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ioz

VMware testing on CentOS Linux 8 via the Phoronix Test Suite.

Test Systems:

ioz

Processor: Intel Xeon E5504 (1 Core), Motherboard: Intel 440BX (6.00 BIOS), Chipset: Intel 440BX/ZX/DX, Memory: 1 x 512 MB DRAM, Disk: 43GB Virtual disk, Graphics: VMware SVGA II, Network: VMware VMXNET3

OS: CentOS Linux 8, Kernel: 4.18.0-193.6.3.el8_2.x86_64 (x86_64), Compiler: GCC 8.3.1 20191121, File-System: xfs, Screen Resolution: 1176x885, System Layer: VMware

Compiler Notes: --build=x86_64-redhat-linux --disable-libmpx --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-cet --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,fortran,lto --enable-multilib --enable-offload-targets=nvptx-none --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=x86-64 --with-gcc-major-version-only --with-isl --with-linker-hash-style=gnu --with-tune=generic --without-cuda-driver
Disk Notes: MQ-DEADLINE / attr2,inode64,noquota,relatime,rw
Processor Notes: CPU Microcode: 0x11
Security Notes: itlb_multihit: KVM: Vulnerable + l1tf: Mitigation of PTE Inversion + mds: Vulnerable: Clear buffers attempted no microcode; SMT Host state unknown + meltdown: Mitigation of PTI + spec_store_bypass: Vulnerable + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation

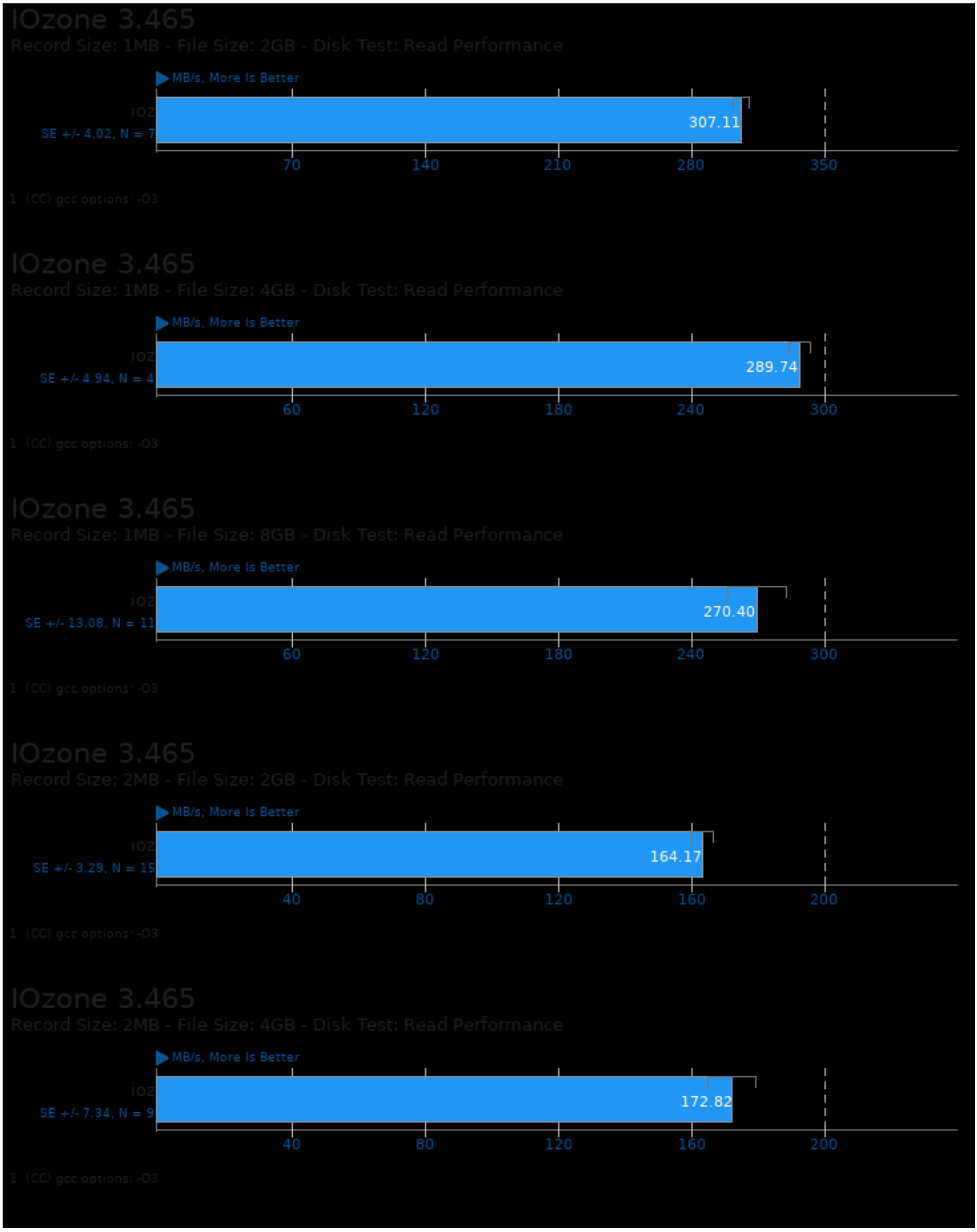
of Full generic retpoline STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	ioz
IOzone - 1MB - 2GB - Read Performance (MB/s)	307.11
Standard Deviation	3.5%
IOzone - 1MB - 4GB - Read Performance (MB/s)	289.739257813
Standard Deviation	3.4%
IOzone - 1MB - 8GB - Read Performance (MB/s)	270.40
Standard Deviation	16%
IOzone - 2MB - 2GB - Read Performance (MB/s)	164.17
Standard Deviation	7.8%
IOzone - 2MB - 4GB - Read Performance (MB/s)	172.82
Standard Deviation	12.7%
IOzone - 2MB - 8GB - Read Performance (MB/s)	272.60
Standard Deviation	15.8%
IOzone - 4Kb - 2GB - Read Performance (MB/s)	272.09
Standard Deviation	0.6%
IOzone - 4Kb - 4GB - Read Performance (MB/s)	263.37
Standard Deviation	3%
IOzone - 4Kb - 8GB - Read Performance (MB/s)	302.99
Standard Deviation	10.5%
IOzone - 1MB - 2GB - Write Performance (MB/s)	153.80
Standard Deviation	1.9%
IOzone - 1MB - 4GB - Write Performance (MB/s)	153.82
Standard Deviation	0.3%
IOzone - 1MB - 8GB - Write Performance (MB/s)	162.53
Standard Deviation	3.2%
IOzone - 2MB - 2GB - Write Performance (MB/s)	188.61
Standard Deviation	1.5%
IOzone - 2MB - 4GB - Write Performance (MB/s)	181.58
Standard Deviation	1%
IOzone - 2MB - 8GB - Write Performance (MB/s)	186.139322917
Standard Deviation	1.7%
IOzone - 4Kb - 2GB - Write Performance (MB/s)	3.67
Standard Deviation	6.1%
IOzone - 4Kb - 4GB - Write Performance (MB/s)	3.99
Standard Deviation	6.3%
IOzone - 64Kb - 2GB - Read Performance (MB/s)	349.05
Standard Deviation	5.7%
IOzone - 1MB - 512MB - Read Performance (MB/s)	365.84
Standard Deviation	1.9%
IOzone - 2MB - 512MB - Read Performance (MB/s)	359.231119792
Standard Deviation	3.3%
IOzone - 4Kb - 512MB - Read Performance (MB/s)	351.62
Standard Deviation	7.2%
IOzone - 64Kb - 2GB - Write Performance (MB/s)	49.78
Standard Deviation	6.1%
IOzone - 1MB - 512MB - Write Performance (MB/s)	171.52
Standard Deviation	1.1%

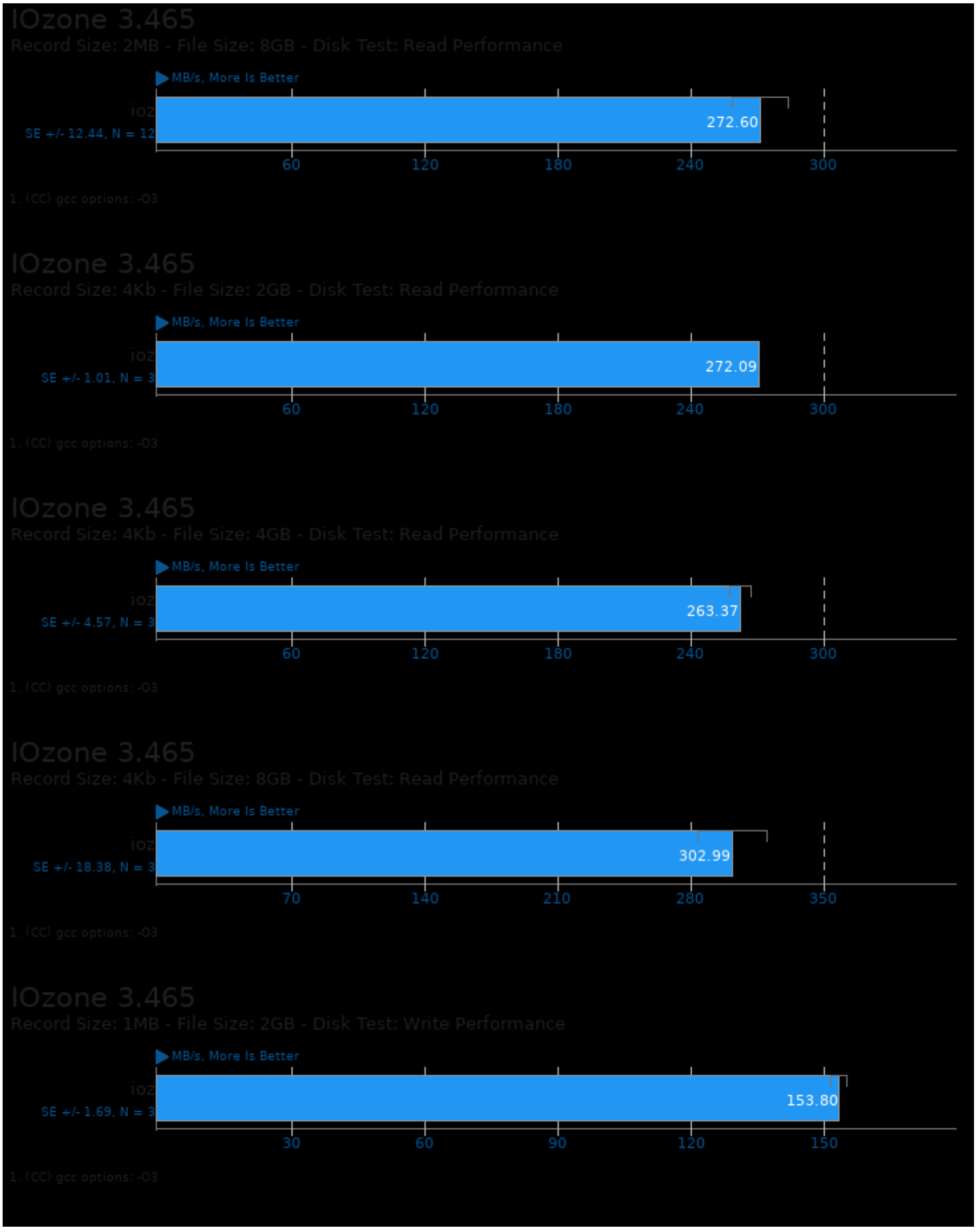
ioz

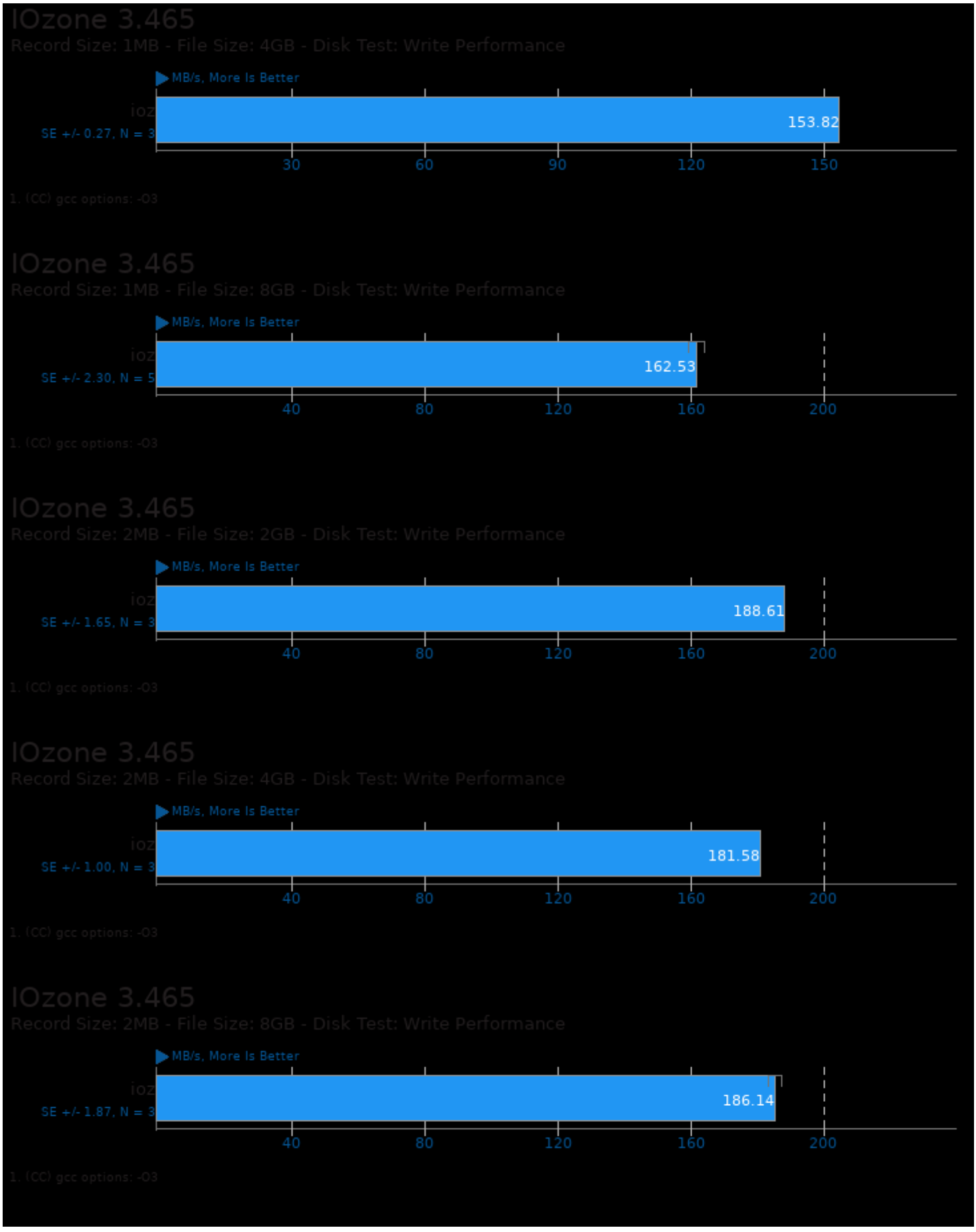
IOzone - 2MB - 512MB - Write Performance (MB/s)	186.26
Standard Deviation	5.3%
IOzone - 4Kb - 512MB - Write Performance (MB/s)	4.28
Standard Deviation	9.8%
IOzone - 64Kb - 512MB - Read Performance (MB/s)	338.90
Standard Deviation	10.4%
IOzone - 64Kb - 512MB - Write Performance (MB/s)	52.85
Standard Deviation	1.5%

ioz

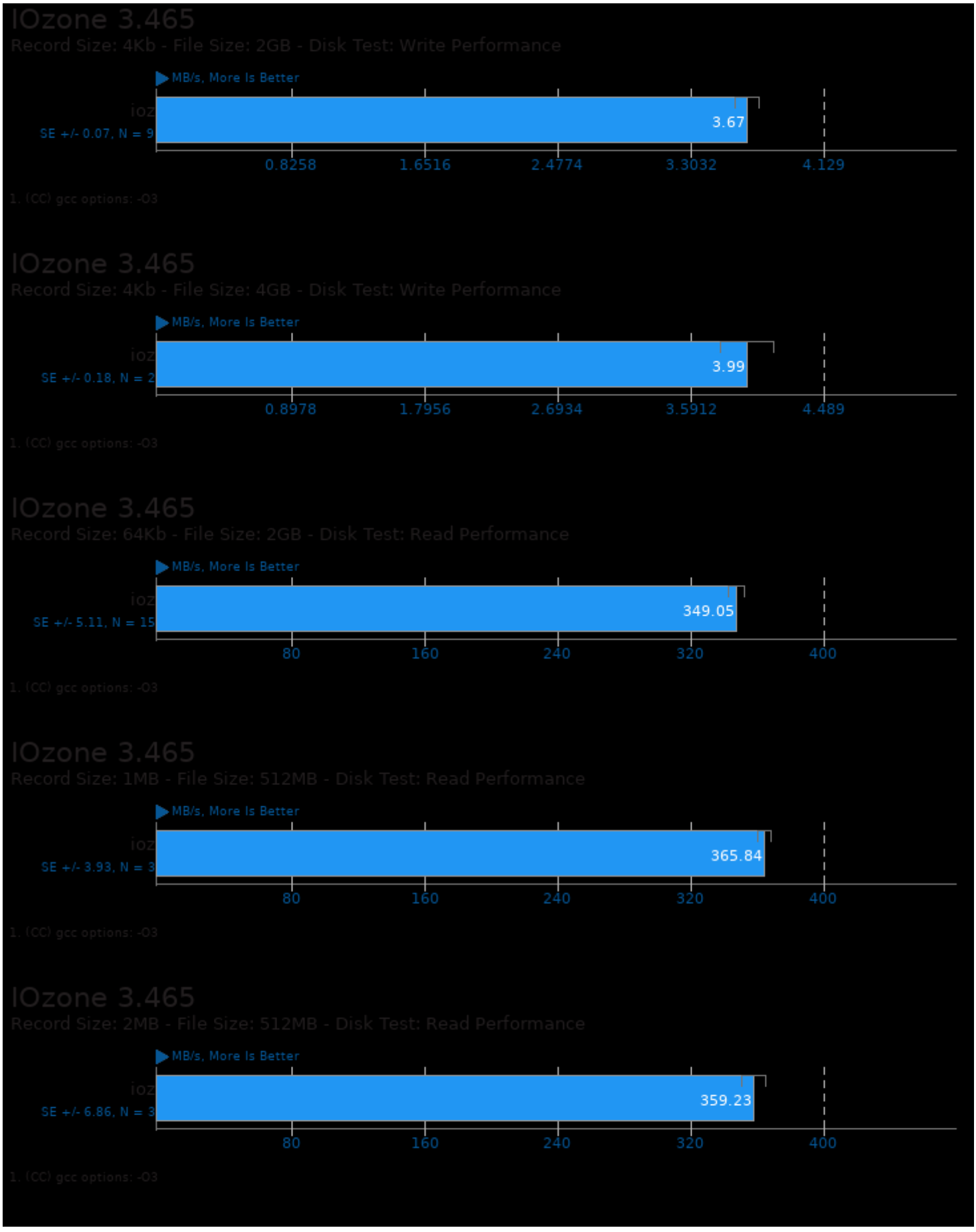

IOzone 3.465
Record Size: 1MB - File Size: 2GB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 4.02, N = 7
307.11
70
140
210
280
350
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 4GB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 4.94, N = 4
289.74
60
120
180
240
300
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 8GB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 13.08, N = 11
270.40
60
120
180
240
300
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 2MB - File Size: 2GB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 3.29, N = 15
164.17
40
80
120
160
200
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 2MB - File Size: 4GB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 7.34, N = 9
172.82
40
80
120
160
200
1. (CC) gcc options: -O3

ioz

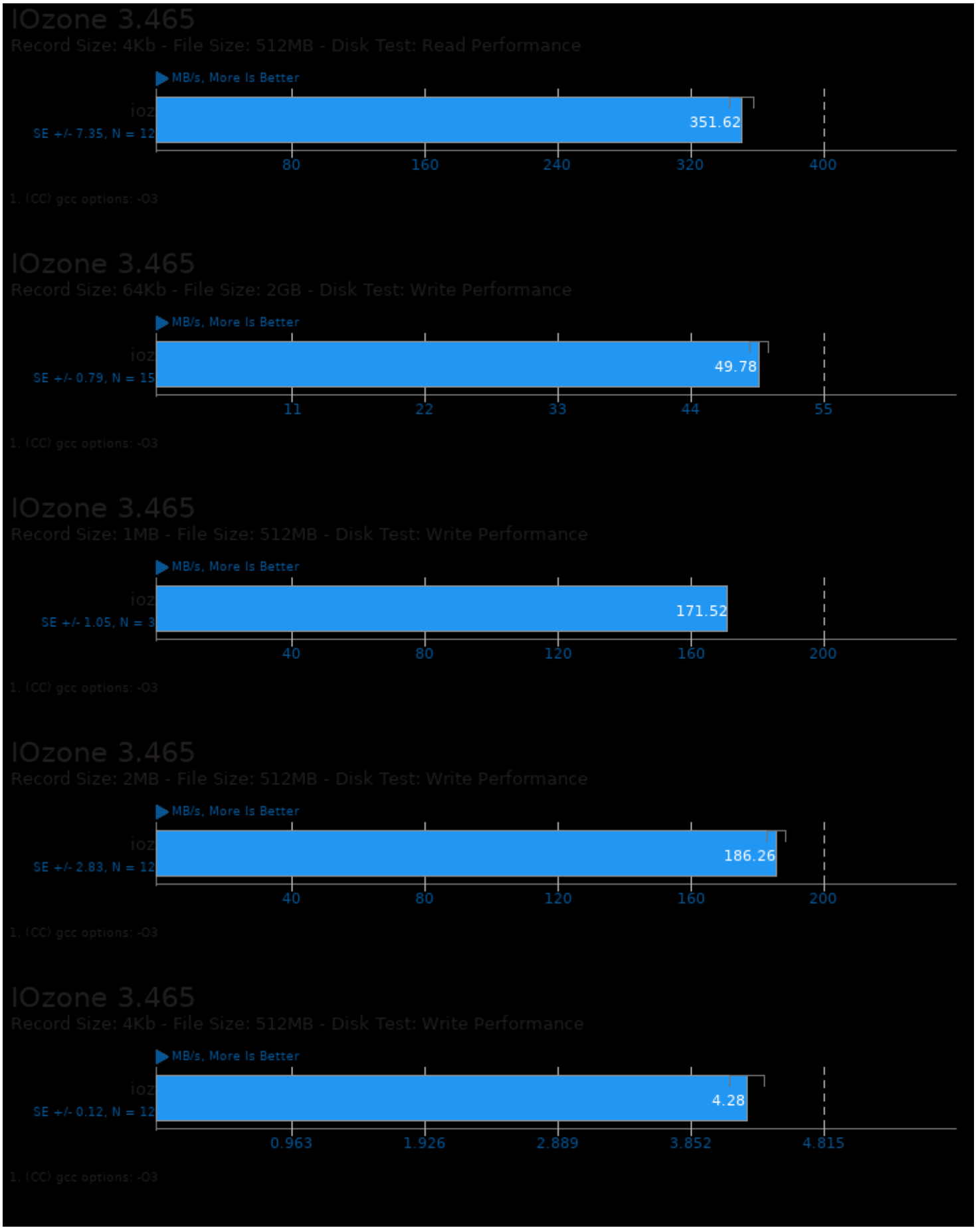

IOzone 3.465
Record Size: 2MB - File Size: 8GB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 12.44, N = 12
272.60
60
120
180
240
300
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 4Kb - File Size: 2GB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 1.01, N = 3
272.09
60
120
180
240
300
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 4Kb - File Size: 4GB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 4.57, N = 3
263.37
60
120
180
240
300
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 4Kb - File Size: 8GB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 18.38, N = 3
302.99
70
140
210
280
350
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 2GB - Disk Test: Write Performance
MB/s, More Is Better
ioz
SE +/- 1.69, N = 3
153.80
30
60
90
120
150
1. (CC) gcc options: -O3


IOzone 3.465
Record Size: 1MB - File Size: 4GB - Disk Test: Write Performance
MB/s, More Is Better
ioz
SE +/- 0.27, N = 3
153.82
30
60
90
120
150
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 8GB - Disk Test: Write Performance
MB/s, More Is Better
ioz
SE +/- 2.30, N = 5
162.53
40
80
120
160
200
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 2MB - File Size: 2GB - Disk Test: Write Performance
MB/s, More Is Better
ioz
SE +/- 1.65, N = 3
188.61
40
80
120
160
200
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 2MB - File Size: 4GB - Disk Test: Write Performance
MB/s, More Is Better
ioz
SE +/- 1.00, N = 3
181.58
40
80
120
160
200
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 2MB - File Size: 8GB - Disk Test: Write Performance
MB/s, More Is Better
ioz
SE +/- 1.87, N = 3
186.14
40
80
120
160
200
1. (CC) gcc options: -O3

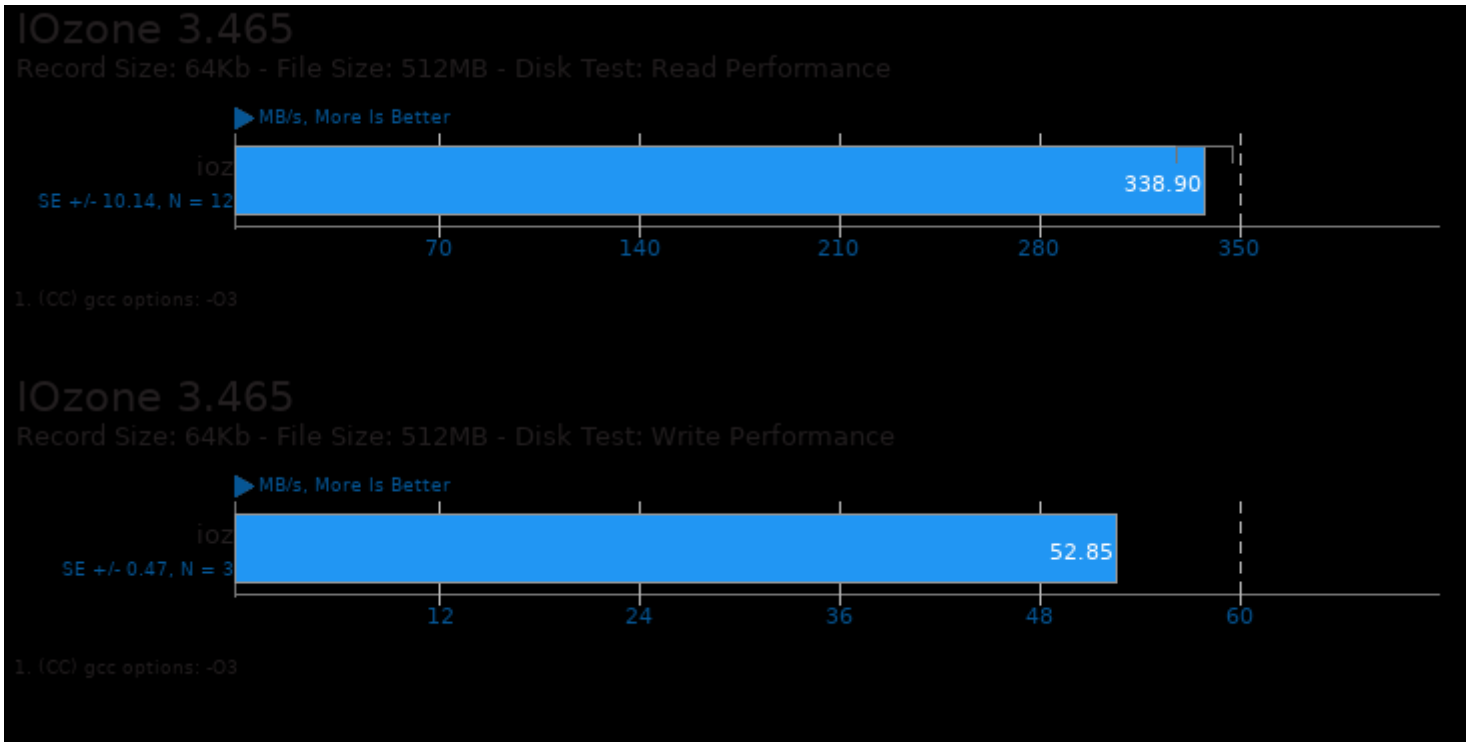
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IOzone 3.465
Record Size: 4Kb - File Size: 2GB - Disk Test: Write Performance
MB/s, More Is Better
ioz
SE +/- 0.07, N = 9
3.67
0.8258
1.6516
2.4774
3.3032
4.129
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 4Kb - File Size: 4GB - Disk Test: Write Performance
MB/s, More Is Better
ioz
SE +/- 0.18, N = 2
3.99
0.8978
1.7956
2.6934
3.5912
4.489
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 64Kb - File Size: 2GB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 5.11, N = 15
349.05
80
160
240
320
400
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 512MB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 3.93, N = 3
365.84
80
160
240
320
400
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 2MB - File Size: 512MB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 6.86, N = 3
359.23
80
160
240
320
400
1. (CC) gcc options: -O3

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IOzone 3.465
Record Size: 4Kb - File Size: 512MB - Disk Test: Read Performance
MB/s, More Is Better
ioz
SE +/- 7.35, N = 12
351.62
80
160
240
320
400
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 64Kb - File Size: 2GB - Disk Test: Write Performance
MB/s, More Is Better
ioz
SE +/- 0.79, N = 15
49.78
11
22
33
44
55
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 1MB - File Size: 512MB - Disk Test: Write Performance
MB/s, More Is Better
ioz
SE +/- 1.05, N = 3
171.52
40
80
120
160
200
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 2MB - File Size: 512MB - Disk Test: Write Performance
MB/s, More Is Better
ioz
SE +/- 2.83, N = 12
186.26
40
80
120
160
200
1. (CC) gcc options: -O3
IOzone 3.465
Record Size: 4Kb - File Size: 512MB - Disk Test: Write Performance
MB/s, More Is Better
ioz
SE +/- 0.12, N = 12
4.28
0.963
1.926
2.889
3.852
4.815
1. (CC) gcc options: -O3

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 07:39.