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Intel Core i7-1165G7 testing with a Dell 0GG9PT (3.3.0 BIOS) and Intel Xe TGL GT2 3GB on Ubuntu 21.10 via the Phoronix Test Suite.

Automated Executive Summary

May 01 12 49 had the most wins, coming in first place for 28% of the tests.

Based on the geometric mean of all complete results, the fastest (May 01 12 49) was 1.179x the speed of the slowest (May 01 12 16).

Test Systems:

May 01 12 06

May 01 12 16

May 01 12 30

May 01 12 49

May 01 13 05

May 01 15 11

May 01 16 27

May 01 17 47

May 01 19 02

May 01 20 26

May 01 21 41

May 01 23 00

May 02 00 21

May 02 01 44

May 02 03 07

May 02 04 21

May 02 05 44

Processor: Intel Core i7-1165G7 @ 4.70GHz (4 Cores / 8 Threads), Motherboard: Dell 0GG9PT (3.3.0 BIOS), Chipset: Intel Tiger Lake-LP, Memory: 16GB, Disk: Kioxia KBG40ZNS256G NVMe 256GB, Graphics: Intel Xe TGL GT2 3GB (1300MHz), Audio: Realtek ALC289, Network: Intel Wi-Fi 6 AX201

OS: Ubuntu 21.10, Kernel: 5.13.0-39-generic (x86_64), Desktop: GNOME Shell 40.5, Display Server: X Server + Wayland, OpenGL: 4.6 Mesa 21.2.2, Vulkan: 1.2.182, Compiler: GCC 11.2.0, File-System: ext4, Screen Resolution: 1920x1200

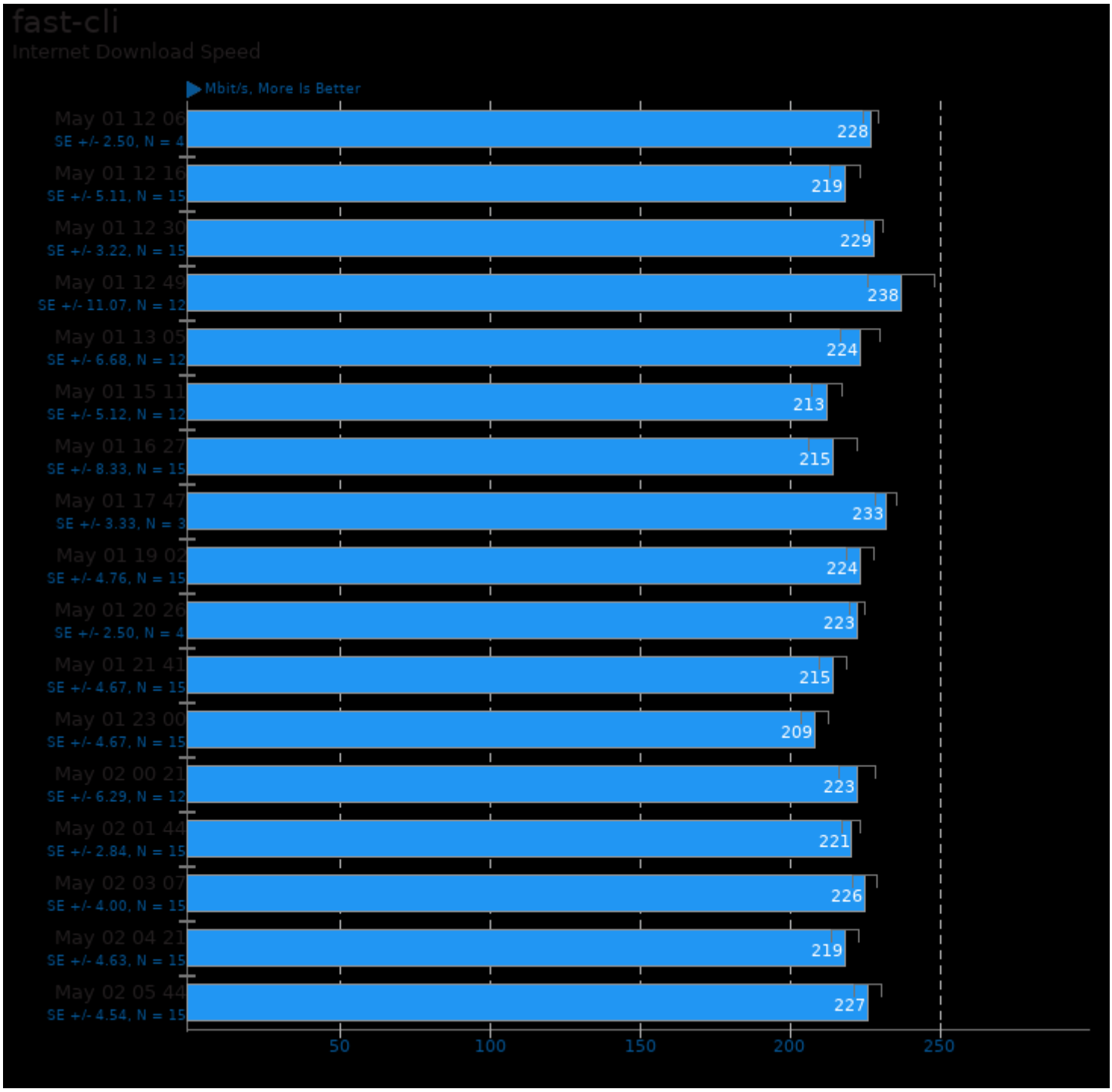
Kernel Notes: Transparent Huge Pages: madvise
Processor Notes: Scaling Governor: intel_pstate powersave (EPP: balance_performance) - CPU Microcode: 0x88 - Thermald 2.4.6
Python Notes: Python 3.9.7
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + 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: Not affected

Phoronix Test Suite

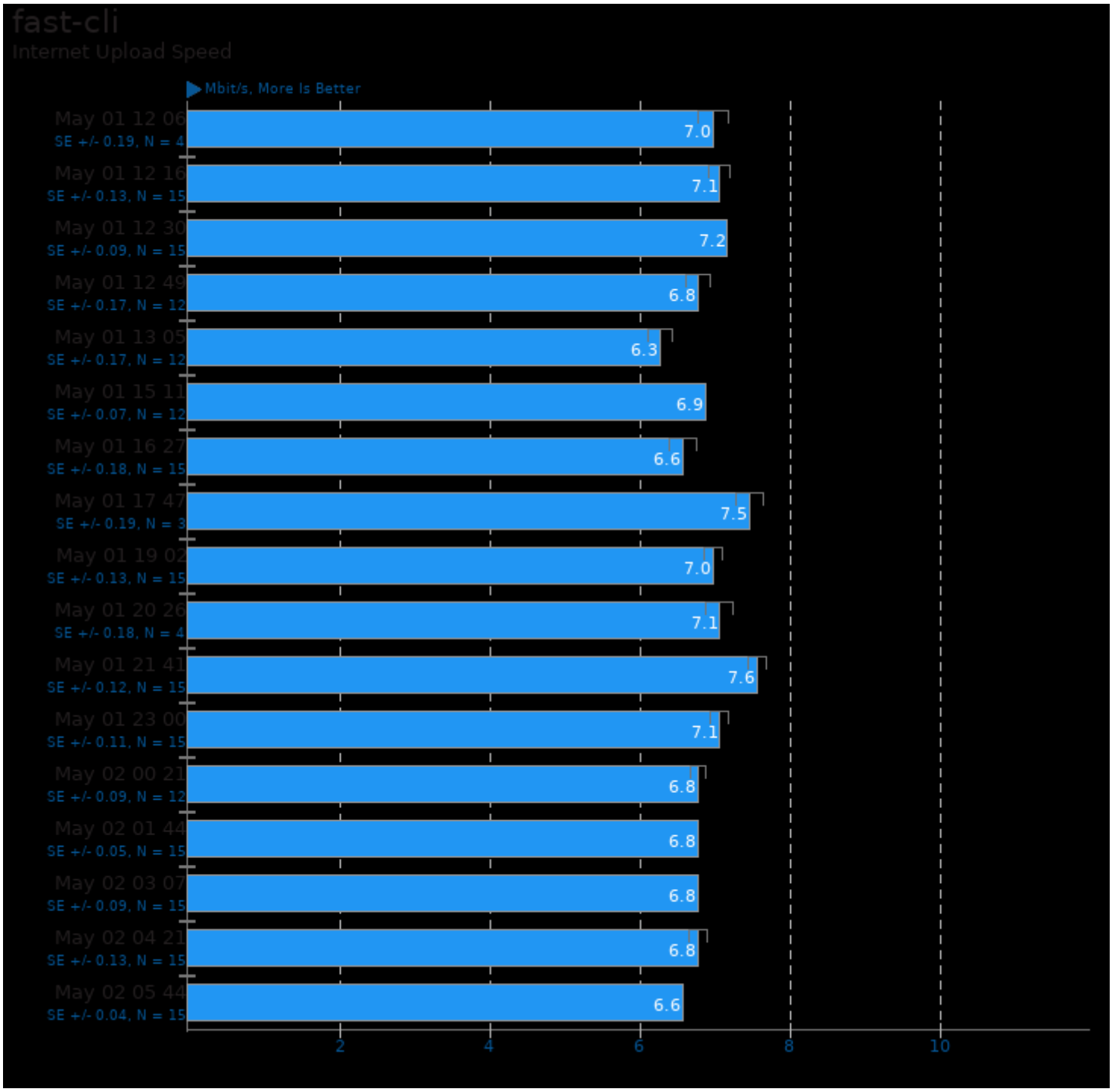
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	May 01 12 06	May 01 12 16	May 01 12 30	May 01 12 49	May 01 13 05	May 01 15 11	May 01 16 27	May 01 17 47	May 01 19 02	May 01 20 26	May 01 21 41	May 01 23 00	May 02 00 21	May 02 01 44	May 02 03 07	May 02 04 21	May 02 05 44
fast-cli - I.D.S (Mbit/s)	228	219	229	238	224	213	215	233	224	223	215	209	223	221	226	219	227
Normalized	95.8%	92.02%	96.22%	100%	94.12%	89.5%	90.34%	97.9%	94.12%	93.7%	90.34%	87.82%	93.7%	92.86%	94.96%	92.02%	95.38%
Standard Deviation	2.2%	9%	5.4%	16.1%	10.3%	8.3%	15%	2.5%	8.2%	2.2%	8.4%	8.7%	9.8%	5%	6.9%	8.2%	7.8%
fast-cli - I.U.S (Mbit/s)	7.0	7.1	7.2	6.8	6.3	6.9	6.6	7.5	7.0	7.1	7.6	7.1	6.8	6.8	6.8	6.8	6.6
Normalized	92.11%	93.42%	94.74%	89.47%	82.89%	90.79%	86.84%	98.68%	92.11%	93.42%	100%	93.42%	89.47%	89.47%	89.47%	89.47%	86.84%
Standard Deviation	5.5%	7.3%	4.8%	8.7%	9.3%	3.4%	10.5%	4.3%	7.1%	5.2%	6%	6.2%	4.8%	3.1%	4.8%	7.4%	2.6%
fast-cli - Internet Latency (ms)	17	18	17	17	18	20	18	18	19	18	18	18	19	18	18	17	17
Normalized	100%	94.44%	100%	100%	94.44%	85%	94.44%	94.44%	89.47%	94.44%	94.44%	94.44%	89.47%	94.44%	94.44%	100%	100%
Standard Deviation	4.8%	14.2%	12.2%	9%	11.6%	6.4%	11.9%	8.6%	12.4%	7.4%	8%	16.1%	7%	12.9%	9%	8.6%	9.7%
fast-cli - I.L.L.B (ms)	85	119	98	68	76	98	92	105	86	108	102	88	104	83	78	85	90
Normalized	80%	57.14%	69.39%	100%	89.47%	69.39%	73.91%	64.76%	79.07%	62.96%	66.67%	77.27%	65.38%	81.93%	87.18%	80%	75.56%
Standard Deviation	37.8%	31.3%	27.5%	31.9%	25.5%	29.8%	29%	8.5%	34.6%	37%	28%	38.1%	28.3%	29.6%	34.4%	31.5%	39.7%
speedtest-cli - I.D.S (Mbit/s)	170.12	175.06	173.28	166.54		129.27	173.25	183.46	183.52	172.69	132.89	90.06	173.91	173.31	164.95	155.33	171.70
Normalized	92.7%	95.39%	94.42%	90.75%		70.44%	94.4%	99.97%	100%	94.1%	72.41%	49.07%	94.76%	94.44%	89.88%	84.64%	93.56%
Standard Deviation	10.5%	2.1%	10.6%	11.2%		26.6%	12.6%	10.1%	7.9%	13.4%	23.9%	24.1%	13.7%	12.9%	1.2%	13.4%	9%
speedtest-cli - I.U.S (Mbit/s)	8.77	8.93	9.27	8.09		7.04	9.24	9.06	8.69	8.76	8.98	7.90	8.92	9.07	8.65	8.69	8.95
Normalized	94.61%	96.33%	100%	87.27%		75.94%	99.68%	97.73%	93.74%	94.5%	96.87%	85.22%	96.22%	97.84%	93.31%	93.74%	96.55%
Standard Deviation	1.5%	2.9%	5.5%	2.6%		36.7%	3.1%	3.6%	5.7%	6.1%	6.1%	11%	4.2%	5.5%	4.9%	4.4%	4.4%
speedtest-cli - Internet Latency (ms)	29.012	29.728	29.918	28.631		33.466	25.891	24.832	24.221	27.812	48.374	51.236	27.085	23.831	32.786	26.837	23.178
Normalized	79.89%	77.97%	77.47%	80.95%		69.26%	89.52%	93.34%	95.69%	83.34%	47.91%	45.24%	85.58%	97.26%	70.69%	86.37%	100%
Standard Deviation	8.8%	8.9%	31.3%	6.6%		45.5%	20%	16.4%	17.8%	39.3%	7.5%	7%	29.3%	14.3%	23.7%	16.9%	7.5%

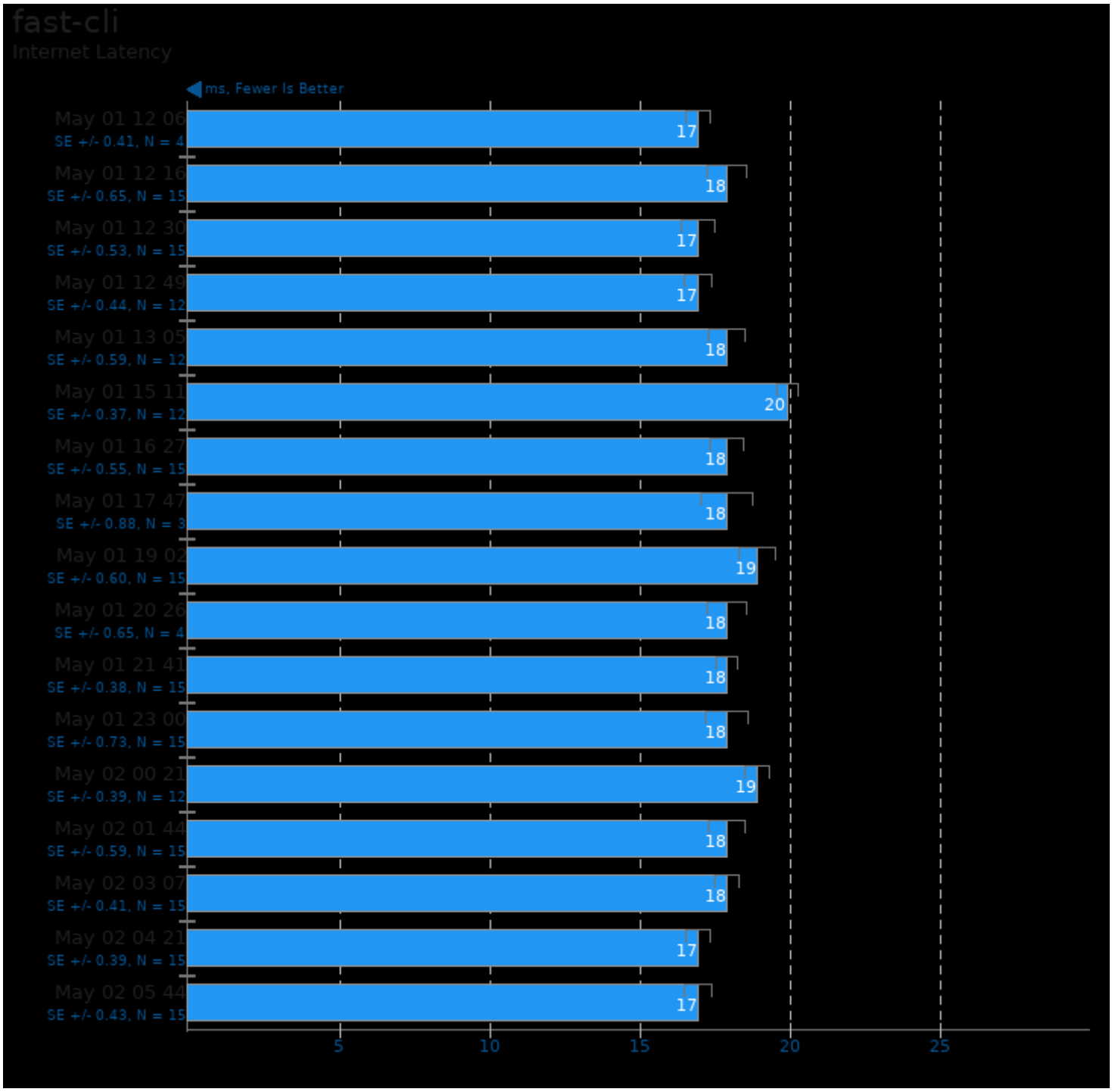
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fast-cli
Internet Download Speed
Mbit/s, More Is Better
May 01 12 06
SE +/- 2.50, N = 4
228
May 01 12 16
SE +/- 5.11, N = 15
219
May 01 12 30
SE +/- 3.22, N = 15
229
May 01 12 49
SE +/- 11.07, N = 12
238
May 01 13 05
SE +/- 6.68, N = 12
224
May 01 15 11
SE +/- 5.12, N = 12
213
May 01 16 27
SE +/- 8.33, N = 15
215
May 01 17 47
SE +/- 3.33, N = 3
233
May 01 19 02
SE +/- 4.76, N = 15
224
May 01 20 26
SE +/- 2.50, N = 4
223
May 01 21 41
SE +/- 4.67, N = 15
215
May 01 23 00
SE +/- 4.67, N = 15
209
May 02 00 21
SE +/- 6.29, N = 12
223
May 02 01 44
SE +/- 2.84, N = 15
221
May 02 03 07
SE +/- 4.00, N = 15
226
May 02 04 21
SE +/- 4.63, N = 15
219
May 02 05 44
SE +/- 4.54, N = 15
227
50
100
150
200
250

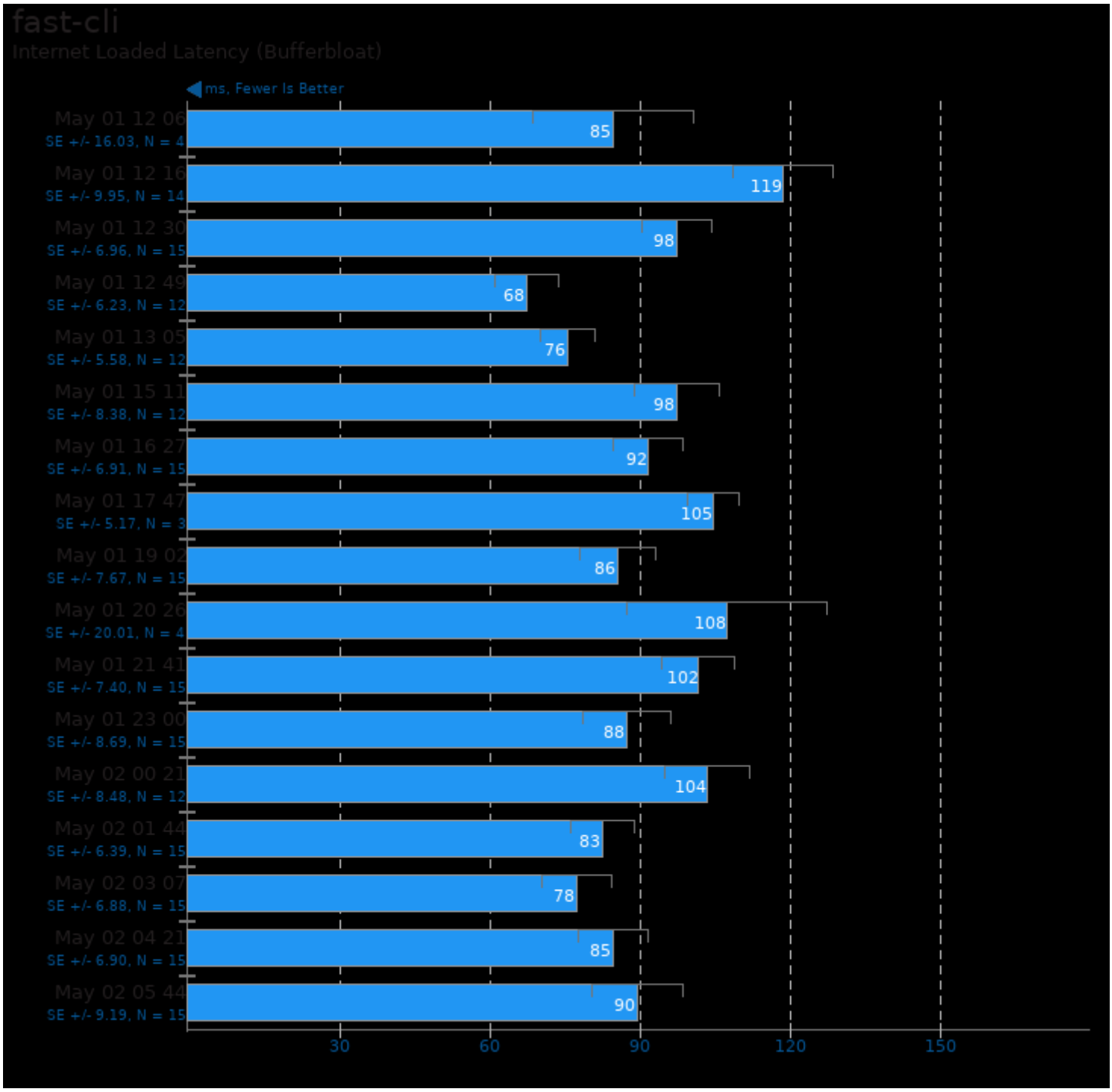
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fast-cli
Internet Upload Speed
Mbit/s, More Is Better
May 01 12 06
SE +/- 0.19, N = 4
7.0
May 01 12 16
SE +/- 0.13, N = 15
7.1
May 01 12 30
SE +/- 0.09, N = 15
7.2
May 01 12 49
SE +/- 0.17, N = 12
6.8
May 01 13 05
SE +/- 0.17, N = 12
6.3
May 01 15 11
SE +/- 0.07, N = 12
6.9
May 01 16 27
SE +/- 0.18, N = 15
6.6
May 01 17 47
SE +/- 0.19, N = 3
7.5
May 01 19 02
SE +/- 0.13, N = 15
7.0
May 01 20 26
SE +/- 0.18, N = 4
7.1
May 01 21 41
SE +/- 0.12, N = 15
7.6
May 01 23 00
SE +/- 0.11, N = 15
7.1
May 02 00 21
SE +/- 0.09, N = 12
6.8
May 02 01 44
SE +/- 0.05, N = 15
6.8
May 02 03 07
SE +/- 0.09, N = 15
6.8
May 02 04 21
SE +/- 0.13, N = 15
6.8
May 02 05 44
SE +/- 0.04, N = 15
6.6
2
4
6
8
10

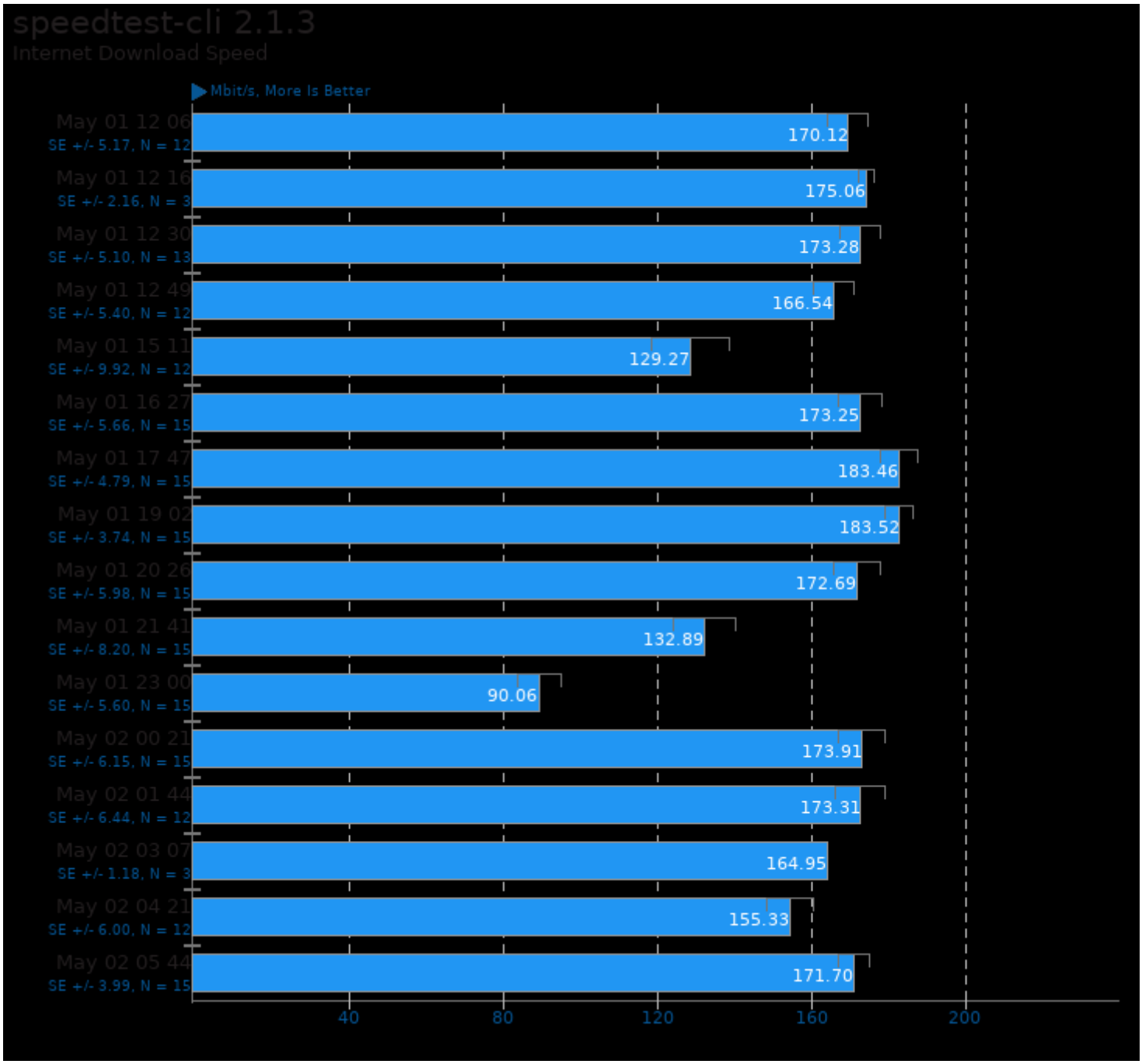
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fast-cli
Internet Latency
ms, Fewer Is Better
May 01 12 06
SE +/- 0.41, N = 4
17
May 01 12 16
SE +/- 0.65, N = 15
18
May 01 12 30
SE +/- 0.53, N = 15
17
May 01 12 49
SE +/- 0.44, N = 12
17
May 01 13 05
SE +/- 0.59, N = 12
18
May 01 15 11
SE +/- 0.37, N = 12
20
May 01 16 27
SE +/- 0.55, N = 15
18
May 01 17 47
SE +/- 0.88, N = 3
18
May 01 19 02
SE +/- 0.60, N = 15
19
May 01 20 26
SE +/- 0.65, N = 4
18
May 01 21 41
SE +/- 0.38, N = 15
18
May 01 23 00
SE +/- 0.73, N = 15
18
May 02 00 21
SE +/- 0.39, N = 12
19
May 02 01 44
SE +/- 0.59, N = 15
18
May 02 03 07
SE +/- 0.41, N = 15
18
May 02 04 21
SE +/- 0.39, N = 15
17
May 02 05 44
SE +/- 0.43, N = 15
17
5
10
15
20
25

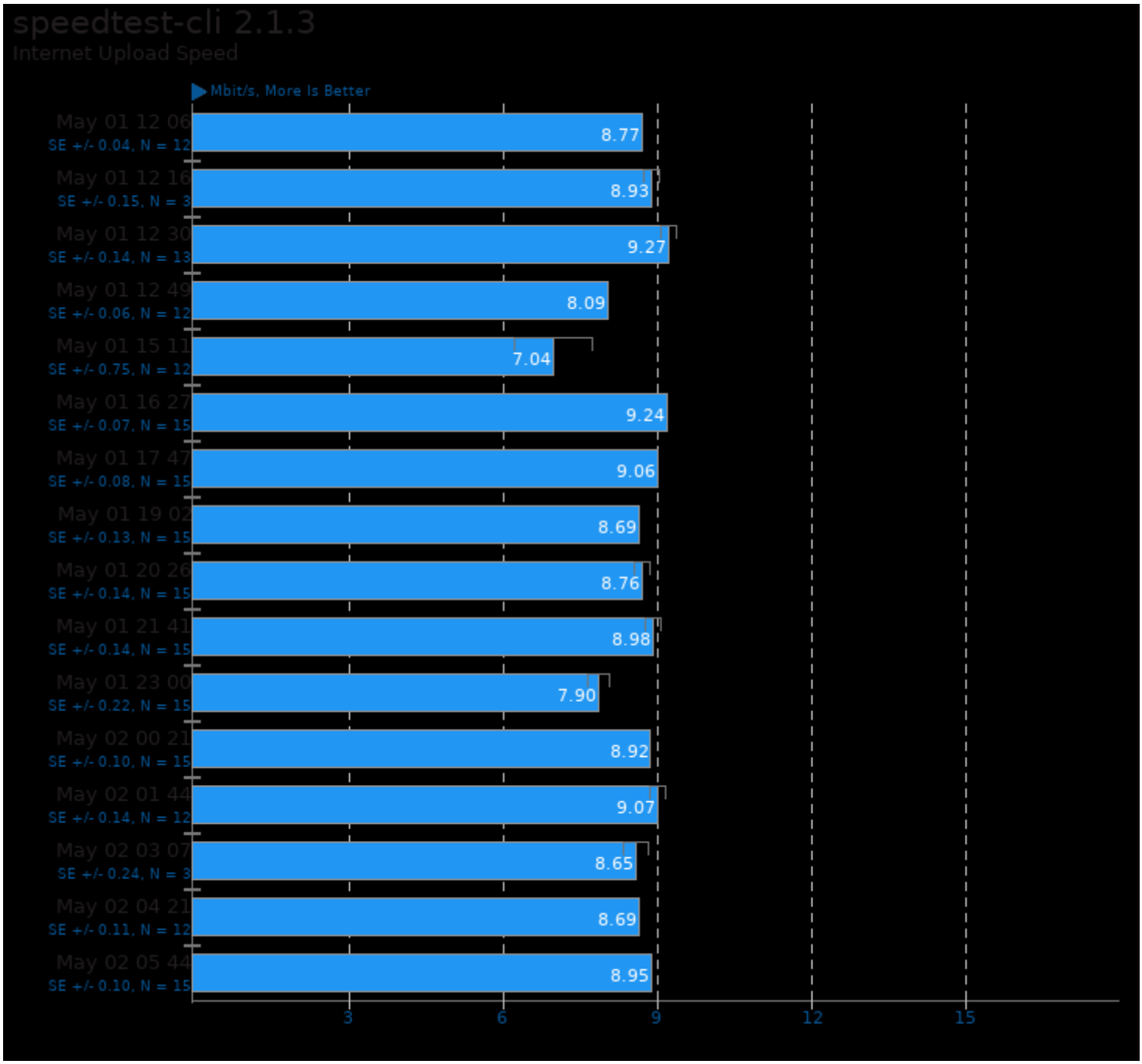
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fast-cli
Internet Loaded Latency (Bufferbloat)
ms, Fewer Is Better
May 01 12 06
SE +/- 16.03, N = 4
85
May 01 12 16
SE +/- 9.95, N = 14
119
May 01 12 30
SE +/- 6.96, N = 15
98
May 01 12 49
SE +/- 6.23, N = 12
68
May 01 13 05
SE +/- 5.58, N = 12
76
May 01 15 11
SE +/- 8.38, N = 12
98
May 01 16 27
SE +/- 6.91, N = 15
92
May 01 17 47
SE +/- 5.17, N = 3
105
May 01 19 02
SE +/- 7.67, N = 15
86
May 01 20 26
SE +/- 20.01, N = 4
108
May 01 21 41
SE +/- 7.40, N = 15
102
May 01 23 00
SE +/- 8.69, N = 15
88
May 02 00 21
SE +/- 8.48, N = 12
104
May 02 01 44
SE +/- 6.39, N = 15
83
May 02 03 07
SE +/- 6.88, N = 15
78
May 02 04 21
SE +/- 6.90, N = 15
85
May 02 05 44
SE +/- 9.19, N = 15
90
30
60
90
120
150

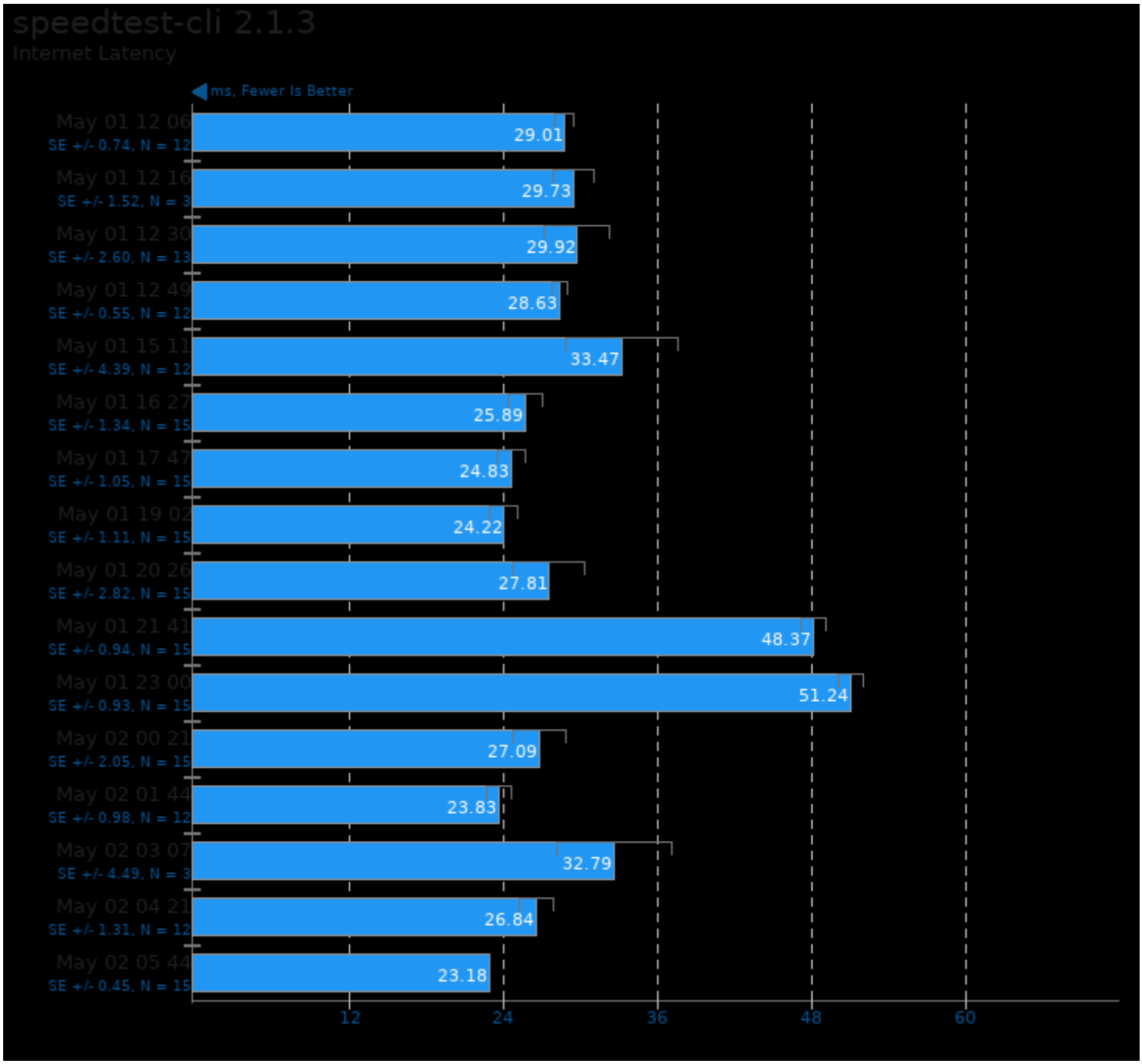
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speedtest-cli 2.1.3
Internet Download Speed
Mbit/s, More Is Better
May 01 12 06
SE +/- 5.17, N = 12
170.12
May 01 12 16
SE +/- 2.16, N = 3
175.06
May 01 12 30
SE +/- 5.10, N = 13
173.28
May 01 12 49
SE +/- 5.40, N = 12
166.54
May 01 15 11
SE +/- 9.92, N = 12
129.27
May 01 16 27
SE +/- 5.66, N = 15
173.25
May 01 17 47
SE +/- 4.79, N = 15
183.46
May 01 19 02
SE +/- 3.74, N = 15
183.52
May 01 20 26
SE +/- 5.98, N = 15
172.69
May 01 21 41
SE +/- 8.20, N = 15
132.89
May 01 23 00
SE +/- 5.60, N = 15
90.06
May 02 00 21
SE +/- 6.15, N = 15
173.91
May 02 01 44
SE +/- 6.44, N = 12
173.31
May 02 03 07
SE +/- 1.18, N = 3
164.95
May 02 04 21
SE +/- 6.00, N = 12
155.33
May 02 05 44
SE +/- 3.99, N = 15
171.70
40
80
120
160
200

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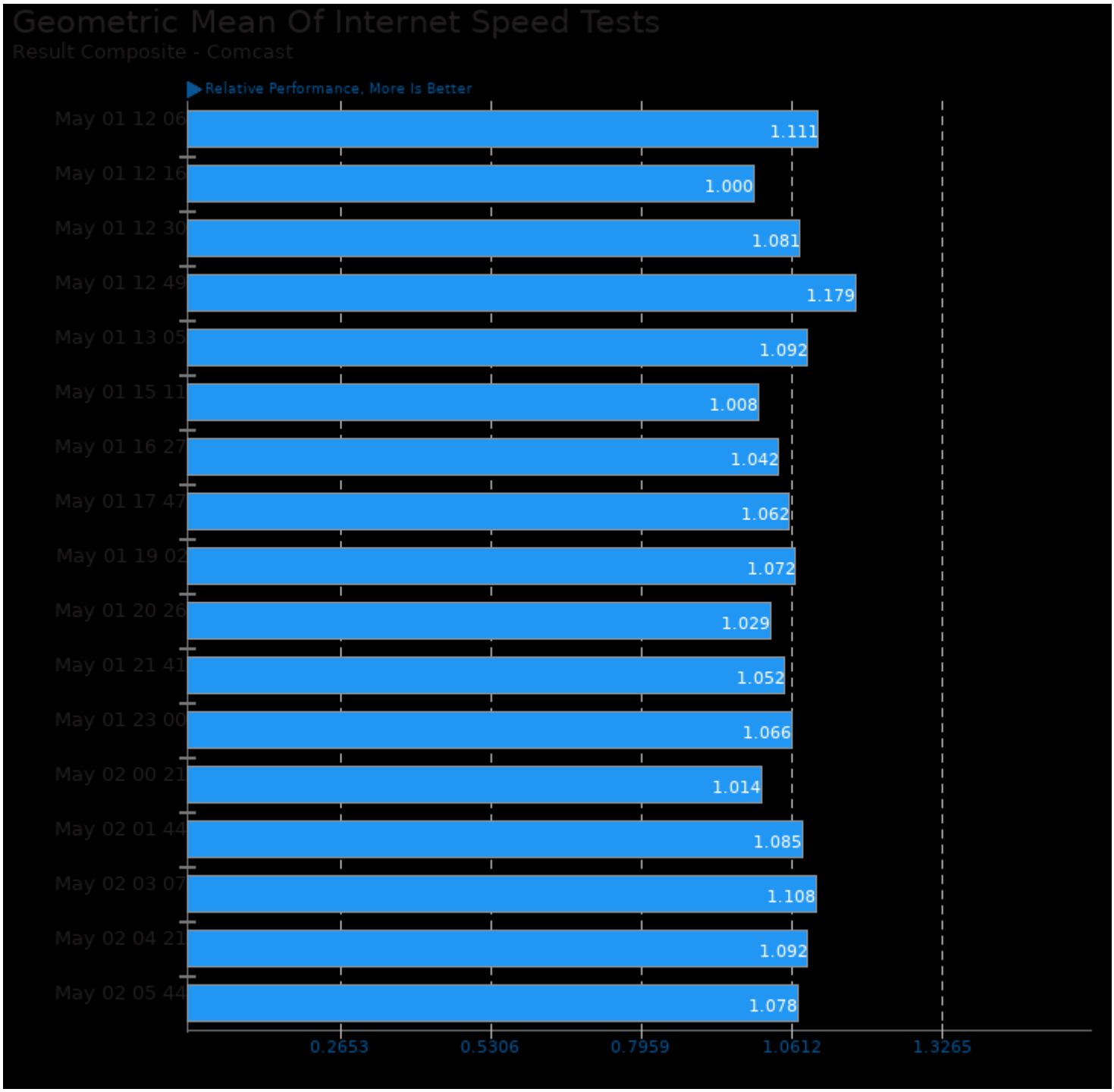

speedtest-cli 2.1.3
Internet Upload Speed
Mbit/s, More Is Better
May 01 12 06
SE +/- 0.04, N = 12
8.77
May 01 12 16
SE +/- 0.15, N = 3
8.93
May 01 12 30
SE +/- 0.14, N = 13
9.27
May 01 12 49
SE +/- 0.06, N = 12
8.09
May 01 15 11
SE +/- 0.75, N = 12
7.04
May 01 16 27
SE +/- 0.07, N = 15
9.24
May 01 17 47
SE +/- 0.08, N = 15
9.06
May 01 19 02
SE +/- 0.13, N = 15
8.69
May 01 20 26
SE +/- 0.14, N = 15
8.76
May 01 21 41
SE +/- 0.14, N = 15
8.98
May 01 23 00
SE +/- 0.22, N = 15
7.90
May 02 00 21
SE +/- 0.10, N = 15
8.92
May 02 01 44
SE +/- 0.14, N = 12
9.07
May 02 03 07
SE +/- 0.24, N = 3
8.65
May 02 04 21
SE +/- 0.11, N = 12
8.69
May 02 05 44
SE +/- 0.10, N = 15
8.95
3
6
9
12
15

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speedtest-cli 2.1.3
Internet Latency
ms, Fewer Is Better
May 01 12 06
SE +/- 0.74, N = 12
29.01
May 01 12 16
SE +/- 1.52, N = 3
29.73
May 01 12 30
SE +/- 2.60, N = 13
29.92
May 01 12 49
SE +/- 0.55, N = 12
28.63
May 01 15 11
SE +/- 4.39, N = 12
33.47
May 01 16 27
SE +/- 1.34, N = 15
25.89
May 01 17 47
SE +/- 1.05, N = 15
24.83
May 01 19 02
SE +/- 1.11, N = 15
24.22
May 01 20 26
SE +/- 2.82, N = 15
27.81
May 01 21 41
SE +/- 0.94, N = 15
48.37
May 01 23 00
SE +/- 0.93, N = 15
51.24
May 02 00 21
SE +/- 2.05, N = 15
27.09
May 02 01 44
SE +/- 0.98, N = 12
23.83
May 02 03 07
SE +/- 4.49, N = 3
32.79
May 02 04 21
SE +/- 1.31, N = 12
26.84
May 02 05 44
SE +/- 0.45, N = 15
23.18
12
24
36
48
60

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



Geometric mean based upon tests: pts/fast-cli and pts/speedtest-cli

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 04:37.