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Mesa_Performance

Intel Core i7-4770K testing with a ASUS MAXIMUS VI IMPACT (1603 BIOS) and MSI AMD Radeon HD 7970/8970 OEM / R9 280X 3GB on Antergos rolling via the Phoronix Test Suite.

Automated Executive Summary

nir,sisched,noerror / checkout before guilty patch had the most wins, coming in first place for 40% of the tests.

Test Systems:

13-10 4.19 staging

Processor: Intel Core i7-4770K @ 4.50GHz (4 Cores / 8 Threads), Motherboard: ASUS MAXIMUS VI IMPACT (1603 BIOS), Chipset: Intel 4th Gen Core DRAM, Memory: 16384MB, Disk: 2 x 128GB Samsung SSD 840 + 640GB Seagate ST3640323AS + Transcend 4GB + 1000GB 28AS, Graphics: MSI AMD Radeon HD 7900 3072MB, Audio: Realtek ALC1150, Monitor: ASUS VG23A, Network: Qualcomm Atheros AR93xx Wireless

OS: Antergos rolling, Kernel: 4.19.0-2-amd-staging-drm-next-git (x86_64), Desktop: Deepin Desktop Environment,

Display Server: X Server 1.20.1, OpenGL: 4.5 Mesa 18.3.0-devel (git-cc33621e3b) (LLVM 8.0.0), OpenCL: OpenCL 1.1 Mesa 18.3.0-devel (git-cc33621e3b), Compiler: GCC 8.2.1 20180831 + Clang 8.0.0 (SVN 344236) + LLVM 8.0.0svn, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: amdgpu.si_support=1
Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR
Security Notes: __user pointer sanitization + Full generic retpoline IBPB IBRS_FW + SSB disabled via prctl and seccomp + PTE Inversion Protection

checkout before guilty patch

nir,sisched,noerror / checkout before guilty patch

Processor: Intel Core i7-4770K @ 4.50GHz (4 Cores / 8 Threads), Motherboard: ASUS MAXIMUS VI IMPACT (1603 BIOS), Chipset: Intel 4th Gen Core DRAM, Memory: 16384MB, Disk: 2 x 128GB Samsung SSD 840 + 640GB Seagate ST3640323AS + Transcend 4GB + 1000GB 28AS, Graphics: MSI AMD Radeon HD 7900 3072MB, Audio: Realtek ALC1150, Monitor: ASUS VG23A, Network: Qualcomm Atheros AR93xx Wireless

OS: Antergos rolling, Kernel: 4.19.0-2-amd-staging-drm-next-git (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.1, OpenGL: 4.5 Mesa 18.3.0-devel (git-4052624398) (LLVM 8.0.0), OpenCL: OpenCL 1.1 Mesa 18.3.0-devel (git-4052624398), Compiler: GCC 8.2.1 20180831 + Clang 8.0.0 (SVN 344236) + LLVM 8.0.0svn, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: amdgpu.si_support=1
Environment Notes: MESA_NO_ERROR=1 R600_DEBUG=nir sisched
Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR
Security Notes: __user pointer sanitization + Full generic retpoline IBPB IBRS_FW + SSB disabled via prctl and seccomp + PTE Inversion Protection

nir,sisched,noerror / Mesa 13-10

nir,sisched,noerror / Mesa 13-10 2

Processor: Intel Core i7-4770K @ 4.50GHz (4 Cores / 8 Threads), Motherboard: ASUS MAXIMUS VI IMPACT (1603 BIOS), Chipset: Intel 4th Gen Core DRAM, Memory: 16384MB, Disk: 2 x 128GB Samsung SSD 840 + 640GB Seagate ST3640323AS + Transcend 4GB + 1000GB 28AS, Graphics: MSI AMD Radeon HD 7900 3072MB, Audio: Realtek ALC1150, Monitor: ASUS VG23A, Network: Qualcomm Atheros AR93xx Wireless

OS: Antergos rolling, Kernel: 4.19.0-2-amd-staging-drm-next-git (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.1, OpenGL: 4.5 Mesa 18.3.0-devel (git-cc33621e3b) (LLVM 8.0.0), OpenCL: OpenCL 1.1 Mesa 18.3.0-devel (git-cc33621e3b), Compiler: GCC 8.2.1 20180831 + Clang 8.0.0 (SVN 344236) + LLVM 8.0.0svn, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: amdgpu.si_support=1
Environment Notes: MESA_NO_ERROR=1 R600_DEBUG=nir sisched
Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR
Security Notes: __user pointer sanitization + Full generic retpoline IBPB IBRS_FW + SSB disabled via prctl and seccomp + PTE Inversion Protection

nir,sisched,noerror / Mesa 20-10

nir,sisched,noerror / Mesa 20-10 2

Processor: Intel Core i7-4770K @ 4.50GHz (4 Cores / 8 Threads), Motherboard: ASUS MAXIMUS VI IMPACT (1603 BIOS), Chipset: Intel 4th Gen Core DRAM, Memory: 16384MB, Disk: 2 x 128GB Samsung SSD 840 + 640GB Seagate

ST3640323AS + 16GB DataTraveler G3 + 1000GB 28AS, Graphics: MSI AMD Radeon HD 7900 3072MB, Audio: Realtek ALC1150, Monitor: ASUS VG23A, Network: Qualcomm Atheros AR93xx Wireless

OS: Antergos rolling, Kernel: 4.19.0-2-amd-staging-drm-next-git (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.2, OpenGL: 4.5 Mesa 18.3.0-devel (git-bfb2b90246) (LLVM 8.0.0), OpenCL: OpenCL 1.1 Mesa 18.3.0-devel (git-bfb2b90246), Compiler: GCC 8.2.1 20180831 + Clang 8.0.0 (SVN 344828) + LLVM 8.0.0svn, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: amdgpu.si_support=1
Environment Notes: MESA_NO_ERROR=1 R600_DEBUG=nir sisched
Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR
Security Notes: __user pointer sanitization + Full generic retpoline IBPB IBRS_FW + SSB disabled via prctl and seccomp + PTE Inversion Protection

nir,sisched,noerror / Mesa 21-11

Processor: Intel Core i7-4770K @ 4.50GHz (4 Cores / 8 Threads), Motherboard: ASUS MAXIMUS VI IMPACT (1603 BIOS), Chipset: Intel 4th Gen Core DRAM, Memory: 16384MB, Disk: 2 x 128GB Samsung SSD 840 + 640GB Seagate ST3640323AS + 1000GB 28AS, Graphics: MSI AMD Radeon HD 7900 3072MB, Audio: Realtek ALC1150, Monitor: ASUS VG23A, Network: Qualcomm Atheros AR93xx Wireless

OS: Antergos rolling, Kernel: 4.20.0-2-amd-staging-drm-next-git (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.3, OpenGL: 4.5 Mesa 19.0.0-devel (git-61b535437e) (LLVM 8.0.0), OpenCL: OpenCL 1.1 Mesa 19.0.0-devel (git-61b535437e), Compiler: GCC 8.2.1 20180831 + Clang 8.0.0 (SVN 346649) + LLVM 8.0.0svn, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: amdgpu.si_support=1
Environment Notes: MESA_NO_ERROR=1 R600_DEBUG=nir sisched
Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR
Security Notes: __user pointer sanitization + Full generic retpoline IBPB IBRS_FW STIBP RSB filling + SSB disabled via prctl and seccomp + PTE Inversion Protection

nir,sisched,noerror / Mesa 21-11 amd-staging 4.11

nir,sisched,noerror / Mesa 21-11 amd-staging 4.11 try 2

Processor: Intel Core i7-4770K @ 4.50GHz (4 Cores / 8 Threads), Motherboard: ASUS MAXIMUS VI IMPACT (1603 BIOS), Chipset: Intel 4th Gen Core DRAM, Memory: 16384MB, Disk: 2 x 128GB Samsung SSD 840 + 640GB Seagate ST3640323AS + 1000GB 28AS, Graphics: MSI AMD Radeon HD 7900 3072MB, Audio: Realtek ALC1150, Monitor: ASUS VG23A, Network: Qualcomm Atheros AR93xx Wireless

OS: Antergos rolling, Kernel: 4.11.0-1-amd-staging (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.3, OpenGL: 4.5 Mesa 19.0.0-devel (git-61b535437e) (LLVM 8.0.0), OpenCL: OpenCL 1.1 Mesa 19.0.0-devel (git-61b535437e), Compiler: GCC 8.2.1 20180831 + Clang 8.0.0 (SVN 346649) + LLVM 8.0.0svn, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: amdgpu.si_support=1 radeon.si_support=0
Environment Notes: MESA_NO_ERROR=1 R600_DEBUG=nir sisched
Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR

nir,sisched,noerror / Mesa 20-01 amd-staging 4.20

Processor: Intel Core i7-4770K @ 4.50GHz (4 Cores / 8 Threads), Motherboard: ASUS MAXIMUS VI IMPACT (1603 BIOS), Chipset: Intel 4th Gen Core DRAM, Memory: 16384MB, Disk: 2 x 128GB Samsung SSD 840 + 4001GB

TOSHIBA HDWE140, Graphics: MSI AMD Radeon HD 7900 3GB, Audio: Realtek ALC1150, Monitor: ASUS VG23A, Network: Qualcomm Atheros AR93xx Wireless

OS: Antergos rolling, Kernel: 4.20.0-2-amd-staging-drm-next-git (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.3, OpenGL: 4.5 Mesa 19.0.0-devel (git-acdad24585) (LLVM 8.0.0), OpenCL: OpenCL 1.1 Mesa 19.0.0-devel (git-acdad24585), Vulkan: 1.1.96, Compiler: GCC 8.2.1 20181127 + Clang 8.0.0 (SVN 351073) + LLVM 8.0.0svn, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: amdgpu.si_support=1
Environment Notes: MESA_NO_ERROR=1 R600_DEBUG=nir sisched
Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR
Security Notes: __user pointer sanitization + Full generic retpoline IBPB IBRS_FW STIBP RSB filling + SSB disabled via prctl and seccomp + PTE Inversion

nir,sisched,noerror / Mesa 27-01 amd-staging 4.20

Processor: Intel Core i7-4770K @ 4.50GHz (4 Cores / 8 Threads), Motherboard: ASUS MAXIMUS VI IMPACT (1603 BIOS), Chipset: Intel 4th Gen Core DRAM, Memory: 16384MB, Disk: 2 x 128GB Samsung SSD 840 + 4001GB TOSHIBA HDWE140, Graphics: MSI AMD Radeon HD 7900 3GB, Audio: Realtek ALC1150, Monitor: ASUS VG23A, Network: Qualcomm Atheros AR93xx Wireless

OS: Antergos rolling, Kernel: 4.20.0-2-amd-staging-drm-next-git (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.3, OpenGL: 4.5 Mesa 19.0.0-devel (git-41ddf1d150) (LLVM 8.0.0), OpenCL: OpenCL 1.1 Mesa 19.0.0-devel (git-41ddf1d150), Vulkan: 1.1.96, Compiler: GCC 8.2.1 20181127 + Clang 8.0.0 (SVN 351073) + LLVM 8.0.0svn, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: amdgpu.si_support=1
Environment Notes: MESA_NO_ERROR=1 R600_DEBUG=nir sisched
Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR
Security Notes: __user pointer sanitization + Full generic retpoline IBPB IBRS_FW STIBP RSB filling + SSB disabled via prctl and seccomp + PTE Inversion

nir,sisched,noerror / Mesa 10-02 amd-staging 5.0

Processor: Intel Core i7-4770K @ 4.50GHz (4 Cores / 8 Threads), Motherboard: ASUS MAXIMUS VI IMPACT (1603 BIOS), Chipset: Intel 4th Gen Core DRAM, Memory: 16384MB, Disk: 2 x 128GB Samsung SSD 840 + 4001GB TOSHIBA HDWE140, Graphics: MSI AMD Radeon HD 7970/8970 OEM / R9 280X 3GB, Audio: Realtek ALC1150, Monitor: ASUS VG23A, Network: Qualcomm Atheros AR93xx

OS: Antergos rolling, Kernel: 5.0.0-2-amd-staging-drm-next-git (x86_64), Desktop: Deepin Desktop Environment, Display Server: X Server 1.20.3, OpenGL: 4.5 Mesa 19.1.0-devel (git-55e00a2ea8) (LLVM 8.0.0), OpenCL: OpenCL 1.1 Mesa 19.1.0-devel (git-55e00a2ea8), Vulkan: 1.1.90, Compiler: GCC 8.2.1 20181127 + Clang 8.0.0 (SVN 351073) + LLVM 8.0.0svn, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: amdgpu.si_support=1 amdgpu.ppfeaturemask=0xfffd7fff
Environment Notes: MESA_NO_ERROR=1 R600_DEBUG=nir sisched
Processor Notes: Scaling Governor: intel_pstate performance
Graphics Notes: GLAMOR
Security Notes: __user pointer sanitization + Full generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling + SSB disabled via prctl and seccomp + PTE Inversion

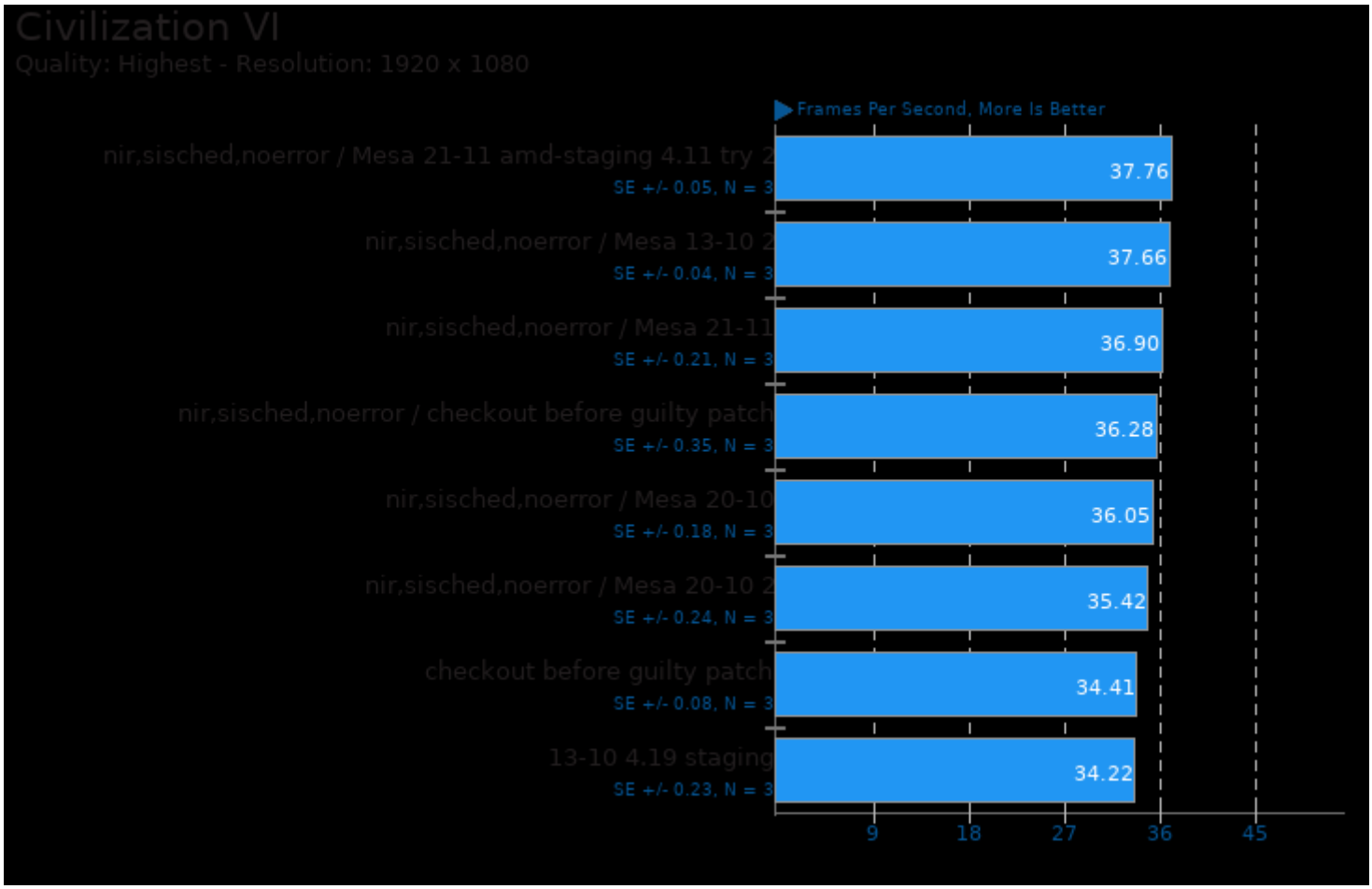
Mesa_Performance

	13-10 4.19 staging	checkout before guilty patch	nir,sis ched,noerror / checkout before guilty patch	nir,sis ched,noerror / Mesa 13-10	nir,sis ched,noerror / Mesa 13-10 2	nir,sis ched,noerror / Mesa 20-10	nir,sis ched,noerror / Mesa 20-10 2	nir,sis ched,noerror / Mesa 21-11	nir,sis ched,noerror / Mesa 21-11 amd-staging 4.11	nir,sis ched,noerror / Mesa 21-11 amd-staging 4.11 try 2	nir,sis ched,noerror / Mesa 20-01 amd-staging 4.20	nir,sis ched,noerror / Mesa 27-01 amd-staging 4.20	nir,sis ched,noerror / Mesa 10-02 amd-staging 5.0
Civilization VI - Highest - 1920 x 1080 (FPS)	**34.22**	34.41	36.28		37.66	36.05	35.42	36.90		**37.76**			
Normalized	90.63%	91.13%	96.08%		99.74%	95.47%	93.8%	97.72%		100%			
Standard Deviation	1.2%	0.4%	1.7%		0.2%	0.9%	1.2%	1%		0.2%			
DiRT Rally - 1920 x 1080 - Ultra (FPS)	105	**104**	**108**		107	106	105	107		107	105	107	105
Normalized	97.22%	96.3%	100%		99.07%	98.15%	97.22%	99.07%		99.07%	97.22%	99.07%	97.22%
Standard Deviation	0.2%	0.4%	0.1%		0.3%	1%	0.2%	0.3%		1.2%	0.7%	0.4%	0.6%
DiRT Showdown - 1920 x 1080 - Ultra - 8x MSAA	17.57	17.57	**17.72**		**17.72**	17.56	17.56	**17.40**		17.42	17.51	17.49	17.49
Normalized	99.15%	99.15%	100%		100%	99.1%	99.1%	98.19%		98.31%	98.81%	98.7%	98.7%
Standard Deviation	0.1%	0.1%	0.1%		0.1%	0.2%	0.1%	0.1%		0.1%	0.1%	0.1%	0%
Dota 2 - 1920 x 1080 - OpenGL (FPS)	**118**	115	**118**		117	**111**	116	114		**118**	112		112
Normalized	100%	97.46%	100%		99.15%	94.07%	98.31%	96.61%		100%	94.92%		94.92%
Standard Deviation	2.3%	2.6%	3.4%		4.5%	6.3%	3.6%	3.5%		2.1%	3.3%		3.3%
Dota 2 - 1920 x 1080 - Vulkan (FPS)	114	114	**115**		**115**	106	109	110		114	**104**		108
Normalized	99.13%	99.13%	100%		100%	92.17%	94.78%	95.65%		99.13%	90.43%		93.91%
Standard Deviation	4.7%	4.8%	2.1%		4.3%	8.6%	3.1%	4.4%		0.9%	6.7%		3.3%
Tesseract - 1920 x 1080	383	392	**412**		397	397	402	383		399	**378**		383
Normalized	92.96%	95.15%	100%		96.36%	96.36%	97.57%	92.96%		96.84%	91.75%		92.96%
Standard Deviation	0.9%	1.7%	0.7%		3.1%	1%	1.7%	2.3%		1.6%	2.5%		1.8%
Tomb Raider - 1920 x 1080 - Ultra (FPS)	87.37	**87.00**	91.27		**91.57**	90.43	90.10	90.87		90.80	91.53		89.37
Normalized	95.41%	95.01%	99.67%		100%	98.76%	98.39%	99.24%		99.16%	99.96%		97.6%
Standard Deviation	0.3%	0.2%	0.1%		0.4%	0.8%	1.4%	0.2%		0.7%	0.2%		0.1%

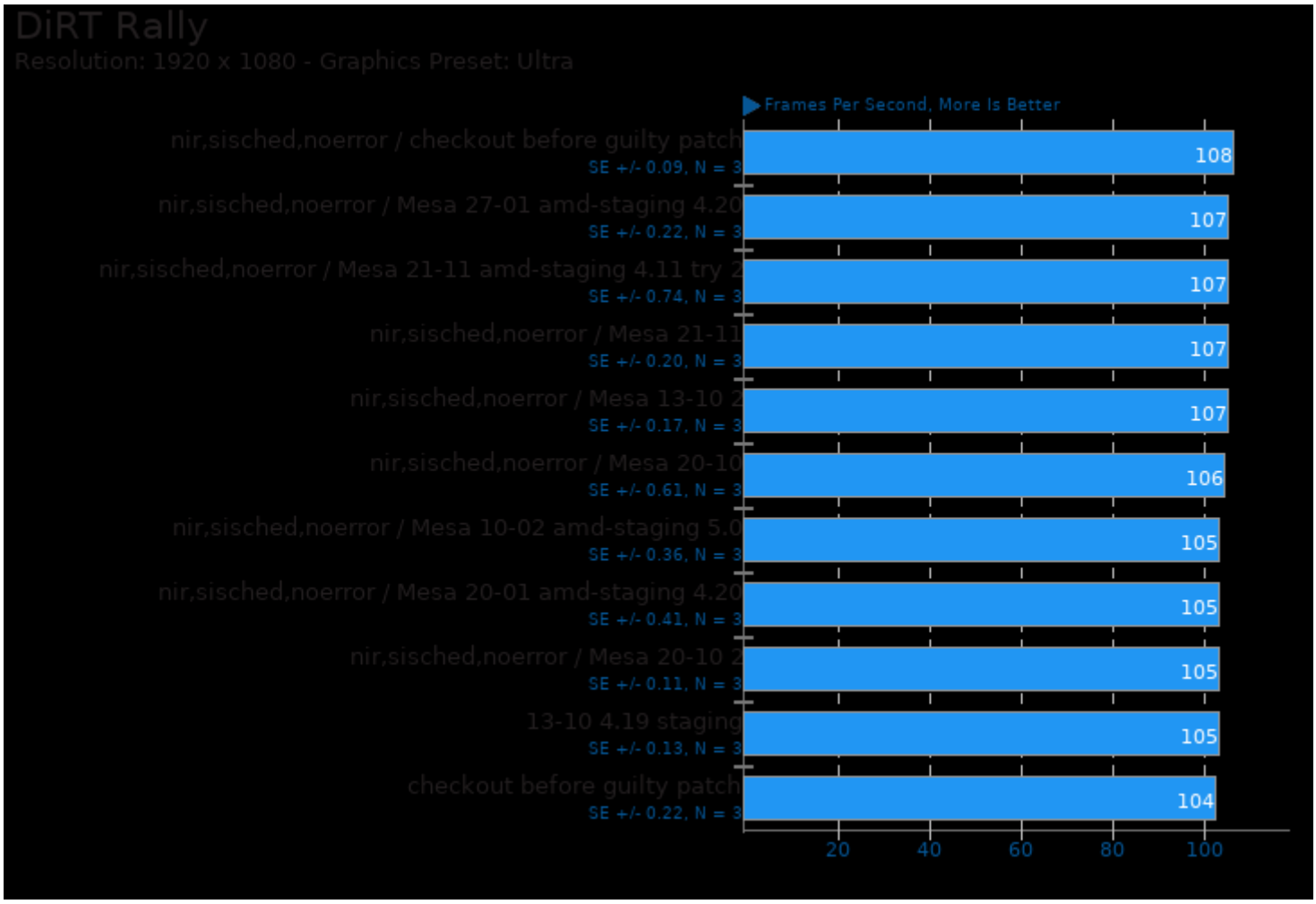
Mesa_Performance

Unigine Heaven - 1920 x 1080 - Fullscreen - OpenGL (FPS)	55.53	**55.39**	60.74	60.84	60.99	61.03	60.87	61.33	61.73	**61.86**
Normalized	89.77%	89.54%	98.19%	98.35%	98.59%	98.66%	98.4%	99.14%	99.79%	100%
Standard Deviation	0.1%	0.3%	0.1%	0.3%	0.1%	0.1%	0.2%	0.1%	0.4%	0.2%
Unigine Superposition - 1920 x 1080 - Fullscreen - High - OpenGL	28.30	**28.27**	29.33	29.23	29.27	29.30	29.40	29.37	**29.67**	29.57
Normalized	95.38%	95.28%	98.85%	98.52%	98.65%	98.75%	99.09%	98.99%	100%	99.66%
Standard Deviation	0.4%	0.5%	0.2%	0.2%	0.2%	0%	0%	0.2%	0.2%	0.2%
Unigine Valley - 1920 x 1080 - Fullscreen - OpenGL (FPS)	65.47	**65.43**	66.68	66.63	66.80	66.90	66.72	67.19	67.67	**67.72**
Normalized	96.68%	96.62%	98.46%	98.39%	98.64%	98.79%	98.52%	99.22%	99.93%	100%
Standard Deviation	0%	0.1%	0.1%	0.2%	0.2%	0.1%	0.2%	0%	0%	0.1%

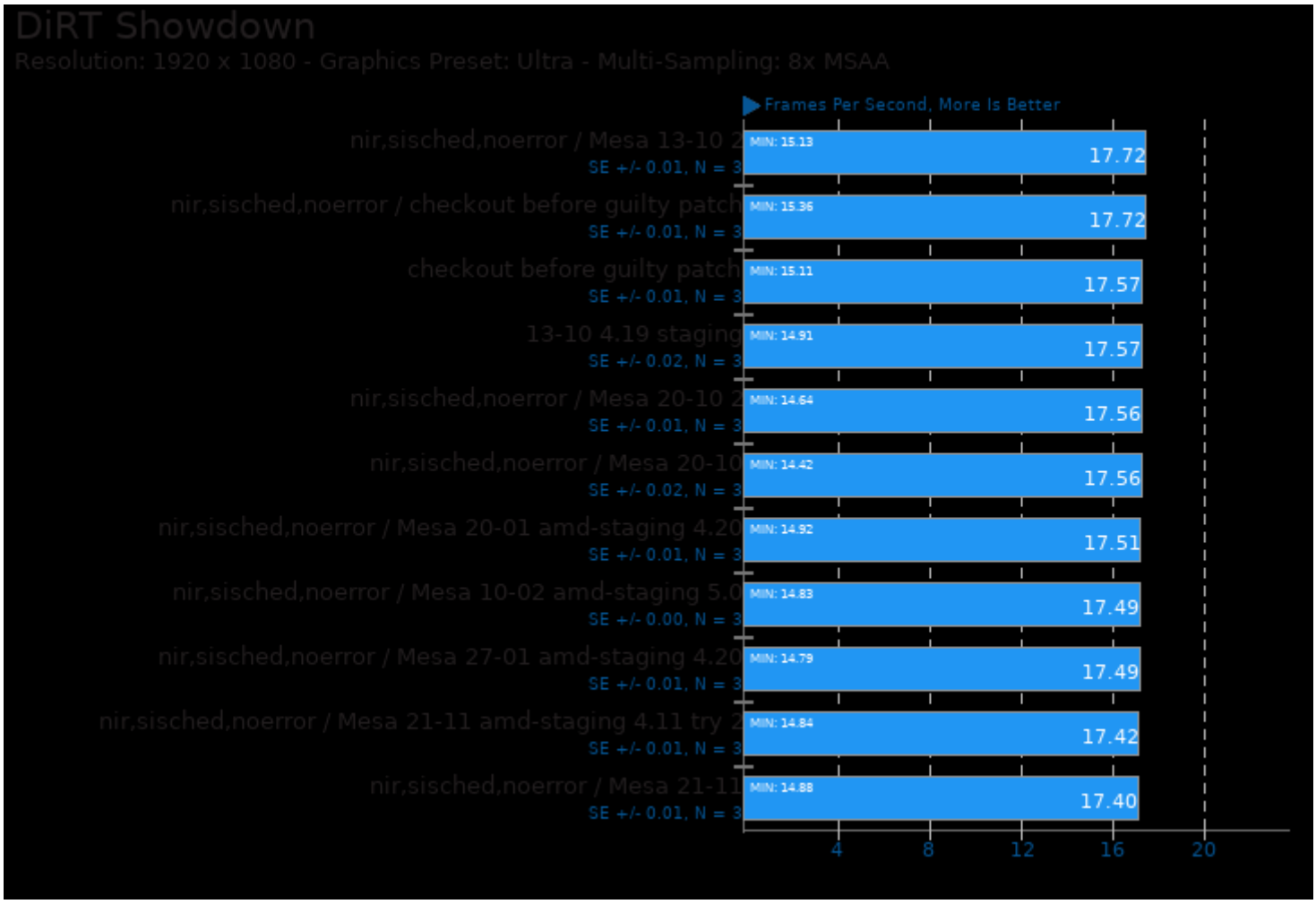
Mesa_Performance

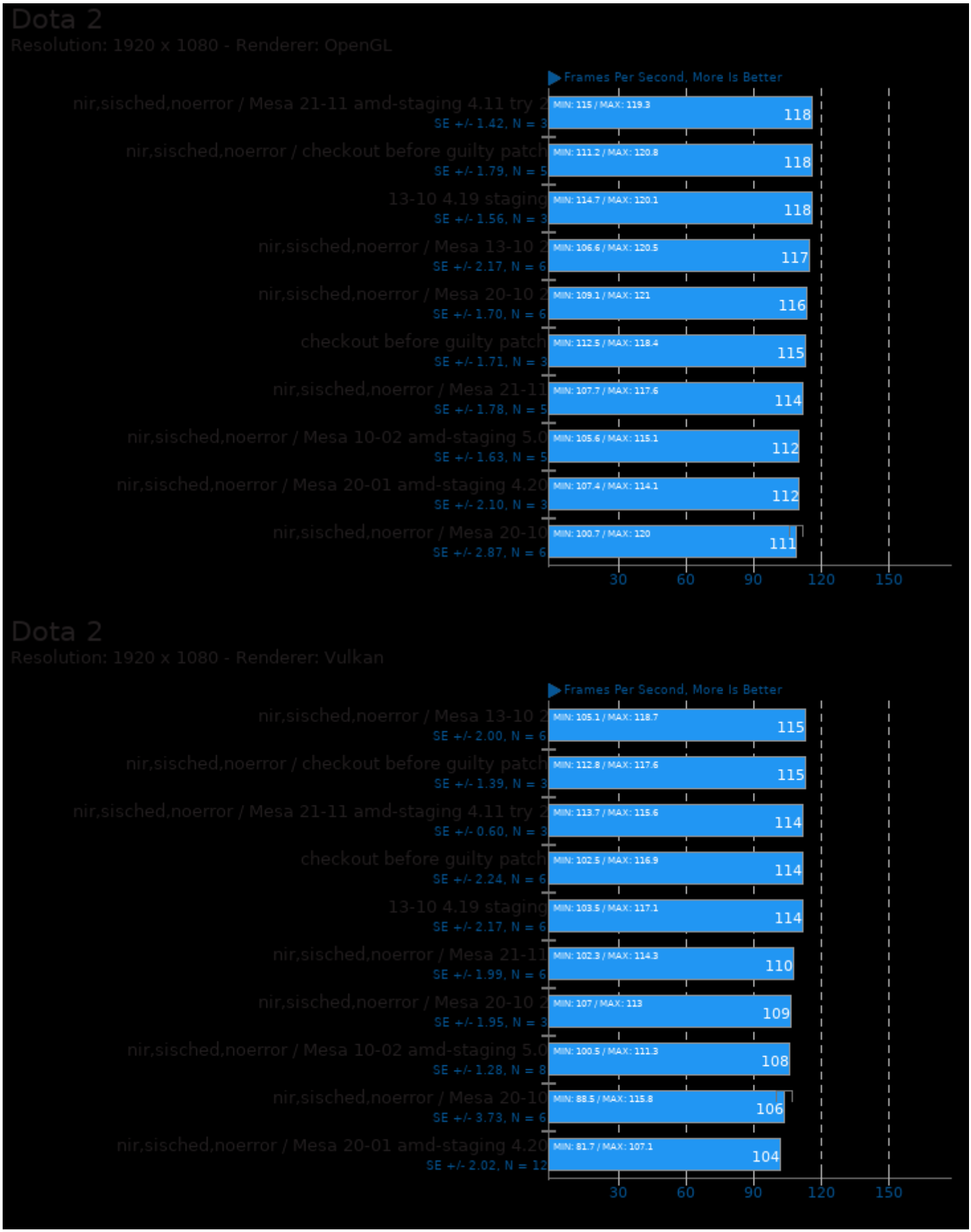


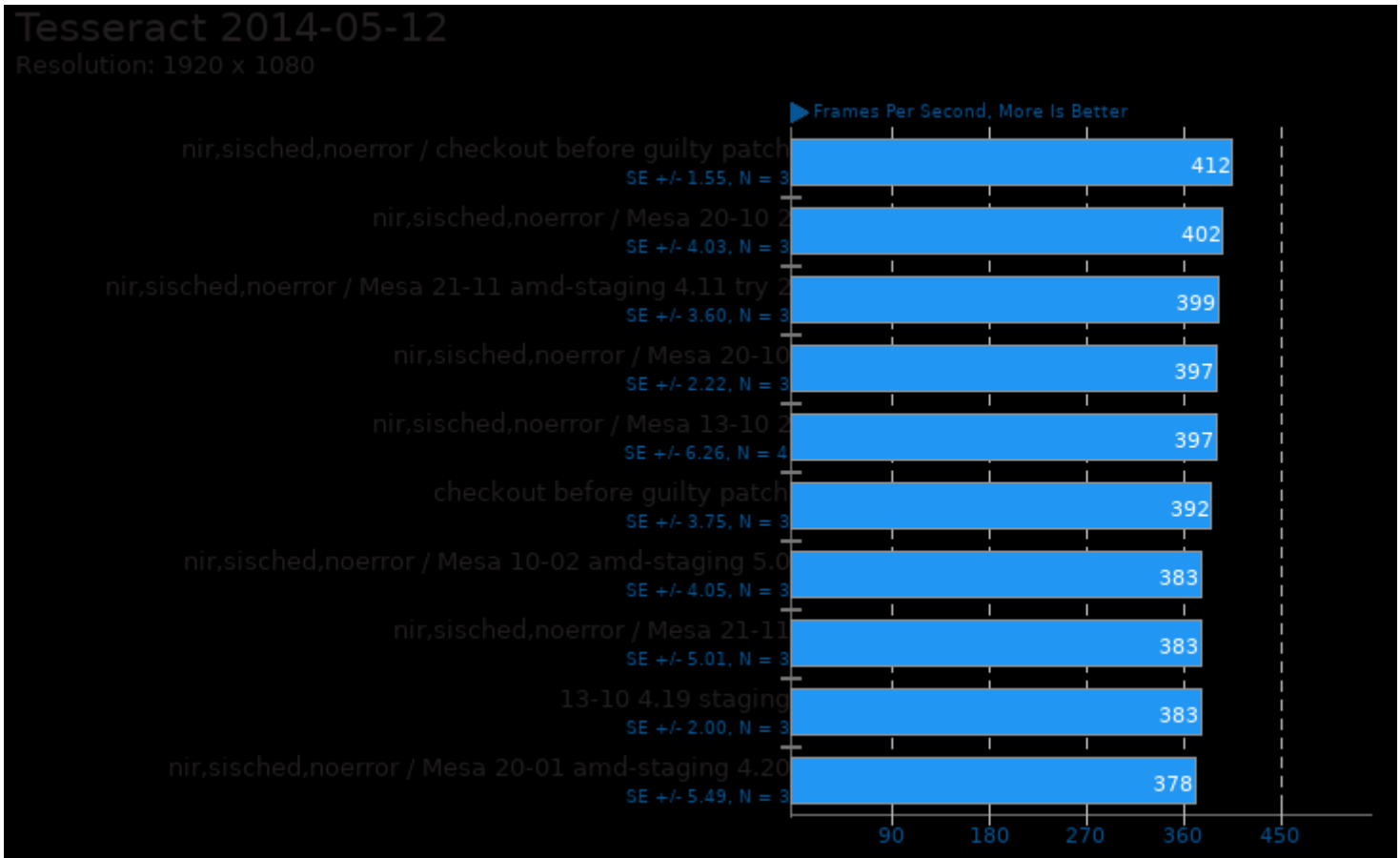
Mesa_Performance

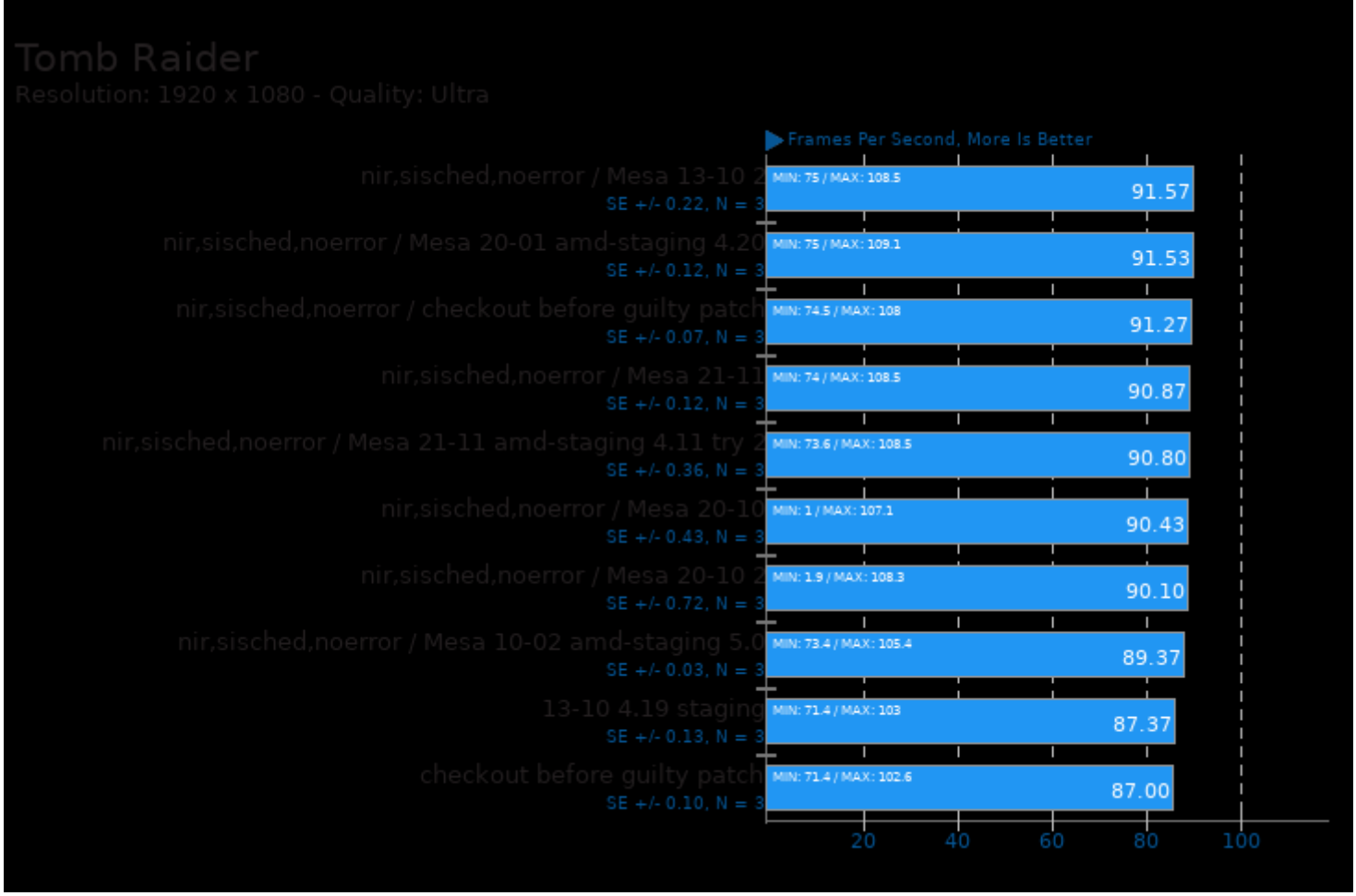


Mesa_Performance




Dota 2
Resolution: 1920 x 1080 - Renderer: OpenGL
Frames Per Second, More Is Better
nir,sisched,noerror / Mesa 21-11 amd-staging 4.11 try 2
SE +/- 1.42, N = 3
MIN: 115 / MAX: 119.3
118
nir,sisched,noerror / checkout before guilty patch
SE +/- 1.79, N = 5
MIN: 111.2 / MAX: 120.8
118
13-10 4.19 staging
SE +/- 1.56, N = 3
MIN: 114.7 / MAX: 120.1
118
nir,sisched,noerror / Mesa 13-10 2
SE +/- 2.17, N = 6
MIN: 106.6 / MAX: 120.5
117
nir,sisched,noerror / Mesa 20-10 2
SE +/- 1.70, N = 6
MIN: 109.1 / MAX: 121
116
checkout before guilty patch
SE +/- 1.71, N = 3
MIN: 112.5 / MAX: 118.4
115
nir,sisched,noerror / Mesa 21-11
SE +/- 1.78, N = 5
MIN: 107.7 / MAX: 117.6
114
nir,sisched,noerror / Mesa 10-02 amd-staging 5.0
SE +/- 1.63, N = 5
MIN: 105.6 / MAX: 115.1
112
nir,sisched,noerror / Mesa 20-01 amd-staging 4.20
SE +/- 2.10, N = 3
MIN: 107.4 / MAX: 114.1
112
nir,sisched,noerror / Mesa 20-10
SE +/- 2.87, N = 6
MIN: 100.7 / MAX: 120
111
30
60
90
120
150
Dota 2
Resolution: 1920 x 1080 - Renderer: Vulkan
Frames Per Second, More Is Better
nir,sisched,noerror / Mesa 13-10 2
SE +/- 2.00, N = 6
MIN: 105.1 / MAX: 118.7
115
nir,sisched,noerror / checkout before guilty patch
SE +/- 1.39, N = 3
MIN: 112.8 / MAX: 117.6
115
nir,sisched,noerror / Mesa 21-11 amd-staging 4.11 try 2
SE +/- 0.60, N = 3
MIN: 113.7 / MAX: 115.6
114
checkout before guilty patch
SE +/- 2.24, N = 6
MIN: 102.5 / MAX: 116.9
114
13-10 4.19 staging
SE +/- 2.17, N = 6
MIN: 103.5 / MAX: 117.1
114
nir,sisched,noerror / Mesa 21-11
SE +/- 1.99, N = 6
MIN: 102.3 / MAX: 114.3
110
nir,sisched,noerror / Mesa 20-10 2
SE +/- 1.95, N = 3
MIN: 107 / MAX: 113
109
nir,sisched,noerror / Mesa 10-02 amd-staging 5.0
SE +/- 1.28, N = 8
MIN: 100.5 / MAX: 111.3
108
nir,sisched,noerror / Mesa 20-10
SE +/- 3.73, N = 6
MIN: 88.5 / MAX: 115.8
106
nir,sisched,noerror / Mesa 20-01 amd-staging 4.20
SE +/- 2.02, N = 12
MIN: 81.7 / MAX: 107.1
104
30
60
90
120
150

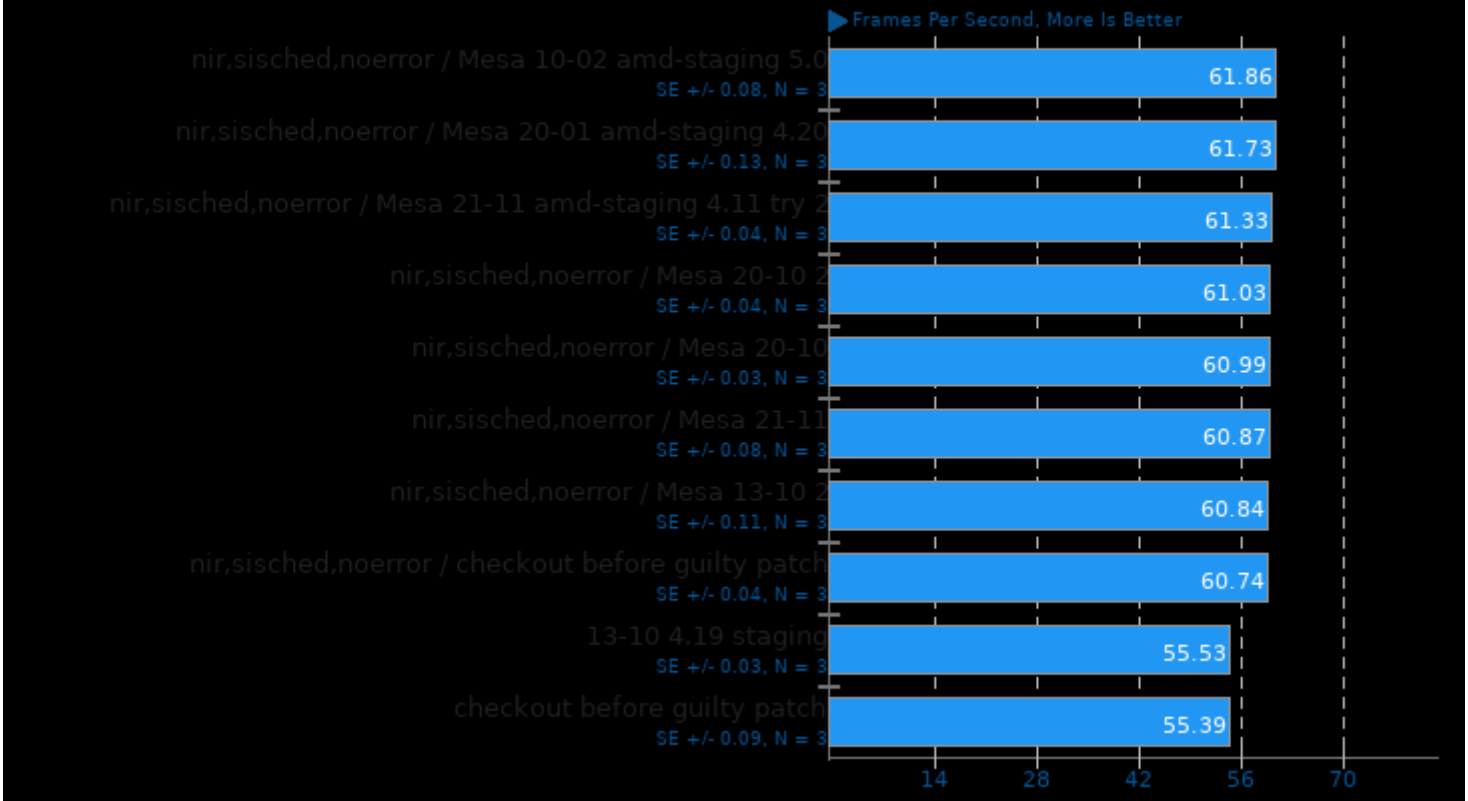

Tesseract 2014-05-12
Resolution: 1920 x 1080
Frames Per Second, More Is Better
nir,sisched,noerror / checkout before guilty patch
SE +/- 1.55, N = 3
412
nir,sisched,noerror / Mesa 20-10 2
SE +/- 4.03, N = 3
402
nir,sisched,noerror / Mesa 21-11 amd-staging 4.11 try 2
SE +/- 3.60, N = 3
399
nir,sisched,noerror / Mesa 20-10
SE +/- 2.22, N = 3
397
nir,sisched,noerror / Mesa 13-10 2
SE +/- 6.26, N = 4
397
checkout before guilty patch
SE +/- 3.75, N = 3
392
nir,sisched,noerror / Mesa 10-02 amd-staging 5.0
SE +/- 4.05, N = 3
383
nir,sisched,noerror / Mesa 21-11
SE +/- 5.01, N = 3
383
13-10 4.19 staging
SE +/- 2.00, N = 3
383
nir,sisched,noerror / Mesa 20-01 amd-staging 4.20
SE +/- 5.49, N = 3
378
90
180
270
360
450


Tomb Raider
Resolution: 1920 x 1080 - Quality: Ultra
Frames Per Second, More Is Better
nir,sisched,noerror / Mesa 13-10 2
SE +/- 0.22, N = 3
MIN: 75 / MAX: 108.5
91.57
nir,sisched,noerror / Mesa 20-01 amd-staging 4.20
SE +/- 0.12, N = 3
MIN: 75 / MAX: 109.1
91.53
nir,sisched,noerror / checkout before guilty patch
SE +/- 0.07, N = 3
MIN: 74.5 / MAX: 108
91.27
nir,sisched,noerror / Mesa 21-11
SE +/- 0.12, N = 3
MIN: 74 / MAX: 108.5
90.87
nir,sisched,noerror / Mesa 21-11 amd-staging 4.11 try 2
SE +/- 0.36, N = 3
MIN: 73.6 / MAX: 108.5
90.80
nir,sisched,noerror / Mesa 20-10
SE +/- 0.43, N = 3
MIN: 1 / MAX: 107.1
90.43
nir,sisched,noerror / Mesa 20-10 2
SE +/- 0.72, N = 3
MIN: 1.9 / MAX: 108.3
90.10
nir,sisched,noerror / Mesa 10-02 amd-staging 5.0
SE +/- 0.03, N = 3
MIN: 73.4 / MAX: 105.4
89.37
13-10 4.19 staging
SE +/- 0.13, N = 3
MIN: 71.4 / MAX: 103
87.37
checkout before guilty patch
SE +/- 0.10, N = 3
MIN: 71.4 / MAX: 102.6
87.00
20
40
60
80
100

Mesa_Performance

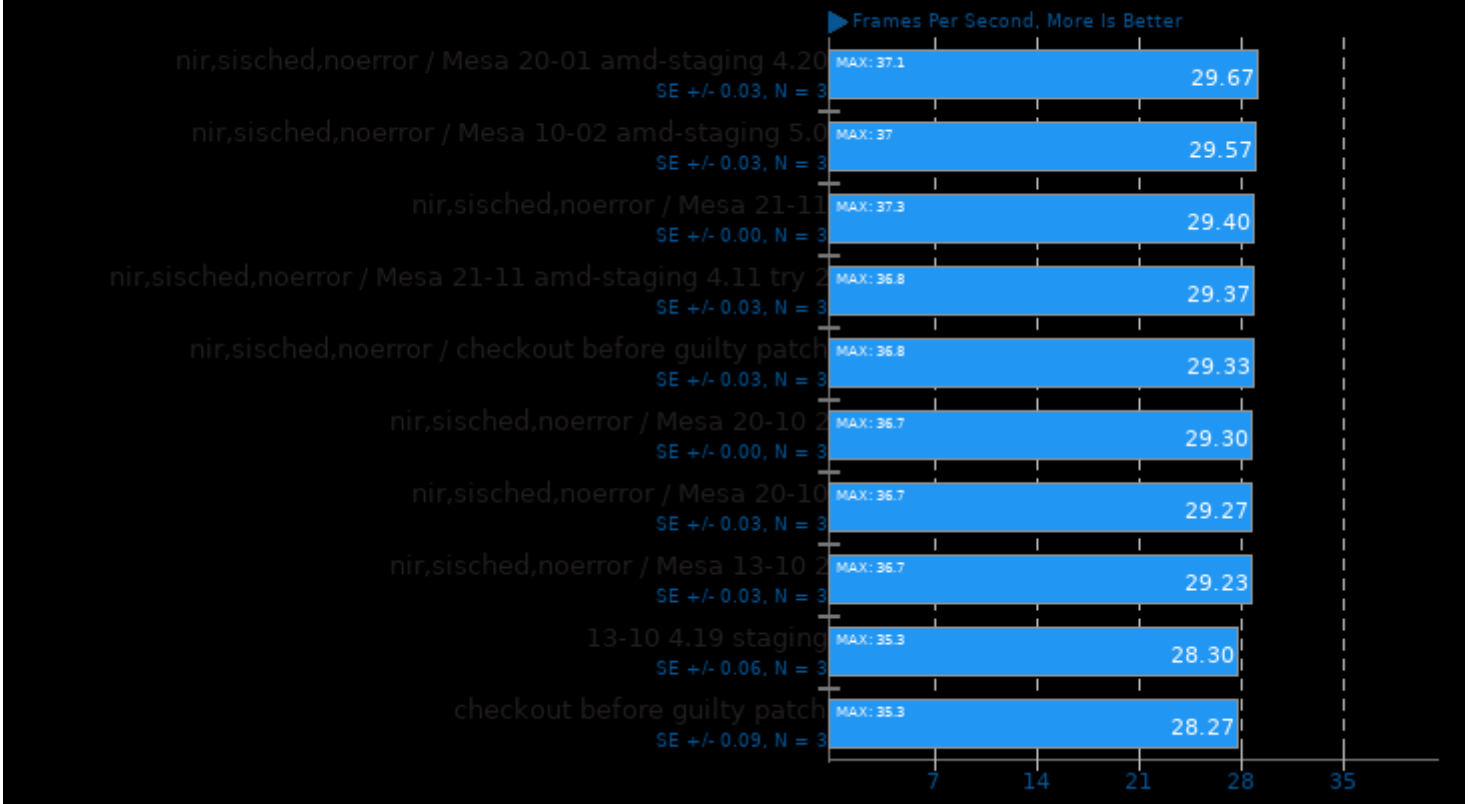
Unigine Heaven 4.0

Resolution: 1920 x 1080 - Mode: Fullscreen - Renderer: OpenGL

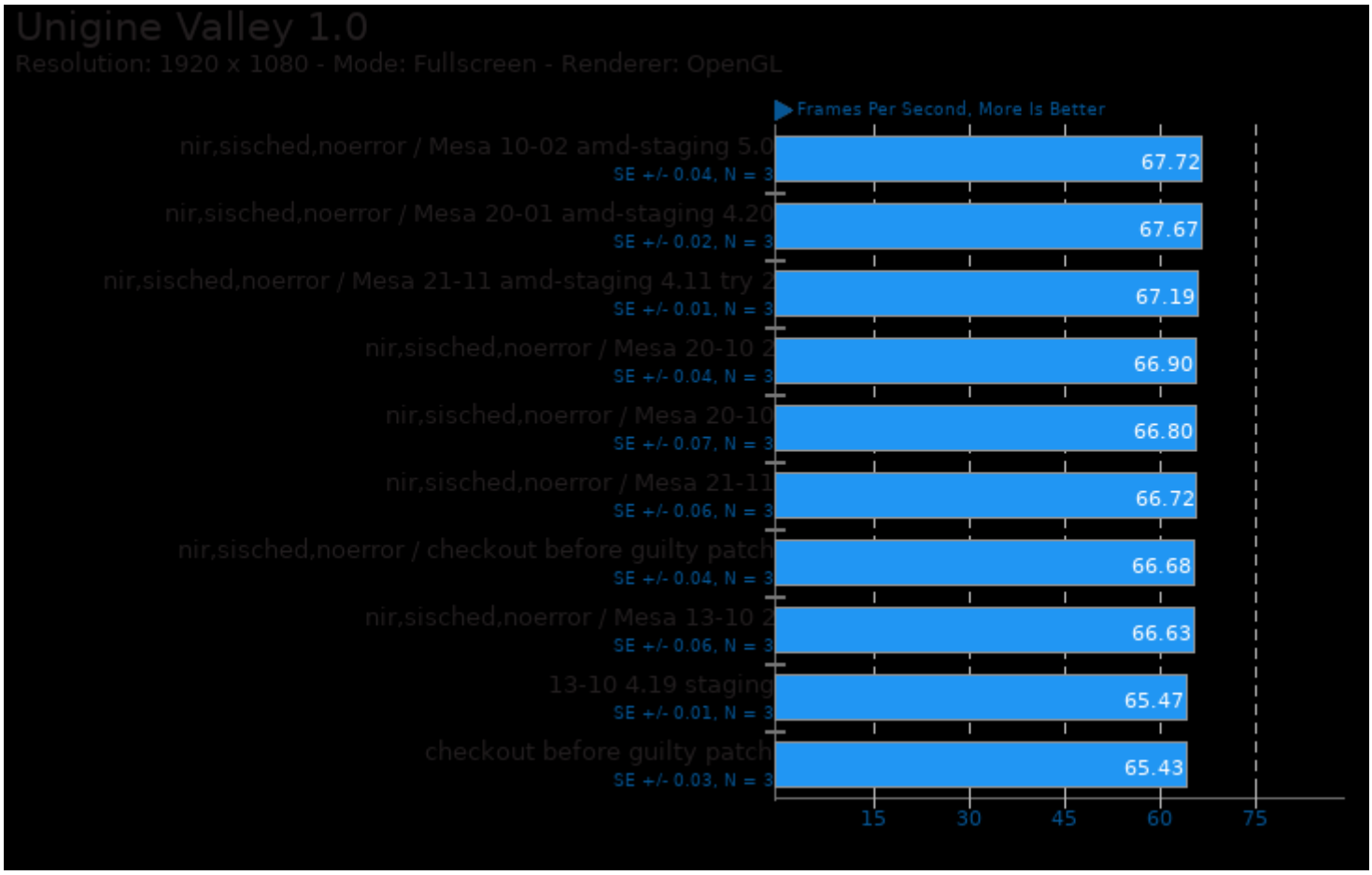


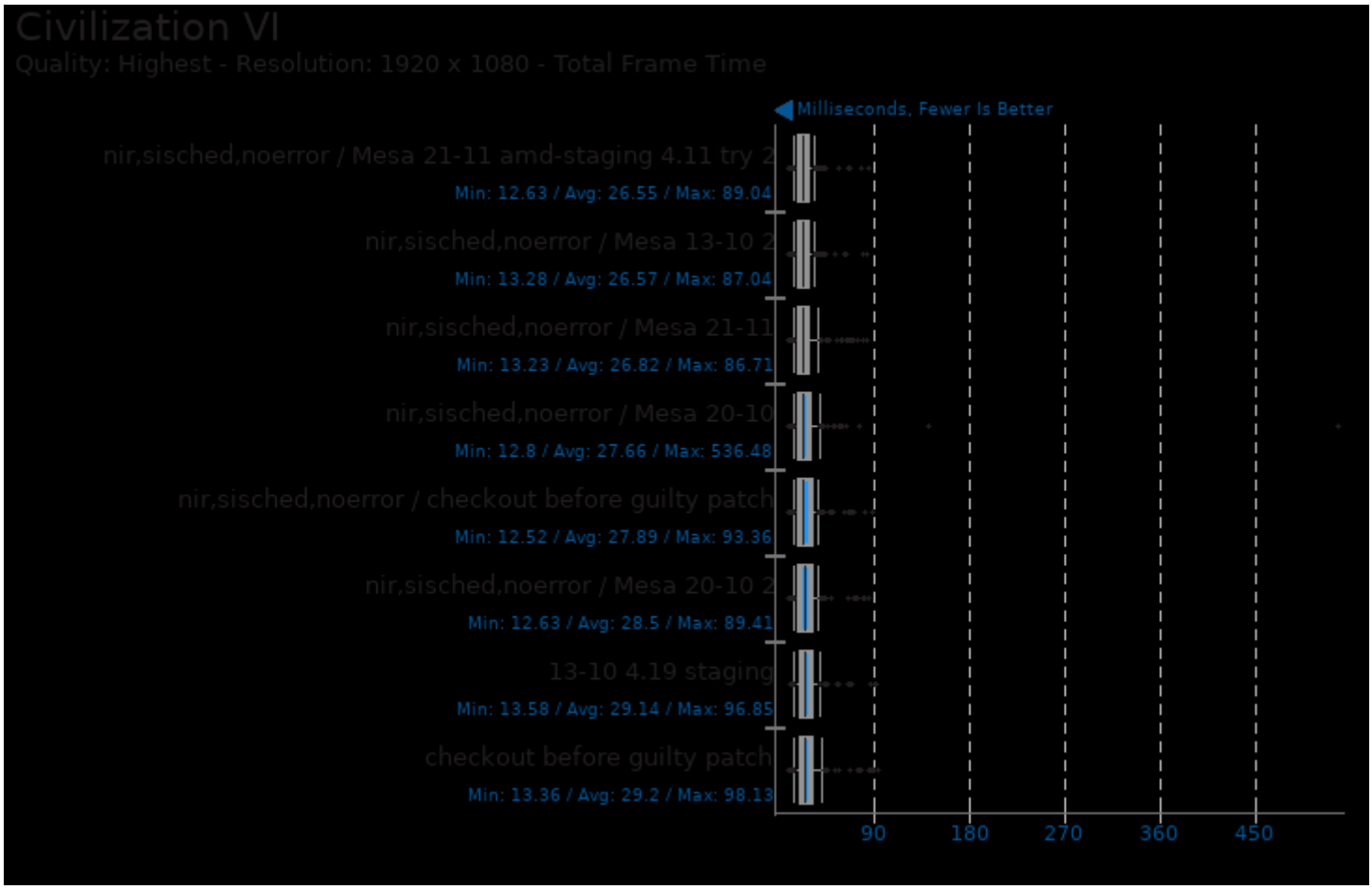
Unigine Superposition 1.0

Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: High - Renderer: OpenGL



Mesa_Performance





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