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Kaveri Vulkan RADV Performance

AMD A10-7870K Radeon R7 12 Compute Cores 4C+8G testing with a ASUS A88XM-E (2001 BIOS) and ASUS AMD Radeon R7 1024MB on Ubuntu 18.04 via the Phoronix Test Suite.

Test Systems:

Kaveri

Processor: AMD A10-7870K Radeon R7 12 Compute Cores 4C+8G @ 3.90GHz (2 Cores / 4 Threads), Motherboard: ASUS A88XM-E (2001 BIOS), Chipset: AMD Family 15h, Memory: 15360MB, Disk: 525GB SABRENT + 250GB Samsung SSD 850, Graphics: ASUS AMD Radeon R7 1024MB, Audio: AMD Kaveri HDMI/DP, Monitor: VE228, Network: Realtek RTL8111/8168/8411

OS: Ubuntu 18.04, Kernel: 4.15.0-20-generic (x86_64), Desktop: GNOME Shell 3.28.1, Display Driver: modesetting 1.19.6, OpenGL: 4.5 Mesa 18.2.0-devel (LLVM 6.0.0), Compiler: GCC 7.3.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: radeon.cik_support=0 radeon.si_support=0 amdgpu.si_support=1 amdgpu.cik_support=1
Processor Notes: Scaling Governor: acpi-cpufreq performance

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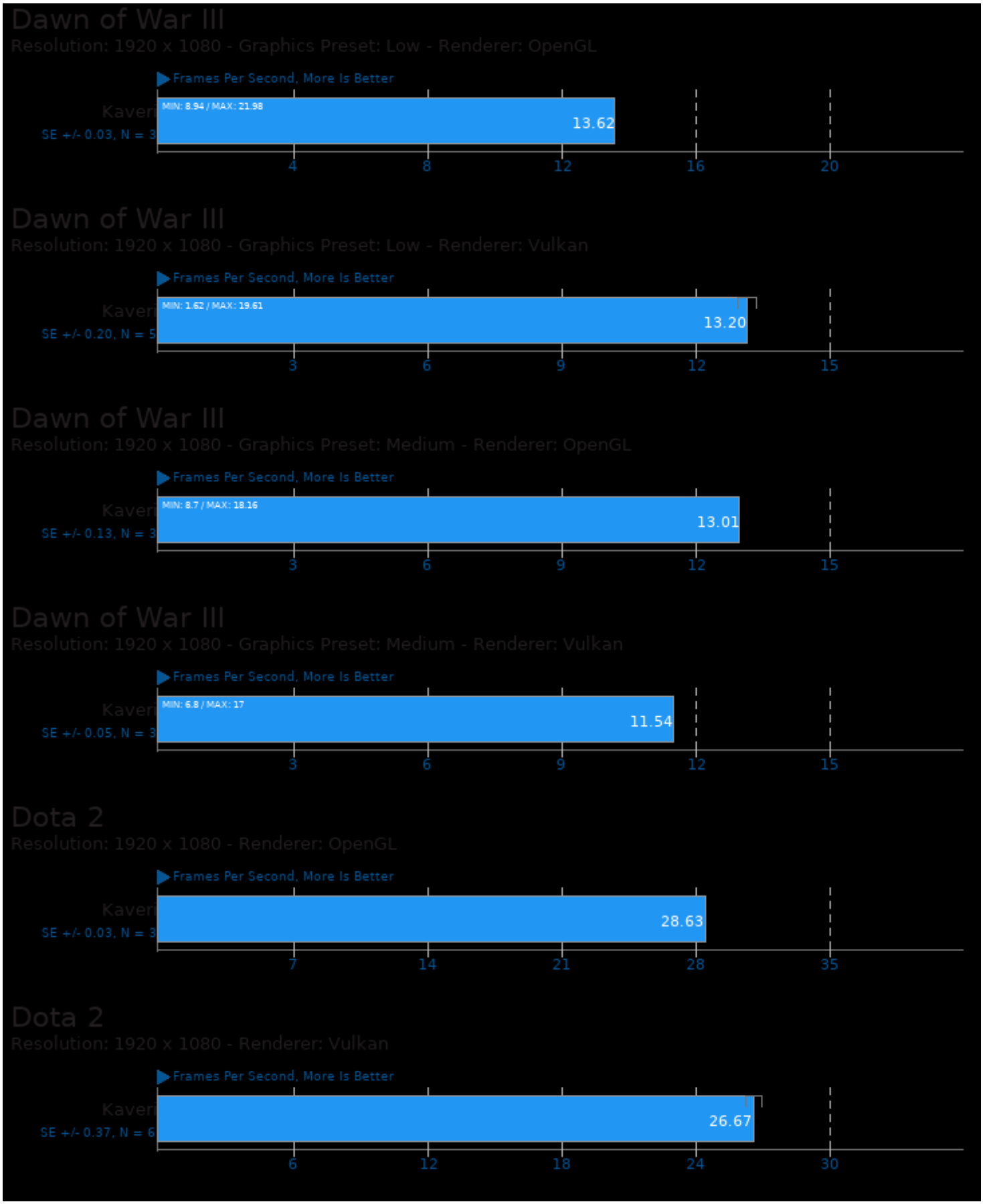
Graphics Notes: GLAMOR
Security Notes: __user pointer sanitization + Full AMD retpoline Protection

	Kaveri
Dawn of War III - 1920 x 1080 - Low - OpenGL (FPS)	13.62
Standard Deviation	0.4%
Dawn of War III - 1920 x 1080 - Low - Vulkan (FPS)	13.20
Standard Deviation	3.4%
Dawn of War III - 1920 x 1080 - Medium - OpenGL (FPS)	13.01
Standard Deviation	1.7%
Dawn of War III - 1920 x 1080 - Medium - Vulkan (FPS)	11.54
Standard Deviation	0.7%
Dota 2 - 1920 x 1080 - OpenGL (FPS)	28.63
Standard Deviation	0.2%
Dota 2 - 1920 x 1080 - Vulkan (FPS)	26.67
Standard Deviation	3.4%
F1 2017 - 1920 x 1080 - Low - Off (FPS)	26
F1 2017 - 1920 x 1080 - Medium - Off (FPS)	24
F1 2017 - 1920 x 1080 - Ultra Low - Off (FPS)	29
Mad Max - 1920 x 1080 - Default - OpenGL - Camp Hollow Point	20.16
Mad Max - 1920 x 1080 - Default - OpenGL - Stronghold (FPS)	18.66
Mad Max - 1920 x 1080 - Default - OpenGL - H.G.a.D.i.D (FPS)	20.29
Mad Max - 1920 x 1080 - Default - OpenGL - Landmover (FPS)	23.13
Mad Max - 1920 x 1080 - Default - Vulkan - Camp Hollow Point	20.31
Mad Max - 1920 x 1080 - Default - Vulkan - Stronghold (FPS)	17.94
Mad Max - 1920 x 1080 - Default - Vulkan - H.G.a.D.i.D (FPS)	18.79
Mad Max - 1920 x 1080 - Default - Vulkan - Landmover (FPS)	21.39
Rise of the Tomb Raider - 1920 x 1080 - Low - Off - S.O.T.M (FPS)	18.90
Standard Deviation	5%
Rise of the Tomb Raider - 1920 x 1080 - Low - Off - Prophets Tomb (FPS)	12.80
Standard Deviation	4.1%
Rise of the Tomb Raider - 1920 x 1080 - Low - Off - Geothermal Valley (FPS)	14.70
Standard Deviation	2.4%
Rise of the Tomb Raider - 1920 x 1080 - Lowest - Off - S.O.T.M	23.00
Standard Deviation	0.6%
Rise of the Tomb Raider - 1920 x 1080 - Lowest - Off - Prophets Tomb (FPS)	15.10
Standard Deviation	0%
Rise of the Tomb Raider - 1920 x 1080 - Lowest - Off - Geothermal Valley (FPS)	17.75
Standard Deviation	1.2%
Rise of the Tomb Raider - 1920 x 1080 - Medium - Off - S.O.T.M	15.45
Standard Deviation	1.4%

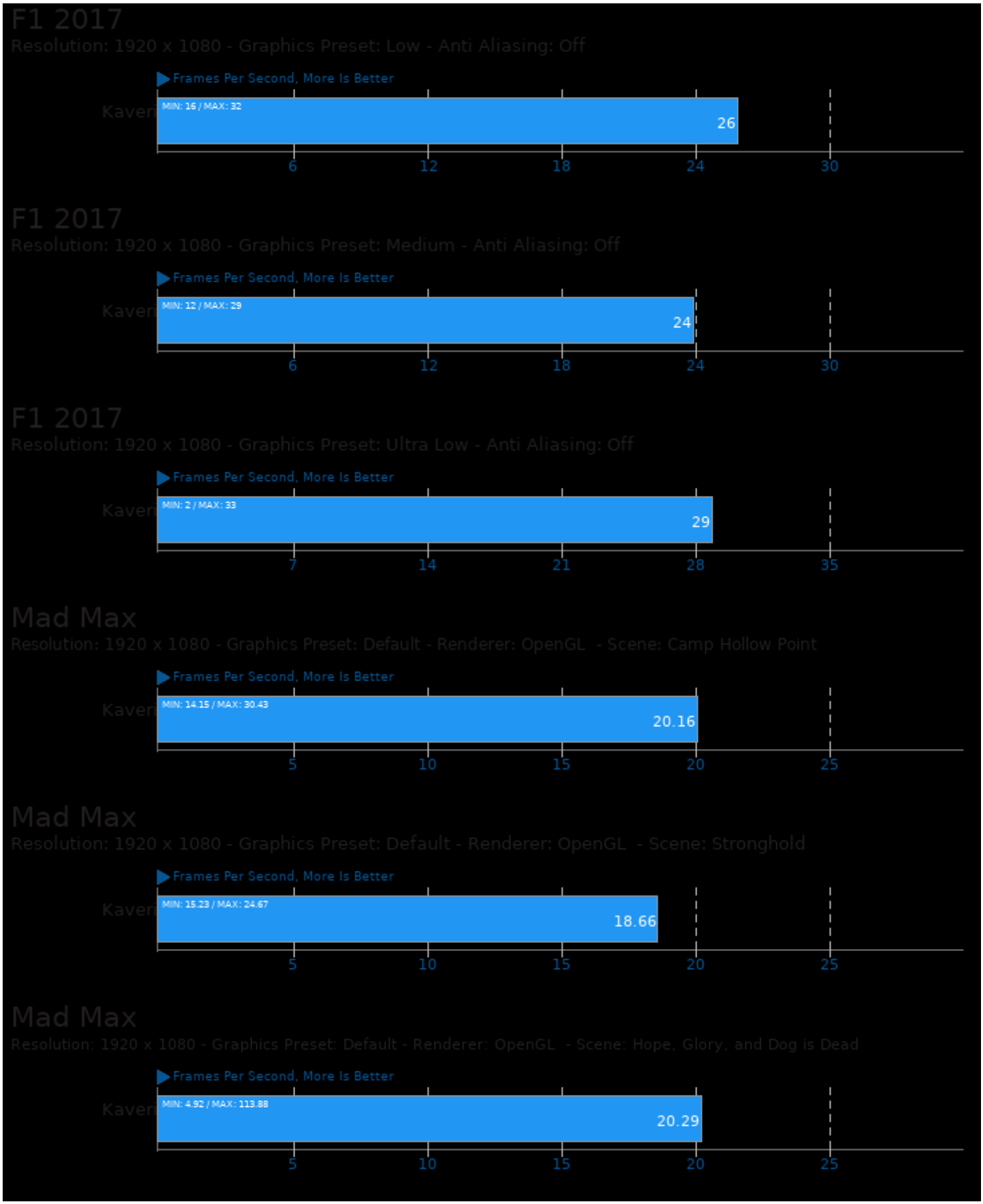
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Rise of the Tomb Raider - 1920 x 1080 - Medium - Off - Prophets Tomb (FPS)	11.20
Standard Deviation	2.5%
Rise of the Tomb Raider - 1920 x 1080 - Medium - Off - Geothermal Valley (FPS)	12.35
Standard Deviation	0.6%
Serious Sam 3: BFE - 1920 x 1080 - Low - Vulkan (FPS)	23.50
Standard Deviation	12.5%
Serious Sam 3: BFE - 1920 x 1080 - High - Vulkan (FPS)	17.83
Standard Deviation	7.9%
The Talos Principle - Vulkan - 1920 x 1080 (FPS)	14.67
Standard Deviation	2.2%

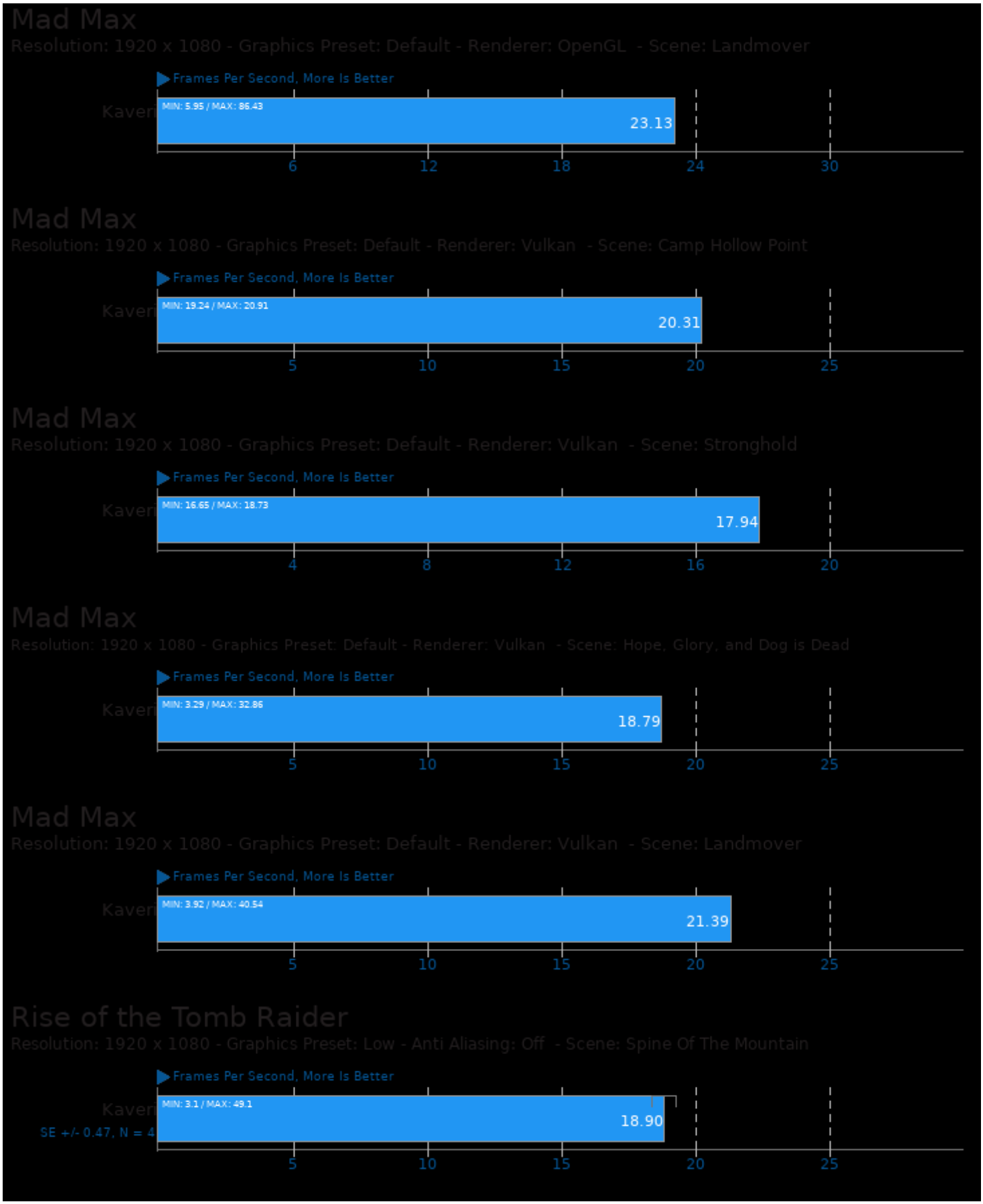
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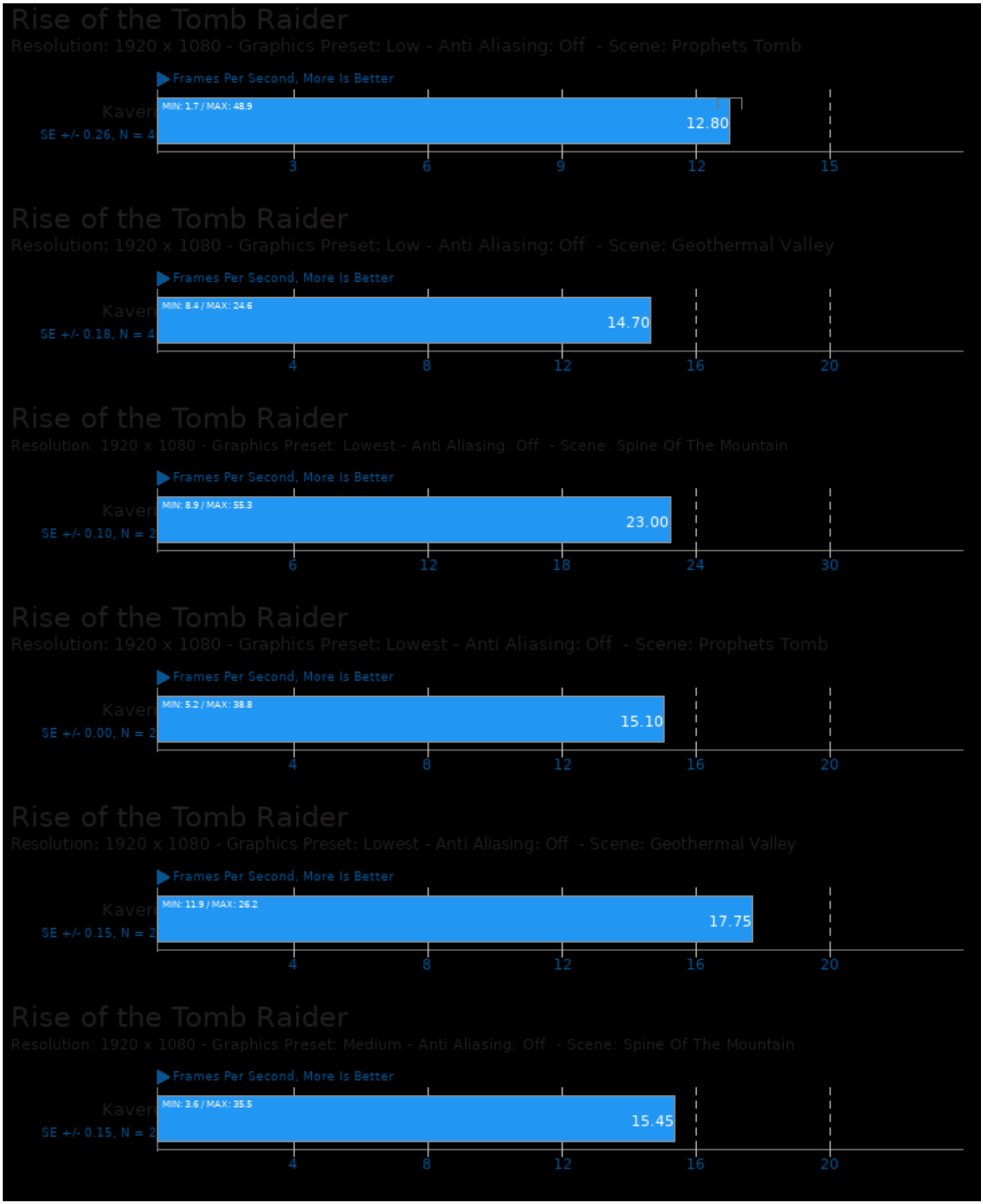
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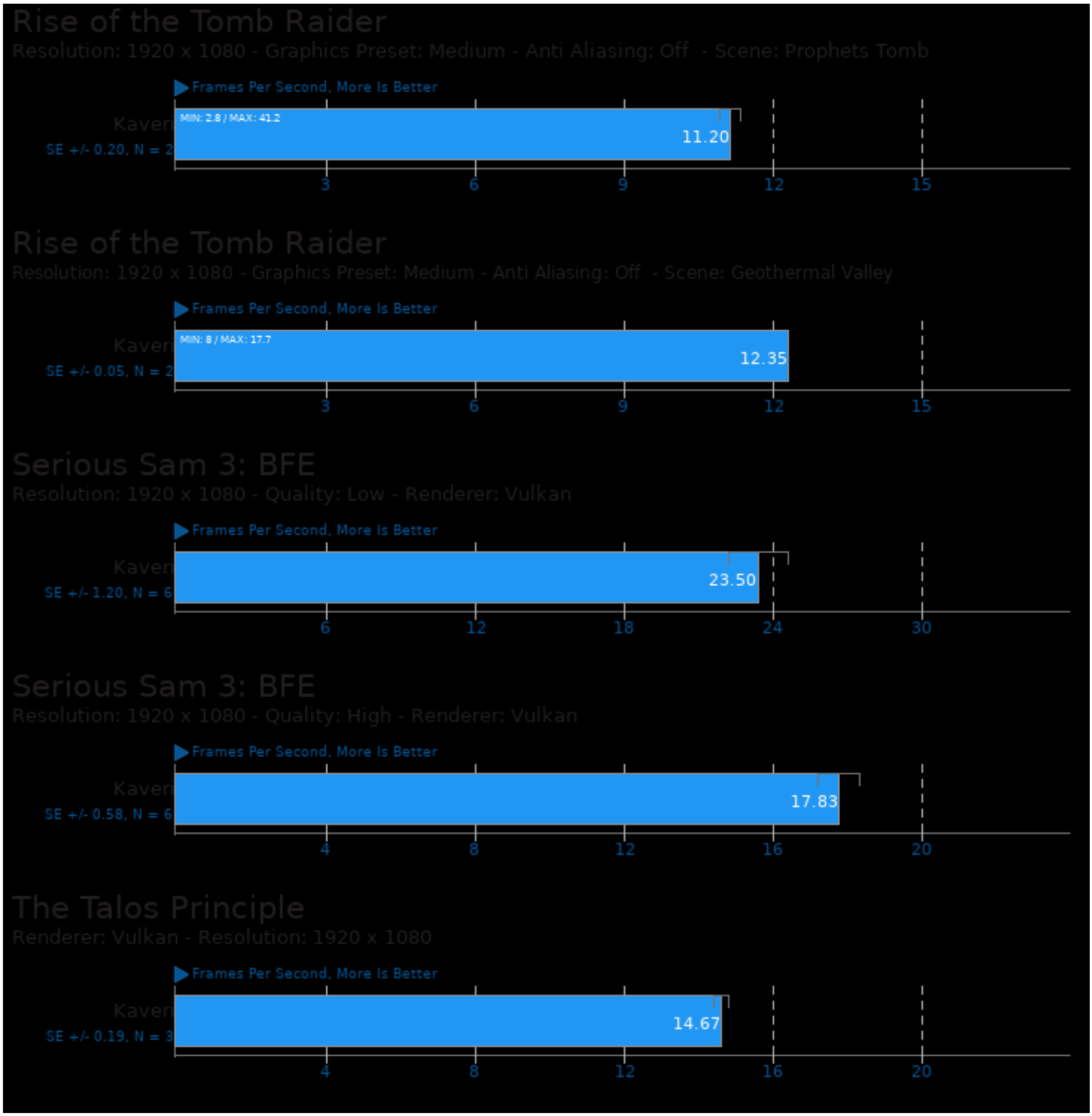
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