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Raptor New Tests

Intel Core i5-13600K testing with a ASUS PRIME Z790-P WIFI (0602 BIOS) and AMD Radeon RX 6800 XT 16GB on Ubuntu 22.04 via the Phoronix Test Suite.

Automated Executive Summary

i9-13900K had the most wins, coming in first place for 84% of the tests.

Based on the geometric mean of all complete results, the fastest (i9-13900K) was 1.327x the speed of the slowest (1). 2 was 0.754x the speed of i9-13900K and 1 was 0.999x the speed of 2.

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

Cpuminer-Opt (Algorithm: Triple SHA-256, Onecoin) at 1.89x
QuadRay (Scene: 5 - Resolution: 4K) at 1.809x
Cpuminer-Opt (Algorithm: Quad SHA-256, Pyrite) at 1.806x
QuadRay (Scene: 2 - Resolution: 4K) at 1.773x
QuadRay (Scene: 3 - Resolution: 4K) at 1.75x
QuadRay (Scene: 5 - Resolution: 1080p) at 1.75x
Facebook RocksDB (Test: Random Read) at 1.745x
QuadRay (Scene: 3 - Resolution: 1080p) at 1.742x
QuadRay (Scene: 1 - Resolution: 4K) at 1.737x

Cpuminer-Opt (Algorithm: Magi) at 1.733x.

Test Systems:

i9-13900K

Processor: Intel Core i9-13900K @ 4.00GHz (24 Cores / 32 Threads), Motherboard: ASUS PRIME Z790-P WIFI (0602 BIOS), Chipset: Intel Device 7a27, Memory: 32GB, Disk: 2000GB Samsung SSD 980 PRO 2TB + 2000GB, Graphics: AMD Radeon RX 6800 XT 16GB (2575/1000MHz), Audio: Realtek ALC897, Monitor: ASUS VP28U, Network: Realtek RTL8125 2.5GbE + Intel Device 7a70

OS: Ubuntu 22.04, Kernel: 6.0.0-060000rc1daily20220820-generic (x86_64), Desktop: GNOME Shell 42.2, Display Server: X Server 1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.3.0-devel (git-4685385 2022-08-23 jammy-oibaf-ppa) (LLVM 14.0.6 DRM 3.48), Vulkan: 1.3.224, Compiler: GCC 12.0.1 20220319, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-defaulted --enable-offload-targets=nvptx-none=/build/gcc-12-OcsLtf/gcc-12-12-20220319/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-12-OcsLtf/gcc-12-12-20220319/debian/tmp-gcn/usr --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate powersave (EPP: balance_performance) - CPU Microcode: 0x10e
Python Notes: Python 3.10.4
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: 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 PBRSB-eIBRS: SW sequence + srbds: Not affected + tsx_async_abort: Not affected

1

2

Processor: Intel Core i5-13600K @ 3.80GHz (14 Cores / 20 Threads), Motherboard: ASUS PRIME Z790-P WIFI (0602 BIOS), Chipset: Intel Device 7a27, Memory: 32GB, Disk: 2000GB Samsung SSD 980 PRO 2TB + 2000GB, Graphics: AMD Radeon RX 6800 XT 16GB (2575/1000MHz), Audio: Realtek ALC897, Monitor: ASUS VP28U, Network: Realtek RTL8125 2.5GbE + Intel Device 7a70

OS: Ubuntu 22.04, Kernel: 6.0.0-060000rc1daily20220820-generic (x86_64), Desktop: GNOME Shell 42.2, Display Server: X Server 1.21.1.3 + Wayland, OpenGL: 4.6 Mesa 22.3.0-devel (git-4685385 2022-08-23 jammy-oibaf-ppa) (LLVM 14.0.6 DRM 3.48), Vulkan: 1.3.224, Compiler: GCC 12.0.1 20220319, File-System: ext4, Screen Resolution: 3840x2160

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-defaulted --enable-offload-targets=nvptx-none=/build/gcc-12-OcsLtf/gcc-12-12-20220319/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-12-OcsLtf/gcc-12-12-20220319/debian/tmp-gcn/usr --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: intel_pstate performance (EPP: performance) - CPU Microcode: 0x10e
Python Notes: Python 3.10.4
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: Not affected +

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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 PBRSB-eIBRS: SW sequence + srbds: Not affected + tsx_async_abort: Not affected

	i9-13900K	1	2
OpenFOAM - motorBike - Mesh Time (sec)	**24.9298**	**27.2224**	27.0333
Normalized	100%	91.58%	92.22%
OpenFOAM - motorBike - Execution Time	**60.8887**	66.5703	**66.9148**
Normalized	100%	91.47%	90.99%
OpenFOAM - d.S.M.S - Mesh Time (sec)	**26.815401**	33.652291	**33.754873**
Normalized	100%	79.68%	79.44%
OpenFOAM - d.S.M.S - Execution Time (sec)	**148.02867**	222.54252	**223.4123**
Normalized	100%	66.52%	66.26%
OpenFOAM - d.M.M.S - Mesh Time (sec)	**180.68025**	232.62196	**240.40118**
Normalized	100%	77.67%	75.16%
OpenFOAM - d.M.M.S - Execution Time (sec)	**1731**	2124	**2155**
Normalized	100%	81.49%	80.3%
OpenRadioss - Bumper Beam (sec)	**108.54**	**154.98**	153.01
Normalized	100%	70.03%	70.94%
OpenRadioss - C.P.D.T (sec)	**64.01**	103.45	**104.76**
Normalized	100%	61.88%	61.1%
OpenRadioss - B.S.o.W (sec)	**173.62**	**257.53**	252.62
Normalized	100%	67.42%	68.73%
OpenRadioss - R.O.R.S.I (sec)	**102.59**	**171.09**	171.03
Normalized	100%	59.96%	59.98%
OpenRadioss - I.a.F.S.I.D.C (sec)	**294.95**	**488.94**	484.35
Normalized	100%	60.32%	60.9%
Xmrig - Monero - 1M (H/s)	**9571**	7592	**7363**
Normalized	100%	79.32%	76.93%
Xmrig - Wownero - 1M (H/s)	**17299**	11029	**10993**
Normalized	100%	63.75%	63.55%
JPEG XL libjxl - PNG - 80 (MP/s)	**13.53**	11.88	**11.85**
Normalized	100%	87.8%	87.58%
JPEG XL libjxl - PNG - 90 (MP/s)	**13.31**	**11.68**	11.69
Normalized	100%	87.75%	87.83%
JPEG XL libjxl - JPEG - 80 (MP/s)	**13.17**	11.57	**11.55**
Normalized	100%	87.85%	87.7%
JPEG XL libjxl - JPEG - 90 (MP/s)	**13**	**11.37**	11.38
Normalized	100%	87.46%	87.54%
JPEG XL libjxl - PNG - 100 (MP/s)	**1.07**	0.97	**0.96**
Normalized	100%	90.65%	89.72%
JPEG XL libjxl - JPEG - 100 (MP/s)	**1.04**	**0.95**	**0.95**
Normalized	100%	91.35%	91.35%
JPEG XL Decoding libjxl - 1 (MP/s)	**70.15**	65.85	**65.57**
Normalized	100%	93.87%	93.47%
JPEG XL Decoding libjxl - All (MP/s)	**497.77**	348.52	**346.72**
Normalized	100%	70.02%	69.65%
WebP Image Encode - Default (MP/s)	**25.37**	**22.79**	**22.79**
Normalized	100%	89.83%	89.83%
WebP Image Encode - Quality 100 (MP/s)	**15.93**	14.80	**14.79**
Normalized	100%	92.91%	92.84%

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WebP Image Encode - Q.1.L (MP/s)	**2.34**	2.12	**2.11**
Normalized	100%	90.6%	90.17%
WebP Image Encode - Q.1.H.C (MP/s)	**4.91**	**4.48**	4.49
Normalized	100%	91.24%	91.45%
WebP Image Encode - Q.1.L.H.C (MP/s)	**0.93**	0.84	**0.83**
Normalized	100%	90.32%	89.25%
WebP2 Image Encode - Default (MP/s)	**15.40**	**11.35**	11.45
Normalized	100%	73.7%	74.35%
WebP2 Image Encode - Q.7.C.E.7 (MP/s)	**0.37**	**0.23**	**0.23**
Normalized	100%	62.16%	62.16%
WebP2 Image Encode - Q.9.C.E.7 (MP/s)	**0.18**	**0.11**	**0.11**
Normalized	100%	61.11%	61.11%
WebP2 Image Encode - Q.1.C.E.5 (MP/s)	**9.98**	**6.05**	**6.05**
Normalized	100%	60.62%	60.62%
WebP2 Image Encode - Q.1.L.C (MP/s)	**0.04**	**0.03**	**0.03**
Normalized	100%	75%	75%
QuadRay - 1 - 4K (FPS)	**11.76**	**6.77**	6.79
Normalized	100%	57.57%	57.74%
QuadRay - 2 - 4K (FPS)	**3.51**	**1.98**	**1.98**
Normalized	100%	56.41%	56.41%
QuadRay - 3 - 4K (FPS)	**2.87**	**1.64**	**1.64**
Normalized	100%	57.14%	57.14%
QuadRay - 5 - 4K (FPS)	**0.85**	**0.47**	**0.47**
Normalized	100%	55.29%	55.29%
QuadRay - 1 - 1080p (FPS)	**43.7**	**26.14**	26.24
Normalized	100%	59.82%	60.05%
QuadRay - 2 - 1080p (FPS)	**13.06**	**7.65**	7.66
Normalized	100%	58.58%	58.65%
QuadRay - 3 - 1080p (FPS)	**11.13**	**6.39**	6.41
Normalized	100%	57.41%	57.59%
QuadRay - 5 - 1080p (FPS)	**3.36**	**1.92**	**1.92**
Normalized	100%	57.14%	57.14%
AOM AV1 - Speed 0 Two-Pass - Bosphorus 4K (FPS)	**0.43**	**0.3**	**0.3**
Normalized	100%	69.77%	69.77%
AOM AV1 - Speed 4 Two-Pass - Bosphorus 4K (FPS)	**12.1**	**9.34**	9.36
Normalized	100%	77.19%	77.36%
AOM AV1 - Speed 6 Realtime - Bosphorus 4K (FPS)	**45.85**	**43.63**	44
Normalized	100%	95.16%	95.97%
AOM AV1 - Speed 6 Two-Pass - Bosphorus 4K (FPS)	**21.66**	**17.64**	17.65
Normalized	100%	81.44%	81.49%
AOM AV1 - Speed 8 Realtime - Bosphorus 4K (FPS)	**65.25**	**68.15**	68.02
Normalized	95.74%	100%	99.81%
AOM AV1 - Speed 9 Realtime - Bosphorus 4K (FPS)	**86.59**	**92**	91.91
Normalized	94.12%	100%	99.9%

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AOM AV1 - Speed 10 Realtime - Bosphorus 4K (FPS)	**86.4**	**93.85**	93.73
Normalized	92.06%	100%	99.87%
AOM AV1 - Speed 0 Two-Pass - Bosphorus 1080p (FPS)	**1.27**	**0.89**	0.91
Normalized	100%	70.08%	71.65%
AOM AV1 - Speed 4 Two-Pass - Bosphorus 1080p (FPS)	**26.02**	**21.6**	21.61
Normalized	100%	83.01%	83.05%
AOM AV1 - Speed 6 Realtime - Bosphorus 1080p (FPS)	**76.45**	84.76	**99.01**
Normalized	77.21%	85.61%	100%
AOM AV1 - Speed 6 Two-Pass - Bosphorus 1080p (FPS)	**67.27**	**54.52**	54.67
Normalized	100%	81.05%	81.27%
AOM AV1 - Speed 8 Realtime - Bosphorus 1080p (FPS)	**138.43**	**158.51**	155.11
Normalized	87.33%	100%	97.86%
AOM AV1 - Speed 9 Realtime - Bosphorus 1080p (FPS)	**159.46**	**190.03**	187.65
Normalized	83.91%	100%	98.75%
AOM AV1 - Speed 10 Realtime - Bosphorus 1080p (FPS)	**162.57**	**194.5**	192.68
Normalized	83.58%	100%	99.06%
7-Zip Compression - Compression Rating (MIPS)	**186165**	**127359**	127568
Normalized	100%	68.41%	68.52%
7-Zip Compression - D.R (MIPS)	**146708**	87745	**87472**
Normalized	100%	59.81%	59.62%
libavif avifenc - 0 (sec)	**68.74**	98.911	**99.636**
Normalized	100%	69.5%	68.99%
libavif avifenc - 2 (sec)	**33.625**	47.415	**47.61**
Normalized	100%	70.92%	70.63%
libavif avifenc - 6 (sec)	**3.259**	**4.821**	4.806
Normalized	100%	67.6%	67.81%
libavif avifenc - 6, Lossless (sec)	**5.361**	7.275	**7.285**
Normalized	100%	73.69%	73.59%
libavif avifenc - 10, Lossless (sec)	**3.363**	**3.992**	3.991
Normalized	100%	84.24%	84.26%
Timed Godot Game Engine Compilation - Time To Compile (sec)	**50.015**	**75.843**	75.738
Normalized	100%	65.95%	66.04%
Timed Linux Kernel Compilation - defconfig (sec)	**40.009**	59.724	**59.798**
Normalized	100%	66.99%	66.91%
Timed Linux Kernel Compilation - allmodconfig (sec)	**429.312**	**697.843**	697.206
Normalized	100%	61.52%	61.58%
Timed Mesa Compilation - Time To Compile (sec)	**21.088**	**31.192**	30.693
Normalized	100%	67.61%	68.71%

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Timed Node.js Compilation - Time To Compile (sec)	**244.813**	377.037	**379.95**
Normalized	100%	64.93%	64.43%
Timed PHP Compilation - Time To Compile (sec)	**34.917**	44.97	**45.215**
Normalized	100%	77.65%	77.22%
Timed CPython Compilation - Default (sec)	**12.318**	14.68	**14.693**
Normalized	100%	83.91%	83.84%
Timed CPython Compilation - R.B.P.L.O	**171.581**	193.316	**193.858**
Normalized	100%	88.76%	88.51%
Y-Cruncher - 1B (sec)	**22.392**	**29.532**	29.398
Normalized	100%	75.82%	76.17%
Y-Cruncher - 500M (sec)	**10.38**	**13.823**	13.696
Normalized	100%	75.09%	75.79%
Timed Erlang/OTP Compilation - Time To Compile (sec)	**58.252**	69.901	**70.303**
Normalized	100%	83.34%	82.86%
Timed Wasmer Compilation - Time To Compile (sec)	**30.839**	**39.16**	39.103
Normalized	100%	78.75%	78.87%
FLAC Audio Encoding - WAV To FLAC (sec)	**11.376**	**12.563**	12.538
Normalized	100%	90.55%	90.73%
Cpuminer-Opt - Magi (kH/s)	**1156**	670.56	**667.22**
Normalized	100%	58%	57.71%
Cpuminer-Opt - x25x (kH/s)	**1231**	**736.46**	737.91
Normalized	100%	59.84%	59.96%
Cpuminer-Opt - scrypt (kH/s)	**354.26**	209.44	**208.88**
Normalized	100%	59.12%	58.96%
Cpuminer-Opt - Deepcoin (kH/s)	**20040**	**11850**	**11850**
Normalized	100%	59.13%	59.13%
Cpuminer-Opt - Ringcoin (kH/s)	**5771**	3414	**3403**
Normalized	100%	59.16%	58.97%
Cpuminer-Opt - Blake-2 S (kH/s)	**826580**	**493520**	516620
Normalized	100%	59.71%	62.5%
Cpuminer-Opt - Garlicoin (kH/s)	**3616**	2878	**2867**
Normalized	100%	79.59%	79.3%
Cpuminer-Opt - Skeincoin (kH/s)	**172790**	**100240**	100270
Normalized	100%	58.01%	58.03%
Cpuminer-Opt - Myriad-Groestl (kH/s)	**19660**	20820	**21150**
Normalized	92.96%	98.44%	100%
Cpuminer-Opt - LBC, LBRY Credits (kH/s)	**57990**	**33800**	**33800**
Normalized	100%	58.29%	58.29%
Cpuminer-Opt - Q.S.2.P (kH/s)	**210420**	116680	**116540**
Normalized	100%	55.45%	55.38%
Cpuminer-Opt - T.S.2.O (kH/s)	**466280**	**246670**	246680
Normalized	100%	52.9%	52.9%
TensorFlow - CPU - 16 - VGG-16	**11.15**	7.26	**7.23**
Normalized	100%	65.11%	64.84%
TensorFlow - CPU - 32 - VGG-16	**11.3**	**7.66**	**7.66**
Normalized	100%	67.79%	67.79%
TensorFlow - CPU - 64 - VGG-16	**11.56**	**8.06**	8.07
Normalized	100%	69.72%	69.81%

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TensorFlow - CPU - 16 - AlexNet	**162.08**	119.21	**119.07**
Normalized	100%	73.55%	73.46%
TensorFlow - CPU - 32 - AlexNet	**206.51**	139.64	**139.5**
Normalized	100%	67.62%	67.55%
TensorFlow - CPU - 64 - AlexNet	**235.75**	**153.62**	154.2
Normalized	100%	65.16%	65.41%
TensorFlow - CPU - 256 - AlexNet	**257.16**	171.28	**170.95**
Normalized	100%	66.6%	66.48%
TensorFlow - CPU - 512 - AlexNet	**263.55**	185.01	**184.89**
Normalized	100%	70.2%	70.15%
TensorFlow - CPU - 16 - GoogLeNet (images/sec)	**117.8**	71.76	**71.43**
Normalized	100%	60.92%	60.64%
TensorFlow - CPU - 16 - ResNet-50 (images/sec)	**40.3**	**24.95**	**24.95**
Normalized	100%	61.91%	61.91%
TensorFlow - CPU - 32 - GoogLeNet (images/sec)	**113.2**	**71.94**	72.06
Normalized	100%	63.55%	63.66%
TensorFlow - CPU - 32 - ResNet-50 (images/sec)	**38.65**	**24.52**	**24.52**
Normalized	100%	63.44%	63.44%
TensorFlow - CPU - 64 - GoogLeNet (images/sec)	**111.79**	**75.58**	75.62
Normalized	100%	67.61%	67.64%
TensorFlow - CPU - 64 - ResNet-50 (images/sec)	**37.77**	25.07	**25.05**
Normalized	100%	66.38%	66.32%
TensorFlow - CPU - 256 - GoogLeNet (images/sec)	**111.7**	**79.66**	79.71
Normalized	100%	71.32%	71.36%
TensorFlow - CPU - 256 - ResNet-50 (images/sec)	**37.89**	**25.71**	25.74
Normalized	100%	67.85%	67.93%
TensorFlow - CPU - 512 - GoogLeNet (images/sec)	**113**	82.82	**82.71**
Normalized	100%	73.29%	73.19%
Neural Magic DeepSparse - N.D.C.o.b.u.o.l - A.M.S (items/sec)	**13.0457**	**8.5433**	8.5585
Normalized	100%	65.49%	65.6%
Neural Magic DeepSparse - N.D.C.o.b.u.o.l - A.M.S (ms/batch)	**918.8018**	809.3714	**808.5181**
Normalized	88%	99.89%	100%
Neural Magic DeepSparse - N.D.C.o.b.u.o.l - S.S.S (items/sec)	**11.2392**	**8.1675**	8.1722
Normalized	100%	72.67%	72.71%
Neural Magic DeepSparse - N.D.C.o.b.u.o.l - S.S.S (ms/batch)	**88.9707**	**122.4326**	122.3631
Normalized	100%	72.67%	72.71%

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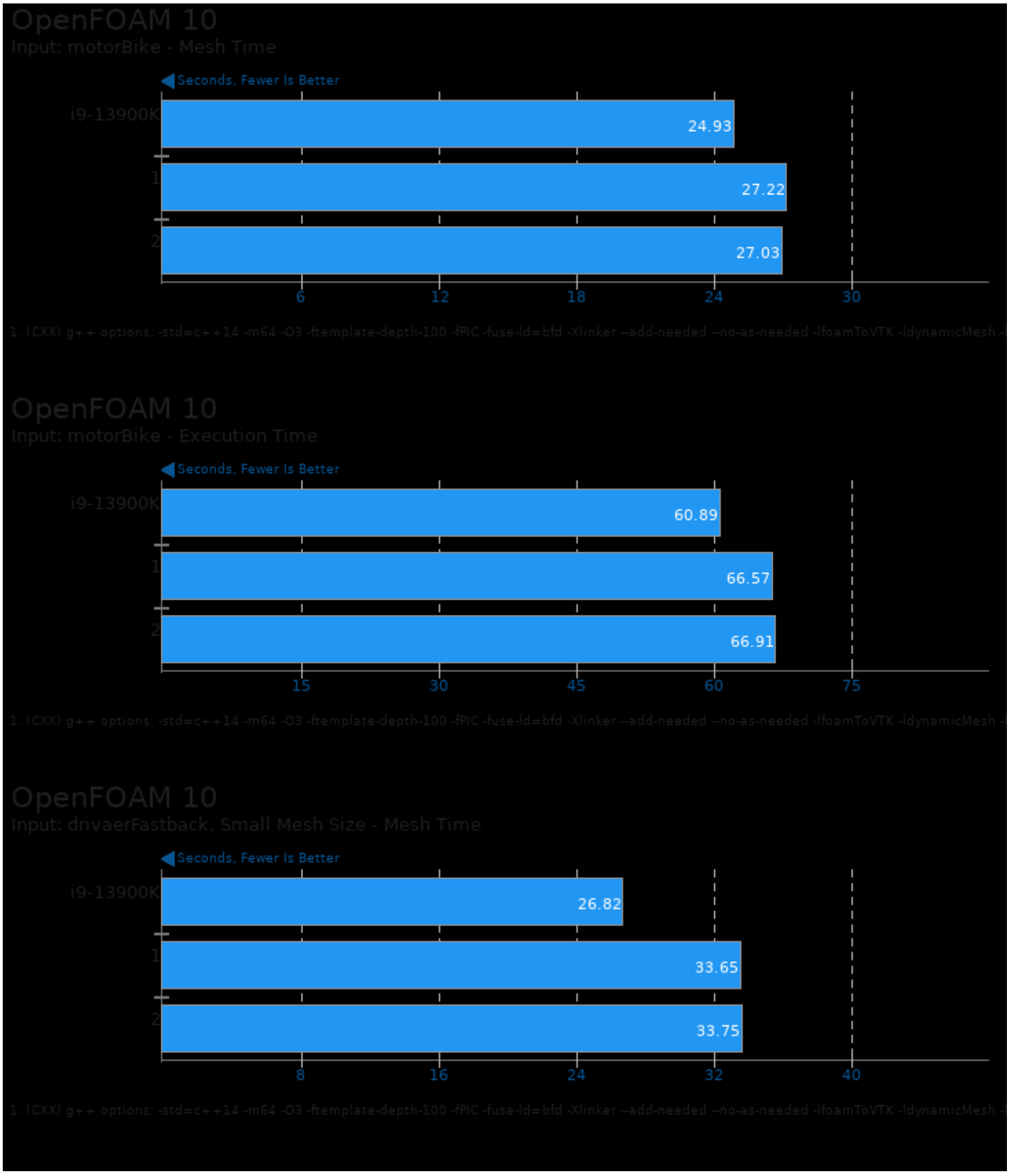
Neural Magic DeepSparse - N.Q.A.B.b.u.S.1.P - A.M.S (items/sec)	49.8528	36.7302	36.1568
Normalized	100%	73.68%	72.53%
Neural Magic DeepSparse - N.Q.A.B.b.u.S.1.P - A.M.S (ms/batch)	238.81	190.4977	191.5762
Normalized	79.77%	100%	99.44%
Neural Magic DeepSparse - N.Q.A.B.b.u.S.1.P - S.S.S (items/sec)	32.0948	28.3273	28.3592
Normalized	100%	88.26%	88.36%
Neural Magic DeepSparse - N.Q.A.B.b.u.S.1.P - S.S.S (ms/batch)	31.1516	35.2955	35.2558
Normalized	100%	88.26%	88.36%
Neural Magic DeepSparse - C.D.Y.C - A.M.S (items/sec)	79.5487	54.0744	54.2952
Normalized	100%	67.98%	68.25%
Neural Magic DeepSparse - C.D.Y.C - A.M.S (ms/batch)	149.8876	129.1379	128.8544
Normalized	85.97%	99.78%	100%
Neural Magic DeepSparse - C.D.Y.C - S.S.S (items/sec)	56.3802	45.1224	45.8356
Normalized	100%	80.03%	81.3%
Neural Magic DeepSparse - C.D.Y.C - S.S.S (ms/batch)	17.7309	22.1565	21.8117
Normalized	100%	80.03%	81.29%
Neural Magic DeepSparse - C.C.R.5.I - A.M.S (items/sec)	162.5947	107.9433	107.7949
Normalized	100%	66.39%	66.3%
Neural Magic DeepSparse - C.C.R.5.I - A.M.S (ms/batch)	73.765	64.8112	64.7088
Normalized	87.72%	99.84%	100%
Neural Magic DeepSparse - C.C.R.5.I - S.S.S (items/sec)	97.3426	81.6123	81.4743
Normalized	100%	83.84%	83.7%
Neural Magic DeepSparse - C.C.R.5.I - S.S.S (ms/batch)	10.2693	12.2494	12.2702
Normalized	100%	83.84%	83.69%
Neural Magic DeepSparse - N.T.C.D.m - A.M.S (items/sec)	109.5018	72.1481	72.2979
Normalized	100%	65.89%	66.02%
Neural Magic DeepSparse - N.T.C.D.m - A.M.S (ms/batch)	109.4439	96.8101	96.7018
Normalized	88.36%	99.89%	100%
Neural Magic DeepSparse - N.T.C.D.m - S.S.S (items/sec)	80.5042	58.8041	58.3914
Normalized	100%	73.04%	72.53%
Neural Magic DeepSparse - N.T.C.D.m - S.S.S (ms/batch)	12.4184	17.0025	17.123
Normalized	100%	73.04%	72.52%
Neural Magic DeepSparse - N.T.C.B.b.u.S - A.M.S (items/sec)	53.7542	36.1713	36.2911
Normalized	100%	67.29%	67.51%

Raptor New Tests

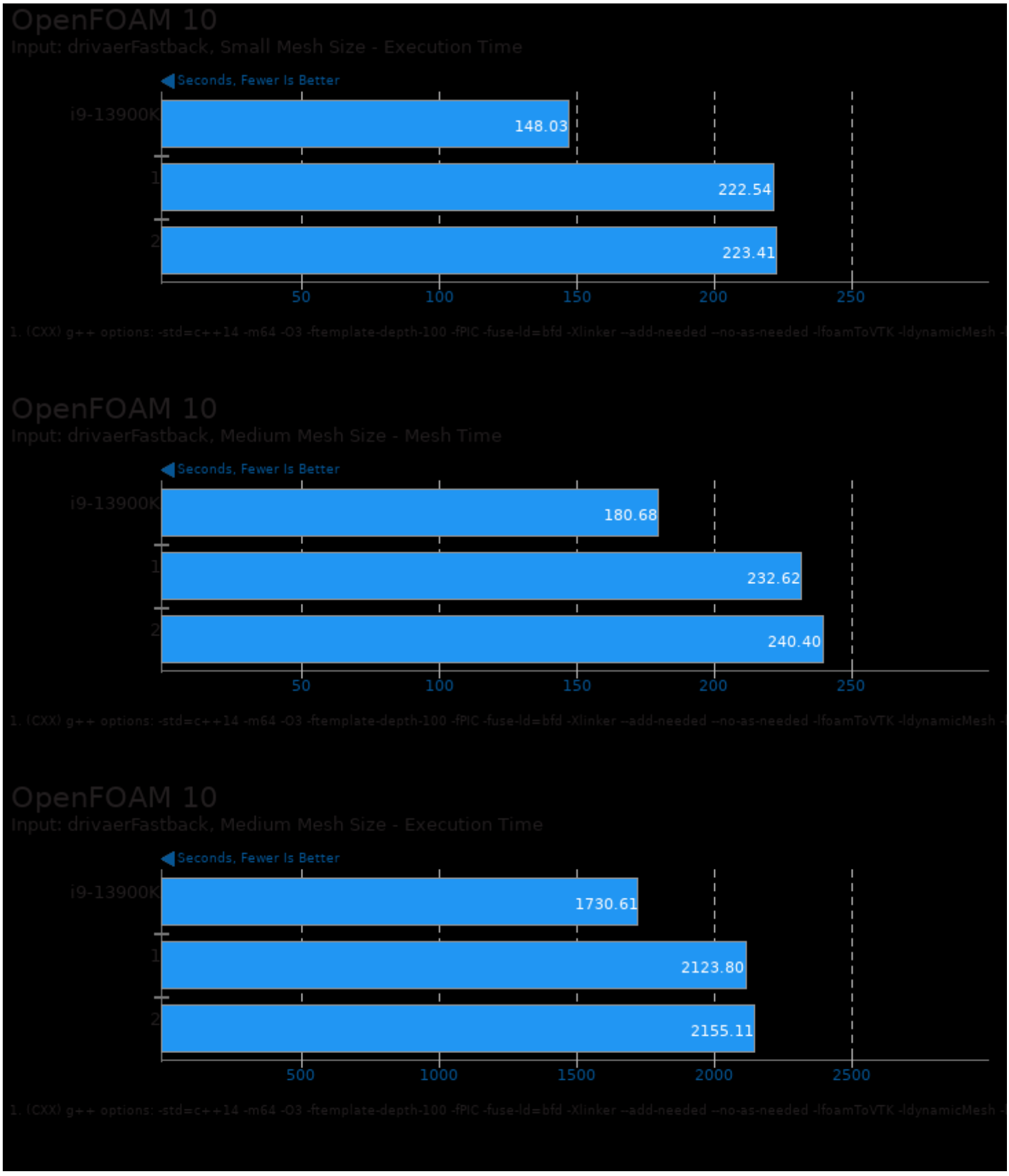
Neural Magic DeepSparse - N.T.C.B.b.u.S - A.M.S (ms/batch)	222.6054	193.0444	192.5365
Normalized	86.49%	99.74%	100%
Neural Magic DeepSparse - N.T.C.B.b.u.S - S.S.S (items/sec)	40.544	29.8842	29.6304
Normalized	100%	73.71%	73.08%
Neural Magic DeepSparse - N.T.C.B.b.u.S - S.S.S (ms/batch)	24.6614	33.4597	33.7462
Normalized	100%	73.7%	73.08%
Neural Magic DeepSparse - N.T.C.B.b.u.c - A.M.S (items/sec)	12.9533	8.485	8.5316
Normalized	100%	65.5%	65.86%
Neural Magic DeepSparse - N.T.C.B.b.u.c - A.M.S (ms/batch)	922.0204	815.2918	809.4872
Normalized	87.79%	99.29%	100%
Neural Magic DeepSparse - N.T.C.B.b.u.c - S.S.S (items/sec)	11.0193	8.0674	8.135
Normalized	100%	73.21%	73.83%
Neural Magic DeepSparse - N.T.C.B.b.u.c - S.S.S (ms/batch)	90.7461	123.9533	122.9236
Normalized	100%	73.21%	73.82%
spaCy - en_core_web_lg (tokens/sec)	20381	18678	18831
Normalized	100%	91.64%	92.39%
spaCy - en_core_web_trf (tokens/sec)	2565	1582	1580
Normalized	100%	61.68%	61.6%
Blender - BMW27 - CPU-Only (sec)	47.51	78.47	78.28
Normalized	100%	60.55%	60.69%
Blender - Classroom - CPU-Only (sec)	138.52	223.13	224.02
Normalized	100%	62.08%	61.83%
Blender - Fishy Cat - CPU-Only (sec)	69.83	113.25	113.23
Normalized	100%	61.66%	61.67%
Blender - Barbershop - CPU-Only (sec)	541.77	882.12	886.19
Normalized	100%	61.42%	61.13%
Blender - Pabellon Barcelona - CPU-Only	167.16	270.6	270.68
Normalized	100%	61.77%	61.76%
OpenVINO - F.D.F - CPU (FPS)	5.45	3.18	3.18
Normalized	100%	58.35%	58.35%
OpenVINO - F.D.F - CPU (ms)	1464	1541	1543
Normalized	100%	95.03%	94.87%
OpenVINO - P.D.F - CPU (FPS)	3.81	2.42	2.39
Normalized	100%	63.52%	62.73%
OpenVINO - P.D.F - CPU (ms)	2067	2037	2045
Normalized	98.55%	100%	99.6%
OpenVINO - P.D.F - CPU (FPS)	3.79	2.39	2.39
Normalized	100%	63.06%	63.06%
OpenVINO - P.D.F - CPU (ms)	2082	2039	2038
Normalized	97.89%	99.95%	100%
OpenVINO - V.D.F - CPU (FPS)	380.38	331.12	331.52
Normalized	100%	87.05%	87.15%
OpenVINO - V.D.F - CPU (ms)	21	15.09	15.07
Normalized	71.76%	99.87%	100%
OpenVINO - F.D.F.I - CPU (FPS)	19.45	12.84	12.84

Raptor New Tests

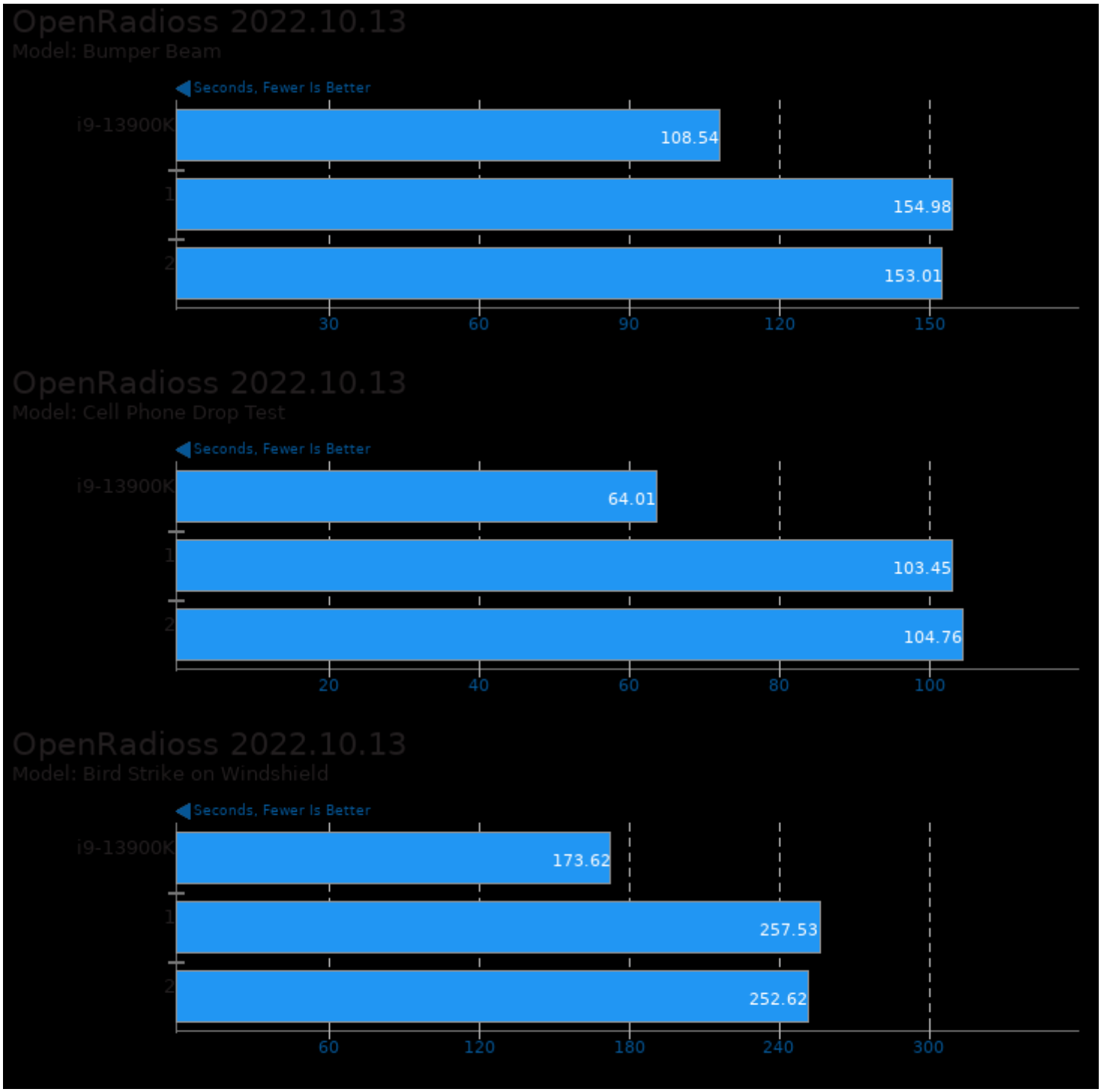
Normalized	100%	66.02%	66.02%
OpenVINO - F.D.F.I - CPU (ms)	409.69	386.1	386.03
Normalized	94.22%	99.98%	100%
OpenVINO - V.D.F.I - CPU (FPS)	984.98	627.41	627.64
Normalized	100%	63.7%	63.72%
OpenVINO - V.D.F.I - CPU (ms)	8.11	7.96	7.96
Normalized	98.15%	100%	100%
OpenVINO - W.P.D.F - CPU (FPS)	497.61	293.53	294.94
Normalized	100%	58.99%	59.27%
OpenVINO - W.P.D.F - CPU (ms)	48.16	47.6	47.37
Normalized	98.36%	99.52%	100%
OpenVINO - M.T.E.T.D.F - CPU (FPS)	68.44	44.87	44.87
Normalized	100%	65.56%	65.56%
OpenVINO - M.T.E.T.D.F - CPU (ms)	116.78	111.33	111.27
Normalized	95.28%	99.95%	100%
OpenVINO - W.P.D.F.I - CPU (FPS)	1728	1112	1118
Normalized	100%	64.31%	64.69%
OpenVINO - W.P.D.F.I - CPU (ms)	13.87	12.52	12.44
Normalized	89.69%	99.36%	100%
OpenVINO - P.V.B.D.F - CPU (FPS)	783.93	533.65	533.78
Normalized	100%	68.07%	68.09%
OpenVINO - P.V.B.D.F - CPU (ms)	10.19	9.36	9.35
Normalized	91.76%	99.89%	100%
OpenVINO - A.G.R.R.0.F - CPU (FPS)	15612	9308	9322
Normalized	100%	59.62%	59.71%
OpenVINO - A.G.R.R.0.F - CPU (ms)	1.53	1.5	1.5
Normalized	98.04%	100%	100%
OpenVINO - A.G.R.R.0.F.I - CPU (FPS)	35165	21075	20971
Normalized	100%	59.93%	59.64%
OpenVINO - A.G.R.R.0.F.I - CPU (ms)	0.68	0.66	0.66
Normalized	97.06%	100%	100%
Facebook RocksDB - Rand Read (Op/s)	199102549	114483821	114072362
Normalized	100%	57.5%	57.29%
Facebook RocksDB - Update Rand (Op/s)	820108	610682	603129
Normalized	100%	74.46%	73.54%
Facebook RocksDB - Read While Writing	5840427	3438785	3501623
Normalized	100%	58.88%	59.95%
Facebook RocksDB - R.R.W.R (Op/s)	3882129	2732258	2724610
Normalized	100%	70.38%	70.18%
Natron - Spaceship (FPS)	6.9	4.7	4.8
Normalized	100%	68.12%	69.57%
BRL-CAD - V.P.M (VGR Performance Metric)	494464	295210	294709
Normalized	100%	59.7%	59.6%


OpenFOAM 10
Input: motorBike - Mesh Time
Seconds, Fewer Is Better
i9-13900K
24.93
27.22
27.03
6
12
18
24
30
1. (CXX) g++ options: -std=c++14 -m64 -O3 -ftemplate-depth-100 -fPIC -fuse-ld=bfd -Xlinker --add-needed --no-as-needed -lfoamToVTK -ldynamicMesh
OpenFOAM 10
Input: motorBike - Execution Time
Seconds, Fewer Is Better
i9-13900K
60.89
66.57
66.91
15
30
45
60
75
1. (CXX) g++ options: -std=c++14 -m64 -O3 -ftemplate-depth-100 -fPIC -fuse-ld=bfd -Xlinker --add-needed --no-as-needed -lfoamToVTK -ldynamicMesh
OpenFOAM 10
Input: drivaerFastback, Small Mesh Size - Mesh Time
Seconds, Fewer Is Better
i9-13900K
26.82
33.65
33.75
8
16
24
32
40
1. (CXX) g++ options: -std=c++14 -m64 -O3 -ftemplate-depth-100 -fPIC -fuse-ld=bfd -Xlinker --add-needed --no-as-needed -lfoamToVTK -ldynamicMesh

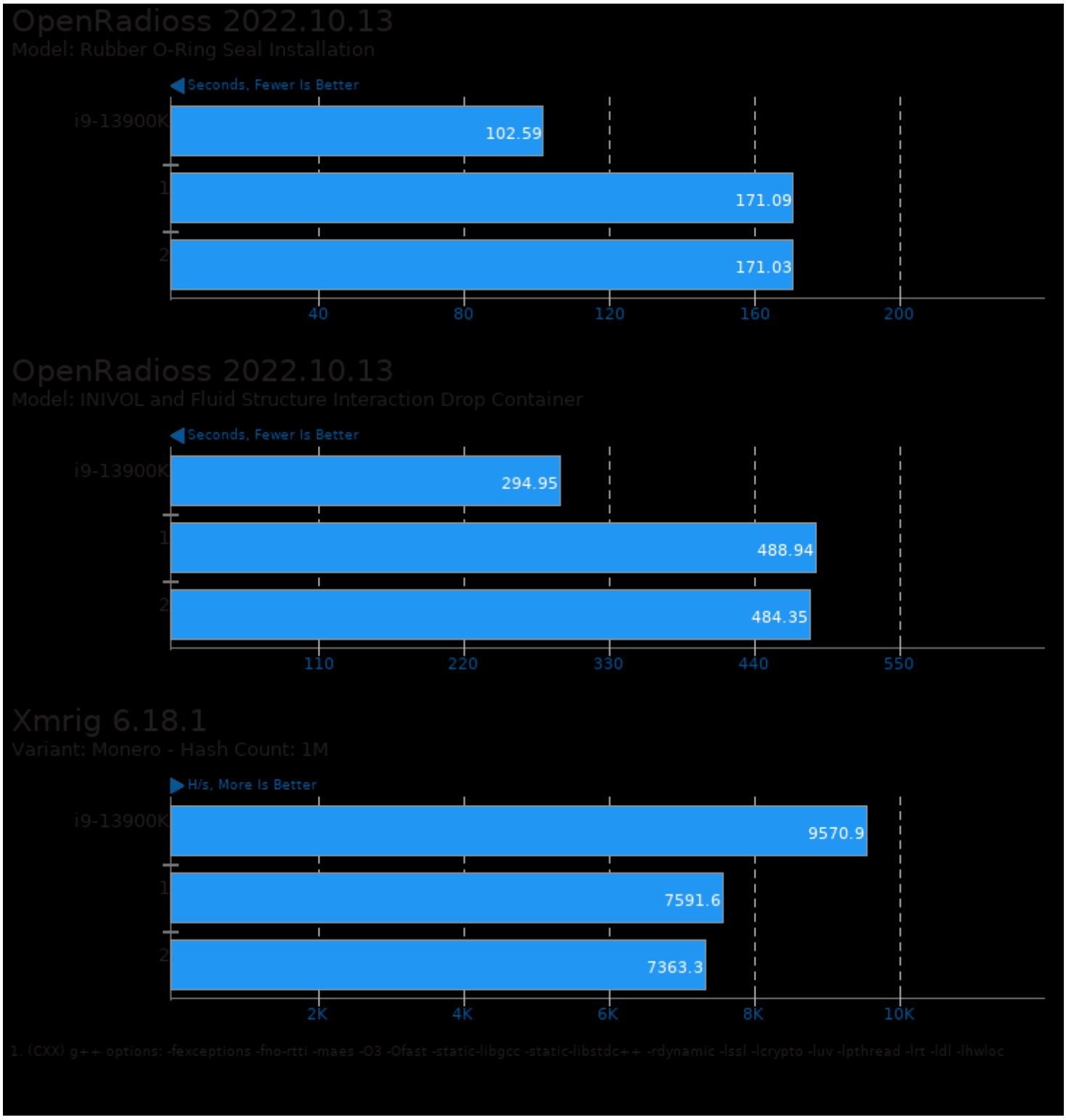
Raptor New Tests

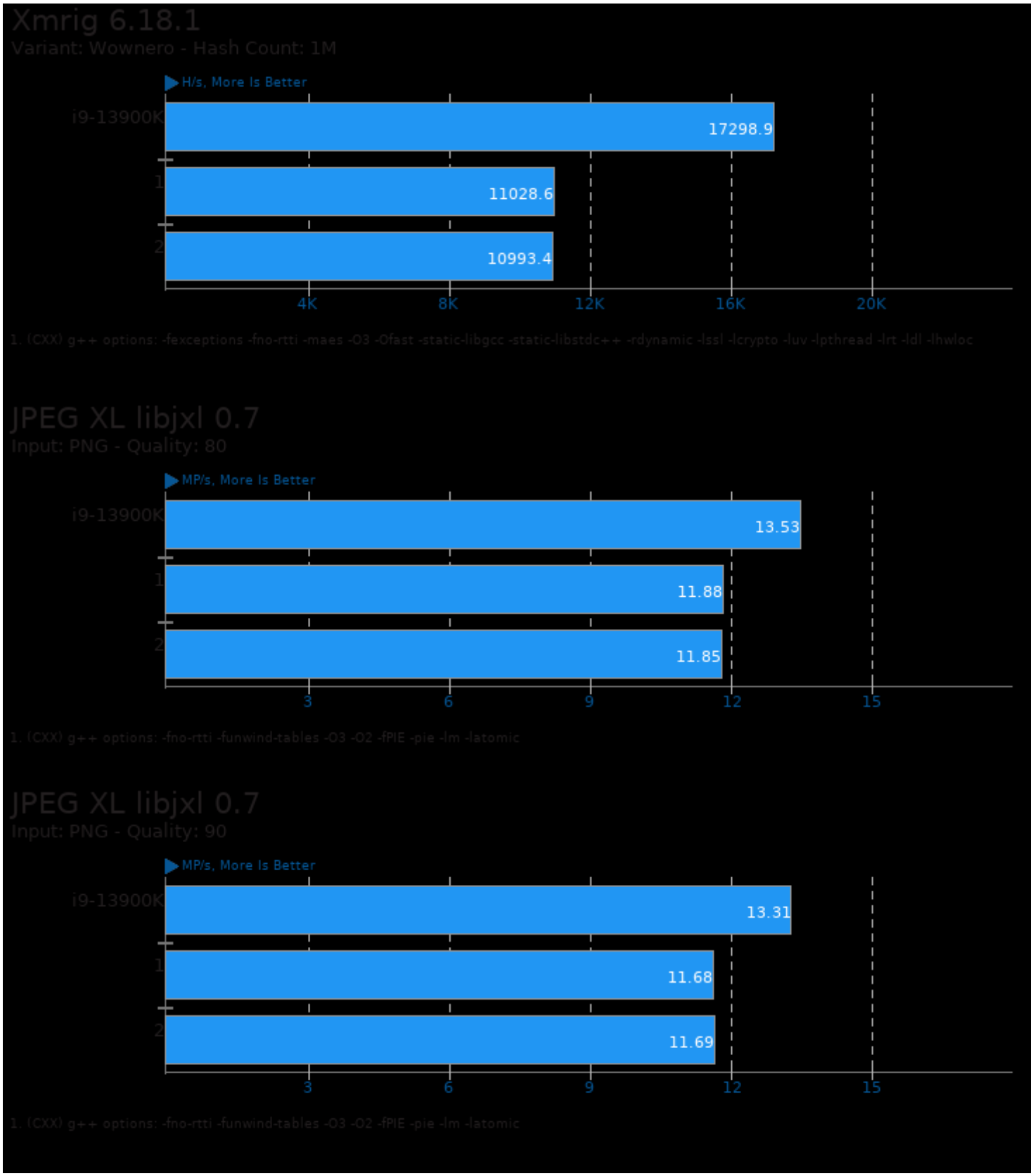


Raptor New Tests

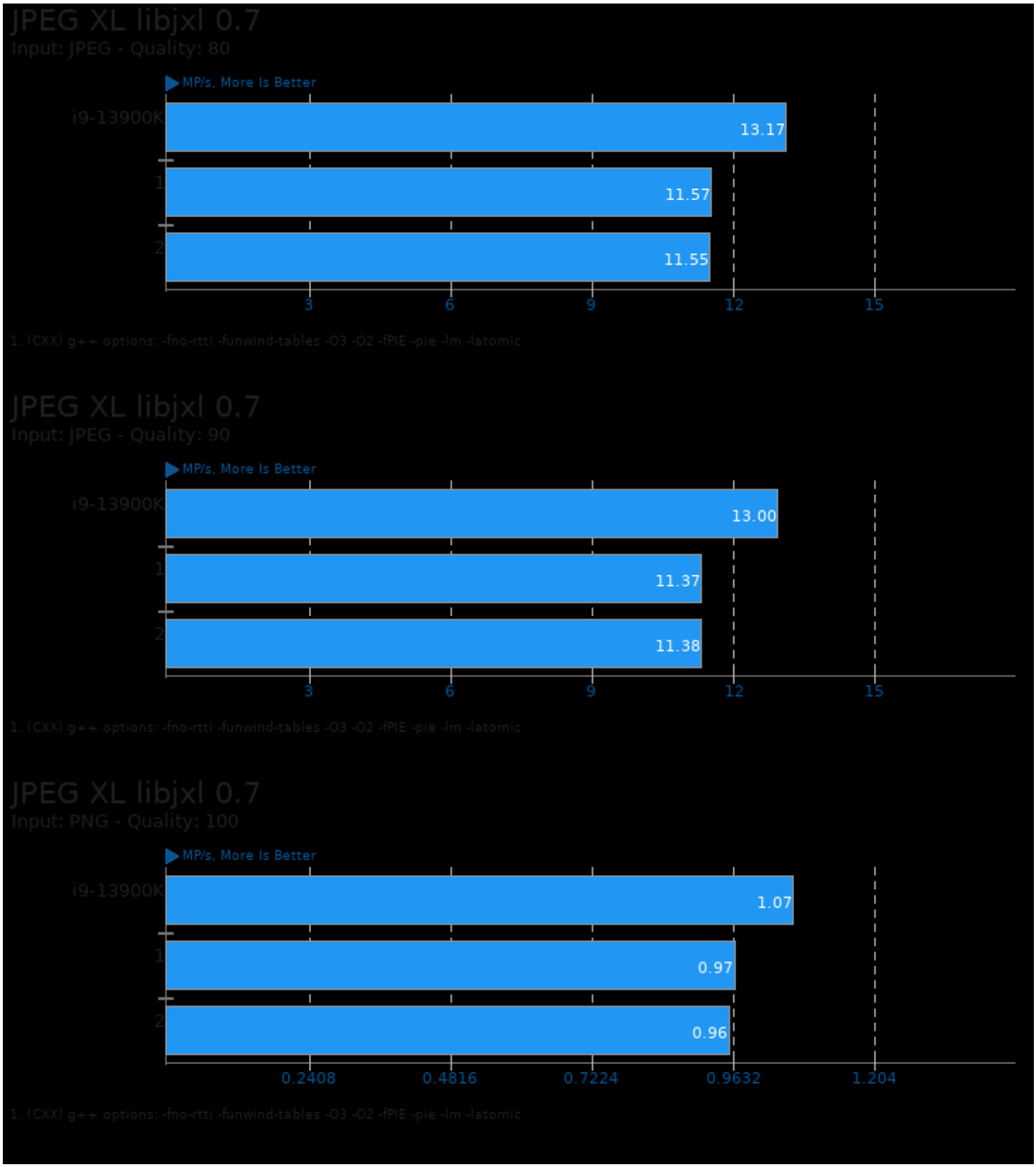


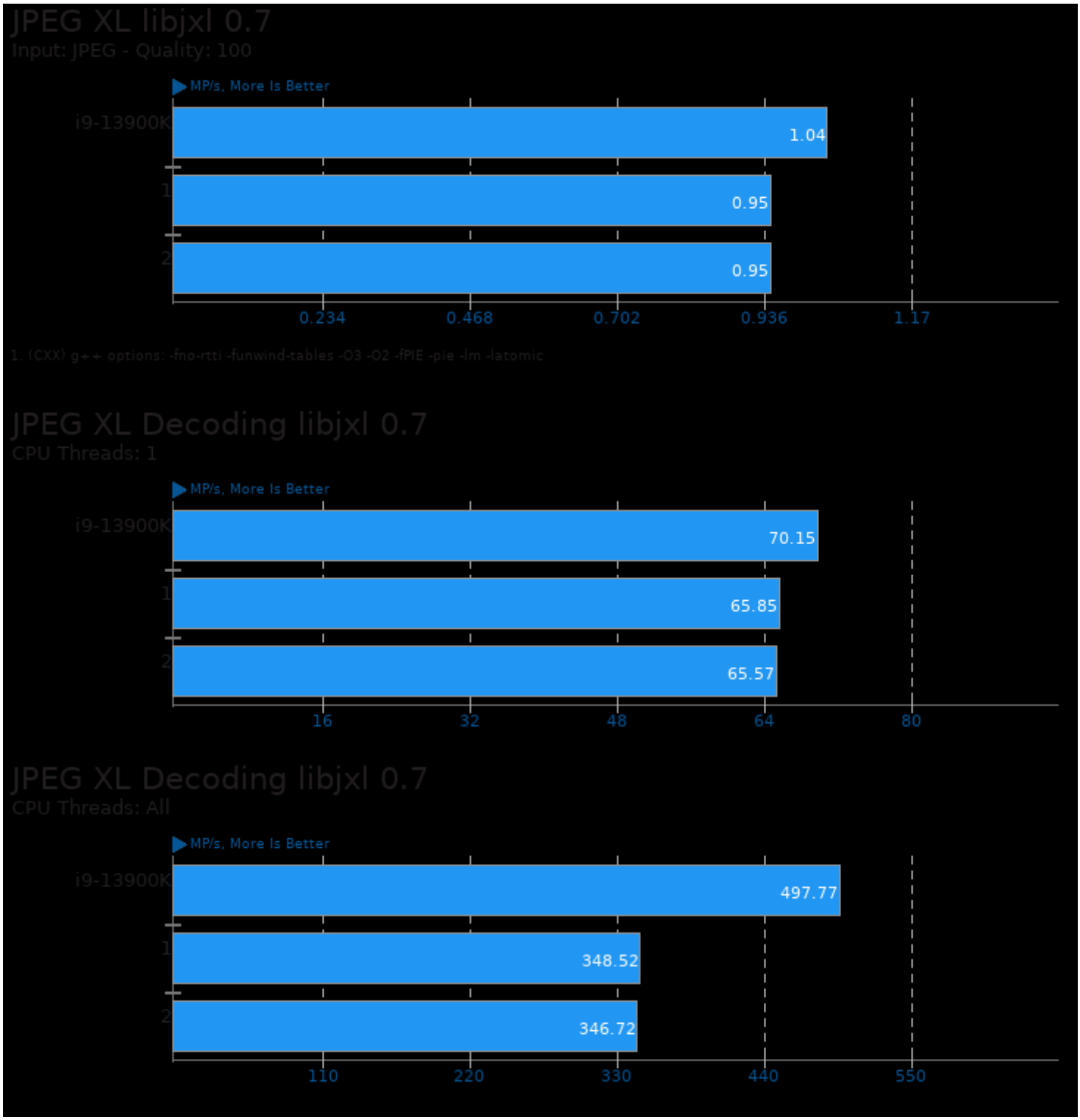
Raptor New Tests



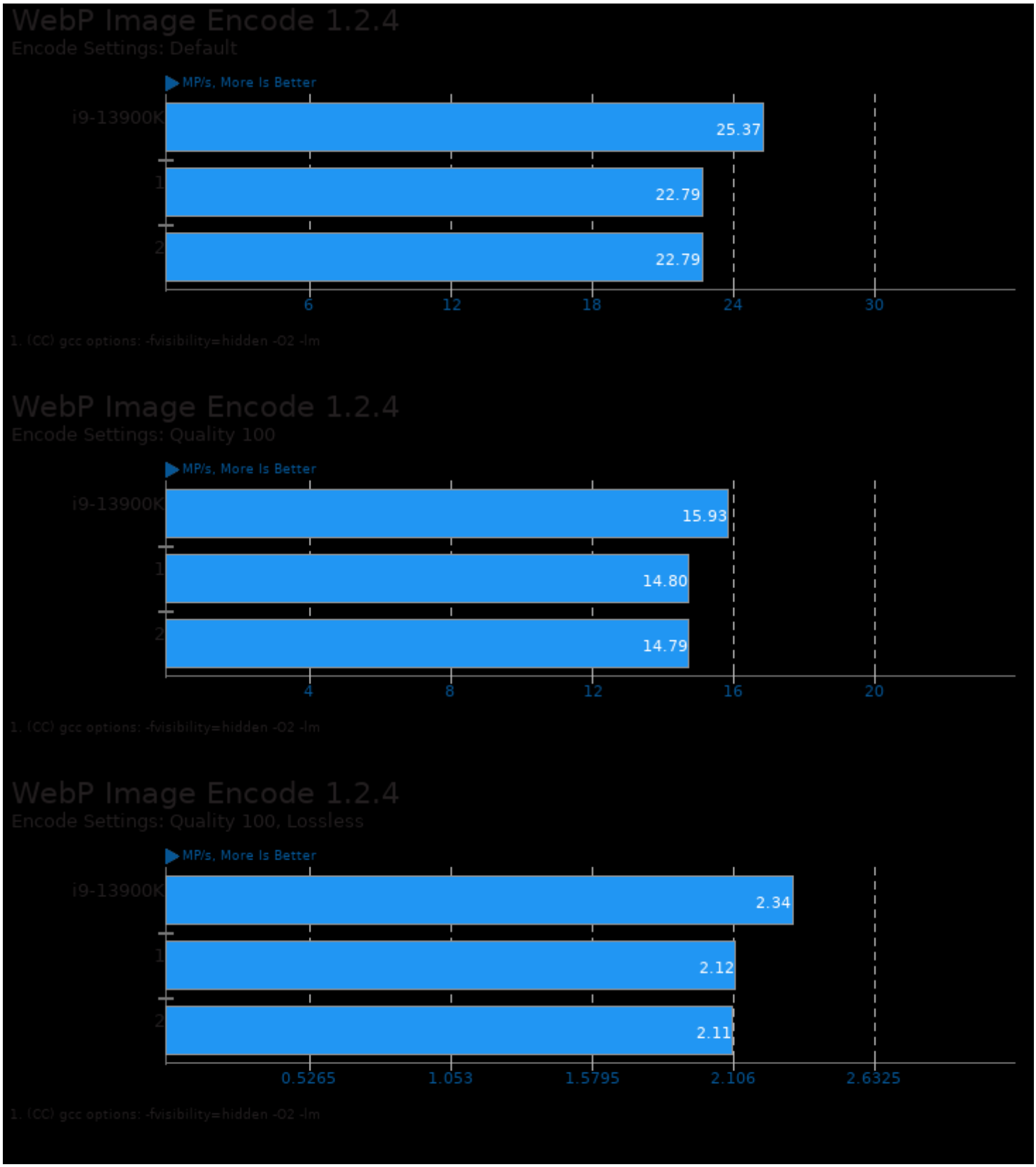

Xmrig 6.18.1
Variant: Wownero - Hash Count: 1M
H/s, More Is Better
i9-13900K
17298.9
11028.6
10993.4
4K
8K
12K
16K
20K
1. (CXX) g++ options: -fexceptions -fno-rtti -maes -O3 -Ofast -static-libgcc -static-libstdc++ -rdynamic -lssl -lcrypto -luv -lpthread -lrt -ldl -lhwloc
JPEG XL libjxl 0.7
Input: PNG - Quality: 80
MP/s, More Is Better
i9-13900K
13.53
11.88
11.85
3
6
9
12
15
1. (CXX) g++ options: -fno-rtti -funwind-tables -O3 -O2 -fPIE -pie -lm -latomic
JPEG XL libjxl 0.7
Input: PNG - Quality: 90
MP/s, More Is Better
i9-13900K
13.31
11.68
11.69
3
6
9
12
15
1. (CXX) g++ options: -fno-rtti -funwind-tables -O3 -O2 -fPIE -pie -lm -latomic

Raptor New Tests

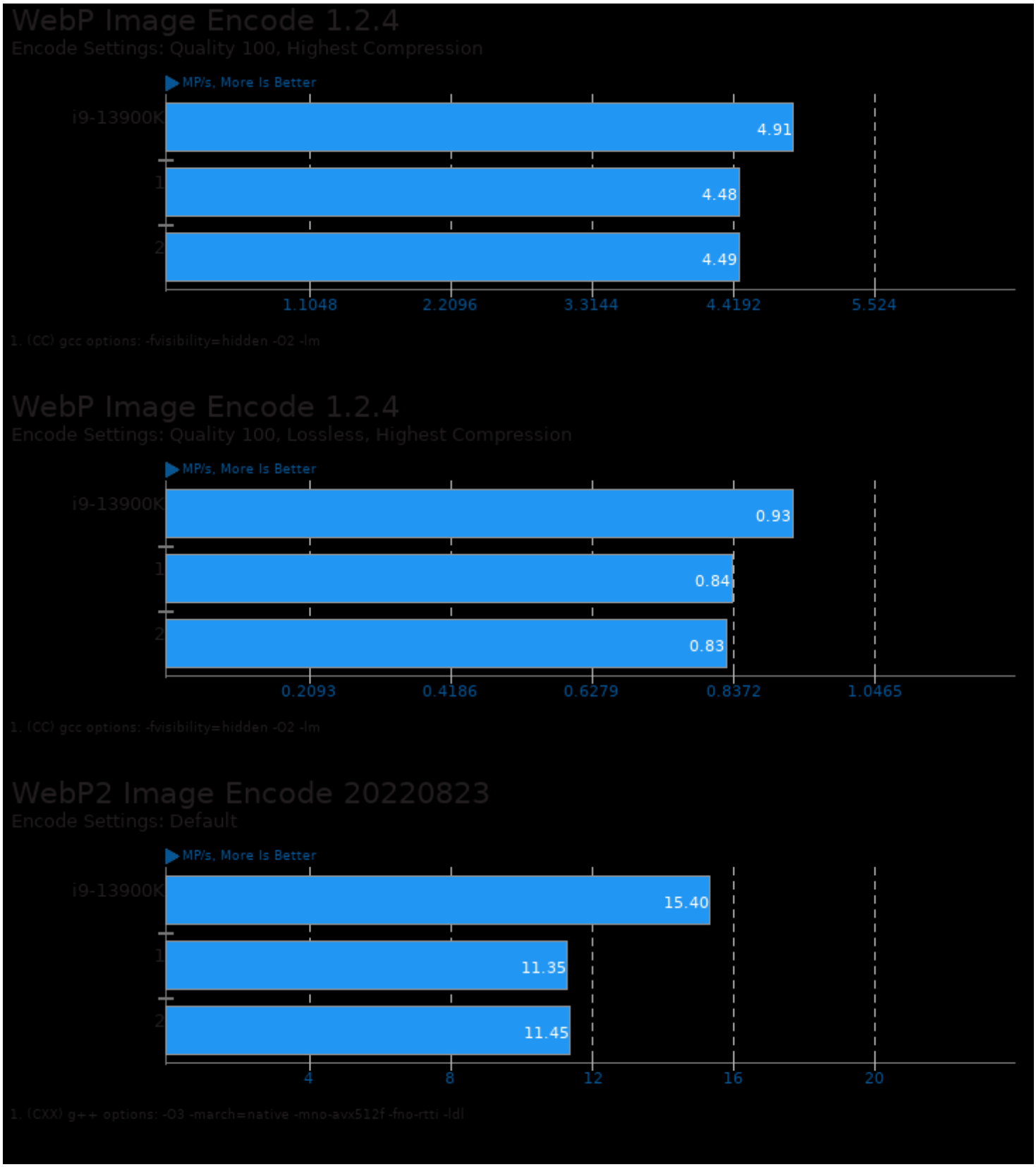



JPEG XL libjxl 0.7
Input: JPEG - Quality: 100
MP/s, More Is Better
i9-13900K
1.04
0.95
0.95
0.234
0.468
0.702
0.936
1.17
1. (CXX) g++ options: -fno-rtti -funwind-tables -O3 -O2 -fPIE -pie -lm -latomic
JPEG XL Decoding libjxl 0.7
CPU Threads: 1
MP/s, More Is Better
i9-13900K
70.15
65.85
65.57
16
32
48
64
80
JPEG XL Decoding libjxl 0.7
CPU Threads: All
MP/s, More Is Better
i9-13900K
497.77
348.52
346.72
110
220
330
440
550

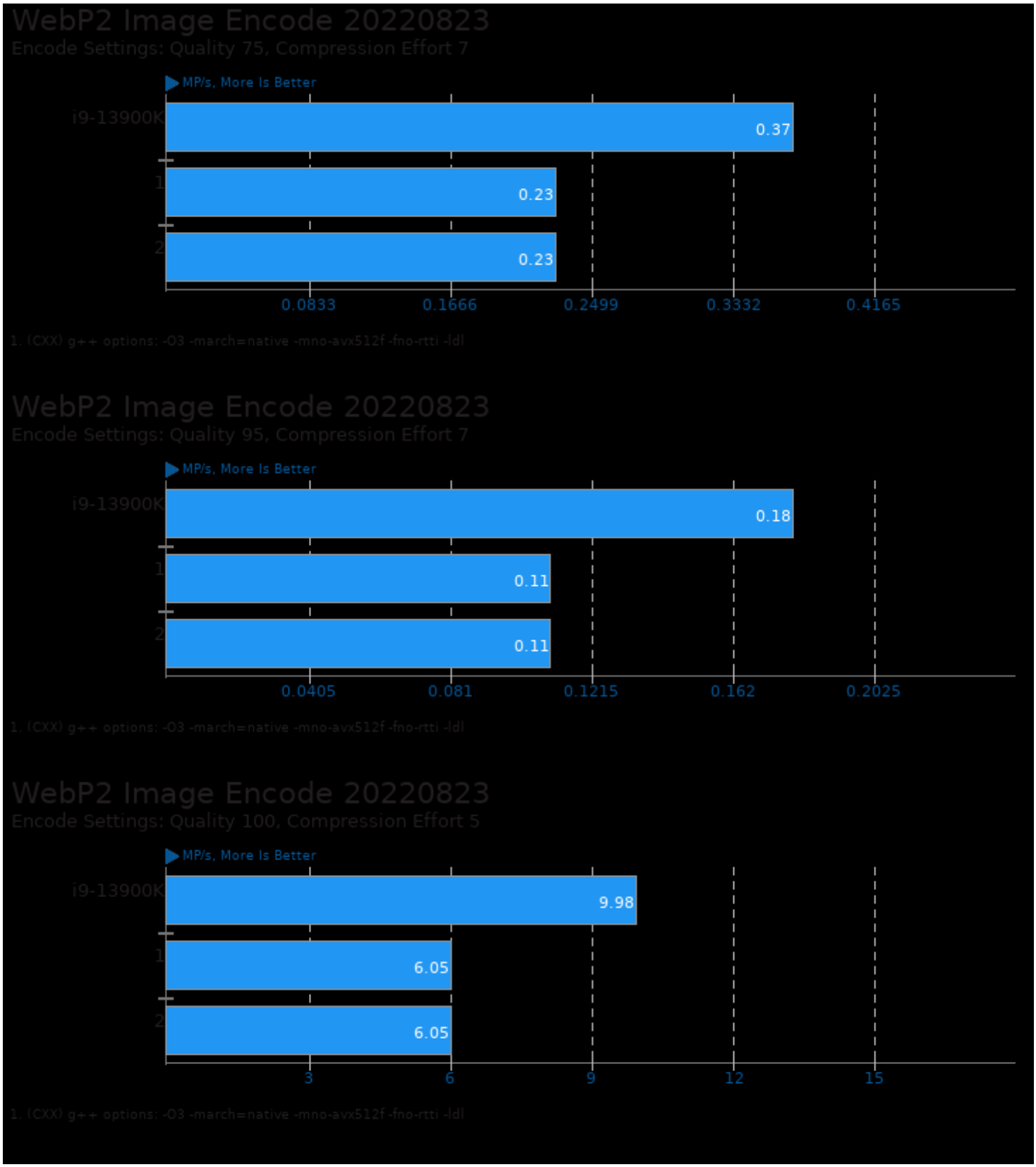
Raptor New Tests



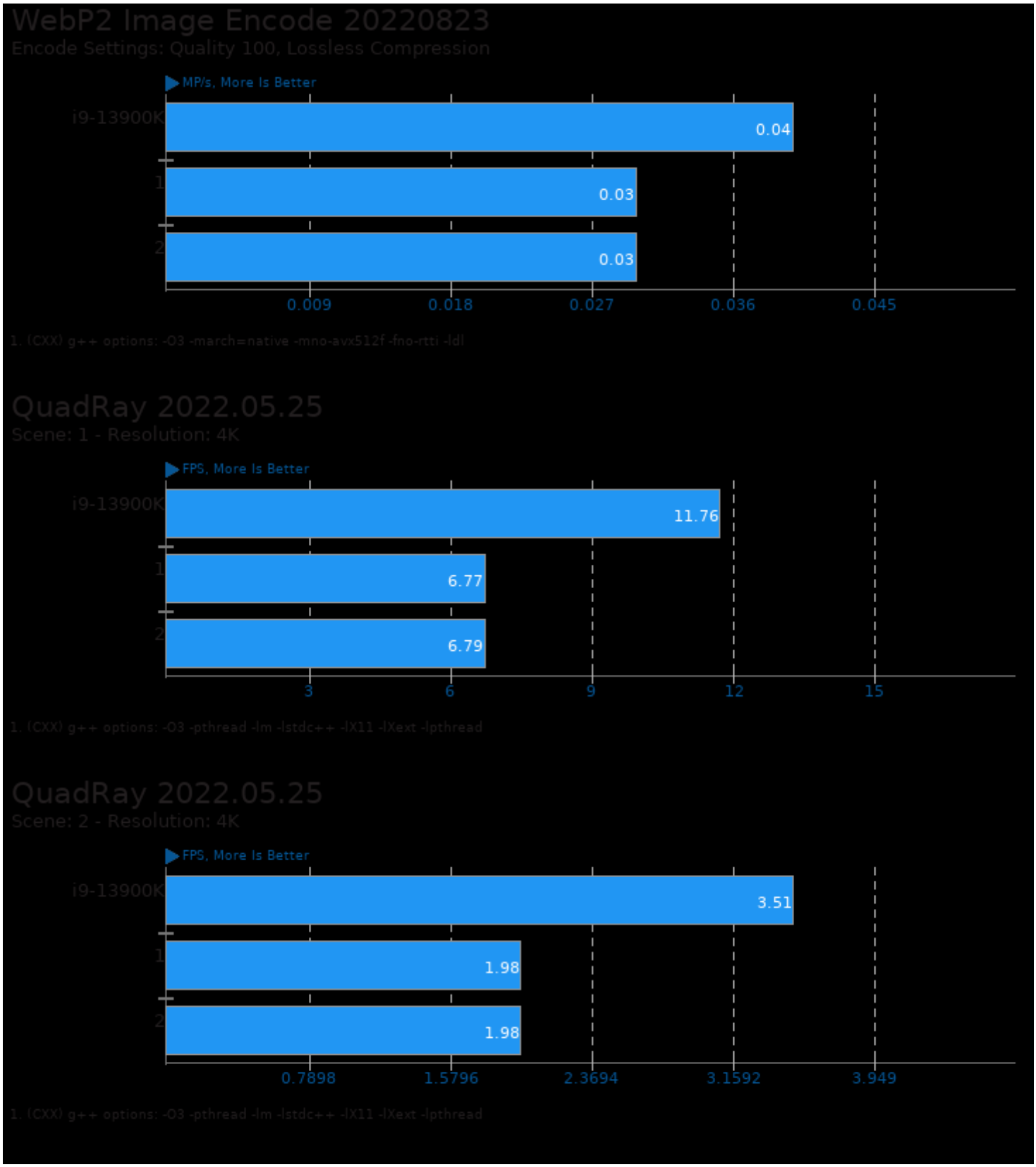
Raptor New Tests



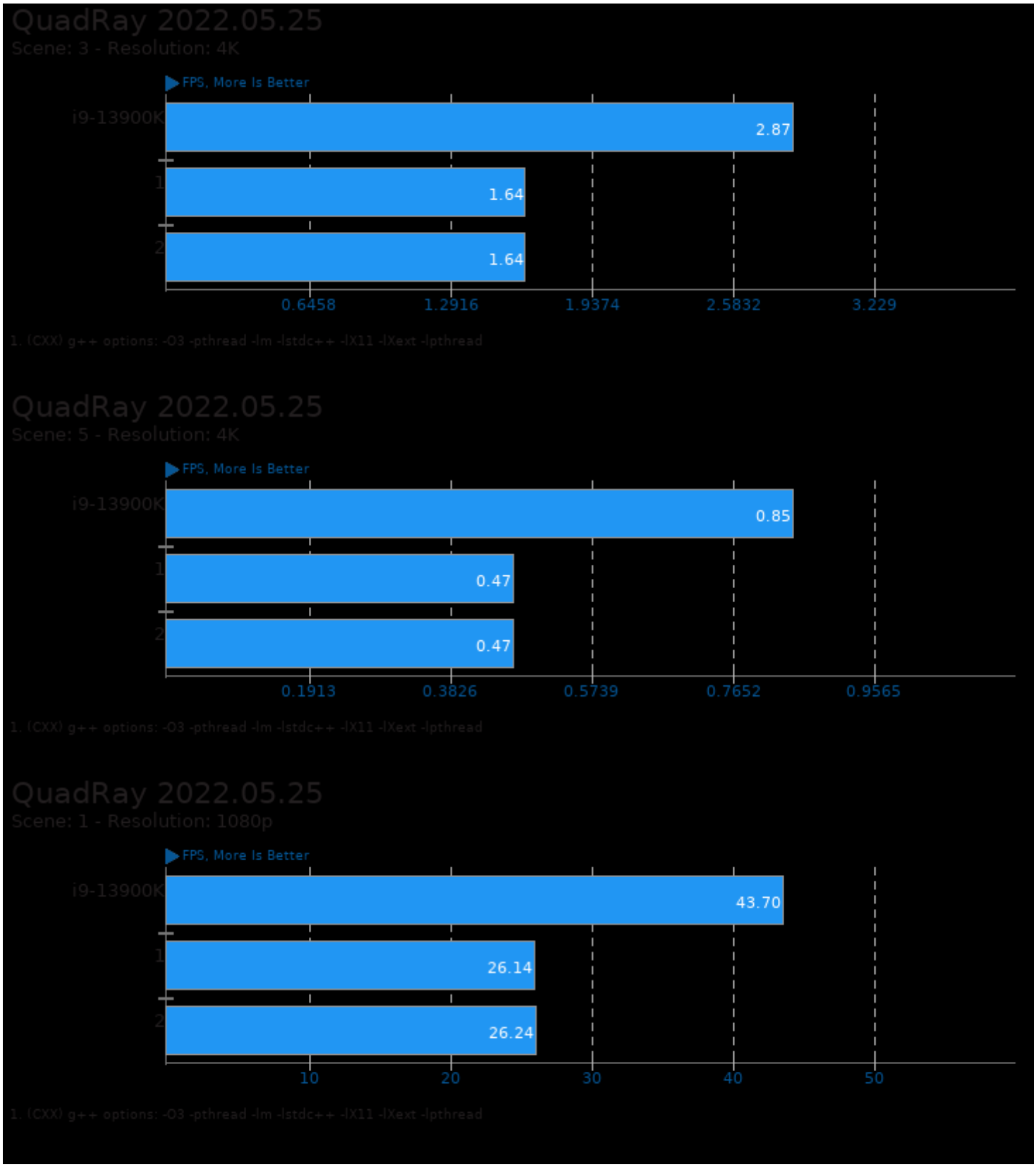
Raptor New Tests



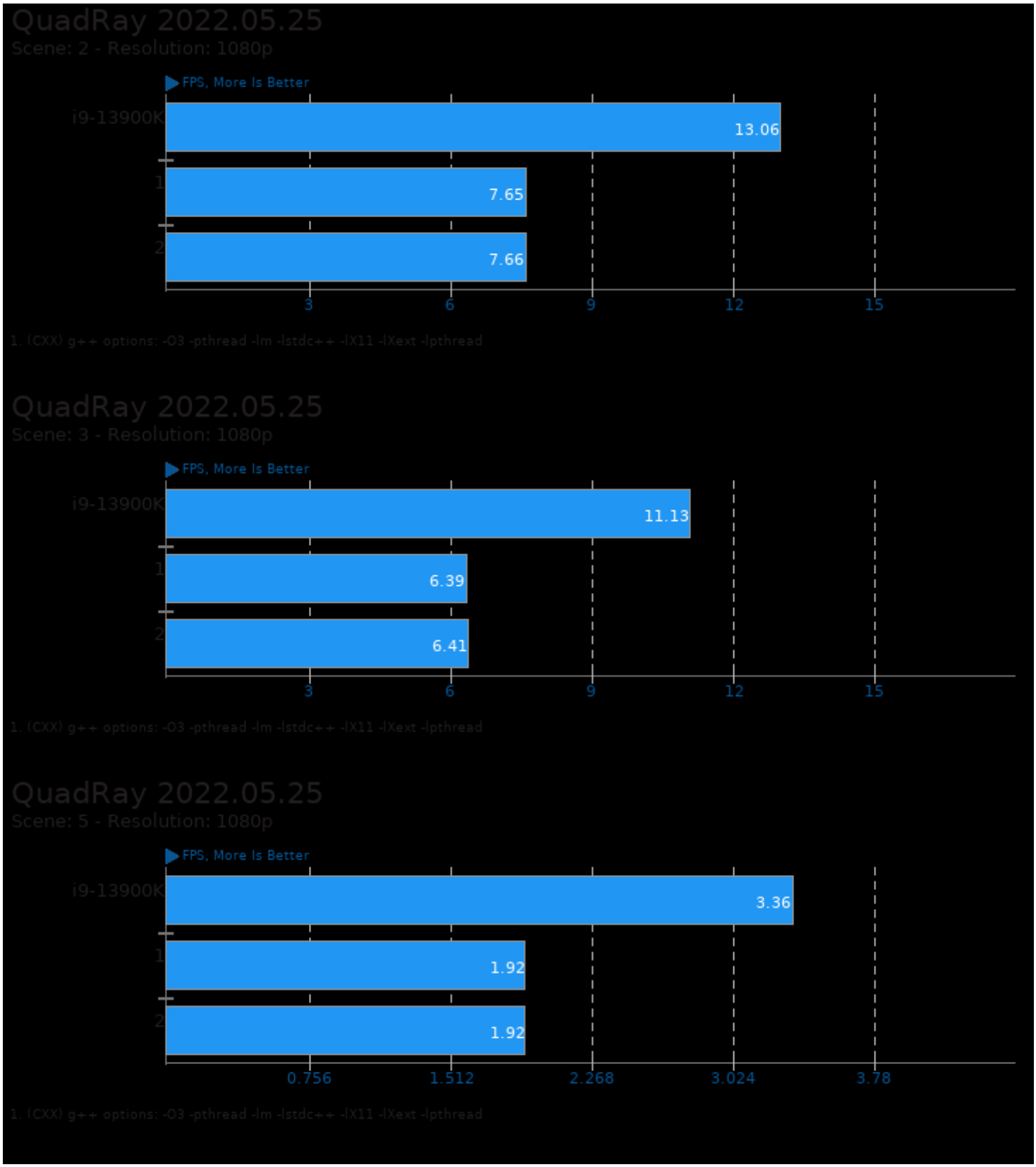
Raptor New Tests

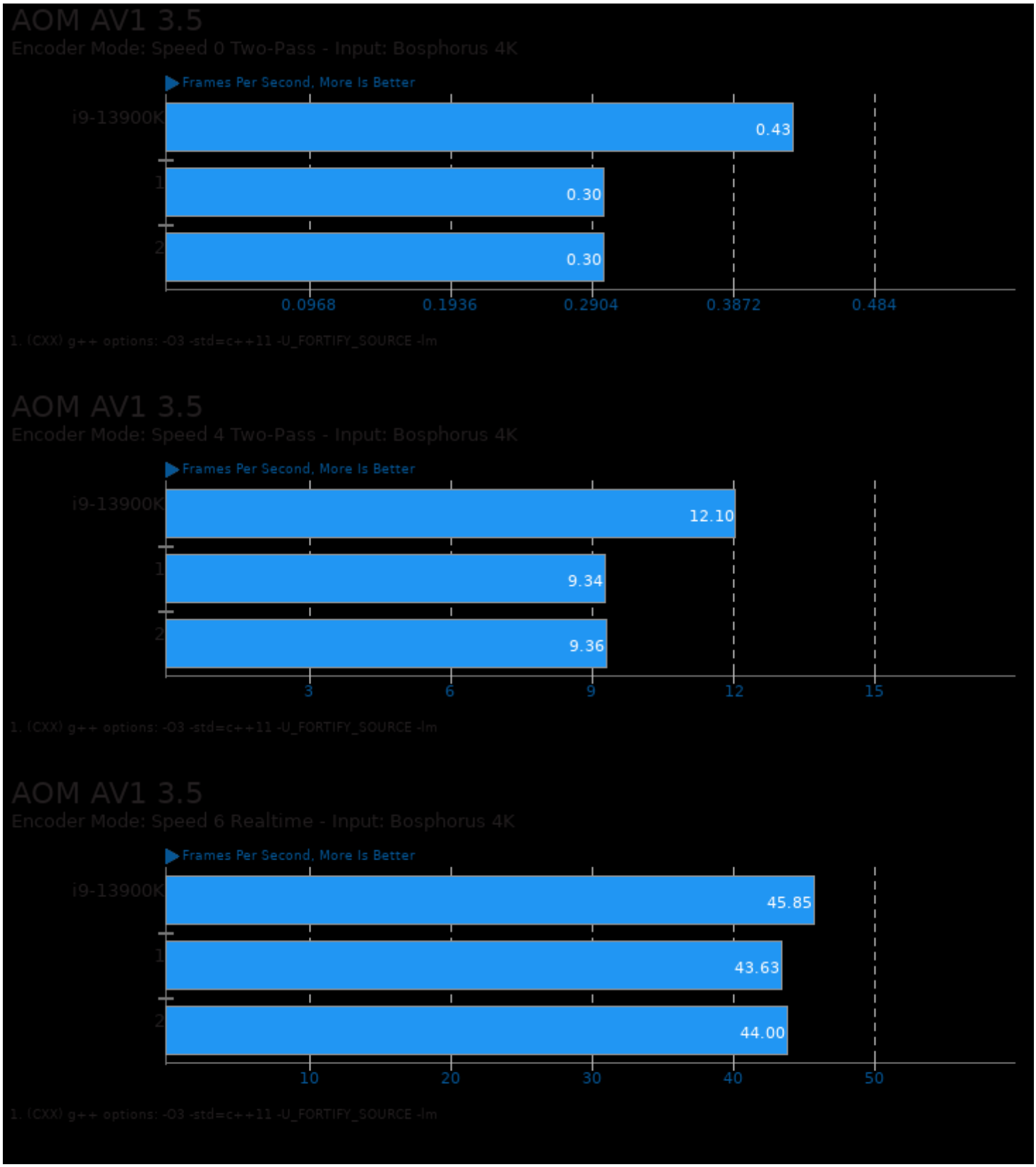


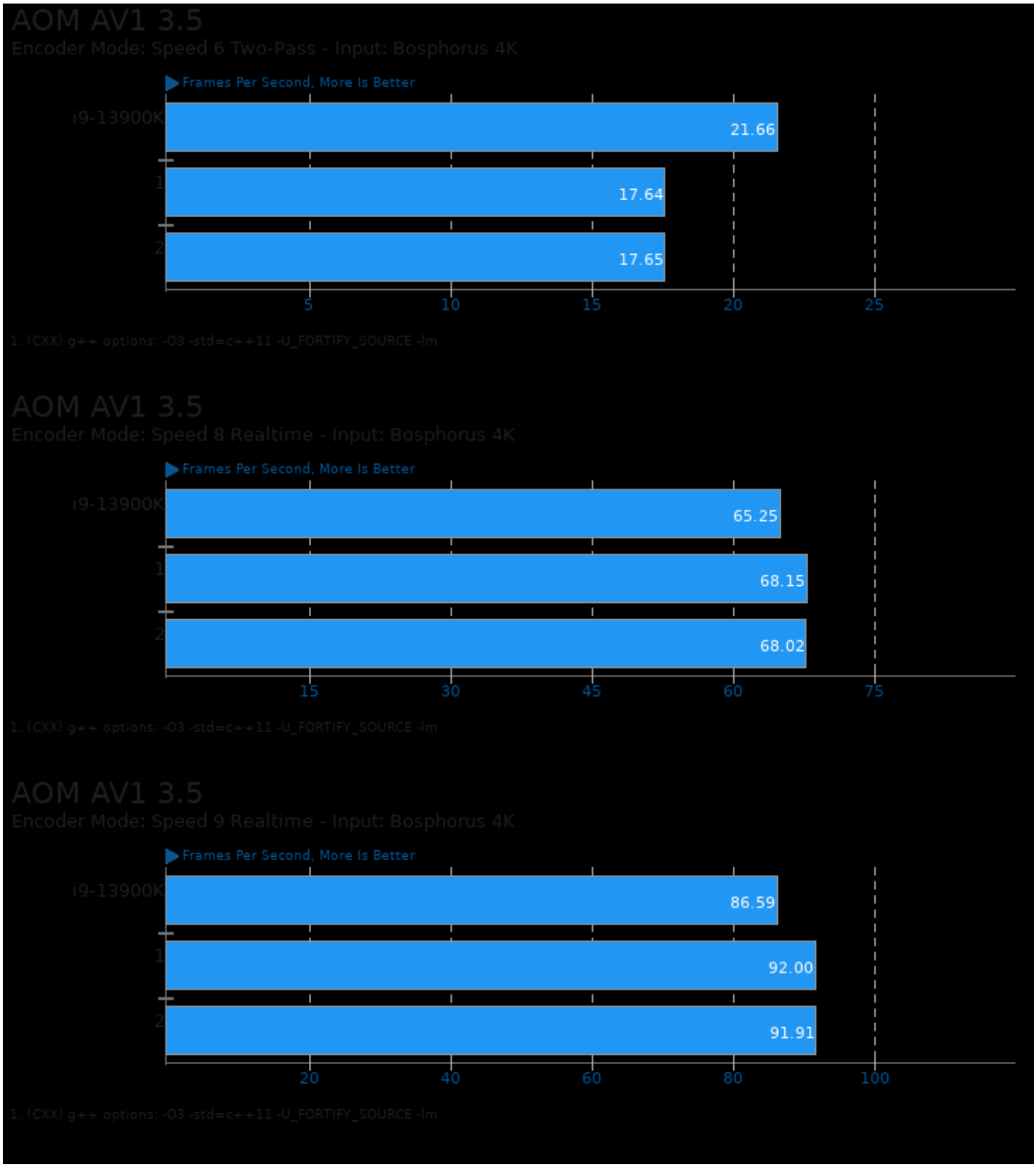
Raptor New Tests

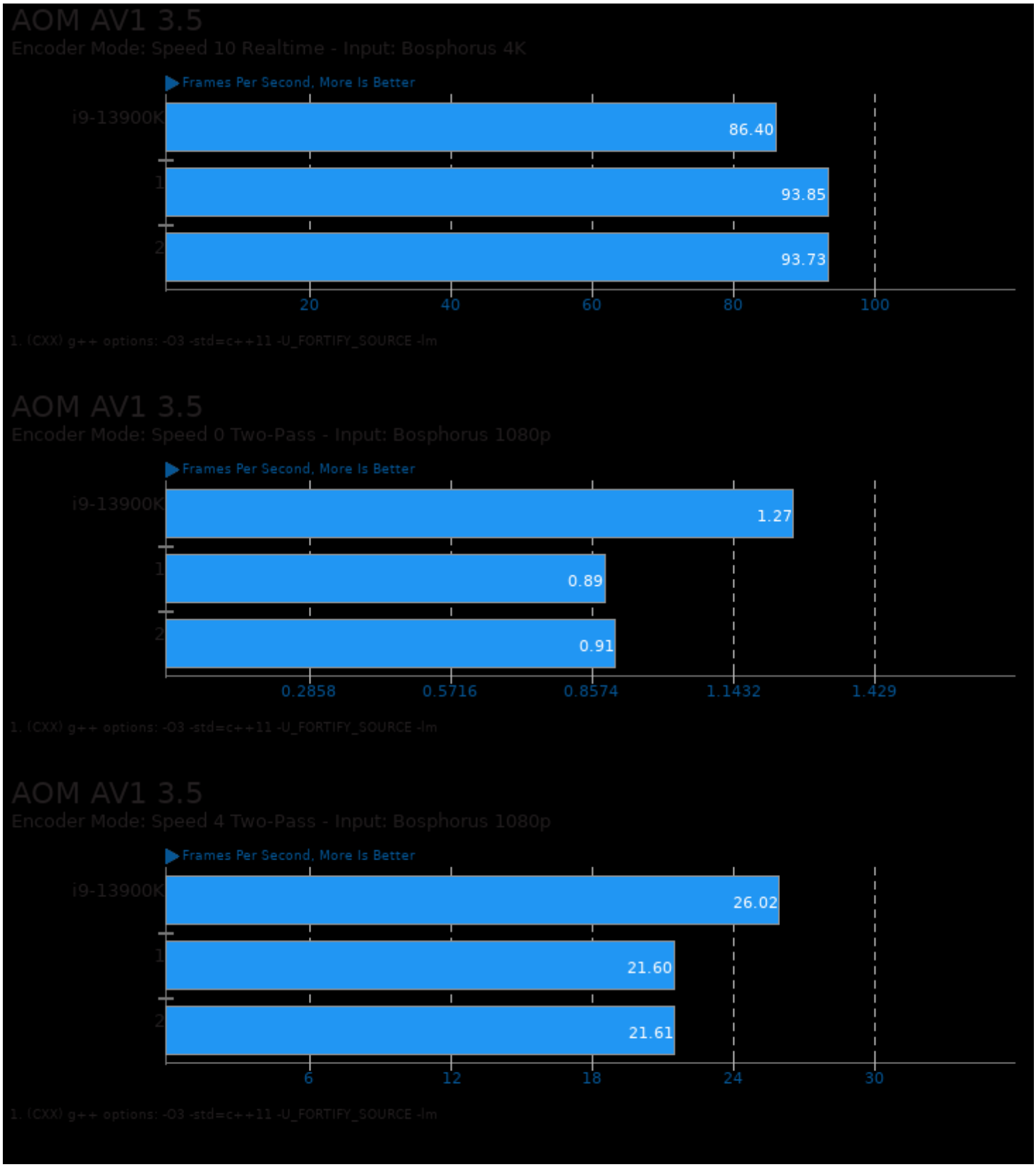


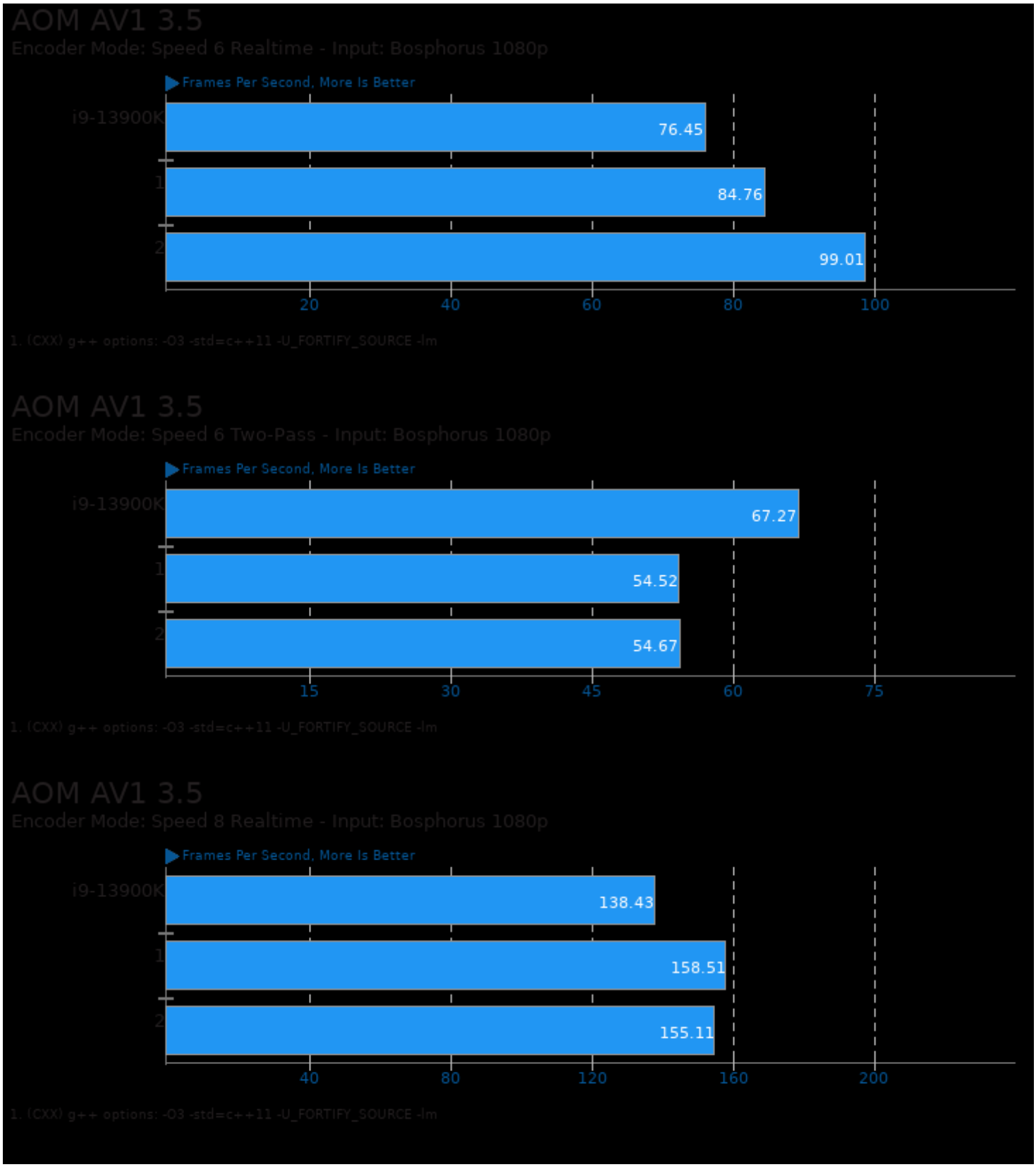
Raptor New Tests



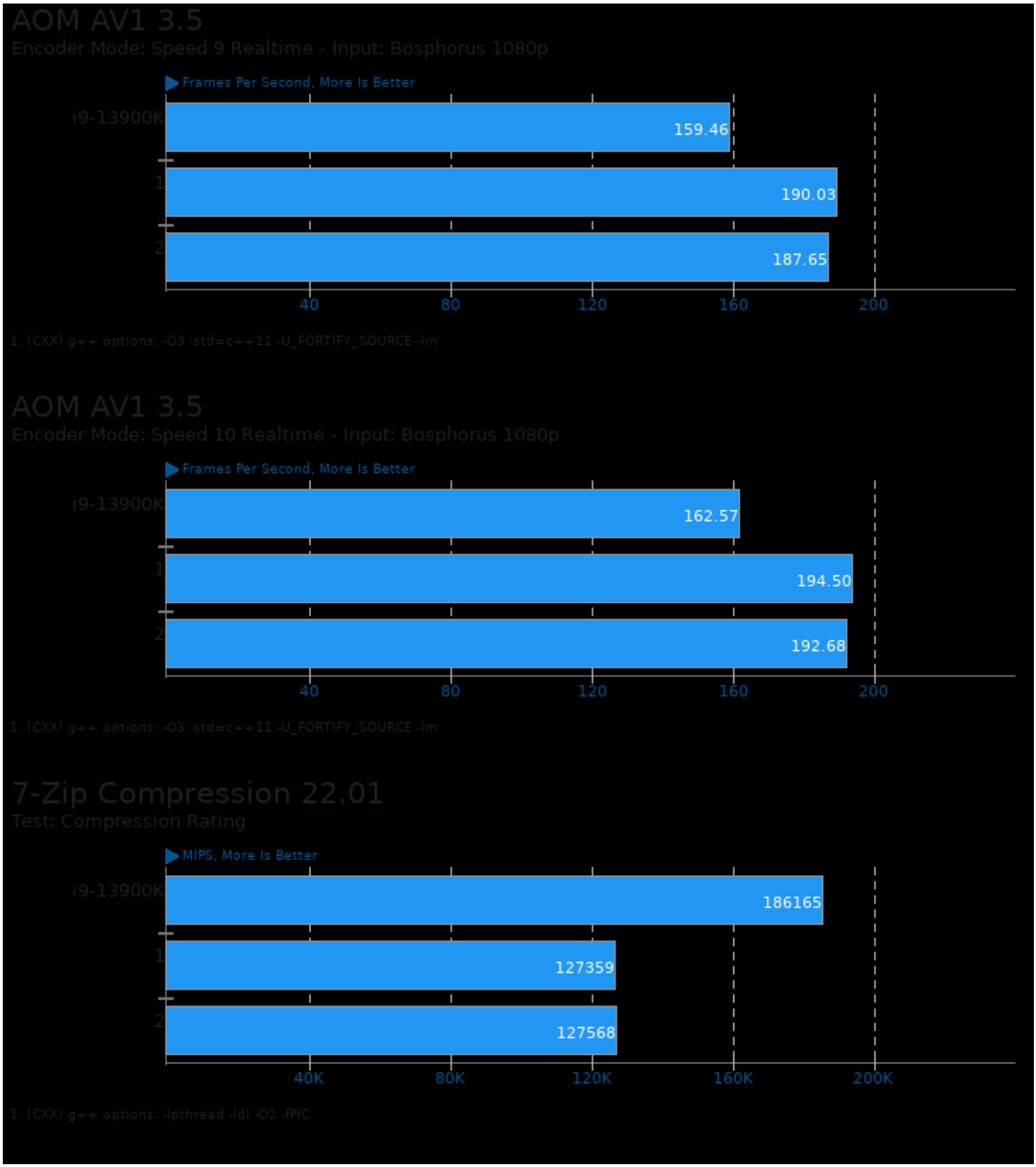

AOM AV1 3.5
Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 4K
Frames Per Second, More Is Better
i9-13900K
1
2
0.43
0.30
0.30
0.0968
0.1936
0.2904
0.3872
0.484
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 4 Two-Pass - Input: Bosphorus 4K
Frames Per Second, More Is Better
i9-13900K
1
2
12.10
9.34
9.36
3
6
9
12
15
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 6 Realtime - Input: Bosphorus 4K
Frames Per Second, More Is Better
i9-13900K
1
2
45.85
43.63
44.00
10
20
30
40
50
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm


AOM AV1 3.5
Encoder Mode: Speed 6 Two-Pass - Input: Bosphorus 4K
Frames Per Second, More Is Better
i9-13900K
1
2
21.66
17.64
17.65
5
10
15
20
25
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 8 Realtime - Input: Bosphorus 4K
Frames Per Second, More Is Better
i9-13900K
1
2
65.25
68.15
68.02
15
30
45
60
75
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 9 Realtime - Input: Bosphorus 4K
Frames Per Second, More Is Better
i9-13900K
1
2
86.59
92.00
91.91
20
40
60
80
100
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm

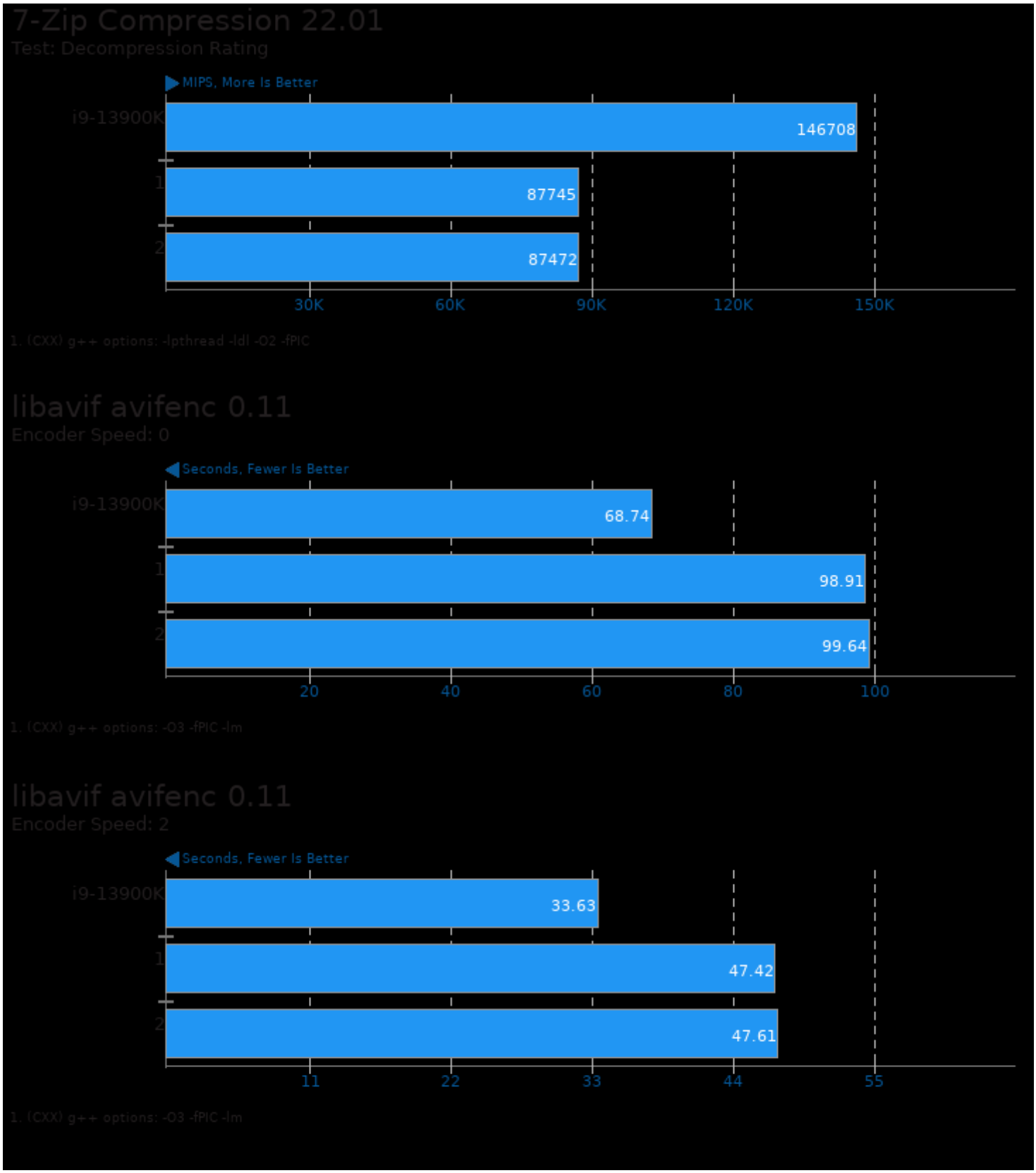

AOM AV1 3.5
Encoder Mode: Speed 10 Realtime - Input: Bosphorus 4K
Frames Per Second, More Is Better
i9-13900K
1
2
86.40
93.85
93.73
20
40
60
80
100
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 0 Two-Pass - Input: Bosphorus 1080p
Frames Per Second, More Is Better
i9-13900K
1
2
1.27
0.89
0.91
0.2858
0.5716
0.8574
1.1432
1.429
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 4 Two-Pass - Input: Bosphorus 1080p
Frames Per Second, More Is Better
i9-13900K
1
2
26.02
21.60
21.61
6
12
18
24
30
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm

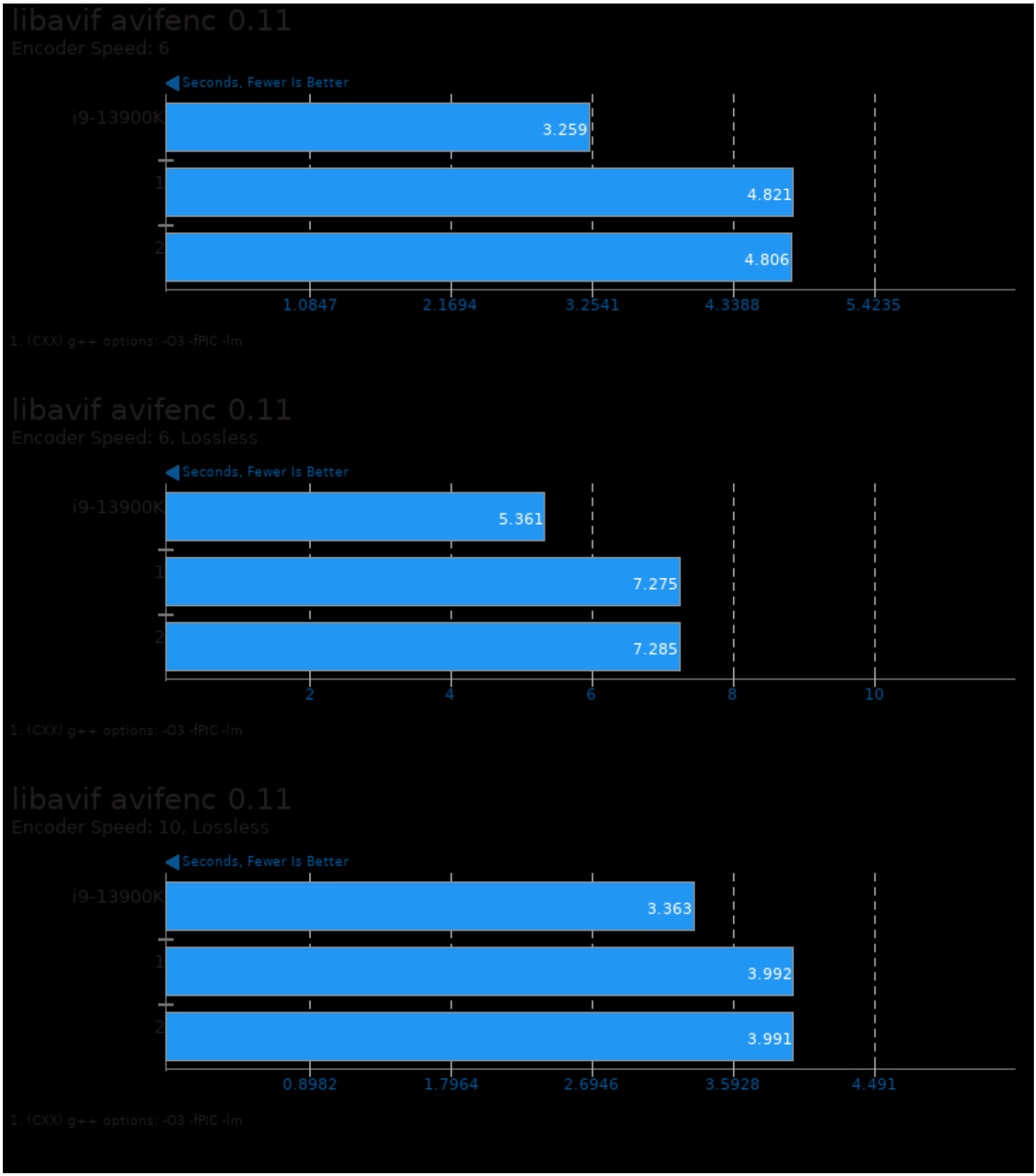

AOM AV1 3.5
Encoder Mode: Speed 6 Realtime - Input: Bosphorus 1080p
Frames Per Second, More Is Better
i9-13900K
1
2
76.45
84.76
99.01
20
40
60
80
100
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 6 Two-Pass - Input: Bosphorus 1080p
Frames Per Second, More Is Better
i9-13900K
1
2
67.27
54.52
54.67
15
30
45
60
75
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm
AOM AV1 3.5
Encoder Mode: Speed 8 Realtime - Input: Bosphorus 1080p
Frames Per Second, More Is Better
i9-13900K
1
2
138.43
158.51
155.11
40
80
120
160
200
1. (CXX) g++ options: -O3 -std=c++11 -U_FORTIFY_SOURCE -lm

Raptor New Tests

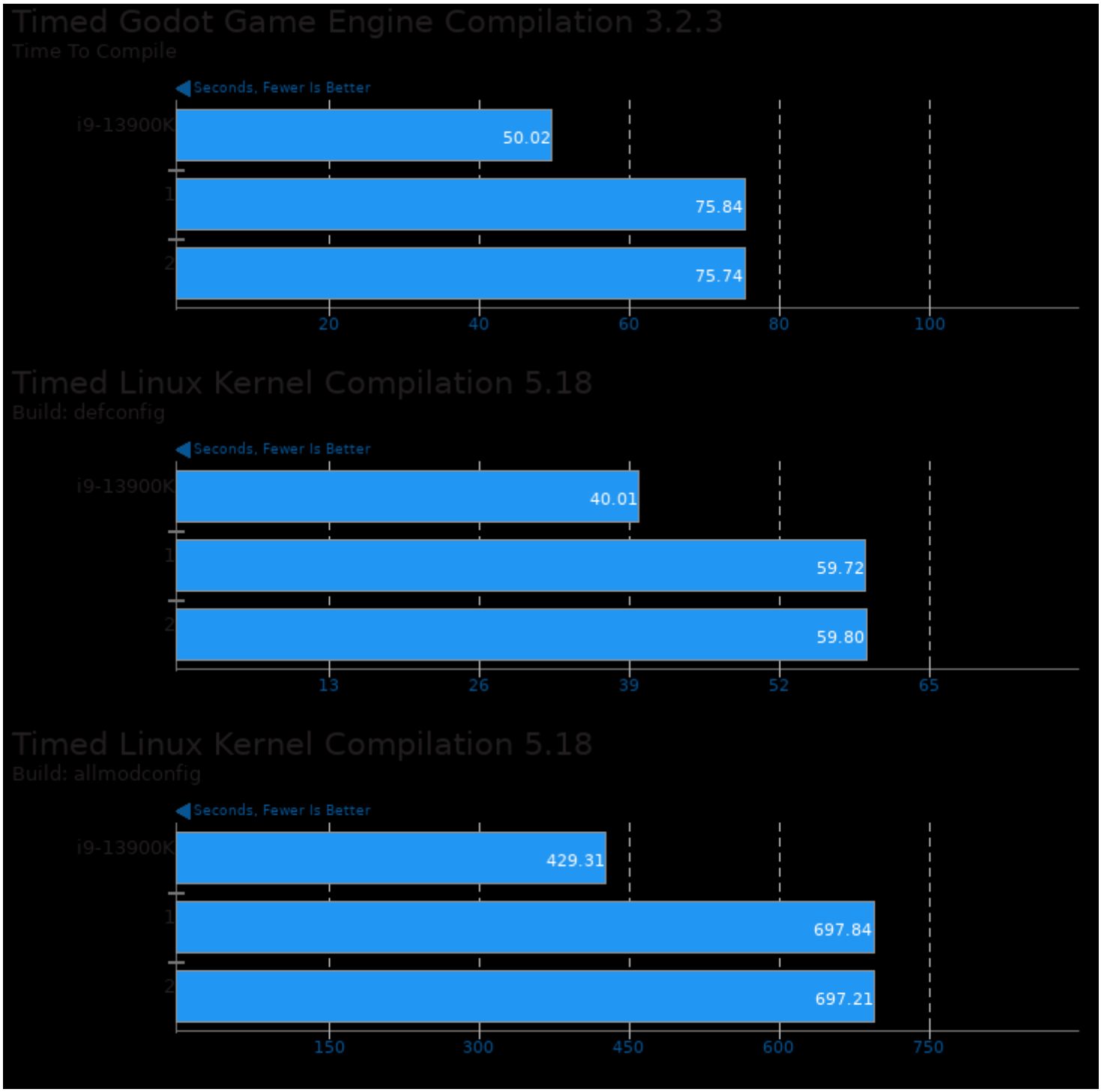


Raptor New Tests

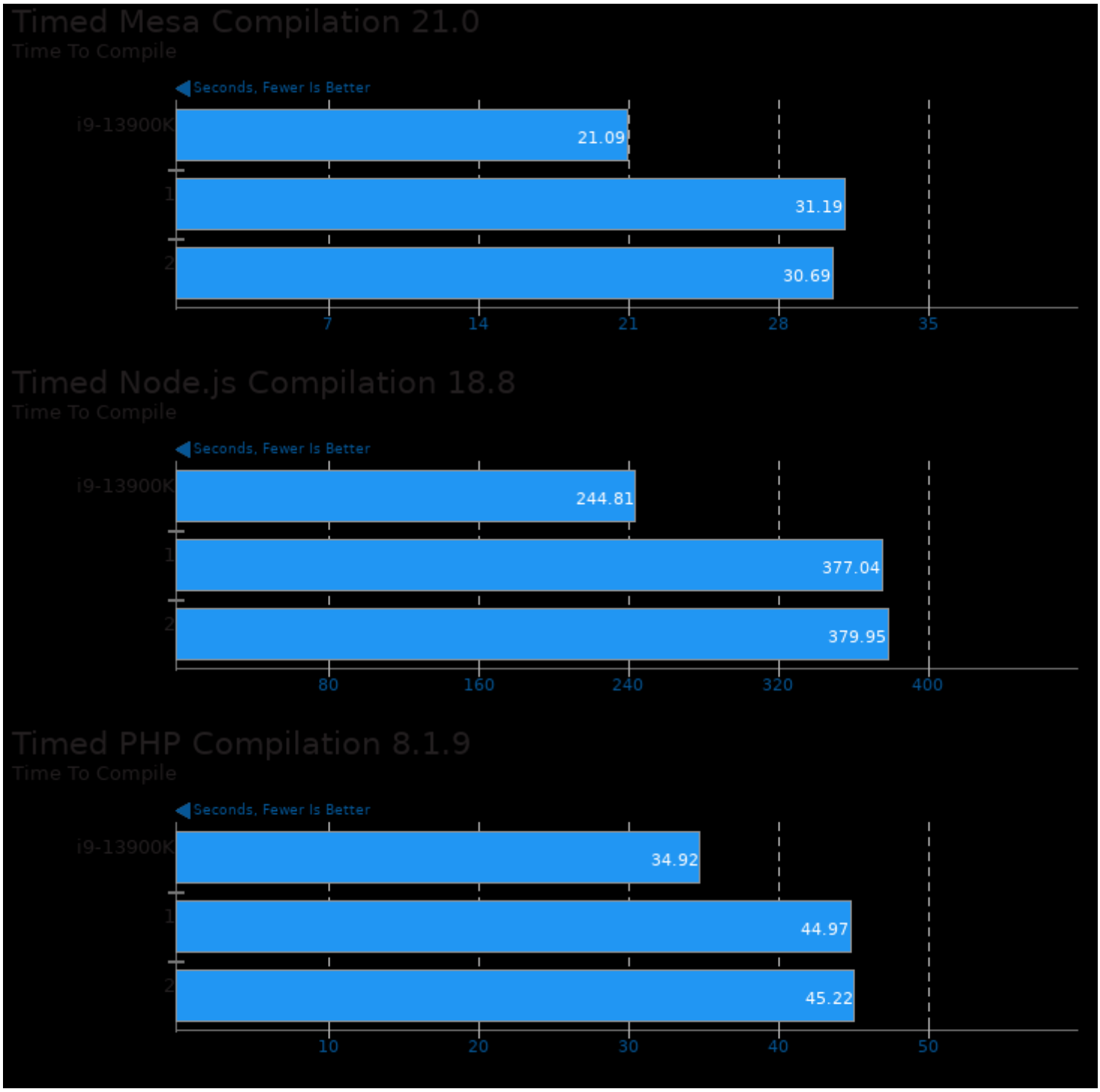


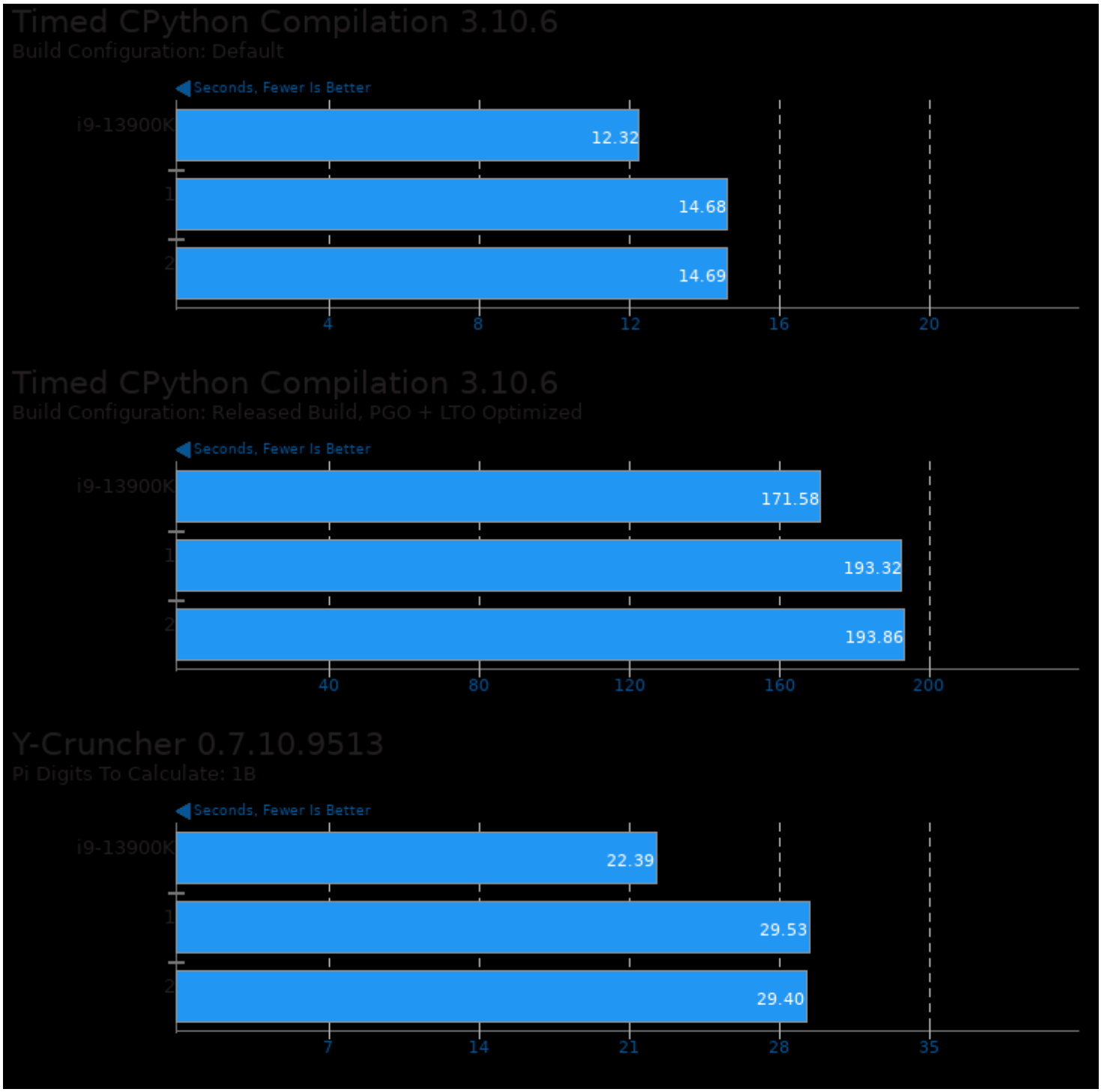

libavif avifenc 0.11
Encoder Speed: 6
Seconds, Fewer Is Better
i9-13900K
3.259
4.821
4.806
1.0847
2.1694
3.2541
4.3388
5.4235
1. (CXX) g++ options: -O3 -fPIC -lm
libavif avifenc 0.11
Encoder Speed: 6, Lossless
Seconds, Fewer Is Better
i9-13900K
5.361
7.275
7.285
2
4
6
8
10
1. (CXX) g++ options: -O3 -fPIC -lm
libavif avifenc 0.11
Encoder Speed: 10, Lossless
Seconds, Fewer Is Better
i9-13900K
3.363
3.992
3.991
0.8982
1.7964
2.6946
3.5928
4.491
1. (CXX) g++ options: -O3 -fPIC -lm

Raptor New Tests

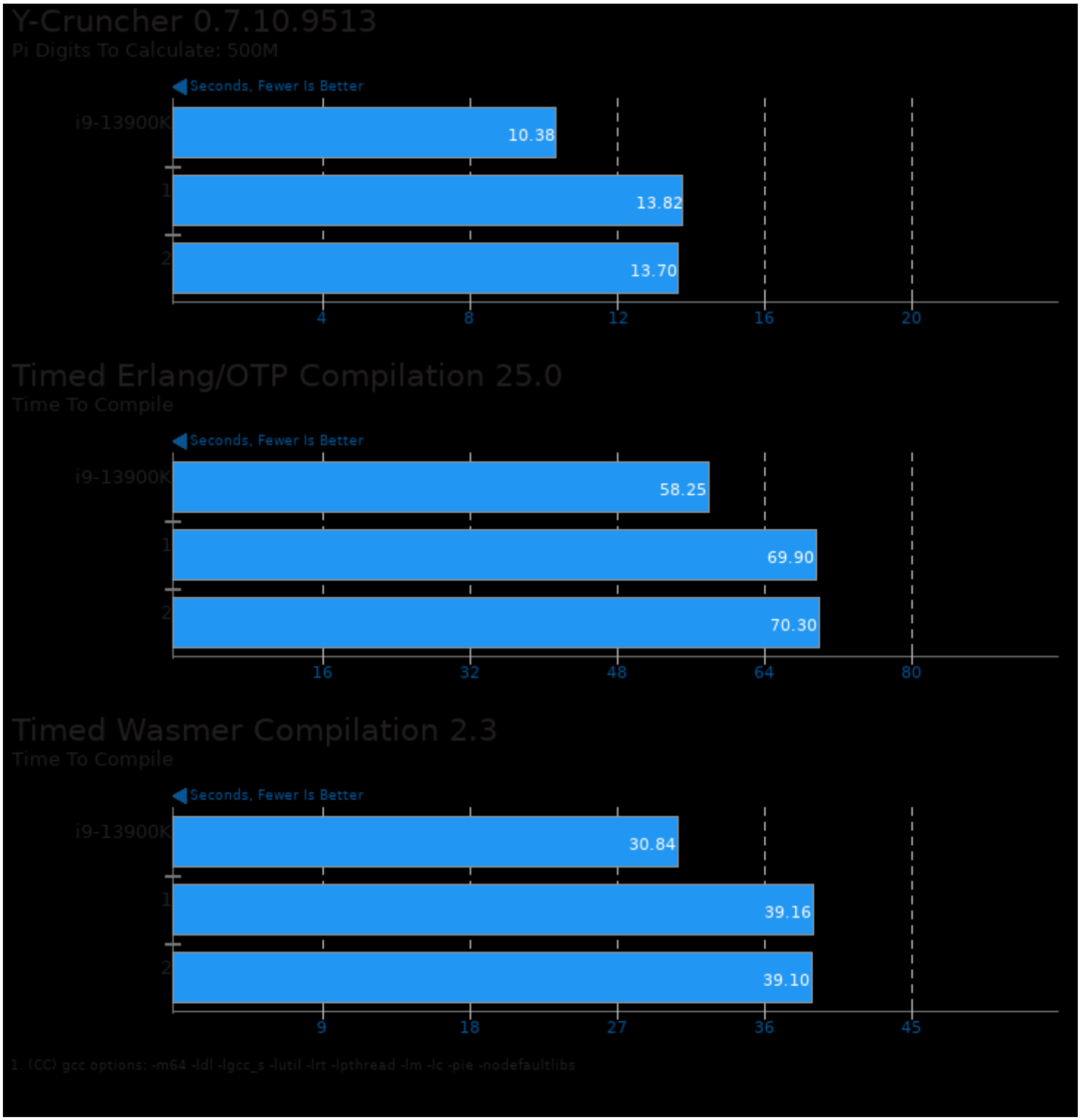


Raptor New Tests

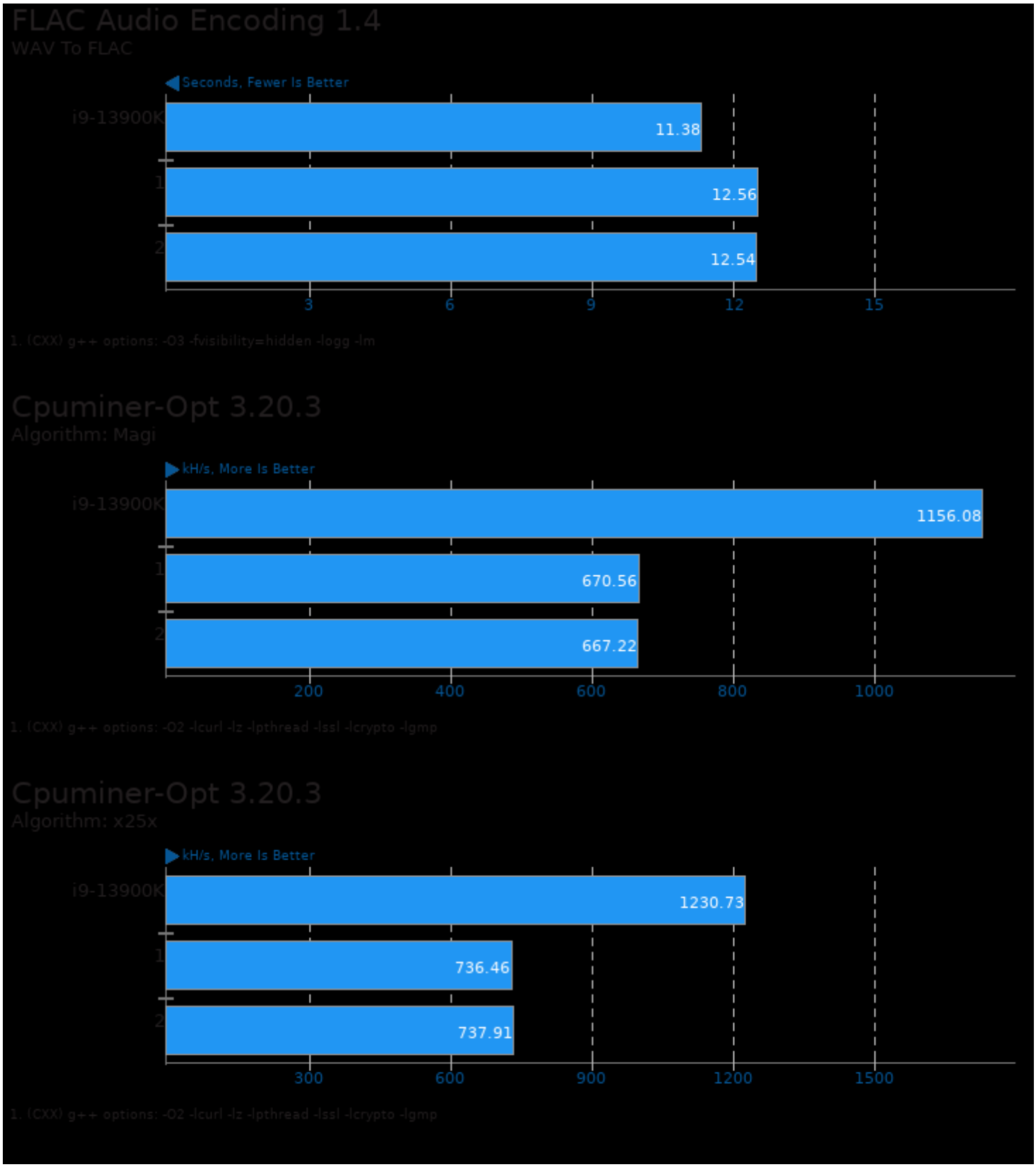



Timed CPython Compilation 3.10.6
Build Configuration: Default
Seconds, Fewer Is Better
i9-13900K
12.32
14.68
14.69
4
8
12
16
20
Timed CPython Compilation 3.10.6
Build Configuration: Released Build, PGO + LTO Optimized
Seconds, Fewer Is Better
i9-13900K
171.58
193.32
193.86
40
80
120
160
200
Y-Cruncher 0.7.10.9513
Pi Digits To Calculate: 1B
Seconds, Fewer Is Better
i9-13900K
22.39
29.53
29.40
7
14
21
28
35

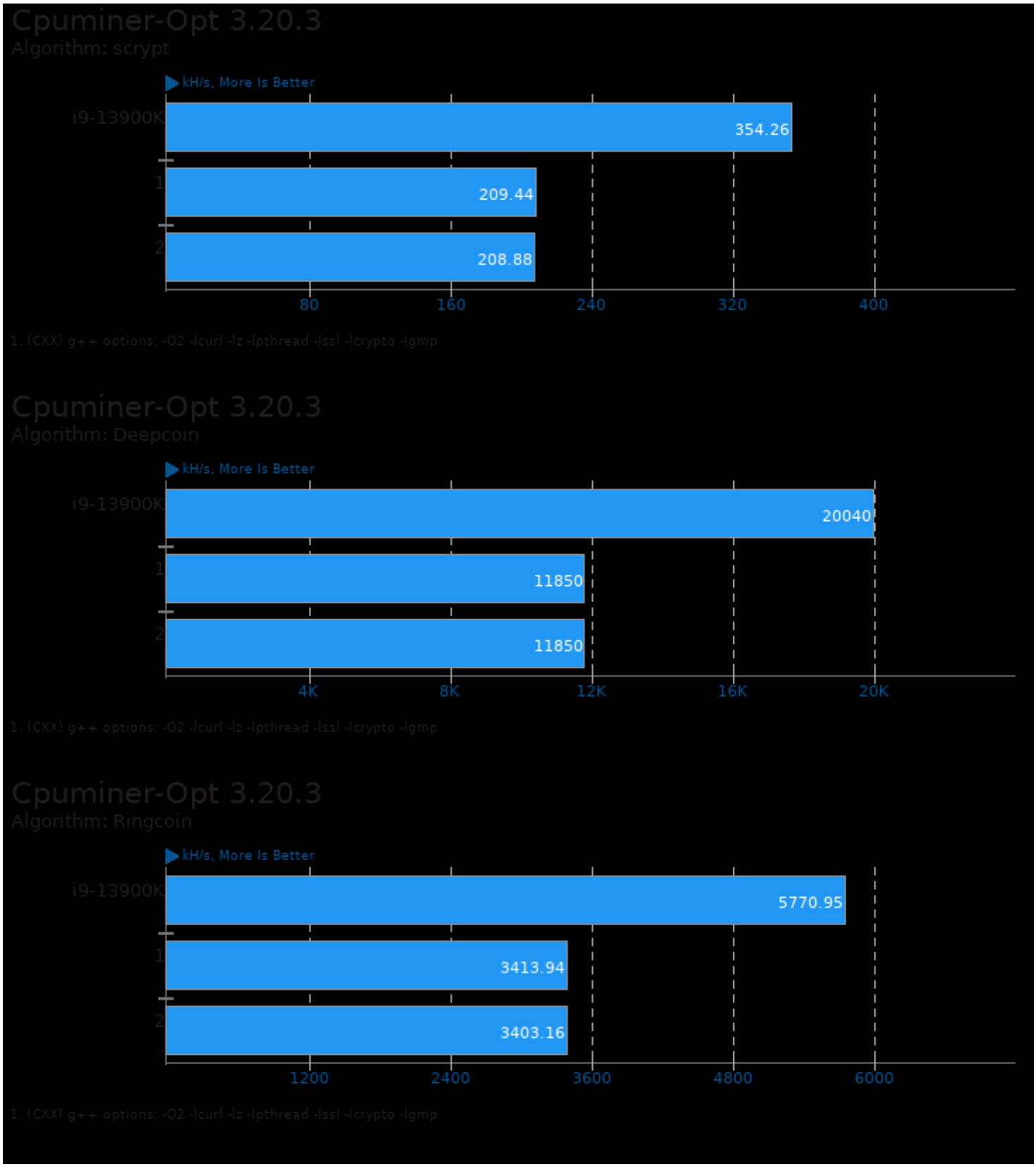
Raptor New Tests

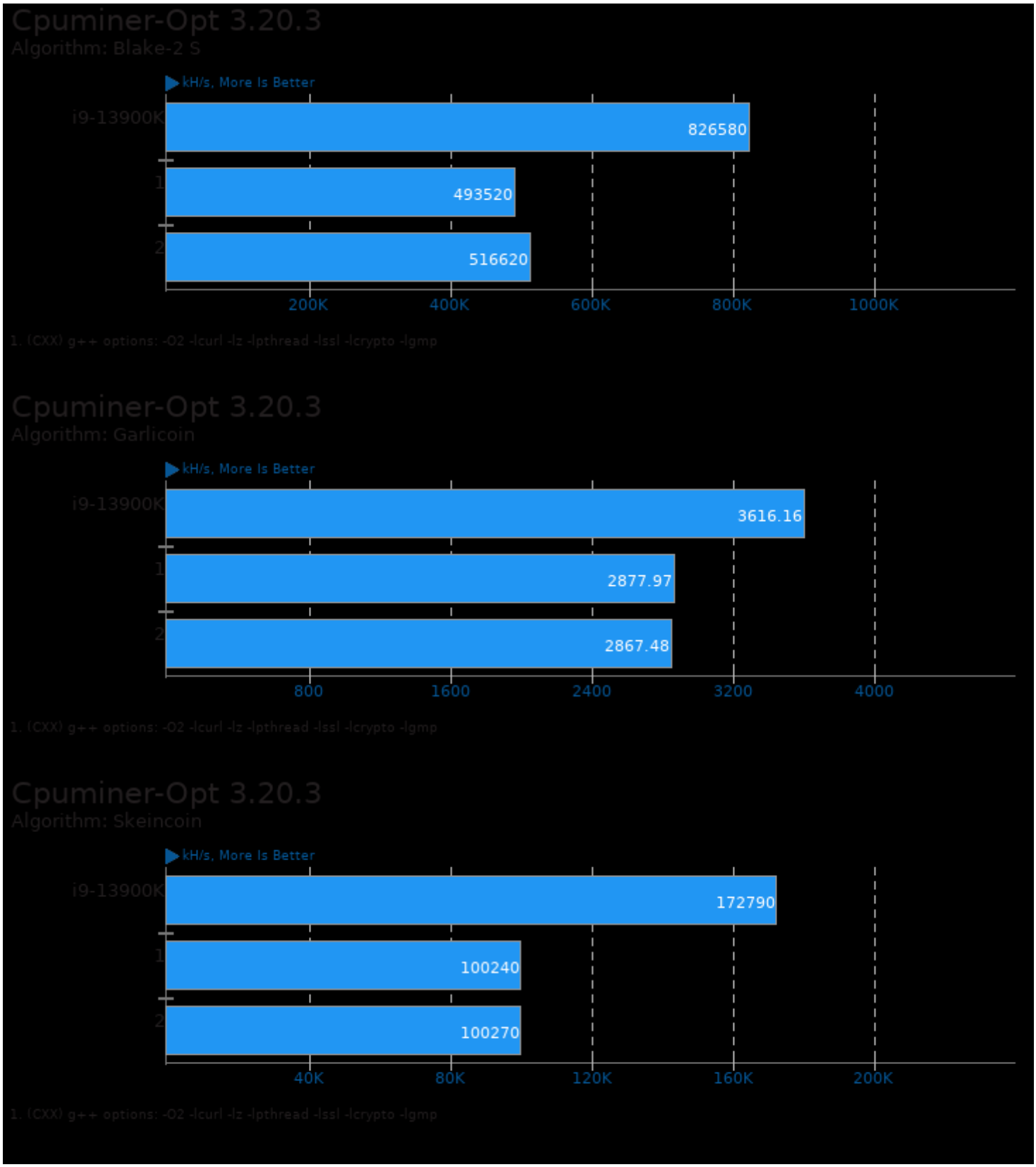


Raptor New Tests

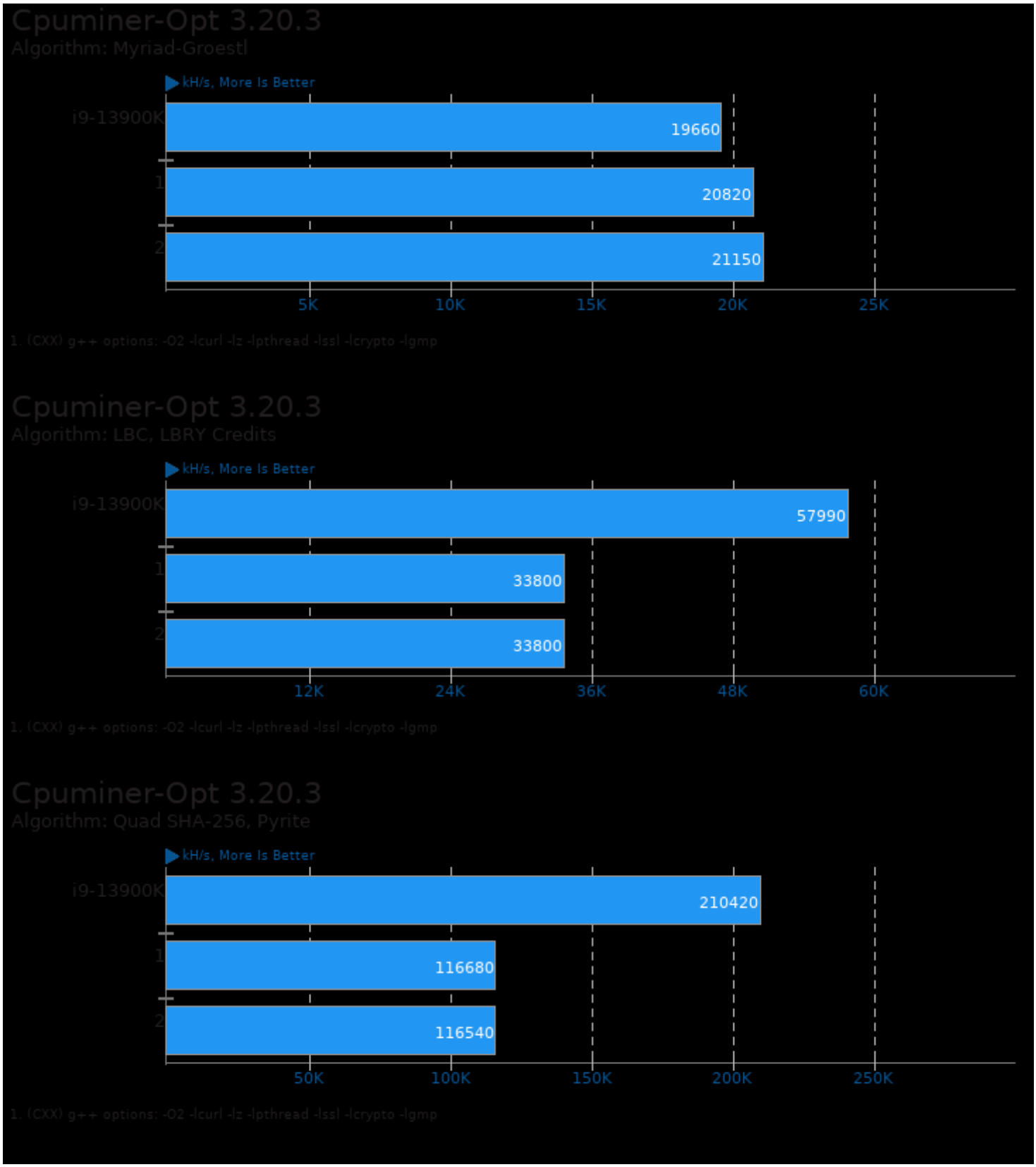


Raptor New Tests




Cpuminer-Opt 3.20.3
Algorithm: Blake-2 S
kH/s, More Is Better
i9-13900K
826580
493520
516620
200K
400K
600K
800K
1000K
1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp
Cpuminer-Opt 3.20.3
Algorithm: Garlicoin
kH/s, More Is Better
i9-13900K
3616.16
2877.97
2867.48
800
1600
2400
3200
4000
1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp
Cpuminer-Opt 3.20.3
Algorithm: Skeincoin
kH/s, More Is Better
i9-13900K
172790
100240
100270
40K
80K
120K
160K
200K
1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

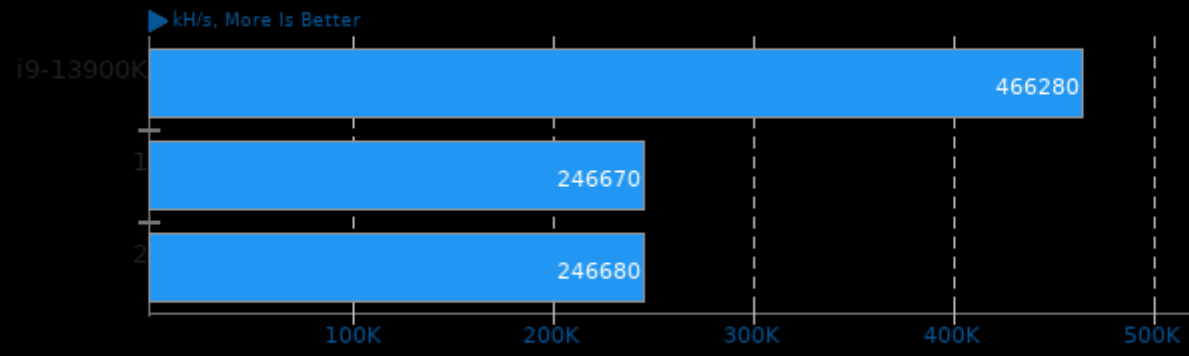
Raptor New Tests



Raptor New Tests

Cpuminer-Opt 3.20.3

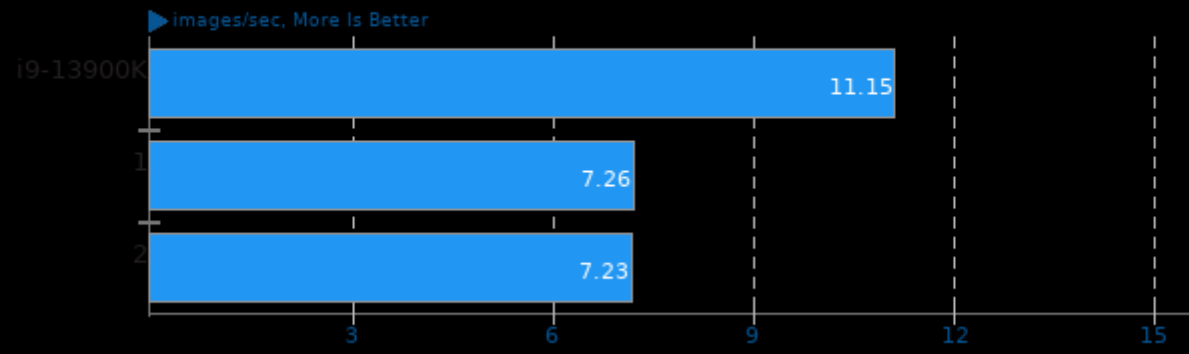
Algorithm: Triple SHA-256, Onecoin



1. (CXX) g++ options: -O2 -lcurl -lz -lpthread -lssl -lcrypto -lgmp

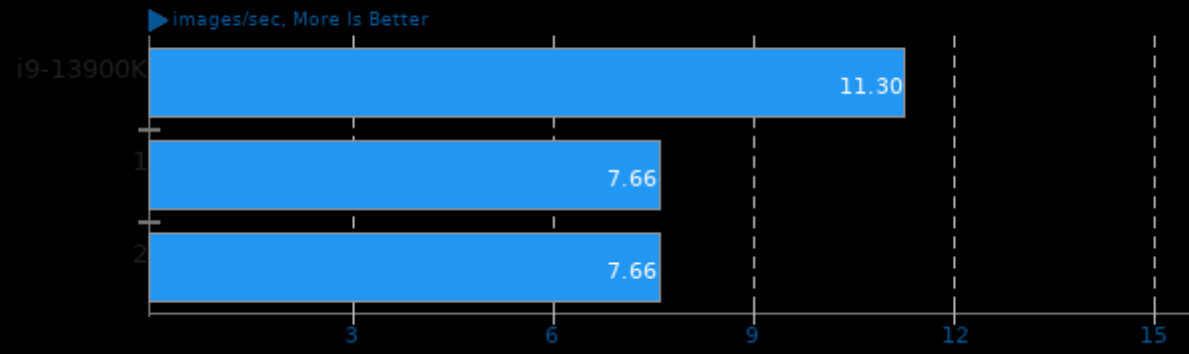
TensorFlow 2.10

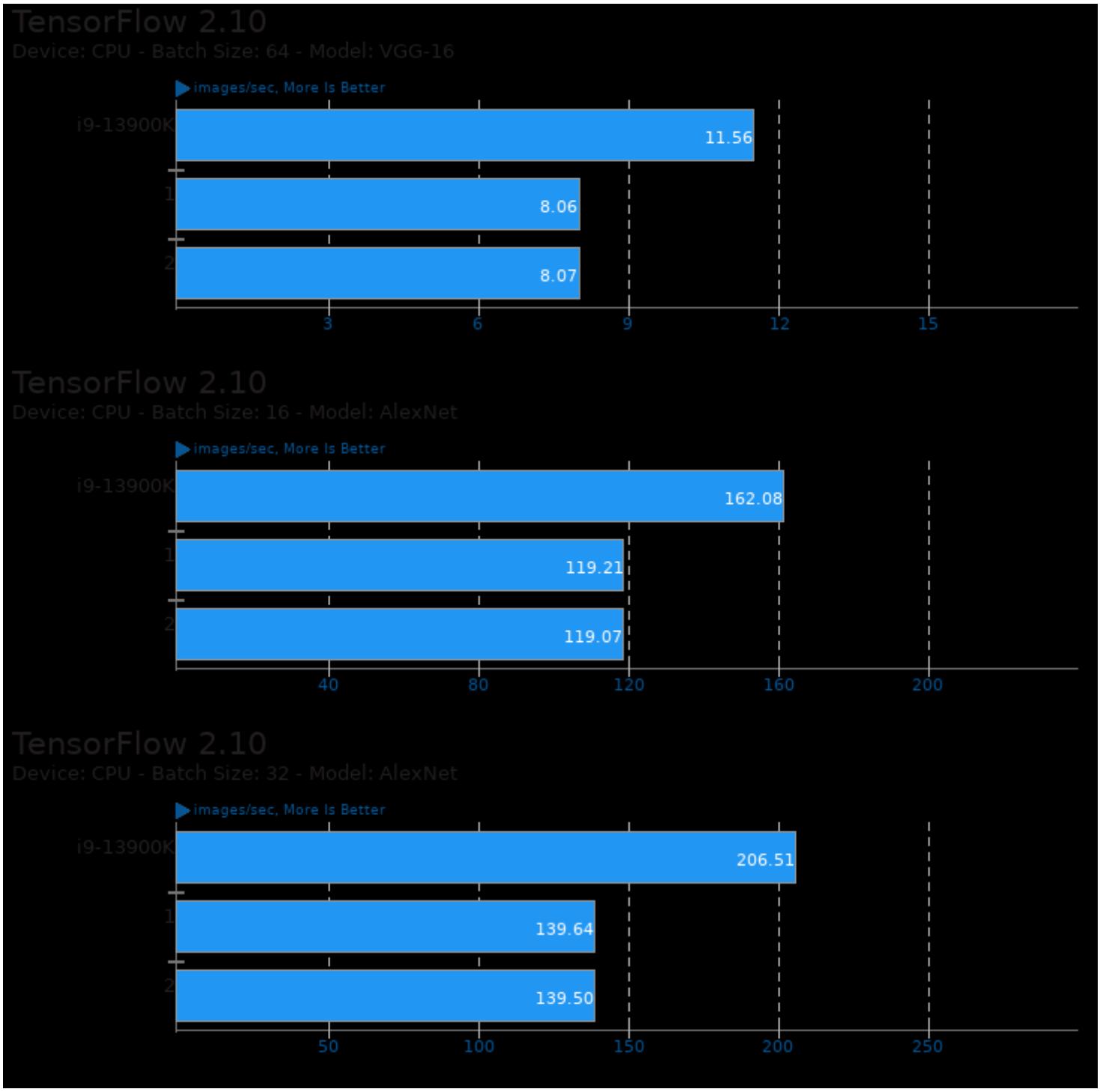
Device: CPU - Batch Size: 16 - Model: VGG-16



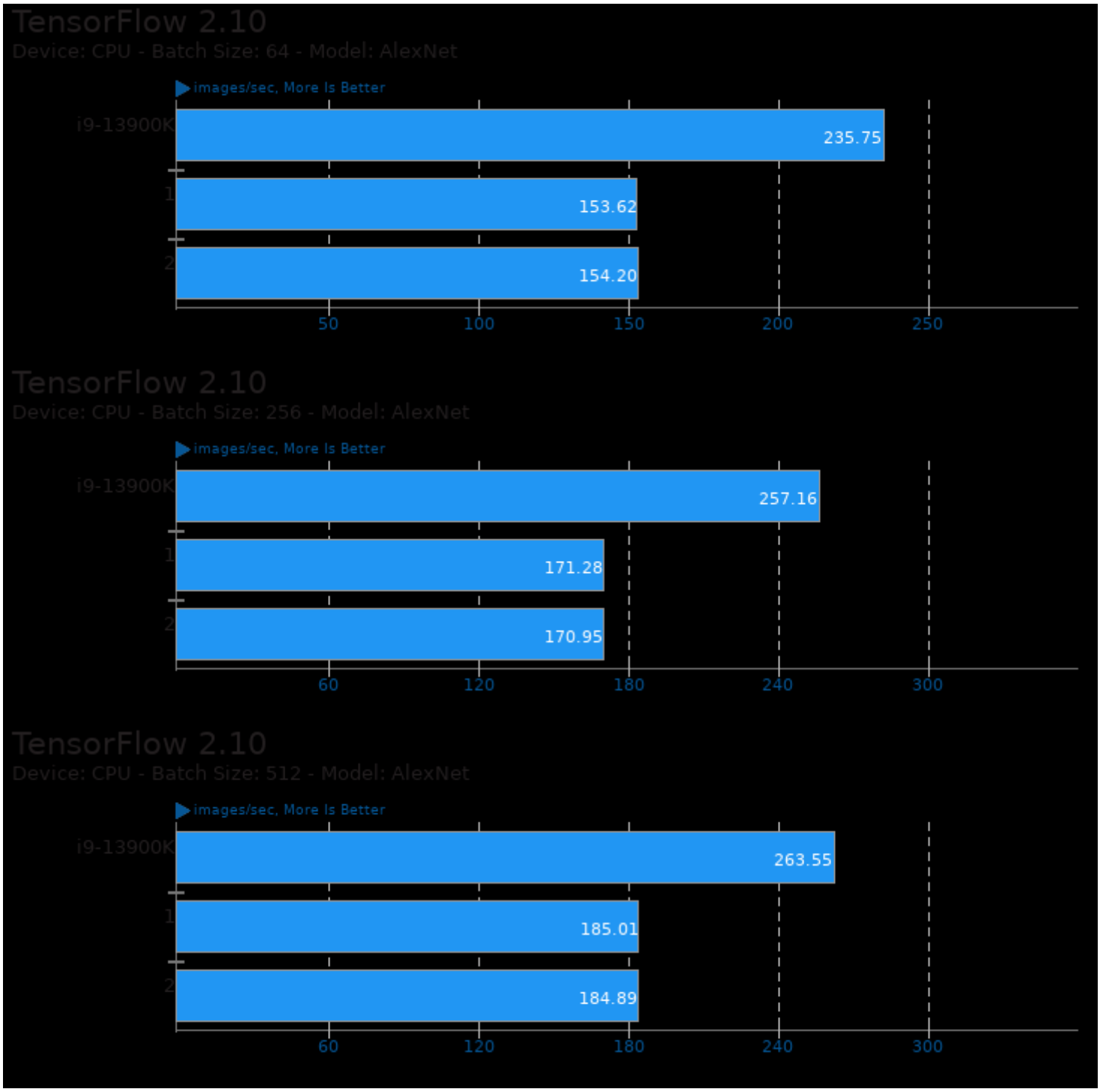
TensorFlow 2.10

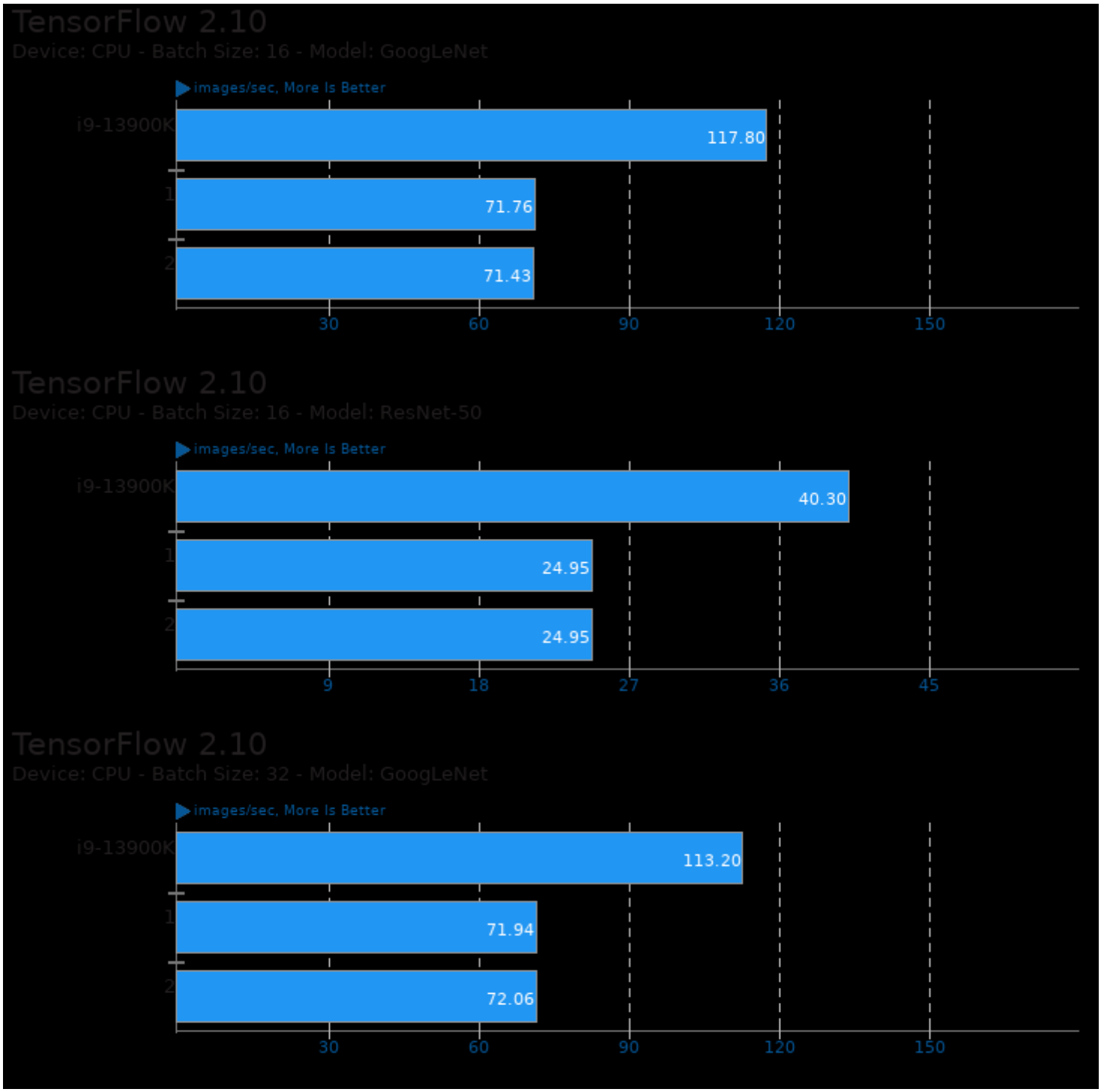
Device: CPU - Batch Size: 32 - Model: VGG-16



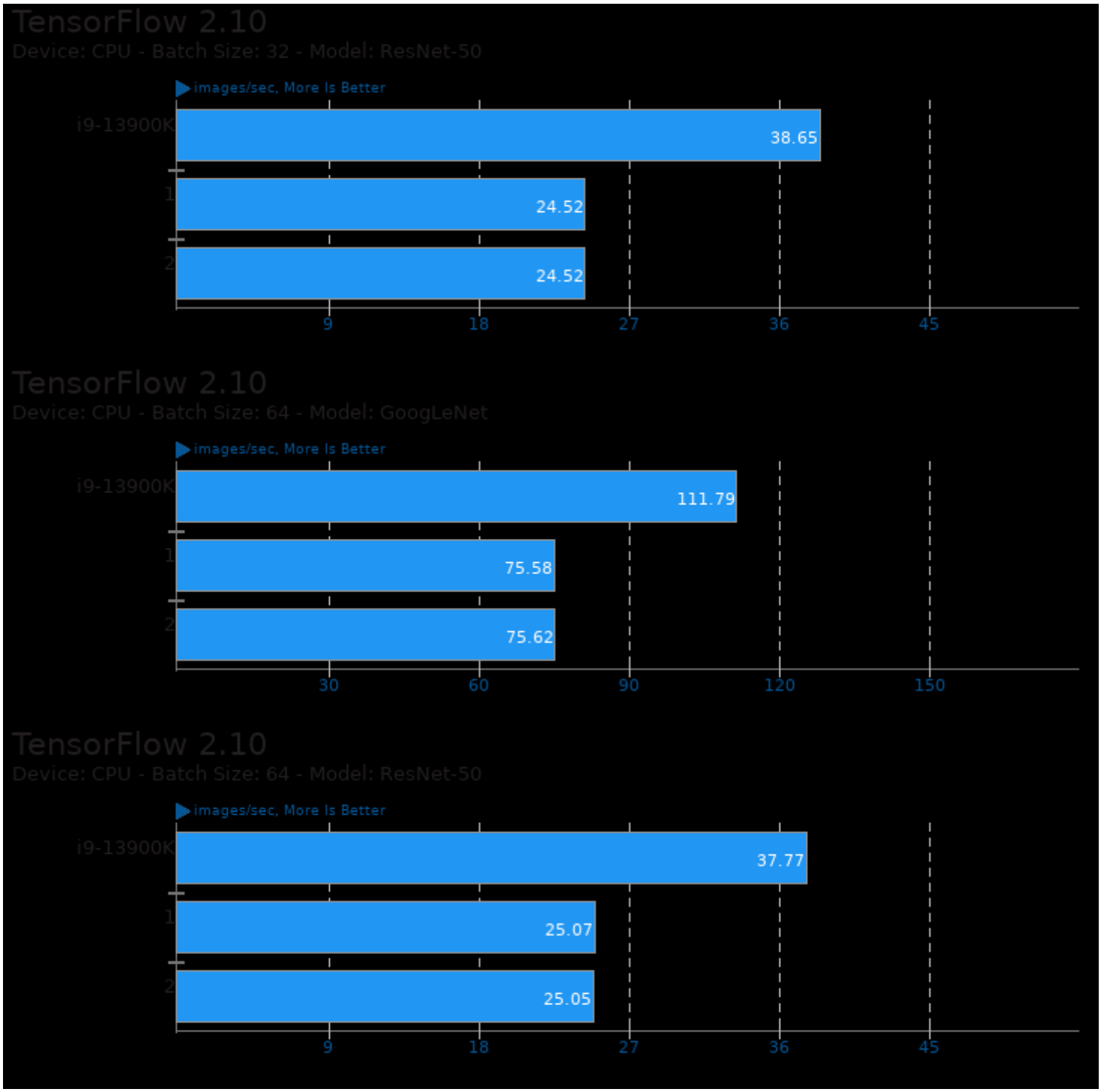

TensorFlow 2.10
Device: CPU - Batch Size: 64 - Model: VGG-16
images/sec, More Is Better
i9-13900K
11.56
8.06
8.07
3
6
9
12
15
TensorFlow 2.10
Device: CPU - Batch Size: 16 - Model: AlexNet
images/sec, More Is Better
i9-13900K
162.08
119.21
119.07
40
80
120
160
200
TensorFlow 2.10
Device: CPU - Batch Size: 32 - Model: AlexNet
images/sec, More Is Better
i9-13900K
206.51
139.64
139.50
50
100
150
200
250

Raptor New Tests

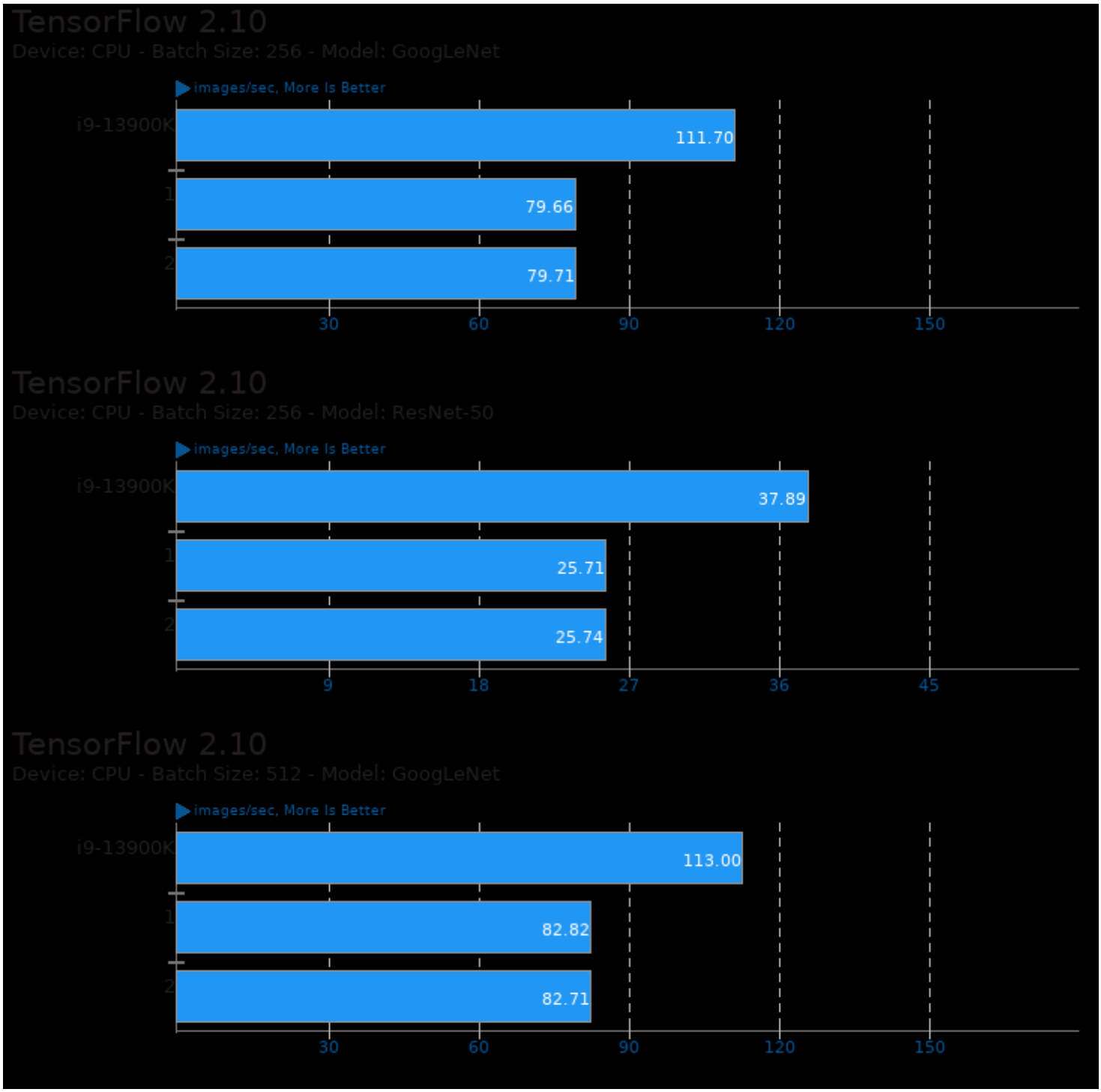



TensorFlow 2.10
Device: CPU - Batch Size: 16 - Model: GoogLeNet
images/sec, More Is Better
i9-13900K
117.80
71.76
71.43
30
60
90
120
150
TensorFlow 2.10
Device: CPU - Batch Size: 16 - Model: ResNet-50
images/sec, More Is Better
i9-13900K
40.30
24.95
24.95
9
18
27
36
45
TensorFlow 2.10
Device: CPU - Batch Size: 32 - Model: GoogLeNet
images/sec, More Is Better
i9-13900K
113.20
71.94
72.06
30
60
90
120
150

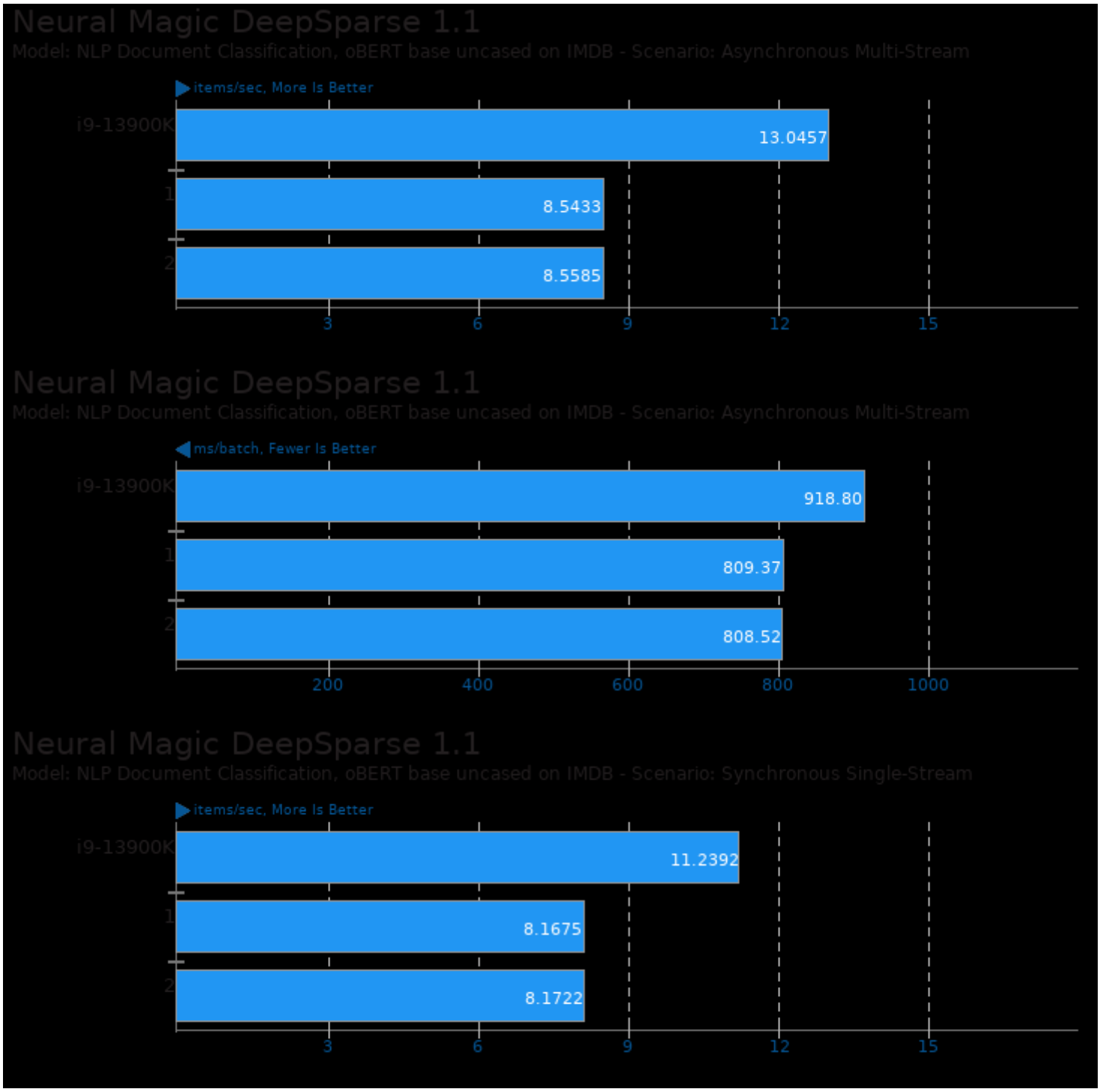
Raptor New Tests

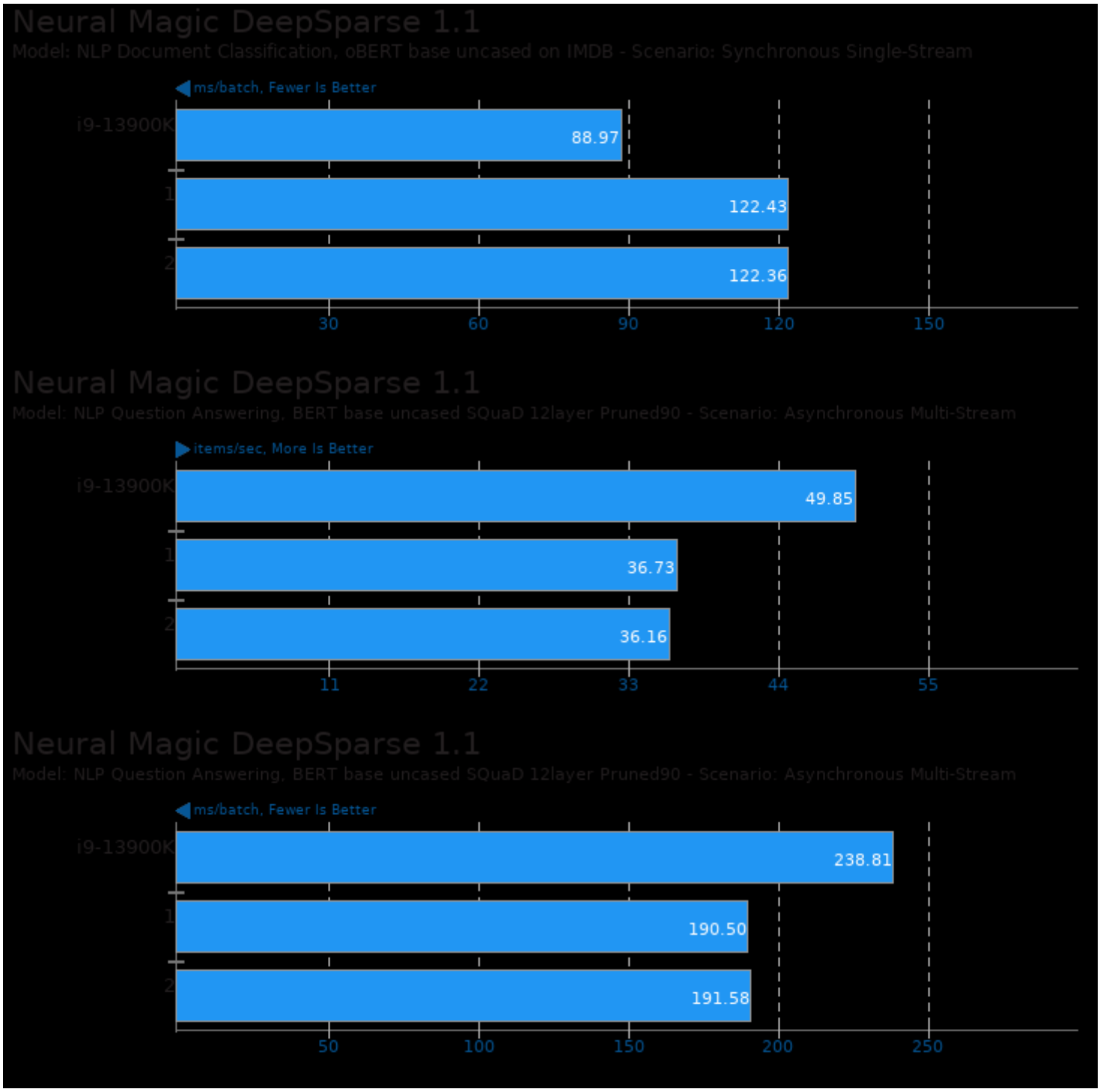


Raptor New Tests

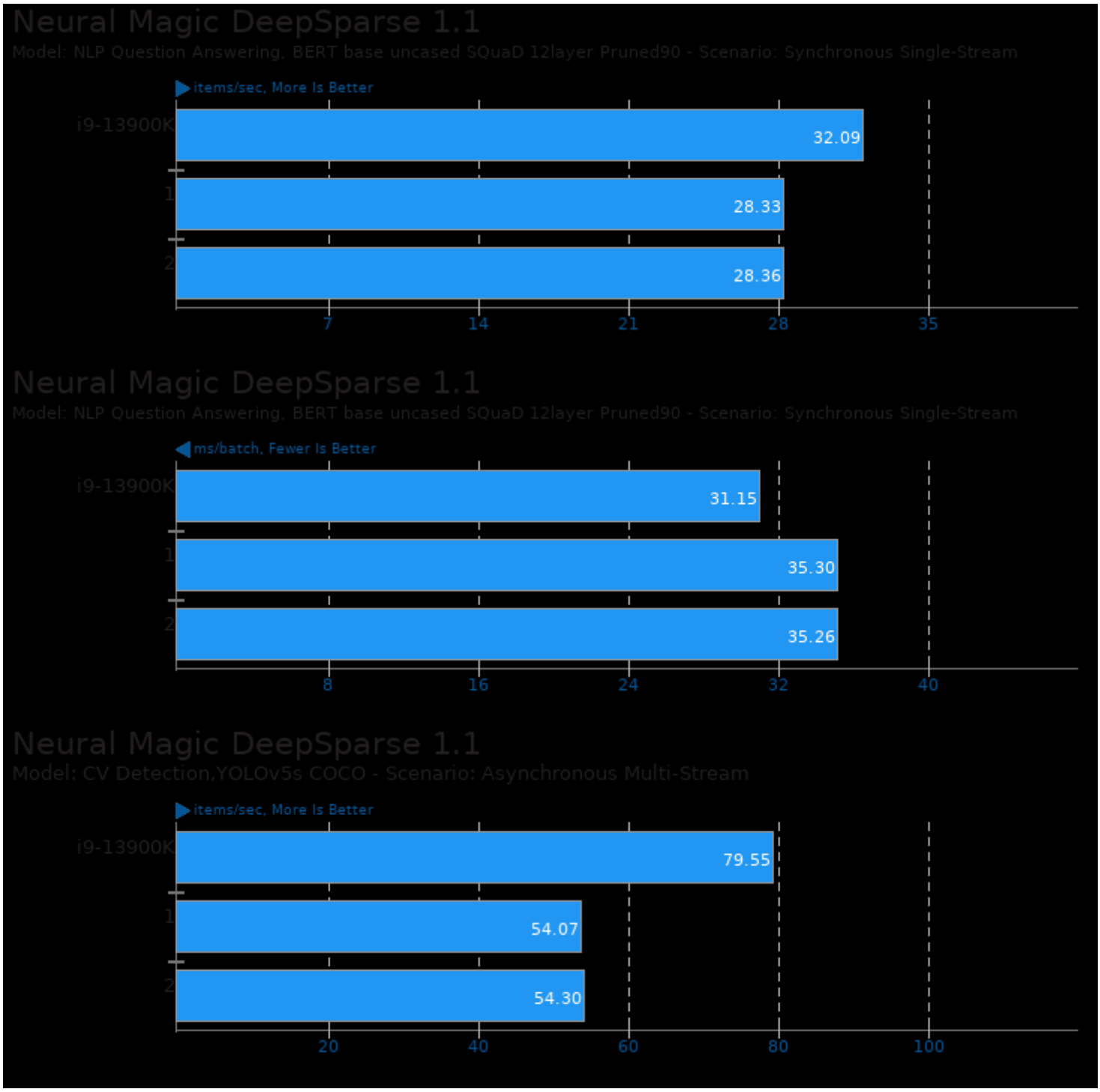


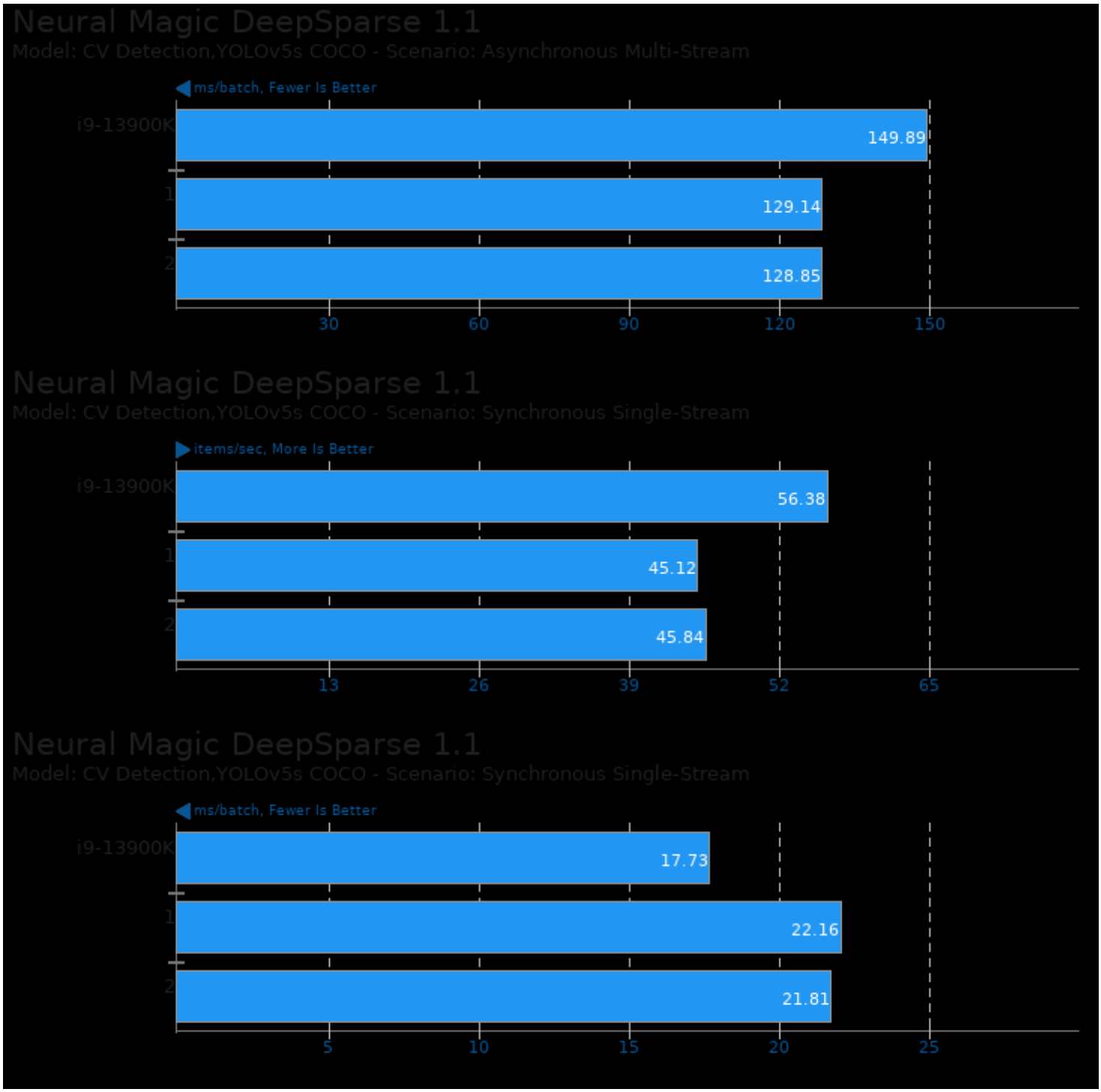
Raptor New Tests

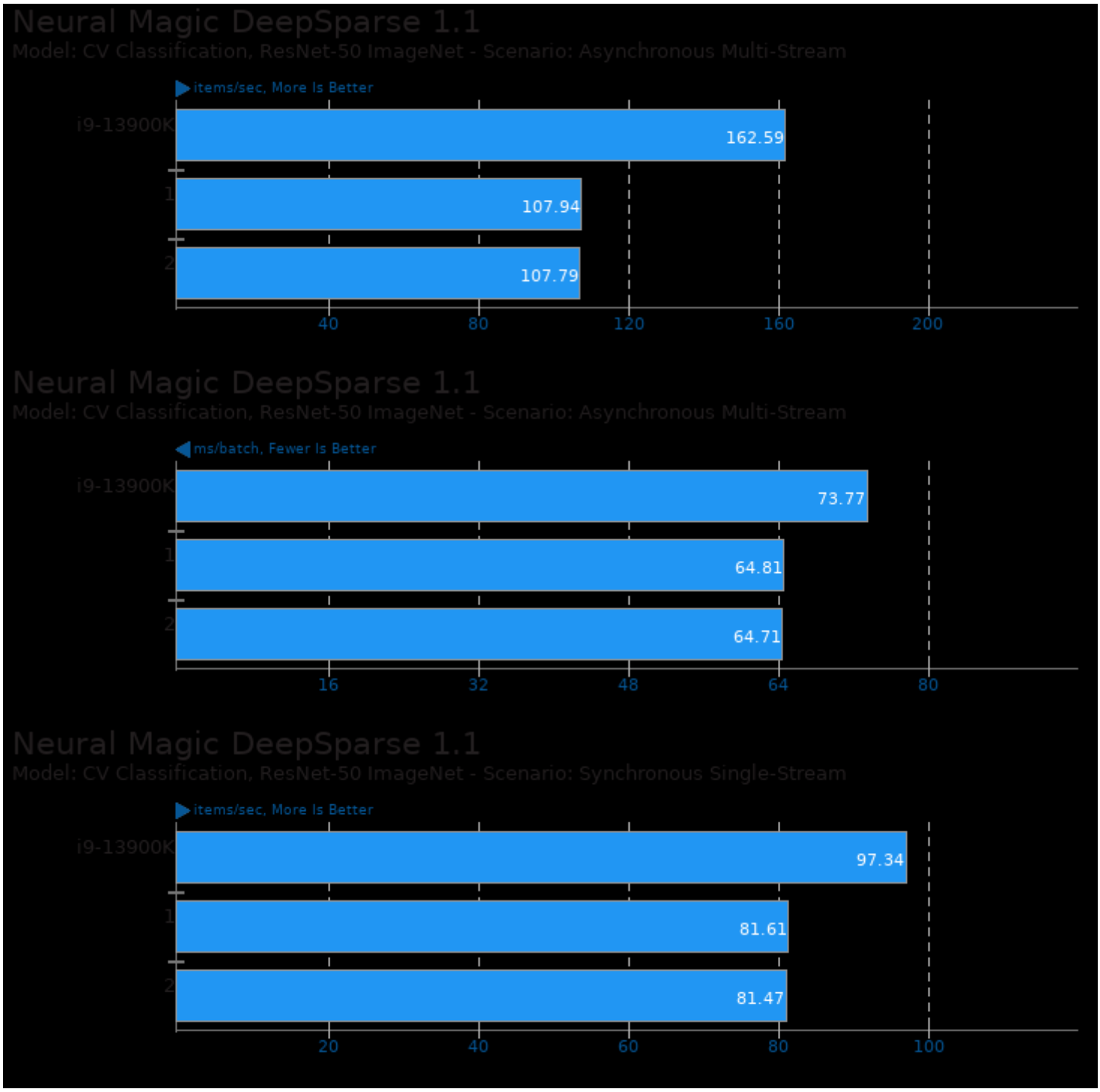



Neural Magic DeepSparse 1.1
Model: NLP Document Classification, oBERT base uncased on IMDB - Scenario: Synchronous Single-Stream
ms/batch, Fewer Is Better
i9-13900K
88.97
122.43
122.36
30
60
90
120
150
Neural Magic DeepSparse 1.1
Model: NLP Question Answering, BERT base uncased SQuaD 12layer Pruned90 - Scenario: Asynchronous Multi-Stream
items/sec, More Is Better
i9-13900K
49.85
36.73
36.16
11
22
33
44
55
Neural Magic DeepSparse 1.1
Model: NLP Question Answering, BERT base uncased SQuaD 12layer Pruned90 - Scenario: Asynchronous Multi-Stream
ms/batch, Fewer Is Better
i9-13900K
238.81
190.50
191.58
50
100
150
200
250

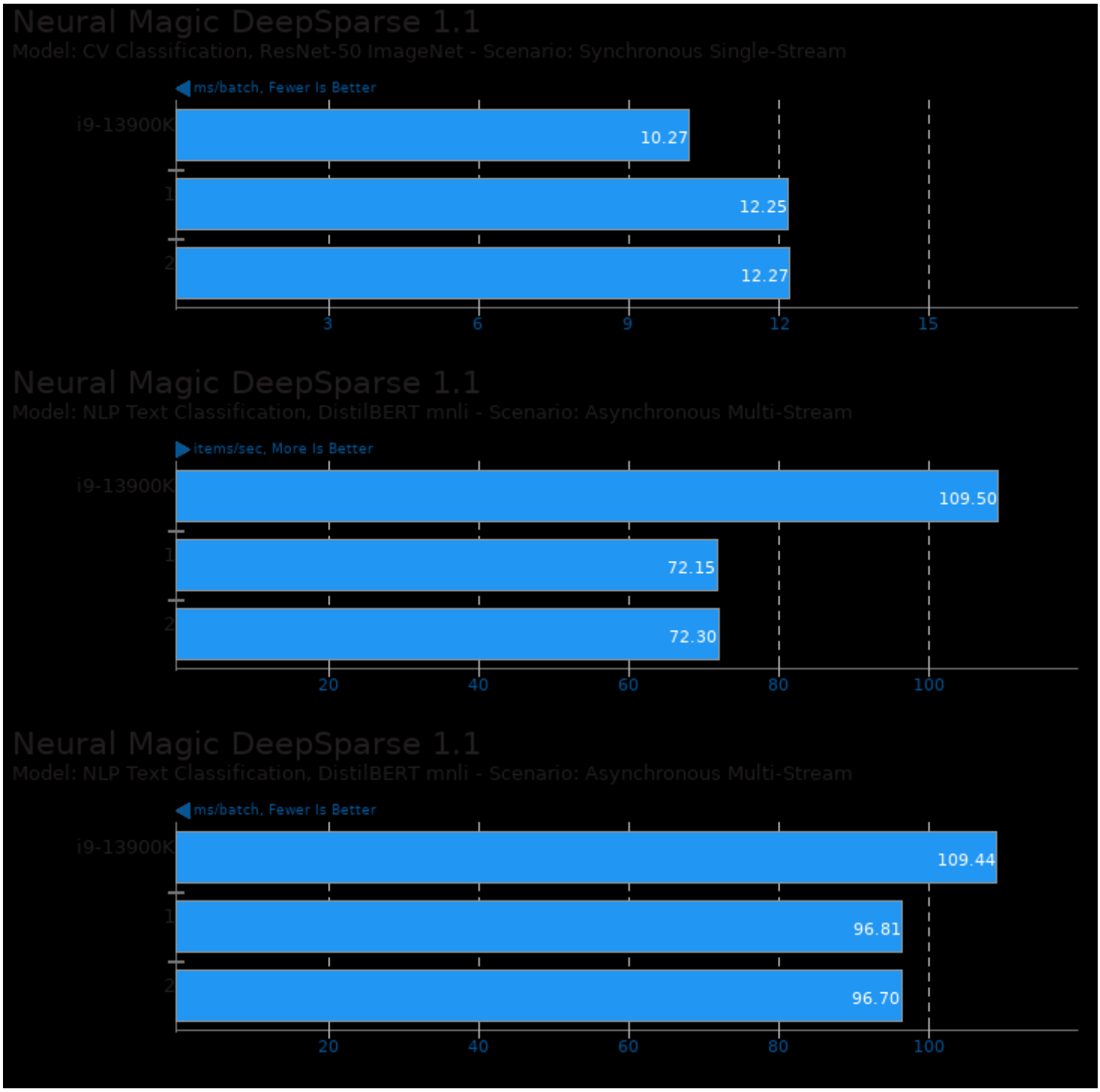
Raptor New Tests



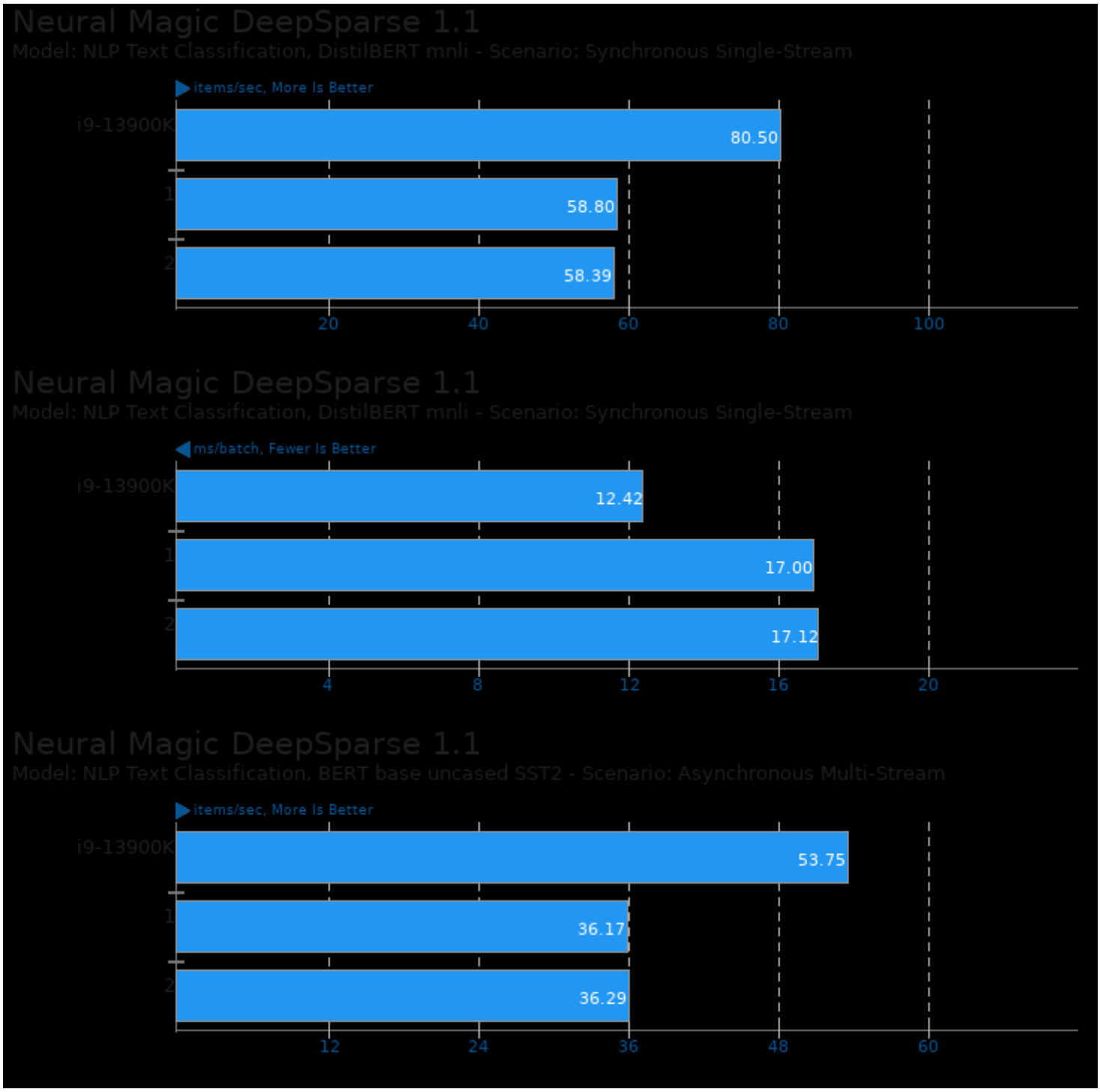

Neural Magic DeepSparse 1.1
Model: CV Detection,YOLOv5s COCO - Scenario: Asynchronous Multi-Stream
ms/batch, Fewer Is Better
i9-13900K
149.89
129.14
128.85
30
60
90
120
150
Neural Magic DeepSparse 1.1
Model: CV Detection,YOLOv5s COCO - Scenario: Synchronous Single-Stream
items/sec, More Is Better
i9-13900K
56.38
45.12
45.84
13
26
39
52
65
Neural Magic DeepSparse 1.1
Model: CV Detection,YOLOv5s COCO - Scenario: Synchronous Single-Stream
ms/batch, Fewer Is Better
i9-13900K
17.73
22.16
21.81
5
10
15
20
25


Neural Magic DeepSparse 1.1
Model: CV Classification, ResNet-50 ImageNet - Scenario: Asynchronous Multi-Stream
items/sec, More Is Better
i9-13900K
1
2
162.59
107.94
107.79
40
80
120
160
200
Neural Magic DeepSparse 1.1
Model: CV Classification, ResNet-50 ImageNet - Scenario: Asynchronous Multi-Stream
ms/batch, Fewer Is Better
i9-13900K
1
2
73.77
64.81
64.71
16
32
48
64
80
Neural Magic DeepSparse 1.1
Model: CV Classification, ResNet-50 ImageNet - Scenario: Synchronous Single-Stream
items/sec, More Is Better
i9-13900K
1
2
97.34
81.61
81.47
20
40
60
80
100

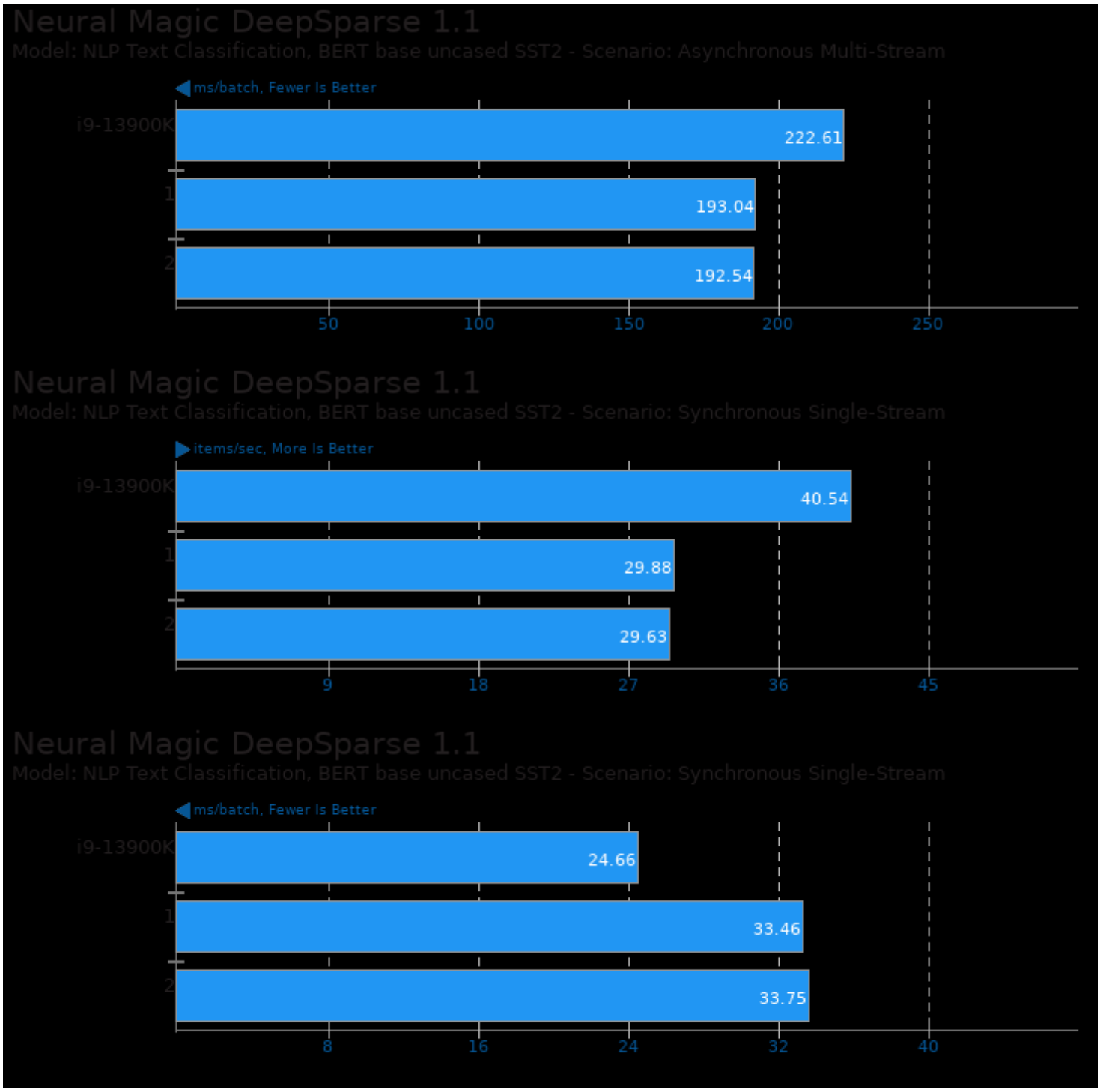
Raptor New Tests



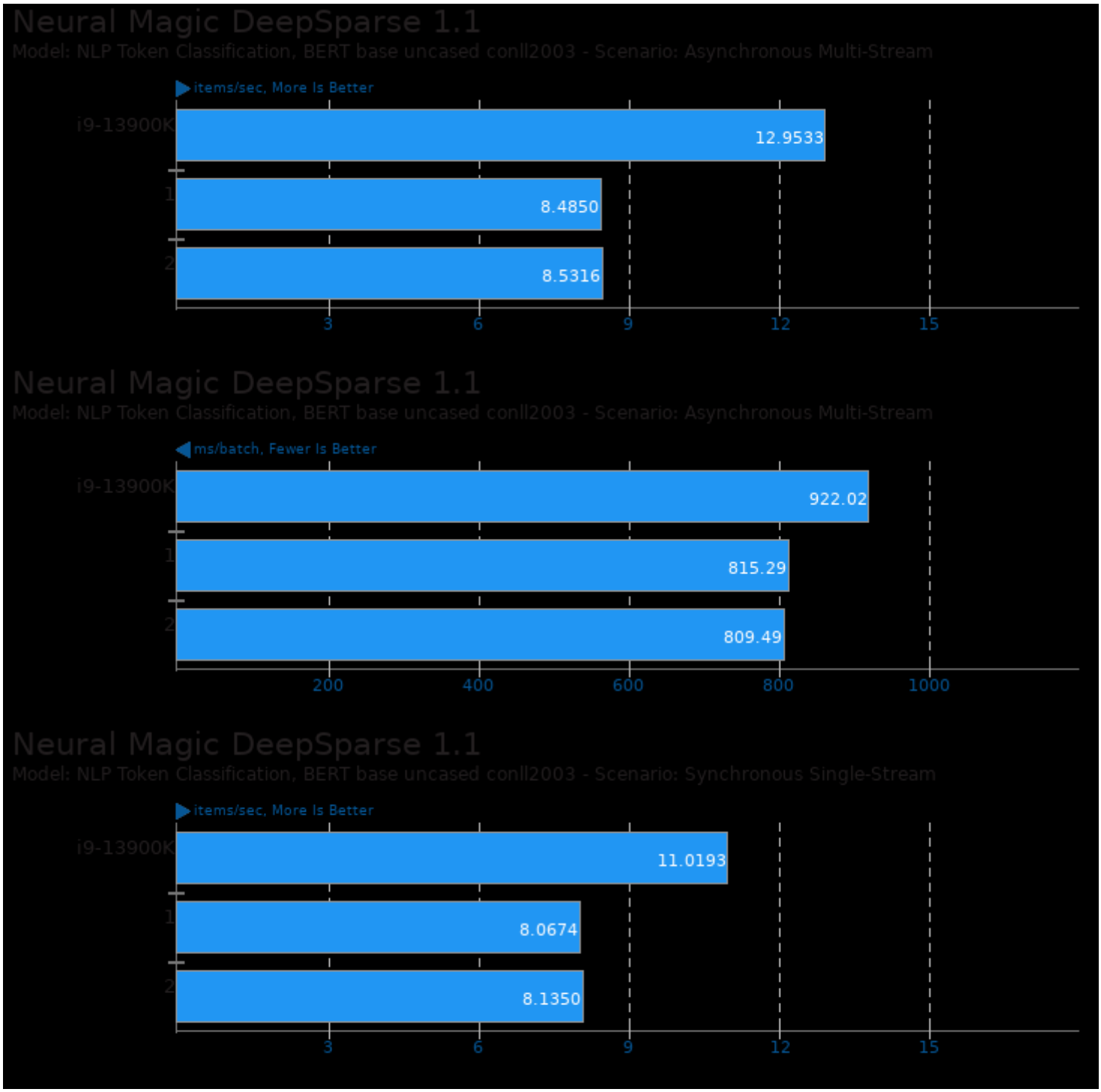
Raptor New Tests



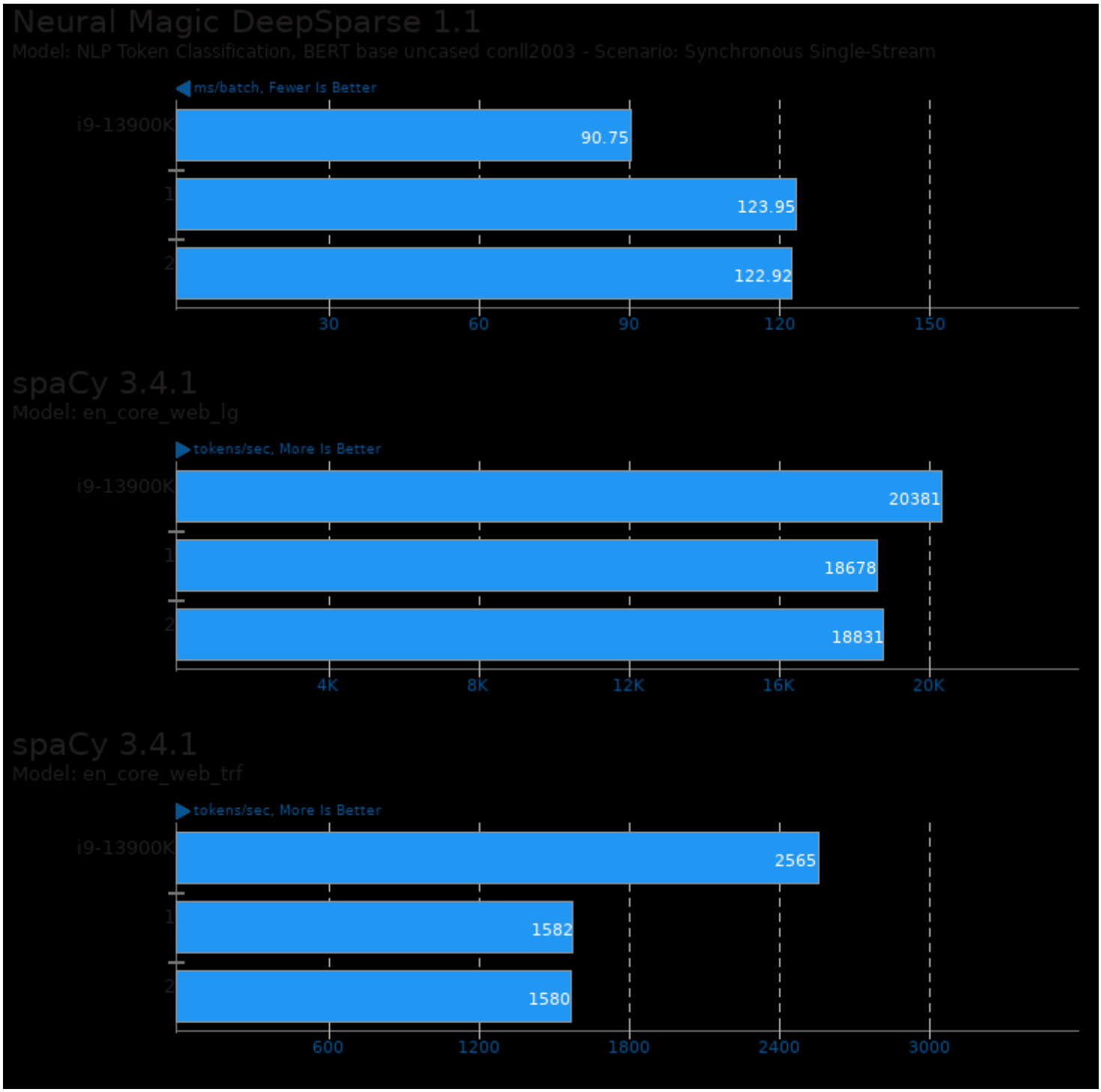
Raptor New Tests



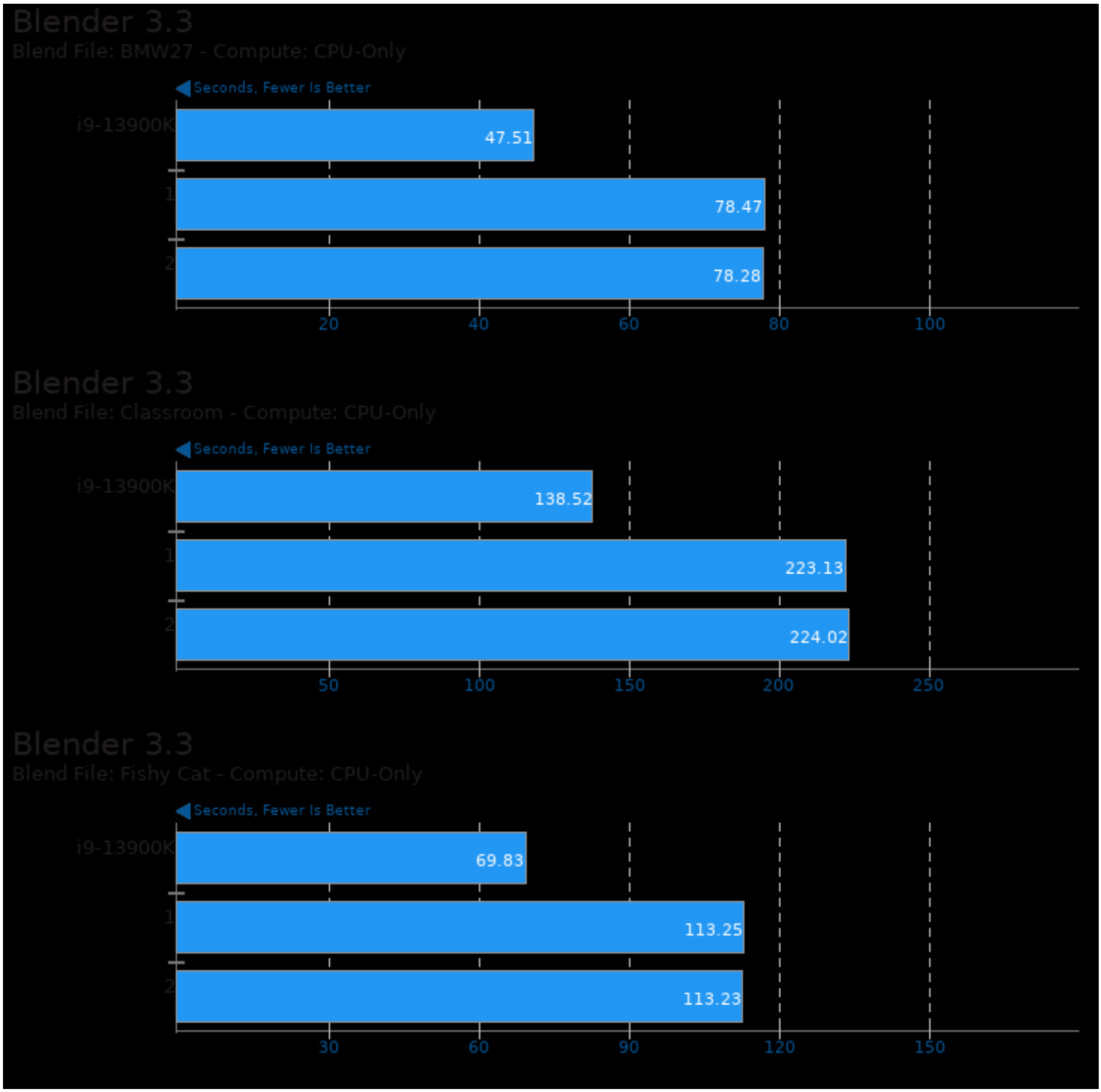
Raptor New Tests



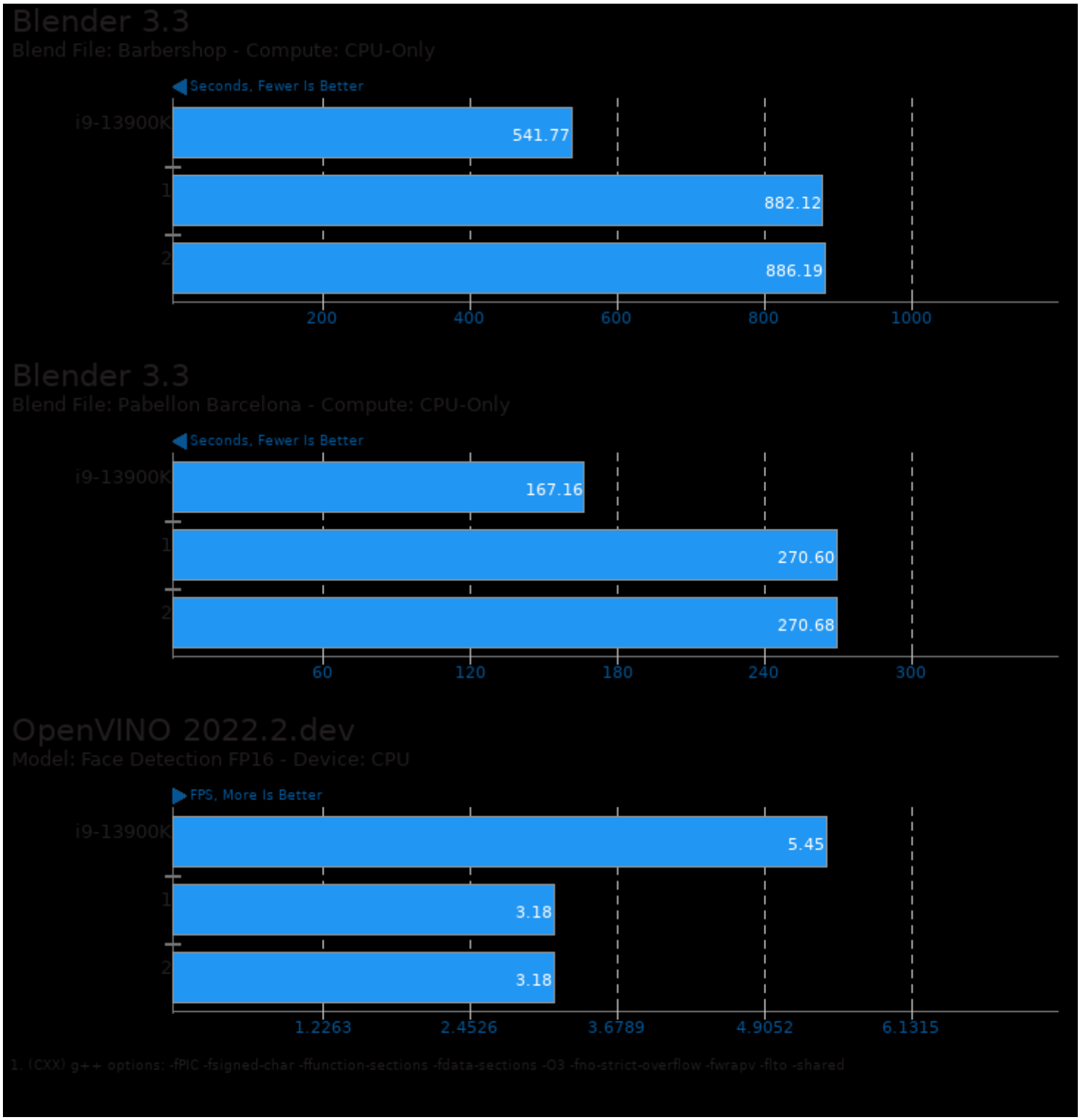
Raptor New Tests



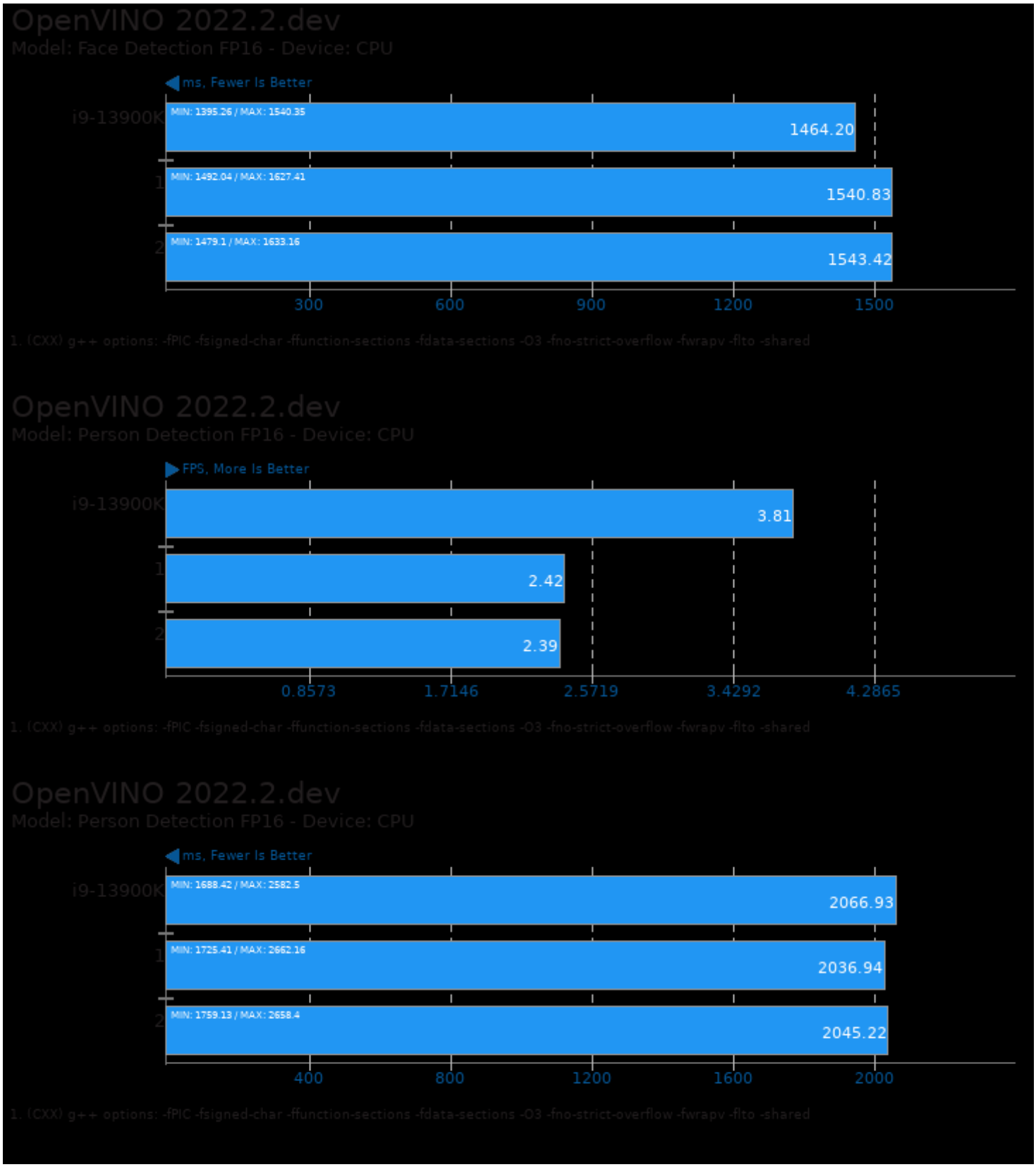
Raptor New Tests

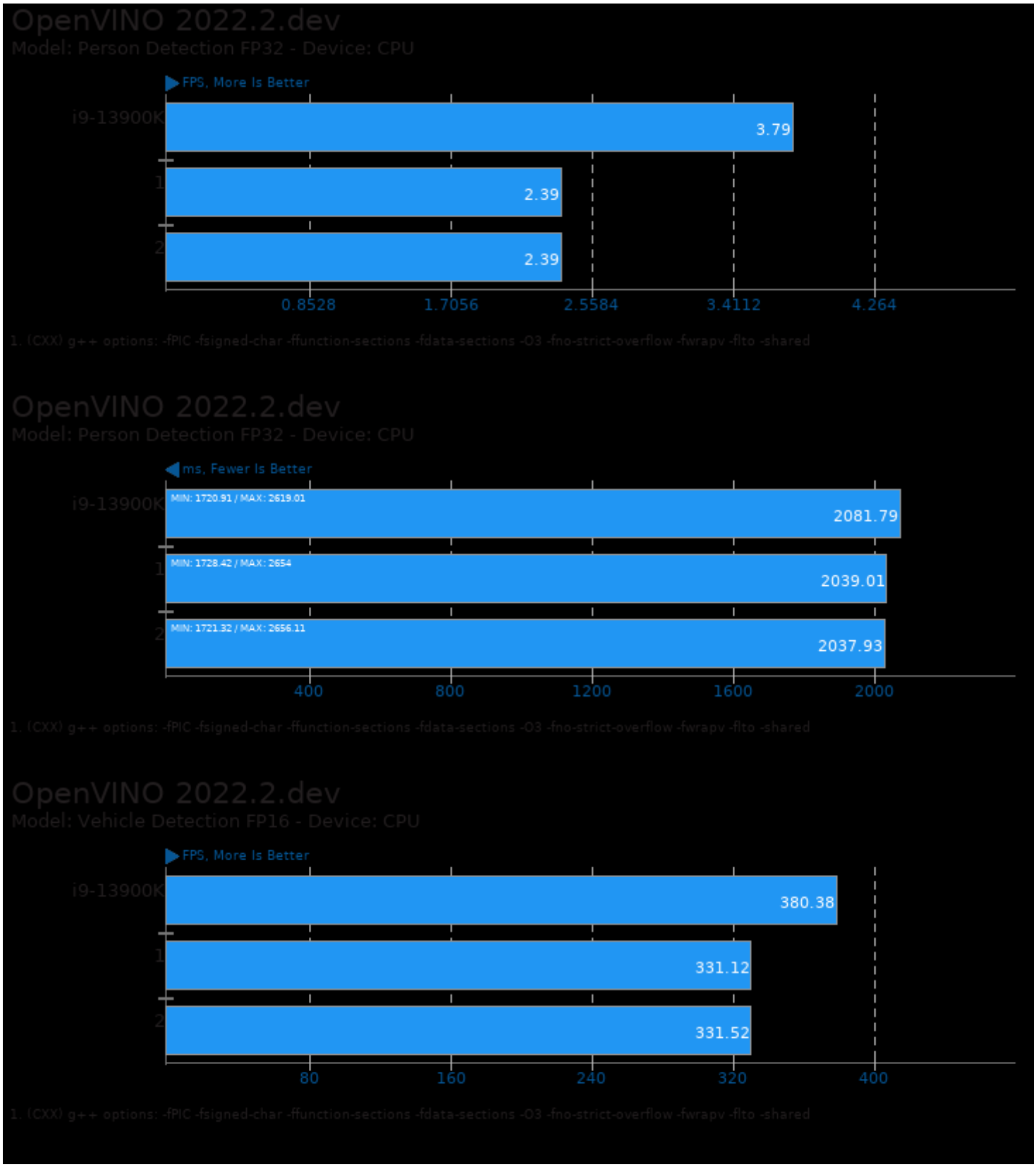


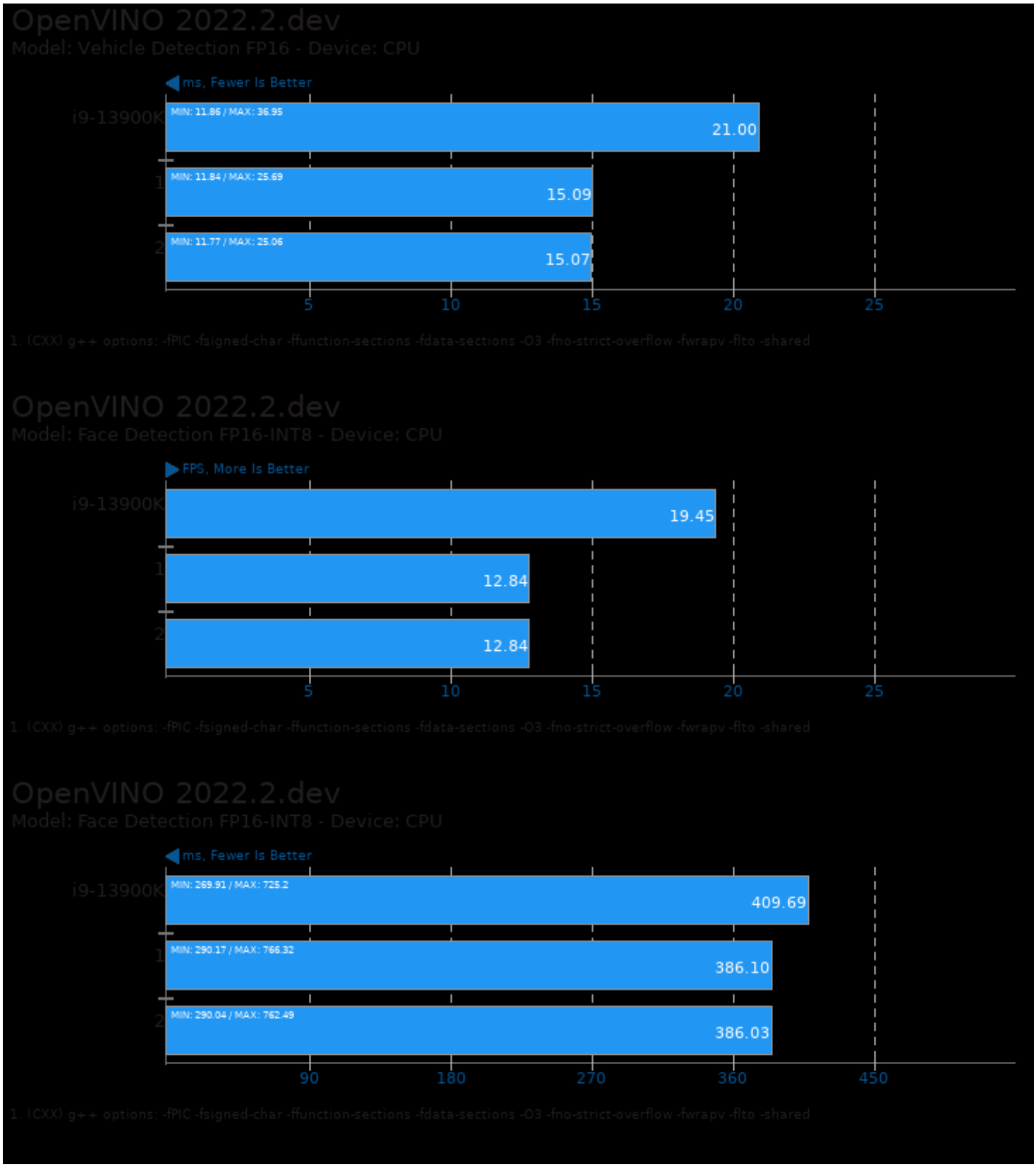
Raptor New Tests

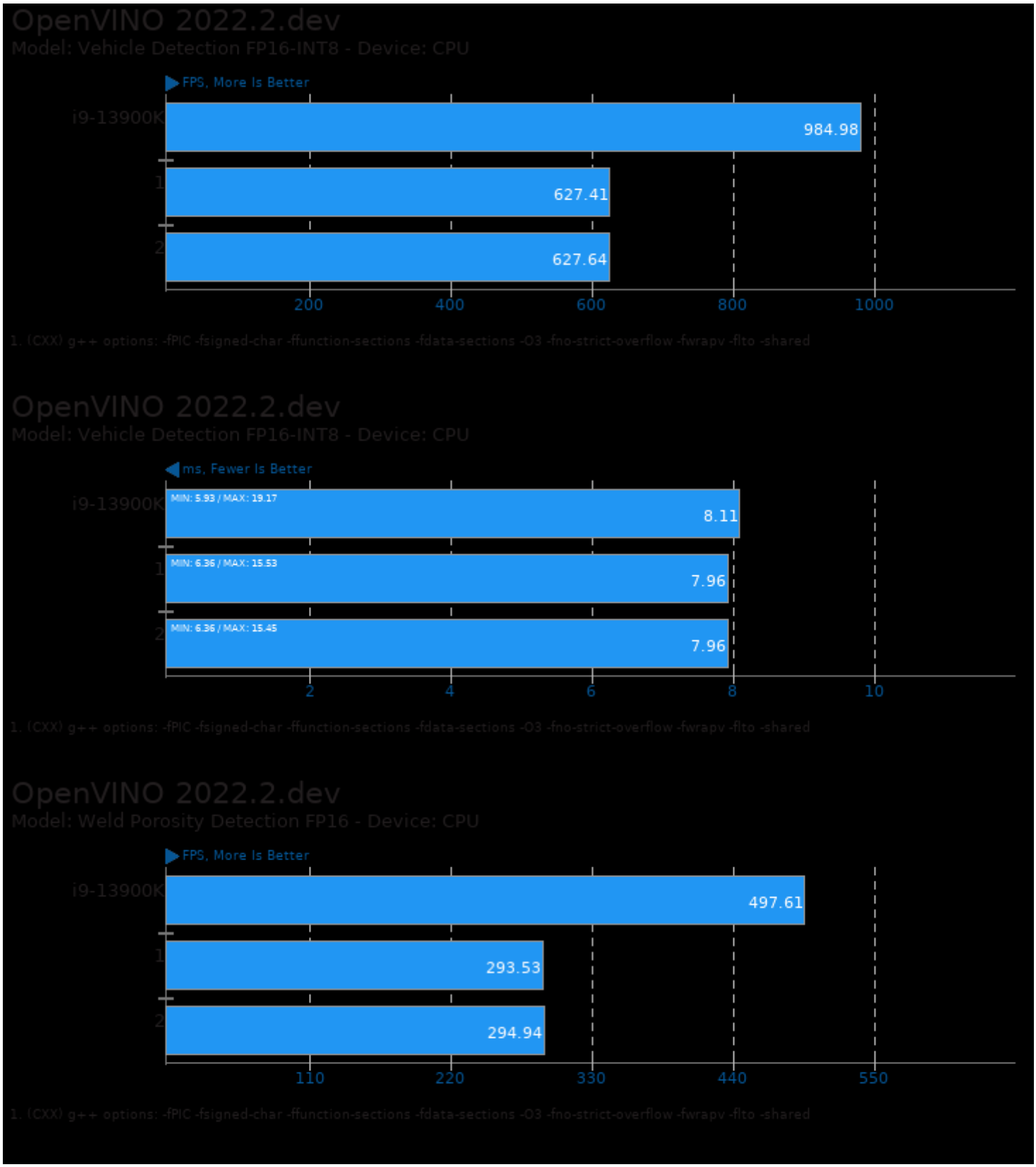


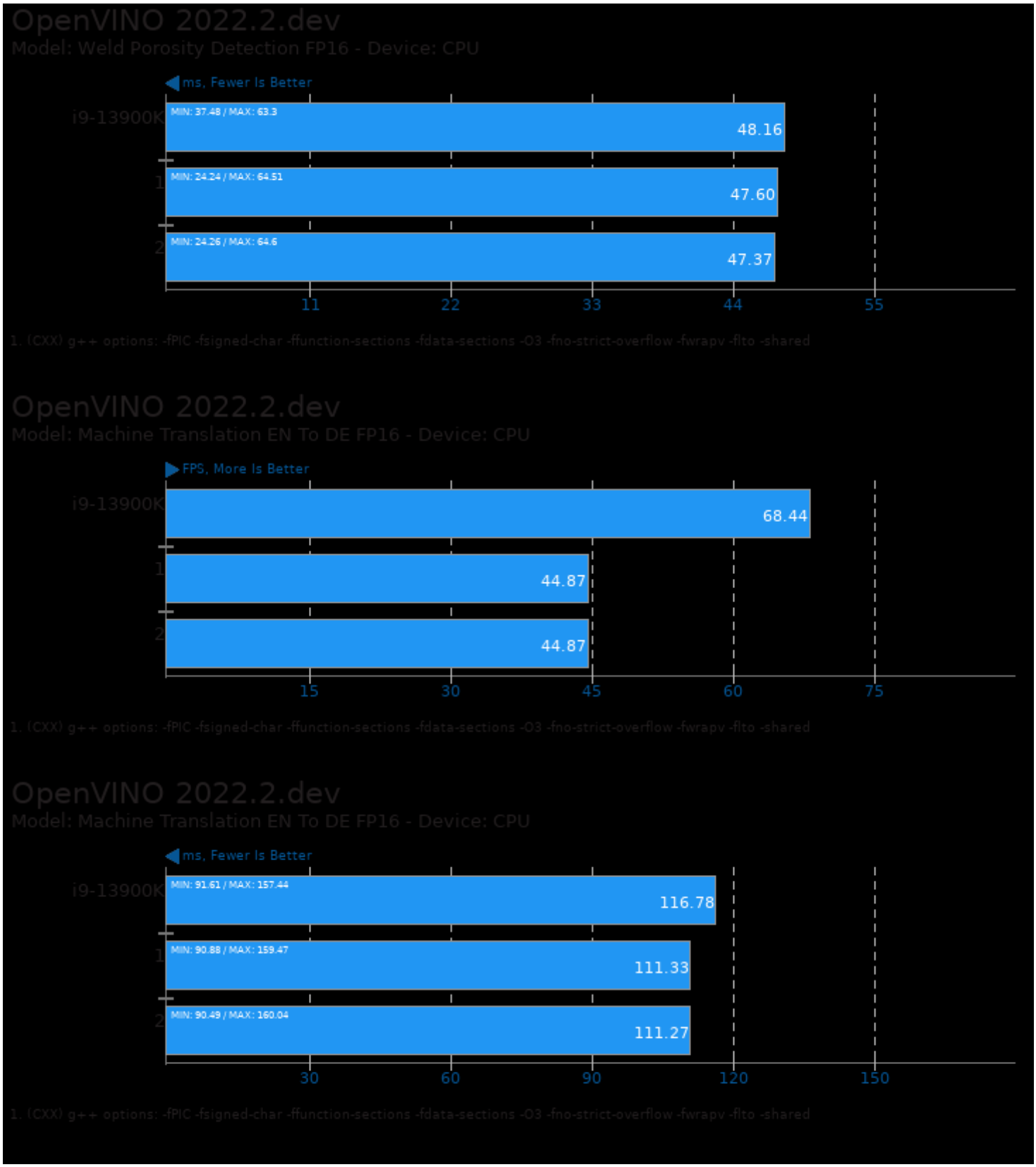
Raptor New Tests



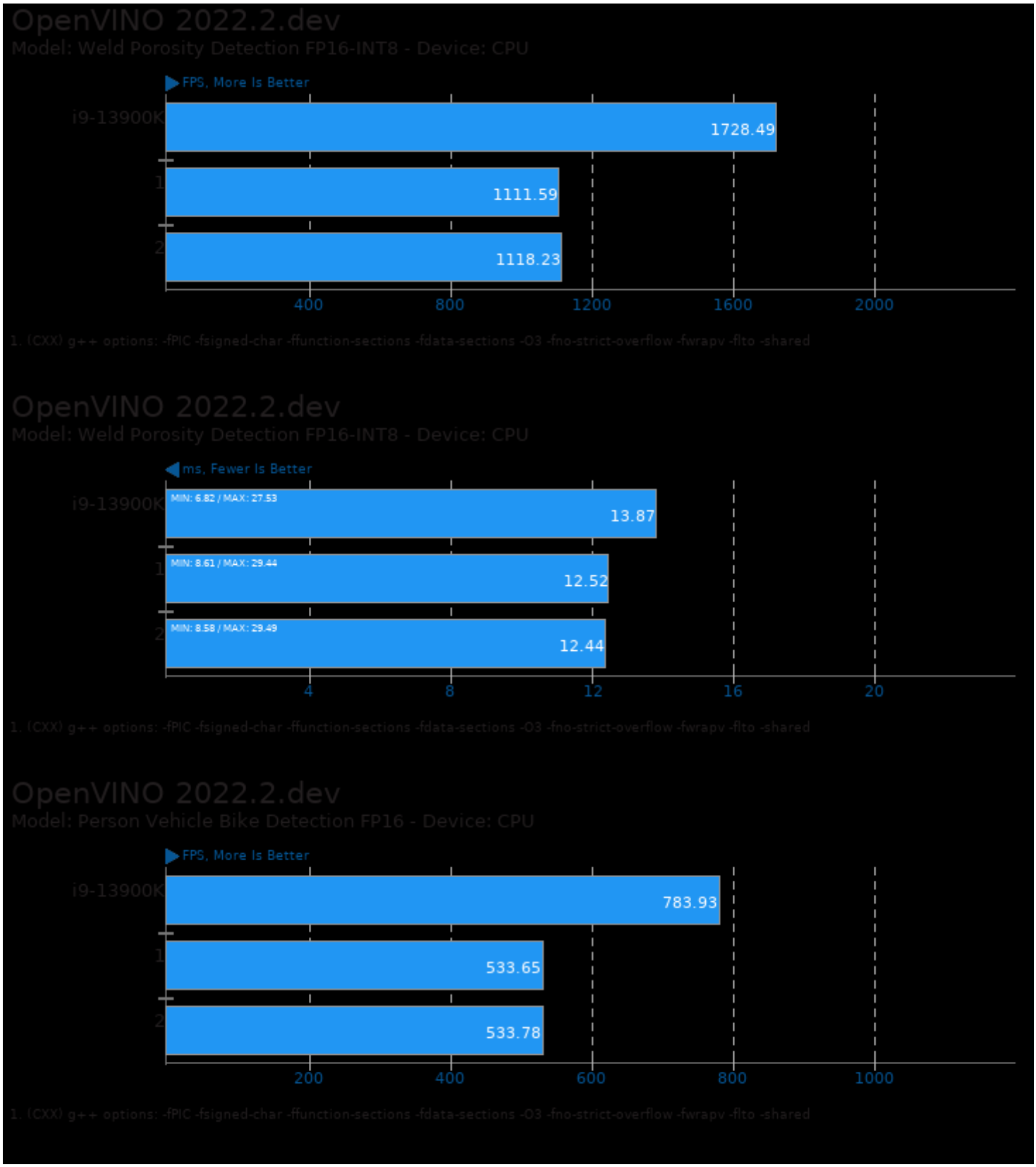

OpenVINO 2022.2.dev
Model: Person Detection FP32 - Device: CPU
FPS, More Is Better
i9-13900K
3.79
2.39
2.39
0.8528
1.7056
2.5584
3.4112
4.264
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -flto -shared
OpenVINO 2022.2.dev
Model: Person Detection FP32 - Device: CPU
ms, Fewer Is Better
i9-13900K
MIN: 1720.91 / MAX: 2619.01
2081.79
MIN: 1728.42 / MAX: 2654
2039.01
MIN: 1721.32 / MAX: 2656.11
2037.93
400
800
1200
1600
2000
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -flto -shared
OpenVINO 2022.2.dev
Model: Vehicle Detection FP16 - Device: CPU
FPS, More Is Better
i9-13900K
380.38
331.12
331.52
80
160
240
320
400
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -flto -shared


OpenVINO 2022.2.dev
Model: Vehicle Detection FP16 - Device: CPU
ms, Fewer Is Better
i9-13900K
MIN: 11.86 / MAX: 36.95
21.00
MIN: 11.84 / MAX: 25.69
15.09
MIN: 11.77 / MAX: 25.06
15.07
5
10
15
20
25
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -flto -shared
OpenVINO 2022.2.dev
Model: Face Detection FP16-INT8 - Device: CPU
FPS, More Is Better
i9-13900K
19.45
12.84
12.84
5
10
15
20
25
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -flto -shared
OpenVINO 2022.2.dev
Model: Face Detection FP16-INT8 - Device: CPU
ms, Fewer Is Better
i9-13900K
MIN: 269.91 / MAX: 725.2
409.69
MIN: 290.17 / MAX: 766.32
386.10
MIN: 290.04 / MAX: 762.49
386.03
90
180
270
360
450
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -flto -shared

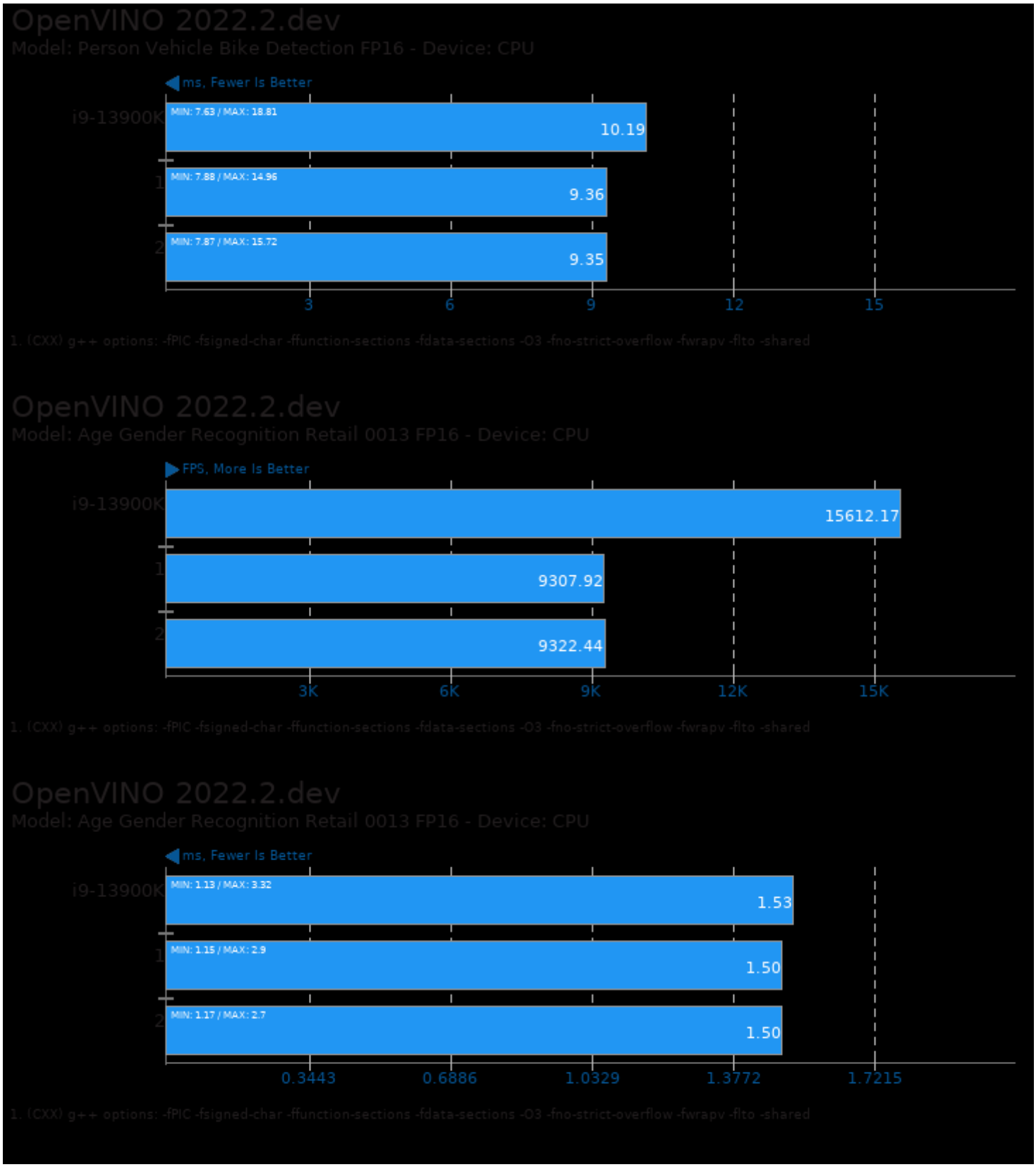

OpenVINO 2022.2.dev
Model: Vehicle Detection FP16-INT8 - Device: CPU
FPS, More Is Better
i9-13900K
1
2
984.98
627.41
627.64
200
400
600
800
1000
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -flto -shared
OpenVINO 2022.2.dev
Model: Vehicle Detection FP16-INT8 - Device: CPU
ms, Fewer Is Better
i9-13900K
1
2
MIN: 5.93 / MAX: 19.17
MIN: 6.36 / MAX: 15.53
MIN: 6.36 / MAX: 15.45
8.11
7.96
7.96
2
4
6
8
10
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -flto -shared
OpenVINO 2022.2.dev
Model: Weld Porosity Detection FP16 - Device: CPU
FPS, More Is Better
i9-13900K
1
2
497.61
293.53
294.94
110
220
330
440
550
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -flto -shared


OpenVINO 2022.2.dev
Model: Weld Porosity Detection FP16 - Device: CPU
ms, Fewer Is Better
i9-13900K
MIN: 37.48 / MAX: 63.3
48.16
MIN: 24.24 / MAX: 64.51
47.60
MIN: 24.26 / MAX: 64.6
47.37
11
22
33
44
55
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -flto -shared
OpenVINO 2022.2.dev
Model: Machine Translation EN To DE FP16 - Device: CPU
FPS, More Is Better
i9-13900K
68.44
44.87
44.87
15
30
45
60
75
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -flto -shared
OpenVINO 2022.2.dev
Model: Machine Translation EN To DE FP16 - Device: CPU
ms, Fewer Is Better
i9-13900K
MIN: 91.61 / MAX: 157.44
116.78
MIN: 90.88 / MAX: 159.47
111.33
MIN: 90.49 / MAX: 160.04
111.27
30
60
90
120
150
1. (CXX) g++ options: -fPIC -fsigned-char -ffunction-sections -fdata-sections -O3 -fno-strict-overflow -fwrapv -flto -shared

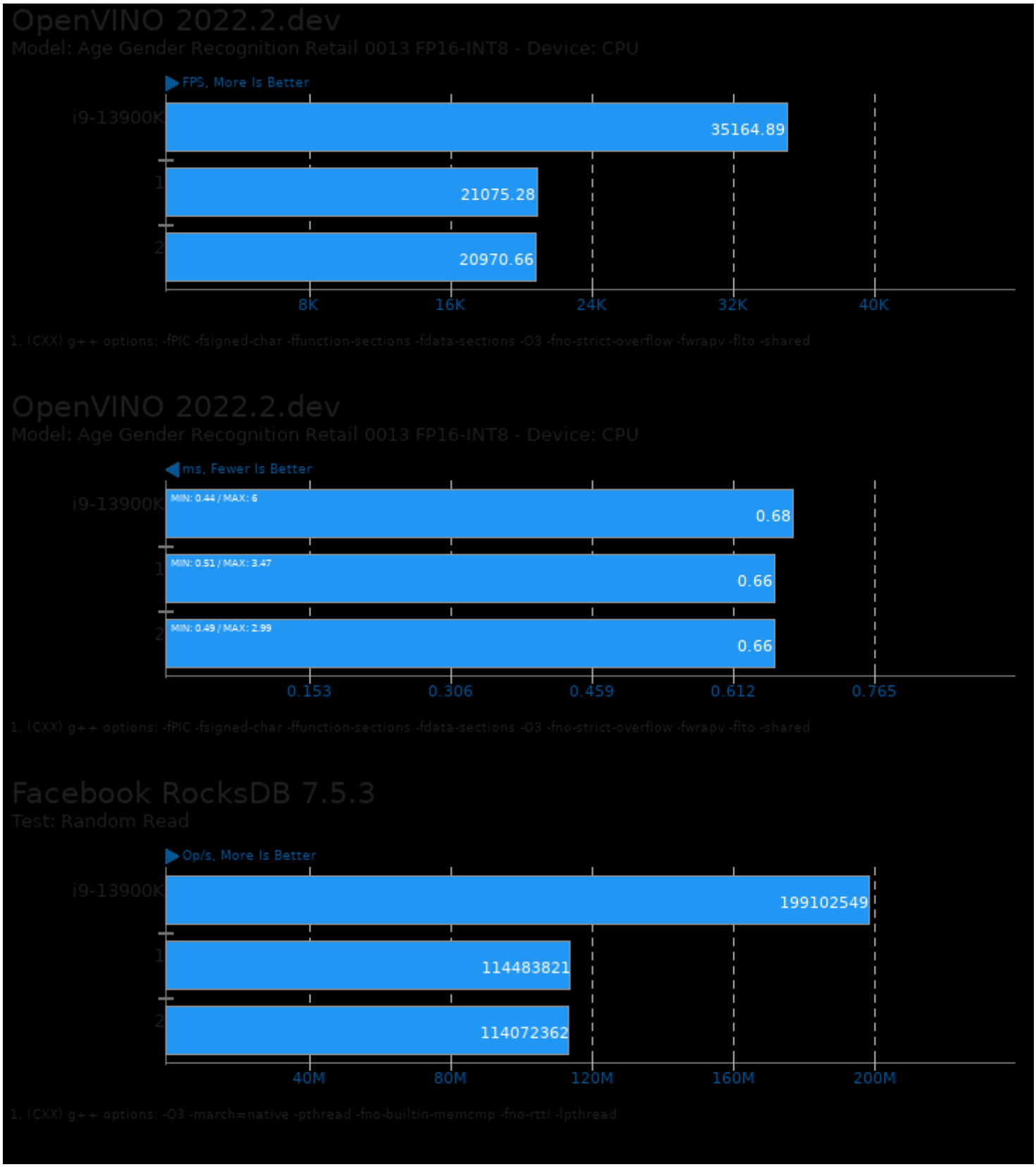
Raptor New Tests



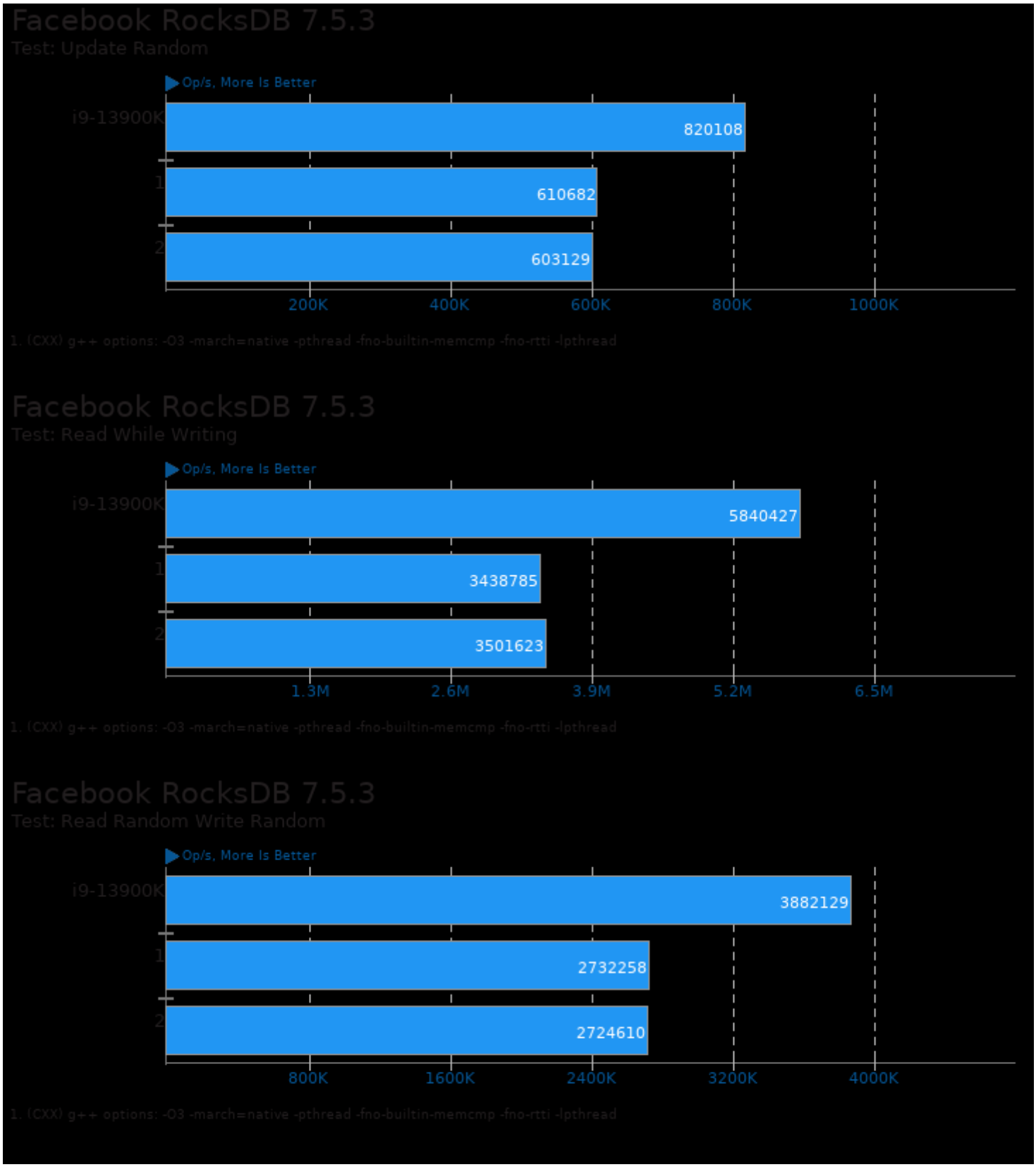
Raptor New Tests



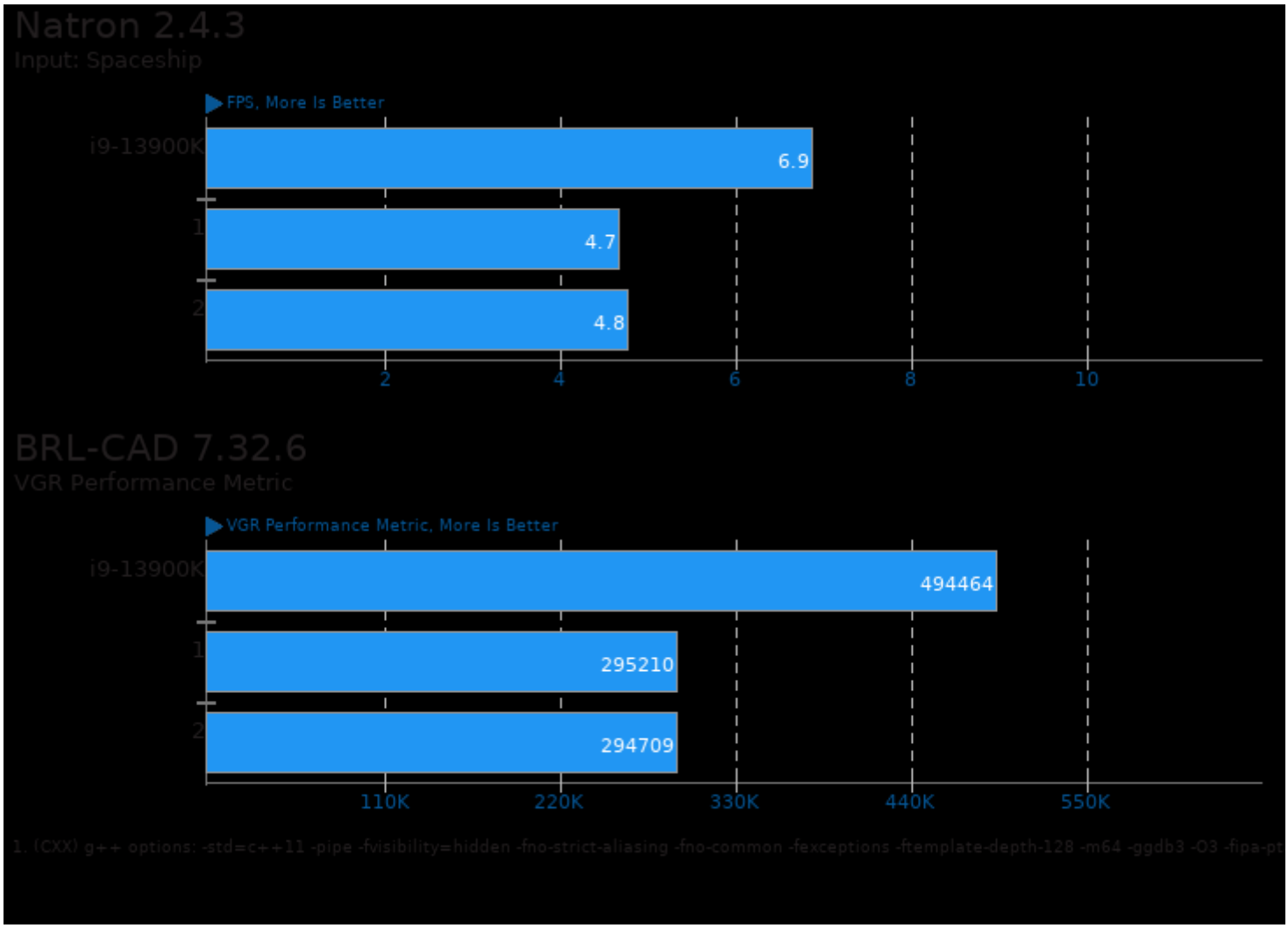
Raptor New Tests



Raptor New Tests

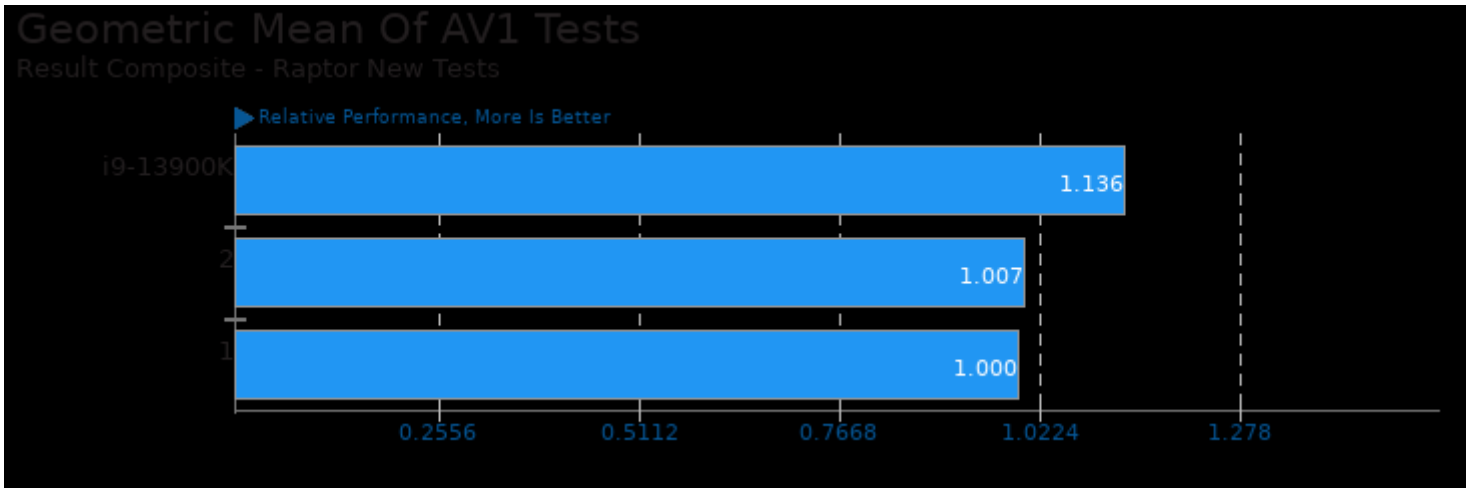


Raptor New Tests

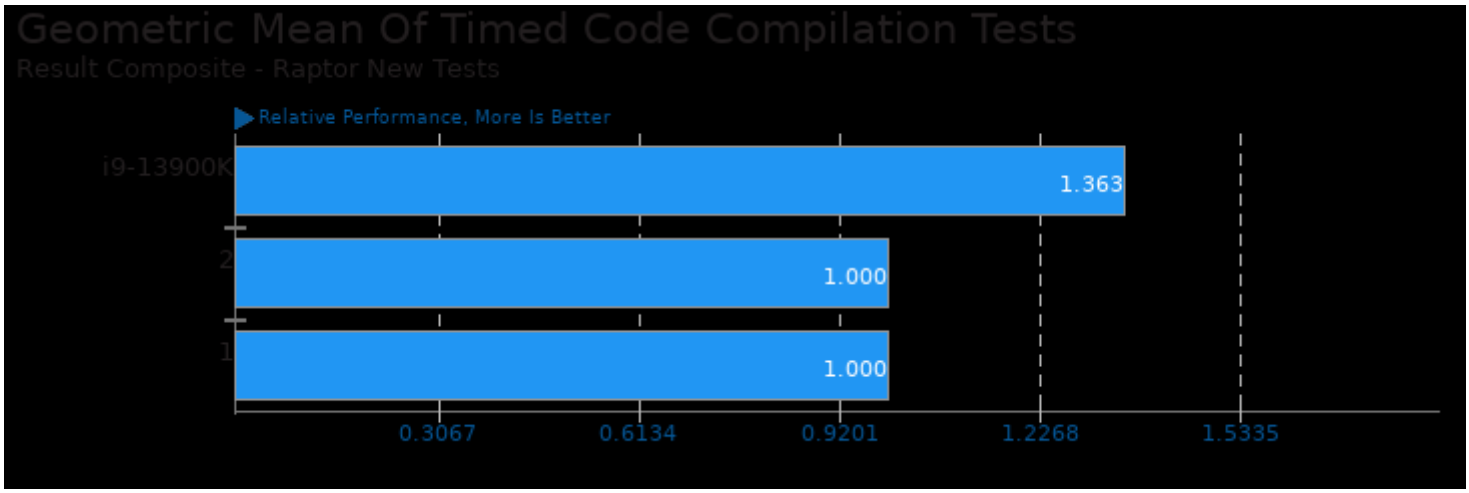


Raptor New Tests

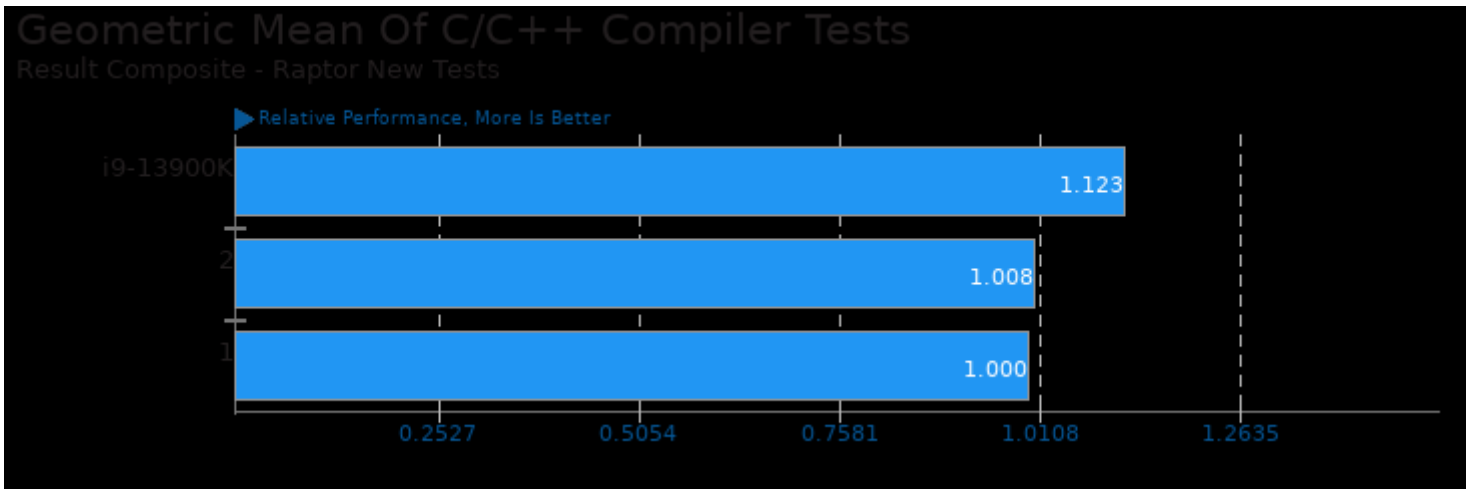
These geometric means are based upon test groupings / test suites for this result file.



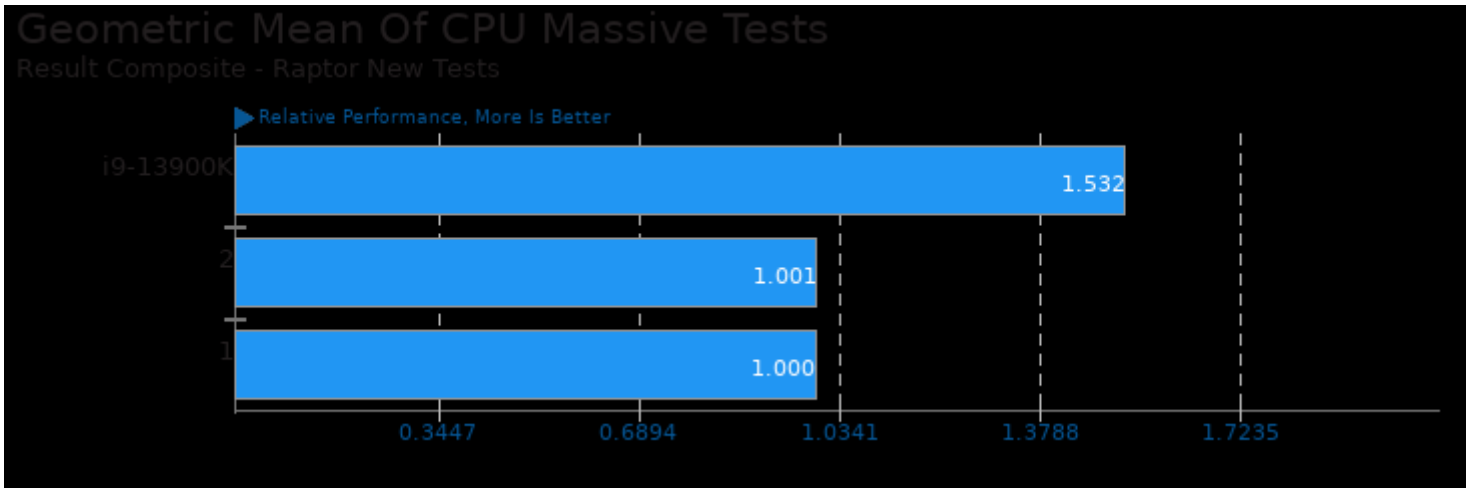
Geometric mean based upon tests: pts/aom-av1 and pts/avifenc



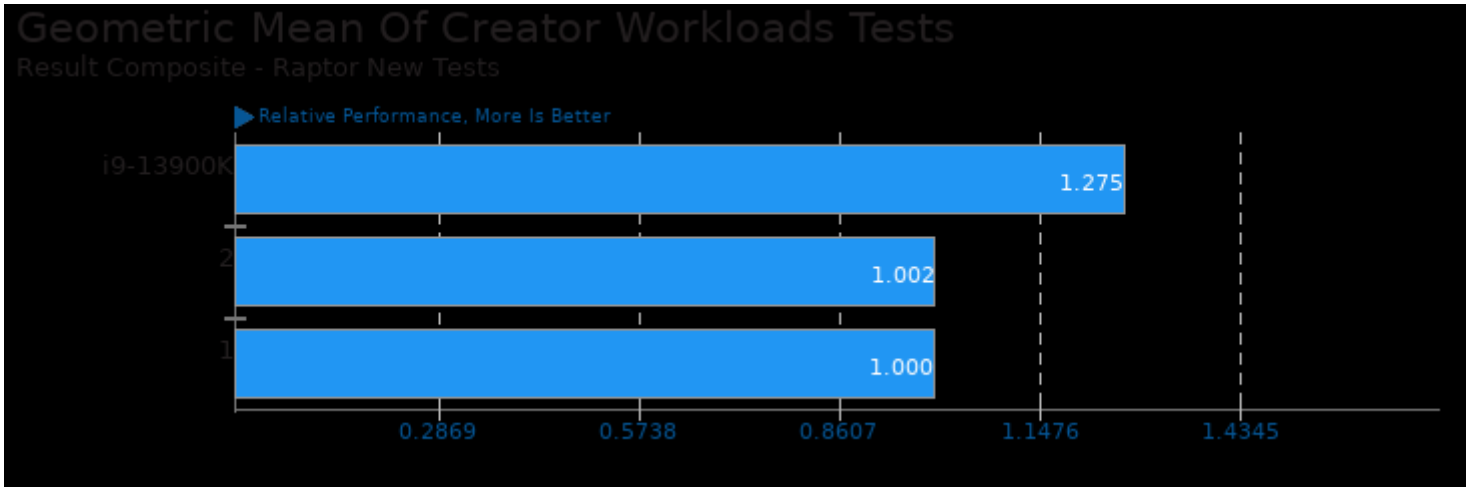
Geometric mean based upon tests: pts/build-php, pts/build-linux-kernel, pts/build-python, pts/build-godot, pts/build-erlang, pts/build-wasmer, pts/build-nodejs and pts/build-mesa



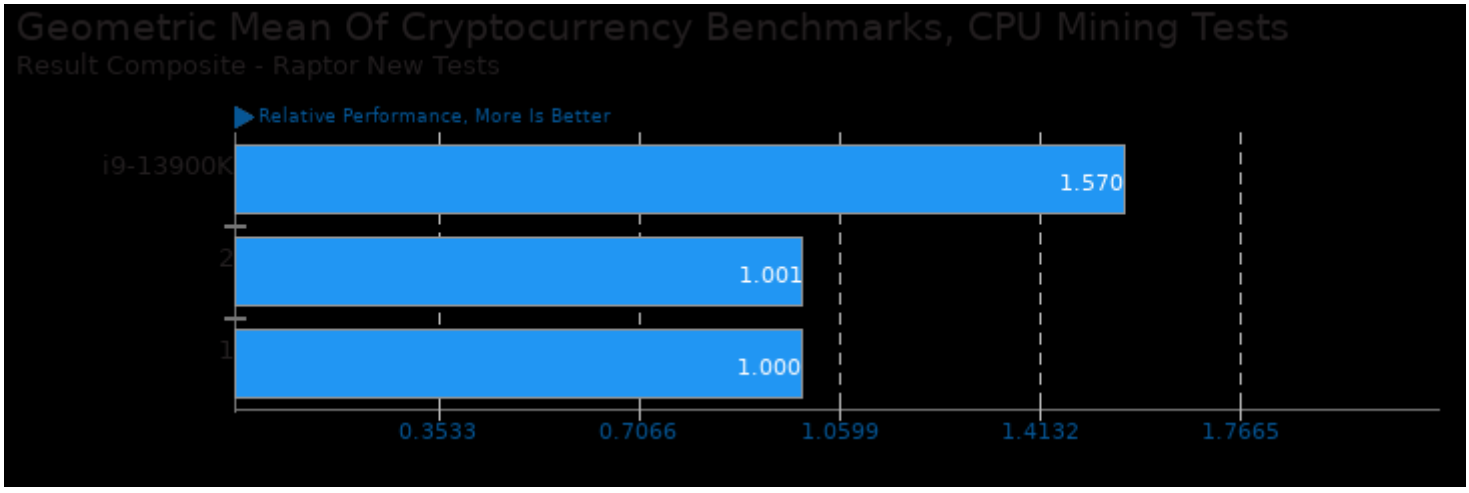
Geometric mean based upon tests: pts/build-php, pts/compress-7zip, pts/encode-flac and pts/aom-av1



Geometric mean based upon tests: pts/brl-cad, pts/build-linux-kernel, pts/build-php, pts/compress-7zip, pts/encode-flac, pts/tensorflow, pts/blender and pts/cpuminer-opt

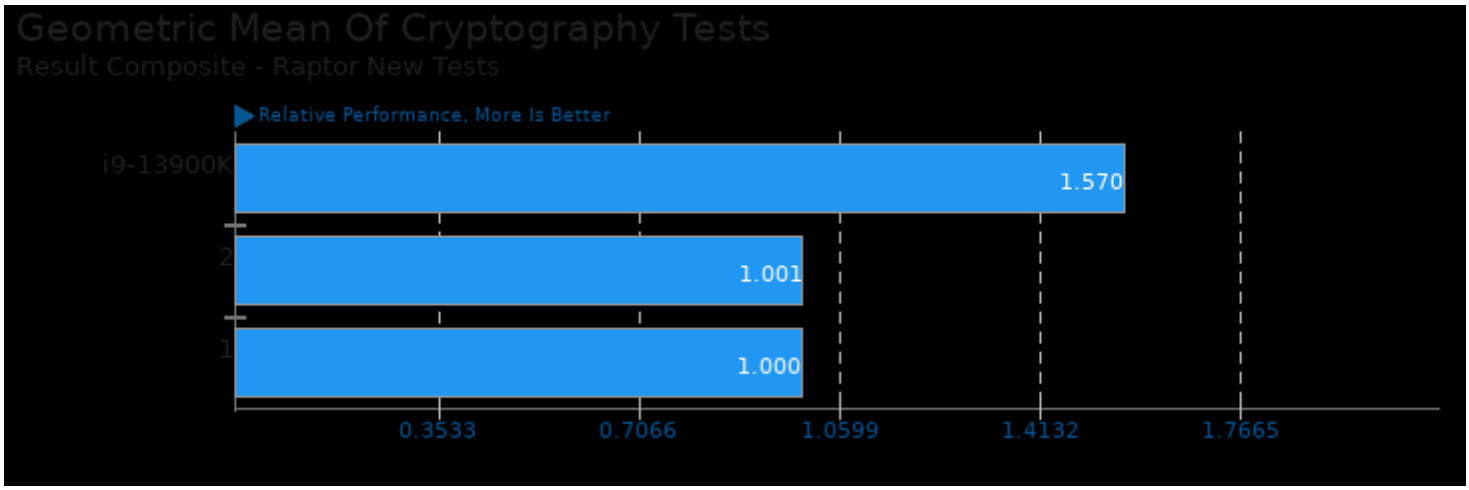


Geometric mean based upon tests: pts/quadray, pts/blender, pts/natron, pts/aom-av1, pts/avifenc, pts/encode-flac, pts/webp, pts/webp2, pts/jpegxl, pts/jpegxl-decode, pts/openvino, pts/build-godot and pts/brl-cad

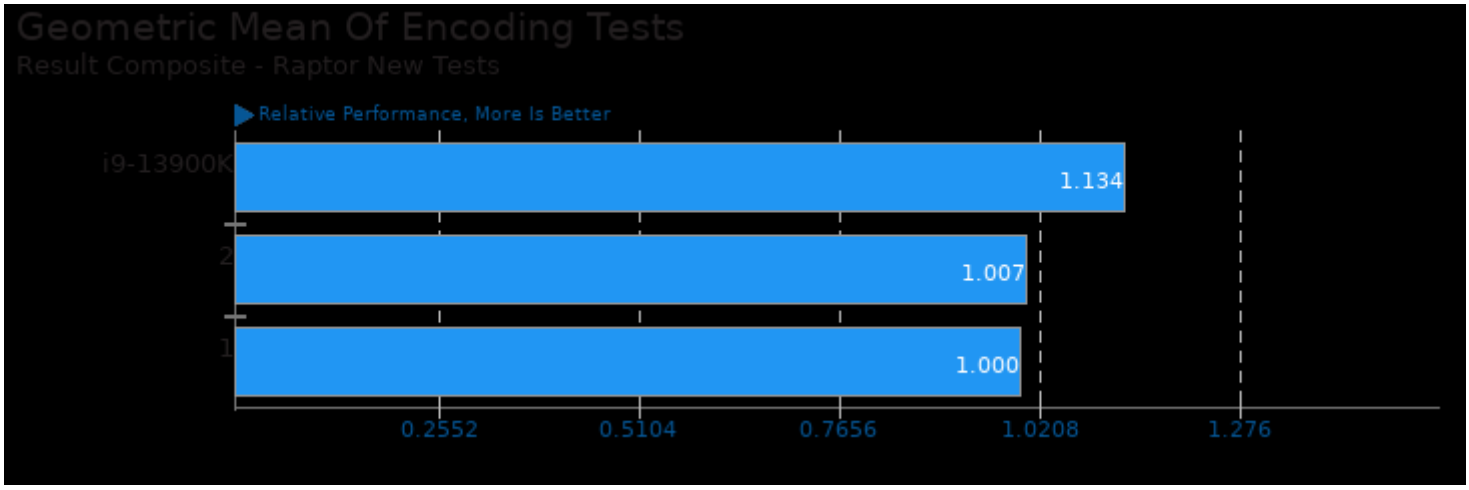


Geometric mean based upon tests: pts/cpuminer-opt and pts/xmrig

Raptor New Tests



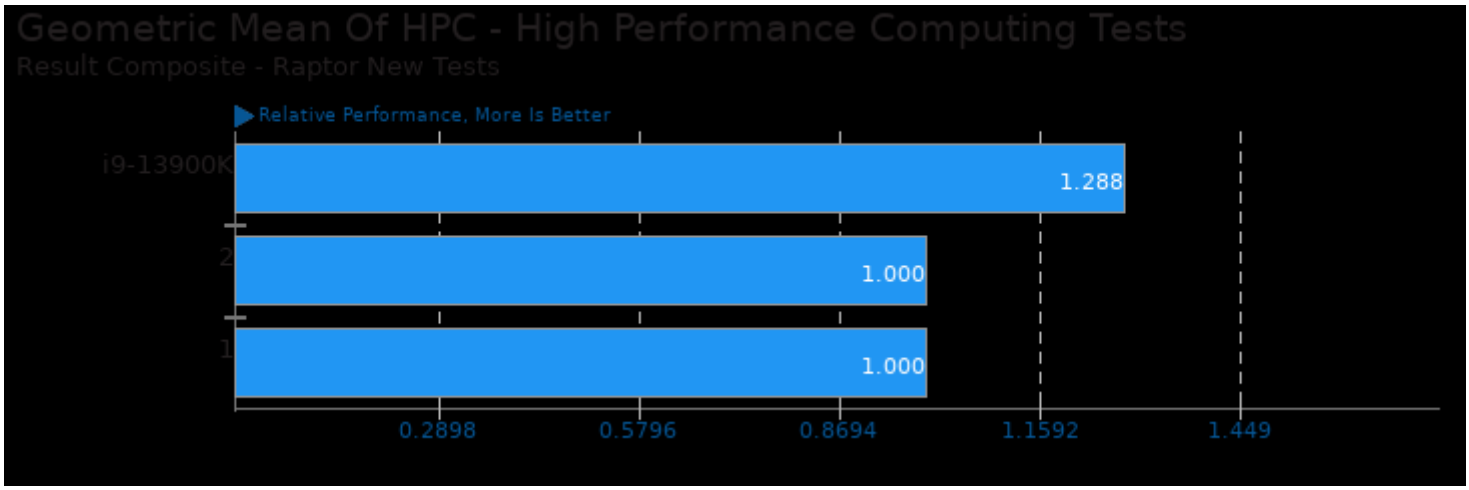
Geometric mean based upon tests: pts/cpuminer-opt and pts/xmrig



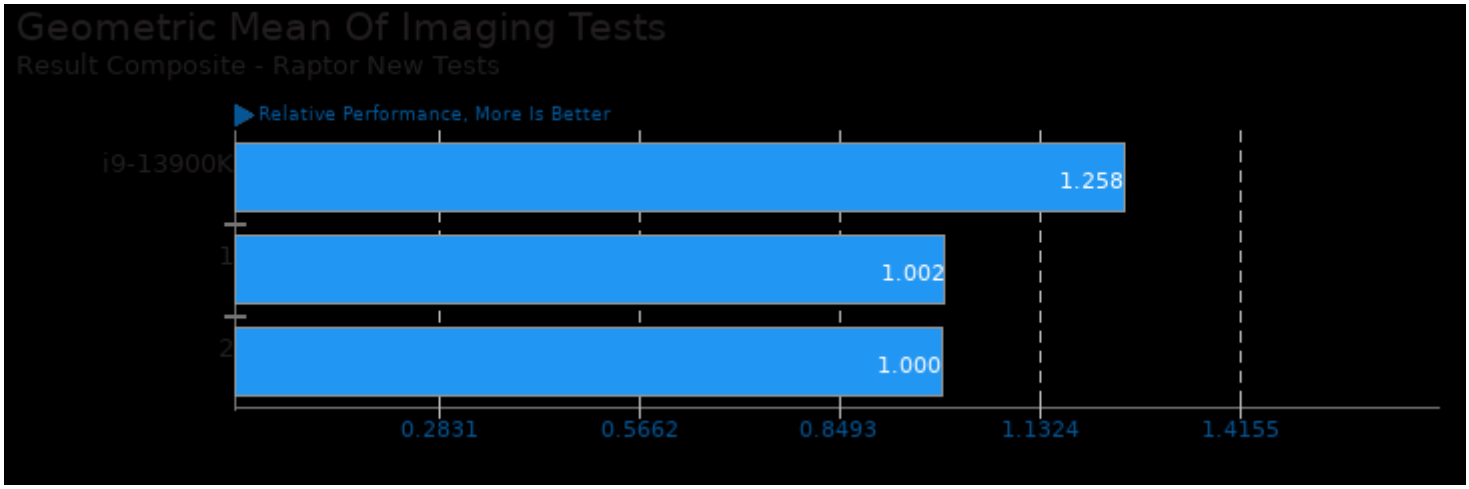
Geometric mean based upon tests: pts/encode-flac, pts/aom-av1 and pts/avifenc



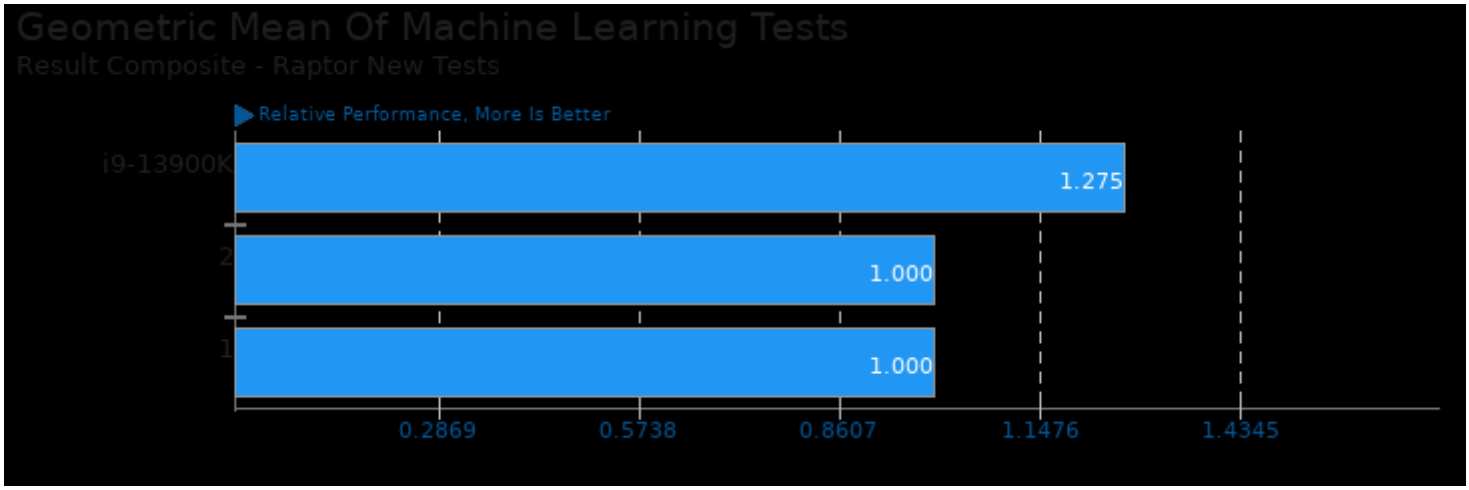
Geometric mean based upon tests: pts/build-godot and pts/blender



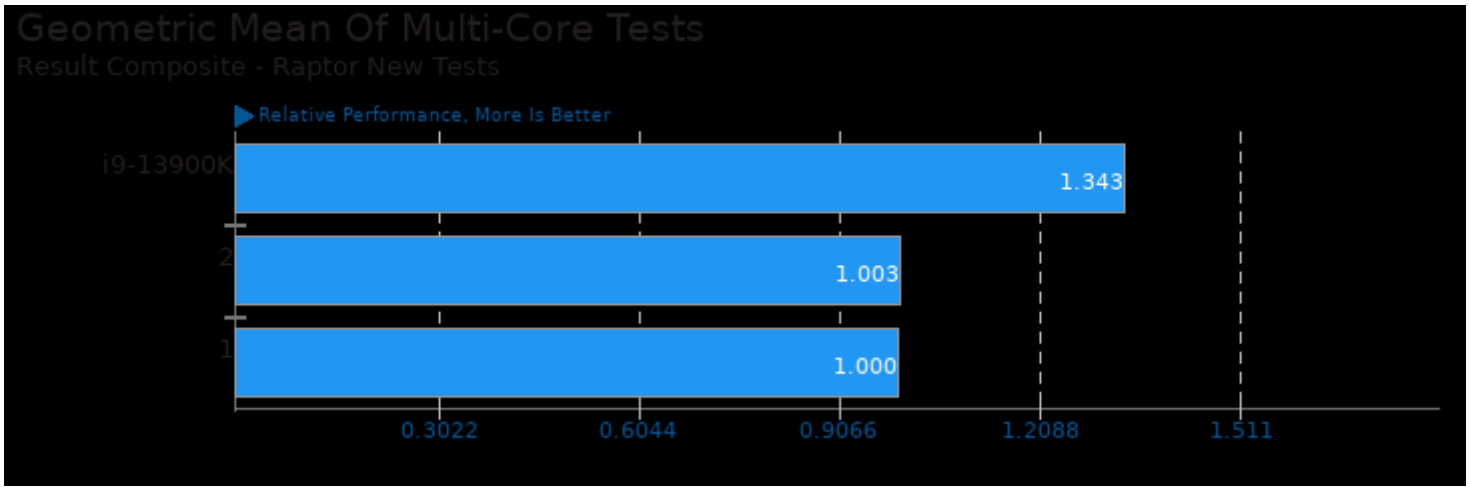
Geometric mean based upon tests: pts/openfoam, pts/tensorflow, pts/openvino, pts/spacy, pts/deepsparse and pts/openradioss



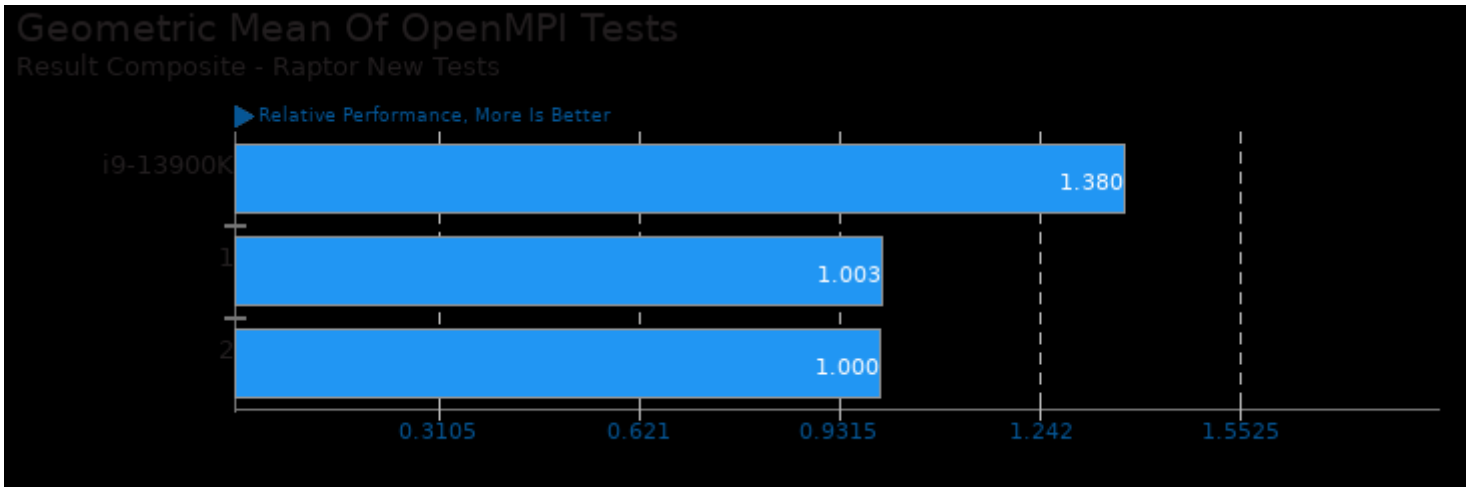
Geometric mean based upon tests: pts/webp, pts/webp2, pts/jpegxl, pts/jpegxl-decode and pts/avifenc



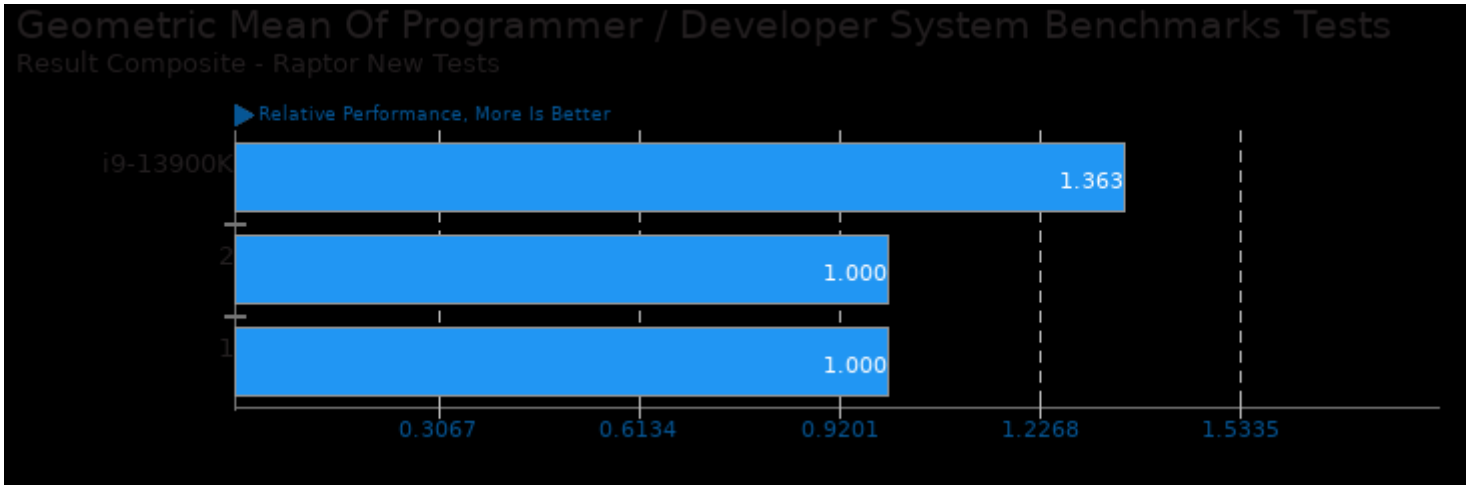
Geometric mean based upon tests: pts/tensorflow, pts/openvino, pts/spacy and pts/deepsparse



Geometric mean based upon tests: pts/blender, pts/cpuminer-opt, pts/quadray, pts/aom-av1, pts/avifenc, pts/compress-7zip, pts/build-php, pts/build-linux-kernel, pts/build-python, pts/build-godot, pts/build-erlang, pts/build-wasmer, pts/build-nodejs, pts/build-mesa, pts/natron and pts/openvino



Geometric mean based upon tests: pts/openfoam and pts/openradioss



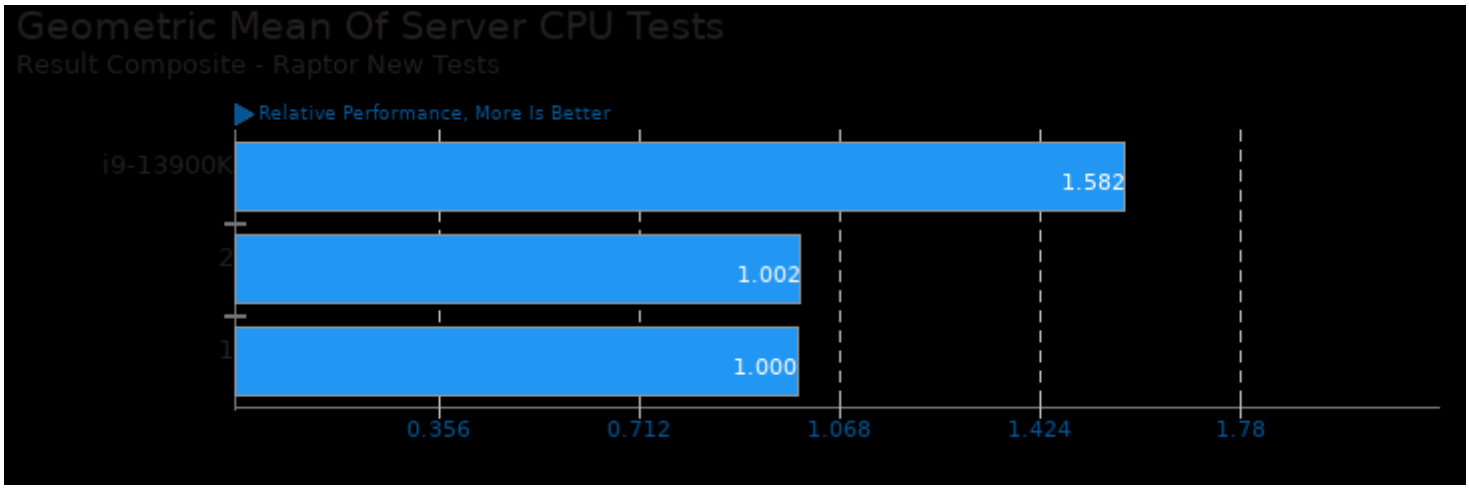
Geometric mean based upon tests: pts/build-php, pts/build-linux-kernel, pts/build-python, pts/build-godot, pts/build-erlang, pts/build-wasmer, pts/build-nodejs and pts/build-mesa



Geometric mean based upon tests: pts/build-godot, pts/build-mesa, pts/build-nodejs, pts/tensorflow, pts/deepsparse, pts/spacy and pts/openvino

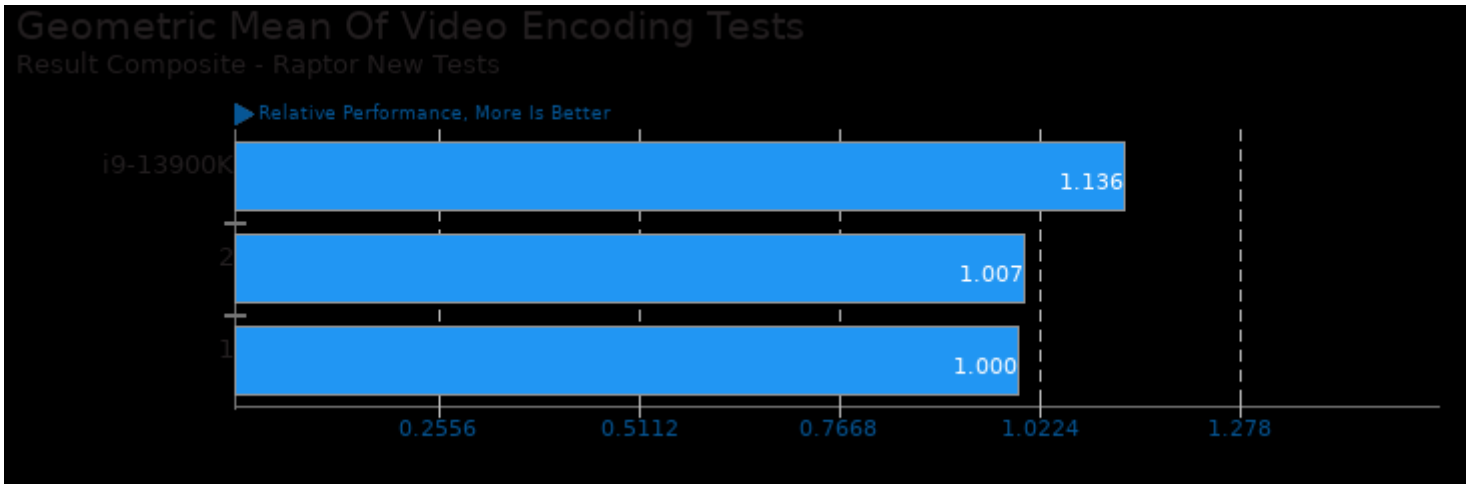


Geometric mean based upon tests: pts/quadray, pts/blender and pts/natron

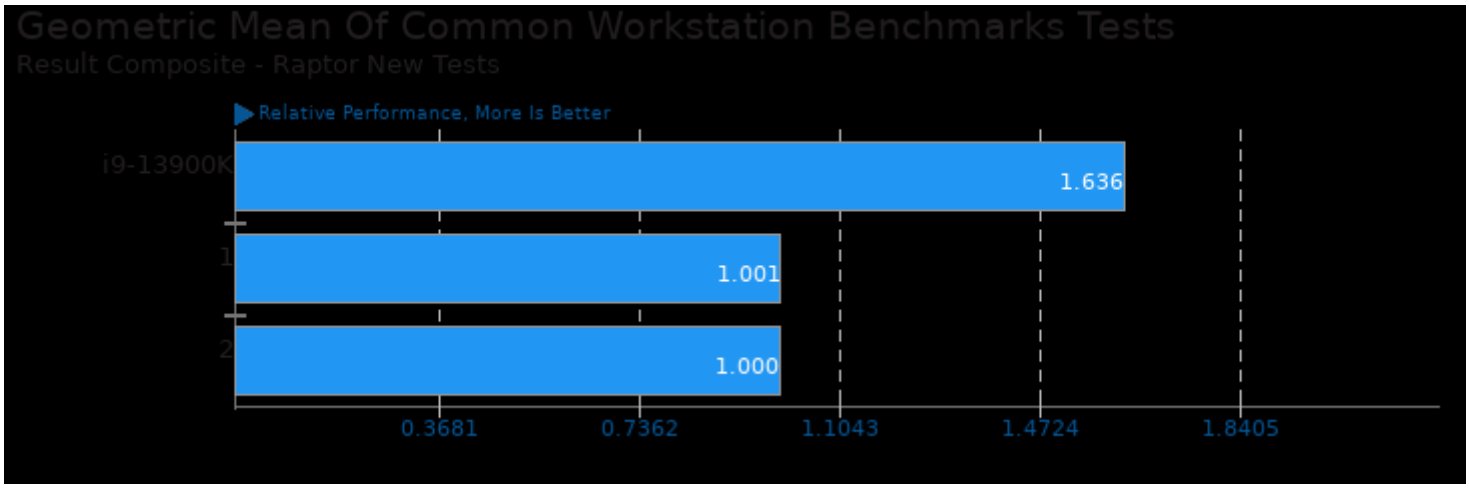


Geometric mean based upon tests: pts/compress-7zip, pts/build-linux-kernel, pts/build-php, pts/blender and pts/cpuminer-opt

Raptor New Tests



Geometric mean based upon tests: pts/aom-av1 and pts/avifenc



Geometric mean based upon tests: pts/blender and pts/brl-cad

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 11:29.