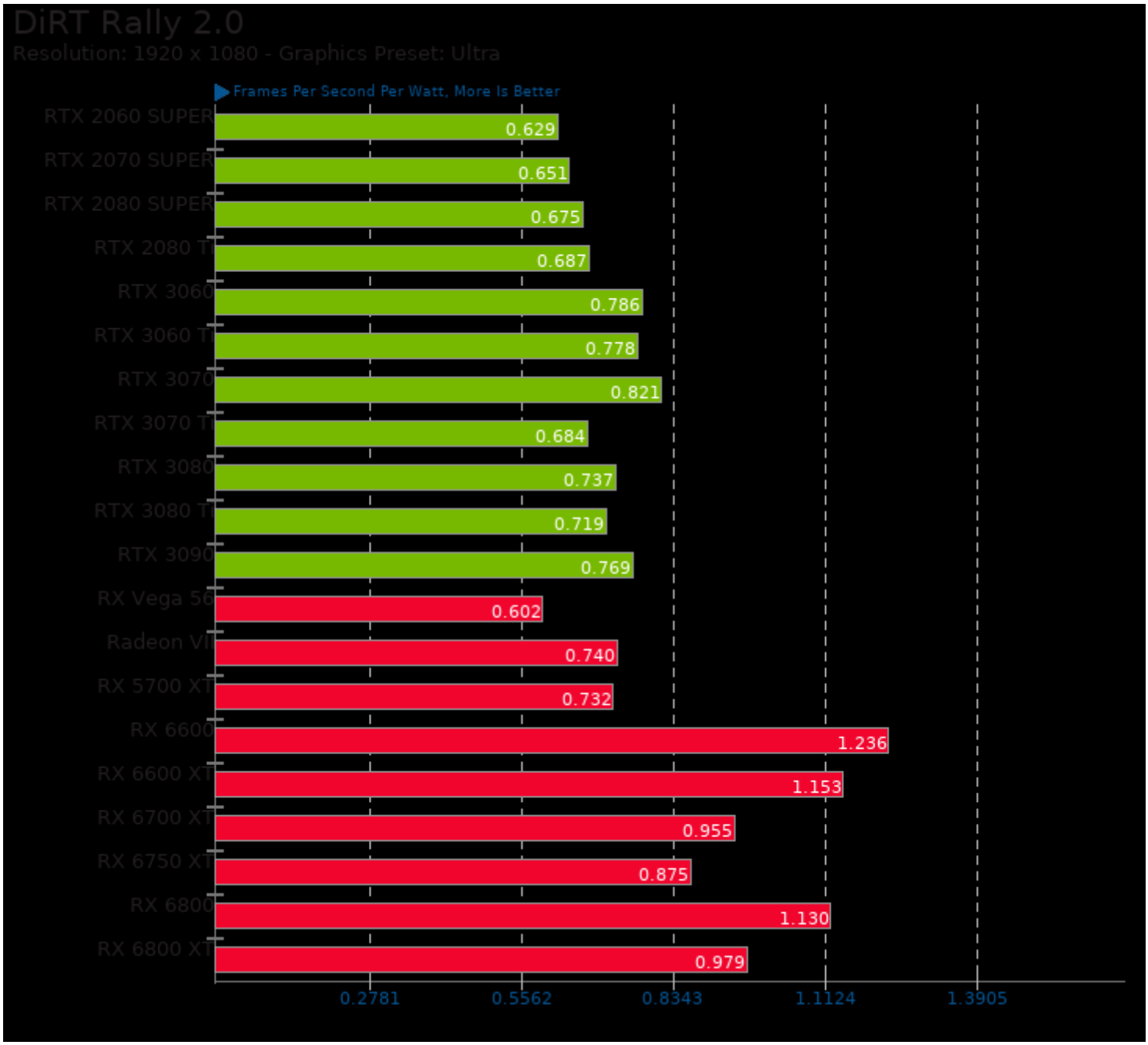

Total War: Three Kingdoms 1.0.1
Resolution: 2560 x 1440 - Graphics Preset: Ultra - Scenario: Battle Benchmark
Frames Per Second Per Watt, More Is Better
RTX 2060 SUPER
0.270
RTX 2070 SUPER
0.264
RTX 2080 SUPER
0.268
RTX 2080 Ti
0.285
RTX 3060
0.316
RTX 3060 Ti
0.374
RTX 3070
0.386
RTX 3070 Ti
0.321
RTX 3080
0.367
RTX 3080 Ti
0.371
RTX 3090
0.394
RX Vega 56
0.240
Radeon VII
0.282
RX 5700 XT
0.291
RX 6600
0.426
RX 6600 XT
0.415
RX 6700 XT
0.382
RX 6750 XT
0.349
RX 6800
0.449
RX 6800 XT
0.403
0.101
0.202
0.303
0.404
0.505

Radeon RX 6750 XT Linux Review Benchmarks

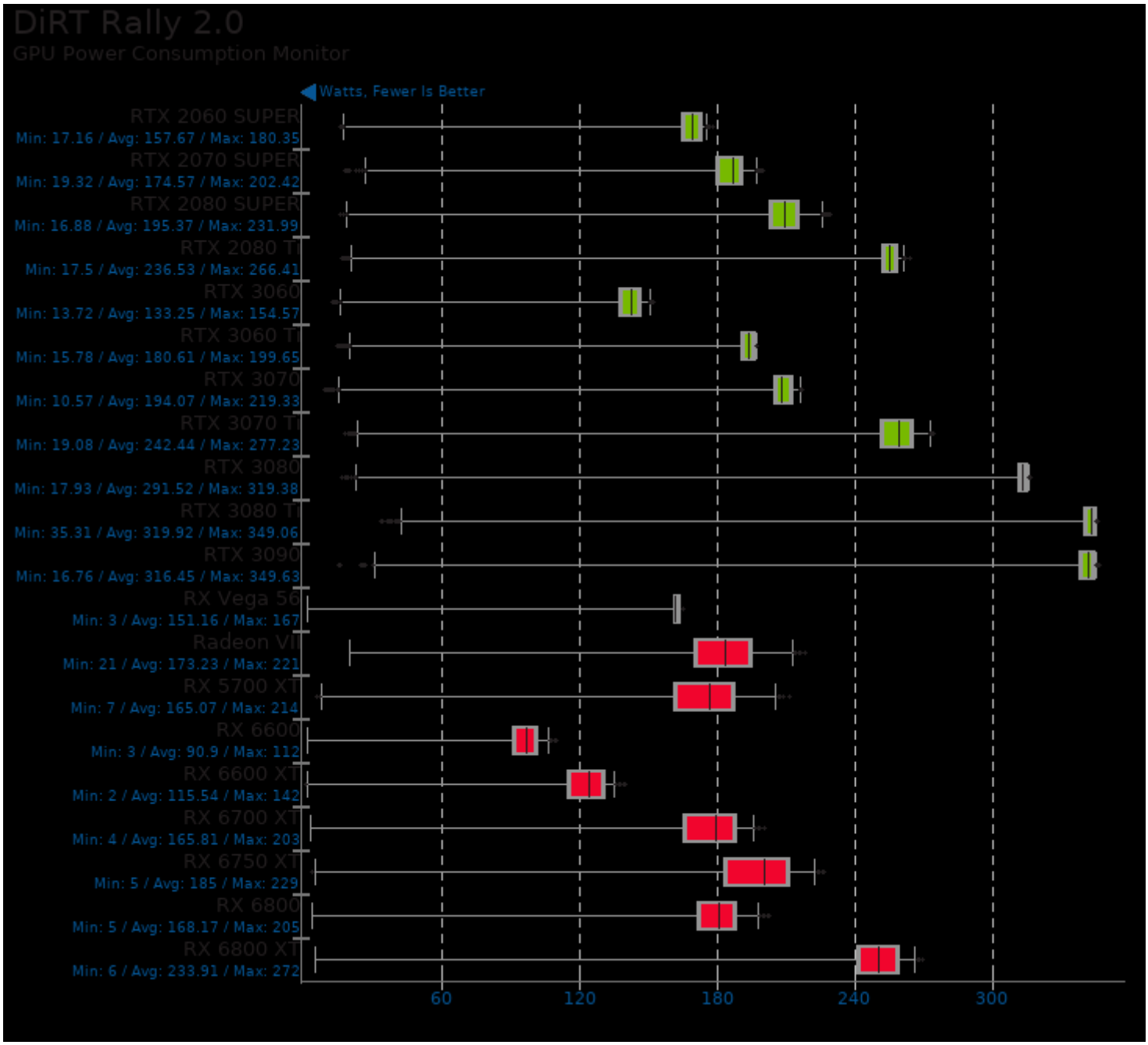


Radeon RX 6750 XT Linux Review Benchmarks

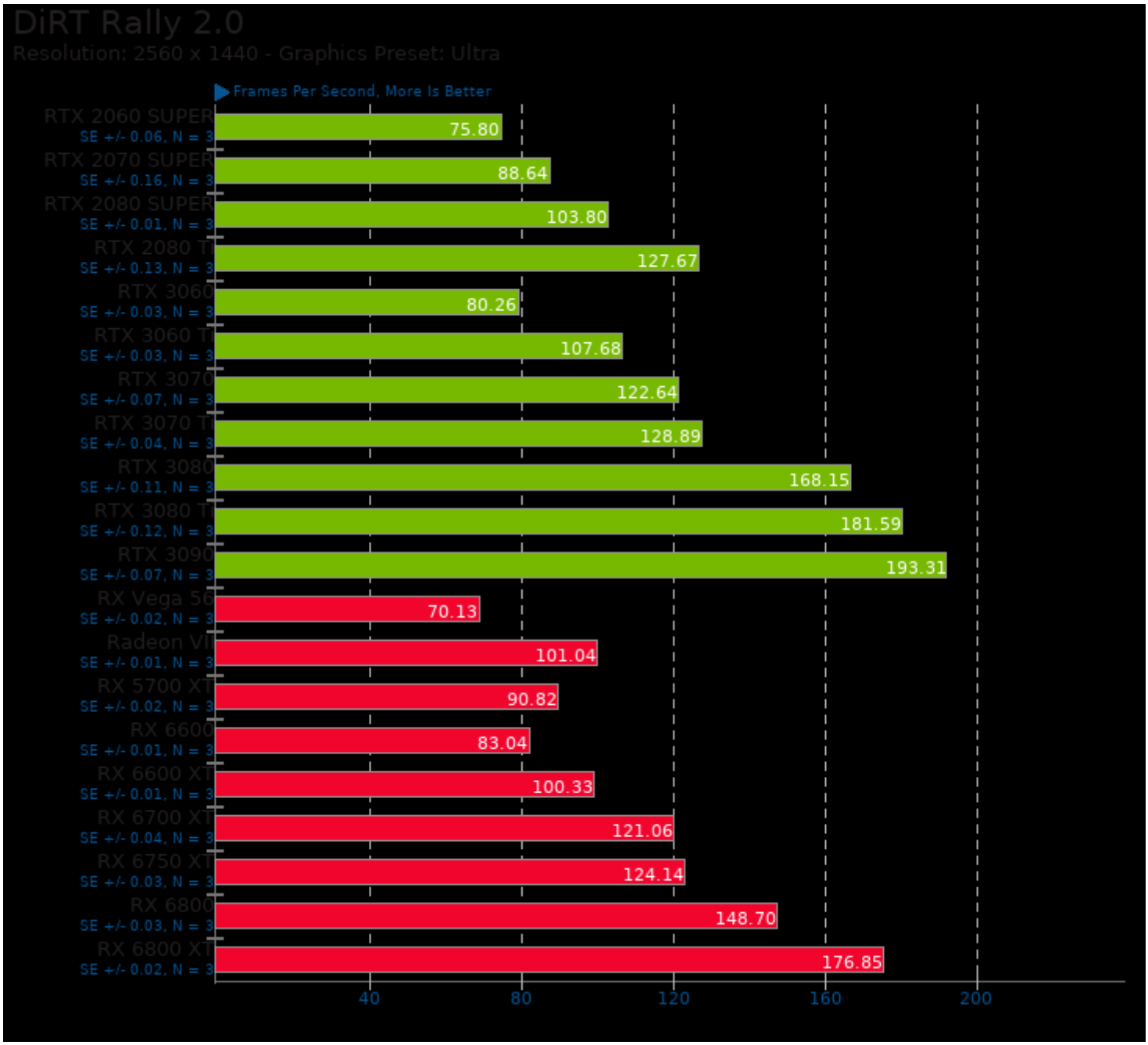


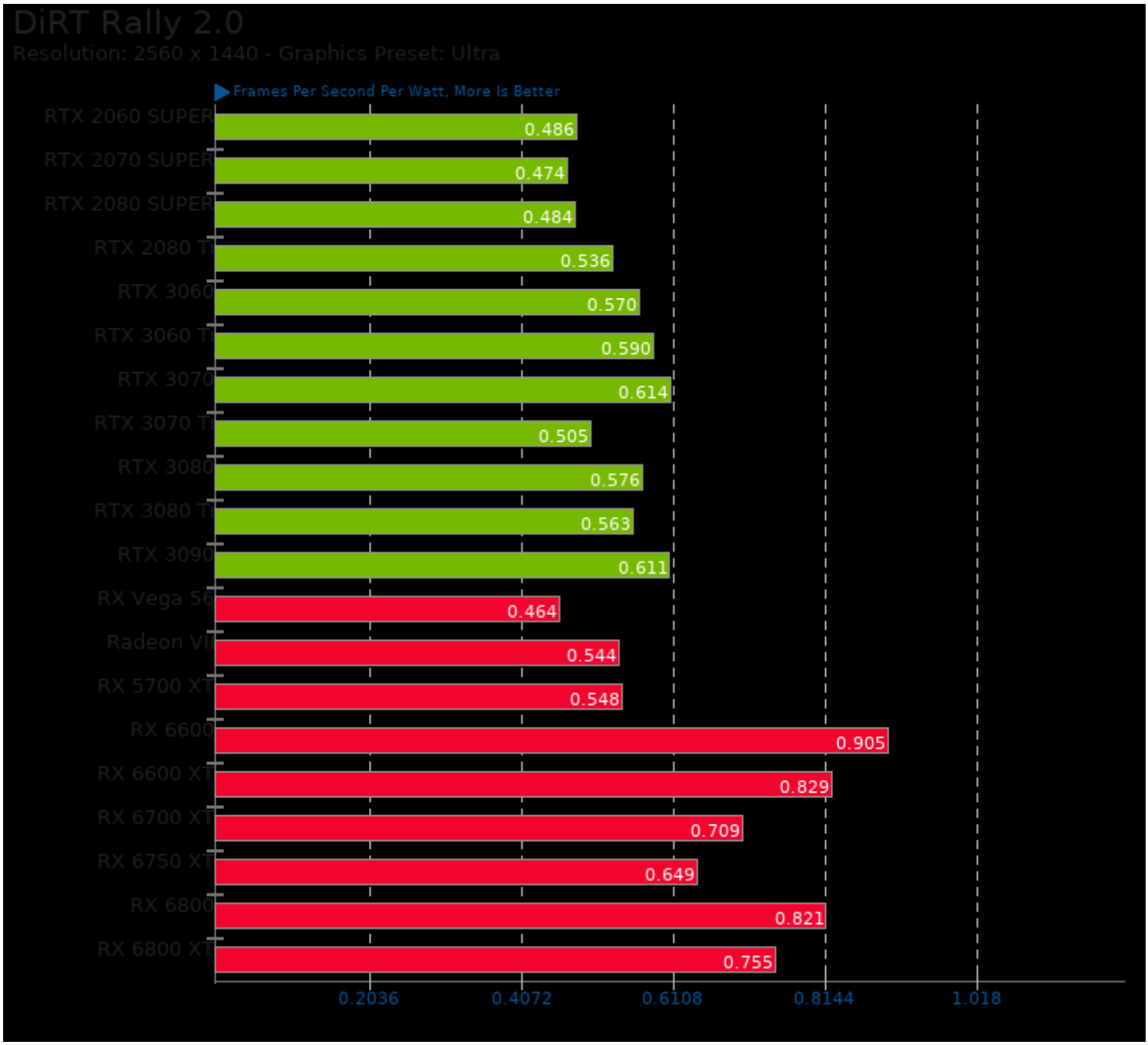

DiRT Rally 2.0
Resolution: 1920 x 1080 - Graphics Preset: Ultra
Frames Per Second Per Watt, More Is Better
RTX 2060 SUPER
RTX 2070 SUPER
RTX 2080 SUPER
RTX 2080 Ti
RTX 3060
RTX 3060 Ti
RTX 3070
RTX 3070 Ti
RTX 3080
RTX 3080 Ti
RTX 3090
RX Vega 56
Radeon VII
RX 5700 XT
RX 6600
RX 6600 XT
RX 6700 XT
RX 6750 XT
RX 6800
RX 6800 XT
0.629
0.651
0.675
0.687
0.786
0.778
0.821
0.684
0.737
0.719
0.769
0.602
0.740
0.732
1.236
1.153
0.955
0.875
1.130
0.979
0.2781
0.5562
0.8343
1.1124
1.3905

Radeon RX 6750 XT Linux Review Benchmarks

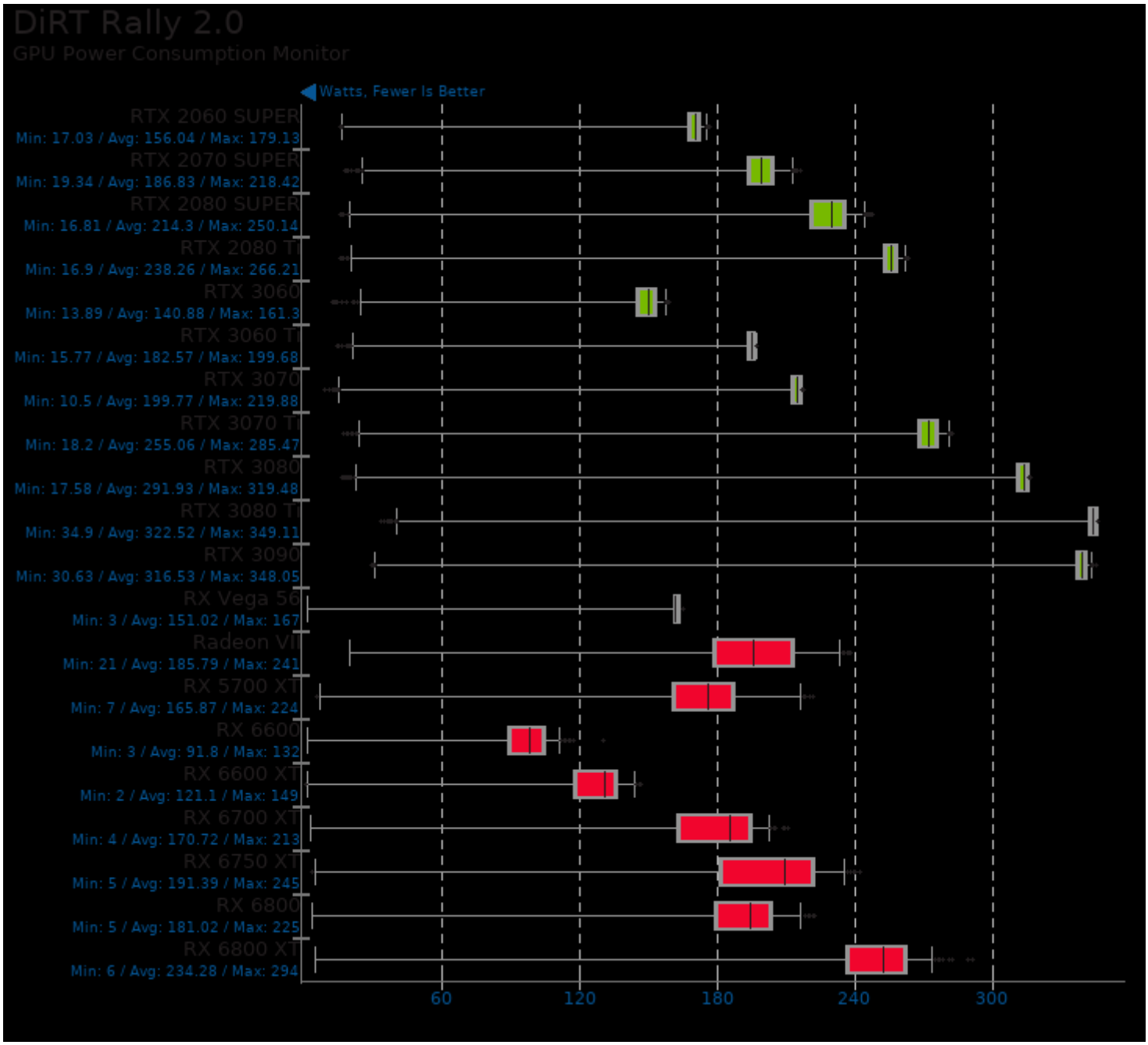


Radeon RX 6750 XT Linux Review Benchmarks

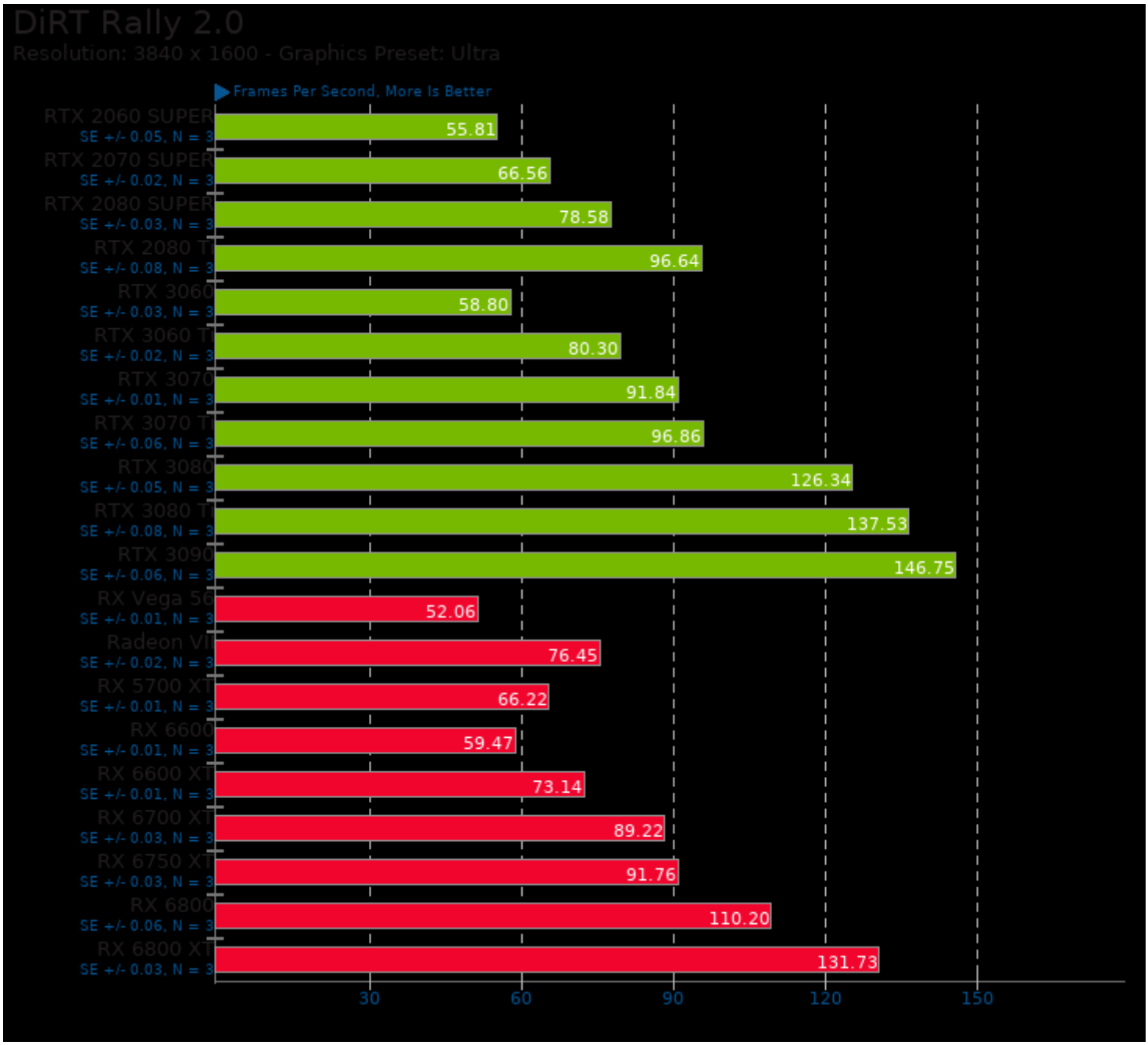



DiRT Rally 2.0
Resolution: 2560 x 1440 - Graphics Preset: Ultra
Frames Per Second Per Watt, More Is Better
RTX 2060 SUPER
RTX 2070 SUPER
RTX 2080 SUPER
RTX 2080 Ti
RTX 3060
RTX 3060 Ti
RTX 3070
RTX 3070 Ti
RTX 3080
RTX 3080 Ti
RTX 3090
RX Vega 56
Radeon VII
RX 5700 XT
RX 6600
RX 6600 XT
RX 6700 XT
RX 6750 XT
RX 6800
RX 6800 XT
0.486
0.474
0.484
0.536
0.570
0.590
0.614
0.505
0.576
0.563
0.611
0.464
0.544
0.548
0.905
0.829
0.709
0.649
0.821
0.755
0.2036
0.4072
0.6108
0.8144
1.018

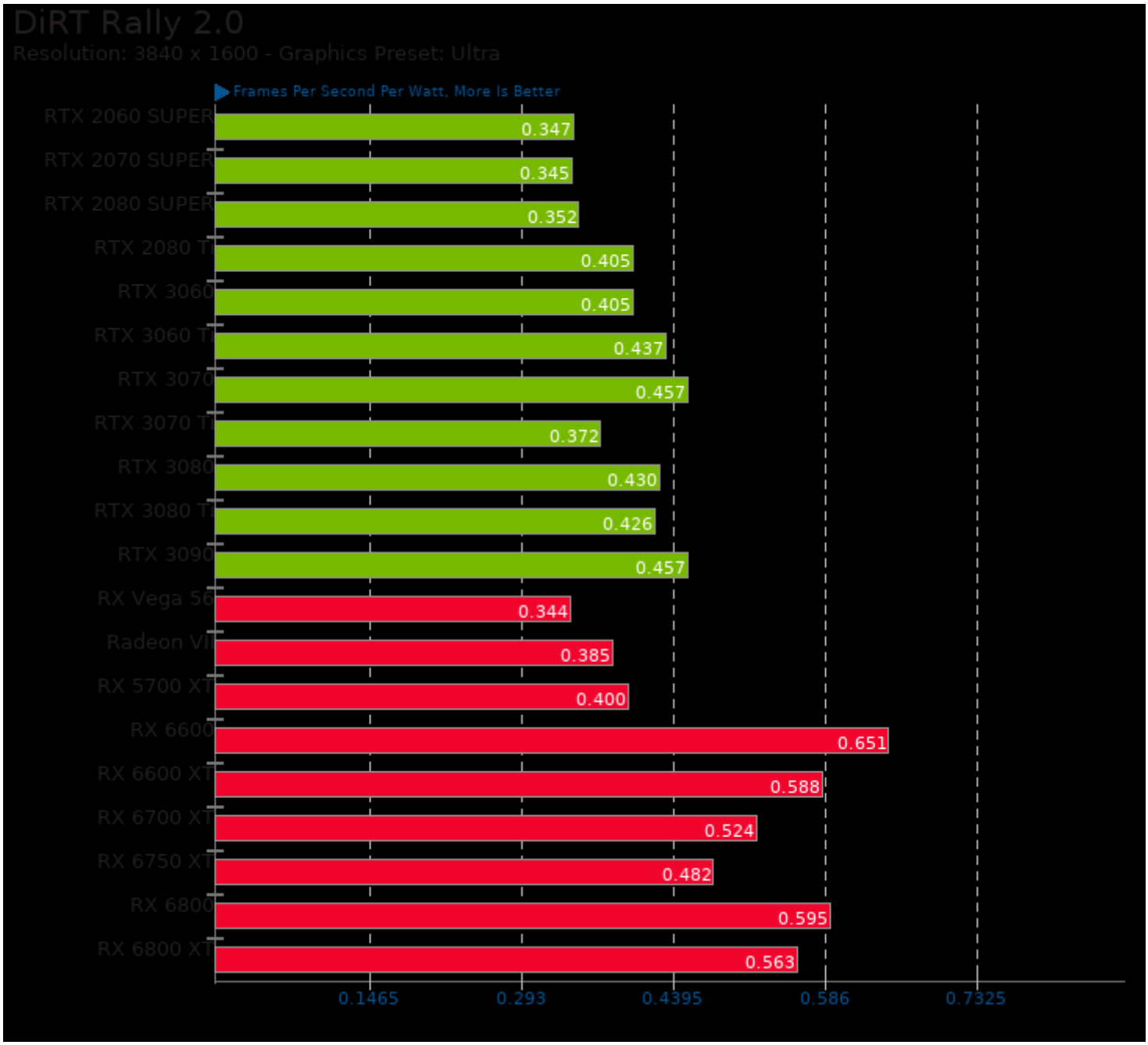
Radeon RX 6750 XT Linux Review Benchmarks



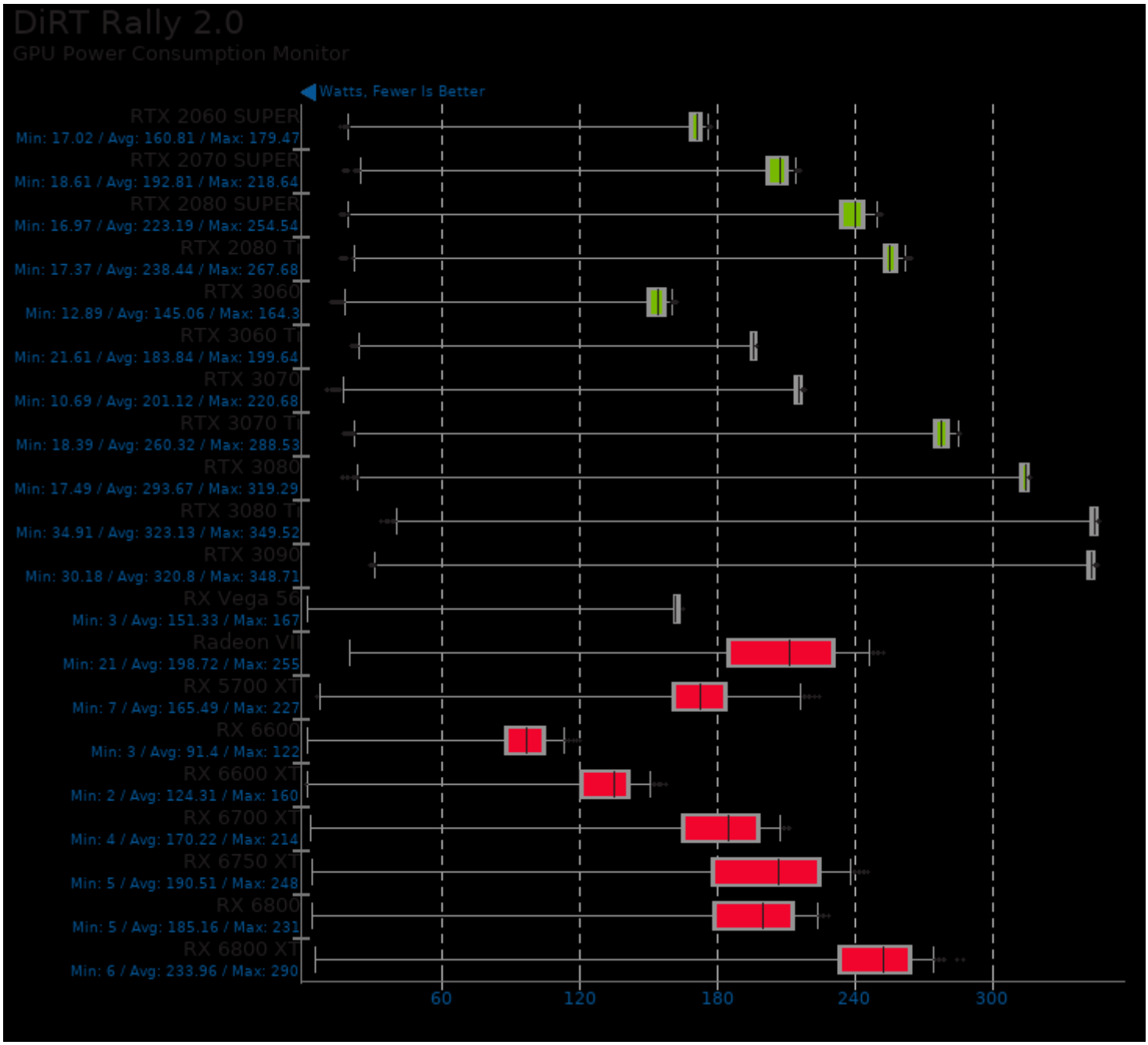
Radeon RX 6750 XT Linux Review Benchmarks



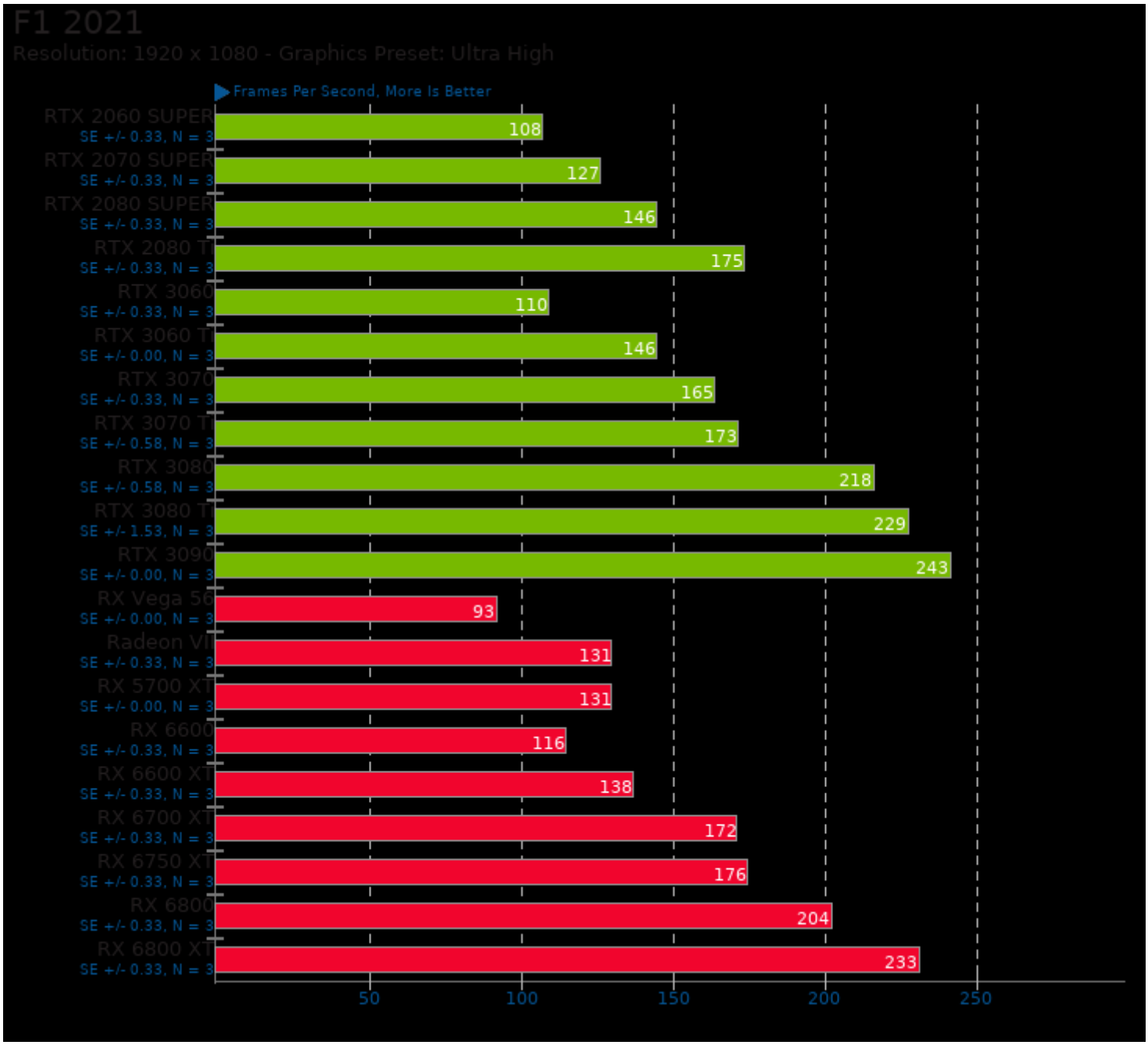
Radeon RX 6750 XT Linux Review Benchmarks



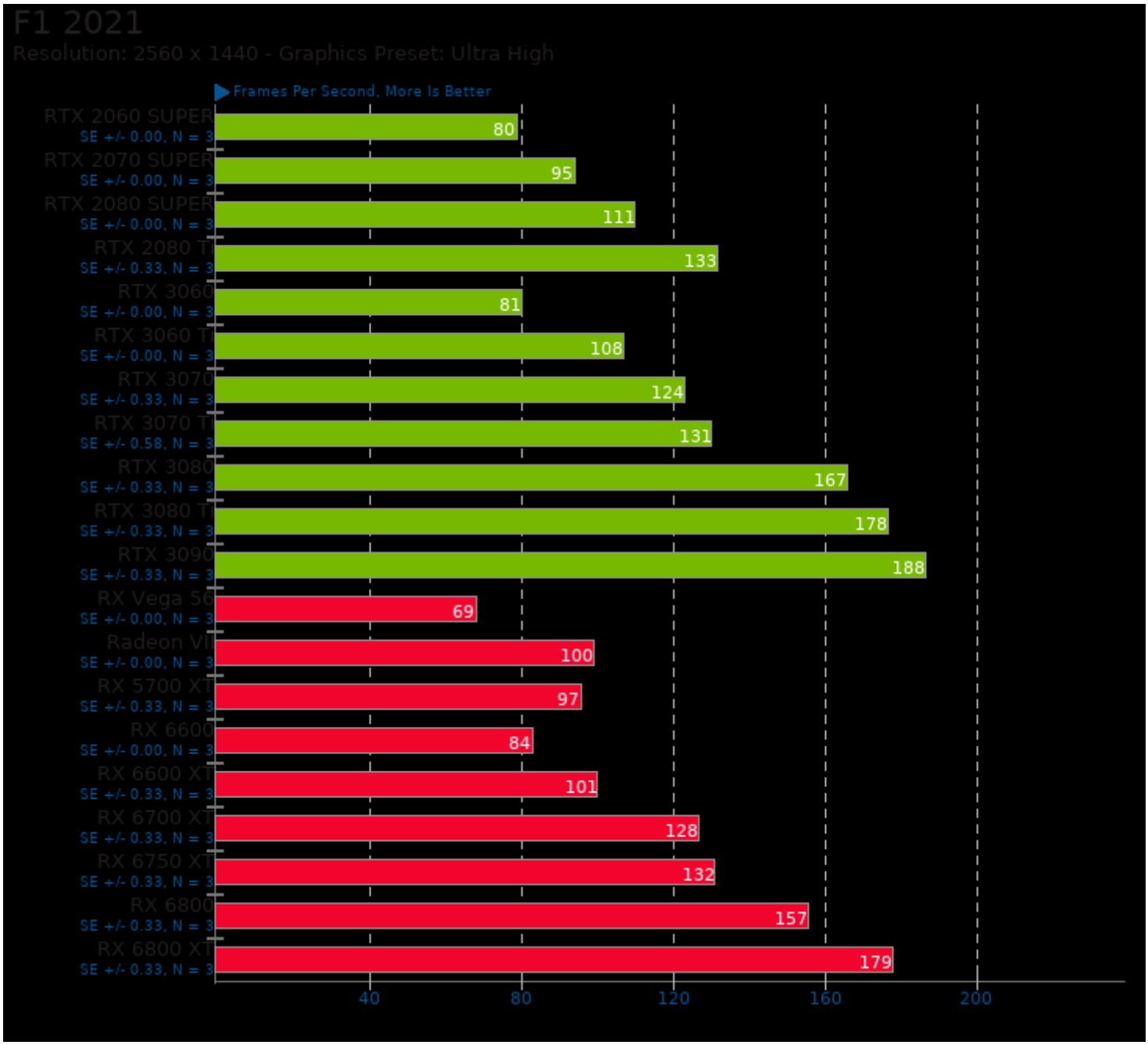
Radeon RX 6750 XT Linux Review Benchmarks



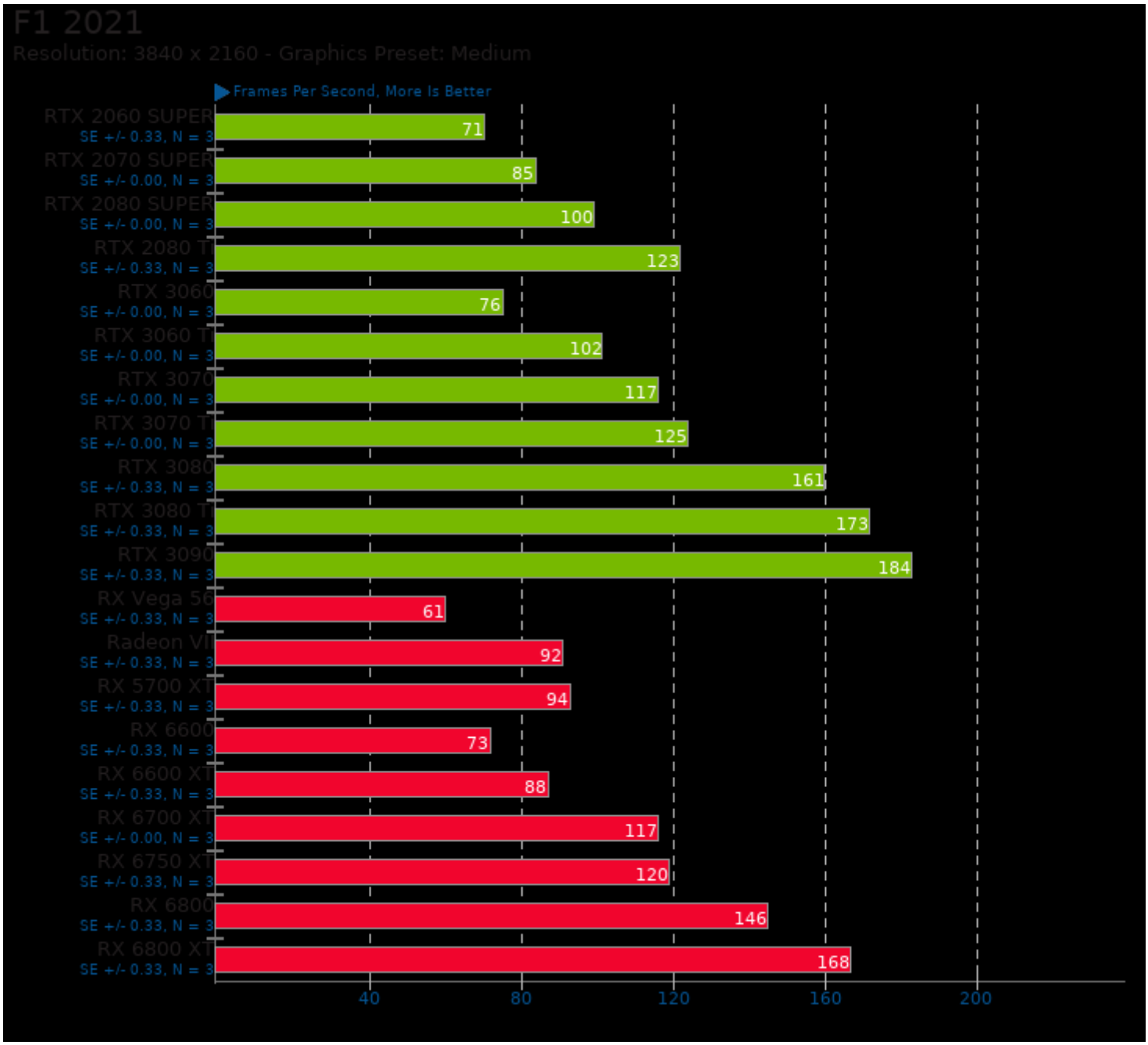
Radeon RX 6750 XT Linux Review Benchmarks



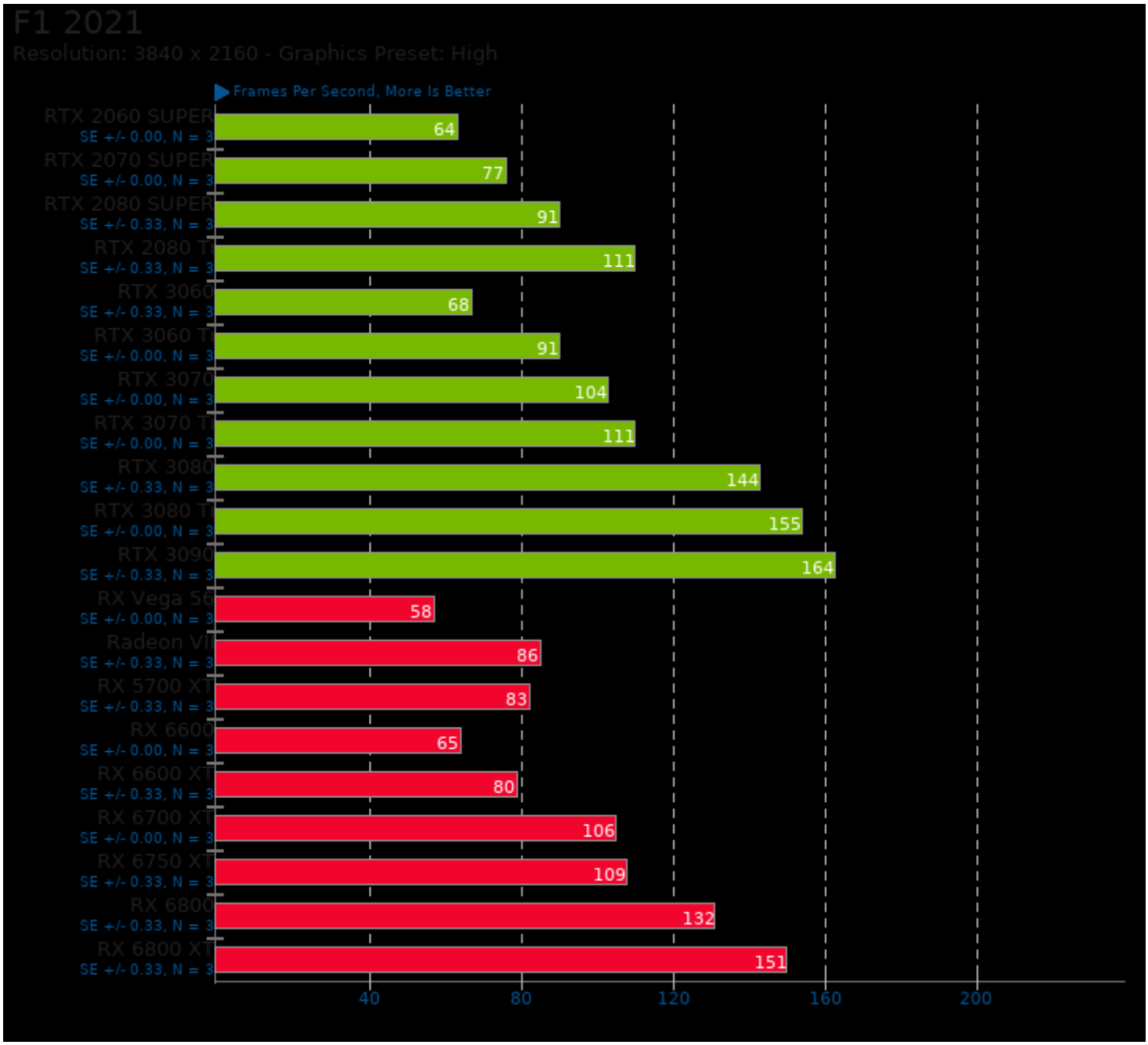
Radeon RX 6750 XT Linux Review Benchmarks



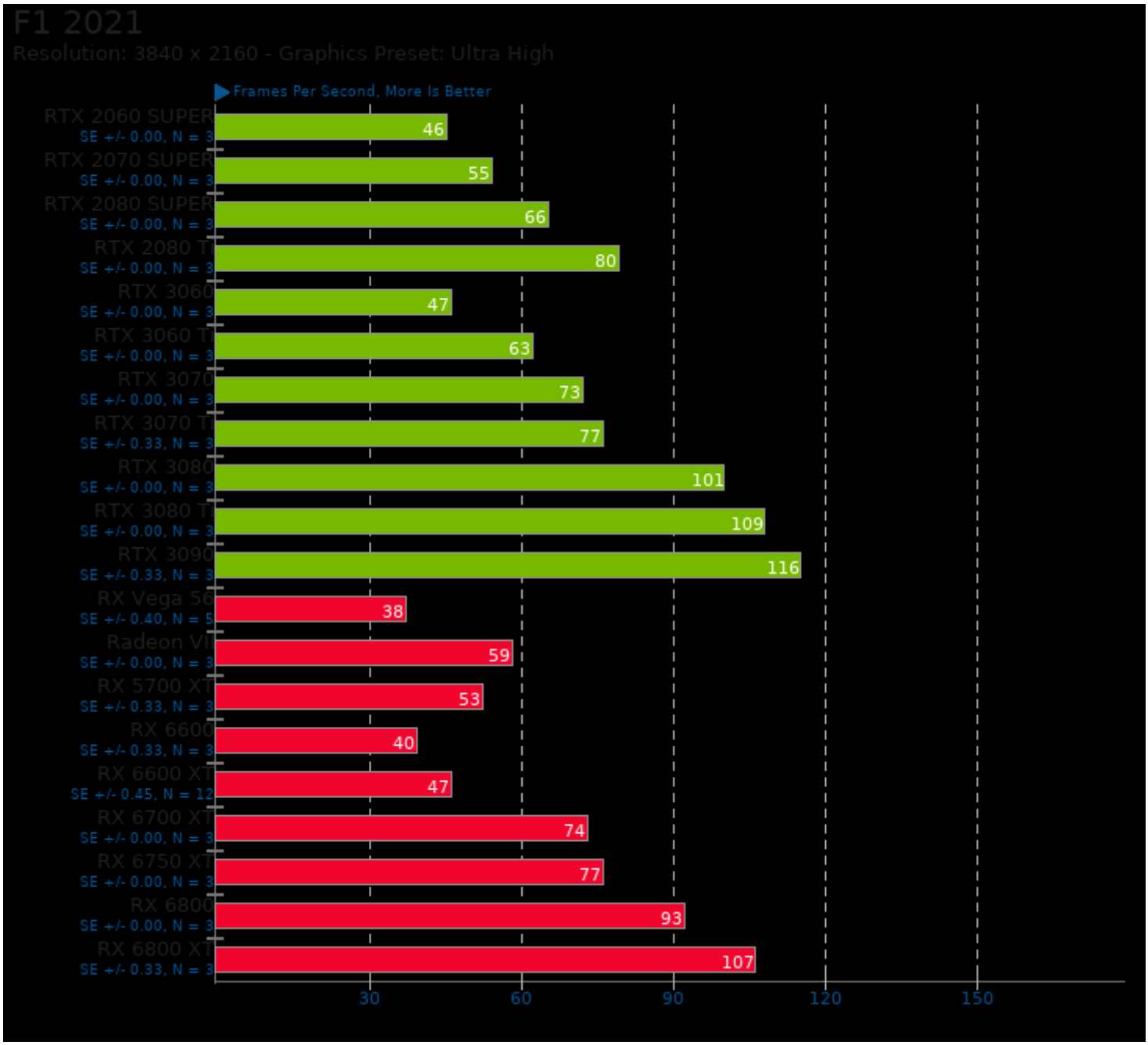
Radeon RX 6750 XT Linux Review Benchmarks



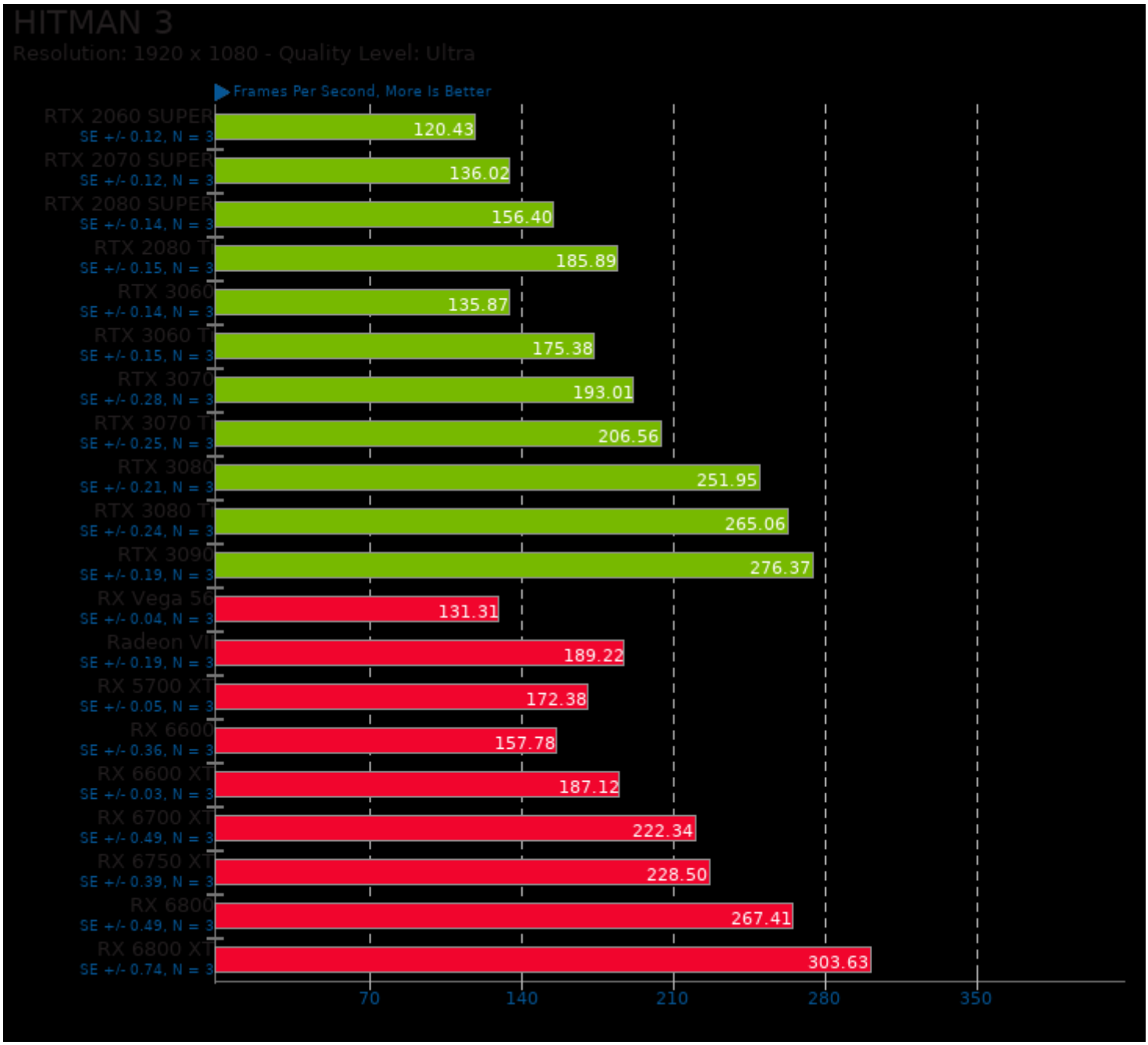
Radeon RX 6750 XT Linux Review Benchmarks



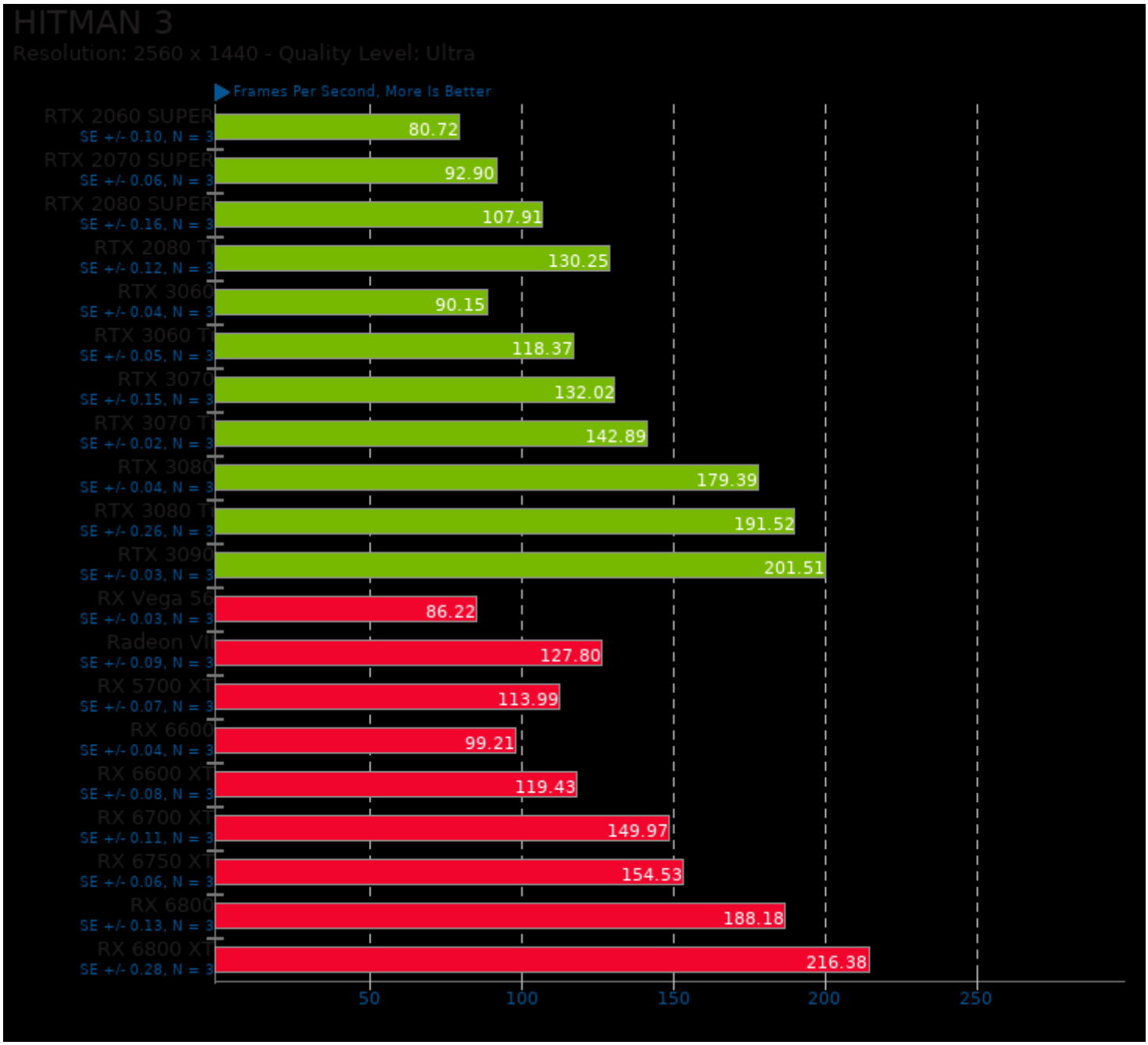
Radeon RX 6750 XT Linux Review Benchmarks



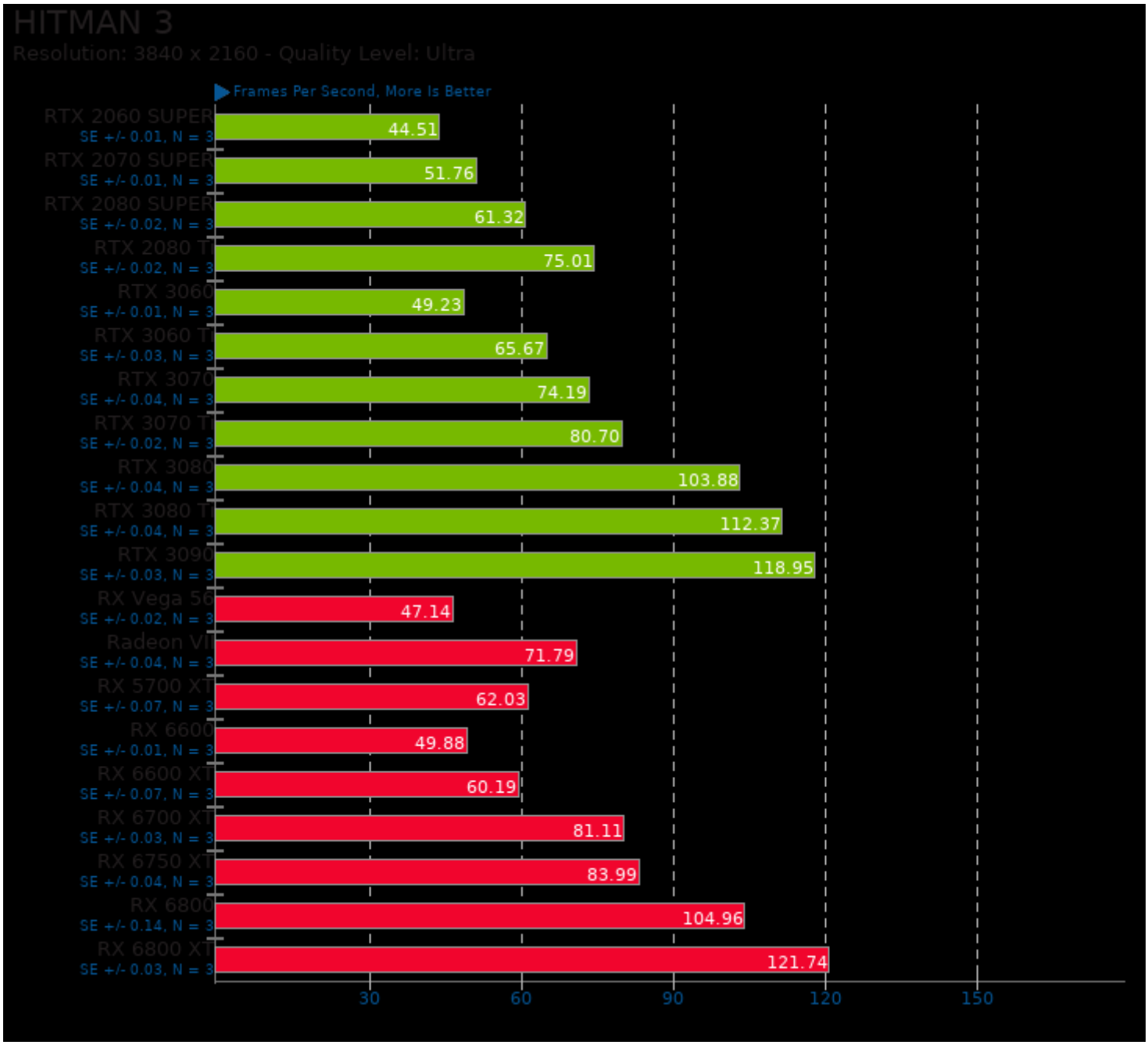
Radeon RX 6750 XT Linux Review Benchmarks

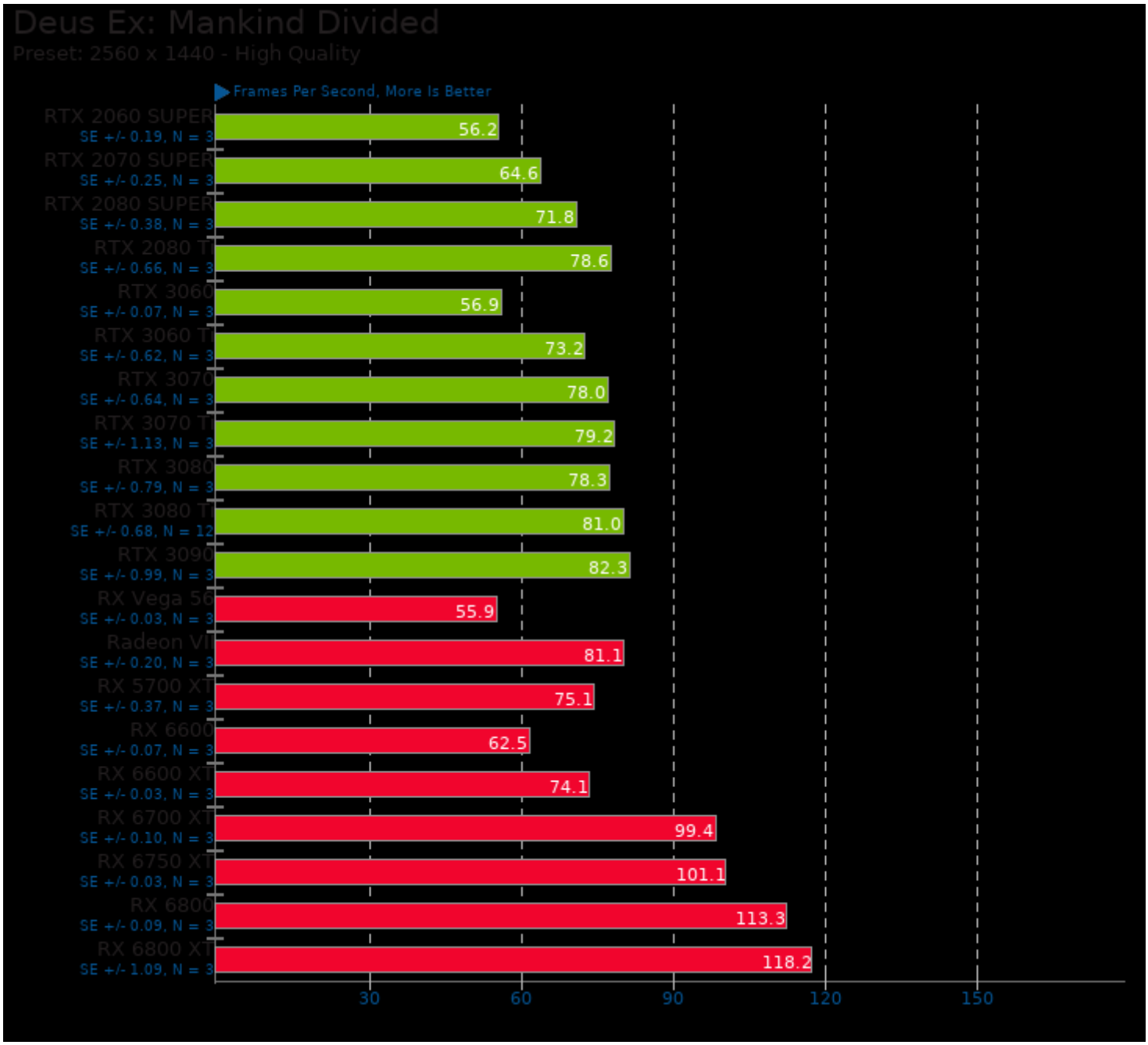


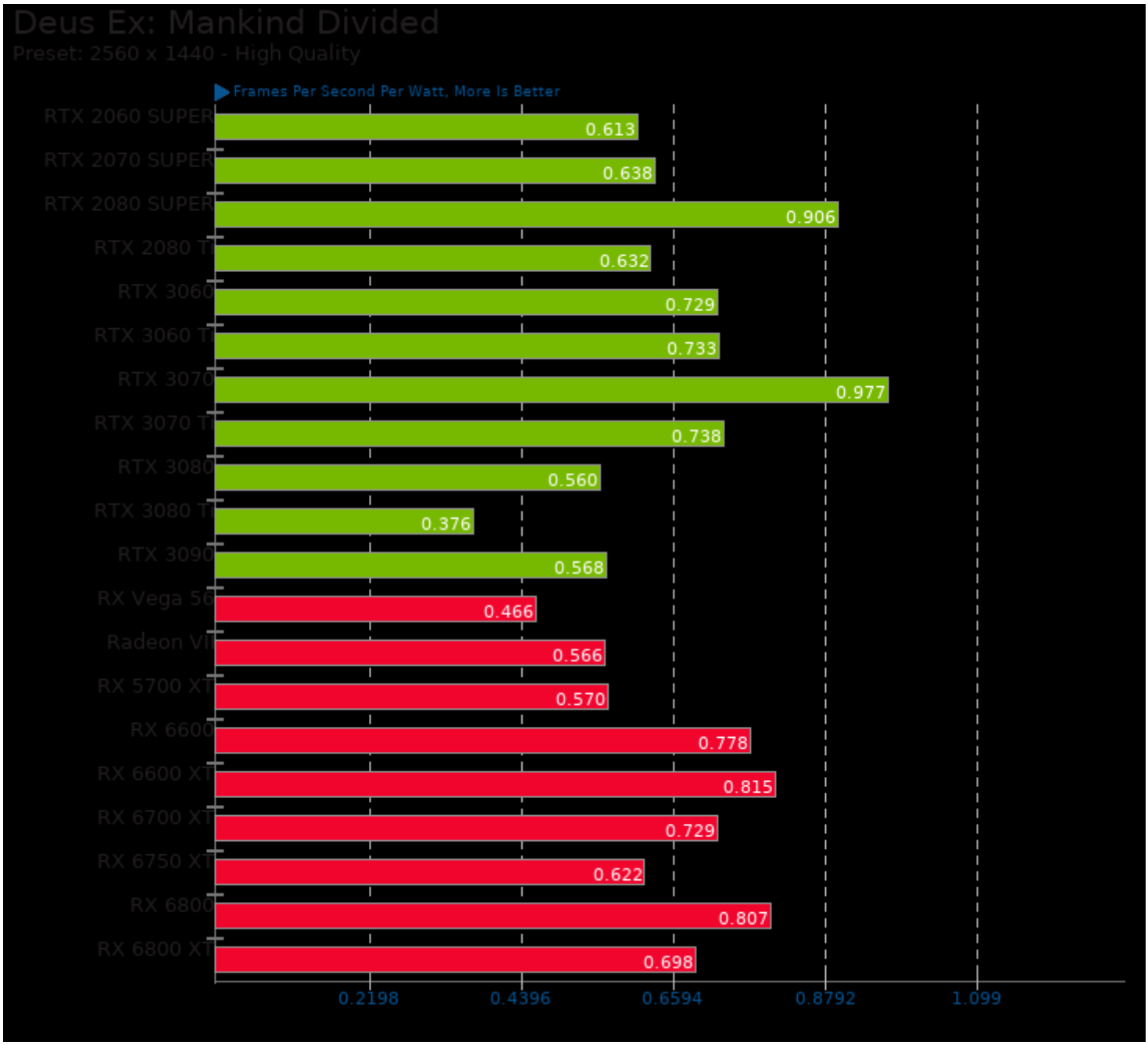
Radeon RX 6750 XT Linux Review Benchmarks

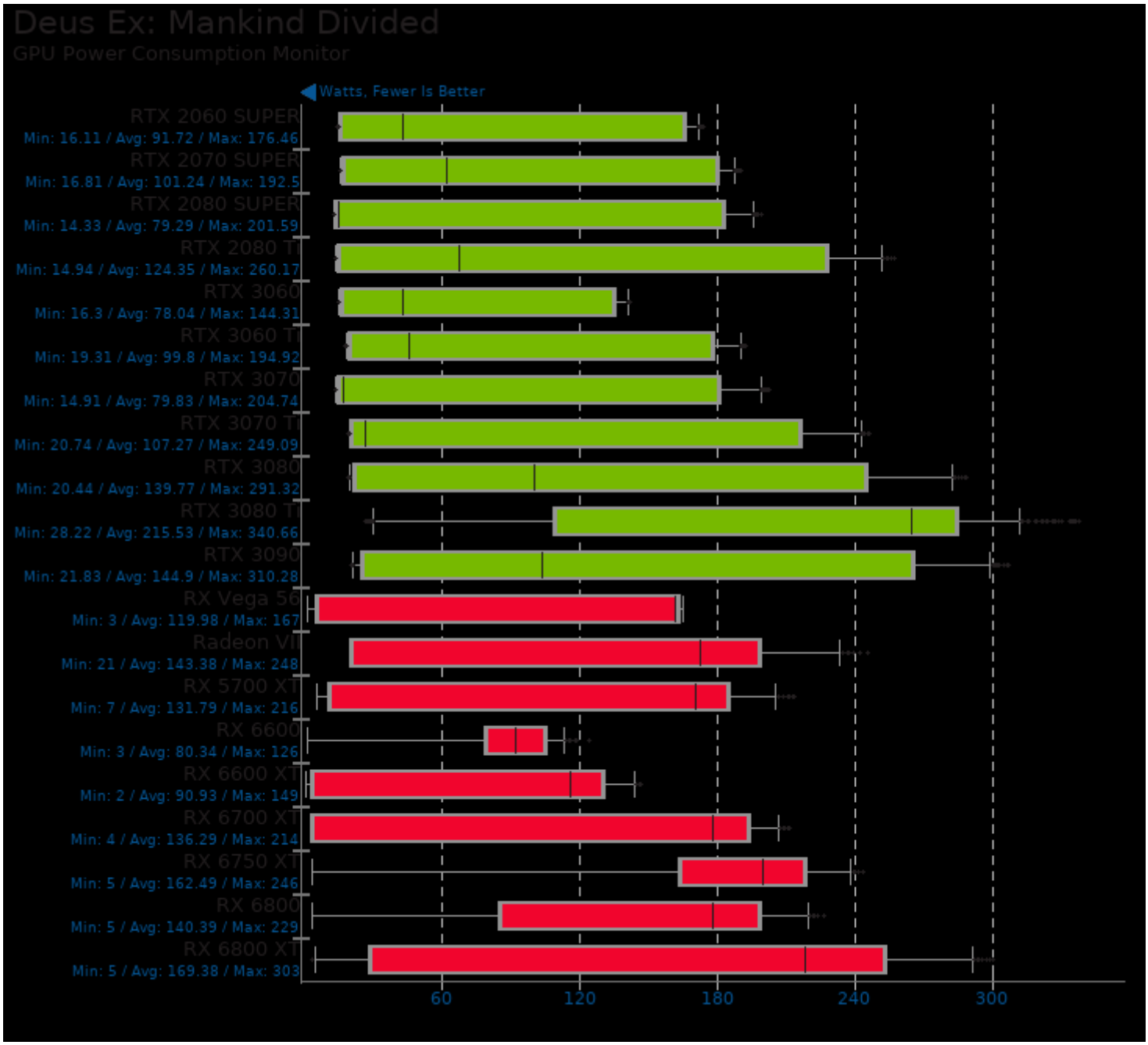


Radeon RX 6750 XT Linux Review Benchmarks




Deus Ex: Mankind Divided
Preset: 2560 x 1440 - High Quality
Frames Per Second, More Is Better
RTX 2060 SUPER
SE +/- 0.19, N = 3
56.2
RTX 2070 SUPER
SE +/- 0.25, N = 3
64.6
RTX 2080 SUPER
SE +/- 0.38, N = 3
71.8
RTX 2080 T
SE +/- 0.66, N = 3
78.6
RTX 3060
SE +/- 0.07, N = 3
56.9
RTX 3060 T
SE +/- 0.62, N = 3
73.2
RTX 3070
SE +/- 0.64, N = 3
78.0
RTX 3070 T
SE +/- 1.13, N = 3
79.2
RTX 3080
SE +/- 0.79, N = 3
78.3
RTX 3080 T
SE +/- 0.68, N = 12
81.0
RTX 3090
SE +/- 0.99, N = 3
82.3
RX Vega 56
SE +/- 0.03, N = 3
55.9
Radeon VII
SE +/- 0.20, N = 3
81.1
RX 5700 XT
SE +/- 0.37, N = 3
75.1
RX 6600
SE +/- 0.07, N = 3
62.5
RX 6600 XT
SE +/- 0.03, N = 3
74.1
RX 6700 XT
SE +/- 0.10, N = 3
99.4
RX 6750 XT
SE +/- 0.03, N = 3
101.1
RX 6800
SE +/- 0.09, N = 3
113.3
RX 6800 XT
SE +/- 1.09, N = 3
118.2
30
60
90
120
150

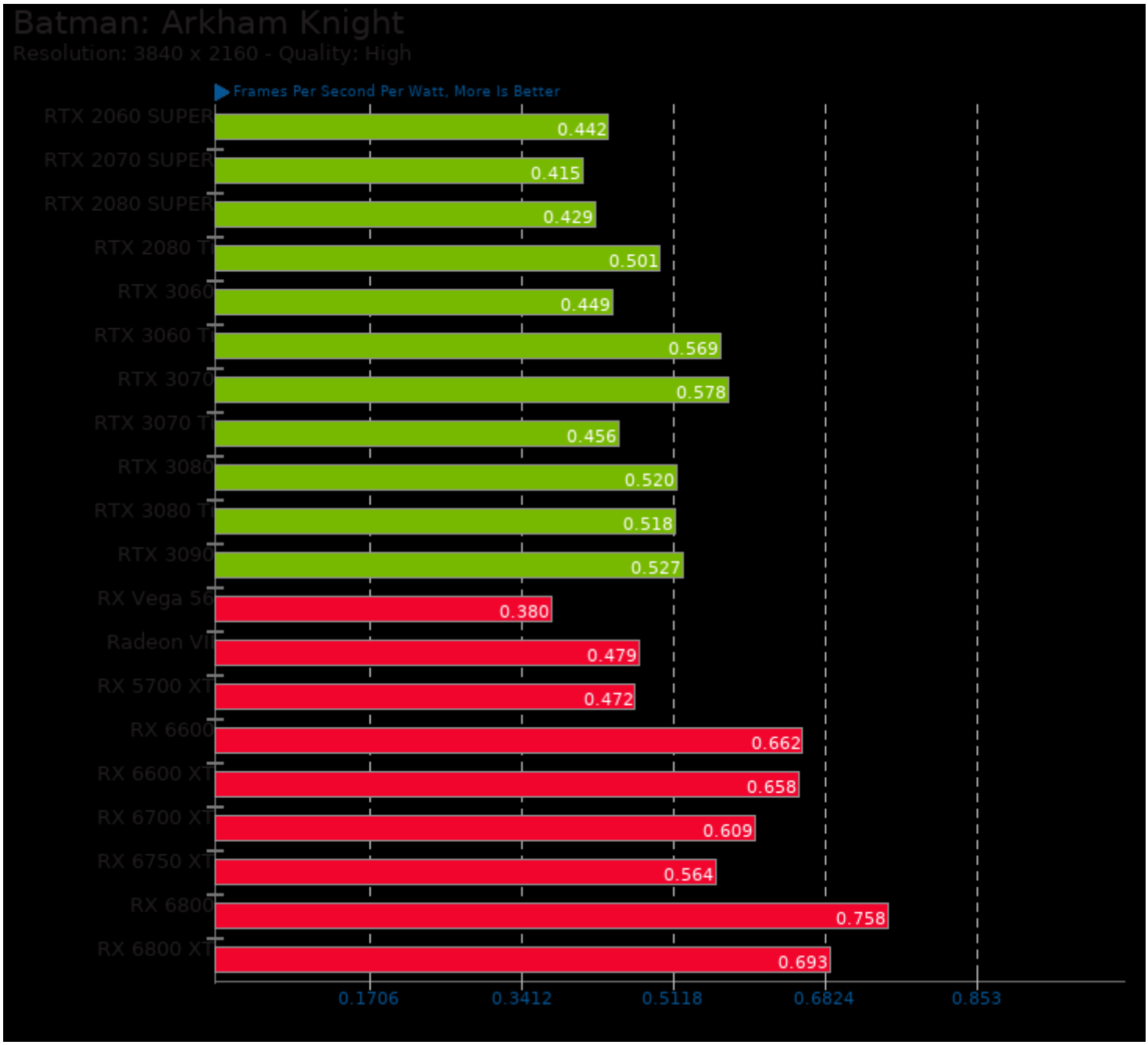

Deus Ex: Mankind Divided
Preset: 2560 x 1440 - High Quality
Frames Per Second Per Watt, More Is Better
RTX 2060 SUPER
0.613
RTX 2070 SUPER
0.638
RTX 2080 SUPER
0.906
RTX 2080 Ti
0.632
RTX 3060
0.729
RTX 3060 Ti
0.733
RTX 3070
0.977
RTX 3070 Ti
0.738
RTX 3080
0.560
RTX 3080 Ti
0.376
RTX 3090
0.568
RX Vega 56
0.466
Radeon VII
0.566
RX 5700 XT
0.570
RX 6600
0.778
RX 6600 XT
0.815
RX 6700 XT
0.729
RX 6750 XT
0.622
RX 6800
0.807
RX 6800 XT
0.698
0.2198
0.4396
0.6594
0.8792
1.099


Deus Ex: Mankind Divided
GPU Power Consumption Monitor
Watts, Fewer Is Better
RTX 2060 SUPER
Min: 16.11 / Avg: 91.72 / Max: 176.46
RTX 2070 SUPER
Min: 16.81 / Avg: 101.24 / Max: 192.5
RTX 2080 SUPER
Min: 14.33 / Avg: 79.29 / Max: 201.59
RTX 2080 Ti
Min: 14.94 / Avg: 124.35 / Max: 260.17
RTX 3060
Min: 16.3 / Avg: 78.04 / Max: 144.31
RTX 3060 Ti
Min: 19.31 / Avg: 99.8 / Max: 194.92
RTX 3070
Min: 14.91 / Avg: 79.83 / Max: 204.74
RTX 3070 Ti
Min: 20.74 / Avg: 107.27 / Max: 249.09
RTX 3080
Min: 20.44 / Avg: 139.77 / Max: 291.32
RTX 3080 Ti
Min: 28.22 / Avg: 215.53 / Max: 340.66
RTX 3090
Min: 21.83 / Avg: 144.9 / Max: 310.28
RX Vega 56
Min: 3 / Avg: 119.98 / Max: 167
Radeon VII
Min: 21 / Avg: 143.38 / Max: 248
RX 5700 XT
Min: 7 / Avg: 131.79 / Max: 216
RX 6600
Min: 3 / Avg: 80.34 / Max: 126
RX 6600 XT
Min: 2 / Avg: 90.93 / Max: 149
RX 6700 XT
Min: 4 / Avg: 136.29 / Max: 214
RX 6750 XT
Min: 5 / Avg: 162.49 / Max: 246
RX 6800
Min: 5 / Avg: 140.39 / Max: 229
RX 6800 XT
Min: 5 / Avg: 169.38 / Max: 303
60
120
180
240
300

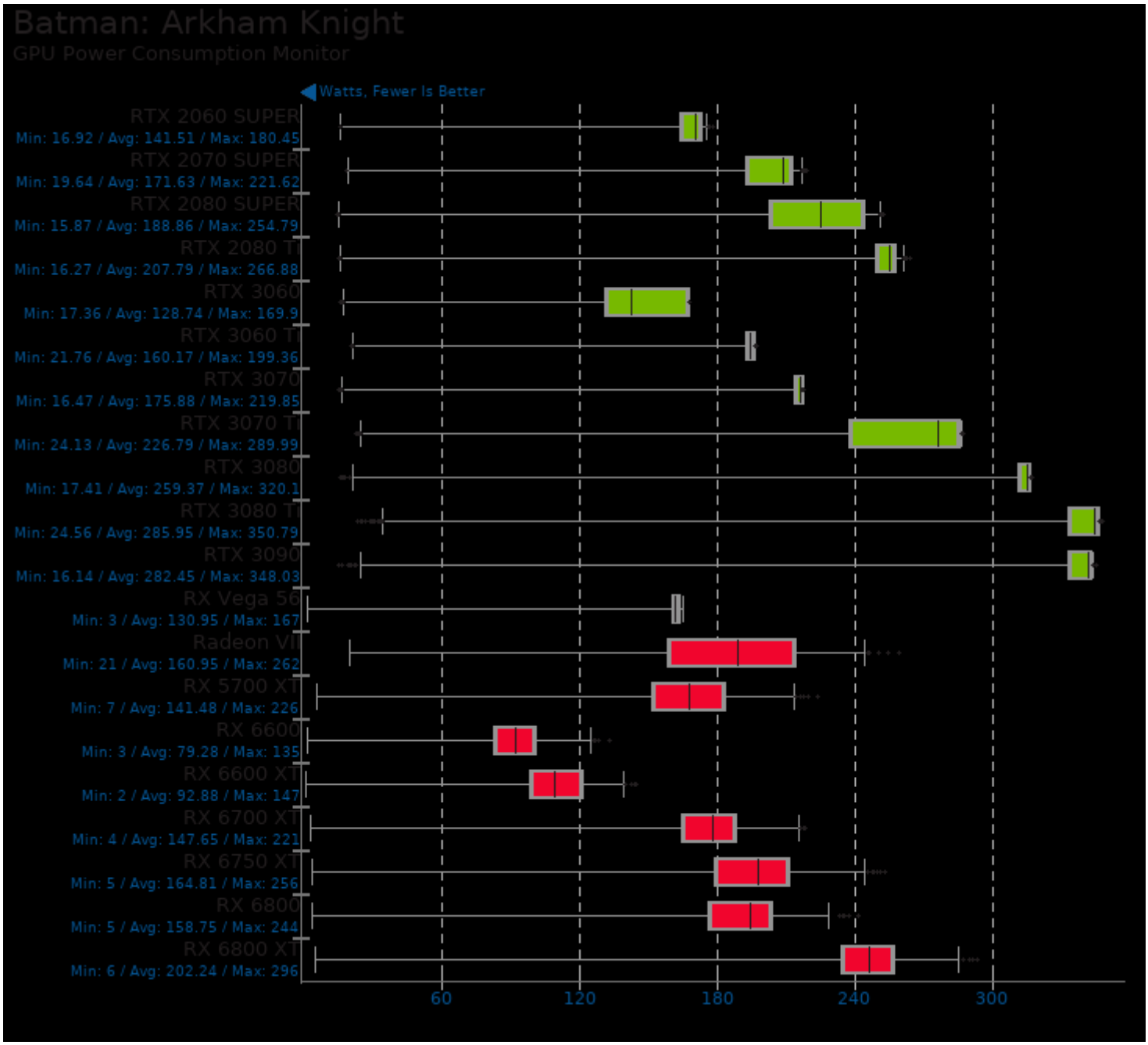
Radeon RX 6750 XT Linux Review Benchmarks



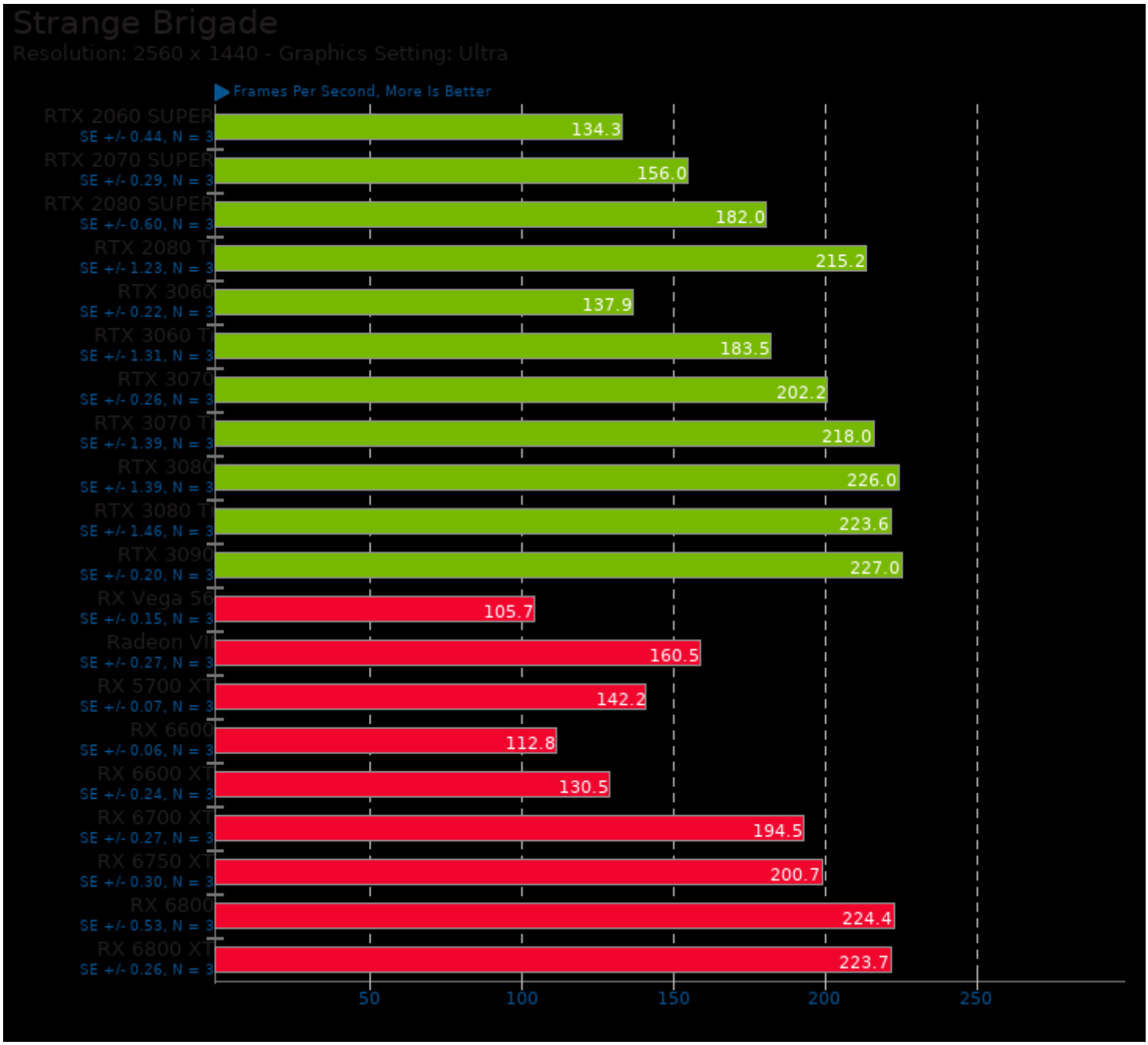
Radeon RX 6750 XT Linux Review Benchmarks



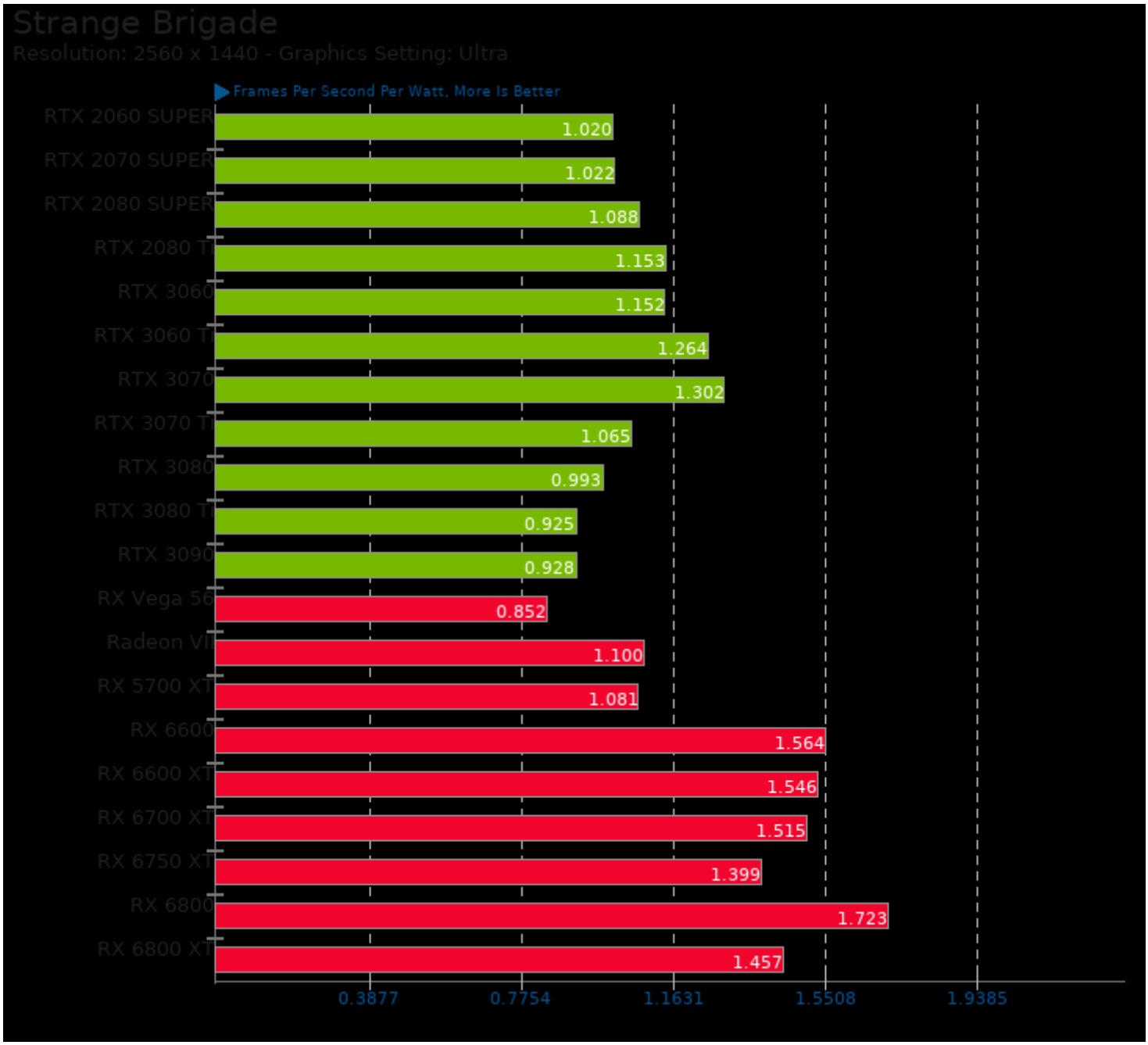
Radeon RX 6750 XT Linux Review Benchmarks



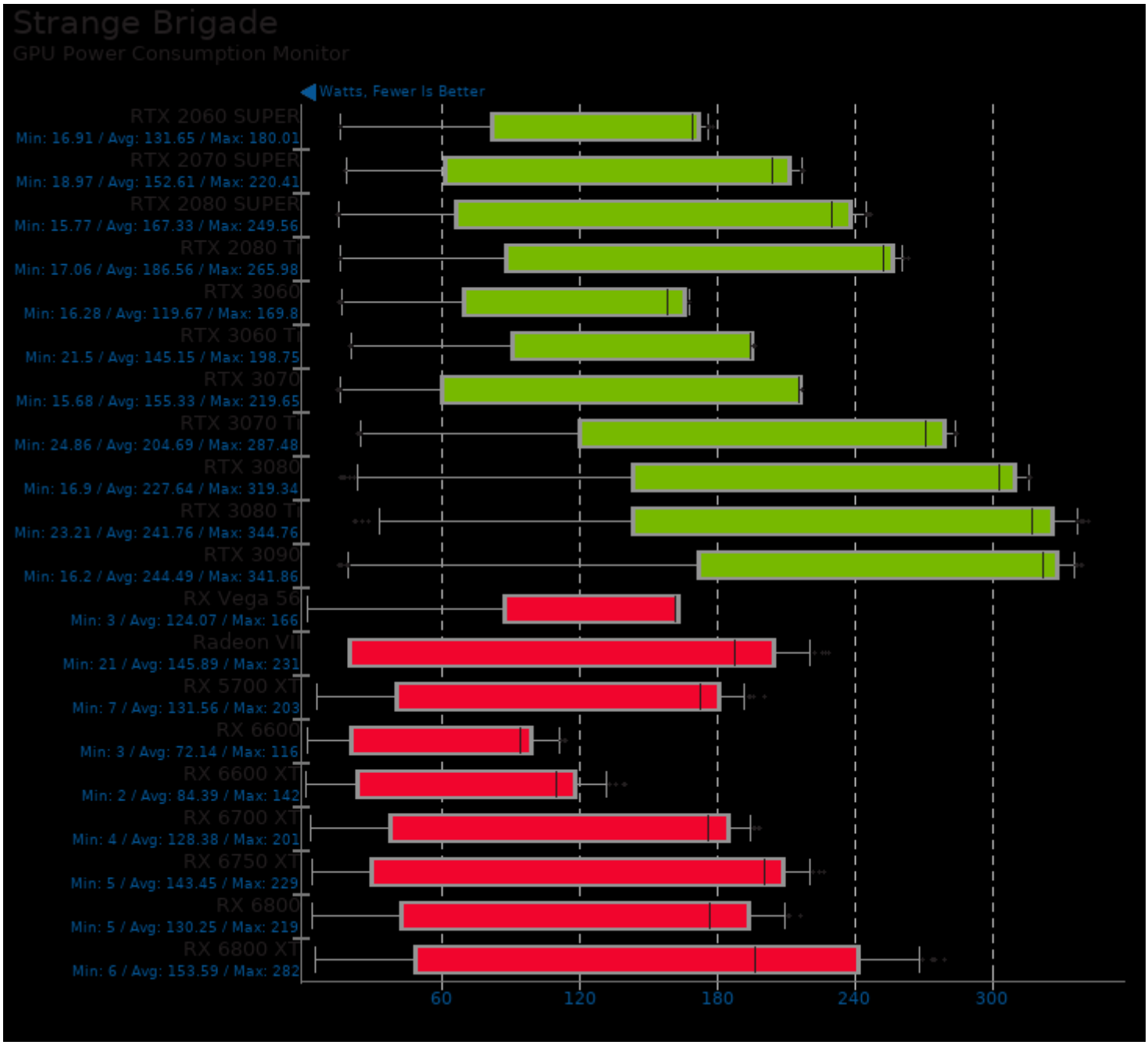
Radeon RX 6750 XT Linux Review Benchmarks



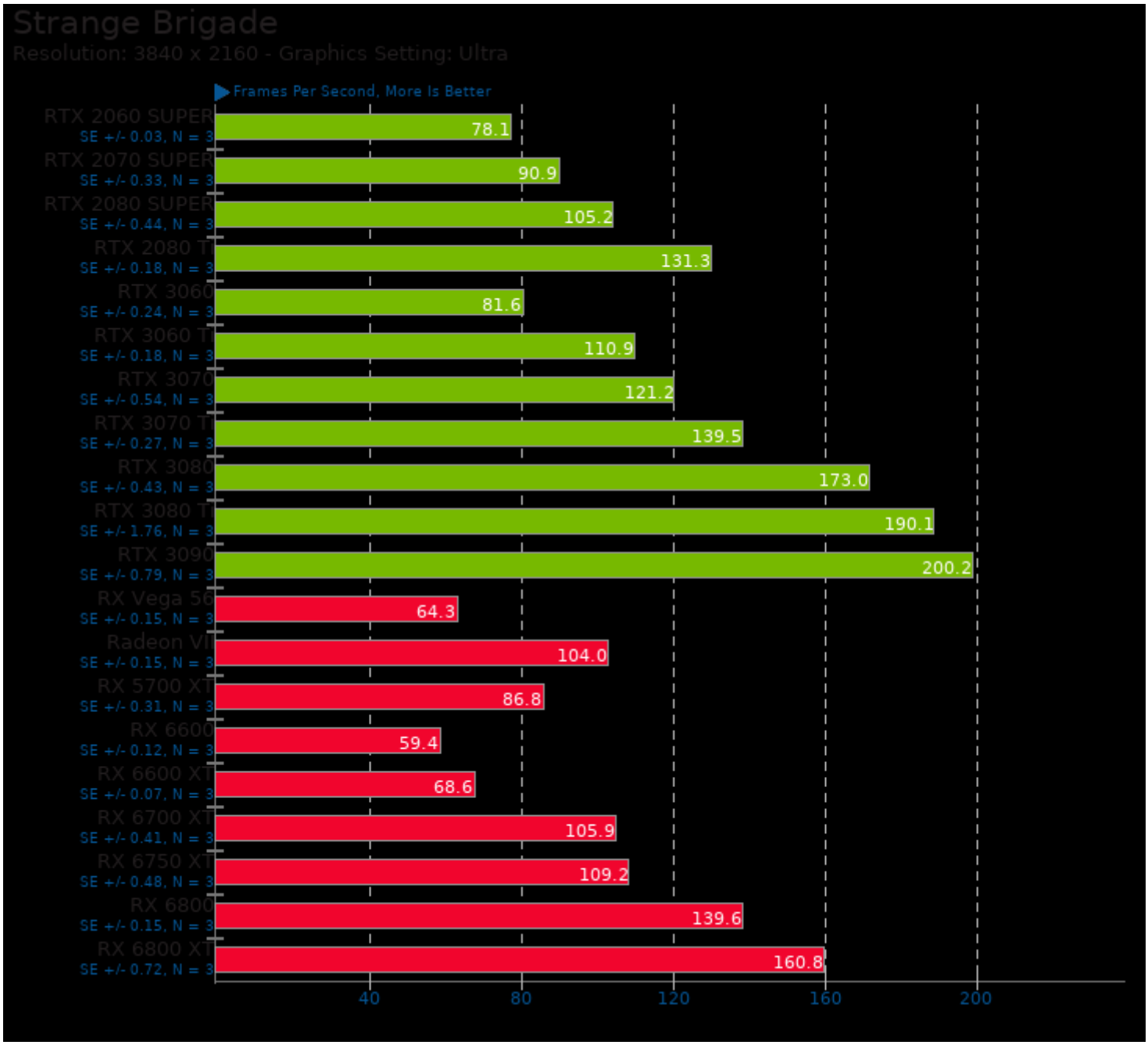
Radeon RX 6750 XT Linux Review Benchmarks



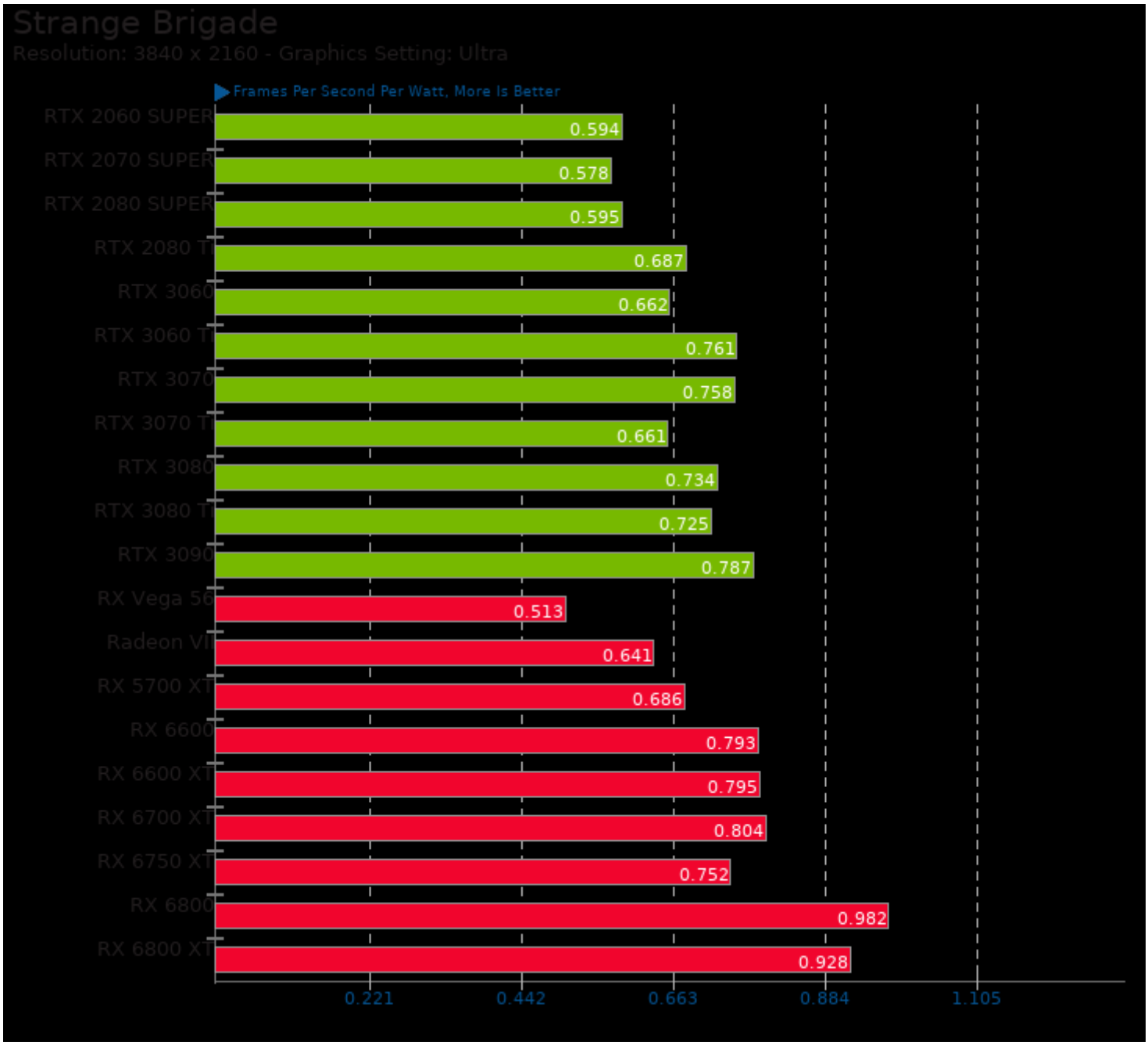
Radeon RX 6750 XT Linux Review Benchmarks



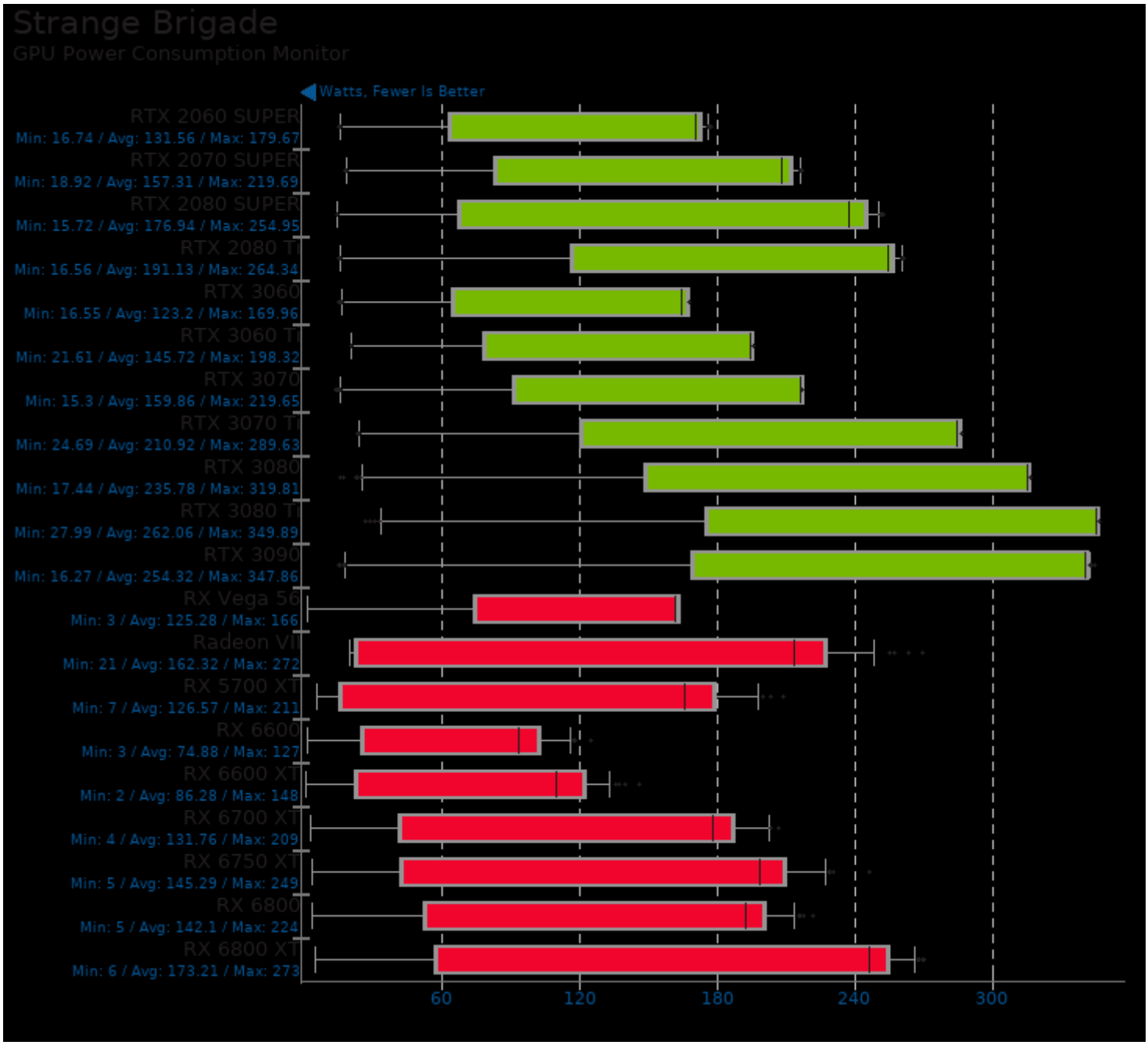
Radeon RX 6750 XT Linux Review Benchmarks



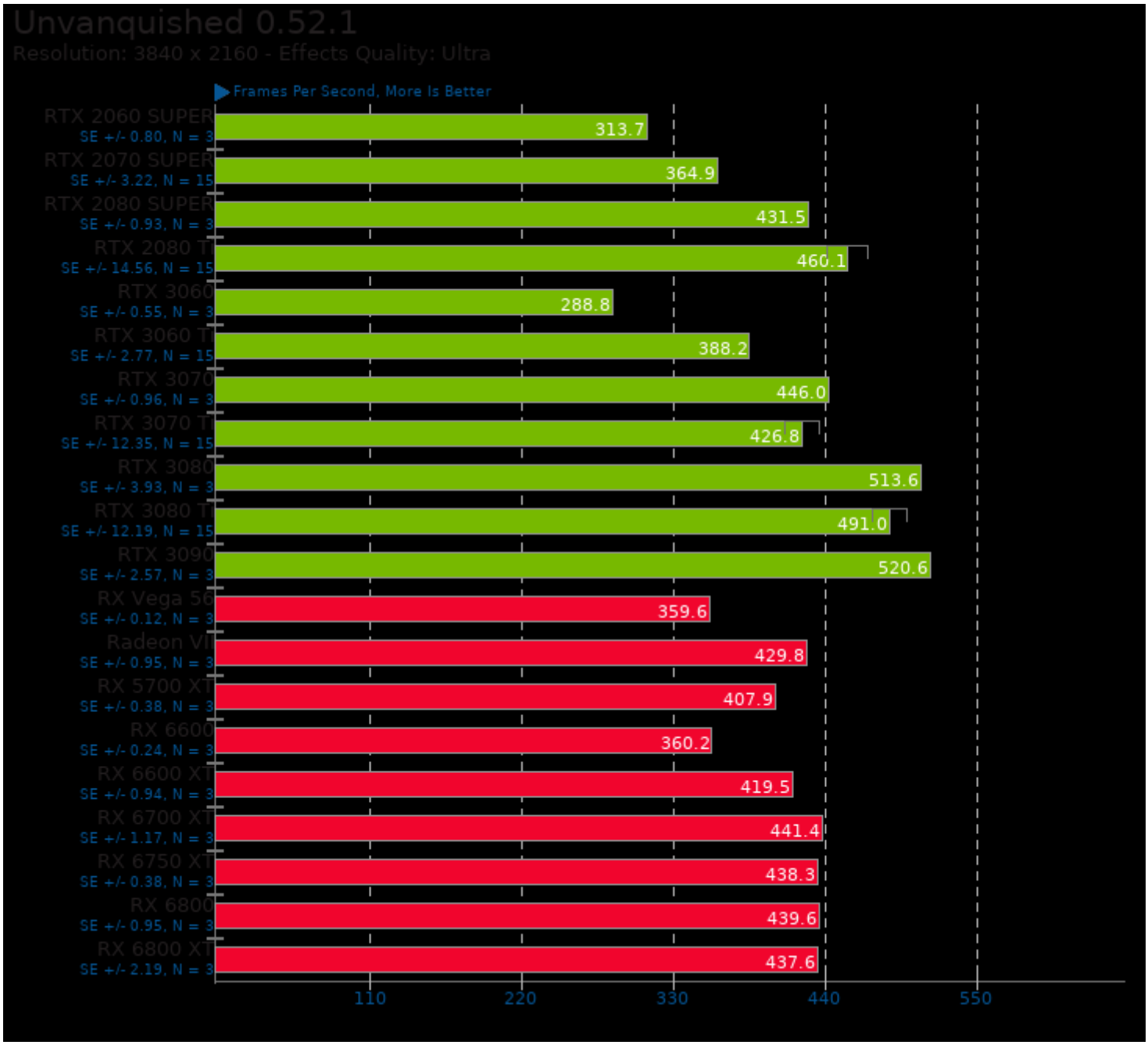
Radeon RX 6750 XT Linux Review Benchmarks



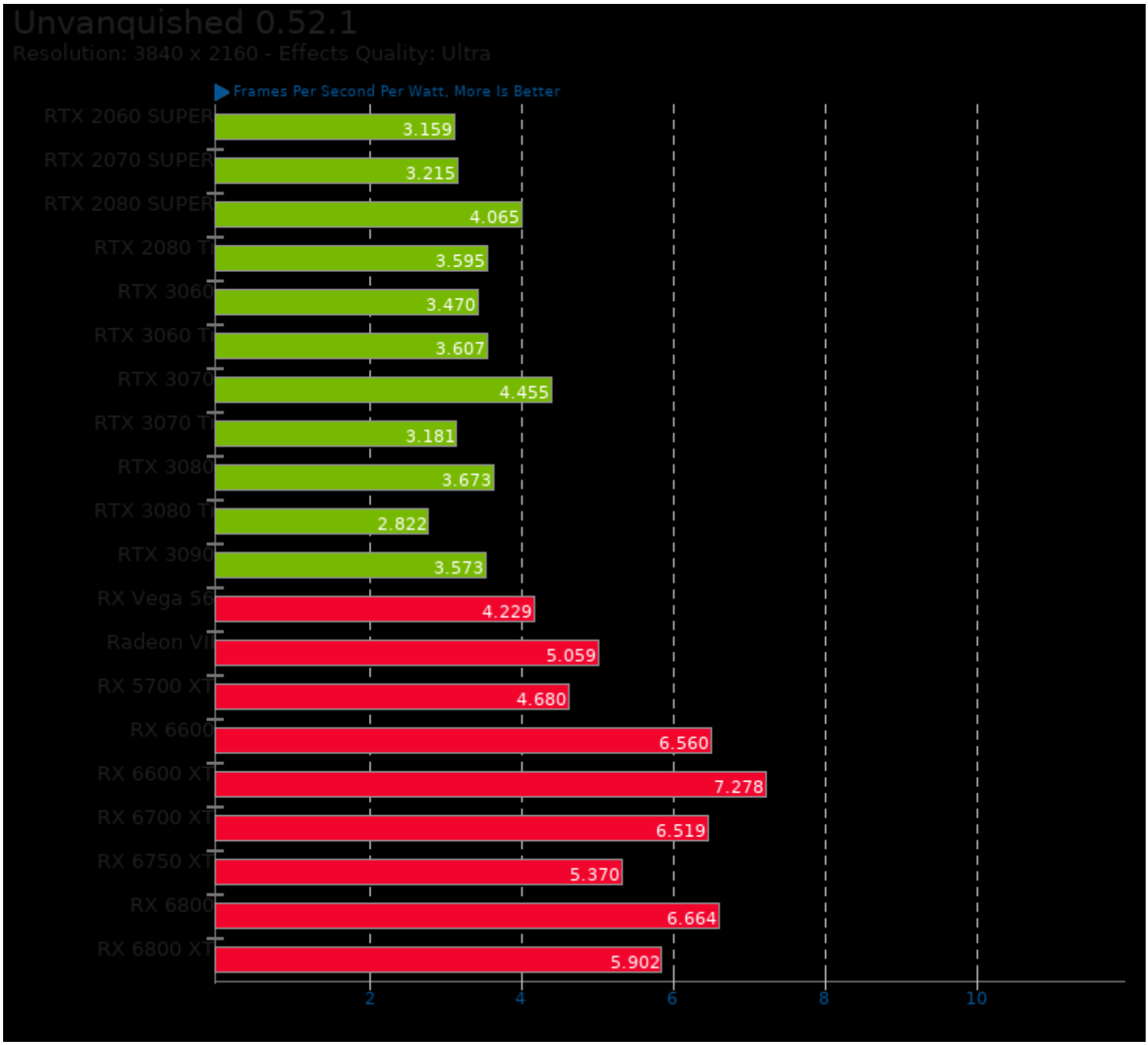
Radeon RX 6750 XT Linux Review Benchmarks



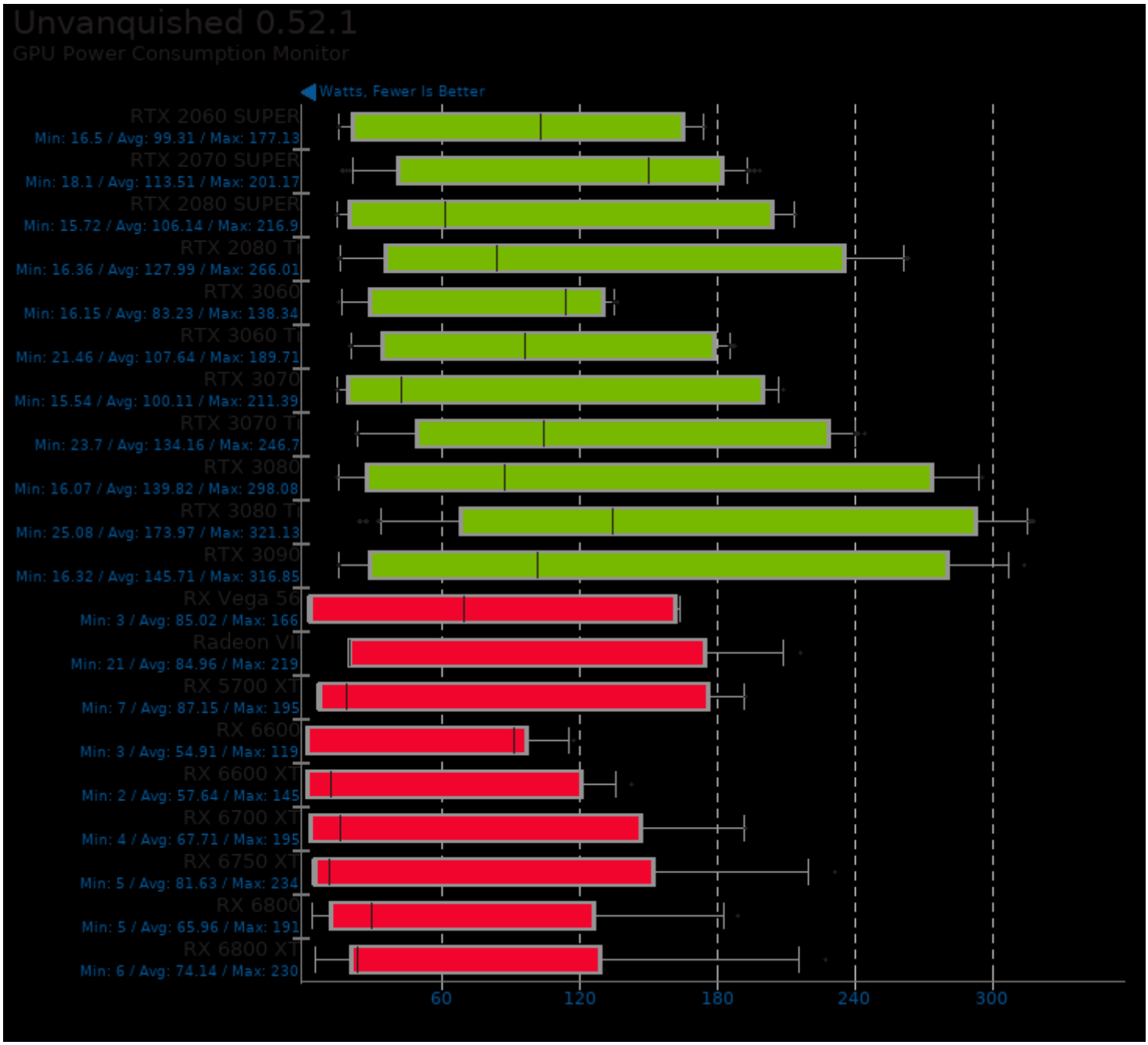
Radeon RX 6750 XT Linux Review Benchmarks

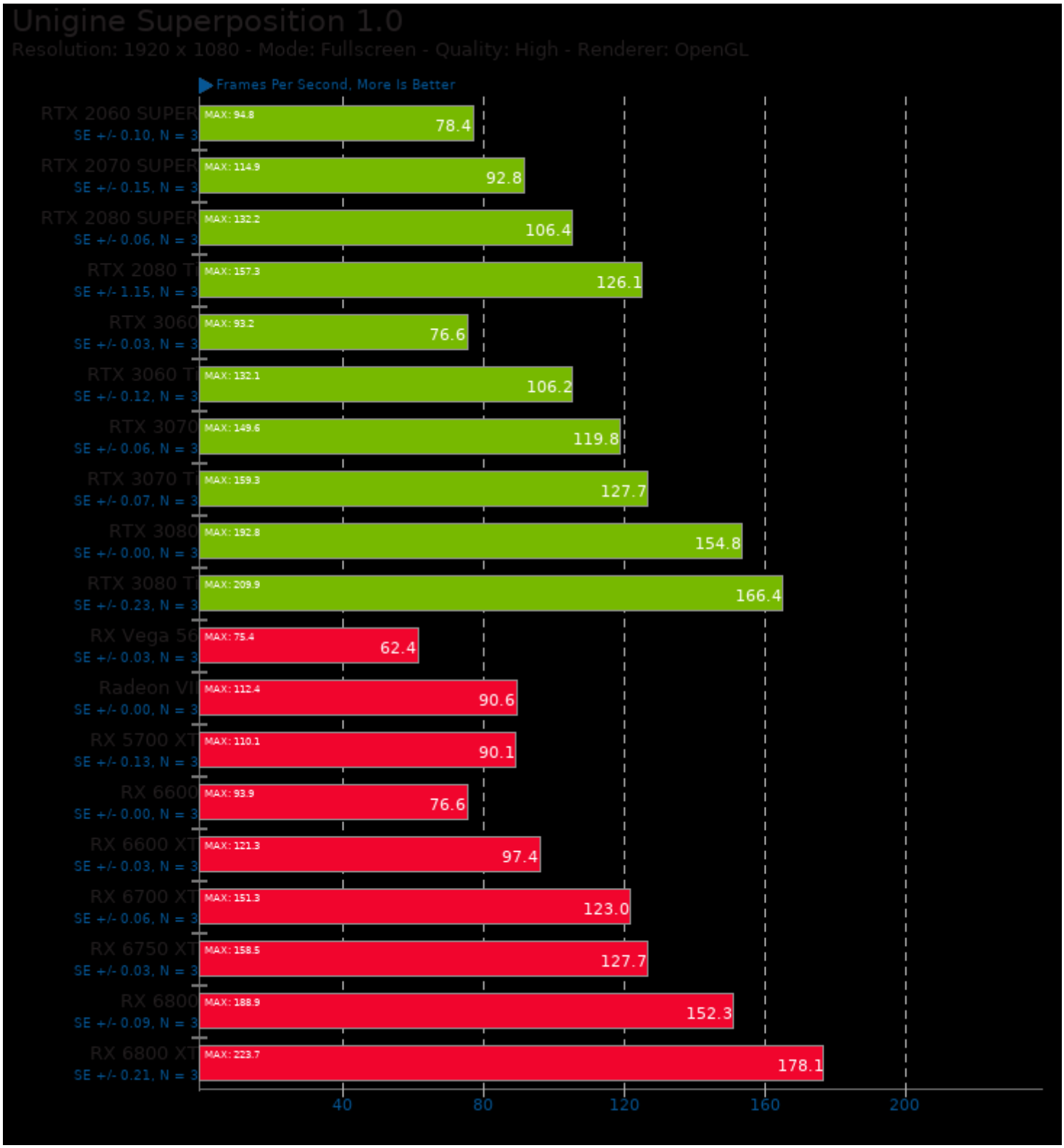


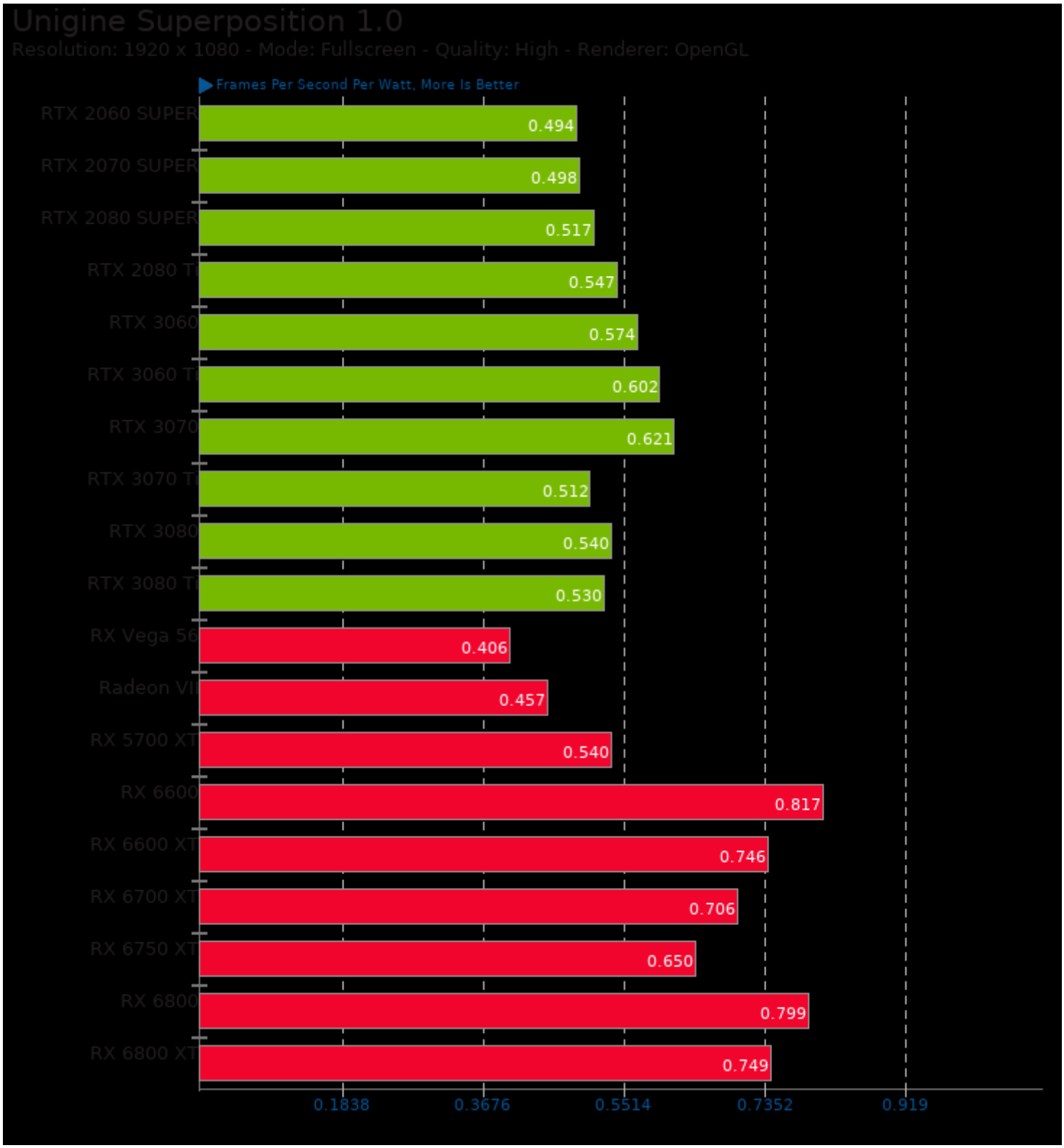
Radeon RX 6750 XT Linux Review Benchmarks



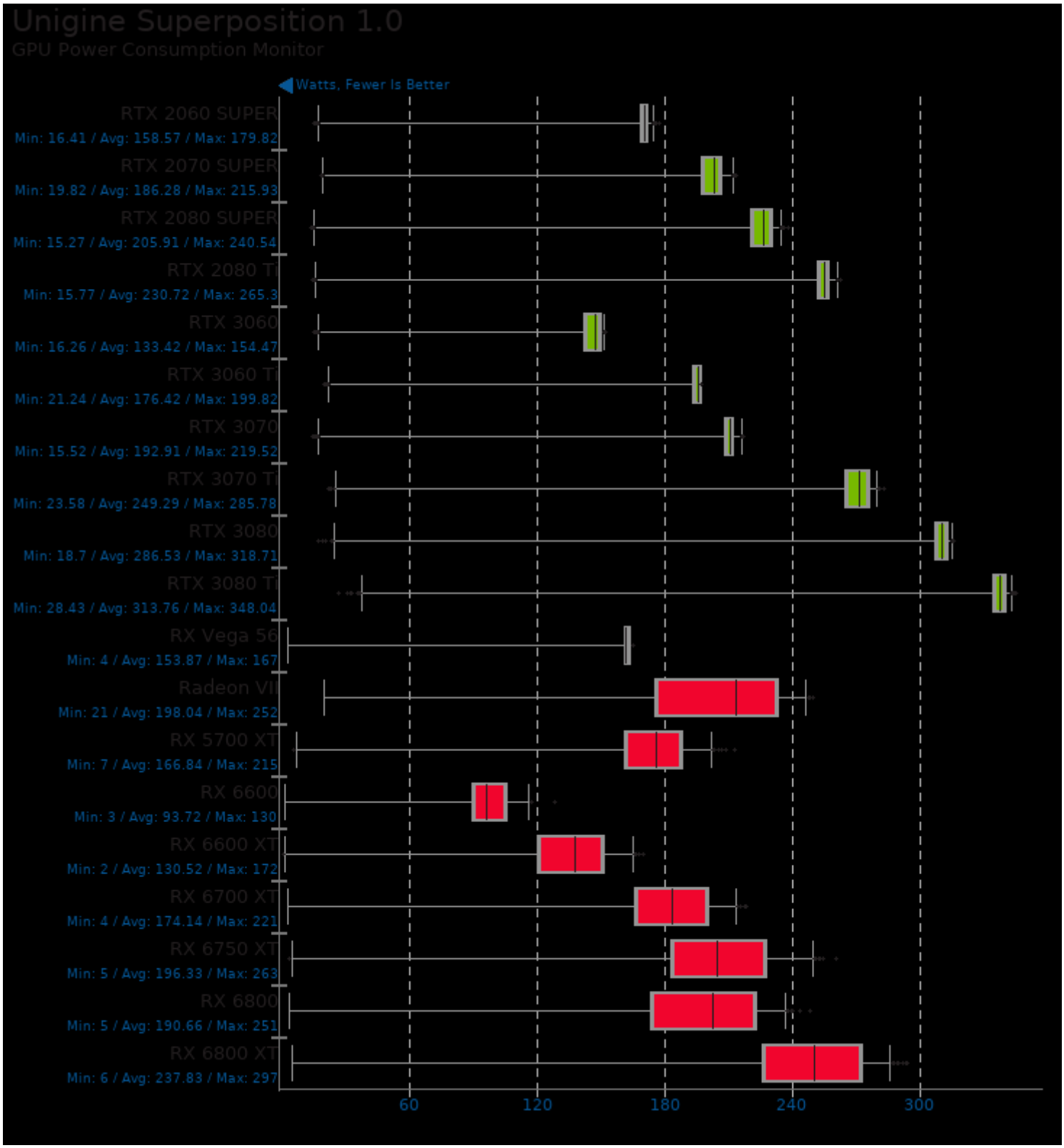
Radeon RX 6750 XT Linux Review Benchmarks




Unigine Superposition 1.0
Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: High - Renderer: OpenGL
Frames Per Second, More Is Better
RTX 2060 SUPER
SE +/- 0.10, N = 3
MAX: 94.8
78.4
RTX 2070 SUPER
SE +/- 0.15, N = 3
MAX: 114.9
92.8
RTX 2080 SUPER
SE +/- 0.06, N = 3
MAX: 132.2
106.4
RTX 2080 T
SE +/- 1.15, N = 3
MAX: 157.3
126.1
RTX 3060
SE +/- 0.03, N = 3
MAX: 93.2
76.6
RTX 3060 T
SE +/- 0.12, N = 3
MAX: 132.1
106.2
RTX 3070
SE +/- 0.06, N = 3
MAX: 149.6
119.8
RTX 3070 T
SE +/- 0.07, N = 3
MAX: 159.3
127.7
RTX 3080
SE +/- 0.00, N = 3
MAX: 192.8
154.8
RTX 3080 T
SE +/- 0.23, N = 3
MAX: 209.9
166.4
RX Vega 56
SE +/- 0.03, N = 3
MAX: 75.4
62.4
Radeon VII
SE +/- 0.00, N = 3
MAX: 112.4
90.6
RX 5700 XT
SE +/- 0.13, N = 3
MAX: 110.1
90.1
RX 6600
SE +/- 0.00, N = 3
MAX: 93.9
76.6
RX 6600 XT
SE +/- 0.03, N = 3
MAX: 121.3
97.4
RX 6700 XT
SE +/- 0.06, N = 3
MAX: 151.3
123.0
RX 6750 XT
SE +/- 0.03, N = 3
MAX: 158.5
127.7
RX 6800
SE +/- 0.09, N = 3
MAX: 188.9
152.3
RX 6800 XT
SE +/- 0.21, N = 3
MAX: 223.7
178.1
40
80
120
160
200

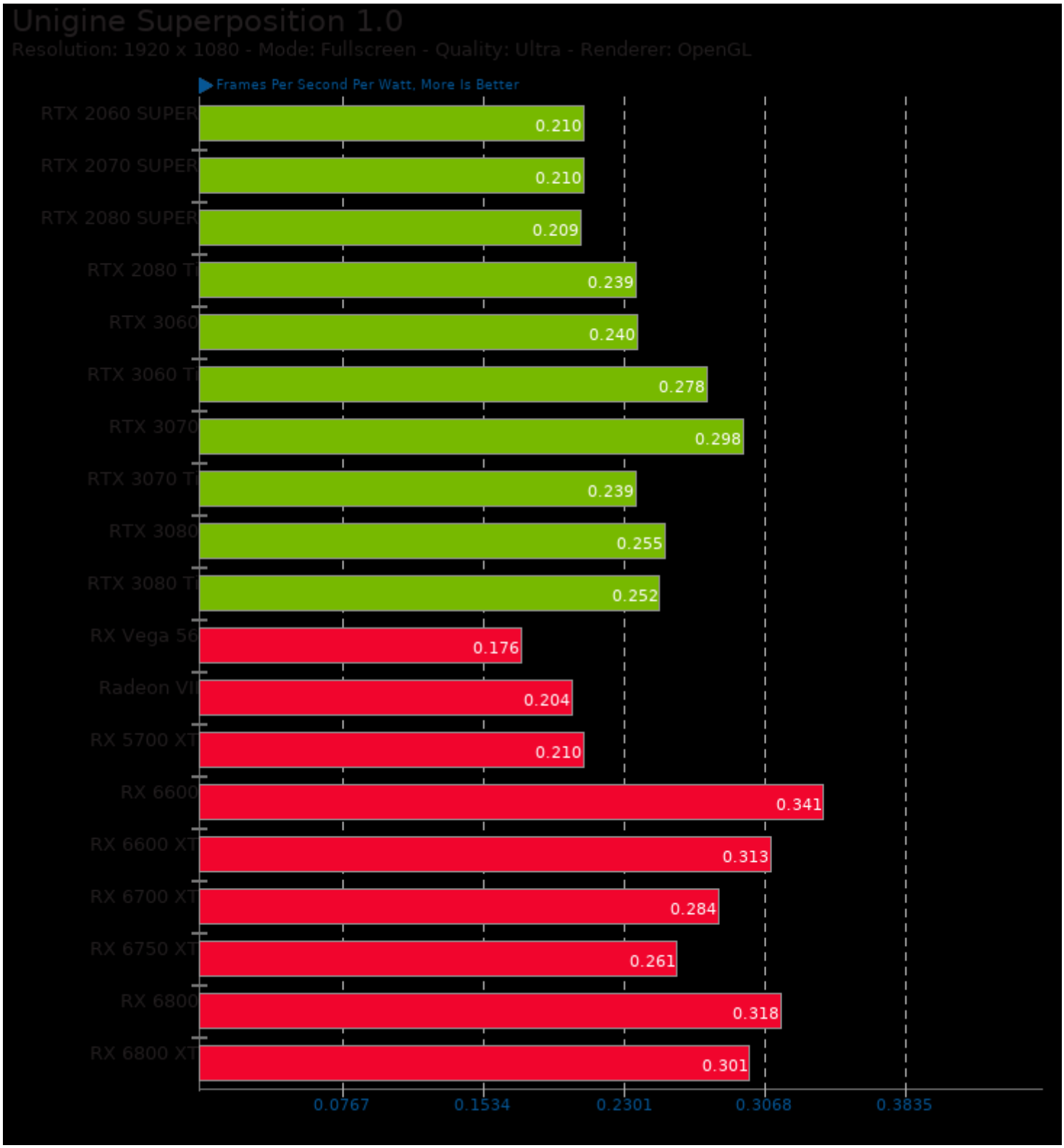

Unigine Superposition 1.0
Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: High - Renderer: OpenGL
Frames Per Second Per Watt, More Is Better
RTX 2060 SUPER
0.494
RTX 2070 SUPER
0.498
RTX 2080 SUPER
0.517
RTX 2080 Ti
0.547
RTX 3060
0.574
RTX 3060 Ti
0.602
RTX 3070
0.621
RTX 3070 Ti
0.512
RTX 3080
0.540
RTX 3080 Ti
0.530
RX Vega 56
0.406
Radeon VII
0.457
RX 5700 XT
0.540
RX 6600
0.817
RX 6600 XT
0.746
RX 6700 XT
0.706
RX 6750 XT
0.650
RX 6800
0.799
RX 6800 XT
0.749
0.1838
0.3676
0.5514
0.7352
0.919

Radeon RX 6750 XT Linux Review Benchmarks

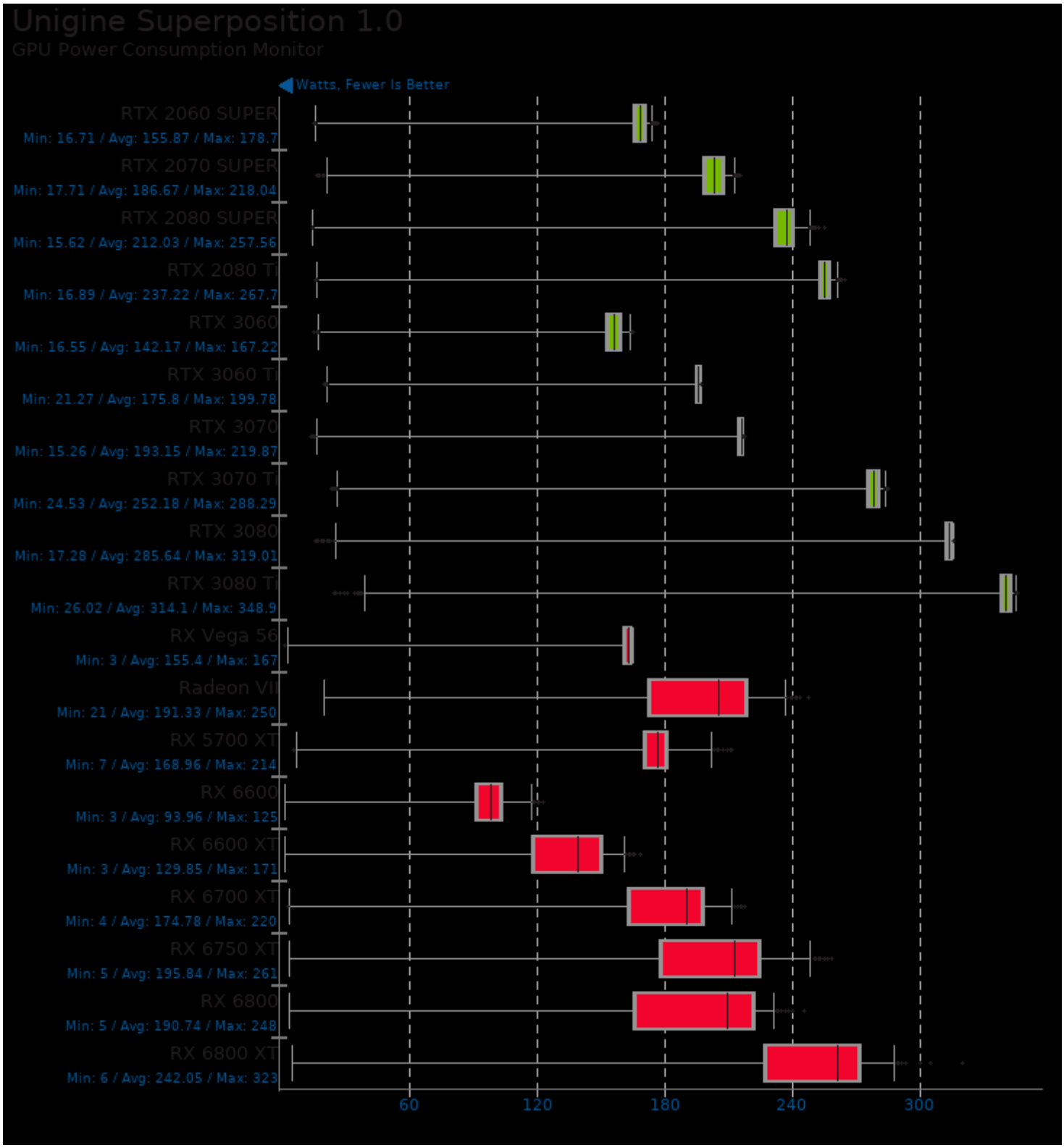



Unigine Superposition 1.0
Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: Ultra - Renderer: OpenGL
Frames Per Second, More Is Better
RTX 2060 SUPER
SE +/- 0.03, N = 3
MAX: 38.3
32.8
RTX 2070 SUPER
SE +/- 0.03, N = 3
MAX: 45.9
39.2
RTX 2080 SUPER
SE +/- 0.06, N = 3
MAX: 52.2
44.4
RTX 2080 T
SE +/- 0.10, N = 3
MAX: 68.3
56.7
RTX 3060
SE +/- 0.00, N = 3
MAX: 40.7
34.1
RTX 3060 T
SE +/- 0.00, N = 3
MAX: 58.3
48.9
RTX 3070
SE +/- 0.00, N = 3
MAX: 69.6
57.5
RTX 3070 T
SE +/- 0.06, N = 3
MAX: 73.6
60.3
RTX 3080
SE +/- 0.03, N = 3
MAX: 87.9
72.8
RTX 3080 T
SE +/- 0.00, N = 3
MAX: 98.6
79.2
RX Vega 56
SE +/- 0.00, N = 3
MAX: 32.8
27.4
Radeon VII
SE +/- 0.00, N = 3
MAX: 47.3
39.0
RX 5700 XT
SE +/- 0.00, N = 3
MAX: 42
35.4
RX 6600
SE +/- 0.00, N = 3
MAX: 37.8
32.0
RX 6600 XT
SE +/- 0.00, N = 3
MAX: 49.1
40.6
RX 6700 XT
SE +/- 0.00, N = 3
MAX: 59.8
49.6
RX 6750 XT
SE +/- 0.00, N = 3
MAX: 62.3
51.2
RX 6800
SE +/- 0.03, N = 3
MAX: 73.2
60.6
RX 6800 XT
SE +/- 0.03, N = 3
MAX: 88.6
72.9
20
40
60
80
100

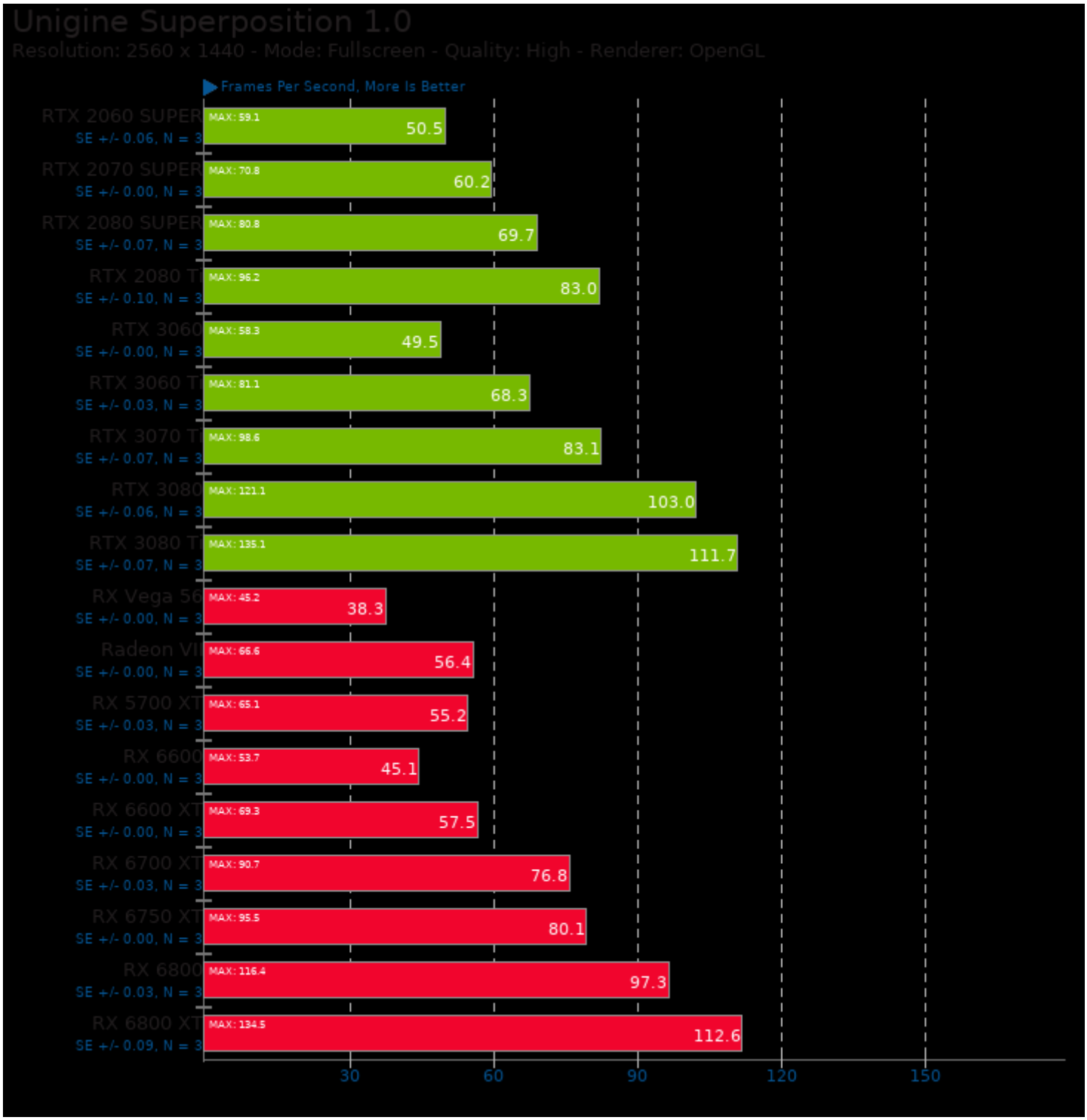
Radeon RX 6750 XT Linux Review Benchmarks



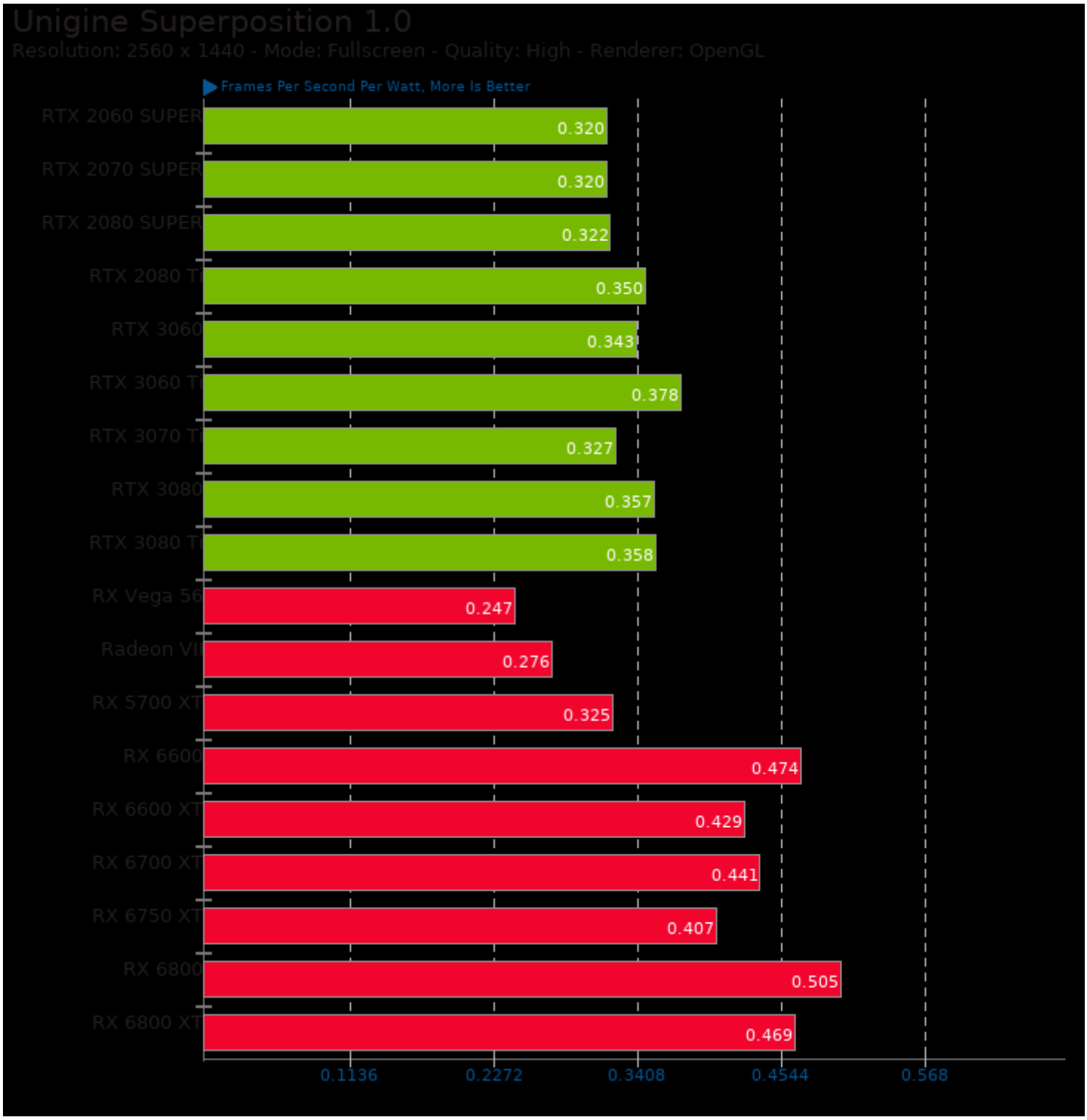
Radeon RX 6750 XT Linux Review Benchmarks



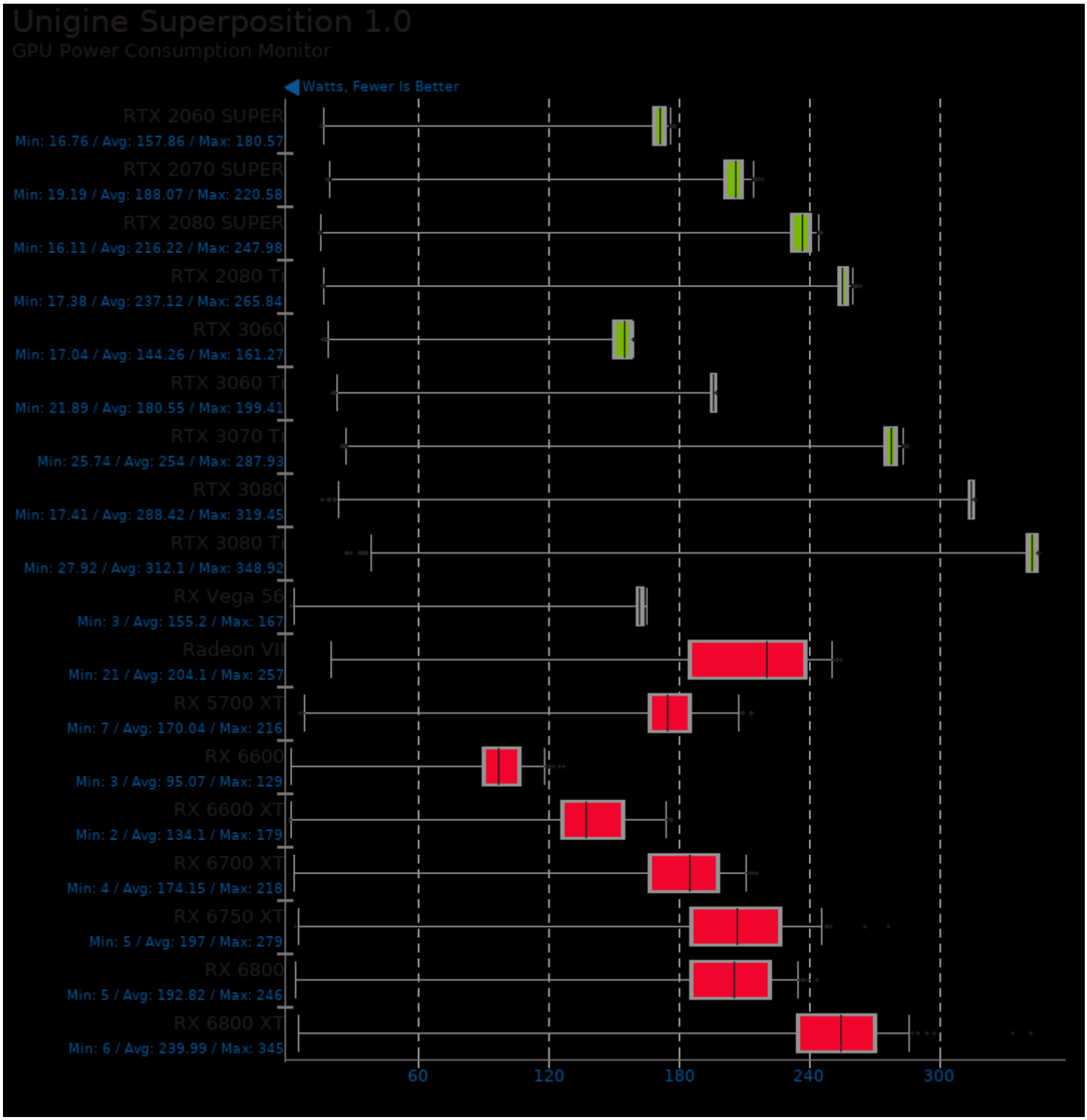
Radeon RX 6750 XT Linux Review Benchmarks



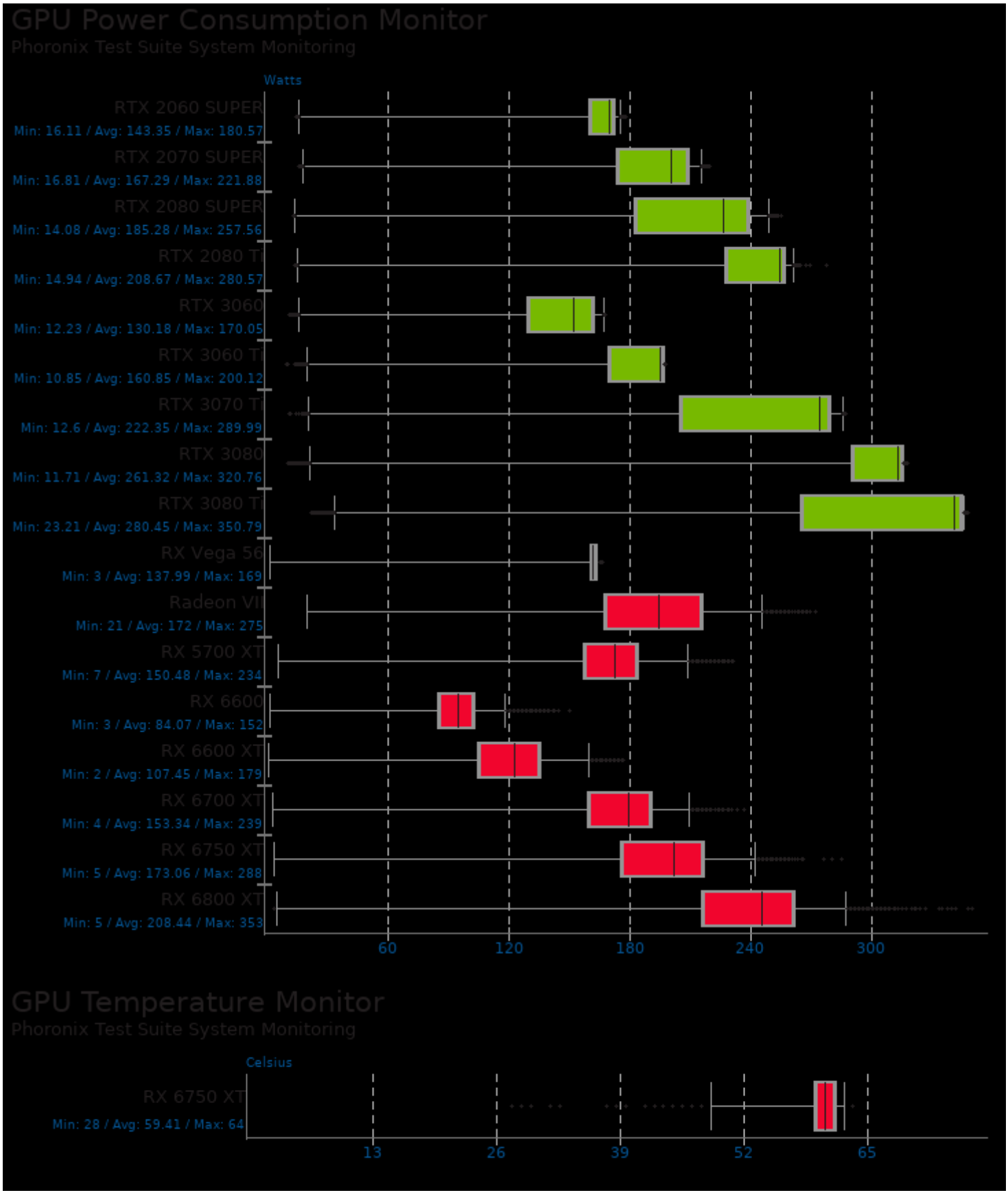
Radeon RX 6750 XT Linux Review Benchmarks



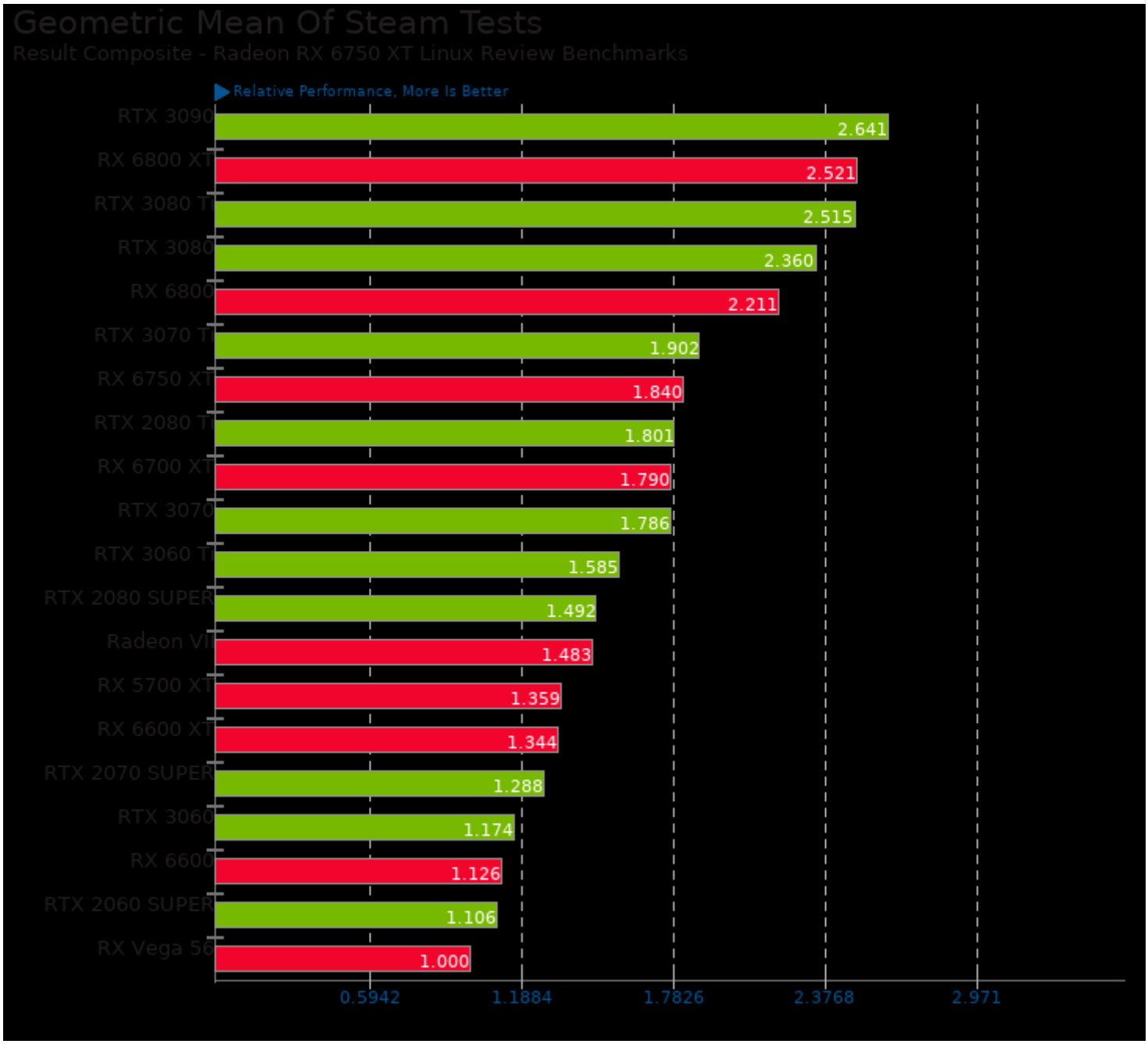
Radeon RX 6750 XT Linux Review Benchmarks



Radeon RX 6750 XT Linux Review Benchmarks



These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/batman-knight, pts/dirt-rally2, pts/f12021, pts/hitman3, pts/strange-brigade, pts/twtk and pts/deus-exmd

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 08:49.