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2023-01-18-0430

2 x Intel Xeon E5-2680 v2 testing with a Supermicro X9DR3-F v0123456789 (3.4 BIOS) and Matrox MGA G200eW WPCM450 on Arch Linux via the Phoronix Test Suite.

Test Systems:

2 x Intel Xeon E5-2680 v2

Processor: 2 x Intel Xeon E5-2680 v2 @ 3.60GHz (20 Cores / 40 Threads), Motherboard: Supermicro X9DR3-F v0123456789 (3.4 BIOS), Chipset: Intel Xeon E7 v2/Xeon, Memory: 128GB, Disk: 120GB KINGSTON SA400S3, Graphics: Matrox MGA G200eW WPCM450, Network: 2 x Intel I350

OS: Arch Linux, Kernel: 6.1.6-arch1-1 (x86_64), Compiler: GCC 12.2.0, File-System: xfs, Screen Resolution: 1280x1024

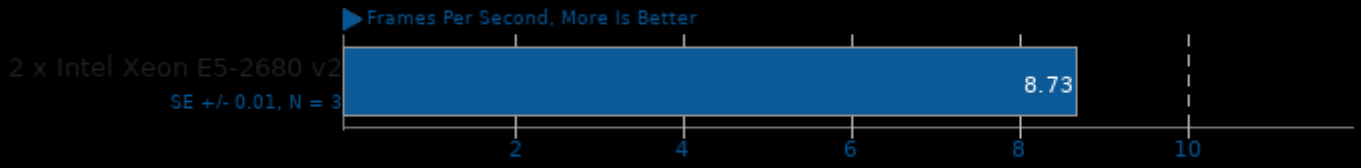
Kernel Notes: Transparent Huge Pages: always
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-werror --enable-__cxa_atexit --enable-bootstrap --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-libstdcxx-backtrace --enable-link-serialization=1 --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-build-config=bootstrap-lto --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: intel_cpufreq performance - CPU Microcode: 0x42e
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear

buffers; SMT vulnerable + meltdown: Mitigation of PTI + mmio_stale_data: Unknown: No mitigations + retbleed: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Retpolines IBPB: conditional IBRS_FW STIBP: conditional RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx_async_abort: Not affected

	2 x Intel Xeon E5-2680 v2
Kvazaar - Bosphorus 1080p - Slow (FPS)	8.73
Standard Deviation	0.2%
Kvazaar - Bosphorus 1080p - Medium (FPS)	8.87
Standard Deviation	0.2%
Kvazaar - Bosphorus 1080p - Very Fast (FPS)	19.54
Standard Deviation	0.2%
Kvazaar - Bosphorus 1080p - Super Fast (FPS)	25.26
Standard Deviation	0.3%
Kvazaar - Bosphorus 1080p - Ultra Fast (FPS)	39.70
Standard Deviation	0.2%
Kvazaar - Bosphorus 4K - Slow (FPS)	2.35
Standard Deviation	0.2%
Kvazaar - Bosphorus 4K - Medium (FPS)	2.34
Standard Deviation	0%
Kvazaar - Bosphorus 4K - Very Fast (FPS)	5.05
Standard Deviation	0.2%
Kvazaar - Bosphorus 4K - Super Fast (FPS)	6.53
Standard Deviation	0.1%
Kvazaar - Bosphorus 4K - Ultra Fast (FPS)	10.31
Standard Deviation	0.1%

Kvazaar 2.2

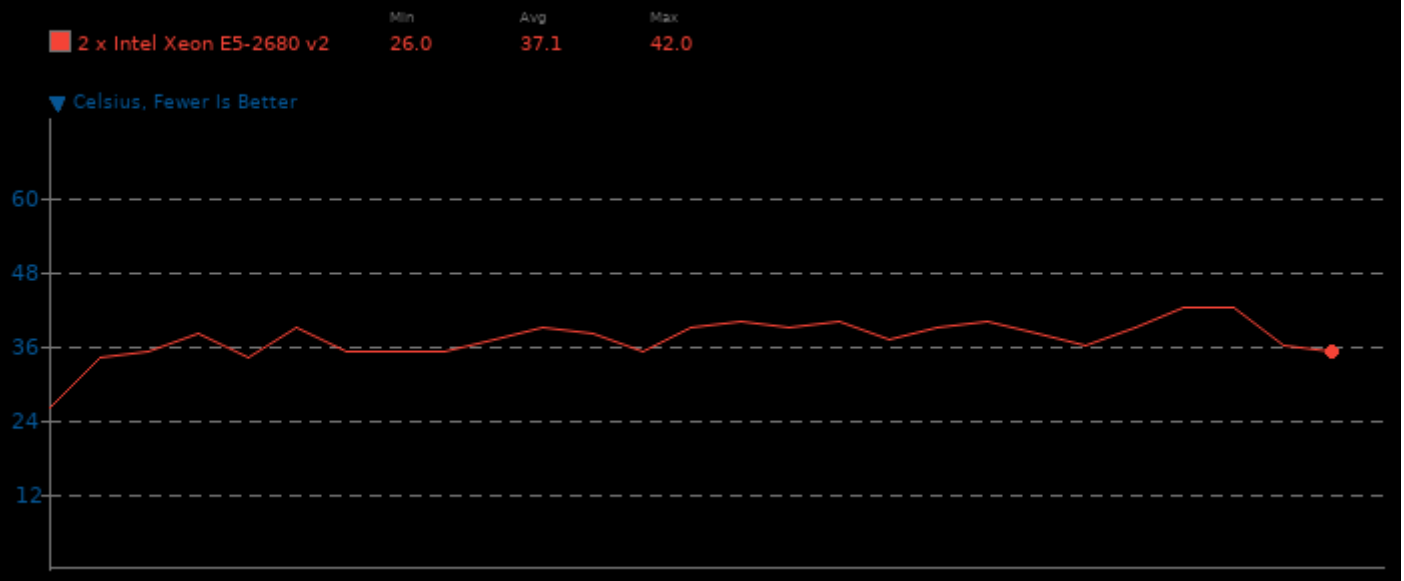
Video Input: Bosphorus 1080p - Video Preset: Slow



1. (CC) gcc options: -pthread -ftree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

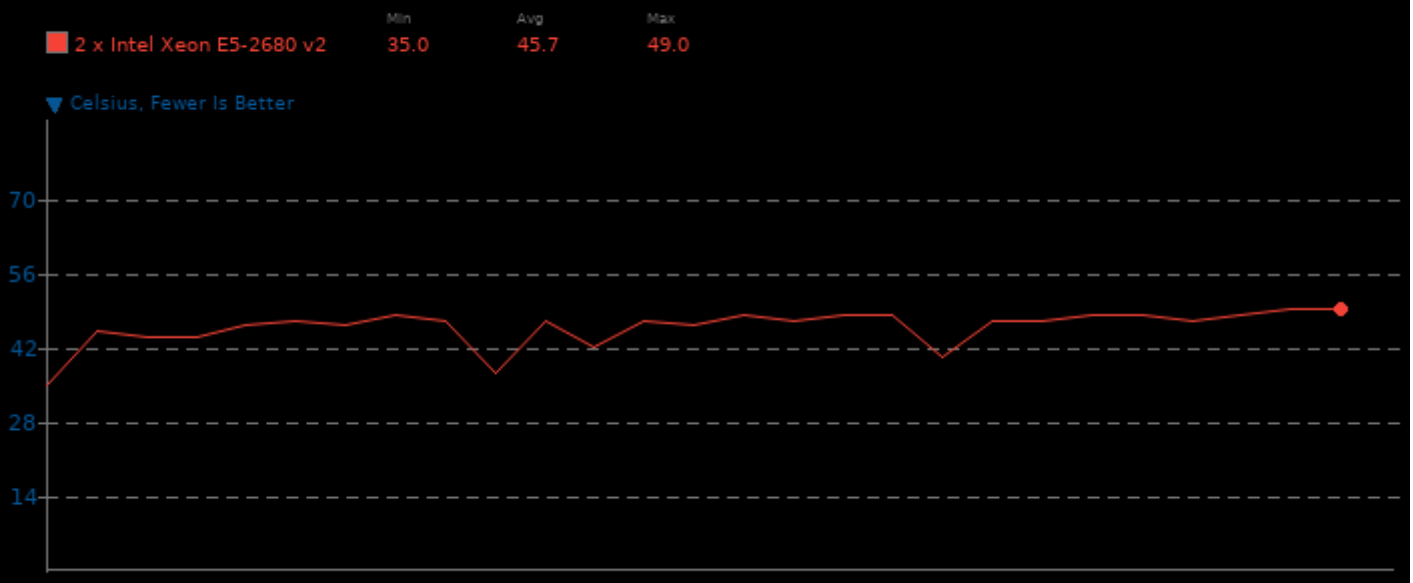
Kvazaar 2.2

CPU Temperature Monitor



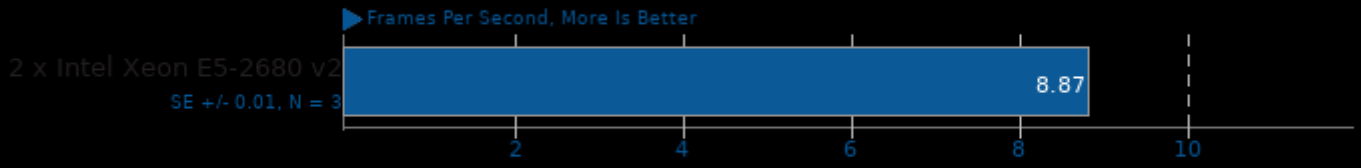
Kvazaar 2.2

System Temperature Monitor



Kvazaar 2.2

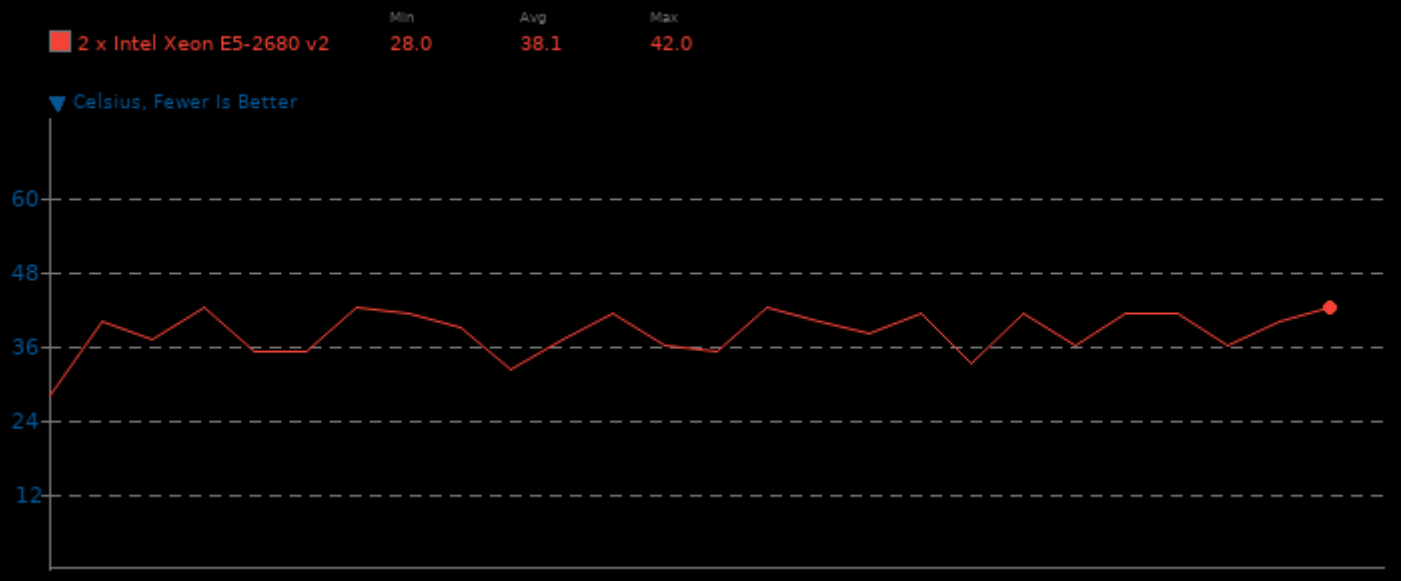
Video Input: Bosphorus 1080p - Video Preset: Medium



1. (CC) gcc options: -pthread -ftree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

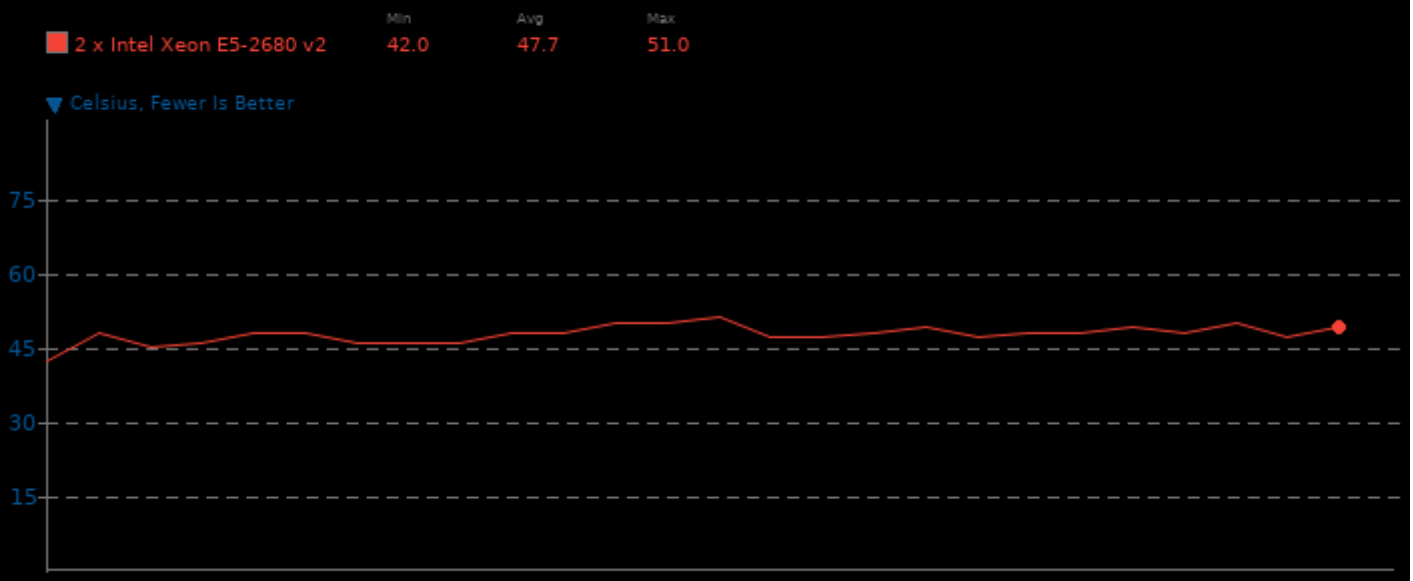
Kvazaar 2.2

CPU Temperature Monitor



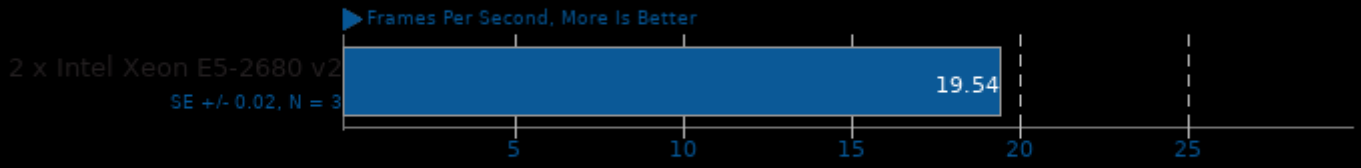
Kvazaar 2.2

System Temperature Monitor



Kvazaar 2.2

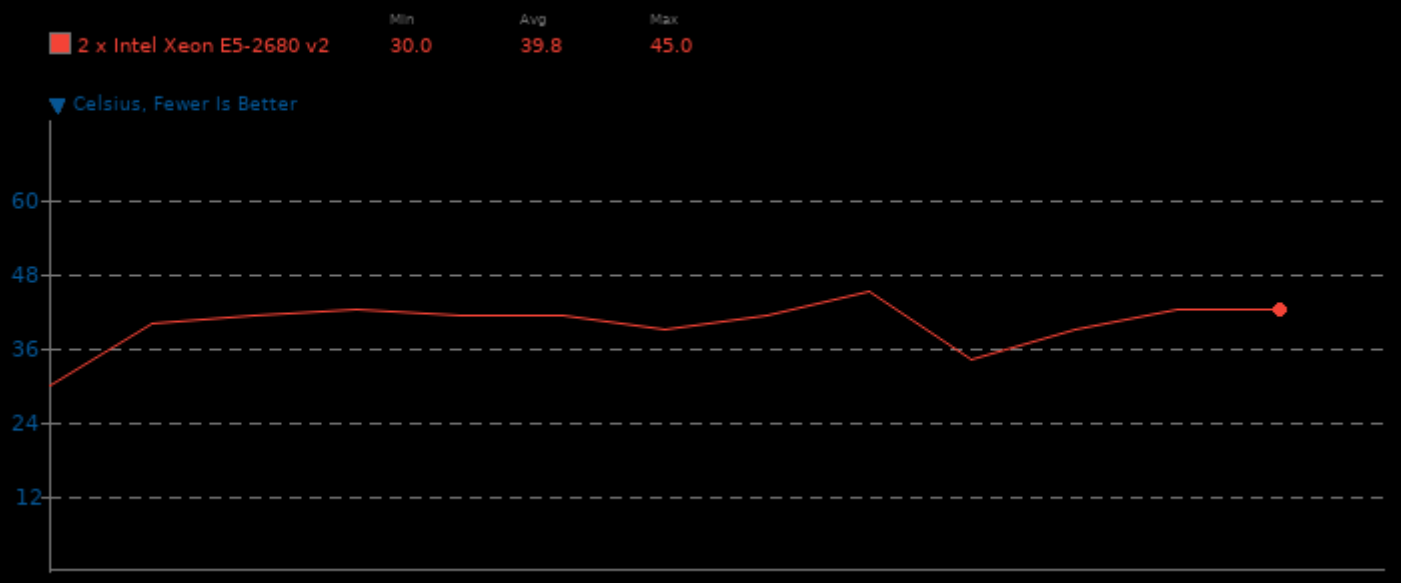
Video Input: Bosphorus 1080p - Video Preset: Very Fast



1. (CC) gcc options: -pthread -ftree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

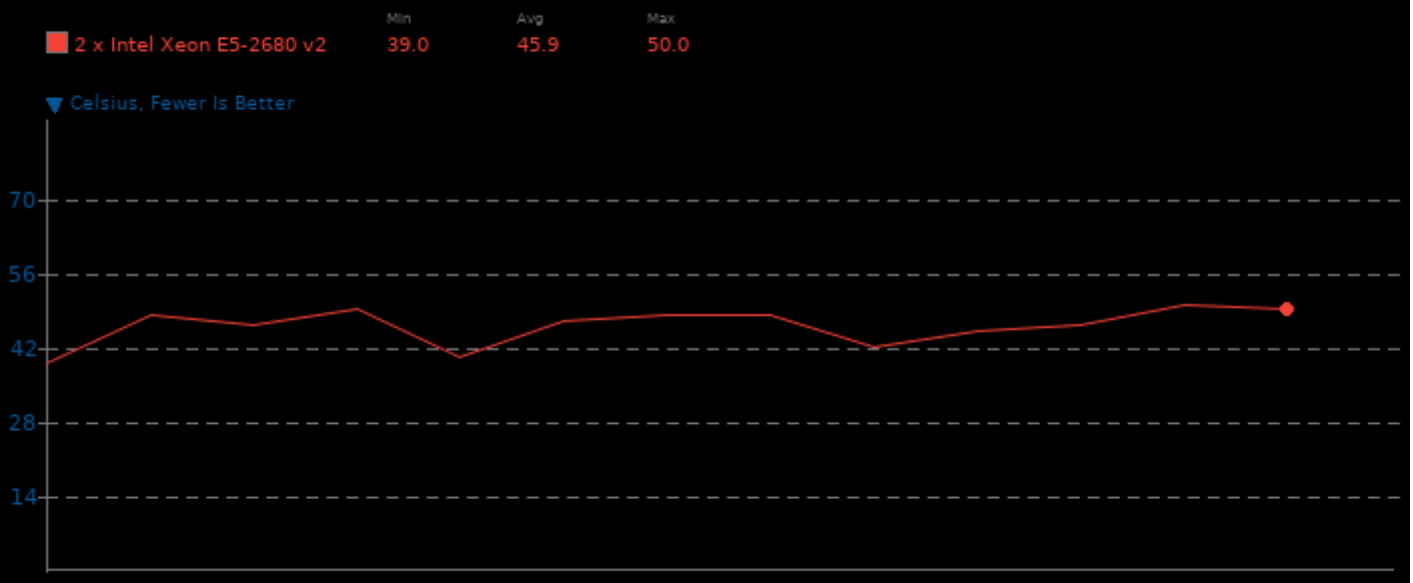
Kvazaar 2.2

CPU Temperature Monitor



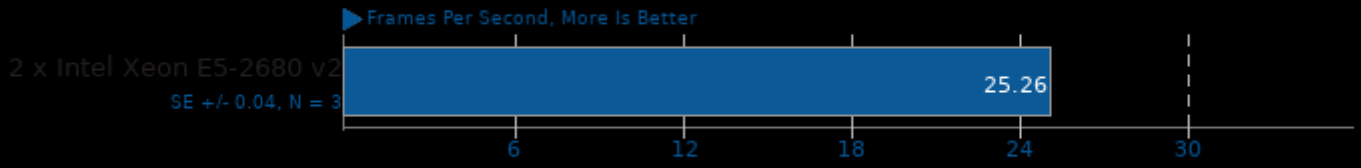
Kvazaar 2.2

System Temperature Monitor



Kvazaar 2.2

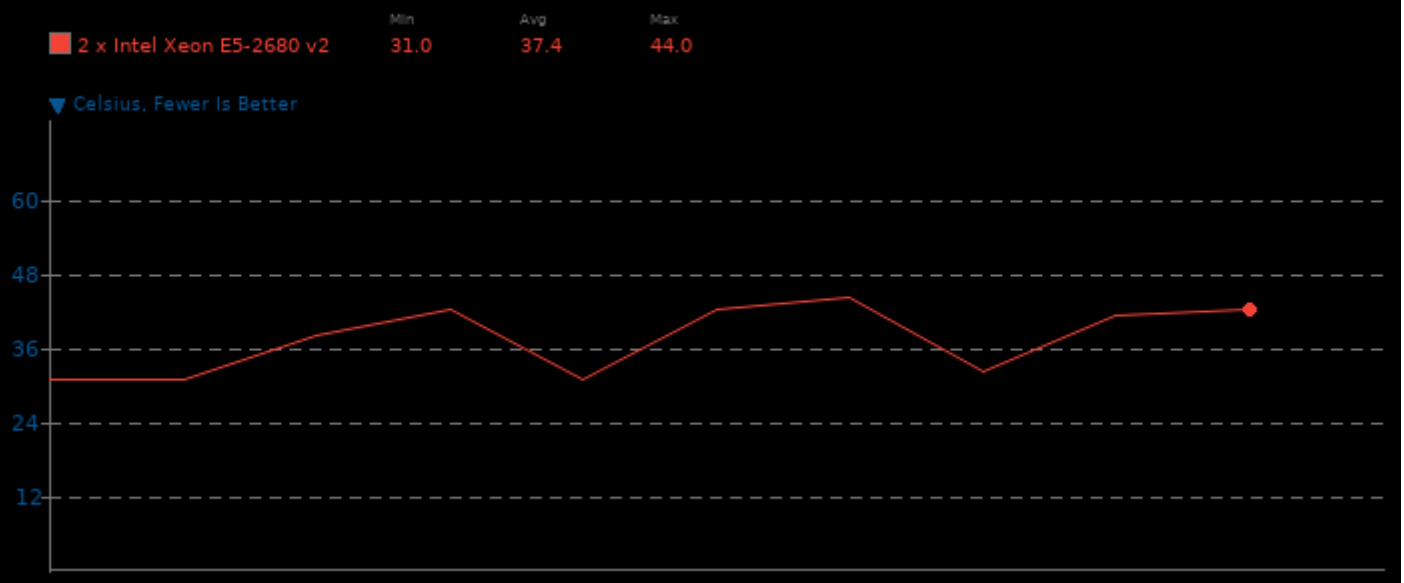
Video Input: Bosphorus 1080p - Video Preset: Super Fast



1. (CC) gcc options: -pthread -ftree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

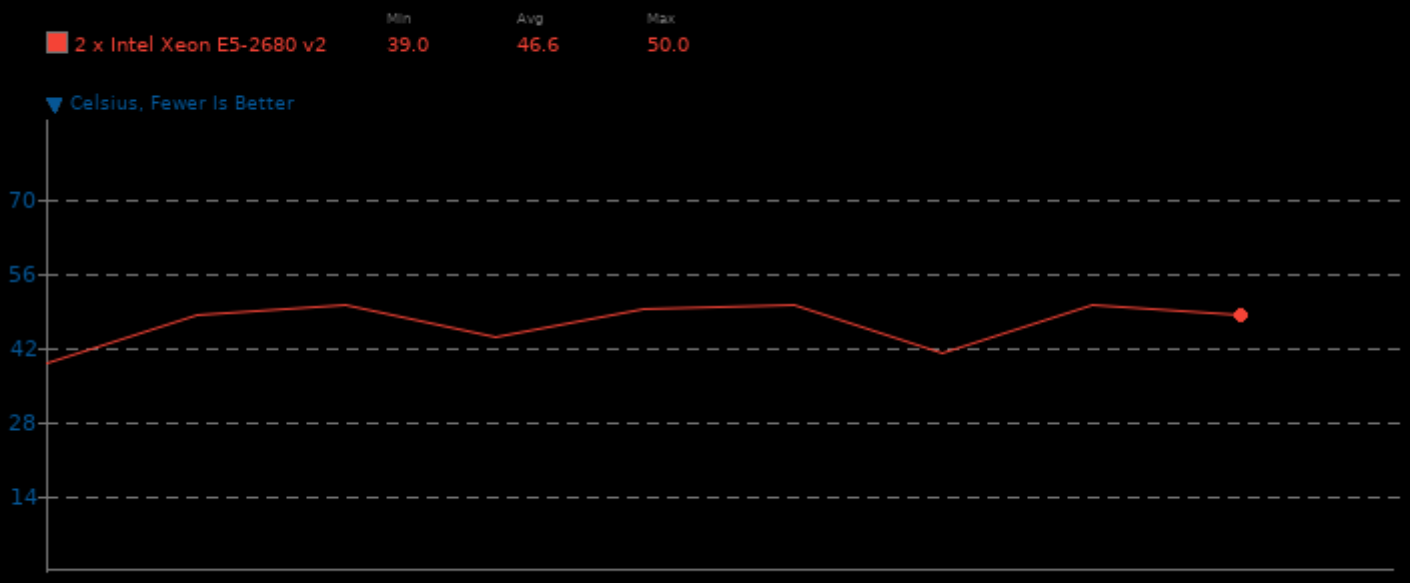
Kvazaar 2.2

CPU Temperature Monitor



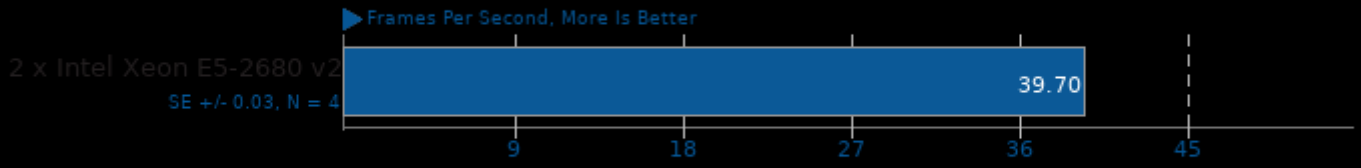
Kvazaar 2.2

System Temperature Monitor



Kvazaar 2.2

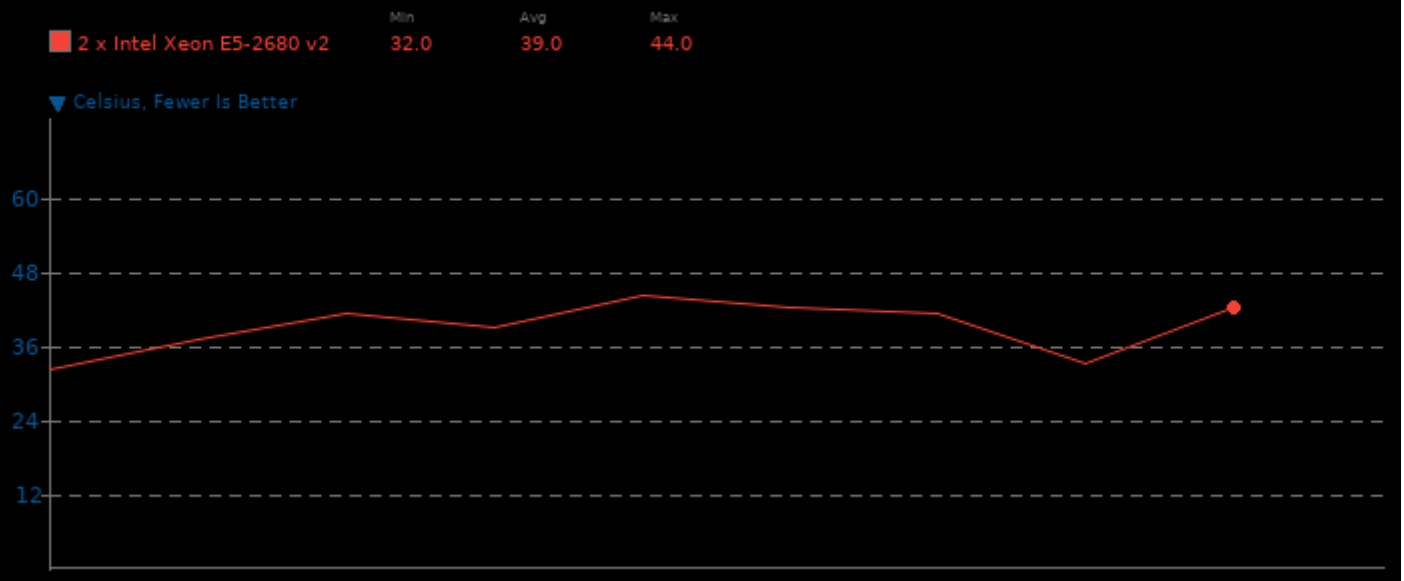
Video Input: Bosphorus 1080p - Video Preset: Ultra Fast



1. (CC) gcc options: -pthread -ftree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

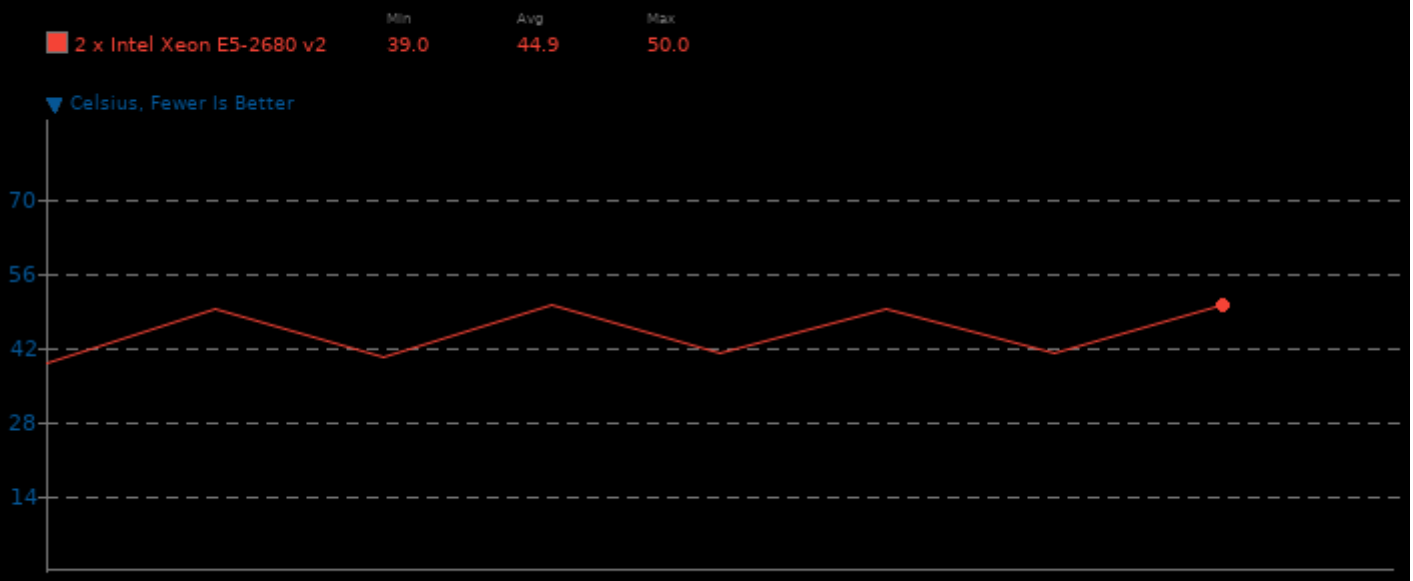
Kvazaar 2.2

CPU Temperature Monitor



Kvazaar 2.2

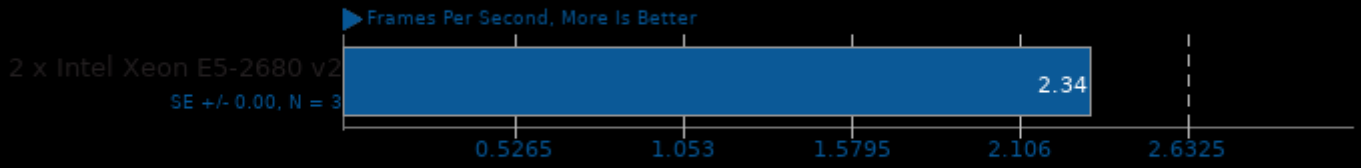
System Temperature Monitor




Kvazaar 2.2
Video Input: Bosphorus 4K - Video Preset: Slow
Frames Per Second, More Is Better
2 x Intel Xeon E5-2680 v2
SE +/- 0.00, N = 3
2.35
0.5288
1.0576
1.5864
2.1152
2.644
1. (CC) gcc options: -pthread -ftree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt
Kvazaar 2.2
CPU Temperature Monitor
Min
Avg
Max
2 x Intel Xeon E5-2680 v2
31.0
47.7
51.0
Celsius, Fewer Is Better
75
60
45
30
15
Kvazaar 2.2
System Temperature Monitor
Min
Avg
Max
2 x Intel Xeon E5-2680 v2
40.0
53.5
57.0
Celsius, Fewer Is Better
80
64
48
32
16

Kvazaar 2.2

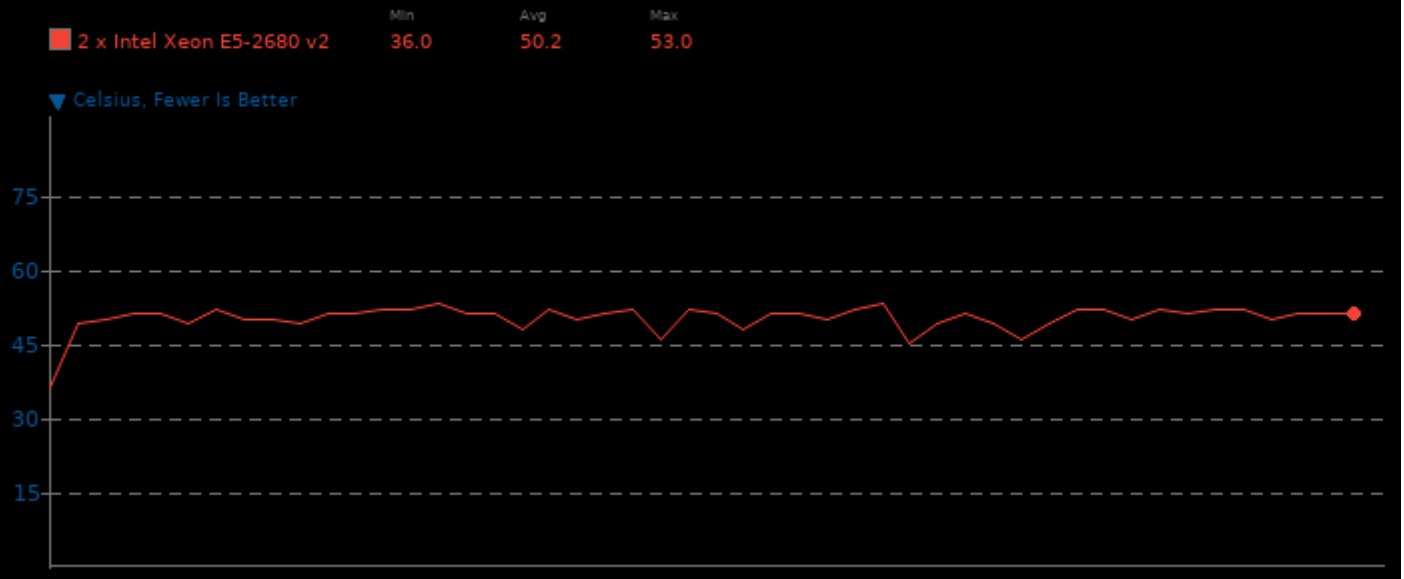
Video Input: Bosphorus 4K - Video Preset: Medium



1. (CC) gcc options: -pthread -ftree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

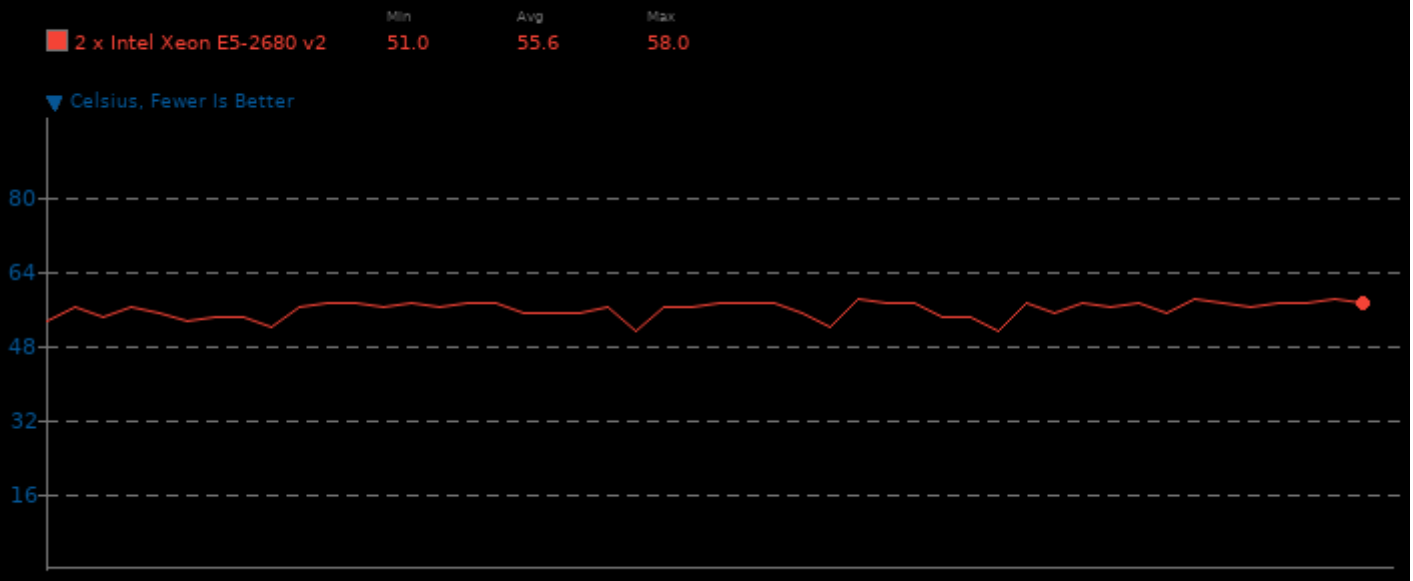
Kvazaar 2.2

CPU Temperature Monitor



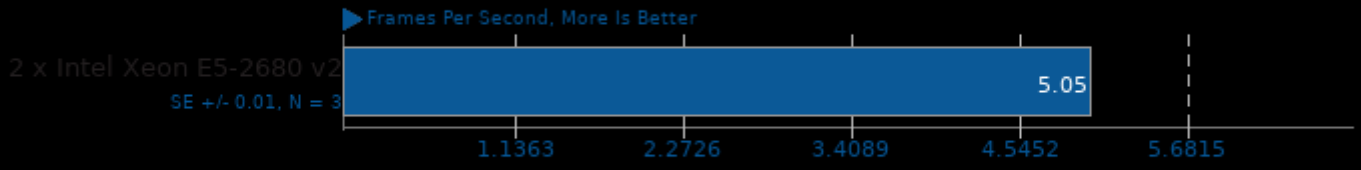
Kvazaar 2.2

System Temperature Monitor



Kvazaar 2.2

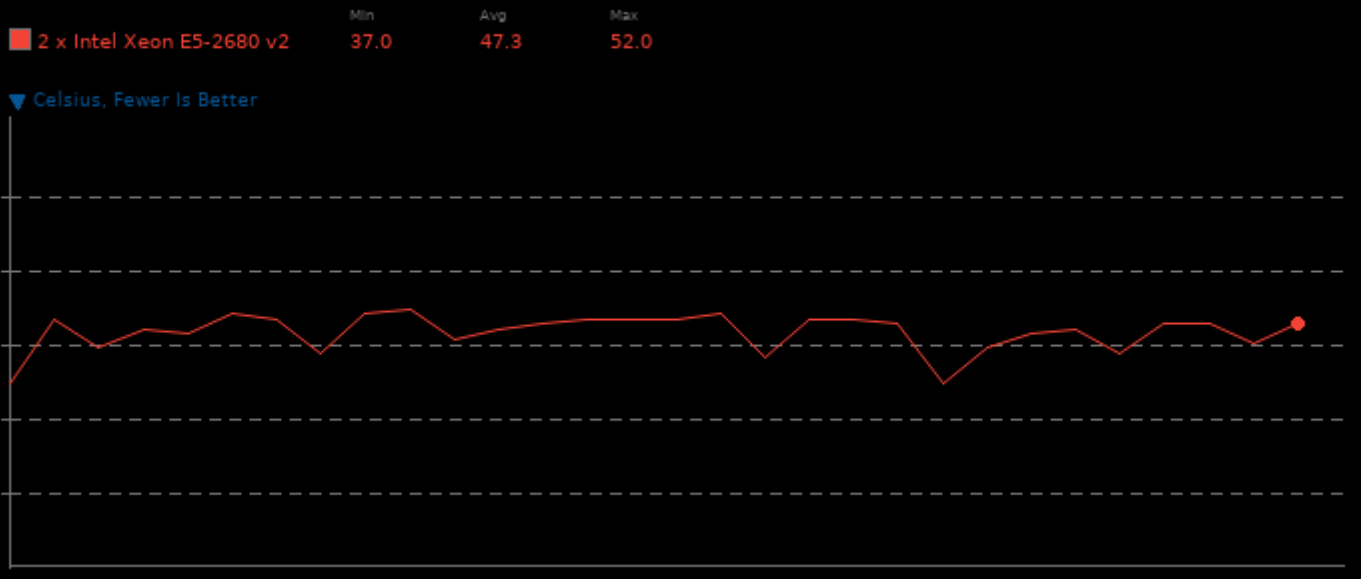
Video Input: Bosphorus 4K - Video Preset: Very Fast



1. (CC) gcc options: -pthread -ftree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

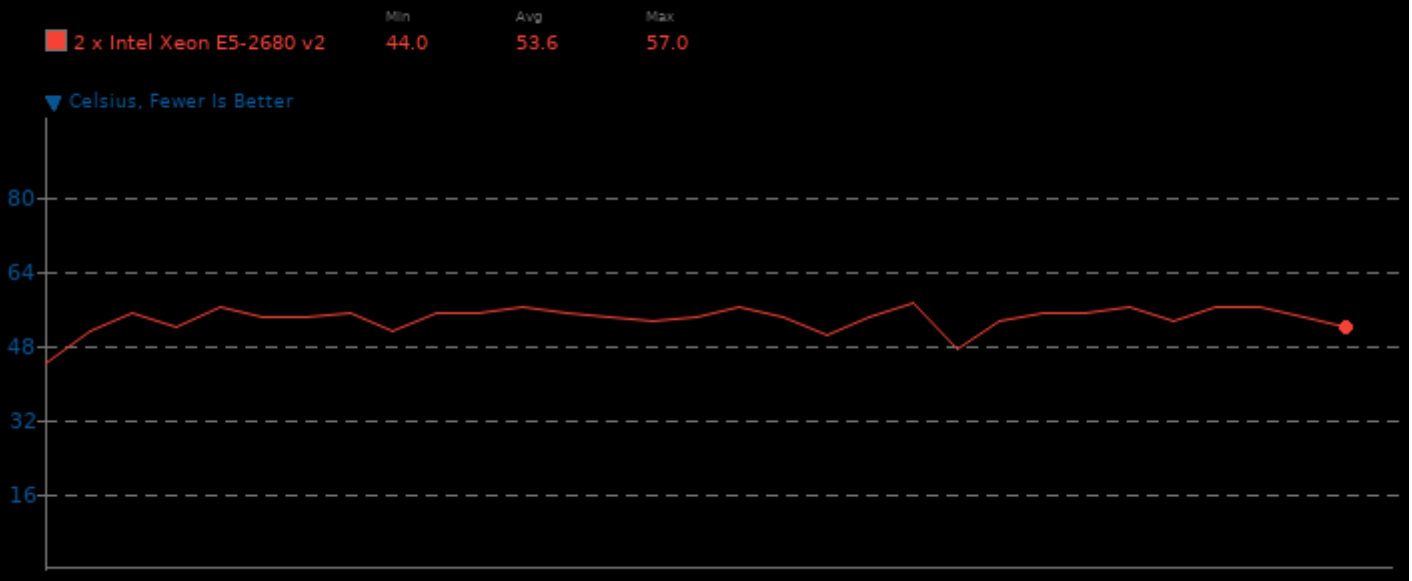
Kvazaar 2.2

CPU Temperature Monitor



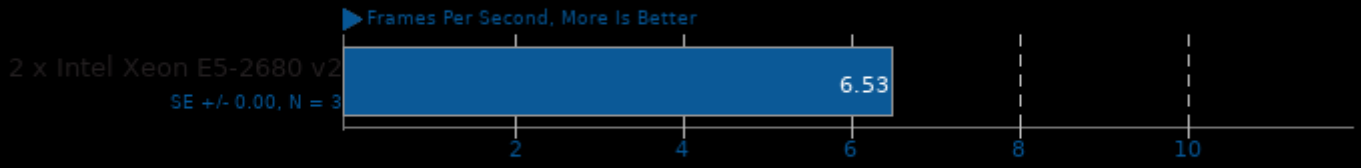
Kvazaar 2.2

System Temperature Monitor



Kvazaar 2.2

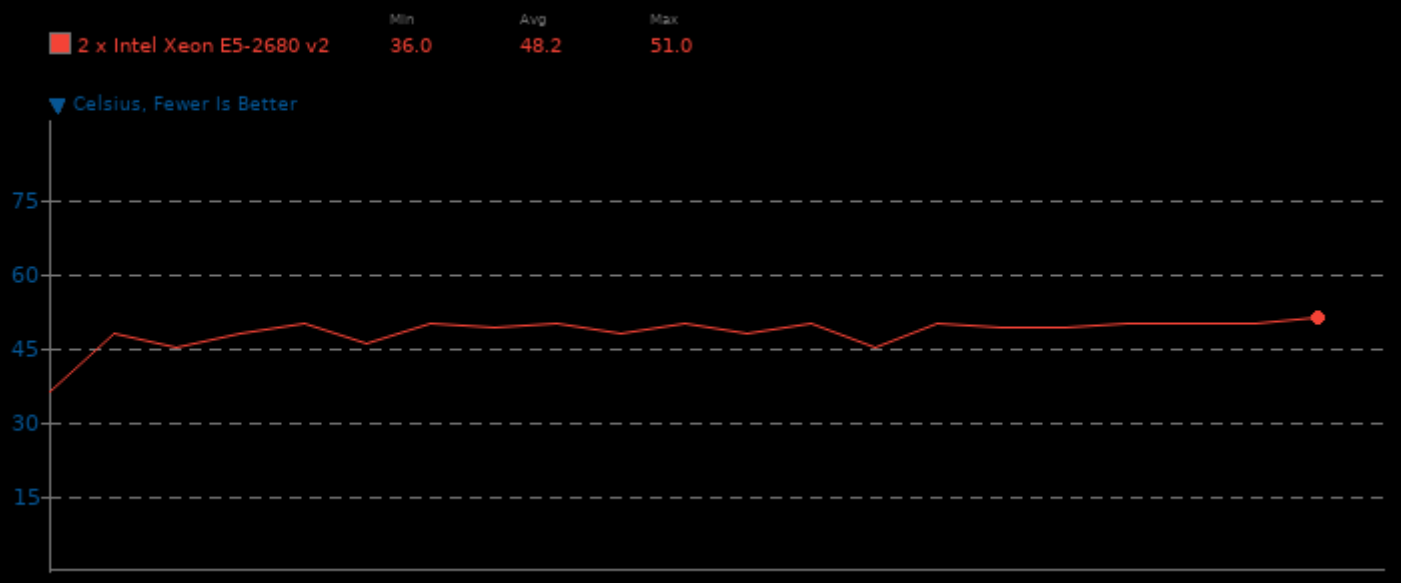
Video Input: Bosphorus 4K - Video Preset: Super Fast



1. (CC) gcc options: -pthread -ftree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

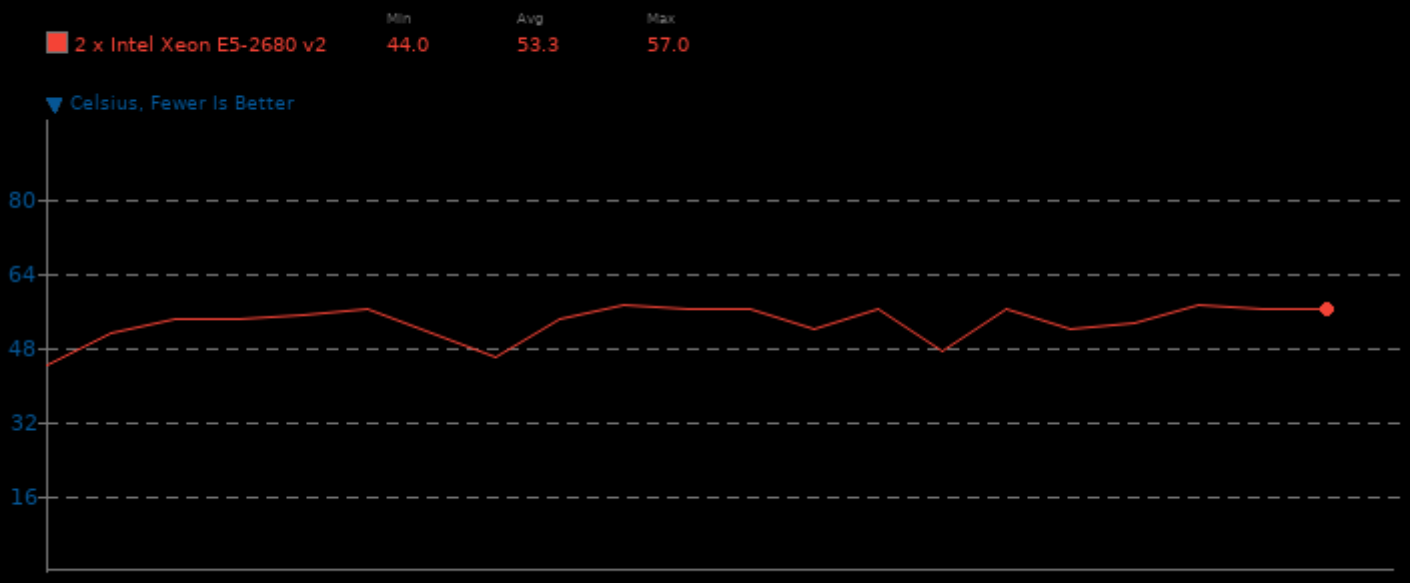
Kvazaar 2.2

CPU Temperature Monitor



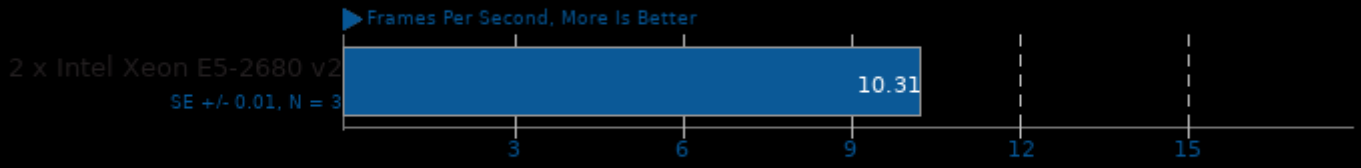
Kvazaar 2.2

System Temperature Monitor



Kvazaar 2.2

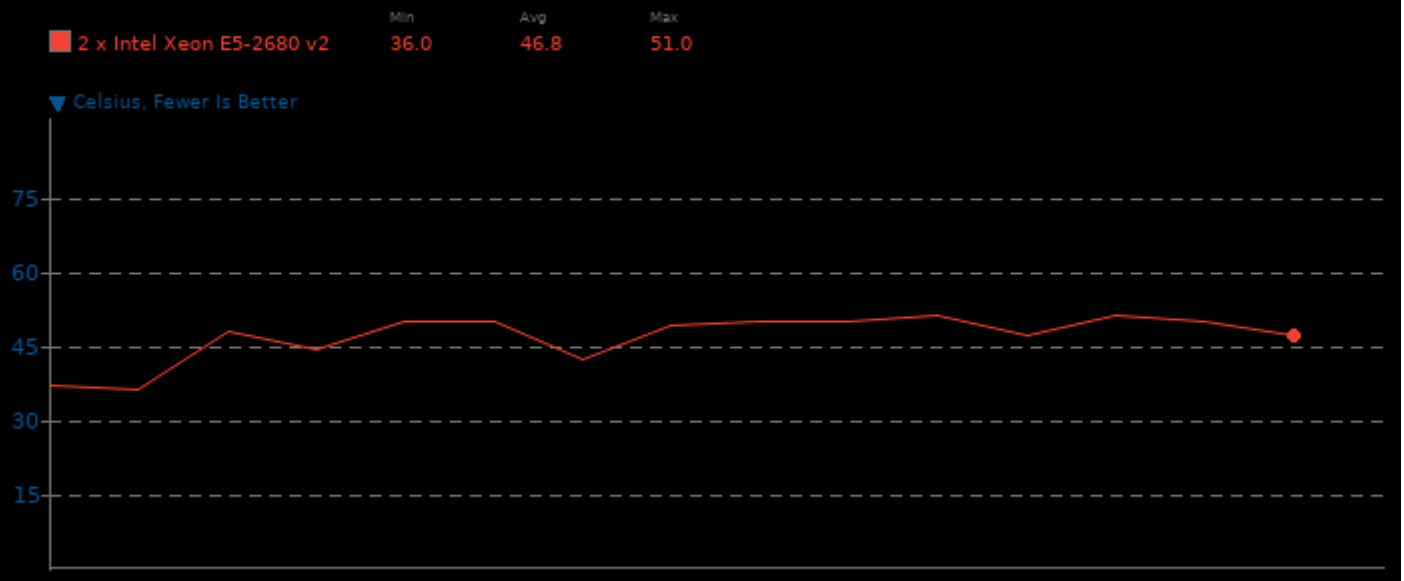
Video Input: Bosphorus 4K - Video Preset: Ultra Fast



1. (CC) gcc options: -pthread -ftree-vectorize -fvisibility=hidden -O2 -lpthread -lm -lrt

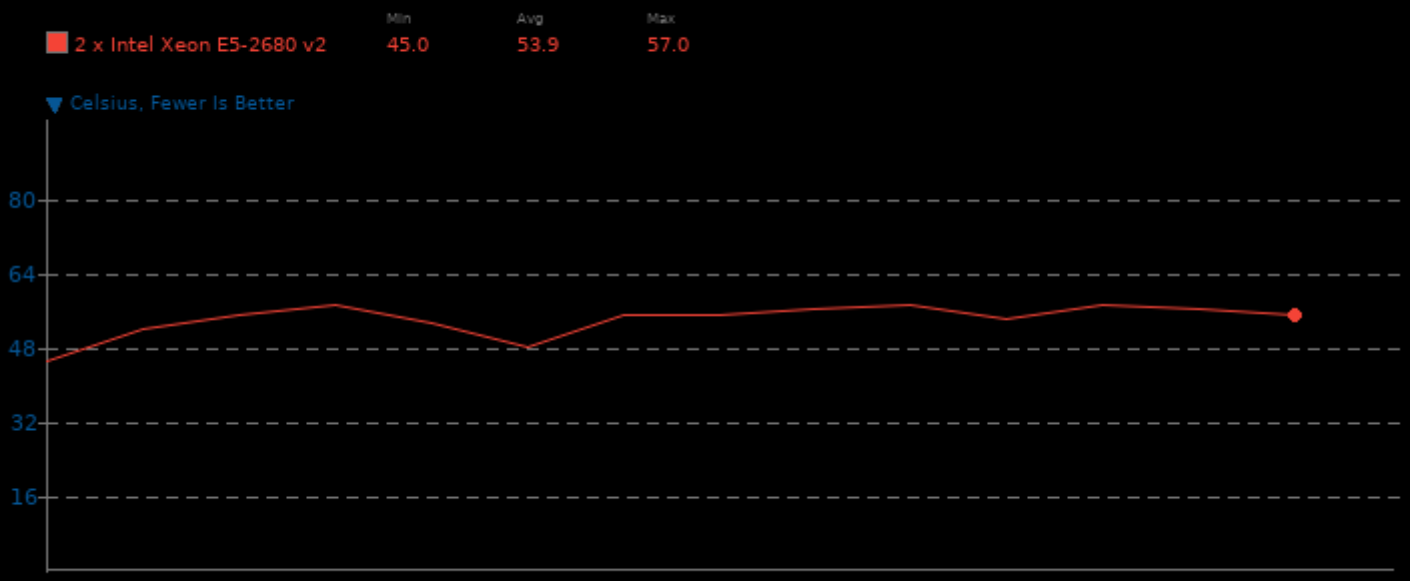
Kvazaar 2.2

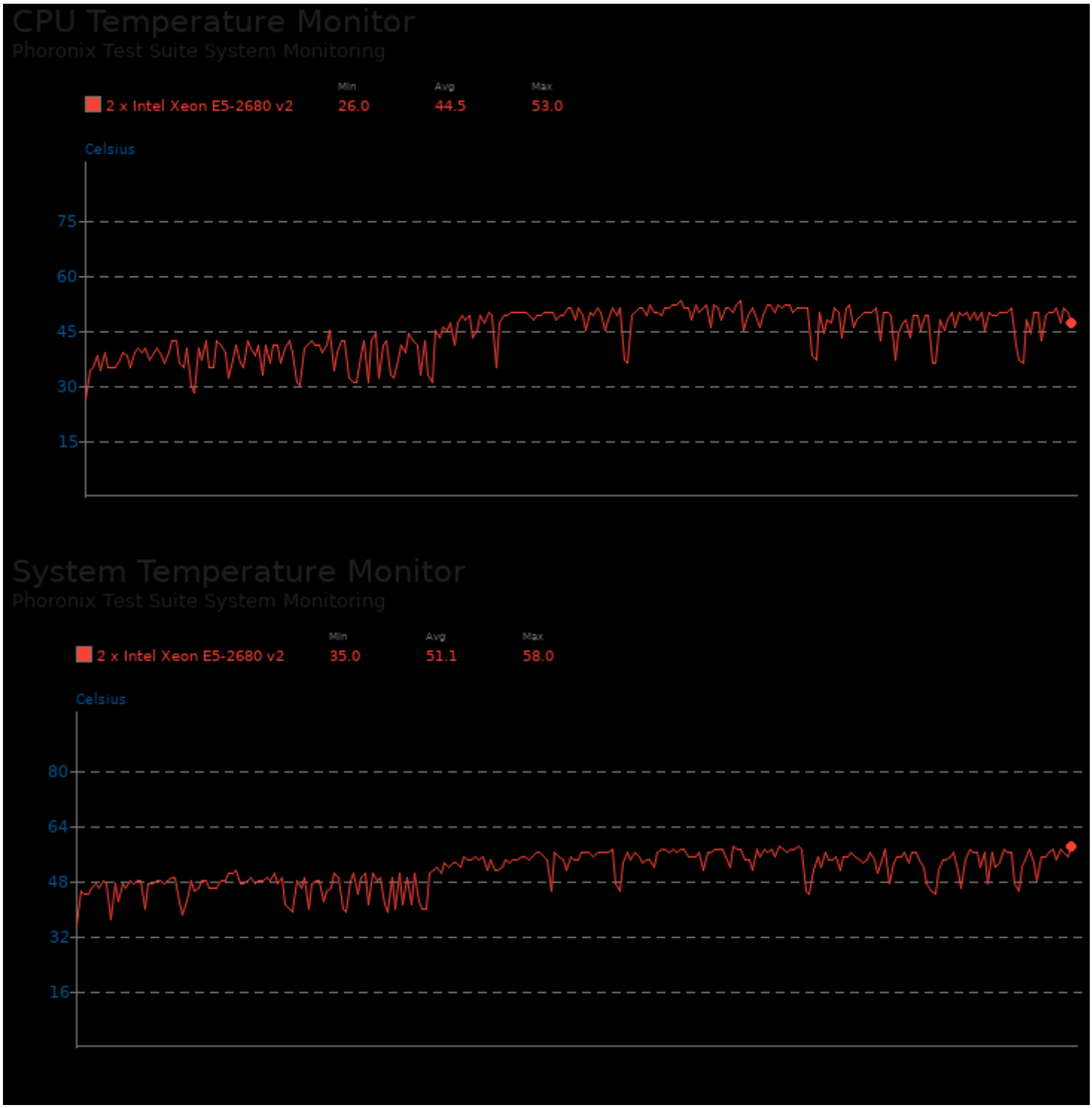
CPU Temperature Monitor



Kvazaar 2.2

System Temperature Monitor





This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 18:40.