



## DragonFlyBSD 3.2 vs. Linux Intel Multi-Core Scaling

Intel Core i7-3960X testing on DragonFlyBSD 3.2.1 and Ubuntu 12.10 via the Phoronix Test Suite. lookign at the multi-threaded OS performance for a future article on Phoronix.com.

### Automated Executive Summary

*Ubuntu 12.10: 12 Threads had the most wins, coming in first place for 75% of the tests.*

*Based on the geometric mean of all complete results, the fastest (CentOS 6.3: 12 Threads) was 4.169x the speed of the slowest (DragonFlyBSD 3.0.3: 1 Thread).*

## Test Systems:

### DragonFlyBSD 3.0.3: 1 Thread

Processor: Intel Core i7-3960X @ 3.30GHz (1 Core), Memory: 8192MB, Disk: SATA OCZ VERTEX 1.30

OS: DragonFly, Kernel: 3.0-RELEASE (x86\_64), Compiler: GCC 4.4.7, File-System: hammer

### DragonFlyBSD 3.0.3: 2 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (2 Cores), Memory: 8192MB, Disk: SATA OCZ VERTEX 1.30

OS: DragonFly, Kernel: 3.0-RELEASE (x86\_64), Compiler: GCC 4.4.7, File-System: hammer

### DragonFlyBSD 3.0.3: 3 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (3 Cores), Memory: 8192MB, Disk: SATA OCZ VERTEX 1.30

OS: DragonFly, Kernel: 3.0-RELEASE (x86\_64), Compiler: GCC 4.4.7, File-System: hammer

### DragonFlyBSD 3.0.3: 4 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (4 Cores), Memory: 8192MB, Disk: SATA OCZ VERTEX 1.30

OS: DragonFly, Kernel: 3.0-RELEASE (x86\_64), Compiler: GCC 4.4.7, File-System: hammer

### DragonFlyBSD 3.0.3: 6 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (6 Cores), Memory: 8192MB, Disk: SATA OCZ VERTEX 1.30

OS: DragonFly, Kernel: 3.0-RELEASE (x86\_64), Compiler: GCC 4.4.7, File-System: hammer

### DragonFlyBSD 3.0.3: 12 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (12 Cores), Memory: 8192MB, Disk: SATA OCZ VERTEX 1.30

OS: DragonFly, Kernel: 3.0-RELEASE (x86\_64), Compiler: GCC 4.4.7, File-System: hammer

### DragonFlyBSD 3.2.1: 1 Thread

Processor: Intel Core i7-3960X @ 3.30GHz (1 Core), Memory: 8192MB, Disk: SATA OCZ VERTEX 1.30

OS: DragonFly, Kernel: 3.2-RELEASE (x86\_64), Compiler: GCC 4.4.7, File-System: Unknown

### DragonFlyBSD 3.2.1: 2 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (2 Cores), Memory: 8192MB, Disk: SATA OCZ VERTEX 1.30

OS: DragonFly, Kernel: 3.2-RELEASE (x86\_64), Compiler: GCC 4.4.7, File-System: Unknown

### DragonFlyBSD 3.2.1: 3 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (3 Cores), Memory: 8192MB, Disk: SATA OCZ VERTEX 1.30

OS: DragonFly, Kernel: 3.2-RELEASE (x86\_64), Compiler: GCC 4.4.7, File-System: Unknown

### DragonFlyBSD 3.2.1: 4 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (4 Cores), Memory: 8192MB, Disk: SATA OCZ VERTEX 1.30

OS: DragonFly, Kernel: 3.2-RELEASE (x86\_64), Compiler: GCC 4.4.7, File-System: Unknown

### DragonFlyBSD 3.2.1: 6 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (6 Cores), Memory: 8192MB, Disk: SATA OCZ VERTEX 1.30

OS: DragonFly, Kernel: 3.2-RELEASE (x86\_64), Compiler: GCC 4.4.7, File-System: Unknown

### DragonFlyBSD 3.2.1: 12 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (12 Cores), Memory: 8192MB, Disk: SATA OCZ VERTEX 1.30

OS: DragonFly, Kernel: 3.2-RELEASE (x86\_64), Compiler: GCC 4.4.7, File-System: Unknown

### Ubuntu 12.10: 1 Thread

Processor: Intel Core i7-3960X @ 3.30GHz (1 Core), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 8192MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4650 512MB, Audio: Realtek ALC892, Monitor: DELL S2409W, Network: Intel 82579LM Gigabit Connection

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86\_64), Desktop: Unity 6.8.0, Display Server: X Server 1.13.0, Display Driver: radeon 6.99.99, OpenGL: 2.1 Mesa 9.0 Gallium 0.4, Compiler: GCC 4.4.7, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86\_64-linux-gnu --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-languages=c,c++,go,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86\_64-linux-gnu --target=x86\_64-linux-gnu --with-arch-32=i686 --with-tune=generic -v  
Processor Notes: Scaling Governor: ondemand  
System Notes: Compiz was running on this system.

### Ubuntu 12.10: 2 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (2 Cores), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 8192MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4650 512MB, Audio: Realtek ALC892, Monitor: DELL S2409W, Network: Intel 82579LM Gigabit Connection

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86\_64), Desktop: Unity 6.8.0, Display Server: X Server 1.13.0, Display Driver: radeon 6.99.99, OpenGL: 2.1 Mesa 9.0 Gallium 0.4, Compiler: GCC 4.4.7, File-System: ext4, Screen Resolution:

1920x1080

Compiler Notes: --build=x86\_64-linux-gnu --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-languages=c,c++,go,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86\_64-linux-gnu --target=x86\_64-linux-gnu --with-arch-32=i686 --with-tune=generic -v  
Processor Notes: Scaling Governor: ondemand  
System Notes: Compiz was running on this system.

### Ubuntu 12.10: 3 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (3 Cores), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 8192MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4650 512MB, Audio: Realtek ALC892, Monitor: DELL S2409W, Network: Intel 82579LM Gigabit Connection

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86\_64), Desktop: Unity 6.8.0, Display Server: X Server 1.13.0, Display Driver: radeon 6.99.99, OpenGL: 2.1 Mesa 9.0 Gallium 0.4, Compiler: GCC 4.4.7, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86\_64-linux-gnu --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-languages=c,c++,go,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86\_64-linux-gnu --target=x86\_64-linux-gnu --with-arch-32=i686 --with-tune=generic -v  
Processor Notes: Scaling Governor: ondemand  
System Notes: Compiz was running on this system.

### Ubuntu 12.10: 4 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (4 Cores), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 8192MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4650 512MB, Audio: Realtek ALC892, Monitor: DELL S2409W, Network: Intel 82579LM Gigabit Connection

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86\_64), Desktop: Unity 6.8.0, Display Server: X Server 1.13.0, Display Driver: radeon 6.99.99, OpenGL: 2.1 Mesa 9.0 Gallium 0.4, Compiler: GCC 4.4.7, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86\_64-linux-gnu --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-languages=c,c++,go,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86\_64-linux-gnu --target=x86\_64-linux-gnu --with-arch-32=i686 --with-tune=generic -v  
Processor Notes: Scaling Governor: ondemand  
System Notes: Compiz was running on this system.

### Ubuntu 12.10: 6 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (6 Cores), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 8192MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4650 512MB, Audio: Realtek ALC892, Monitor: DELL S2409W, Network: Intel 82579LM Gigabit Connection

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86\_64), Desktop: Unity 6.8.0, Display Server: X Server 1.13.0, Display Driver: radeon 6.99.99, OpenGL: 2.1 Mesa 9.0 Gallium 0.4, Compiler: GCC 4.4.7, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86\_64-linux-gnu --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-languages=c,c++,go,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86\_64-linux-gnu --target=x86\_64-linux-gnu --with-arch-32=i686 --with-tune=generic -v  
Processor Notes: Scaling Governor: ondemand  
System Notes: Compiz was running on this system.

### Ubuntu 12.10: 12 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (12 Cores), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 8192MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4650 512MB, Audio: Realtek ALC892, Monitor: DELL S2409W, Network: Intel 82579LM Gigabit Connection

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86\_64), Desktop: Unity 6.8.0, Display Server: X Server 1.13.0, Display Driver: radeon 6.99.99, OpenGL: 2.1 Mesa 9.0 Gallium 0.4, Compiler: GCC 4.4.7, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86\_64-linux-gnu --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-languages=c,c++,go,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86\_64-linux-gnu --target=x86\_64-linux-gnu --with-arch-32=i686 --with-tune=generic -v  
Processor Notes: Scaling Governor: ondemand  
System Notes: Compiz was running on this system.

### CentOS 6.3: 1 Thread

Processor: Intel Core i7-3960X @ 3.30GHz (1 Core), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 8192MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4650 512MB, Audio: Intel C600/X79, Monitor: DELL S2409W, Network: Intel 82579LM Gigabit Connection

OS: CentOS 6.3, Kernel: 2.6.32-279.el6.x86\_64 (x86\_64), Desktop: GNOME 2.28.2, Display Server: X Server 1.10.6, Display Driver: radeon 6.14.2, OpenGL: 2.1 Mesa 7.11 Gallium 0.4, Compiler: GCC 4.4.6 20120305, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86\_64-redhat-linux --disable-dssi --disable-libjava-multilib --disable-libunwind-exceptions --enable-\_\_cxa\_atexit --enable-bootstrap --enable-checking=release --enable-gnu-unique-object --enable-java-awt=gtk --enable-java-maintainer-mode --enable-languages=c,c++,objc,obj-c++,java,fortran,ada --enable-libgcj-multifile --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch\_32=i686 --with-cloog --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-1.5.0.0/jre --with-ppl --with-tune=generic  
Processor Notes: Scaling Governor: ondemand  
System Notes: SELinux: Enabled.

### CentOS 6.3: 2 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (2 Cores), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 8192MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4650 512MB, Audio: Intel C600/X79, Monitor: DELL S2409W, Network: Intel 82579LM Gigabit Connection

OS: CentOS 6.3, Kernel: 2.6.32-279.el6.x86\_64 (x86\_64), Desktop: GNOME 2.28.2, Display Server: X Server 1.10.6, Display Driver: radeon 6.14.2, OpenGL: 2.1 Mesa 7.11 Gallium 0.4, Compiler: GCC 4.4.6 20120305, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86\_64-redhat-linux --disable-dssi --disable-libjava-multilib --disable-libunwind-exceptions --enable-\_\_cxa\_atexit --enable-bootstrap --enable-checking=release --enable-gnu-unique-object --enable-java-awt=gtk --enable-java-maintainer-mode --enable-languages=c,c++,objc,obj-c++,java,fortran,ada --enable-libgcj-multifile --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch\_32=i686 --with-cloog --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-1.5.0.0/jre --with-ppl --with-tune=generic  
Processor Notes: Scaling Governor: ondemand  
System Notes: SELinux: Enabled.

### CentOS 6.3: 3 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (3 Cores), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 8192MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4650 512MB, Audio: Intel C600/X79, Monitor: DELL S2409W, Network: Intel 82579LM Gigabit Connection

OS: CentOS 6.3, Kernel: 2.6.32-279.el6.x86\_64 (x86\_64), Desktop: GNOME 2.28.2, Display Server: X Server 1.10.6, Display Driver: radeon 6.14.2, OpenGL: 2.1 Mesa 7.11 Gallium 0.4, Compiler: GCC 4.4.6 20120305, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86\_64-redhat-linux --disable-dssi --disable-libjava-multilib --disable-libunwind-exceptions --enable-\_\_cxa\_atexit --enable-bootstrap --enable-checking=release --enable-gnu-unique-object --enable-java-awt=gtk --enable-java-maintainer-mode --enable-languages=c,c++,objc,obj-c++,java,fortran,ada --enable-libgck-multifile --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch\_32=i686 --with-cloog --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-1.5.0.0/jre --with-ppl --with-tune=generic

Processor Notes: Scaling Governor: ondemand

System Notes: SELinux: Enabled.

### CentOS 6.3: 4 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (4 Cores), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 8192MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4650 512MB, Audio: Intel C600/X79, Monitor: DELL S2409W, Network: Intel 82579LM Gigabit Connection

OS: CentOS 6.3, Kernel: 2.6.32-279.el6.x86\_64 (x86\_64), Desktop: GNOME 2.28.2, Display Server: X Server 1.10.6, Display Driver: radeon 6.14.2, OpenGL: 2.1 Mesa 7.11 Gallium 0.4, Compiler: GCC 4.4.6 20120305, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86\_64-redhat-linux --disable-dssi --disable-libjava-multilib --disable-libunwind-exceptions --enable-\_\_cxa\_atexit --enable-bootstrap --enable-checking=release --enable-gnu-unique-object --enable-java-awt=gtk --enable-java-maintainer-mode --enable-languages=c,c++,objc,obj-c++,java,fortran,ada --enable-libgck-multifile --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch\_32=i686 --with-cloog --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-1.5.0.0/jre --with-ppl --with-tune=generic

Processor Notes: Scaling Governor: ondemand

System Notes: SELinux: Enabled.

### CentOS 6.3: 6 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (6 Cores), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 8192MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4650 512MB, Audio: Intel C600/X79, Monitor: DELL S2409W, Network: Intel 82579LM Gigabit Connection

OS: CentOS 6.3, Kernel: 2.6.32-279.el6.x86\_64 (x86\_64), Desktop: GNOME 2.28.2, Display Server: X Server 1.10.6, Display Driver: radeon 6.14.2, OpenGL: 2.1 Mesa 7.11 Gallium 0.4, Compiler: GCC 4.4.6 20120305, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86\_64-redhat-linux --disable-dssi --disable-libjava-multilib --disable-libunwind-exceptions --enable-\_\_cxa\_atexit --enable-bootstrap --enable-checking=release --enable-gnu-unique-object --enable-java-awt=gtk --enable-java-maintainer-mode --enable-languages=c,c++,objc,obj-c++,java,fortran,ada --enable-libgck-multifile --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch\_32=i686 --with-cloog --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-1.5.0.0/jre --with-ppl --with-tune=generic

Processor Notes: Scaling Governor: ondemand

System Notes: SELinux: Enabled.

### CentOS 6.3: 12 Threads

Processor: Intel Core i7-3960X @ 3.30GHz (12 Cores), Motherboard: Intel DX79SI, Chipset: Intel Xeon E5/Core, Memory: 8192MB, Disk: 64GB OCZ VERTEX, Graphics: AMD Radeon HD 4650 512MB, Audio: Intel C600/X79, Monitor: DELL S2409W, Network: Intel 82579LM Gigabit Connection

OS: CentOS 6.3, Kernel: 2.6.32-279.el6.x86\_64 (x86\_64), Desktop: GNOME 2.28.2, Display Server: X Server 1.10.6, Display Driver: radeon 6.14.2, OpenGL: 2.1 Mesa 7.11 Gallium 0.4, Compiler: GCC 4.4.6 20120305, File-System: ext4, Screen Resolution: 1920x1080

Compiler Notes: --build=x86\_64-redhat-linux --disable-dssi --disable-libjava-multilib --disable-libunwind-exceptions --enable-\_\_cxa\_atexit --enable-bootstrap --enable-checking=release --enable-gnu-unique-object --enable-java-awt=gtk --enable-java-maintainer-mode --enable-languages=c,c++,objc,obj-c++,java,fortran,ada --enable-libgck-multifile --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch\_32=i686 --with-cloog --with-ecj-jar=/usr/share/java/eclipse-ecj.jar --with-java-home=/usr/lib/jvm/java-1.5.0-gcj-1.5.0.0/jre --with-ppl --with-tune=generic

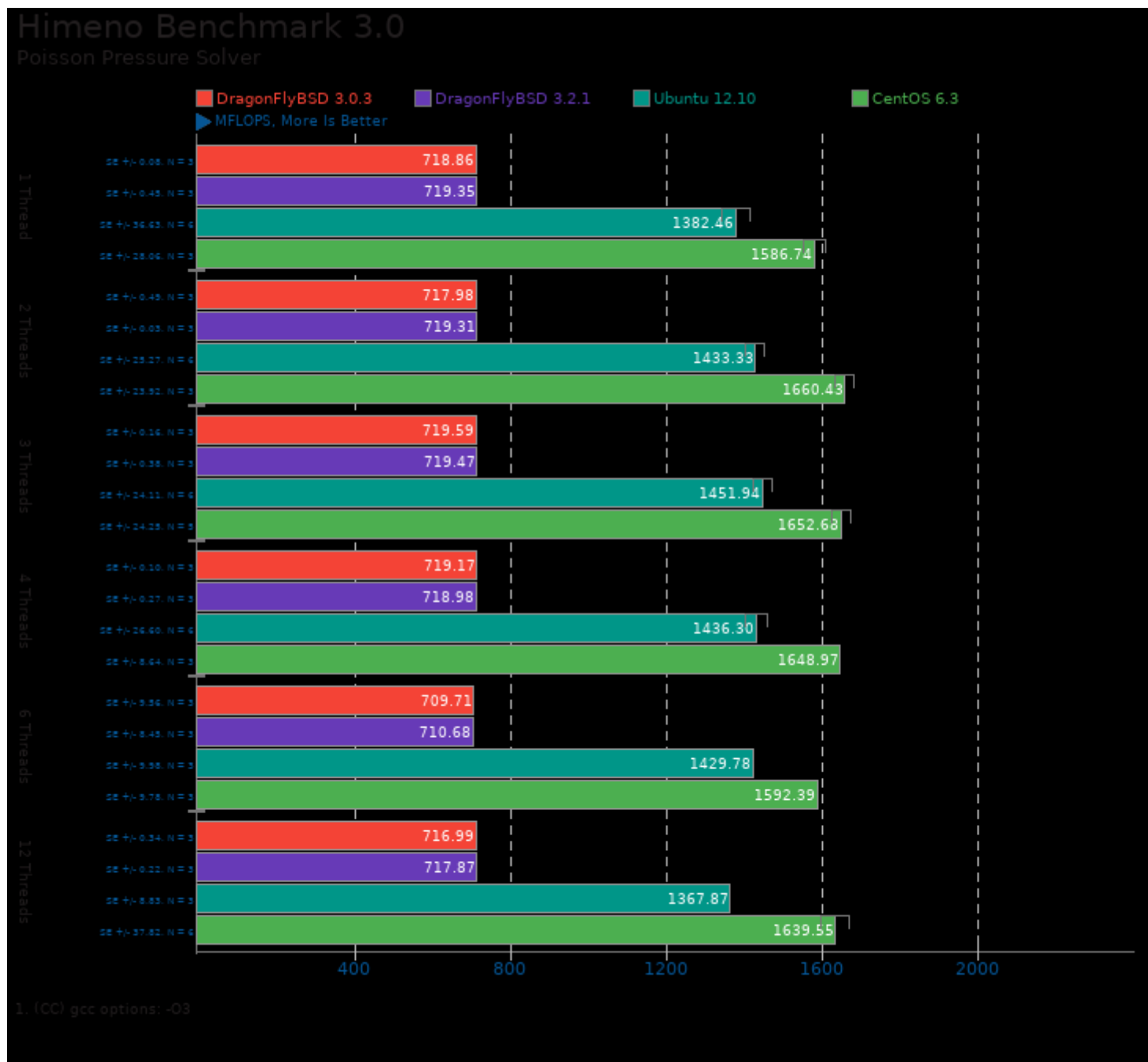
Processor Notes: Scaling Governor: ondemand

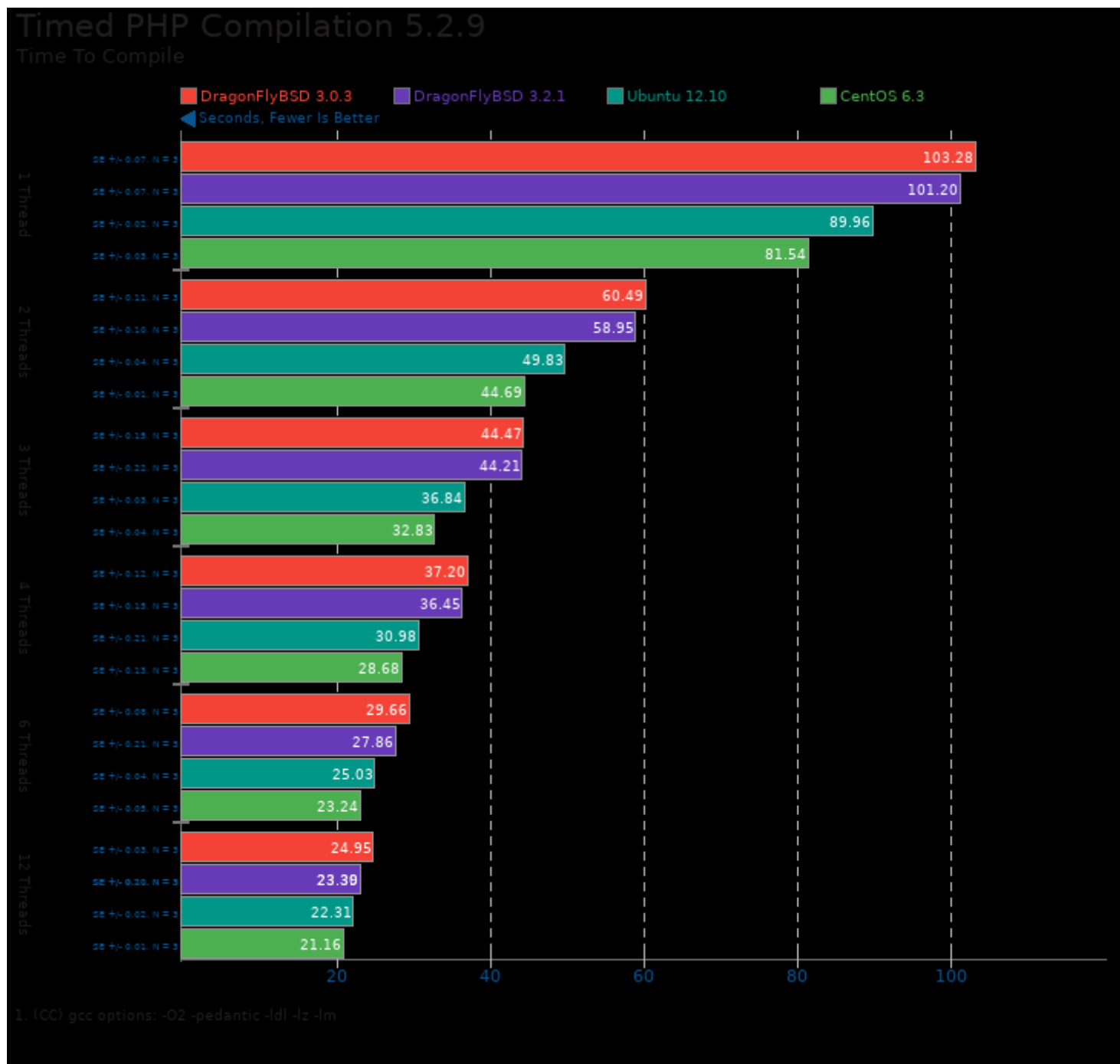
System Notes: SELinux: Enabled.

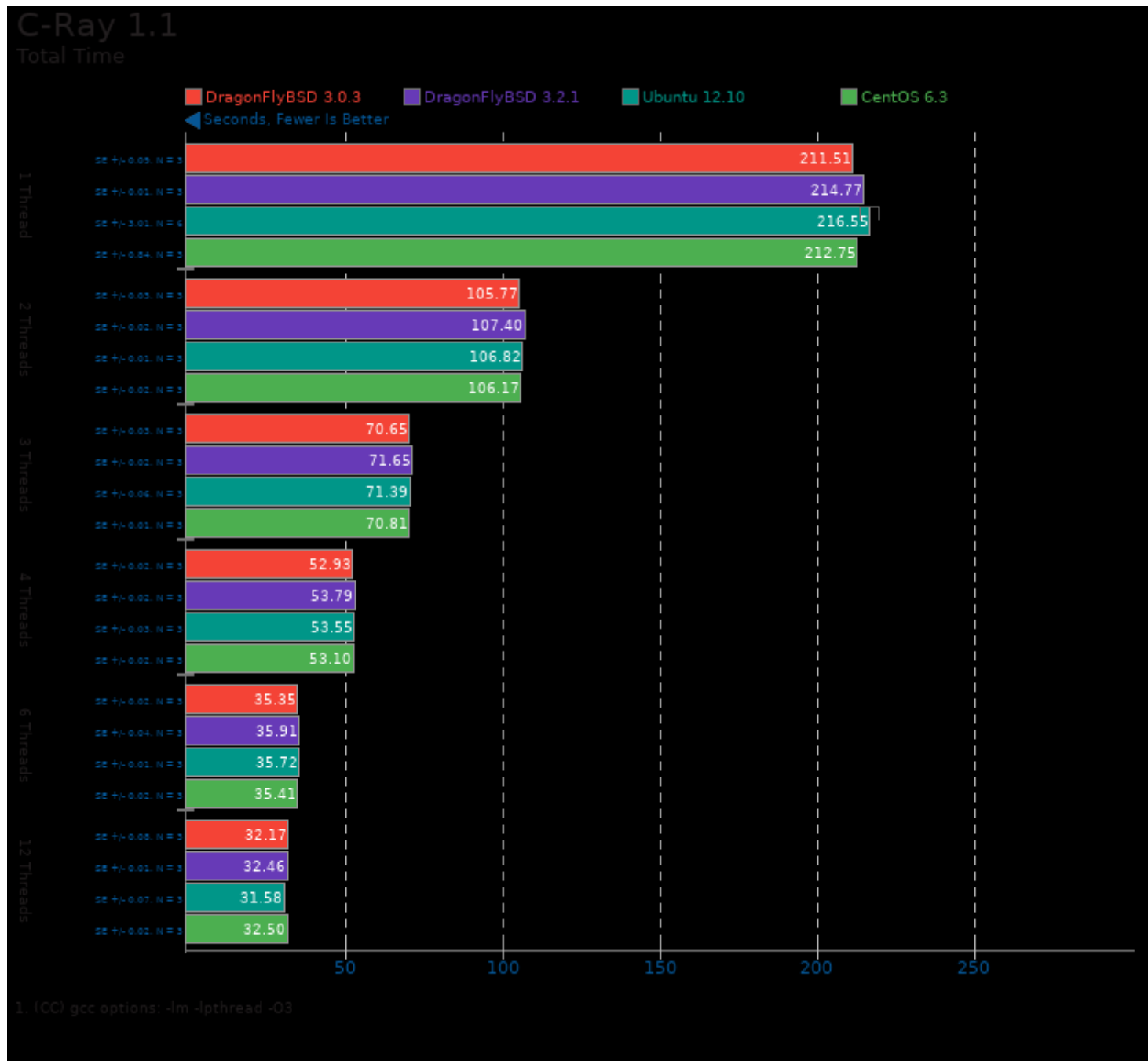
	Dr ag on Fly BS D .3: 1 Th rea d	Dr ag on Fly BS D .3: 2 Th rea d	Dr ag on Fly BS D .3: 3 Th rea d	Dr ag on Fly BS D .3: 4 Th rea d	Dr ag on Fly BS D .3: 6 Th rea d	Dr ag on Fly BS D .1: 1 Th rea d	Dr ag on Fly BS D .1: 2 Th rea d	Dr ag on Fly BS D .1: 3 Th rea d	Dr ag on Fly BS D .1: 4 Th rea d	Dr ag on Fly BS D .1: 6 Th rea d	Dr ag on Fly BS D .1: 12 Th rea d	Ub unt u 12. 10: 1 Th rea d	Ub unt u 12. 10: 2 Th rea d	Ub unt u 12. 10: 3 Th rea d	Ub unt u 12. 10: 4 Th rea d	Ub unt u 12. 10: 6 Th rea d	Ce nt OS : 1 Th rea d	Ce nt OS : 2 Th rea d	Ce nt OS : 3 Th rea d	Ce nt OS : 4 Th rea d	Ce nt OS : 6 Th rea d	Ce nt OS : 12 Th rea d		
Himeno	71	71	71	71	70	71	71	71	71	71	71	13	14	14	14	14	13	15	16	16	15	16		
Bench mark - P.P.S (MFLO PS)	8.8	7.9	9.5	9.1	9.7	6.9	9.3	9.3	9.4	8.9	0.6	7.8	82	33	52	36	30	68	87	60	53	49	92	40
Standard	6	8	9	7	1	9	5	1	7	8	8	7												
Deviation	9%	4%	4%	1%	4%	8%	2%	2%	3%	0%	3%	6%	2%	4%	0%	1%	8%	6%	0%	3%	1%	0%	4%	
Timed	10	60.	44.	37.	29.	24.	10	58.	44.	36.	27.	23.	89.	49.	36.	30.	25.	22.	81.	44.	32.	28.	23.	21.
PHP	3.2	49	47	20	66	95	1.2	95	21	45	86	30	96	83	84	98	03	31	54	69	83	68	24	16
Compilation - Time To Compil	8							0																
Standard	0.1	0.3	0.6	0.5	0.5	0.2	0.1	0.3	0.9	0.7	1.3	1.5	0%	0.2	0.1	1.2	0.3	0.1	0.1	0.2	0.8	0.4	0.1	
Deviation	10	60.	44.	37.	29.	24.	10	58.	44.	36.	27.	23.	89.	49.	36.	30.	25.	22.	81.	44.	32.	28.	23.	21.
C-Ray - Total Time (sec)	1.5	5.7	65	93	35	17	4.7	7.4	65	79	91	46	6.5	6.8	39	55	72	58	2.7	6.1	81	10	41	50
Standard	1	7					7	0					5	2				5	7					
Deviation	3%	6%	0%	6%	4%	7%	0%	0%	8%	1%	4%	9%	8%	6%	4%	7%	1%	0%	4%	4%	0%	7%	8%	7%
Graphic sMagic k - Blur (Iterations/min)	40	40	40	40	40	40	40	40	40	40	40	46	72	89	10	11	13	46	74	92	10	12	13	
Standard	0.1	0%	0.1	0.1	0.1	0.4	0%	0%	0%	0.1	0.2	0.1	3.4	0%	0.1	0.1	0.4	0.7	0%	0%	0.1	0.1	0.1	
Deviation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Normaliz	14.9	29.8	44.7	59.6	89.3	98.1	14.7	29.4	44.0	58.7	87.9	97.2	14.5	29.5	44.2	58.9	88.4	100	14.8	29.7	44.6	59.4	89.1	97.1
Standard	0.1	0%	0.1	0.1	0.1	0.4	0%	0%	0%	0.1	0.2	0.1	3.4	0%	0.1	0.1	0.4	0.7	0%	0%	0.1	0.1	0.1	
Deviation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	
Normaliz	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7	33.0	51.8	64.0	72.6	84.1	100	33.0	53.2	66.1	75.5	87.7	98.5	
Standard	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.8	
Deviation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	

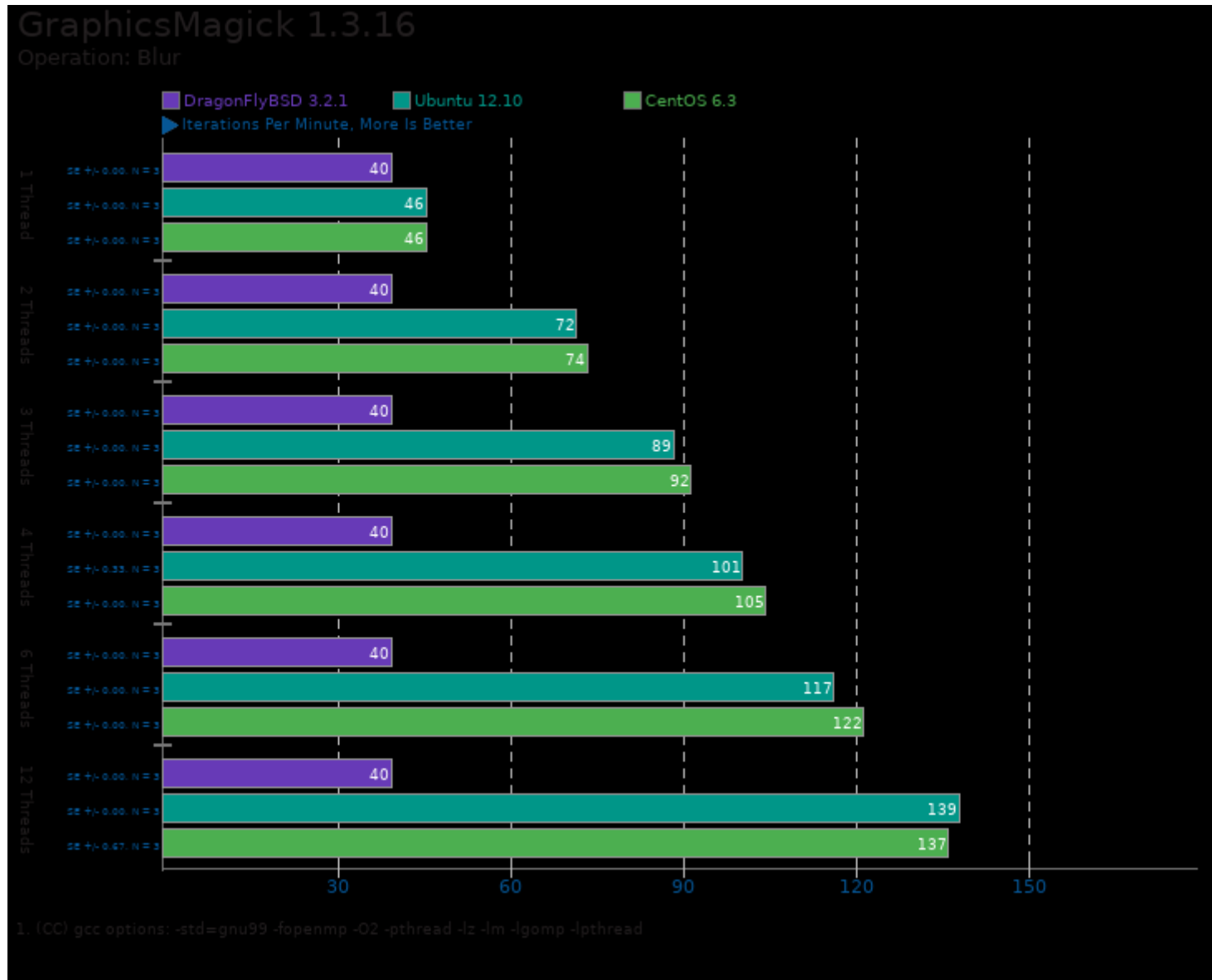
Graphic sMagic k - Sharpe n (Iterations/min)	16	16	16	16	16	16	17	31	43	53	71	10	17	31	43	54	72	10
Normalize	15.2	15.2	15.2	15.2	15.2	15.2	16.1	29.5	40.9	50.4	67.6	100	16.1	29.5	40.9	51.4	68.5	97.1
Standard	4%	4%	4%	4%	4%	4%	9%	2%	5%	8%	2%	%	9%	2%	5%	3%	7%	4%
Deviation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	3.5	0%	0%	0%	0%	0.6
Graphic sMagic k - Resizin g (Iterations/min)	53	53	53	53	53	53	64	99	12	13	15	17	65	10	12	14	16	16
Normalize	30.8	30.8	30.8	30.8	30.8	30.8	37.2	57.5	70.3	79.0	90.1	100	37.7	59.3	72.6	81.4	93.0	94.7
Standard	1%	1%	1%	1%	1%	1%	1%	6%	5%	7%	2%	%	9%	%	7%	%	2%	7%
Deviation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.3	0%	0%	0%	0%	0%	0.4
Graphic sMagic k - HWB Color Space (Iterations/min)	79	79	79	79	79	79	10	14	16	17	18	19	10	14	16	17	19	18
Normalize	41.1	41.1	41.1	41.1	41.1	41.1	55.2	73.9	83.8	89.5	96.3	100	55.2	75.5	85.9	92.1	99.4	95.8
Standard	5%	5%	5%	5%	5%	5%	1%	6%	5%	8%	5%	%	1%	2%	4%	9%	8%	3%
Deviation	0%	0%	0%	0%	0%	0%	0%	0.4	0%	0%	0%	0%	0%	0%	0%	0%	0.3	0%
Graphic sMagic k - L.A.T (Iterations/min)	40	40	39	40	40	39	44	71	90	10	12	13	44	73	93	10	12	13
Normalize	29.4	29.4	28.6	29.4	29.4	28.6	32.3	52.2	66.1	77.2	90.4	100	32.3	53.6	68.3	79.4	94.1	98.5
Standard	1%	1%	8%	1%	1%	8%	5%	1%	8%	1%	4%	%	5%	8%	8%	1%	2%	3%
Deviation	0%	0%	0%	1.5	1.5	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0.4	0%

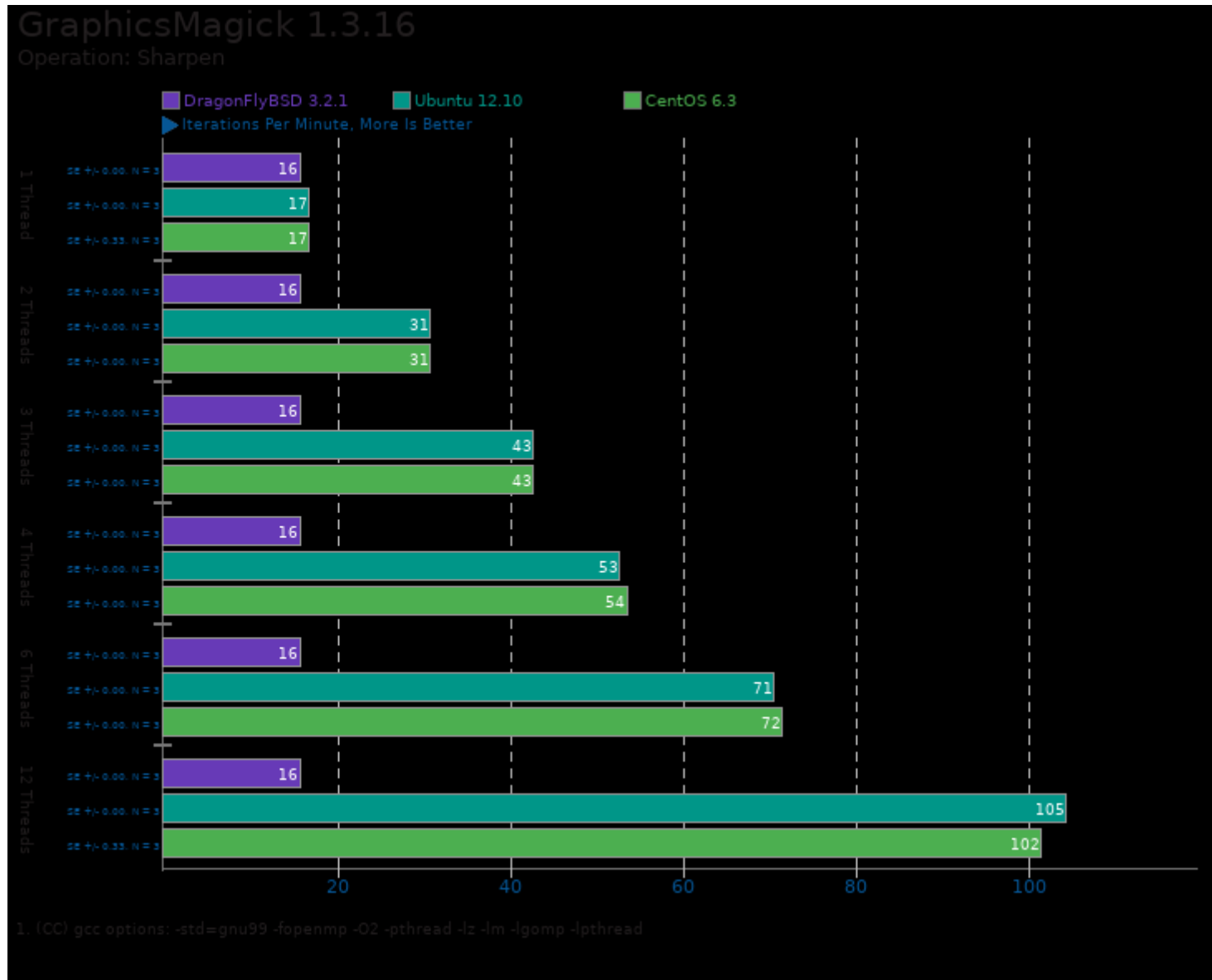


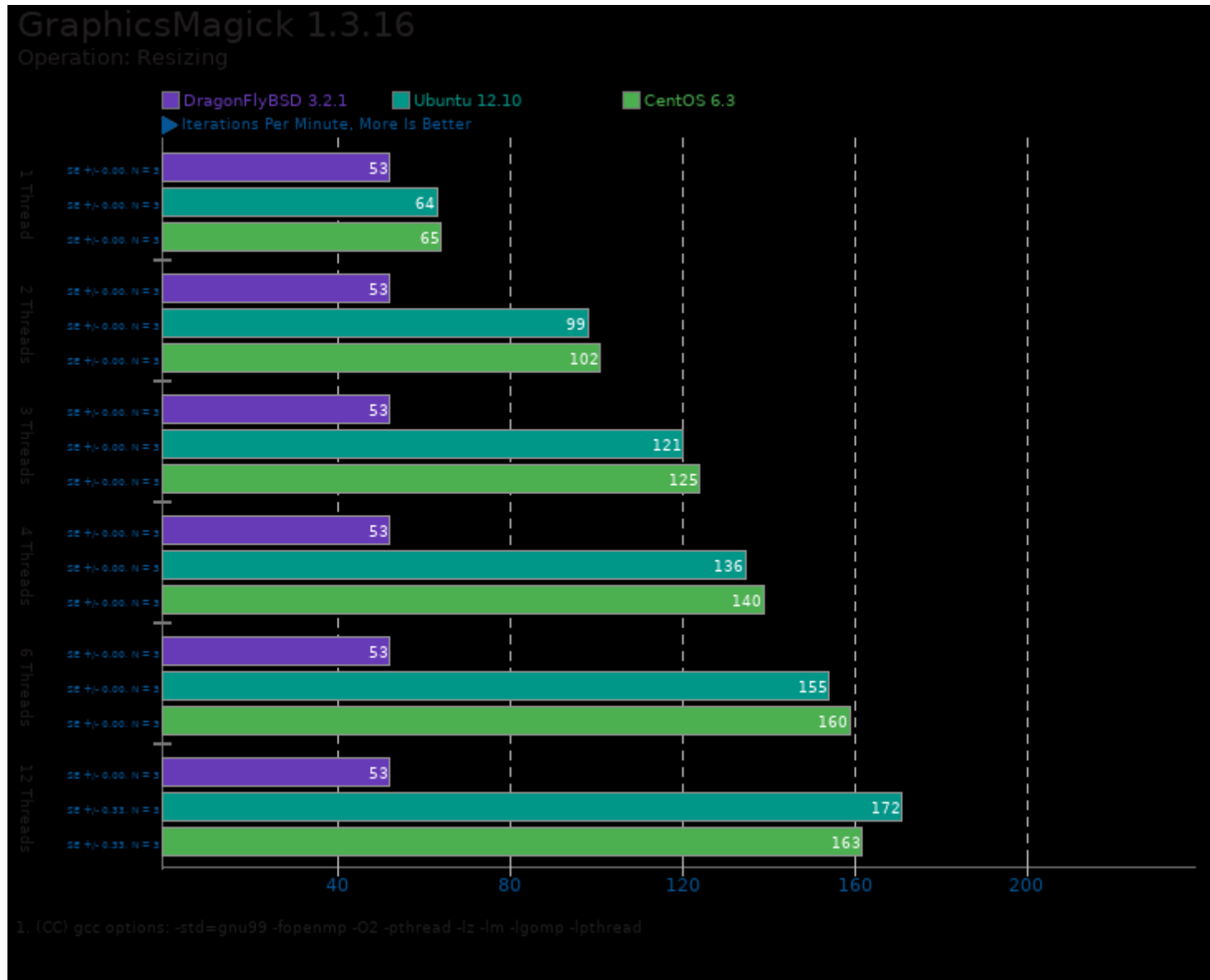


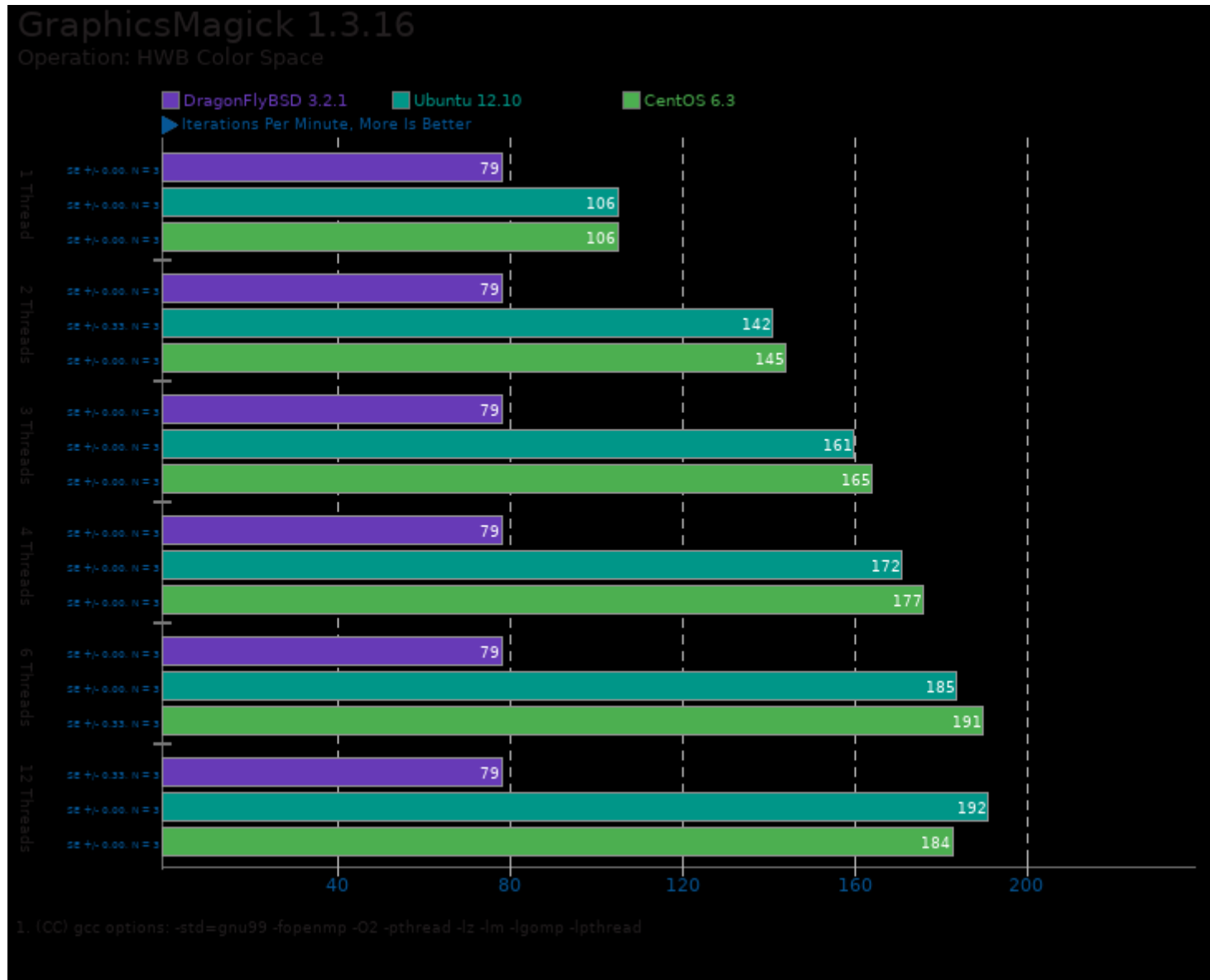


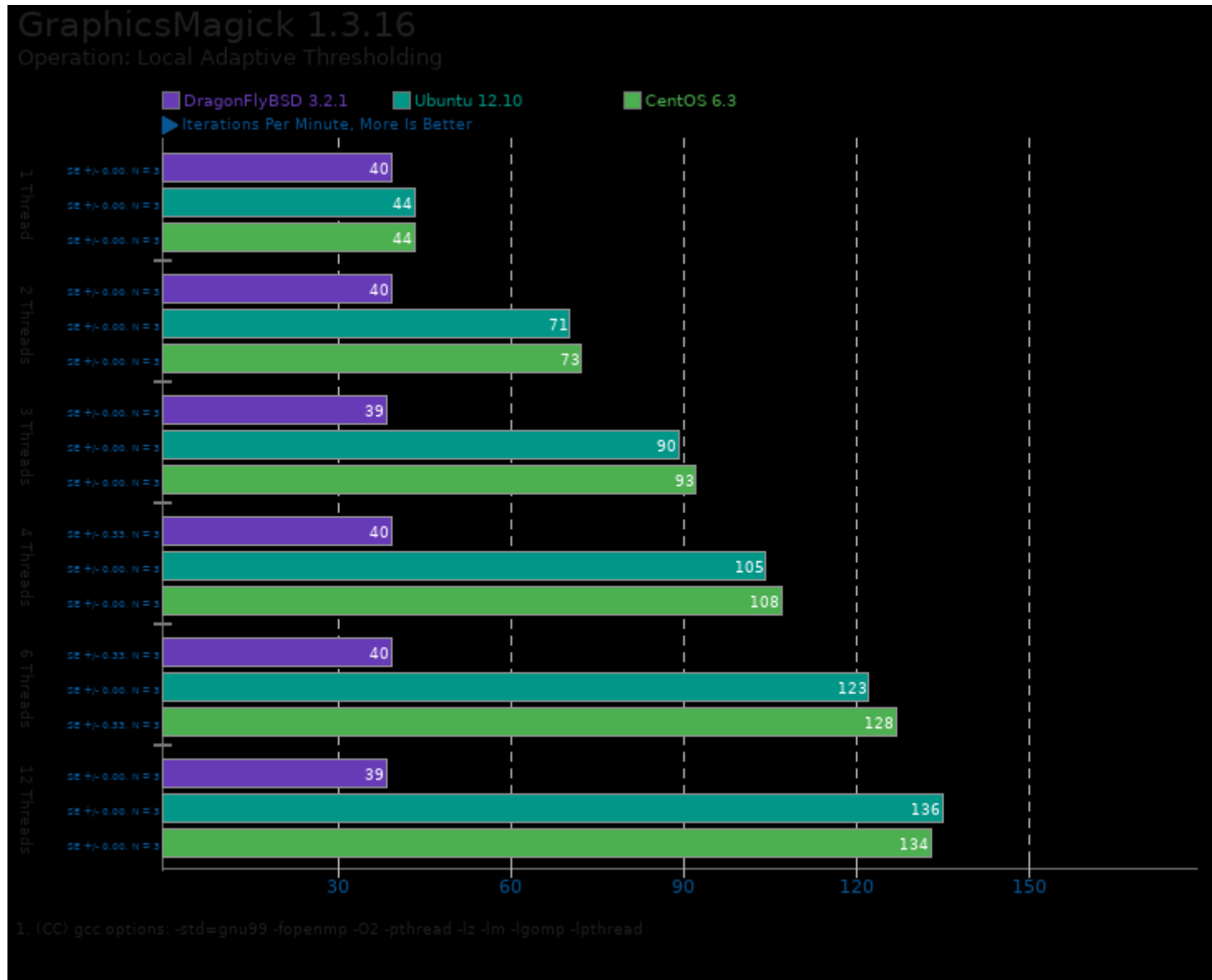






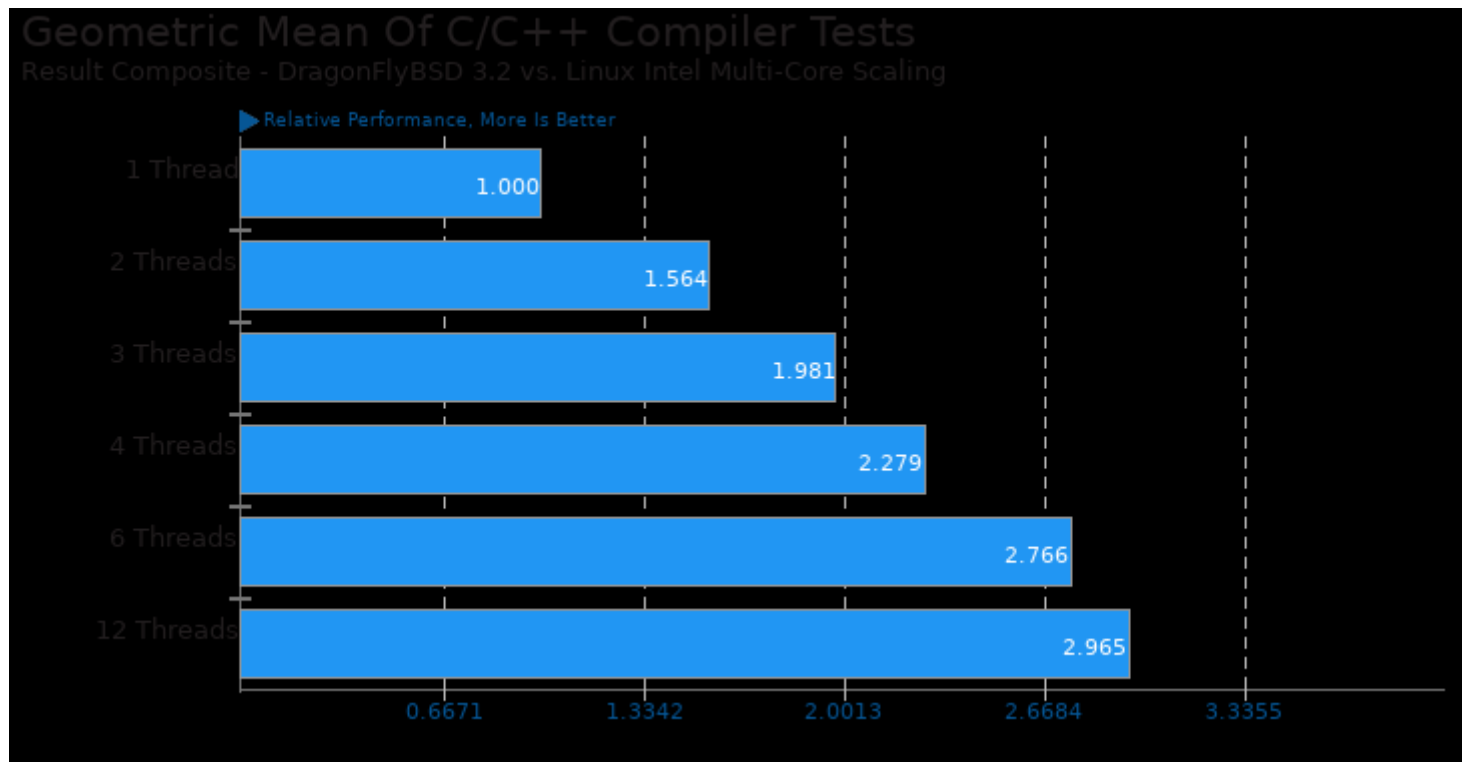




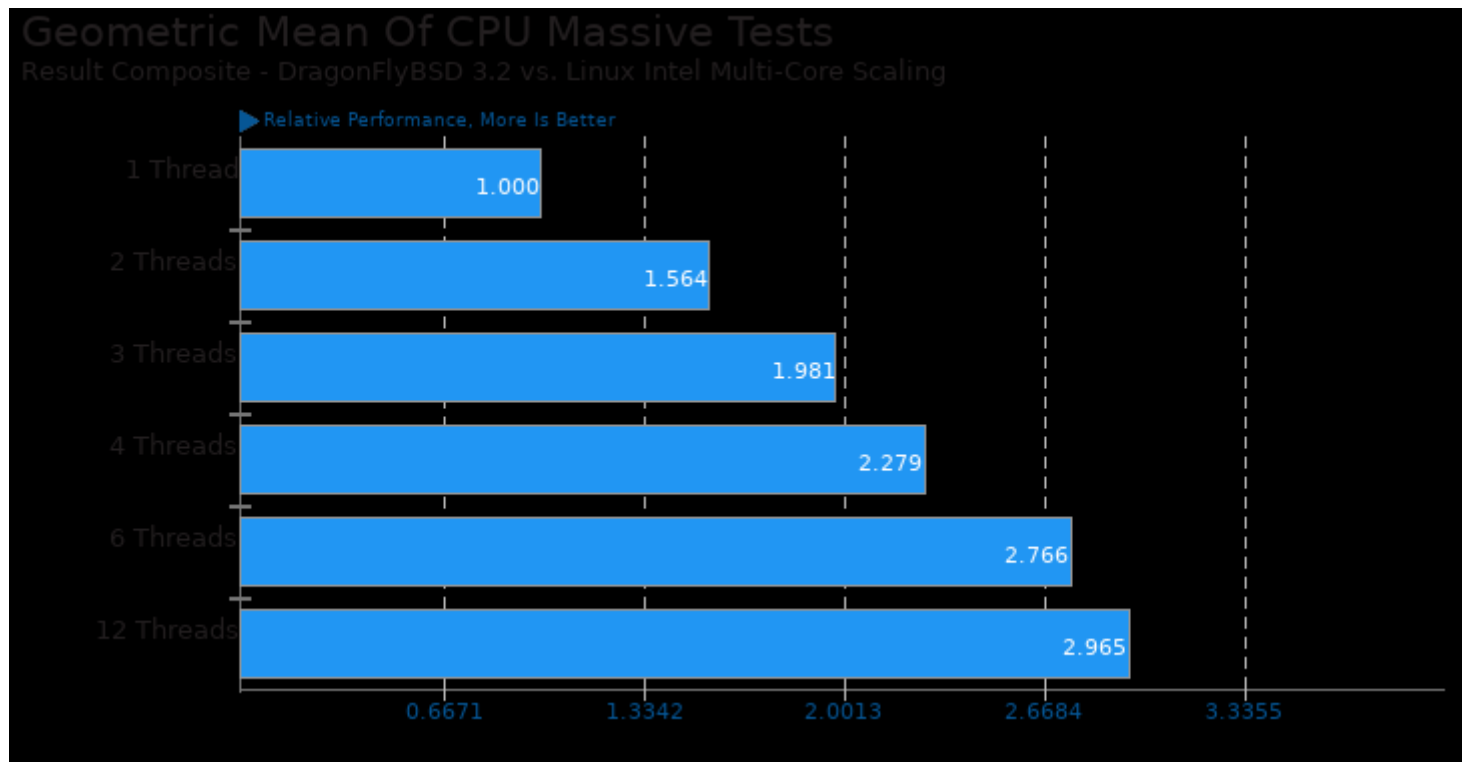




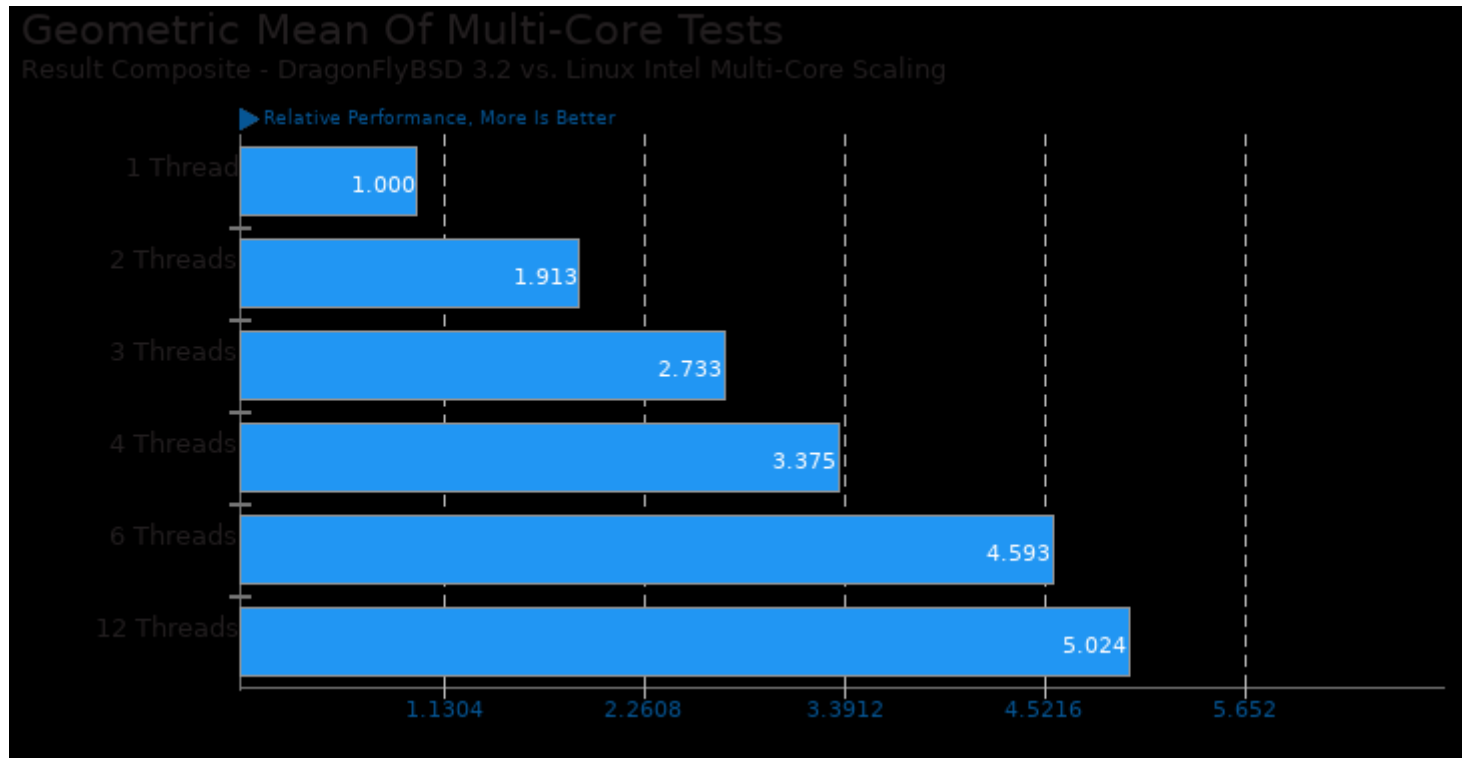
These geometric means are based upon test groupings / test suites for this result file.



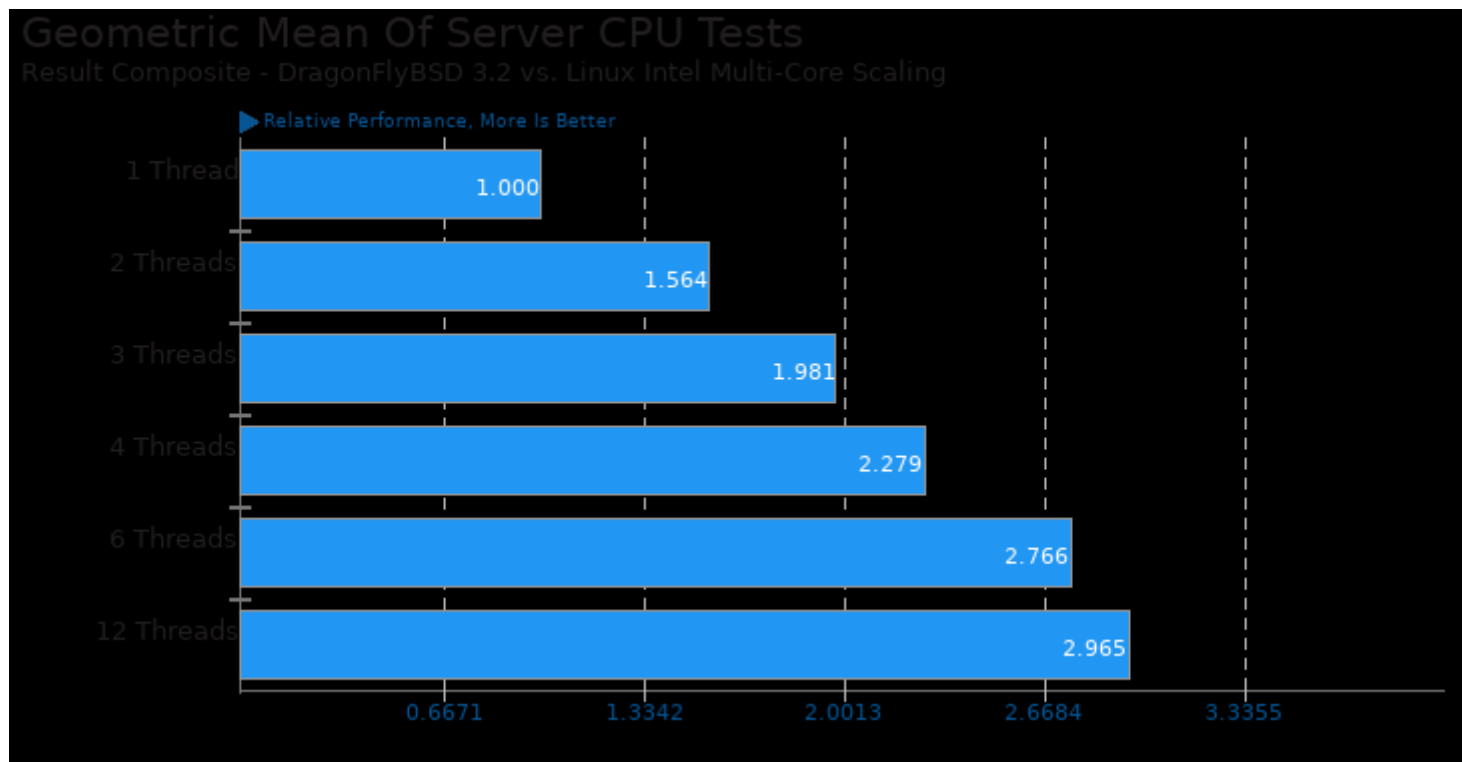
Geometric mean based upon tests: pts/graphics-magick, pts/himeno, pts/build-php and pts/c-ray



Geometric mean based upon tests: pts/build-php, pts/c-ray, pts/graphics-magick and pts/himeno



Geometric mean based upon tests: pts/c-ray, pts/graphics-magick and pts/build-php



Geometric mean based upon tests: pts/himeno, pts/build-php and pts/c-ray

This file was automatically generated via the Phoronix Test Suite benchmarking software on Saturday, 27 July 2024 07:52.