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last

Intel Core i5-1135G7 testing with a Dell 08642J (3.3.0 BIOS) and Intel Xe TGL GT2 3GB on Ubuntu 20.04 via the Phoronix Test Suite.

Automated Executive Summary

E had the most wins, coming in first place for 30% of the tests.

Based on the geometric mean of all complete results, the fastest (E) was 1.079x the speed of the slowest (B). A was 0.999x the speed of E, D was 0.984x the speed of A, C was 0.998x the speed of D, B was 0.946x the speed of C.

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

Stress-NG (Test: Glibc C String Functions) at 1.282x
Stress-NG (Test: SENDFILE) at 1.278x
Stress-NG (Test: Glibc Qsort Data Sorting) at 1.275x
Stress-NG (Test: Context Switching) at 1.264x
Stress-NG (Test: Matrix Math) at 1.251x
SVT-AV1 (Encoder Mode: Preset 4 - Input: Bosphorus 4K) at 1.24x
SVT-AV1 (Encoder Mode: Preset 4 - Input: Bosphorus 1080p) at 1.236x
libavif avifenc (Encoder Speed: 2) at 1.223x
SVT-AV1 (Encoder Mode: Preset 8 - Input: Bosphorus 4K) at 1.202x

Stress-NG (Test: Forking) at 1.198x.

Test Systems:

A

B

C

D

E

Processor: Intel Core i5-1135G7 @ 4.20GHz (4 Cores / 8 Threads), Motherboard: Dell 08642J (3.3.0 BIOS), Chipset: Intel Device a0ef, Memory: 8GB, Disk: PC SN530 NVMe WDC 256GB, Graphics: Intel Xe TGL GT2 3GB (1300MHz), Audio: Realtek ALC289, Network: Intel Device a0f0

OS: Ubuntu 20.04, Kernel: 5.14.0-1031-oem (x86_64), Desktop: GNOME Shell 3.36.9, Display Server: X Server 1.20.9, OpenGL: 4.6 Mesa 21.2.6, Vulkan: 1.2.182, Compiler: GCC 9.4.0, File-System: ext4, Screen Resolution: 3456x2160

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,gm2 --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-9-Av3uEd/gcc-9-9.4.0/debian/tmp-nvptx/usr,hsa --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_power) - CPU Microcode: 0x88 - Thermald 1.9.1
Java Notes: OpenJDK Runtime Environment (build 11.0.15+10-Ubuntu-0ubuntu0.20.04.1)
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	A	B	C	D	E
SVT-AV1 - Preset 4 - Bosphorus 4K (FPS)	0.749	**0.628**	**0.779**	0.757	0.777
Normalized	96.15%	80.62%	100%	97.18%	99.74%
Standard Deviation		0.7%			
SVT-AV1 - Preset 8 - Bosphorus 4K (FPS)	8.859	8.865	10.609	**8.849**	**10.637**
Normalized	83.28%	83.34%	99.74%	83.19%	100%
Standard Deviation		4.2%			
SVT-AV1 - Preset 10 - Bosphorus 4K (FPS)	24.925	**24.735**	26.461	24.9	**28.177**
Normalized	88.46%	87.78%	93.91%	88.37%	100%
Standard Deviation		4.6%			

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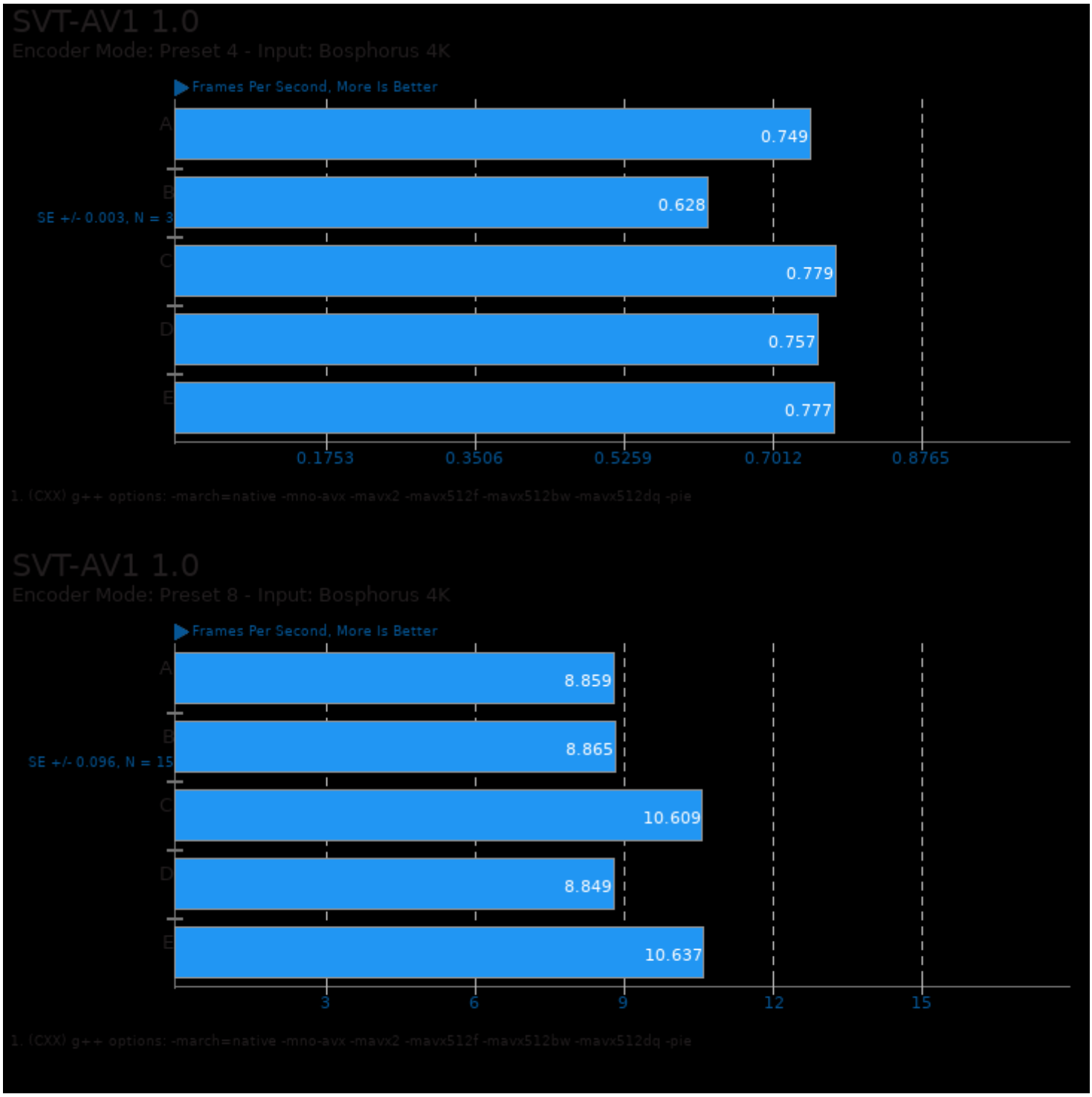
SVT-AV1 - Preset 12 - Bosphorus 4K (FPS)	40.074	40.158	40.889	40.34	41.097
Normalized	97.51%	97.72%	99.49%	98.16%	100%
Standard Deviation		0.4%			
SVT-AV1 - Preset 4 - Bosphorus 1080p (FPS)	2.166	2.135	2.177	2.18	2.638
Normalized	82.11%	80.93%	82.52%	82.64%	100%
Standard Deviation		4.2%			
SVT-AV1 - Preset 8 - Bosphorus 1080p (FPS)	33.547	32.016	34.04	33.663	38.038
Normalized	88.19%	84.17%	89.49%	88.5%	100%
Standard Deviation		2.3%			
SVT-AV1 - Preset 10 - Bosphorus 1080p (FPS)	78.105	73.965	79.433	78.957	79.06
Normalized	98.33%	93.12%	100%	99.4%	99.53%
Standard Deviation		2.5%			
SVT-AV1 - Preset 12 - Bosphorus 1080p (FPS)	170.698	174.981	174.413	175.724	174.059
Normalized	97.14%	99.58%	99.25%	100%	99.05%
Standard Deviation		0.2%			
libavif avifenc - 0 (sec)	444.302	503.364	505.705	503.588	463.682
Normalized	100%	88.27%	87.86%	88.23%	95.82%
Standard Deviation		0.2%			
libavif avifenc - 2 (sec)	182.74	223.475	222.577	222.632	183.44
Normalized	100%	81.77%	82.1%	82.08%	99.62%
Standard Deviation		0.3%			
libavif avifenc - 6 (sec)	31.354	34.244	31.088	31.217	30.295
Normalized	96.62%	88.47%	97.45%	97.05%	100%
Standard Deviation		3.1%			
libavif avifenc - 6, Lossless (sec)	39.995	40.829	40.219	39.96	39.898
Normalized	99.76%	97.72%	99.2%	99.84%	100%
Standard Deviation		1.3%			
libavif avifenc - 10, Lossless	12.95	13.023	12.874	12.881	12.89
Normalized	99.41%	98.86%	100%	99.95%	99.88%
Standard Deviation		0.4%			
WebP2 Image Encode - Default (sec)	9.287	10.422	9.301	9.269	9.355
Normalized	99.81%	88.94%	99.66%	100%	99.08%
Standard Deviation		3.3%			
WebP2 Image Encode - Q.7.C.E.7 (sec)	704.168	705.007	736.392	704.516	703.022
Normalized	99.84%	99.72%	95.47%	99.79%	100%
Standard Deviation		0.2%			
WebP2 Image Encode - Q.9.C.E.7 (sec)	1452	1451	1487	1449	1455
Normalized	99.82%	99.88%	97.49%	100%	99.64%
Standard Deviation		0.1%			
WebP2 Image Encode - Q.1.C.E.5 (sec)	16.678	19.448	17.105	17.063	16.669
Normalized	99.95%	85.71%	97.45%	97.69%	100%
Standard Deviation		4.6%			

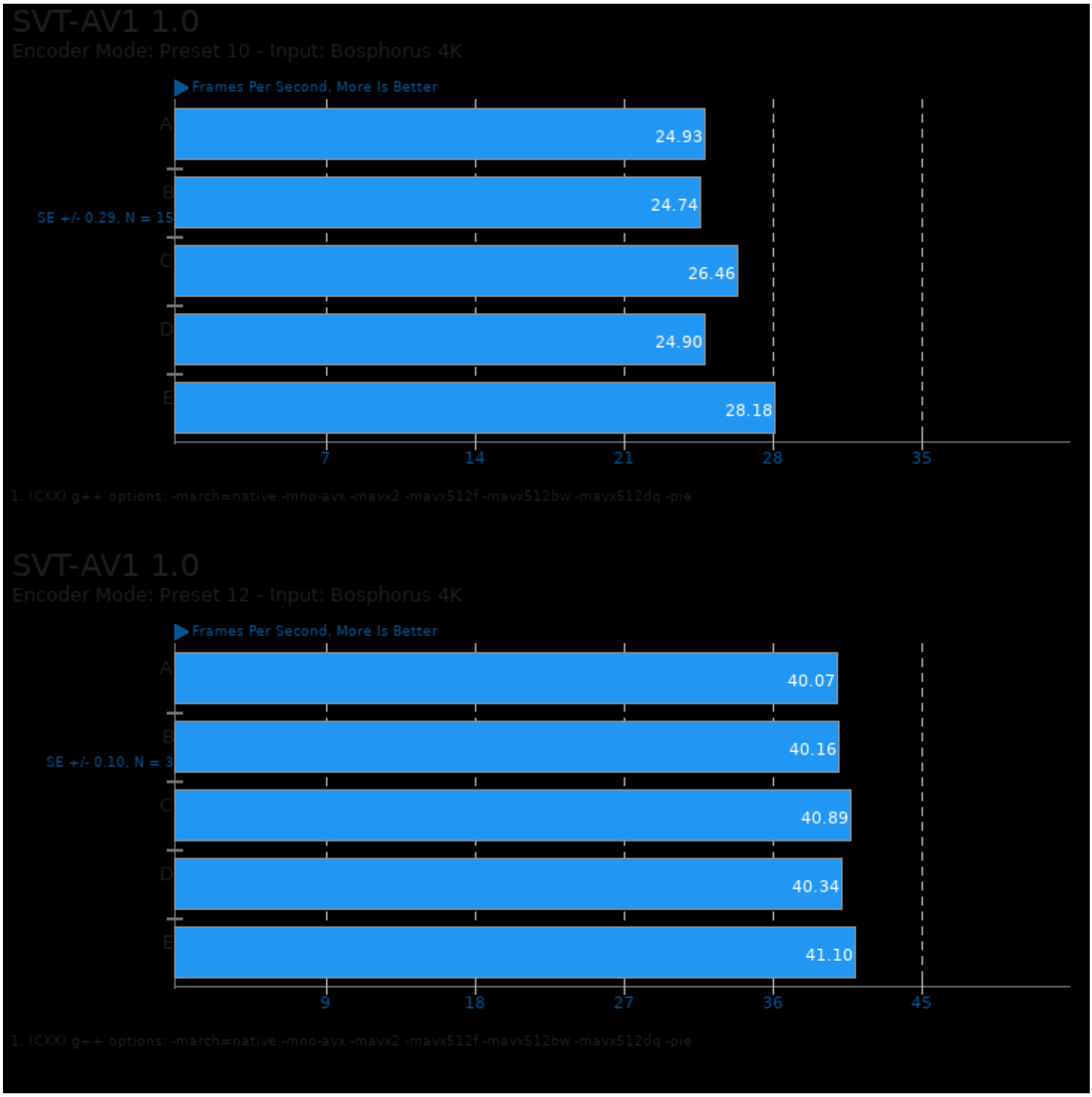
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WebP2 Image Encode - Q.1.L.C (sec)	3107	3113	3107	3105	3108
Normalized	99.94%	99.75%	99.93%	100%	99.9%
Standard Deviation		0.4%			
Stress-NG - MMAP (Bogo Ops/s)	40.83	37.21	40.32	40.27	40.88
Normalized	99.88%	91.02%	98.63%	98.51%	100%
Standard Deviation		3%			
Stress-NG - NUMA (Bogo Ops/s)	83.35	80.76	84.74	84.01	83.68
Normalized	98.36%	95.3%	100%	99.14%	98.75%
Standard Deviation		2.4%			
Stress-NG - Futex (Bogo Ops/s)	881109	840450	828120	1052617	858449
Normalized	83.71%	79.84%	78.67%	100%	81.55%
Standard Deviation		6.9%			
Stress-NG - MEMFD (Bogo	241.14	226.78	235.17	237.01	239.26
Normalized	100%	94.04%	97.52%	98.29%	99.22%
Standard Deviation		2.4%			
Stress-NG - Atomic (Bogo Ops/s)	212262	213098	211847	213380	198952
Normalized	99.48%	99.87%	99.28%	100%	93.24%
Standard Deviation		0.6%			
Stress-NG - Crypto (Bogo Ops/s)	4314	4316	4059	4063	4064
Normalized	99.96%	100%	94.06%	94.14%	94.17%
Standard Deviation		0.1%			
Stress-NG - Malloc (Bogo Ops/s)	1354905	1350277	1205740	1205444	1198514
Normalized	100%	99.66%	88.99%	88.97%	88.46%
Standard Deviation		1%			
Stress-NG - Forking (Bogo	30051	29543	25094	25487	25197
Normalized	100%	98.31%	83.5%	84.81%	83.85%
Standard Deviation		1.3%			
Stress-NG - SENDFILE (Bogo Ops/s)	72947	57096	63853	64112	63965
Normalized	100%	78.27%	87.53%	87.89%	87.69%
Standard Deviation		3.5%			
Stress-NG - CPU Cache (Bogo Ops/s)	112.33	108.32	105.8	111.56	108.9
Normalized	100%	96.43%	94.19%	99.31%	96.95%
Standard Deviation		2.1%			
Stress-NG - CPU Stress (Bogo Ops/s)	6606	5949	6179	6205	6186
Normalized	100%	90.06%	93.54%	93.92%	93.64%
Standard Deviation		2.4%			
Stress-NG - Semaphores (Bogo Ops/s)	802393	802706	802926	801701	803310
Normalized	99.89%	99.92%	99.95%	99.8%	100%
Standard Deviation		0%			
Stress-NG - Matrix Math (Bogo Ops/s)	18071	14505	18141	18147	18116
Normalized	99.59%	79.93%	99.97%	100%	99.83%
Standard Deviation		3%			
Stress-NG - Vector Math (Bogo Ops/s)	15020	12607	14990	14978	14997
Normalized	100%	83.94%	99.8%	99.72%	99.85%
Standard Deviation		2.2%			

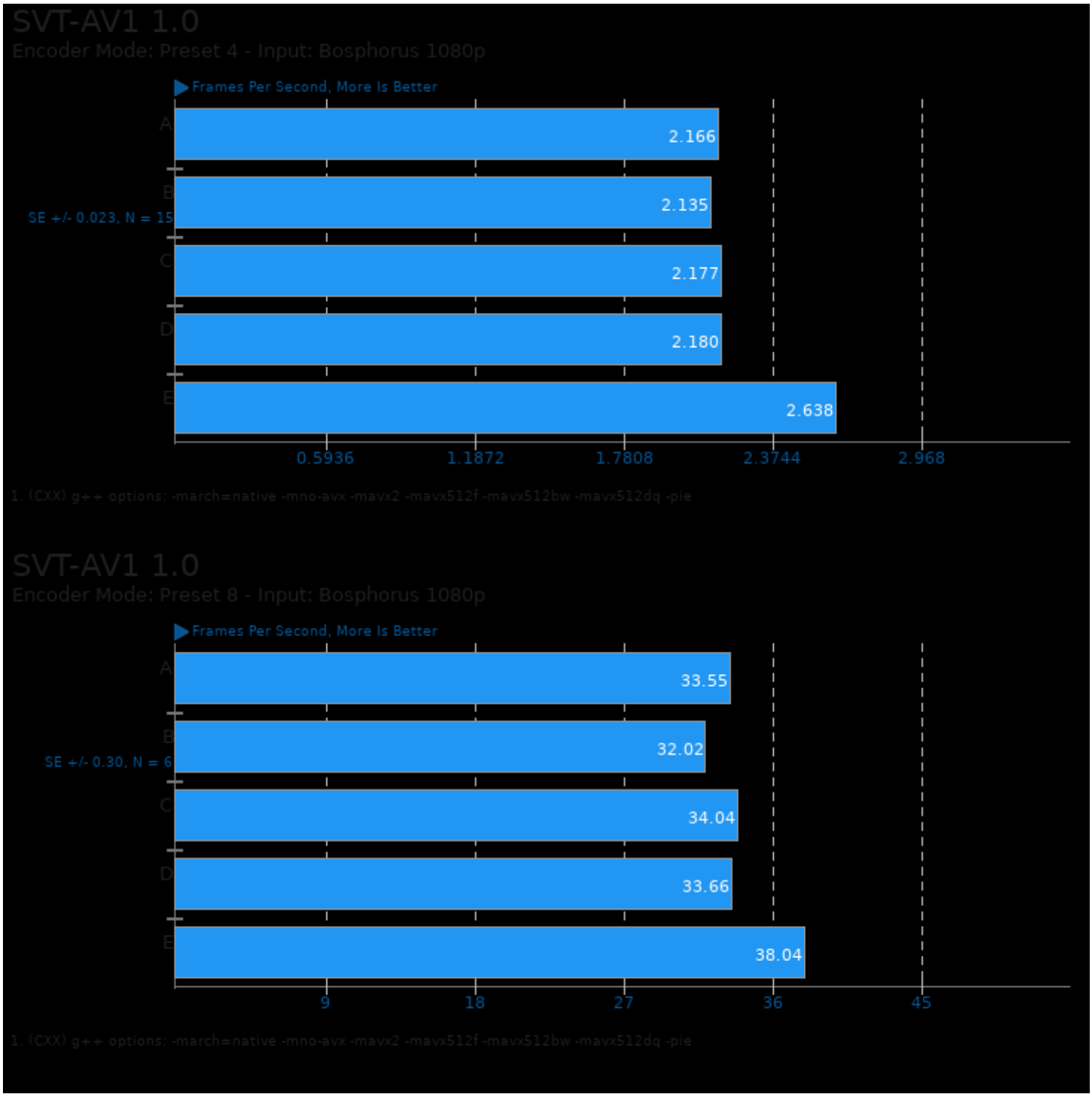
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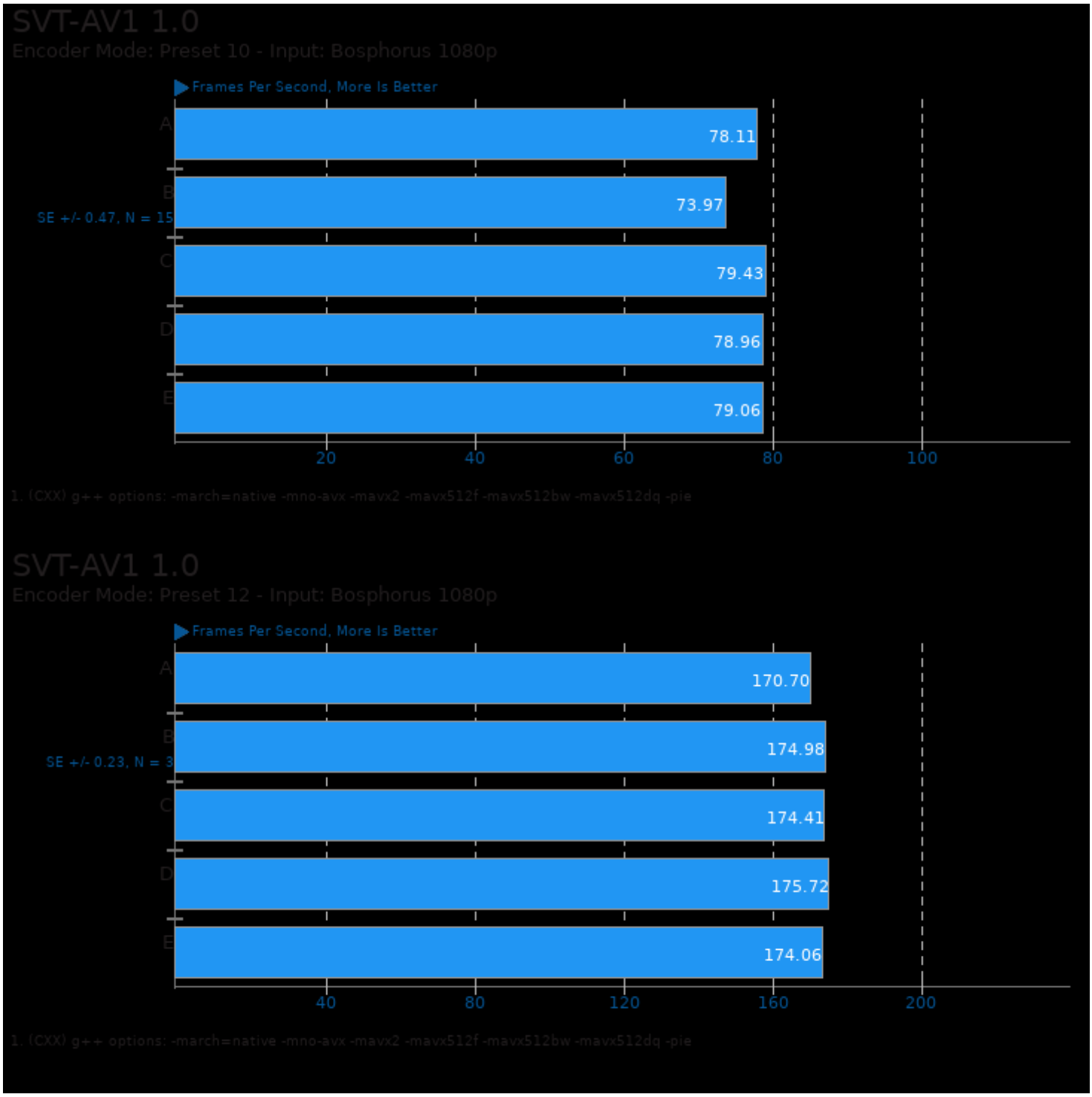
Stress-NG - x86_64 RdRand (Bogo Ops/s)	37286	37291	37277	37325	37290
Normalized	99.89%	99.91%	99.87%	100%	99.91%
Standard Deviation		0.1%			
Stress-NG - Memory Copying (Bogo Ops/s)	1577	1535	1549	1531	1581
Normalized	99.7%	97.05%	97.94%	96.83%	100%
Standard Deviation		0.7%			
Stress-NG - Socket Activity (Bogo Ops/s)	7158	6126	7175	7220	7217
Normalized	99.15%	84.85%	99.38%	100%	99.96%
Standard Deviation		6.6%			
Stress-NG - Context Switching (Bogo Ops/s)	1406133	1112649	1393850	1398942	1397441
Normalized	100%	79.13%	99.13%	99.49%	99.38%
Standard Deviation		2%			
Stress-NG - G.C.S.F (Bogo	527686	411639	513290	519701	523663
Normalized	100%	78.01%	97.27%	98.49%	99.24%
Standard Deviation		2.6%			
Stress-NG - G.Q.D.S (Bogo	64.97	51.33	65.43	64.67	65.23
Normalized	99.3%	78.45%	100%	98.84%	99.69%
Standard Deviation		2.3%			
Stress-NG - S.V.M.P (Bogo	3445238	3410840	3476282	3460822	3443594
Normalized	99.11%	98.12%	100%	99.56%	99.06%
Standard Deviation		0.1%			
Java JMH - Throughput (Ops/s)	8219640326	7488283992	8233599702	8203986273	8219623141
Normalized	99.83%	90.95%	100%	99.64%	99.83%
InfluxDB - 4 - 10000 - 2,5000,1 - 10000 (val/sec)	793966	700310	792370	794258	794007
Normalized	99.96%	88.17%	99.76%	100%	99.97%
Standard Deviation		0.1%			
InfluxDB - 64 - 10000 - 2,5000,1 - 10000 (val/sec)	720648	720104	720062	718704	721331
Normalized	99.91%	99.83%	99.82%	99.64%	100%
Standard Deviation		1%			

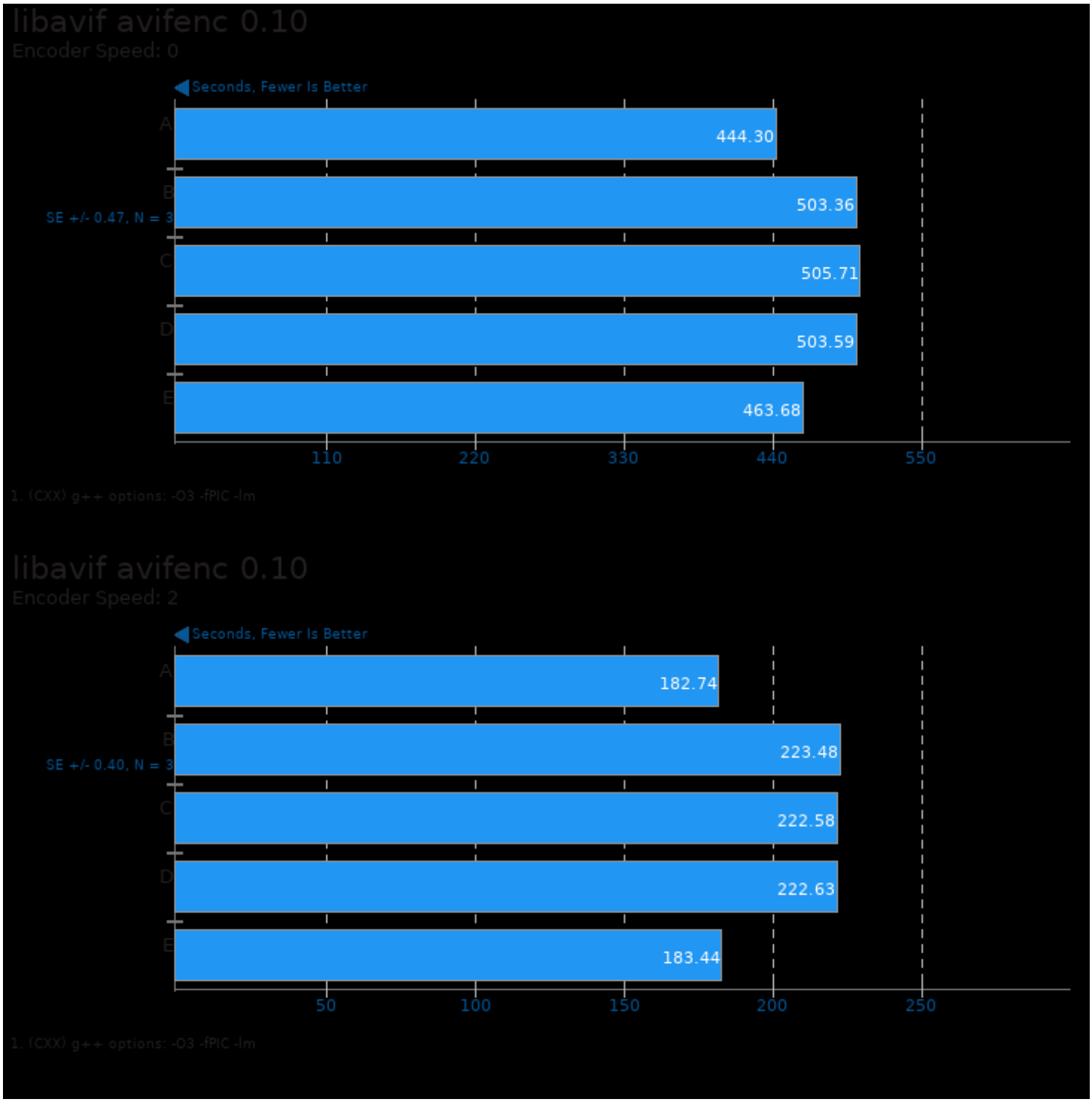

SVT-AV1 1.0
Encoder Mode: Preset 4 - Input: Bosphorus 4K
Frames Per Second, More Is Better
A
0.749
B
0.628
SE +/- 0.003, N = 3
C
0.779
D
0.757
E
0.777
0.1753
0.3506
0.5259
0.7012
0.8765
1. (CXX) g++ options: -march=native -mno-avx -mavx2 -mavx512f -mavx512bw -mavx512dq -pie
SVT-AV1 1.0
Encoder Mode: Preset 8 - Input: Bosphorus 4K
Frames Per Second, More Is Better
A
8.859
B
8.865
SE +/- 0.096, N = 15
C
10.609
D
8.849
E
10.637
3
6
9
12
15
1. (CXX) g++ options: -march=native -mno-avx -mavx2 -mavx512f -mavx512bw -mavx512dq -pie

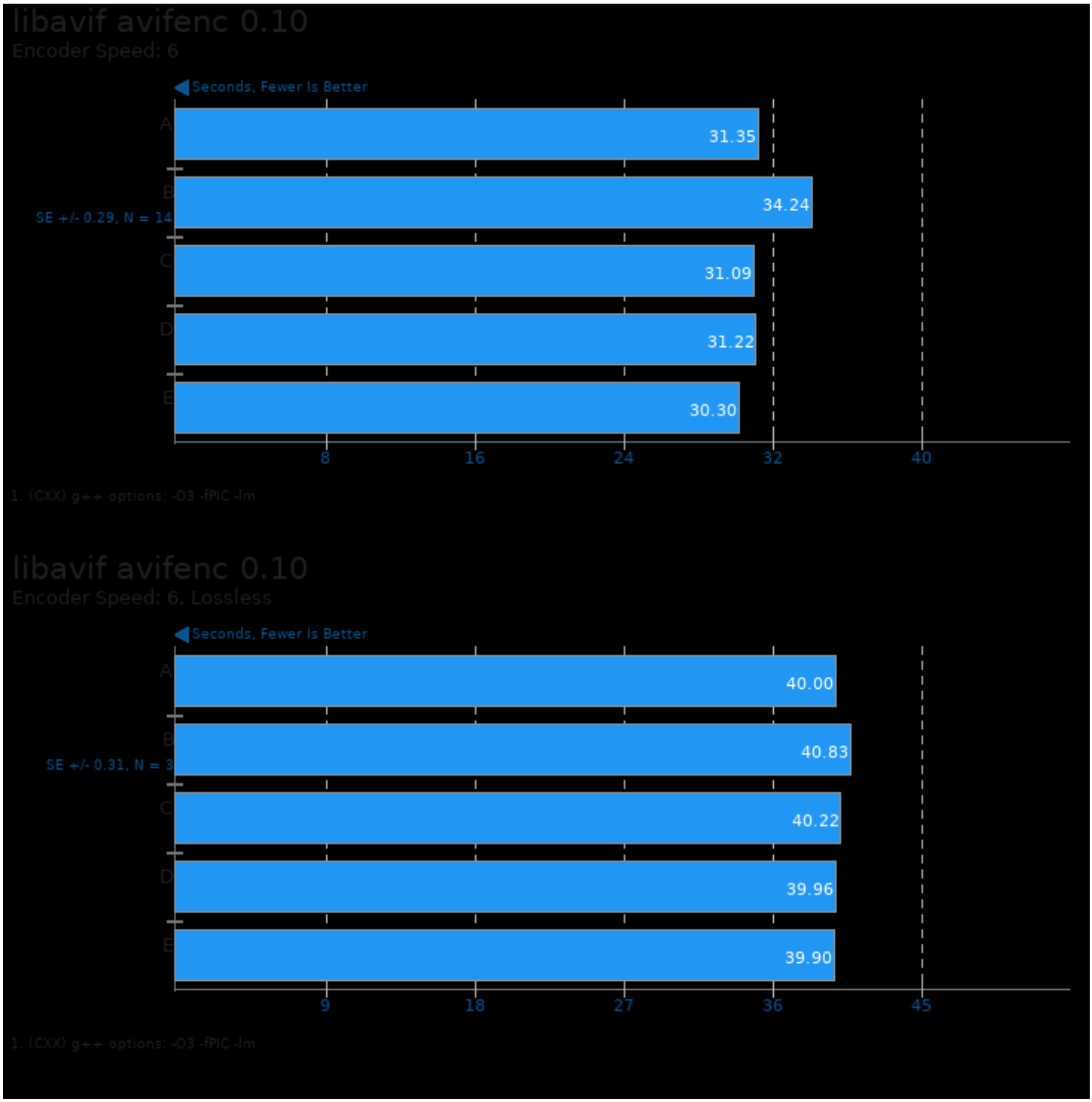

SVT-AV1 1.0
Encoder Mode: Preset 10 - Input: Bosphorus 4K
Frames Per Second, More Is Better
A
B
C
D
E
24.93
24.74
26.46
24.90
28.18
SE +/- 0.29, N = 15
7
14
21
28
35
1. (CXX) g++ options: -march=native -mno-avx -mavx2 -mavx512f -mavx512bw -mavx512dq -pie

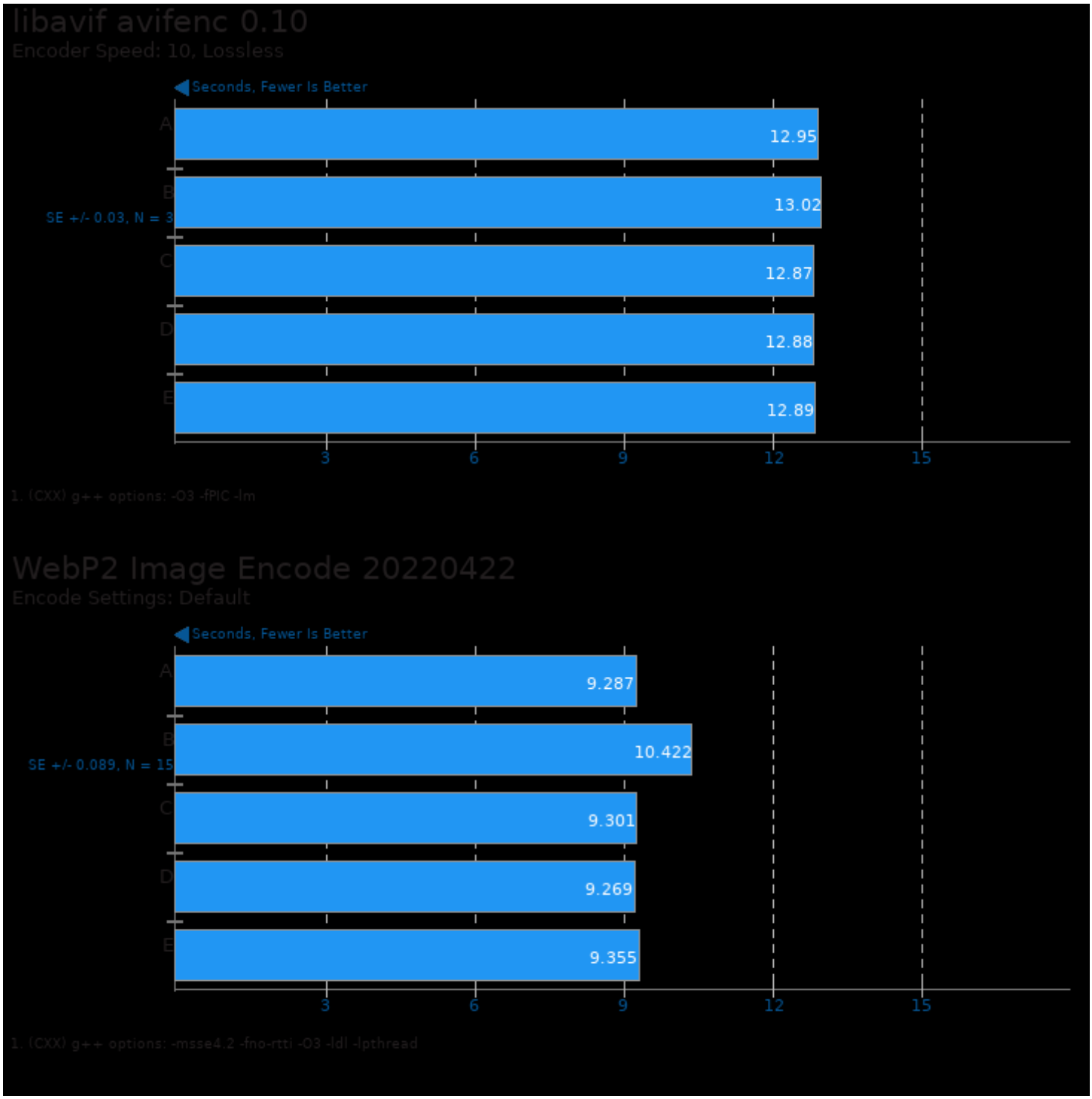
SVT-AV1 1.0
Encoder Mode: Preset 12 - Input: Bosphorus 4K
Frames Per Second, More Is Better
A
B
C
D
E
40.07
40.16
40.89
40.34
41.10
SE +/- 0.10, N = 3
9
18
27
36
45
1. (CXX) g++ options: -march=native -mno-avx -mavx2 -mavx512f -mavx512bw -mavx512dq -pie

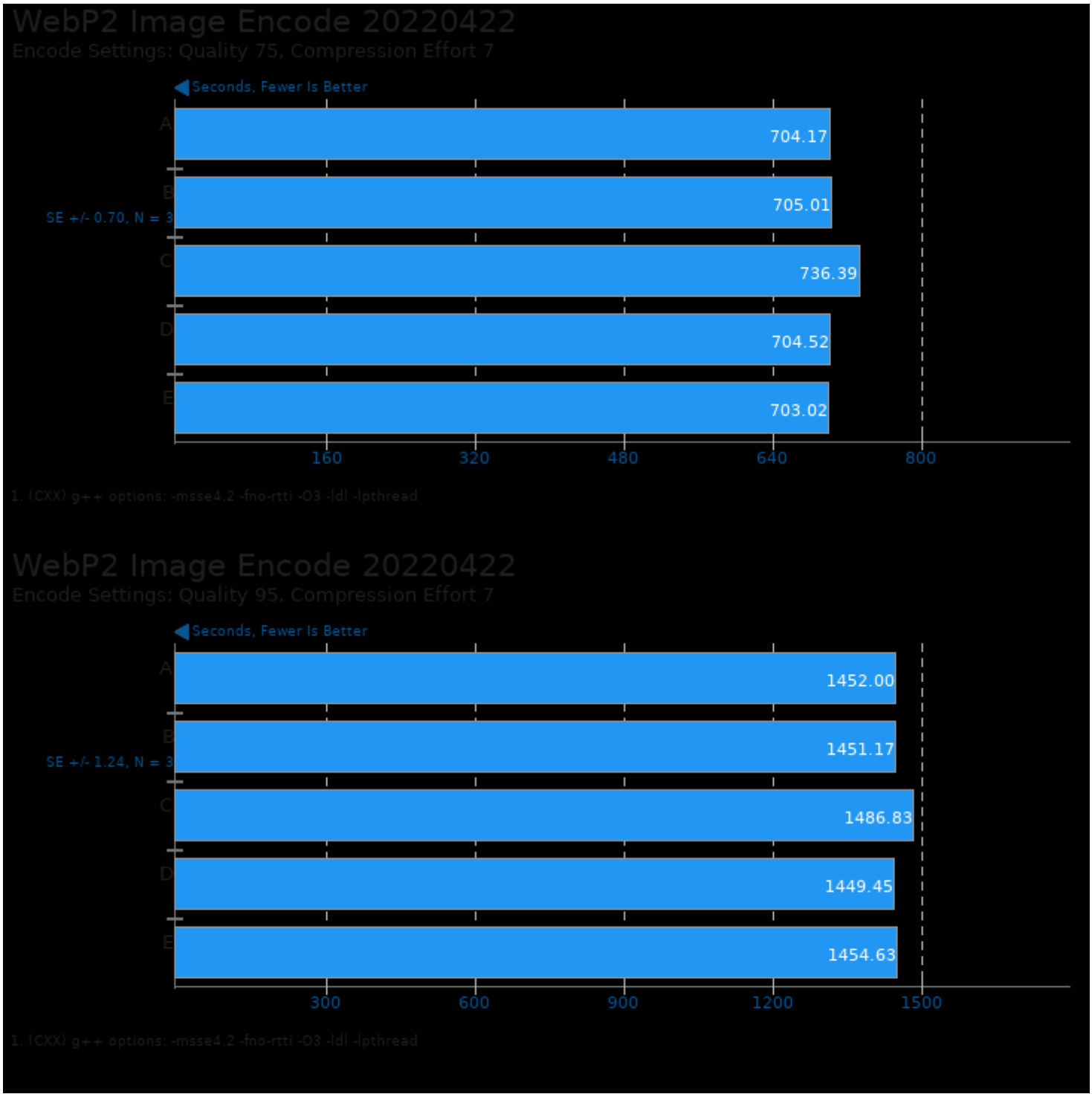

SVT-AV1 1.0
Encoder Mode: Preset 4 - Input: Bosphorus 1080p
Frames Per Second, More Is Better
A
2.166
B
2.135
SE +/- 0.023, N = 15
C
2.177
D
2.180
E
2.638
0.5936
1.1872
1.7808
2.3744
2.968
1. (CXX) g++ options: -march=native -mno-avx -mavx2 -mavx512f -mavx512bw -mavx512dq -pie
SVT-AV1 1.0
Encoder Mode: Preset 8 - Input: Bosphorus 1080p
Frames Per Second, More Is Better
A
33.55
B
32.02
SE +/- 0.30, N = 6
C
34.04
D
33.66
E
38.04
9
18
27
36
45
1. (CXX) g++ options: -march=native -mno-avx -mavx2 -mavx512f -mavx512bw -mavx512dq -pie

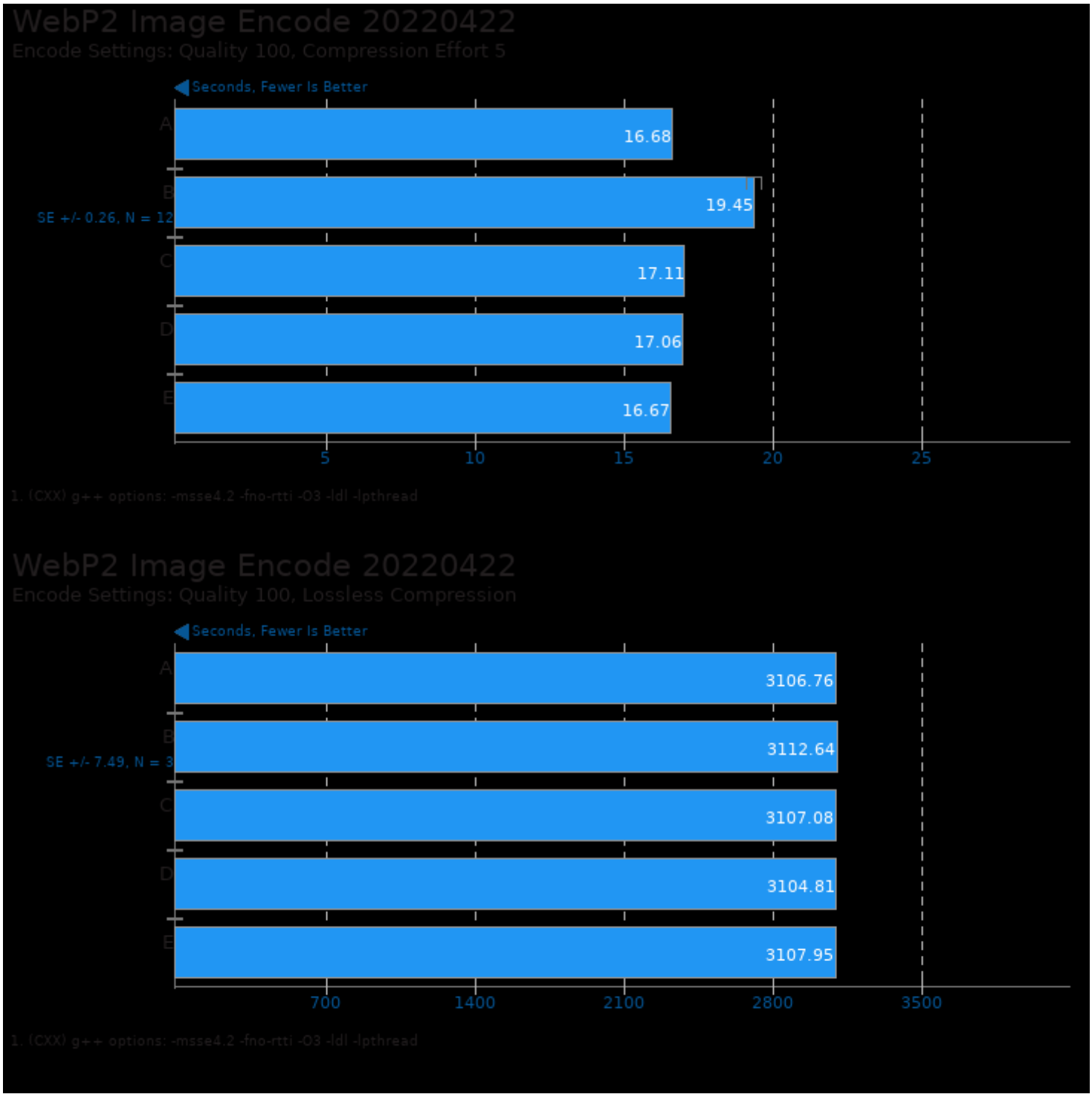

SVT-AV1 1.0
Encoder Mode: Preset 10 - Input: Bosphorus 1080p
Frames Per Second, More Is Better
A
78.11
B
73.97
SE +/- 0.47, N = 15
C
79.43
D
78.96
E
79.06
20
40
60
80
100
1. (CXX) g++ options: -march=native -mno-avx -mavx2 -mavx512f -mavx512bw -mavx512dq -pie
SVT-AV1 1.0
Encoder Mode: Preset 12 - Input: Bosphorus 1080p
Frames Per Second, More Is Better
A
170.70
B
174.98
SE +/- 0.23, N = 3
C
174.41
D
175.72
E
174.06
40
80
120
160
200
1. (CXX) g++ options: -march=native -mno-avx -mavx2 -mavx512f -mavx512bw -mavx512dq -pie

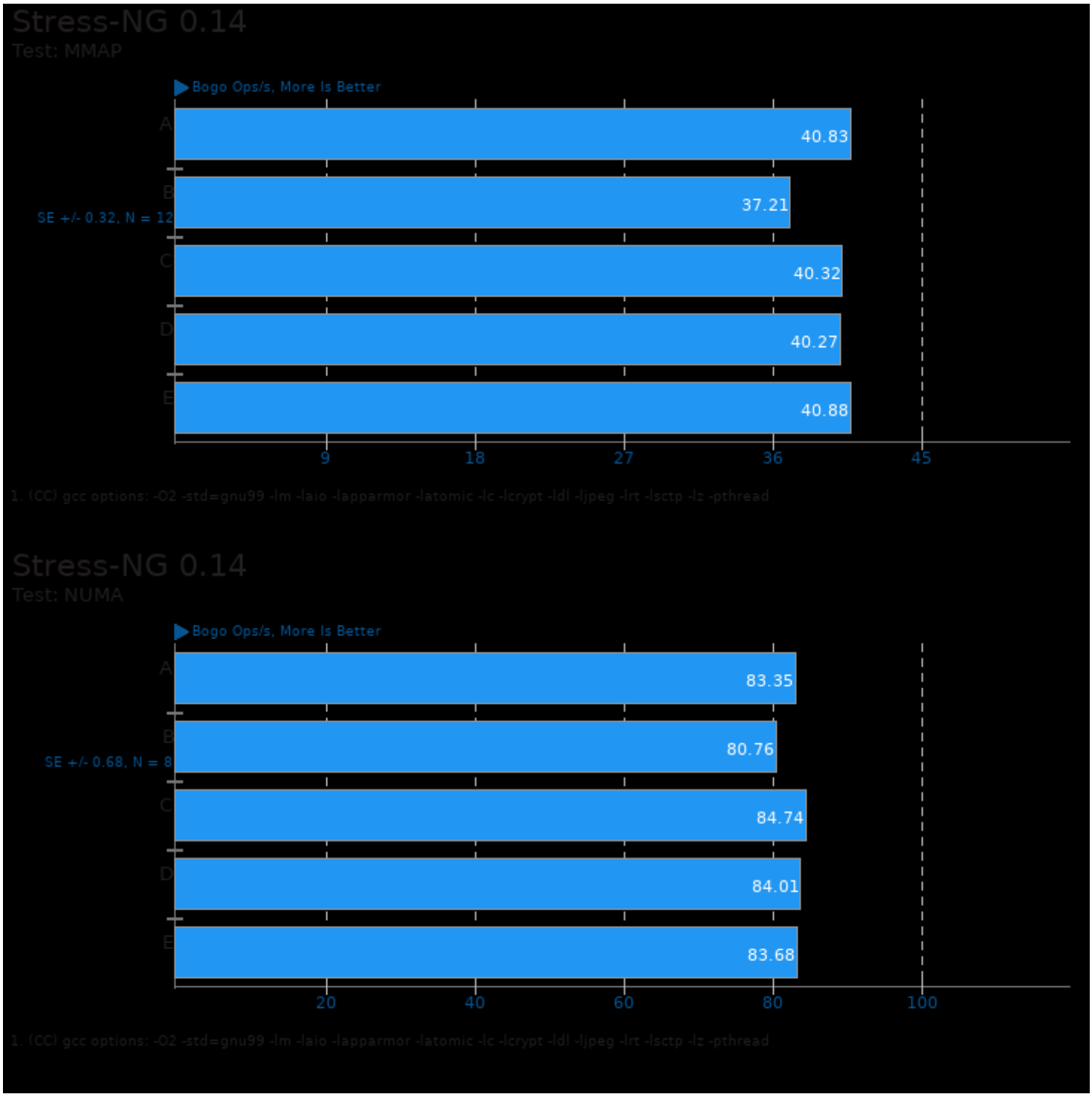

libavif avifenc 0.10
Encoder Speed: 0
Seconds, Fewer Is Better
A
444.30
B
503.36
SE +/- 0.47, N = 3
C
505.71
D
503.59
E
463.68
110
220
330
440
550
1. (CXX) g++ options: -O3 -fPIC -lm
libavif avifenc 0.10
Encoder Speed: 2
Seconds, Fewer Is Better
A
182.74
B
223.48
SE +/- 0.40, N = 3
C
222.58
D
222.63
E
183.44
50
100
150
200
250
1. (CXX) g++ options: -O3 -fPIC -lm

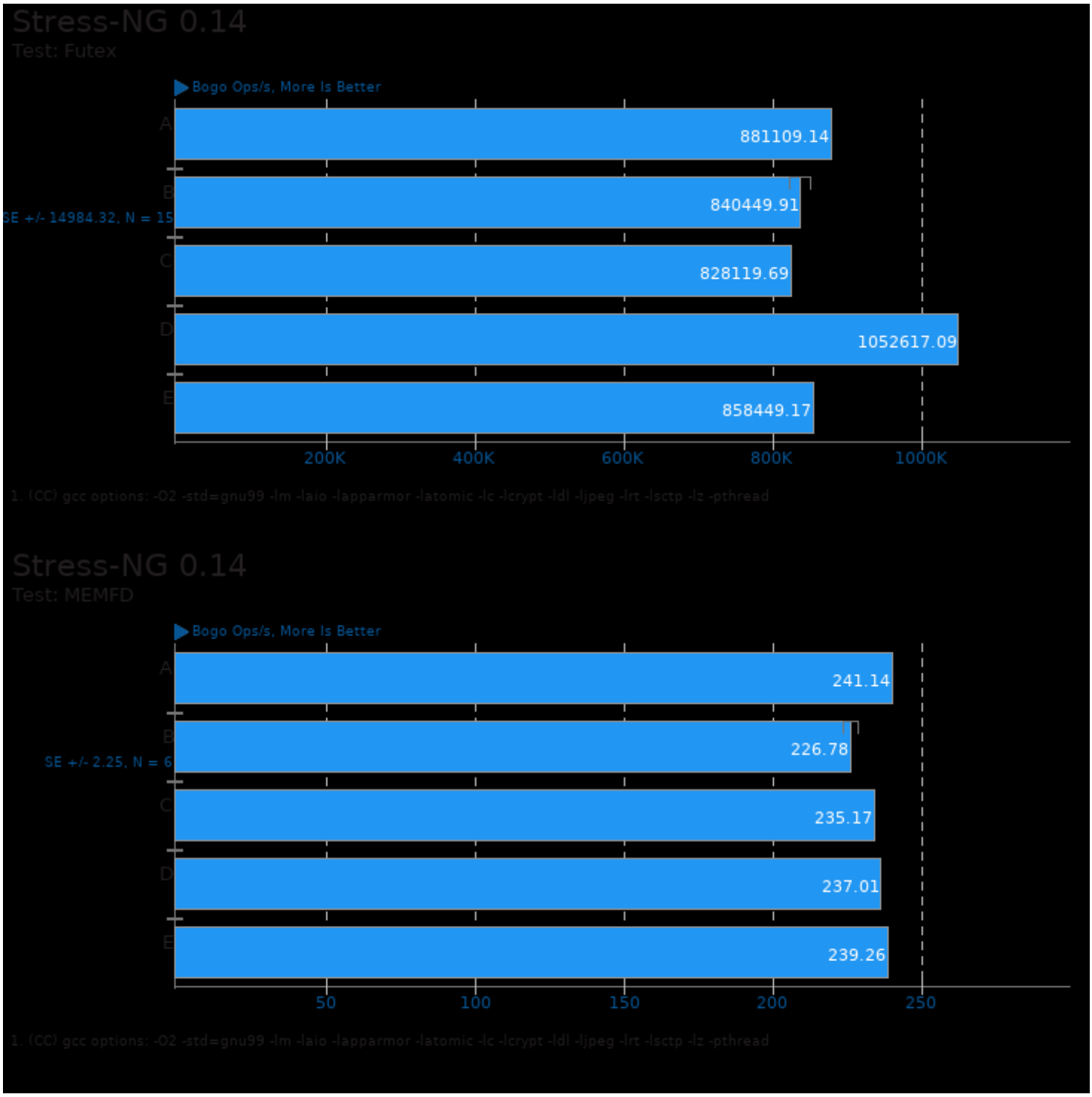

libavif avifenc 0.10
Encoder Speed: 6
Seconds, Fewer Is Better
A
B
C
D
E
31.35
34.24
31.09
31.22
30.30
SE +/- 0.29, N = 14
8
16
24
32
40
1. (CXX) g++ options: -O3 -fPIC -lm
libavif avifenc 0.10
Encoder Speed: 6, Lossless
Seconds, Fewer Is Better
A
B
C
D
E
40.00
40.83
40.22
39.96
39.90
SE +/- 0.31, N = 3
9
18
27
36
45
1. (CXX) g++ options: -O3 -fPIC -lm

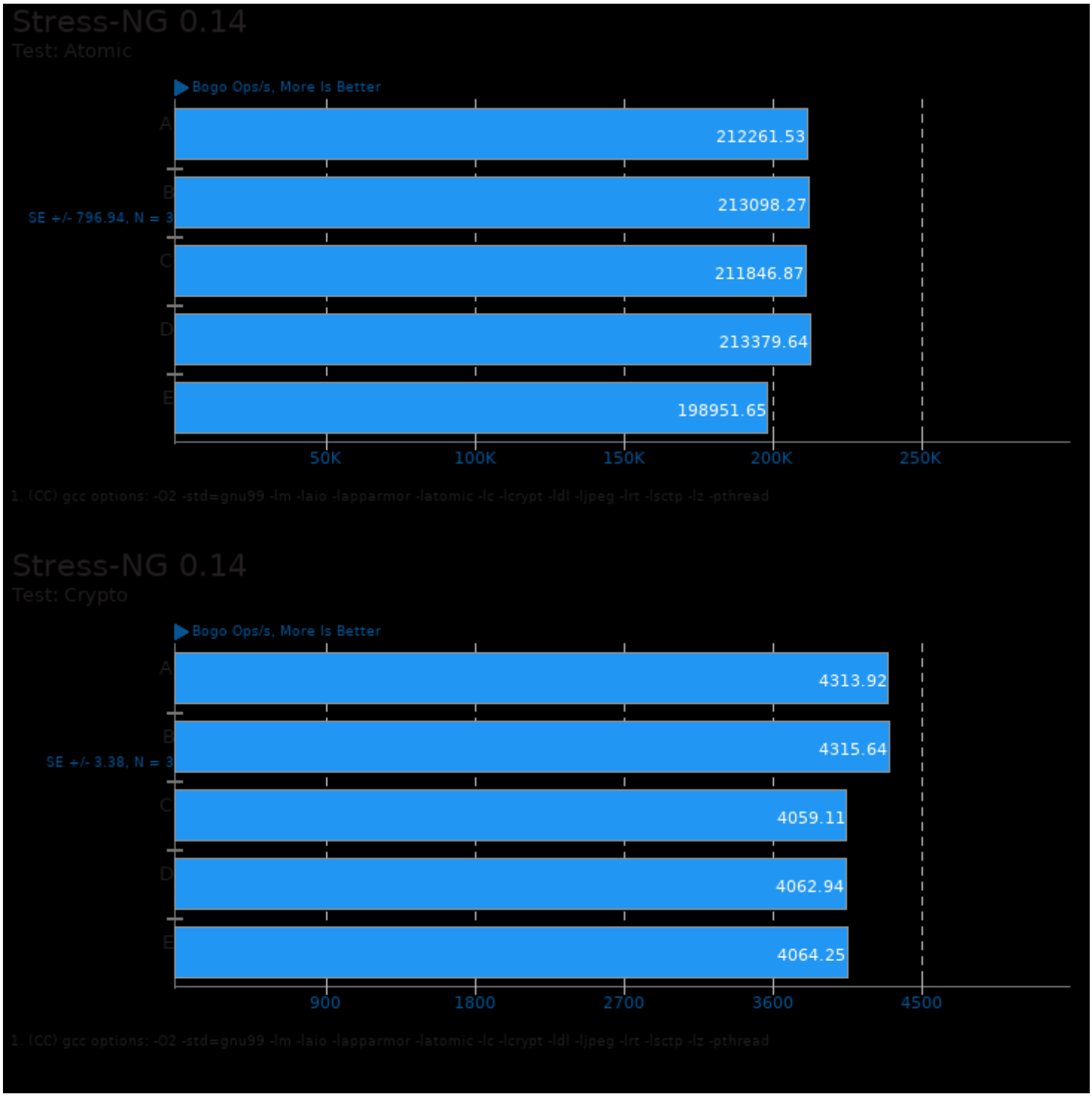

libavif avifenc 0.10
Encoder Speed: 10, Lossless
Seconds, Fewer Is Better
A
B
C
D
E
12.95
13.02
12.87
12.88
12.89
SE +/- 0.03, N = 3
3
6
9
12
15
1. (CXX) g++ options: -O3 -fPIC -lm
WebP2 Image Encode 20220422
Encode Settings: Default
Seconds, Fewer Is Better
A
B
C
D
E
9.287
10.422
9.301
9.269
9.355
SE +/- 0.089, N = 15
3
6
9
12
15
1. (CXX) g++ options: -msse4.2 -fno-rtti -O3 -ldl -lpthread

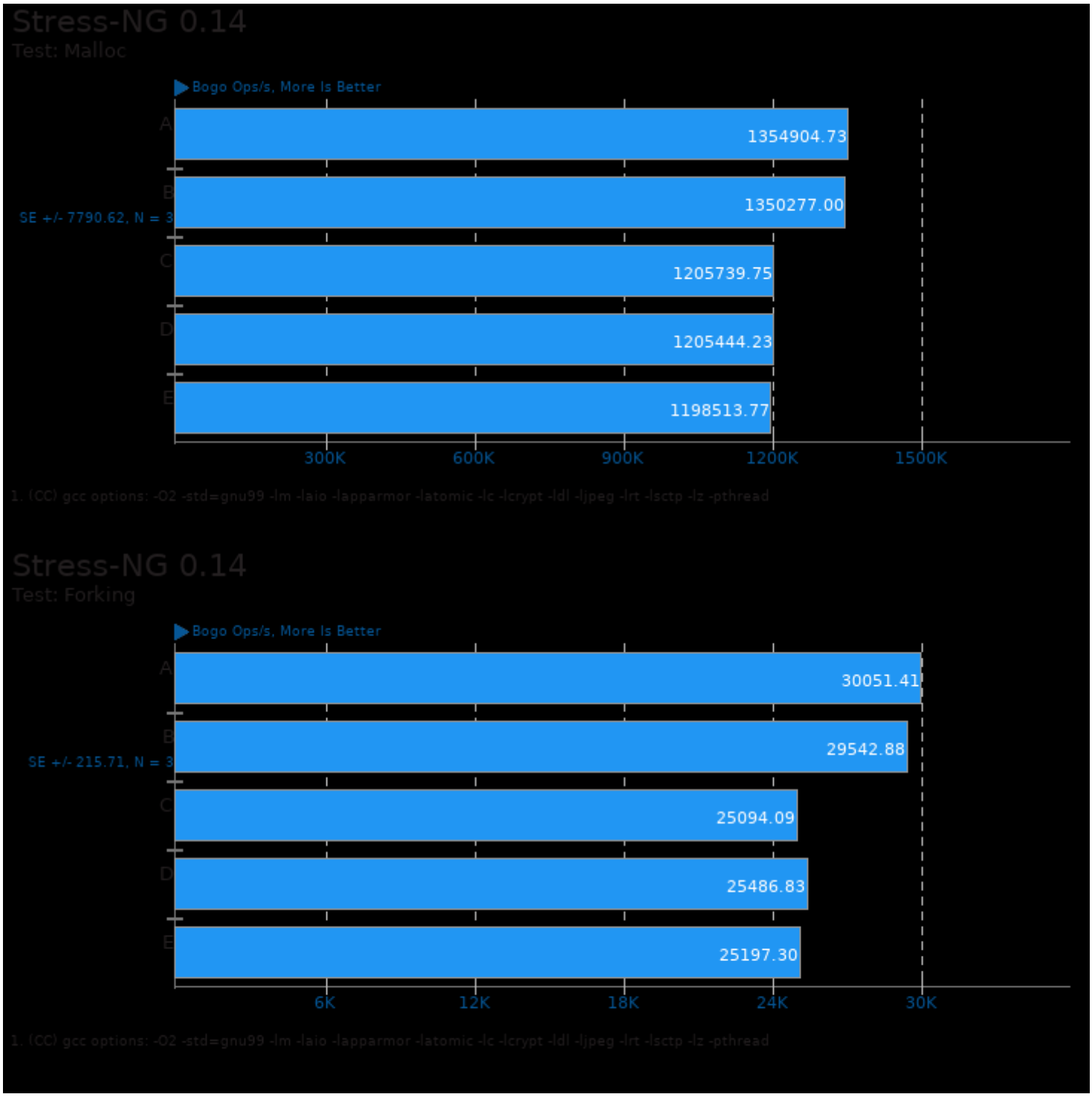

WebP2 Image Encode 20220422
Encode Settings: Quality 75, Compression Effort 7
Seconds, Fewer Is Better
A
B
C
D
E
704.17
705.01
736.39
704.52
703.02
SE +/- 0.70, N = 3
160
320
480
640
800
1. (CXX) g++ options: -msse4.2 -fno-rtti -O3 -ldl -lpthread
WebP2 Image Encode 20220422
Encode Settings: Quality 95, Compression Effort 7
Seconds, Fewer Is Better
A
B
C
D
E
1452.00
1451.17
1486.83
1449.45
1454.63
SE +/- 1.24, N = 3
300
600
900
1200
1500
1. (CXX) g++ options: -msse4.2 -fno-rtti -O3 -ldl -lpthread

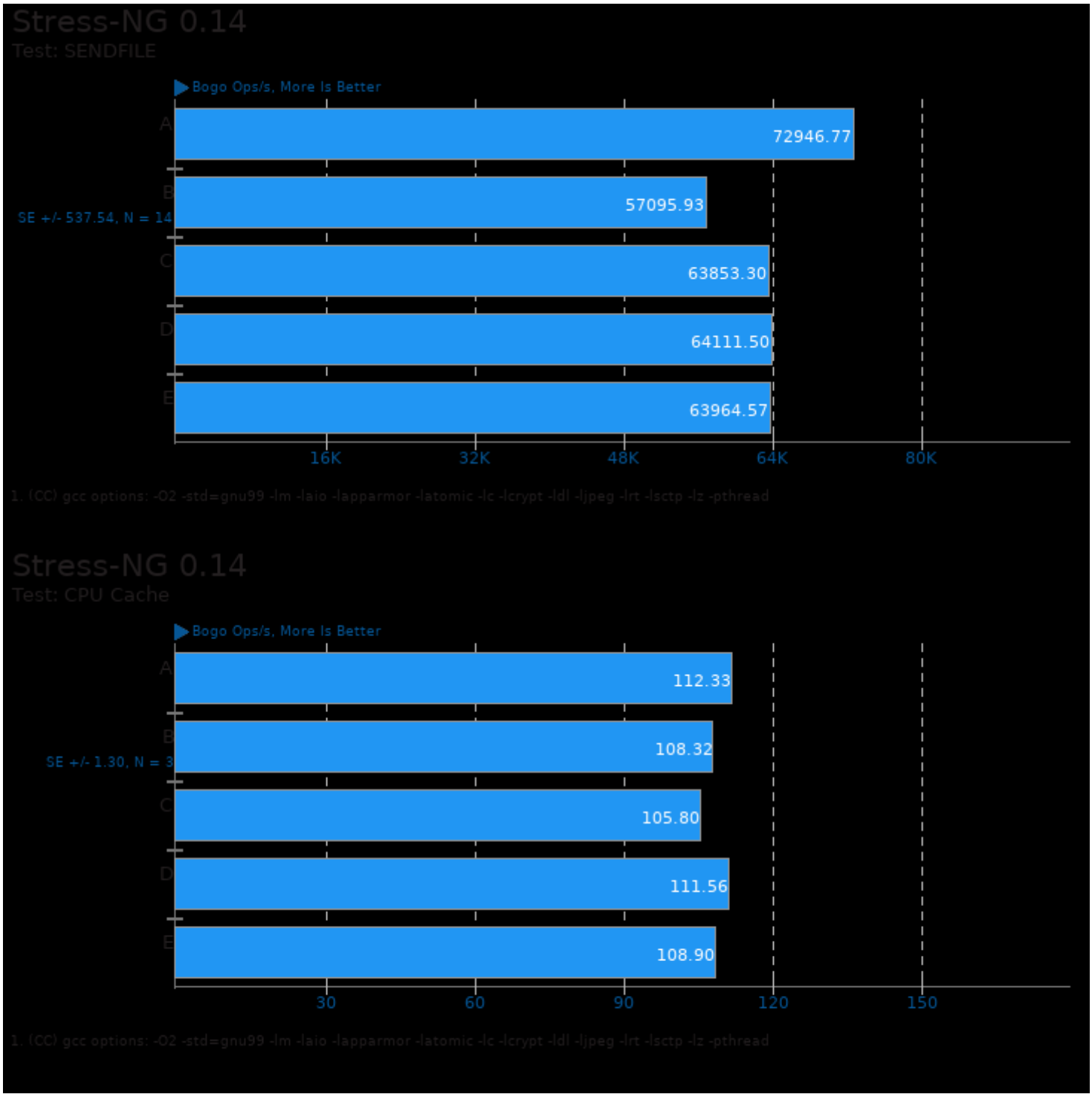

WebP2 Image Encode 20220422
Encode Settings: Quality 100, Compression Effort 5
Seconds, Fewer Is Better
A
B
C
D
E
16.68
19.45
17.11
17.06
16.67
SE +/- 0.26, N = 12
5
10
15
20
25
1. (CXX) g++ options: -msse4.2 -fno-rtti -O3 -ldl -lpthread
WebP2 Image Encode 20220422
Encode Settings: Quality 100, Lossless Compression
Seconds, Fewer Is Better
A
B
C
D
E
3106.76
3112.64
3107.08
3104.81
3107.95
SE +/- 7.49, N = 3
700
1400
2100
2800
3500
1. (CXX) g++ options: -msse4.2 -fno-rtti -O3 -ldl -lpthread

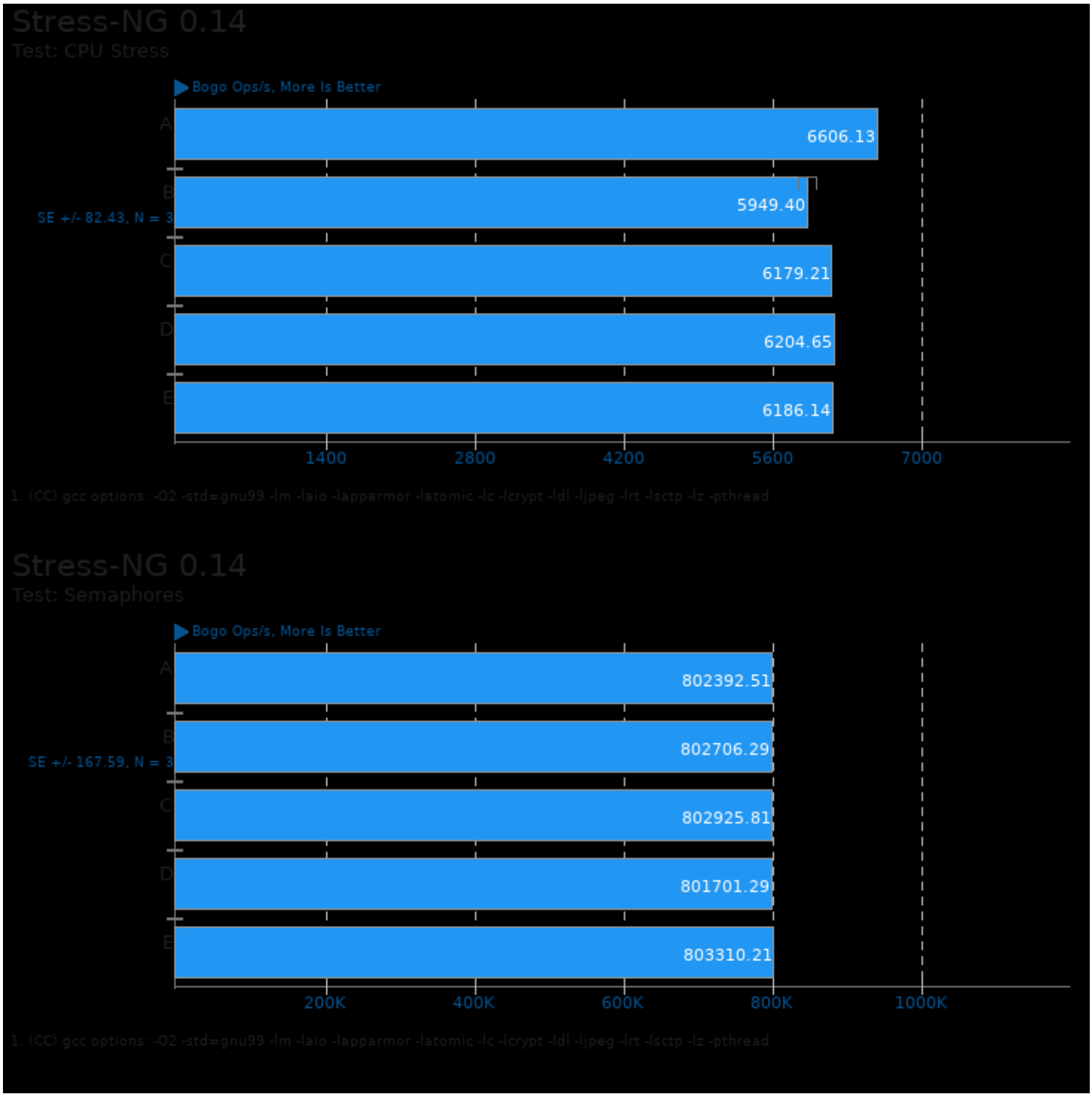

Stress-NG 0.14
Test: MMAP
Bogo Ops/s, More Is Better
A
B
C
D
E
40.83
37.21
40.32
40.27
40.88
SE +/- 0.32, N = 12
9
18
27
36
45
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14
Test: NUMA
Bogo Ops/s, More Is Better
A
B
C
D
E
83.35
80.76
84.74
84.01
83.68
SE +/- 0.68, N = 8
20
40
60
80
100
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread

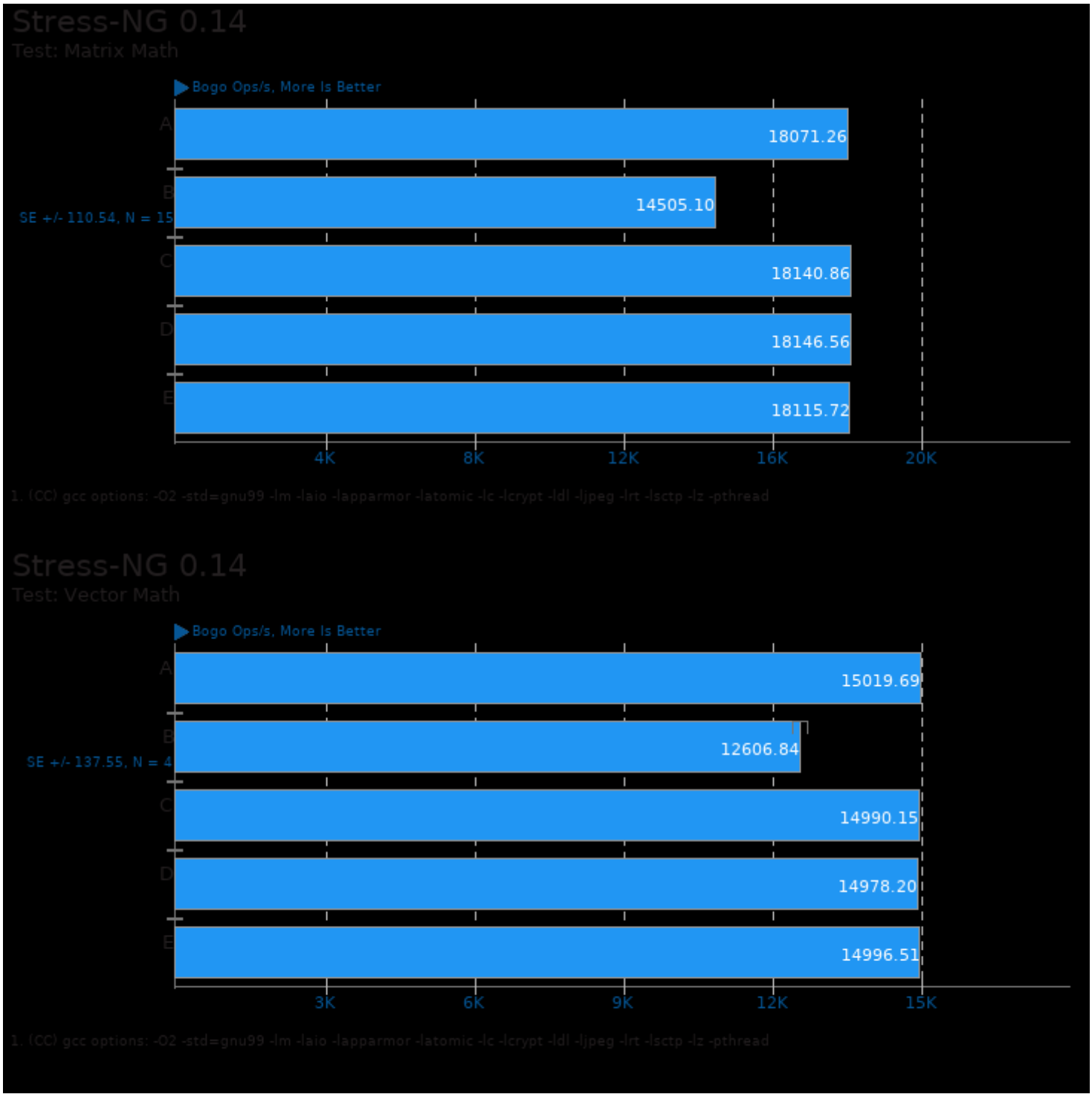

Stress-NG 0.14
Test: Futex
Bogo Ops/s, More Is Better
A
B
C
D
E
881109.14
840449.91
828119.69
1052617.09
858449.17
SE +/- 14984.32, N = 15
200K
400K
600K
800K
1000K
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14
Test: MEMFD
Bogo Ops/s, More Is Better
A
B
C
D
E
241.14
226.78
235.17
237.01
239.26
SE +/- 2.25, N = 6
50
100
150
200
250
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread

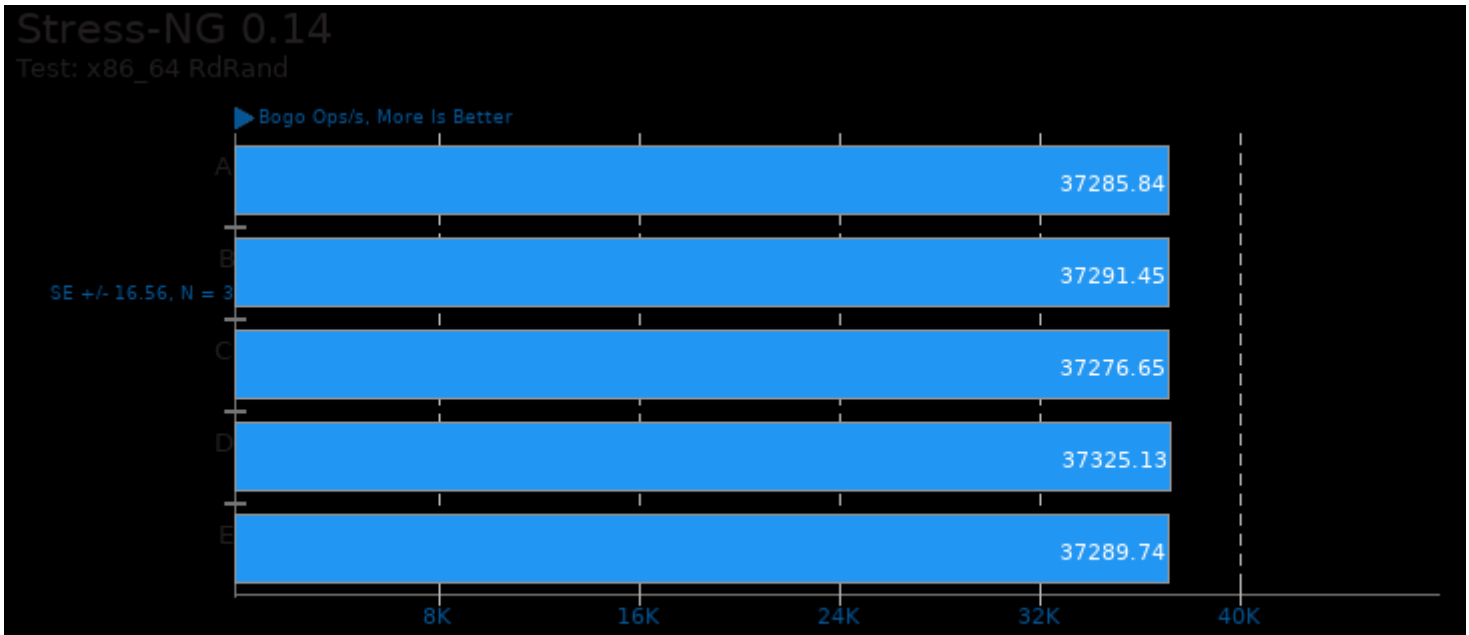

Stress-NG 0.14
Test: Atomic
Bogo Ops/s, More Is Better
A
B
C
D
E
212261.53
213098.27
211846.87
213379.64
198951.65
SE +/- 796.94, N = 3
50K
100K
150K
200K
250K
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14
Test: Crypto
Bogo Ops/s, More Is Better
A
B
C
D
E
4313.92
4315.64
4059.11
4062.94
4064.25
SE +/- 3.38, N = 3
900
1800
2700
3600
4500
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread

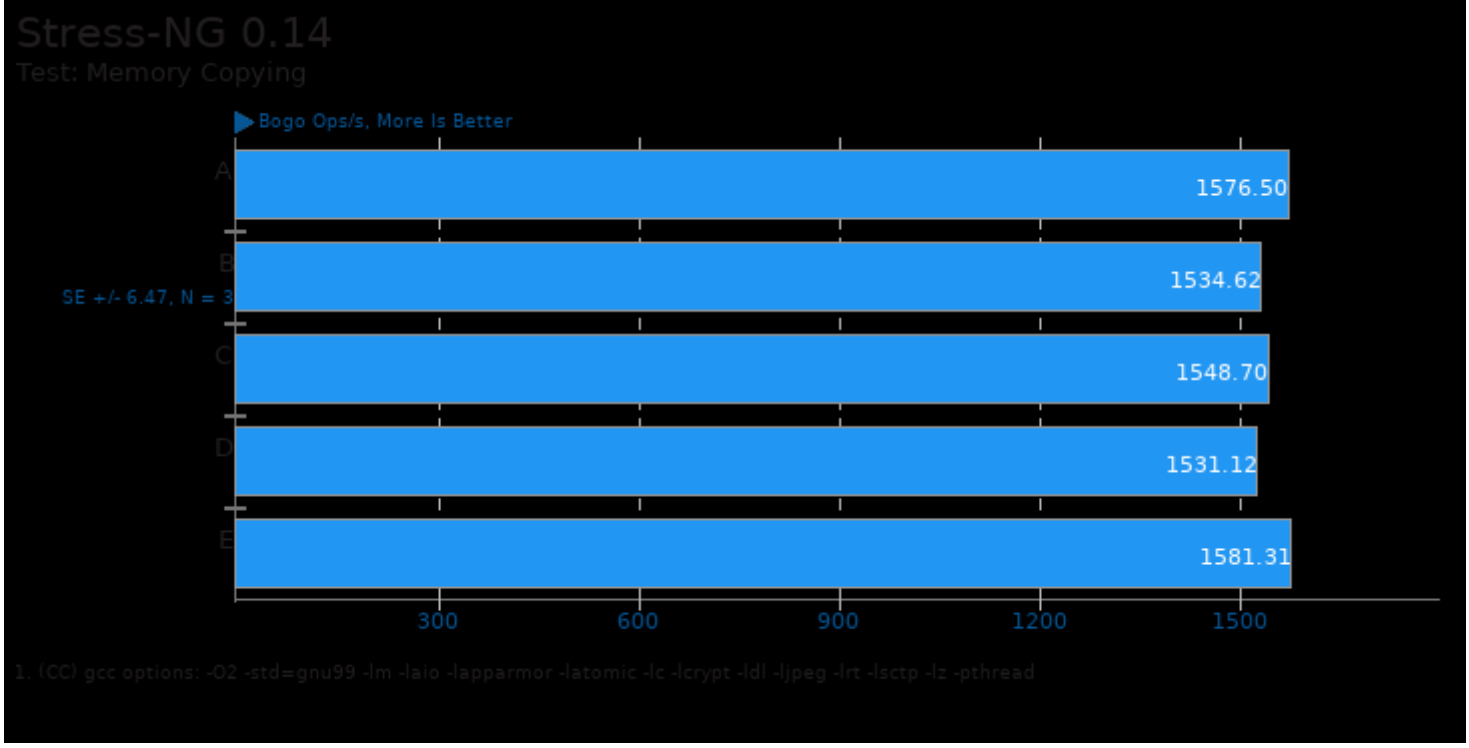

Stress-NG 0.14
Test: Malloc
Bogo Ops/s, More Is Better
A
1354904.73
B
1350277.00
SE +/- 7790.62, N = 3
C
1205739.75
D
1205444.23
E
1198513.77
300K
600K
900K
1200K
1500K
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14
Test: Forking
Bogo Ops/s, More Is Better
A
30051.41
B
29542.88
SE +/- 215.71, N = 3
C
25094.09
D
25486.83
E
25197.30
6K
12K
18K
24K
30K
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread

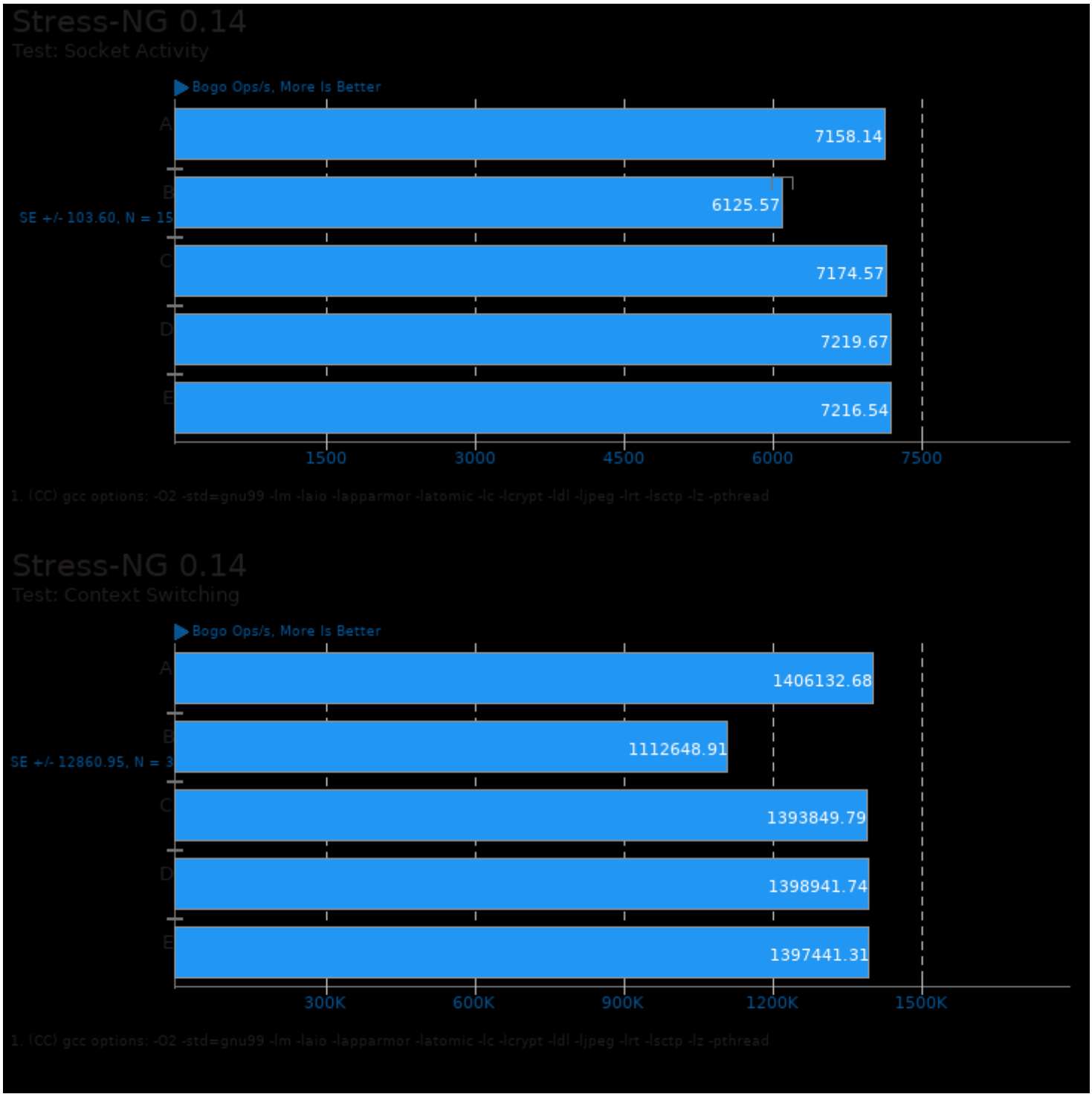

Stress-NG 0.14
Test: SENDFILE
Bogo Ops/s, More Is Better
A
72946.77
B
57095.93
SE +/- 537.54, N = 14
C
63853.30
D
64111.50
E
63964.57
16K
32K
48K
64K
80K
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14
Test: CPU Cache
Bogo Ops/s, More Is Better
A
112.33
B
108.32
SE +/- 1.30, N = 3
C
105.80
D
111.56
E
108.90
30
60
90
120
150
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread

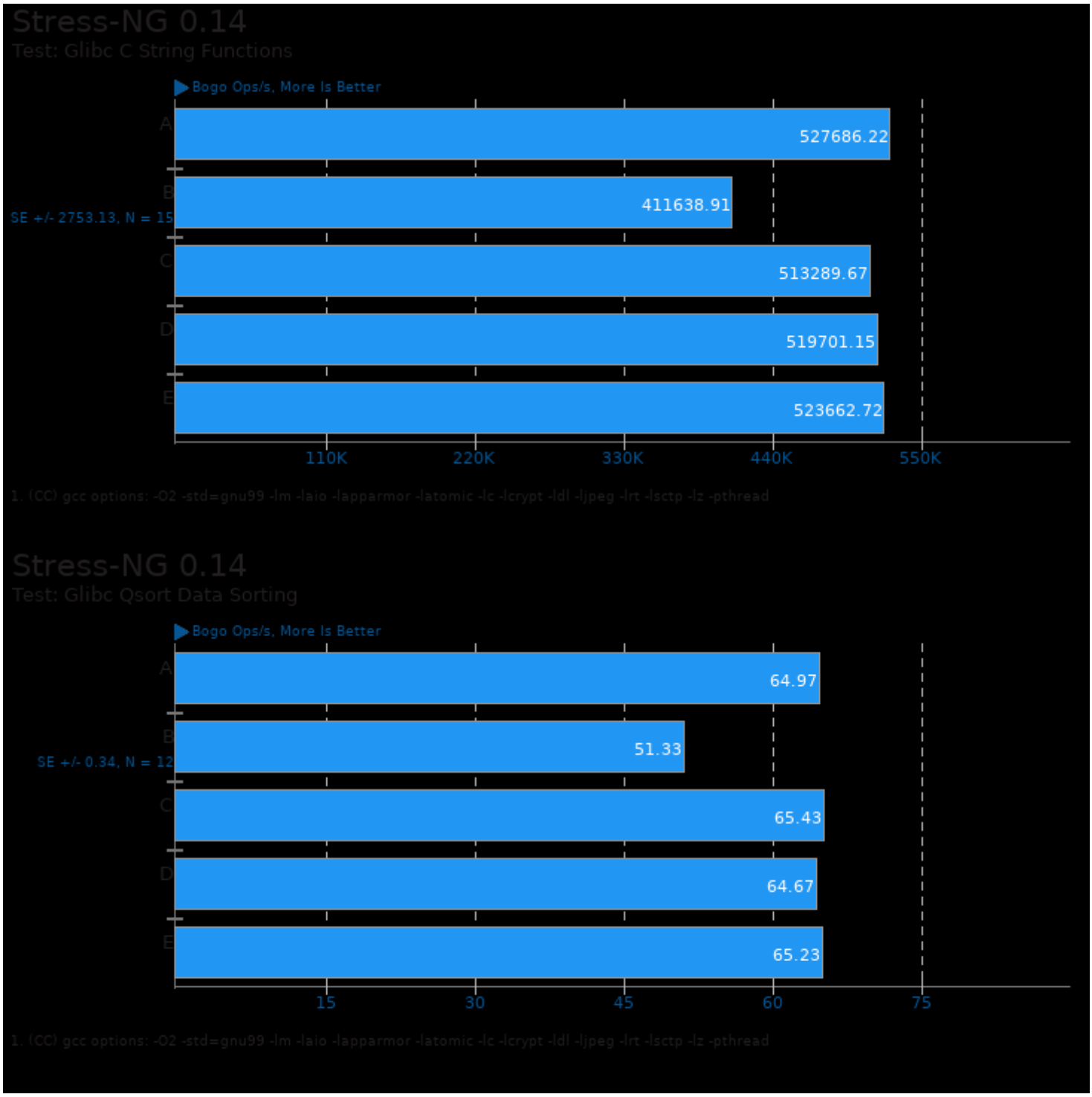

Stress-NG 0.14
Test: CPU Stress
Bogo Ops/s, More Is Better
A
B
C
D
E
6606.13
5949.40
6179.21
6204.65
6186.14
SE +/- 82.43, N = 3
1400
2800
4200
5600
7000
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14
Test: Semaphores
Bogo Ops/s, More Is Better
A
B
C
D
E
802392.51
802706.29
802925.81
801701.29
803310.21
SE +/- 167.59, N = 3
200K
400K
600K
800K
1000K
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread

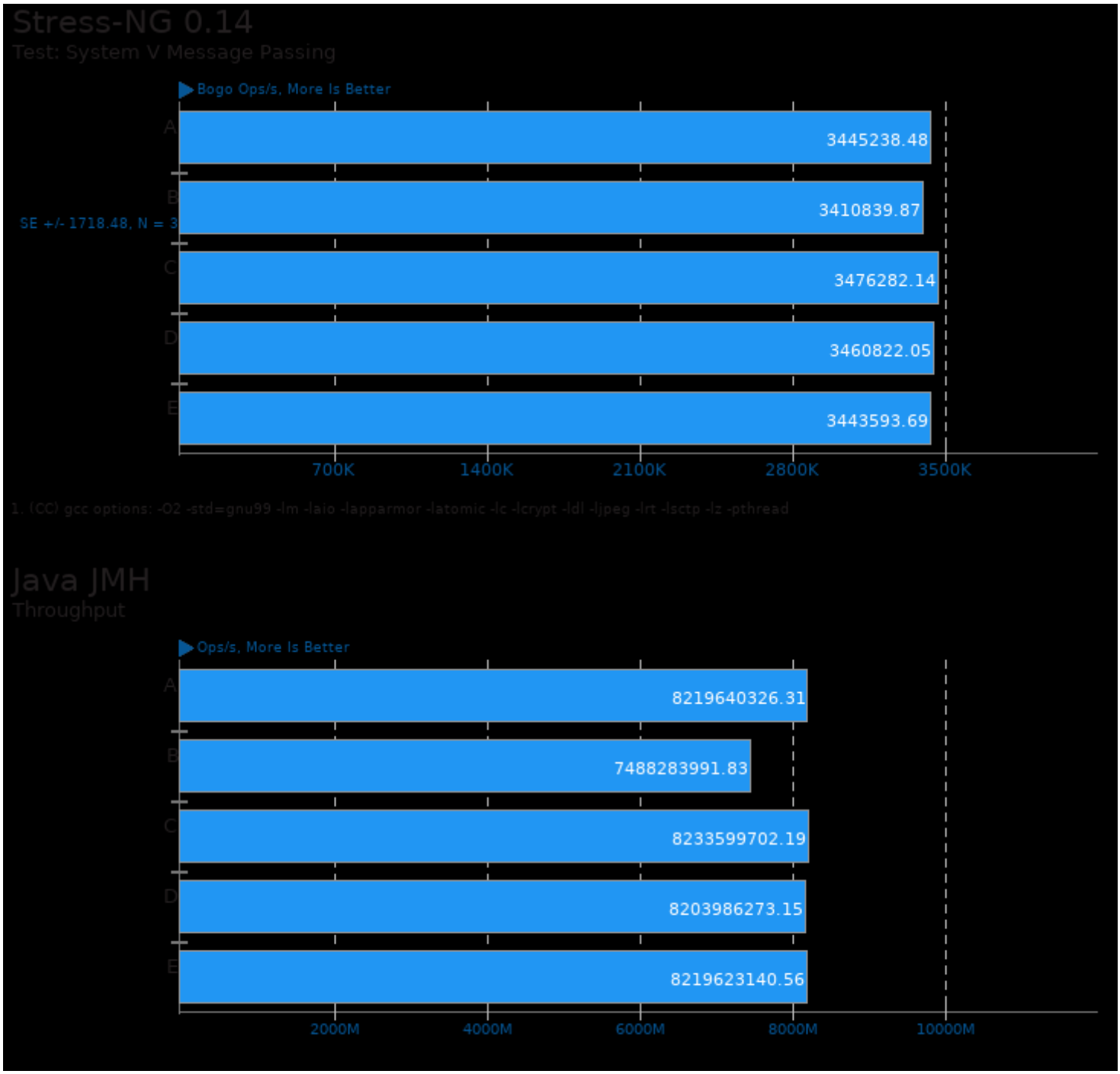

Stress-NG 0.14
Test: Matrix Math
Bogo Ops/s, More Is Better
A
B
C
D
E
18071.26
14505.10
18140.86
18146.56
18115.72
SE +/- 110.54, N = 15
4K
8K
12K
16K
20K
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14
Test: Vector Math
Bogo Ops/s, More Is Better
A
B
C
D
E
15019.69
12606.84
14990.15
14978.20
14996.51
SE +/- 137.55, N = 4
3K
6K
9K
12K
15K
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread

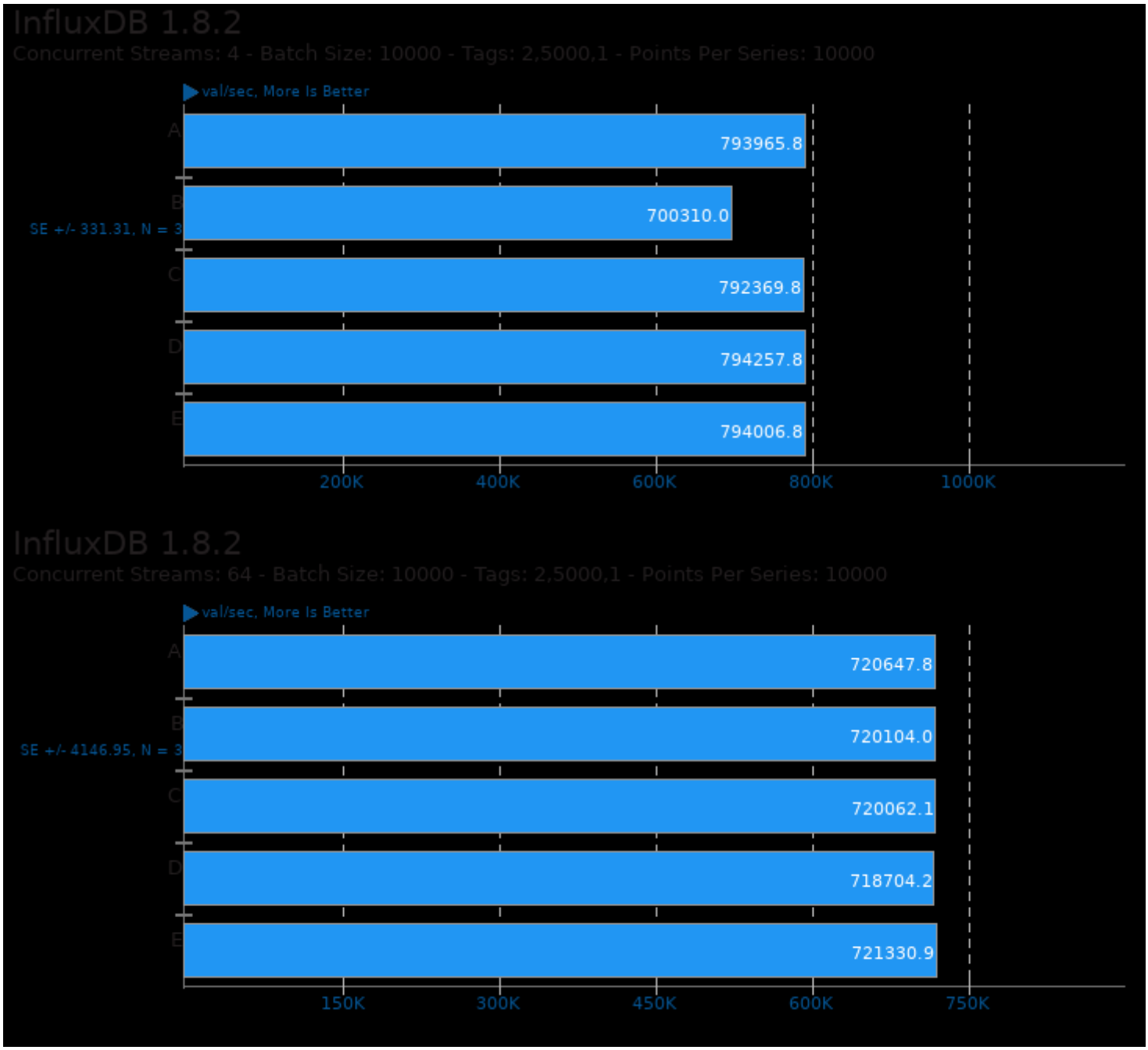

Stress-NG 0.14
Test: x86_64 RdRand
Bogo Ops/s, More Is Better
A
B
C
D
E
37285.84
37291.45
37276.65
37325.13
37289.74
SE +/- 16.56, N = 3
8K
16K
24K
32K
40K
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread


Stress-NG 0.14
Test: Memory Copying
Bogo Ops/s, More Is Better
A
B
C
D
E
1576.50
1534.62
1548.70
1531.12
1581.31
SE +/- 6.47, N = 3
300
600
900
1200
1500
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread


Stress-NG 0.14
Test: Socket Activity
Bogo Ops/s, More Is Better
A
B
C
D
E
7158.14
6125.57
7174.57
7219.67
7216.54
SE +/- 103.60, N = 15
1500
3000
4500
6000
7500
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14
Test: Context Switching
Bogo Ops/s, More Is Better
A
B
C
D
E
1406132.68
1112648.91
1393849.79
1398941.74
1397441.31
SE +/- 12860.95, N = 3
300K
600K
900K
1200K
1500K
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread

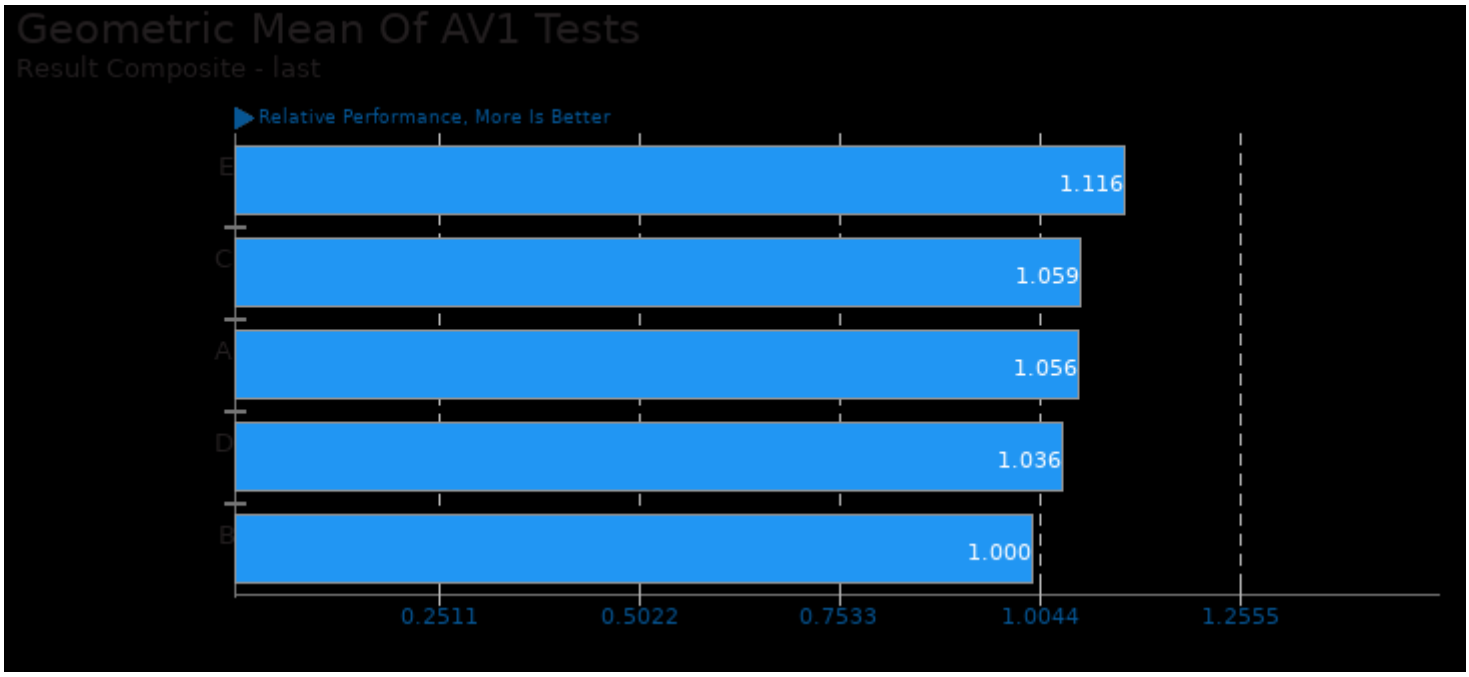

Stress-NG 0.14
Test: Glibc C String Functions
Bogo Ops/s, More Is Better
A
B
C
D
E
527686.22
411638.91
513289.67
519701.15
523662.72
SE +/- 2753.13, N = 15
110K
220K
330K
440K
550K
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread
Stress-NG 0.14
Test: Glibc Qsort Data Sorting
Bogo Ops/s, More Is Better
A
B
C
D
E
64.97
51.33
65.43
64.67
65.23
SE +/- 0.34, N = 12
15
30
45
60
75
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread


Stress-NG 0.14
Test: System V Message Passing
Bogo Ops/s, More Is Better
A
B
C
D
E
3445238.48
3410839.87
3476282.14
3460822.05
3443593.69
SE +/- 1718.48, N = 3
700K
1400K
2100K
2800K
3500K
1. (CC) gcc options: -O2 -std=gnu99 -lm -laio -lapparmor -latomic -lc -lcrypt -ldl -ljpeg -lrt -lsctp -lz -pthread
Java JMH
Throughput
Ops/s, More Is Better
A
B
C
D
E
8219640326.31
7488283991.83
8233599702.19
8203986273.15
8219623140.56
2000M
4000M
6000M
8000M
10000M

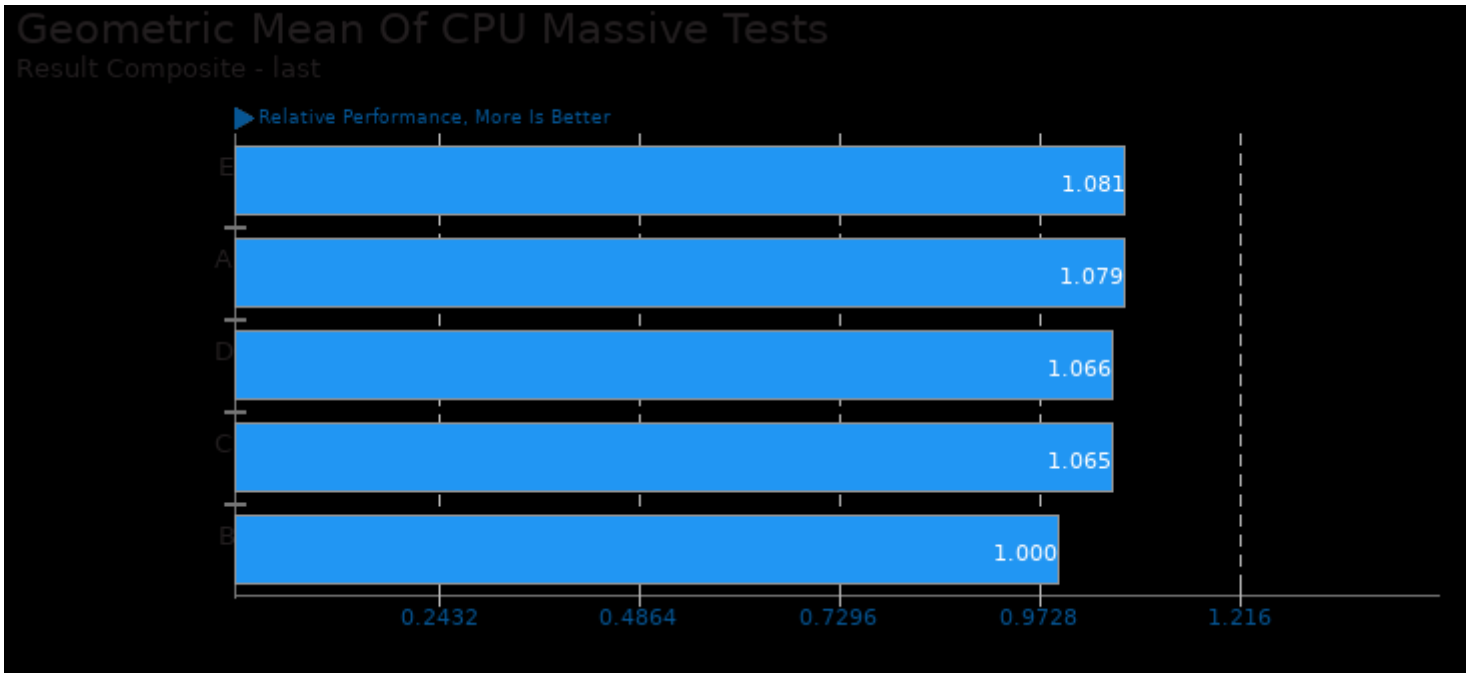

InfluxDB 1.8.2
Concurrent Streams: 4 - Batch Size: 10000 - Tags: 2,5000,1 - Points Per Series: 10000
val/sec, More Is Better
A
793965.8
B
700310.0
SE +/- 331.31, N = 3
C
792369.8
D
794257.8
E
794006.8
200K
400K
600K
800K
1000K
InfluxDB 1.8.2
Concurrent Streams: 64 - Batch Size: 10000 - Tags: 2,5000,1 - Points Per Series: 10000
val/sec, More Is Better
A
720647.8
B
720104.0
SE +/- 4146.95, N = 3
C
720062.1
D
718704.2
E
721330.9
150K
300K
450K
600K
750K

last

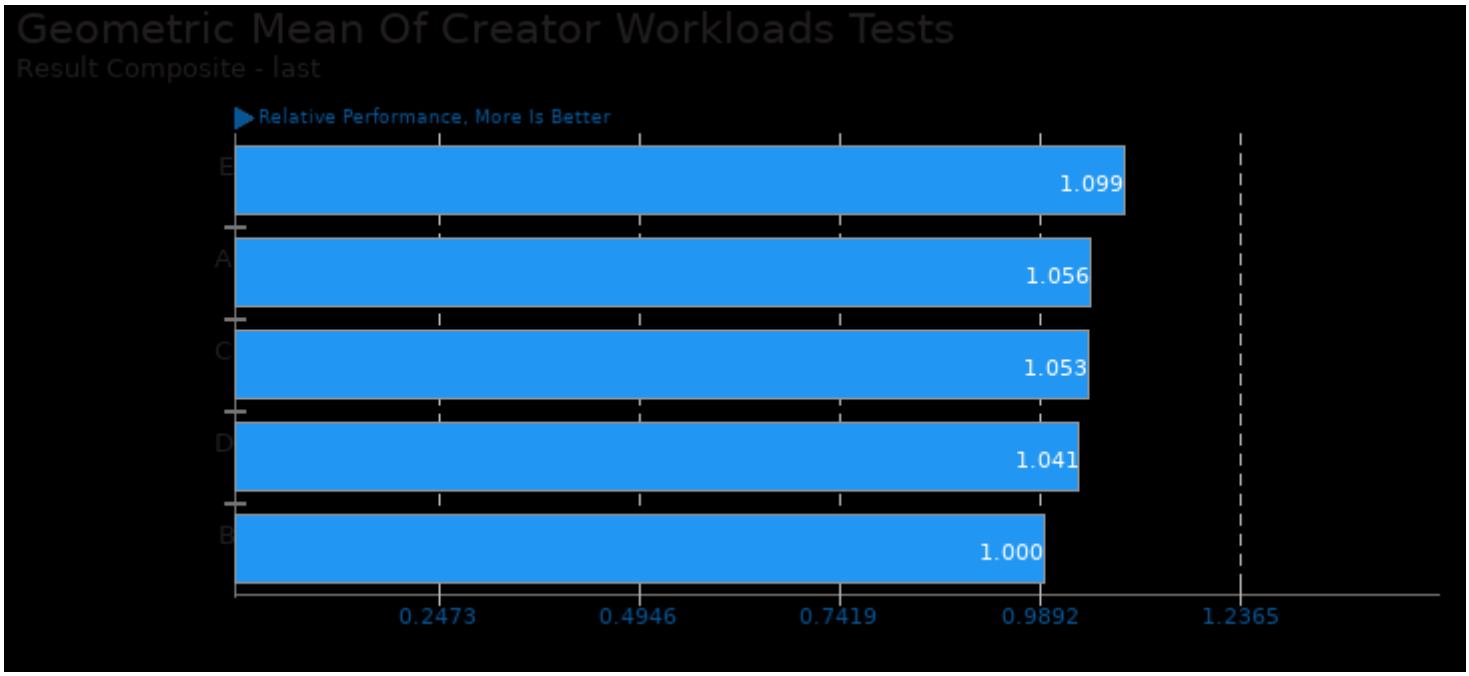
These geometric means are based upon test groupings / test suites for this result file.



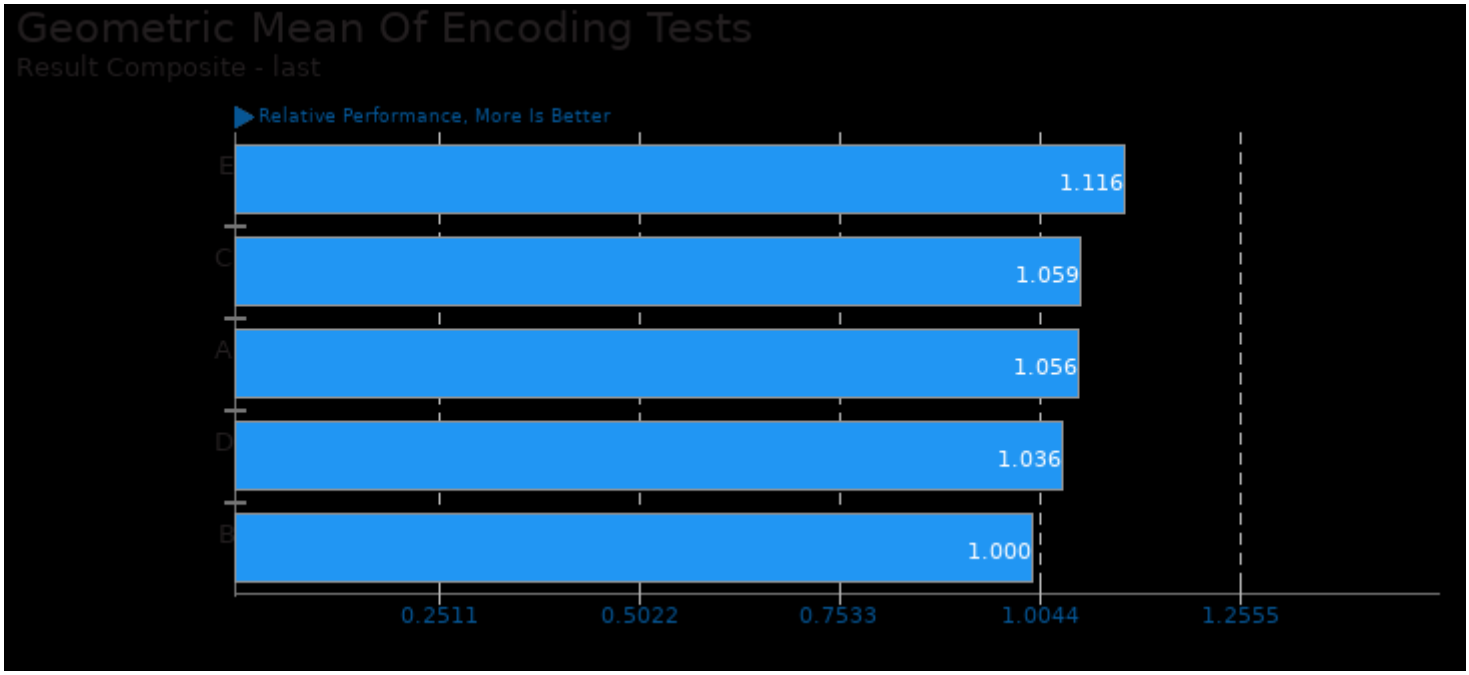
Geometric mean based upon tests: pts/svt-av1 and pts/avifenc



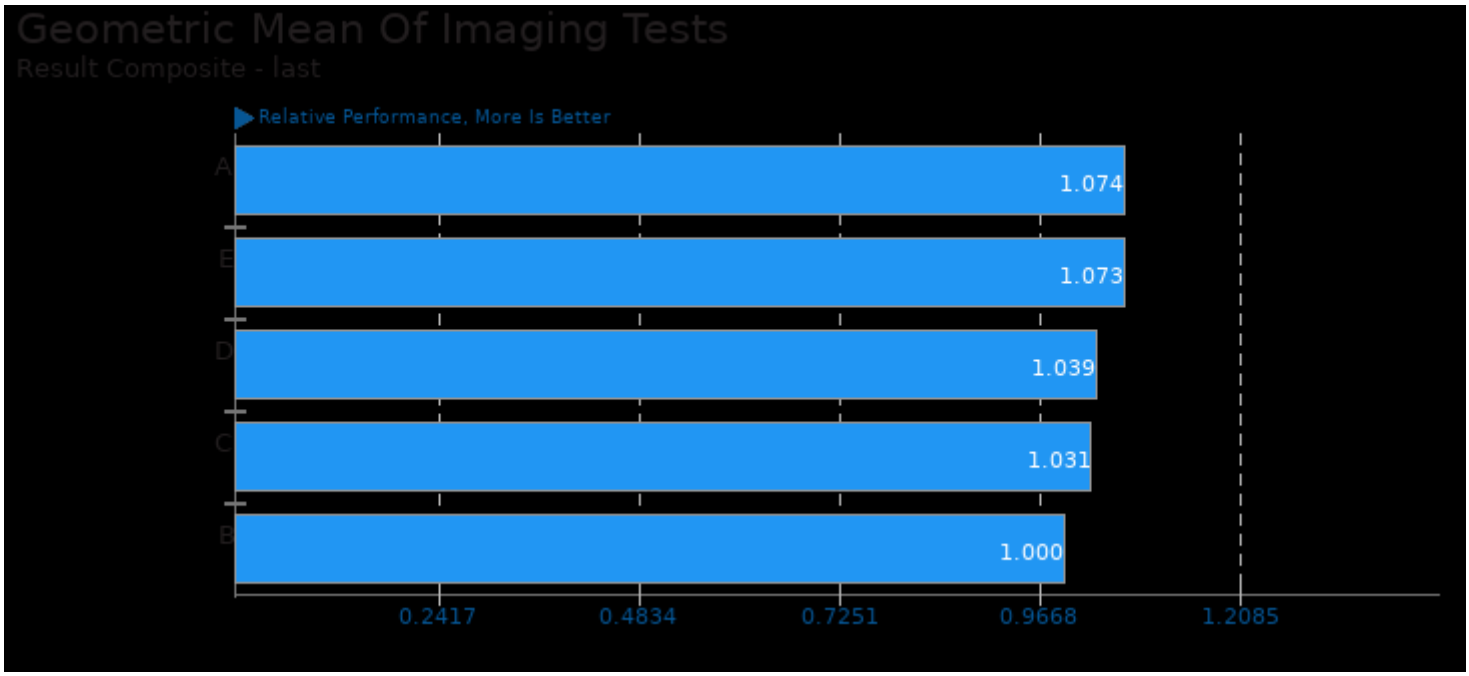
Geometric mean based upon tests: pts/svt-av1 and pts/stress-ng



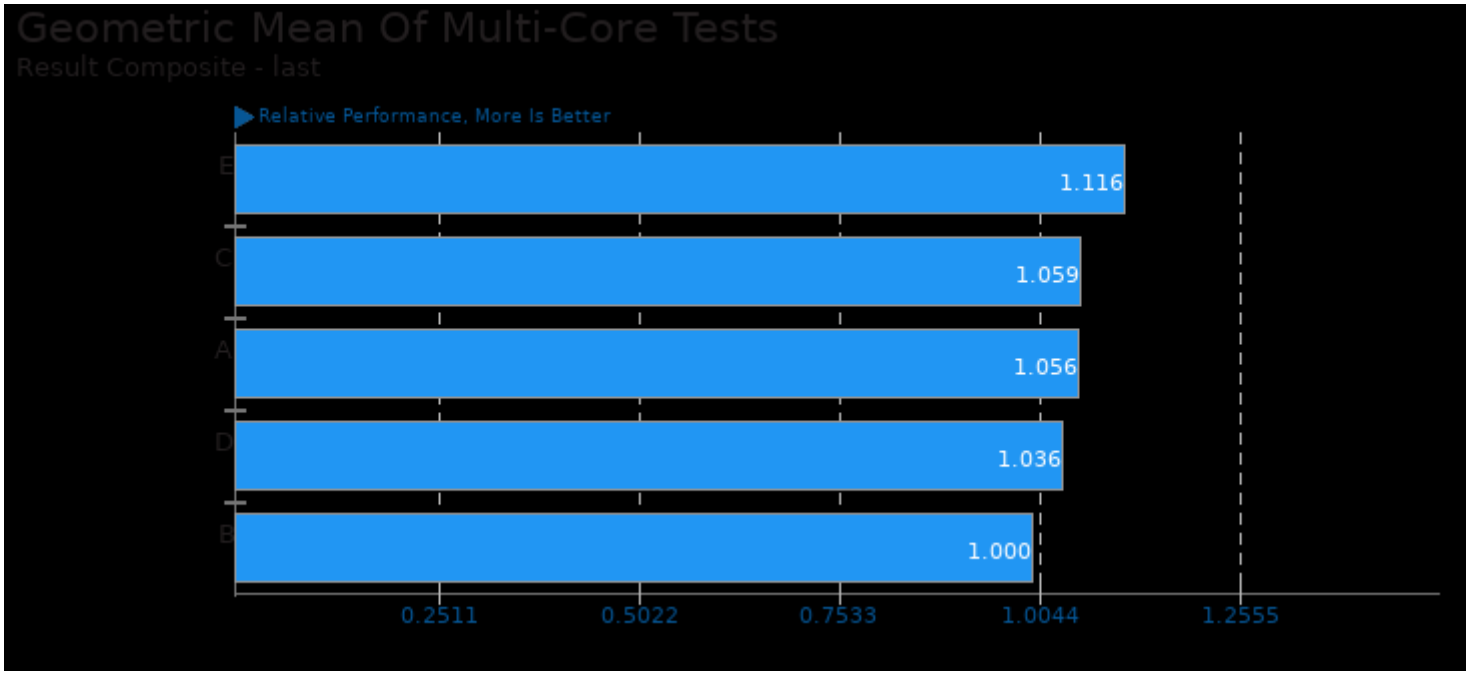
Geometric mean based upon tests: pts/svt-av1, pts/avifenc and pts/webp2



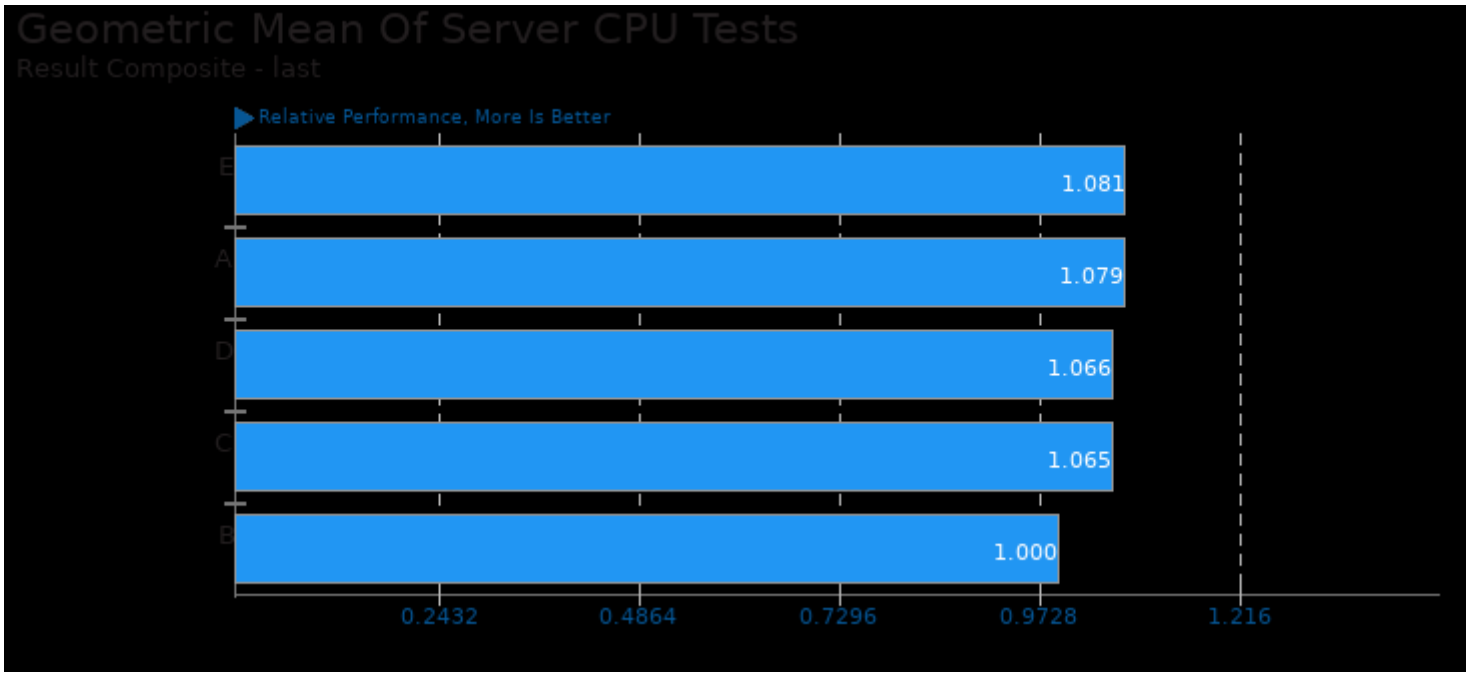
Geometric mean based upon tests: pts/svt-av1 and pts/avifenc



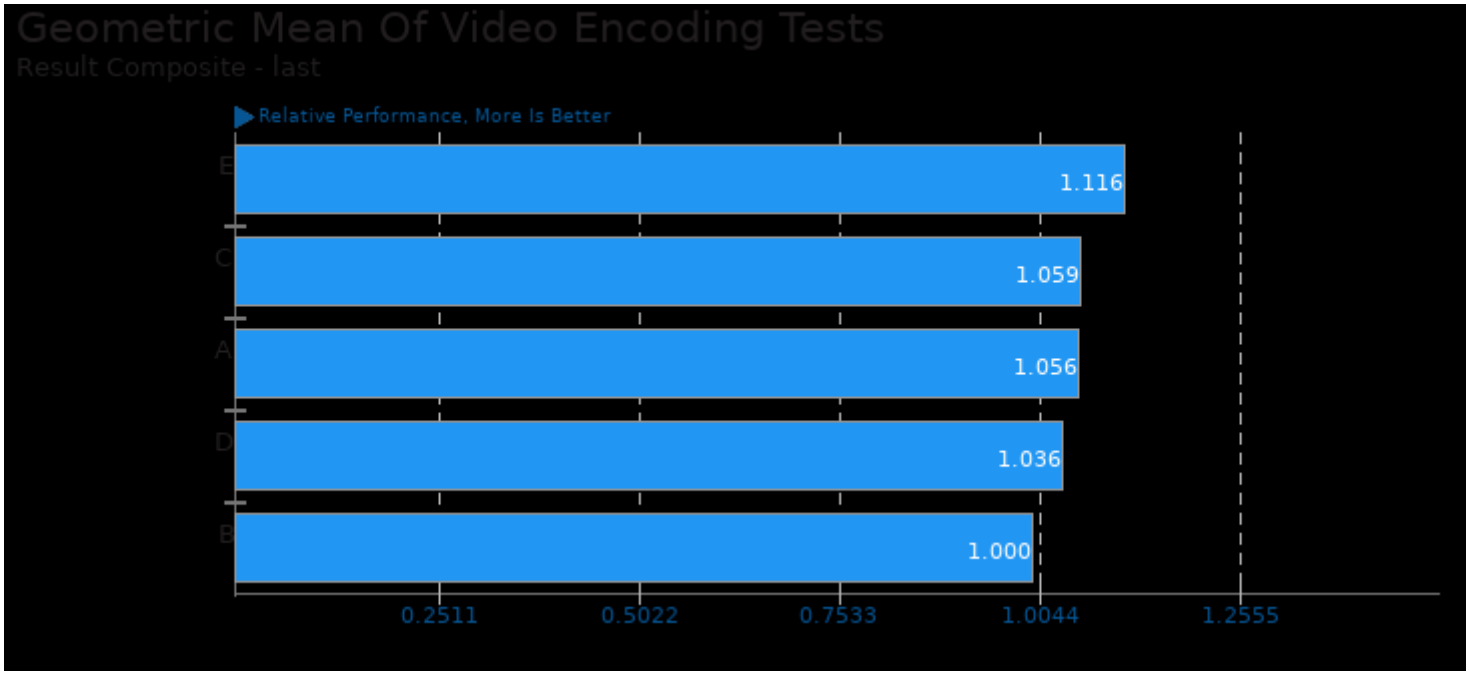
Geometric mean based upon tests: pts/webp2 and pts/avifenc



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



Geometric mean based upon tests: pts/svt-av1 and pts/stress-ng



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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 15:44.