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Radeon Power

Linux power regression testing under Ubuntu 8.04 LTS Hardy with various kernels.

Automated Executive Summary

Linux 2.6.24 had the most wins, coming in first place for 66% of the tests.

Based on the geometric mean of all complete results, the fastest (Linux 2.6.30) was 1.131x the speed of the slowest (Linux 2.6.32).

Test Systems:

Linux 2.6.24

Processor: Intel Pentium M 1.86GHz @ 0.80GHz (1 Core), Motherboard: IBM 18494WU, Chipset: Intel Mobile 915GM/PM/GMS/910GML + ICH6M, Memory: 2048MB, Disk: 80GB Hitachi HTS541080G9AT00, Graphics: AMD Mobility Radeon X300

OS: Ubuntu 8.04, Kernel: 2.6.24-020624-generic (i686), Desktop: GNOME 2.22.3, Display Server: X Server 1.4.0.90, Display Driver: radeon 4.3.0, OpenGL: 1.3 Mesa 7.0.3-rc2, Compiler: GCC 4.2.4, File-System: ext3, Screen Resolution: 1400x1050

System Notes: This was running on battery power.

Linux 2.6.25

Processor: Intel Pentium M 1.86GHz @ 0.80GHz (1 Core), Motherboard: IBM 18494WU, Chipset: Intel Mobile 915GM/PM/GMS/910GML + ICH6M, Memory: 2048MB, Disk: 80GB Hitachi HTS541080G9AT00, Graphics: AMD Mobility Radeon X300

OS: Ubuntu 8.04, Kernel: 2.6.25-020625-generic (i686), Desktop: GNOME 2.22.3, Display Server: X Server 1.4.0.90, Display Driver: radeon 4.3.0, OpenGL: 1.3 Mesa 7.0.3-rc2, Compiler: GCC 4.2.4, File-System: ext3, Screen Resolution: 1400x1050

System Notes: This was running on battery power.

Linux 2.6.26

Processor: Intel Pentium M 1.86GHz @ 1.87GHz (1 Core), Motherboard: IBM 18494WU, Chipset: Intel Mobile 915GM/PM/GMS/910GML + ICH6M, Memory: 2048MB, Disk: 80GB Hitachi HTS541080G9AT00, Graphics: AMD Mobility Radeon X300

OS: Ubuntu 8.04, Kernel: 2.6.26-020626-generic (i686), Desktop: GNOME 2.22.3, Display Server: X Server 1.4.0.90, Display Driver: radeon 4.3.0, OpenGL: 1.3 Mesa 7.0.3-rc2, Compiler: GCC 4.2.4, File-System: ext3, Screen Resolution: 1400x1050

System Notes: This was running on battery power.

Linux 2.6.28

Processor: Intel Pentium M 1.86GHz @ 1.87GHz (1 Core), Motherboard: IBM 18494WU, Chipset: Intel Mobile 915GM/PM/GMS/910GML + ICH6M, Memory: 2048MB, Disk: 80GB Hitachi HTS541080G9AT00, Graphics: AMD Mobility Radeon X300

OS: Ubuntu 8.04, Kernel: 2.6.28-020628-generic (i686), Desktop: GNOME 2.22.3, Display Server: X Server 1.4.0.90, Display Driver: radeon 4.3.0, OpenGL: 1.3 Mesa 7.0.3-rc2, Compiler: GCC 4.2.4, File-System: ext3, Screen Resolution: 1400x1050

System Notes: This was running on battery power.

Linux 2.6.30

Processor: Intel Pentium M 1.86GHz @ 0.80GHz (1 Core), Motherboard: IBM 18494WU, Chipset: Intel Mobile 915GM/PM/GMS/910GML + ICH6M, Memory: 2048MB, Disk: 80GB Hitachi HTS541080G9AT00, Graphics: AMD Mobility Radeon X300

OS: Ubuntu 8.04, Kernel: 2.6.30-020630-generic (i686), Desktop: GNOME 2.22.3, Display Server: X Server 1.4.0.90, Display Driver: radeon 4.3.0, OpenGL: 1.3 Mesa 7.0.3-rc2, Compiler: GCC 4.2.4, File-System: ext3, Screen Resolution: 1400x1050

System Notes: This was running on battery power.

Linux 2.6.32

Processor: Intel Pentium M 1.86GHz @ 1.87GHz (1 Core), Motherboard: IBM 18494WU, Chipset: Intel Mobile 915GM/PM/GMS/910GML + ICH6M, Memory: 2048MB, Disk: 80GB Hitachi HTS541080G9AT00, Graphics: AMD Mobility Radeon X300

OS: Ubuntu 8.04, Kernel: 2.6.32-020632-generic (i686), Desktop: GNOME 2.22.3, Display Server: X Server 1.4.0.90, Display Driver: radeon 4.3.0, OpenGL: 1.3 Mesa 7.0.3-rc2, Compiler: GCC 4.2.4, File-System: ext3, Screen Resolution: 1400x1050

System Notes: This was running on battery power.

Linux 2.6.33

Processor: Intel Pentium M 1.86GHz @ 0.80GHz (1 Core), Motherboard: IBM 18494WU, Chipset: Intel Mobile 915GM/PM/GMS/910GML + ICH6M, Memory: 2048MB, Disk: 80GB Hitachi HTS541080G9AT00, Graphics: AMD Mobility Radeon X300

OS: Ubuntu 8.04, Kernel: 2.6.33-020633-generic (i686), Desktop: GNOME 2.22.3, Display Server: X Server 1.4.0.90, Display Driver: radeon 4.3.0, OpenGL: 1.3 Mesa 7.0.3-rc2, Compiler: GCC 4.2.4, File-System: ext3, Screen Resolution: 1400x1050

System Notes: This was running on battery power.

Linux 2.6.34

Processor: Intel Pentium M 1.86GHz @ 1.87GHz (1 Core), Motherboard: IBM 18494WU, Chipset: Intel Mobile 915GM/PM/GMS/910GML + ICH6M, Memory: 2048MB, Disk: 80GB Hitachi HTS541080G9AT00, Graphics: AMD Mobility Radeon X300

OS: Ubuntu 8.04, Kernel: 2.6.34-020634-generic (i686), Desktop: GNOME 2.22.3, Display Server: X Server 1.4.0.90, Display Driver: radeon 4.3.0, OpenGL: 1.3 Mesa 7.0.3-rc2, Compiler: GCC 4.2.4, File-System: ext3, Screen Resolution: 1400x1050

System Notes: This was running on battery power.

Linux 2.6.35

Processor: Intel Pentium M 1.86GHz @ 1.87GHz (1 Core), Motherboard: IBM 18494WU, Chipset: Intel Mobile 915GM/PM/GMS/910GML + ICH6M, Memory: 2048MB, Disk: 80GB Hitachi HTS541080G9AT00, Graphics: AMD Mobility Radeon X300

OS: Ubuntu 8.04, Kernel: 2.6.35-020635-generic (i686), Desktop: GNOME 2.22.3, Display Server: X Server 1.4.0.90, Display Driver: radeon 4.3.0, OpenGL: 1.3 Mesa 7.0.3-rc2, Compiler: GCC 4.2.4, File-System: ext3, Screen Resolution: 1400x1050

System Notes: This was running on battery power.

Linux 2.6.36

Processor: Intel Pentium M 1.86GHz @ 0.80GHz (1 Core), Motherboard: IBM 18494WU, Chipset: Intel Mobile

915GM/PM/GMS/910GML + ICH6M, Memory: 2048MB, Disk: 80GB Hitachi HTS541080G9AT00, Graphics: AMD Mobility Radeon X300

OS: Ubuntu 8.04, Kernel: 2.6.36-020636-generic (i686), Desktop: GNOME 2.22.3, Display Server: X Server 1.4.0.90, Display Driver: radeon 4.3.0, OpenGL: 1.3 Mesa 7.0.3-rc2, Compiler: GCC 4.2.4, File-System: ext3, Screen Resolution: 1400x1050

System Notes: This was running on battery power.

Linux 2.6.37

Processor: Intel Pentium M 1.86GHz @ 1.87GHz (1 Core), Motherboard: IBM 18494WU, Chipset: Intel Mobile 915GM/PM/GMS/910GML + ICH6M, Memory: 2048MB, Disk: 80GB Hitachi HTS541080G9AT00, Graphics: AMD Mobility Radeon X300

OS: Ubuntu 8.04, Kernel: 2.6.37-020637-generic (i686), Desktop: GNOME 2.22.3, Display Server: X Server 1.4.0.90, Display Driver: radeon 4.3.0, OpenGL: 1.3 Mesa 7.0.3-rc2, Compiler: GCC 4.2.4, File-System: ext3, Screen Resolution: 1400x1050

System Notes: This was running on battery power.

Linux 2.6.38

Processor: Intel Pentium M 1.86GHz @ 0.80GHz (1 Core), Motherboard: IBM 18494WU, Chipset: Intel Mobile 915GM/PM/GMS/910GML + ICH6M, Memory: 2048MB, Disk: 80GB Hitachi HTS541080G9AT00, Graphics: AMD Mobility Radeon X300

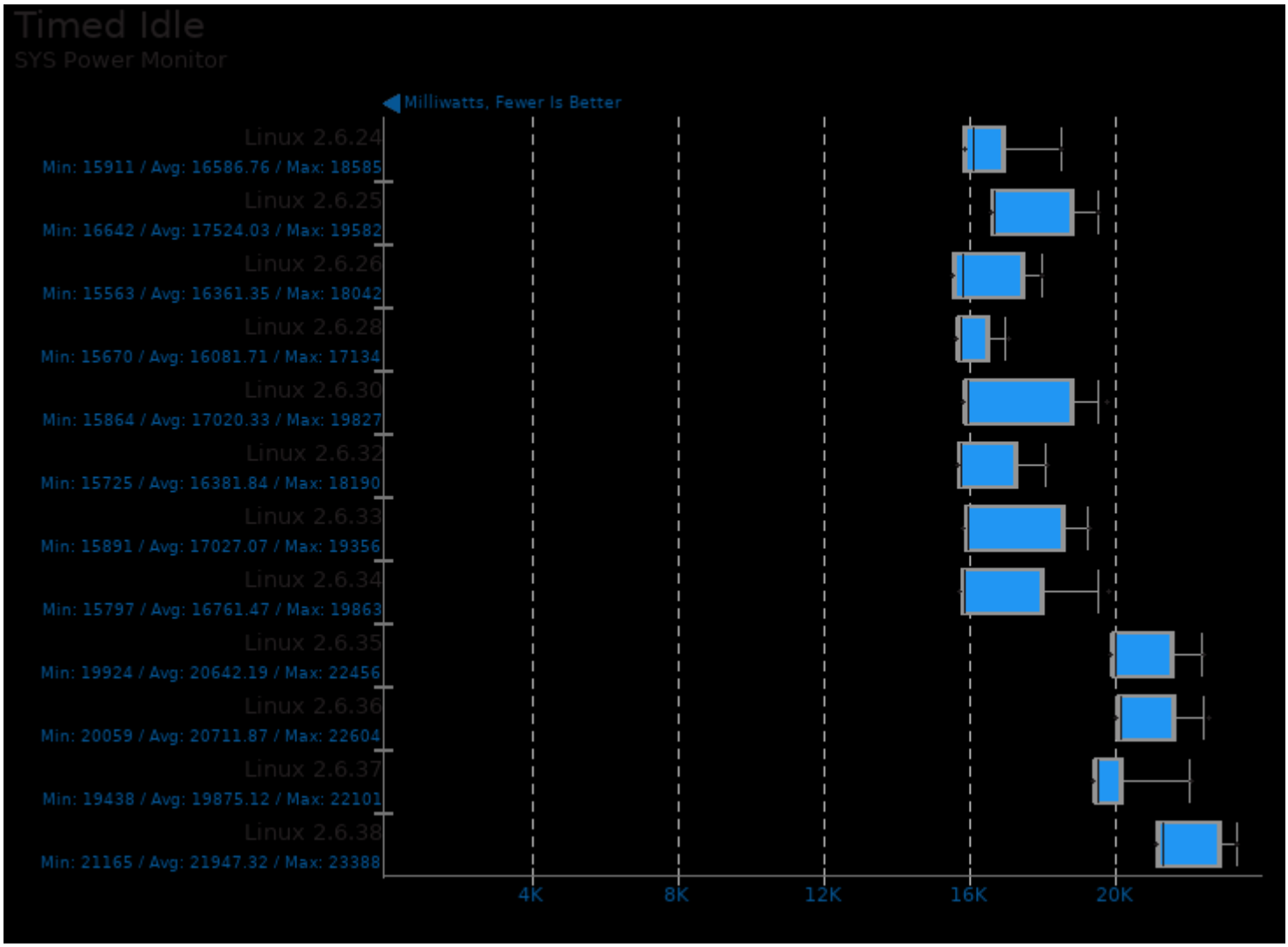
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System Notes: This was running on battery power.

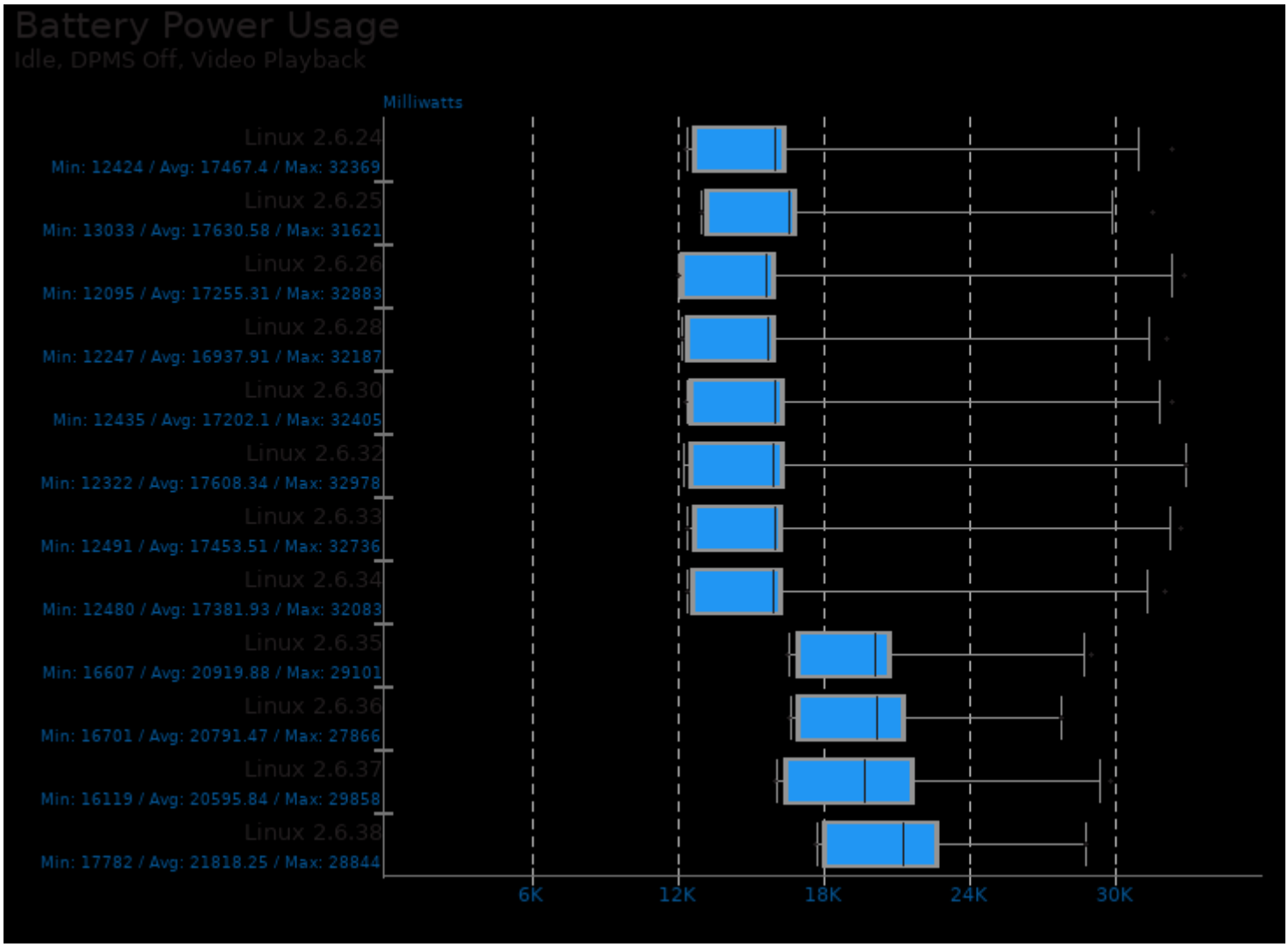
	Linux 2.6.24	Linux 2.6.25	Linux 2.6.26	Linux 2.6.28	Linux 2.6.30	Linux 2.6.32	Linux 2.6.33	Linux 2.6.34	Linux 2.6.35	Linux 2.6.36	Linux 2.6.37	Linux 2.6.38
OpenArena - 1024 x 768 (FPS)	27.90	29.93	22.10	30.17	**30.40**	**21.03**	30.30	30.13	30.07	29.87	30.00	29.83
Normalized	91.78%	98.45%	72.7%	99.24%	100%	69.18%	99.67%	99.11%	98.91%	98.26%	98.68%	98.13%
Standard Deviation	0%	1.4%	4.7%	1.6%	0.9%	0.3%	1.4%	0.8%	0.5%	0.2%	0.6%	1.2%
Stream - Add (MB/s)	**1621**	1613	**1612**	1615	1614	1615	1618	1616	1614	1615	1617	1613
Normalized	100%	99.52%	99.42%	99.63%	99.58%	99.61%	99.77%	99.67%	99.54%	99.65%	99.72%	99.51%
Standard Deviation	0.2%	0.1%	0.1%	0.2%	0.1%	0%	0.1%	0.2%	0.1%	0.1%	0.2%	0.1%

OpenSSL - R.4.b.P (Signs/sec)	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40	3.40
Standard Deviation	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

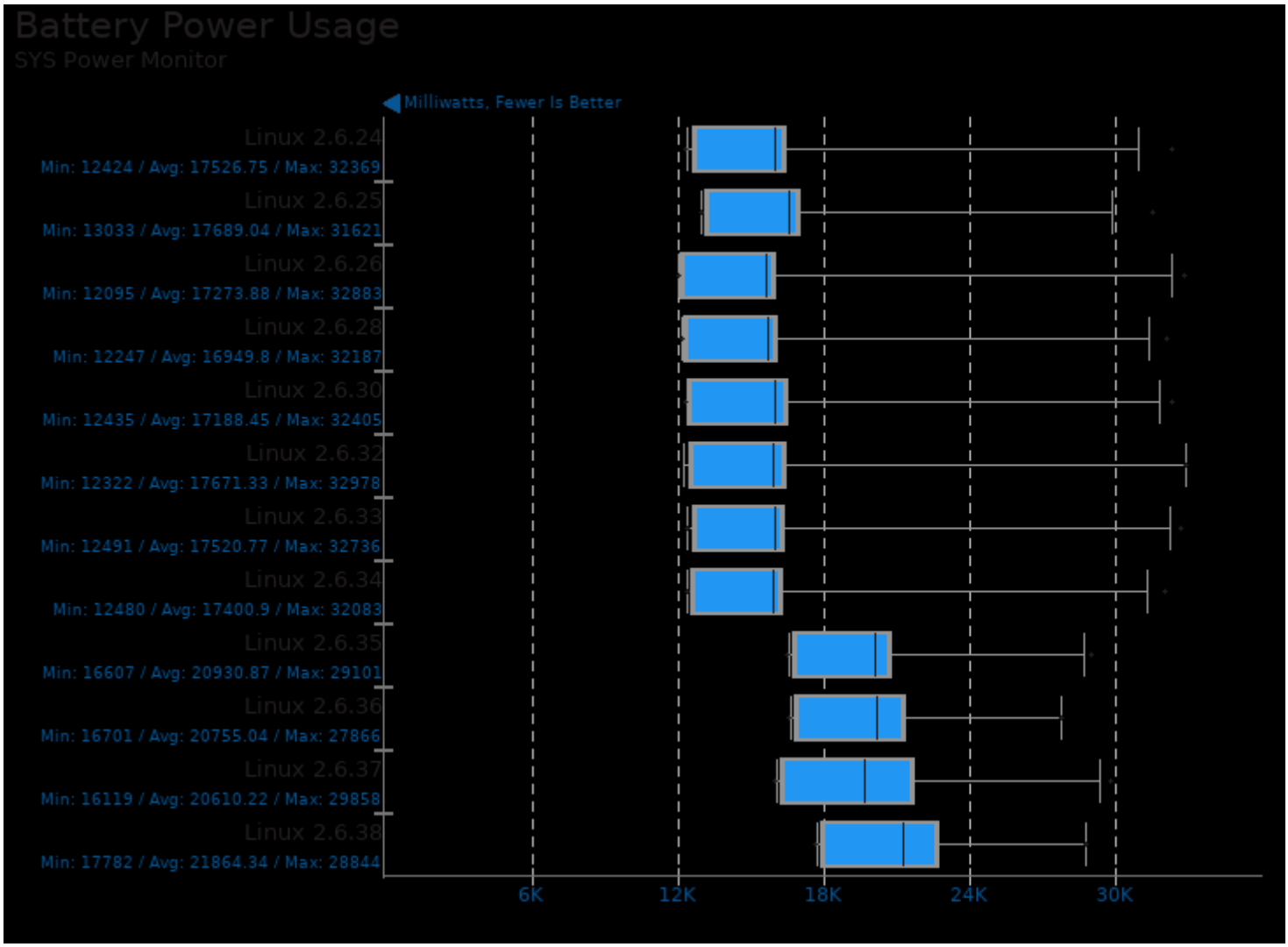
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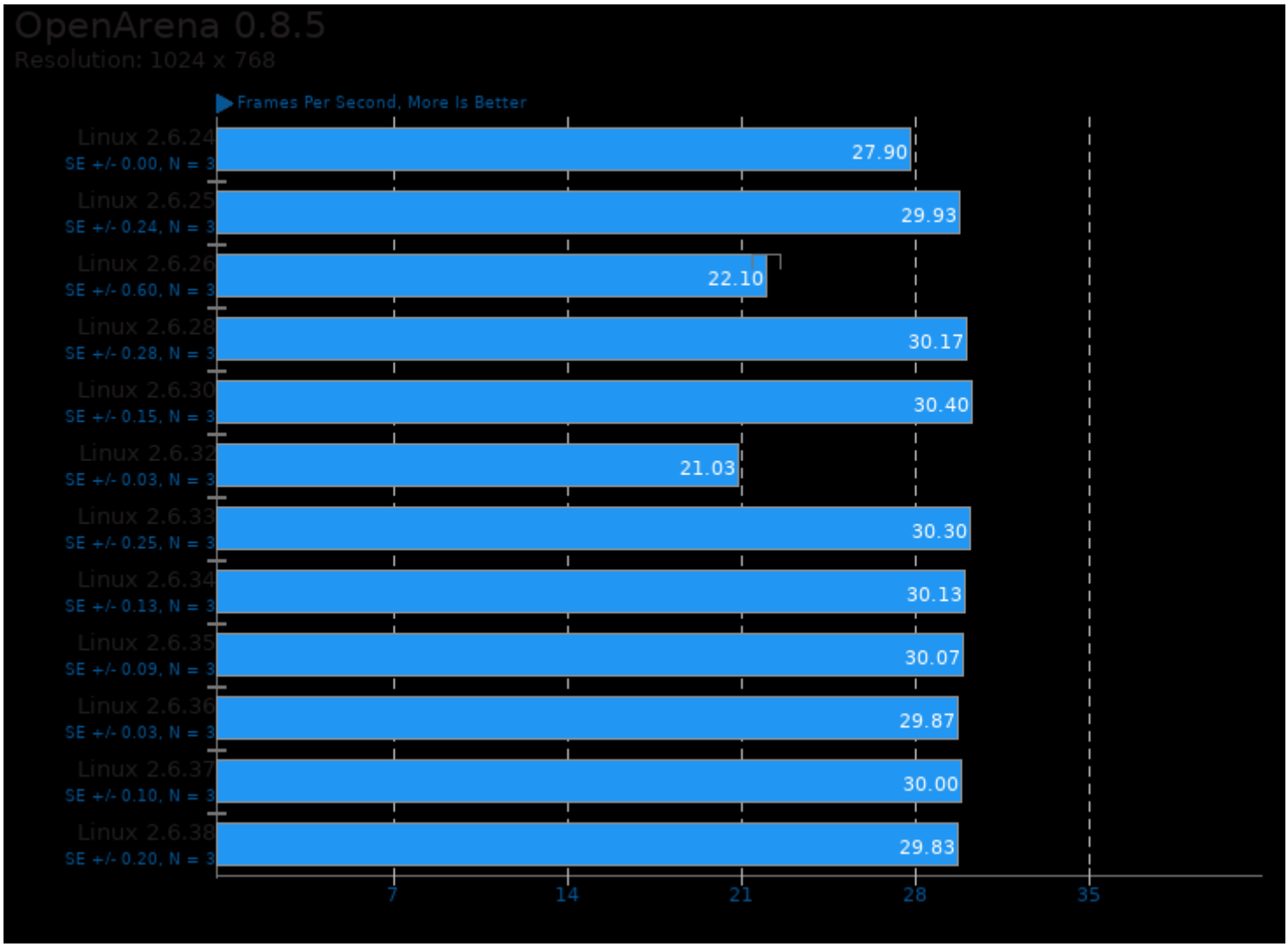
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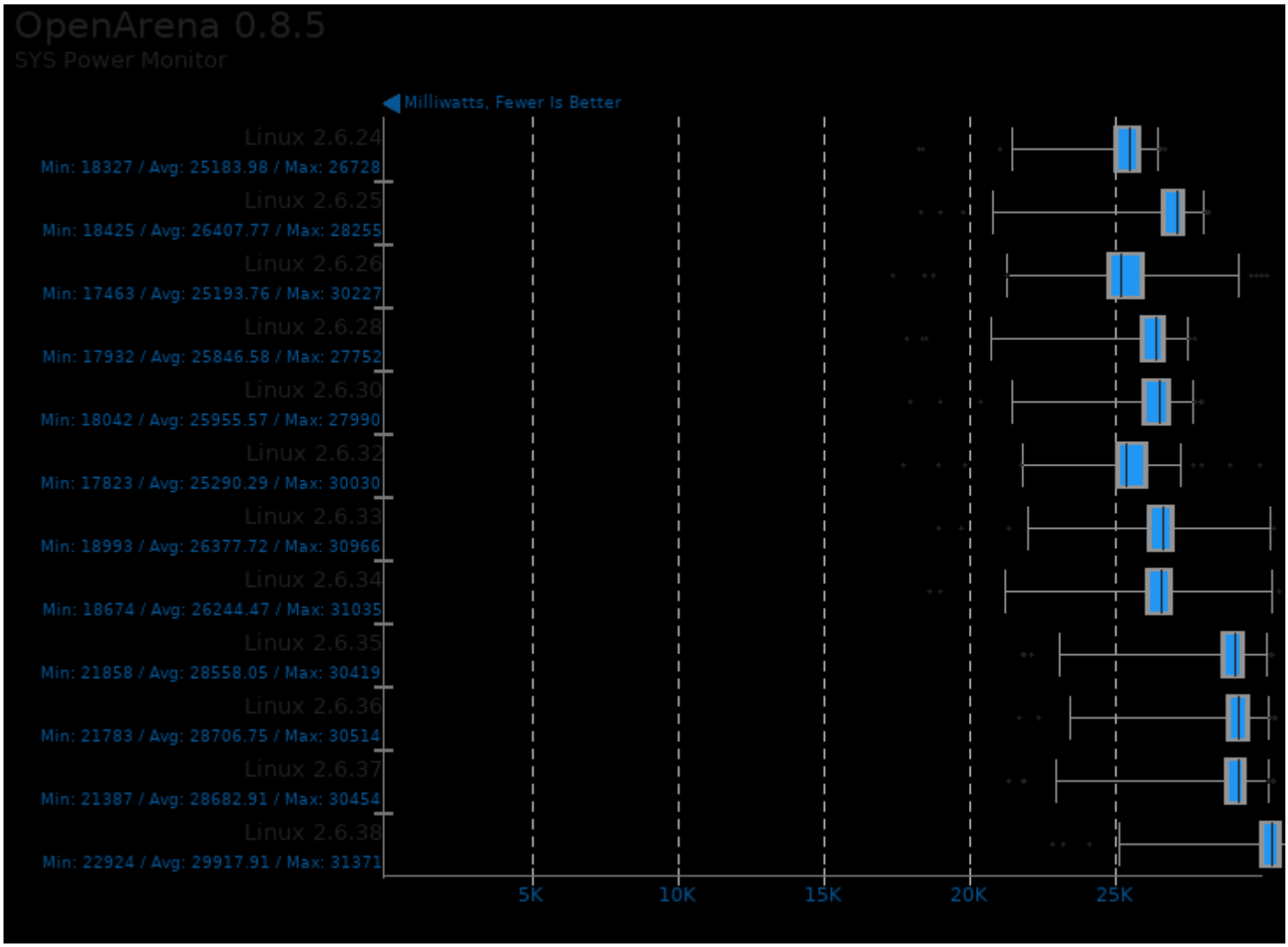
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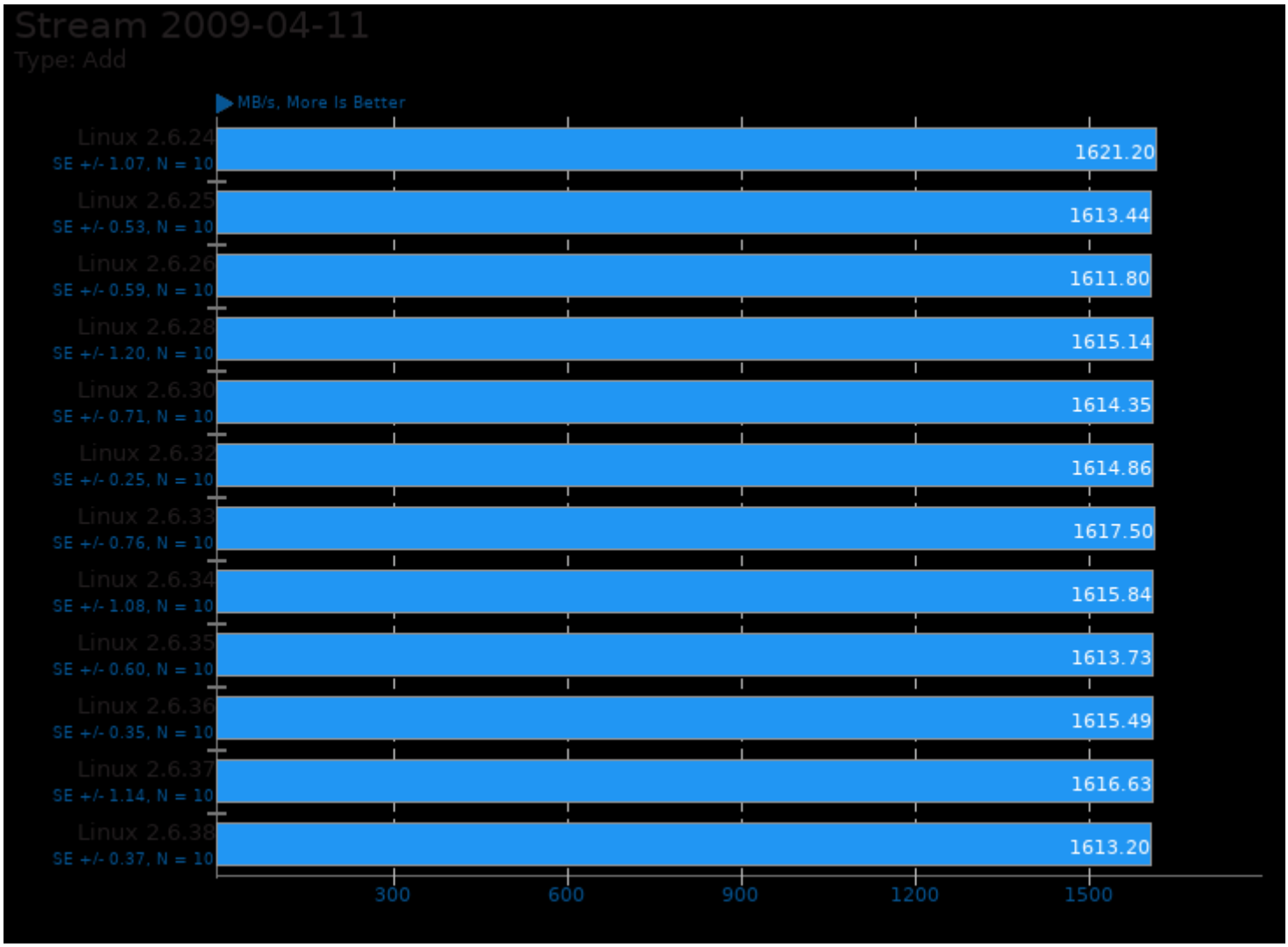
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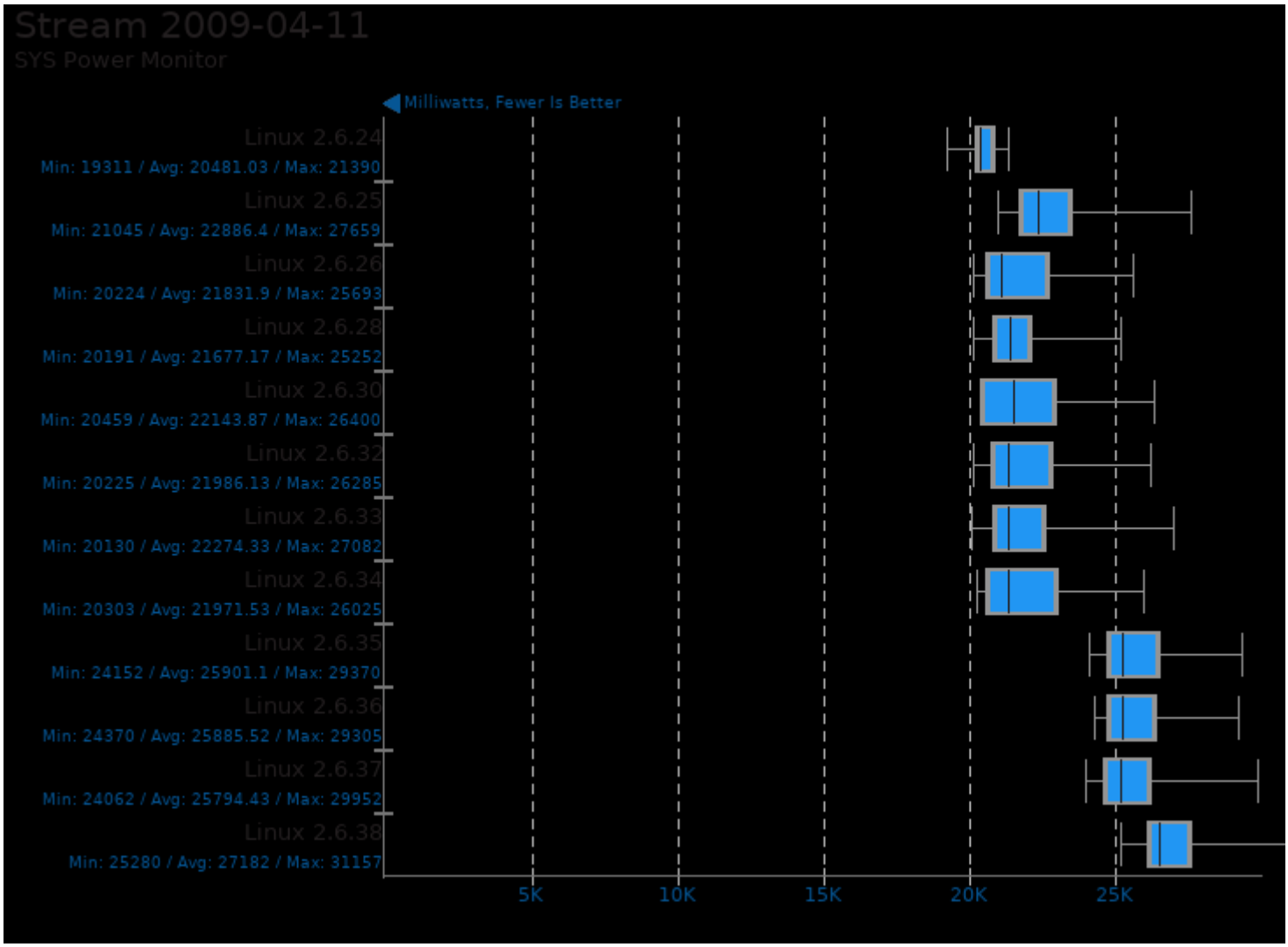
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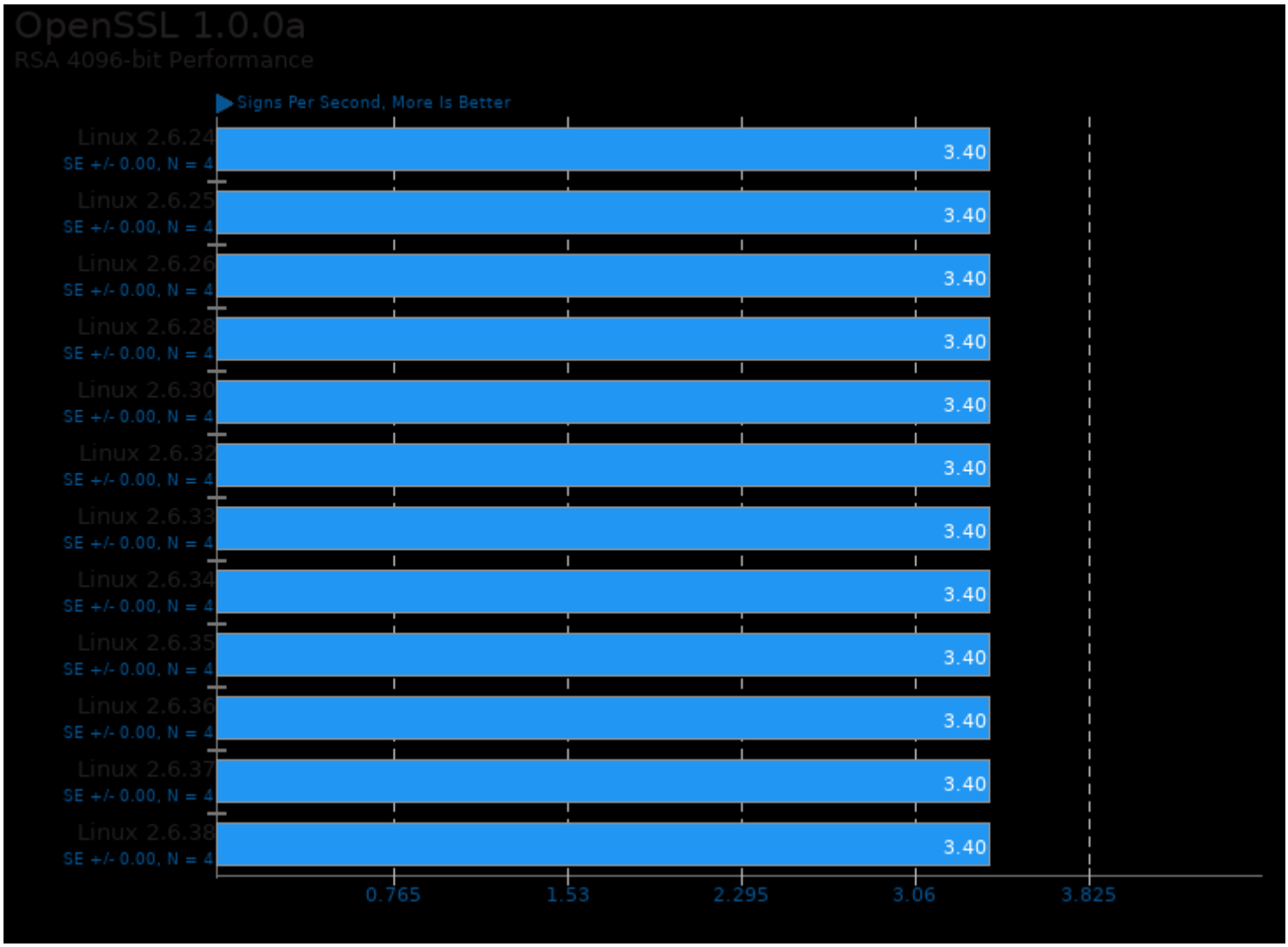
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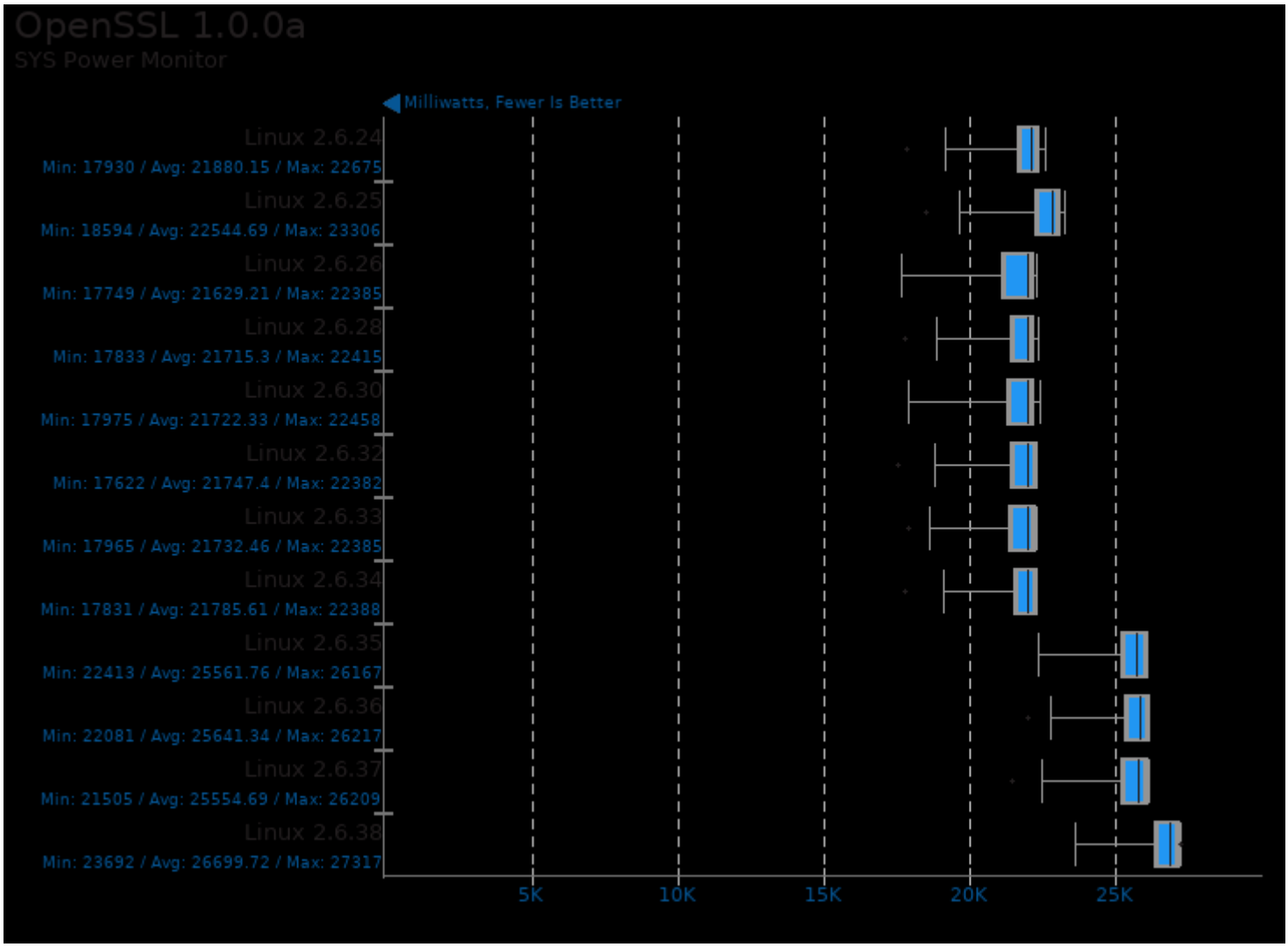
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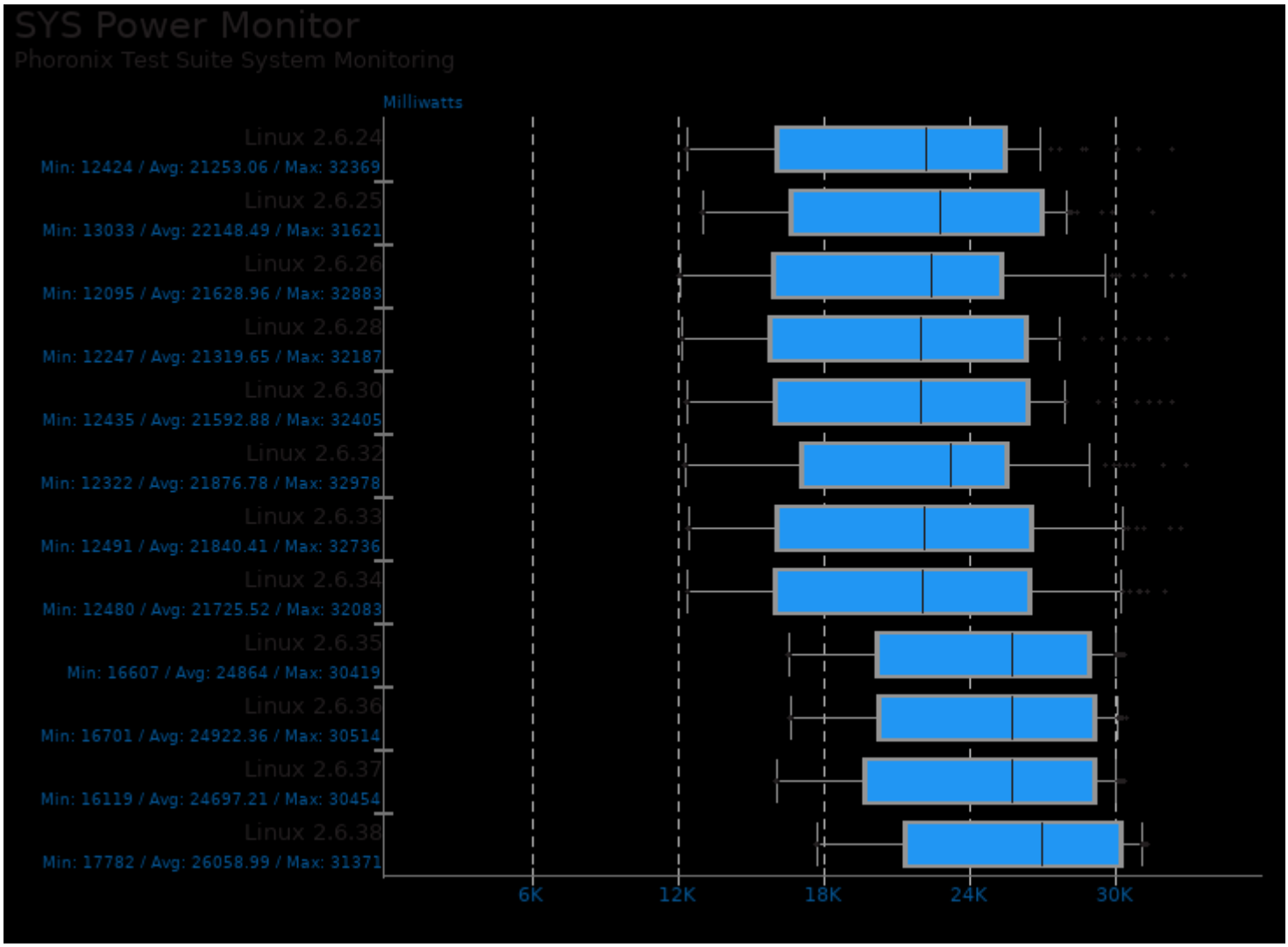
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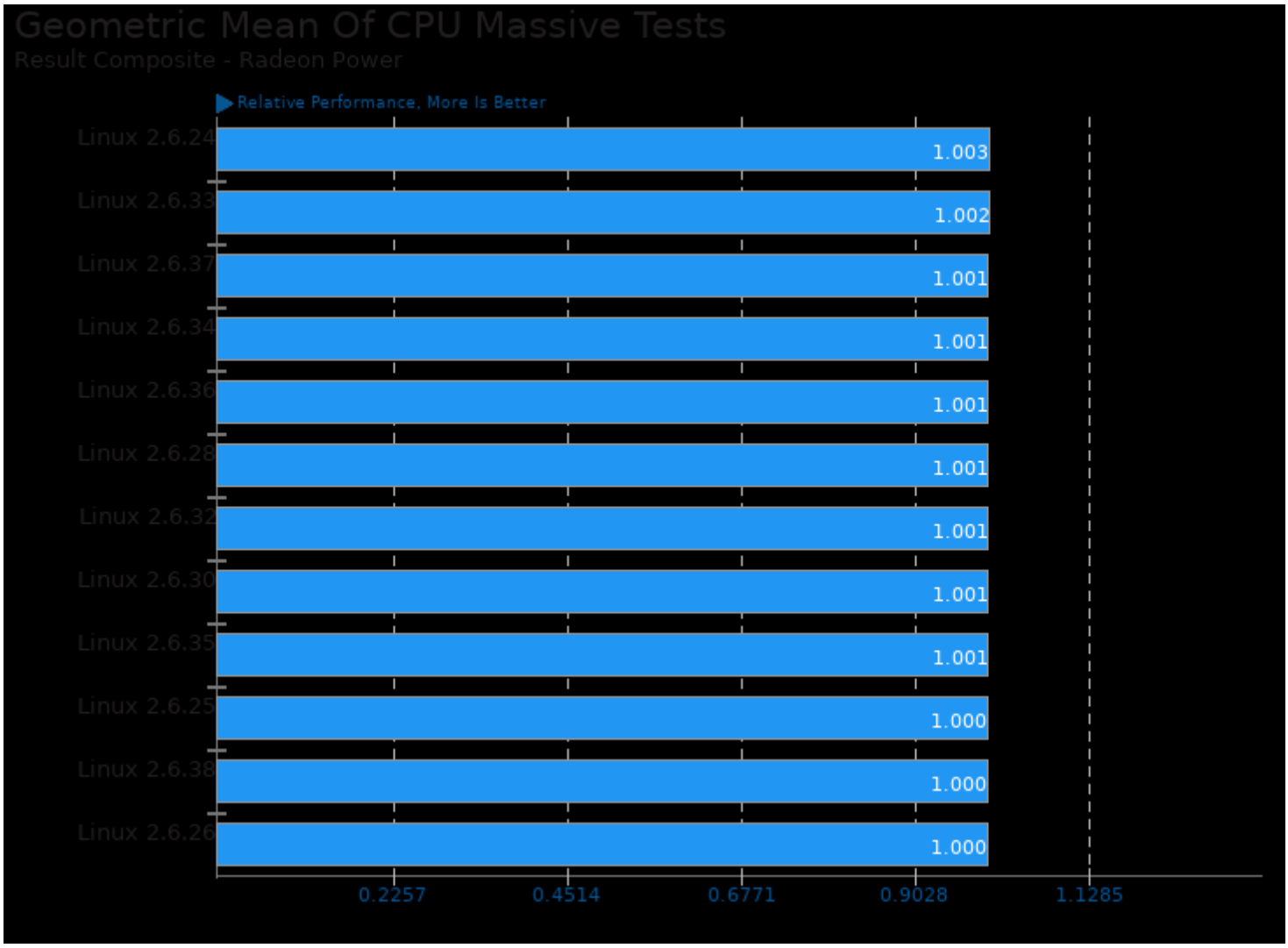


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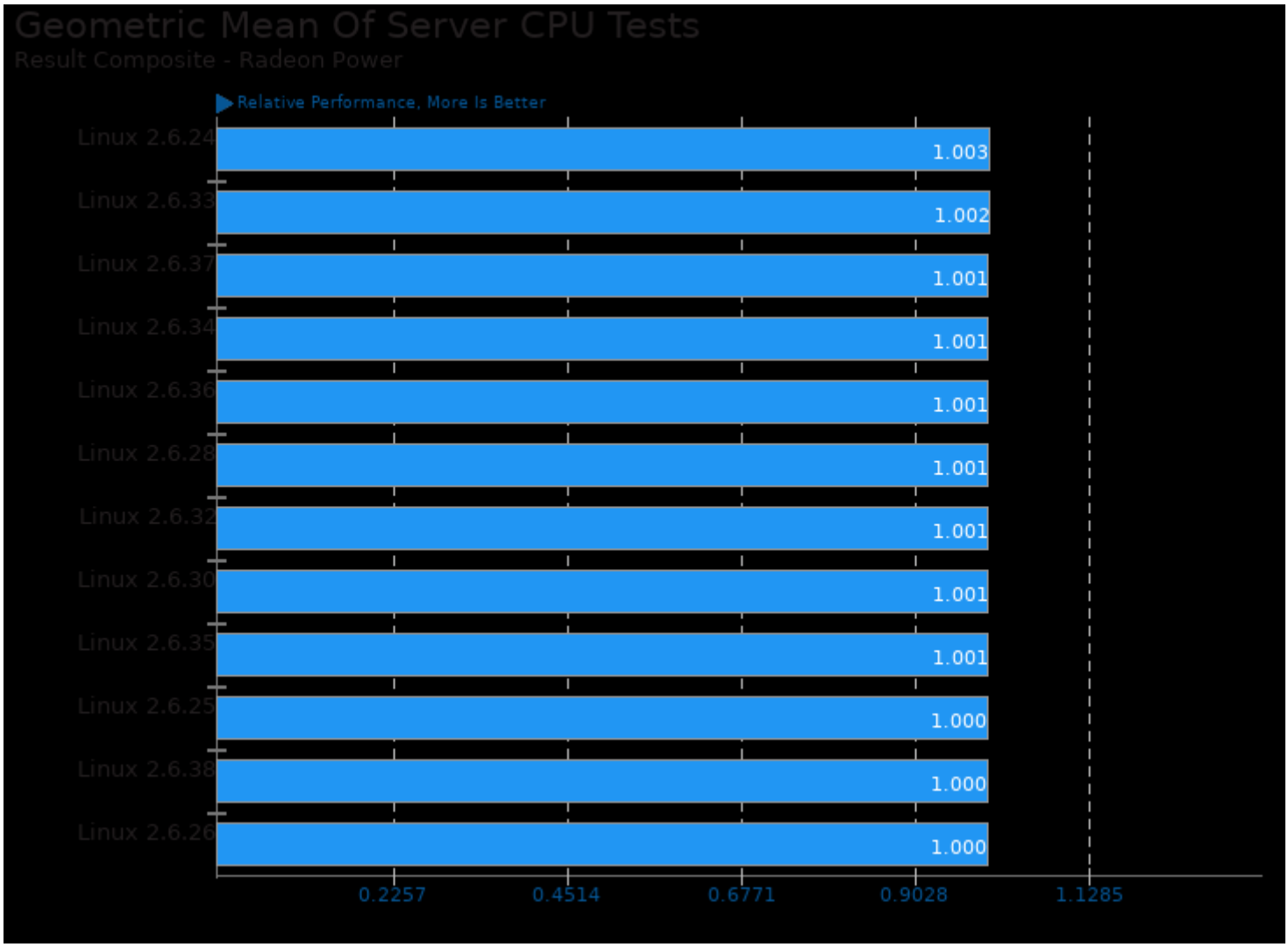
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These geometric means are based upon test groupings / test suites for this result file.



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

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

This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 06:02.