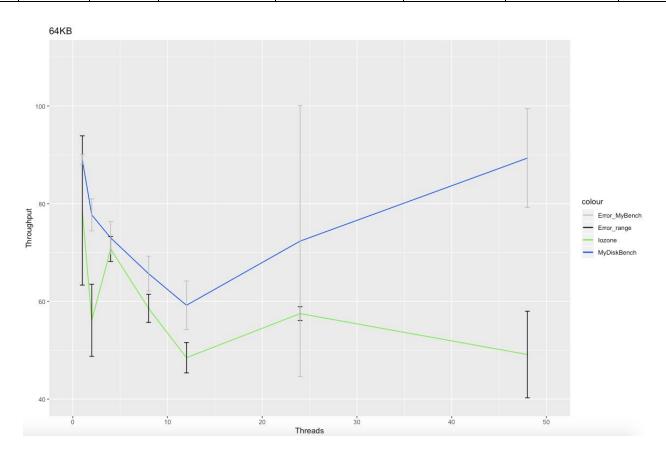
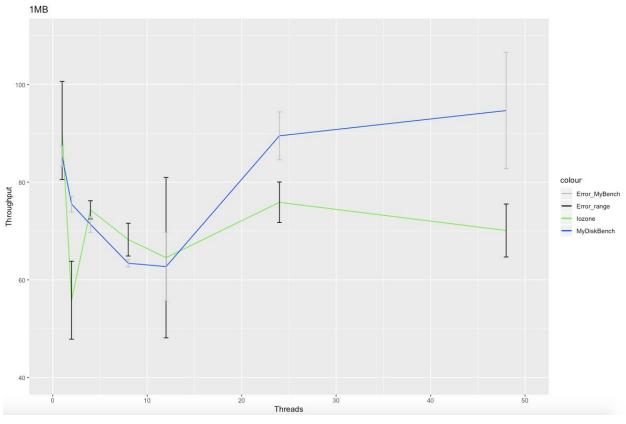
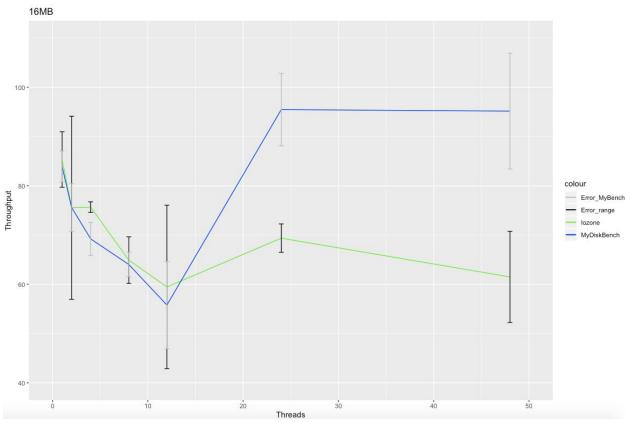
# Table 1a: WS

| Work<br>load | Concur<br>rency | Record<br>size | MyDiskBench<br>Measured<br>Throughput<br>(MB/sec) | IOZone<br>Measured<br>Throughput<br>(MB/sec) | Theoretical<br>Throughput<br>(MB/sec) | MyDiskBench<br>Efficiency (%) | IOZone<br>Efficiency<br>(%) |
|--------------|-----------------|----------------|---|--|---------------------------------------|-------------------------------|-----------------------------|
| WS           | 1               | 64KB           | 89.05 +/- 1.00                                    | 78.61 +/- 15.28                              | 72                                    | 123.68%                       | 109.18%                     |
| WS           | 1               | 1MB            | 83.81 +/- 2.11                                    | 90.58 +/- 10.03                              | 72                                    | 116.40%                       | 125.81%                     |
| WS           | 1               | 16MB           | 81.69 +/- 3.13                                    | 85.34 +/- 5.63                               | 72                                    | 113.46%                       | 118.53%                     |
| WS           | 2               | 64KB           | 77.71 +/- 3.28                                    | 56.13 +/- 7.37                               | 72                                    | 107.93%                       | 77.92%                      |
| WS           | 2               | 1MB            | 74.38 +/- 1.60                                    | 55.83 +/- 7.98                               | 72                                    | 103.31%                       | 77.50%                      |
| WS           | 2               | 16MB           | 72.17 +/- 4.84                                    | 75.54 +/- 18.58                              | 72                                    | 100.24%                       | 104.92%                     |
| WS           | 4               | 64KB           | 72.99 +/- 3.35                                    | 70.72 +/- 2.54                               | 72                                    | 101.38%                       | 98.22%                      |
| WS           | 4               | 1MB            | 70.21 +/- 1.63                                    | 74.33 +/- 1.86                               | 72                                    | 97.51%                        | 103.24%                     |
| WS           | 4               | 16MB           | 66.85 +/- 3.35                                    | 75.66 +/- 1.07                               | 72                                    | 92.85%                        | 105.08%                     |
| WS           | 8               | 64KB           | 65.67 +/- 3.55                                    | 58.57 +/- 2.88                               | 72                                    | 91.21%                        | 81.35%                      |
| WS           | 8               | 1MB            | 62.88 +/- 0.73                                    | 68.24 +/- 3.36                               | 72                                    | 87.33%                        | 94.78%                      |
| WS           | 8               | 16MB           | 62.28 +/- 2.46                                    | 64.91 +/- 4.72                               | 72                                    | 86.50%                        | 90.15%                      |
| WS           | 12              | 64KB           | 59.20 +/- 4.97                                    | 48.47 +/- 3.11                               | 72                                    | 82.22%                        | 67.32%                      |

| WS | 12 | 1MB  | 57.73 +/- 7.04  | 64.54 +/- 16.41 | 72 | 80.18%  | 89.64%  |
|----|----|------|-----------------|-----------------|----|---------|---------|
| WS | 12 | 16MB | 62.04 +/- 8.84  | 59.47 +/- 16.58 | 72 | 86.17%  | 82.60%  |
| WS | 24 | 64KB | 72.34 +/- 27.73 | 57.50 +/- 1.41  | 72 | 100.47% | 79.86%  |
| WS | 24 | 1MB  | 86.03 +/- 4.89  | 75.88 +/- 4.15  | 72 | 119.49% | 105.39% |
| WS | 24 | 16MB | 90.25 +/- 7.36  | 69.37 +/- 2.88  | 72 | 125.35% | 96.35%  |
| WS | 48 | 64KB | 89.34 +/- 10.13 | 49.12 +/- 8.87  | 72 | 124.08% | 68.22%  |
| WS | 48 | 1MB  | 86.26 +/- 11.88 | 70.10 +/- 5.42  | 72 | 119.81% | 97.36%  |
| WS | 48 | 16MB | 86.84 +/- 11.75 | 61.50 +/- 9.24  | 72 | 120.61% | 85.42%  |



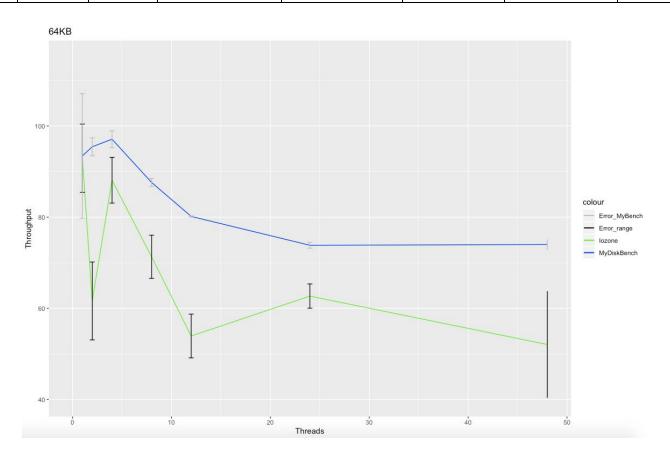


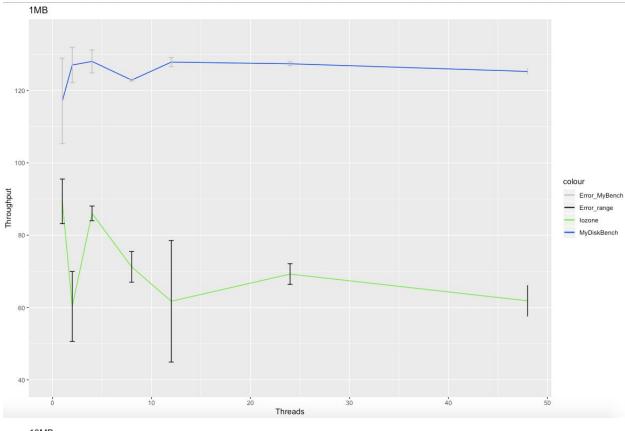


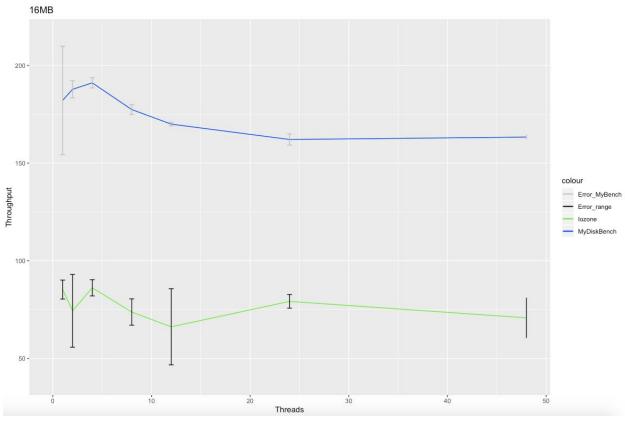
# Table 1b: RS

| Work<br>load | Concur<br>rency | Record<br>size | MyDiskBench<br>Measured<br>Throughput<br>(MB/sec) | IOZone<br>Measured<br>Throughput<br>(MB/sec) | Theoretical<br>Throughput<br>(MB/sec) | MyDiskBench<br>Efficiency (%) | IOZone<br>Efficiency<br>(%) |
|--------------|-----------------|----------------|---|--|---------------------------------------|-------------------------------|-----------------------------|
| RS           | 1               | 64KB           | 93.44 +/- 13.66                                   | 92.92 +/- 7.50                               | 72                                    | 129.78%                       | 129.06%                     |
| RS           | 1               | 1MB            | 117.16 +/- 11.81                                  | 89.36 +/- 6.178                              | 72                                    | 162.72%                       | 124.11%                     |
| RS           | 1               | 16MB           | 182.11 +/- 27.73                                  | 85.27 +/- 4.86                               | 72                                    | 252.93%                       | 118.43%                     |
| RS           | 2               | 64KB           | 95.44 +/- 1.96                                    | 61.61 +/- 8.54                               | 72                                    | 132.56%                       | 85.57%                      |
| RS           | 2               | 1MB            | 127.08 +/- 4.88                                   | 60.29 +/- 9.66                               | 72                                    | 176.50%                       | 83.74%                      |
| RS           | 2               | 16MB           | 187.78 +/- 4.39                                   | 74.38 +/- 18.61                              | 72                                    | 260.81%                       | 103.31%                     |
| RS           | 4               | 64KB           | 97.09 +/- 1.84                                    | 88.10 +/- 5.02                               | 72                                    | 134.85%                       | 122.36%                     |
| RS           | 4               | 1MB            | 128.07 +/- 3.18                                   | 86.04 +/- 2.03                               | 72                                    | 177.88%                       | 119.50%                     |
| RS           | 4               | 16MB           | 191.08 +/- 2.60                                   | 86.18 +/- 4.15                               | 72                                    | 265.39%                       | 119.69%                     |
| RS           | 8               | 64KB           | 87.61 +/- 0.86                                    | 71.30 +/- 4.73                               | 72                                    | 121.68%                       | 99.03%                      |
| RS           | 8               | 1MB            | 122.90 +/- 0.27                                   | 71.24 +/- 4.24                               | 72                                    | 170.69%                       | 98.94%                      |
| RS           | 8               | 16MB           | 177.42 +/- 2.44                                   | 73.77 +/- 6.73                               | 72                                    | 246.42%                       | 102.46%                     |
| RS           | 12              | 64KB           | 80.16 +/- 0.14                                    | 53.92 +/- 4.80                               | 72                                    | 111.33%                       | 74.89%                      |

| RS | 12 | 1MB  | 127.88 +/- 1.24 | 61.73 +/- 16.81 | 72 | 177.61% | 85.74%  |
|----|----|------|-----------------|-----------------|----|---------|---------|
| RS | 12 | 16MB | 169.96 +/- 0.91 | 66.20 +/- 19.49 | 72 | 236.06% | 91.94%  |
| RS | 24 | 64KB | 73.83 +/- 0.65  | 62.68 +/- 2.66  | 72 | 102.54% | 87.06%  |
| RS | 24 | 1MB  | 127.42 +/- 0.53 | 69.25 +/- 2.86  | 72 | 176.97% | 96.18%  |
| RS | 24 | 16MB | 162.09 +/- 2.86 | 79.23 +/- 3.49  | 72 | 225.13% | 110.04% |
| RS | 48 | 64KB | 73.99 +/- 1.13  | 52.06 +/- 11.71 | 72 | 102.76% | 72.31%  |
| RS | 48 | 1MB  | 125.30 +/- 0.84 | 61.85 +/- 4.33  | 72 | 174.03% | 85.90%  |
| RS | 48 | 16MB | 163.36 +/- 1.22 | 70.8 +/- 10.31  | 72 | 226.81% | 98.33%  |



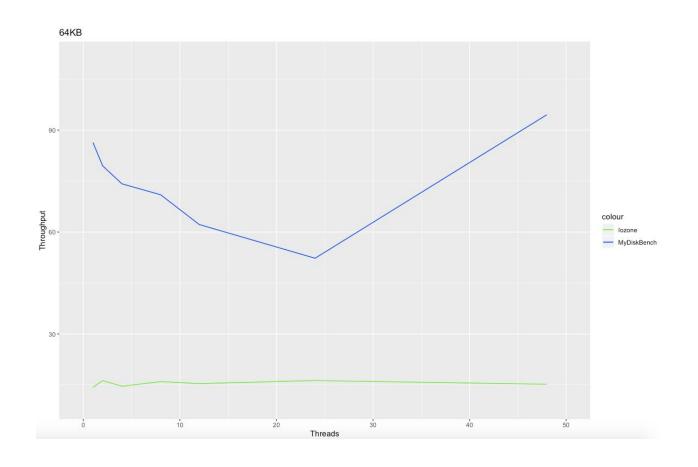


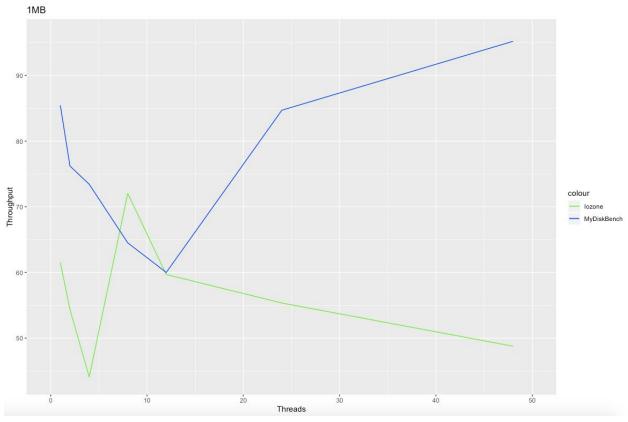


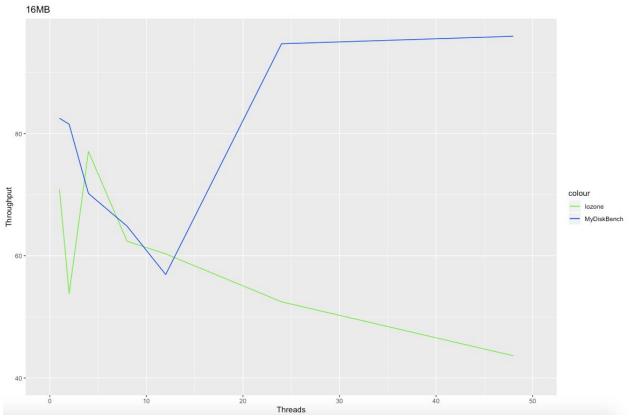
# Table 1c: WR

| Work<br>load | Concur<br>rency | Record<br>size | MyDiskBench<br>Measured<br>Throughput<br>(MB/sec) | IOZone<br>Measured<br>Throughput<br>(MB/sec) | Theoretical<br>Throughput<br>(MB/sec) | MyDiskBench<br>Efficiency (%) | IOZone<br>Efficiency<br>(%) |
|--------------|-----------------|----------------|---|--|---------------------------------------|-------------------------------|-----------------------------|
| WR           | 1               | 64KB           | 79.31 +/- 9.91                                    | 14.31  | 72                                    | 110.15%                       | 19.88%                      |
| WR           | 1               | 1MB            | 77.60 +/- 11.11                                   | 61.52  | 72                                    | 107.78%                       | 85.44%                      |
| WR           | 1               | 16MB           | 74.03 +/- 11.98                                   | 70.83  | 72                                    | 102.82%                       | 98.38%                      |
| WR           | 2               | 64KB           | 70.60 +/- 12.56                                   | 16.26  | 72                                    | 98.06%                        | 22.58%                      |
| WR           | 2               | 1MB            | 67.61 +/- 12.16                                   | 54.36  | 72                                    | 93.90%                        | 75.50%                      |
| WR           | 2               | 16MB           | 68.64 +/- 18.21                                   | 53.82  | 72                                    | 95.33%                        | 74.75%                      |
| WR           | 4               | 64KB           | 64.24 +/- 14.07                                   | 14.61  | 72                                    | 89.22%                        | 20.29%                      |
| WR           | 4               | 1MB            | 61.11 +/- 17.43                                   | 44.08  | 72                                    | 84.88%                        | 61.22%                      |
| WR           | 4               | 16MB           | 74.94 +/- 6.71                                    | 77.06  | 72                                    | 104.08%                       | 107.03%                     |
| WR           | 8               | 64KB           | 79.95 +/- 12.68                                   | 15.98  | 72                                    | 111.04%                       | 22.19%                      |
| WR           | 8               | 1MB            | 72.81 +/- 11.74                                   | 72.03  | 72                                    | 101.13%                       | 100.04%                     |
| WR           | 8               | 16MB           | 72.25 +/- 10.48                                   | 62.38  | 72                                    | 100.35%                       | 86.64%                      |
| WR           | 12              | 64KB           | 70.13 +/- 11.19                                   | 15.39  | 72                                    | 97.40%                        | 21.38%                      |

| WR | 12 | 1MB  | 67.41 +/- 10.48 | 59.69 | 72 | 93.63%  | 82.90% |
|----|----|------|-----------------|-------|----|---------|--------|
| WR | 12 | 16MB | 65.02 +/- 11.44 | 60.31 | 72 | 90.31%  | 83.76% |
| WR | 24 | 64KB | 62.01 +/- 13.75 | 16.30 | 72 | 86.13%  | 22.64% |
| WR | 24 | 1MB  | 76.34 +/- 11.83 | 55.35 | 72 | 106.03% | 76.88% |
| WR | 24 | 16MB | 81.12 +/- 19.18 | 52.47 | 72 | 112.67% | 72.88% |
| WR | 48 | 64KB | 79.52 +/- 21.23 | 15.20 | 72 | 110.44% | 21.11% |
| WR | 48 | 1MB  | 78.07 +/- 24.24 | 48.77 | 72 | 108.43% | 67.74% |
| WR | 48 | 16MB | 77.37 +/- 26.22 | 43.64 | 72 | 107.46% | 60.61% |



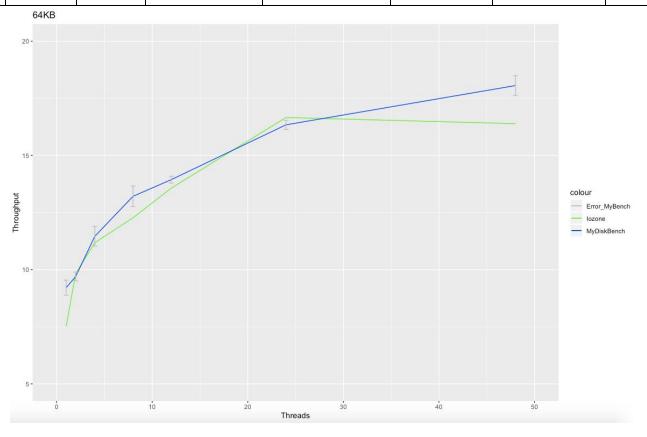


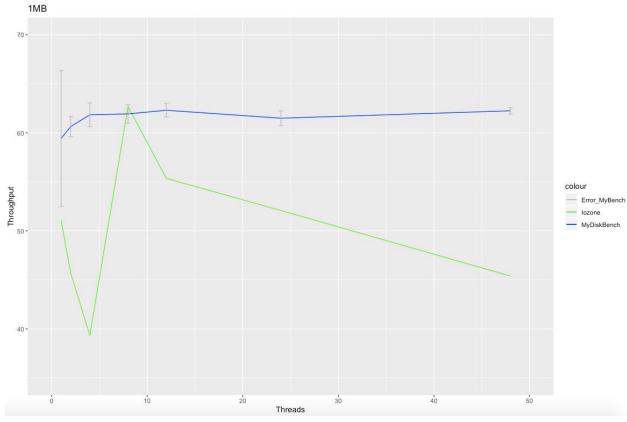


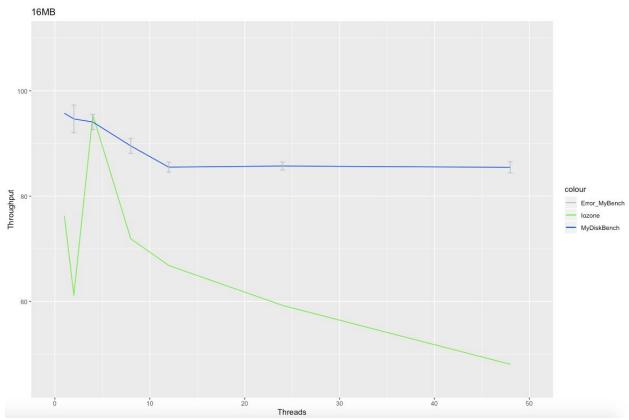
# Table 1d: RR

| Work<br>load | Concur<br>rency | Record<br>size | MyDiskBench<br>Measured<br>Throughput<br>(MB/sec) | IOZone<br>Measured<br>Throughput<br>(MB/sec) | Theoretical<br>Throughput<br>(MB/sec) | MyDiskBench<br>Efficiency (%) | IOZone<br>Efficiency<br>(%) |
|--------------|-----------------|----------------|---|--|---------------------------------------|-------------------------------|-----------------------------|
| RR           | 1               | 64KB           | 9.21 +/- 0.33                                     | 7.511  | 72                                    | 12.79%                        | 10.43%                      |
| RR           | 1               | 1MB            | 59.43 +/- 6.93                                    | 51.055                                       | 72                                    | 82.54%                        | 70.91%                      |
| RR           | 1               | 16MB           | 95.74 +/- 16.78                                   | 76.256                                       | 72                                    | 132.97%                       | 105.91%                     |
| RR           | 2               | 64KB           | 9.70 +/- 0.19                                     | 9.83   | 72                                    | 13.47%                        | 13.65%                      |
| RR           | 2               | 1MB            | 60.63 +/- 1.03                                    | 45.69  | 72                                    | 84.21%                        | 63.46%                      |
| RR           | 2               | 16MB           | 94.67 +/- 2.64                                    | 61.18  | 72                                    | 131.49%                       | 84.97%                      |
| RR           | 4               | 64KB           | 11.46 +/- 0.43                                    | 11.18  | 72                                    | 15.92%                        | 15.53%                      |
| RR           | 4               | 1MB            | 61.84 +/- 1.22                                    | 39.33  | 72                                    | 85.89%                        | 54.63%                      |
| RR           | 4               | 16MB           | 94.08 +/- 1.46                                    | 95.38  | 72                                    | 130.67%                       | 132.47%                     |
| RR           | 8               | 64KB           | 13.21 +/- 0.45                                    | 12.27  | 72                                    | 18.35%                        | 17.04%                      |
| RR           | 8               | 1MB            | 61.93 +/- 0.94                                    | 62.68  | 72                                    | 86.01%                        | 87.06%                      |
| RR           | 8               | 16MB           | 89.54 +/- 1.42                                    | 71.91  | 72                                    | 124.36%                       | 99.88%                      |
| RR           | 12              | 64KB           | 13.94 +/- 0.15                                    | 13.57  | 72                                    | 19.36%                        | 18.85%                      |

| RR | 12 | 1MB  | 62.30 +/- 0.69 | 55.35 | 72 | 86.53%  | 76.88% |
|----|----|------|----------------|-------|----|---------|--------|
| RR | 12 | 16MB | 85.51 +/- 0.95 | 66.84 | 72 | 118.76% | 92.83% |
| RR | 24 | 64KB | 16.34 +/- 0.20 | 16.66 | 72 | 22.69%  | 23.14% |
| RR | 24 | 1MB  | 61.49 +/- 0.75 | 52.07 | 72 | 85.40%  | 72.32% |
| RR | 24 | 16MB | 85.73 +/- 0.76 | 59.26 | 72 | 119.07% | 82.31% |
| RR | 48 | 64KB | 18.06 +/- 0.43 | 16.39 | 72 | 25.08%  | 22.76% |
| RR | 48 | 1MB  | 62.25 +/- 0.34 | 45.39 | 72 | 86.46%  | 63.04% |
| RR | 48 | 16MB | 85.47 +/- 1.06 | 48.08 | 72 | 118.71% | 66.78% |







## Table 2a: WR

| Work<br>load | Concur<br>rency | Record<br>size | MyDiskBench<br>Measured<br>IOPS<br>(OPS/sec) | IOZone<br>Measured<br>IOPS<br>(OPS/sec) | Theoretical<br>IOPS<br>(OPS/sec) | MyDiskBench<br>Efficiency (%) | IOZone<br>Efficiency<br>(%) |
|--------------|-----------------|----------------|--|---|----------------------------------|-------------------------------|-----------------------------|
| WR           | 1               | 4KB            | 17721.85 +/-<br>6732.29                      | 436.76                                  | 76                               | 23318.22%                     | 574.68%                     |
| WR           | 2               | 4KB            | 16917.45 +/-<br>6512.52                      | 2754.64                                 | 76                               | 22259.80%                     | 3624.53%                    |
| WR           | 4               | 4KB            | 18040.20 +/-<br>7467.19                      | 2511.84                                 | 76                               | 23737.11%                     | 3305.05%                    |
| WR           | 8               | 4KB            | 23478.05 +/-<br>2835.43                      | 1643.84                                 | 76                               | 30892.17%                     | 2162.95%                    |
| WR           | 12              | 4KB            | 22922.70 +/-<br>1644.16                      | 461.84                                  | 76                               | 30161.45%                     | 607.68%                     |
| WR           | 24              | 4KB            | 24024.85 +/-<br>2069.21                      | 436.36                                  | 76                               | 31611.64%                     | 574.16%                     |
| WR           | 48              | 4KB            | 22566.50 +/-<br>2425.52                      | 423.09                                  | 76                               | 29692.76%                     | 556.70%                     |

# Table 2b: RR

| Work<br>load | Concur<br>rency | Record<br>size | MyDiskBench<br>Measured<br>IOPS<br>(OPS/sec) | IOZone<br>Measured<br>IOPS<br>(OPS/sec) | Theoretical<br>IOPS<br>(OPS/sec) | MyDiskBench<br>Efficiency (%) | IOZone<br>Efficiency<br>(%) |
|--------------|-----------------|----------------|--|---|----------------------------------|-------------------------------|-----------------------------|
| RR           | 1               | 4KB            | 139.479                                      | 165.89                                  | 76                               | 183.53%                       | 218.28%                     |
| RR           | 2               | 4KB            | 172.793                                      | 7618.49                                 | 76                               | 227.36%                       | 10024.33%                   |
| RR           | 4               | 4KB            | 225.153                                      | 2808.29                                 | 76                               | 296.25%                       | 3695.12%                    |
| RR           | 8               | 4KB            | 289.202                                      | 1683.18                                 | 76                               | 380.53%                       | 2214.71%                    |
| RR           | 12              | 4KB            | 348.591                                      | 412.12                                  | 76                               | 458.67%                       | 542.26%                     |
| RR           | 24              | 4KB            | 446.204                                      | 439.96                                  | 76                               | 587.11%                       | 578.89%                     |
| RR           | 48              | 4KB            | 492.851                                      | 462.32                                  | 76                               | 648.49%                       | 608.32%                     |