

**Pantheon Summary** (Generated at Wed, 05 Jul 2017 02:23:48 +0000 with pantheon version afeabcbf9f0bccb7f5555428c3b5bcceec857e76)

Repeated the test of 15 congestion control schemes 10 times.

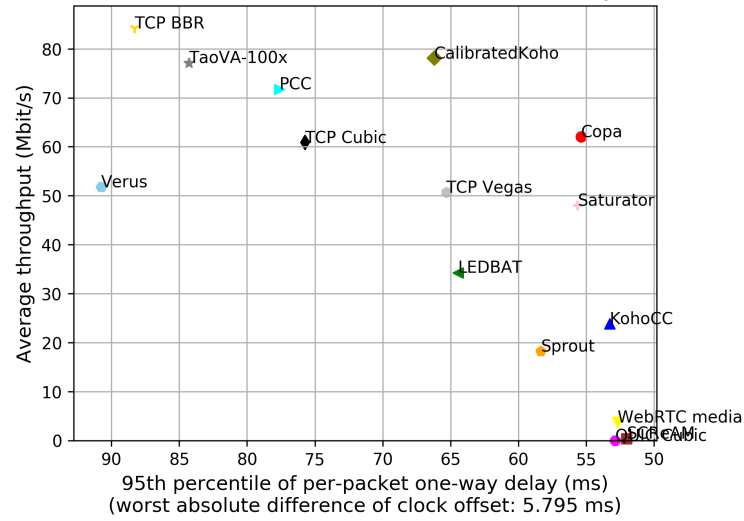
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Data path **from** AWS California 2 Ethernet **to** Mexico Ethernet.

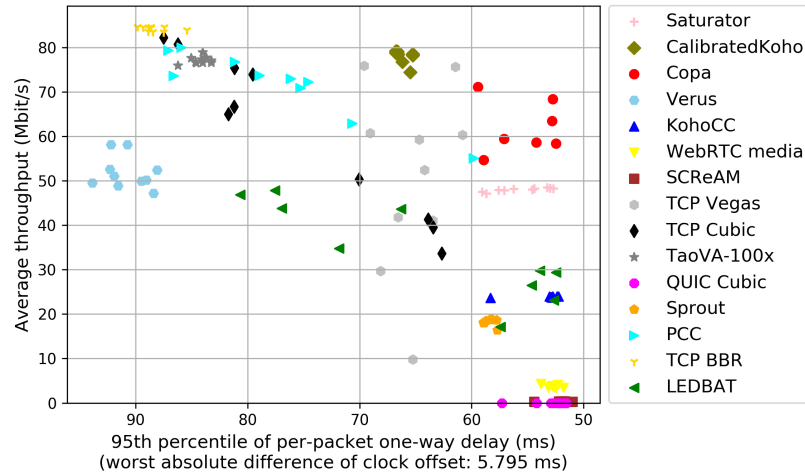
NTP offset measured against time.stanford.edu.

```
git branch: master @ afeabcbf9f0bccb7f5555428c3b5bcceec857e76
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ c792f8e8e0704b1646a0e024766675d8e9a835f1
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows (mean of all runs by scheme)

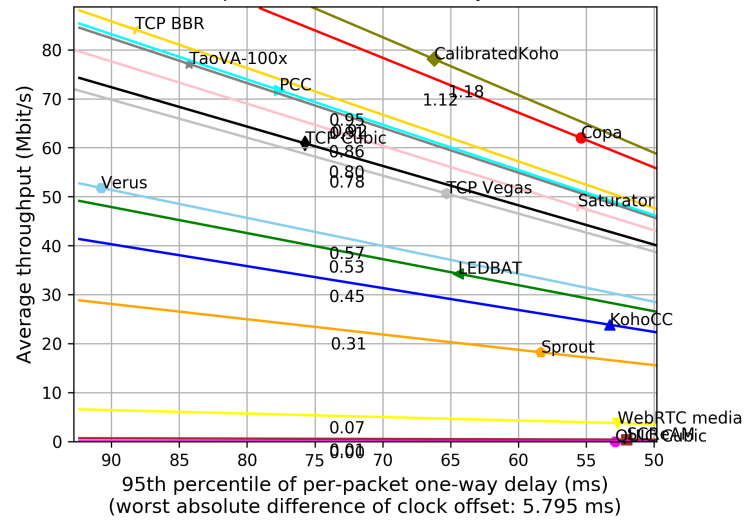


test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows





test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows  
 mean power scores of all runs by scheme



Run 1: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 18:52:35 +0000

End at: Tue, 04 Jul 2017 18:53:05 +0000

Local clock offset: 0.95 ms

Remote clock offset: -2.489 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:13:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.58 Mbit/s

95th percentile per-packet one-way delay: 89.347 ms

Loss rate: 10.12%

-- Flow 1:

Average throughput: 53.79 Mbit/s

95th percentile per-packet one-way delay: 88.523 ms

Loss rate: 8.13%

-- Flow 2:

Average throughput: 20.55 Mbit/s

95th percentile per-packet one-way delay: 90.236 ms

Loss rate: 12.15%

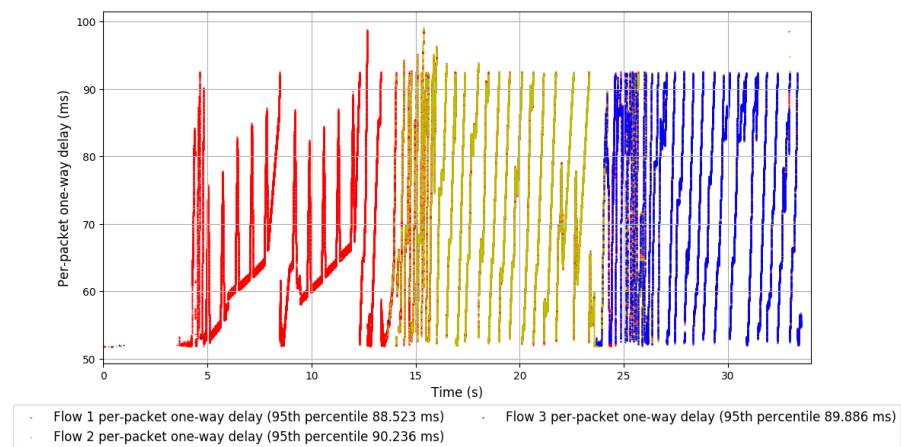
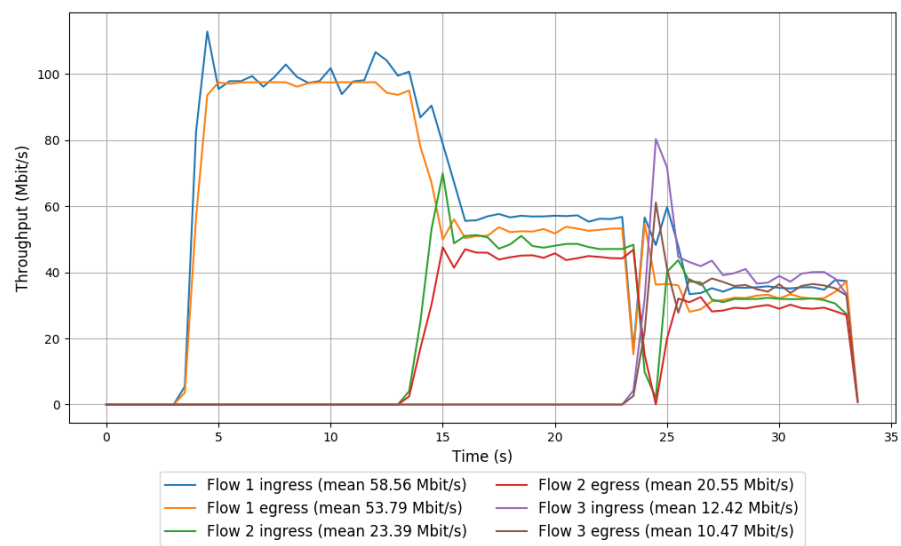
-- Flow 3:

Average throughput: 10.47 Mbit/s

95th percentile per-packet one-way delay: 89.886 ms

Loss rate: 15.74%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 19:13:12 +0000

End at: Tue, 04 Jul 2017 19:13:42 +0000

Local clock offset: 0.81 ms

Remote clock offset: -2.546 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:13:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.52 Mbit/s

95th percentile per-packet one-way delay: 88.631 ms

Loss rate: 9.85%

-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 87.767 ms

Loss rate: 7.68%

-- Flow 2:

Average throughput: 15.76 Mbit/s

95th percentile per-packet one-way delay: 89.660 ms

Loss rate: 12.54%

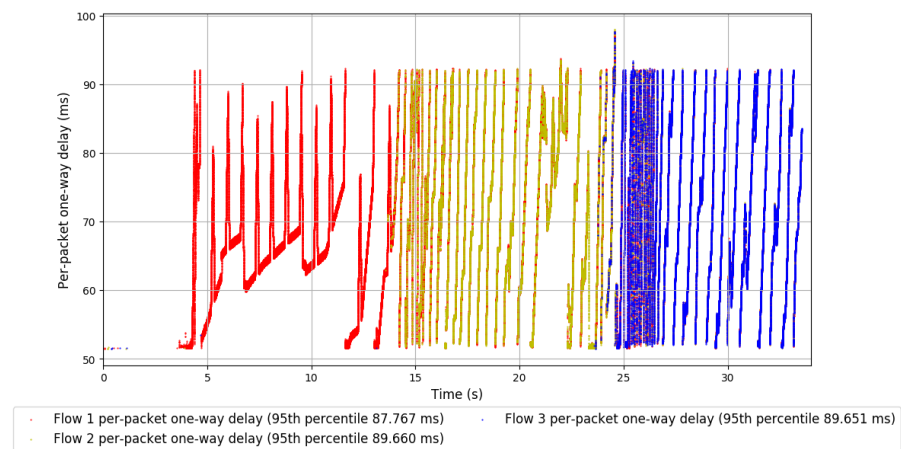
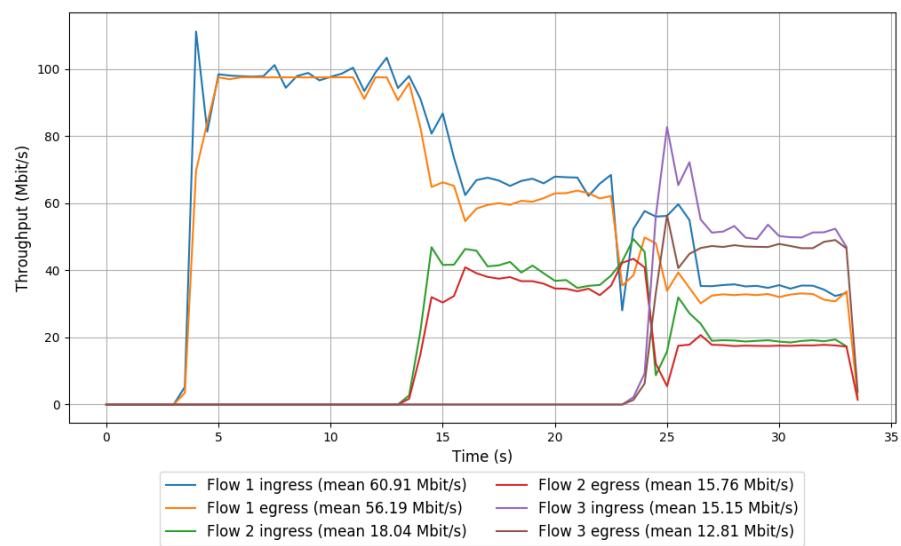
-- Flow 3:

Average throughput: 12.81 Mbit/s

95th percentile per-packet one-way delay: 89.651 ms

Loss rate: 15.46%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 19:33:40 +0000

End at: Tue, 04 Jul 2017 19:34:10 +0000

Local clock offset: 0.774 ms

Remote clock offset: -1.917 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:13:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.43 Mbit/s

95th percentile per-packet one-way delay: 88.854 ms

Loss rate: 9.01%

-- Flow 1:

Average throughput: 51.25 Mbit/s

95th percentile per-packet one-way delay: 87.566 ms

Loss rate: 6.83%

-- Flow 2:

Average throughput: 28.27 Mbit/s

95th percentile per-packet one-way delay: 89.858 ms

Loss rate: 12.41%

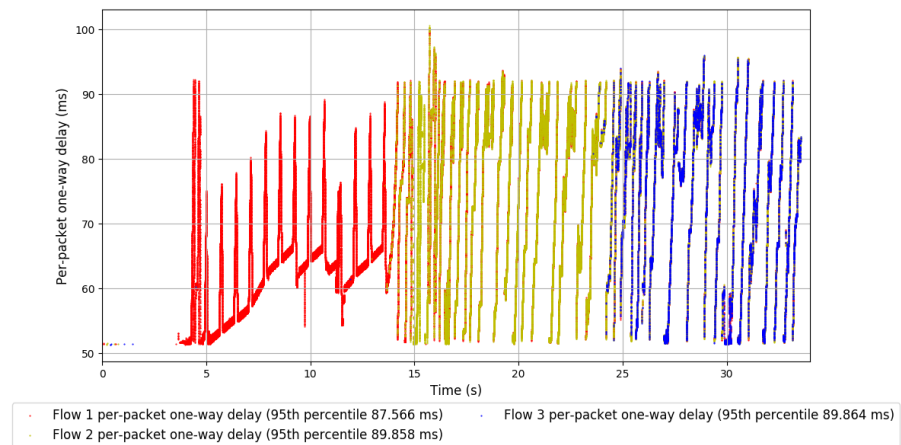
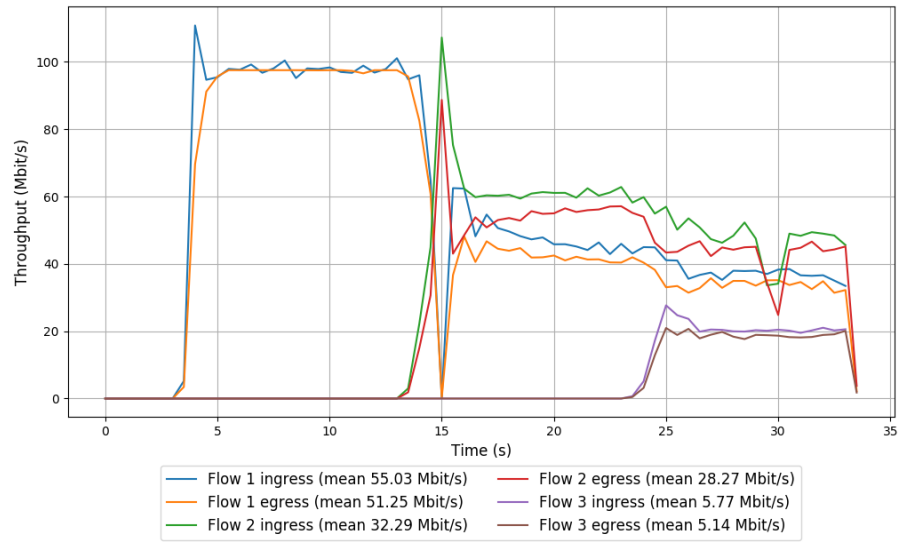
-- Flow 3:

Average throughput: 5.14 Mbit/s

95th percentile per-packet one-way delay: 89.864 ms

Loss rate: 10.91%

### Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 19:54:18 +0000

End at: Tue, 04 Jul 2017 19:54:48 +0000

Local clock offset: 0.787 ms

Remote clock offset: -1.441 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:13:37 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.58 Mbit/s

95th percentile per-packet one-way delay: 87.435 ms

Loss rate: 9.15%

-- Flow 1:

Average throughput: 51.03 Mbit/s

95th percentile per-packet one-way delay: 86.100 ms

Loss rate: 7.16%

-- Flow 2:

Average throughput: 23.58 Mbit/s

95th percentile per-packet one-way delay: 88.257 ms

Loss rate: 11.50%

-- Flow 3:

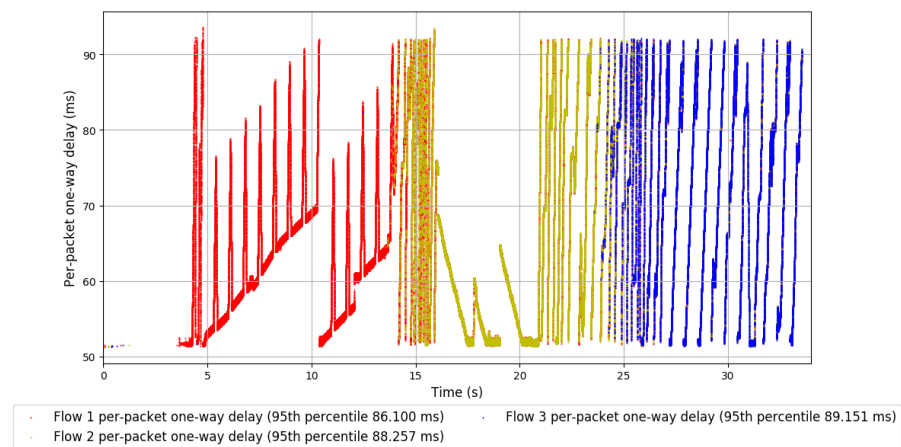
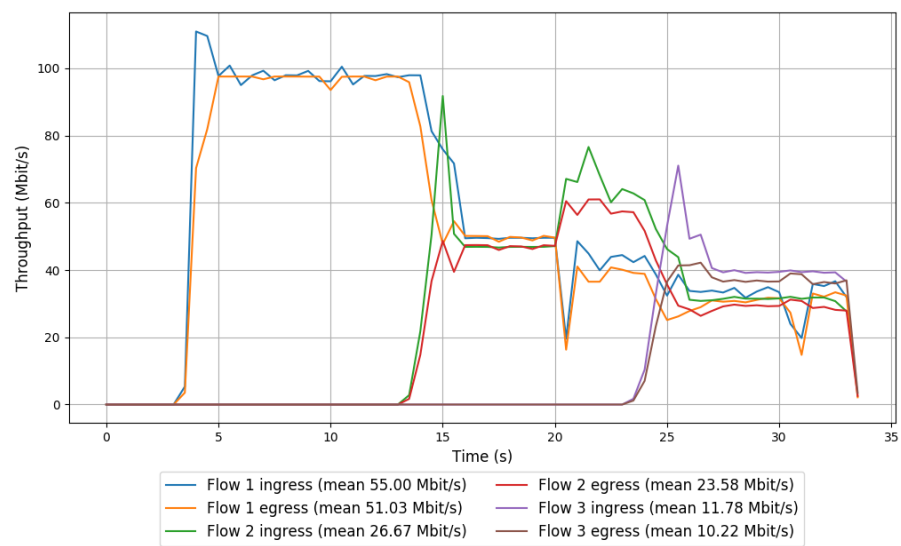
Average throughput: 10.22 Mbit/s

95th percentile per-packet one-way delay: 89.151 ms

Loss rate: 13.17%



Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 20:14:52 +0000

End at: Tue, 04 Jul 2017 20:15:22 +0000

Local clock offset: 0.769 ms

Remote clock offset: -2.067 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:13:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.62 Mbit/s

95th percentile per-packet one-way delay: 89.852 ms

Loss rate: 9.62%

-- Flow 1:

Average throughput: 48.49 Mbit/s

95th percentile per-packet one-way delay: 88.110 ms

Loss rate: 6.56%

-- Flow 2:

Average throughput: 25.77 Mbit/s

95th percentile per-packet one-way delay: 90.830 ms

Loss rate: 11.64%

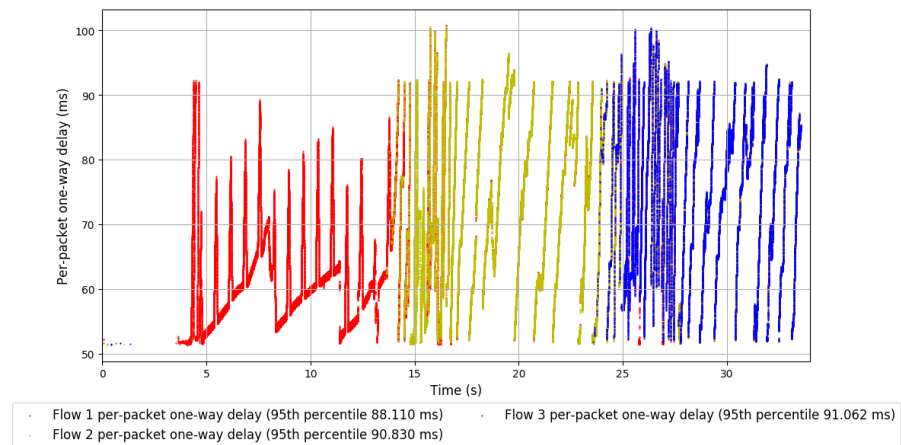
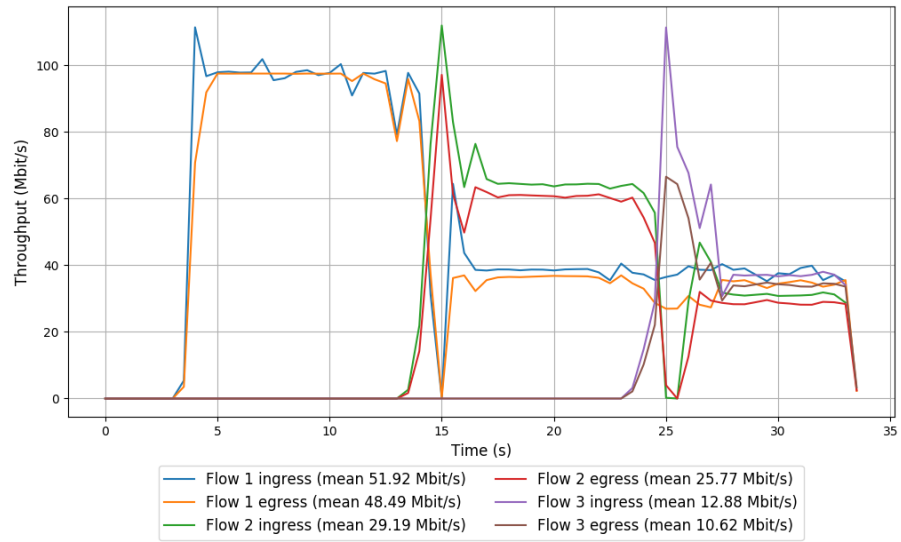
-- Flow 3:

Average throughput: 10.62 Mbit/s

95th percentile per-packet one-way delay: 91.062 ms

Loss rate: 17.49%

# Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 20:35:15 +0000

End at: Tue, 04 Jul 2017 20:35:45 +0000

Local clock offset: 0.736 ms

Remote clock offset: -2.611 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:13:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.60 Mbit/s

95th percentile per-packet one-way delay: 88.876 ms

Loss rate: 9.07%

-- Flow 1:

Average throughput: 56.55 Mbit/s

95th percentile per-packet one-way delay: 88.476 ms

Loss rate: 7.59%

-- Flow 2:

Average throughput: 18.02 Mbit/s

95th percentile per-packet one-way delay: 89.496 ms

Loss rate: 11.05%

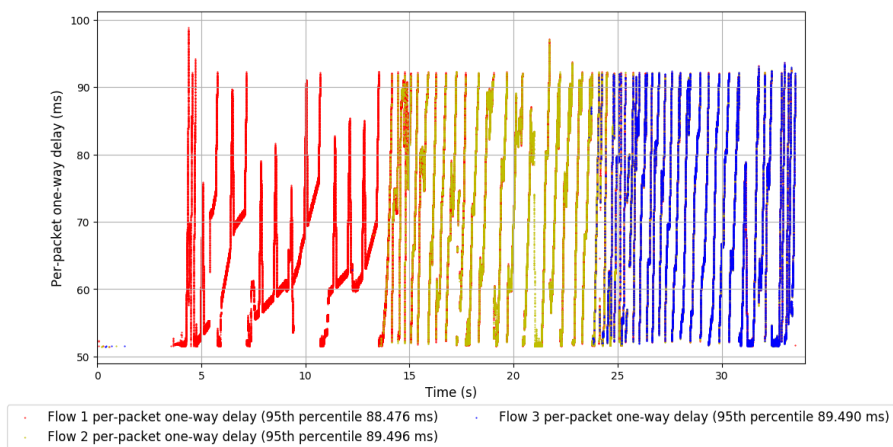
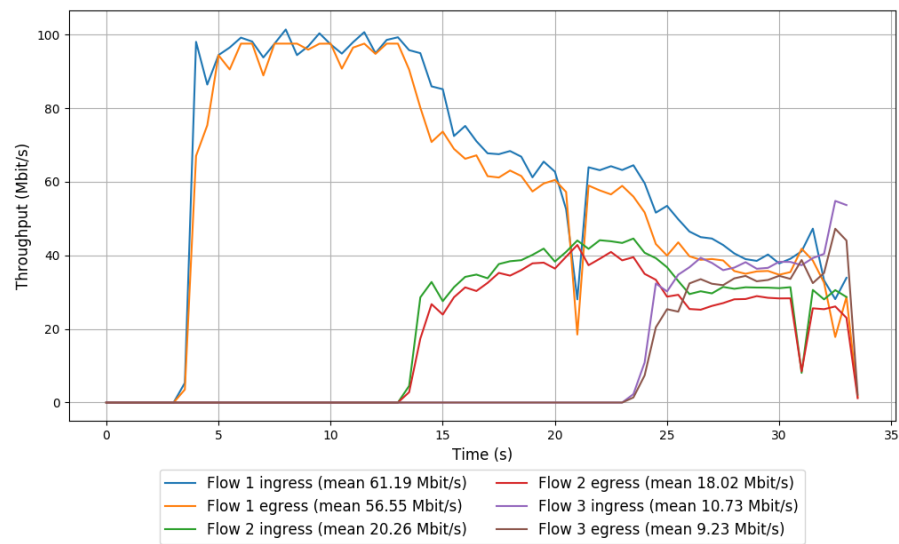
-- Flow 3:

Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 89.490 ms

Loss rate: 13.89%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 20:55:44 +0000

End at: Tue, 04 Jul 2017 20:56:14 +0000

Local clock offset: 0.745 ms

Remote clock offset: -4.685 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:14:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.50 Mbit/s

95th percentile per-packet one-way delay: 88.484 ms

Loss rate: 7.35%

-- Flow 1:

Average throughput: 52.63 Mbit/s

95th percentile per-packet one-way delay: 88.148 ms

Loss rate: 6.15%

-- Flow 2:

Average throughput: 19.93 Mbit/s

95th percentile per-packet one-way delay: 88.337 ms

Loss rate: 8.50%

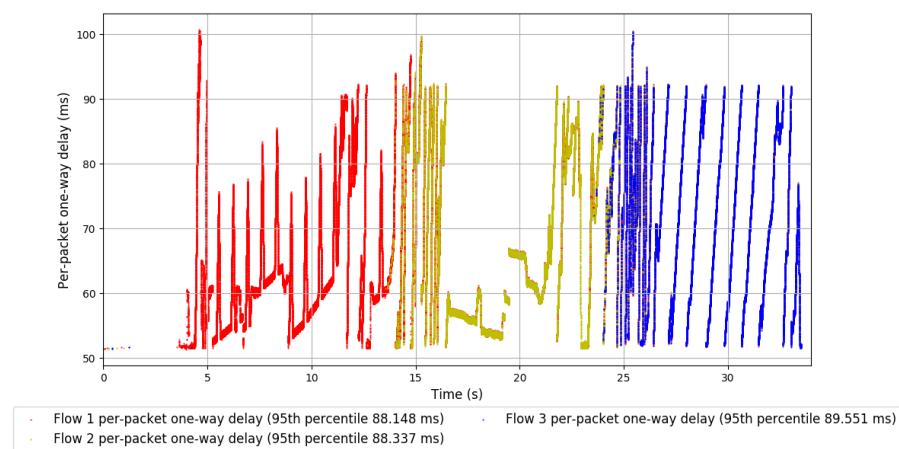
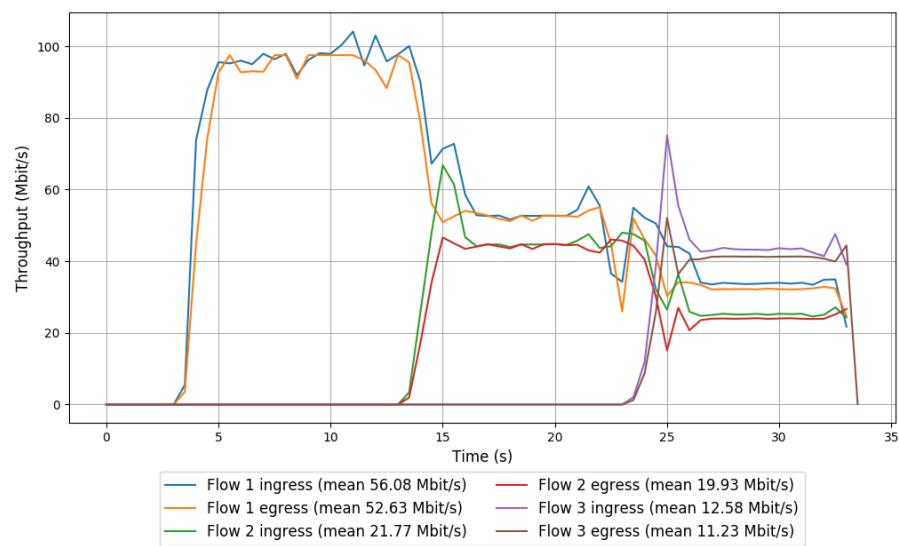
-- Flow 3:

Average throughput: 11.23 Mbit/s

95th percentile per-packet one-way delay: 89.551 ms

Loss rate: 10.77%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 21:16:14 +0000

End at: Tue, 04 Jul 2017 21:16:44 +0000

Local clock offset: 0.464 ms

Remote clock offset: -2.156 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:14:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.69 Mbit/s

95th percentile per-packet one-way delay: 88.626 ms

Loss rate: 7.74%

-- Flow 1:

Average throughput: 60.40 Mbit/s

95th percentile per-packet one-way delay: 87.639 ms

Loss rate: 6.04%

-- Flow 2:

Average throughput: 14.94 Mbit/s

95th percentile per-packet one-way delay: 89.730 ms

Loss rate: 10.46%

-- Flow 3:

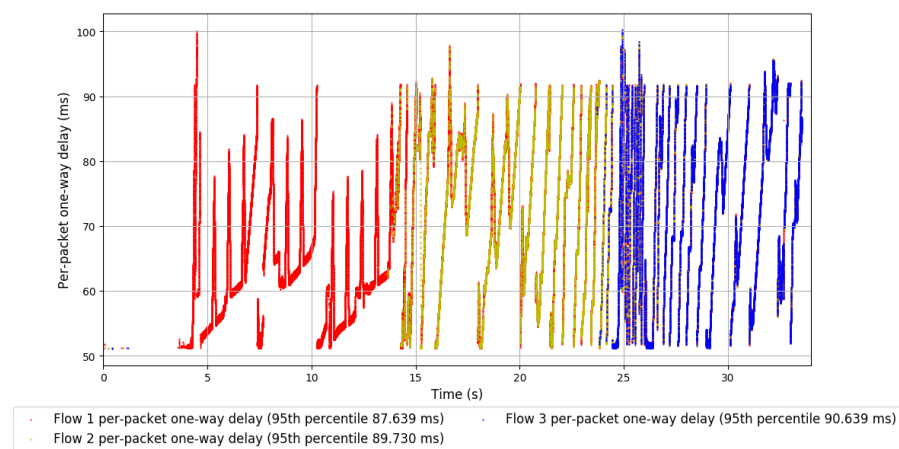
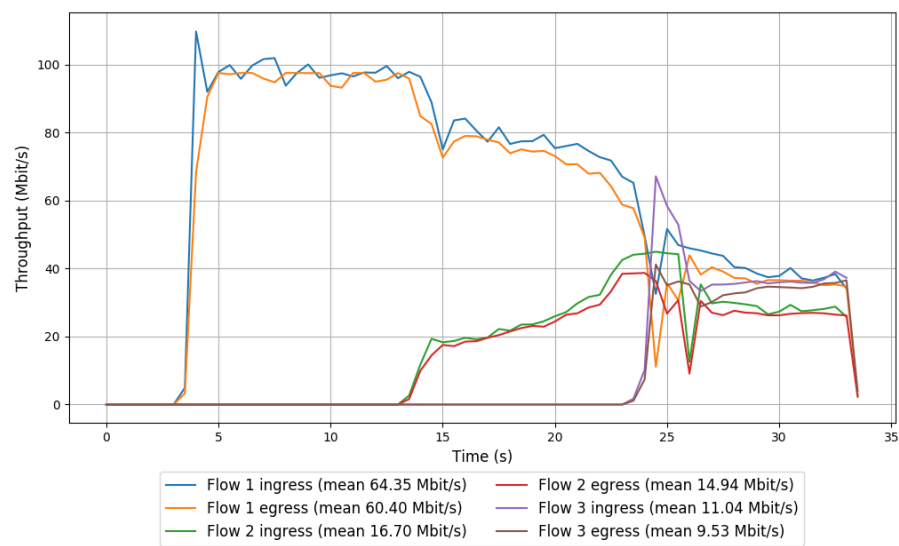
Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 90.639 ms

Loss rate: 13.58%



Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 21:36:40 +0000

End at: Tue, 04 Jul 2017 21:37:10 +0000

Local clock offset: 0.165 ms

Remote clock offset: -4.605 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:14:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.43 Mbit/s

95th percentile per-packet one-way delay: 87.516 ms

Loss rate: 8.50%

-- Flow 1:

Average throughput: 55.50 Mbit/s

95th percentile per-packet one-way delay: 86.071 ms

Loss rate: 6.49%

-- Flow 2:

Average throughput: 17.41 Mbit/s

95th percentile per-packet one-way delay: 88.892 ms

Loss rate: 10.34%

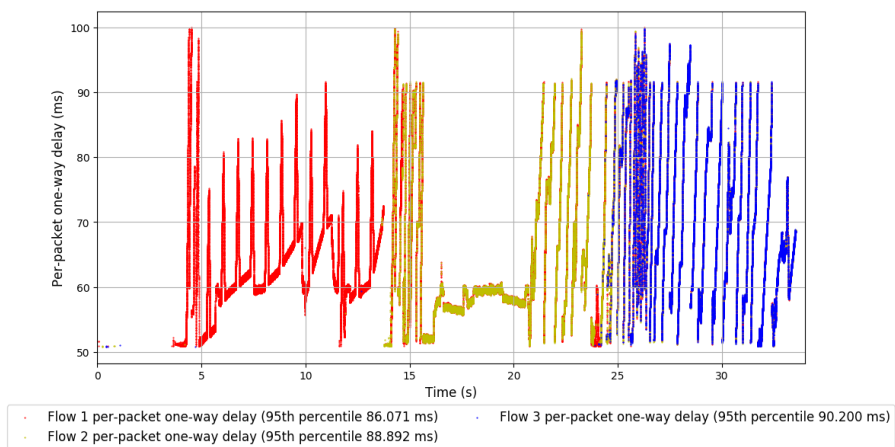
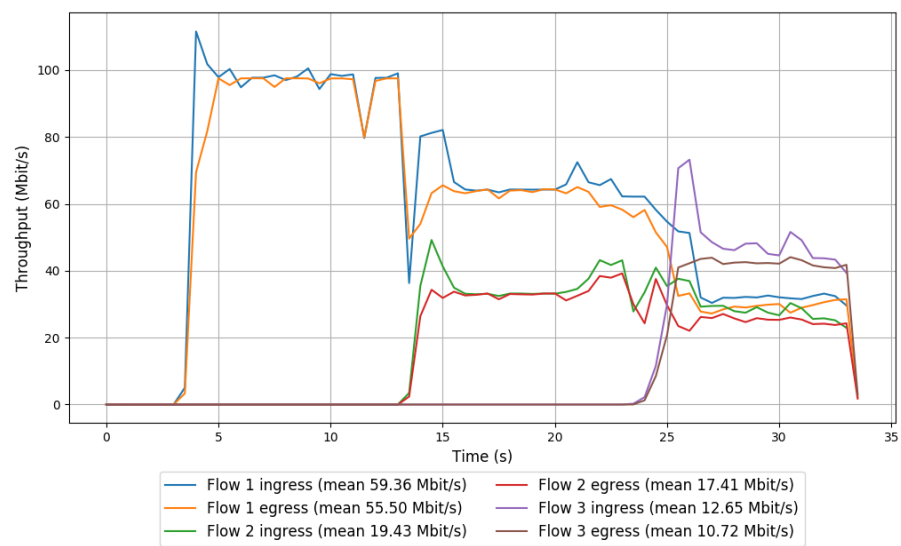
-- Flow 3:

Average throughput: 10.72 Mbit/s

95th percentile per-packet one-way delay: 90.200 ms

Loss rate: 15.19%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 21:57:04 +0000

End at: Tue, 04 Jul 2017 21:57:34 +0000

Local clock offset: 0.223 ms

Remote clock offset: -4.306 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:14:17 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.97 Mbit/s

95th percentile per-packet one-way delay: 85.437 ms

Loss rate: 6.94%

-- Flow 1:

Average throughput: 54.35 Mbit/s

95th percentile per-packet one-way delay: 84.527 ms

Loss rate: 6.08%

-- Flow 2:

Average throughput: 16.93 Mbit/s

95th percentile per-packet one-way delay: 85.311 ms

Loss rate: 6.88%

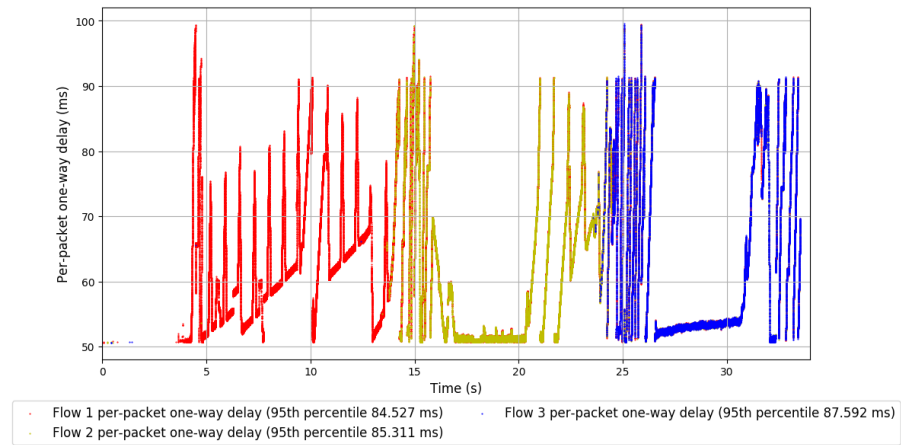
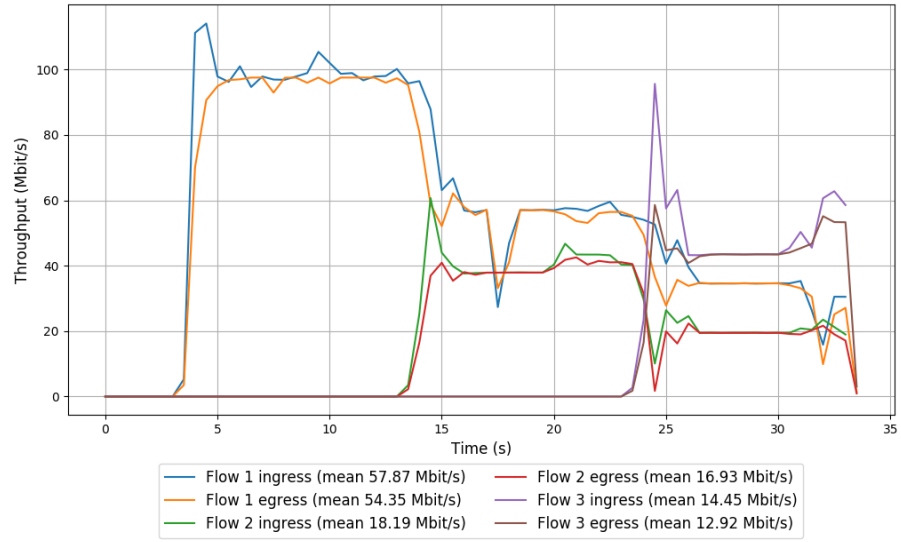
-- Flow 3:

Average throughput: 12.92 Mbit/s

95th percentile per-packet one-way delay: 87.592 ms

Loss rate: 10.55%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 18:56:37 +0000

End at: Tue, 04 Jul 2017 18:57:07 +0000

Local clock offset: 0.821 ms

Remote clock offset: -1.977 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:14:29 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 66.564 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 72.46 Mbit/s

95th percentile per-packet one-way delay: 66.486 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 66.244 ms

Loss rate: 0.16%

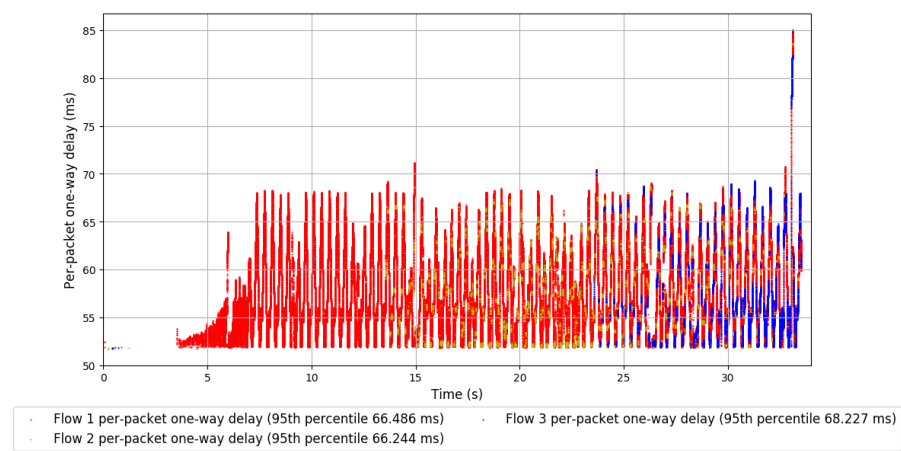
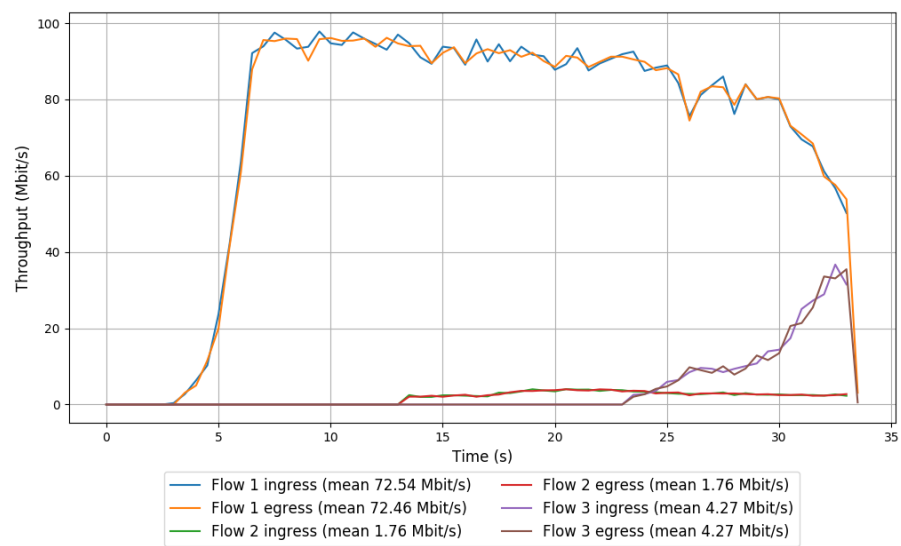
-- Flow 3:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 68.227 ms

Loss rate: 0.03%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:17:14 +0000

End at: Tue, 04 Jul 2017 19:17:44 +0000

Local clock offset: 0.804 ms

Remote clock offset: -2.069 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:14:29 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.98 Mbit/s

95th percentile per-packet one-way delay: 66.631 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 75.03 Mbit/s

95th percentile per-packet one-way delay: 66.618 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 67.098 ms

Loss rate: 1.36%

-- Flow 3:

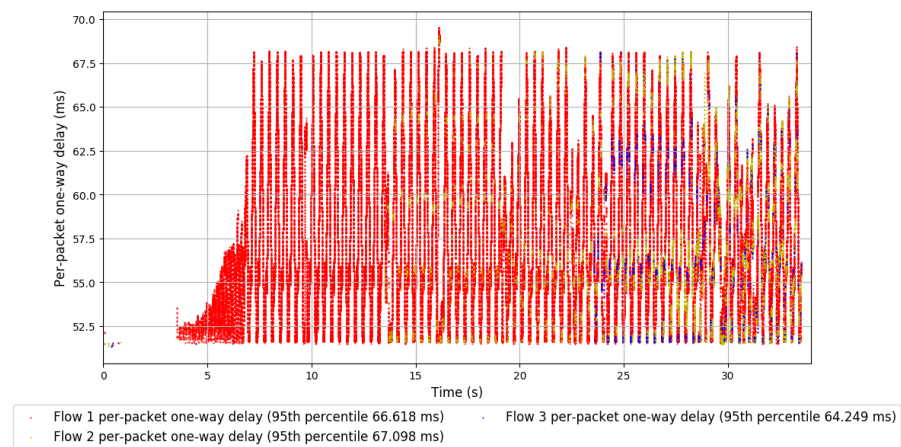
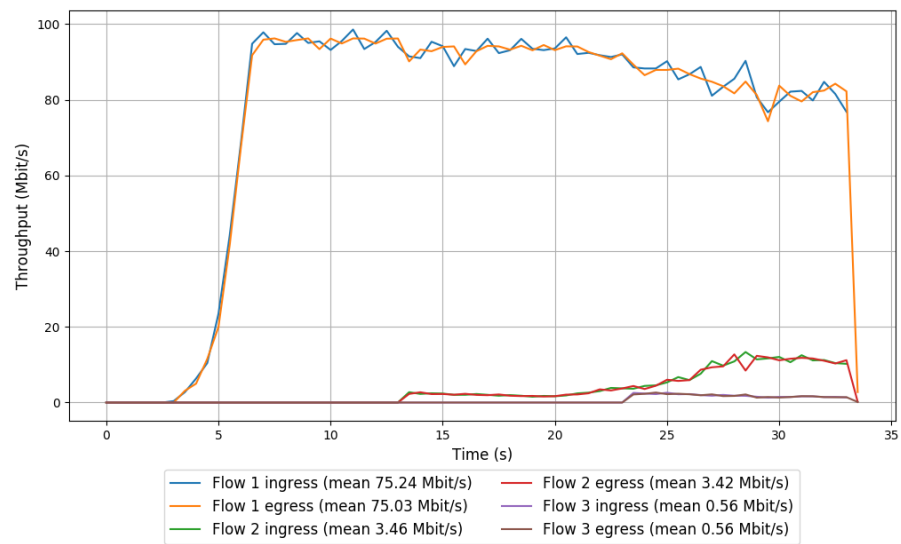
Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 64.249 ms

Loss rate: 0.26%



Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:37:40 +0000

End at: Tue, 04 Jul 2017 19:38:10 +0000

Local clock offset: 0.896 ms

Remote clock offset: -1.865 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:14:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.79 Mbit/s

95th percentile per-packet one-way delay: 66.768 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 77.08 Mbit/s

95th percentile per-packet one-way delay: 66.780 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 65.988 ms

Loss rate: 0.00%

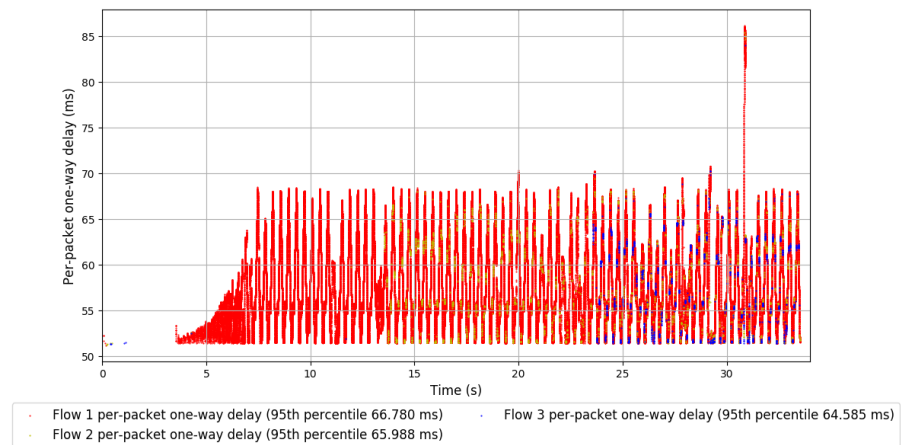
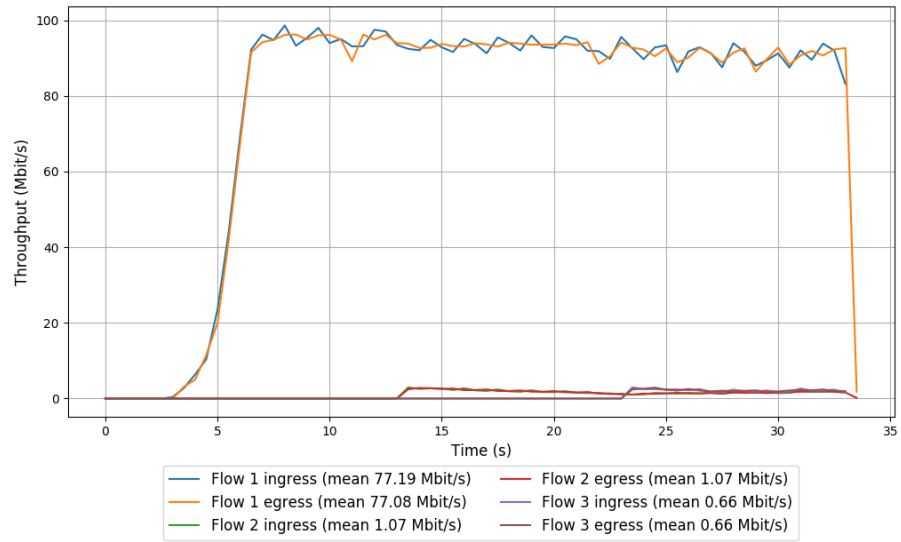
-- Flow 3:

Average throughput: 0.66 Mbit/s

95th percentile per-packet one-way delay: 64.585 ms

Loss rate: 0.00%

### Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:58:19 +0000

End at: Tue, 04 Jul 2017 19:58:49 +0000

Local clock offset: 0.898 ms

Remote clock offset: -2.266 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:14:42 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.15 Mbit/s

95th percentile per-packet one-way delay: 66.755 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 77.80 Mbit/s

95th percentile per-packet one-way delay: 66.759 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 0.88 Mbit/s

95th percentile per-packet one-way delay: 66.757 ms

Loss rate: 0.12%

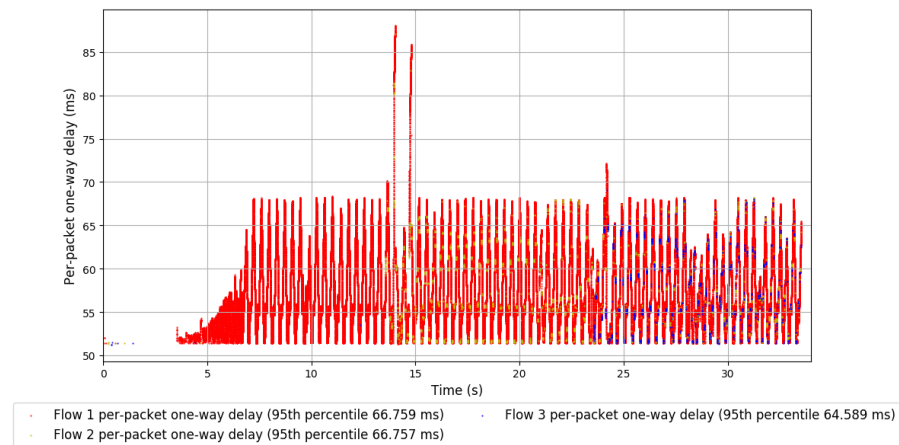
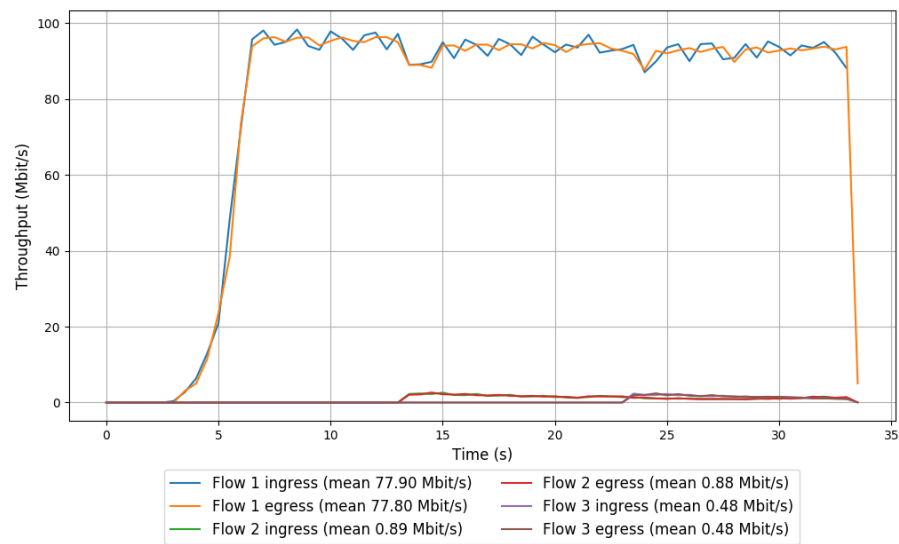
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 64.589 ms

Loss rate: 0.07%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 20:18:53 +0000

End at: Tue, 04 Jul 2017 20:19:23 +0000

Local clock offset: 0.765 ms

Remote clock offset: -4.129 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:14:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.50 Mbit/s

95th percentile per-packet one-way delay: 66.633 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 76.22 Mbit/s

95th percentile per-packet one-way delay: 66.647 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 66.111 ms

Loss rate: 0.00%

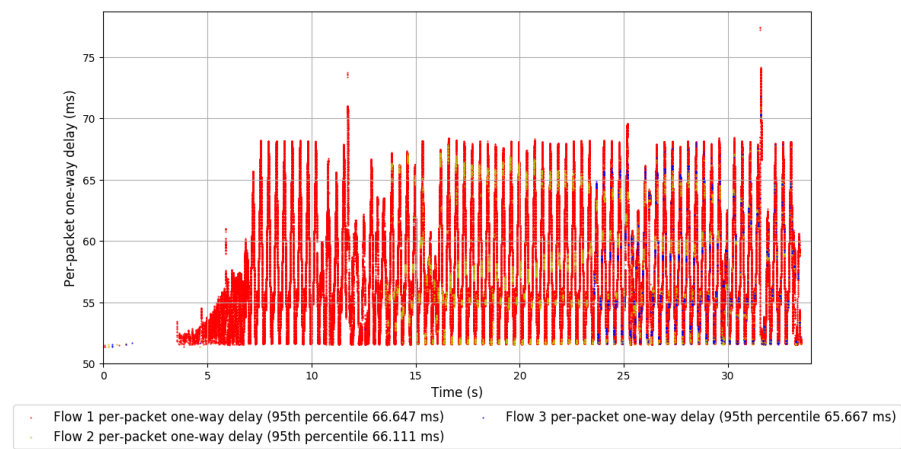
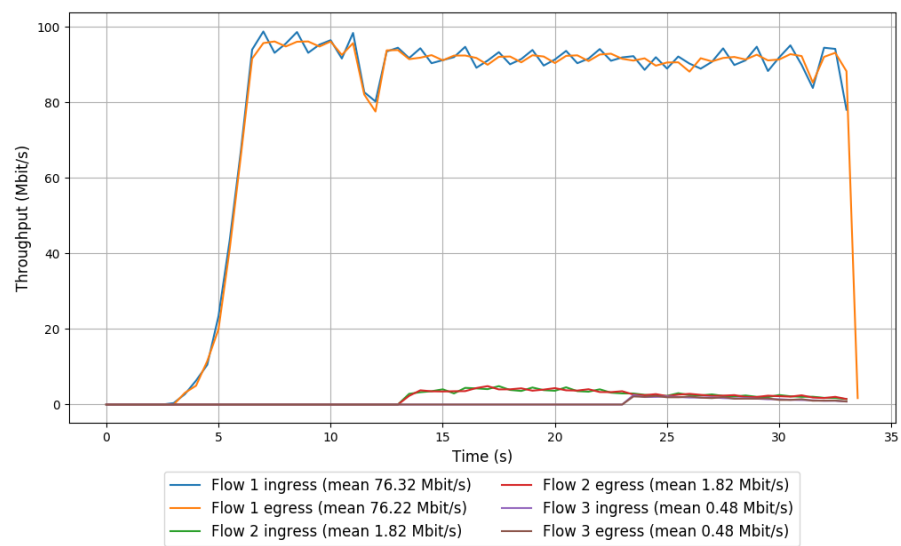
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 65.667 ms

Loss rate: 0.00%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 20:39:17 +0000

End at: Tue, 04 Jul 2017 20:39:47 +0000

Local clock offset: 0.814 ms

Remote clock offset: -2.256 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:14:54 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.12 Mbit/s

95th percentile per-packet one-way delay: 66.644 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 77.08 Mbit/s

95th percentile per-packet one-way delay: 66.646 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 66.441 ms

Loss rate: 0.19%

-- Flow 3:

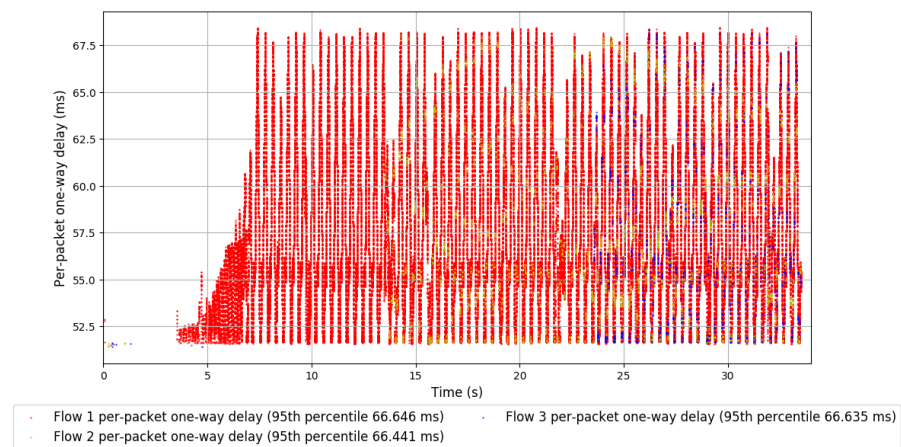
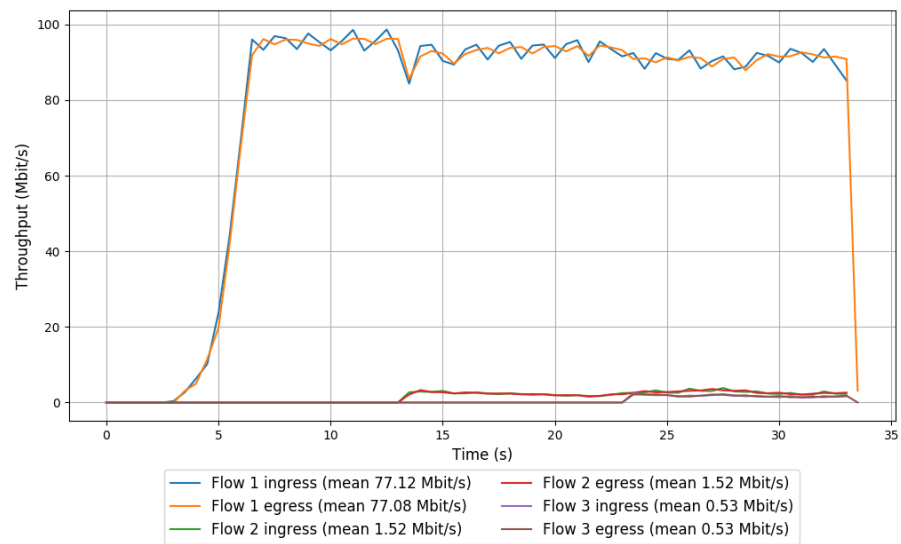
Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 66.635 ms

Loss rate: 0.00%



Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 20:59:44 +0000

End at: Tue, 04 Jul 2017 21:00:14 +0000

Local clock offset: 0.613 ms

Remote clock offset: -1.804 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:15:06 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 74.46 Mbit/s

95th percentile per-packet one-way delay: 65.474 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 72.37 Mbit/s

95th percentile per-packet one-way delay: 65.478 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 65.105 ms

Loss rate: 1.25%

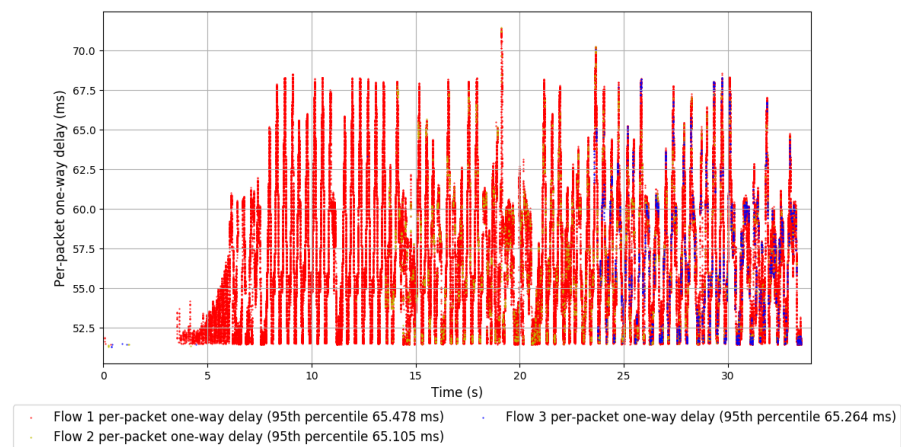
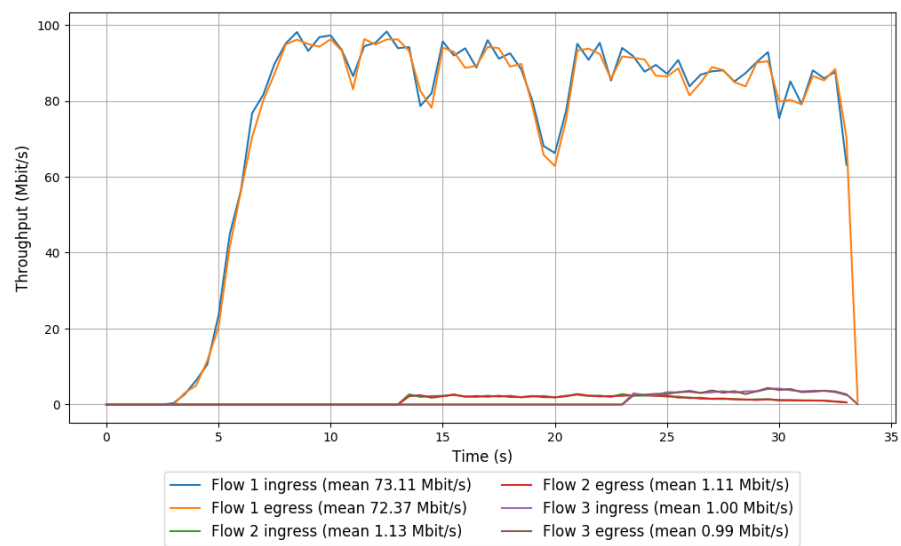
-- Flow 3:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 65.264 ms

Loss rate: 1.05%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 21:20:15 +0000

End at: Tue, 04 Jul 2017 21:20:45 +0000

Local clock offset: 0.333 ms

Remote clock offset: -4.182 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:15:06 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.76 Mbit/s

95th percentile per-packet one-way delay: 66.180 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 74.17 Mbit/s

95th percentile per-packet one-way delay: 66.179 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 65.249 ms

Loss rate: 0.10%

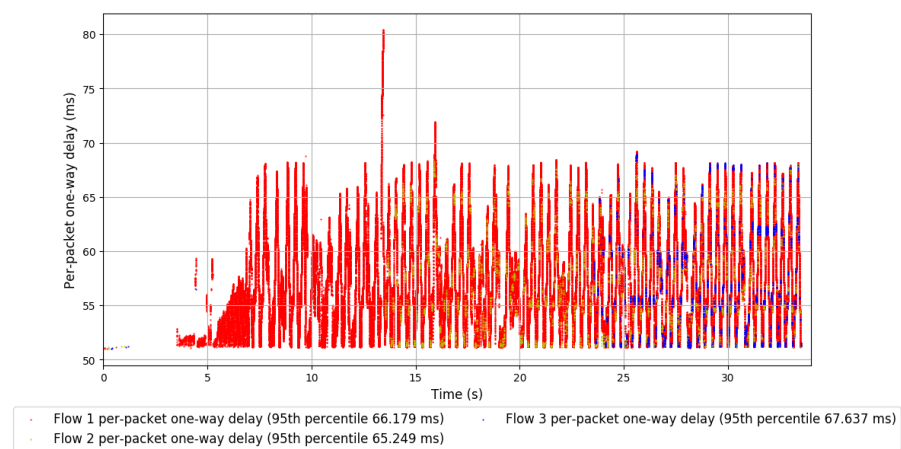
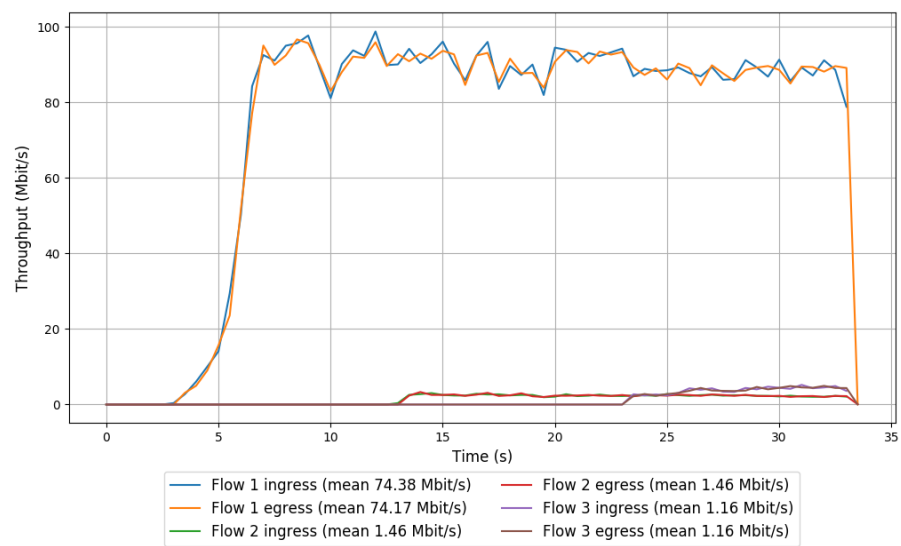
-- Flow 3:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 67.637 ms

Loss rate: 0.37%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 21:40:42 +0000

End at: Tue, 04 Jul 2017 21:41:12 +0000

Local clock offset: 0.258 ms

Remote clock offset: -2.073 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:15:17 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.57 Mbit/s

95th percentile per-packet one-way delay: 65.265 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 66.70 Mbit/s

95th percentile per-packet one-way delay: 65.297 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 10.01 Mbit/s

95th percentile per-packet one-way delay: 64.528 ms

Loss rate: 0.59%

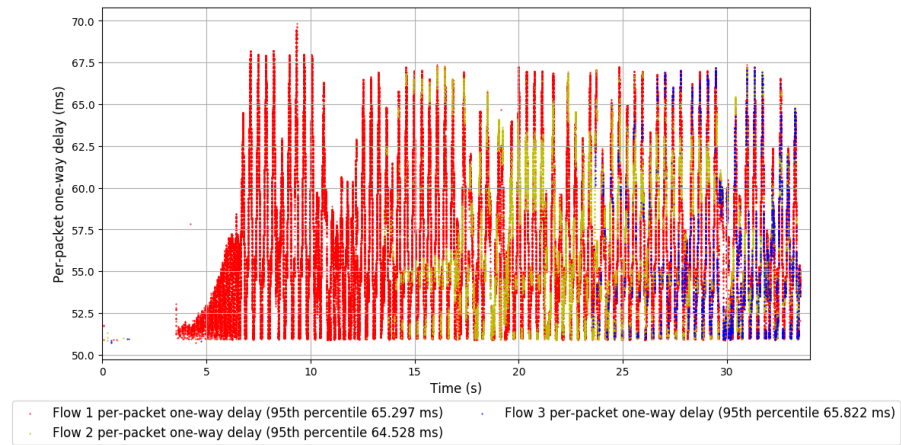
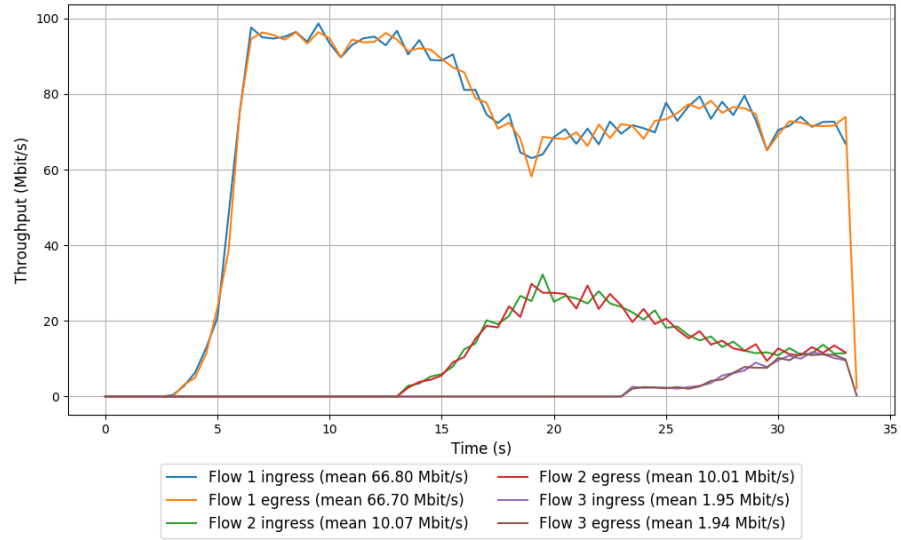
-- Flow 3:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 65.822 ms

Loss rate: 0.35%

# Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:01:05 +0000

End at: Tue, 04 Jul 2017 22:01:35 +0000

Local clock offset: 0.113 ms

Remote clock offset: -1.847 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:15:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.19 Mbit/s

95th percentile per-packet one-way delay: 65.254 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 75.29 Mbit/s

95th percentile per-packet one-way delay: 65.248 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 65.558 ms

Loss rate: 0.10%

-- Flow 3:

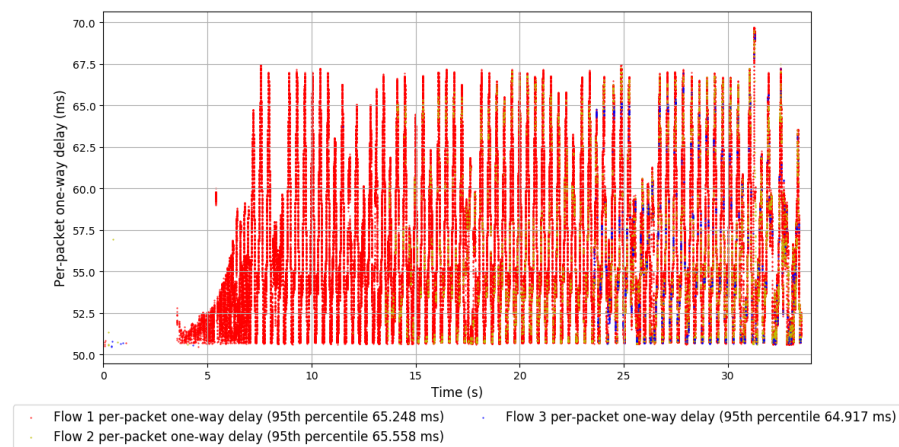
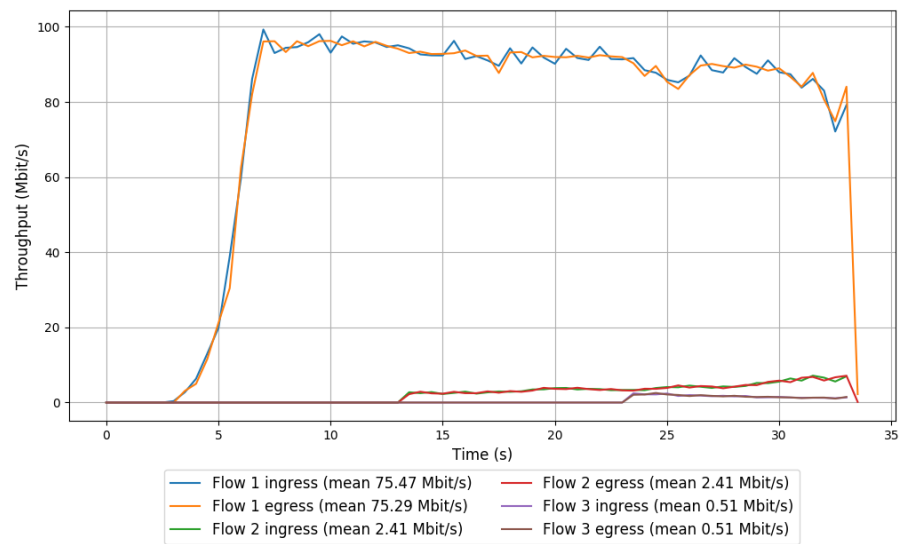
Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 64.917 ms

Loss rate: 0.29%



Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Tue, 04 Jul 2017 18:37:28 +0000

End at: Tue, 04 Jul 2017 18:37:58 +0000

Local clock offset: 0.828 ms

Remote clock offset: -2.952 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:15:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 71.09 Mbit/s

95th percentile per-packet one-way delay: 59.442 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 48.63 Mbit/s

95th percentile per-packet one-way delay: 58.991 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 18.08 Mbit/s

95th percentile per-packet one-way delay: 59.765 ms

Loss rate: 0.31%

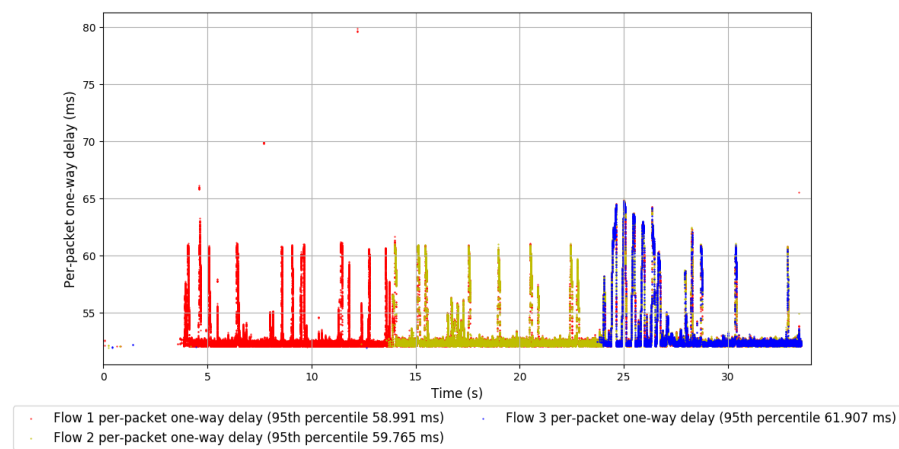
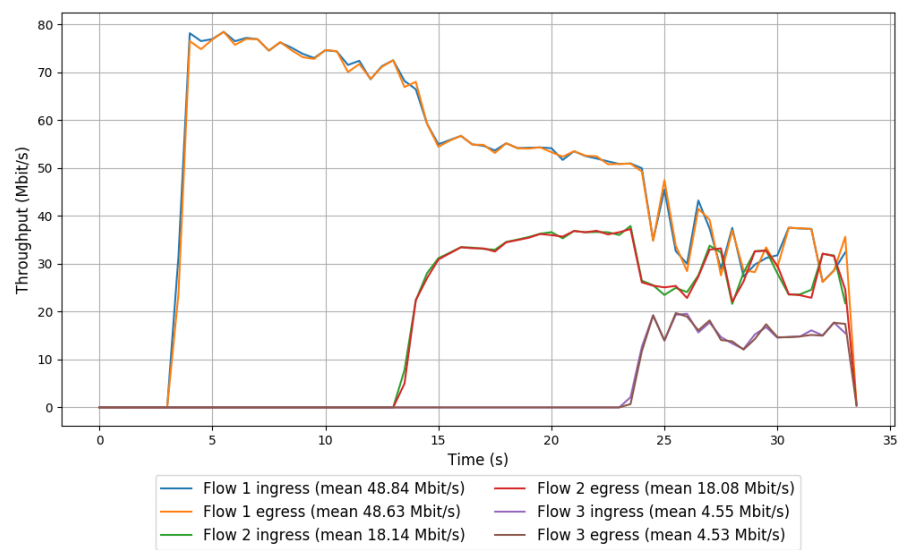
-- Flow 3:

Average throughput: 4.53 Mbit/s

95th percentile per-packet one-way delay: 61.907 ms

Loss rate: 0.38%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

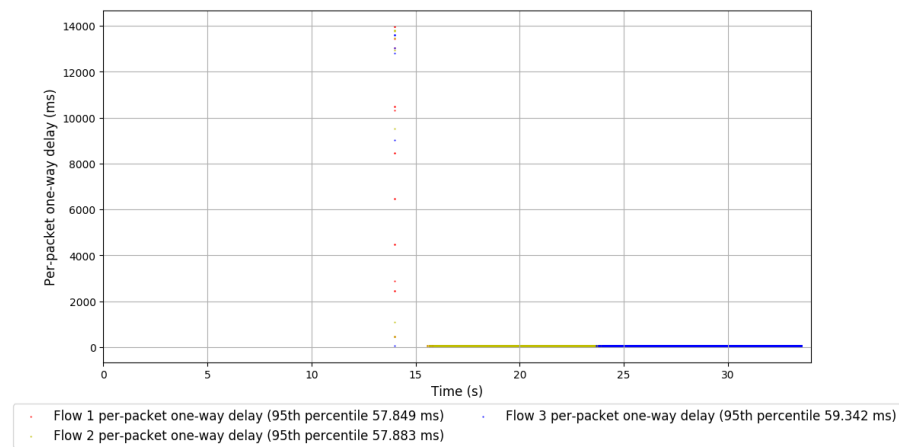
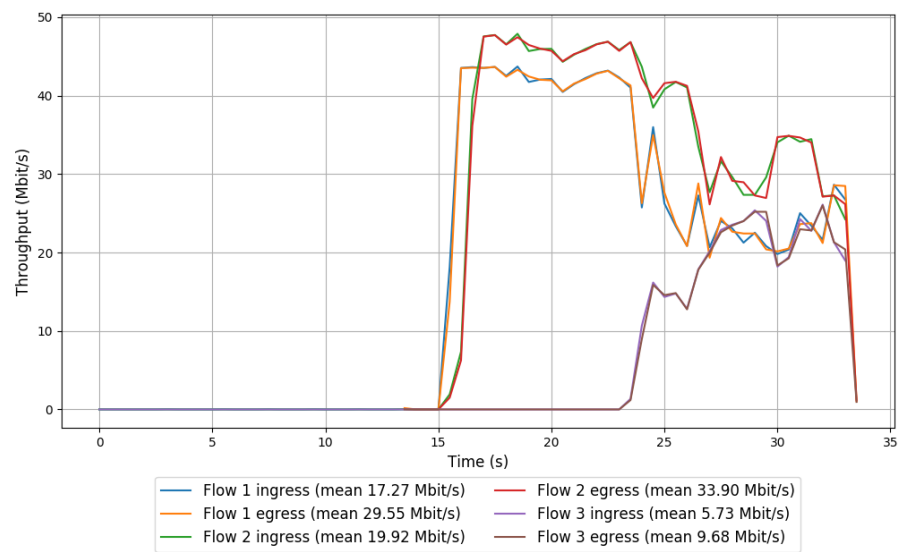
Start at: Tue, 04 Jul 2017 18:58:02 +0000

End at: Tue, 04 Jul 2017 18:58:32 +0000

Local clock offset: 0.928 ms

Remote clock offset: -2.322 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Tue, 04 Jul 2017 19:18:39 +0000

End at: Tue, 04 Jul 2017 19:19:09 +0000

Local clock offset: 0.903 ms

Remote clock offset: -4.433 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:15:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 68.35 Mbit/s

95th percentile per-packet one-way delay: 52.755 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 52.484 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 21.94 Mbit/s

95th percentile per-packet one-way delay: 53.131 ms

Loss rate: 0.00%

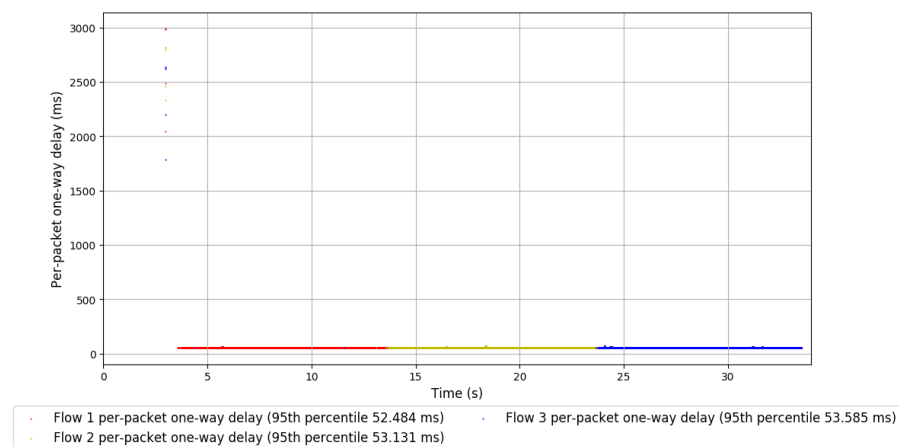
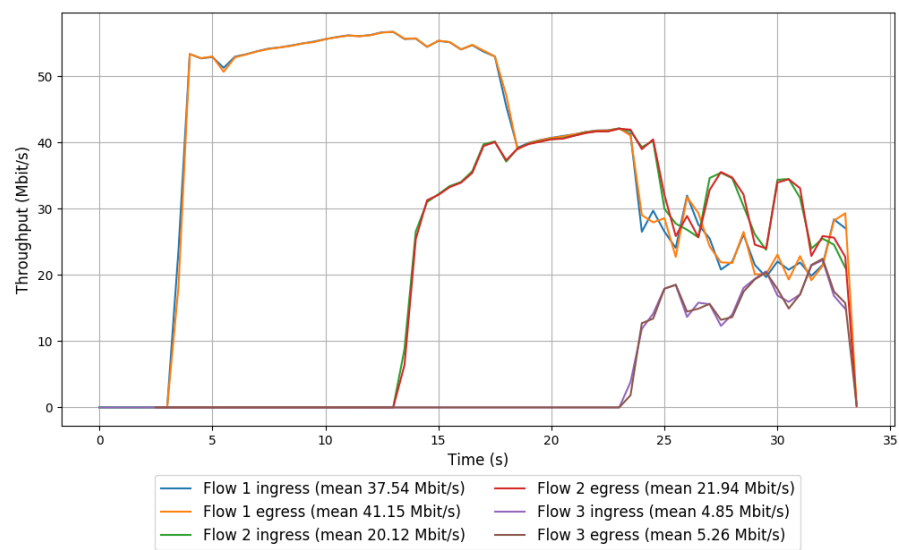
-- Flow 3:

Average throughput: 5.26 Mbit/s

95th percentile per-packet one-way delay: 53.585 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Tue, 04 Jul 2017 19:39:06 +0000

End at: Tue, 04 Jul 2017 19:39:36 +0000

Local clock offset: 0.805 ms

Remote clock offset: -1.534 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:15:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.44 Mbit/s

95th percentile per-packet one-way delay: 52.819 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.71 Mbit/s

95th percentile per-packet one-way delay: 52.437 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.82 Mbit/s

95th percentile per-packet one-way delay: 53.883 ms

Loss rate: 0.00%

-- Flow 3:

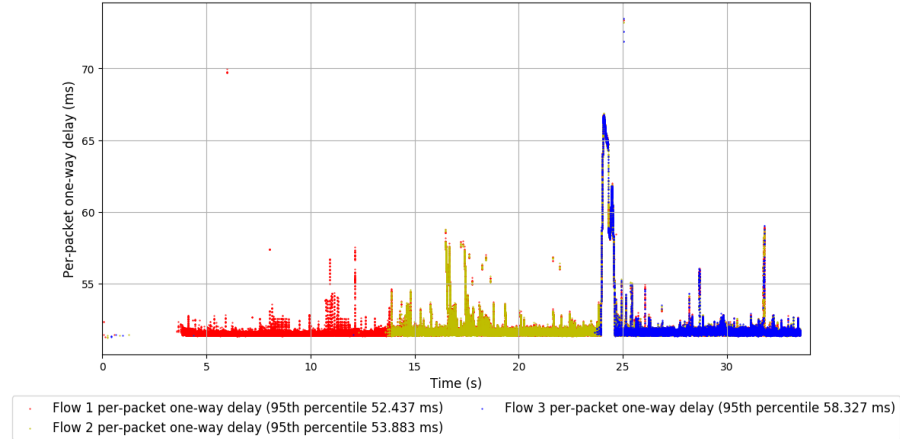
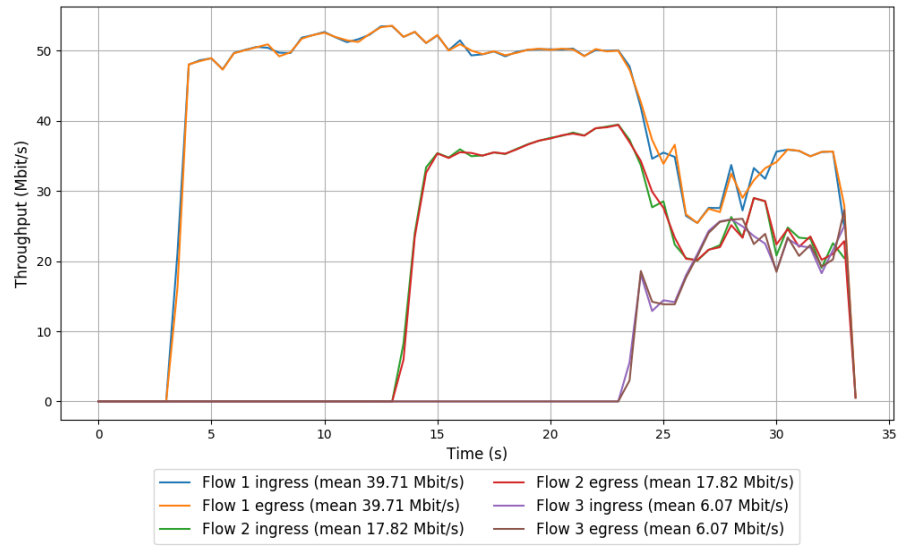
Average throughput: 6.07 Mbit/s

95th percentile per-packet one-way delay: 58.327 ms

Loss rate: 0.00%



# Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Tue, 04 Jul 2017 19:59:44 +0000

End at: Tue, 04 Jul 2017 20:00:14 +0000

Local clock offset: 0.819 ms

Remote clock offset: -1.915 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:16:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 58.61 Mbit/s

95th percentile per-packet one-way delay: 54.217 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 34.19 Mbit/s

95th percentile per-packet one-way delay: 52.942 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 18.84 Mbit/s

95th percentile per-packet one-way delay: 55.200 ms

Loss rate: 0.44%

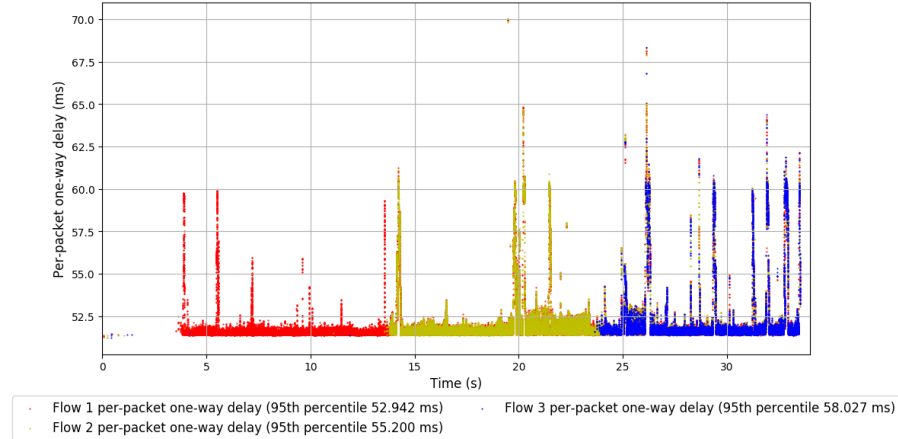
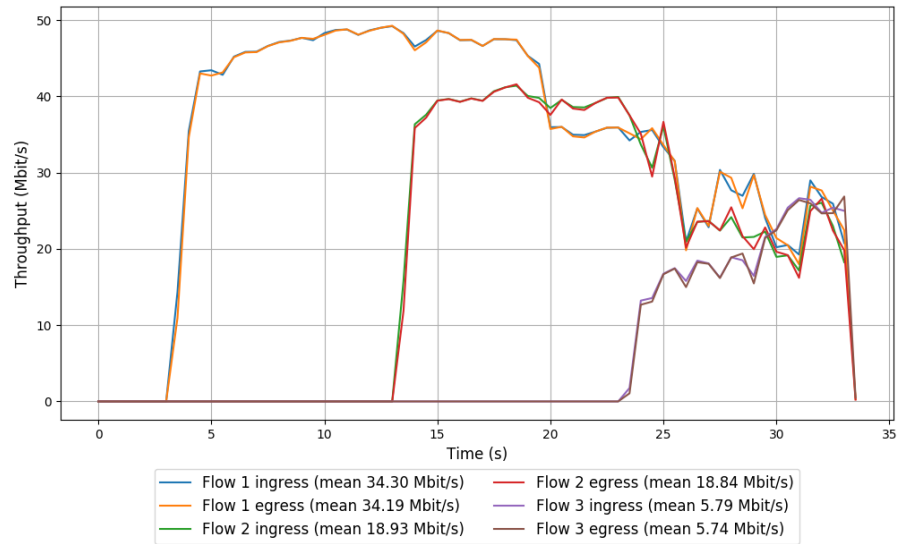
-- Flow 3:

Average throughput: 5.74 Mbit/s

95th percentile per-packet one-way delay: 58.027 ms

Loss rate: 0.74%

## Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

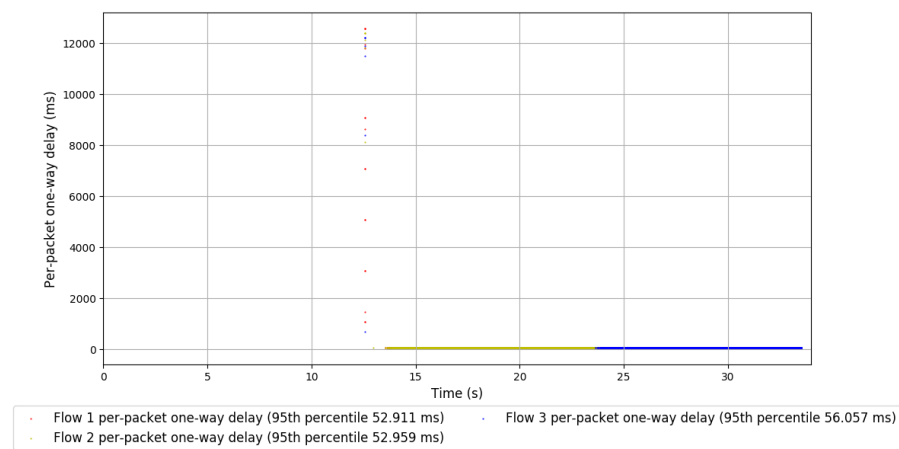
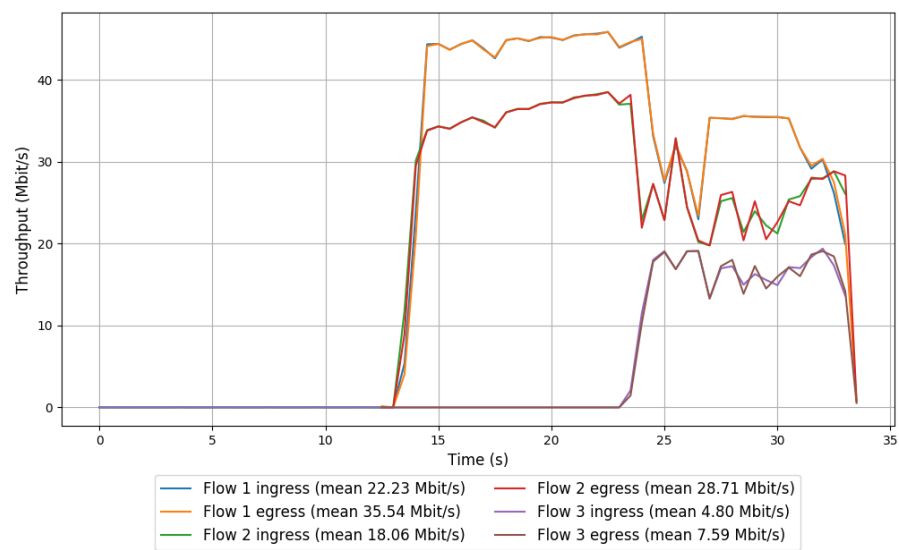
Start at: Tue, 04 Jul 2017 20:20:17 +0000

End at: Tue, 04 Jul 2017 20:20:47 +0000

Local clock offset: 0.863 ms

Remote clock offset: -2.077 ms

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Tue, 04 Jul 2017 20:40:42 +0000

End at: Tue, 04 Jul 2017 20:41:12 +0000

Local clock offset: 0.801 ms

Remote clock offset: -1.824 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:16:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 58.42 Mbit/s

95th percentile per-packet one-way delay: 52.477 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 35.55 Mbit/s

95th percentile per-packet one-way delay: 52.441 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 18.03 Mbit/s

95th percentile per-packet one-way delay: 52.509 ms

Loss rate: 0.03%

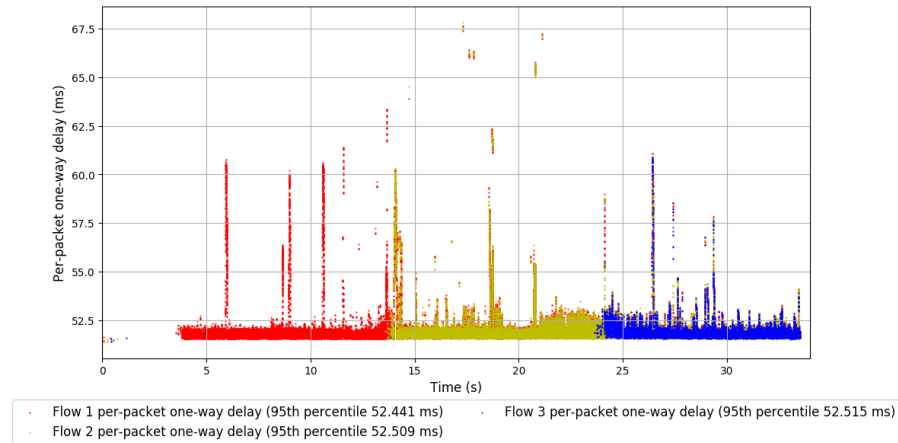
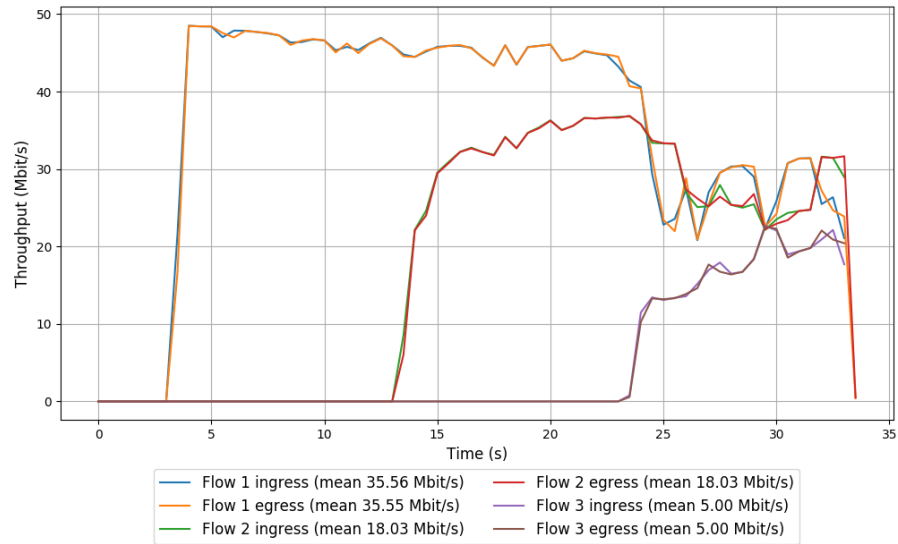
-- Flow 3:

Average throughput: 5.00 Mbit/s

95th percentile per-packet one-way delay: 52.515 ms

Loss rate: 0.03%

## Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Tue, 04 Jul 2017 21:01:09 +0000

End at: Tue, 04 Jul 2017 21:01:39 +0000

Local clock offset: 0.682 ms

Remote clock offset: -2.171 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:16:21 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 54.67 Mbit/s

95th percentile per-packet one-way delay: 58.912 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 27.92 Mbit/s

95th percentile per-packet one-way delay: 58.585 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 18.20 Mbit/s

95th percentile per-packet one-way delay: 59.386 ms

Loss rate: 0.71%

-- Flow 3:

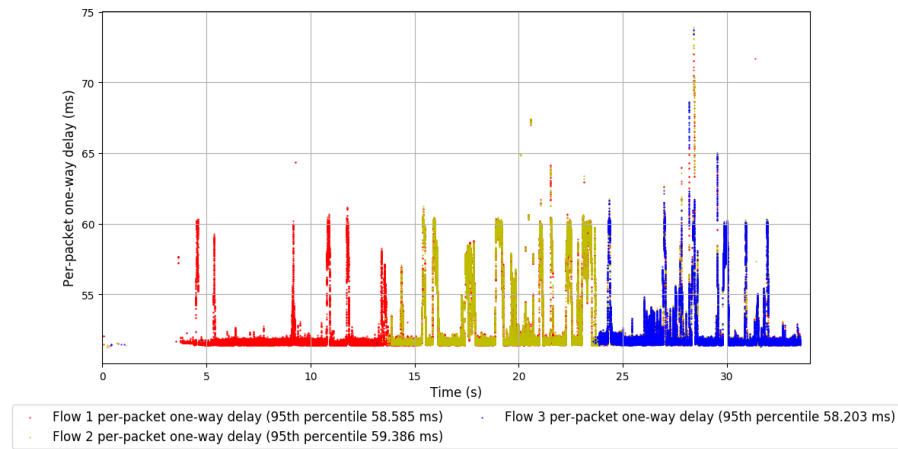
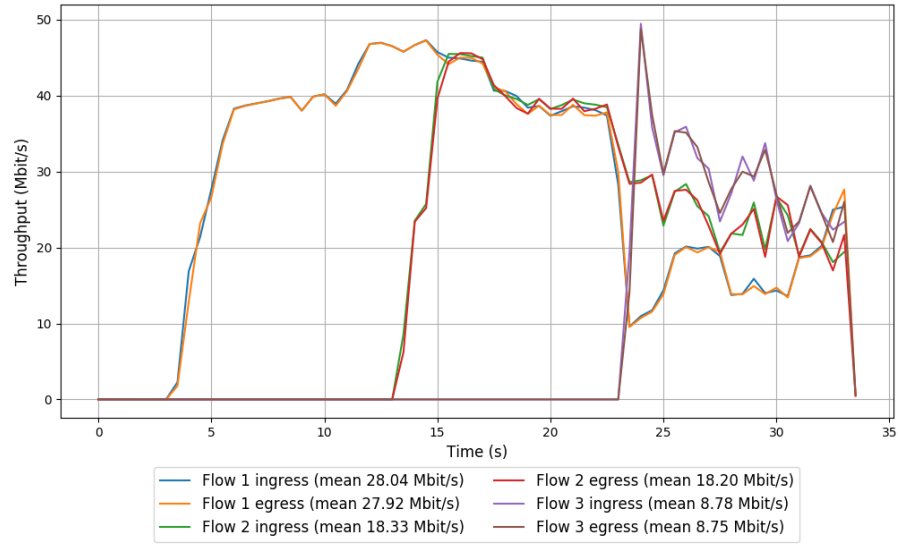
Average throughput: 8.75 Mbit/s

95th percentile per-packet one-way delay: 58.203 ms

Loss rate: 0.40%



## Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Tue, 04 Jul 2017 21:21:40 +0000

End at: Tue, 04 Jul 2017 21:22:10 +0000

Local clock offset: 0.315 ms

Remote clock offset: -4.272 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:16:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 59.44 Mbit/s

95th percentile per-packet one-way delay: 57.109 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 40.67 Mbit/s

95th percentile per-packet one-way delay: 56.850 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 14.57 Mbit/s

95th percentile per-packet one-way delay: 57.824 ms

Loss rate: 0.21%

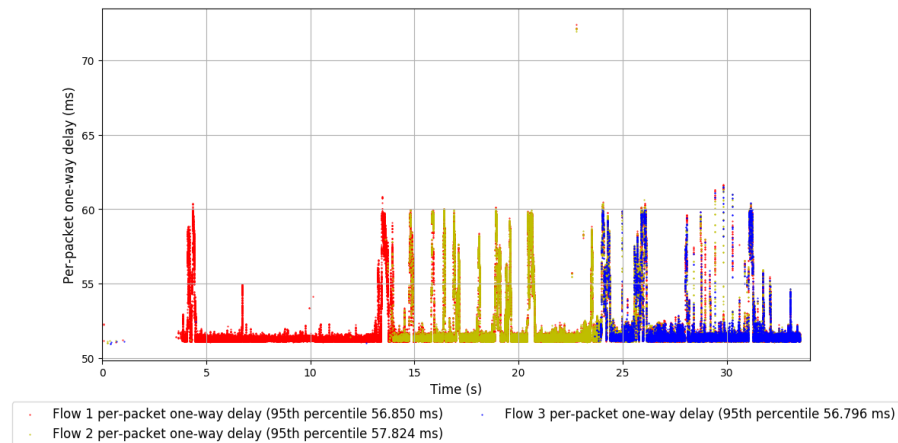
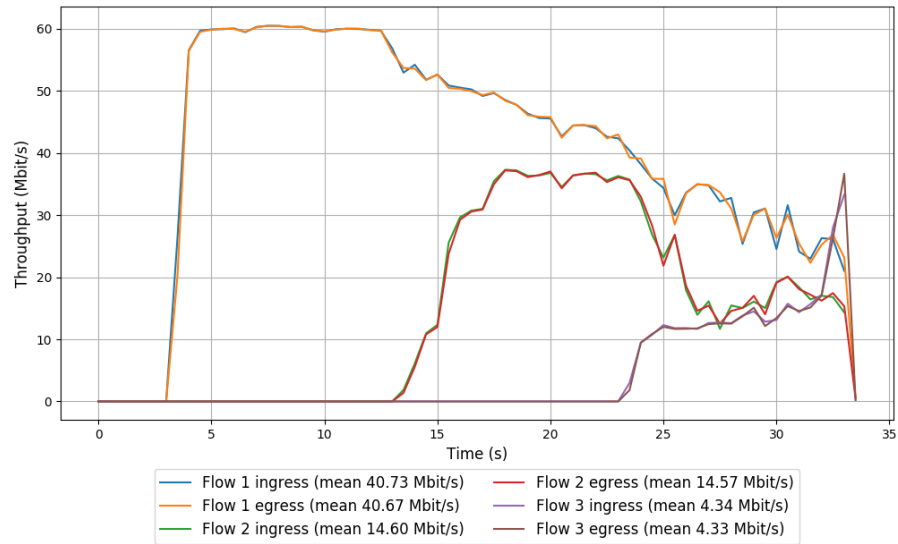
-- Flow 3:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 56.796 ms

Loss rate: 0.26%

## Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

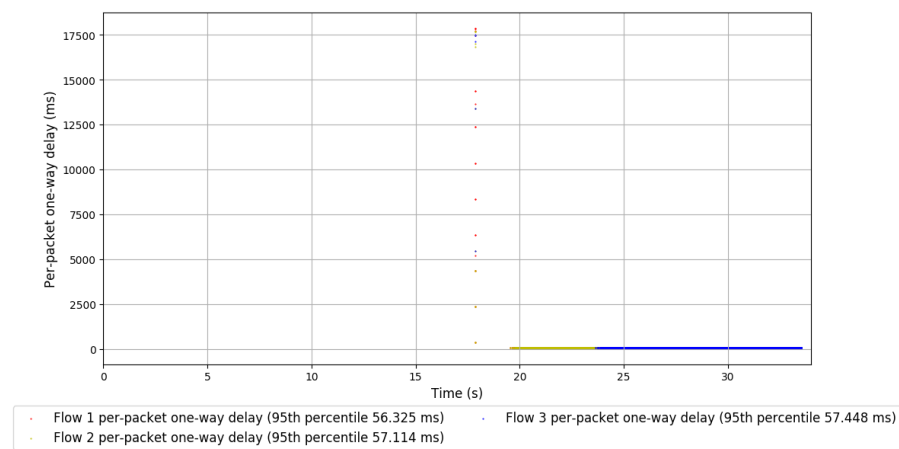
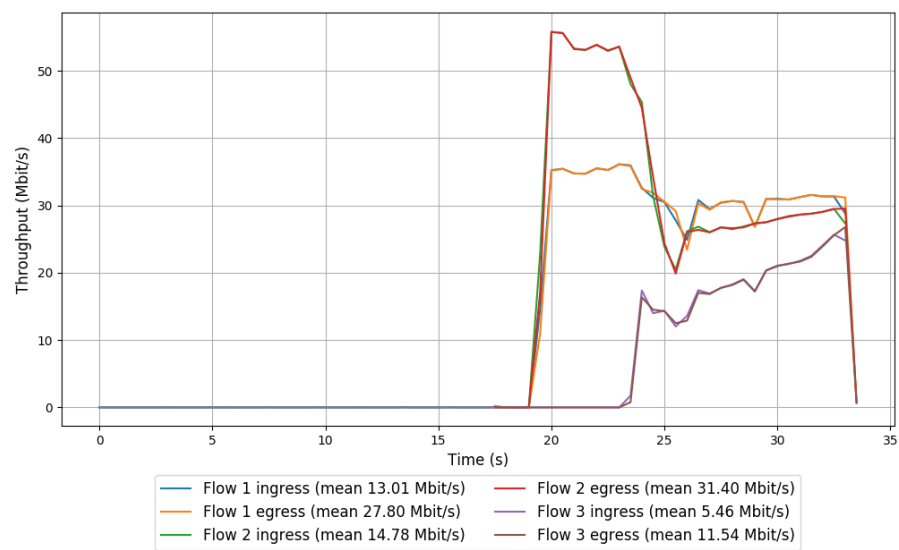
Start at: Tue, 04 Jul 2017 21:42:07 +0000

End at: Tue, 04 Jul 2017 21:42:37 +0000

Local clock offset: 0.189 ms

Remote clock offset: -4.507 ms

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 18:48:36 +0000

End at: Tue, 04 Jul 2017 18:49:06 +0000

Local clock offset: 0.816 ms

Remote clock offset: -2.84 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:16:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.90 Mbit/s

95th percentile per-packet one-way delay: 79.563 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 45.06 Mbit/s

95th percentile per-packet one-way delay: 75.504 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 19.10 Mbit/s

95th percentile per-packet one-way delay: 81.077 ms

Loss rate: 0.84%

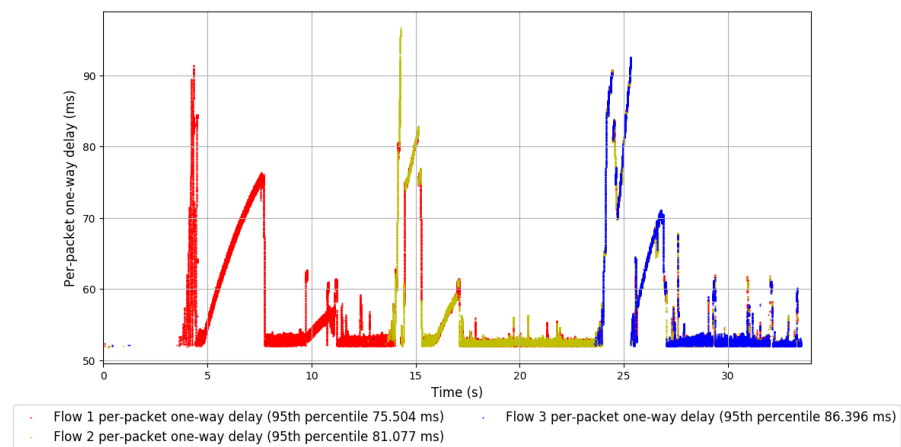
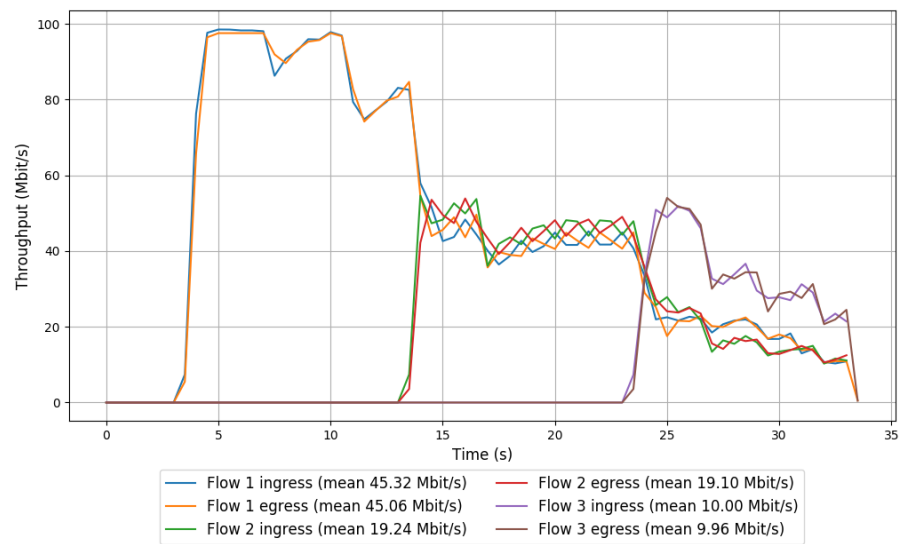
-- Flow 3:

Average throughput: 9.96 Mbit/s

95th percentile per-packet one-way delay: 86.396 ms

Loss rate: 0.45%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 19:09:12 +0000

End at: Tue, 04 Jul 2017 19:09:42 +0000

Local clock offset: 0.903 ms

Remote clock offset: -2.149 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:16:47 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.40 Mbit/s

95th percentile per-packet one-way delay: 81.168 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 46.43 Mbit/s

95th percentile per-packet one-way delay: 81.683 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 18.35 Mbit/s

95th percentile per-packet one-way delay: 78.654 ms

Loss rate: 1.34%

-- Flow 3:

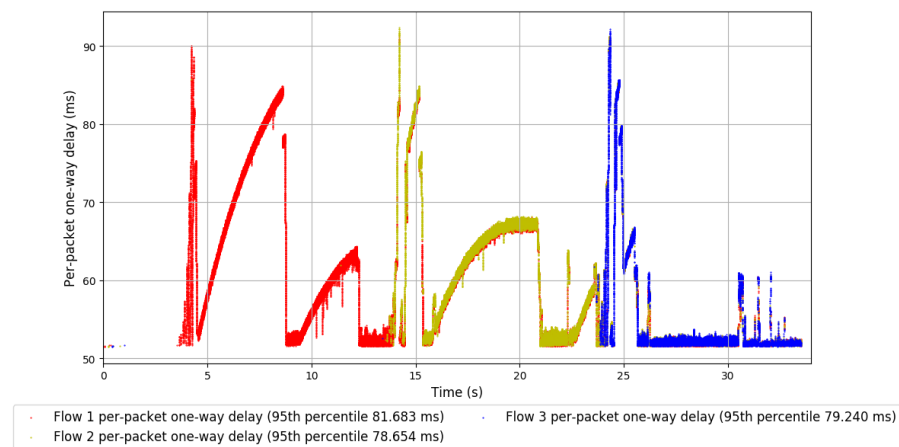
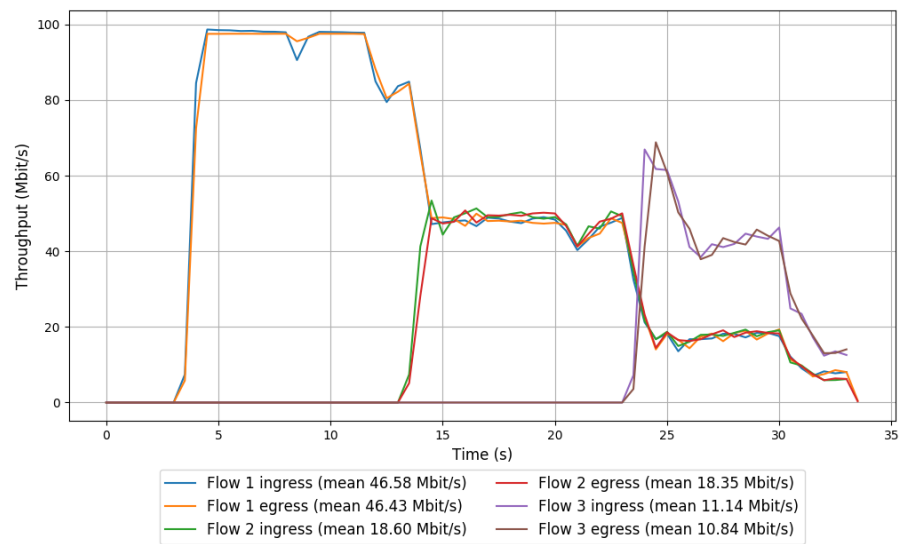
Average throughput: 10.84 Mbit/s

95th percentile per-packet one-way delay: 79.240 ms

Loss rate: 2.76%



Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 19:29:42 +0000

End at: Tue, 04 Jul 2017 19:30:12 +0000

Local clock offset: 0.792 ms

Remote clock offset: -4.358 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:16:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 65.02 Mbit/s

95th percentile per-packet one-way delay: 81.708 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 48.95 Mbit/s

95th percentile per-packet one-way delay: 81.850 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 8.81 Mbit/s

95th percentile per-packet one-way delay: 83.053 ms

Loss rate: 1.35%

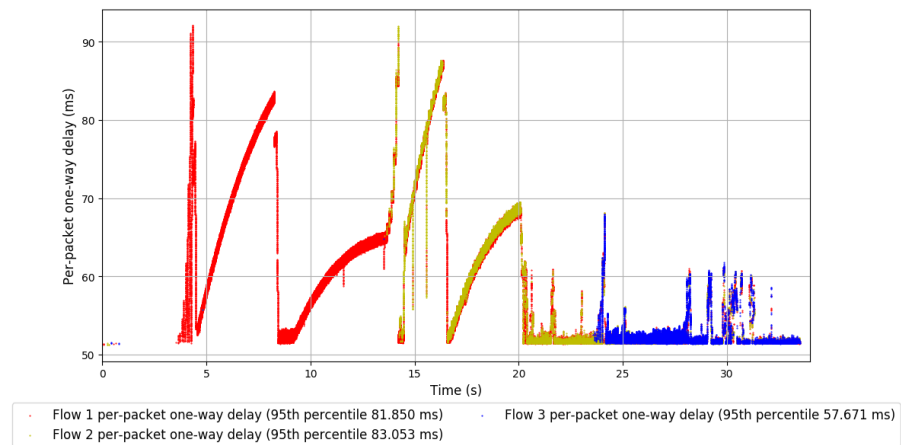
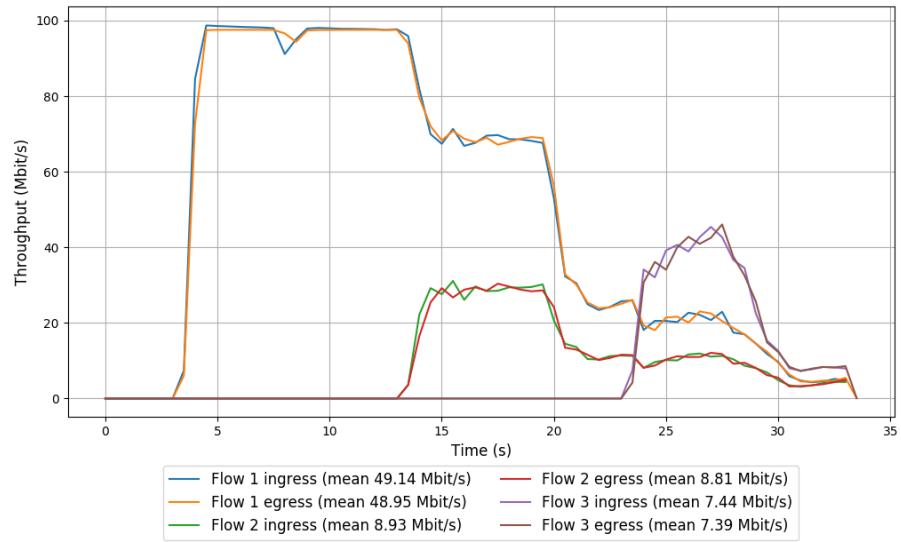
-- Flow 3:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 57.671 ms

Loss rate: 0.69%

### Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 19:50:18 +0000

End at: Tue, 04 Jul 2017 19:50:48 +0000

Local clock offset: 0.788 ms

Remote clock offset: -4.328 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:16:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.27 Mbit/s

95th percentile per-packet one-way delay: 87.503 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 55.19 Mbit/s

95th percentile per-packet one-way delay: 87.029 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 20.21 Mbit/s

95th percentile per-packet one-way delay: 87.816 ms

Loss rate: 0.26%

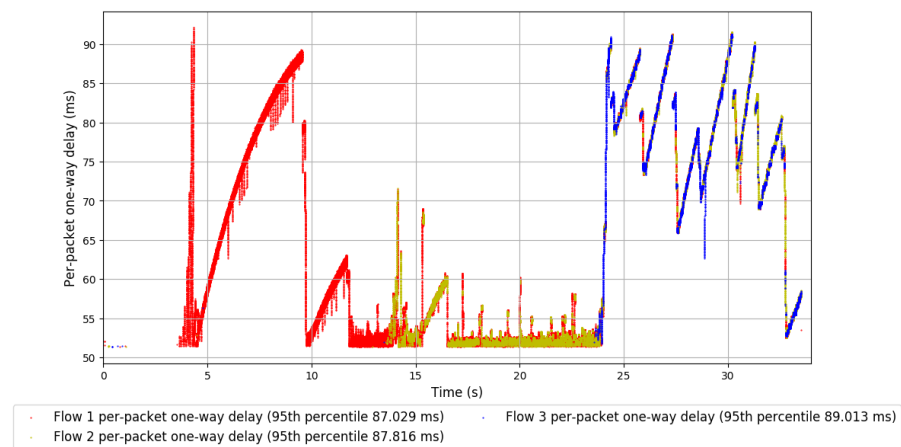
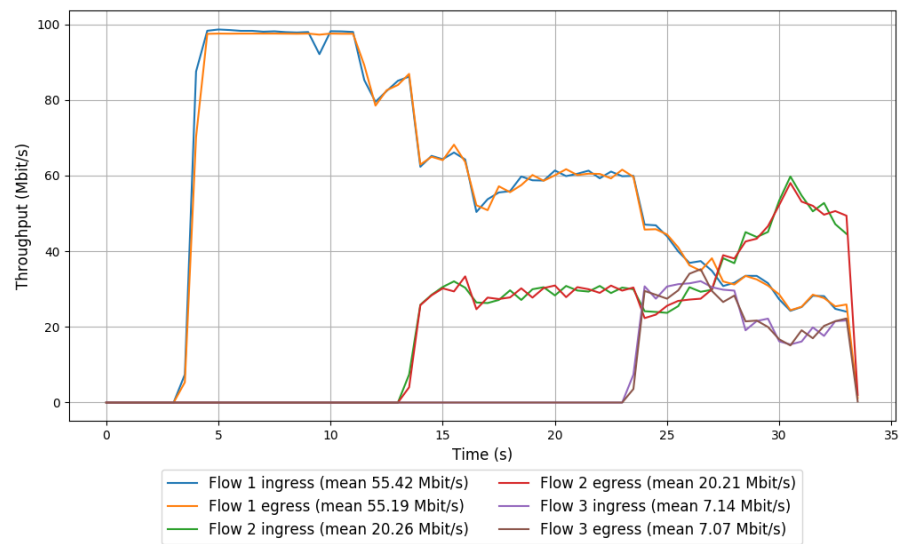
-- Flow 3:

Average throughput: 7.07 Mbit/s

95th percentile per-packet one-way delay: 89.013 ms

Loss rate: 0.98%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 20:10:52 +0000

End at: Tue, 04 Jul 2017 20:11:22 +0000

Local clock offset: 0.775 ms

Remote clock offset: -4.048 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.69 Mbit/s

95th percentile per-packet one-way delay: 86.216 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 50.91 Mbit/s

95th percentile per-packet one-way delay: 85.667 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 20.63 Mbit/s

95th percentile per-packet one-way delay: 88.172 ms

Loss rate: 0.96%

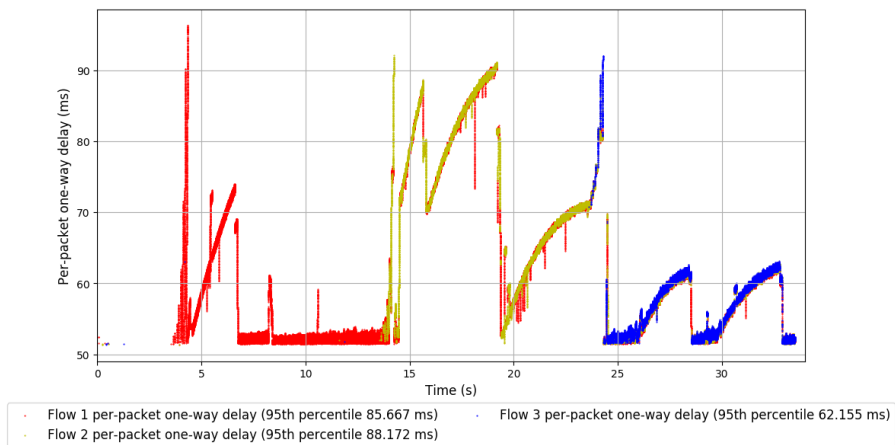
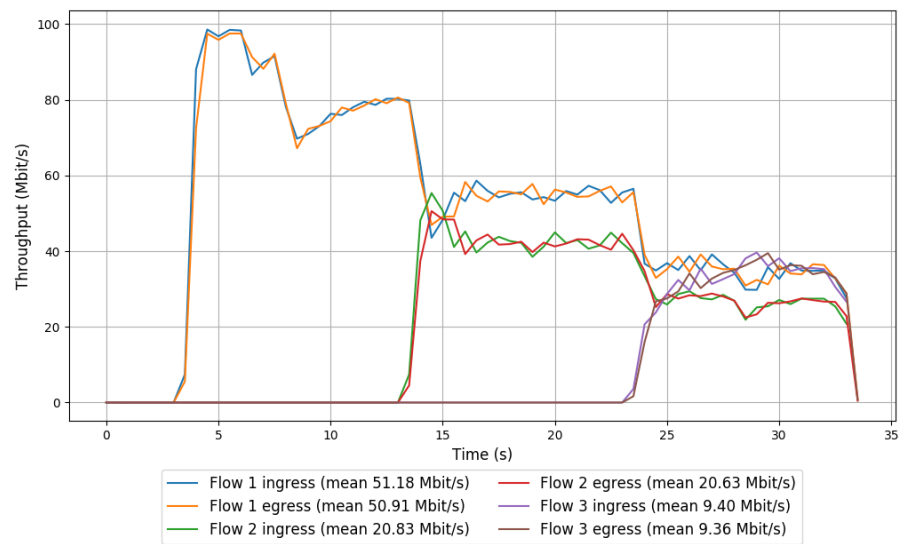
-- Flow 3:

Average throughput: 9.36 Mbit/s

95th percentile per-packet one-way delay: 62.155 ms

Loss rate: 0.41%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 20:31:18 +0000

End at: Tue, 04 Jul 2017 20:31:48 +0000

Local clock offset: 0.748 ms

Remote clock offset: -4.661 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.32 Mbit/s

95th percentile per-packet one-way delay: 63.868 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 13.15 Mbit/s

95th percentile per-packet one-way delay: 73.210 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 17.50 Mbit/s

95th percentile per-packet one-way delay: 60.434 ms

Loss rate: 1.07%

-- Flow 3:

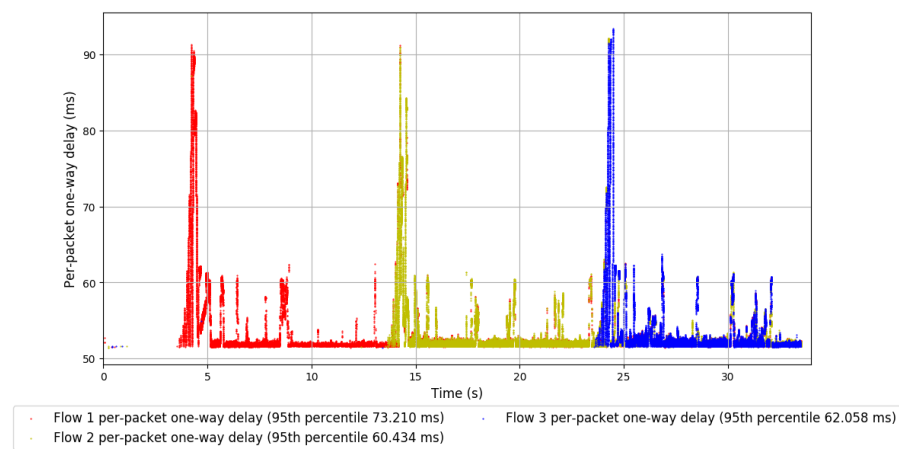
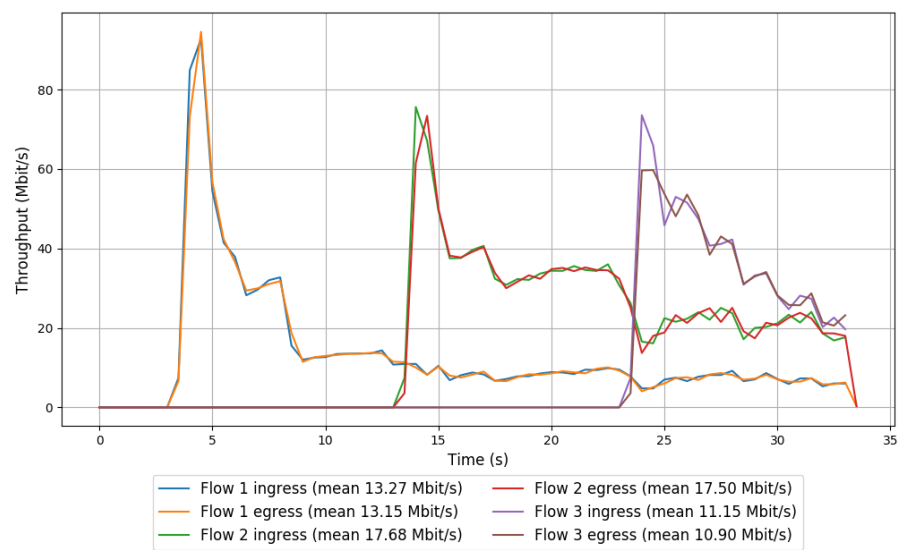
Average throughput: 10.90 Mbit/s

95th percentile per-packet one-way delay: 62.058 ms

Loss rate: 2.23%



Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 20:51:47 +0000

End at: Tue, 04 Jul 2017 20:52:17 +0000

Local clock offset: 0.771 ms

Remote clock offset: -4.293 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:12 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 50.31 Mbit/s

95th percentile per-packet one-way delay: 70.050 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 19.83 Mbit/s

95th percentile per-packet one-way delay: 60.048 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 12.64 Mbit/s

95th percentile per-packet one-way delay: 60.086 ms

Loss rate: 0.61%

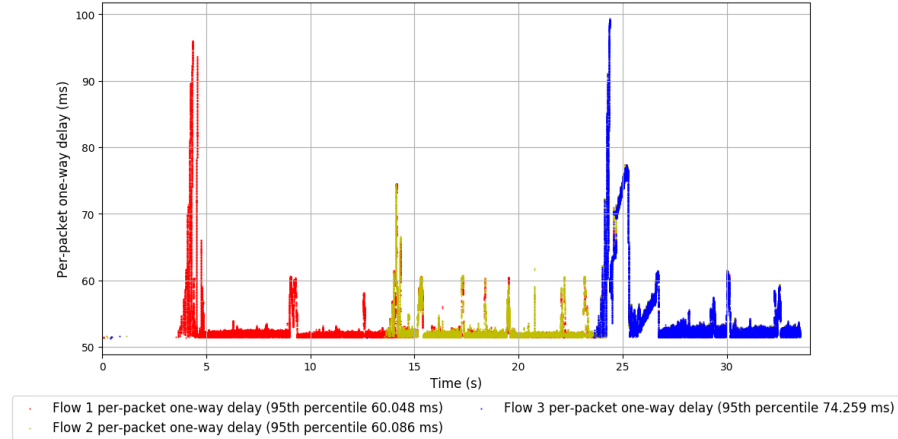
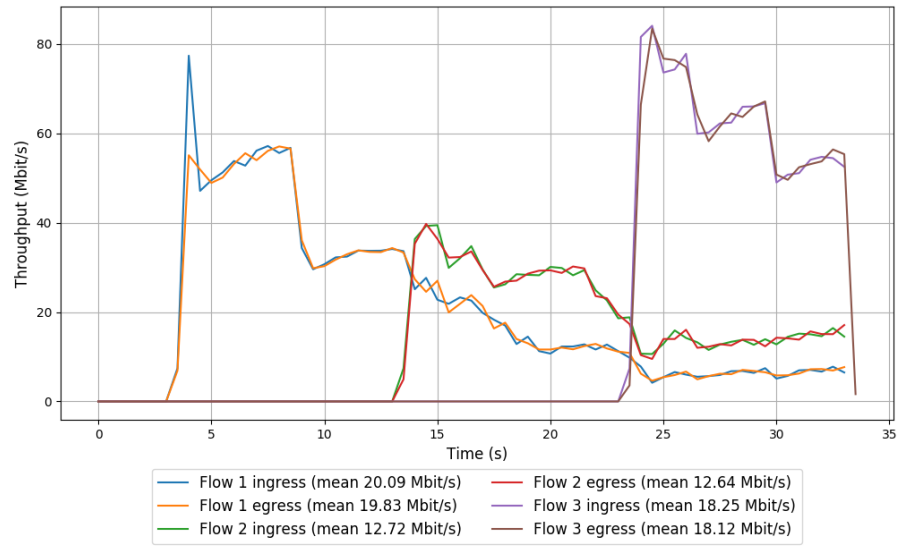
-- Flow 3:

Average throughput: 18.12 Mbit/s

95th percentile per-packet one-way delay: 74.259 ms

Loss rate: 0.76%

## Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 21:12:16 +0000

End at: Tue, 04 Jul 2017 21:12:46 +0000

Local clock offset: 0.504 ms

Remote clock offset: -2.274 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 39.56 Mbit/s

95th percentile per-packet one-way delay: 63.437 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 16.59 Mbit/s

95th percentile per-packet one-way delay: 60.289 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 11.77 Mbit/s

95th percentile per-packet one-way delay: 67.033 ms

Loss rate: 1.78%

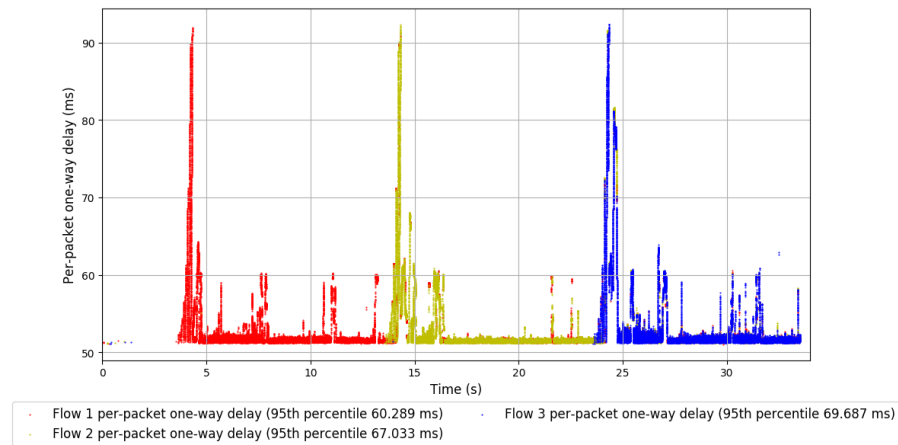
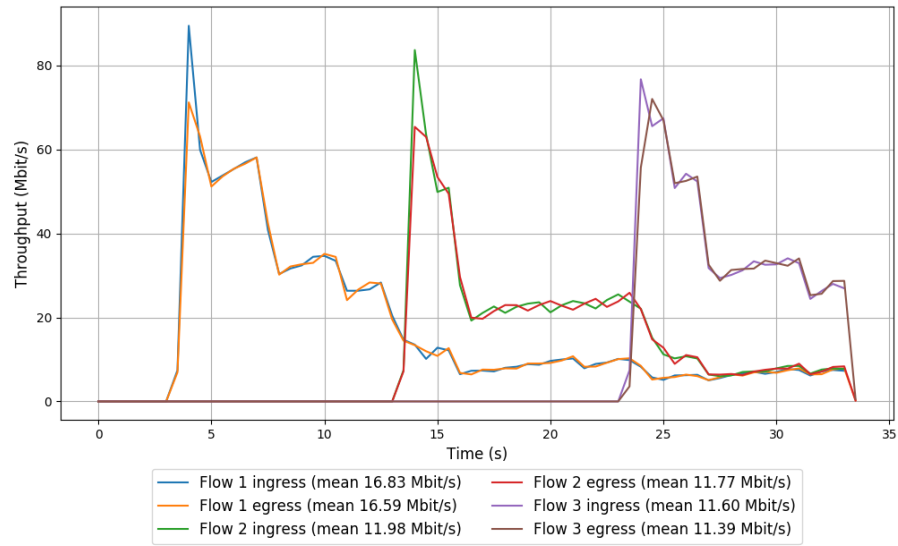
-- Flow 3:

Average throughput: 11.39 Mbit/s

95th percentile per-packet one-way delay: 69.687 ms

Loss rate: 1.87%

## Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 21:32:43 +0000

End at: Tue, 04 Jul 2017 21:33:13 +0000

Local clock offset: 0.274 ms

Remote clock offset: -4.561 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 33.68 Mbit/s

95th percentile per-packet one-way delay: 62.667 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 56.364 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 11.60 Mbit/s

95th percentile per-packet one-way delay: 66.713 ms

Loss rate: 1.16%

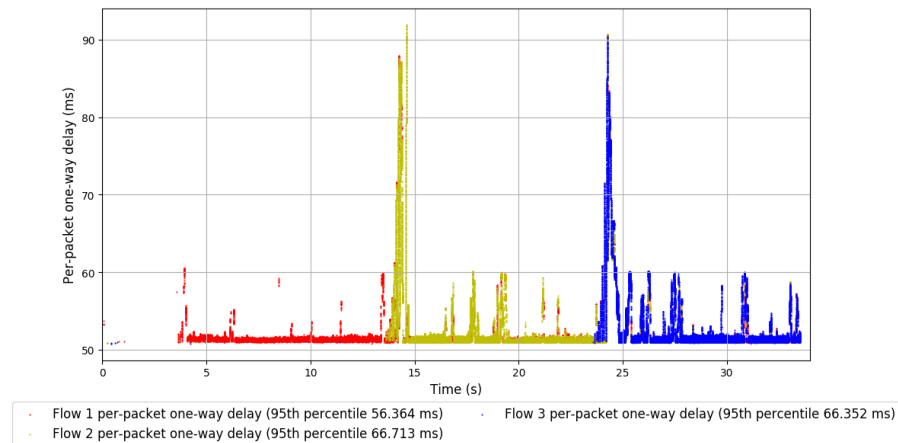
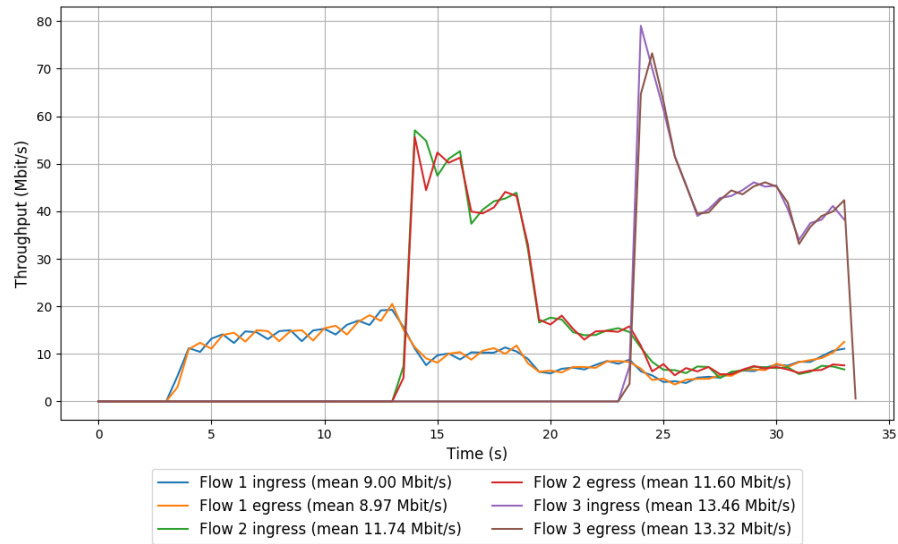
-- Flow 3:

Average throughput: 13.32 Mbit/s

95th percentile per-packet one-way delay: 66.352 ms

Loss rate: 1.10%

## Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 21:53:06 +0000

End at: Tue, 04 Jul 2017 21:53:36 +0000

Local clock offset: 0.148 ms

Remote clock offset: -1.998 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 66.71 Mbit/s

95th percentile per-packet one-way delay: 81.222 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 28.76 Mbit/s

95th percentile per-packet one-way delay: 79.875 ms

Loss rate: 0.83%

-- Flow 2:

Average throughput: 27.48 Mbit/s

95th percentile per-packet one-way delay: 80.591 ms

Loss rate: 0.89%

-- Flow 3:

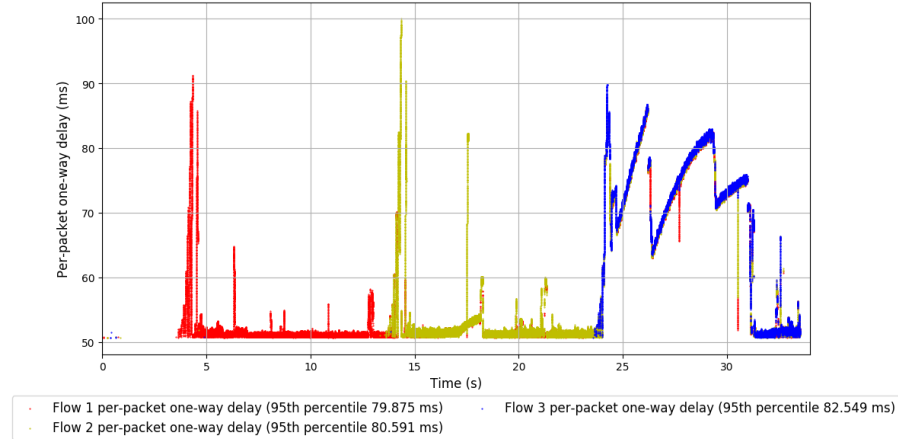
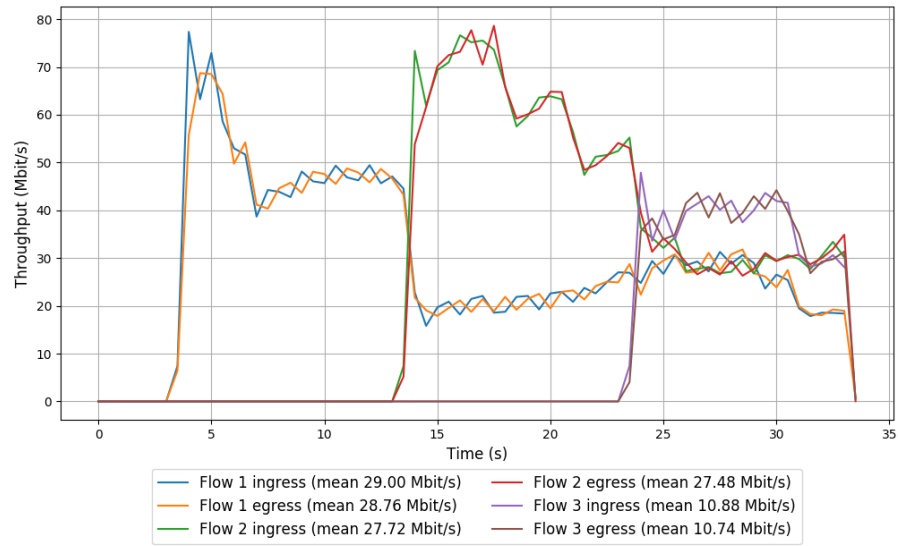
Average throughput: 10.74 Mbit/s

95th percentile per-packet one-way delay: 82.549 ms

Loss rate: 1.31%



# Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 18:43:02 +0000

End at: Tue, 04 Jul 2017 18:43:32 +0000

Local clock offset: 0.926 ms

Remote clock offset: -4.656 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.94 Mbit/s

95th percentile per-packet one-way delay: 53.023 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 52.992 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 8.09 Mbit/s

95th percentile per-packet one-way delay: 53.114 ms

Loss rate: 0.02%

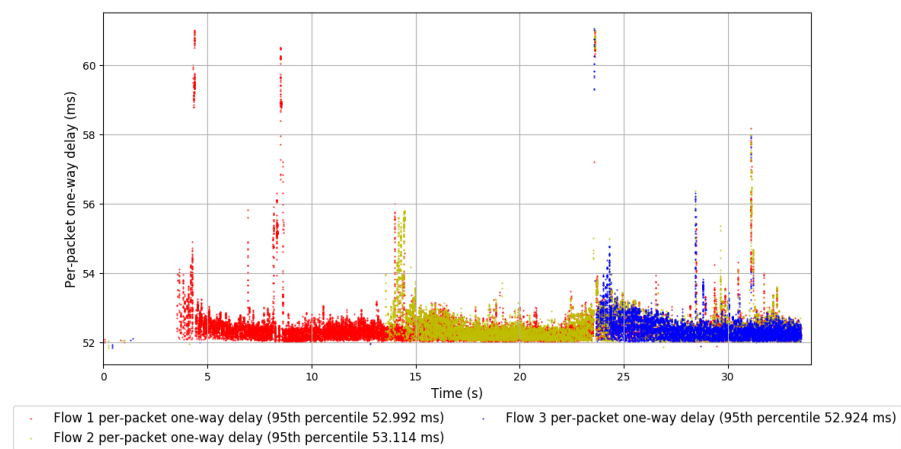
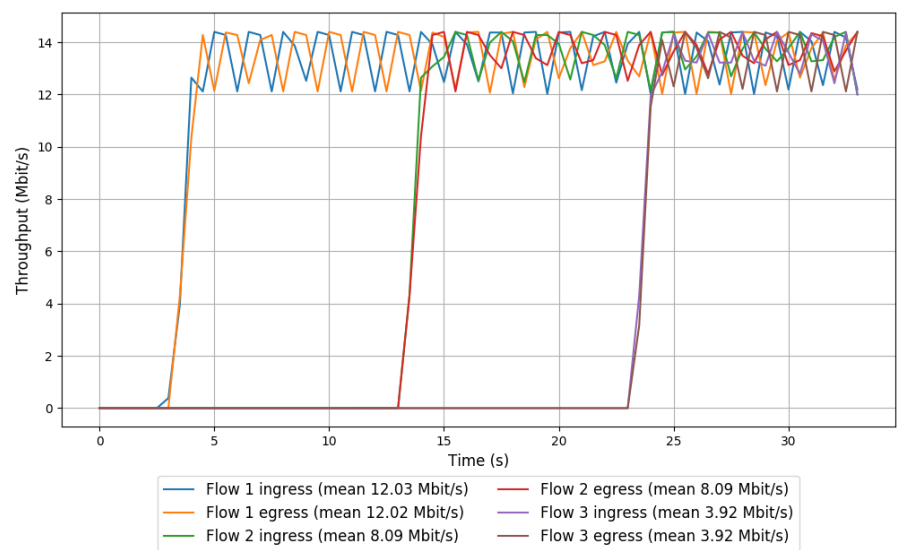
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 52.924 ms

Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:03:33 +0000

End at: Tue, 04 Jul 2017 19:04:03 +0000

Local clock offset: 0.931 ms

Remote clock offset: -4.834 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:27 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 52.748 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 12.04 Mbit/s

95th percentile per-packet one-way delay: 52.504 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 8.08 Mbit/s

95th percentile per-packet one-way delay: 52.958 ms

Loss rate: 0.03%

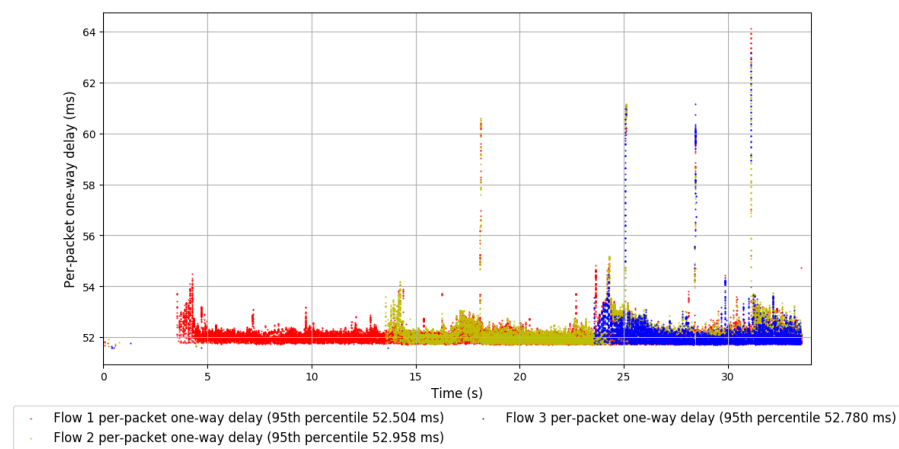
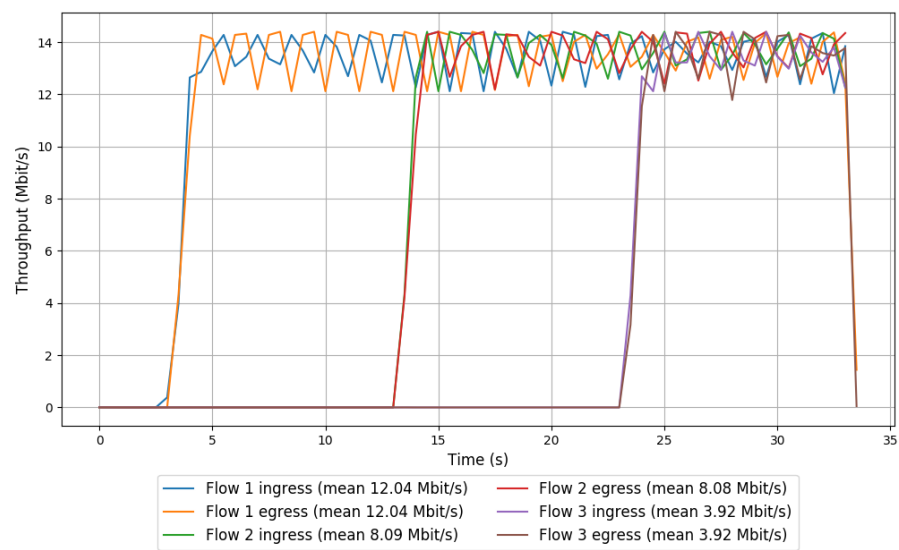
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 52.780 ms

Loss rate: 0.13%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:24:08 +0000

End at: Tue, 04 Jul 2017 19:24:38 +0000

Local clock offset: 0.789 ms

Remote clock offset: -4.474 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:29 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 24.01 Mbit/s

95th percentile per-packet one-way delay: 52.243 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 12.16 Mbit/s

95th percentile per-packet one-way delay: 52.300 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 52.167 ms

Loss rate: 0.00%

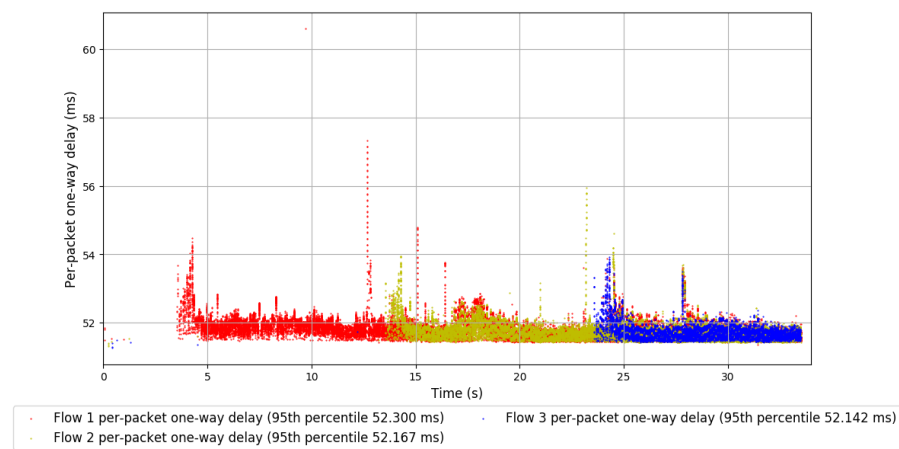
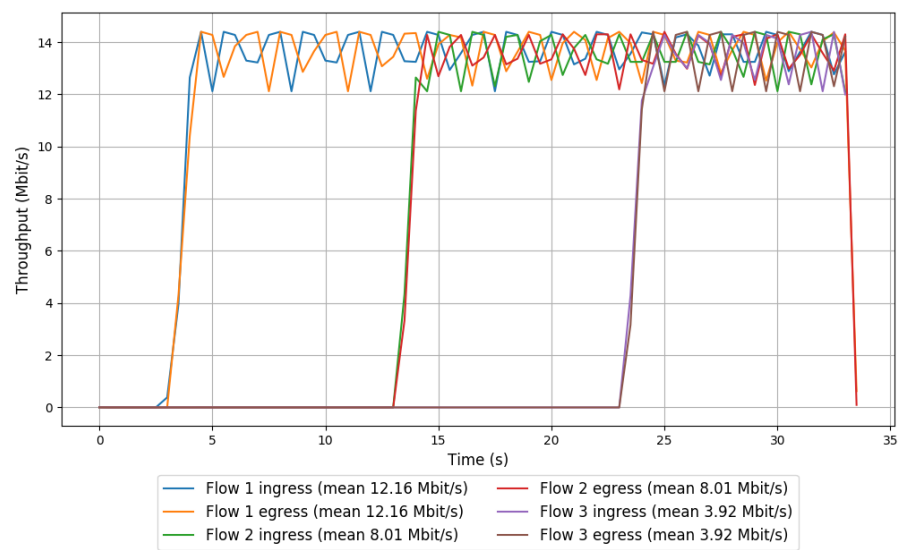
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 52.142 ms

Loss rate: 0.00%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:44:44 +0000

End at: Tue, 04 Jul 2017 19:45:14 +0000

Local clock offset: 0.878 ms

Remote clock offset: -1.438 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.79 Mbit/s

95th percentile per-packet one-way delay: 52.889 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 11.96 Mbit/s

95th percentile per-packet one-way delay: 52.658 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 52.811 ms

Loss rate: 0.14%

-- Flow 3:

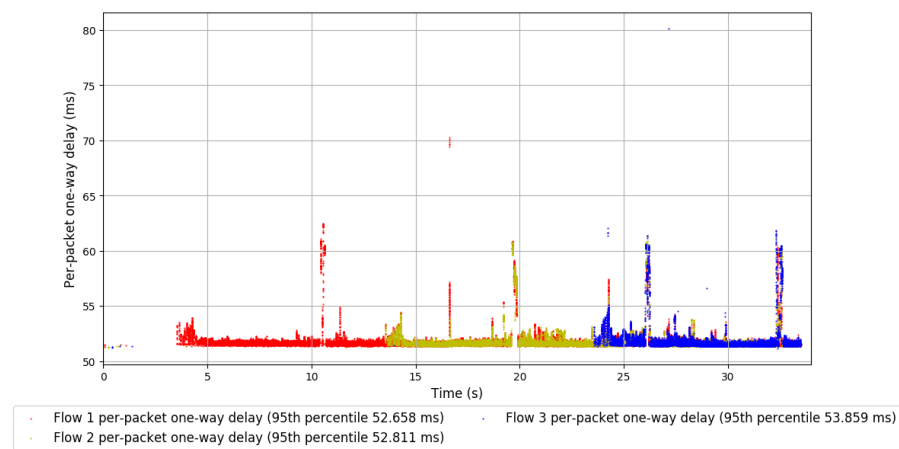
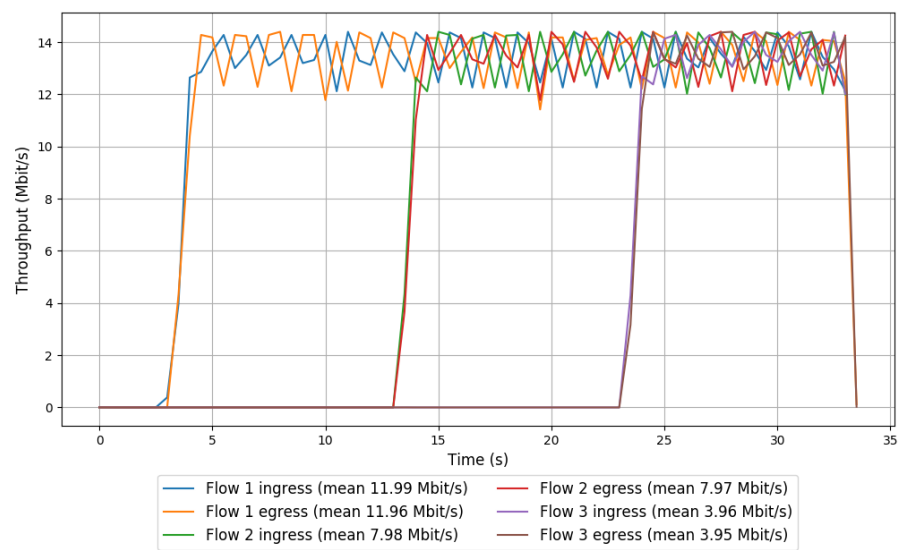
Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 53.859 ms

Loss rate: 0.10%



Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 20:05:15 +0000

End at: Tue, 04 Jul 2017 20:05:45 +0000

Local clock offset: 0.894 ms

Remote clock offset: -4.42 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:34 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 52.376 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 52.319 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 8.09 Mbit/s

95th percentile per-packet one-way delay: 52.535 ms

Loss rate: 0.00%

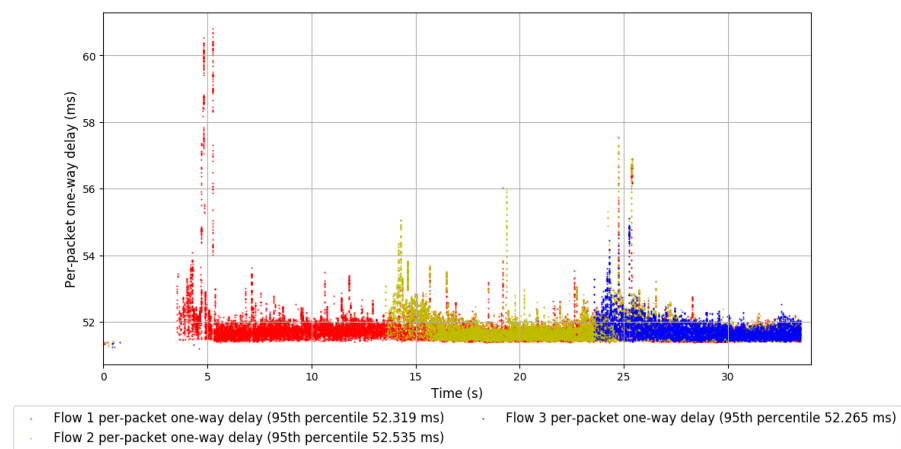
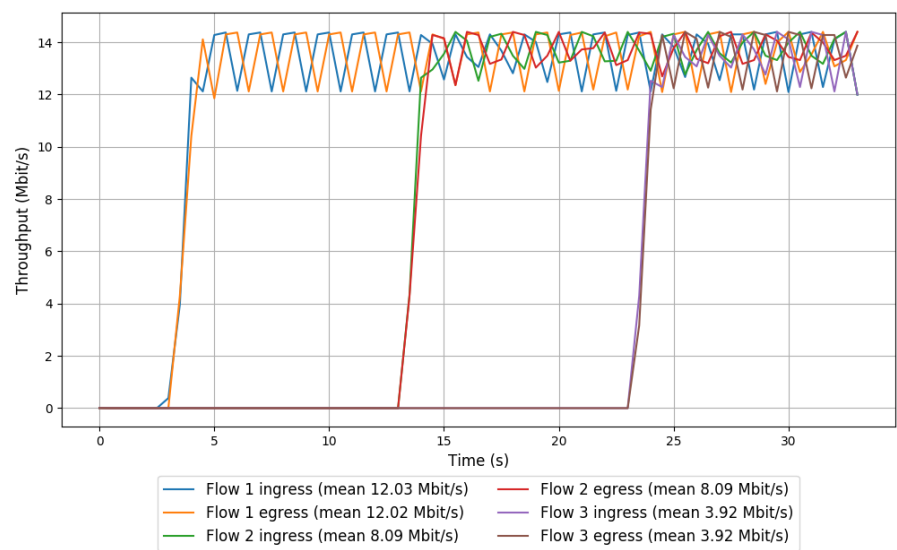
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 52.265 ms

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 20:25:45 +0000

End at: Tue, 04 Jul 2017 20:26:15 +0000

Local clock offset: 0.744 ms

Remote clock offset: -1.787 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.83 Mbit/s

95th percentile per-packet one-way delay: 52.713 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 12.03 Mbit/s

95th percentile per-packet one-way delay: 52.623 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 52.739 ms

Loss rate: 0.00%

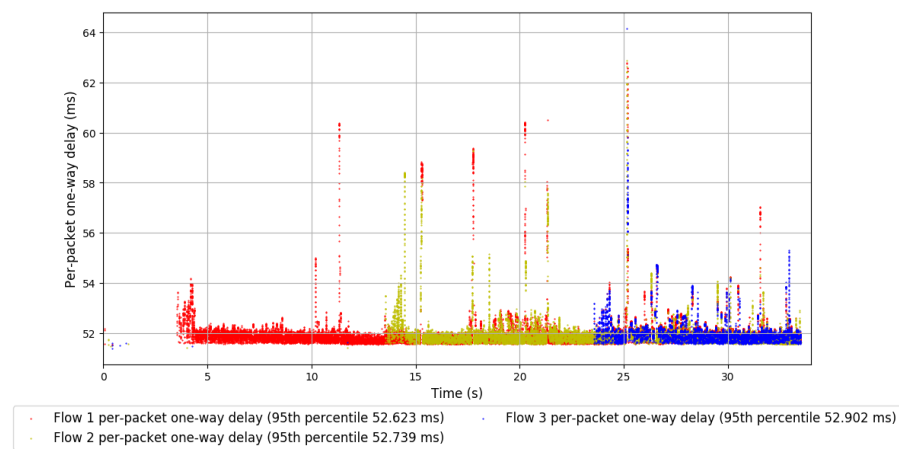
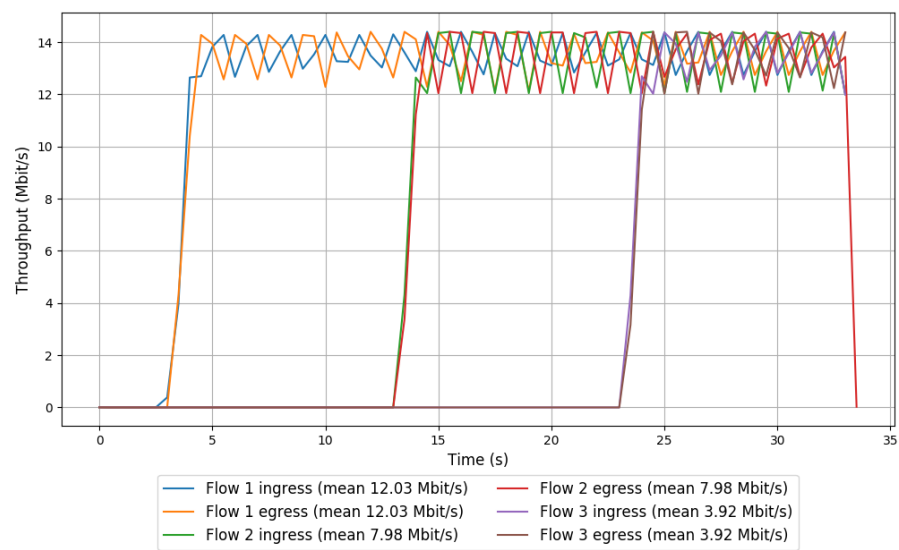
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 52.902 ms

Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 20:46:13 +0000

End at: Tue, 04 Jul 2017 20:46:43 +0000

Local clock offset: 0.702 ms

Remote clock offset: -4.264 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.78 Mbit/s

95th percentile per-packet one-way delay: 52.807 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 52.681 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 52.657 ms

Loss rate: 0.04%

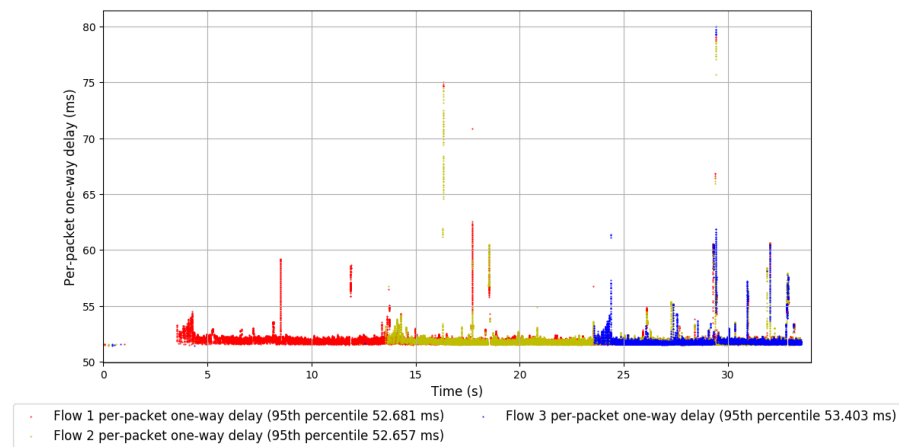
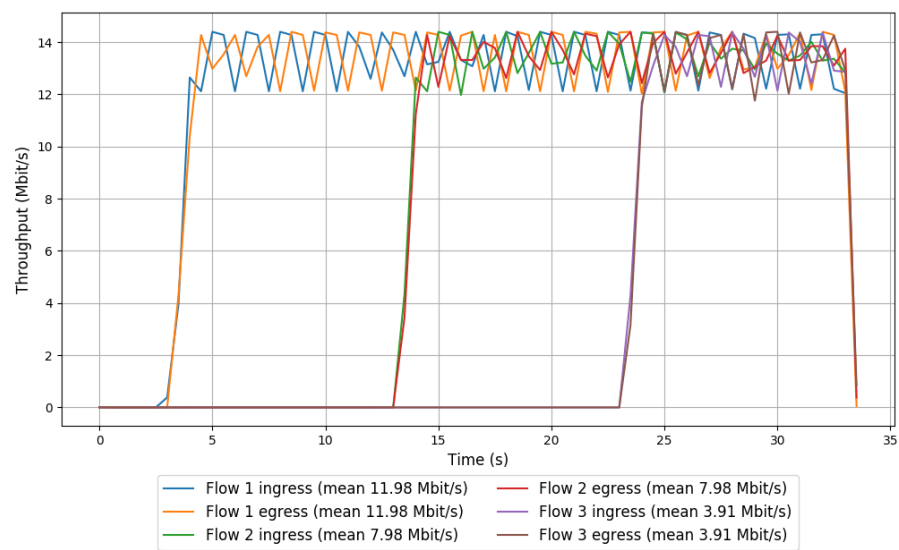
-- Flow 3:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 53.403 ms

Loss rate: 0.10%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:06:43 +0000

End at: Tue, 04 Jul 2017 21:07:13 +0000

Local clock offset: 0.618 ms

Remote clock offset: -4.306 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.62 Mbit/s

95th percentile per-packet one-way delay: 58.322 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 11.86 Mbit/s

95th percentile per-packet one-way delay: 58.421 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 58.159 ms

Loss rate: 0.42%

-- Flow 3:

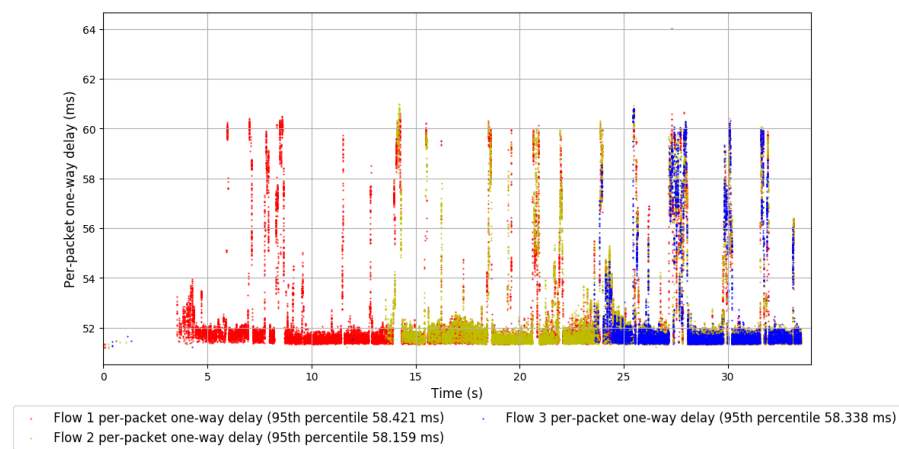
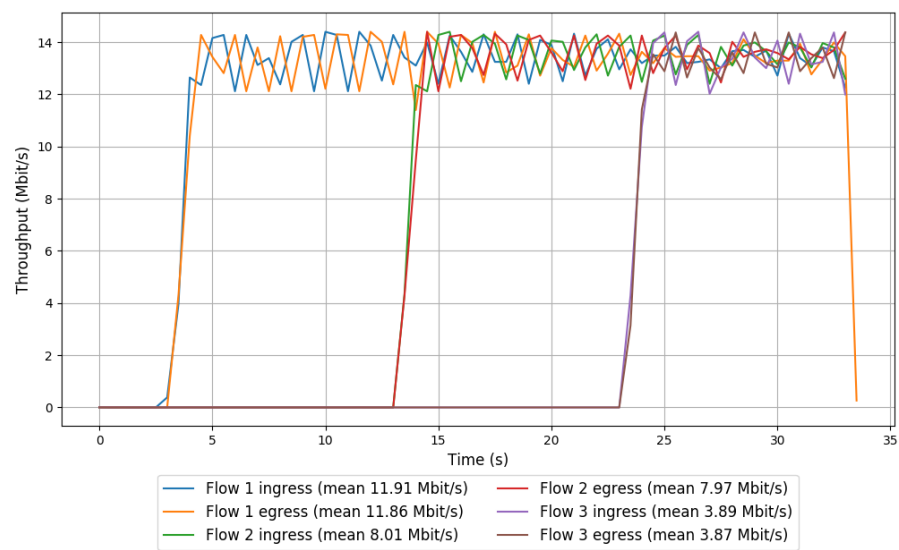
Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 58.338 ms

Loss rate: 0.44%



Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:27:11 +0000

End at: Tue, 04 Jul 2017 21:27:41 +0000

Local clock offset: 0.255 ms

Remote clock offset: -1.679 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.80 Mbit/s

95th percentile per-packet one-way delay: 52.867 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 12.00 Mbit/s

95th percentile per-packet one-way delay: 52.674 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 52.973 ms

Loss rate: 0.23%

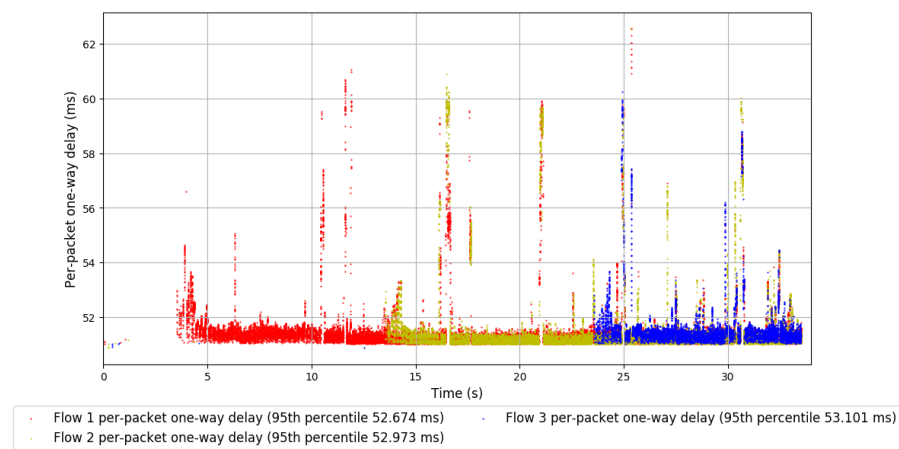
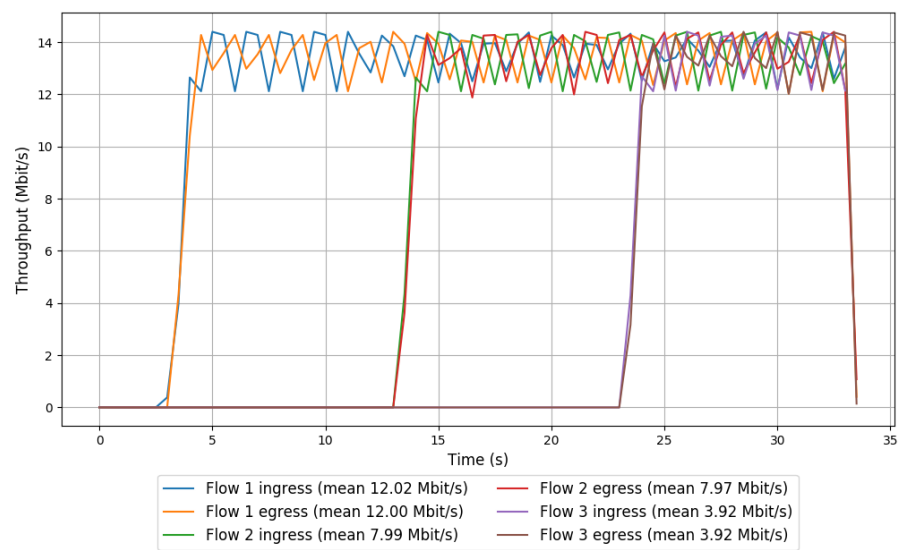
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 53.101 ms

Loss rate: 0.10%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:47:33 +0000

End at: Tue, 04 Jul 2017 21:48:03 +0000

Local clock offset: 0.269 ms

Remote clock offset: -1.996 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.75 Mbit/s

95th percentile per-packet one-way delay: 52.771 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 52.704 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 53.922 ms

Loss rate: 0.12%

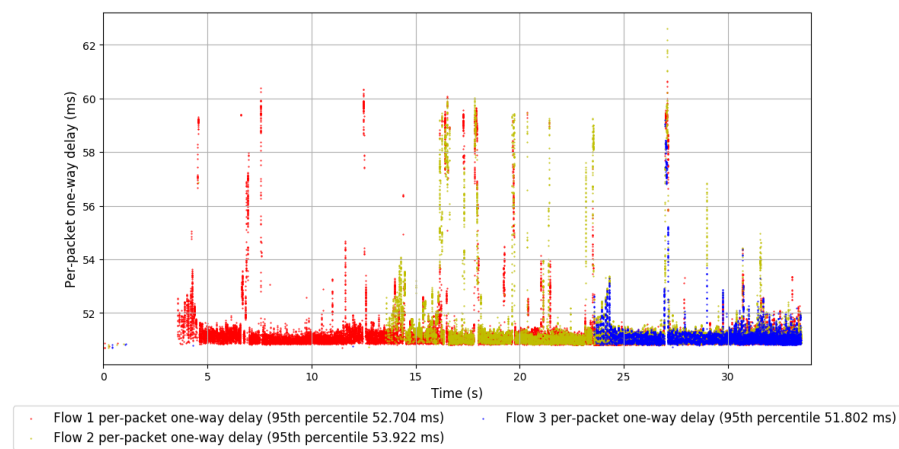
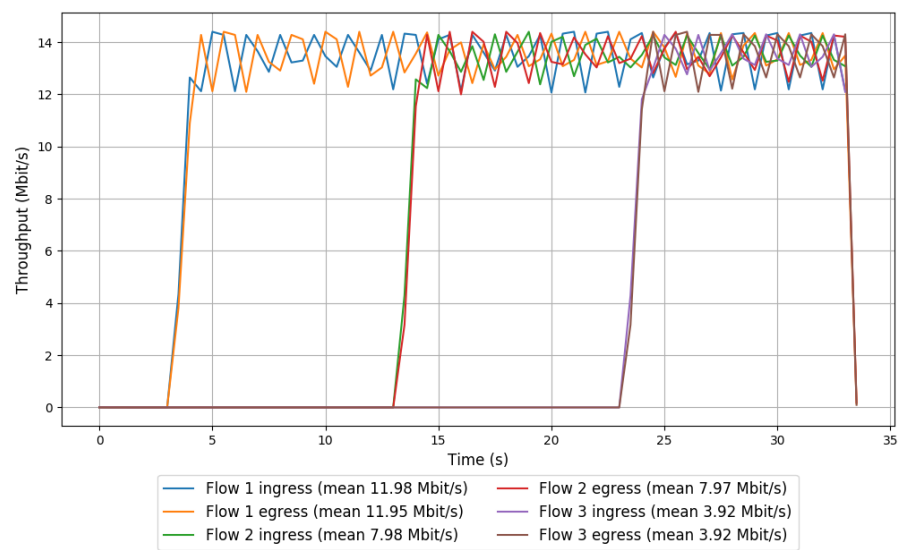
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 51.802 ms

Loss rate: 0.01%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 18:38:55 +0000

End at: Tue, 04 Jul 2017 18:39:25 +0000

Local clock offset: 0.844 ms

Remote clock offset: -3.03 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 43.77 Mbit/s

95th percentile per-packet one-way delay: 76.944 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 31.36 Mbit/s

95th percentile per-packet one-way delay: 75.753 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 78.093 ms

Loss rate: 0.10%

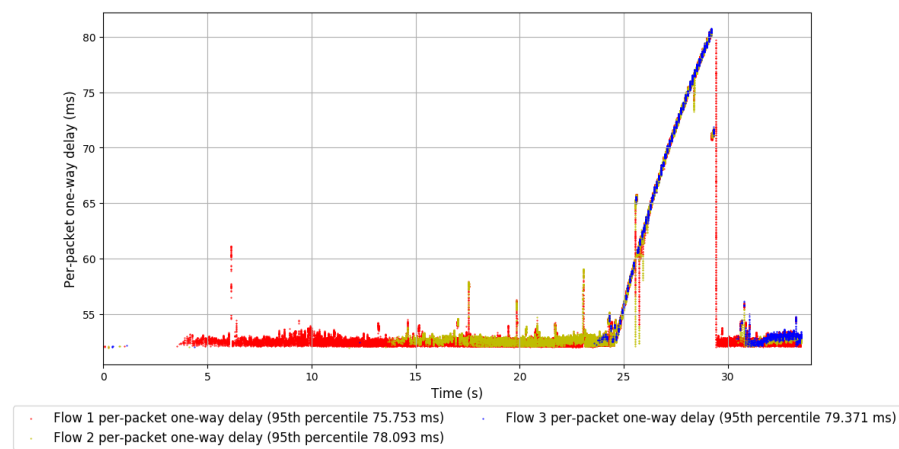
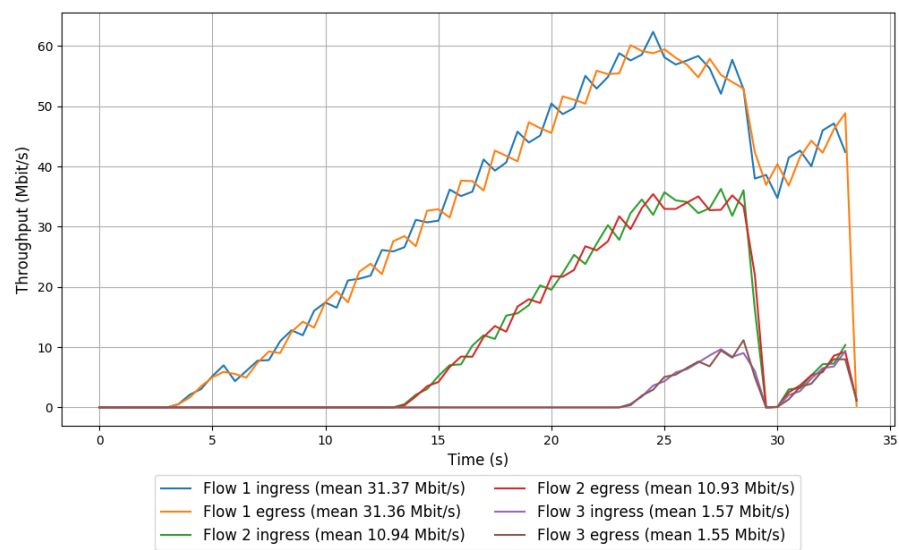
-- Flow 3:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 79.371 ms

Loss rate: 1.13%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 18:59:26 +0000

End at: Tue, 04 Jul 2017 18:59:56 +0000

Local clock offset: 0.942 ms

Remote clock offset: -2.394 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 43.64 Mbit/s

95th percentile per-packet one-way delay: 66.299 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 28.55 Mbit/s

95th percentile per-packet one-way delay: 65.822 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 12.31 Mbit/s

95th percentile per-packet one-way delay: 67.143 ms

Loss rate: 0.06%

-- Flow 3:

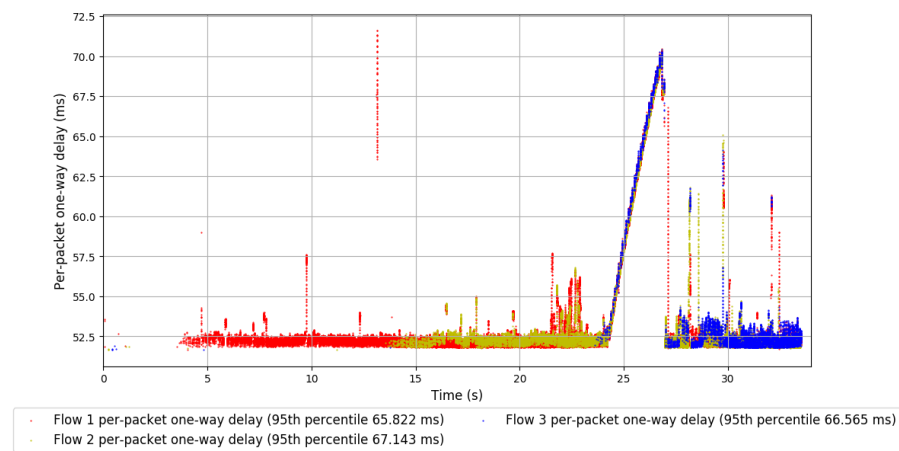
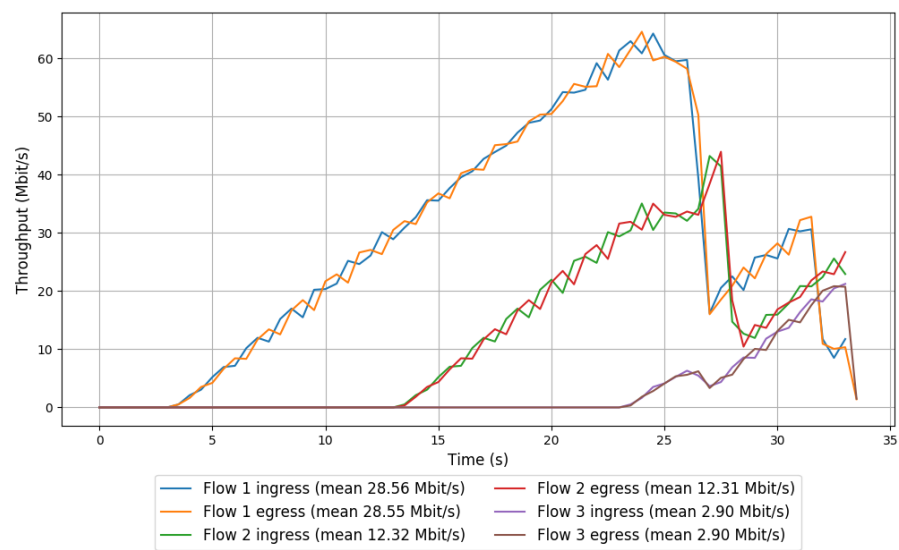
Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 66.565 ms

Loss rate: 0.10%



Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 19:20:04 +0000

End at: Tue, 04 Jul 2017 19:20:34 +0000

Local clock offset: 0.812 ms

Remote clock offset: -4.489 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:17:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 26.46 Mbit/s

95th percentile per-packet one-way delay: 54.622 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 16.44 Mbit/s

95th percentile per-packet one-way delay: 53.726 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 7.07 Mbit/s

95th percentile per-packet one-way delay: 56.100 ms

Loss rate: 0.34%

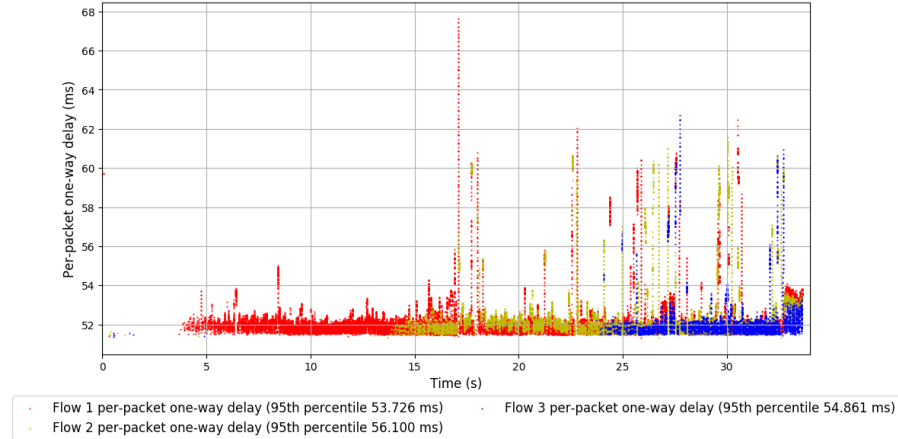
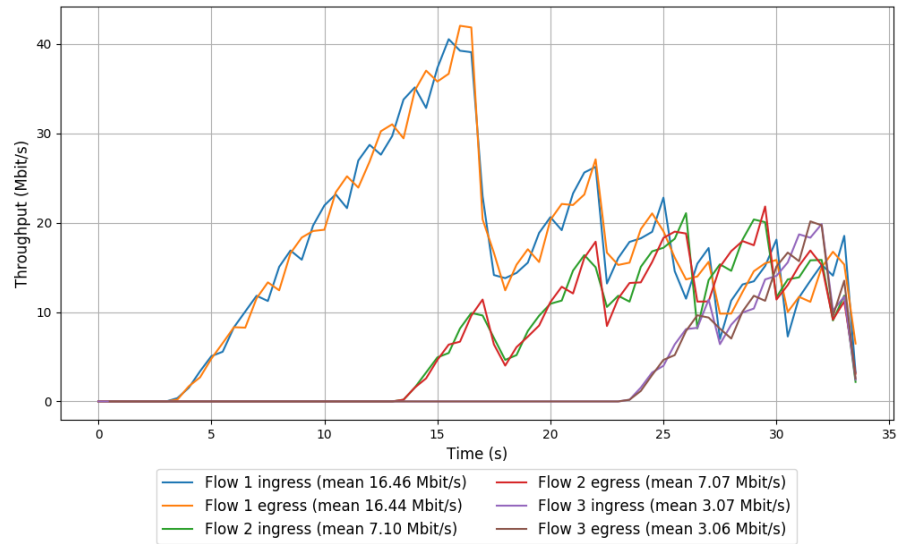
-- Flow 3:

Average throughput: 3.06 Mbit/s

95th percentile per-packet one-way delay: 54.861 ms

Loss rate: 0.25%

### Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 19:40:32 +0000

End at: Tue, 04 Jul 2017 19:41:02 +0000

Local clock offset: 0.814 ms

Remote clock offset: -1.892 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 46.90 Mbit/s

95th percentile per-packet one-way delay: 80.663 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 29.83 Mbit/s

95th percentile per-packet one-way delay: 80.242 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 13.87 Mbit/s

95th percentile per-packet one-way delay: 81.101 ms

Loss rate: 0.04%

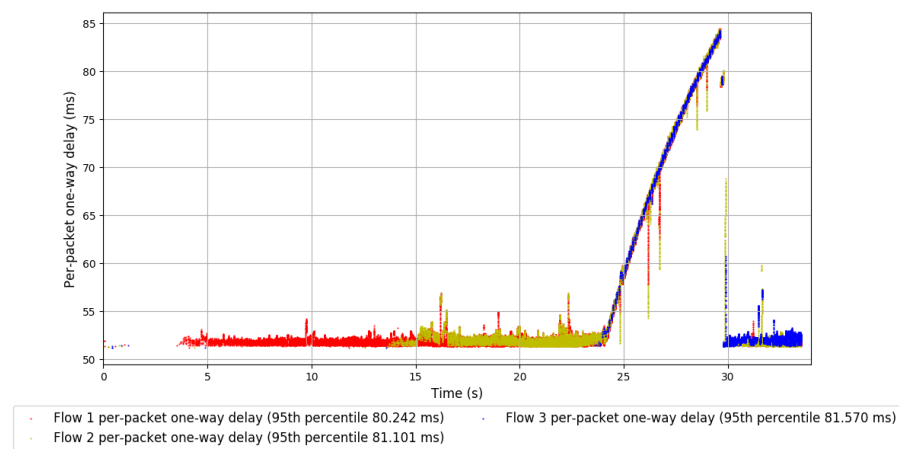
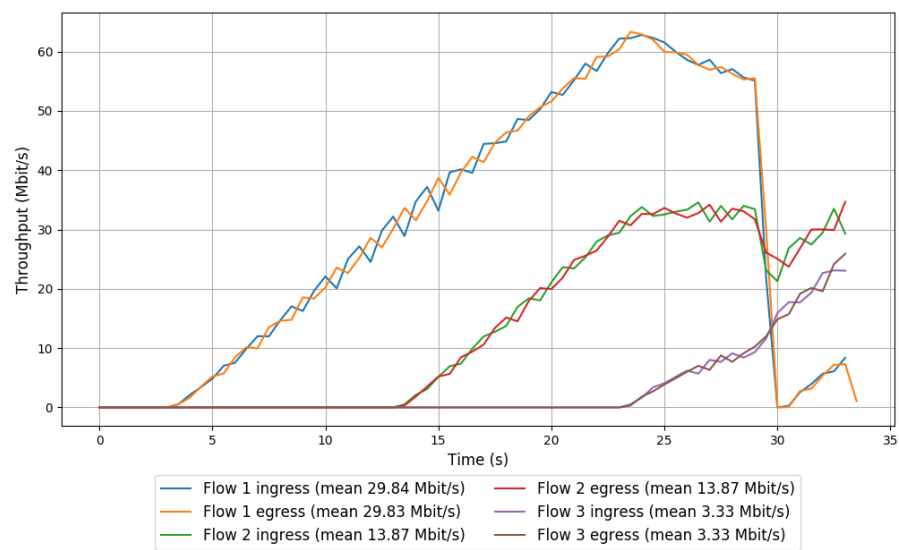
-- Flow 3:

Average throughput: 3.33 Mbit/s

95th percentile per-packet one-way delay: 81.570 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:01:10 +0000

End at: Tue, 04 Jul 2017 20:01:40 +0000

Local clock offset: 0.826 ms

Remote clock offset: -1.95 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 34.79 Mbit/s

95th percentile per-packet one-way delay: 71.825 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 19.00 Mbit/s

95th percentile per-packet one-way delay: 70.439 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 11.80 Mbit/s

95th percentile per-packet one-way delay: 72.222 ms

Loss rate: 0.10%

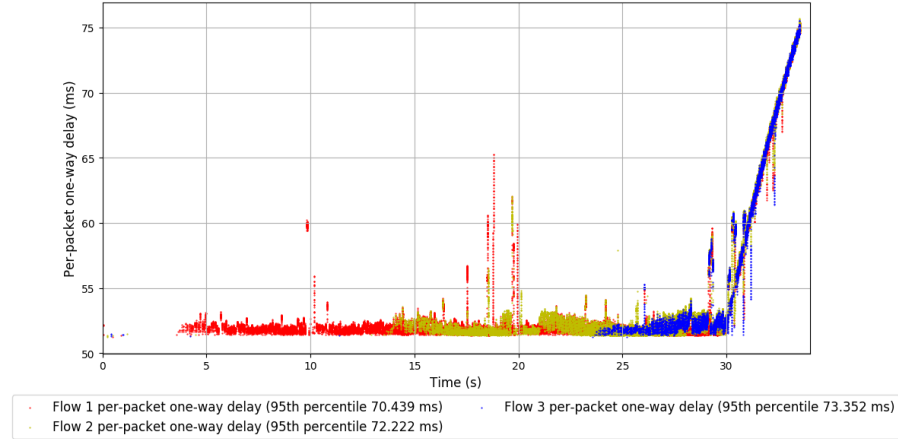
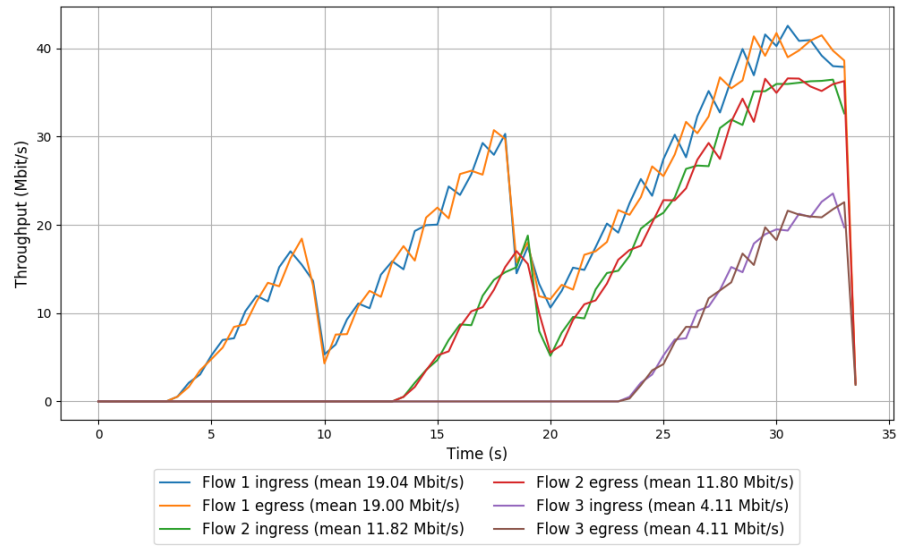
-- Flow 3:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 73.352 ms

Loss rate: 0.00%

## Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:21:41 +0000

End at: Tue, 04 Jul 2017 20:22:11 +0000

Local clock offset: 0.761 ms

Remote clock offset: -1.646 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 29.75 Mbit/s

95th percentile per-packet one-way delay: 53.916 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 18.18 Mbit/s

95th percentile per-packet one-way delay: 54.043 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 53.711 ms

Loss rate: 0.26%

-- Flow 3:

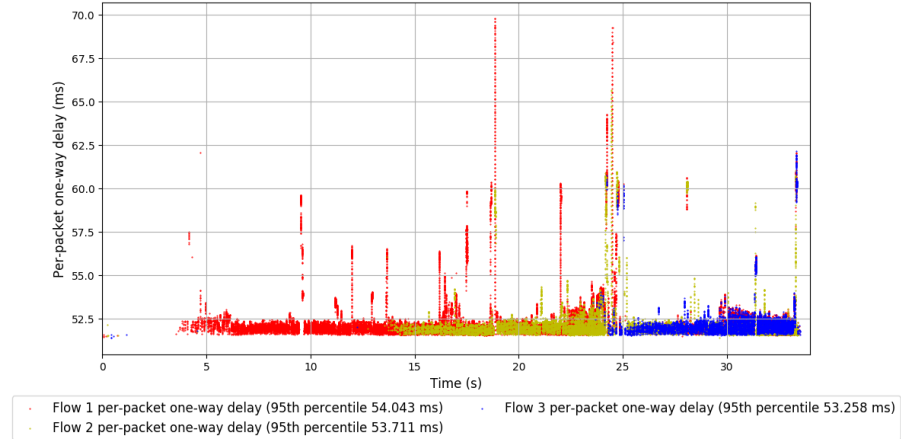
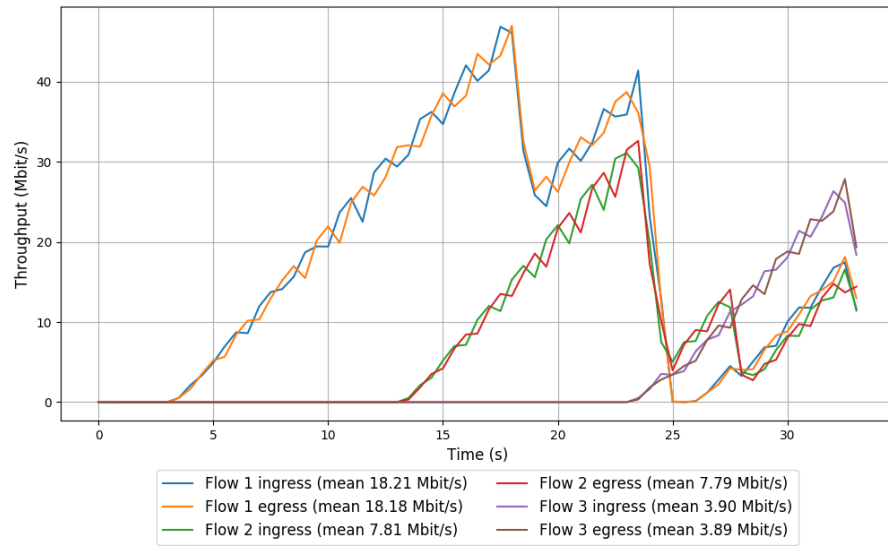
Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 53.258 ms

Loss rate: 0.25%



## Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:42:08 +0000

End at: Tue, 04 Jul 2017 20:42:38 +0000

Local clock offset: 0.803 ms

Remote clock offset: -2.196 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:10 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.85 Mbit/s

95th percentile per-packet one-way delay: 77.577 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 29.48 Mbit/s

95th percentile per-packet one-way delay: 75.954 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 15.34 Mbit/s

95th percentile per-packet one-way delay: 78.114 ms

Loss rate: 0.04%

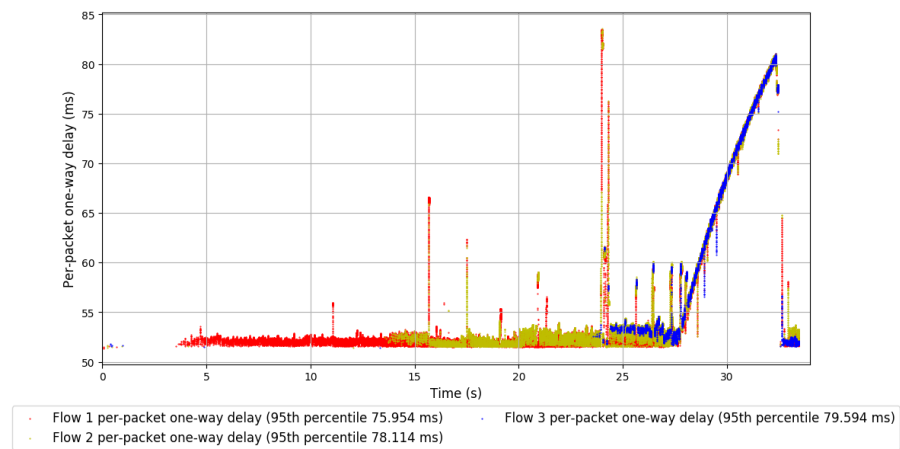
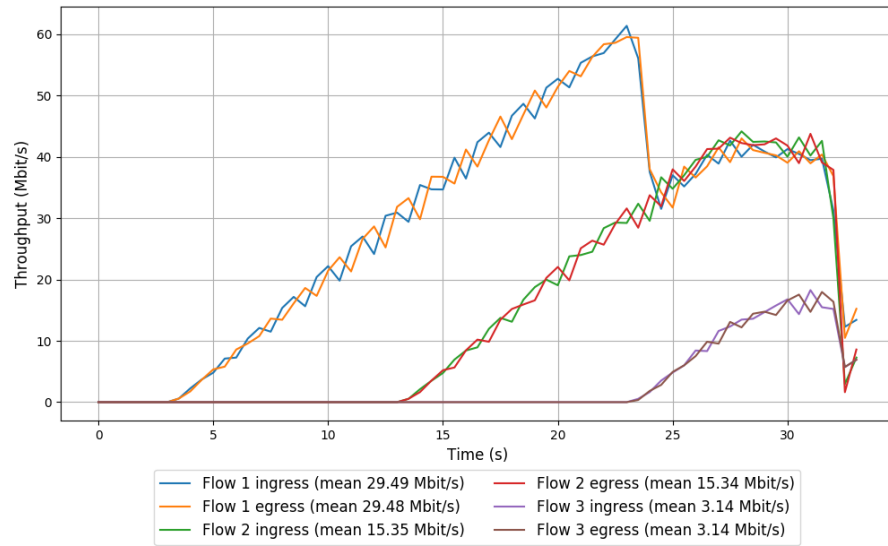
-- Flow 3:

Average throughput: 3.14 Mbit/s

95th percentile per-packet one-way delay: 79.594 ms

Loss rate: 0.05%

## Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:02:35 +0000

End at: Tue, 04 Jul 2017 21:03:05 +0000

Local clock offset: 0.563 ms

Remote clock offset: -4.705 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:10 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 17.12 Mbit/s

95th percentile per-packet one-way delay: 57.406 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 8.58 Mbit/s

95th percentile per-packet one-way delay: 57.248 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 6.42 Mbit/s

95th percentile per-packet one-way delay: 56.817 ms

Loss rate: 0.47%

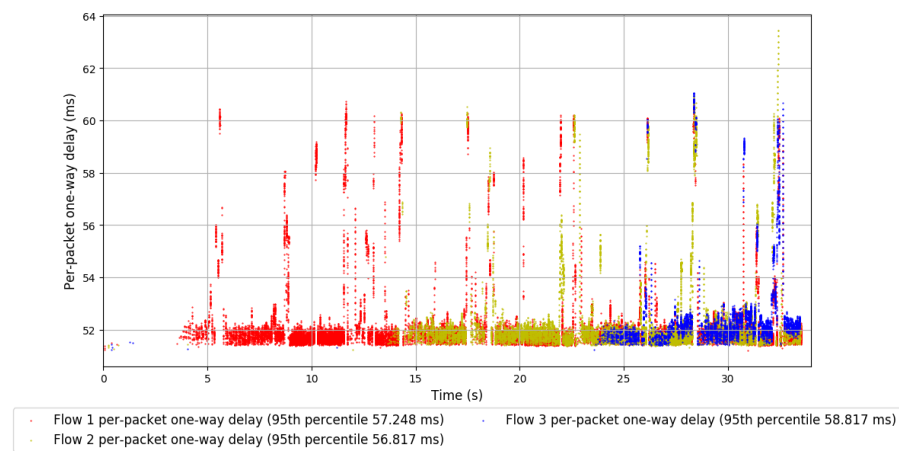
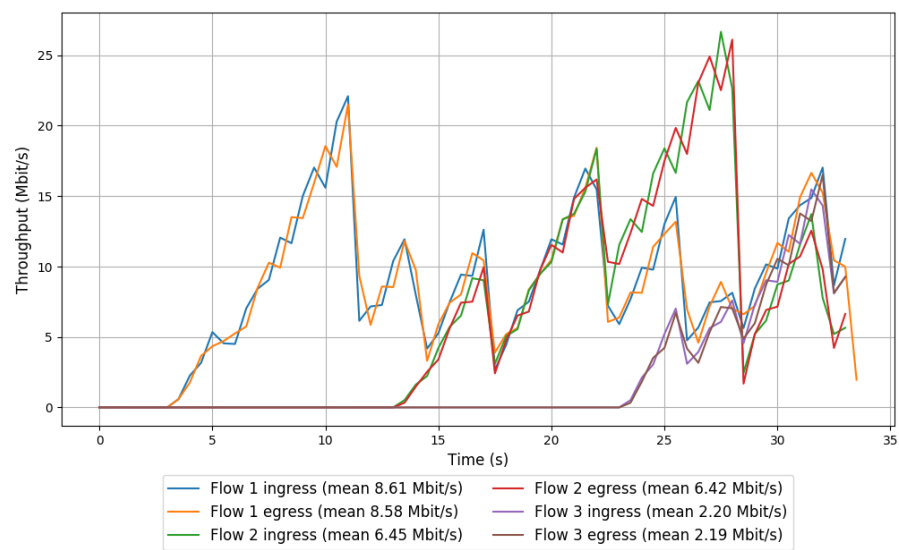
-- Flow 3:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 58.817 ms

Loss rate: 0.32%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:23:06 +0000

End at: Tue, 04 Jul 2017 21:23:36 +0000

Local clock offset: 0.356 ms

Remote clock offset: -1.777 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 29.36 Mbit/s

95th percentile per-packet one-way delay: 52.473 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 16.41 Mbit/s

95th percentile per-packet one-way delay: 52.531 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 8.89 Mbit/s

95th percentile per-packet one-way delay: 52.620 ms

Loss rate: 0.24%

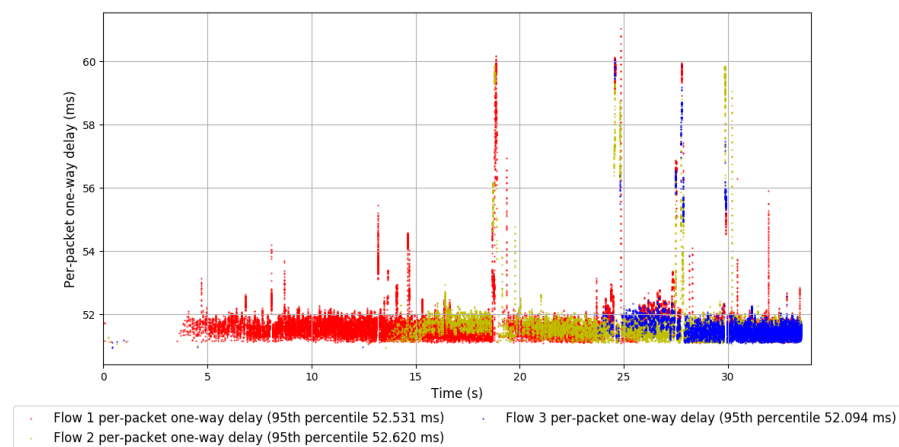
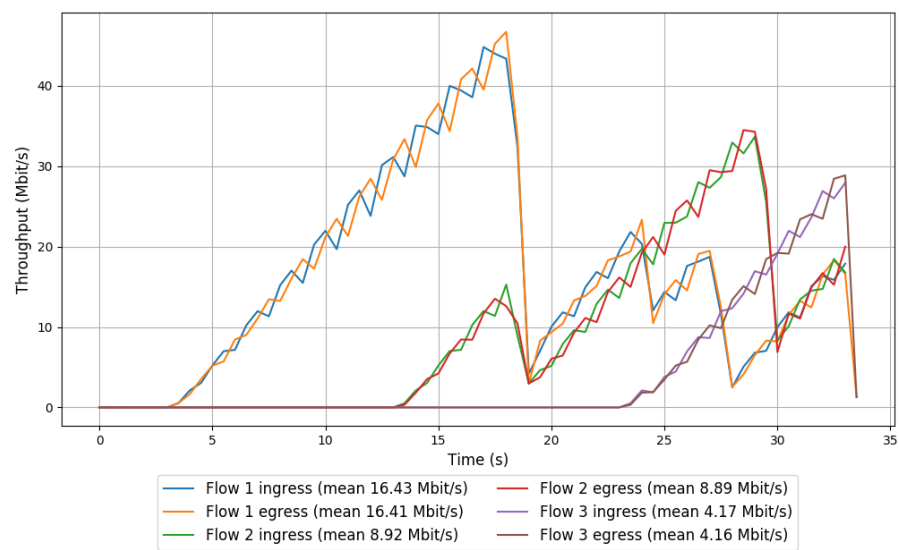
-- Flow 3:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 52.094 ms

Loss rate: 0.01%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:43:30 +0000

End at: Tue, 04 Jul 2017 21:44:00 +0000

Local clock offset: 0.27 ms

Remote clock offset: -4.138 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.09 Mbit/s

95th percentile per-packet one-way delay: 52.640 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 52.110 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 8.45 Mbit/s

95th percentile per-packet one-way delay: 52.783 ms

Loss rate: 0.22%

-- Flow 3:

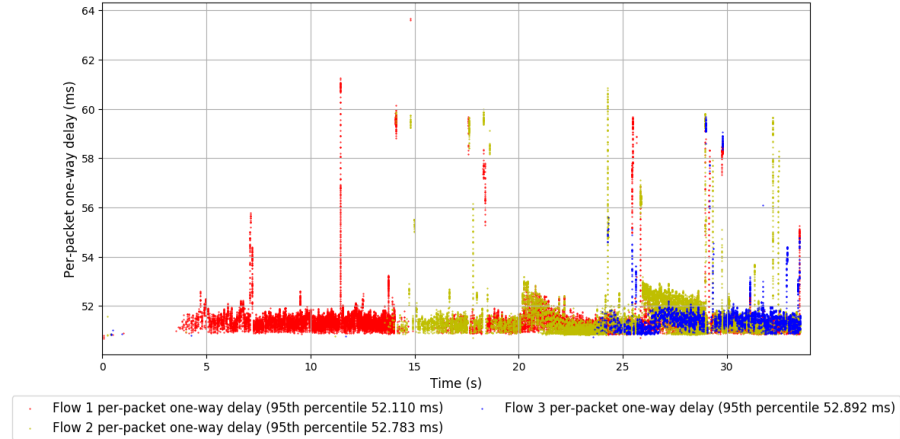
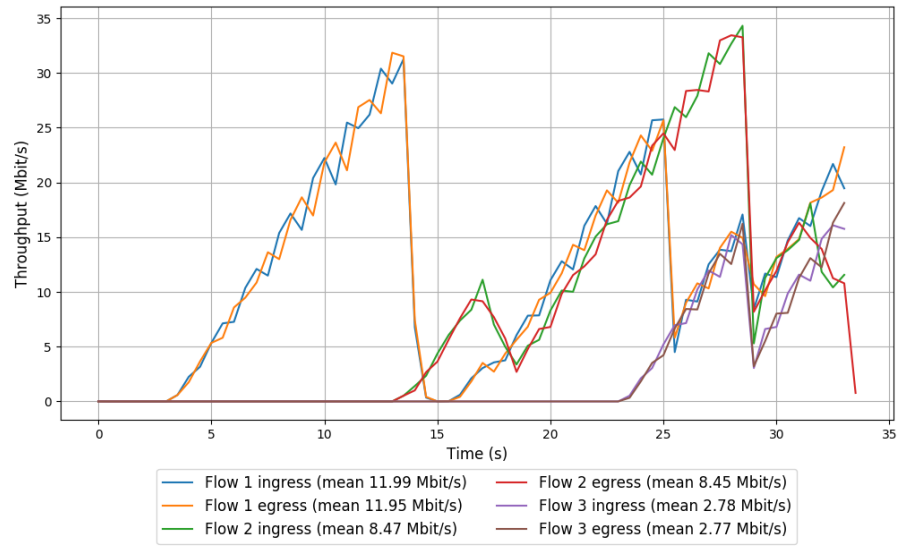
Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 52.892 ms

Loss rate: 0.27%



# Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Tue, 04 Jul 2017 18:41:40 +0000

End at: Tue, 04 Jul 2017 18:42:10 +0000

Local clock offset: 0.912 ms

Remote clock offset: -2.859 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.33 Mbit/s

95th percentile per-packet one-way delay: 87.086 ms

Loss rate: 4.37%

-- Flow 1:

Average throughput: 64.70 Mbit/s

95th percentile per-packet one-way delay: 86.304 ms

Loss rate: 3.93%

-- Flow 2:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 88.640 ms

Loss rate: 4.84%

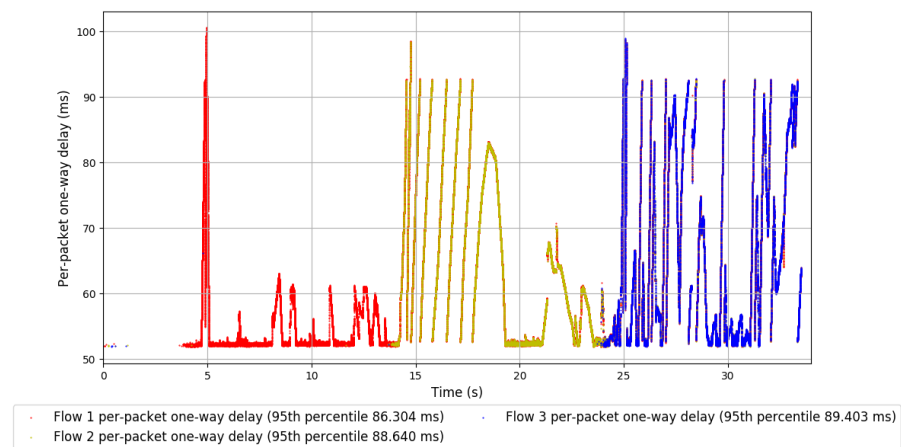
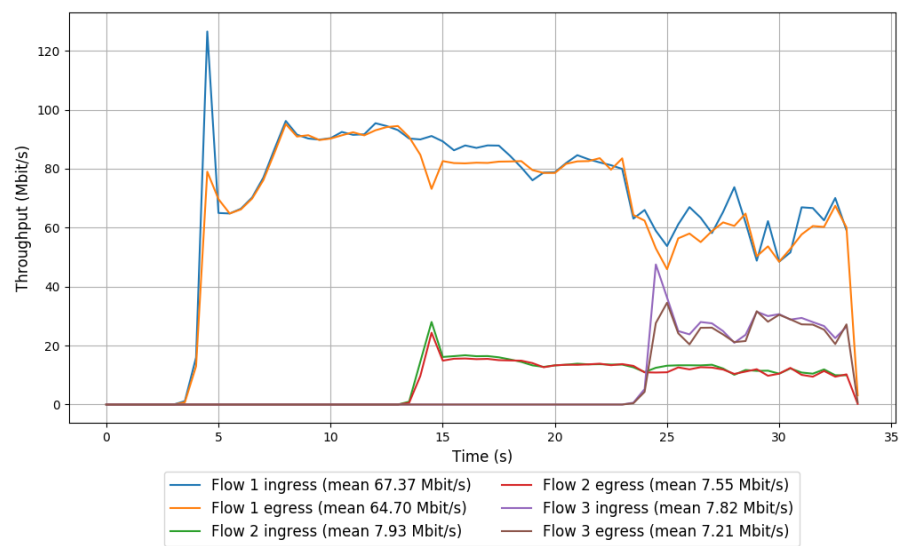
-- Flow 3:

Average throughput: 7.21 Mbit/s

95th percentile per-packet one-way delay: 89.403 ms

Loss rate: 7.73%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 04 Jul 2017 19:02:11 +0000

End at: Tue, 04 Jul 2017 19:02:41 +0000

Local clock offset: 0.94 ms

Remote clock offset: -2.647 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.99 Mbit/s

95th percentile per-packet one-way delay: 85.924 ms

Loss rate: 5.03%

-- Flow 1:

Average throughput: 67.57 Mbit/s

95th percentile per-packet one-way delay: 84.567 ms

Loss rate: 4.36%

-- Flow 2:

Average throughput: 5.31 Mbit/s

95th percentile per-packet one-way delay: 87.120 ms

Loss rate: 5.62%

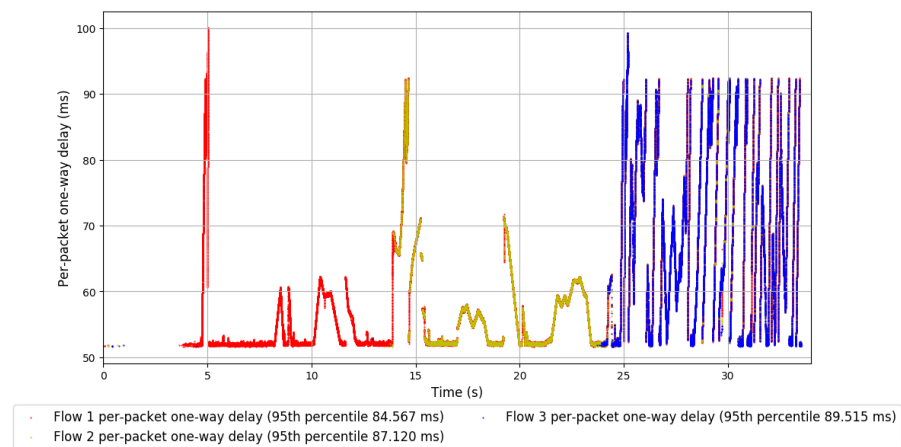
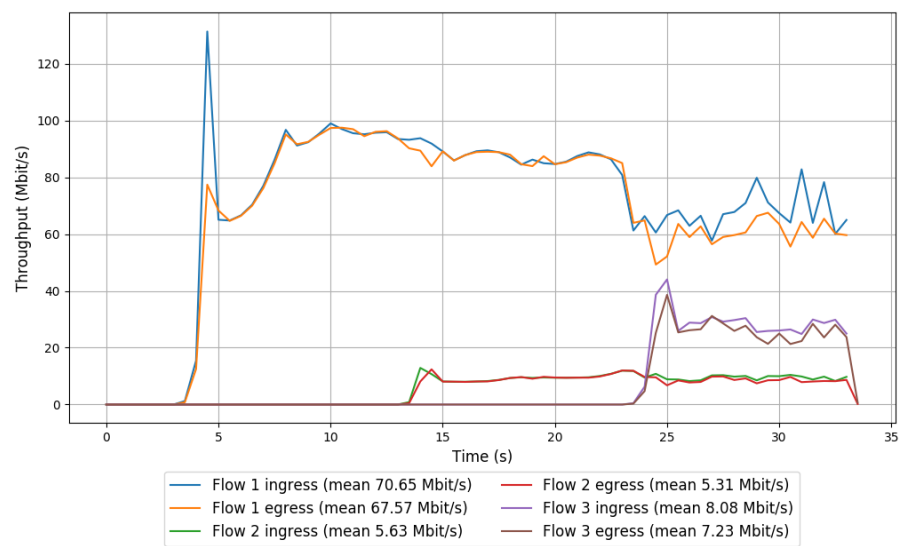
-- Flow 3:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 89.515 ms

Loss rate: 10.56%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Tue, 04 Jul 2017 19:22:46 +0000

End at: Tue, 04 Jul 2017 19:23:16 +0000

Local clock offset: 0.811 ms

Remote clock offset: -1.996 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:35 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.59 Mbit/s

95th percentile per-packet one-way delay: 86.603 ms

Loss rate: 3.81%

-- Flow 1:

Average throughput: 63.18 Mbit/s

95th percentile per-packet one-way delay: 86.477 ms

Loss rate: 3.80%

-- Flow 2:

Average throughput: 8.26 Mbit/s

95th percentile per-packet one-way delay: 88.175 ms

Loss rate: 4.66%

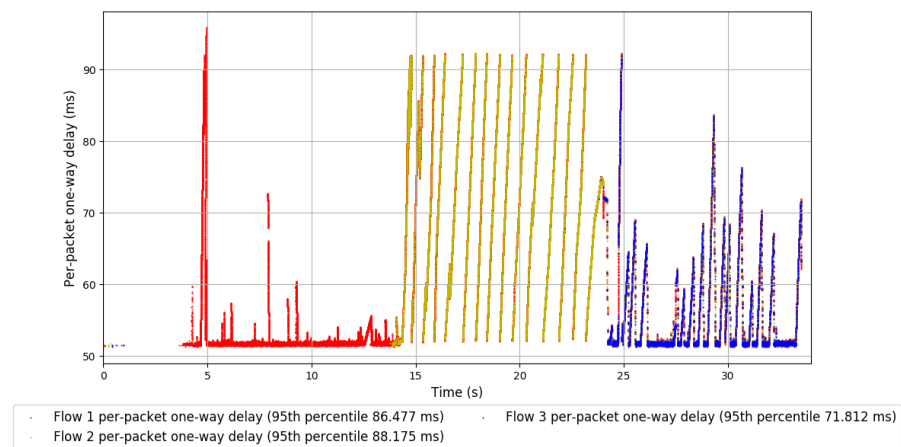
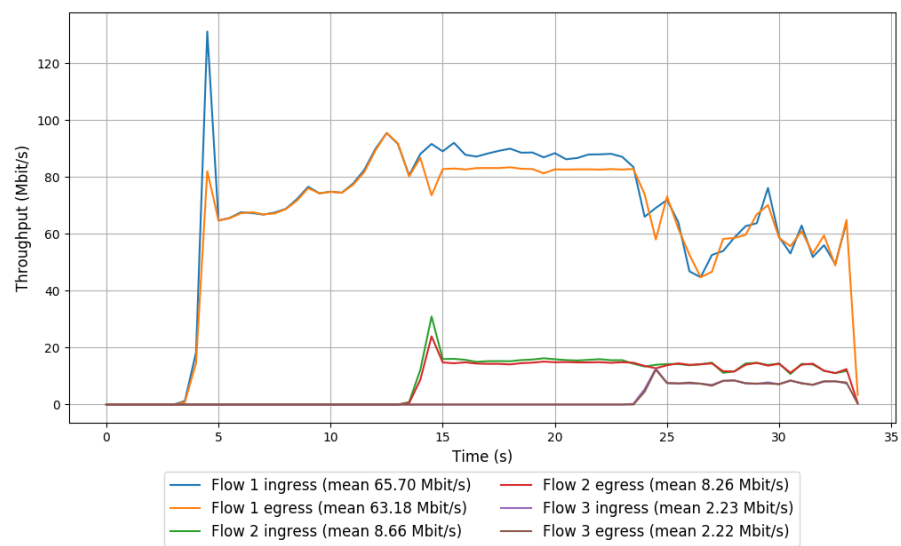
-- Flow 3:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 71.812 ms

Loss rate: 0.62%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 04 Jul 2017 19:43:20 +0000

End at: Tue, 04 Jul 2017 19:43:50 +0000

Local clock offset: 0.804 ms

Remote clock offset: -2.313 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.74 Mbit/s

95th percentile per-packet one-way delay: 81.162 ms

Loss rate: 1.53%

-- Flow 1:

Average throughput: 67.71 Mbit/s

95th percentile per-packet one-way delay: 81.417 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 5.52 Mbit/s

95th percentile per-packet one-way delay: 81.946 ms

Loss rate: 1.06%

-- Flow 3:

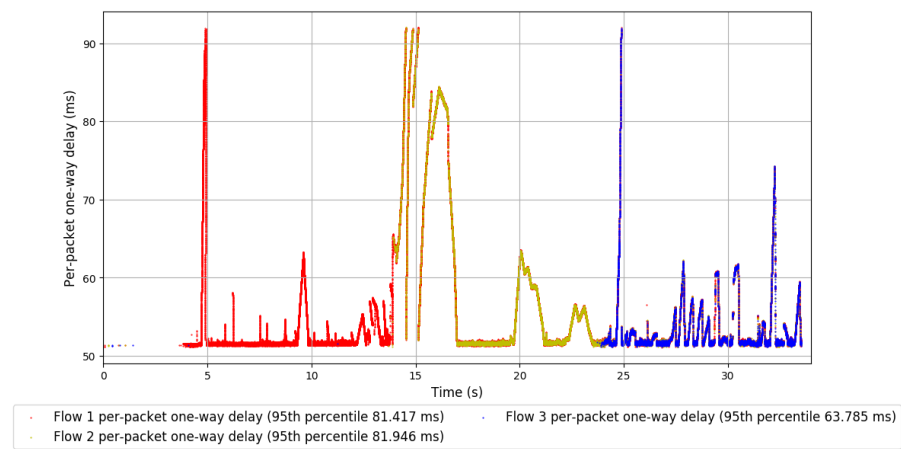
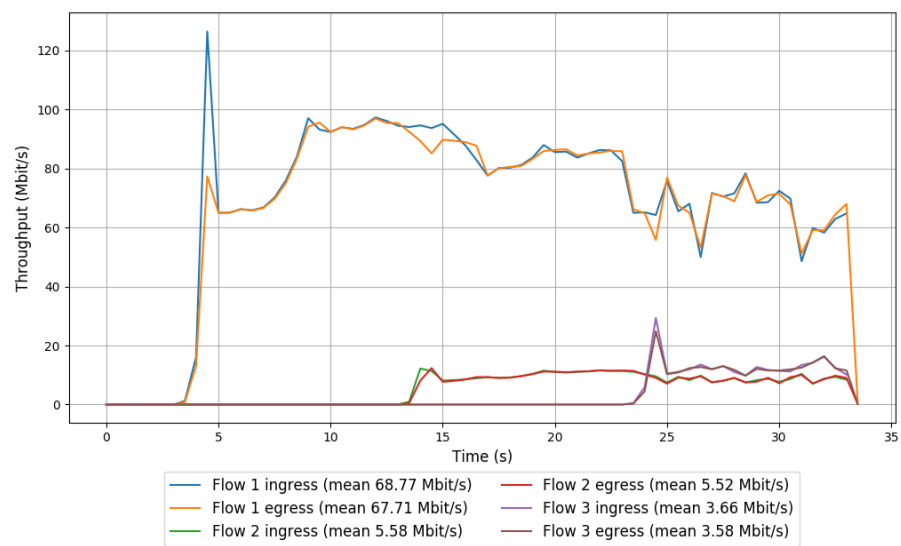
Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: 63.785 ms

Loss rate: 2.17%



Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Tue, 04 Jul 2017 20:03:53 +0000

End at: Tue, 04 Jul 2017 20:04:23 +0000

Local clock offset: 0.801 ms

Remote clock offset: -4.341 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:47 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 72.24 Mbit/s

95th percentile per-packet one-way delay: 74.595 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 60.92 Mbit/s

95th percentile per-packet one-way delay: 74.574 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 9.28 Mbit/s

95th percentile per-packet one-way delay: 75.392 ms

Loss rate: 1.05%

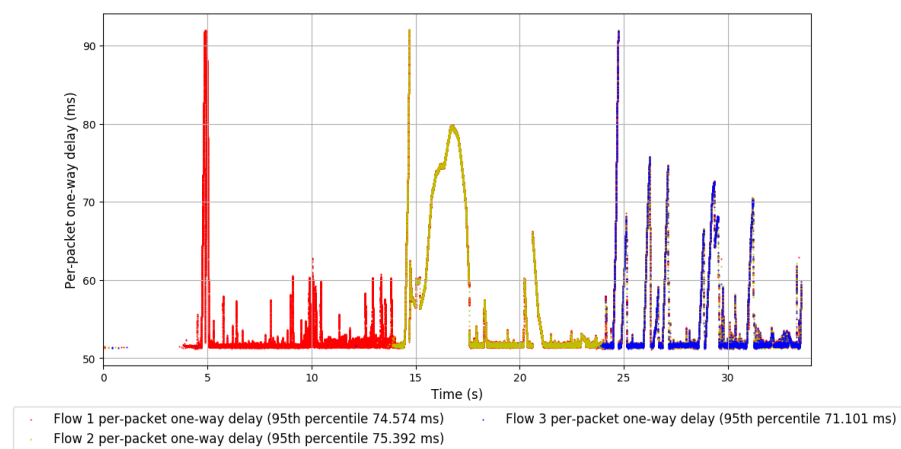
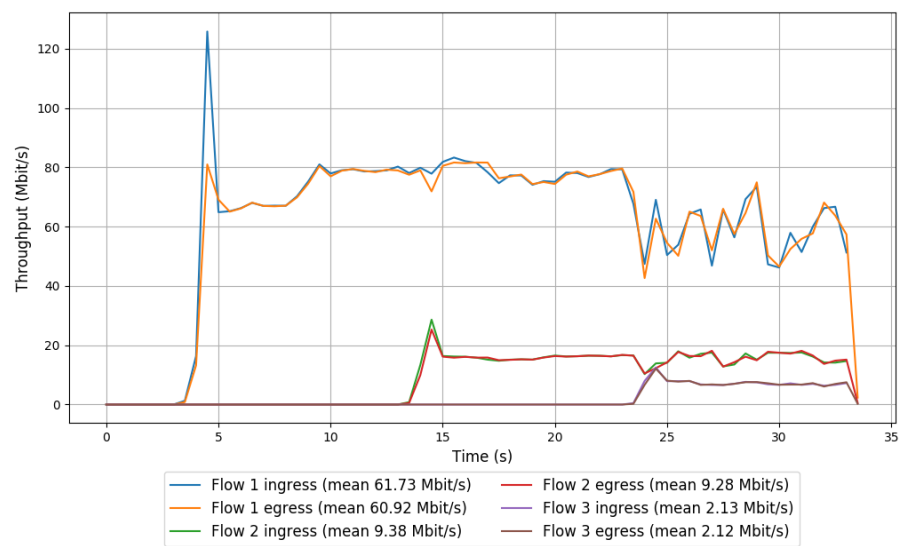
-- Flow 3:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 71.101 ms

Loss rate: 0.69%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Tue, 04 Jul 2017 20:24:24 +0000

End at: Tue, 04 Jul 2017 20:24:54 +0000

Local clock offset: 0.856 ms

Remote clock offset: -4.614 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 62.89 Mbit/s

95th percentile per-packet one-way delay: 70.651 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 41.89 Mbit/s

95th percentile per-packet one-way delay: 70.497 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 17.13 Mbit/s

95th percentile per-packet one-way delay: 71.345 ms

Loss rate: 1.42%

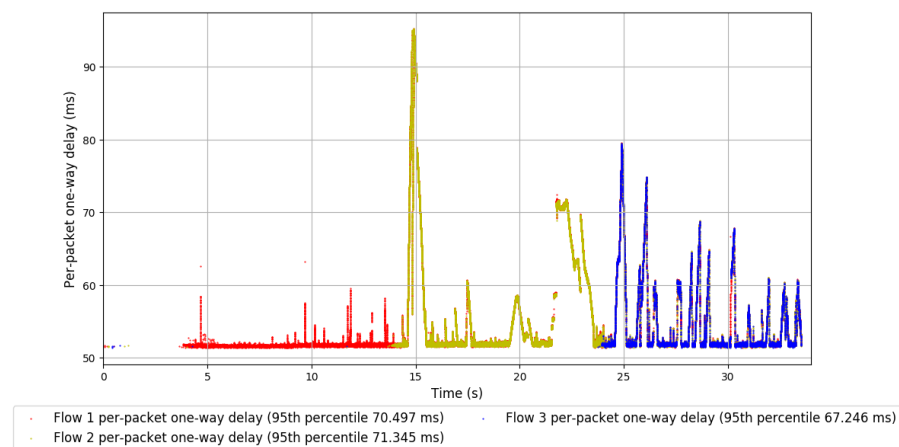
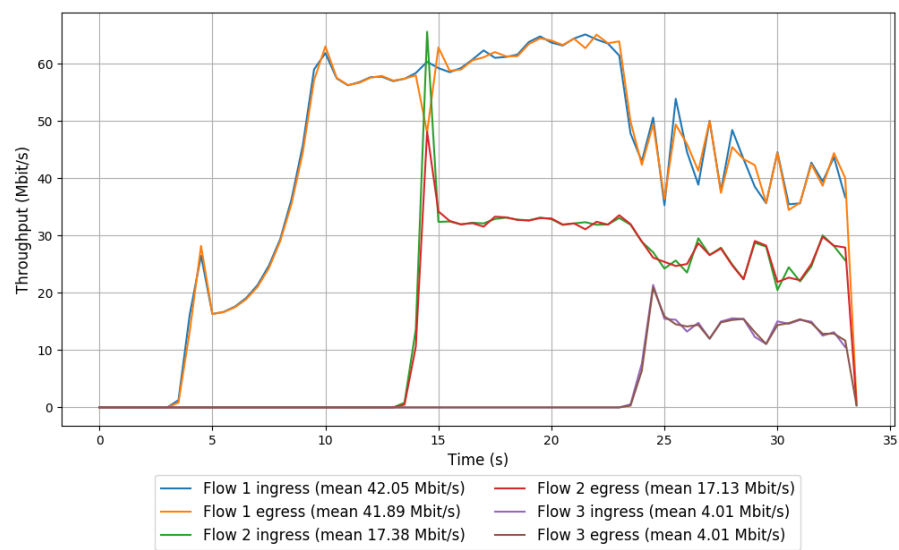
-- Flow 3:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 67.246 ms

Loss rate: 0.20%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Tue, 04 Jul 2017 20:44:51 +0000

End at: Tue, 04 Jul 2017 20:45:21 +0000

Local clock offset: 0.699 ms

Remote clock offset: -2.565 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:18:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 70.86 Mbit/s

95th percentile per-packet one-way delay: 75.286 ms

Loss rate: 1.30%

-- Flow 1:

Average throughput: 62.80 Mbit/s

95th percentile per-packet one-way delay: 75.281 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 4.45 Mbit/s

95th percentile per-packet one-way delay: 77.184 ms

Loss rate: 1.66%

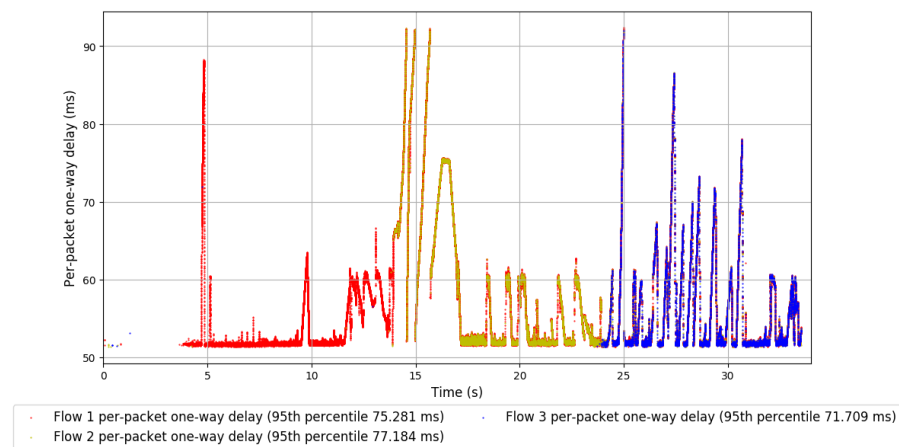
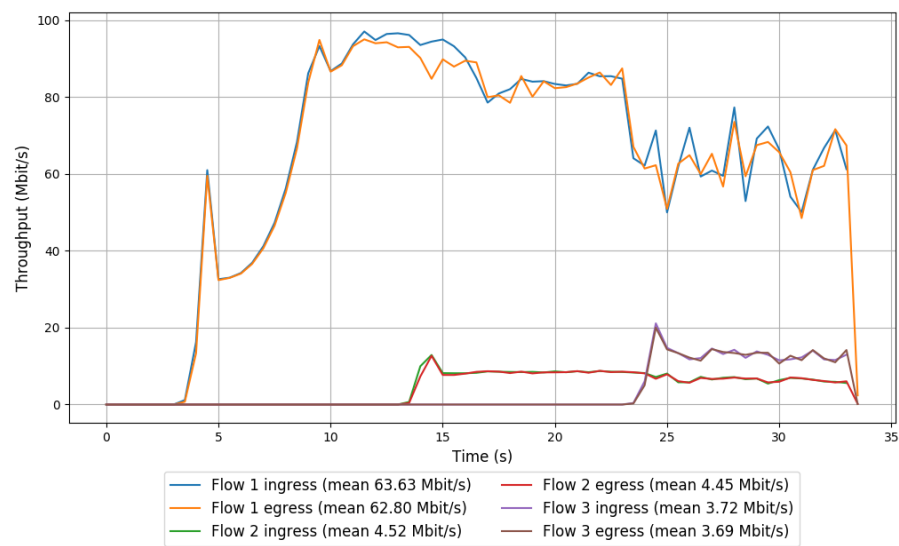
-- Flow 3:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 71.709 ms

Loss rate: 0.75%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Tue, 04 Jul 2017 21:05:21 +0000

End at: Tue, 04 Jul 2017 21:05:51 +0000

Local clock offset: 0.529 ms

Remote clock offset: -2.272 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 55.10 Mbit/s

95th percentile per-packet one-way delay: 59.826 ms

Loss rate: 1.07%

-- Flow 1:

Average throughput: 32.01 Mbit/s

95th percentile per-packet one-way delay: 59.746 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 19.26 Mbit/s

95th percentile per-packet one-way delay: 59.923 ms

Loss rate: 1.44%

-- Flow 3:

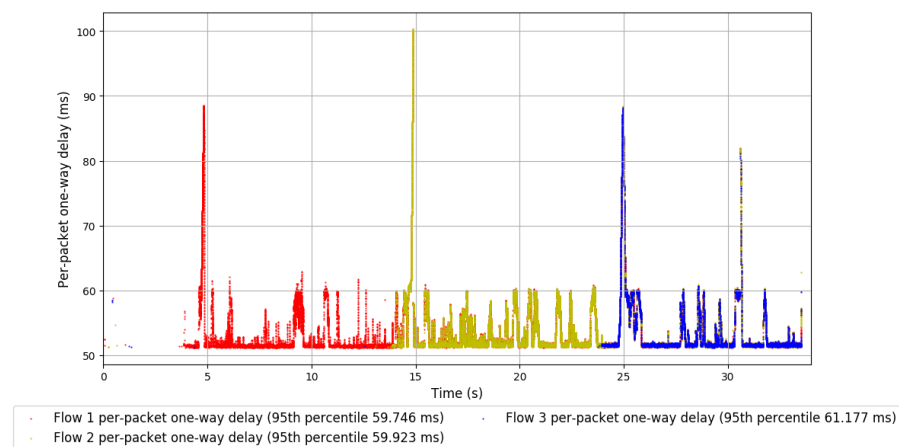
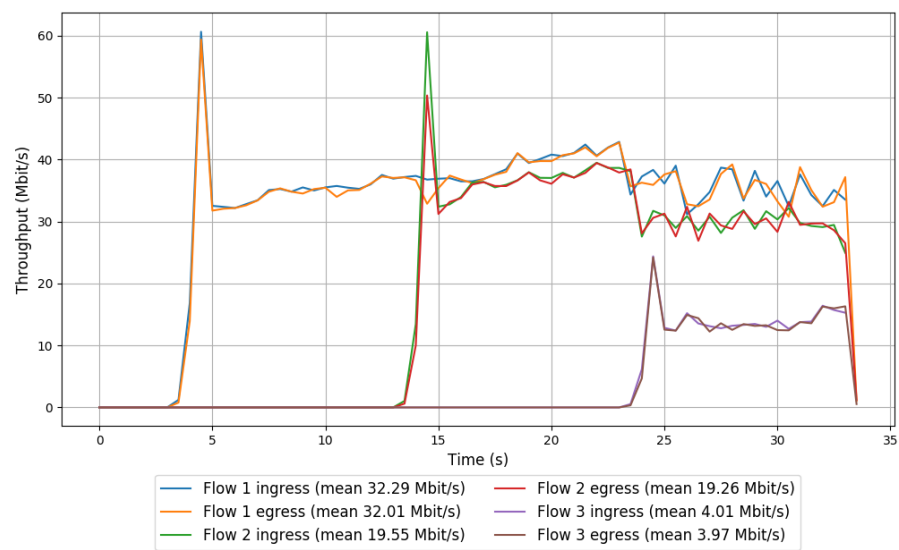
Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 61.177 ms

Loss rate: 0.98%



Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Tue, 04 Jul 2017 21:25:49 +0000

End at: Tue, 04 Jul 2017 21:26:19 +0000

Local clock offset: 0.278 ms

Remote clock offset: -4.631 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.00 Mbit/s

95th percentile per-packet one-way delay: 76.170 ms

Loss rate: 1.76%

-- Flow 1:

Average throughput: 66.48 Mbit/s

95th percentile per-packet one-way delay: 76.113 ms

Loss rate: 1.83%

-- Flow 2:

Average throughput: 4.55 Mbit/s

95th percentile per-packet one-way delay: 78.122 ms

Loss rate: 1.39%

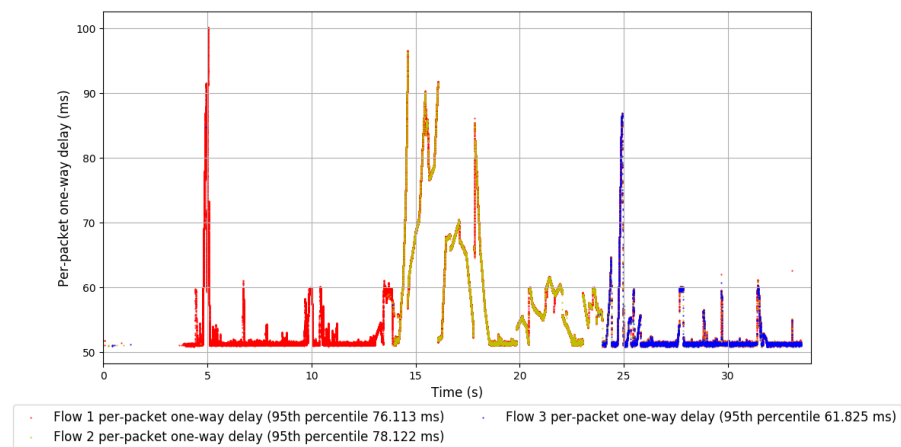
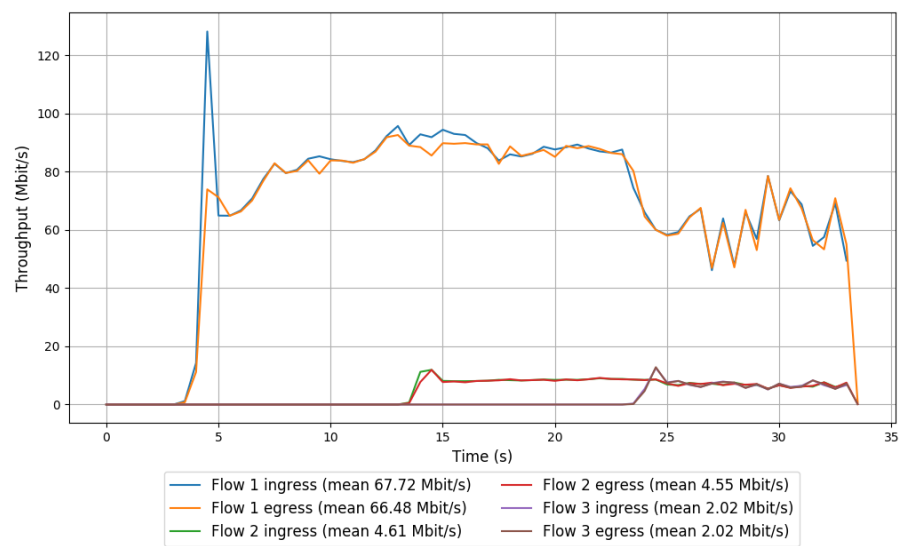
-- Flow 3:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 61.825 ms

Loss rate: 0.23%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Tue, 04 Jul 2017 21:46:12 +0000

End at: Tue, 04 Jul 2017 21:46:42 +0000

Local clock offset: 0.184 ms

Remote clock offset: -2.057 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.68 Mbit/s

95th percentile per-packet one-way delay: 78.938 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 67.45 Mbit/s

95th percentile per-packet one-way delay: 78.881 ms

Loss rate: 1.63%

-- Flow 2:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 79.358 ms

Loss rate: 0.71%

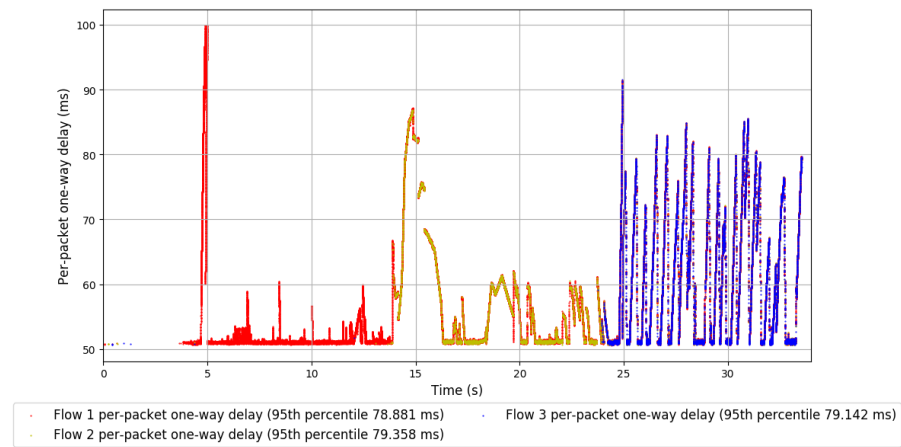
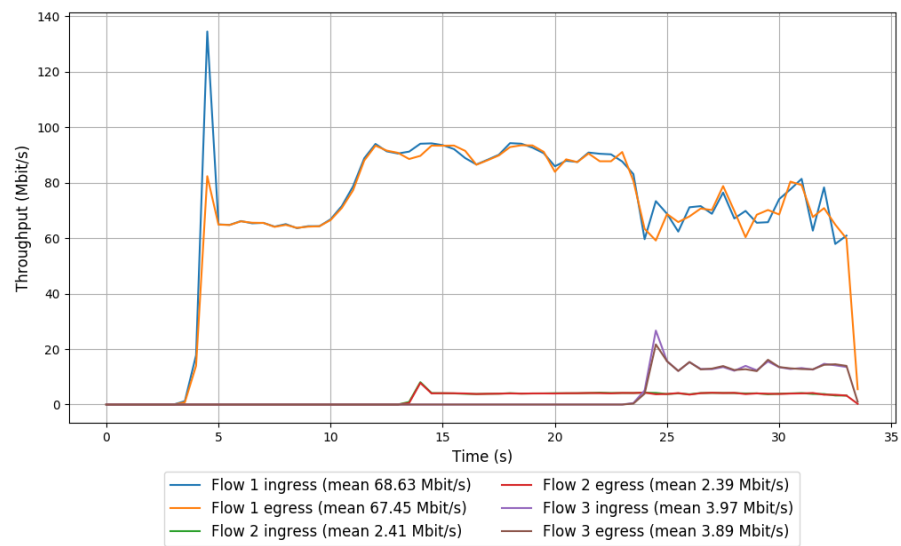
-- Flow 3:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 79.142 ms

Loss rate: 1.94%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 18:54:01 +0000

End at: Tue, 04 Jul 2017 18:54:31 +0000

Local clock offset: 0.86 ms

Remote clock offset: -2.462 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.043 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.065 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.015 ms

Loss rate: 0.00%

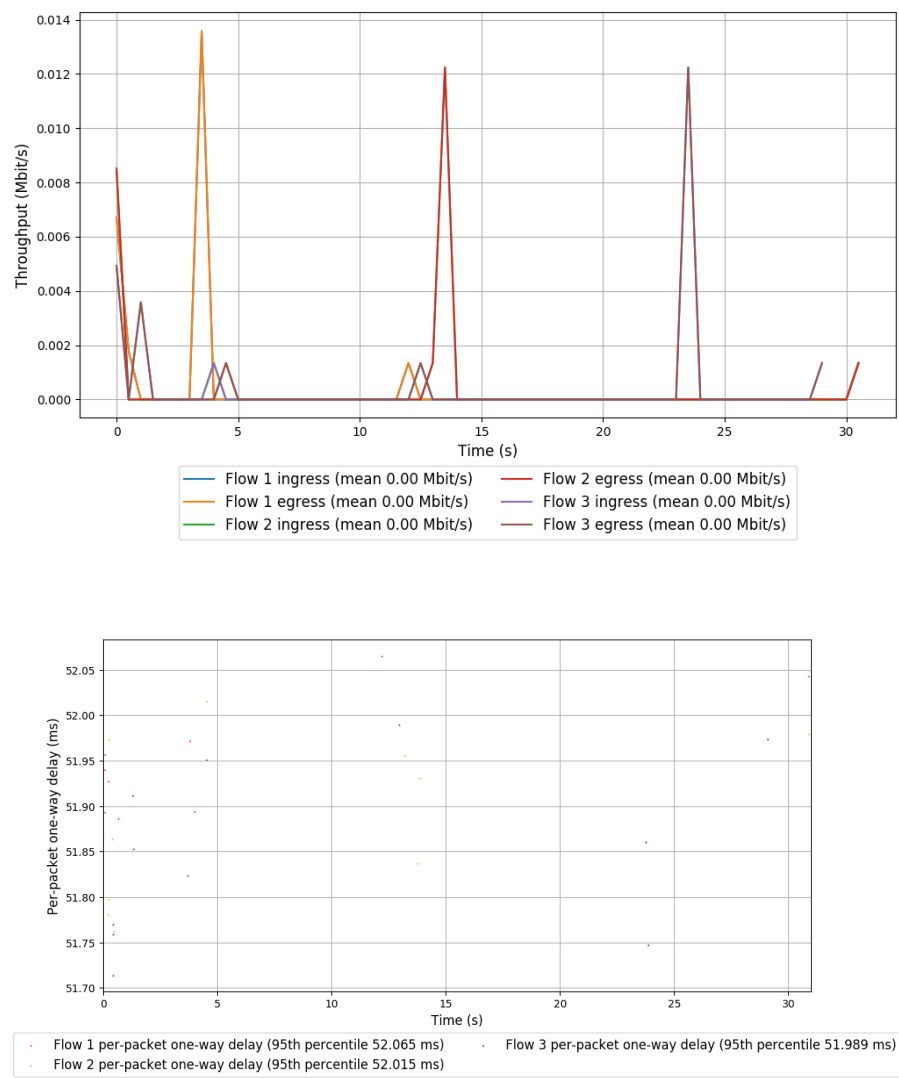
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.989 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 19:14:37 +0000

End at: Tue, 04 Jul 2017 19:15:07 +0000

Local clock offset: 0.808 ms

Remote clock offset: -4.078 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.702 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.931 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.610 ms

Loss rate: 0.00%

-- Flow 3:

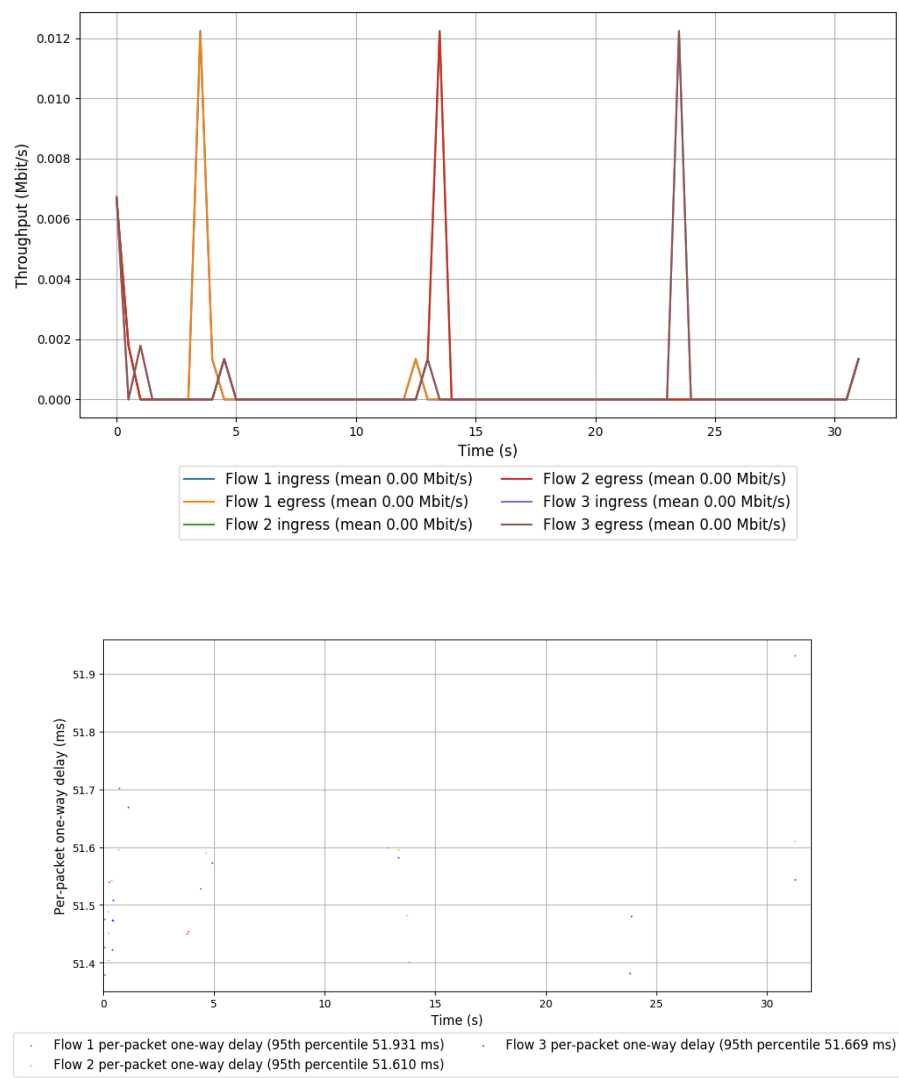
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.669 ms

Loss rate: 0.00%



Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 19:35:05 +0000

End at: Tue, 04 Jul 2017 19:35:35 +0000

Local clock offset: 0.883 ms

Remote clock offset: -2.352 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.692 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.692 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.028 ms

Loss rate: 0.00%

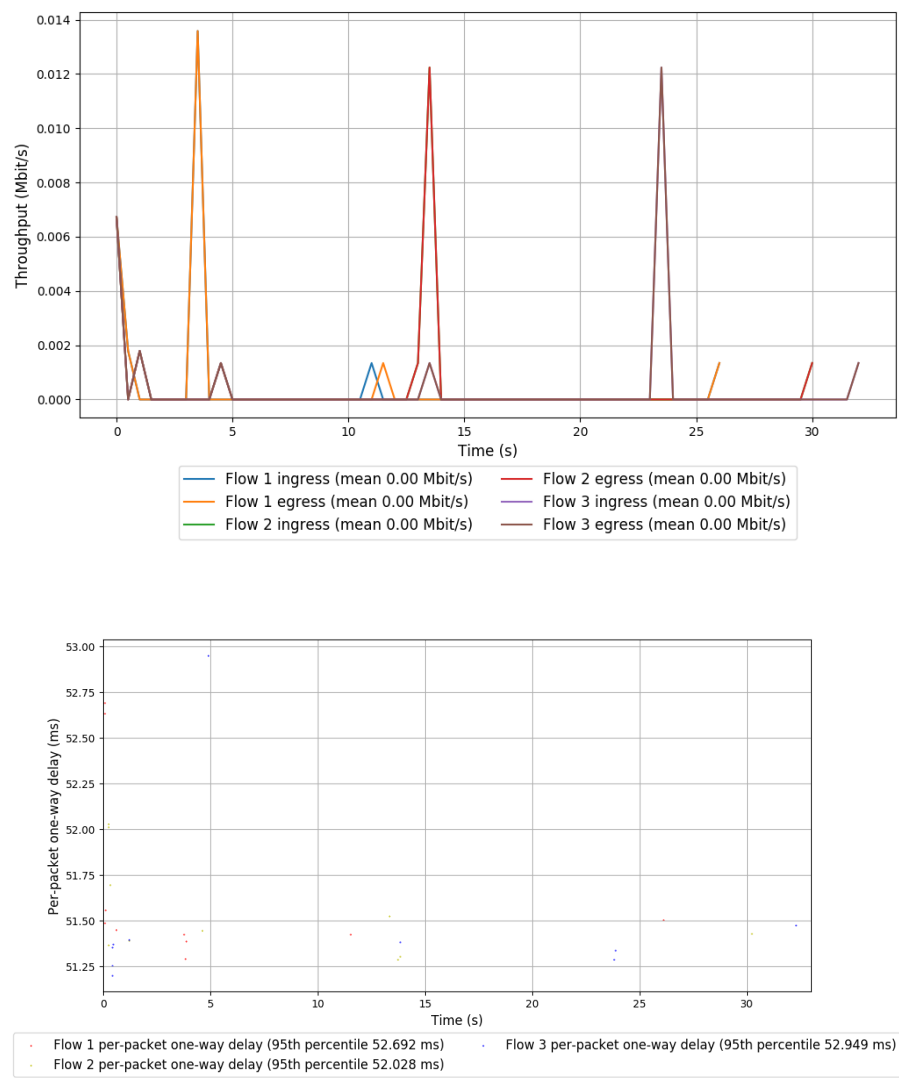
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.949 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 19:55:42 +0000

End at: Tue, 04 Jul 2017 19:56:12 +0000

Local clock offset: 0.923 ms

Remote clock offset: -3.941 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.695 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.680 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.761 ms

Loss rate: 0.00%

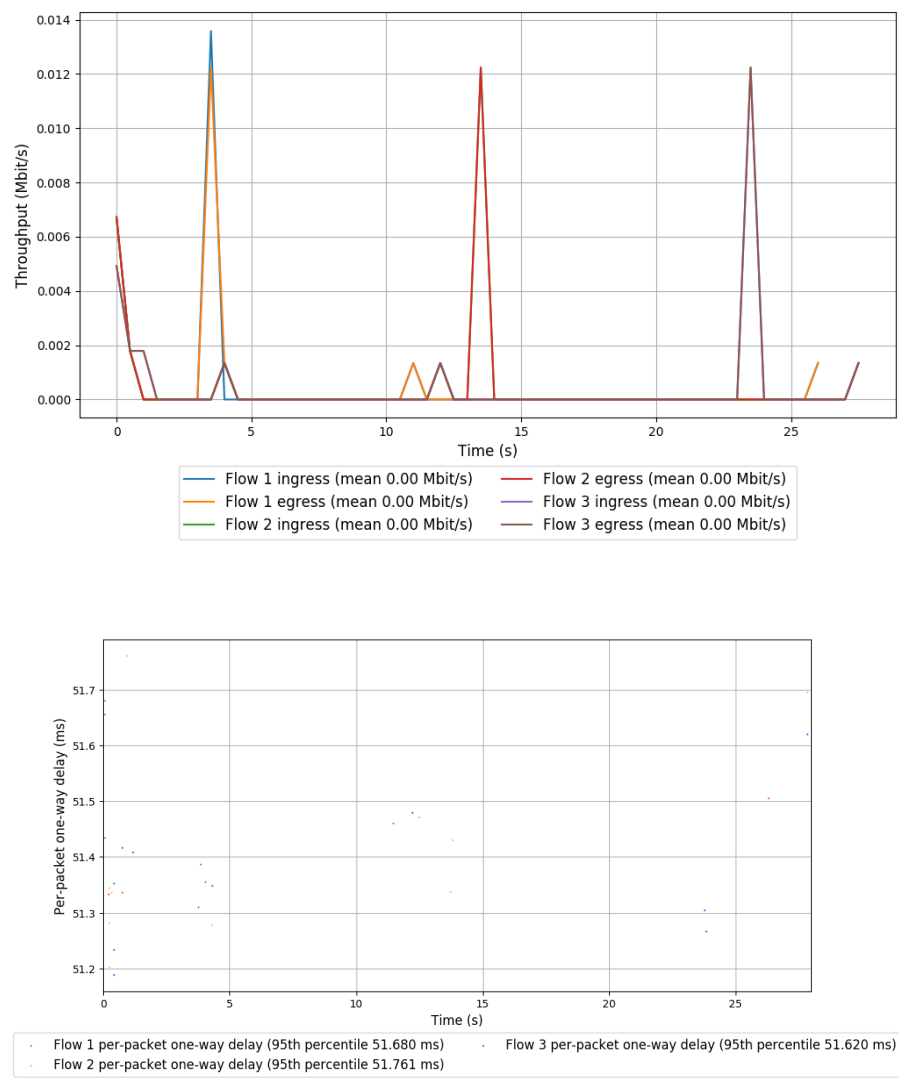
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.620 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 20:16:17 +0000

End at: Tue, 04 Jul 2017 20:16:47 +0000

Local clock offset: 0.859 ms

Remote clock offset: -1.615 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.293 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.658 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 53.518 ms

Loss rate: 0.00%

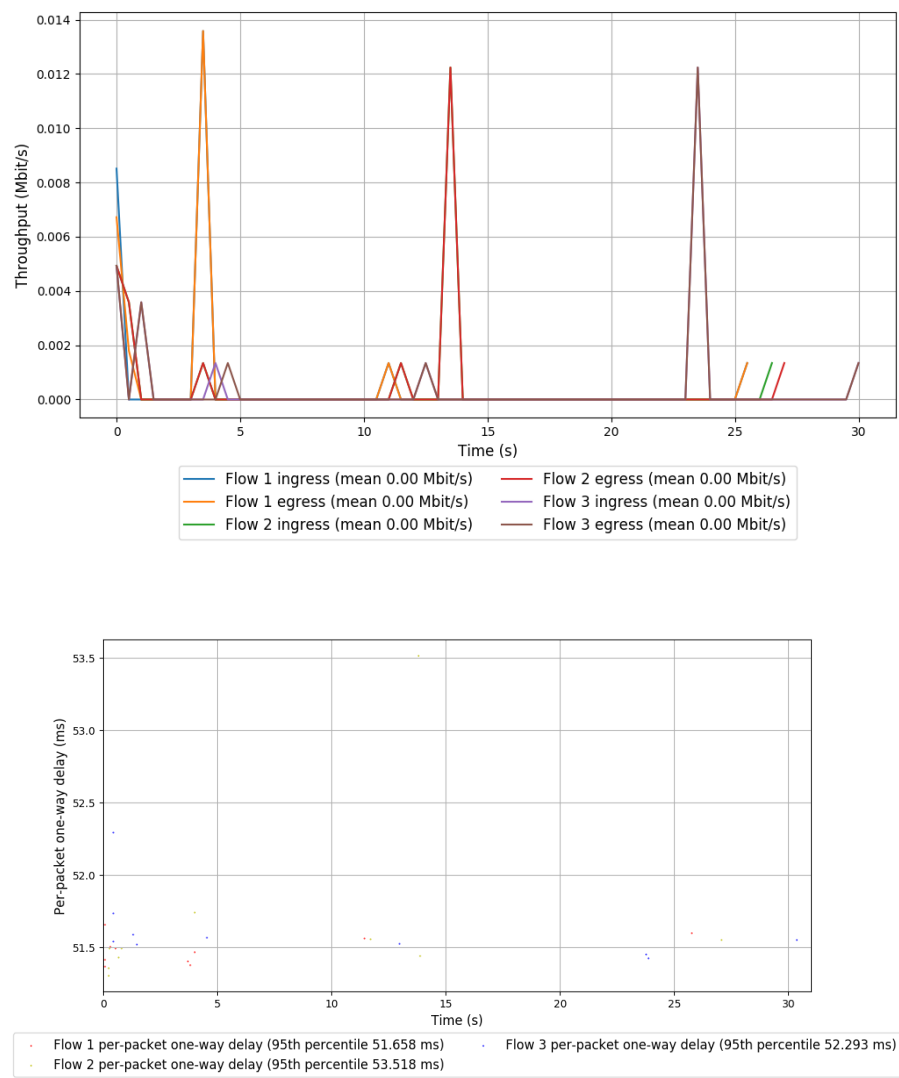
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.293 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 20:36:40 +0000

End at: Tue, 04 Jul 2017 20:37:10 +0000

Local clock offset: 0.822 ms

Remote clock offset: -4.349 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.925 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.992 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.019 ms

Loss rate: 0.00%

-- Flow 3:

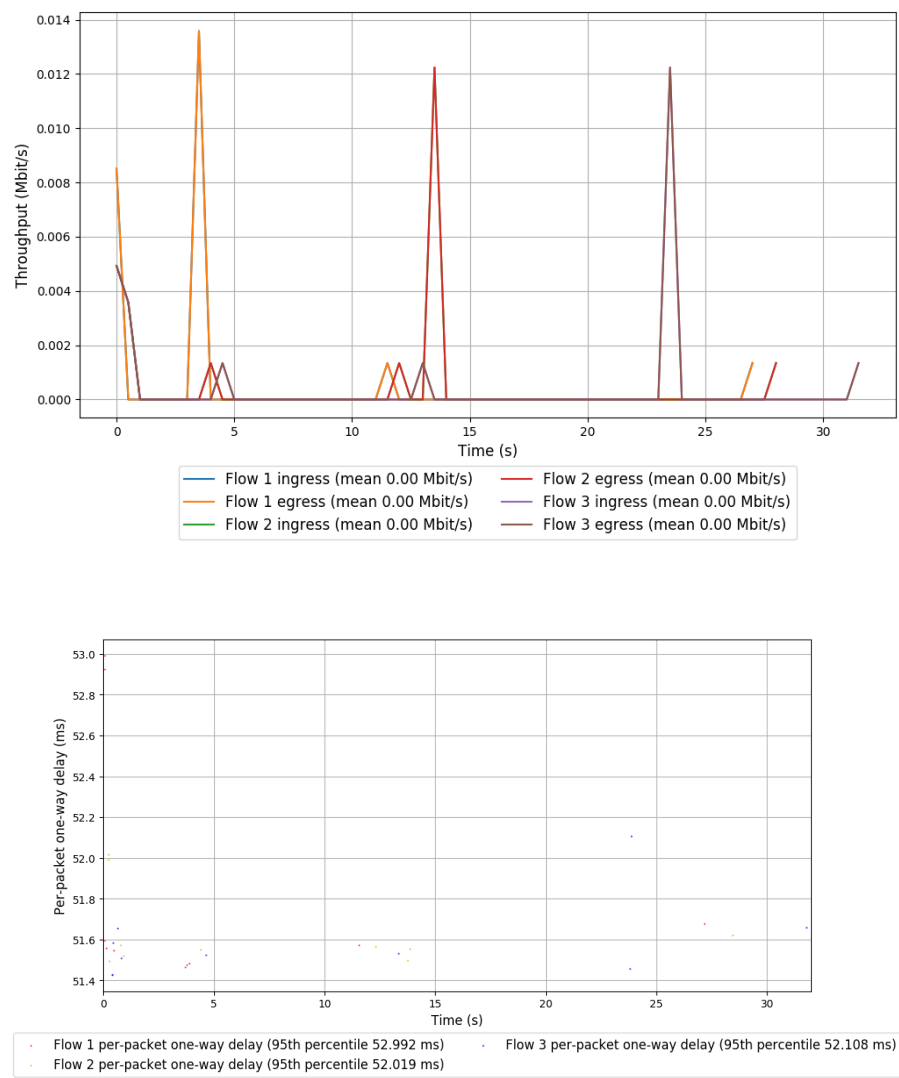
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.108 ms

Loss rate: 0.00%



Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 20:57:08 +0000

End at: Tue, 04 Jul 2017 20:57:38 +0000

Local clock offset: 0.64 ms

Remote clock offset: -1.761 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.126 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.886 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 52.601 ms

Loss rate: 0.00%

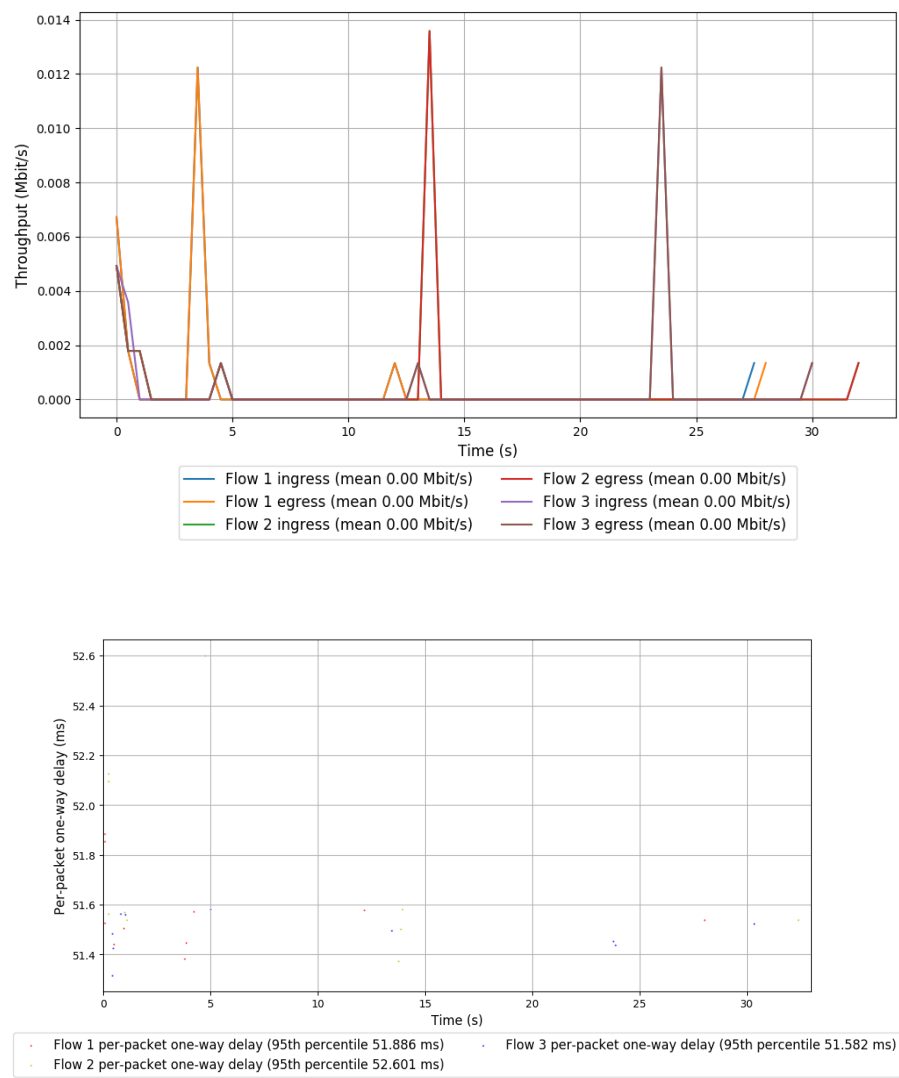
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.582 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 21:17:38 +0000

End at: Tue, 04 Jul 2017 21:18:08 +0000

Local clock offset: 0.349 ms

Remote clock offset: -2.232 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.179 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 58.434 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 54.179 ms

Loss rate: 0.00%

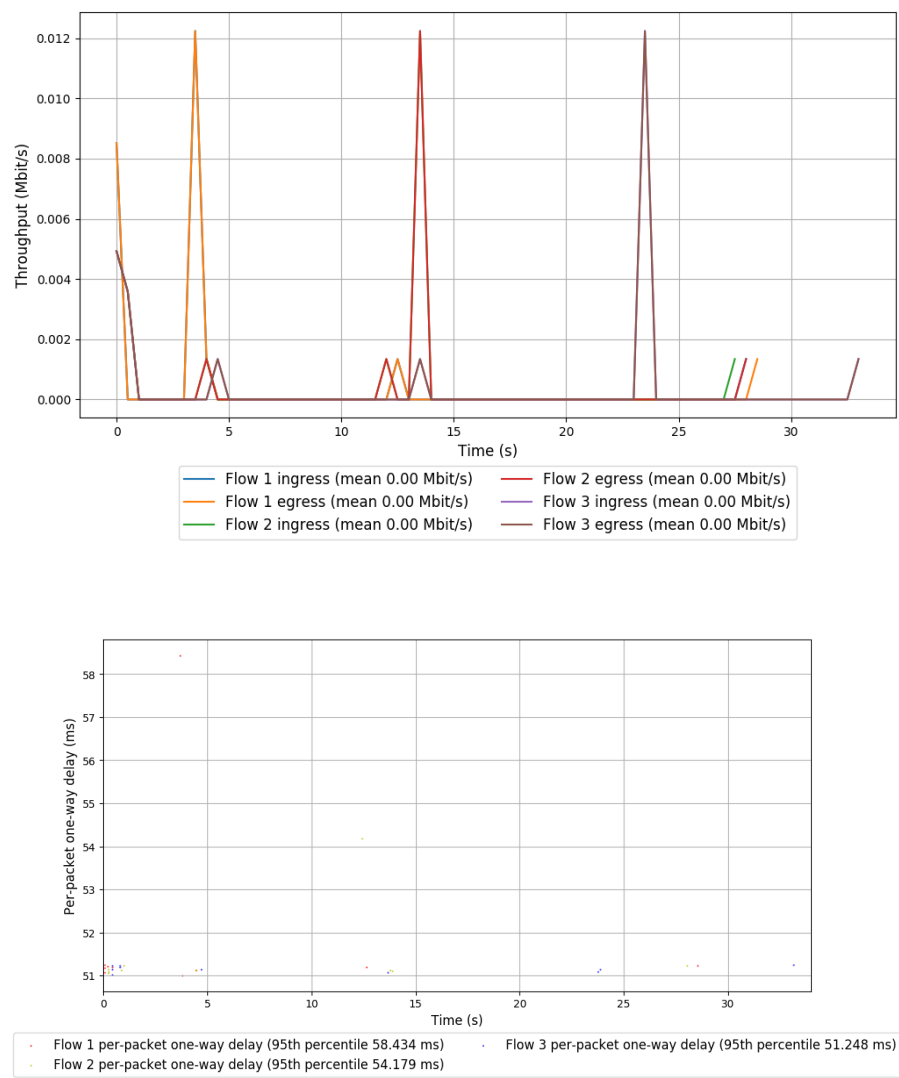
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.248 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 21:38:05 +0000

End at: Tue, 04 Jul 2017 21:38:35 +0000

Local clock offset: 0.277 ms

Remote clock offset: -2.034 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 57.297 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.859 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 57.734 ms

Loss rate: 0.00%

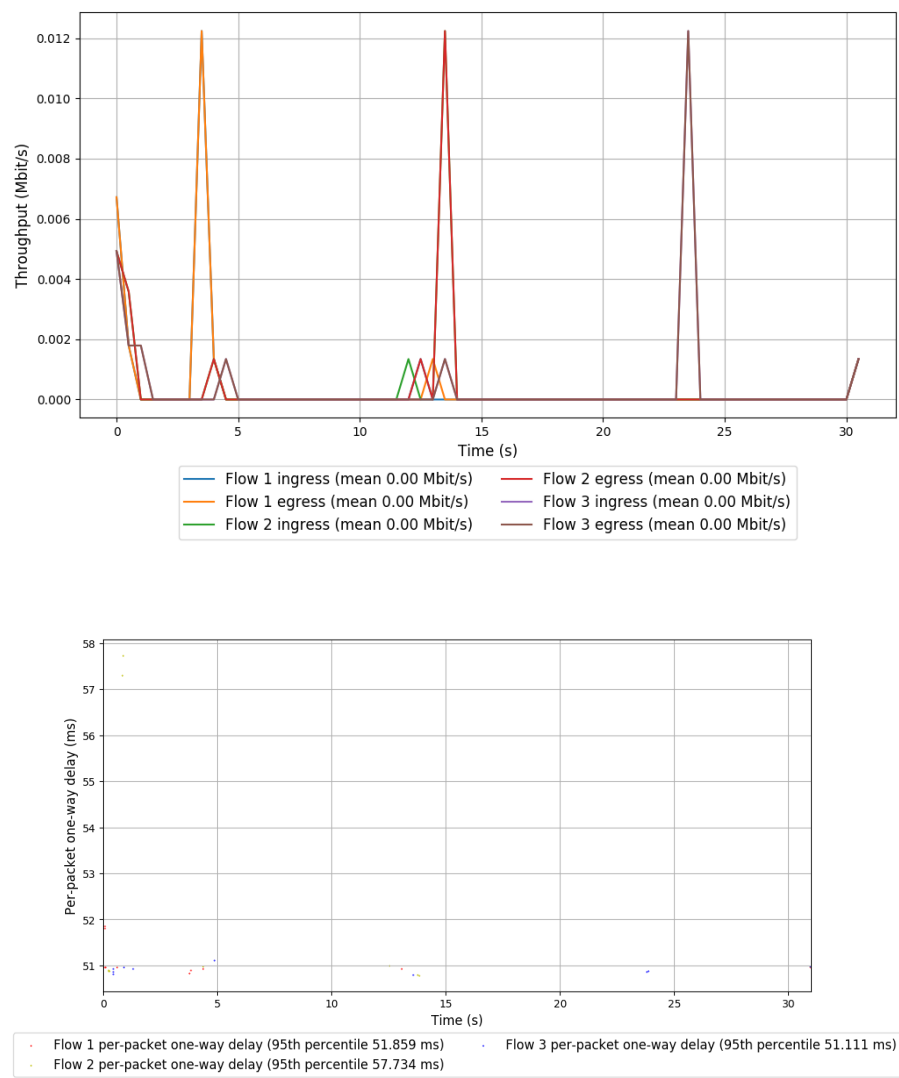
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.111 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 21:58:29 +0000

End at: Tue, 04 Jul 2017 21:58:59 +0000

Local clock offset: 0.119 ms

Remote clock offset: -1.917 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.548 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 51.587 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.839 ms

Loss rate: 0.00%

-- Flow 3:

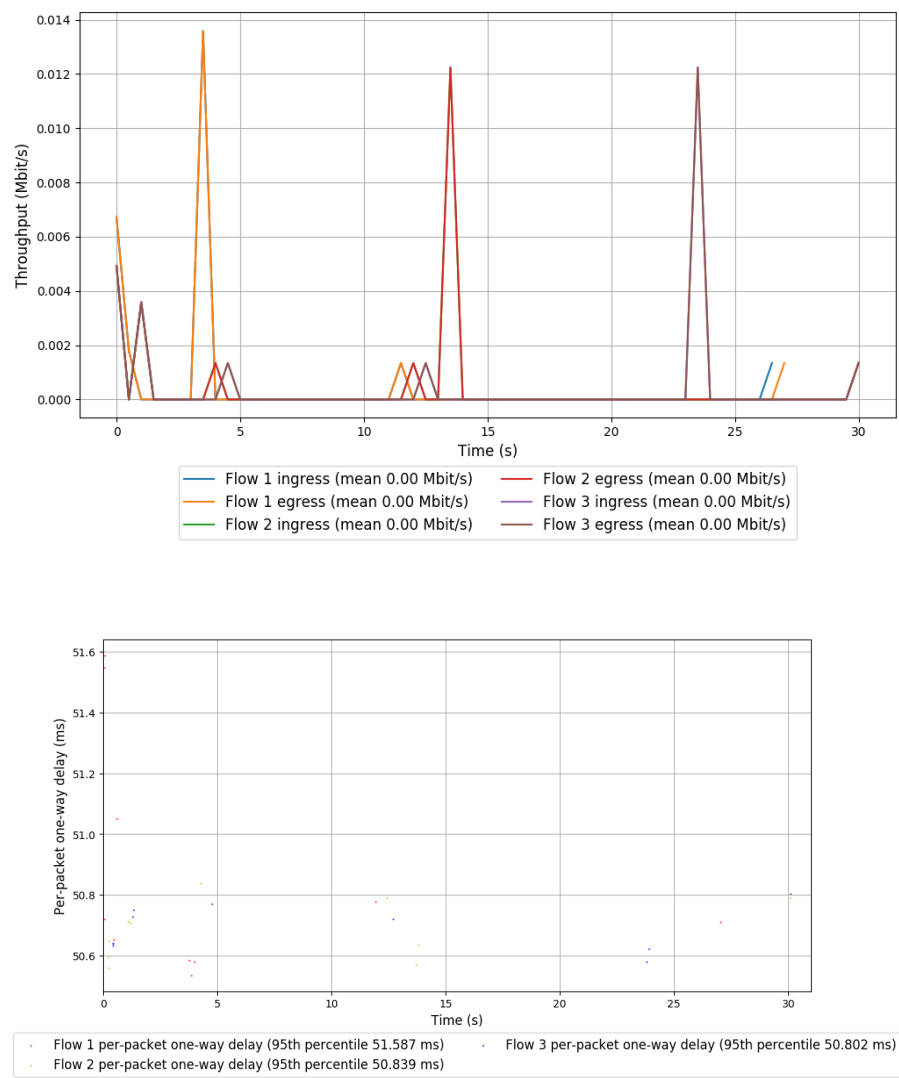
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 50.802 ms

Loss rate: 0.00%



Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Tue, 04 Jul 2017 18:40:17 +0000

End at: Tue, 04 Jul 2017 18:40:47 +0000

Local clock offset: 0.833 ms

Remote clock offset: -3.048 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.95 Mbit/s

95th percentile per-packet one-way delay: 57.572 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 56.672 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 16.16 Mbit/s

95th percentile per-packet one-way delay: 58.258 ms

Loss rate: 0.31%

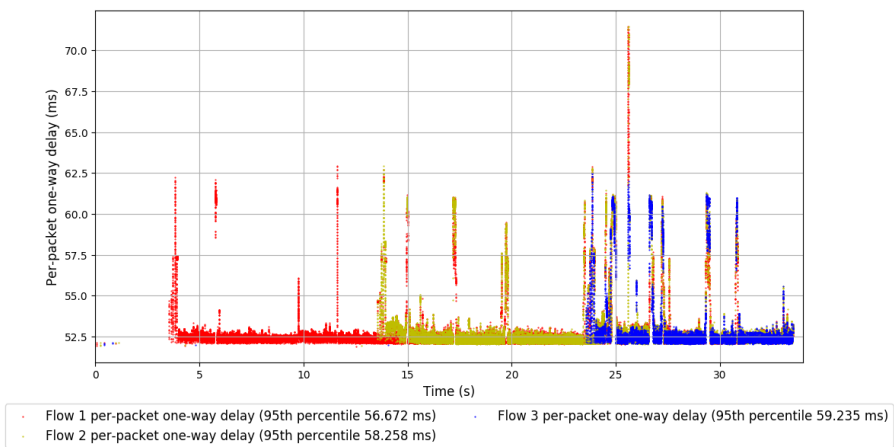
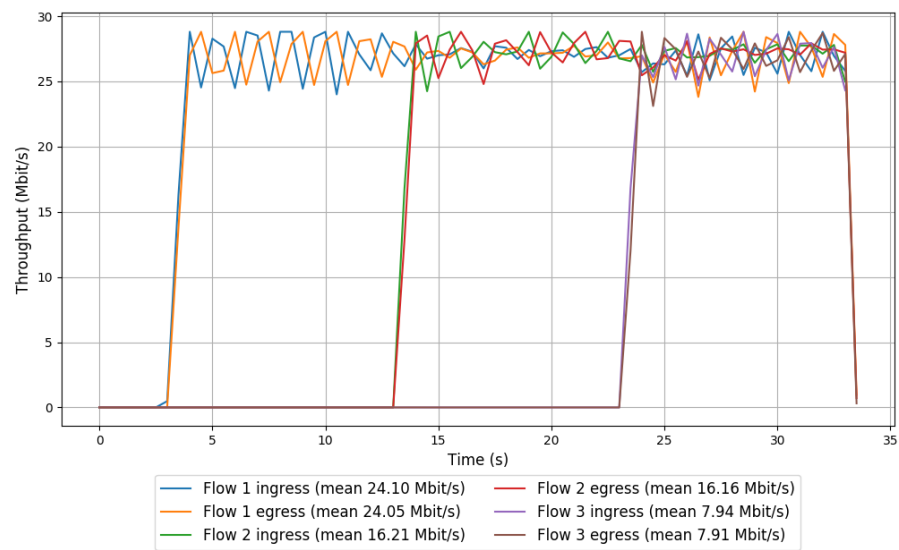
-- Flow 3:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 59.235 ms

Loss rate: 0.39%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Tue, 04 Jul 2017 19:00:48 +0000

End at: Tue, 04 Jul 2017 19:01:18 +0000

Local clock offset: 0.822 ms

Remote clock offset: -4.457 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:27 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.22 Mbit/s

95th percentile per-packet one-way delay: 54.380 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 24.14 Mbit/s

95th percentile per-packet one-way delay: 53.673 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 16.23 Mbit/s

95th percentile per-packet one-way delay: 54.549 ms

Loss rate: 0.14%

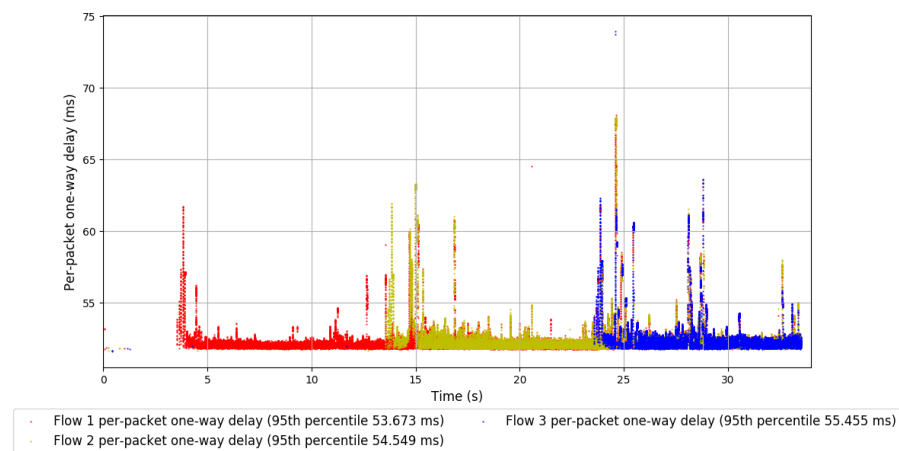
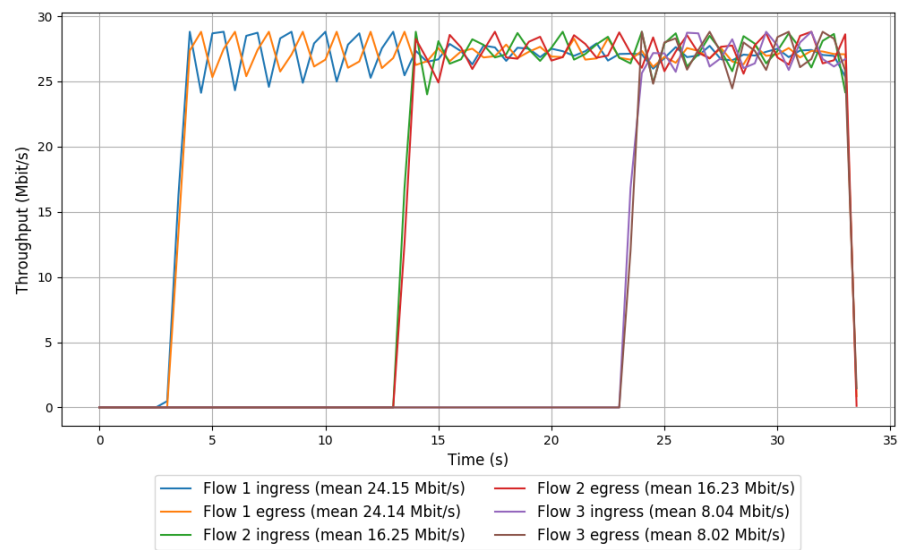
-- Flow 3:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 55.455 ms

Loss rate: 0.18%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Tue, 04 Jul 2017 19:21:24 +0000

End at: Tue, 04 Jul 2017 19:21:54 +0000

Local clock offset: 0.801 ms

Remote clock offset: -1.926 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:34 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.01 Mbit/s

95th percentile per-packet one-way delay: 54.576 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 53.995 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 16.12 Mbit/s

95th percentile per-packet one-way delay: 54.359 ms

Loss rate: 0.06%

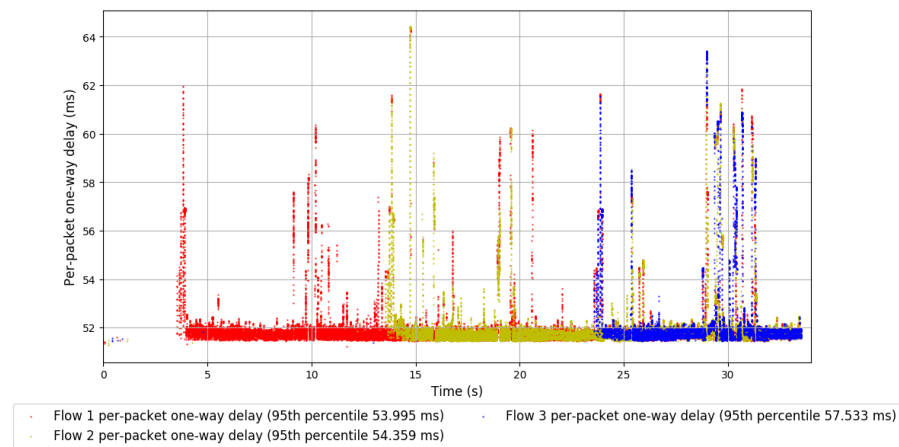
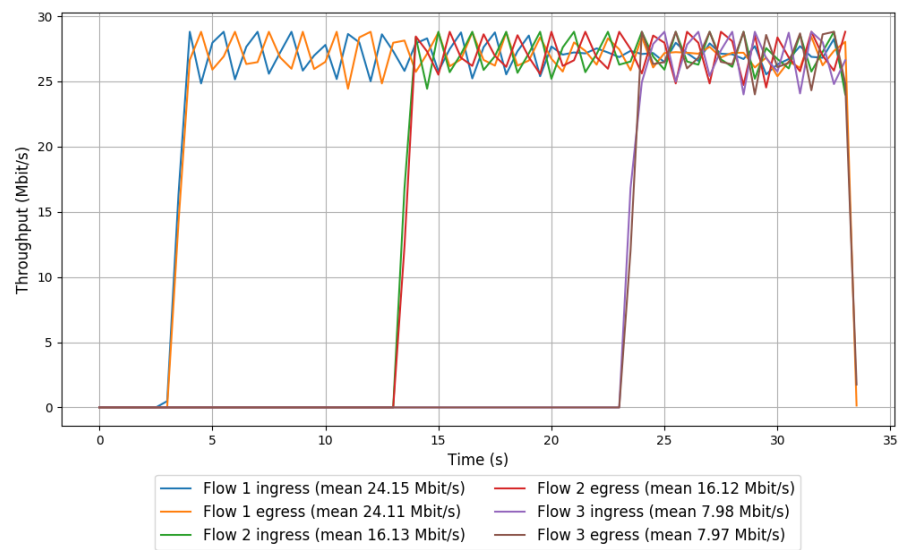
-- Flow 3:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 57.533 ms

Loss rate: 0.05%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Tue, 04 Jul 2017 19:41:55 +0000

End at: Tue, 04 Jul 2017 19:42:25 +0000

Local clock offset: 0.889 ms

Remote clock offset: -1.926 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:34 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 52.680 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.16 Mbit/s

95th percentile per-packet one-way delay: 52.484 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 16.26 Mbit/s

95th percentile per-packet one-way delay: 52.904 ms

Loss rate: 0.00%

-- Flow 3:

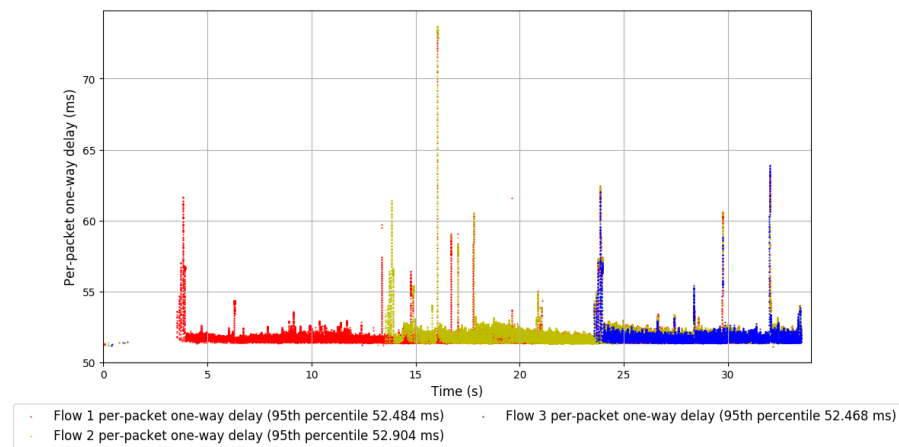
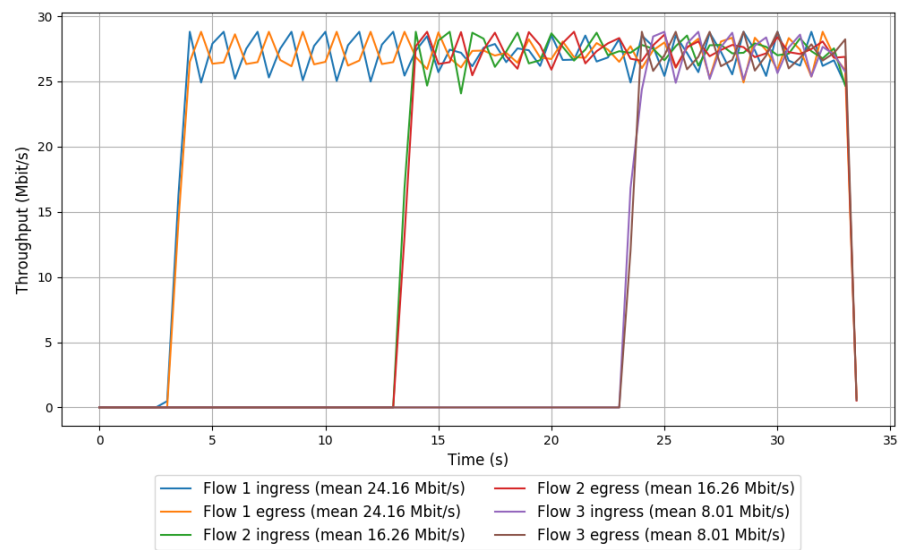
Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 52.468 ms

Loss rate: 0.00%



Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:02:30 +0000

End at: Tue, 04 Jul 2017 20:03:00 +0000

Local clock offset: 0.906 ms

Remote clock offset: -2.012 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:42 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.47 Mbit/s

95th percentile per-packet one-way delay: 53.217 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 52.856 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 16.26 Mbit/s

95th percentile per-packet one-way delay: 53.550 ms

Loss rate: 0.05%

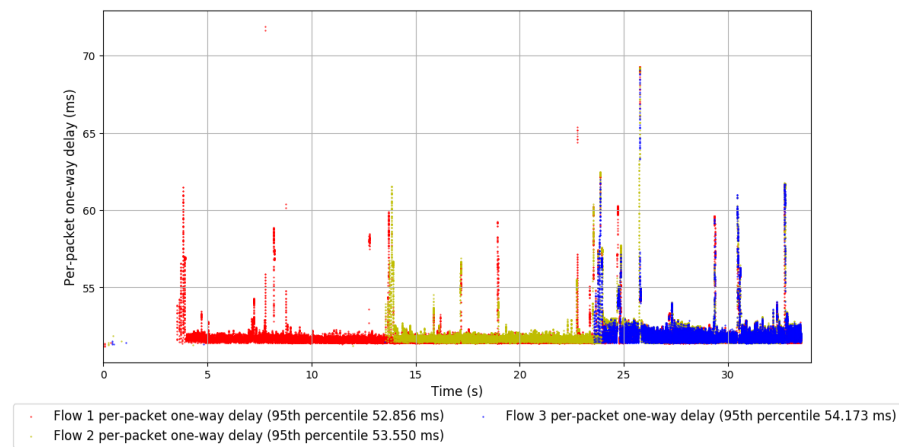
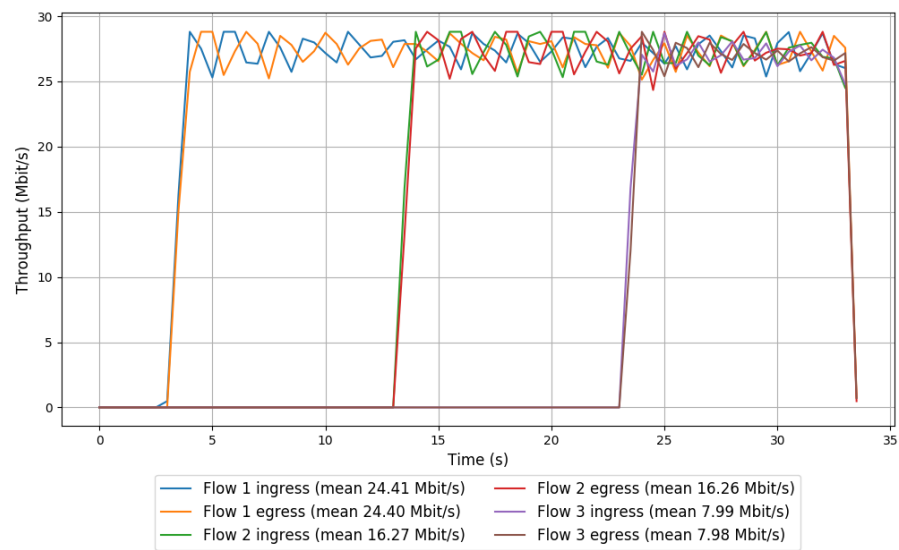
-- Flow 3:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 54.173 ms

Loss rate: 0.06%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:23:01 +0000

End at: Tue, 04 Jul 2017 20:23:31 +0000

Local clock offset: 0.85 ms

Remote clock offset: -2.474 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:42 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.33 Mbit/s

95th percentile per-packet one-way delay: 52.959 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 24.37 Mbit/s

95th percentile per-packet one-way delay: 52.979 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 16.12 Mbit/s

95th percentile per-packet one-way delay: 53.239 ms

Loss rate: 0.01%

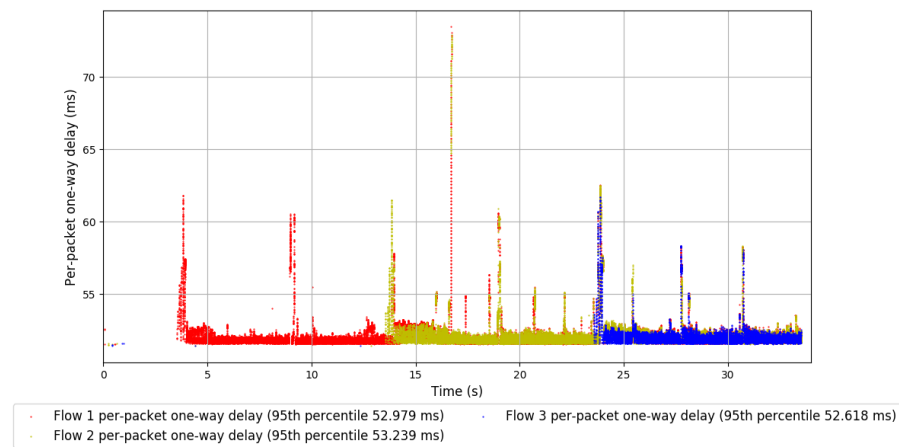
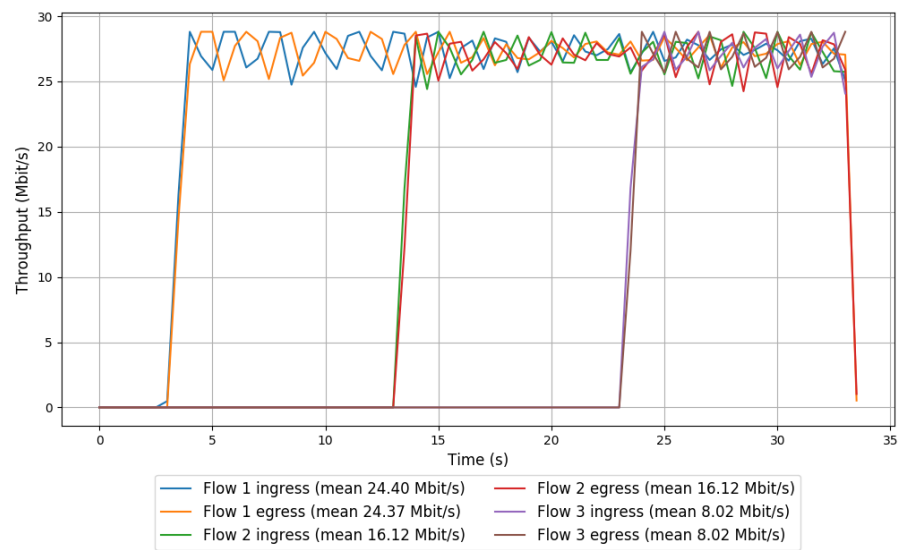
-- Flow 3:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 52.618 ms

Loss rate: 0.00%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:43:29 +0000

End at: Tue, 04 Jul 2017 20:43:59 +0000

Local clock offset: 0.784 ms

Remote clock offset: -1.833 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.14 Mbit/s

95th percentile per-packet one-way delay: 56.230 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 24.33 Mbit/s

95th percentile per-packet one-way delay: 55.299 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 16.08 Mbit/s

95th percentile per-packet one-way delay: 56.436 ms

Loss rate: 0.09%

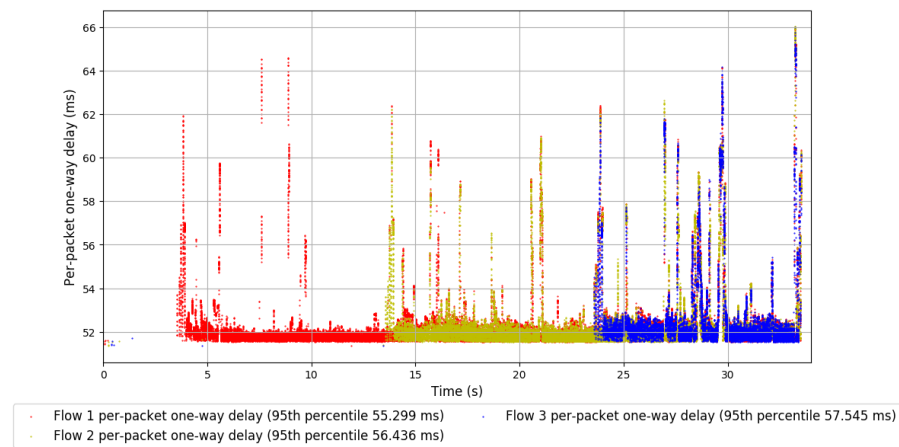
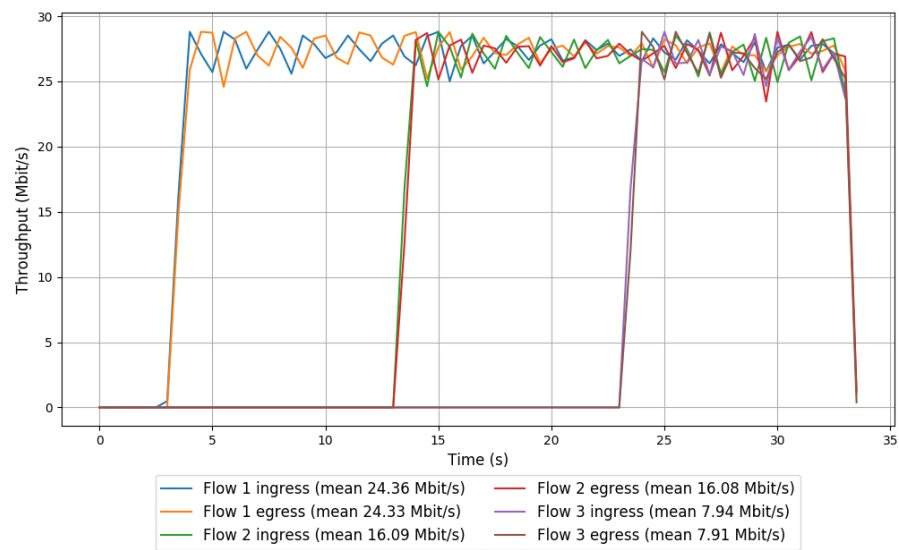
-- Flow 3:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 57.545 ms

Loss rate: 0.31%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Tue, 04 Jul 2017 21:03:55 +0000

End at: Tue, 04 Jul 2017 21:04:25 +0000

Local clock offset: 0.642 ms

Remote clock offset: -4.253 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.52 Mbit/s

95th percentile per-packet one-way delay: 59.045 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 23.85 Mbit/s

95th percentile per-packet one-way delay: 58.804 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 16.01 Mbit/s

95th percentile per-packet one-way delay: 59.203 ms

Loss rate: 0.34%

-- Flow 3:

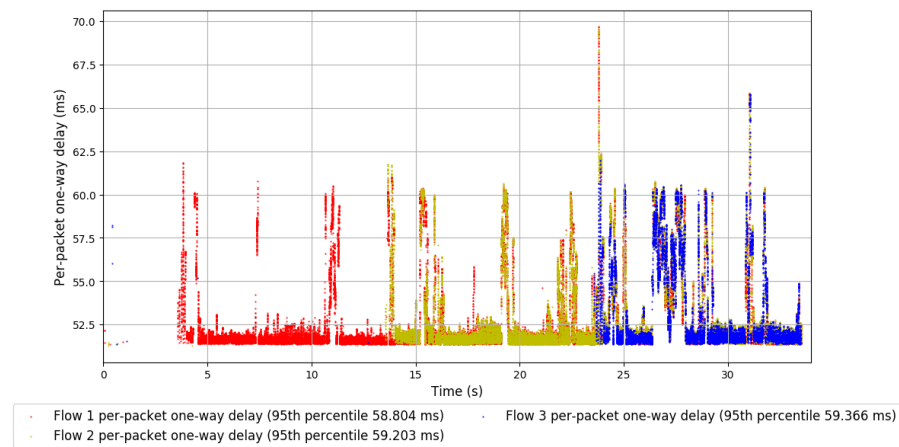
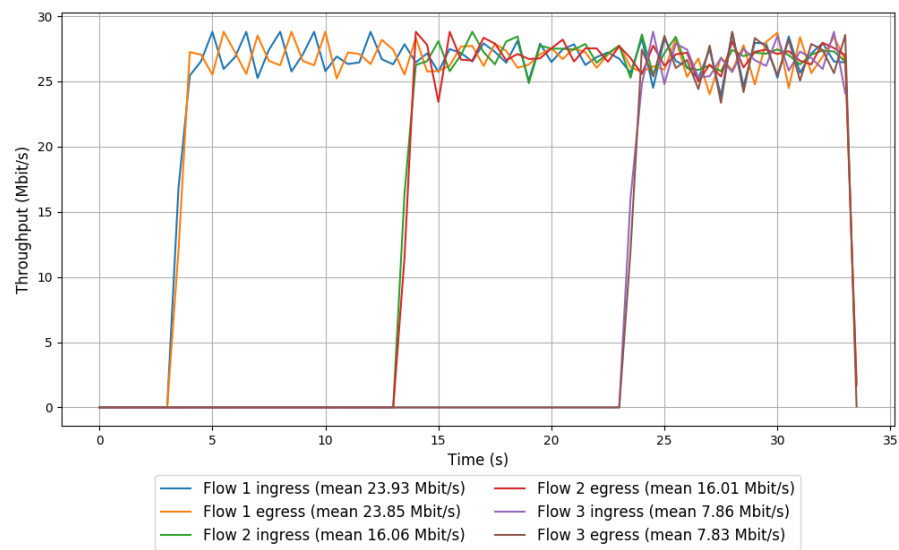
Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 59.366 ms

Loss rate: 0.34%



Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Tue, 04 Jul 2017 21:24:26 +0000

End at: Tue, 04 Jul 2017 21:24:56 +0000

Local clock offset: 0.359 ms

Remote clock offset: -2.592 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:57 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.81 Mbit/s

95th percentile per-packet one-way delay: 57.069 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 55.794 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 16.02 Mbit/s

95th percentile per-packet one-way delay: 56.694 ms

Loss rate: 0.05%

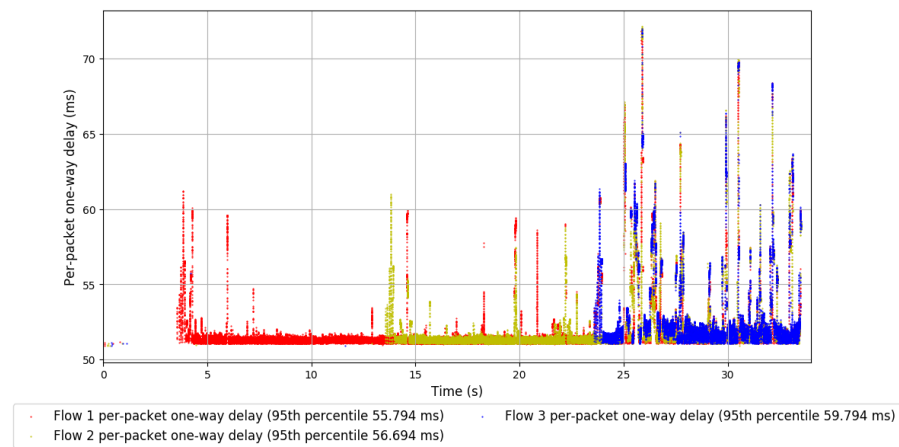
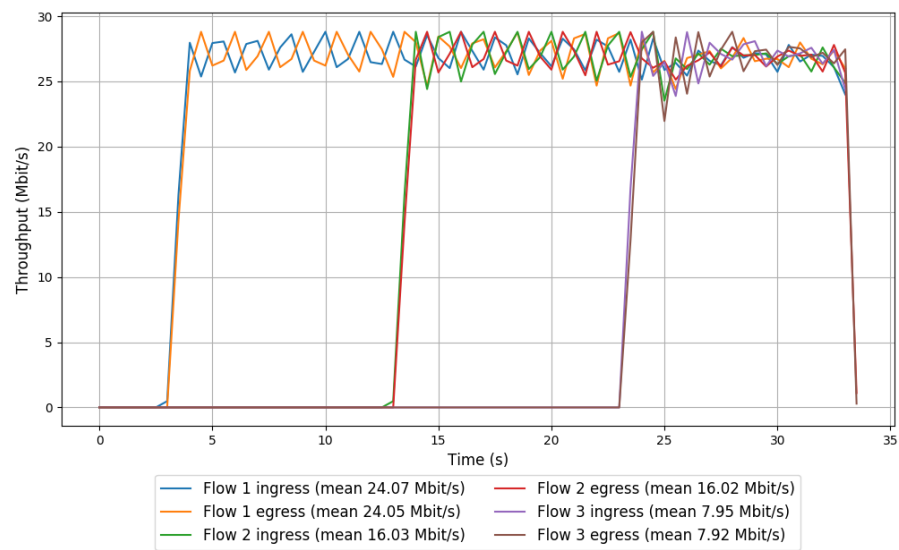
-- Flow 3:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 59.794 ms

Loss rate: 0.27%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Tue, 04 Jul 2017 21:44:50 +0000

End at: Tue, 04 Jul 2017 21:45:20 +0000

Local clock offset: 0.199 ms

Remote clock offset: -4.522 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.12 Mbit/s

95th percentile per-packet one-way delay: 58.676 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 23.82 Mbit/s

95th percentile per-packet one-way delay: 58.194 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 15.66 Mbit/s

95th percentile per-packet one-way delay: 59.049 ms

Loss rate: 1.08%

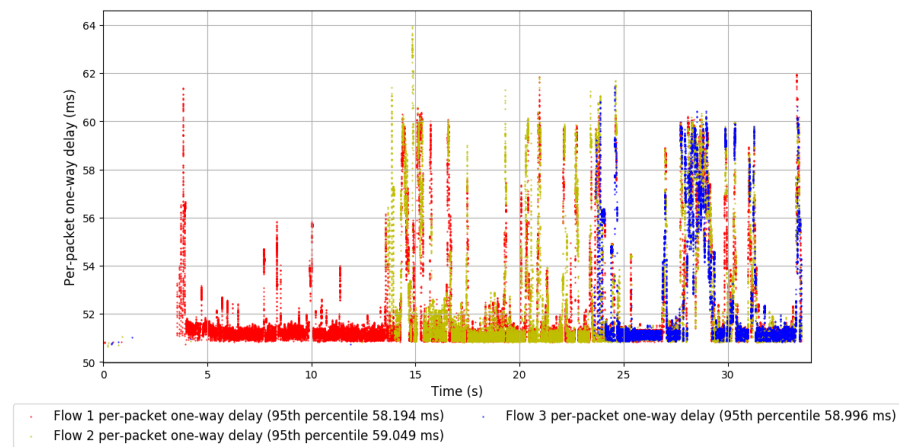
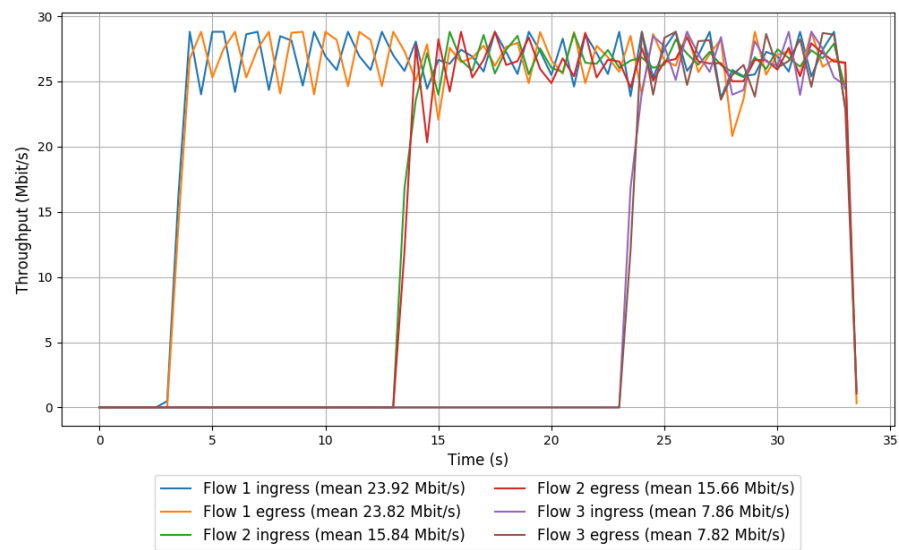
-- Flow 3:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 58.996 ms

Loss rate: 0.53%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 18:51:17 +0000

End at: Tue, 04 Jul 2017 18:51:47 +0000

Local clock offset: 0.93 ms

Remote clock offset: -1.98 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 52.211 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 52.243 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 52.164 ms

Loss rate: 0.00%

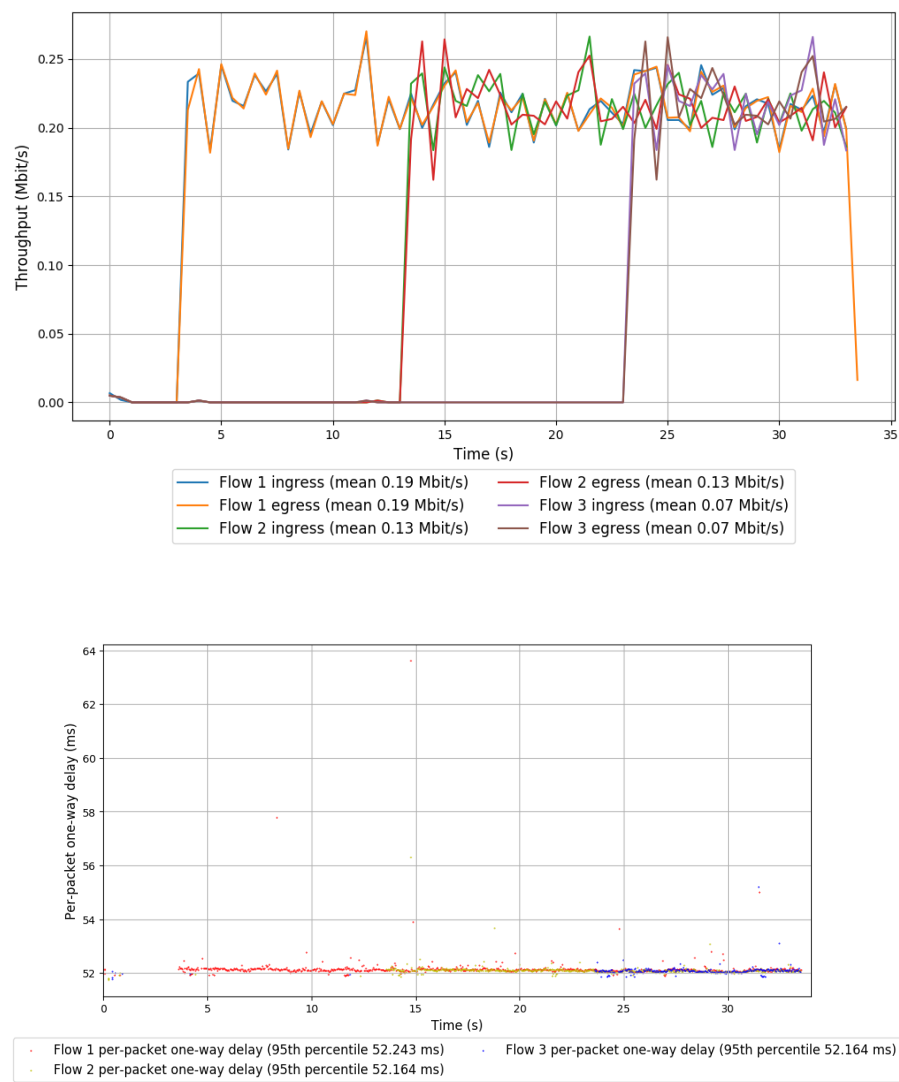
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 52.164 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 19:11:54 +0000

End at: Tue, 04 Jul 2017 19:12:24 +0000

Local clock offset: 0.817 ms

Remote clock offset: -2.484 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:19:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 51.862 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 51.873 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 51.843 ms

Loss rate: 0.00%

-- Flow 3:

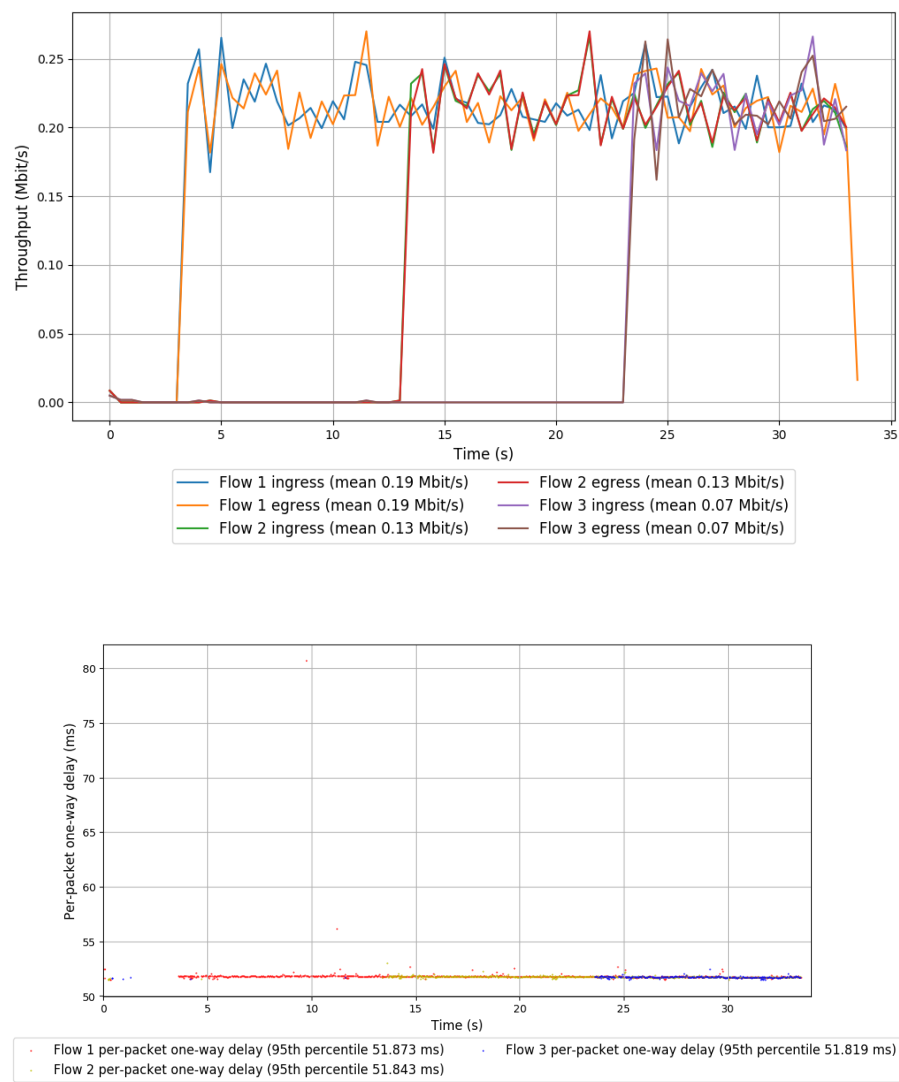
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 51.819 ms

Loss rate: 0.00%



Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 19:32:22 +0000

End at: Tue, 04 Jul 2017 19:32:52 +0000

Local clock offset: 0.787 ms

Remote clock offset: -1.562 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 51.660 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 51.670 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 51.641 ms

Loss rate: 0.00%

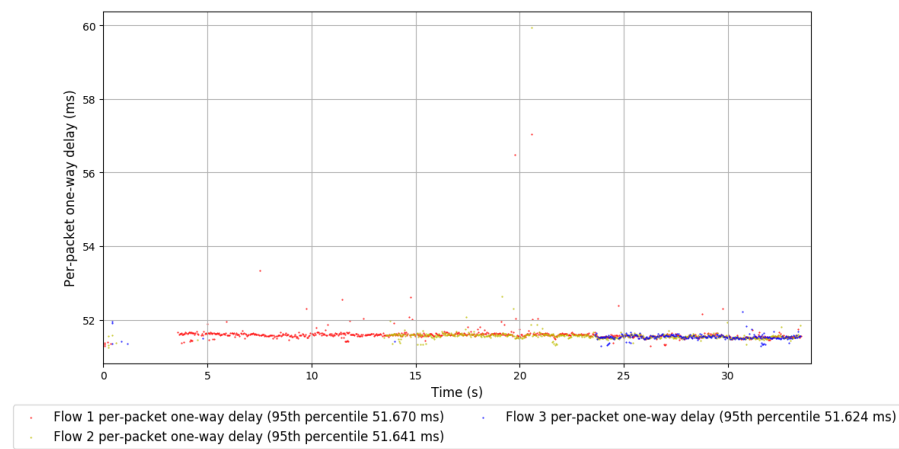
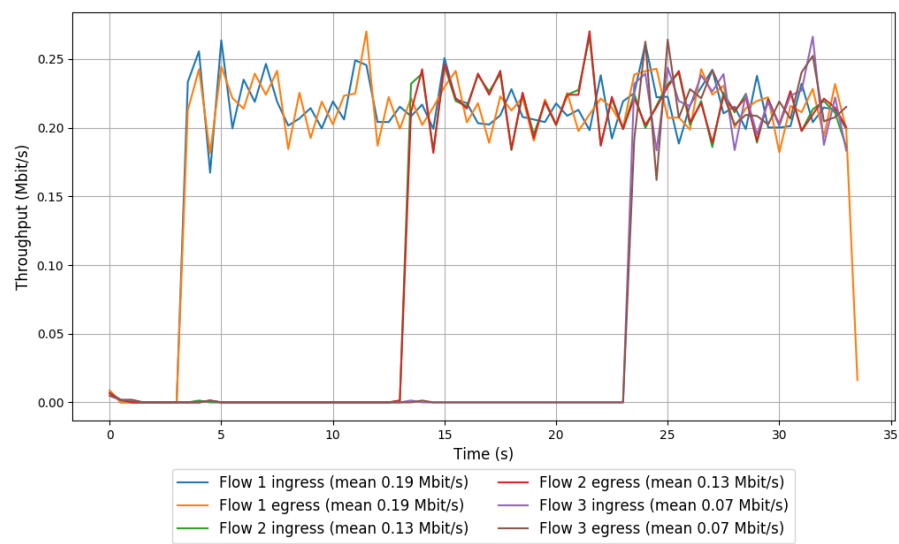
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 51.624 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 19:53:00 +0000

End at: Tue, 04 Jul 2017 19:53:30 +0000

Local clock offset: 0.82 ms

Remote clock offset: -4.371 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 51.684 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 51.702 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 51.669 ms

Loss rate: 0.00%

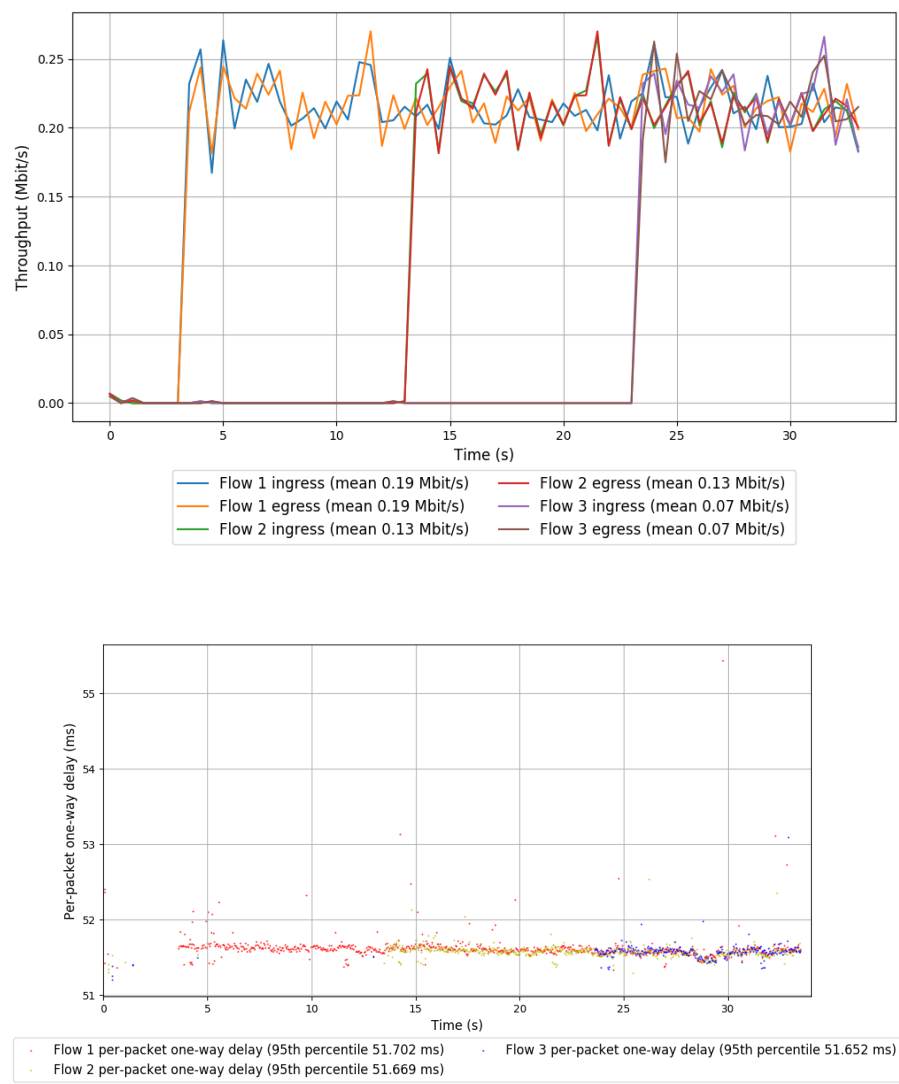
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 51.652 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 20:13:34 +0000

End at: Tue, 04 Jul 2017 20:14:04 +0000

Local clock offset: 0.786 ms

Remote clock offset: -2.521 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 51.784 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 51.796 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 51.779 ms

Loss rate: 0.00%

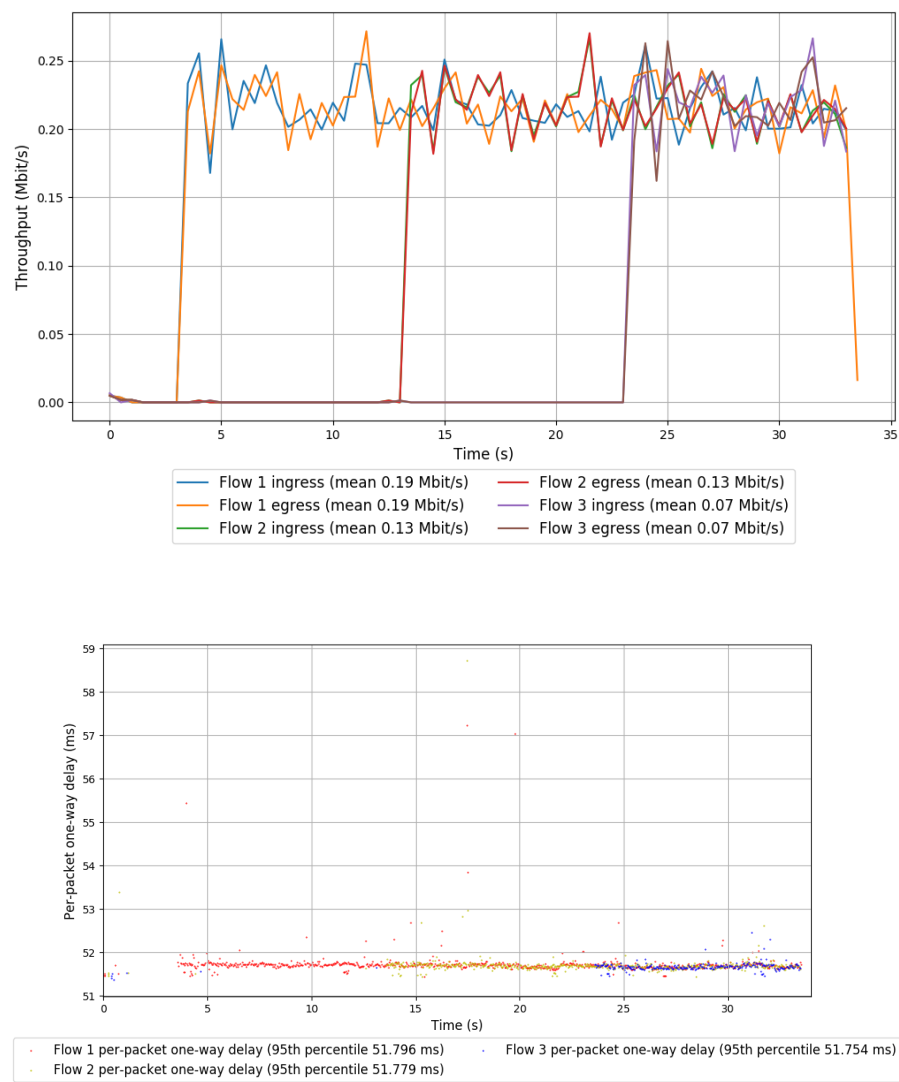
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 51.754 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 20:33:57 +0000

End at: Tue, 04 Jul 2017 20:34:27 +0000

Local clock offset: 0.825 ms

Remote clock offset: -2.641 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 51.911 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 51.966 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 51.872 ms

Loss rate: 0.00%

-- Flow 3:

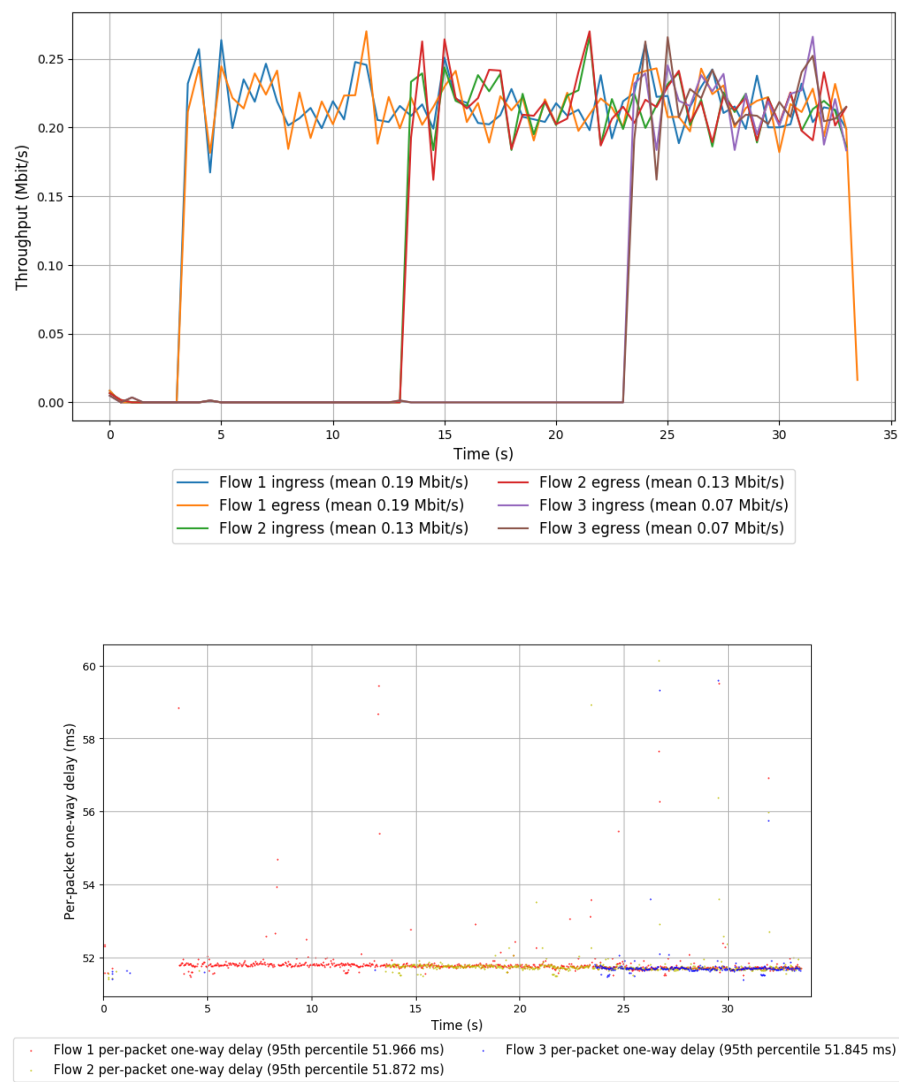
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 51.845 ms

Loss rate: 0.00%



Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 20:54:26 +0000

End at: Tue, 04 Jul 2017 20:54:56 +0000

Local clock offset: 0.758 ms

Remote clock offset: -1.779 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 51.941 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 51.945 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 52.039 ms

Loss rate: 0.23%

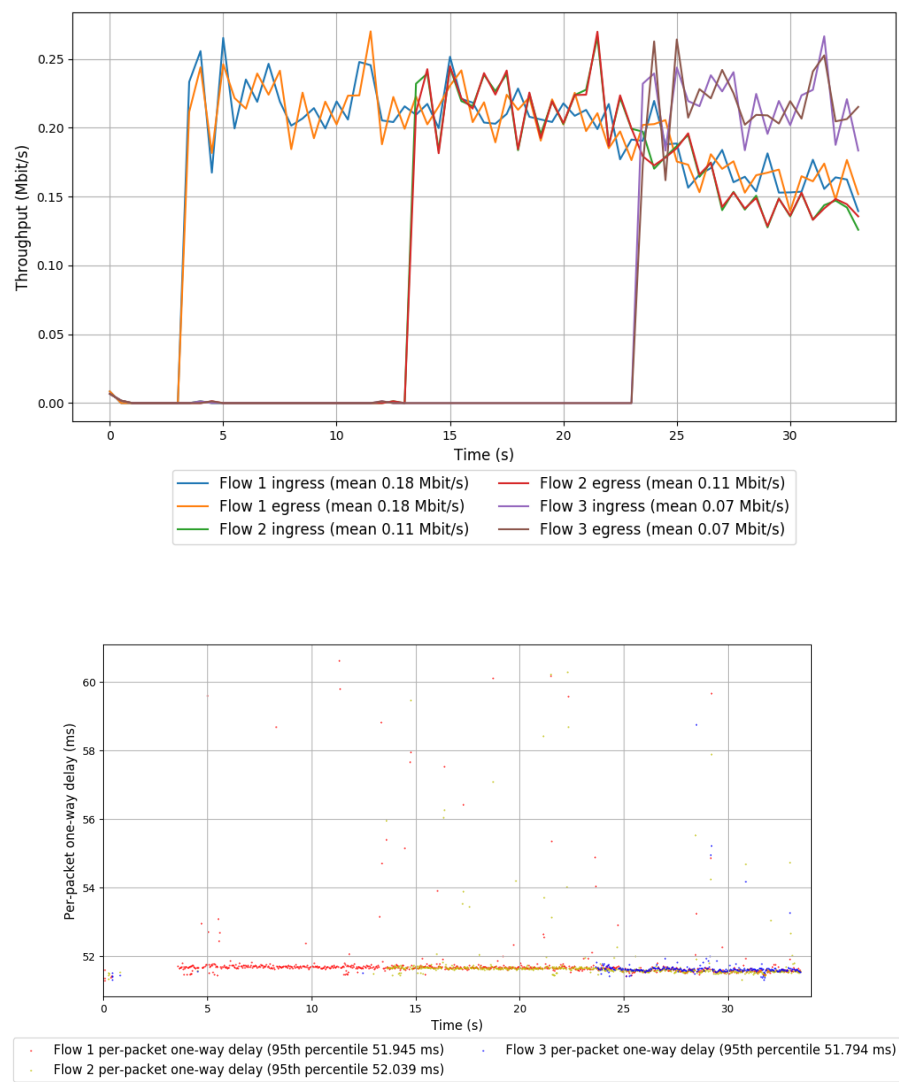
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 51.794 ms

Loss rate: 0.41%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 21:14:56 +0000

End at: Tue, 04 Jul 2017 21:15:26 +0000

Local clock offset: 0.39 ms

Remote clock offset: -2.015 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 54.397 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 54.015 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 54.669 ms

Loss rate: 0.88%

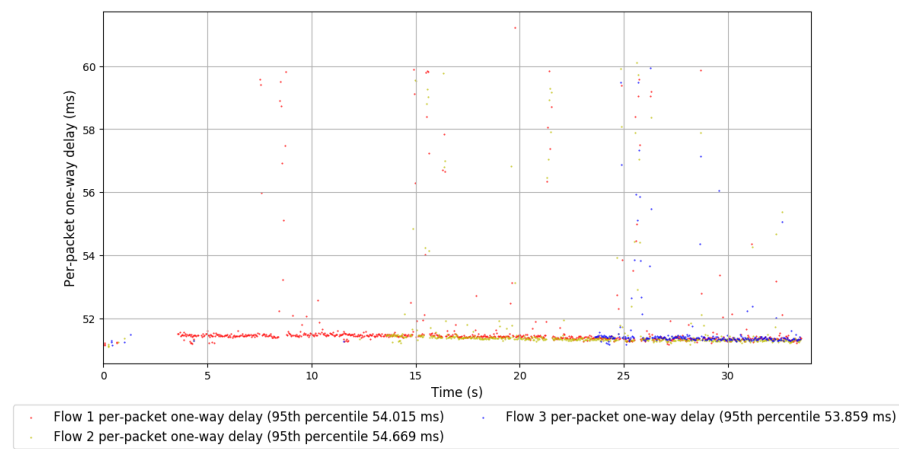
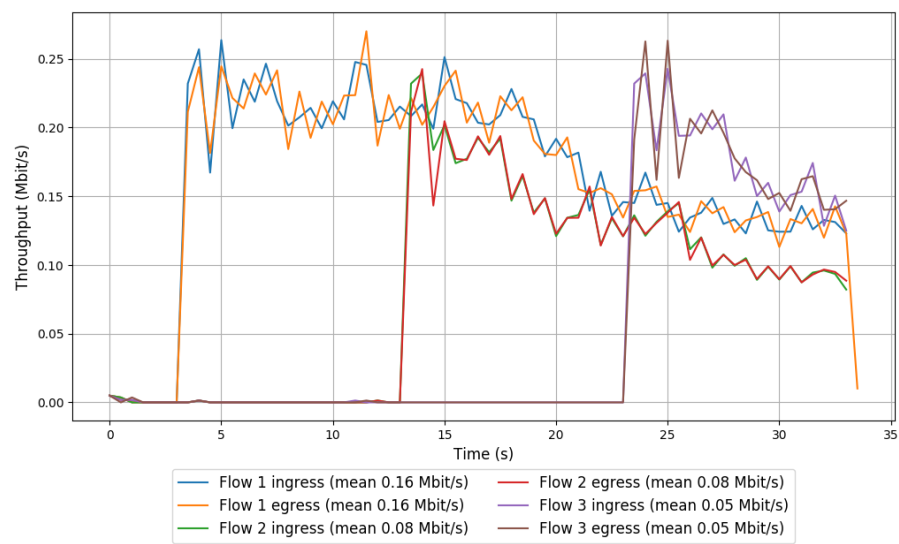
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 53.859 ms

Loss rate: 0.58%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 21:35:22 +0000

End at: Tue, 04 Jul 2017 21:35:52 +0000

Local clock offset: 0.177 ms

Remote clock offset: -2.156 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 51.794 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 51.446 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 51.500 ms

Loss rate: 0.27%

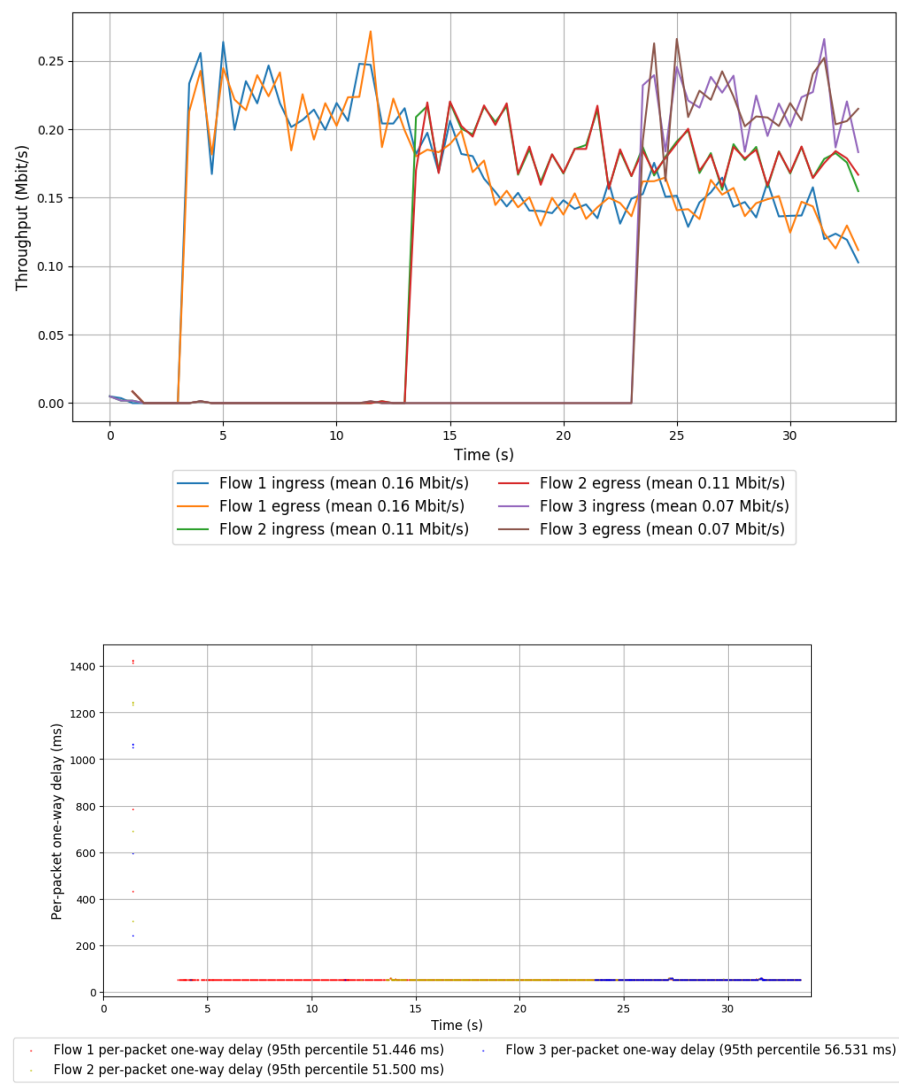
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 56.531 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 21:55:46 +0000

End at: Tue, 04 Jul 2017 21:56:16 +0000

Local clock offset: 0.235 ms

Remote clock offset: -4.368 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 50.986 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 51.009 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 51.034 ms

Loss rate: 0.30%

-- Flow 3:

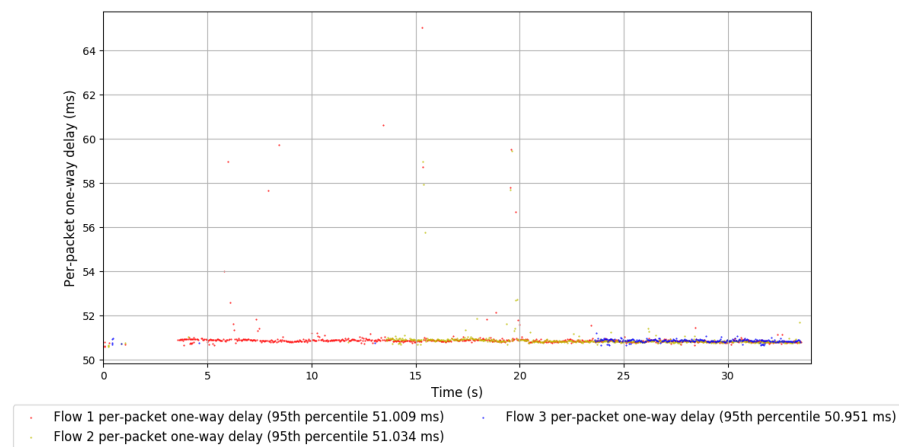
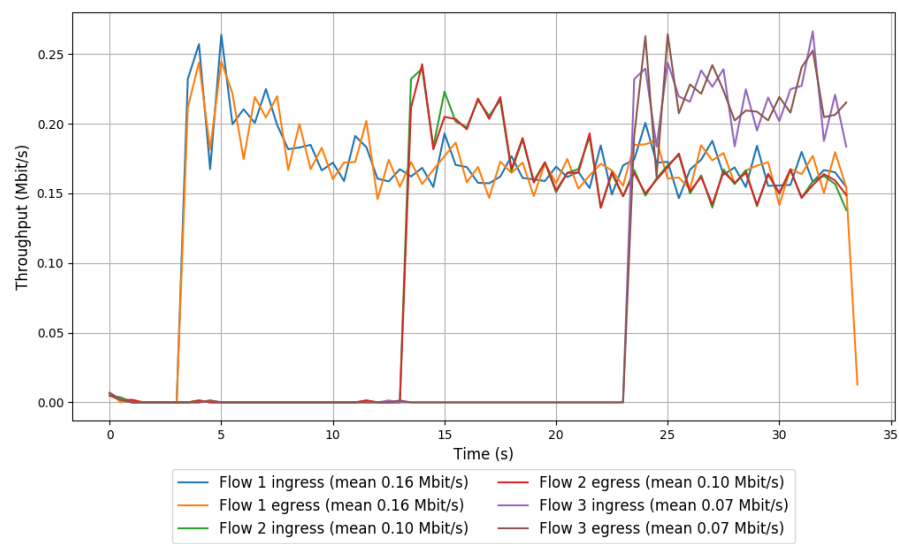
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 50.951 ms

Loss rate: 0.00%



Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

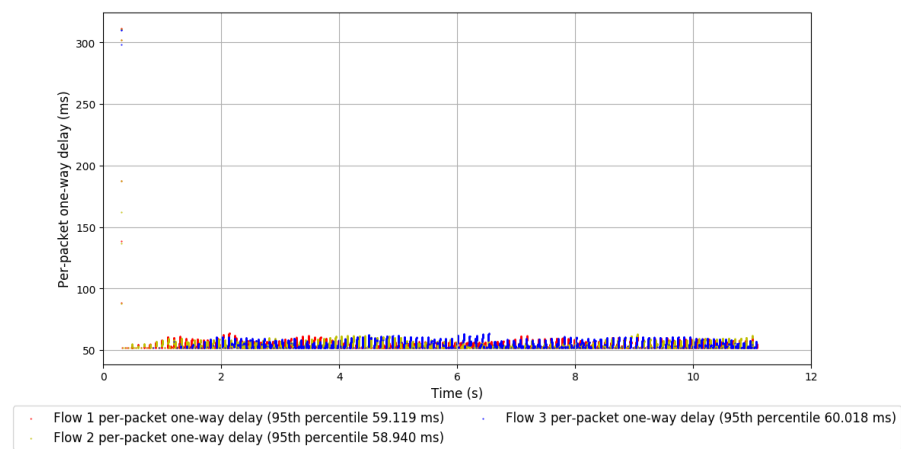
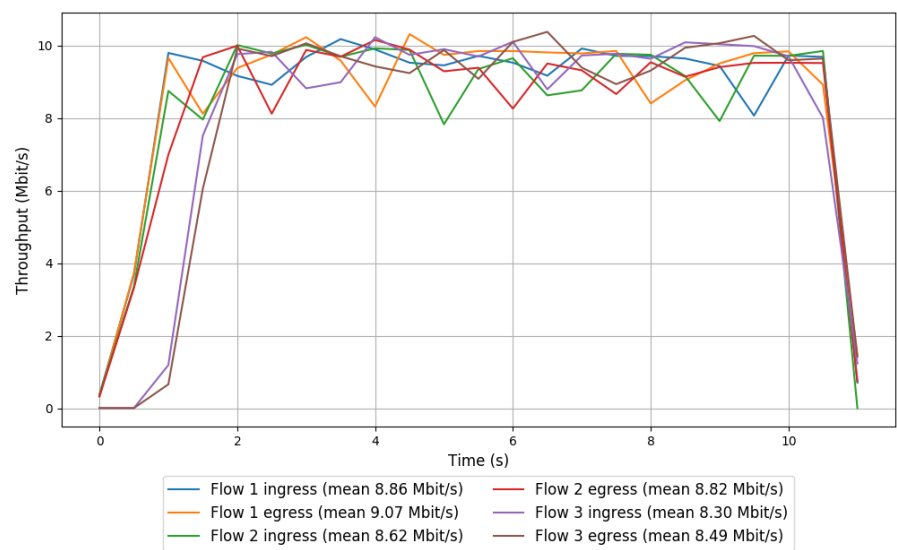
Start at: Tue, 04 Jul 2017 18:55:19 +0000

End at: Tue, 04 Jul 2017 18:55:49 +0000

Local clock offset: 0.848 ms

Remote clock offset: -2.354 ms

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:15:55 +0000

End at: Tue, 04 Jul 2017 19:16:25 +0000

Local clock offset: 0.884 ms

Remote clock offset: -4.083 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.48 Mbit/s

95th percentile per-packet one-way delay: 58.738 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 9.15 Mbit/s

95th percentile per-packet one-way delay: 58.882 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 6.27 Mbit/s

95th percentile per-packet one-way delay: 58.679 ms

Loss rate: 0.22%

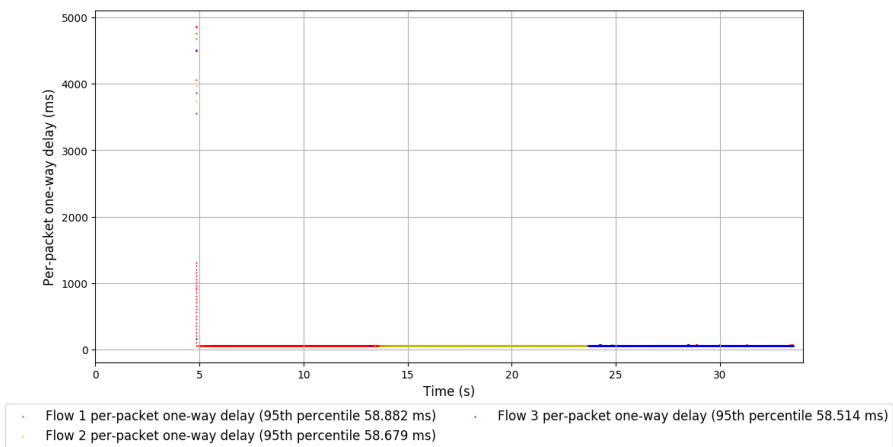
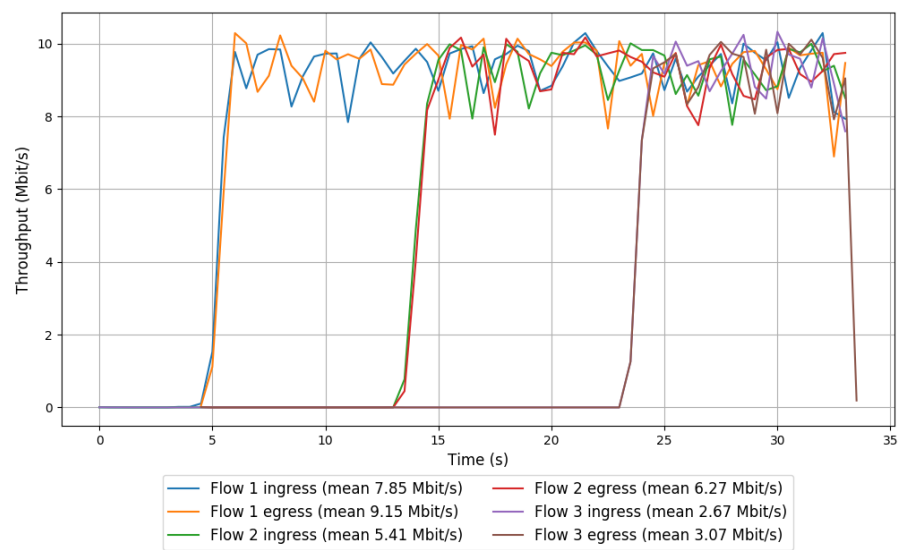
-- Flow 3:

Average throughput: 3.07 Mbit/s

95th percentile per-packet one-way delay: 58.514 ms

Loss rate: 0.41%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

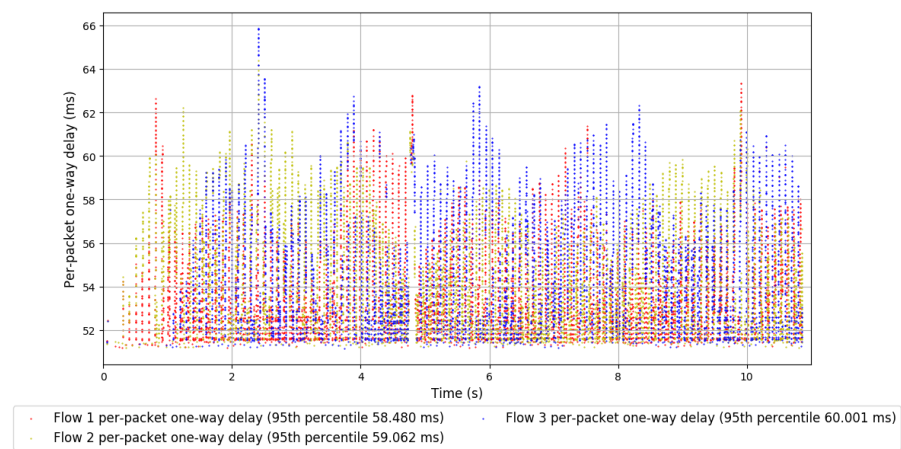
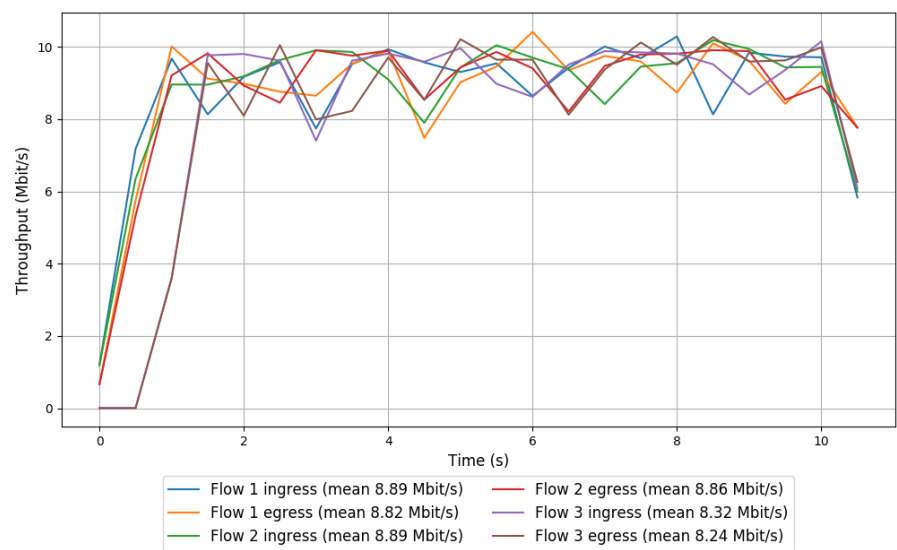
Start at: Tue, 04 Jul 2017 19:36:22 +0000

End at: Tue, 04 Jul 2017 19:36:52 +0000

Local clock offset: 0.789 ms

Remote clock offset: -4.064 ms

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:57:00 +0000

End at: Tue, 04 Jul 2017 19:57:30 +0000

Local clock offset: 0.819 ms

Remote clock offset: -1.45 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 16.43 Mbit/s

95th percentile per-packet one-way delay: 57.710 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 8.33 Mbit/s

95th percentile per-packet one-way delay: 57.851 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.50 Mbit/s

95th percentile per-packet one-way delay: 57.461 ms

Loss rate: 0.00%

-- Flow 3:

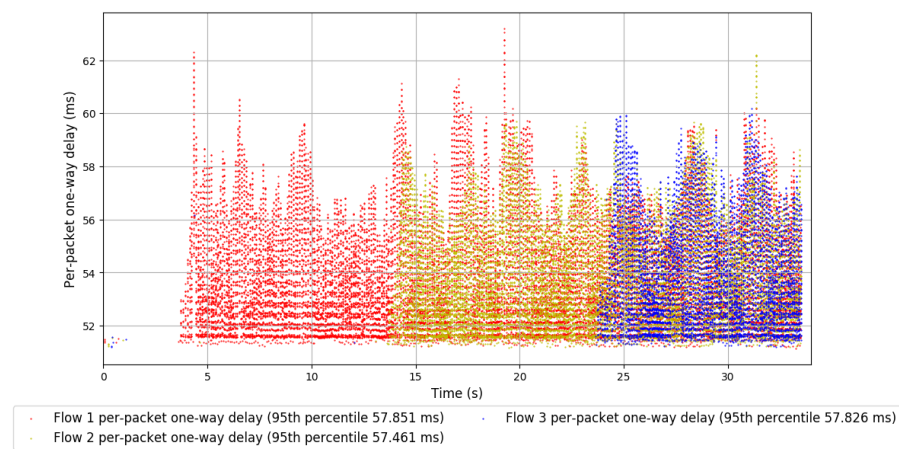
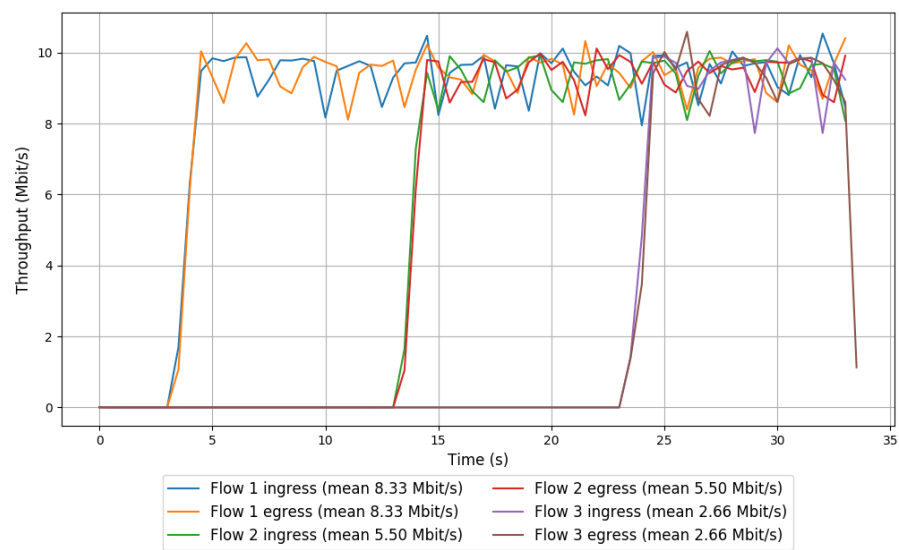
Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 57.826 ms

Loss rate: 0.04%



Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

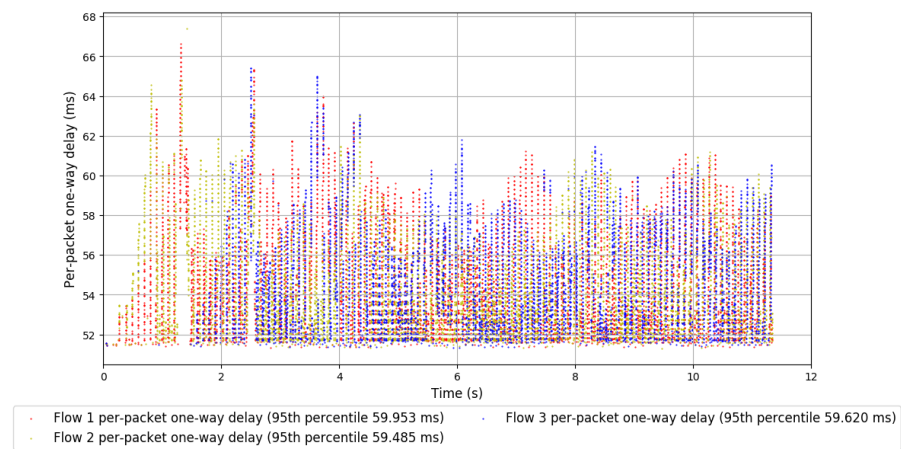
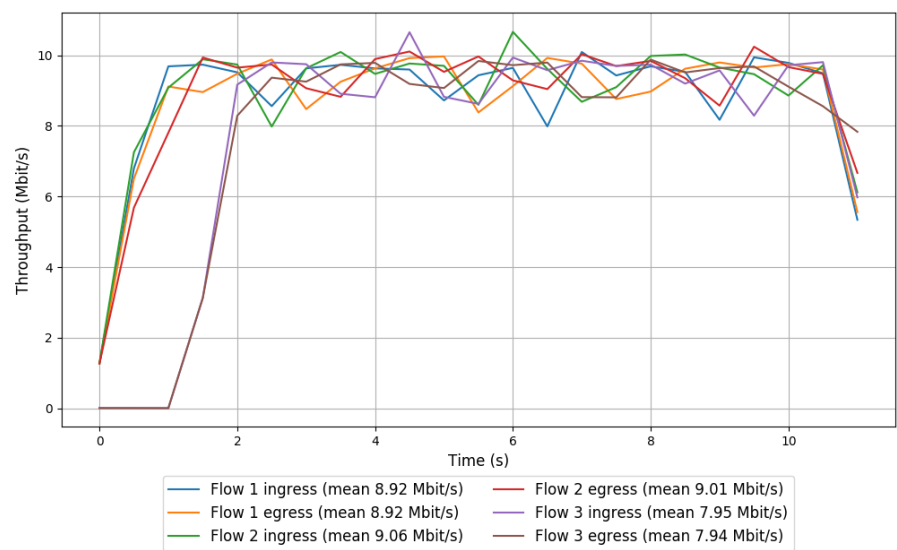
Start at: Tue, 04 Jul 2017 20:17:35 +0000

End at: Tue, 04 Jul 2017 20:18:05 +0000

Local clock offset: 0.884 ms

Remote clock offset: -2.558 ms

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Tue, 04 Jul 2017 20:37:58 +0000

End at: Tue, 04 Jul 2017 20:38:28 +0000

Local clock offset: 0.816 ms

Remote clock offset: -2.162 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.11 Mbit/s

95th percentile per-packet one-way delay: 58.947 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 58.920 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 6.05 Mbit/s

95th percentile per-packet one-way delay: 58.549 ms

Loss rate: 0.46%

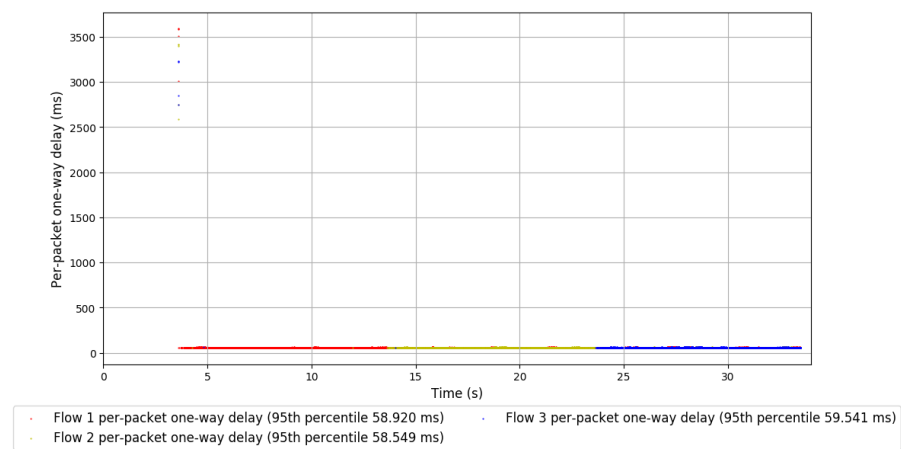
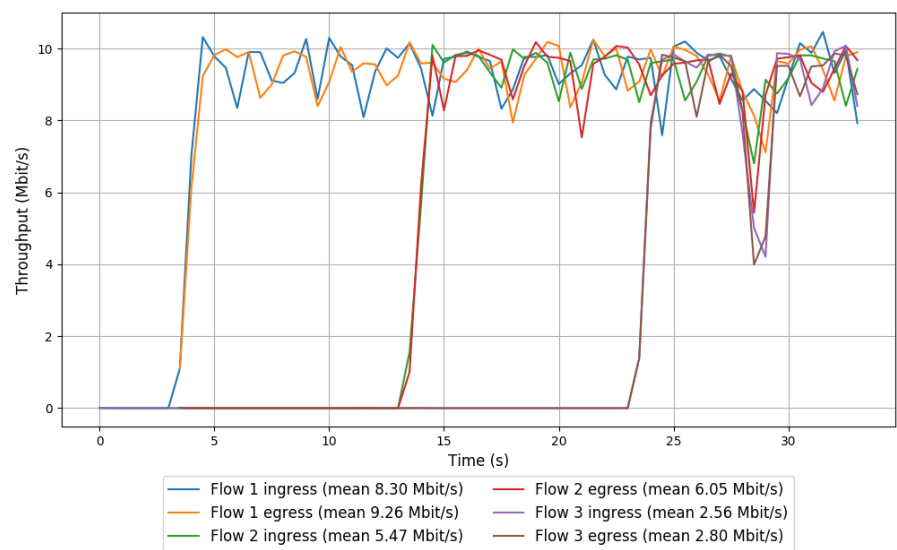
-- Flow 3:

Average throughput: 2.80 Mbit/s

95th percentile per-packet one-way delay: 59.541 ms

Loss rate: 1.06%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Tue, 04 Jul 2017 20:58:26 +0000

End at: Tue, 04 Jul 2017 20:58:56 +0000

Local clock offset: 0.62 ms

Remote clock offset: -2.542 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 19.02 Mbit/s

95th percentile per-packet one-way delay: 58.255 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 57.872 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 6.69 Mbit/s

95th percentile per-packet one-way delay: 58.491 ms

Loss rate: 0.03%

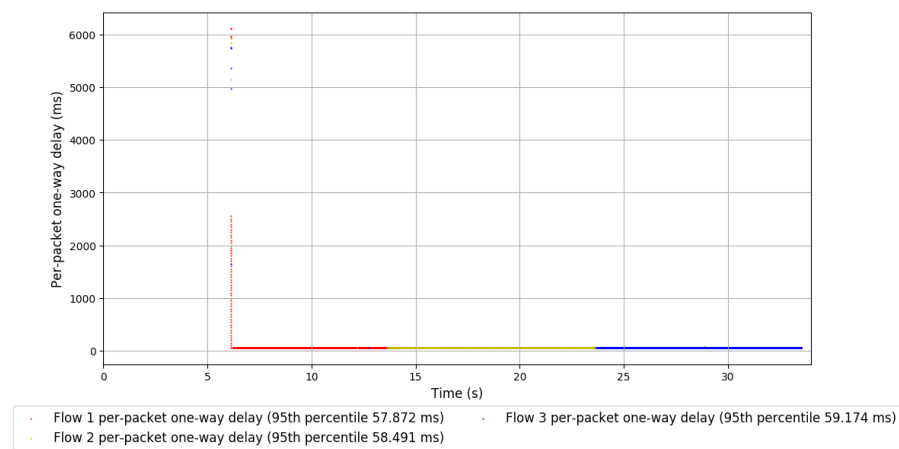
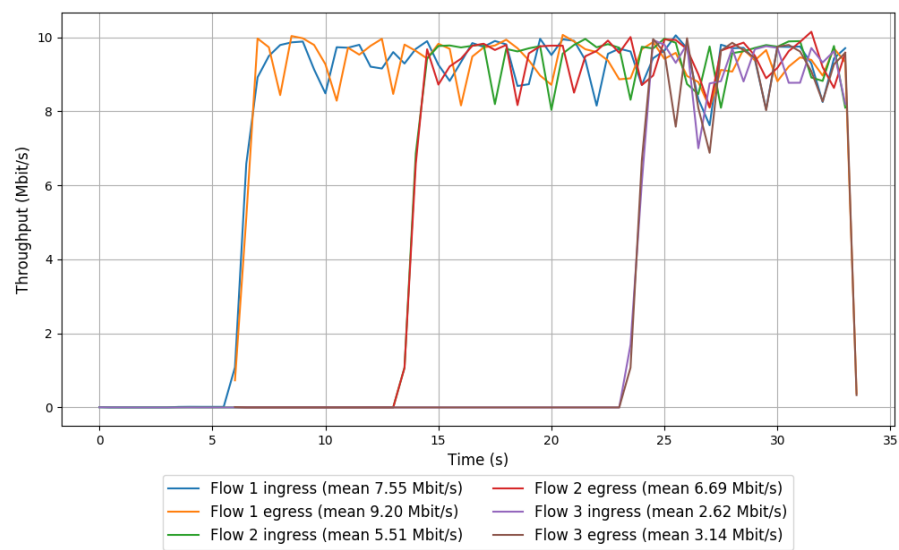
-- Flow 3:

Average throughput: 3.14 Mbit/s

95th percentile per-packet one-way delay: 59.174 ms

Loss rate: 0.65%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Tue, 04 Jul 2017 21:18:56 +0000

End at: Tue, 04 Jul 2017 21:19:26 +0000

Local clock offset: 0.324 ms

Remote clock offset: -4.696 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.77 Mbit/s

95th percentile per-packet one-way delay: 58.164 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 9.28 Mbit/s

95th percentile per-packet one-way delay: 57.835 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 6.39 Mbit/s

95th percentile per-packet one-way delay: 58.618 ms

Loss rate: 0.01%

-- Flow 3:

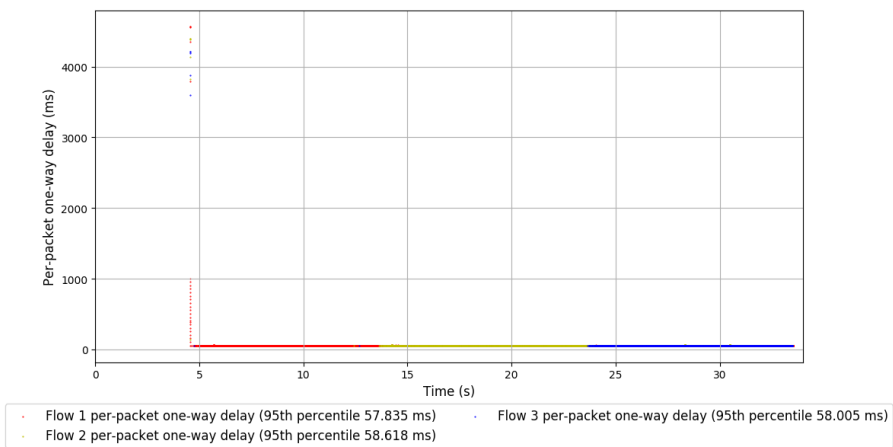
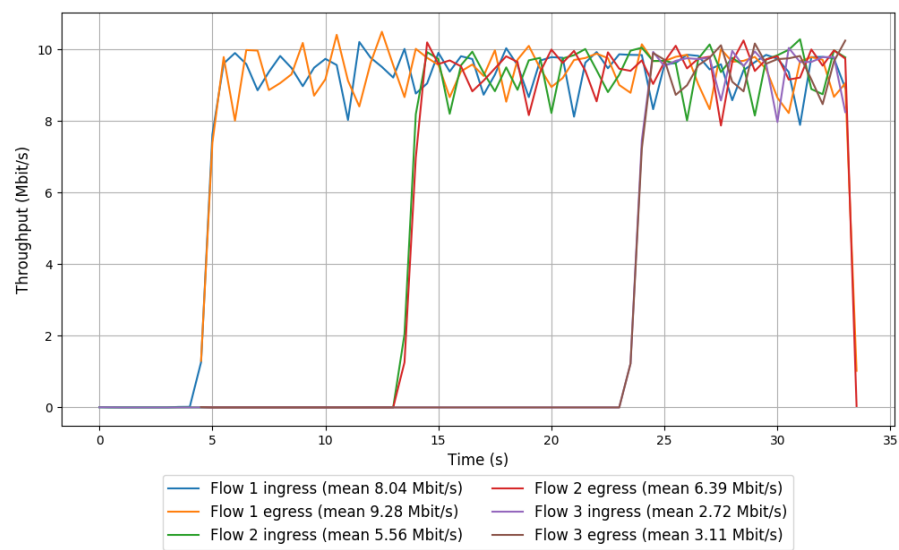
Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 58.005 ms

Loss rate: 0.03%



Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Tue, 04 Jul 2017 21:39:23 +0000

End at: Tue, 04 Jul 2017 21:39:53 +0000

Local clock offset: 0.158 ms

Remote clock offset: -1.69 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 18.62 Mbit/s

95th percentile per-packet one-way delay: 57.755 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 9.27 Mbit/s

95th percentile per-packet one-way delay: 57.558 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.29 Mbit/s

95th percentile per-packet one-way delay: 57.643 ms

Loss rate: 0.00%

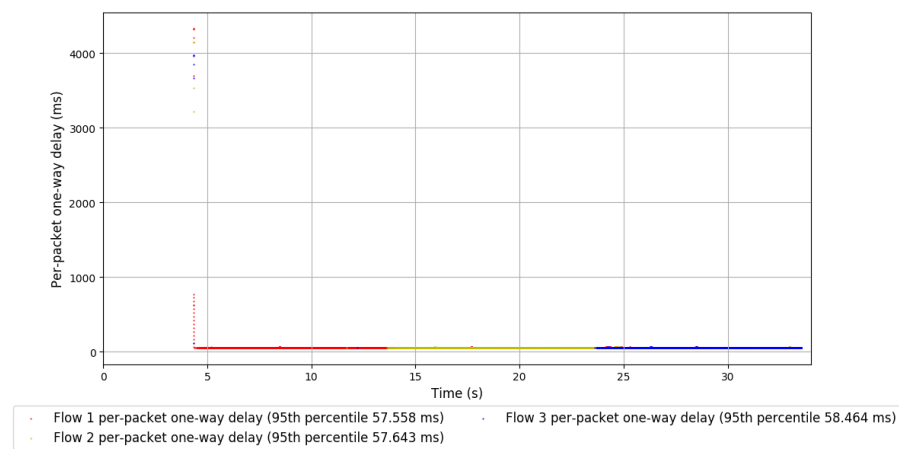
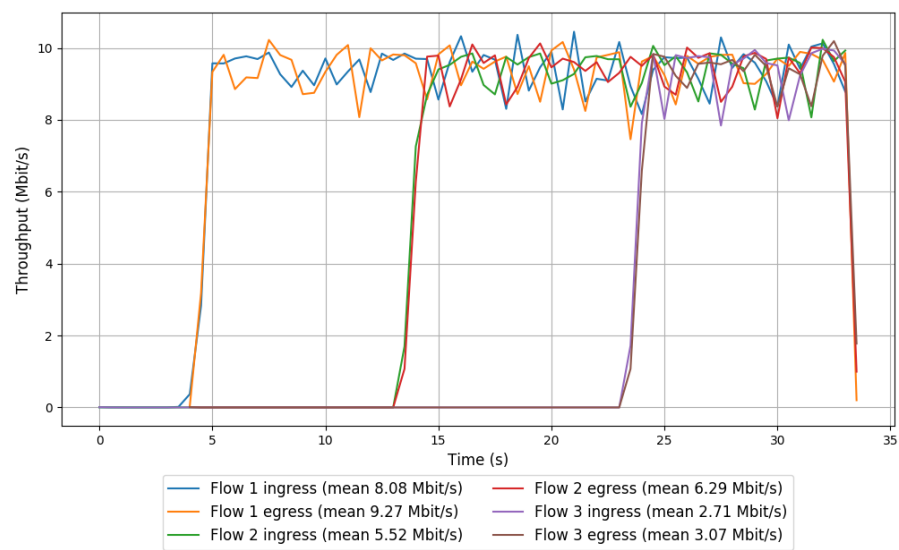
-- Flow 3:

Average throughput: 3.07 Mbit/s

95th percentile per-packet one-way delay: 58.464 ms

Loss rate: 0.04%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Tue, 04 Jul 2017 21:59:46 +0000

End at: Tue, 04 Jul 2017 22:00:16 +0000

Local clock offset: 0.136 ms

Remote clock offset: -1.893 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:21 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 17.99 Mbit/s

95th percentile per-packet one-way delay: 58.875 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 9.03 Mbit/s

95th percentile per-packet one-way delay: 58.585 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 6.02 Mbit/s

95th percentile per-packet one-way delay: 58.661 ms

Loss rate: 1.30%

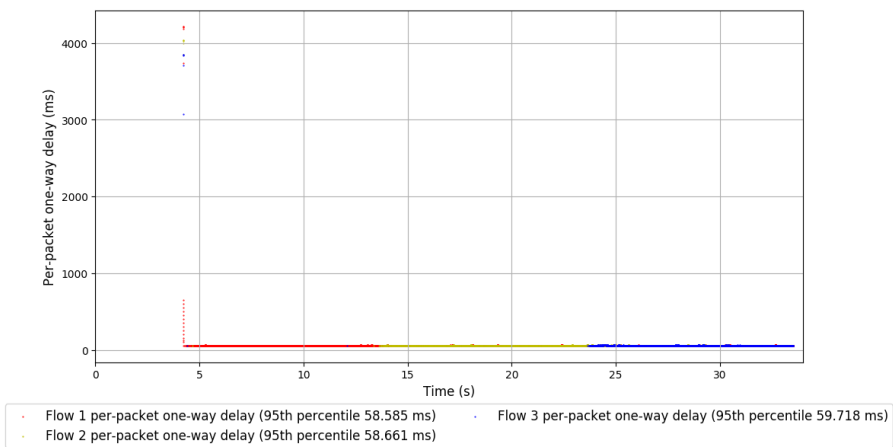
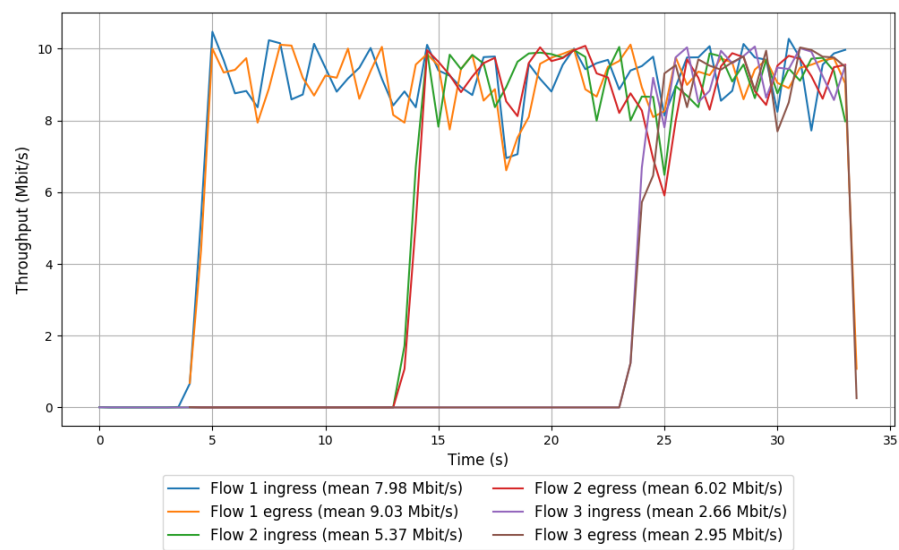
-- Flow 3:

Average throughput: 2.95 Mbit/s

95th percentile per-packet one-way delay: 59.718 ms

Loss rate: 1.87%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 18:44:23 +0000

End at: Tue, 04 Jul 2017 18:44:53 +0000

Local clock offset: 0.914 ms

Remote clock offset: -2.875 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.61 Mbit/s

95th percentile per-packet one-way delay: 84.017 ms

Loss rate: 16.16%

-- Flow 1:

Average throughput: 50.26 Mbit/s

95th percentile per-packet one-way delay: 82.631 ms

Loss rate: 12.49%

-- Flow 2:

Average throughput: 26.49 Mbit/s

95th percentile per-packet one-way delay: 85.956 ms

Loss rate: 22.21%

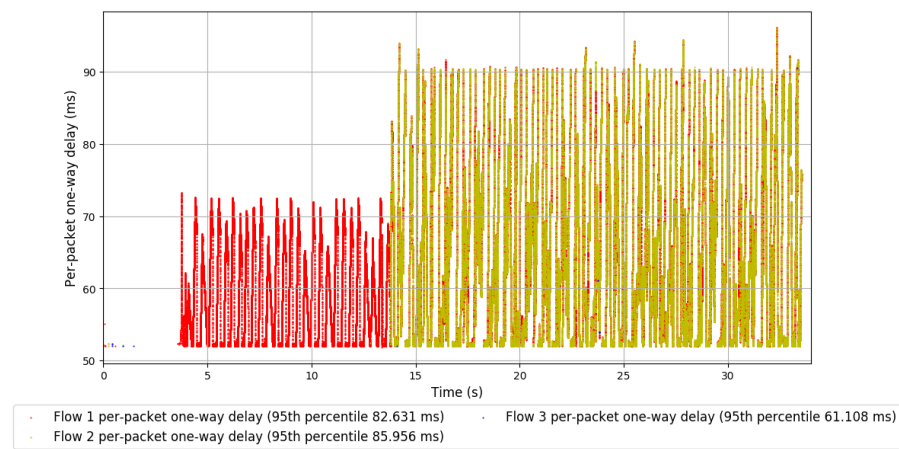
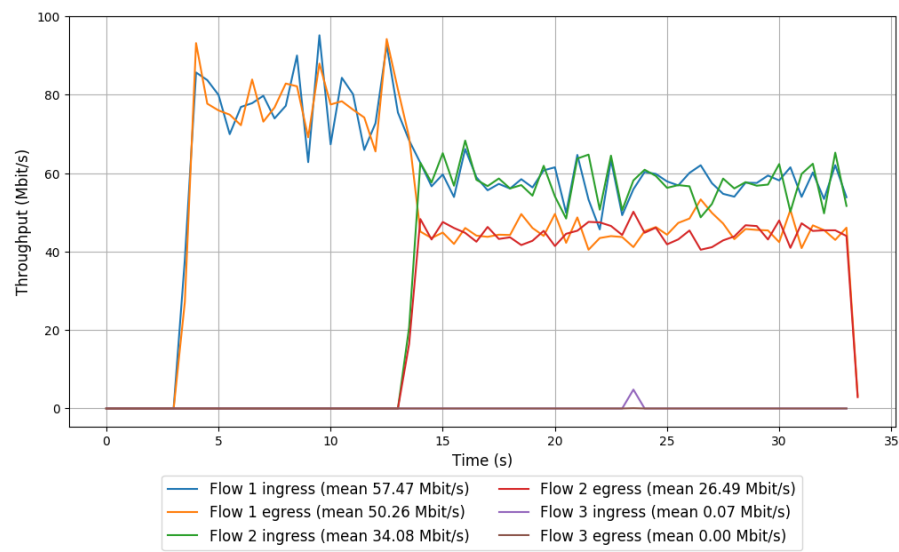
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 61.108 ms

Loss rate: 98.13%

Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 19:04:54 +0000

End at: Tue, 04 Jul 2017 19:05:24 +0000

Local clock offset: 0.84 ms

Remote clock offset: -2.563 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.96 Mbit/s

95th percentile per-packet one-way delay: 84.026 ms

Loss rate: 10.82%

-- Flow 1:

Average throughput: 47.56 Mbit/s

95th percentile per-packet one-way delay: 81.502 ms

Loss rate: 8.29%

-- Flow 2:

Average throughput: 22.36 Mbit/s

95th percentile per-packet one-way delay: 85.975 ms

Loss rate: 16.06%

-- Flow 3:

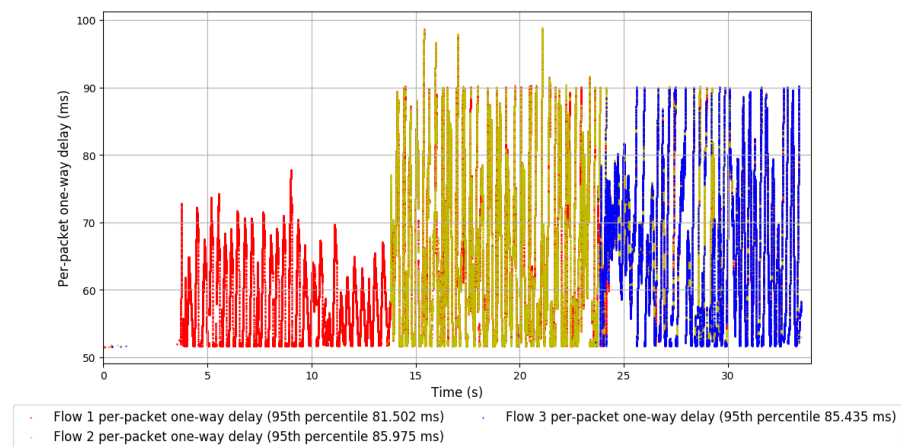
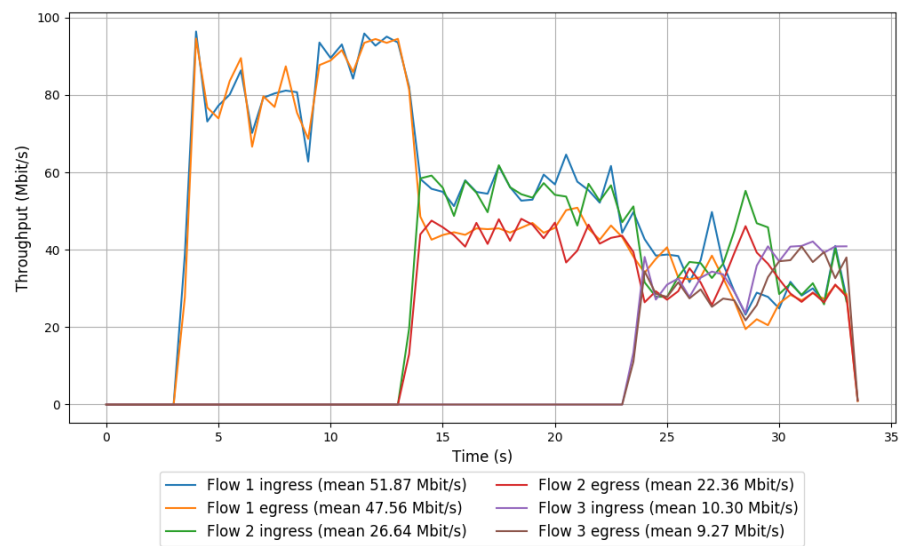
Average throughput: 9.27 Mbit/s

95th percentile per-packet one-way delay: 85.435 ms

Loss rate: 10.04%



Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 19:25:28 +0000

End at: Tue, 04 Jul 2017 19:25:58 +0000

Local clock offset: 0.877 ms

Remote clock offset: -2.417 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:20:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.63 Mbit/s

95th percentile per-packet one-way delay: 85.034 ms

Loss rate: 15.20%

-- Flow 1:

Average throughput: 46.62 Mbit/s

95th percentile per-packet one-way delay: 83.308 ms

Loss rate: 11.31%

-- Flow 2:

Average throughput: 21.95 Mbit/s

95th percentile per-packet one-way delay: 86.466 ms

Loss rate: 21.51%

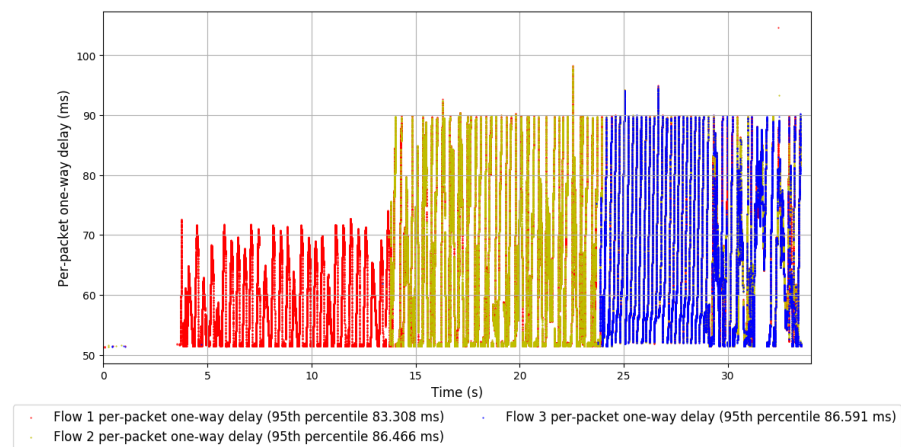
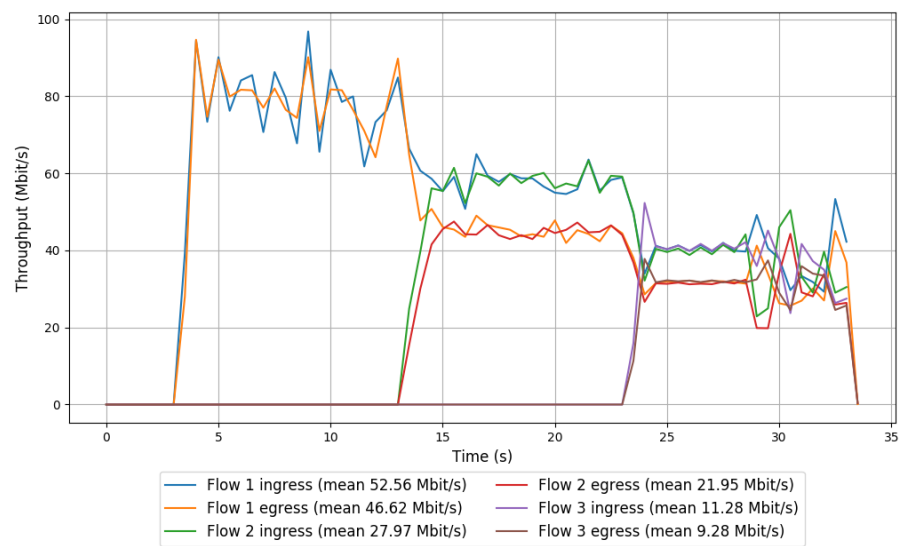
-- Flow 3:

Average throughput: 9.28 Mbit/s

95th percentile per-packet one-way delay: 86.591 ms

Loss rate: 17.75%

Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 19:46:05 +0000

End at: Tue, 04 Jul 2017 19:46:35 +0000

Local clock offset: 0.804 ms

Remote clock offset: -2.307 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:21:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.58 Mbit/s

95th percentile per-packet one-way delay: 83.263 ms

Loss rate: 13.90%

-- Flow 1:

Average throughput: 47.61 Mbit/s

95th percentile per-packet one-way delay: 81.431 ms

Loss rate: 10.35%

-- Flow 2:

Average throughput: 22.61 Mbit/s

95th percentile per-packet one-way delay: 85.156 ms

Loss rate: 19.88%

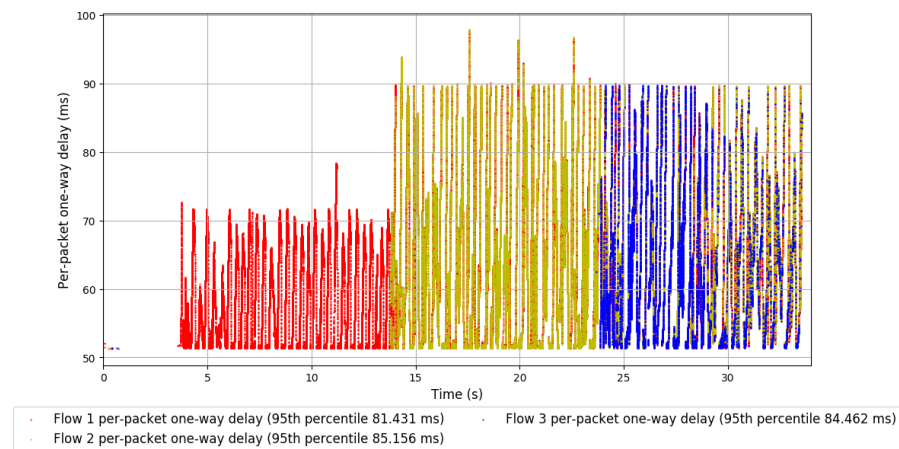
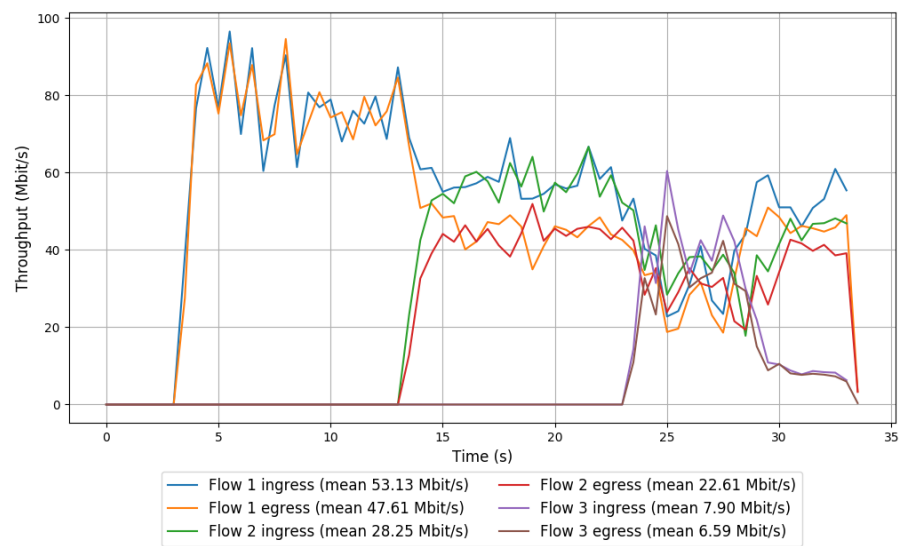
-- Flow 3:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 84.462 ms

Loss rate: 16.60%

Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:06:35 +0000

End at: Tue, 04 Jul 2017 20:07:05 +0000

Local clock offset: 0.806 ms

Remote clock offset: -2.045 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:21:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.55 Mbit/s

95th percentile per-packet one-way delay: 84.589 ms

Loss rate: 14.58%

-- Flow 1:

Average throughput: 44.43 Mbit/s

95th percentile per-packet one-way delay: 82.446 ms

Loss rate: 10.81%

-- Flow 2:

Average throughput: 23.94 Mbit/s

95th percentile per-packet one-way delay: 85.910 ms

Loss rate: 19.87%

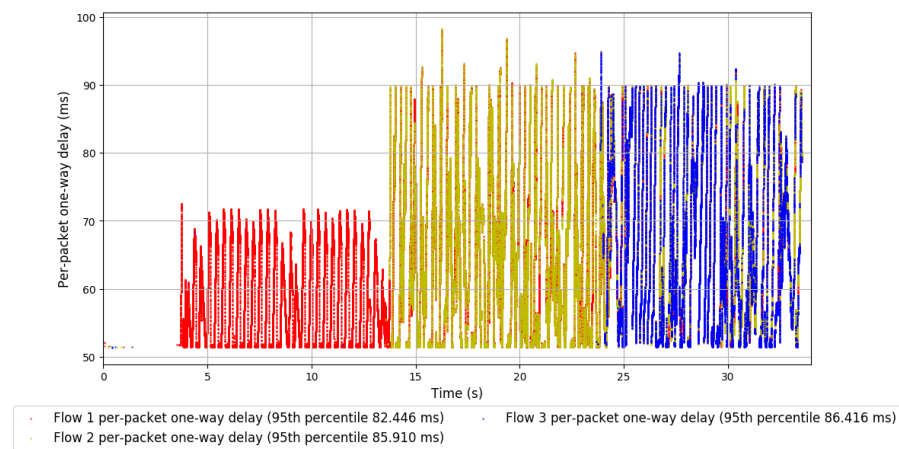
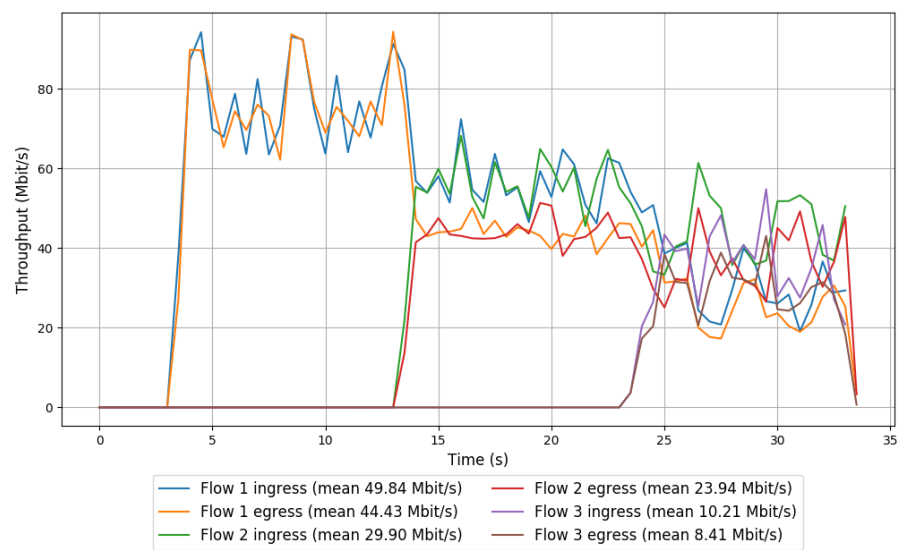
-- Flow 3:

Average throughput: 8.41 Mbit/s

95th percentile per-packet one-way delay: 86.416 ms

Loss rate: 17.59%

Run 5: Report of TaoVA-100x — Data Link



Run 6: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:27:05 +0000

End at: Tue, 04 Jul 2017 20:27:35 +0000

Local clock offset: 0.836 ms

Remote clock offset: -2.08 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:21:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.08 Mbit/s

95th percentile per-packet one-way delay: 83.242 ms

Loss rate: 14.76%

-- Flow 1:

Average throughput: 51.18 Mbit/s

95th percentile per-packet one-way delay: 81.501 ms

Loss rate: 11.31%

-- Flow 2:

Average throughput: 26.04 Mbit/s

95th percentile per-packet one-way delay: 85.311 ms

Loss rate: 20.84%

-- Flow 3:

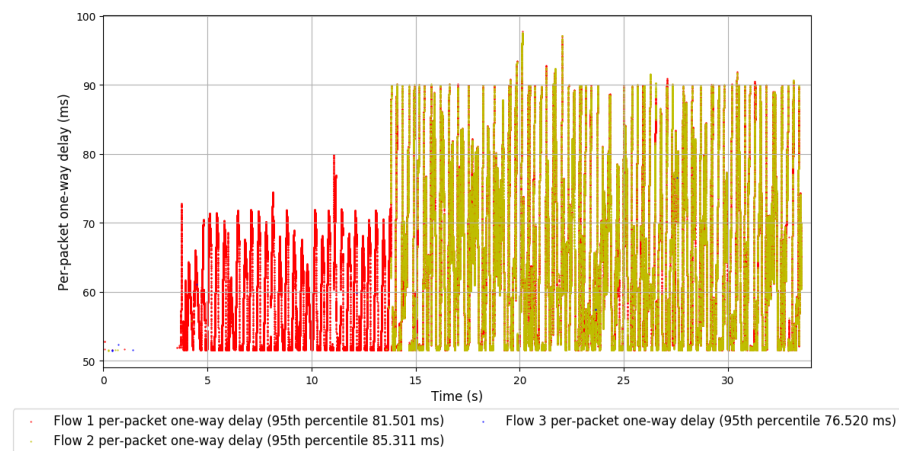
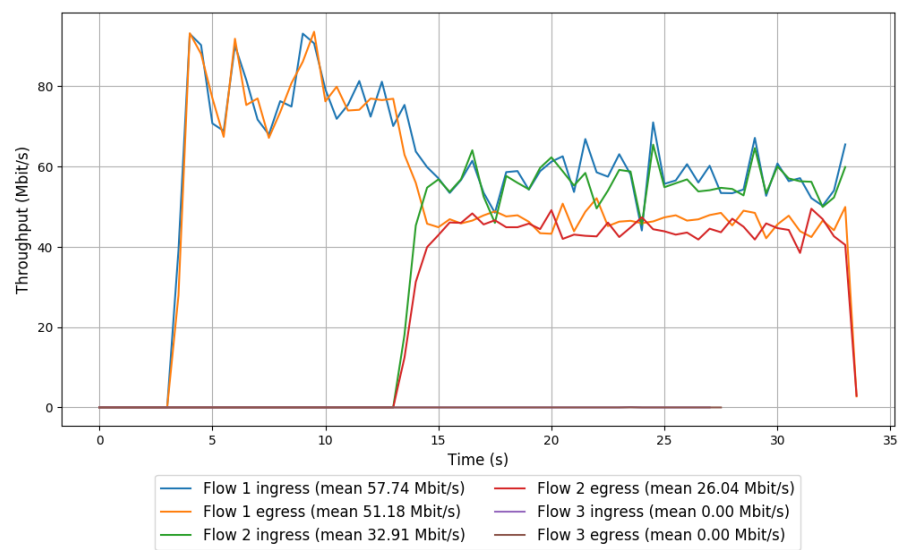
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 76.520 ms

Loss rate: 57.41%



Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:47:33 +0000

End at: Tue, 04 Jul 2017 20:48:03 +0000

Local clock offset: 0.794 ms

Remote clock offset: -4.328 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:21:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.32 Mbit/s

95th percentile per-packet one-way delay: 84.128 ms

Loss rate: 14.54%

-- Flow 1:

Average throughput: 50.15 Mbit/s

95th percentile per-packet one-way delay: 82.788 ms

Loss rate: 11.51%

-- Flow 2:

Average throughput: 25.61 Mbit/s

95th percentile per-packet one-way delay: 86.054 ms

Loss rate: 19.90%

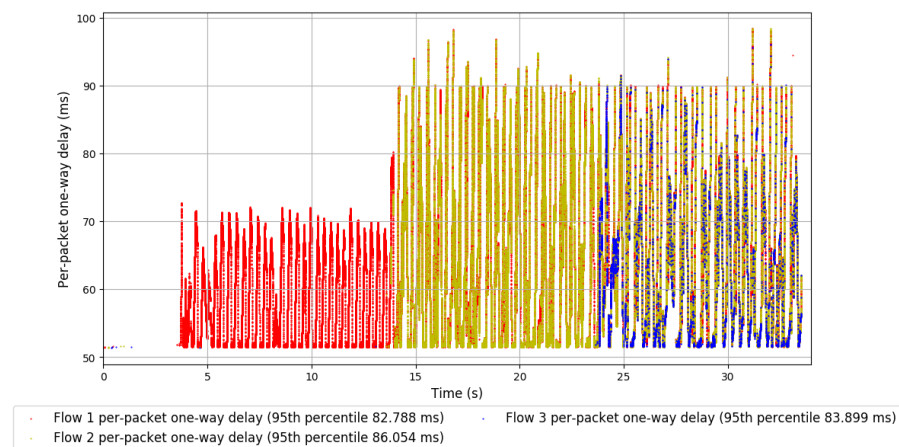
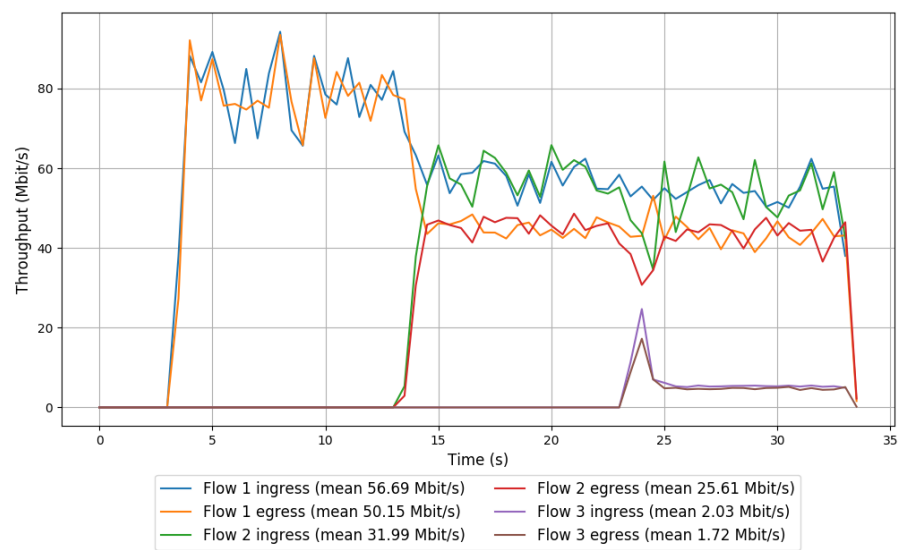
-- Flow 3:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 83.899 ms

Loss rate: 15.02%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 21:08:03 +0000

End at: Tue, 04 Jul 2017 21:08:33 +0000

Local clock offset: 0.512 ms

Remote clock offset: -4.272 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:21:47 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.79 Mbit/s

95th percentile per-packet one-way delay: 84.654 ms

Loss rate: 13.52%

-- Flow 1:

Average throughput: 41.71 Mbit/s

95th percentile per-packet one-way delay: 82.232 ms

Loss rate: 9.73%

-- Flow 2:

Average throughput: 25.27 Mbit/s

95th percentile per-packet one-way delay: 86.264 ms

Loss rate: 18.18%

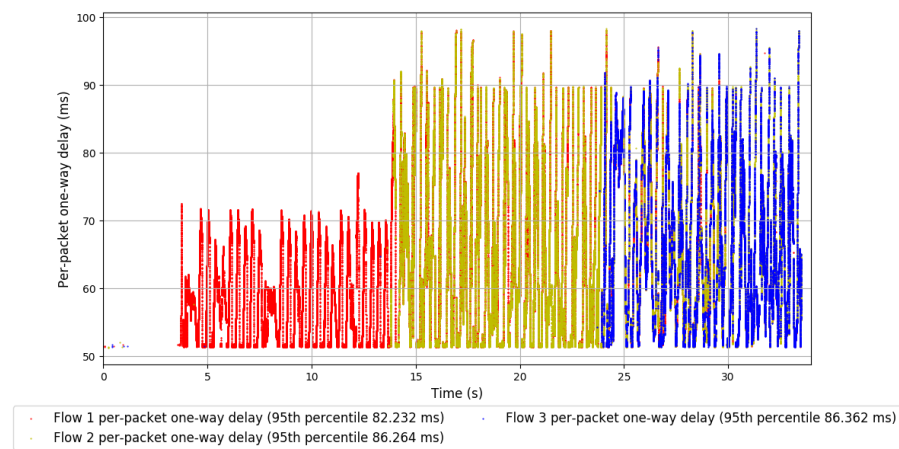
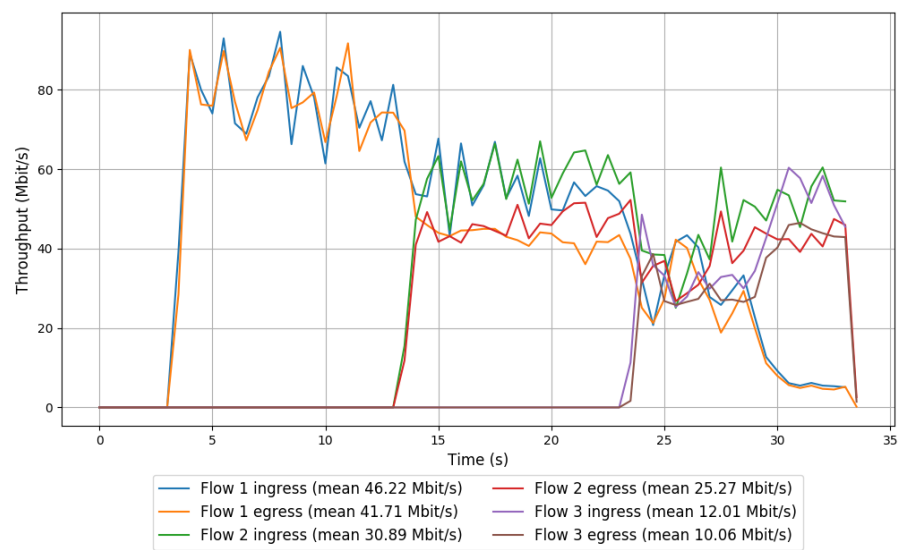
-- Flow 3:

Average throughput: 10.06 Mbit/s

95th percentile per-packet one-way delay: 86.362 ms

Loss rate: 16.24%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 21:28:32 +0000

End at: Tue, 04 Jul 2017 21:29:02 +0000

Local clock offset: 0.232 ms

Remote clock offset: -1.756 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.93 Mbit/s

95th percentile per-packet one-way delay: 86.218 ms

Loss rate: 15.11%

-- Flow 1:

Average throughput: 38.41 Mbit/s

95th percentile per-packet one-way delay: 83.175 ms

Loss rate: 9.84%

-- Flow 2:

Average throughput: 25.73 Mbit/s

95th percentile per-packet one-way delay: 87.795 ms

Loss rate: 20.45%

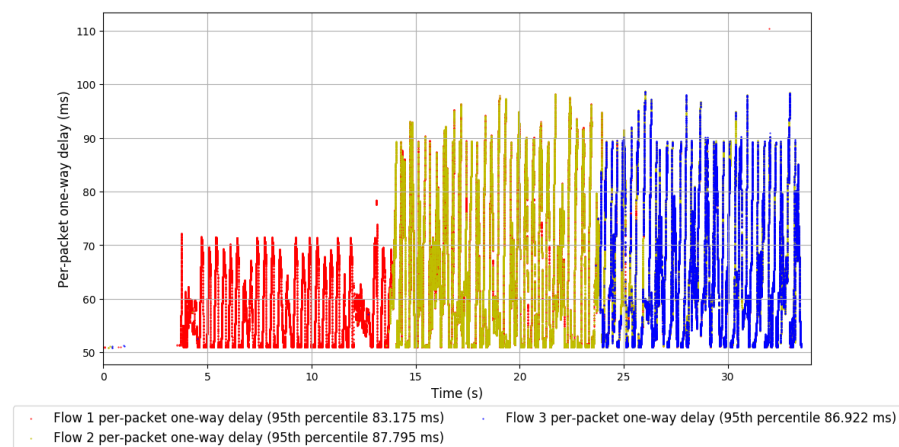
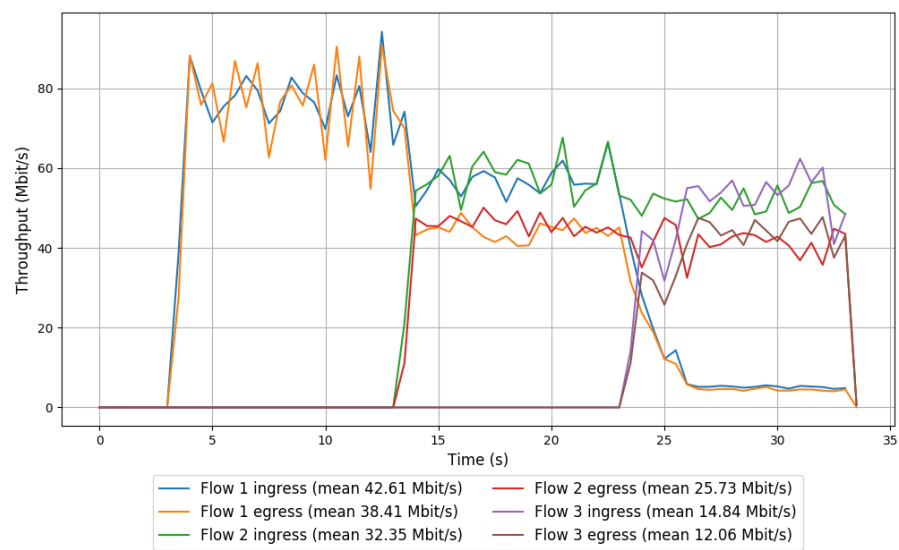
-- Flow 3:

Average throughput: 12.06 Mbit/s

95th percentile per-packet one-way delay: 86.922 ms

Loss rate: 18.73%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 21:48:53 +0000

End at: Tue, 04 Jul 2017 21:49:23 +0000

Local clock offset: 0.166 ms

Remote clock offset: -3.997 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:10 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.69 Mbit/s

95th percentile per-packet one-way delay: 83.708 ms

Loss rate: 12.72%

-- Flow 1:

Average throughput: 45.91 Mbit/s

95th percentile per-packet one-way delay: 81.872 ms

Loss rate: 10.18%

-- Flow 2:

Average throughput: 23.52 Mbit/s

95th percentile per-packet one-way delay: 85.890 ms

Loss rate: 16.39%

-- Flow 3:

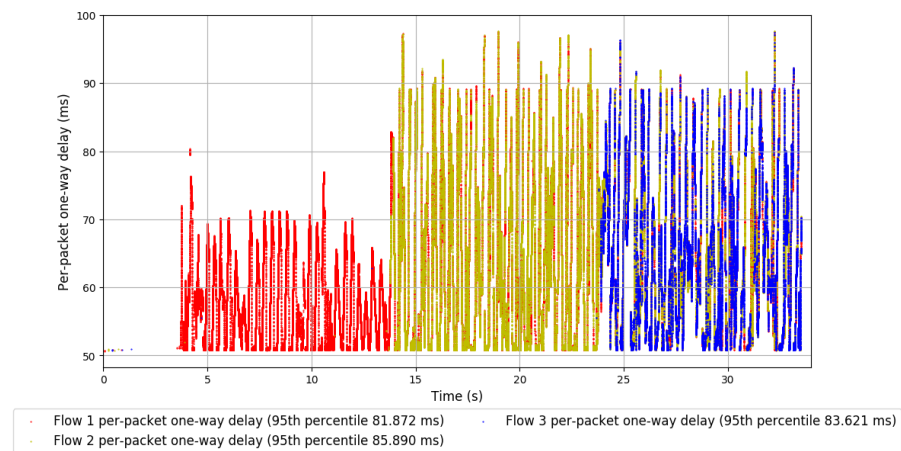
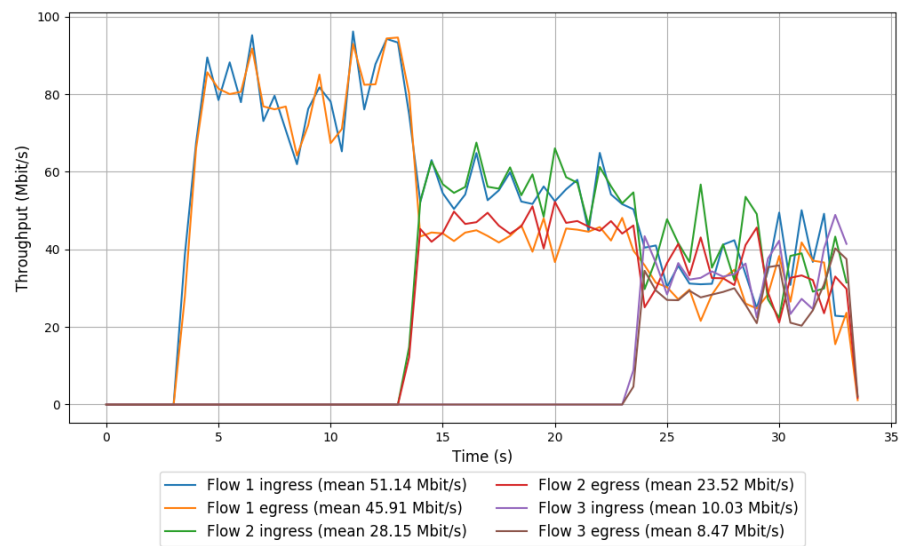
Average throughput: 8.47 Mbit/s

95th percentile per-packet one-way delay: 83.621 ms

Loss rate: 15.46%



Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 18:45:51 +0000

End at: Tue, 04 Jul 2017 18:46:21 +0000

Local clock offset: 0.936 ms

Remote clock offset: -2.497 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:12 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.82 Mbit/s

95th percentile per-packet one-way delay: 66.558 ms

Loss rate: 3.13%

-- Flow 1:

Average throughput: 15.82 Mbit/s

95th percentile per-packet one-way delay: 69.809 ms

Loss rate: 3.93%

-- Flow 2:

Average throughput: 14.36 Mbit/s

95th percentile per-packet one-way delay: 70.641 ms

Loss rate: 2.99%

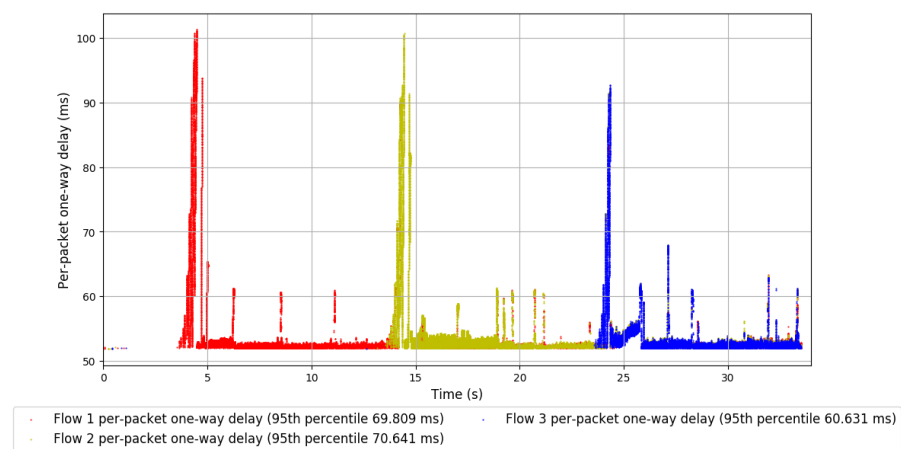
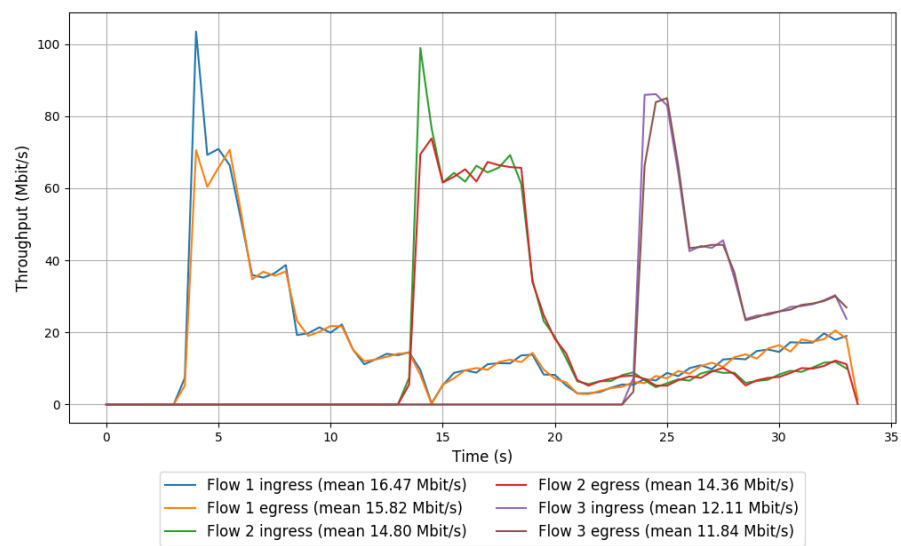
-- Flow 3:

Average throughput: 11.84 Mbit/s

95th percentile per-packet one-way delay: 60.631 ms

Loss rate: 2.22%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 19:06:24 +0000

End at: Tue, 04 Jul 2017 19:06:54 +0000

Local clock offset: 0.836 ms

Remote clock offset: -4.654 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 60.34 Mbit/s

95th percentile per-packet one-way delay: 60.803 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 31.01 Mbit/s

95th percentile per-packet one-way delay: 60.302 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 21.32 Mbit/s

95th percentile per-packet one-way delay: 61.951 ms

Loss rate: 0.12%

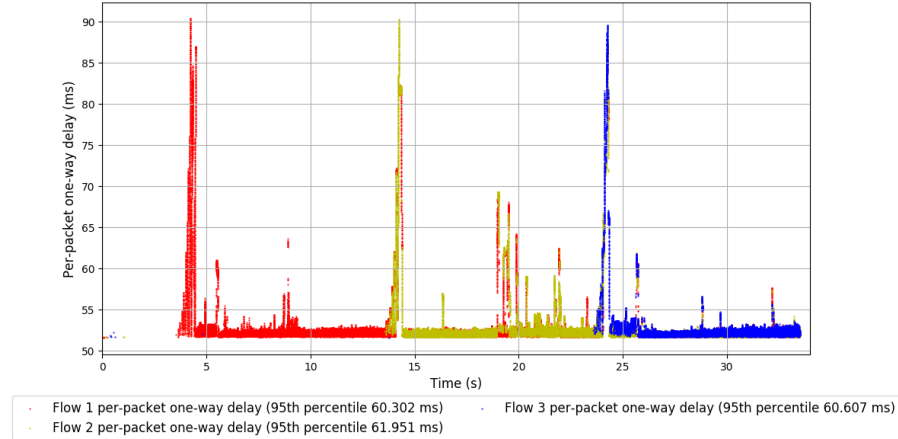
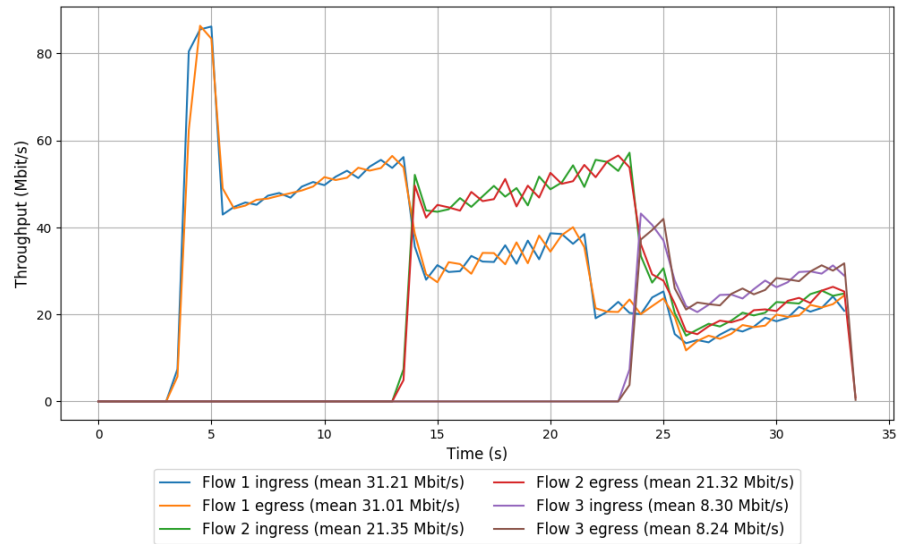
-- Flow 3:

Average throughput: 8.24 Mbit/s

95th percentile per-packet one-way delay: 60.607 ms

Loss rate: 0.87%

## Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 19:26:56 +0000

End at: Tue, 04 Jul 2017 19:27:26 +0000

Local clock offset: 0.875 ms

Remote clock offset: -1.506 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.60 Mbit/s

95th percentile per-packet one-way delay: 61.456 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 66.49 Mbit/s

95th percentile per-packet one-way delay: 61.375 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 6.01 Mbit/s

95th percentile per-packet one-way delay: 62.289 ms

Loss rate: 0.17%

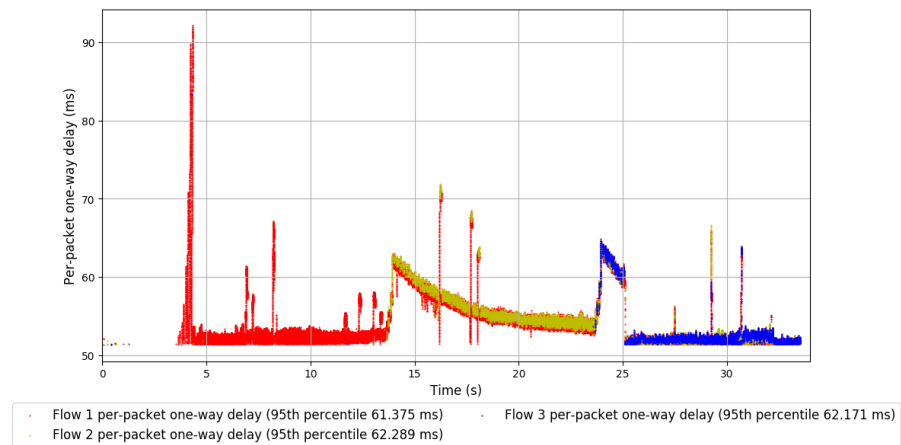
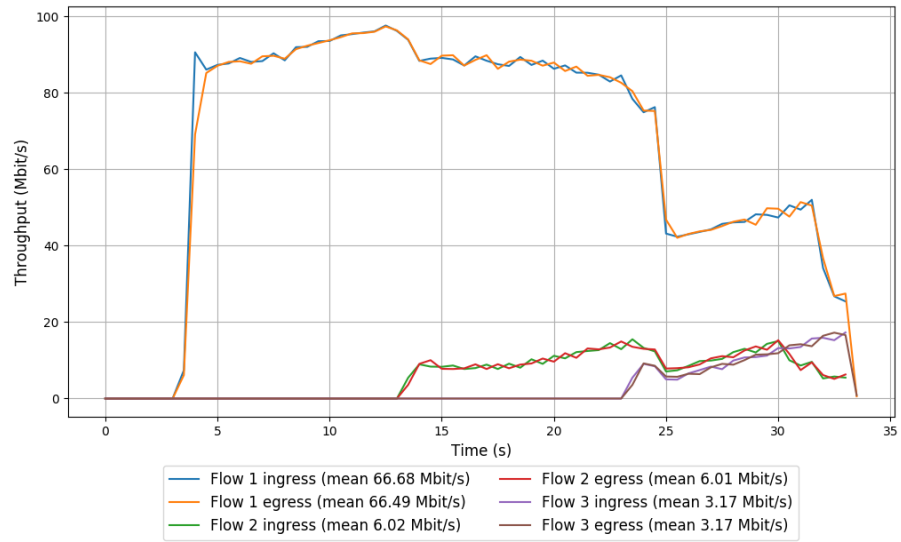
-- Flow 3:

Average throughput: 3.17 Mbit/s

95th percentile per-packet one-way delay: 62.171 ms

Loss rate: 0.02%

### Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 19:47:34 +0000

End at: Tue, 04 Jul 2017 19:48:04 +0000

Local clock offset: 0.893 ms

Remote clock offset: -2.256 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.06 Mbit/s

95th percentile per-packet one-way delay: 63.470 ms

Loss rate: 1.75%

-- Flow 1:

Average throughput: 20.54 Mbit/s

95th percentile per-packet one-way delay: 62.439 ms

Loss rate: 2.26%

-- Flow 2:

Average throughput: 8.40 Mbit/s

95th percentile per-packet one-way delay: 68.659 ms

Loss rate: 0.25%

-- Flow 3:

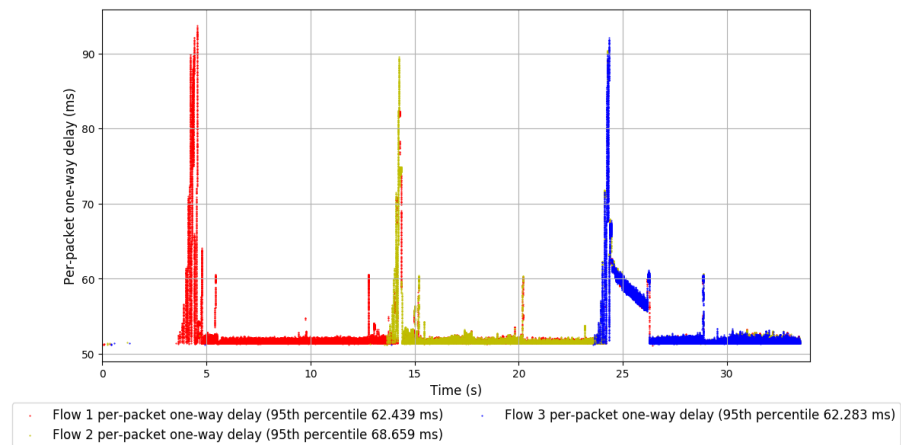
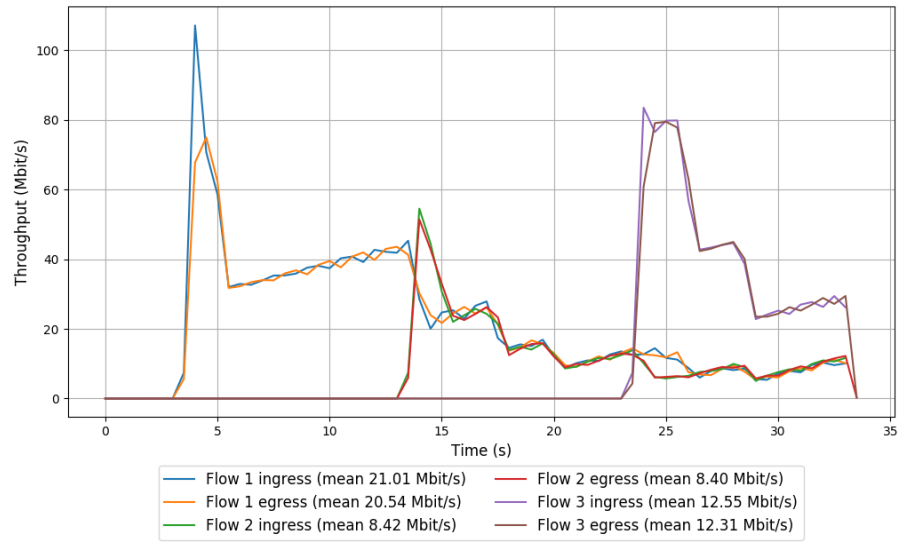
Average throughput: 12.31 Mbit/s

95th percentile per-packet one-way delay: 62.283 ms

Loss rate: 1.89%



# Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 20:08:03 +0000

End at: Tue, 04 Jul 2017 20:08:33 +0000

Local clock offset: 0.858 ms

Remote clock offset: -1.811 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:35 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.88 Mbit/s

95th percentile per-packet one-way delay: 69.611 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 37.13 Mbit/s

95th percentile per-packet one-way delay: 78.331 ms

Loss rate: 1.94%

-- Flow 2:

Average throughput: 17.59 Mbit/s

95th percentile per-packet one-way delay: 60.612 ms

Loss rate: 0.68%

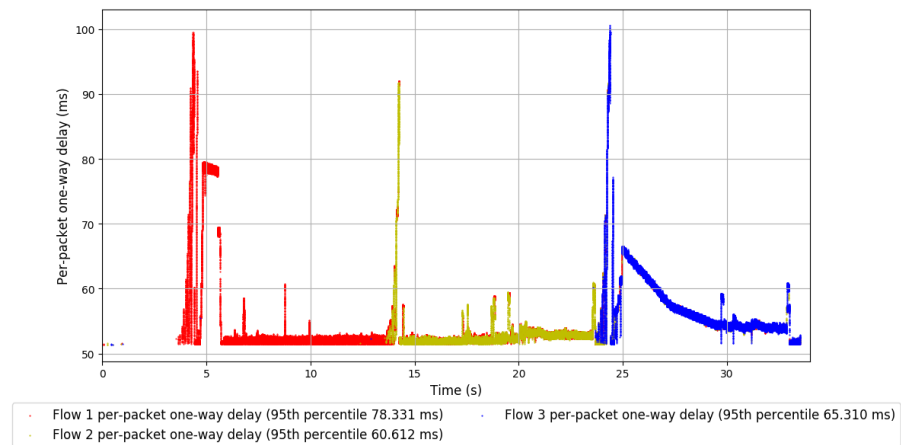
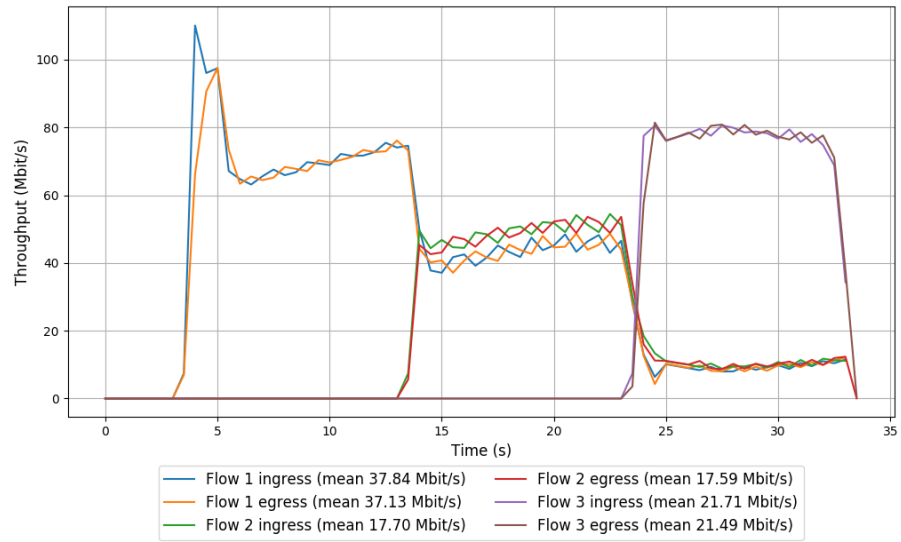
-- Flow 3:

Average throughput: 21.49 Mbit/s

95th percentile per-packet one-way delay: 65.310 ms

Loss rate: 1.05%

## Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 20:28:33 +0000

End at: Tue, 04 Jul 2017 20:29:03 +0000

Local clock offset: 0.817 ms

Remote clock offset: -2.259 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 60.69 Mbit/s

95th percentile per-packet one-way delay: 69.064 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 27.57 Mbit/s

95th percentile per-packet one-way delay: 72.373 ms

Loss rate: 1.58%

-- Flow 2:

Average throughput: 19.81 Mbit/s

95th percentile per-packet one-way delay: 60.452 ms

Loss rate: 1.13%

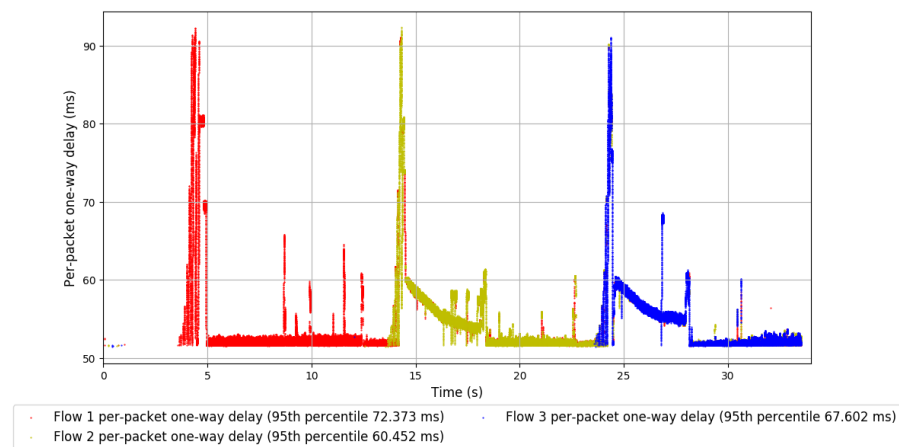
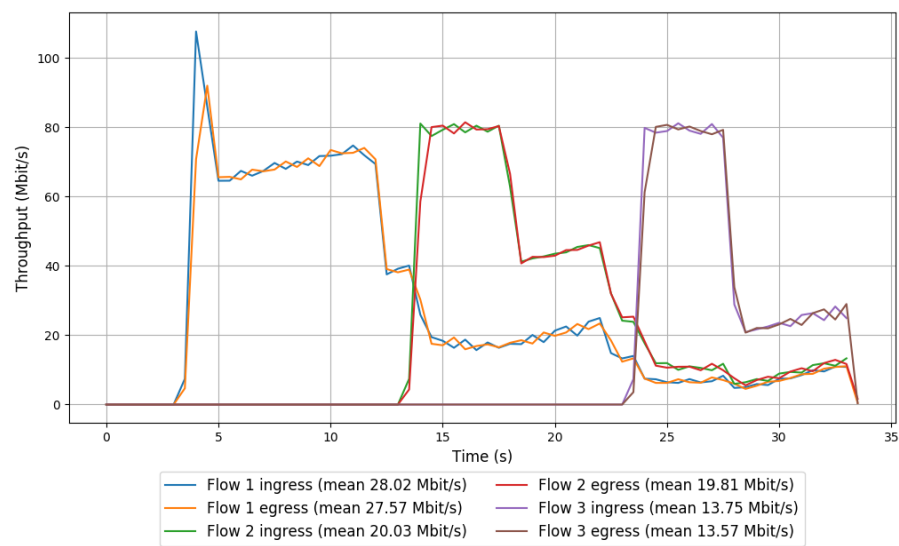
-- Flow 3:

Average throughput: 13.57 Mbit/s

95th percentile per-packet one-way delay: 67.602 ms

Loss rate: 1.32%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 20:49:01 +0000

End at: Tue, 04 Jul 2017 20:49:31 +0000

Local clock offset: 0.797 ms

Remote clock offset: -4.191 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 59.29 Mbit/s

95th percentile per-packet one-way delay: 64.689 ms

Loss rate: 2.02%

-- Flow 1:

Average throughput: 21.03 Mbit/s

95th percentile per-packet one-way delay: 65.278 ms

Loss rate: 2.90%

-- Flow 2:

Average throughput: 24.31 Mbit/s

95th percentile per-packet one-way delay: 62.977 ms

Loss rate: 1.20%

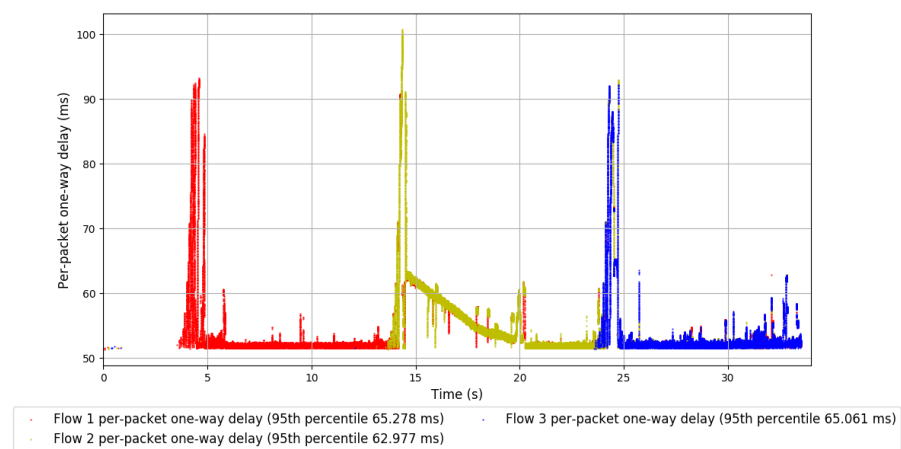
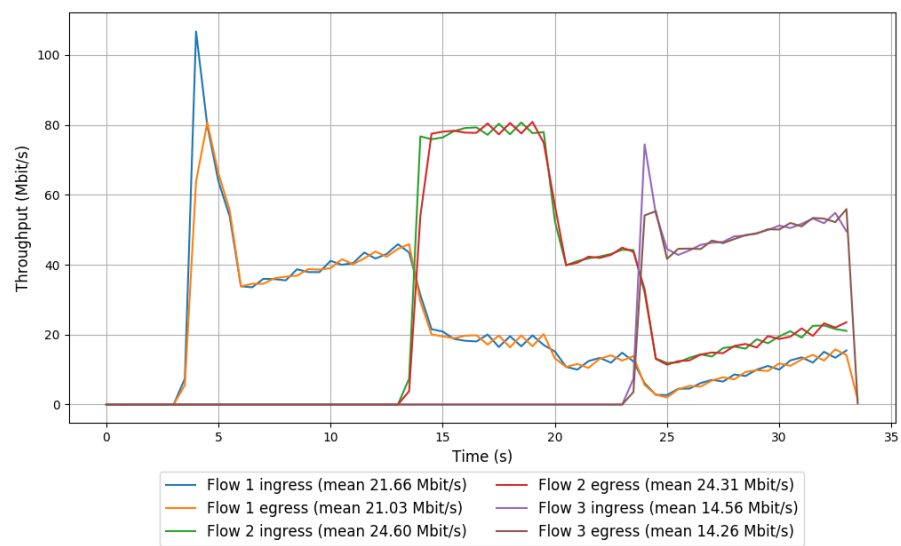
-- Flow 3:

Average throughput: 14.26 Mbit/s

95th percentile per-packet one-way delay: 65.061 ms

Loss rate: 2.09%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:09:32 +0000

End at: Tue, 04 Jul 2017 21:10:02 +0000

Local clock offset: 0.532 ms

Remote clock offset: -4.243 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 29.69 Mbit/s

95th percentile per-packet one-way delay: 68.125 ms

Loss rate: 2.94%

-- Flow 1:

Average throughput: 12.41 Mbit/s

95th percentile per-packet one-way delay: 62.997 ms

Loss rate: 2.56%

-- Flow 2:

Average throughput: 10.96 Mbit/s

95th percentile per-packet one-way delay: 66.310 ms

Loss rate: 2.57%

-- Flow 3:

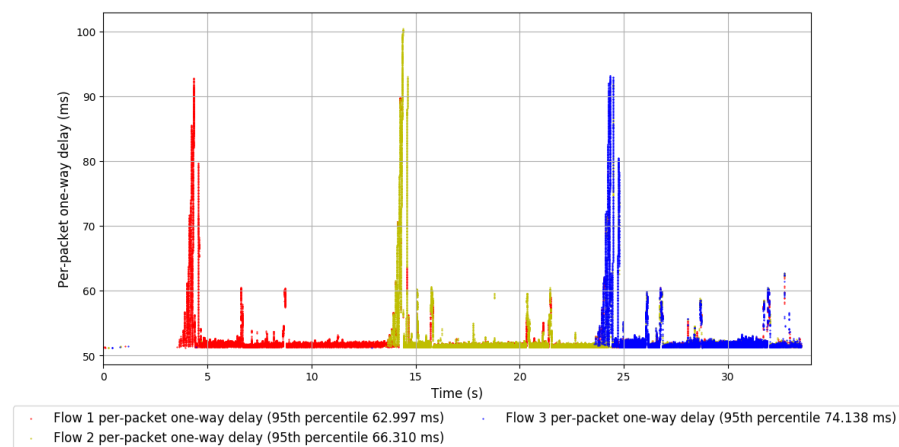
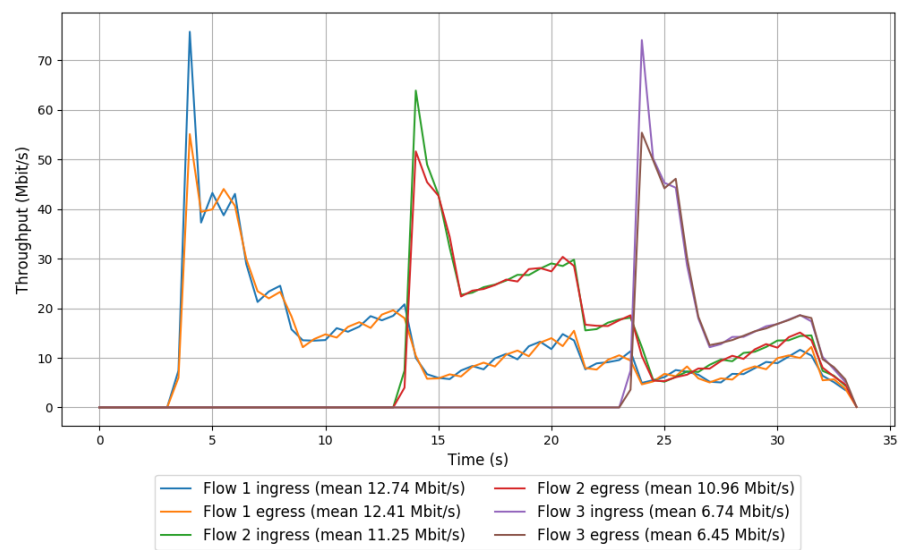
Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 74.138 ms

Loss rate: 4.30%



Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:30:00 +0000

End at: Tue, 04 Jul 2017 21:30:30 +0000

Local clock offset: 0.32 ms

Remote clock offset: -2.082 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 9.83 Mbit/s

95th percentile per-packet one-way delay: 65.264 ms

Loss rate: 3.15%

-- Flow 1:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 59.100 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 79.899 ms

Loss rate: 5.60%

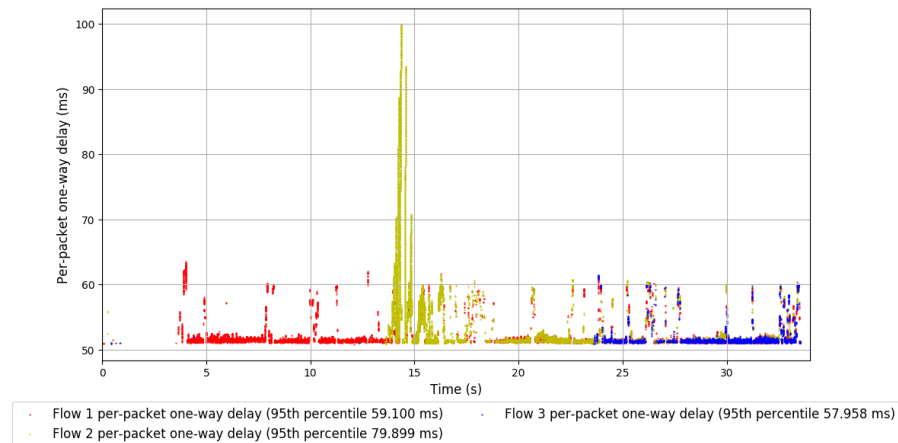
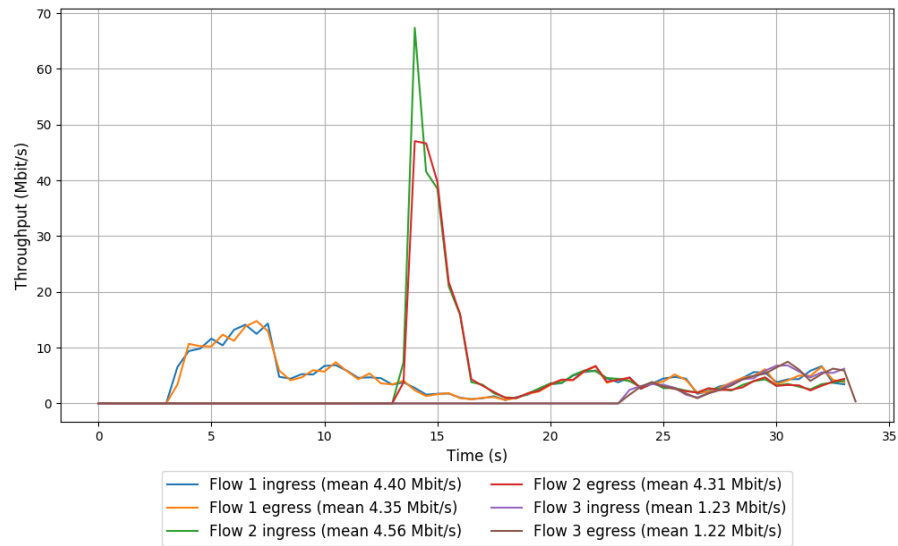
-- Flow 3:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 57.958 ms

Loss rate: 1.23%

# Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:50:21 +0000

End at: Tue, 04 Jul 2017 21:50:51 +0000

Local clock offset: 0.169 ms

Remote clock offset: -2.069 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 52.45 Mbit/s

95th percentile per-packet one-way delay: 64.198 ms

Loss rate: 2.10%

-- Flow 1:

Average throughput: 19.58 Mbit/s

95th percentile per-packet one-way delay: 64.367 ms

Loss rate: 2.89%

-- Flow 2:

Average throughput: 17.11 Mbit/s

95th percentile per-packet one-way delay: 61.772 ms

Loss rate: 1.47%

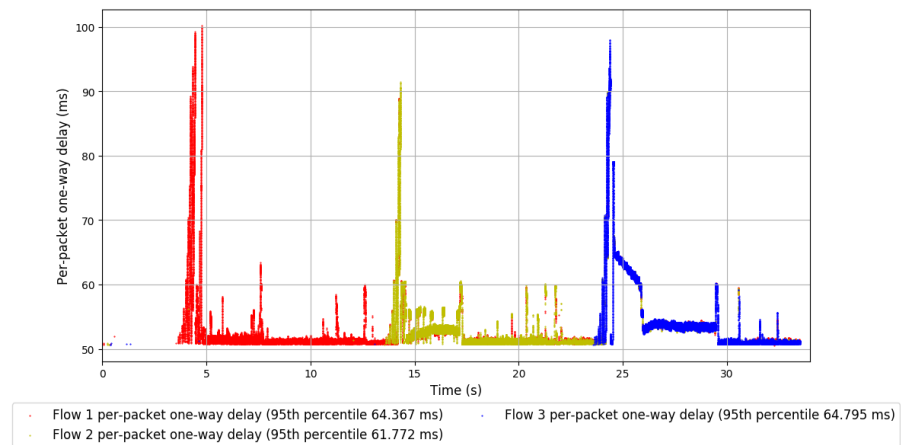
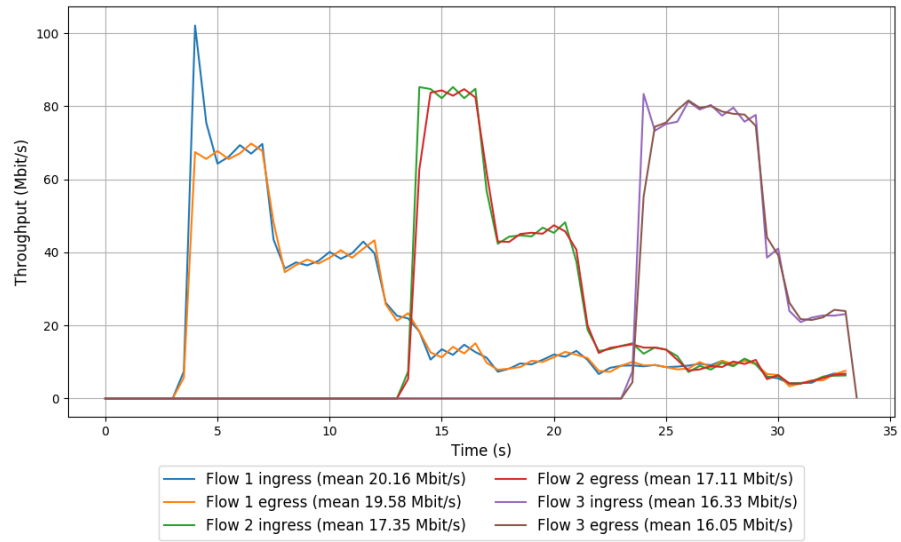
-- Flow 3:

Average throughput: 16.05 Mbit/s

95th percentile per-packet one-way delay: 64.795 ms

Loss rate: 1.78%

# Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Tue, 04 Jul 2017 18:47:12 +0000

End at: Tue, 04 Jul 2017 18:47:42 +0000

Local clock offset: 0.92 ms

Remote clock offset: -4.563 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:22:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 89.043 ms

Loss rate: 35.19%

-- Flow 1:

Average throughput: 26.68 Mbit/s

95th percentile per-packet one-way delay: 88.138 ms

Loss rate: 24.06%

-- Flow 2:

Average throughput: 18.12 Mbit/s

95th percentile per-packet one-way delay: 89.992 ms

Loss rate: 43.64%

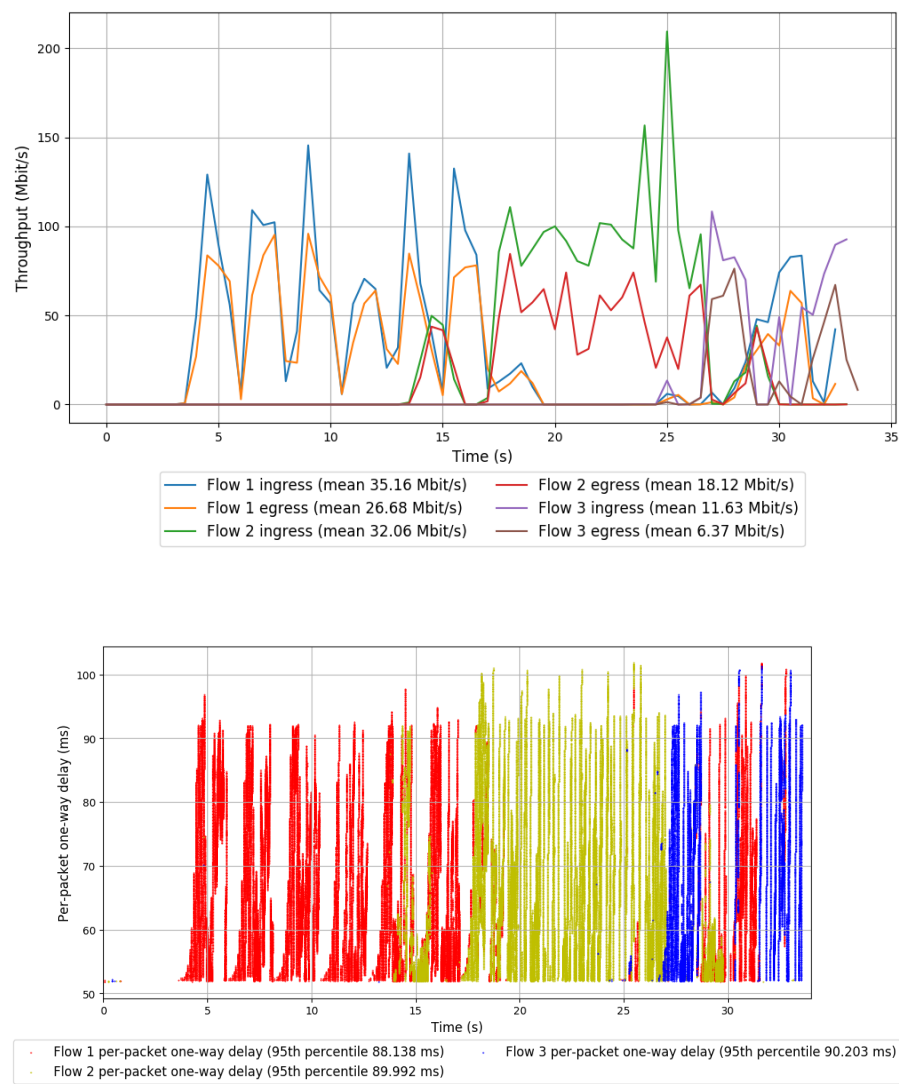
-- Flow 3:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 90.203 ms

Loss rate: 45.15%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:07:48 +0000

End at: Tue, 04 Jul 2017 19:08:18 +0000

Local clock offset: 0.9 ms

Remote clock offset: -1.719 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 58.14 Mbit/s

95th percentile per-packet one-way delay: 90.754 ms

Loss rate: 43.09%

-- Flow 1:

Average throughput: 26.91 Mbit/s

95th percentile per-packet one-way delay: 89.025 ms

Loss rate: 29.24%

-- Flow 2:

Average throughput: 34.00 Mbit/s

95th percentile per-packet one-way delay: 91.399 ms

Loss rate: 49.49%

-- Flow 3:

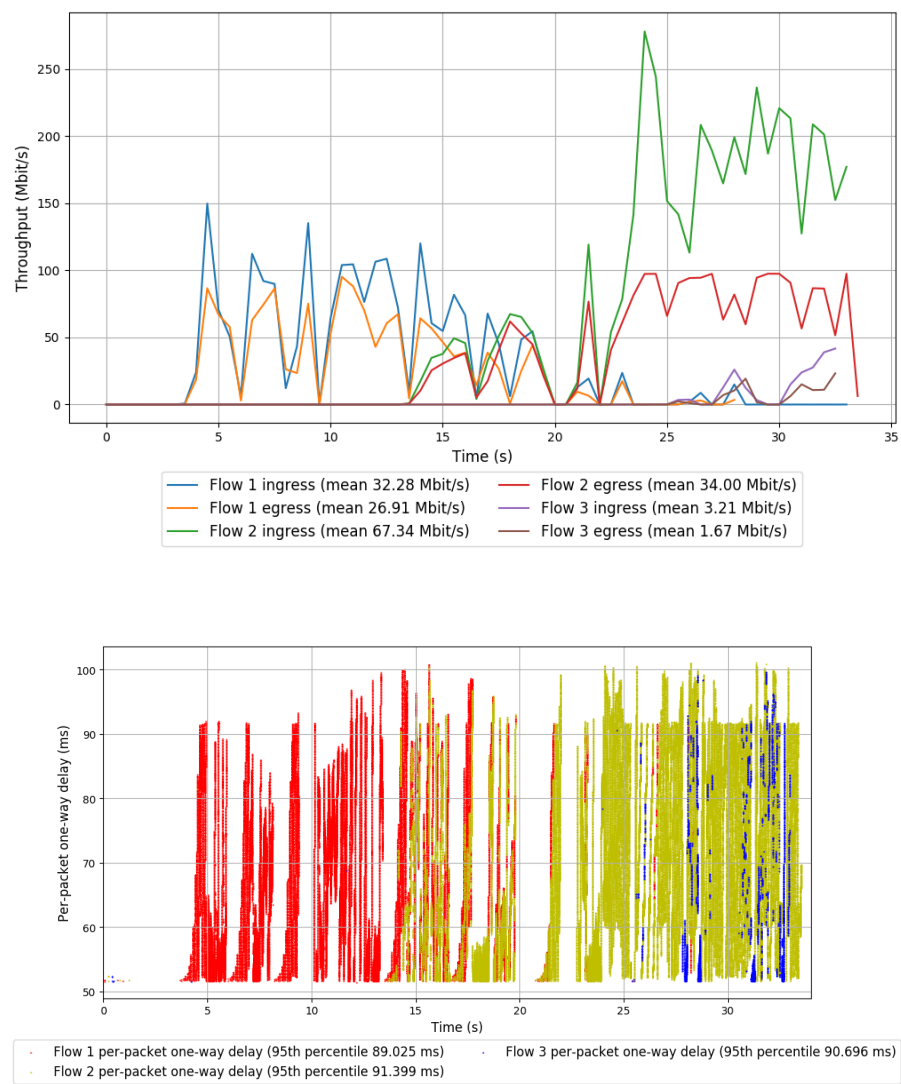
Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 90.696 ms

Loss rate: 48.13%



Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:28:19 +0000

End at: Tue, 04 Jul 2017 19:28:49 +0000

Local clock offset: 0.788 ms

Remote clock offset: -4.102 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.15 Mbit/s

95th percentile per-packet one-way delay: 88.391 ms

Loss rate: 29.85%

-- Flow 1:

Average throughput: 31.68 Mbit/s

95th percentile per-packet one-way delay: 88.079 ms

Loss rate: 29.22%

-- Flow 2:

Average throughput: 15.75 Mbit/s

95th percentile per-packet one-way delay: 88.965 ms

Loss rate: 30.78%

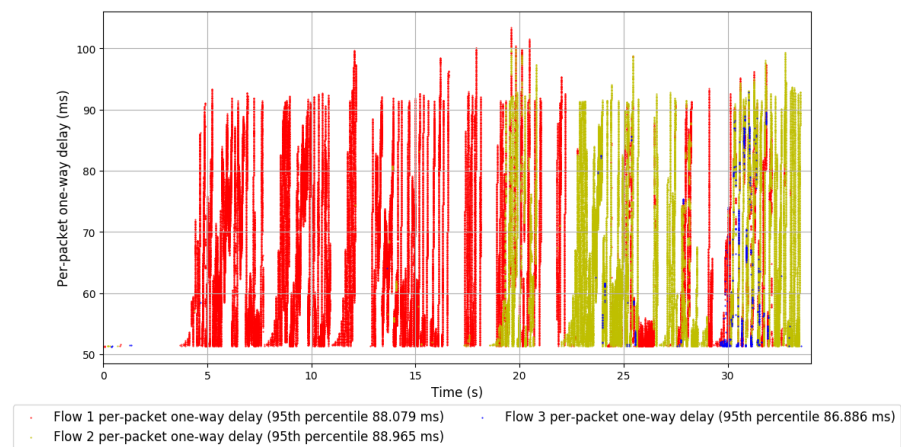
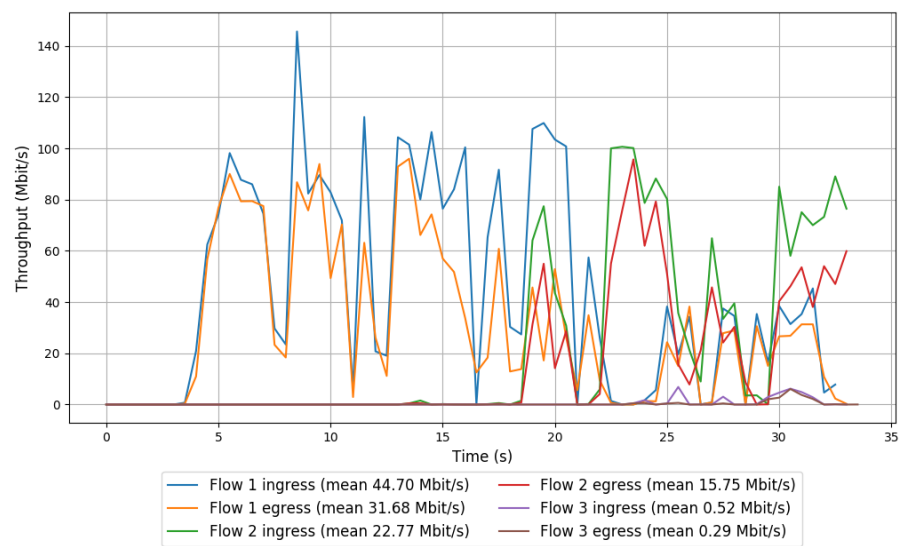
-- Flow 3:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 86.886 ms

Loss rate: 43.40%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:48:55 +0000

End at: Tue, 04 Jul 2017 19:49:25 +0000

Local clock offset: 0.784 ms

Remote clock offset: -3.501 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 52.44 Mbit/s

95th percentile per-packet one-way delay: 88.074 ms

Loss rate: 29.16%

-- Flow 1:

Average throughput: 36.61 Mbit/s

95th percentile per-packet one-way delay: 88.423 ms

Loss rate: 31.32%

-- Flow 2:

Average throughput: 8.24 Mbit/s

95th percentile per-packet one-way delay: 87.040 ms

Loss rate: 21.18%

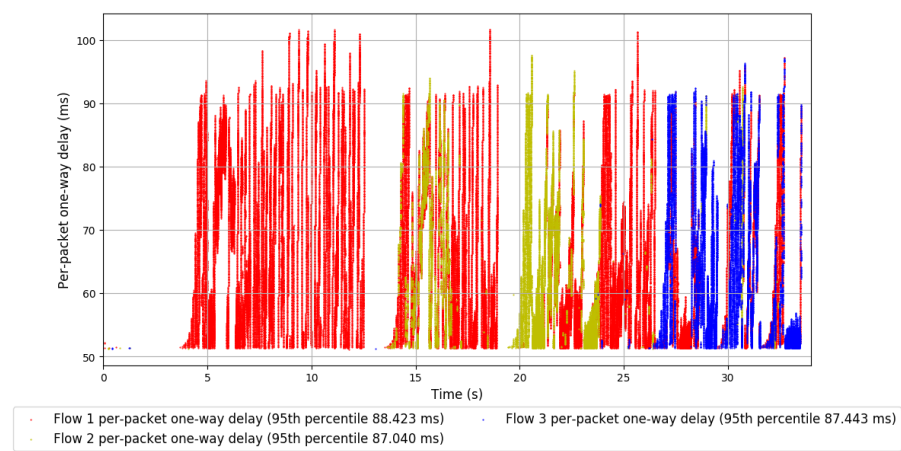
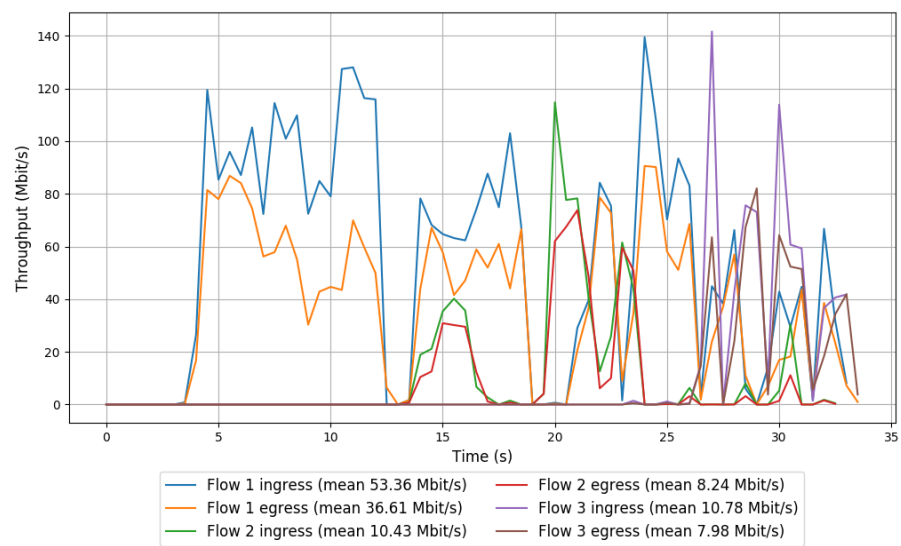
-- Flow 3:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 87.443 ms

Loss rate: 25.91%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:09:28 +0000

End at: Tue, 04 Jul 2017 20:09:58 +0000

Local clock offset: 0.847 ms

Remote clock offset: -4.518 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 58.11 Mbit/s

95th percentile per-packet one-way delay: 92.209 ms

Loss rate: 55.44%

-- Flow 1:

Average throughput: 50.13 Mbit/s

95th percentile per-packet one-way delay: 92.628 ms

Loss rate: 57.53%

-- Flow 2:

Average throughput: 0.96 Mbit/s

95th percentile per-packet one-way delay: 87.139 ms

Loss rate: 36.43%

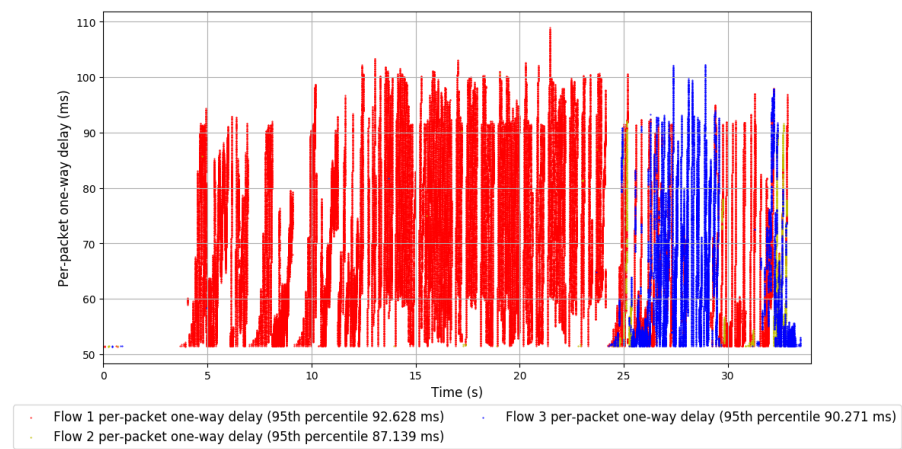
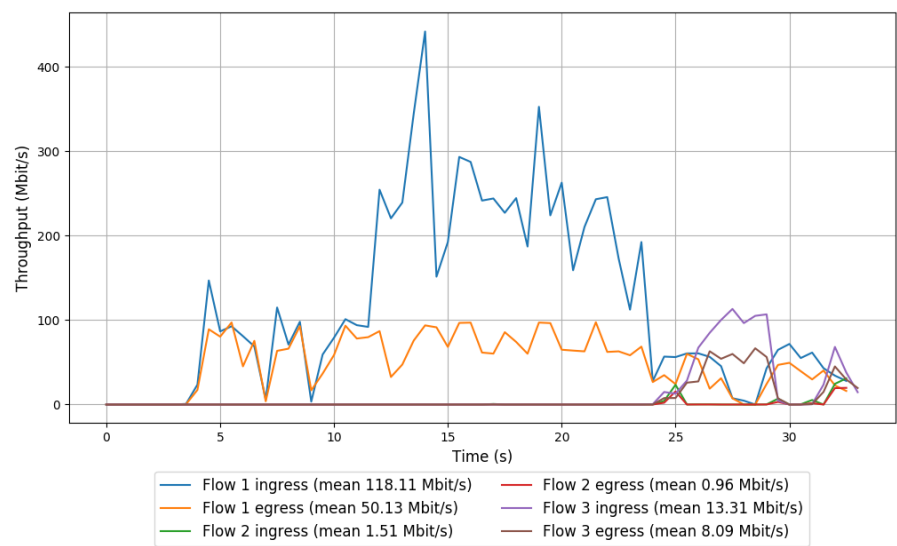
-- Flow 3:

Average throughput: 8.09 Mbit/s

95th percentile per-packet one-way delay: 90.271 ms

Loss rate: 39.21%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:29:55 +0000

End at: Tue, 04 Jul 2017 20:30:25 +0000

Local clock offset: 0.748 ms

Remote clock offset: -4.655 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 51.08 Mbit/s

95th percentile per-packet one-way delay: 91.938 ms

Loss rate: 39.11%

-- Flow 1:

Average throughput: 28.48 Mbit/s

95th percentile per-packet one-way delay: 92.466 ms

Loss rate: 45.20%

-- Flow 2:

Average throughput: 19.51 Mbit/s

95th percentile per-packet one-way delay: 90.936 ms

Loss rate: 25.89%

-- Flow 3:

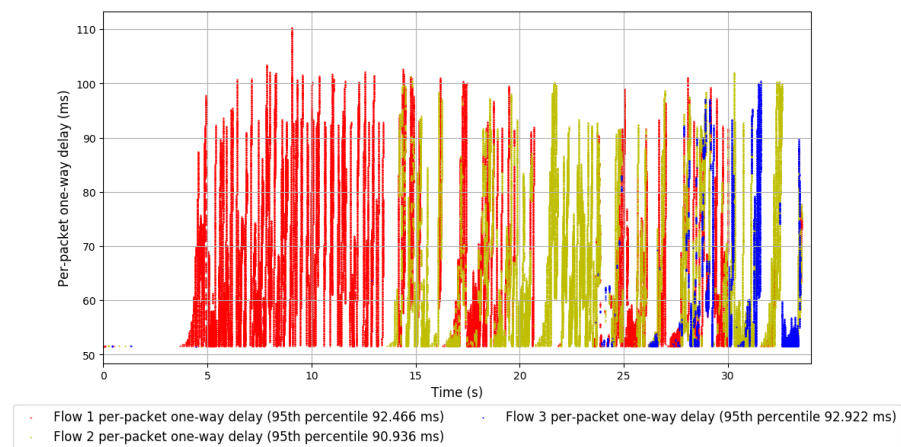
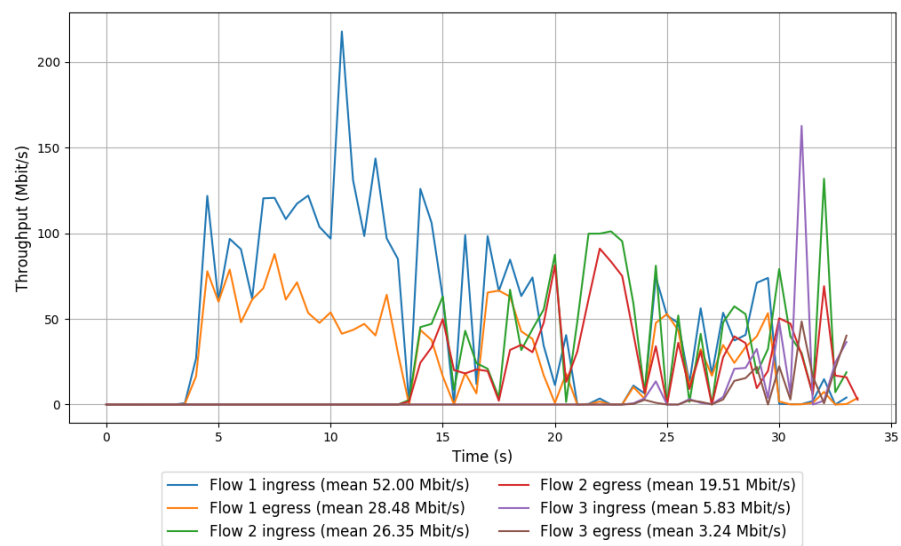
Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 92.922 ms

Loss rate: 44.31%



Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:50:23 +0000

End at: Tue, 04 Jul 2017 20:50:53 +0000

Local clock offset: 0.796 ms

Remote clock offset: -2.259 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 49.51 Mbit/s

95th percentile per-packet one-way delay: 93.867 ms

Loss rate: 59.14%

-- Flow 1:

Average throughput: 48.06 Mbit/s

95th percentile per-packet one-way delay: 93.972 ms

Loss rate: 59.58%

-- Flow 2:

Average throughput: 0.80 Mbit/s

95th percentile per-packet one-way delay: 86.216 ms

Loss rate: 26.16%

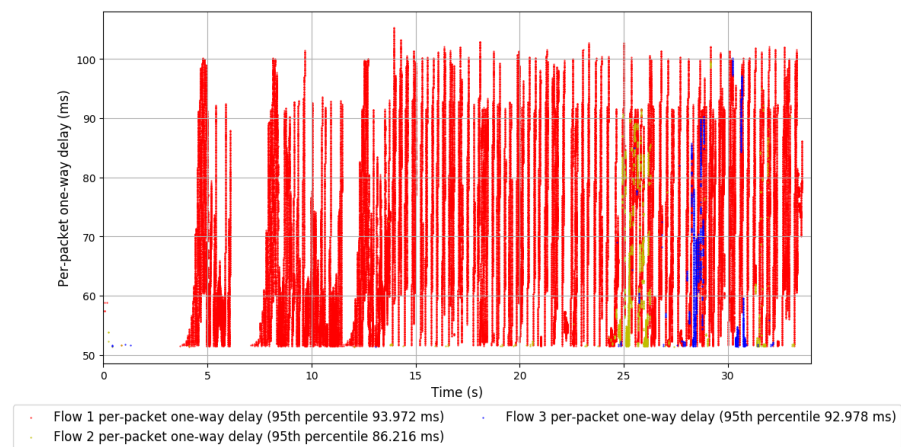
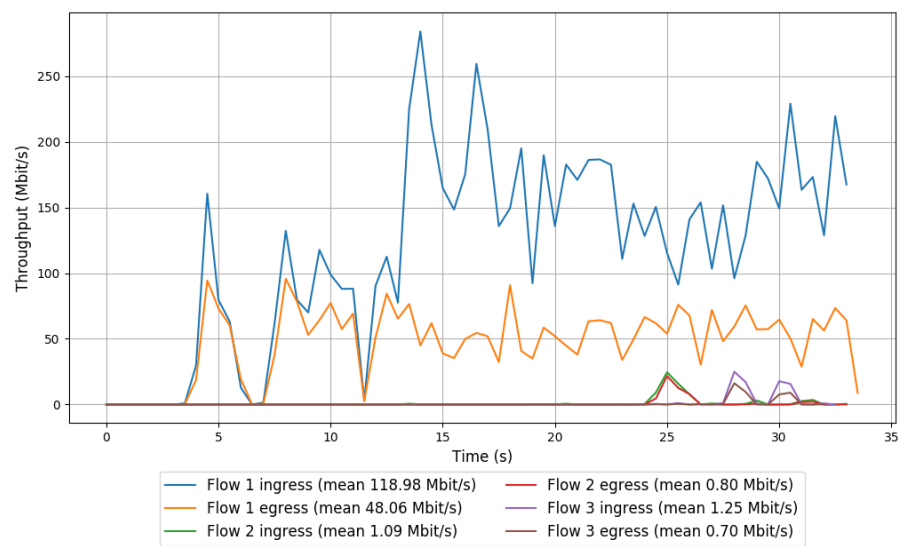
-- Flow 3:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 92.978 ms

Loss rate: 44.92%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Tue, 04 Jul 2017 21:10:52 +0000

End at: Tue, 04 Jul 2017 21:11:22 +0000

Local clock offset: 0.447 ms

Remote clock offset: -4.716 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:27 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.89 Mbit/s

95th percentile per-packet one-way delay: 91.559 ms

Loss rate: 49.27%

-- Flow 1:

Average throughput: 26.63 Mbit/s

95th percentile per-packet one-way delay: 89.996 ms

Loss rate: 32.88%

-- Flow 2:

Average throughput: 20.15 Mbit/s

95th percentile per-packet one-way delay: 93.796 ms

Loss rate: 62.18%

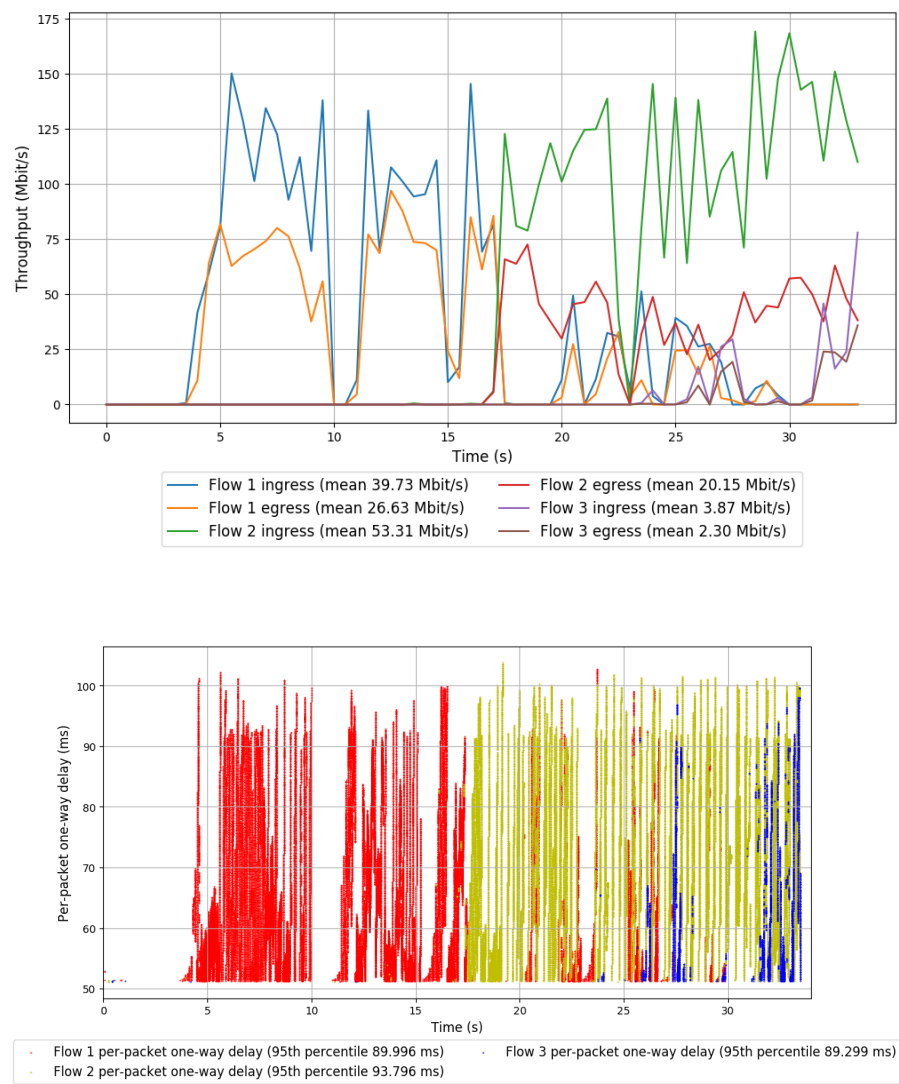
-- Flow 3:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 89.299 ms

Loss rate: 40.36%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Tue, 04 Jul 2017 21:31:19 +0000

End at: Tue, 04 Jul 2017 21:31:49 +0000

Local clock offset: 0.307 ms

Remote clock offset: -2.2 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 52.57 Mbit/s

95th percentile per-packet one-way delay: 92.300 ms

Loss rate: 53.65%

-- Flow 1:

Average throughput: 43.08 Mbit/s

95th percentile per-packet one-way delay: 92.786 ms

Loss rate: 55.98%

-- Flow 2:

Average throughput: 7.28 Mbit/s

95th percentile per-packet one-way delay: 90.197 ms

Loss rate: 33.53%

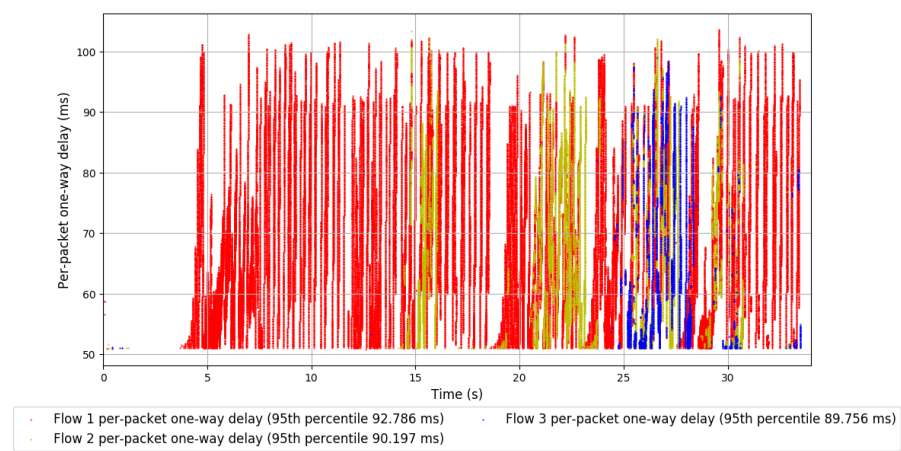
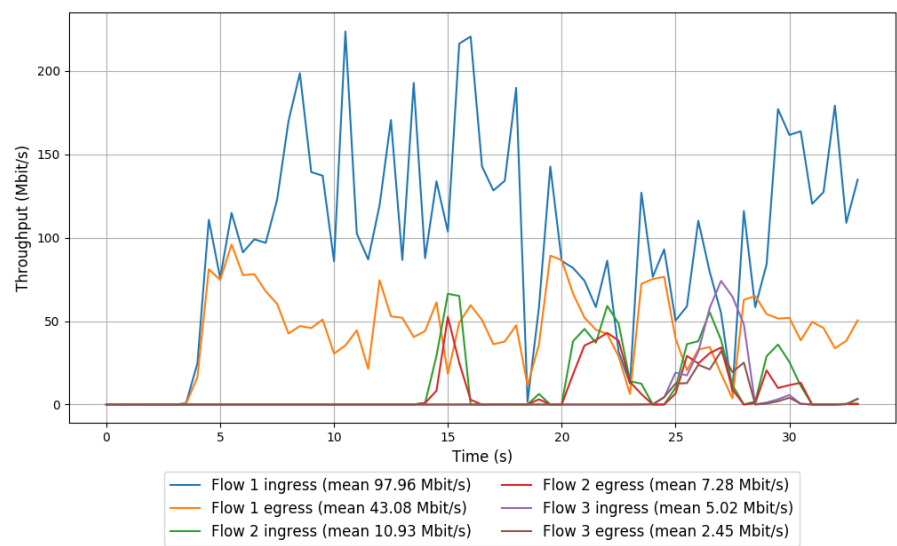
-- Flow 3:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 89.756 ms

Loss rate: 51.22%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Tue, 04 Jul 2017 21:51:43 +0000

End at: Tue, 04 Jul 2017 21:52:13 +0000

Local clock offset: 0.255 ms

Remote clock offset: -2.407 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 49.94 Mbit/s

95th percentile per-packet one-way delay: 89.494 ms

Loss rate: 44.31%

-- Flow 1:

Average throughput: 37.49 Mbit/s

95th percentile per-packet one-way delay: 89.961 ms

Loss rate: 46.59%

-- Flow 2:

Average throughput: 11.24 Mbit/s

95th percentile per-packet one-way delay: 88.423 ms

Loss rate: 37.55%

-- Flow 3:

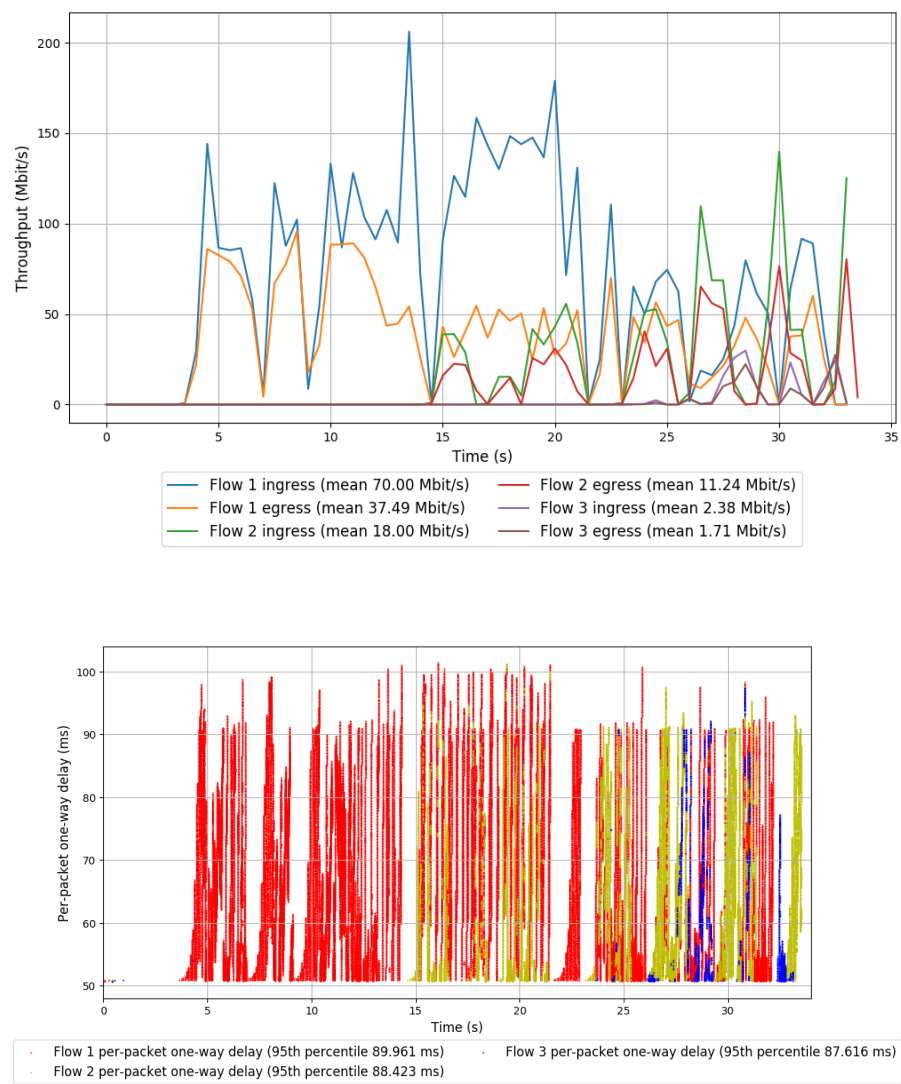
Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 87.616 ms

Loss rate: 28.30%



Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 18:49:59 +0000

End at: Tue, 04 Jul 2017 18:50:29 +0000

Local clock offset: 0.839 ms

Remote clock offset: -4.956 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.51 Mbit/s

95th percentile per-packet one-way delay: 53.137 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 53.157 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 53.092 ms

Loss rate: 0.02%

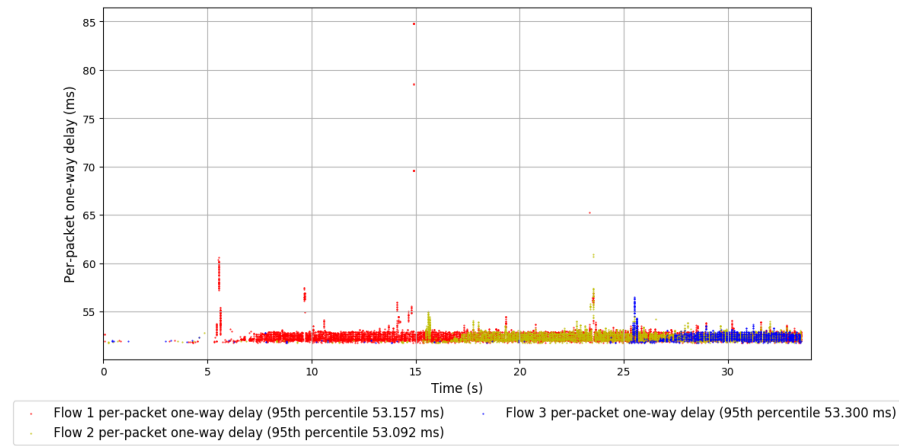
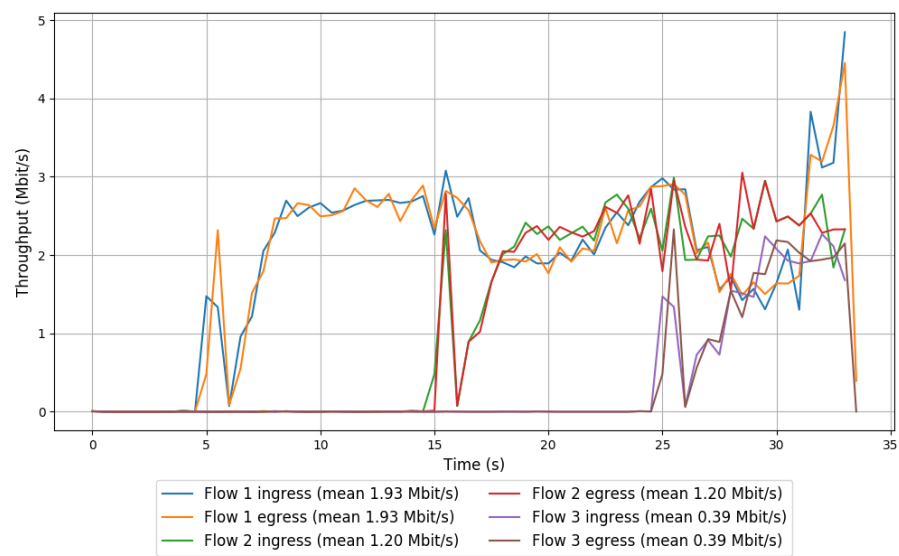
-- Flow 3:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 53.300 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 19:10:36 +0000

End at: Tue, 04 Jul 2017 19:11:06 +0000

Local clock offset: 0.796 ms

Remote clock offset: -4.674 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 52.728 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 52.619 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 52.721 ms

Loss rate: 0.00%

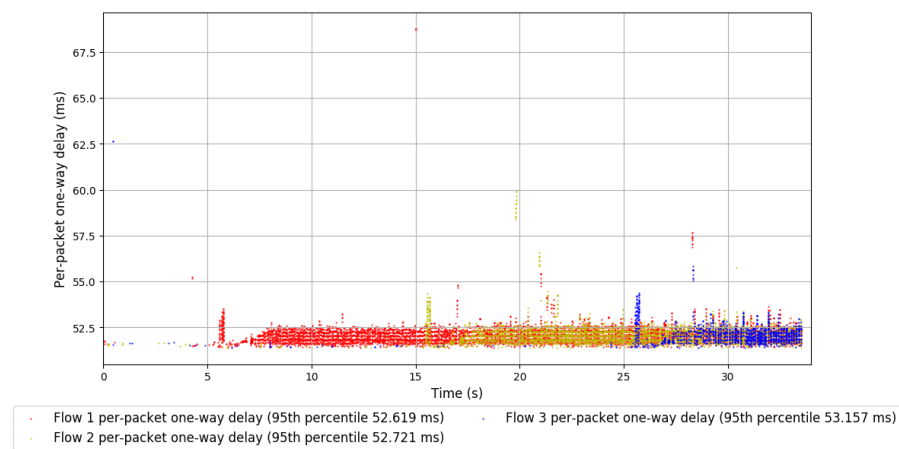
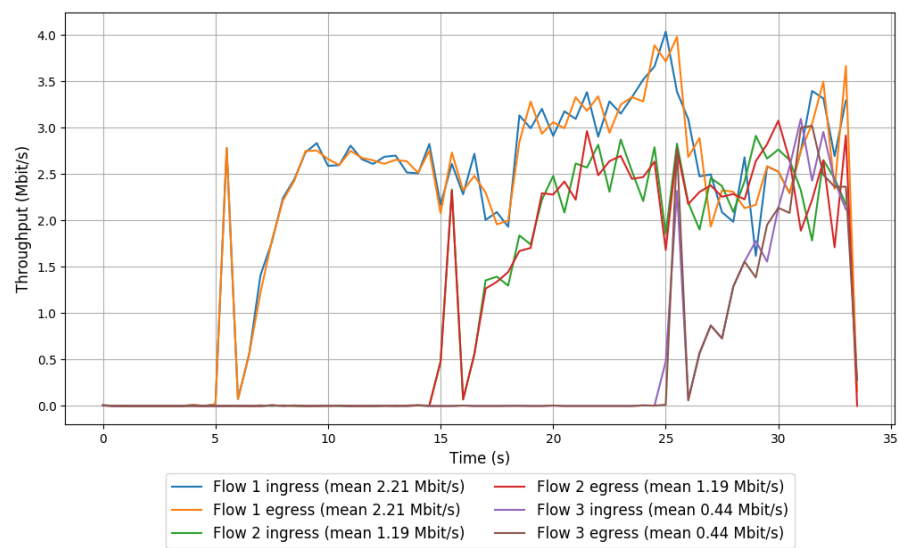
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 53.157 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 19:31:04 +0000

End at: Tue, 04 Jul 2017 19:31:34 +0000

Local clock offset: 0.792 ms

Remote clock offset: -2.323 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 52.463 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 52.369 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 52.527 ms

Loss rate: 0.00%

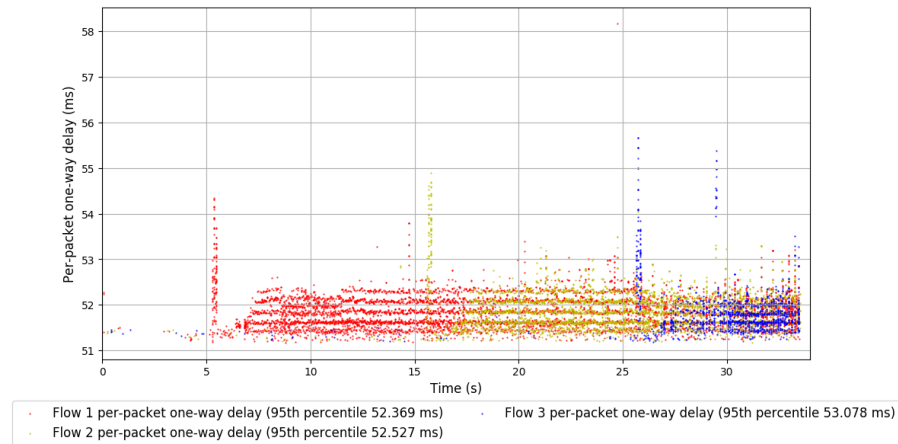
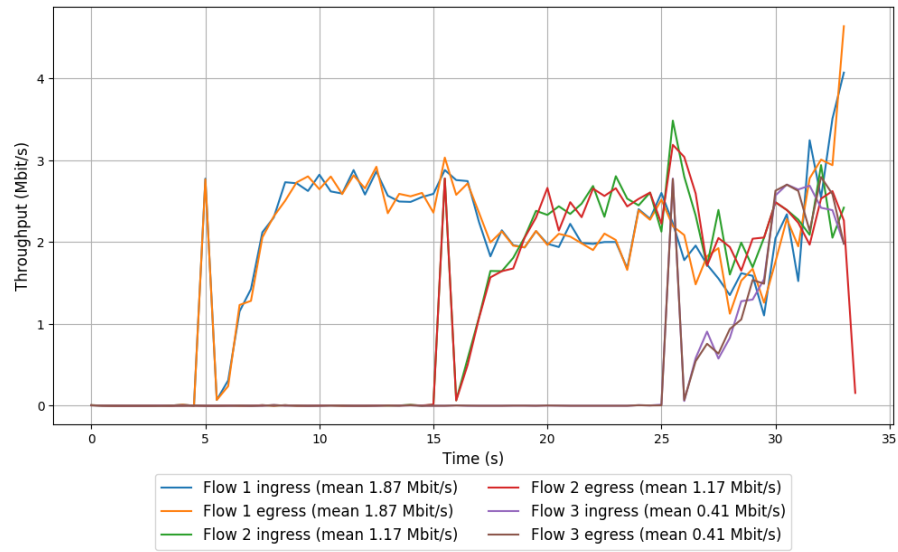
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 53.078 ms

Loss rate: 0.00%

### Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 19:51:42 +0000

End at: Tue, 04 Jul 2017 19:52:12 +0000

Local clock offset: 0.918 ms

Remote clock offset: -2.376 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 52.535 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 52.443 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 52.624 ms

Loss rate: 0.05%

-- Flow 3:

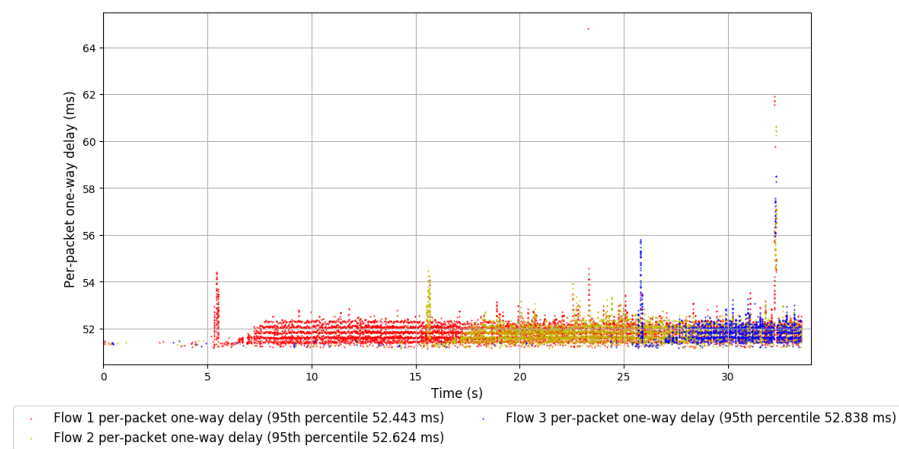
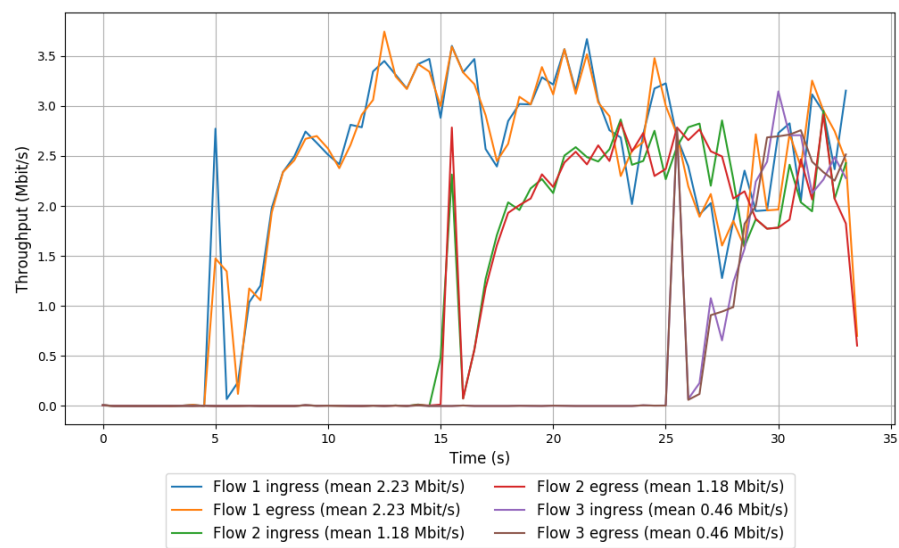
Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 52.838 ms

Loss rate: 0.01%



Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 20:12:16 +0000

End at: Tue, 04 Jul 2017 20:12:46 +0000

Local clock offset: 0.793 ms

Remote clock offset: -1.575 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.50 Mbit/s

95th percentile per-packet one-way delay: 52.539 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 52.457 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 52.629 ms

Loss rate: 0.00%

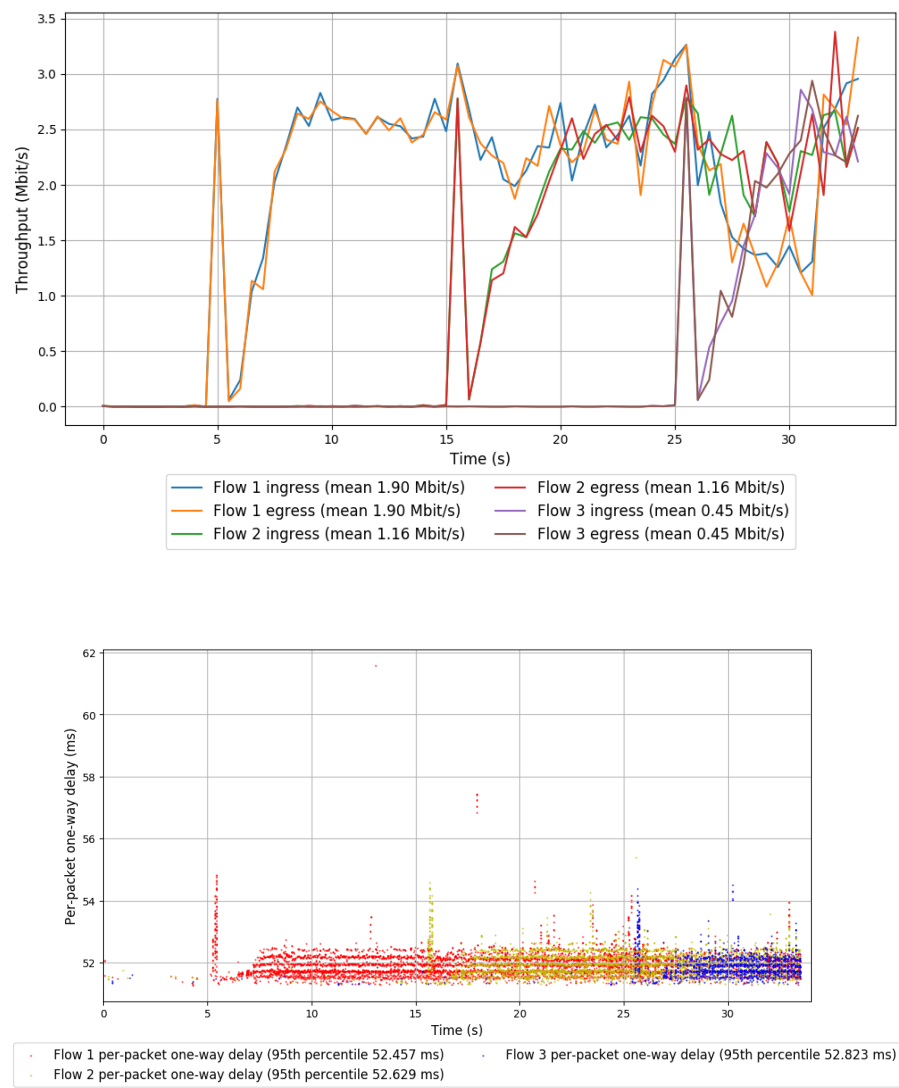
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 52.823 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 20:32:39 +0000

End at: Tue, 04 Jul 2017 20:33:09 +0000

Local clock offset: 0.732 ms

Remote clock offset: -2.162 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 52.809 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 52.670 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 53.063 ms

Loss rate: 0.00%

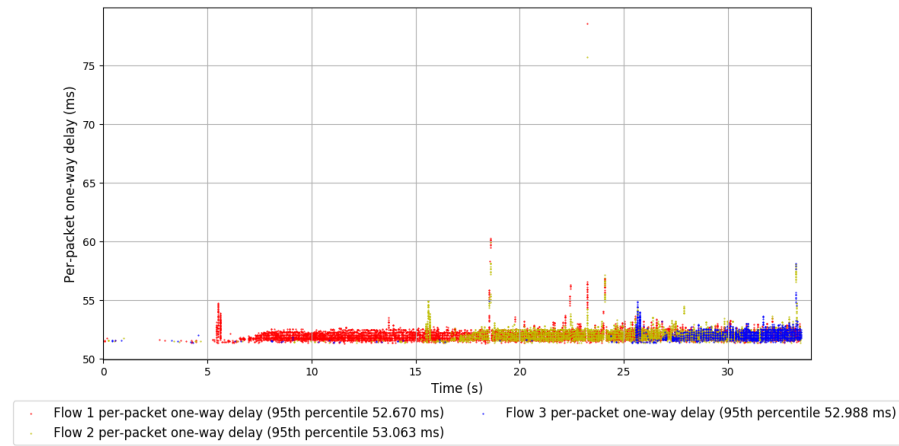
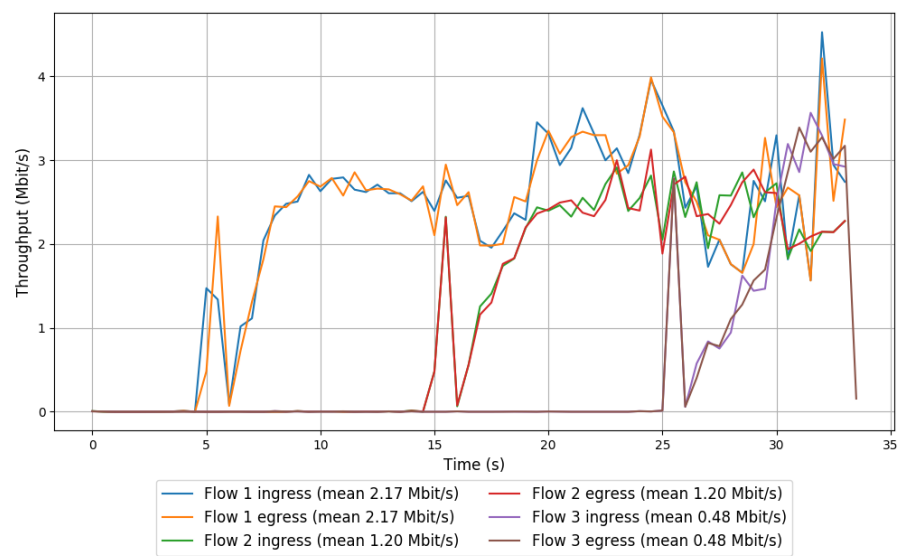
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 52.988 ms

Loss rate: 0.06%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 20:53:08 +0000

End at: Tue, 04 Jul 2017 20:53:38 +0000

Local clock offset: 0.684 ms

Remote clock offset: -4.334 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.67 Mbit/s

95th percentile per-packet one-way delay: 52.720 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 52.686 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 52.697 ms

Loss rate: 0.00%

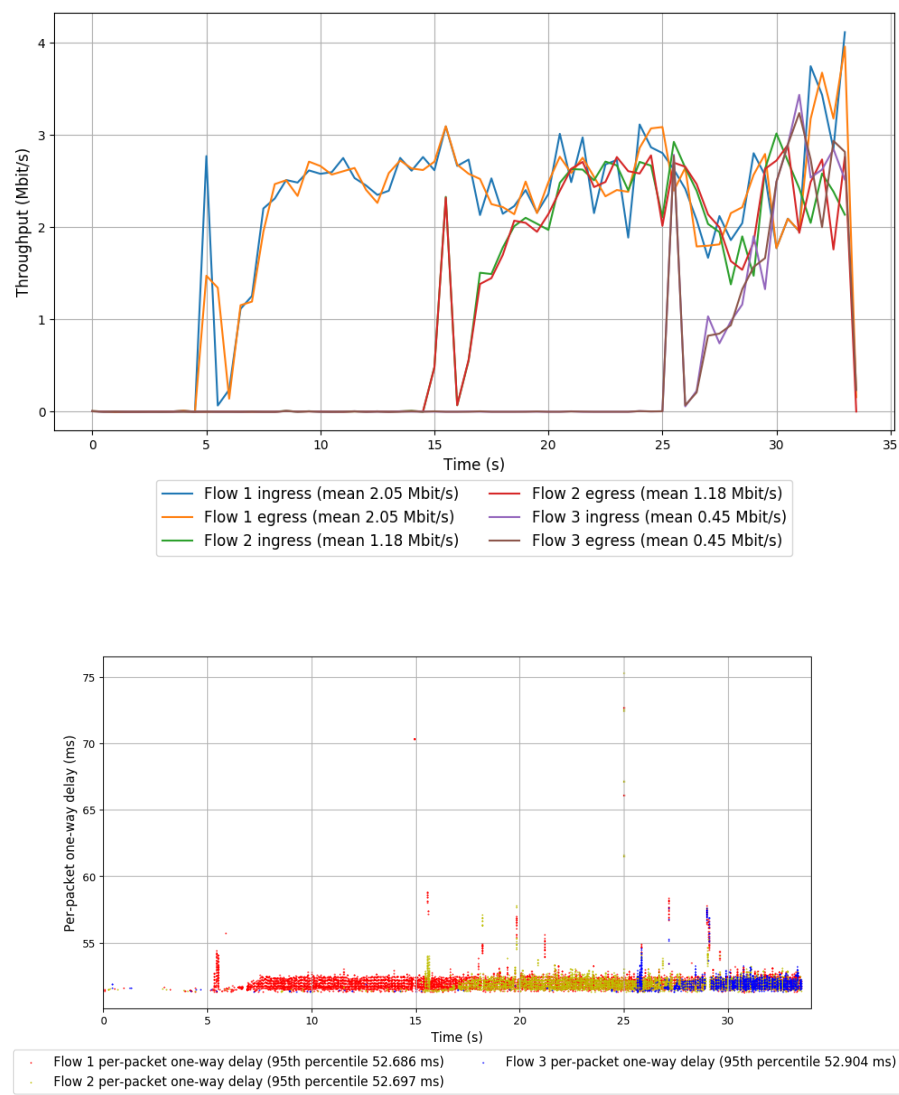
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 52.904 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 21:13:37 +0000

End at: Tue, 04 Jul 2017 21:14:07 +0000

Local clock offset: 0.497 ms

Remote clock offset: -2.197 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 53.814 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 53.075 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 54.987 ms

Loss rate: 0.55%

-- Flow 3:

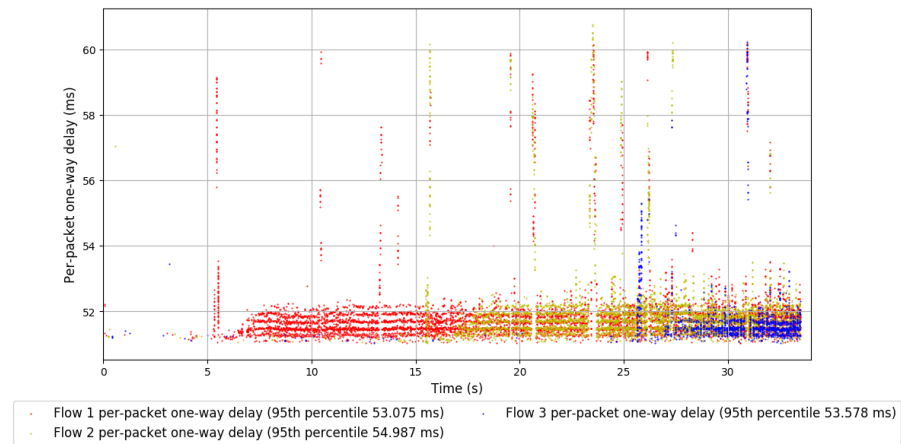
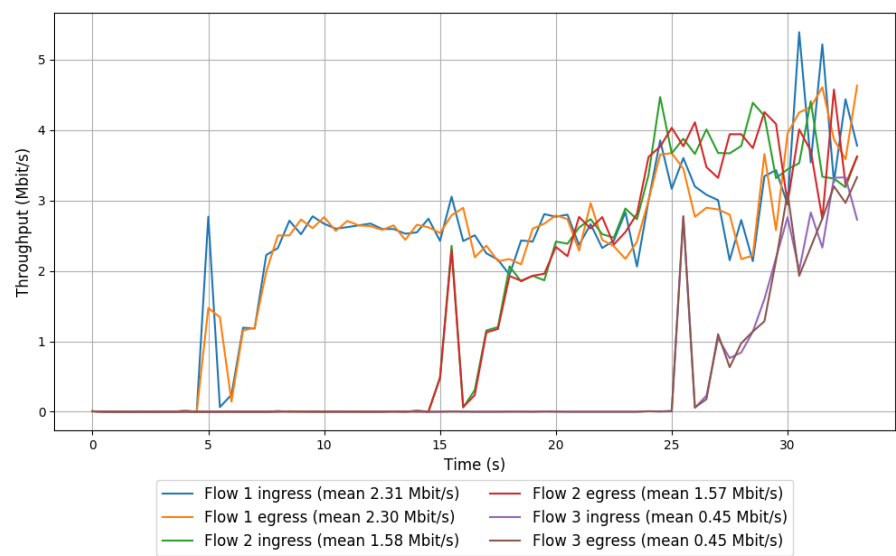
Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 53.578 ms

Loss rate: 0.13%



Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 21:34:04 +0000

End at: Tue, 04 Jul 2017 21:34:34 +0000

Local clock offset: 0.177 ms

Remote clock offset: -2.407 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 52.293 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 52.227 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 52.351 ms

Loss rate: 0.07%

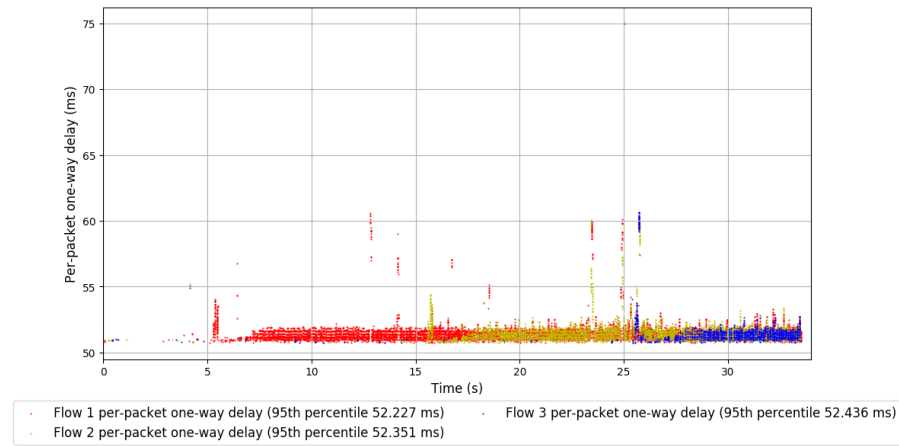
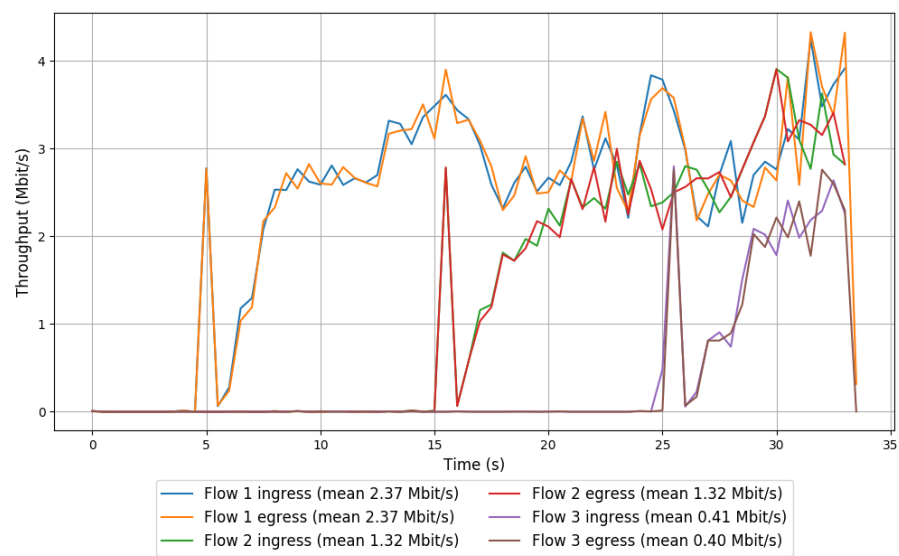
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 52.436 ms

Loss rate: 1.79%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 21:54:28 +0000

End at: Tue, 04 Jul 2017 21:54:58 +0000

Local clock offset: 0.257 ms

Remote clock offset: -4.422 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:23:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 51.803 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 51.828 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.20 Mbit/s

95th percentile per-packet one-way delay: 51.657 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 52.241 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

