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ESX_Host_Refresh

237test

Automated Executive Summary

DL380pG8_ITENOS_4vCPU_16GB_AMS10K had the most wins, coming in first place for 57% of the tests.

Based on the geometric mean of all complete results, the fastest (237test) was 9.3x the speed of the slowest (DL580G5_ITENOS_1vCPU_2GB_AMS10K). DL380pG8_ITENOS_4vCPU_16GB_AMS10K was 0.744x the speed of 237test, DL380G7_ITENOS_4vCPU_16GB_AMS10K was 0.606x the speed of DL380pG8_ITENOS_4vCPU_16GB_AMS10K, DL380G7_ITENOS_2vCPU_4GB_AMS10K was 0.688x the speed of DL380G7_ITENOS_4vCPU_16GB_AMS10K, DL380G7_ITENOS_1vCPU_2GB_AMS10K was 0.759x the speed of DL380G7_ITENOS_2vCPU_4GB_AMS10K, DL580G5_ITENOS_4vCPU_16GB_AMS10K was 0.917x the speed of DL380G7_ITENOS_1vCPU_2GB_AMS10K, DL580G5_ITENOS_2vCPU_4GB_AMS10K was 0.72x the speed of DL580G5_ITENOS_4vCPU_16GB_AMS10K, DL580G5_ITENOS_1vCPU_2GB_AMS10K was 0.692x the speed of DL580G5_ITENOS_2vCPU_4GB_AMS10K.

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

C-Ray (Total Time) at 11.643x
Parallel BZIP2 Compression (256MB File Compression) at 10.401x
Apache Benchmark (Static Web Page Serving) at 9.473x

John The Ripper (Blowfish) at 8.435x
Timed MAFFT Alignment (Multiple Sequence Alignment) at 7.627x
Timed HMMer Search (Pfam Database Search) at 6.452x
Bullet Physics Engine (Test: 3000 Fall) at 5.154x
FFmpeg (H.264 HD To NTSC DV) at 4.959x
NGINX Benchmark (Static Web Page Serving) at 4.157x
PostMark (Disk Transaction Performance) at 4.066x.

Test Systems:

DL580G5_ITENOS_4vCPU_16GB_AMS10K

Processor: Intel Xeon E7330 @ 2.40GHz (4 Cores), Motherboard: Intel 440BX, Chipset: Intel 440BX/ZX/DX, Memory: 16384MB, Disk: 43GB Virtual disk, Graphics: VMware SVGA II, Network: Intel 82545EM Gigabit

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86_64), Compiler: GCC 4.7, File-System: ext4, System Layer: VMware

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
Disk Notes: DEADLINE / data=ordered,errors=remount-ro,relatime,rw
System Notes: Disk Scheduler: DEADLINE.

DL580G5_ITENOS_2vCPU_4GB_AMS10K

Processor: Intel Xeon E7330 @ 2.40GHz (2 Cores), Motherboard: Intel 440BX, Chipset: Intel 440BX/ZX/DX, Memory: 4096MB, Disk: 43GB Virtual disk, Graphics: VMware SVGA II, Network: Intel 82545EM Gigabit

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86_64), Compiler: GCC 4.7, File-System: ext4, System Layer: VMware

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
Disk Notes: DEADLINE / data=ordered,errors=remount-ro,relatime,rw
System Notes: Disk Scheduler: DEADLINE.

DL580G5_ITENOS_1vCPU_2GB_AMS10K

Processor: Intel Xeon E7330 @ 2.40GHz (1 Core), Motherboard: Intel 440BX, Chipset: Intel 440BX/ZX/DX, Memory: 2048MB, Disk: 43GB Virtual disk, Graphics: VMware SVGA II, Network: Intel 82545EM Gigabit

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86_64), Compiler: GCC 4.7, File-System: ext4, System Layer: VMware

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
Disk Notes: DEADLINE / data=ordered,errors=remount-ro,relatime,rw
System Notes: Disk Scheduler: DEADLINE.

DL380G7_ITENOS_1vCPU_2GB_AMS10K

Processor: Intel Xeon X5690 @ 3.47GHz (1 Core), Motherboard: Intel 440BX, Chipset: Intel 440BX/ZX/DX, Memory:

2048MB, Disk: 43GB Virtual disk, Graphics: VMware SVGA II, Network: Intel 82545EM Gigabit

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86_64), Compiler: GCC 4.7, File-System: ext4, System Layer: VMware

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
Disk Notes: DEADLINE / data=ordered,errors=remount-ro,relatime,rw
System Notes: Disk Scheduler: DEADLINE.

DL380G7_ITENOS_2vCPU_4GB_AMS10K

Processor: Intel Xeon X5690 @ 3.47GHz (2 Cores), Motherboard: Intel 440BX, Chipset: Intel 440BX/ZX/DX, Memory: 4096MB, Disk: 43GB Virtual disk, Graphics: VMware SVGA II, Network: Intel 82545EM Gigabit

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86_64), Compiler: GCC 4.7, File-System: ext4, System Layer: VMware

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
Disk Notes: DEADLINE / data=ordered,errors=remount-ro,relatime,rw
System Notes: Disk Scheduler: DEADLINE.

DL380G7_ITENOS_4vCPU_16GB_AMS10K

Processor: Intel Xeon X5690 @ 3.47GHz (4 Cores), Motherboard: Intel 440BX, Chipset: Intel 440BX/ZX/DX, Memory: 16384MB, Disk: 43GB Virtual disk, Graphics: VMware SVGA II, Network: Intel 82545EM Gigabit

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86_64), Compiler: GCC 4.7, File-System: ext4, System Layer: VMware

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
Disk Notes: DEADLINE / data=ordered,errors=remount-ro,relatime,rw
System Notes: Disk Scheduler: DEADLINE.

DL380pG8_ITENOS_4vCPU_16GB_AMS10K

Processor: Intel Xeon E5-2690 0 @ 2.89GHz (4 Cores), Motherboard: Intel 440BX, Chipset: Intel 440BX/ZX/DX, Memory: 16384MB, Disk: 43GB Virtual disk, Graphics: VMware SVGA II, Network: Intel 82545EM Gigabit

OS: Ubuntu 12.10, Kernel: 3.5.0-17-generic (x86_64), Compiler: GCC 4.7, File-System: ext4, System Layer: VMware

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
Disk Notes: DEADLINE / data=ordered,errors=remount-ro,relatime,rw
System Notes: Disk Scheduler: DEADLINE.

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Processor: 2 x Intel Xeon E5-2430 v2 @ 2.50GHz (8 Cores), Motherboard: Intel 440BX, Chipset: Intel 440BX/ZX/DX, Memory: 2 x 16384 MB DRAM, Disk: 107GB Virtual disk, Graphics: VMware SVGA II, Network: VMware VMXNET3

OS: CentOS Linux 7, Kernel: 3.10.0-514.el7.x86_64 (x86_64), Compiler: GCC 4.8.5 20150623, File-System: xfs, Screen Resolution: 2048x1600, System Layer: VMware

Compiler Notes: --build=x86_64-redhat-linux --disable-libgcj --disable-libunwind-exceptions --enable-__cxa_atexit --enable-bootstrap --enable-checking=release --enable-gnu-indirect-function --enable-gnu-unique-object --enable-initfini-array --enable-languages=c,c++,objc,obj-c++,java,fortran,ada,go,lto --enable-plugin

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--enable-shared --enable-threads=posix --mandir=/usr/share/man --with-arch_32=x86-64 --with-linker-hash-style=gnu --with-tune=generic
Disk Notes: DEADLINE / attr2,inode64,noquota,relatime,rw,seclabel
System Notes: SELinux: Enabled.

	DL580G5_ITENOS_4vCPU_16GB_AMS10K	DL580G5_ITENOS_2vCPU_4GB_AMS10K	DL580G5_ITENOS_1vCPU_2GB_AMS10K	DL380G7_ITENOS_1vCPU_2GB_AMS10K	DL380G7_ITENOS_2vCPU_4GB_AMS10K	DL380G7_ITENOS_4vCPU_16GB_AMS10K	DL380pG8_ITENOS_4vCPU_16GB_AMS10K	237test
SQLite - 12,500 INSERTs (sec)	291.63	264.77	274.25	219.49	248.36	235.91	195.96	10.02
Normalized	3.44%	3.78%	3.65%	4.57%	4.03%	4.25%	5.11%	100%
Standard Deviation	0.2%	0.7%	6.1%	4.9%	8.4%	6.5%	4.3%	5%
IOzone - 4GB - Read Performance (MB/s)	888.65	105.55	60.91	82.52	100.60	5288	6605	2450
Normalized	13.45%	1.6%	0.92%	1.25%	1.52%	80.06%	100%	37.1%
Standard Deviation	2.5%	3%	31.3%	4.4%	2.6%	1.2%	10.3%	97.2%
IOzone - 4GB - Write Performance (MB/s)	141.43	174.39	180.81	174.10	174.83	175.71	178.51	297.05
Normalized	47.61%	58.71%	60.87%	58.61%	58.86%	59.15%	60.09%	100%
Standard Deviation	7%	9.9%	8%	15.2%	14.8%	1.5%	8.3%	0.8%
PostMark - D.T.P (TPS)	1295	1300	1098	2295	4190	4166	4464	3205
Normalized	29.01%	29.12%	24.6%	51.41%	93.86%	93.32%	100%	71.8%
Standard Deviation	2.3%	2.5%	0.5%	3.1%	1%	0%	0%	
Stream - Copy (MB/s)	3729	3201	1777	6851	8440	6332	30279	33250
Normalized	11.21%	9.63%	5.35%	20.61%	25.38%	19.05%	91.06%	100%
Standard Deviation	18.9%	11.4%	5.4%	0.4%	0.2%	0.4%	0.4%	11.9%
Stream - Scale (MB/s)	3215	2768	1534	6651	8189	6126	28302	34386
Normalized	9.35%	8.05%	4.46%	19.34%	23.82%	17.82%	82.31%	100%
Standard Deviation	22.4%	12.4%	6.2%	0.5%	0.5%	0.7%	0.4%	8.7%
Stream - Triad (MB/s)	2323	2119	1354	7179	8853	6807	30919	30773
Normalized	7.51%	6.85%	4.38%	23.22%	28.63%	22.02%	100%	99.53%
Standard Deviation	20.5%	14.8%	6.1%	0.4%	0.6%	0.6%	0.5%	10.8%
Stream - Add (MB/s)	4344	3628	1914	7012	8609	6589	28867	29006
Normalized	14.97%	12.51%	6.6%	24.18%	29.68%	22.72%	99.52%	100%
Standard Deviation	24.1%	11.4%	4.4%	0.5%	0.5%	0.3%	0.6%	7.3%
Timed HMMer Search - P.D.S (sec)	27.99	52.71	101.36	55.89	29.25	17.11	15.71	
Normalized	56.13%	29.8%	15.5%	28.11%	53.71%	91.82%	100%	
Standard Deviation	1.5%	1.3%	0.6%	1.3%	1.6%	3.3%	2.3%	
Timed MAFFT Alignment - M.S.A (sec)	30.55	43.71	56.21	24.73	14.88	8.67	7.37	
Normalized	24.12%	16.86%	13.11%	29.8%	49.53%	85.01%	100%	
Standard Deviation	6.2%	2.7%	0.6%	1.4%	3.2%	1.4%	4%	
Java SciMark - JAVA - FFT Performance (Mflops)	456.79	458.59	465.54	792.48	783.49	786.76	896.21	
Normalized	50.97%	51.17%	51.95%	88.43%	87.42%	87.79%	100%	
Standard Deviation	0.4%	0.4%	0.2%	0.1%	0.1%	0.2%	0.2%	

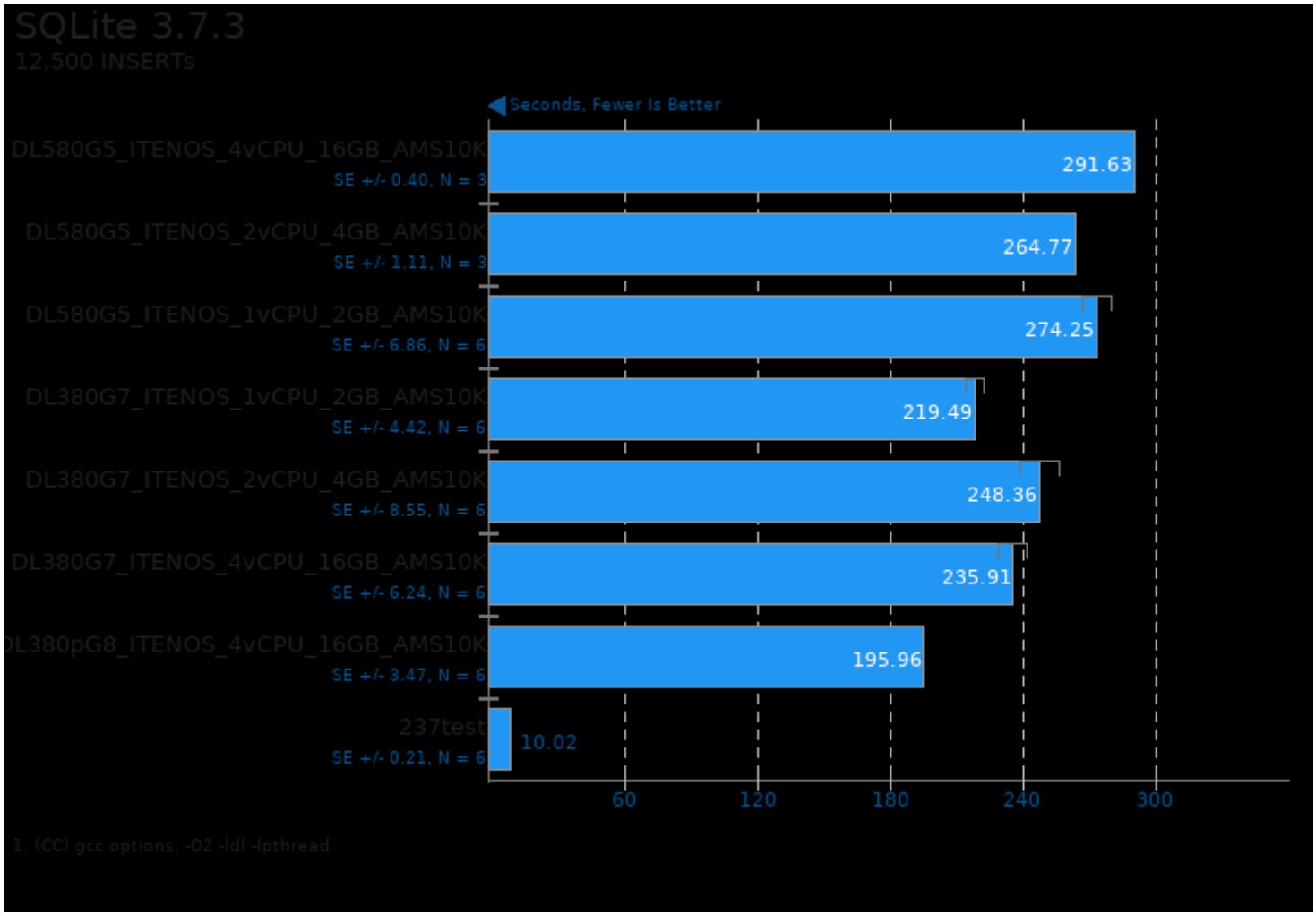
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Java SciMark - JAVA - SOR Performance (Mflops)	**929.11**	943.67	940.68	1442	**1442**	1440	1376	
Normalized	64.42%	65.43%	65.22%	99.95%	100%	99.83%	95.42%	
Standard Deviation	0.3%	0.3%	0.4%	0.1%	0.1%	0%	0.5%	
Java SciMark - JAVA - C.P (Mflops)	**783.04**	795.51	794.20	1333	1331	1316	**1469**	
Normalized	53.32%	54.16%	54.08%	90.75%	90.61%	89.59%	100%	
Standard Deviation	0.7%	0.3%	0.3%	0.2%	0.5%	2.1%	0.2%	
Java SciMark - JAVA - M.C.P (Mflops)	401.85	402.60	**400.88**	683.64	678.45	691.40	**706.64**	
Normalized	56.87%	56.97%	56.73%	96.75%	96.01%	97.84%	100%	
Standard Deviation	0.3%	0.1%	0.4%	0.1%	1.4%	0%	0.2%	
Bork File Encrypter - F.E.T (sec)	32.55	42.81	**59.26**	47.90	28.08	14.76	**14.55**	
Normalized	44.7%	33.99%	24.55%	30.38%	51.82%	98.58%	100%	
Standard Deviation	7.6%	6.5%	7.2%	13.7%	27.4%	23.3%	13.9%	
CacheBench - Read Cache (MB/s)	1993	**1981**	2004	2736	2737	2738	**2774**	
Normalized	71.83%	71.39%	72.22%	98.62%	98.64%	98.69%	100%	
Standard Deviation	0.6%	1.4%	0.1%	0%	0.1%	0%	0%	
CacheBench - Write Cache (MB/s)	5998	6011	**5987**	9119	9108	**9126**	8342	
Normalized	65.72%	65.87%	65.6%	99.92%	99.81%	100%	91.41%	
Standard Deviation	0.1%	0.1%	0.4%	0%	0.2%	0%	0%	
John The Ripper - Blowfish (Real C/S)	2559	1300	**650**	951	1891	3803	3107	**5483**
Normalized	46.67%	23.71%	11.85%	17.34%	34.49%	69.36%	56.67%	100%
Standard Deviation	0.6%	0.6%	1%	0.6%	0.2%	0.6%	0.5%	2%
GraphicsMagick - HWB Color Space (Iterations/min)	66	55	**43**	92	122	**146**	145	
Normalized	45.21%	37.67%	29.45%	63.01%	83.56%	100%	99.32%	
Standard Deviation	0.9%	1%	1.4%	0%	0.5%	0.4%	0.4%	
Himeno Benchmark - P.P.S (MFLOPS)	331.83	**328.77**	344.58	1260	1288	1150	**1318**	1185
Normalized	25.17%	24.94%	26.14%	95.6%	97.66%	87.24%	100%	89.88%
Standard Deviation	0.5%	2.2%	1.3%	0.6%	0.6%	0.4%	1.3%	0.2%
C-Ray - Total Time	67.31	133.46	**264.07**	151.13	75.82	37.81	43.69	**22.68**
Normalized	33.69%	16.99%	8.59%	15.01%	29.91%	59.98%	51.91%	100%
Standard Deviation	0.3%	0.5%	0.2%	0%	0.1%	0.1%	1.1%	0.5%
Parallel BZIP2 Compression - 2.F.C (sec)	26.77	43.70	**71.14**	50.31	25.39	12.88	10.82	**6.84**
Normalized	25.55%	15.65%	9.61%	13.6%	26.94%	53.11%	63.22%	100%
Standard Deviation	8.4%	2.9%	2.5%	0.7%	0.2%	0.3%	0.3%	0.6%
Bullet Physics Engine - 3000 Fall (sec)	**31.49**	28.75	26.34	6.67	6.77	6.49	**6.11**	
Normalized	19.4%	21.25%	23.2%	91.6%	90.25%	94.14%	100%	
Standard Deviation	1.4%	1.4%	0.9%	0.1%	4.6%	0.4%	0.4%	

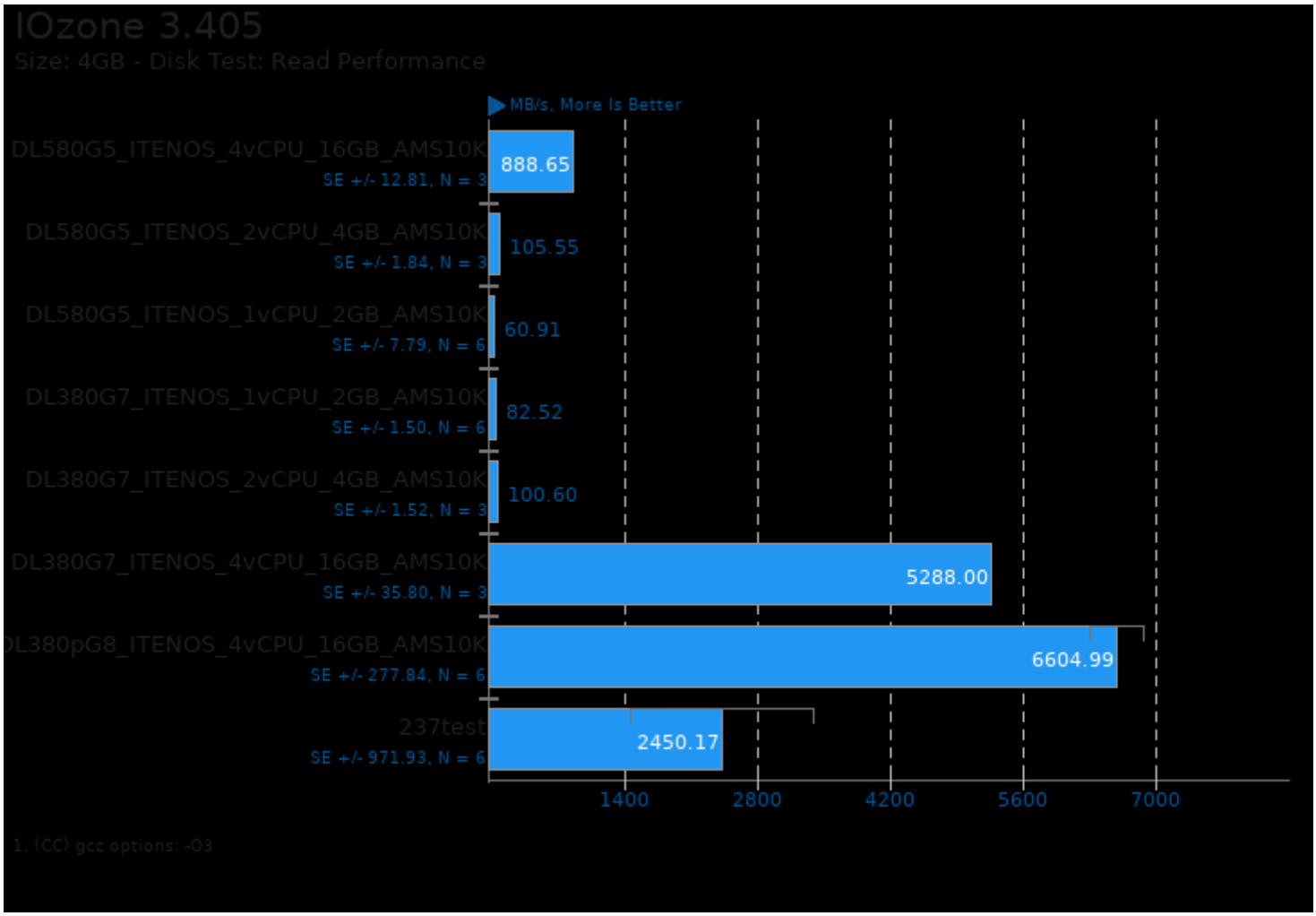
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Bullet Physics Engine - Convex Trimesh (sec)	**3.55**	3.27	3.20	1.81	1.81	1.79	**1.77**	
Normalized	49.86%	54.13%	55.31%	97.79%	97.79%	98.88%	100%	
Standard Deviation	9%	5.8%	6.2%	0.1%	0.9%	0.1%	0.1%	
Crafty - Elapsed Time (sec)	**174.87**	174.73	171.92	85.43	86.14	**85.21**	89.66	
Normalized	48.73%	48.77%	49.56%	99.74%	98.92%	100%	95.04%	
Standard Deviation	0.5%	1.3%	0.7%	0.4%	0.3%	0.1%	0.3%	
LAME MP3 Encoding - WAV To MP3 (sec)	**30.87**	30.72	30.71	17.49	17.49	17.45	**16.16**	
Normalized	52.35%	52.6%	52.62%	92.4%	92.4%	92.61%	100%	
Standard Deviation	0.8%	0.6%	0.5%	0.6%	0.4%	0.3%	0.3%	
FFmpeg - H.2.H.T.N.D (sec)	57.64	71.02	**82.76**	31.75	23.94	16.97	**16.69**	
Normalized	28.96%	23.5%	20.17%	52.57%	69.72%	98.35%	100%	
Standard Deviation	1.2%	1.9%	0.7%	2.7%	4%	5.1%	4%	
POV-Ray - Total Time (sec)	1322	**1335**	1316	733	735	**732**	761	906
Normalized	55.37%	54.83%	55.62%	99.86%	99.59%	100%	96.19%	80.79%
OpenSSL - R.4.b.P (Signs/sec)	**51.17**	51.37	51.60	80.10	80.07	80.07	**102.40**	
Normalized	49.97%	50.17%	50.39%	78.22%	78.19%	78.19%	100%	
Standard Deviation	0.1%	0.1%	0%	0%	0.1%	0.1%	0.5%	
PostgreSQL pgbench - T.B.T.P.S (TPS)	489.37	**382.82**	397.38	417.44	447.35	663.49	**807.47**	
Normalized	60.61%	47.41%	49.21%	51.7%	55.4%	82.17%	100%	
Standard Deviation	1.6%	3.3%	2%	3.3%	1.9%	1.5%	2.6%	
NGINX Benchmark - S.W.P.S (Reqs/sec)	8390	7714	**6636**	12235	23455	23457	**27588**	
Normalized	30.41%	27.96%	24.05%	44.35%	85.02%	85.03%	100%	
Standard Deviation	1.5%	5.9%	1.8%	0.6%	1.8%	2.9%	1.9%	
Apache Benchmark - S.W.P.S (Reqs/sec)	6568	4697	**3478**	6537	13315	31230	**32945**	
Normalized	19.94%	14.26%	10.56%	19.84%	40.42%	94.8%	100%	
Standard Deviation	9.7%	3.2%	1.3%	1.3%	0.3%	0.8%	0.7%	
PHPBench - P.B.S (Score)	**58010**	58302	58666	94879	93991	**95851**		86564
Normalized	60.52%	60.83%	61.21%	98.99%	98.06%	100%		90.31%
Standard Deviation	1.1%	0.6%	0%	0.5%	2.1%	0%		0.4%

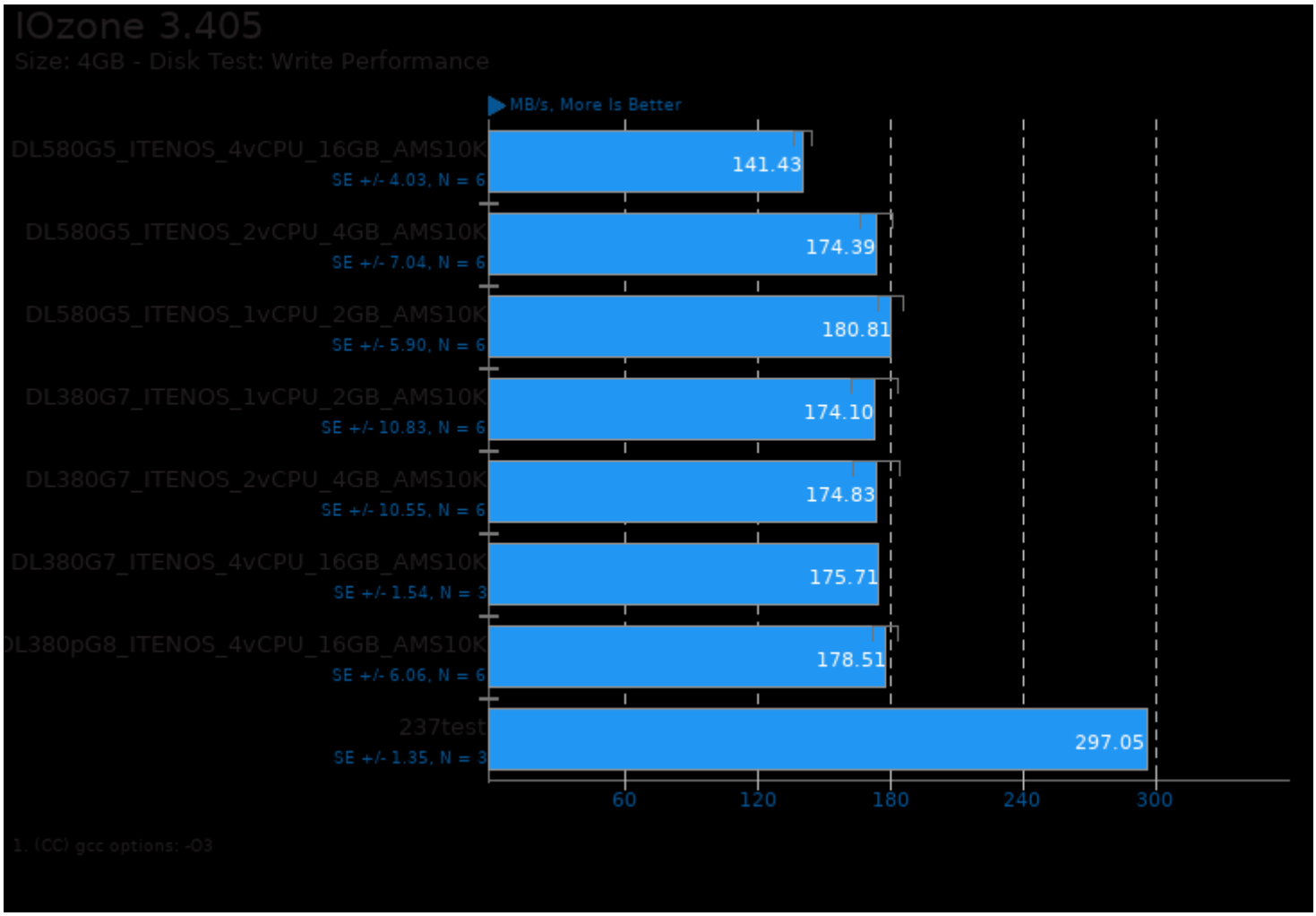
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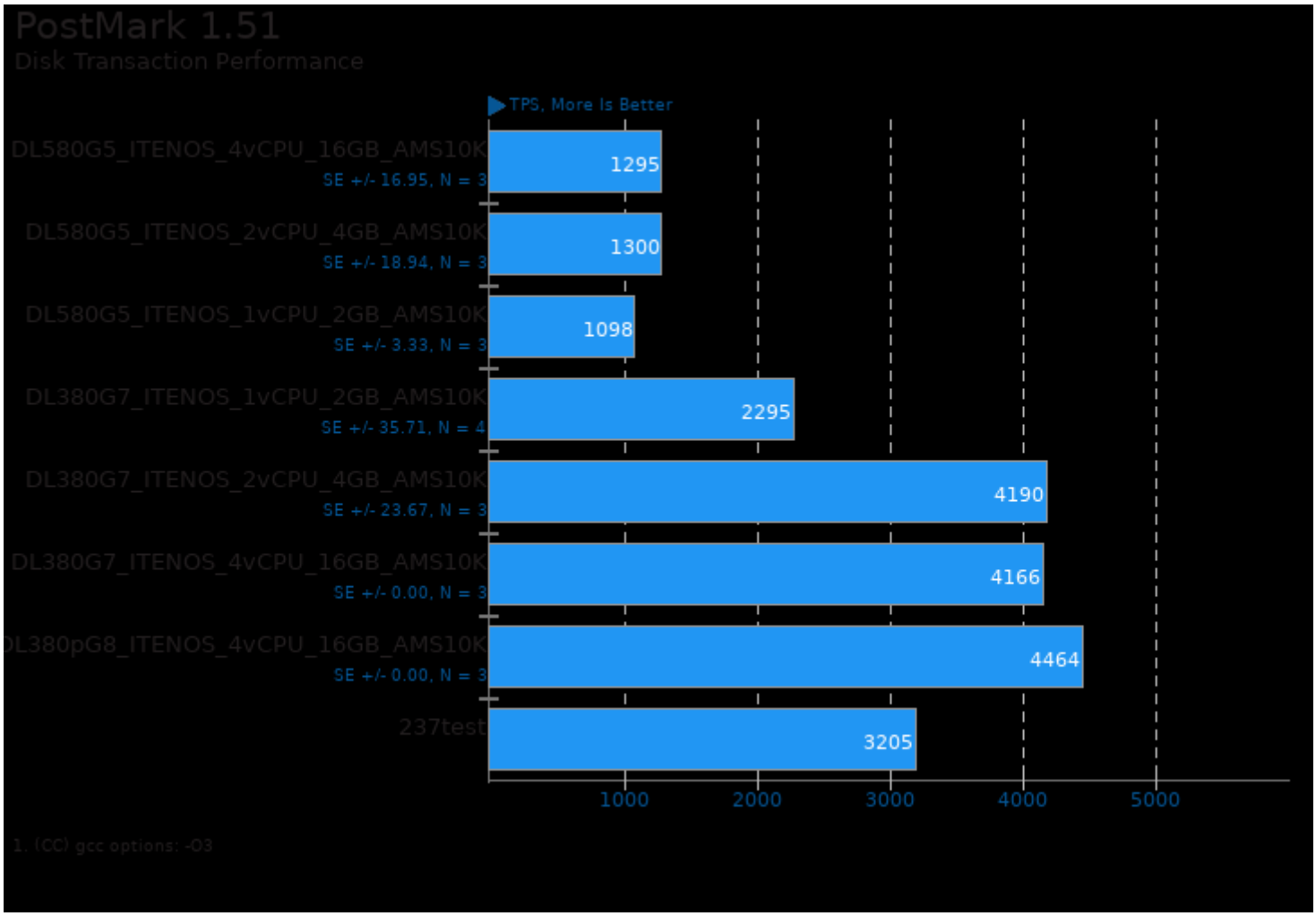
ESX_Host_Refresh



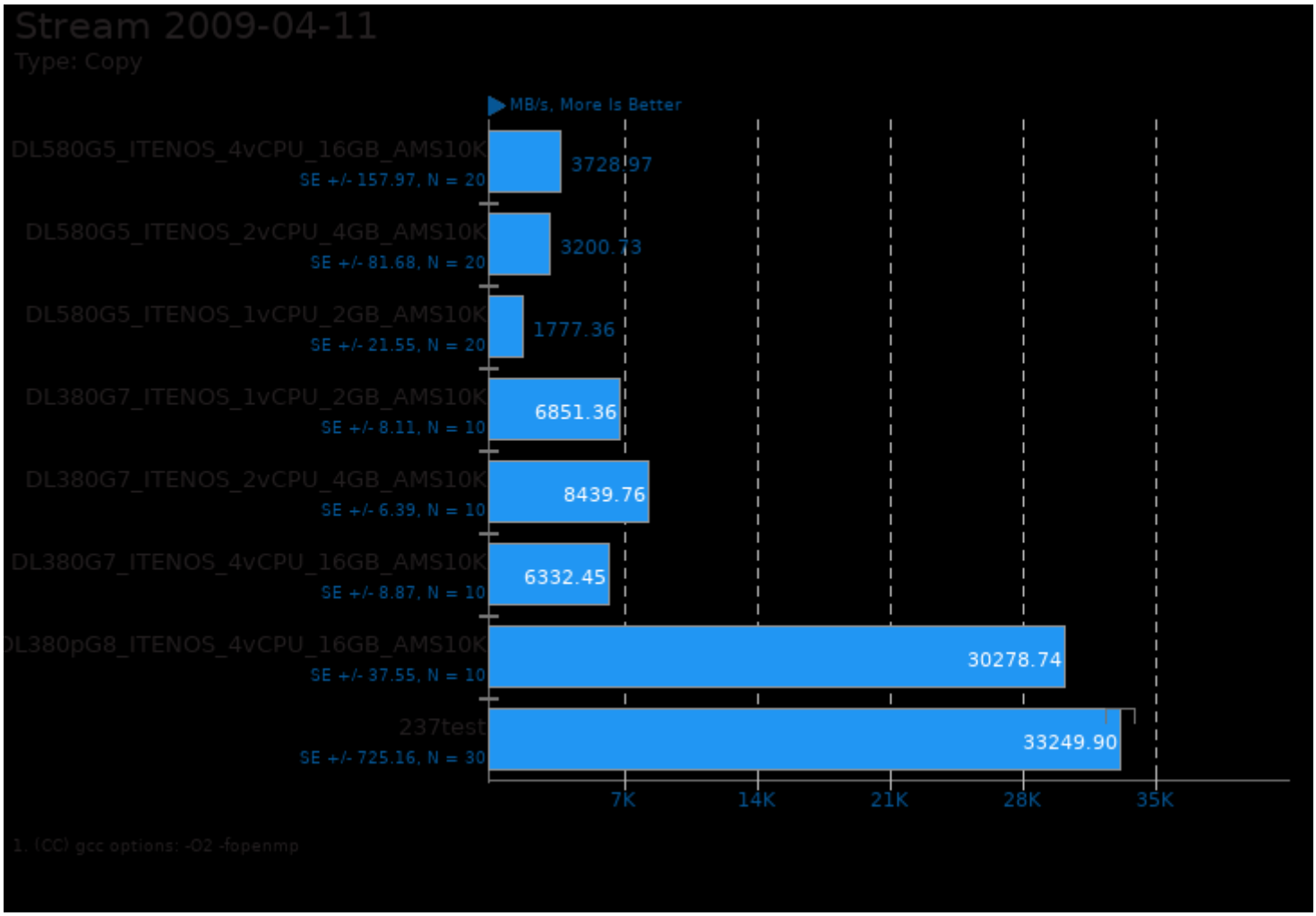
ESX_Host_Refresh



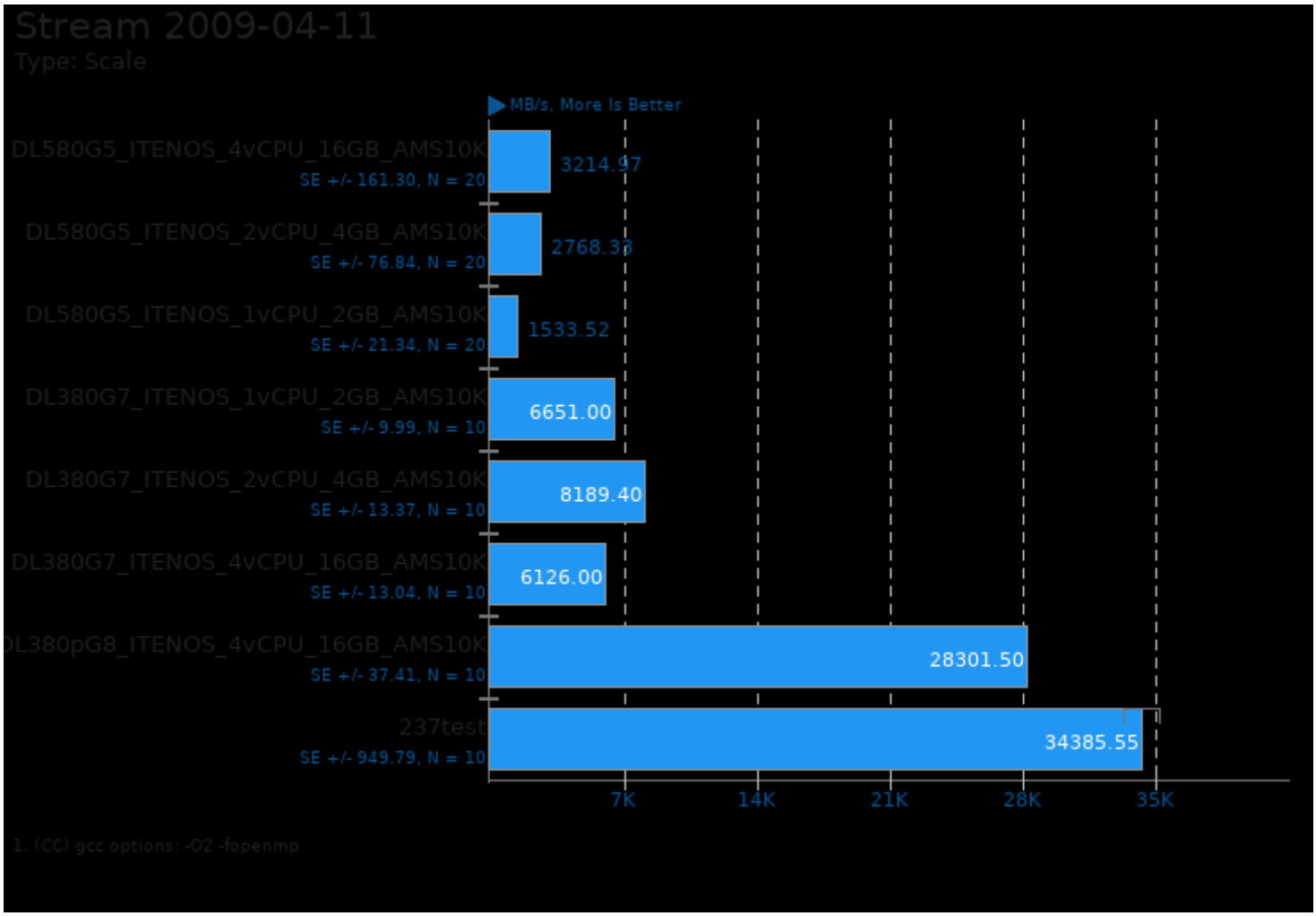
ESX_Host_Refresh



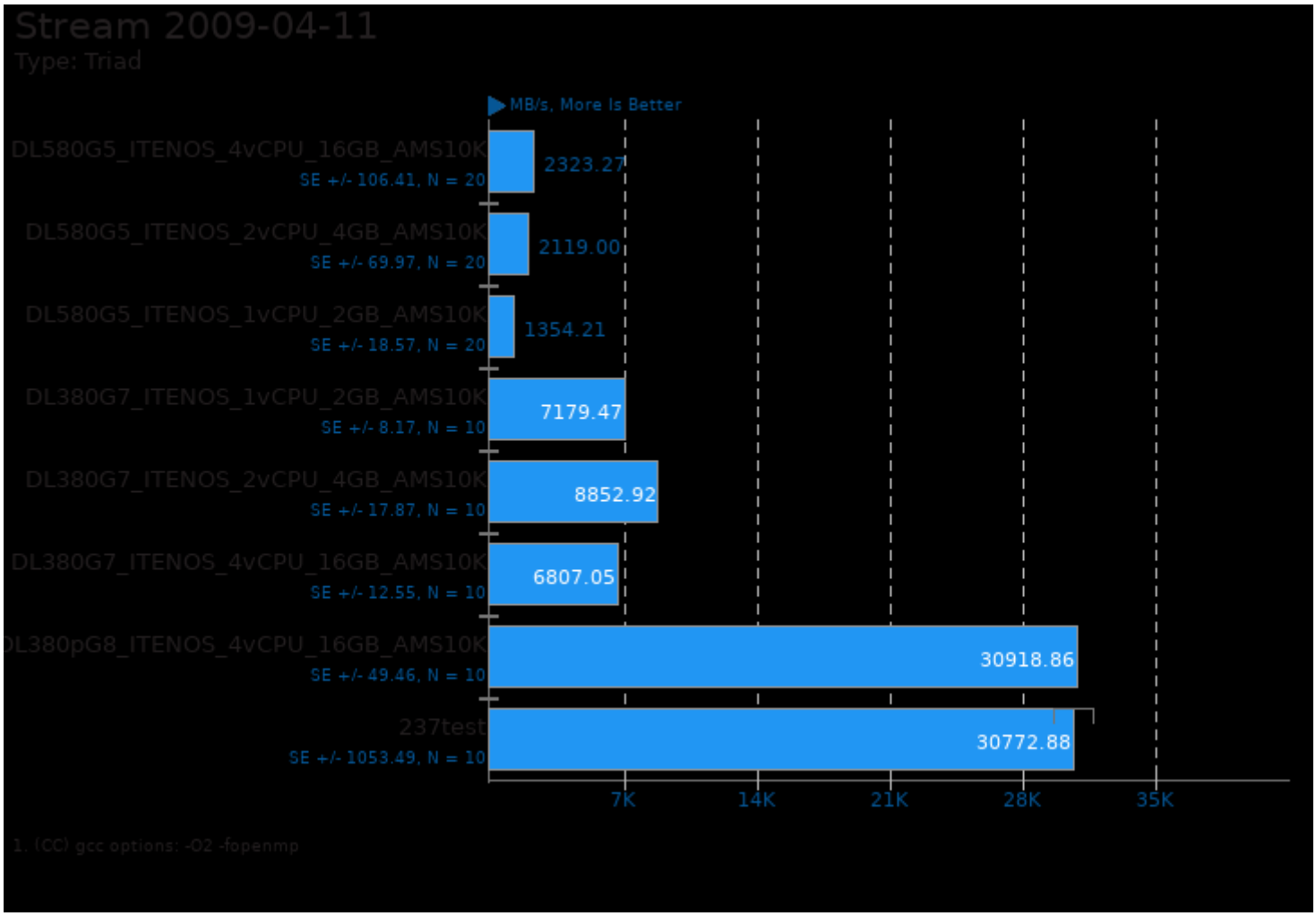
ESX_Host_Refresh



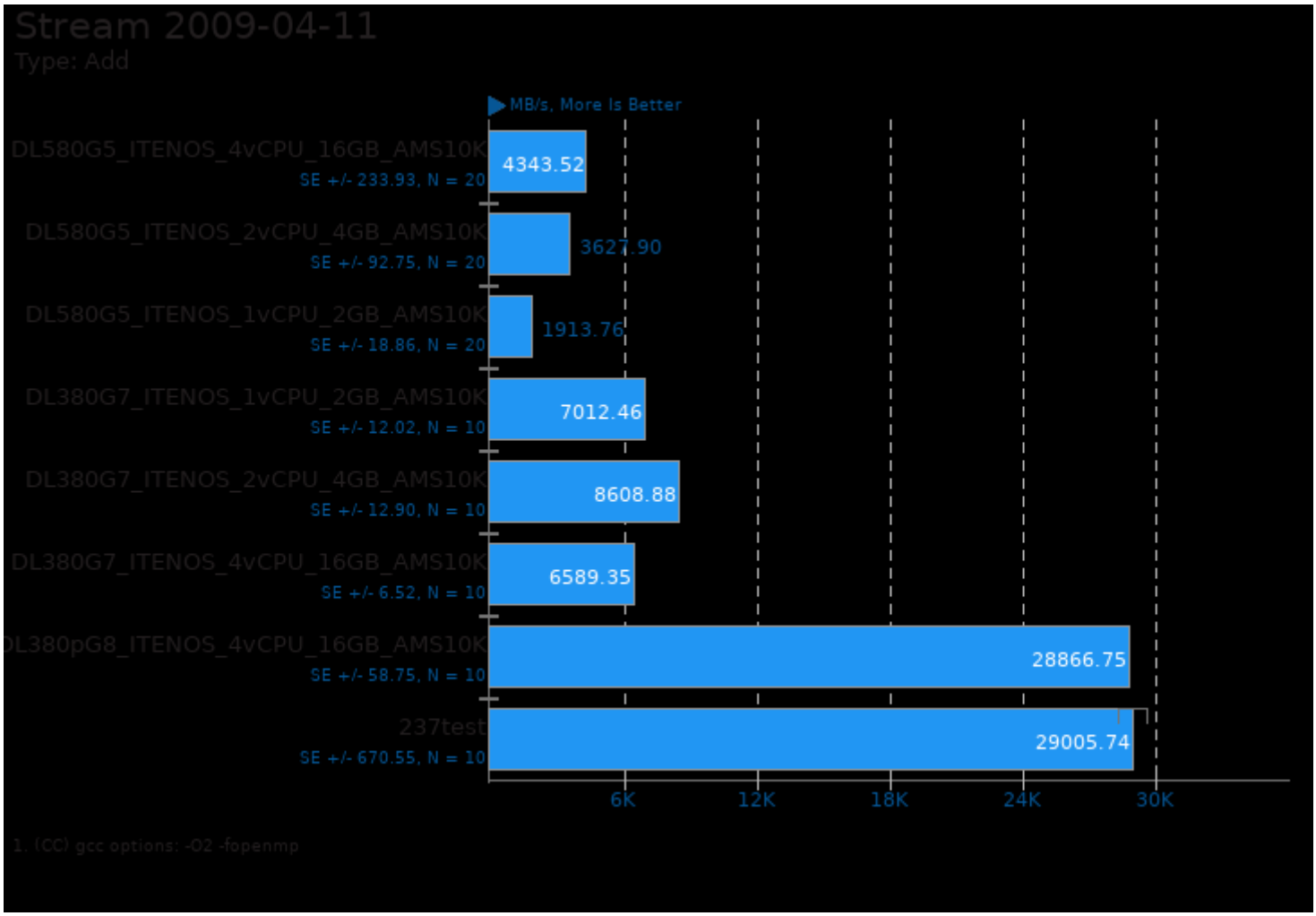
ESX_Host_Refresh



ESX_Host_Refresh



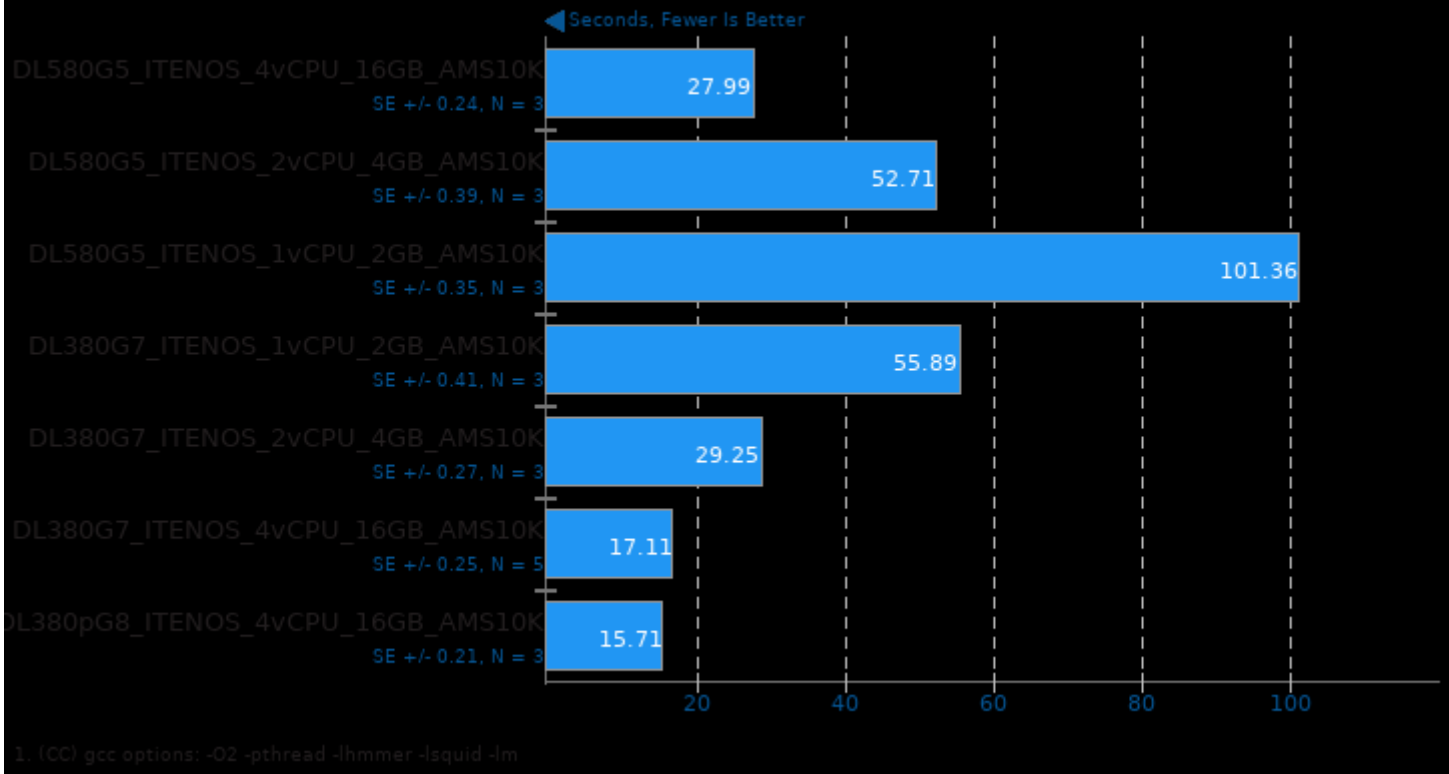
ESX_Host_Refresh



ESX_Host_Refresh

Timed HMMer Search 2.3.2

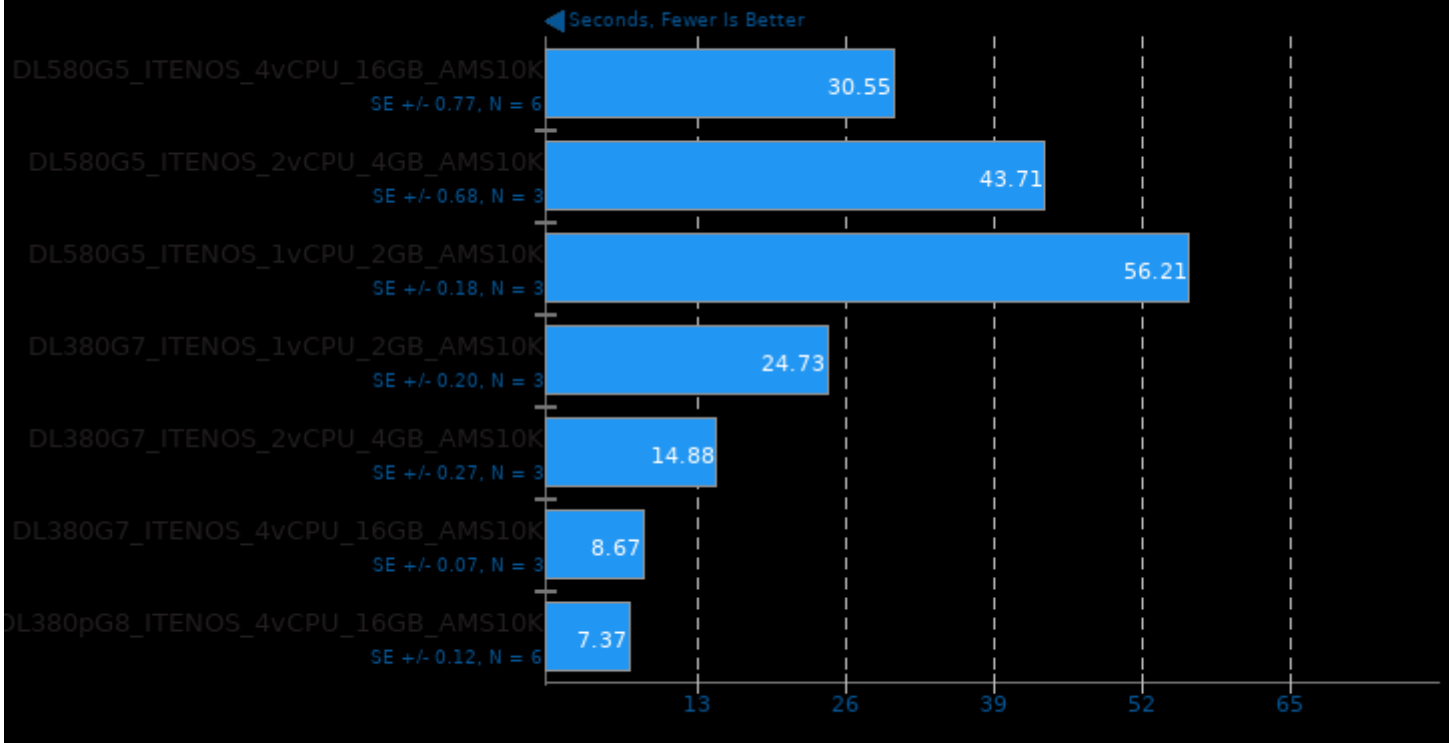
Pfam Database Search



1. (CC) gcc options: -O2 -pthread -lhmmer -lsquid -lm

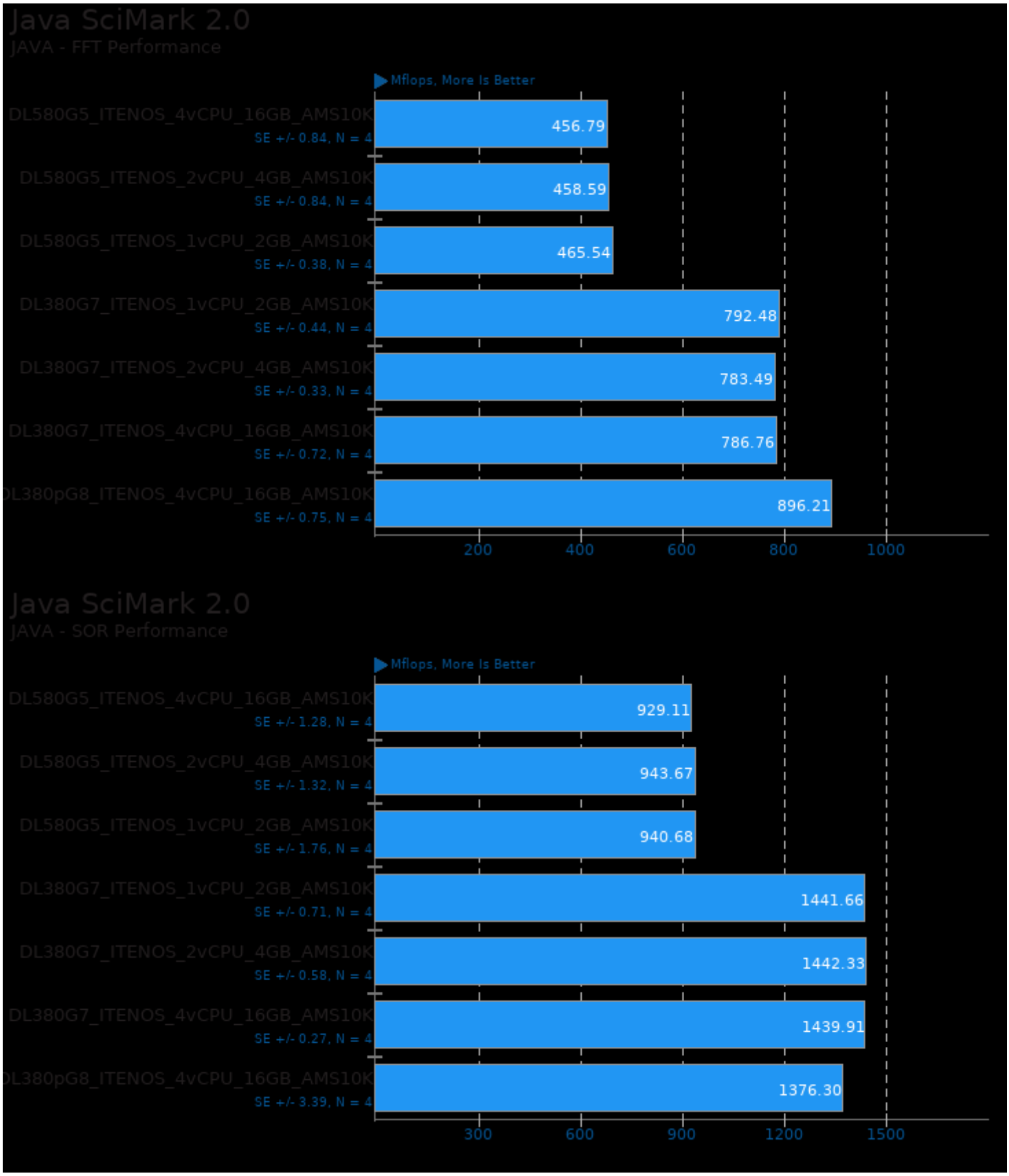
Timed MAFFT Alignment 6.864

Multiple Sequence Alignment

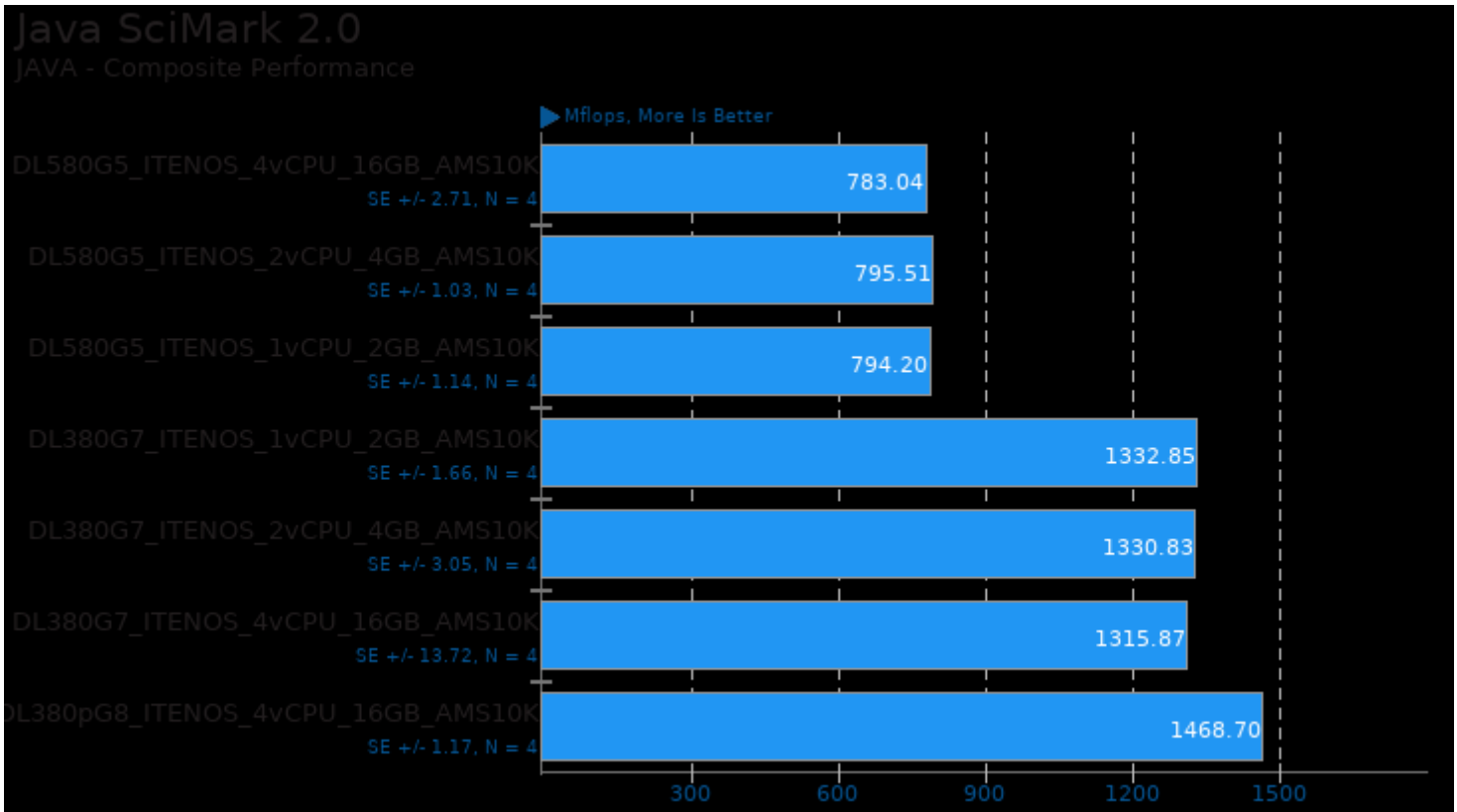


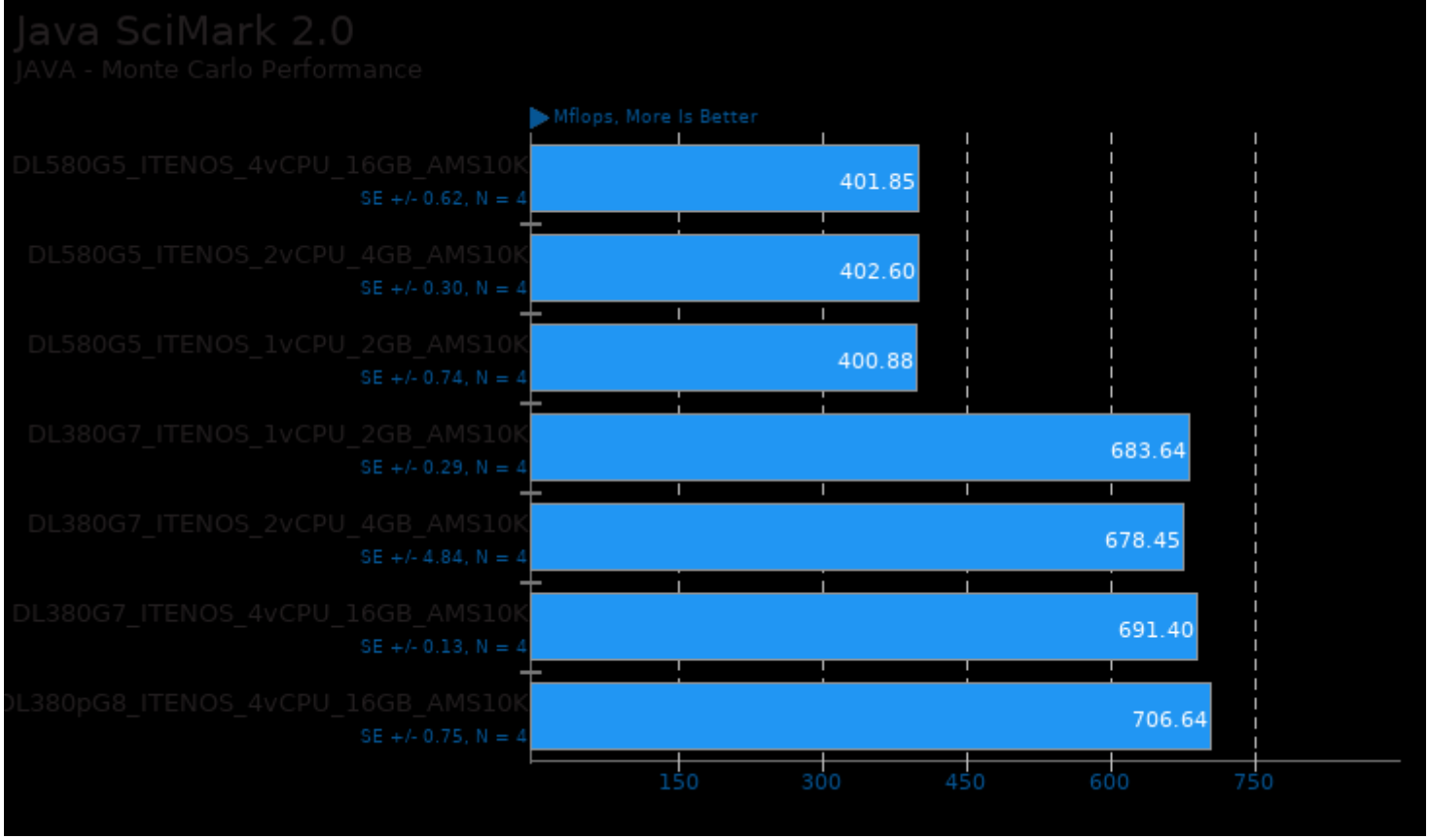
1. (CC) gcc options: -O3 -lm -lpthread

ESX_Host_Refresh

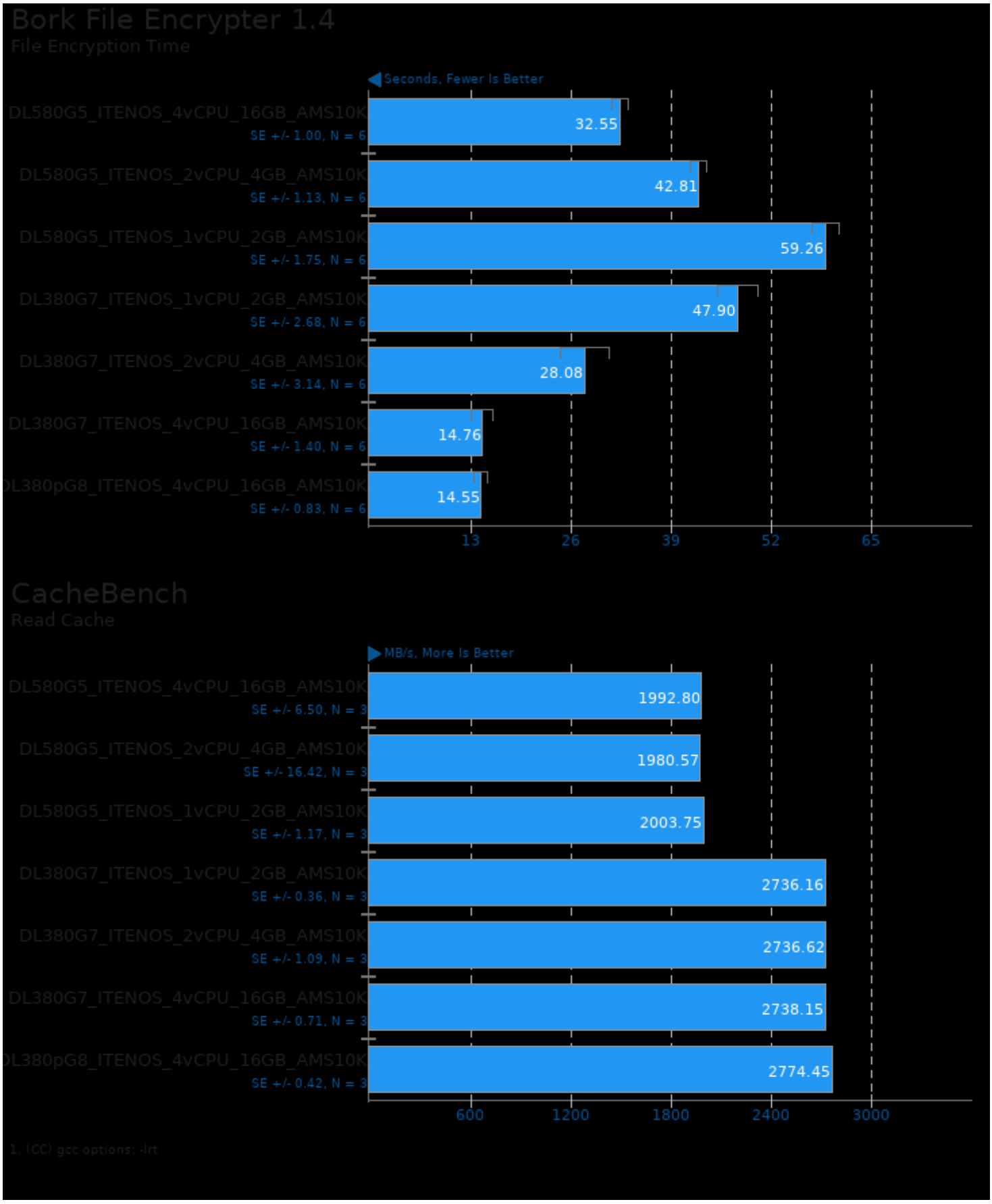


ESX_Host_Refresh

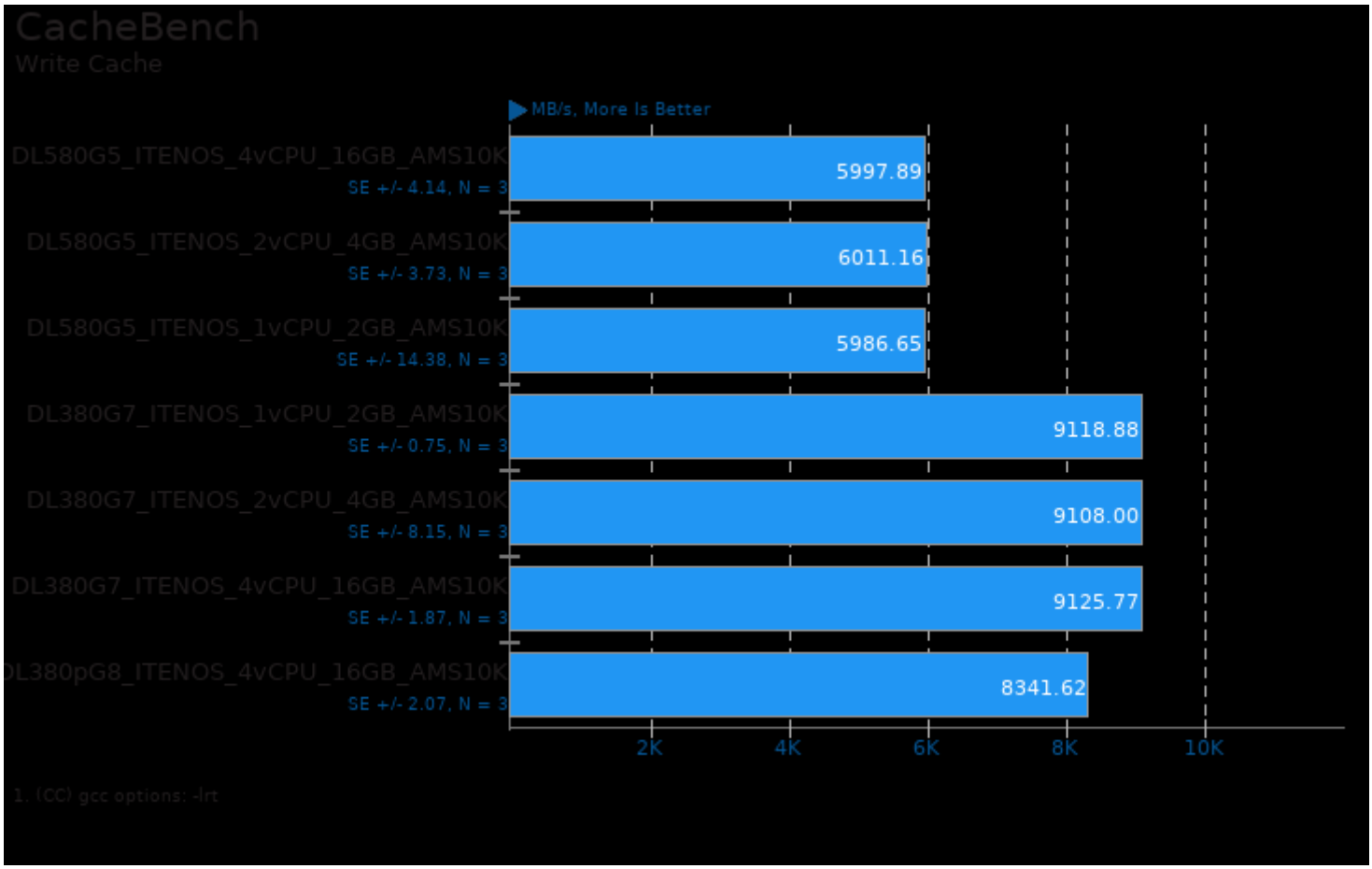




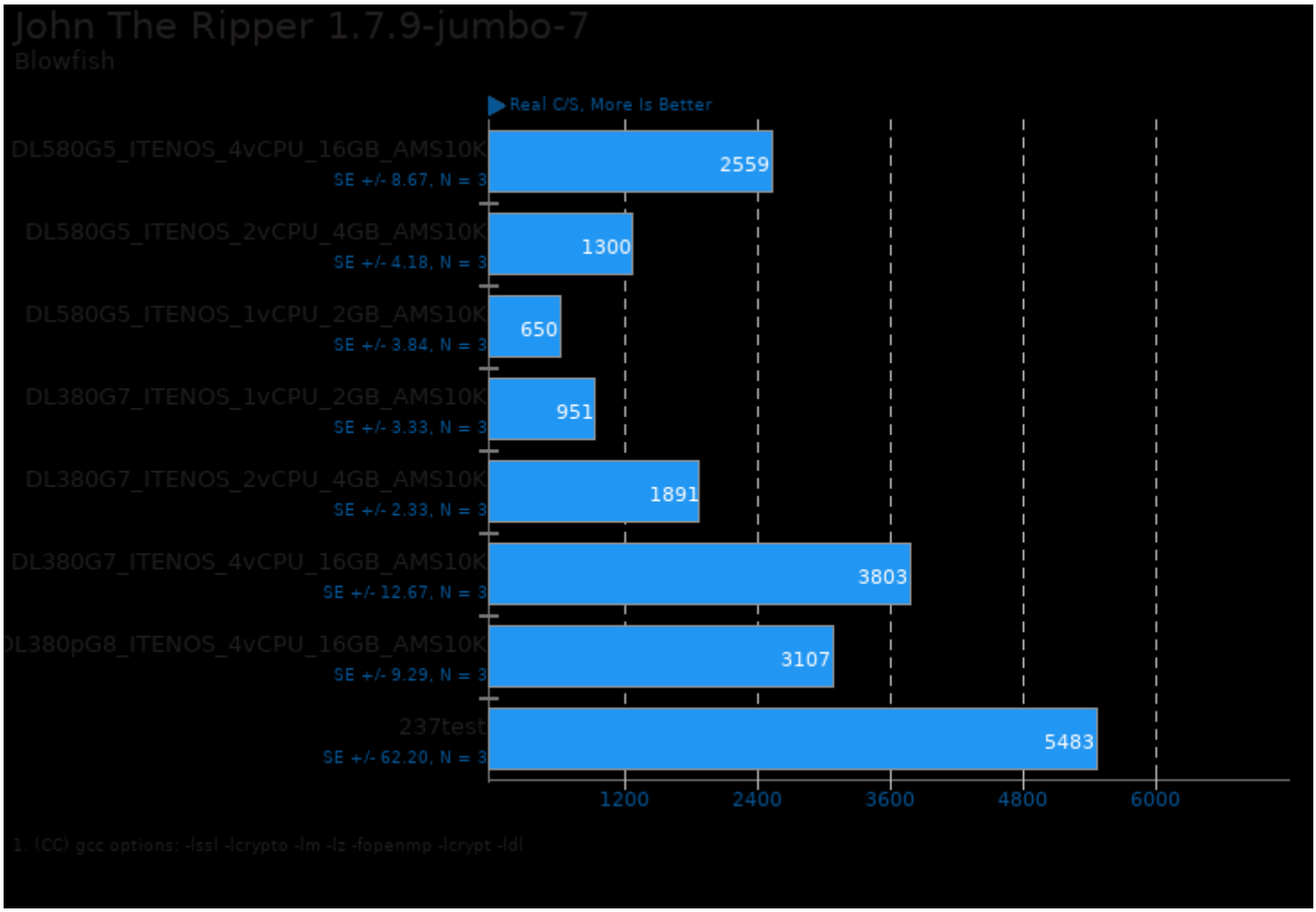
ESX_Host_Refresh



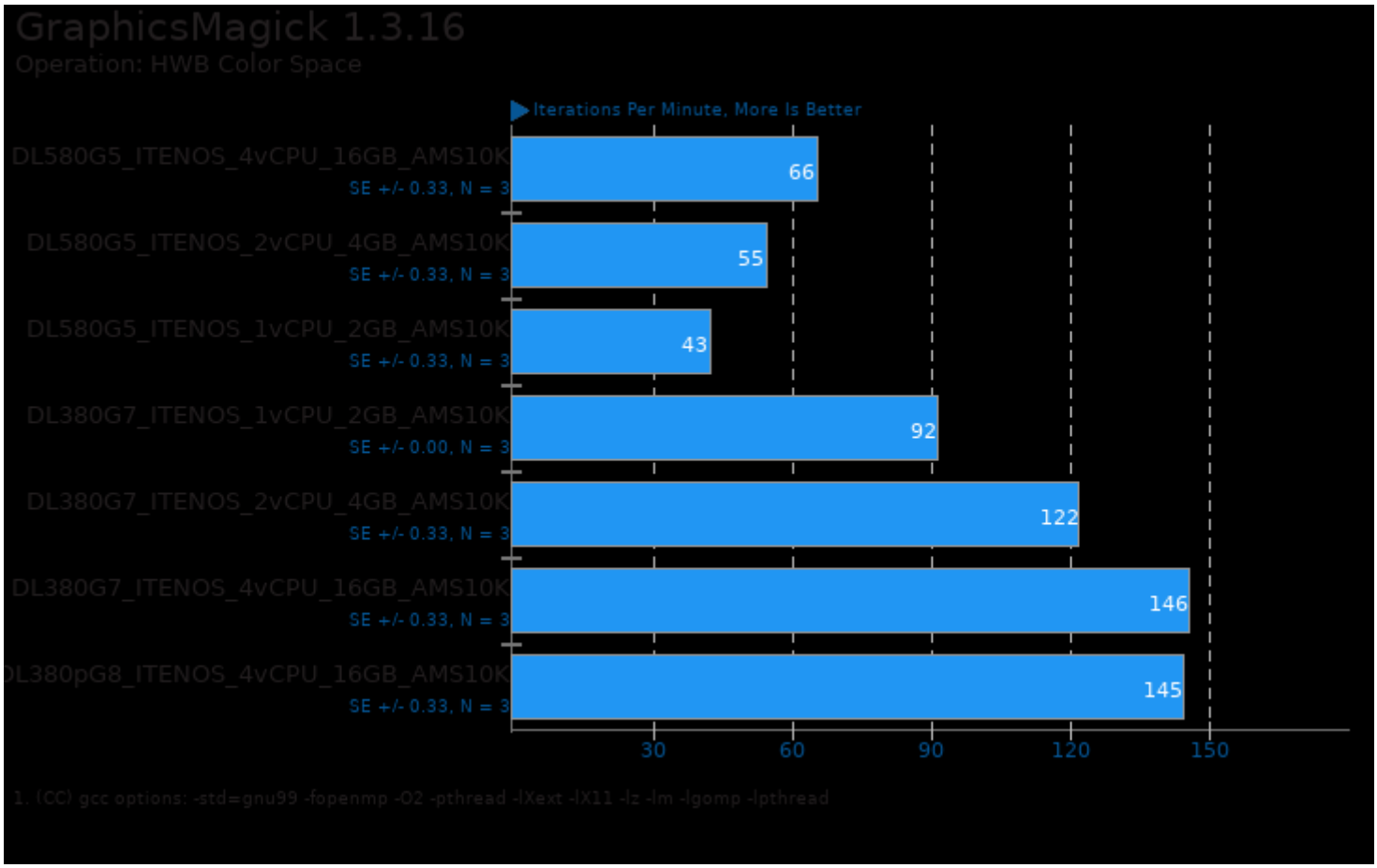
ESX_Host_Refresh



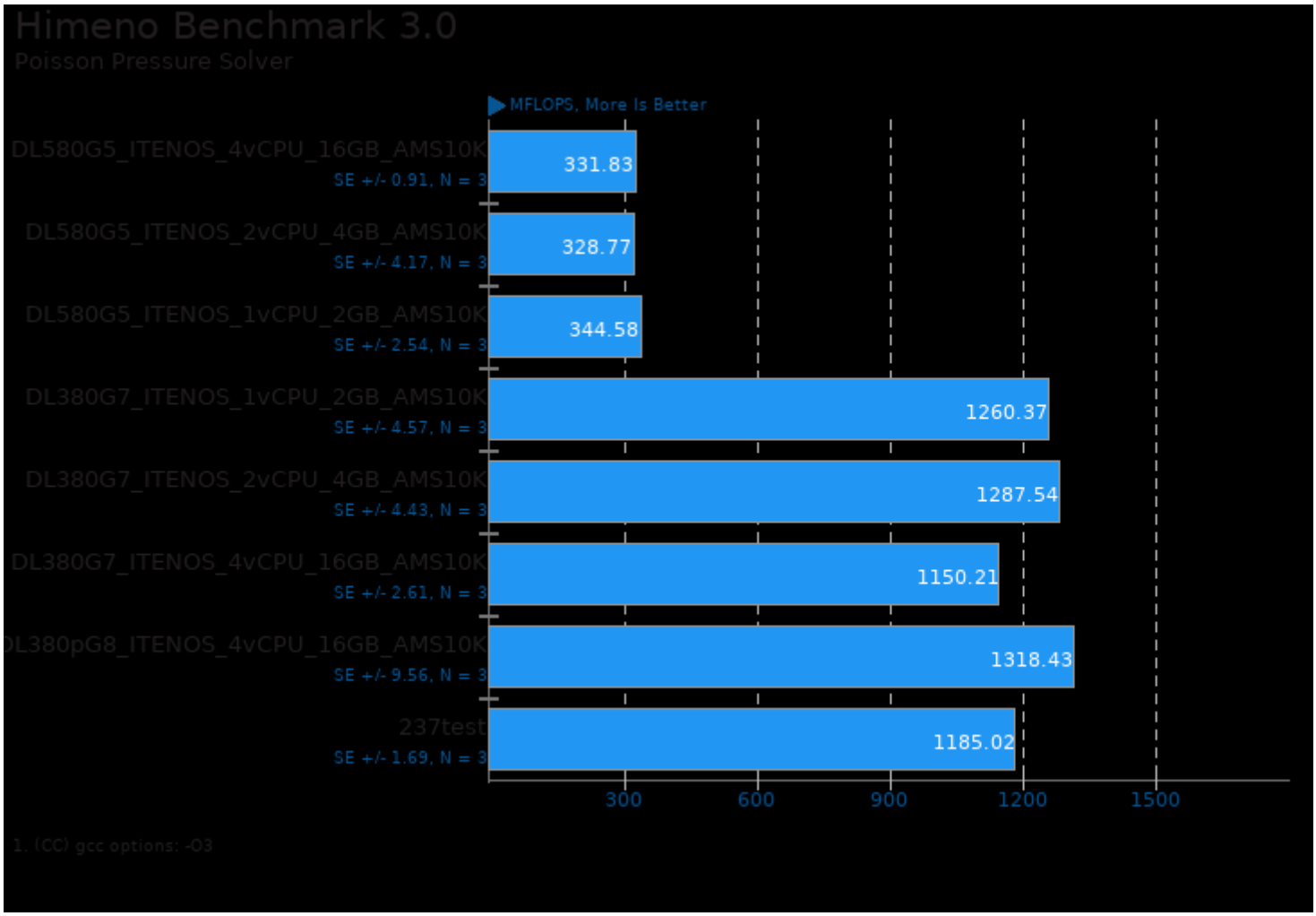
ESX_Host_Refresh



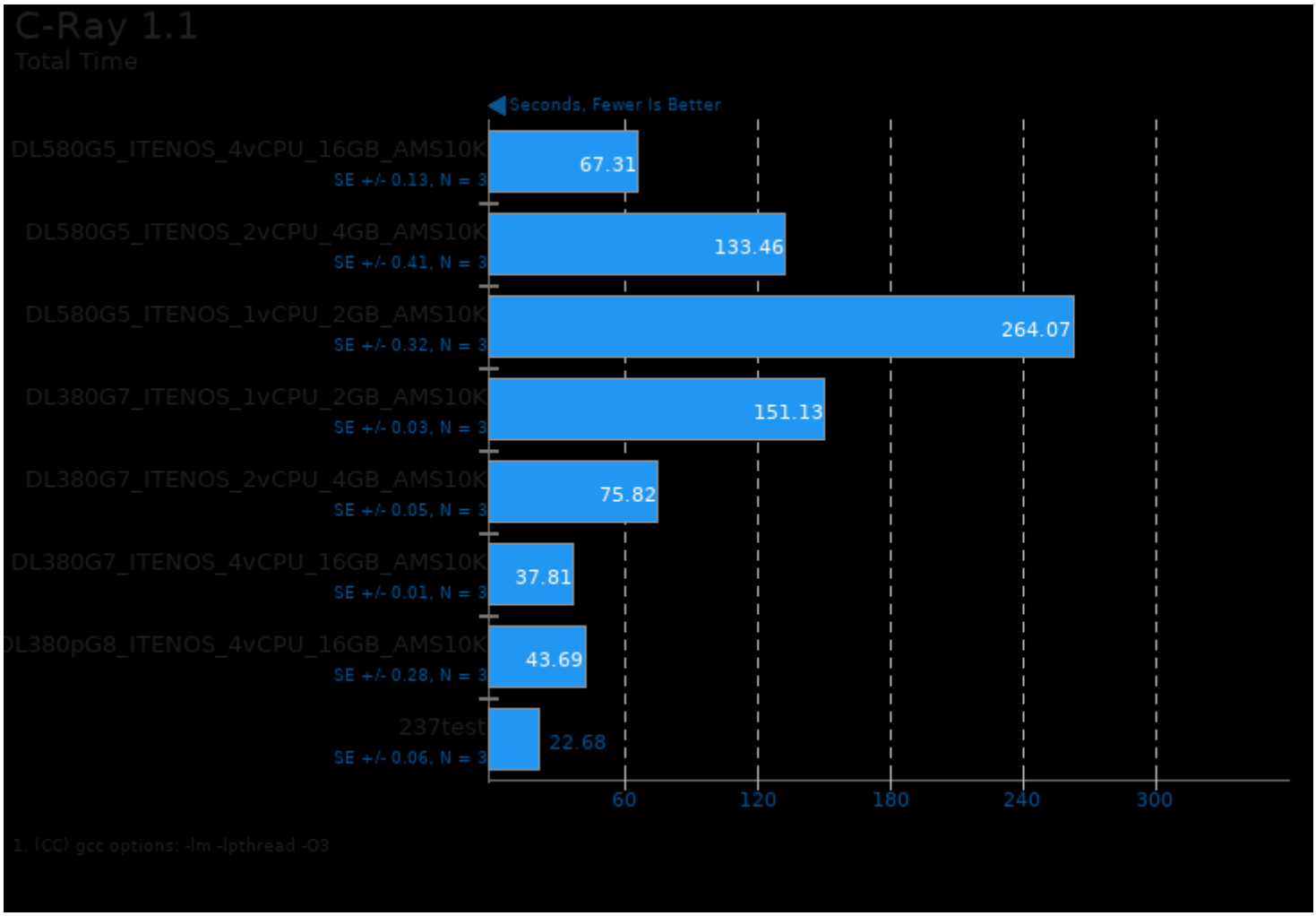
ESX_Host_Refresh



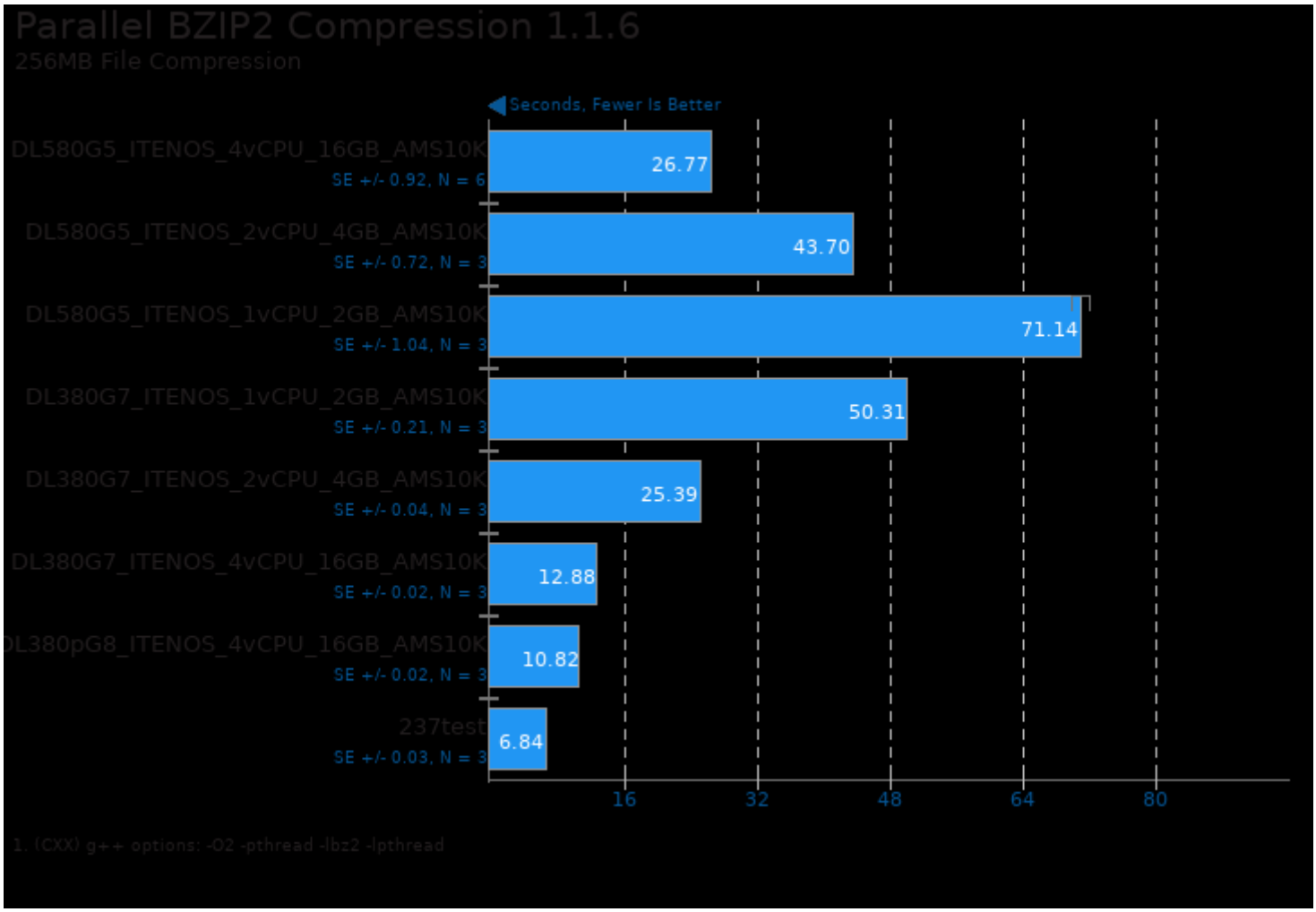
ESX_Host_Refresh

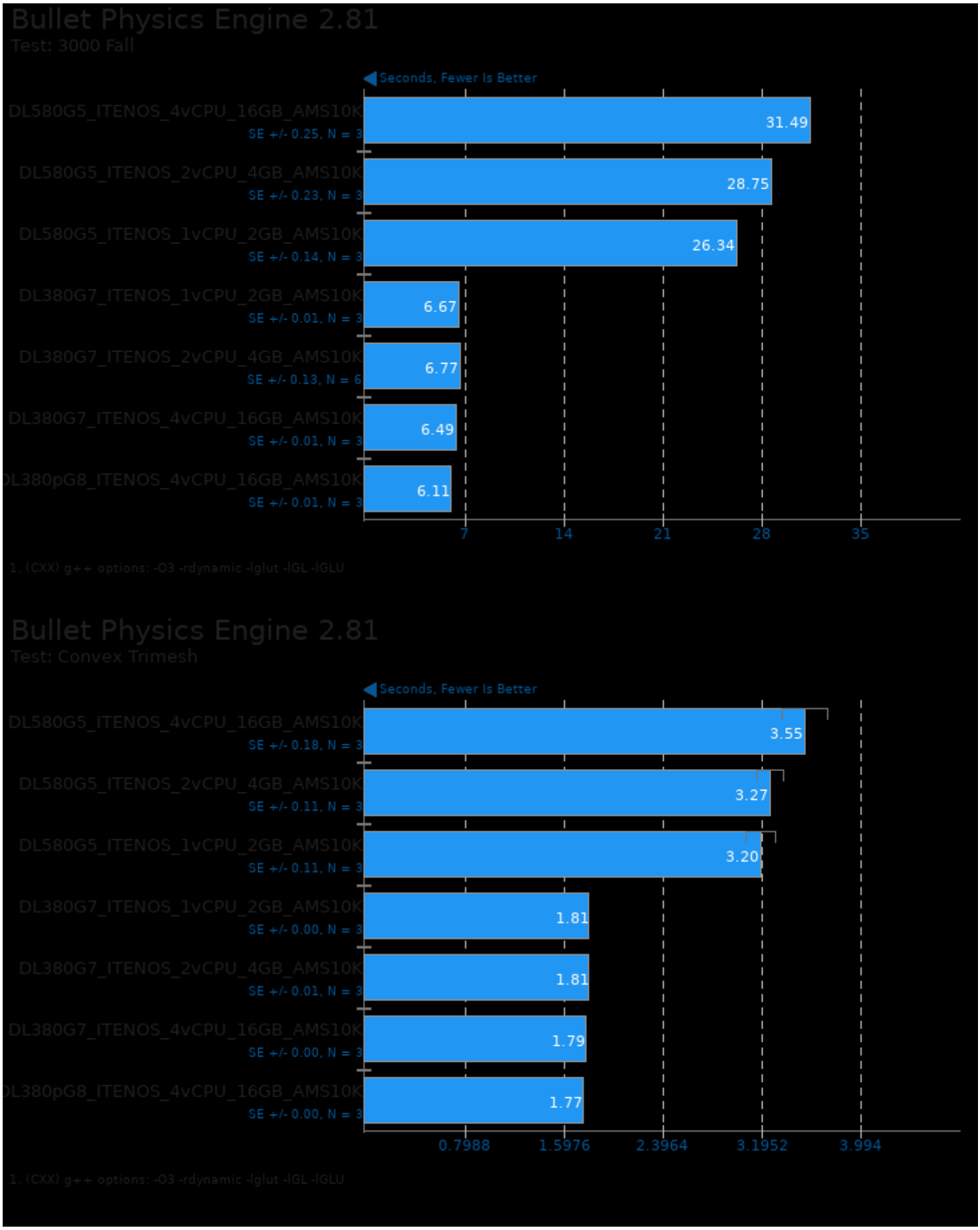


ESX_Host_Refresh

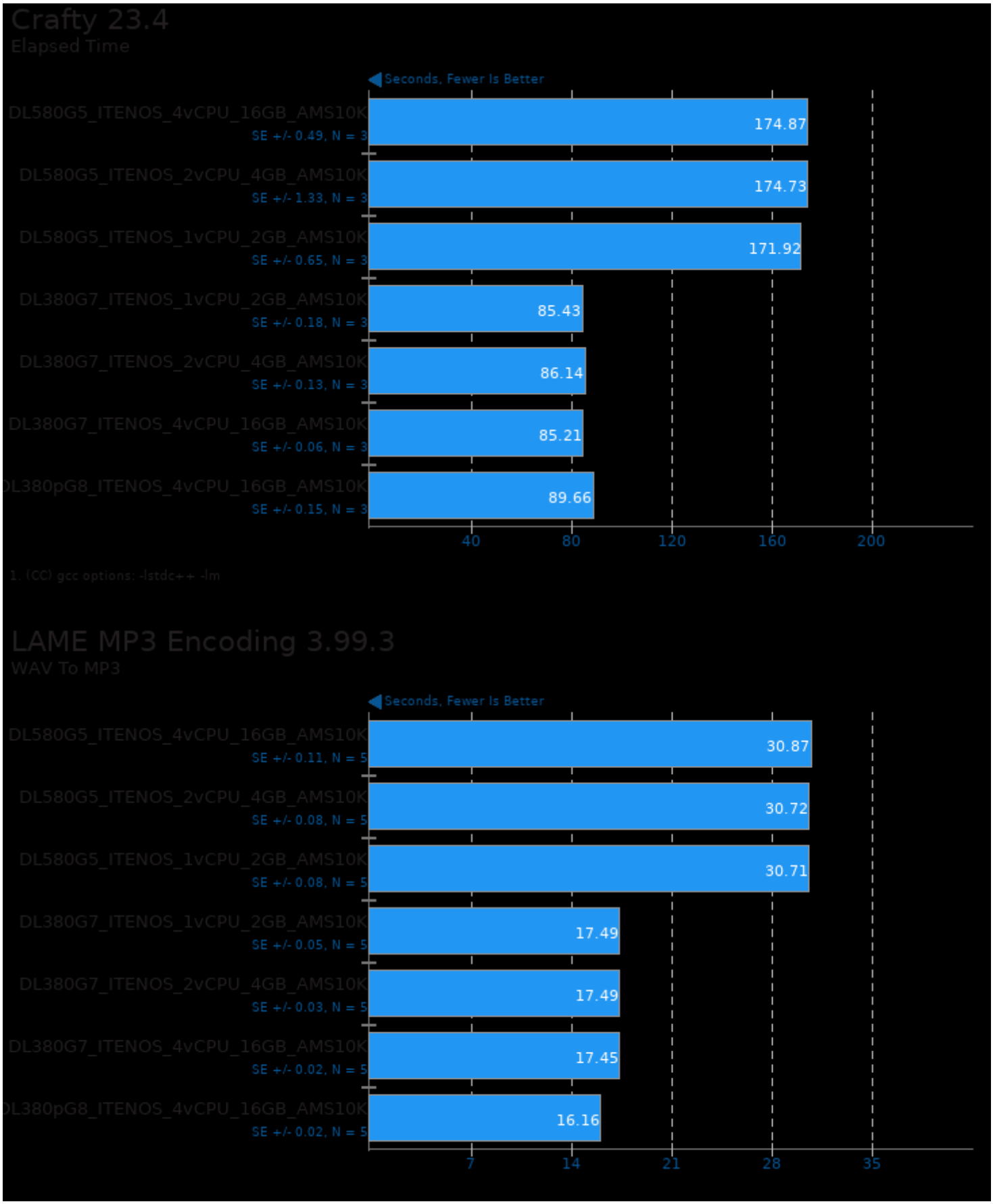


ESX_Host_Refresh

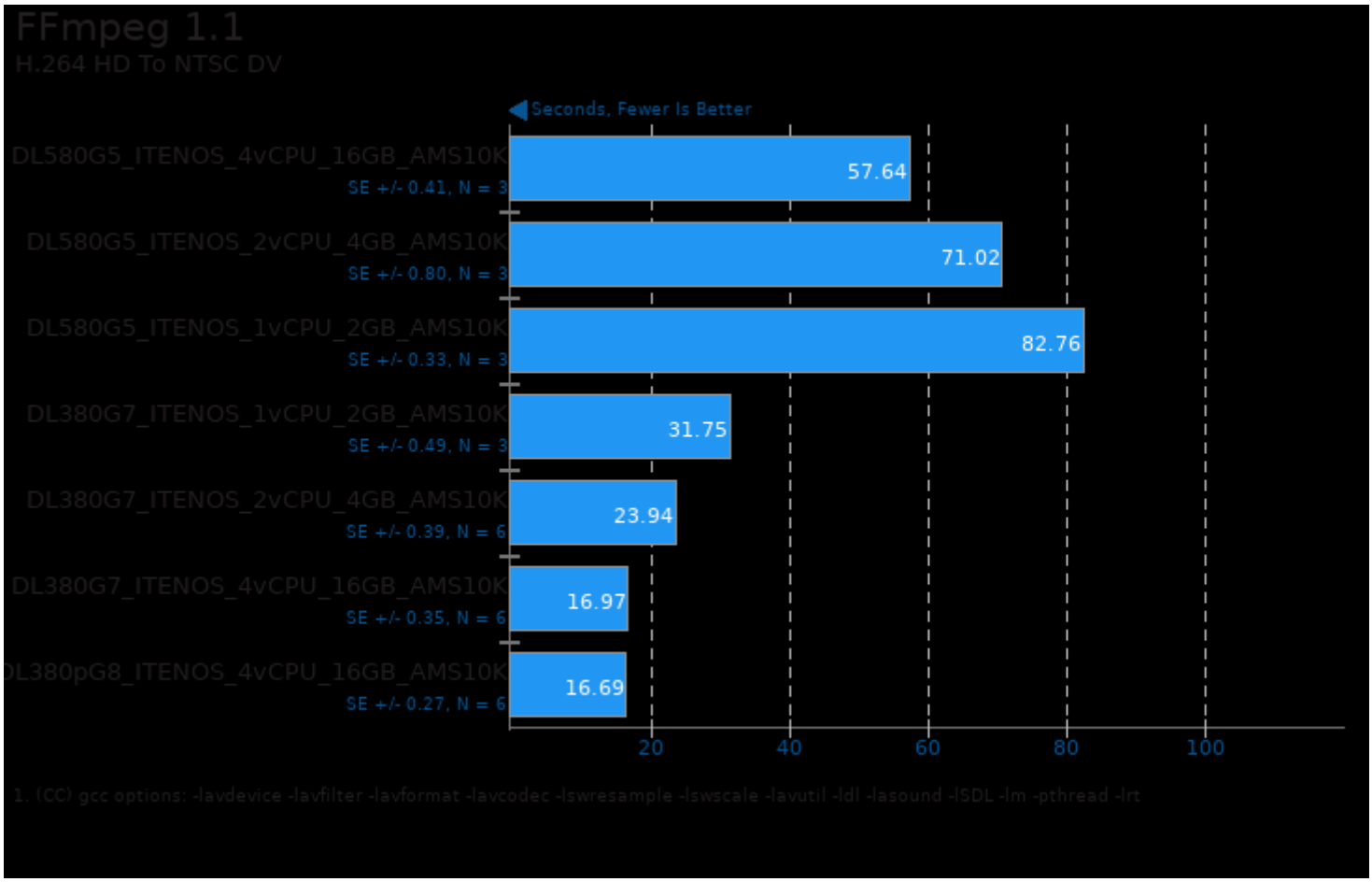



Bullet Physics Engine 2.81
Test: 3000 Fall
Seconds, Fewer Is Better
DL580G5_ITENOS_4vCPU_16GB_AMS10K
SE +/- 0.25, N = 3
31.49
DL580G5_ITENOS_2vCPU_4GB_AMS10K
SE +/- 0.23, N = 3
28.75
DL580G5_ITENOS_1vCPU_2GB_AMS10K
SE +/- 0.14, N = 3
26.34
DL380G7_ITENOS_1vCPU_2GB_AMS10K
SE +/- 0.01, N = 3
6.67
DL380G7_ITENOS_2vCPU_4GB_AMS10K
SE +/- 0.13, N = 6
6.77
DL380G7_ITENOS_4vCPU_16GB_AMS10K
SE +/- 0.01, N = 3
6.49
DL380pG8_ITENOS_4vCPU_16GB_AMS10K
SE +/- 0.01, N = 3
6.11
7
14
21
28
35
1. (CXX) g++ options: -O3 -rdynamic -lglut -lGL -lGLU
Bullet Physics Engine 2.81
Test: Convex Trimesh
Seconds, Fewer Is Better
DL580G5_ITENOS_4vCPU_16GB_AMS10K
SE +/- 0.18, N = 3
3.55
DL580G5_ITENOS_2vCPU_4GB_AMS10K
SE +/- 0.11, N = 3
3.27
DL580G5_ITENOS_1vCPU_2GB_AMS10K
SE +/- 0.11, N = 3
3.20
DL380G7_ITENOS_1vCPU_2GB_AMS10K
SE +/- 0.00, N = 3
1.81
DL380G7_ITENOS_2vCPU_4GB_AMS10K
SE +/- 0.01, N = 3
1.81
DL380G7_ITENOS_4vCPU_16GB_AMS10K
SE +/- 0.00, N = 3
1.79
DL380pG8_ITENOS_4vCPU_16GB_AMS10K
SE +/- 0.00, N = 3
1.77
0.7988
1.5976
2.3964
3.1952
3.994
1. (CXX) g++ options: -O3 -rdynamic -lglut -lGL -lGLU

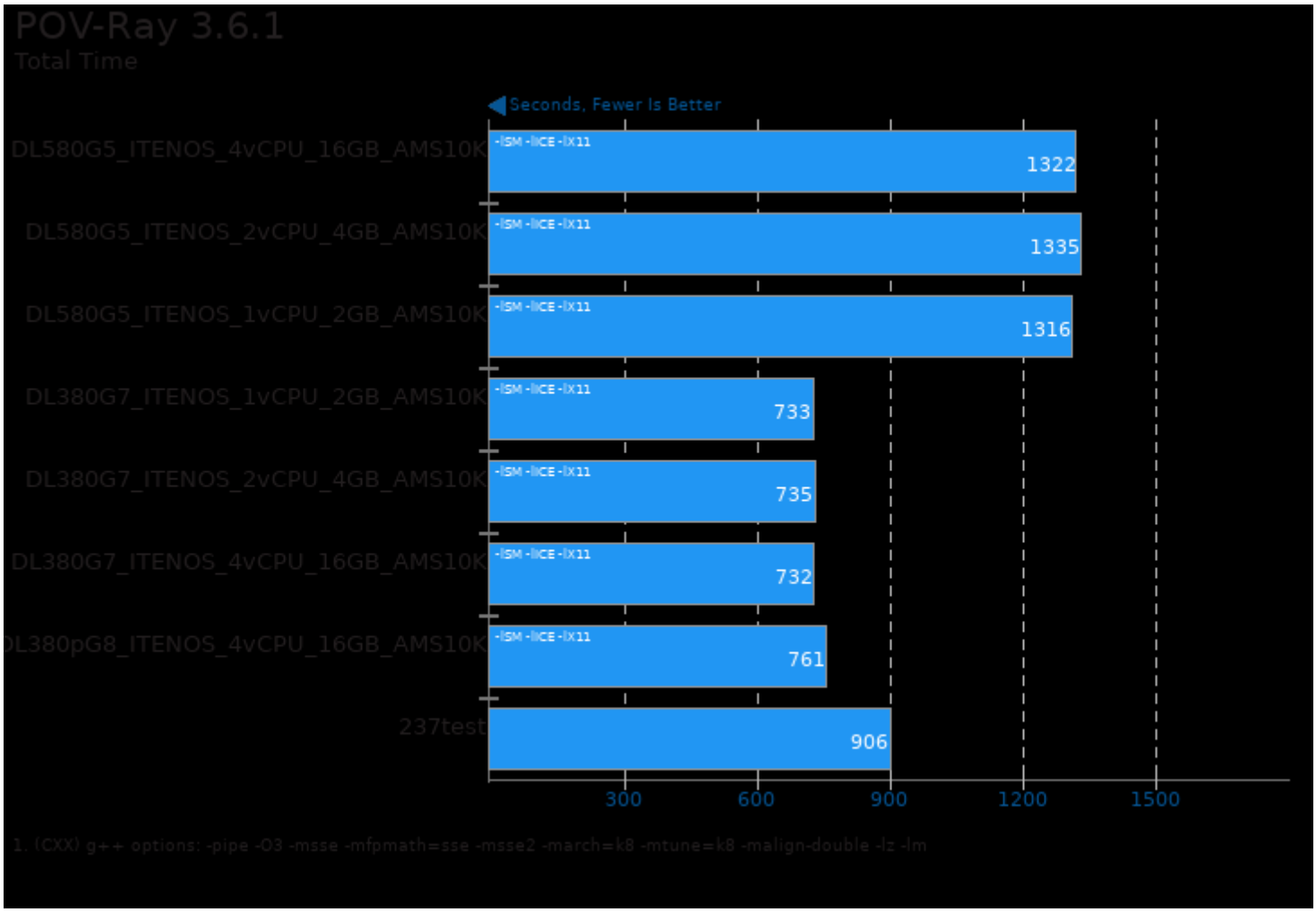
ESX_Host_Refresh

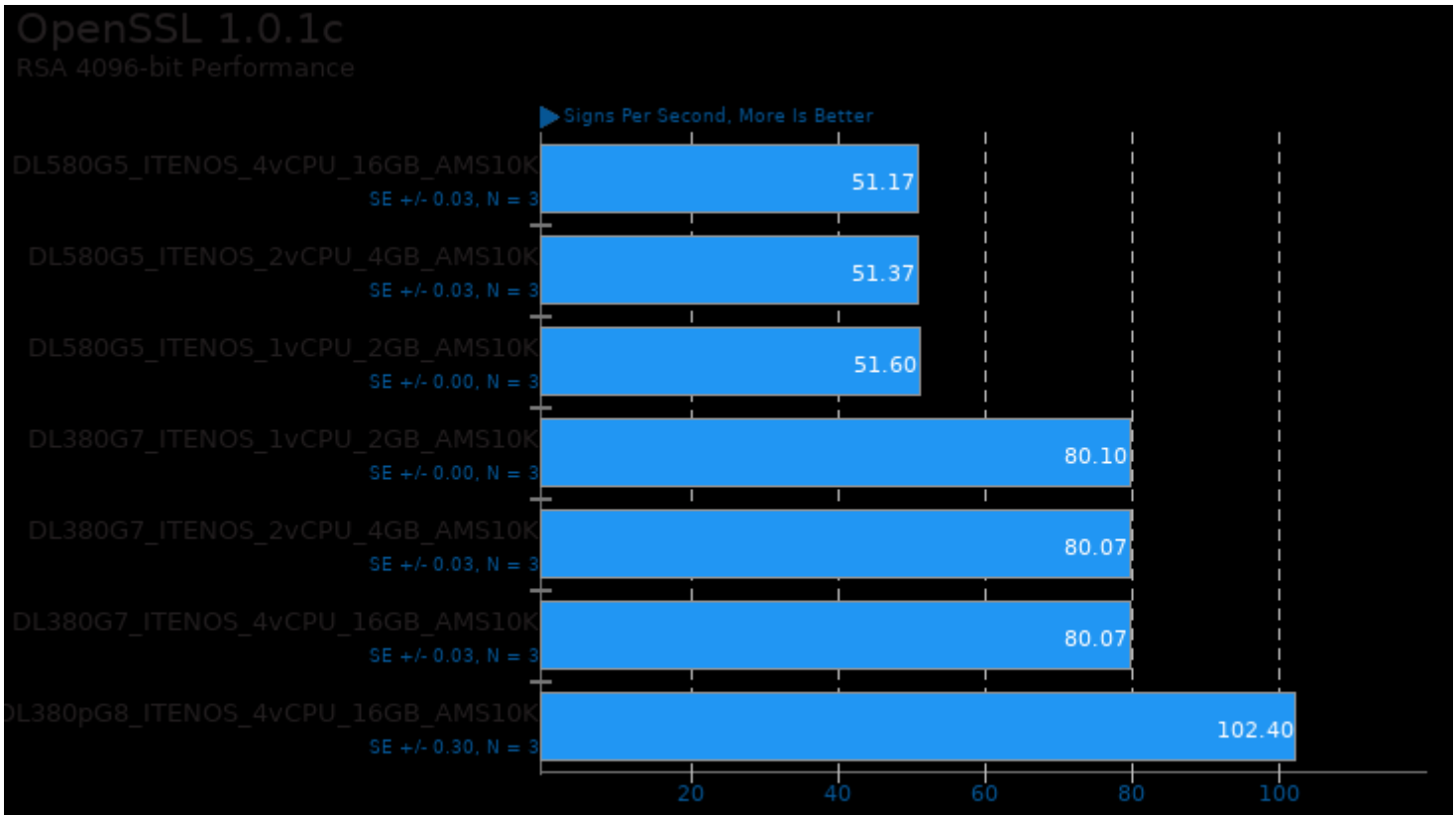


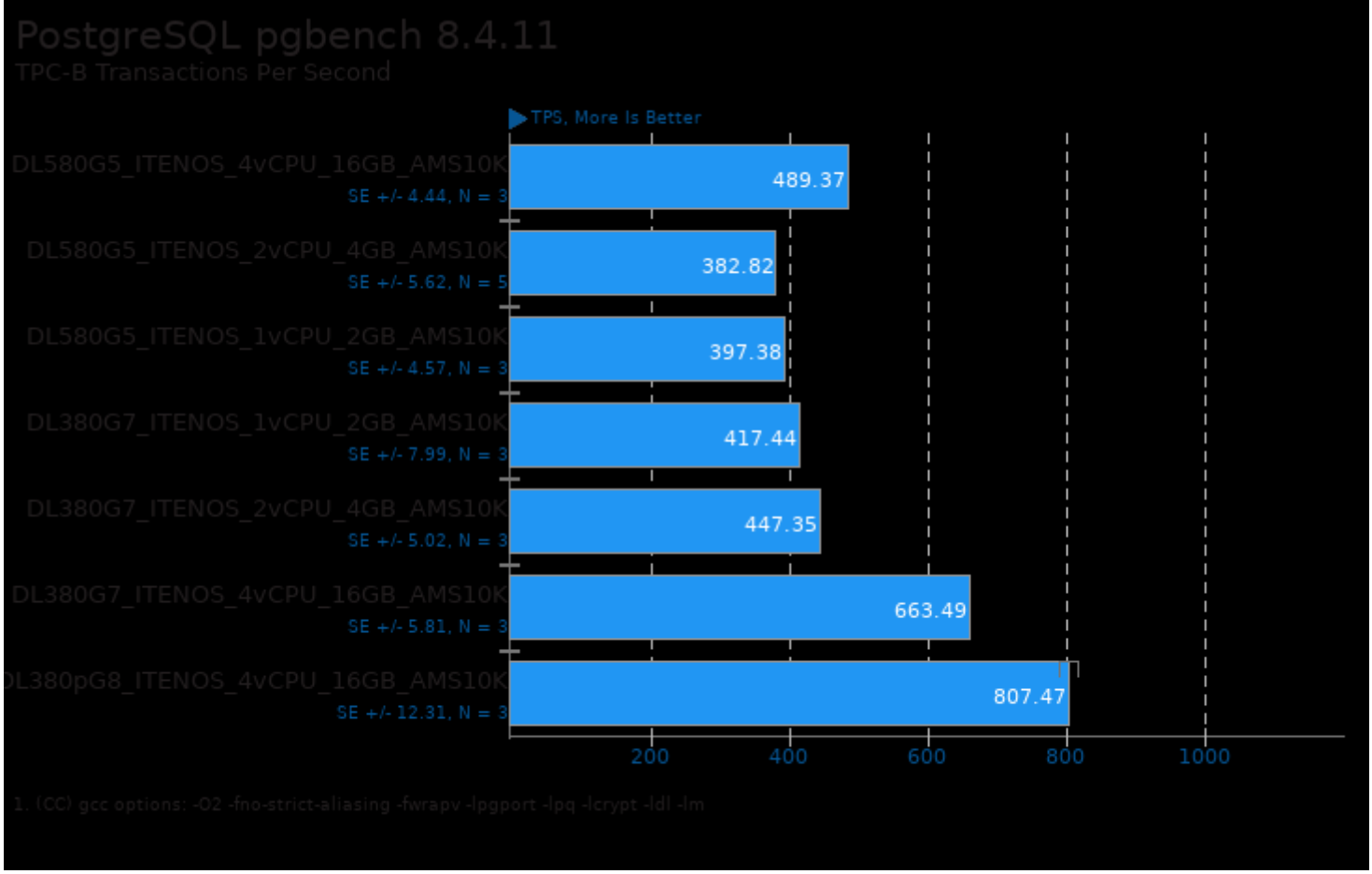
ESX_Host_Refresh

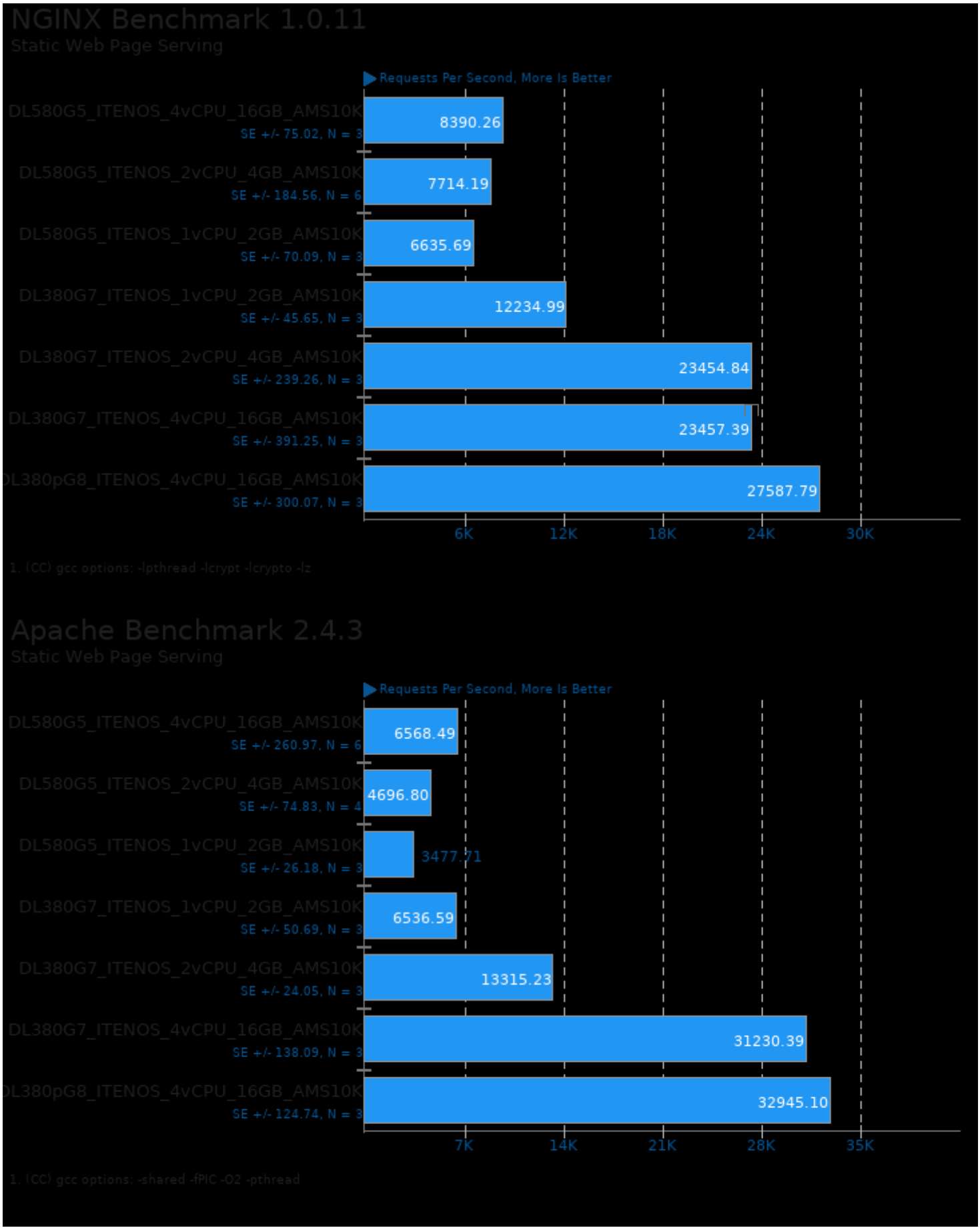


ESX_Host_Refresh

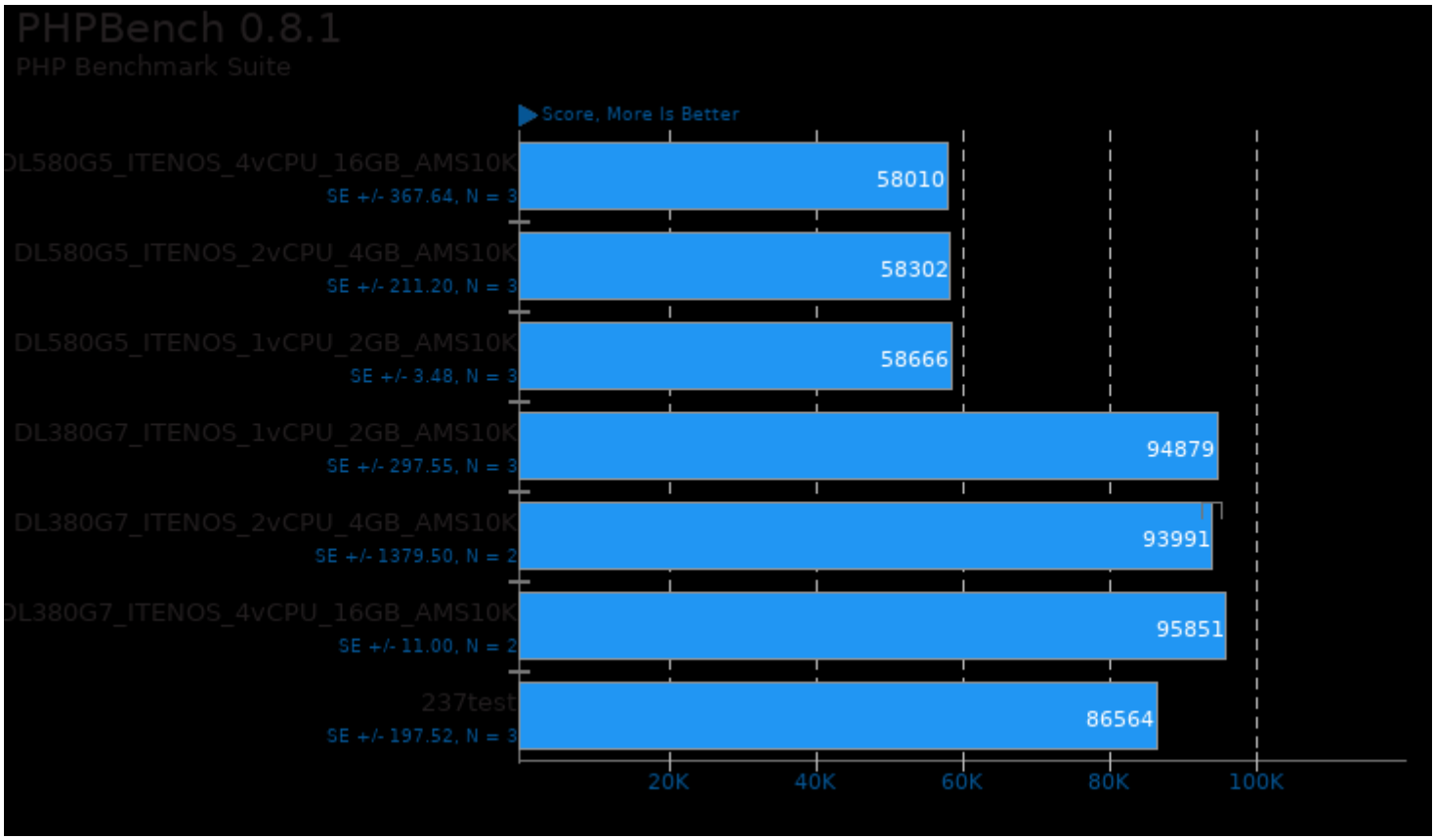



OpenSSL 1.0.1c
RSA 4096-bit Performance
Signs Per Second, More Is Better
DL580G5_ITENOS_4vCPU_16GB_AMS10K
SE +/- 0.03, N = 3
51.17
DL580G5_ITENOS_2vCPU_4GB_AMS10K
SE +/- 0.03, N = 3
51.37
DL580G5_ITENOS_1vCPU_2GB_AMS10K
SE +/- 0.00, N = 3
51.60
DL380G7_ITENOS_1vCPU_2GB_AMS10K
SE +/- 0.00, N = 3
80.10
DL380G7_ITENOS_2vCPU_4GB_AMS10K
SE +/- 0.03, N = 3
80.07
DL380G7_ITENOS_4vCPU_16GB_AMS10K
SE +/- 0.03, N = 3
80.07
DL380pG8_ITENOS_4vCPU_16GB_AMS10K
SE +/- 0.30, N = 3
102.40
20
40
60
80
100
1. (CC) gcc options: -m64 -O3 -lssl -lcrypto -ldl


PostgreSQL pgbench 8.4.11
TPC-B Transactions Per Second
TPS, More Is Better
DL580G5_ITENOS_4vCPU_16GB_AMS10K
SE +/- 4.44, N = 3
489.37
DL580G5_ITENOS_2vCPU_4GB_AMS10K
SE +/- 5.62, N = 5
382.82
DL580G5_ITENOS_1vCPU_2GB_AMS10K
SE +/- 4.57, N = 3
397.38
DL380G7_ITENOS_1vCPU_2GB_AMS10K
SE +/- 7.99, N = 3
417.44
DL380G7_ITENOS_2vCPU_4GB_AMS10K
SE +/- 5.02, N = 3
447.35
DL380G7_ITENOS_4vCPU_16GB_AMS10K
SE +/- 5.81, N = 3
663.49
DL380pG8_ITENOS_4vCPU_16GB_AMS10K
SE +/- 12.31, N = 3
807.47
200
400
600
800
1000
1. (CC) gcc options: -O2 -fno-strict-aliasing -fwrapv -lpgport -lpq -lcrypt -ldl -lm

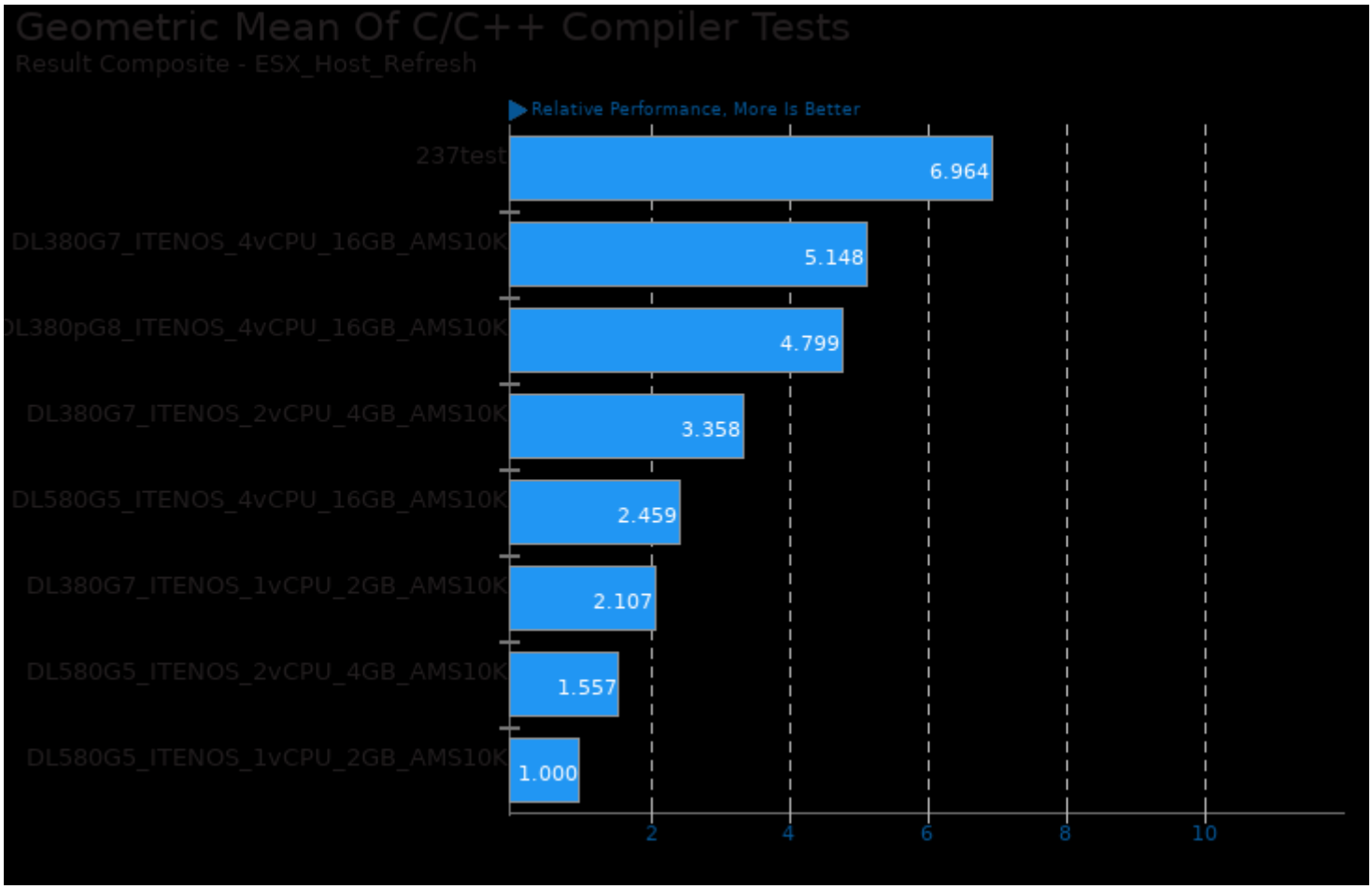

NGINX Benchmark 1.0.11
Static Web Page Serving
Requests Per Second, More Is Better
DL580G5_ITENOS_4vCPU_16GB_AMS10K
SE +/- 75.02, N = 3
8390.26
DL580G5_ITENOS_2vCPU_4GB_AMS10K
SE +/- 184.56, N = 6
7714.19
DL580G5_ITENOS_1vCPU_2GB_AMS10K
SE +/- 70.09, N = 3
6635.69
DL380G7_ITENOS_1vCPU_2GB_AMS10K
SE +/- 45.65, N = 3
12234.99
DL380G7_ITENOS_2vCPU_4GB_AMS10K
SE +/- 239.26, N = 3
23454.84
DL380G7_ITENOS_4vCPU_16GB_AMS10K
SE +/- 391.25, N = 3
23457.39
DL380pG8_ITENOS_4vCPU_16GB_AMS10K
SE +/- 300.07, N = 3
27587.79
6K
12K
18K
24K
30K
1. (CC) gcc options: -lpthread -lcrypt -lcrypto -lz
Apache Benchmark 2.4.3
Static Web Page Serving
Requests Per Second, More Is Better
DL580G5_ITENOS_4vCPU_16GB_AMS10K
SE +/- 260.97, N = 6
6568.49
DL580G5_ITENOS_2vCPU_4GB_AMS10K
SE +/- 74.83, N = 4
4696.80
DL580G5_ITENOS_1vCPU_2GB_AMS10K
SE +/- 26.18, N = 3
3477.71
DL380G7_ITENOS_1vCPU_2GB_AMS10K
SE +/- 50.69, N = 3
6536.59
DL380G7_ITENOS_2vCPU_4GB_AMS10K
SE +/- 24.05, N = 3
13315.23
DL380G7_ITENOS_4vCPU_16GB_AMS10K
SE +/- 138.09, N = 3
31230.39
DL380pG8_ITENOS_4vCPU_16GB_AMS10K
SE +/- 124.74, N = 3
32945.10
7K
14K
21K
28K
35K
1. (CC) gcc options: -shared -fPIC -O2 -pthread

ESX_Host_Refresh



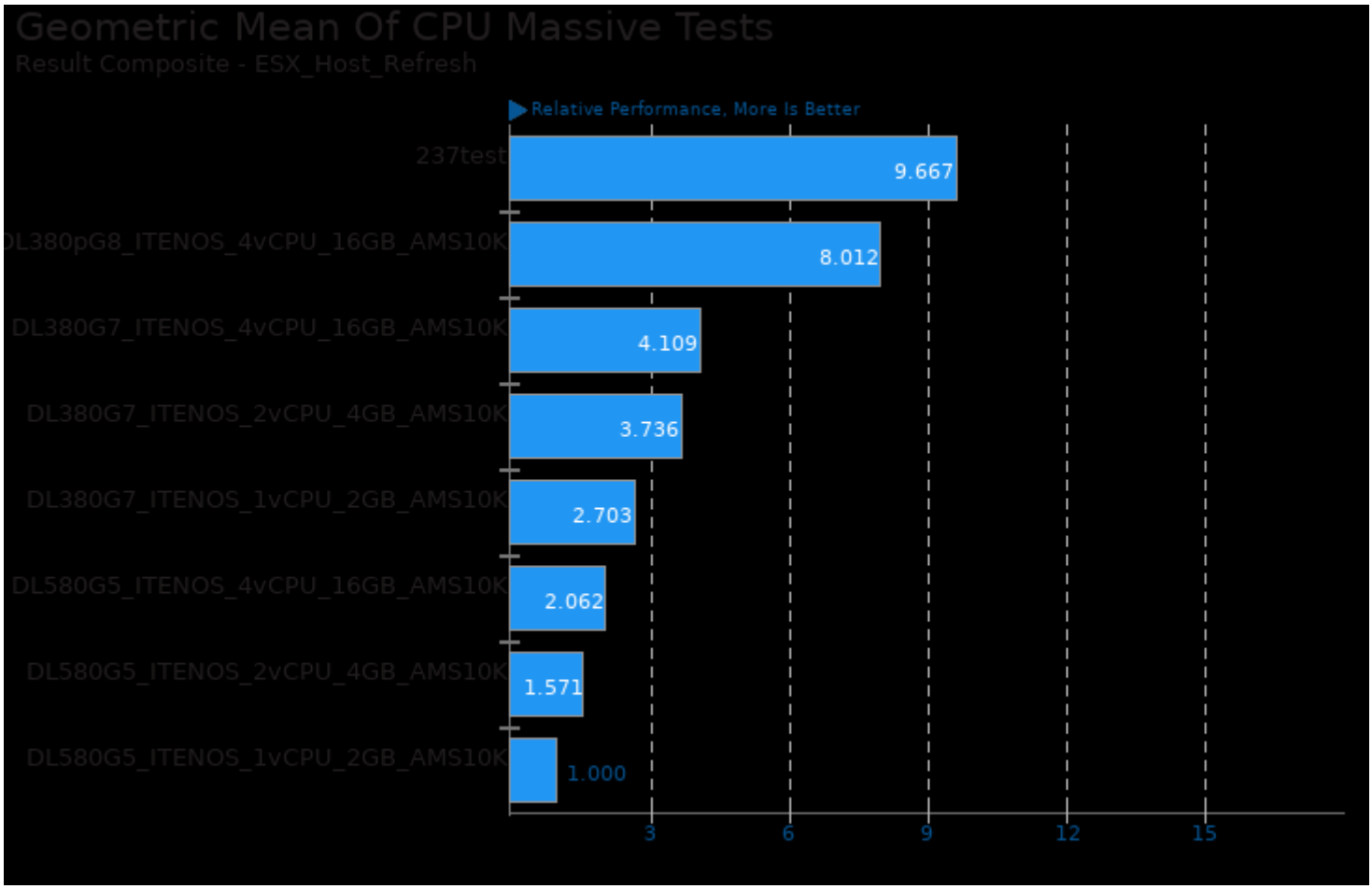
ESX_Host_Refresh

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



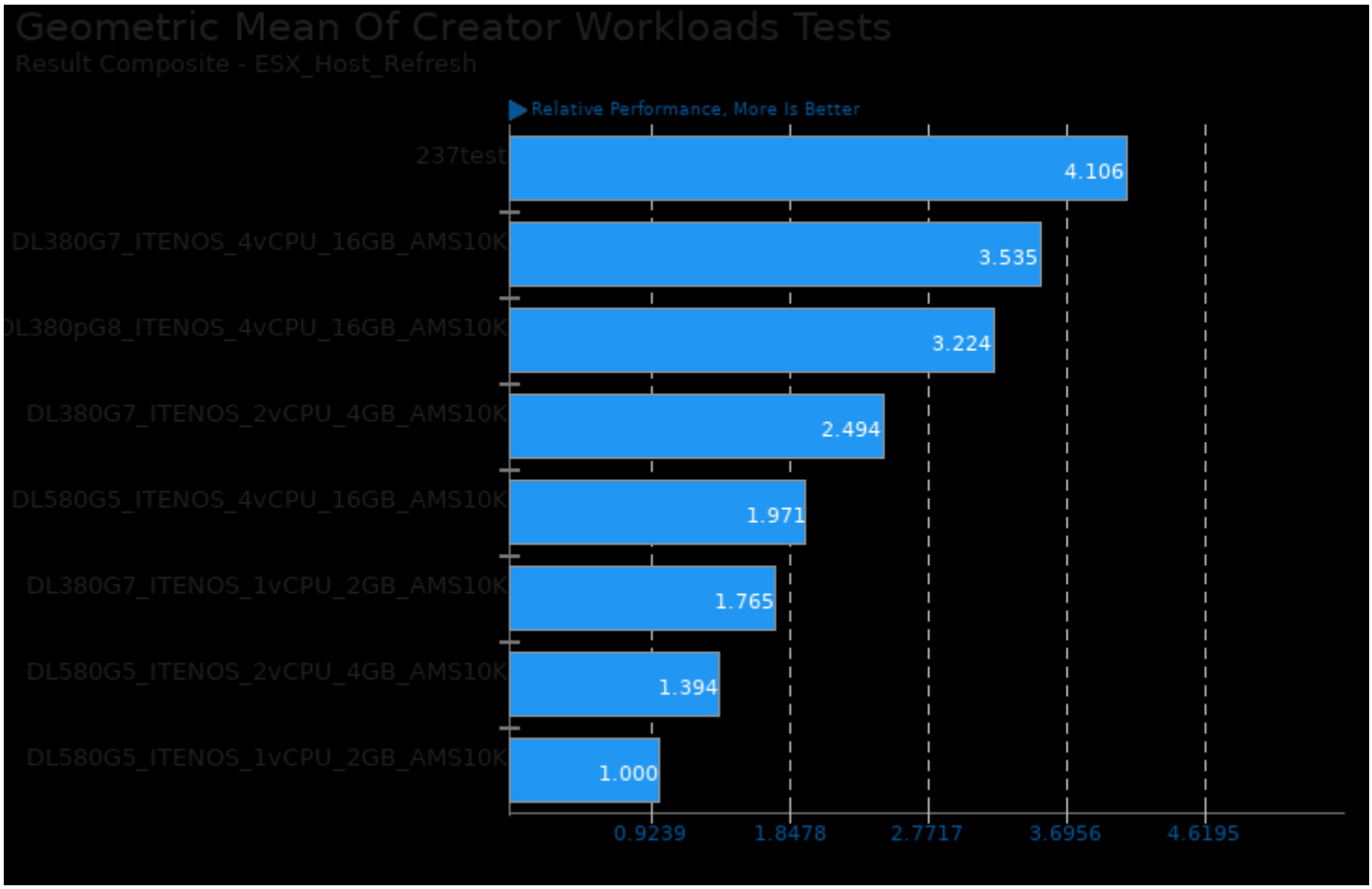
Geometric mean based upon tests: pts/mafft, pts/graphics-magick, pts/himeno, pts/hmmer, pts/c-ray, pts/bullet, pts/encode-mp3, pts/pgbench, pts/apache, pts/john-the-ripper, pts/openssl and pts/nginx

ESX_Host_Refresh



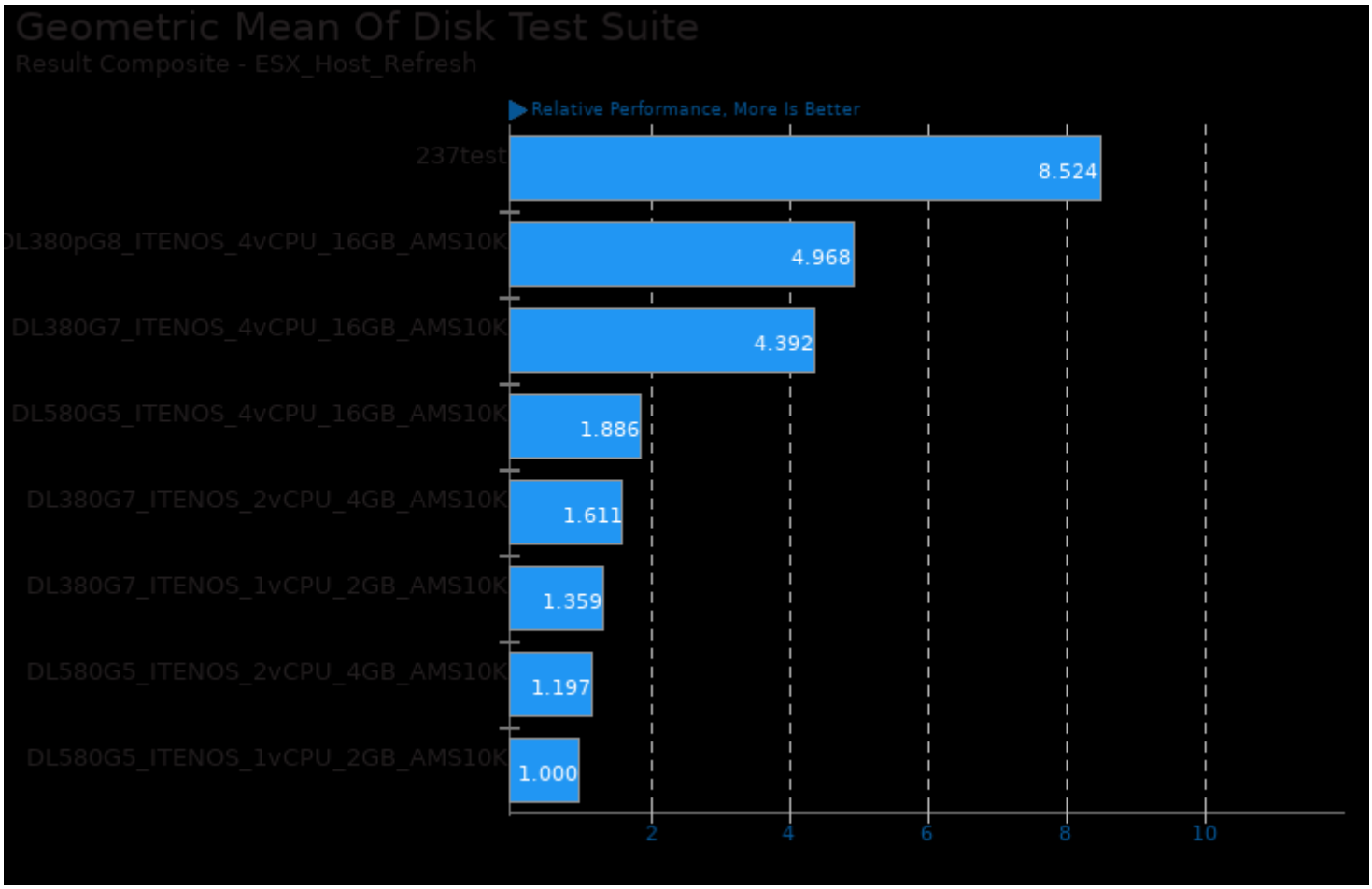
Geometric mean based upon tests: pts/apache, pts/c-ray, pts/cachebench, pts/compress-pbzip2, pts/crafty, pts/encode-mp3, pts/graphics-magick, pts/himeno, pts/hmmer, pts/java-scimark2, pts/john-the-ripper, pts/openssl, pts/mafft, pts/nginx, pts/pgbench, pts/phpbench, pts/povray and pts/stream

ESX_Host_Refresh



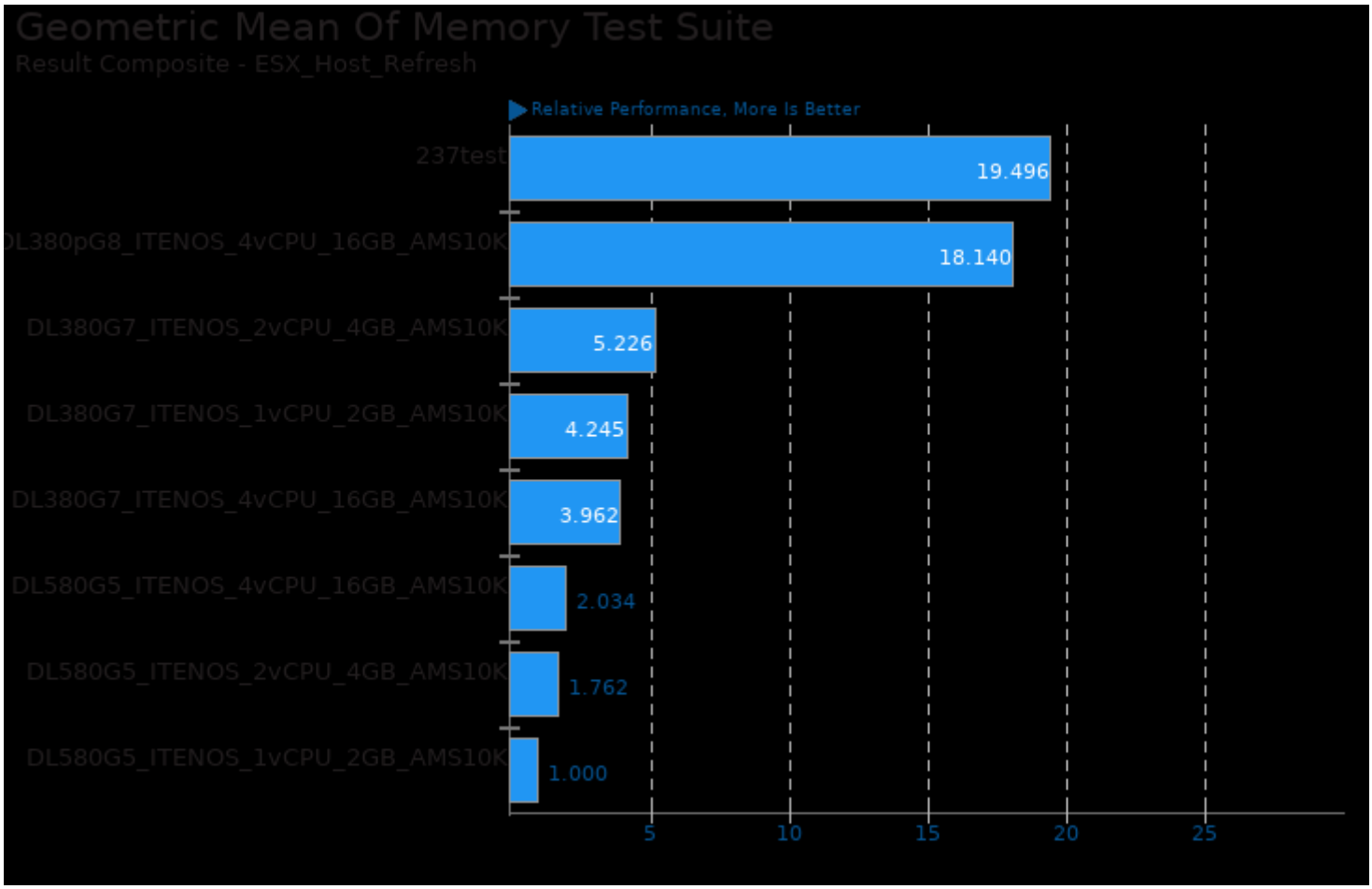
Geometric mean based upon tests: pts/c-ray, pts/povray, pts/ffmpeg, pts/encode-mp3 and pts/graphics-magick

ESX_Host_Refresh



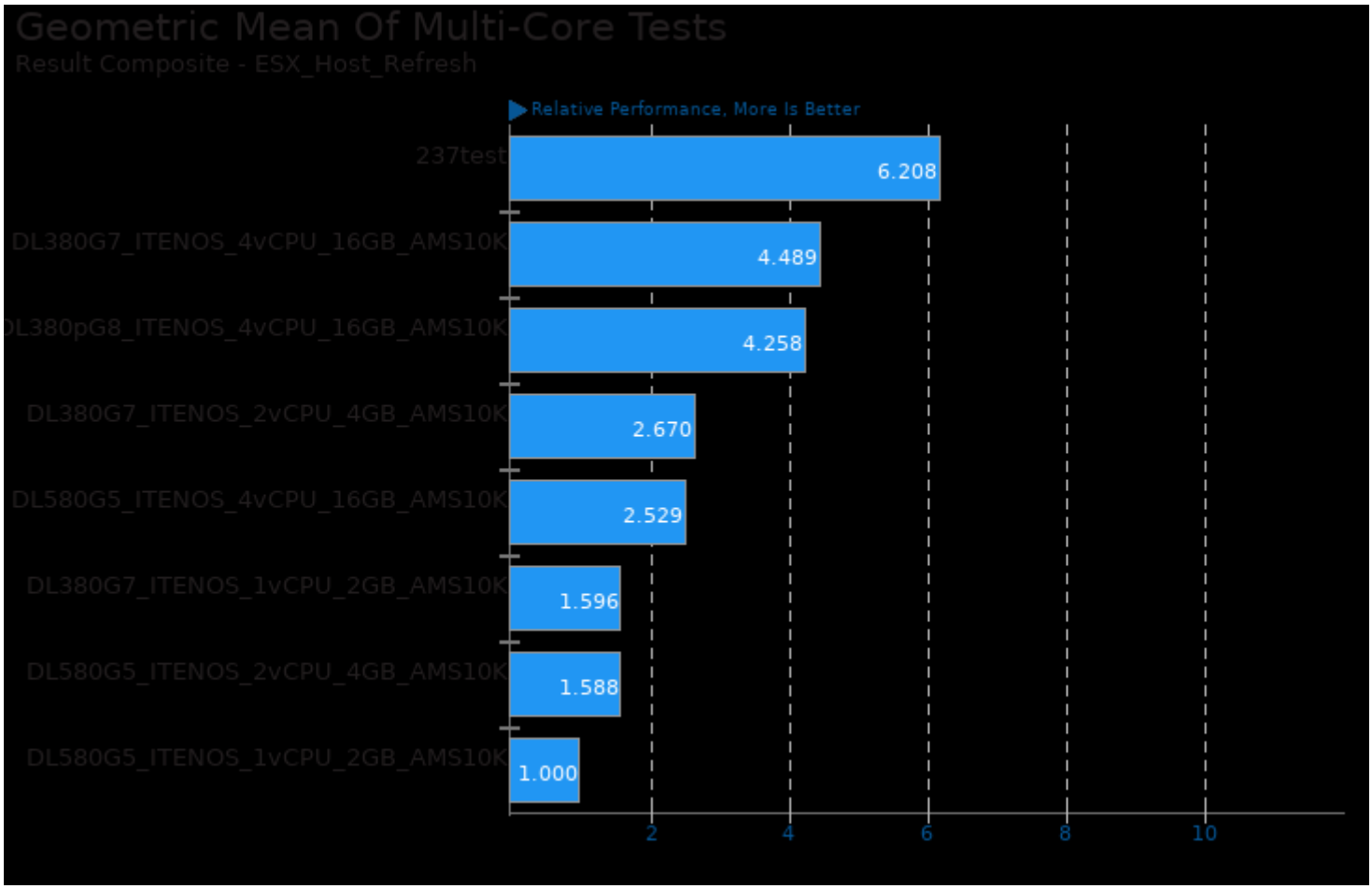
Geometric mean based upon tests: pts/sqlite, pts/iozone and pts/postmark

ESX_Host_Refresh



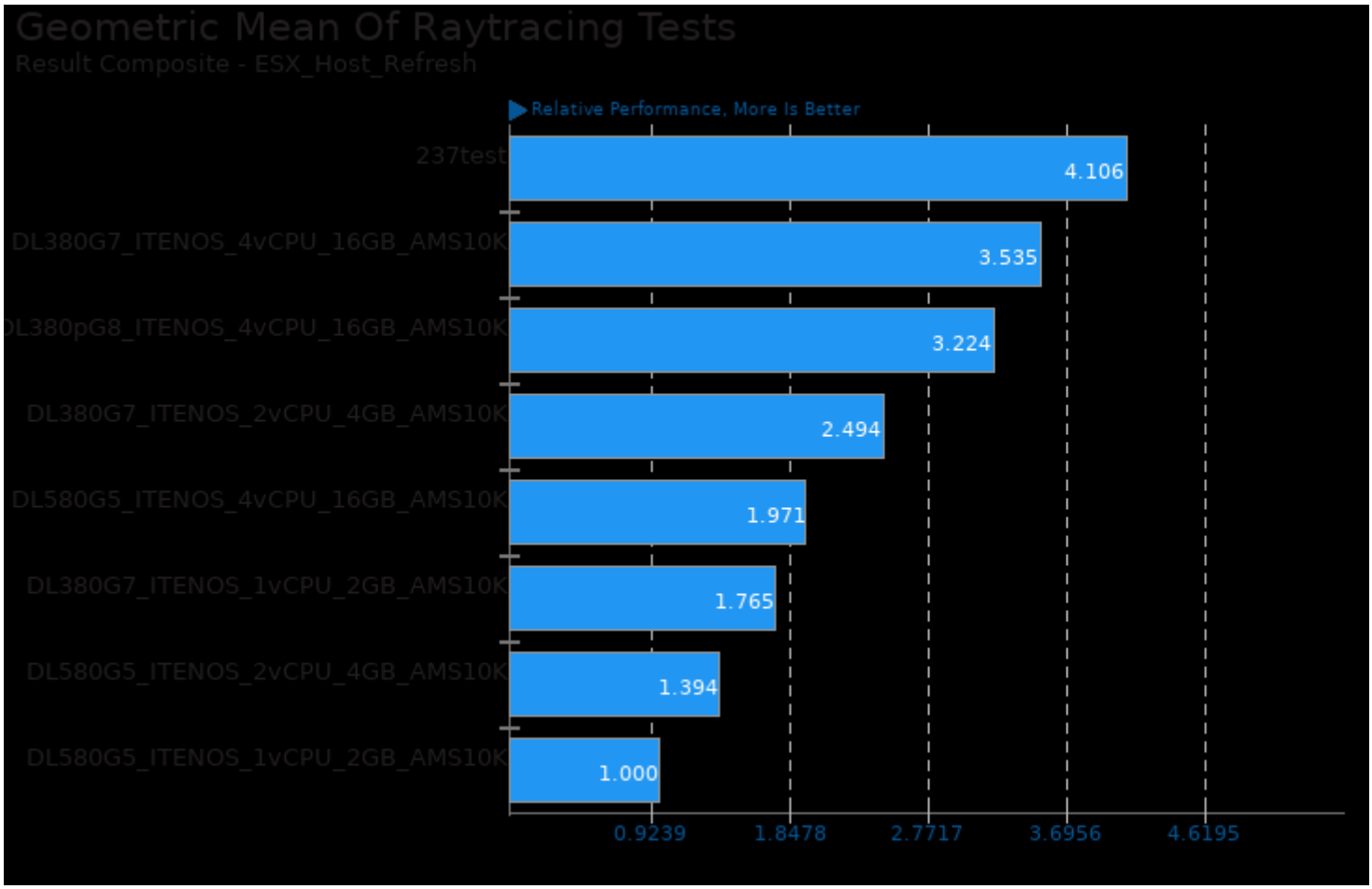
Geometric mean based upon tests: pts/stream and pts/cachebench

ESX_Host_Refresh



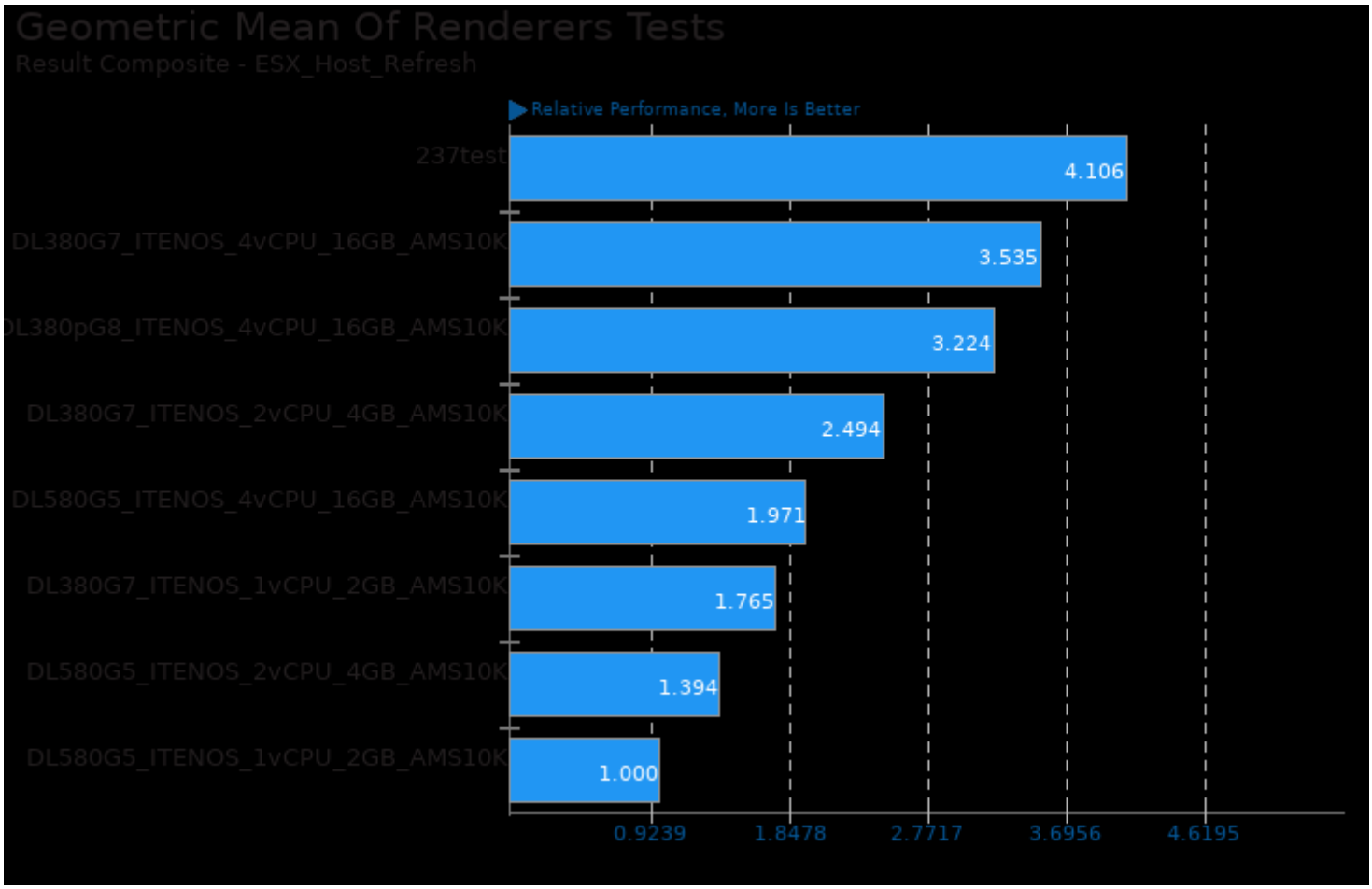
Geometric mean based upon tests: pts/c-ray, pts/povray, pts/ffmpeg, pts/john-the-ripper, pts/graphics-magick, pts/compress-pbzip2 and pts/pgbench

ESX_Host_Refresh



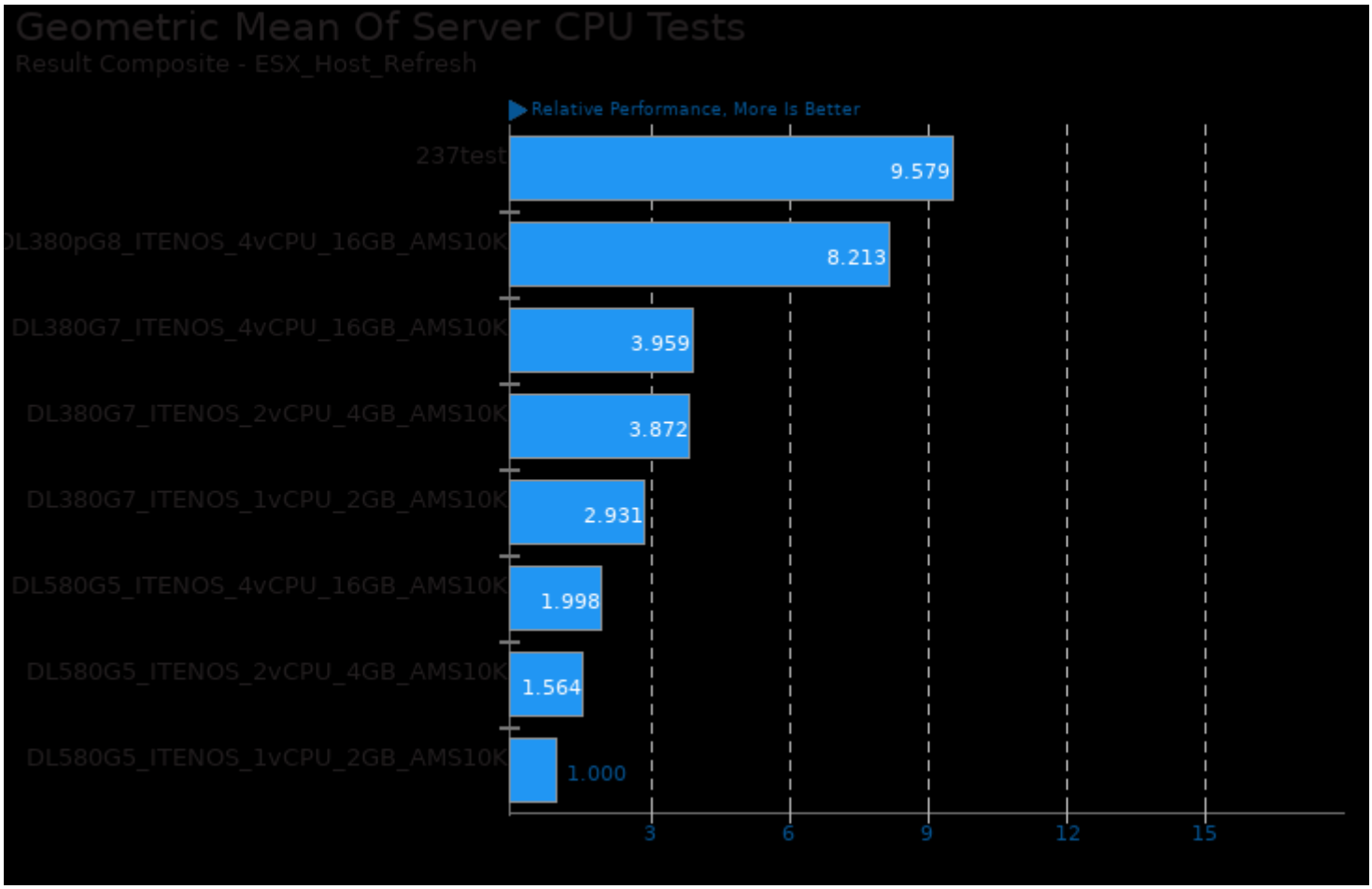
Geometric mean based upon tests: pts/c-ray and pts/povray

ESX_Host_Refresh



Geometric mean based upon tests: pts/c-ray and pts/povray

ESX_Host_Refresh



Geometric mean based upon tests: pts/john-the-ripper, pts/himeno, pts/c-ray, pts/povray, pts/openssl, pts/phpbench and pts/stream

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 05:52.