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run some stuff on some systems

AMD Ryzen 5 5500U testing with a ASUS UX425UG v1.0 (UX425UG.300 BIOS) and ASUS AMD Lucienne 2GB on Ubuntu 22.10 via the Phoronix Test Suite.

Test Systems:

.SYSTEM

Processor: AMD Ryzen 5 5500U @ 4.06GHz (6 Cores / 12 Threads), Motherboard: ASUS UX425UG v1.0 (UX425UG.300 BIOS), Chipset: AMD Renoir/Cezanne, Memory: 2 x 4 GB LPDDR4-4266MT/s H9HCNNNBKMMLXR-, Disk: 2000GB SHGP31-2000GM, Graphics: ASUS AMD Lucienne 2GB, Audio: AMD Renoir Radeon HD Audio, Monitor: DELL U3821DW, Network: Intel Wi-Fi 6 AX200

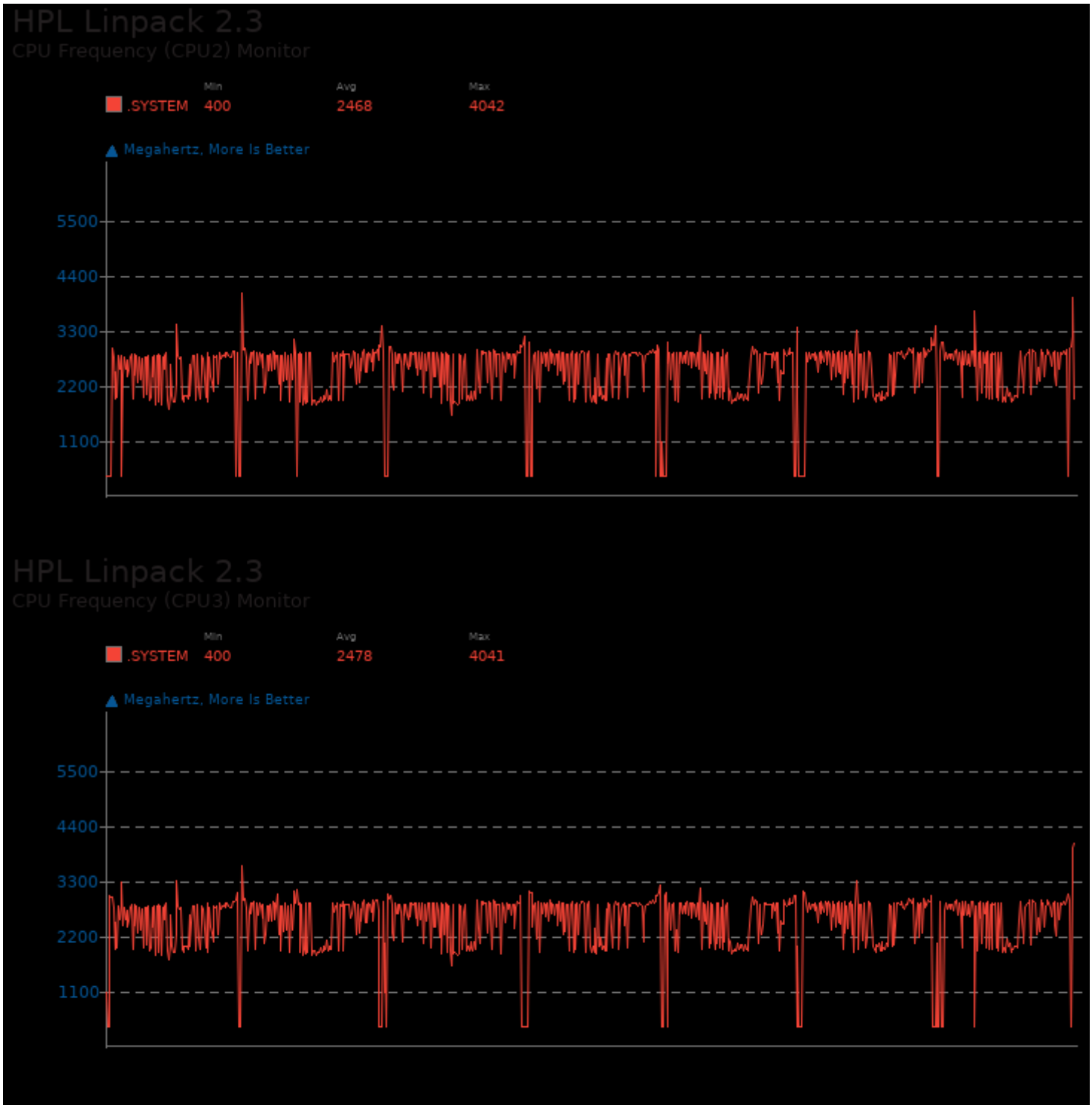
OS: Ubuntu 22.10, Kernel: 5.19.0-23-generic (x86_64), Display Server: X Server 1.21.1.4, Display Driver: NVIDIA, OpenCL: OpenCL 3.0 CUDA 11.6.134, Compiler: GCC 12.2.0, File-System: ext4, Screen Resolution: 3840x1600

Kernel Notes: Transparent Huge Pages: madvise
Compiler Notes: --build=x86_64-linux-gnu --disable-vtable-verify --disable-werror --enable-cet --enable-checking=release --enable-clocale=gnu --enable-default-pie --enable-gnu-unique-object --enable-languages=c,ada,c++,go,d,fortran,objc,obj-c++,m2 --enable-libphobos-checking=release --enable-libstdcxx-debug

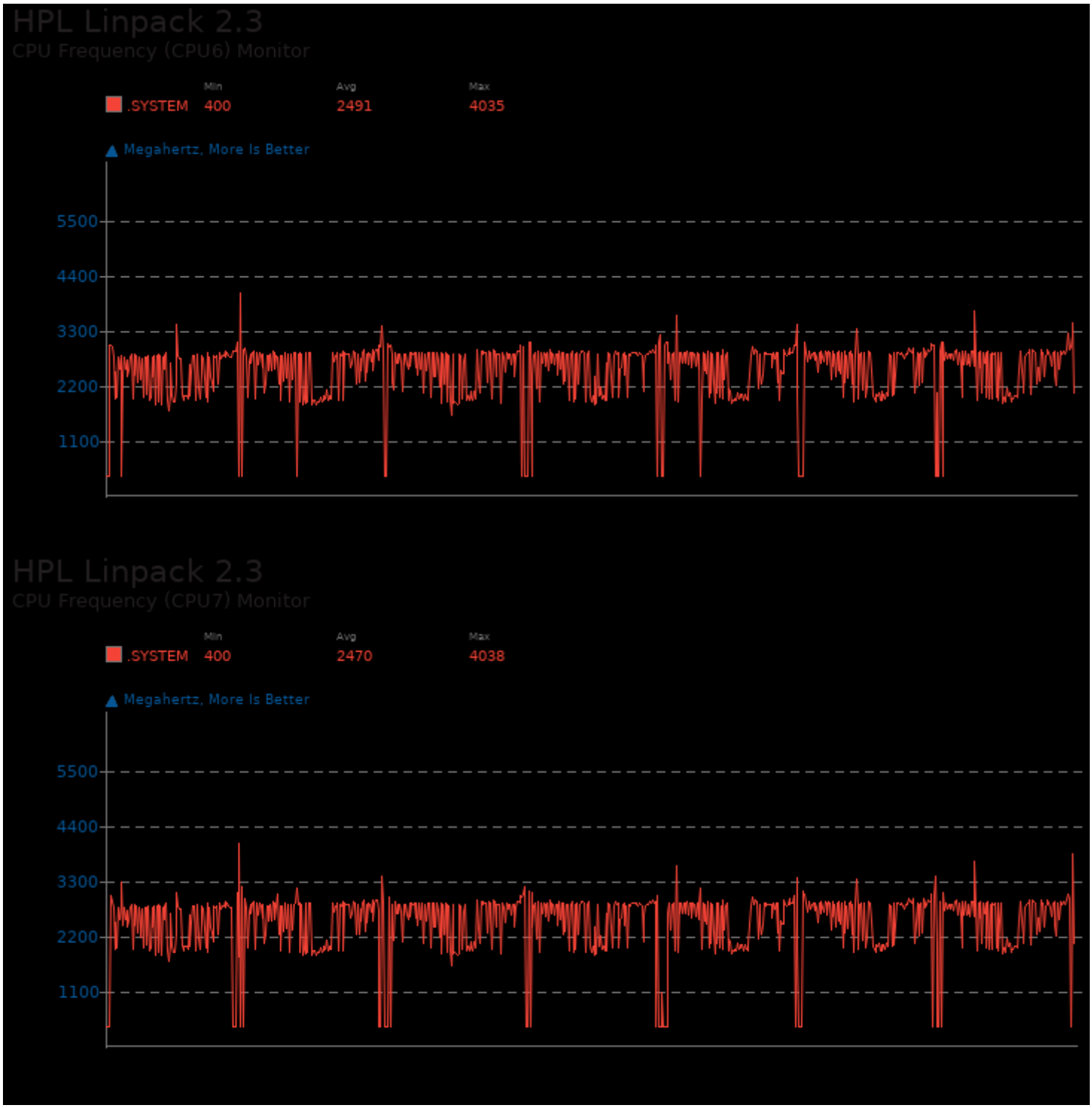
--enable-libstdcxx-time=yes --enable-multiarch --enable-multilib --enable-nls --enable-objc-gc=auto --enable-offload-defaulted --enable-offload-targets=nvptx-none=/build/gcc-12-U8K4Qv/gcc-12-12.2.0/debian/tmp-nvptx/usr,amdgcn-amdhsa=/build/gcc-12-U8K4Qv/gcc-12-12.2.0/debian/tmp-gcn/usr --enable-plugin --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=auto --with-tune=generic --without-cuda-driver -v
Processor Notes: Scaling Governor: amd-pstate schedutil (Boost: Enabled) - CPU Microcode: 0x8608103
Python Notes: Python 3.10.7
Security Notes: itlb_multihit: Not affected + l1tf: Not affected + mds: Not affected + meltdown: Not affected + mmio_stale_data: Not affected + retbleed: Mitigation of untrained return thunk; SMT enabled with STIBP protection + 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 STIBP: always-on RSB filling PBRSB-eIBRS: Not affected + srbds: Not affected + tsx_async_abort: Not affected

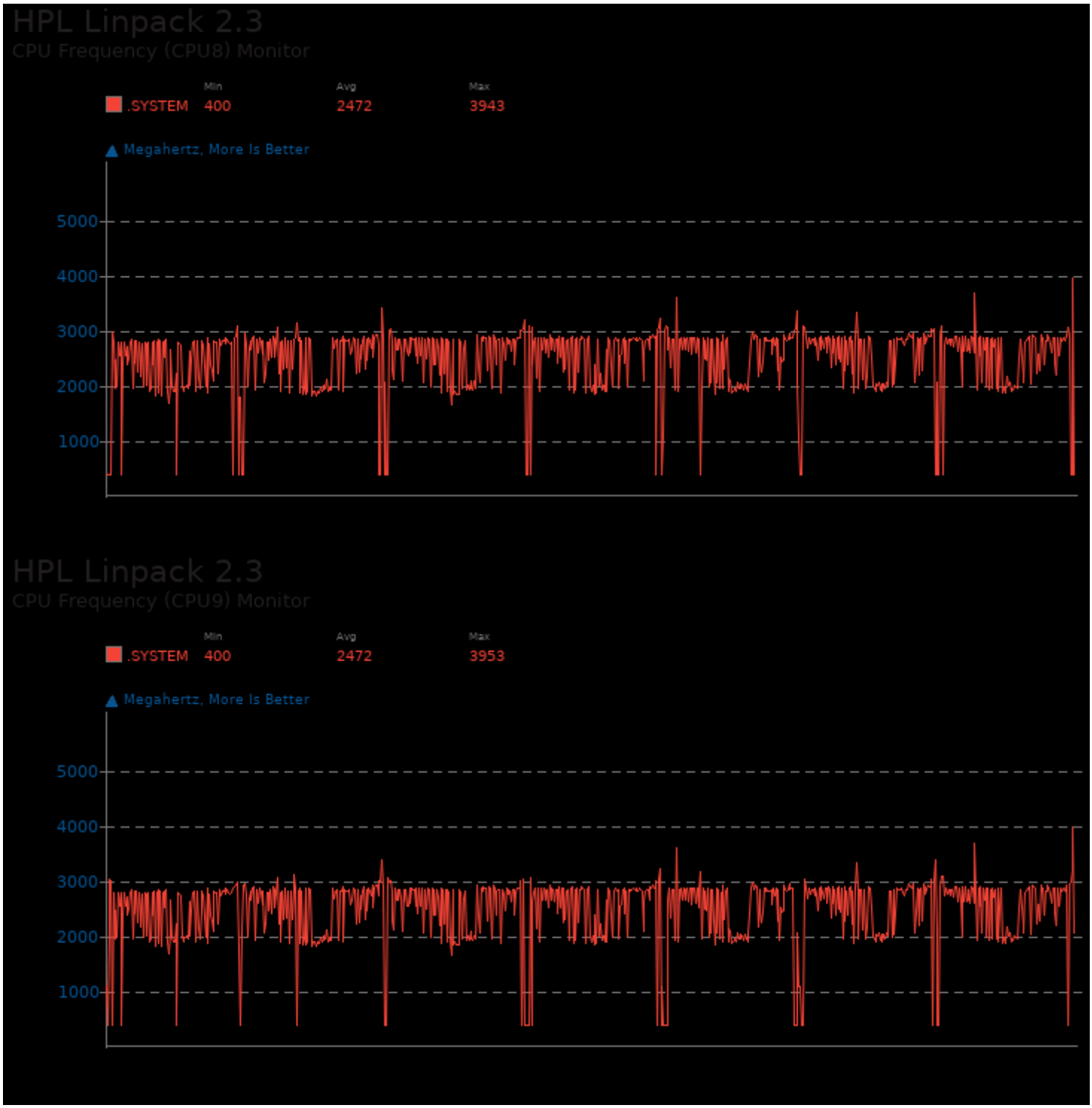
	.SYSTEM
HPL Linpack (GFLOPS)	57.081
Standard Deviation	2.4%
PyHPC Benchmarks - CPU - Numpy - 1048576 - Equation of State	0.462
Standard Deviation	0.2%
PyHPC Benchmarks - CPU - Numpy - 1048576 - Isoneutral Mixing	0.873
Standard Deviation	0.2%

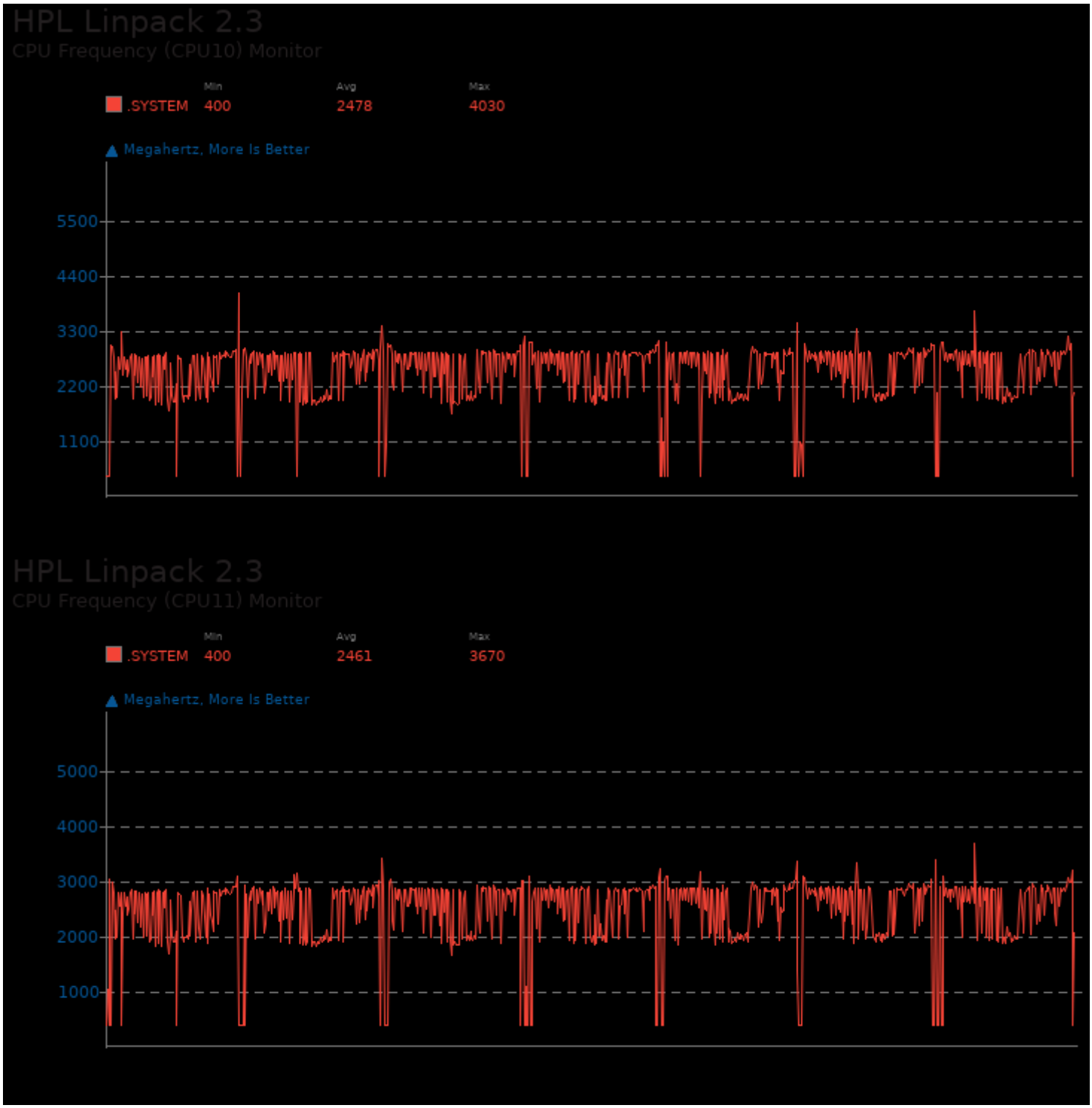

HPL Linpack 2.3
GFLOPS, More Is Better
.SYSTEM
SE +/- 0.51, N = 7
57.08
13
26
39
52
65
1. (CC) gcc options: -O2 -lopenblas -lm -lmpi
HPL Linpack 2.3
CPU Frequency (CPU0) Monitor
Min
Avg
Max
.SYSTEM
400
2473
4041
Megahertz, More Is Better
5500
4400
3300
2200
1100
HPL Linpack 2.3
CPU Frequency (CPU1) Monitor
Min
Avg
Max
.SYSTEM
400
2507
4042
Megahertz, More Is Better
5500
4400
3300
2200
1100

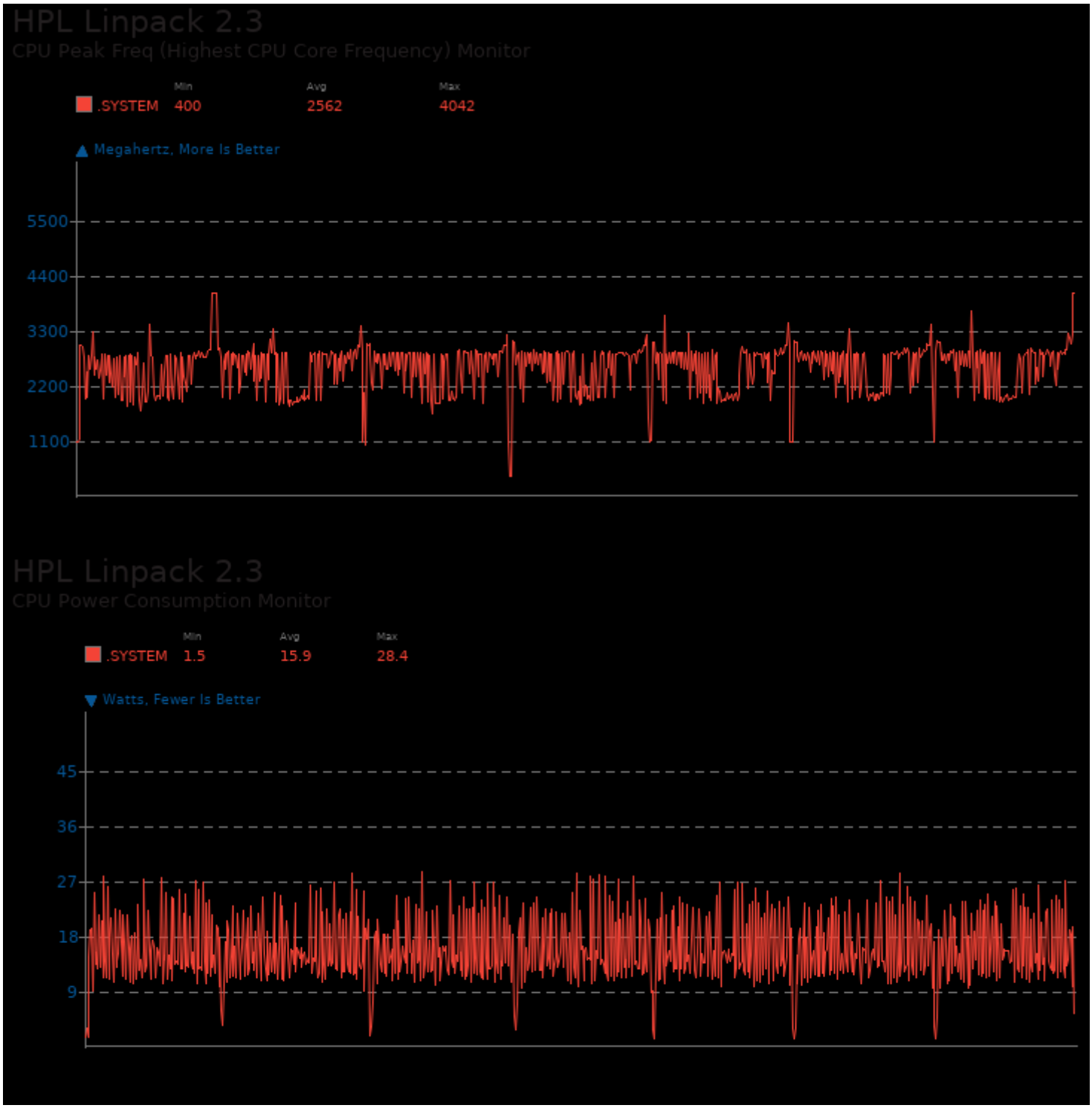

HPL Linpack 2.3
CPU Frequency (CPU2) Monitor
Min
Avg
Max
.SYSTEM 400 2468 4042
Megahertz, More Is Better
5500
4400
3300
2200
1100
HPL Linpack 2.3
CPU Frequency (CPU3) Monitor
Min
Avg
Max
.SYSTEM 400 2478 4041
Megahertz, More Is Better
5500
4400
3300
2200
1100

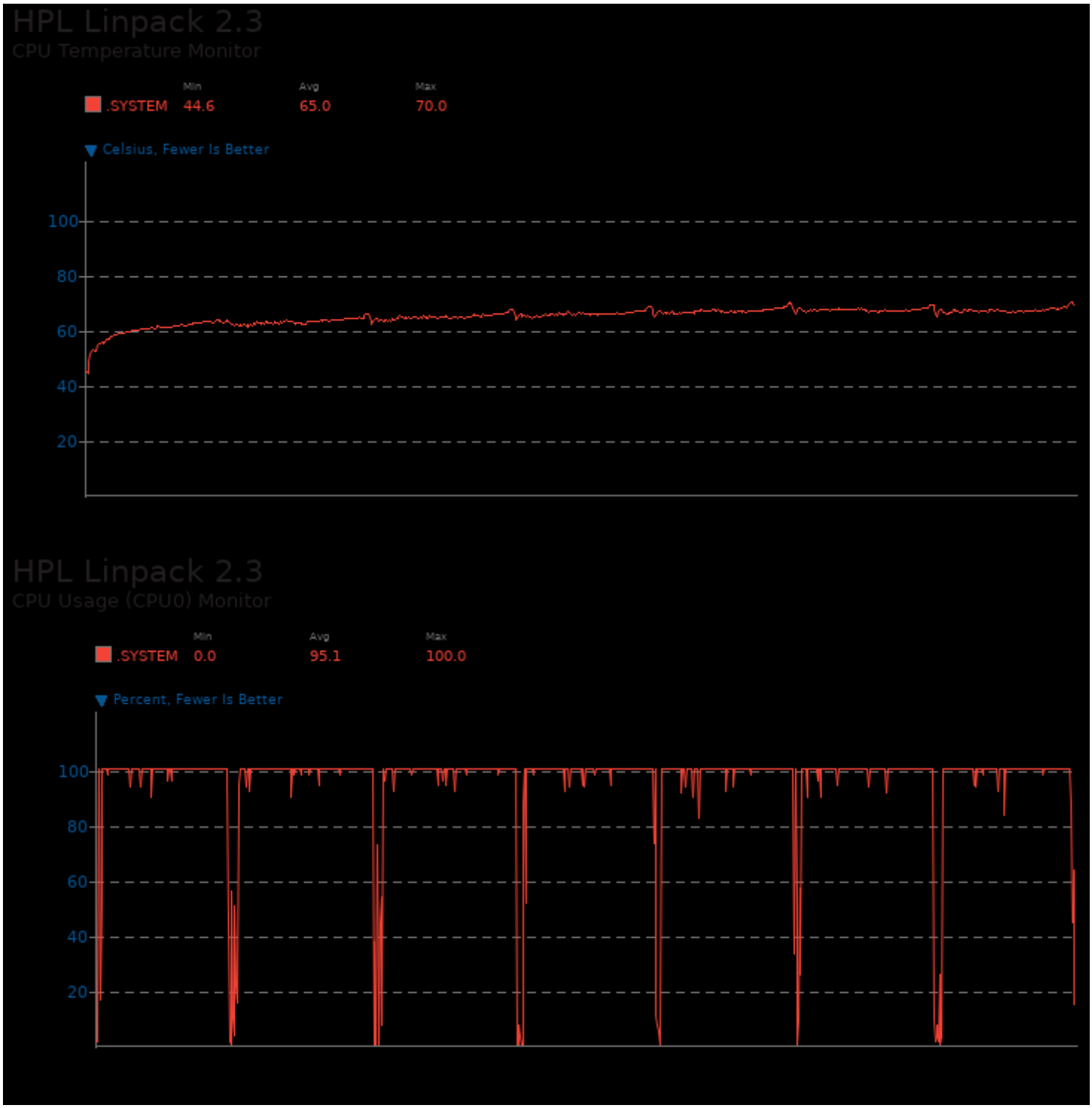

HPL Linpack 2.3
CPU Frequency (CPU4) Monitor
Min
Avg
Max
.SYSTEM 400 2457 3421
Megahertz, More Is Better
4000
3200
2400
1600
800
HPL Linpack 2.3
CPU Frequency (CPU5) Monitor
Min
Avg
Max
.SYSTEM 400 2473 4042
Megahertz, More Is Better
5500
4400
3300
2200
1100


HPL Linpack 2.3
CPU Frequency (CPU6) Monitor
Min
Avg
Max
.SYSTEM 400 2491 4035
Megahertz, More Is Better
5500
4400
3300
2200
1100
HPL Linpack 2.3
CPU Frequency (CPU7) Monitor
Min
Avg
Max
.SYSTEM 400 2470 4038
Megahertz, More Is Better
5500
4400
3300
2200
1100


HPL Linpack 2.3
CPU Frequency (CPU8) Monitor
Min
Avg
Max
.SYSTEM 400 2472 3943
Megahertz, More Is Better
5000
4000
3000
2000
1000
HPL Linpack 2.3
CPU Frequency (CPU9) Monitor
Min
Avg
Max
.SYSTEM 400 2472 3953
Megahertz, More Is Better
5000
4000
3000
2000
1000


HPL Linpack 2.3
CPU Frequency (CPU10) Monitor
Min
Avg
Max
.SYSTEM 400 2478 4030
Megahertz, More Is Better
5500
4400
3300
2200
1100
HPL Linpack 2.3
CPU Frequency (CPU11) Monitor
Min
Avg
Max
.SYSTEM 400 2461 3670
Megahertz, More Is Better
5000
4000
3000
2000
1000

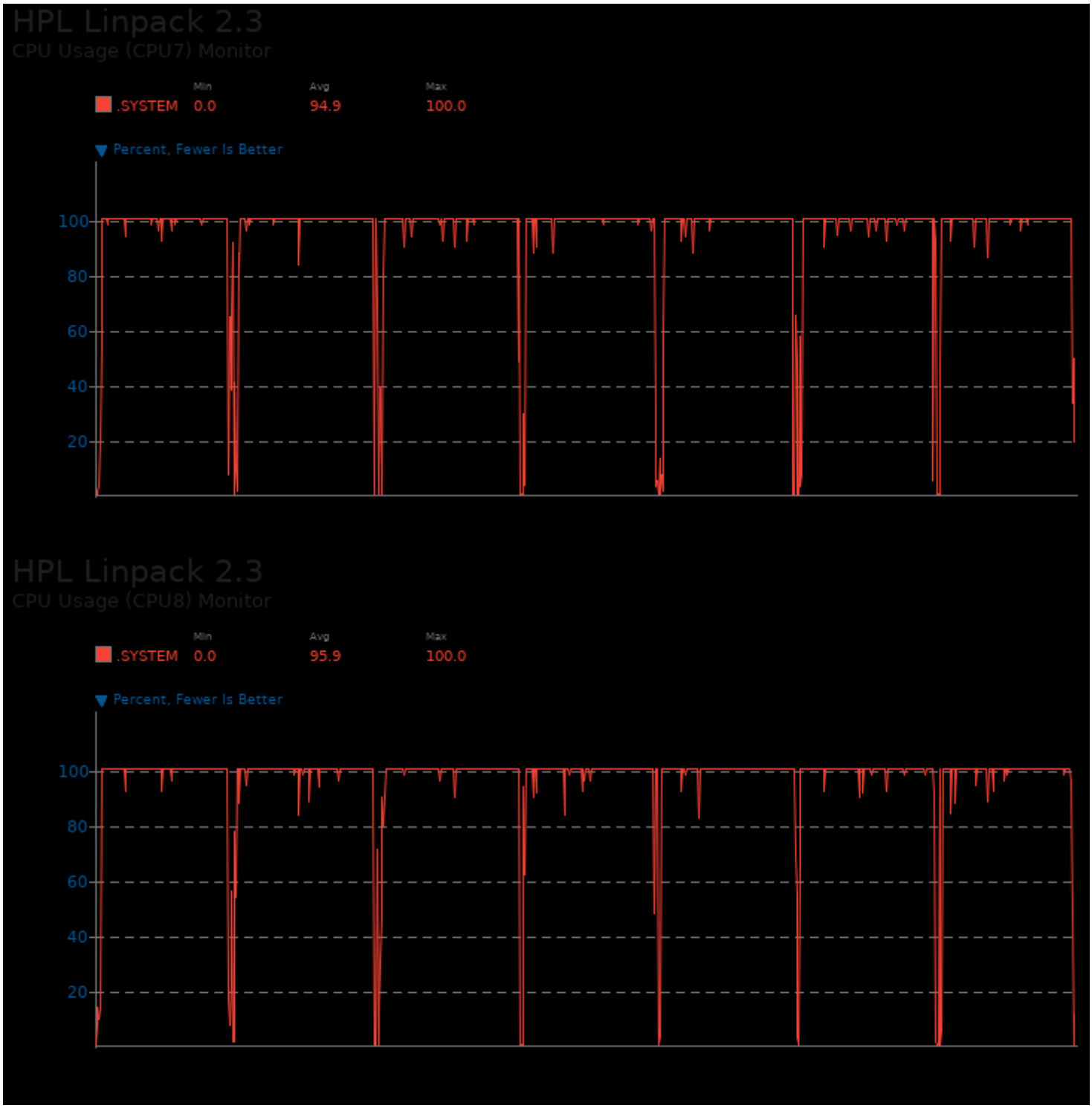

HPL Linpack 2.3
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
.SYSTEM 400 2562 4042
Megahertz, More Is Better
5500
4400
3300
2200
1100
HPL Linpack 2.3
CPU Power Consumption Monitor
Min
Avg
Max
.SYSTEM 1.5 15.9 28.4
Watts, Fewer Is Better
45
36
27
18
9

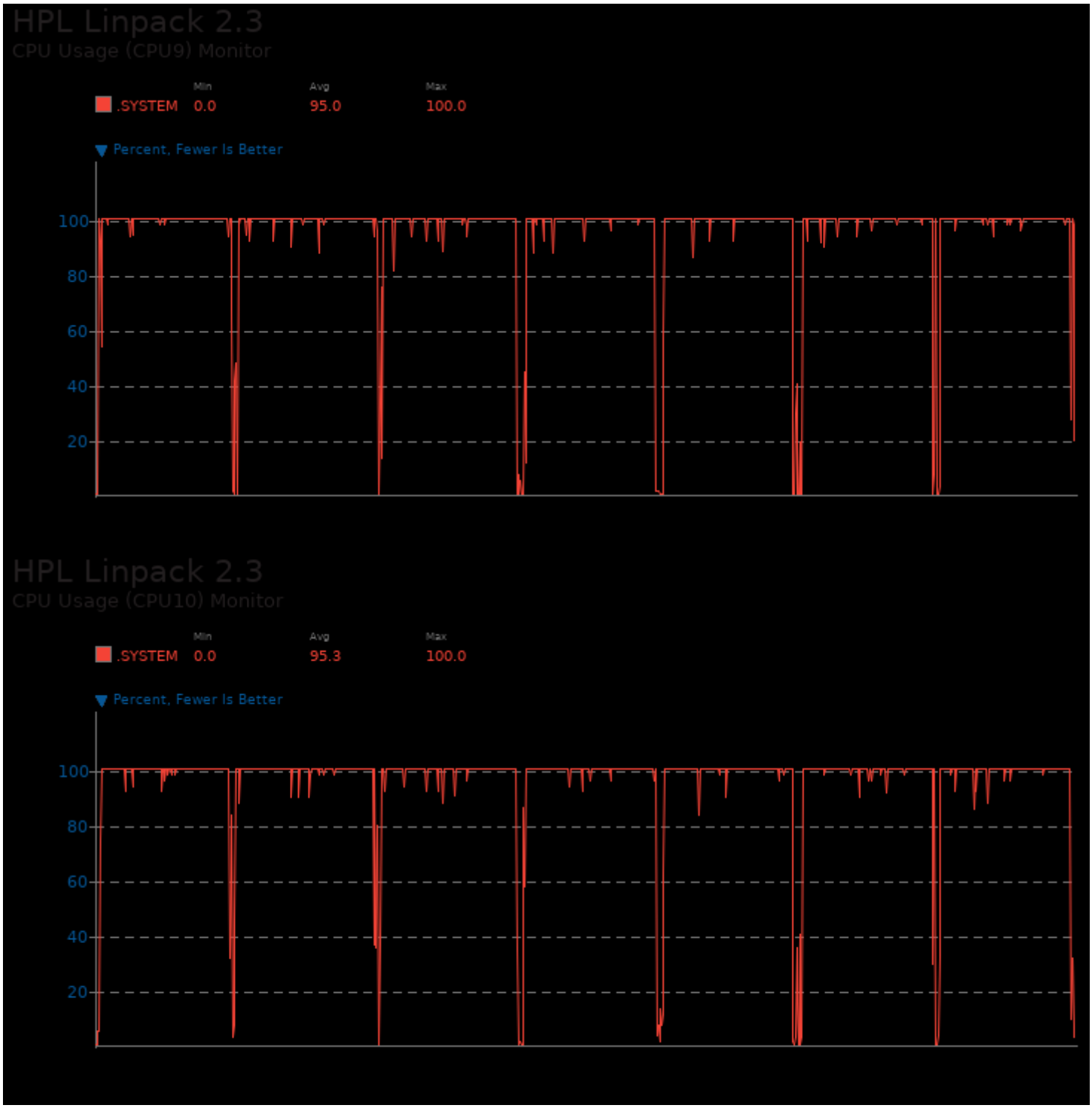

HPL Linpack 2.3
CPU Temperature Monitor
Min
Avg
Max
.SYSTEM 44.6 65.0 70.0
Celsius, Fewer Is Better
100
80
60
40
20
HPL Linpack 2.3
CPU Usage (CPU0) Monitor
Min
Avg
Max
.SYSTEM 0.0 95.1 100.0
Percent, Fewer Is Better
100
80
60
40
20

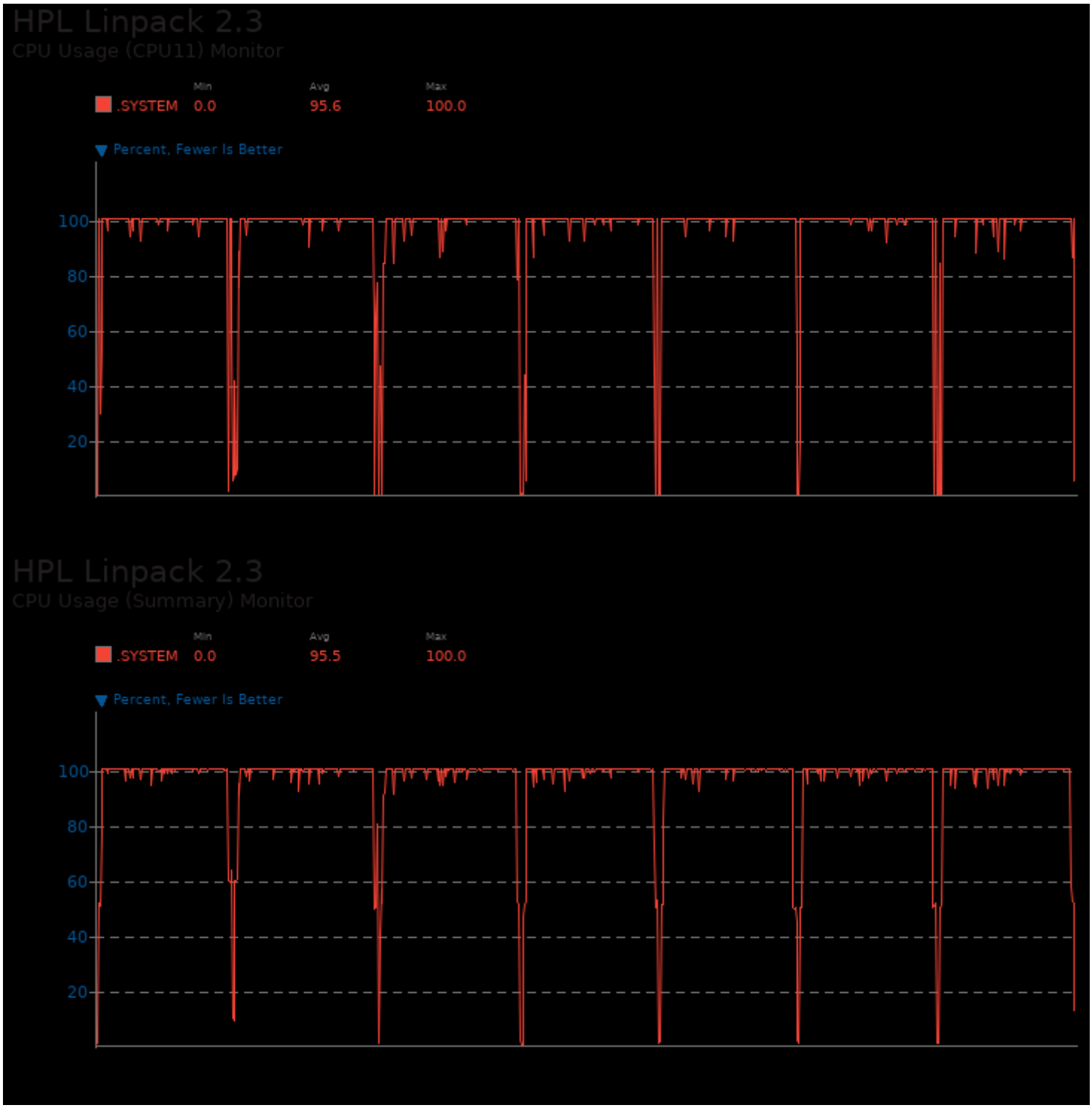

HPL Linpack 2.3
CPU Usage (CPU1) Monitor
Min
Avg
Max
.SYSTEM 0.0 95.7 100.0
Percent, Fewer Is Better
100
80
60
40
20
HPL Linpack 2.3
CPU Usage (CPU2) Monitor
Min
Avg
Max
.SYSTEM 0.0 95.2 100.0
Percent, Fewer Is Better
100
80
60
40
20

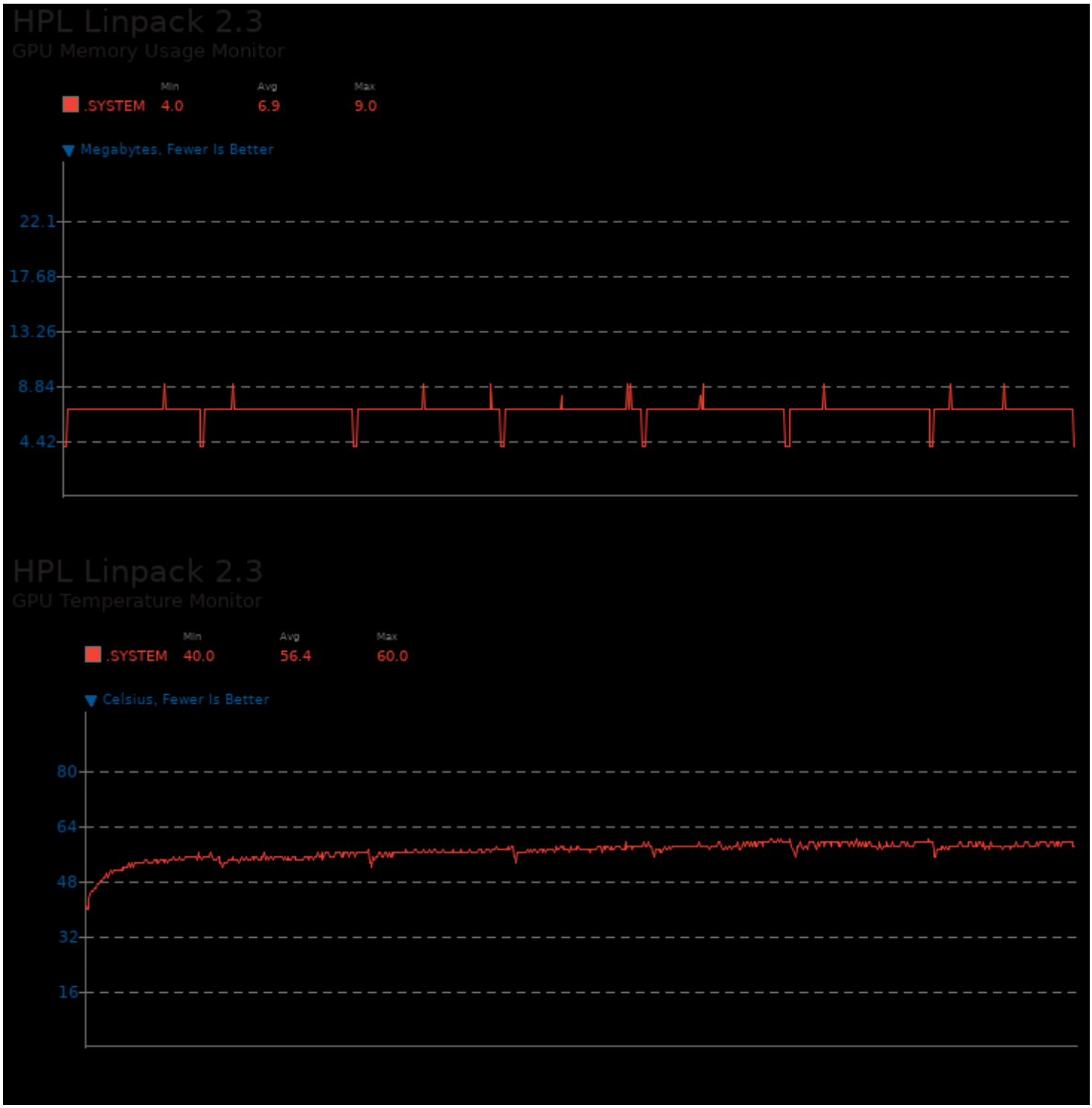

HPL Linpack 2.3
CPU Usage (CPU3) Monitor
Min
Avg
Max
.SYSTEM 0.0 95.6 100.0
Percent, Fewer Is Better
100
80
60
40
20
HPL Linpack 2.3
CPU Usage (CPU4) Monitor
Min
Avg
Max
.SYSTEM 0.0 95.4 100.0
Percent, Fewer Is Better
100
80
60
40
20

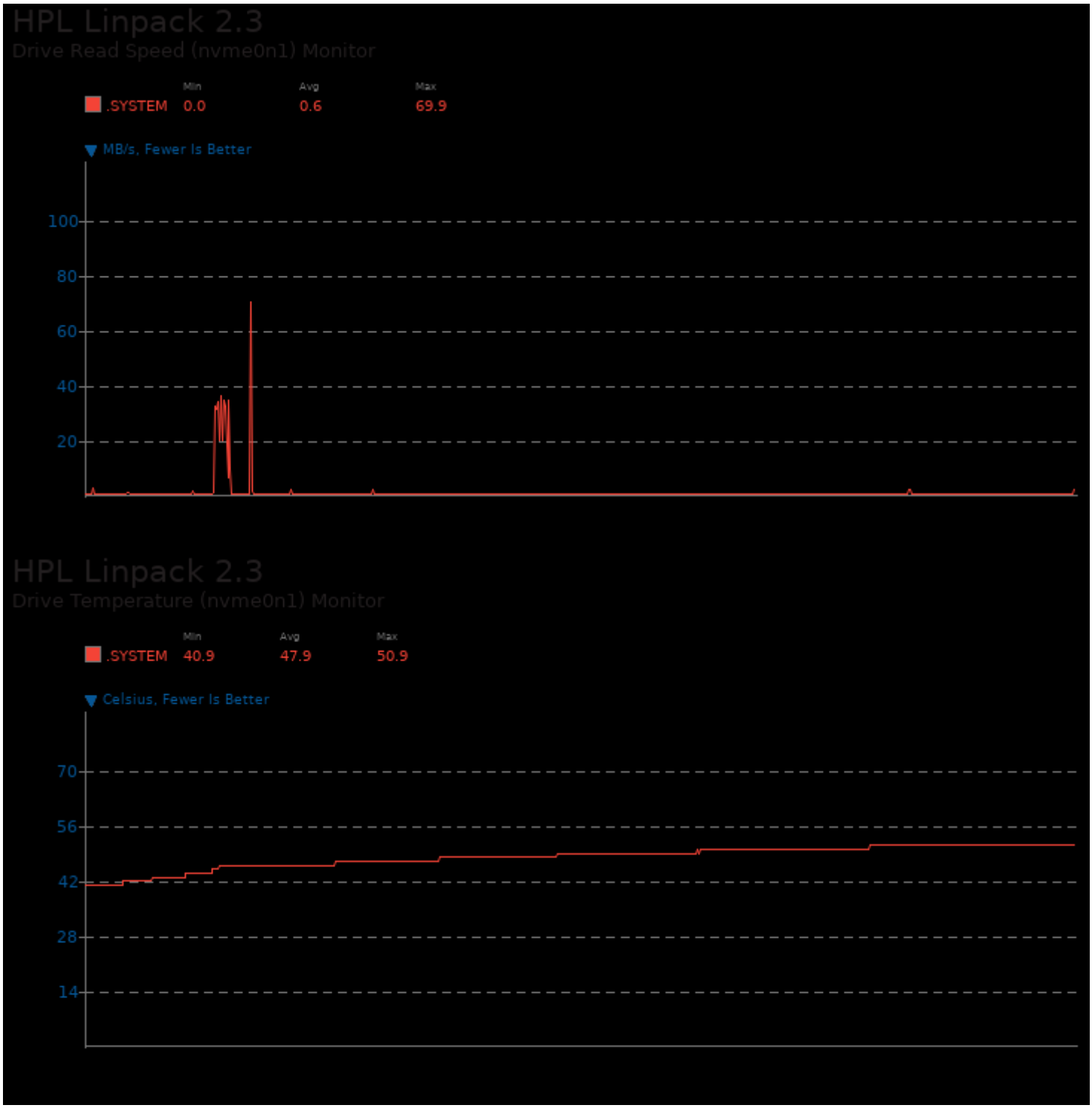

HPL Linpack 2.3
CPU Usage (CPU5) Monitor
Min
Avg
Max
.SYSTEM 0.0 95.6 100.0
Percent, Fewer Is Better
100
80
60
40
20
HPL Linpack 2.3
CPU Usage (CPU6) Monitor
Min
Avg
Max
.SYSTEM 0.0 96.2 100.0
Percent, Fewer Is Better
100
80
60
40
20

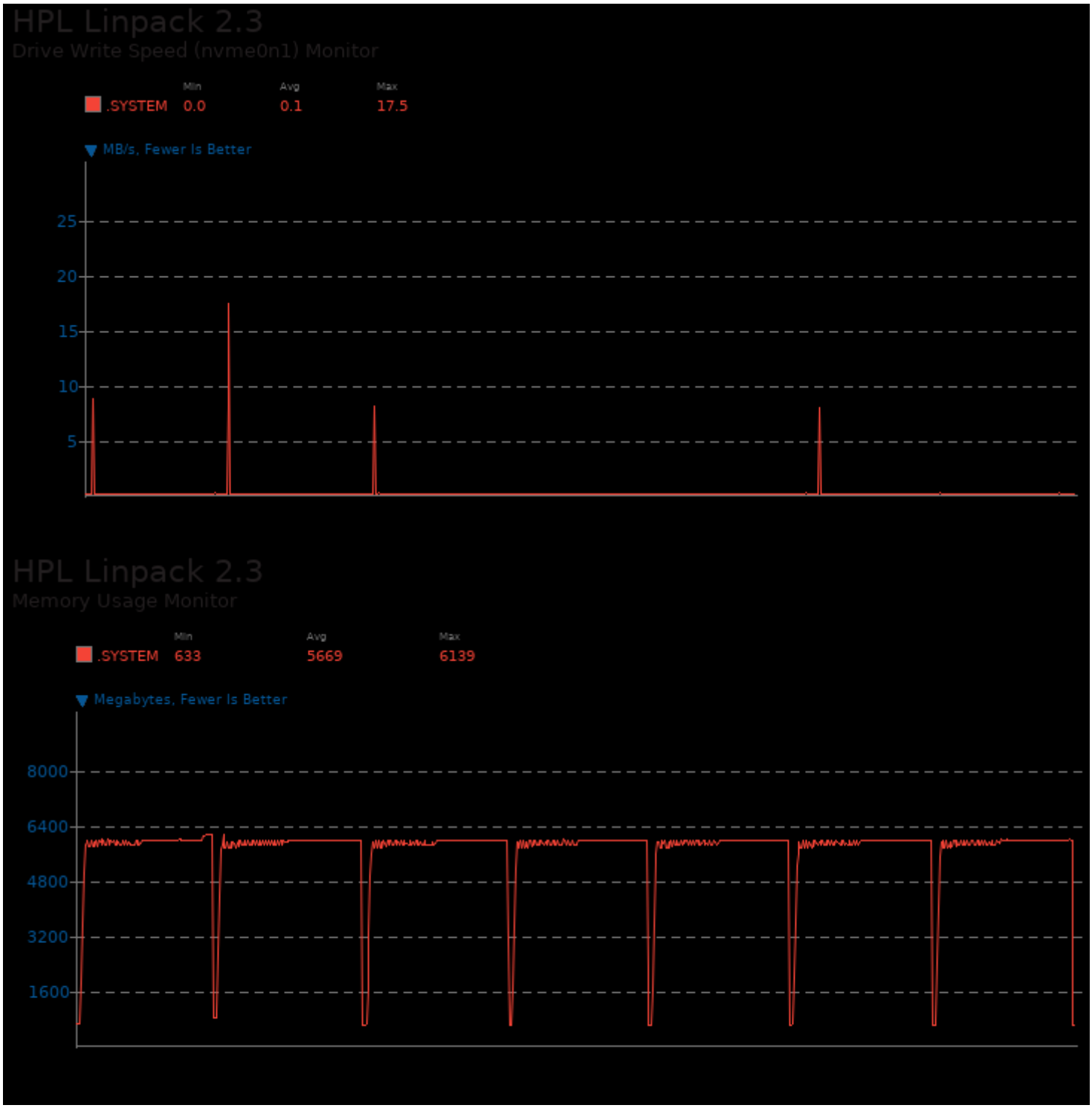

HPL Linpack 2.3
CPU Usage (CPU7) Monitor
Min
Avg
Max
.SYSTEM 0.0 94.9 100.0
Percent, Fewer Is Better
100
80
60
40
20
HPL Linpack 2.3
CPU Usage (CPU8) Monitor
Min
Avg
Max
.SYSTEM 0.0 95.9 100.0
Percent, Fewer Is Better
100
80
60
40
20

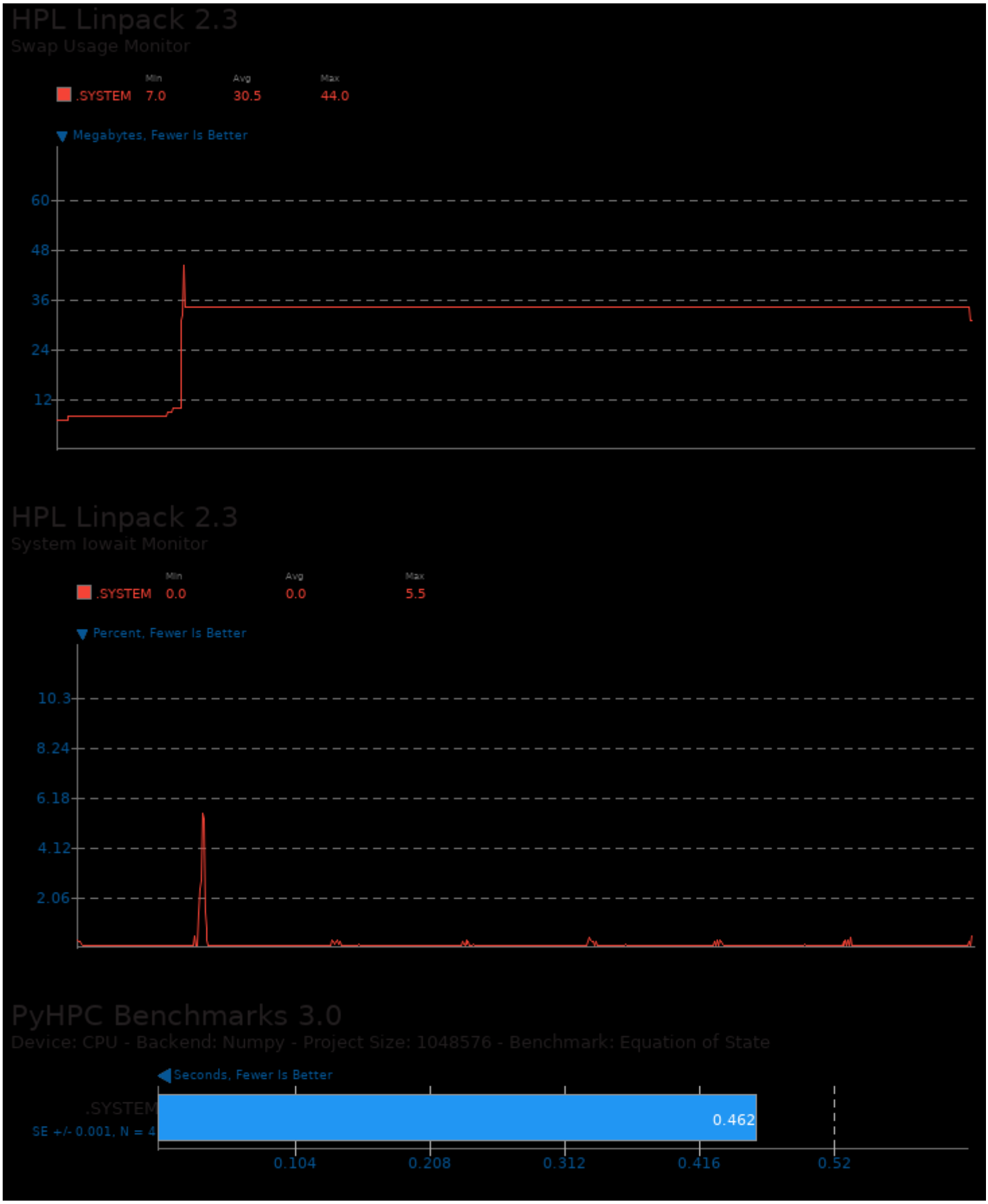

HPL Linpack 2.3
CPU Usage (CPU9) Monitor
Min
Avg
Max
.SYSTEM 0.0 95.0 100.0
Percent, Fewer Is Better
100
80
60
40
20
HPL Linpack 2.3
CPU Usage (CPU10) Monitor
Min
Avg
Max
.SYSTEM 0.0 95.3 100.0
Percent, Fewer Is Better
100
80
60
40
20

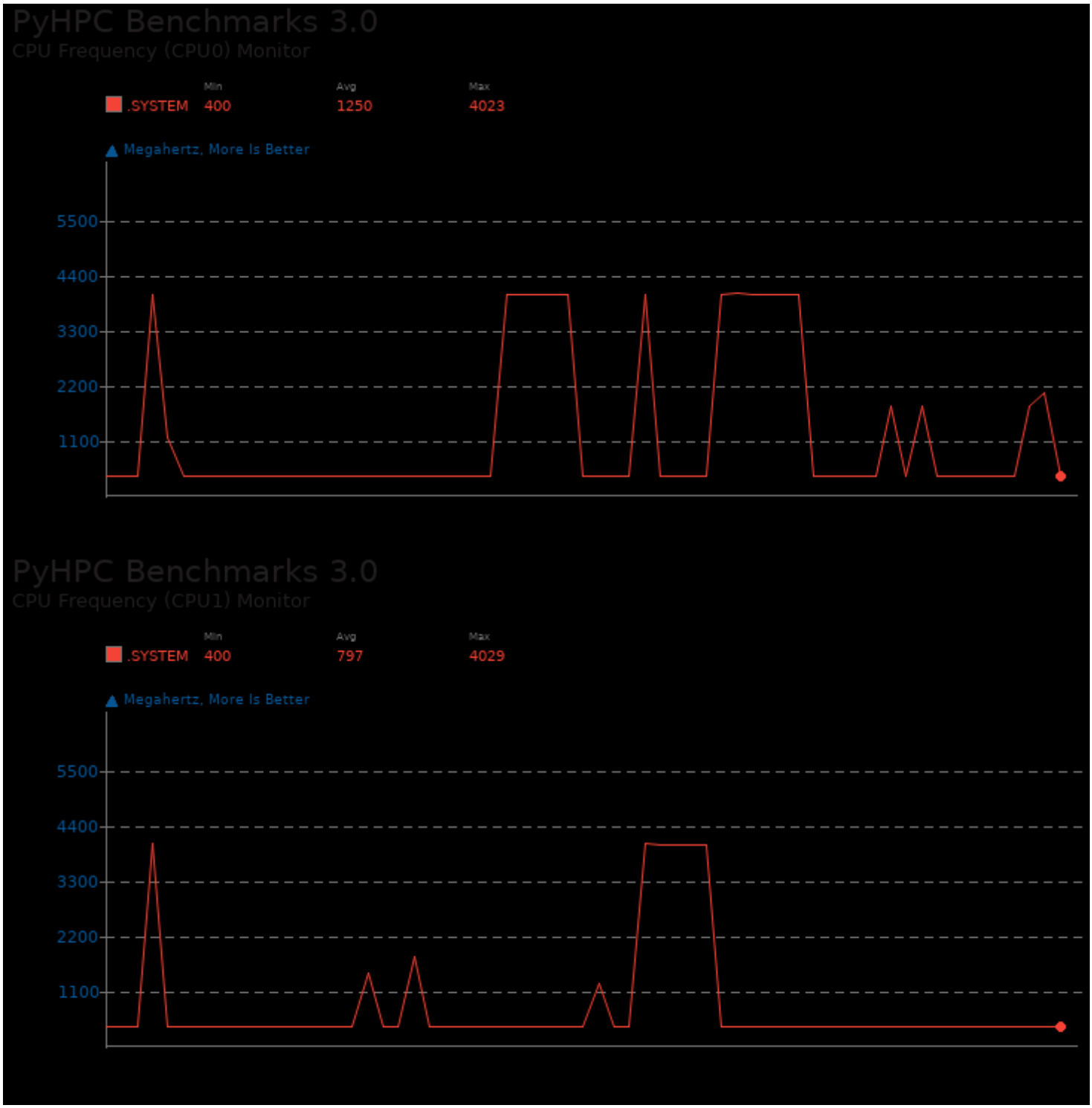

HPL Linpack 2.3
CPU Usage (CPU11) Monitor
Min
Avg
Max
.SYSTEM 0.0 95.6 100.0
Percent, Fewer Is Better
100
80
60
40
20
HPL Linpack 2.3
CPU Usage (Summary) Monitor
Min
Avg
Max
.SYSTEM 0.0 95.5 100.0
Percent, Fewer Is Better
100
80
60
40
20

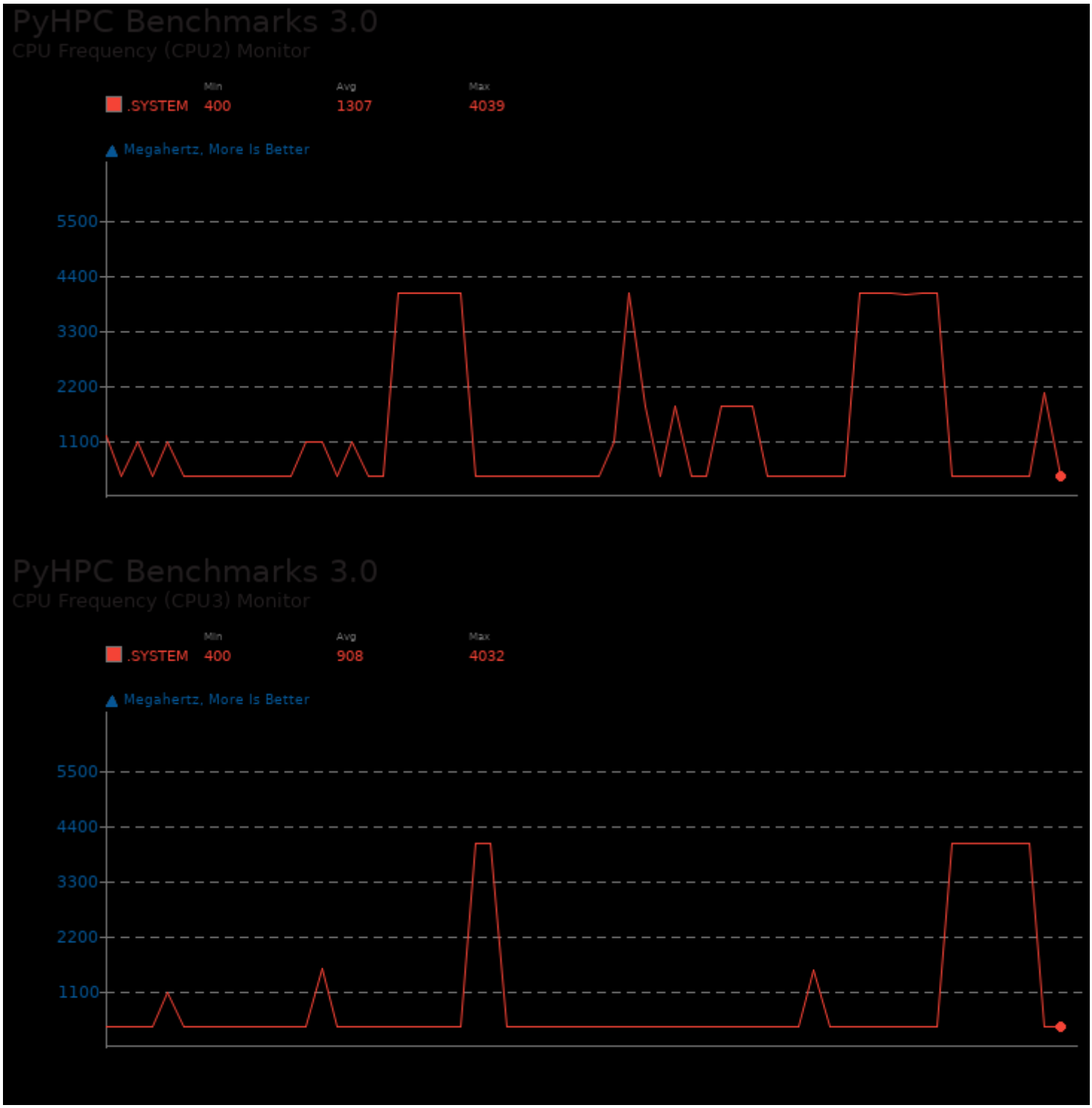

HPL Linpack 2.3
GPU Memory Usage Monitor
Min
Avg
Max
.SYSTEM 4.0 6.9 9.0
Megabytes, Fewer Is Better
22.1
17.68
13.26
8.84
4.42
HPL Linpack 2.3
GPU Temperature Monitor
Min
Avg
Max
.SYSTEM 40.0 56.4 60.0
Celsius, Fewer Is Better
80
64
48
32
16

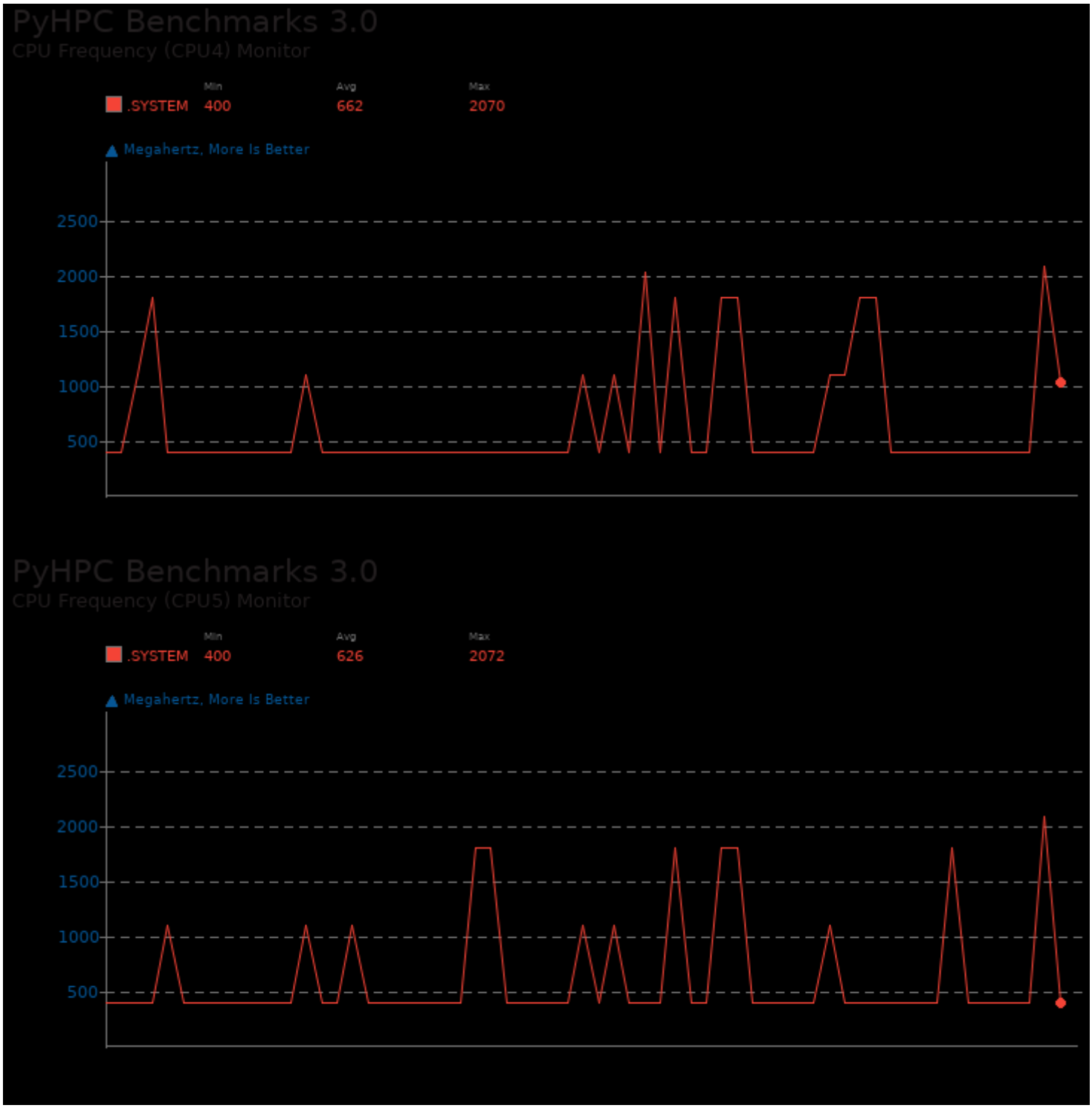

HPL Linpack 2.3
Drive Read Speed (nvme0n1) Monitor
Min
Avg
Max
.SYSTEM
0.0
0.6
69.9
MB/s, Fewer Is Better
100
80
60
40
20
HPL Linpack 2.3
Drive Temperature (nvme0n1) Monitor
Min
Avg
Max
.SYSTEM
40.9
47.9
50.9
Celsius, Fewer Is Better
70
56
42
28
14

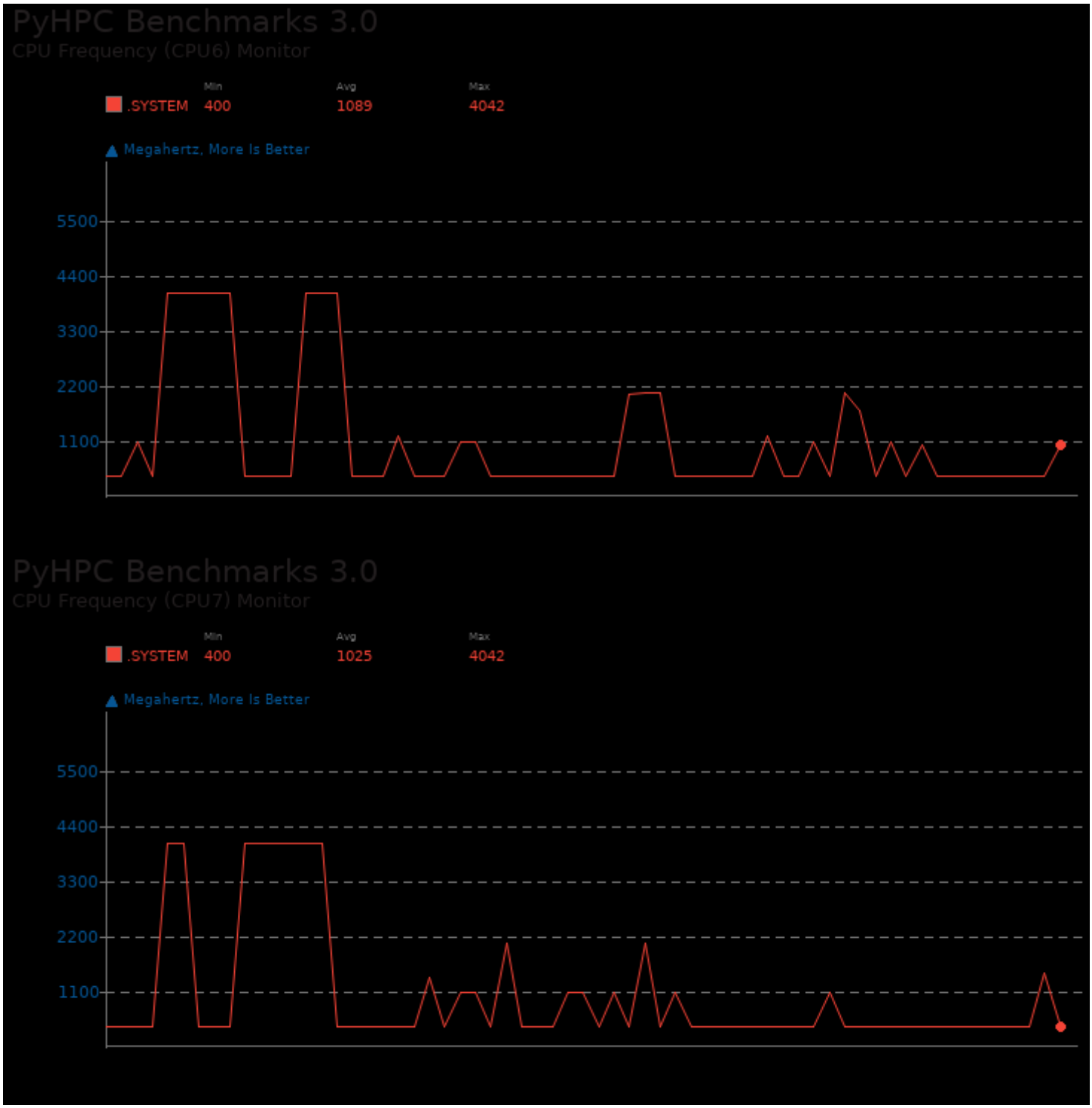

HPL Linpack 2.3
Drive Write Speed (nvme0n1) Monitor
Min
Avg
Max
.SYSTEM 0.0 0.1 17.5
MB/s, Fewer Is Better
25
20
15
10
5
HPL Linpack 2.3
Memory Usage Monitor
Min
Avg
Max
.SYSTEM 633 5669 6139
Megabytes, Fewer Is Better
8000
6400
4800
3200
1600

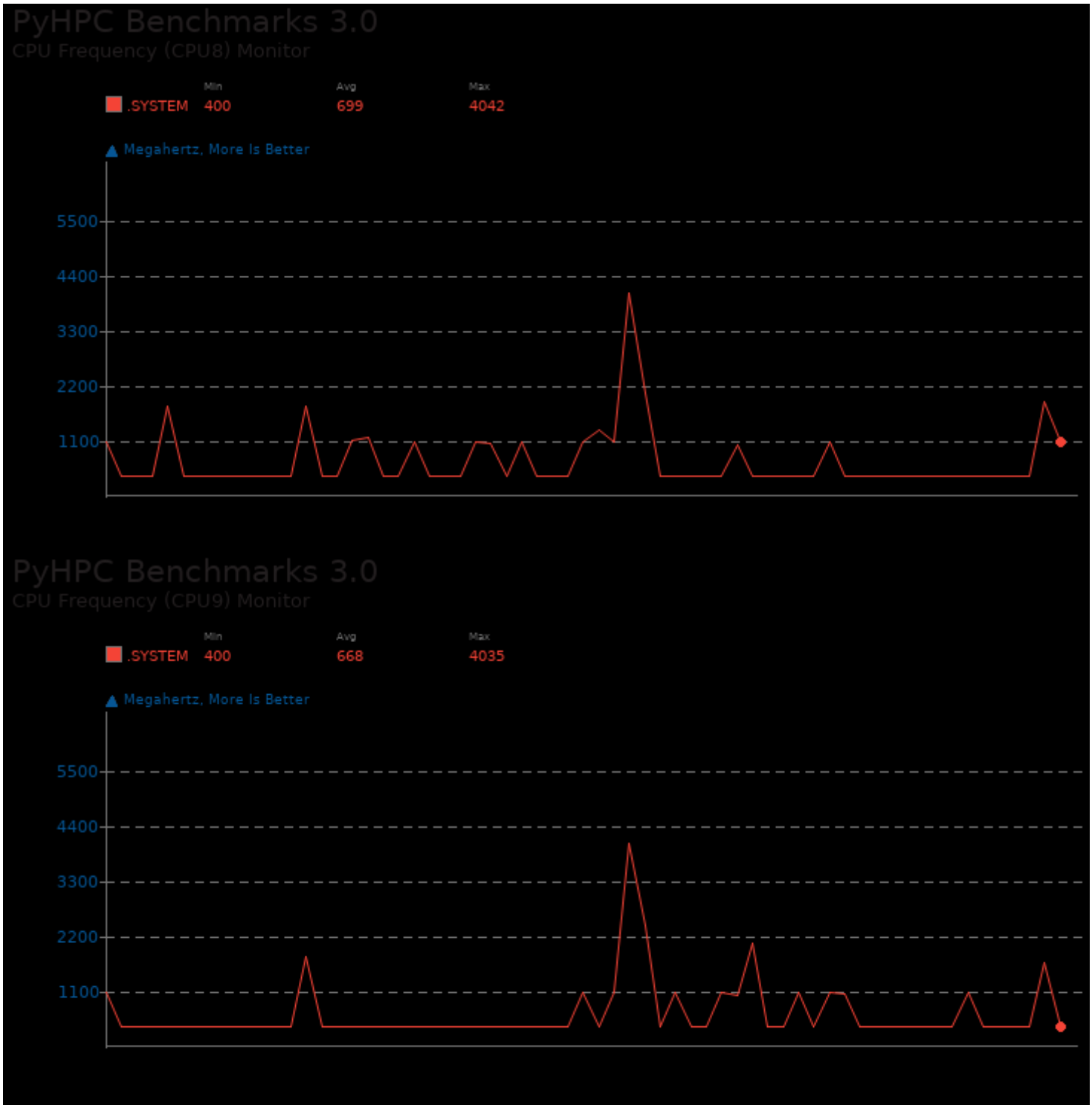

HPL Linpack 2.3
Swap Usage Monitor
Min
Avg
Max
.SYSTEM 7.0 30.5 44.0
Megabytes, Fewer Is Better
60
48
36
24
12
HPL Linpack 2.3
System Iowait Monitor
Min
Avg
Max
.SYSTEM 0.0 0.0 5.5
Percent, Fewer Is Better
10.3
8.24
6.18
4.12
2.06
PyHPC Benchmarks 3.0
Device: CPU - Backend: Numpy - Project Size: 1048576 - Benchmark: Equation of State
Seconds, Fewer Is Better
.SYSTEM
SE +/- 0.001, N = 4
0.462
0.104
0.208
0.312
0.416
0.52

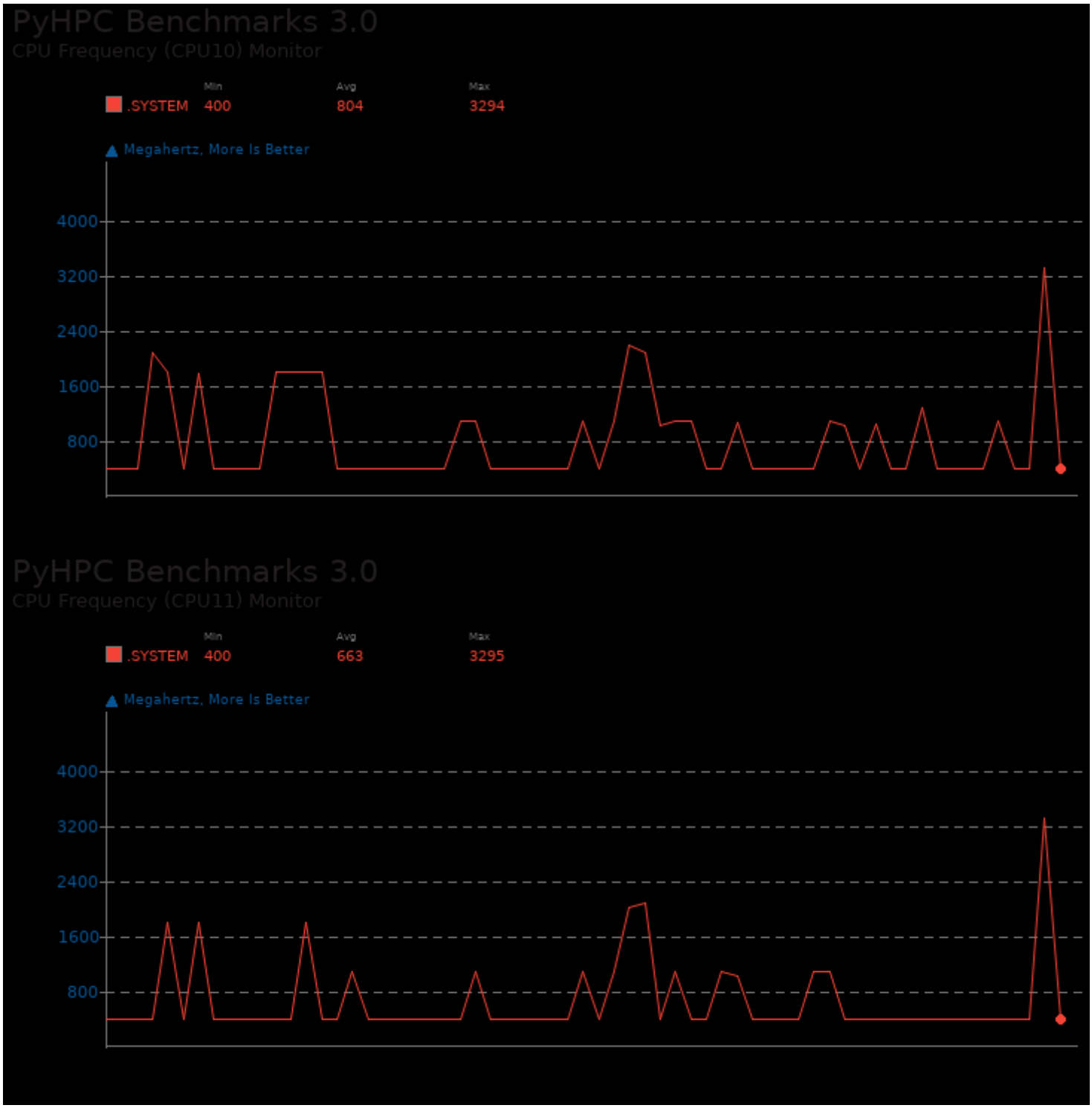

PyHPC Benchmarks 3.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
.SYSTEM 400 1250 4023
Megahertz, More Is Better
5500
4400
3300
2200
1100
PyHPC Benchmarks 3.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
.SYSTEM 400 797 4029
Megahertz, More Is Better
5500
4400
3300
2200
1100

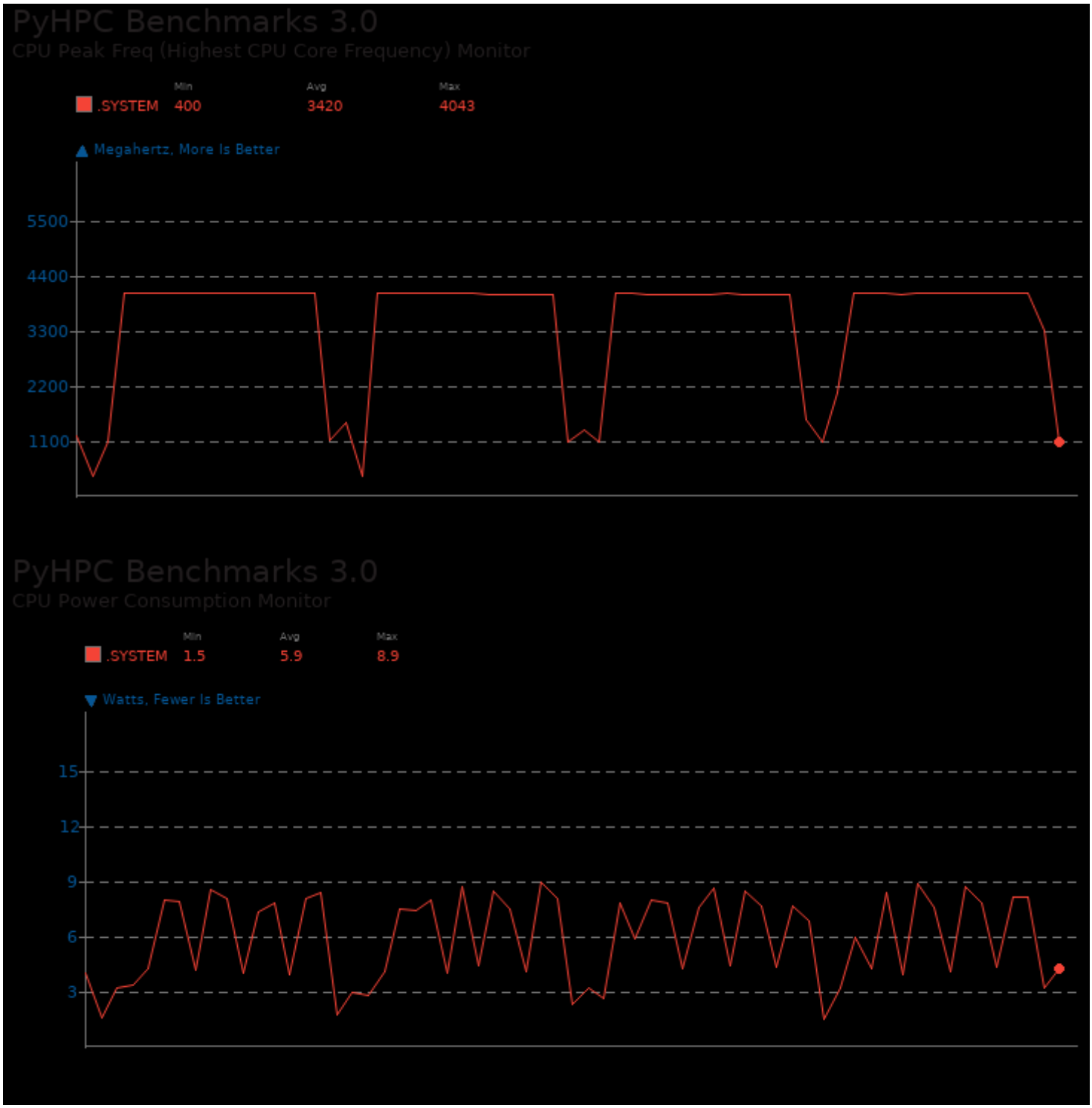

PyHPC Benchmarks 3.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
.SYSTEM 400 1307 4039
Megahertz, More Is Better
5500
4400
3300
2200
1100
PyHPC Benchmarks 3.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
.SYSTEM 400 908 4032
Megahertz, More Is Better
5500
4400
3300
2200
1100

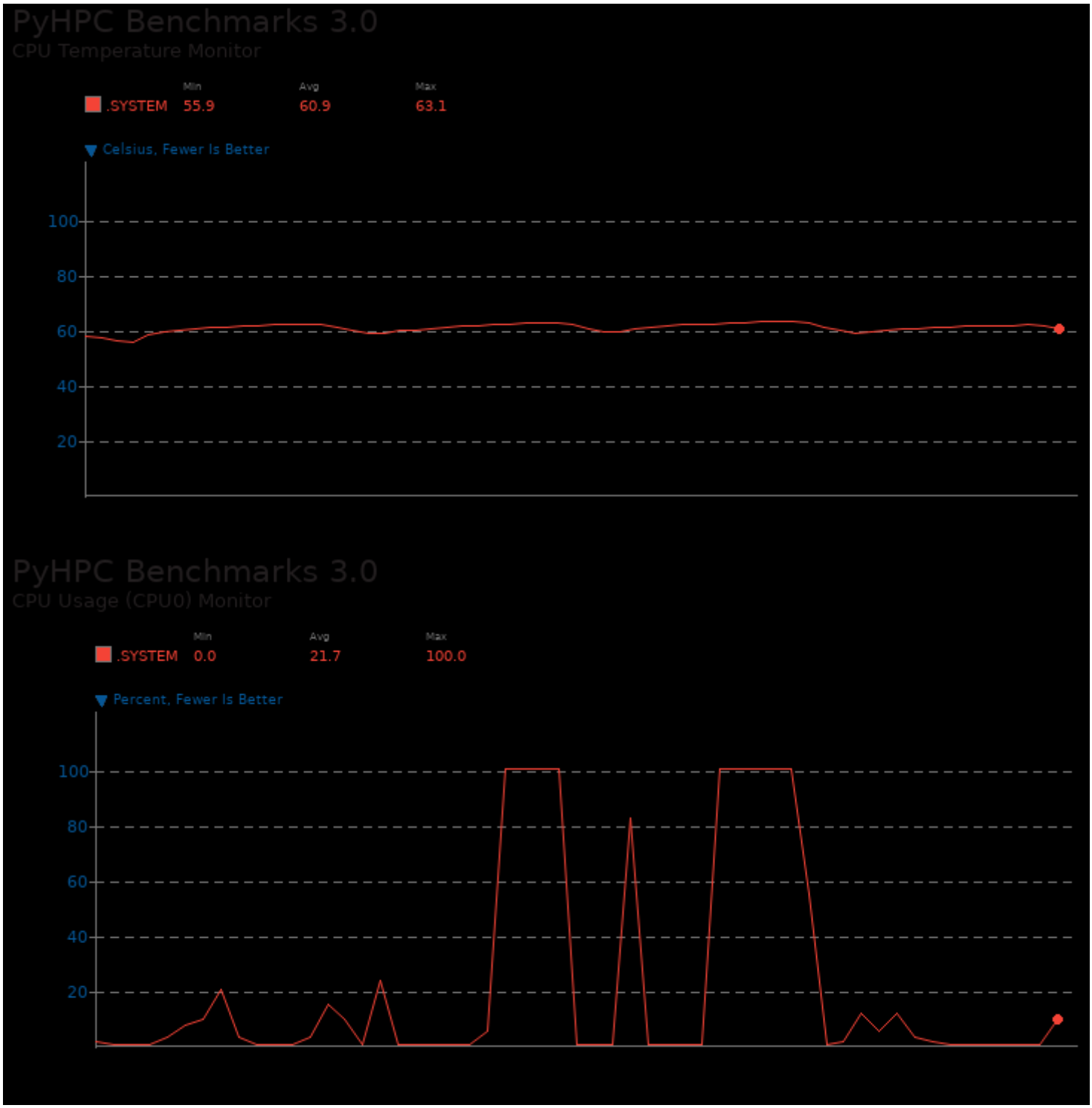

PyHPC Benchmarks 3.0
CPU Frequency (CPU4) Monitor
Min
Avg
Max
.SYSTEM 400 662 2070
Megahertz, More Is Better
2500
2000
1500
1000
500
PyHPC Benchmarks 3.0
CPU Frequency (CPU5) Monitor
Min
Avg
Max
.SYSTEM 400 626 2072
Megahertz, More Is Better
2500
2000
1500
1000
500

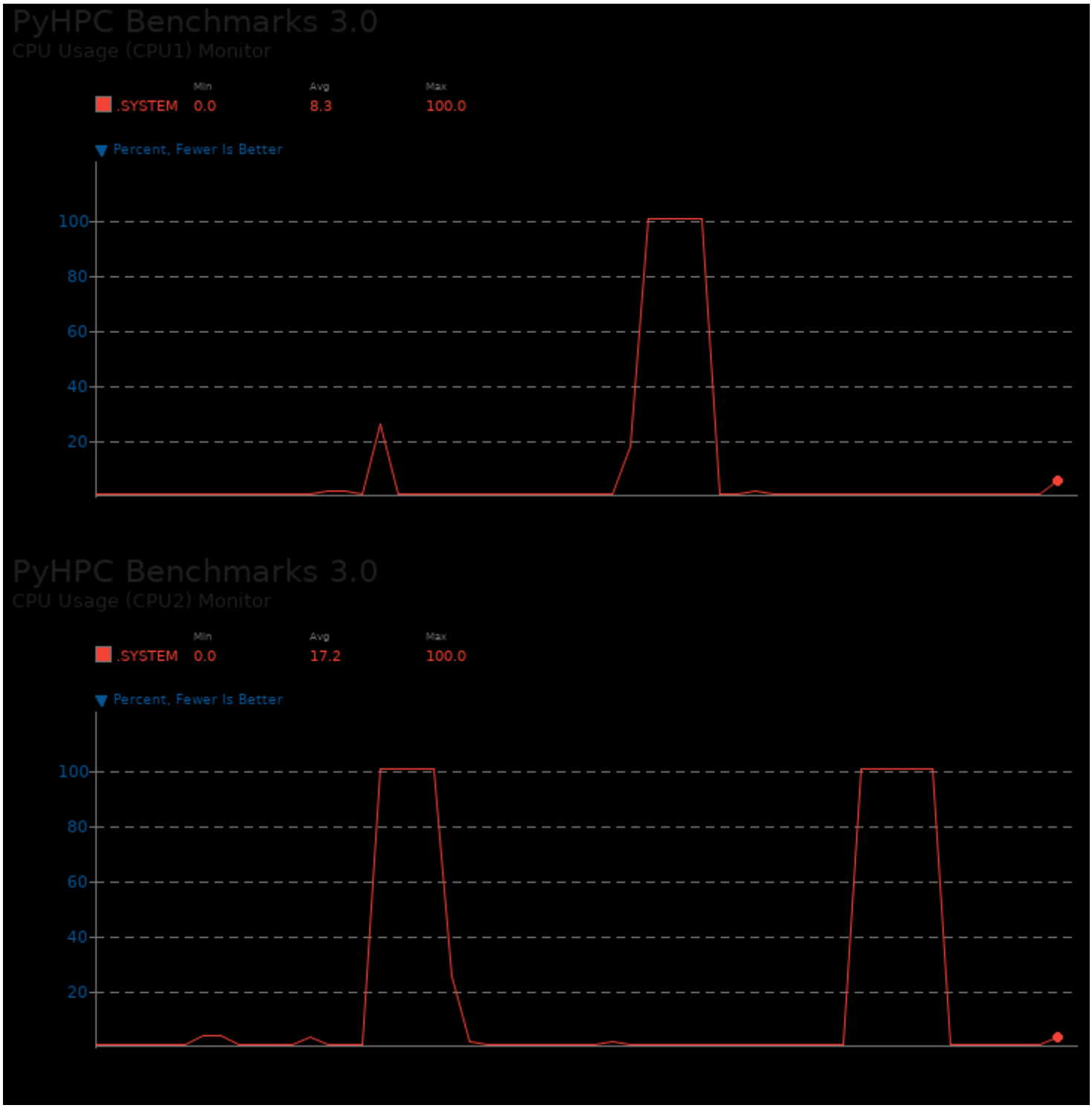

PyHPC Benchmarks 3.0
CPU Frequency (CPU6) Monitor
Min
Avg
Max
.SYSTEM 400 1089 4042
Megahertz, More Is Better
5500
4400
3300
2200
1100
PyHPC Benchmarks 3.0
CPU Frequency (CPU7) Monitor
Min
Avg
Max
.SYSTEM 400 1025 4042
Megahertz, More Is Better
5500
4400
3300
2200
1100

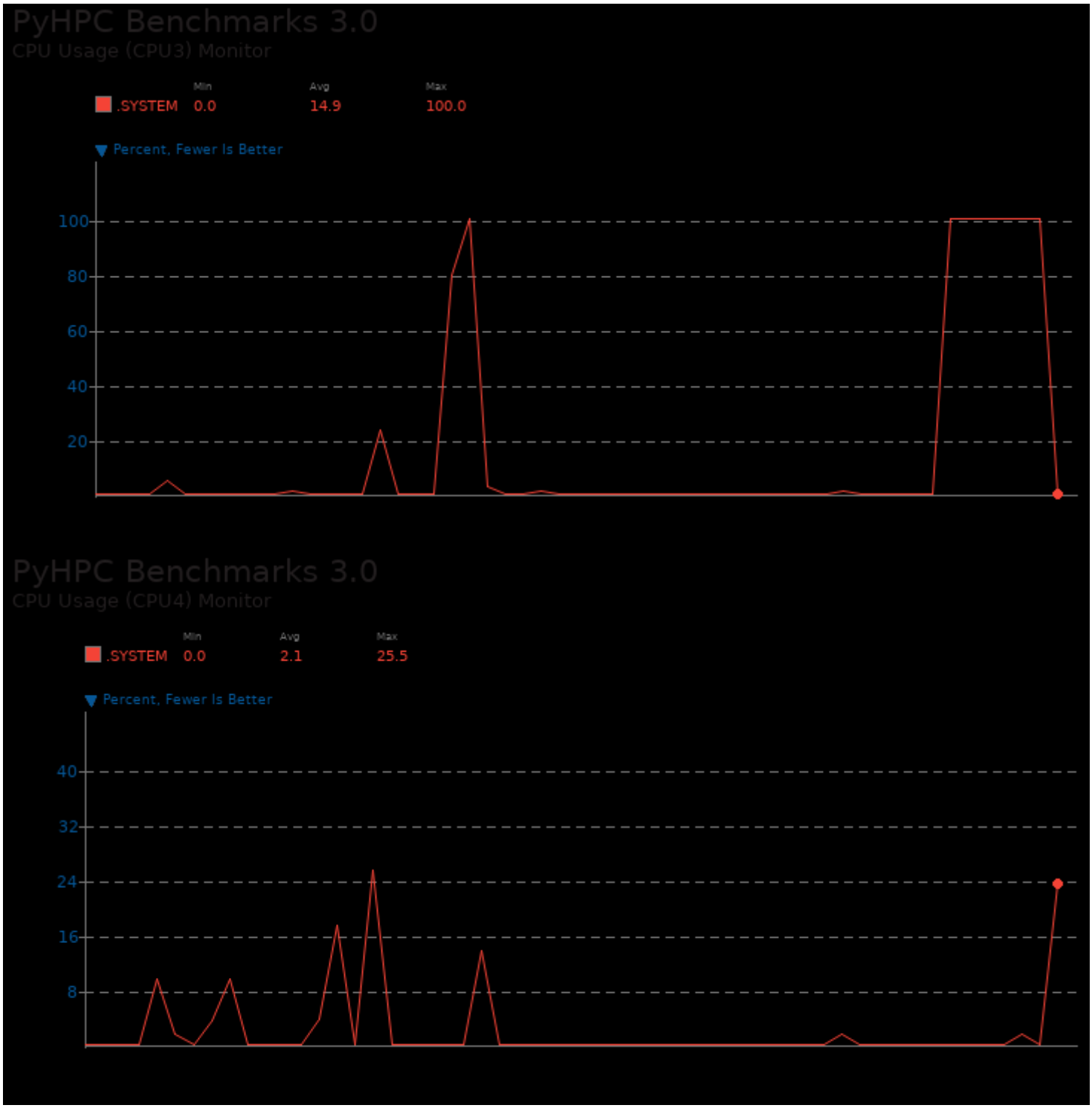

PyHPC Benchmarks 3.0
CPU Frequency (CPU8) Monitor
Min
Avg
Max
.SYSTEM 400 699 4042
Megahertz, More Is Better
5500
4400
3300
2200
1100
PyHPC Benchmarks 3.0
CPU Frequency (CPU9) Monitor
Min
Avg
Max
.SYSTEM 400 668 4035
Megahertz, More Is Better
5500
4400
3300
2200
1100

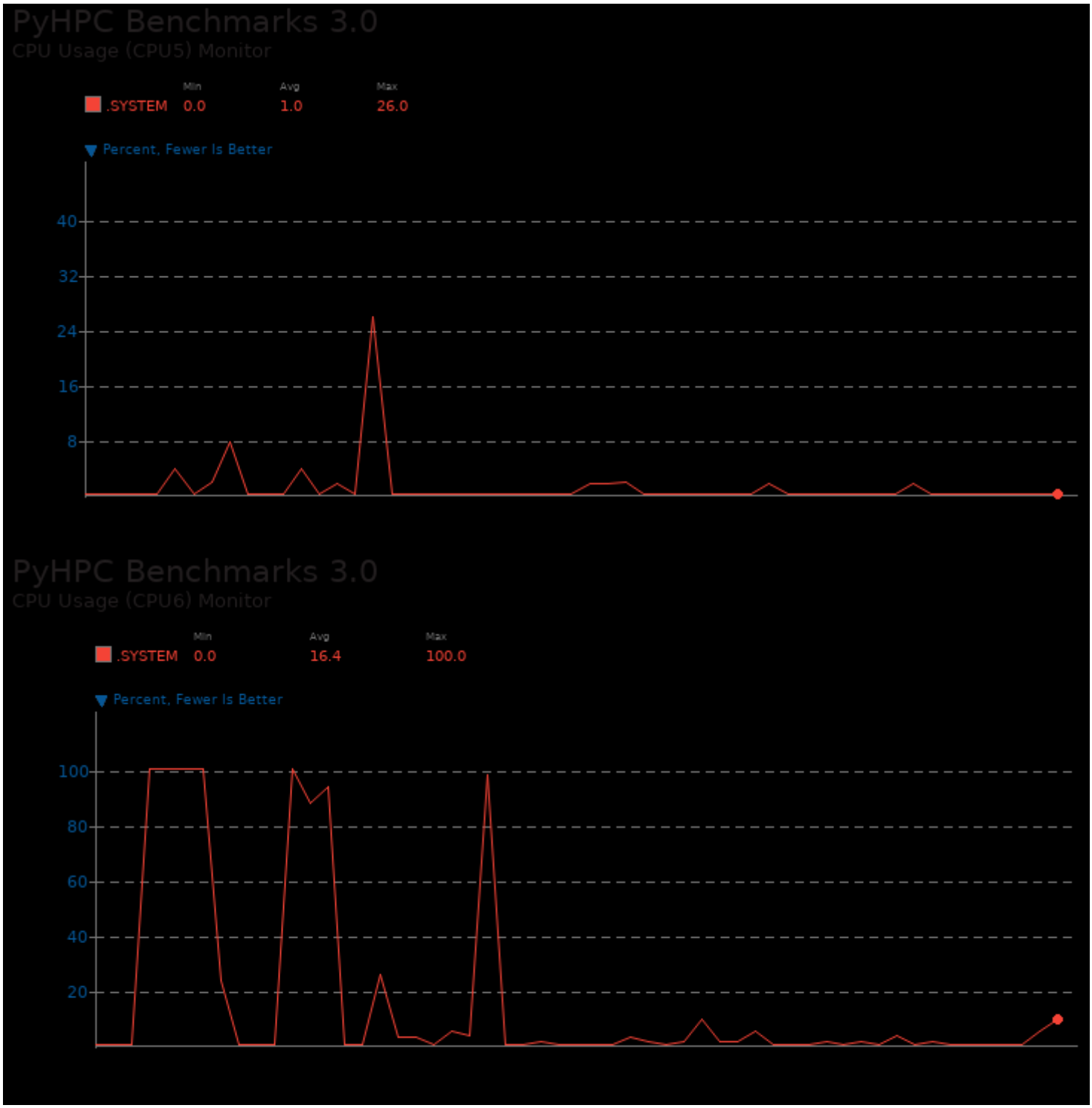

PyHPC Benchmarks 3.0
CPU Frequency (CPU10) Monitor
Min
Avg
Max
.SYSTEM 400 804 3294
Megahertz, More Is Better
4000
3200
2400
1600
800
PyHPC Benchmarks 3.0
CPU Frequency (CPU11) Monitor
Min
Avg
Max
.SYSTEM 400 663 3295
Megahertz, More Is Better
4000
3200
2400
1600
800

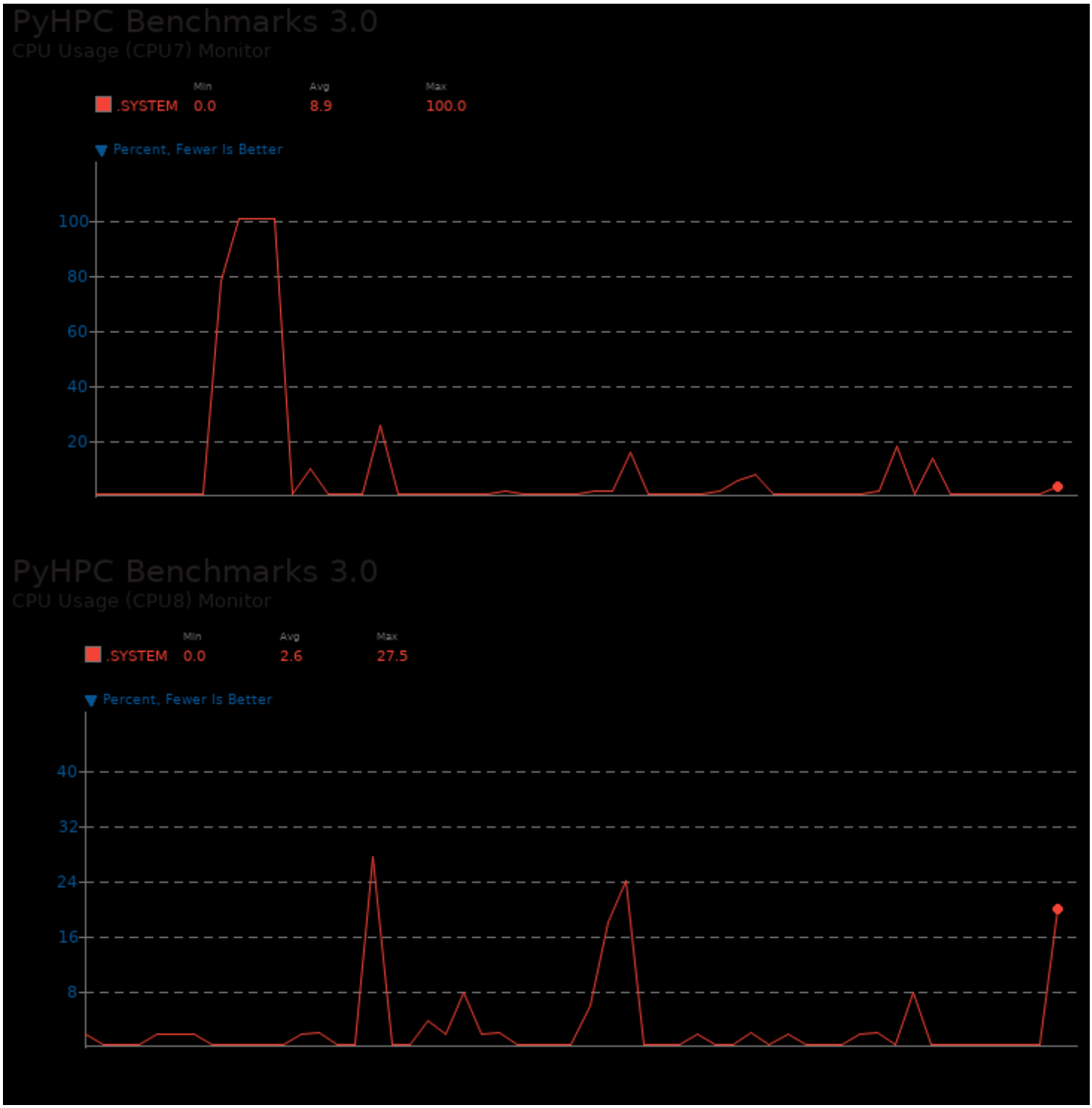

PyHPC Benchmarks 3.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
.SYSTEM 400 3420 4043
Megahertz, More Is Better
5500
4400
3300
2200
1100
PyHPC Benchmarks 3.0
CPU Power Consumption Monitor
Min
Avg
Max
.SYSTEM 1.5 5.9 8.9
Watts, Fewer Is Better
15
12
9
6
3

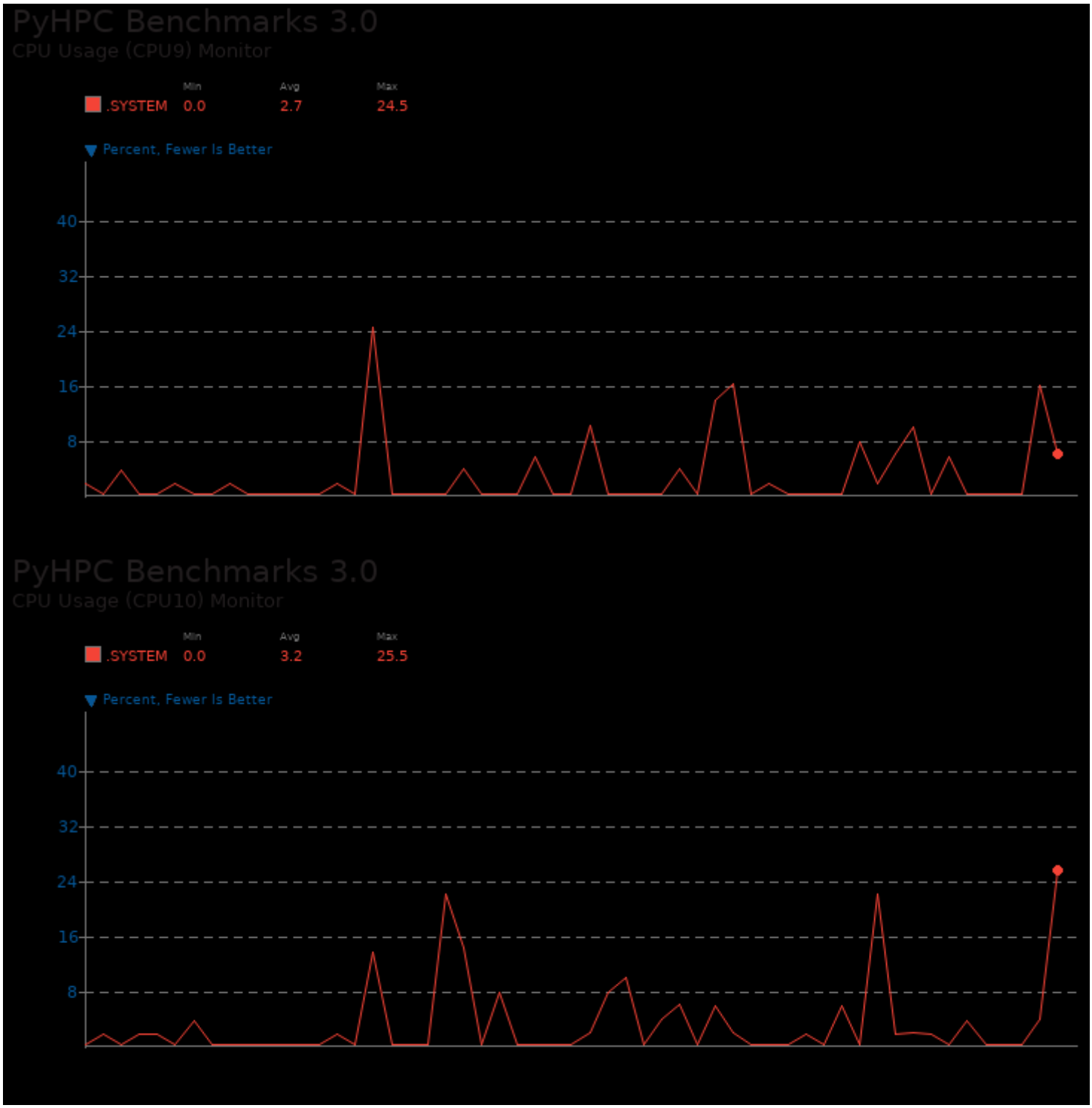

PyHPC Benchmarks 3.0
CPU Temperature Monitor
Min
Avg
Max
.SYSTEM 55.9 60.9 63.1
Celsius, Fewer Is Better
100
80
60
40
20
PyHPC Benchmarks 3.0
CPU Usage (CPU0) Monitor
Min
Avg
Max
.SYSTEM 0.0 21.7 100.0
Percent, Fewer Is Better
100
80
60
40
20

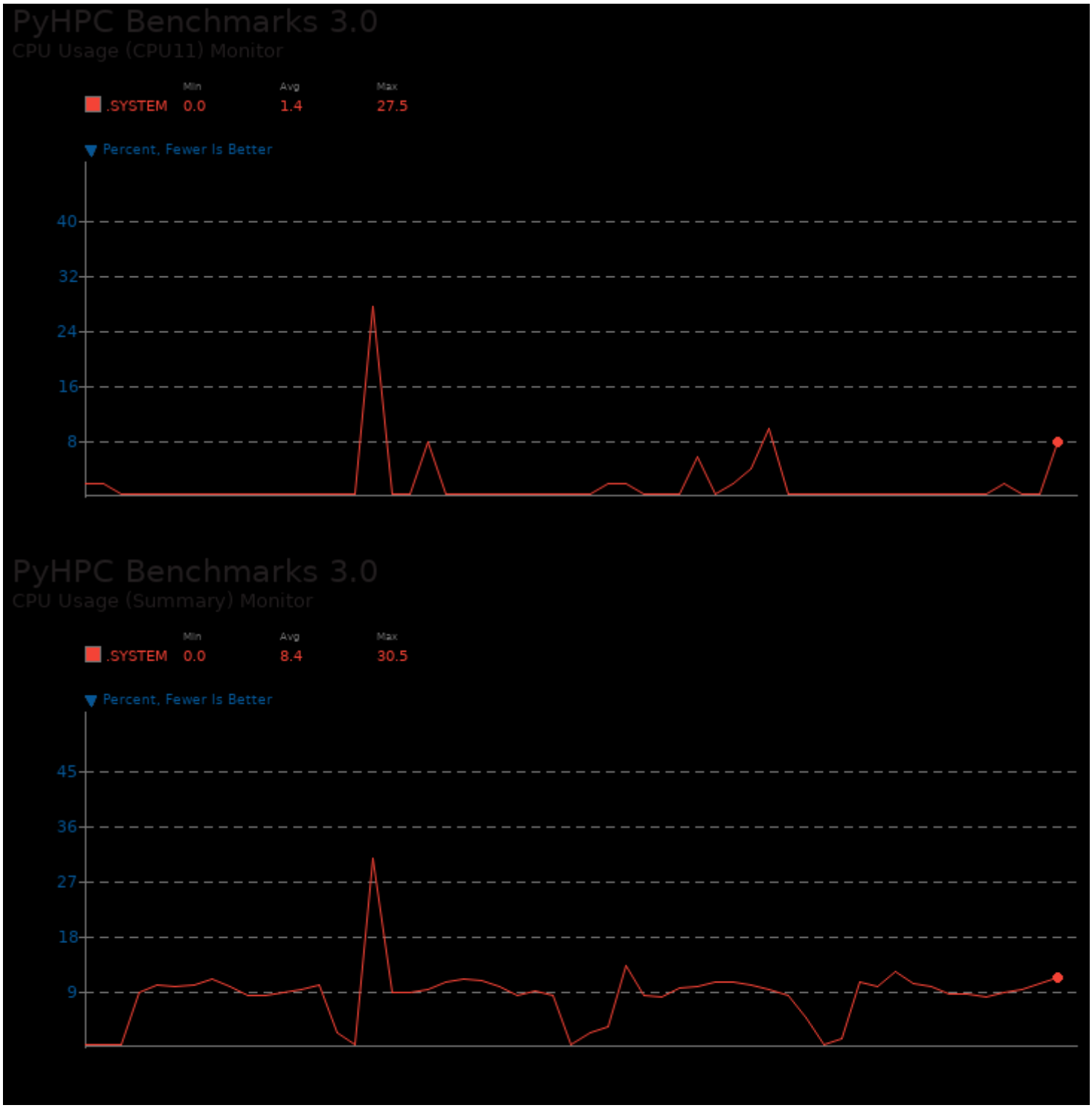

PyHPC Benchmarks 3.0
CPU Usage (CPU1) Monitor
Min
Avg
Max
.SYSTEM 0.0 8.3 100.0
Percent, Fewer Is Better
100
80
60
40
20
PyHPC Benchmarks 3.0
CPU Usage (CPU2) Monitor
Min
Avg
Max
.SYSTEM 0.0 17.2 100.0
Percent, Fewer Is Better
100
80
60
40
20

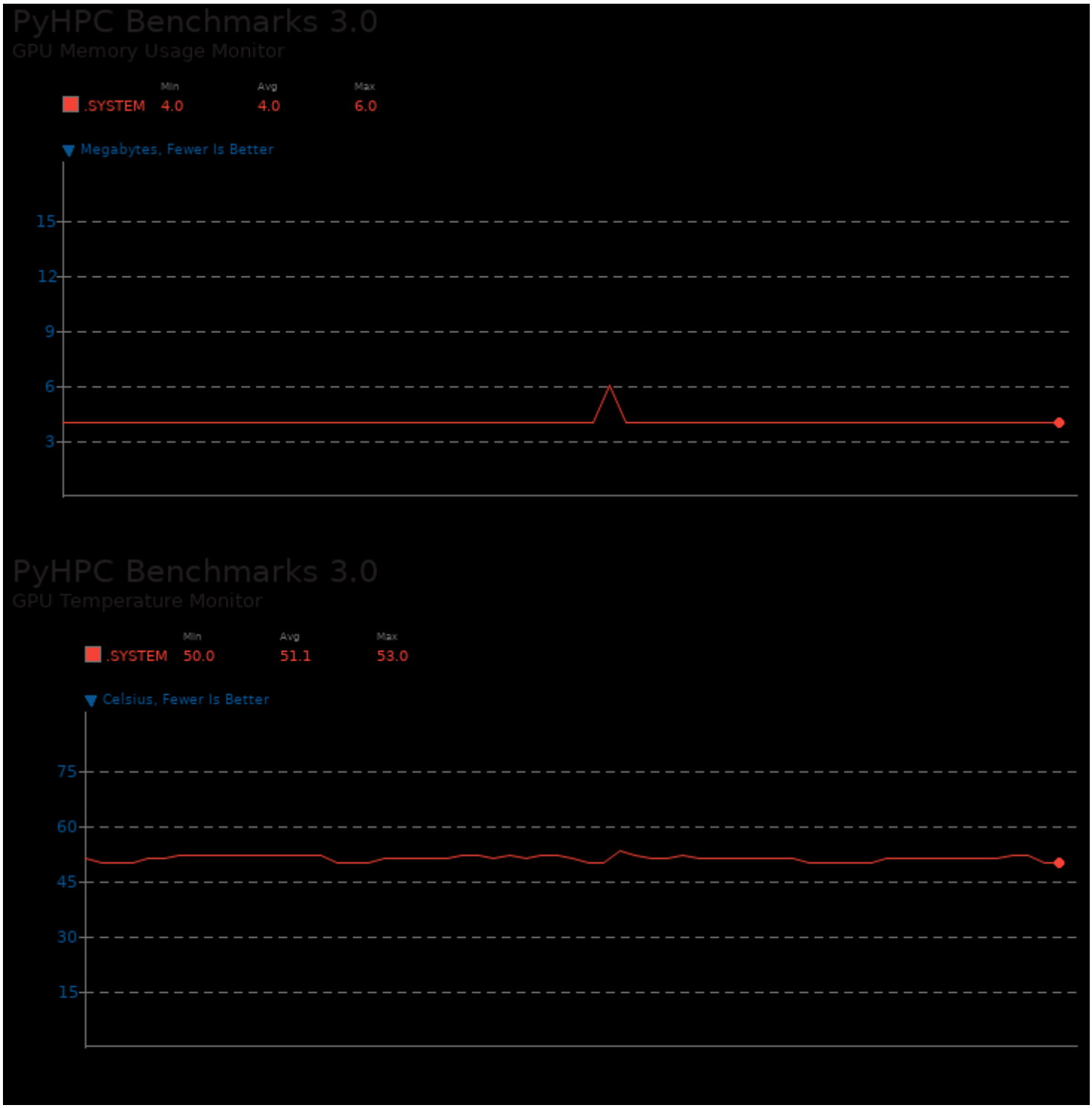

PyHPC Benchmarks 3.0
CPU Usage (CPU3) Monitor
Min
Avg
Max
.SYSTEM
0.0
14.9
100.0
Percent, Fewer Is Better
100
80
60
40
20
PyHPC Benchmarks 3.0
CPU Usage (CPU4) Monitor
Min
Avg
Max
.SYSTEM
0.0
2.1
25.5
Percent, Fewer Is Better
40
32
24
16
8

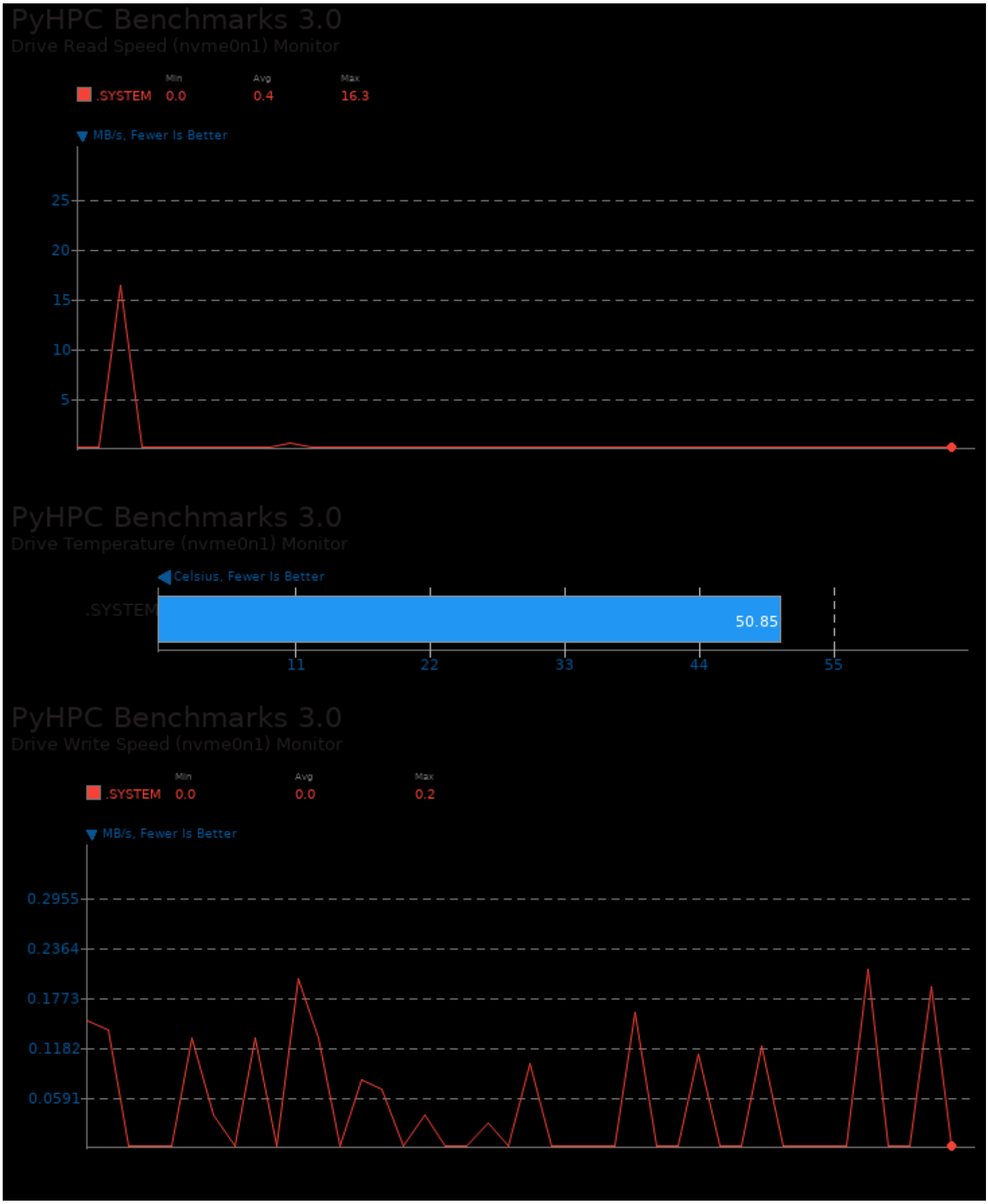

PyHPC Benchmarks 3.0
CPU Usage (CPU5) Monitor
Min
Avg
Max
.SYSTEM 0.0 1.0 26.0
Percent, Fewer Is Better
40
32
24
16
8
PyHPC Benchmarks 3.0
CPU Usage (CPU6) Monitor
Min
Avg
Max
.SYSTEM 0.0 16.4 100.0
Percent, Fewer Is Better
100
80
60
40
20

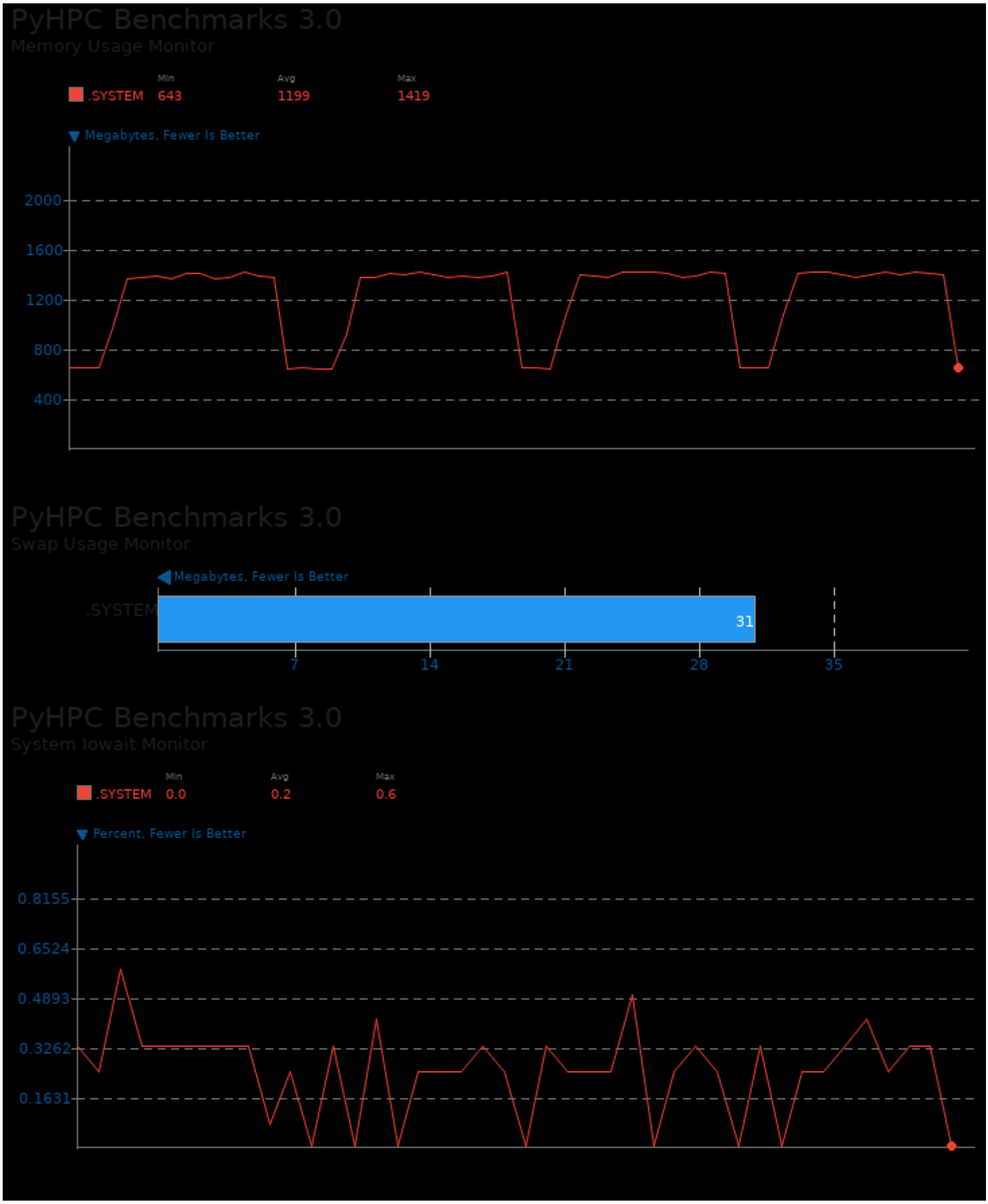

PyHPC Benchmarks 3.0
CPU Usage (CPU7) Monitor
Min
Avg
Max
.SYSTEM
0.0
8.9
100.0
Percent, Fewer Is Better
100
80
60
40
20
PyHPC Benchmarks 3.0
CPU Usage (CPU8) Monitor
Min
Avg
Max
.SYSTEM
0.0
2.6
27.5
Percent, Fewer Is Better
40
32
24
16
8

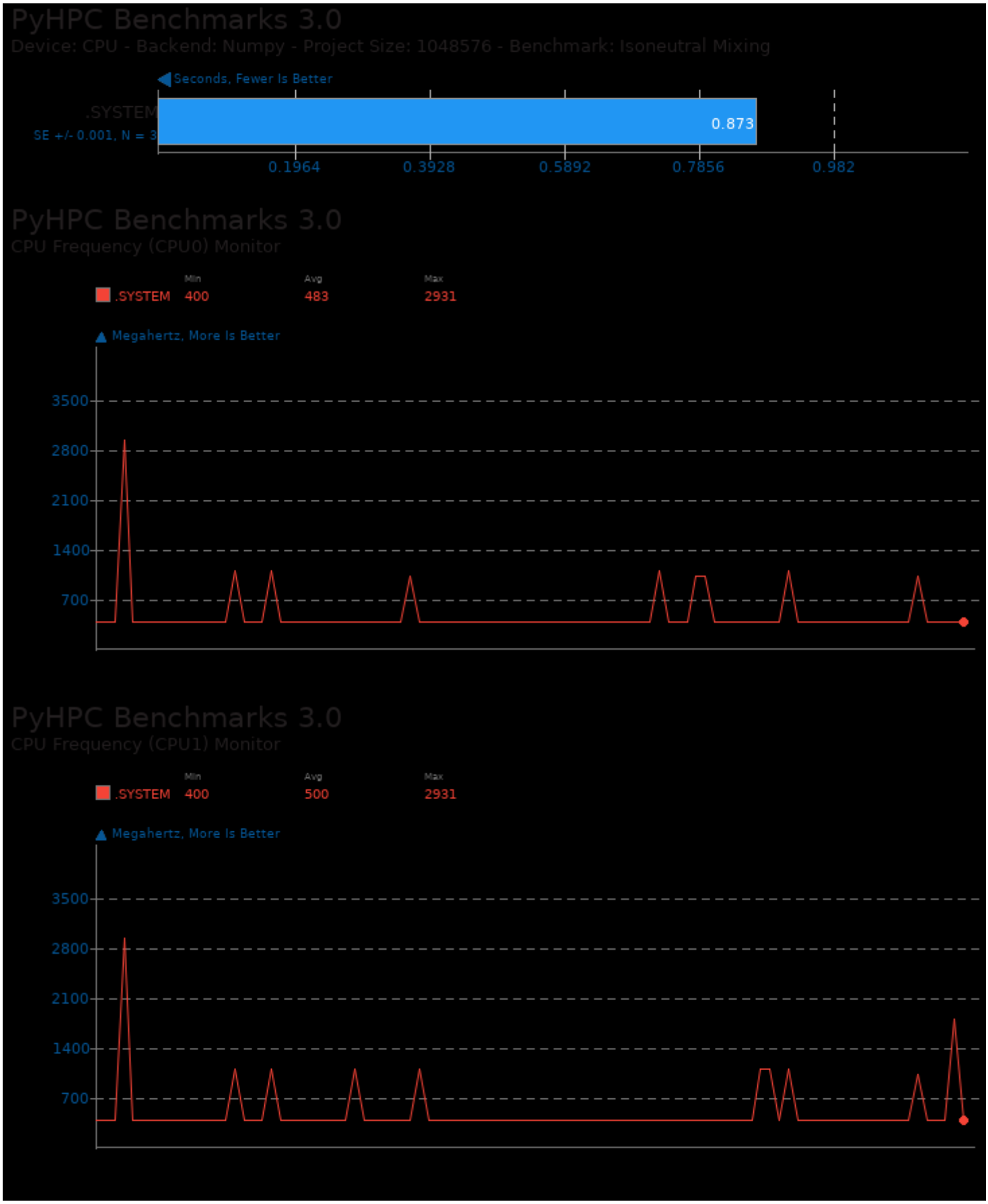

PyHPC Benchmarks 3.0
CPU Usage (CPU9) Monitor
Min
Avg
Max
.SYSTEM 0.0 2.7 24.5
Percent, Fewer Is Better
40
32
24
16
8
PyHPC Benchmarks 3.0
CPU Usage (CPU10) Monitor
Min
Avg
Max
.SYSTEM 0.0 3.2 25.5
Percent, Fewer Is Better
40
32
24
16
8

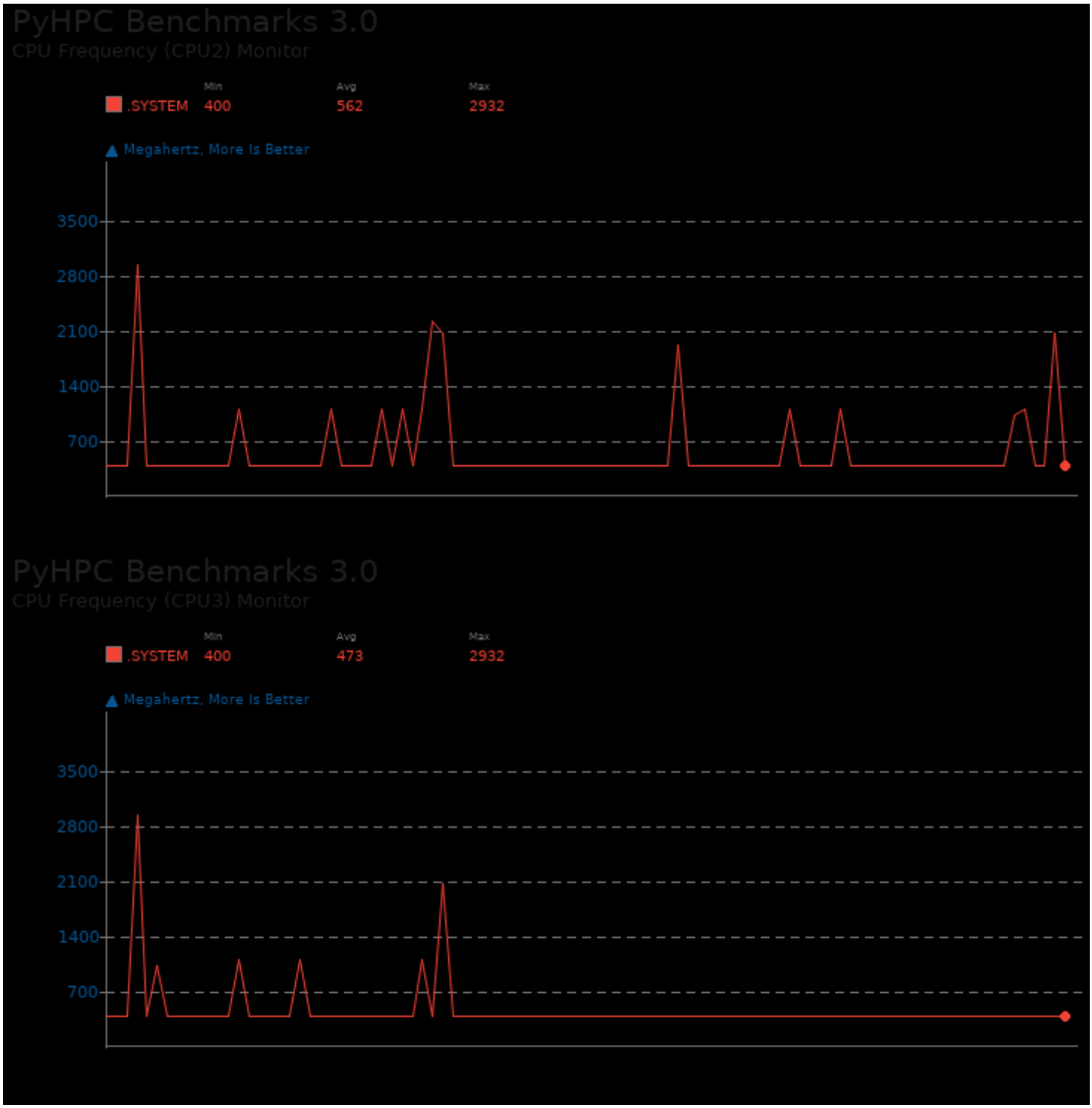

PyHPC Benchmarks 3.0
CPU Usage (CPU11) Monitor
Min
Avg
Max
.SYSTEM 0.0 1.4 27.5
Percent, Fewer Is Better
40
32
24
16
8
PyHPC Benchmarks 3.0
CPU Usage (Summary) Monitor
Min
Avg
Max
.SYSTEM 0.0 8.4 30.5
Percent, Fewer Is Better
45
36
27
18
9

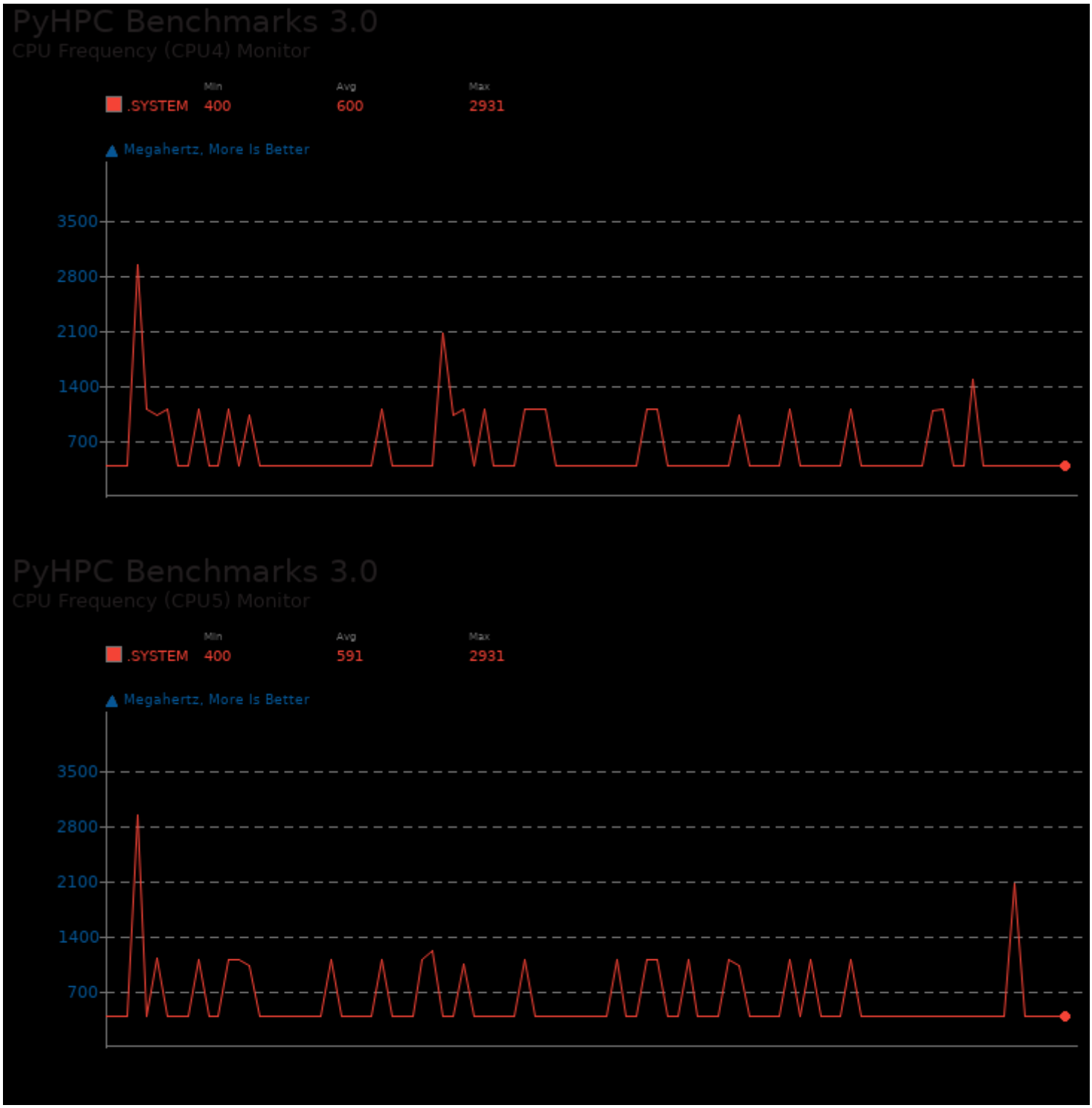

PyHPC Benchmarks 3.0
GPU Memory Usage Monitor
Min
Avg
Max
.SYSTEM
4.0
4.0
6.0
Megabytes, Fewer Is Better
15
12
9
6
3
PyHPC Benchmarks 3.0
GPU Temperature Monitor
Min
Avg
Max
.SYSTEM
50.0
51.1
53.0
Celsius, Fewer Is Better
75
60
45
30
15

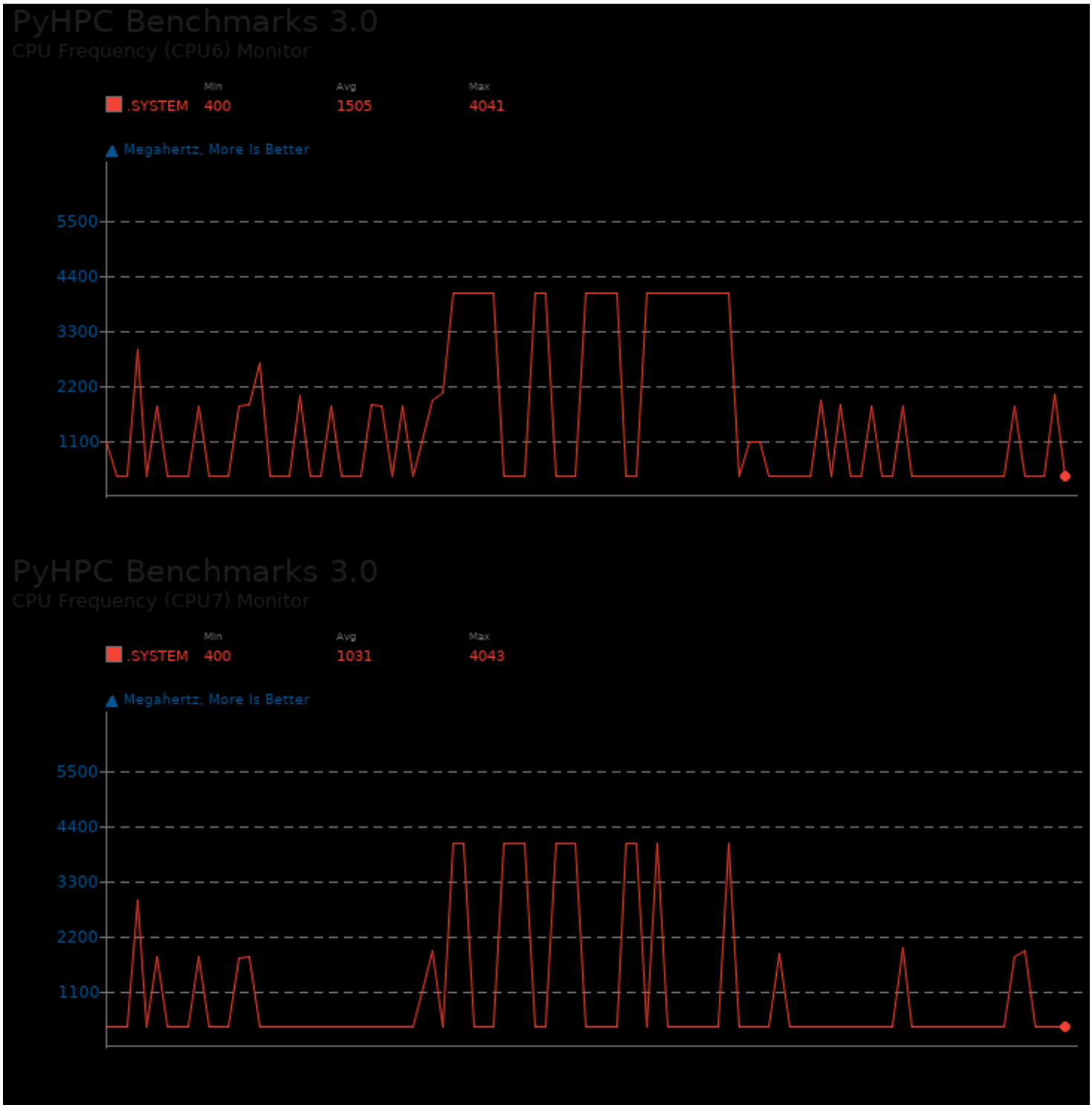

PyHPC Benchmarks 3.0
Drive Read Speed (nvme0n1) Monitor
Min
Avg
Max
.SYSTEM
0.0
0.4
16.3
MB/s, Fewer Is Better
25
20
15
10
5
PyHPC Benchmarks 3.0
Drive Temperature (nvme0n1) Monitor
Celsius, Fewer Is Better
.SYSTEM
50.85
11
22
33
44
55
PyHPC Benchmarks 3.0
Drive Write Speed (nvme0n1) Monitor
Min
Avg
Max
.SYSTEM
0.0
0.0
0.2
MB/s, Fewer Is Better
0.2955
0.2364
0.1773
0.1182
0.0591

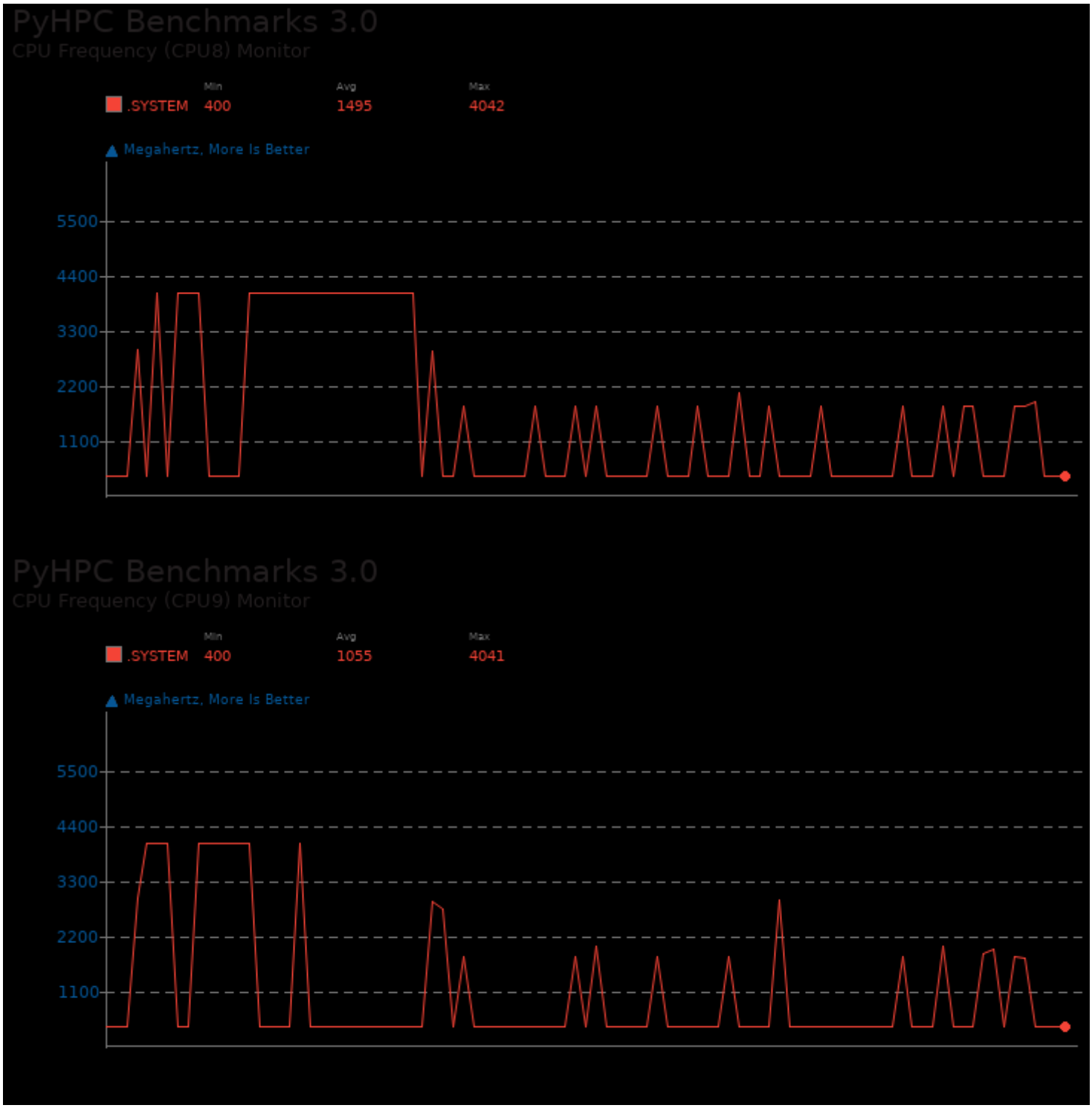

PyHPC Benchmarks 3.0
Memory Usage Monitor
Min
Avg
Max
.SYSTEM
643
1199
1419
Megabytes, Fewer Is Better
2000
1600
1200
800
400
PyHPC Benchmarks 3.0
Swap Usage Monitor
Megabytes, Fewer Is Better
.SYSTEM
31
7
14
21
28
35
PyHPC Benchmarks 3.0
System Iowait Monitor
Min
Avg
Max
.SYSTEM
0.0
0.2
0.6
Percent, Fewer Is Better
0.8155
0.6524
0.4893
0.3262
0.1631

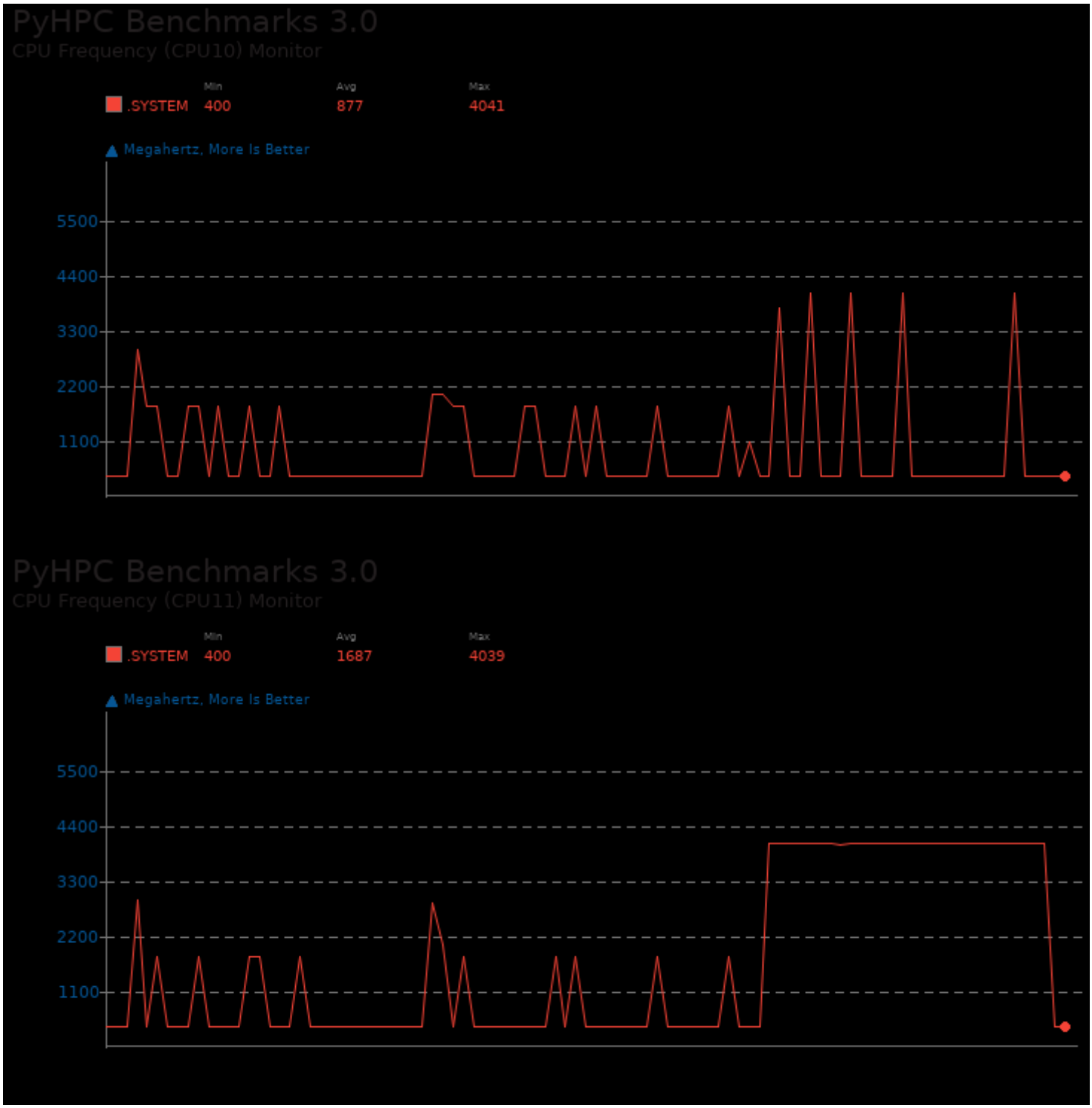

PyHPC Benchmarks 3.0
Device: CPU - Backend: Numpy - Project Size: 1048576 - Benchmark: Isoneutral Mixing
Seconds, Fewer Is Better
.SYSTEM
SE +/- 0.001, N = 3
0.873
0.1964
0.3928
0.5892
0.7856
0.982
PyHPC Benchmarks 3.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
.SYSTEM
400
483
2931
Megahertz, More Is Better
3500
2800
2100
1400
700
PyHPC Benchmarks 3.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
.SYSTEM
400
500
2931
Megahertz, More Is Better
3500
2800
2100
1400
700

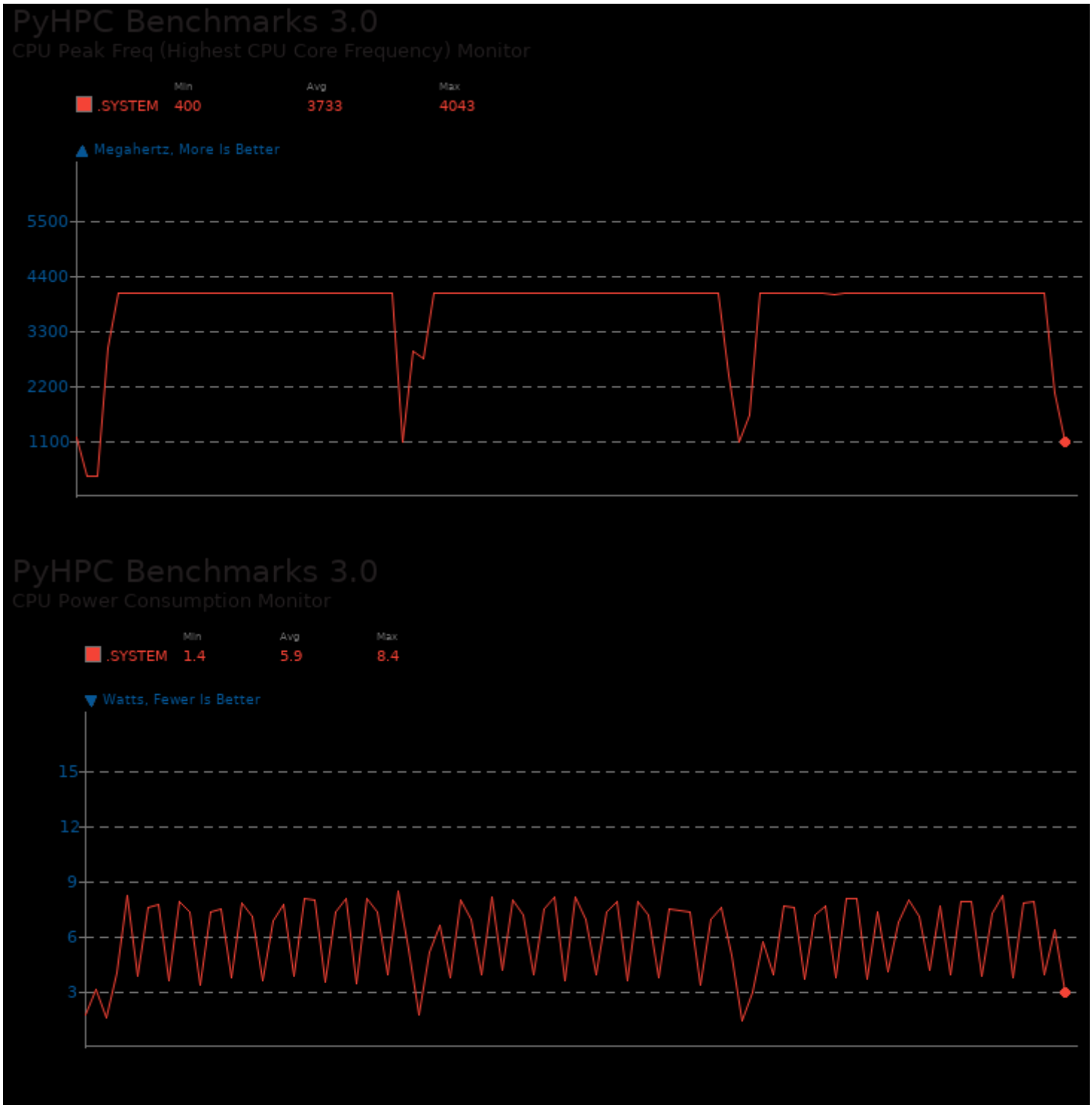

PyHPC Benchmarks 3.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
.SYSTEM 400 562 2932
Megahertz, More Is Better
3500
2800
2100
1400
700
PyHPC Benchmarks 3.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
.SYSTEM 400 473 2932
Megahertz, More Is Better
3500
2800
2100
1400
700

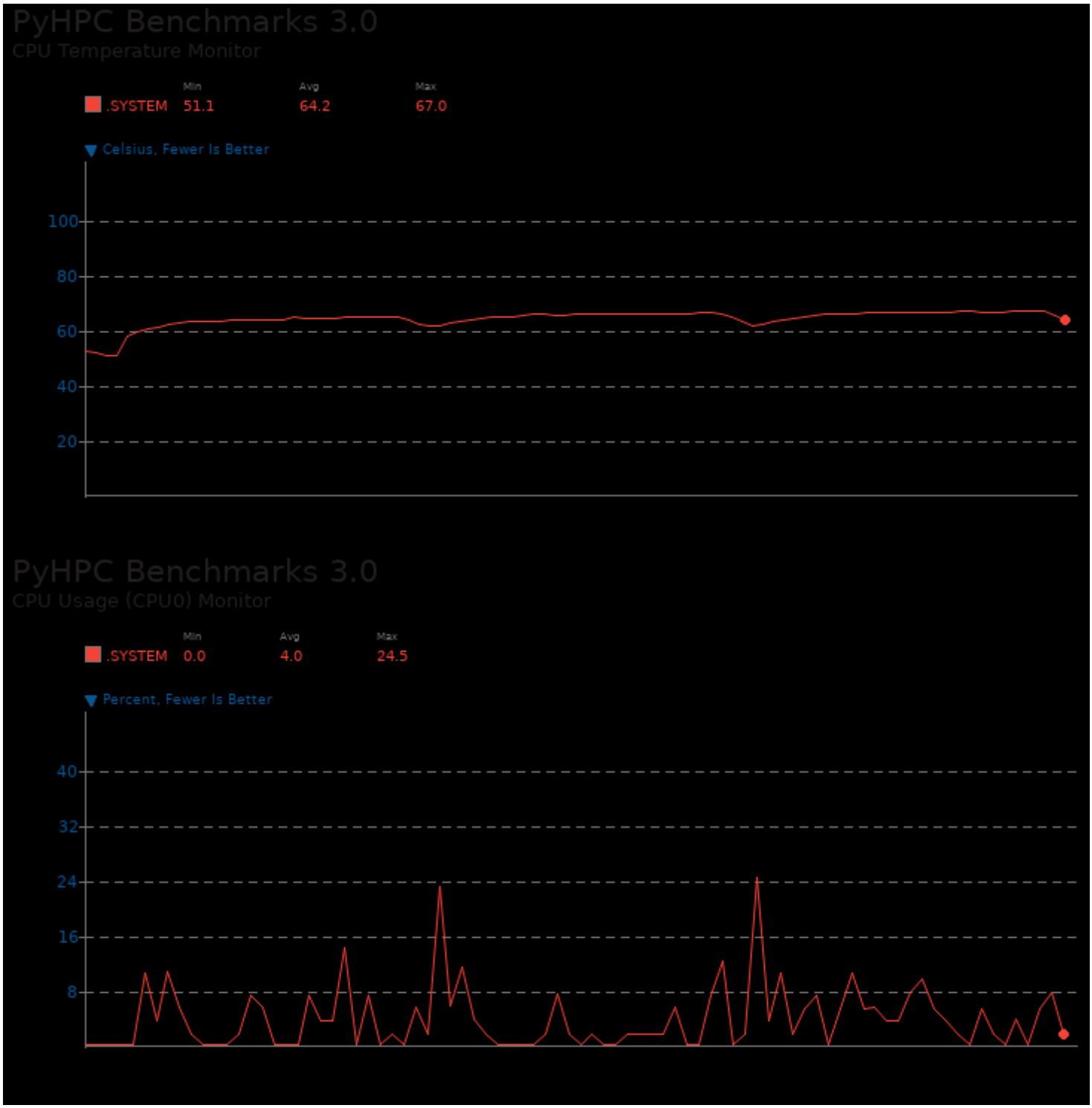

PyHPC Benchmarks 3.0
CPU Frequency (CPU4) Monitor
Min
Avg
Max
.SYSTEM 400 600 2931
Megahertz, More Is Better
3500
2800
2100
1400
700
PyHPC Benchmarks 3.0
CPU Frequency (CPU5) Monitor
Min
Avg
Max
.SYSTEM 400 591 2931
Megahertz, More Is Better
3500
2800
2100
1400
700

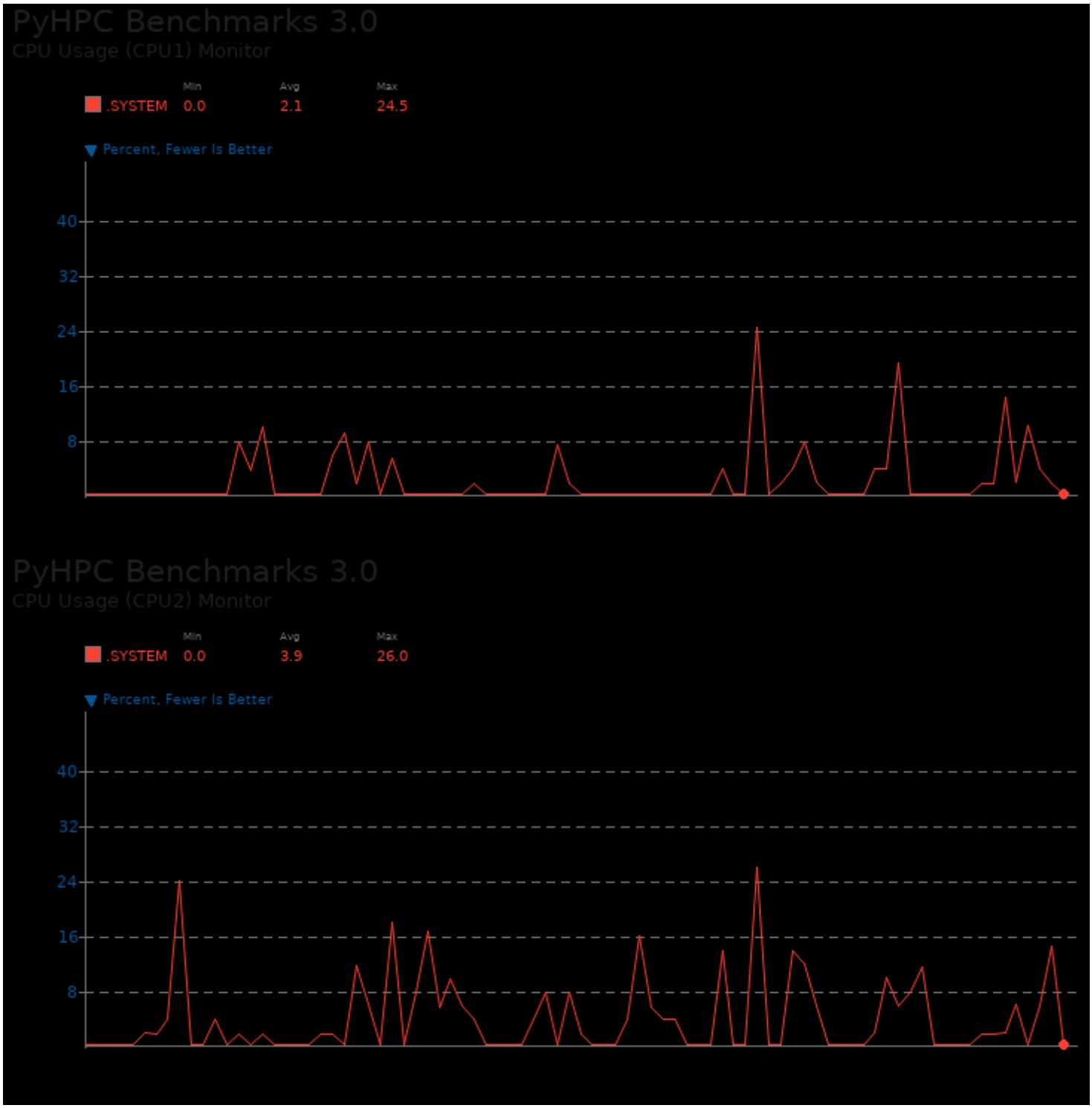

PyHPC Benchmarks 3.0
CPU Frequency (CPU6) Monitor
Min
Avg
Max
.SYSTEM 400 1505 4041
Megahertz, More Is Better
5500
4400
3300
2200
1100
PyHPC Benchmarks 3.0
CPU Frequency (CPU7) Monitor
Min
Avg
Max
.SYSTEM 400 1031 4043
Megahertz, More Is Better
5500
4400
3300
2200
1100

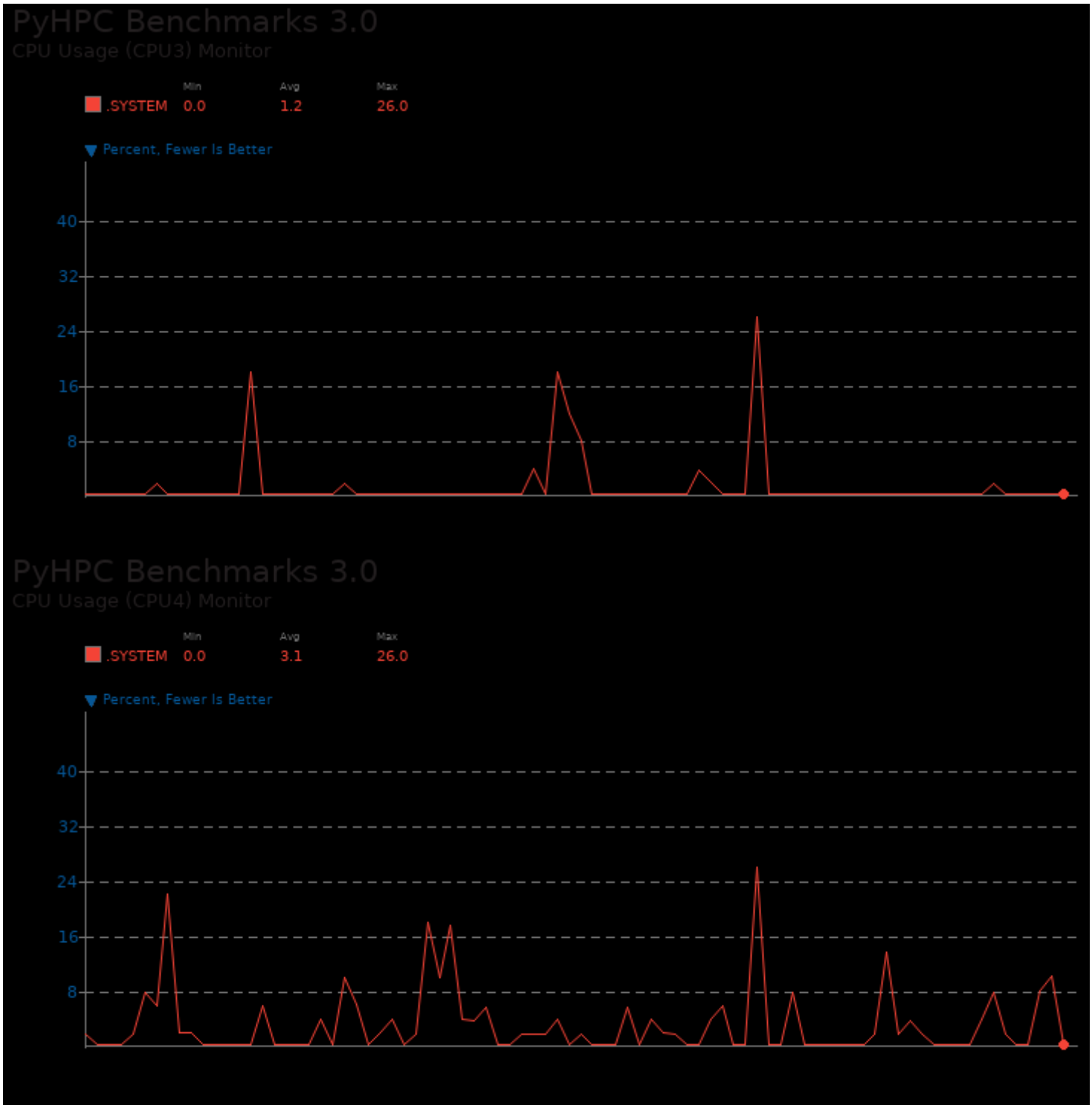

PyHPC Benchmarks 3.0
CPU Frequency (CPU8) Monitor
Min
Avg
Max
.SYSTEM 400 1495 4042
Megahertz, More Is Better
5500
4400
3300
2200
1100
PyHPC Benchmarks 3.0
CPU Frequency (CPU9) Monitor
Min
Avg
Max
.SYSTEM 400 1055 4041
Megahertz, More Is Better
5500
4400
3300
2200
1100

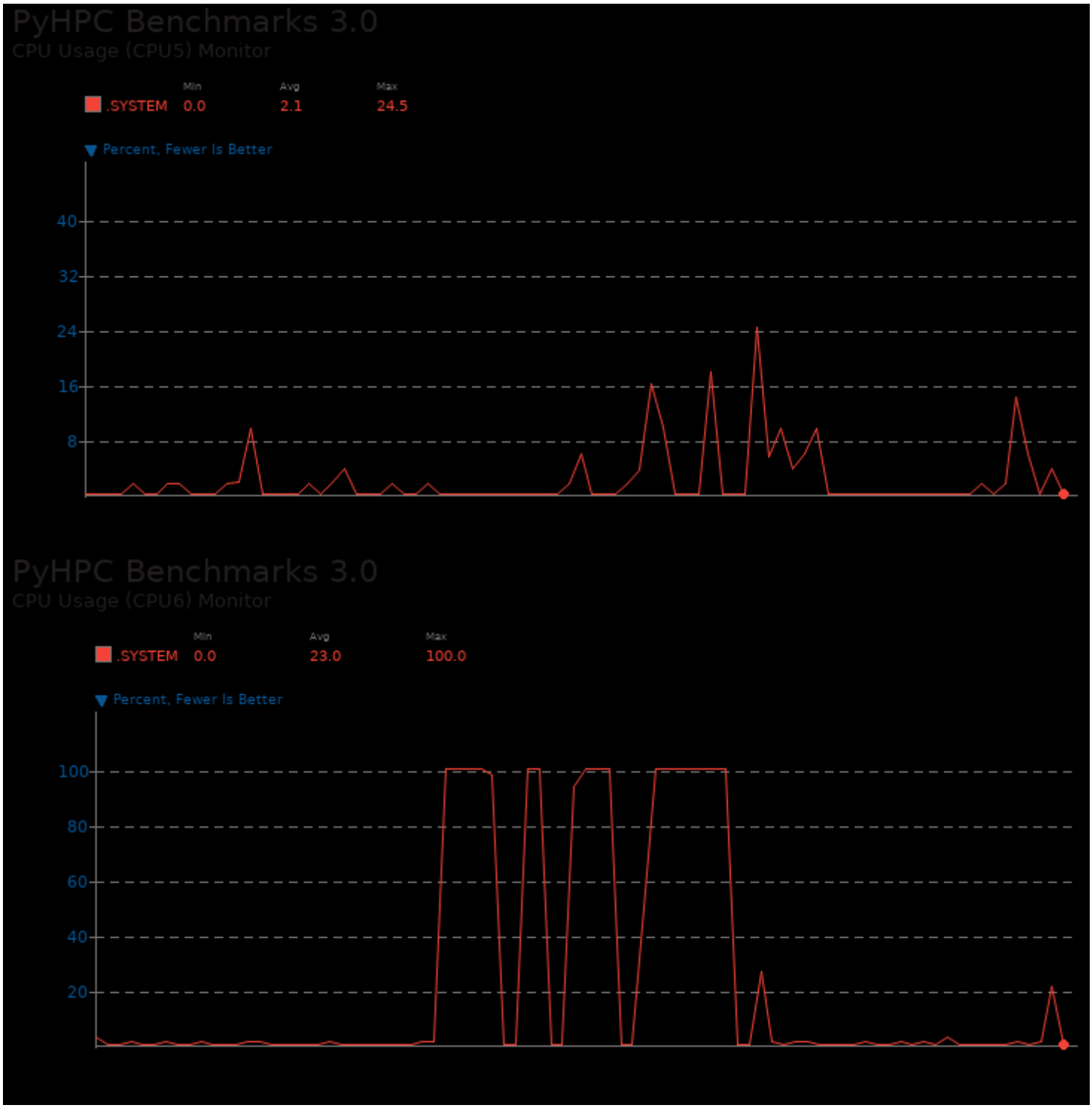

PyHPC Benchmarks 3.0
CPU Frequency (CPU10) Monitor
Min
Avg
Max
.SYSTEM 400 877 4041
Megahertz, More Is Better
5500
4400
3300
2200
1100
PyHPC Benchmarks 3.0
CPU Frequency (CPU11) Monitor
Min
Avg
Max
.SYSTEM 400 1687 4039
Megahertz, More Is Better
5500
4400
3300
2200
1100

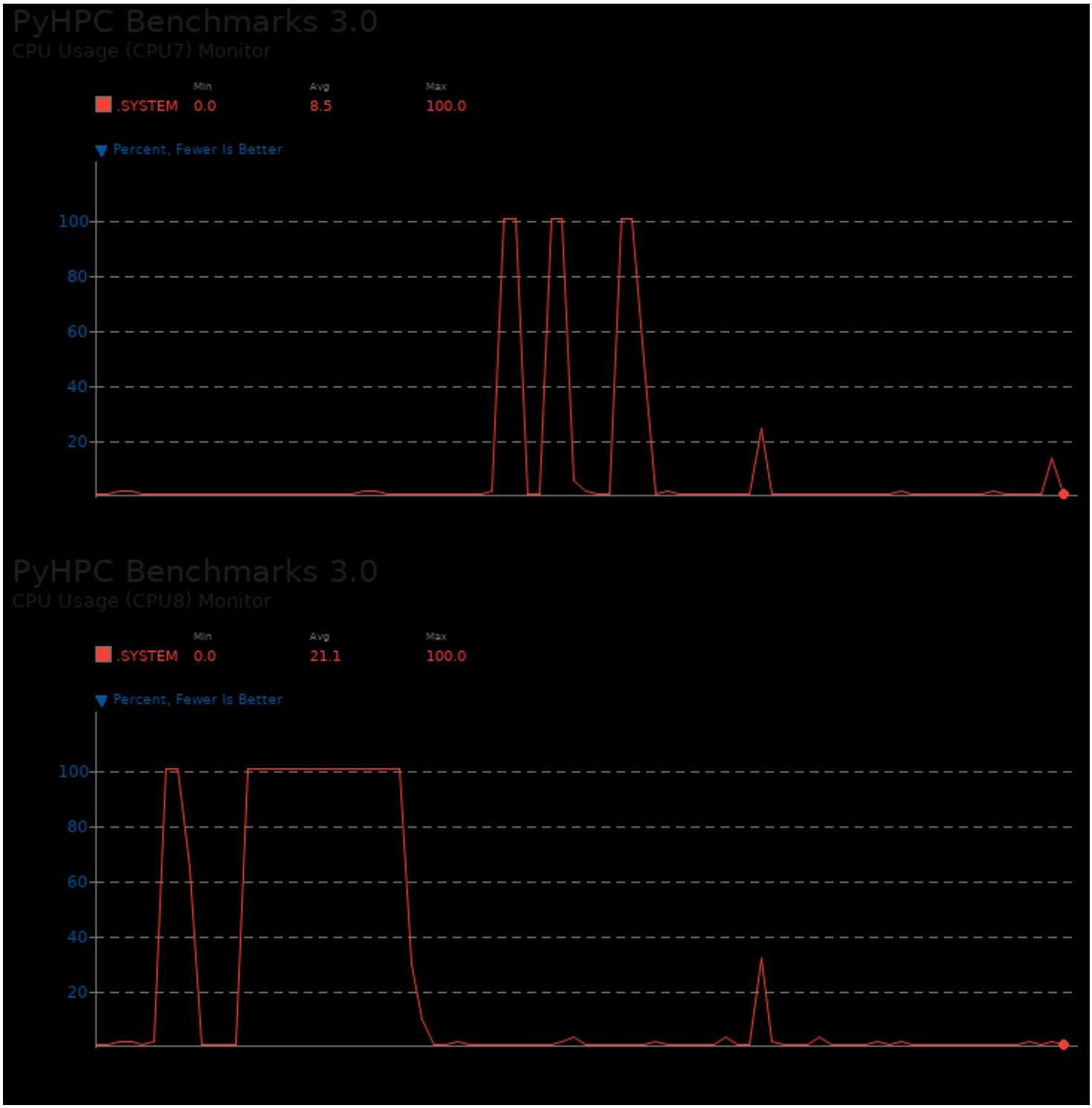

PyHPC Benchmarks 3.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
.SYSTEM 400 3733 4043
Megahertz, More Is Better
5500
4400
3300
2200
1100
PyHPC Benchmarks 3.0
CPU Power Consumption Monitor
Min
Avg
Max
.SYSTEM 1.4 5.9 8.4
Watts, Fewer Is Better
15
12
9
6
3

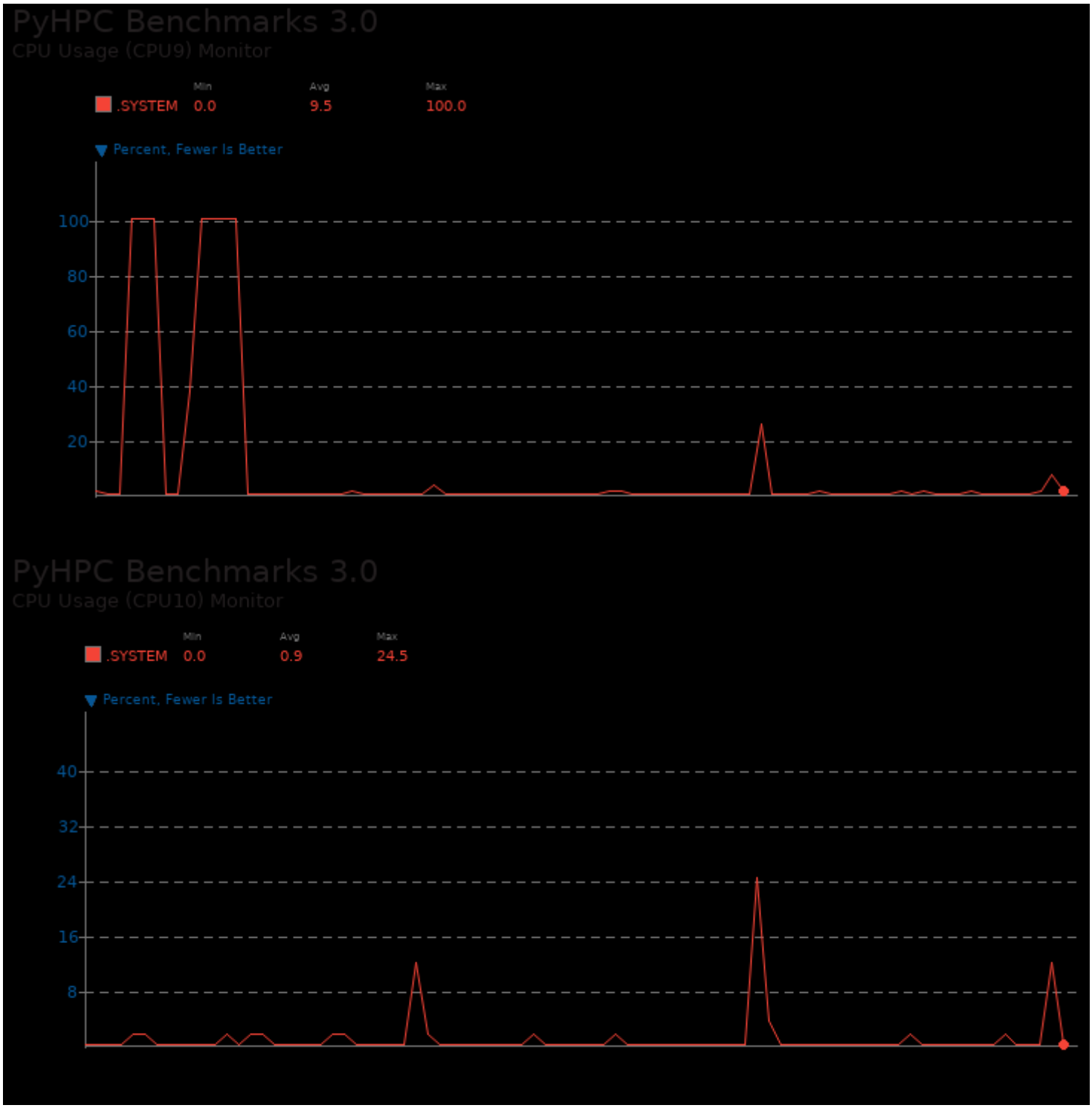

PyHPC Benchmarks 3.0
CPU Temperature Monitor
Min
Avg
Max
.SYSTEM
51.1
64.2
67.0
Celsius, Fewer Is Better
100
80
60
40
20
PyHPC Benchmarks 3.0
CPU Usage (CPU0) Monitor
Min
Avg
Max
.SYSTEM
0.0
4.0
24.5
Percent, Fewer Is Better
40
32
24
16
8

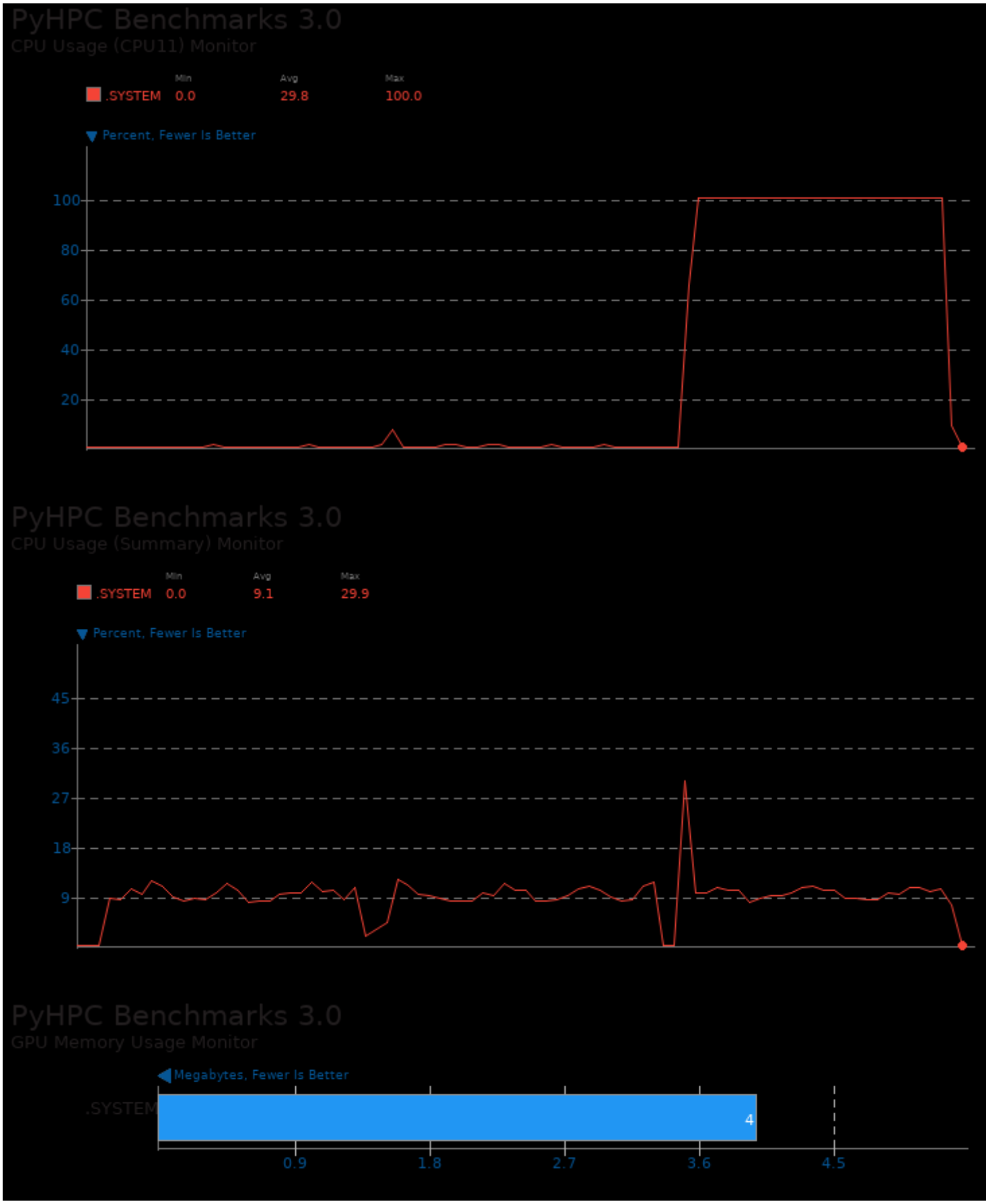

PyHPC Benchmarks 3.0
CPU Usage (CPU1) Monitor
Min
Avg
Max
.SYSTEM
0.0
2.1
24.5
Percent, Fewer Is Better
40
32
24
16
8
PyHPC Benchmarks 3.0
CPU Usage (CPU2) Monitor
Min
Avg
Max
.SYSTEM
0.0
3.9
26.0
Percent, Fewer Is Better
40
32
24
16
8

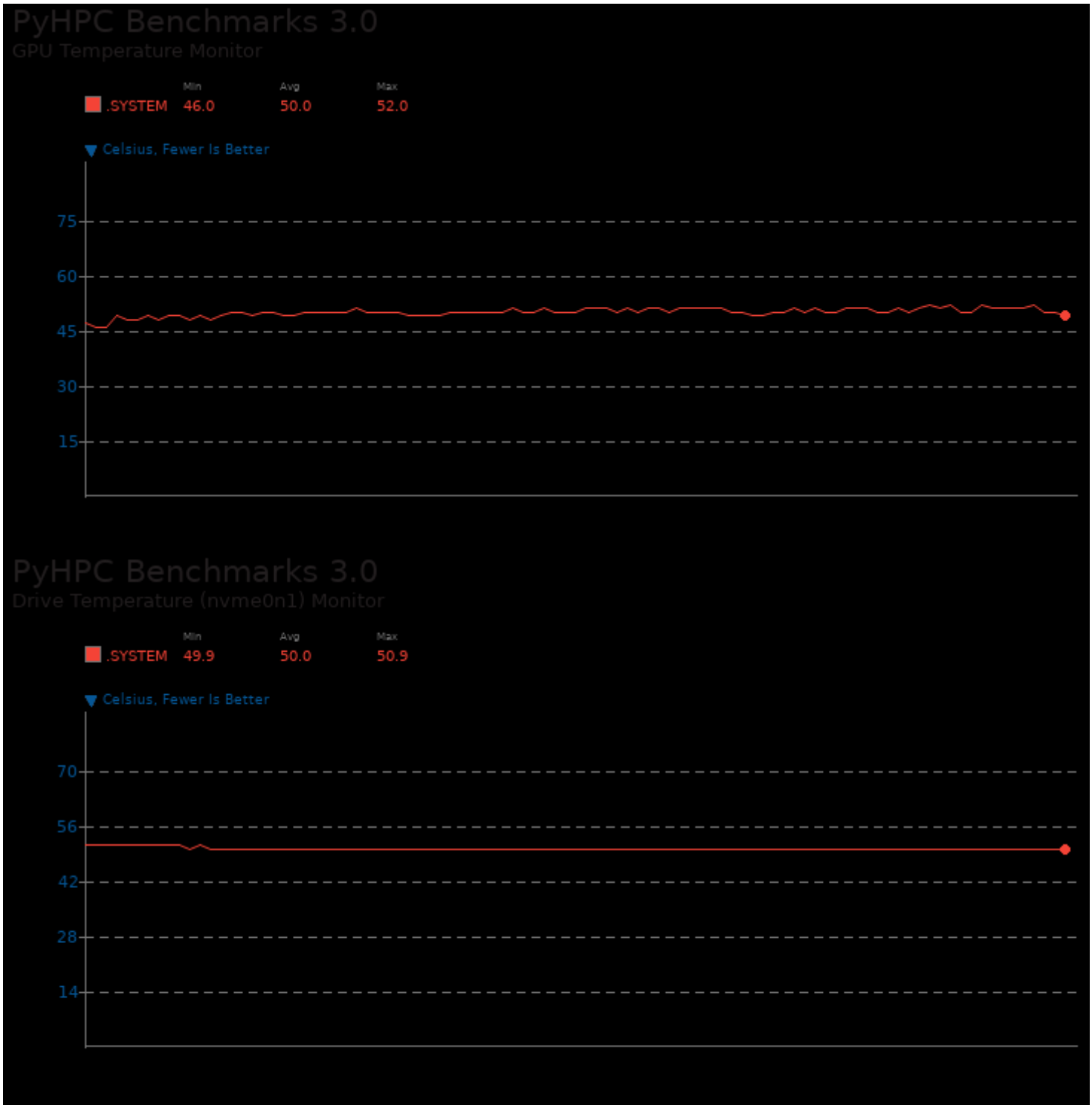

PyHPC Benchmarks 3.0
CPU Usage (CPU3) Monitor
Min
Avg
Max
.SYSTEM
0.0
1.2
26.0
Percent, Fewer Is Better
40
32
24
16
8
PyHPC Benchmarks 3.0
CPU Usage (CPU4) Monitor
Min
Avg
Max
.SYSTEM
0.0
3.1
26.0
Percent, Fewer Is Better
40
32
24
16
8

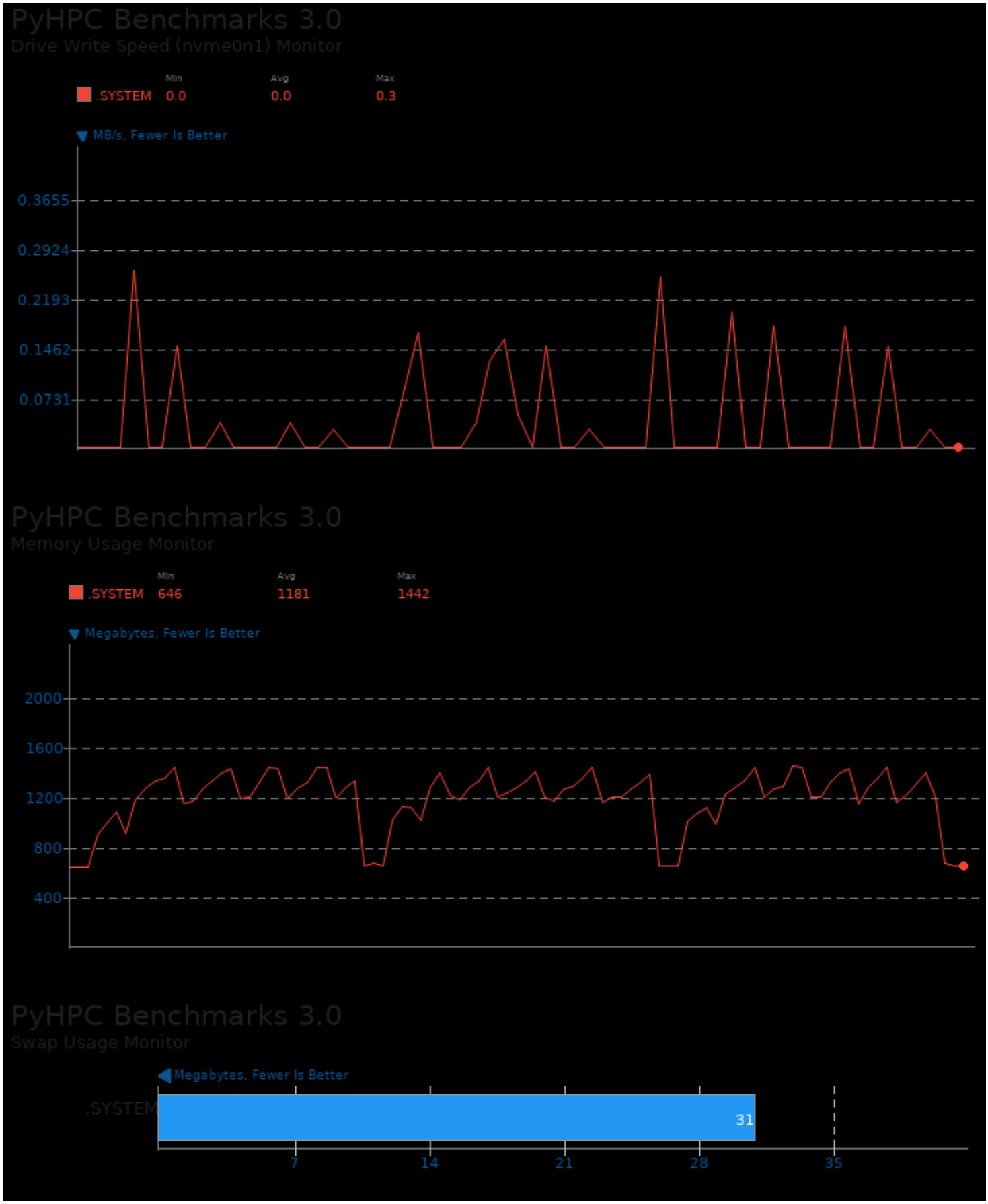

PyHPC Benchmarks 3.0
CPU Usage (CPU5) Monitor
Min
Avg
Max
.SYSTEM 0.0 2.1 24.5
Percent, Fewer Is Better
40
32
24
16
8
PyHPC Benchmarks 3.0
CPU Usage (CPU6) Monitor
Min
Avg
Max
.SYSTEM 0.0 23.0 100.0
Percent, Fewer Is Better
100
80
60
40
20

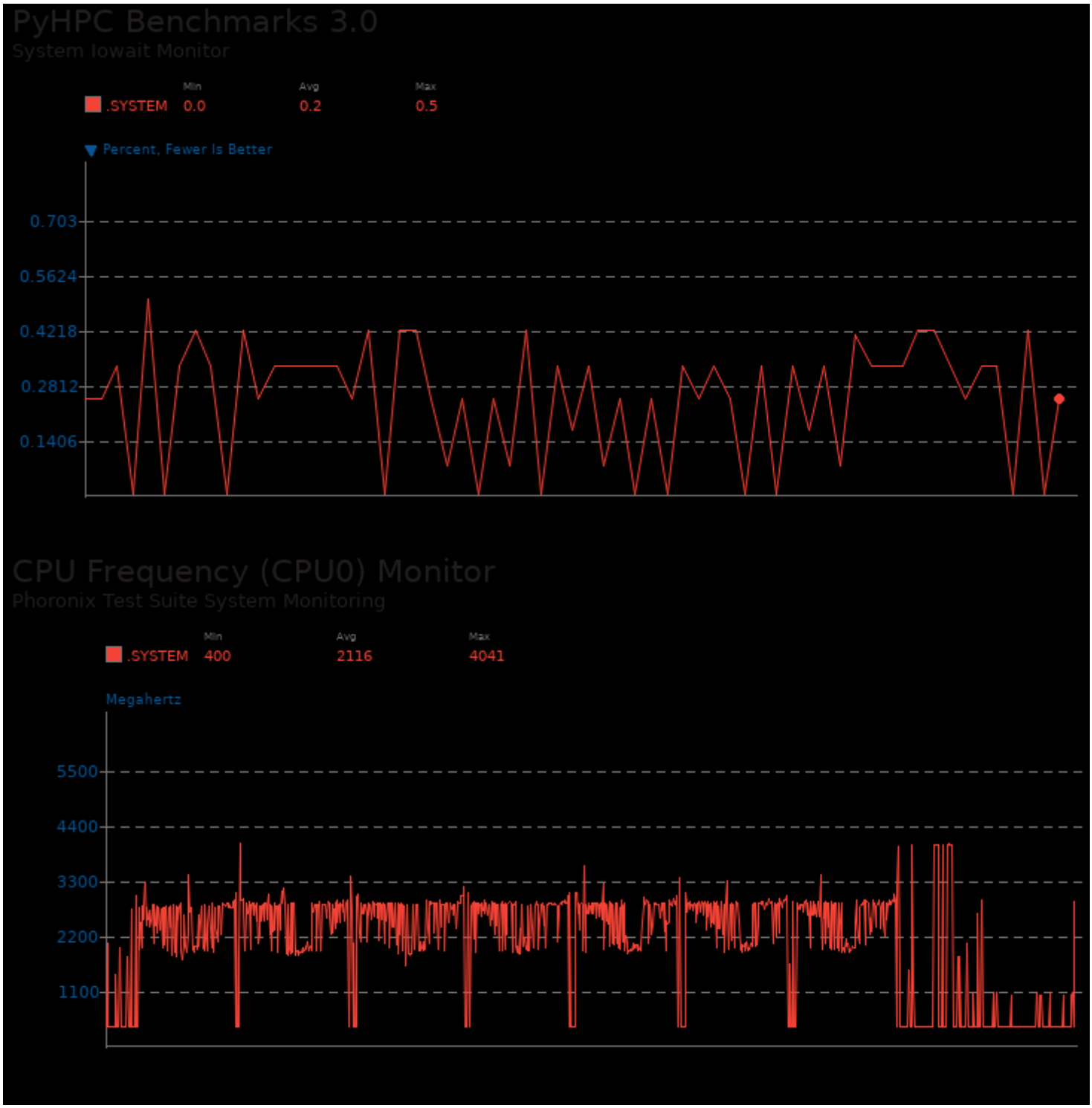

PyHPC Benchmarks 3.0
CPU Usage (CPU7) Monitor
Min
Avg
Max
.SYSTEM 0.0 8.5 100.0
Percent, Fewer Is Better
100
80
60
40
20
PyHPC Benchmarks 3.0
CPU Usage (CPU8) Monitor
Min
Avg
Max
.SYSTEM 0.0 21.1 100.0
Percent, Fewer Is Better
100
80
60
40
20

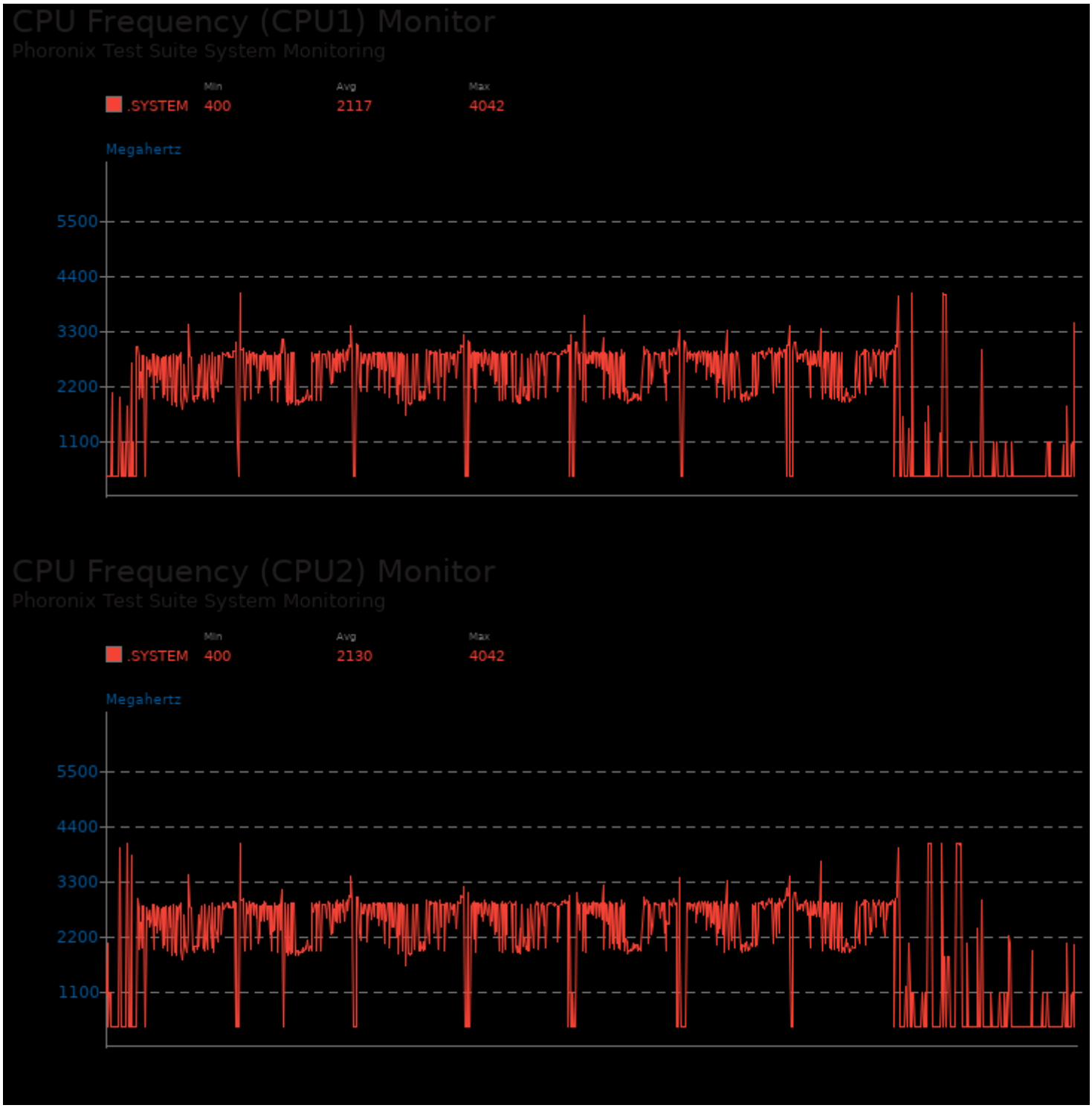

PyHPC Benchmarks 3.0
CPU Usage (CPU9) Monitor
Min
Avg
Max
.SYSTEM 0.0 9.5 100.0
Percent, Fewer Is Better
100
80
60
40
20
PyHPC Benchmarks 3.0
CPU Usage (CPU10) Monitor
Min
Avg
Max
.SYSTEM 0.0 0.9 24.5
Percent, Fewer Is Better
40
32
24
16
8

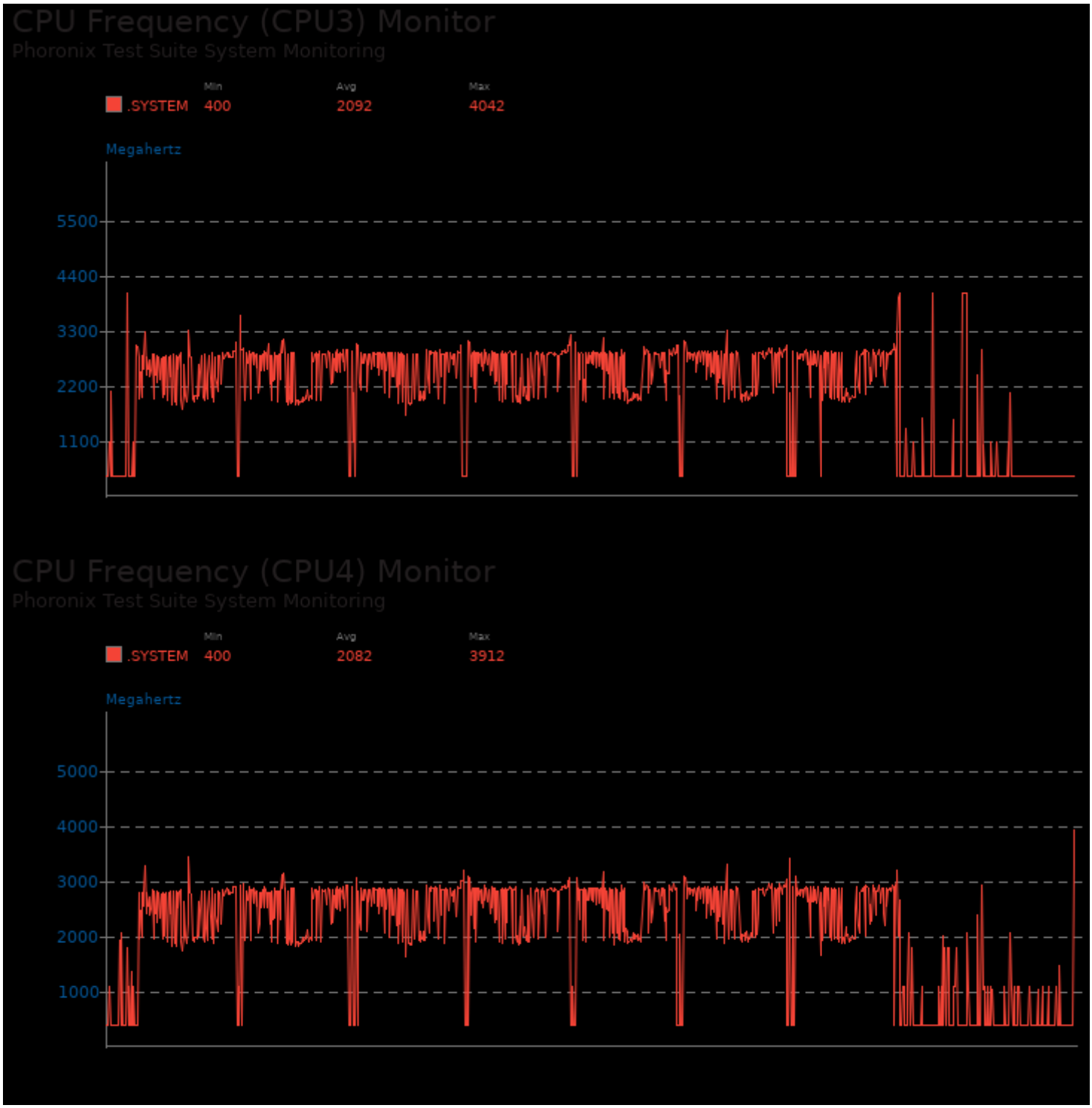

PyHPC Benchmarks 3.0
CPU Usage (CPU11) Monitor
Min
Avg
Max
.SYSTEM 0.0 29.8 100.0
Percent, Fewer Is Better
100
80
60
40
20
PyHPC Benchmarks 3.0
CPU Usage (Summary) Monitor
Min
Avg
Max
.SYSTEM 0.0 9.1 29.9
Percent, Fewer Is Better
45
36
27
18
9
PyHPC Benchmarks 3.0
GPU Memory Usage Monitor
Megabytes, Fewer Is Better
.SYSTEM
4
0.9
1.8
2.7
3.6
4.5


PyHPC Benchmarks 3.0
GPU Temperature Monitor
Min
Avg
Max
.SYSTEM
46.0
50.0
52.0
Celsius, Fewer Is Better
75
60
45
30
15
PyHPC Benchmarks 3.0
Drive Temperature (nvme0n1) Monitor
Min
Avg
Max
.SYSTEM
49.9
50.0
50.9
Celsius, Fewer Is Better
70
56
42
28
14

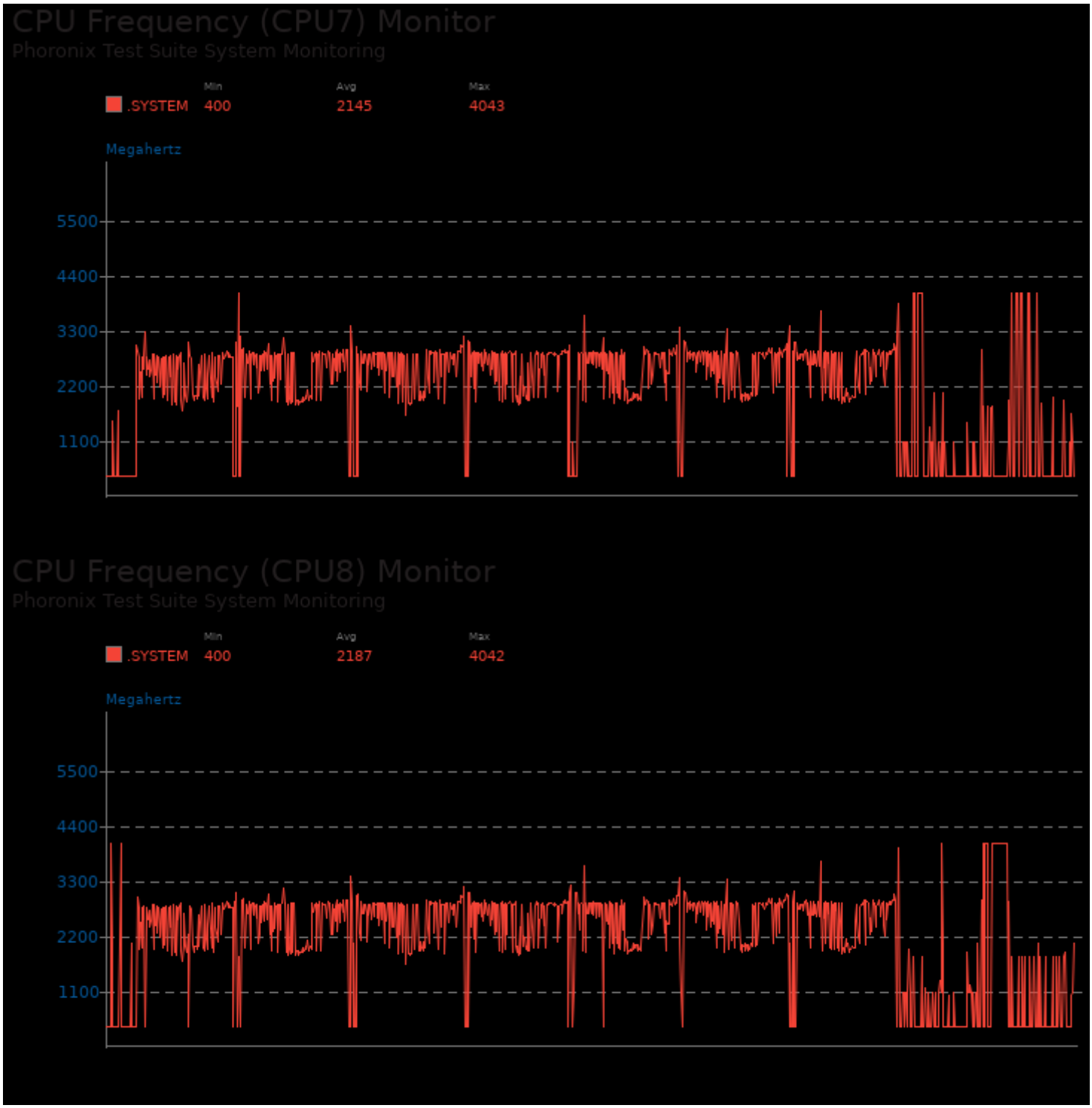

PyHPC Benchmarks 3.0
Drive Write Speed (nvme0n1) Monitor
Min
Avg
Max
.SYSTEM 0.0 0.0 0.3
MB/s, Fewer Is Better
0.3655
0.2924
0.2193
0.1462
0.0731
PyHPC Benchmarks 3.0
Memory Usage Monitor
Min
Avg
Max
.SYSTEM 646 1181 1442
Megabytes, Fewer Is Better
2000
1600
1200
800
400
PyHPC Benchmarks 3.0
Swap Usage Monitor
Megabytes, Fewer Is Better
.SYSTEM
31
7
14
21
28
35

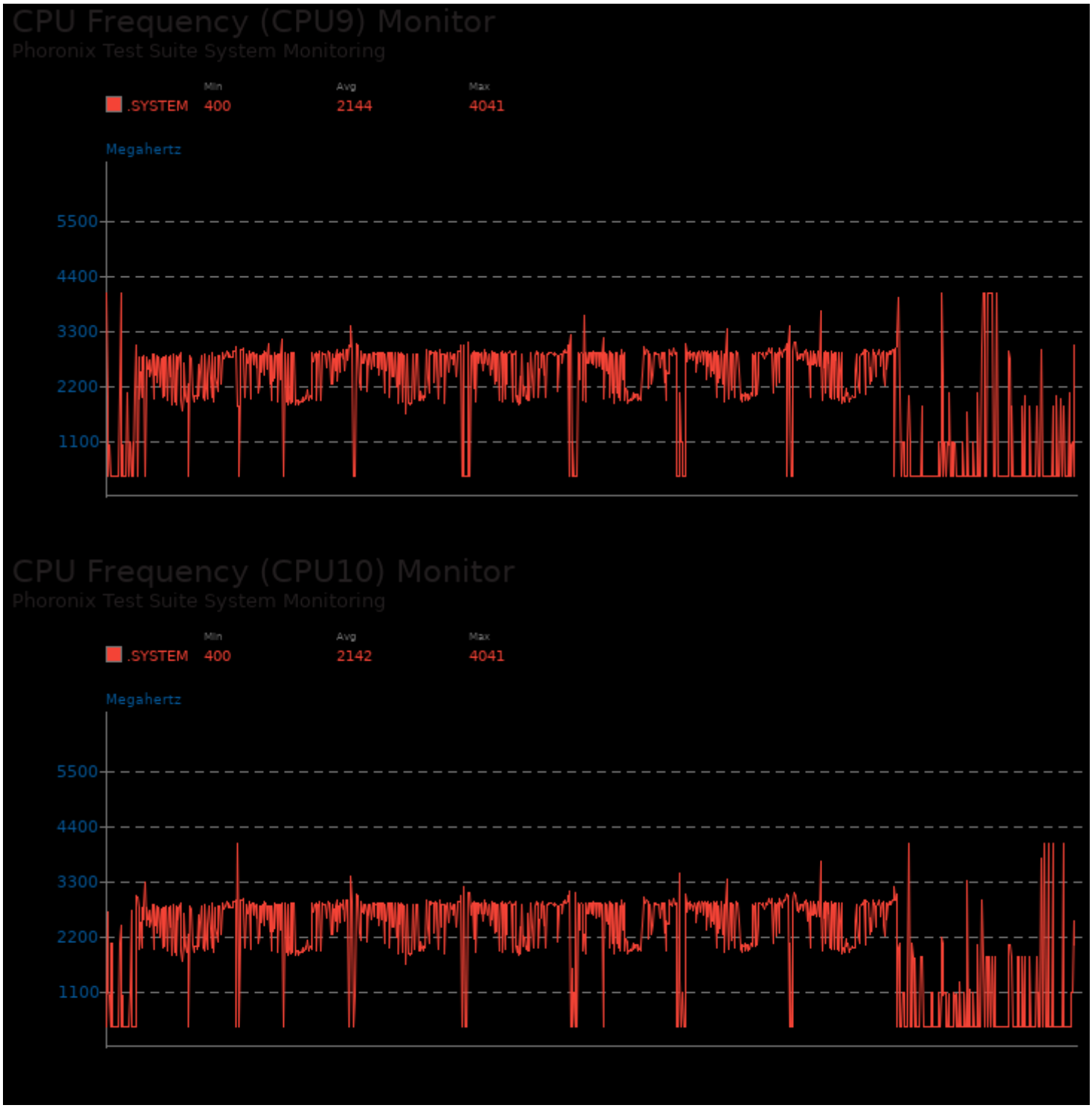

PyHPC Benchmarks 3.0
System Iowait Monitor
Min
Avg
Max
.SYSTEM 0.0 0.2 0.5
Percent, Fewer Is Better
0.703
0.5624
0.4218
0.2812
0.1406
CPU Frequency (CPU0) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 400 2116 4041
Megahertz
5500
4400
3300
2200
1100

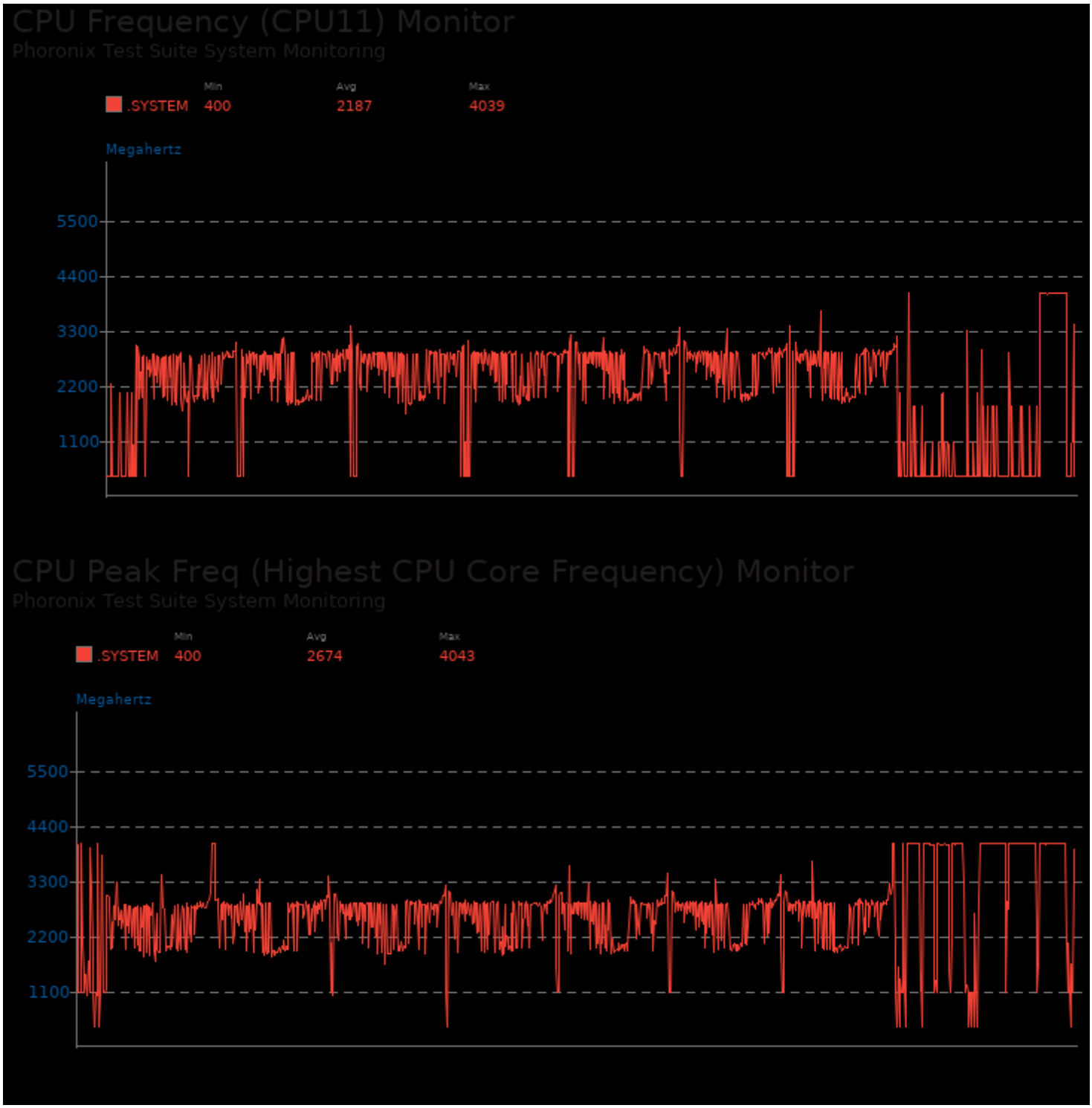

CPU Frequency (CPU1) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 400 2117 4042
Megahertz
5500
4400
3300
2200
1100
CPU Frequency (CPU2) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 400 2130 4042
Megahertz
5500
4400
3300
2200
1100

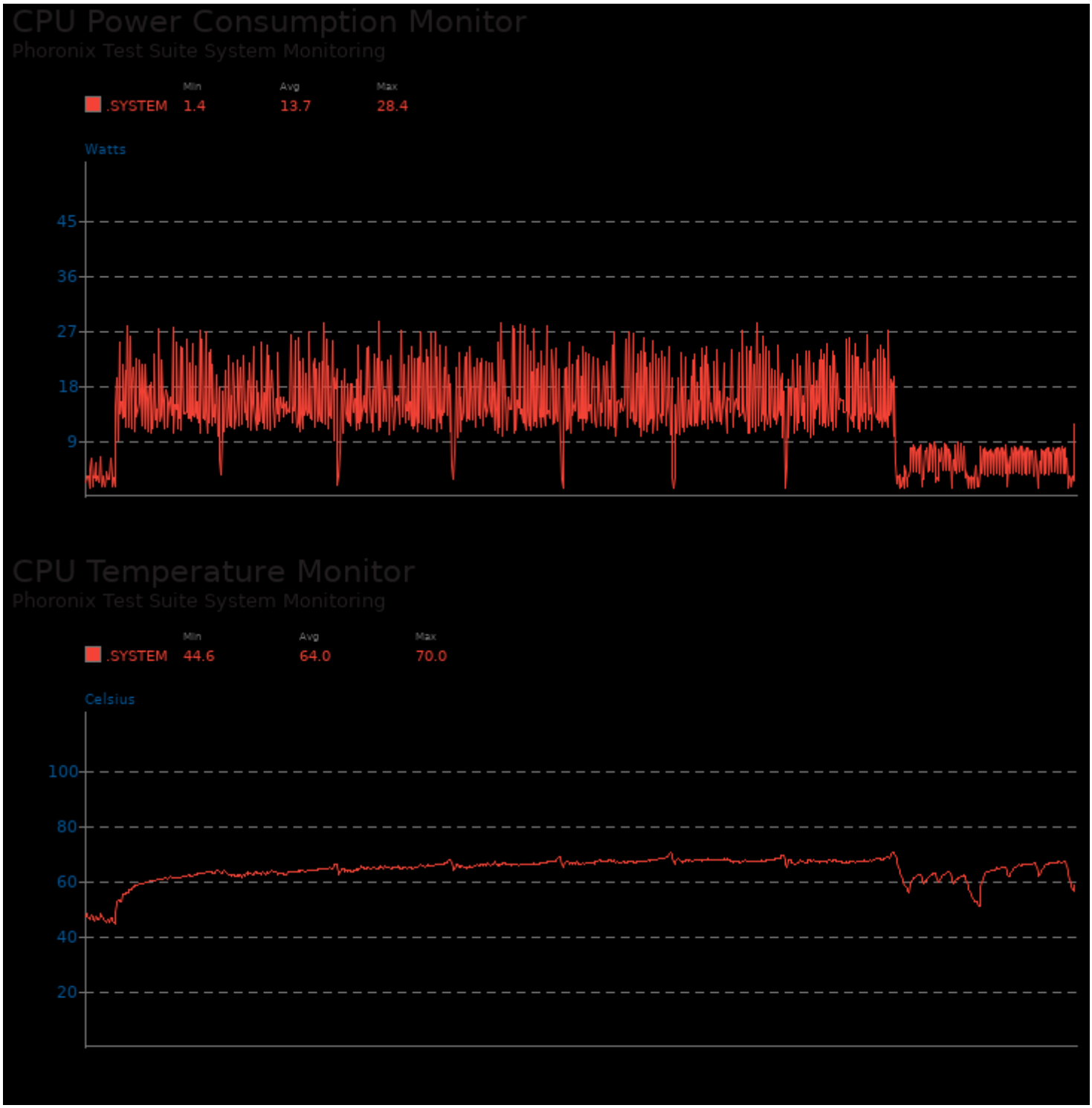

CPU Frequency (CPU3) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
400
2092
4042
Megahertz
5500
4400
3300
2200
1100
CPU Frequency (CPU4) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
400
2082
3912
Megahertz
5000
4000
3000
2000
1000


CPU Frequency (CPU5) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 400 2086 4042
Megahertz
5500
4400
3300
2200
1100
CPU Frequency (CPU6) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 400 2224 4042
Megahertz
5500
4400
3300
2200
1100


CPU Frequency (CPU7) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 400 2145 4043
Megahertz
5500
4400
3300
2200
1100
CPU Frequency (CPU8) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 400 2187 4042
Megahertz
5500
4400
3300
2200
1100


CPU Frequency (CPU9) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
400
2144
4041
Megahertz
5500
4400
3300
2200
1100
CPU Frequency (CPU10) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
400
2142
4041
Megahertz
5500
4400
3300
2200
1100


CPU Frequency (CPU11) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 400 2187 4039
Megahertz
5500
4400
3300
2200
1100
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 400 2674 4043
Megahertz
5500
4400
3300
2200
1100

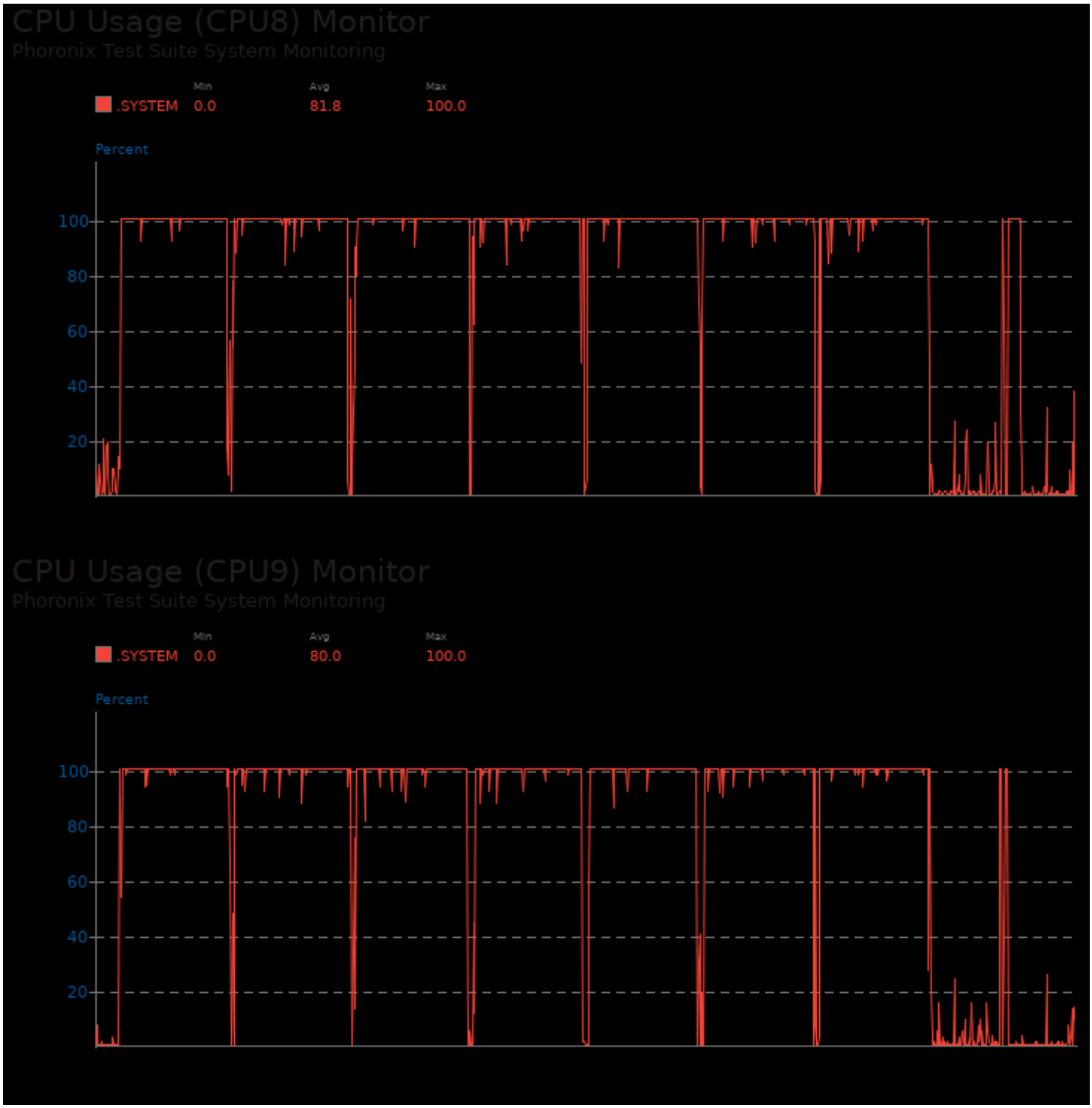

CPU Power Consumption Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 1.4 13.7 28.4
Watts
45
36
27
18
9
CPU Temperature Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 44.6 64.0 70.0
Celsius
100
80
60
40
20

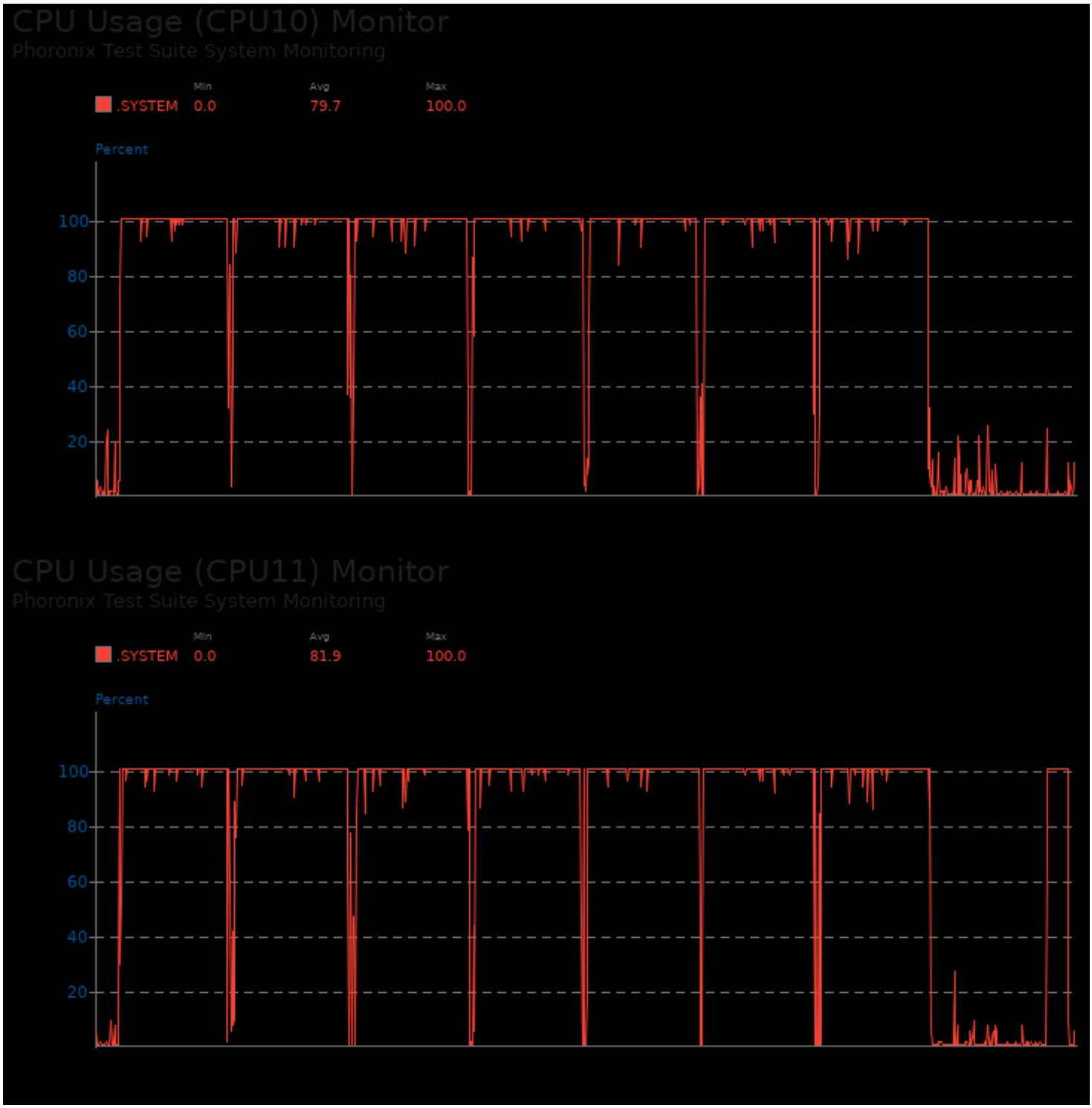

CPU Usage (CPU0) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
0.0
80.8
100.0
Percent
100
80
60
40
20
CPU Usage (CPU1) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
0.0
80.3
100.0
Percent
100
80
60
40
20

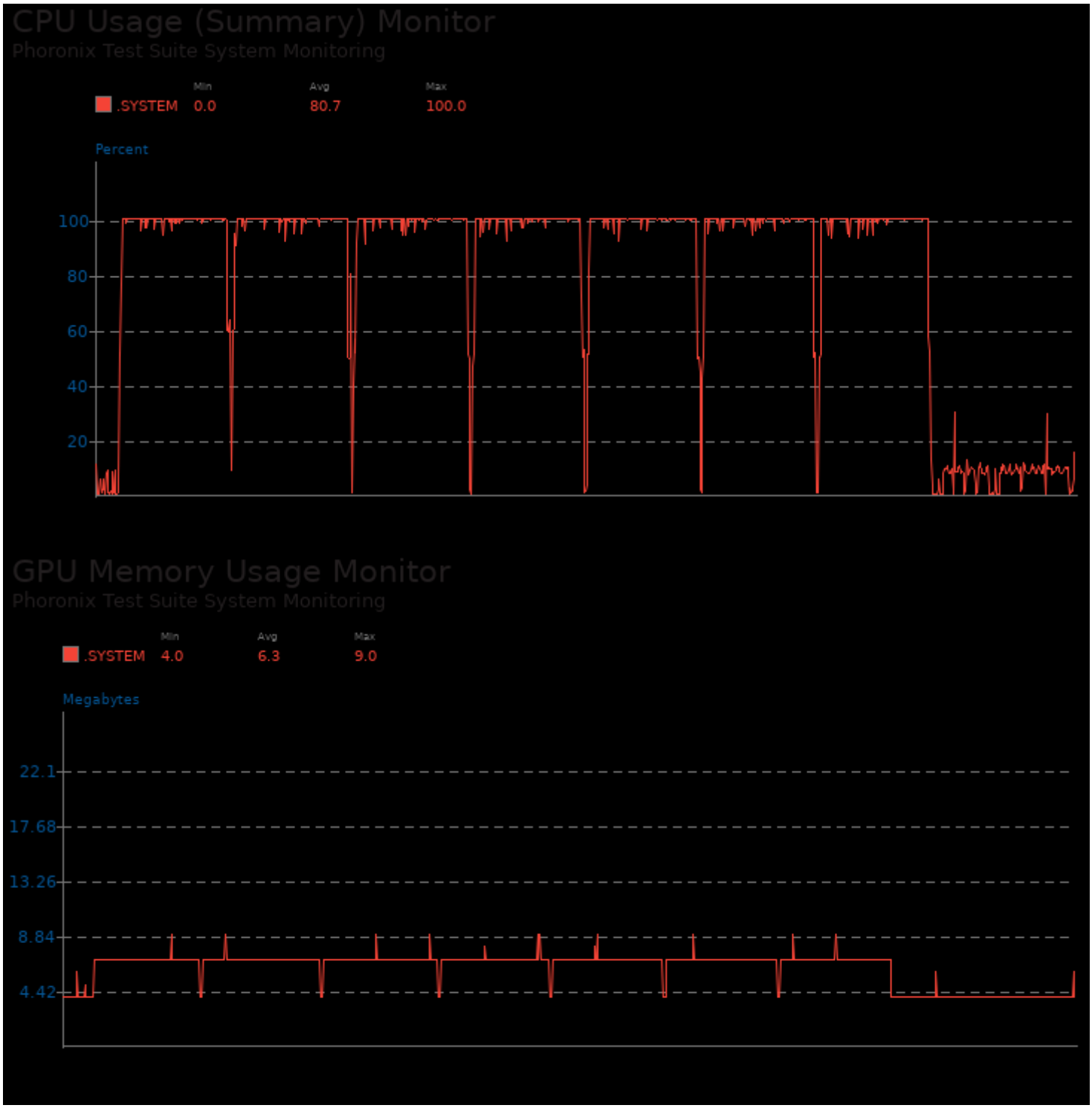

CPU Usage (CPU2) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
0.0
80.6
100.0
Percent
100
80
60
40
20
CPU Usage (CPU3) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
0.0
80.4
100.0
Percent
100
80
60
40
20

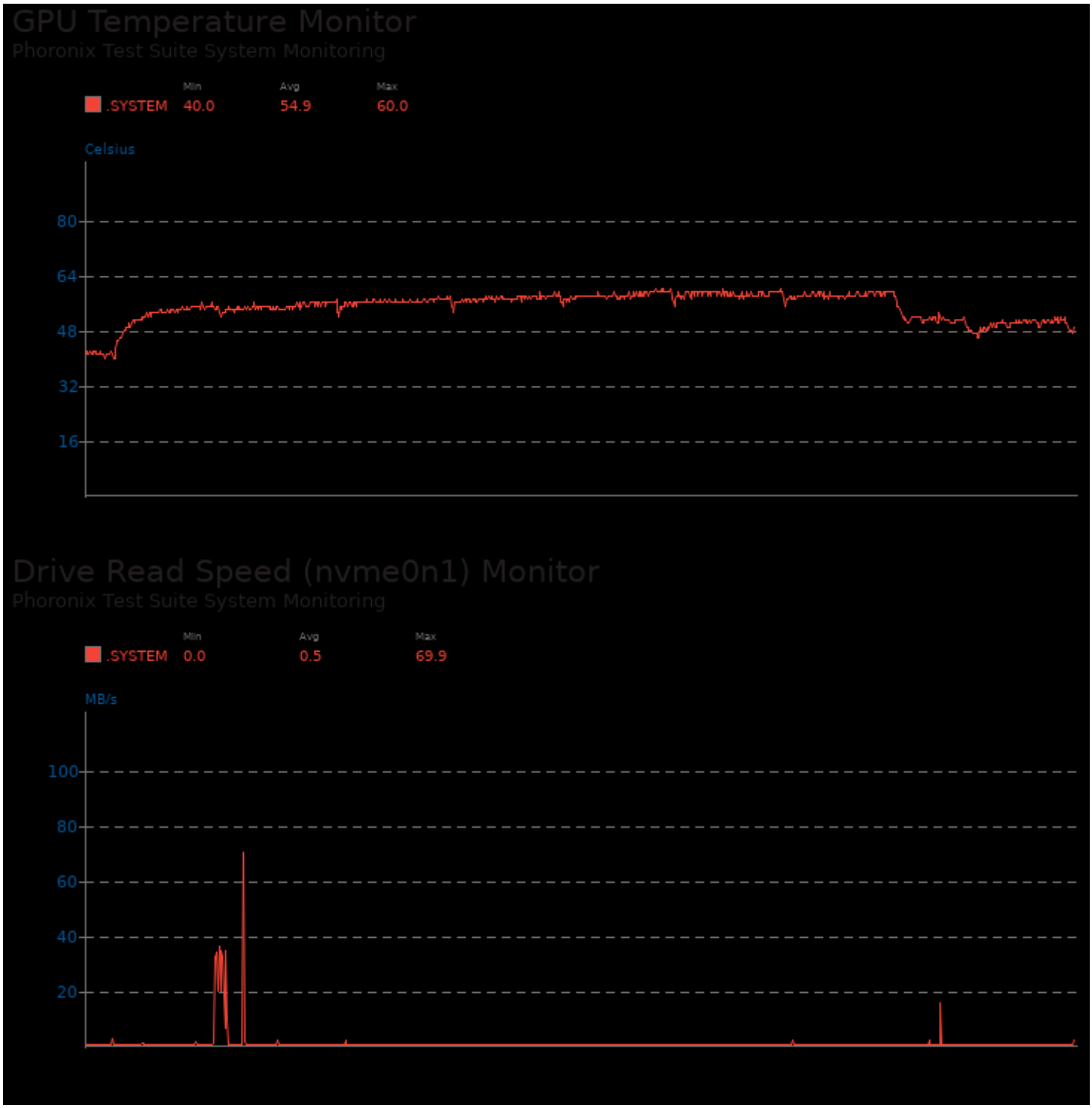

CPU Usage (CPU4) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
0.0
79.9
100.0
Percent
100
80
60
40
20
CPU Usage (CPU5) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
0.0
79.8
100.0
Percent
100
80
60
40
20

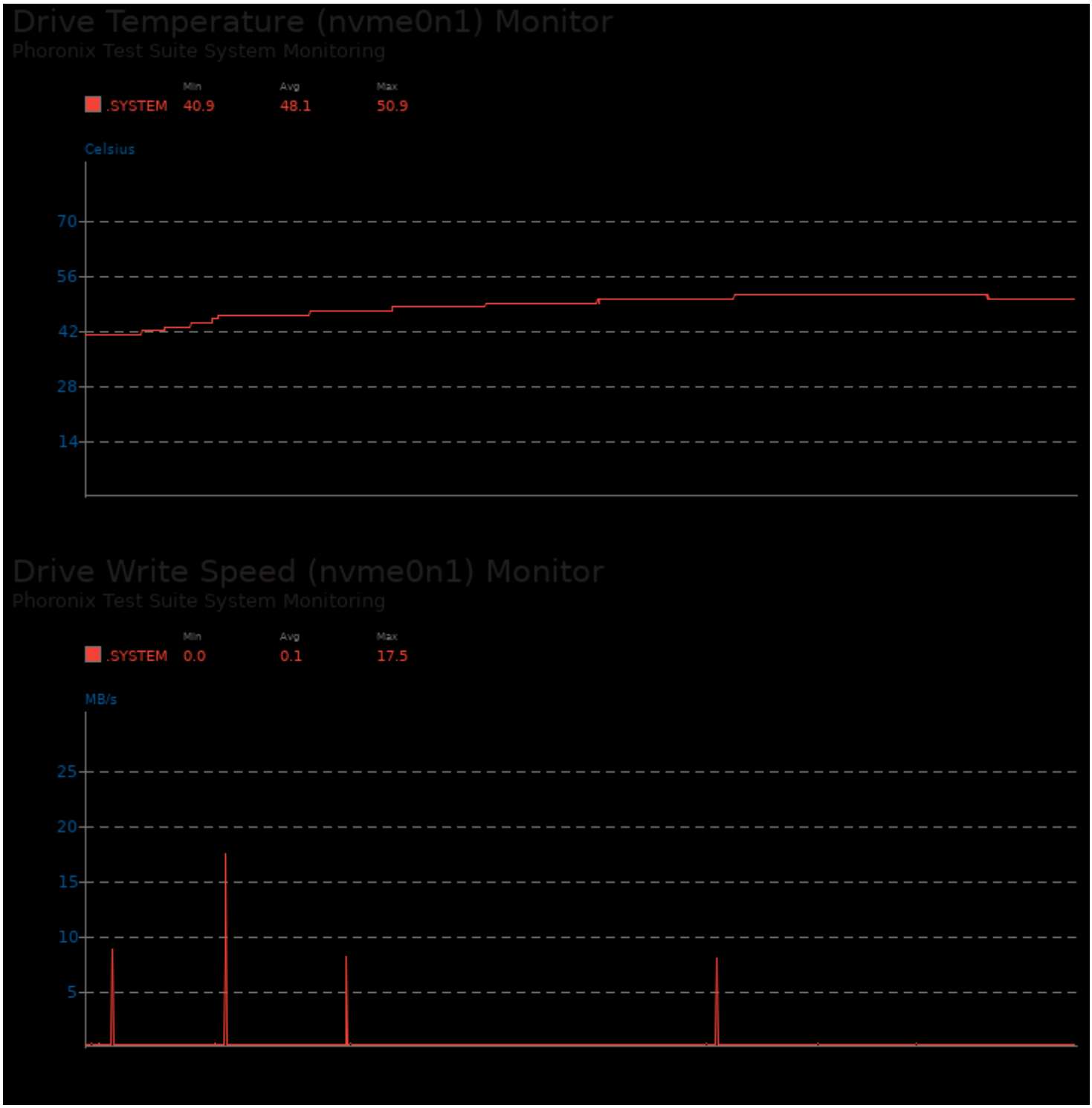

CPU Usage (CPU6) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 0.0 82.8 100.0
Percent
100
80
60
40
20
CPU Usage (CPU7) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 0.0 80.1 100.0
Percent
100
80
60
40
20

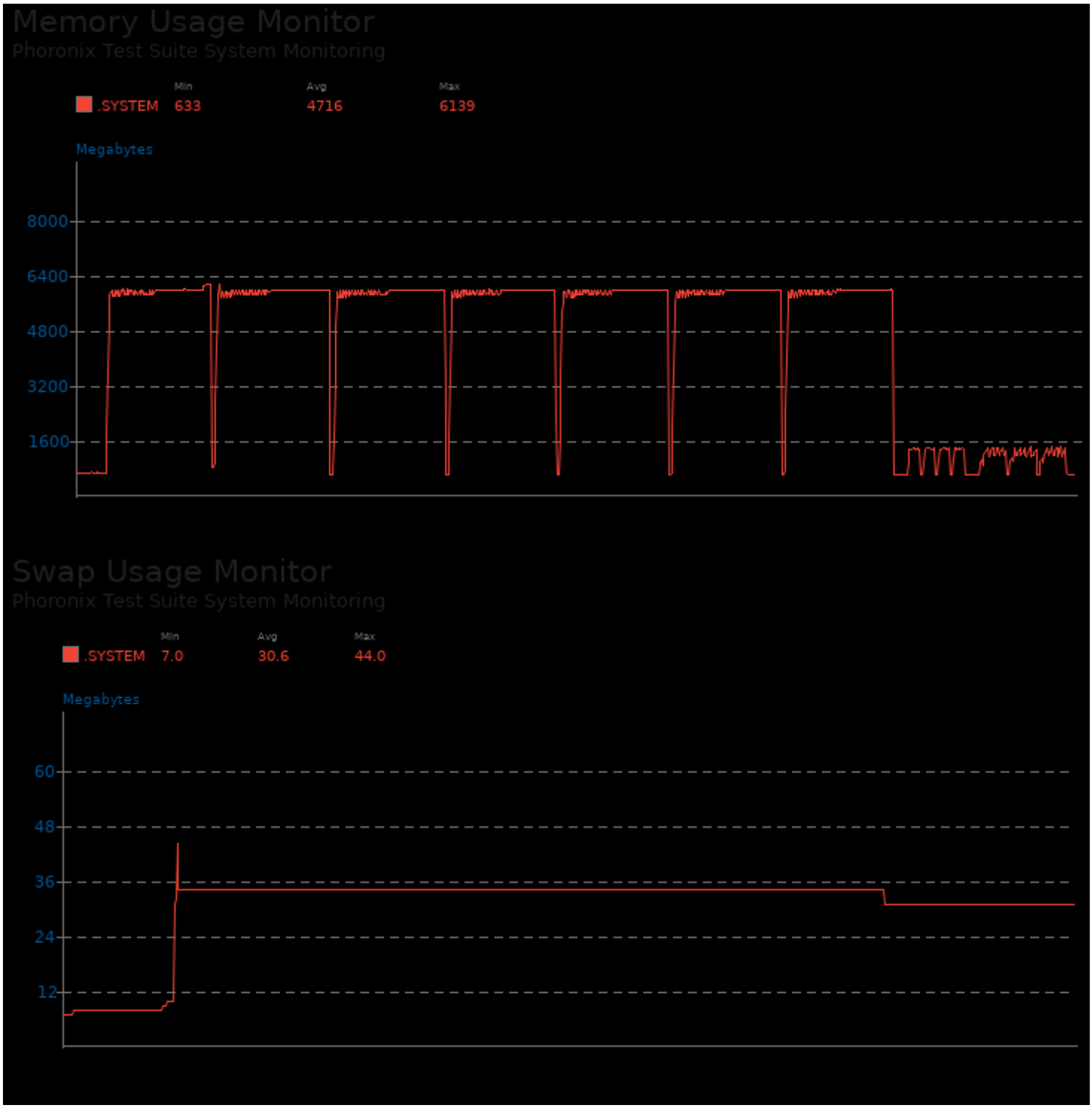

CPU Usage (CPU8) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
0.0
81.8
100.0
Percent
100
80
60
40
20
CPU Usage (CPU9) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
0.0
80.0
100.0
Percent
100
80
60
40
20

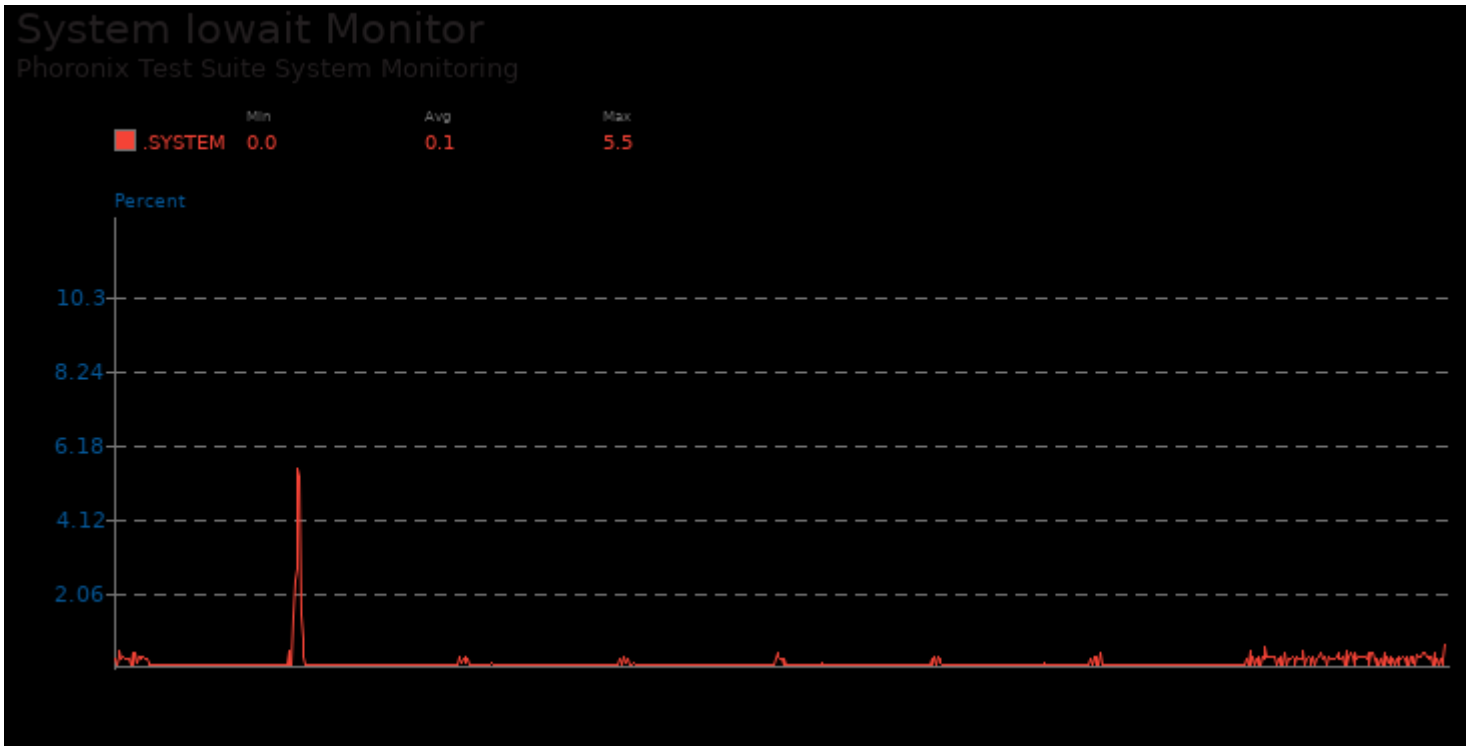

CPU Usage (CPU10) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
0.0
79.7
100.0
Percent
100
80
60
40
20
CPU Usage (CPU11) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
0.0
81.9
100.0
Percent
100
80
60
40
20


CPU Usage (Summary) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
0.0
80.7
100.0
Percent
100
80
60
40
20
GPU Memory Usage Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
4.0
6.3
9.0
Megabytes
22.1
17.68
13.26
8.84
4.42


GPU Temperature Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
40.0
54.9
60.0
Celsius
80
64
48
32
16
Drive Read Speed (nvme0n1) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM
0.0
0.5
69.9
MB/s
100
80
60
40
20


Drive Temperature (nvme0n1) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 40.9 48.1 50.9
Celsius
70
56
42
28
14
Drive Write Speed (nvme0n1) Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 0.0 0.1 17.5
MB/s
25
20
15
10
5


Memory Usage Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 633 4716 6139
Megabytes
8000
6400
4800
3200
1600
Swap Usage Monitor
Phoronix Test Suite System Monitoring
Min
Avg
Max
.SYSTEM 7.0 30.6 44.0
Megabytes
60
48
36
24
12



This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 06:32.