

10s

```

2015-04-08 13:58:20.960278 10
2015-04-08 13:58:30.979006 10000
2015-04-08 13:58:40.981287 1
2015-04-08 13:58:50.998043 1000
2015-04-08 13:59:01.000729 1
2015-04-08 13:59:11.007824 100
2015-04-08 13:59:21.015367 1
2015-04-08 13:59:31.022201 10
2015-04-08 13:59:41.028745 1
2015-04-08 13:59:51.043519 10
2015-04-08 14:00:01.050978 1
2015-04-08 14:00:11.067595 100
2015-04-08 14:00:21.080990 1
2015-04-08 14:00:31.095580 1000
2015-04-08 14:00:41.099256 1
2015-04-08 14:00:51.110781 10000

```

```

-----
Client connecting to 10.0.0.2, TCP port 5001
TCP window size: 85.3 KByte (default)
-----

```

```

[ 5] local 10.0.0.1 port 37501 connected with 10.0.0.2
port 5001
[ ID] Interval      Transfer    Bandwidth
[ 5] 0.0-10.0 sec   12.1 MBytes 10.2 Mbits/sec
[ 5] 10.0-20.0 sec  11.1 GBytes 9.54 Gbits/sec
[ 5] 20.0-30.0 sec  23.1 MBytes 19.4 Mbits/sec
[ 5] 30.0-40.0 sec   1.07 GBytes 915 Mbits/sec
[ 5] 40.0-50.0 sec   4.12 MBytes 3.46 Mbits/sec
[ 5] 50.0-60.0 sec   107 MBytes 89.7 Mbits/sec
[ 5] 60.0-70.0 sec   4.12 MBytes 3.46 Mbits/sec
[ 5] 70.0-80.0 sec  10.2 MBytes 8.60 Mbits/sec
[ 5] 80.0-90.0 sec   0.00 Bytes 0.00 bits/sec
[ 5] 90.0-100.0 sec  10.5 MBytes 8.81 Mbits/sec
[ 5] 100.0-110.0 sec 4.00 MBytes 3.36 Mbits/sec
[ 5] 110.0-120.0 sec  112 MBytes 94.1 Mbits/sec
[ 5] 120.0-130.0 sec  0.00 Bytes 0.00 bits/sec
[ 5] 130.0-140.0 sec  1.05 GBytes 904 Mbits/sec
[ 5] 140.0-150.0 sec 16.1 MBytes 13.5 Mbits/sec
[ 5] 0.0-150.5 sec  13.5 GBytes 772 Mbits/sec

```

```

3982 root      20    0  29872  8780  4716 S  3.9  0.1  0:00.04 python
4069 root      20    0  324804 8900  4716 S  1.0  0.1  0:00.01 python
4069 root      20    0  324808 8968  4716 S  3.0  0.1  0:00.04 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 S  1.0  0.0  0:00.01 iperf -s
4069 root      20    0  324808 8968  4716 S  4.9  0.1  0:00.09 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 S  3.0  0.0  0:00.04 iperf -s
4069 root      20    0  324808 8968  4716 S  4.9  0.1  0:00.14 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 S  2.0  0.0  0:00.06 iperf -s
4069 root      20    0  324808 8968  4716 S  4.9  0.1  0:00.19 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 S  3.9  0.0  0:00.10 iperf -s
4069 root      20    0  324808 8968  4716 S  4.9  0.1  0:00.24 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 S  3.0  0.0  0:00.13 iperf -s
4062 root      20    0  96820  1572 1420 S  1.0  0.0  0:00.01 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0  324808 8968  4716 S  4.9  0.1  0:00.29 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 S  2.0  0.0  0:00.15 iperf -s
4069 root      20    0  324808 8968  4716 S  5.9  0.1  0:00.35 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 S  3.0  0.0  0:00.18 iperf -s
4069 root      20    0  324808 8968  4716 S  3.9  0.1  0:00.39 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 S  2.0  0.0  0:00.20 iperf -s
4058 root      20    0  170552 1488  1336 S  1.0  0.0  0:00.01 iperf -s
4063 root      20    0  170552 1488  1336 S  5.9  0.0  0:00.26 iperf -s
4069 root      20    0  324808 8968  4716 S  4.9  0.1  0:00.44 python SymbioDumbbell.py
4061 root      20    0  96820  1572 1420 S  4.0  0.0  0:00.04 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root      20    0  170552 1488  1336 S 12.9  0.0  0:00.39 iperf -s
4061 root      20    0  96820  1572 1420 S 10.9  0.0  0:00.15 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0  324808 8968  4716 S  1.0  0.1  0:00.45 python SymbioDumbbell.py
4062 root      20    0  96820  1572 1420 S  1.0  0.0  0:00.02 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root      20    0  170552 1488  1336 S 16.0  0.0  0:00.55 iperf -s
4061 root      20    0  96820  1572 1420 S  9.0  0.0  0:00.24 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0  324808 8968  4716 S  1.0  0.1  0:00.46 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 S 16.9  0.0  0:00.72 iperf -s
4061 root      20    0  96820  1572 1420 S  8.0  0.0  0:00.32 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0  324808 8968  4716 S  1.0  0.1  0:00.47 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 S 15.9  0.0  0:00.88 iperf -s
4061 root      20    0  96820  1572 1420 S  8.0  0.0  0:00.40 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0  324808 8968  4716 S  1.0  0.1  0:00.48 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 S 17.9  0.0  0:01.06 iperf -s
4061 root      20    0  96820  1572 1420 S  9.0  0.0  0:00.49 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0  324808 8968  4716 S  1.0  0.1  0:00.49 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 R 16.9  0.0  0:01.23 iperf -s
4061 root      20    0  96820  1572 1420 S  9.0  0.0  0:00.58 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0  324808 8968  4716 S  1.0  0.1  0:00.50 python SymbioDumbbell.py
4063 root      20    0  170552 1488  1336 S 16.9  0.0  0:01.40 iperf -s
4061 root      20    0  96820  1572 1420 S  8.0  0.0  0:00.66 iperf -c 10.0.0.2 -t 150.0 -i 10.0

```

```

4069 root      20    0 324808 8968 4716 S 2.0 0.1 0:00.52 python SymbioDumbbell.py
4063 root      20    0 170552 1488 1336 S 16.9 0.0 0:01.57 iperf -s
4061 root      20    0 96820 1572 1420 S 8.0 0.0 0:00.74 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root      20    0 170552 1488 1336 S 16.9 0.0 0:01.74 iperf -s
4061 root      20    0 96820 1572 1420 S 9.0 0.0 0:00.83 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0 324808 8968 4716 S 1.0 0.1 0:00.53 python SymbioDumbbell.py
4063 root      20    0 170552 1488 1336 S 15.9 0.0 0:01.90 iperf -s
4061 root      20    0 96820 1572 1420 S 8.0 0.0 0:00.91 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0 324808 8968 4716 S 1.0 0.1 0:00.54 python SymbioDumbbell.py
4058 root      20    0 170552 1488 1336 S 1.0 0.0 0:00.02 iperf -s
4069 root      20    0 324808 8968 4716 S 4.0 0.1 0:00.58 python SymbioDumbbell.py
4069 root      20    0 324808 8968 4716 S 4.0 0.1 0:00.62 python SymbioDumbbell.py
4069 root      20    0 324808 8968 4716 S 4.9 0.1 0:00.67 python SymbioDumbbell.py
4069 root      20    0 324808 8968 4716 S 3.9 0.1 0:00.71 python SymbioDumbbell.py
4069 root      20    0 324808 8968 4716 S 3.0 0.1 0:00.74 python SymbioDumbbell.py
4069 root      20    0 324808 8968 4716 S 4.0 0.1 0:00.78 python SymbioDumbbell.py
4063 root      20    0 170552 1488 1336 S 1.0 0.0 0:01.91 iperf -s
4069 root      20    0 324808 8968 4716 S 3.9 0.1 0:00.82 python SymbioDumbbell.py
4062 root      20    0 96820 1572 1420 S 1.0 0.0 0:00.03 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0 324808 8968 4716 S 3.9 0.1 0:00.86 python SymbioDumbbell.py
4069 root      20    0 324808 8968 4716 S 4.9 0.1 0:00.91 python SymbioDumbbell.py
4058 root      20    0 170552 1488 1336 S 2.0 0.0 0:00.04 iperf -s
4062 root      20    0 96820 1572 1420 S 1.0 0.0 0:00.04 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0 324808 8968 4716 S 4.9 0.1 0:00.96 python SymbioDumbbell.py
4063 root      20    0 170552 1488 1336 S 6.9 0.0 0:01.98 iperf -s
4069 root      20    0 324808 8968 4716 S 3.0 0.1 0:00.99 python SymbioDumbbell.py
4061 root      20    0 96820 1572 1420 S 1.0 0.0 0:00.92 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root      20    0 170552 1488 1336 S 6.0 0.0 0:02.04 iperf -s
4069 root      20    0 324808 8968 4716 S 2.0 0.1 0:01.01 python SymbioDumbbell.py
4061 root      20    0 96820 1572 1420 S 2.0 0.0 0:00.94 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root      20    0 170552 1488 1336 S 8.0 0.0 0:02.12 iperf -s
4069 root      20    0 324808 8968 4716 S 3.0 0.1 0:01.04 python SymbioDumbbell.py
4061 root      20    0 96820 1572 1420 S 2.0 0.0 0:00.96 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4062 root      20    0 96820 1572 1420 S 1.0 0.0 0:00.05 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root      20    0 170552 1488 1336 S 5.9 0.0 0:02.18 iperf -s
4069 root      20    0 324808 8968 4716 S 3.0 0.1 0:01.07 python SymbioDumbbell.py
4061 root      20    0 96820 1572 1420 S 2.0 0.0 0:00.98 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root      20    0 170552 1488 1336 S 8.9 0.0 0:02.27 iperf -s
4069 root      20    0 324808 8968 4716 S 4.0 0.1 0:01.11 python SymbioDumbbell.py
4061 root      20    0 96820 1572 1420 S 3.0 0.0 0:01.01 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root      20    0 170552 1488 1336 S 8.9 0.0 0:02.36 iperf -s
4069 root      20    0 324808 8968 4716 S 2.0 0.1 0:01.13 python SymbioDumbbell.py
4061 root      20    0 96820 1572 1420 S 2.0 0.0 0:01.03 iperf -c 10.0.0.2 -t 150.0 -i 10.0
3980 localus+ 20    0 11752 2228 2092 S 1.0 0.0 0:00.01 grep --color=auto SymbioDumbbell\|iperf
4063 root      20    0 170552 1488 1336 S 6.9 0.0 0:02.43 iperf -s
4069 root      20    0 324808 8968 4716 S 3.0 0.1 0:01.16 python SymbioDumbbell.py
4061 root      20    0 96820 1572 1420 S 1.0 0.0 0:01.04 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root      20    0 170552 1488 1336 S 7.0 0.0 0:02.50 iperf -s
4069 root      20    0 324808 8968 4716 S 2.0 0.1 0:01.18 python SymbioDumbbell.py
4061 root      20    0 96820 1572 1420 S 1.0 0.0 0:01.05 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root      20    0 170552 1488 1336 S 5.9 0.0 0:02.56 iperf -s
4069 root      20    0 324808 8968 4716 S 2.0 0.1 0:01.20 python SymbioDumbbell.py
4061 root      20    0 96820 1572 1420 S 2.0 0.0 0:01.07 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root      20    0 170552 1488 1336 S 3.0 0.0 0:02.59 iperf -s
4069 root      20    0 324808 8968 4716 S 2.0 0.1 0:01.22 python SymbioDumbbell.py
4069 root      20    0 324808 8968 4716 S 2.0 0.1 0:01.24 python SymbioDumbbell.py
4058 root      20    0 170552 1488 1336 S 1.0 0.0 0:00.05 iperf -s
4062 root      20    0 96820 1572 1420 S 1.0 0.0 0:00.06 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0 324808 8968 4716 S 3.0 0.1 0:01.27 python SymbioDumbbell.py
4069 root      20    0 324808 8968 4716 S 4.9 0.1 0:01.32 python SymbioDumbbell.py
4069 root      20    0 324808 8968 4716 S 4.9 0.1 0:01.37 python SymbioDumbbell.py
4069 root      20    0 324808 8968 4716 S 5.9 0.1 0:01.43 python SymbioDumbbell.py
4069 root      20    0 324808 8968 4716 S 3.9 0.1 0:01.47 python SymbioDumbbell.py
4069 root      20    0 324808 8972 4716 S 4.9 0.1 0:01.52 python SymbioDumbbell.py
4058 root      20    0 170552 1488 1336 S 1.0 0.0 0:00.06 iperf -s
4061 root      20    0 96820 1572 1420 S 1.0 0.0 0:01.08 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0 324808 8972 4716 S 4.9 0.1 0:01.57 python SymbioDumbbell.py
4062 root      20    0 96820 1572 1420 S 1.0 0.0 0:00.07 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20    0 324808 8972 4716 S 4.9 0.1 0:01.62 python SymbioDumbbell.py
4063 root      20    0 170552 1488 1336 S 1.0 0.0 0:02.60 iperf -s
4069 root      20    0 324808 8972 4716 S 3.9 0.1 0:01.66 python SymbioDumbbell.py
4069 root      20    0 324808 8972 4716 S 5.9 0.1 0:01.72 python SymbioDumbbell.py
4063 root      20    0 170552 1488 1336 S 3.0 0.0 0:02.63 iperf -s

```

```

4058 root      20  0 170552 1488 1336 S 1.0 0.0 0:00.07 iperf -s
4069 root      20  0 324808 8972 4716 S 3.0 0.1 0:01.75 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.64 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:01.80 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 2.0 0.0 0:02.66 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:01.85 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 2.0 0.0 0:02.68 iperf -s
4058 root      20  0 170552 1488 1336 S 1.0 0.0 0:00.08 iperf -s
4061 root      20  0 96820 1572 1420 S 1.0 0.0 0:01.09 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.08 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:01.90 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.69 iperf -s
4069 root      20  0 324808 8972 4716 S 3.9 0.1 0:01.94 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 2.0 0.0 0:02.71 iperf -s
4061 root      20  0 96820 1572 1420 S 1.0 0.0 0:01.10 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.09 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.0 0.1 0:01.98 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.72 iperf -s
4069 root      20  0 324808 8972 4716 S 4.0 0.1 0:02.02 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.73 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:02.07 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.74 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:02.12 python SymbioDumbbell.py
4056 root      20  0 324808 8972 4716 S 1.0 0.1 0:00.01 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.75 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:02.17 python SymbioDumbbell.py
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.10 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:02.22 python SymbioDumbbell.py
4058 root      20  0 170552 1488 1336 S 2.0 0.0 0:00.10 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:02.27 python SymbioDumbbell.py
4061 root      20  0 96820 1572 1420 S 1.0 0.0 0:01.11 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:02.32 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:02.37 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 5.9 0.1 0:02.43 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.0 0.1 0:02.47 python SymbioDumbbell.py
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.11 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:02.52 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:02.57 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.0 0.1 0:02.61 python SymbioDumbbell.py
4058 root      20  0 170552 1488 1336 S 1.0 0.0 0:00.11 iperf -s
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.12 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:02.66 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.76 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:02.71 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 5.9 0.1 0:02.77 python SymbioDumbbell.py
4058 root      20  0 170552 1488 1336 S 1.0 0.0 0:00.12 iperf -s
4069 root      20  0 324808 8972 4716 S 3.9 0.1 0:02.81 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.0 0.1 0:02.85 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 5.9 0.1 0:02.91 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:02.96 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.77 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:03.01 python SymbioDumbbell.py
4058 root      20  0 170552 1488 1336 S 1.0 0.0 0:00.13 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:03.06 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 3.0 0.0 0:02.80 iperf -s
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.13 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:03.11 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.81 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:03.16 python SymbioDumbbell.py
4058 root      20  0 170552 1488 1336 S 1.0 0.0 0:00.14 iperf -s
1m 4069 root   20  0 324808 8972 4716 R 4.9 0.1 0:03.21 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.82 iperf -s
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.14 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:03.26 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 3.9 0.1 0:03.30 python SymbioDumbbell.py
3980 localus+ 20  0 11752 2228 2092 S 1.0 0.0 0:00.02 grep --color=auto SymbioDumbbell\|iperf
4069 root      20  0 324808 8972 4716 S 5.9 0.1 0:03.36 python SymbioDumbbell.py
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.15 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 3.9 0.1 0:03.40 python SymbioDumbbell.py
4058 root      20  0 170552 1488 1336 S 1.0 0.0 0:00.15 iperf -s
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.83 iperf -s
4069 root      20  0 324808 8972 4716 S 3.0 0.1 0:03.43 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:03.48 python SymbioDumbbell.py

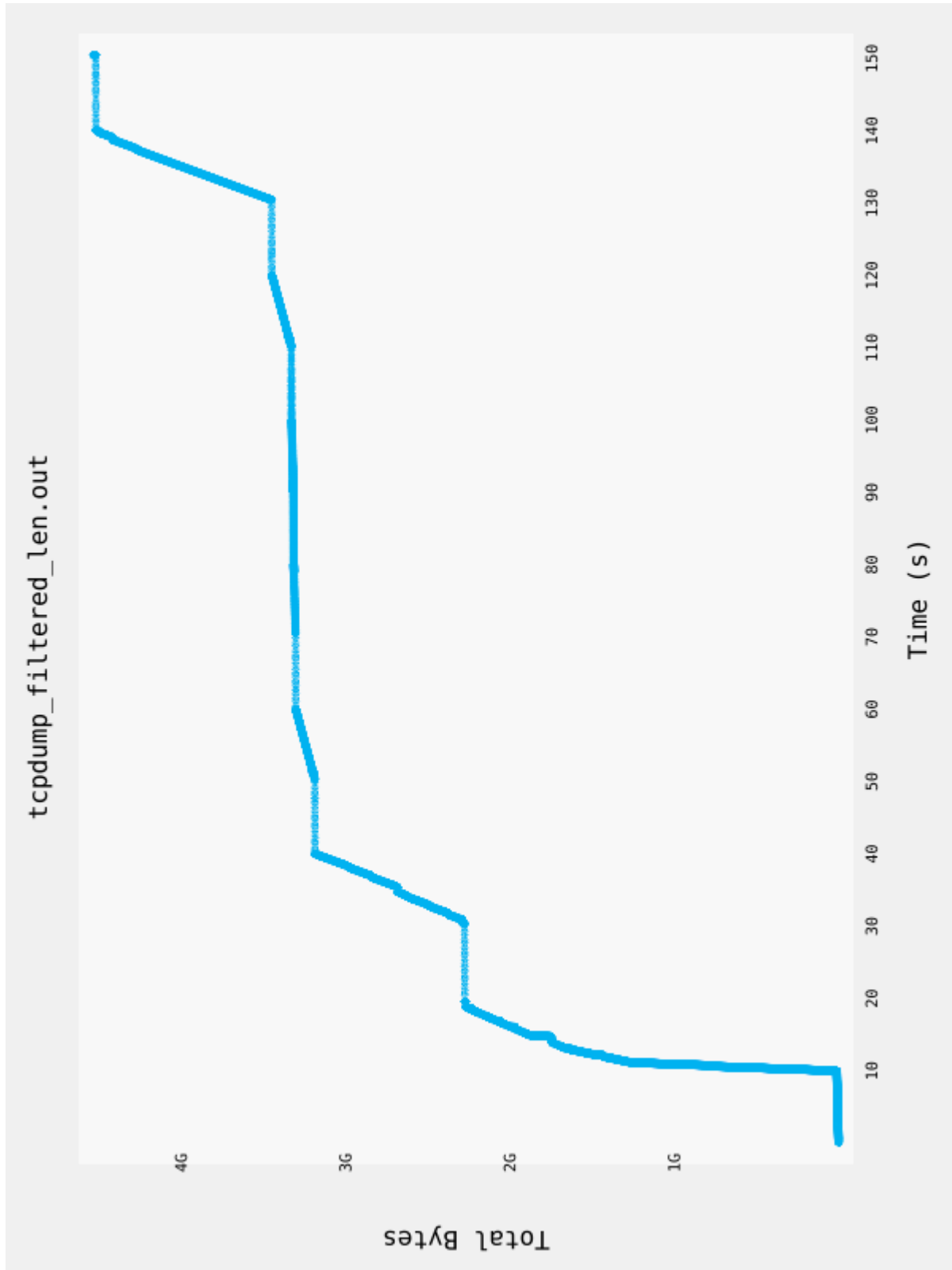
```

```

4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:03.53 python SymbioDumbbell.py
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.16 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 2.0 0.1 0:03.55 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 2.0 0.0 0:02.85 iperf -s
4069 root      20  0 324808 8972 4716 S 5.9 0.1 0:03.61 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 2.0 0.0 0:02.87 iperf -s
4058 root      20  0 170552 1488 1336 S 1.0 0.0 0:00.16 iperf -s
4069 root      20  0 324808 8972 4716 S 3.9 0.1 0:03.65 python SymbioDumbbell.py
1m 4069 root   20  0 324808 8972 4716 R 4.9 0.1 0:03.70 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.88 iperf -s
4069 root      20  0 324808 8972 4716 S 5.9 0.1 0:03.76 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 3.9 0.1 0:03.80 python SymbioDumbbell.py
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.17 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 5.9 0.1 0:03.86 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.89 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:03.91 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.0 0.1 0:03.95 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.90 iperf -s
4069 root      20  0 324808 8972 4716 S 5.9 0.1 0:04.01 python SymbioDumbbell.py
4056 root      20  0 324808 8972 4716 S 1.0 0.1 0:00.02 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.0 0.1 0:04.05 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:04.10 python SymbioDumbbell.py
4058 root      20  0 170552 1488 1336 S 2.0 0.0 0:00.18 iperf -s
4069 root      20  0 324808 8972 4716 S 4.0 0.1 0:04.14 python SymbioDumbbell.py
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.18 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:04.19 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.0 0.1 0:04.23 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 5.9 0.1 0:04.29 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:02.91 iperf -s
4061 root      20  0 96820 1572 1420 S 1.0 0.0 0:01.12 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.19 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:04.34 python SymbioDumbbell.py
3980 localus+ 20  0 11752 2228 2092 S 1.0 0.0 0:00.03 grep --color=auto SymbioDumbbell\|iperf
4058 root      20  0 170552 1488 1336 S 1.0 0.0 0:00.19 iperf -s
4069 root      20  0 324808 8972 4716 S 3.9 0.1 0:04.38 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:04.43 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:04.48 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 4.9 0.0 0:02.96 iperf -s
4069 root      20  0 324808 8972 4716 S 3.9 0.1 0:04.52 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:04.57 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 3.0 0.0 0:02.99 iperf -s
4058 root      20  0 170552 1488 1336 S 1.0 0.0 0:00.20 iperf -s
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.20 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 5.9 0.1 0:04.63 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:03.00 iperf -s
4069 root      20  0 324808 8972 4716 S 3.9 0.1 0:04.67 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 2.0 0.0 0:03.02 iperf -s
4061 root      20  0 96820 1572 1420 S 1.0 0.0 0:01.13 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:04.72 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:03.03 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:04.77 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 2.0 0.0 0:03.05 iperf -s
4061 root      20  0 96820 1572 1420 S 1.0 0.0 0:01.14 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:04.82 python SymbioDumbbell.py
4058 root      20  0 170552 1488 1336 S 1.0 0.0 0:00.21 iperf -s
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:03.06 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:04.87 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 3.0 0.0 0:03.09 iperf -s
4069 root      20  0 324808 8972 4716 S 4.0 0.1 0:04.91 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:03.10 iperf -s
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.21 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:04.96 python SymbioDumbbell.py
4063 root      20  0 170552 1488 1336 S 1.0 0.0 0:03.11 iperf -s
4061 root      20  0 96820 1572 1420 S 1.0 0.0 0:01.15 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 3.0 0.1 0:04.99 python SymbioDumbbell.py
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.22 iperf -c 10.0.0.2 -t 150.0 -i 10.0
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:05.04 python SymbioDumbbell.py
4058 root      20  0 170552 1488 1336 S 1.0 0.0 0:00.22 iperf -s
4069 root      20  0 324808 8972 4716 S 4.9 0.1 0:05.09 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 3.9 0.1 0:05.13 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 5.9 0.1 0:05.19 python SymbioDumbbell.py
4069 root      20  0 324808 8972 4716 S 3.9 0.1 0:05.23 python SymbioDumbbell.py
4062 root      20  0 96820 1572 1420 S 1.0 0.0 0:00.23 iperf -c 10.0.0.2 -t 150.0 -i 10.0

```

4069 root	20	0	324808	8972	4716 S	3.0	0.1	0:05.26	python SymbioDumbbell.py
4069 root	20	0	324808	8972	4716 S	4.9	0.1	0:05.31	python SymbioDumbbell.py
4058 root	20	0	170552	1488	1336 S	1.0	0.0	0:00.23	iperf -s
4069 root	20	0	324808	8972	4716 S	3.9	0.1	0:05.35	python SymbioDumbbell.py
4069 root	20	0	324808	8972	4716 S	3.9	0.1	0:05.39	python SymbioDumbbell.py
4063 root	20	0	170552	1488	1336 S	5.9	0.0	0:03.17	iperf -s
4069 root	20	0	324808	8972	4716 S	2.0	0.1	0:05.41	python SymbioDumbbell.py
4061 root	20	0	96820	1572	1420 S	1.0	0.0	0:01.16	iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root	20	0	170552	1488	1336 S	8.0	0.0	0:03.25	iperf -s
4069 root	20	0	324808	8972	4716 S	3.0	0.1	0:05.44	python SymbioDumbbell.py
4061 root	20	0	96820	1572	1420 S	2.0	0.0	0:01.18	iperf -c 10.0.0.2 -t 150.0 -i 10.0
4062 root	20	0	96820	1572	1420 S	1.0	0.0	0:00.24	iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root	20	0	170552	1488	1336 R	6.9	0.0	0:03.32	iperf -s
4069 root	20	0	324808	8972	4716 S	1.0	0.1	0:05.45	python SymbioDumbbell.py
4061 root	20	0	96820	1572	1420 S	1.0	0.0	0:01.19	iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root	20	0	170552	1488	1336 S	7.9	0.0	0:03.40	iperf -s
4069 root	20	0	324808	8972	4716 S	3.9	0.1	0:05.49	python SymbioDumbbell.py
4061 root	20	0	96820	1572	1420 S	2.0	0.0	0:01.21	iperf -c 10.0.0.2 -t 150.0 -i 10.0
4058 root	20	0	170552	1488	1336 S	1.0	0.0	0:00.24	iperf -s
4063 root	20	0	170552	1488	1336 S	6.0	0.0	0:03.46	iperf -s
4069 root	20	0	324808	8972	4716 S	2.0	0.1	0:05.51	python SymbioDumbbell.py
4061 root	20	0	96820	1572	1420 S	1.0	0.0	0:01.22	iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root	20	0	170552	1488	1336 S	10.0	0.0	0:03.56	iperf -s
4069 root	20	0	324808	8972	4716 S	3.0	0.1	0:05.54	python SymbioDumbbell.py
4061 root	20	0	96820	1572	1420 S	2.0	0.0	0:01.24	iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root	20	0	170552	1488	1336 S	8.0	0.0	0:03.64	iperf -s
4069 root	20	0	324808	8972	4716 S	2.0	0.1	0:05.56	python SymbioDumbbell.py
4061 root	20	0	96820	1572	1420 S	1.0	0.0	0:01.25	iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root	20	0	170552	1488	1336 S	5.0	0.0	0:03.69	iperf -s
4069 root	20	0	324808	8972	4716 S	2.0	0.1	0:05.58	python SymbioDumbbell.py
4061 root	20	0	96820	1572	1420 S	2.0	0.0	0:01.27	iperf -c 10.0.0.2 -t 150.0 -i 10.0
4063 root	20	0	170552	1488	1336 S	6.0	0.0	0:03.75	iperf -s
4069 root	20	0	324808	8972	4716 S	3.0	0.1	0:05.61	python SymbioDumbbell.py
4061 root	20	0	96820	1572	1420 S	1.0	0.0	0:01.28	iperf -c 10.0.0.2 -t 150.0 -i 10.0



1s

```

2015-04-08 14:02:26.479737 10
2015-04-08 14:02:27.485868 10000
2015-04-08 14:02:28.488844 1
2015-04-08 14:02:29.492261 1000
2015-04-08 14:02:30.495696 1
2015-04-08 14:02:31.503593 100
2015-04-08 14:02:32.509519 1
2015-04-08 14:02:33.516823 10
2015-04-08 14:02:34.522674 1
2015-04-08 14:02:35.530167 10
2015-04-08 14:02:36.537198 1
2015-04-08 14:02:37.540422 100
2015-04-08 14:02:38.543012 1
2015-04-08 14:02:39.549771 1000
2015-04-08 14:02:40.553893 1
2015-04-08 14:02:41.560823 10000

```

```

-----
Client connecting to 10.0.0.2, TCP port 5001
TCP window size: 85.3 KByte (default)
-----

```

```

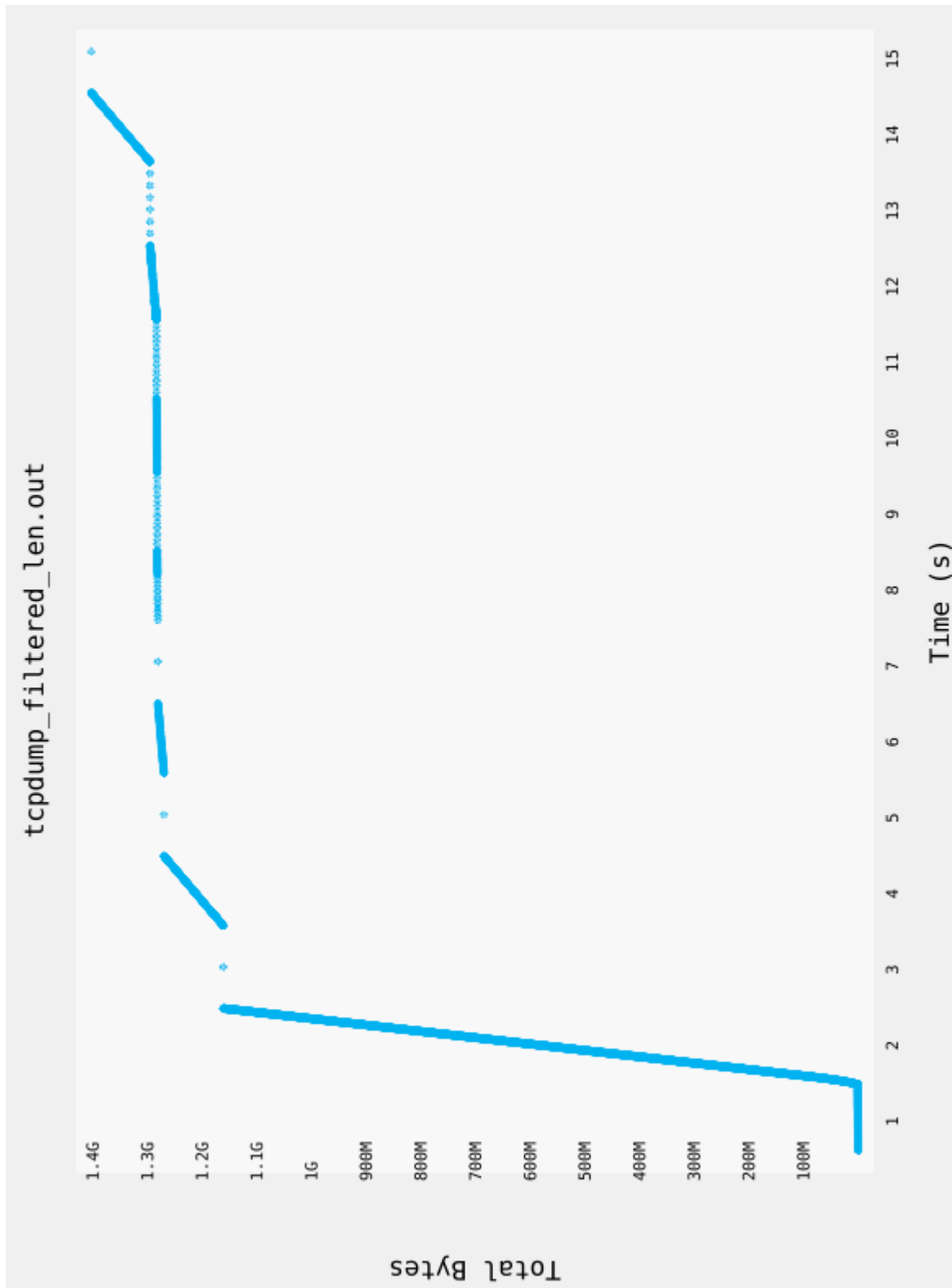
[ 5] local 10.0.0.1 port 37502 connected with 10.0.0.2
port 5001
[ ID] Interval      Transfer    Bandwidth
[ 5] 0.0- 1.0 sec  1.88 MBytes 15.7 Mbits/sec
[ 5] 1.0- 2.0 sec  1.11 GBytes 9.53 Gbits/sec
[ 5] 2.0- 3.0 sec  5.75 MBytes 48.2 Mbits/sec
[ 5] 3.0- 4.0 sec  104 MBytes  870 Mbits/sec
[ 5] 4.0- 5.0 sec   0.00 Bytes  0.00 bits/sec
[ 5] 5.0- 6.0 sec  10.0 MBytes 83.9 Mbits/sec
[ 5] 6.0- 7.0 sec   0.00 Bytes  0.00 bits/sec
[ 5] 7.0- 8.0 sec  4.88 MBytes 40.9 Mbits/sec
[ 5] 8.0- 9.0 sec   0.00 Bytes  0.00 bits/sec
[ 5] 9.0-10.0 sec   0.00 Bytes  0.00 bits/sec
[ 5] 10.0-11.0 sec  0.00 Bytes  0.00 bits/sec
[ 5] 11.0-12.0 sec  10.4 MBytes 87.0 Mbits/sec
[ 5] 12.0-13.0 sec   0.00 Bytes  0.00 bits/sec
[ 5] 13.0-14.0 sec  93.5 MBytes 784 Mbits/sec
[ 5] 14.0-15.0 sec  10.6 MBytes 89.1 Mbits/sec
[ 5] 0.0-15.2 sec  1.35 GBytes 762 Mbits/sec

```

```

4185 root      20    0 324804 10948 4724 S 4.0 0.1 0:00.04 python SymbioDumbbell.py
4266 root      20    0 170552 1516 1364 S 7.0 0.0 0:00.07 iperf -s
4264 root      20    0 96820 1700 1552 S 7.0 0.0 0:00.07 iperf -c 10.0.0.2 -t 15.0 -i 1.0
4272 root      20    0 324808 8992 4724 S 3.0 0.1 0:00.03 python SymbioDumbbell.py
4266 root      20    0 170552 1516 1364 S 9.0 0.0 0:00.16 iperf -s
4264 root      20    0 96820 1700 1552 S 6.0 0.0 0:00.13 iperf -c 10.0.0.2 -t 15.0 -i 1.0
4272 root      20    0 324808 8992 4724 S 1.0 0.1 0:00.04 python SymbioDumbbell.py
4272 root      20    0 324808 8992 4724 S 2.0 0.1 0:00.06 python SymbioDumbbell.py
4266 root      20    0 170552 1516 1364 S 2.0 0.0 0:00.18 iperf -s
4264 root      20    0 96820 1700 1552 S 1.0 0.0 0:00.14 iperf -c 10.0.0.2 -t 15.0 -i 1.0
4266 root      20    0 170552 1516 1364 S 5.0 0.0 0:00.23 iperf -s
4272 root      20    0 324808 8992 4724 S 3.0 0.1 0:00.09 python SymbioDumbbell.py
4264 root      20    0 96820 1700 1552 S 1.0 0.0 0:00.15 iperf -c 10.0.0.2 -t 15.0 -i 1.0
4272 root      20    0 324808 8996 4724 S 3.0 0.1 0:00.12 python SymbioDumbbell.py
4264 root      20    0 96820 1700 1552 S 1.0 0.0 0:00.16 iperf -c 10.0.0.2 -t 15.0 -i 1.0
4272 root      20    0 324808 8996 4724 S 3.0 0.1 0:00.15 python SymbioDumbbell.py
4272 root      20    0 324808 8996 4724 R 5.9 0.1 0:00.21 python SymbioDumbbell.py
4266 root      20    0 170552 1516 1364 S 1.0 0.0 0:00.24 iperf -s
4272 root      20    0 324808 8996 4724 S 3.9 0.1 0:00.25 python SymbioDumbbell.py
4272 root      20    0 324808 8996 4724 S 3.0 0.1 0:00.28 python SymbioDumbbell.py
4259 root      20    0 324808 8996 4724 S 1.0 0.1 0:00.01 python SymbioDumbbell.py
4272 root      20    0 324808 8996 4724 S 4.9 0.1 0:00.33 python SymbioDumbbell.py

```

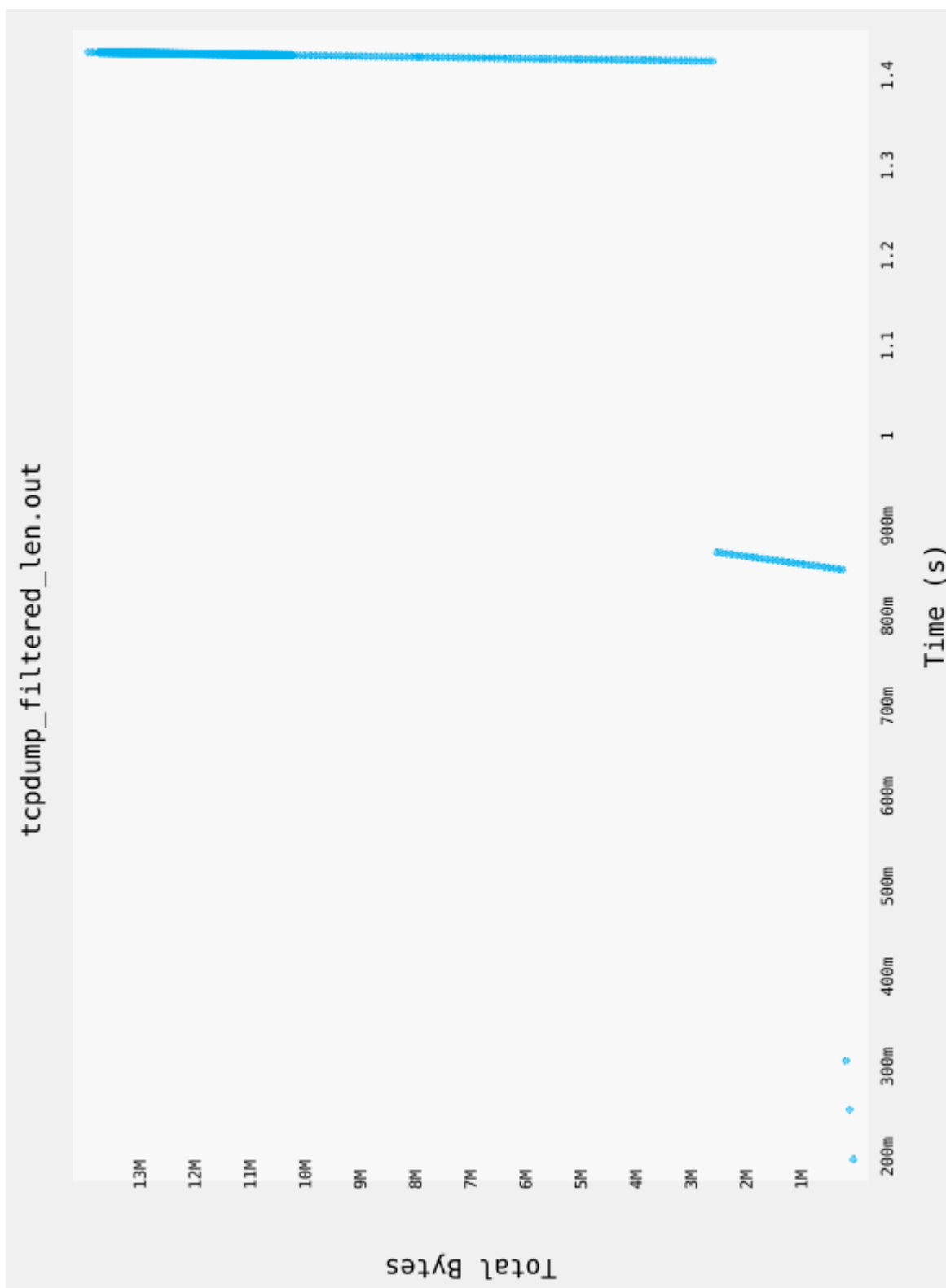


0.1s

```
2015-04-08 14:04:04.447218 10
2015-04-08 14:04:04.550744 10000
2015-04-08 14:04:04.652258 1
2015-04-08 14:04:04.753832 1000
2015-04-08 14:04:04.855351 1
2015-04-08 14:04:04.956844 100
2015-04-08 14:04:05.058356 1
2015-04-08 14:04:05.159818 10
2015-04-08 14:04:05.261361 1
2015-04-08 14:04:05.362886 10
2015-04-08 14:04:05.464386 1
2015-04-08 14:04:05.565950 100
2015-04-08 14:04:05.667455 1
2015-04-08 14:04:05.768938 1000
2015-04-08 14:04:05.870476 1
2015-04-08 14:04:05.971893 10000
```

```
-----
Client connecting to 10.0.0.2, TCP port 5001
TCP window size: 93.5 KByte (default)
-----
```

```
[ 5] local 10.0.0.1 port 37503 connected with 10.0.0.2
      port 5001
[ ID] Interval      Transfer    Bandwidth
[ 5] 0.0- 0.5 sec    121 MBytes  2.03 Gbits/sec
[ 5] 0.5- 1.0 sec    0.00 Bytes  0.00 bits/sec
[ 5] 1.0- 1.5 sec    3.38 MBytes 56.6 Mbits/sec
[ 5] 0.0- 2.0 sec    124 MBytes  531 Mbits/sec
```



0.01s

2015-04-08 14:05:55.468706 10
2015-04-08 14:05:55.481965 10000
2015-04-08 14:05:55.493618 1
2015-04-08 14:05:55.505077 1000
2015-04-08 14:05:55.516508 1
2015-04-08 14:05:55.527884 100
2015-04-08 14:05:55.539286 1
2015-04-08 14:05:55.550615 10
2015-04-08 14:05:55.561972 1
2015-04-08 14:05:55.573291 10
2015-04-08 14:05:55.584669 1
2015-04-08 14:05:55.596017 100
2015-04-08 14:05:55.607388 1
2015-04-08 14:05:55.618719 1000
2015-04-08 14:05:55.630139 1
2015-04-08 14:05:55.641448 10000

```
-----
Client connecting to 10.0.0.2, TCP port 5001
TCP window size: 85.3 KByte (default)
-----

[ 5] local 10.0.0.1 port 37504 connected with 10.0.0.2
      port 5001
[ ID] Interval      Transfer    Bandwidth
[  5] 0.0- 0.5 sec  15.0 MBytes 252 Mbits/sec
[  5] 0.0- 0.6 sec  15.1 MBytes 223 Mbits/sec
```

