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NVIDIA Nouveau 1080p

Intel Core i7-5960X testing with a Gigabyte X99-UD4-CF and NVIDIA GeForce GTX 750 Ti 2048MB on Ubuntu 15.10 via the Phoronix Test Suite.

Automated Executive Summary

NVIDIA 358.16: GTX 780 Ti had the most wins, coming in first place for 88% of the tests.

Based on the geometric mean of all complete results, the fastest (NVIDIA 358.16: GTX 780 Ti) was 2.478x the speed of the slowest (NVIDIA 358.16: GTX 650). NVIDIA 358.16: GTX 760 was 0.943x the speed of NVIDIA 358.16: GTX 680, NVIDIA 358.16: GTX 780 Ti was 1.168x the speed of NVIDIA 358.16: GTX 760, NVIDIA 358.16: GTX 650 was 0.403x the speed of NVIDIA 358.16: GTX 780 Ti, NVIDIA 358.16: GTX 750 Ti was 1.604x the speed of NVIDIA 358.16: GTX 650.

Test Systems:

NVIDIA 358.16: 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: 120GB Samsung SSD 850, Graphics: NVIDIA GeForce GTX 680 2048MB (1006/3004MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-22-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 358.16, OpenGL: 4.4.0, Compiler: GCC 4.9.3, File-System: ext4, Screen Resolution: 1920x1080

Processor Notes: Scaling Governor: intel_pstate powersave

NVIDIA 358.16: 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: 120GB Samsung SSD 850, Graphics: NVIDIA GeForce GTX 760 2048MB (980/3004MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-22-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 358.16, OpenGL: 4.4.0, Compiler: GCC 4.9.3, File-System: ext4, Screen Resolution: 1920x1080

Processor Notes: Scaling Governor: intel_pstate powersave

NVIDIA 358.16: 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: 120GB Samsung SSD 850, Graphics: NVIDIA GeForce GTX 780 Ti 3072MB (875/3500MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-22-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 358.16, OpenGL: 4.4.0, Compiler: GCC 4.9.3, File-System: ext4, Screen Resolution: 1920x1080

Processor Notes: Scaling Governor: intel_pstate powersave

NVIDIA 358.16: GTX 650

Processor: Intel Core i7-5960X @ 3.50GHz (16 Cores), Motherboard: Gigabyte X99-UD4-CF, Chipset: Intel Xeon E7 v3/Xeon, Memory: 16384MB, Disk: 120GB Samsung SSD 850, Graphics: MSI NVIDIA GeForce GTX 650 1024MB (1084/2500MHz), Audio: Realtek ALC1150, Network: Intel Connection

OS: Ubuntu 15.10, Kernel: 4.2.0-22-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 358.16, OpenGL: 4.4.0, Compiler: GCC 4.9.3, File-System: ext4, Screen Resolution: 1920x1080

Processor Notes: Scaling Governor: intel_pstate powersave

NVIDIA 358.16: GTX 750 Ti

Processor: Intel Core i7-5960X @ 3.50GHz (16 Cores), Motherboard: Gigabyte X99-UD4-CF, Chipset: Intel Xeon E7 v3/Xeon, Memory: 16384MB, Disk: 120GB Samsung SSD 850, Graphics: NVIDIA GeForce GTX 750 Ti 2048MB (1019/2700MHz), Audio: Realtek ALC1150, Network: Intel Connection

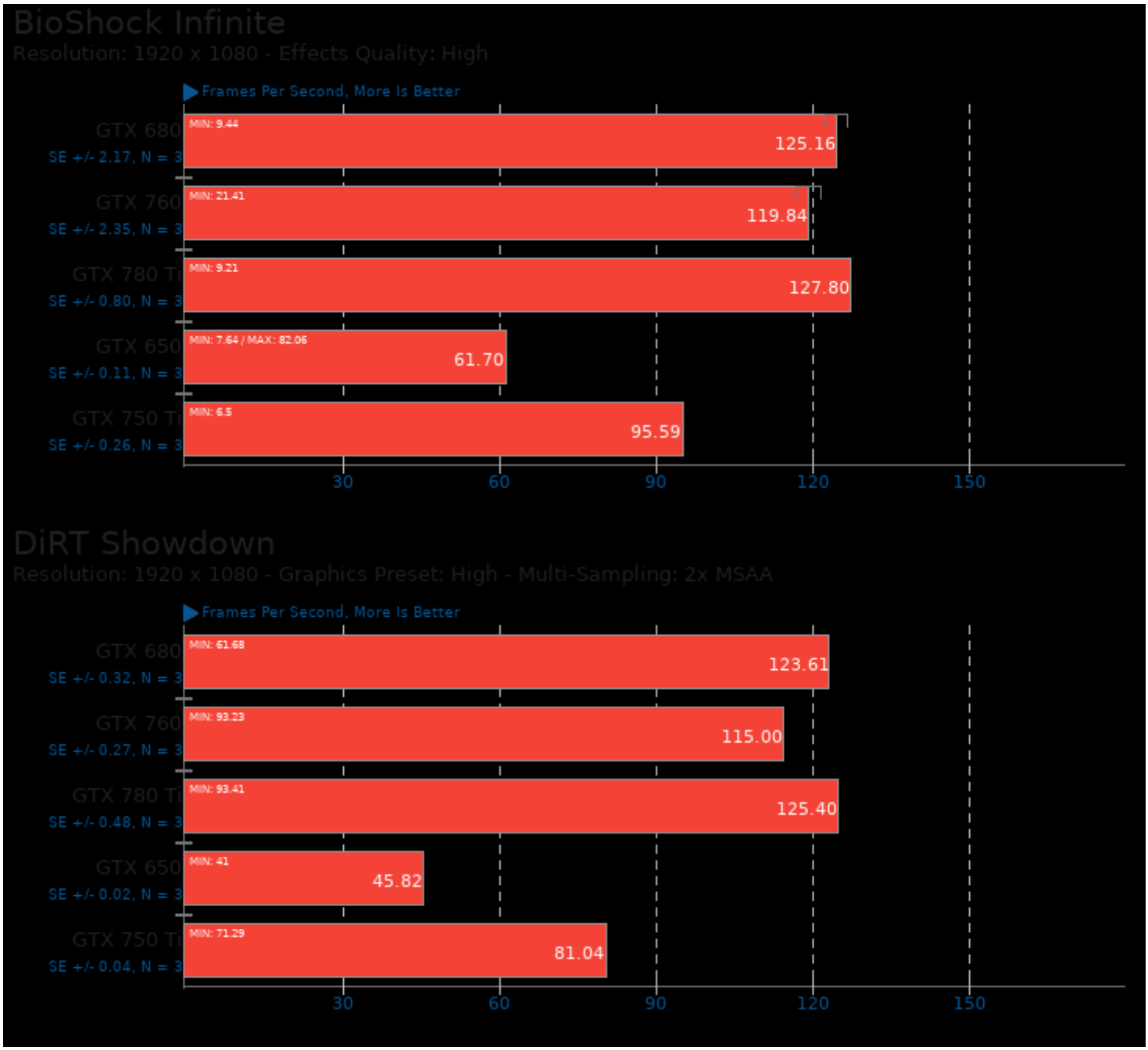
OS: Ubuntu 15.10, Kernel: 4.2.0-22-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: NVIDIA 358.16, OpenGL: 4.4.0, Compiler: GCC 4.9.3, File-System: ext4, Screen Resolution: 1920x1080

Processor Notes: Scaling Governor: intel_pstate powersave

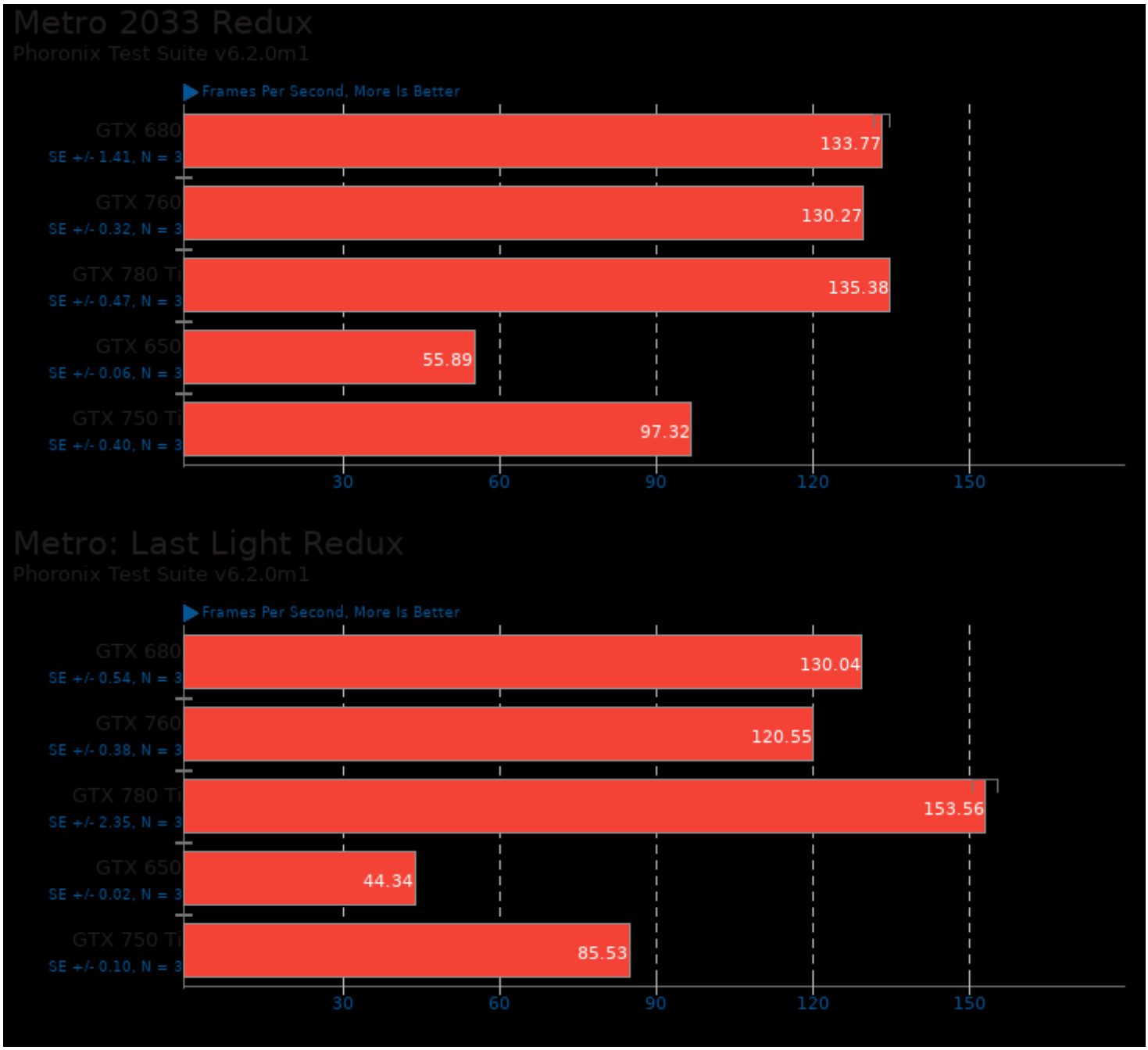
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	NVIDIA 358.16: GTX 680	NVIDIA 358.16: GTX 760	NVIDIA 358.16: GTX 780 Ti	NVIDIA 358.16: GTX 650	NVIDIA 358.16: GTX 750 Ti
BioShock Infinite - 1920 x 1080 - High (FPS)	125.16	119.84	**127.80**	**61.70**	95.59
Normalized	97.93%	93.77%	100%	48.28%	74.8%
Standard Deviation	3%	3.4%	1.1%	0.3%	0.5%
DiRT Showdown - 1920 x 1080 - High - 2x MSAA (FPS)	123.61	115.00	**125.40**	**45.82**	81.04
Normalized	98.57%	91.71%	100%	36.54%	64.63%
Standard Deviation	0.5%	0.4%	0.7%	0.1%	0.1%
Metro 2033 Redux - P.T.S.v.2.0 (FPS)	133.77	130.27	**135.38**	**55.89**	97.32
Normalized	98.81%	96.23%	100%	41.28%	71.89%
Standard Deviation	1.8%	0.4%	0.6%	0.2%	0.7%
Metro: Last Light Redux - P.T.S.v.2.0 (FPS)	130.04	120.55	**153.56**	**44.34**	85.53
Normalized	84.68%	78.5%	100%	28.87%	55.7%
Standard Deviation	0.7%	0.6%	2.6%	0.1%	0.2%
OpenArena - 1920 x 1080 (FPS)	344.57	320.17	**392.33**	**126.77**	250.87
Normalized	87.83%	81.61%	100%	32.31%	63.94%
Standard Deviation	0.9%	0.6%	0.9%	0%	1%
Tesseract - 1920 x 1080 (FPS)	224.19	214.35	**267.75**	**122.99**	180.92
Normalized	83.73%	80.06%	100%	45.93%	67.57%
Standard Deviation	2.8%	1.4%	1.3%	0.6%	1.3%
Team Fortress 2 - 1920 x 1080 (FPS)	**109.80**	108.33	105.95	**91.50**	104.31
Normalized	100%	98.66%	96.49%	83.33%	95%
Standard Deviation	6.4%	6.3%	7.3%	4.2%	6.5%
Unigine Valley - 1920 x 1080 - Fullscreen (FPS)	64.70	55.76	**91.43**	**20.13**	34.63
Normalized	70.76%	60.99%	100%	22.02%	37.88%
Standard Deviation	0.1%	0.4%	0.6%	0.1%	0.1%
Xonotic - 1920 x 1080 - Ultimate (FPS)	223.37	216.21	**231.21**	**110.43**	147.94
Normalized	96.61%	93.51%	100%	47.76%	63.99%
Standard Deviation	1.3%	1.5%	1.4%	0.4%	0.4%

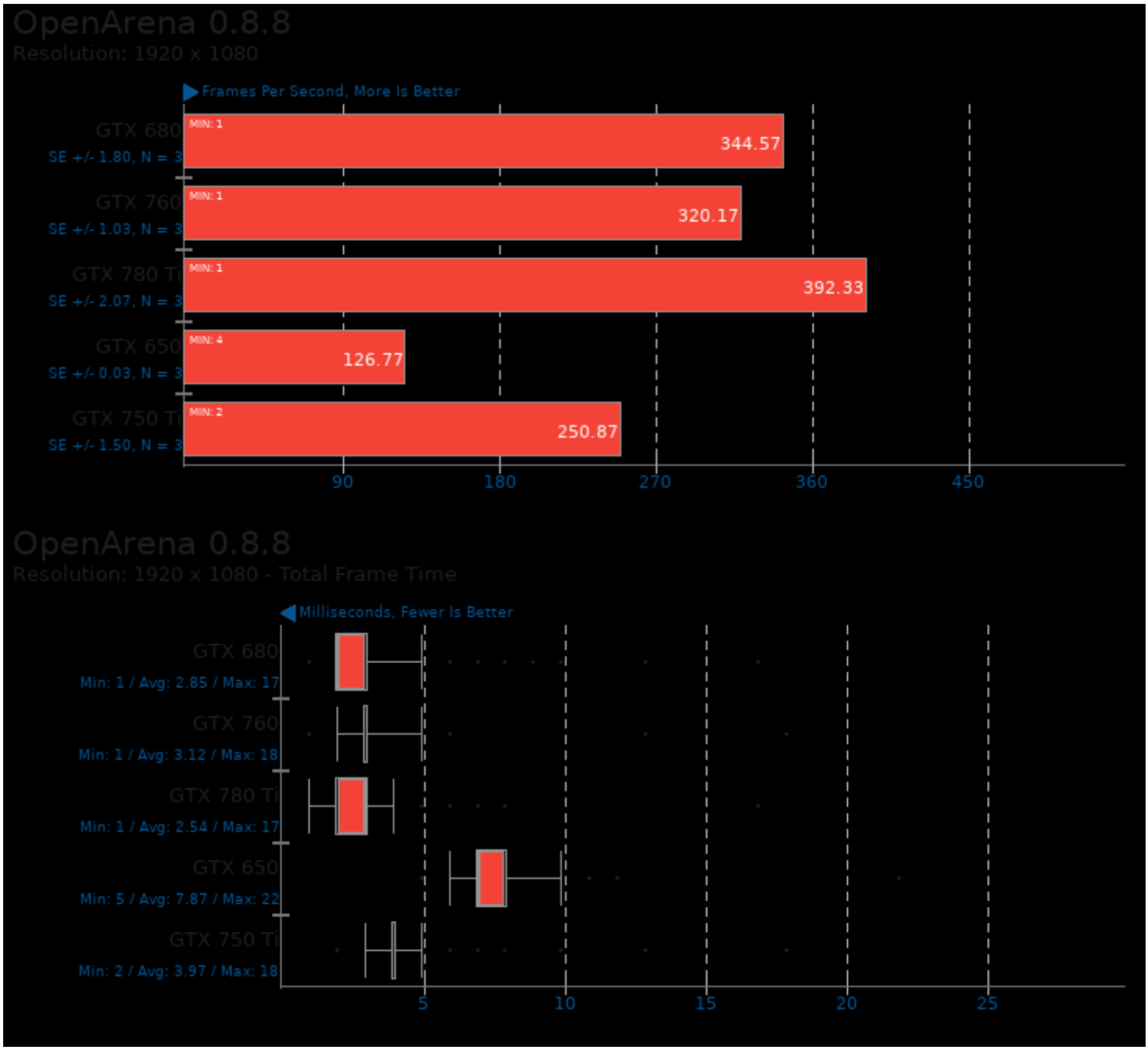
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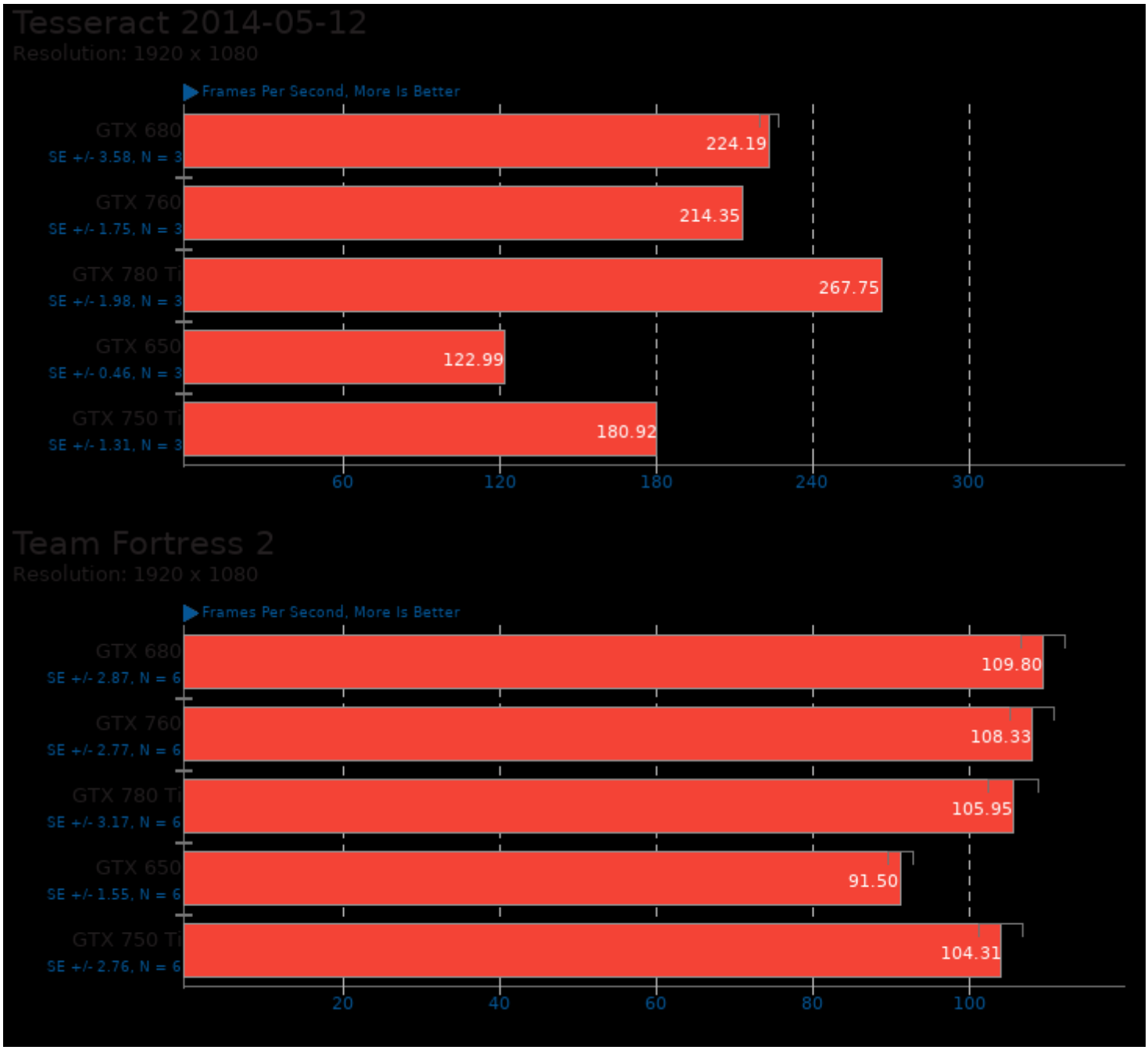
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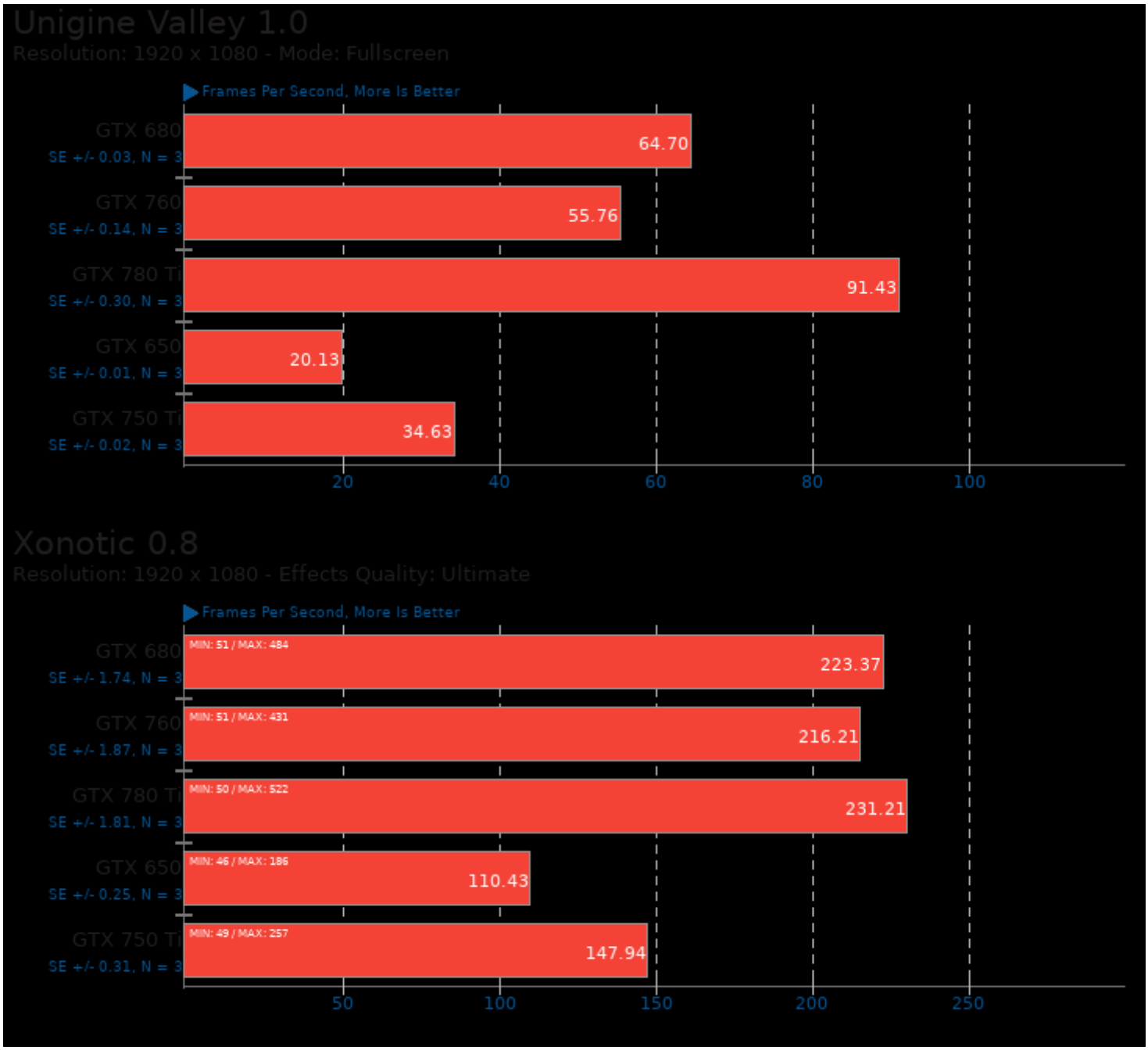
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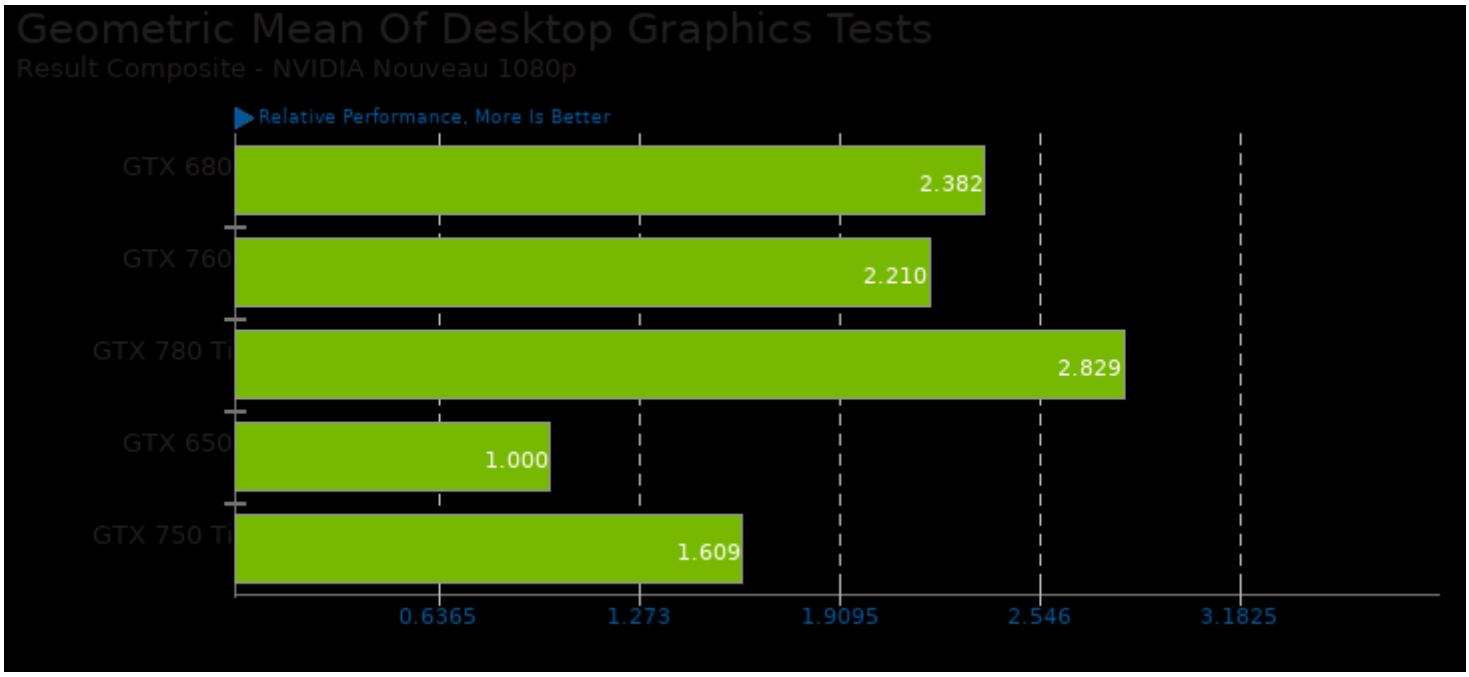
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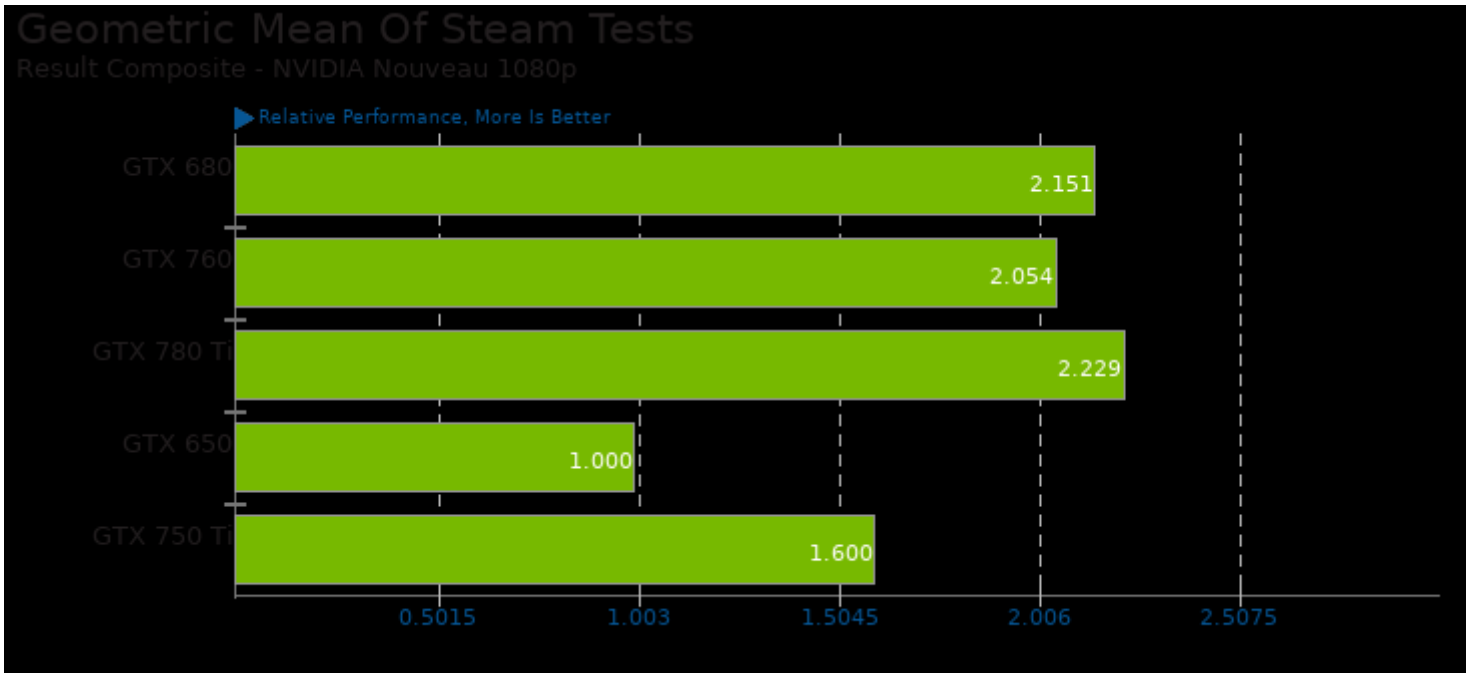
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These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/xonotic, pts/openarena, pts/tesseract and pts/unigine-valley



Geometric mean based upon tests: pts/bioshock-infinite, pts/dirt-showdown, pts/metro2033-redux, pts/metroll-redux and pts/tf2

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 05:33.