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Intel Sandy Bridge Laptop Power

Intel Core i5-2520M testing with a HP 161C and Intel Sandybridge Mobile (GT2+) on Ubuntu 12.04 via the Phoronix Test Suite.

Automated Executive Summary

Ubuntu 12.04 LTS - Stock had the most wins, coming in first place for 60% of the tests.

Based on the geometric mean of all complete results, the fastest (Ubuntu 12.04 LTS - Stock) was 1.003x the speed of the slowest (Ubuntu 12.04 LTS - PowerTop 2.1).

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

Timed Linux Kernel Compilation (System Power Consumption Monitor) at 4.911x
OpenArena (System Power Consumption Monitor) at 3.808x
C-Ray (System Power Consumption Monitor) at 3.779x
Xonotic (System Power Consumption Monitor) at 3.539x
Nexuiz (System Power Consumption Monitor) at 3.175x
PostMark (System Power Consumption Monitor) at 2.679x
C-Ray (CPU Temperature Monitor) at 1.473x
Timed Linux Kernel Compilation (CPU Temperature Monitor) at 1.473x
Timed Idle (System Power Consumption Monitor) at 1.472x

OpenArena (CPU Temperature Monitor) at 1.408x.

Test Systems:

Ubuntu 12.04 LTS - Stock

Ubuntu 12.04 LTS - PowerTop 2.1

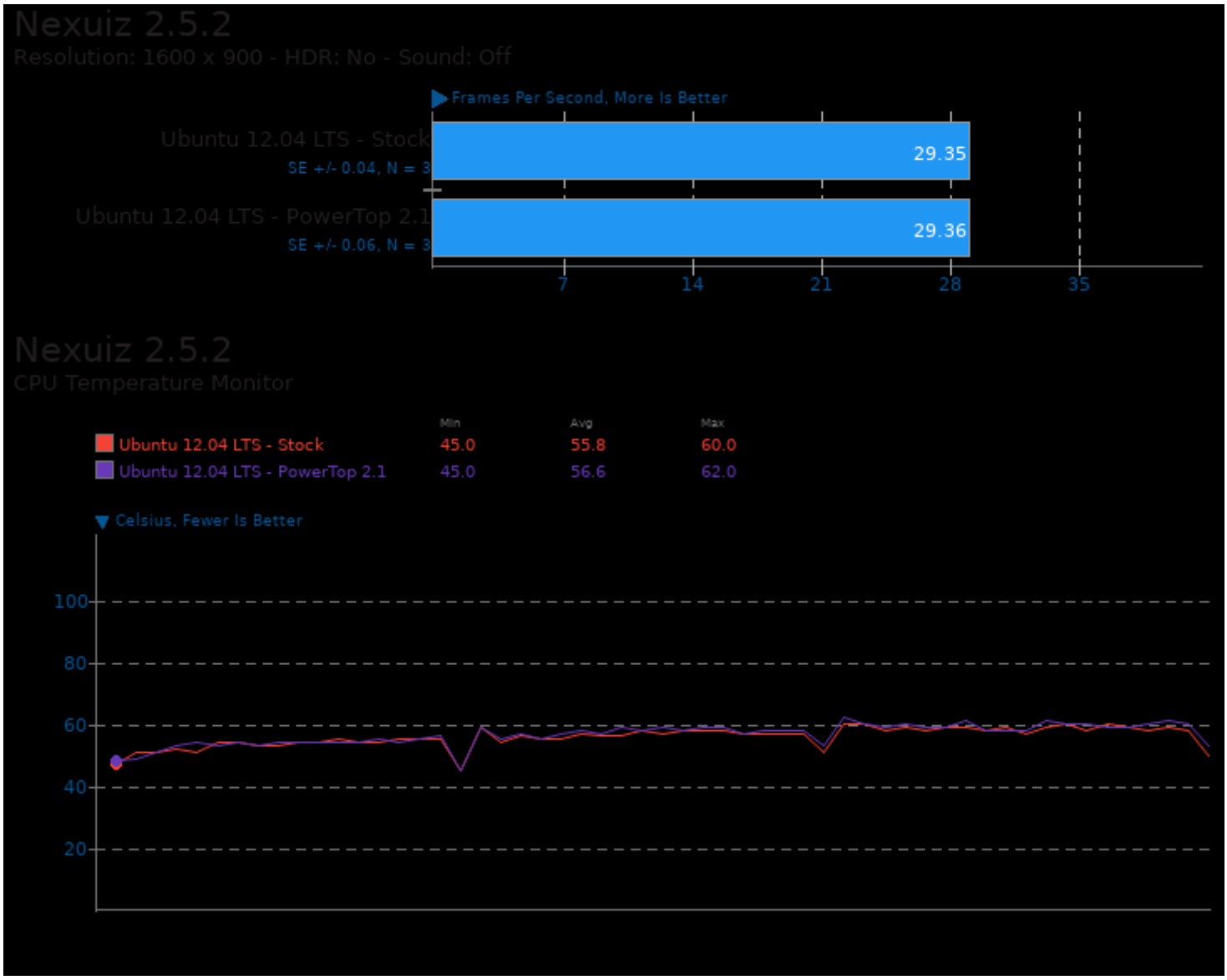
Processor: Intel Core i5-2520M @ 2.50GHz (4 Cores), Motherboard: HP 161C, Chipset: Intel 2nd Generation Core Family DRAM, Memory: 4096MB, Disk: 160GB INTEL SSDSA2M160, Graphics: Intel Sandybridge Mobile (GT2+), Audio: IDT 92HD81B1X5, Network: Intel 82579LM Gigabit Connection + Intel Centrino Advanced-N 6205

OS: Ubuntu 12.04, Kernel: 3.2.0-23-generic (x86_64), Desktop: Unity 5.10.0, Display Server: X Server 1.11.3, Display Driver: intel 2.17.0, OpenGL: 3.0 Mesa 8.0.2, Compiler: GCC 4.6, File-System: ext4, Screen Resolution: 1600x900

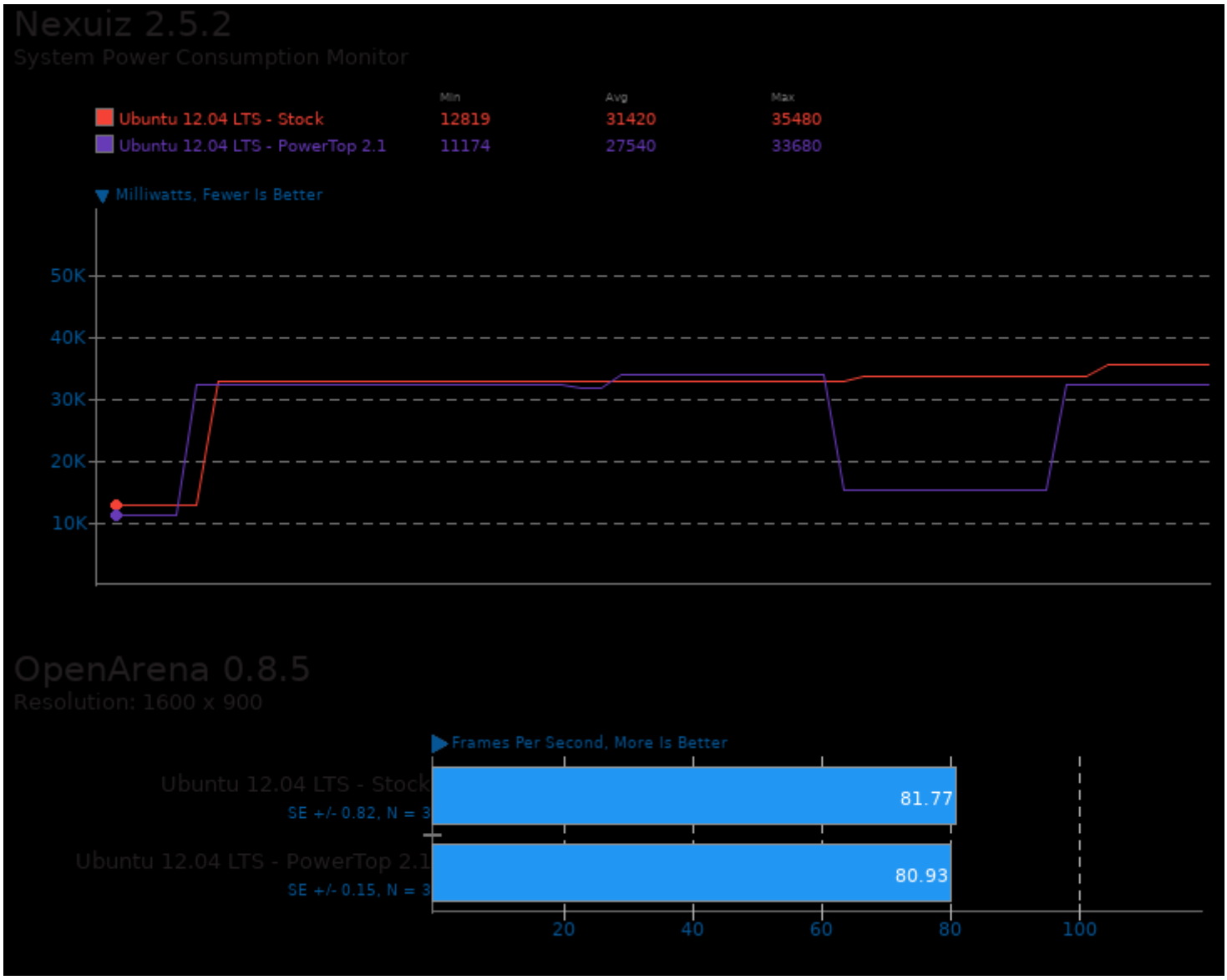
Compiler Notes: --build=x86_64-linux-gnu --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-languages=c,c++,fortran,objc,obj-c++ --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-arch-32=i686 --with-tune=generic -v
Processor Notes: Scaling Governor: ondemand
Graphics Notes: UXA
System Notes: Compiz was running on this system. This was running on battery power.

	Ubuntu 12.04 LTS - Stock	Ubuntu 12.04 LTS - PowerTop 2.1
Nexuiz - 1600 x 900 - No - Off (FPS)	**29.35**	**29.36**
Normalized	99.97%	100%
Standard Deviation	0.2%	0.3%
OpenArena - 1600 x 900 (FPS)	**81.77**	**80.93**
Normalized	100%	98.97%
Standard Deviation	1.7%	0.3%
Xonotic - 1600 x 900 - Low (FPS)	**61.41**	**61.40**
Normalized	100%	99.98%
Standard Deviation	0.1%	0%
C-Ray - Total Time (sec)	**115.69**	**115.63**
Normalized	99.95%	100%
Standard Deviation	0.1%	0%
Timed Linux Kernel Compilation - Time To Compile	**202.06**	**202.81**
Normalized	100%	99.63%
Standard Deviation	0.2%	0.6%

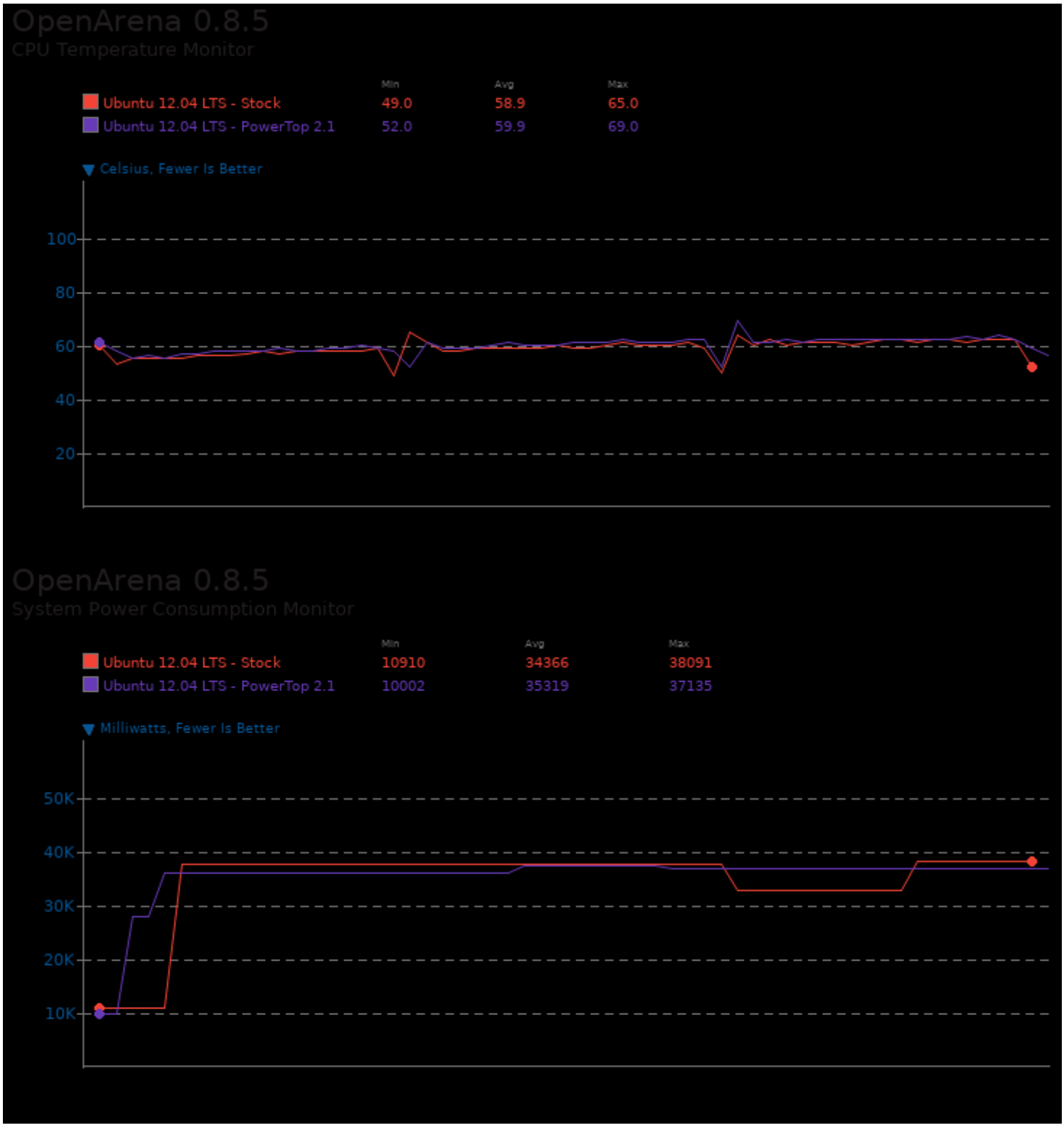
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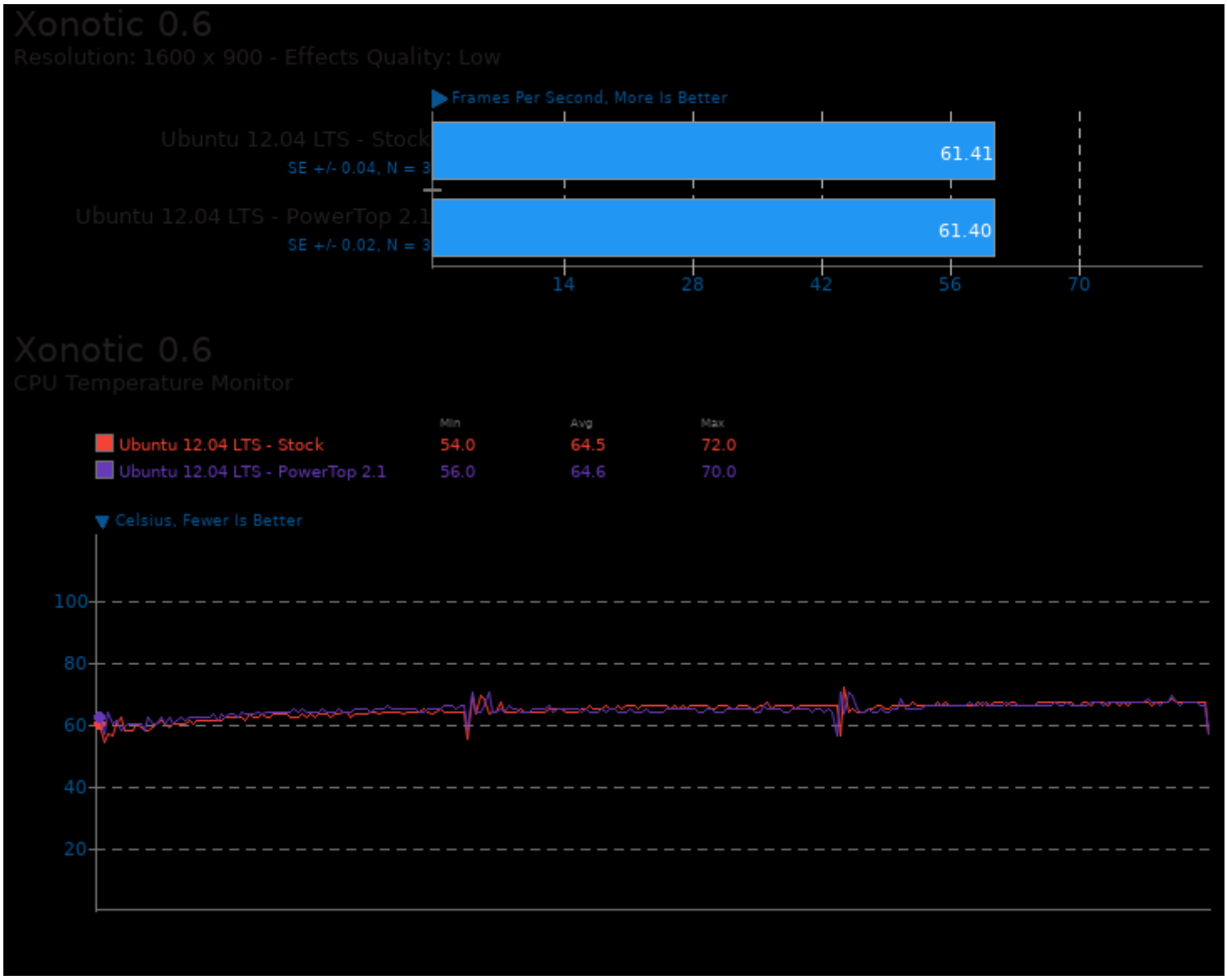
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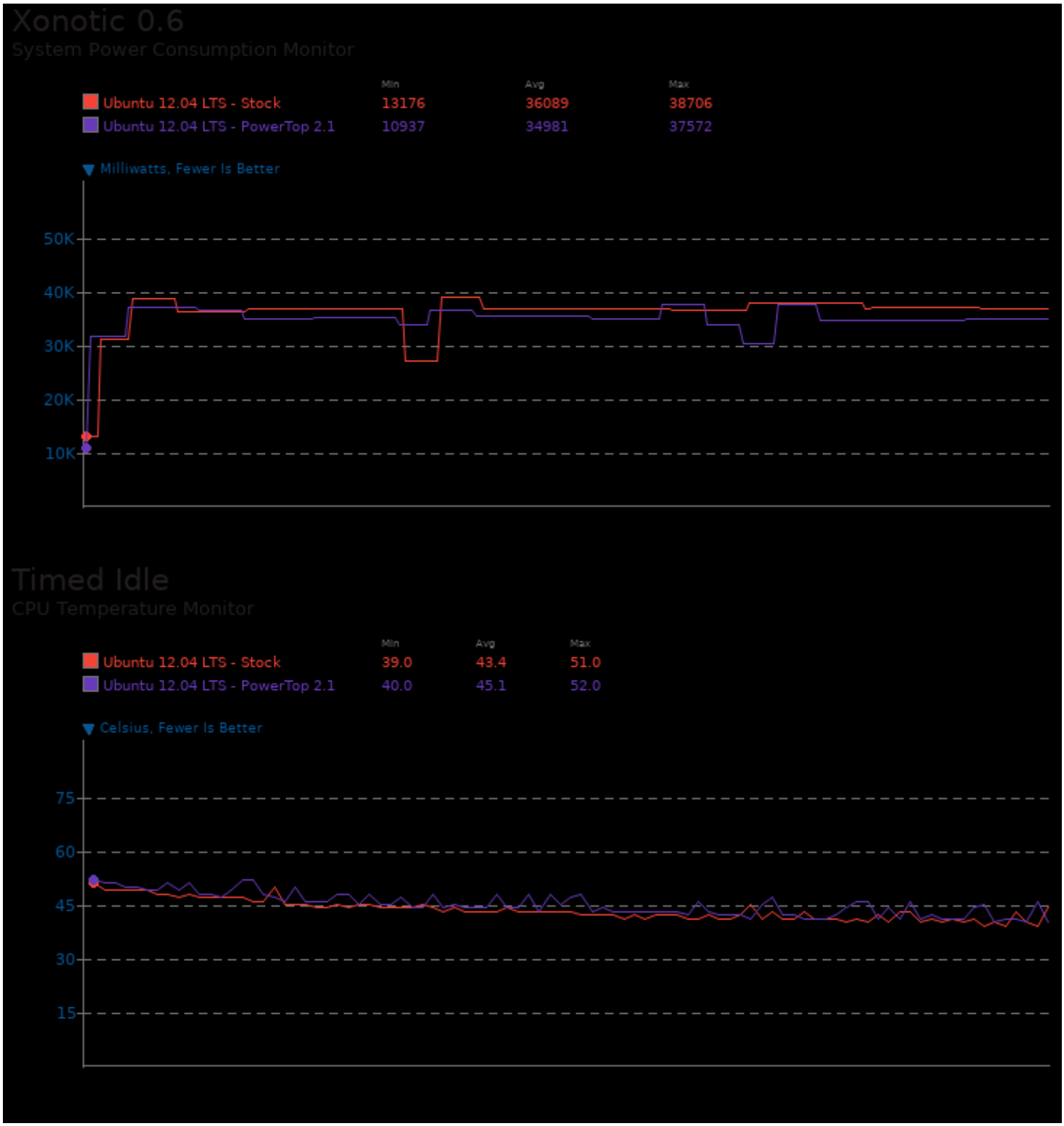
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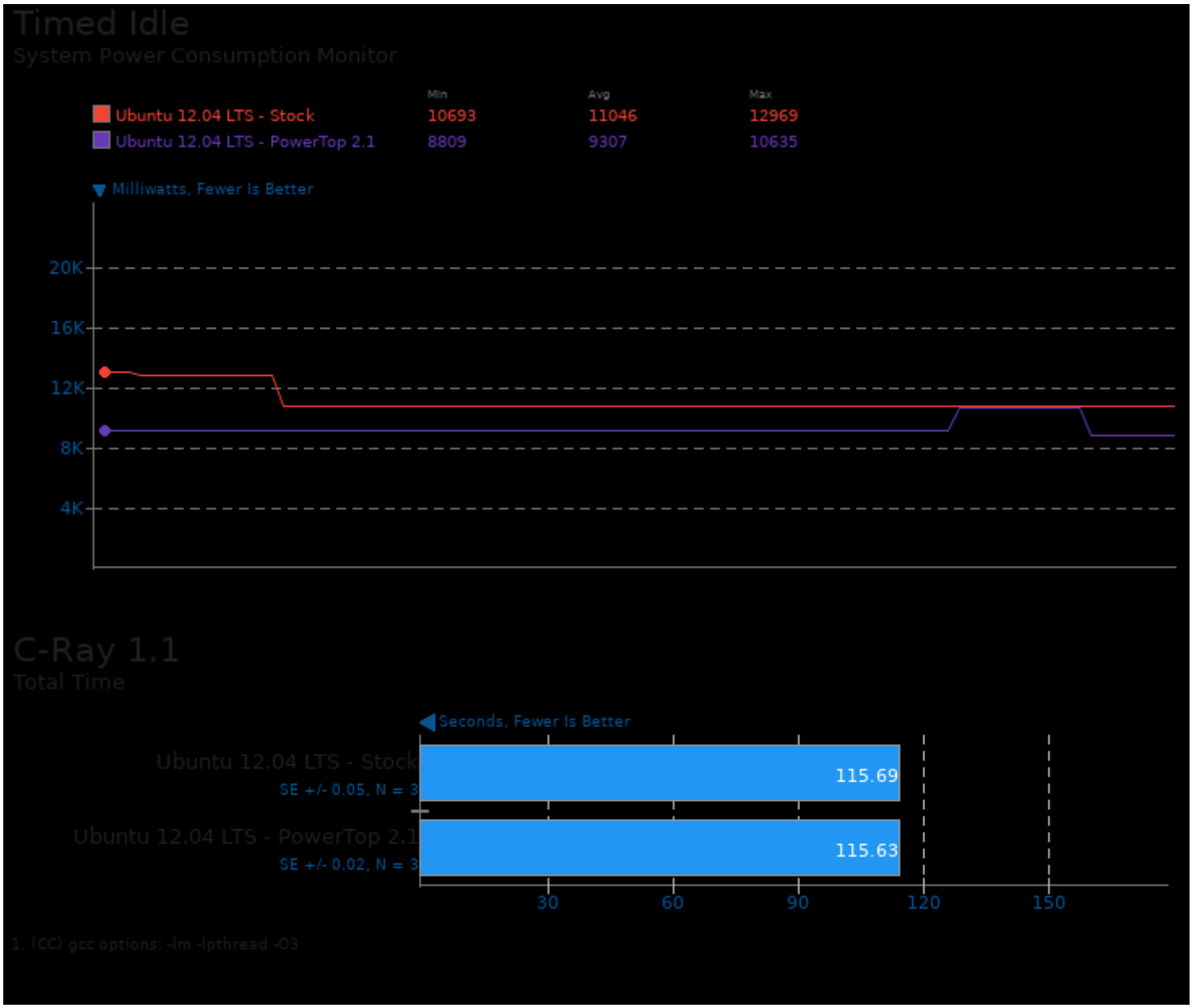
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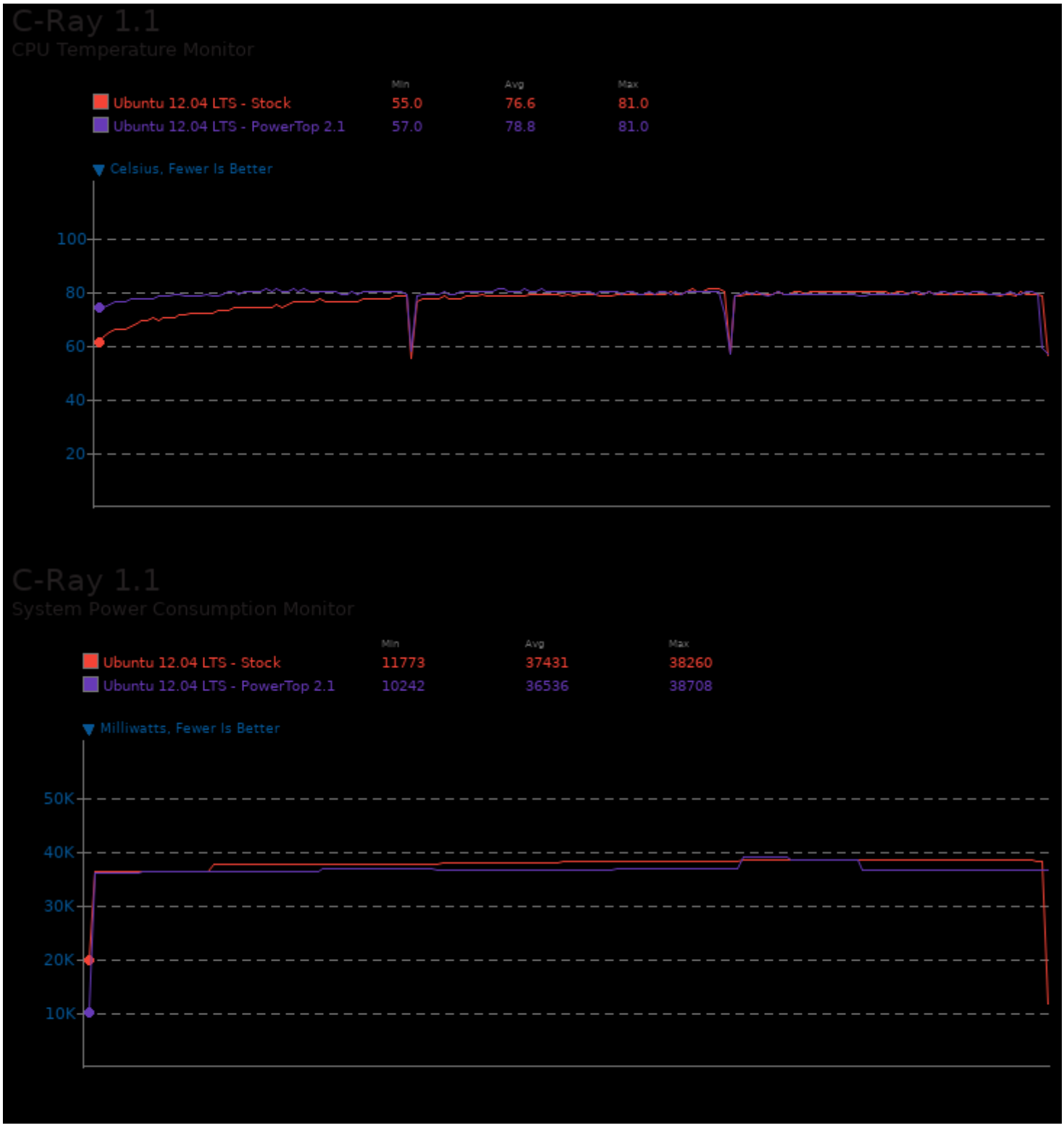
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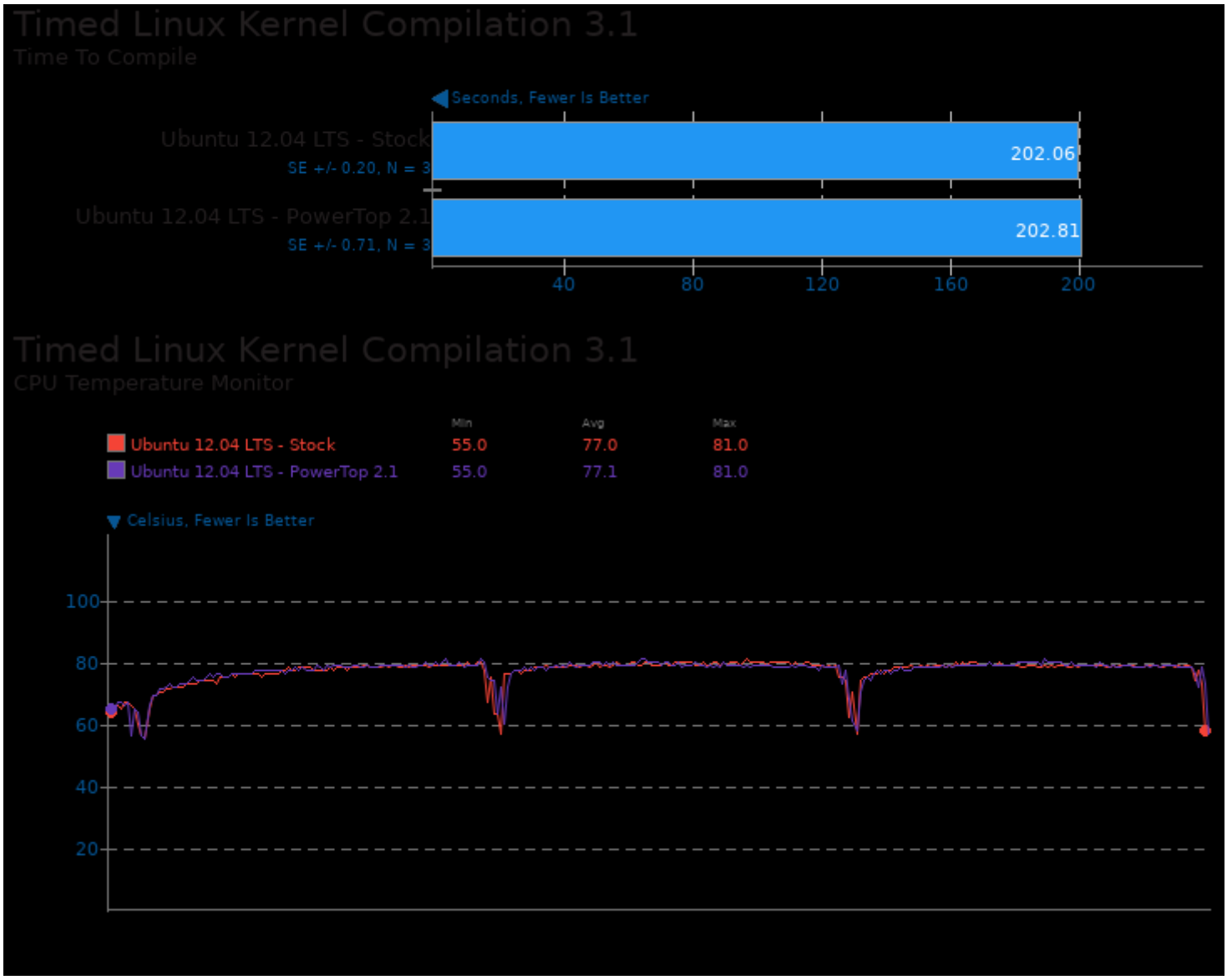
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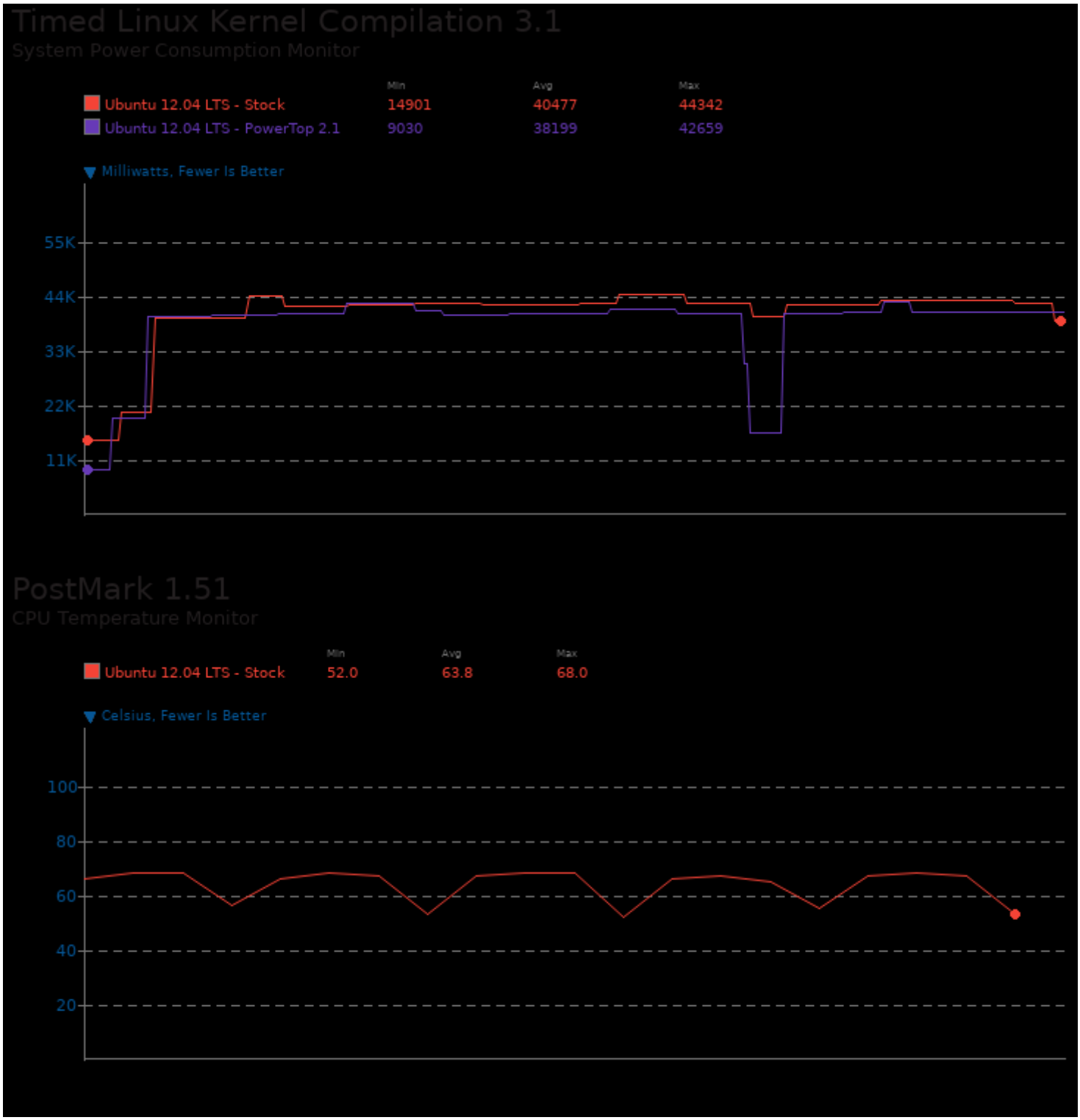
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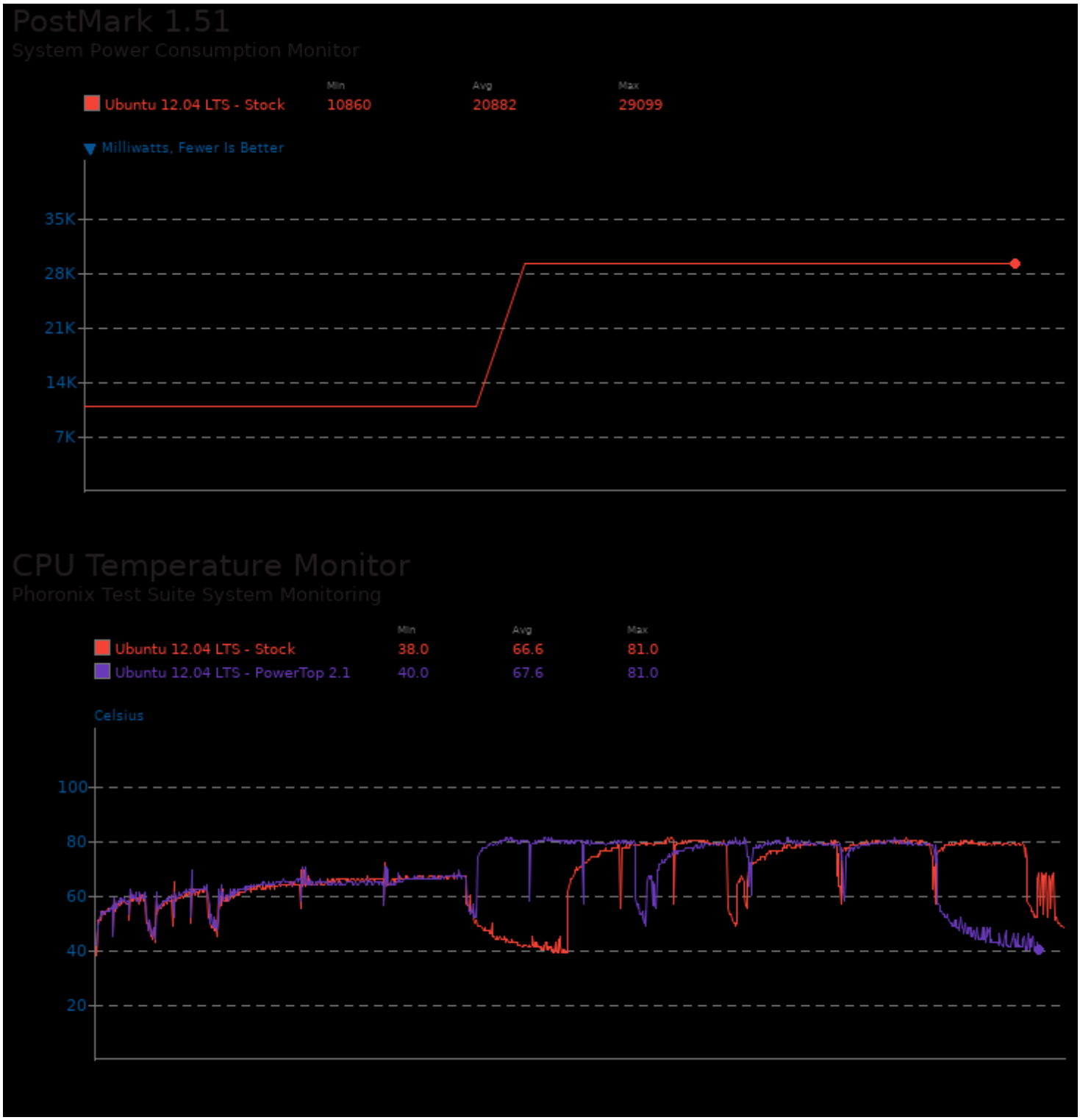
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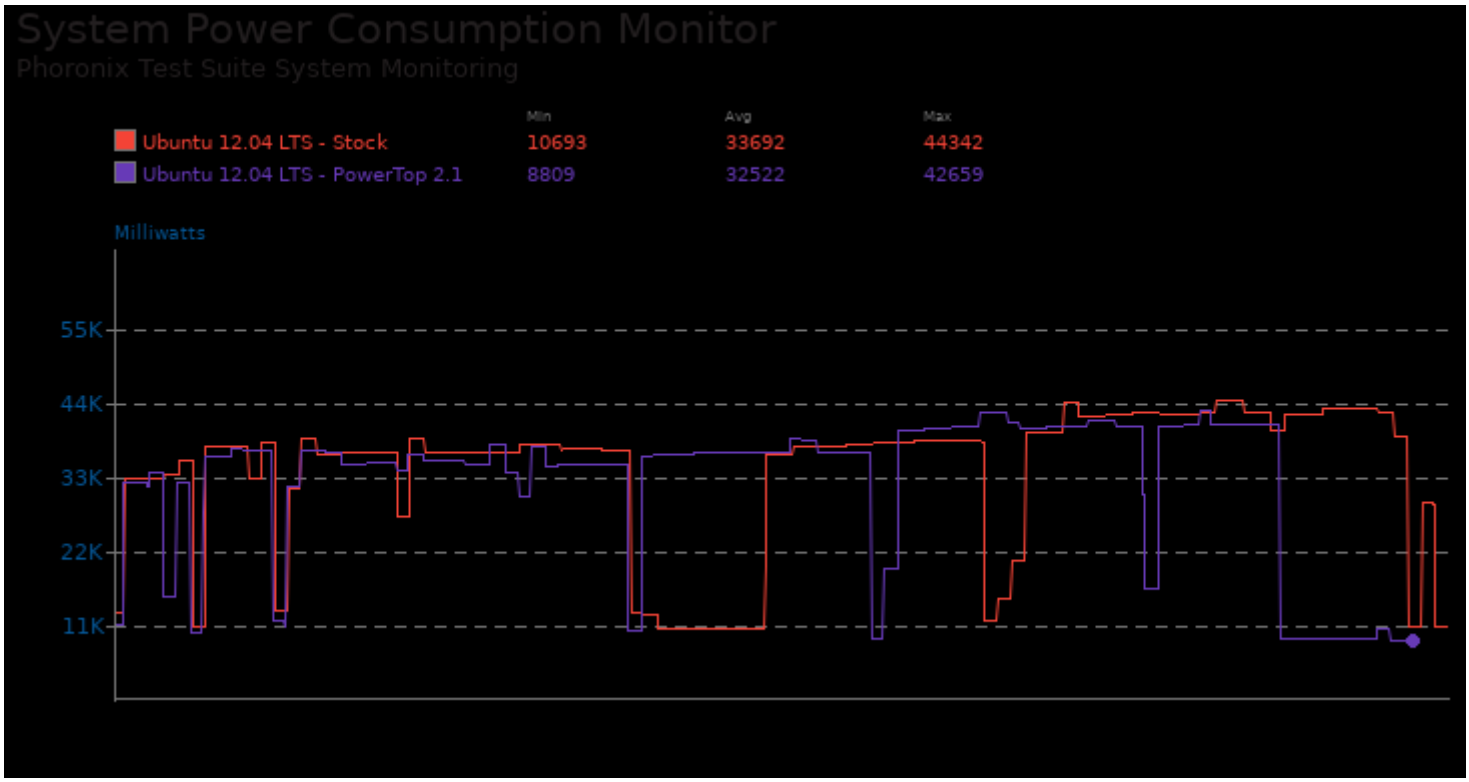
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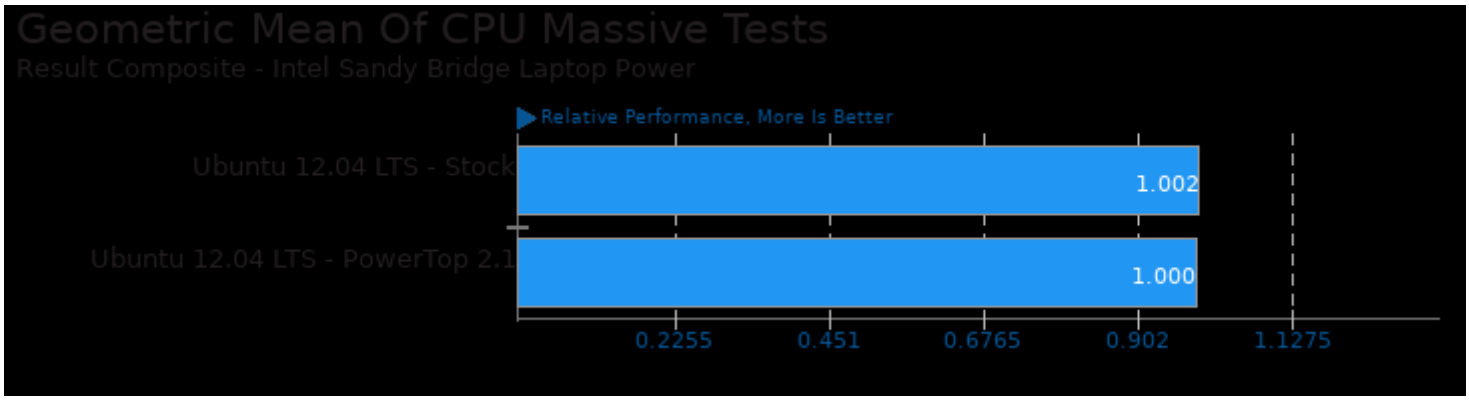


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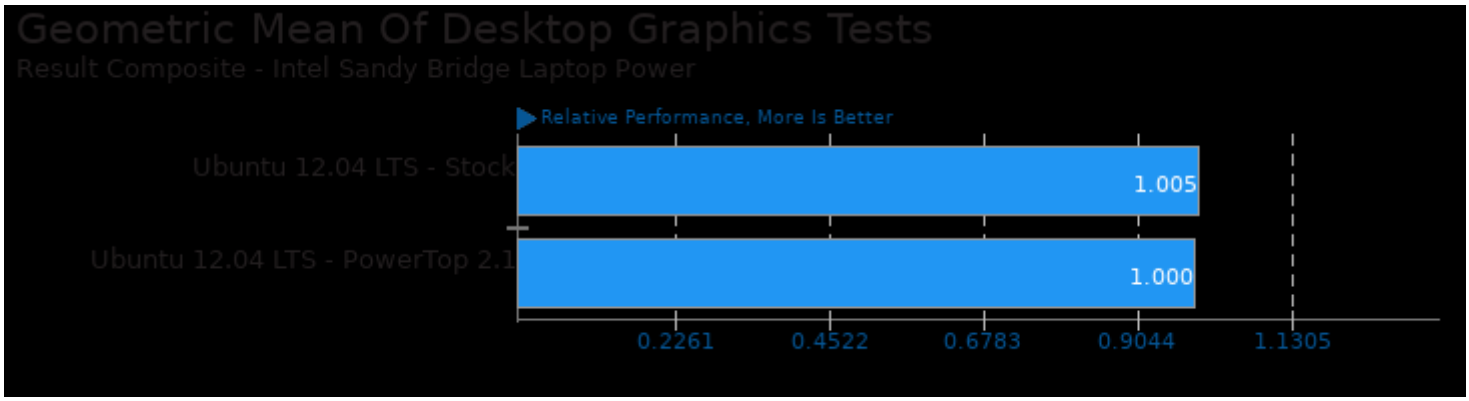


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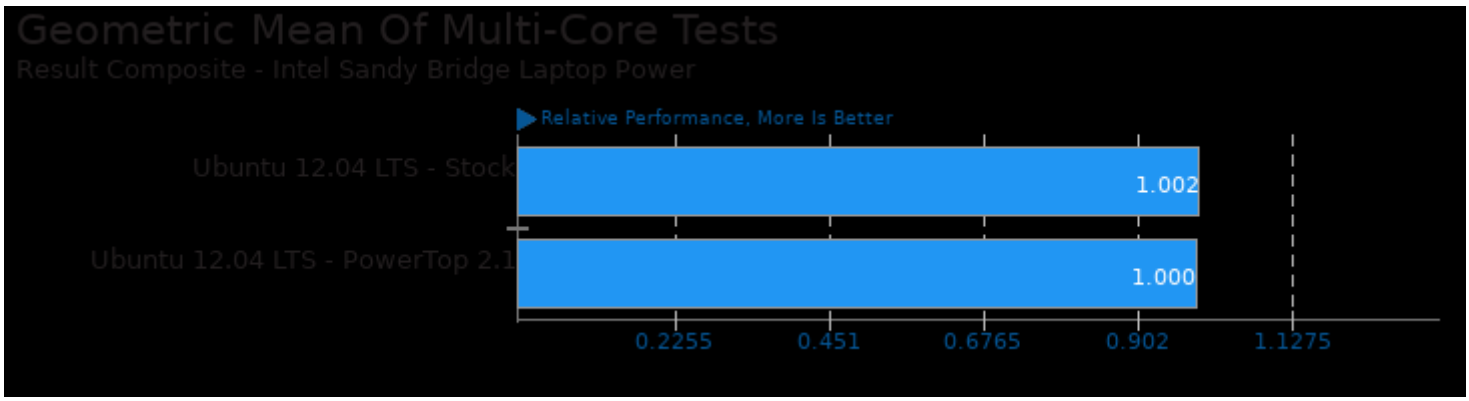
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/build-linux-kernel and pts/c-ray

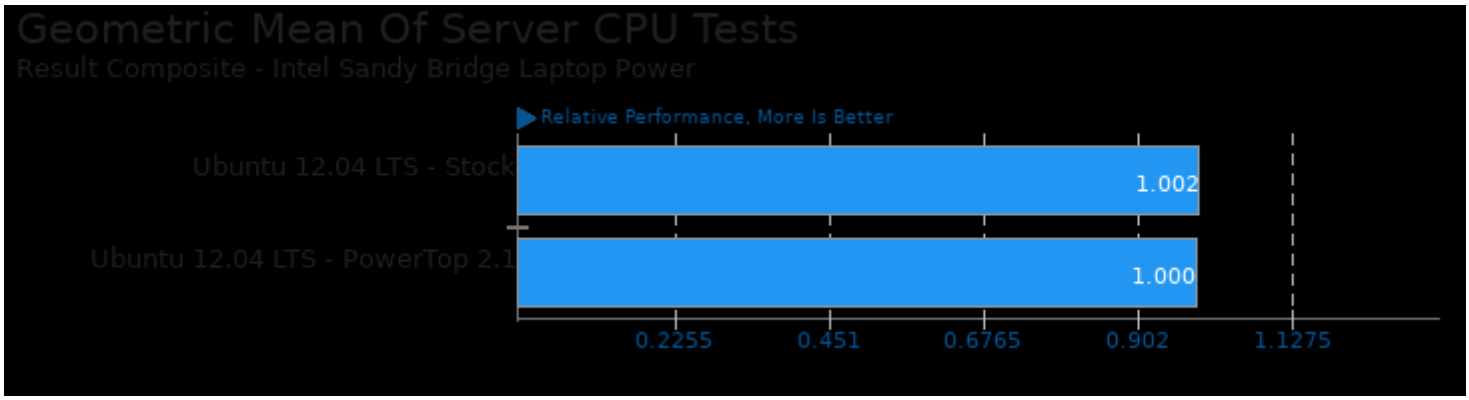


Geometric mean based upon tests: pts/xonotic and pts/openarena



Geometric mean based upon tests: pts/c-ray and pts/build-linux-kernel

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Geometric mean based upon tests: pts/build-linux-kernel and pts/c-ray

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 08:41.