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TestPCIe

2 x Intel Xeon Gold 5215 testing with a Supermicro X11DPG-OT-CPU v1.01 (3.3 BIOS) and NVIDIA Quadro RTX 6000 24GB on Ubuntu 20.04 via the Phoronix Test Suite.

Test Systems:

TestPCIe1

Processor: 2 x Intel Xeon Gold 5215 @ 3.40GHz (20 Cores / 40 Threads), Motherboard: Supermicro X11DPG-OT-CPU v1.01 (3.3 BIOS), Chipset: Intel Sky Lake-E DMI3 Registers, Memory: 504GB, Disk: 1024GB Samsung SSD 970 PRO 1TB + 8 x 3841GB TOSHIBA KHK61RSE, Graphics: NVIDIA Quadro RTX 6000 24GB (465/810MHz), Audio: NVIDIA TU102 HD Audio, Network: 2 x Intel X722 for 10GBASE-T

OS: Ubuntu 20.04, Kernel: 5.4.0-40-generic (x86_64), Desktop: GNOME Shell 3.36.2, Display Server: X Server 1.20.8, Display Driver: NVIDIA 440.100, OpenGL: 4.6.0, Compiler: GCC 9.3.0 + CUDA 10.1, File-System: ext4, Screen Resolution: 2560x1440

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

TestPCIe

--enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none,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
Disk Notes: NONE / relatime,rw
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0x5002f01
Security Notes: itlb_multihit: KVM: Mitigation of Split huge pages + 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: Mitigation of TSX disabled

	TestPCIe1
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 512KB - /media/adrien/tempDrive (IOPS)	18460
Standard Deviation	12.5%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 512KB - /media/adrien/tempDrive (MB/s)	8159
Standard Deviation	3.6%
Flexible IO Tester - Seq Write - Sync - Yes - Yes - 512KB - /media/adrien/tempDrive (IOPS)	2422
Standard Deviation	4.6%
Flexible IO Tester - Seq Write - Sync - Yes - Yes - 512KB - /media/adrien/tempDrive (MB/s)	1211
Standard Deviation	4.6%
Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 512KB - /media/adrien/tempDrive (IOPS)	2243
Standard Deviation	6.5%
Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 512KB - /media/adrien/tempDrive (MB/s)	1123
Standard Deviation	6.5%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 64KB - /media/adrien/tempDrive (IOPS)	17100
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 64KB - /media/adrien/tempDrive (MB/s)	1081
Standard Deviation	4.9%
Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 8KB - /media/adrien/tempDrive (IOPS)	136400
Standard Deviation	7.1%
Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 8KB - /media/adrien/tempDrive (MB/s)	1066
Standard Deviation	7.1%
Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 512KB - /media/adrien/tempDrive (IOPS)	2264
Standard Deviation	7.1%
Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 512KB - /media/adrien/tempDrive (MB/s)	1134
Standard Deviation	7%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 512KB - /media/adrien/tempDrive (IOPS)	2206
Standard Deviation	6.3%

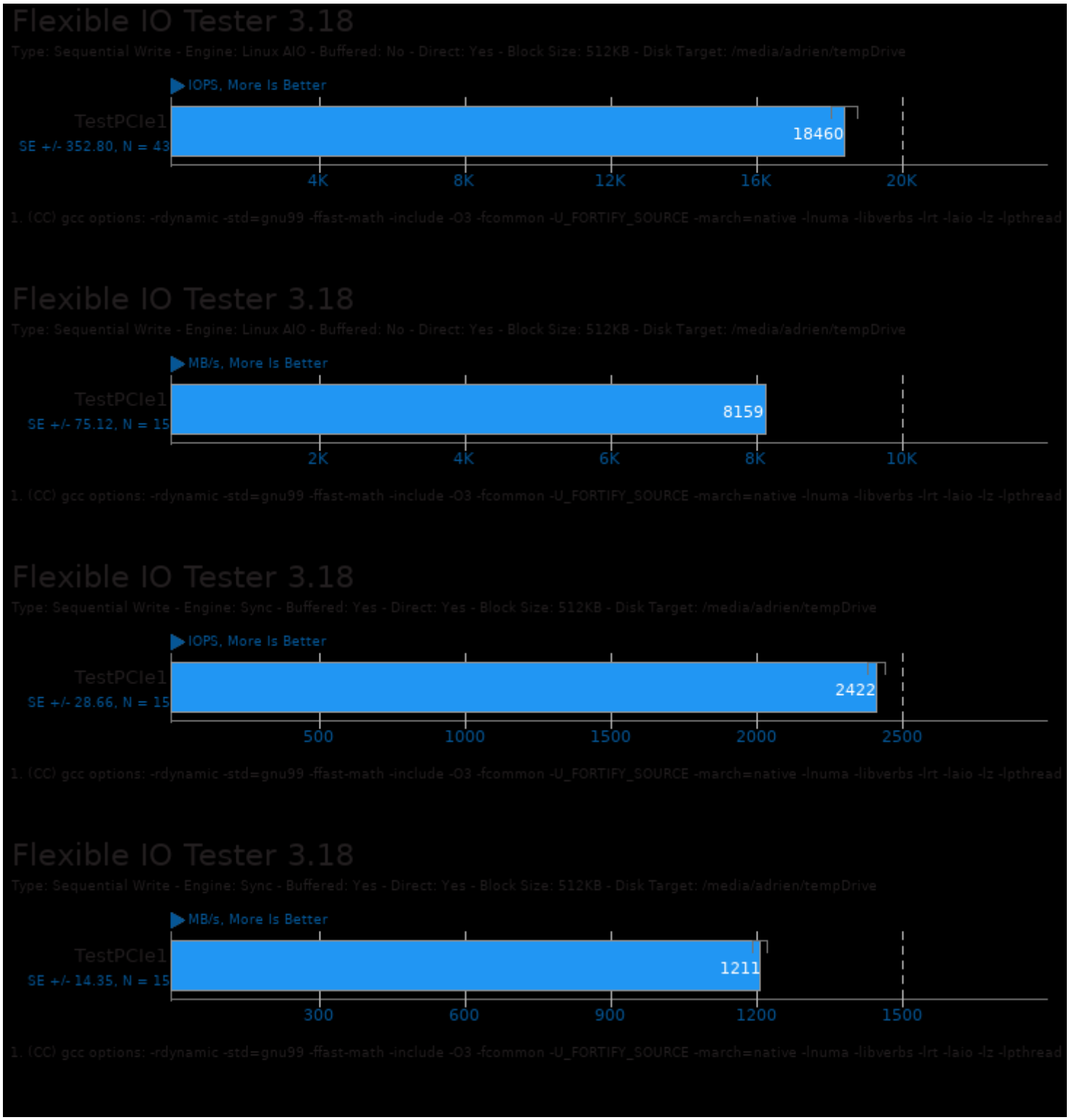
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 512KB - /media/adrien/tempDrive (MB/s)	1105
Standard Deviation	6.3%
Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 64KB - /media/adrien/tempDrive (IOPS)	18340
Standard Deviation	9.6%
Flexible IO Tester - Seq Write - Linux AIO - Yes - Yes - 64KB - /media/adrien/tempDrive (MB/s)	1150
Standard Deviation	9.2%
Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 64KB - /media/adrien/tempDrive (IOPS)	18480
Standard Deviation	9.2%
Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 64KB - /media/adrien/tempDrive (MB/s)	1155
Standard Deviation	9.1%
Flexible IO Tester - Seq Write - IO_uring - Yes - No - 64KB - /media/adrien/tempDrive (IOPS)	16025
Standard Deviation	5.8%
Flexible IO Tester - Seq Write - IO_uring - Yes - No - 64KB - /media/adrien/tempDrive (MB/s)	1002
Standard Deviation	5.9%
Flexible IO Tester - Seq Write - Sync - Yes - No - 64KB - /media/adrien/tempDrive (IOPS)	19973
Standard Deviation	7.4%
Flexible IO Tester - Seq Write - Sync - Yes - No - 64KB - /media/adrien/tempDrive (MB/s)	1261
Standard Deviation	6.9%
Flexible IO Tester - Seq Write - Linux AIO - No - No - 8KB - /media/adrien/tempDrive (IOPS)	144600
Standard Deviation	23.7%
Flexible IO Tester - Seq Write - Linux AIO - No - No - 8KB - /media/adrien/tempDrive (MB/s)	1130
Standard Deviation	23.7%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 64KB - /media/adrien/tempDrive (IOPS)	88320
Standard Deviation	19.7%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 64KB - /media/adrien/tempDrive (MB/s)	5517
Standard Deviation	19.6%
Flexible IO Tester - Seq Write - Linux AIO - No - No - 64KB - /media/adrien/tempDrive (IOPS)	104008
Standard Deviation	10.3%
Flexible IO Tester - Seq Write - Linux AIO - No - No - 64KB - /media/adrien/tempDrive (MB/s)	6485
Standard Deviation	10.3%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 64KB - /media/adrien/tempDrive (IOPS)	17900
Standard Deviation	2.9%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 64KB - /media/adrien/tempDrive (MB/s)	1120
Standard Deviation	2.9%

Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 8KB - /media/adrien/tempDrive (IOPS)	120667
Standard Deviation	2.7%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - Yes - 8KB - /media/adrien/tempDrive (MB/s)	944
Standard Deviation	2.6%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 64KB - /media/adrien/tempDrive (IOPS)	19167
Standard Deviation	2.6%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 64KB - /media/adrien/tempDrive (MB/s)	1199
Standard Deviation	2.8%
Flexible IO Tester - Seq Write - Sync - Yes - No - 512KB - /media/adrien/tempDrive (IOPS)	2681
Standard Deviation	1.7%
Flexible IO Tester - Seq Write - Sync - Yes - No - 512KB - /media/adrien/tempDrive (MB/s)	1341
Standard Deviation	1.7%
Flexible IO Tester - Seq Write - IO_uring - Yes - No - 512KB - /media/adrien/tempDrive (IOPS)	2257
Standard Deviation	2.4%
Flexible IO Tester - Seq Write - IO_uring - Yes - No - 512KB - /media/adrien/tempDrive (MB/s)	1131
Standard Deviation	2.4%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 512KB - /media/adrien/tempDrive (IOPS)	2361
Standard Deviation	0.8%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 512KB - /media/adrien/tempDrive (MB/s)	1182
Standard Deviation	0.8%
Flexible IO Tester - Seq Write - IO_uring - Yes - Yes - 512KB - /media/adrien/tempDrive (IOPS)	2045
Standard Deviation	2.8%
Flexible IO Tester - Seq Write - IO_uring - Yes - Yes - 512KB - /media/adrien/tempDrive (MB/s)	1025
Standard Deviation	2.9%
Flexible IO Tester - Seq Write - Sync - Yes - No - 8KB - /media/adrien/tempDrive (IOPS)	156000
Flexible IO Tester - Seq Write - Sync - Yes - No - 8KB - /media/adrien/tempDrive (MB/s)	1218
Standard Deviation	0.8%
Flexible IO Tester - Seq Write - Sync - Yes - Yes - 64KB - /media/adrien/tempDrive (IOPS)	18567
Standard Deviation	2.7%
Flexible IO Tester - Seq Write - Sync - Yes - Yes - 64KB - /media/adrien/tempDrive (MB/s)	1161
Standard Deviation	2.7%
Flexible IO Tester - Seq Write - IO_uring - Yes - Yes - 64KB - /media/adrien/tempDrive (IOPS)	16033
Standard Deviation	1.8%

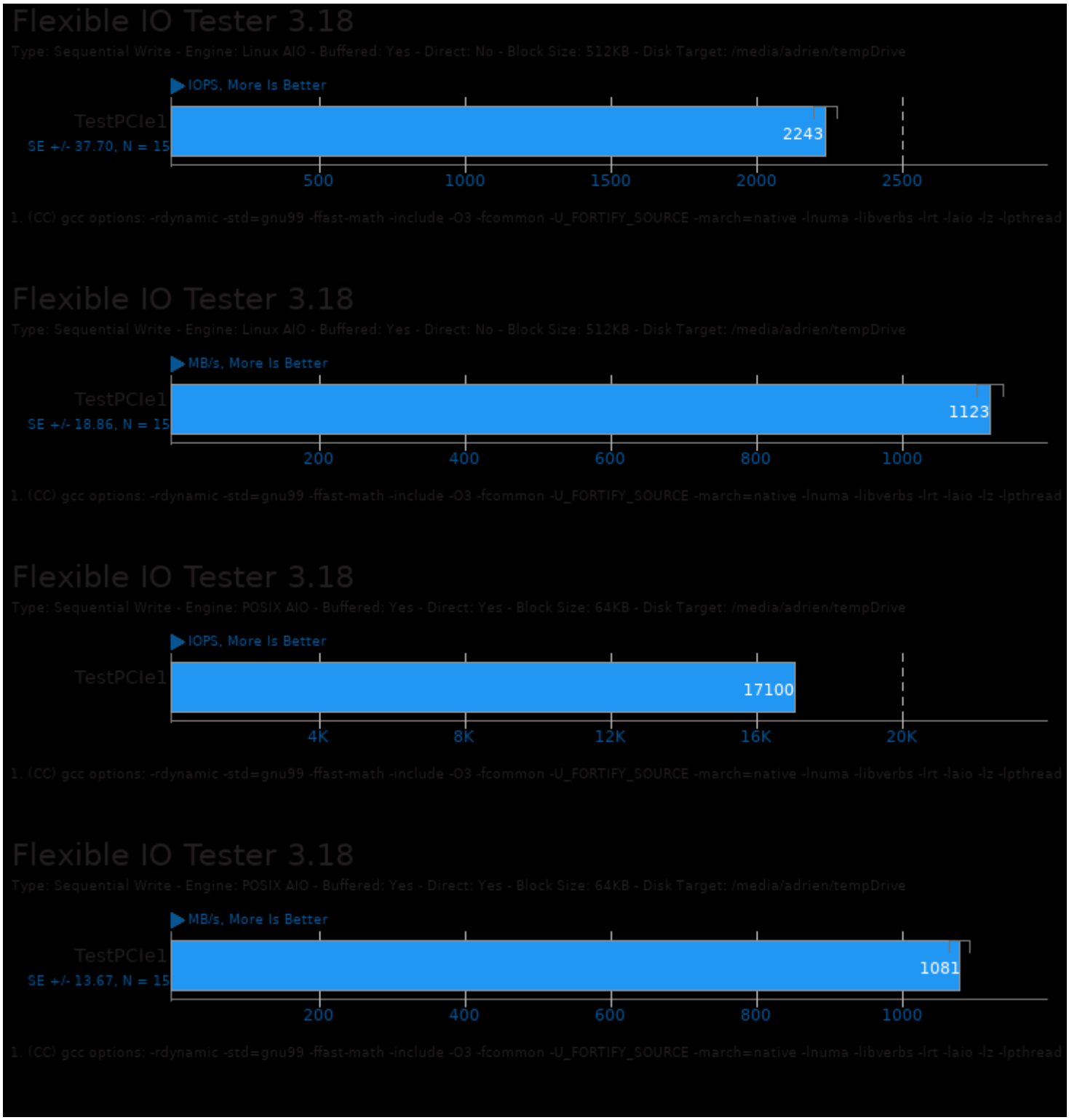
Flexible IO Tester - Seq Write - IO_uring - Yes - Yes - 64KB - /media/adrien/tempDrive (MB/s)	1001
Standard Deviation	1.6%
Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 8KB - /media/adrien/tempDrive (IOPS)	144333
Standard Deviation	1.4%
Flexible IO Tester - Seq Write - Linux AIO - Yes - No - 8KB - /media/adrien/tempDrive (MB/s)	1128
Standard Deviation	1.5%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 8KB - /media/adrien/tempDrive (IOPS)	139333
Standard Deviation	1.8%
Flexible IO Tester - Seq Write - POSIX AIO - Yes - No - 8KB - /media/adrien/tempDrive (MB/s)	1089
Standard Deviation	1.9%
Flexible IO Tester - Seq Write - Linux AIO - No - No - 512KB - /media/adrien/tempDrive (IOPS)	18000
Standard Deviation	12.5%
Flexible IO Tester - Seq Write - Linux AIO - No - No - 512KB - /media/adrien/tempDrive (MB/s)	8352
Standard Deviation	0.8%
Flexible IO Tester - Seq Write - IO_uring - Yes - Yes - 8KB - /media/adrien/tempDrive (IOPS)	120667
Standard Deviation	1.3%
Flexible IO Tester - Seq Write - IO_uring - Yes - Yes - 8KB - /media/adrien/tempDrive (MB/s)	944
Standard Deviation	1.3%
Flexible IO Tester - Seq Write - Sync - No - No - 8KB - /media/adrien/tempDrive (IOPS)	38533
Standard Deviation	0.5%
Flexible IO Tester - Seq Write - Sync - No - No - 8KB - /media/adrien/tempDrive (MB/s)	301
Standard Deviation	0.6%
Flexible IO Tester - Seq Write - Sync - No - Yes - 8KB - /media/adrien/tempDrive (IOPS)	38400
Standard Deviation	0.7%
Flexible IO Tester - Seq Write - Sync - No - Yes - 8KB - /media/adrien/tempDrive (MB/s)	300
Standard Deviation	0.9%
Flexible IO Tester - Seq Write - Sync - No - Yes - 512KB - /media/adrien/tempDrive (IOPS)	4429
Standard Deviation	1.7%
Flexible IO Tester - Seq Write - Sync - No - Yes - 512KB - /media/adrien/tempDrive (MB/s)	2215
Standard Deviation	1.7%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 64KB - /media/adrien/tempDrive (IOPS)	17967
Standard Deviation	1.2%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 64KB - /media/adrien/tempDrive (MB/s)	1124
Standard Deviation	1.1%

Flexible IO Tester - Seq Write - Sync - No - Yes - 64KB - /media/adrien/tempDrive (IOPS)	19100
Standard Deviation	2.3%
Flexible IO Tester - Seq Write - Sync - No - Yes - 64KB - /media/adrien/tempDrive (MB/s)	1194
Standard Deviation	2.2%
Flexible IO Tester - Seq Write - Sync - No - No - 512KB - /media/adrien/tempDrive (IOPS)	4781
Standard Deviation	1.1%
Flexible IO Tester - Seq Write - Sync - No - No - 512KB - /media/adrien/tempDrive (MB/s)	2391
Standard Deviation	1.1%
Flexible IO Tester - Seq Write - Sync - No - No - 64KB - /media/adrien/tempDrive (IOPS)	19467
Standard Deviation	2.1%
Flexible IO Tester - Seq Write - Sync - No - No - 64KB - /media/adrien/tempDrive (MB/s)	1239
Standard Deviation	0.9%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 512KB - /media/adrien/tempDrive (IOPS)	4548
Standard Deviation	0.9%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 512KB - /media/adrien/tempDrive (MB/s)	2276
Standard Deviation	0.9%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 8KB - /media/adrien/tempDrive (IOPS)	171667
Standard Deviation	1.3%
Flexible IO Tester - Seq Write - Linux AIO - No - Yes - 8KB - /media/adrien/tempDrive (MB/s)	1341
Standard Deviation	1.2%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 8KB - /media/adrien/tempDrive (IOPS)	36100
Standard Deviation	0.7%
Flexible IO Tester - Seq Write - POSIX AIO - No - Yes - 8KB - /media/adrien/tempDrive (MB/s)	282
Standard Deviation	0.7%
Flexible IO Tester - Seq Write - Sync - Yes - Yes - 8KB - /media/adrien/tempDrive (IOPS)	157667
Standard Deviation	1%
Flexible IO Tester - Seq Write - Sync - Yes - Yes - 8KB - /media/adrien/tempDrive (MB/s)	1232
Standard Deviation	0.9%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 512KB - /media/adrien/tempDrive (IOPS)	4497
Standard Deviation	0.7%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 512KB - /media/adrien/tempDrive (MB/s)	2250
Standard Deviation	0.6%
Flexible IO Tester - Seq Write - IO_uring - Yes - No - 8KB - /media/adrien/tempDrive (IOPS)	137333
Standard Deviation	1.7%

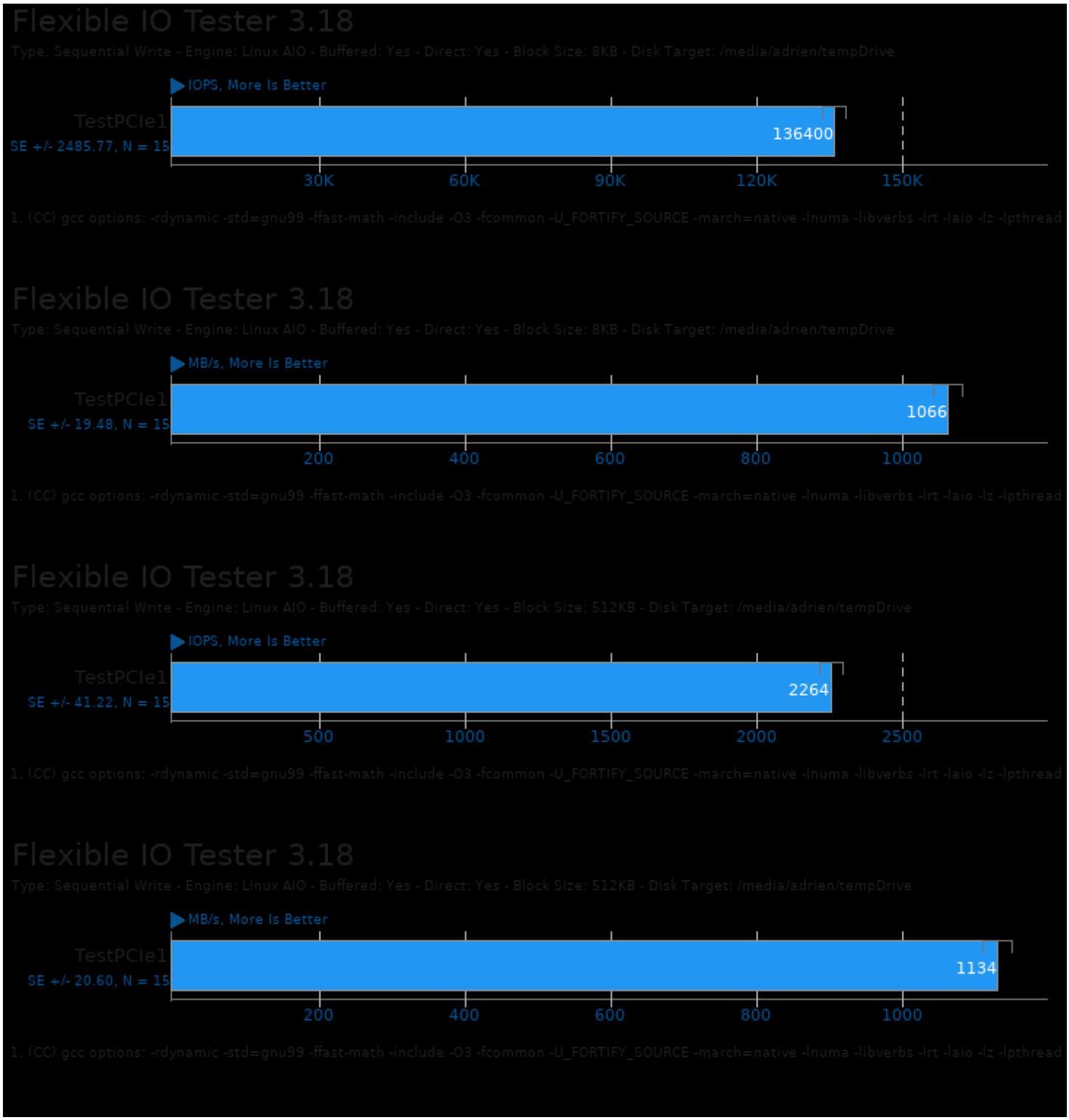
Flexible IO Tester - Seq Write - IO_uring - Yes - No - 8KB - /media/adrien/tempDrive (MB/s)	1073
Standard Deviation	1.8%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 8KB - /media/adrien/tempDrive (IOPS)	37667
Standard Deviation	2.5%
Flexible IO Tester - Seq Write - POSIX AIO - No - No - 8KB - /media/adrien/tempDrive (MB/s)	294
Standard Deviation	2.4%


Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 352.80, N = 43
18460
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 75.12, N = 15
8159
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 28.66, N = 15
2422
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 14.35, N = 15
1211
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

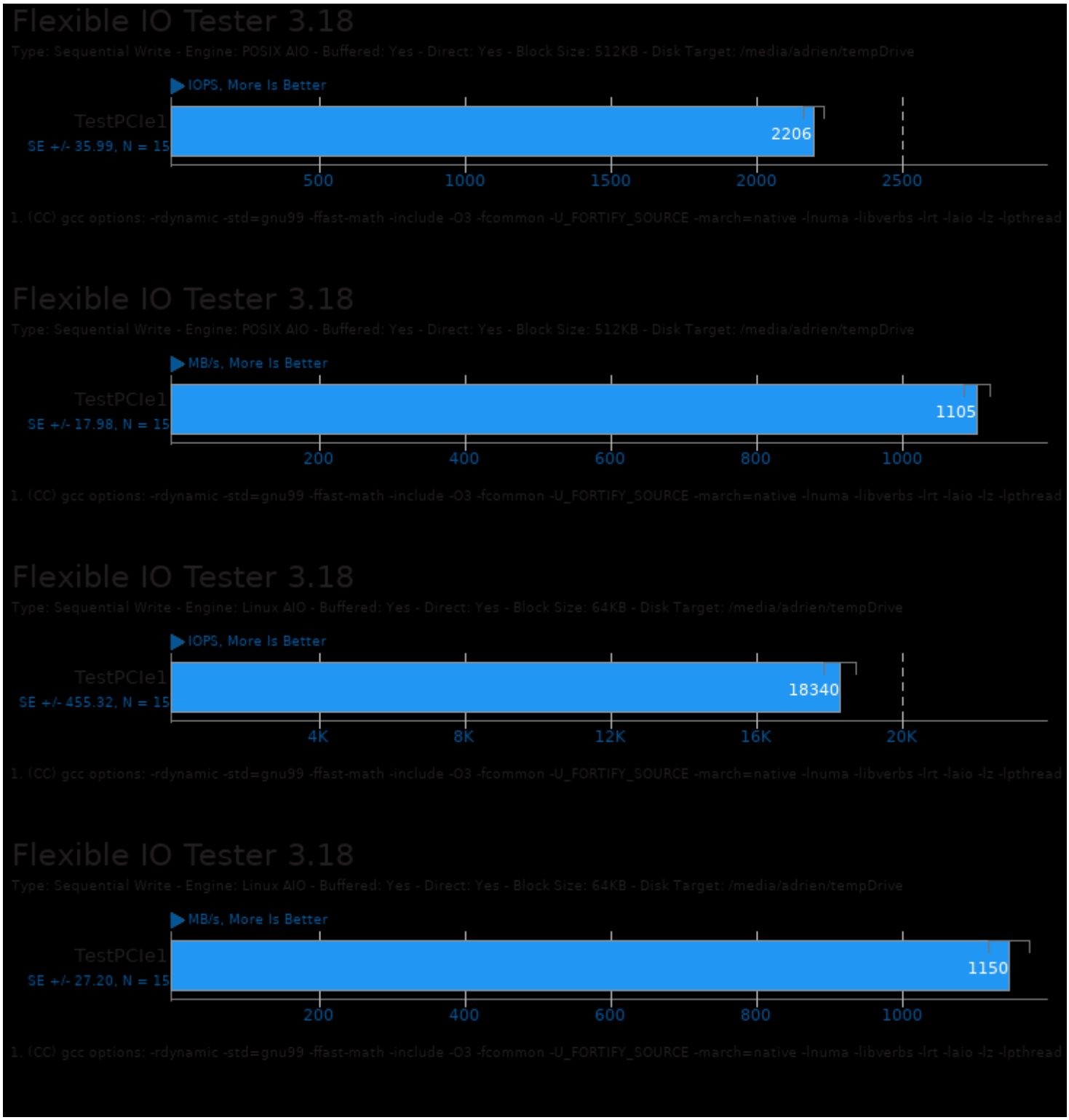
TestPCIe


Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 37.70, N = 15
2243
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 18.86, N = 15
1123
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
17100
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 13.67, N = 15
1081
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

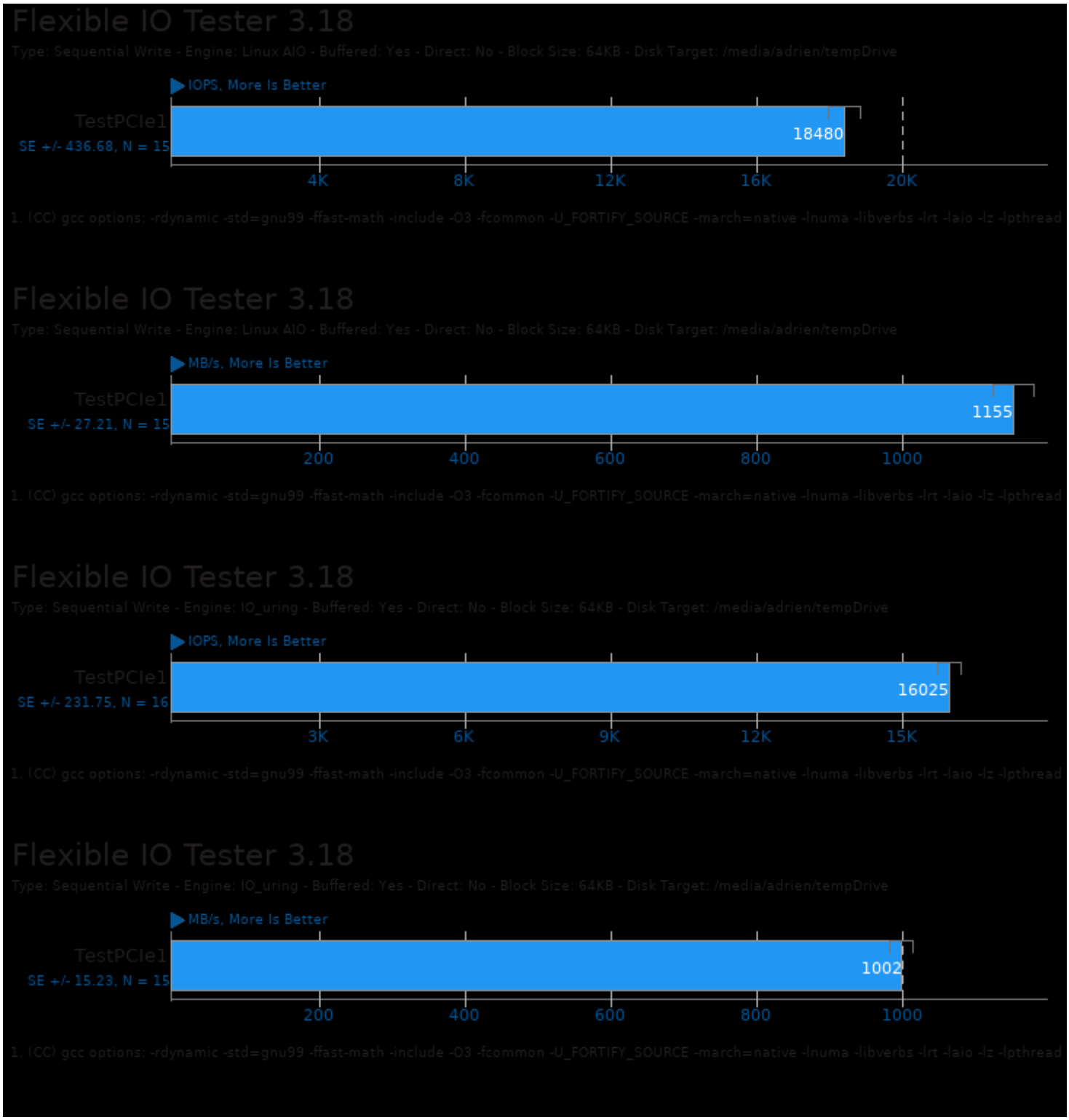
TestPCIe


Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 2485.77, N = 15
136400
30K
60K
90K
120K
150K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 19.48, N = 15
1066
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 41.22, N = 15
2264
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 20.60, N = 15
1134
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

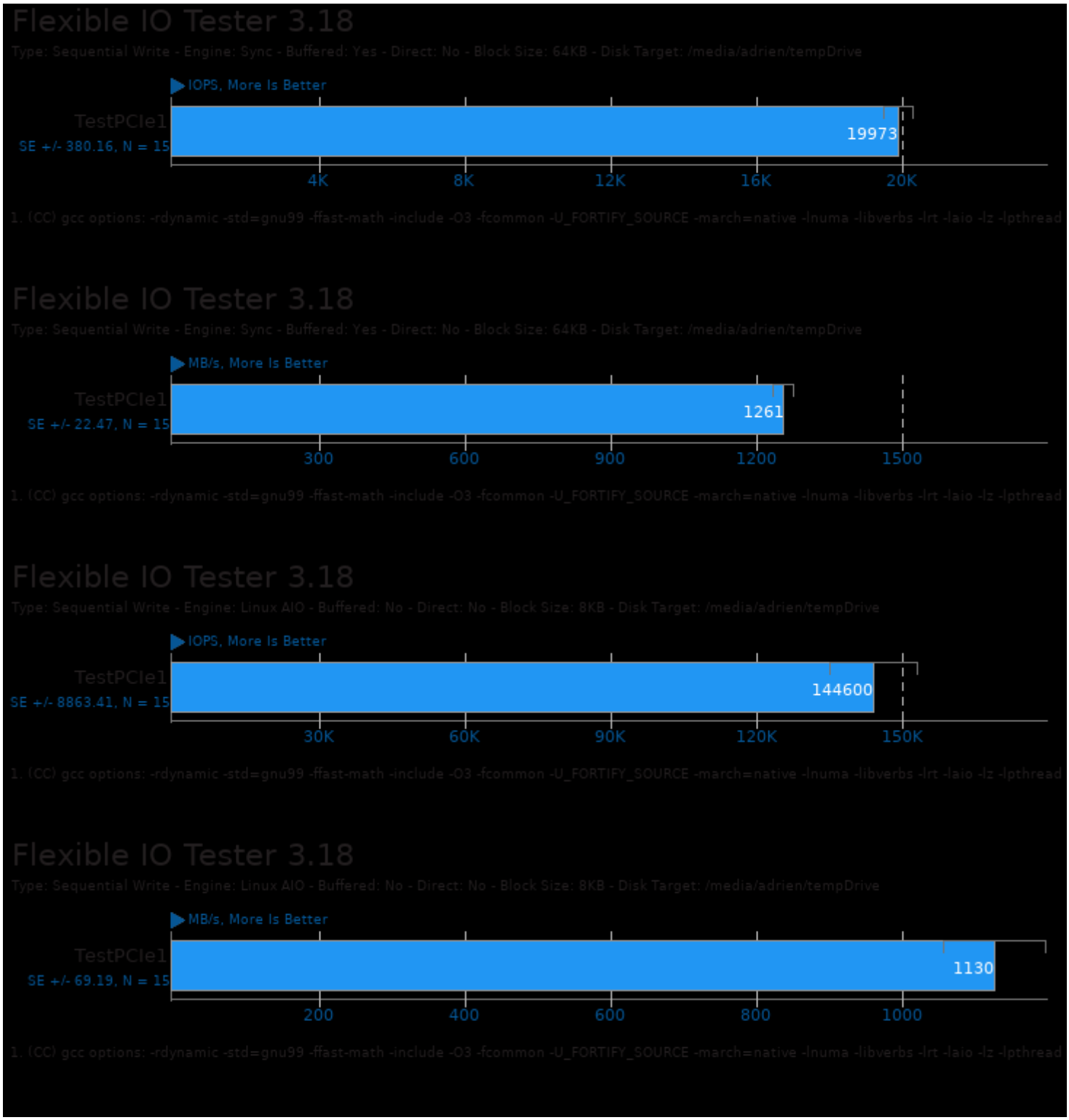
TestPCIe


Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 35.99, N = 15
2206
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 17.98, N = 15
1105
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 455.32, N = 15
18340
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 27.20, N = 15
1150
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

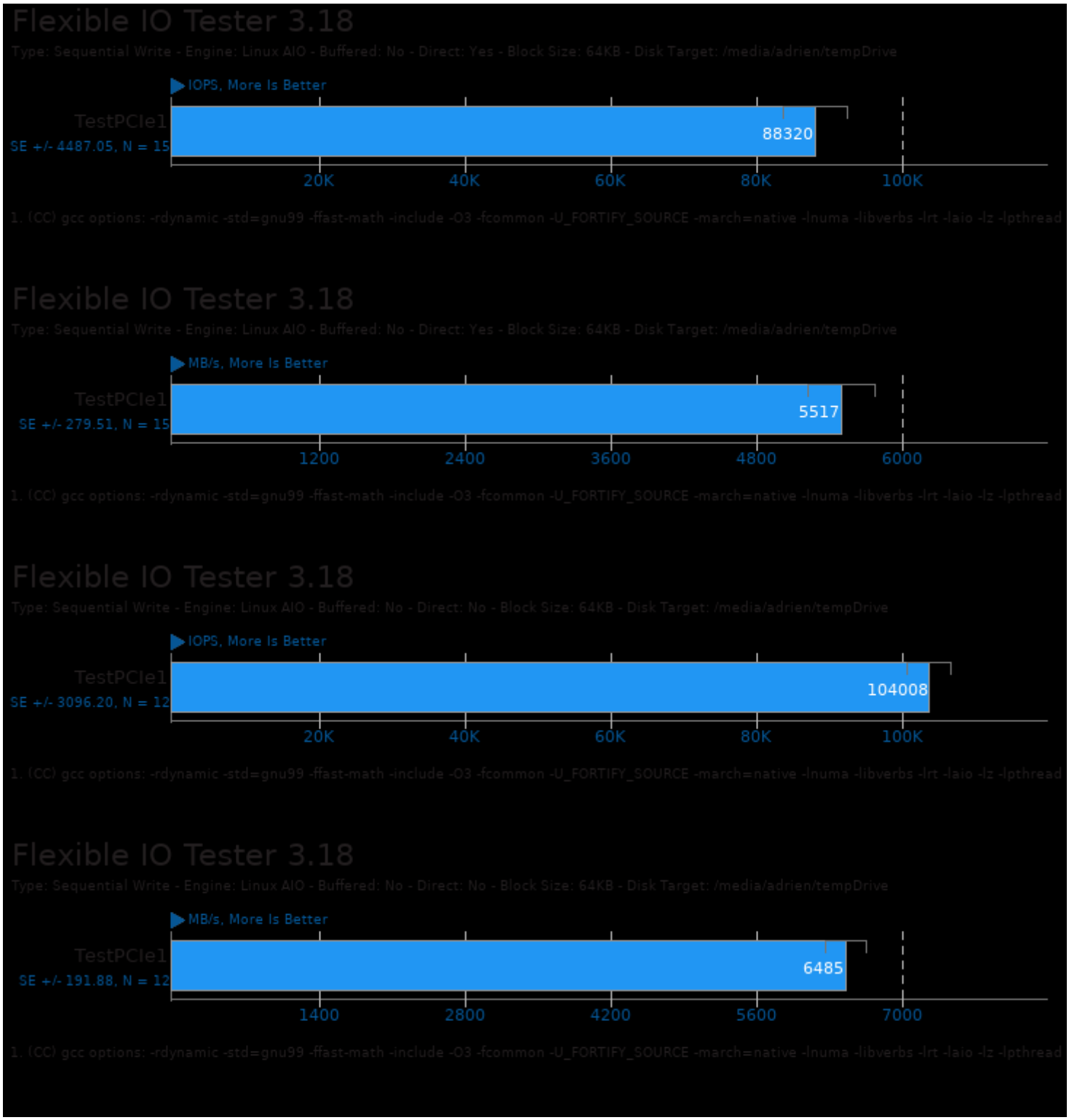
TestPCIe


Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 436.68, N = 15
18480
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 27.21, N = 15
1155
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 231.75, N = 16
16025
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 15.23, N = 15
1002
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

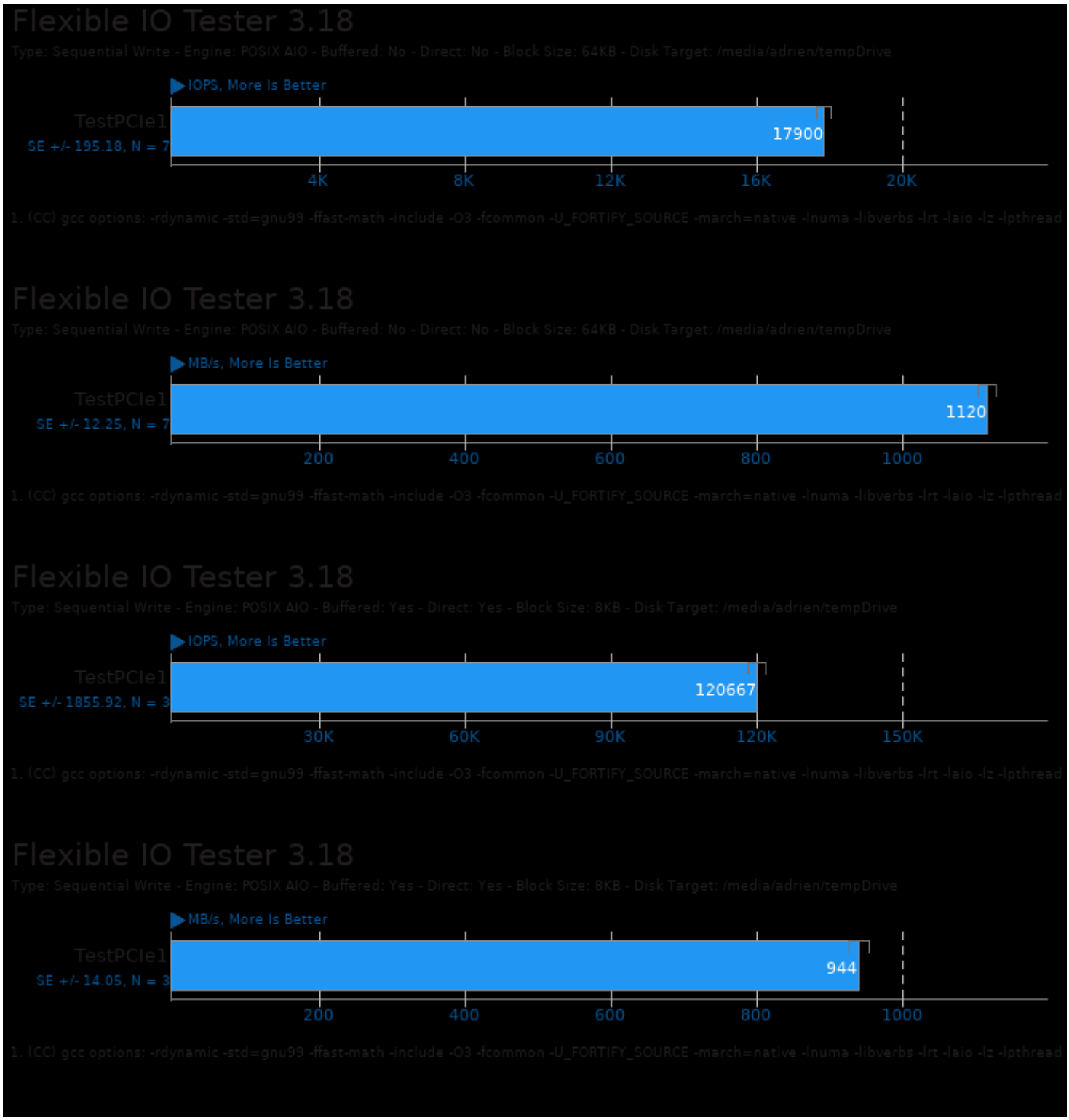
TestPCIe


Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 380.16, N = 15
19973
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 22.47, N = 15
1261
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 8863.41, N = 15
144600
30K
60K
90K
120K
150K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 69.19, N = 15
1130
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

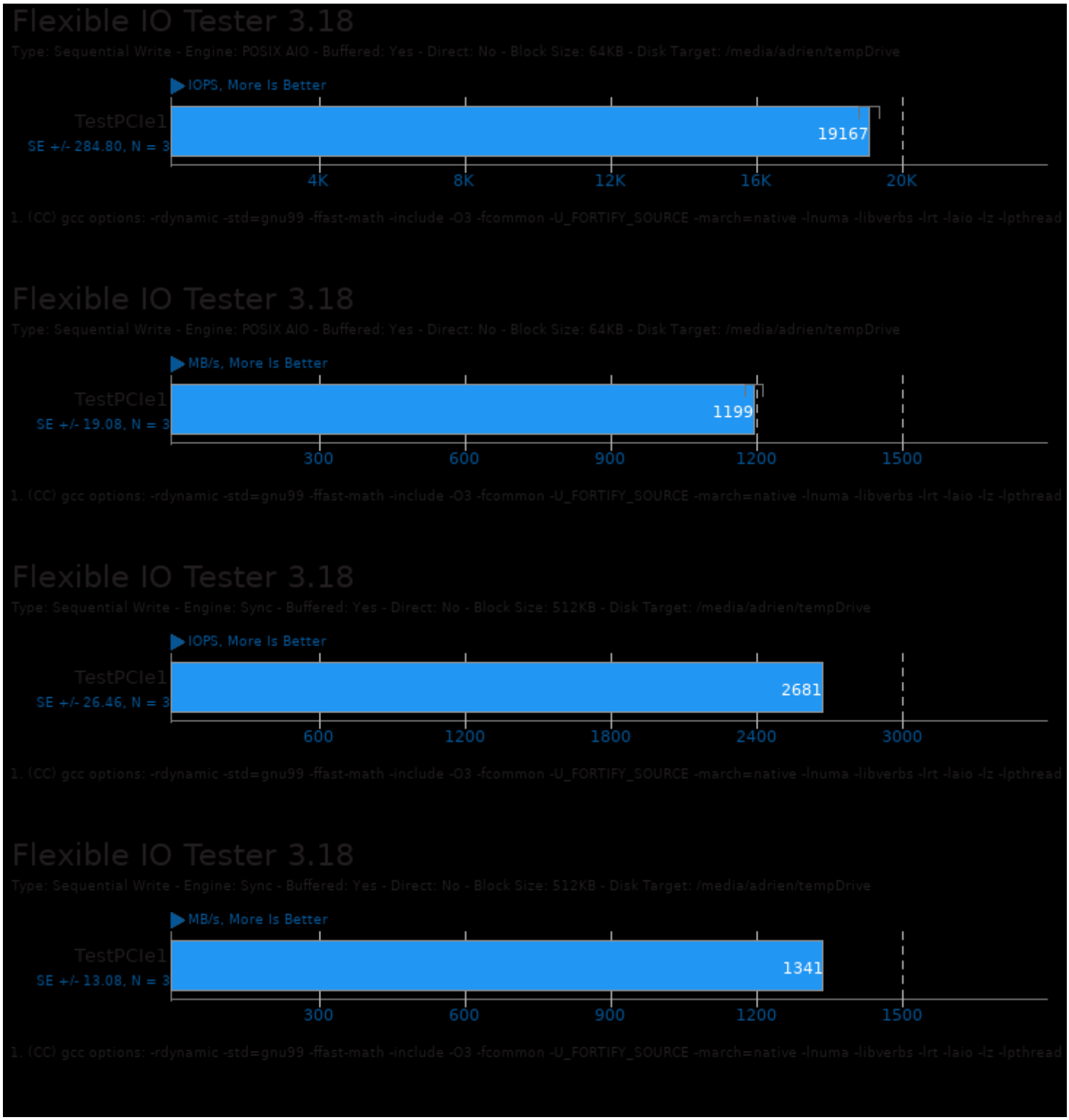
TestPCIe

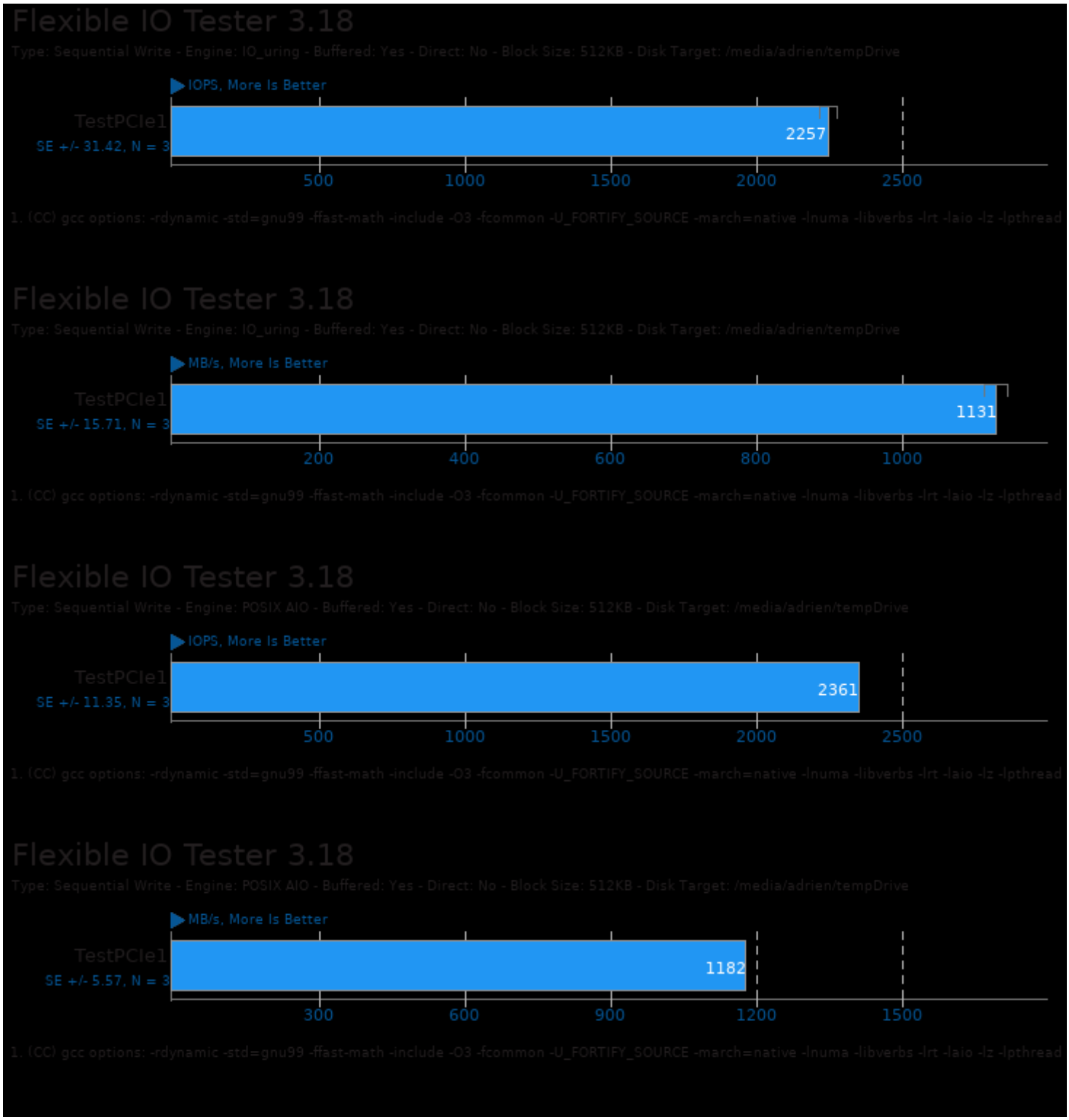

Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 4487.05, N = 15
88320
20K
40K
60K
80K
100K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 279.51, N = 15
5517
1200
2400
3600
4800
6000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 3096.20, N = 12
104008
20K
40K
60K
80K
100K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 191.88, N = 12
6485
1400
2800
4200
5600
7000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

TestPCIe

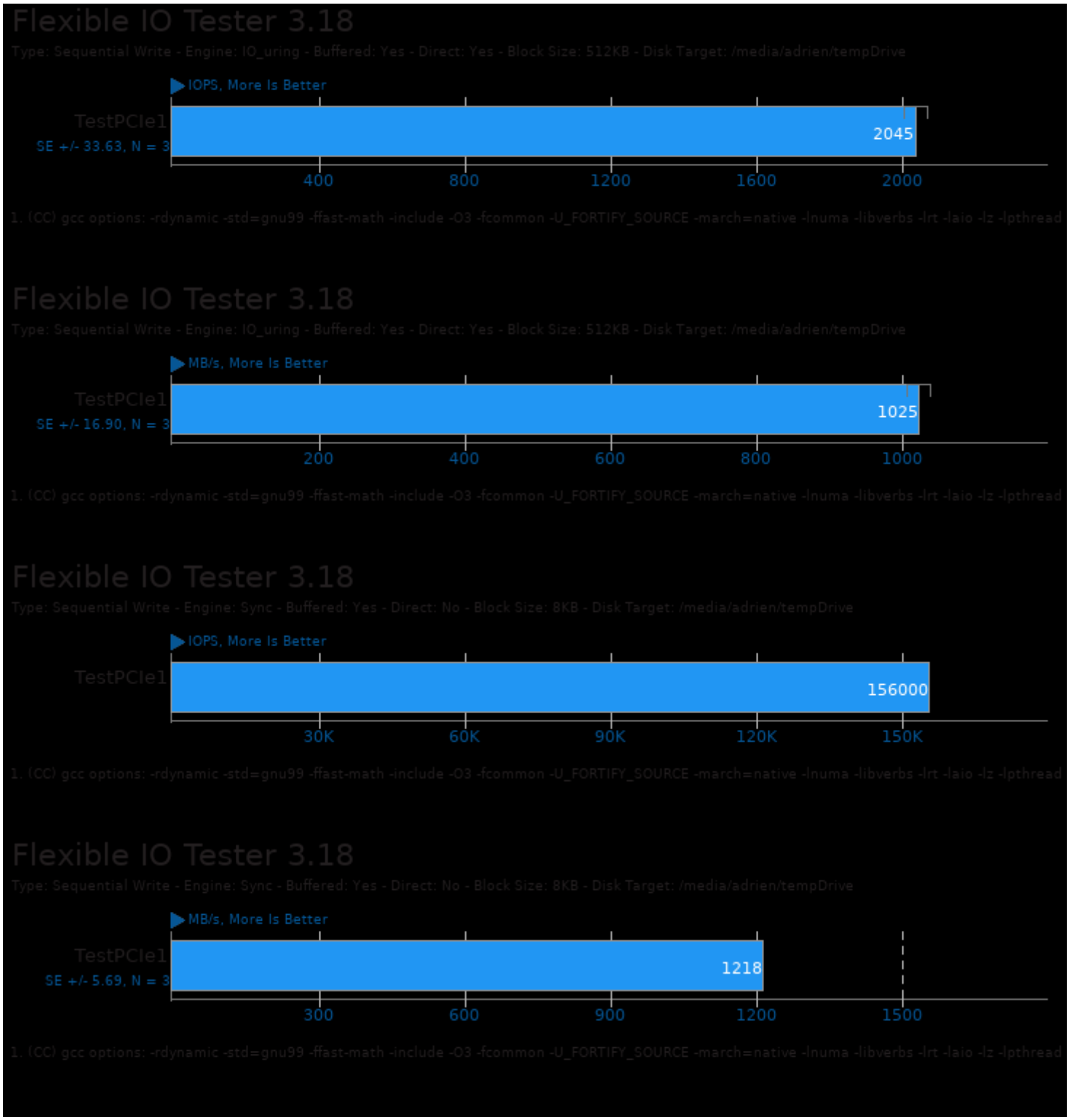

Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 195.18, N = 7
17900
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 12.25, N = 7
1120
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 1855.92, N = 3
120667
30K
60K
90K
120K
150K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 14.05, N = 3
944
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

TestPCIe

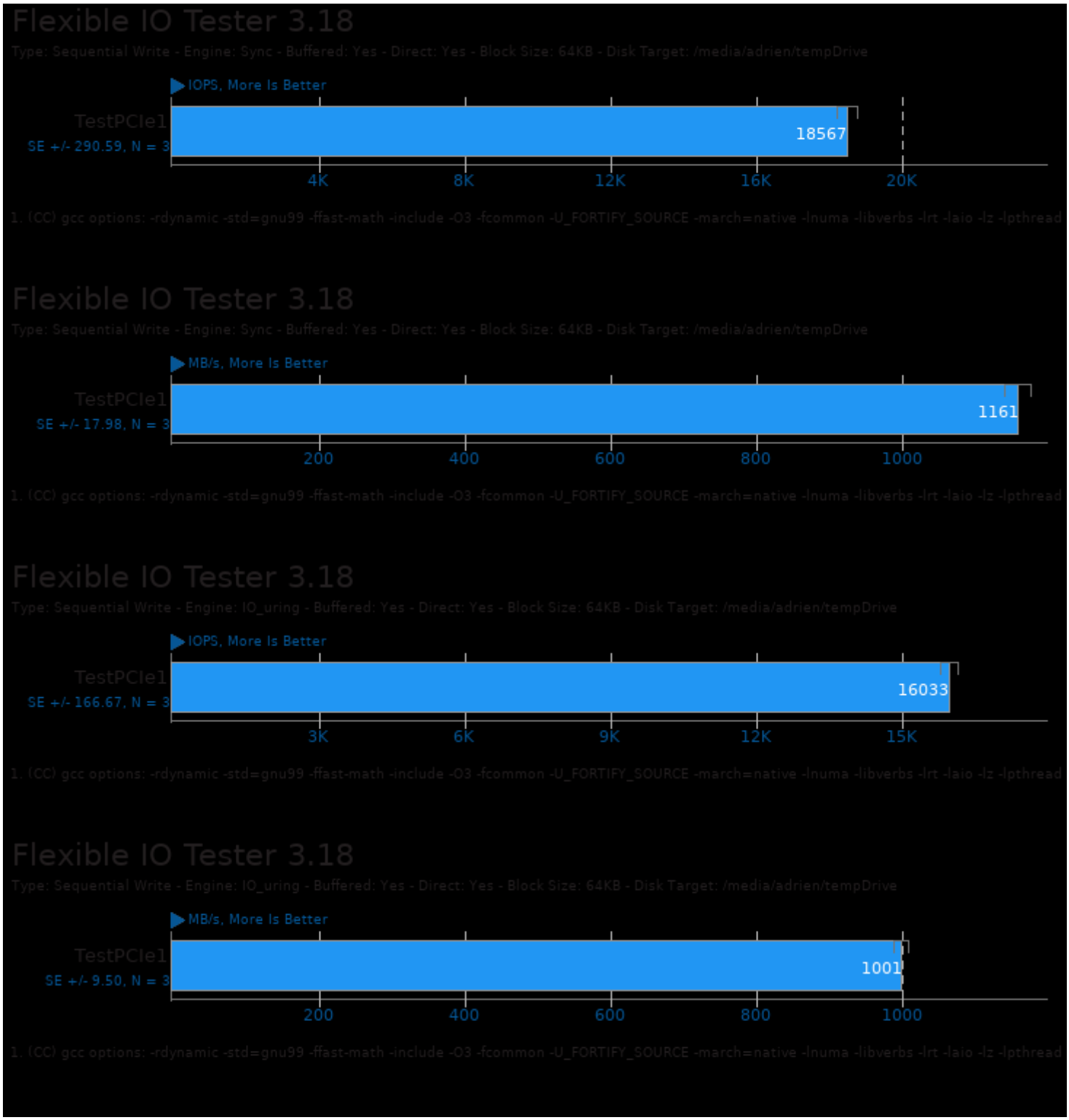

Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 284.80, N = 3
19167
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 19.08, N = 3
1199
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 26.46, N = 3
2681
600
1200
1800
2400
3000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 13.08, N = 3
1341
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread


Flexible IO Tester 3.18
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 31.42, N = 3
2257
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 15.71, N = 3
1131
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 11.35, N = 3
2361
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 5.57, N = 3
1182
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

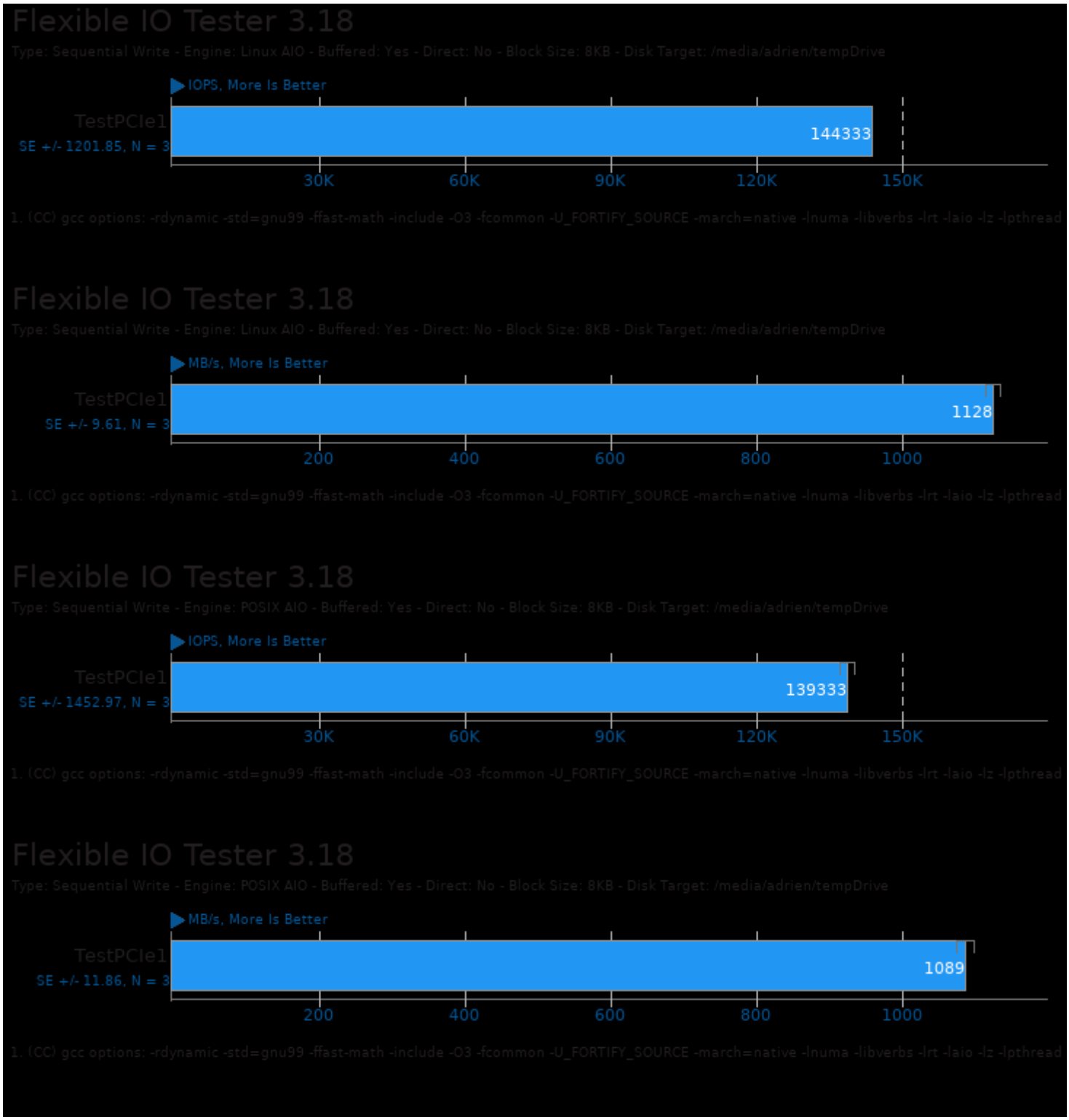
TestPCIe

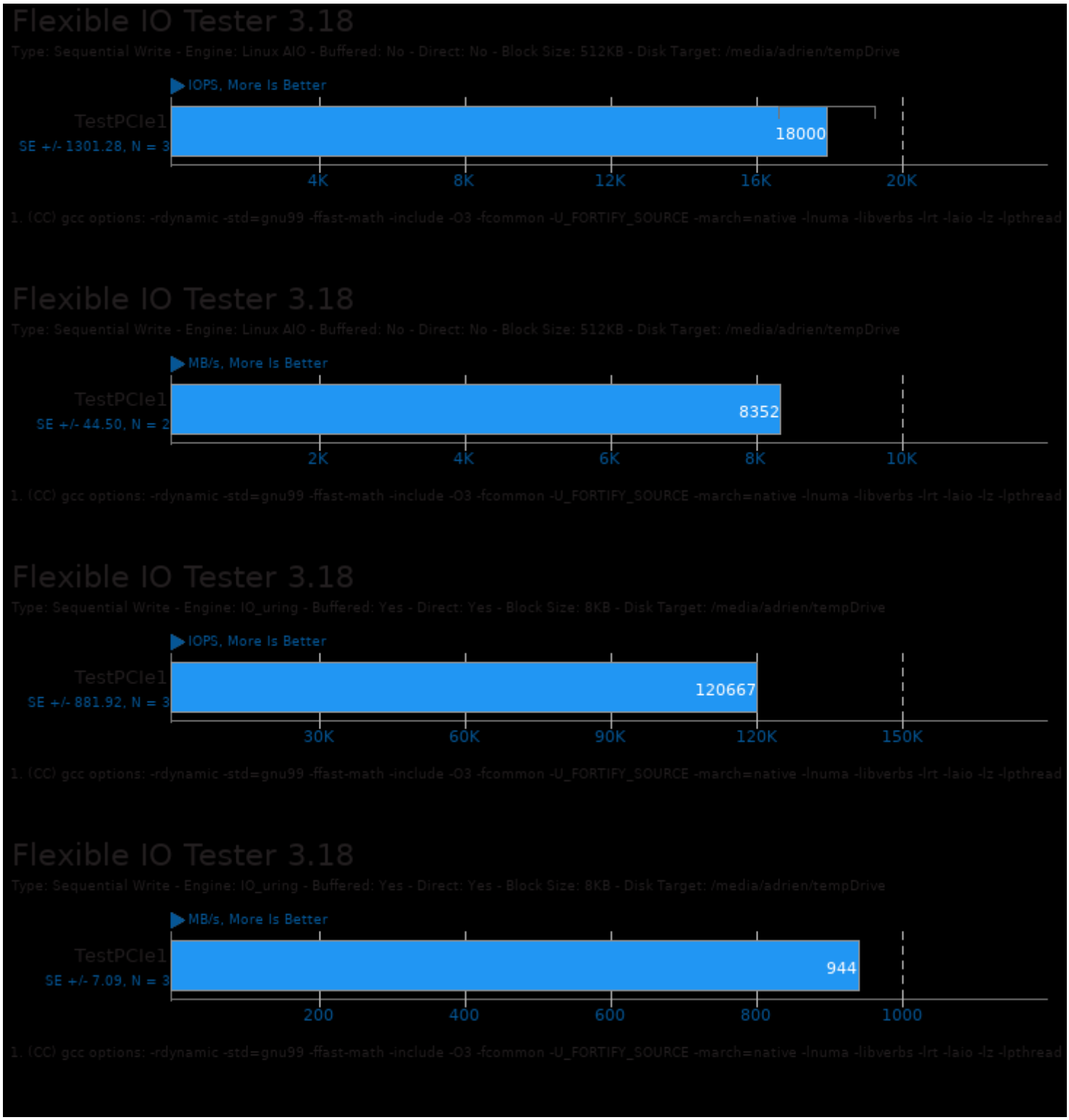

Flexible IO Tester 3.18
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 33.63, N = 3
2045
400
800
1200
1600
2000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 16.90, N = 3
1025
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
156000
30K
60K
90K
120K
150K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: No - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 5.69, N = 3
1218
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

TestPCIe

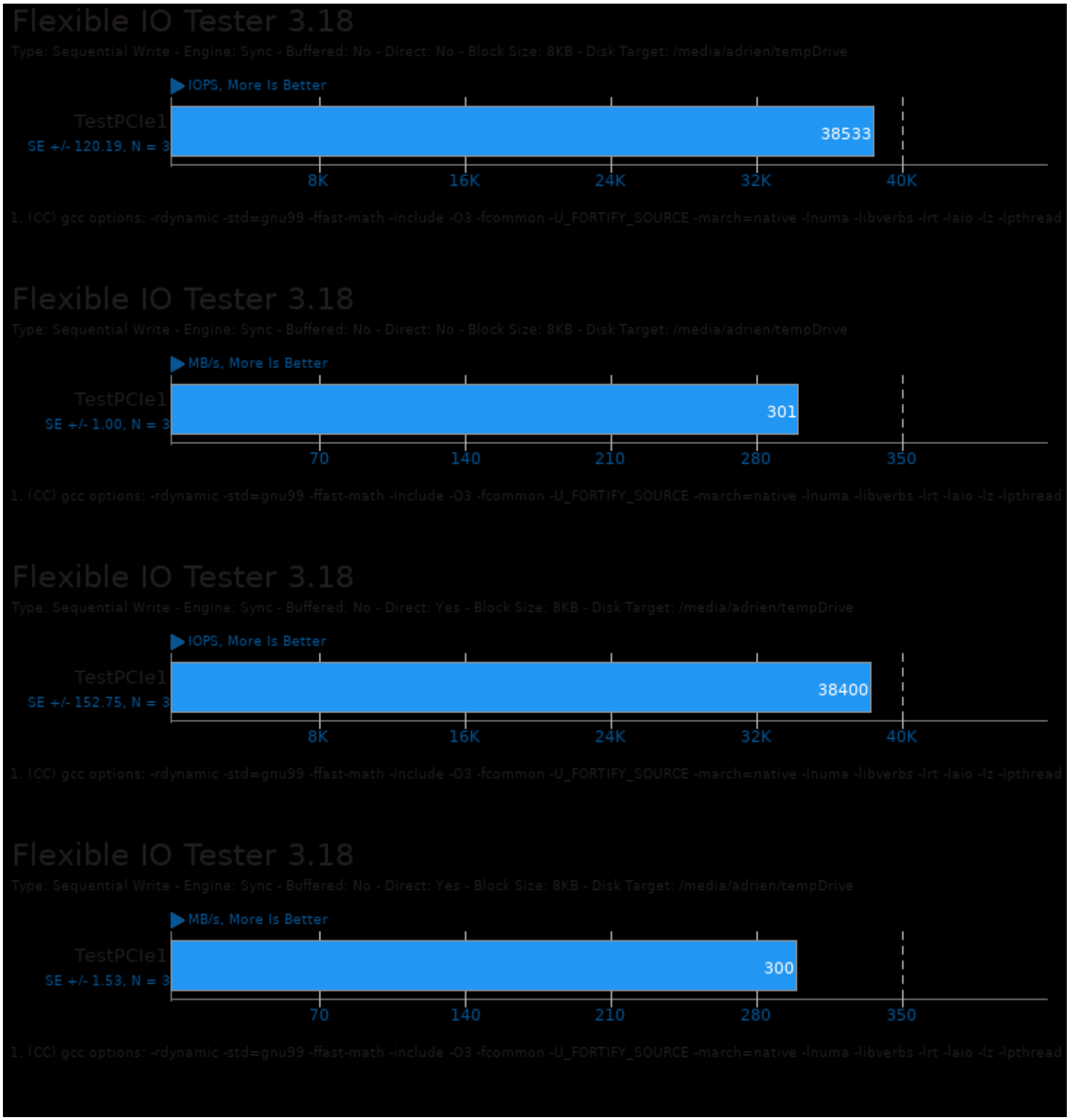

Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 290.59, N = 3
18567
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 17.98, N = 3
1161
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 166.67, N = 3
16033
3K
6K
9K
12K
15K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 9.50, N = 3
1001
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

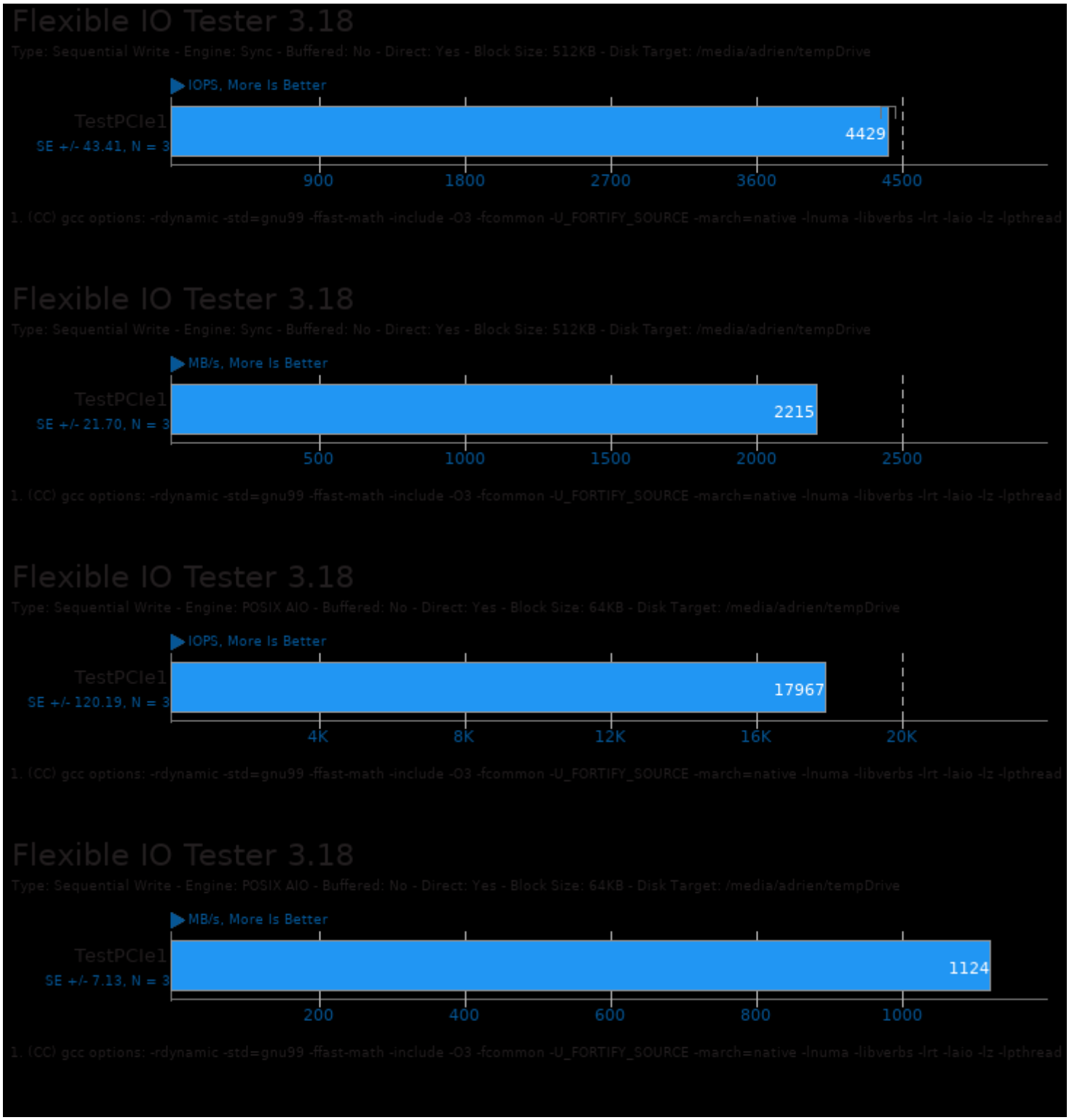
TestPCIe


Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 1201.85, N = 3
144333
30K
60K
90K
120K
150K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: Yes - Direct: No - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 9.61, N = 3
1128
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 1452.97, N = 3
139333
30K
60K
90K
120K
150K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: Yes - Direct: No - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 11.86, N = 3
1089
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

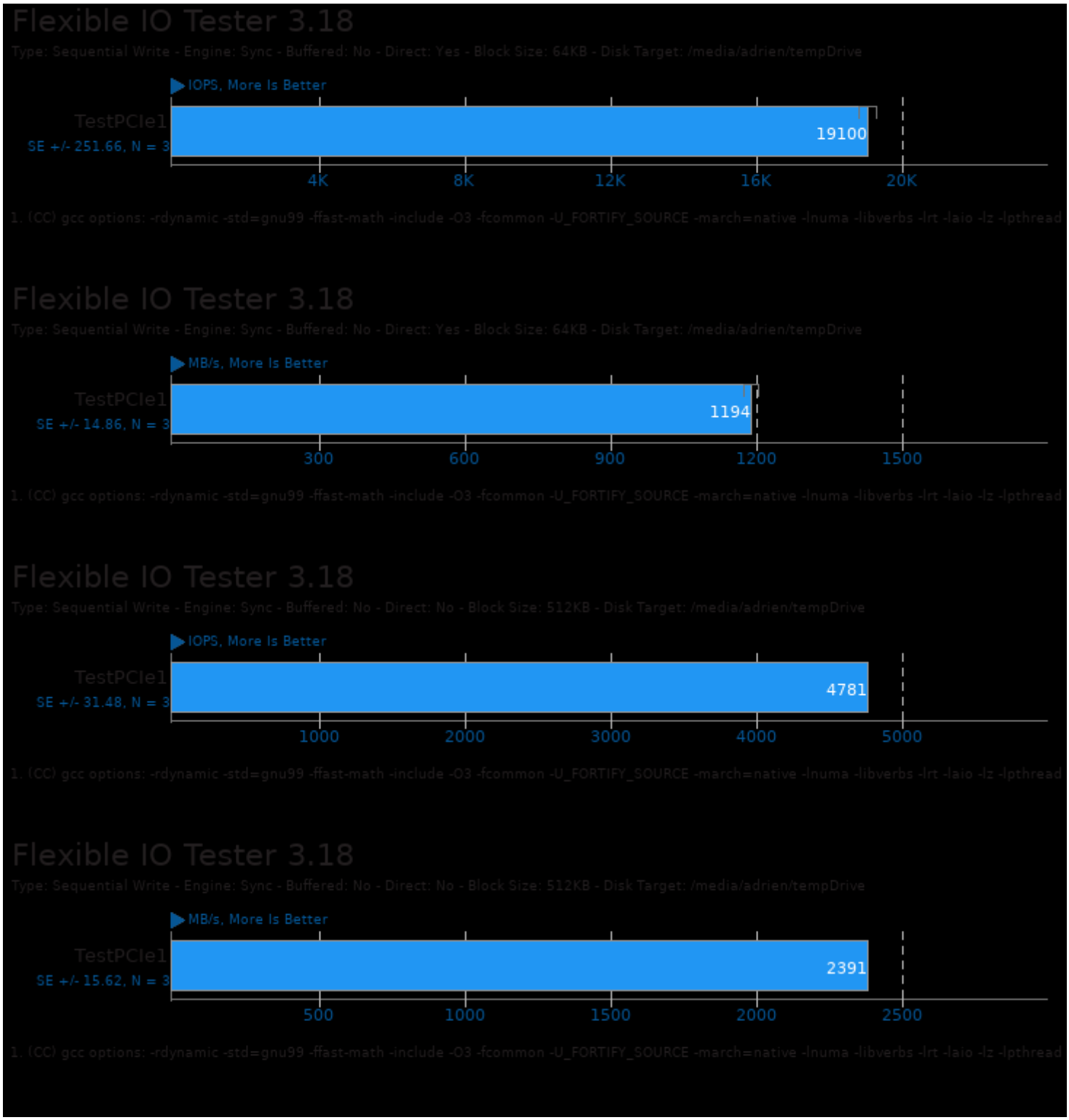

Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 1301.28, N = 3
18000
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 44.50, N = 2
8352
2K
4K
6K
8K
10K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 881.92, N = 3
120667
30K
60K
90K
120K
150K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: IO_uring - Buffered: Yes - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 7.09, N = 3
944
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

TestPCIe

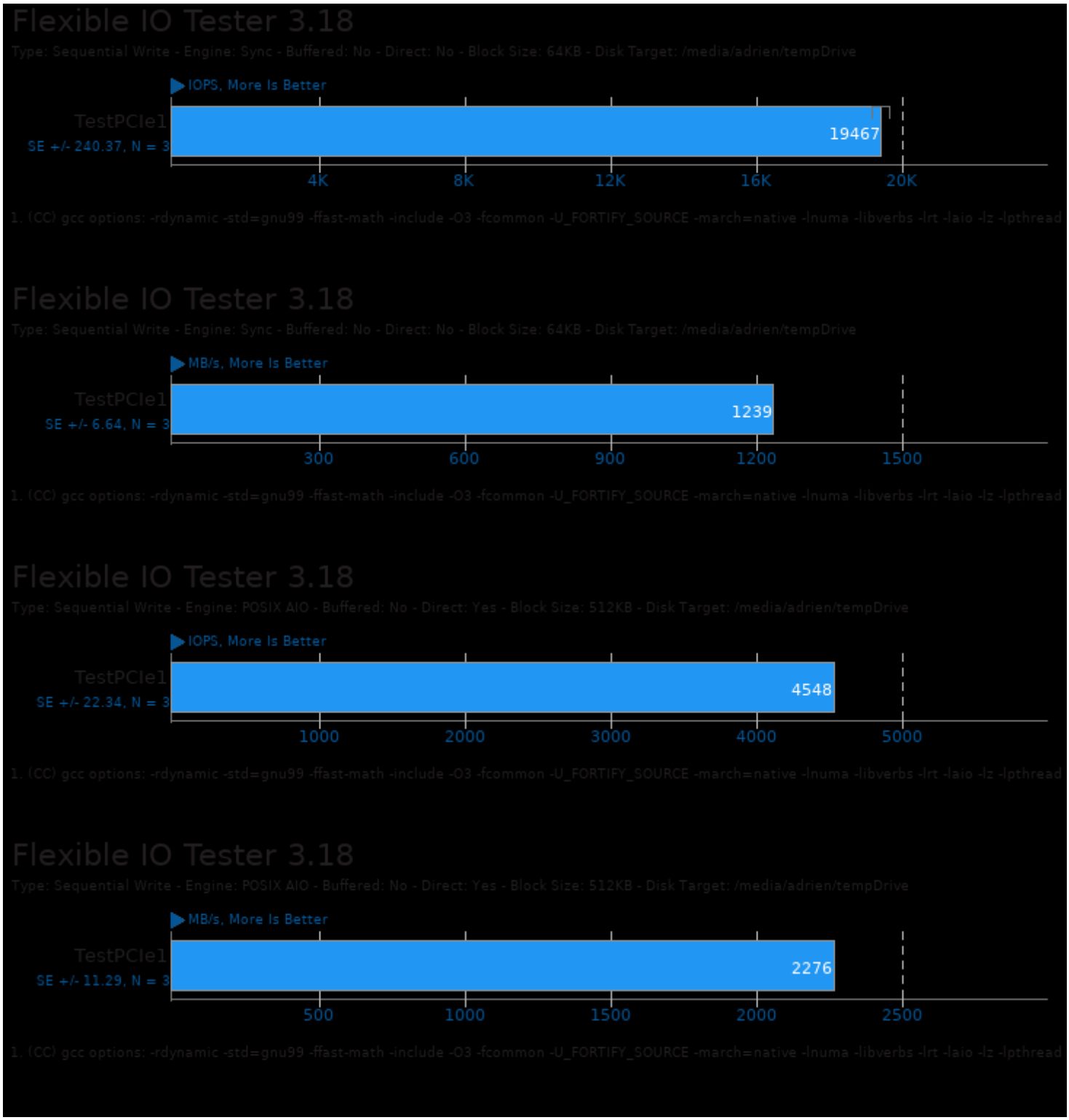

Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: No - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 120.19, N = 3
38533
8K
16K
24K
32K
40K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: No - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 1.00, N = 3
301
70
140
210
280
350
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 152.75, N = 3
38400
8K
16K
24K
32K
40K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 1.53, N = 3
300
70
140
210
280
350
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread


Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 43.41, N = 3
4429
900
1800
2700
3600
4500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 21.70, N = 3
2215
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 120.19, N = 3
17967
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 7.13, N = 3
1124
200
400
600
800
1000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

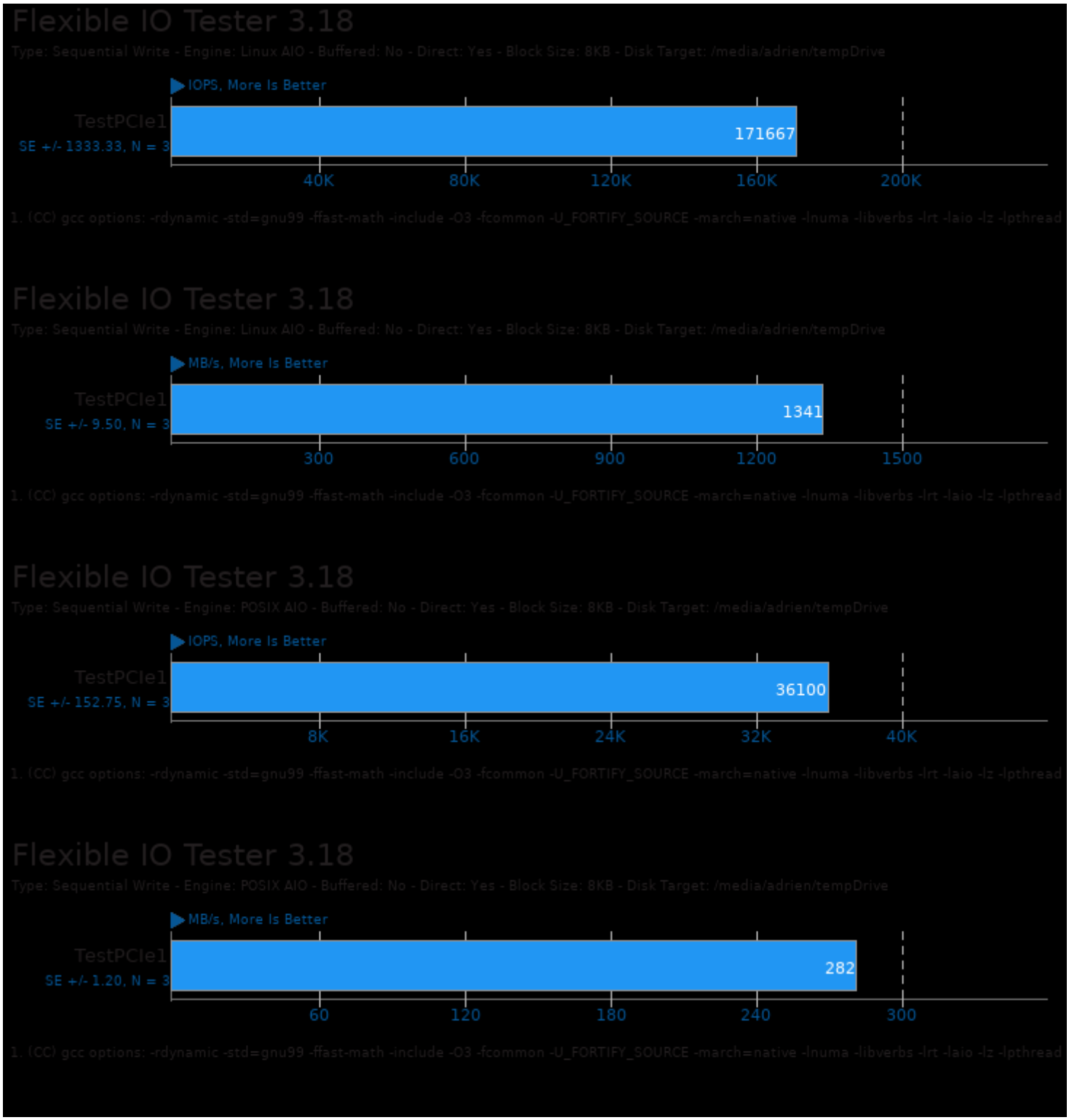
TestPCIe


Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 251.66, N = 3
19100
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: Yes - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 14.86, N = 3
1194
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 31.48, N = 3
4781
1000
2000
3000
4000
5000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 15.62, N = 3
2391
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

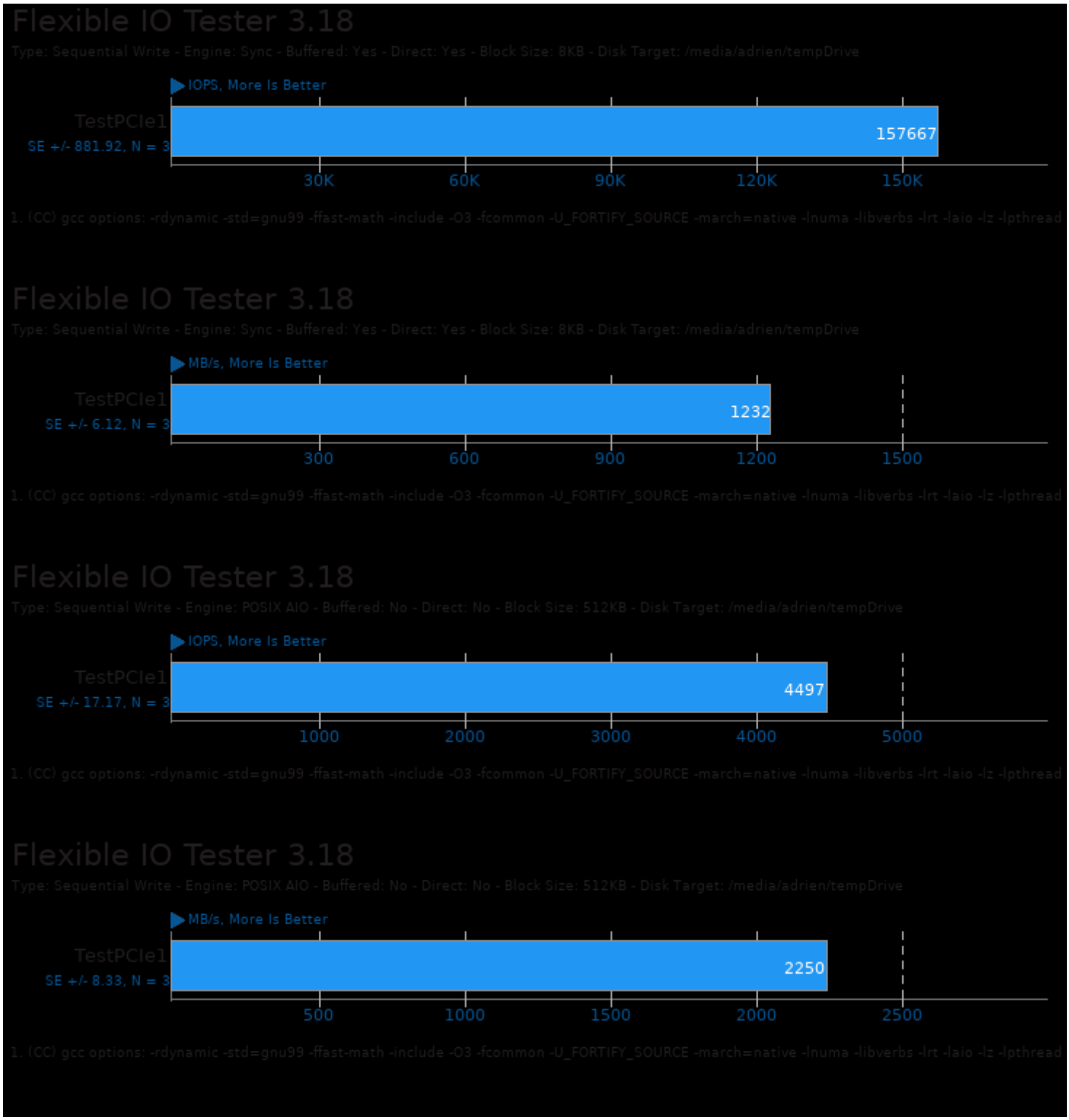
TestPCIe

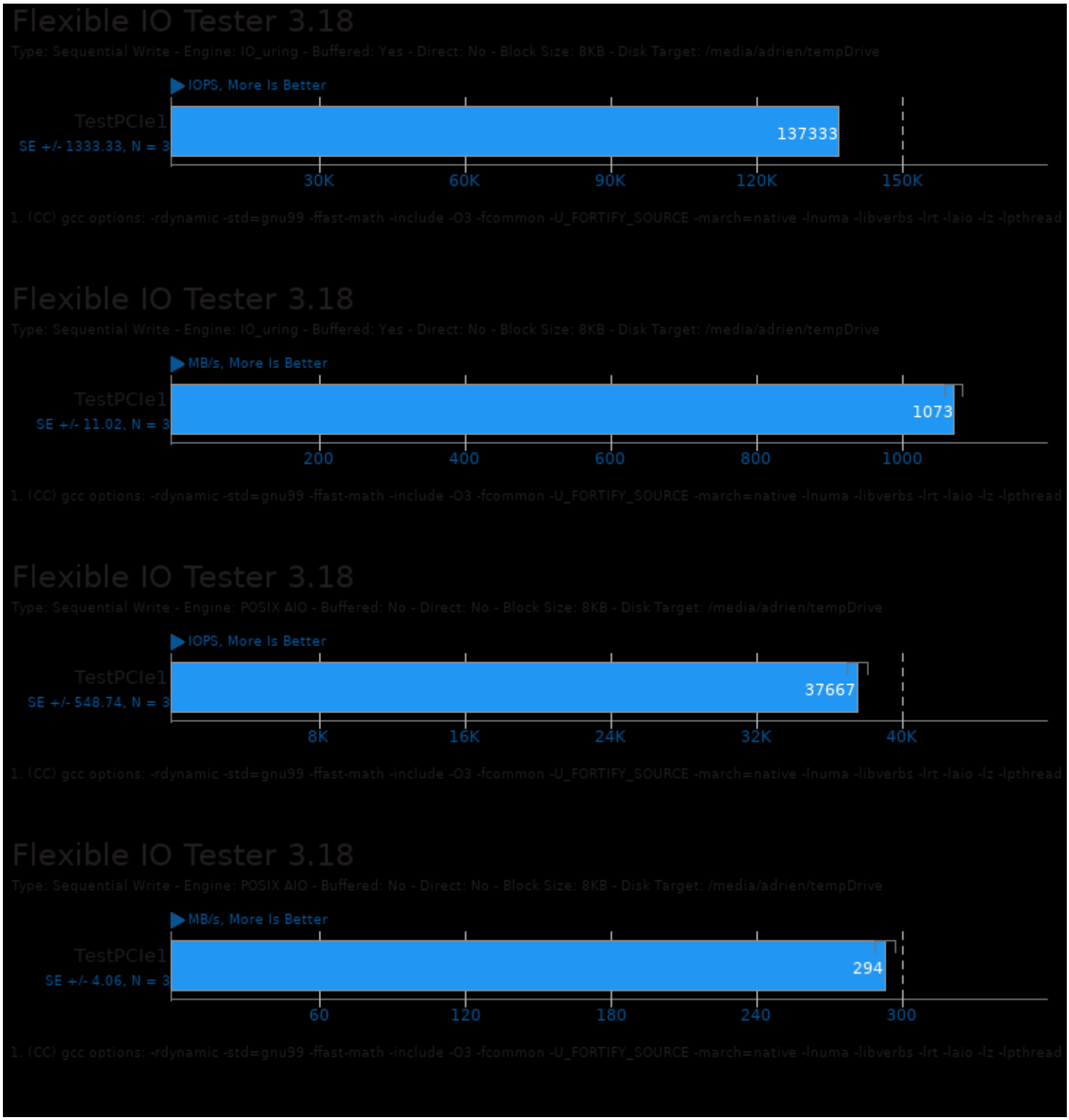

Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 240.37, N = 3
19467
4K
8K
12K
16K
20K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: No - Direct: No - Block Size: 64KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 6.64, N = 3
1239
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 22.34, N = 3
4548
1000
2000
3000
4000
5000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 11.29, N = 3
2276
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

TestPCIe


Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 1333.33, N = 3
171667
40K
80K
120K
160K
200K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Linux AIO - Buffered: No - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 9.50, N = 3
1341
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 152.75, N = 3
36100
8K
16K
24K
32K
40K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 1.20, N = 3
282
60
120
180
240
300
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread

TestPCIe


Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 881.92, N = 3
157667
30K
60K
90K
120K
150K
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: Sync - Buffered: Yes - Direct: Yes - Block Size: 8KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 6.12, N = 3
1232
300
600
900
1200
1500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
IOPS, More Is Better
TestPCIe1
SE +/- 17.17, N = 3
4497
1000
2000
3000
4000
5000
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread
Flexible IO Tester 3.18
Type: Sequential Write - Engine: POSIX AIO - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: /media/adrien/tempDrive
MB/s, More Is Better
TestPCIe1
SE +/- 8.33, N = 3
2250
500
1000
1500
2000
2500
1. (CC) gcc options: -rdynamic -std=gnu99 -ffast-math -include -O3 -fcommon -U_FORTIFY_SOURCE -march=native -lnuma -libverbs -lrt -laio -lz -lpthread



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 07:59.