

www.phoronix-test-suite.com

TR_SVC_Stockfishes_Run1

AMD Ryzen Threadripper 3990X 64-Core testing with a ASRockRack TRX40D8-2N2T (P1.10 BIOS) and ASPEED on Ubuntu 18.04 via the Phoronix Test Suite.

Test Systems:

AMD Ryzen Threadripper 3990X 64-Core

both stockfishes

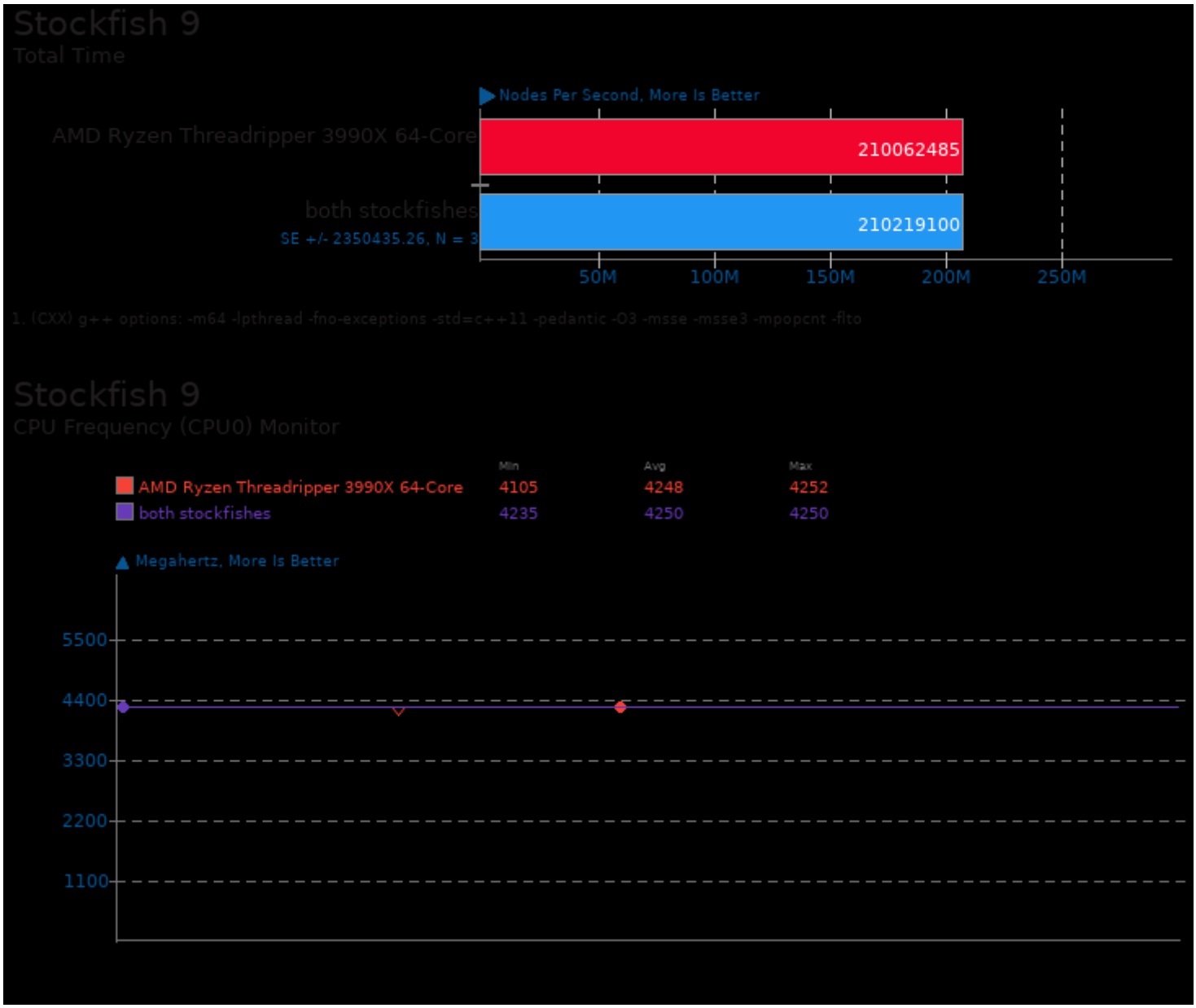
Processor: AMD Ryzen Threadripper 3990X 64-Core @ 4.25GHz (64 Cores / 128 Threads), Motherboard: ASRockRack TRX40D8-2N2T (P1.10 BIOS), Chipset: AMD Device 1480, Memory: 252GB, Disk: 1024GB SAMSUNG MZVL21T0HCLR-00B00, Graphics: ASPEED, Audio: AMD Device 1487, Monitor: DELL 1907FP, Network: 2 x Intel Device 15ff + 2 x Intel Device 15f2

OS: Ubuntu 18.04, Kernel: 5.4.0-90-generic (x86_64), Desktop: GNOME Shell 3.28.4, Display Server: X Server 1.20.8, Compiler: GCC 7.5.0, File-System: ext4, Screen Resolution: 1280x1024

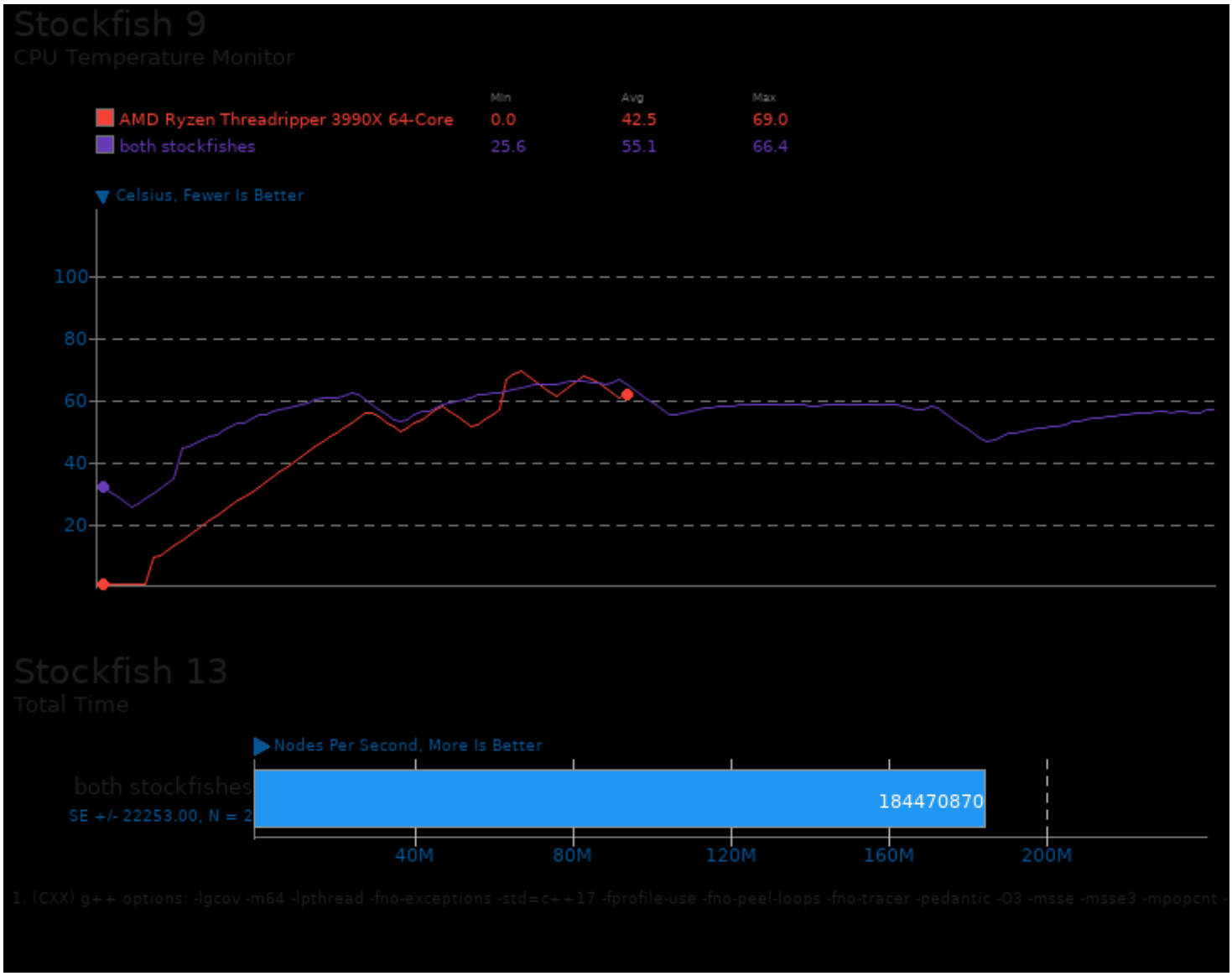
TR_SVC_Stockfishes_Run1

Kernel Notes: Transparent Huge Pages: madvise
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++ --enable-libmpx --enable-libstdcxx-debug --enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-targets=nvptx-none --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-default-libstdcxx-abi=new --with-gcc-major-version-only --with-multilib-list=m32,m64,mx32 --with-target-system-zlib --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: acpi-cpufreq ondemand (Boost: Enabled) - CPU Microcode: 0x8301025
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: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

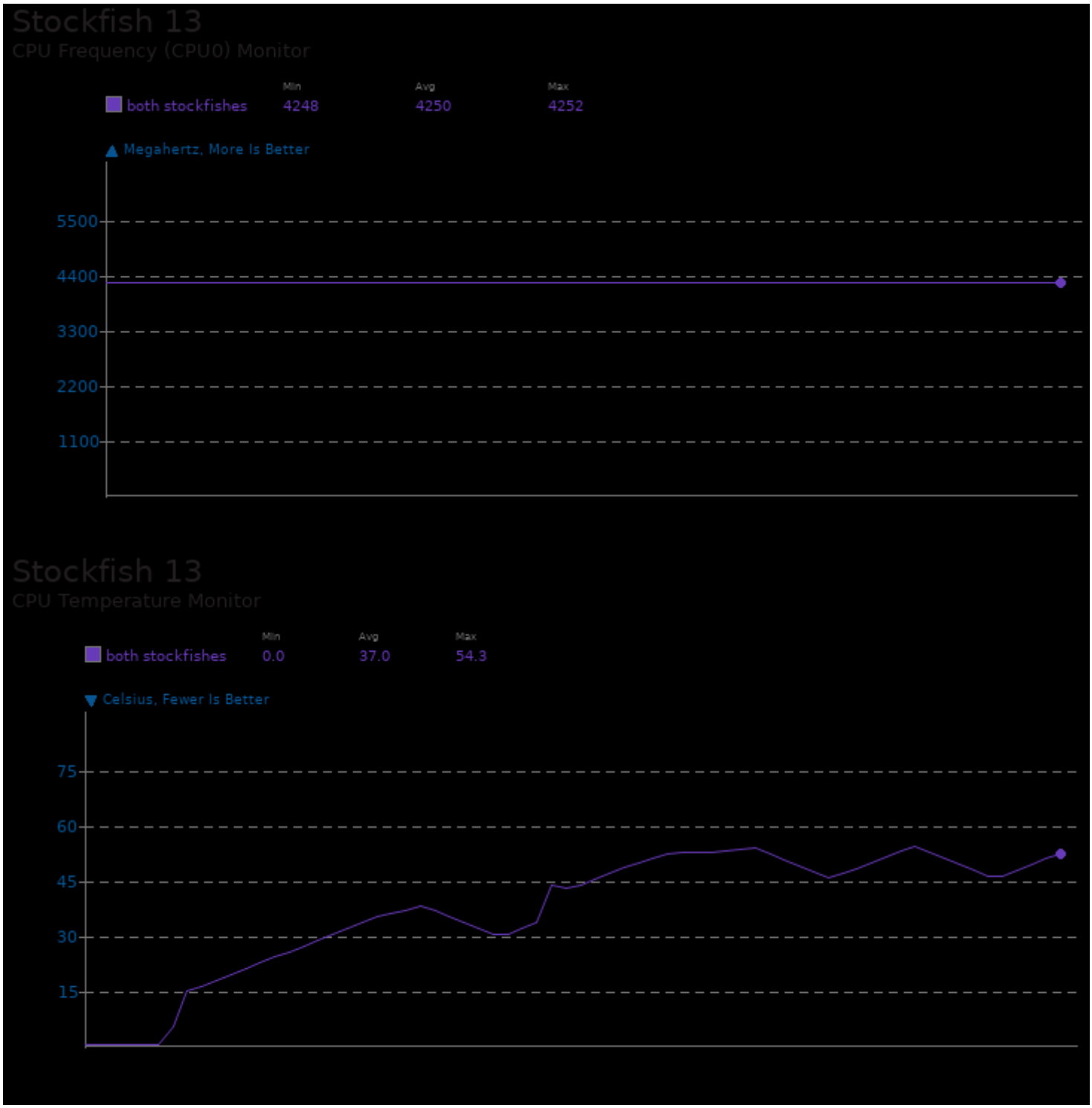
	AMD Ryzen Threadripper 3990X 64-Core	both stockfishes
Stockfish - Total Time (Nodes/s)	**210062485**	**210219100**
Normalized	99.93%	100%
Standard Deviation		1.9%
Stockfish - Total Time (Nodes/s)		184470870
Standard Deviation		0%

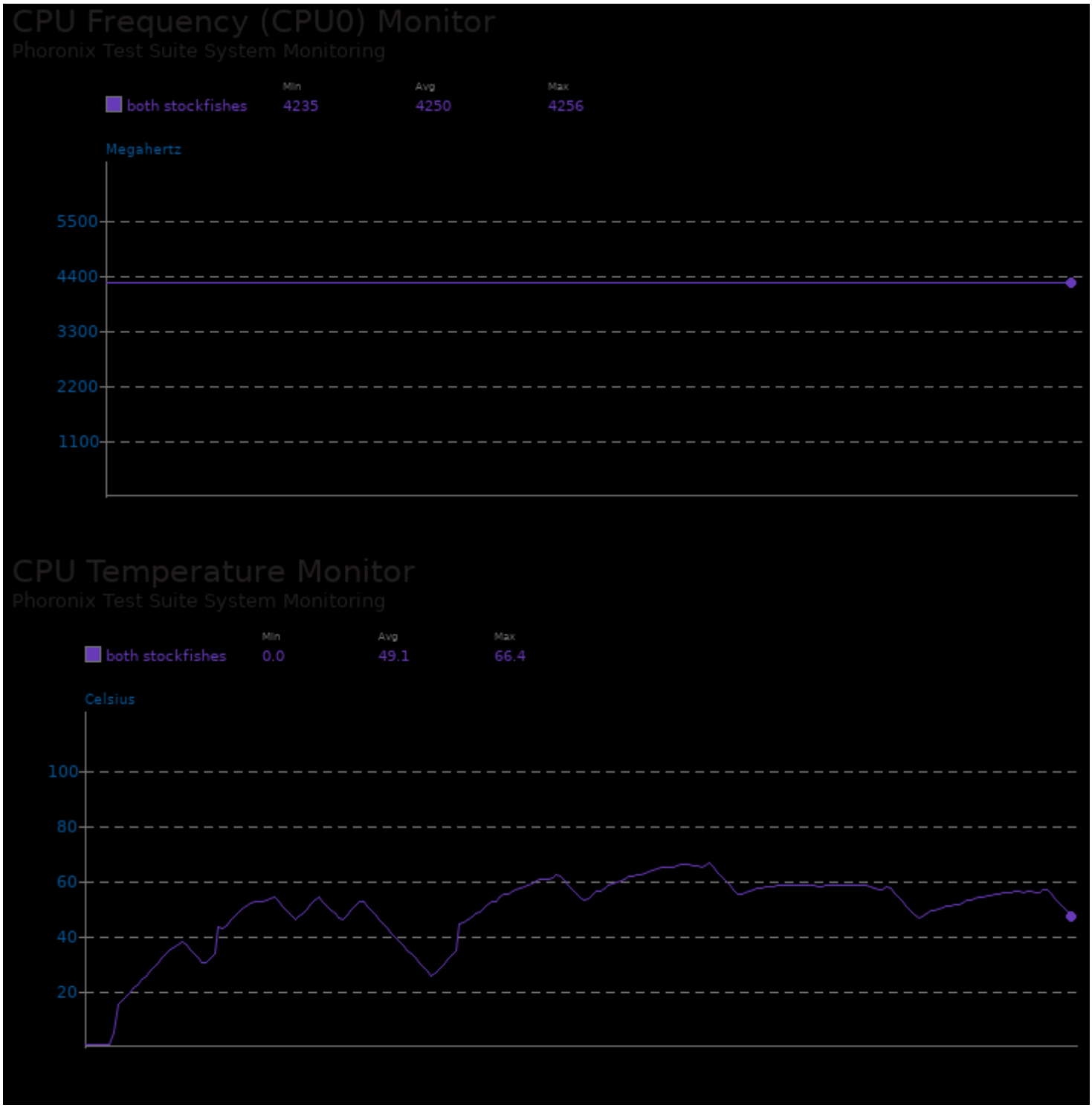

Stockfish 9
Total Time
Nodes Per Second, More Is Better
AMD Ryzen Threadripper 3990X 64-Core
210062485
both stockfishes
210219100
SE +/- 2350435.26, N = 3
50M
100M
150M
200M
250M
1. (CXX) g++ options: -m64 -lpthread -fno-exceptions -std=c++11 -pedantic -O3 -msse -msse3 -mpopcnt -flto
Stockfish 9
CPU Frequency (CPU0) Monitor
Min
Avg
Max
AMD Ryzen Threadripper 3990X 64-Core
4105
4248
4252
both stockfishes
4235
4250
4250
Megahertz, More Is Better
5500
4400
3300
2200
1100

TR_SVC_Stockfishes_Run1



TR_SVC_Stockfishes_Run1





This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 15:16.