


www.phoronix-test-suite.com

# Dota 2 Radeon Resolutions Test

Fun with the open-source Radeon drivers with Dota 2 Valve game on Ubuntu Linux.

## Test Systems:

### Radeon HD 5830

Processor: Intel Core i7-5960X @ 3.50GHz (16 Cores), Motherboard: Gigabyte X99-UD4-CF, Chipset: Intel Xeon E7 v3/Xeon, Memory: 16384MB, Disk: 2 x 120GB SanDisk SDSSDA12 + 120GB Samsung SSD 850, Graphics: Sapphire AMD Radeon HD 5830 1024MB, Audio: Realtek ALC1150, Monitor: DELL P2415Q, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.5.0-rc3phx+ (x86_64) 20160208, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: radeon 7.6.99, OpenGL: 4.1 Mesa 11.2.0-devel (padoka PPA) Gallium 0.4, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 1920x1080

Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: EXA

### Radeon HD 6870

Processor: Intel Core i7-5960X @ 3.50GHz (16 Cores), Motherboard: Gigabyte X99-UD4-CF, Chipset: Intel Xeon E7 v3/Xeon, Memory: 16384MB, Disk: 2 x 120GB SanDisk SDSSDA12 + 120GB Samsung SSD 850, Graphics: Sapphire AMD Radeon HD 6870 1024MB, Audio: Realtek ALC1150, Monitor: DELL P2415Q, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.5.0-rc3phx+ (x86_64) 20160208, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: radeon 7.6.99, OpenGL: 3.3 Mesa 11.2.0-devel (padoka PPA) Gallium 0.4, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 1920x1080

Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: EXA

## Radeon HD 6950

Processor: Intel Core i7-5960X @ 3.50GHz (16 Cores), Motherboard: Gigabyte X99-UD4-CF, Chipset: Intel Xeon E7 v3/Xeon, Memory: 16384MB, Disk: 2 x 120GB SanDisk SDSSDA12 + 120GB Samsung SSD 850, Graphics: Sapphire AMD Radeon HD 6950 2048MB, Audio: Realtek ALC1150, Monitor: DELL P2415Q, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.5.0-rc3phx+ (x86_64) 20160208, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: radeon 7.6.99, OpenGL: 4.1 Mesa 11.2.0-devel (padoka PPA) Gallium 0.4, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 1920x1080

Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: EXA

## Radeon HD 7950

Processor: Intel Core i7-5960X @ 3.50GHz (16 Cores), Motherboard: Gigabyte X99-UD4-CF, Chipset: Intel Xeon E7 v3/Xeon, Memory: 16384MB, Disk: 2 x 120GB SanDisk SDSSDA12 + 120GB Samsung SSD 850, Graphics: XFX AMD Radeon HD 7950/8950 OEM / R9 280 3072MB, Audio: Realtek ALC1150, Monitor: DELL P2415Q, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.5.0-rc3phx+ (x86_64) 20160208, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: radeon 7.6.99, OpenGL: 4.1 Mesa 11.2.0-devel (padoka PPA) Gallium 0.4, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR

## Radeon R9 285

Processor: Intel Core i7-5960X @ 3.50GHz (16 Cores), Motherboard: Gigabyte X99-UD4-CF, Chipset: Intel Xeon E7 v3/Xeon, Memory: 16384MB, Disk: 2 x 120GB SanDisk SDSSDA12 + 120GB Samsung SSD 850, Graphics: XFX AMD Radeon R9 285/380 2048MB, Audio: Realtek ALC1150, Monitor: DELL P2415Q, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.5.0-rc3phx+ (x86_64) 20160208, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: amdgpu 1.0.99, OpenGL: 4.1 Mesa 11.2.0-devel (padoka PPA) Gallium 0.4, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR

## Radeon R9 290

# Dota 2 Radeon Resolutions Test

Processor: Intel Core i7-5960X @ 3.50GHz (16 Cores), Motherboard: Gigabyte X99-UD4-CF, Chipset: Intel Xeon E7 v3/Xeon, Memory: 16384MB, Disk: 2 x 120GB SanDisk SDSSDA12 + 120GB Samsung SSD 850, Graphics: XFX AMD Radeon R9 290 4096MB, Audio: Realtek ALC1150, Monitor: DELL P2415Q, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.5.0-rc3phx+ (x86_64) 20160208, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: radeon 7.6.99, OpenGL: 4.1 Mesa 11.2.0-devel (padoka PPA) Gallium 0.4, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR

## Radeon R7 370

Processor: Intel Core i7-5960X @ 3.50GHz (16 Cores), Motherboard: Gigabyte X99-UD4-CF, Chipset: Intel Xeon E7 v3/Xeon, Memory: 16384MB, Disk: 2 x 120GB SanDisk SDSSDA12 + 120GB Samsung SSD 850, Graphics: MSI AMD Radeon R7 370 / R9 270/370 OEM 4096MB, Audio: Realtek ALC1150, Monitor: DELL P2415Q, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.5.0-rc3phx+ (x86_64) 20160208, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: radeon 7.6.99, OpenGL: 4.1 Mesa 11.2.0-devel (padoka PPA) Gallium 0.4, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR

## Radeon R9 Fury

Processor: Intel Core i7-5960X @ 3.50GHz (16 Cores), Motherboard: Gigabyte X99-UD4-CF, Chipset: Intel Xeon E7 v3/Xeon, Memory: 16384MB, Disk: 2 x 120GB SanDisk SDSSDA12 + 120GB Samsung SSD 850, Graphics: Sapphire AMD Radeon R9 FURY 4096MB, Audio: Realtek ALC1150, Monitor: DELL P2415Q, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.5.0-rc3phx+ (x86_64) 20160208, Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: amdgpu 1.0.99, OpenGL: 4.1 Mesa 11.2.0-devel (padoka PPA) Gallium 0.4, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

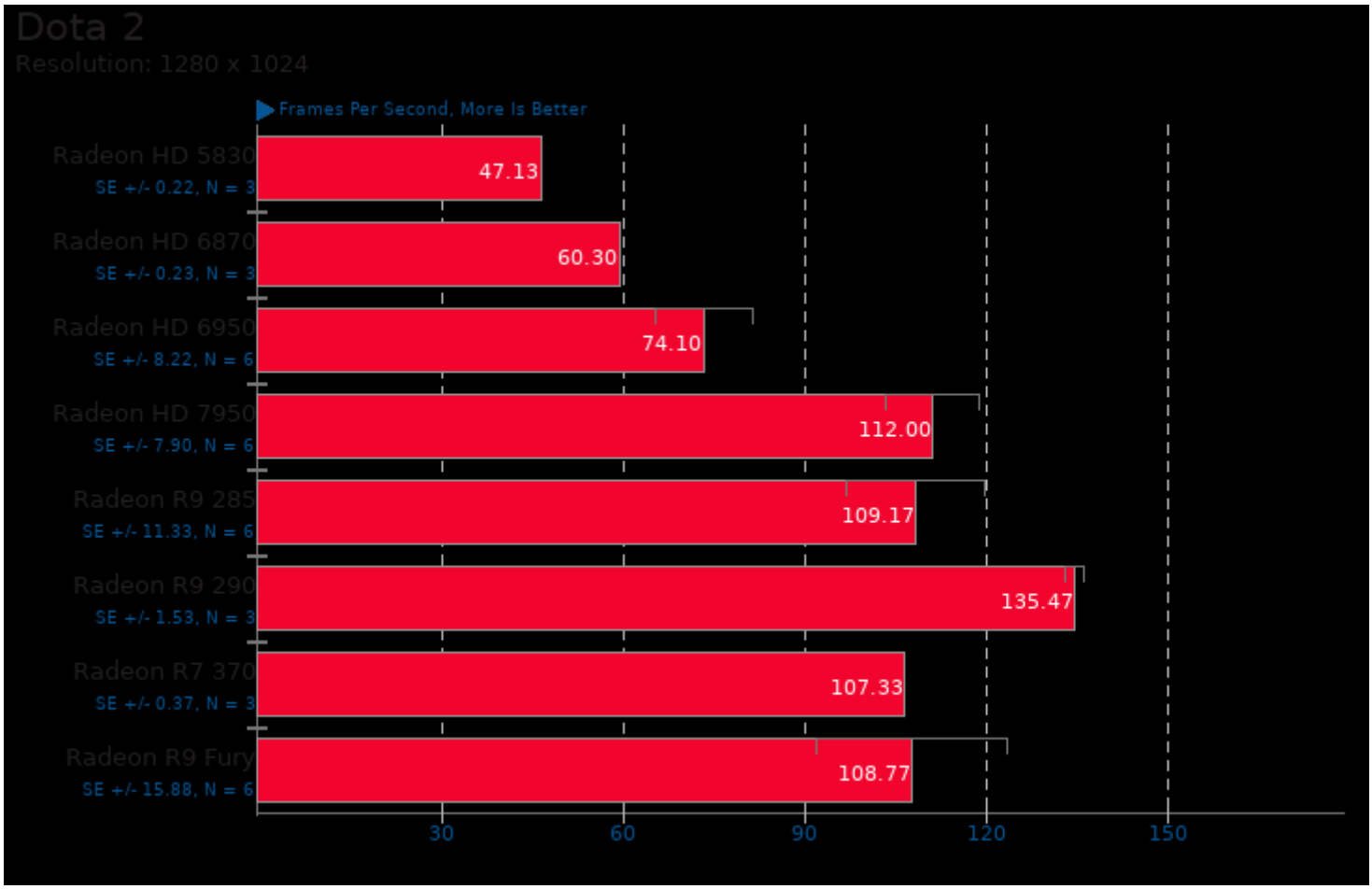
Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR

| | Radeon HD 5830 | Radeon HD 6870 | Radeon HD 6950 | Radeon HD 7950 | Radeon R9 285 | Radeon R9 290 | Radeon R7 370 | Radeon R9 Fury |
|---|---|---|---|---|---|---|---|---|
| **Dota 2 - 1280 x 1024 (FPS)** | **47.13** | 60.30 | 74.10 | 112.00 | 109.17 | **135.47** | 107.33 | 108.77 |
| **Normalized** | 34.79% | 44.51% | 54.7% | 82.68% | 80.59% | 100% | 79.23% | 80.29% |
| **Standard Deviation** | 0.8% | 0.7% | 27.2% | 17.3% | 25.4% | 2% | 0.6% | 35.8% |
| **Dota 2 - 1600 x 1200 (FPS)** | **35.73** | 45.37 | 63.63 | 97.40 | 105.80 | **133.63** | 85.20 | 116.67 |
| **Normalized** | 26.74% | 33.95% | 47.62% | 72.89% | 79.17% | 100% | 63.76% | 87.31% |
| **Standard Deviation** | 0.2% | 0.9% | 0.3% | 0.2% | 0.3% | 2.1% | 0.4% | 1% |

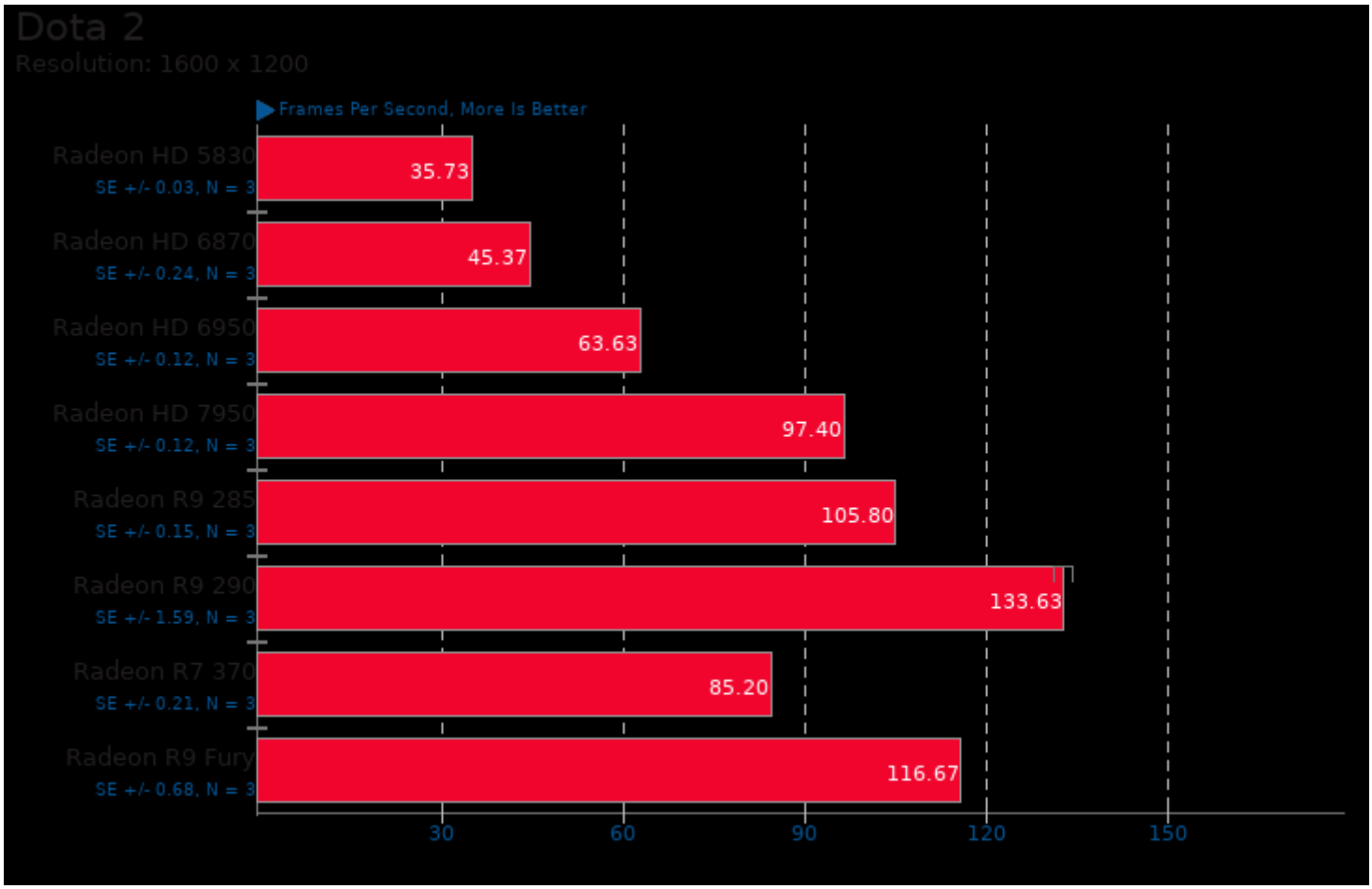
# Dota 2 Radeon Resolutions Test

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Dota 2 - 1920 x 1080 (FPS)** | **33.20** | 42.03 | 58.50 | 89.83 | 97.17 | **124.20** | 77.33 | 111.87 |
| **Normalized** | 26.73% | 33.84% | 47.1% | 72.33% | 78.24% | 100% | 62.26% | 90.07% |
| **Standard Deviation** | 0.3% | 0.3% | 0% | 0.7% | 0.1% | 0.5% | 0.7% | 1.3% |
| **Dota 2 - 2560 x 1440 (FPS)** | | | | 61.53 | 66.23 | 93.33 | **52.20** | **109.63** |
| **Normalized** | | | | 56.13% | 60.41% | 85.13% | 47.61% | 100% |
| **Standard Deviation** | | | | 0.4% | 0.6% | 0.3% | 0.4% | 1.4% |
| **Dota 2 - 3840 x 2160 (FPS)** | | | | 33.53 | 35.63 | 51.63 | **27.53** | **67.07** |
| **Normalized** | | | | 49.99% | 53.12% | 76.98% | 41.05% | 100% |
| **Standard Deviation** | | | | 0.5% | 2% | 0.3% | 0.2% | 0.3% |

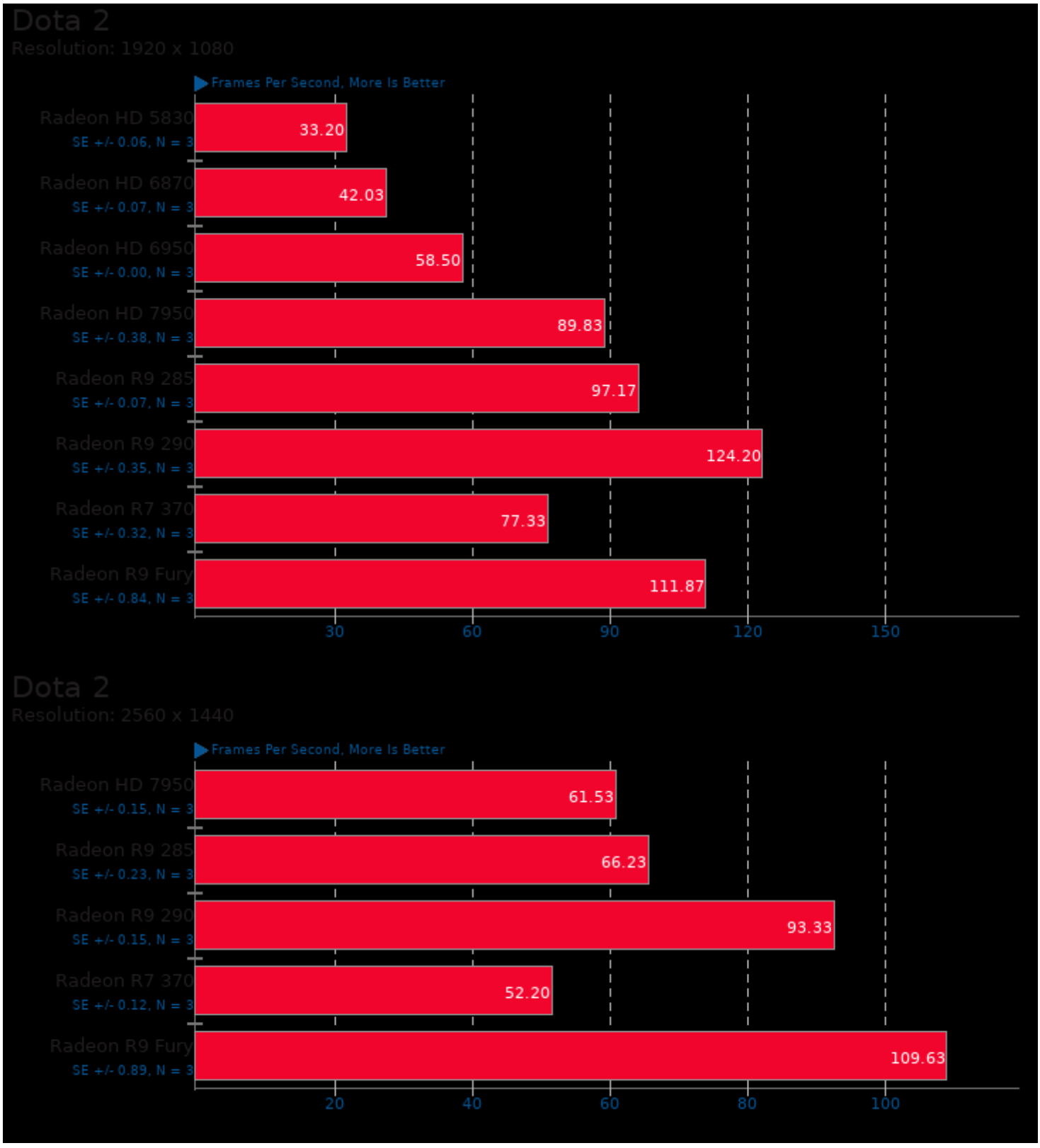
# Dota 2 Radeon Resolutions Test



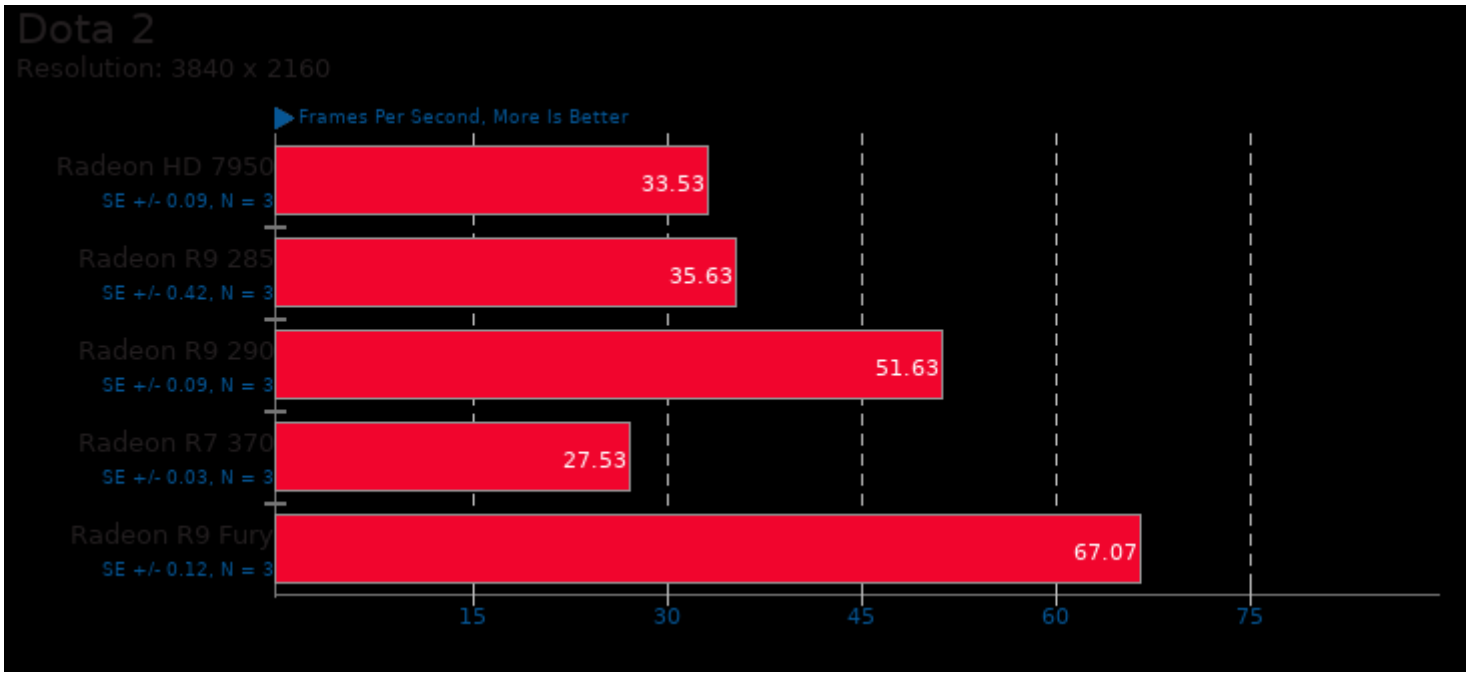
# Dota 2 Radeon Resolutions Test



# Dota 2 Radeon Resolutions Test



# Dota 2 Radeon Resolutions Test




*This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 10:38.*