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Dota 2 Linux 4K NVIDIA System Monitoring Tests

Dota 2 NVIDIA Linux benchmarks by Michael Larabel.

Test Systems:

GeForce GTX 680

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: NVIDIA GeForce GTX 680 2048MB (1006/3004MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-27-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 361.28, OpenGL: 4.5.0, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 750

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: eVGA NVIDIA GeForce GTX 750 1024MB (1019/2505MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-27-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 361.28, OpenGL: 4.5.0, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 760

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: NVIDIA GeForce GTX 760 2048MB (980/3004MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-27-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 361.28, OpenGL: 4.5.0, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 780 Ti

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: NVIDIA GeForce GTX 780 Ti 3072MB (875/3500MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-27-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 361.28, OpenGL: 4.5.0, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 960

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: eVGA NVIDIA GeForce GTX 960 2048MB (1277/3505MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-27-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 361.28, OpenGL: 4.5.0, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 970

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: eVGA NVIDIA GeForce GTX 970 4096MB (1163/3505MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-27-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 361.28, OpenGL: 4.5.0, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 980

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: NVIDIA GeForce GTX 980 4096MB (1126/3505MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-27-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 361.28, OpenGL: 4.5.0, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX 980 Ti

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: NVIDIA GeForce GTX 980 Ti 6144MB (999/3505MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-27-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 361.28, OpenGL: 4.5.0, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

Processor Notes: Scaling Governor: intel_pstate performance

GeForce GTX TITAN X

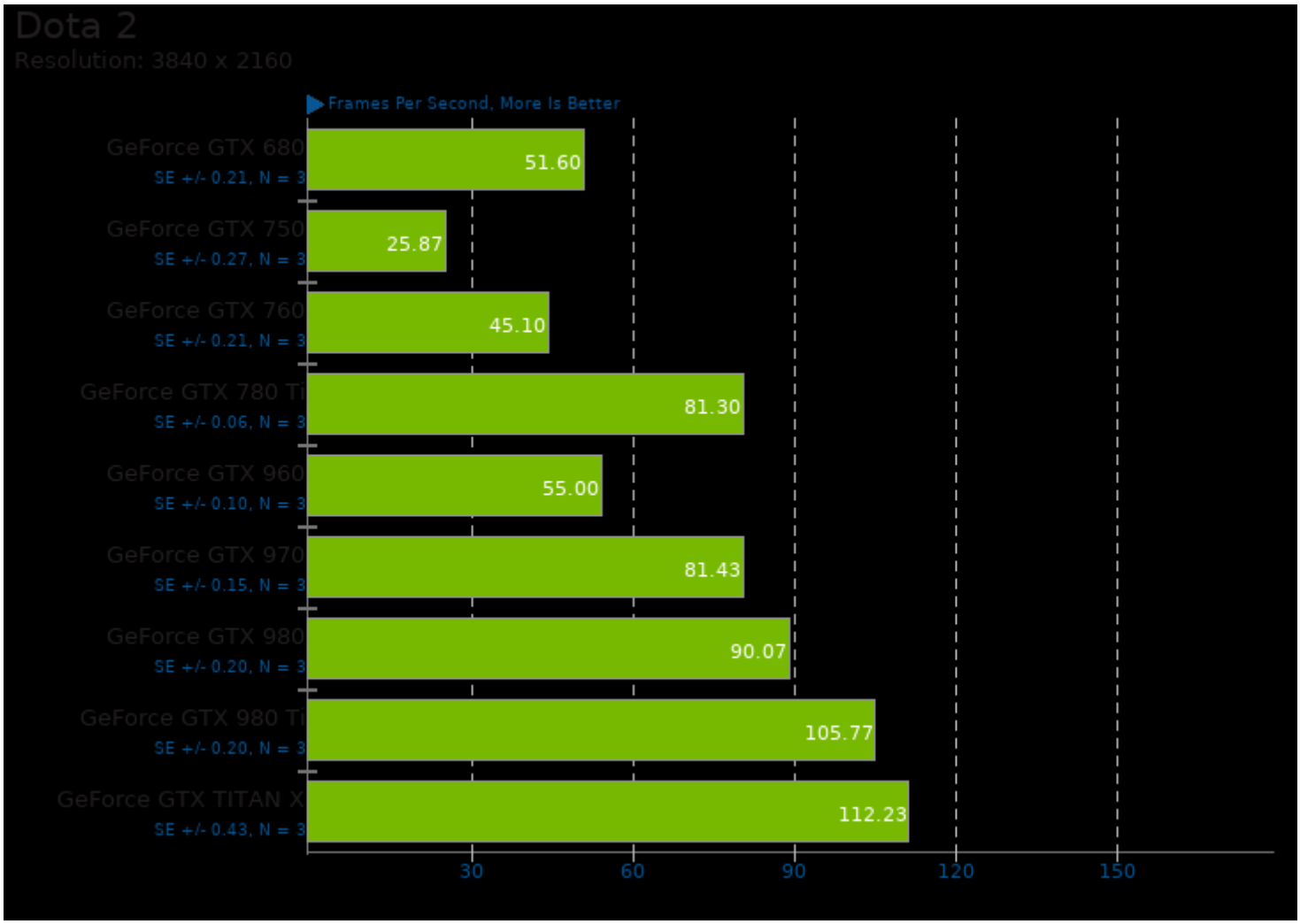
Processor: Intel Core i7-5960X @ 3.50GHz (16 Cores), Motherboard: Gigabyte X99-UD4-CF, Chipset: Intel Xeon E7 v3/Xeon, Memory: 16384MB, Disk: 2 x 120GB SanDisk SDSSDA12 + 120GB Samsung SSD 850, Graphics: NVIDIA GeForce GTX TITAN X 12288MB (1001/3505MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-27-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 361.28, OpenGL: 4.5.0, Compiler: GCC 5.2.1 20151010, File-System: ext4, Screen Resolution: 3840x2160

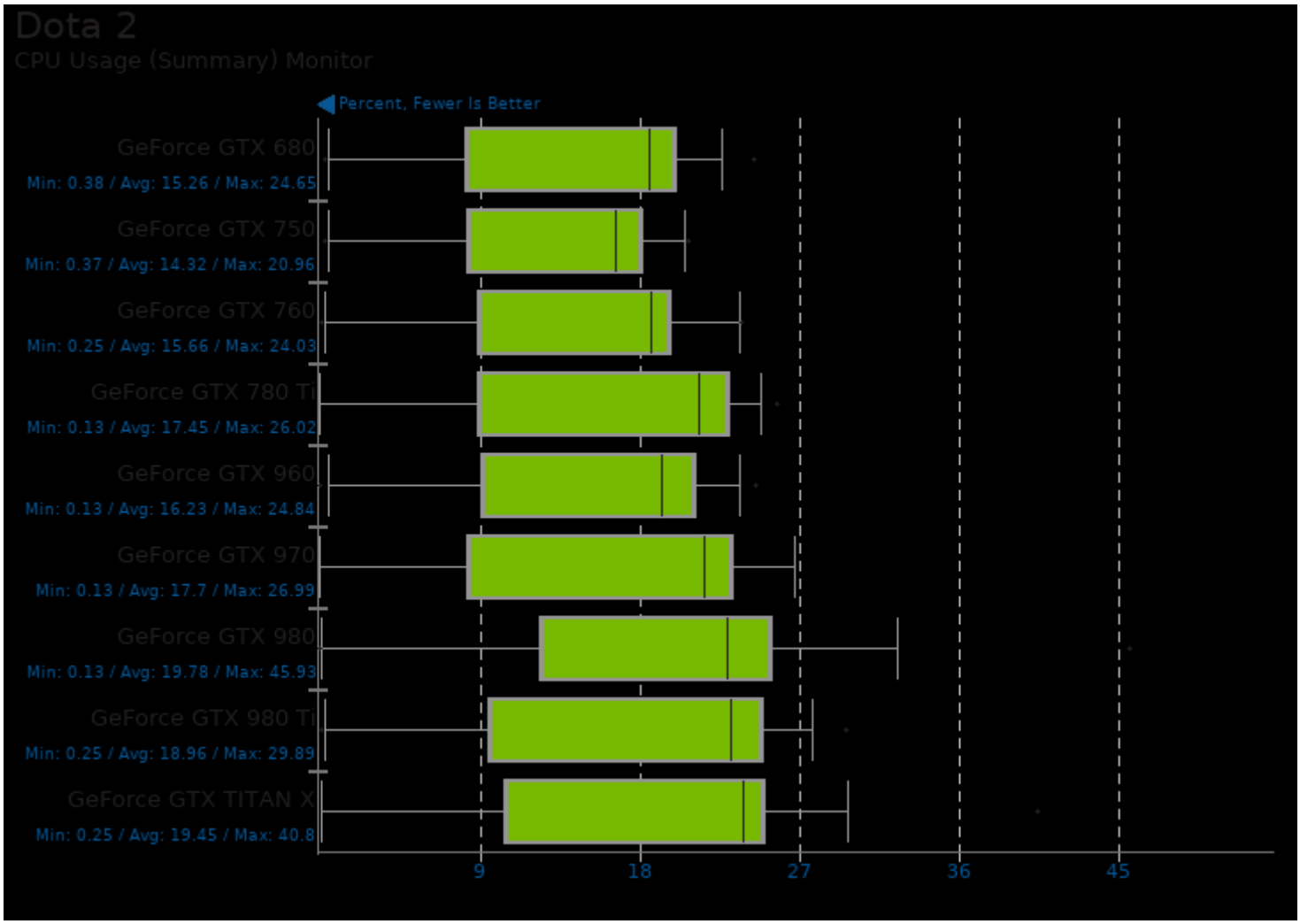
Processor Notes: Scaling Governor: intel_pstate performance

	GeForce GTX 680	GeForce GTX 750	GeForce GTX 760	GeForce GTX 780 Ti	GeForce GTX 960	GeForce GTX 970	GeForce GTX 980	GeForce GTX 980 Ti	GeForce GTX TITAN X
Dota 2 - 3840 x 2160 (FPS)	51.60	**25.87**	45.10	81.30	55.00	81.43	90.07	105.77	**112.23**
Normalized	45.98%	23.05%	40.19%	72.44%	49.01%	72.56%	80.25%	94.24%	100%
Standard Deviation	0.7%	1.8%	0.8%	0.1%	0.3%	0.3%	0.4%	0.3%	0.7%

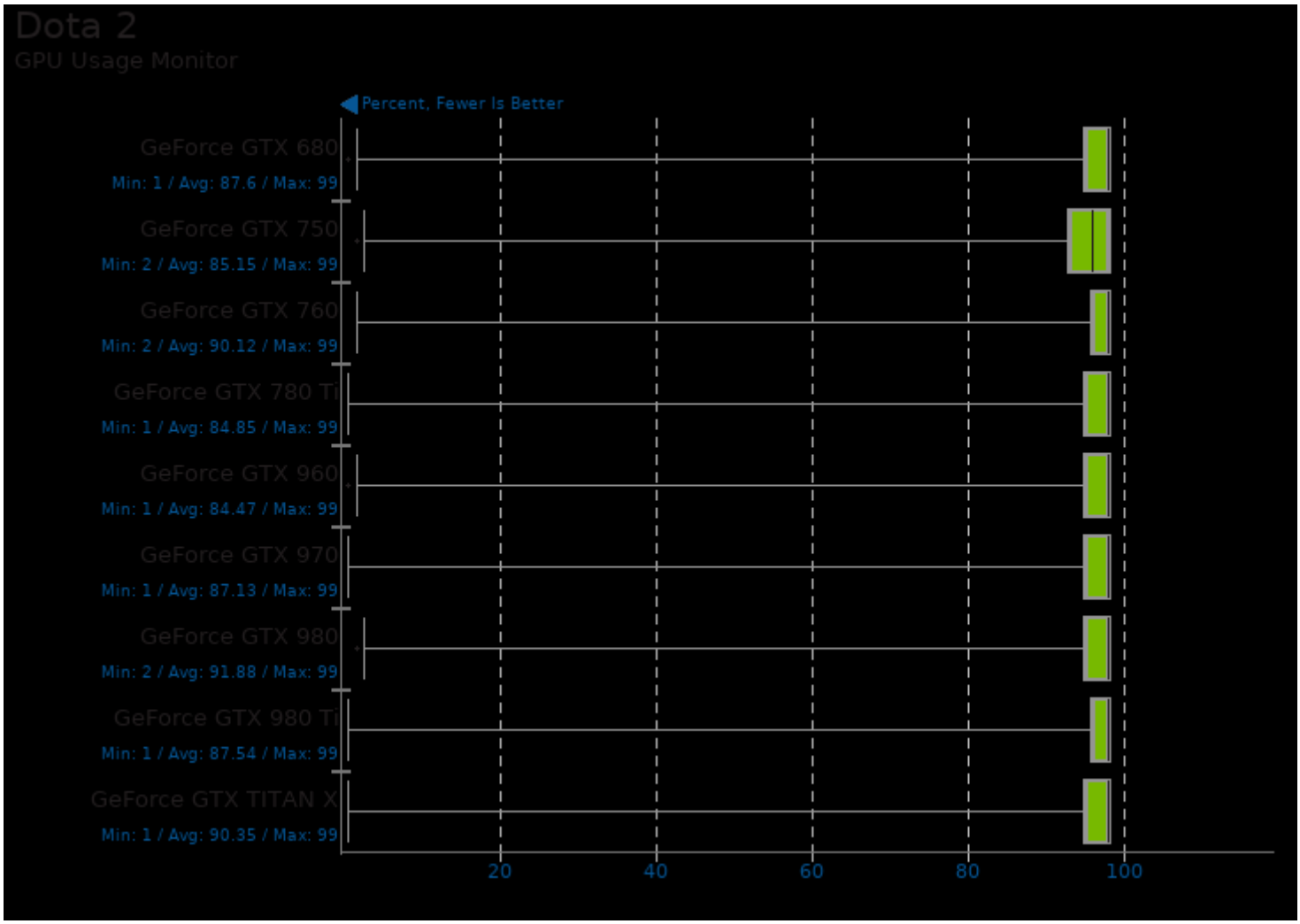
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