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a315-3dgraphic-210828-1954

Intel Core i3-1005G1 testing with a Happy_IL (V1.11 BIOS) and Intel UHD 3GB on openSUSE 15.2 via the Phoronix Test Suite.

Test Systems:

Intel UHD

Processor: Intel Core i3-1005G1 @ 3.40GHz (2 Cores / 4 Threads), Motherboard: Happy_IL (V1.11 BIOS), Chipset: Intel Ice Lake-LP DRAM, Memory: 12GB, Disk: 128GB HFM128GDJTNG-8310A + 500GB Hitachi HTS545050B9A300, Graphics: Intel UHD 3GB (900MHz), Audio: Realtek ALC255, Network: Realtek RTL8111/8168/8411 + Qualcomm Atheros QCA9377 802.11ac

OS: openSUSE 15.2, Kernel: 5.3.18-lp152.87-default (x86_64), Desktop: Xfce 4.14, Display Server: X Server 1.20.3, OpenGL: 4.6 Mesa 19.3.4, Compiler: GCC 7.5.0, File-System: ext4, Screen Resolution: 1920x1080

Kernel Notes: Transparent Huge Pages: always
Processor Notes: Scaling Governor: intel_pstate powersave - CPU Microcode: 0xa6
Graphics Notes: ShadowFB

a315-3dgraphic-210828-1954

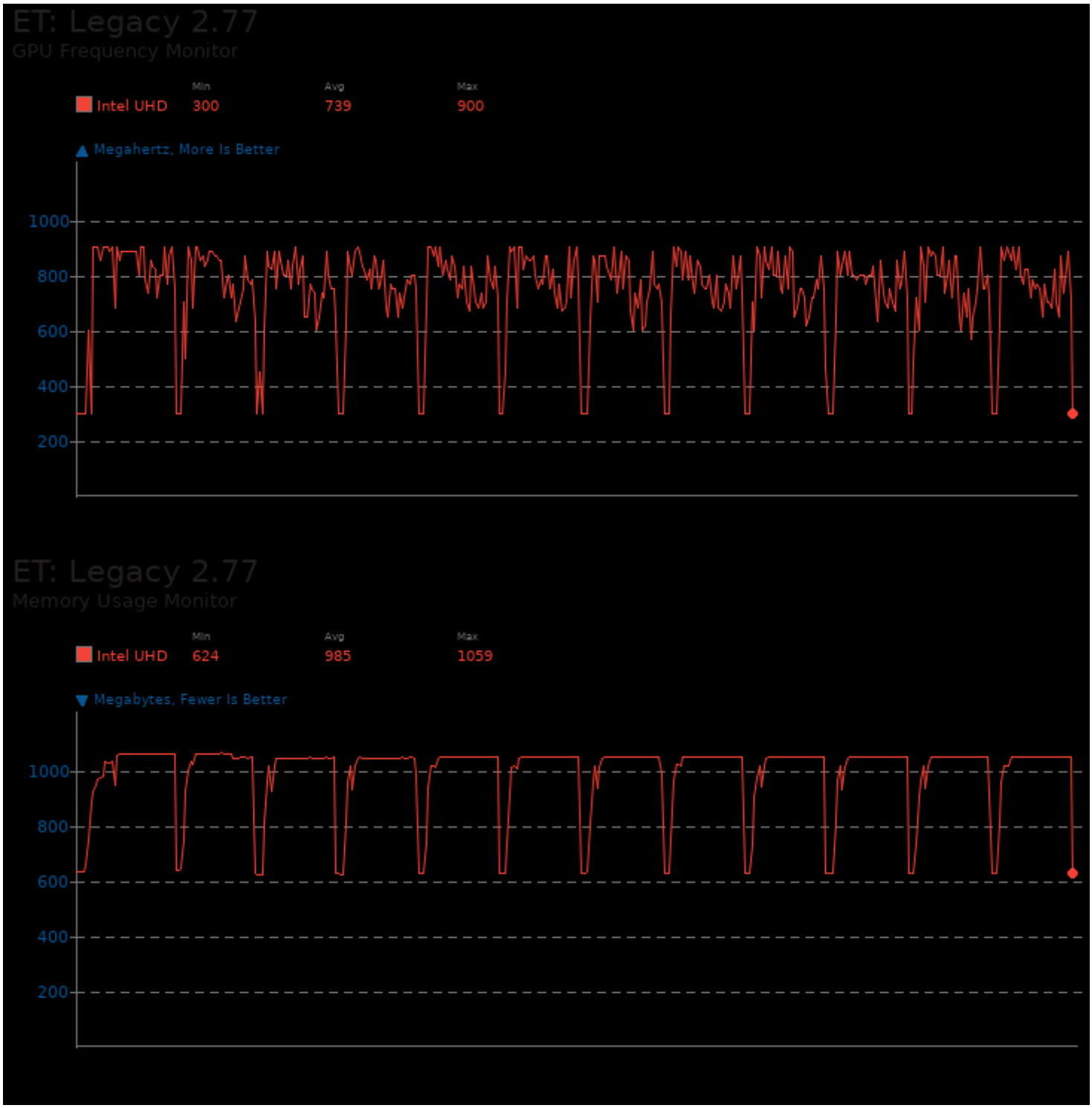
Security Notes: itlb_multihit: KVM: Mitigation of VMX disabled + l1tf: Not affected + mds: Not affected + meltdown: Not affected + spec_store_bypass: Mitigation of SSB disabled via prctl and seccomp + spectre_v1: Mitigation of usercopy/swapgs barriers and __user pointer sanitization + spectre_v2: Mitigation of Enhanced IBRS IBPB: conditional RSB filling + srbds: Not affected + tsx_async_abort: Not affected

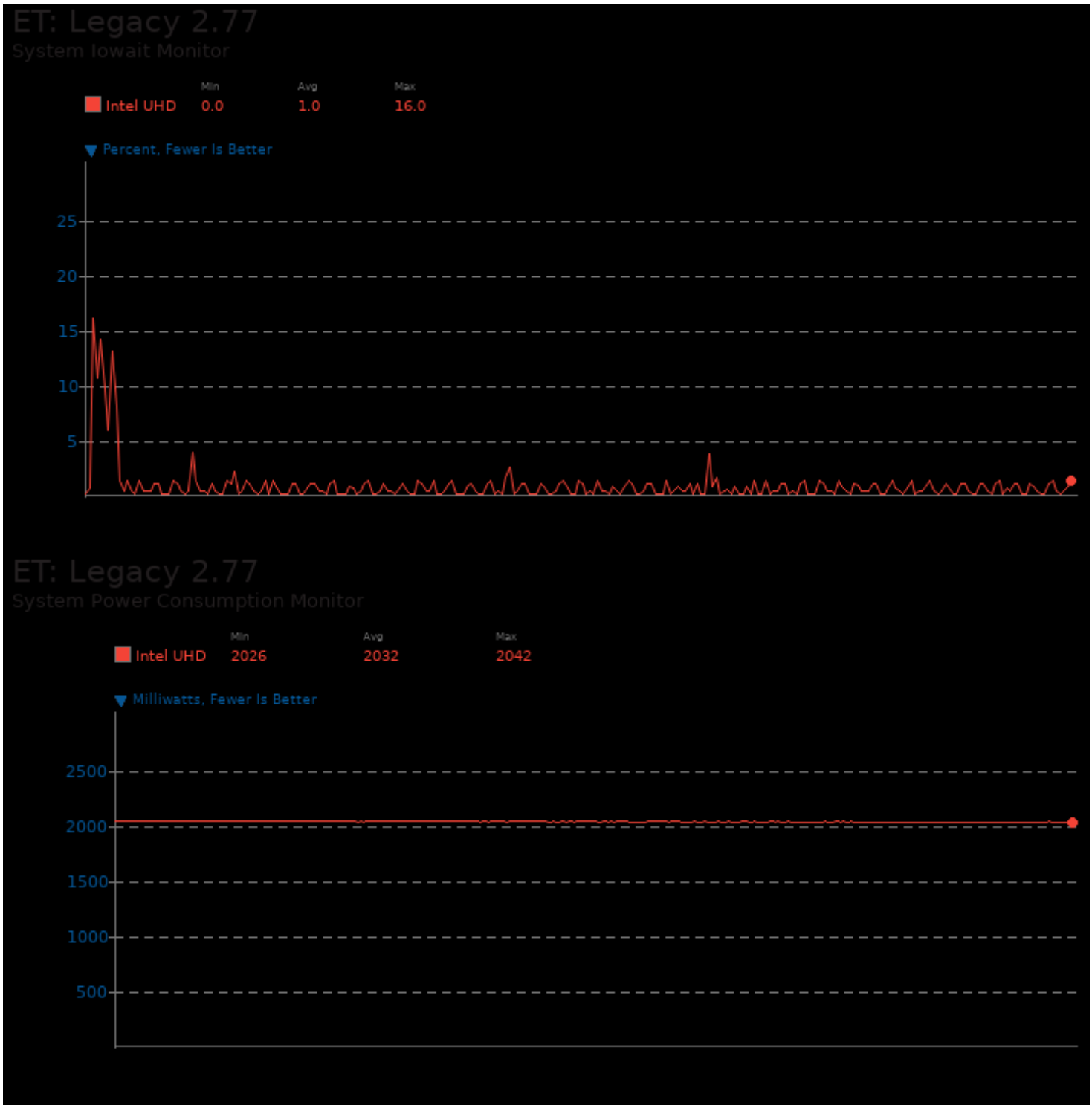
	Intel UHD
ET: Legacy - 1024 x 768 (FPS)	196.2
Standard Deviation	2.5%
GpuTest - Furmark - 1024 x 768 - Fullscreen (Points)	604
Standard Deviation	0.5%
GpuTest - Furmark - 1920 x 1080 - Fullscreen (Points)	604
Standard Deviation	1%
GpuTest - Pixmark Piano - 1024 x 768 - Fullscreen (Points)	152
GpuTest - Pixmark Piano - 1920 x 1080 - Fullscreen (Points)	152
GpuTest - Pixmark Volplosion - 1024 x 768 - Fullscreen (Points)	399
GpuTest - Pixmark Volplosion - 1920 x 1080 - Fullscreen (Points)	399
GpuTest - Triangle - 1024 x 768 - Fullscreen (Points)	37542
Standard Deviation	0.2%
GpuTest - Triangle - 1920 x 1080 - Fullscreen (Points)	37302
Standard Deviation	0.5%
GpuTest - Plot3D - 1024 x 768 - Fullscreen (Points)	8374
Standard Deviation	0.1%
GpuTest - Plot3D - 1920 x 1080 - Fullscreen (Points)	8363
Standard Deviation	0.1%
SuperTuxKart - 1024 x 768 - Fullscreen - High - 8 - Candela City	116.599765
Standard Deviation	3.9%
SuperTuxKart - 1920 x 1080 - Fullscreen - High - 8 - Candela City	82.068728
Standard Deviation	1%
Tesseract - 1024 x 768 (FPS)	90.42520
Standard Deviation	0.9%
Tesseract - 1920 x 1080 (FPS)	55.84153
Standard Deviation	0.4%
Unigine Superposition - 1920 x 1080 - Fullscreen - High - OpenGL (FPS)	3.7
Standard Deviation	1.6%

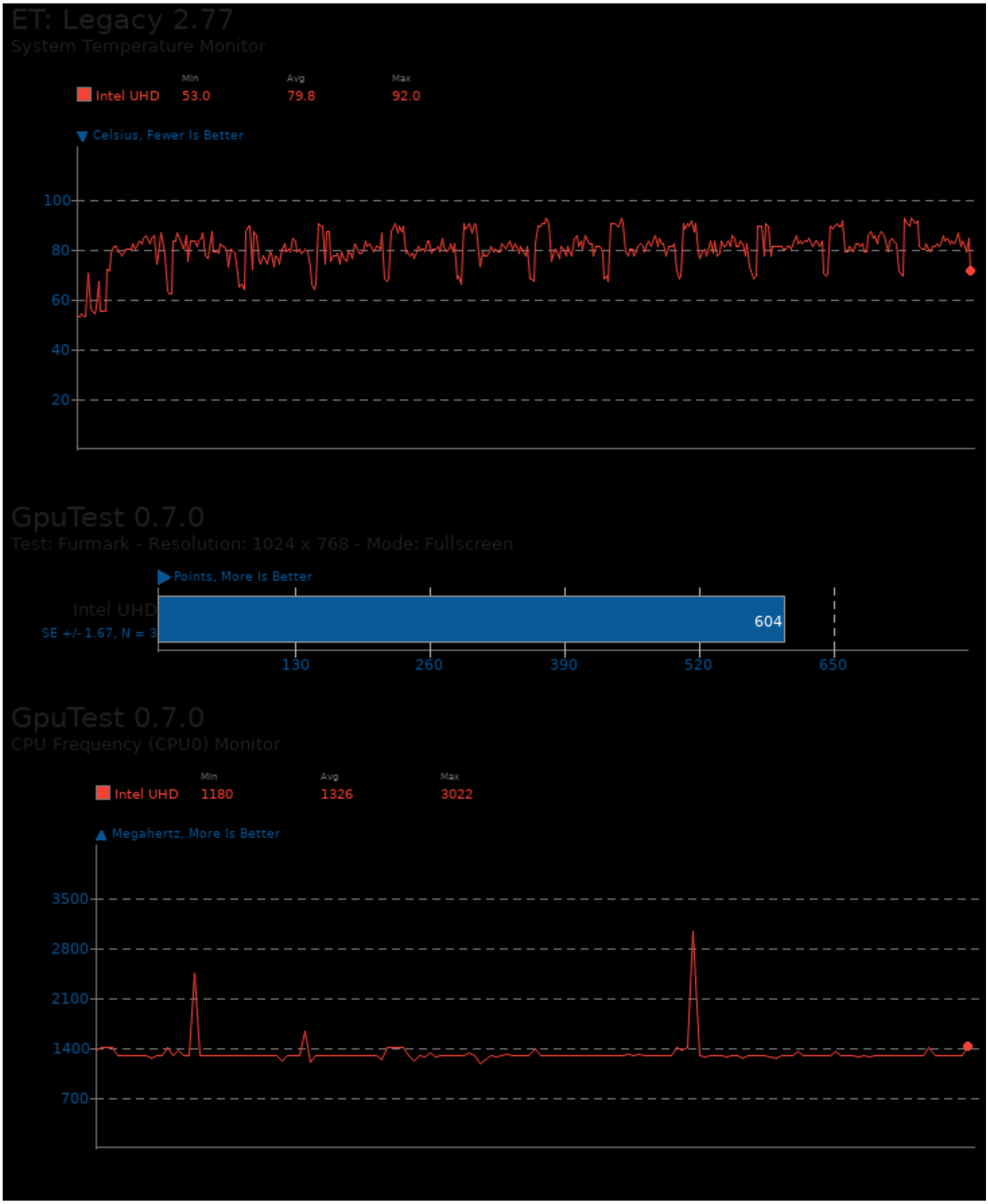

ET: Legacy 2.77
Resolution: 1024 x 768
Frames Per Second, More Is Better
Intel UHD
SE +/- 1.40, N = 12
196.2
40
80
120
160
200
ET: Legacy 2.77
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
1085
2885
3401
Megahertz, More Is Better
4000
3200
2400
1600
800
ET: Legacy 2.77
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
1208
2877
3404
Megahertz, More Is Better
4000
3200
2400
1600
800

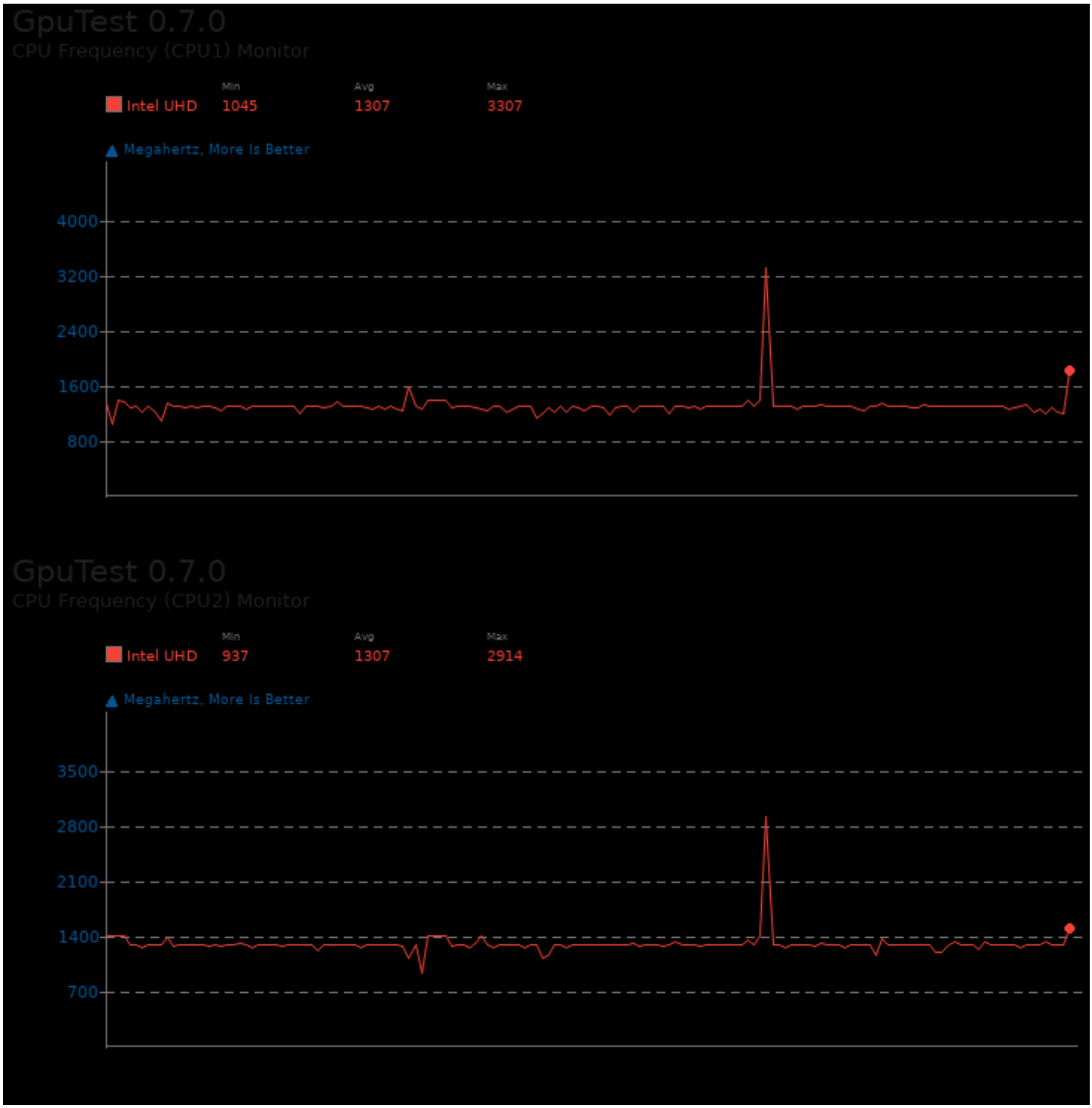

ET: Legacy 2.77
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
1299
2895
3401
Megahertz, More Is Better
4000
3200
2400
1600
800
ET: Legacy 2.77
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
1150
2759
3401
Megahertz, More Is Better
4000
3200
2400
1600
800


ET: Legacy 2.77
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1301
2938
3403
Megahertz, More Is Better
4000
3200
2400
1600
800
ET: Legacy 2.77
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
50.0
80.8
93.0
Celsius, Fewer Is Better
100
80
60
40
20
ET: Legacy 2.77
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100

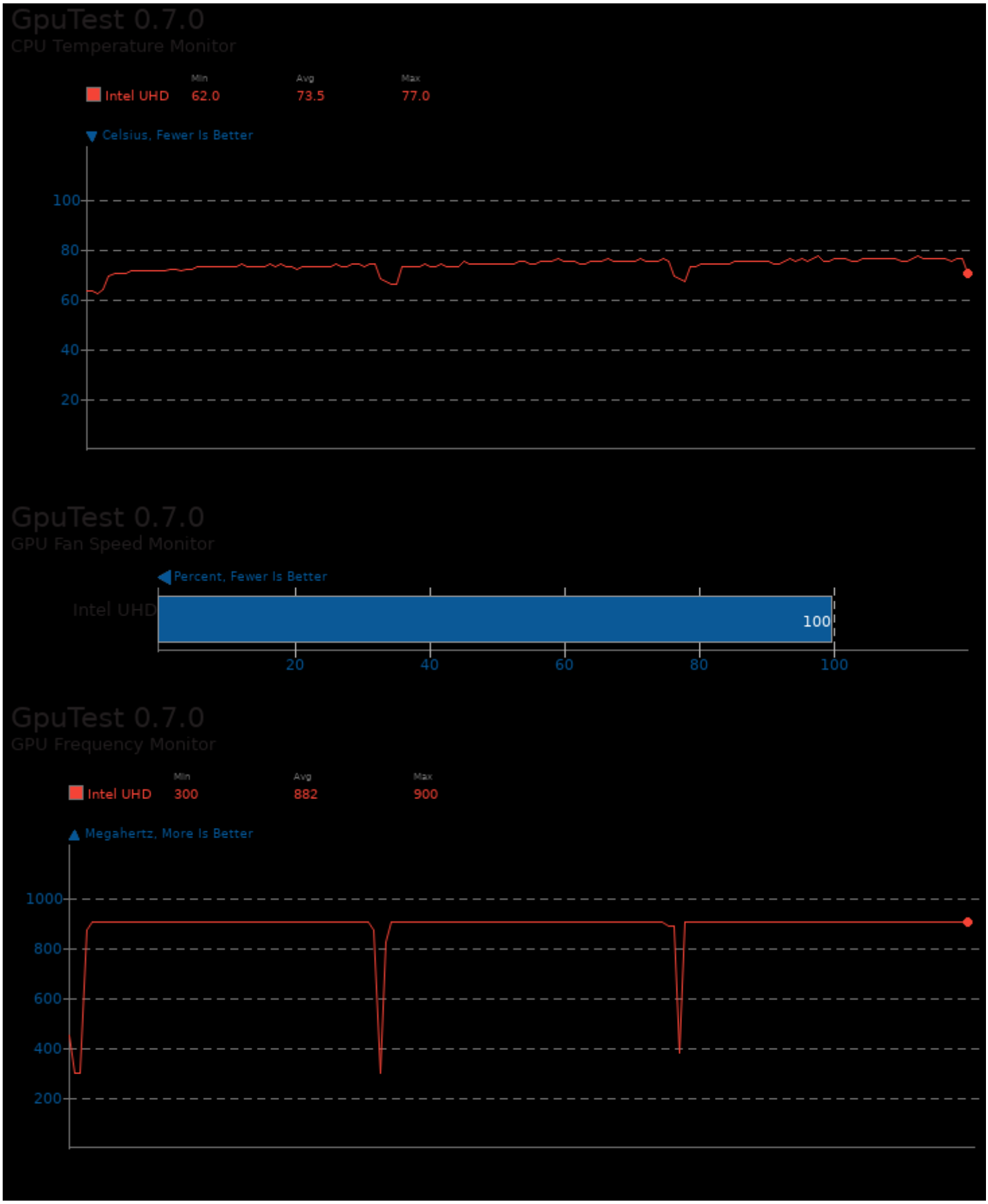

ET: Legacy 2.77
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
739
900
Megahertz, More Is Better
1000
800
600
400
200
ET: Legacy 2.77
Memory Usage Monitor
Min
Avg
Max
Intel UHD
624
985
1059
Megabytes, Fewer Is Better
1000
800
600
400
200

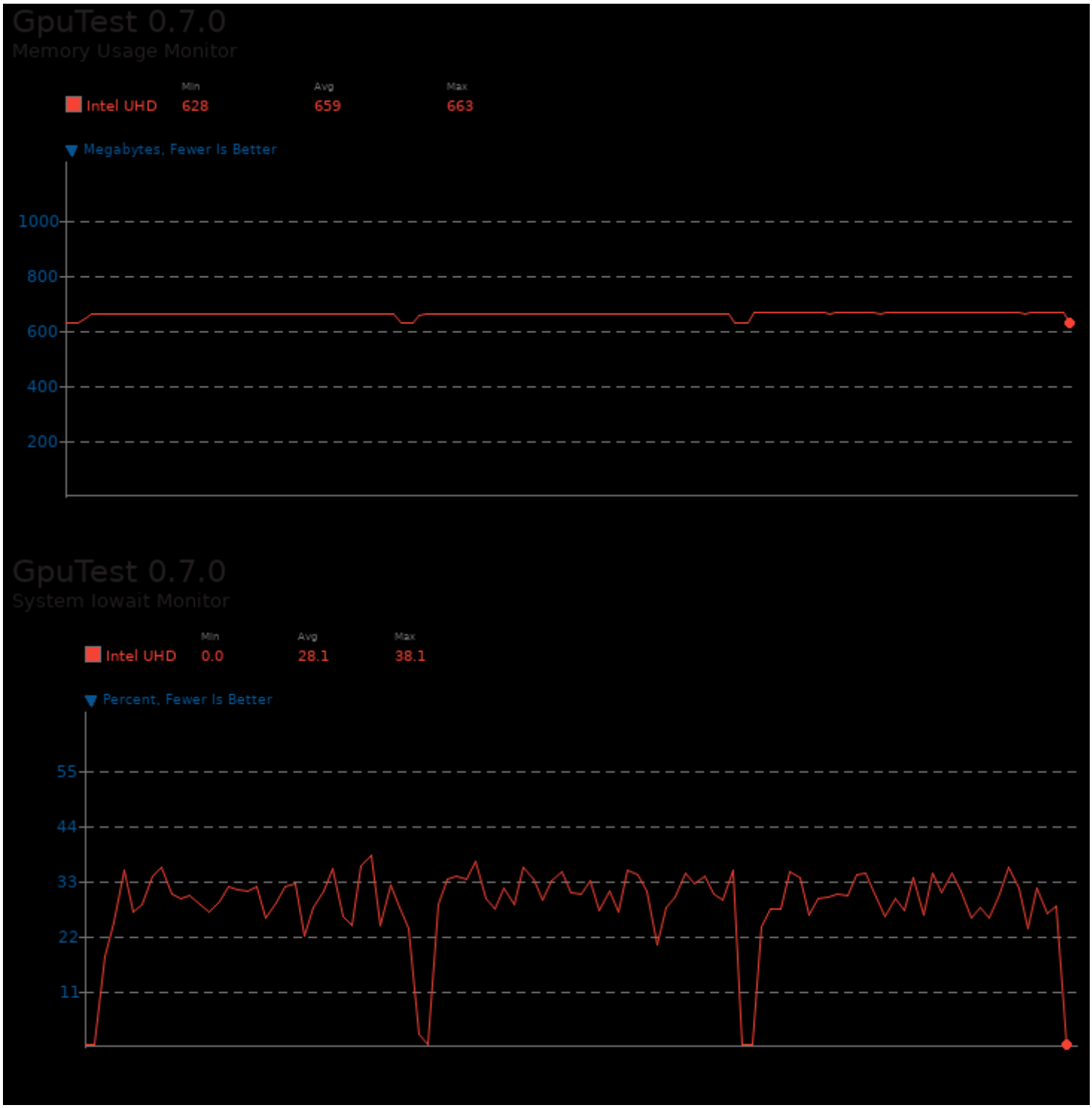

ET: Legacy 2.77
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.0
1.0
16.0
Percent, Fewer Is Better
25
20
15
10
5
ET: Legacy 2.77
System Power Consumption Monitor
Min
Avg
Max
Intel UHD
2026
2032
2042
Milliwatts, Fewer Is Better
2500
2000
1500
1000
500

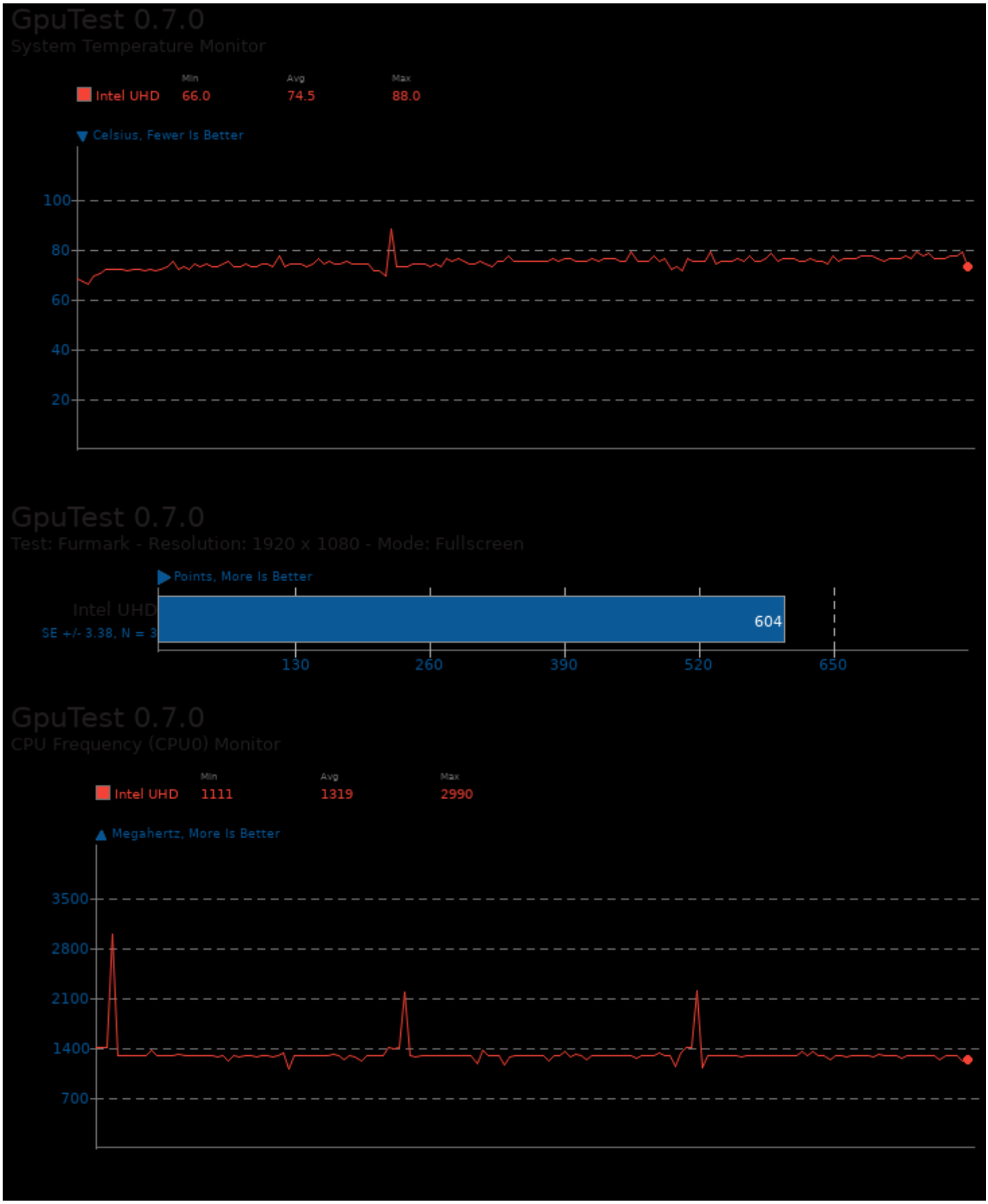

ET: Legacy 2.77
System Temperature Monitor
Min
Avg
Max
Intel UHD
53.0
79.8
92.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
Test: Furmark - Resolution: 1024 x 768 - Mode: Fullscreen
Points, More Is Better
Intel UHD
SE +/- 1.67, N = 3
604
130
260
390
520
650
GpuTest 0.7.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
1180
1326
3022
Megahertz, More Is Better
3500
2800
2100
1400
700

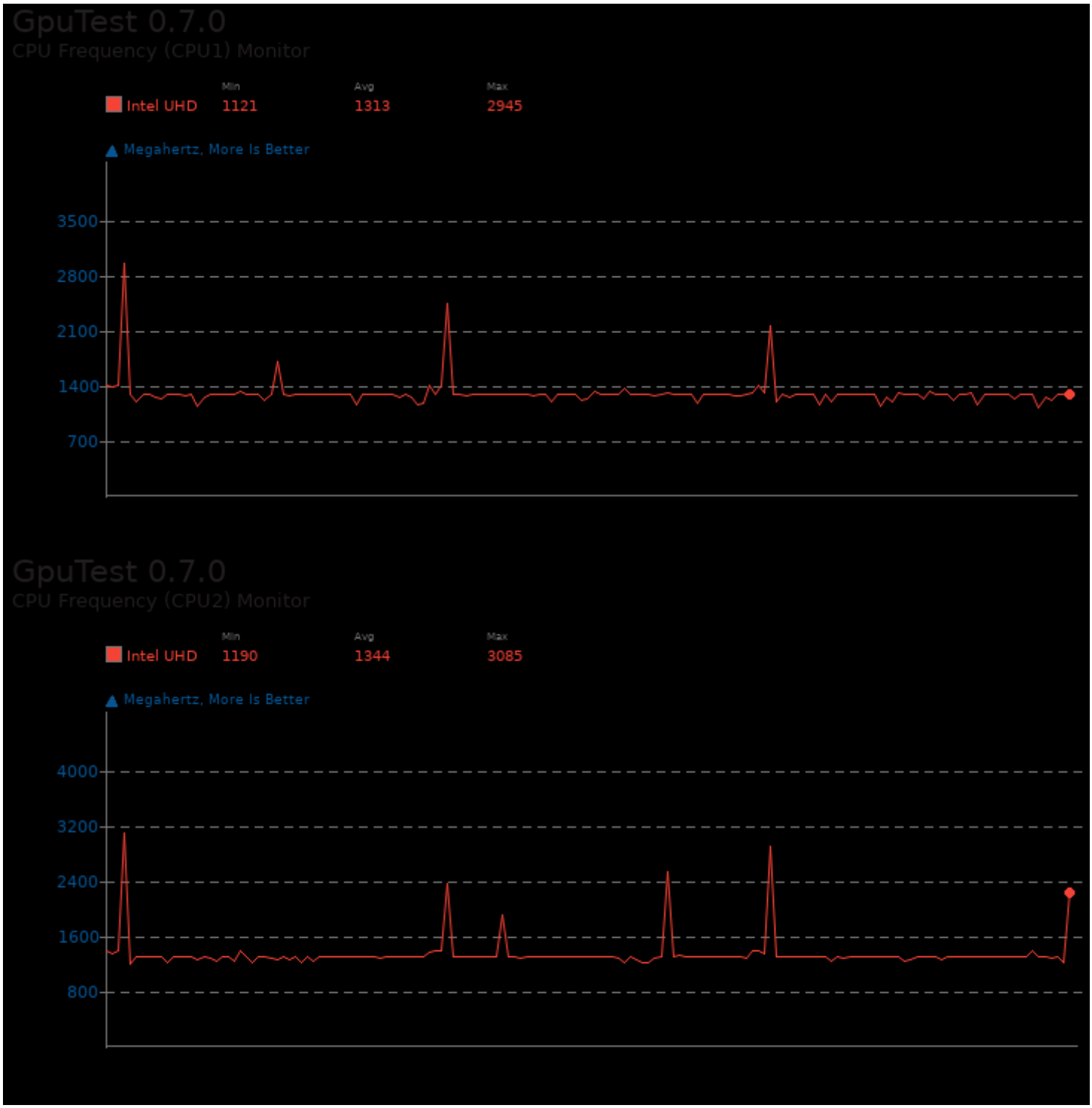

GpuTest 0.7.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
1045
1307
3307
Megahertz, More Is Better
4000
3200
2400
1600
800
GpuTest 0.7.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
937
1307
2914
Megahertz, More Is Better
3500
2800
2100
1400
700


GpuTest 0.7.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
835
1289
2899
Megahertz, More Is Better
3500
2800
2100
1400
700
GpuTest 0.7.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1281
1347
3307
Megahertz, More Is Better
4000
3200
2400
1600
800

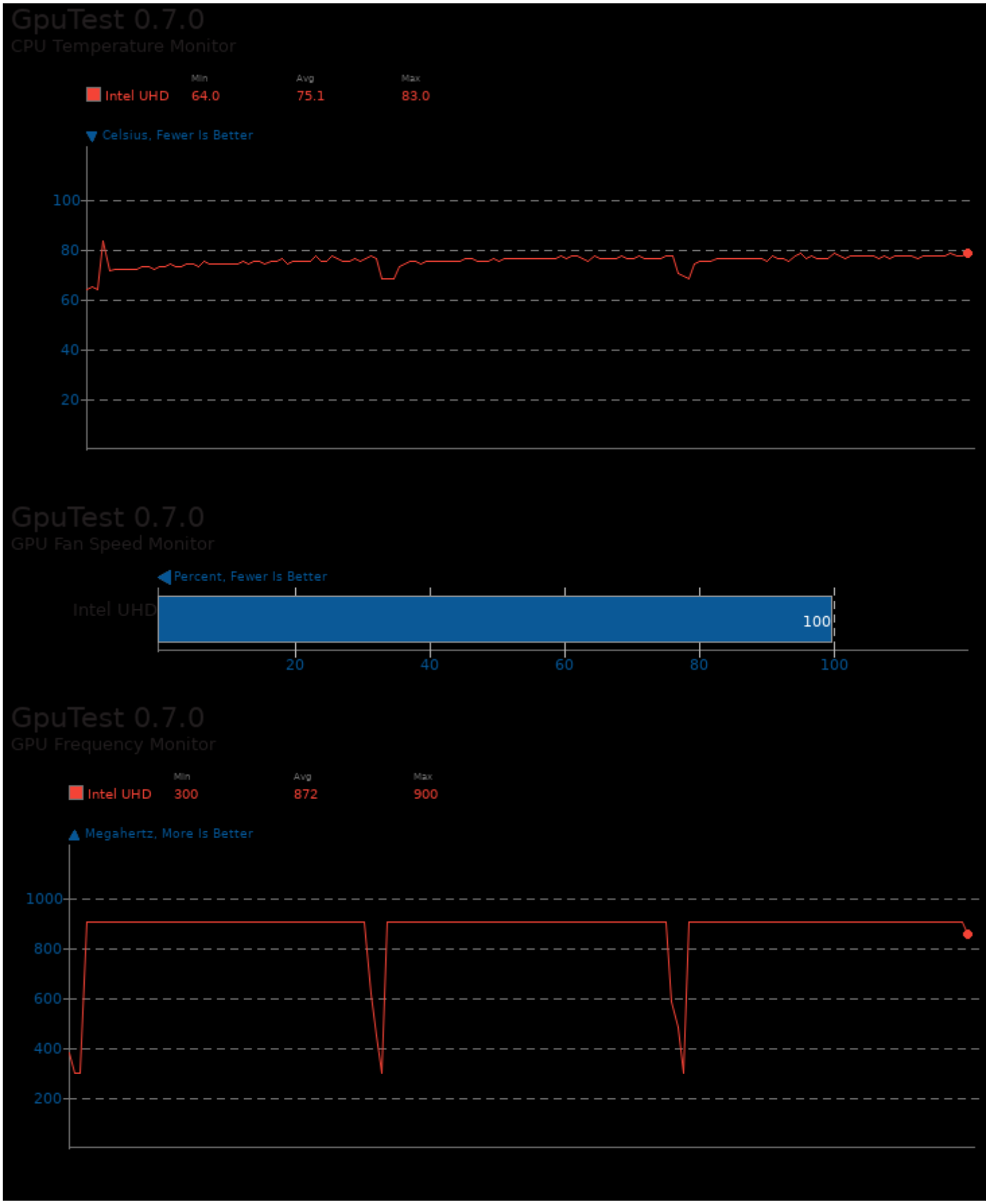

GpuTest 0.7.0
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
62.0
73.5
77.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
GpuTest 0.7.0
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
882
900
Megahertz, More Is Better
1000
800
600
400
200

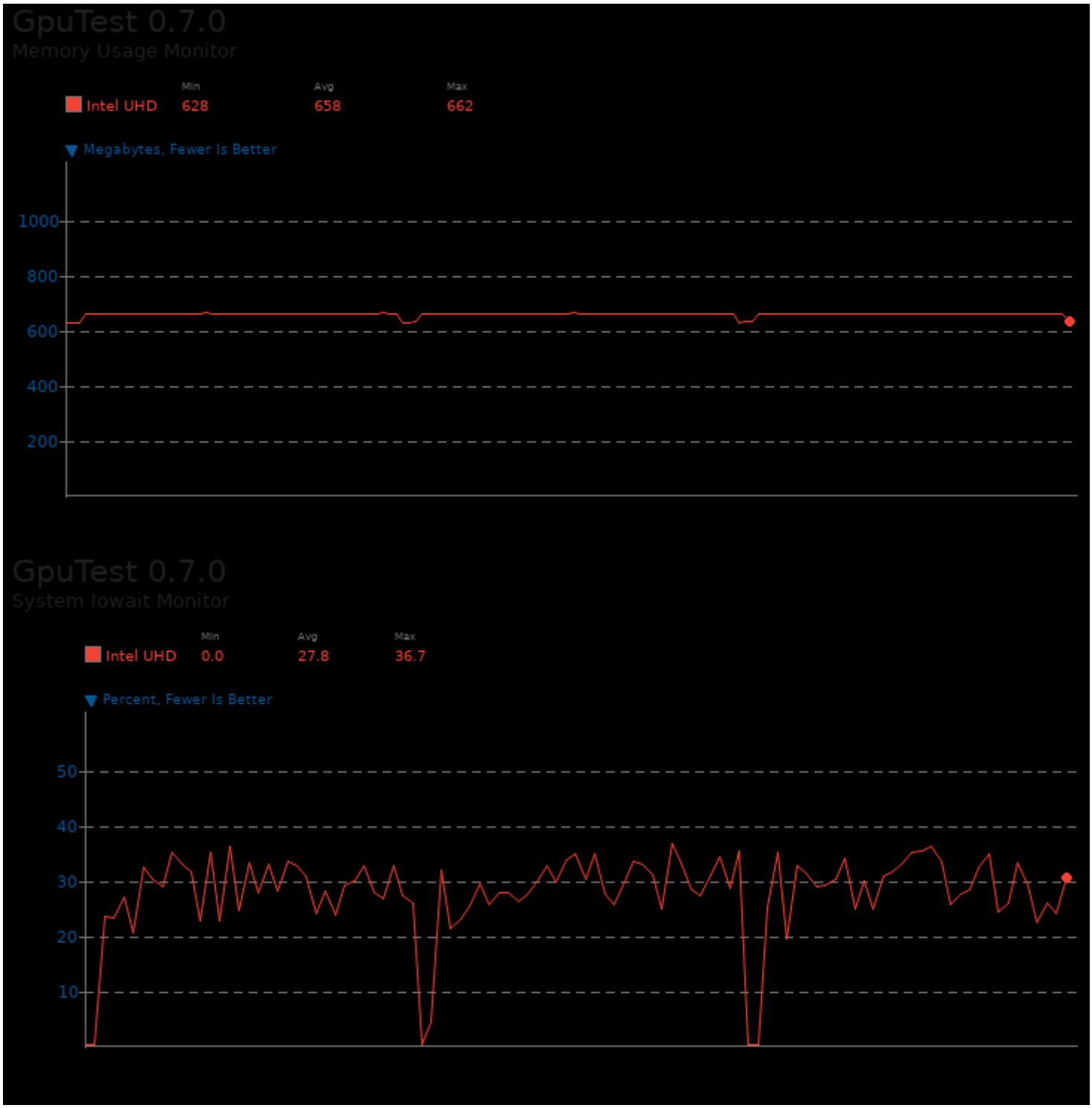

GpuTest 0.7.0
Memory Usage Monitor
Min
Avg
Max
Intel UHD
628
659
663
Megabytes, Fewer Is Better
1000
800
600
400
200
GpuTest 0.7.0
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.0
28.1
38.1
Percent, Fewer Is Better
55
44
33
22
11

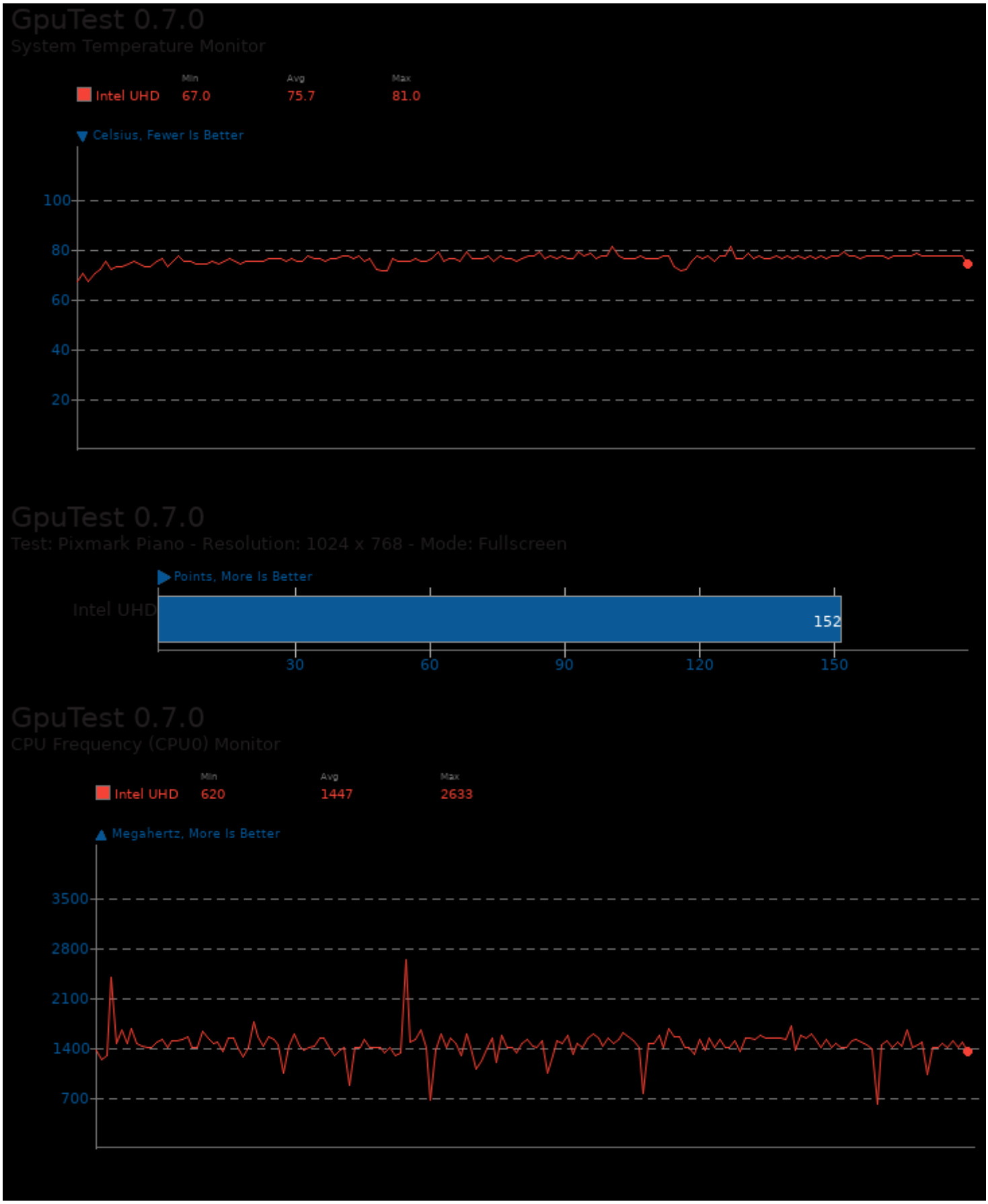

GpuTest 0.7.0
System Temperature Monitor
Min
Avg
Max
Intel UHD
66.0
74.5
88.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
Test: Furmark - Resolution: 1920 x 1080 - Mode: Fullscreen
Points, More Is Better
Intel UHD
SE +/- 3.38, N = 3
604
130
260
390
520
650
GpuTest 0.7.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
1111
1319
2990
Megahertz, More Is Better
3500
2800
2100
1400
700


GpuTest 0.7.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
1121
1313
2945
Megahertz, More Is Better
3500
2800
2100
1400
700
GpuTest 0.7.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
1190
1344
3085
Megahertz, More Is Better
4000
3200
2400
1600
800


GpuTest 0.7.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
1020
1316
3378
Megahertz, More Is Better
4000
3200
2400
1600
800
GpuTest 0.7.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1276
1375
3378
Megahertz, More Is Better
4000
3200
2400
1600
800

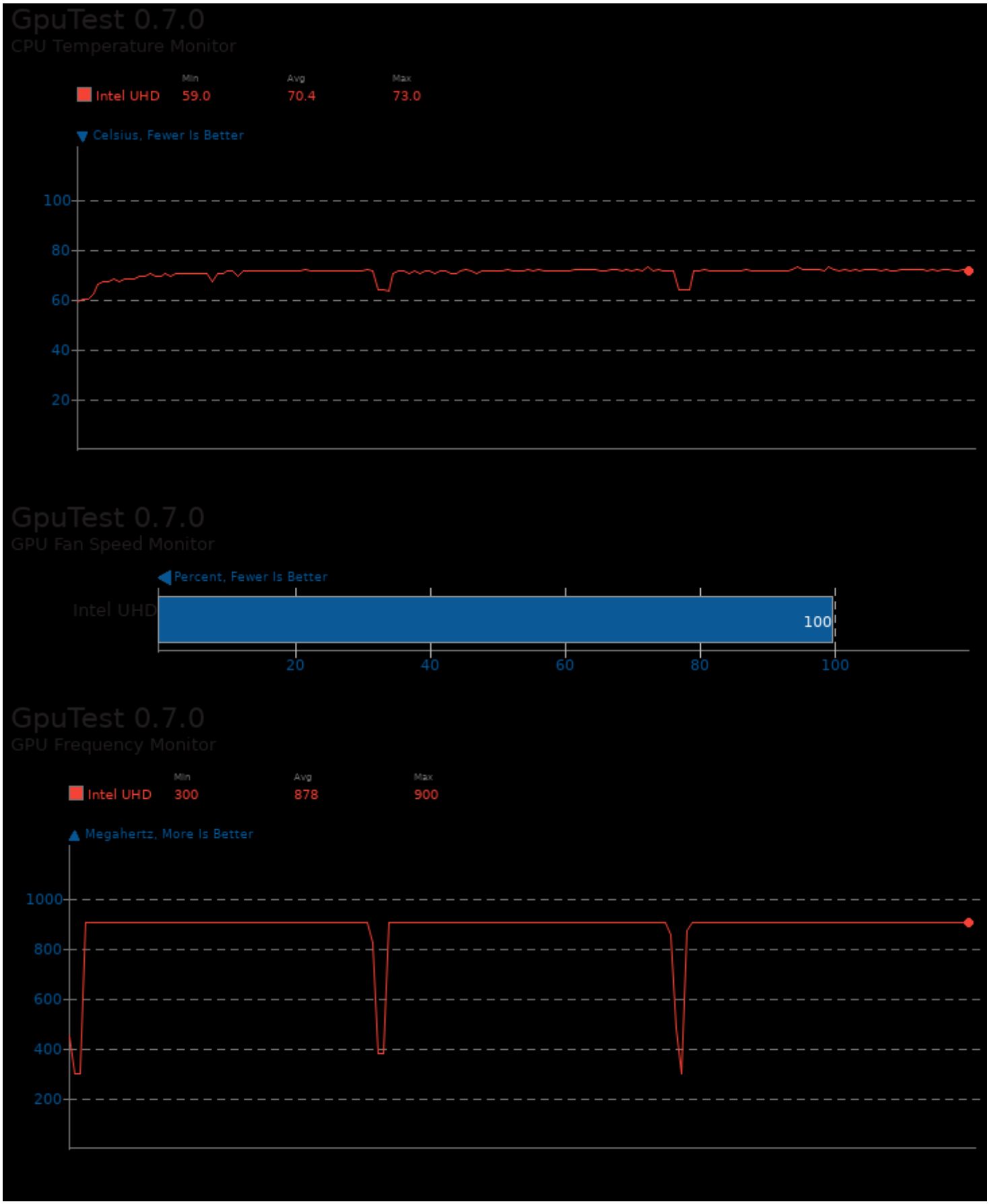

GpuTest 0.7.0
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
64.0
75.1
83.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
GpuTest 0.7.0
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
872
900
Megahertz, More Is Better
1000
800
600
400
200


GpuTest 0.7.0
Memory Usage Monitor
Min
Avg
Max
Intel UHD
628
658
662
Megabytes, Fewer Is Better
1000
800
600
400
200
GpuTest 0.7.0
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.0
27.8
36.7
Percent, Fewer Is Better
50
40
30
20
10

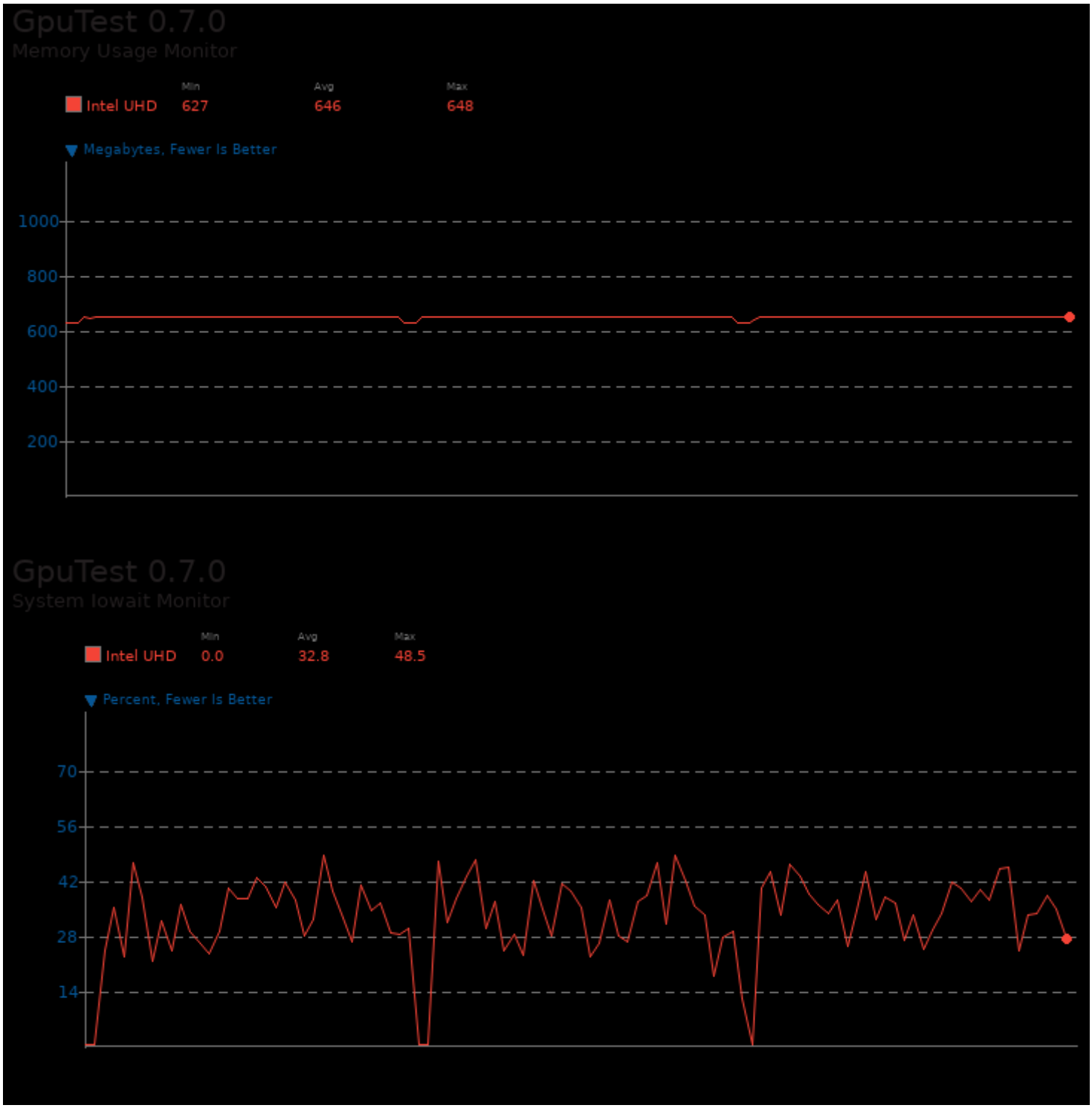

GpuTest 0.7.0
System Temperature Monitor
Min
Avg
Max
Intel UHD
67.0
75.7
81.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
Test: Pixmark Piano - Resolution: 1024 x 768 - Mode: Fullscreen
Points, More Is Better
Intel UHD
152
30
60
90
120
150
GpuTest 0.7.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
620
1447
2633
Megahertz, More Is Better
3500
2800
2100
1400
700

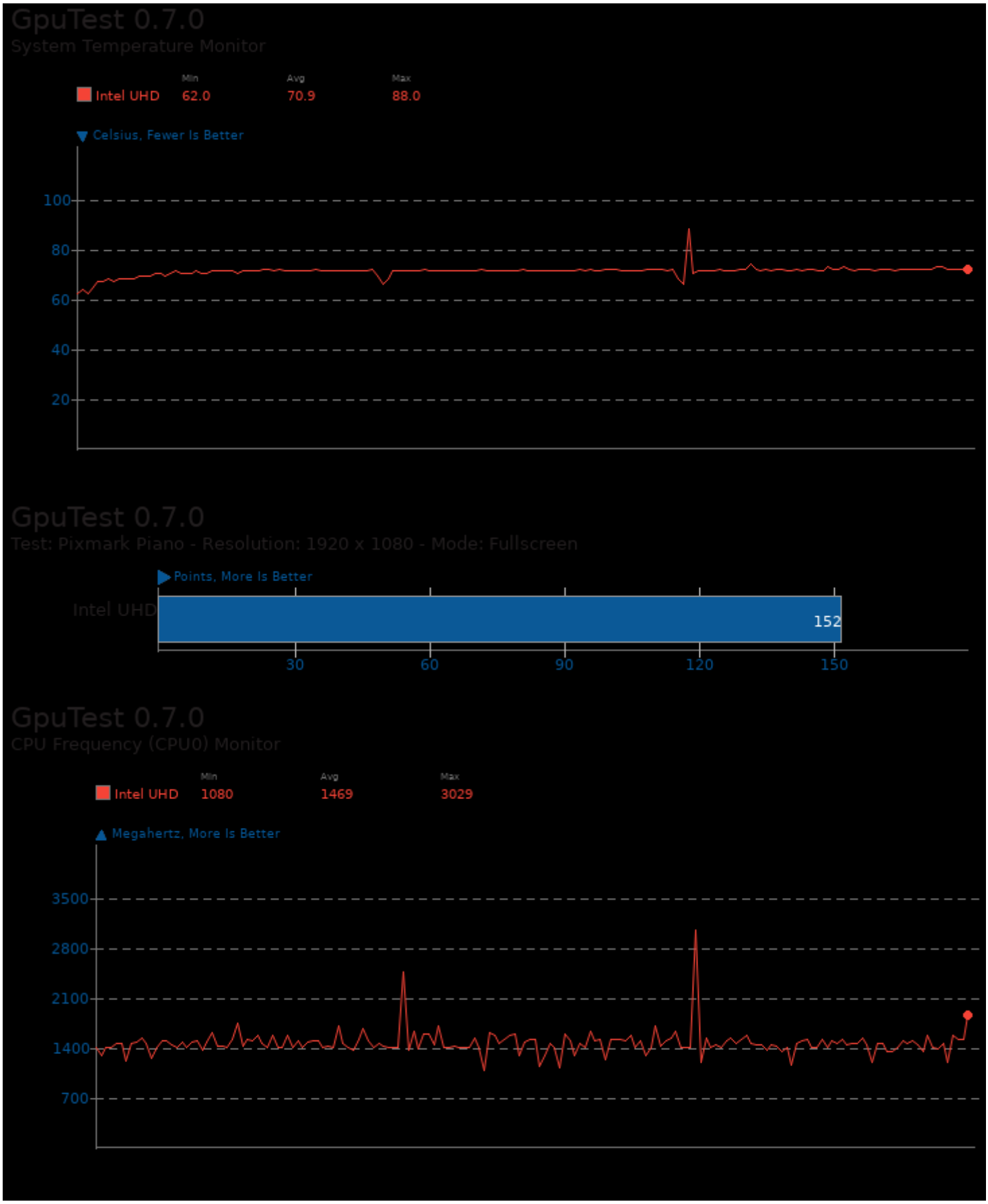

GpuTest 0.7.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
677
1412
2609
Megahertz, More Is Better
3500
2800
2100
1400
700
GpuTest 0.7.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
704
1445
2511
Megahertz, More Is Better
3000
2400
1800
1200
600


GpuTest 0.7.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
516
1466
2970
Megahertz, More Is Better
3500
2800
2100
1400
700
GpuTest 0.7.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1301
1512
2970
Megahertz, More Is Better
3500
2800
2100
1400
700


GpuTest 0.7.0
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
59.0
70.4
73.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
GpuTest 0.7.0
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
878
900
Megahertz, More Is Better
1000
800
600
400
200

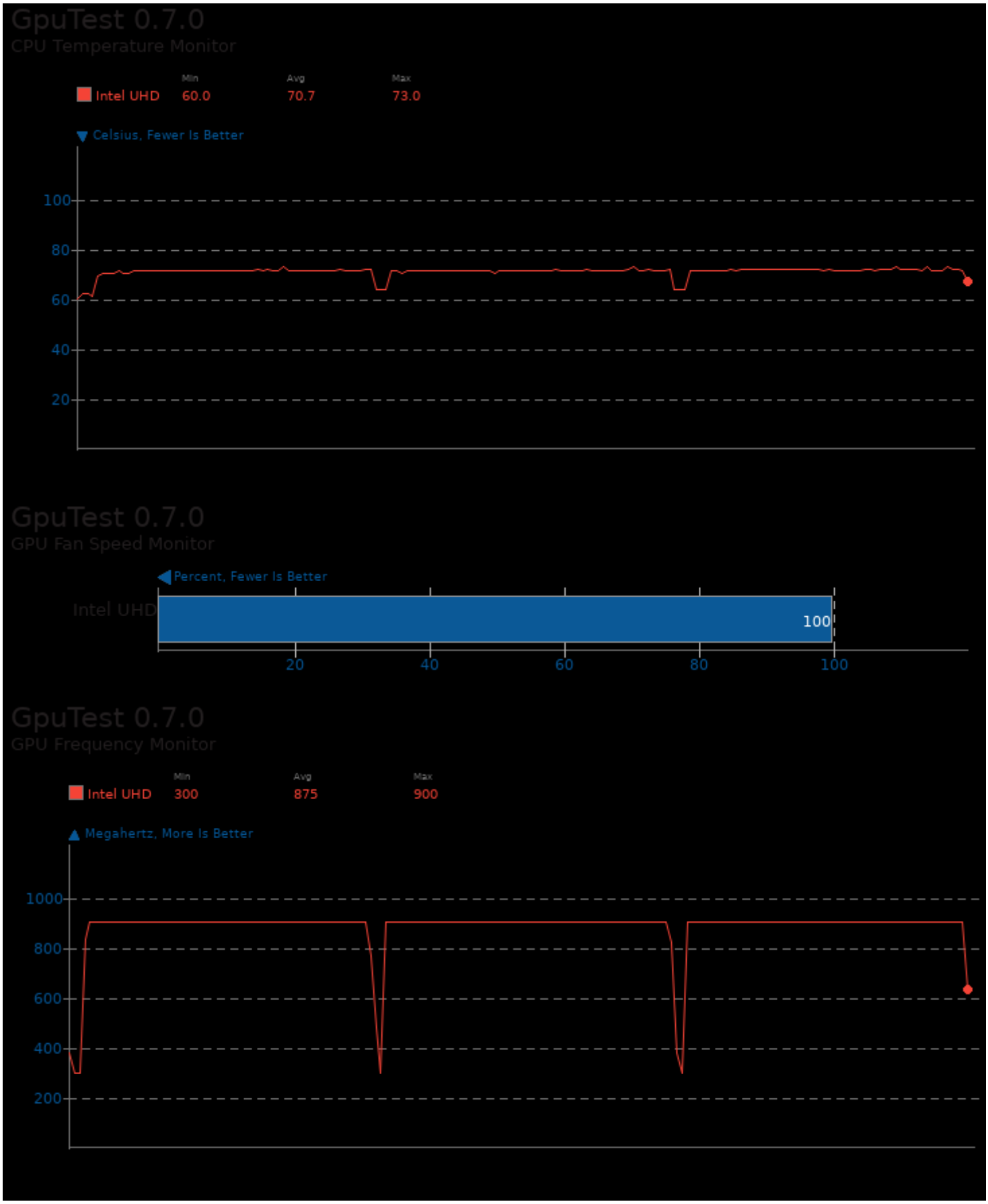
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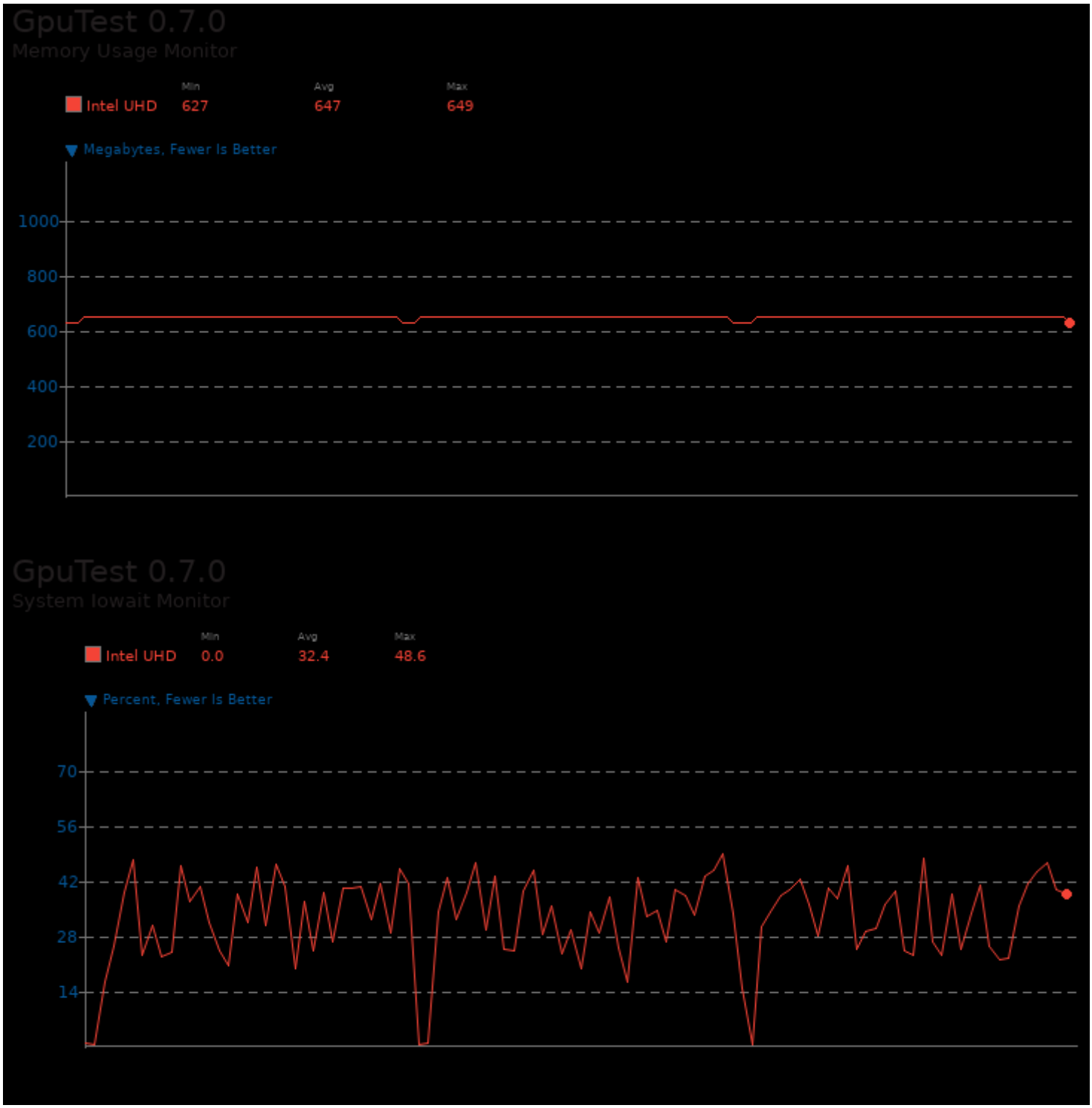

GpuTest 0.7.0
System Temperature Monitor
Min
Avg
Max
Intel UHD
62.0
70.9
88.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
Test: Pixmark Piano - Resolution: 1920 x 1080 - Mode: Fullscreen
Points, More Is Better
Intel UHD
152
30
60
90
120
150
GpuTest 0.7.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
1080
1469
3029
Megahertz, More Is Better
3500
2800
2100
1400
700

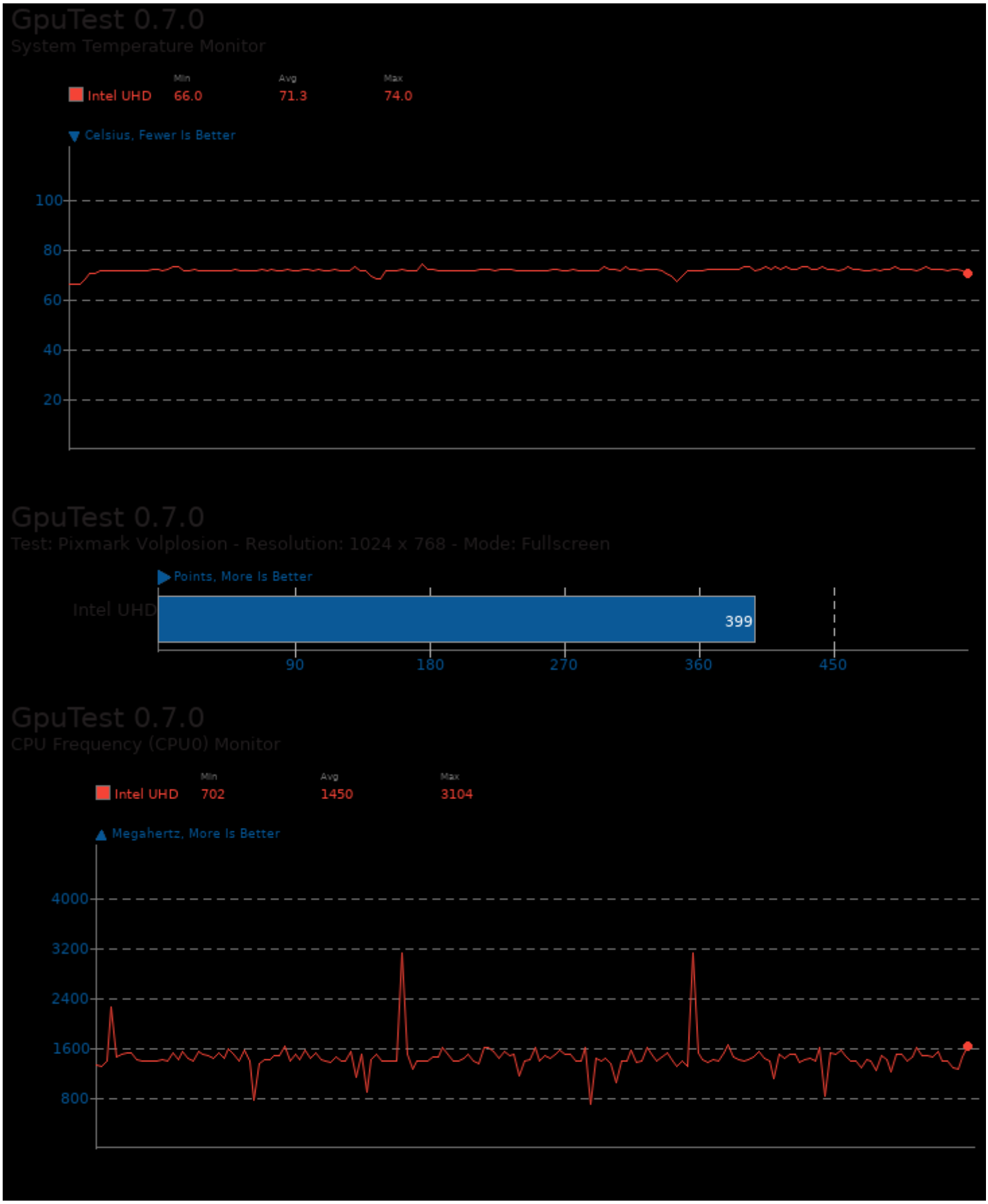

GpuTest 0.7.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
476
1415
2469
Megahertz, More Is Better
3000
2400
1800
1200
600
GpuTest 0.7.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
482
1431
2652
Megahertz, More Is Better
3500
2800
2100
1400
700

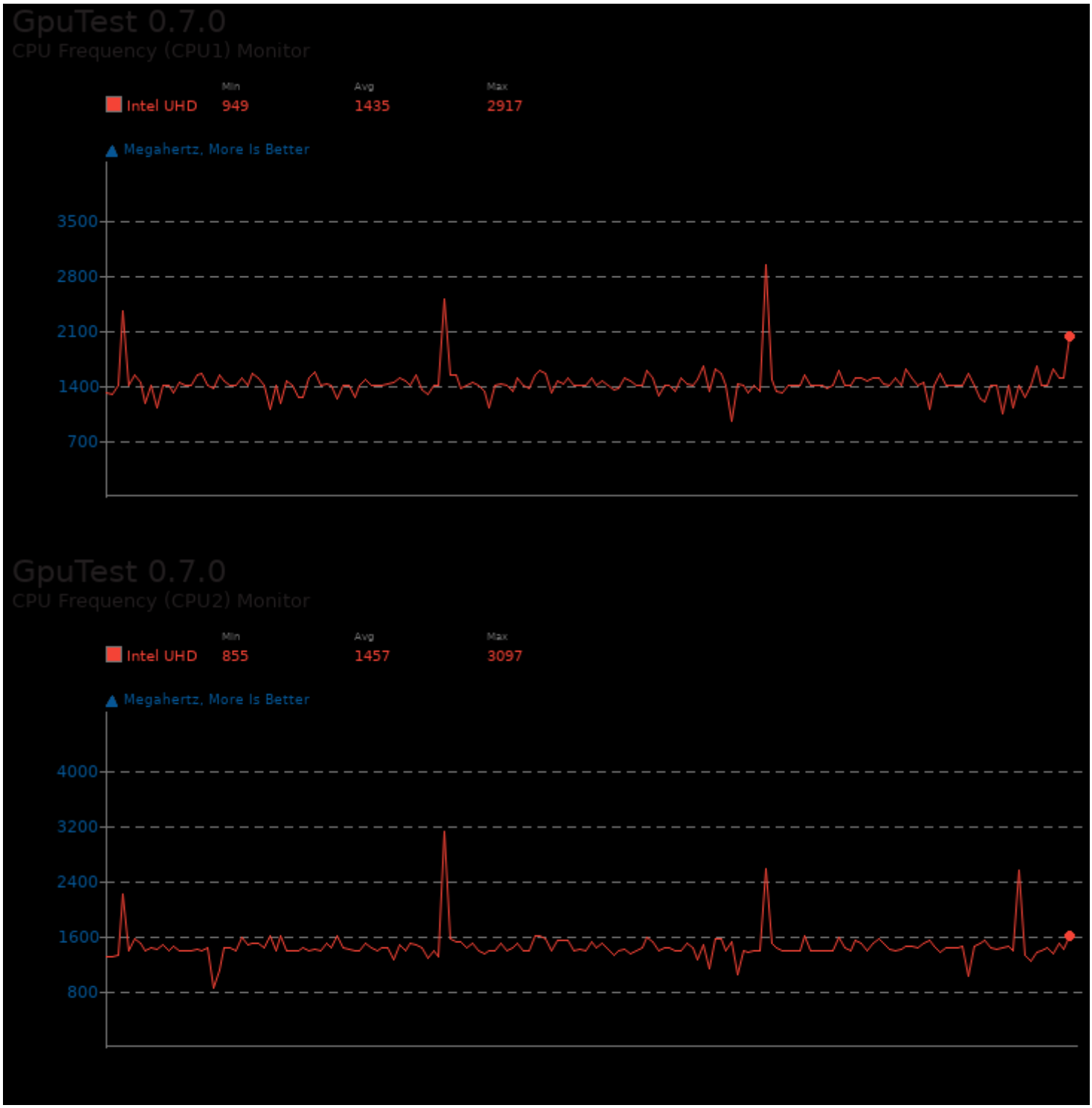

GpuTest 0.7.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
500
1470
3141
Megahertz, More Is Better
4000
3200
2400
1600
800
GpuTest 0.7.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1301
1517
3141
Megahertz, More Is Better
4000
3200
2400
1600
800

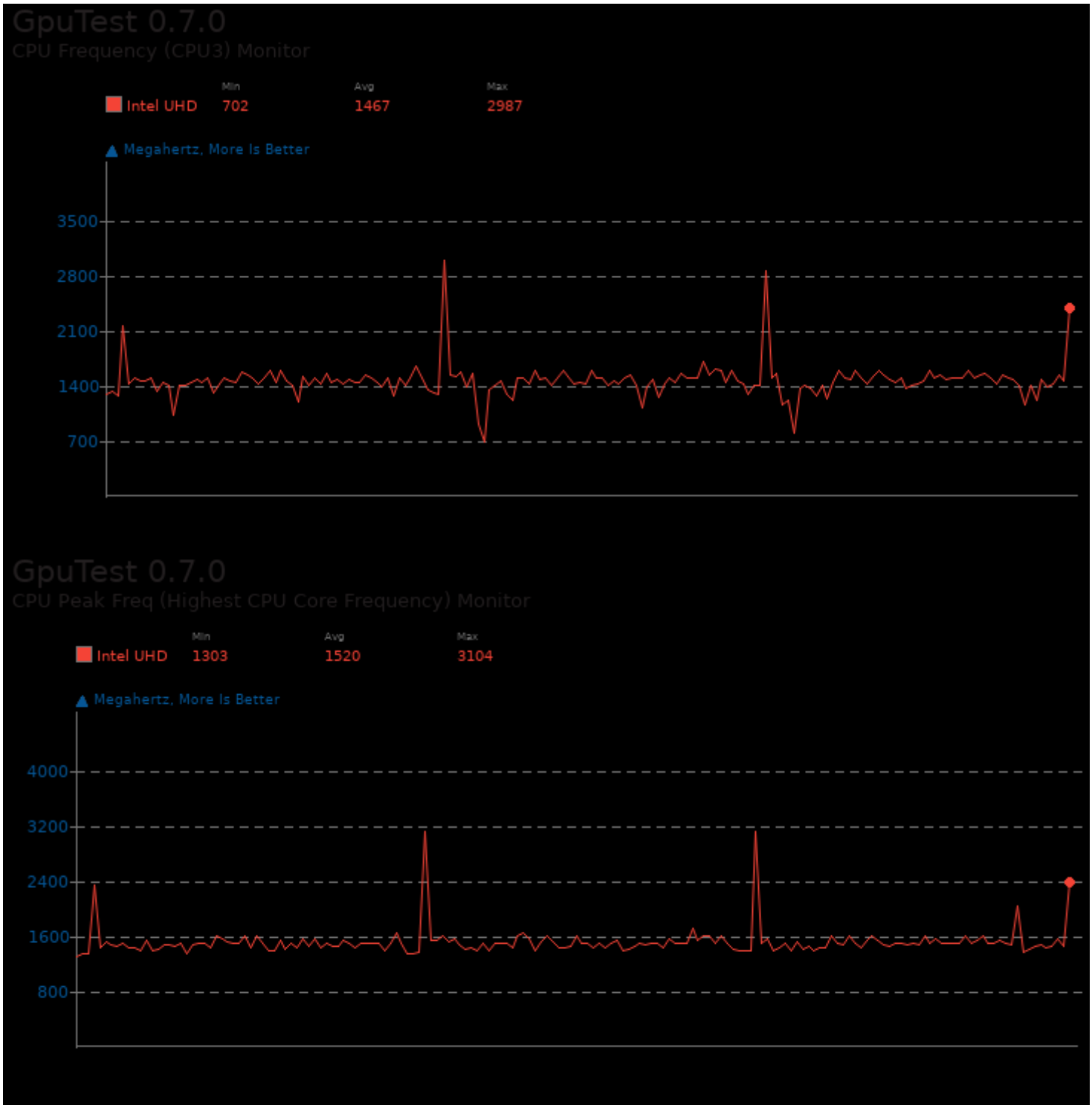

GpuTest 0.7.0
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
60.0
70.7
73.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
GpuTest 0.7.0
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
875
900
Megahertz, More Is Better
1000
800
600
400
200

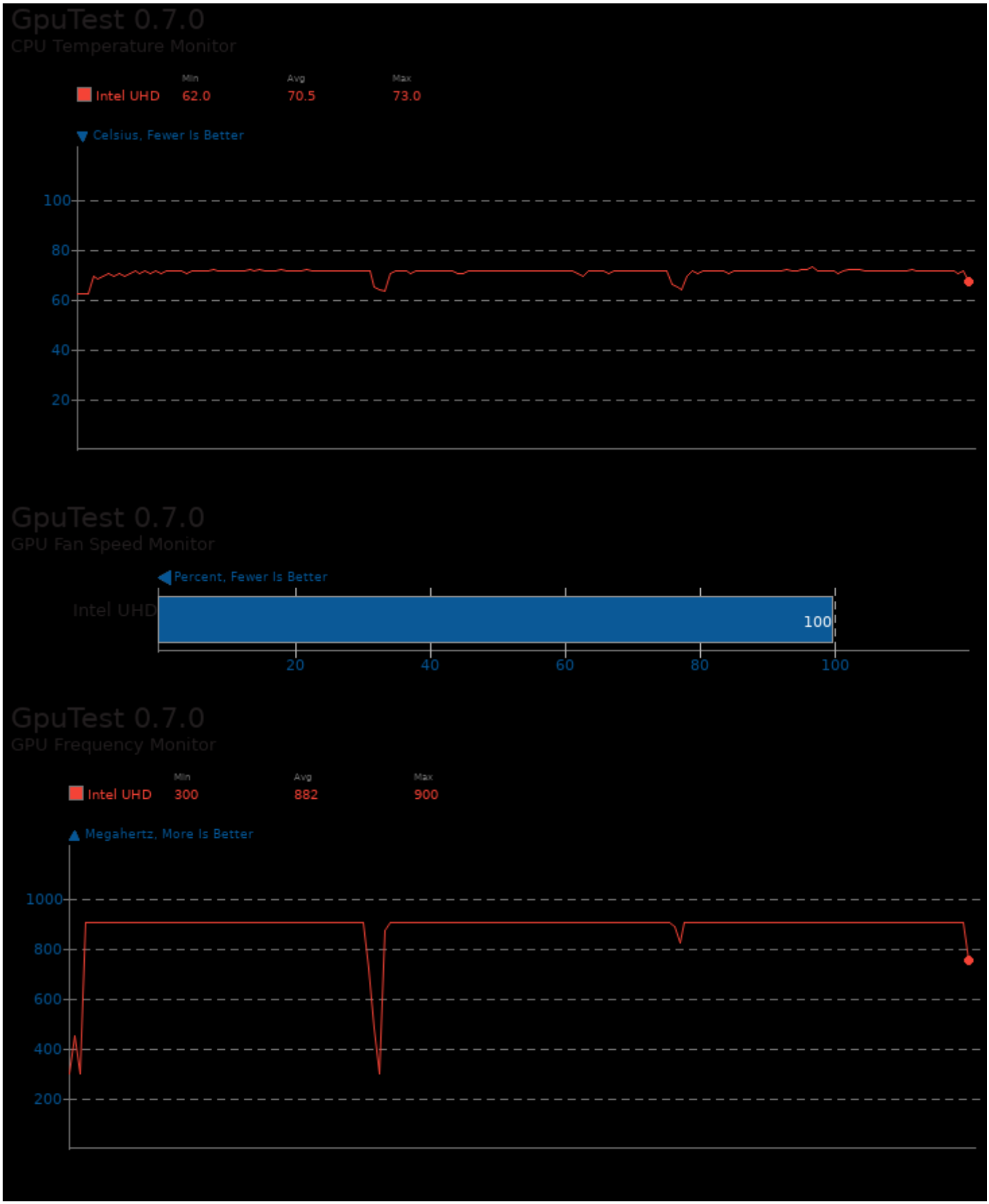
a315-3dgraphic-210828-1954

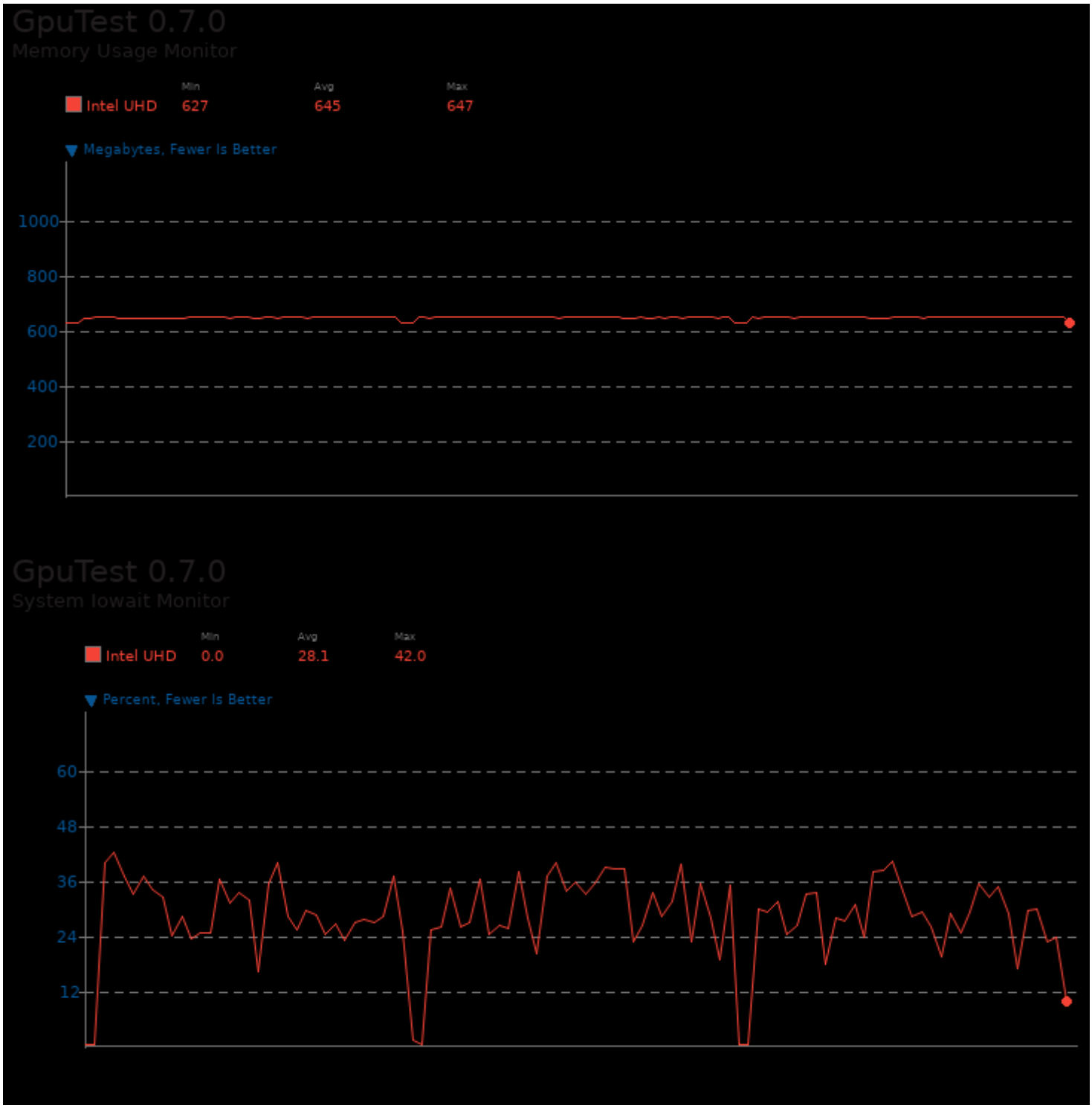


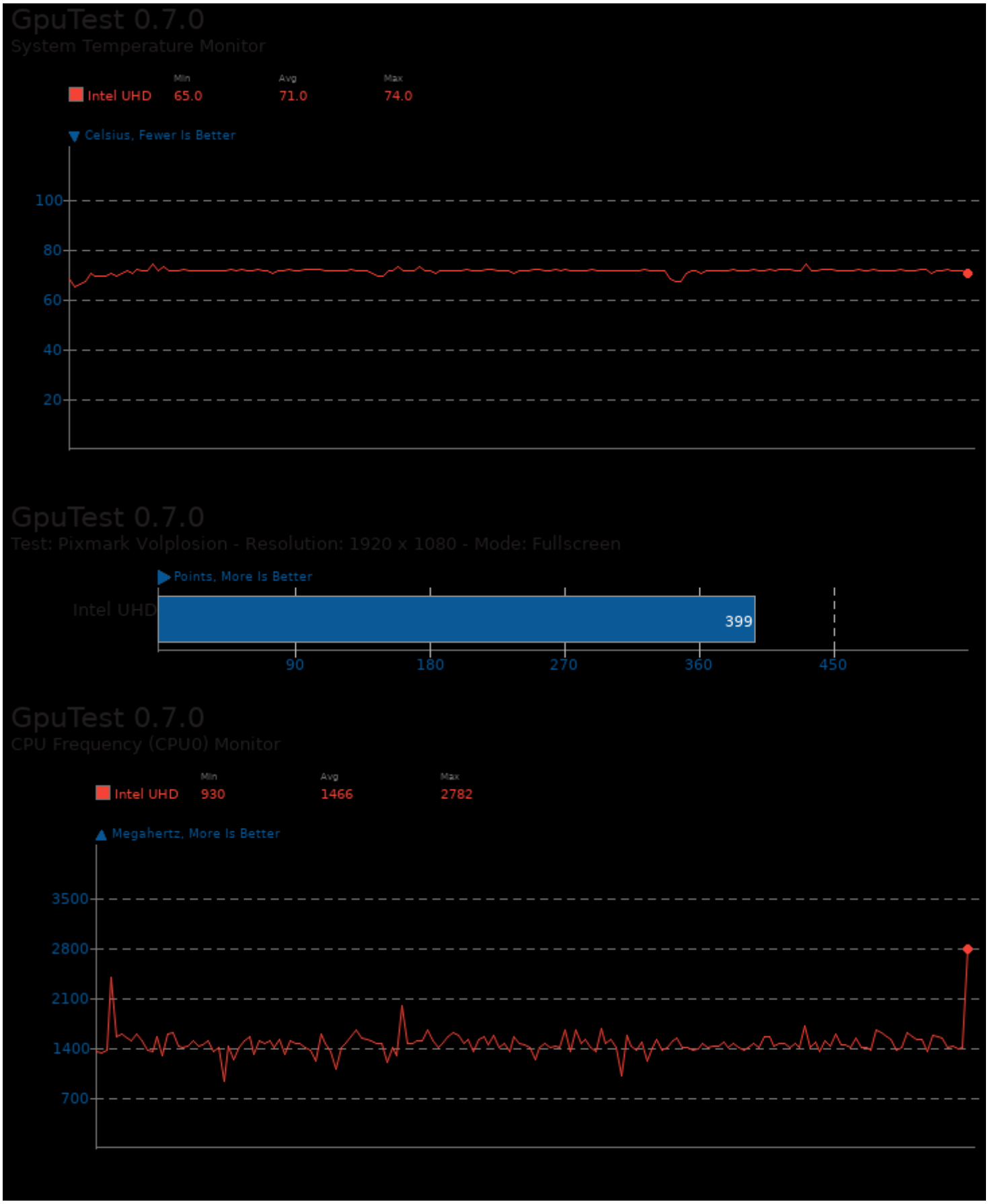

GpuTest 0.7.0
System Temperature Monitor
Min
Avg
Max
Intel UHD
66.0
71.3
74.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
Test: Pixmark Volplosion - Resolution: 1024 x 768 - Mode: Fullscreen
Points, More Is Better
Intel UHD
399
90
180
270
360
450
GpuTest 0.7.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
702
1450
3104
Megahertz, More Is Better
4000
3200
2400
1600
800


GpuTest 0.7.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
949
1435
2917
Megahertz, More Is Better
3500
2800
2100
1400
700
GpuTest 0.7.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
855
1457
3097
Megahertz, More Is Better
4000
3200
2400
1600
800

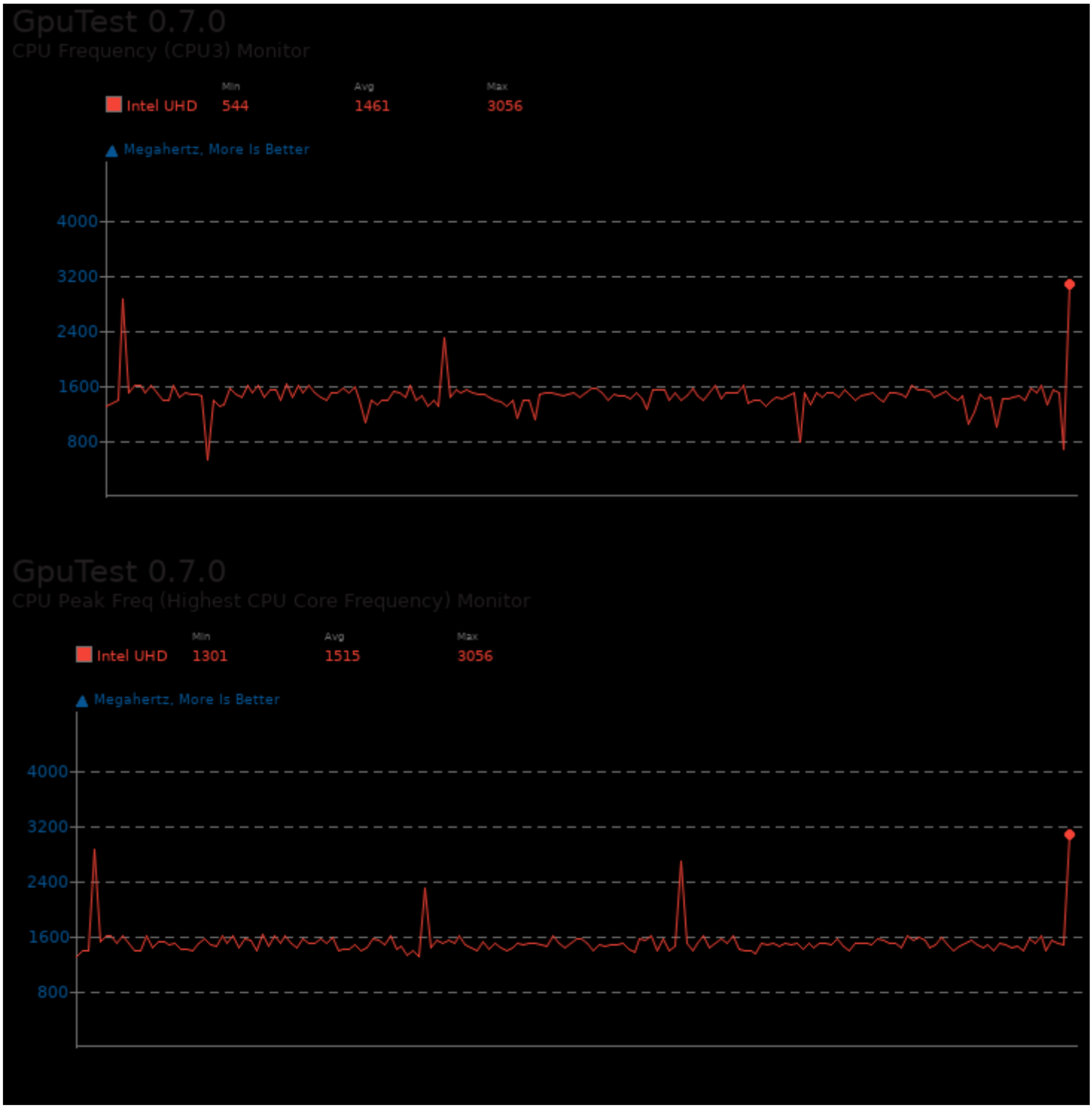

GpuTest 0.7.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
702
1467
2987
Megahertz, More Is Better
3500
2800
2100
1400
700
GpuTest 0.7.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1303
1520
3104
Megahertz, More Is Better
4000
3200
2400
1600
800

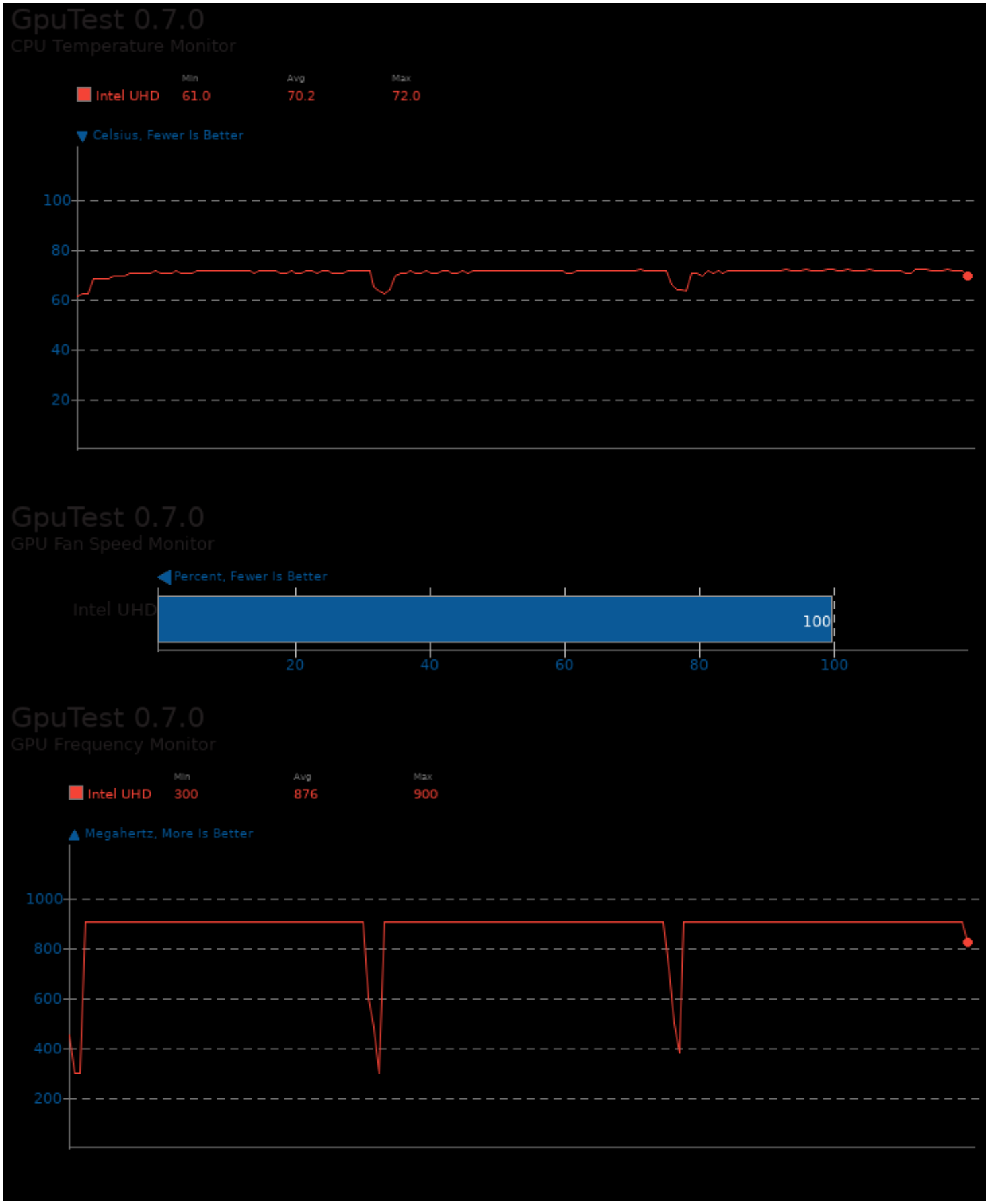

GpuTest 0.7.0
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
62.0
70.5
73.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
GpuTest 0.7.0
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
882
900
Megahertz, More Is Better
1000
800
600
400
200

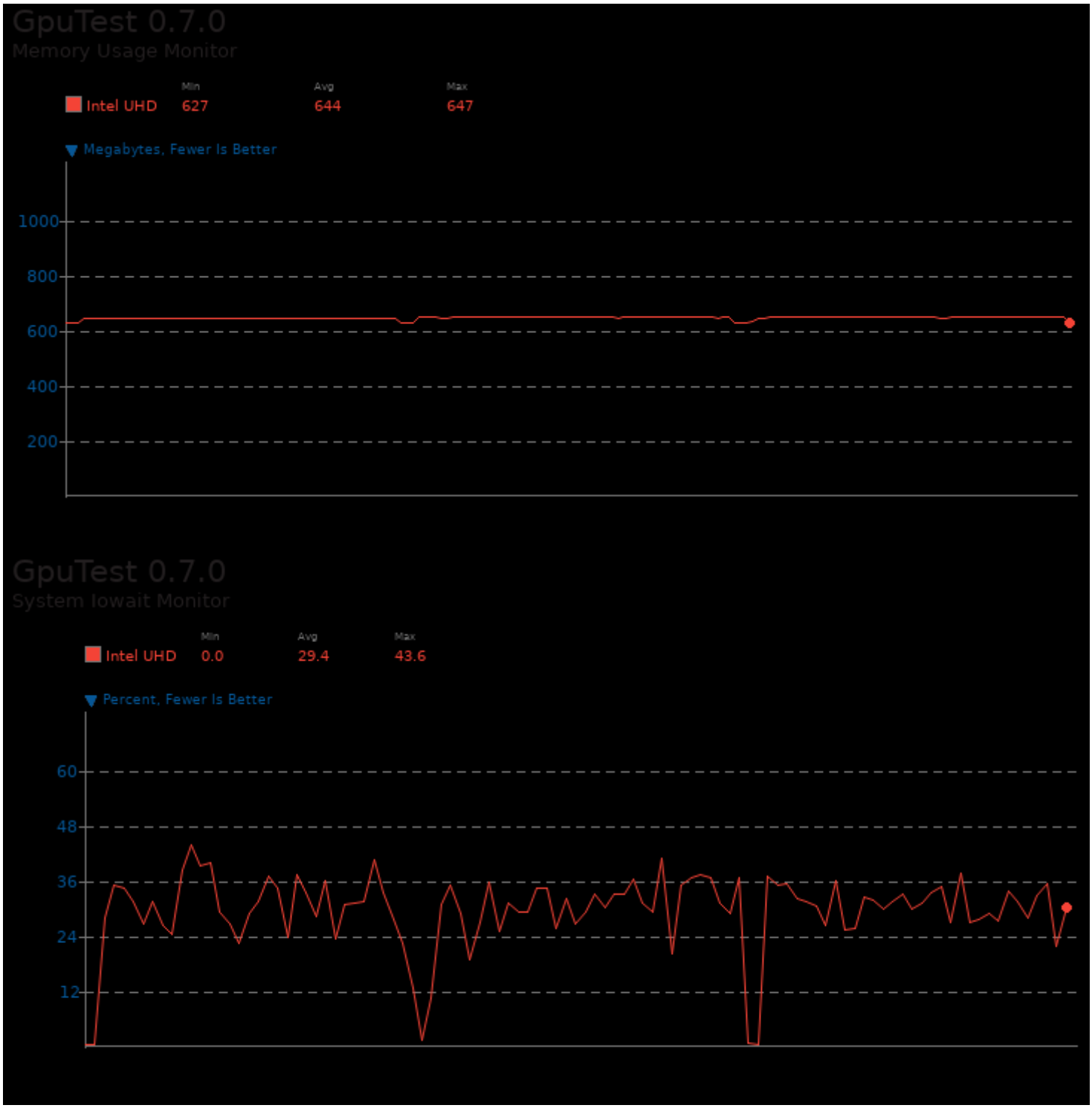

GpuTest 0.7.0
Memory Usage Monitor
Min
Avg
Max
Intel UHD
627
645
647
Megabytes, Fewer Is Better
1000
800
600
400
200
GpuTest 0.7.0
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.0
28.1
42.0
Percent, Fewer Is Better
60
48
36
24
12


GpuTest 0.7.0
System Temperature Monitor
Min
Avg
Max
Intel UHD
65.0
71.0
74.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
Test: Pixmark Volplosion - Resolution: 1920 x 1080 - Mode: Fullscreen
Points, More Is Better
Intel UHD
399
90
180
270
360
450
GpuTest 0.7.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
930
1466
2782
Megahertz, More Is Better
3500
2800
2100
1400
700

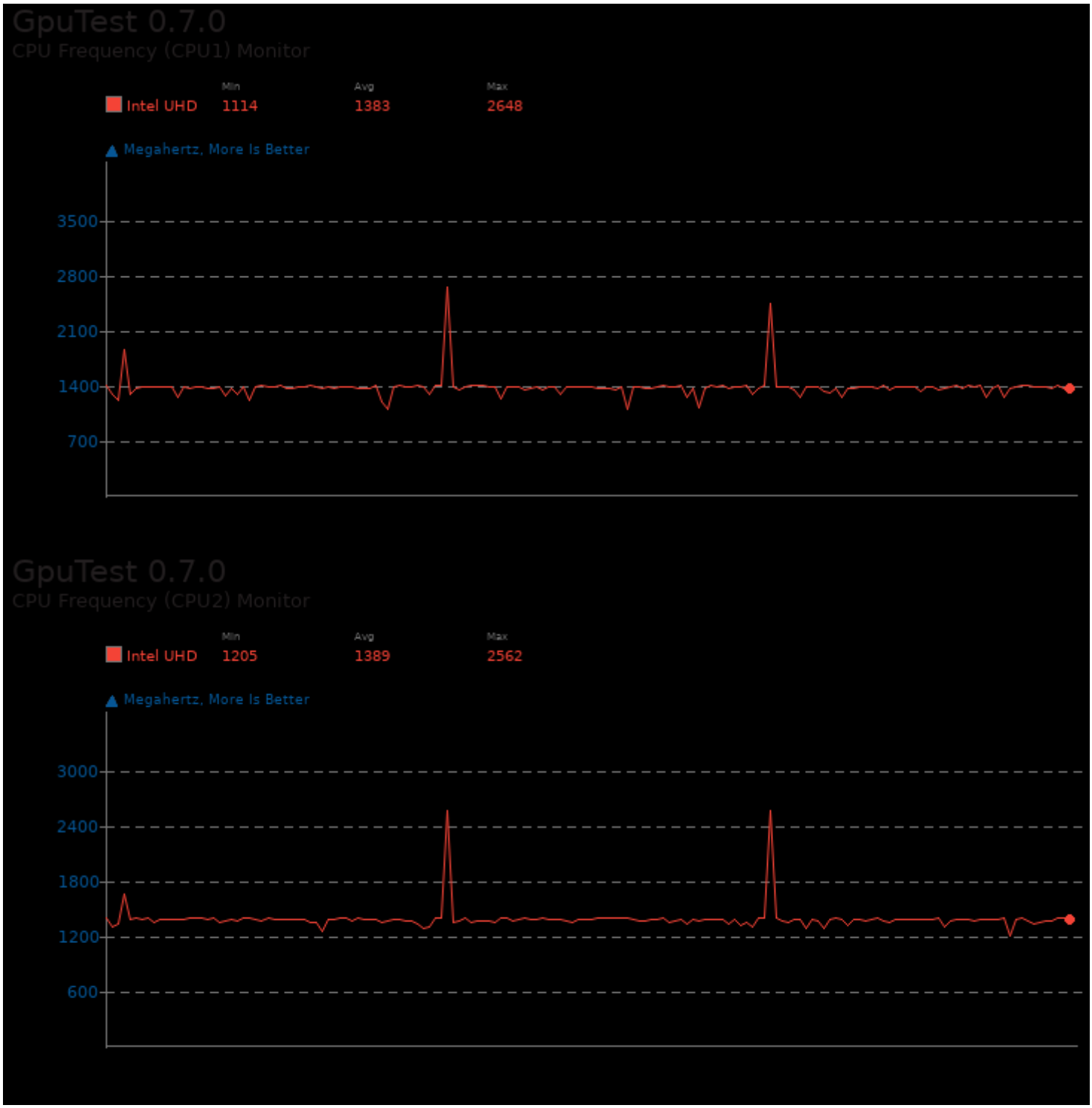

GpuTest 0.7.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
776
1411
2595
Megahertz, More Is Better
3500
2800
2100
1400
700
GpuTest 0.7.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
988
1448
2359
Megahertz, More Is Better
3000
2400
1800
1200
600

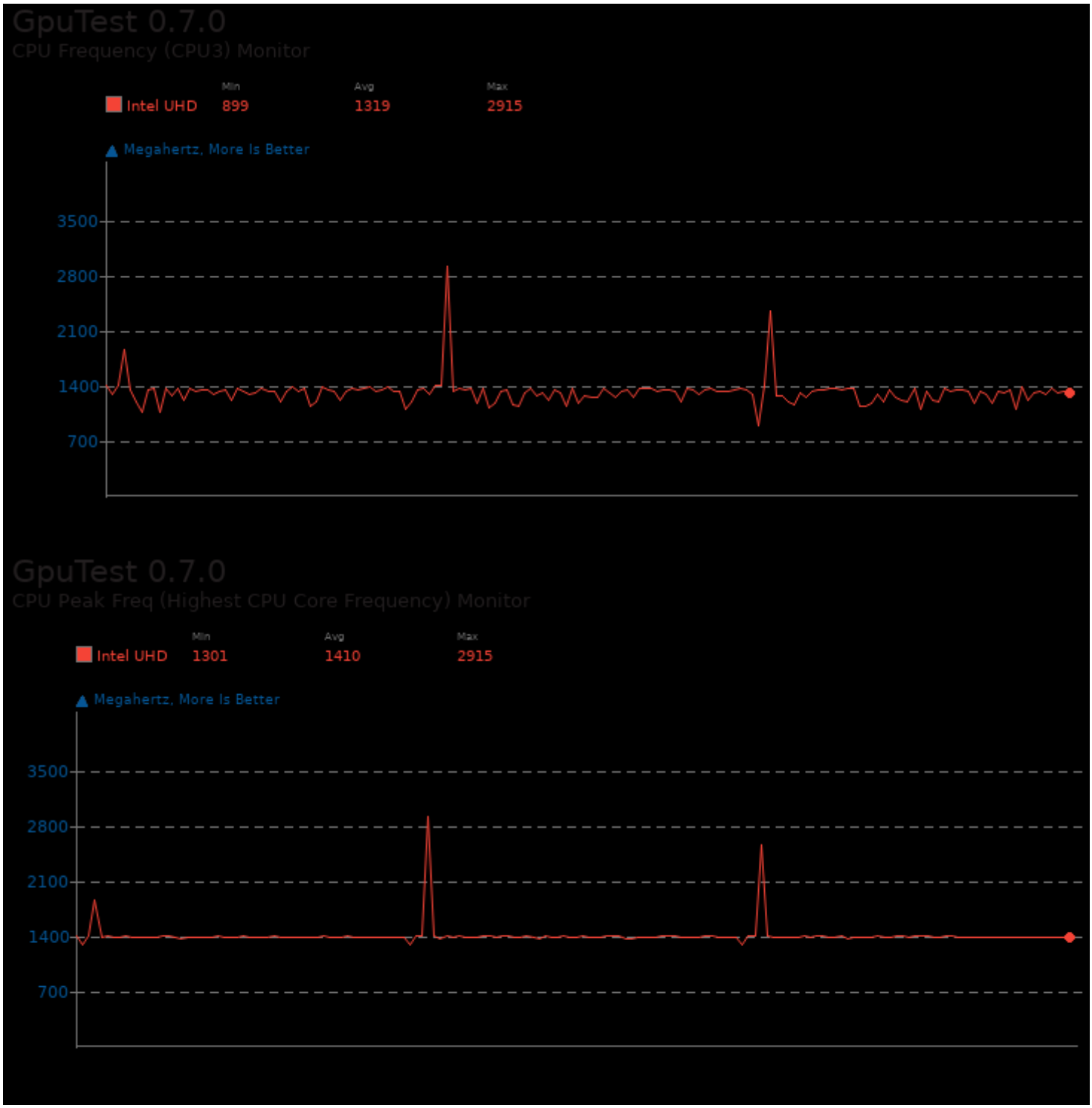

GpuTest 0.7.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
544
1461
3056
Megahertz, More Is Better
4000
3200
2400
1600
800
GpuTest 0.7.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1301
1515
3056
Megahertz, More Is Better
4000
3200
2400
1600
800

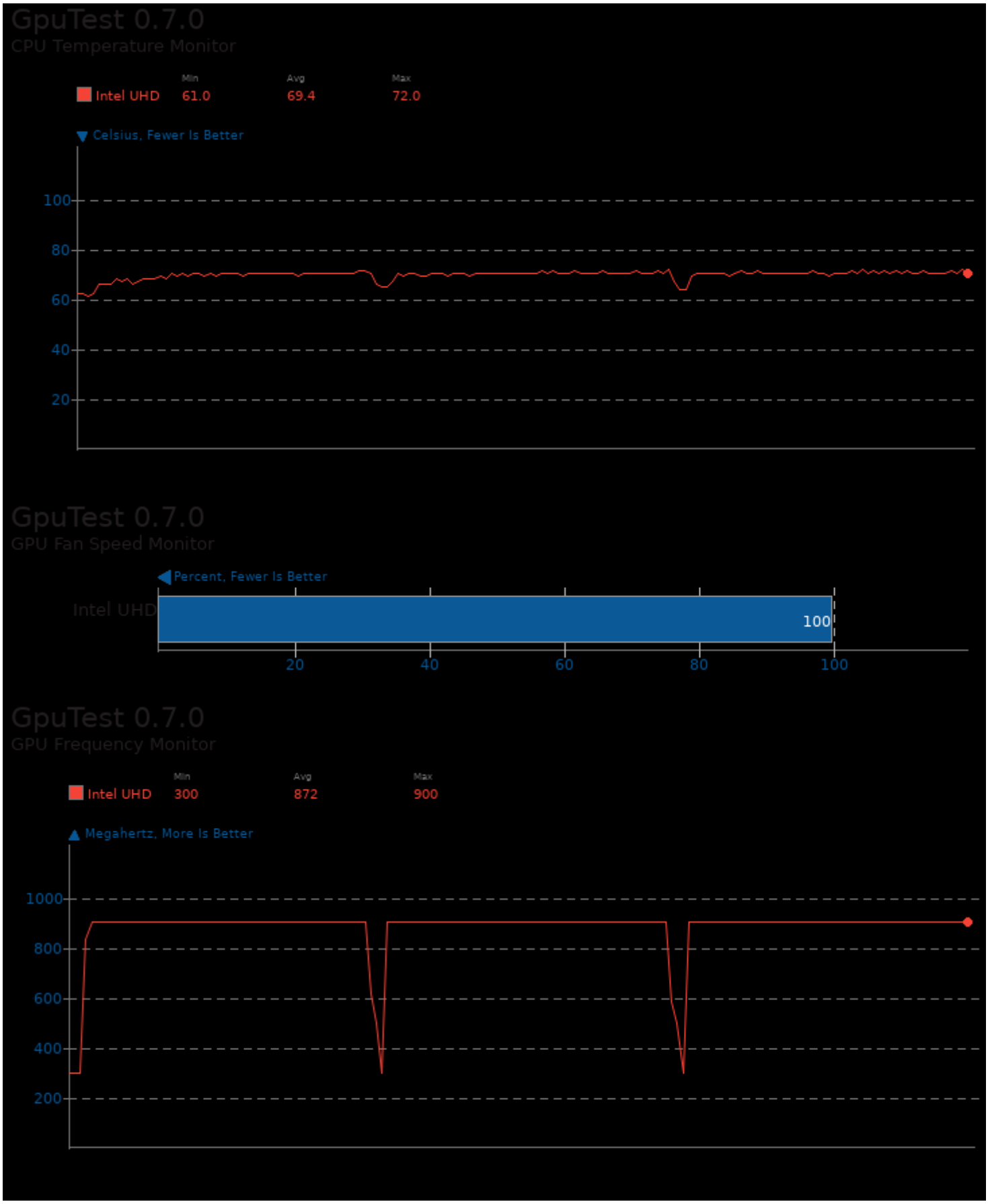

GpuTest 0.7.0
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
61.0
70.2
72.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
GpuTest 0.7.0
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
876
900
Megahertz, More Is Better
1000
800
600
400
200

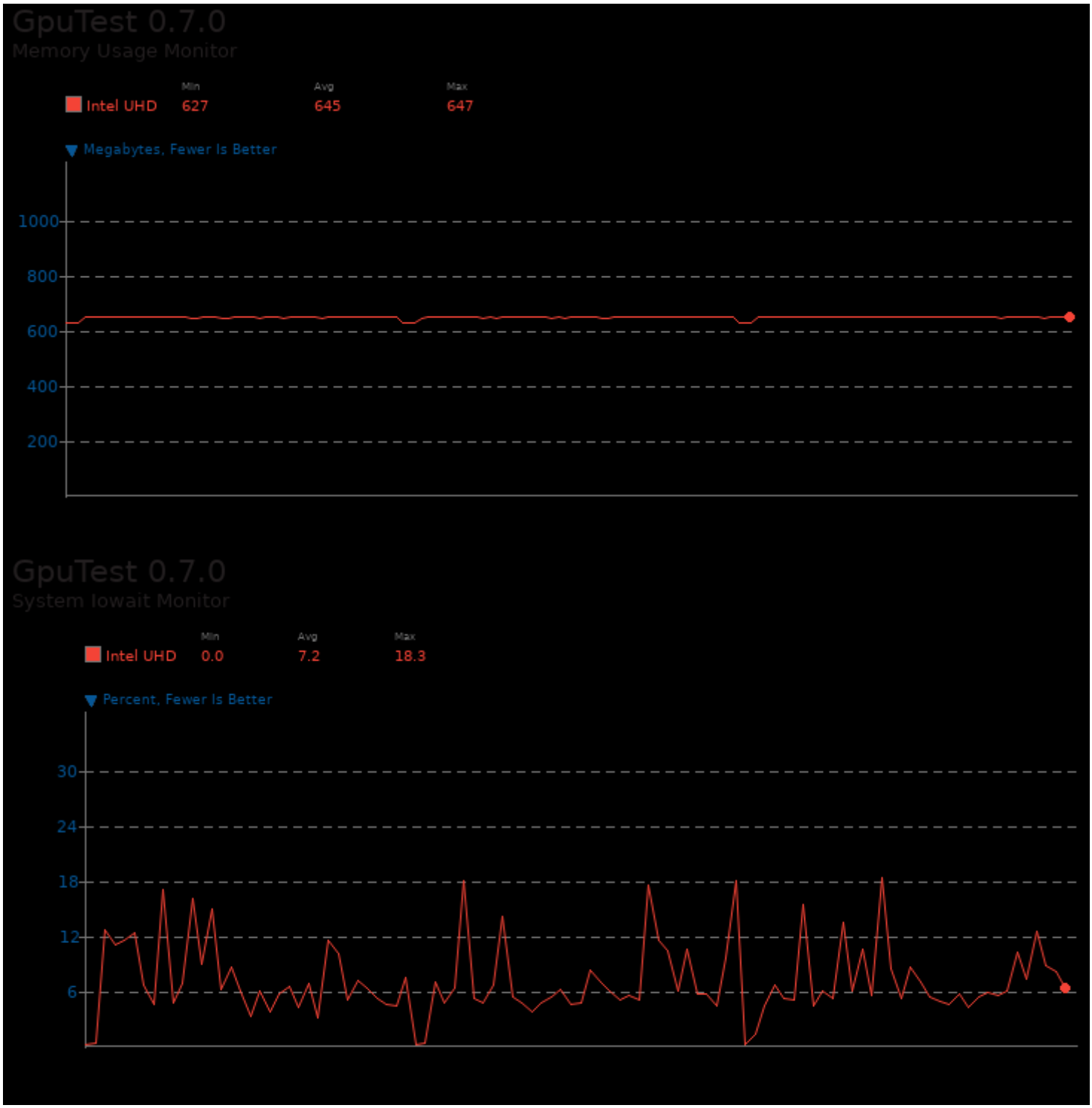

GpuTest 0.7.0
Memory Usage Monitor
Min
Avg
Max
Intel UHD
627
644
647
Megabytes, Fewer Is Better
1000
800
600
400
200
GpuTest 0.7.0
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.0
29.4
43.6
Percent, Fewer Is Better
60
48
36
24
12

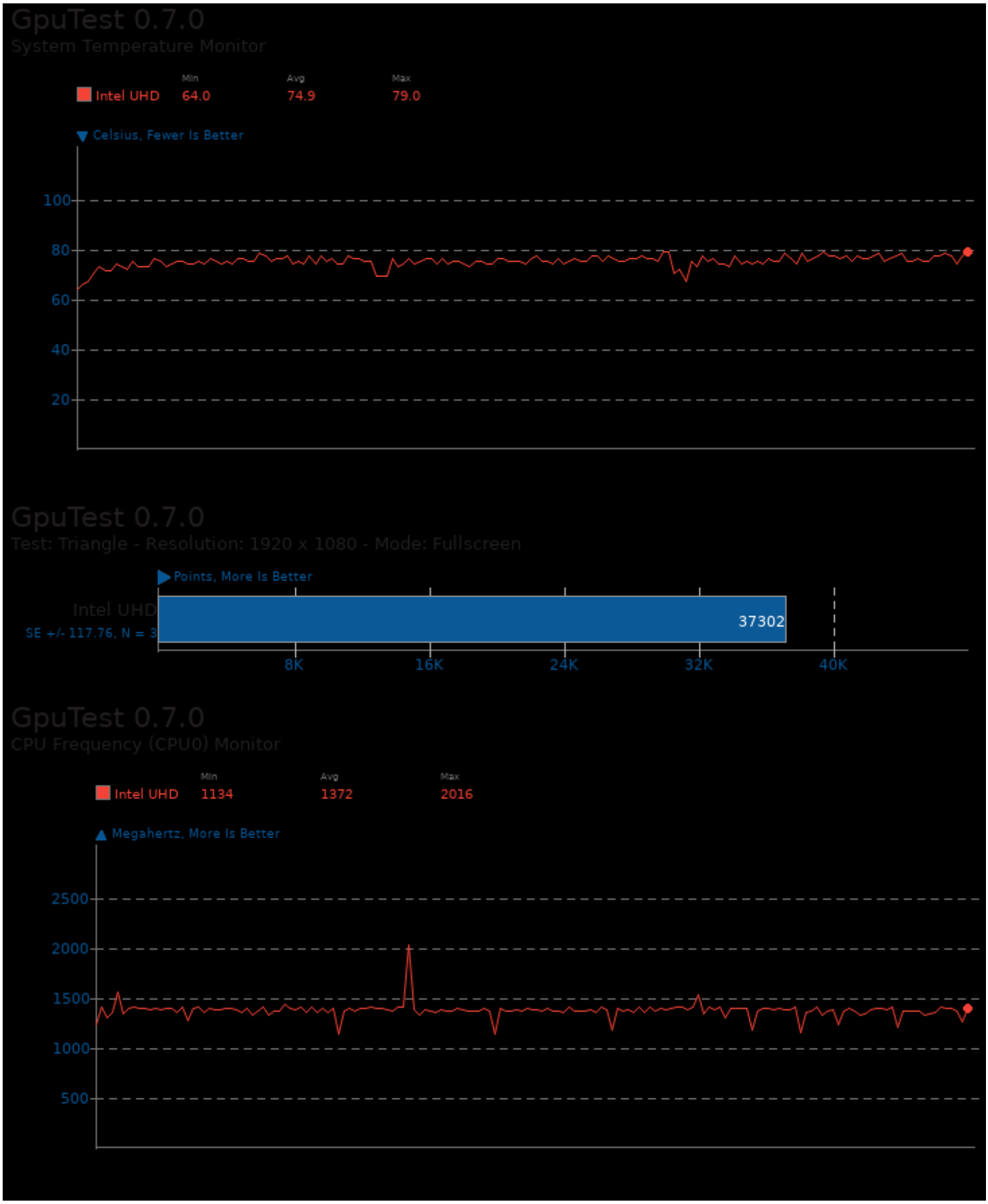

GpuTest 0.7.0
System Temperature Monitor
Min
Avg
Max
Intel UHD
66.0
70.9
82.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
Test: Triangle - Resolution: 1024 x 768 - Mode: Fullscreen
Points, More Is Better
Intel UHD
SE +/- 44.36, N = 3
37542
8K
16K
24K
32K
40K
GpuTest 0.7.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
1041
1383
2649
Megahertz, More Is Better
3500
2800
2100
1400
700

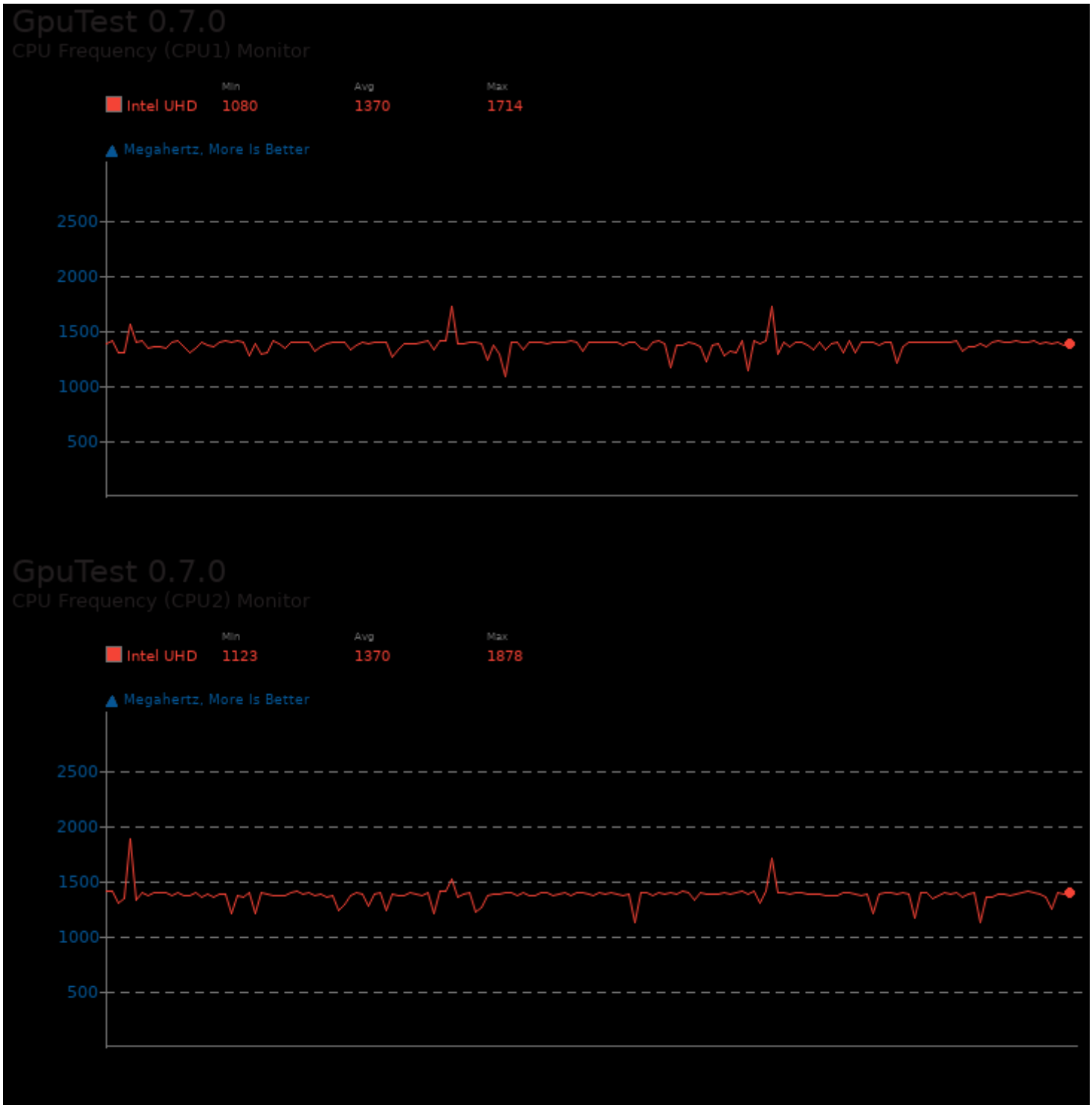

GpuTest 0.7.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
1114
1383
2648
Megahertz, More Is Better
3500
2800
2100
1400
700
GpuTest 0.7.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
1205
1389
2562
Megahertz, More Is Better
3000
2400
1800
1200
600

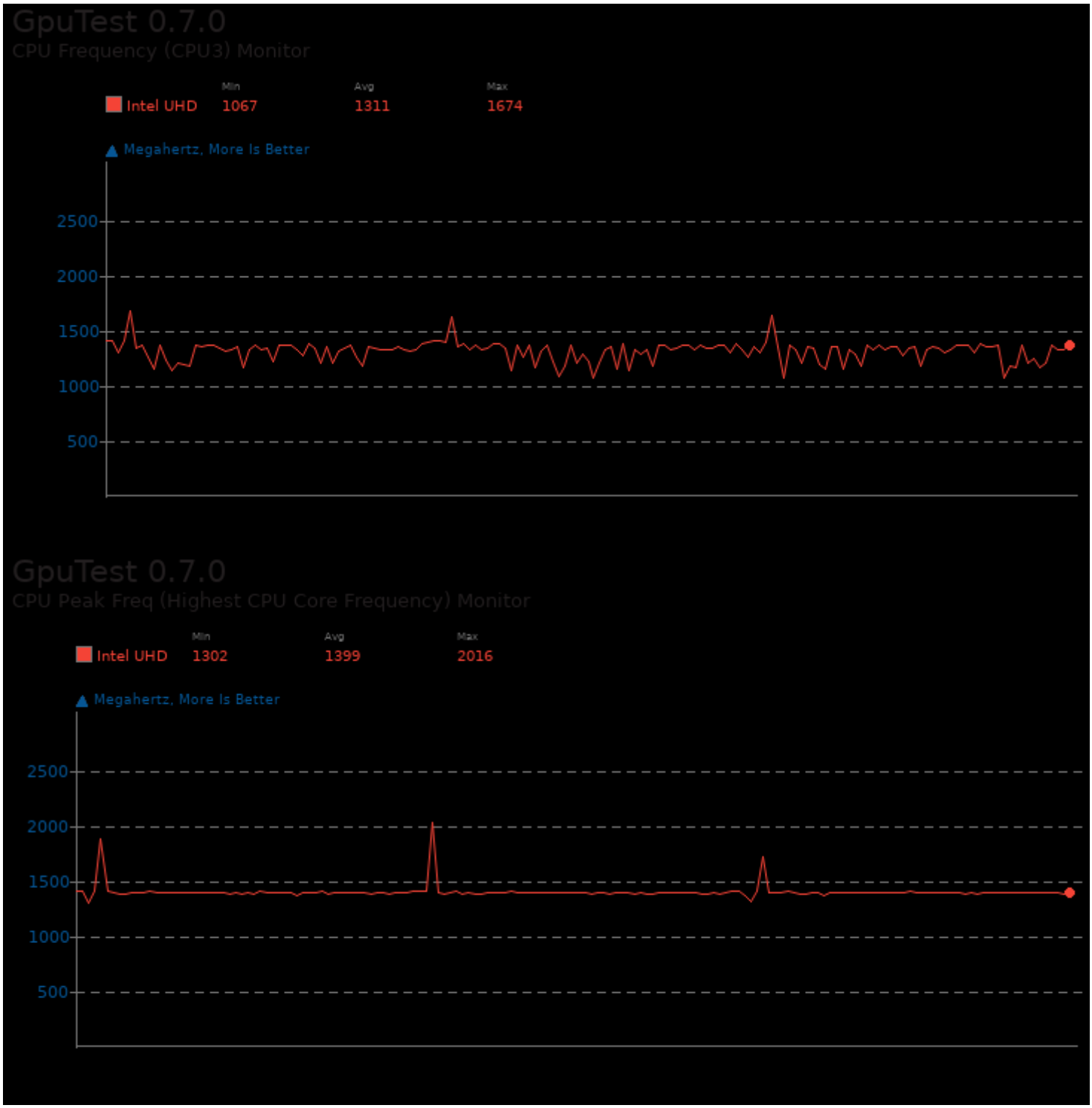

GpuTest 0.7.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
899
1319
2915
Megahertz, More Is Better
3500
2800
2100
1400
700
GpuTest 0.7.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1301
1410
2915
Megahertz, More Is Better
3500
2800
2100
1400
700

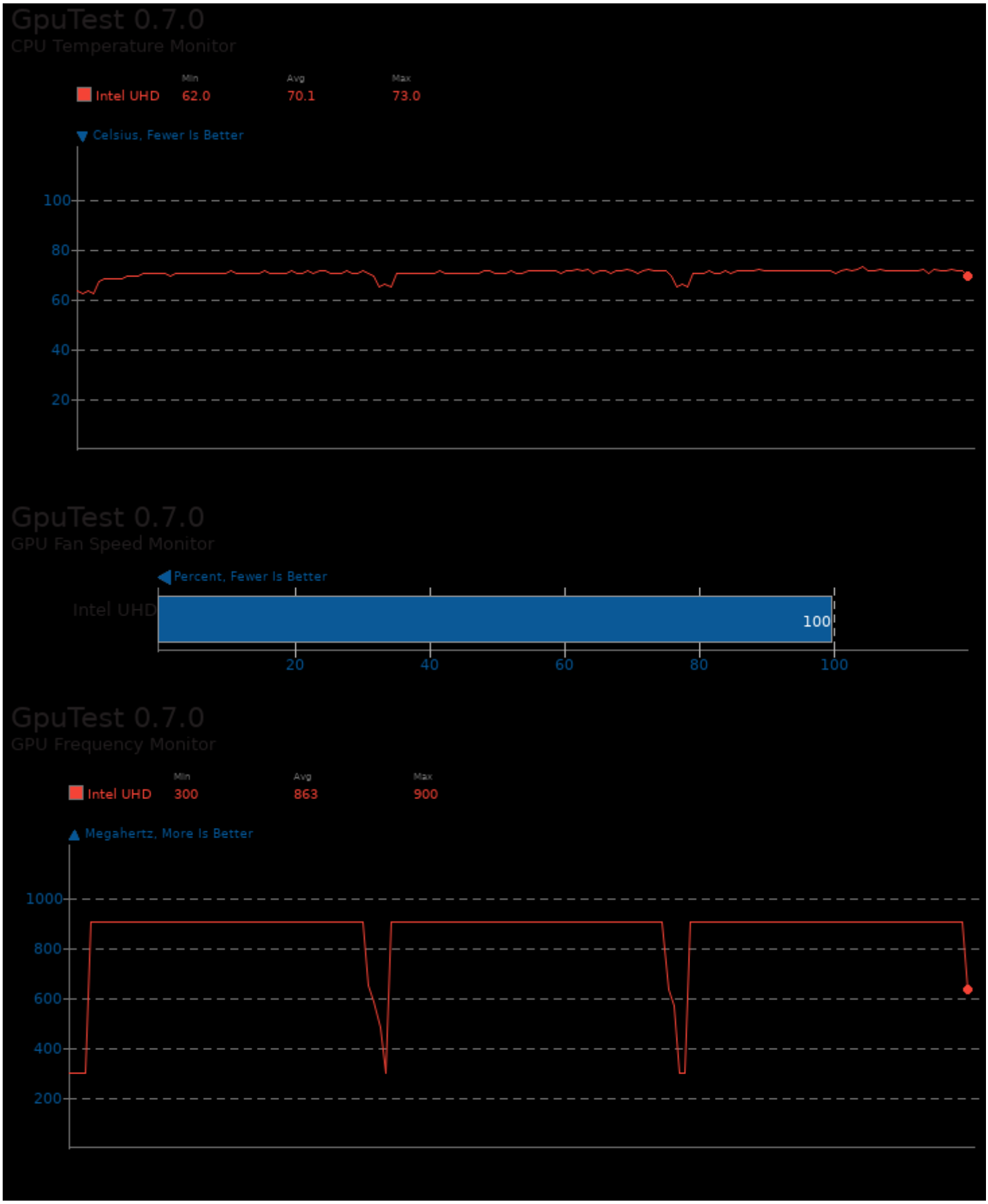

GpuTest 0.7.0
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
61.0
69.4
72.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
GpuTest 0.7.0
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
872
900
Megahertz, More Is Better
1000
800
600
400
200

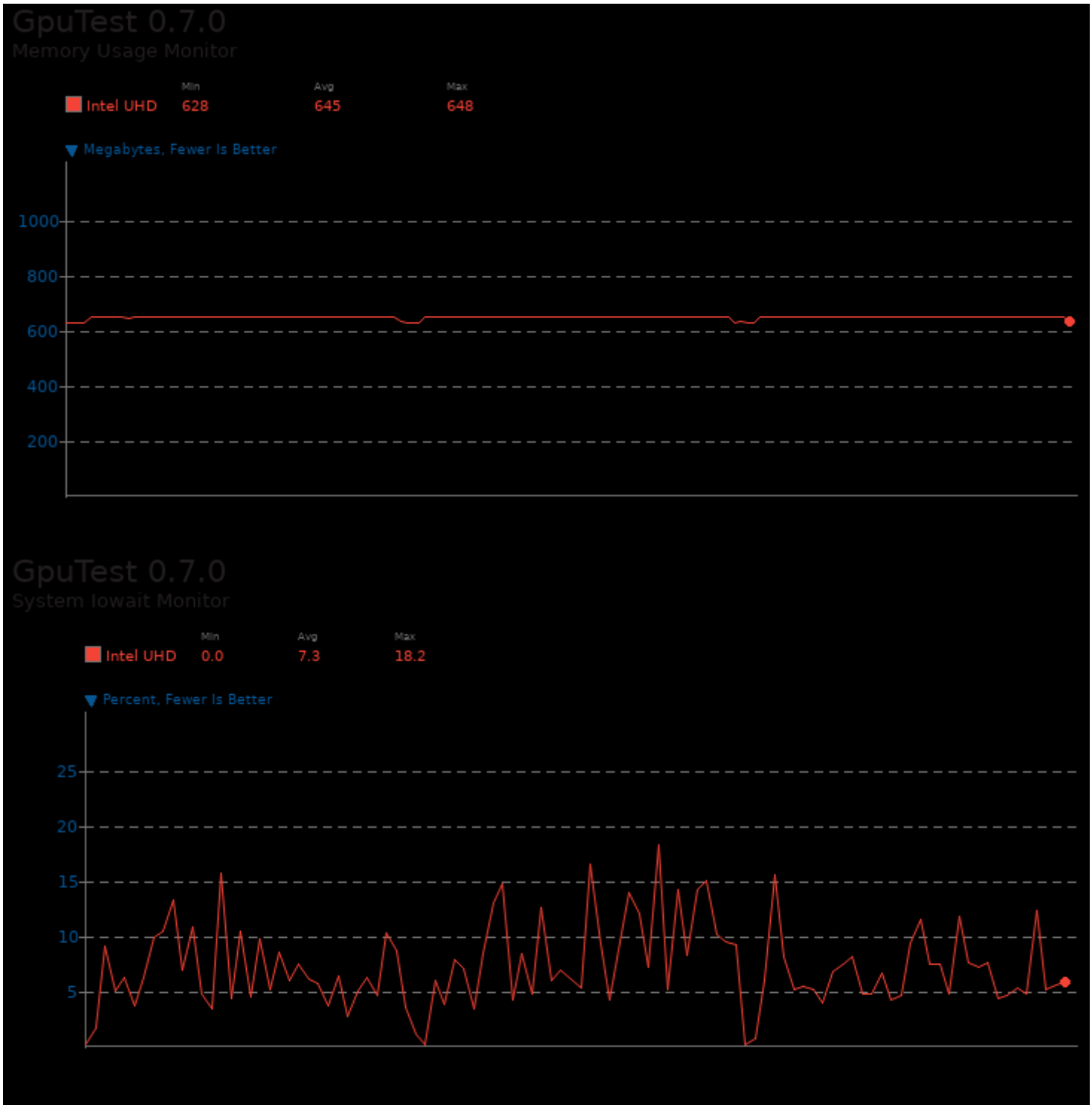

GpuTest 0.7.0
Memory Usage Monitor
Min
Avg
Max
Intel UHD
627
645
647
Megabytes, Fewer Is Better
1000
800
600
400
200
GpuTest 0.7.0
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.0
7.2
18.3
Percent, Fewer Is Better
30
24
18
12
6

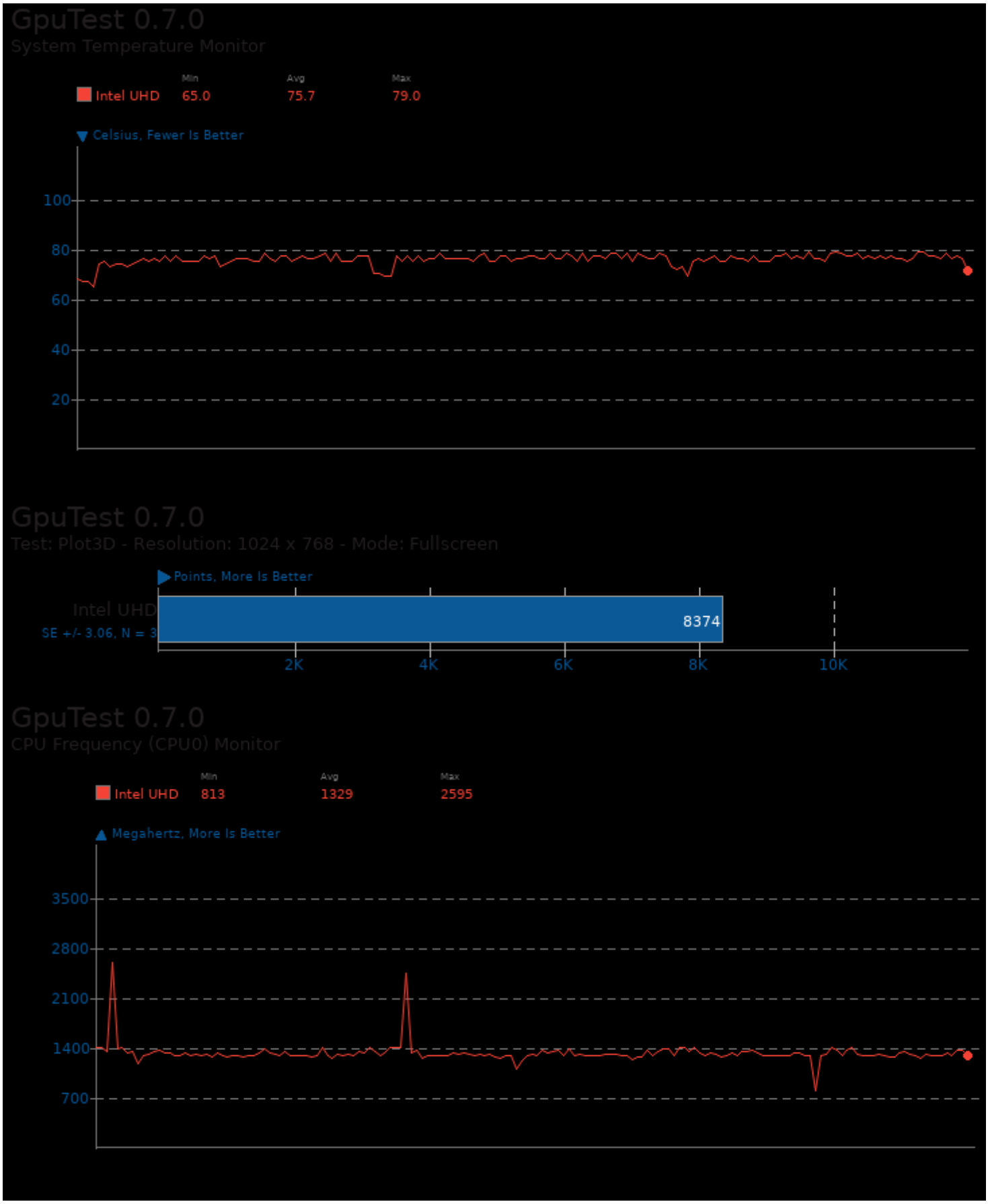

GpuTest 0.7.0
System Temperature Monitor
Min
Avg
Max
Intel UHD
64.0
74.9
79.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
Test: Triangle - Resolution: 1920 x 1080 - Mode: Fullscreen
Points, More Is Better
Intel UHD
SE +/- 117.76, N = 3
37302
8K
16K
24K
32K
40K
GpuTest 0.7.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
1134
1372
2016
Megahertz, More Is Better
2500
2000
1500
1000
500

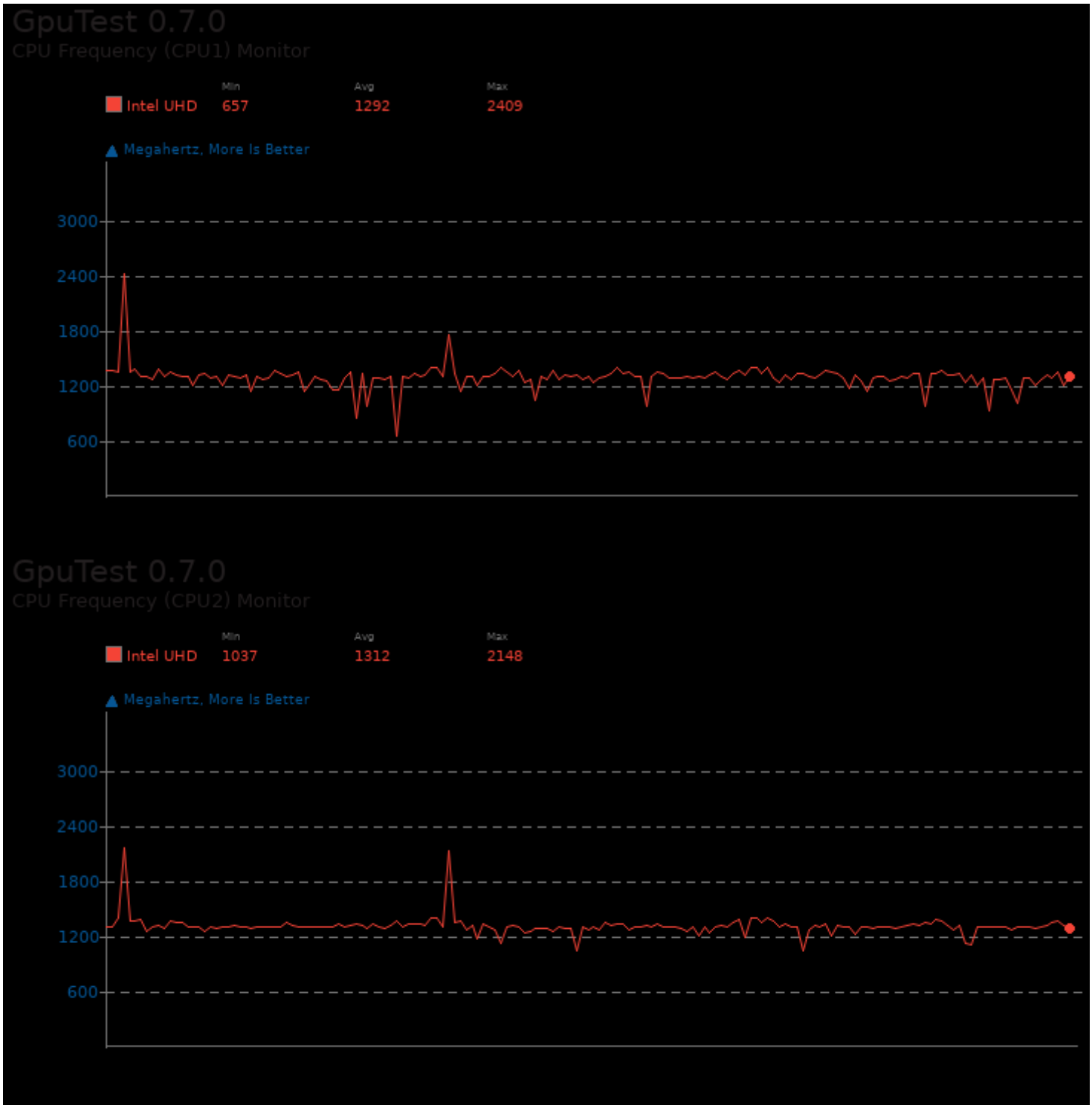

GpuTest 0.7.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
1080
1370
1714
Megahertz, More Is Better
2500
2000
1500
1000
500
GpuTest 0.7.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
1123
1370
1878
Megahertz, More Is Better
2500
2000
1500
1000
500

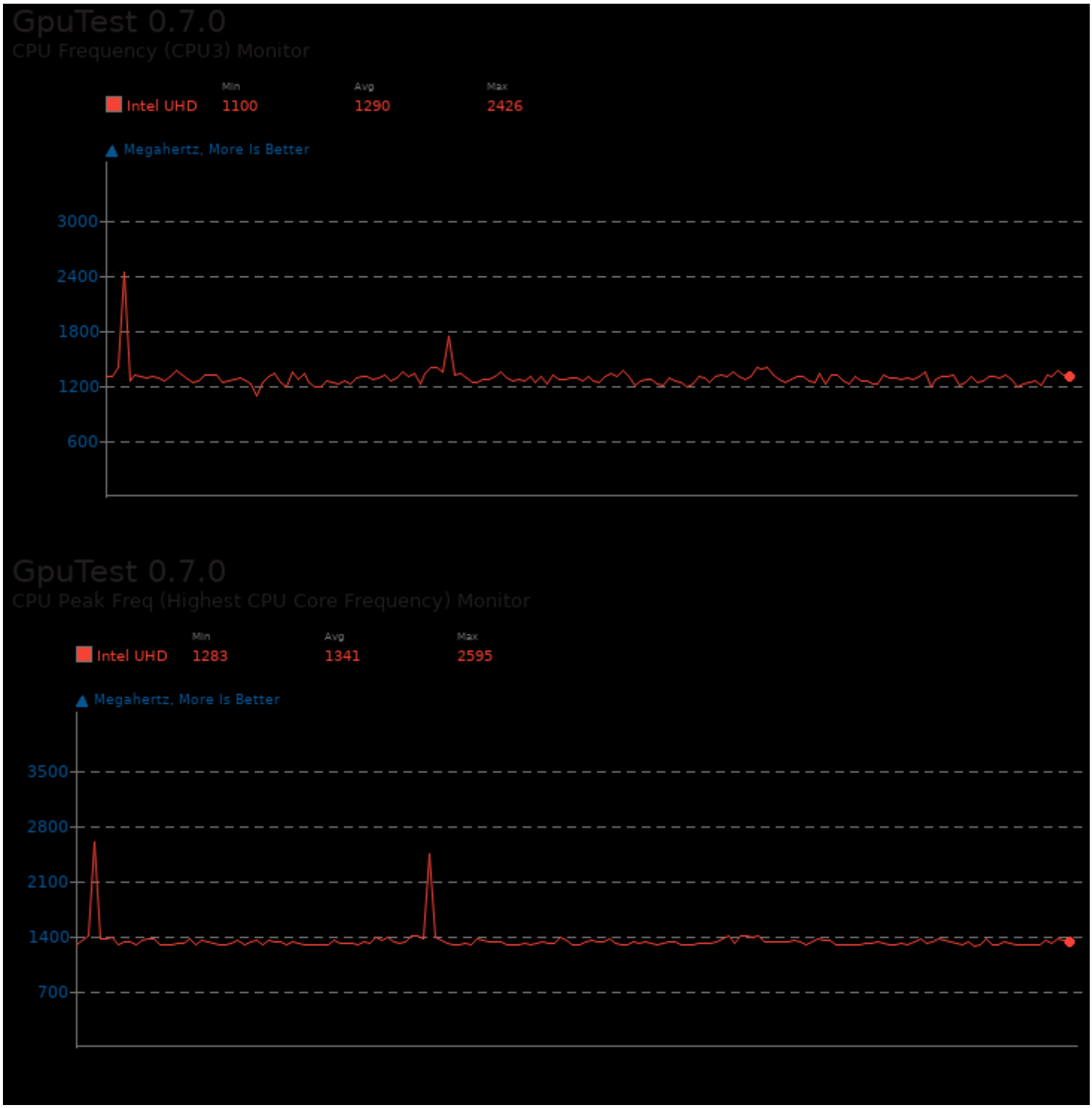

GpuTest 0.7.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
1067
1311
1674
Megahertz, More Is Better
2500
2000
1500
1000
500
GpuTest 0.7.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1302
1399
2016
Megahertz, More Is Better
2500
2000
1500
1000
500

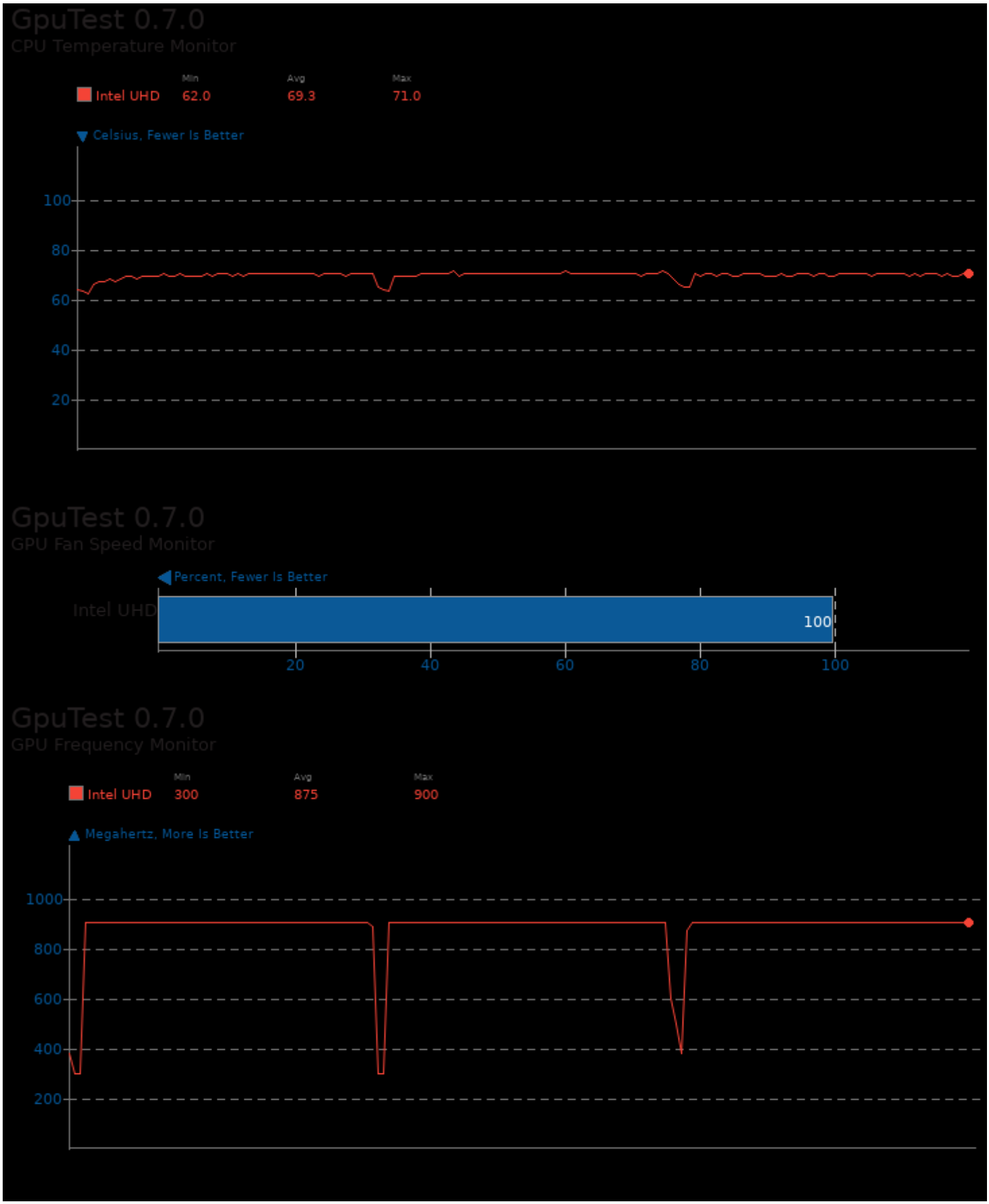

GpuTest 0.7.0
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
62.0
70.1
73.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
GpuTest 0.7.0
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
863
900
Megahertz, More Is Better
1000
800
600
400
200

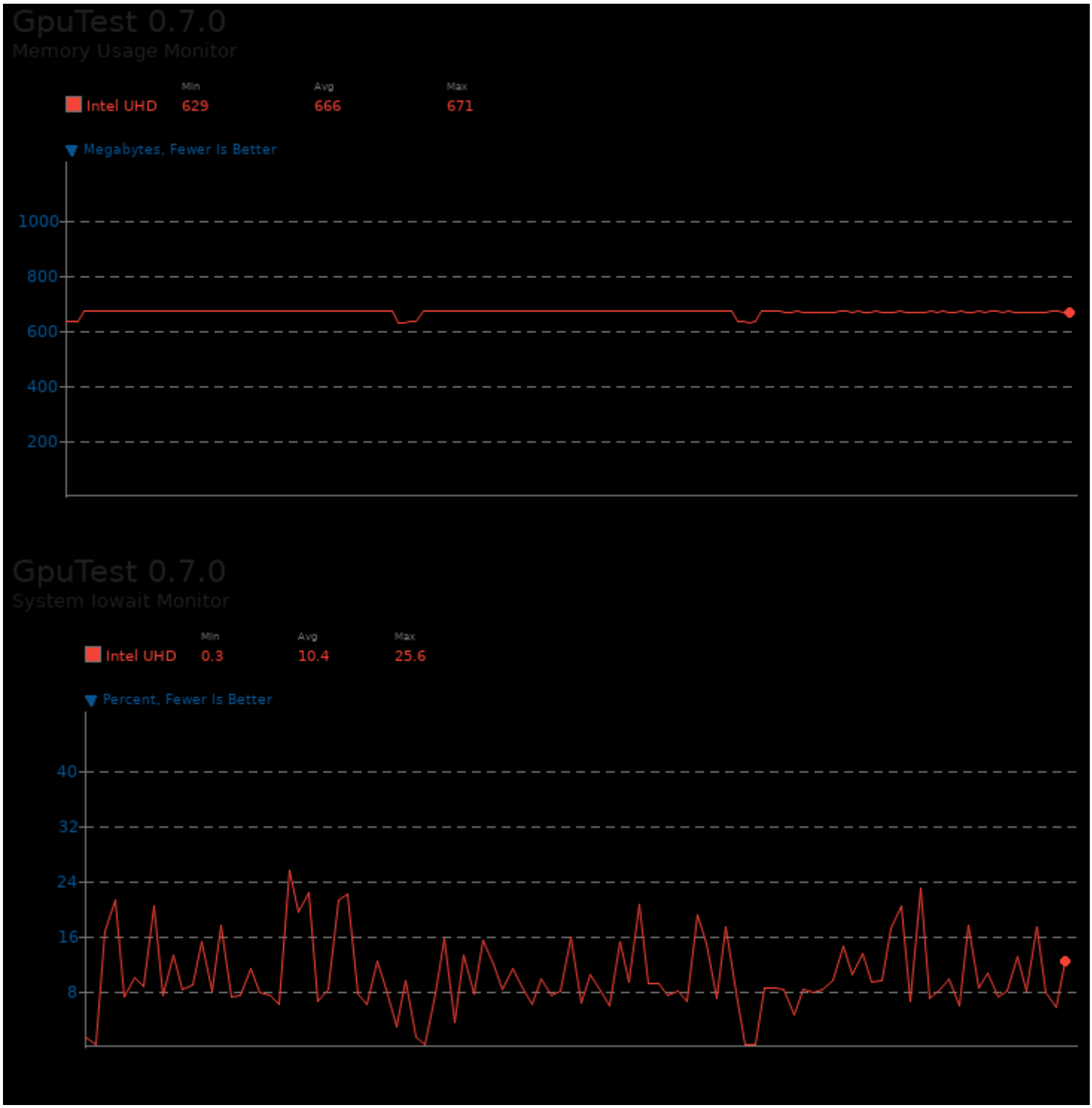

GpuTest 0.7.0
Memory Usage Monitor
Min
Avg
Max
Intel UHD
628
645
648
Megabytes, Fewer Is Better
1000
800
600
400
200
GpuTest 0.7.0
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.0
7.3
18.2
Percent, Fewer Is Better
25
20
15
10
5

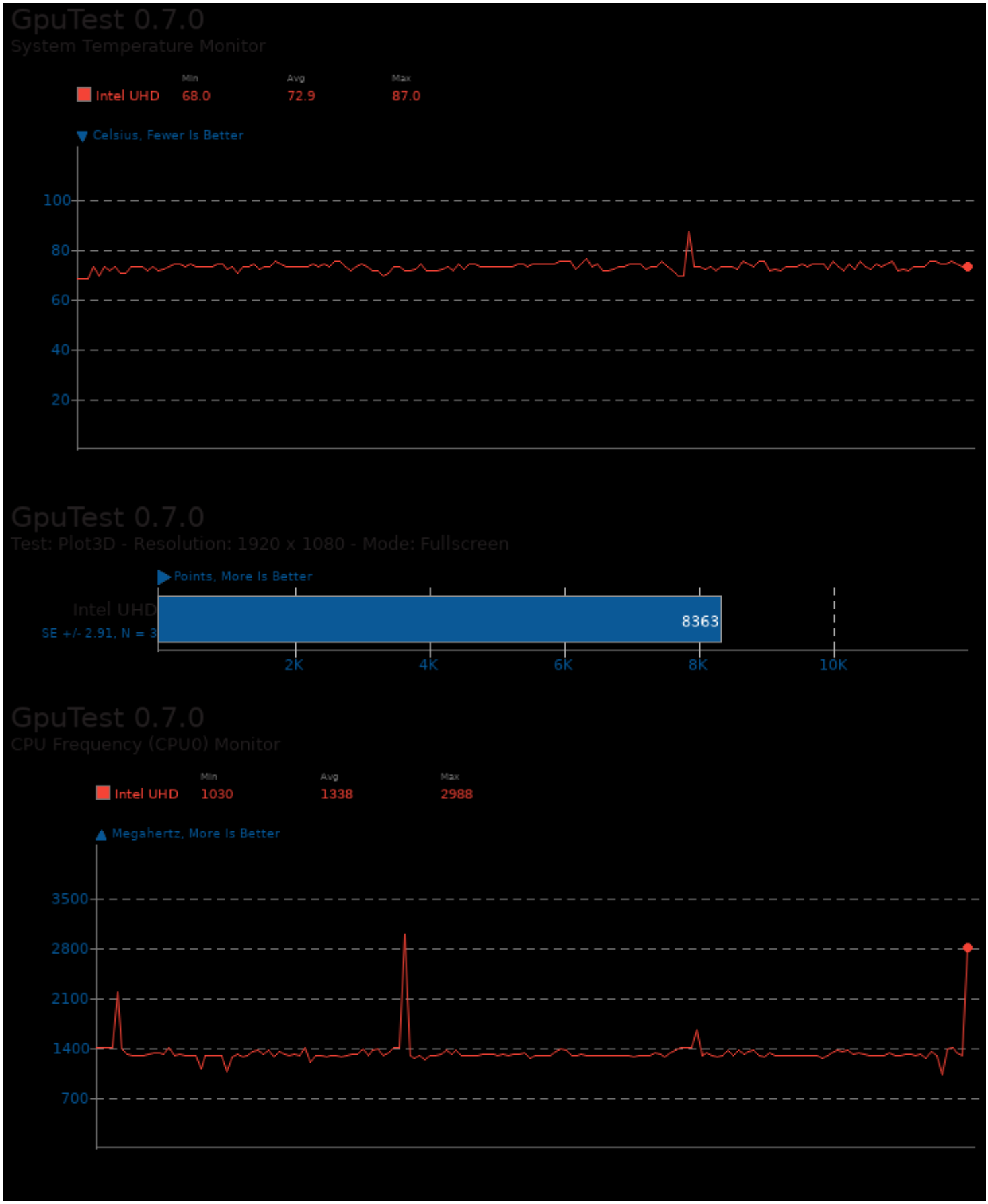

GpuTest 0.7.0
System Temperature Monitor
Min
Avg
Max
Intel UHD
65.0
75.7
79.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
Test: Plot3D - Resolution: 1024 x 768 - Mode: Fullscreen
Points, More Is Better
Intel UHD
SE +/- 3.06, N = 3
8374
2K
4K
6K
8K
10K
GpuTest 0.7.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
813
1329
2595
Megahertz, More Is Better
3500
2800
2100
1400
700


GpuTest 0.7.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
657
1292
2409
Megahertz, More Is Better
3000
2400
1800
1200
600
GpuTest 0.7.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
1037
1312
2148
Megahertz, More Is Better
3000
2400
1800
1200
600


GpuTest 0.7.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
1100
1290
2426
Megahertz, More Is Better
3000
2400
1800
1200
600
GpuTest 0.7.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1283
1341
2595
Megahertz, More Is Better
3500
2800
2100
1400
700

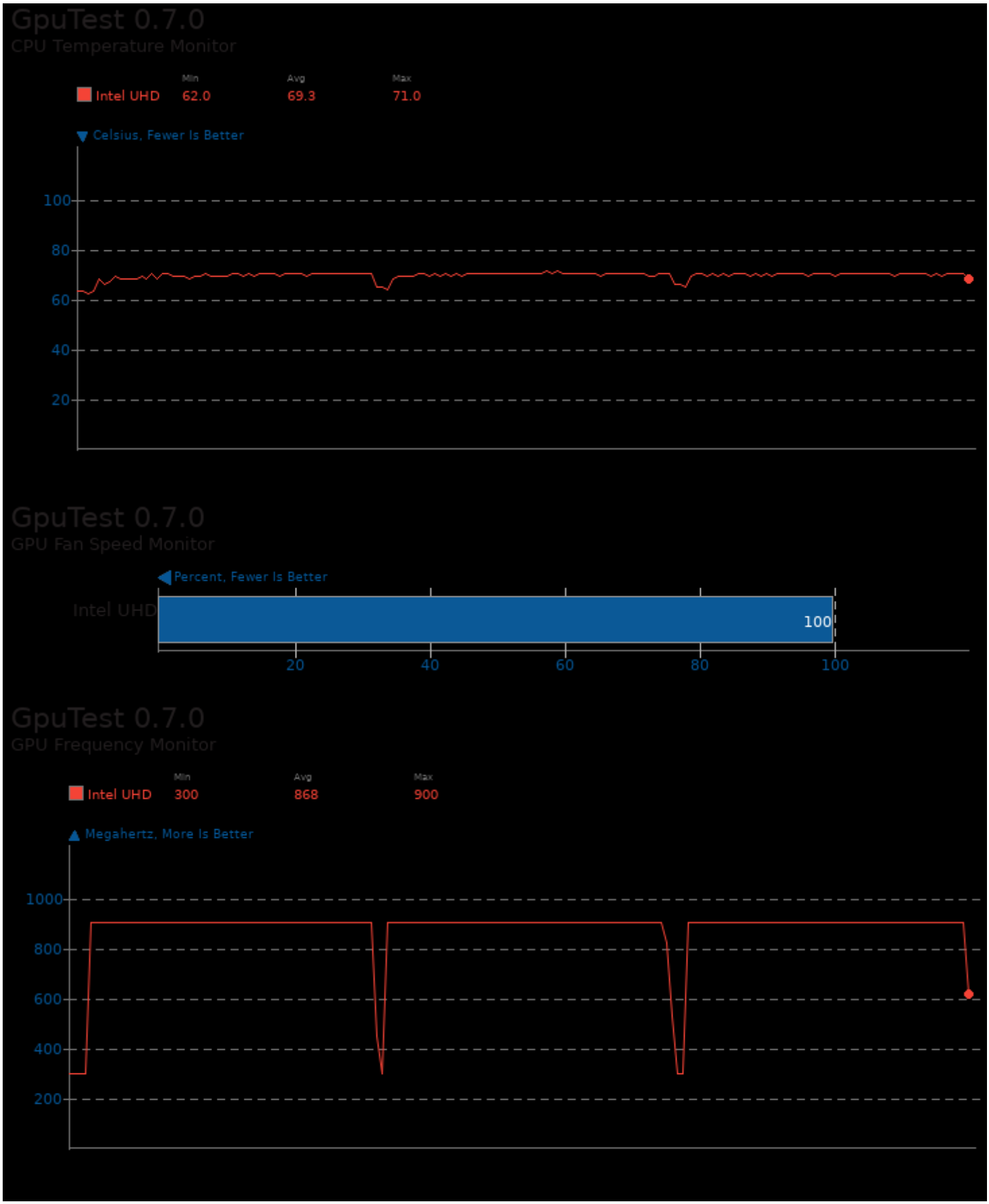

GpuTest 0.7.0
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
62.0
69.3
71.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
GpuTest 0.7.0
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
875
900
Megahertz, More Is Better
1000
800
600
400
200

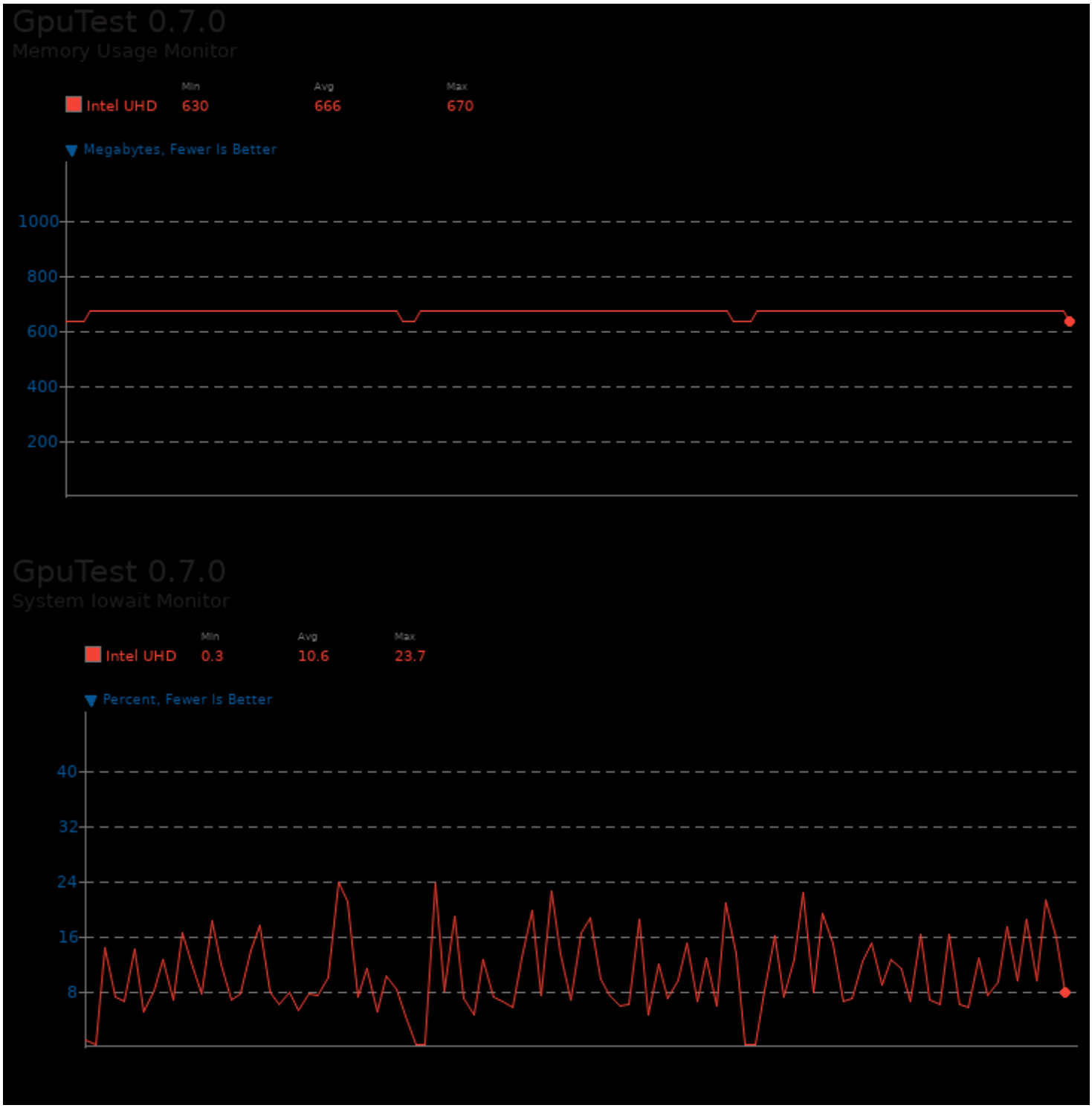

GpuTest 0.7.0
Memory Usage Monitor
Min
Avg
Max
Intel UHD
629
666
671
Megabytes, Fewer Is Better
1000
800
600
400
200
GpuTest 0.7.0
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.3
10.4
25.6
Percent, Fewer Is Better
40
32
24
16
8

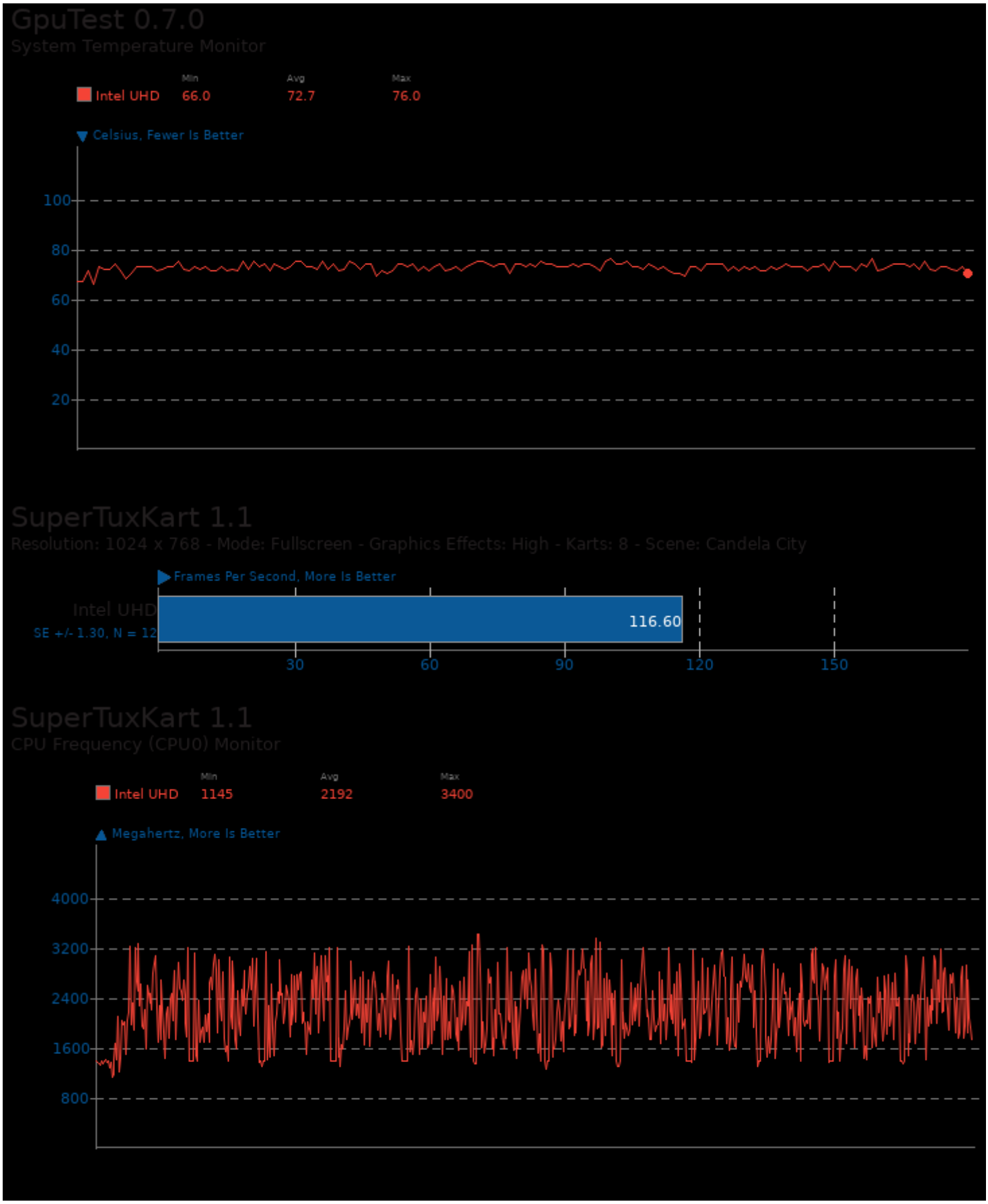

GpuTest 0.7.0
System Temperature Monitor
Min
Avg
Max
Intel UHD
68.0
72.9
87.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
Test: Plot3D - Resolution: 1920 x 1080 - Mode: Fullscreen
Points, More Is Better
Intel UHD
SE +/- 2.91, N = 3
8363
2K
4K
6K
8K
10K
GpuTest 0.7.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
1030
1338
2988
Megahertz, More Is Better
3500
2800
2100
1400
700


GpuTest 0.7.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
913
1295
2562
Megahertz, More Is Better
3000
2400
1800
1200
600
GpuTest 0.7.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
1012
1320
2422
Megahertz, More Is Better
3000
2400
1800
1200
600


GpuTest 0.7.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
987
1293
2196
Megahertz, More Is Better
3000
2400
1800
1200
600
GpuTest 0.7.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1287
1361
2988
Megahertz, More Is Better
3500
2800
2100
1400
700

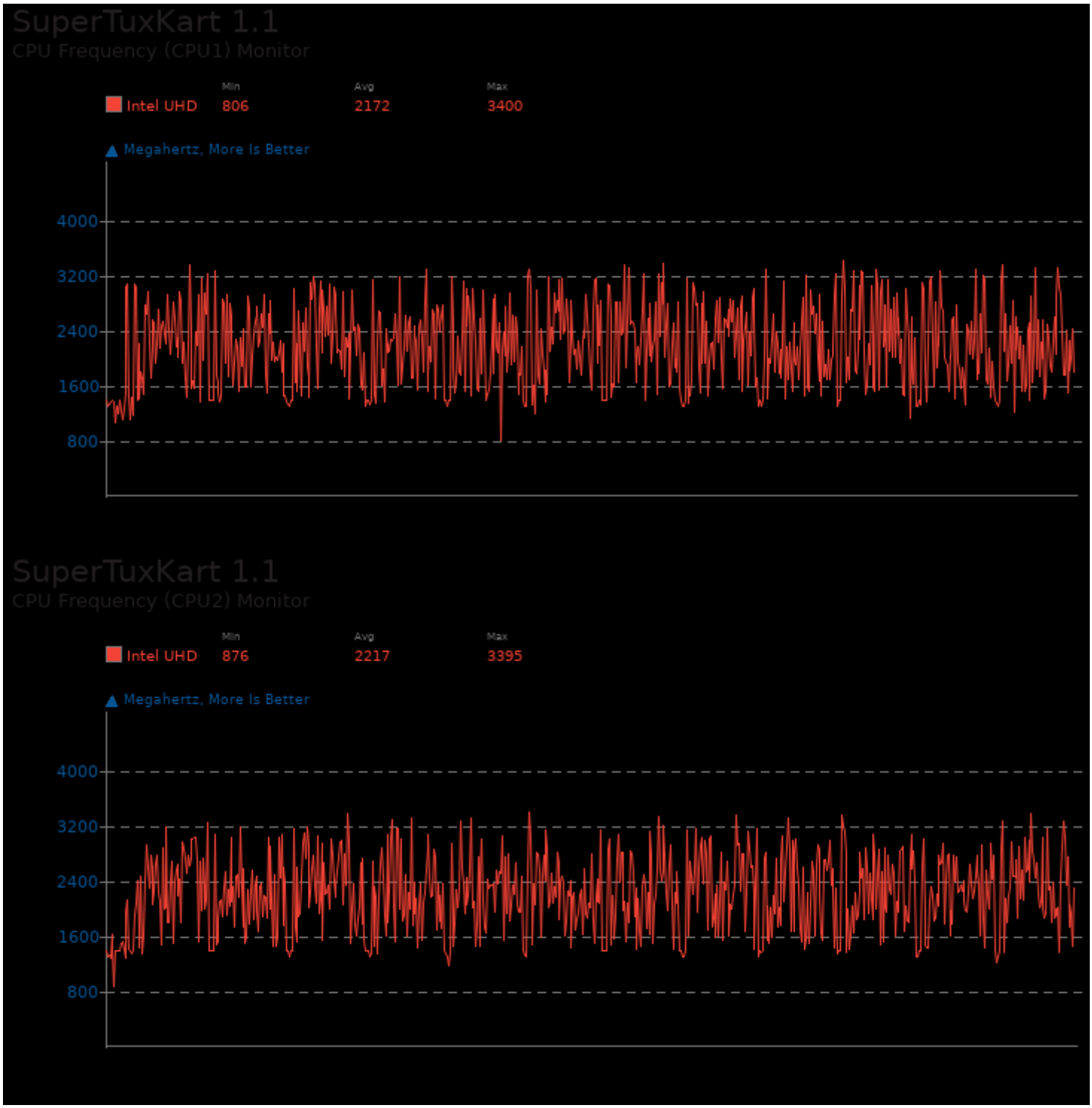

GpuTest 0.7.0
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
62.0
69.3
71.0
Celsius, Fewer Is Better
100
80
60
40
20
GpuTest 0.7.0
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
GpuTest 0.7.0
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
868
900
Megahertz, More Is Better
1000
800
600
400
200


GpuTest 0.7.0
Memory Usage Monitor
Min
Avg
Max
Intel UHD
630
666
670
Megabytes, Fewer Is Better
1000
800
600
400
200
GpuTest 0.7.0
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.3
10.6
23.7
Percent, Fewer Is Better
40
32
24
16
8

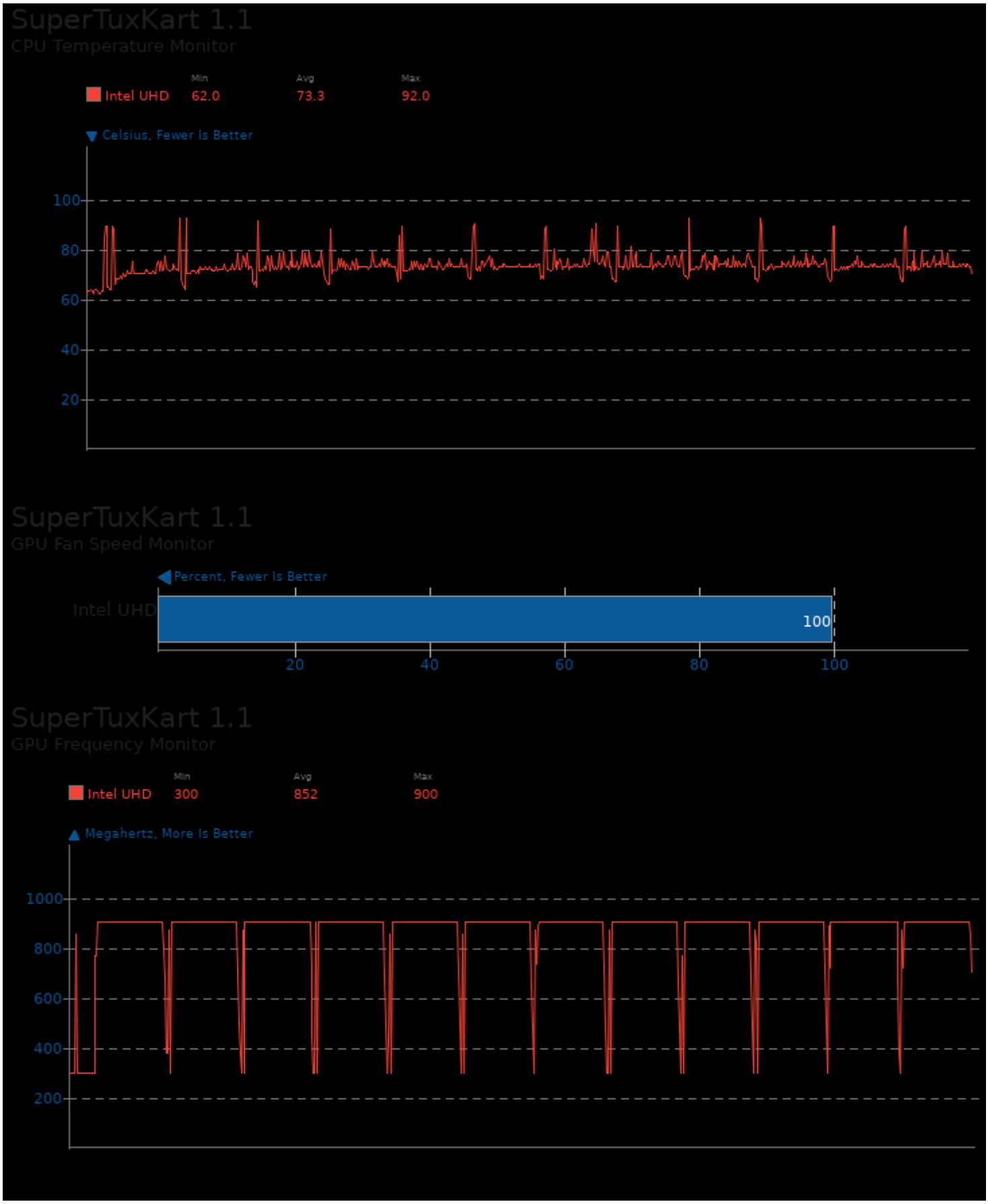

GpuTest 0.7.0
System Temperature Monitor
Min
Avg
Max
Intel UHD
66.0
72.7
76.0
Celsius, Fewer Is Better
100
80
60
40
20

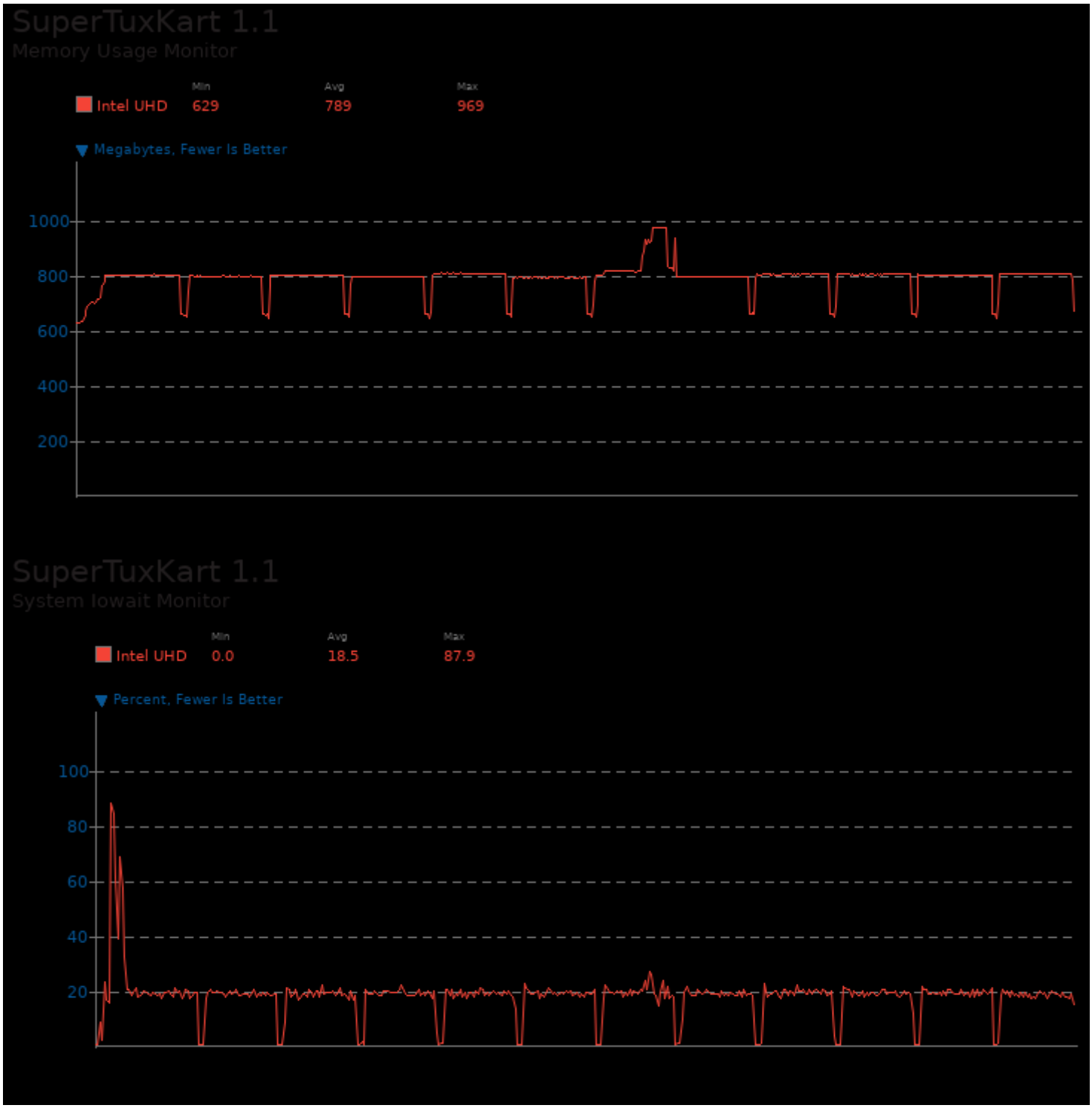
SuperTuxKart 1.1
Resolution: 1024 x 768 - Mode: Fullscreen - Graphics Effects: High - Karts: 8 - Scene: Candela City
Frames Per Second, More Is Better
Intel UHD
SE +/- 1.30, N = 12
116.60
30
60
90
120
150

SuperTuxKart 1.1
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
1145
2192
3400
Megahertz, More Is Better
4000
3200
2400
1600
800

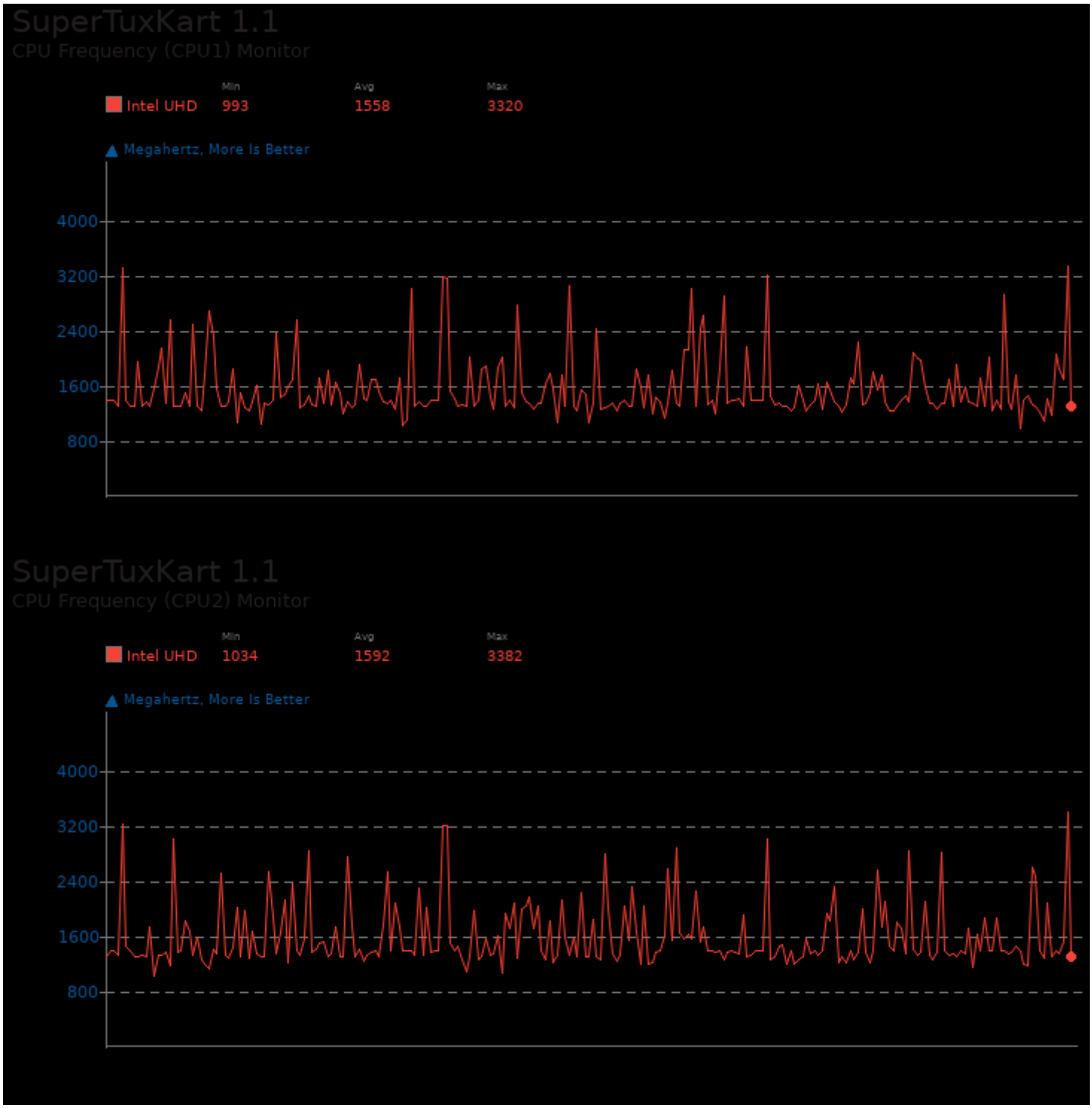

SuperTuxKart 1.1
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
806
2172
3400
Megahertz, More Is Better
4000
3200
2400
1600
800
SuperTuxKart 1.1
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
876
2217
3395
Megahertz, More Is Better
4000
3200
2400
1600
800

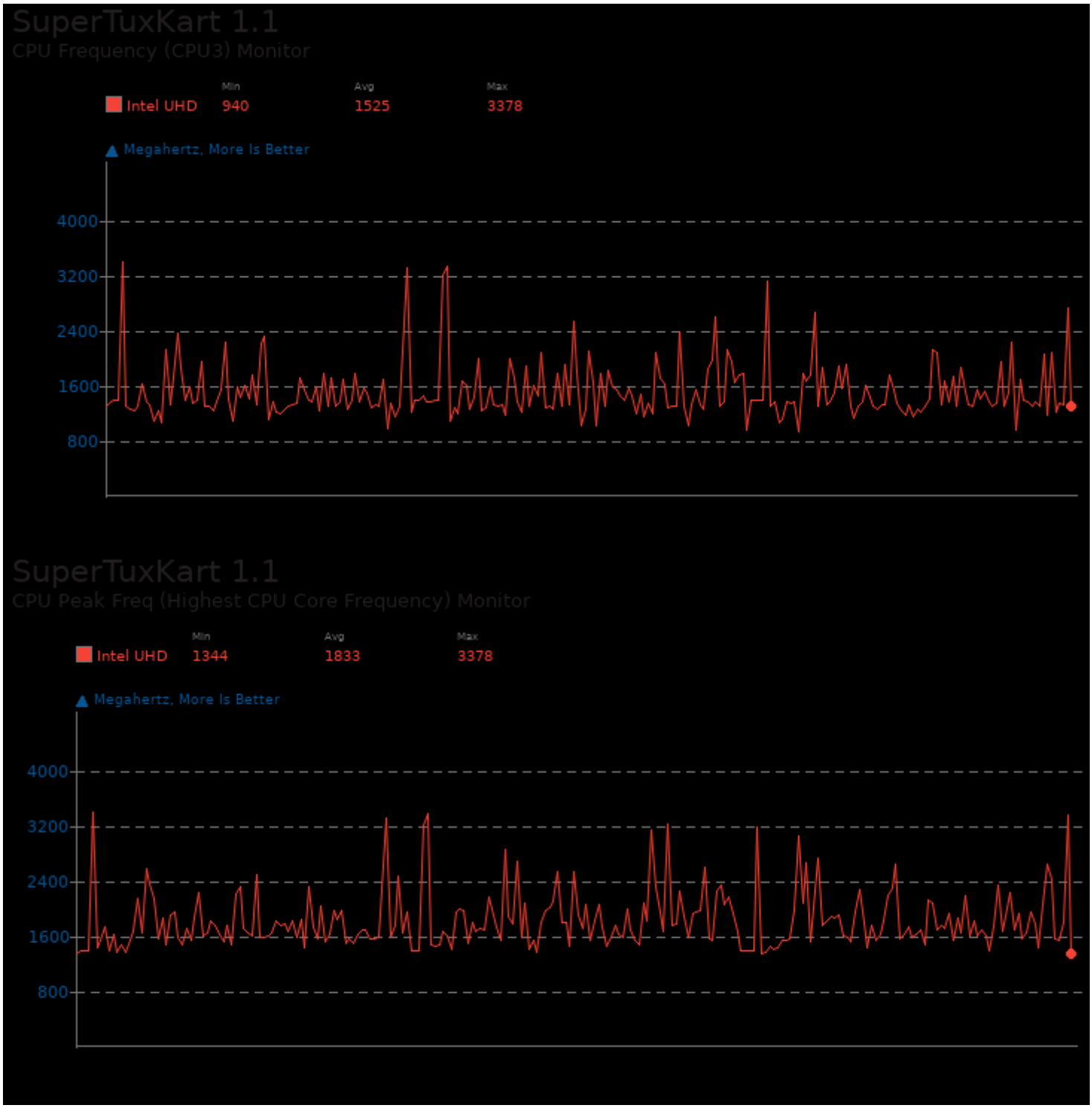

SuperTuxKart 1.1
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
757
2078
3400
Megahertz, More Is Better
4000
3200
2400
1600
800
SuperTuxKart 1.1
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1270
2447
3400
Megahertz, More Is Better
4000
3200
2400
1600
800

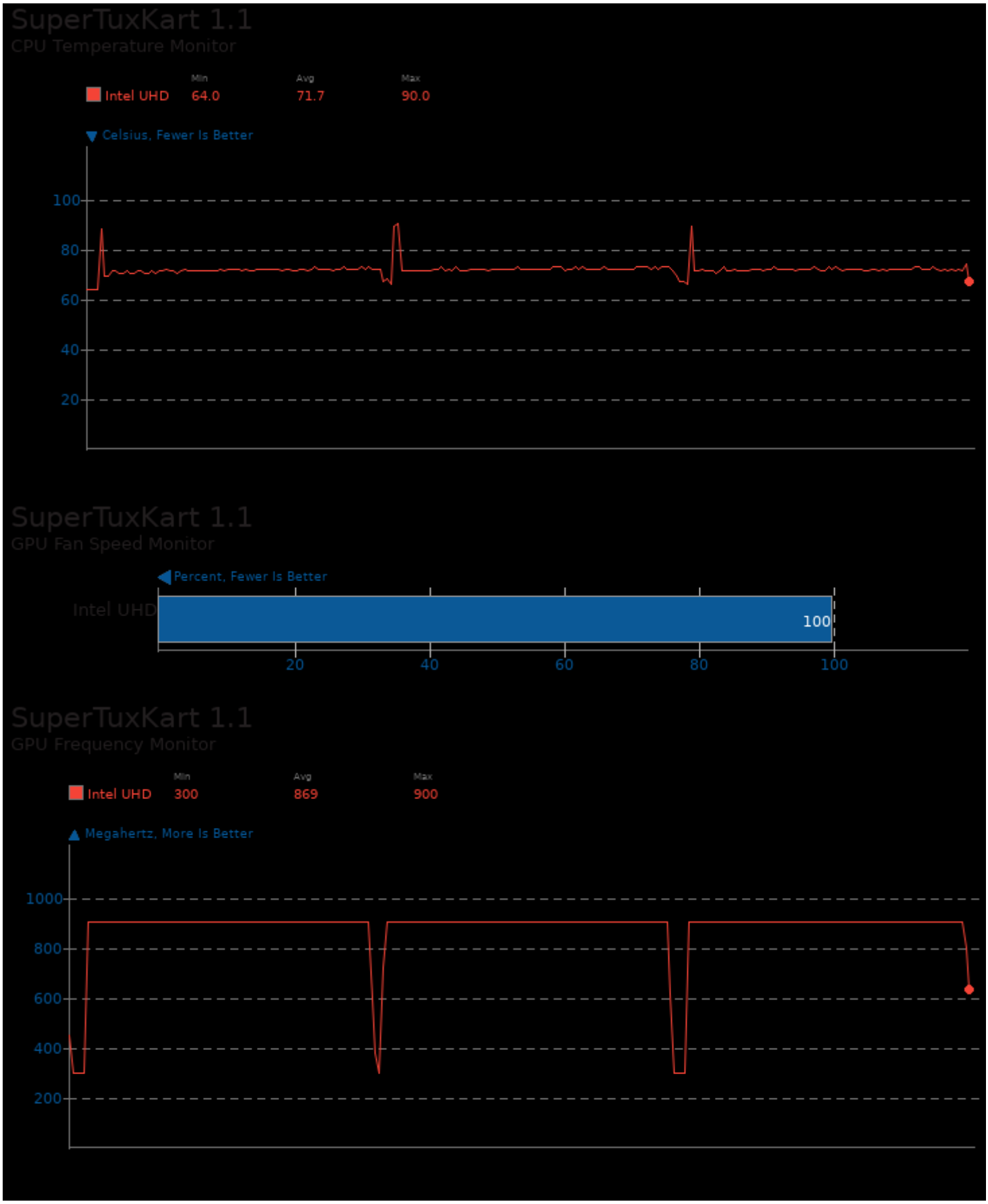

SuperTuxKart 1.1
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
62.0
73.3
92.0
Celsius, Fewer Is Better
100
80
60
40
20
SuperTuxKart 1.1
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
SuperTuxKart 1.1
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
852
900
Megahertz, More Is Better
1000
800
600
400
200

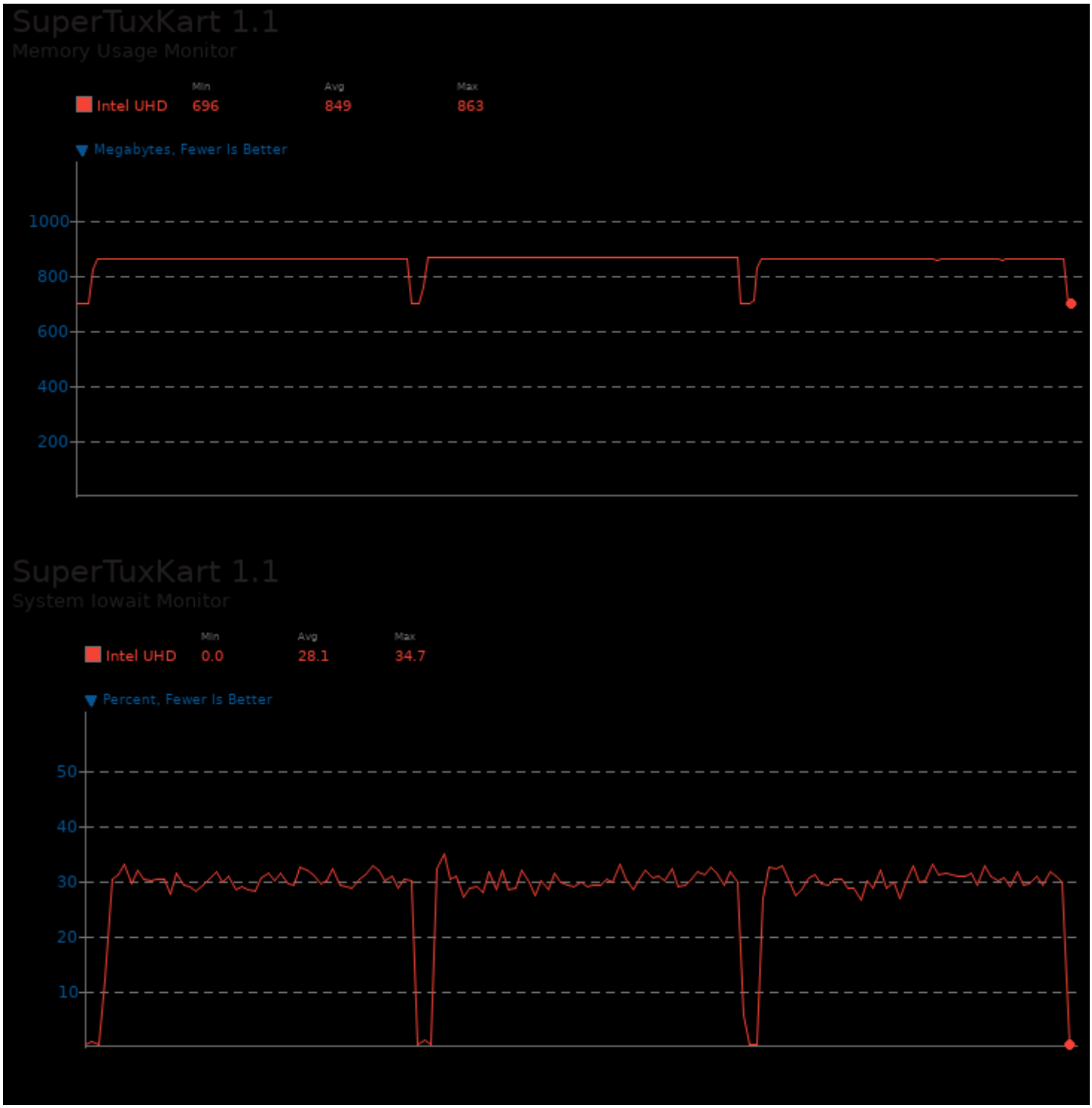

SuperTuxKart 1.1
Memory Usage Monitor
Min
Avg
Max
Intel UHD
629
789
969
Megabytes, Fewer Is Better
1000
800
600
400
200
SuperTuxKart 1.1
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.0
18.5
87.9
Percent, Fewer Is Better
100
80
60
40
20

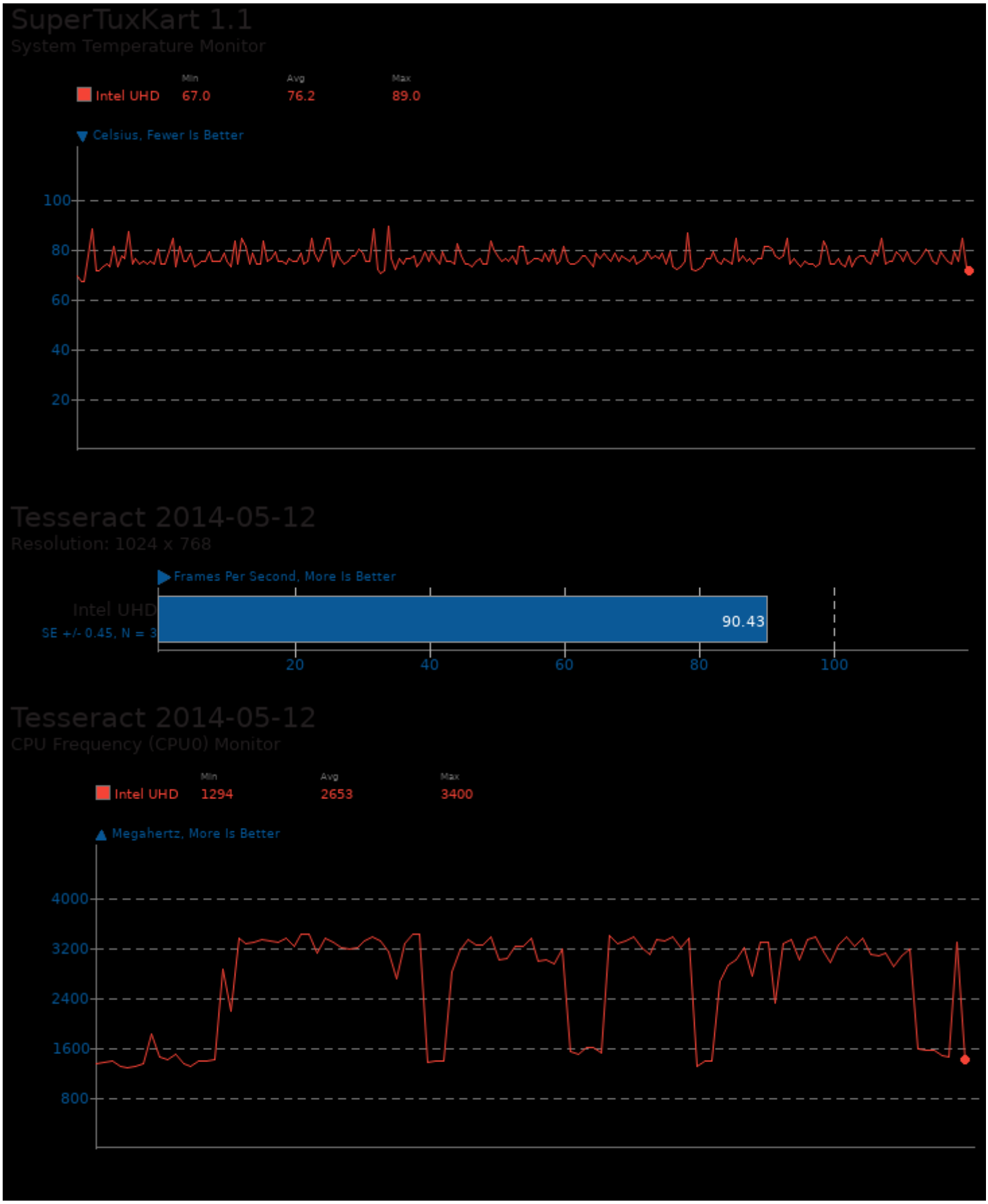

SuperTuxKart 1.1
System Temperature Monitor
Min
Avg
Max
Intel UHD
64.0
78.2
92.0
Celsius, Fewer Is Better
100
80
60
40
20
SuperTuxKart 1.1
Resolution: 1920 x 1080 - Mode: Fullscreen - Graphics Effects: High - Karts: 8 - Scene: Candela City
Frames Per Second, More Is Better
Intel UHD
SE +/- 0.49, N = 3
82.07
20
40
60
80
100
SuperTuxKart 1.1
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
1228
1616
3300
Megahertz, More Is Better
4000
3200
2400
1600
800

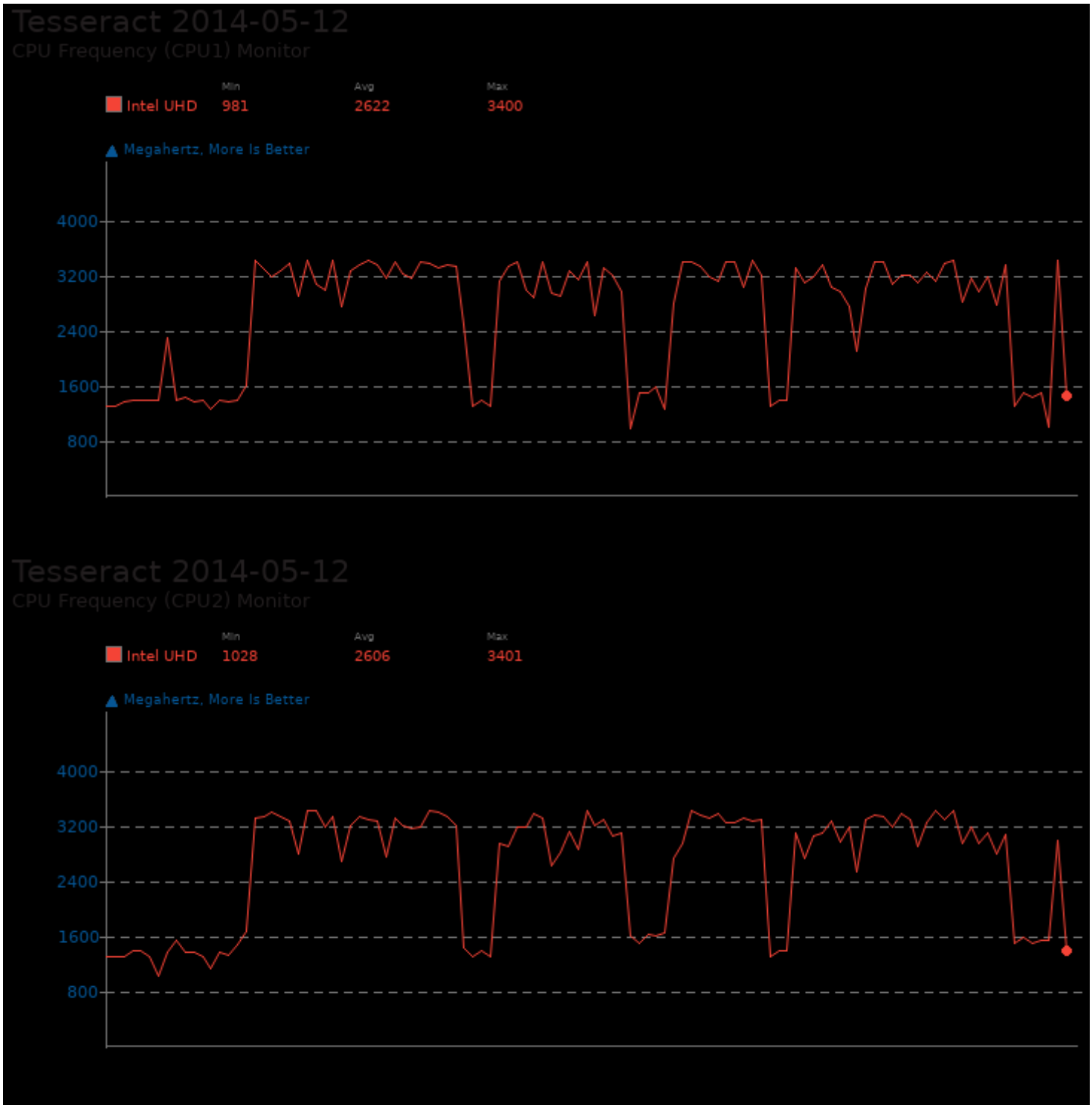

SuperTuxKart 1.1
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
993
1558
3320
Megahertz, More Is Better
4000
3200
2400
1600
800
SuperTuxKart 1.1
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
1034
1592
3382
Megahertz, More Is Better
4000
3200
2400
1600
800

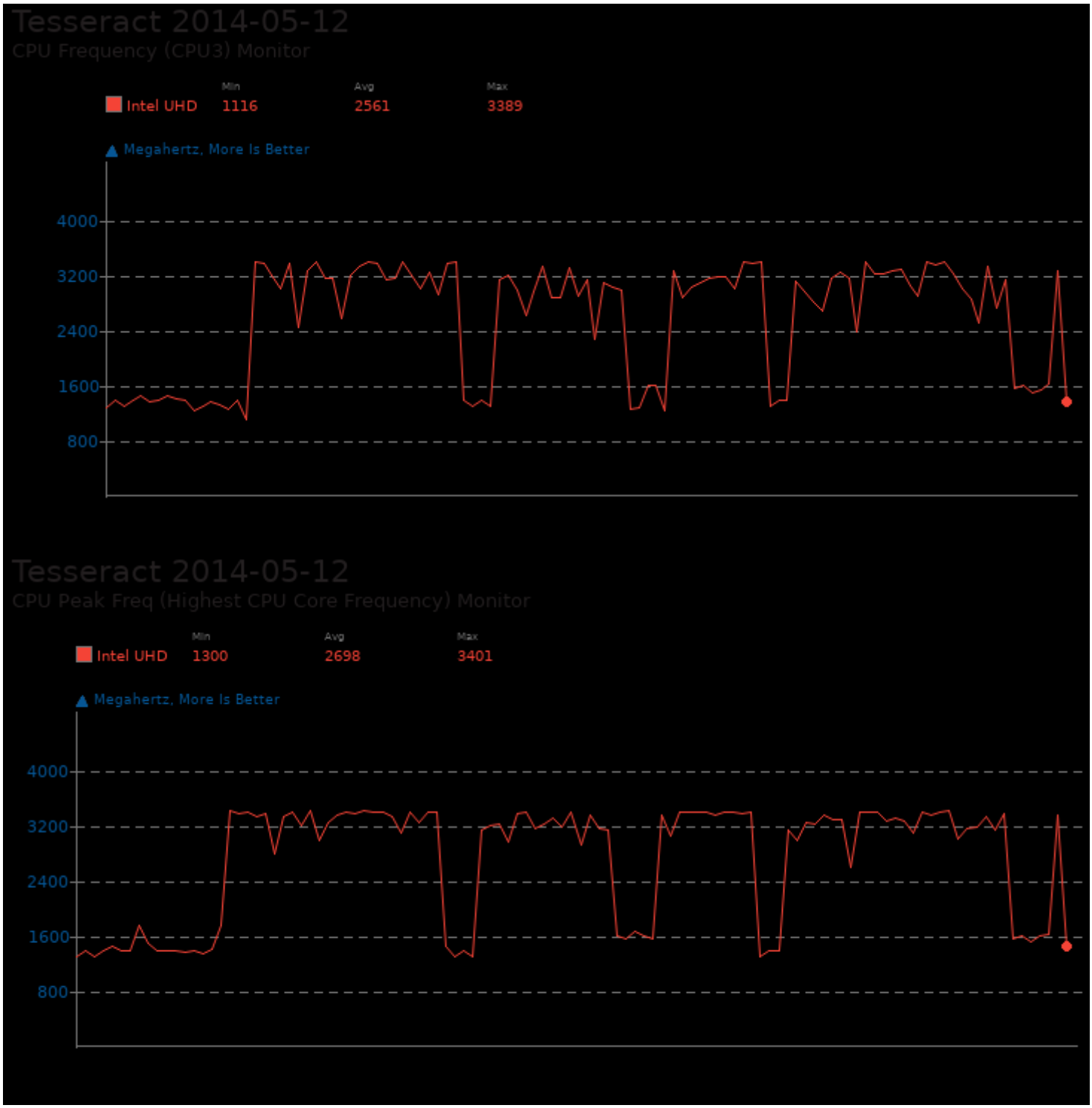

SuperTuxKart 1.1
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
940
1525
3378
Megahertz, More Is Better
4000
3200
2400
1600
800
SuperTuxKart 1.1
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1344
1833
3378
Megahertz, More Is Better
4000
3200
2400
1600
800

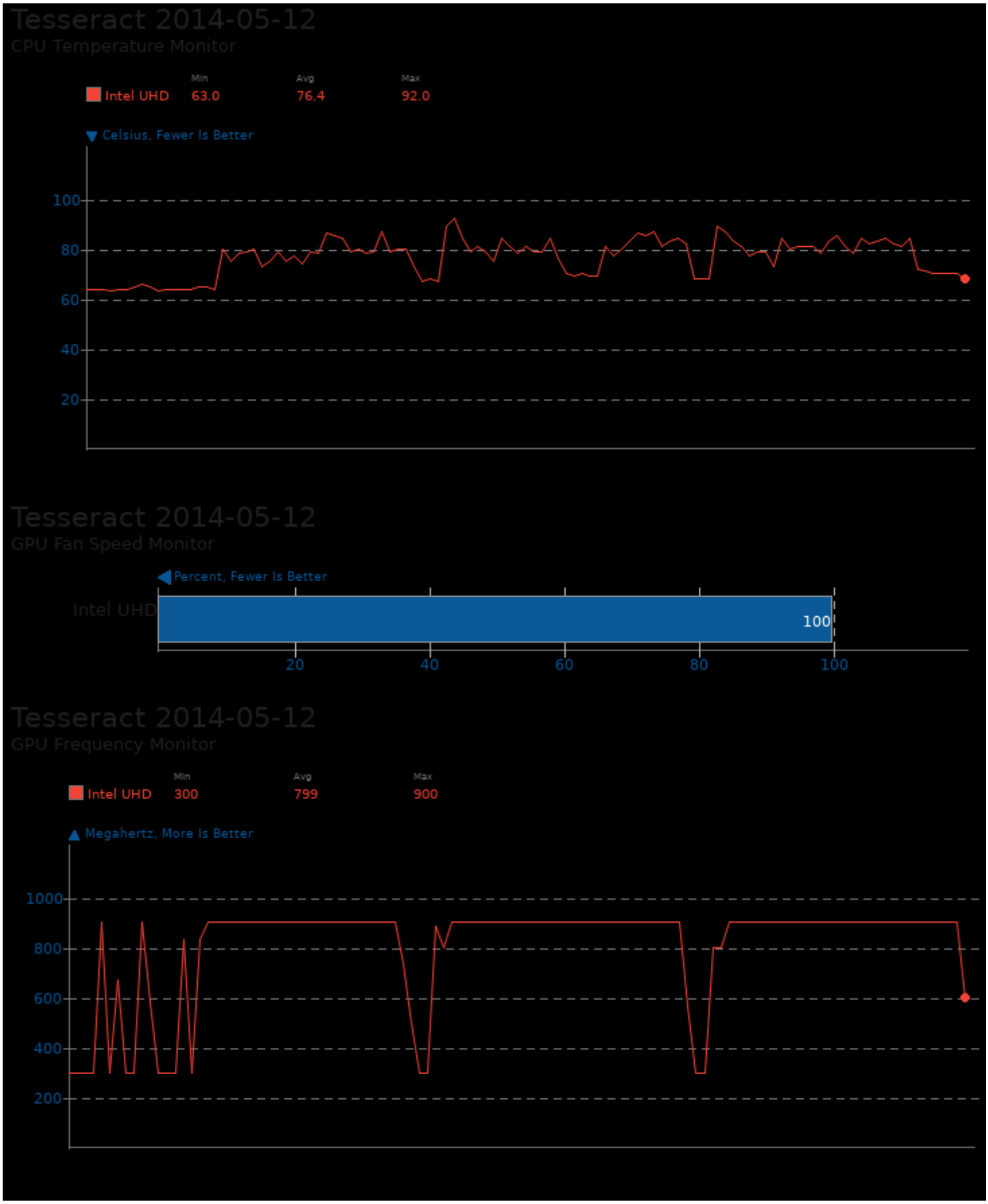

SuperTuxKart 1.1
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
64.0
71.7
90.0
Celsius, Fewer Is Better
100
80
60
40
20
SuperTuxKart 1.1
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
SuperTuxKart 1.1
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
869
900
Megahertz, More Is Better
1000
800
600
400
200

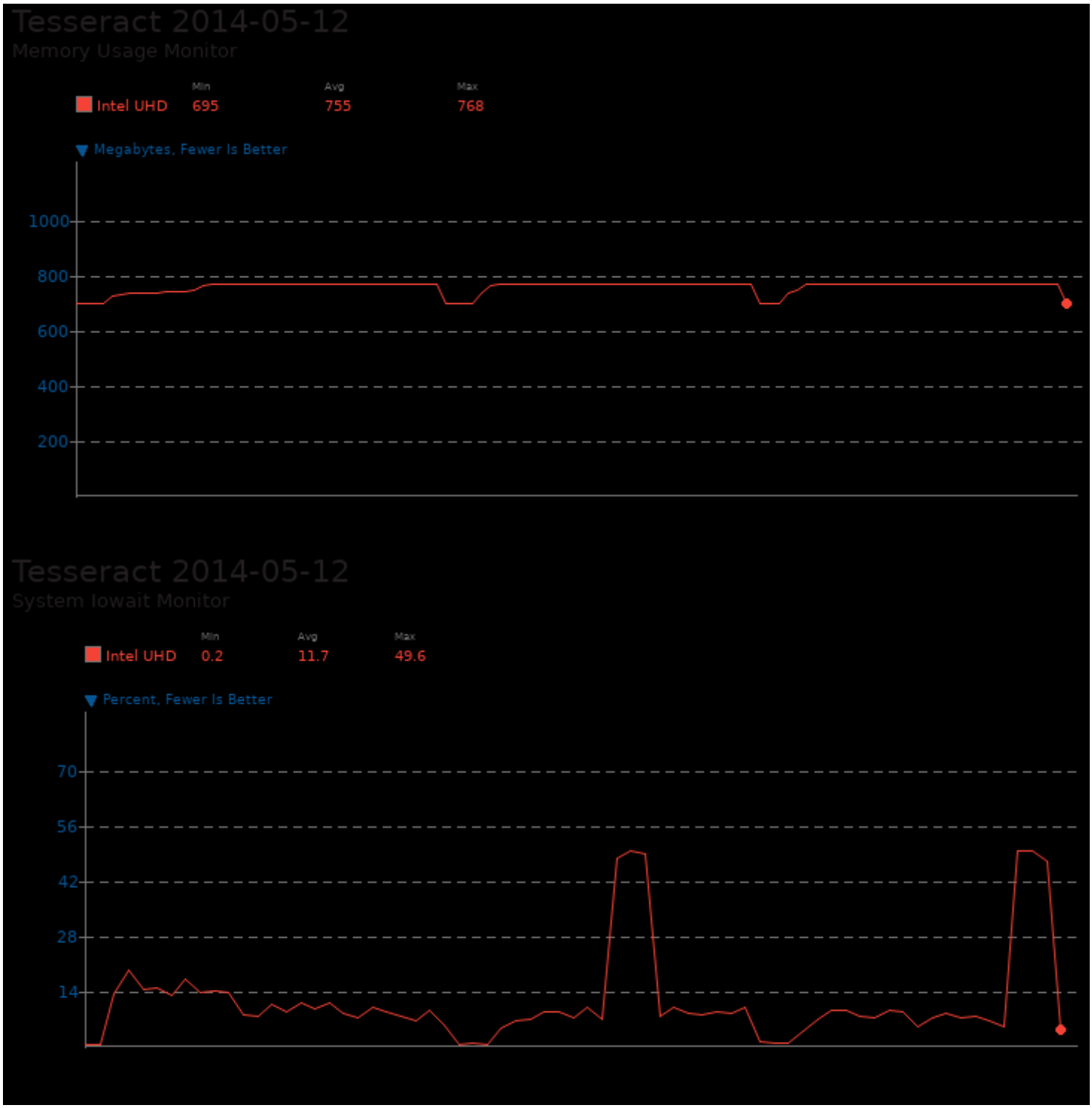

SuperTuxKart 1.1
Memory Usage Monitor
Min
Avg
Max
Intel UHD
696
849
863
Megabytes, Fewer Is Better
1000
800
600
400
200
SuperTuxKart 1.1
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.0
28.1
34.7
Percent, Fewer Is Better
50
40
30
20
10

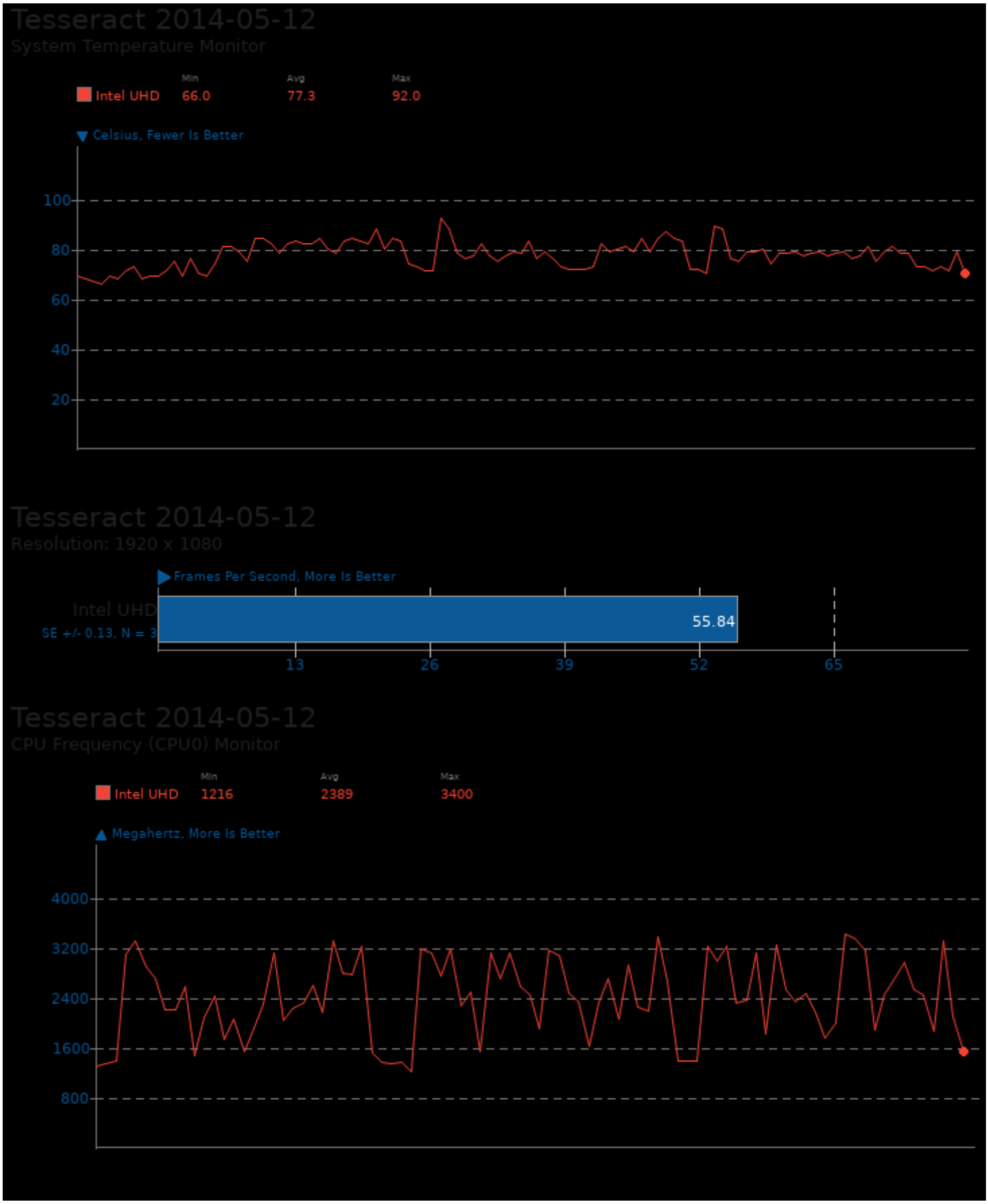

SuperTuxKart 1.1
System Temperature Monitor
Min
Avg
Max
Intel UHD
67.0
76.2
89.0
Celsius, Fewer Is Better
100
80
60
40
20
Tesseract 2014-05-12
Resolution: 1024 x 768
Frames Per Second, More Is Better
Intel UHD
SE +/- 0.45, N = 3
90.43
20
40
60
80
100
Tesseract 2014-05-12
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
1294
2653
3400
Megahertz, More Is Better
4000
3200
2400
1600
800

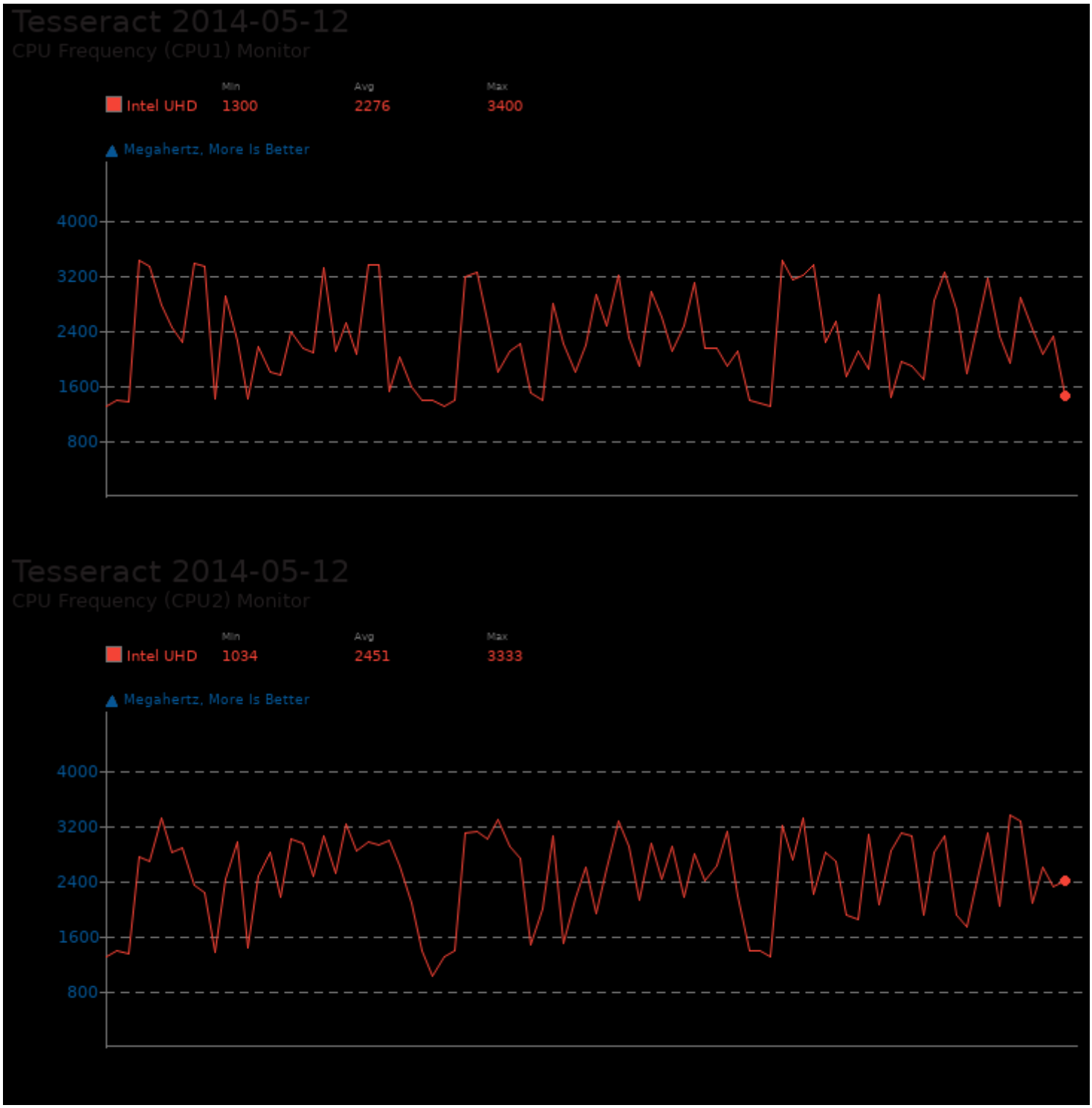

Tesseract 2014-05-12
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
981
2622
3400
Megahertz, More Is Better
4000
3200
2400
1600
800
Tesseract 2014-05-12
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
1028
2606
3401
Megahertz, More Is Better
4000
3200
2400
1600
800

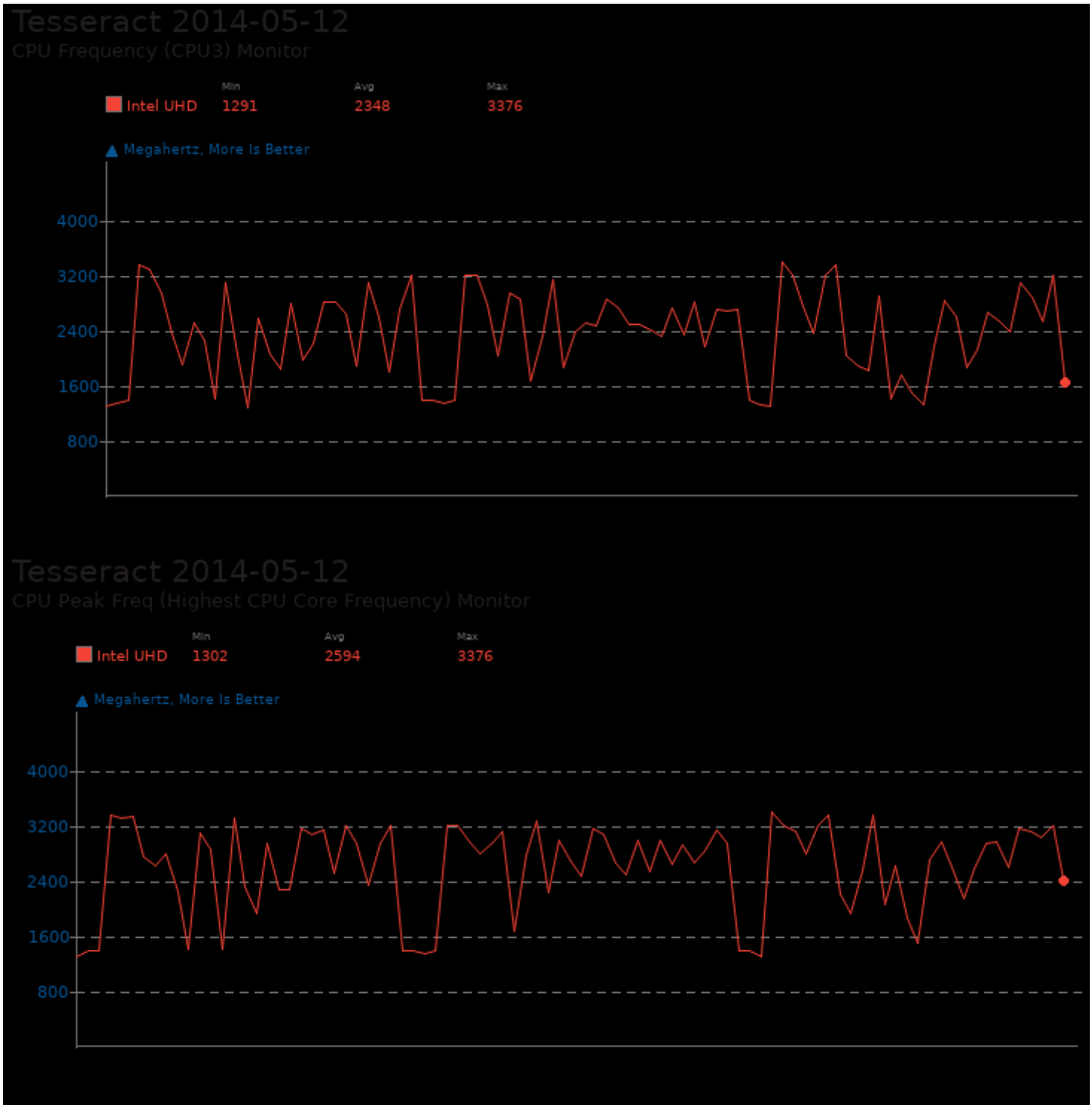

Tesseract 2014-05-12
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
1116
2561
3389
Megahertz, More Is Better
4000
3200
2400
1600
800
Tesseract 2014-05-12
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1300
2698
3401
Megahertz, More Is Better
4000
3200
2400
1600
800

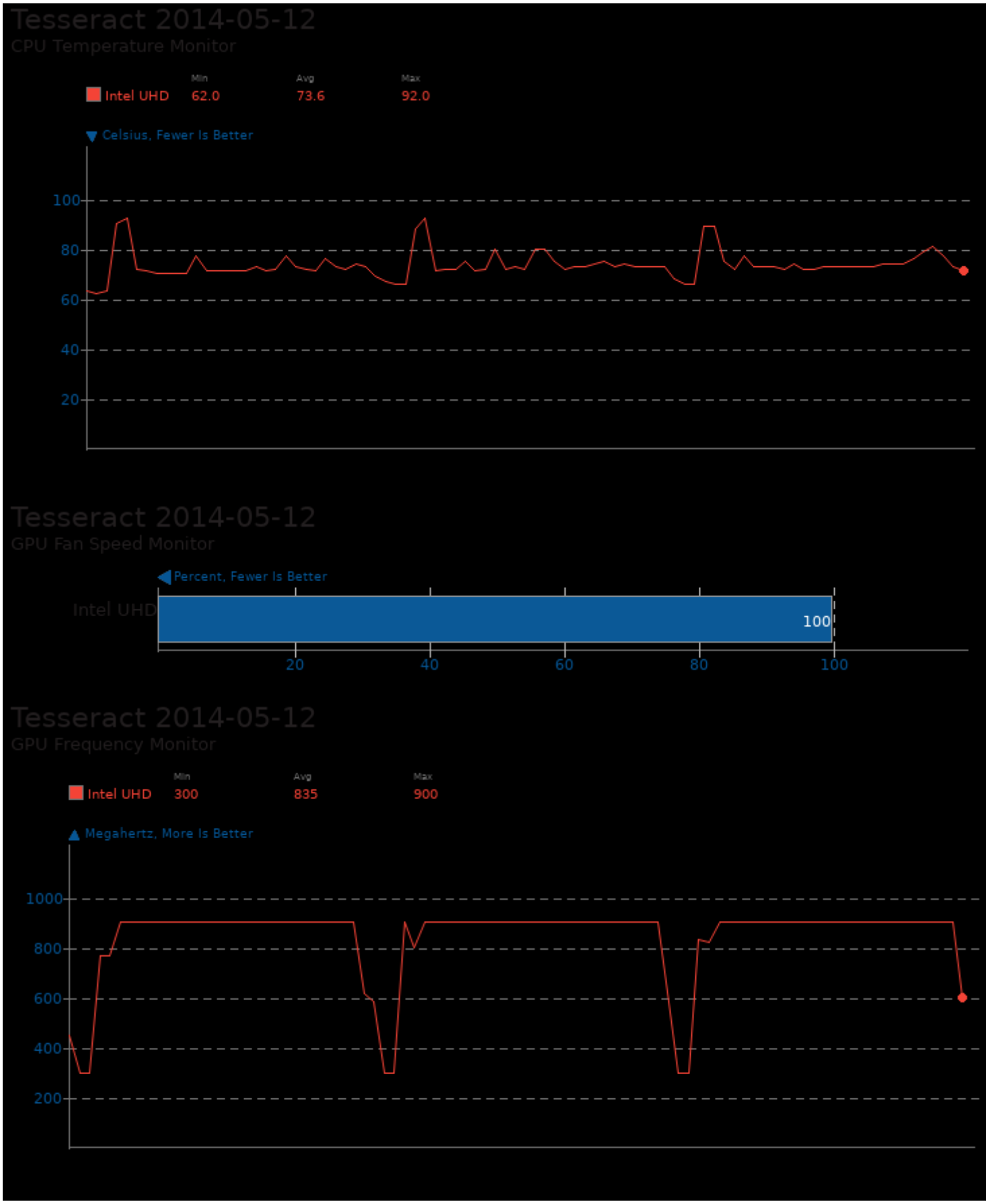

Tesseract 2014-05-12
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
63.0
76.4
92.0
Celsius, Fewer Is Better
100
80
60
40
20
Tesseract 2014-05-12
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
Tesseract 2014-05-12
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
799
900
Megahertz, More Is Better
1000
800
600
400
200

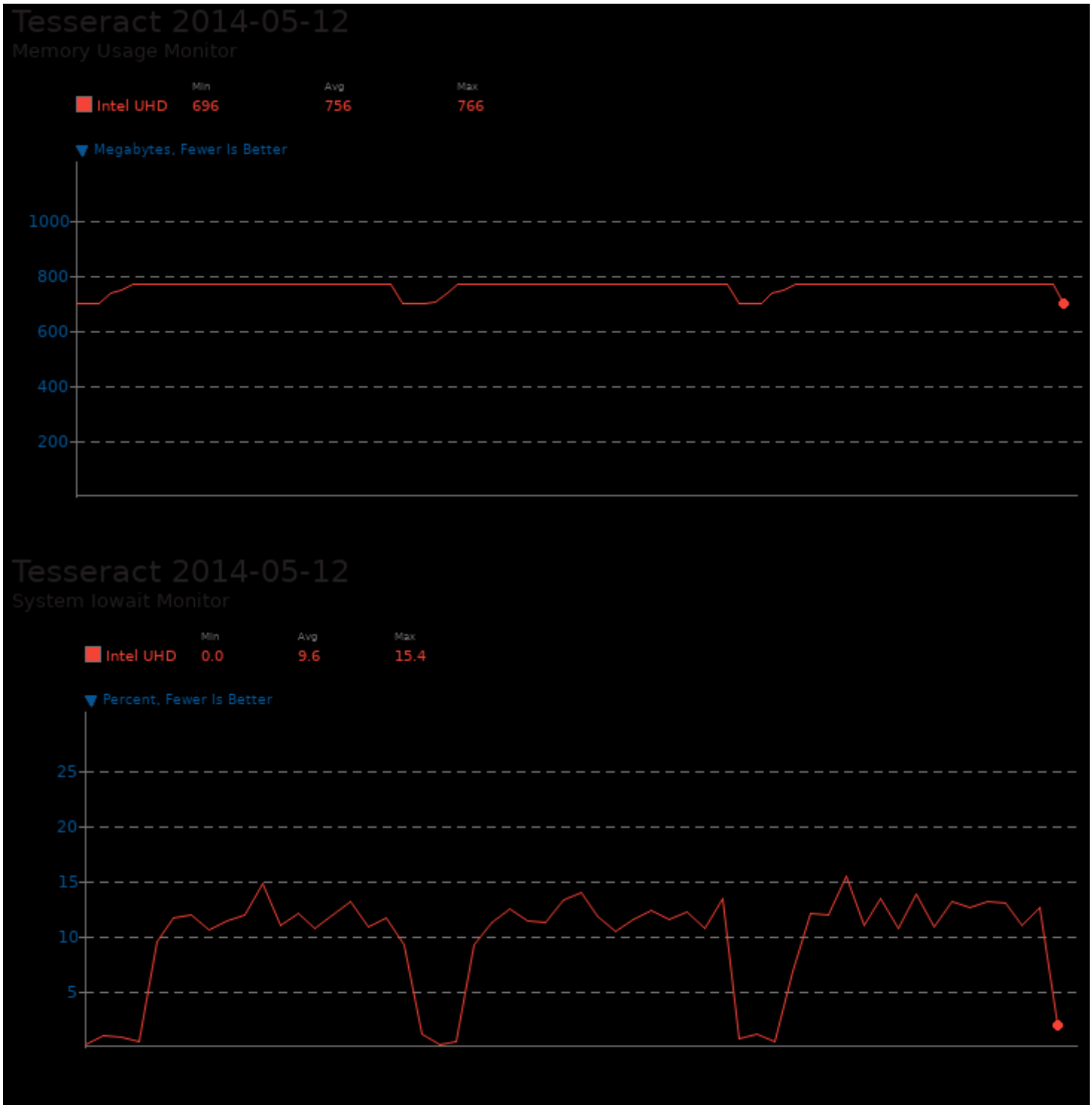

Tesseract 2014-05-12
Memory Usage Monitor
Min
Avg
Max
Intel UHD
695
755
768
Megabytes, Fewer Is Better
1000
800
600
400
200
Tesseract 2014-05-12
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.2
11.7
49.6
Percent, Fewer Is Better
70
56
42
28
14

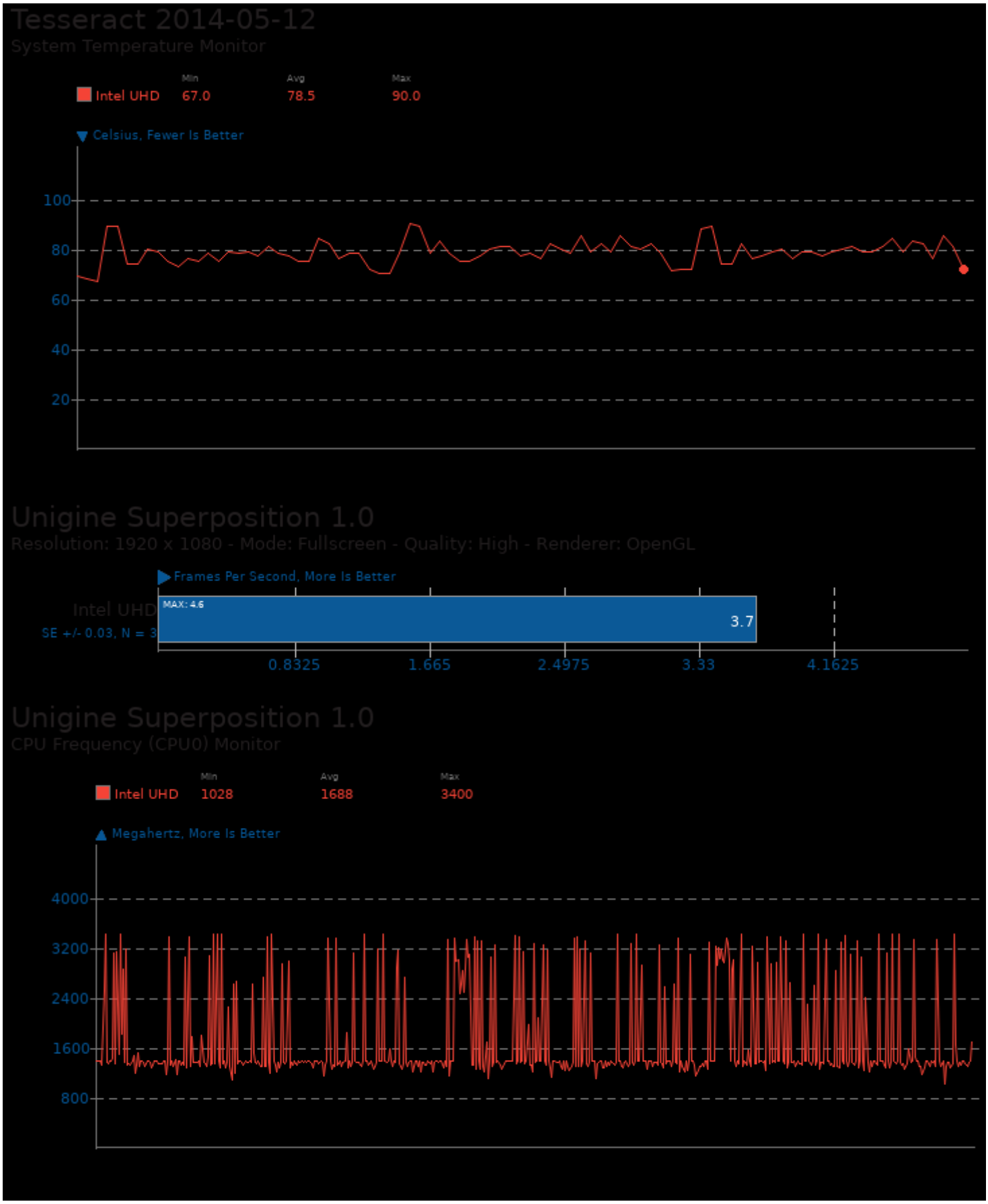

Tesseract 2014-05-12
System Temperature Monitor
Min
Avg
Max
Intel UHD
66.0
77.3
92.0
Celsius, Fewer Is Better
100
80
60
40
20
Tesseract 2014-05-12
Resolution: 1920 x 1080
Frames Per Second, More Is Better
Intel UHD
SE +/- 0.13, N = 3
55.84
13
26
39
52
65
Tesseract 2014-05-12
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
1216
2389
3400
Megahertz, More Is Better
4000
3200
2400
1600
800


Tesseract 2014-05-12
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
1300
2276
3400
Megahertz, More Is Better
4000
3200
2400
1600
800
Tesseract 2014-05-12
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
1034
2451
3333
Megahertz, More Is Better
4000
3200
2400
1600
800


Tesseract 2014-05-12
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
1291
2348
3376
Megahertz, More Is Better
4000
3200
2400
1600
800
Tesseract 2014-05-12
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1302
2594
3376
Megahertz, More Is Better
4000
3200
2400
1600
800

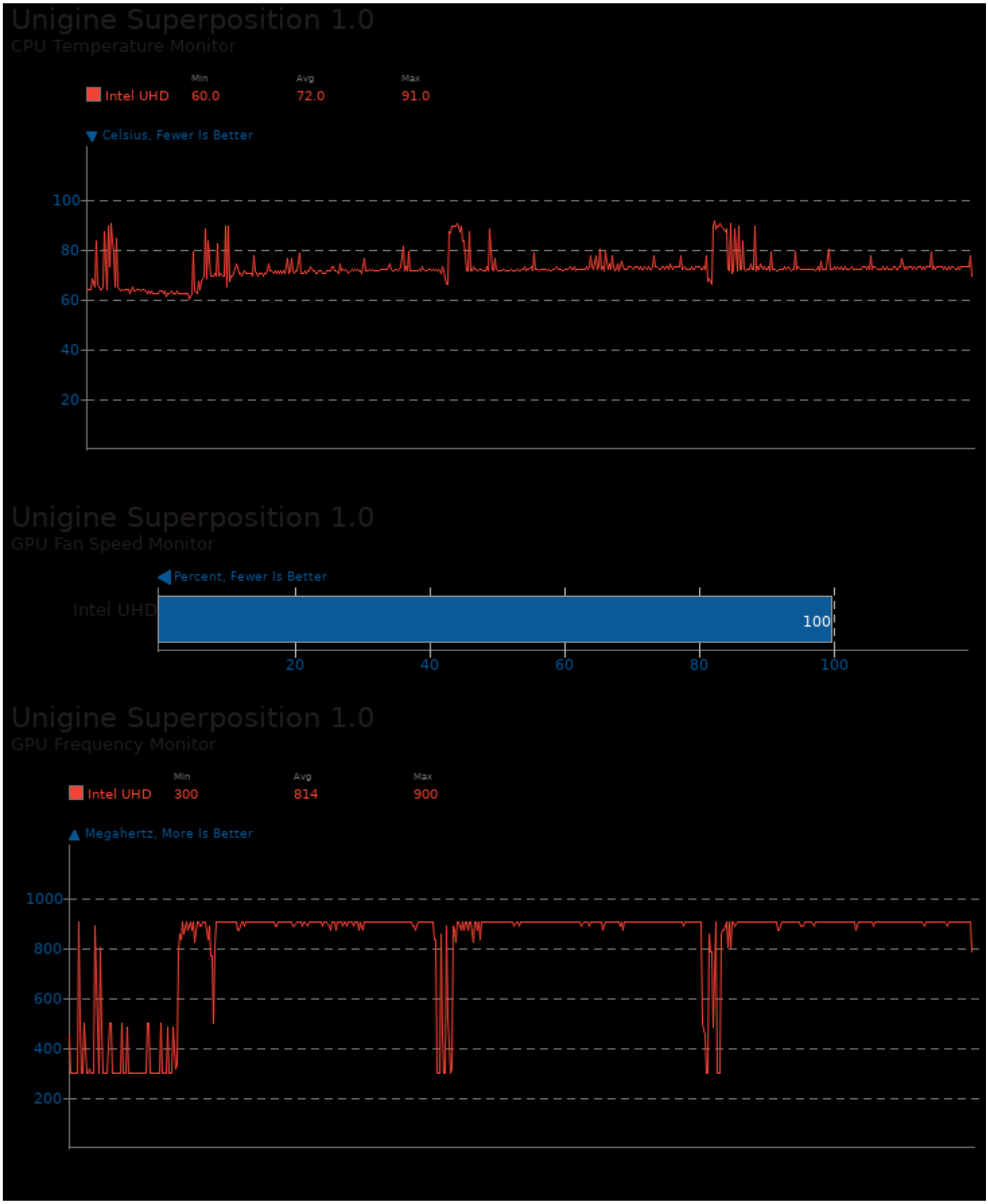

Tesseract 2014-05-12
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
62.0
73.6
92.0
Celsius, Fewer Is Better
100
80
60
40
20
Tesseract 2014-05-12
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
Tesseract 2014-05-12
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
835
900
Megahertz, More Is Better
1000
800
600
400
200

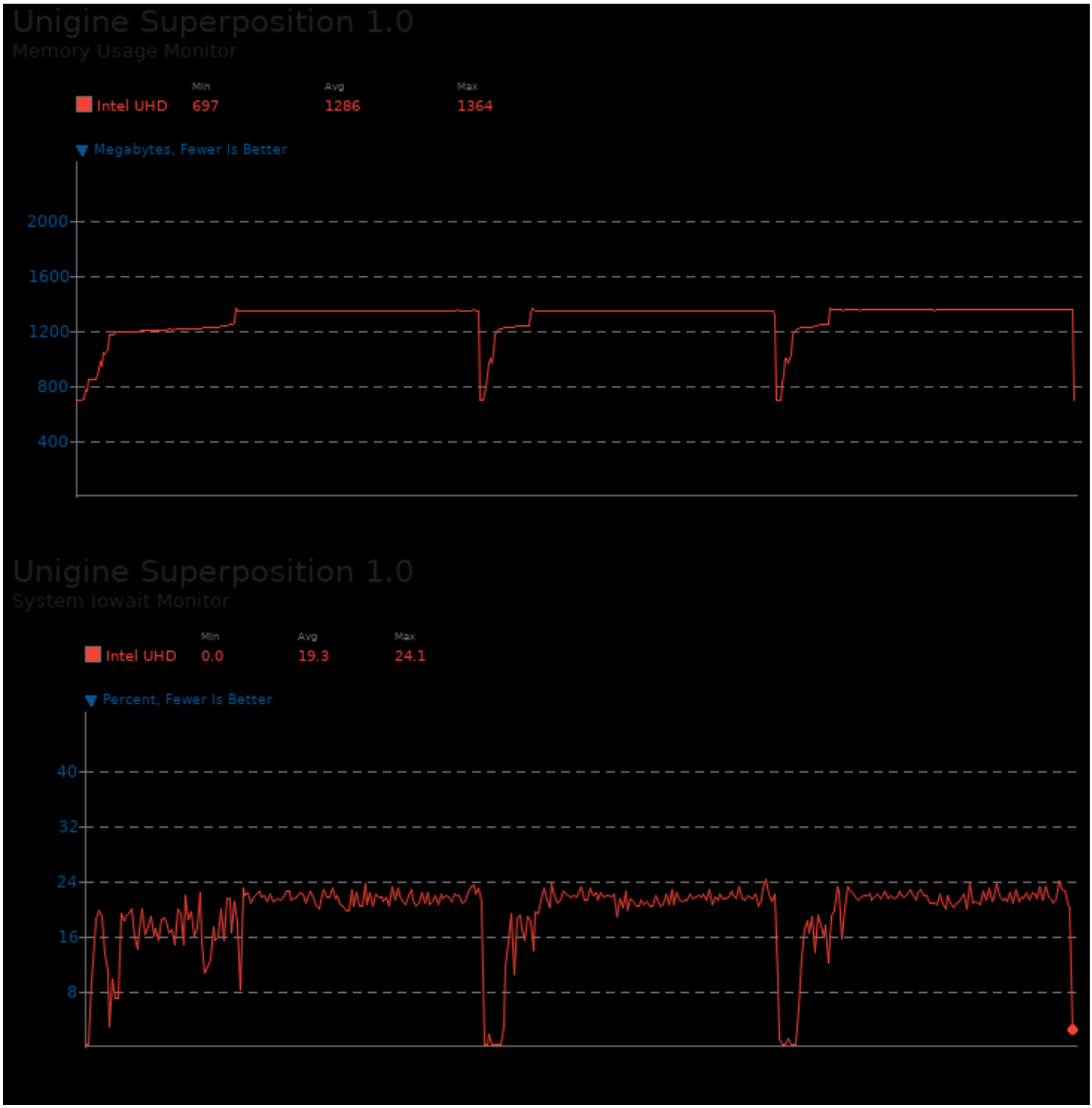

Tesseract 2014-05-12
Memory Usage Monitor
Min
Avg
Max
Intel UHD
696
756
766
Megabytes, Fewer Is Better
1000
800
600
400
200
Tesseract 2014-05-12
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.0
9.6
15.4
Percent, Fewer Is Better
25
20
15
10
5


Tesseract 2014-05-12
System Temperature Monitor
Min
Avg
Max
Intel UHD
67.0
78.5
90.0
Celsius, Fewer Is Better
100
80
60
40
20
Unigine Superposition 1.0
Resolution: 1920 x 1080 - Mode: Fullscreen - Quality: High - Renderer: OpenGL
Frames Per Second, More Is Better
Intel UHD
SE +/- 0.03, N = 3
MAX: 4.6
3.7
0.8325
1.665
2.4975
3.33
4.1625
Unigine Superposition 1.0
CPU Frequency (CPU0) Monitor
Min
Avg
Max
Intel UHD
1028
1688
3400
Megahertz, More Is Better
4000
3200
2400
1600
800

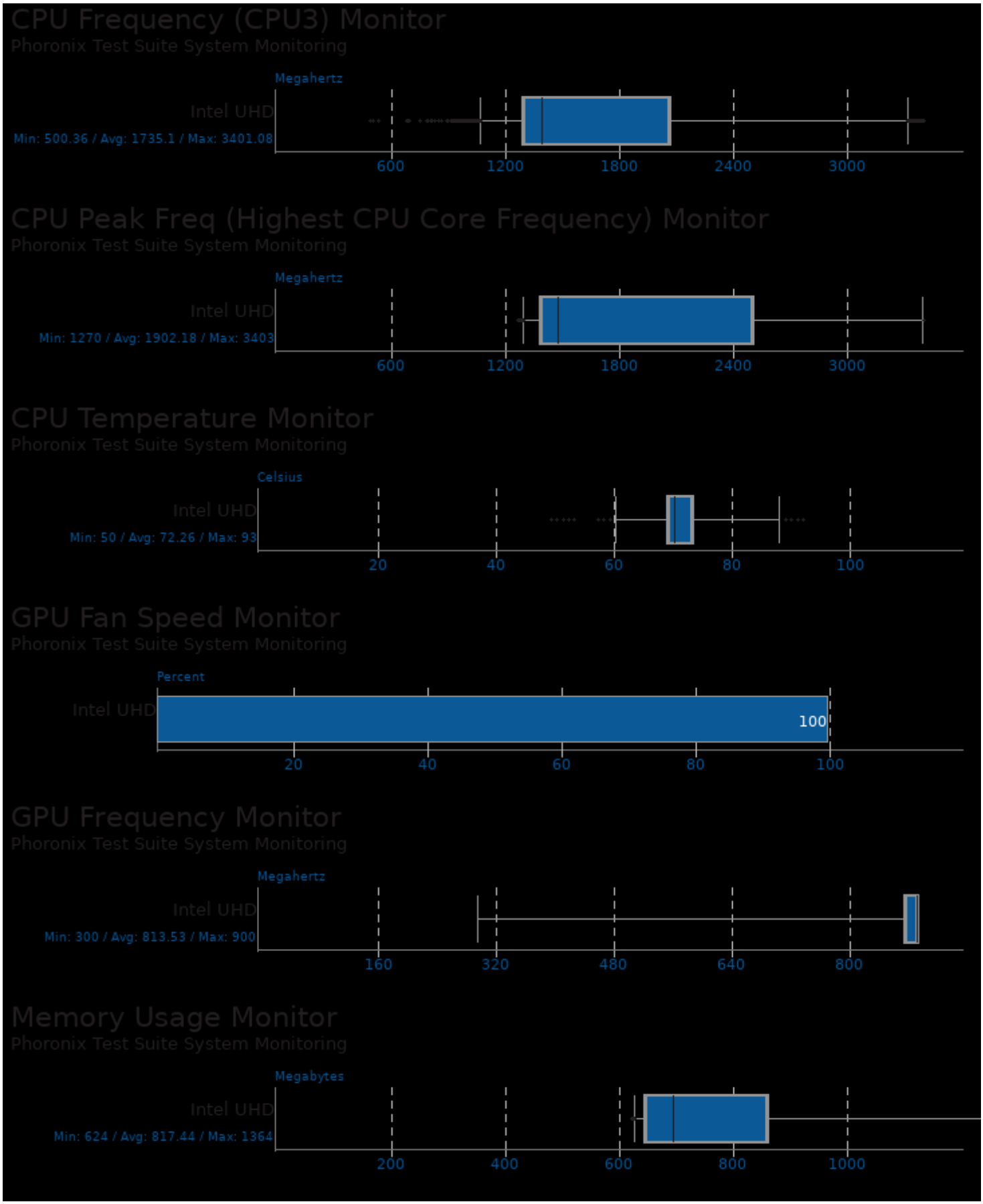

Unigine Superposition 1.0
CPU Frequency (CPU1) Monitor
Min
Avg
Max
Intel UHD
753
1617
3400
Megahertz, More Is Better
4000
3200
2400
1600
800
Unigine Superposition 1.0
CPU Frequency (CPU2) Monitor
Min
Avg
Max
Intel UHD
791
1644
3401
Megahertz, More Is Better
4000
3200
2400
1600
800

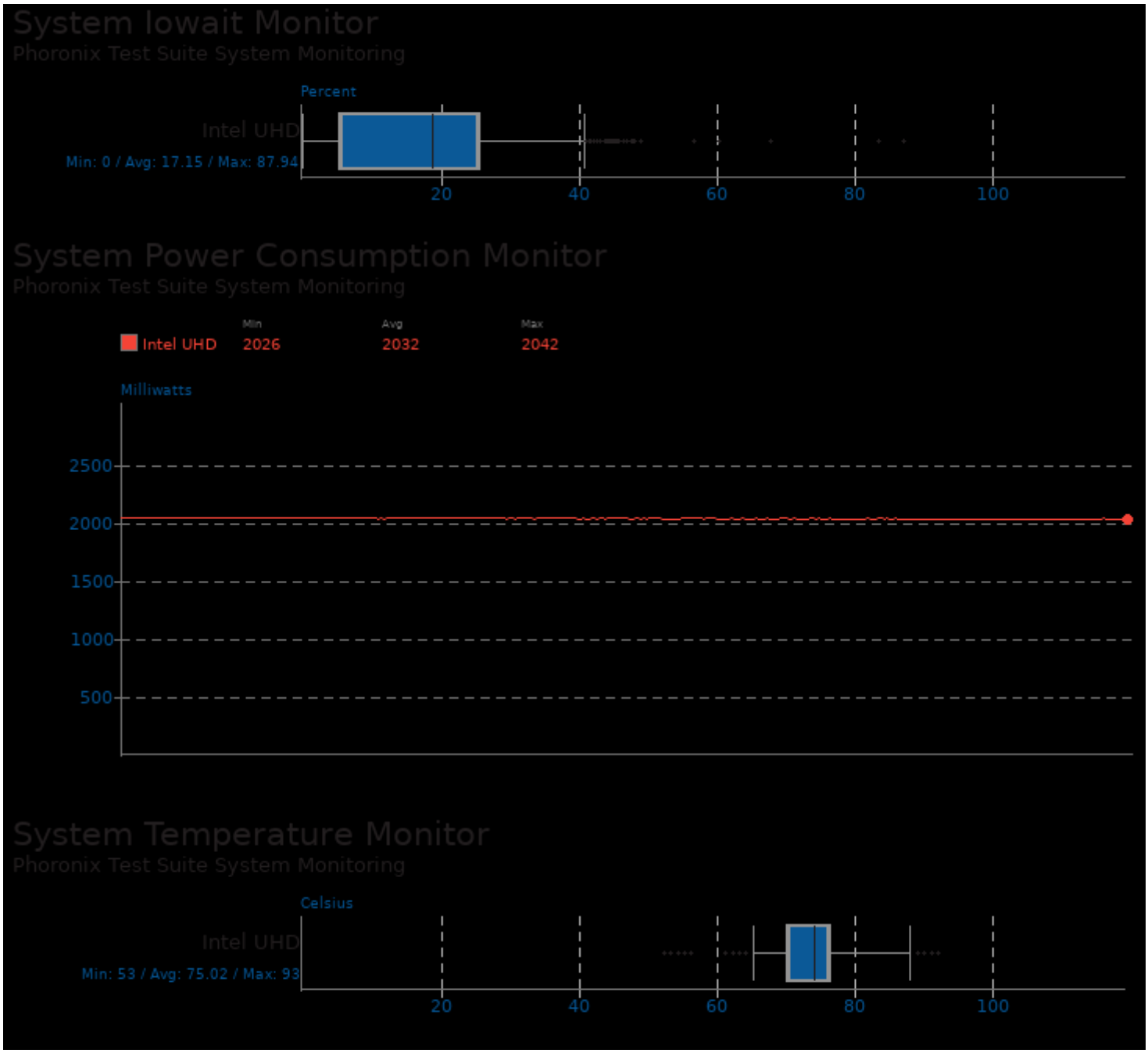

Unigine Superposition 1.0
CPU Frequency (CPU3) Monitor
Min
Avg
Max
Intel UHD
823
1577
3400
Megahertz, More Is Better
4000
3200
2400
1600
800
Unigine Superposition 1.0
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Min
Avg
Max
Intel UHD
1281
1779
3400
Megahertz, More Is Better
4000
3200
2400
1600
800


Unigine Superposition 1.0
CPU Temperature Monitor
Min
Avg
Max
Intel UHD
60.0
72.0
91.0
Celsius, Fewer Is Better
100
80
60
40
20
Unigine Superposition 1.0
GPU Fan Speed Monitor
Percent, Fewer Is Better
Intel UHD
100
20
40
60
80
100
Unigine Superposition 1.0
GPU Frequency Monitor
Min
Avg
Max
Intel UHD
300
814
900
Megahertz, More Is Better
1000
800
600
400
200


Unigine Superposition 1.0
Memory Usage Monitor
Min
Avg
Max
Intel UHD
697
1286
1364
Megabytes, Fewer Is Better
2000
1600
1200
800
400
Unigine Superposition 1.0
System Iowait Monitor
Min
Avg
Max
Intel UHD
0.0
19.3
24.1
Percent, Fewer Is Better
40
32
24
16
8


Unigine Superposition 1.0
System Temperature Monitor
Min
Avg
Max
Intel UHD
64.0
75.0
93.0
Celsius, Fewer Is Better
100
80
60
40
20
CPU Frequency (CPU0) Monitor
Phoronix Test Suite System Monitoring
Megahertz
Intel UHD
Min: 619.64 / Avg: 1801.98 / Max: 3401.11
600
1200
1800
2400
3000
CPU Frequency (CPU1) Monitor
Phoronix Test Suite System Monitoring
Megahertz
Intel UHD
Min: 475.5 / Avg: 1768.52 / Max: 3403.91
600
1200
1800
2400
3000
CPU Frequency (CPU2) Monitor
Phoronix Test Suite System Monitoring
Megahertz
Intel UHD
Min: 482.27 / Avg: 1796.17 / Max: 3400.73
600
1200
1800
2400
3000


CPU Frequency (CPU3) Monitor
Phoronix Test Suite System Monitoring
Megahertz
Intel UHD
Min: 500.36 / Avg: 1735.1 / Max: 3401.08
600
1200
1800
2400
3000
CPU Peak Freq (Highest CPU Core Frequency) Monitor
Phoronix Test Suite System Monitoring
Megahertz
Intel UHD
Min: 1270 / Avg: 1902.18 / Max: 3403
600
1200
1800
2400
3000
CPU Temperature Monitor
Phoronix Test Suite System Monitoring
Celsius
Intel UHD
Min: 50 / Avg: 72.26 / Max: 93
20
40
60
80
100
GPU Fan Speed Monitor
Phoronix Test Suite System Monitoring
Percent
Intel UHD
100
20
40
60
80
100
GPU Frequency Monitor
Phoronix Test Suite System Monitoring
Megahertz
Intel UHD
Min: 300 / Avg: 813.53 / Max: 900
160
320
480
640
800
Memory Usage Monitor
Phoronix Test Suite System Monitoring
Megabytes
Intel UHD
Min: 624 / Avg: 817.44 / Max: 1364
200
400
600
800
1000



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