

www.phoronix-test-suite.com

A10-8700P Monitor Test

AMD Embedded G GX-420GI Radeon R7E testing with a HP 8158 (M40 v01.08 BIOS) and AMD Radeon R5/R6/R7 on Debian 11 via the Phoronix Test Suite.

Test Systems:

AMD A10-8700P Radeon R6 10 Compute Cores 4C

Processor: AMD A10-8700P Radeon R6 10 Compute Cores 4C+6G @ 1.80GHz (4 Cores), Motherboard: FF50 06F6, Chipset: AMD Device 1576, Memory: 8192MB, Disk: 1000GB TOSHIBA MQ01ABD1, Graphics: AMD Carrizo 512MB, Audio: AMD Kabini HDMI/DP, Network: Realtek RTL8101/2/6E + Realtek RTL8723BE PCIe Wireless

OS: Ubuntu 15.10, Kernel: 4.2.0-16-generic (x86_64), Desktop: Unity, Display Server: X Server 1.17.2, Display Driver: radeon 7.5.99, Compiler: GCC 5.2.1 20151010, File-System: SquashFS, Screen Resolution: 1366x768

Compiler Notes: --build=x86_64-linux-gnu --disable-browser-plugin --disable-vtable-verify --disable-werror --enable-checking=release --enable-clocale=gnu --enable-gnu-unique-object --enable-gtk-cairo --enable-java-awt=gtk --enable-java-home --enable-languages=c,ada,c++,java,go,d,fortran,objc,obj-c++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-arch-directory=amd64 --with-default-libstdcxx-abi=new --with-multilib-list=m32,m64,mx32 --with-tune=generic -v

A10-8700P Monitor Test

Processor Notes: Scaling Governor: acpi-cpufreq ondemand

HP ThinC T630 GX420

Processor: AMD Embedded G GX-420GI Radeon R7E @ 2.00GHz (2 Cores / 4 Threads), Motherboard: HP 8158 (M40 v01.08 BIOS), Chipset: AMD 15h, Memory: 2 x 4 GB DDR4-1866MT/s Micron 4ATF51264HZ-2G3B1, Disk: 32GB SanDisk SD8SMAT-, Graphics: AMD Radeon R5/R6/R7, Audio: AMD Kabini HDMI/DP, Network: Realtek RTL8111/8168/8411 + Intel Dual Band-AC 3168NGW

OS: Debian 11, Kernel: 5.10.0-10-amd64 (x86_64), Desktop: Cinnamon 4.8.6, Display Server: X Server 1.20.11, Vulkan: 1.0.2, Compiler: GCC 10.2.1 20210110, File-System: ext4, Screen Resolution: 2560x1440

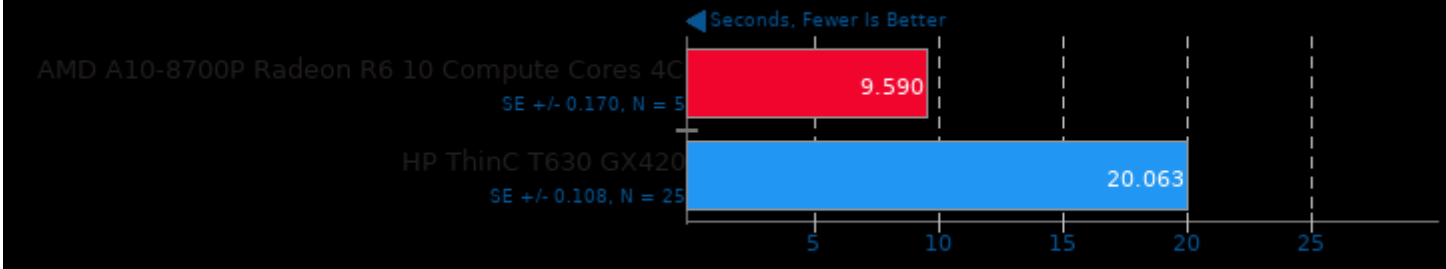
Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-bootstrap --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,brig,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-link-mutex --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-10-Km9U7s/gcc-10-10.2.1/debian/tmp-gcn/usr, hsa --enable-plugin --enable-shared --enable-threads=posix --host=x86_64-linux-gnu --program-prefix=x86_64-linux-gnu- --target=x86_64-linux-gnu --with-abi=m64 --with-arch-32=i686 --with-build-config=bootstrap-lto-lean --with-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: acpi-cpufreq schedutil (Boost: Enabled) - CPU Microcode: 0x600611a
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 Full AMD retpoline IBPB: conditional STIBP: disabled RSB filling + srbds: Not affected + tsx_async_abort: Not affected

	AMD A10-8700P Radeon R6 10 Compute Cores 4C	HP ThinC T630 GX420
FLAC Audio Encoding - WAV To FLAC (sec)	**9.59**	**20.063**
Normalized	100%	47.8%
Standard Deviation	4%	2.7%
C-Ray - Total Time (sec)	**84.90**	**149.897**
Normalized	100%	56.64%
Standard Deviation	0.1%	0.3%
Stockfish - Total Time (ms)	**6310**	**11022**
Normalized	100%	57.25%
Standard Deviation	0.1%	2.6%
OpenSSL - R.4.b.P (Signs/sec)	**213.33**	**111.8**
Normalized	100%	52.41%
Standard Deviation	0.2%	10.2%

A10-8700P Monitor Test

FLAC Audio Encoding 1.3.1

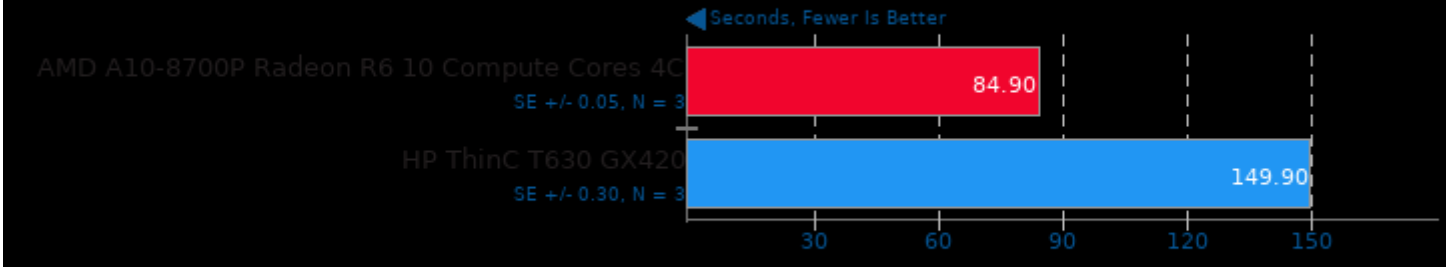
WAV To FLAC



1. (CXX) g++ options: -O2 -fvisibility=hidden -lm

C-Ray 1.1

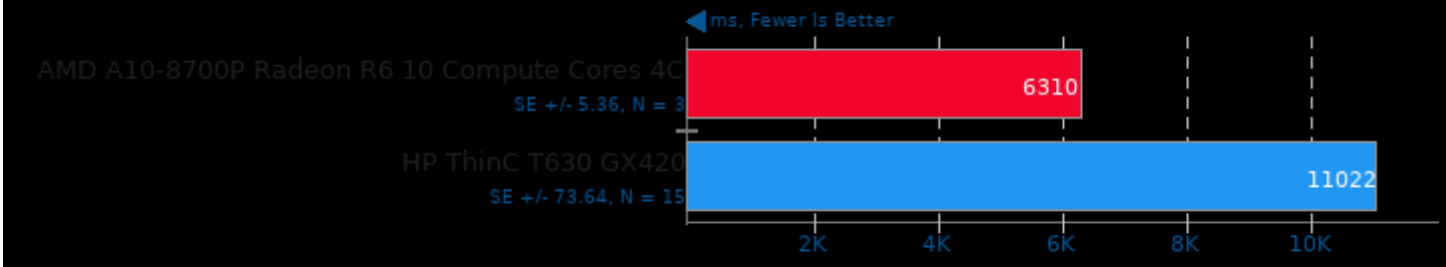
Total Time



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

Stockfish 2014-11-26

Total Time

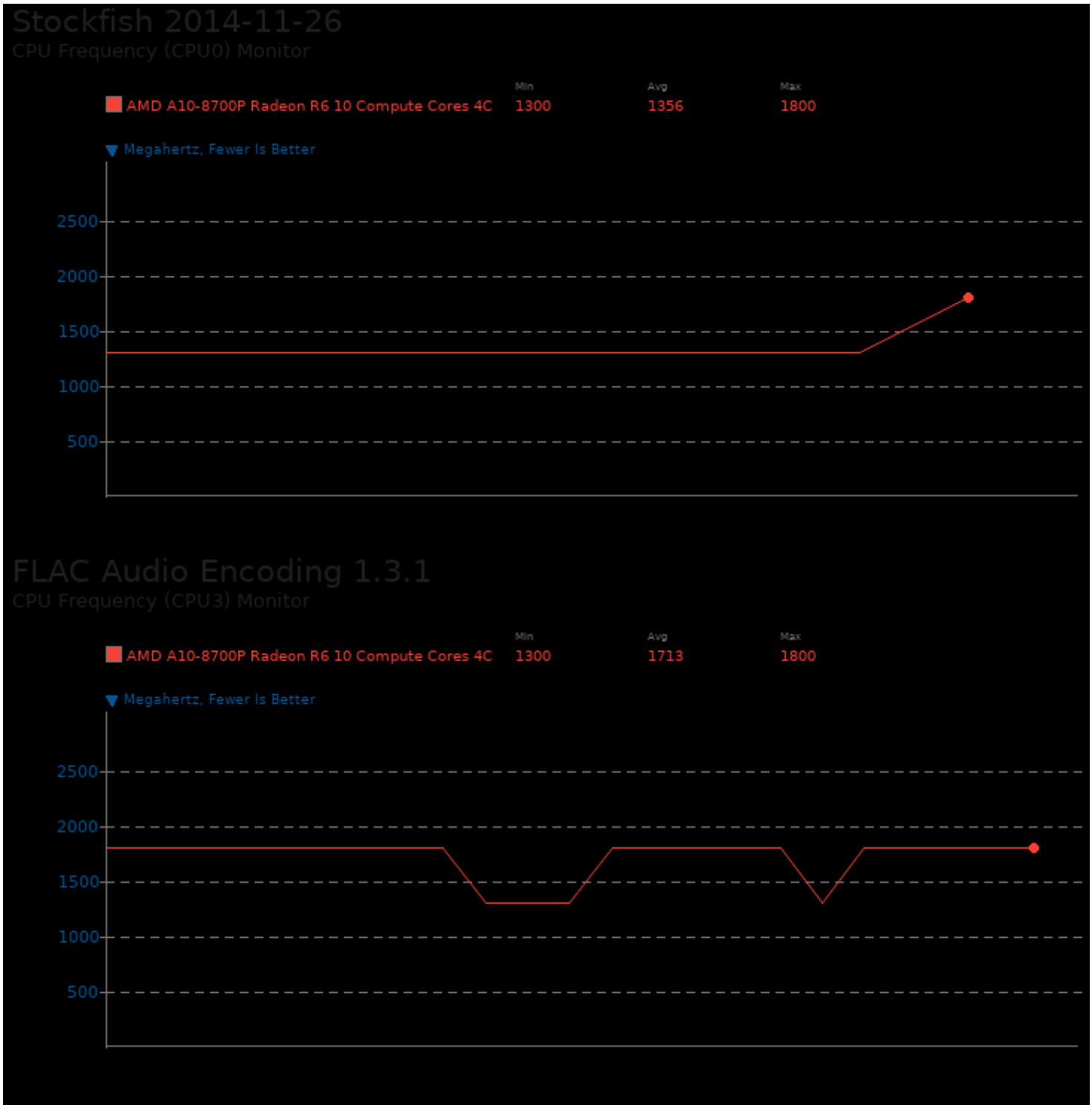


1. (CXX) g++ options: -lpthread -fno-exceptions -fno-rtti -ansi -pedantic -O3 -msse -msse3 -mpopcnt -flto

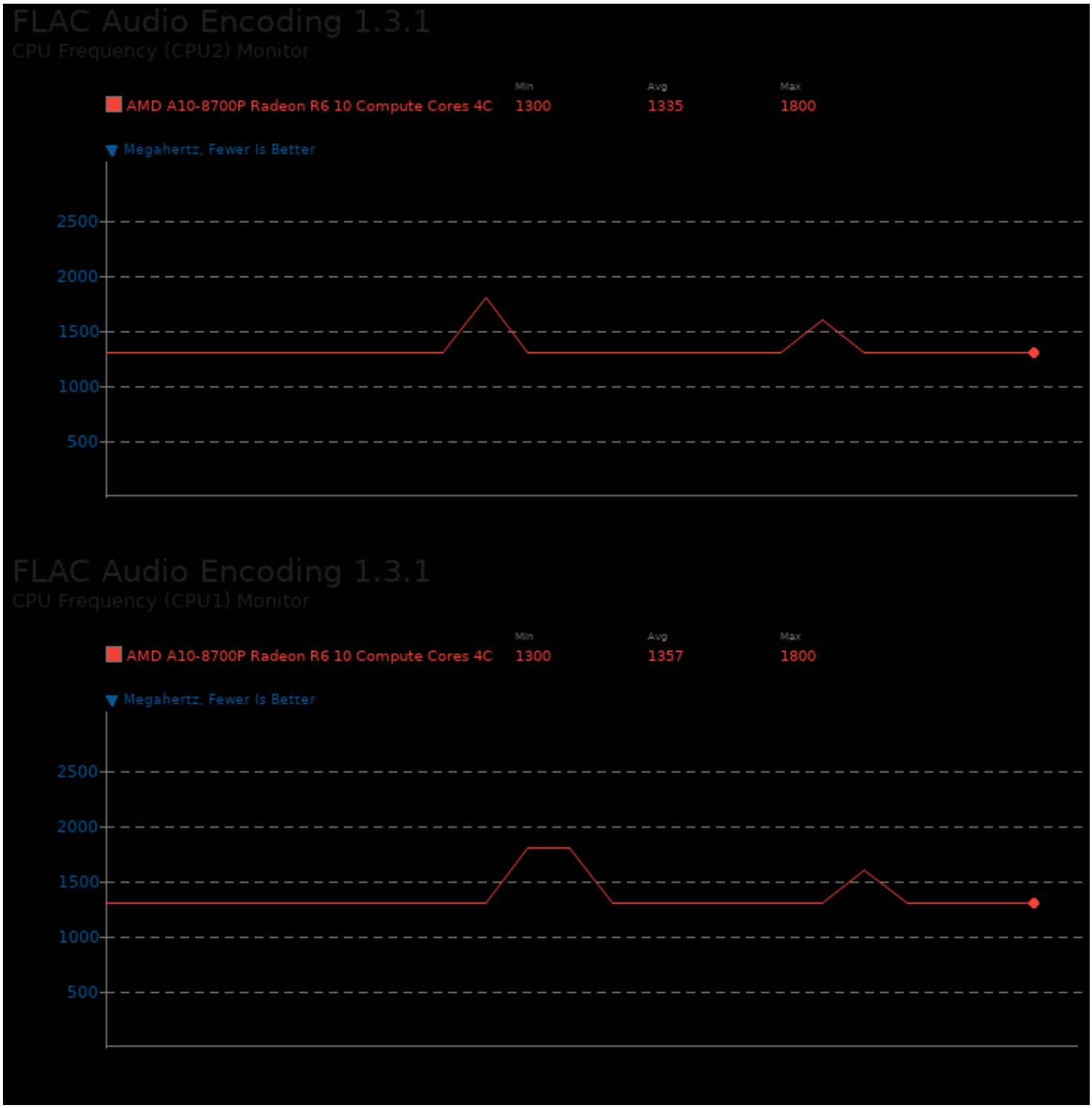
A10-8700P Monitor Test



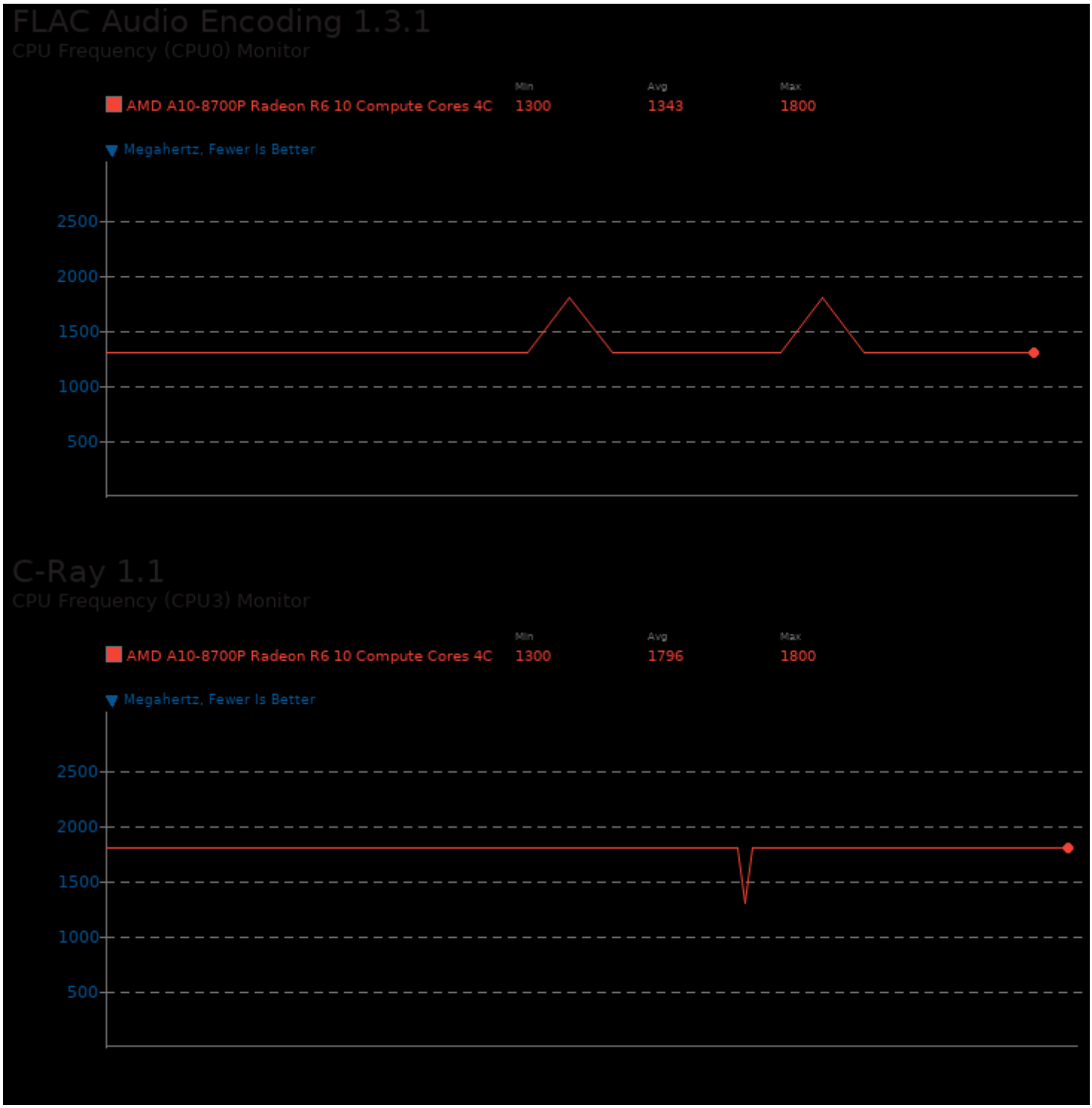
A10-8700P Monitor Test



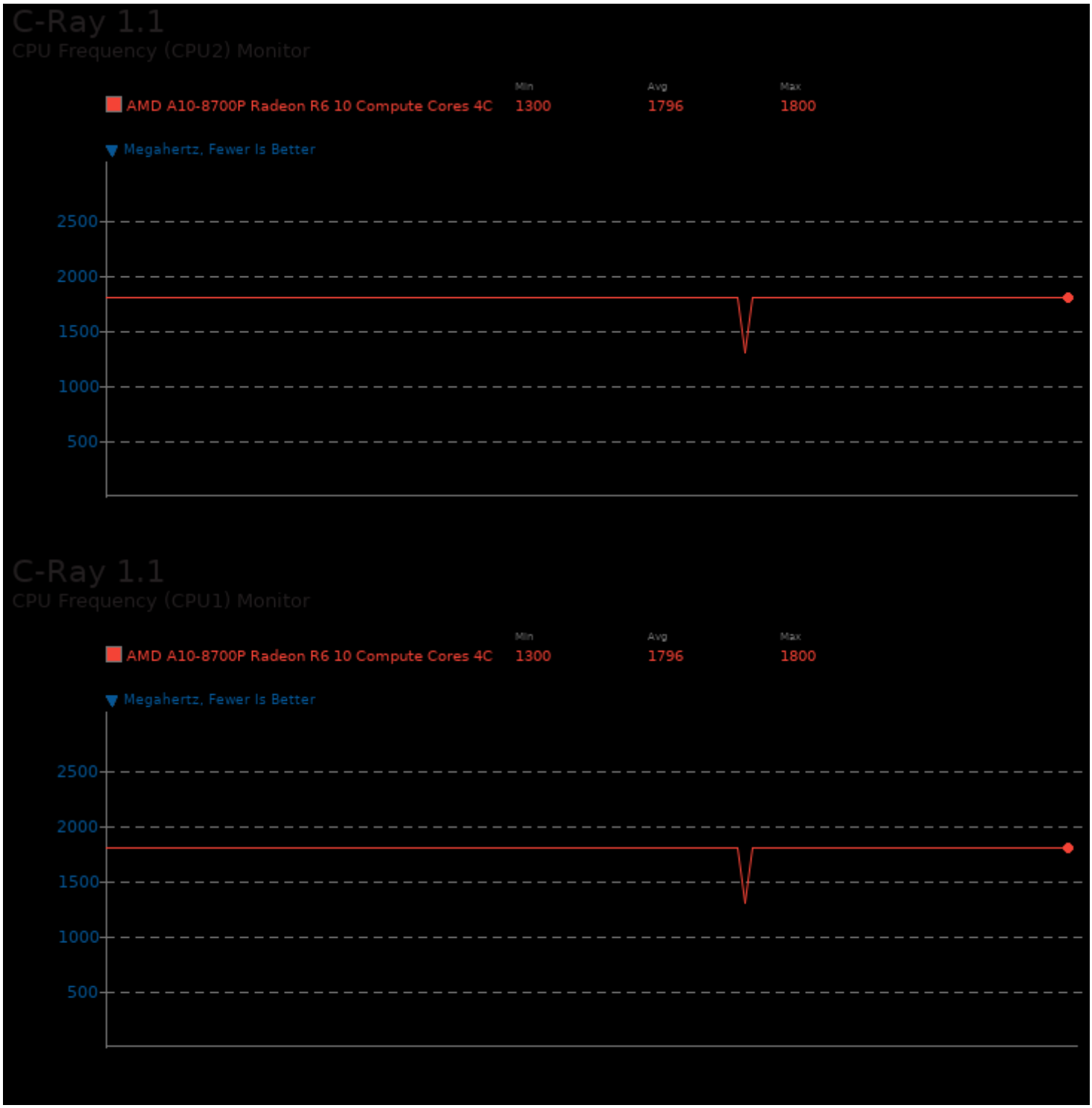
A10-8700P Monitor Test



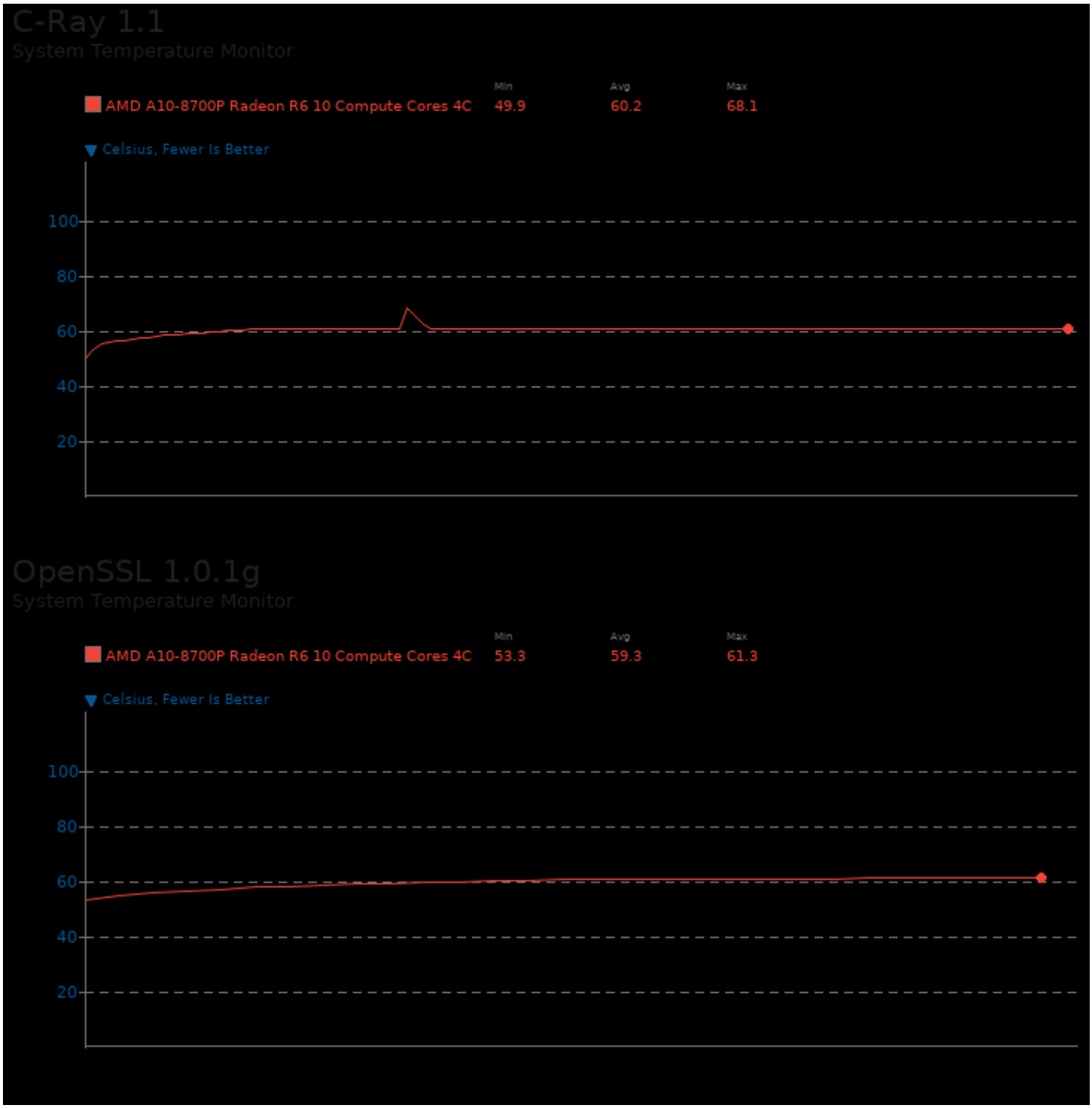
A10-8700P Monitor Test



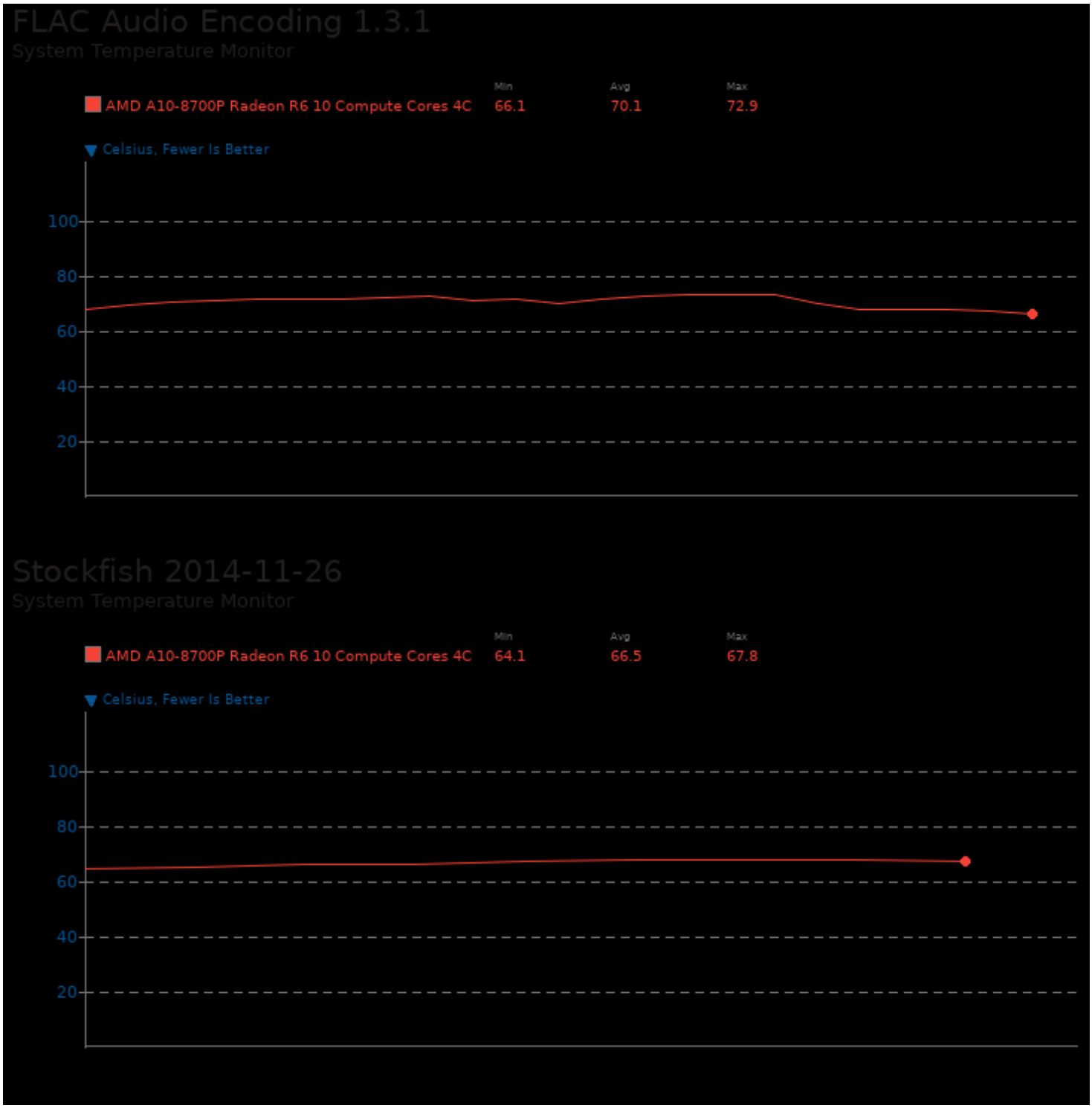
A10-8700P Monitor Test



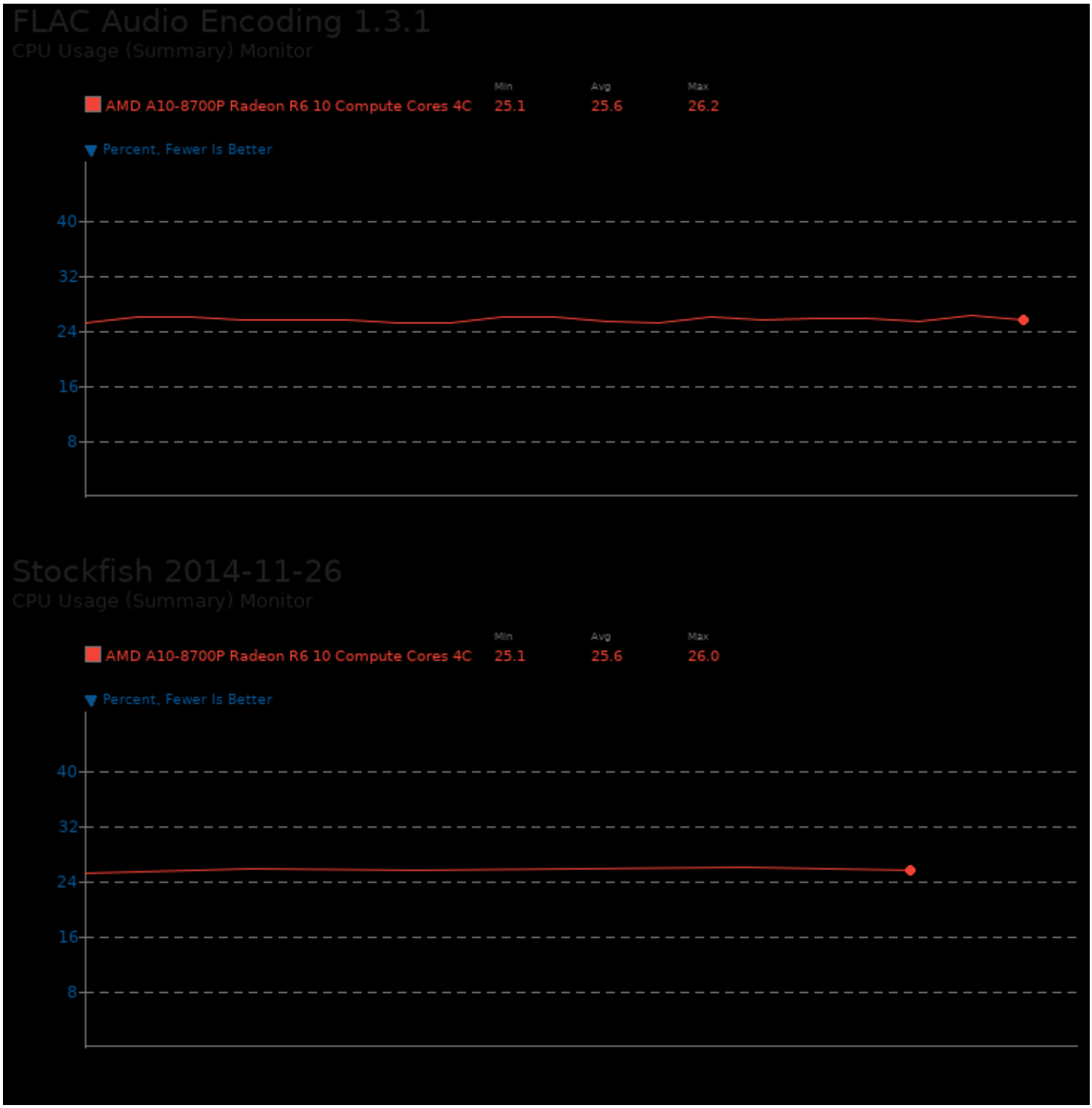
A10-8700P Monitor Test



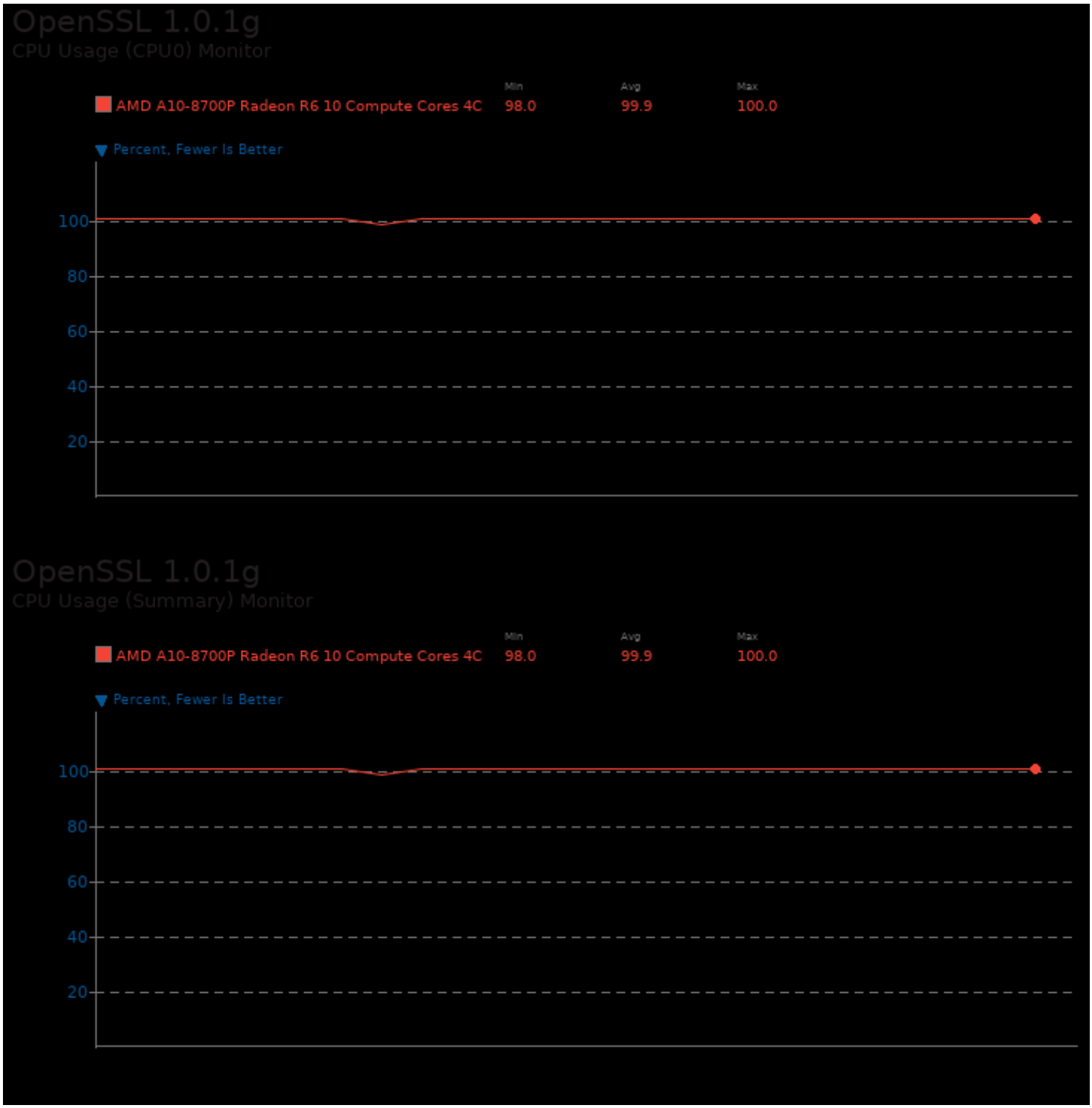
A10-8700P Monitor Test



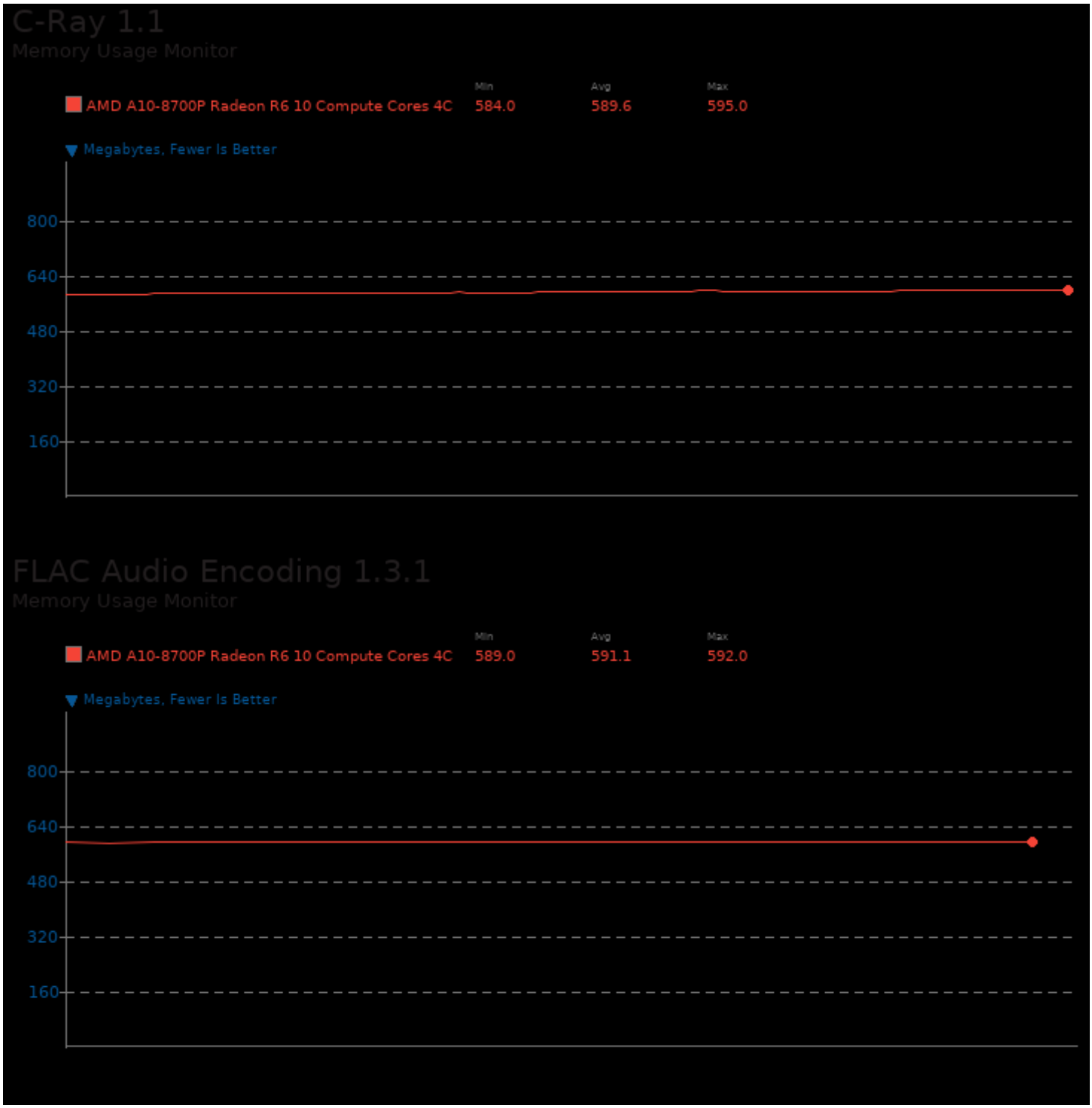
A10-8700P Monitor Test



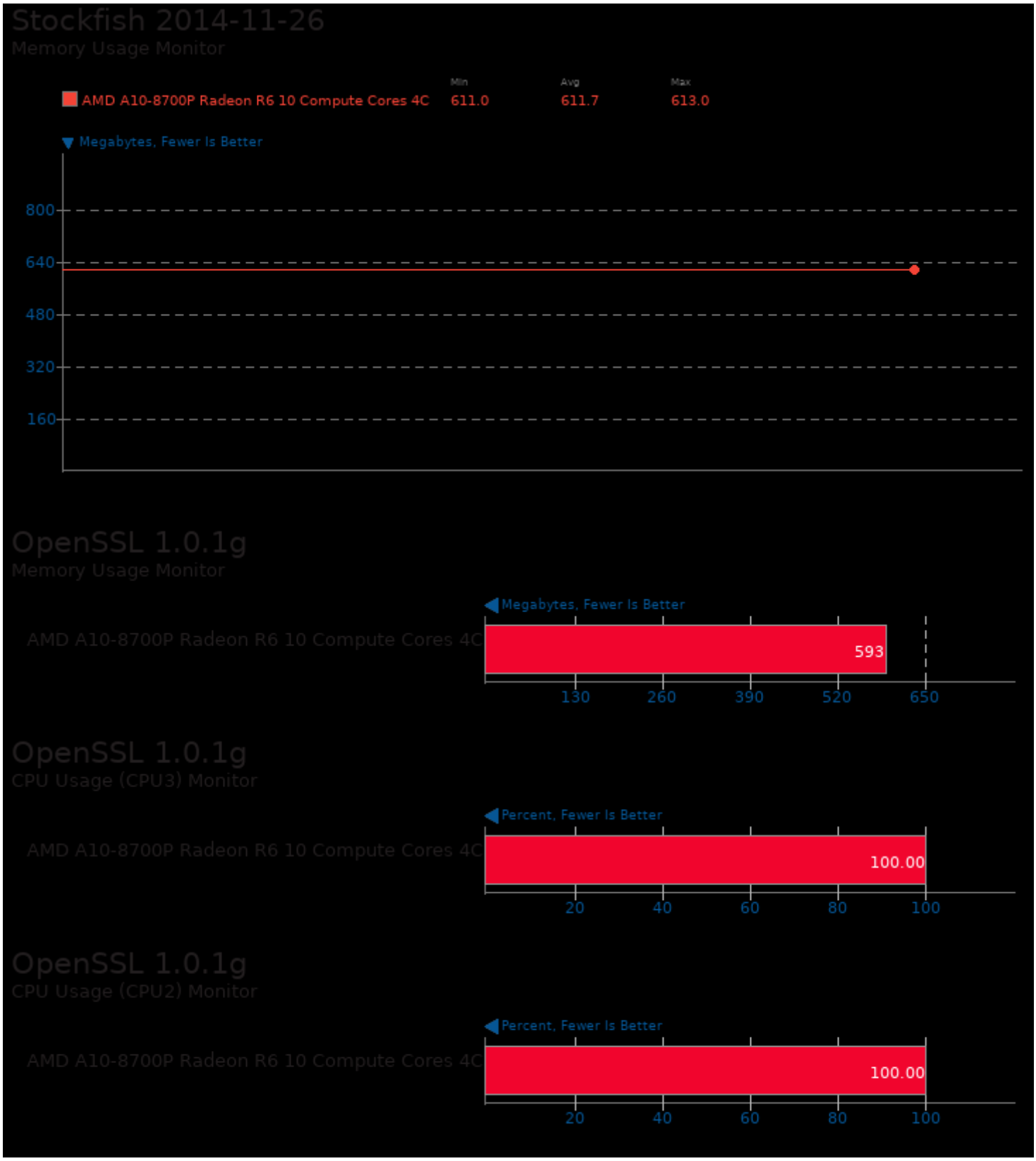
A10-8700P Monitor Test



A10-8700P Monitor Test

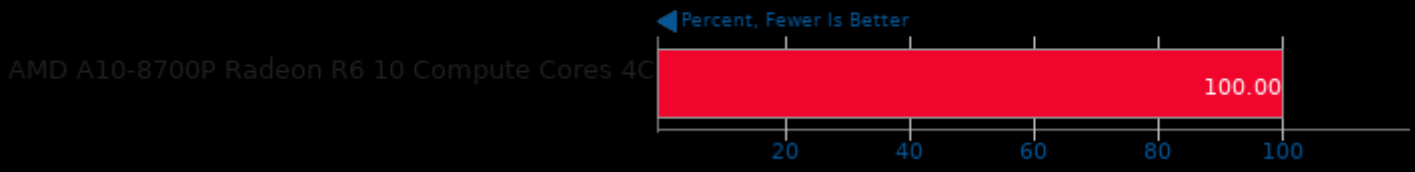


A10-8700P Monitor Test

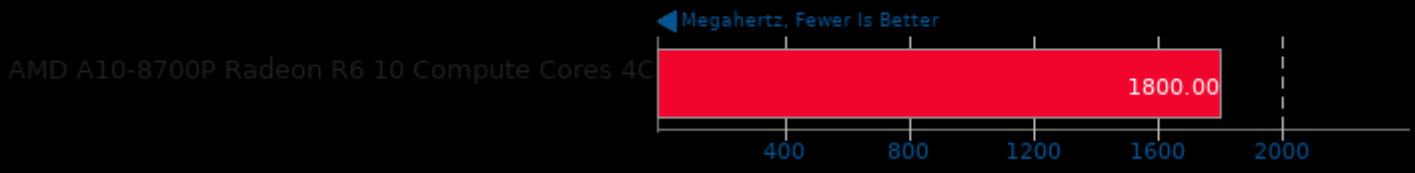


A10-8700P Monitor Test

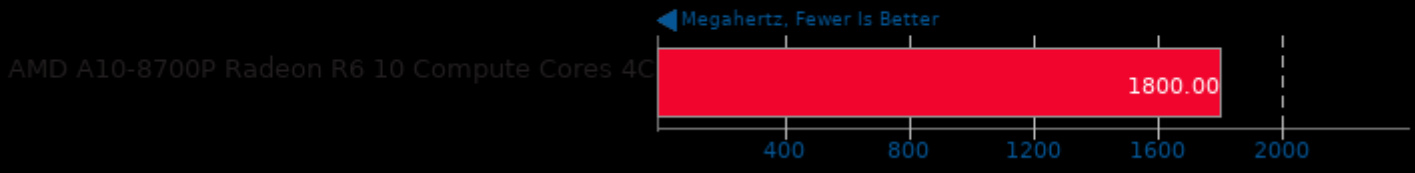
OpenSSL 1.0.1g
CPU Usage (CPU1) Monitor



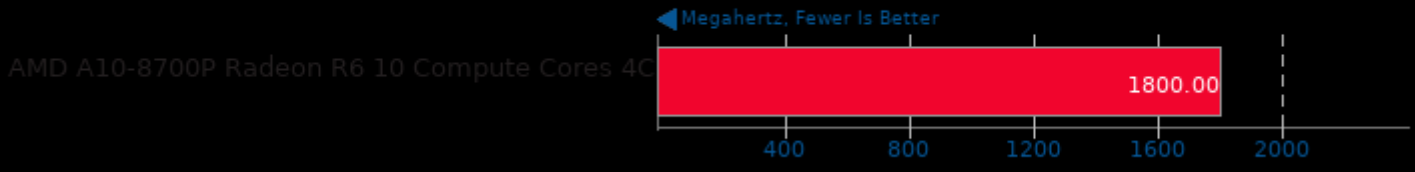
OpenSSL 1.0.1g
CPU Frequency (CPU3) Monitor



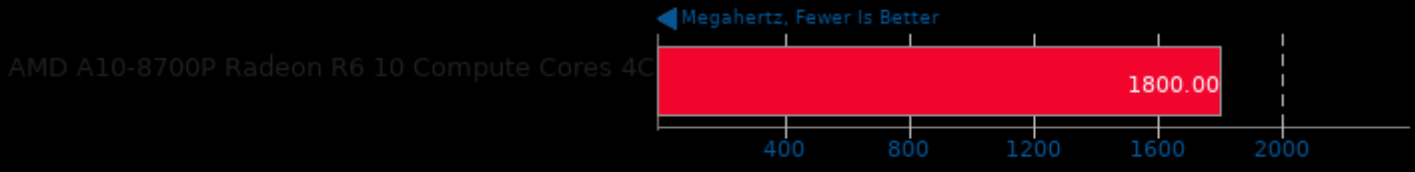
OpenSSL 1.0.1g
CPU Frequency (CPU2) Monitor



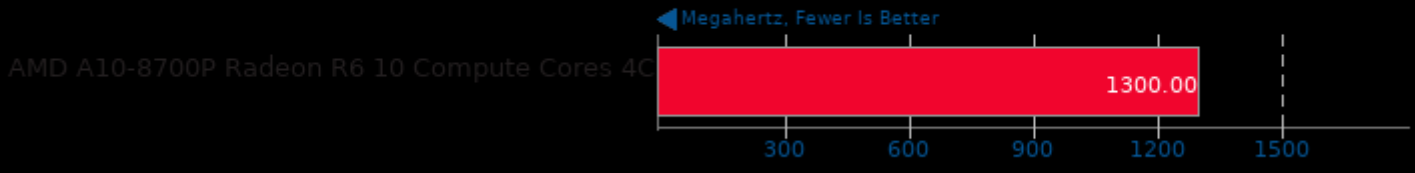
OpenSSL 1.0.1g
CPU Frequency (CPU1) Monitor



OpenSSL 1.0.1g
CPU Frequency (CPU0) Monitor



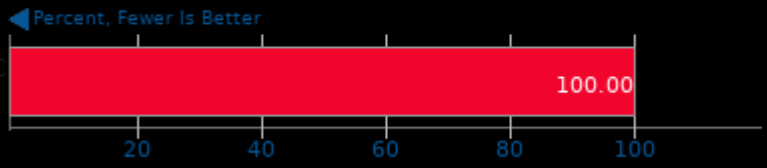
Stockfish 2014-11-26
CPU Frequency (CPU1) Monitor



A10-8700P Monitor Test

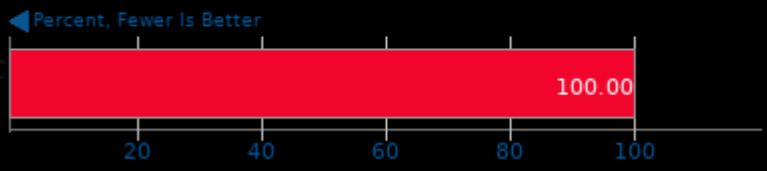
C-Ray 1.1
CPU Usage (Summary) Monitor

AMD A10-8700P Radeon R6 10 Compute Cores 4C



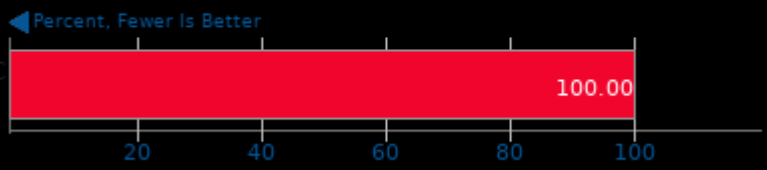
C-Ray 1.1
CPU Usage (CPU3) Monitor

AMD A10-8700P Radeon R6 10 Compute Cores 4C



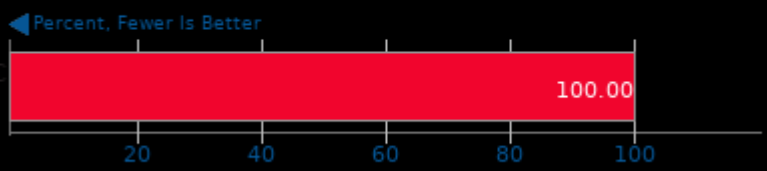
C-Ray 1.1
CPU Usage (CPU2) Monitor

AMD A10-8700P Radeon R6 10 Compute Cores 4C



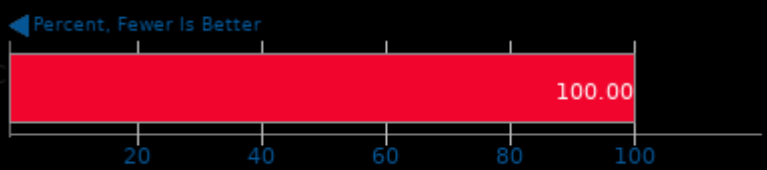
C-Ray 1.1
CPU Usage (CPU1) Monitor

AMD A10-8700P Radeon R6 10 Compute Cores 4C



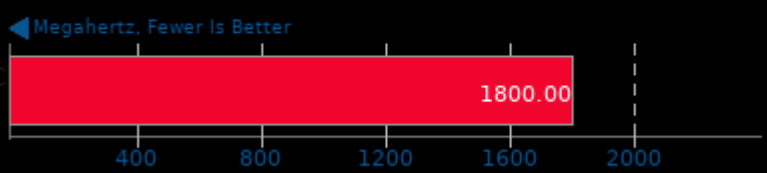
C-Ray 1.1
CPU Usage (CPU0) Monitor

AMD A10-8700P Radeon R6 10 Compute Cores 4C

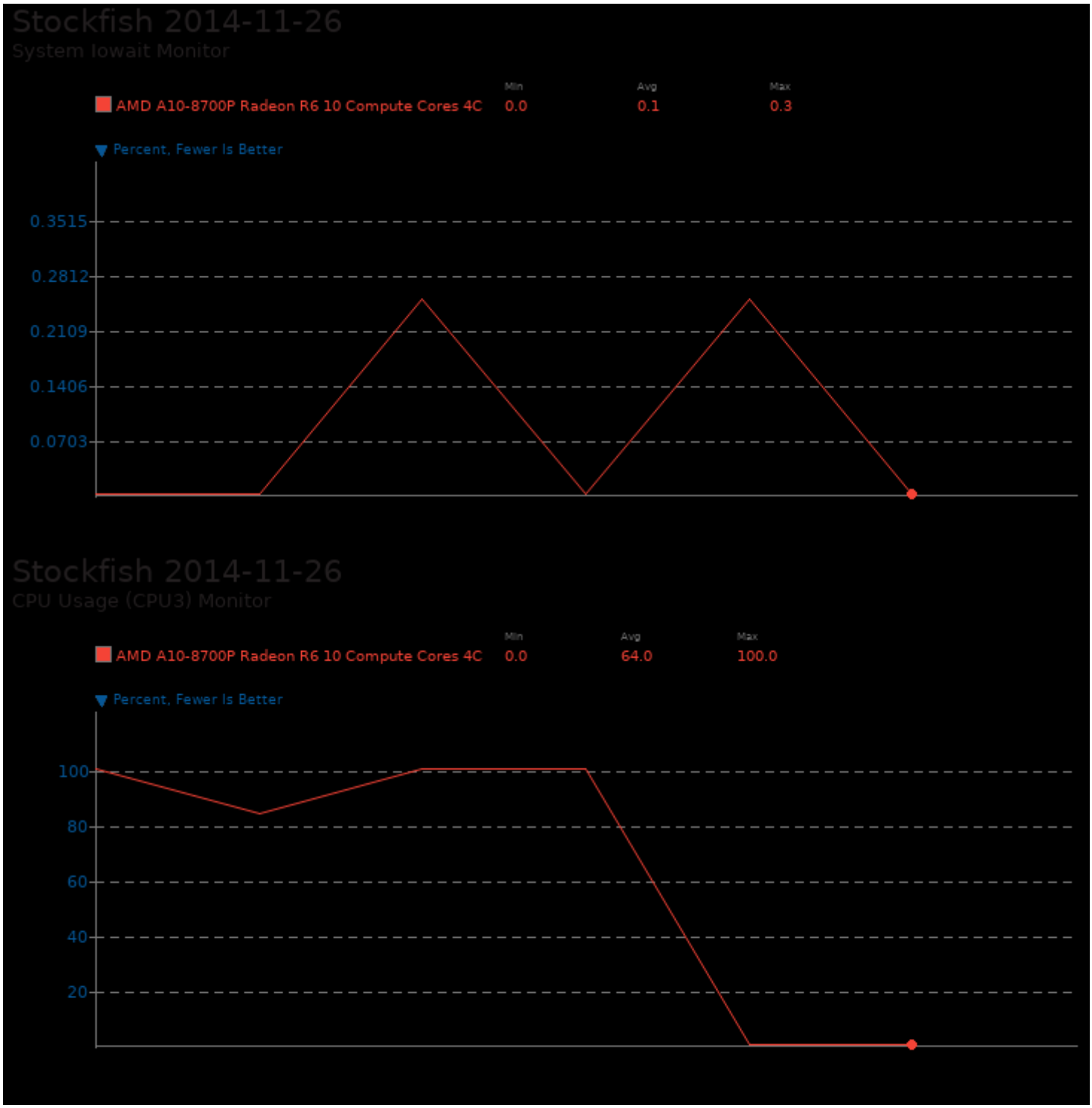


C-Ray 1.1
CPU Frequency (CPU0) Monitor

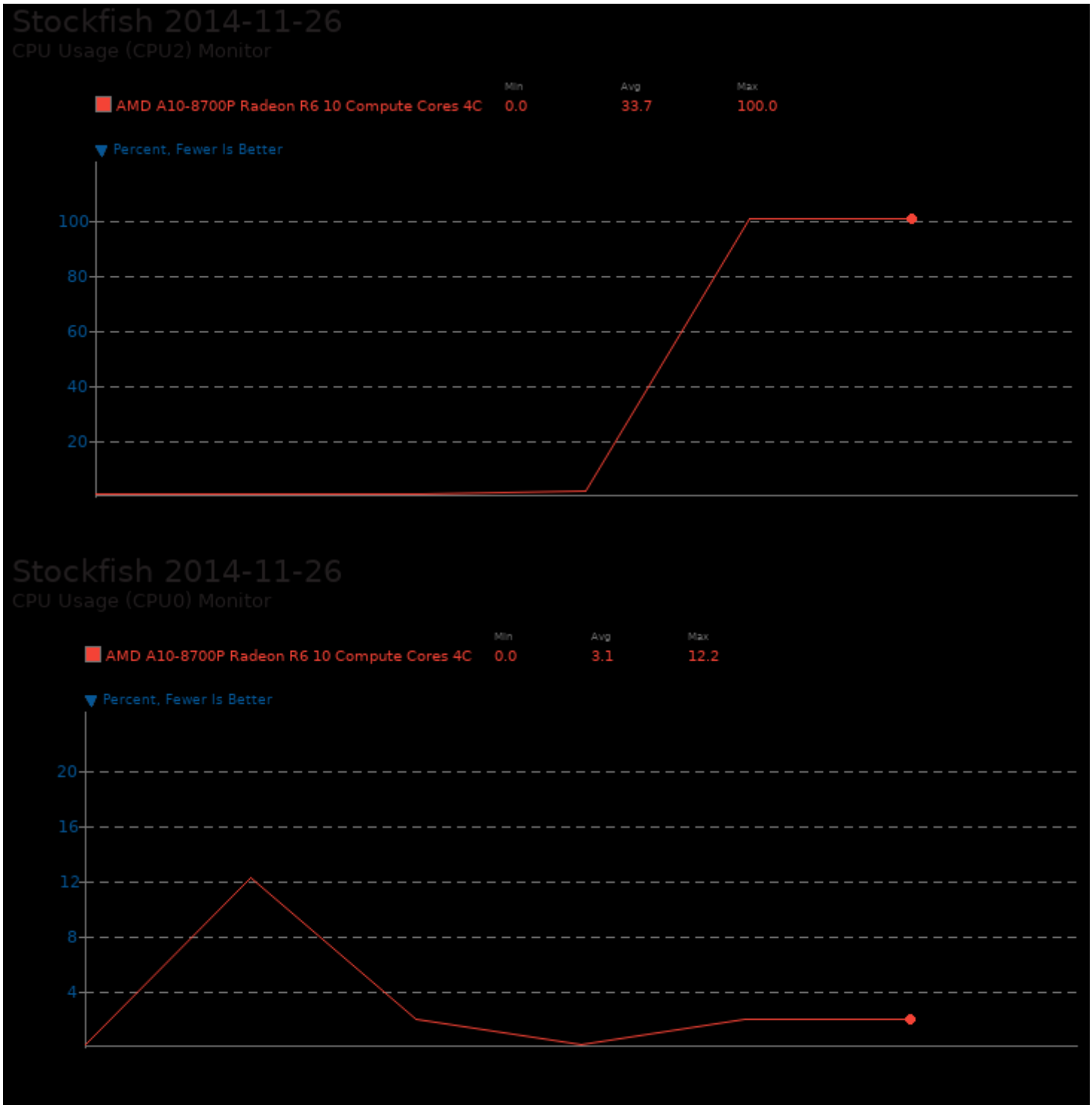
AMD A10-8700P Radeon R6 10 Compute Cores 4C



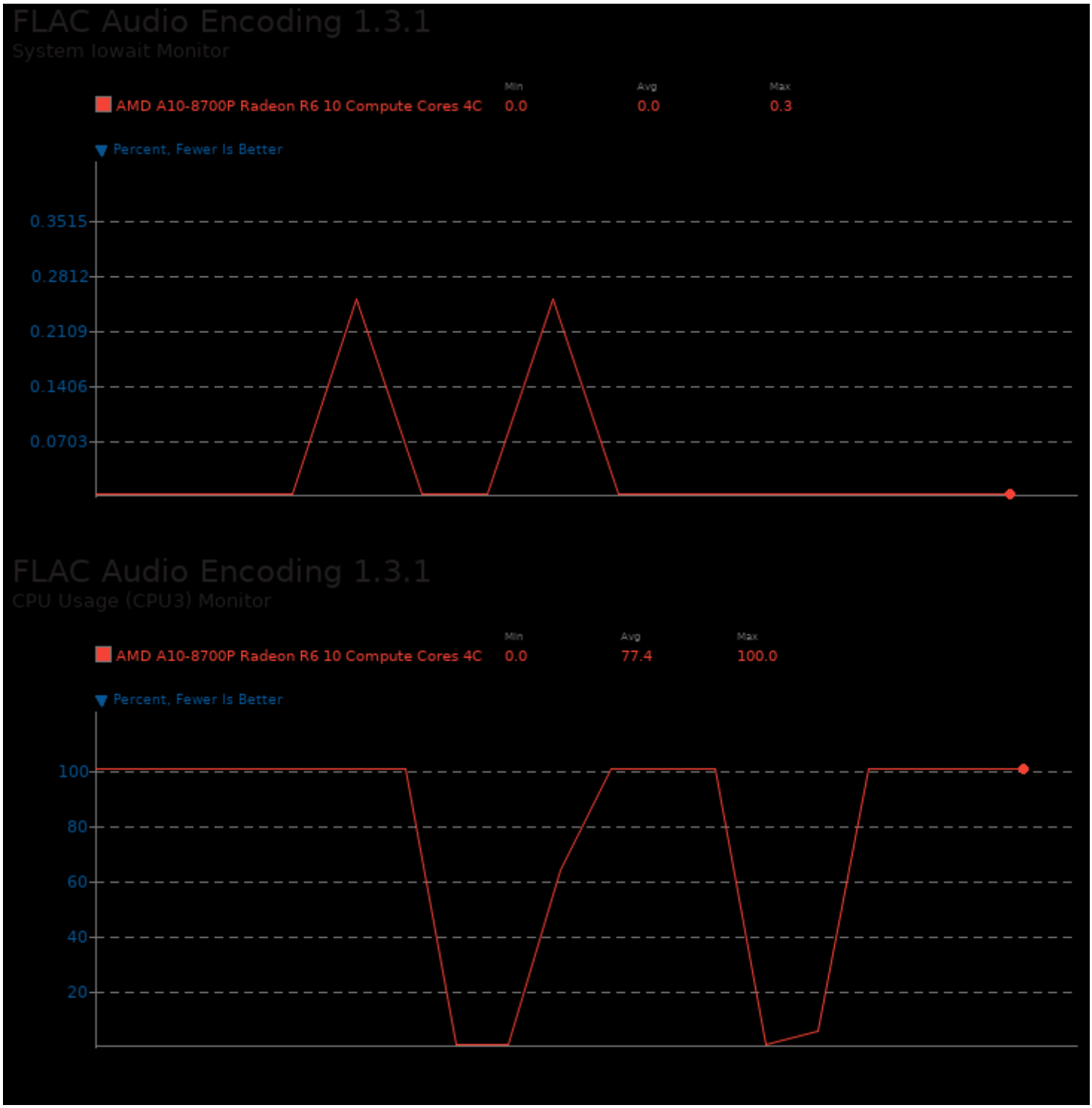
A10-8700P Monitor Test



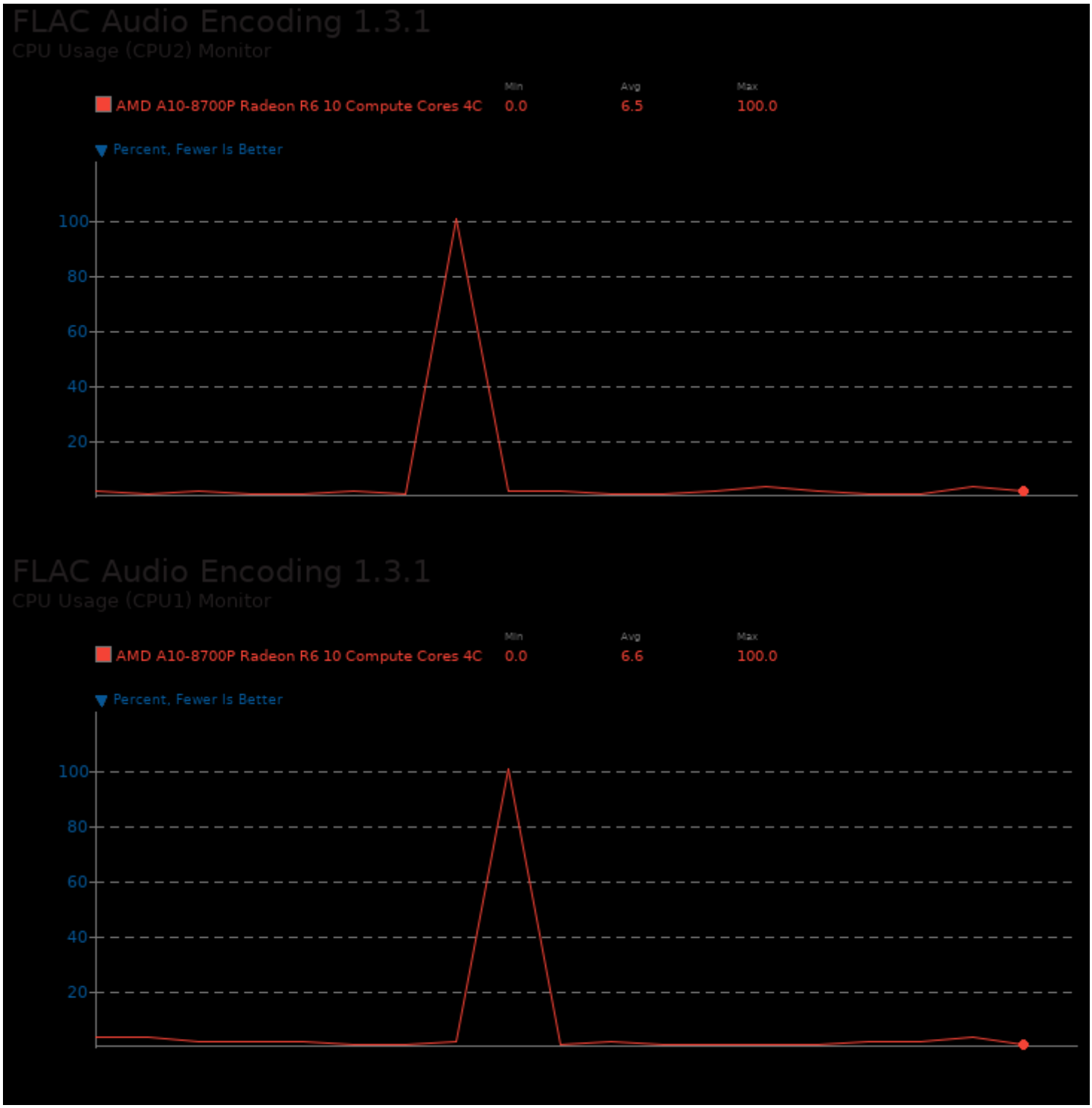
A10-8700P Monitor Test



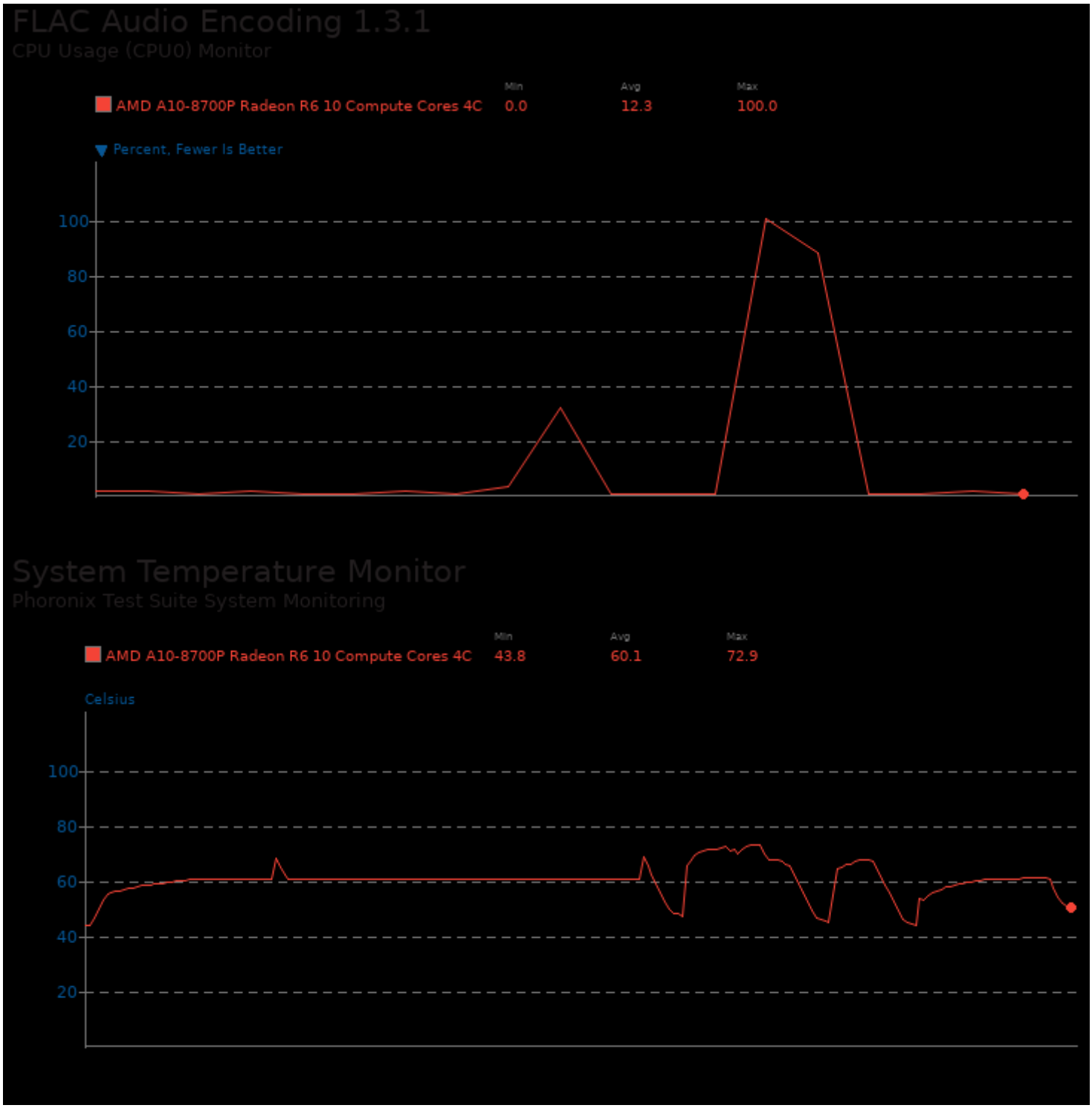
A10-8700P Monitor Test



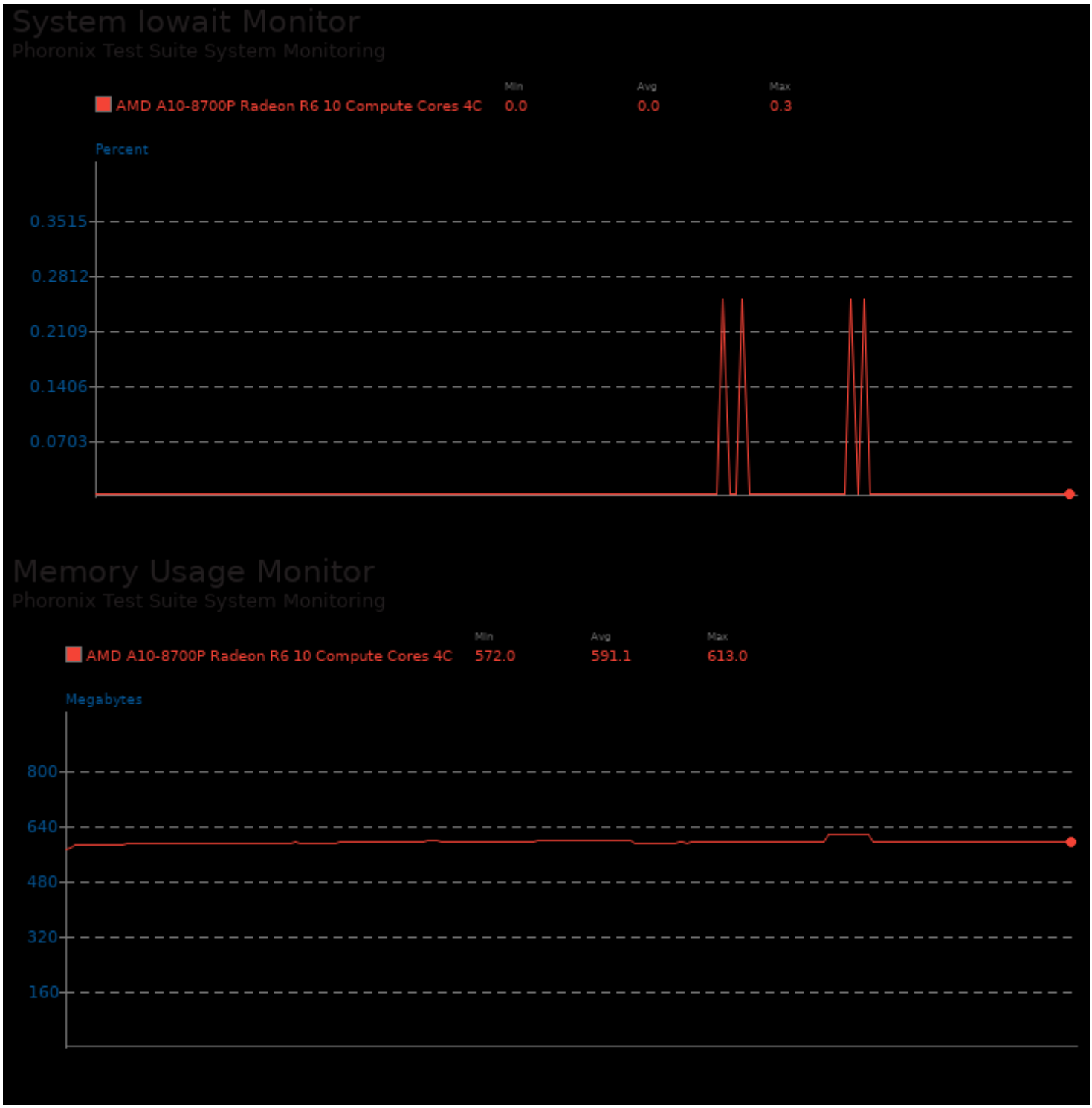
A10-8700P Monitor Test



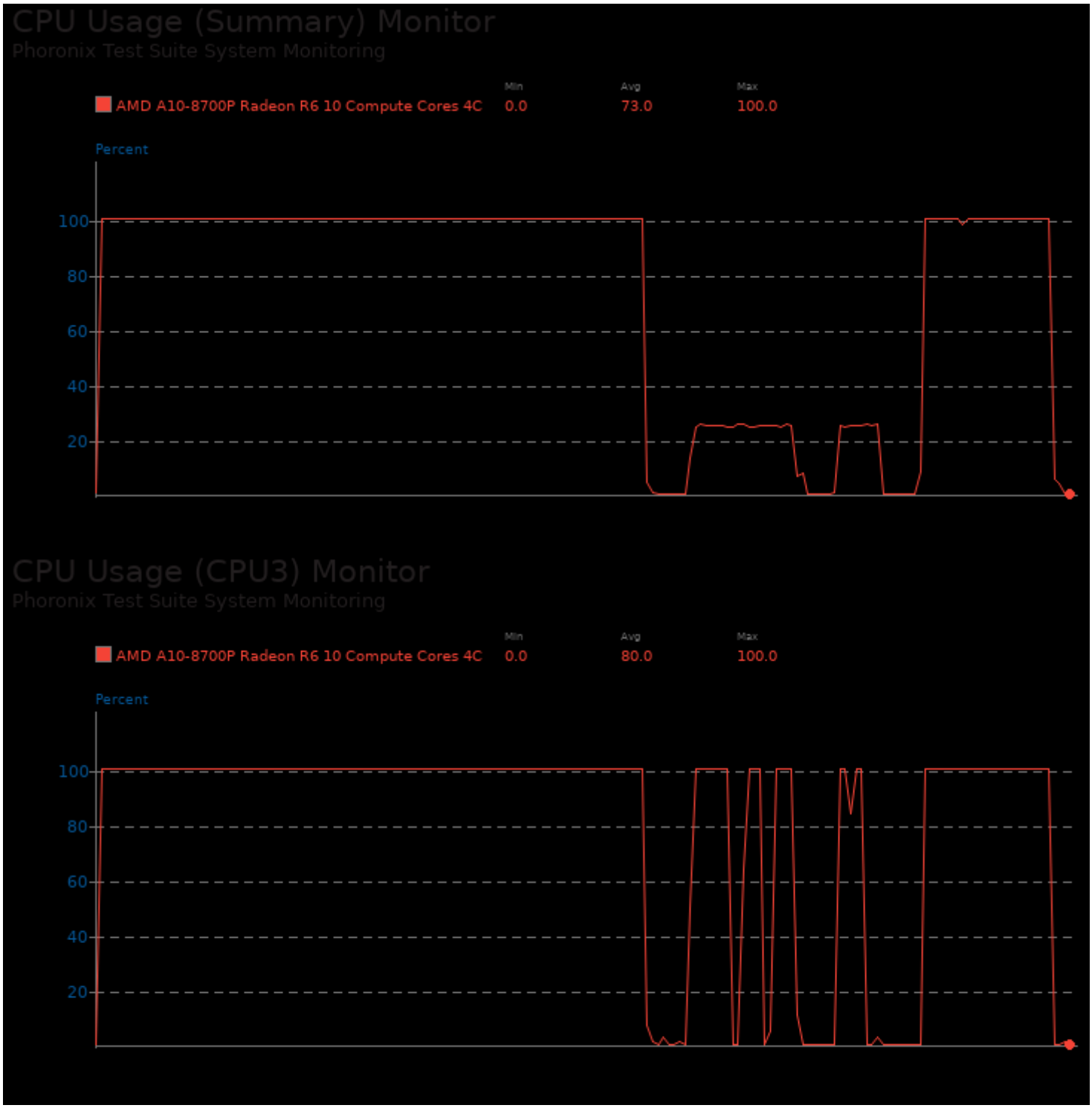
A10-8700P Monitor Test



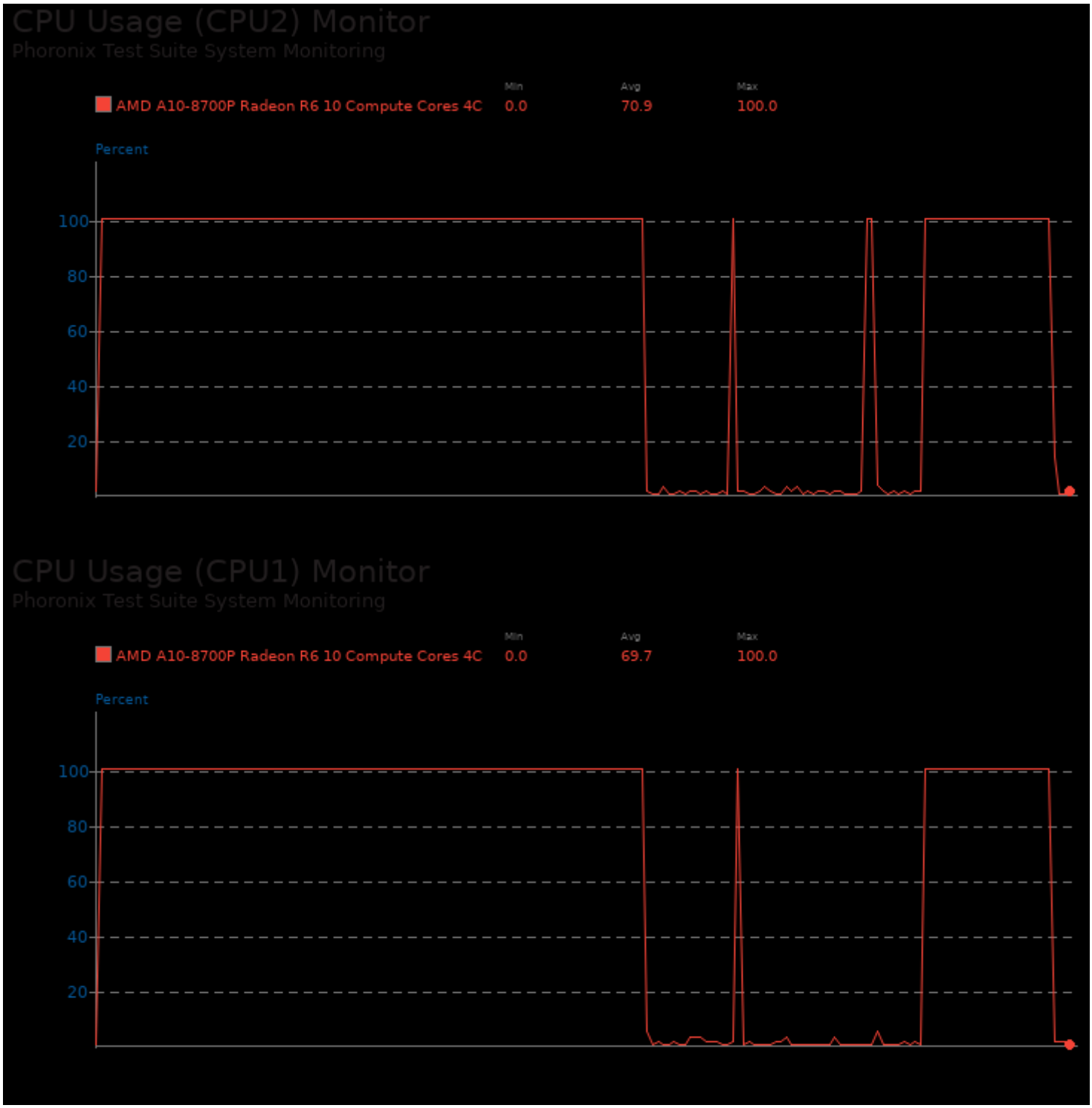
A10-8700P Monitor Test



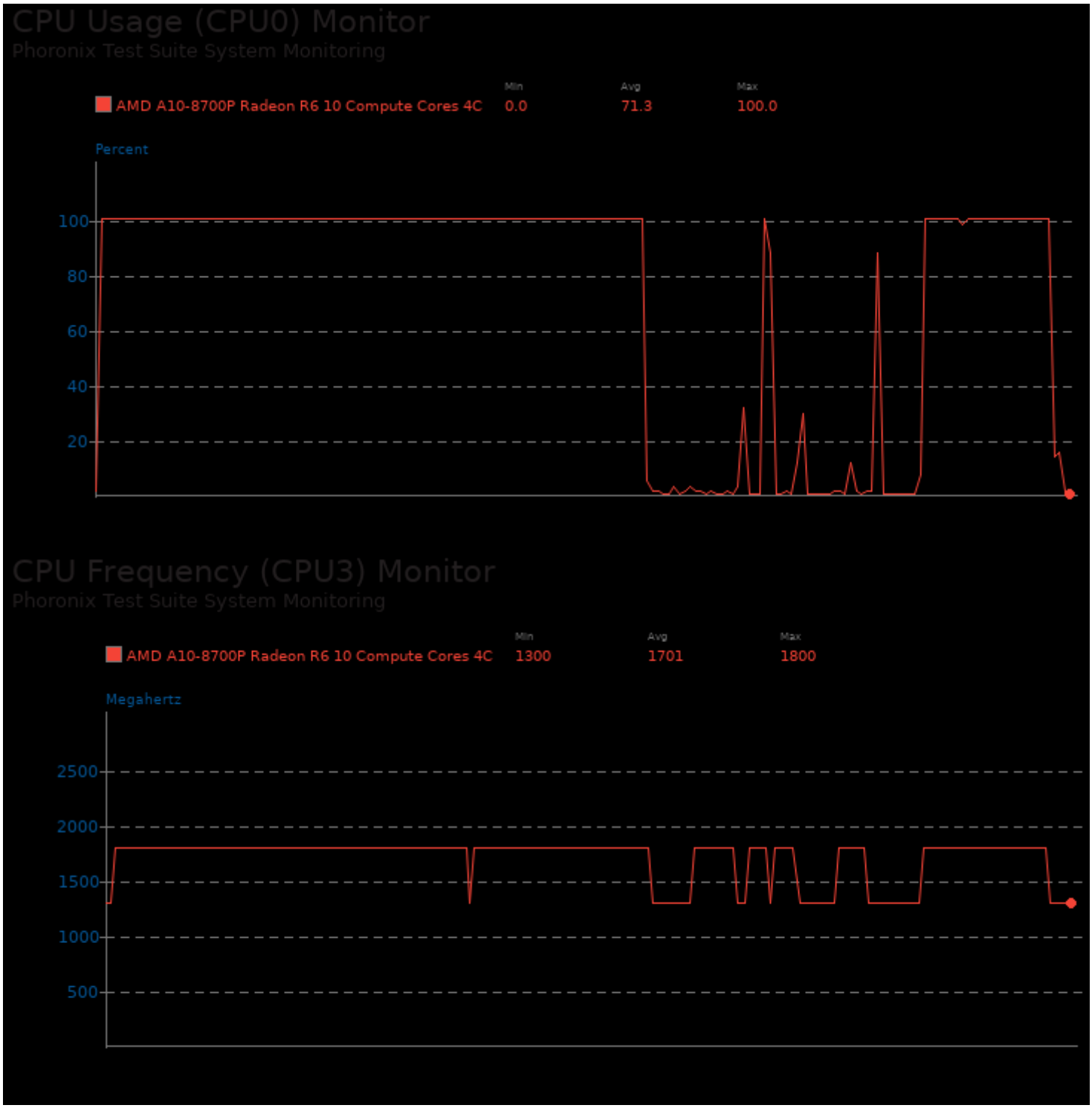
A10-8700P Monitor Test



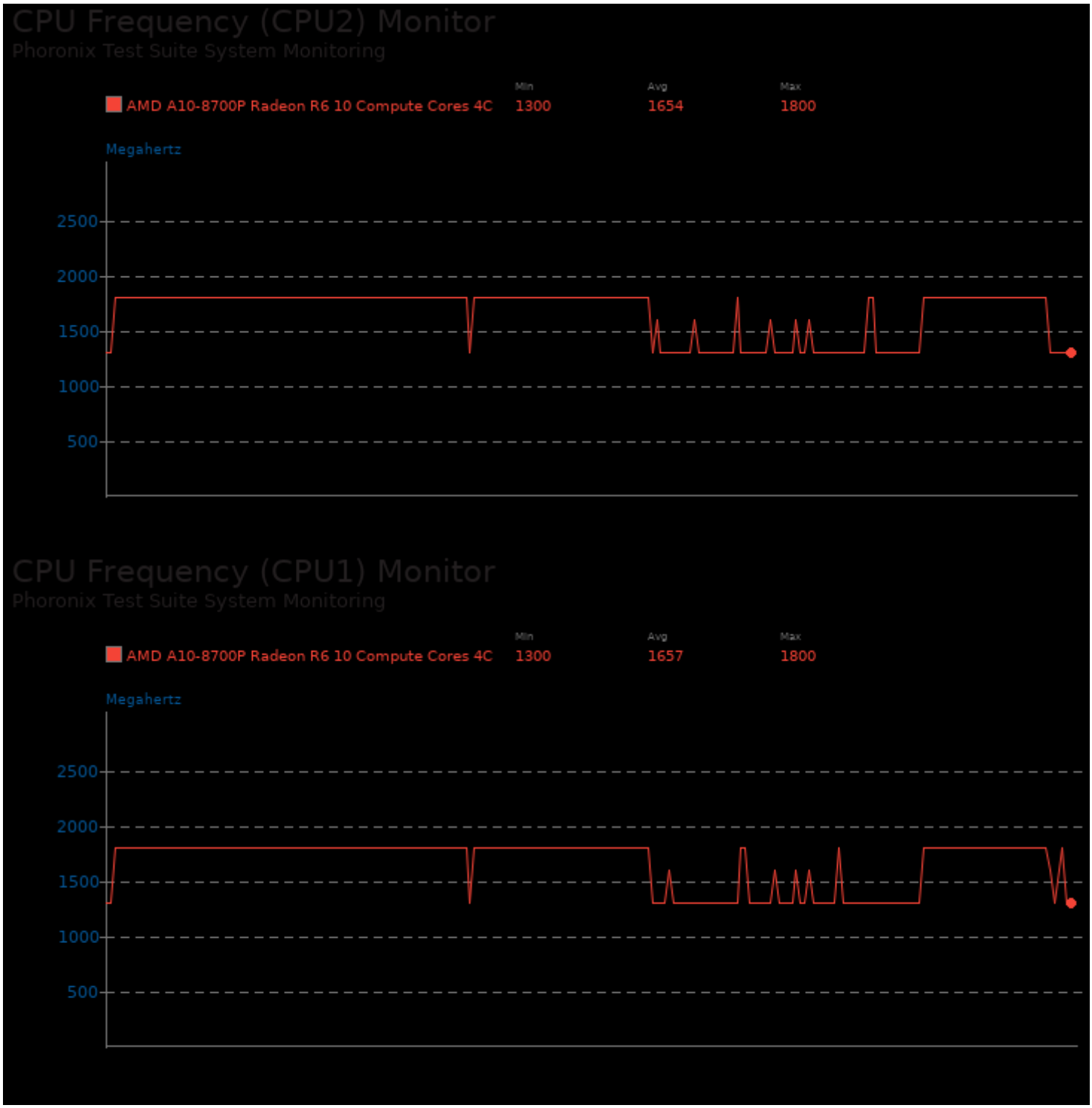
A10-8700P Monitor Test



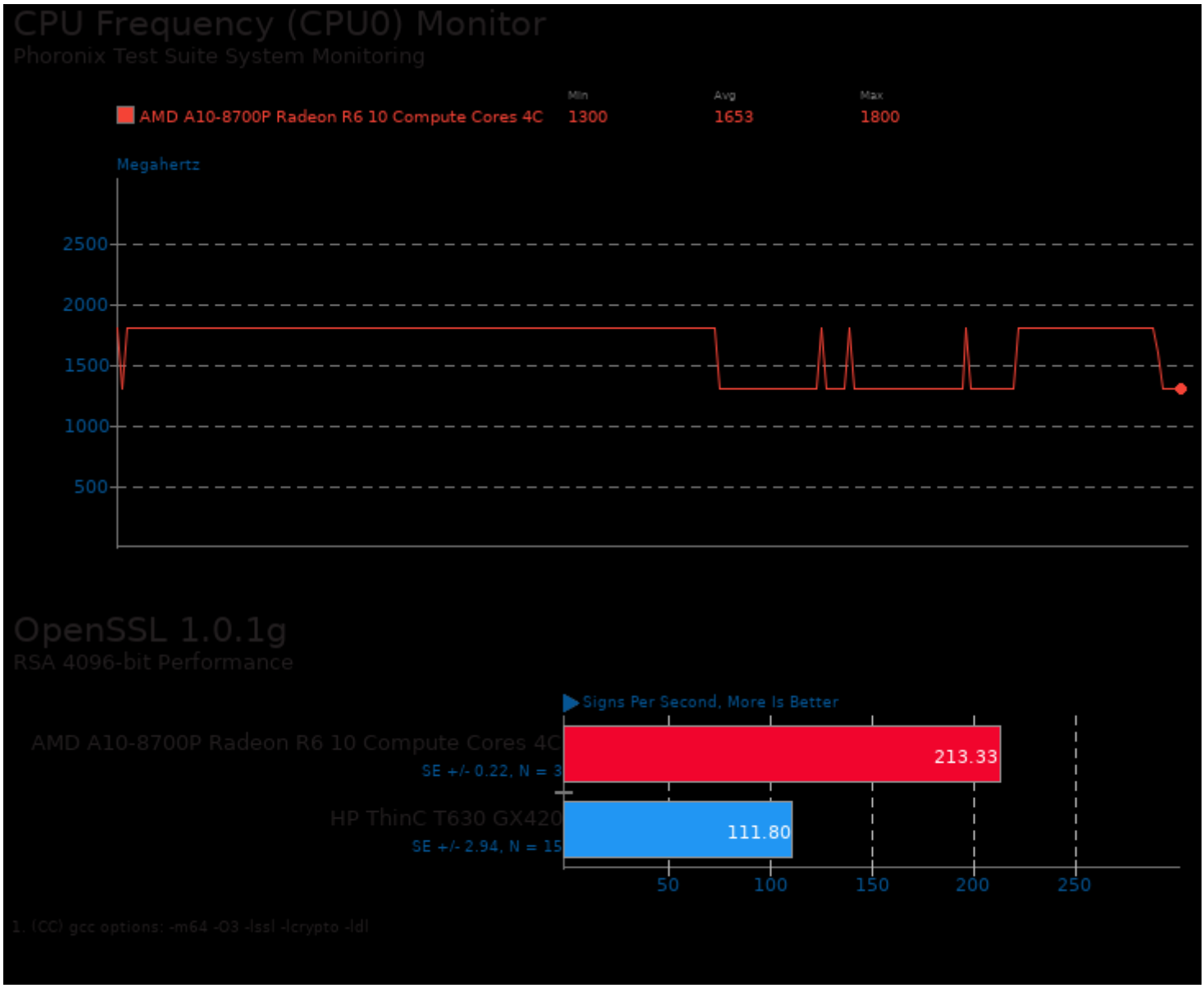
A10-8700P Monitor Test



A10-8700P Monitor Test

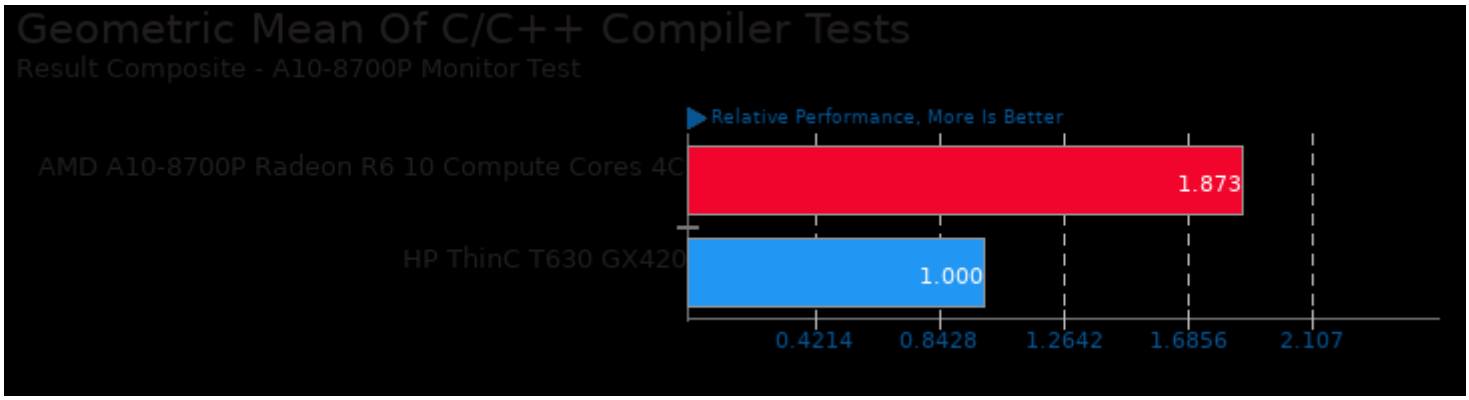


A10-8700P Monitor Test



A10-8700P Monitor Test

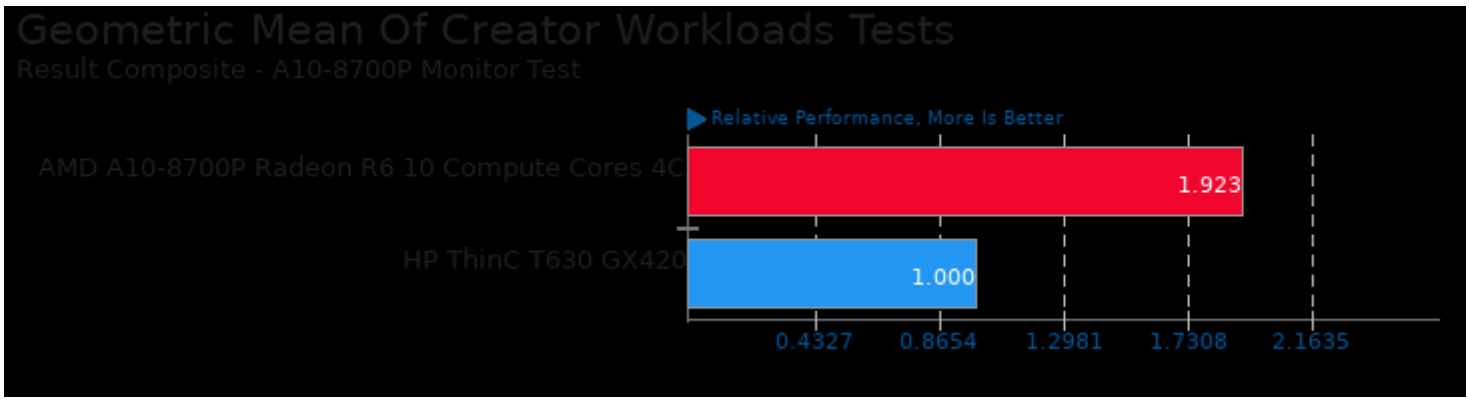
These geometric means are based upon test groupings / test suites for this result file.



Geometric mean based upon tests: pts/stockfish, pts/c-ray, pts/encode-flac and pts/openssl

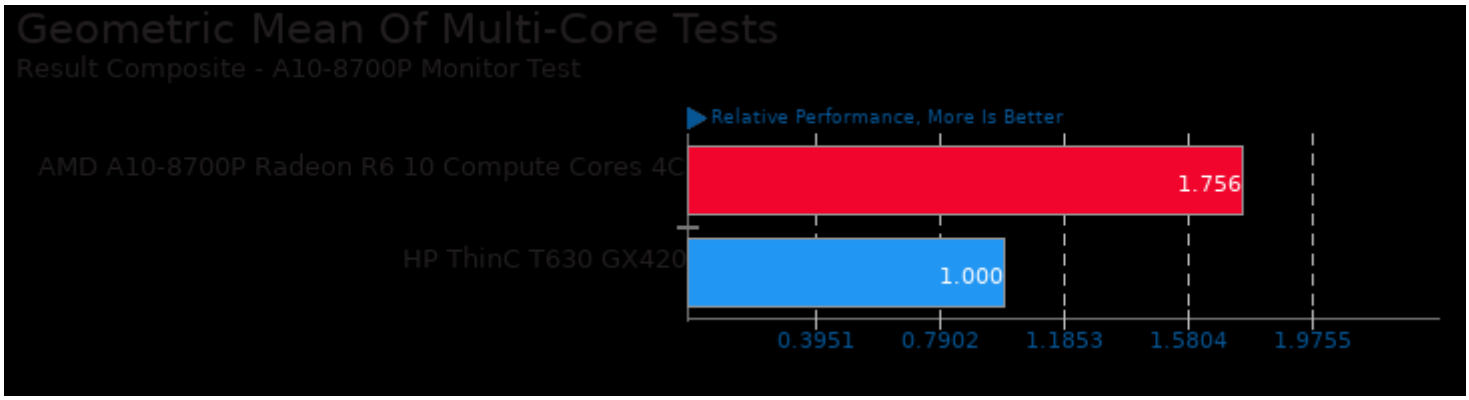


Geometric mean based upon tests: pts/c-ray, pts/encode-flac, pts/openssl and pts/stockfish

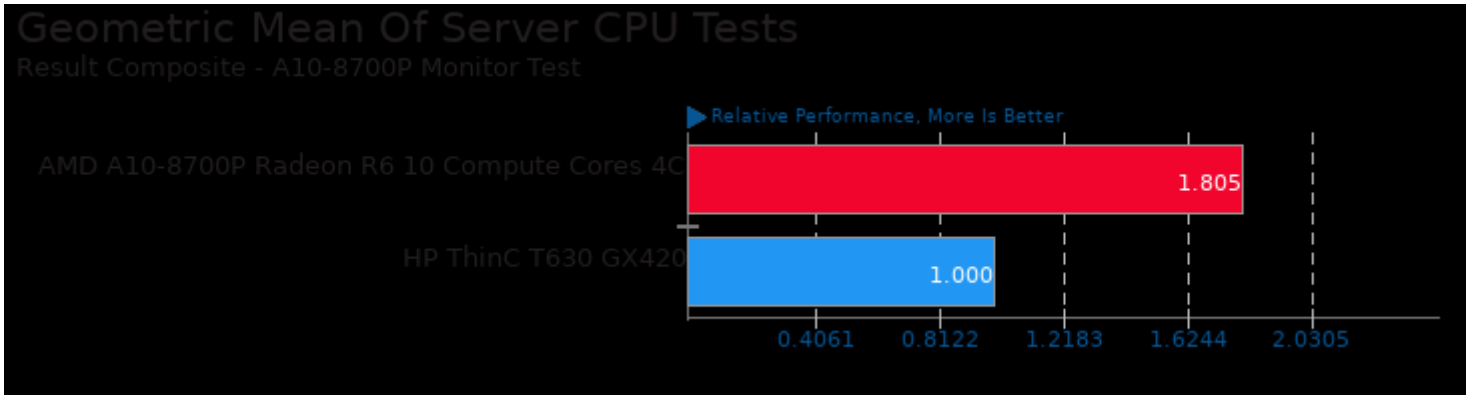


Geometric mean based upon tests: pts/c-ray and pts/encode-flac

A10-8700P Monitor Test



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



Geometric mean based upon tests: pts/stockfish, pts/c-ray and pts/openssl

This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 08:55.