

**Pantheon Summary** (Generated at Wed, 05 Jul 2017 02:36:04 +0000 with pantheon version afeabcbf9f0bccb7f5555428c3b5bcceec857e76)

Repeated the test of 15 congestion control schemes 10 times.

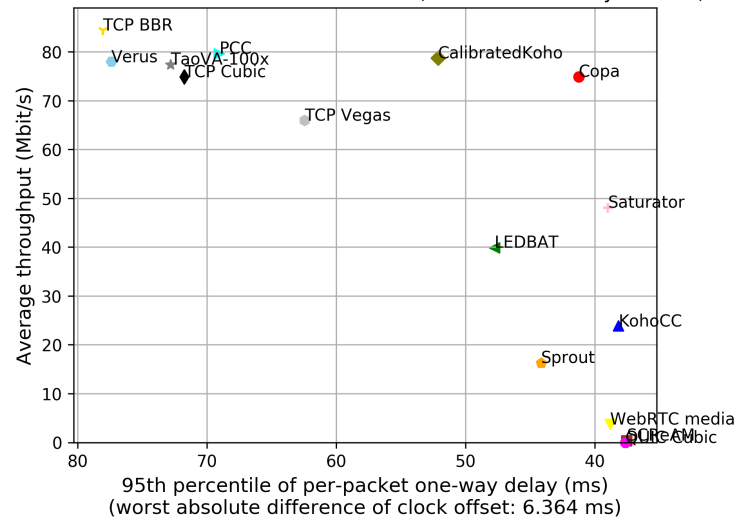
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

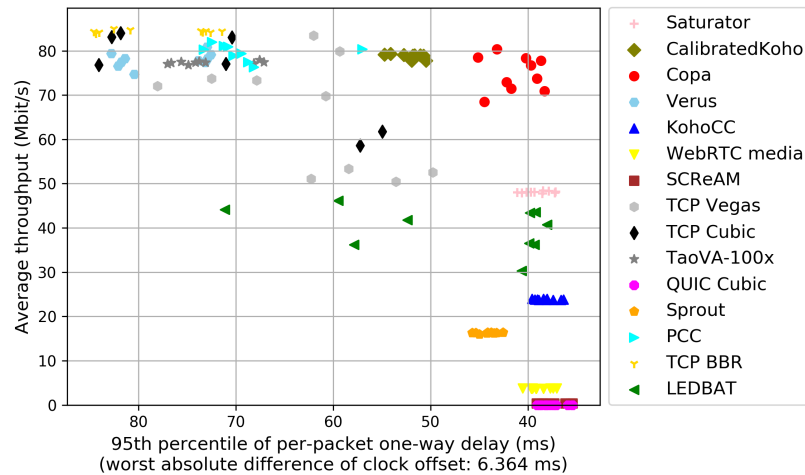
NTP offset measured against time.stanford.edu.

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

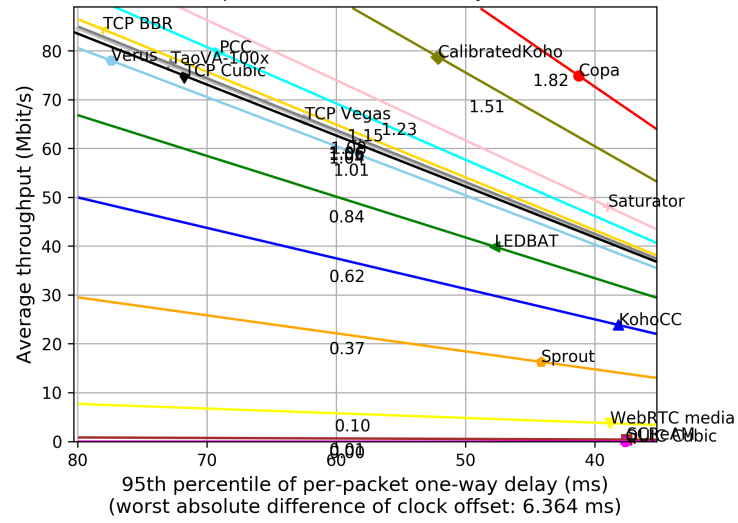


test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows





test from Mexico Ethernet to AWS California 2 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 22:03:53 +0000

End at: Tue, 04 Jul 2017 22:04:23 +0000

Local clock offset: 0.091 ms

Remote clock offset: -1.838 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:24:48 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.19 Mbit/s

95th percentile per-packet one-way delay: 72.618 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 51.51 Mbit/s

95th percentile per-packet one-way delay: 72.649 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 23.75 Mbit/s

95th percentile per-packet one-way delay: 72.637 ms

Loss rate: 0.76%

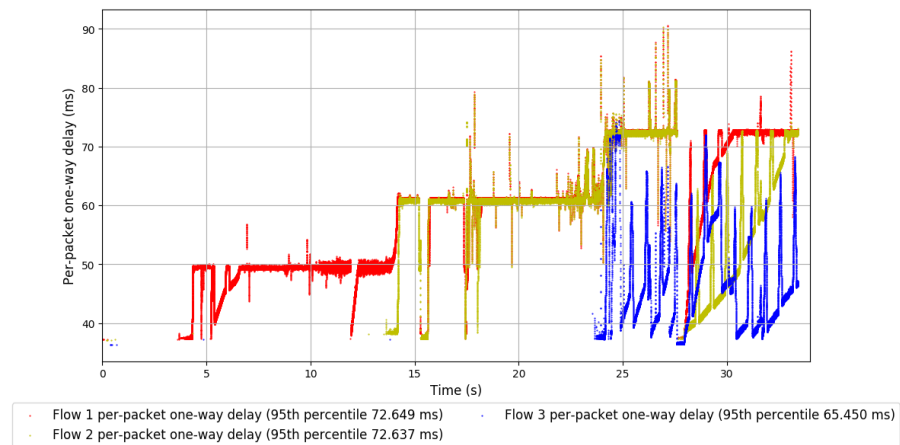
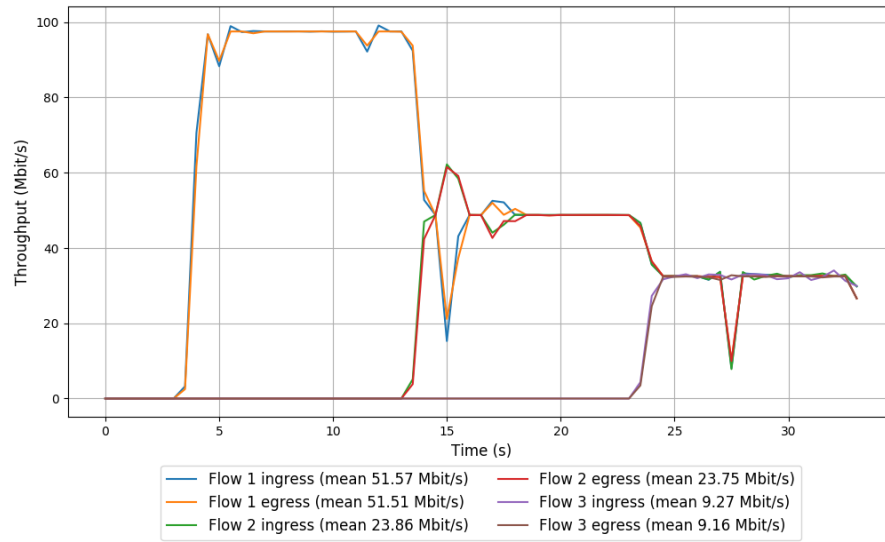
-- Flow 3:

Average throughput: 9.16 Mbit/s

95th percentile per-packet one-way delay: 65.450 ms

Loss rate: 1.40%

# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 22:24:27 +0000

End at: Tue, 04 Jul 2017 22:24:57 +0000

Local clock offset: 0.075 ms

Remote clock offset: -3.989 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:24:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.50 Mbit/s

95th percentile per-packet one-way delay: 73.094 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 51.73 Mbit/s

95th percentile per-packet one-way delay: 73.048 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 23.68 Mbit/s

95th percentile per-packet one-way delay: 73.167 ms

Loss rate: 0.57%

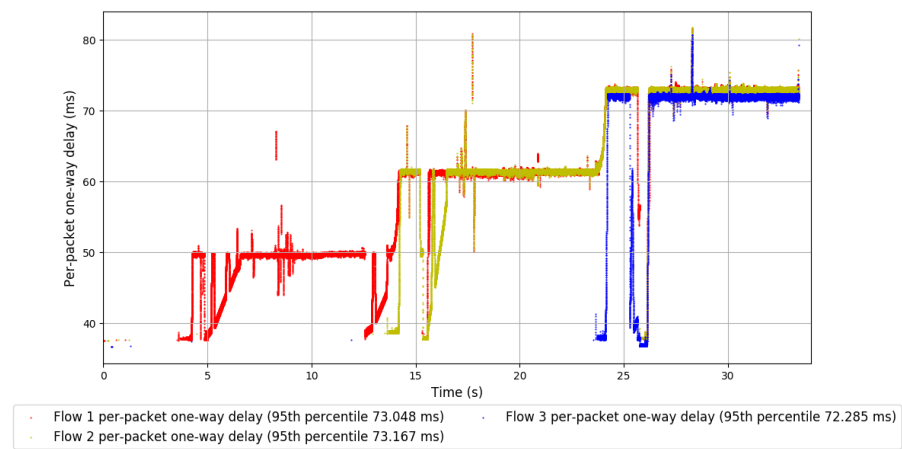
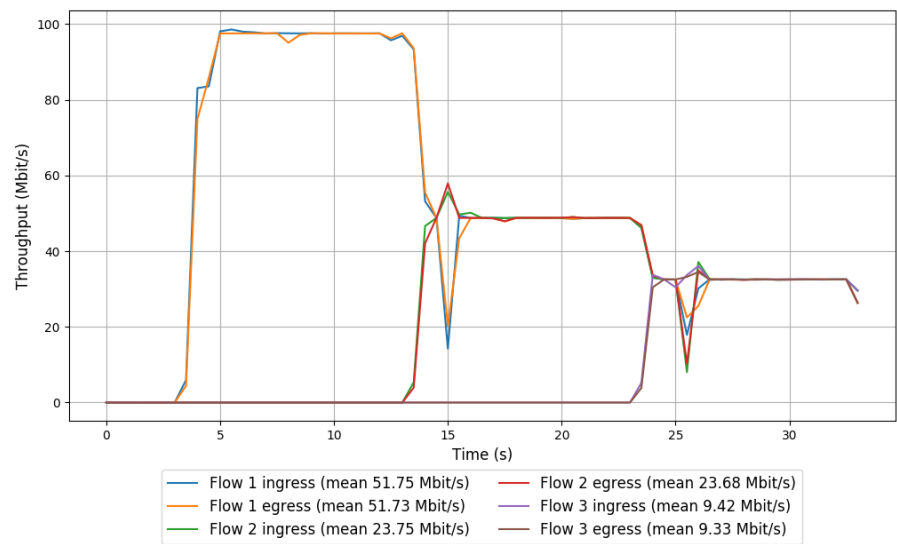
-- Flow 3:

Average throughput: 9.33 Mbit/s

95th percentile per-packet one-way delay: 72.285 ms

Loss rate: 1.28%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 22:45:05 +0000

End at: Tue, 04 Jul 2017 22:45:35 +0000

Local clock offset: 0.062 ms

Remote clock offset: -0.582 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.25 Mbit/s

95th percentile per-packet one-way delay: 73.417 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 51.12 Mbit/s

95th percentile per-packet one-way delay: 73.321 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 72.517 ms

Loss rate: 0.56%

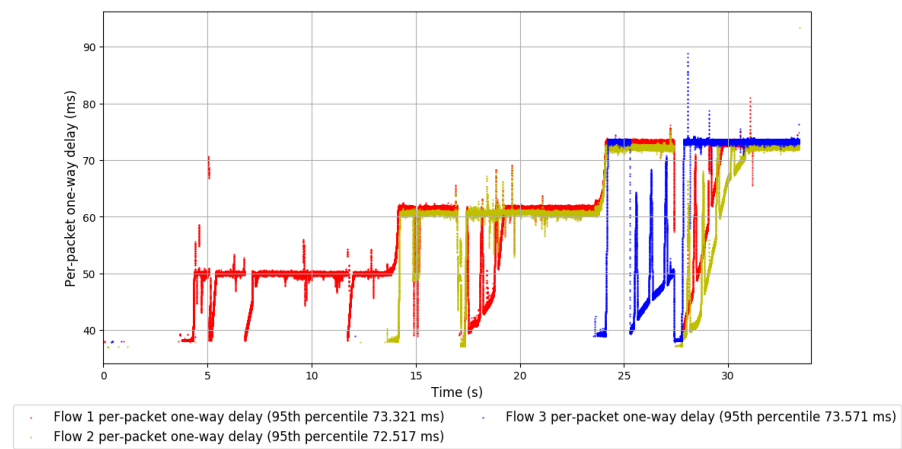
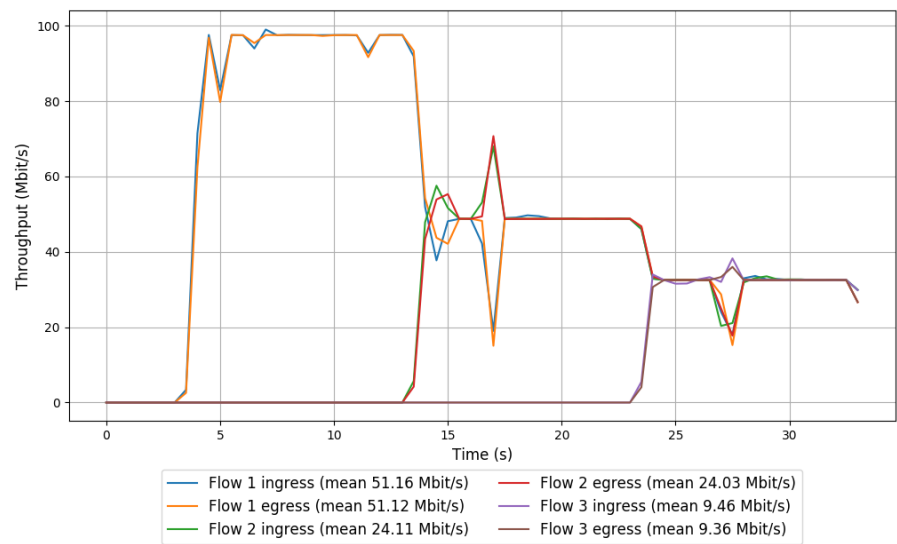
-- Flow 3:

Average throughput: 9.36 Mbit/s

95th percentile per-packet one-way delay: 73.571 ms

Loss rate: 1.28%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:05:42 +0000

End at: Tue, 04 Jul 2017 23:06:12 +0000

Local clock offset: -0.111 ms

Remote clock offset: -0.814 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.96 Mbit/s

95th percentile per-packet one-way delay: 84.368 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 55.44 Mbit/s

95th percentile per-packet one-way delay: 62.391 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 21.44 Mbit/s

95th percentile per-packet one-way delay: 84.370 ms

Loss rate: 0.59%

-- Flow 3:

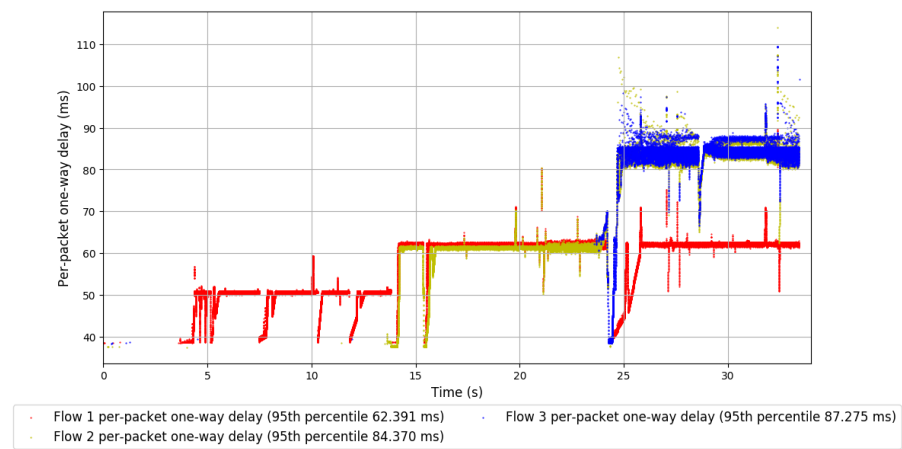
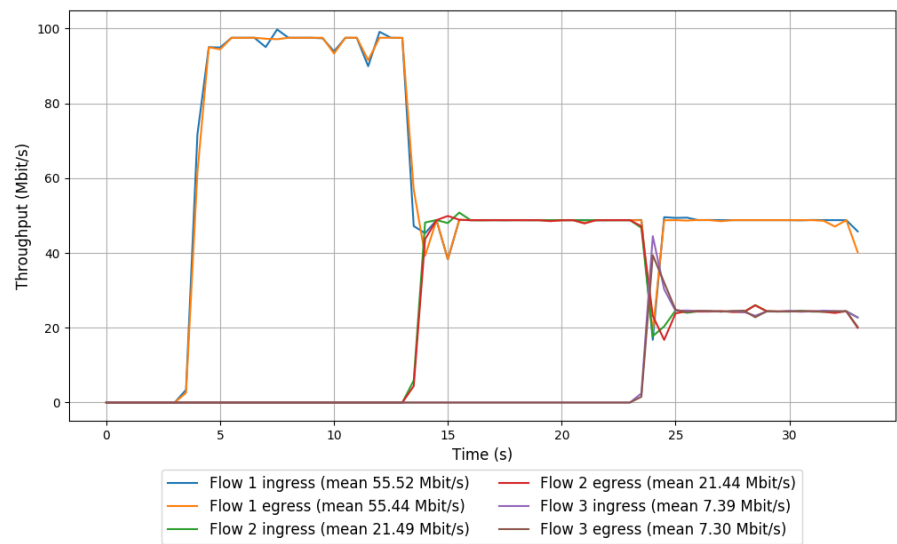
Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 87.275 ms

Loss rate: 1.43%



Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:26:18 +0000

End at: Tue, 04 Jul 2017 23:26:48 +0000

Local clock offset: -0.084 ms

Remote clock offset: -0.456 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:25:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.30 Mbit/s

95th percentile per-packet one-way delay: 84.572 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 49.64 Mbit/s

95th percentile per-packet one-way delay: 84.437 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 27.92 Mbit/s

95th percentile per-packet one-way delay: 62.288 ms

Loss rate: 0.97%

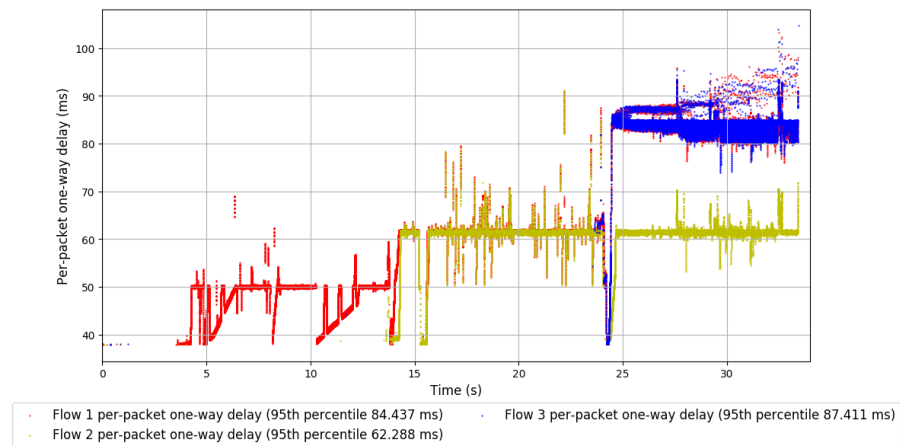
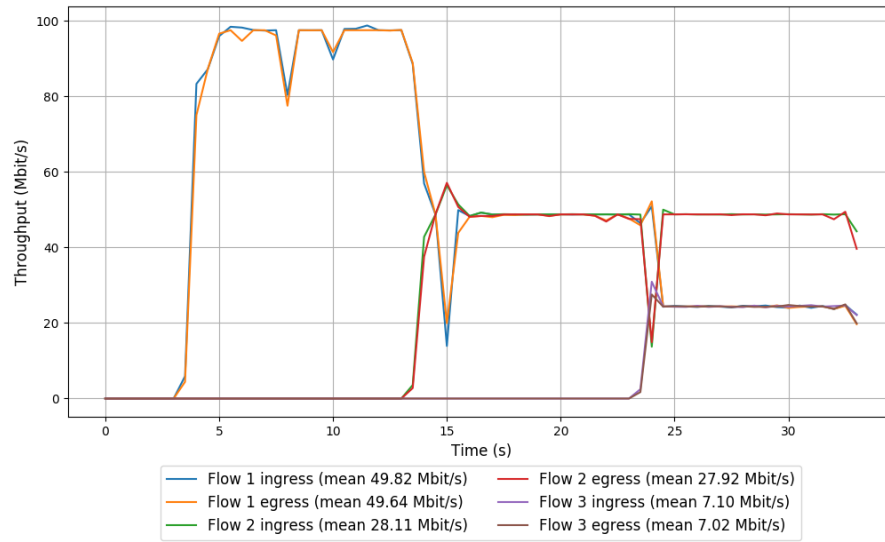
-- Flow 3:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 87.411 ms

Loss rate: 1.46%

# Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:46:52 +0000

End at: Tue, 04 Jul 2017 23:47:22 +0000

Local clock offset: -0.057 ms

Remote clock offset: -1.012 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:25:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.16 Mbit/s

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

Loss rate: 0.58%

-- Flow 1:

Average throughput: 56.12 Mbit/s

95th percentile per-packet one-way delay: 61.477 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 21.38 Mbit/s

95th percentile per-packet one-way delay: 85.153 ms

Loss rate: 0.53%

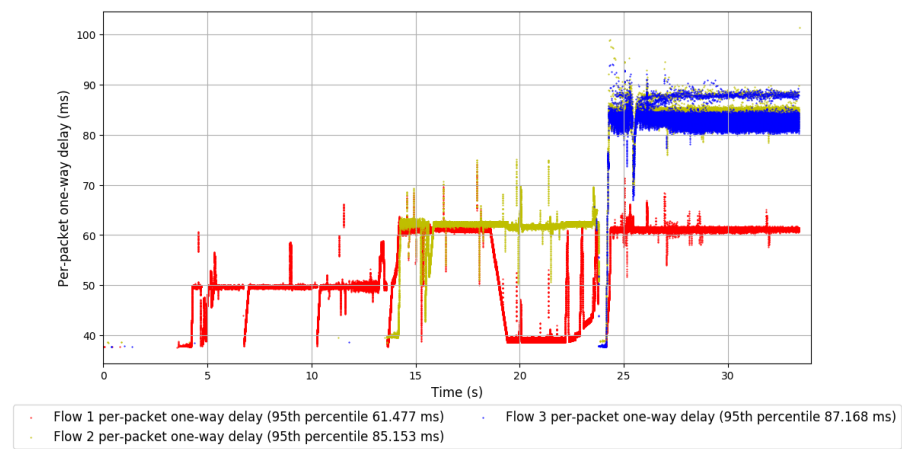
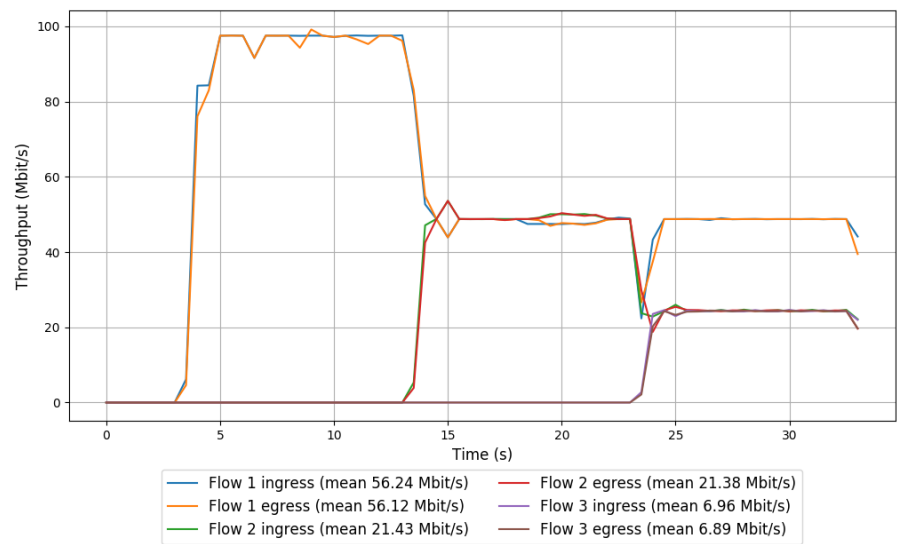
-- Flow 3:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 87.168 ms

Loss rate: 1.38%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 00:07:18 +0000

End at: Wed, 05 Jul 2017 00:07:48 +0000

Local clock offset: 0.119 ms

Remote clock offset: -1.406 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:25:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.54 Mbit/s

95th percentile per-packet one-way delay: 73.582 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 51.67 Mbit/s

95th percentile per-packet one-way delay: 73.528 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 23.77 Mbit/s

95th percentile per-packet one-way delay: 73.654 ms

Loss rate: 0.52%

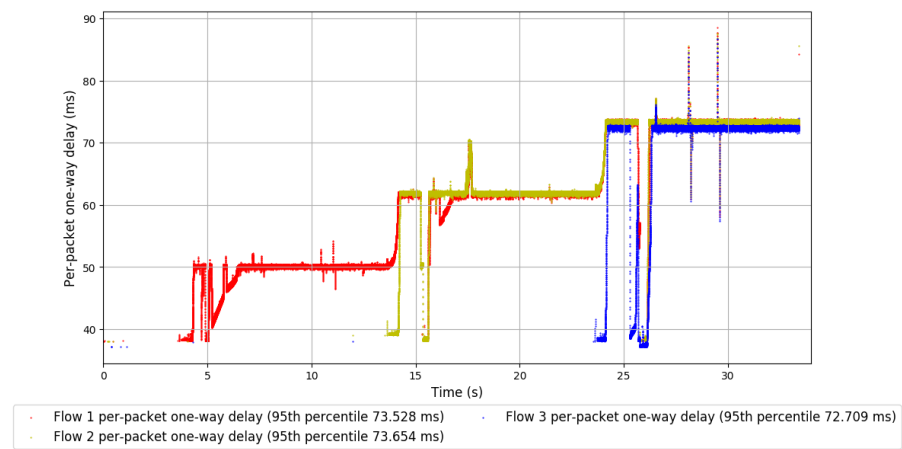
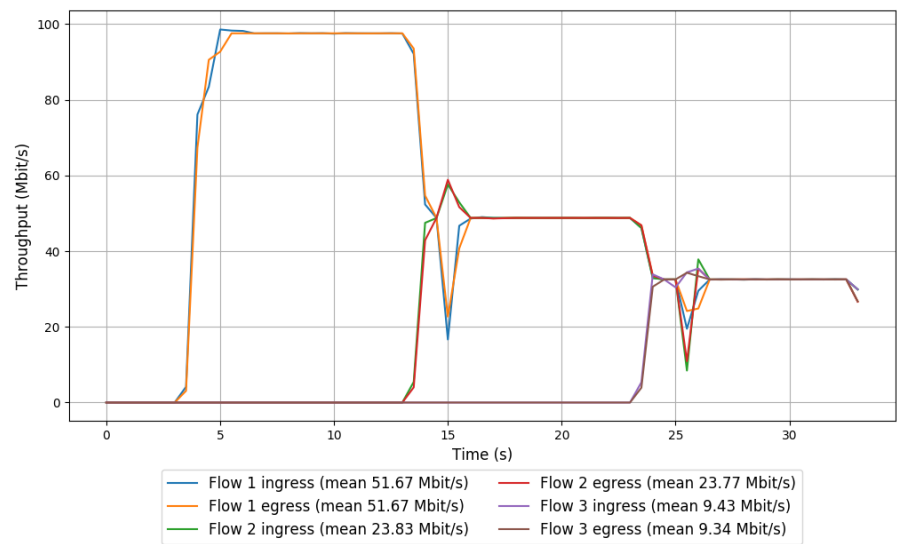
-- Flow 3:

Average throughput: 9.34 Mbit/s

95th percentile per-packet one-way delay: 72.709 ms

Loss rate: 1.26%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 00:27:50 +0000

End at: Wed, 05 Jul 2017 00:28:20 +0000

Local clock offset: 0.228 ms

Remote clock offset: -4.149 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:25:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.01 Mbit/s

95th percentile per-packet one-way delay: 82.510 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 49.43 Mbit/s

95th percentile per-packet one-way delay: 82.433 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 22.00 Mbit/s

95th percentile per-packet one-way delay: 82.729 ms

Loss rate: 0.49%

-- Flow 3:

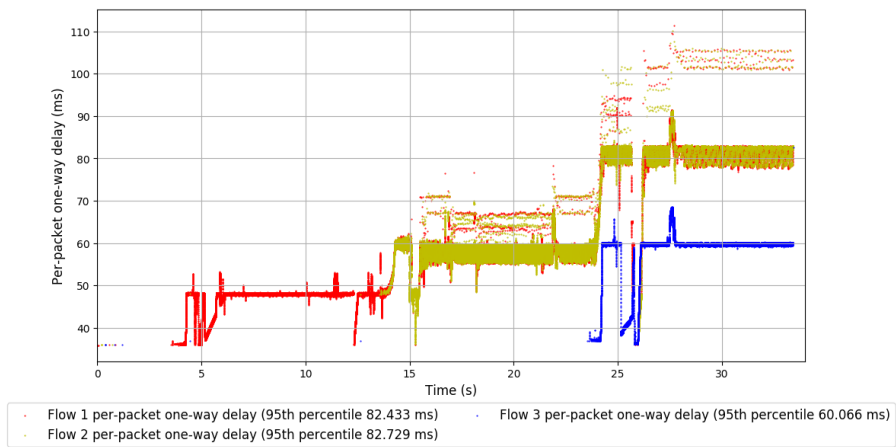
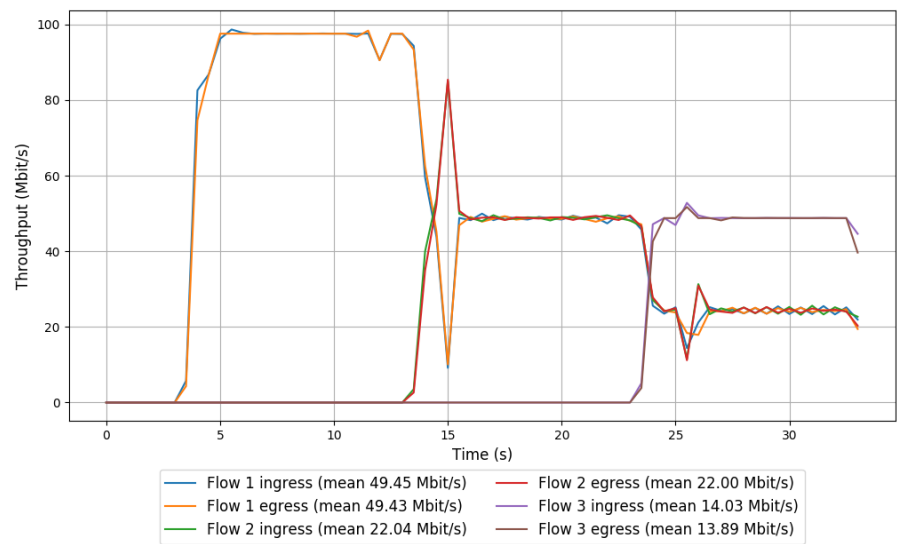
Average throughput: 13.89 Mbit/s

95th percentile per-packet one-way delay: 60.066 ms

Loss rate: 1.21%



Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 00:48:28 +0000

End at: Wed, 05 Jul 2017 00:48:58 +0000

Local clock offset: 0.188 ms

Remote clock offset: -3.349 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:25:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.39 Mbit/s

95th percentile per-packet one-way delay: 71.427 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 51.16 Mbit/s

95th percentile per-packet one-way delay: 70.536 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 23.86 Mbit/s

95th percentile per-packet one-way delay: 71.458 ms

Loss rate: 0.53%

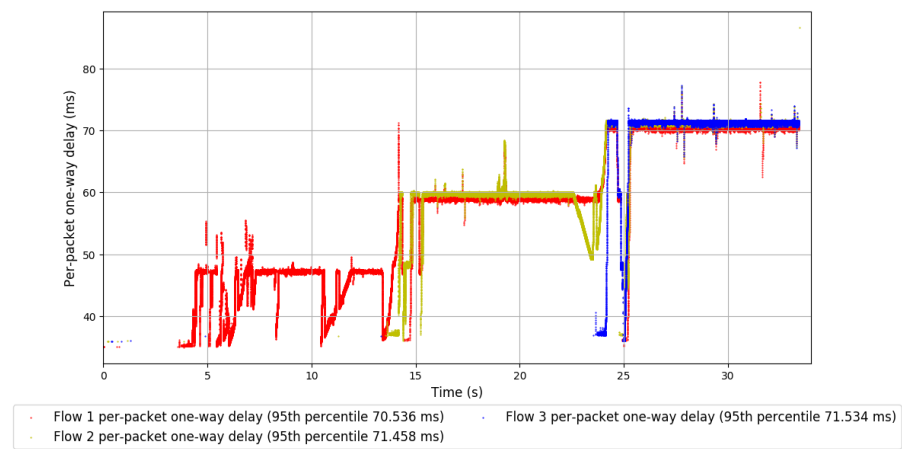
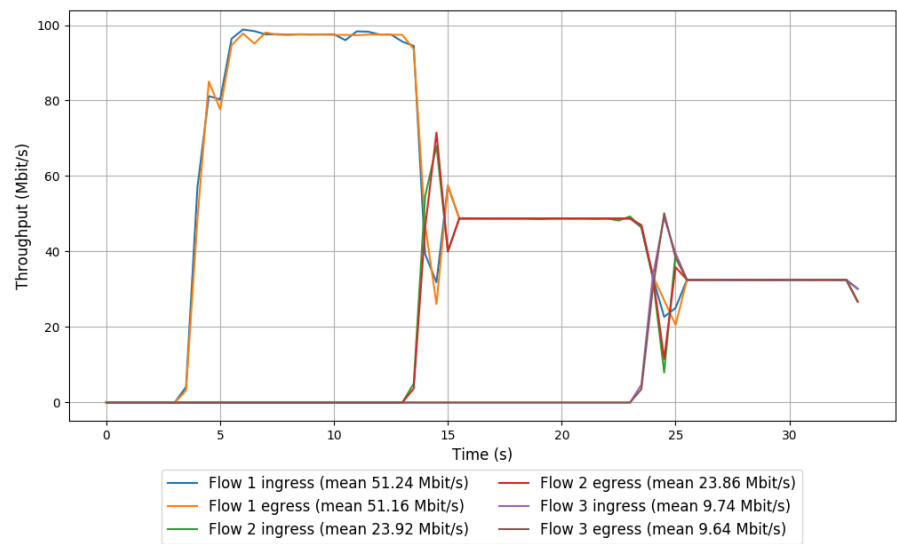
-- Flow 3:

Average throughput: 9.64 Mbit/s

95th percentile per-packet one-way delay: 71.534 ms

Loss rate: 1.24%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 01:09:03 +0000

End at: Wed, 05 Jul 2017 01:09:33 +0000

Local clock offset: 0.322 ms

Remote clock offset: -3.466 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:25:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.70 Mbit/s

95th percentile per-packet one-way delay: 80.817 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 50.08 Mbit/s

95th percentile per-packet one-way delay: 80.499 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 28.00 Mbit/s

95th percentile per-packet one-way delay: 59.234 ms

Loss rate: 0.73%

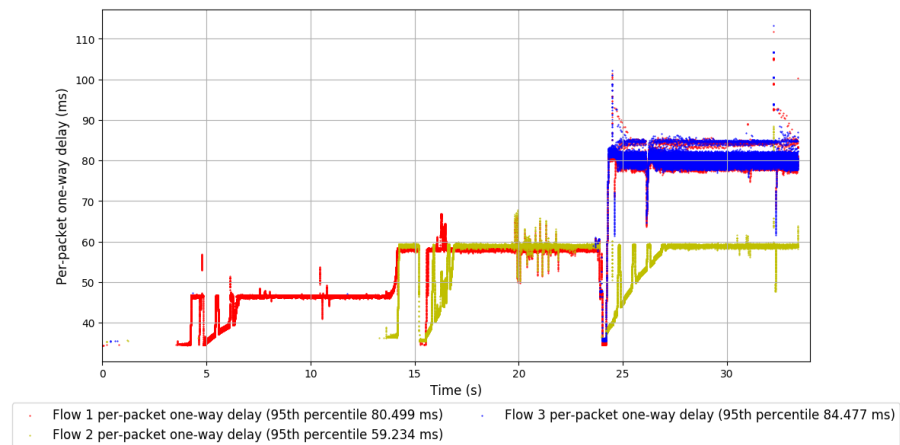
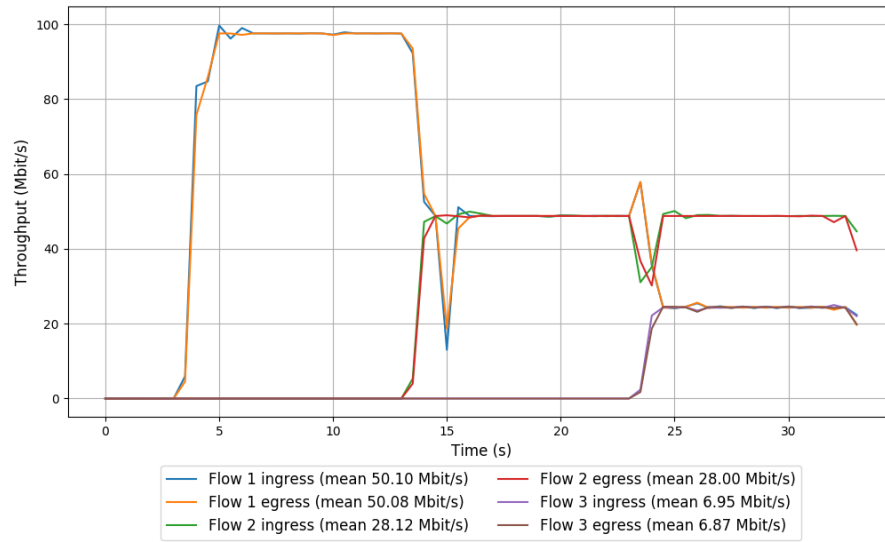
-- Flow 3:

Average throughput: 6.87 Mbit/s

95th percentile per-packet one-way delay: 84.477 ms

Loss rate: 1.45%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:13:31 +0000

End at: Tue, 04 Jul 2017 22:14:01 +0000

Local clock offset: 0.089 ms

Remote clock offset: -3.906 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:25:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.92 Mbit/s

95th percentile per-packet one-way delay: 51.832 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 53.11 Mbit/s

95th percentile per-packet one-way delay: 50.977 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 25.44 Mbit/s

95th percentile per-packet one-way delay: 52.733 ms

Loss rate: 0.81%

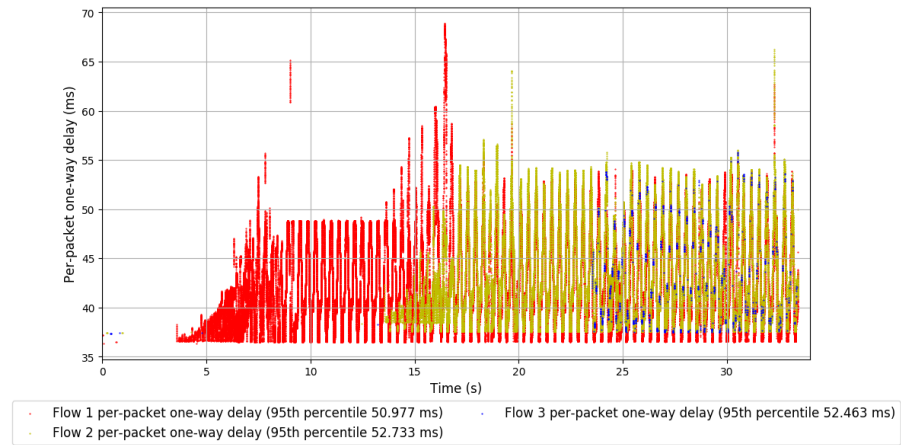
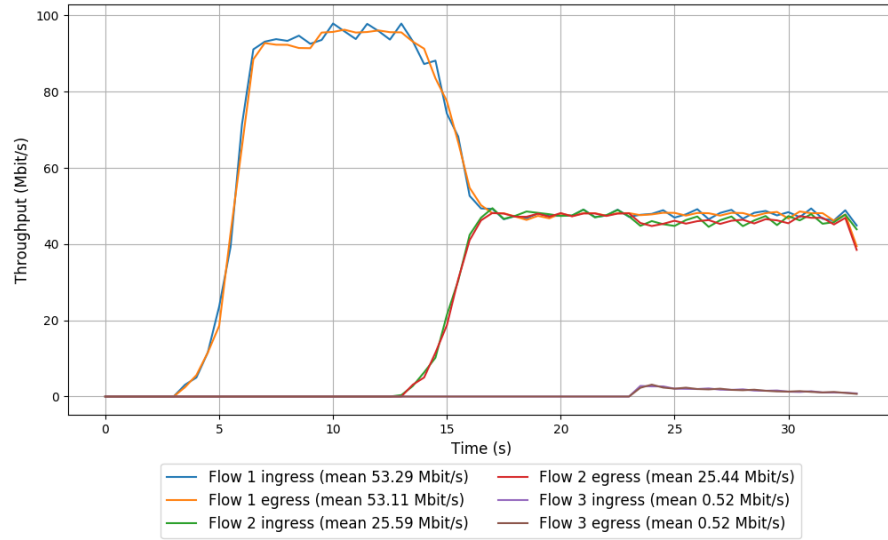
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 52.463 ms

Loss rate: 0.56%

# Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:34:07 +0000

End at: Tue, 04 Jul 2017 22:34:37 +0000

Local clock offset: 0.118 ms

Remote clock offset: -0.853 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:25:54 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.04 Mbit/s

95th percentile per-packet one-way delay: 52.757 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 49.42 Mbit/s

95th percentile per-packet one-way delay: 52.331 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 21.78 Mbit/s

95th percentile per-packet one-way delay: 53.349 ms

Loss rate: 0.48%

-- Flow 3:

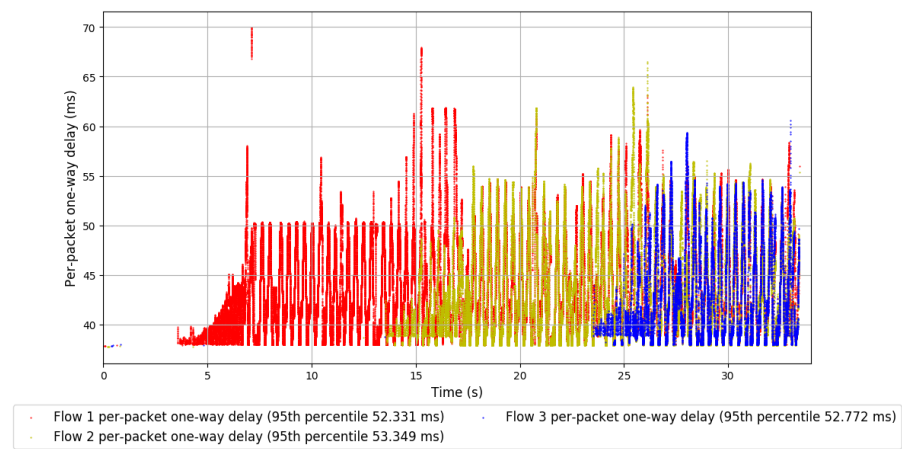
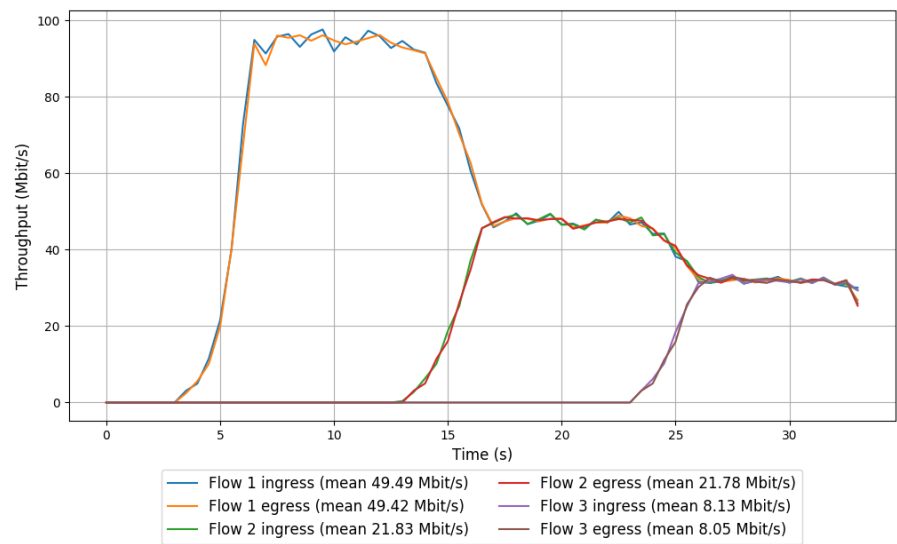
Average throughput: 8.05 Mbit/s

95th percentile per-packet one-way delay: 52.772 ms

Loss rate: 1.23%



Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:54:41 +0000

End at: Tue, 04 Jul 2017 22:55:11 +0000

Local clock offset: 0.012 ms

Remote clock offset: -3.161 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:26:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.30 Mbit/s

95th percentile per-packet one-way delay: 54.121 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 53.415 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 22.08 Mbit/s

95th percentile per-packet one-way delay: 54.872 ms

Loss rate: 0.59%

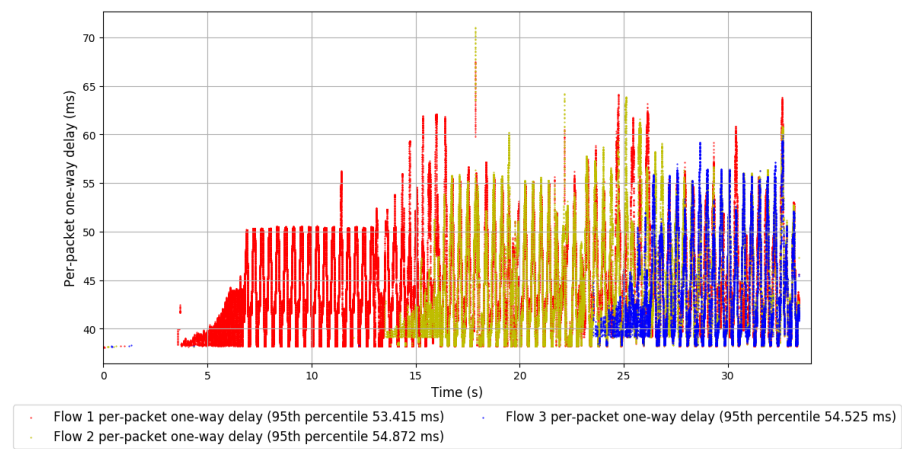
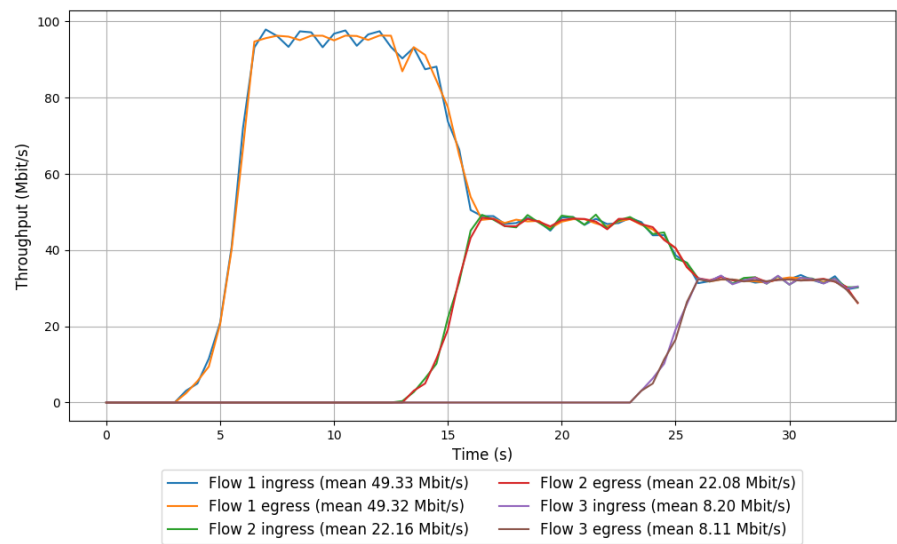
-- Flow 3:

Average throughput: 8.11 Mbit/s

95th percentile per-packet one-way delay: 54.525 ms

Loss rate: 1.34%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 23:15:24 +0000

End at: Tue, 04 Jul 2017 23:15:54 +0000

Local clock offset: -0.168 ms

Remote clock offset: -2.83 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:26:06 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.79 Mbit/s

95th percentile per-packet one-way delay: 51.938 ms

Loss rate: 0.84%

-- Flow 1:

Average throughput: 63.34 Mbit/s

95th percentile per-packet one-way delay: 51.917 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 3.04 Mbit/s

95th percentile per-packet one-way delay: 52.891 ms

Loss rate: 0.13%

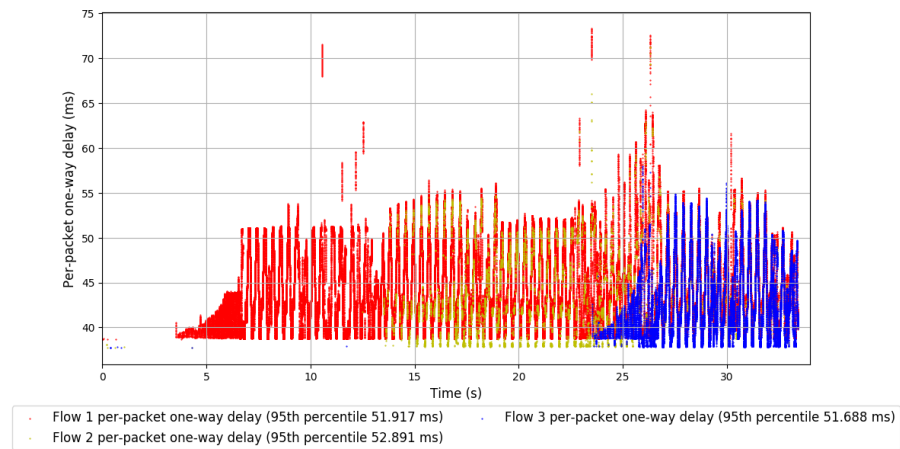
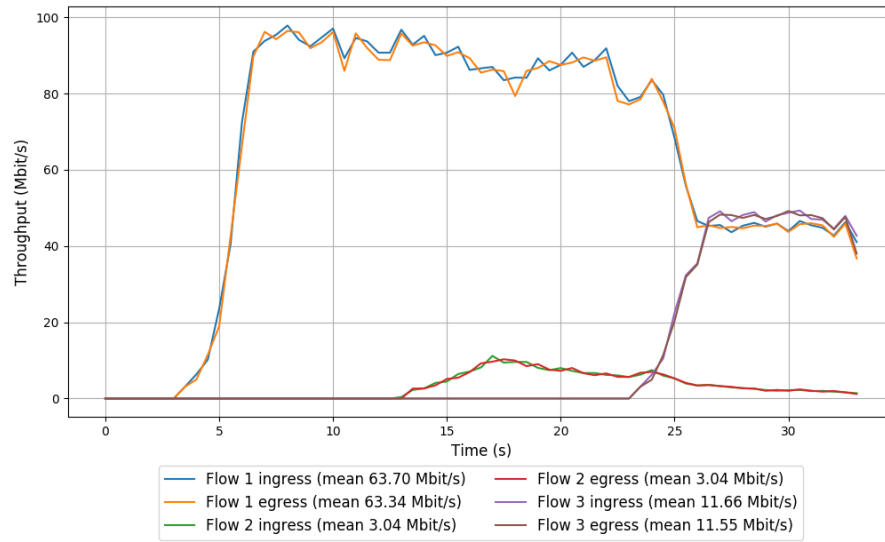
-- Flow 3:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 51.688 ms

Loss rate: 1.22%

# Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 23:35:59 +0000

End at: Tue, 04 Jul 2017 23:36:29 +0000

Local clock offset: -0.17 ms

Remote clock offset: 0.13 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:26:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.12 Mbit/s

95th percentile per-packet one-way delay: 54.725 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 53.18 Mbit/s

95th percentile per-packet one-way delay: 54.465 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 25.69 Mbit/s

95th percentile per-packet one-way delay: 55.027 ms

Loss rate: 0.62%

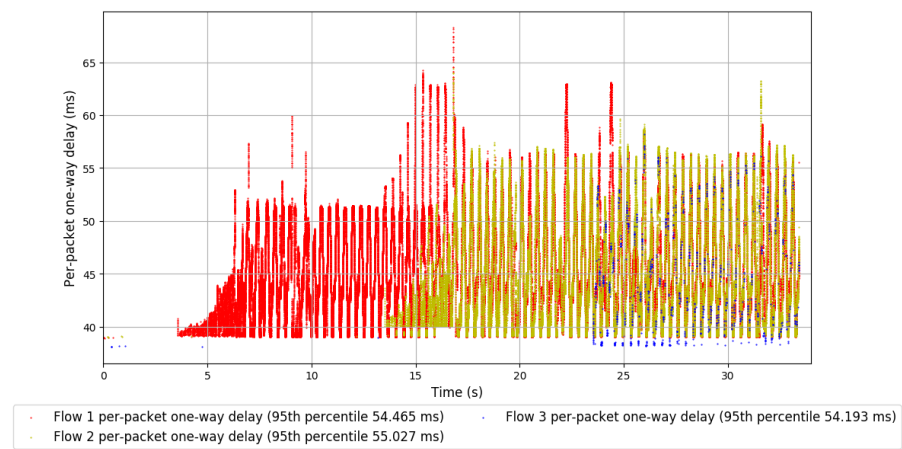
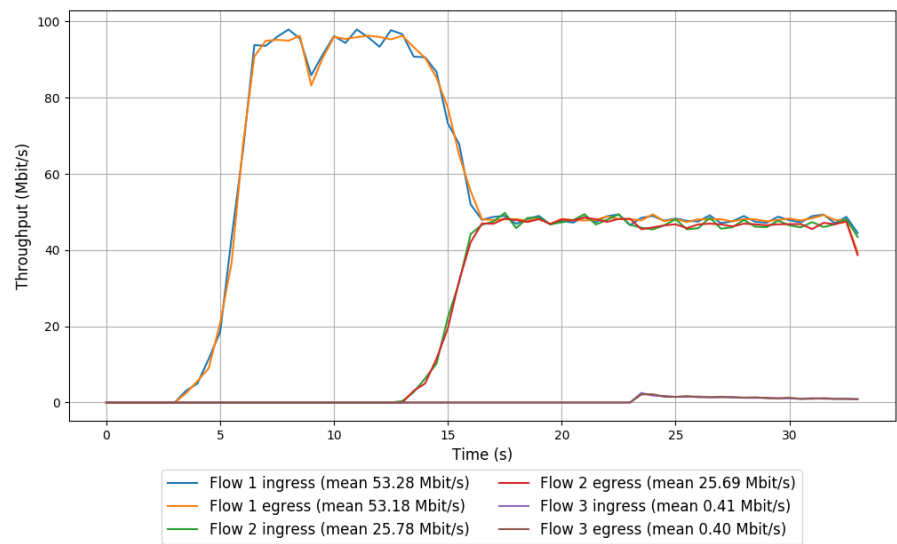
-- Flow 3:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 54.193 ms

Loss rate: 0.63%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 23:56:26 +0000

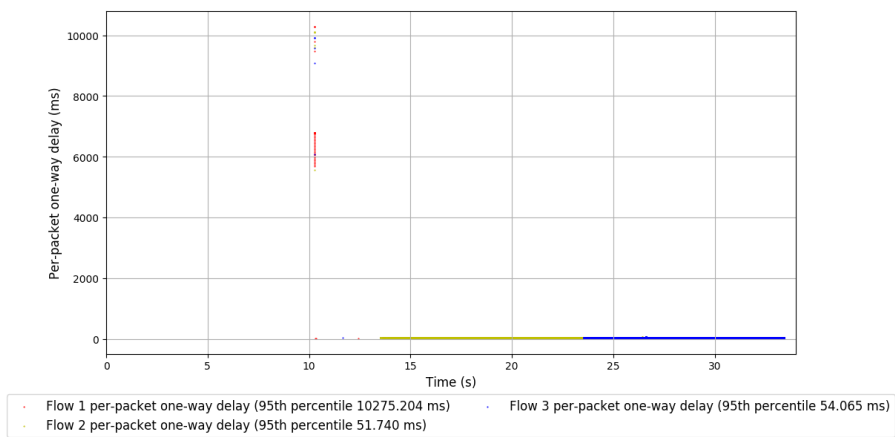
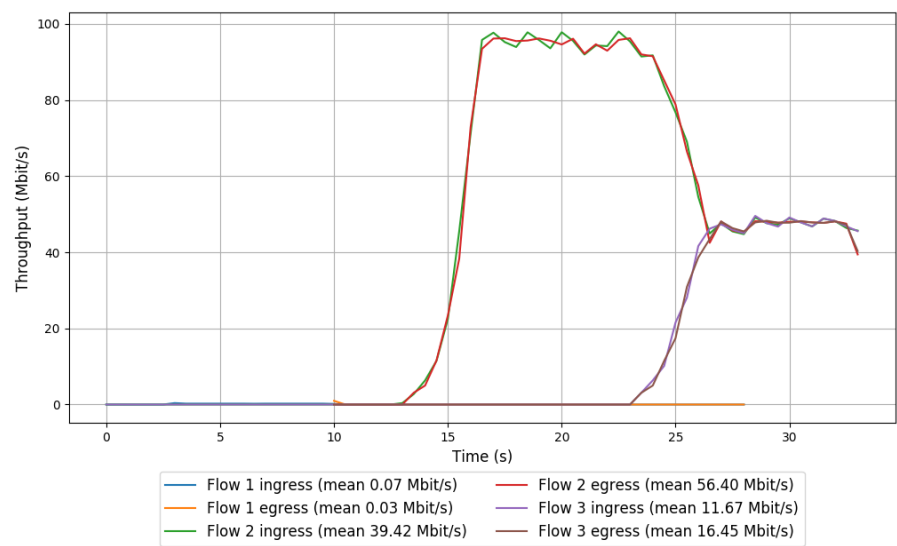
End at: Tue, 04 Jul 2017 23:56:56 +0000

Local clock offset: 0.037 ms

Remote clock offset: -3.05 ms



Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 00:16:55 +0000

End at: Wed, 05 Jul 2017 00:17:25 +0000

Local clock offset: 0.153 ms

Remote clock offset: -1.246 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:26:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.02 Mbit/s

95th percentile per-packet one-way delay: 51.049 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 63.77 Mbit/s

95th percentile per-packet one-way delay: 50.695 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 52.486 ms

Loss rate: 0.39%

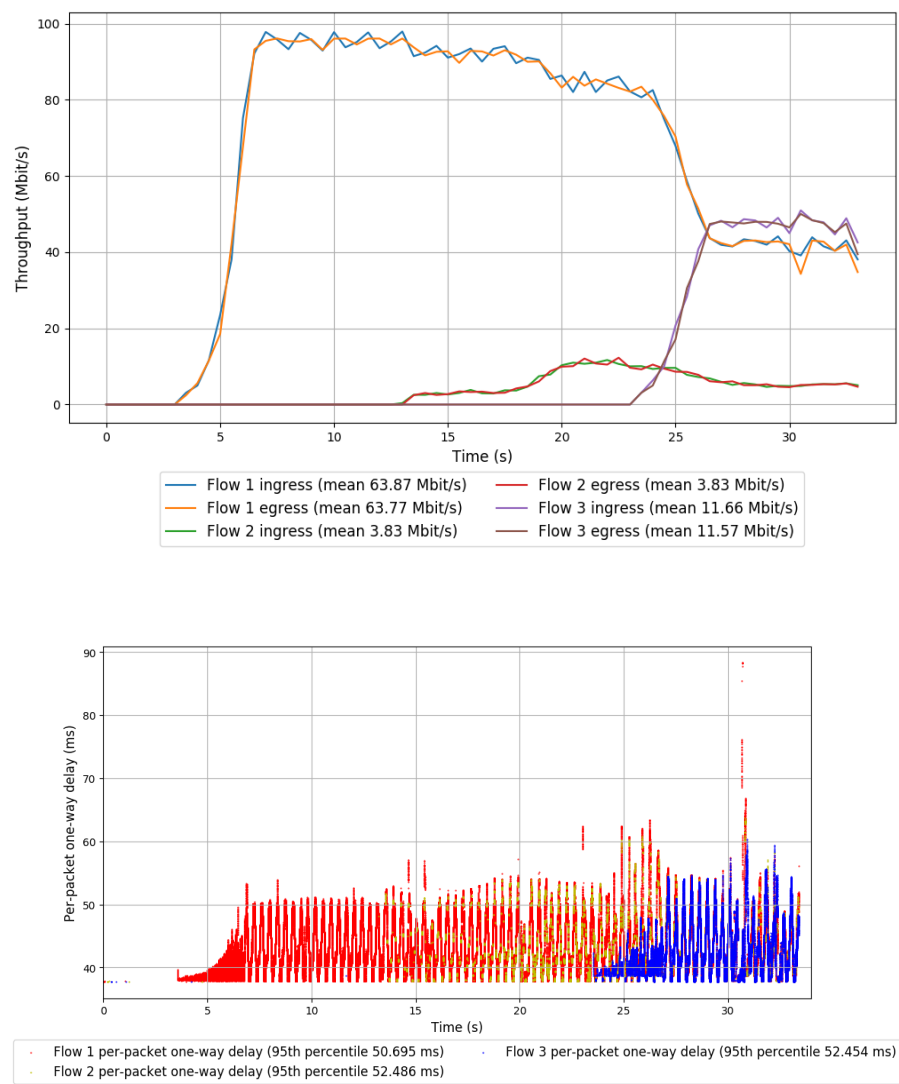
-- Flow 3:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 52.454 ms

Loss rate: 1.07%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 00:37:31 +0000

End at: Wed, 05 Jul 2017 00:38:01 +0000

Local clock offset: 0.172 ms

Remote clock offset: -2.521 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:26:27 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.97 Mbit/s

95th percentile per-packet one-way delay: 51.645 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 53.18 Mbit/s

95th percentile per-packet one-way delay: 51.243 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 25.18 Mbit/s

95th percentile per-packet one-way delay: 52.141 ms

Loss rate: 0.47%

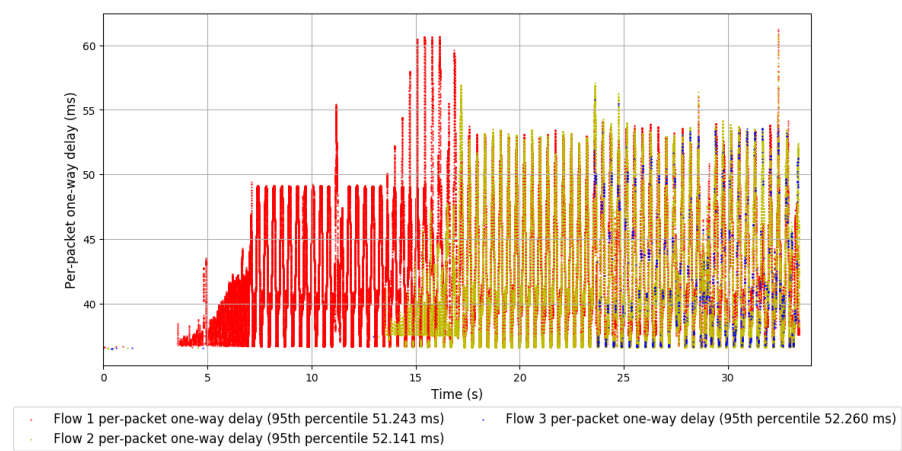
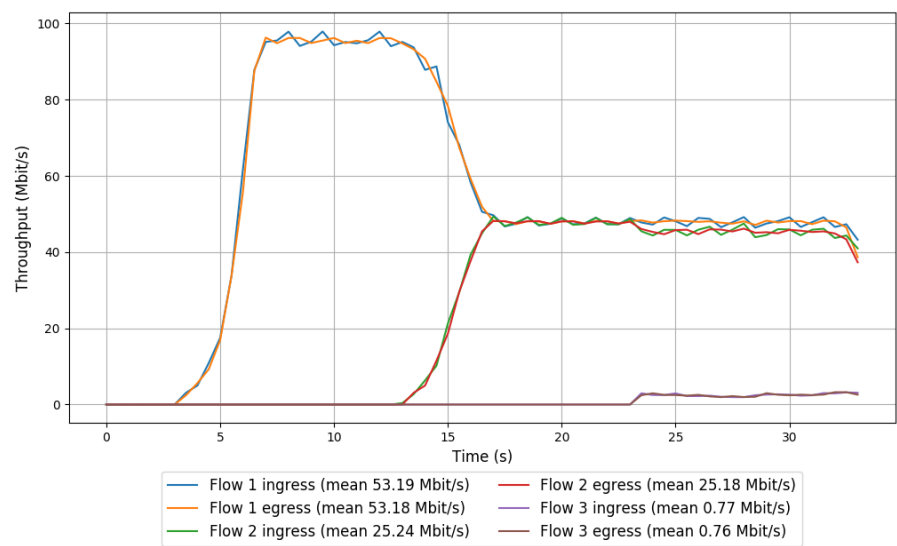
-- Flow 3:

Average throughput: 0.76 Mbit/s

95th percentile per-packet one-way delay: 52.260 ms

Loss rate: 1.13%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 00:58:08 +0000

End at: Wed, 05 Jul 2017 00:58:38 +0000

Local clock offset: 0.238 ms

Remote clock offset: -5.716 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:26:37 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.81 Mbit/s

95th percentile per-packet one-way delay: 50.456 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 48.69 Mbit/s

95th percentile per-packet one-way delay: 50.200 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 21.61 Mbit/s

95th percentile per-packet one-way delay: 50.208 ms

Loss rate: 0.73%

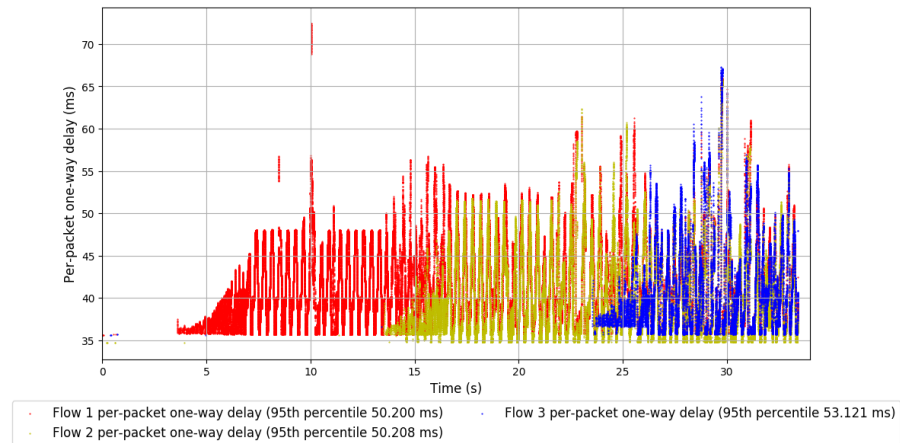
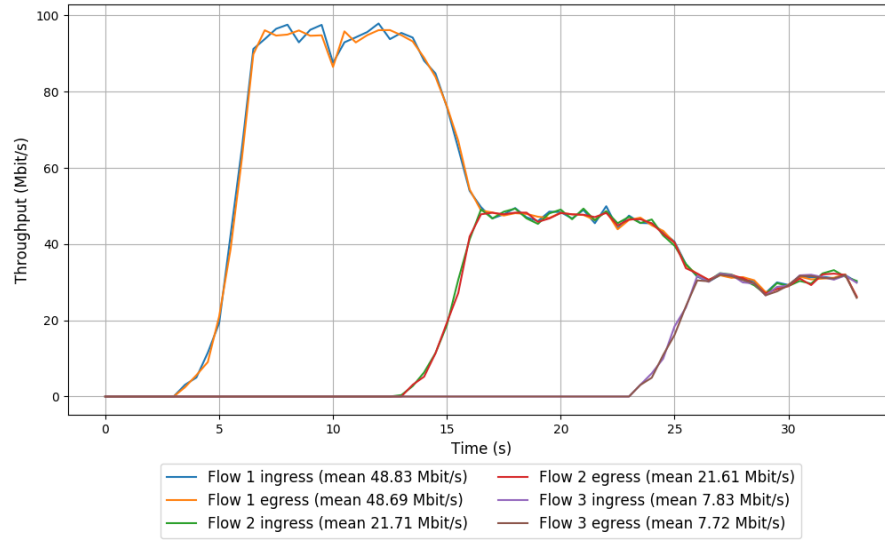
-- Flow 3:

Average throughput: 7.72 Mbit/s

95th percentile per-packet one-way delay: 53.121 ms

Loss rate: 1.64%

# Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 01:18:38 +0000

End at: Wed, 05 Jul 2017 01:19:08 +0000

Local clock offset: 0.341 ms

Remote clock offset: -3.39 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:26:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.94 Mbit/s

95th percentile per-packet one-way delay: 50.706 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 49.33 Mbit/s

95th percentile per-packet one-way delay: 49.328 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 21.91 Mbit/s

95th percentile per-packet one-way delay: 52.152 ms

Loss rate: 0.89%

-- Flow 3:

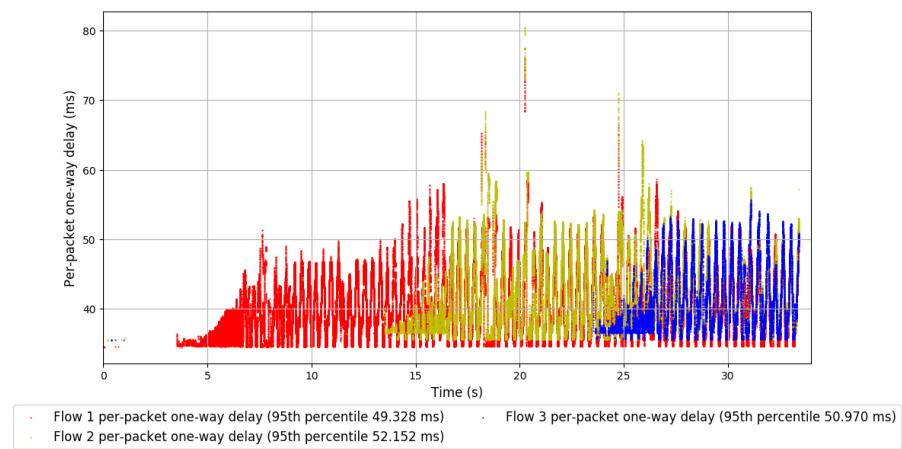
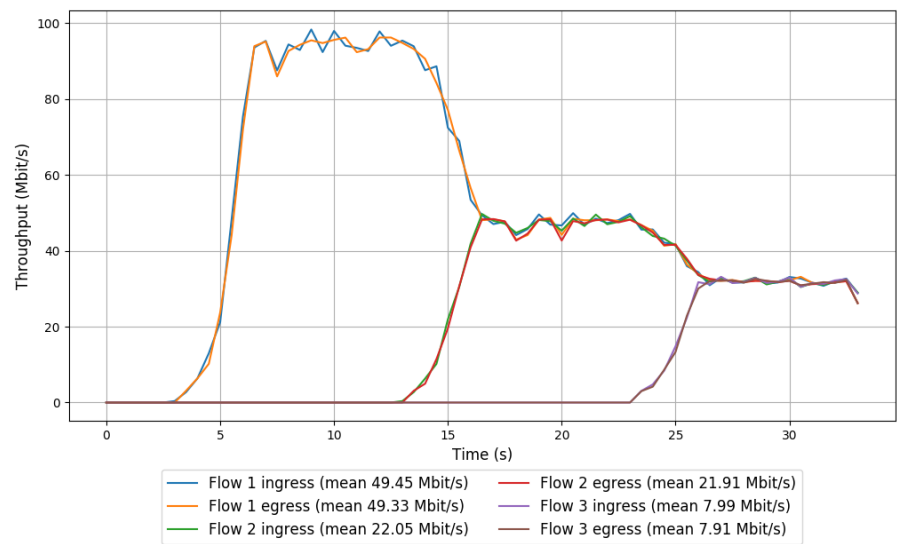
Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 50.970 ms

Loss rate: 1.17%



Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:09:23 +0000

End at: Tue, 04 Jul 2017 22:09:53 +0000

Local clock offset: 0.06 ms

Remote clock offset: -2.225 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:27:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.69 Mbit/s

95th percentile per-packet one-way delay: 39.693 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 47.64 Mbit/s

95th percentile per-packet one-way delay: 39.113 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 21.34 Mbit/s

95th percentile per-packet one-way delay: 40.143 ms

Loss rate: 0.45%

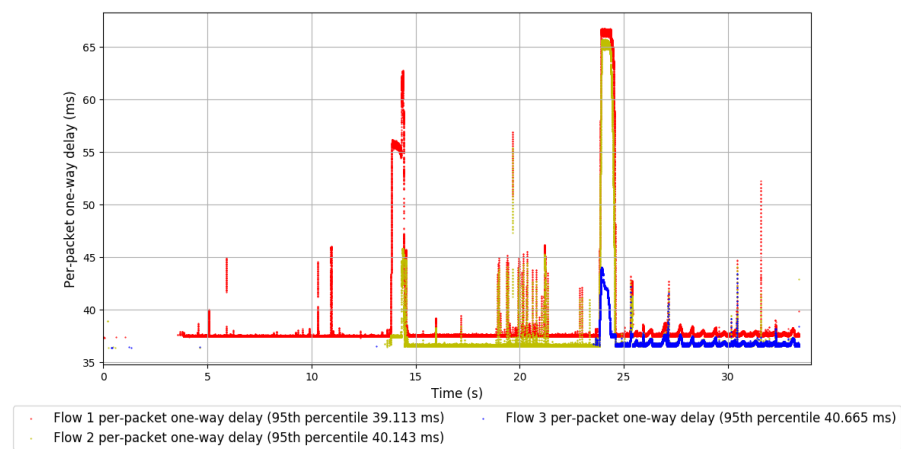
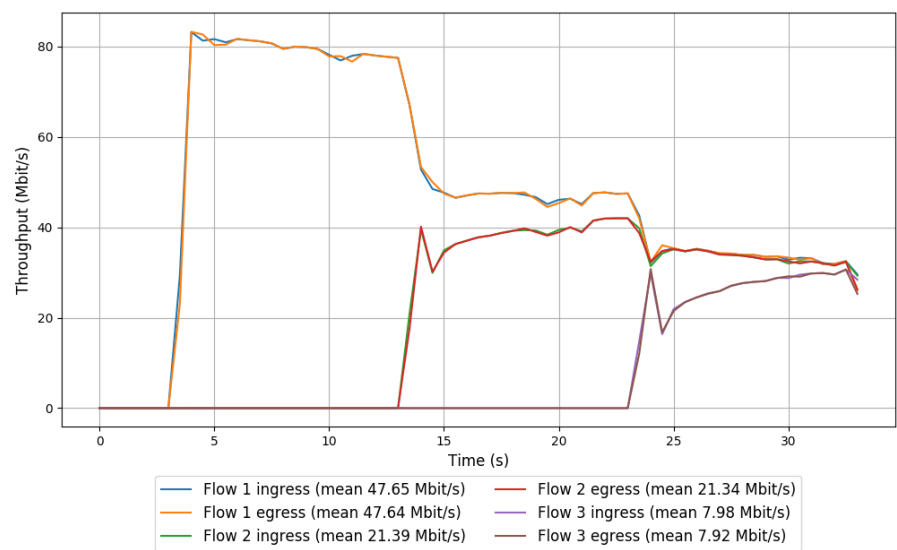
-- Flow 3:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 40.665 ms

Loss rate: 1.03%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:29:58 +0000

End at: Tue, 04 Jul 2017 22:30:28 +0000

Local clock offset: 0.081 ms

Remote clock offset: -3.511 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:27:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.77 Mbit/s

95th percentile per-packet one-way delay: 39.072 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 45.23 Mbit/s

95th percentile per-packet one-way delay: 38.579 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 20.11 Mbit/s

95th percentile per-packet one-way delay: 39.721 ms

Loss rate: 0.43%

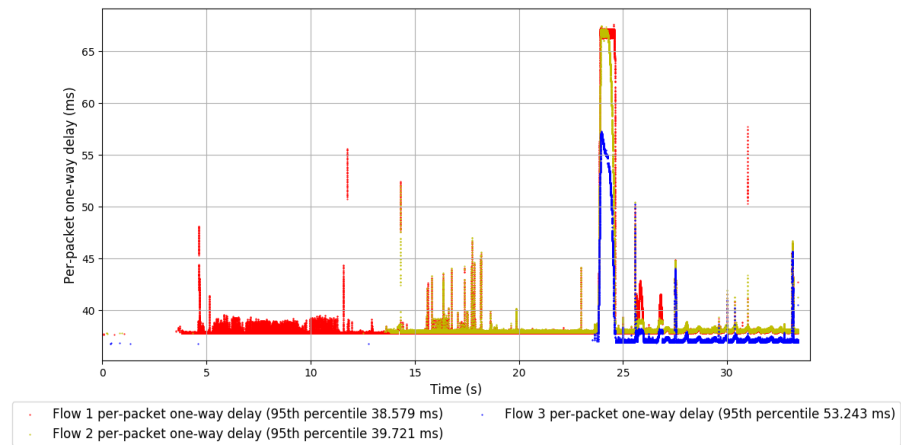
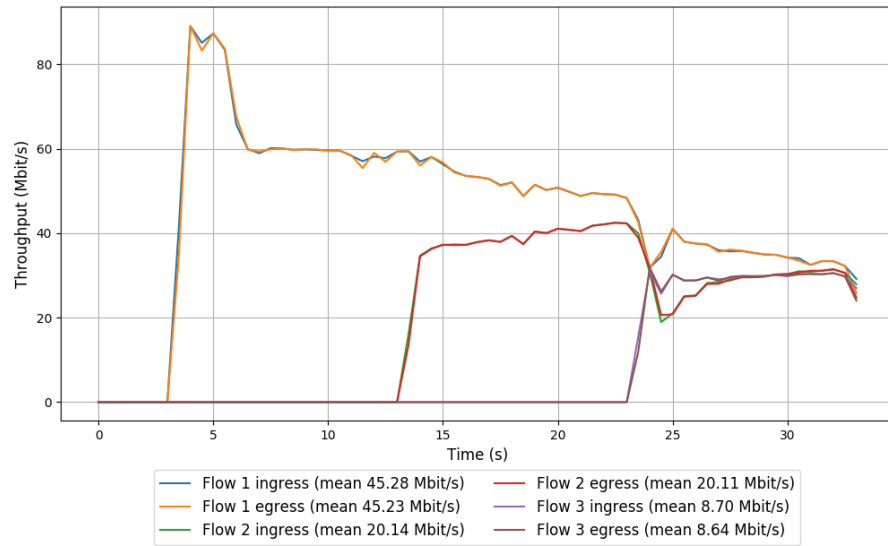
-- Flow 3:

Average throughput: 8.64 Mbit/s

95th percentile per-packet one-way delay: 53.243 ms

Loss rate: 0.91%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:50:34 +0000

End at: Tue, 04 Jul 2017 22:51:04 +0000

Local clock offset: 0.121 ms

Remote clock offset: -3.159 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:27:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 71.48 Mbit/s

95th percentile per-packet one-way delay: 41.731 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 38.49 Mbit/s

95th percentile per-packet one-way delay: 39.180 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 23.80 Mbit/s

95th percentile per-packet one-way delay: 43.402 ms

Loss rate: 0.44%

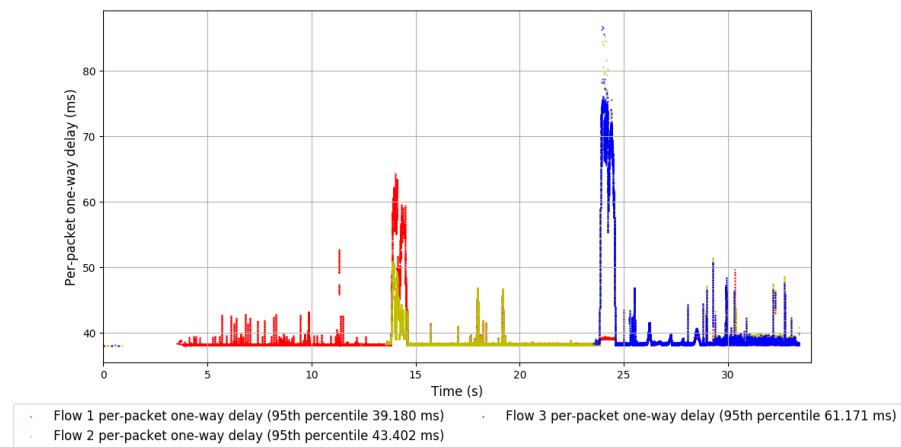
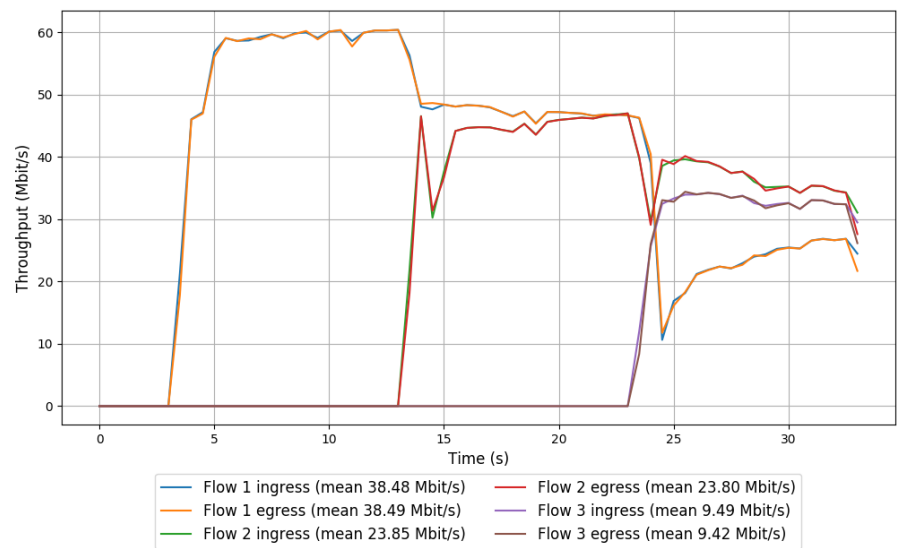
-- Flow 3:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 61.171 ms

Loss rate: 1.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Tue, 04 Jul 2017 23:11:14 +0000

End at: Tue, 04 Jul 2017 23:11:44 +0000

Local clock offset: -0.109 ms

Remote clock offset: -2.846 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:27:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.48 Mbit/s

95th percentile per-packet one-way delay: 45.121 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 47.25 Mbit/s

95th percentile per-packet one-way delay: 44.379 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 21.95 Mbit/s

95th percentile per-packet one-way delay: 43.817 ms

Loss rate: 0.66%

-- Flow 3:

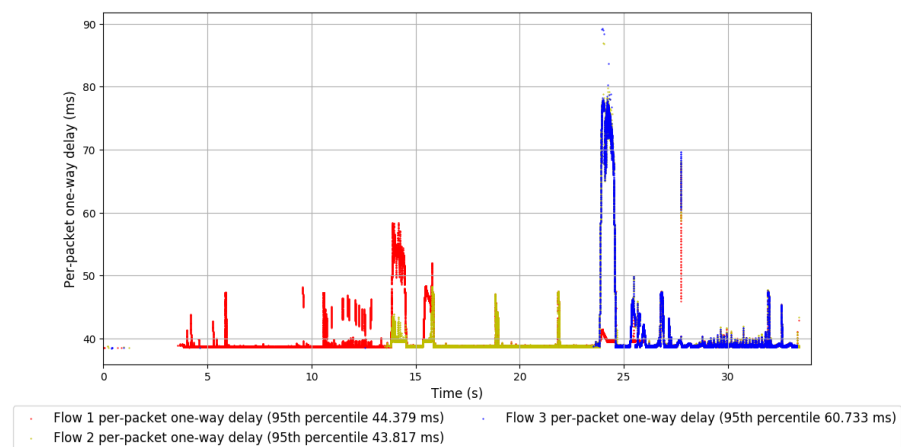
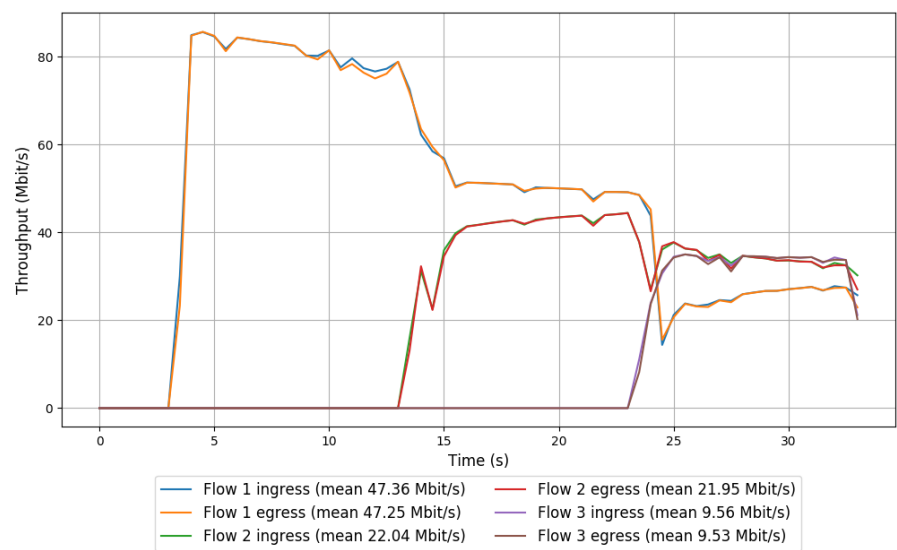
Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 60.733 ms

Loss rate: 0.95%



Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Tue, 04 Jul 2017 23:31:50 +0000

End at: Tue, 04 Jul 2017 23:32:20 +0000

Local clock offset: -0.099 ms

Remote clock offset: -0.706 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:27:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 72.90 Mbit/s

95th percentile per-packet one-way delay: 42.207 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 45.37 Mbit/s

95th percentile per-packet one-way delay: 41.933 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 20.44 Mbit/s

95th percentile per-packet one-way delay: 42.369 ms

Loss rate: 0.53%

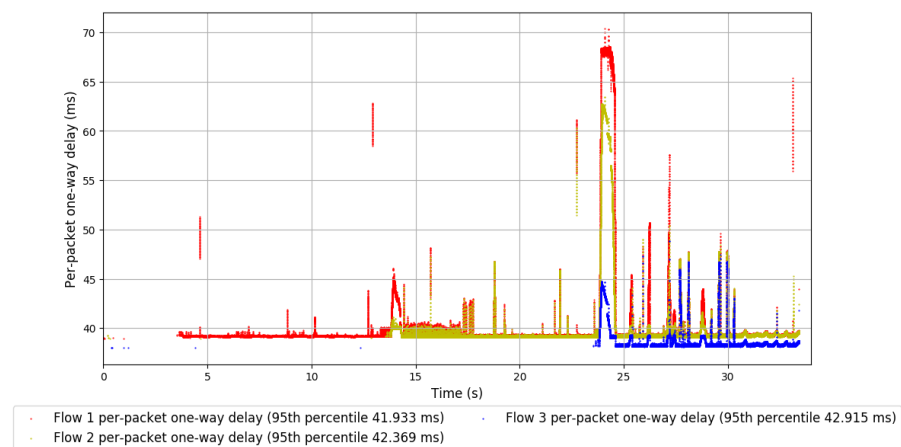
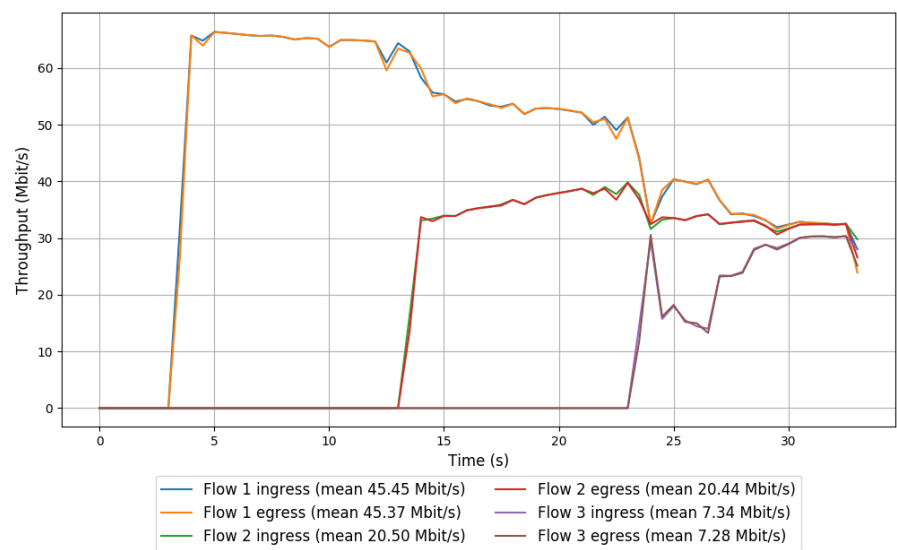
-- Flow 3:

Average throughput: 7.28 Mbit/s

95th percentile per-packet one-way delay: 42.915 ms

Loss rate: 1.16%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Tue, 04 Jul 2017 23:52:21 +0000

End at: Tue, 04 Jul 2017 23:52:51 +0000

Local clock offset: -0.069 ms

Remote clock offset: -0.869 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:27:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 68.46 Mbit/s

95th percentile per-packet one-way delay: 44.483 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 35.88 Mbit/s

95th percentile per-packet one-way delay: 39.657 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 23.67 Mbit/s

95th percentile per-packet one-way delay: 47.353 ms

Loss rate: 0.42%

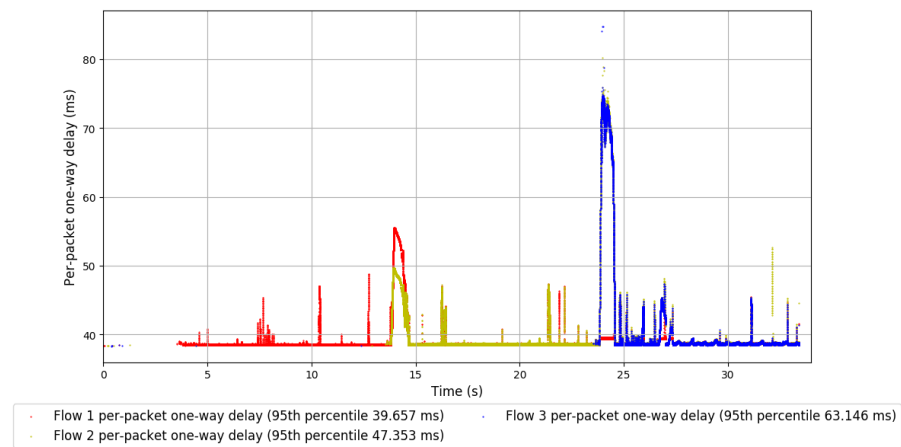
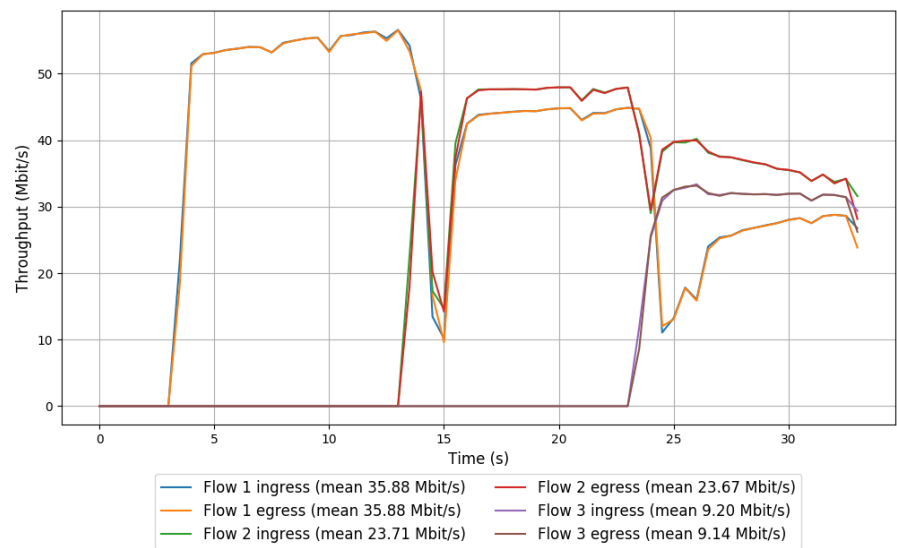
-- Flow 3:

Average throughput: 9.14 Mbit/s

95th percentile per-packet one-way delay: 63.146 ms

Loss rate: 0.92%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Wed, 05 Jul 2017 00:12:45 +0000

End at: Wed, 05 Jul 2017 00:13:15 +0000

Local clock offset: 0.128 ms

Remote clock offset: -3.551 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:27:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.37 Mbit/s

95th percentile per-packet one-way delay: 40.205 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 50.35 Mbit/s

95th percentile per-packet one-way delay: 40.975 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 18.87 Mbit/s

95th percentile per-packet one-way delay: 39.165 ms

Loss rate: 0.59%

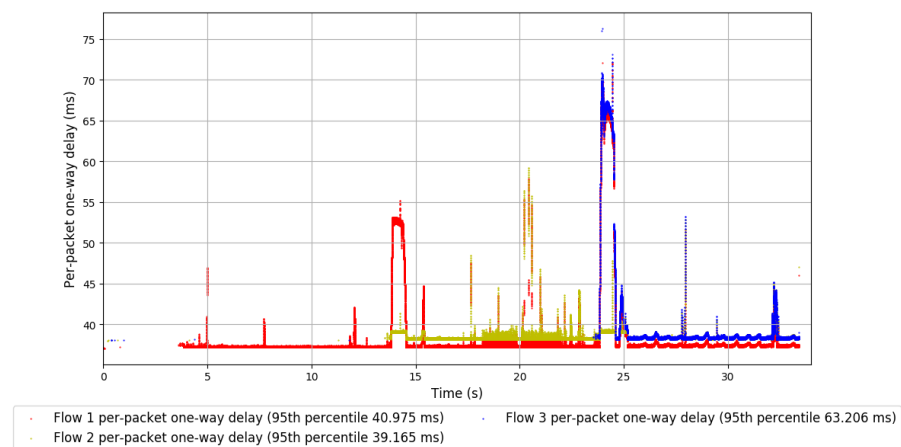
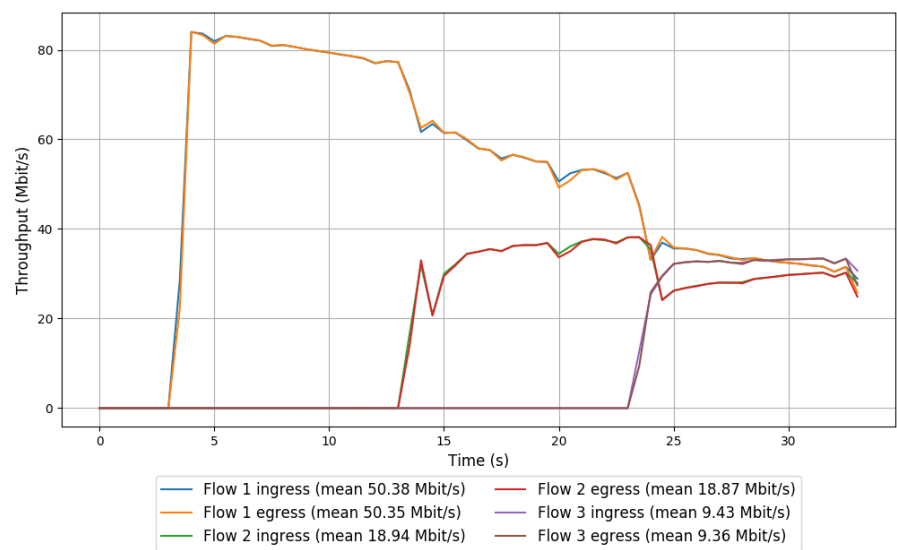
-- Flow 3:

Average throughput: 9.36 Mbit/s

95th percentile per-packet one-way delay: 63.206 ms

Loss rate: 0.97%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Wed, 05 Jul 2017 00:33:22 +0000

End at: Wed, 05 Jul 2017 00:33:52 +0000

Local clock offset: 0.139 ms

Remote clock offset: -1.944 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:27:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 70.88 Mbit/s

95th percentile per-packet one-way delay: 38.301 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 41.42 Mbit/s

95th percentile per-packet one-way delay: 36.697 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 20.64 Mbit/s

95th percentile per-packet one-way delay: 41.295 ms

Loss rate: 0.50%

-- Flow 3:

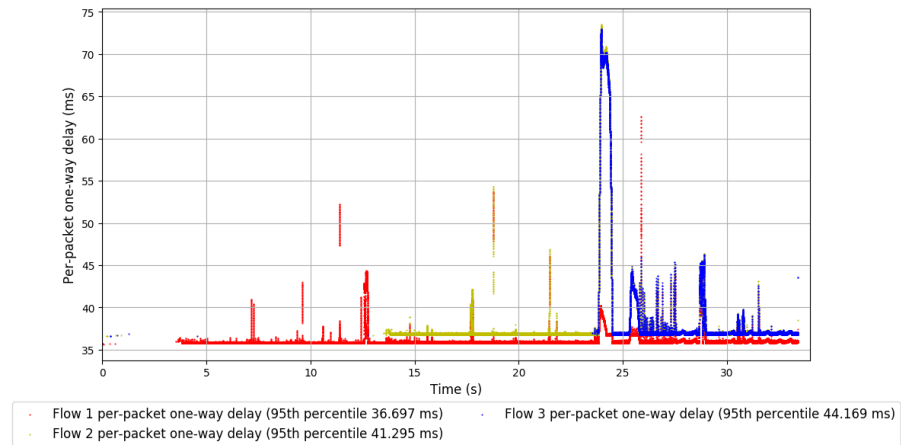
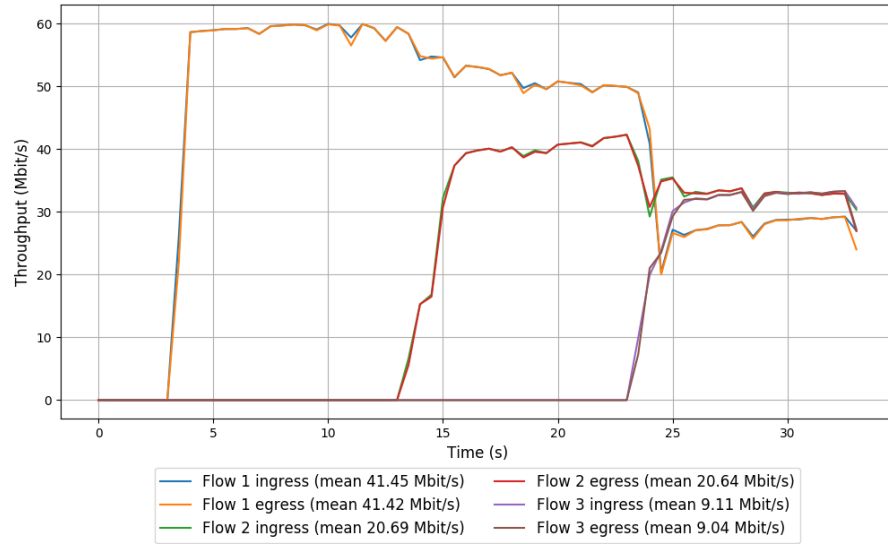
Average throughput: 9.04 Mbit/s

95th percentile per-packet one-way delay: 44.169 ms

Loss rate: 1.04%



## Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Wed, 05 Jul 2017 00:53:59 +0000

End at: Wed, 05 Jul 2017 00:54:29 +0000

Local clock offset: 0.22 ms

Remote clock offset: -5.288 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:28:17 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.75 Mbit/s

95th percentile per-packet one-way delay: 38.649 ms

Loss rate: 0.37%

-- Flow 1:

Average throughput: 48.57 Mbit/s

95th percentile per-packet one-way delay: 39.223 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 19.52 Mbit/s

95th percentile per-packet one-way delay: 35.811 ms

Loss rate: 0.40%

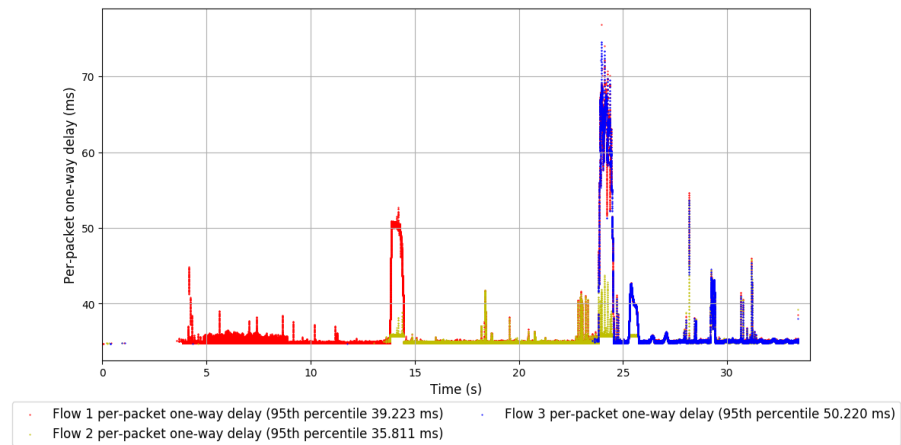
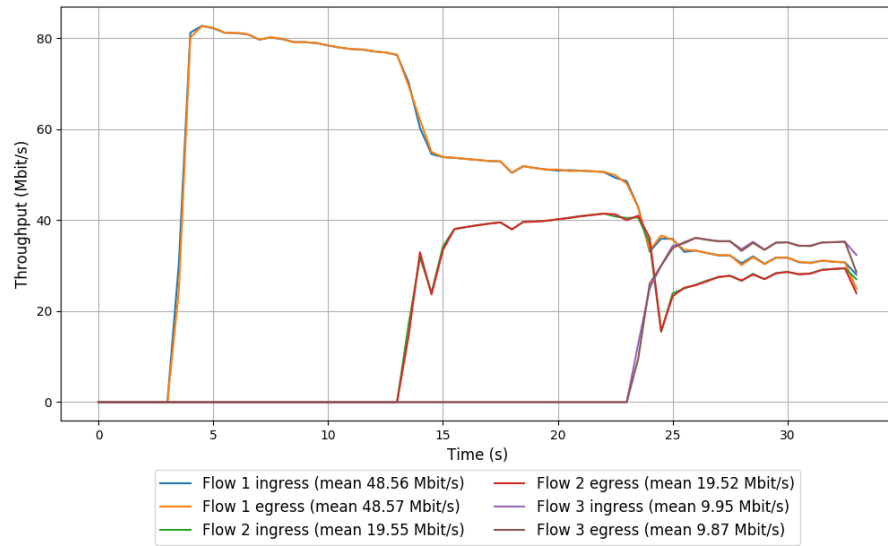
-- Flow 3:

Average throughput: 9.87 Mbit/s

95th percentile per-packet one-way delay: 50.220 ms

Loss rate: 1.04%

## Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Wed, 05 Jul 2017 01:14:30 +0000

End at: Wed, 05 Jul 2017 01:15:00 +0000

Local clock offset: 0.445 ms

Remote clock offset: -3.942 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:28:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.40 Mbit/s

95th percentile per-packet one-way delay: 43.196 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 51.12 Mbit/s

95th percentile per-packet one-way delay: 44.087 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 21.75 Mbit/s

95th percentile per-packet one-way delay: 48.359 ms

Loss rate: 0.46%

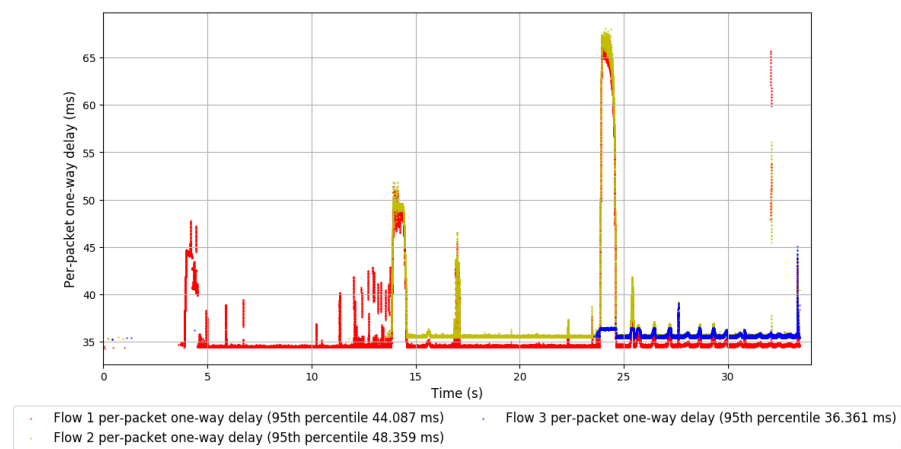
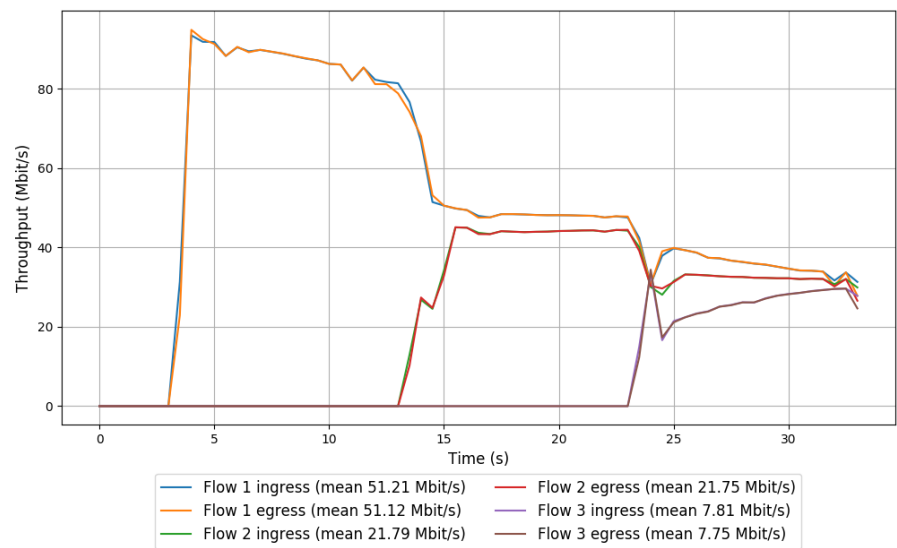
-- Flow 3:

Average throughput: 7.75 Mbit/s

95th percentile per-packet one-way delay: 36.361 ms

Loss rate: 1.02%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:08:00 +0000

End at: Tue, 04 Jul 2017 22:08:30 +0000

Local clock offset: 0.029 ms

Remote clock offset: -3.947 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 82.747 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 47.92 Mbit/s

95th percentile per-packet one-way delay: 82.681 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 28.52 Mbit/s

95th percentile per-packet one-way delay: 61.349 ms

Loss rate: 1.06%

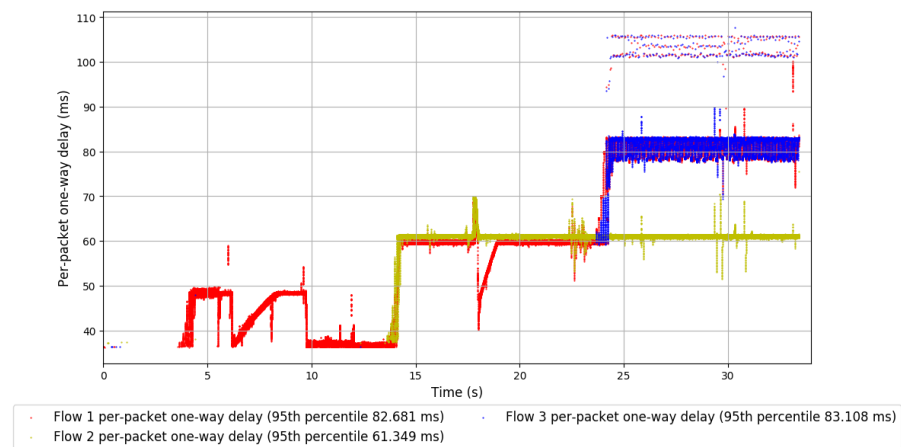
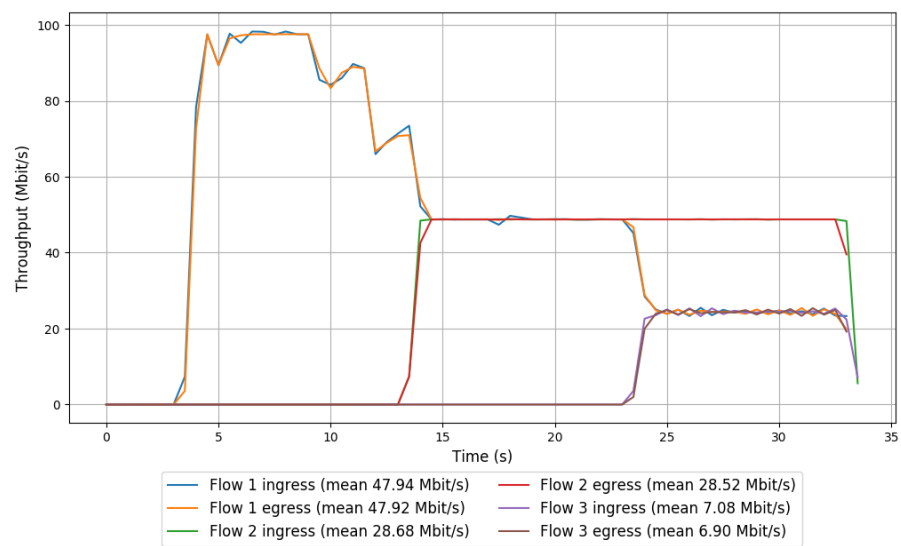
-- Flow 3:

Average throughput: 6.90 Mbit/s

95th percentile per-packet one-way delay: 83.108 ms

Loss rate: 3.10%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:28:34 +0000

End at: Tue, 04 Jul 2017 22:29:04 +0000

Local clock offset: 0.107 ms

Remote clock offset: -3.862 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:28:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.03 Mbit/s

95th percentile per-packet one-way delay: 70.380 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 50.36 Mbit/s

95th percentile per-packet one-way delay: 68.770 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 61.638 ms

Loss rate: 0.55%

-- Flow 3:

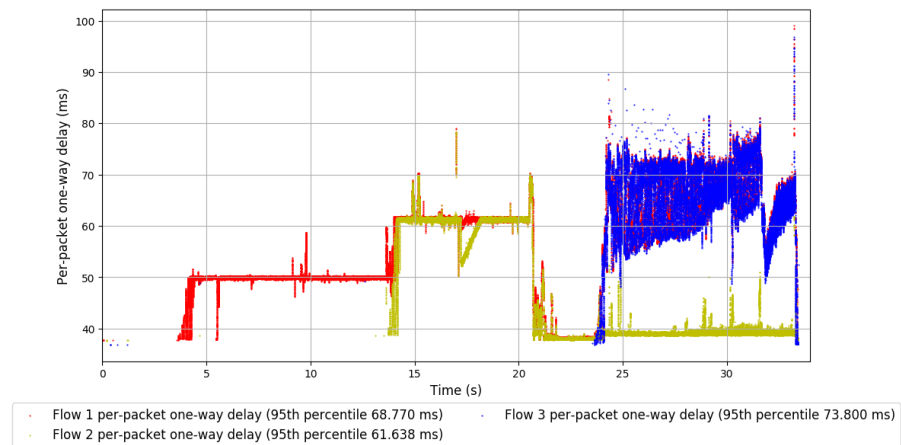
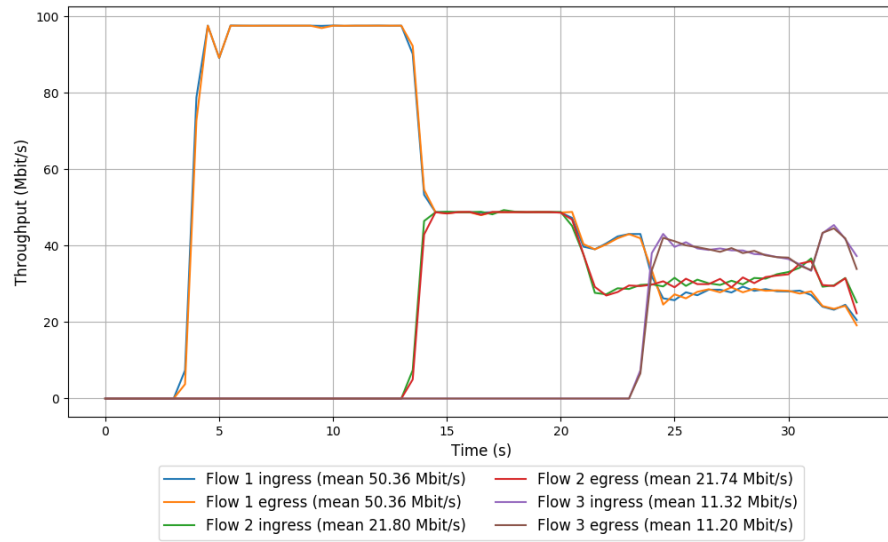
Average throughput: 11.20 Mbit/s

95th percentile per-packet one-way delay: 73.800 ms

Loss rate: 1.24%



## Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:49:12 +0000

End at: Tue, 04 Jul 2017 22:49:42 +0000

Local clock offset: 0.159 ms

Remote clock offset: -0.633 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:28:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 61.74 Mbit/s

95th percentile per-packet one-way delay: 54.959 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 27.04 Mbit/s

95th percentile per-packet one-way delay: 50.414 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 15.21 Mbit/s

95th percentile per-packet one-way delay: 53.230 ms

Loss rate: 0.38%

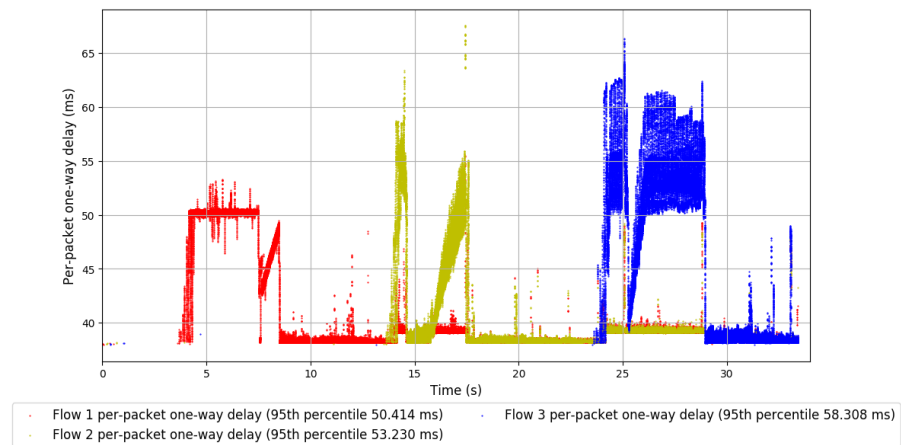
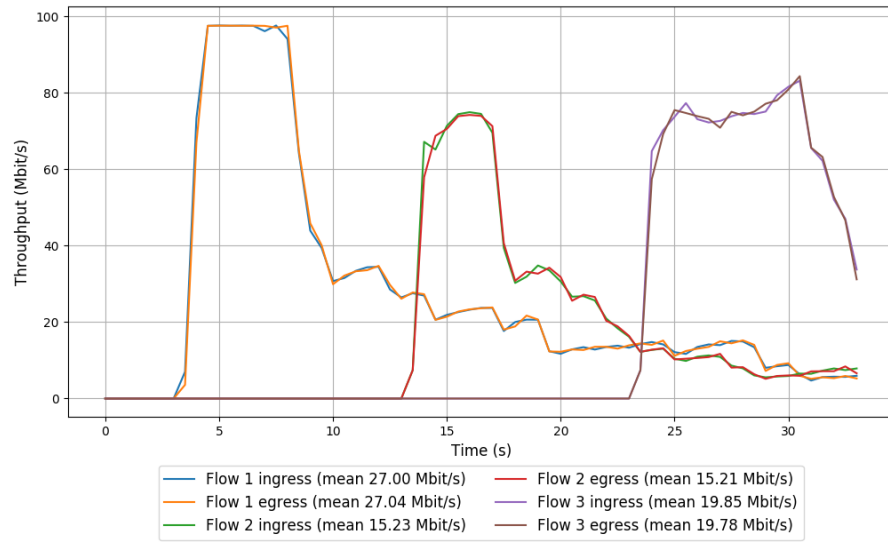
-- Flow 3:

Average throughput: 19.78 Mbit/s

95th percentile per-packet one-way delay: 58.308 ms

Loss rate: 0.60%

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



Run 4: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:09:52 +0000

End at: Tue, 04 Jul 2017 23:10:22 +0000

Local clock offset: -0.016 ms

Remote clock offset: -0.703 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:28:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 58.59 Mbit/s

95th percentile per-packet one-way delay: 57.233 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 13.68 Mbit/s

95th percentile per-packet one-way delay: 56.548 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 20.41 Mbit/s

95th percentile per-packet one-way delay: 54.135 ms

Loss rate: 0.13%

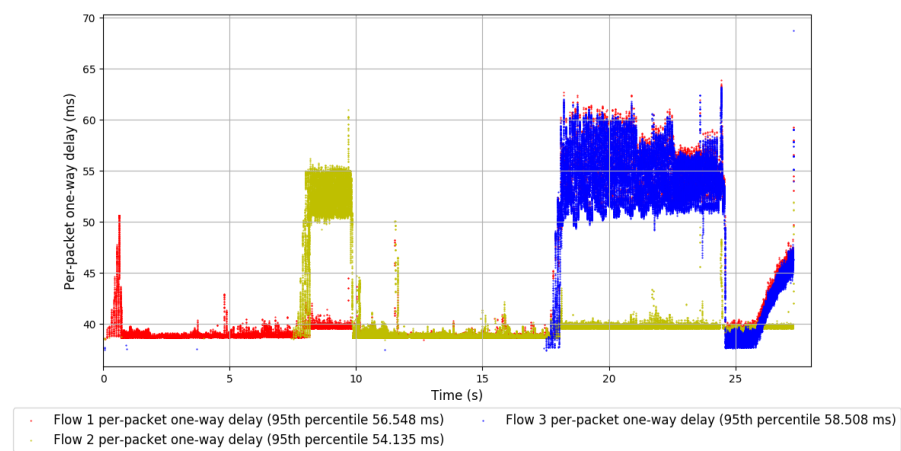
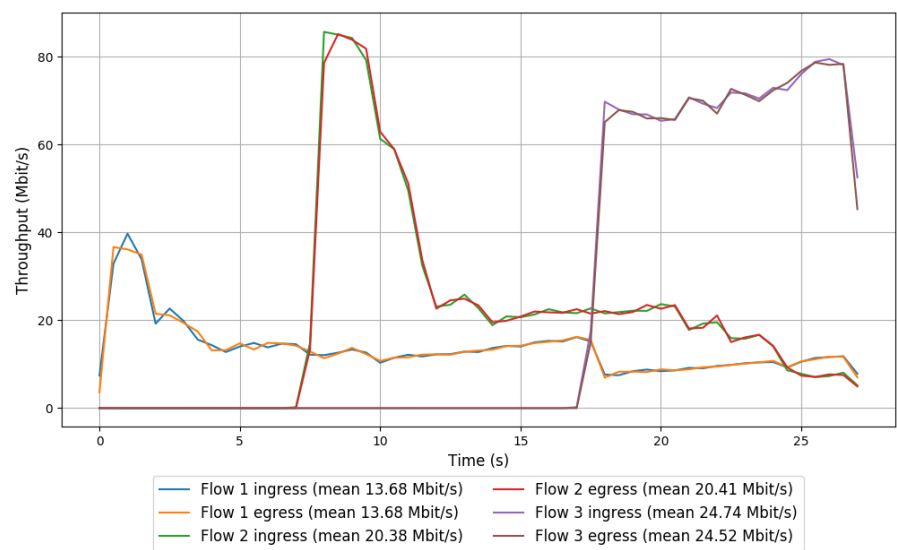
-- Flow 3:

Average throughput: 24.52 Mbit/s

95th percentile per-packet one-way delay: 58.508 ms

Loss rate: 1.10%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:30:26 +0000

End at: Tue, 04 Jul 2017 23:30:56 +0000

Local clock offset: -0.164 ms

Remote clock offset: -0.779 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:28:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.06 Mbit/s

95th percentile per-packet one-way delay: 71.020 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 36.92 Mbit/s

95th percentile per-packet one-way delay: 69.207 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 26.27 Mbit/s

95th percentile per-packet one-way delay: 71.644 ms

Loss rate: 0.53%

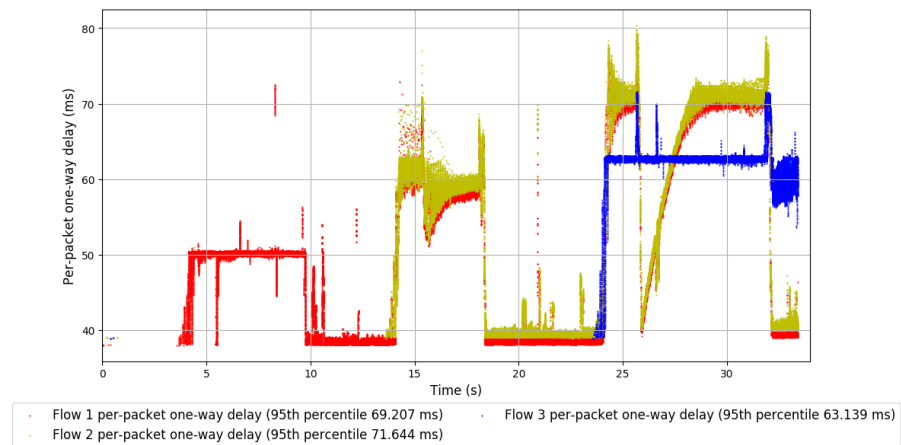
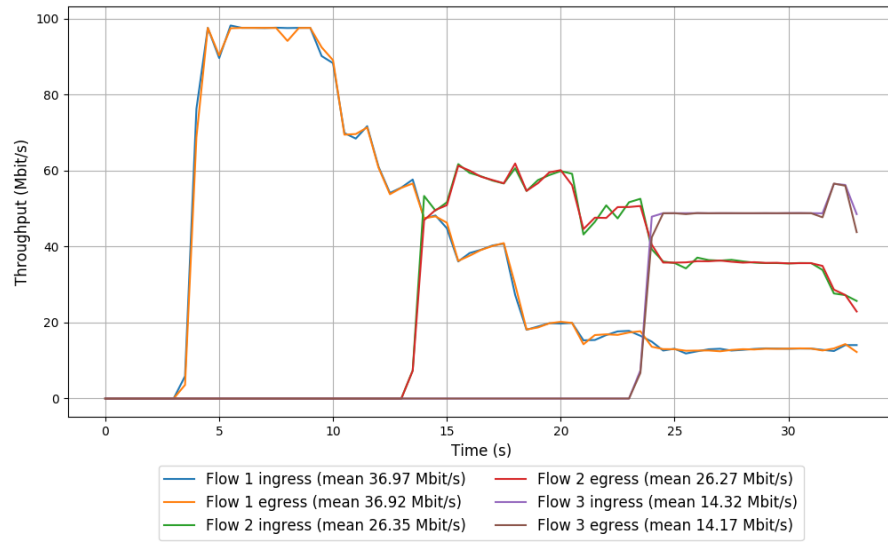
-- Flow 3:

Average throughput: 14.17 Mbit/s

95th percentile per-packet one-way delay: 63.139 ms

Loss rate: 1.30%

## Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:50:58 +0000

End at: Tue, 04 Jul 2017 23:51:28 +0000

Local clock offset: 0.008 ms

Remote clock offset: -0.354 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:28:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.81 Mbit/s

95th percentile per-packet one-way delay: 84.055 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 48.45 Mbit/s

95th percentile per-packet one-way delay: 61.291 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 21.64 Mbit/s

95th percentile per-packet one-way delay: 84.186 ms

Loss rate: 0.45%

-- Flow 3:

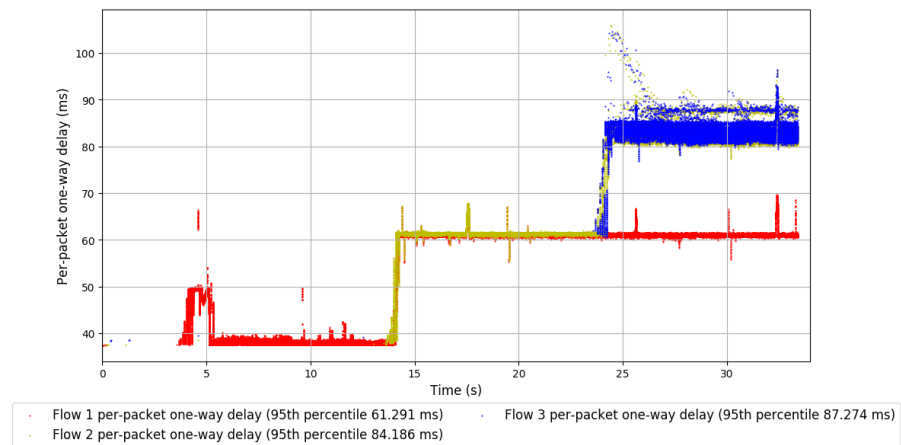
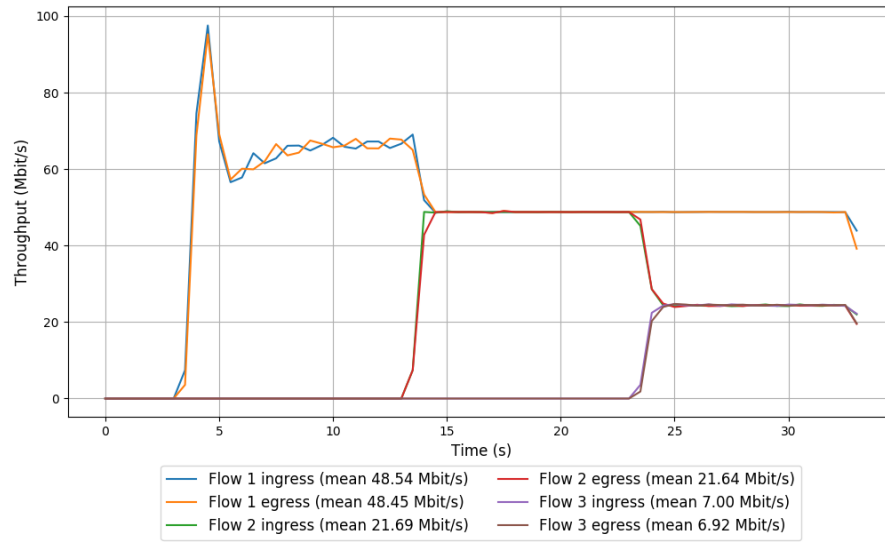
Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 87.274 ms

Loss rate: 1.40%



## Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

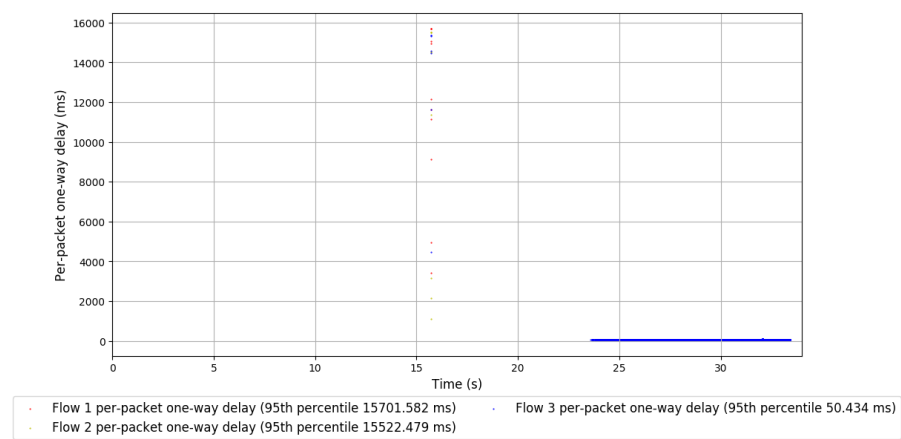
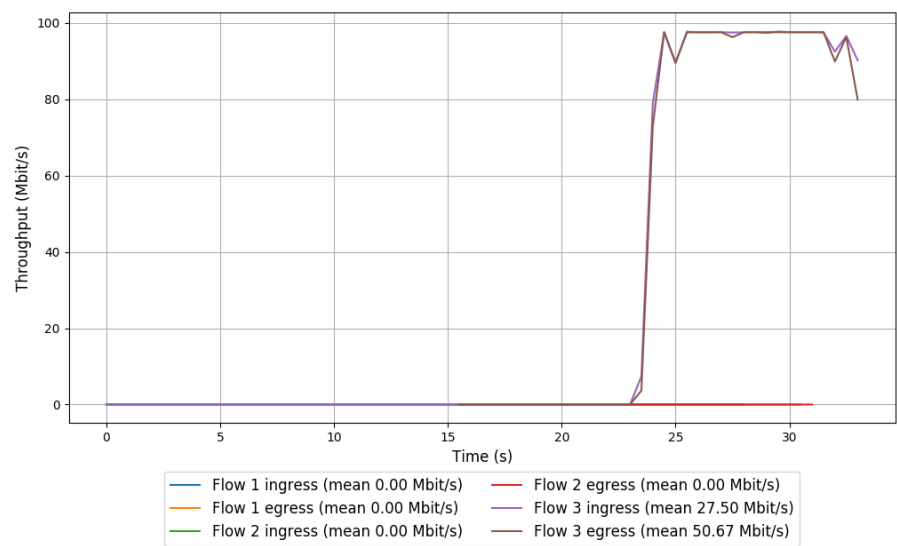
Start at: Wed, 05 Jul 2017 00:11:26 +0000

End at: Wed, 05 Jul 2017 00:11:56 +0000

Local clock offset: 0.043 ms

Remote clock offset: -3.442 ms

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 00:31:58 +0000

End at: Wed, 05 Jul 2017 00:32:28 +0000

Local clock offset: 0.257 ms

Remote clock offset: -1.826 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.05 Mbit/s

95th percentile per-packet one-way delay: 81.816 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 48.85 Mbit/s

95th percentile per-packet one-way delay: 81.456 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 28.57 Mbit/s

95th percentile per-packet one-way delay: 60.802 ms

Loss rate: 0.64%

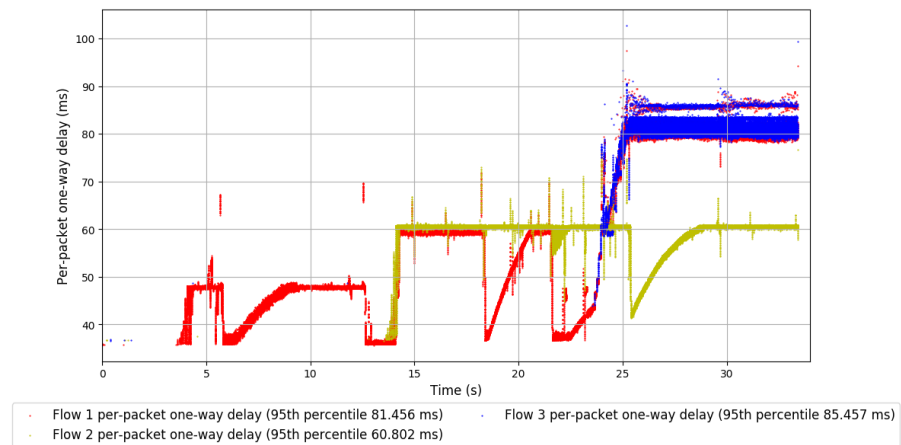
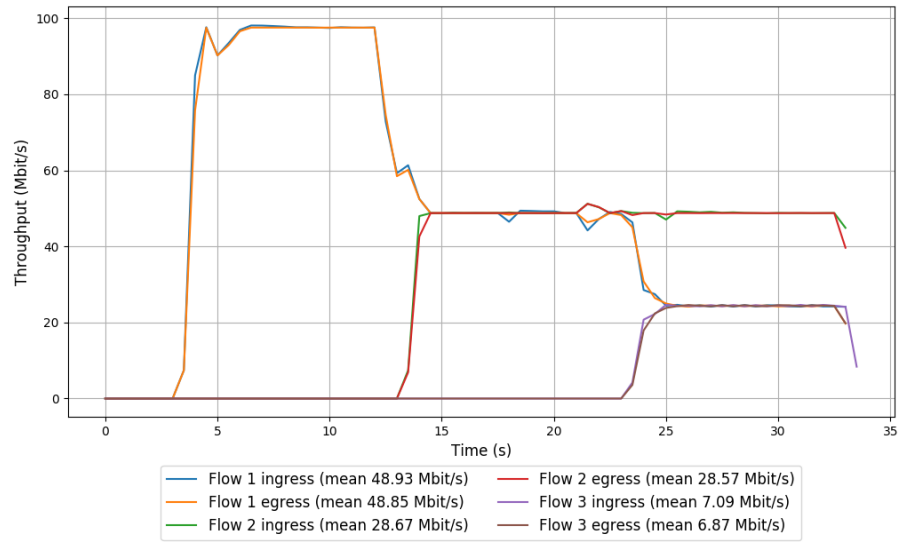
-- Flow 3:

Average throughput: 6.87 Mbit/s

95th percentile per-packet one-way delay: 85.457 ms

Loss rate: 3.59%

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



Run 9: Statistics of TCP Cubic

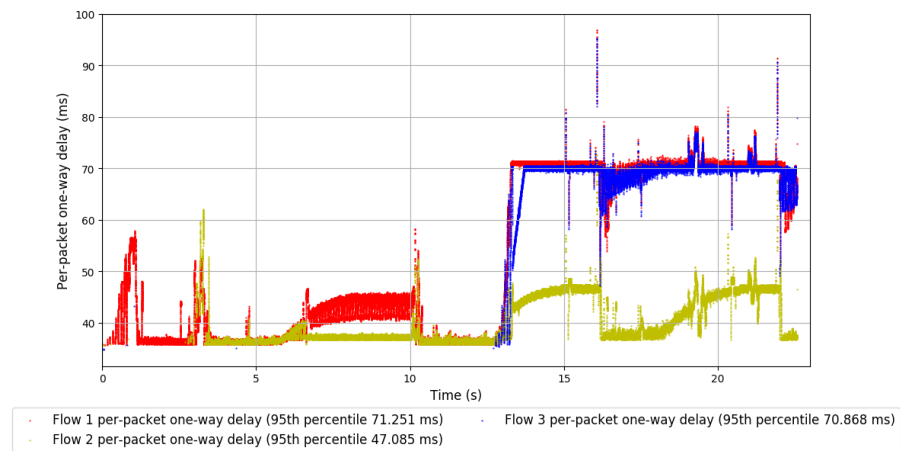
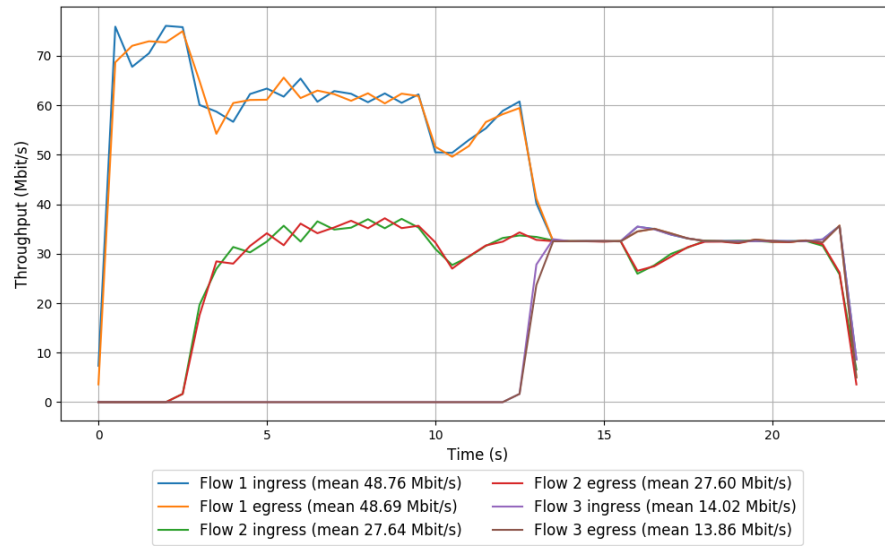
Start at: Wed, 05 Jul 2017 00:52:36 +0000

End at: Wed, 05 Jul 2017 00:53:06 +0000

Local clock offset: 0.297 ms

Remote clock offset: -3.64 ms

# Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 01:13:10 +0000

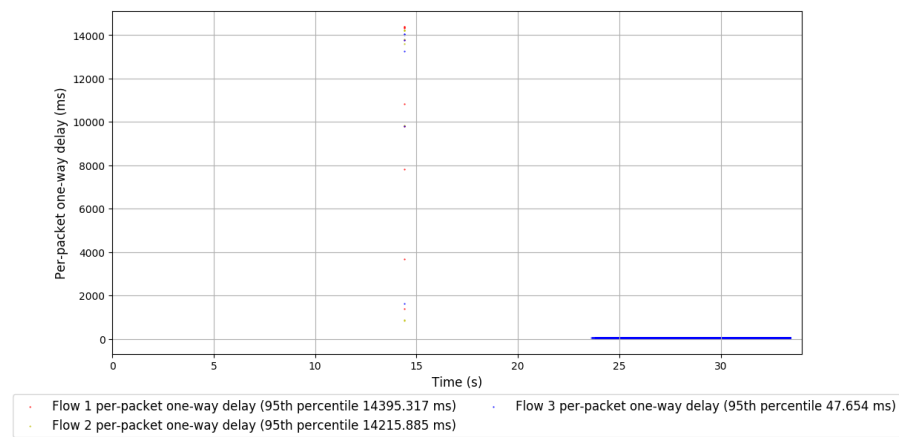
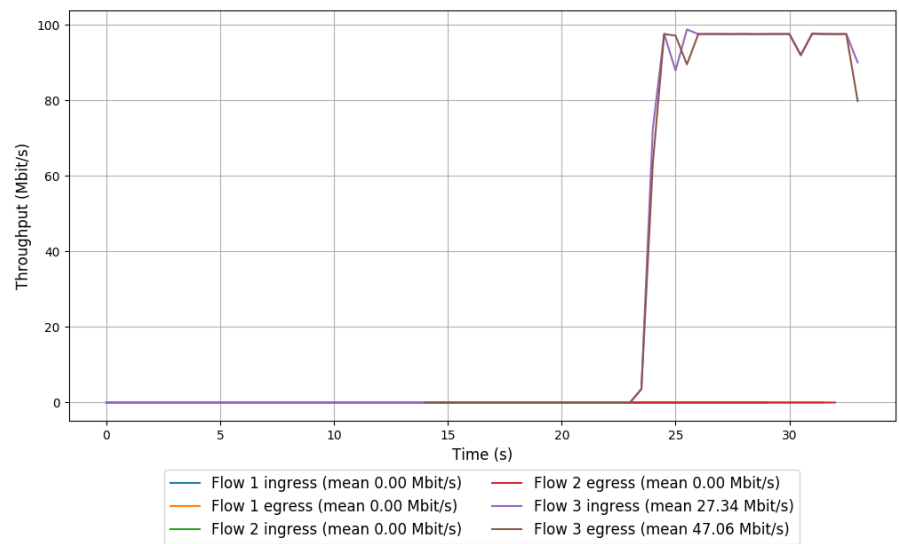
End at: Wed, 05 Jul 2017 01:13:40 +0000

Local clock offset: 0.359 ms

Remote clock offset: -5.869 ms



Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 22:14:56 +0000

End at: Tue, 04 Jul 2017 22:15:26 +0000

Local clock offset: 0.021 ms

Remote clock offset: -1.794 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.78 Mbit/s

95th percentile per-packet one-way delay: 38.126 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 11.99 Mbit/s

95th percentile per-packet one-way delay: 38.241 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 37.586 ms

Loss rate: 0.45%

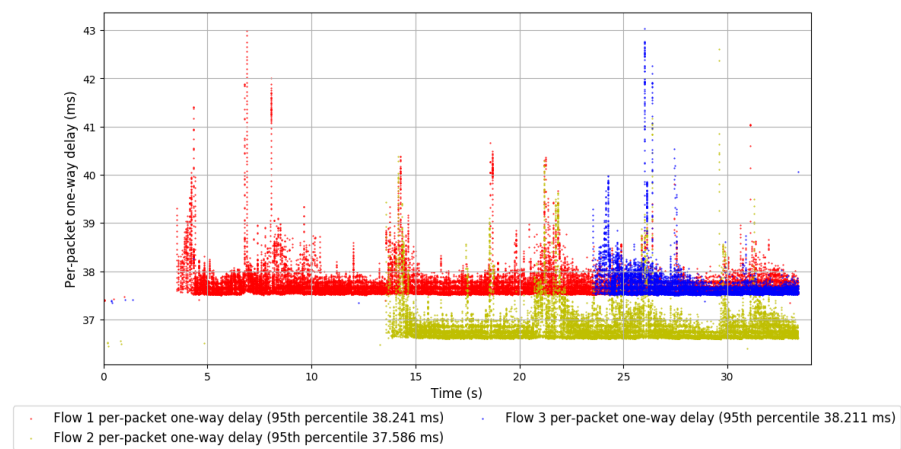
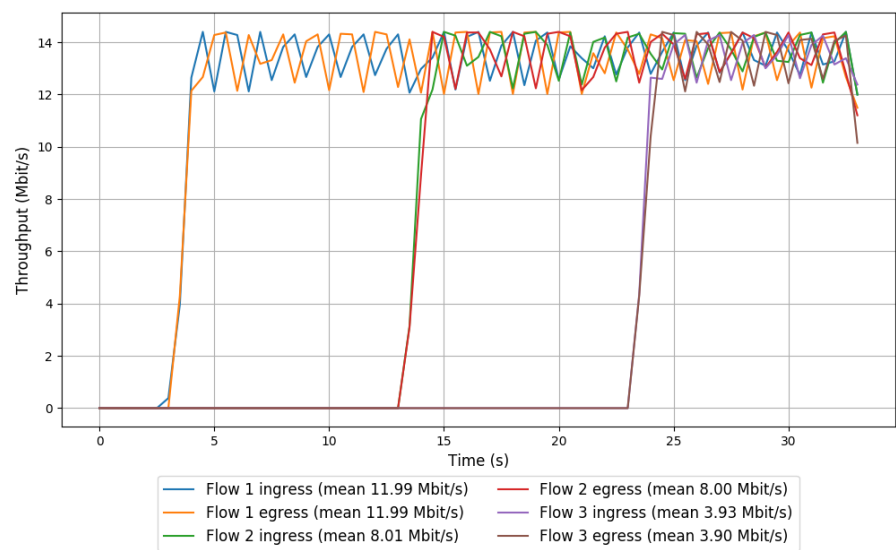
-- Flow 3:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 38.211 ms

Loss rate: 0.91%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 22:35:33 +0000

End at: Tue, 04 Jul 2017 22:36:03 +0000

Local clock offset: 0.059 ms

Remote clock offset: -3.329 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.99 Mbit/s

95th percentile per-packet one-way delay: 38.423 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 12.13 Mbit/s

95th percentile per-packet one-way delay: 37.938 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 38.716 ms

Loss rate: 0.45%

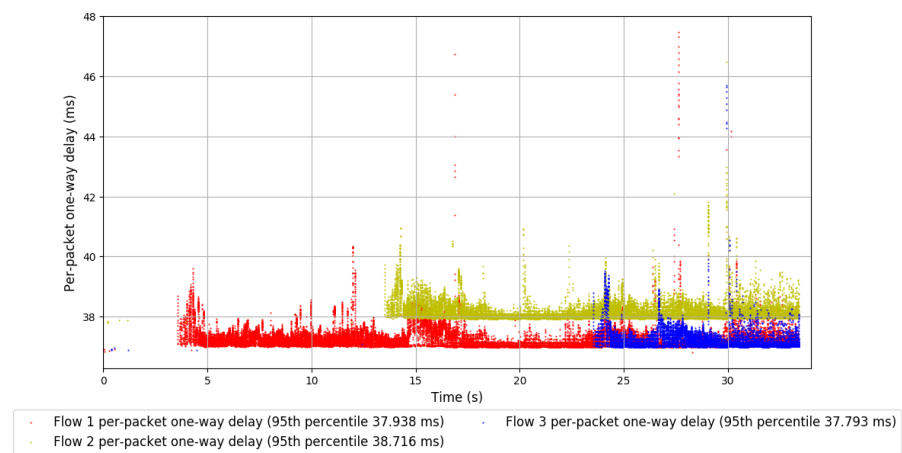
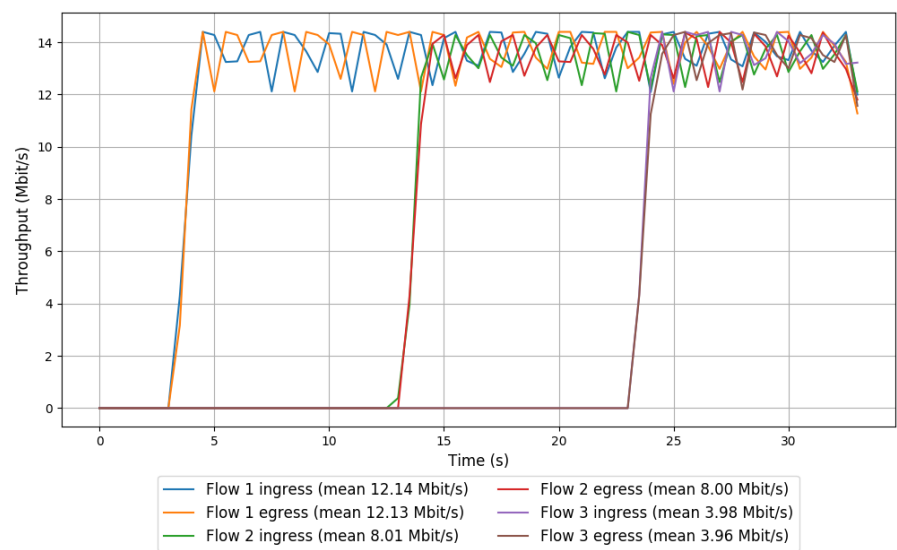
-- Flow 3:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 37.793 ms

Loss rate: 0.90%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 22:56:06 +0000

End at: Tue, 04 Jul 2017 22:56:36 +0000

Local clock offset: -0.016 ms

Remote clock offset: -1.329 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:16 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.77 Mbit/s

95th percentile per-packet one-way delay: 38.901 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 38.926 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 38.865 ms

Loss rate: 0.46%

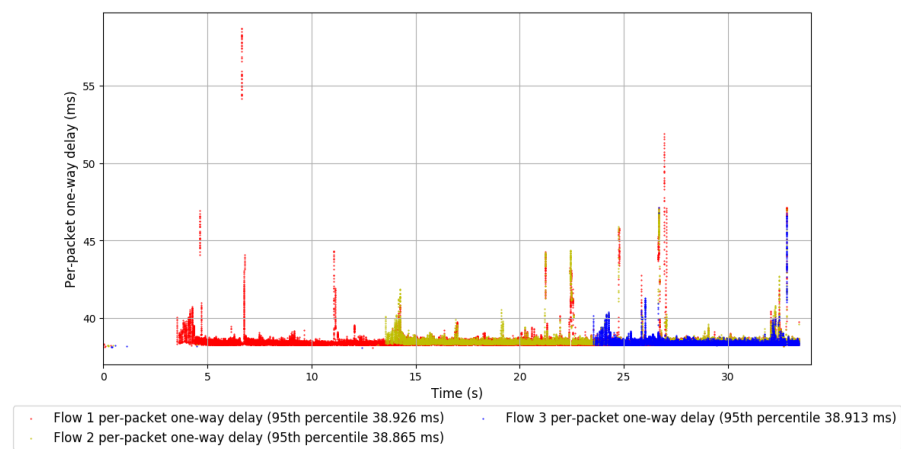
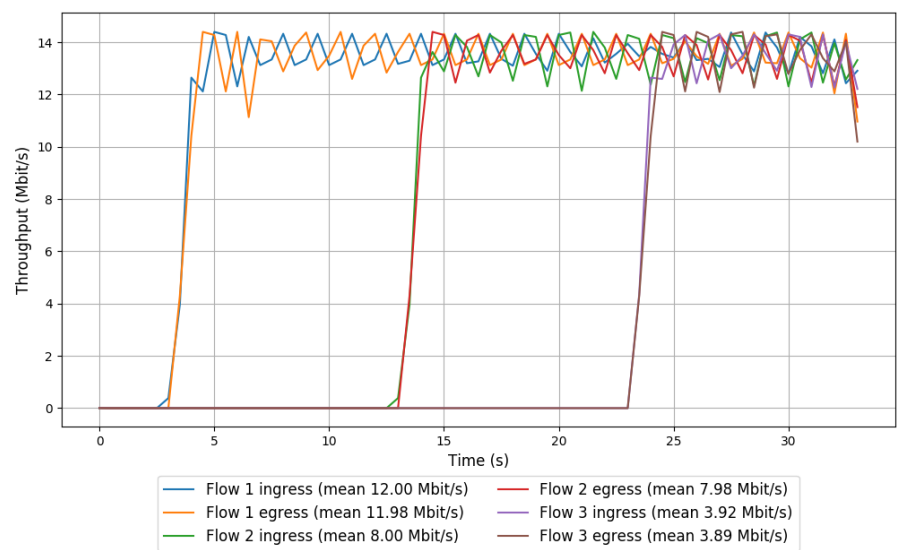
-- Flow 3:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 38.913 ms

Loss rate: 0.95%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:16:49 +0000

End at: Tue, 04 Jul 2017 23:17:19 +0000

Local clock offset: -0.157 ms

Remote clock offset: -2.659 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.87 Mbit/s

95th percentile per-packet one-way delay: 39.293 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 38.739 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 39.556 ms

Loss rate: 0.45%

-- Flow 3:

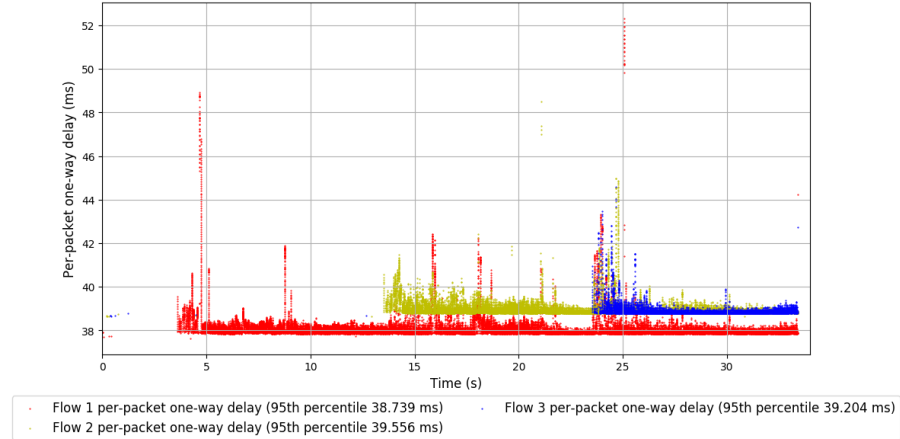
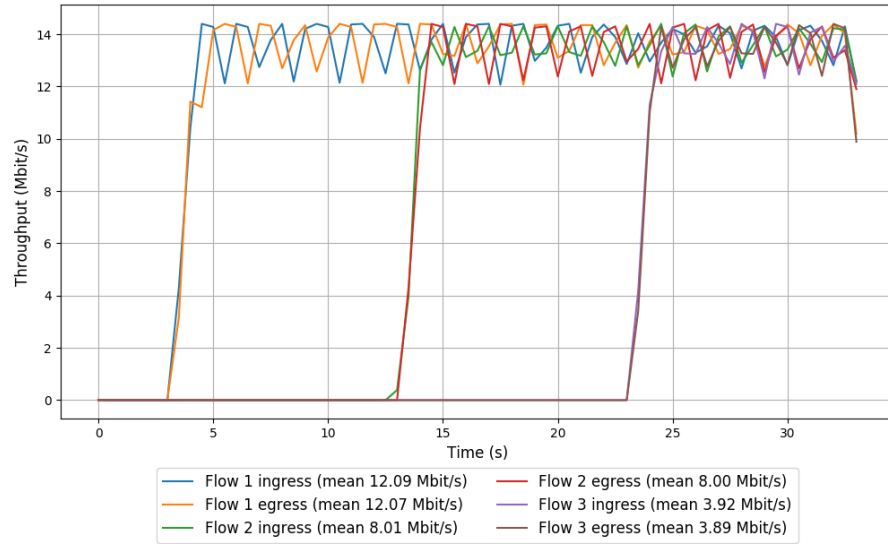
Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 39.204 ms

Loss rate: 0.92%



# Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:37:24 +0000

End at: Tue, 04 Jul 2017 23:37:54 +0000

Local clock offset: -0.067 ms

Remote clock offset: -2.37 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:21 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 39.599 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 12.16 Mbit/s

95th percentile per-packet one-way delay: 38.939 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 39.738 ms

Loss rate: 0.45%

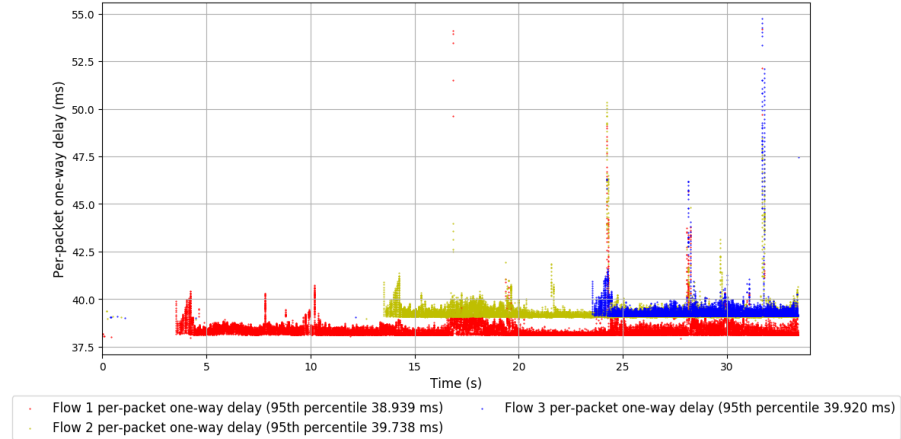
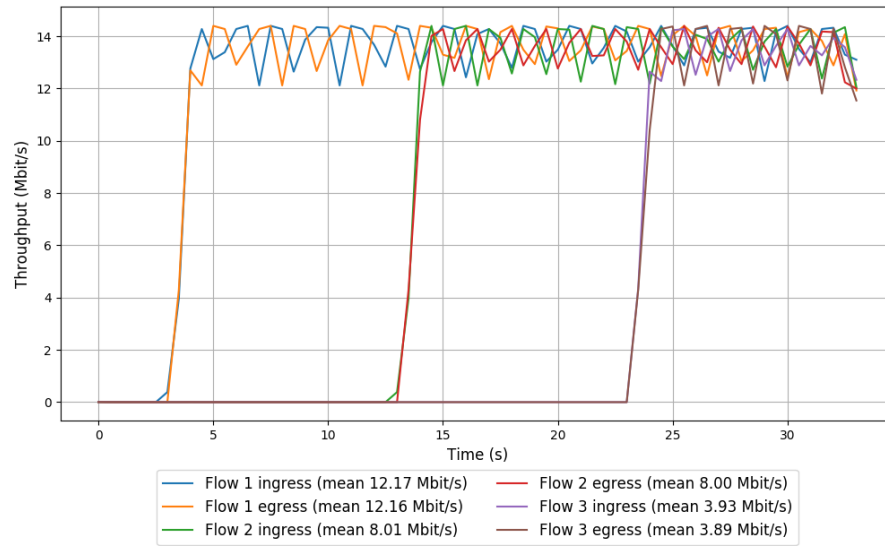
-- Flow 3:

Average throughput: 3.89 Mbit/s

95th percentile per-packet one-way delay: 39.920 ms

Loss rate: 1.08%

# Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:57:48 +0000

End at: Tue, 04 Jul 2017 23:58:18 +0000

Local clock offset: 0.067 ms

Remote clock offset: -0.859 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.79 Mbit/s

95th percentile per-packet one-way delay: 39.035 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 11.99 Mbit/s

95th percentile per-packet one-way delay: 38.936 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 7.99 Mbit/s

95th percentile per-packet one-way delay: 39.049 ms

Loss rate: 0.52%

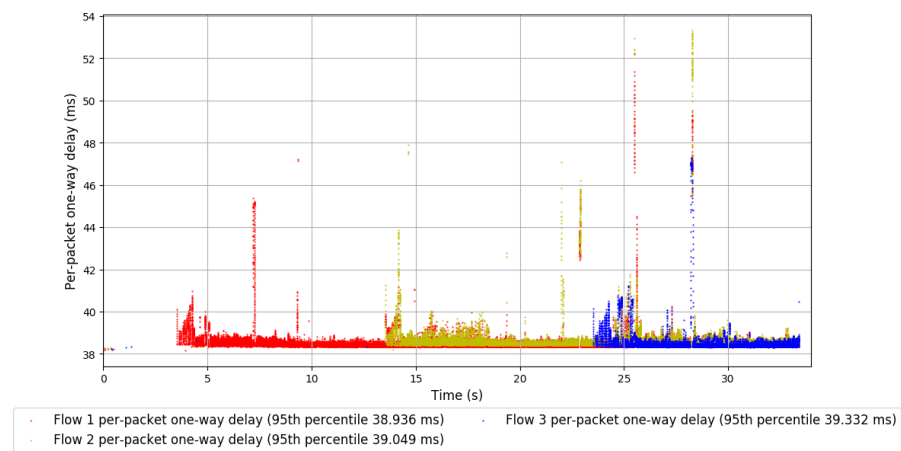
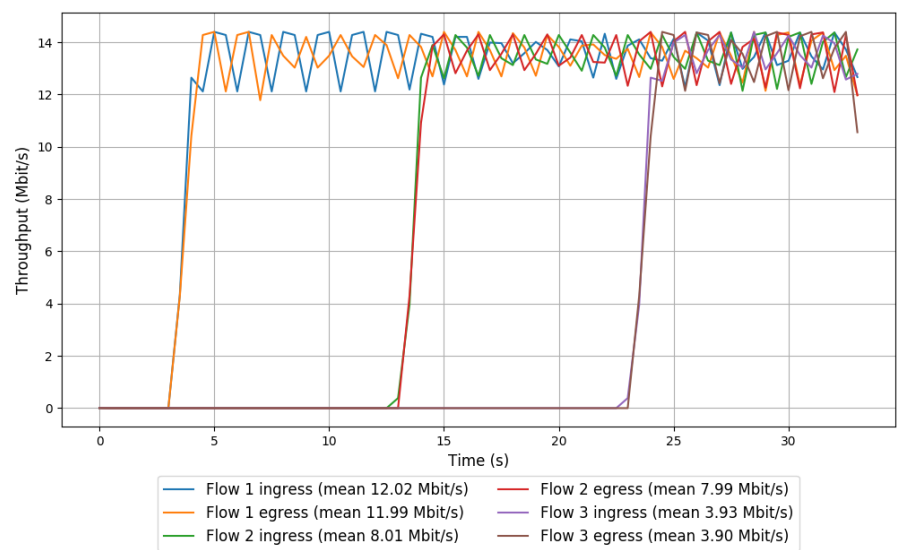
-- Flow 3:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 39.332 ms

Loss rate: 1.06%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 00:18:20 +0000

End at: Wed, 05 Jul 2017 00:18:50 +0000

Local clock offset: 0.168 ms

Remote clock offset: -1.499 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 38.049 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 12.15 Mbit/s

95th percentile per-packet one-way delay: 37.380 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 8.07 Mbit/s

95th percentile per-packet one-way delay: 37.490 ms

Loss rate: 0.44%

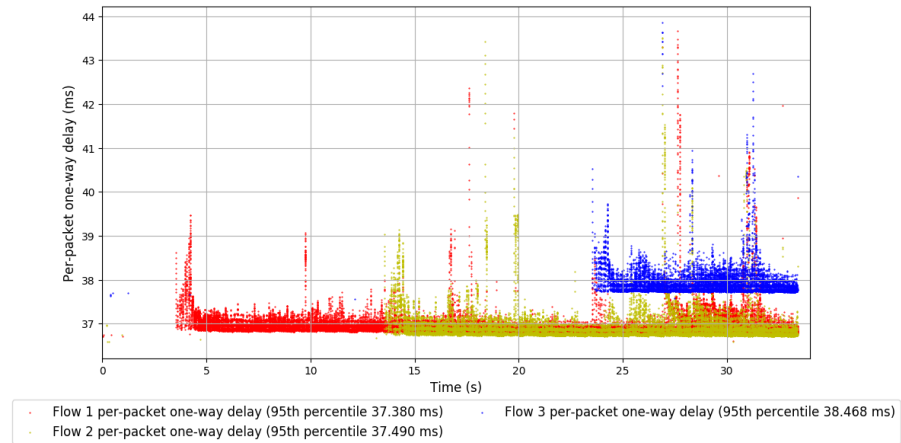
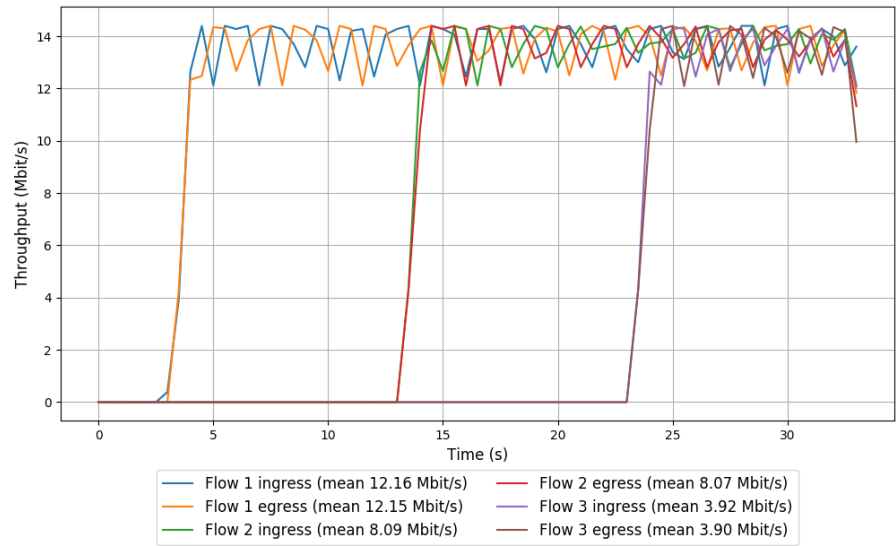
-- Flow 3:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 38.468 ms

Loss rate: 0.92%

# Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 00:38:56 +0000

End at: Wed, 05 Jul 2017 00:39:26 +0000

Local clock offset: 0.27 ms

Remote clock offset: -1.892 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: 37.415 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 37.580 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 37.291 ms

Loss rate: 0.64%

-- Flow 3:

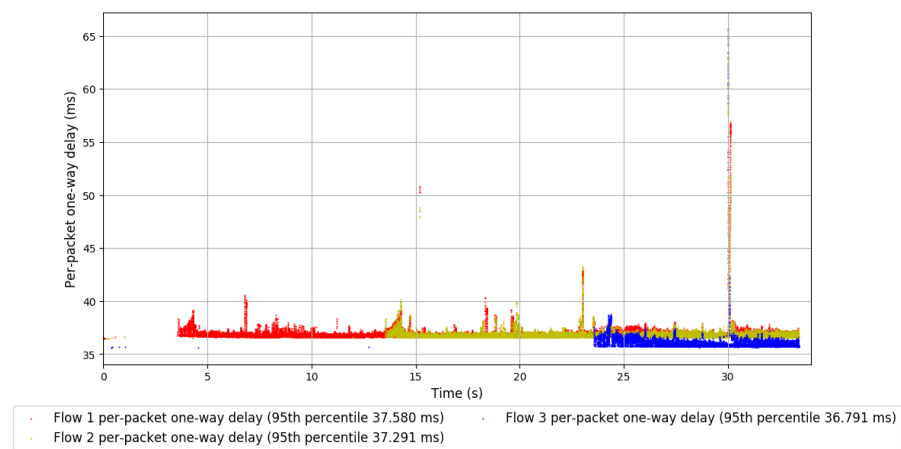
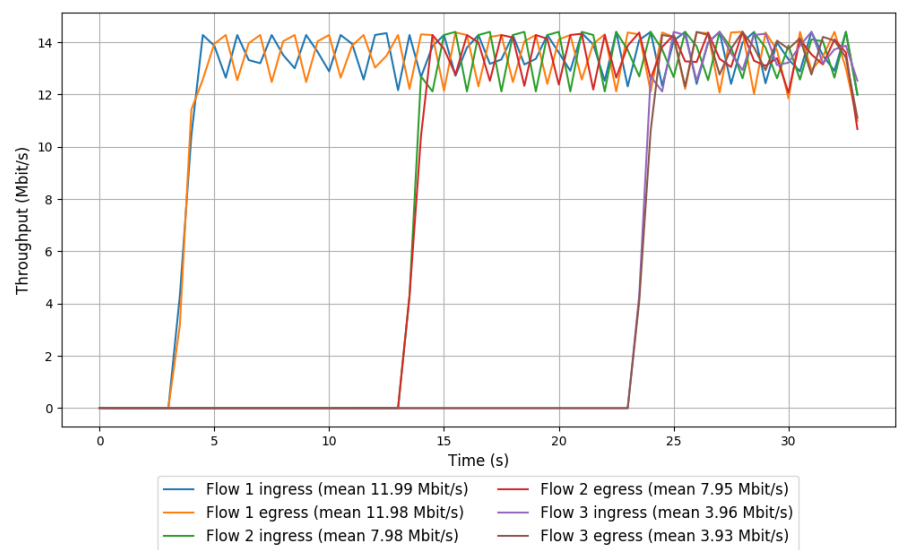
Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 36.791 ms

Loss rate: 0.92%



Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 00:59:33 +0000

End at: Wed, 05 Jul 2017 01:00:03 +0000

Local clock offset: 0.367 ms

Remote clock offset: -2.876 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.82 Mbit/s

95th percentile per-packet one-way delay: 36.336 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 11.99 Mbit/s

95th percentile per-packet one-way delay: 36.414 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 36.266 ms

Loss rate: 0.42%

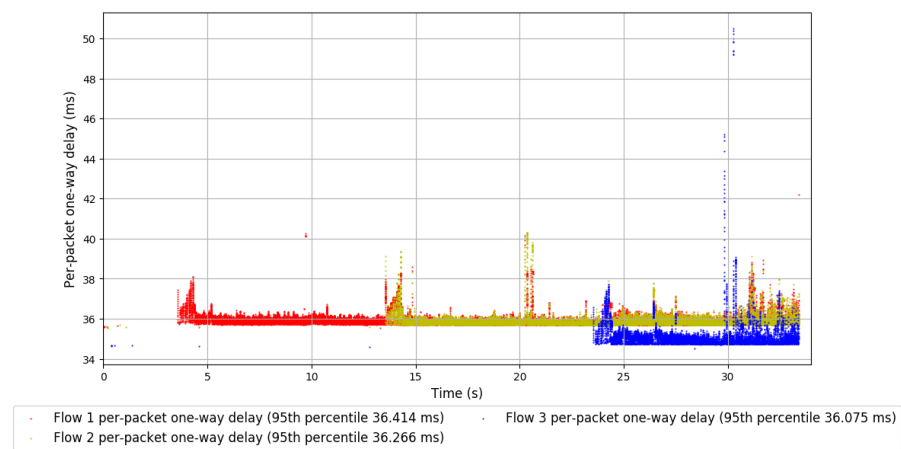
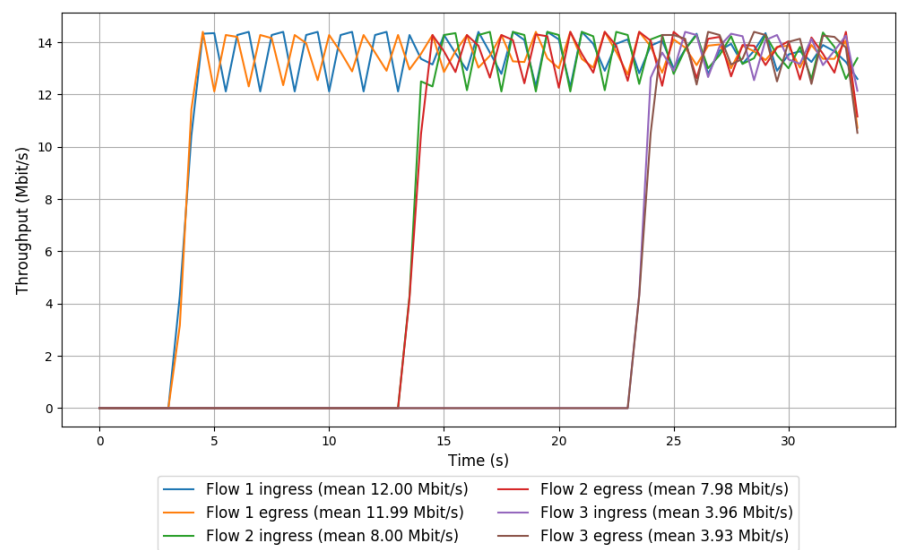
-- Flow 3:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 36.075 ms

Loss rate: 0.92%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 01:20:03 +0000

End at: Wed, 05 Jul 2017 01:20:33 +0000

Local clock offset: 0.445 ms

Remote clock offset: -3.194 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 23.77 Mbit/s

95th percentile per-packet one-way delay: 36.623 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 36.648 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 36.737 ms

Loss rate: 0.71%

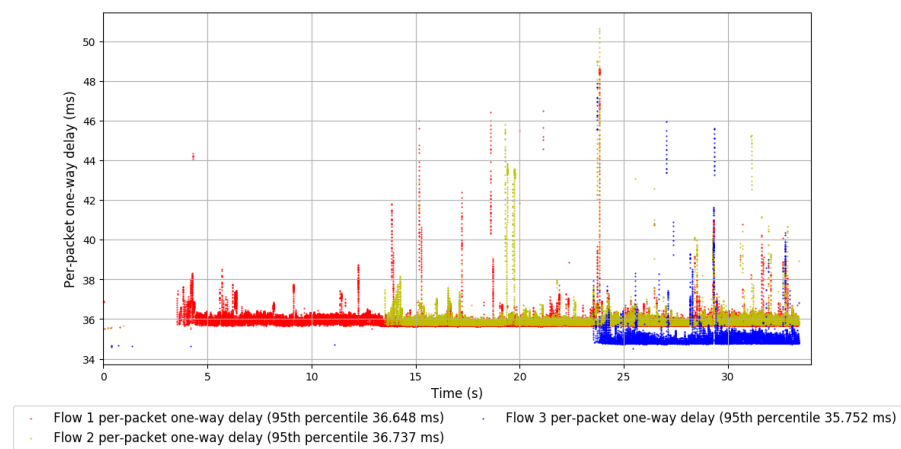
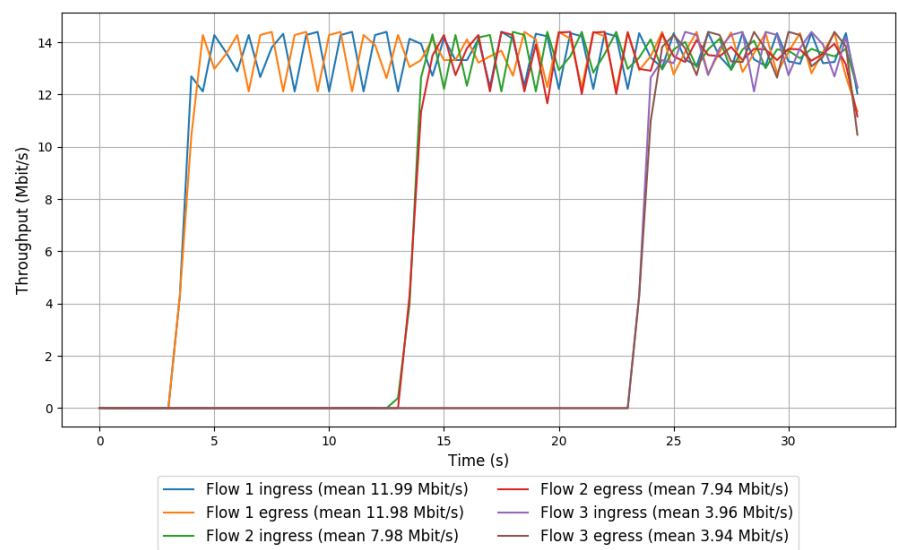
-- Flow 3:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 35.752 ms

Loss rate: 0.91%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:17:44 +0000

End at: Tue, 04 Jul 2017 22:18:14 +0000

Local clock offset: 0.016 ms

Remote clock offset: -4.101 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 36.23 Mbit/s

95th percentile per-packet one-way delay: 57.841 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 15.85 Mbit/s

95th percentile per-packet one-way delay: 56.481 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 16.47 Mbit/s

95th percentile per-packet one-way delay: 61.003 ms

Loss rate: 0.18%

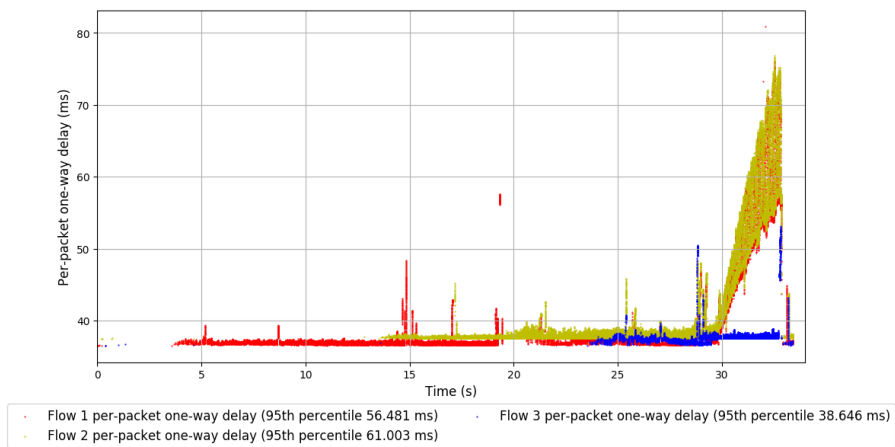
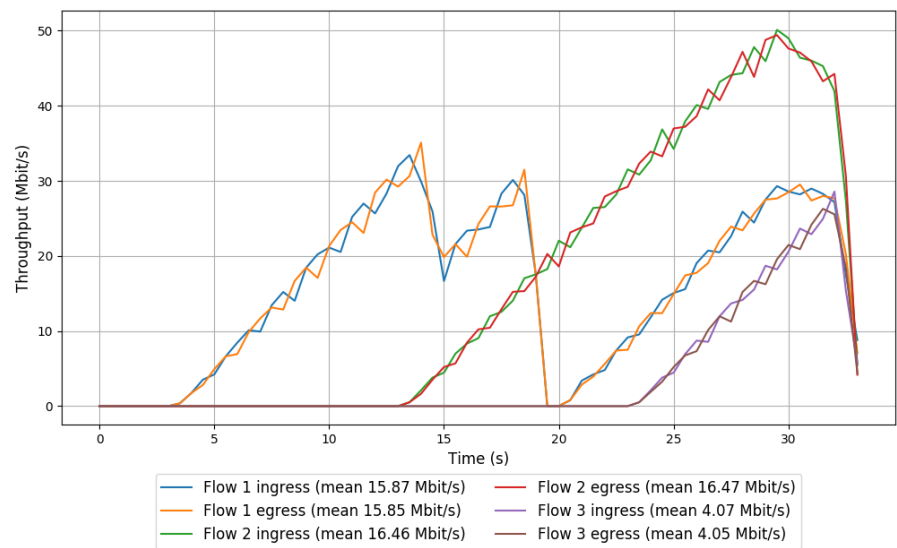
-- Flow 3:

Average throughput: 4.05 Mbit/s

95th percentile per-packet one-way delay: 38.646 ms

Loss rate: 0.70%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:38:21 +0000

End at: Tue, 04 Jul 2017 22:38:51 +0000

Local clock offset: 0.079 ms

Remote clock offset: -1.23 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 43.59 Mbit/s

95th percentile per-packet one-way delay: 39.200 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 22.44 Mbit/s

95th percentile per-packet one-way delay: 38.650 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 16.83 Mbit/s

95th percentile per-packet one-way delay: 39.262 ms

Loss rate: 0.55%

-- Flow 3:

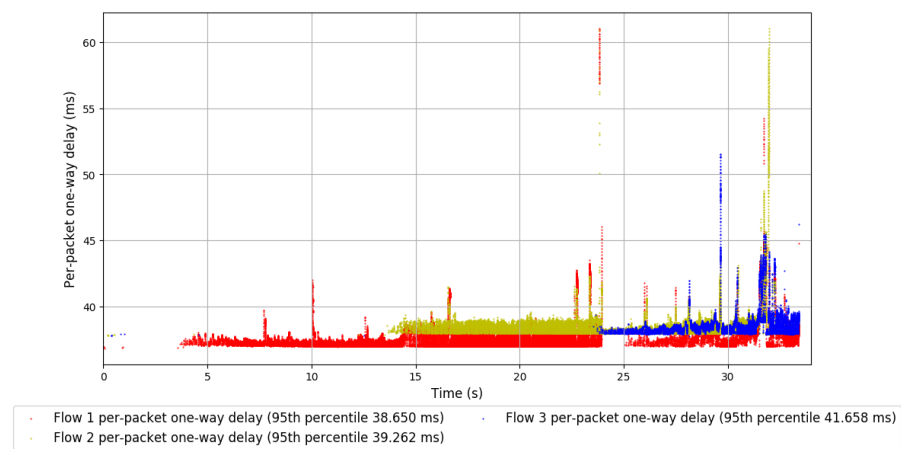
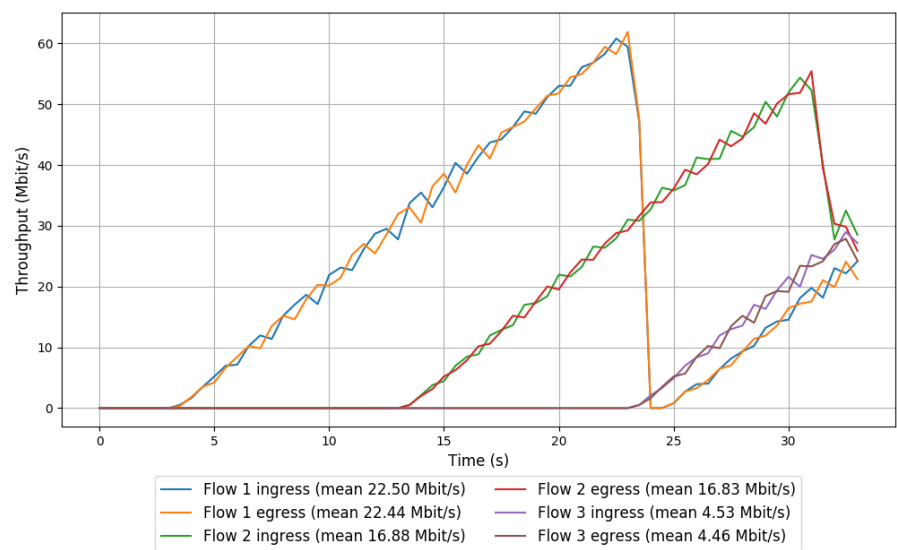
Average throughput: 4.46 Mbit/s

95th percentile per-packet one-way delay: 41.658 ms

Loss rate: 1.78%



Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:58:56 +0000

End at: Tue, 04 Jul 2017 22:59:26 +0000

Local clock offset: 0.081 ms

Remote clock offset: -3.307 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 44.12 Mbit/s

95th percentile per-packet one-way delay: 71.123 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 23.94 Mbit/s

95th percentile per-packet one-way delay: 69.962 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 74.369 ms

Loss rate: 0.73%

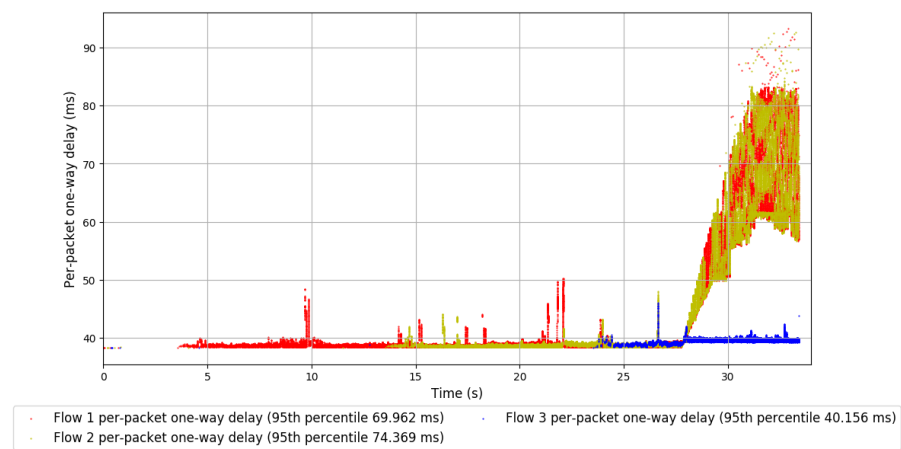
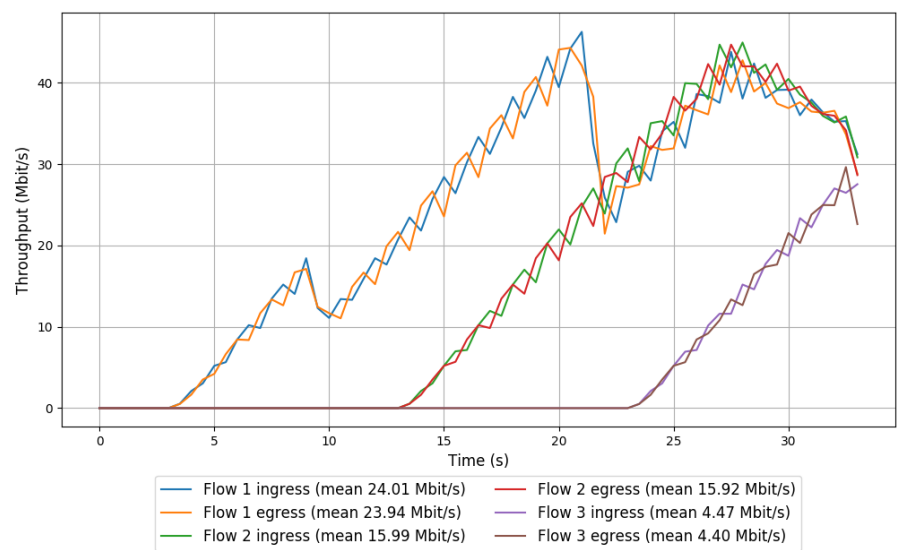
-- Flow 3:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 40.156 ms

Loss rate: 1.79%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:19:37 +0000

End at: Tue, 04 Jul 2017 23:20:07 +0000

Local clock offset: -0.062 ms

Remote clock offset: -0.161 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 36.52 Mbit/s

95th percentile per-packet one-way delay: 39.891 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 23.02 Mbit/s

95th percentile per-packet one-way delay: 39.718 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 9.15 Mbit/s

95th percentile per-packet one-way delay: 39.876 ms

Loss rate: 0.71%

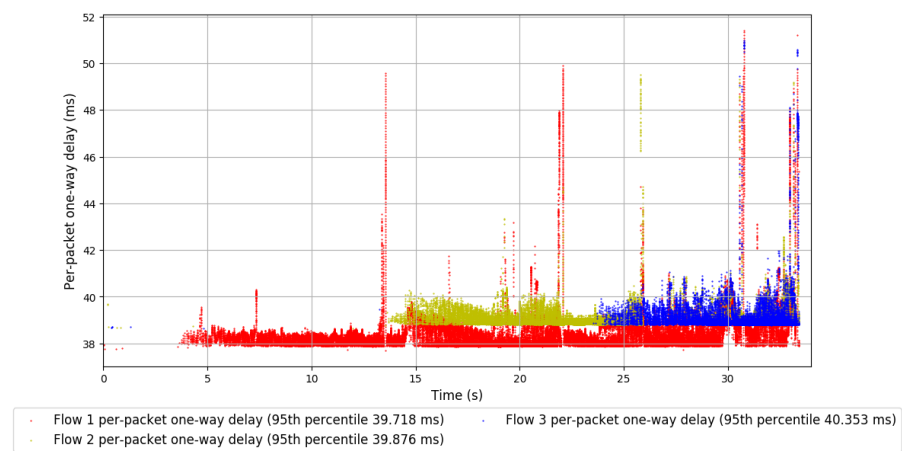
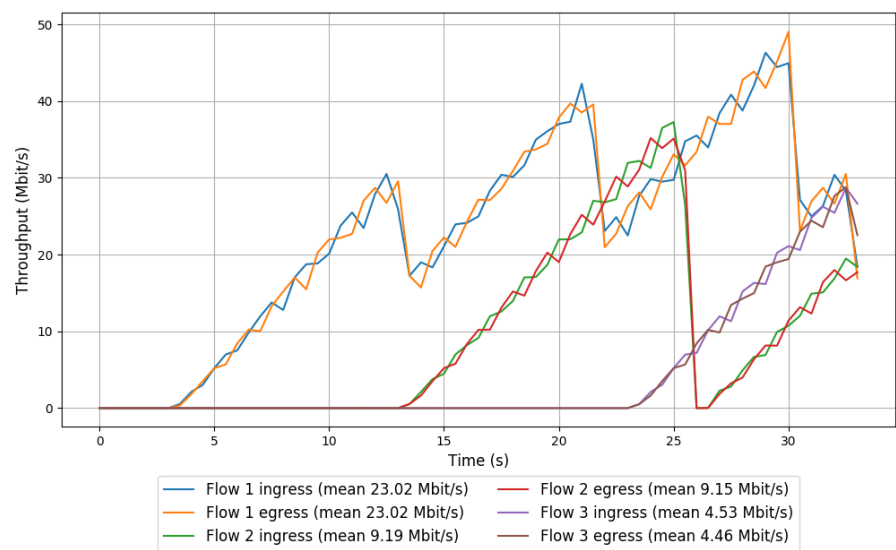
-- Flow 3:

Average throughput: 4.46 Mbit/s

95th percentile per-packet one-way delay: 40.353 ms

Loss rate: 1.80%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:40:11 +0000

End at: Tue, 04 Jul 2017 23:40:41 +0000

Local clock offset: -0.153 ms

Remote clock offset: -2.523 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:48 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 30.33 Mbit/s

95th percentile per-packet one-way delay: 40.655 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 18.49 Mbit/s

95th percentile per-packet one-way delay: 40.251 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 8.29 Mbit/s

95th percentile per-packet one-way delay: 42.009 ms

Loss rate: 0.40%

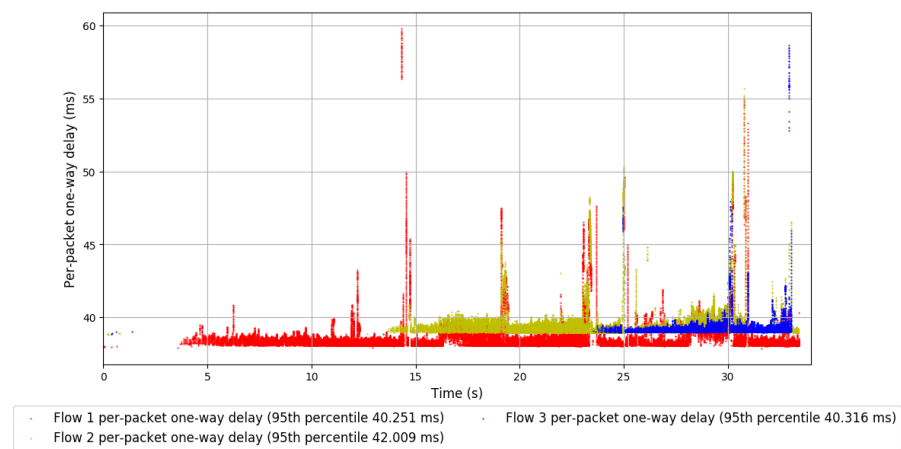
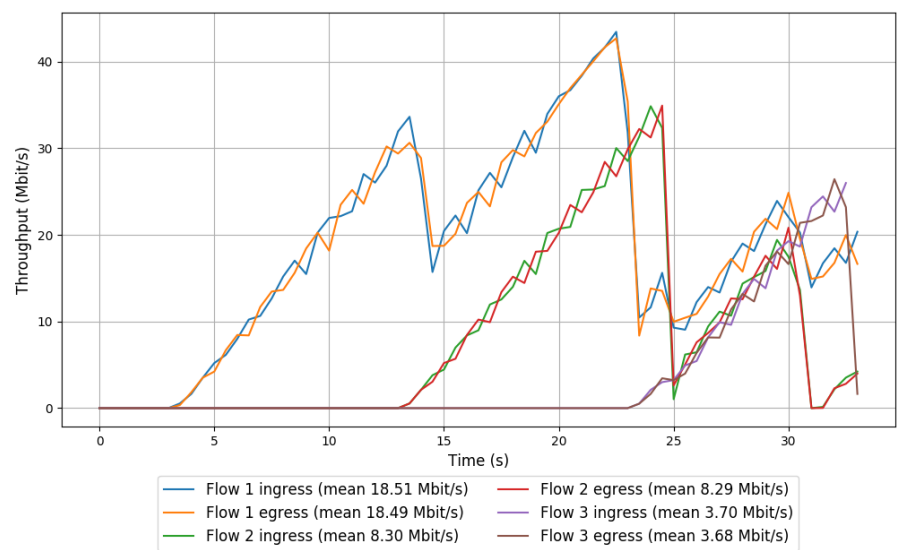
-- Flow 3:

Average throughput: 3.68 Mbit/s

95th percentile per-packet one-way delay: 40.316 ms

Loss rate: 0.51%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 00:00:36 +0000

End at: Wed, 05 Jul 2017 00:01:06 +0000

Local clock offset: 0.069 ms

Remote clock offset: -2.993 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 36.20 Mbit/s

95th percentile per-packet one-way delay: 39.344 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 26.33 Mbit/s

95th percentile per-packet one-way delay: 39.143 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 6.47 Mbit/s

95th percentile per-packet one-way delay: 40.030 ms

Loss rate: 0.19%

-- Flow 3:

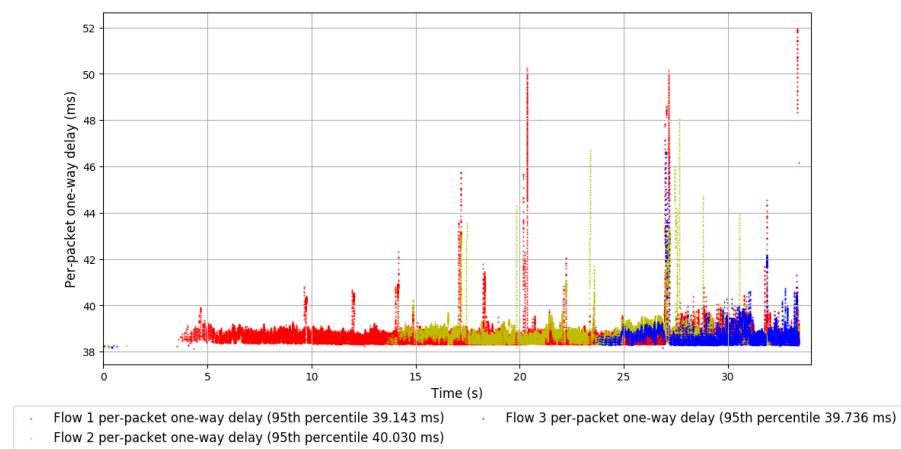
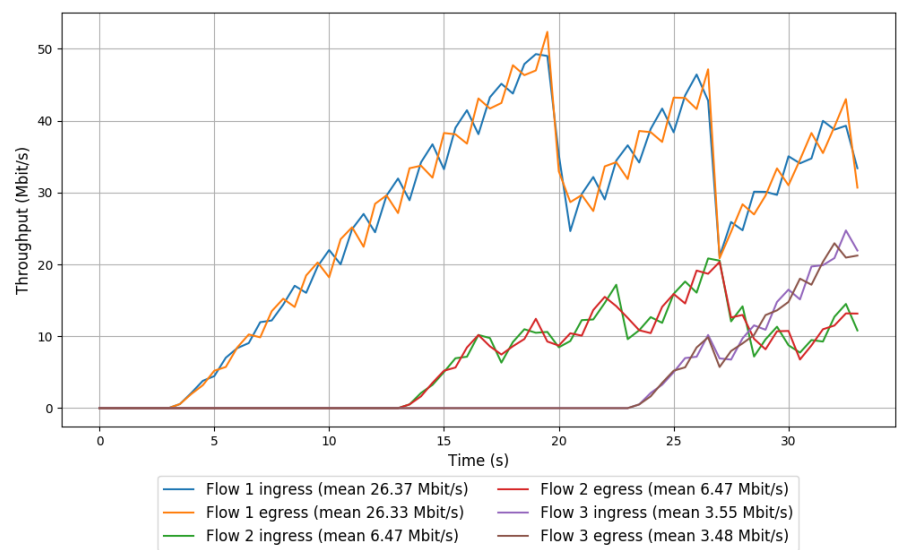
Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 39.736 ms

Loss rate: 2.05%



Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 00:21:08 +0000

End at: Wed, 05 Jul 2017 00:21:38 +0000

Local clock offset: 0.095 ms

Remote clock offset: -1.721 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.82 Mbit/s

95th percentile per-packet one-way delay: 52.372 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 24.64 Mbit/s

95th percentile per-packet one-way delay: 52.696 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 13.81 Mbit/s

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

Loss rate: 0.95%

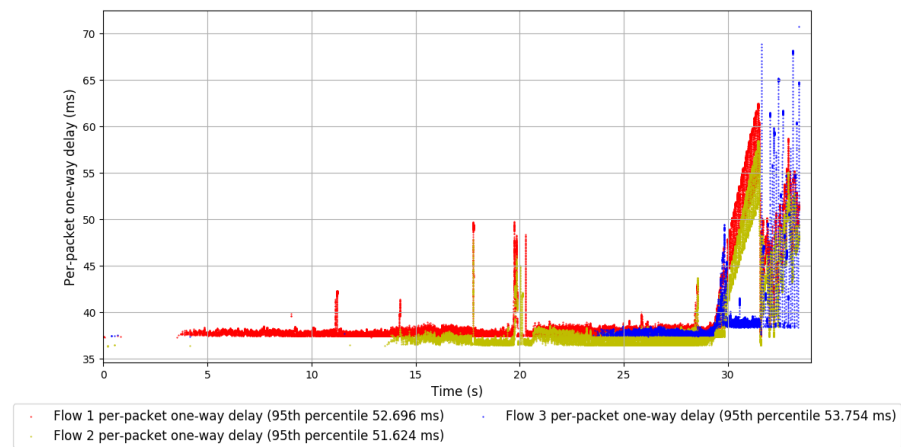
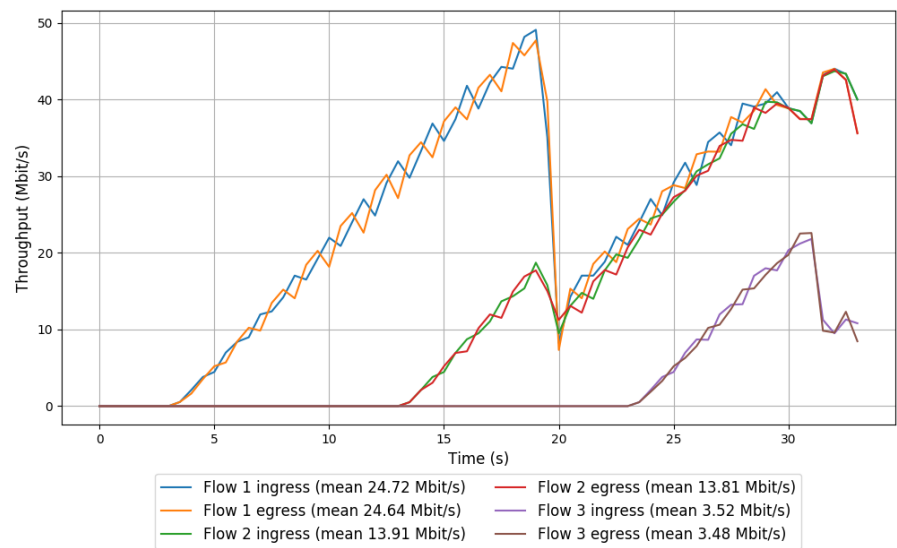
-- Flow 3:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 53.754 ms

Loss rate: 1.19%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 00:41:44 +0000

End at: Wed, 05 Jul 2017 00:42:14 +0000

Local clock offset: 0.142 ms

Remote clock offset: -4.75 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:29:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 40.74 Mbit/s

95th percentile per-packet one-way delay: 38.028 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 29.90 Mbit/s

95th percentile per-packet one-way delay: 37.948 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 38.461 ms

Loss rate: 0.70%

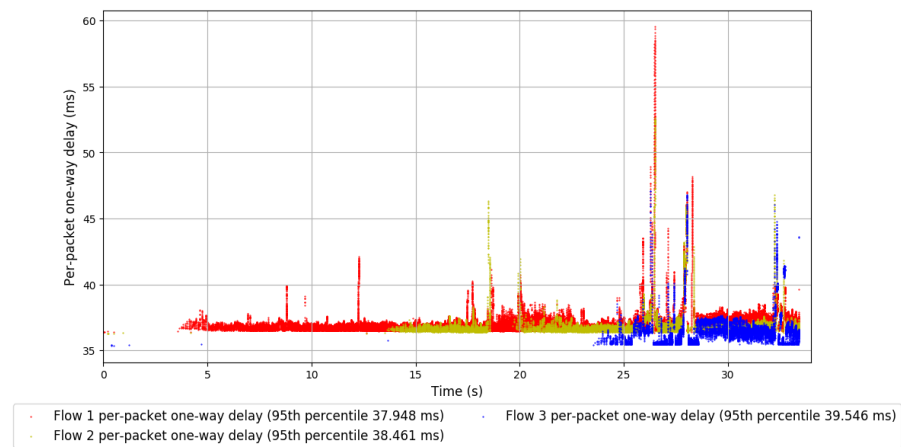
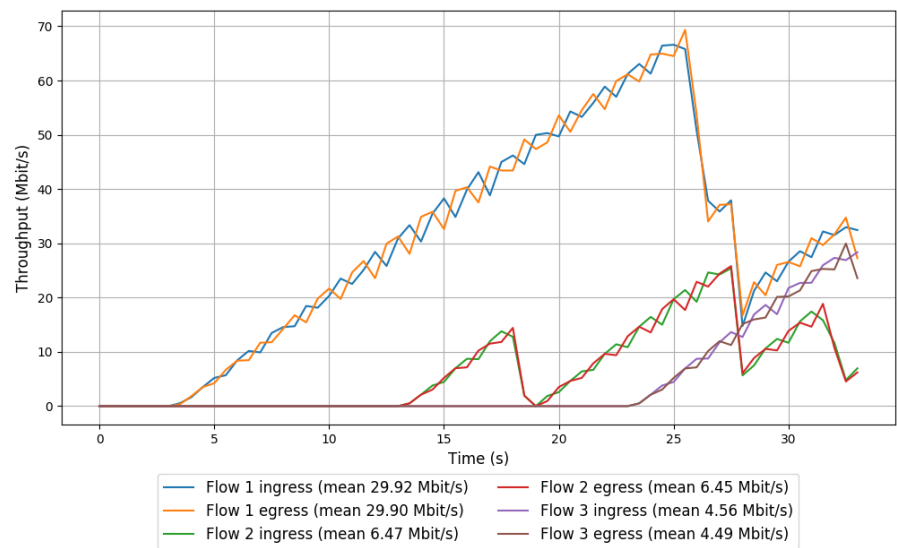
-- Flow 3:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 39.546 ms

Loss rate: 1.77%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 01:02:20 +0000

End at: Wed, 05 Jul 2017 01:02:50 +0000

Local clock offset: 0.27 ms

Remote clock offset: -3.393 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:30:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 43.37 Mbit/s

95th percentile per-packet one-way delay: 39.818 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 31.19 Mbit/s

95th percentile per-packet one-way delay: 39.660 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 38.168 ms

Loss rate: 0.51%

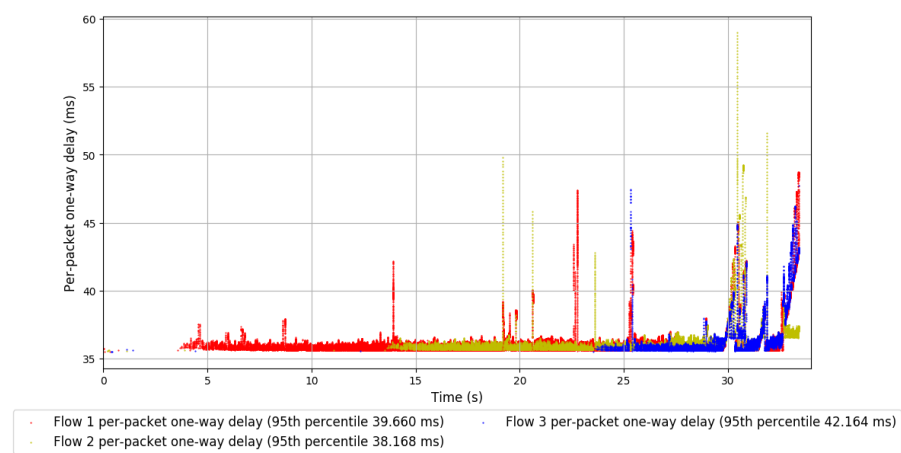
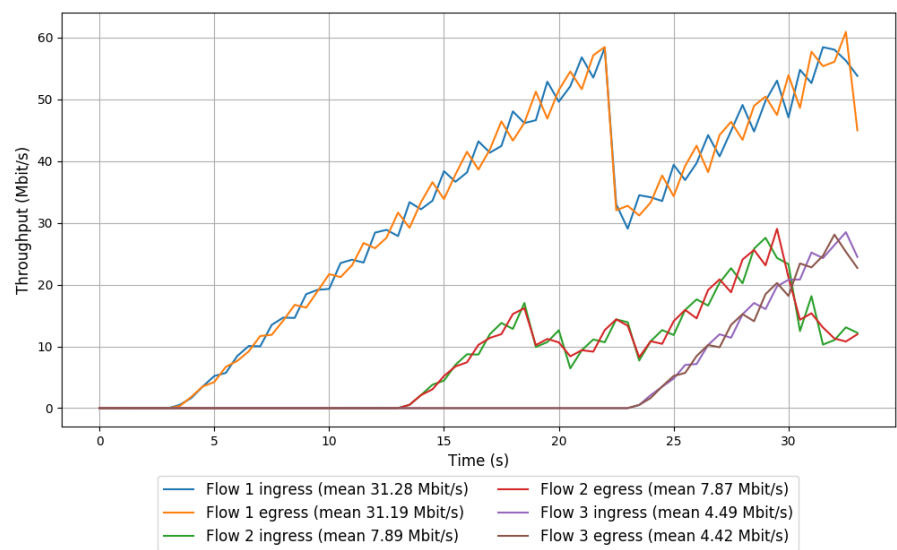
-- Flow 3:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 42.164 ms

Loss rate: 1.78%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 01:22:50 +0000

End at: Wed, 05 Jul 2017 01:23:20 +0000

Local clock offset: 0.315 ms

Remote clock offset: -3.122 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:30:06 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 46.19 Mbit/s

95th percentile per-packet one-way delay: 59.463 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 27.81 Mbit/s

95th percentile per-packet one-way delay: 63.011 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 15.02 Mbit/s

95th percentile per-packet one-way delay: 46.635 ms

Loss rate: 0.65%

-- Flow 3:

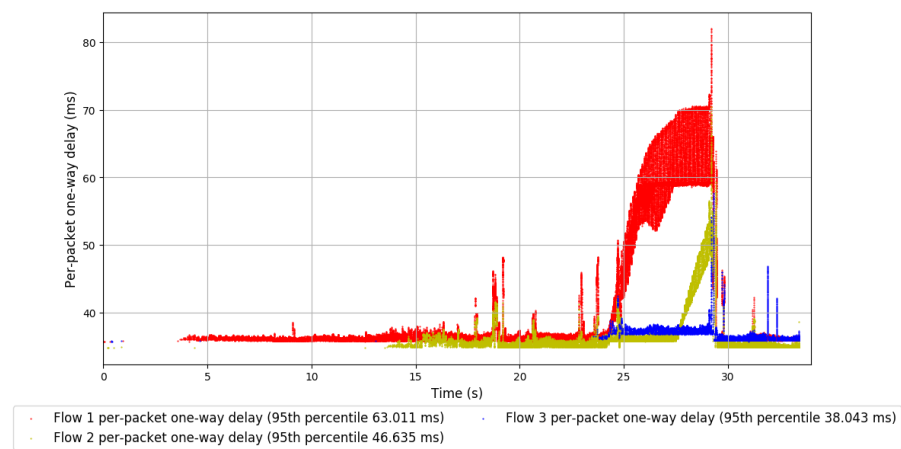
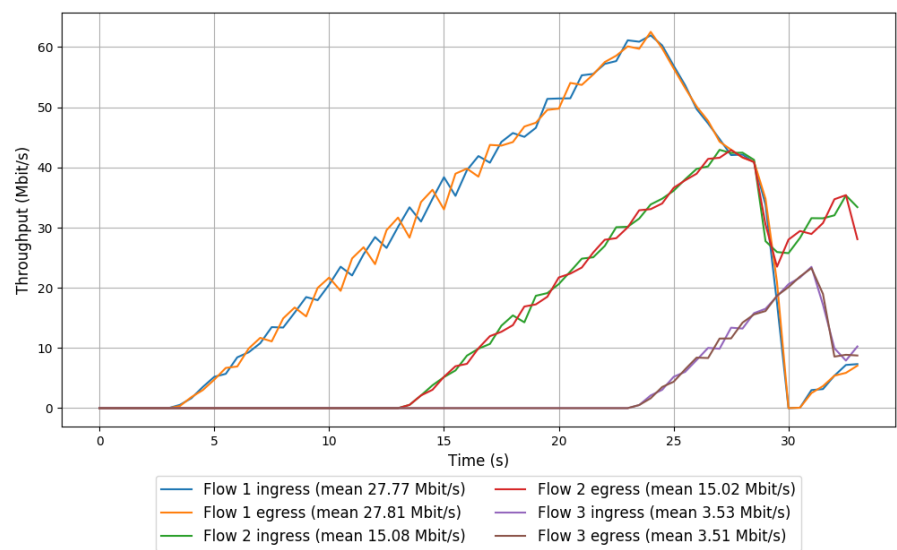
Average throughput: 3.51 Mbit/s

95th percentile per-packet one-way delay: 38.043 ms

Loss rate: 0.83%



Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:10:50 +0000

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

Local clock offset: 0.063 ms

Remote clock offset: -1.851 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:30:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.40 Mbit/s

95th percentile per-packet one-way delay: 69.437 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 48.77 Mbit/s

95th percentile per-packet one-way delay: 69.513 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 25.75 Mbit/s

95th percentile per-packet one-way delay: 56.610 ms

Loss rate: 0.58%

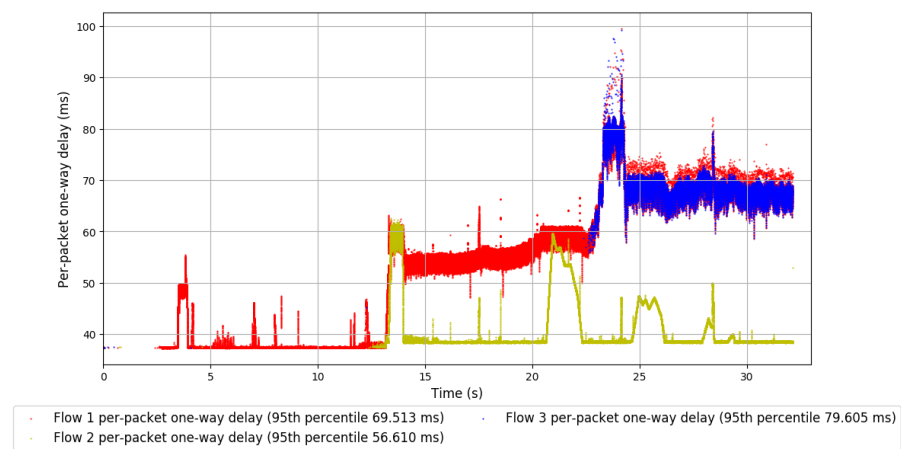
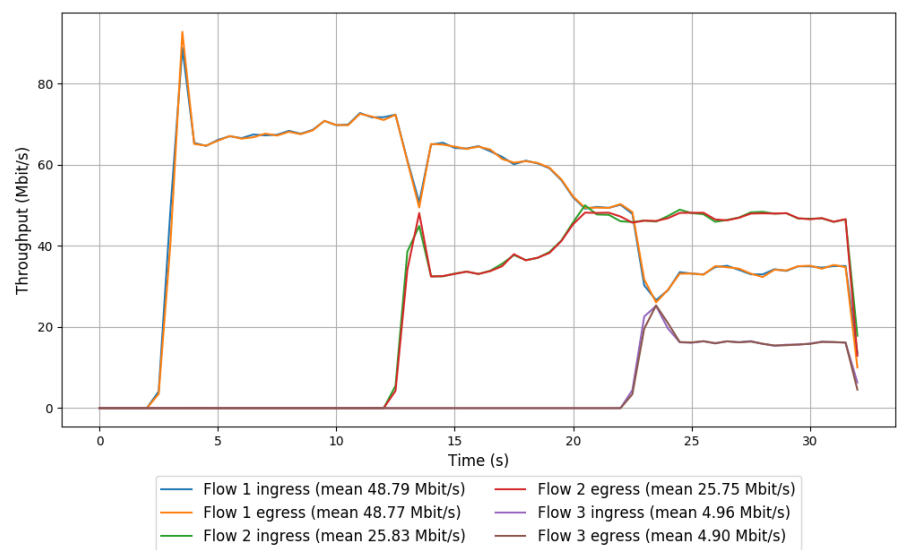
-- Flow 3:

Average throughput: 4.90 Mbit/s

95th percentile per-packet one-way delay: 79.605 ms

Loss rate: 1.36%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:31:25 +0000

End at: Tue, 04 Jul 2017 22:31:55 +0000

Local clock offset: 0.119 ms

Remote clock offset: -3.475 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:30:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.34 Mbit/s

95th percentile per-packet one-way delay: 57.026 ms

Loss rate: 4.26%

-- Flow 1:

Average throughput: 68.75 Mbit/s

95th percentile per-packet one-way delay: 56.584 ms

Loss rate: 3.06%

-- Flow 2:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 43.322 ms

Loss rate: 1.63%

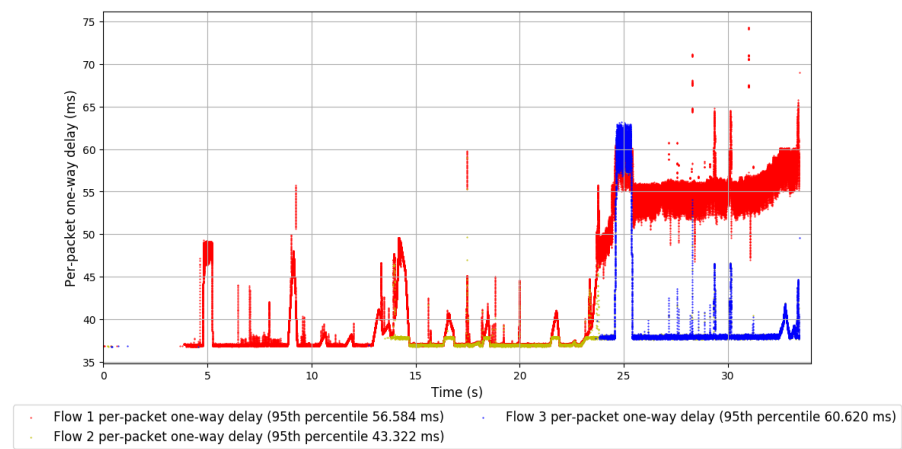
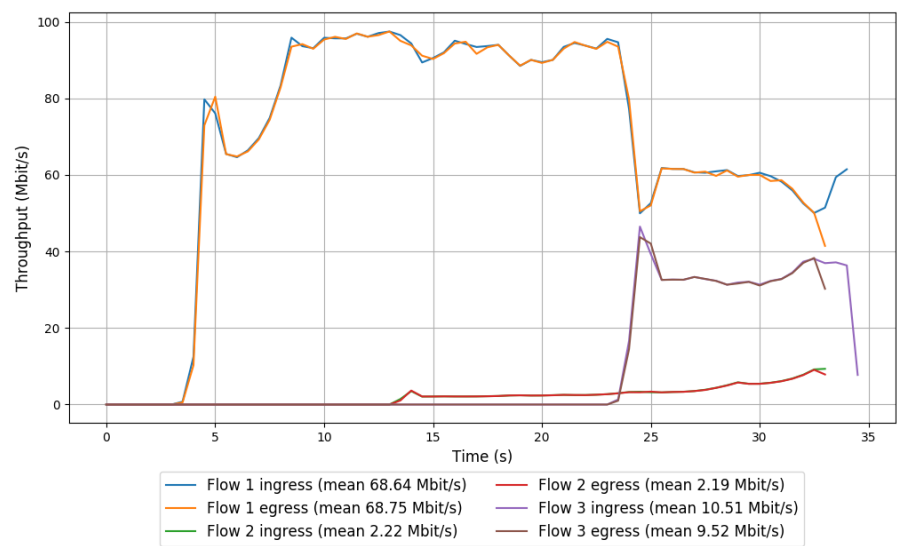
-- Flow 3:

Average throughput: 9.52 Mbit/s

95th percentile per-packet one-way delay: 60.620 ms

Loss rate: 12.69%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:52:01 +0000

End at: Tue, 04 Jul 2017 22:52:31 +0000

Local clock offset: 0.047 ms

Remote clock offset: -0.58 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:30:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.93 Mbit/s

95th percentile per-packet one-way delay: 70.261 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 51.33 Mbit/s

95th percentile per-packet one-way delay: 60.816 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 22.93 Mbit/s

95th percentile per-packet one-way delay: 72.177 ms

Loss rate: 0.54%

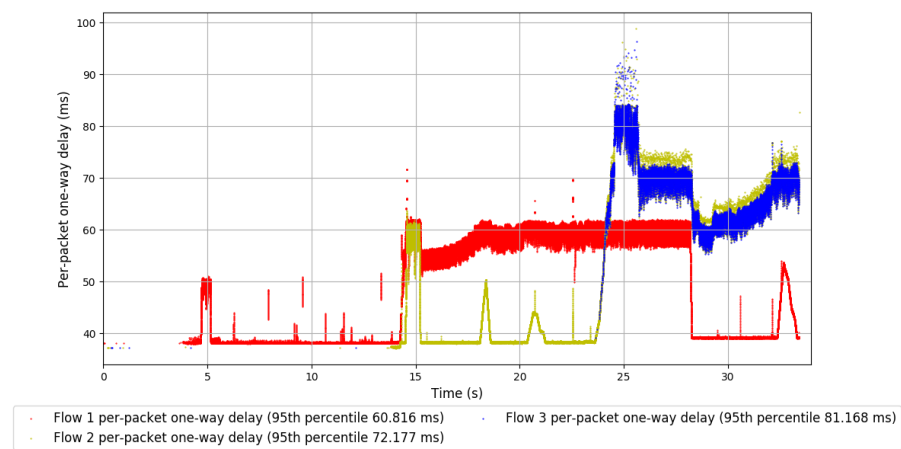
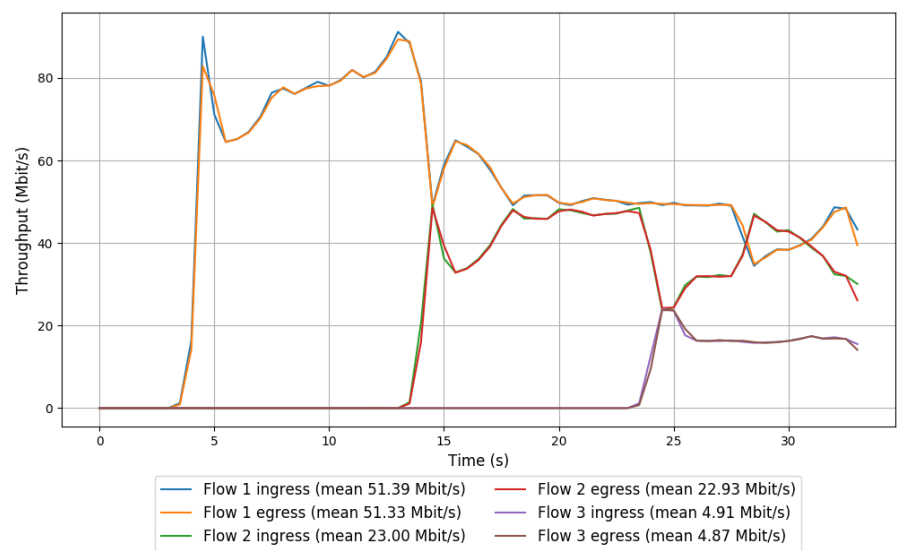
-- Flow 3:

Average throughput: 4.87 Mbit/s

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

Loss rate: 1.18%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:12:43 +0000

End at: Tue, 04 Jul 2017 23:13:13 +0000

Local clock offset: -0.159 ms

Remote clock offset: -0.811 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:30:31 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.10 Mbit/s

95th percentile per-packet one-way delay: 71.231 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 54.48 Mbit/s

95th percentile per-packet one-way delay: 60.626 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 22.02 Mbit/s

95th percentile per-packet one-way delay: 72.998 ms

Loss rate: 0.56%

-- Flow 3:

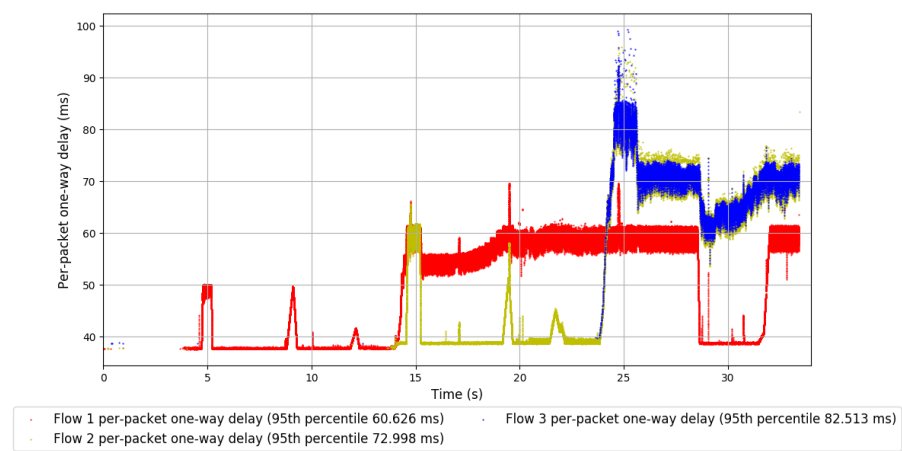
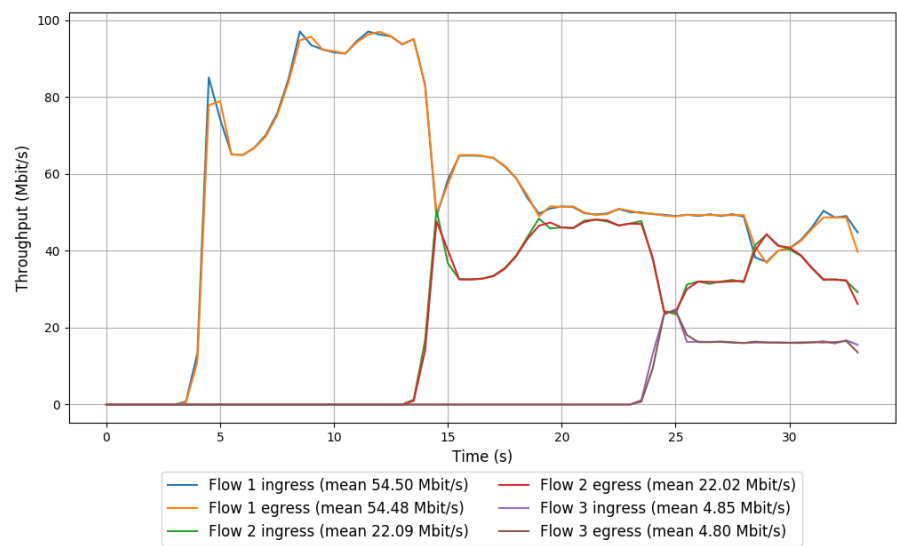
Average throughput: 4.80 Mbit/s

95th percentile per-packet one-way delay: 82.513 ms

Loss rate: 1.37%



Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:33:18 +0000

End at: Tue, 04 Jul 2017 23:33:48 +0000

Local clock offset: -0.099 ms

Remote clock offset: -0.302 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:30:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.31 Mbit/s

95th percentile per-packet one-way delay: 73.306 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 53.82 Mbit/s

95th percentile per-packet one-way delay: 62.150 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 21.68 Mbit/s

95th percentile per-packet one-way delay: 76.027 ms

Loss rate: 0.72%

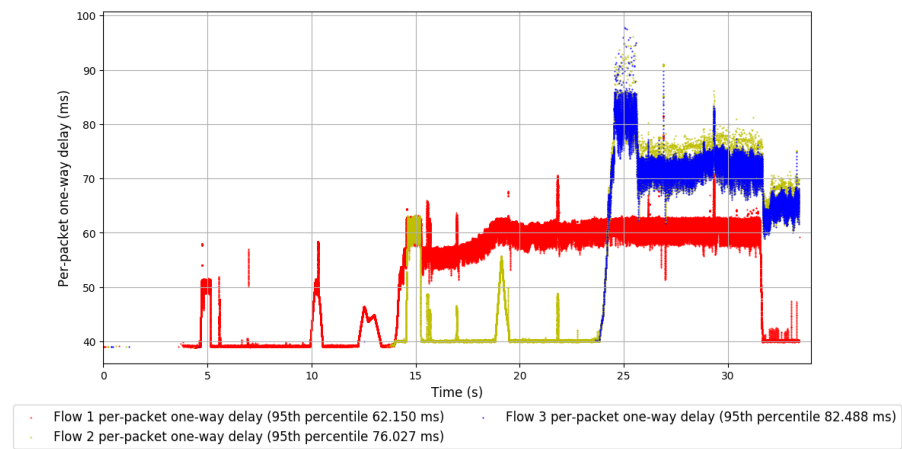
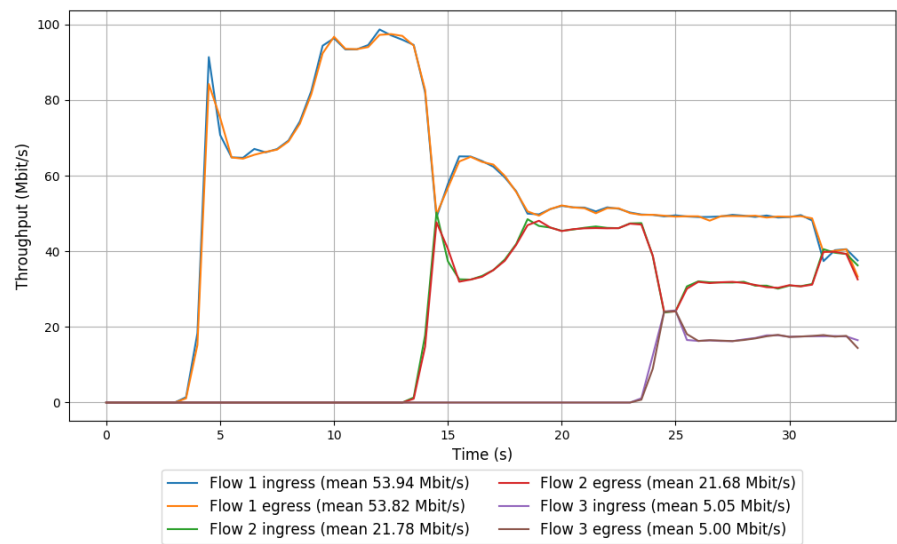
-- Flow 3:

Average throughput: 5.00 Mbit/s

95th percentile per-packet one-way delay: 82.488 ms

Loss rate: 1.33%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

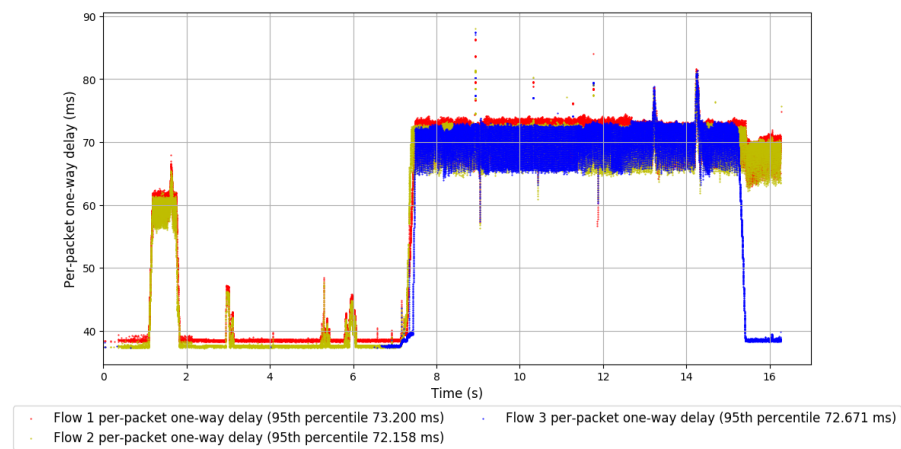
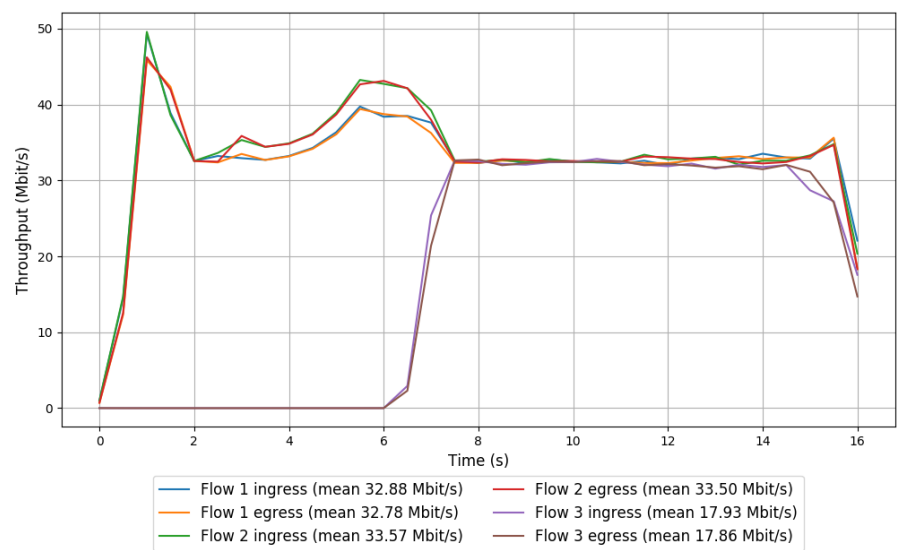
Start at: Tue, 04 Jul 2017 23:53:47 +0000

End at: Tue, 04 Jul 2017 23:54:17 +0000

Local clock offset: -0.072 ms

Remote clock offset: -0.37 ms

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Wed, 05 Jul 2017 00:14:13 +0000

End at: Wed, 05 Jul 2017 00:14:43 +0000

Local clock offset: 0.168 ms

Remote clock offset: -3.143 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:30:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.97 Mbit/s

95th percentile per-packet one-way delay: 72.437 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 51.46 Mbit/s

95th percentile per-packet one-way delay: 71.247 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 21.95 Mbit/s

95th percentile per-packet one-way delay: 72.602 ms

Loss rate: 0.54%

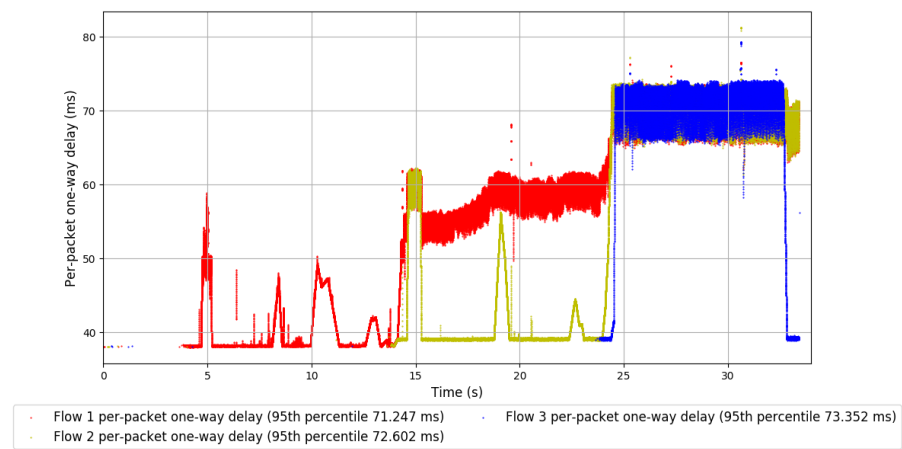
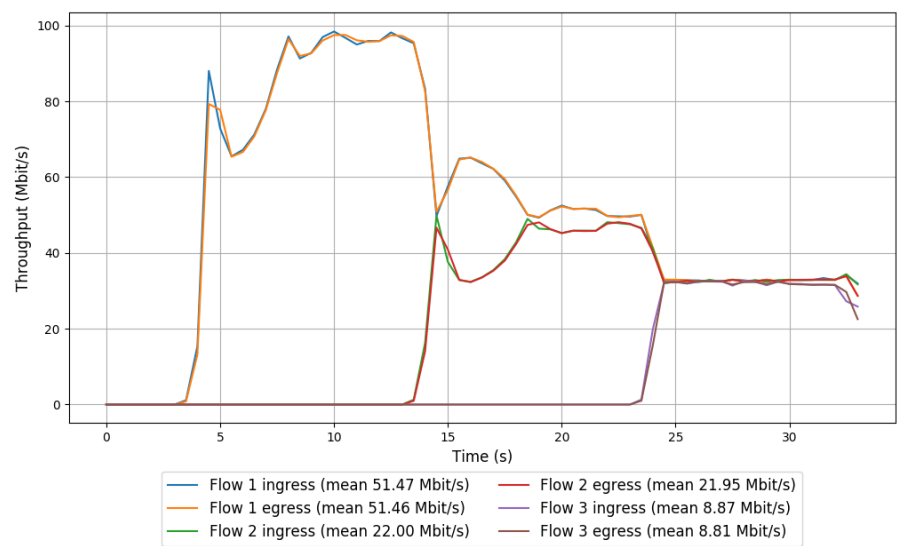
-- Flow 3:

Average throughput: 8.81 Mbit/s

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

Loss rate: 0.92%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Wed, 05 Jul 2017 00:34:50 +0000

End at: Wed, 05 Jul 2017 00:35:20 +0000

Local clock offset: 0.261 ms

Remote clock offset: -4.378 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:30:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.97 Mbit/s

95th percentile per-packet one-way delay: 70.795 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 59.523 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 20.32 Mbit/s

95th percentile per-packet one-way delay: 73.890 ms

Loss rate: 0.64%

-- Flow 3:

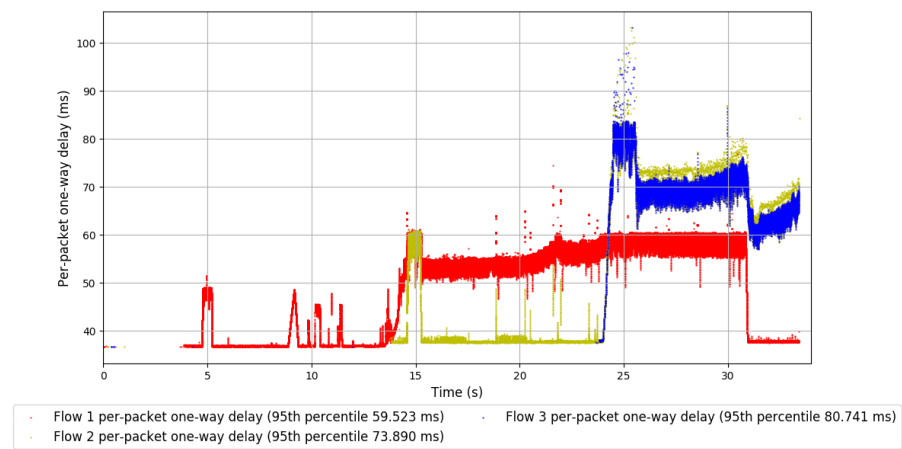
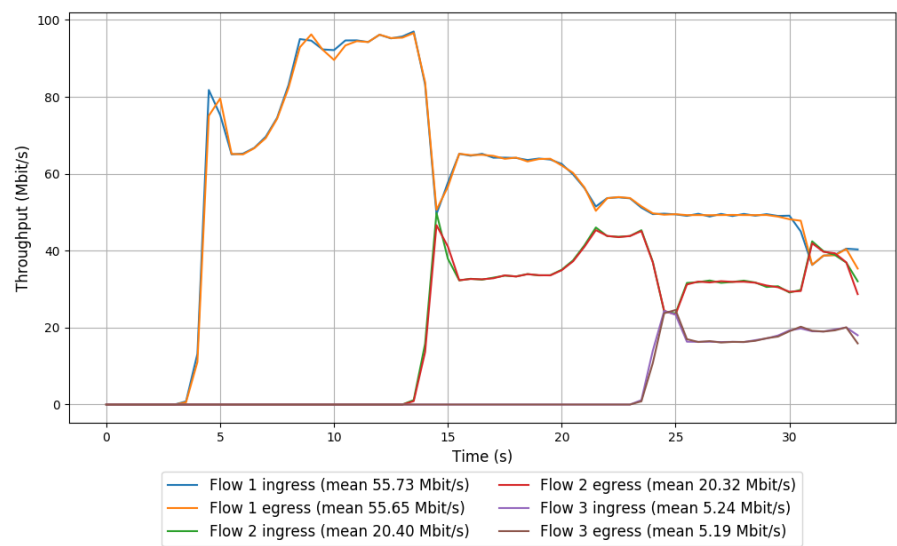
Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 80.741 ms

Loss rate: 1.33%



Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Wed, 05 Jul 2017 00:55:27 +0000

End at: Wed, 05 Jul 2017 00:55:57 +0000

Local clock offset: 0.226 ms

Remote clock offset: -5.266 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.35 Mbit/s

95th percentile per-packet one-way delay: 68.145 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 45.68 Mbit/s

95th percentile per-packet one-way delay: 68.551 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 26.08 Mbit/s

95th percentile per-packet one-way delay: 57.949 ms

Loss rate: 0.63%

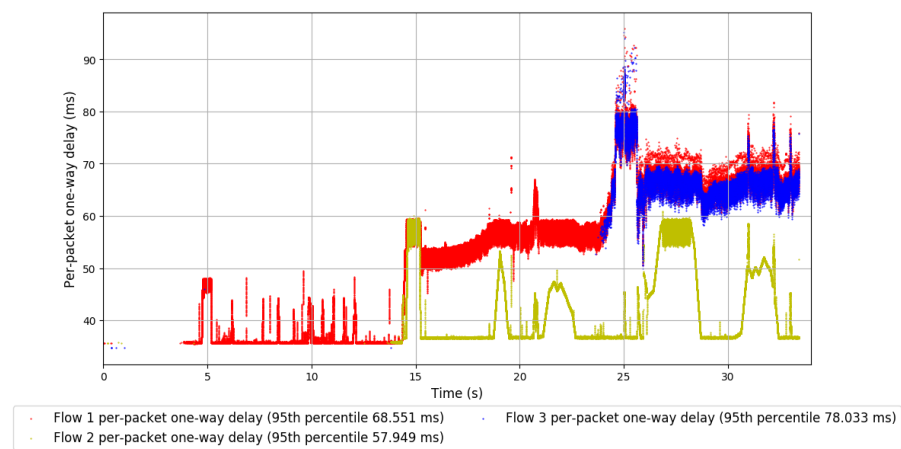
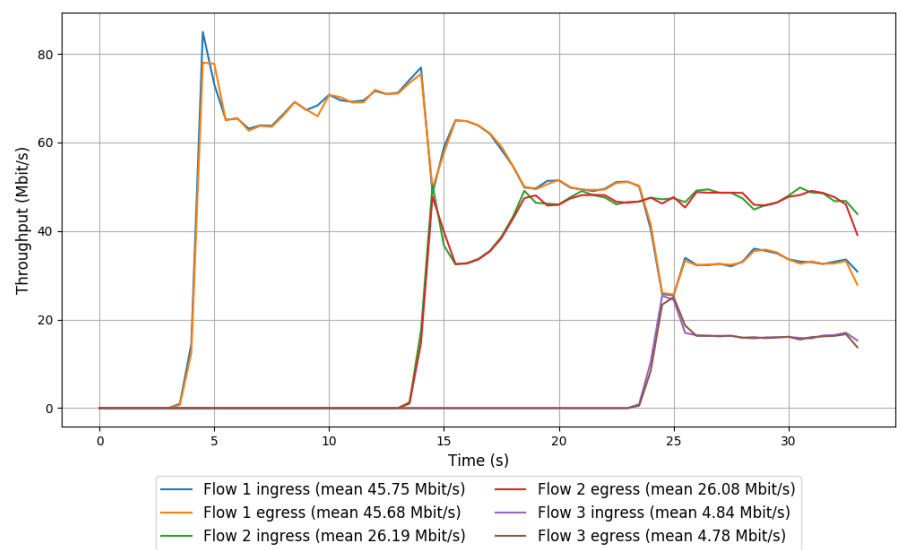
-- Flow 3:

Average throughput: 4.78 Mbit/s

95th percentile per-packet one-way delay: 78.033 ms

Loss rate: 1.39%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Wed, 05 Jul 2017 01:15:57 +0000

End at: Wed, 05 Jul 2017 01:16:27 +0000

Local clock offset: 0.402 ms

Remote clock offset: -3.123 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.46 Mbit/s

95th percentile per-packet one-way delay: 68.745 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 48.09 Mbit/s

95th percentile per-packet one-way delay: 68.764 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 44.047 ms

Loss rate: 0.65%

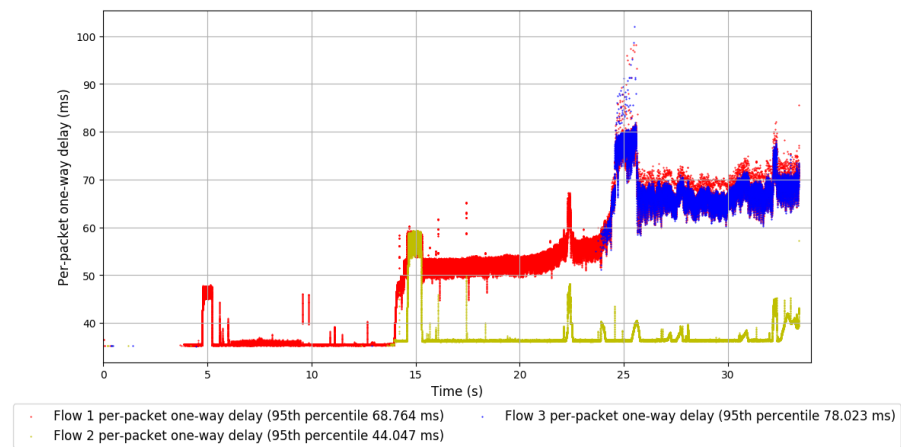
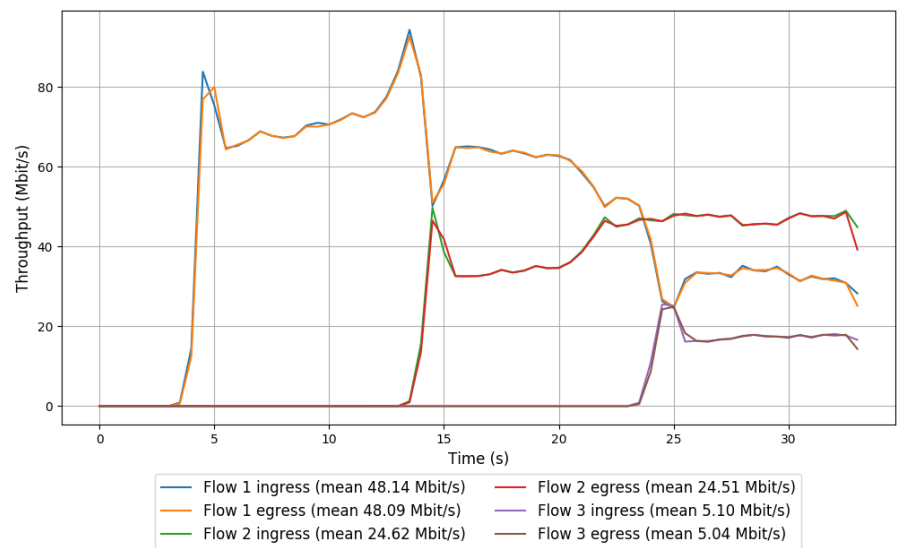
-- Flow 3:

Average throughput: 5.04 Mbit/s

95th percentile per-packet one-way delay: 78.023 ms

Loss rate: 1.45%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 22:06:42 +0000

End at: Tue, 04 Jul 2017 22:07:12 +0000

Local clock offset: 0.158 ms

Remote clock offset: -1.816 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.383 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.459 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.385 ms

Loss rate: 0.00%

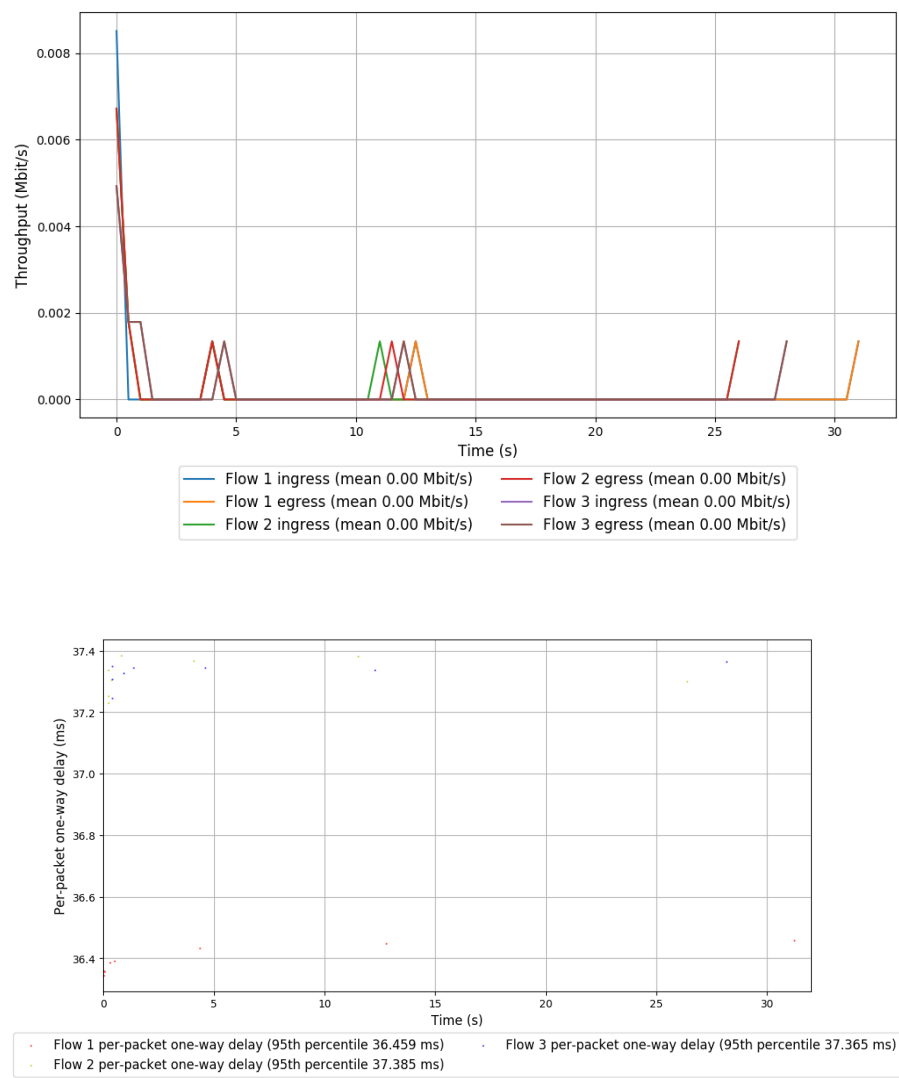
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.365 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 22:27:16 +0000

End at: Tue, 04 Jul 2017 22:27:46 +0000

Local clock offset: 0.001 ms

Remote clock offset: -1.461 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.786 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.788 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.786 ms

Loss rate: 0.00%

-- Flow 3:

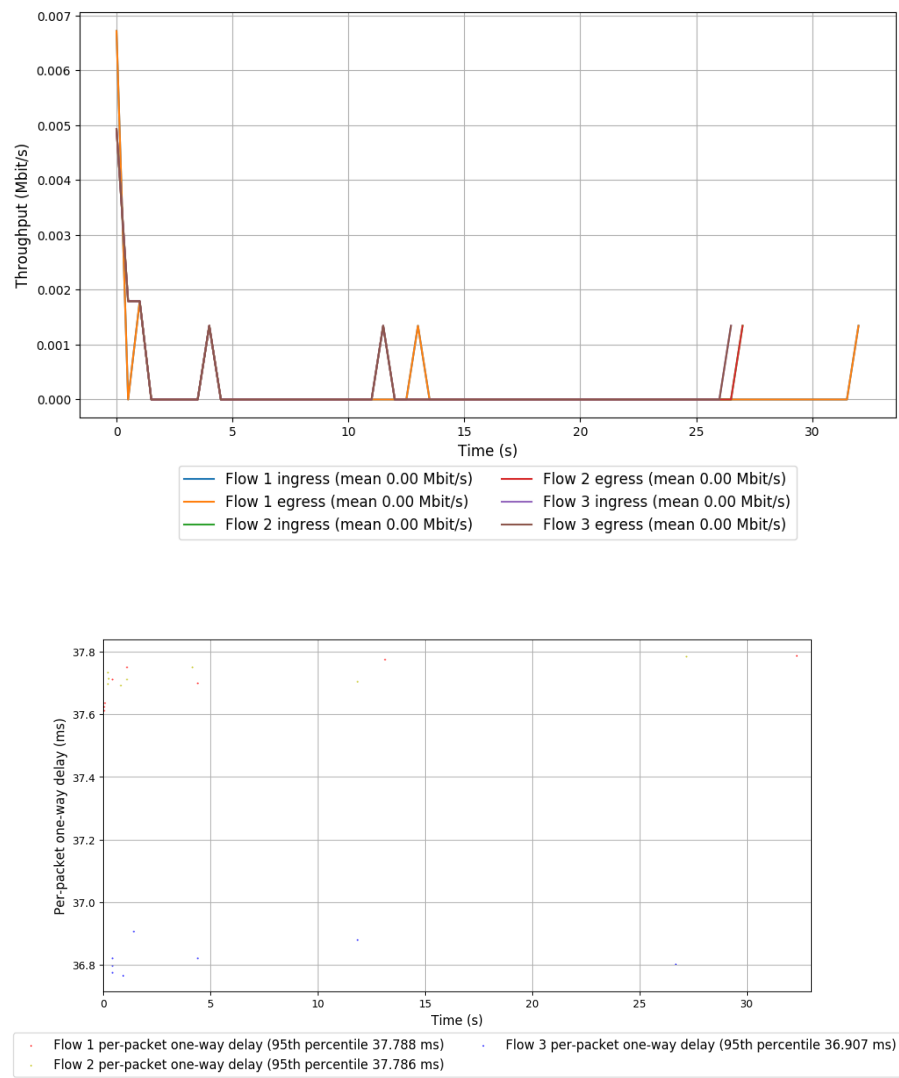
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.907 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 22:47:55 +0000

End at: Tue, 04 Jul 2017 22:48:25 +0000

Local clock offset: 0.172 ms

Remote clock offset: -0.663 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.134 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.133 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.144 ms

Loss rate: 0.00%

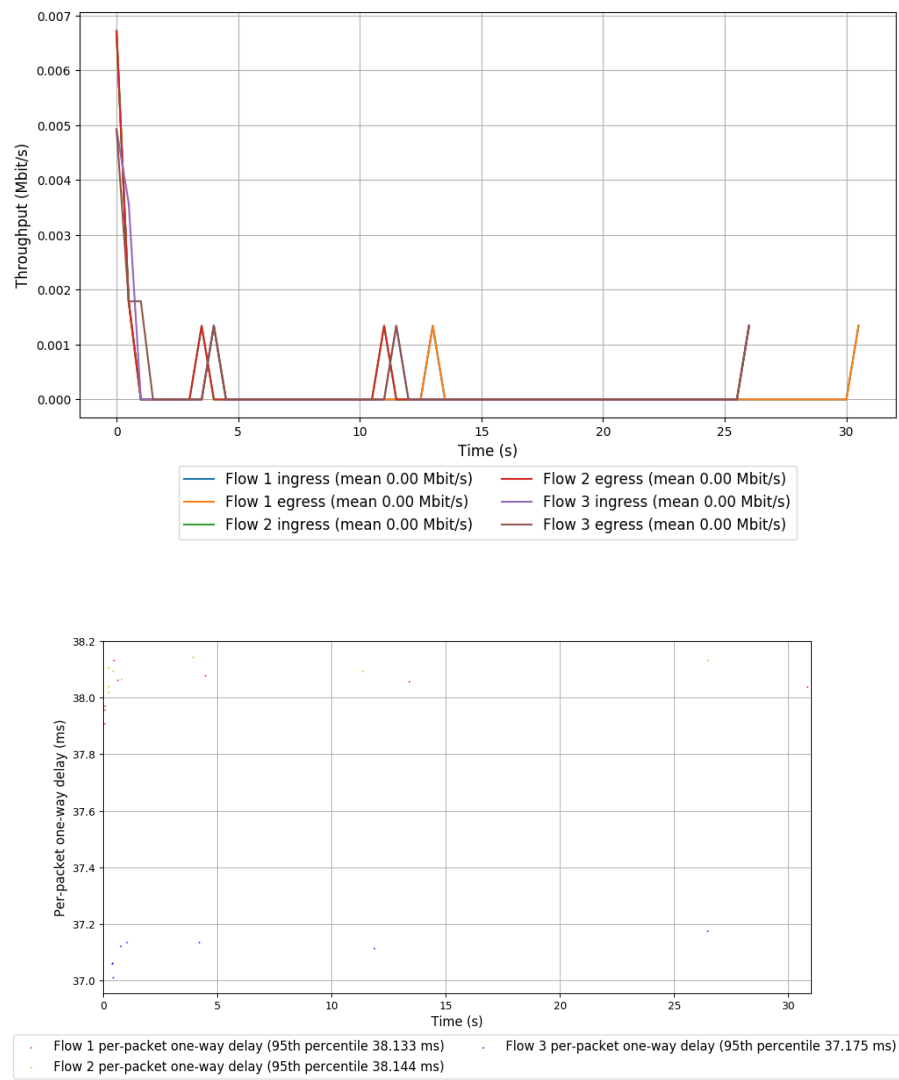
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.175 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 23:08:35 +0000

End at: Tue, 04 Jul 2017 23:09:05 +0000

Local clock offset: -0.038 ms

Remote clock offset: -0.773 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.829 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.829 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.723 ms

Loss rate: 0.00%

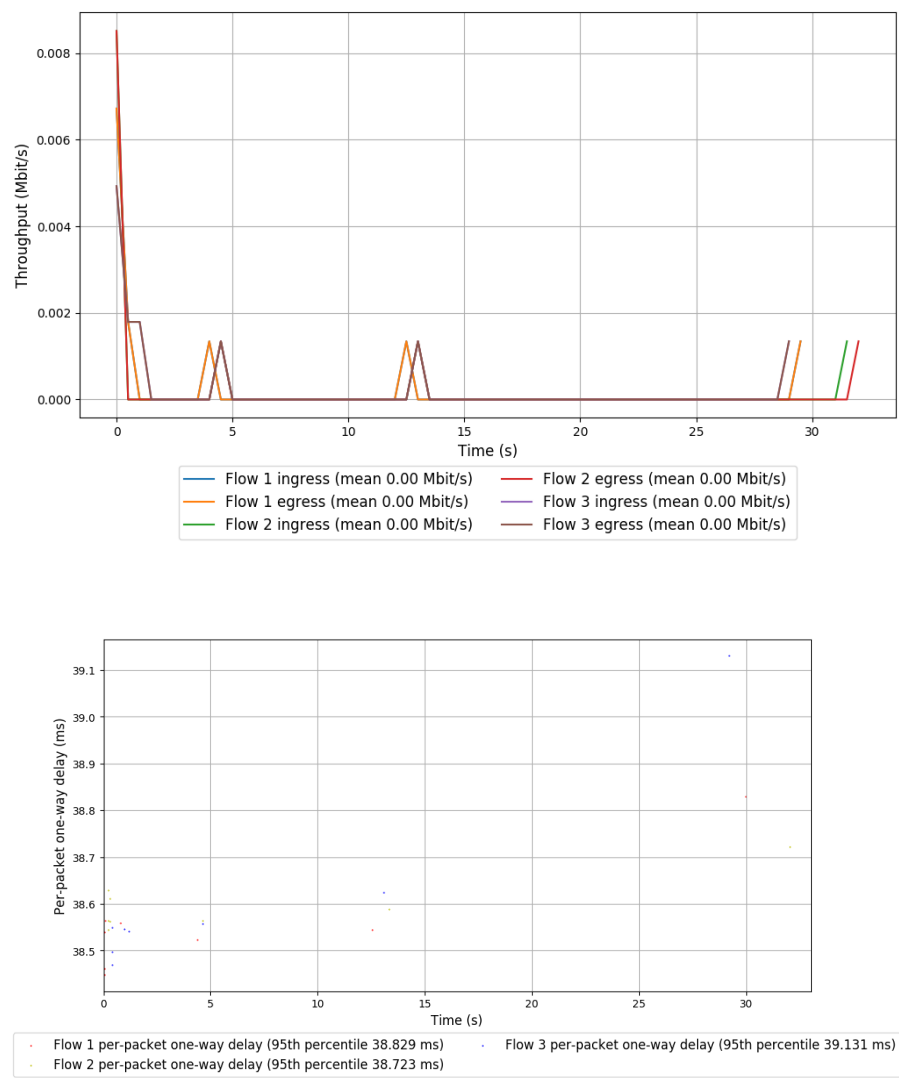
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 39.131 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 23:29:09 +0000

End at: Tue, 04 Jul 2017 23:29:39 +0000

Local clock offset: -0.082 ms

Remote clock offset: -2.439 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 39.074 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 39.101 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.096 ms

Loss rate: 0.00%

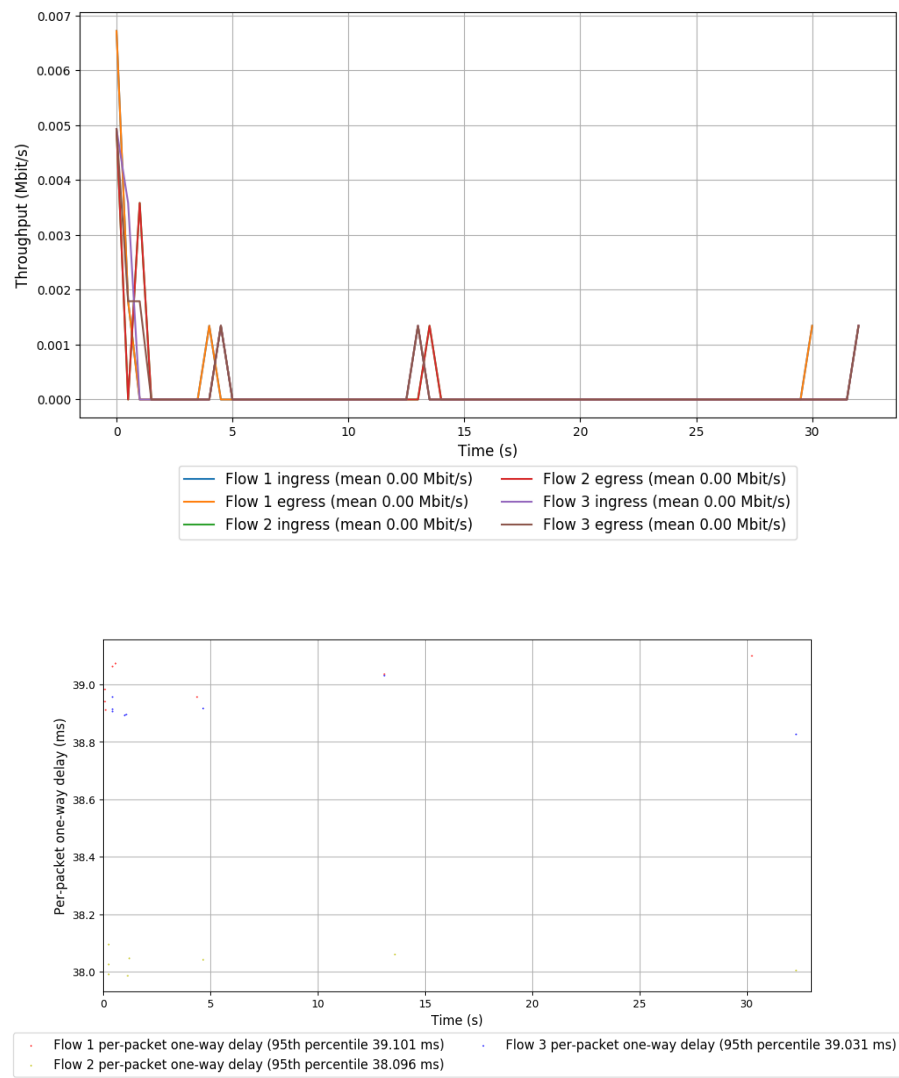
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 39.031 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 23:49:40 +0000

End at: Tue, 04 Jul 2017 23:50:10 +0000

Local clock offset: -0.083 ms

Remote clock offset: -0.717 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.644 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.612 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.644 ms

Loss rate: 0.00%

-- Flow 3:

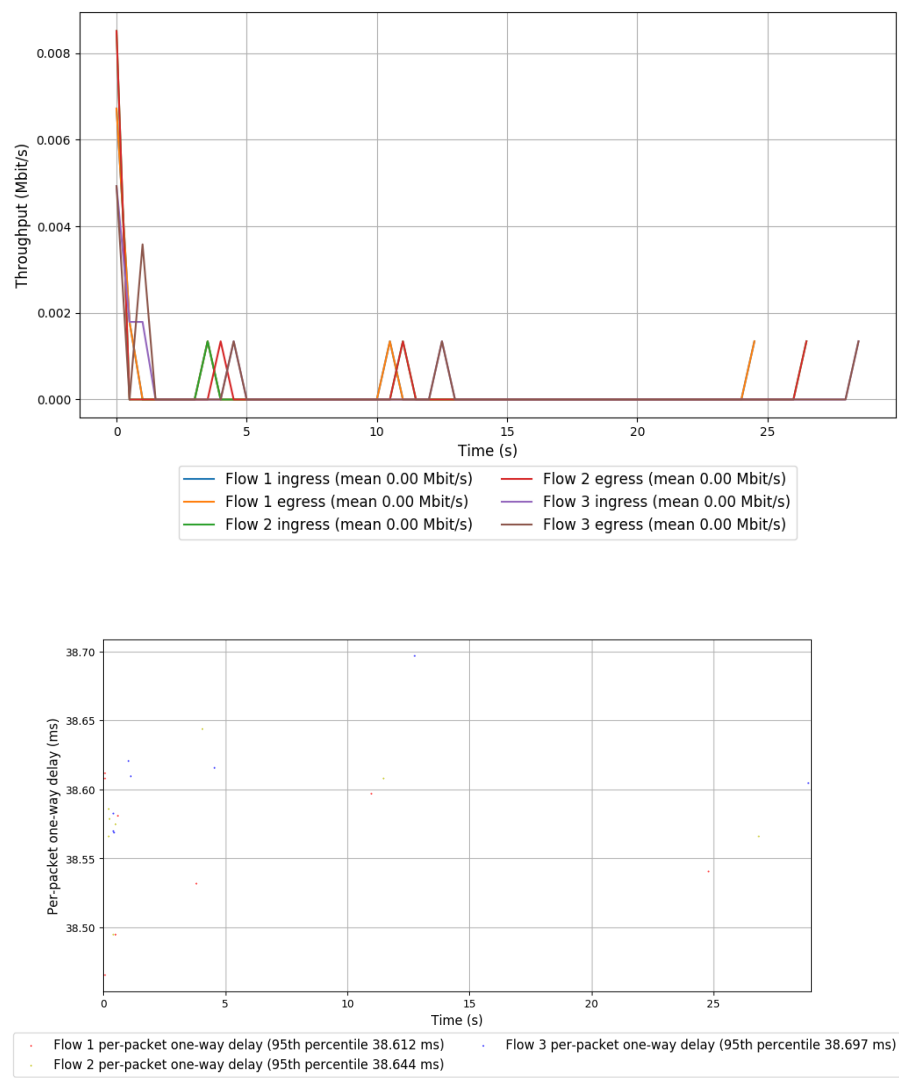
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.697 ms

Loss rate: 0.00%



Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 00:10:08 +0000

End at: Wed, 05 Jul 2017 00:10:38 +0000

Local clock offset: 0.113 ms

Remote clock offset: -0.932 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.166 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.244 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.166 ms

Loss rate: 0.00%

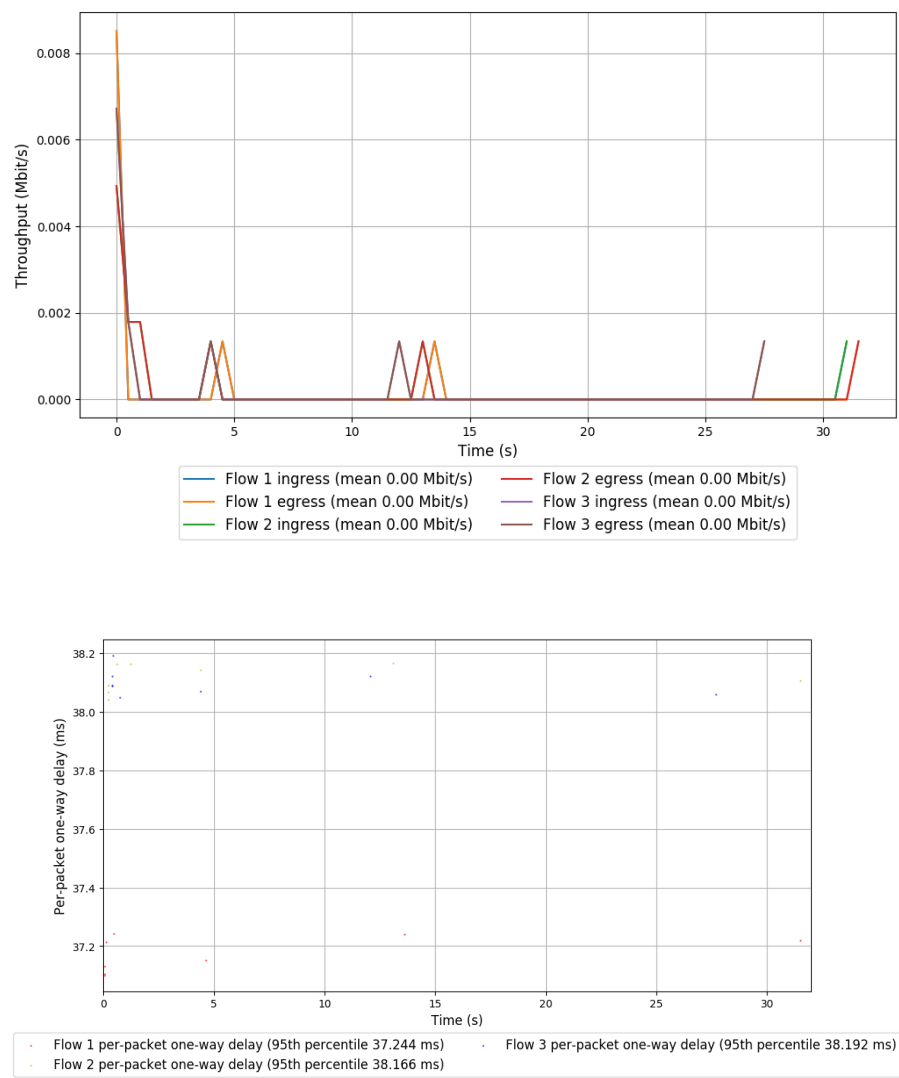
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 38.192 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 00:30:40 +0000

End at: Wed, 05 Jul 2017 00:31:10 +0000

Local clock offset: 0.249 ms

Remote clock offset: -2.731 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.097 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 37.120 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 35.922 ms

Loss rate: 0.00%

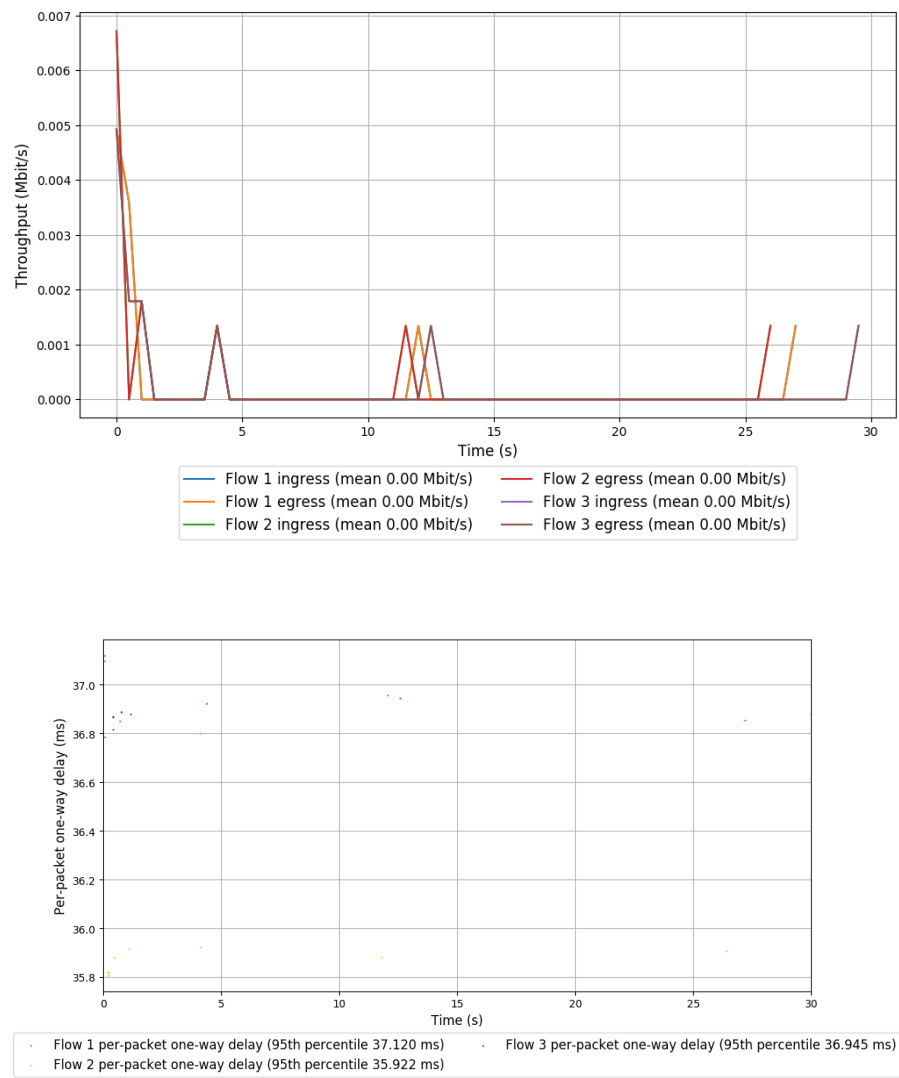
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 36.945 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 00:51:19 +0000

End at: Wed, 05 Jul 2017 00:51:49 +0000

Local clock offset: 0.299 ms

Remote clock offset: -5.129 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:10 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 35.915 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 35.954 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 35.915 ms

Loss rate: 0.00%

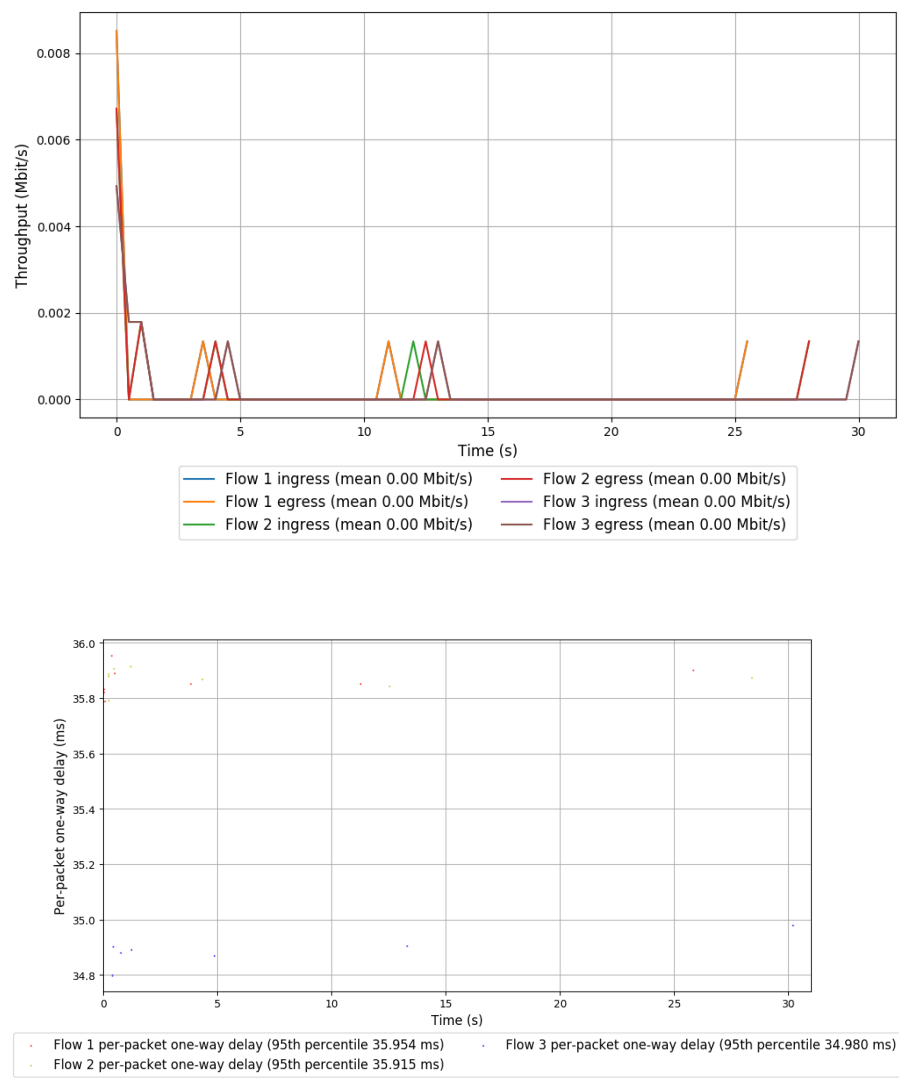
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.980 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 01:11:52 +0000

End at: Wed, 05 Jul 2017 01:12:22 +0000

Local clock offset: 0.347 ms

Remote clock offset: -3.562 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:10 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 35.441 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 35.472 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 34.549 ms

Loss rate: 0.00%

-- Flow 3:

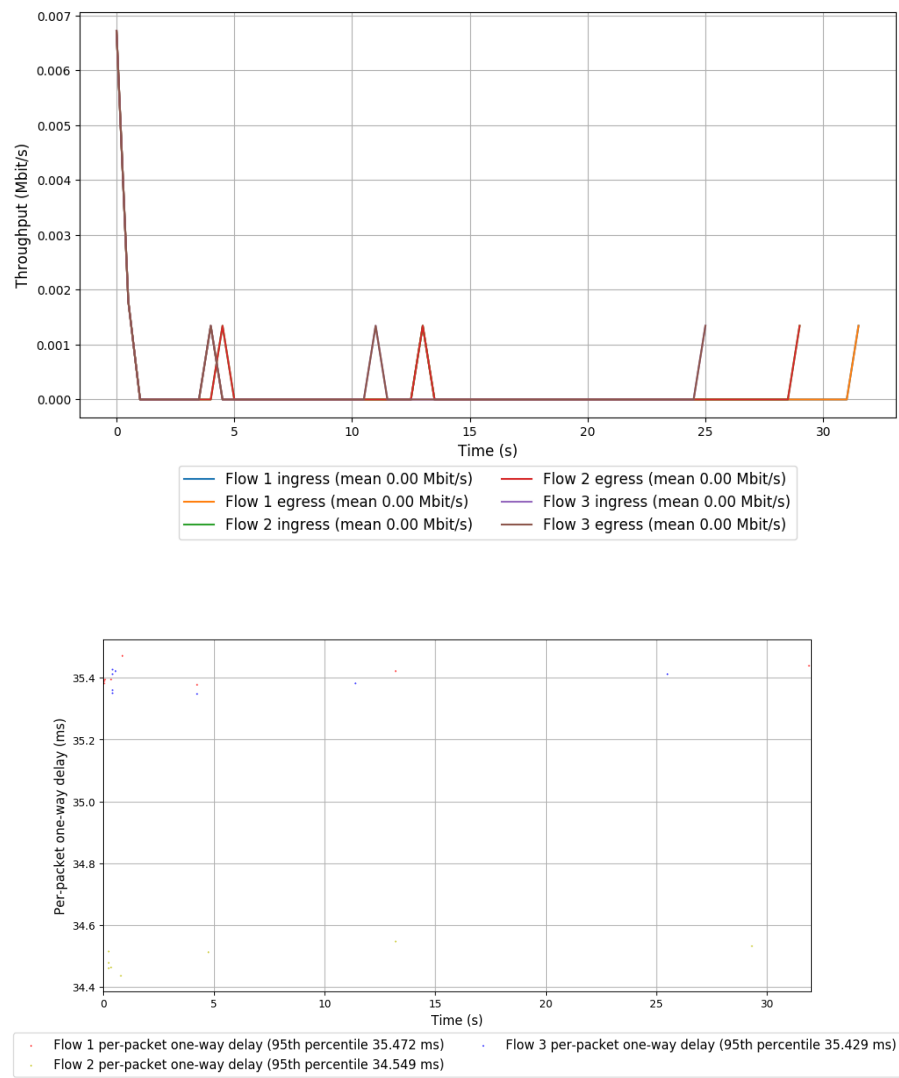
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 35.429 ms

Loss rate: 0.00%



Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:19:05 +0000

End at: Tue, 04 Jul 2017 22:19:35 +0000

Local clock offset: 0.07 ms

Remote clock offset: -1.273 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.93 Mbit/s

95th percentile per-packet one-way delay: 40.609 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 24.25 Mbit/s

95th percentile per-packet one-way delay: 38.263 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 15.96 Mbit/s

95th percentile per-packet one-way delay: 42.017 ms

Loss rate: 0.59%

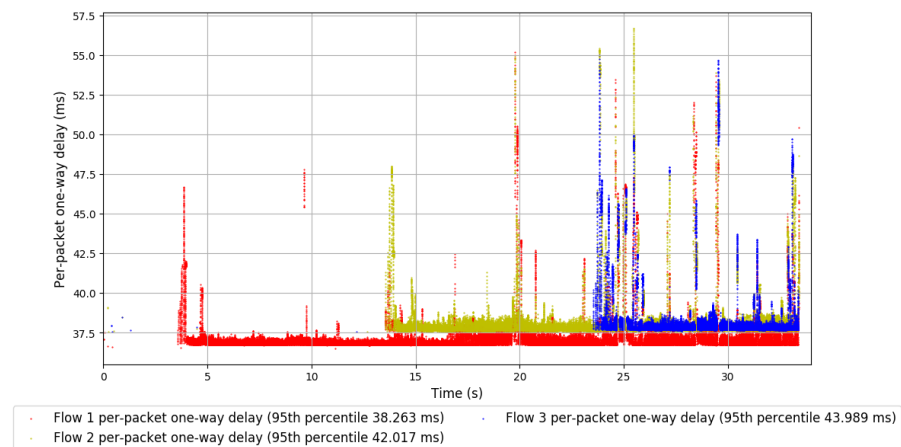
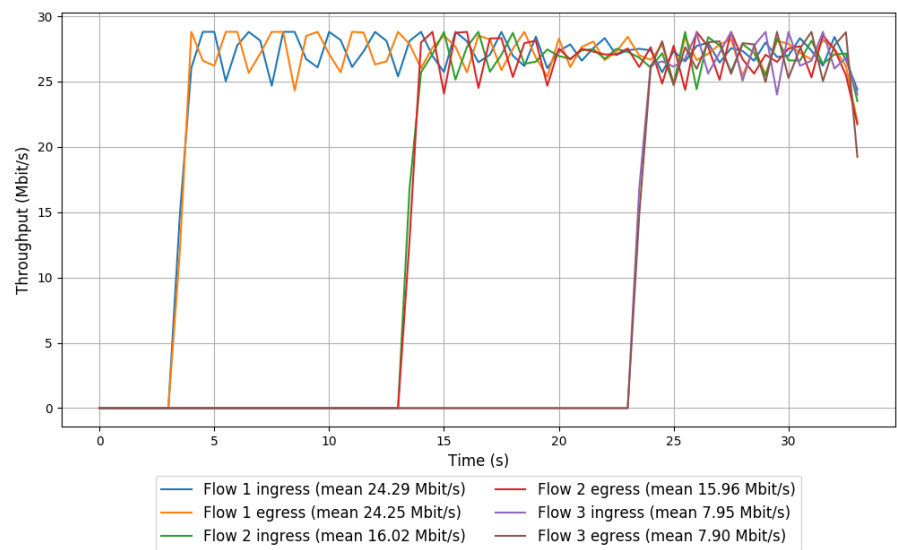
-- Flow 3:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 43.989 ms

Loss rate: 0.91%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:39:43 +0000

End at: Tue, 04 Jul 2017 22:40:13 +0000

Local clock offset: 0.174 ms

Remote clock offset: -3.342 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.41 Mbit/s

95th percentile per-packet one-way delay: 38.455 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 24.34 Mbit/s

95th percentile per-packet one-way delay: 38.258 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 16.23 Mbit/s

95th percentile per-packet one-way delay: 38.591 ms

Loss rate: 0.47%

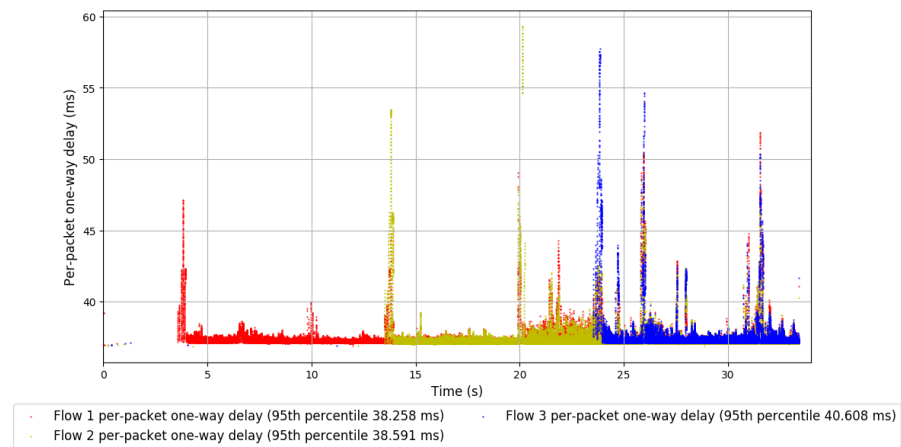
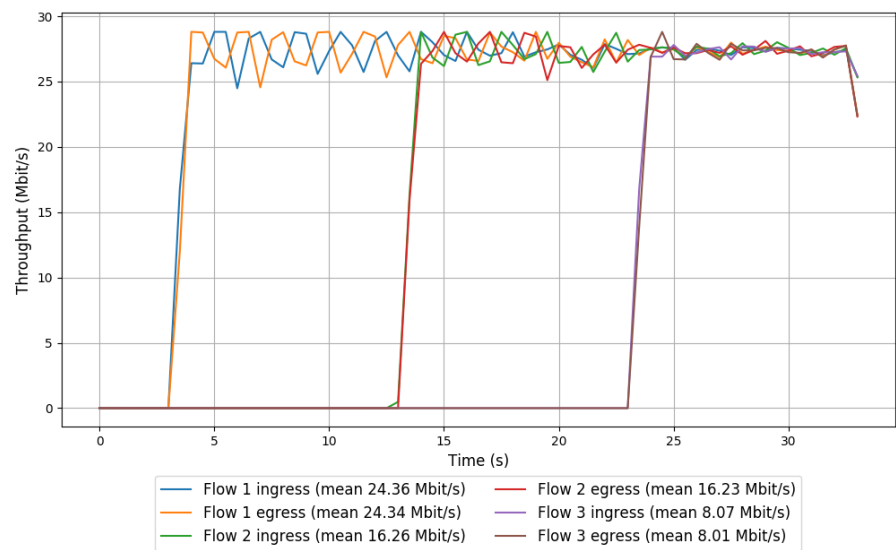
-- Flow 3:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 40.608 ms

Loss rate: 0.96%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Tue, 04 Jul 2017 23:00:19 +0000

End at: Tue, 04 Jul 2017 23:00:49 +0000

Local clock offset: -0.069 ms

Remote clock offset: -3.414 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.99 Mbit/s

95th percentile per-packet one-way delay: 41.096 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 24.25 Mbit/s

95th percentile per-packet one-way delay: 40.965 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 16.02 Mbit/s

95th percentile per-packet one-way delay: 40.023 ms

Loss rate: 0.47%

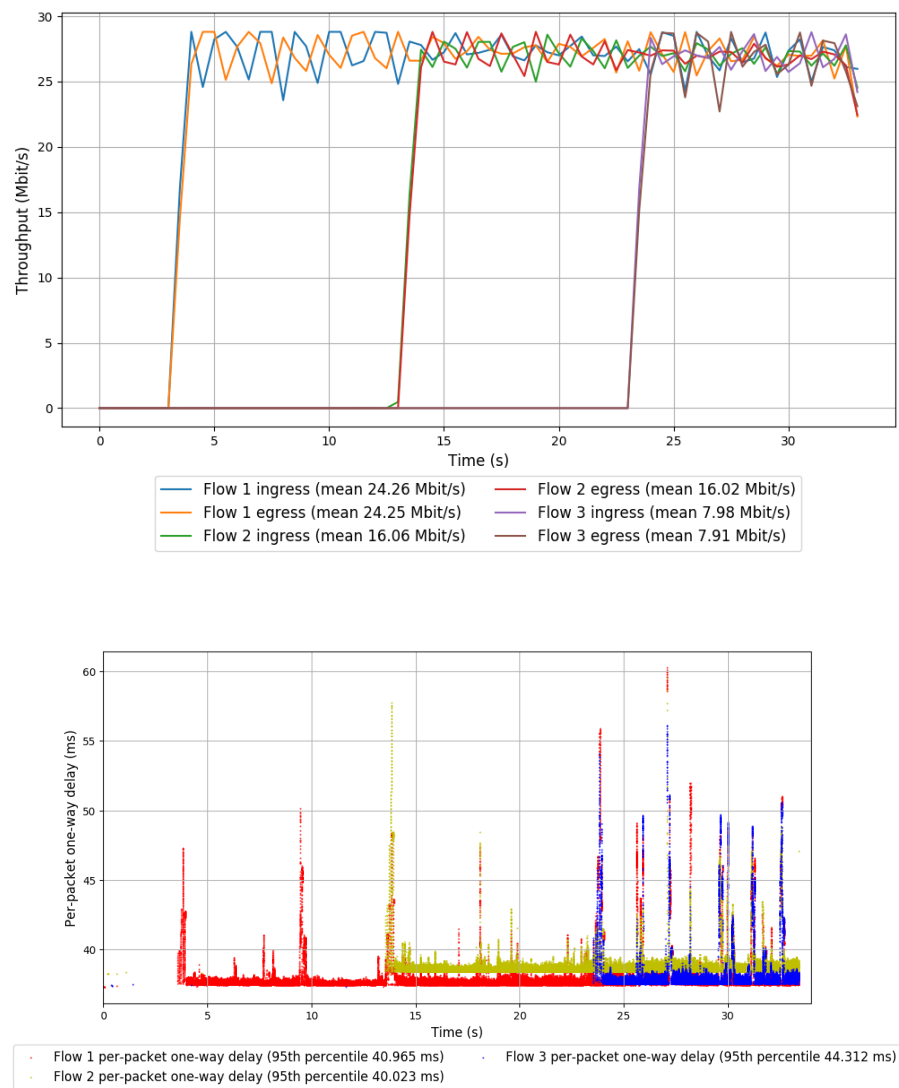
-- Flow 3:

Average throughput: 7.91 Mbit/s

95th percentile per-packet one-way delay: 44.312 ms

Loss rate: 1.24%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Tue, 04 Jul 2017 23:20:59 +0000

End at: Tue, 04 Jul 2017 23:21:29 +0000

Local clock offset: -0.064 ms

Remote clock offset: -2.67 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.08 Mbit/s

95th percentile per-packet one-way delay: 39.713 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 24.17 Mbit/s

95th percentile per-packet one-way delay: 39.634 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 16.13 Mbit/s

95th percentile per-packet one-way delay: 39.715 ms

Loss rate: 0.51%

-- Flow 3:

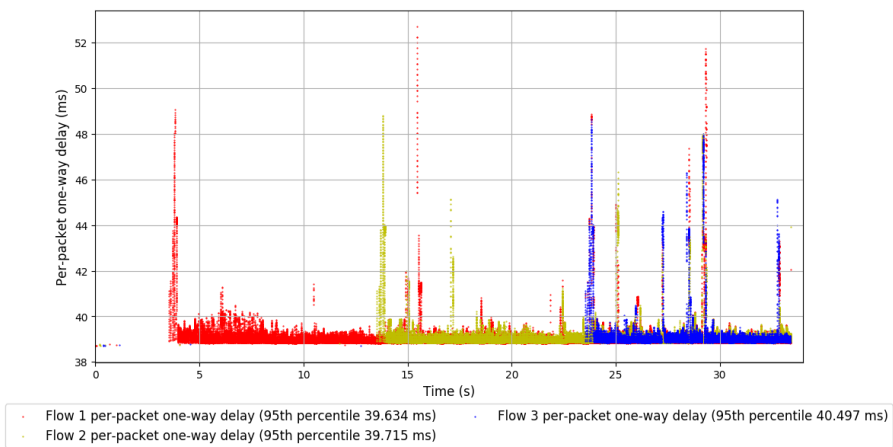
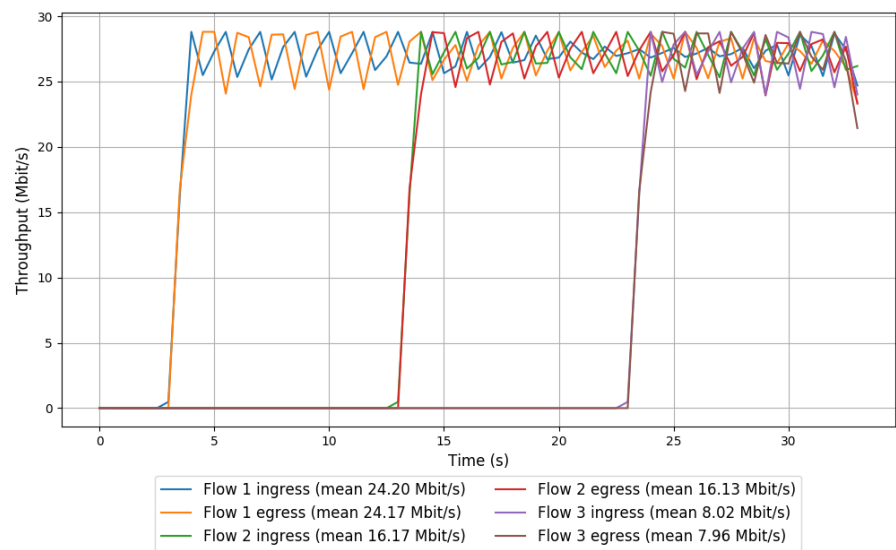
Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 40.497 ms

Loss rate: 1.02%



Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Tue, 04 Jul 2017 23:41:32 +0000

End at: Tue, 04 Jul 2017 23:42:02 +0000

Local clock offset: -0.094 ms

Remote clock offset: -0.935 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.12 Mbit/s

95th percentile per-packet one-way delay: 40.138 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 24.29 Mbit/s

95th percentile per-packet one-way delay: 39.556 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 16.05 Mbit/s

95th percentile per-packet one-way delay: 40.425 ms

Loss rate: 0.45%

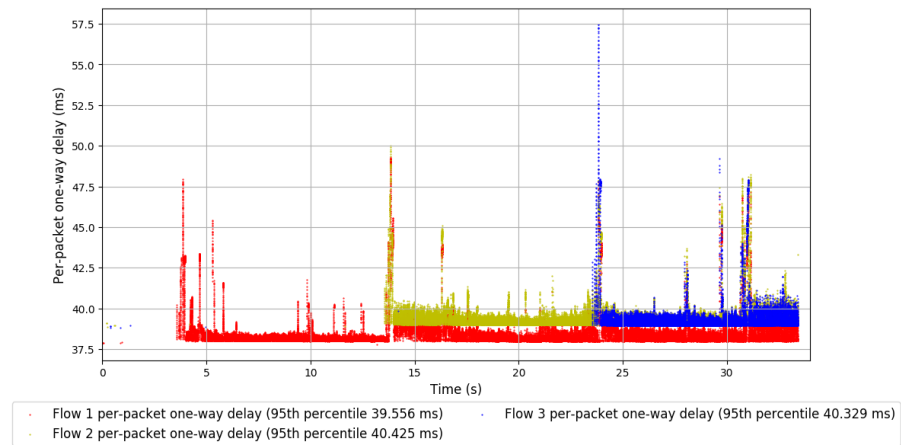
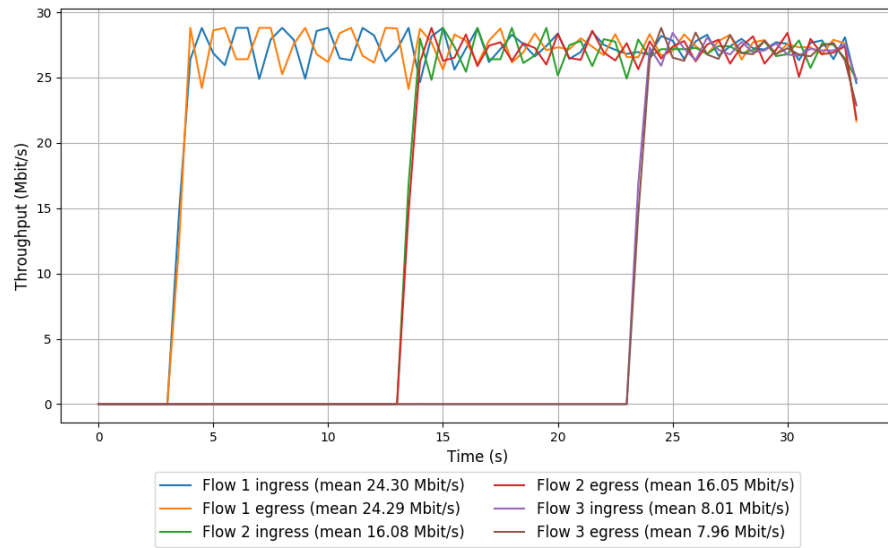
-- Flow 3:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 40.329 ms

Loss rate: 0.92%

## Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Wed, 05 Jul 2017 00:01:57 +0000

End at: Wed, 05 Jul 2017 00:02:27 +0000

Local clock offset: 0.014 ms

Remote clock offset: -2.995 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:34 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.08 Mbit/s

95th percentile per-packet one-way delay: 39.320 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 39.429 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 16.24 Mbit/s

95th percentile per-packet one-way delay: 38.748 ms

Loss rate: 0.44%

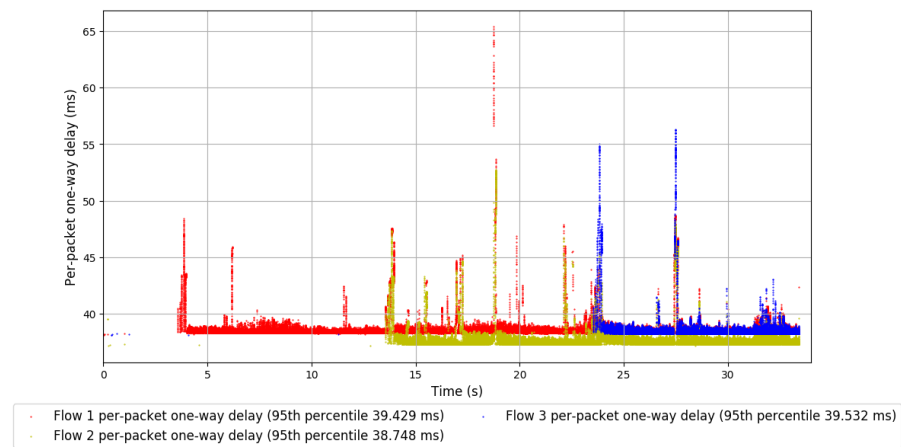
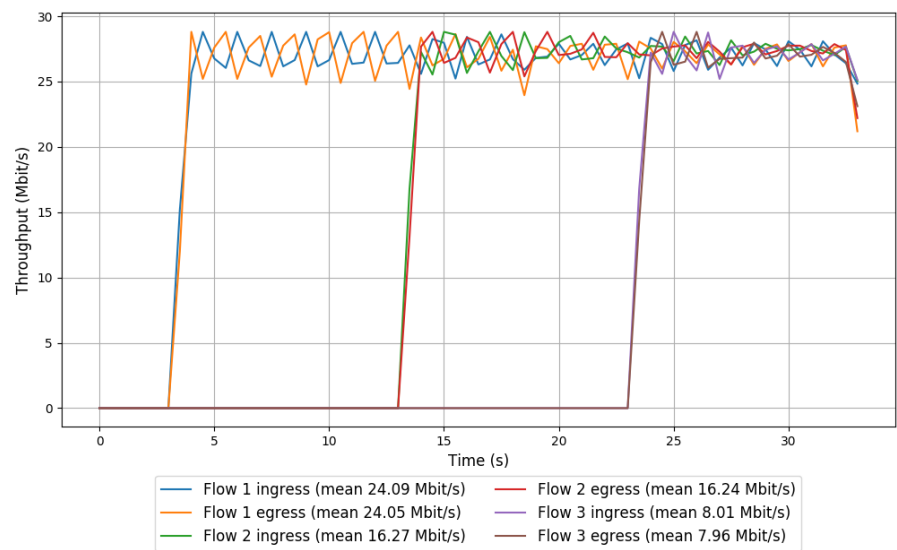
-- Flow 3:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 39.532 ms

Loss rate: 0.90%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Wed, 05 Jul 2017 00:22:30 +0000

End at: Wed, 05 Jul 2017 00:23:00 +0000

Local clock offset: 0.118 ms

Remote clock offset: -3.898 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.36 Mbit/s

95th percentile per-packet one-way delay: 37.852 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 37.295 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 16.11 Mbit/s

95th percentile per-packet one-way delay: 38.030 ms

Loss rate: 0.48%

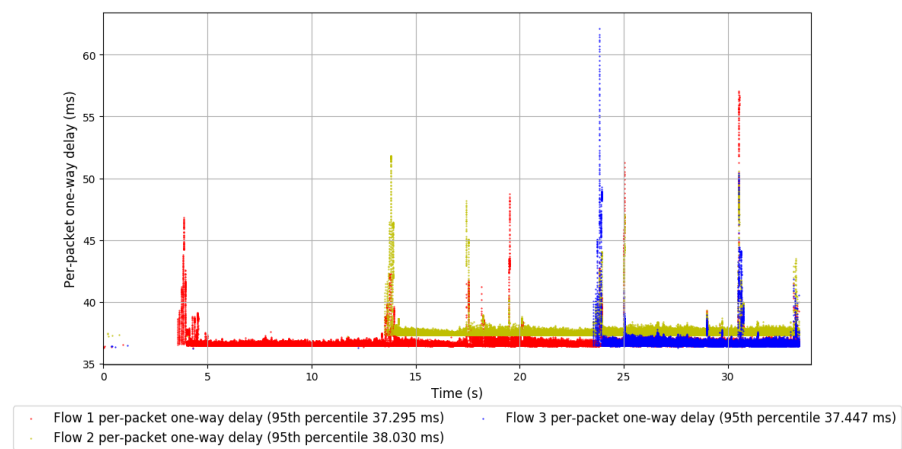
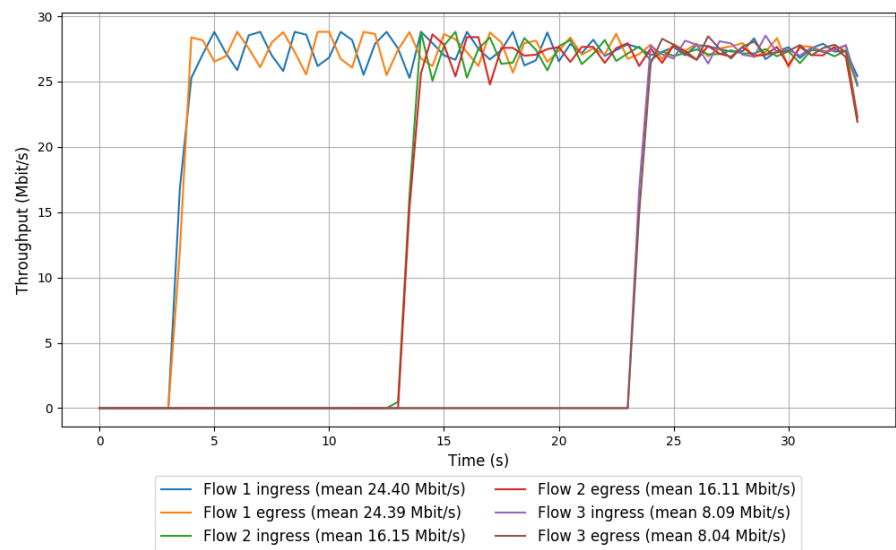
-- Flow 3:

Average throughput: 8.04 Mbit/s

95th percentile per-packet one-way delay: 37.447 ms

Loss rate: 0.89%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Wed, 05 Jul 2017 00:43:07 +0000

End at: Wed, 05 Jul 2017 00:43:37 +0000

Local clock offset: 0.204 ms

Remote clock offset: -4.805 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:42 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.21 Mbit/s

95th percentile per-packet one-way delay: 37.175 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 24.16 Mbit/s

95th percentile per-packet one-way delay: 37.196 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 16.27 Mbit/s

95th percentile per-packet one-way delay: 36.487 ms

Loss rate: 0.45%

-- Flow 3:

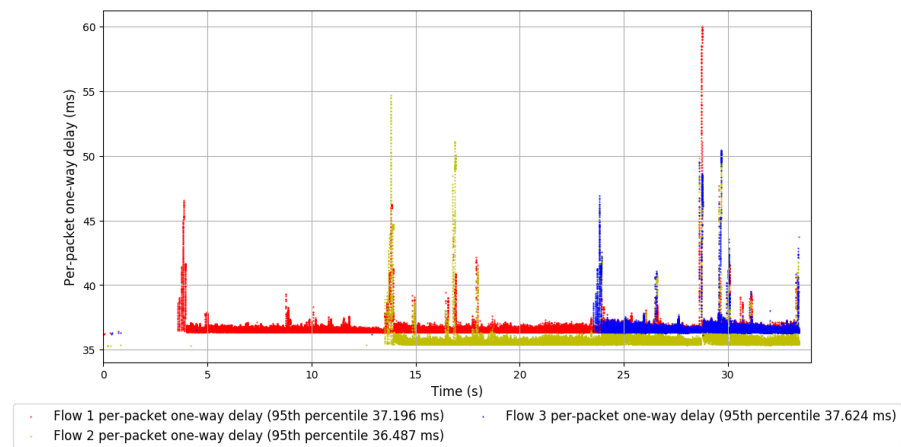
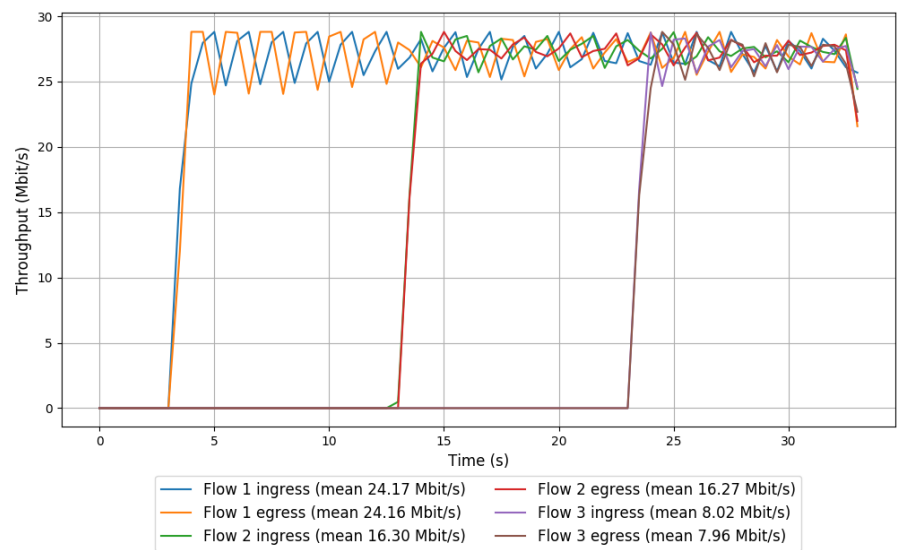
Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 37.624 ms

Loss rate: 0.90%



Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Wed, 05 Jul 2017 01:03:42 +0000

End at: Wed, 05 Jul 2017 01:04:12 +0000

Local clock offset: 0.382 ms

Remote clock offset: -3.326 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.81 Mbit/s

95th percentile per-packet one-way delay: 38.526 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 23.94 Mbit/s

95th percentile per-packet one-way delay: 38.110 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 16.04 Mbit/s

95th percentile per-packet one-way delay: 38.965 ms

Loss rate: 0.46%

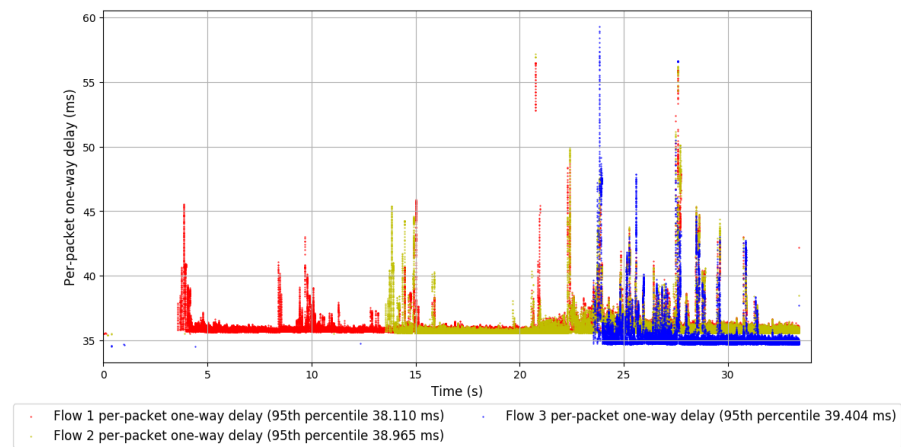
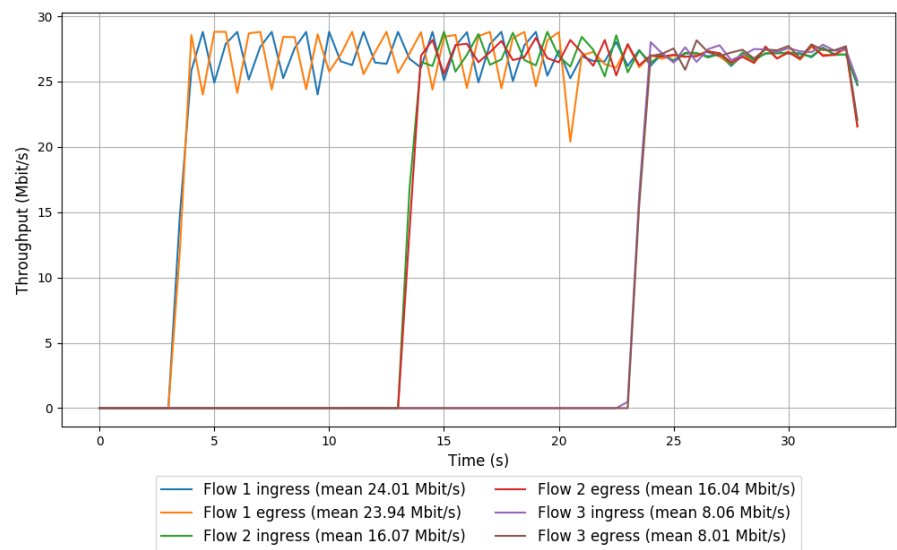
-- Flow 3:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 39.404 ms

Loss rate: 0.91%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Wed, 05 Jul 2017 01:24:12 +0000

End at: Wed, 05 Jul 2017 01:24:42 +0000

Local clock offset: 0.335 ms

Remote clock offset: -5.072 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 47.92 Mbit/s

95th percentile per-packet one-way delay: 37.219 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 24.10 Mbit/s

95th percentile per-packet one-way delay: 36.902 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 16.03 Mbit/s

95th percentile per-packet one-way delay: 37.433 ms

Loss rate: 0.65%

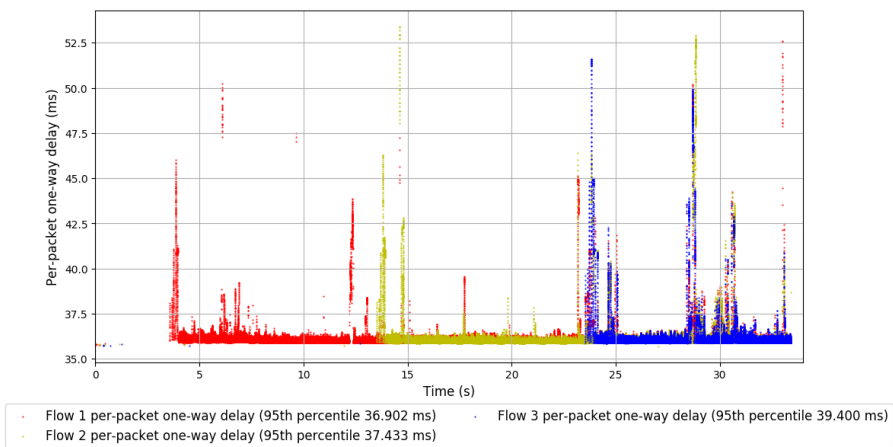
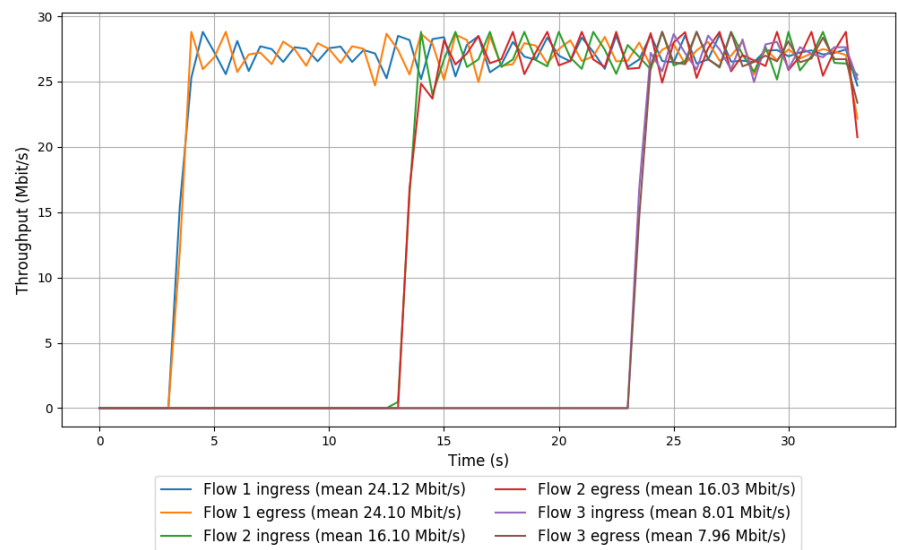
-- Flow 3:

Average throughput: 7.96 Mbit/s

95th percentile per-packet one-way delay: 39.400 ms

Loss rate: 0.93%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 22:21:46 +0000

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

Local clock offset: -0.033 ms

Remote clock offset: -2.029 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 37.763 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 36.857 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 37.795 ms

Loss rate: 0.42%

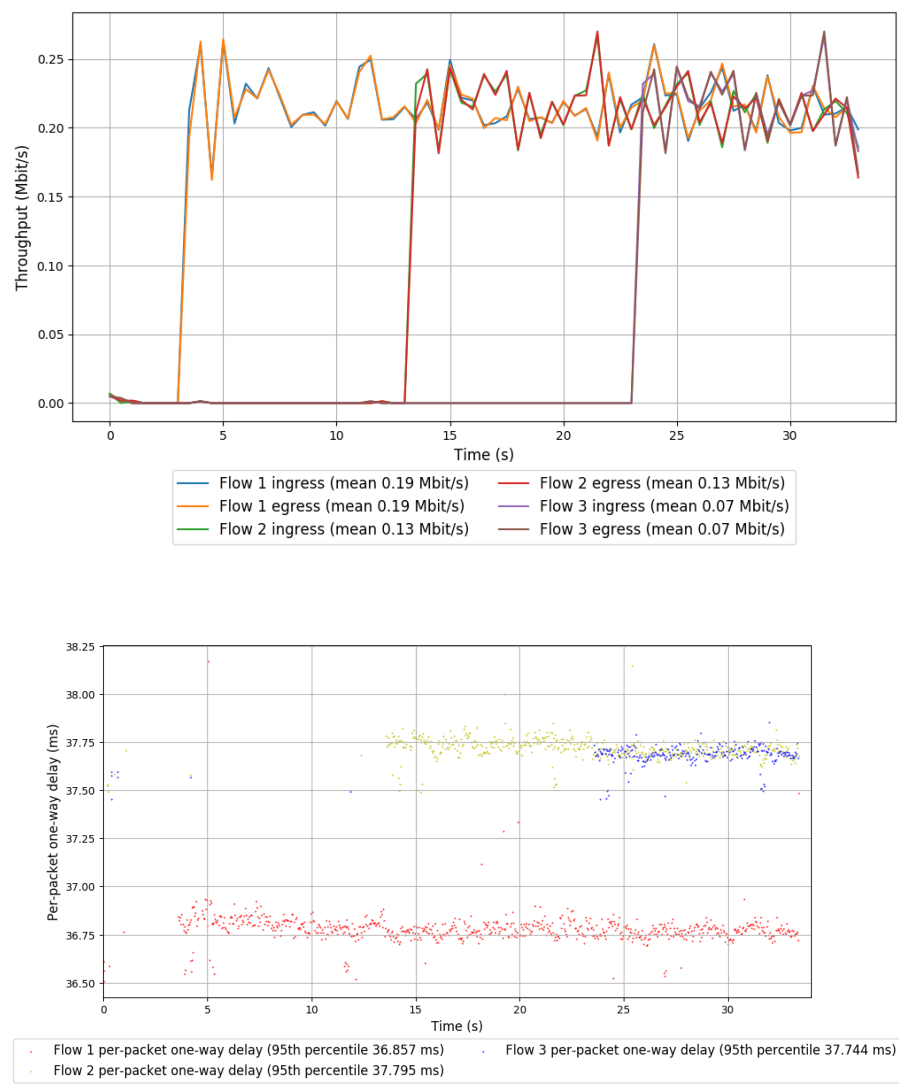
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 37.744 ms

Loss rate: 0.73%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 22:42:24 +0000

End at: Tue, 04 Jul 2017 22:42:54 +0000

Local clock offset: 0.162 ms

Remote clock offset: -1.137 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 38.194 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 38.218 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 37.175 ms

Loss rate: 0.63%

-- Flow 3:

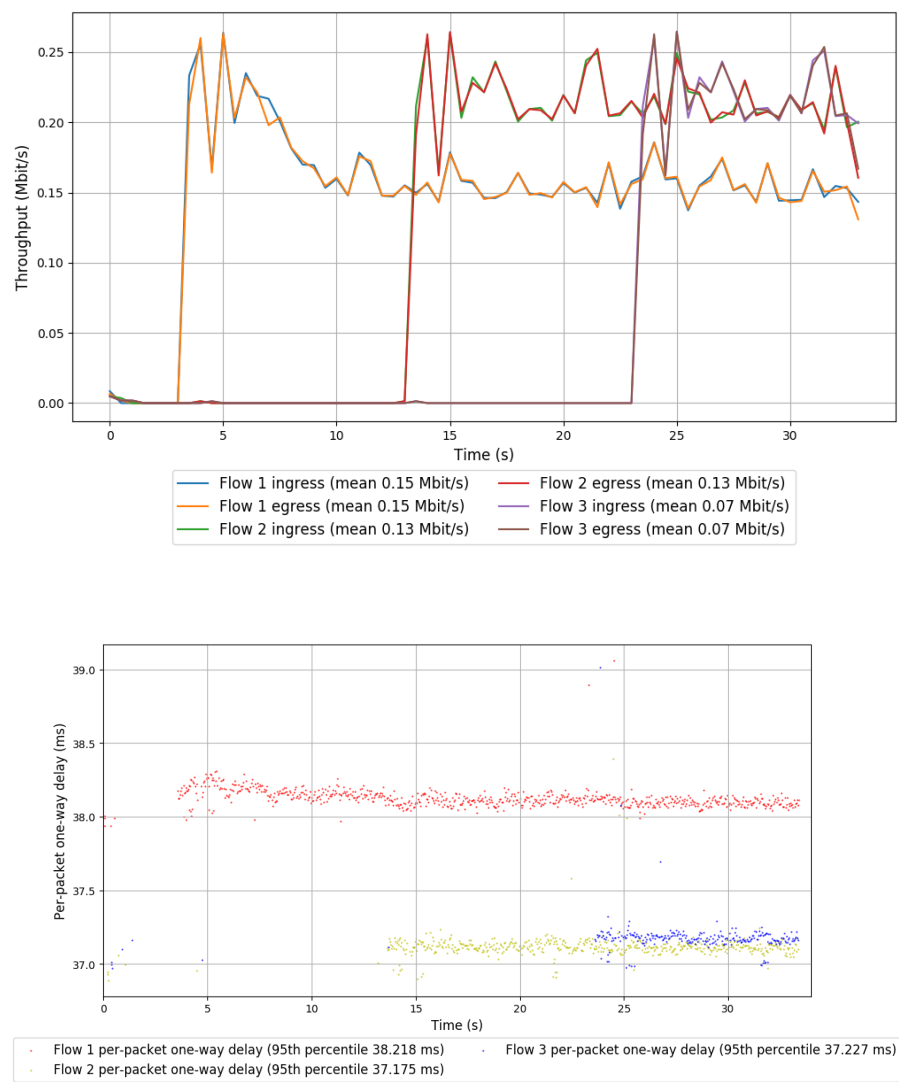
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 37.227 ms

Loss rate: 1.10%



Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:03:01 +0000

End at: Tue, 04 Jul 2017 23:03:31 +0000

Local clock offset: -0.074 ms

Remote clock offset: -3.35 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 38.591 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 38.588 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 37.630 ms

Loss rate: 0.39%

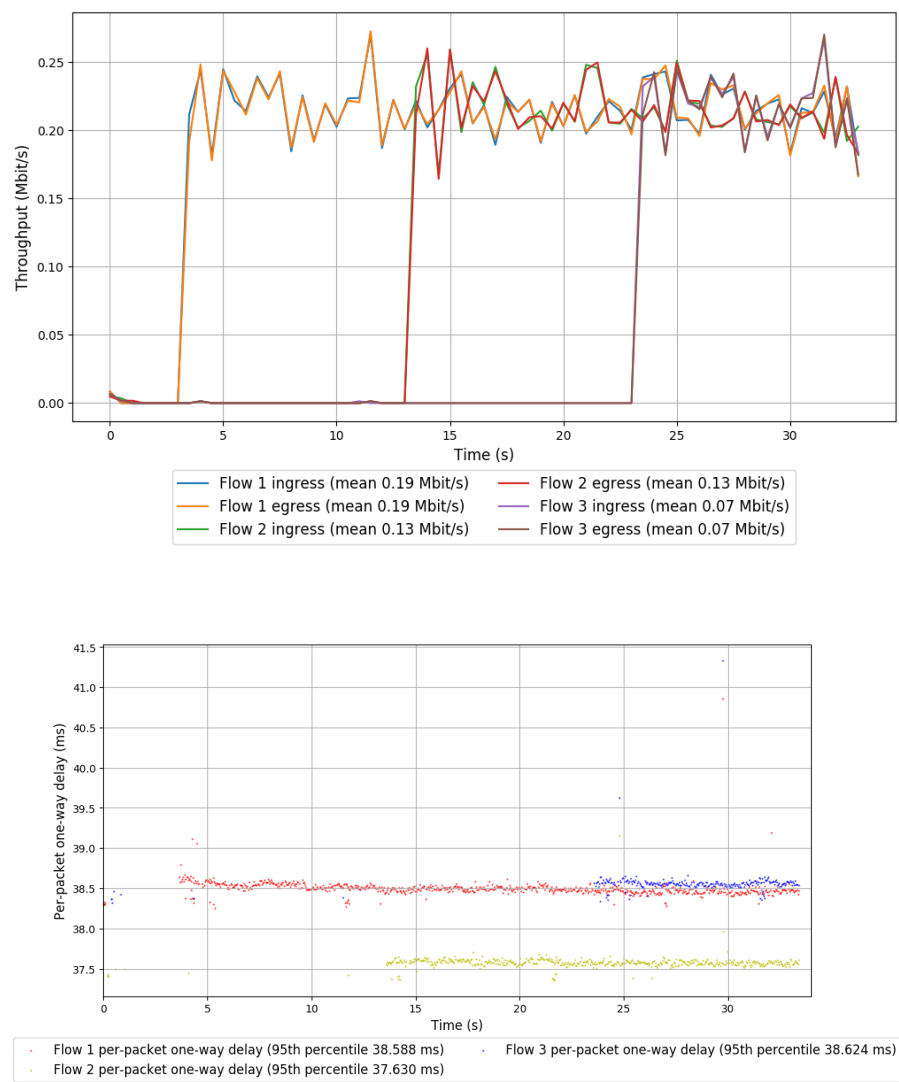
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 38.624 ms

Loss rate: 0.73%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

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

End at: Tue, 04 Jul 2017 23:24:09 +0000

Local clock offset: -0.083 ms

Remote clock offset: -0.438 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 39.102 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 39.047 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 39.127 ms

Loss rate: 0.42%

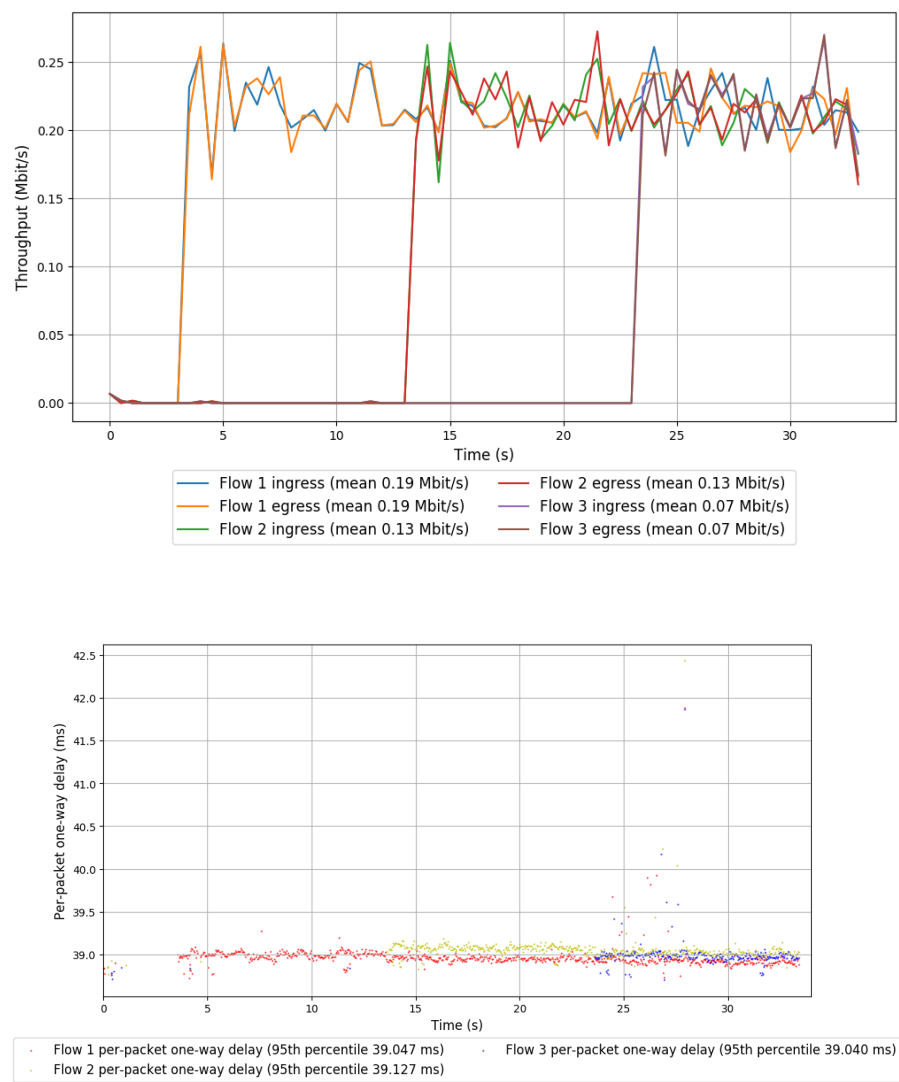
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 39.040 ms

Loss rate: 0.73%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:44:13 +0000

End at: Tue, 04 Jul 2017 23:44:43 +0000

Local clock offset: -0.043 ms

Remote clock offset: -2.562 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 38.886 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 0.16 Mbit/s

95th percentile per-packet one-way delay: 38.087 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 38.063 ms

Loss rate: 0.39%

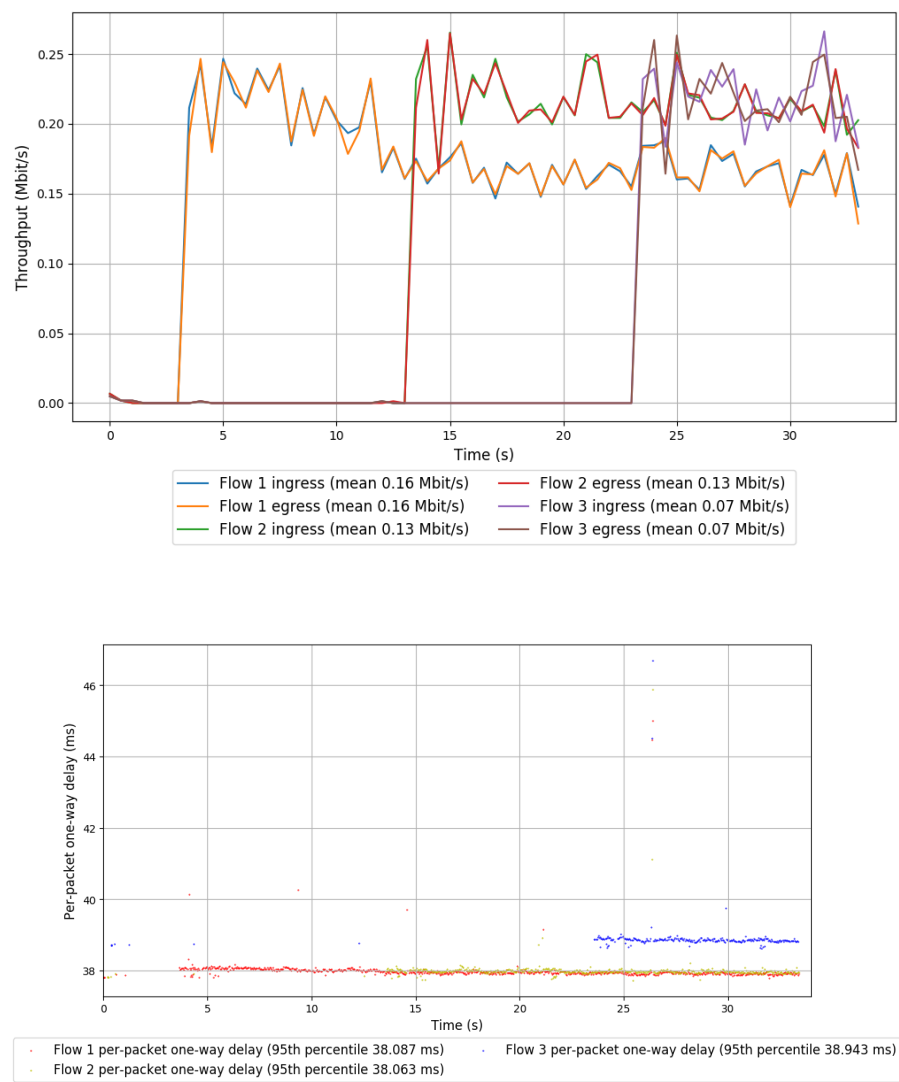
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 38.943 ms

Loss rate: 0.73%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 00:04:37 +0000

End at: Wed, 05 Jul 2017 00:05:07 +0000

Local clock offset: 0.139 ms

Remote clock offset: -0.944 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:54 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 38.404 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 38.335 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 38.429 ms

Loss rate: 0.43%

-- Flow 3:

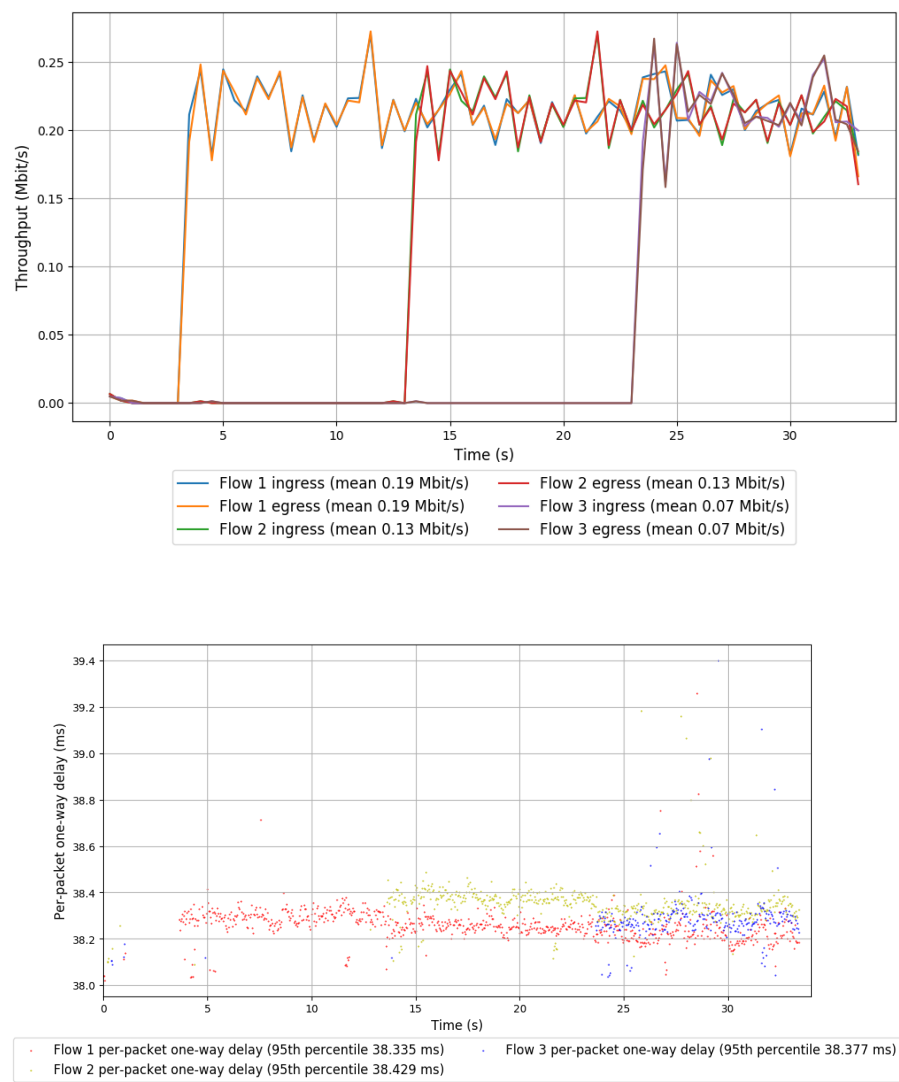
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 38.377 ms

Loss rate: 0.75%



Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 00:25:11 +0000

End at: Wed, 05 Jul 2017 00:25:41 +0000

Local clock offset: 0.124 ms

Remote clock offset: -2.412 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:54 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 37.309 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 37.325 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 37.269 ms

Loss rate: 0.42%

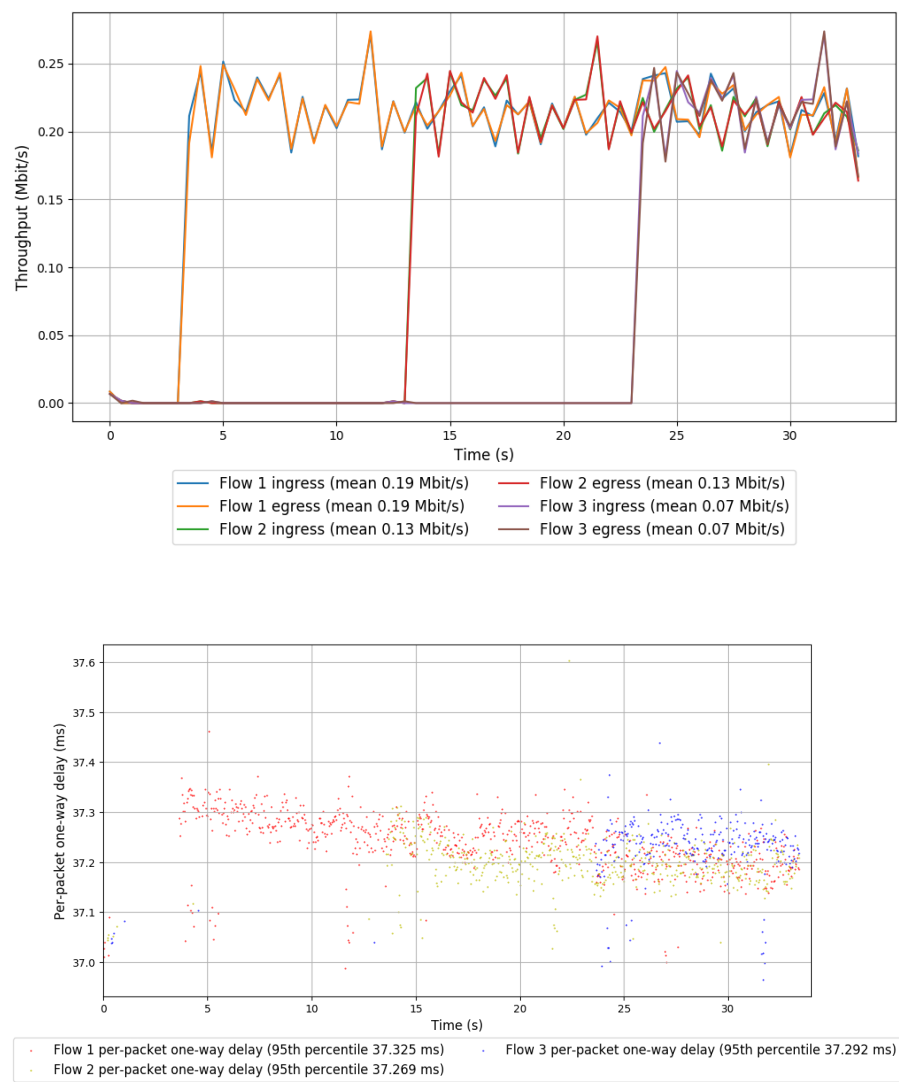
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 37.292 ms

Loss rate: 0.75%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 00:45:47 +0000

End at: Wed, 05 Jul 2017 00:46:17 +0000

Local clock offset: 0.196 ms

Remote clock offset: -2.759 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 35.412 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 35.413 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 35.369 ms

Loss rate: 0.43%

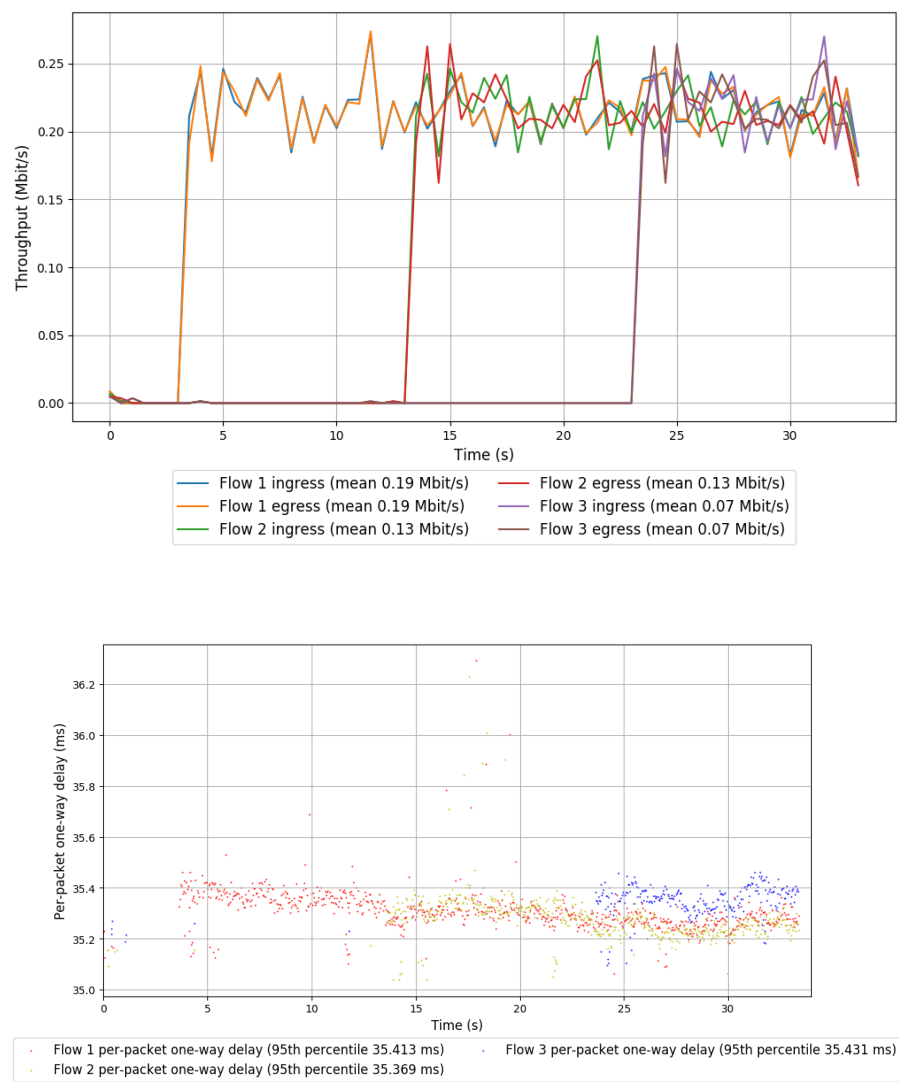
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 35.431 ms

Loss rate: 0.75%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 01:06:22 +0000

End at: Wed, 05 Jul 2017 01:06:52 +0000

Local clock offset: 0.308 ms

Remote clock offset: -2.912 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 35.648 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 34.802 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 35.677 ms

Loss rate: 0.43%

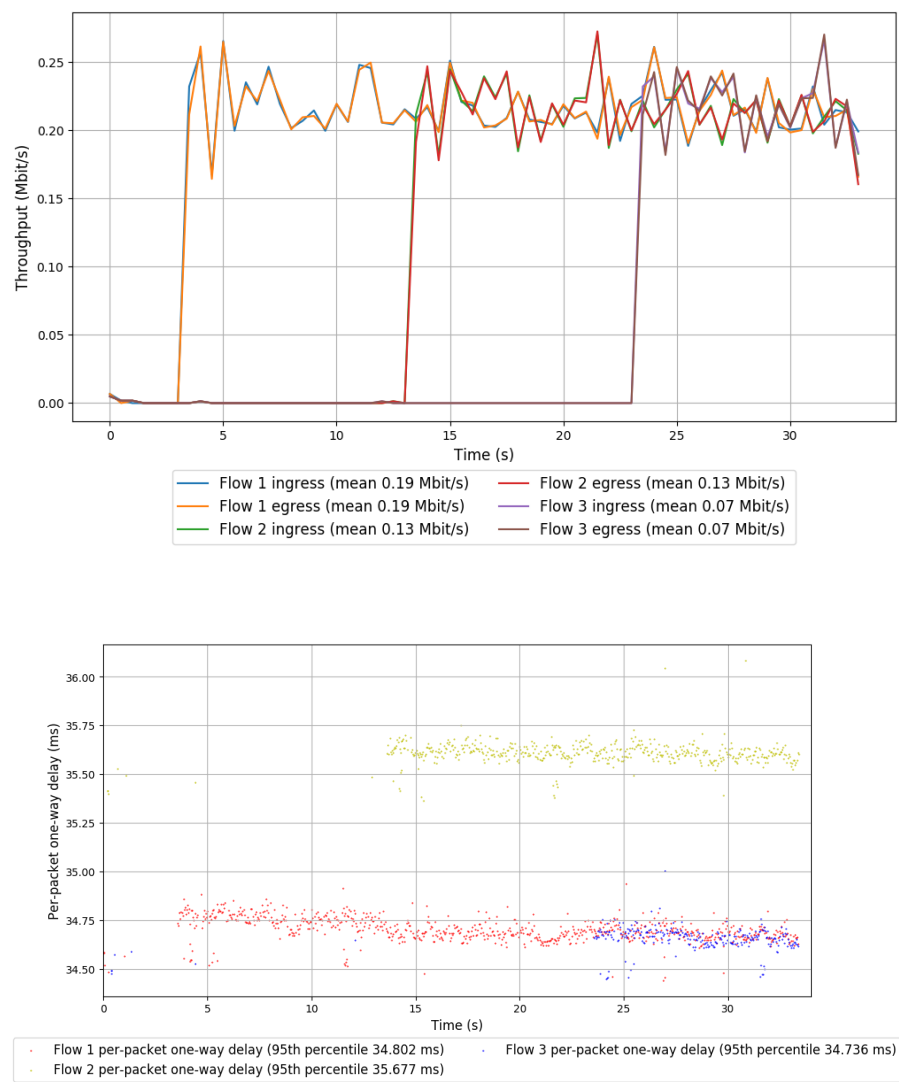
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 34.736 ms

Loss rate: 0.73%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 01:26:52 +0000

End at: Wed, 05 Jul 2017 01:27:22 +0000

Local clock offset: 0.435 ms

Remote clock offset: -5.079 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:31:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 36.163 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 36.181 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 36.119 ms

Loss rate: 0.42%

-- Flow 3:

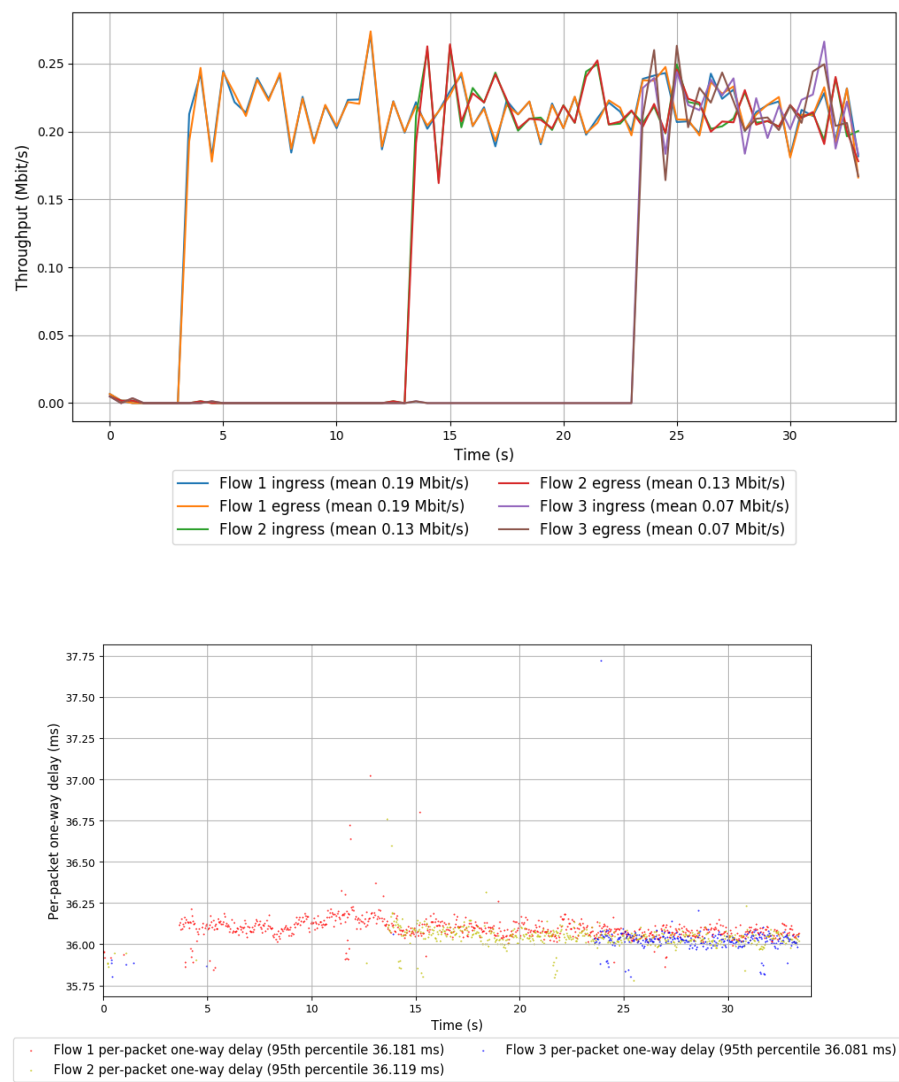
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 36.081 ms

Loss rate: 0.73%



Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Tue, 04 Jul 2017 22:12:12 +0000

End at: Tue, 04 Jul 2017 22:12:42 +0000

Local clock offset: -0.001 ms

Remote clock offset: -1.305 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 16.33 Mbit/s

95th percentile per-packet one-way delay: 44.155 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 8.22 Mbit/s

95th percentile per-packet one-way delay: 43.597 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 5.56 Mbit/s

95th percentile per-packet one-way delay: 44.529 ms

Loss rate: 0.62%

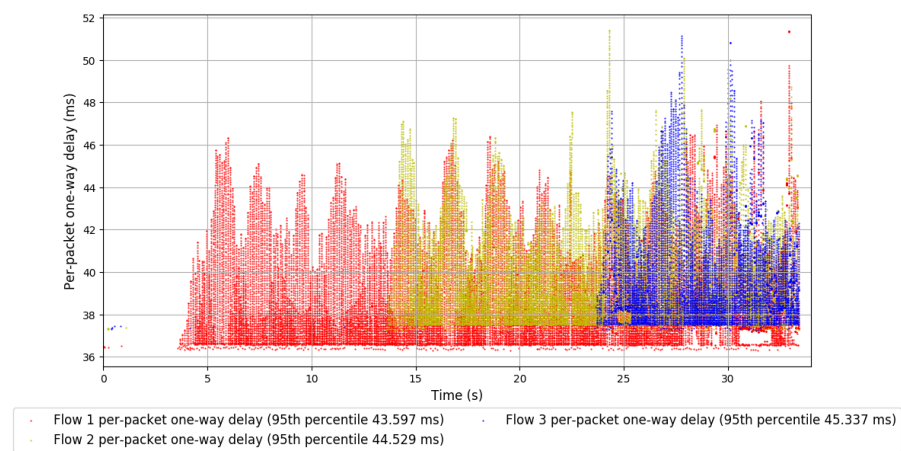
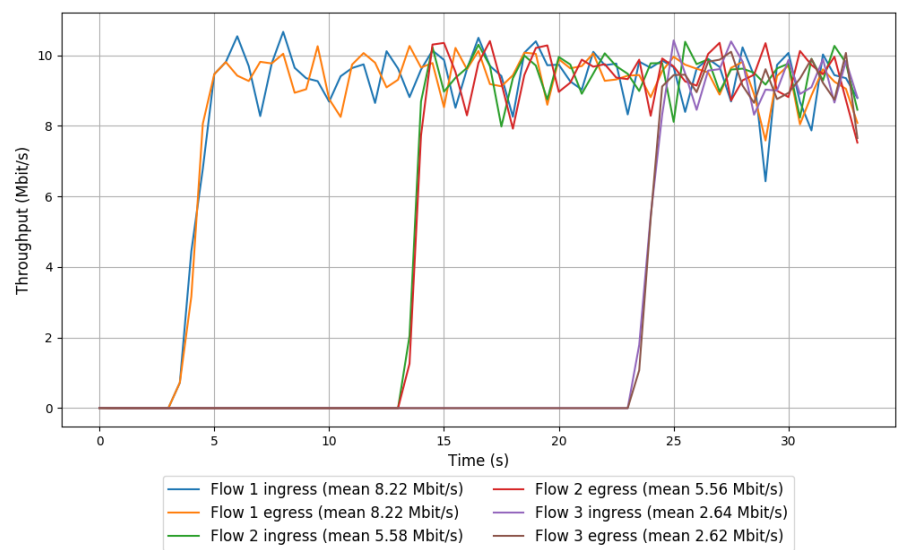
-- Flow 3:

Average throughput: 2.62 Mbit/s

95th percentile per-packet one-way delay: 45.337 ms

Loss rate: 0.86%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Tue, 04 Jul 2017 22:32:48 +0000

End at: Tue, 04 Jul 2017 22:33:18 +0000

Local clock offset: 0.01 ms

Remote clock offset: -0.865 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 16.42 Mbit/s

95th percentile per-packet one-way delay: 43.792 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 8.36 Mbit/s

95th percentile per-packet one-way delay: 43.420 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 44.164 ms

Loss rate: 0.39%

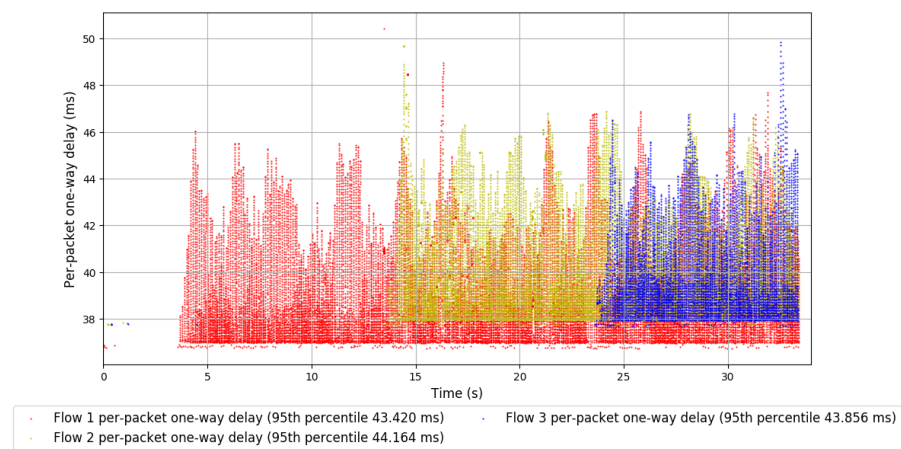
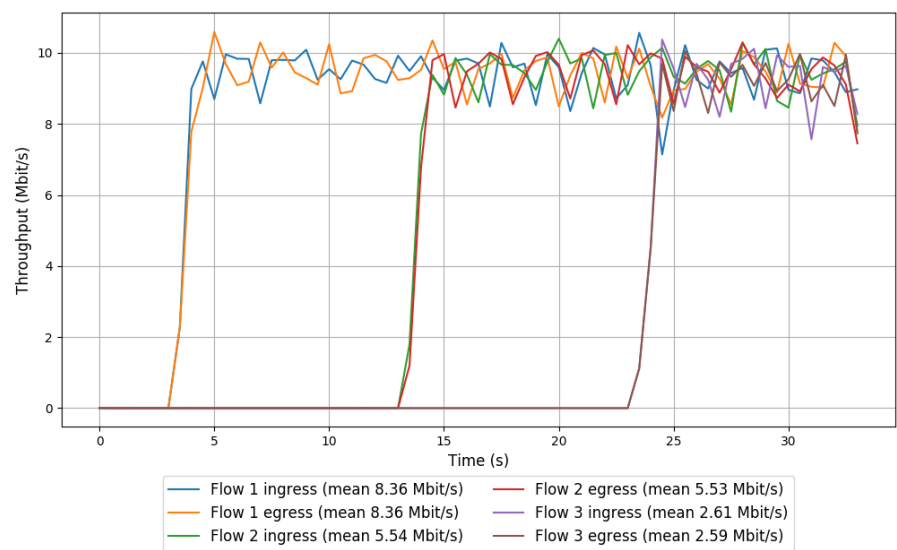
-- Flow 3:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 43.856 ms

Loss rate: 1.12%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Tue, 04 Jul 2017 22:53:23 +0000

End at: Tue, 04 Jul 2017 22:53:53 +0000

Local clock offset: 0.032 ms

Remote clock offset: -3.109 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 16.22 Mbit/s

95th percentile per-packet one-way delay: 44.230 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 8.35 Mbit/s

95th percentile per-packet one-way delay: 43.785 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 5.41 Mbit/s

95th percentile per-packet one-way delay: 44.583 ms

Loss rate: 0.61%

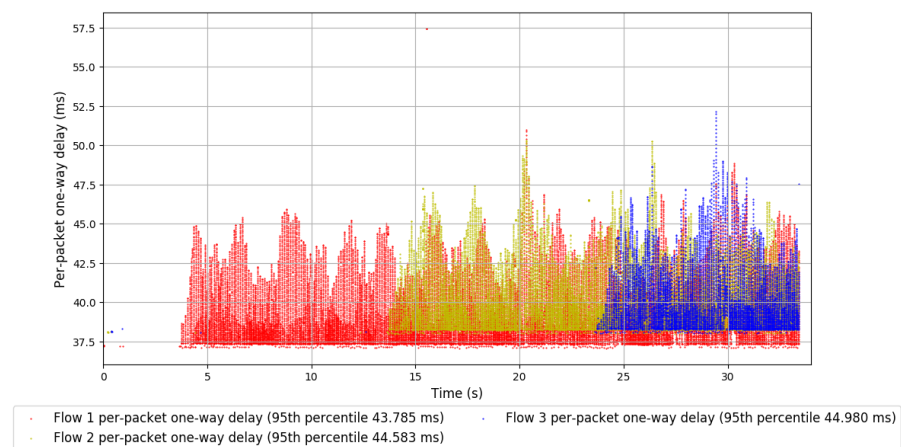
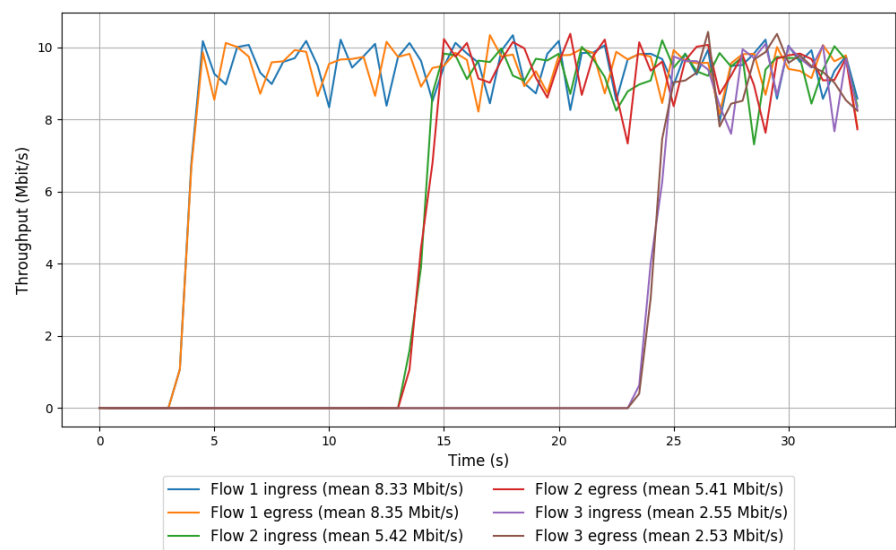
-- Flow 3:

Average throughput: 2.53 Mbit/s

95th percentile per-packet one-way delay: 44.980 ms

Loss rate: 0.71%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:14:06 +0000

End at: Tue, 04 Jul 2017 23:14:36 +0000

Local clock offset: -0.137 ms

Remote clock offset: -0.764 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 16.34 Mbit/s

95th percentile per-packet one-way delay: 45.372 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 8.26 Mbit/s

95th percentile per-packet one-way delay: 45.028 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 5.44 Mbit/s

95th percentile per-packet one-way delay: 45.515 ms

Loss rate: 0.67%

-- Flow 3:

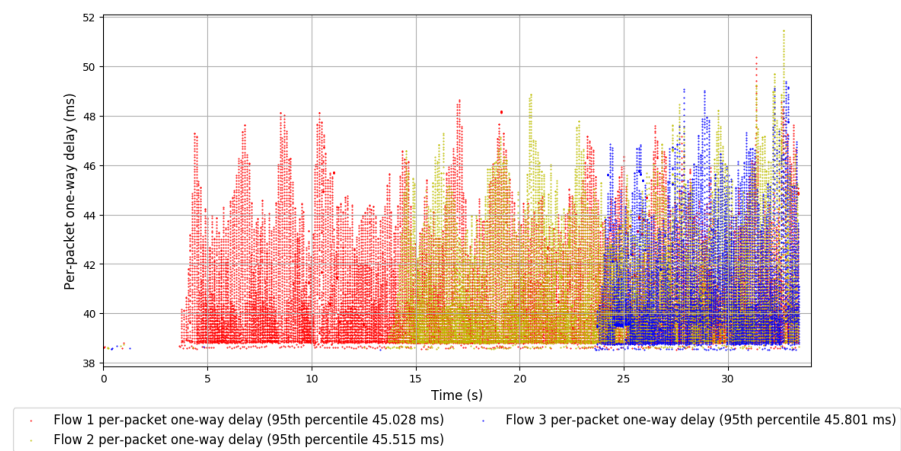
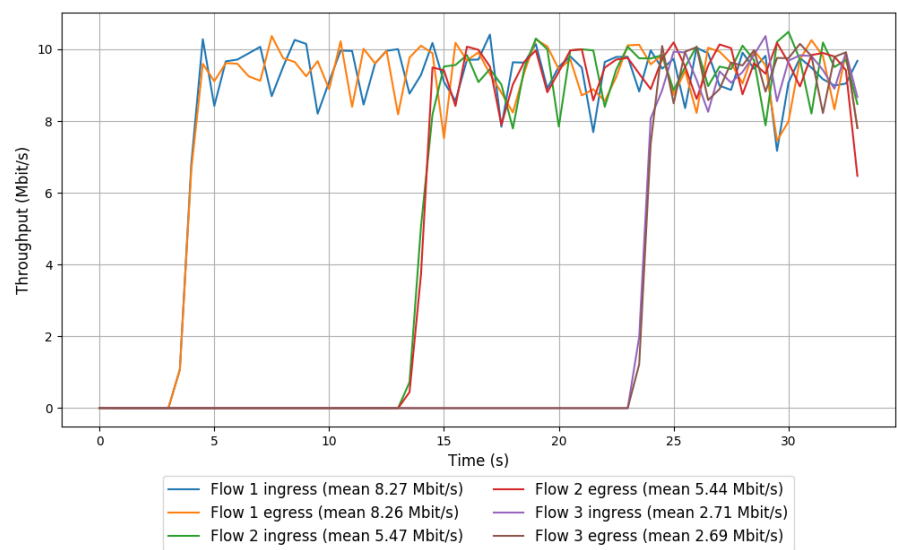
Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 45.801 ms

Loss rate: 0.65%



Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:34:40 +0000

End at: Tue, 04 Jul 2017 23:35:10 +0000

Local clock offset: -0.071 ms

Remote clock offset: -2.327 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 16.33 Mbit/s

95th percentile per-packet one-way delay: 45.715 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 8.31 Mbit/s

95th percentile per-packet one-way delay: 45.546 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 5.40 Mbit/s

95th percentile per-packet one-way delay: 46.610 ms

Loss rate: 0.49%

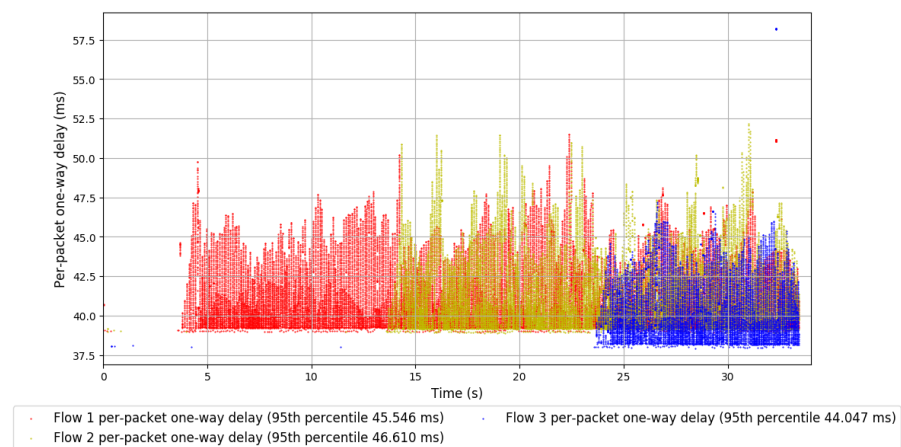
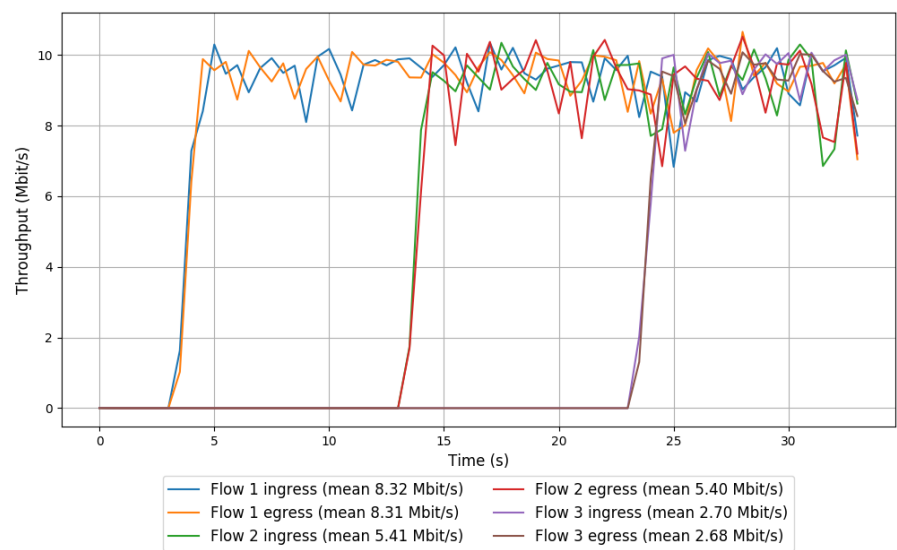
-- Flow 3:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 44.047 ms

Loss rate: 1.15%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:55:07 +0000

End at: Tue, 04 Jul 2017 23:55:37 +0000

Local clock offset: 0.049 ms

Remote clock offset: -3.329 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 15.98 Mbit/s

95th percentile per-packet one-way delay: 44.997 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 8.05 Mbit/s

95th percentile per-packet one-way delay: 44.535 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 5.34 Mbit/s

95th percentile per-packet one-way delay: 45.574 ms

Loss rate: 0.49%

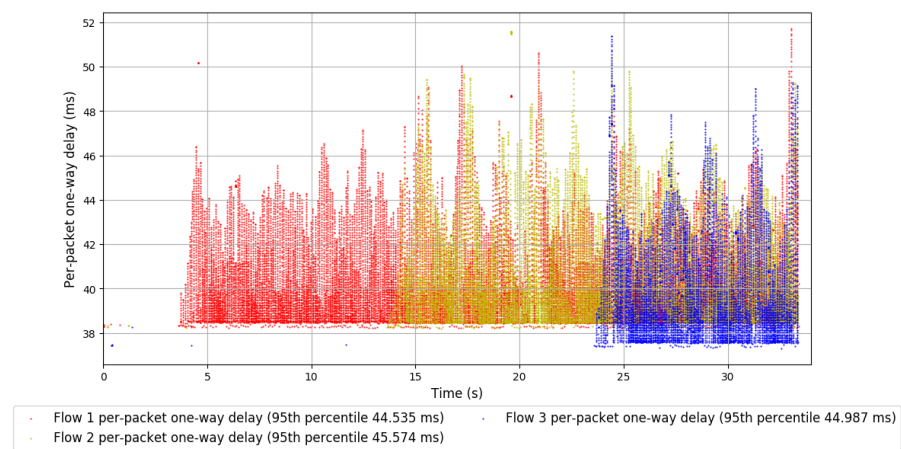
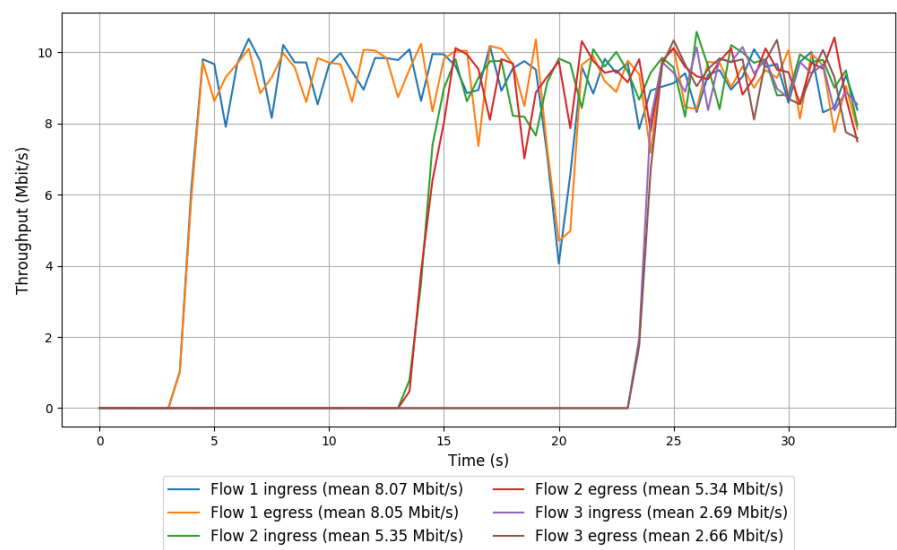
-- Flow 3:

Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 44.987 ms

Loss rate: 1.29%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Wed, 05 Jul 2017 00:15:36 +0000

End at: Wed, 05 Jul 2017 00:16:06 +0000

Local clock offset: 0.11 ms

Remote clock offset: -0.759 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 16.38 Mbit/s

95th percentile per-packet one-way delay: 44.161 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 8.33 Mbit/s

95th percentile per-packet one-way delay: 44.351 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 5.48 Mbit/s

95th percentile per-packet one-way delay: 43.686 ms

Loss rate: 0.45%

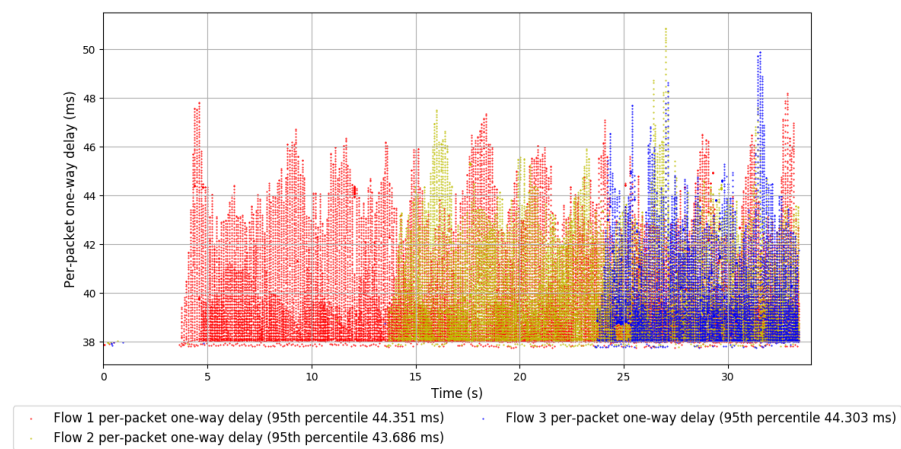
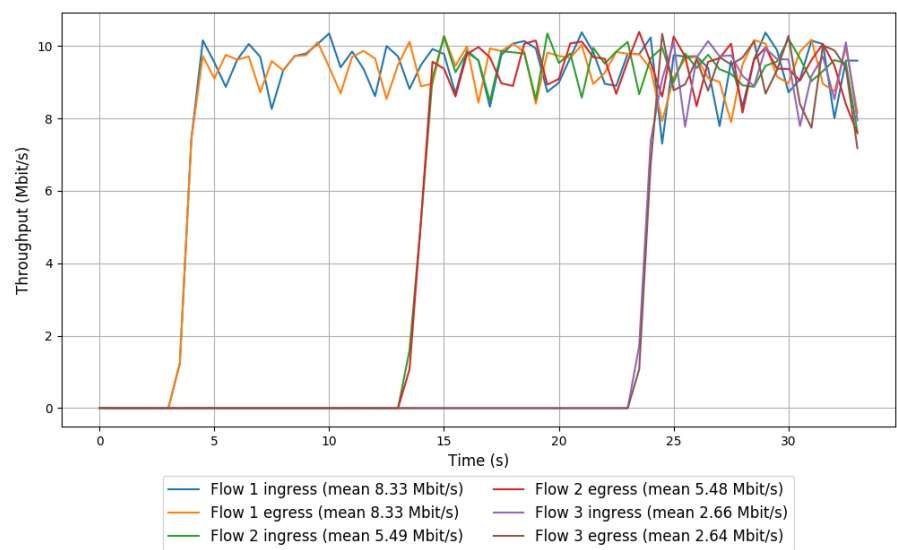
-- Flow 3:

Average throughput: 2.64 Mbit/s

95th percentile per-packet one-way delay: 44.303 ms

Loss rate: 0.97%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Wed, 05 Jul 2017 00:36:12 +0000

End at: Wed, 05 Jul 2017 00:36:42 +0000

Local clock offset: 0.17 ms

Remote clock offset: -1.909 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 16.27 Mbit/s

95th percentile per-packet one-way delay: 43.486 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 8.16 Mbit/s

95th percentile per-packet one-way delay: 43.509 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 5.51 Mbit/s

95th percentile per-packet one-way delay: 43.280 ms

Loss rate: 0.49%

-- Flow 3:

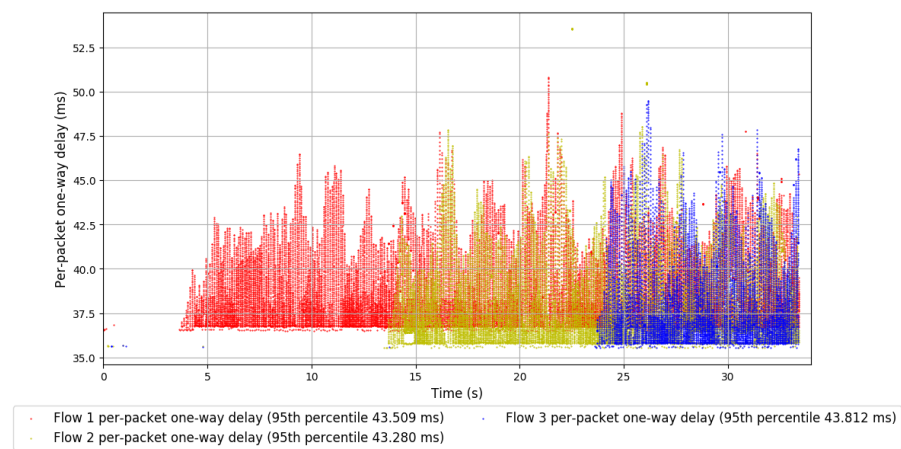
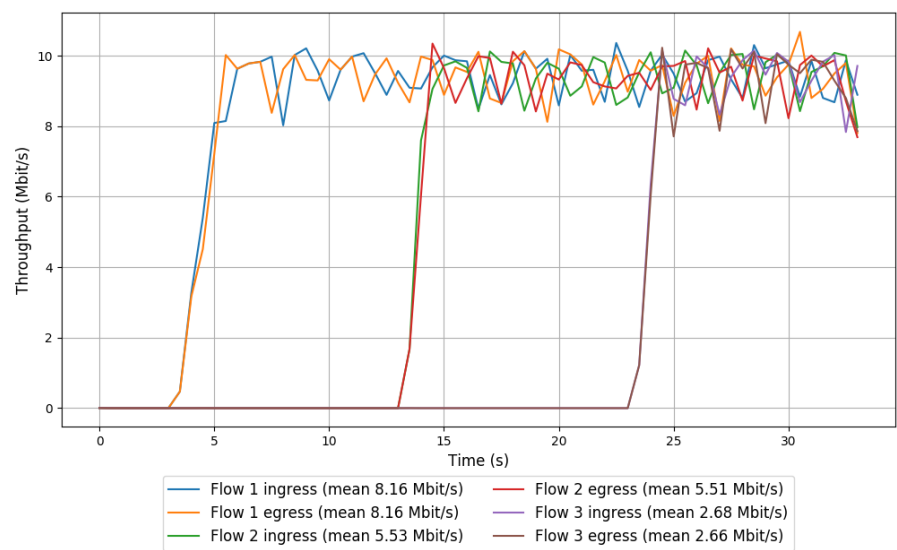
Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 43.812 ms

Loss rate: 1.11%



Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Wed, 05 Jul 2017 00:56:49 +0000

End at: Wed, 05 Jul 2017 00:57:19 +0000

Local clock offset: 0.319 ms

Remote clock offset: -5.671 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 16.35 Mbit/s

95th percentile per-packet one-way delay: 42.558 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 8.21 Mbit/s

95th percentile per-packet one-way delay: 42.436 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 5.52 Mbit/s

95th percentile per-packet one-way delay: 42.916 ms

Loss rate: 0.53%

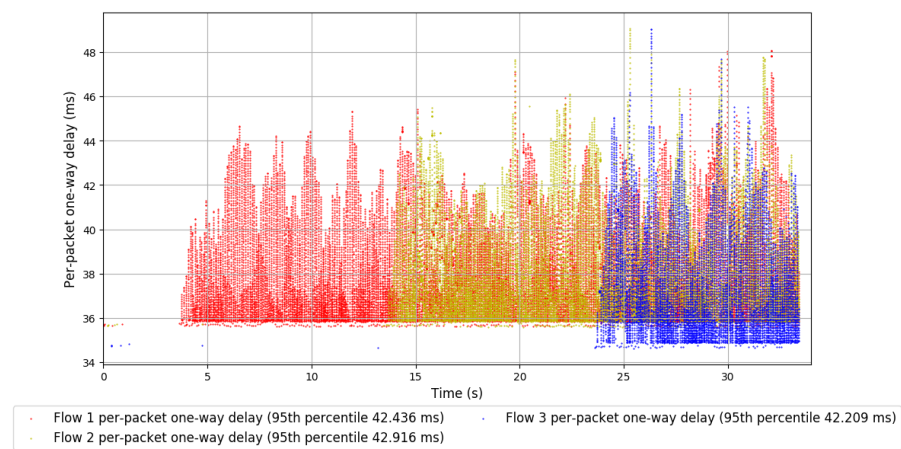
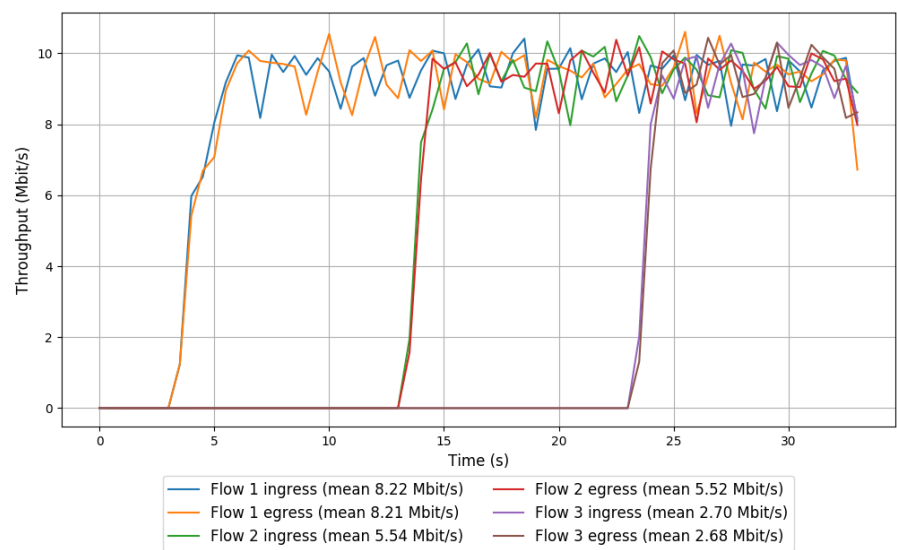
-- Flow 3:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 42.209 ms

Loss rate: 0.92%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Wed, 05 Jul 2017 01:17:19 +0000

End at: Wed, 05 Jul 2017 01:17:49 +0000

Local clock offset: 0.407 ms

Remote clock offset: -5.957 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 16.30 Mbit/s

95th percentile per-packet one-way delay: 43.218 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 8.29 Mbit/s

95th percentile per-packet one-way delay: 43.377 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 5.50 Mbit/s

95th percentile per-packet one-way delay: 43.450 ms

Loss rate: 0.46%

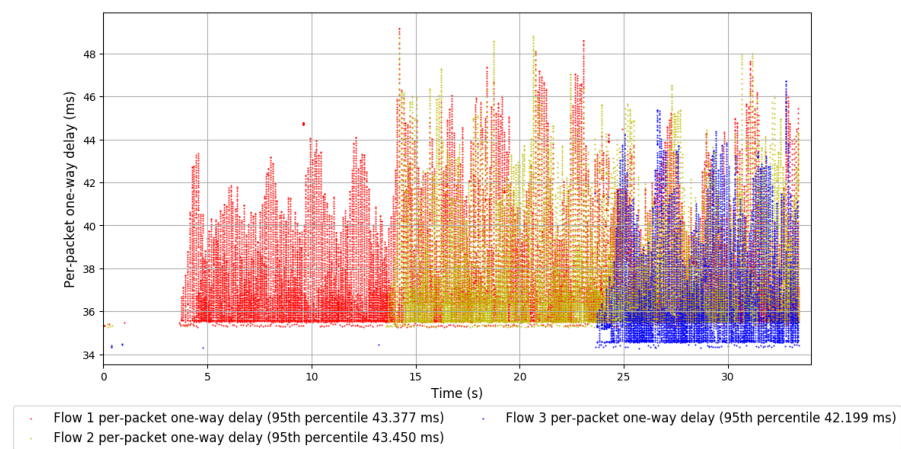
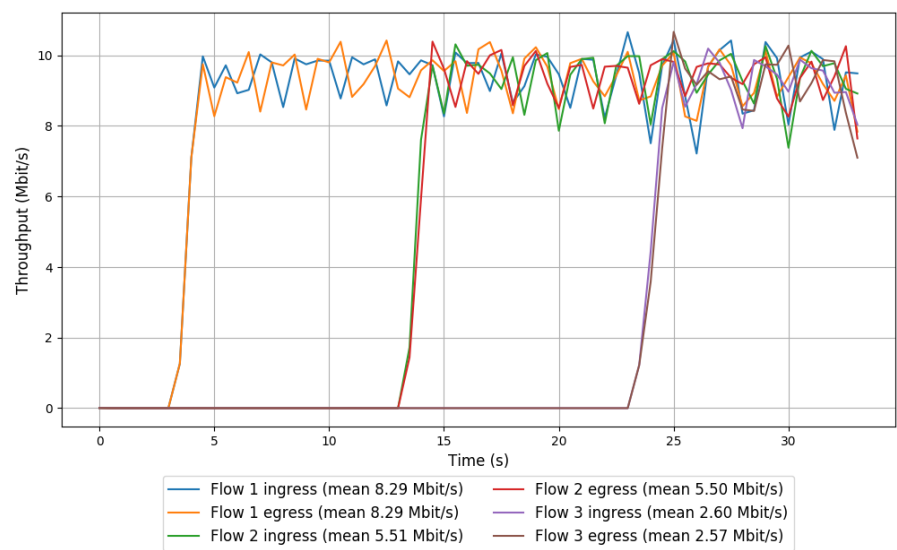
-- Flow 3:

Average throughput: 2.57 Mbit/s

95th percentile per-packet one-way delay: 42.199 ms

Loss rate: 1.18%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:16:16 +0000

End at: Tue, 04 Jul 2017 22:16:46 +0000

Local clock offset: 0.007 ms

Remote clock offset: -3.715 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:35 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.51 Mbit/s

95th percentile per-packet one-way delay: 75.626 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 49.29 Mbit/s

95th percentile per-packet one-way delay: 56.196 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 21.41 Mbit/s

95th percentile per-packet one-way delay: 76.085 ms

Loss rate: 0.48%

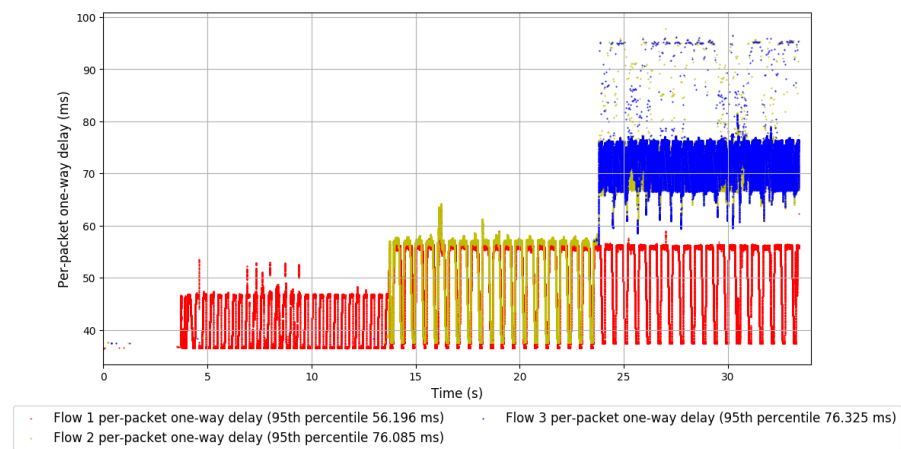
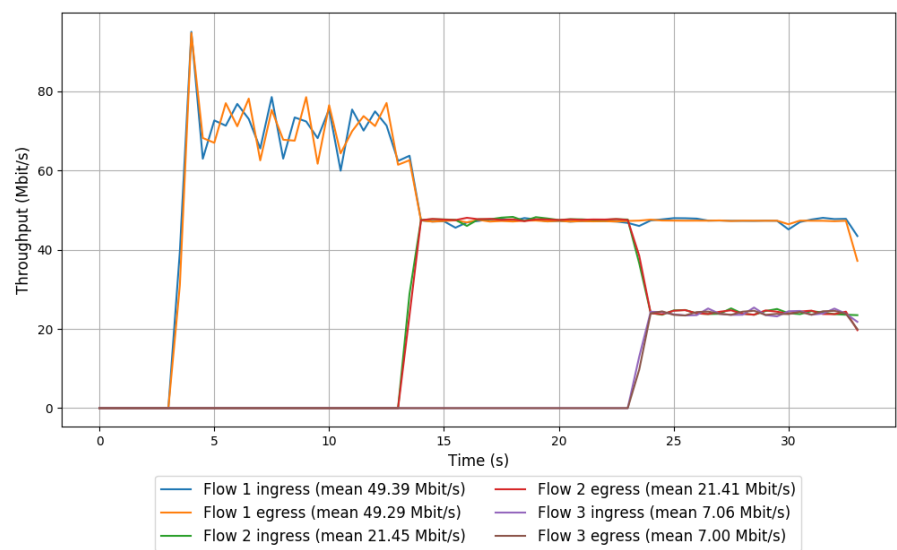
-- Flow 3:

Average throughput: 7.00 Mbit/s

95th percentile per-packet one-way delay: 76.325 ms

Loss rate: 1.23%

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



Run 2: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:36:53 +0000

End at: Tue, 04 Jul 2017 22:37:23 +0000

Local clock offset: 0.144 ms

Remote clock offset: -1.593 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.46 Mbit/s

95th percentile per-packet one-way delay: 67.130 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 44.91 Mbit/s

95th percentile per-packet one-way delay: 67.101 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 23.49 Mbit/s

95th percentile per-packet one-way delay: 67.182 ms

Loss rate: 0.62%

-- Flow 3:

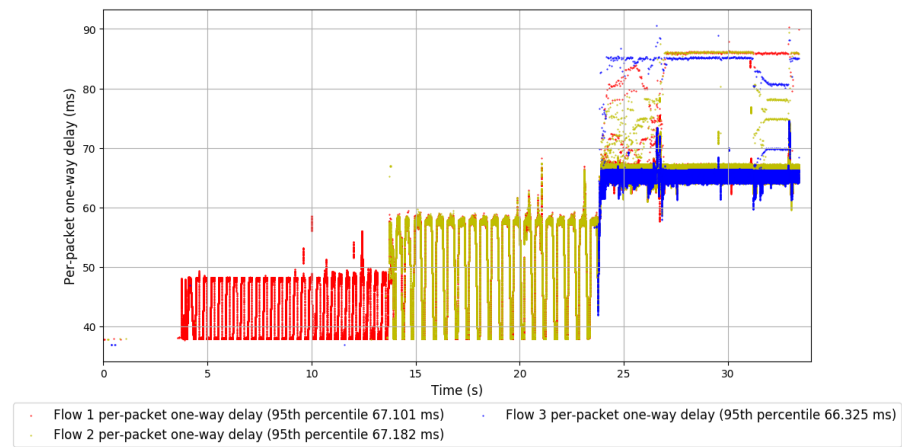
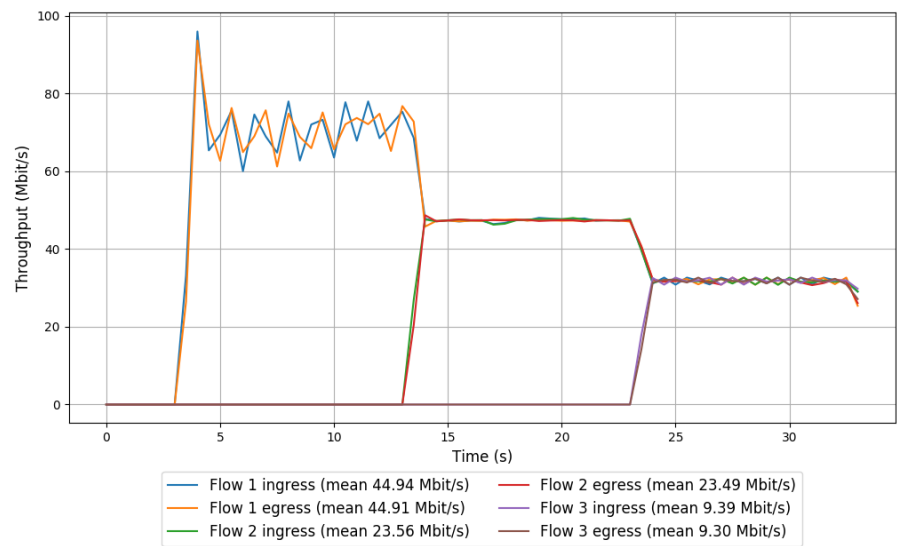
Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 66.325 ms

Loss rate: 1.22%



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



Run 3: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:57:27 +0000

End at: Tue, 04 Jul 2017 22:57:57 +0000

Local clock offset: -0.002 ms

Remote clock offset: -3.114 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.91 Mbit/s

95th percentile per-packet one-way delay: 67.554 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 45.28 Mbit/s

95th percentile per-packet one-way delay: 66.496 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 23.54 Mbit/s

95th percentile per-packet one-way delay: 67.671 ms

Loss rate: 0.66%

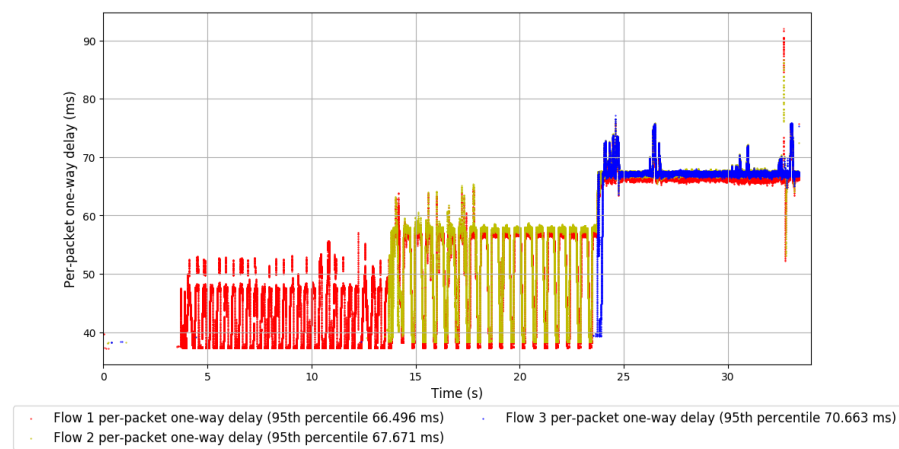
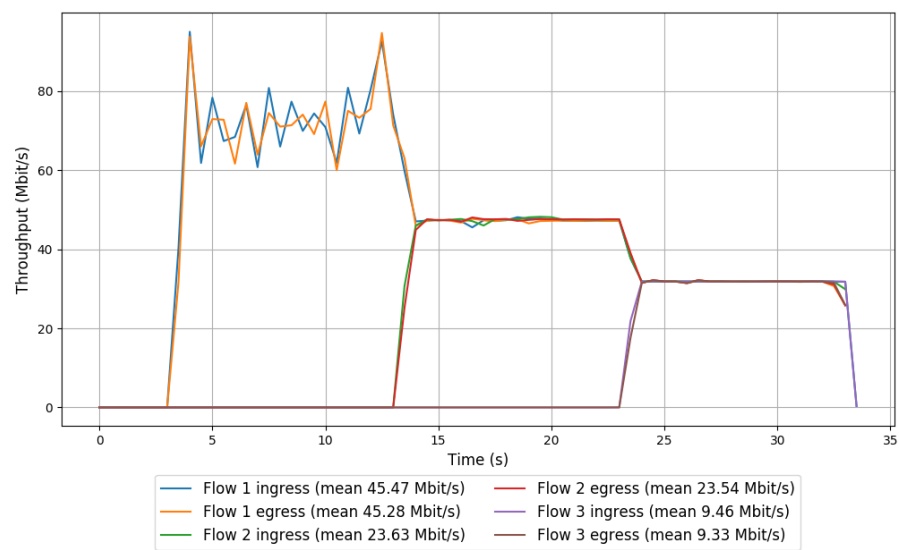
-- Flow 3:

Average throughput: 9.33 Mbit/s

95th percentile per-packet one-way delay: 70.663 ms

Loss rate: 1.78%

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



Run 4: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 23:18:10 +0000

End at: Tue, 04 Jul 2017 23:18:40 +0000

Local clock offset: -0.083 ms

Remote clock offset: -0.998 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:32:57 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.02 Mbit/s

95th percentile per-packet one-way delay: 77.013 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 42.39 Mbit/s

95th percentile per-packet one-way delay: 76.863 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 21.22 Mbit/s

95th percentile per-packet one-way delay: 77.353 ms

Loss rate: 0.56%

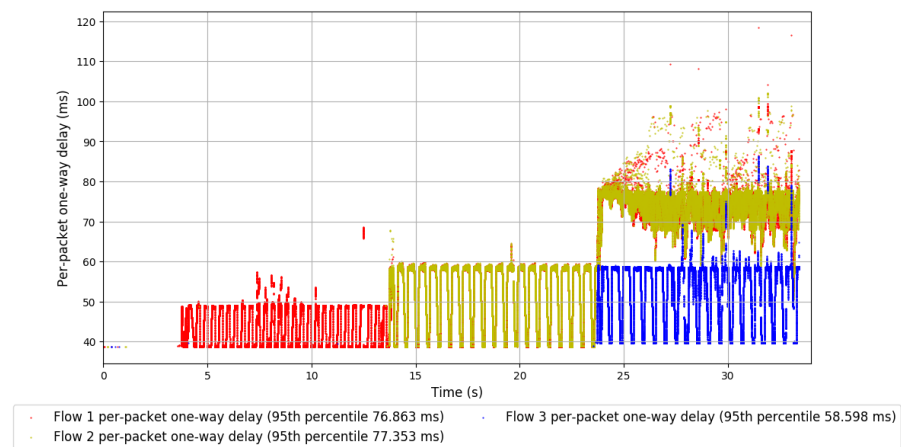
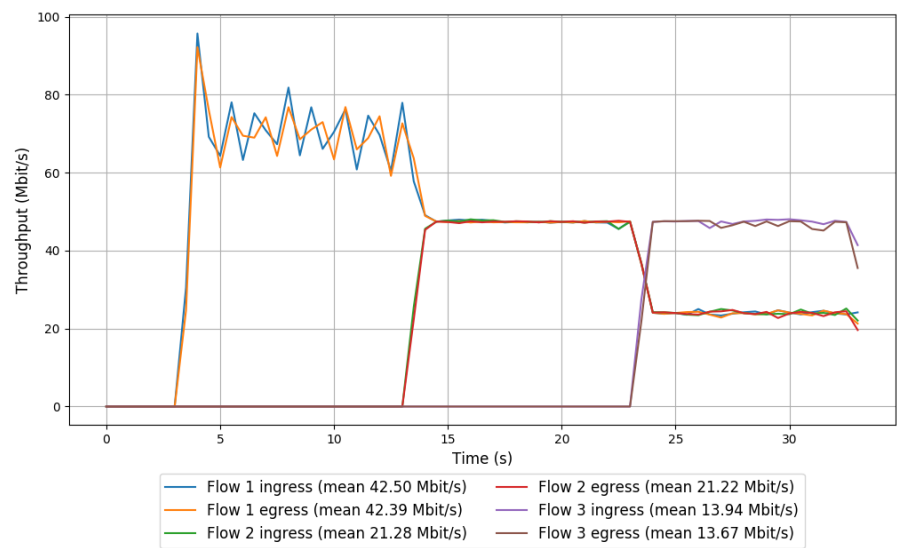
-- Flow 3:

Average throughput: 13.67 Mbit/s

95th percentile per-packet one-way delay: 58.598 ms

Loss rate: 2.13%

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



Run 5: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 23:38:44 +0000

End at: Tue, 04 Jul 2017 23:39:14 +0000

Local clock offset: -0.059 ms

Remote clock offset: 0.101 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:33:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.23 Mbit/s

95th percentile per-packet one-way delay: 68.142 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 44.85 Mbit/s

95th percentile per-packet one-way delay: 68.012 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 23.40 Mbit/s

95th percentile per-packet one-way delay: 68.183 ms

Loss rate: 0.84%

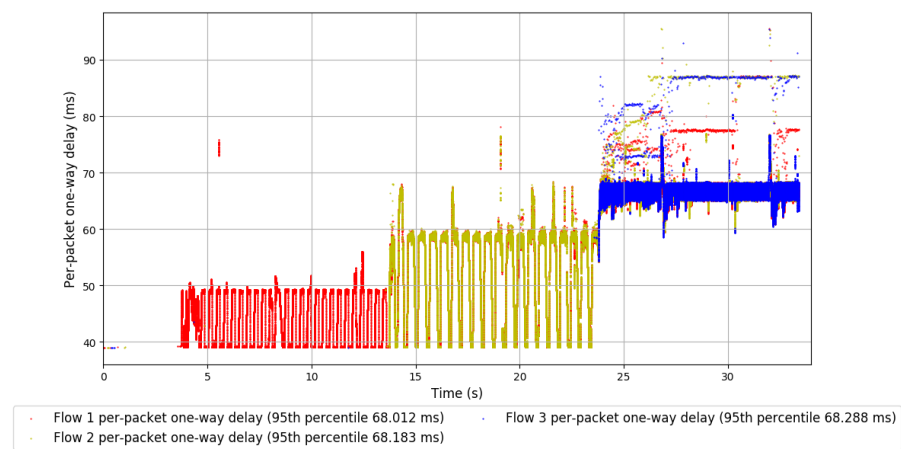
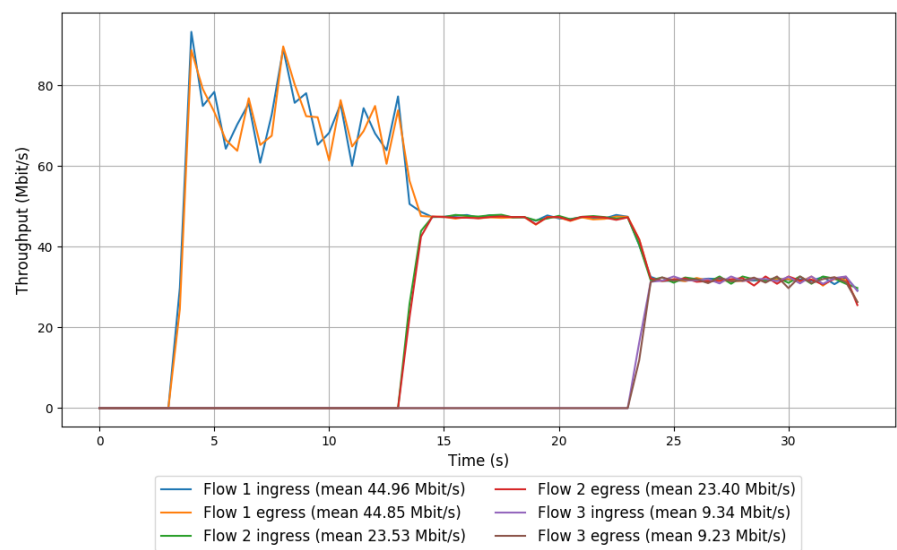
-- Flow 3:

Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 68.288 ms

Loss rate: 1.57%

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



Run 6: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 23:59:08 +0000

End at: Tue, 04 Jul 2017 23:59:38 +0000

Local clock offset: -0.006 ms

Remote clock offset: -2.989 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:33:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.30 Mbit/s

95th percentile per-packet one-way delay: 76.626 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 42.66 Mbit/s

95th percentile per-packet one-way delay: 76.474 ms

Loss rate: 0.91%

-- Flow 2:

Average throughput: 21.21 Mbit/s

95th percentile per-packet one-way delay: 76.952 ms

Loss rate: 0.98%

-- Flow 3:

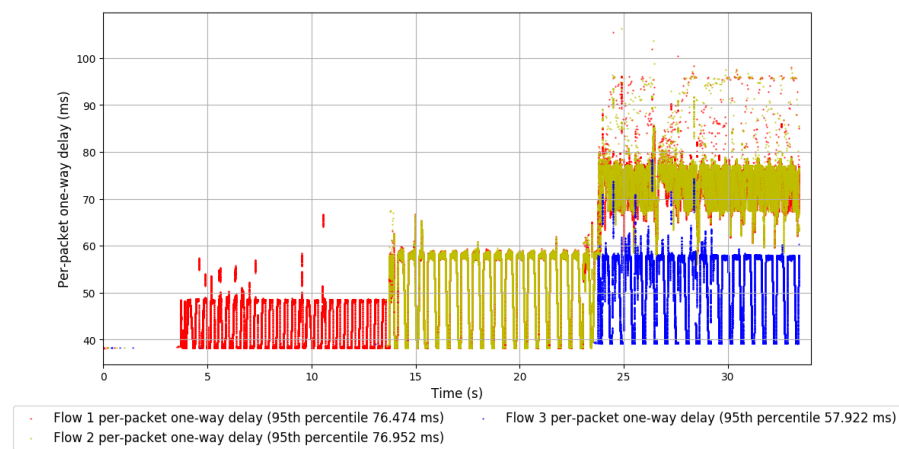
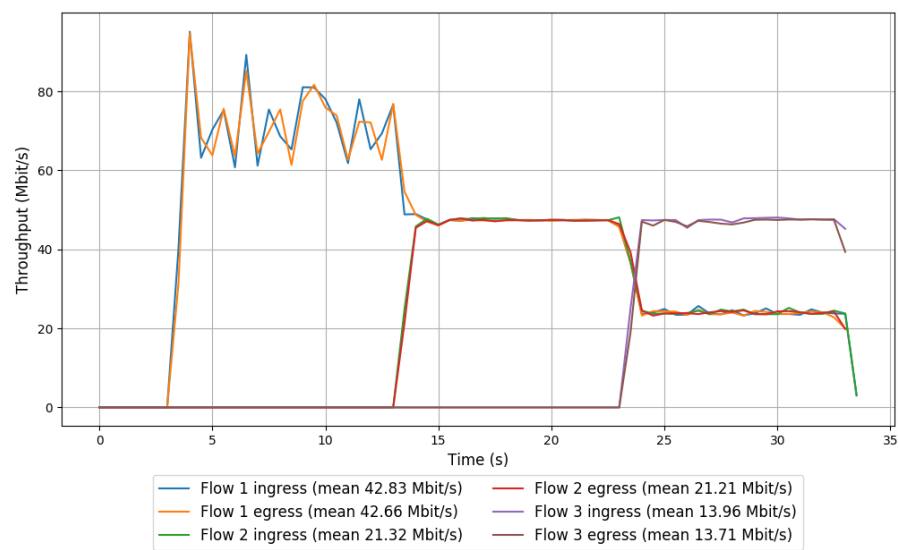
Average throughput: 13.71 Mbit/s

95th percentile per-packet one-way delay: 57.922 ms

Loss rate: 2.05%



Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 00:19:40 +0000

End at: Wed, 05 Jul 2017 00:20:10 +0000

Local clock offset: 0.08 ms

Remote clock offset: -1.076 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:33:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.83 Mbit/s

95th percentile per-packet one-way delay: 74.861 ms

Loss rate: 0.82%

-- Flow 1:

Average throughput: 42.15 Mbit/s

95th percentile per-packet one-way delay: 75.211 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 27.88 Mbit/s

95th percentile per-packet one-way delay: 56.540 ms

Loss rate: 0.96%

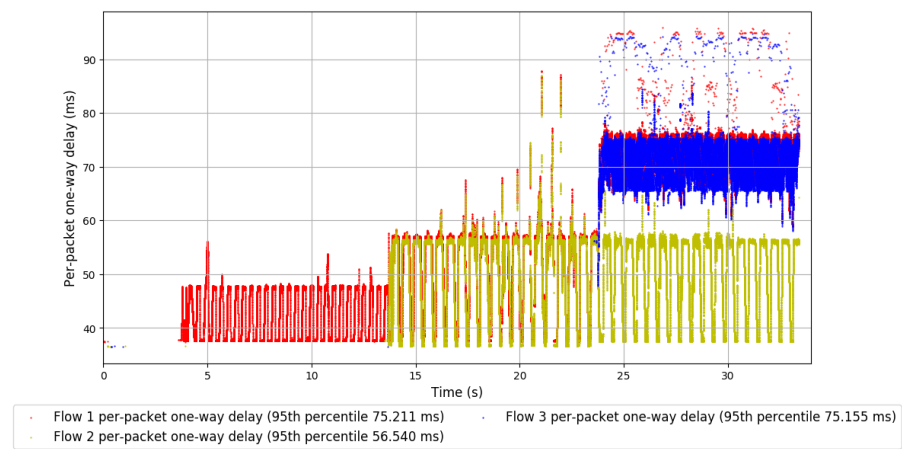
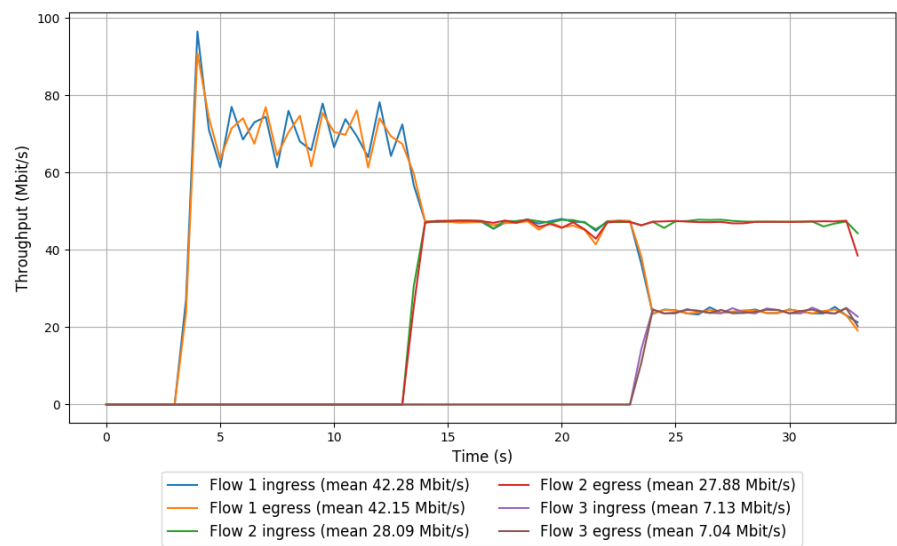
-- Flow 3:

Average throughput: 7.04 Mbit/s

95th percentile per-packet one-way delay: 75.155 ms

Loss rate: 1.42%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 00:40:17 +0000

End at: Wed, 05 Jul 2017 00:40:47 +0000

Local clock offset: 0.293 ms

Remote clock offset: -2.402 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:33:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.38 Mbit/s

95th percentile per-packet one-way delay: 74.160 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 42.64 Mbit/s

95th percentile per-packet one-way delay: 73.874 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 27.95 Mbit/s

95th percentile per-packet one-way delay: 55.281 ms

Loss rate: 1.50%

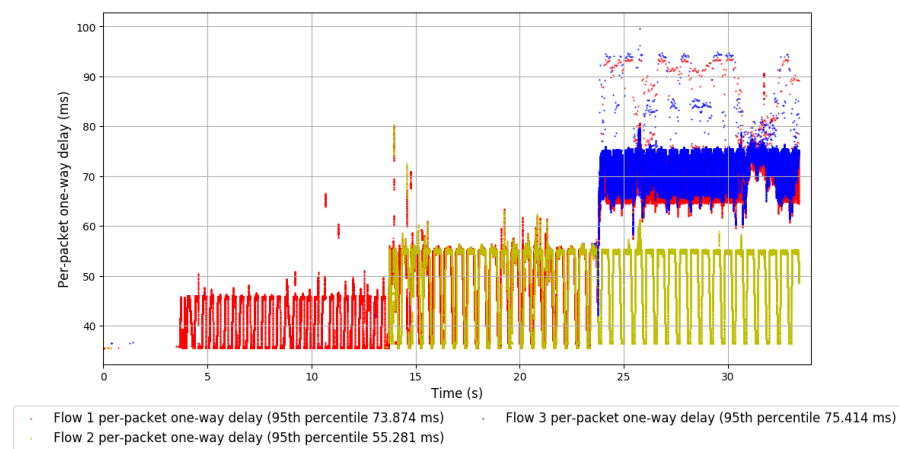
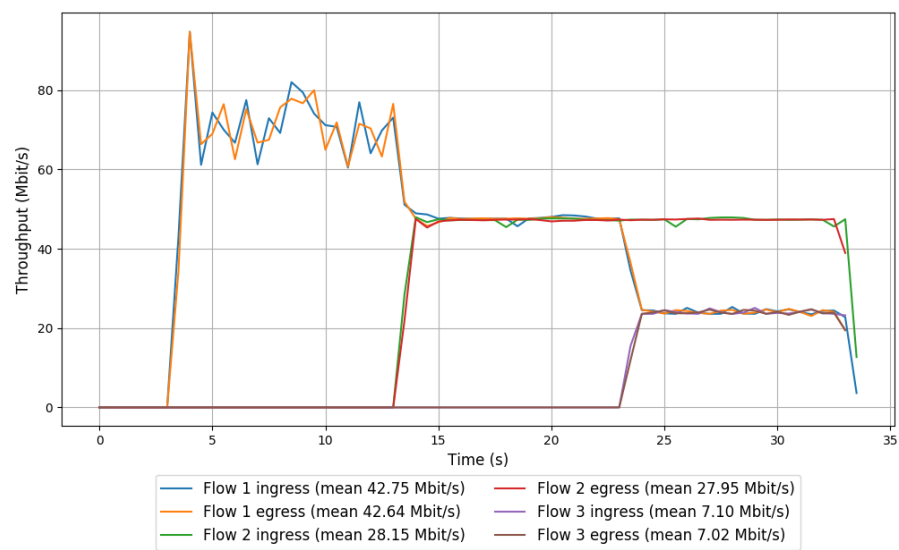
-- Flow 3:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 75.414 ms

Loss rate: 1.52%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 01:00:53 +0000

End at: Wed, 05 Jul 2017 01:01:23 +0000

Local clock offset: 0.373 ms

Remote clock offset: -3.256 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:33:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.61 Mbit/s

95th percentile per-packet one-way delay: 73.764 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 49.48 Mbit/s

95th percentile per-packet one-way delay: 54.461 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 21.29 Mbit/s

95th percentile per-packet one-way delay: 74.158 ms

Loss rate: 0.70%

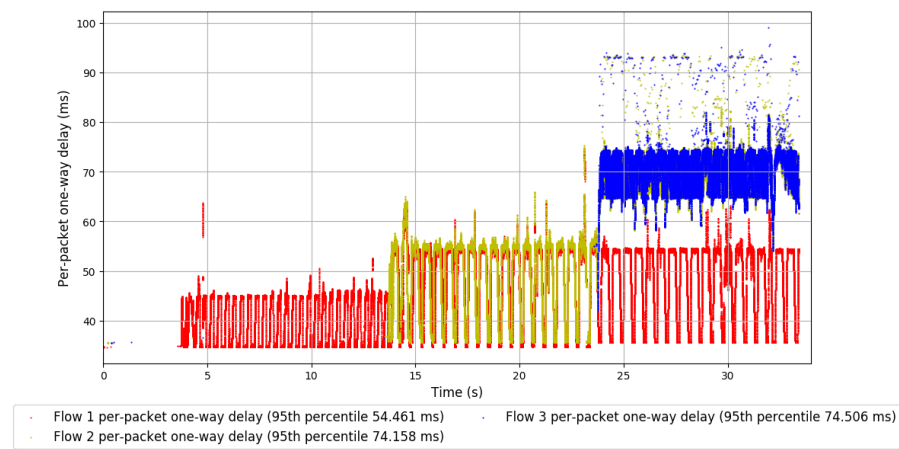
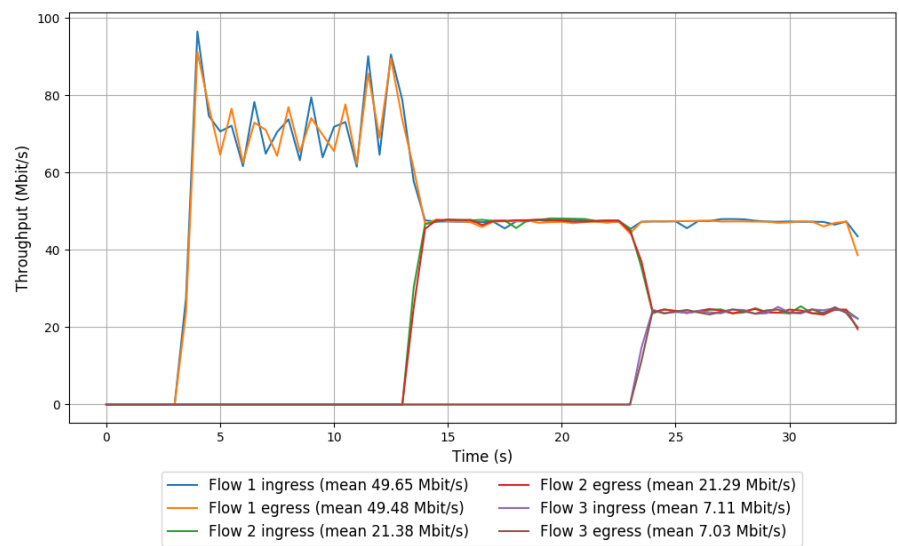
-- Flow 3:

Average throughput: 7.03 Mbit/s

95th percentile per-packet one-way delay: 74.506 ms

Loss rate: 1.32%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 01:21:23 +0000

End at: Wed, 05 Jul 2017 01:21:53 +0000

Local clock offset: 0.446 ms

Remote clock offset: -5.306 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:34:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.39 Mbit/s

95th percentile per-packet one-way delay: 73.119 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 42.62 Mbit/s

95th percentile per-packet one-way delay: 73.562 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 27.96 Mbit/s

95th percentile per-packet one-way delay: 55.608 ms

Loss rate: 0.58%

-- Flow 3:

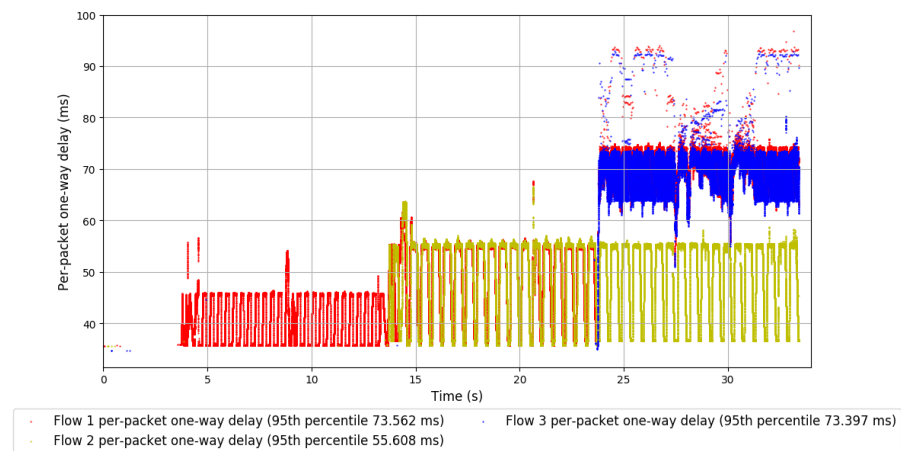
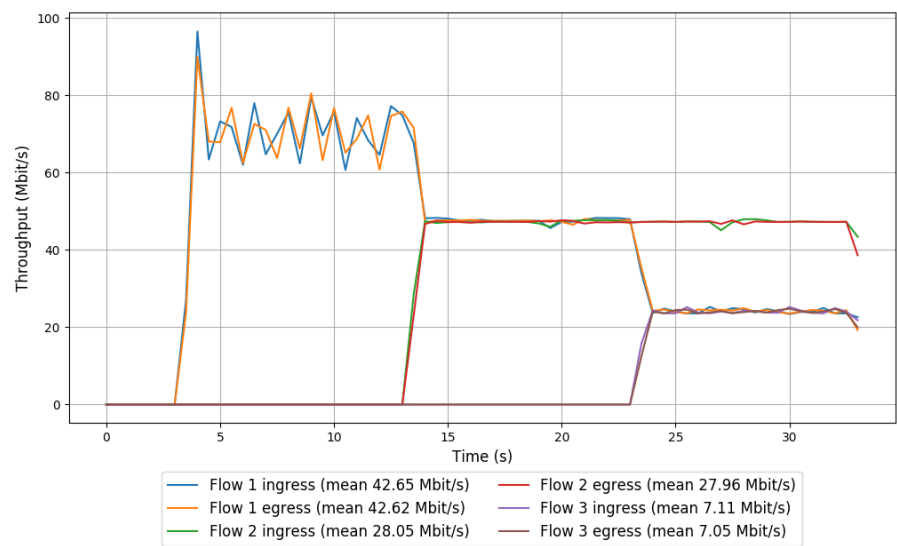
Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 73.397 ms

Loss rate: 1.16%



Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:02:30 +0000

End at: Tue, 04 Jul 2017 22:03:00 +0000

Local clock offset: 0.211 ms

Remote clock offset: -1.337 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:34:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.78 Mbit/s

95th percentile per-packet one-way delay: 60.772 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 36.97 Mbit/s

95th percentile per-packet one-way delay: 53.384 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 19.24 Mbit/s

95th percentile per-packet one-way delay: 56.848 ms

Loss rate: 0.49%

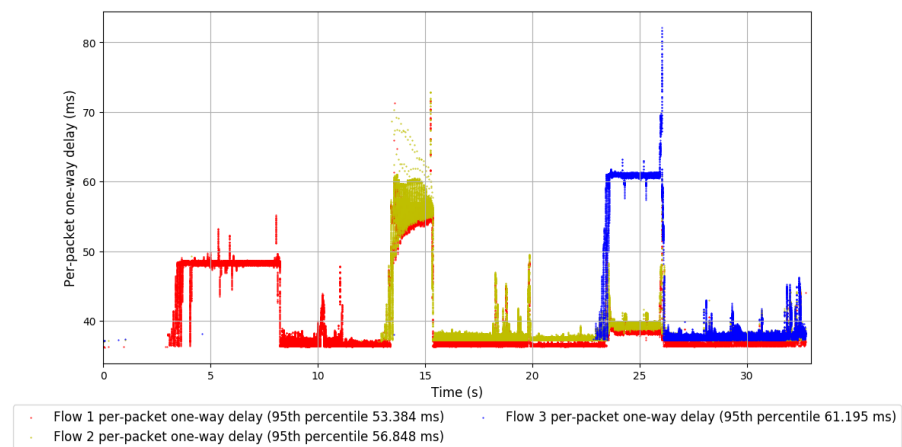
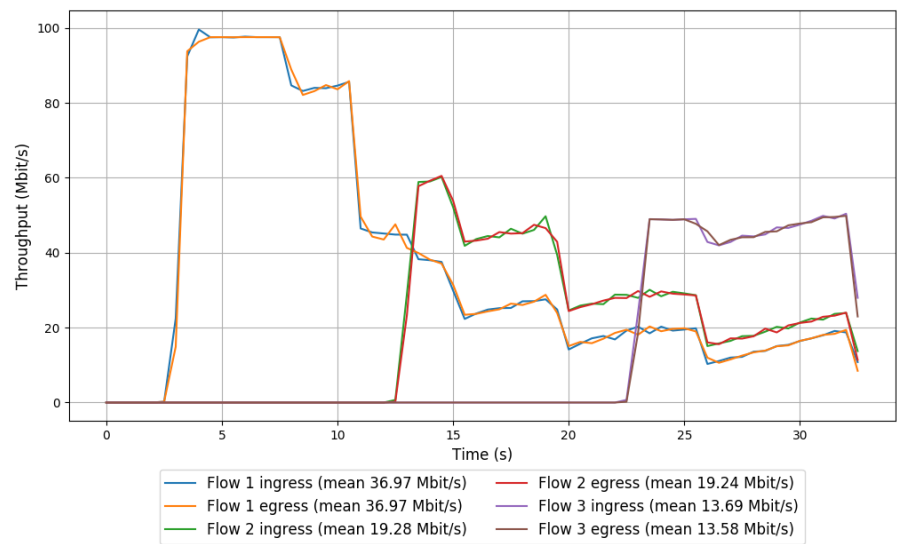
-- Flow 3:

Average throughput: 13.58 Mbit/s

95th percentile per-packet one-way delay: 61.195 ms

Loss rate: 1.09%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:23:04 +0000

End at: Tue, 04 Jul 2017 22:23:34 +0000

Local clock offset: 0.075 ms

Remote clock offset: -1.177 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:34:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.76 Mbit/s

95th percentile per-packet one-way delay: 72.478 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 41.22 Mbit/s

95th percentile per-packet one-way delay: 46.107 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 23.48 Mbit/s

95th percentile per-packet one-way delay: 72.962 ms

Loss rate: 0.46%

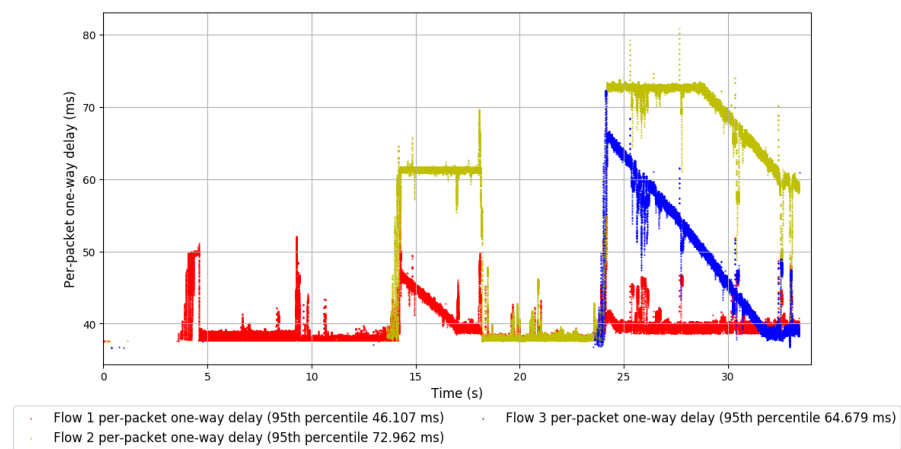
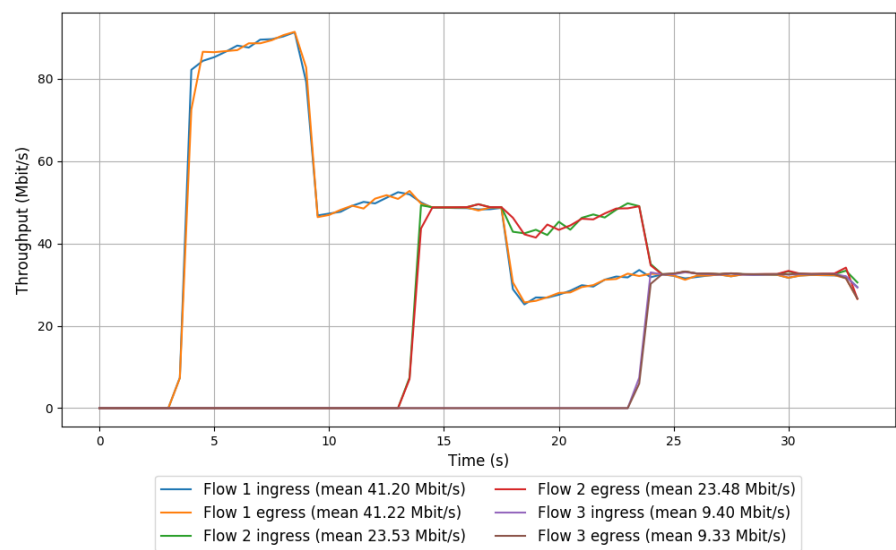
-- Flow 3:

Average throughput: 9.33 Mbit/s

95th percentile per-packet one-way delay: 64.679 ms

Loss rate: 0.92%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:43:42 +0000

End at: Tue, 04 Jul 2017 22:44:12 +0000

Local clock offset: 0.149 ms

Remote clock offset: -1.61 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:34:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.46 Mbit/s

95th percentile per-packet one-way delay: 62.011 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 51.58 Mbit/s

95th percentile per-packet one-way delay: 61.925 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 23.12 Mbit/s

95th percentile per-packet one-way delay: 62.655 ms

Loss rate: 0.24%

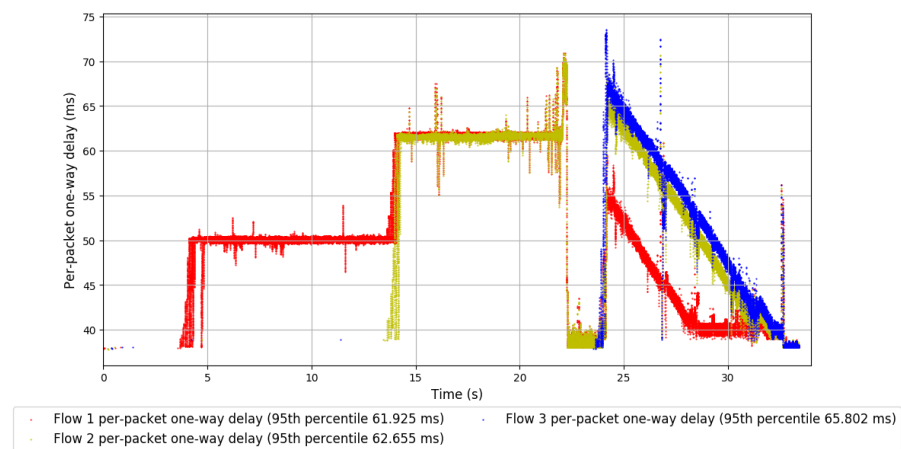
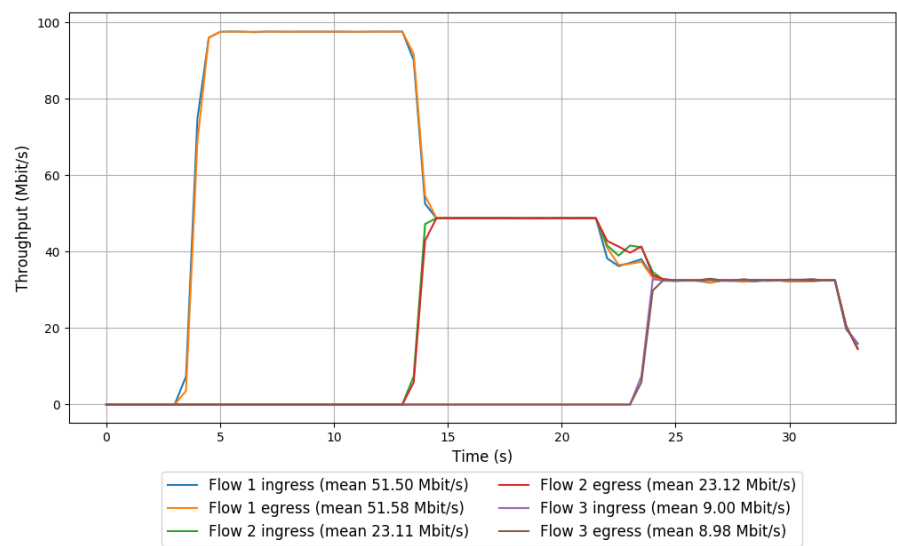
-- Flow 3:

Average throughput: 8.98 Mbit/s

95th percentile per-packet one-way delay: 65.802 ms

Loss rate: 0.53%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:04:19 +0000

End at: Tue, 04 Jul 2017 23:04:49 +0000

Local clock offset: -0.082 ms

Remote clock offset: -3.315 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:34:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 50.48 Mbit/s

95th percentile per-packet one-way delay: 53.543 ms

Loss rate: 0.64%

-- Flow 1:

Average throughput: 27.41 Mbit/s

95th percentile per-packet one-way delay: 50.710 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 13.27 Mbit/s

95th percentile per-packet one-way delay: 53.648 ms

Loss rate: 0.47%

-- Flow 3:

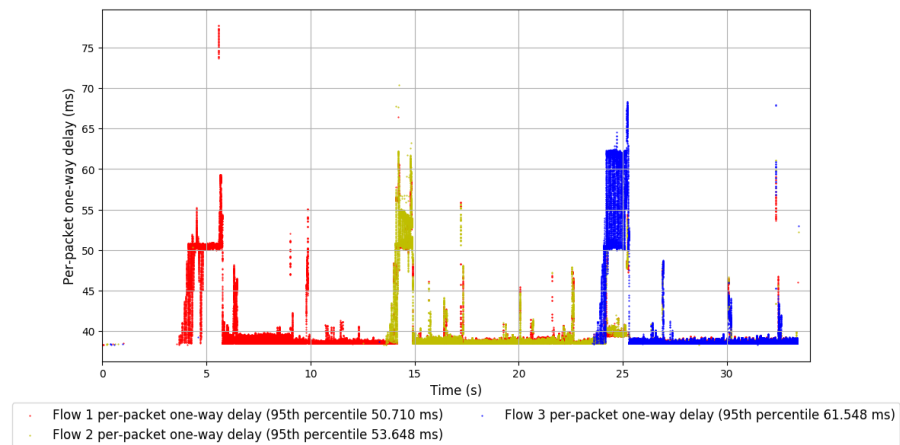
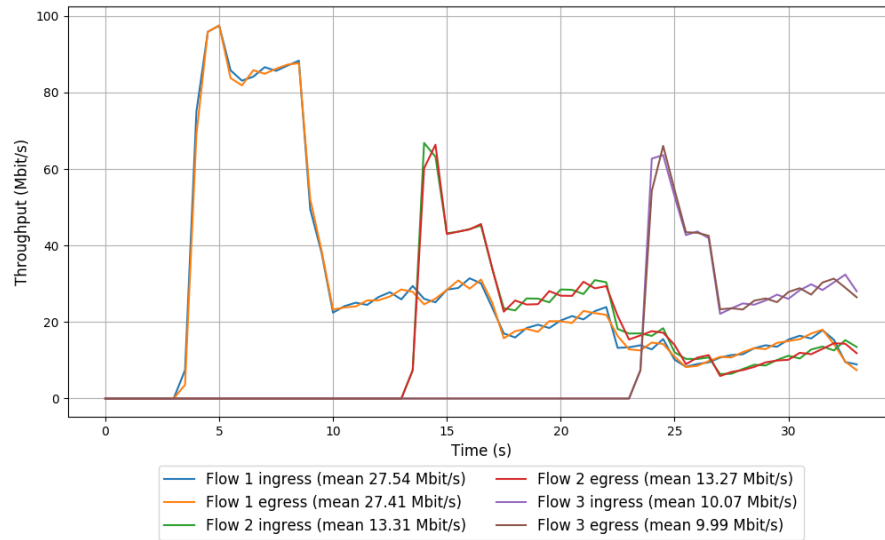
Average throughput: 9.99 Mbit/s

95th percentile per-packet one-way delay: 61.548 ms

Loss rate: 0.98%



# Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:24:56 +0000

End at: Tue, 04 Jul 2017 23:25:26 +0000

Local clock offset: -0.15 ms

Remote clock offset: -0.105 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:34:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.36 Mbit/s

95th percentile per-packet one-way delay: 58.402 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 20.03 Mbit/s

95th percentile per-packet one-way delay: 50.988 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 19.99 Mbit/s

95th percentile per-packet one-way delay: 51.857 ms

Loss rate: 0.45%

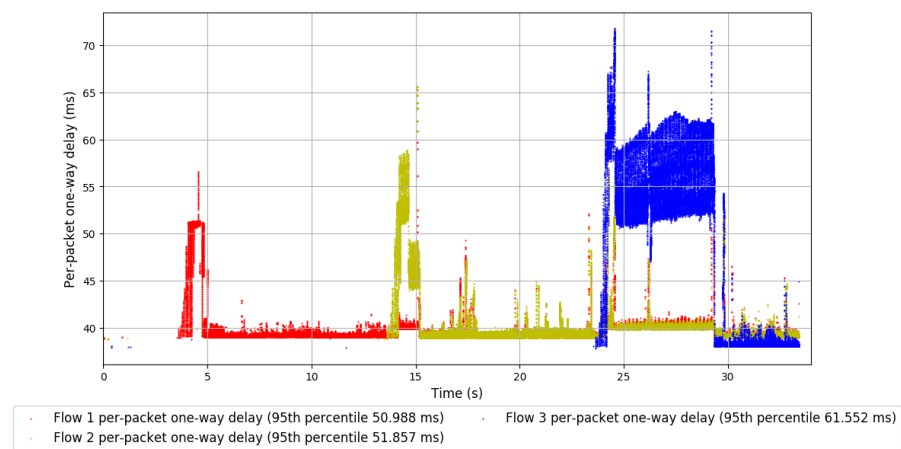
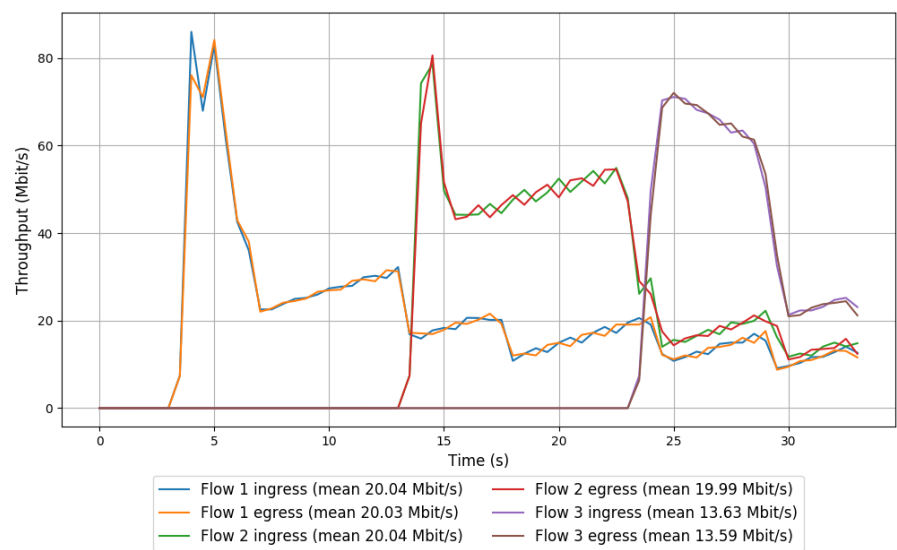
-- Flow 3:

Average throughput: 13.59 Mbit/s

95th percentile per-packet one-way delay: 61.552 ms

Loss rate: 0.55%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:45:30 +0000

End at: Tue, 04 Jul 2017 23:46:00 +0000

Local clock offset: -0.072 ms

Remote clock offset: -0.666 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:34:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 51.11 Mbit/s

95th percentile per-packet one-way delay: 62.256 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 7.49 Mbit/s

95th percentile per-packet one-way delay: 50.967 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 30.95 Mbit/s

95th percentile per-packet one-way delay: 52.607 ms

Loss rate: 0.32%

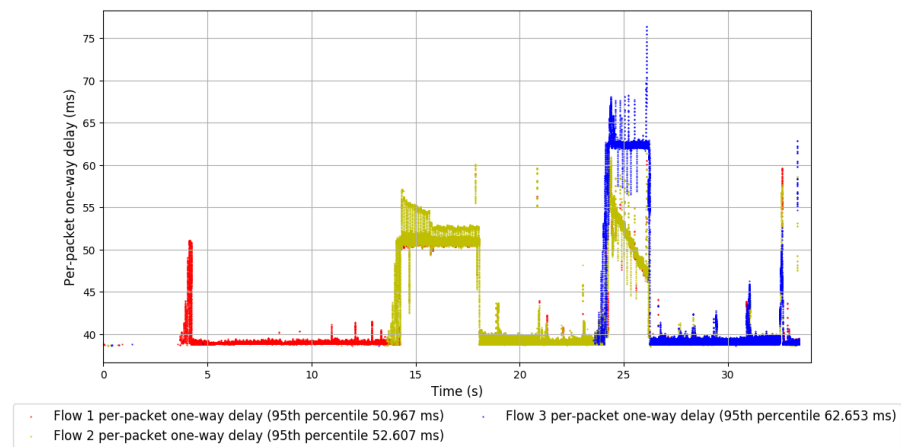
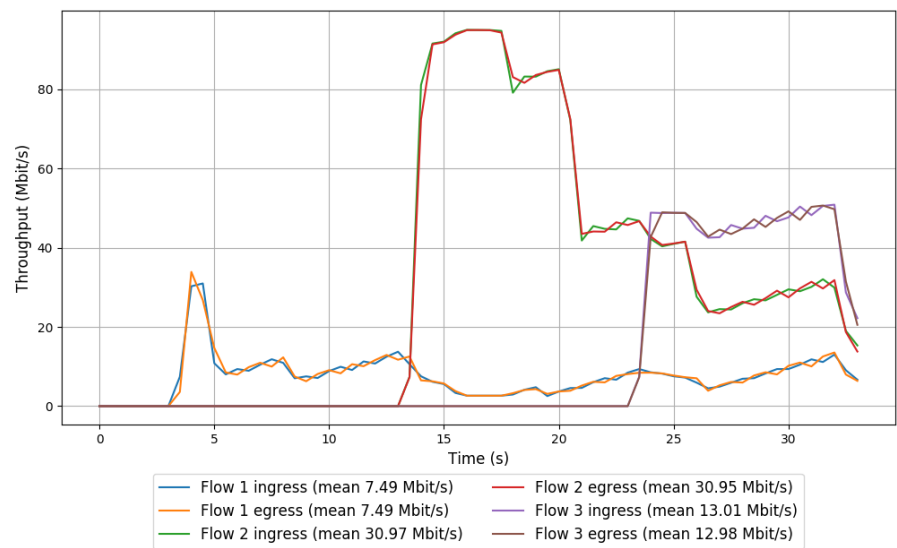
-- Flow 3:

Average throughput: 12.98 Mbit/s

95th percentile per-packet one-way delay: 62.653 ms

Loss rate: 0.47%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 00:05:55 +0000

End at: Wed, 05 Jul 2017 00:06:25 +0000

Local clock offset: 0.063 ms

Remote clock offset: -1.47 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:34:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 72.02 Mbit/s

95th percentile per-packet one-way delay: 78.036 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 34.82 Mbit/s

95th percentile per-packet one-way delay: 75.792 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 24.86 Mbit/s

95th percentile per-packet one-way delay: 81.020 ms

Loss rate: 0.47%

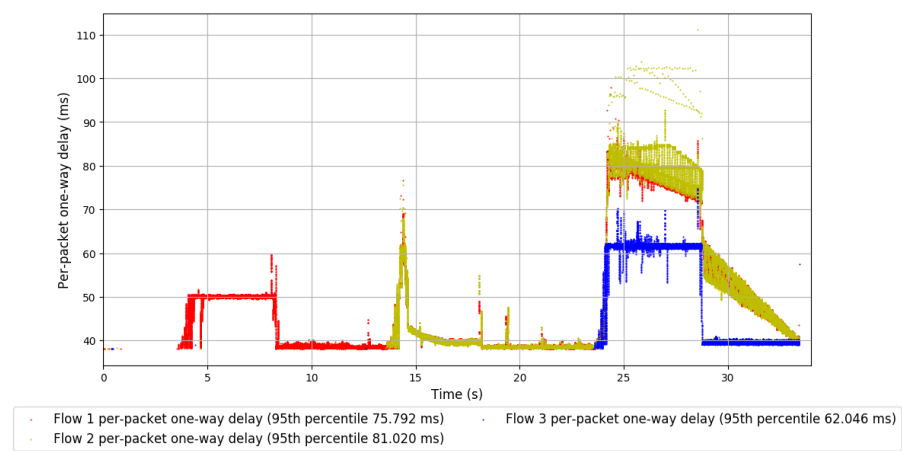
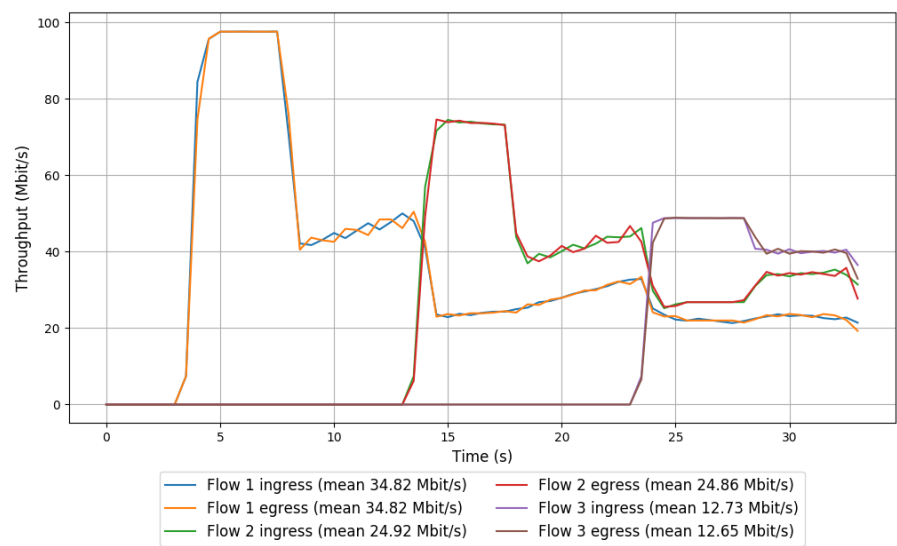
-- Flow 3:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 62.046 ms

Loss rate: 0.88%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 00:26:28 +0000

End at: Wed, 05 Jul 2017 00:26:58 +0000

Local clock offset: 0.221 ms

Remote clock offset: -2.105 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:34:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 52.58 Mbit/s

95th percentile per-packet one-way delay: 49.786 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 22.91 Mbit/s

95th percentile per-packet one-way delay: 49.085 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 26.84 Mbit/s

95th percentile per-packet one-way delay: 50.801 ms

Loss rate: 0.49%

-- Flow 3:

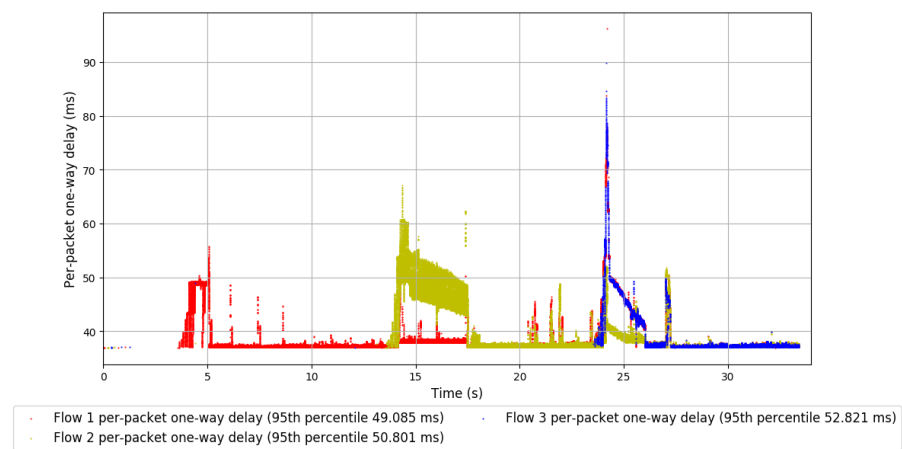
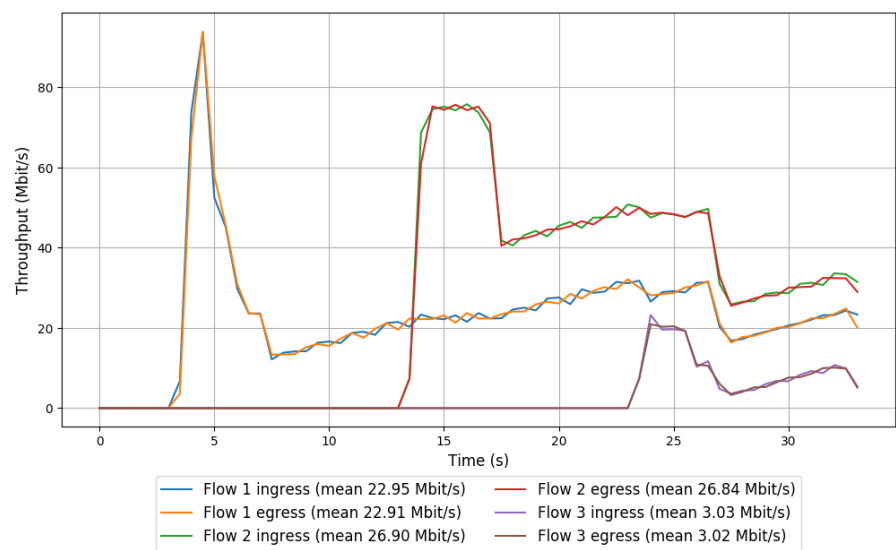
Average throughput: 3.02 Mbit/s

95th percentile per-packet one-way delay: 52.821 ms

Loss rate: 0.67%



Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 00:47:05 +0000

End at: Wed, 05 Jul 2017 00:47:35 +0000

Local clock offset: 0.198 ms

Remote clock offset: -4.932 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:34:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.90 Mbit/s

95th percentile per-packet one-way delay: 59.313 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 43.75 Mbit/s

95th percentile per-packet one-way delay: 56.568 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 23.77 Mbit/s

95th percentile per-packet one-way delay: 58.962 ms

Loss rate: 0.38%

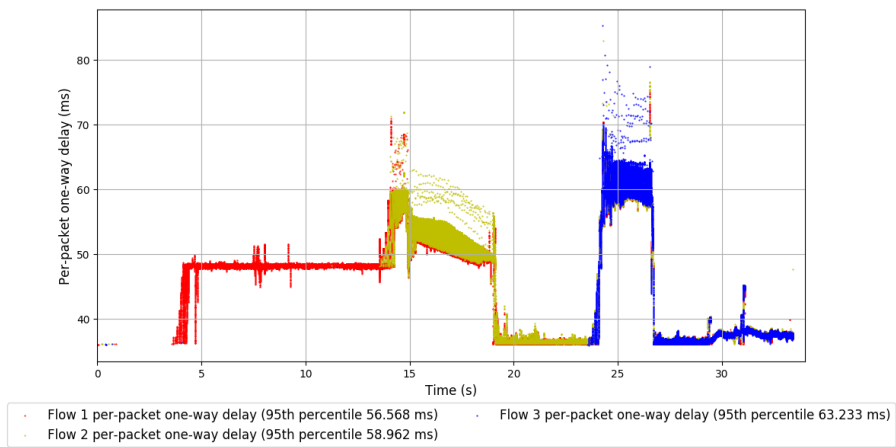
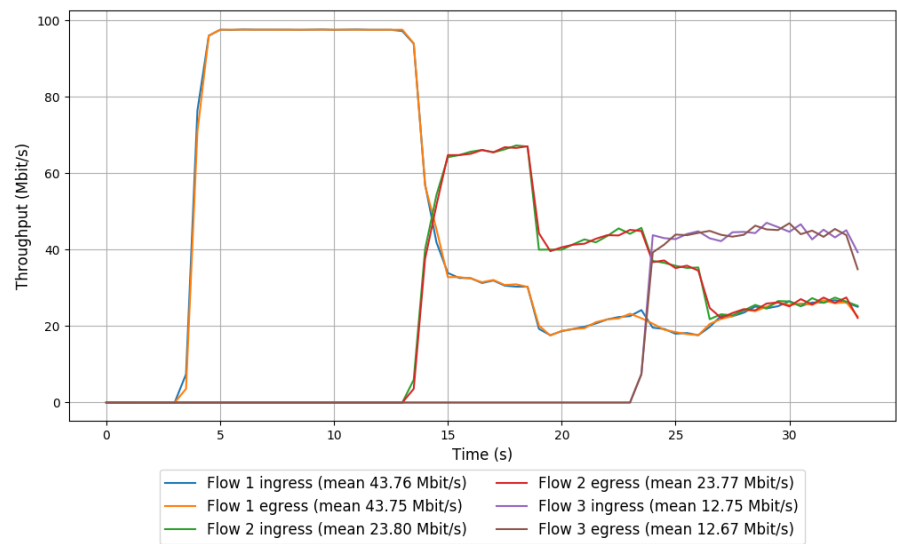
-- Flow 3:

Average throughput: 12.67 Mbit/s

95th percentile per-packet one-way delay: 63.233 ms

Loss rate: 0.96%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 01:07:40 +0000

End at: Wed, 05 Jul 2017 01:08:10 +0000

Local clock offset: 0.414 ms

Remote clock offset: -3.336 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:34:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.33 Mbit/s

95th percentile per-packet one-way delay: 67.858 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 37.25 Mbit/s

95th percentile per-packet one-way delay: 47.485 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 25.77 Mbit/s

95th percentile per-packet one-way delay: 67.770 ms

Loss rate: 0.51%

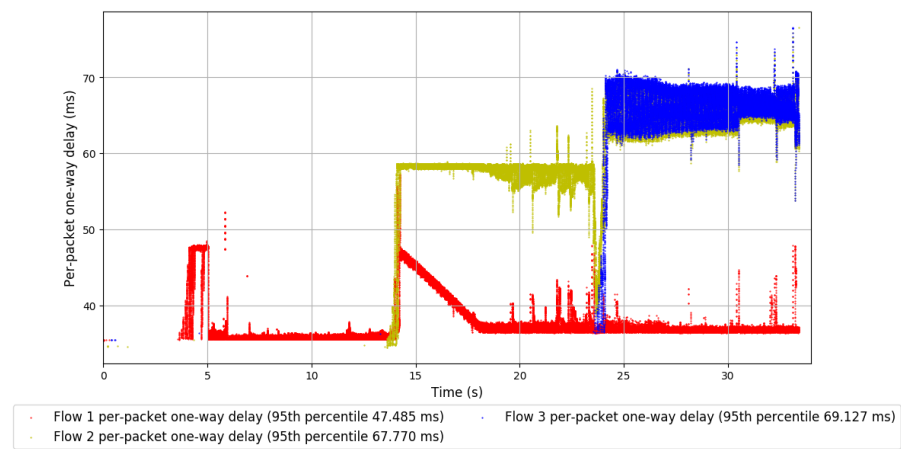
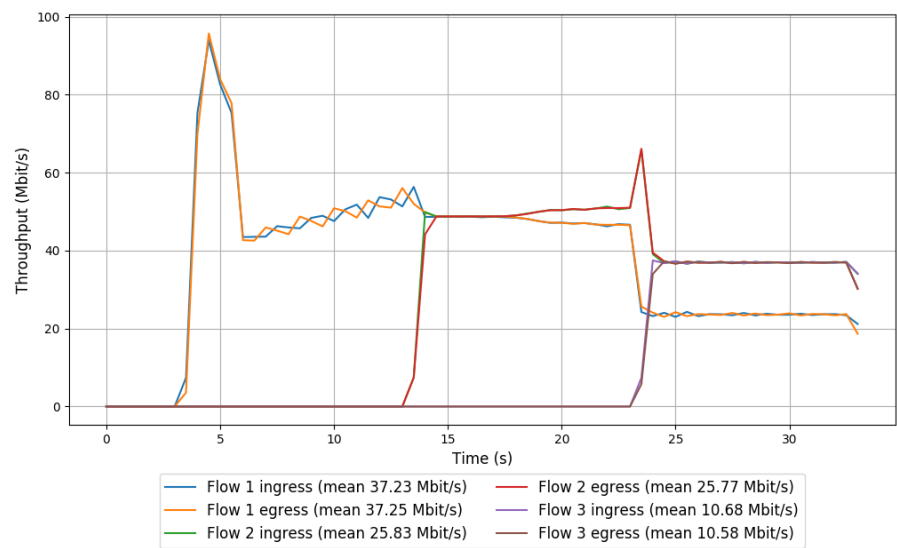
-- Flow 3:

Average throughput: 10.58 Mbit/s

95th percentile per-packet one-way delay: 69.127 ms

Loss rate: 1.24%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:05:17 +0000

End at: Tue, 04 Jul 2017 22:05:47 +0000

Local clock offset: 0.205 ms

Remote clock offset: -1.849 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.44 Mbit/s

95th percentile per-packet one-way delay: 81.766 ms

Loss rate: 0.68%

-- Flow 1:

Average throughput: 52.45 Mbit/s

95th percentile per-packet one-way delay: 60.727 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 17.85 Mbit/s

95th percentile per-packet one-way delay: 83.147 ms

Loss rate: 1.10%

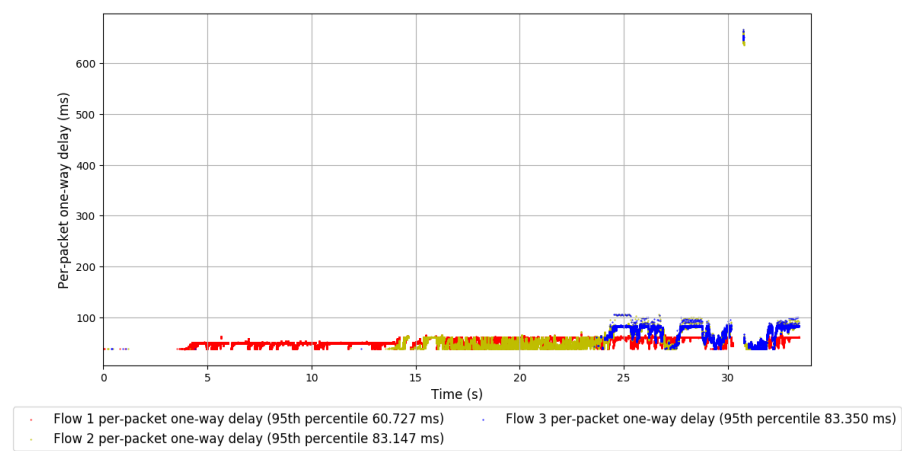
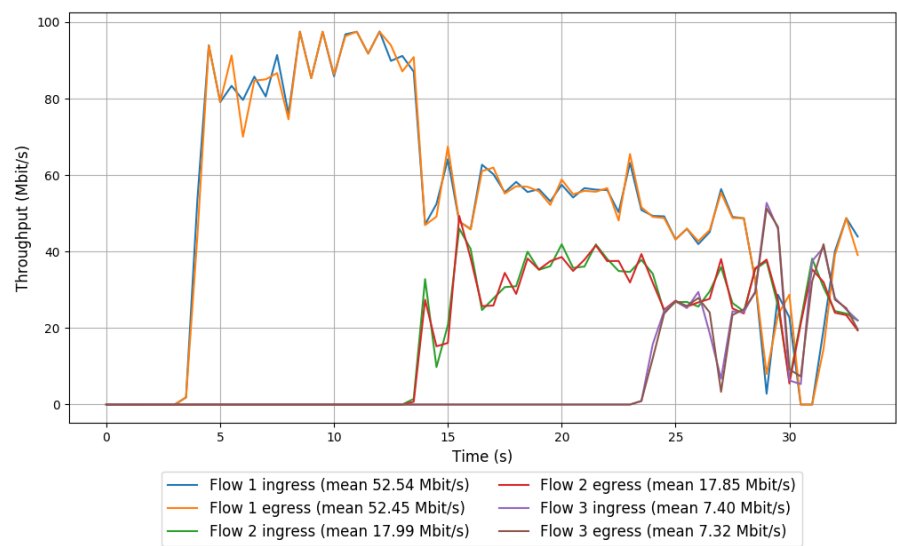
-- Flow 3:

Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 83.350 ms

Loss rate: 1.41%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:25:51 +0000

End at: Tue, 04 Jul 2017 22:26:21 +0000

Local clock offset: 0.008 ms

Remote clock offset: -1.497 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.16 Mbit/s

95th percentile per-packet one-way delay: 72.566 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 47.69 Mbit/s

95th percentile per-packet one-way delay: 72.530 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 23.35 Mbit/s

95th percentile per-packet one-way delay: 72.616 ms

Loss rate: 0.78%

-- Flow 3:

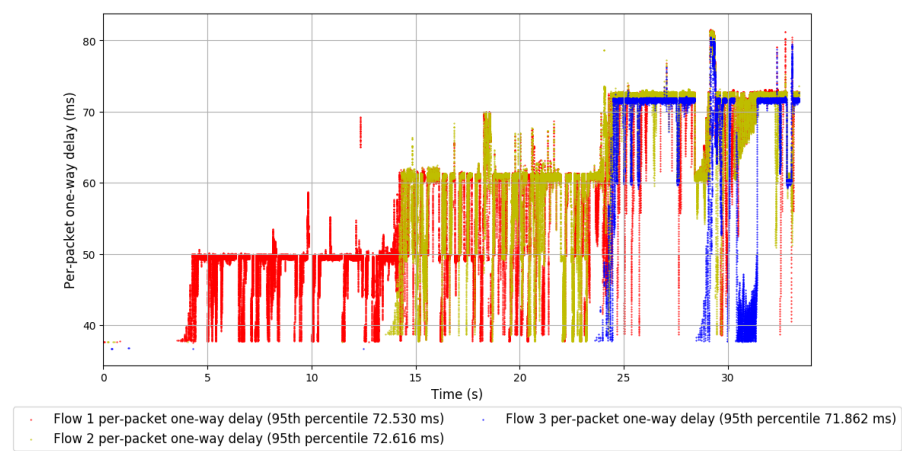
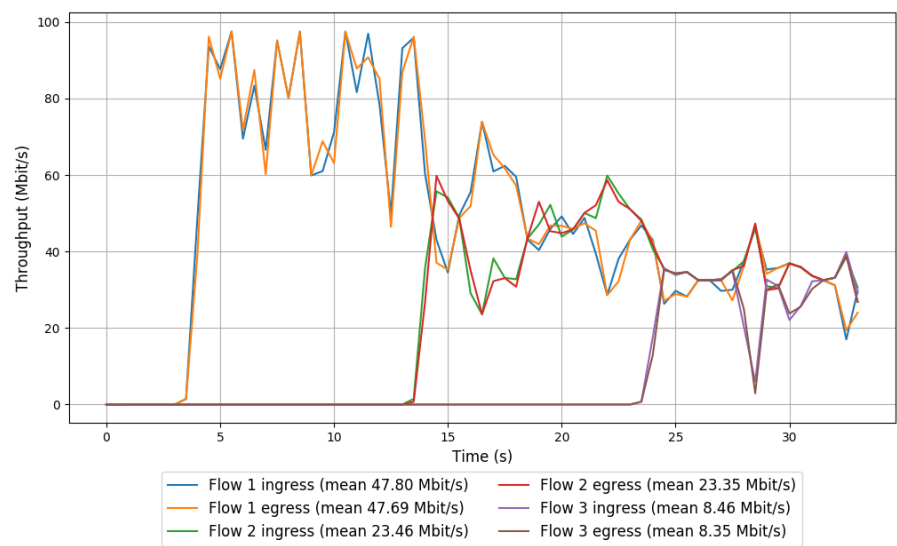
Average throughput: 8.35 Mbit/s

95th percentile per-packet one-way delay: 71.862 ms

Loss rate: 1.60%



Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:46:30 +0000

End at: Tue, 04 Jul 2017 22:47:00 +0000

Local clock offset: 0.063 ms

Remote clock offset: -0.635 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.16 Mbit/s

95th percentile per-packet one-way delay: 72.937 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 46.36 Mbit/s

95th percentile per-packet one-way delay: 72.937 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 22.80 Mbit/s

95th percentile per-packet one-way delay: 72.104 ms

Loss rate: 0.68%

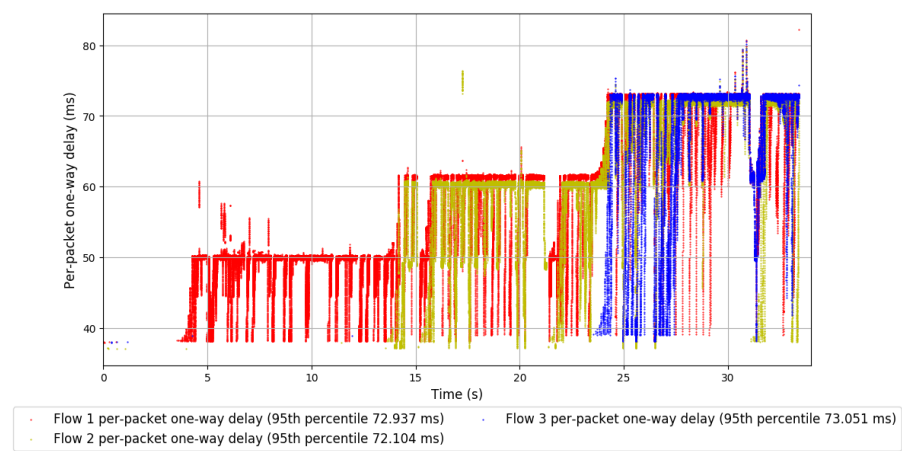
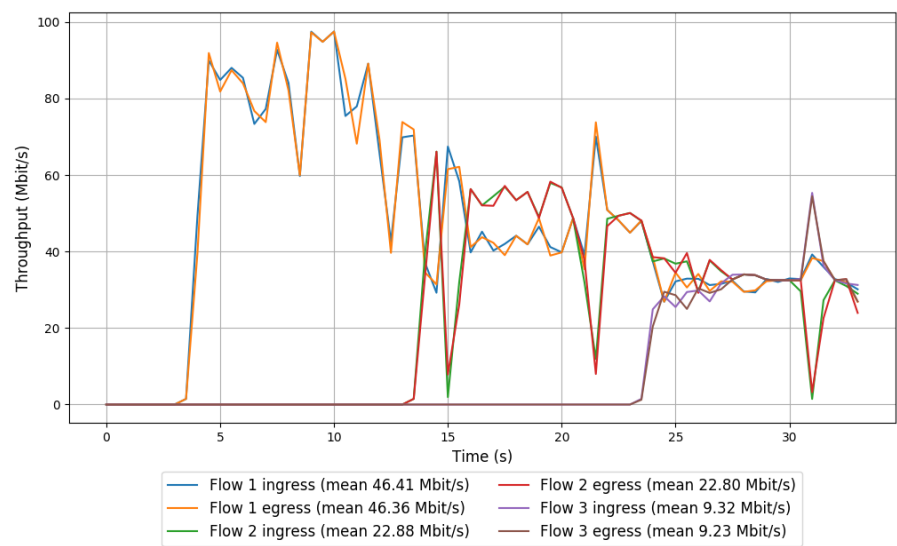
-- Flow 3:

Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 73.051 ms

Loss rate: 1.30%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:07:08 +0000

End at: Tue, 04 Jul 2017 23:07:38 +0000

Local clock offset: -0.016 ms

Remote clock offset: -2.923 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.39 Mbit/s

95th percentile per-packet one-way delay: 73.133 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 46.88 Mbit/s

95th percentile per-packet one-way delay: 72.488 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 21.56 Mbit/s

95th percentile per-packet one-way delay: 72.447 ms

Loss rate: 0.64%

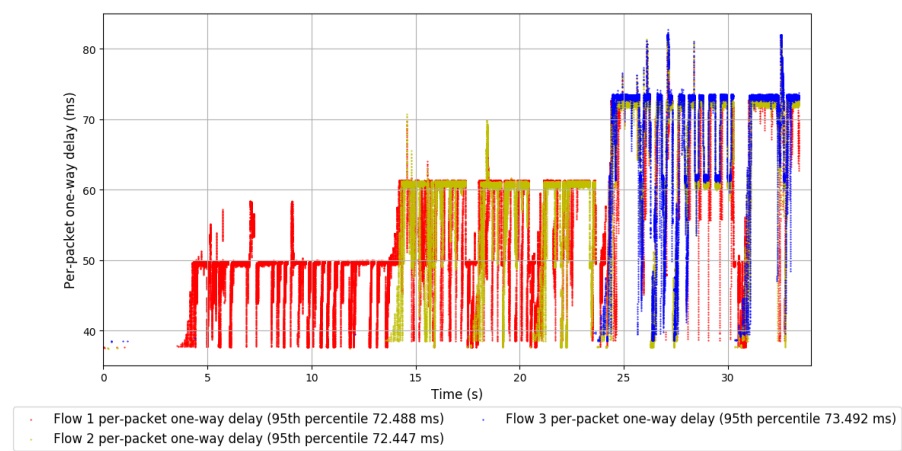
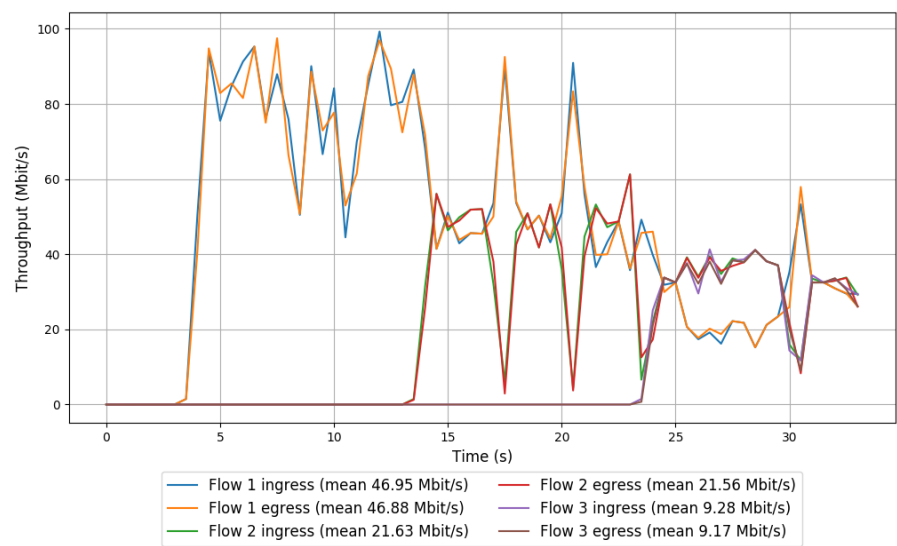
-- Flow 3:

Average throughput: 9.17 Mbit/s

95th percentile per-packet one-way delay: 73.492 ms

Loss rate: 1.47%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:27:43 +0000

End at: Tue, 04 Jul 2017 23:28:13 +0000

Local clock offset: -0.088 ms

Remote clock offset: -2.837 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:27 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 77.82 Mbit/s

95th percentile per-packet one-way delay: 73.851 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 47.55 Mbit/s

95th percentile per-packet one-way delay: 73.911 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 21.97 Mbit/s

95th percentile per-packet one-way delay: 72.947 ms

Loss rate: 0.74%

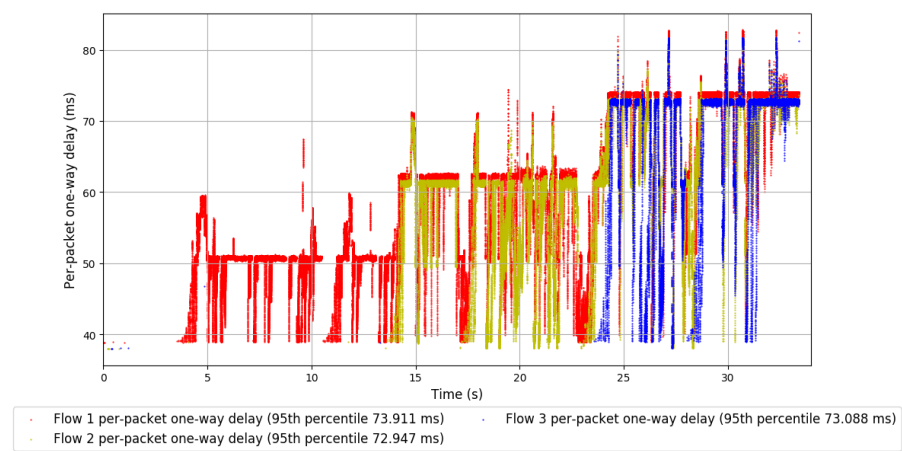
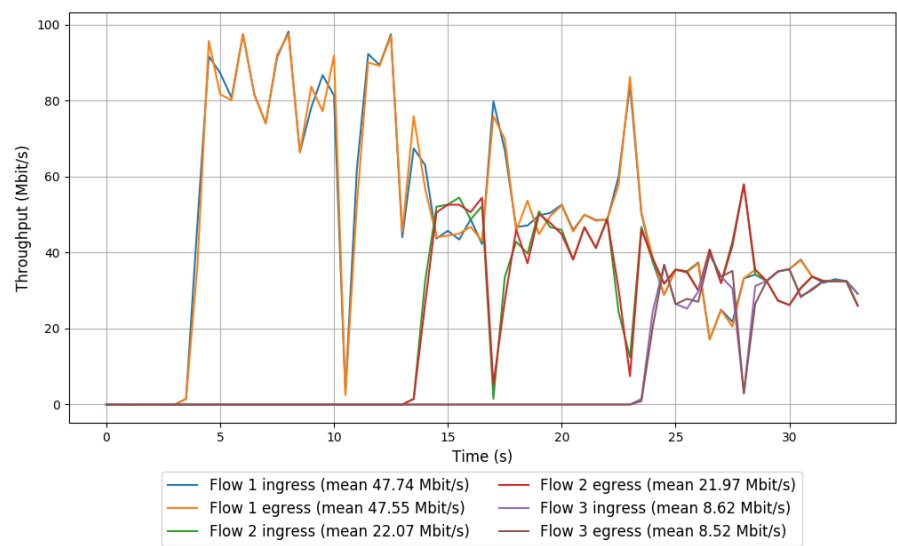
-- Flow 3:

Average throughput: 8.52 Mbit/s

95th percentile per-packet one-way delay: 73.088 ms

Loss rate: 1.48%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:48:16 +0000

End at: Tue, 04 Jul 2017 23:48:46 +0000

Local clock offset: -0.02 ms

Remote clock offset: -0.165 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.59 Mbit/s

95th percentile per-packet one-way delay: 82.101 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 48.16 Mbit/s

95th percentile per-packet one-way delay: 62.206 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 21.42 Mbit/s

95th percentile per-packet one-way delay: 83.302 ms

Loss rate: 1.11%

-- Flow 3:

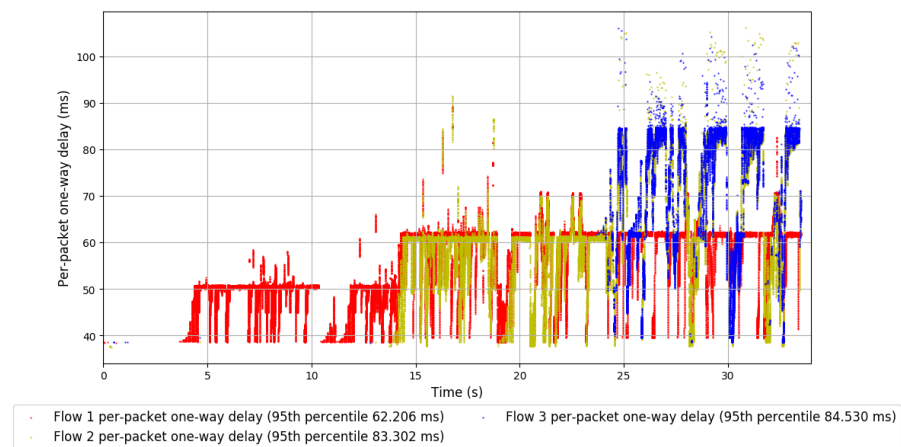
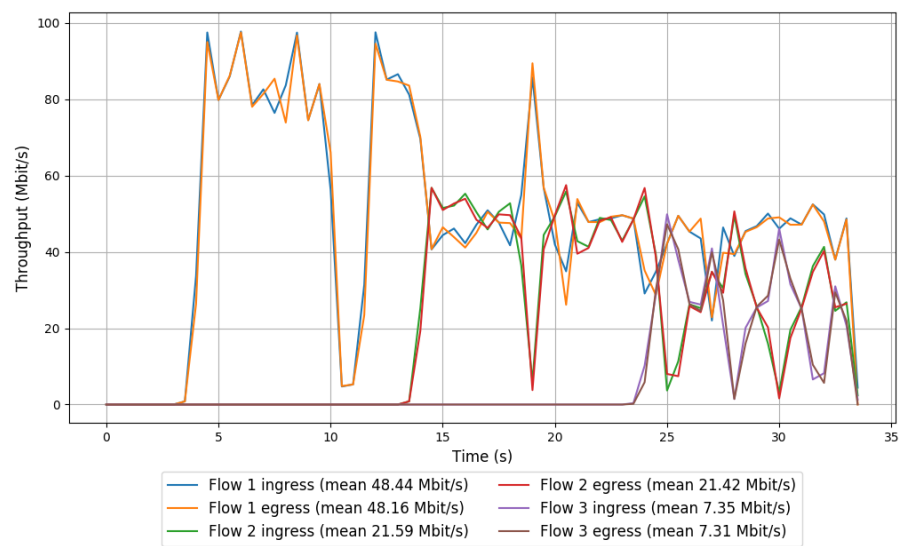
Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 84.530 ms

Loss rate: 0.85%



Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Wed, 05 Jul 2017 00:08:42 +0000

End at: Wed, 05 Jul 2017 00:09:12 +0000

Local clock offset: 0.051 ms

Remote clock offset: -1.374 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.84 Mbit/s

95th percentile per-packet one-way delay: 72.982 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 49.13 Mbit/s

95th percentile per-packet one-way delay: 72.169 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 23.00 Mbit/s

95th percentile per-packet one-way delay: 73.159 ms

Loss rate: 0.53%

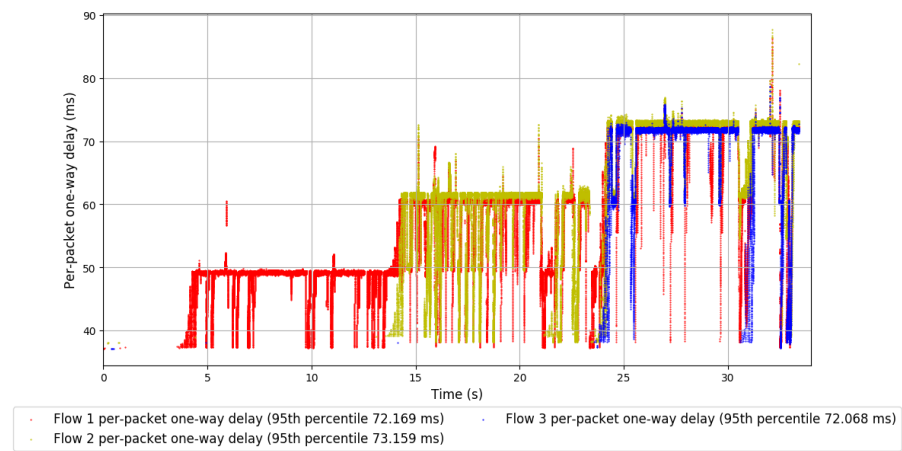
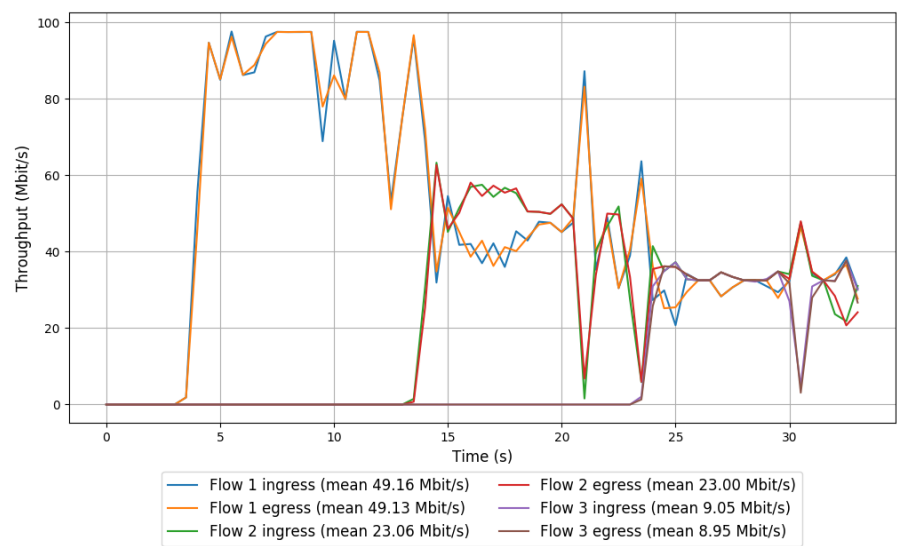
-- Flow 3:

Average throughput: 8.95 Mbit/s

95th percentile per-packet one-way delay: 72.068 ms

Loss rate: 1.36%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Wed, 05 Jul 2017 00:29:14 +0000

End at: Wed, 05 Jul 2017 00:29:44 +0000

Local clock offset: 0.227 ms

Remote clock offset: -4.248 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.39 Mbit/s

95th percentile per-packet one-way delay: 82.768 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 45.42 Mbit/s

95th percentile per-packet one-way delay: 82.696 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 28.37 Mbit/s

95th percentile per-packet one-way delay: 60.546 ms

Loss rate: 0.66%

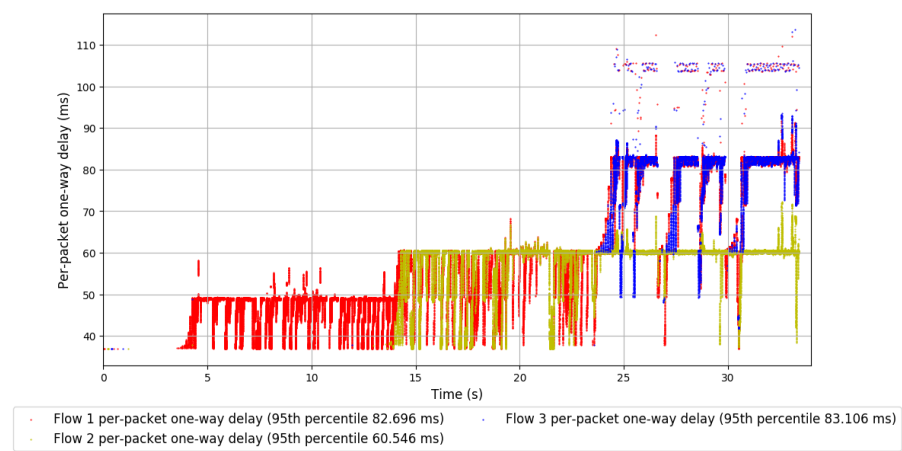
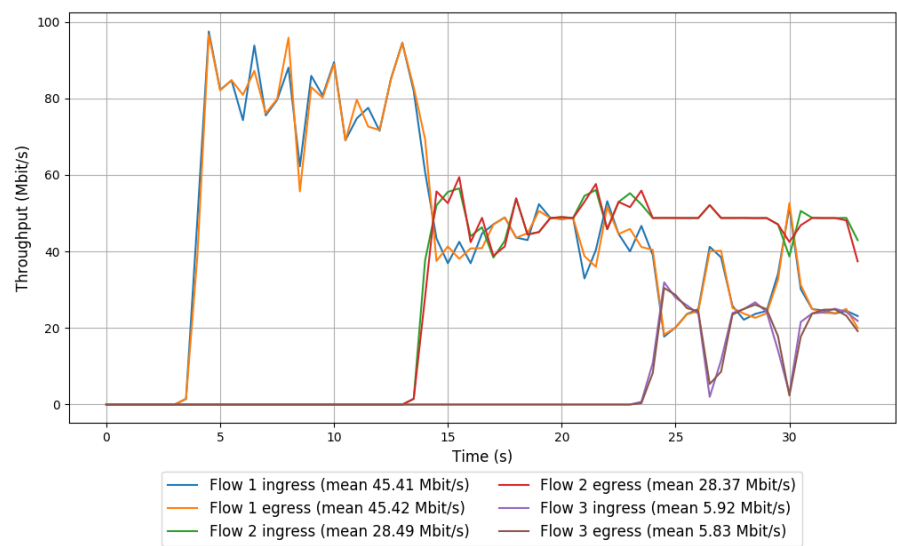
-- Flow 3:

Average throughput: 5.83 Mbit/s

95th percentile per-packet one-way delay: 83.106 ms

Loss rate: 1.93%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Wed, 05 Jul 2017 00:49:53 +0000

End at: Wed, 05 Jul 2017 00:50:23 +0000

Local clock offset: 0.193 ms

Remote clock offset: -5.215 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.29 Mbit/s

95th percentile per-packet one-way delay: 81.392 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 51.71 Mbit/s

95th percentile per-packet one-way delay: 59.653 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 21.38 Mbit/s

95th percentile per-packet one-way delay: 81.854 ms

Loss rate: 0.78%

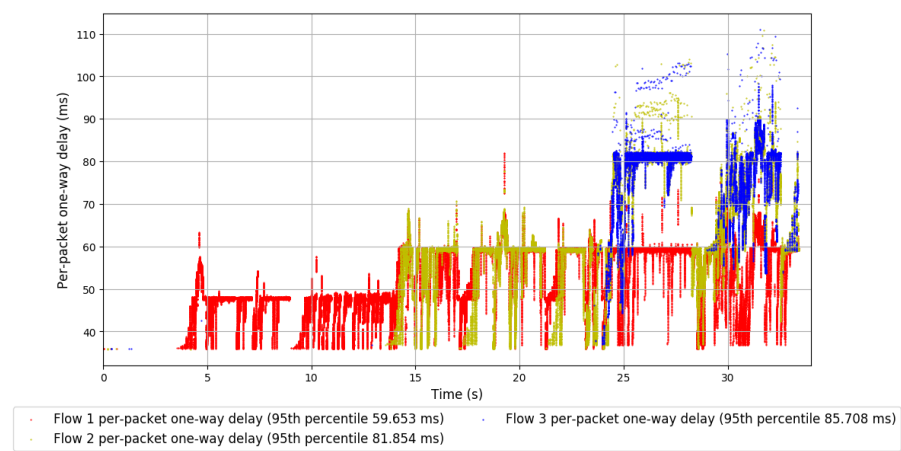
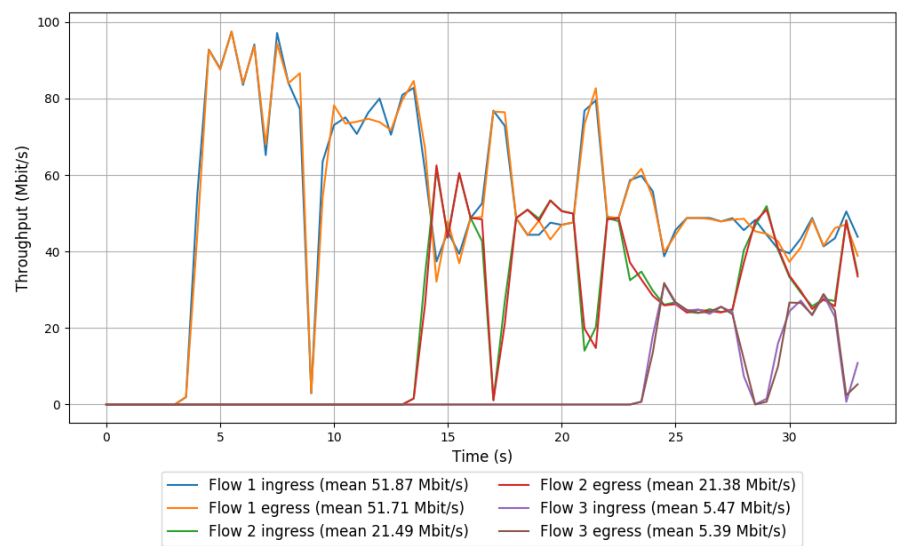
-- Flow 3:

Average throughput: 5.39 Mbit/s

95th percentile per-packet one-way delay: 85.708 ms

Loss rate: 1.90%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Wed, 05 Jul 2017 01:10:27 +0000

End at: Wed, 05 Jul 2017 01:10:57 +0000

Local clock offset: 0.329 ms

Remote clock offset: -5.619 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 74.72 Mbit/s

95th percentile per-packet one-way delay: 80.423 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 41.14 Mbit/s

95th percentile per-packet one-way delay: 79.986 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 25.69 Mbit/s

95th percentile per-packet one-way delay: 58.954 ms

Loss rate: 0.07%

-- Flow 3:

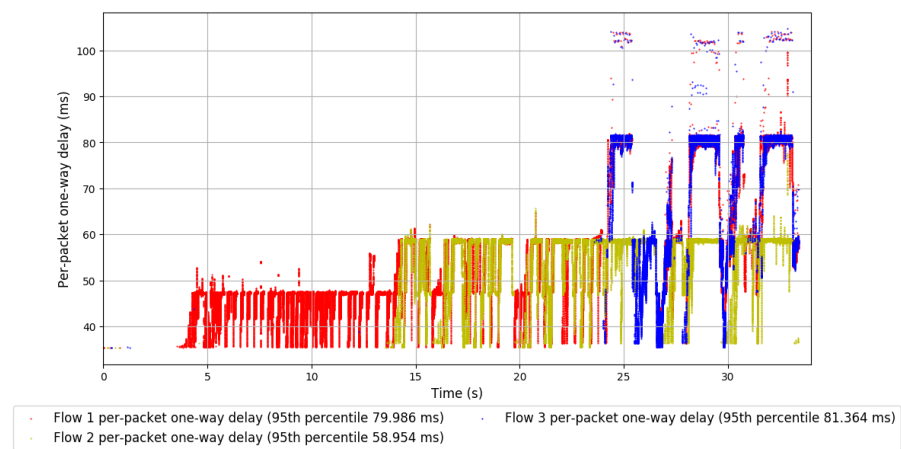
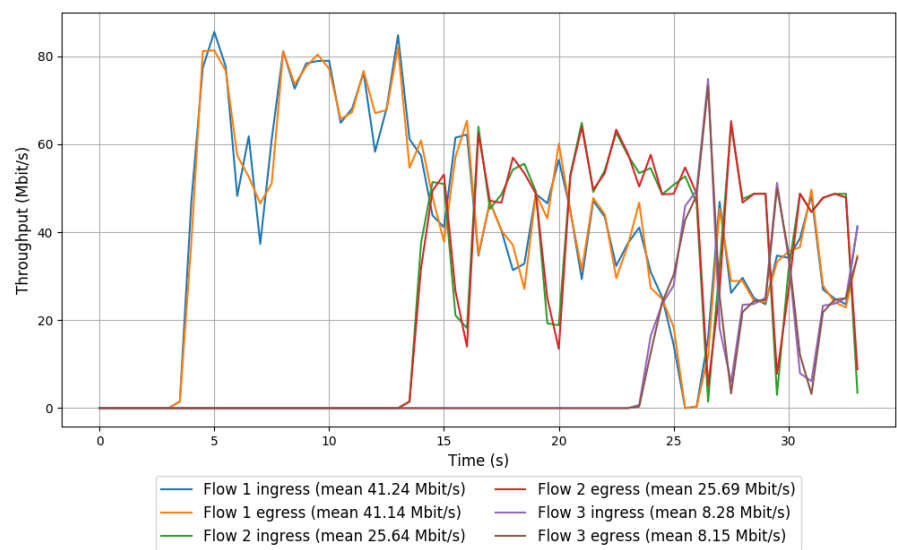
Average throughput: 8.15 Mbit/s

95th percentile per-packet one-way delay: 81.364 ms

Loss rate: 1.89%



Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 22:20:28 +0000

End at: Tue, 04 Jul 2017 22:20:58 +0000

Local clock offset: 0.013 ms

Remote clock offset: -3.759 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.65 Mbit/s

95th percentile per-packet one-way delay: 39.138 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 38.827 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 39.361 ms

Loss rate: 0.58%

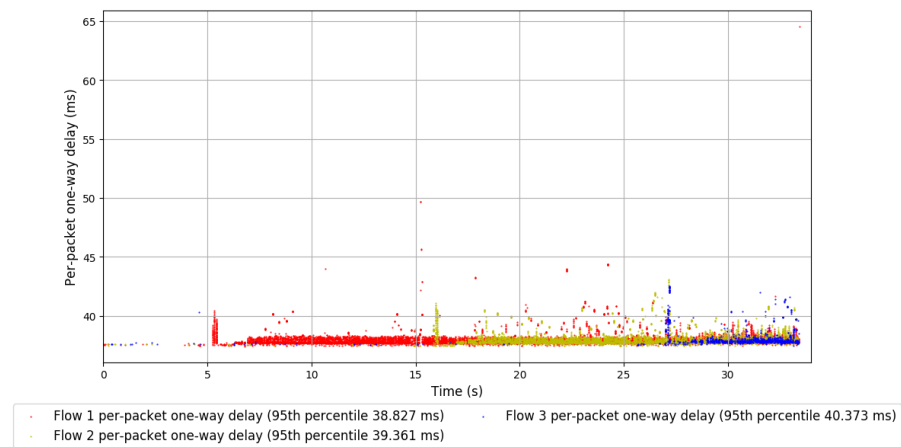
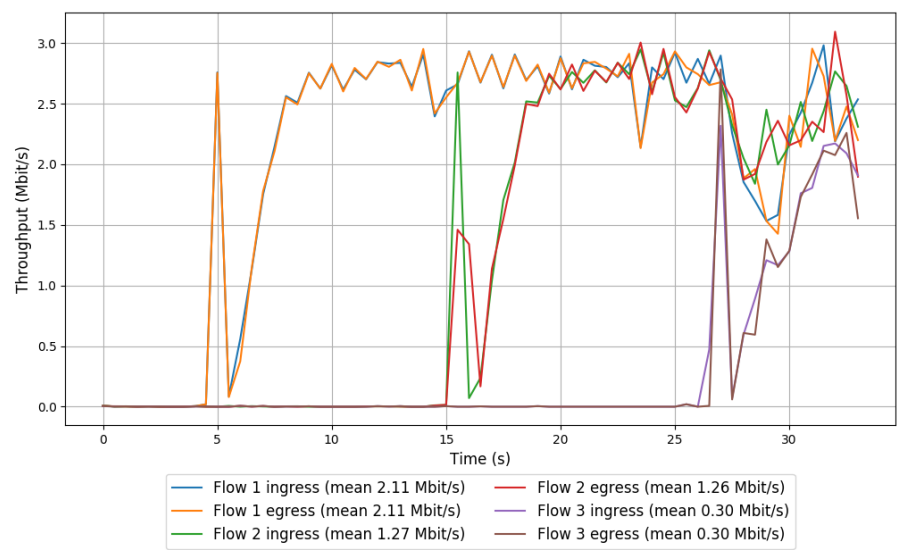
-- Flow 3:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 40.373 ms

Loss rate: 1.87%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 22:41:06 +0000

End at: Tue, 04 Jul 2017 22:41:36 +0000

Local clock offset: 0.161 ms

Remote clock offset: -1.634 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:54 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 39.163 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 39.039 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 39.493 ms

Loss rate: 0.67%

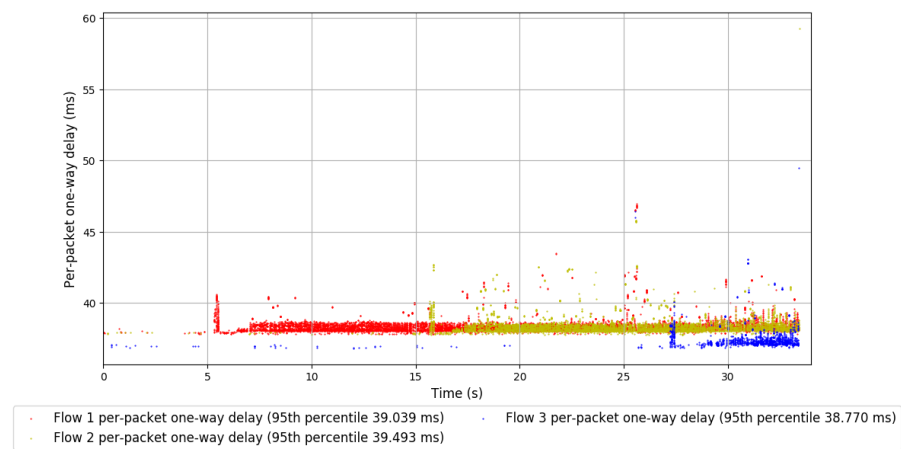
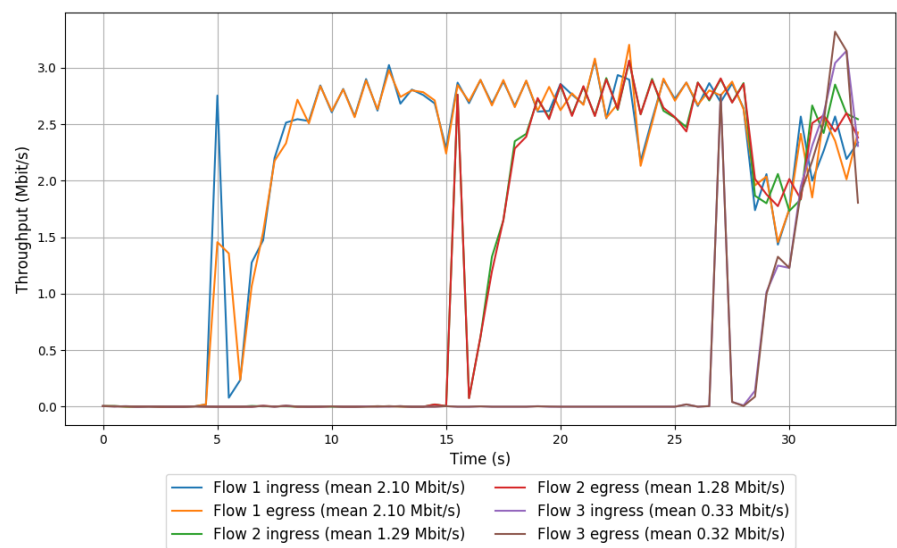
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 38.770 ms

Loss rate: 2.30%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:01:43 +0000

End at: Tue, 04 Jul 2017 23:02:13 +0000

Local clock offset: 0.01 ms

Remote clock offset: -0.895 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.73 Mbit/s

95th percentile per-packet one-way delay: 39.647 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 39.573 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 39.873 ms

Loss rate: 0.68%

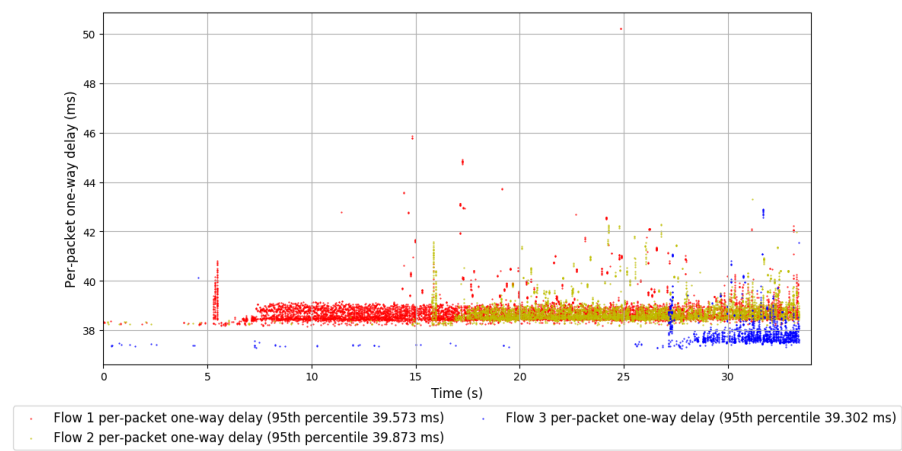
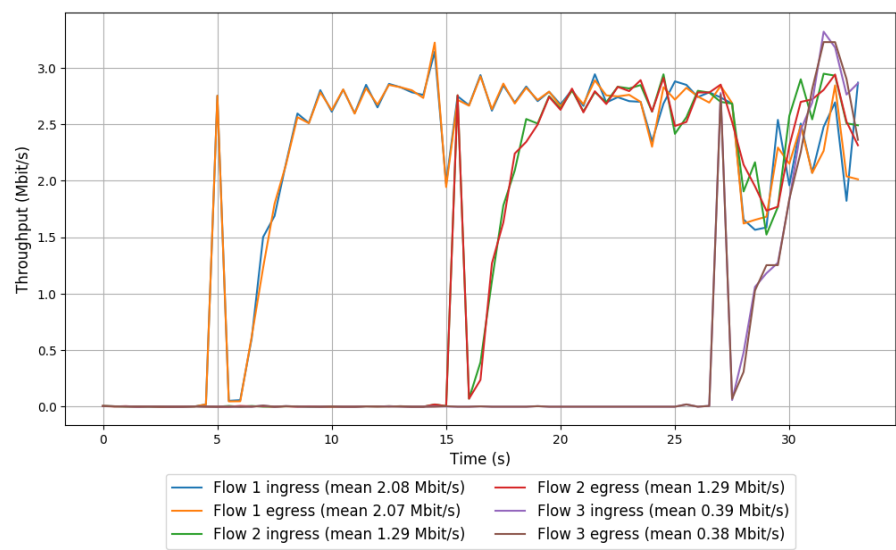
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 39.302 ms

Loss rate: 2.42%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:22:21 +0000

End at: Tue, 04 Jul 2017 23:22:51 +0000

Local clock offset: -0.182 ms

Remote clock offset: -2.571 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.73 Mbit/s

95th percentile per-packet one-way delay: 39.569 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 39.079 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 39.285 ms

Loss rate: 0.49%

-- Flow 3:

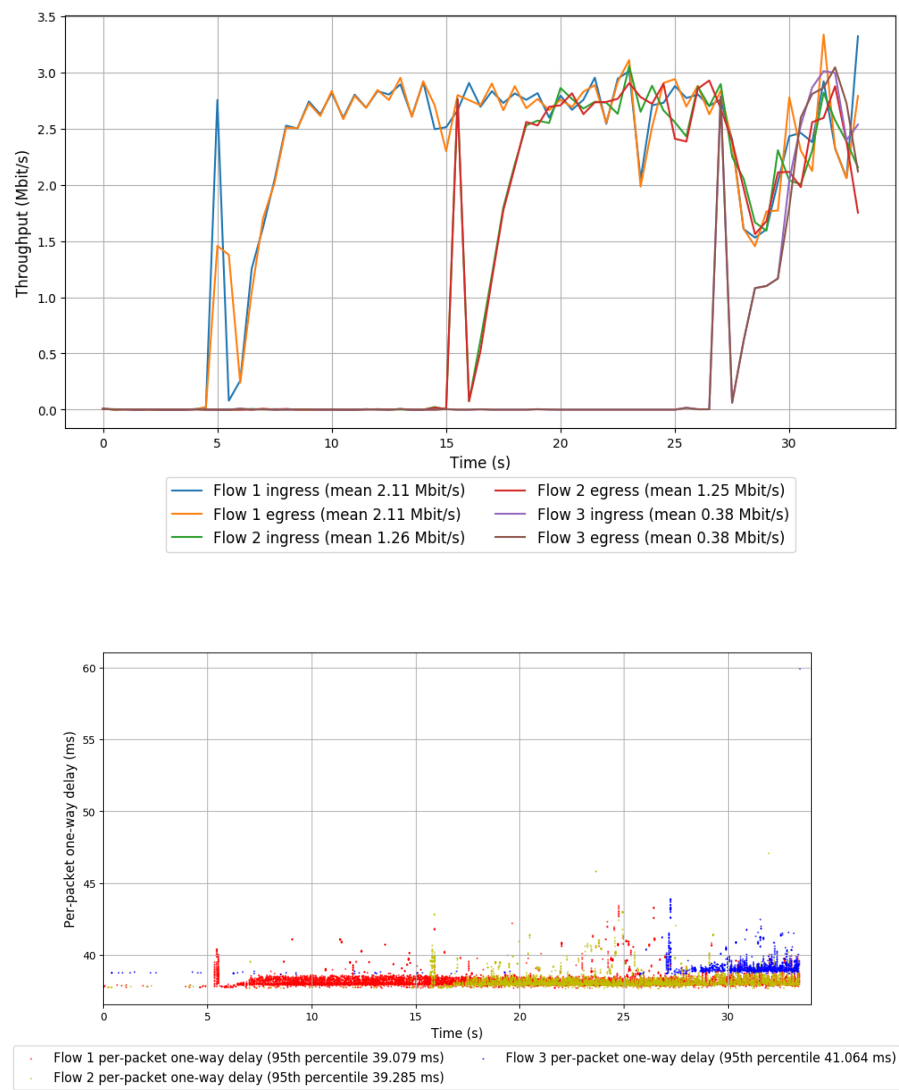
Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 41.064 ms

Loss rate: 1.65%



Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:42:55 +0000

End at: Tue, 04 Jul 2017 23:43:25 +0000

Local clock offset: -0.066 ms

Remote clock offset: -0.412 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:57 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.78 Mbit/s

95th percentile per-packet one-way delay: 40.548 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 40.507 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 40.474 ms

Loss rate: 0.67%

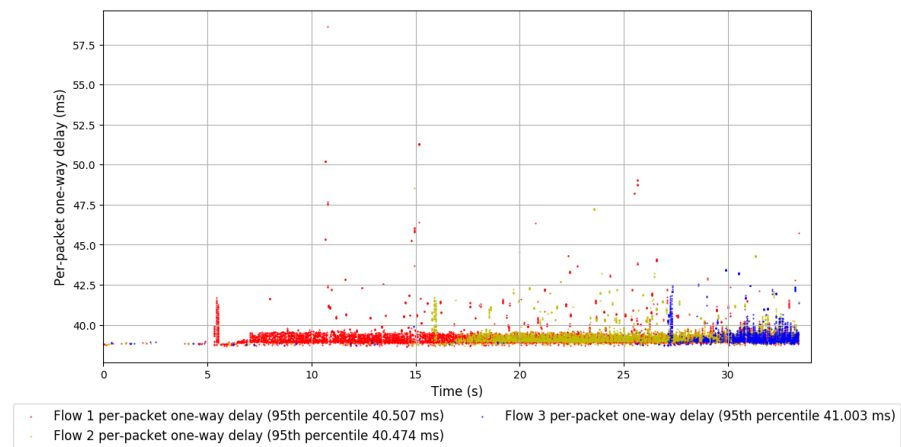
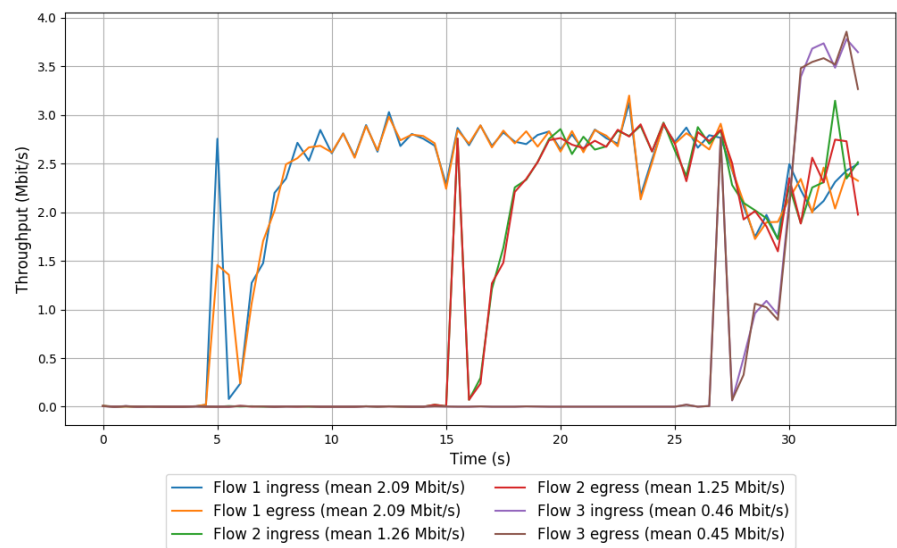
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 41.003 ms

Loss rate: 2.42%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 00:03:19 +0000

End at: Wed, 05 Jul 2017 00:03:49 +0000

Local clock offset: 0.029 ms

Remote clock offset: -0.581 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.77 Mbit/s

95th percentile per-packet one-way delay: 39.501 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 39.466 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 39.602 ms

Loss rate: 0.67%

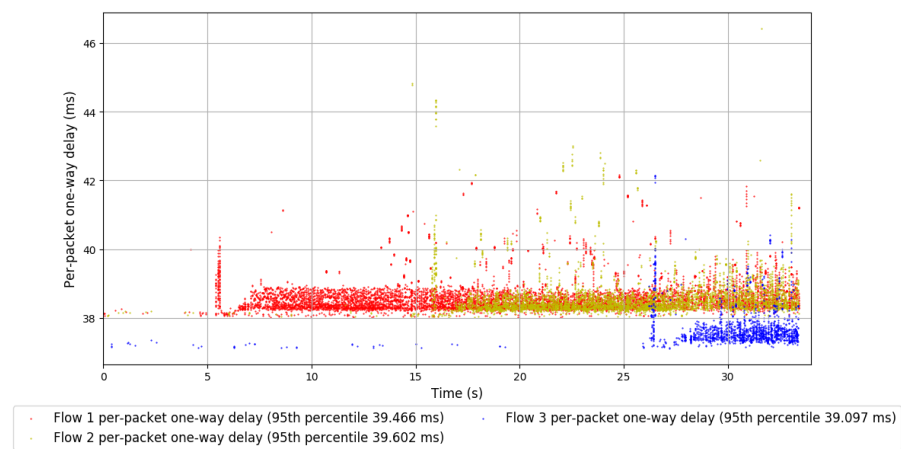
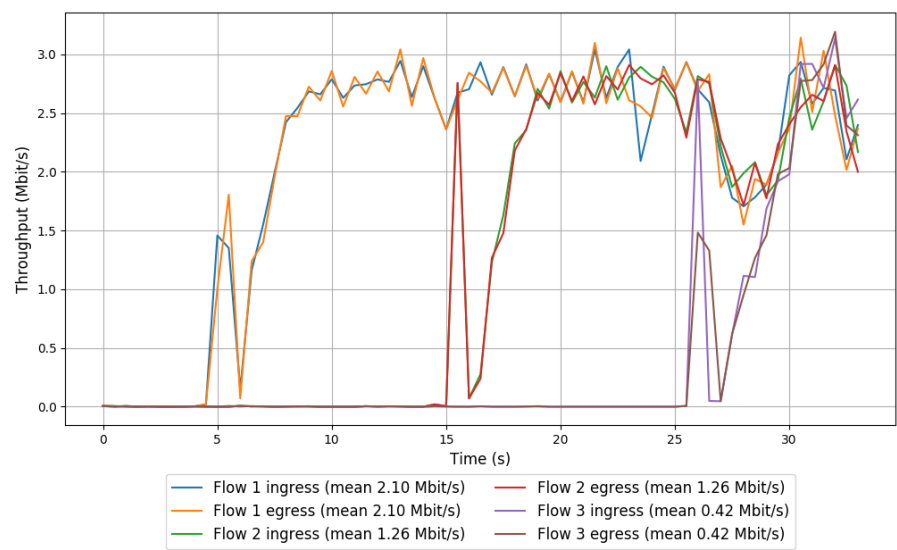
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 39.097 ms

Loss rate: 1.78%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 00:23:52 +0000

End at: Wed, 05 Jul 2017 00:24:22 +0000

Local clock offset: 0.218 ms

Remote clock offset: -3.966 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:35:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.67 Mbit/s

95th percentile per-packet one-way delay: 38.417 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 38.562 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 37.816 ms

Loss rate: 0.51%

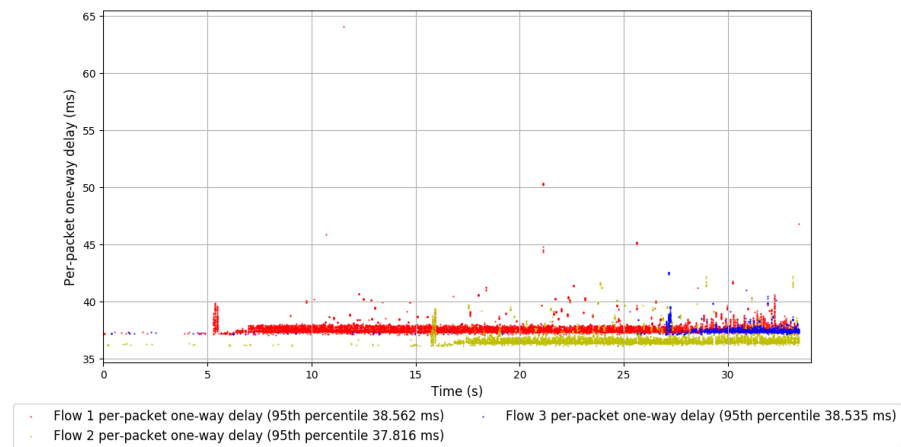
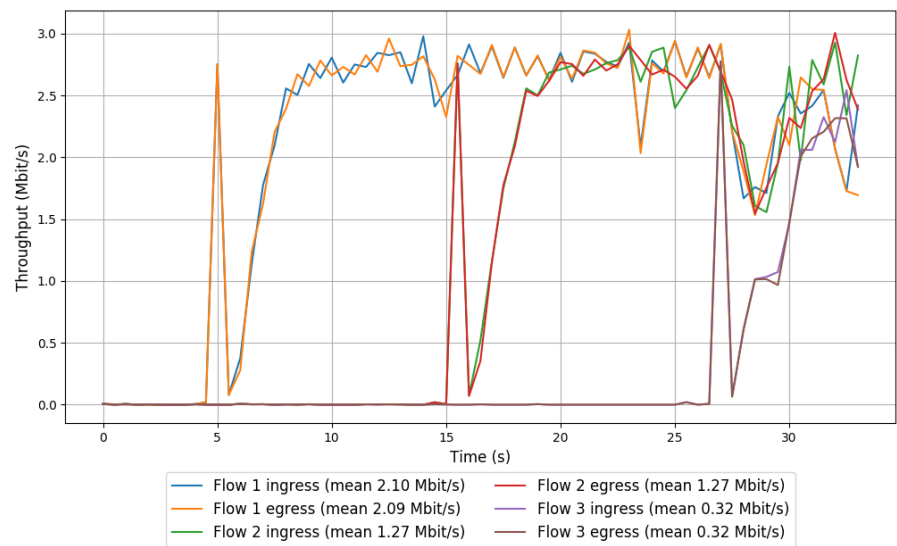
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 38.535 ms

Loss rate: 1.07%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 00:44:29 +0000

End at: Wed, 05 Jul 2017 00:44:59 +0000

Local clock offset: 0.184 ms

Remote clock offset: -2.271 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:36:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.74 Mbit/s

95th percentile per-packet one-way delay: 37.712 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 37.435 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 38.252 ms

Loss rate: 0.95%

-- Flow 3:

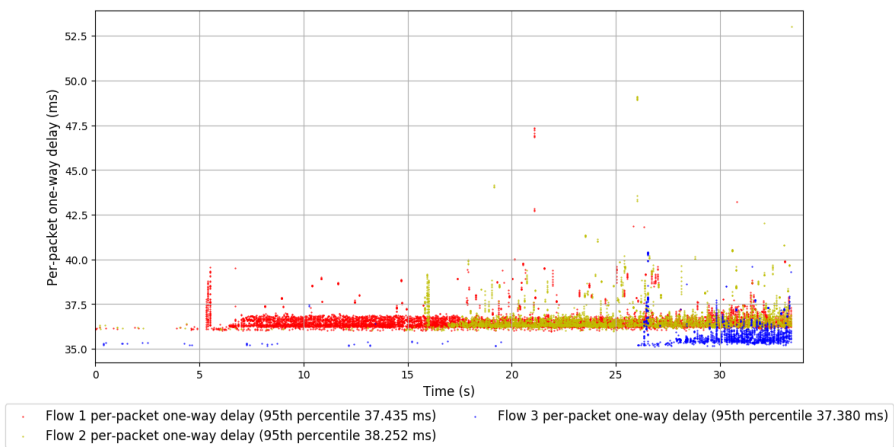
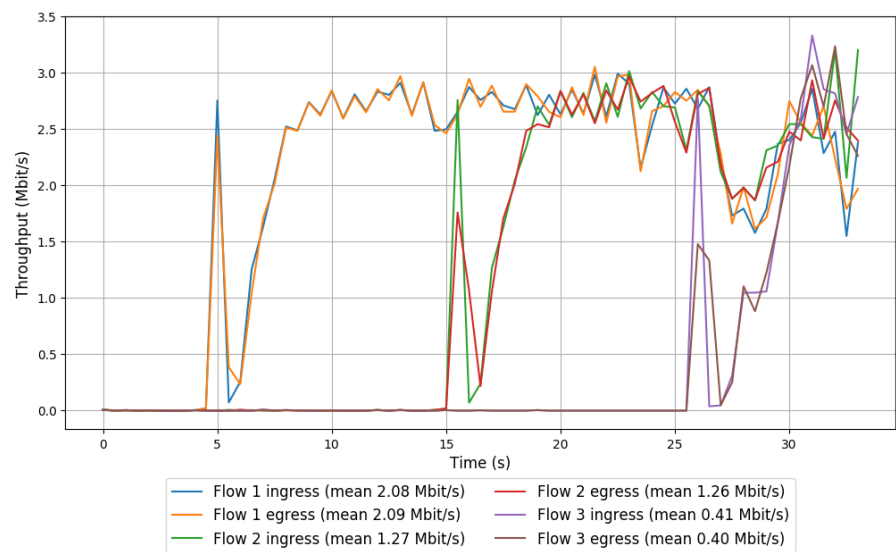
Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 37.380 ms

Loss rate: 1.92%



Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 01:05:04 +0000

End at: Wed, 05 Jul 2017 01:05:34 +0000

Local clock offset: 0.364 ms

Remote clock offset: -5.755 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 02:36:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.78 Mbit/s

95th percentile per-packet one-way delay: 37.056 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 36.839 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 37.018 ms

Loss rate: 0.58%

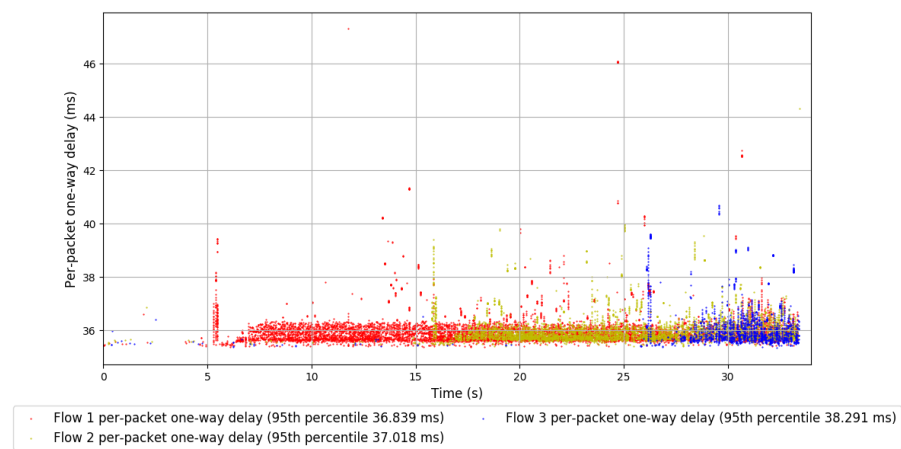
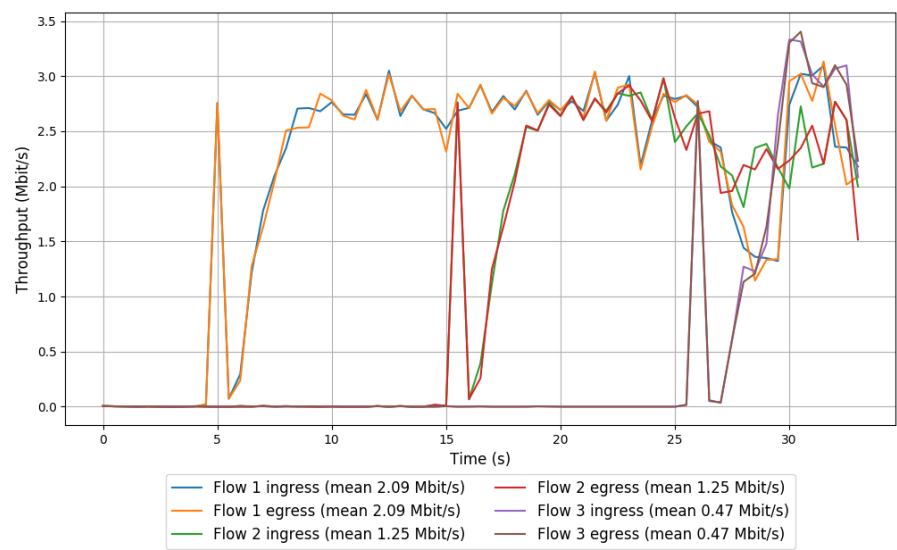
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 38.291 ms

Loss rate: 0.91%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 01:25:34 +0000

End at: Wed, 05 Jul 2017 01:26:04 +0000

Local clock offset: 0.428 ms

Remote clock offset: -5.028 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.78 Mbit/s

95th percentile per-packet one-way delay: 37.428 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 37.206 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 37.452 ms

Loss rate: 0.49%

-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 38.293 ms

Loss rate: 1.84%

Run 10: Report of WebRTC media — Data Link

