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david-1-4.4-2100

Intel Core i7-7700K testing with a Gigabyte Z170XP-SLI-CF (F21 BIOS) and ASUS NVIDIA GeForce GTX 1080 Ti 11GB on ManjaroLinux 20.2 via the Phoronix Test Suite.

Test Systems:

Intel Core i7-7700K

david-3-4.8-2400

Processor: Intel Core i7-7700K @ 4.50GHz (4 Cores / 8 Threads), Motherboard: Gigabyte Z170XP-SLI-CF (F21 BIOS), Chipset: Intel Xeon E3-1200 v6/7th, Memory: 16GB, Disk: 1000GB Samsung SSD 860 + 2 x 4001GB TOSHIBA HDWQ140 + 250GB Samsung SSD 850, Graphics: ASUS NVIDIA GeForce GTX 1080 Ti 11GB (1569/5508MHz), Audio: Realtek ALC1150, Monitor: ROG PG279Q, Network: Intel I219-V

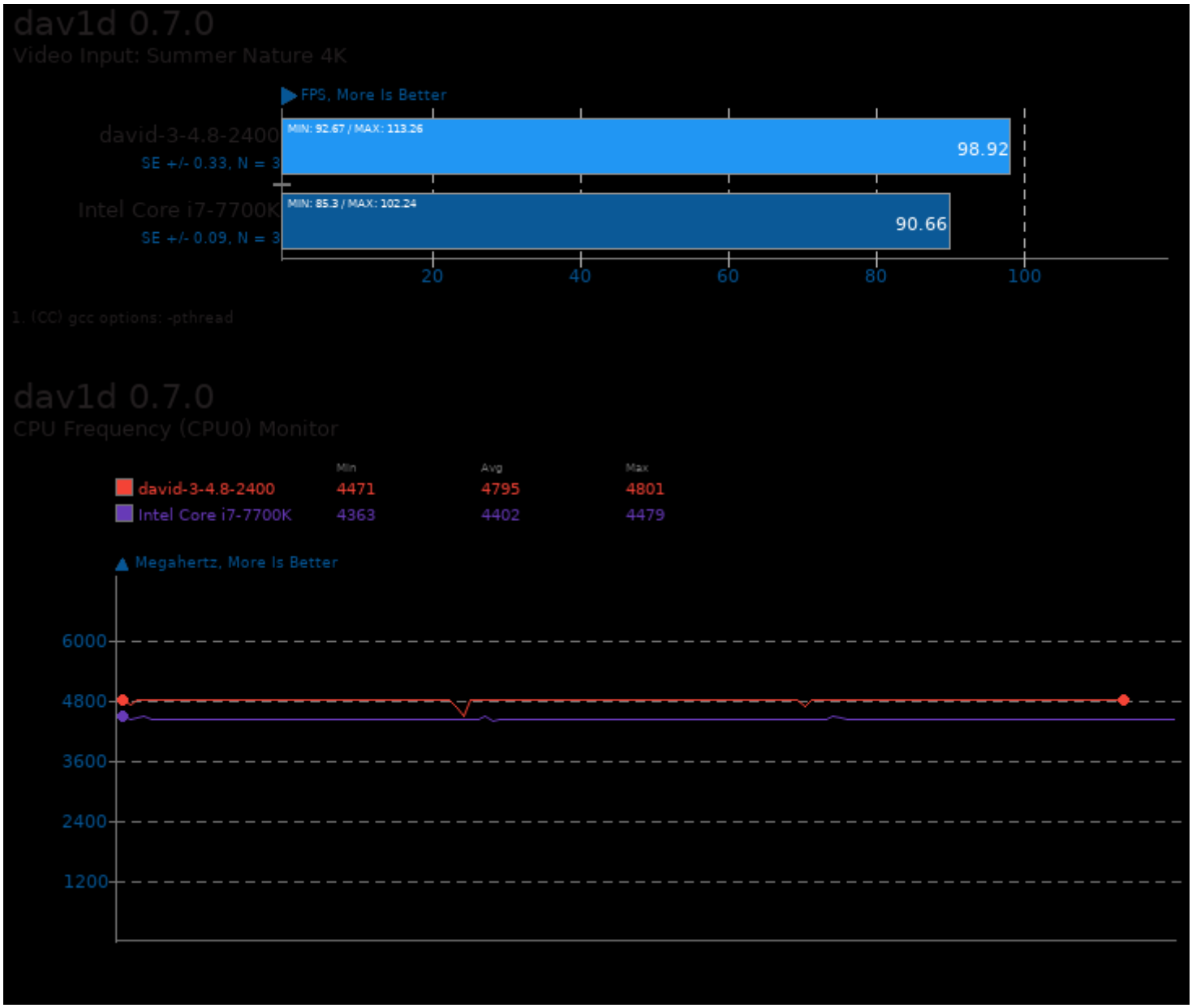
OS: ManjaroLinux 20.2, Kernel: 5.8.18-1-MANJARO (x86_64), Desktop: KDE Plasma 5.20.2, Display Server: X Server 1.20.9, Display Driver: NVIDIA 440.100, OpenGL: 4.6.0, Compiler: GCC 10.2.0, File-System: ext4, Screen Resolution: 2560x1440

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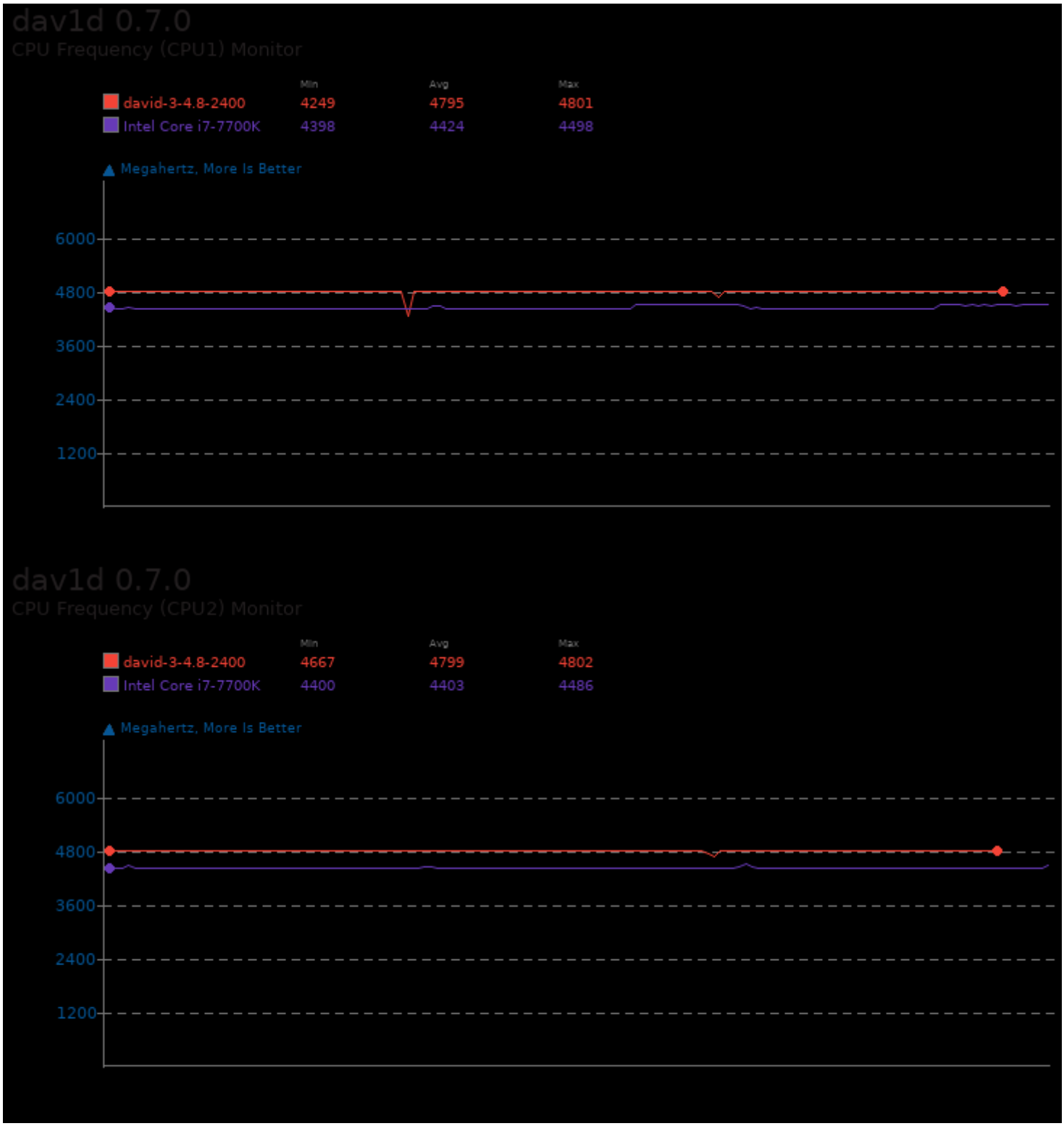
Compiler Notes: --disable-libssp --disable-libstdcxx-pch --disable-libunwind-exceptions --disable-werror --enable-__cxa_atexit --enable-cet=auto --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-default-ssp --enable-gnu-indirect-function --enable-gnu-unique-object --enable-install-libiberty --enable-languages=c,c++,ada,fortran,go,lto,objc,obj-c++,d --enable-lto --enable-multilib --enable-plugin --enable-shared --enable-threads=posix --mandir=/usr/share/man --with-isl --with-linker-hash-style=gnu
Processor Notes: Scaling Governor: intel_pstate performance - CPU Microcode: 0xd6
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 + 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 generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling + srbds: Mitigation of Microcode + tsx_async_abort: Mitigation of Clear buffers; SMT vulnerable

	Intel Core i7-7700K	david-3-4.8-2400
dav1d - Summer Nature 4K (FPS)	**90.66**	**98.92**
Normalized	91.65%	100%
Standard Deviation	0.2%	0.6%

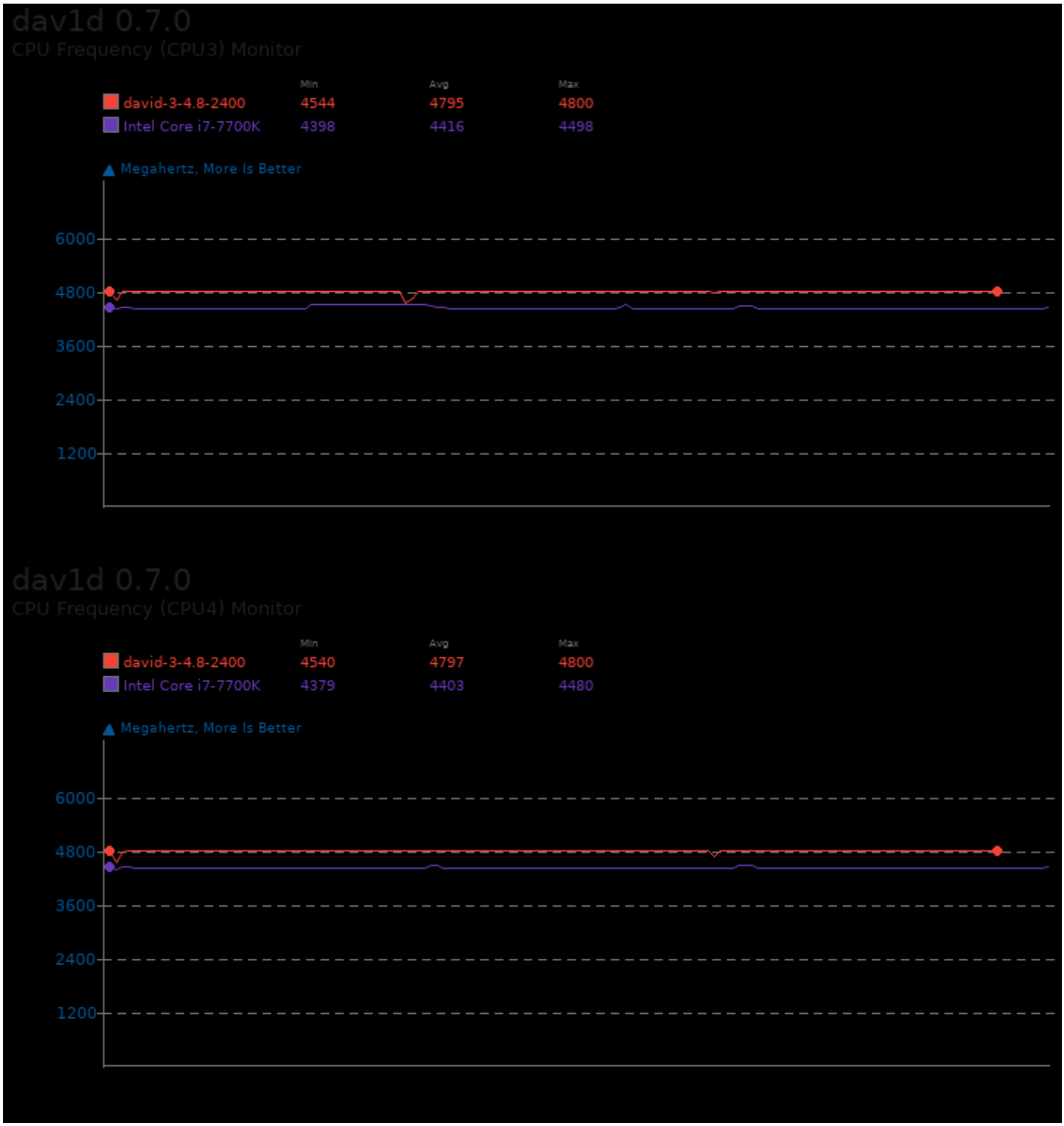
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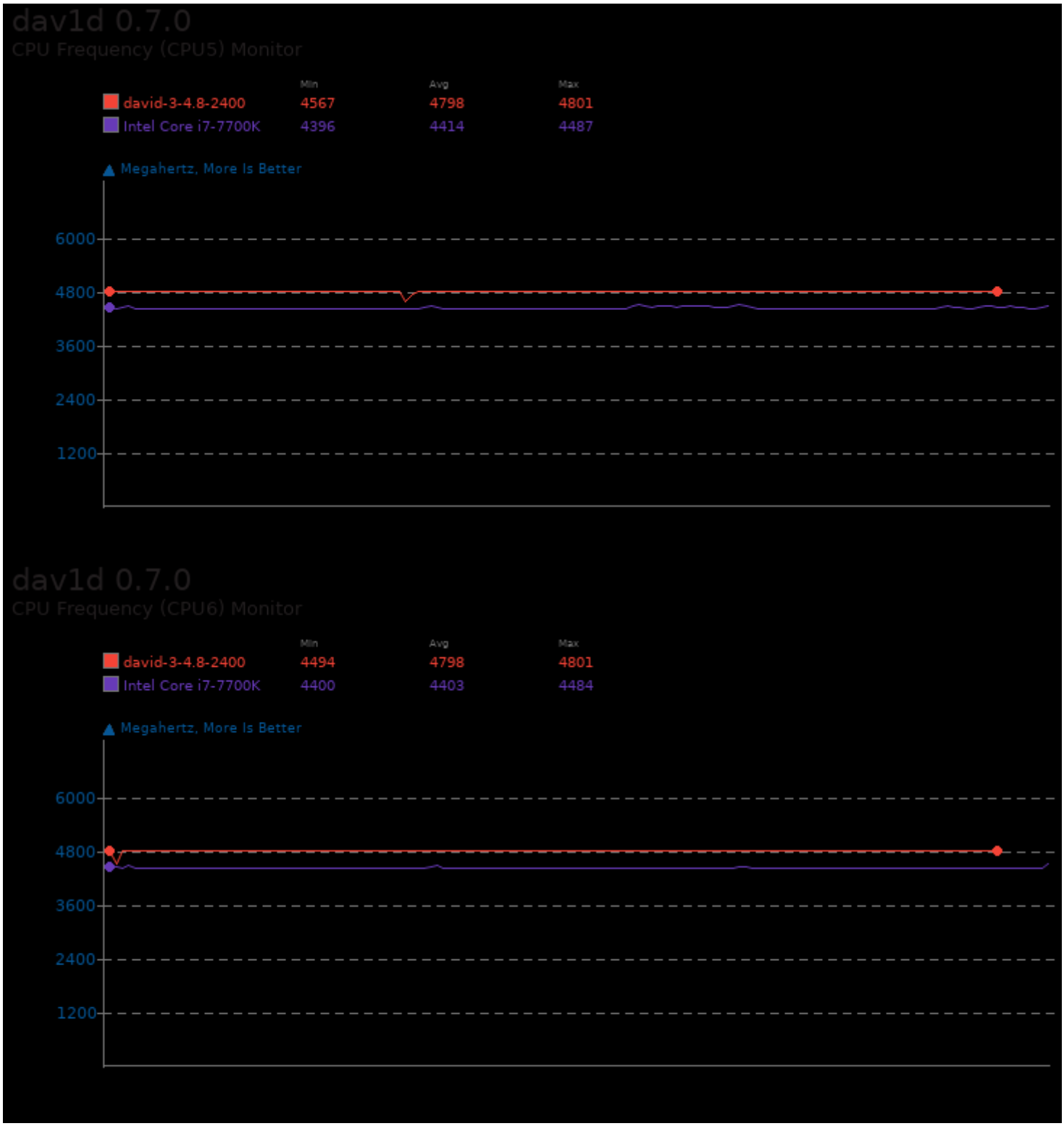
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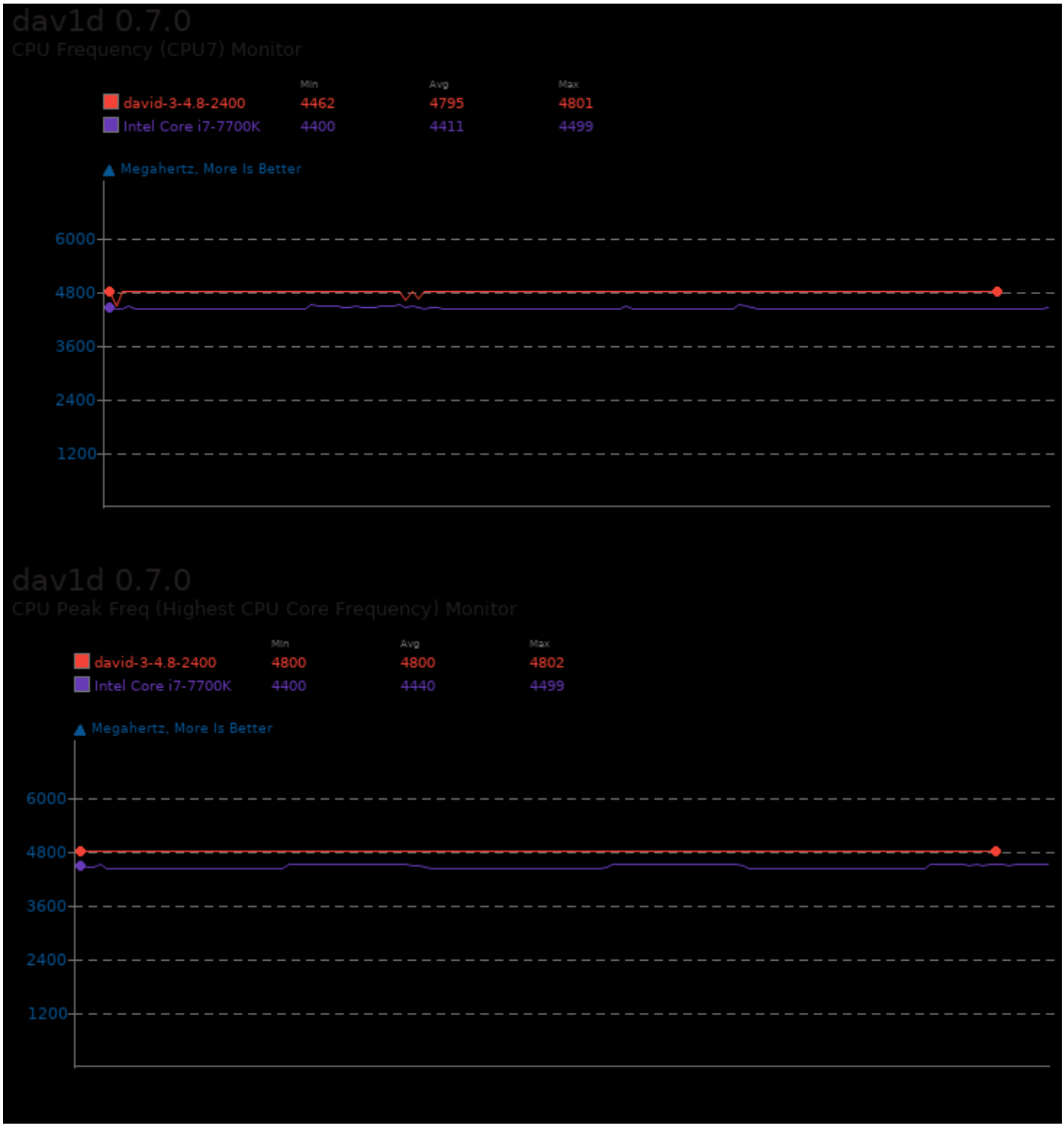
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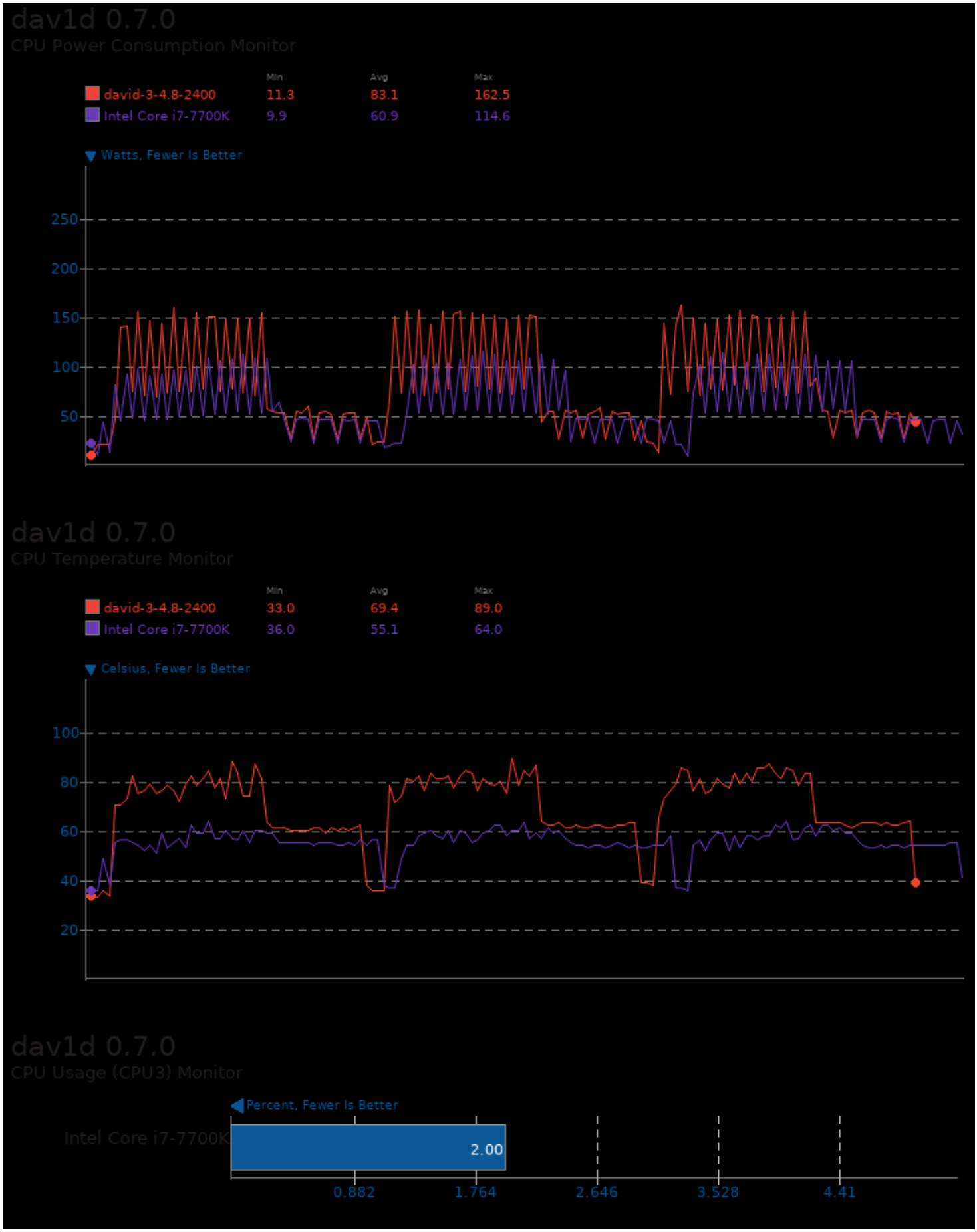
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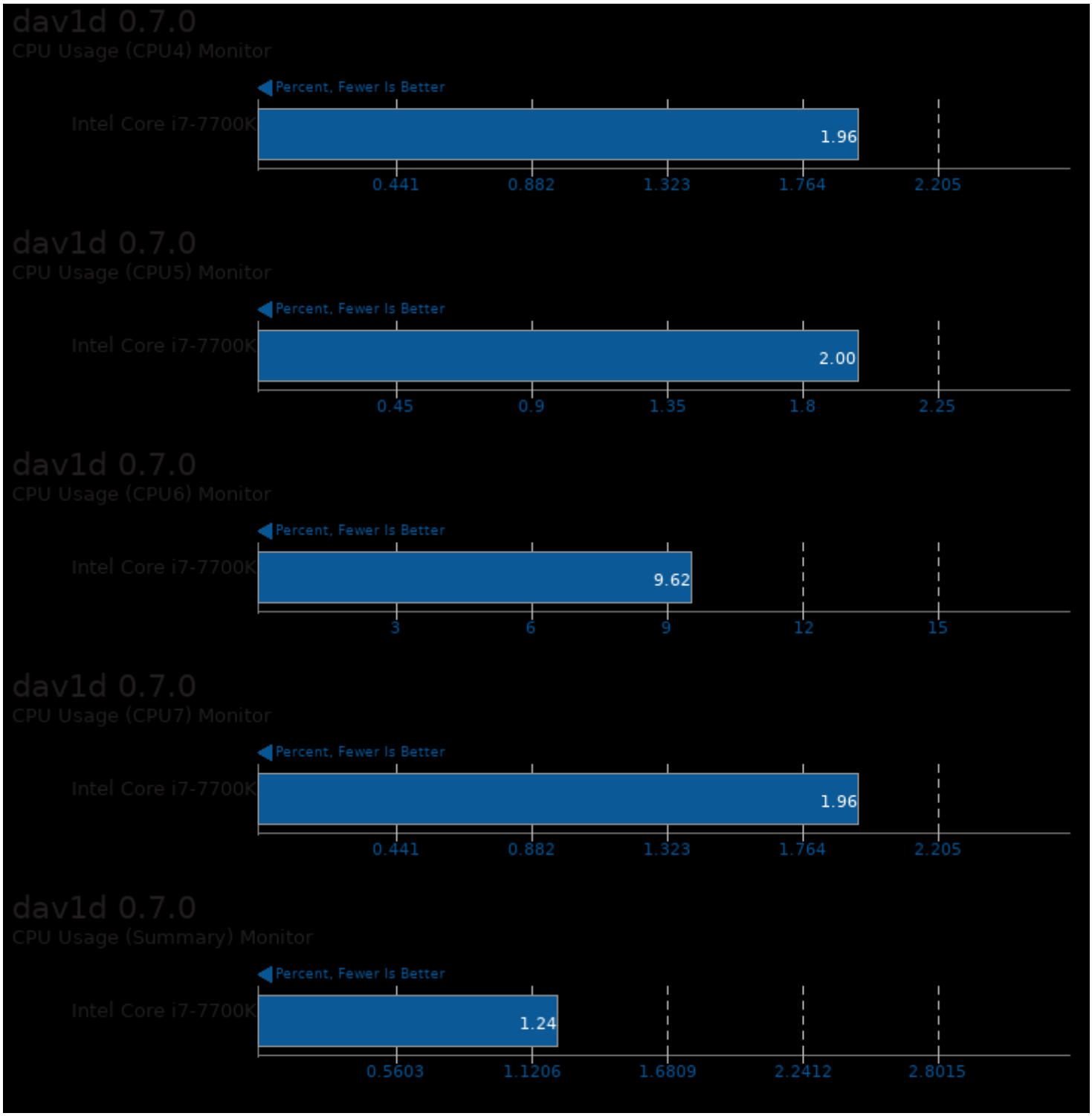


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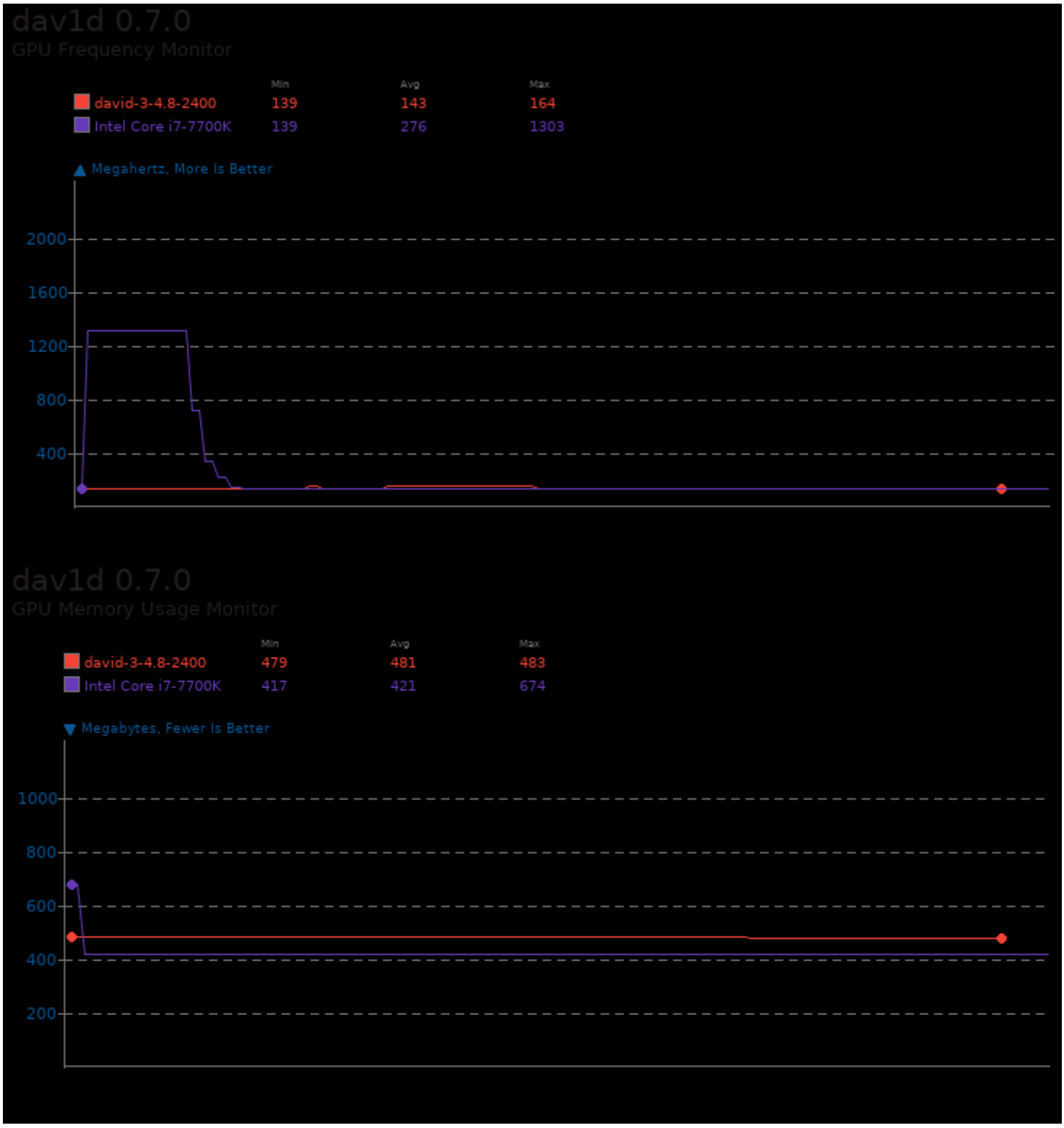


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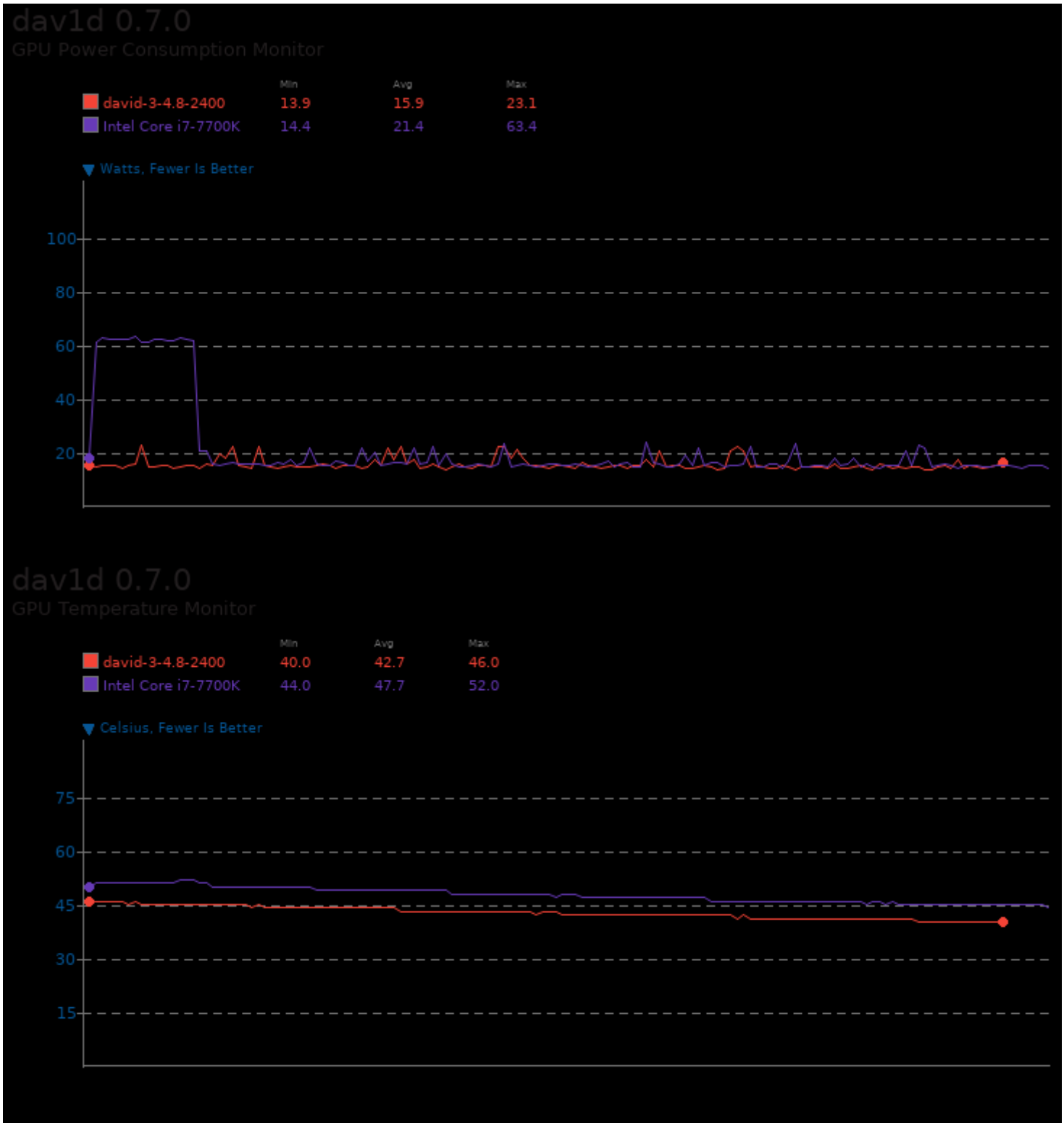



dav1d 0.7.0
CPU Usage (CPU4) Monitor
Percent, Fewer Is Better
Intel Core i7-7700K
1.96
0.441
0.882
1.323
1.764
2.205
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CPU Usage (CPU5) Monitor
Percent, Fewer Is Better
Intel Core i7-7700K
2.00
0.45
0.9
1.35
1.8
2.25
dav1d 0.7.0
CPU Usage (CPU6) Monitor
Percent, Fewer Is Better
Intel Core i7-7700K
9.62
3
6
9
12
15
dav1d 0.7.0
CPU Usage (CPU7) Monitor
Percent, Fewer Is Better
Intel Core i7-7700K
1.96
0.441
0.882
1.323
1.764
2.205
dav1d 0.7.0
CPU Usage (Summary) Monitor
Percent, Fewer Is Better
Intel Core i7-7700K
1.24
0.5603
1.1206
1.6809
2.2412
2.8015

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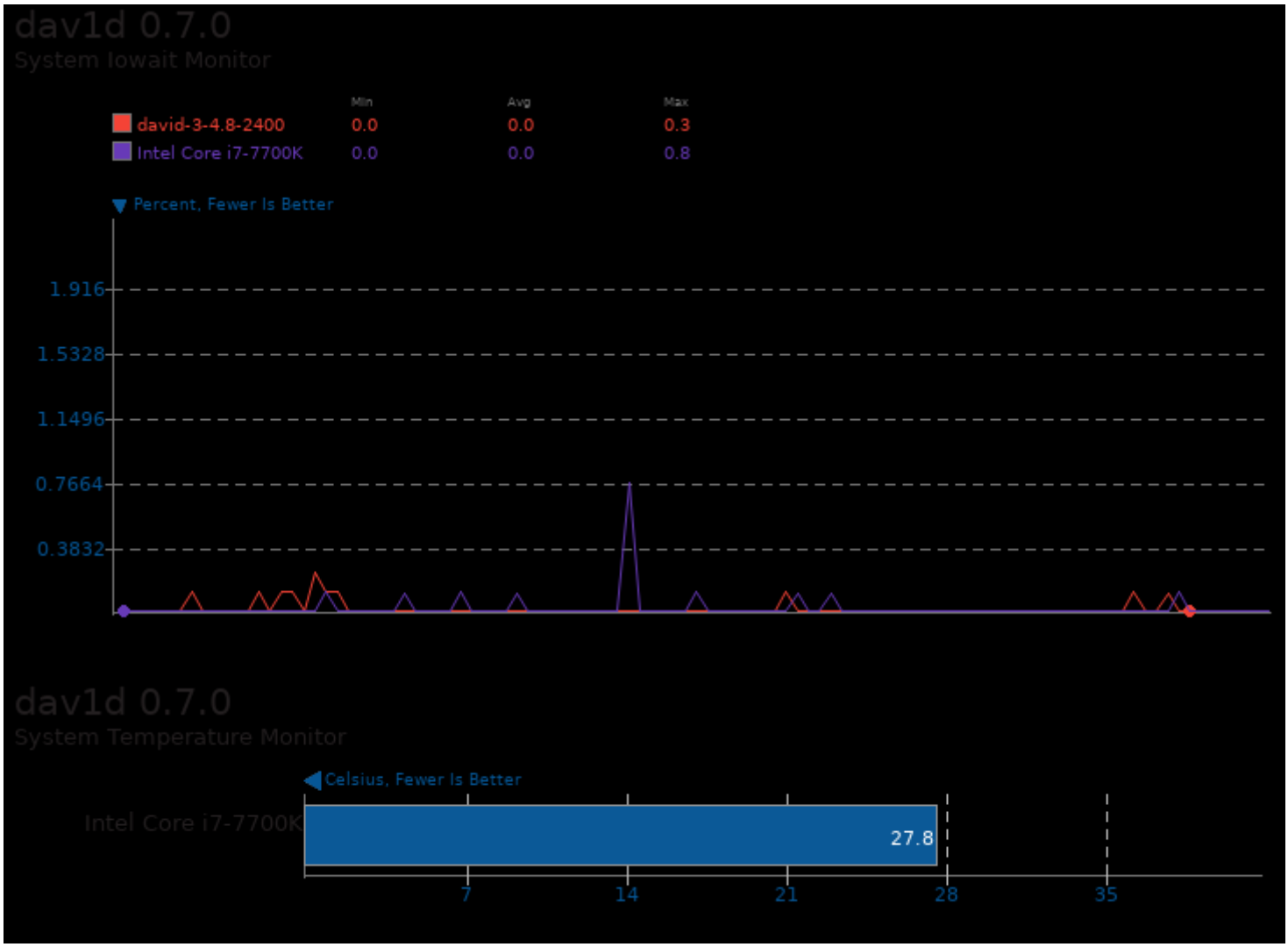
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