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# link-xonotic-1024

Intel Core i5-3427U testing with a GOOGLE Link v1.0 and Intel Ivybridge Mobile 2GB on Ubuntu 19.10 via the Phoronix Test Suite.

## Test Systems:

### xonotic-all

Processor: Intel Core i5-3427U @ 2.80GHz (2 Cores / 4 Threads), Motherboard: GOOGLE Link v1.0, Chipset: Intel 3rd Gen Core DRAM, Memory: 4096MB, Disk: 32GB SanDisk SSD i100, Graphics: Intel Ivybridge Mobile 2GB (1150MHz), Audio: Creative CA0132, Network: Qualcomm Atheros AR9462

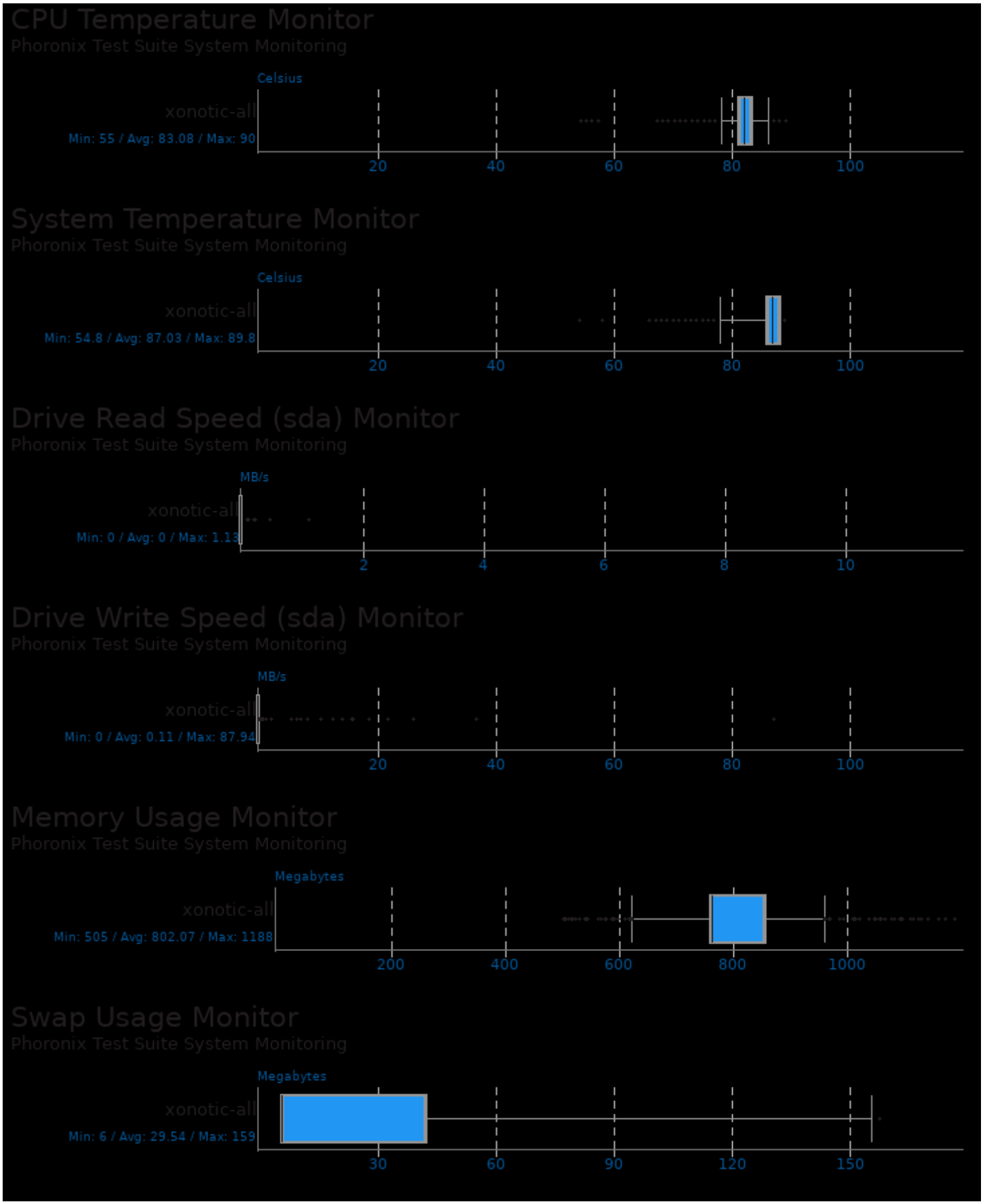
OS: Ubuntu 19.10, Kernel: 5.3.0-19-generic (x86_64), Desktop: KDE Plasma 5.16.5, Display Server: X Server 1.20.5, Display Driver: modesetting 1.20.5, OpenGL: 4.2 Mesa 19.2.1, Compiler: GCC 9.2.1 20191008, File-System: ext4, Screen Resolution: 2560x1700

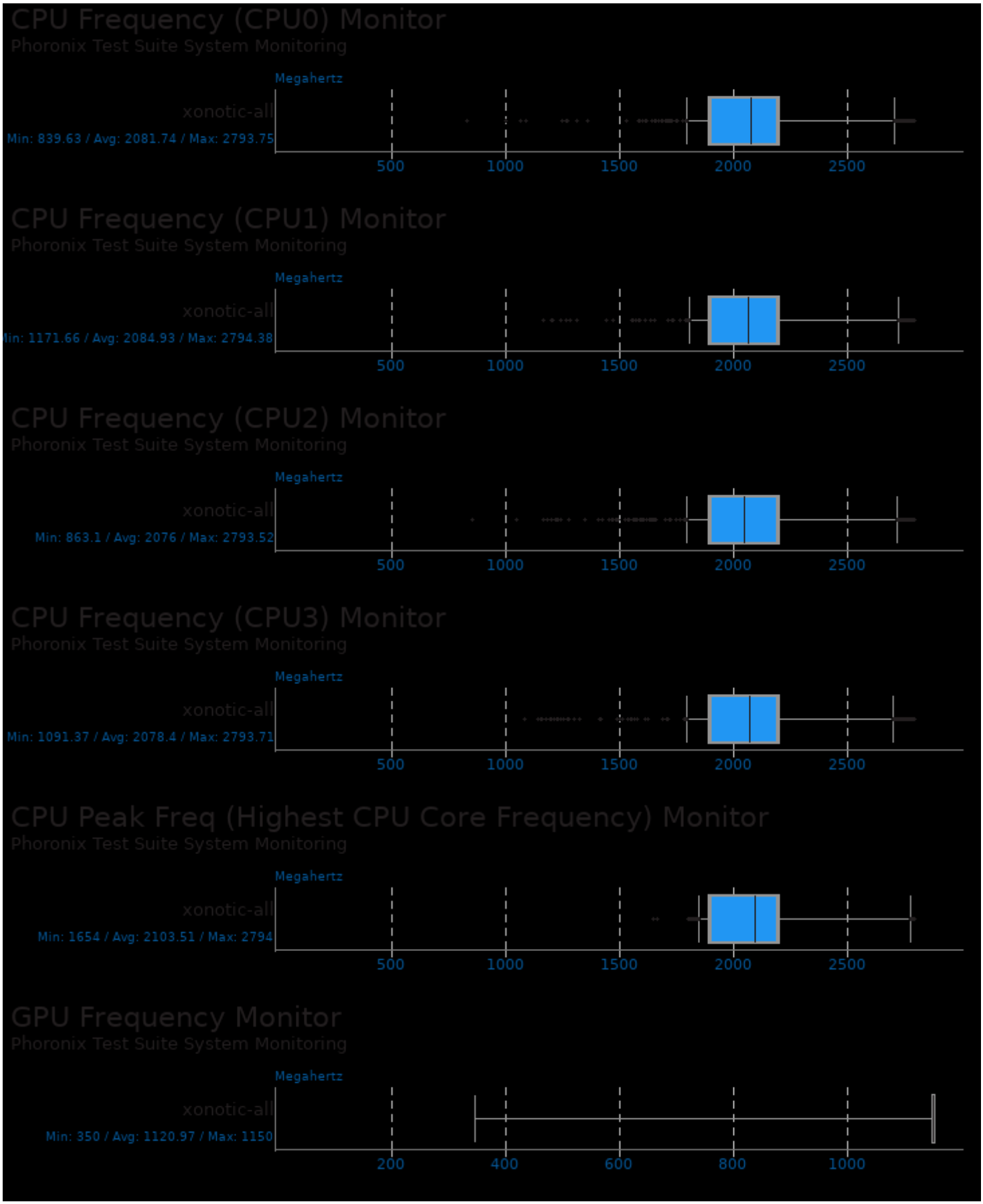
Processor Notes: Scaling Governor: intel_pstate performance
Security Notes: l1tf: Mitigation of PTE Inversion; VMX: conditional cache flushes SMT vulnerable + mds: Mitigation of Clear buffers; SMT vulnerable + meltdown: Mitigation of PTI + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization +

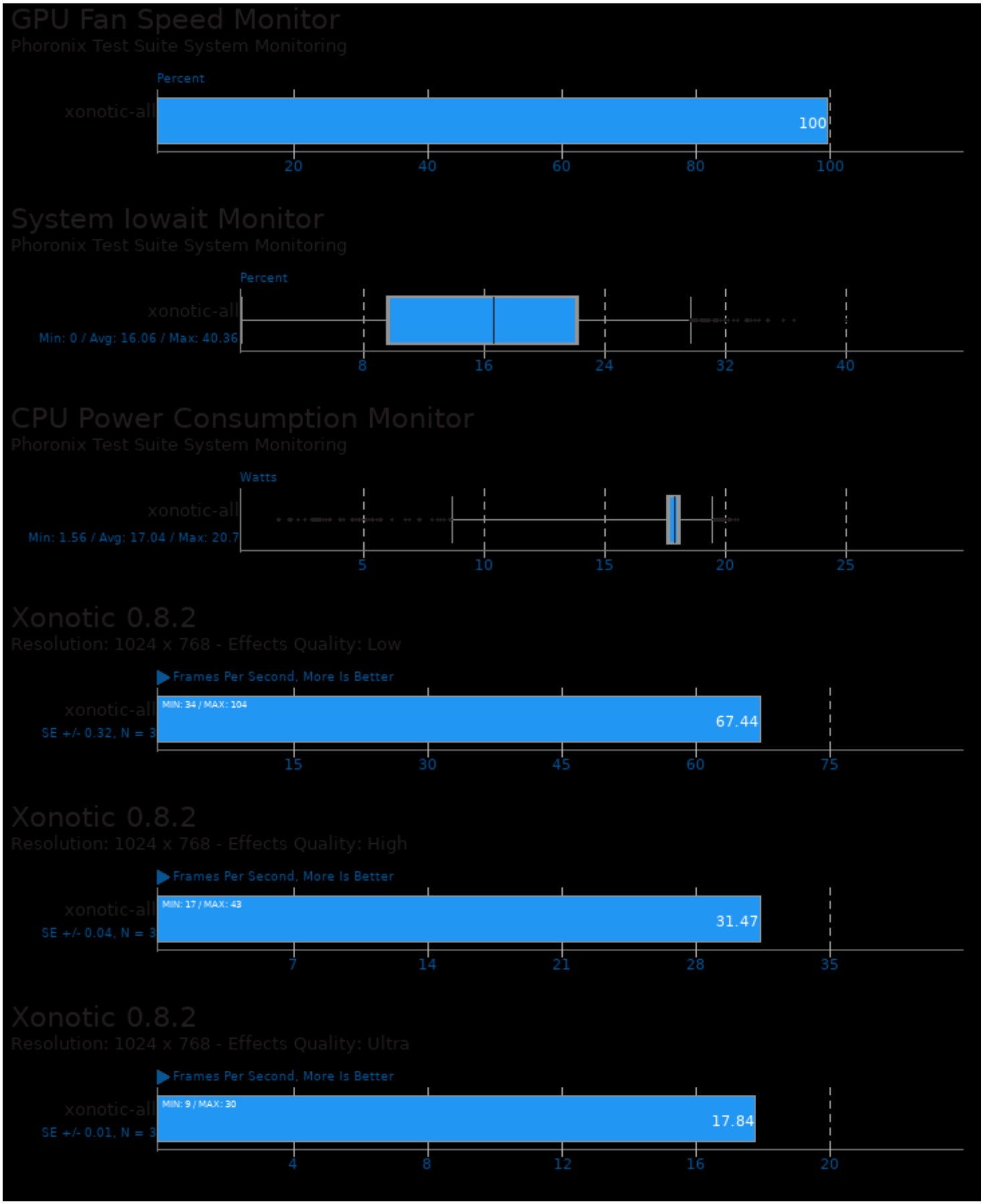
# link-xonotic-1024

spectre_v2: Mitigation of Full generic retpoline IBPB: conditional IBRS_FW STIBP: conditional RSB filling

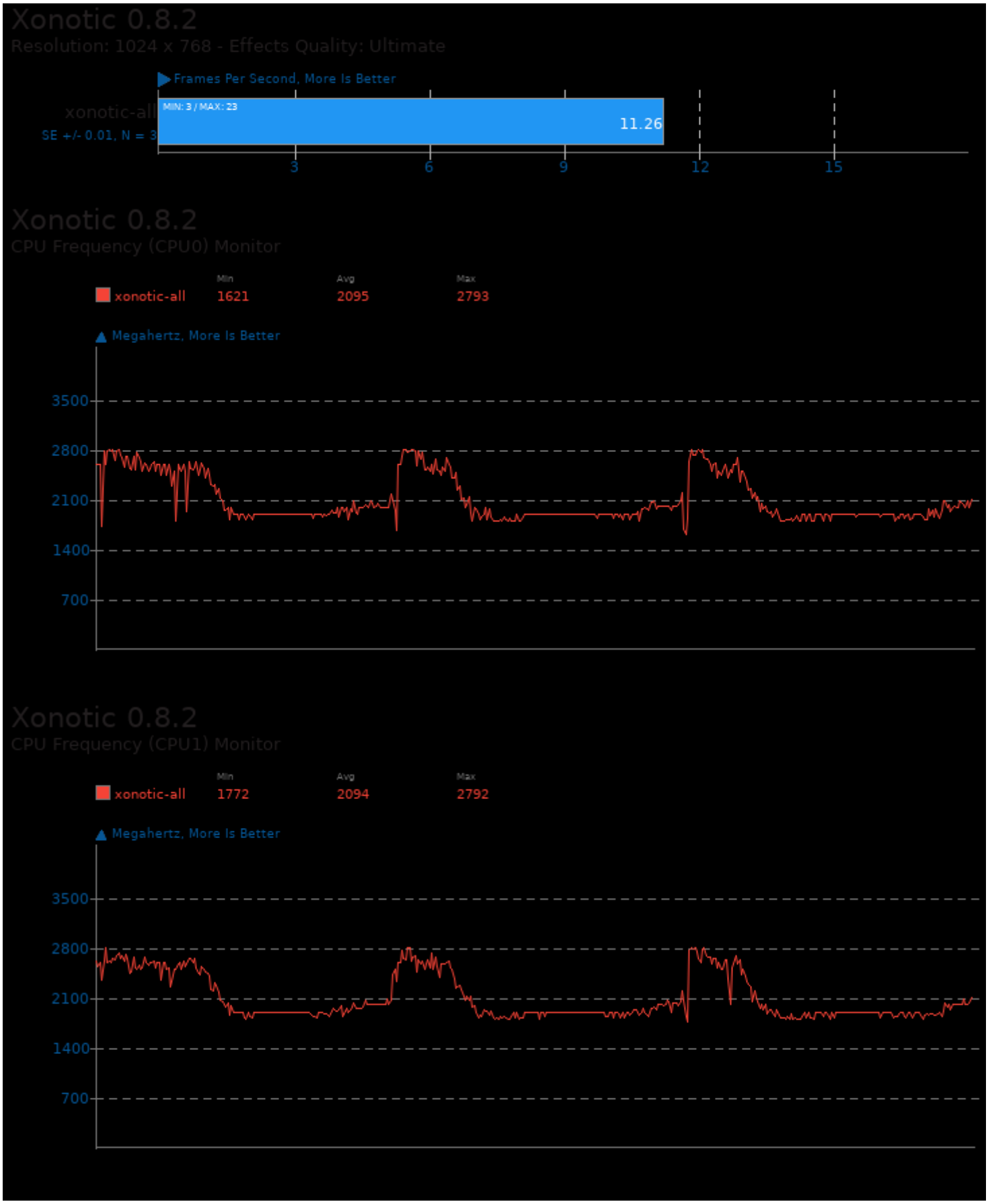
| | xonotic-all |
|---|---|
| **Xonotic - 1024 x 768 - Low (FPS)** | 67.44 |
| **Standard Deviation** | 0.8% |
| **Xonotic - 1024 x 768 - High (FPS)** | 31.47 |
| **Standard Deviation** | 0.2% |
| **Xonotic - 1024 x 768 - Ultra (FPS)** | 17.84 |
| **Standard Deviation** | 0.1% |
| **Xonotic - 1024 x 768 - Ultimate (FPS)** | 11.26 |
| **Standard Deviation** | 0.2% |


CPU Temperature Monitor
Phoronix Test Suite System Monitoring
Celsius
xonotic-all
Min: 55 / Avg: 83.08 / Max: 90
20
40
60
80
100
System Temperature Monitor
Phoronix Test Suite System Monitoring
Celsius
xonotic-all
Min: 54.8 / Avg: 87.03 / Max: 89.8
20
40
60
80
100
Drive Read Speed (sda) Monitor
Phoronix Test Suite System Monitoring
MB/s
xonotic-all
Min: 0 / Avg: 0 / Max: 1.13
2
4
6
8
10
Drive Write Speed (sda) Monitor
Phoronix Test Suite System Monitoring
MB/s
xonotic-all
Min: 0 / Avg: 0.11 / Max: 87.94
20
40
60
80
100
Memory Usage Monitor
Phoronix Test Suite System Monitoring
Megabytes
xonotic-all
Min: 505 / Avg: 802.07 / Max: 1188
200
400
600
800
1000
Swap Usage Monitor
Phoronix Test Suite System Monitoring
Megabytes
xonotic-all
Min: 6 / Avg: 29.54 / Max: 159
30
60
90
120
150

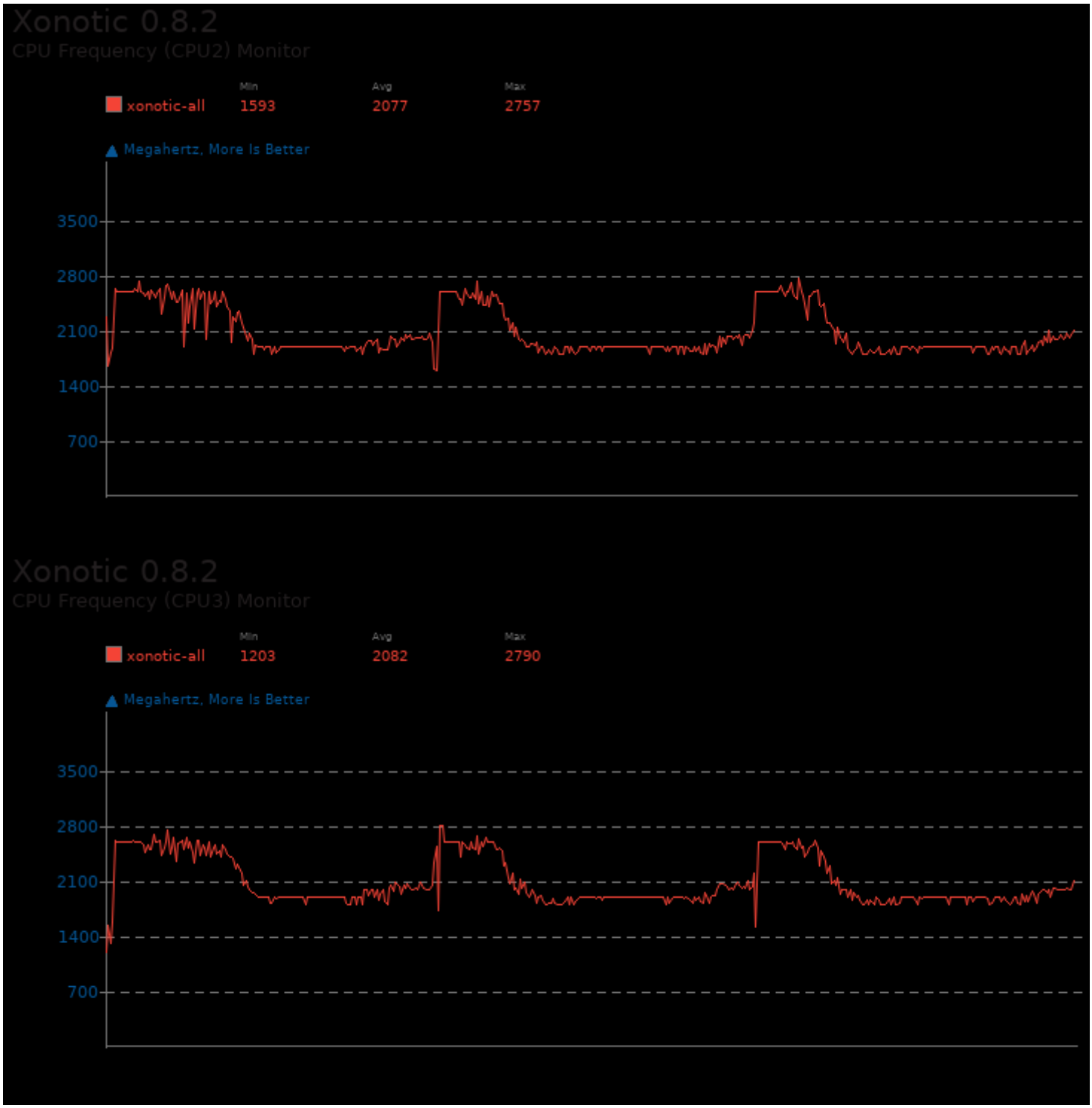

CPU Frequency (CPU0) Monitor
Phoronix Test Suite System Monitoring
Megahertz
xonotic-all
Min: 839.63 / Avg: 2081.74 / Max: 2793.75
500
1000
1500
2000
2500
CPU Frequency (CPU1) Monitor
Phoronix Test Suite System Monitoring
Megahertz
xonotic-all
in: 1171.66 / Avg: 2084.93 / Max: 2794.38
500
1000
1500
2000
2500
CPU Frequency (CPU2) Monitor
Phoronix Test Suite System Monitoring
Megahertz
xonotic-all
Min: 863.1 / Avg: 2076 / Max: 2793.52
500
1000
1500
2000
2500
CPU Frequency (CPU3) Monitor
Phoronix Test Suite System Monitoring
Megahertz
xonotic-all
Min: 1091.37 / Avg: 2078.4 / Max: 2793.71
500
1000
1500
2000
2500
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Phoronix Test Suite System Monitoring
Megahertz
xonotic-all
Min: 1654 / Avg: 2103.51 / Max: 2794
500
1000
1500
2000
2500
GPU Frequency Monitor
Phoronix Test Suite System Monitoring
Megahertz
xonotic-all
Min: 350 / Avg: 1120.97 / Max: 1150
200
400
600
800
1000


GPU Fan Speed Monitor
Phoronix Test Suite System Monitoring
Percent
xonotic-all
100
20
40
60
80
100
System Iowait Monitor
Phoronix Test Suite System Monitoring
Percent
xonotic-all
Min: 0 / Avg: 16.06 / Max: 40.36
8
16
24
32
40
CPU Power Consumption Monitor
Phoronix Test Suite System Monitoring
Watts
xonotic-all
Min: 1.56 / Avg: 17.04 / Max: 20.7
5
10
15
20
25
Xonotic 0.8.2
Resolution: 1024 x 768 - Effects Quality: Low
Frames Per Second, More Is Better
xonotic-all
MIN: 34 / MAX: 104
SE +/- 0.32, N = 3
67.44
15
30
45
60
75
Xonotic 0.8.2
Resolution: 1024 x 768 - Effects Quality: High
Frames Per Second, More Is Better
xonotic-all
MIN: 17 / MAX: 43
SE +/- 0.04, N = 3
31.47
7
14
21
28
35
Xonotic 0.8.2
Resolution: 1024 x 768 - Effects Quality: Ultra
Frames Per Second, More Is Better
xonotic-all
MIN: 9 / MAX: 30
SE +/- 0.01, N = 3
17.84
4
8
12
16
20

# link-xonotic-1024

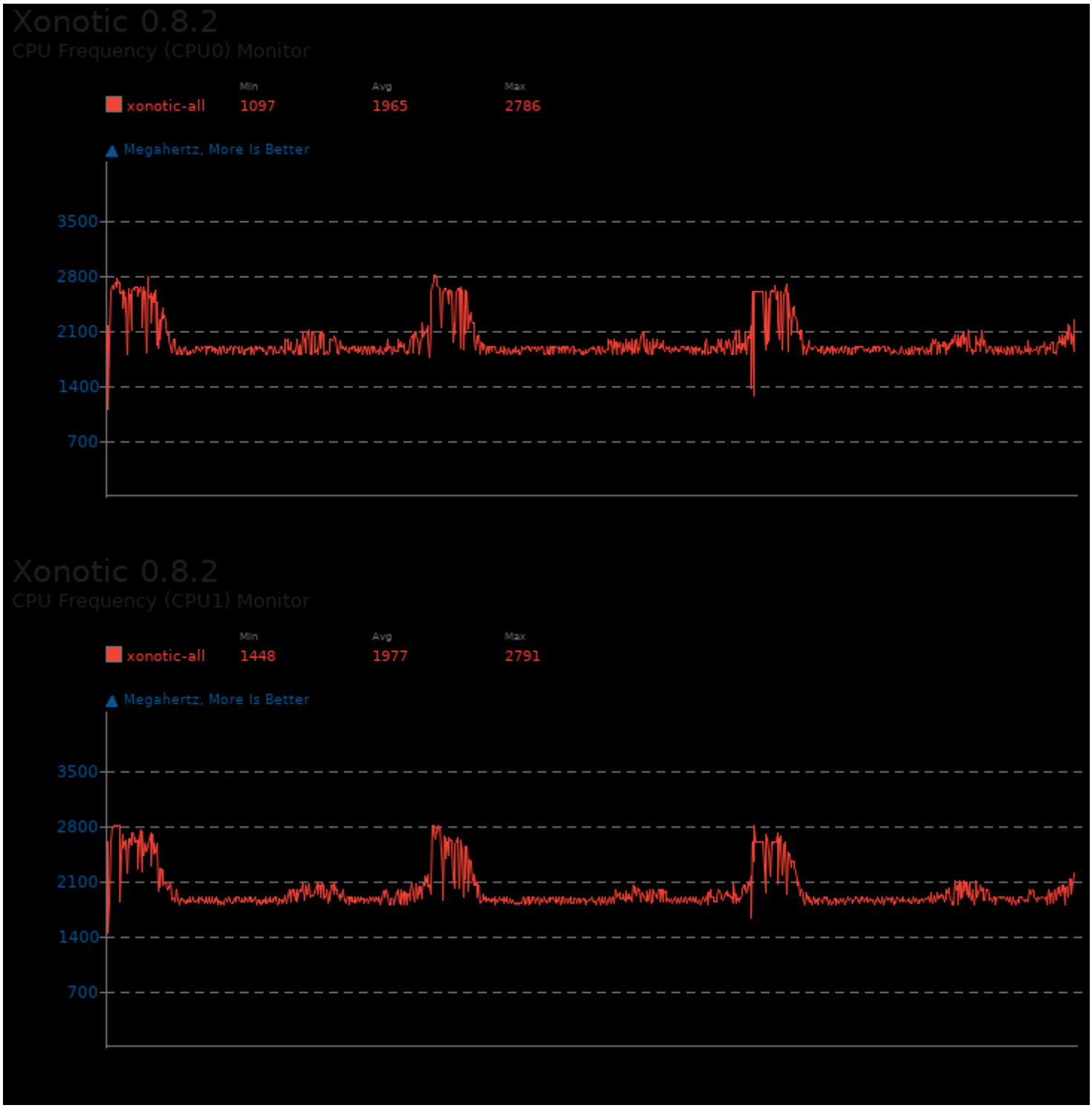


# link-xonotic-1024

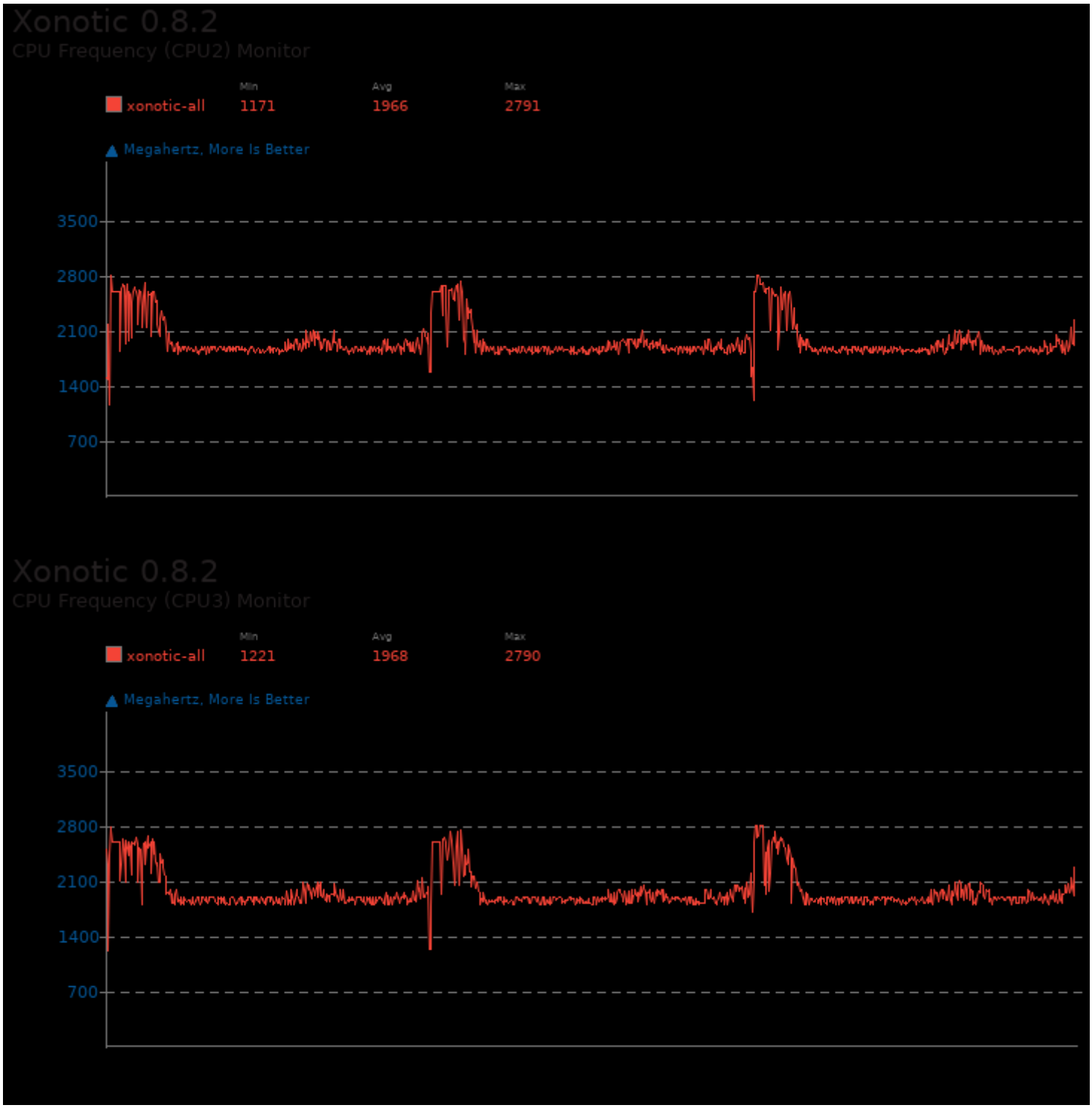



Xonotic 0.8.2
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
xonotic-all
1654
2122
2790
Megahertz, More Is Better
3500
2800
2100
1400
700
Xonotic 0.8.2
GPU Frequency Monitor
Min
Avg
Max
xonotic-all
350
1084
1150
Megahertz, More Is Better
1000
800
600
400
200

# link-xonotic-1024

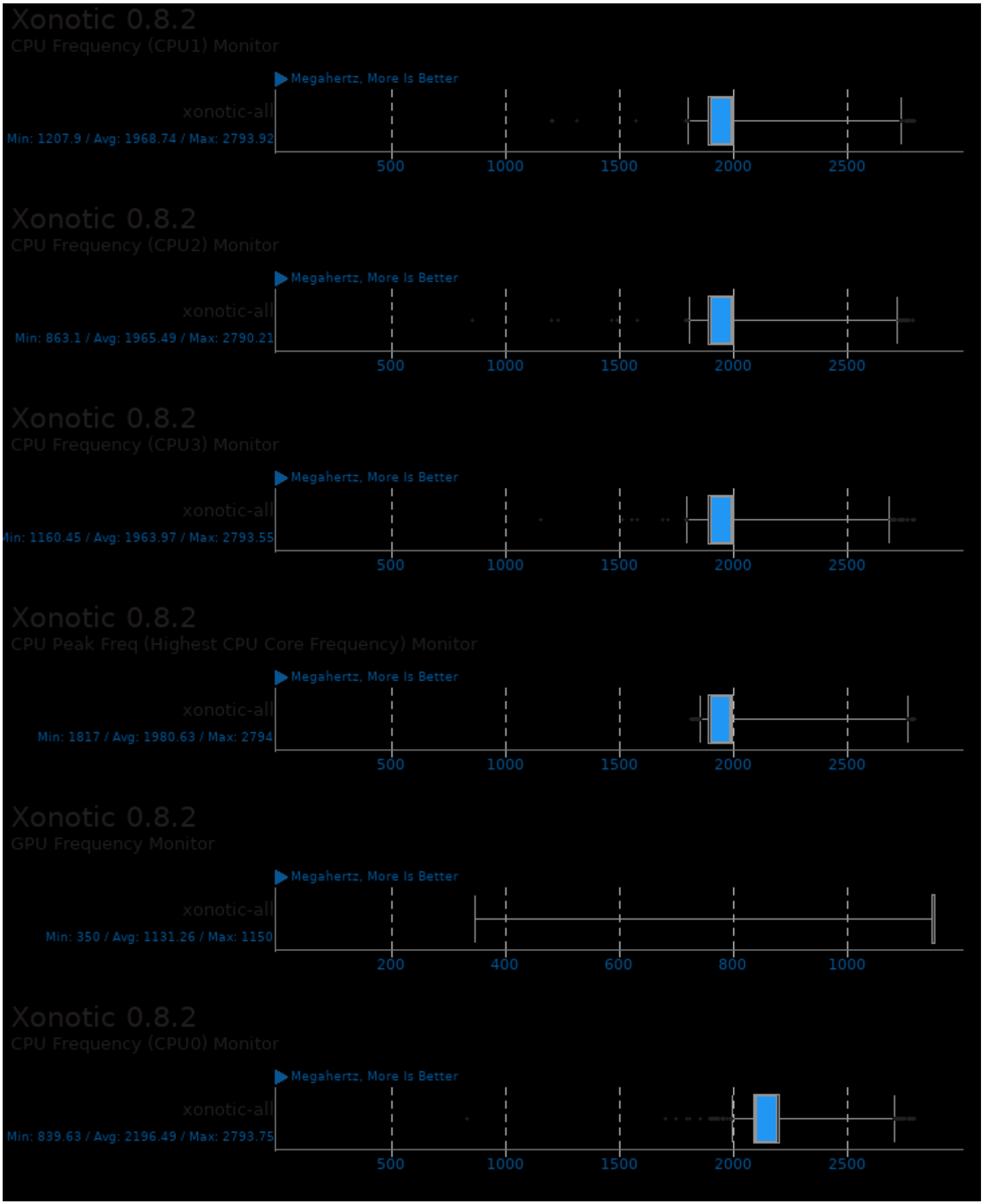


# link-xonotic-1024

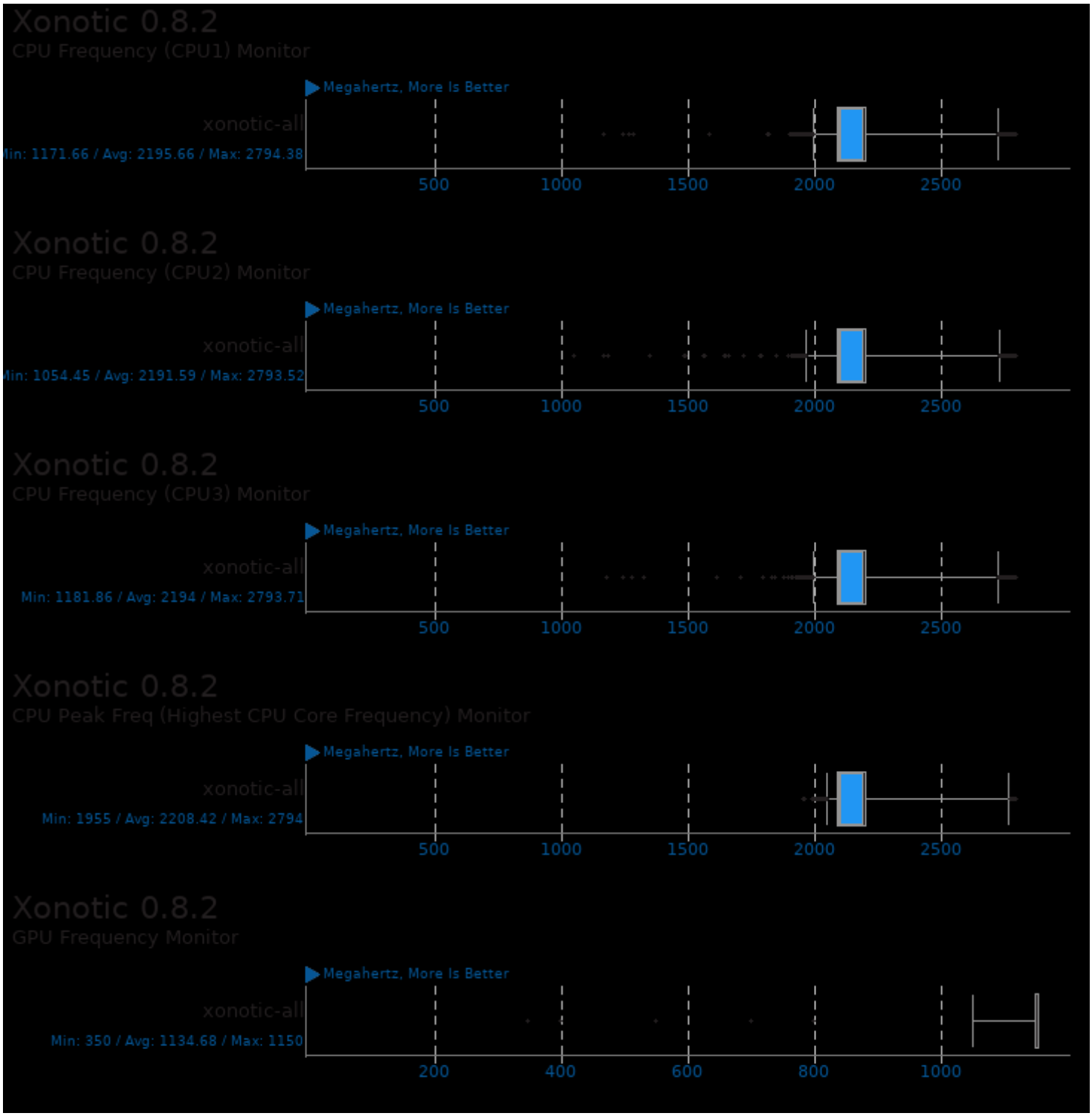


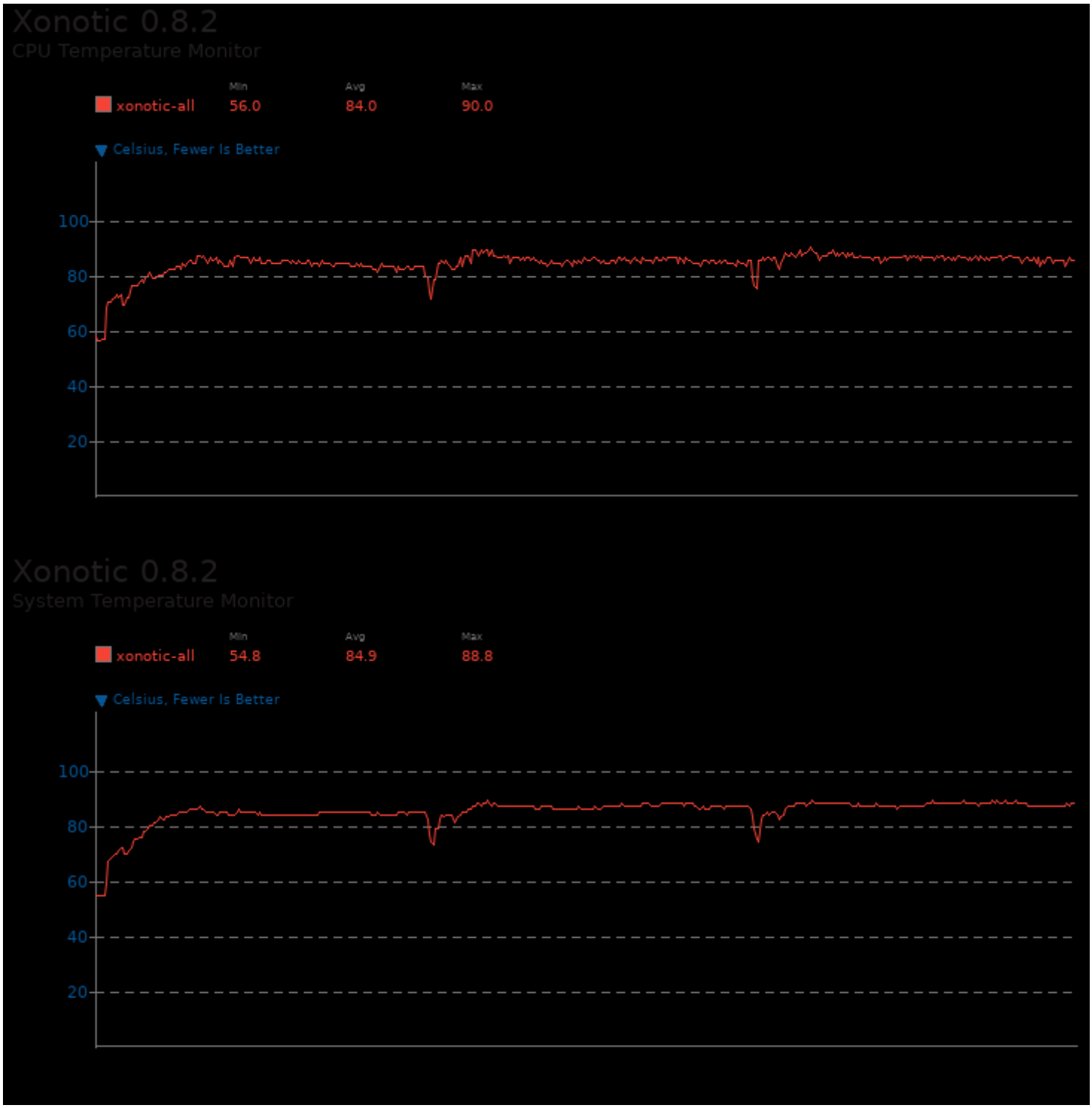
# link-xonotic-1024

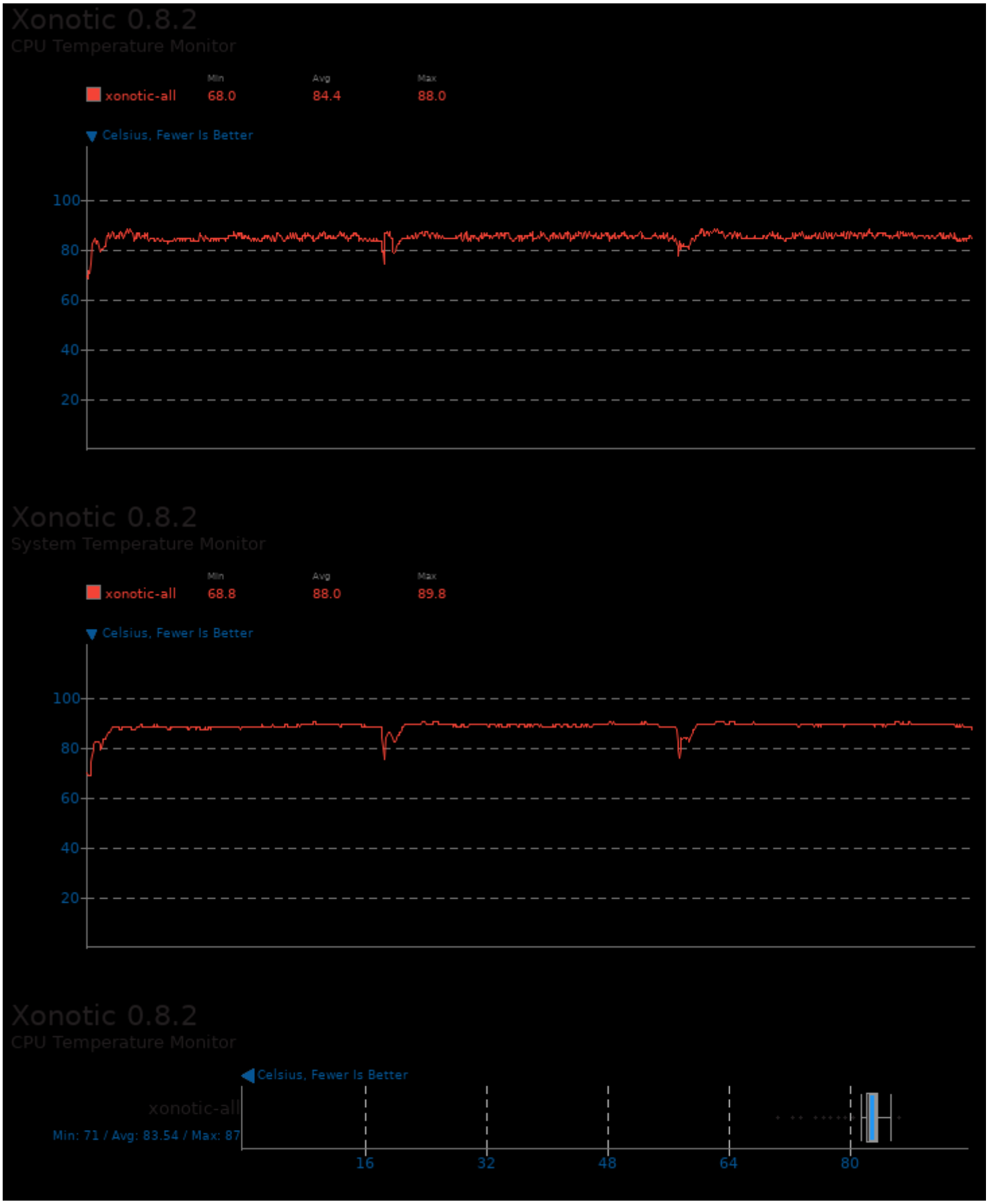



Xonotic 0.8.2
CPU Frequency (CPU1) Monitor
Megahertz, More Is Better
xonotic-all
Min: 1207.9 / Avg: 1968.74 / Max: 2793.92
500
1000
1500
2000
2500
Xonotic 0.8.2
CPU Frequency (CPU2) Monitor
Megahertz, More Is Better
xonotic-all
Min: 863.1 / Avg: 1965.49 / Max: 2790.21
500
1000
1500
2000
2500
Xonotic 0.8.2
CPU Frequency (CPU3) Monitor
Megahertz, More Is Better
xonotic-all
in: 1160.45 / Avg: 1963.97 / Max: 2793.55
500
1000
1500
2000
2500
Xonotic 0.8.2
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Megahertz, More Is Better
xonotic-all
Min: 1817 / Avg: 1980.63 / Max: 2794
500
1000
1500
2000
2500
Xonotic 0.8.2
GPU Frequency Monitor
Megahertz, More Is Better
xonotic-all
Min: 350 / Avg: 1131.26 / Max: 1150
200
400
600
800
1000
Xonotic 0.8.2
CPU Frequency (CPU0) Monitor
Megahertz, More Is Better
xonotic-all
Min: 839.63 / Avg: 2196.49 / Max: 2793.75
500
1000
1500
2000
2500

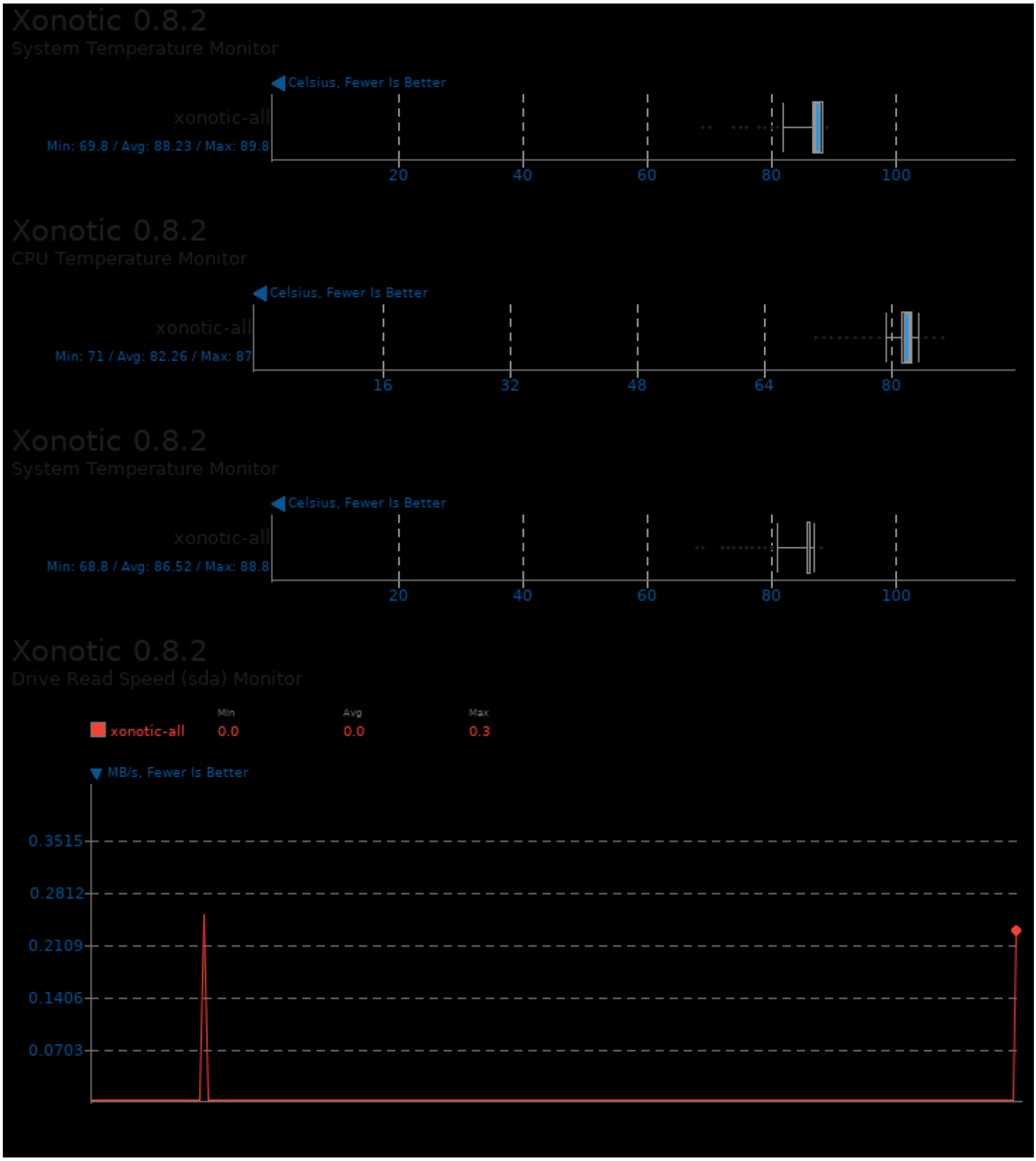
# link-xonotic-1024



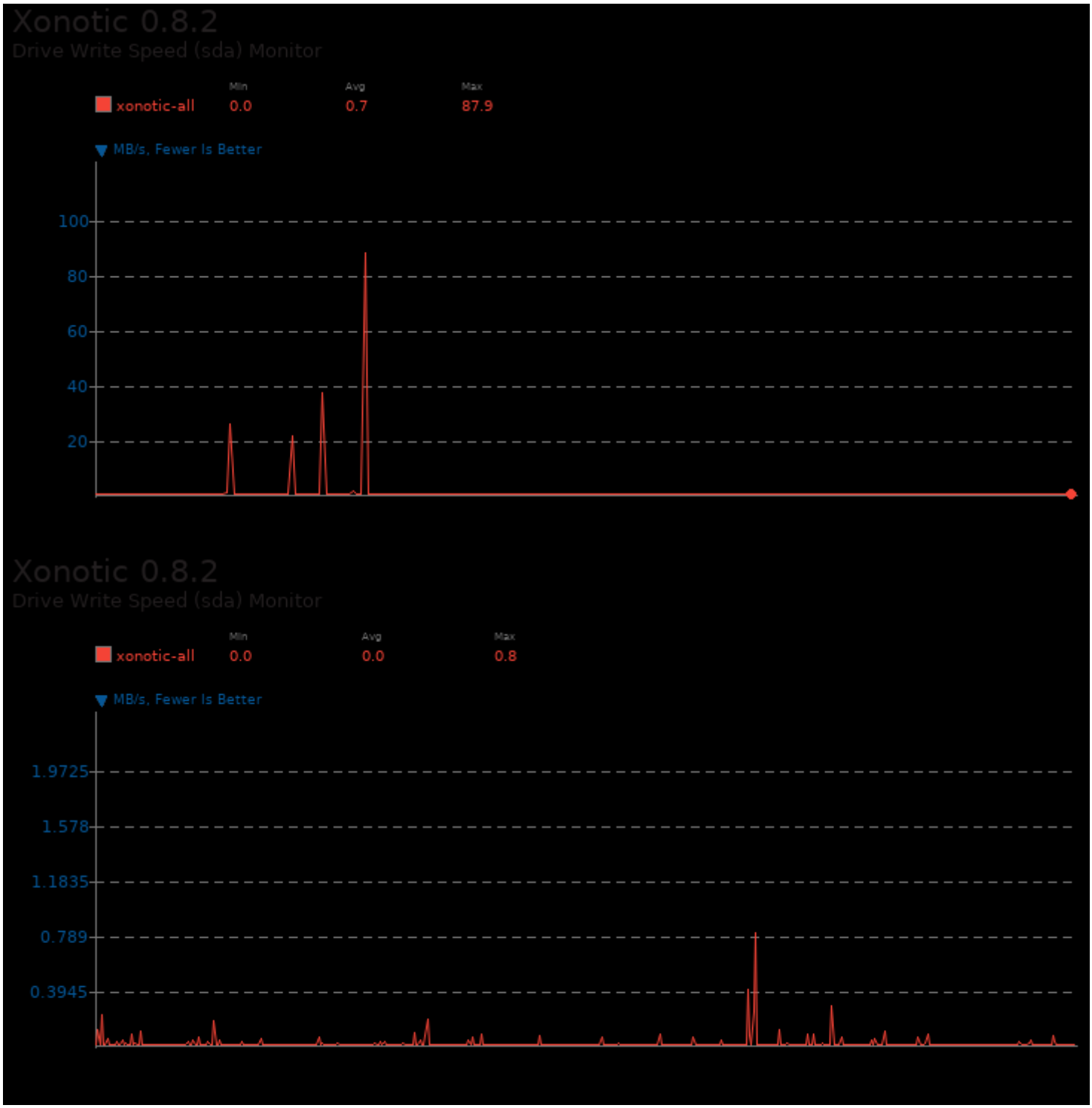

Xonotic 0.8.2
CPU Temperature Monitor
Min
Avg
Max
xonotic-all
56.0
84.0
90.0
Celsius, Fewer Is Better
100
80
60
40
20
Xonotic 0.8.2
System Temperature Monitor
Min
Avg
Max
xonotic-all
54.8
84.9
88.8
Celsius, Fewer Is Better
100
80
60
40
20


Xonotic 0.8.2
CPU Temperature Monitor
Min
Avg
Max
xonotic-all
68.0
84.4
88.0
Celsius, Fewer Is Better
100
80
60
40
20
Xonotic 0.8.2
System Temperature Monitor
Min
Avg
Max
xonotic-all
68.8
88.0
89.8
Celsius, Fewer Is Better
100
80
60
40
20
Xonotic 0.8.2
CPU Temperature Monitor
Celsius, Fewer Is Better
xonotic-all
Min: 71 / Avg: 83.54 / Max: 87
16
32
48
64
80

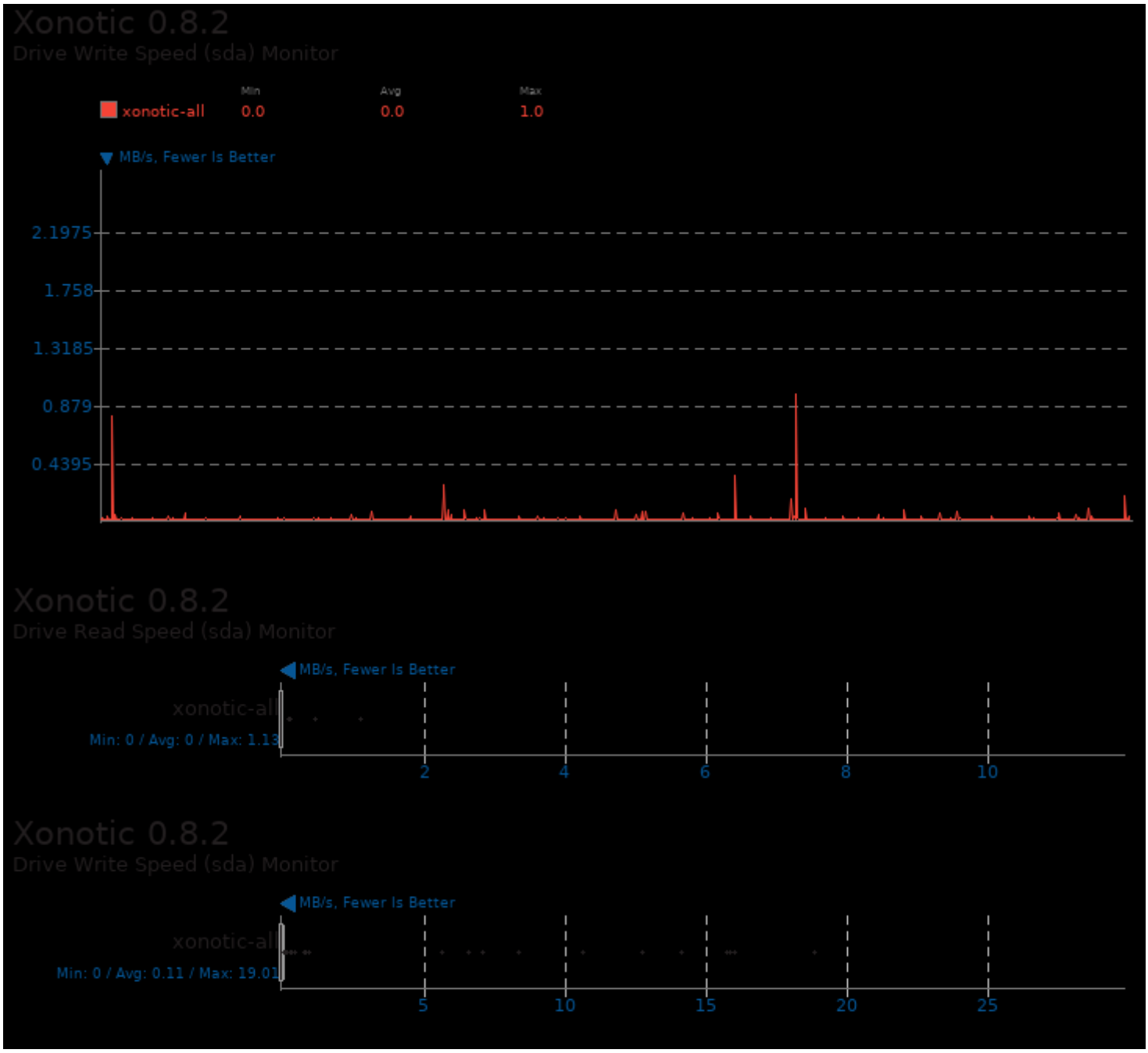
# link-xonotic-1024



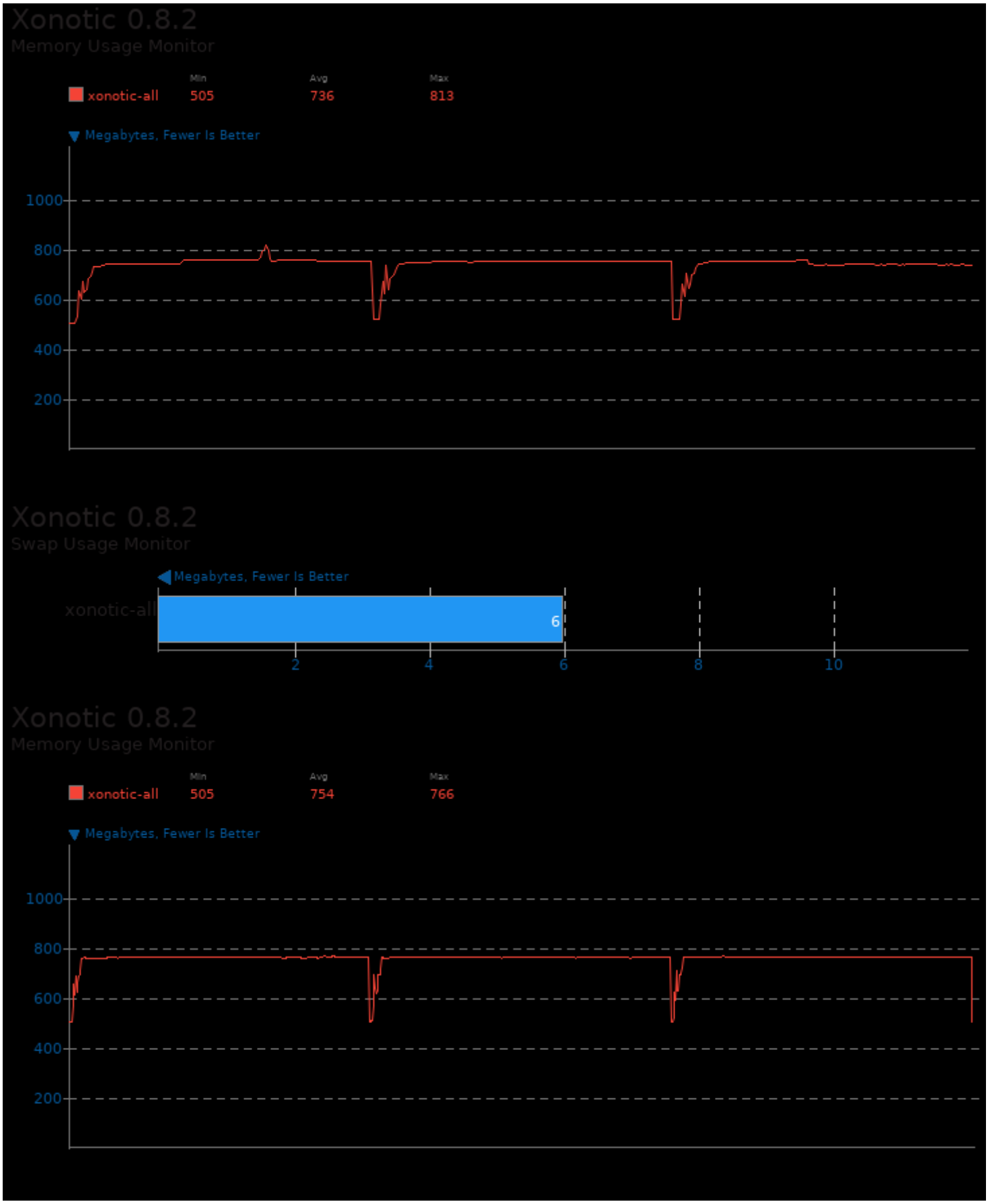
# link-xonotic-1024



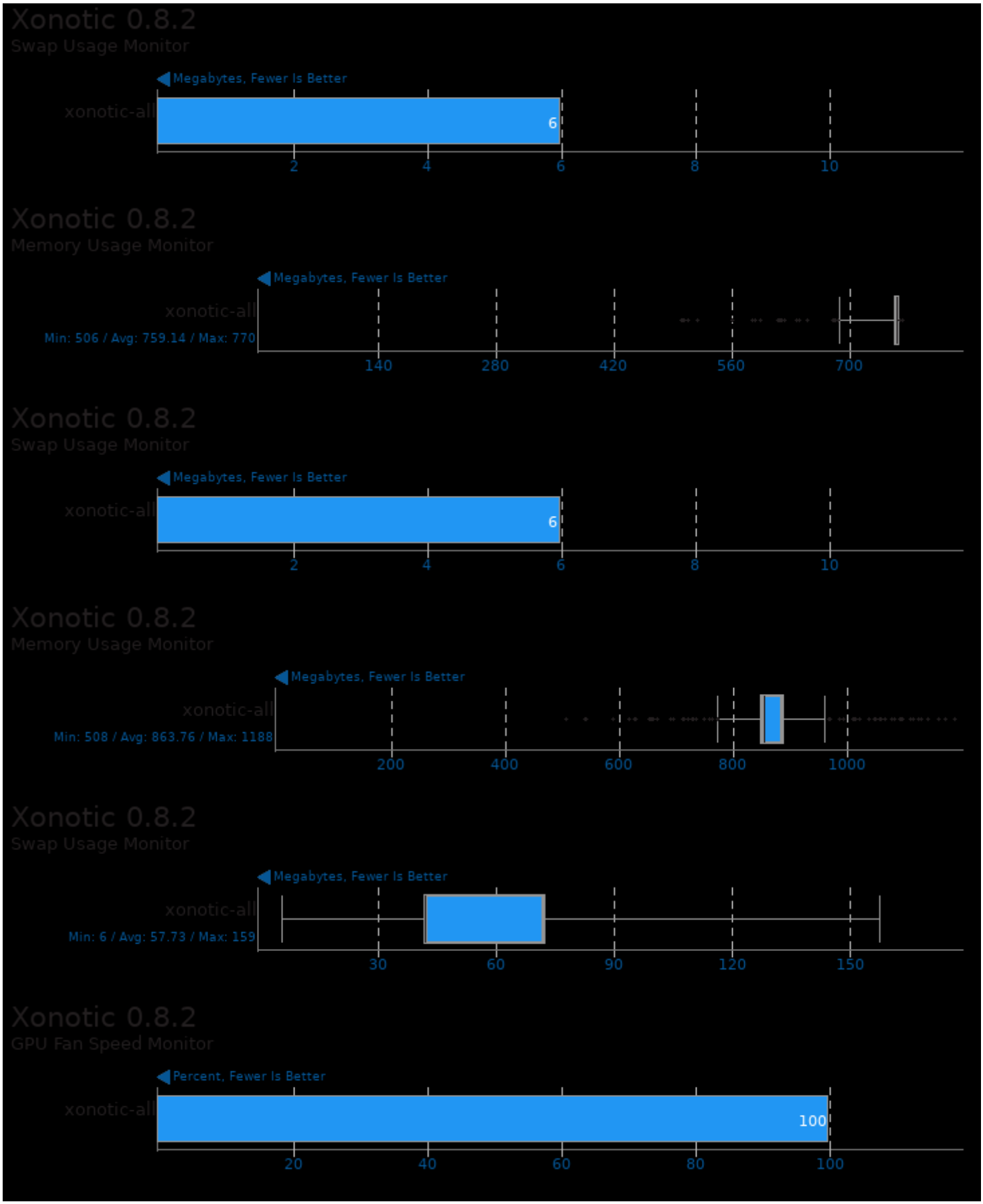
# link-xonotic-1024

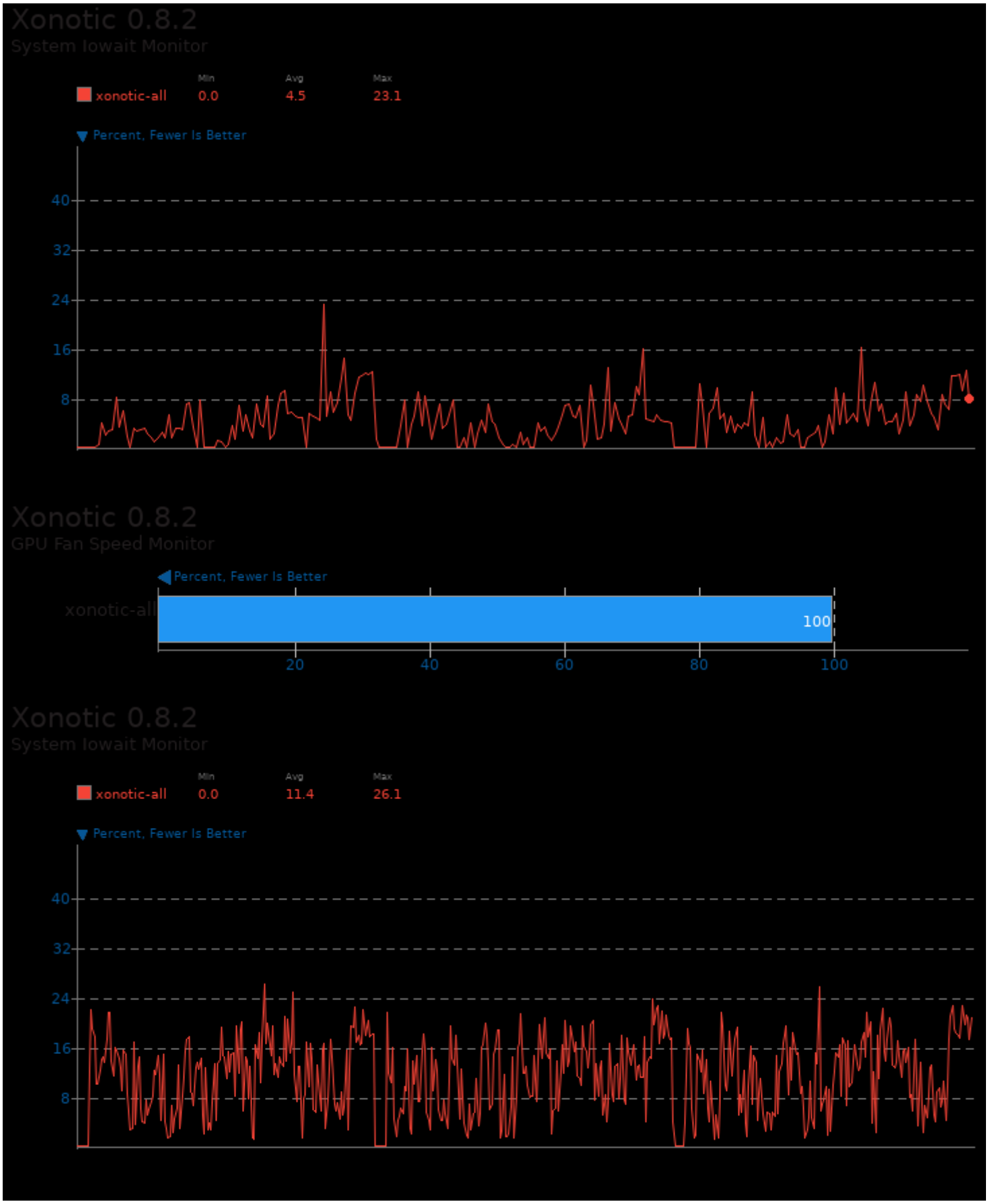


# link-xonotic-1024



# link-xonotic-1024



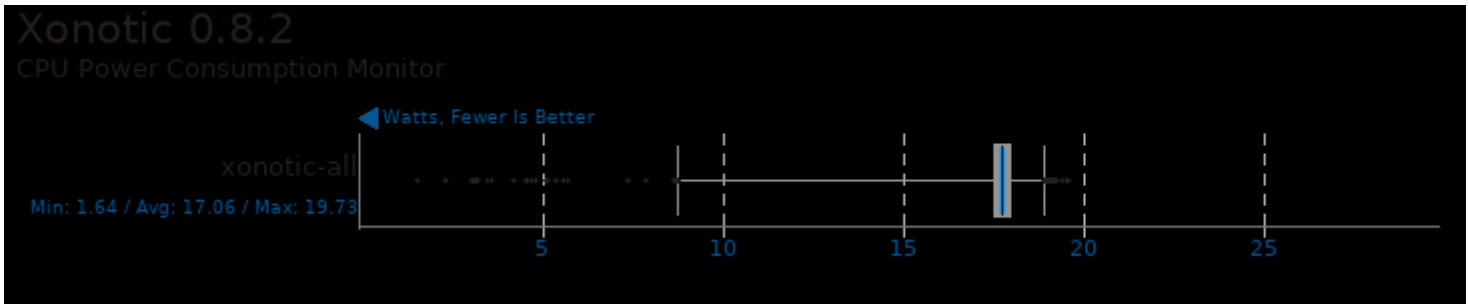

Xonotic 0.8.2
System Iowait Monitor
Min
Avg
Max
xonotic-all
0.0
4.5
23.1
Percent, Fewer Is Better
40
32
24
16
8
Xonotic 0.8.2
GPU Fan Speed Monitor
Percent, Fewer Is Better
xonotic-all
100
20
40
60
80
100
Xonotic 0.8.2
System Iowait Monitor
Min
Avg
Max
xonotic-all
0.0
11.4
26.1
Percent, Fewer Is Better
40
32
24
16
8


Xonotic 0.8.2
GPU Fan Speed Monitor
Percent, Fewer Is Better
xonotic-all
100
20
40
60
80
100
Xonotic 0.8.2
System Iowait Monitor
Min
Avg
Max
xonotic-all
0.0
16.7
36.8
Percent, Fewer Is Better
50
40
30
20
10
Xonotic 0.8.2
GPU Fan Speed Monitor
Percent, Fewer Is Better
xonotic-all
100
20
40
60
80
100
Xonotic 0.8.2
System Iowait Monitor
Percent, Fewer Is Better
xonotic-all
Min: 0 / Avg: 19.63 / Max: 40.36
8
16
24
32
40

# link-xonotic-1024



# link-xonotic-1024




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