

**Pantheon Summary** (Generated at Wed, 05 Jul 2017 01:25:30 +0000 with pantheon version afeabcbf9f0bccb7f5555428c3b5bcceec857e76)

Repeated the test of 15 congestion control schemes 10 times.

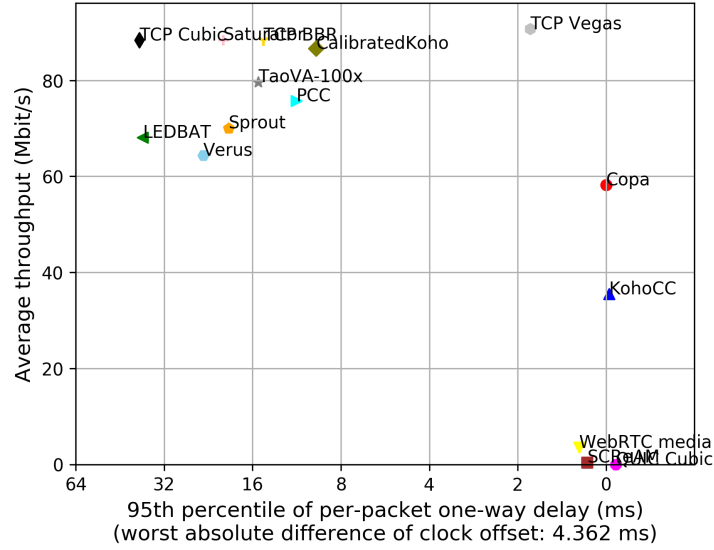
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Data path **from** AWS Brazil 1 Ethernet **to** Brazil Ethernet.

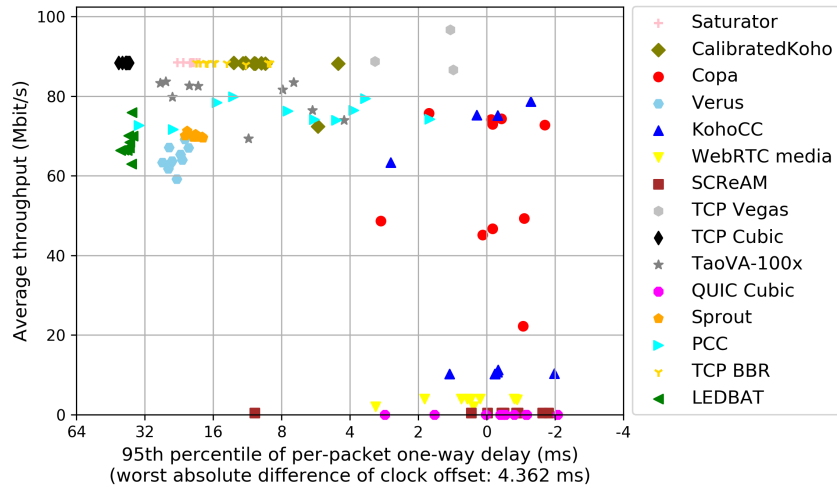
NTP offset measured against gps.ntp.br.

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

test from AWS Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows (mean of all runs by scheme)

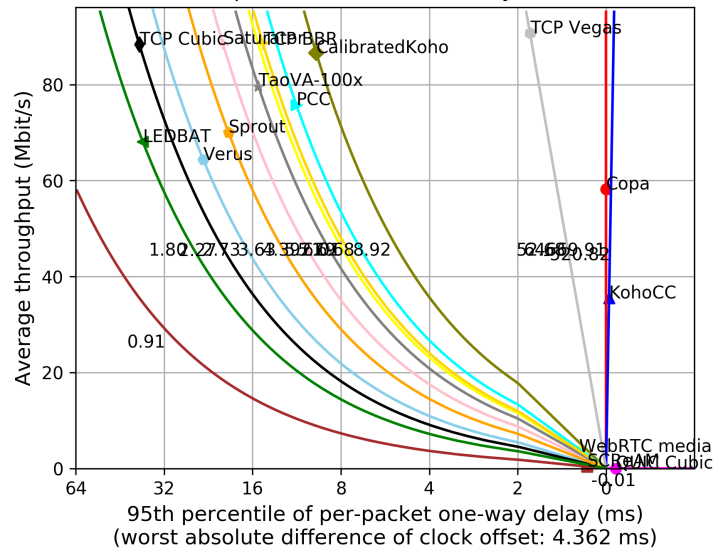


test from AWS Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows





test from AWS Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme  
3 flows with 10s interval between flows  
mean power scores of all runs by scheme



Run 1: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 18:38:27 +0000

End at: Tue, 04 Jul 2017 18:38:57 +0000

Local clock offset: -2.046 ms

Remote clock offset: 0.127 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:12:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.34 Mbit/s

95th percentile per-packet one-way delay: 16.016 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.76 Mbit/s

95th percentile per-packet one-way delay: 16.085 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.16 Mbit/s

95th percentile per-packet one-way delay: 15.448 ms

Loss rate: 0.00%

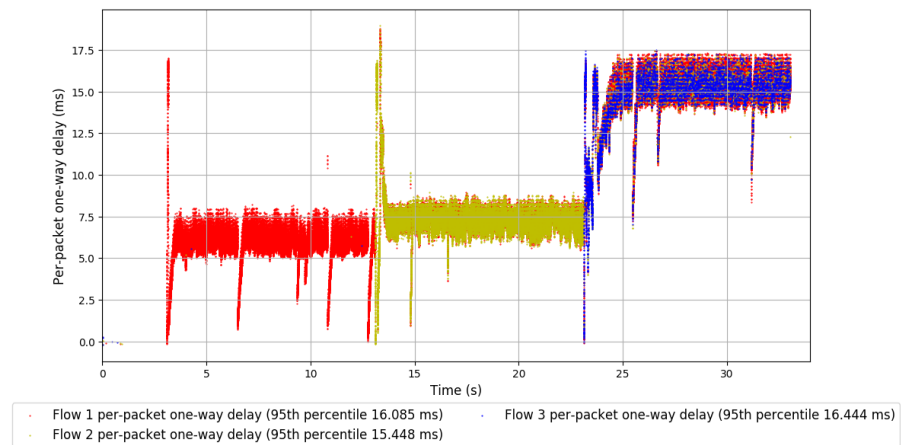
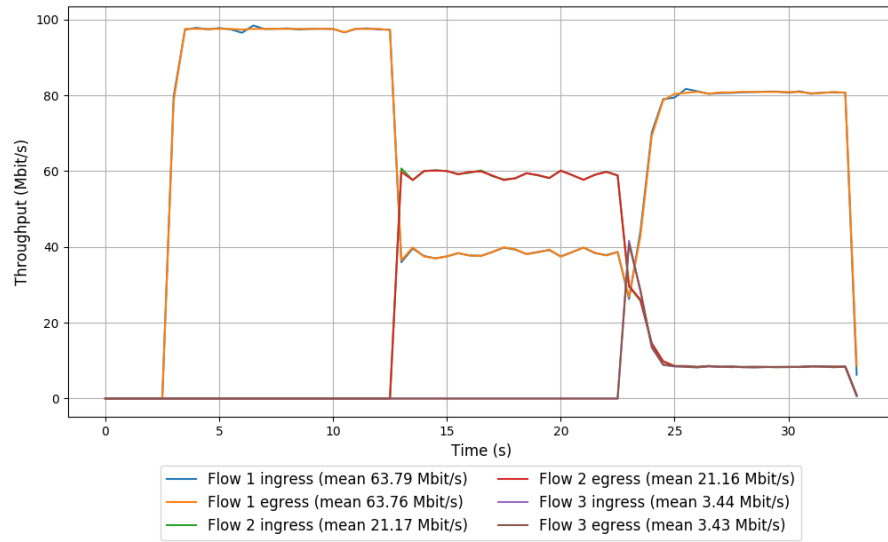
-- Flow 3:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 16.444 ms

Loss rate: 0.00%

# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 18:55:29 +0000

End at: Tue, 04 Jul 2017 18:55:59 +0000

Local clock offset: -2.357 ms

Remote clock offset: 0.308 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:12:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.38 Mbit/s

95th percentile per-packet one-way delay: 19.002 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.01 Mbit/s

95th percentile per-packet one-way delay: 19.239 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.41 Mbit/s

95th percentile per-packet one-way delay: 17.273 ms

Loss rate: 0.00%

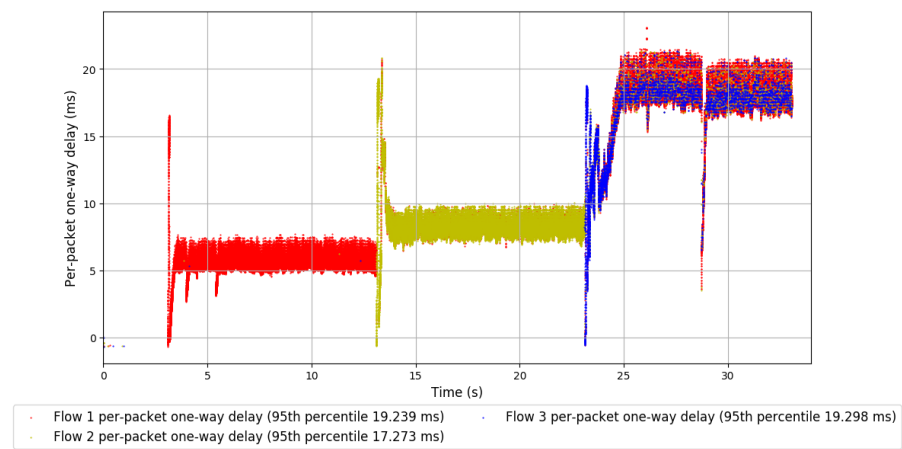
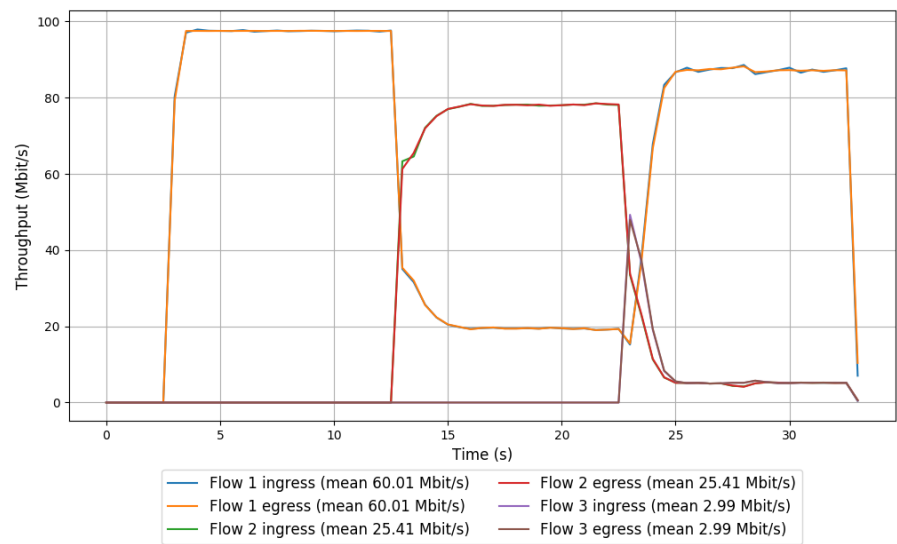
-- Flow 3:

Average throughput: 2.99 Mbit/s

95th percentile per-packet one-way delay: 19.298 ms

Loss rate: 0.00%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 19:12:34 +0000

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

Local clock offset: -2.429 ms

Remote clock offset: 0.262 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:12:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.28 Mbit/s

95th percentile per-packet one-way delay: 13.954 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.83 Mbit/s

95th percentile per-packet one-way delay: 13.671 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.95 Mbit/s

95th percentile per-packet one-way delay: 13.904 ms

Loss rate: 0.00%

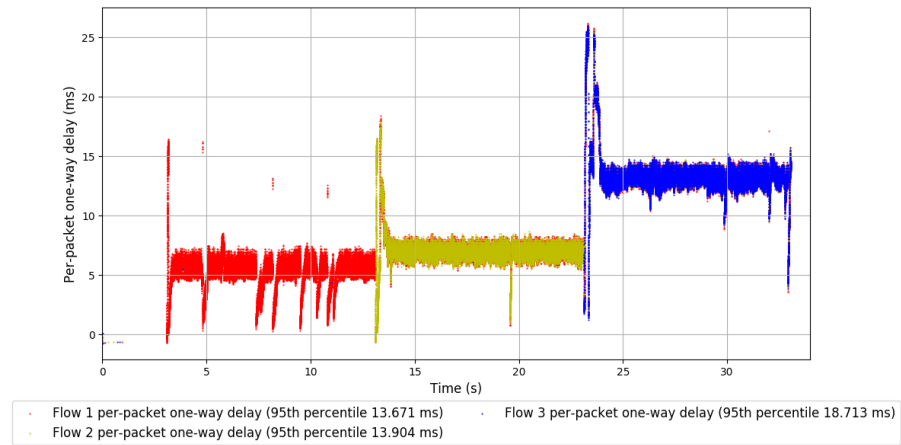
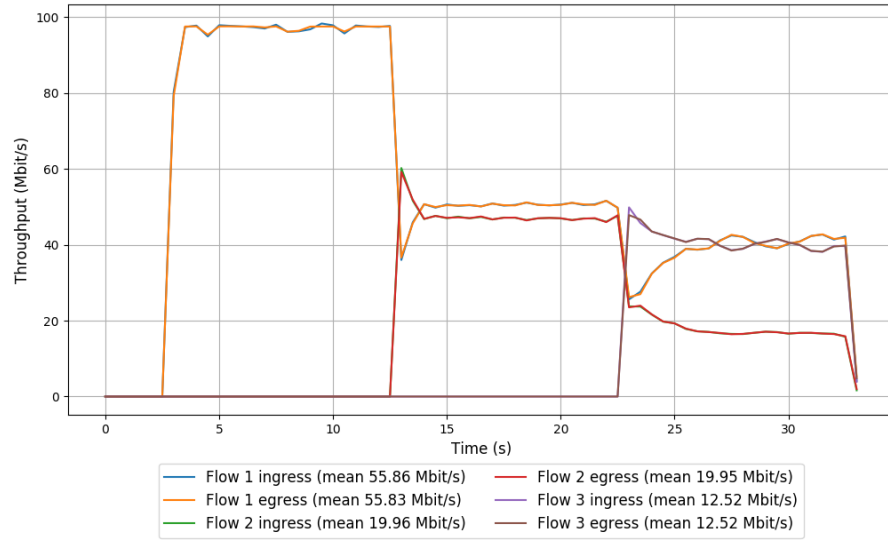
-- Flow 3:

Average throughput: 12.52 Mbit/s

95th percentile per-packet one-way delay: 18.713 ms

Loss rate: 0.01%

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



Run 4: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 19:30:16 +0000

End at: Tue, 04 Jul 2017 19:30:46 +0000

Local clock offset: -2.411 ms

Remote clock offset: 0.153 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:12:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.28 Mbit/s

95th percentile per-packet one-way delay: 9.001 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.41 Mbit/s

95th percentile per-packet one-way delay: 8.552 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.03 Mbit/s

95th percentile per-packet one-way delay: 9.053 ms

Loss rate: 0.00%

-- Flow 3:

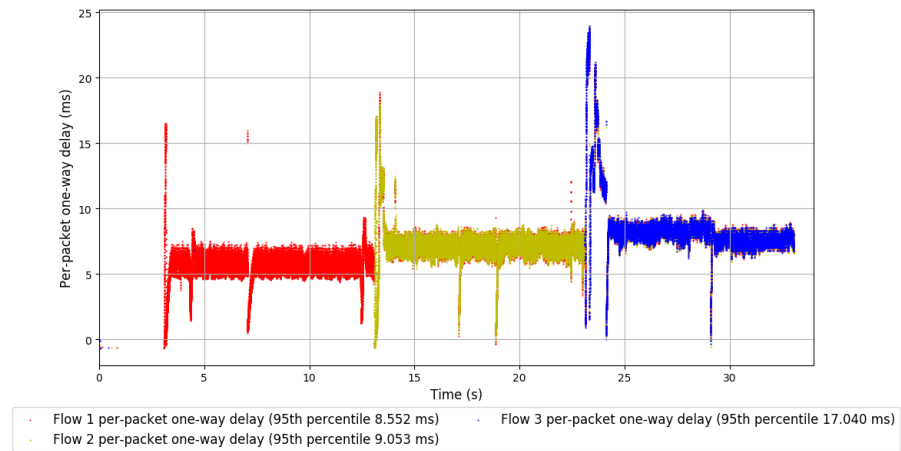
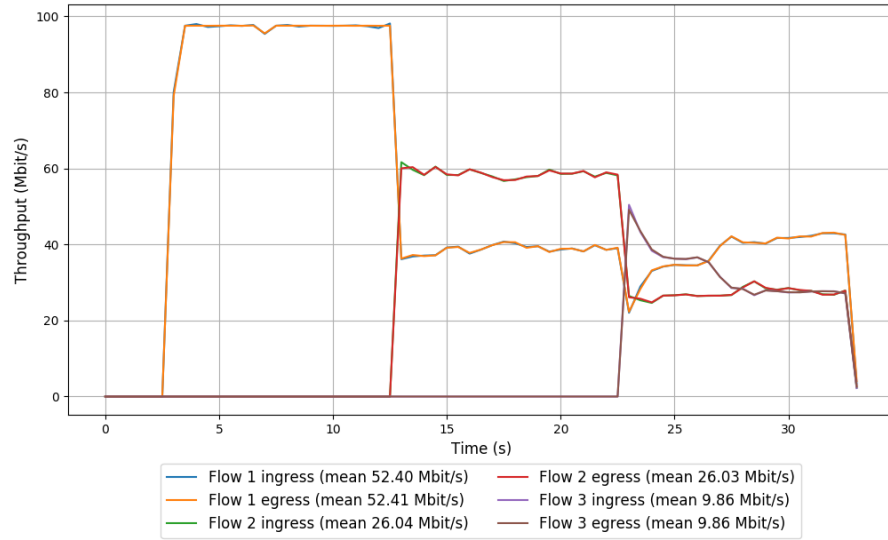
Average throughput: 9.86 Mbit/s

95th percentile per-packet one-way delay: 17.040 ms

Loss rate: 0.00%



# Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 19:47:25 +0000

End at: Tue, 04 Jul 2017 19:47:55 +0000

Local clock offset: -2.575 ms

Remote clock offset: 0.584 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:12:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.37 Mbit/s

95th percentile per-packet one-way delay: 15.715 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.32 Mbit/s

95th percentile per-packet one-way delay: 15.607 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 15.406 ms

Loss rate: 0.00%

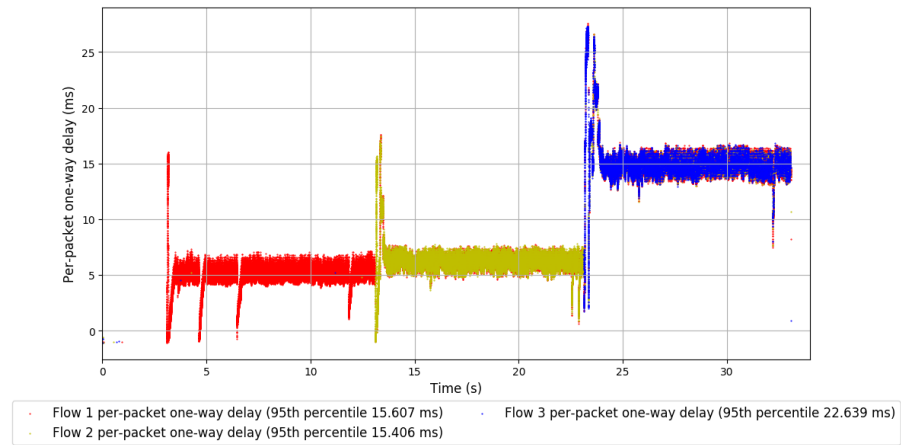
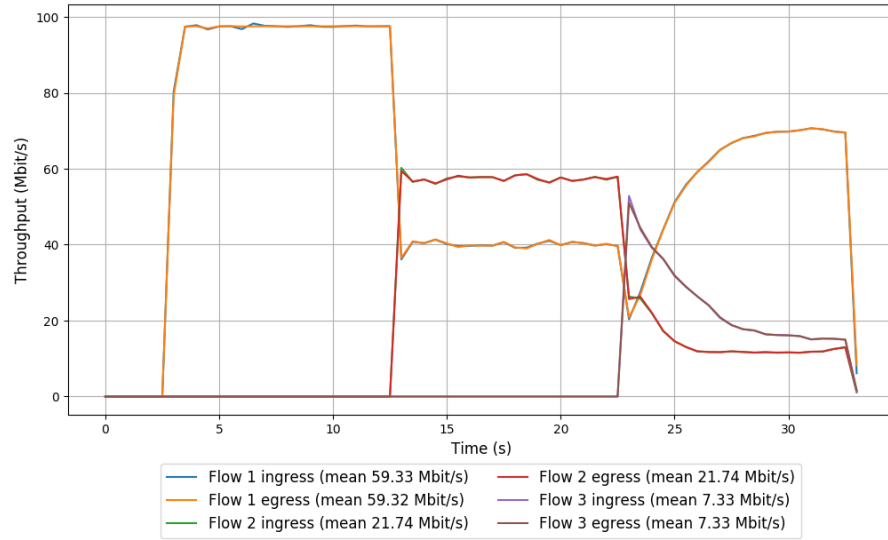
-- Flow 3:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 22.639 ms

Loss rate: 0.00%

# Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

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

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

Local clock offset: -2.842 ms

Remote clock offset: 0.889 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:12:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 18.253 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.85 Mbit/s

95th percentile per-packet one-way delay: 18.474 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.12 Mbit/s

95th percentile per-packet one-way delay: 15.405 ms

Loss rate: 0.00%

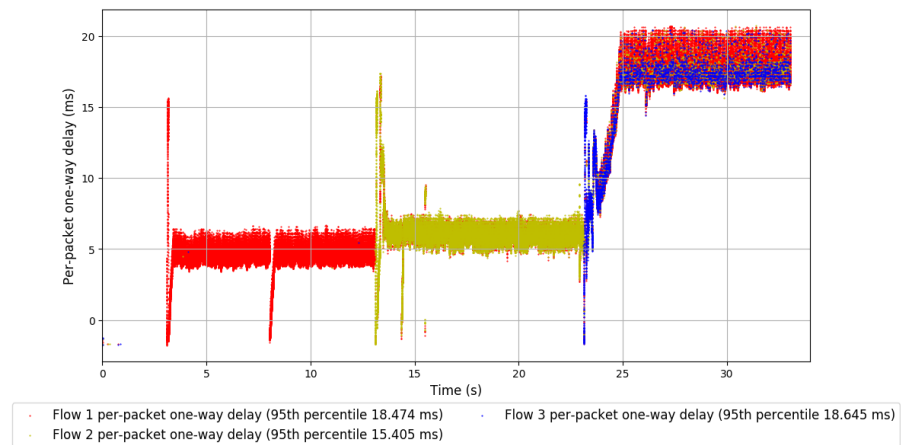
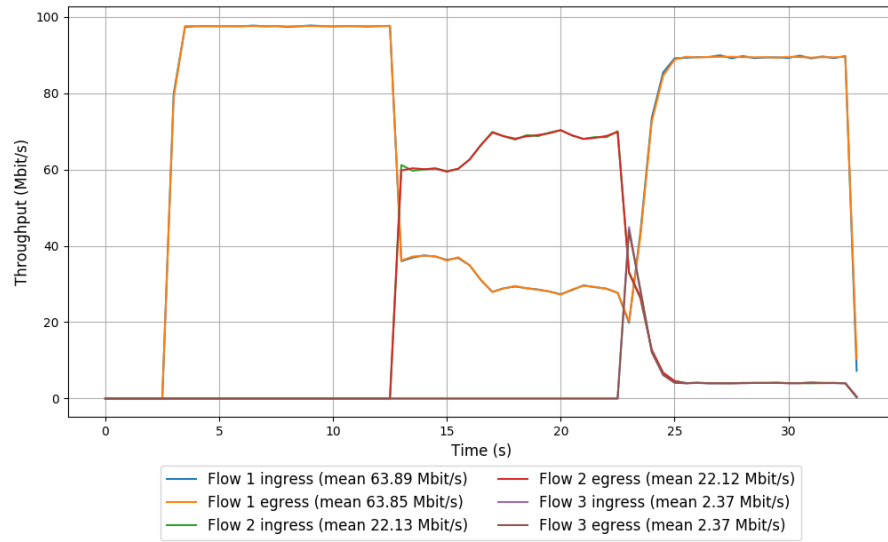
-- Flow 3:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 18.645 ms

Loss rate: 0.00%

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



Run 7: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 20:21:29 +0000

End at: Tue, 04 Jul 2017 20:21:59 +0000

Local clock offset: -3.32 ms

Remote clock offset: 0.922 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:13:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.32 Mbit/s

95th percentile per-packet one-way delay: 17.024 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 67.36 Mbit/s

95th percentile per-packet one-way delay: 17.139 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 18.28 Mbit/s

95th percentile per-packet one-way delay: 15.792 ms

Loss rate: 0.01%

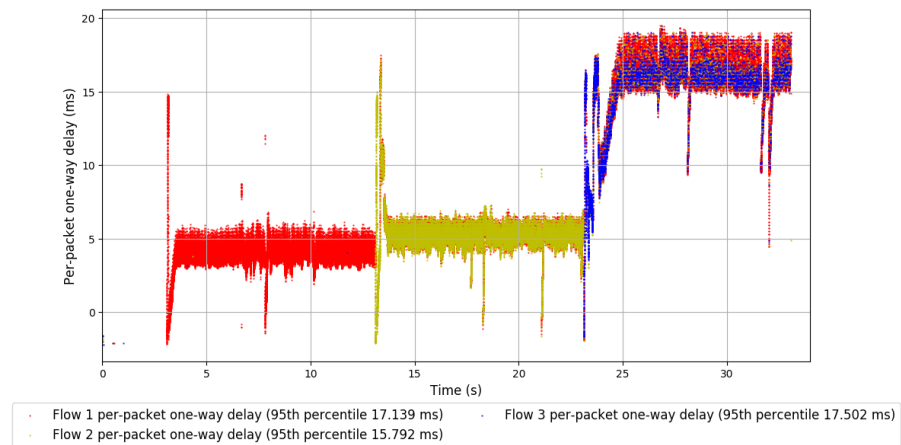
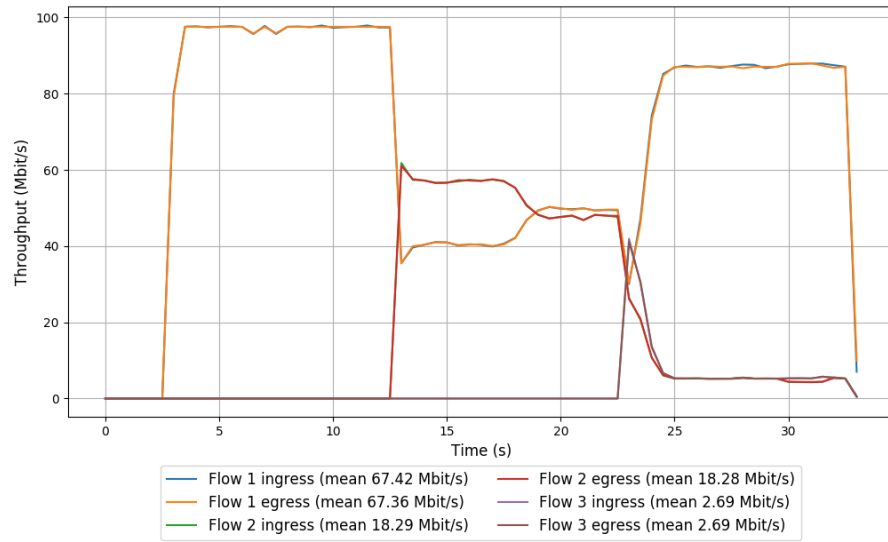
-- Flow 3:

Average throughput: 2.69 Mbit/s

95th percentile per-packet one-way delay: 17.502 ms

Loss rate: 0.07%

# Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 20:38:36 +0000

End at: Tue, 04 Jul 2017 20:39:06 +0000

Local clock offset: -2.834 ms

Remote clock offset: 0.453 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:13:10 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.88 Mbit/s

95th percentile per-packet one-way delay: 11.509 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.65 Mbit/s

95th percentile per-packet one-way delay: 11.601 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.43 Mbit/s

95th percentile per-packet one-way delay: 10.882 ms

Loss rate: 0.00%

-- Flow 3:

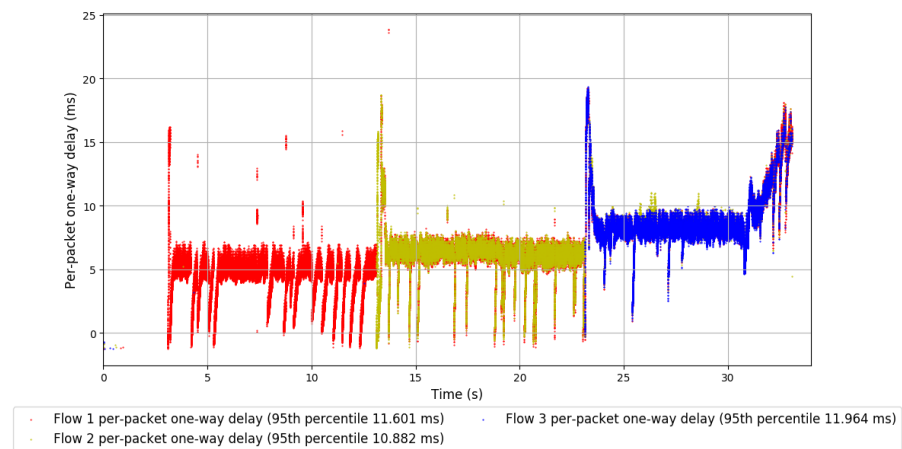
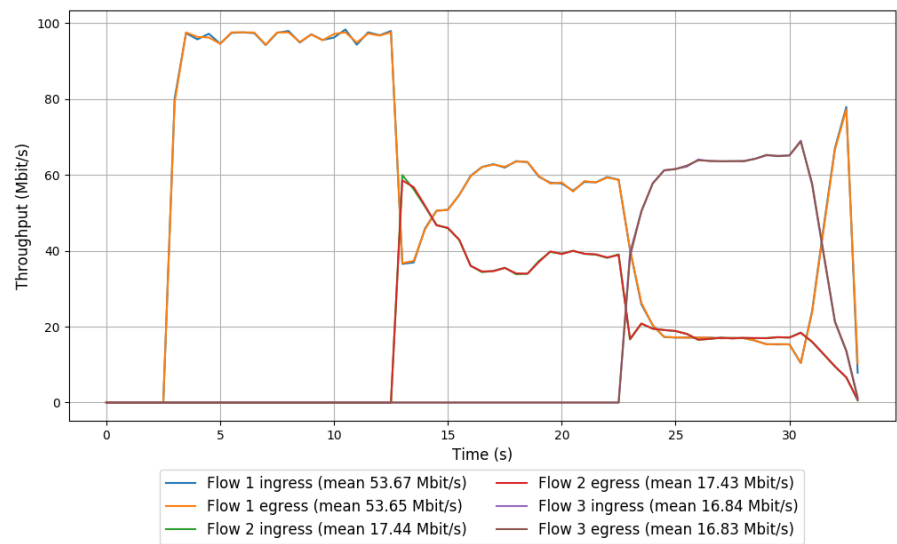
Average throughput: 16.83 Mbit/s

95th percentile per-packet one-way delay: 11.964 ms

Loss rate: 0.00%



Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 20:55:34 +0000

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

Local clock offset: -2.316 ms

Remote clock offset: -0.366 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:13:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.35 Mbit/s

95th percentile per-packet one-way delay: 9.207 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 63.72 Mbit/s

95th percentile per-packet one-way delay: 8.952 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 16.97 Mbit/s

95th percentile per-packet one-way delay: 9.581 ms

Loss rate: 0.12%

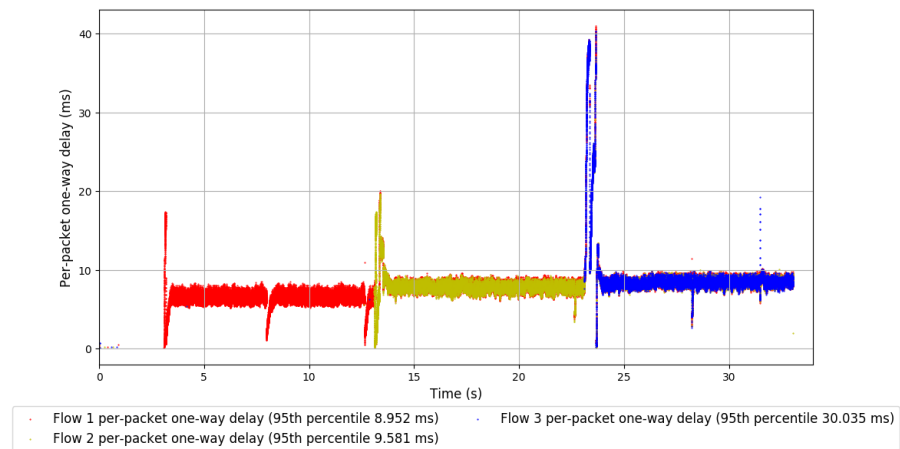
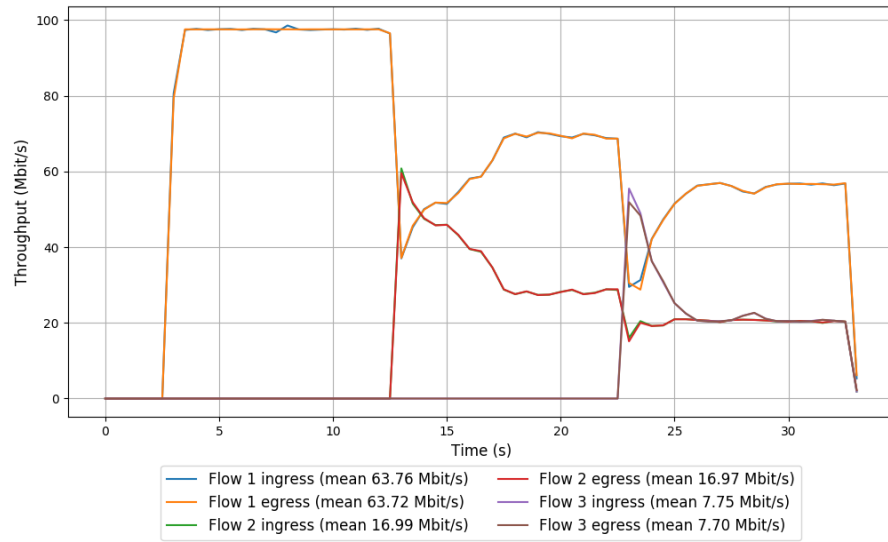
-- Flow 3:

Average throughput: 7.70 Mbit/s

95th percentile per-packet one-way delay: 30.035 ms

Loss rate: 0.70%

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



Run 10: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 21:12:37 +0000

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

Local clock offset: -1.854 ms

Remote clock offset: -1.369 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:13:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.37 Mbit/s

95th percentile per-packet one-way delay: 17.254 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 64.15 Mbit/s

95th percentile per-packet one-way delay: 17.310 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.88 Mbit/s

95th percentile per-packet one-way delay: 16.708 ms

Loss rate: 0.00%

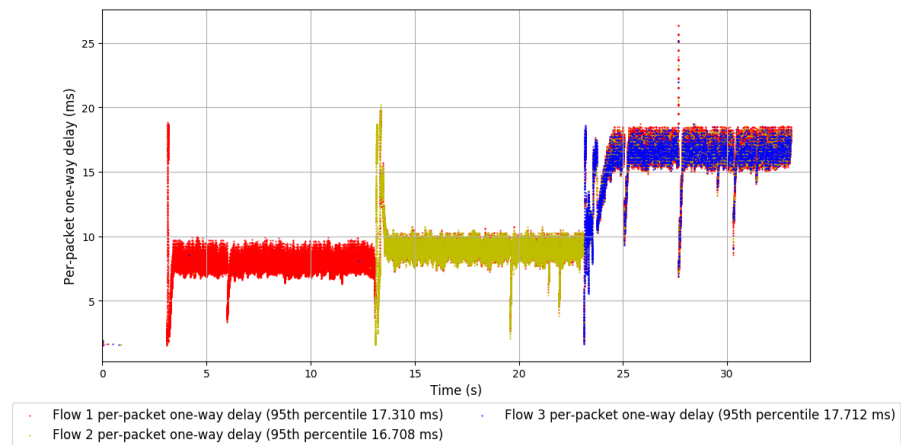
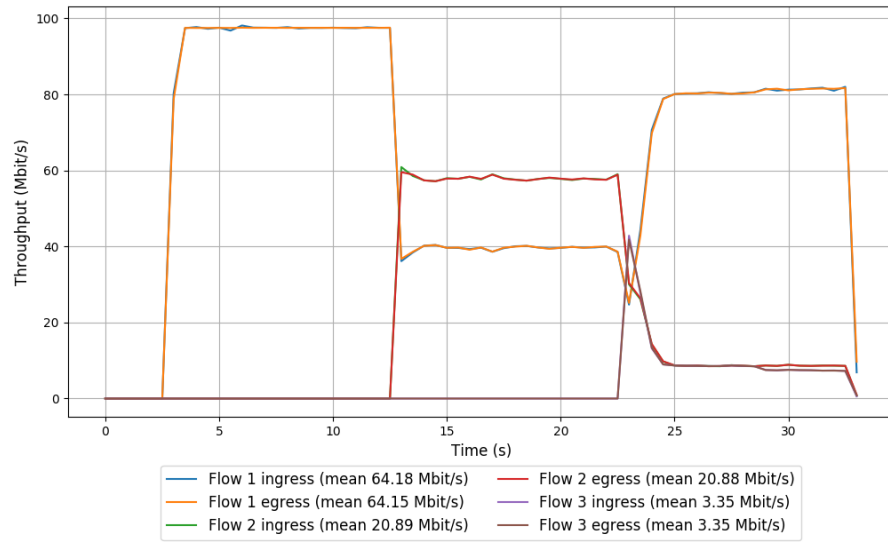
-- Flow 3:

Average throughput: 3.35 Mbit/s

95th percentile per-packet one-way delay: 17.712 ms

Loss rate: 0.00%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 18:41:53 +0000

End at: Tue, 04 Jul 2017 18:42:23 +0000

Local clock offset: -2.174 ms

Remote clock offset: 0.179 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:13:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.36 Mbit/s

95th percentile per-packet one-way delay: 11.521 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.00 Mbit/s

95th percentile per-packet one-way delay: 5.509 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.35 Mbit/s

95th percentile per-packet one-way delay: 9.262 ms

Loss rate: 0.00%

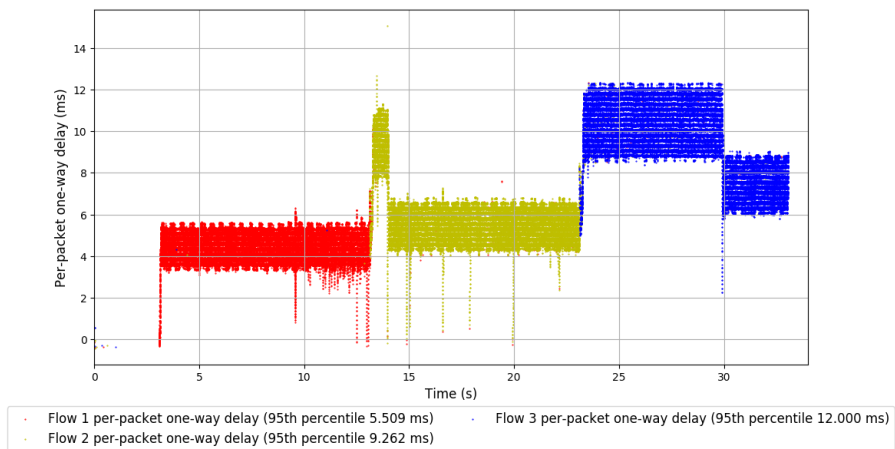
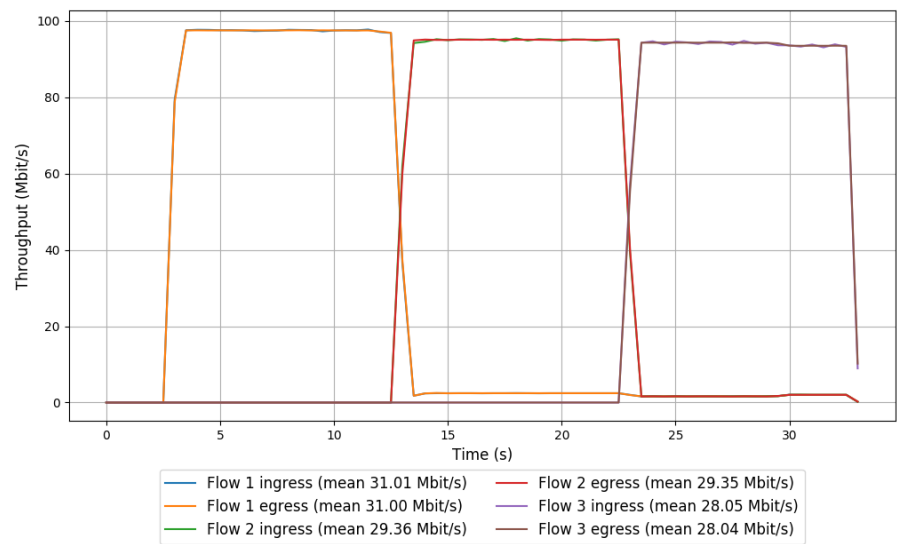
-- Flow 3:

Average throughput: 28.04 Mbit/s

95th percentile per-packet one-way delay: 12.000 ms

Loss rate: 0.00%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 18:58:56 +0000

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

Local clock offset: -2.415 ms

Remote clock offset: 0.342 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:13:37 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 10.580 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.34 Mbit/s

95th percentile per-packet one-way delay: 5.468 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 10.591 ms

Loss rate: 0.00%

-- Flow 3:

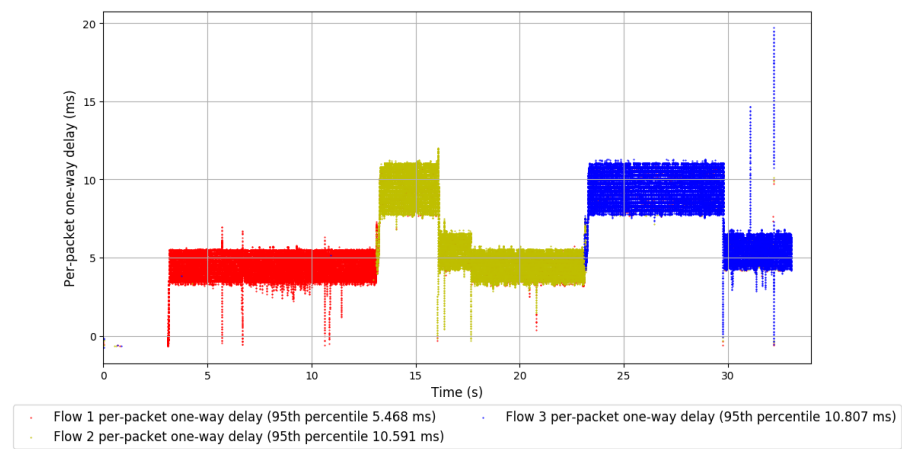
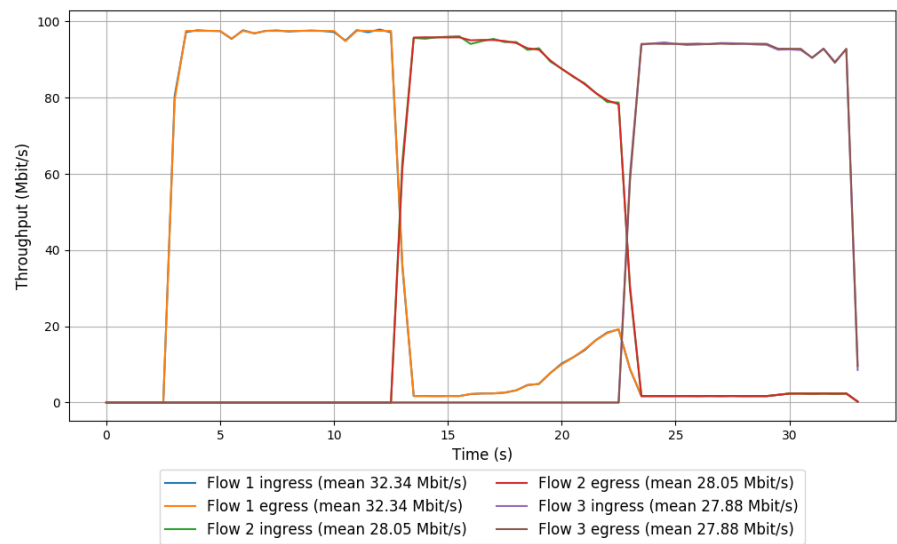
Average throughput: 27.88 Mbit/s

95th percentile per-packet one-way delay: 10.807 ms

Loss rate: 0.00%



Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:15:59 +0000

End at: Tue, 04 Jul 2017 19:16:29 +0000

Local clock offset: -2.453 ms

Remote clock offset: 0.285 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:13:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 72.43 Mbit/s

95th percentile per-packet one-way delay: 5.529 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 28.88 Mbit/s

95th percentile per-packet one-way delay: 5.496 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 17.08 Mbit/s

95th percentile per-packet one-way delay: 5.993 ms

Loss rate: 0.00%

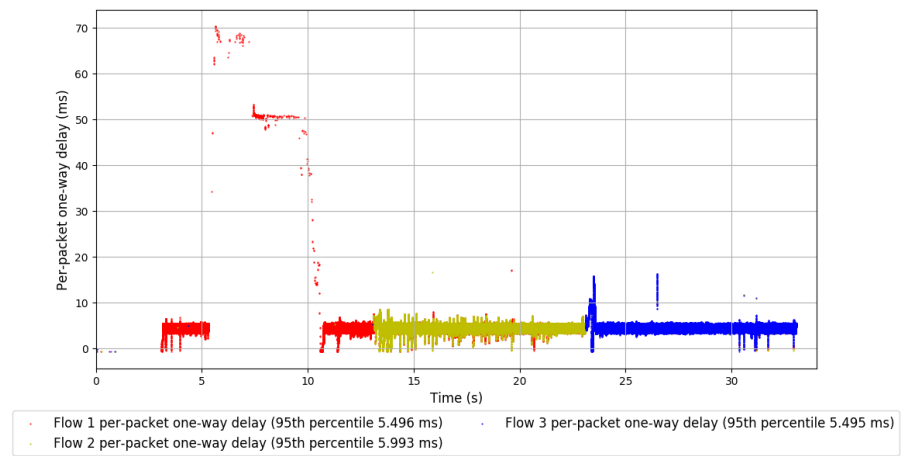
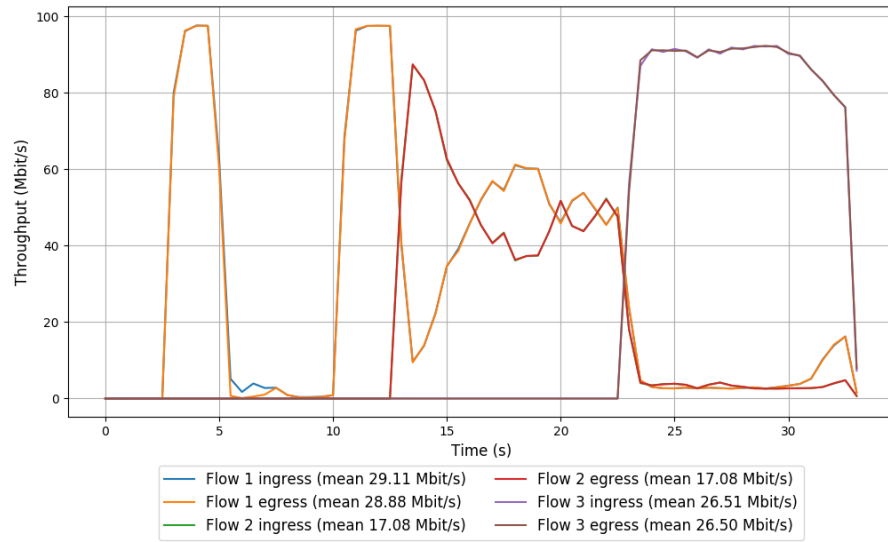
-- Flow 3:

Average throughput: 26.50 Mbit/s

95th percentile per-packet one-way delay: 5.495 ms

Loss rate: 0.01%

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



Run 4: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:33:42 +0000

End at: Tue, 04 Jul 2017 19:34:12 +0000

Local clock offset: -2.452 ms

Remote clock offset: 0.201 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:13:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 10.415 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.01 Mbit/s

95th percentile per-packet one-way delay: 5.457 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.22 Mbit/s

95th percentile per-packet one-way delay: 10.924 ms

Loss rate: 0.00%

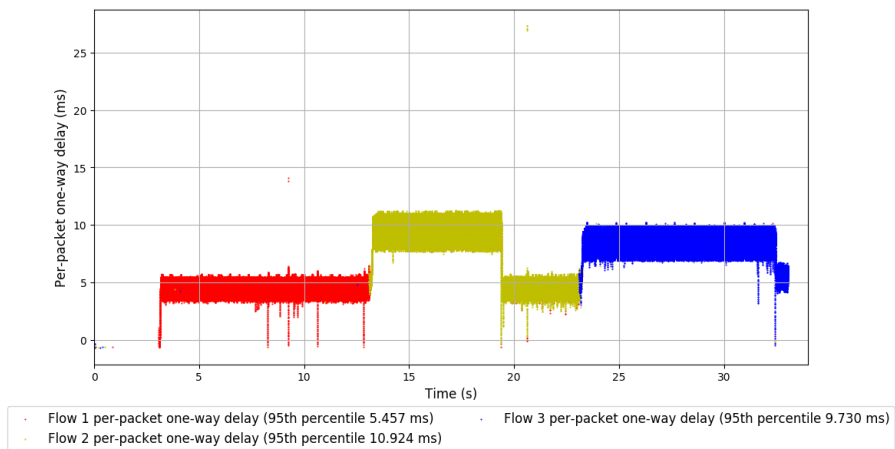
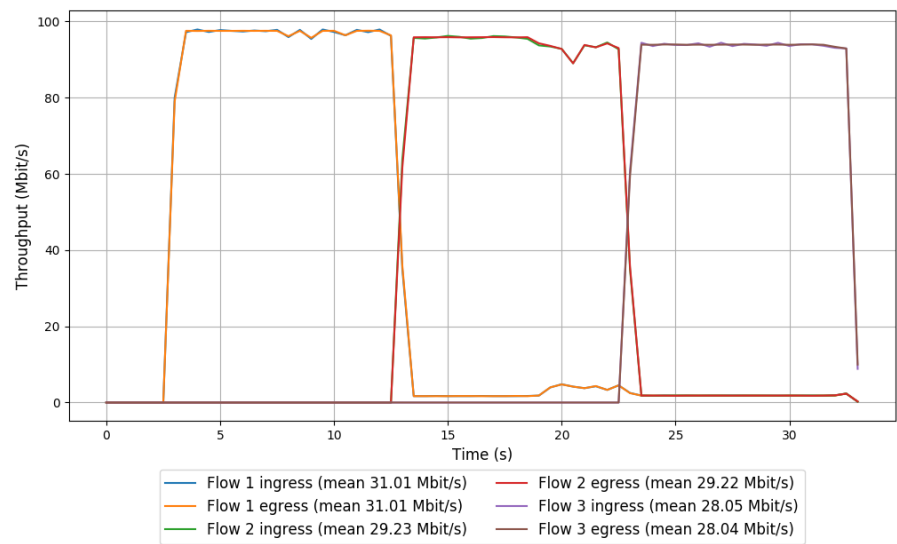
-- Flow 3:

Average throughput: 28.04 Mbit/s

95th percentile per-packet one-way delay: 9.730 ms

Loss rate: 0.00%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:50:51 +0000

End at: Tue, 04 Jul 2017 19:51:21 +0000

Local clock offset: -2.499 ms

Remote clock offset: 0.601 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:13:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 9.818 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 32.33 Mbit/s

95th percentile per-packet one-way delay: 5.560 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 28.10 Mbit/s

95th percentile per-packet one-way delay: 9.747 ms

Loss rate: 0.16%

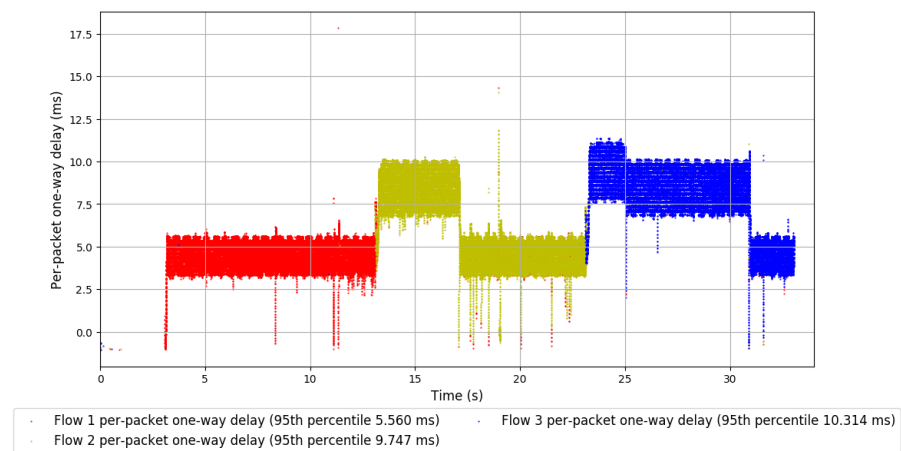
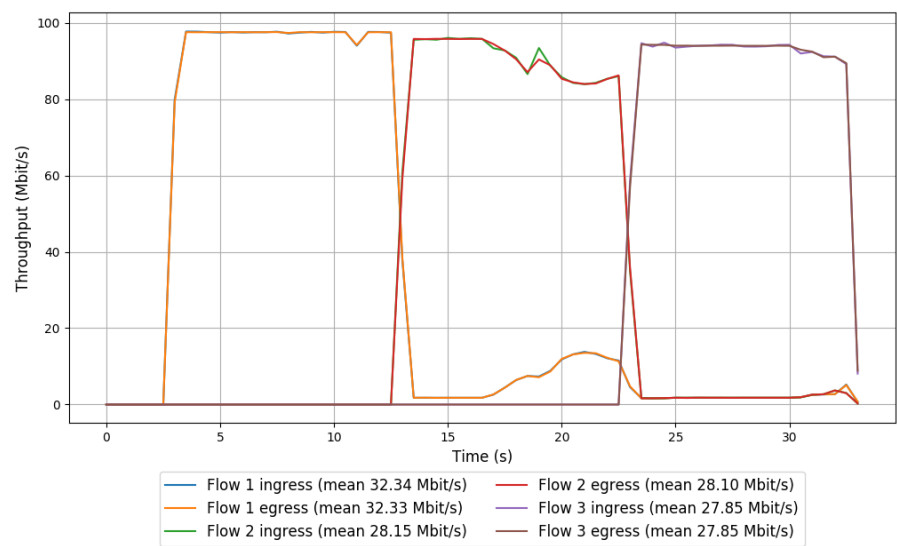
-- Flow 3:

Average throughput: 27.85 Mbit/s

95th percentile per-packet one-way delay: 10.314 ms

Loss rate: 0.00%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 20:07:53 +0000

End at: Tue, 04 Jul 2017 20:08:23 +0000

Local clock offset: -3.06 ms

Remote clock offset: 0.805 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:14:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 4.512 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.27 Mbit/s

95th percentile per-packet one-way delay: 4.460 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.82 Mbit/s

95th percentile per-packet one-way delay: 6.248 ms

Loss rate: 0.00%

-- Flow 3:

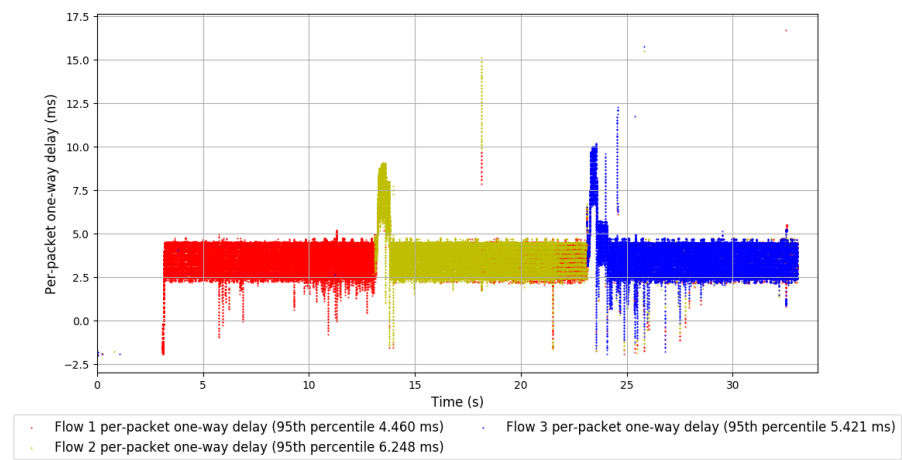
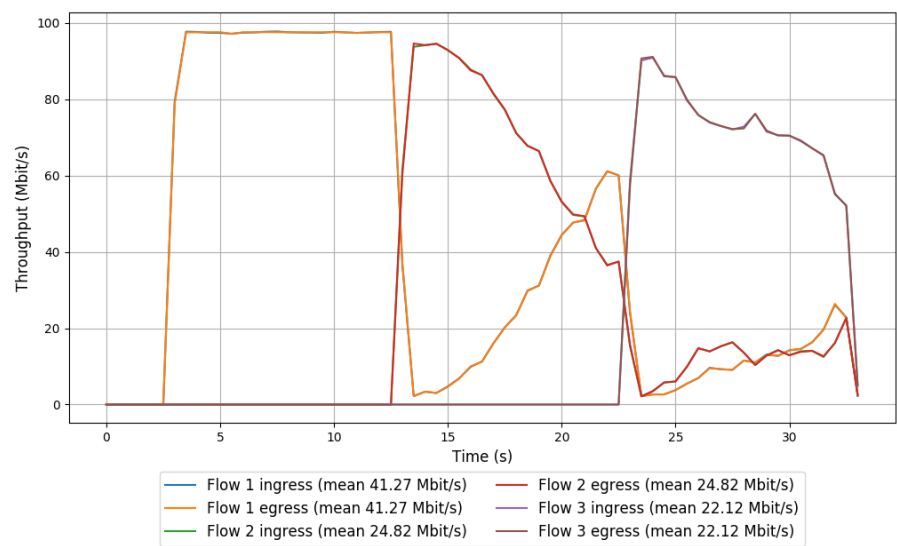
Average throughput: 22.12 Mbit/s

95th percentile per-packet one-way delay: 5.421 ms

Loss rate: 0.00%



Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 20:24:56 +0000

End at: Tue, 04 Jul 2017 20:25:26 +0000

Local clock offset: -3.223 ms

Remote clock offset: 0.815 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:14:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 9.419 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.31 Mbit/s

95th percentile per-packet one-way delay: 4.449 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.30 Mbit/s

95th percentile per-packet one-way delay: 4.835 ms

Loss rate: 0.00%

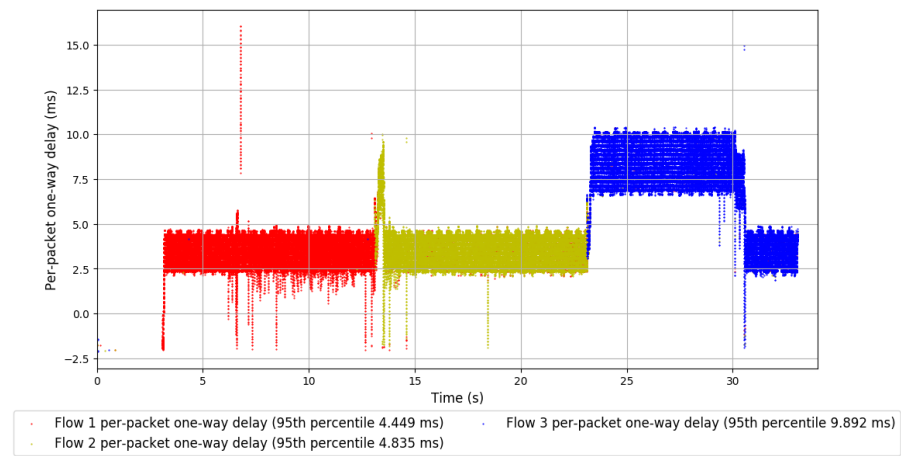
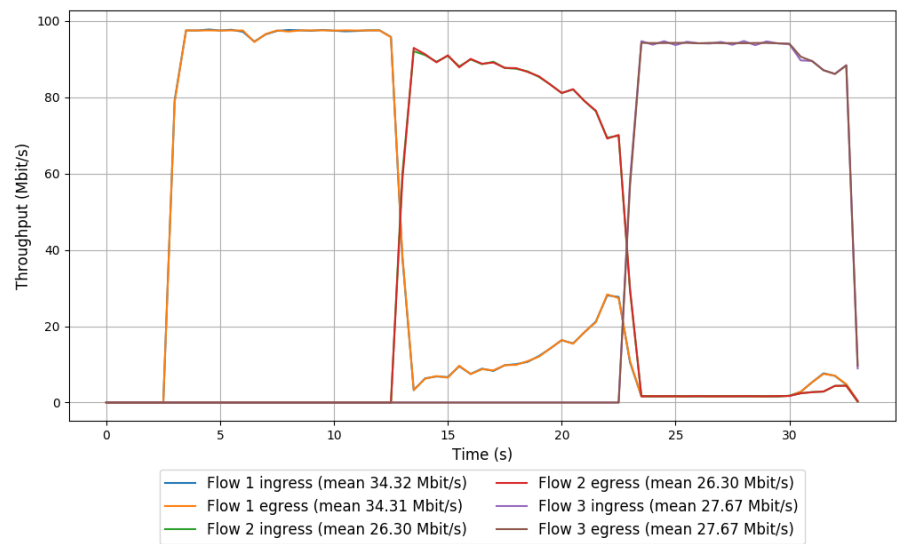
-- Flow 3:

Average throughput: 27.67 Mbit/s

95th percentile per-packet one-way delay: 9.892 ms

Loss rate: 0.00%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 20:42:02 +0000

End at: Tue, 04 Jul 2017 20:42:32 +0000

Local clock offset: -2.754 ms

Remote clock offset: 0.189 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:14:17 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.30 Mbit/s

95th percentile per-packet one-way delay: 10.540 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.51 Mbit/s

95th percentile per-packet one-way delay: 5.472 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.79 Mbit/s

95th percentile per-packet one-way delay: 7.483 ms

Loss rate: 0.00%

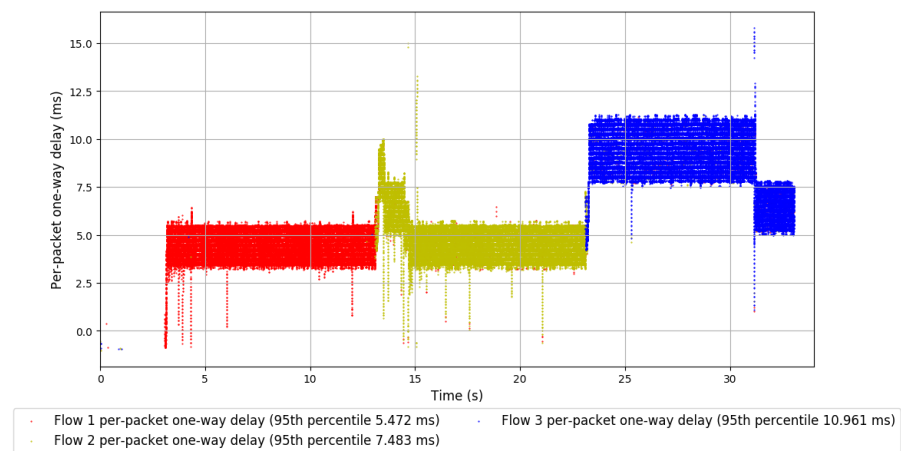
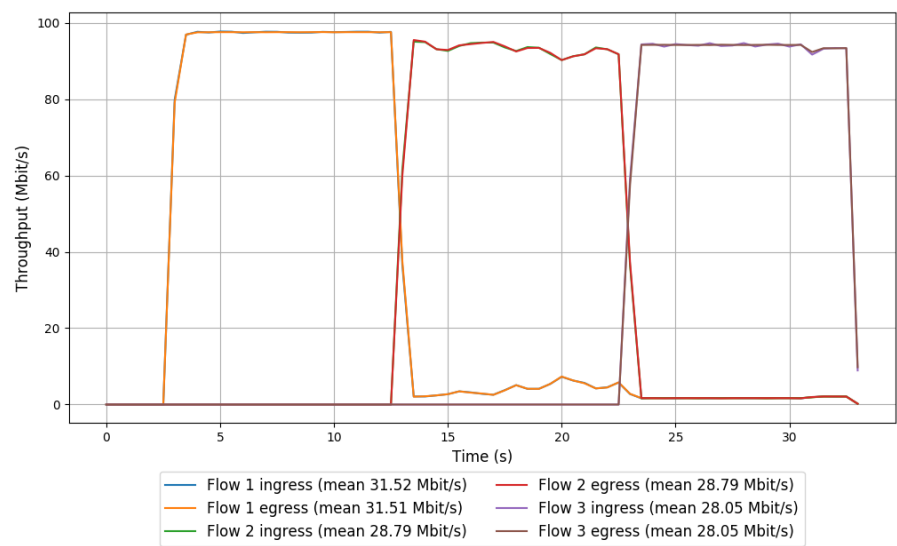
-- Flow 3:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 10.961 ms

Loss rate: 0.01%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 20:58:59 +0000

End at: Tue, 04 Jul 2017 20:59:29 +0000

Local clock offset: -2.271 ms

Remote clock offset: -0.539 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:14:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.30 Mbit/s

95th percentile per-packet one-way delay: 11.834 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.77 Mbit/s

95th percentile per-packet one-way delay: 6.521 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.45 Mbit/s

95th percentile per-packet one-way delay: 11.849 ms

Loss rate: 0.00%

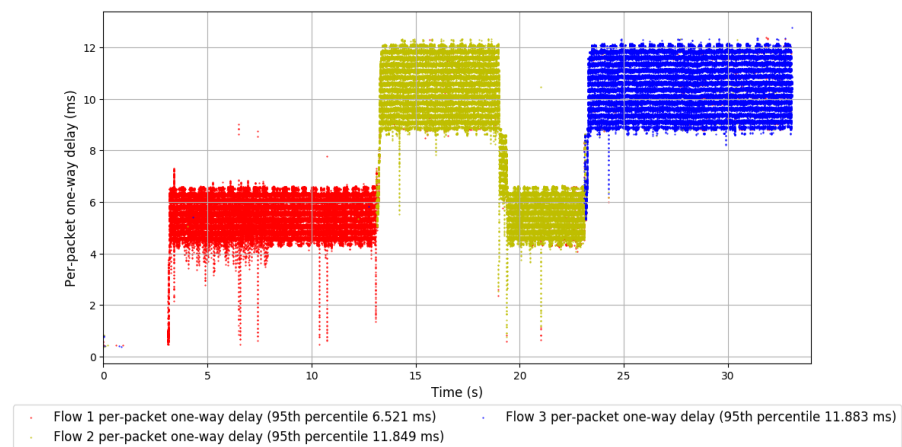
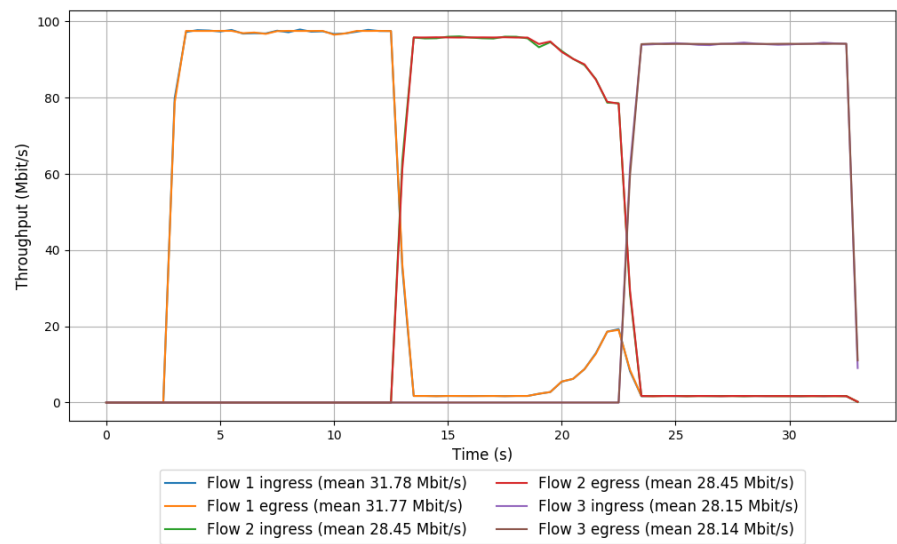
-- Flow 3:

Average throughput: 28.14 Mbit/s

95th percentile per-packet one-way delay: 11.883 ms

Loss rate: 0.01%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 21:16:03 +0000

End at: Tue, 04 Jul 2017 21:16:33 +0000

Local clock offset: -1.816 ms

Remote clock offset: -1.514 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:14:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 13.000 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.88 Mbit/s

95th percentile per-packet one-way delay: 8.497 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.85 Mbit/s

95th percentile per-packet one-way delay: 13.465 ms

Loss rate: 0.00%

-- Flow 3:

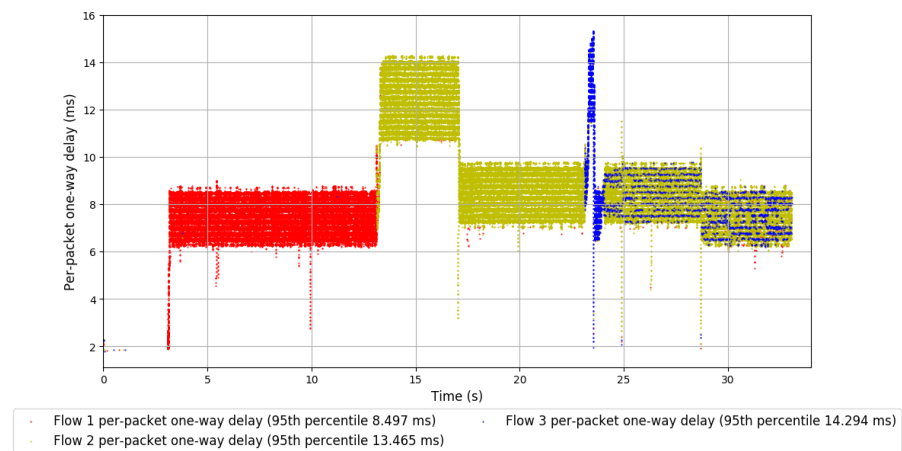
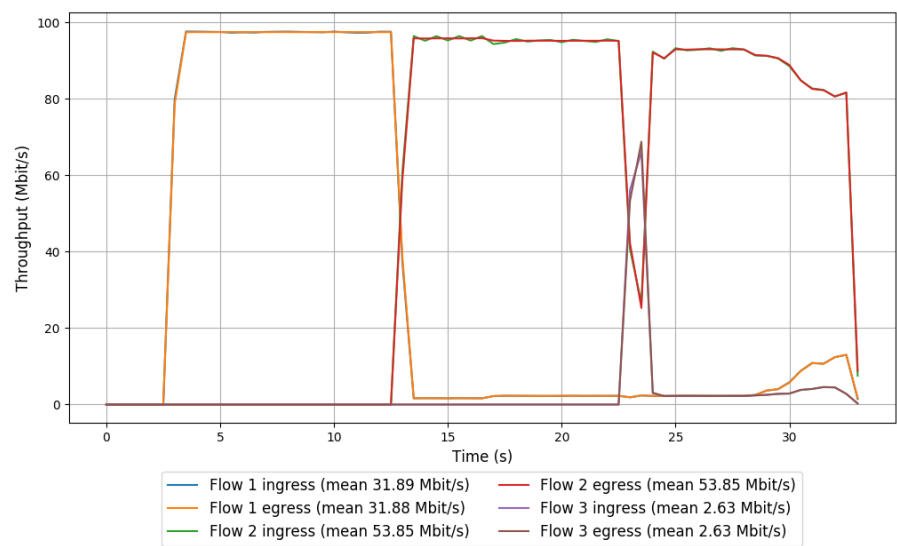
Average throughput: 2.63 Mbit/s

95th percentile per-packet one-way delay: 14.294 ms

Loss rate: 0.00%



Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Tue, 04 Jul 2017 18:50:56 +0000

End at: Tue, 04 Jul 2017 18:51:26 +0000

Local clock offset: -2.444 ms

Remote clock offset: 0.293 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:14:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 72.95 Mbit/s

95th percentile per-packet one-way delay: -0.168 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.86 Mbit/s

95th percentile per-packet one-way delay: -0.176 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.09 Mbit/s

95th percentile per-packet one-way delay: -0.158 ms

Loss rate: 0.00%

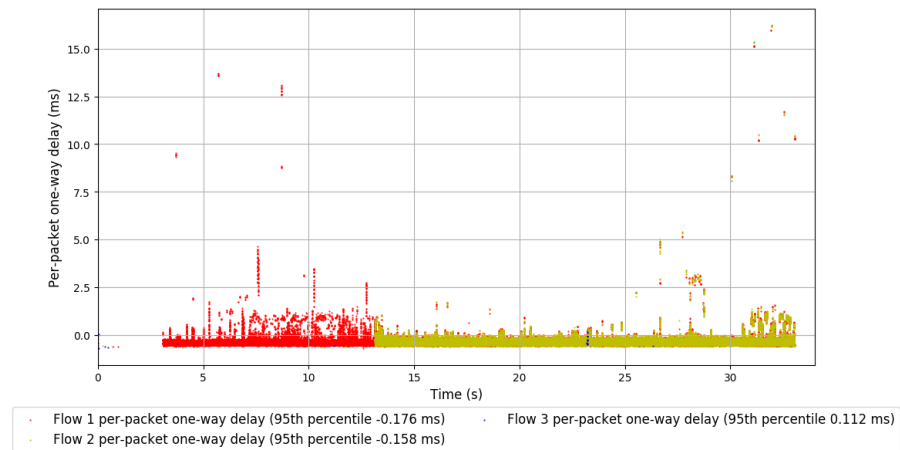
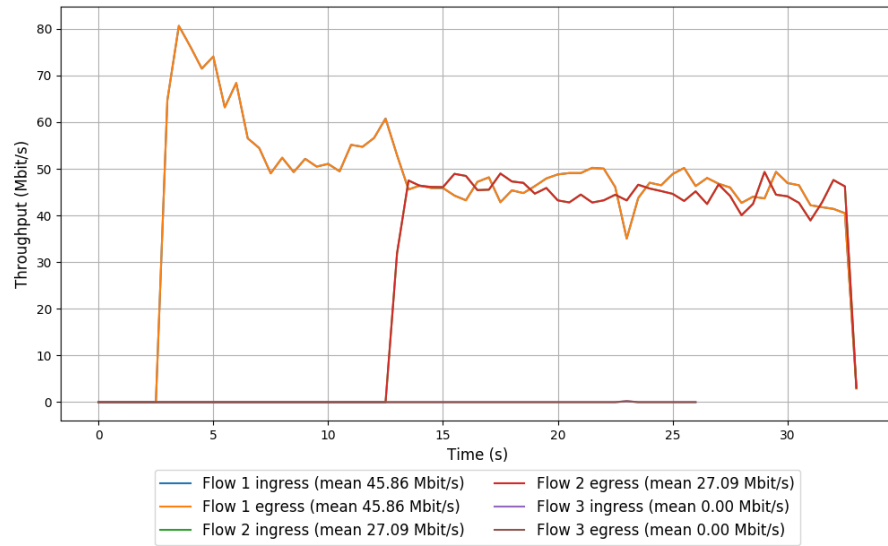
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.112 ms

Loss rate: 0.00%

## Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Tue, 04 Jul 2017 19:08:01 +0000

End at: Tue, 04 Jul 2017 19:08:31 +0000

Local clock offset: -2.466 ms

Remote clock offset: 0.333 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:14:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 74.14 Mbit/s

95th percentile per-packet one-way delay: -0.127 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.62 Mbit/s

95th percentile per-packet one-way delay: -0.172 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.65 Mbit/s

95th percentile per-packet one-way delay: -0.088 ms

Loss rate: 0.00%

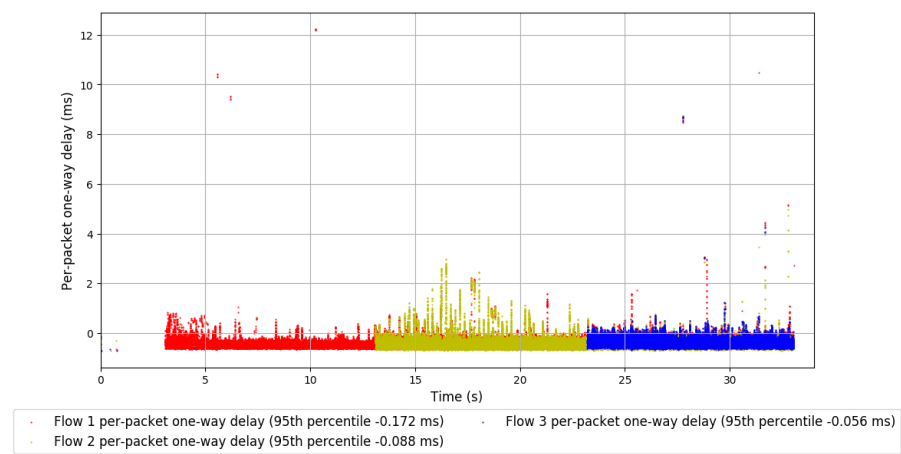
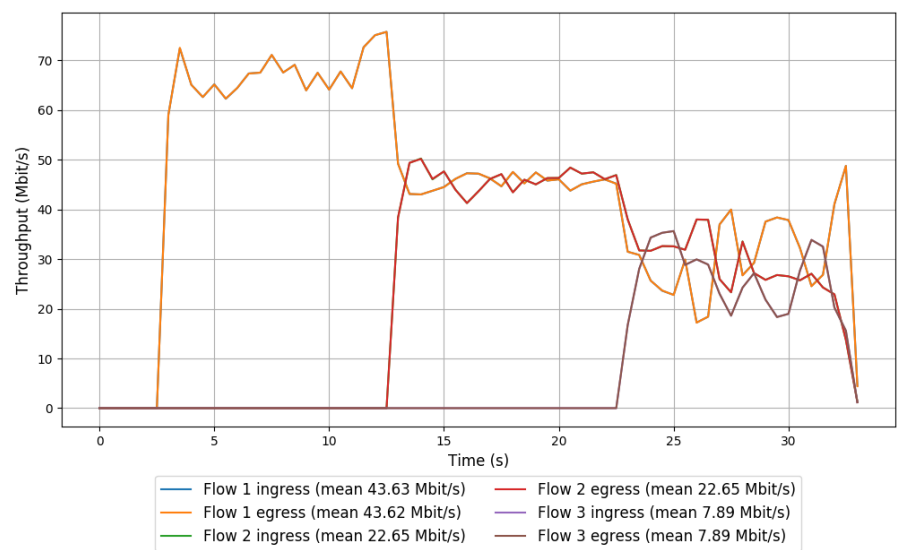
-- Flow 3:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: -0.056 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Tue, 04 Jul 2017 19:25:46 +0000

End at: Tue, 04 Jul 2017 19:26:16 +0000

Local clock offset: -2.399 ms

Remote clock offset: 0.176 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:14:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 46.70 Mbit/s

95th percentile per-packet one-way delay: -0.165 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.136 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.73 Mbit/s

95th percentile per-packet one-way delay: -0.193 ms

Loss rate: 0.00%

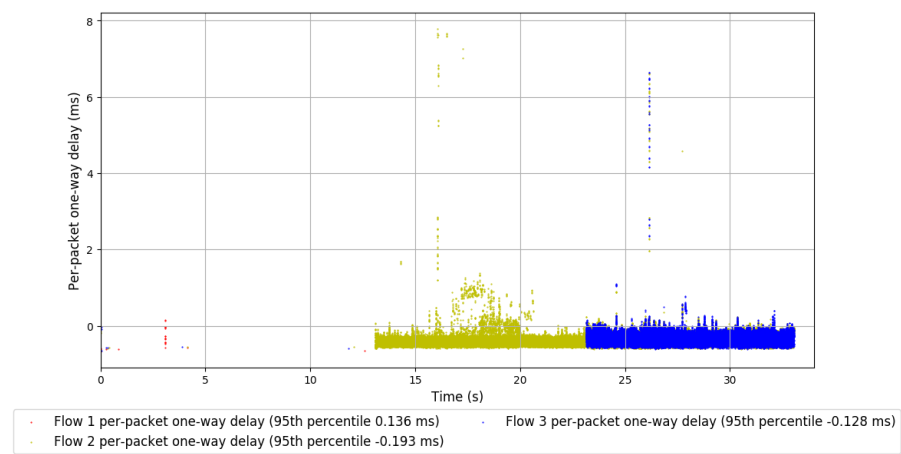
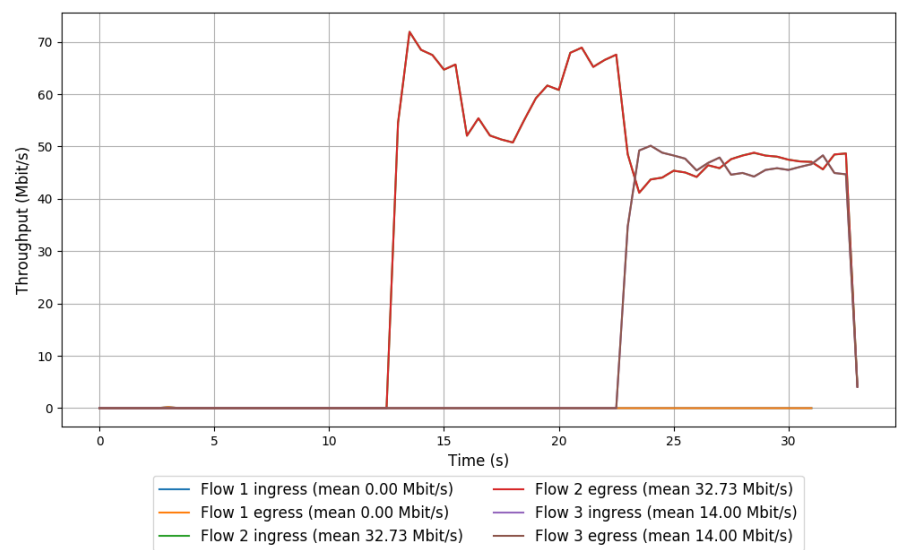
-- Flow 3:

Average throughput: 14.00 Mbit/s

95th percentile per-packet one-way delay: -0.128 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Tue, 04 Jul 2017 19:42:52 +0000

End at: Tue, 04 Jul 2017 19:43:22 +0000

Local clock offset: -2.543 ms

Remote clock offset: 0.452 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:15:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 74.37 Mbit/s

95th percentile per-packet one-way delay: -0.432 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.94 Mbit/s

95th percentile per-packet one-way delay: -0.503 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.85 Mbit/s

95th percentile per-packet one-way delay: -0.399 ms

Loss rate: 0.00%

-- Flow 3:

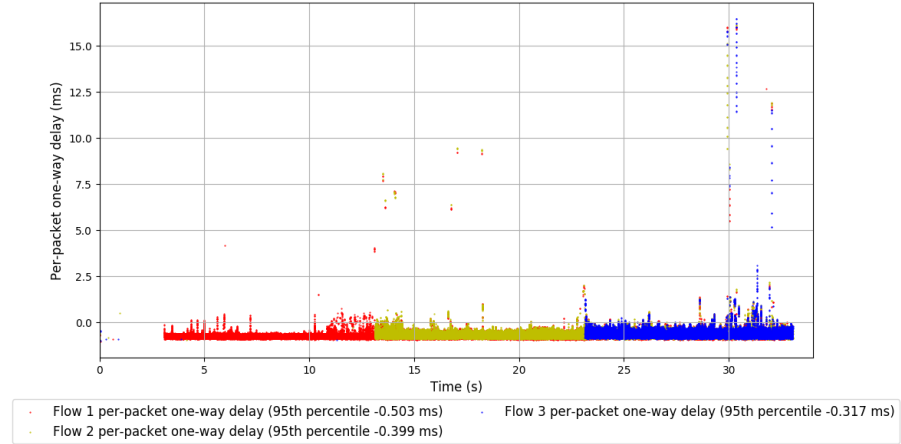
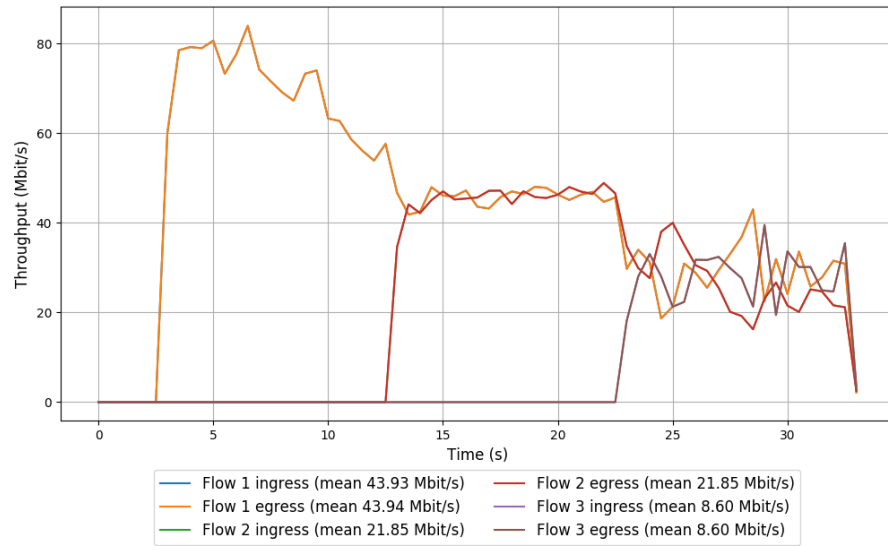
Average throughput: 8.60 Mbit/s

95th percentile per-packet one-way delay: -0.317 ms

Loss rate: 0.00%



# Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Tue, 04 Jul 2017 20:00:01 +0000

End at: Tue, 04 Jul 2017 20:00:31 +0000

Local clock offset: -2.489 ms

Remote clock offset: 0.82 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:15:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 22.23 Mbit/s

95th percentile per-packet one-way delay: -1.057 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.526 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.592 ms

Loss rate: 0.00%

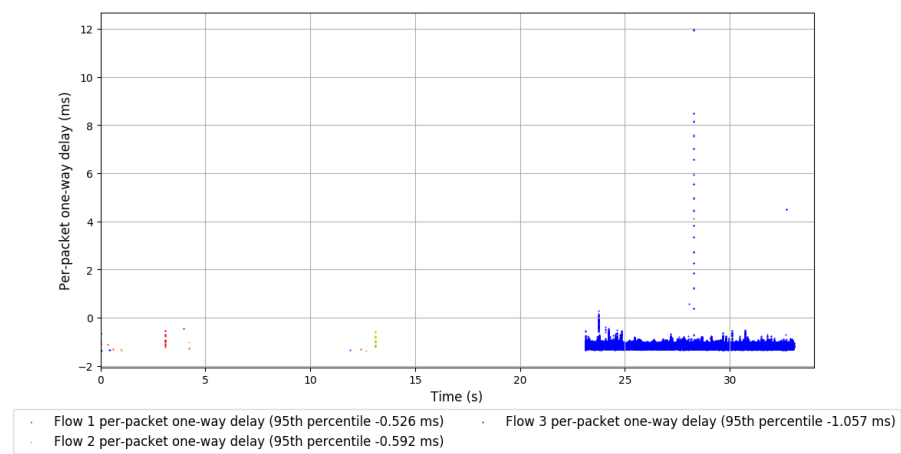
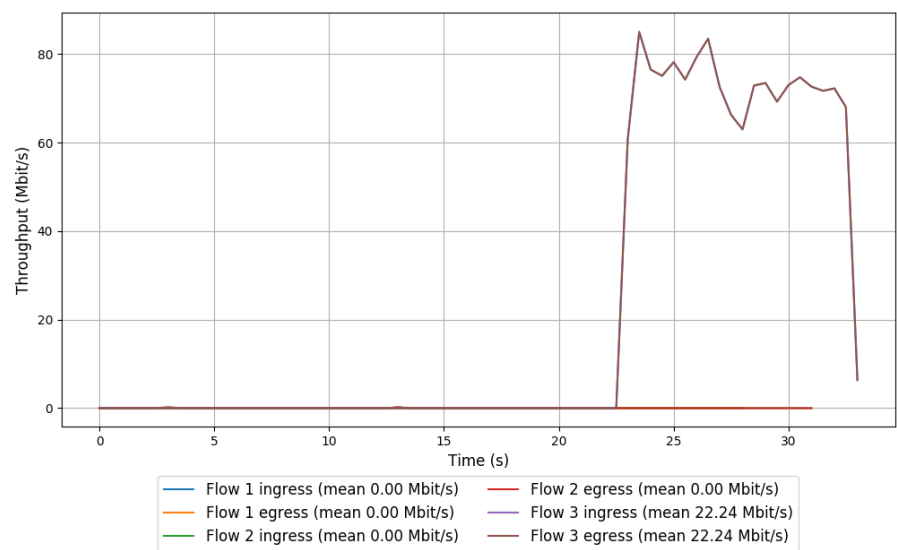
-- Flow 3:

Average throughput: 22.24 Mbit/s

95th percentile per-packet one-way delay: -1.057 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Tue, 04 Jul 2017 20:16:57 +0000

End at: Tue, 04 Jul 2017 20:17:27 +0000

Local clock offset: -3.423 ms

Remote clock offset: 0.862 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:15:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 72.75 Mbit/s

95th percentile per-packet one-way delay: -1.696 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.08 Mbit/s

95th percentile per-packet one-way delay: -1.754 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.32 Mbit/s

95th percentile per-packet one-way delay: -1.659 ms

Loss rate: 0.00%

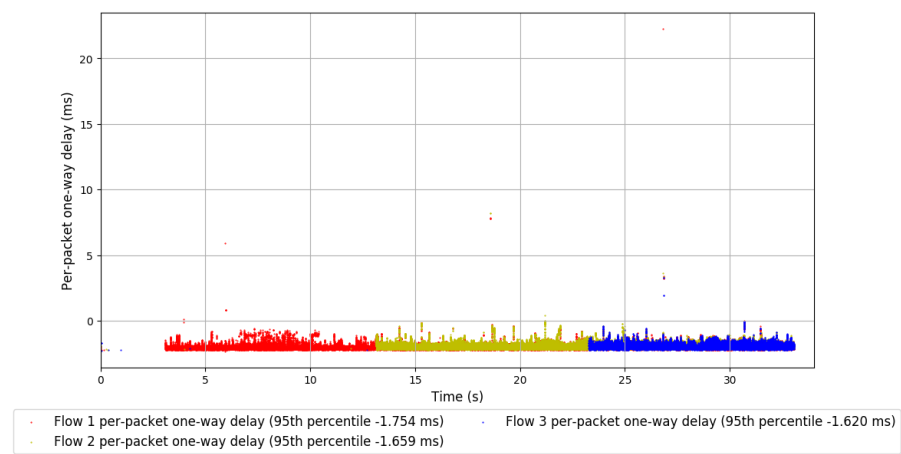
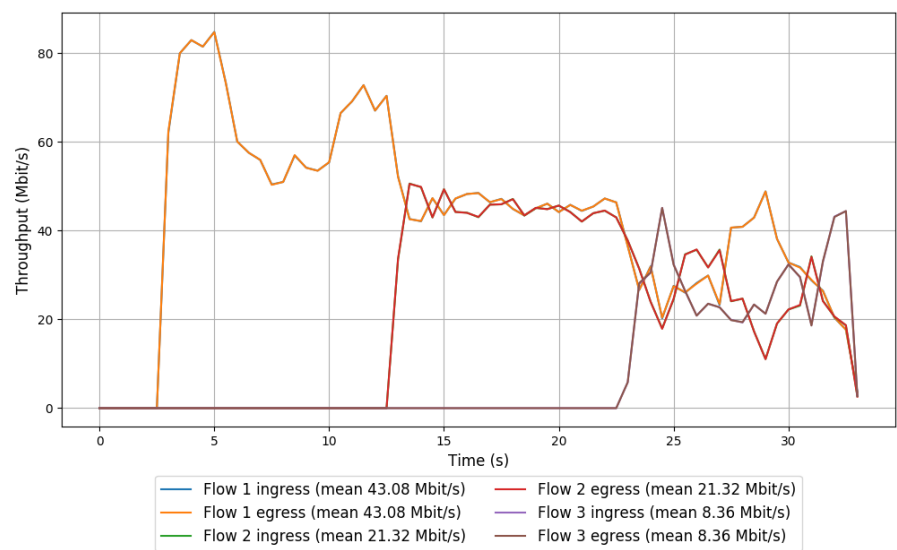
-- Flow 3:

Average throughput: 8.36 Mbit/s

95th percentile per-packet one-way delay: -1.620 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Tue, 04 Jul 2017 20:34:06 +0000

End at: Tue, 04 Jul 2017 20:34:37 +0000

Local clock offset: -2.99 ms

Remote clock offset: 0.636 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:15:27 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 49.31 Mbit/s

95th percentile per-packet one-way delay: -1.095 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.861 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.51 Mbit/s

95th percentile per-packet one-way delay: -1.120 ms

Loss rate: 0.00%

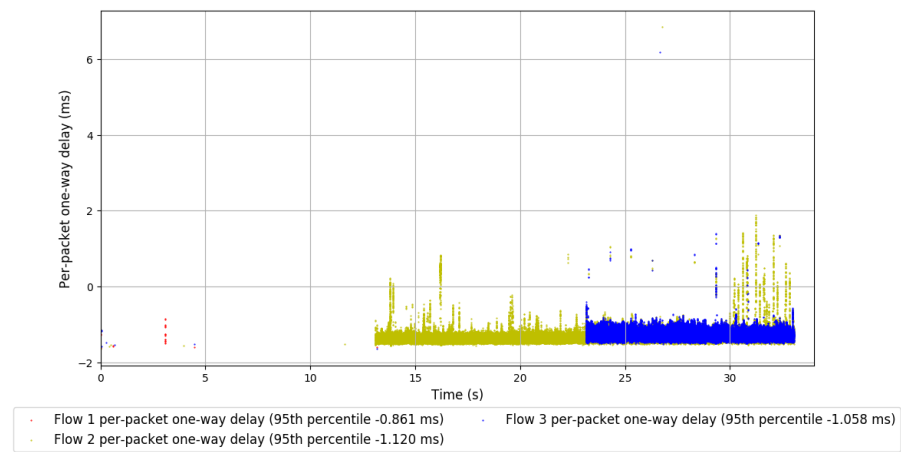
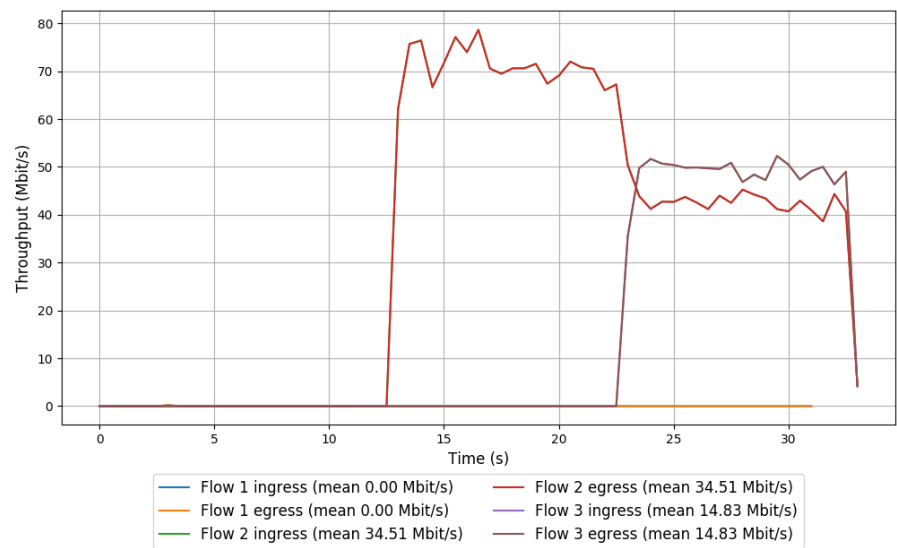
-- Flow 3:

Average throughput: 14.83 Mbit/s

95th percentile per-packet one-way delay: -1.058 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Tue, 04 Jul 2017 20:51:05 +0000

End at: Tue, 04 Jul 2017 20:51:35 +0000

Local clock offset: -2.576 ms

Remote clock offset: -0.17 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:15:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 45.18 Mbit/s

95th percentile per-packet one-way delay: 0.124 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.477 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.19 Mbit/s

95th percentile per-packet one-way delay: 0.124 ms

Loss rate: 0.01%

-- Flow 3:

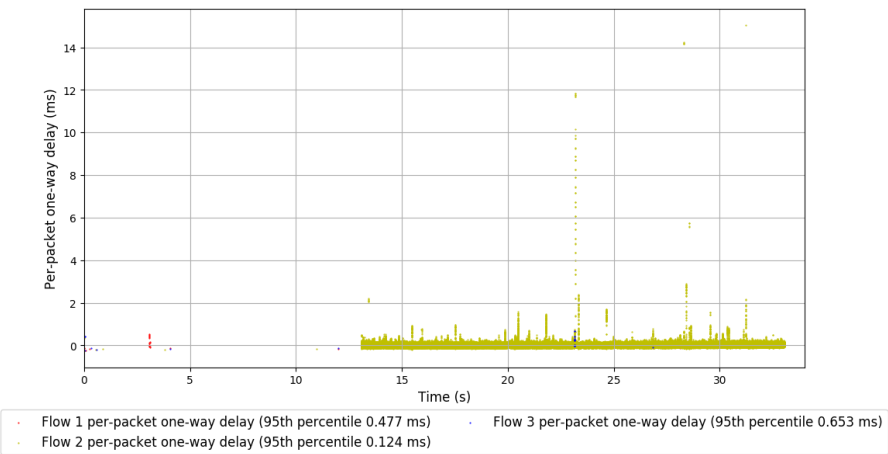
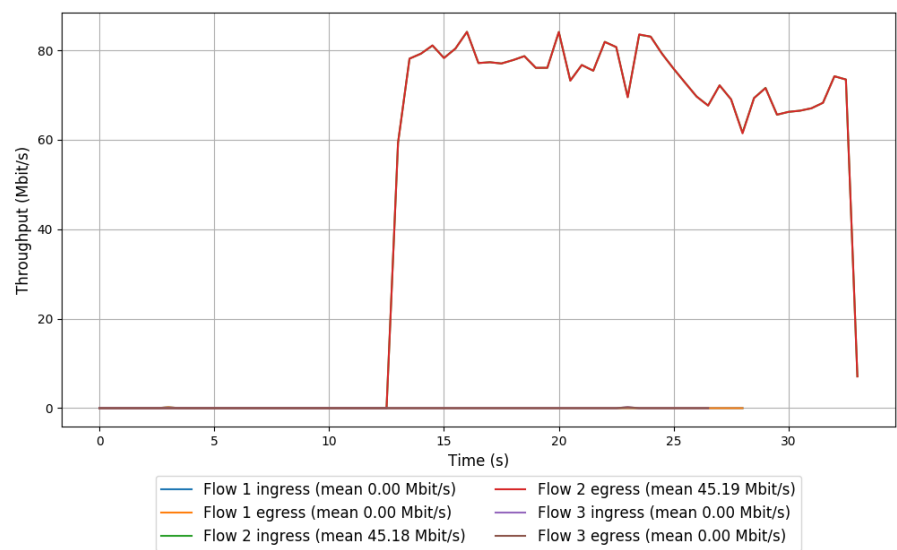
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.653 ms

Loss rate: 0.00%



Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Tue, 04 Jul 2017 21:08:05 +0000

End at: Tue, 04 Jul 2017 21:08:35 +0000

Local clock offset: -1.927 ms

Remote clock offset: -1.011 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:15:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.74 Mbit/s

95th percentile per-packet one-way delay: 1.694 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.15 Mbit/s

95th percentile per-packet one-way delay: 1.639 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.89 Mbit/s

95th percentile per-packet one-way delay: 1.720 ms

Loss rate: 0.00%

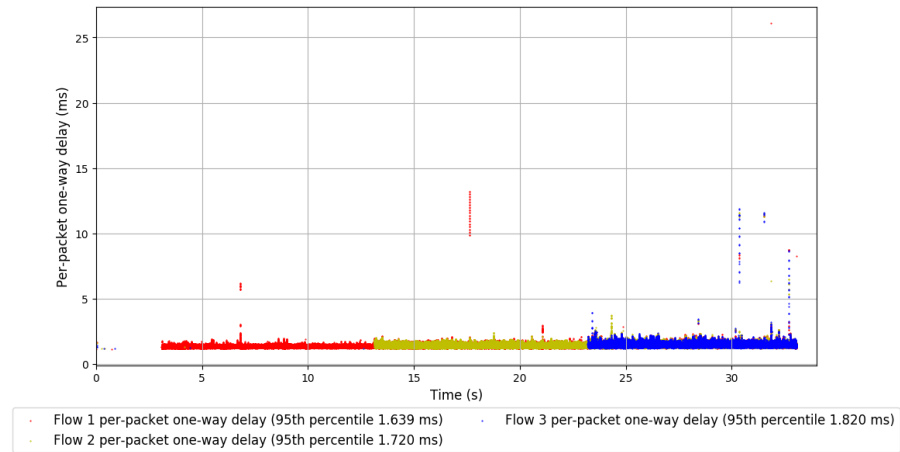
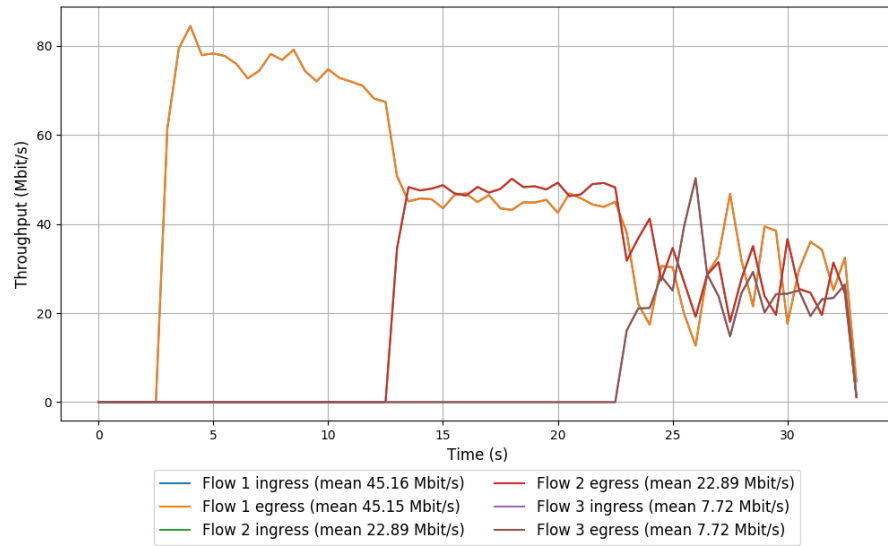
-- Flow 3:

Average throughput: 7.72 Mbit/s

95th percentile per-packet one-way delay: 1.820 ms

Loss rate: 0.00%

## Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Tue, 04 Jul 2017 21:25:11 +0000

End at: Tue, 04 Jul 2017 21:25:41 +0000

Local clock offset: -1.493 ms

Remote clock offset: -1.926 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:15:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 48.67 Mbit/s

95th percentile per-packet one-way delay: 2.931 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 3.218 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.86 Mbit/s

95th percentile per-packet one-way delay: 2.920 ms

Loss rate: 0.00%

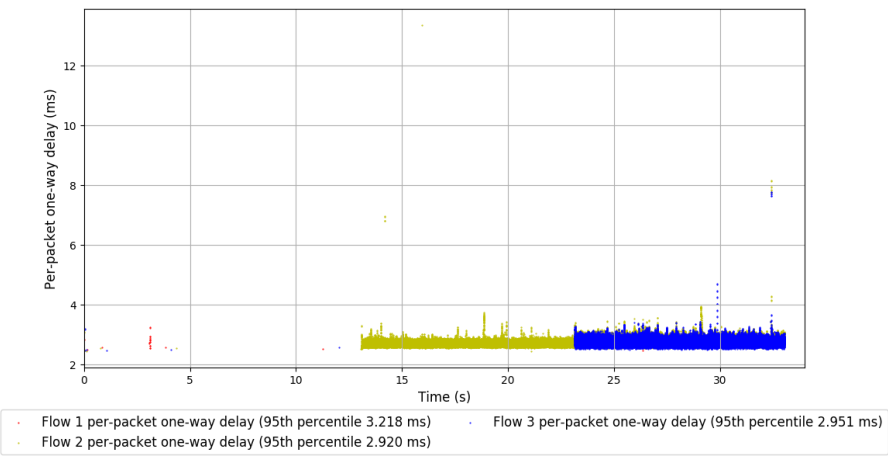
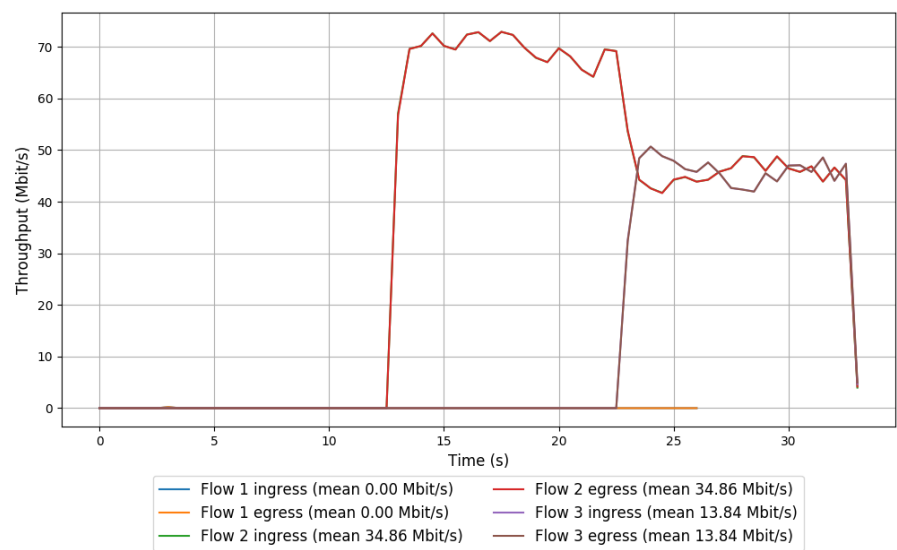
-- Flow 3:

Average throughput: 13.84 Mbit/s

95th percentile per-packet one-way delay: 2.951 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 18:45:15 +0000

End at: Tue, 04 Jul 2017 18:45:45 +0000

Local clock offset: -2.278 ms

Remote clock offset: 0.22 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:15:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.38 Mbit/s

95th percentile per-packet one-way delay: 38.910 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 64.77 Mbit/s

95th percentile per-packet one-way delay: 38.877 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 15.55 Mbit/s

95th percentile per-packet one-way delay: 38.963 ms

Loss rate: 1.36%

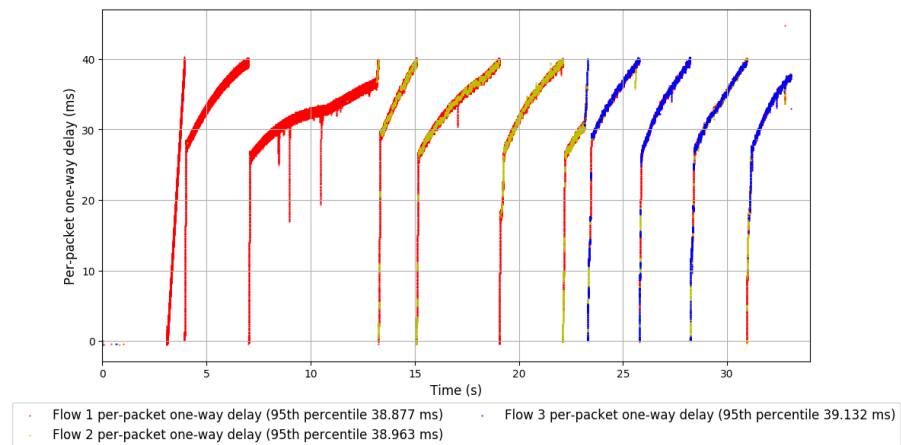
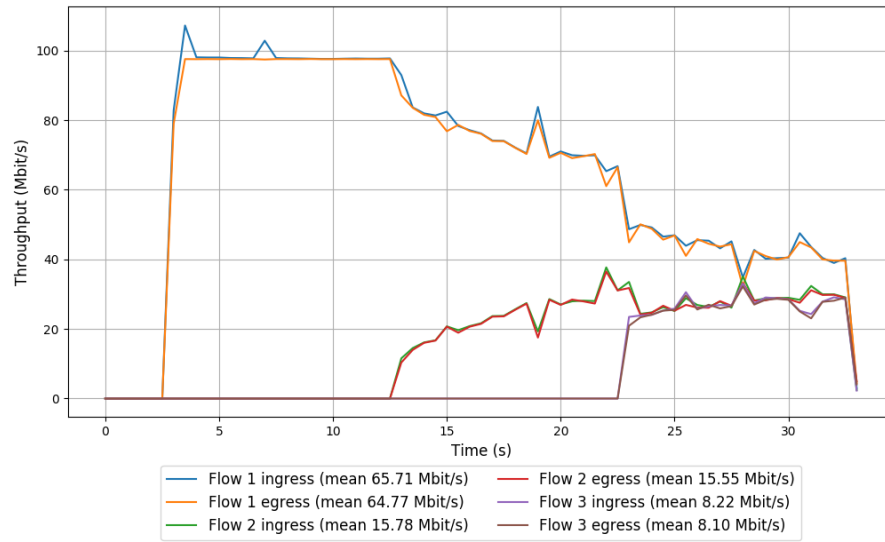
-- Flow 3:

Average throughput: 8.10 Mbit/s

95th percentile per-packet one-way delay: 39.132 ms

Loss rate: 1.39%

# Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 19:02:18 +0000

End at: Tue, 04 Jul 2017 19:02:48 +0000

Local clock offset: -2.376 ms

Remote clock offset: 0.278 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:16:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 38.733 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 65.79 Mbit/s

95th percentile per-packet one-way delay: 38.682 ms

Loss rate: 1.28%

-- Flow 2:

Average throughput: 14.29 Mbit/s

95th percentile per-packet one-way delay: 39.001 ms

Loss rate: 1.46%

-- Flow 3:

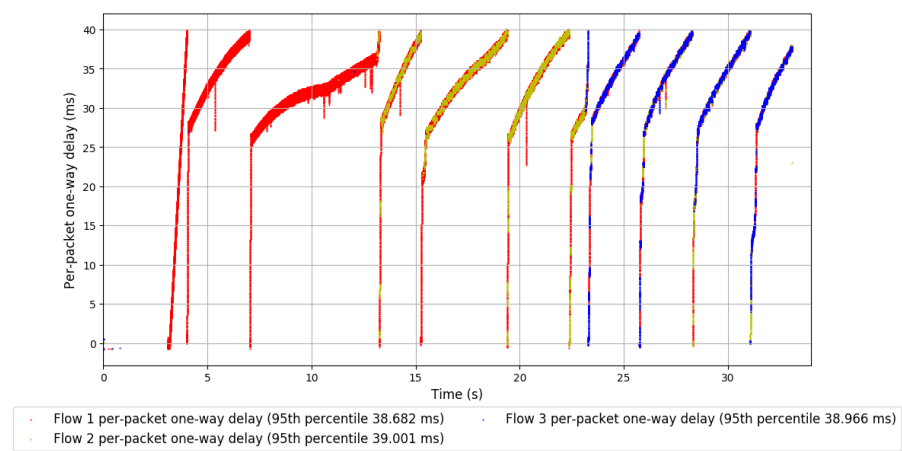
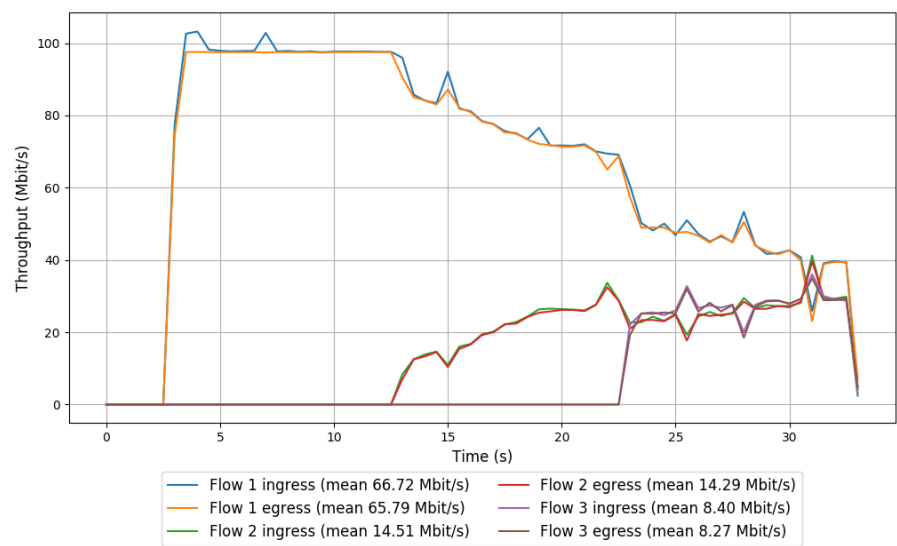
Average throughput: 8.27 Mbit/s

95th percentile per-packet one-way delay: 38.966 ms

Loss rate: 1.45%



Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 19:20:05 +0000

End at: Tue, 04 Jul 2017 19:20:35 +0000

Local clock offset: -2.484 ms

Remote clock offset: 0.312 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:16:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.36 Mbit/s

95th percentile per-packet one-way delay: 38.698 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 66.22 Mbit/s

95th percentile per-packet one-way delay: 38.473 ms

Loss rate: 1.09%

-- Flow 2:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 39.016 ms

Loss rate: 1.79%

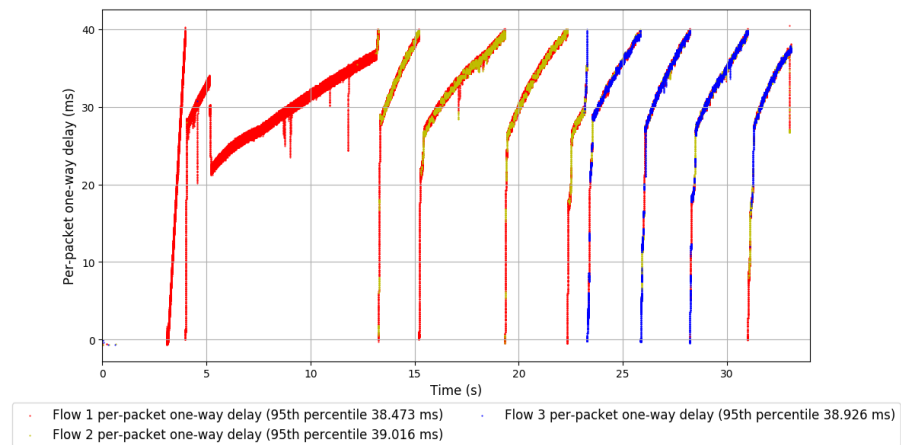
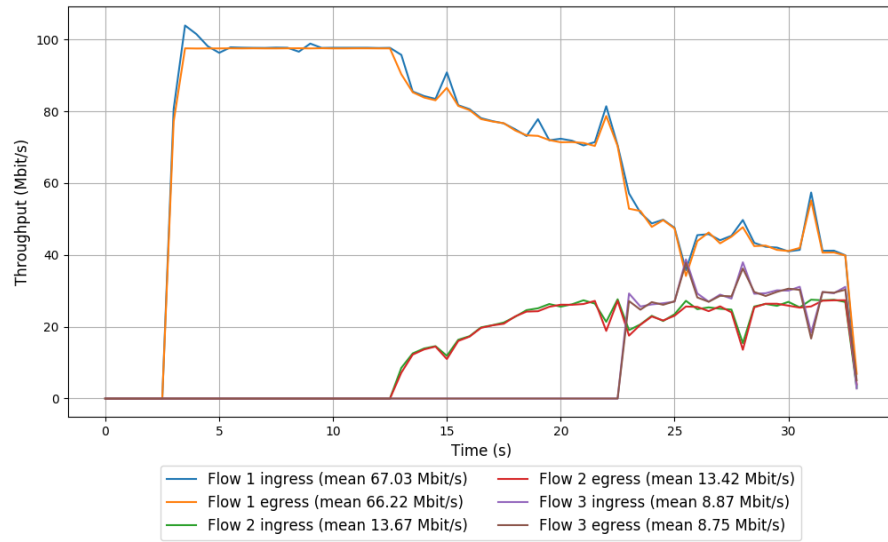
-- Flow 3:

Average throughput: 8.75 Mbit/s

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

Loss rate: 1.24%

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



Run 4: Statistics of TCP Cubic

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

End at: Tue, 04 Jul 2017 19:37:34 +0000

Local clock offset: -2.458 ms

Remote clock offset: 0.354 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:16:18 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.38 Mbit/s

95th percentile per-packet one-way delay: 38.573 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 64.12 Mbit/s

95th percentile per-packet one-way delay: 38.558 ms

Loss rate: 1.27%

-- Flow 2:

Average throughput: 15.32 Mbit/s

95th percentile per-packet one-way delay: 38.610 ms

Loss rate: 1.62%

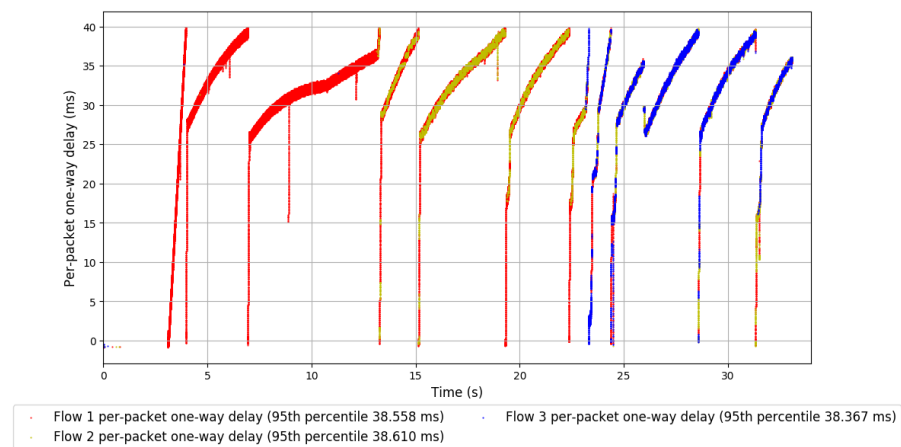
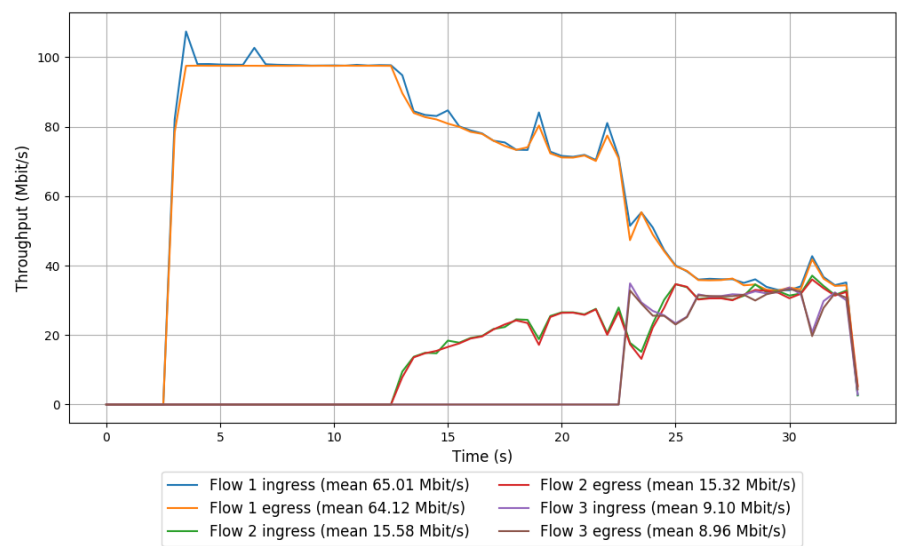
-- Flow 3:

Average throughput: 8.96 Mbit/s

95th percentile per-packet one-way delay: 38.367 ms

Loss rate: 1.43%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 19:54:13 +0000

End at: Tue, 04 Jul 2017 19:54:43 +0000

Local clock offset: -2.486 ms

Remote clock offset: 0.685 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:16:27 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.36 Mbit/s

95th percentile per-packet one-way delay: 38.332 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 59.66 Mbit/s

95th percentile per-packet one-way delay: 38.269 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 20.74 Mbit/s

95th percentile per-packet one-way delay: 38.550 ms

Loss rate: 1.75%

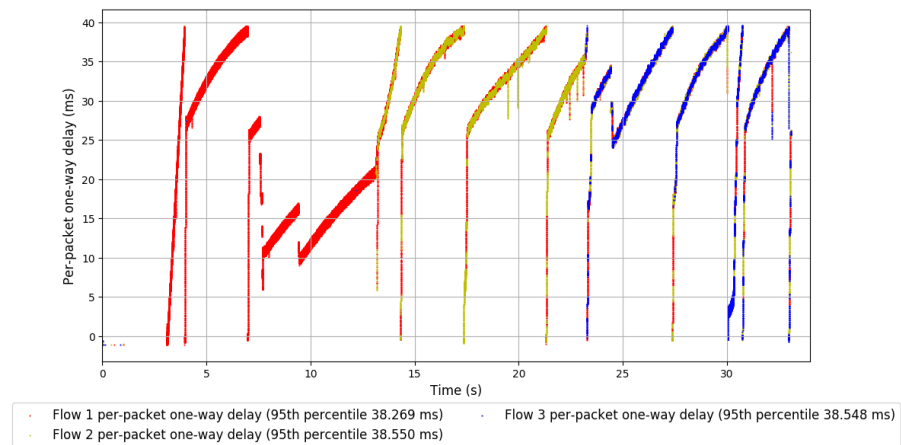
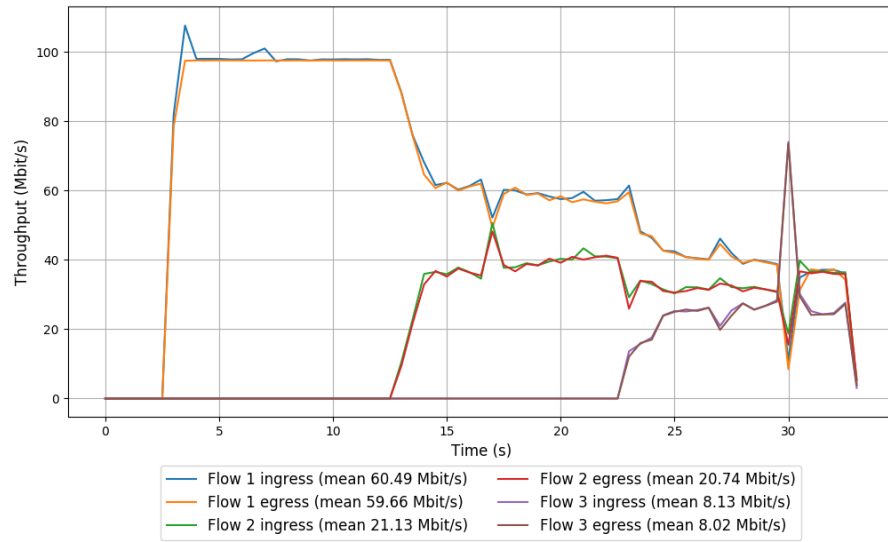
-- Flow 3:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 38.548 ms

Loss rate: 1.39%

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



Run 6: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 20:11:15 +0000

End at: Tue, 04 Jul 2017 20:11:45 +0000

Local clock offset: -3.298 ms

Remote clock offset: 0.889 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:16:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.39 Mbit/s

95th percentile per-packet one-way delay: 37.264 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 64.95 Mbit/s

95th percentile per-packet one-way delay: 37.201 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 14.98 Mbit/s

95th percentile per-packet one-way delay: 37.488 ms

Loss rate: 1.46%

-- Flow 3:

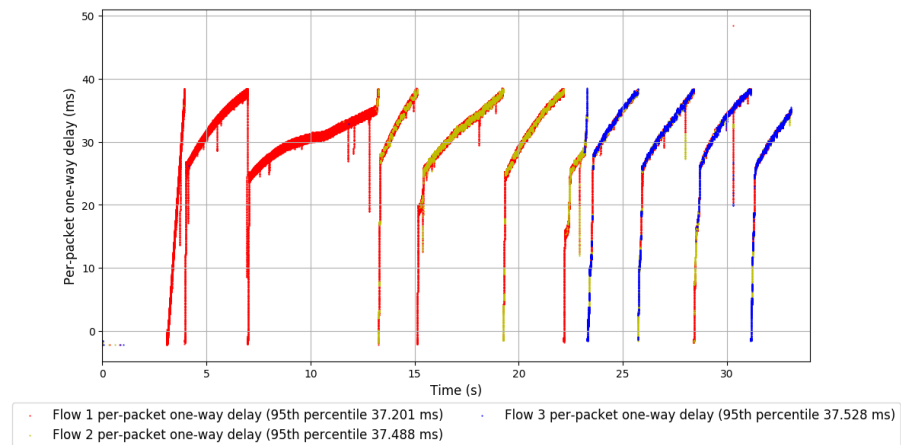
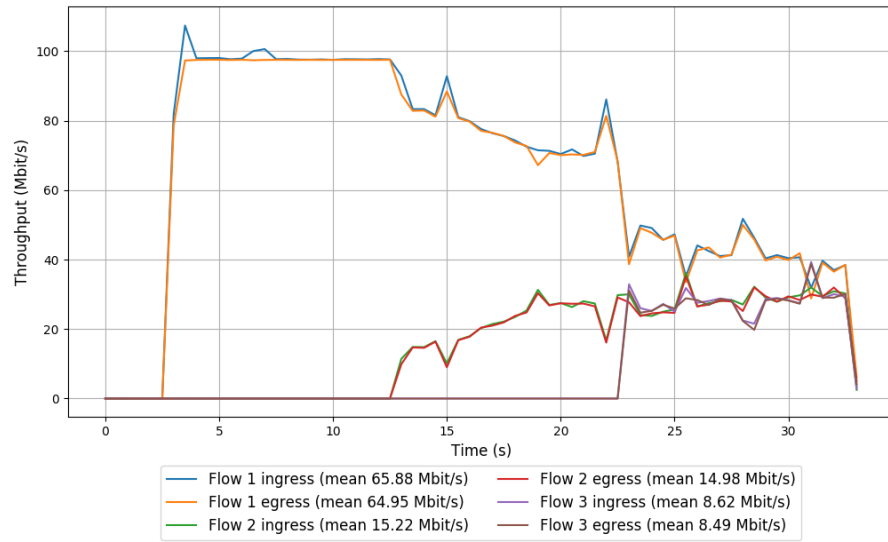
Average throughput: 8.49 Mbit/s

95th percentile per-packet one-way delay: 37.528 ms

Loss rate: 1.40%



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



Run 7: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 20:28:18 +0000

End at: Tue, 04 Jul 2017 20:28:48 +0000

Local clock offset: -3.182 ms

Remote clock offset: 0.8 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:16:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.39 Mbit/s

95th percentile per-packet one-way delay: 37.672 ms

Loss rate: 1.46%

-- Flow 1:

Average throughput: 67.28 Mbit/s

95th percentile per-packet one-way delay: 37.566 ms

Loss rate: 1.37%

-- Flow 2:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 37.809 ms

Loss rate: 1.75%

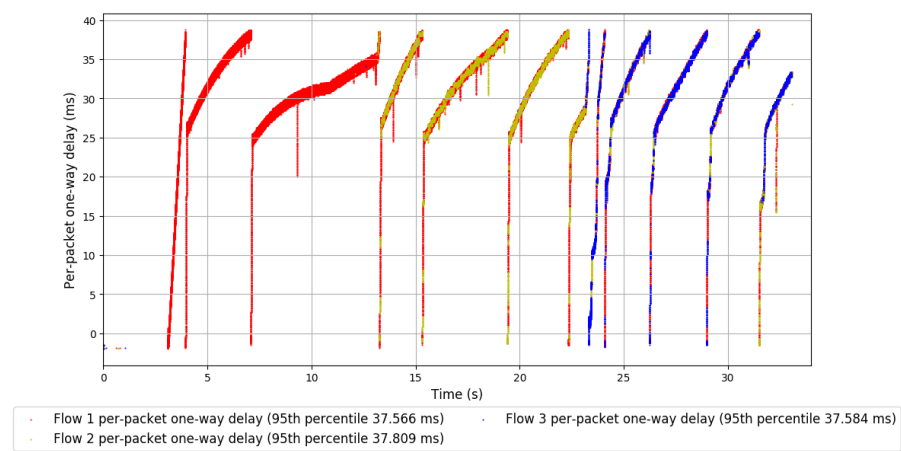
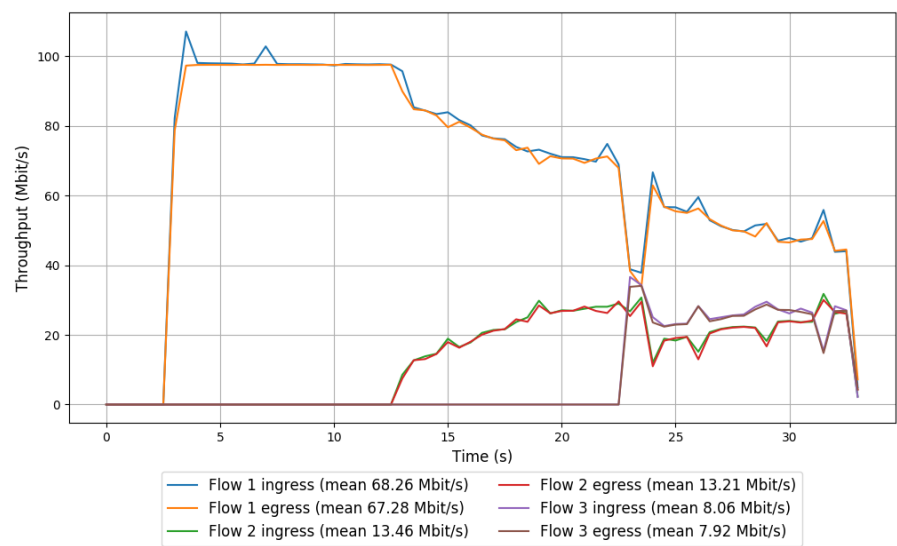
-- Flow 3:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 37.584 ms

Loss rate: 1.68%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 20:45:24 +0000

End at: Tue, 04 Jul 2017 20:45:54 +0000

Local clock offset: -2.623 ms

Remote clock offset: 0.13 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:16:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.39 Mbit/s

95th percentile per-packet one-way delay: 38.868 ms

Loss rate: 1.22%

-- Flow 1:

Average throughput: 65.40 Mbit/s

95th percentile per-packet one-way delay: 38.775 ms

Loss rate: 1.22%

-- Flow 2:

Average throughput: 13.67 Mbit/s

95th percentile per-packet one-way delay: 39.024 ms

Loss rate: 1.24%

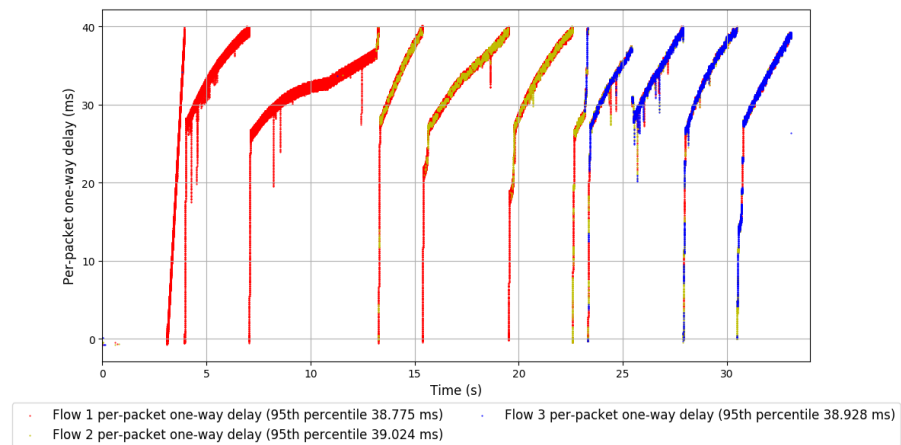
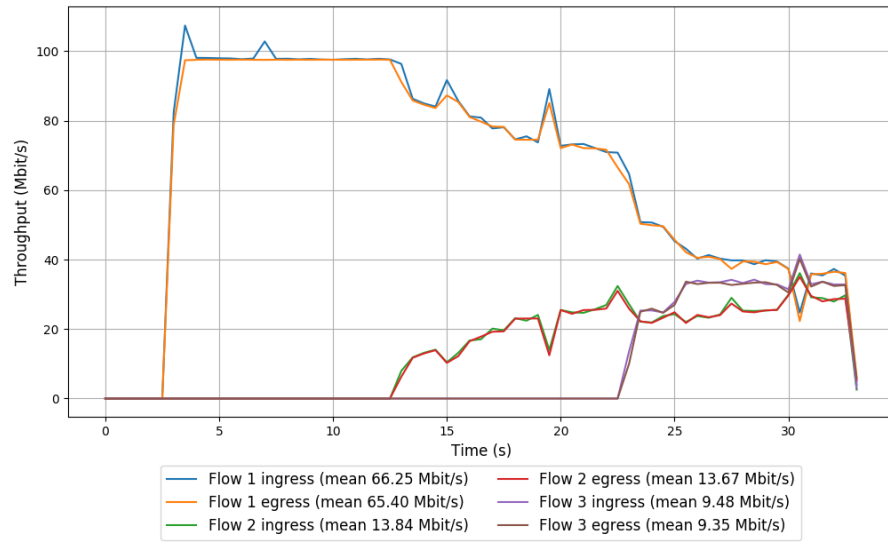
-- Flow 3:

Average throughput: 9.35 Mbit/s

95th percentile per-packet one-way delay: 38.928 ms

Loss rate: 1.22%

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



Run 9: Statistics of TCP Cubic

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

End at: Tue, 04 Jul 2017 21:02:51 +0000

Local clock offset: -2.077 ms

Remote clock offset: -0.725 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:16:54 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.35 Mbit/s

95th percentile per-packet one-way delay: 40.147 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 64.83 Mbit/s

95th percentile per-packet one-way delay: 40.063 ms

Loss rate: 1.22%

-- Flow 2:

Average throughput: 15.57 Mbit/s

95th percentile per-packet one-way delay: 40.378 ms

Loss rate: 1.81%

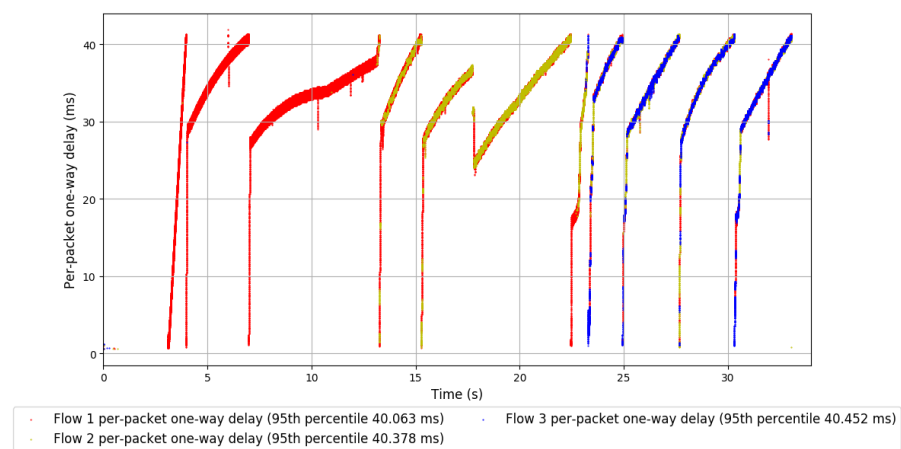
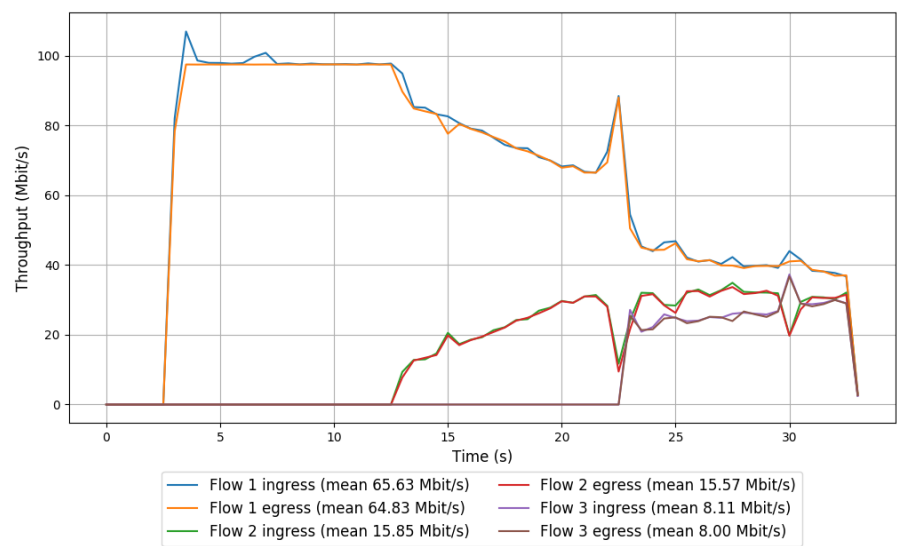
-- Flow 3:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 40.452 ms

Loss rate: 1.42%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 21:19:25 +0000

End at: Tue, 04 Jul 2017 21:19:55 +0000

Local clock offset: -1.7 ms

Remote clock offset: -1.649 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.39 Mbit/s

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

Loss rate: 1.46%

-- Flow 1:

Average throughput: 63.59 Mbit/s

95th percentile per-packet one-way delay: 41.542 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 16.71 Mbit/s

95th percentile per-packet one-way delay: 41.790 ms

Loss rate: 1.75%

-- Flow 3:

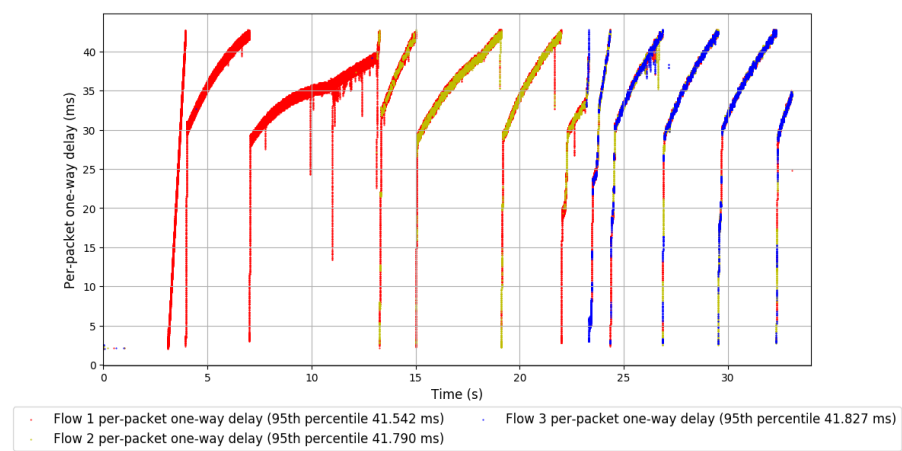
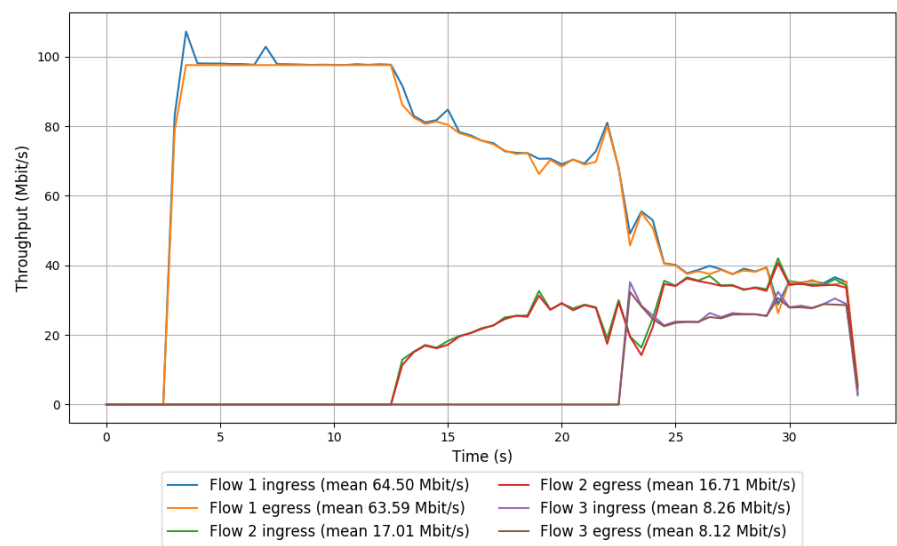
Average throughput: 8.12 Mbit/s

95th percentile per-packet one-way delay: 41.827 ms

Loss rate: 1.69%



Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 18:46:24 +0000

End at: Tue, 04 Jul 2017 18:46:54 +0000

Local clock offset: -2.32 ms

Remote clock offset: 0.257 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 10.26 Mbit/s

95th percentile per-packet one-way delay: -0.249 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: -0.268 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 3.44 Mbit/s

95th percentile per-packet one-way delay: -0.245 ms

Loss rate: 0.00%

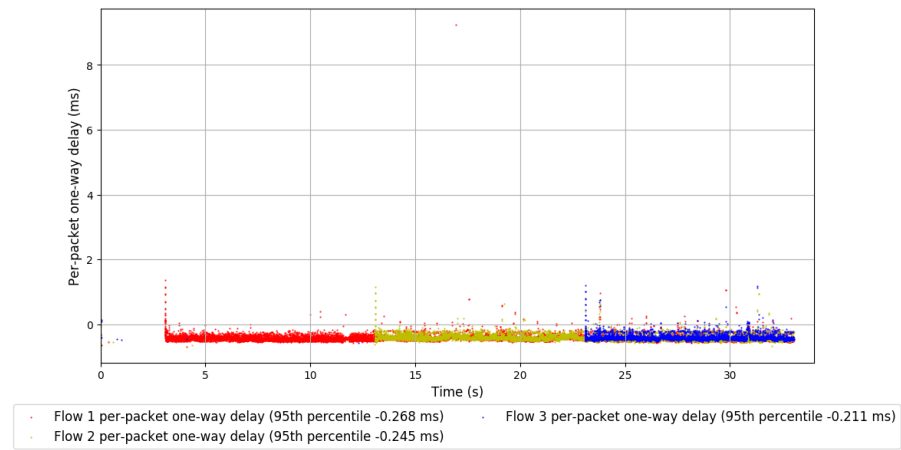
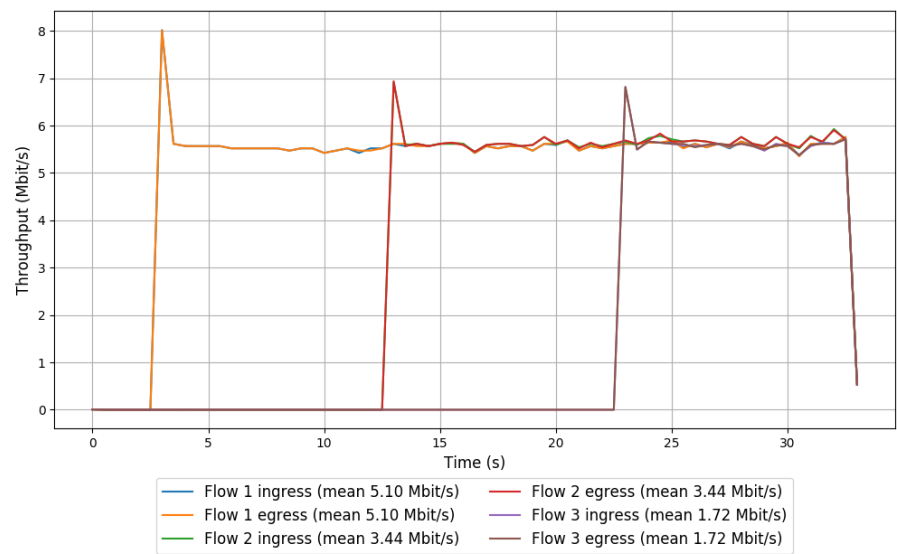
-- Flow 3:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: -0.211 ms

Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:03:27 +0000

End at: Tue, 04 Jul 2017 19:03:57 +0000

Local clock offset: -2.372 ms

Remote clock offset: 0.252 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 11.24 Mbit/s

95th percentile per-packet one-way delay: -0.332 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.54 Mbit/s

95th percentile per-packet one-way delay: -0.340 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.74 Mbit/s

95th percentile per-packet one-way delay: -0.328 ms

Loss rate: 0.00%

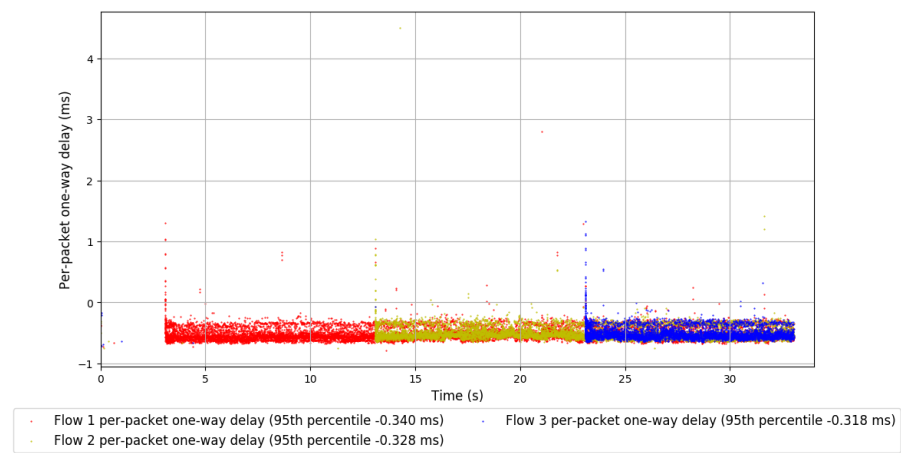
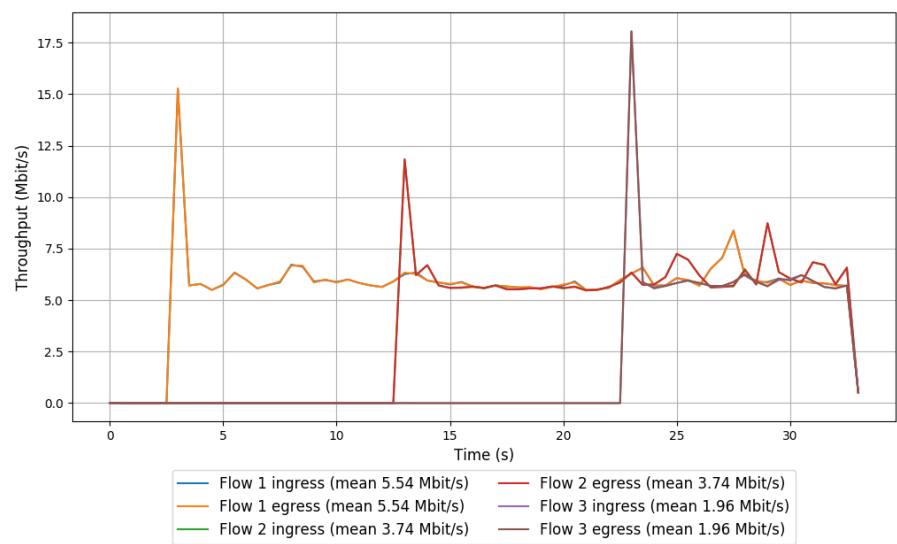
-- Flow 3:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: -0.318 ms

Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:21:14 +0000

End at: Tue, 04 Jul 2017 19:21:44 +0000

Local clock offset: -2.394 ms

Remote clock offset: 0.264 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: -0.313 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: -0.321 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: -0.313 ms

Loss rate: 0.00%

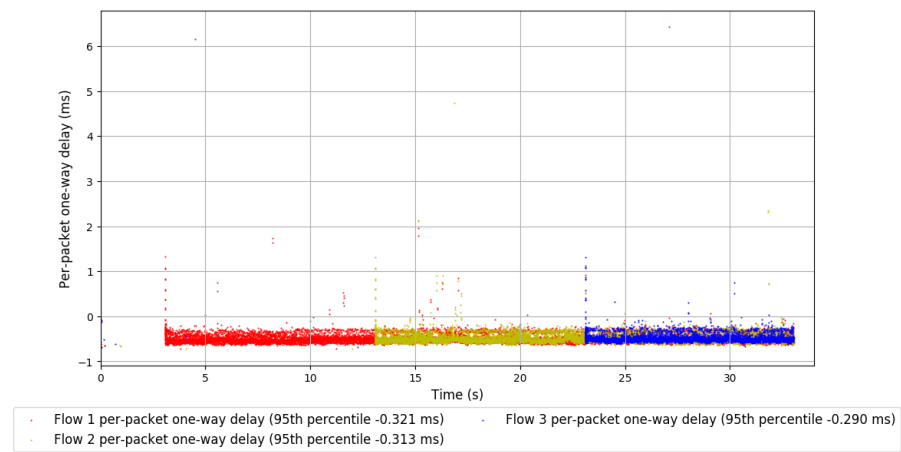
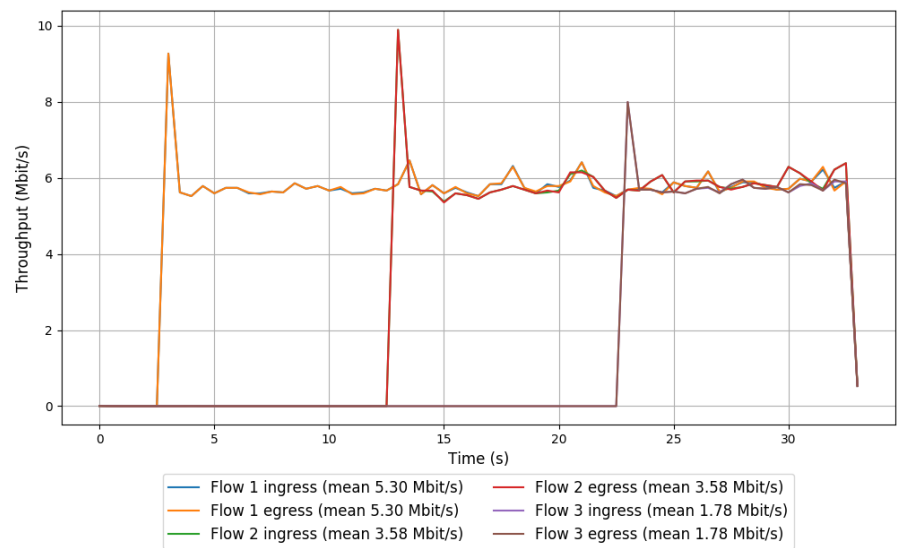
-- Flow 3:

Average throughput: 1.78 Mbit/s

95th percentile per-packet one-way delay: -0.290 ms

Loss rate: 0.00%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:38:13 +0000

End at: Tue, 04 Jul 2017 19:38:43 +0000

Local clock offset: -2.496 ms

Remote clock offset: 0.391 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:10 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.17 Mbit/s

95th percentile per-packet one-way delay: -0.320 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 45.66 Mbit/s

95th percentile per-packet one-way delay: -0.360 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.02 Mbit/s

95th percentile per-packet one-way delay: -0.283 ms

Loss rate: 0.00%

-- Flow 3:

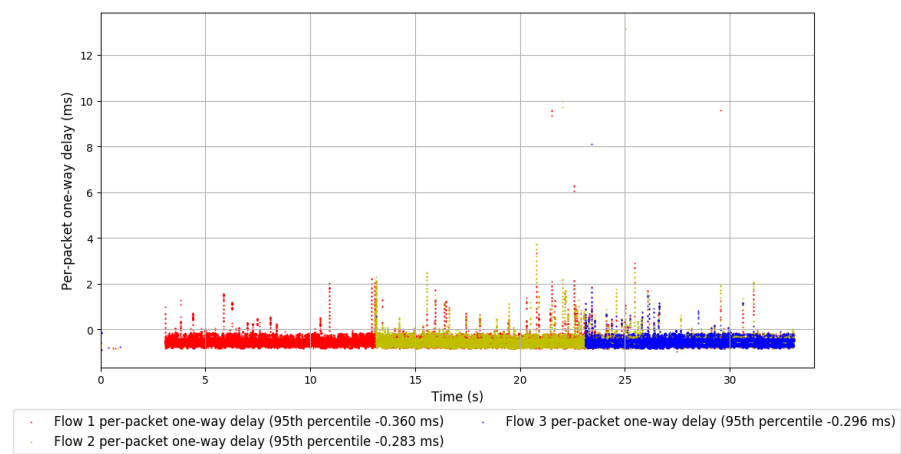
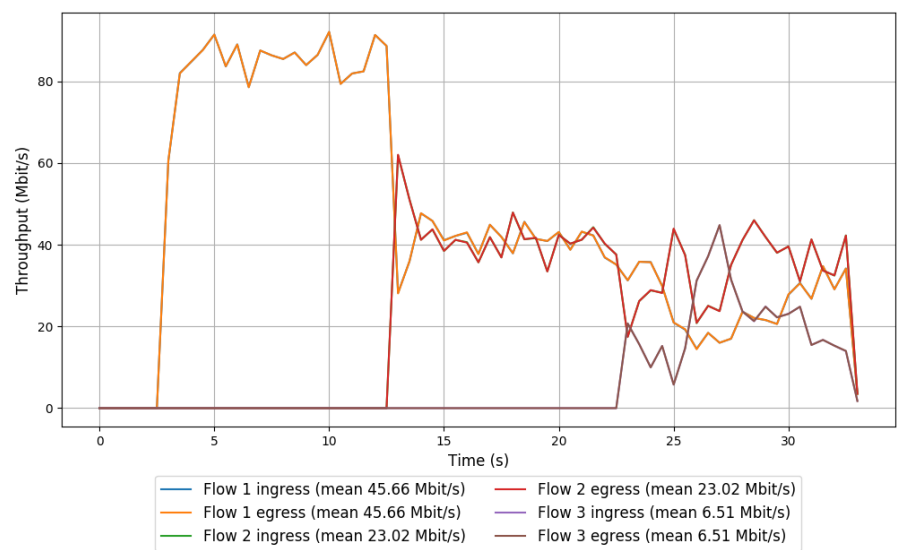
Average throughput: 6.51 Mbit/s

95th percentile per-packet one-way delay: -0.296 ms

Loss rate: 0.00%



Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:55:23 +0000

End at: Tue, 04 Jul 2017 19:55:53 +0000

Local clock offset: -2.529 ms

Remote clock offset: 0.729 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:16 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.22 Mbit/s

95th percentile per-packet one-way delay: 0.289 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.37 Mbit/s

95th percentile per-packet one-way delay: 0.036 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.41 Mbit/s

95th percentile per-packet one-way delay: 0.011 ms

Loss rate: 0.00%

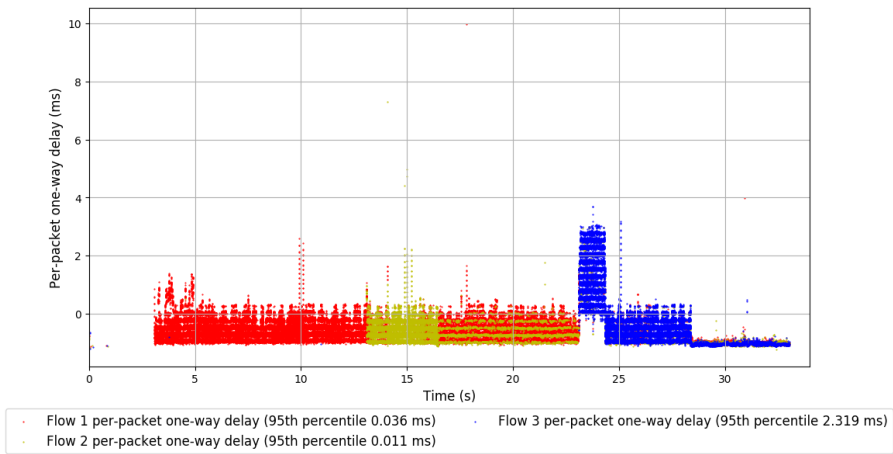
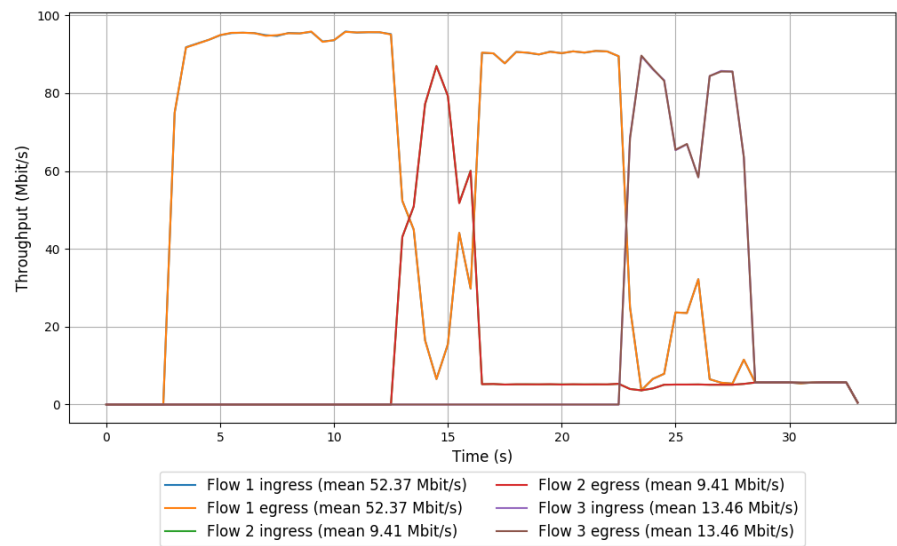
-- Flow 3:

Average throughput: 13.46 Mbit/s

95th percentile per-packet one-way delay: 2.319 ms

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 20:12:25 +0000

End at: Tue, 04 Jul 2017 20:12:55 +0000

Local clock offset: -3.413 ms

Remote clock offset: 0.823 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:16 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 10.26 Mbit/s

95th percentile per-packet one-way delay: -1.971 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.08 Mbit/s

95th percentile per-packet one-way delay: -1.962 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: -1.986 ms

Loss rate: 0.00%

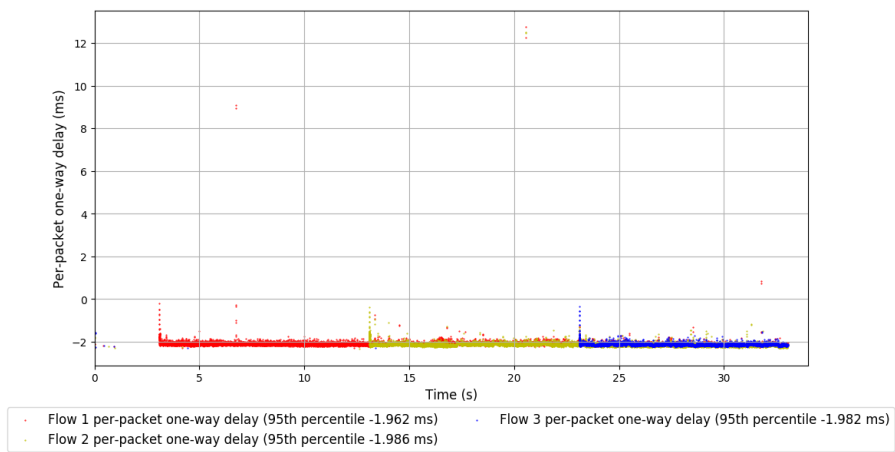
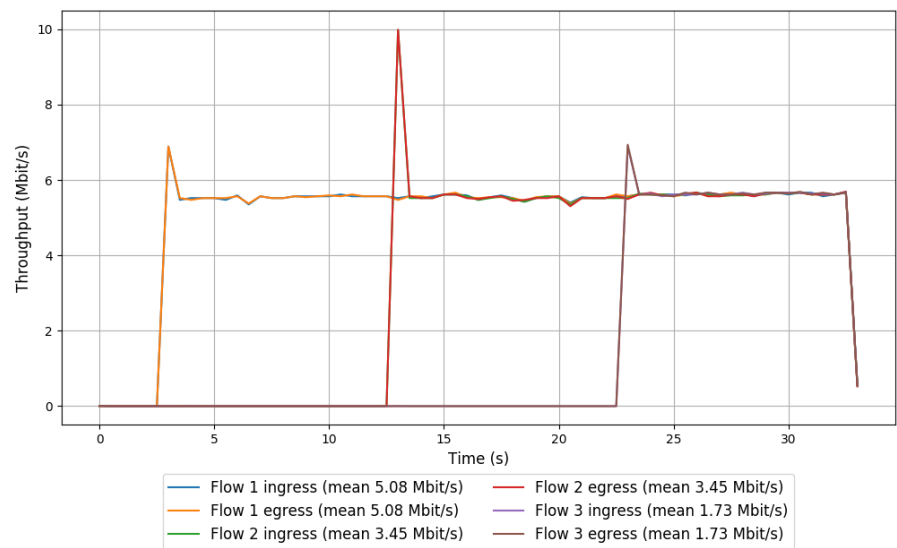
-- Flow 3:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: -1.982 ms

Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 20:29:27 +0000

End at: Tue, 04 Jul 2017 20:29:57 +0000

Local clock offset: -3.122 ms

Remote clock offset: 0.792 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.63 Mbit/s

95th percentile per-packet one-way delay: -1.288 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.69 Mbit/s

95th percentile per-packet one-way delay: -1.280 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: -1.284 ms

Loss rate: 0.00%

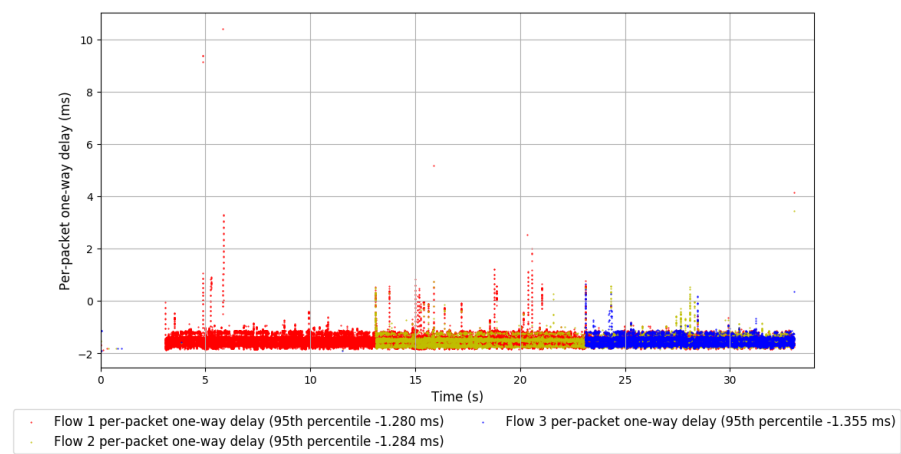
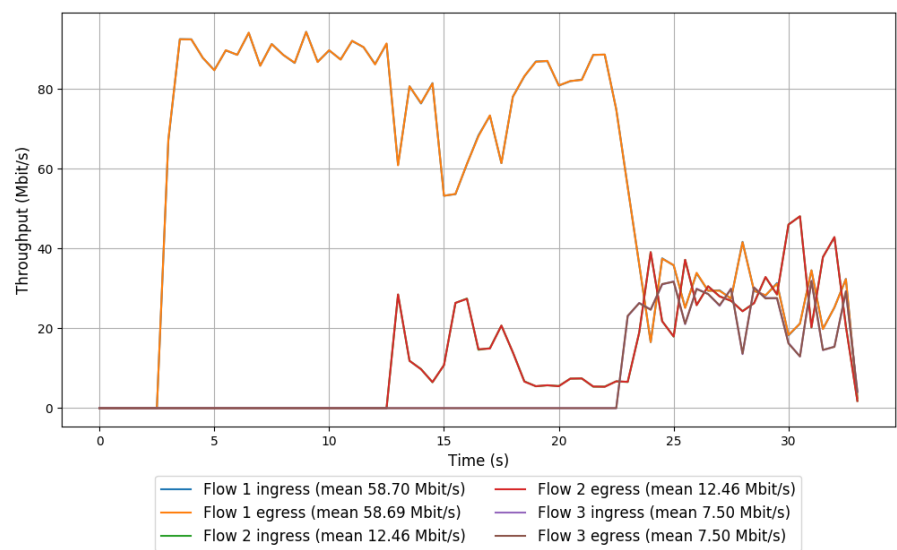
-- Flow 3:

Average throughput: 7.50 Mbit/s

95th percentile per-packet one-way delay: -1.355 ms

Loss rate: 0.01%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 20:46:34 +0000

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

Local clock offset: -2.598 ms

Remote clock offset: 0.069 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 10.23 Mbit/s

95th percentile per-packet one-way delay: -0.235 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.08 Mbit/s

95th percentile per-packet one-way delay: -0.244 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.41 Mbit/s

95th percentile per-packet one-way delay: -0.244 ms

Loss rate: 0.00%

-- Flow 3:

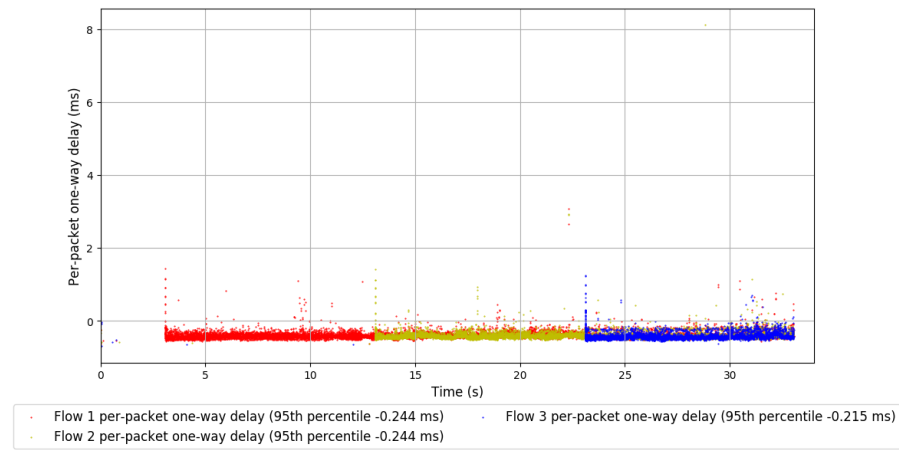
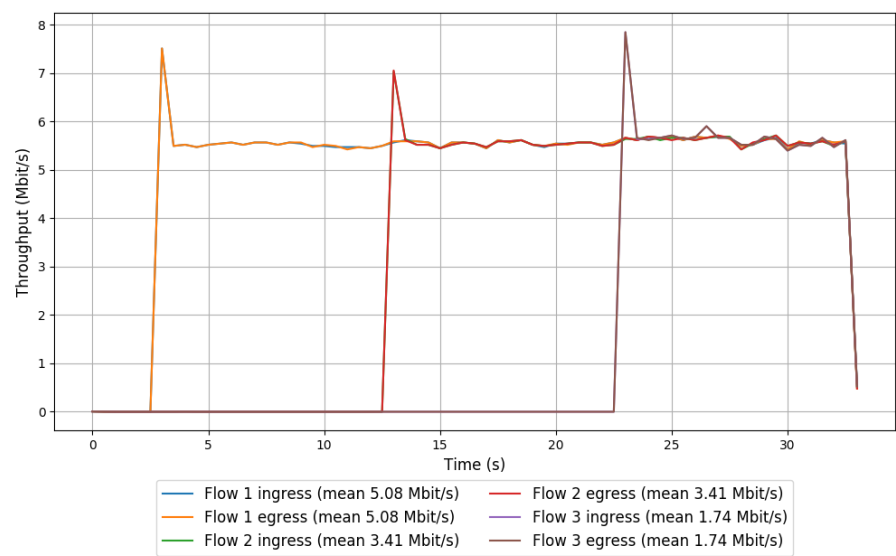
Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: -0.215 ms

Loss rate: 0.00%



Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:03:31 +0000

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

Local clock offset: -2.096 ms

Remote clock offset: -0.834 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 10.22 Mbit/s

95th percentile per-packet one-way delay: 1.091 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.11 Mbit/s

95th percentile per-packet one-way delay: 1.078 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 1.084 ms

Loss rate: 0.00%

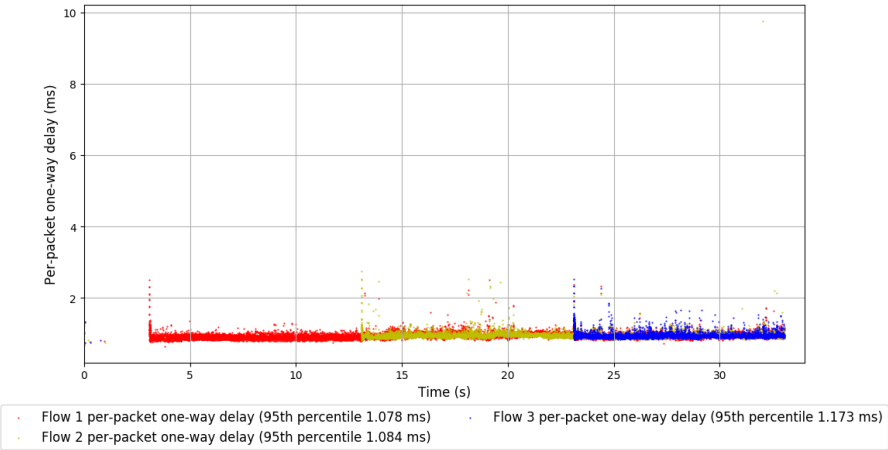
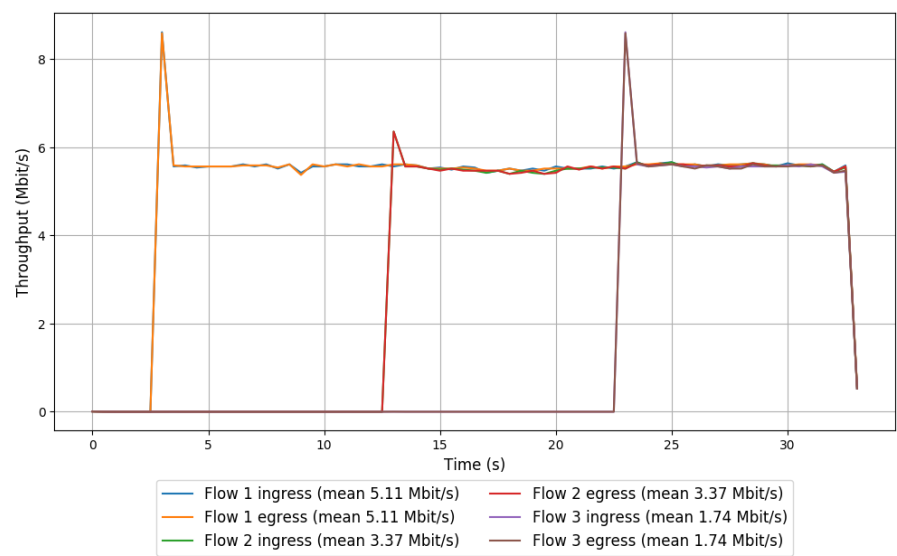
-- Flow 3:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:20:35 +0000

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

Local clock offset: -1.62 ms

Remote clock offset: -1.791 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.32 Mbit/s

95th percentile per-packet one-way delay: 2.646 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 41.82 Mbit/s

95th percentile per-packet one-way delay: 2.652 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.30 Mbit/s

95th percentile per-packet one-way delay: 2.636 ms

Loss rate: 0.00%

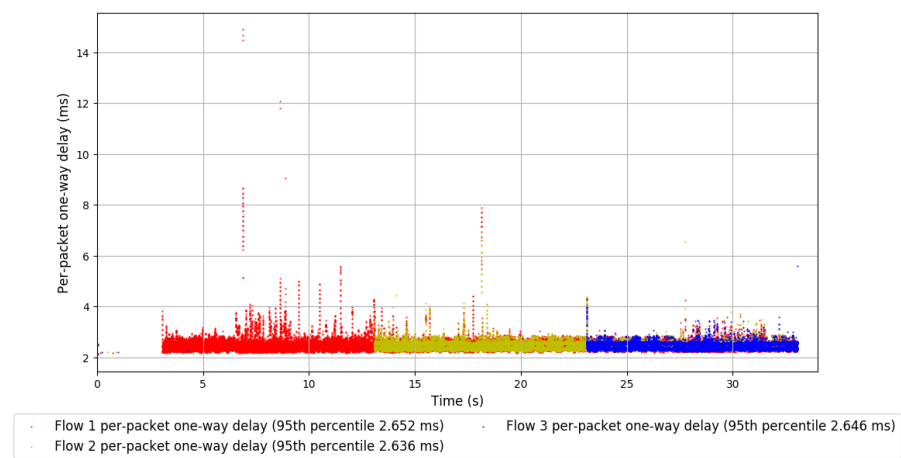
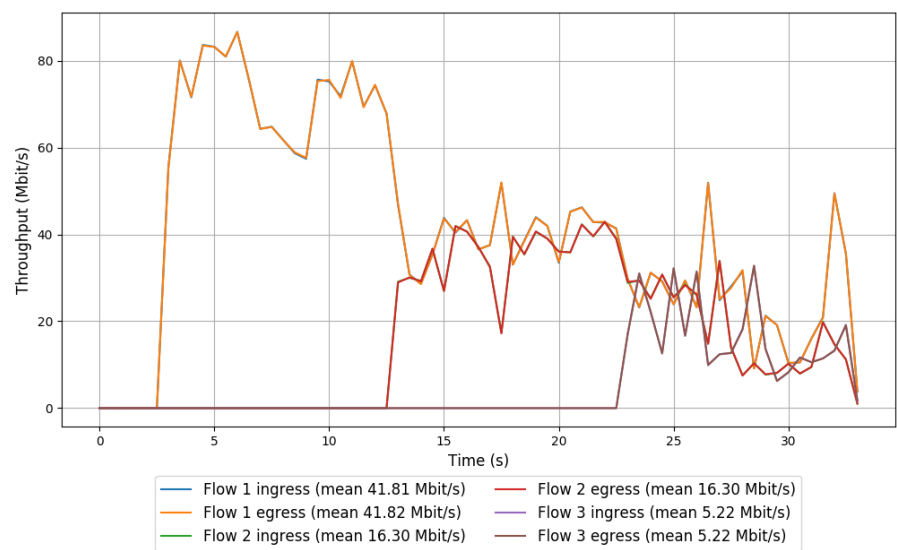
-- Flow 3:

Average throughput: 5.22 Mbit/s

95th percentile per-packet one-way delay: 2.646 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 18:49:47 +0000

End at: Tue, 04 Jul 2017 18:50:17 +0000

Local clock offset: -2.365 ms

Remote clock offset: 0.286 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 67.23 Mbit/s

95th percentile per-packet one-way delay: 37.754 ms

Loss rate: 1.21%

-- Flow 1:

Average throughput: 44.16 Mbit/s

95th percentile per-packet one-way delay: 37.749 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 15.45 Mbit/s

95th percentile per-packet one-way delay: 37.971 ms

Loss rate: 1.68%

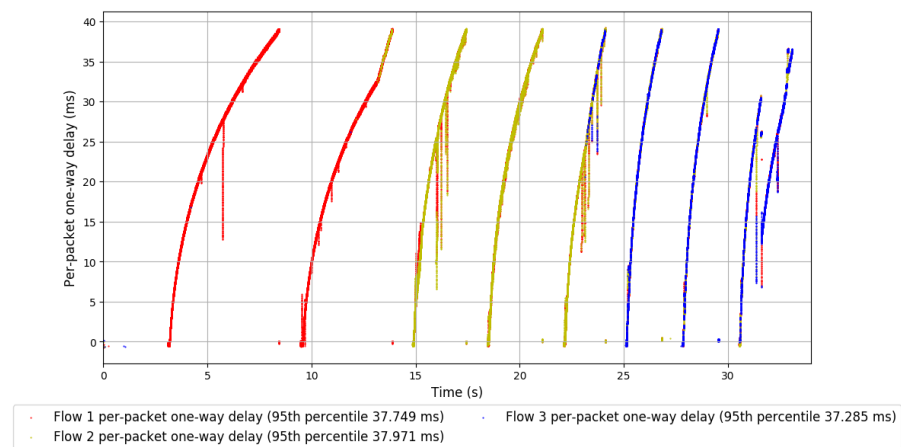
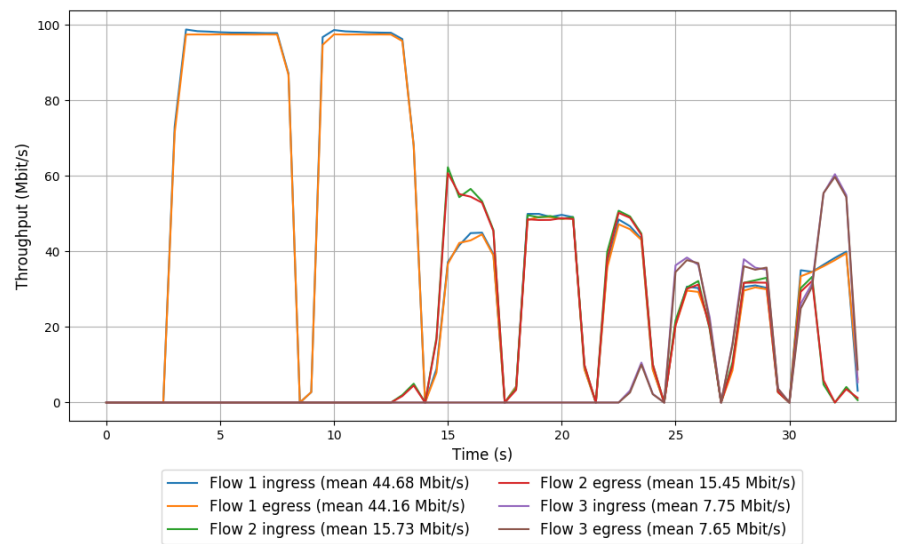
-- Flow 3:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 37.285 ms

Loss rate: 1.24%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 19:06:52 +0000

End at: Tue, 04 Jul 2017 19:07:22 +0000

Local clock offset: -2.47 ms

Remote clock offset: 0.366 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 67.07 Mbit/s

95th percentile per-packet one-way delay: 37.509 ms

Loss rate: 1.26%

-- Flow 1:

Average throughput: 45.24 Mbit/s

95th percentile per-packet one-way delay: 37.462 ms

Loss rate: 1.06%

-- Flow 2:

Average throughput: 12.46 Mbit/s

95th percentile per-packet one-way delay: 37.713 ms

Loss rate: 1.58%

-- Flow 3:

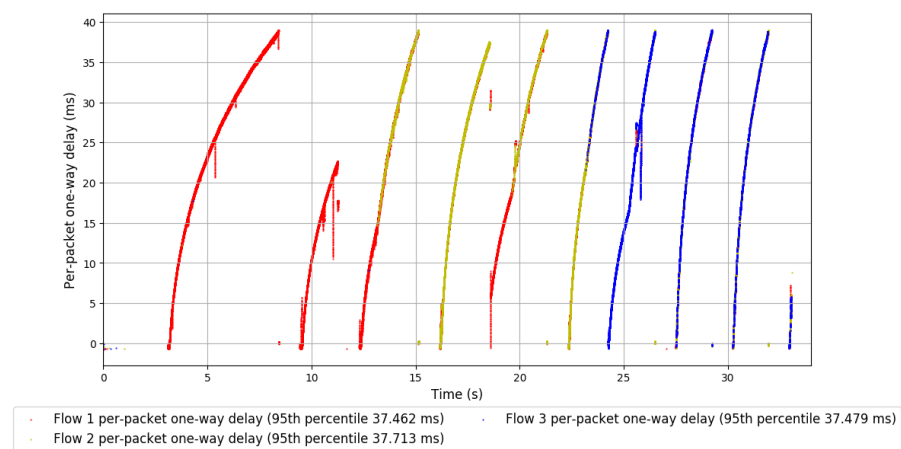
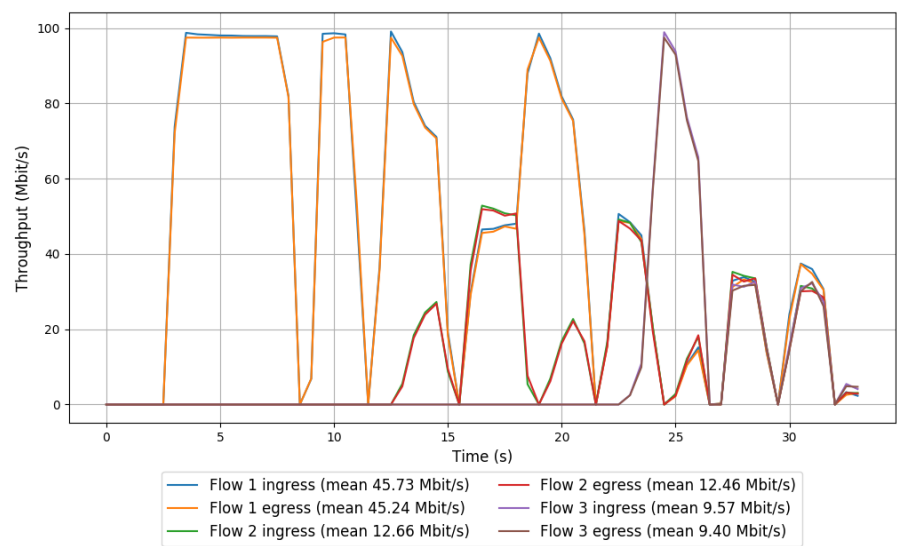
Average throughput: 9.40 Mbit/s

95th percentile per-packet one-way delay: 37.479 ms

Loss rate: 1.77%



Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 19:24:37 +0000

End at: Tue, 04 Jul 2017 19:25:07 +0000

Local clock offset: -2.368 ms

Remote clock offset: 0.18 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:47 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 70.06 Mbit/s

95th percentile per-packet one-way delay: 37.736 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 40.86 Mbit/s

95th percentile per-packet one-way delay: 37.746 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 19.43 Mbit/s

95th percentile per-packet one-way delay: 37.774 ms

Loss rate: 1.63%

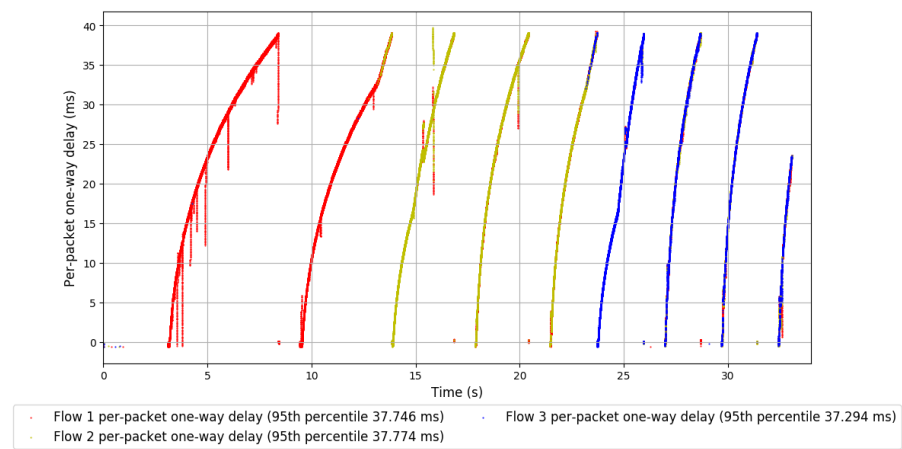
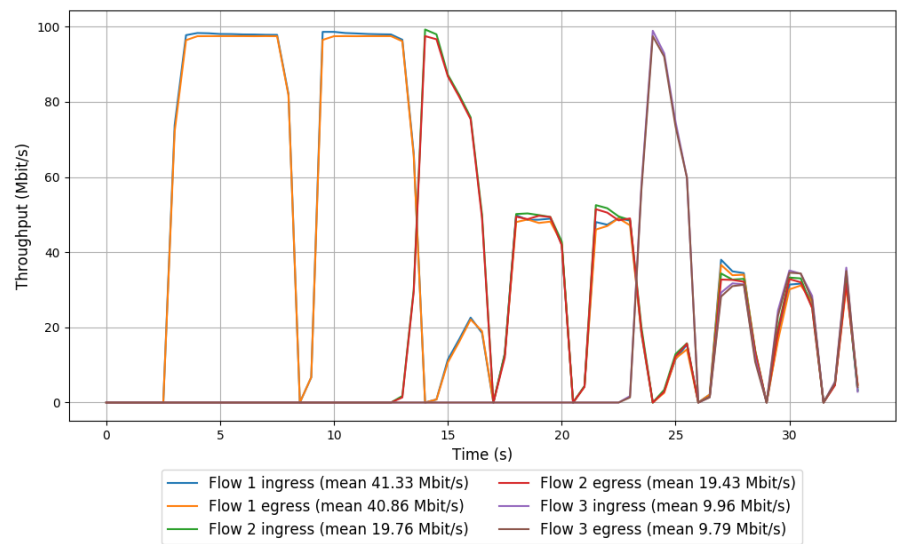
-- Flow 3:

Average throughput: 9.79 Mbit/s

95th percentile per-packet one-way delay: 37.294 ms

Loss rate: 1.64%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 19:41:43 +0000

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

Local clock offset: -2.499 ms

Remote clock offset: 0.44 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 68.39 Mbit/s

95th percentile per-packet one-way delay: 37.349 ms

Loss rate: 1.24%

-- Flow 1:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 37.240 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 19.73 Mbit/s

95th percentile per-packet one-way delay: 37.268 ms

Loss rate: 1.52%

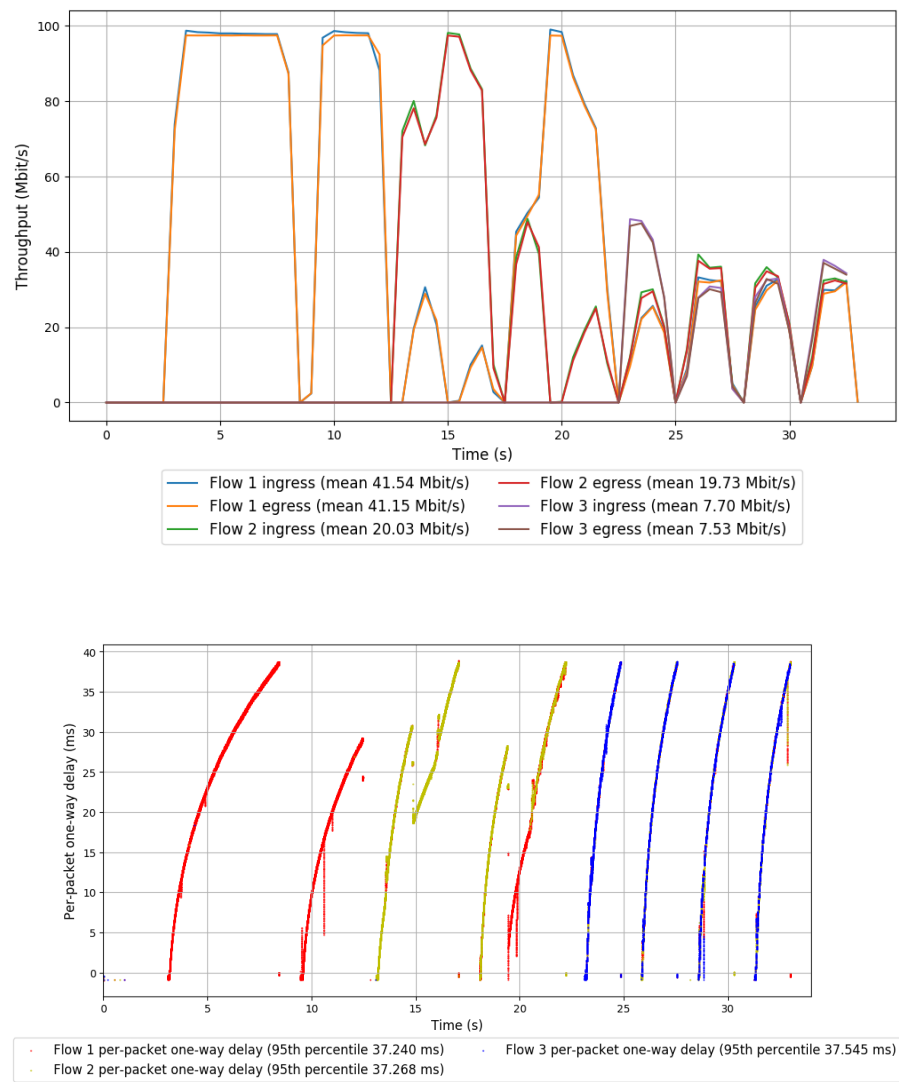
-- Flow 3:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 37.545 ms

Loss rate: 2.20%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 19:58:51 +0000

End at: Tue, 04 Jul 2017 19:59:21 +0000

Local clock offset: -2.488 ms

Remote clock offset: 0.791 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:17:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 62.96 Mbit/s

95th percentile per-packet one-way delay: 36.643 ms

Loss rate: 1.19%

-- Flow 1:

Average throughput: 41.56 Mbit/s

95th percentile per-packet one-way delay: 36.123 ms

Loss rate: 0.90%

-- Flow 2:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 37.371 ms

Loss rate: 2.03%

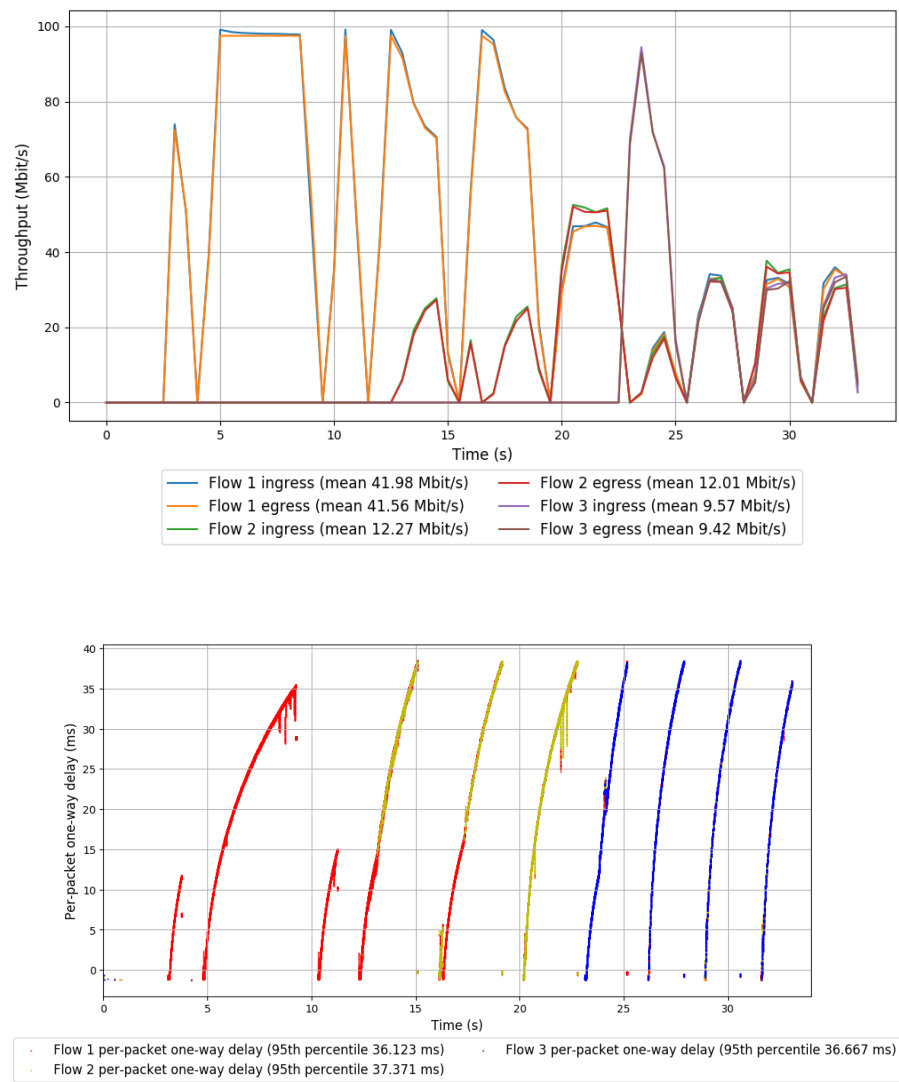
-- Flow 3:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 36.667 ms

Loss rate: 1.42%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:15:47 +0000

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

Local clock offset: -3.441 ms

Remote clock offset: 0.875 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:18:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 70.03 Mbit/s

95th percentile per-packet one-way delay: 36.103 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 40.99 Mbit/s

95th percentile per-packet one-way delay: 36.151 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 19.25 Mbit/s

95th percentile per-packet one-way delay: 36.095 ms

Loss rate: 1.52%

-- Flow 3:

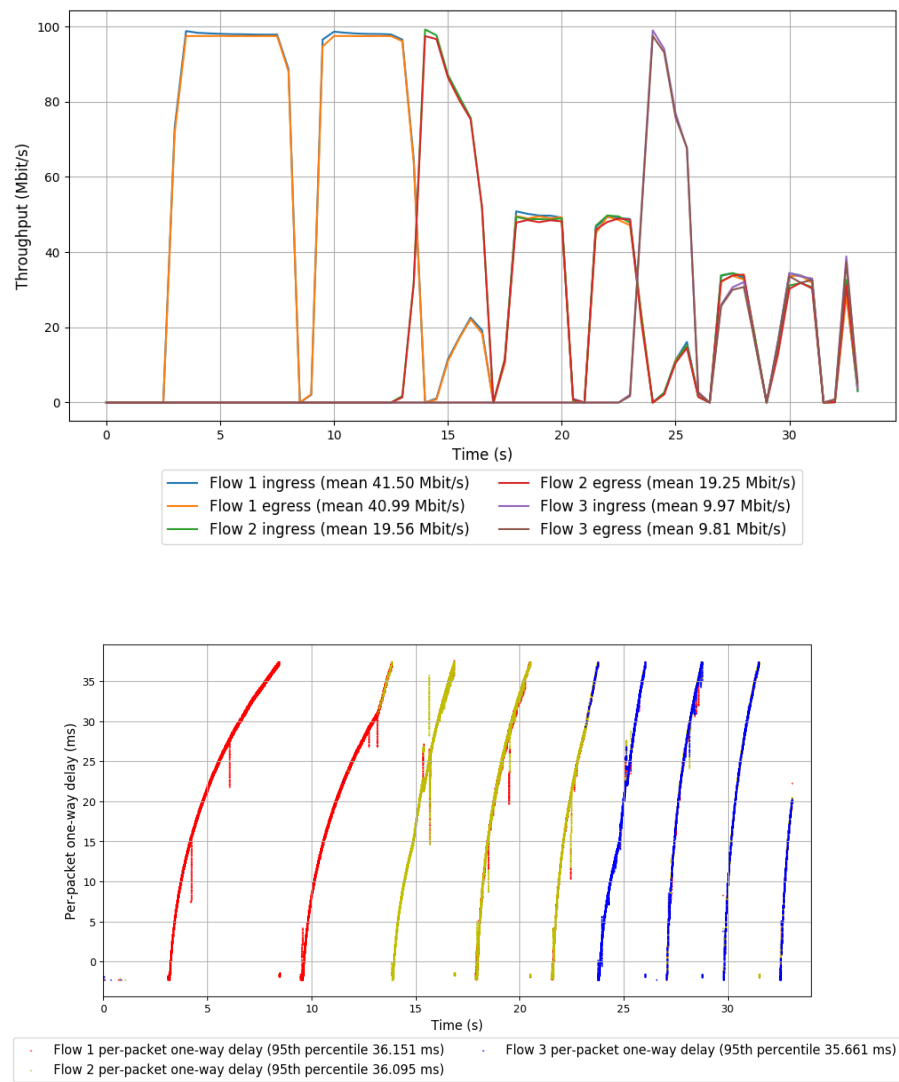
Average throughput: 9.81 Mbit/s

95th percentile per-packet one-way delay: 35.661 ms

Loss rate: 1.54%



Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:32:56 +0000

End at: Tue, 04 Jul 2017 20:33:26 +0000

Local clock offset: -3.105 ms

Remote clock offset: 0.699 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:18:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 75.94 Mbit/s

95th percentile per-packet one-way delay: 36.422 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 42.23 Mbit/s

95th percentile per-packet one-way delay: 36.527 ms

Loss rate: 1.01%

-- Flow 2:

Average throughput: 24.80 Mbit/s

95th percentile per-packet one-way delay: 36.036 ms

Loss rate: 1.22%

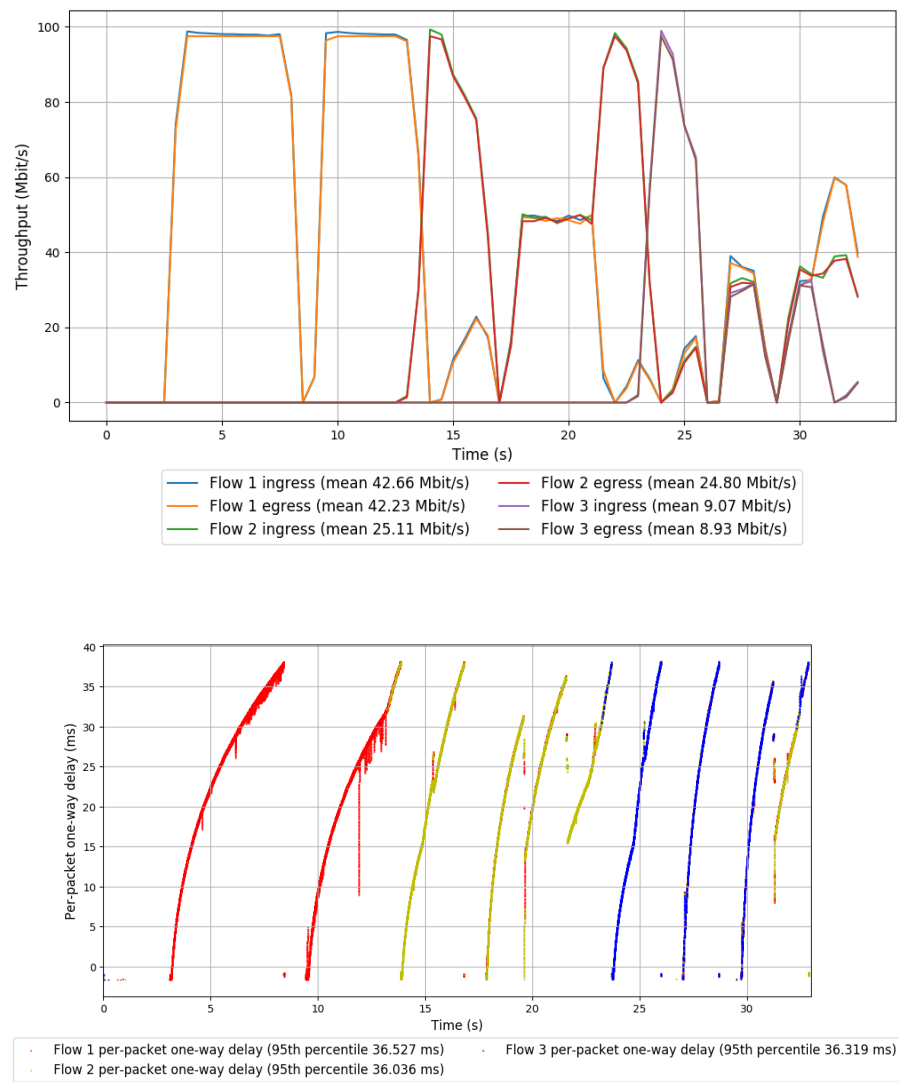
-- Flow 3:

Average throughput: 8.93 Mbit/s

95th percentile per-packet one-way delay: 36.319 ms

Loss rate: 1.56%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:49:56 +0000

End at: Tue, 04 Jul 2017 20:50:26 +0000

Local clock offset: -2.507 ms

Remote clock offset: -0.126 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:18:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 66.35 Mbit/s

95th percentile per-packet one-way delay: 38.238 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 44.67 Mbit/s

95th percentile per-packet one-way delay: 38.109 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 16.40 Mbit/s

95th percentile per-packet one-way delay: 38.318 ms

Loss rate: 1.84%

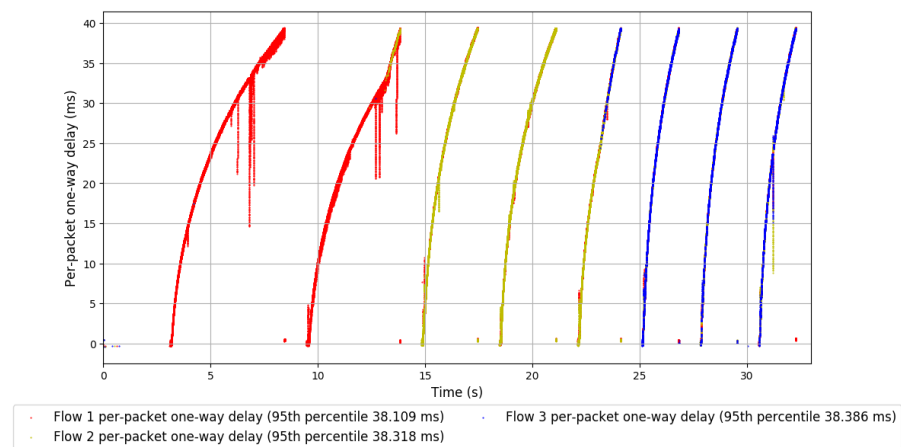
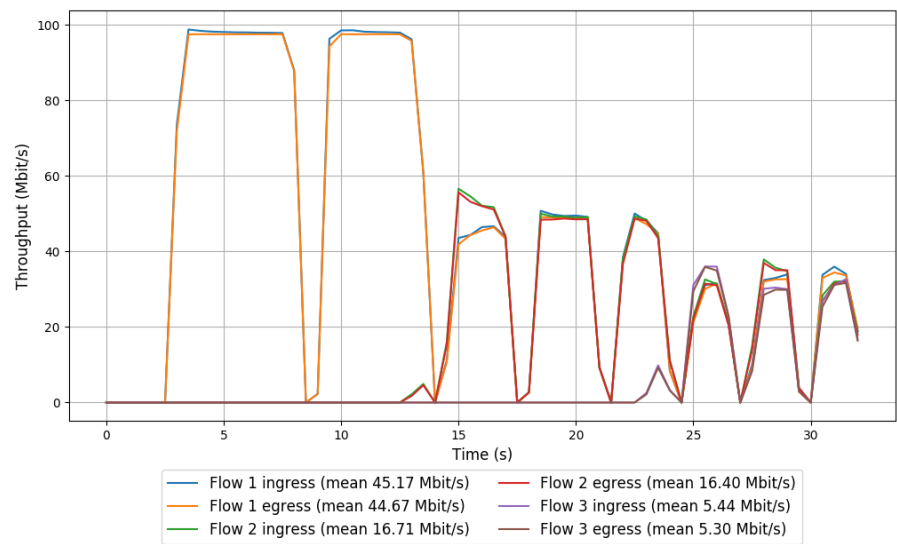
-- Flow 3:

Average throughput: 5.30 Mbit/s

95th percentile per-packet one-way delay: 38.386 ms

Loss rate: 2.65%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:06:55 +0000

End at: Tue, 04 Jul 2017 21:07:25 +0000

Local clock offset: -1.958 ms

Remote clock offset: -0.91 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:18:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 66.44 Mbit/s

95th percentile per-packet one-way delay: 39.589 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 44.52 Mbit/s

95th percentile per-packet one-way delay: 39.483 ms

Loss rate: 1.13%

-- Flow 2:

Average throughput: 16.18 Mbit/s

95th percentile per-packet one-way delay: 39.700 ms

Loss rate: 1.90%

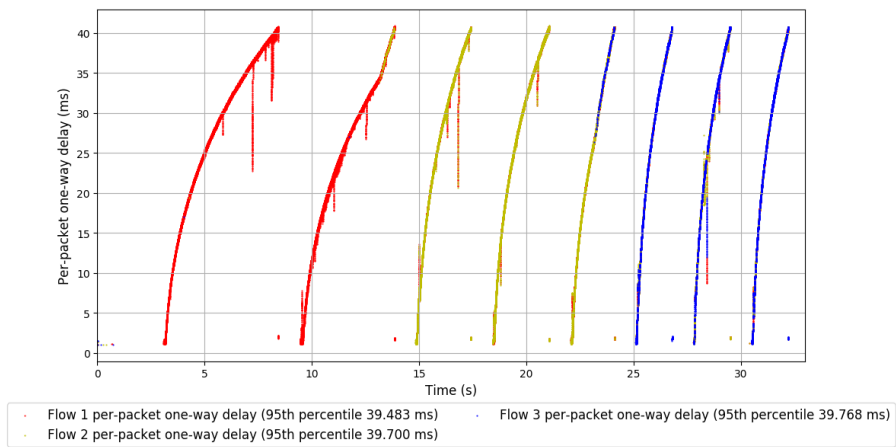
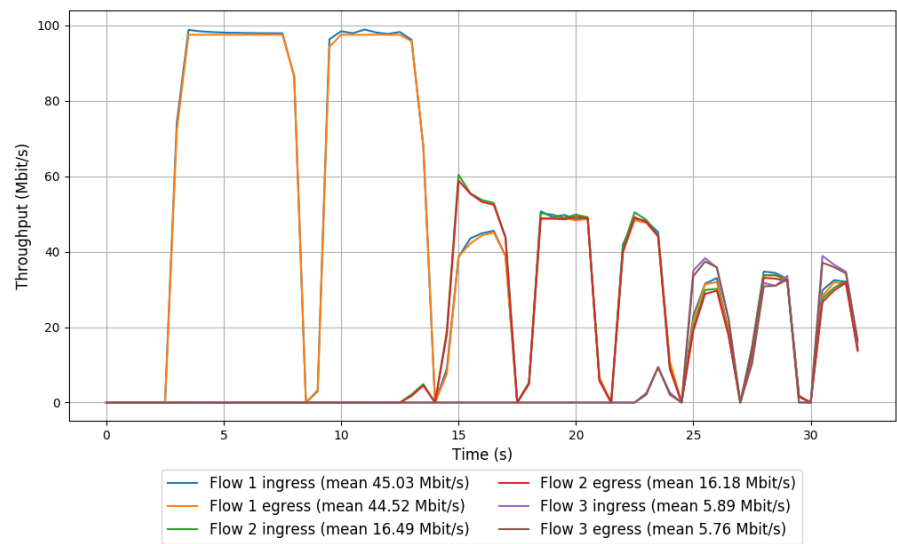
-- Flow 3:

Average throughput: 5.76 Mbit/s

95th percentile per-packet one-way delay: 39.768 ms

Loss rate: 2.19%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:24:02 +0000

End at: Tue, 04 Jul 2017 21:24:32 +0000

Local clock offset: -1.541 ms

Remote clock offset: -1.888 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:18:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 66.37 Mbit/s

95th percentile per-packet one-way delay: 40.926 ms

Loss rate: 1.41%

-- Flow 1:

Average throughput: 44.35 Mbit/s

95th percentile per-packet one-way delay: 40.811 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 16.40 Mbit/s

95th percentile per-packet one-way delay: 41.016 ms

Loss rate: 1.86%

-- Flow 3:

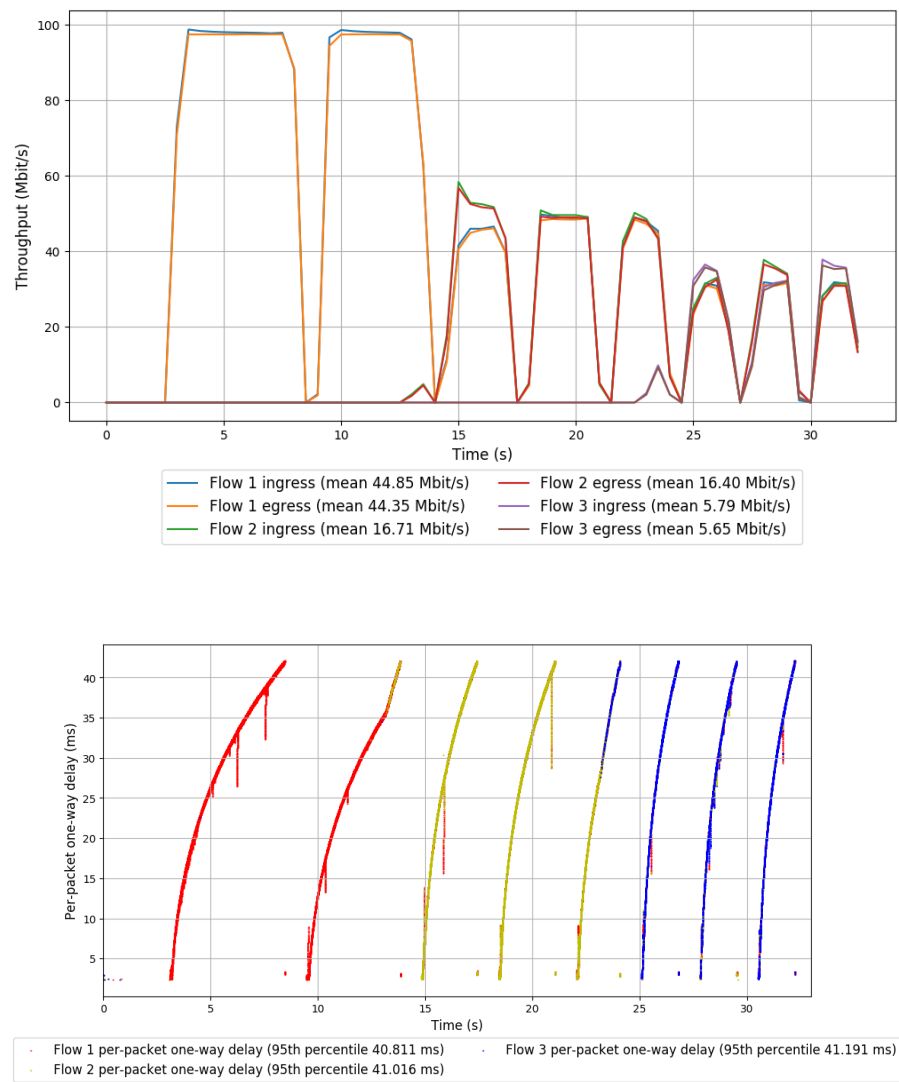
Average throughput: 5.65 Mbit/s

95th percentile per-packet one-way delay: 41.191 ms

Loss rate: 2.50%



Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Tue, 04 Jul 2017 18:53:12 +0000

End at: Tue, 04 Jul 2017 18:53:42 +0000

Local clock offset: -2.413 ms

Remote clock offset: 0.311 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:18:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.88 Mbit/s

95th percentile per-packet one-way delay: 13.058 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 57.85 Mbit/s

95th percentile per-packet one-way delay: 10.515 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 16.90 Mbit/s

95th percentile per-packet one-way delay: 18.384 ms

Loss rate: 0.37%

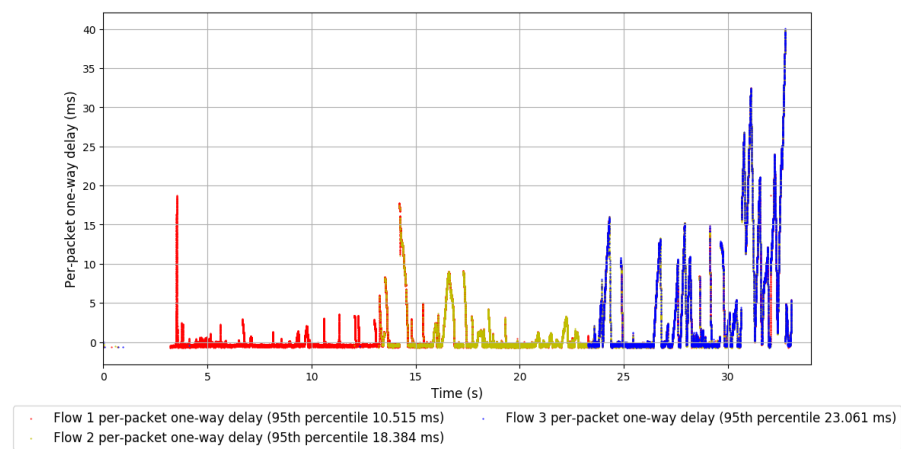
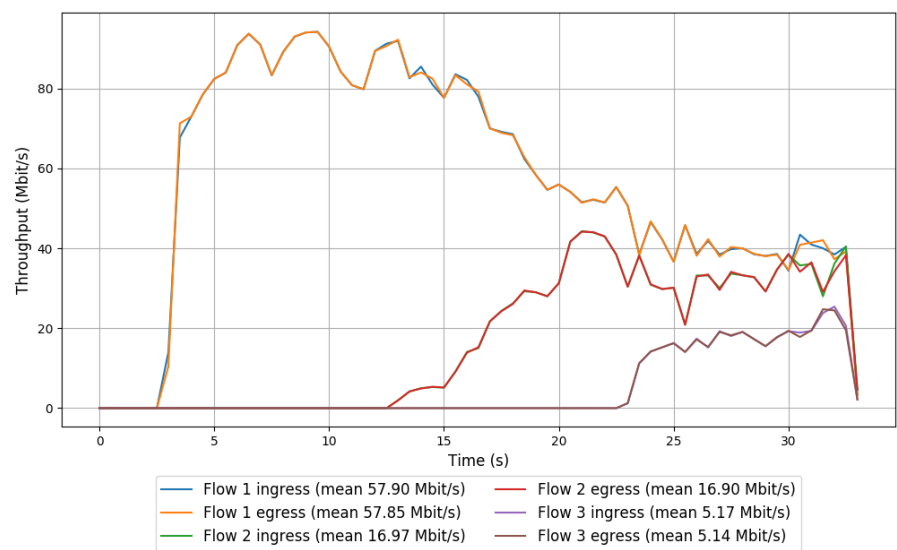
-- Flow 3:

Average throughput: 5.14 Mbit/s

95th percentile per-packet one-way delay: 23.061 ms

Loss rate: 0.61%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 04 Jul 2017 19:10:17 +0000

End at: Tue, 04 Jul 2017 19:10:47 +0000

Local clock offset: -2.374 ms

Remote clock offset: 0.349 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:18:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 15.419 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.01 Mbit/s

95th percentile per-packet one-way delay: 11.663 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.39 Mbit/s

95th percentile per-packet one-way delay: 20.474 ms

Loss rate: 0.00%

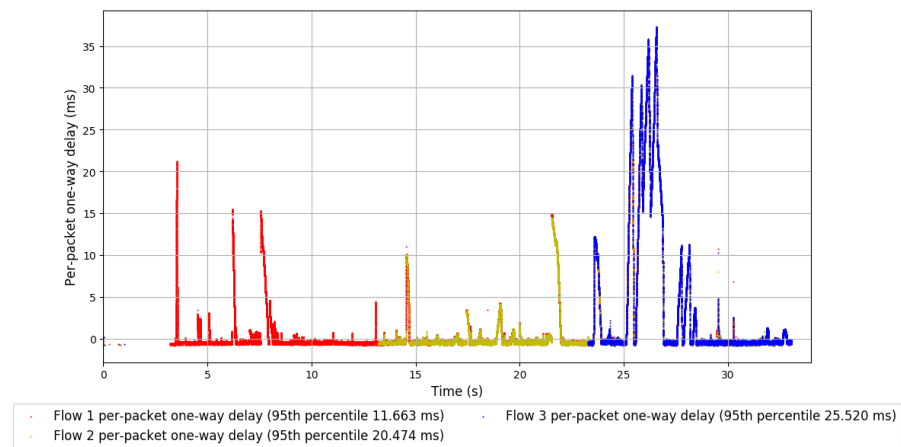
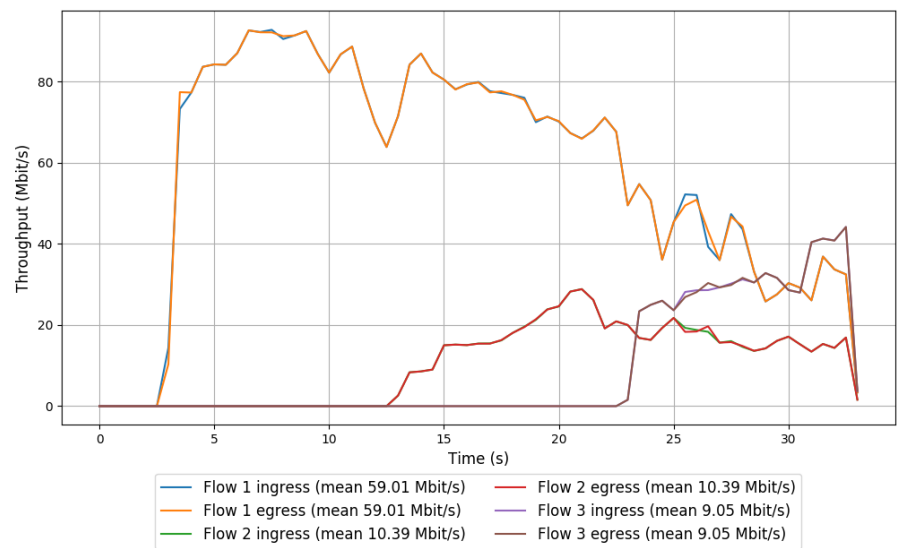
-- Flow 3:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 25.520 ms

Loss rate: 0.00%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Tue, 04 Jul 2017 19:27:59 +0000

End at: Tue, 04 Jul 2017 19:28:29 +0000

Local clock offset: -2.483 ms

Remote clock offset: 0.259 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:18:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 4.591 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.18 Mbit/s

95th percentile per-packet one-way delay: 3.438 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.52 Mbit/s

95th percentile per-packet one-way delay: 7.286 ms

Loss rate: 0.01%

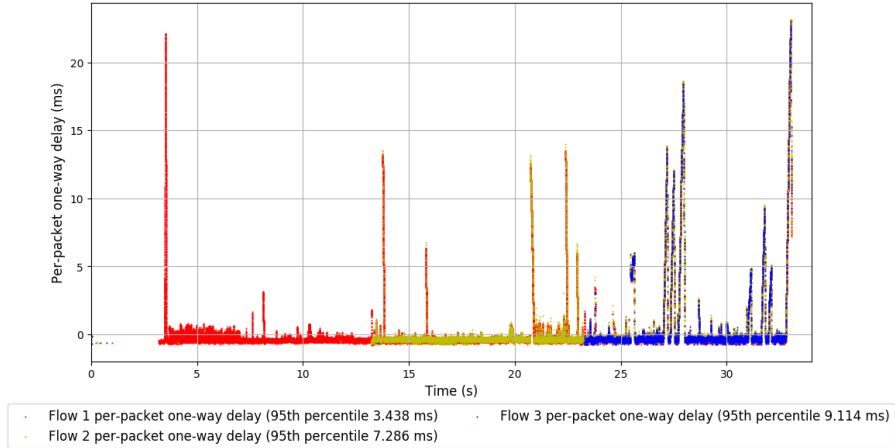
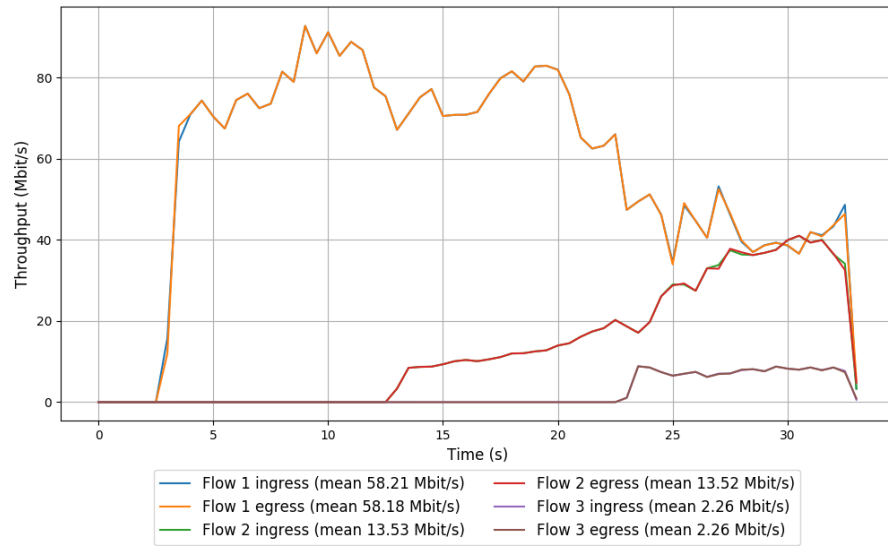
-- Flow 3:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 9.114 ms

Loss rate: 0.00%

### Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 04 Jul 2017 19:45:08 +0000

End at: Tue, 04 Jul 2017 19:45:38 +0000

Local clock offset: -2.577 ms

Remote clock offset: 0.512 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:18:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.37 Mbit/s

95th percentile per-packet one-way delay: 3.417 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.10 Mbit/s

95th percentile per-packet one-way delay: 3.396 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.61 Mbit/s

95th percentile per-packet one-way delay: 3.176 ms

Loss rate: 0.00%

-- Flow 3:

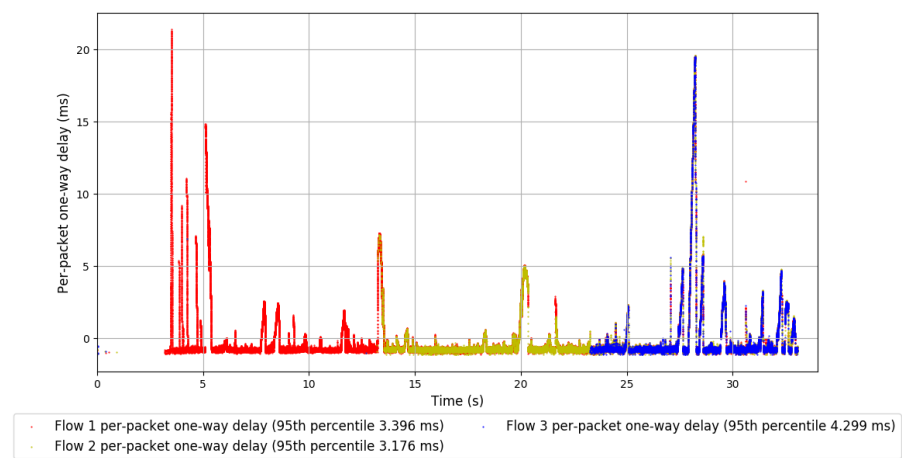
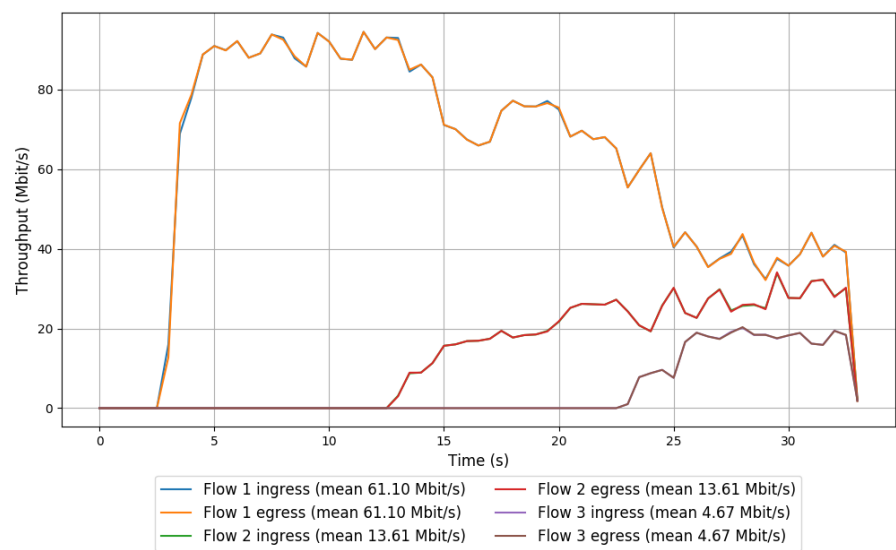
Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 4.299 ms

Loss rate: 0.00%



Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Tue, 04 Jul 2017 20:02:11 +0000

End at: Tue, 04 Jul 2017 20:02:41 +0000

Local clock offset: -2.628 ms

Remote clock offset: 0.802 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:18:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 74.25 Mbit/s

95th percentile per-packet one-way delay: 1.667 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.04 Mbit/s

95th percentile per-packet one-way delay: 1.126 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.80 Mbit/s

95th percentile per-packet one-way delay: 3.088 ms

Loss rate: 0.00%

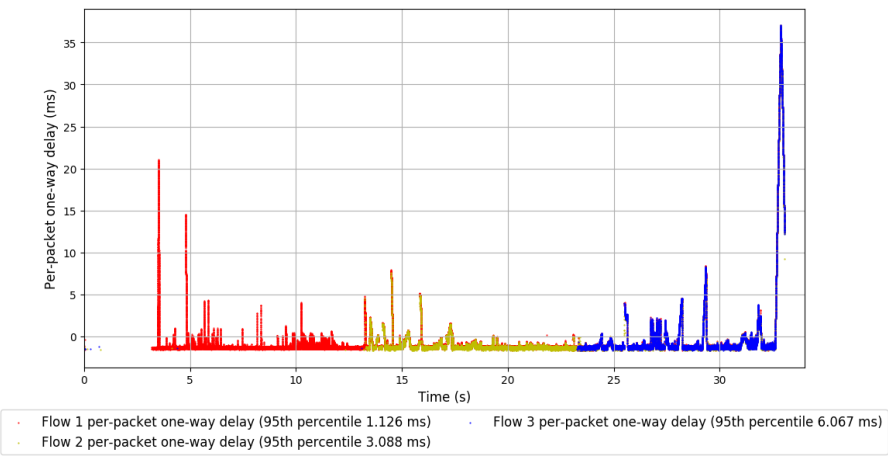
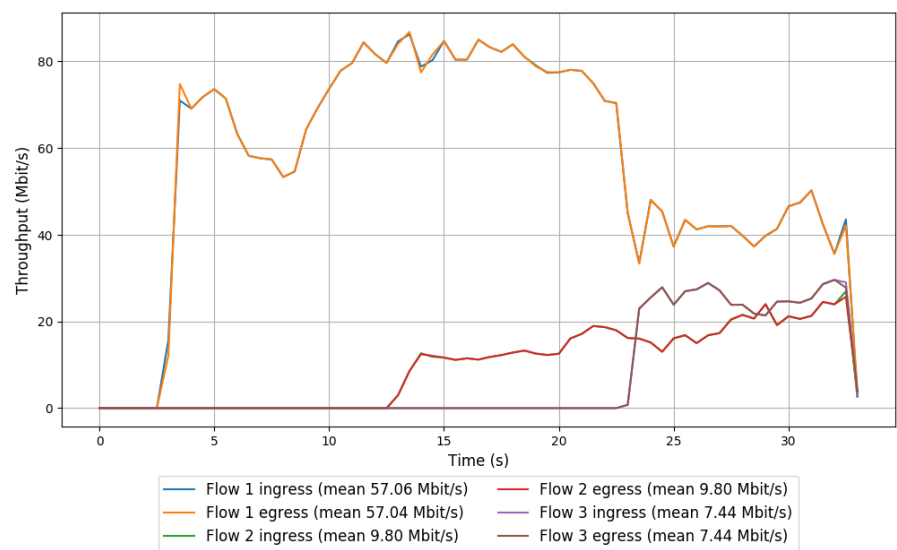
-- Flow 3:

Average throughput: 7.44 Mbit/s

95th percentile per-packet one-way delay: 6.067 ms

Loss rate: 0.00%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Tue, 04 Jul 2017 20:19:12 +0000

End at: Tue, 04 Jul 2017 20:19:42 +0000

Local clock offset: -3.364 ms

Remote clock offset: 0.884 ms

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

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.25 Mbit/s

95th percentile per-packet one-way delay: 7.522 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 63.51 Mbit/s

95th percentile per-packet one-way delay: 6.665 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 10.61 Mbit/s

95th percentile per-packet one-way delay: 10.833 ms

Loss rate: 0.18%

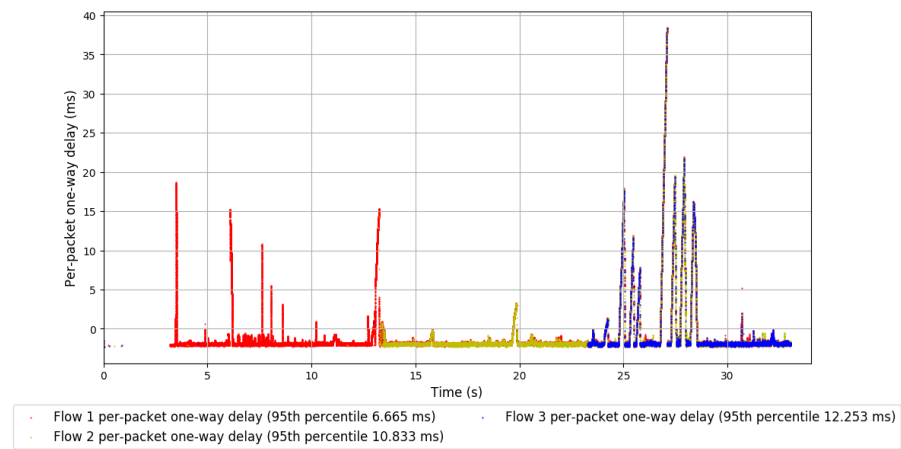
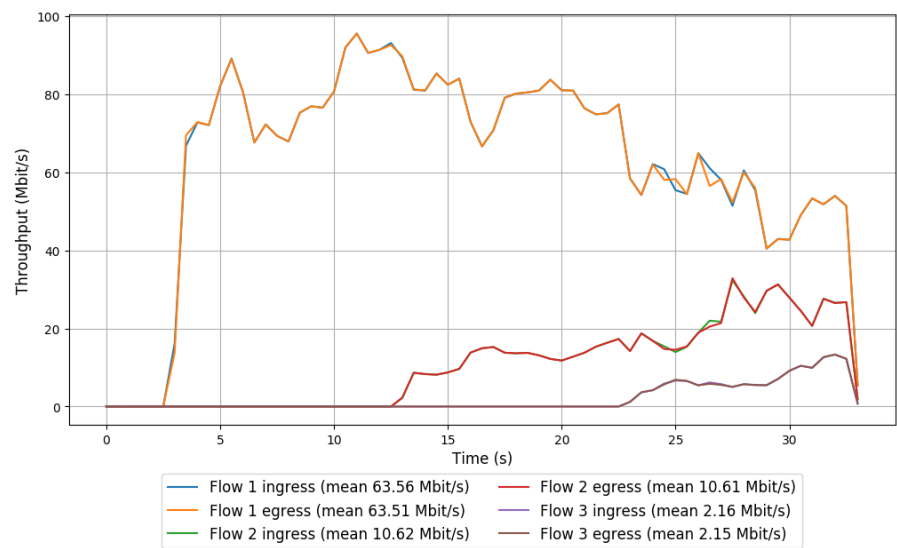
-- Flow 3:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 12.253 ms

Loss rate: 0.32%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

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

End at: Tue, 04 Jul 2017 20:36:50 +0000

Local clock offset: -2.895 ms

Remote clock offset: 0.546 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.49 Mbit/s

95th percentile per-packet one-way delay: 3.860 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 63.99 Mbit/s

95th percentile per-packet one-way delay: 2.567 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 8.03 Mbit/s

95th percentile per-packet one-way delay: 7.792 ms

Loss rate: 0.27%

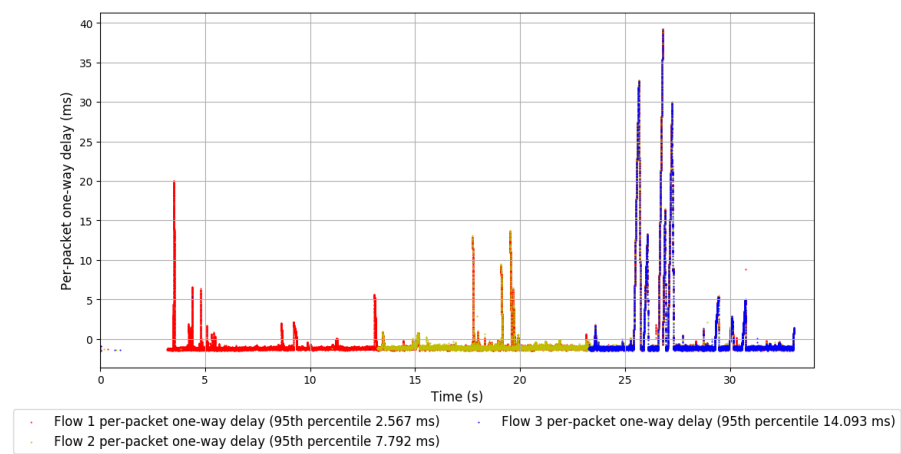
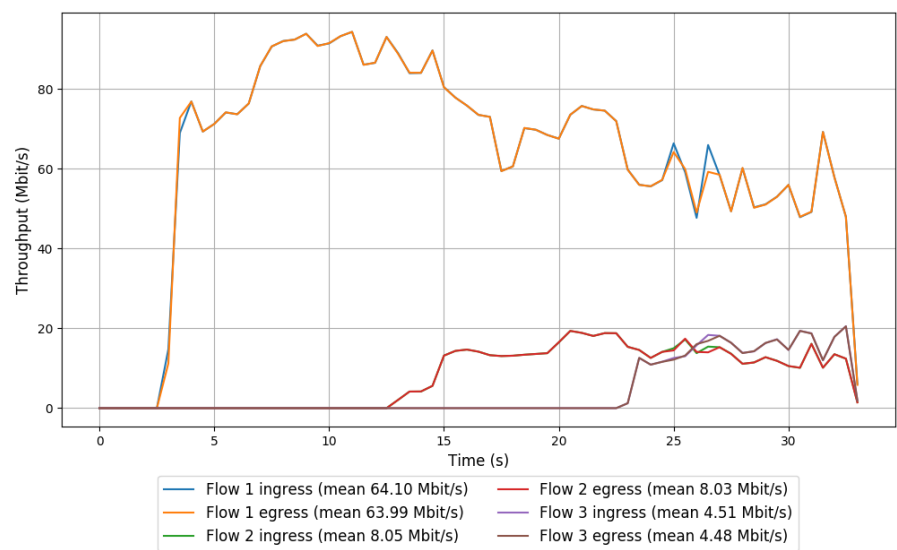
-- Flow 3:

Average throughput: 4.48 Mbit/s

95th percentile per-packet one-way delay: 14.093 ms

Loss rate: 0.51%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

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

End at: Tue, 04 Jul 2017 20:53:48 +0000

Local clock offset: -2.448 ms

Remote clock offset: -0.279 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 72.64 Mbit/s

95th percentile per-packet one-way delay: 33.960 ms

Loss rate: 5.12%

-- Flow 1:

Average throughput: 50.74 Mbit/s

95th percentile per-packet one-way delay: 32.411 ms

Loss rate: 4.01%

-- Flow 2:

Average throughput: 15.36 Mbit/s

95th percentile per-packet one-way delay: 34.800 ms

Loss rate: 5.93%

-- Flow 3:

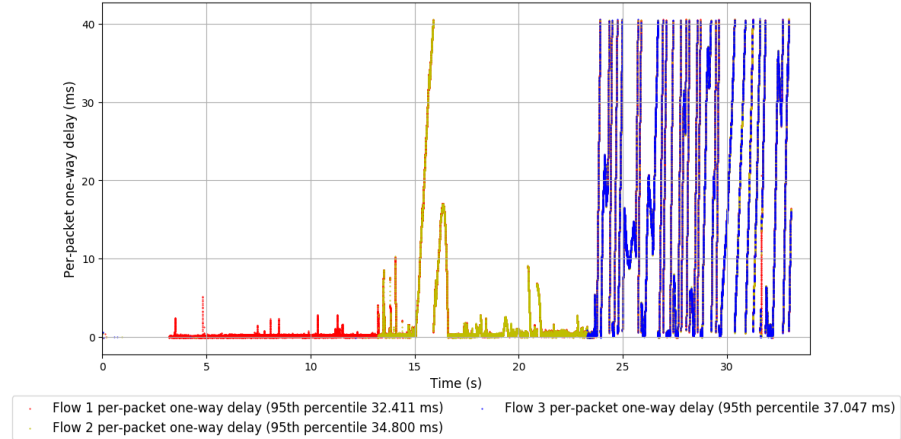
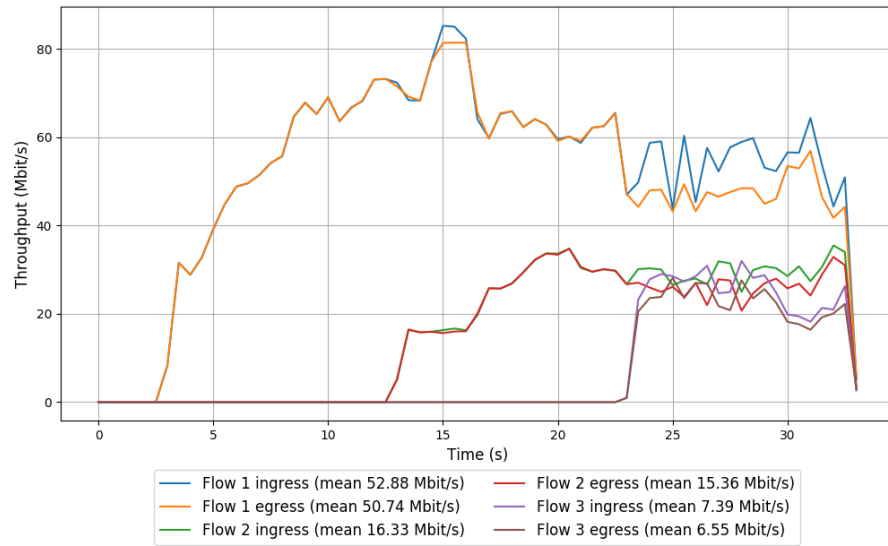
Average throughput: 6.55 Mbit/s

95th percentile per-packet one-way delay: 37.047 ms

Loss rate: 11.31%



## Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Tue, 04 Jul 2017 21:10:21 +0000

End at: Tue, 04 Jul 2017 21:10:51 +0000

Local clock offset: -1.926 ms

Remote clock offset: -1.241 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:21 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 71.61 Mbit/s

95th percentile per-packet one-way delay: 24.075 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 62.35 Mbit/s

95th percentile per-packet one-way delay: 23.446 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 25.090 ms

Loss rate: 0.89%

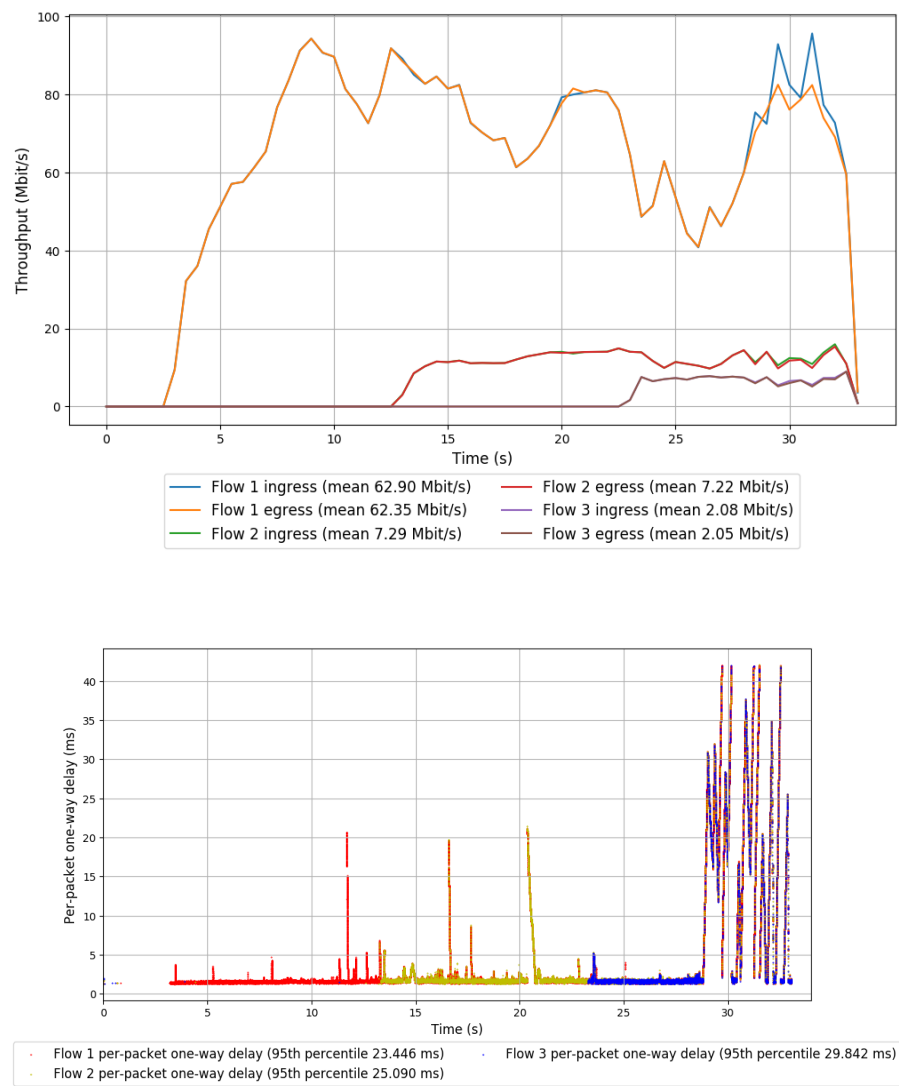
-- Flow 3:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 29.842 ms

Loss rate: 1.58%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Tue, 04 Jul 2017 21:27:25 +0000

End at: Tue, 04 Jul 2017 21:27:55 +0000

Local clock offset: -1.458 ms

Remote clock offset: -2.0 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 74.15 Mbit/s

95th percentile per-packet one-way delay: 5.743 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 68.18 Mbit/s

95th percentile per-packet one-way delay: 5.787 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 7.249 ms

Loss rate: 0.00%

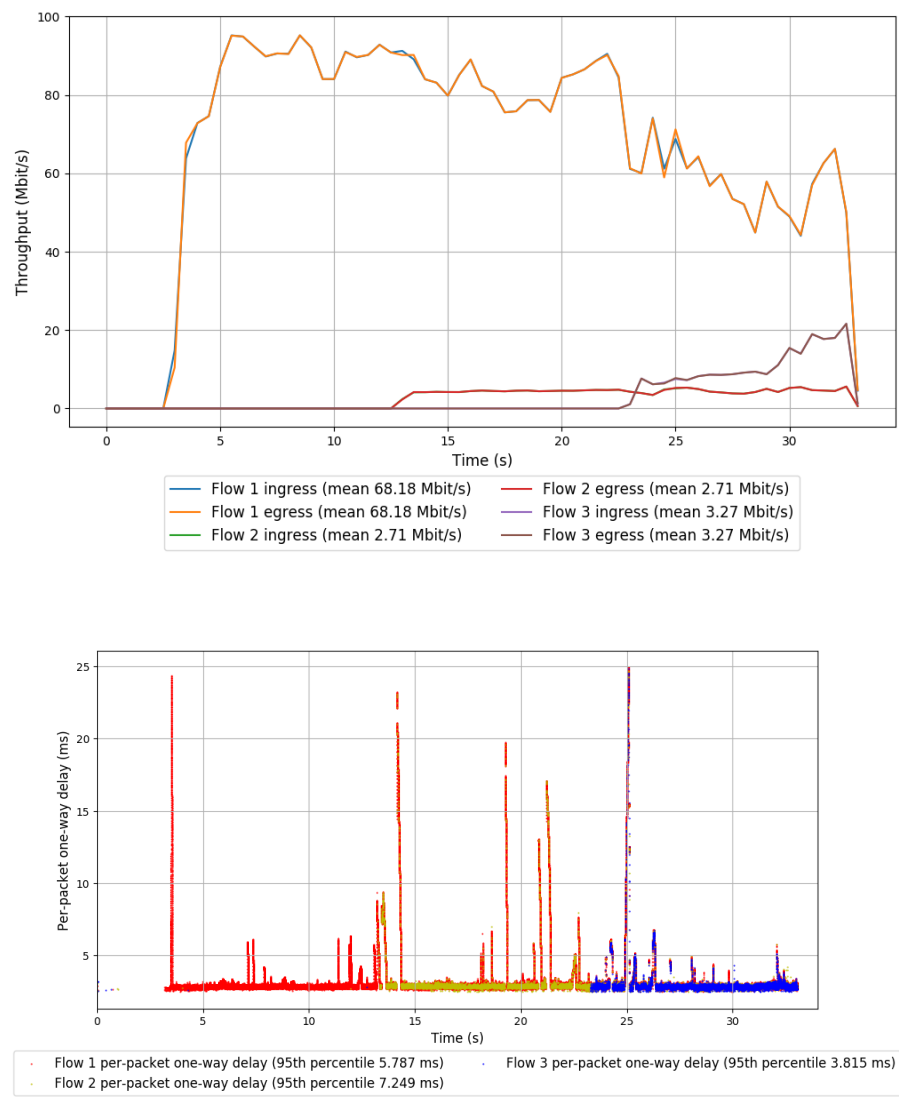
-- Flow 3:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: 3.815 ms

Loss rate: 0.00%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 18:52:08 +0000

End at: Tue, 04 Jul 2017 18:52:38 +0000

Local clock offset: -2.372 ms

Remote clock offset: 0.206 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.397 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.380 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.461 ms

Loss rate: 0.00%

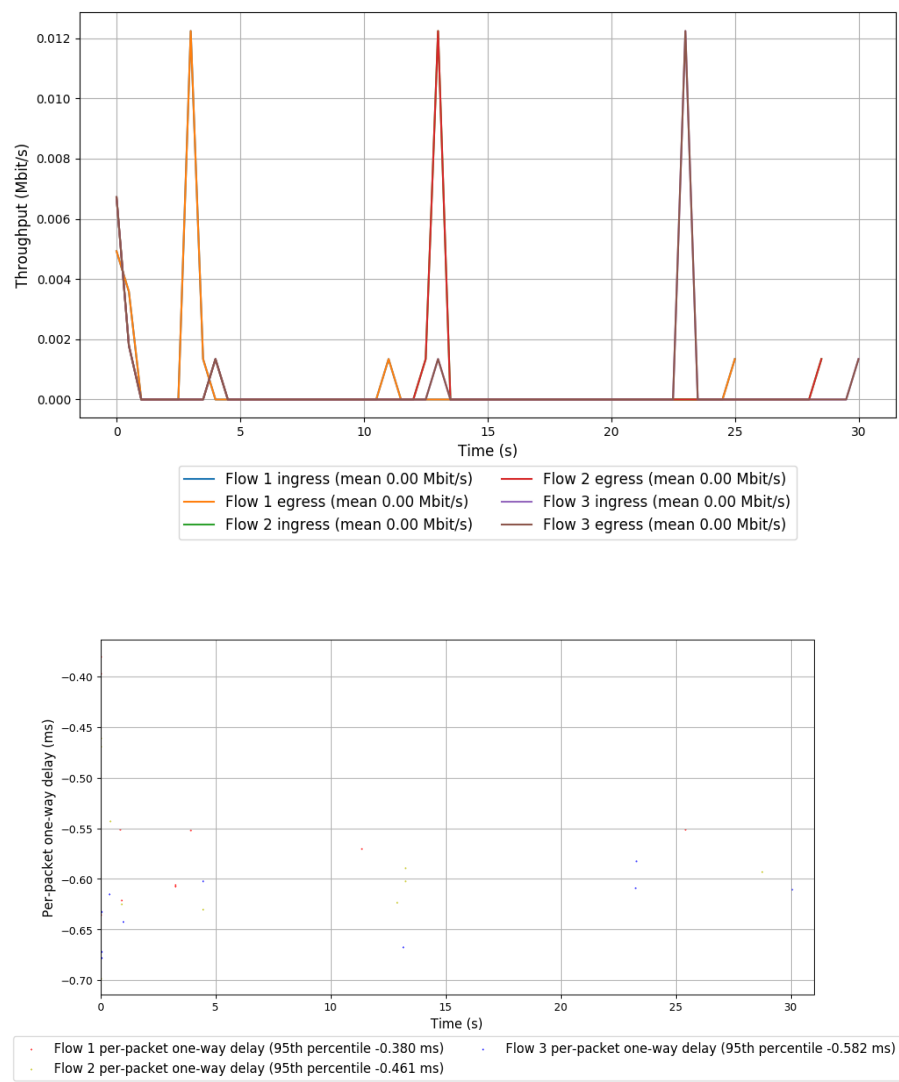
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.582 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 19:09:14 +0000

End at: Tue, 04 Jul 2017 19:09:44 +0000

Local clock offset: -2.399 ms

Remote clock offset: 0.298 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.547 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.547 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.580 ms

Loss rate: 0.00%

-- Flow 3:

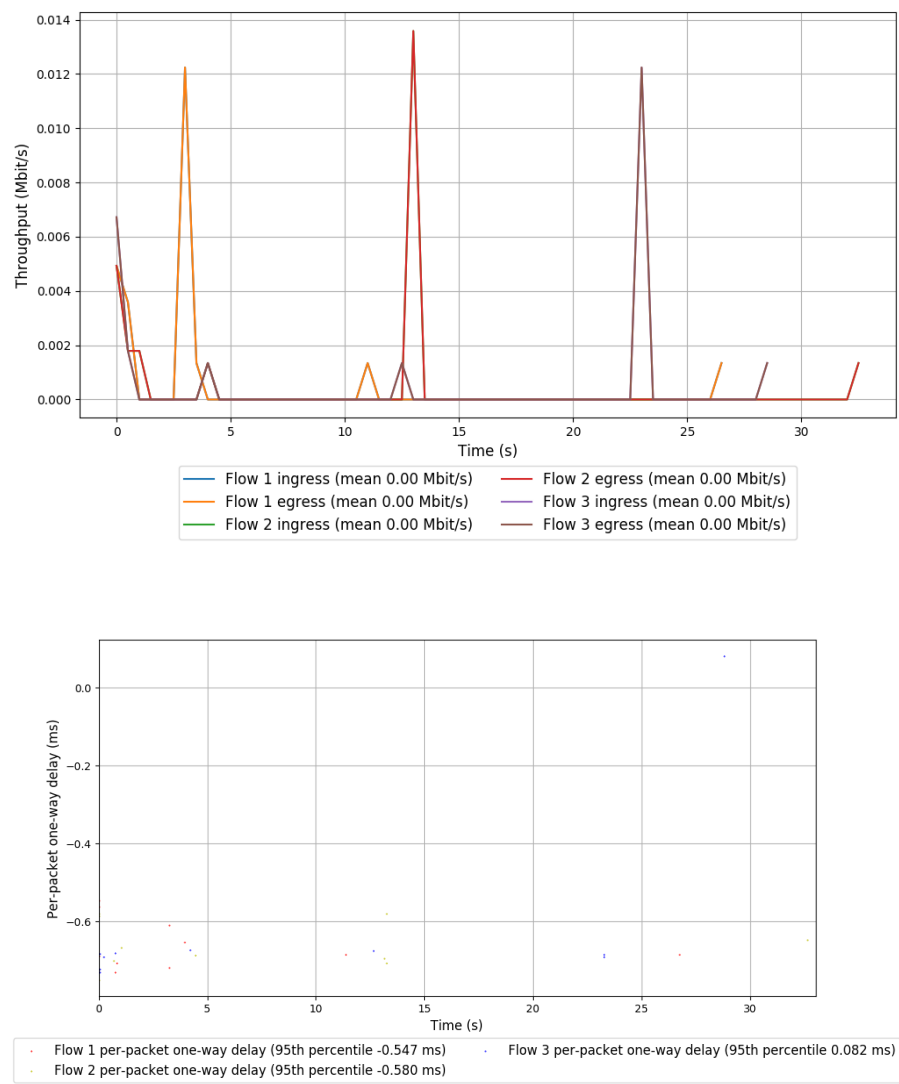
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.082 ms

Loss rate: 0.00%



Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 19:26:56 +0000

End at: Tue, 04 Jul 2017 19:27:26 +0000

Local clock offset: -2.411 ms

Remote clock offset: 0.231 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.484 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.471 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.488 ms

Loss rate: 0.00%

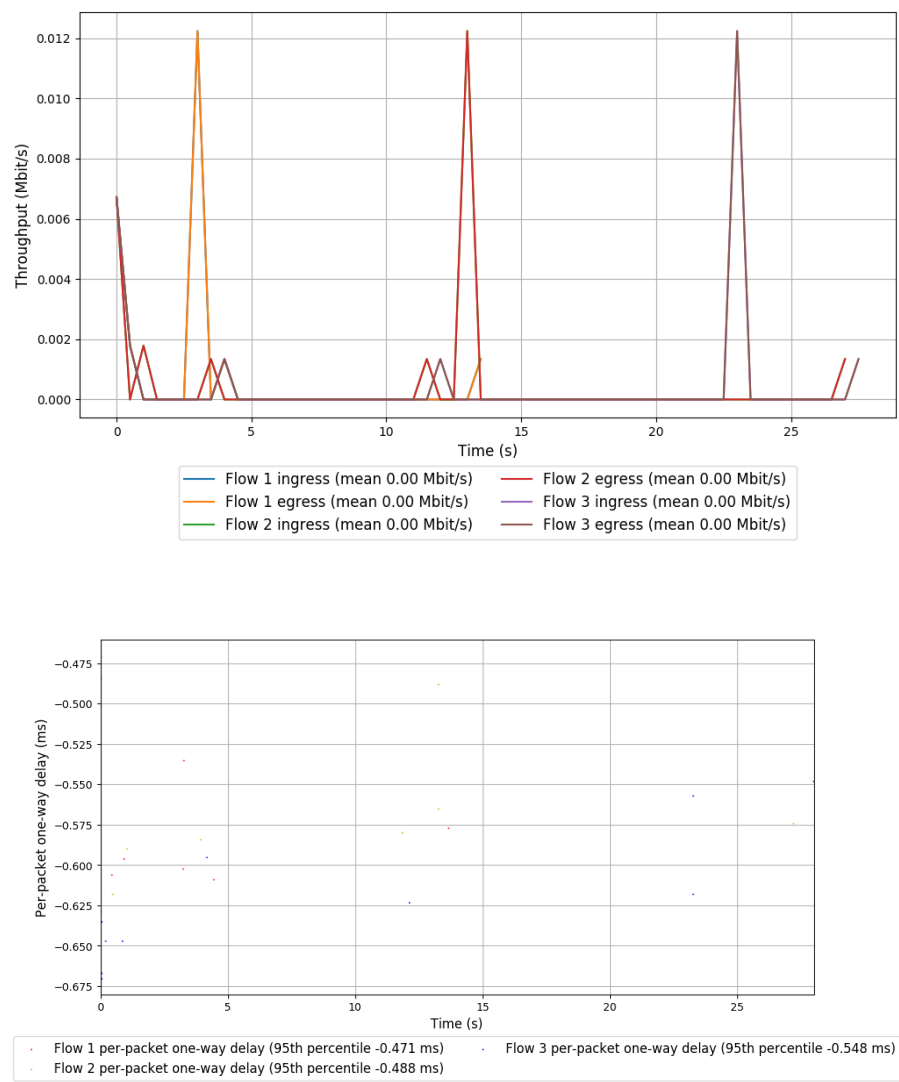
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.548 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 19:44:05 +0000

End at: Tue, 04 Jul 2017 19:44:35 +0000

Local clock offset: -2.592 ms

Remote clock offset: 0.477 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.809 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.804 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.894 ms

Loss rate: 0.00%

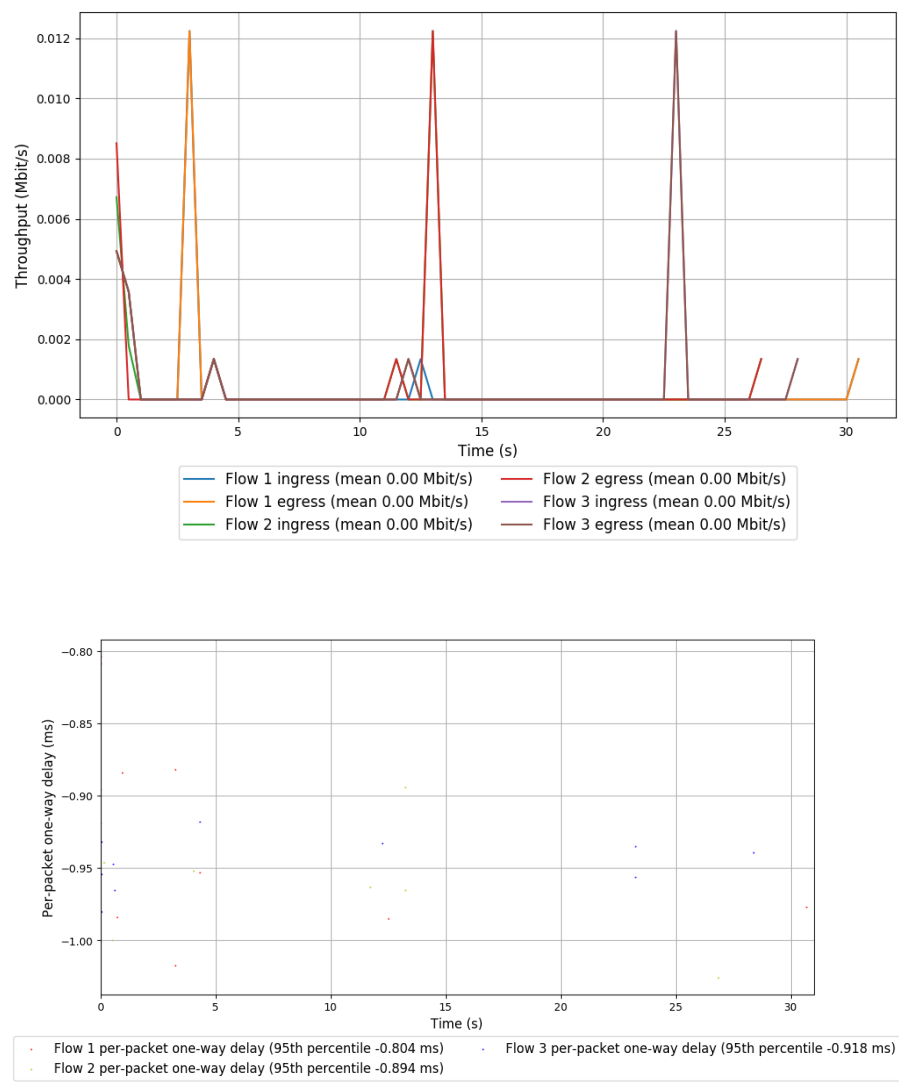
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.918 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 20:01:07 +0000

End at: Tue, 04 Jul 2017 20:01:37 +0000

Local clock offset: -2.558 ms

Remote clock offset: 0.875 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.148 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.148 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.266 ms

Loss rate: 0.00%

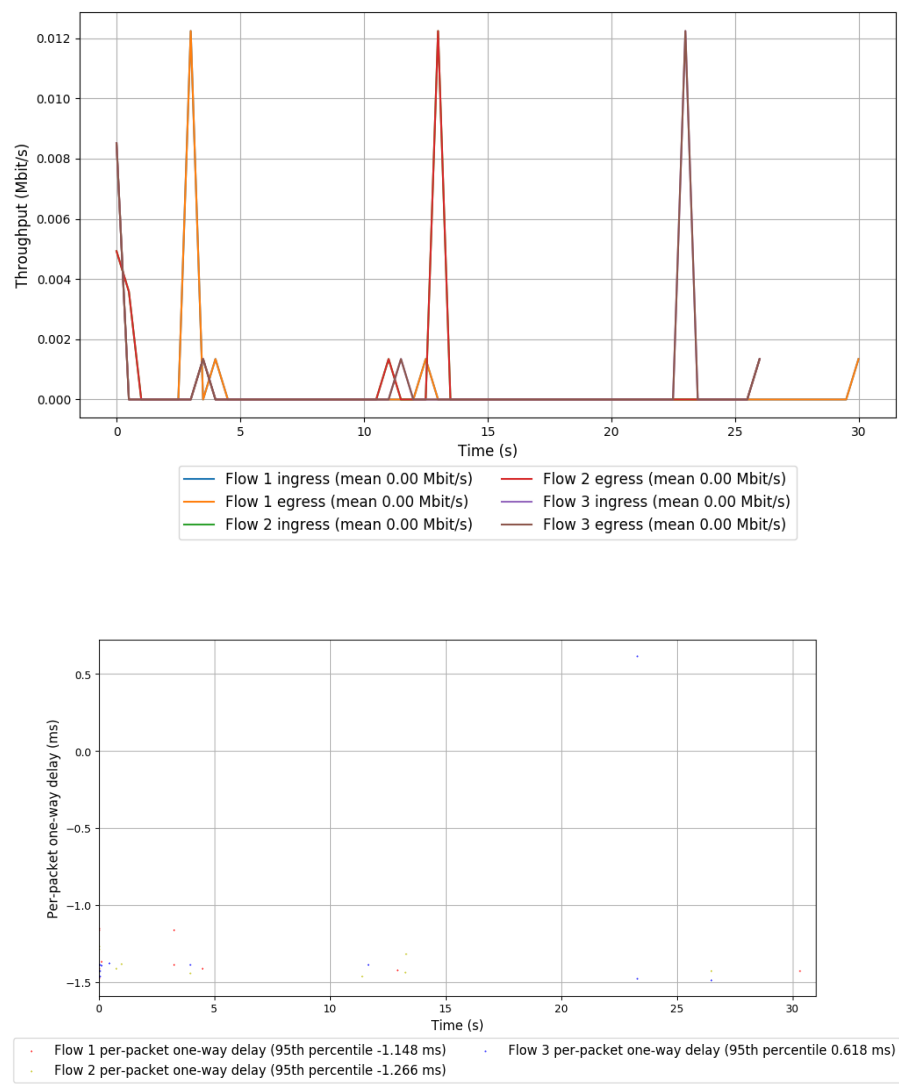
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.618 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 20:18:09 +0000

End at: Tue, 04 Jul 2017 20:18:39 +0000

Local clock offset: -3.411 ms

Remote clock offset: 0.881 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -2.052 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -2.035 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -2.163 ms

Loss rate: 0.00%

-- Flow 3:

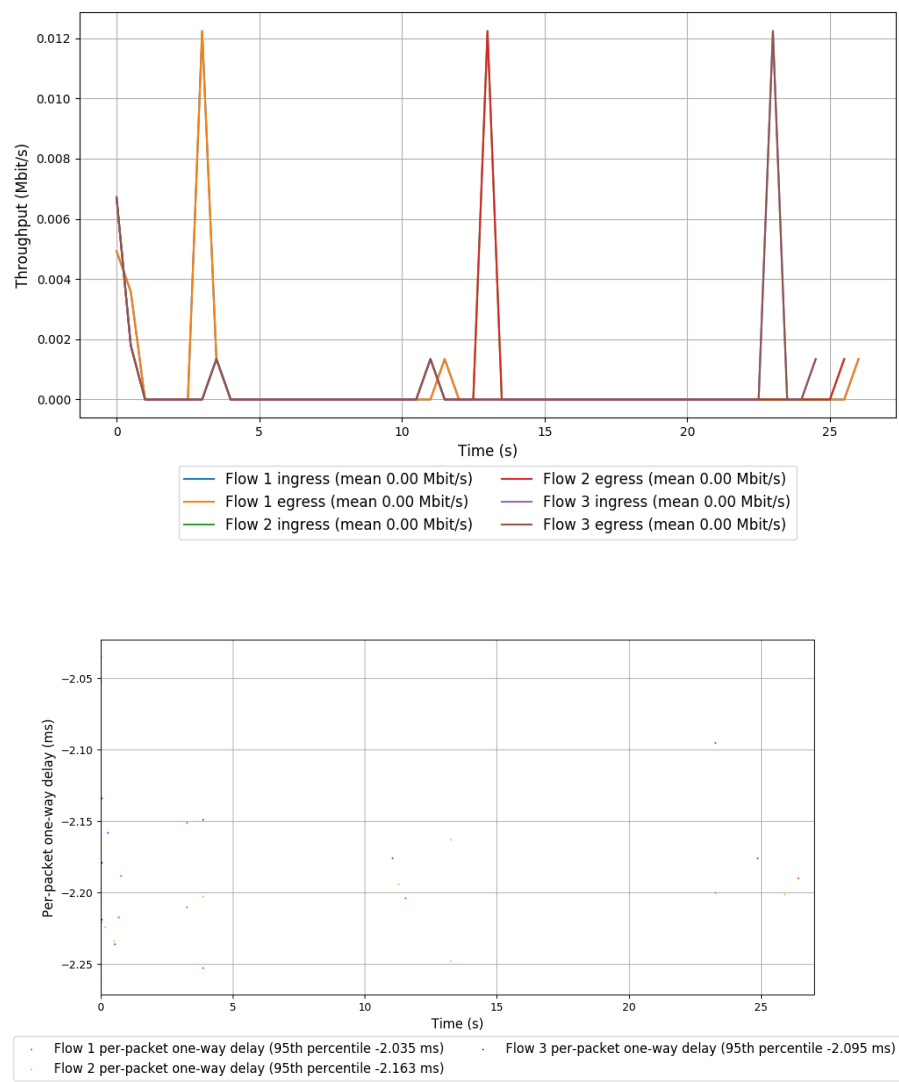
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -2.095 ms

Loss rate: 0.00%



Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 20:35:16 +0000

End at: Tue, 04 Jul 2017 20:35:46 +0000

Local clock offset: -3.006 ms

Remote clock offset: 0.543 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.165 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.150 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.370 ms

Loss rate: 0.00%

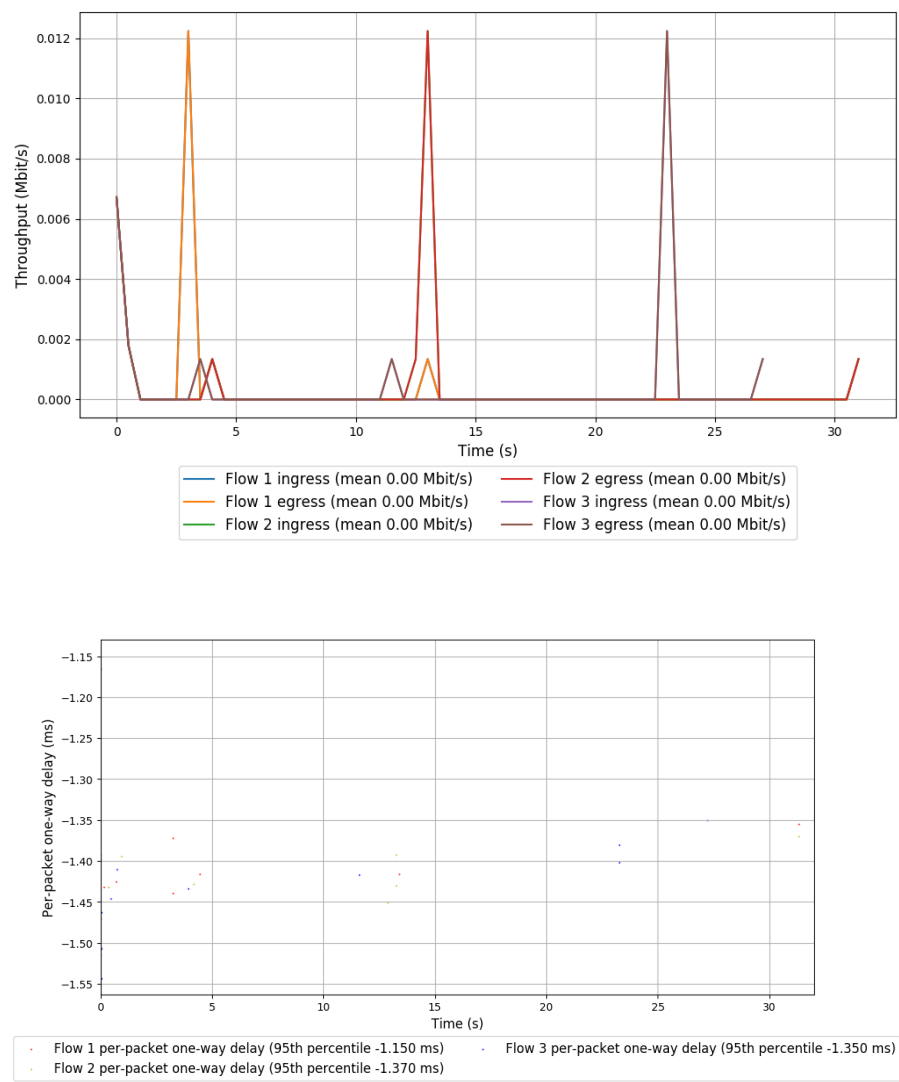
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.350 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

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

End at: Tue, 04 Jul 2017 20:52:44 +0000

Local clock offset: -2.443 ms

Remote clock offset: -0.224 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.028 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.070 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.452 ms

Loss rate: 0.00%

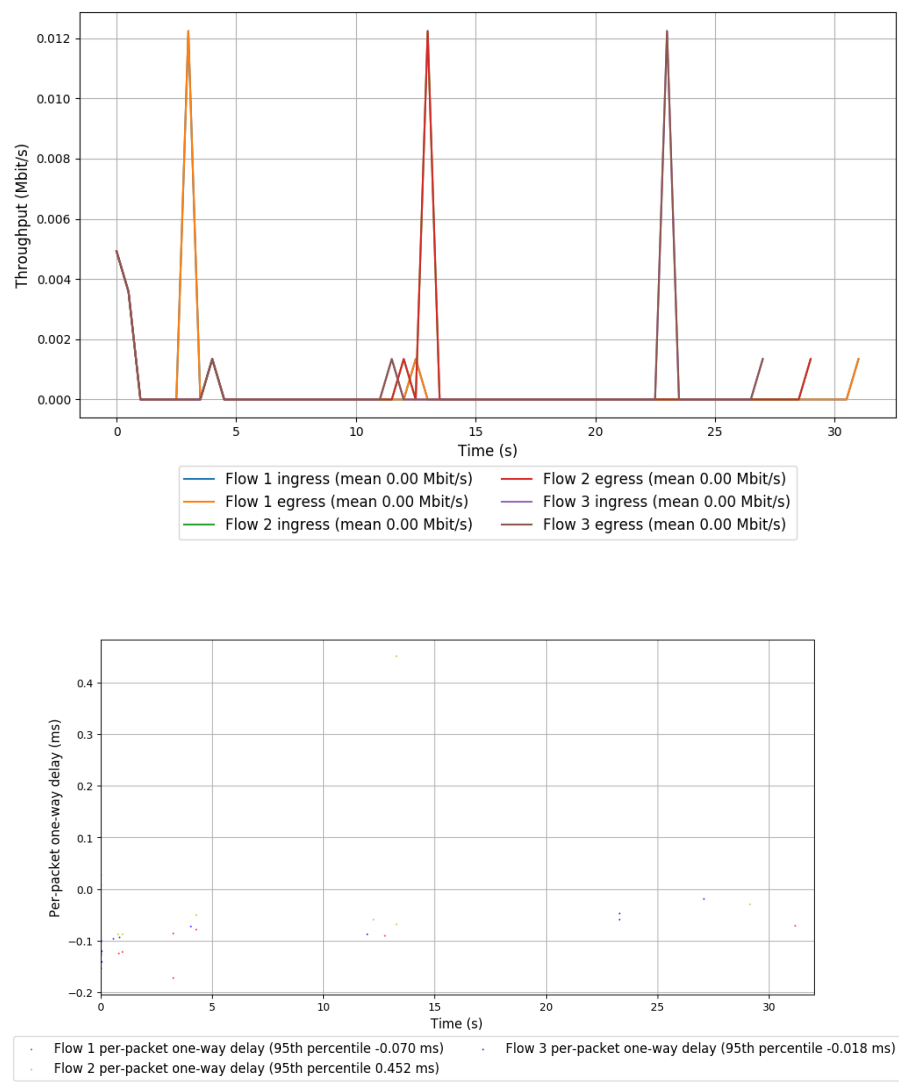
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.018 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 21:09:17 +0000

End at: Tue, 04 Jul 2017 21:09:47 +0000

Local clock offset: -1.966 ms

Remote clock offset: -1.182 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.524 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.542 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.498 ms

Loss rate: 0.00%

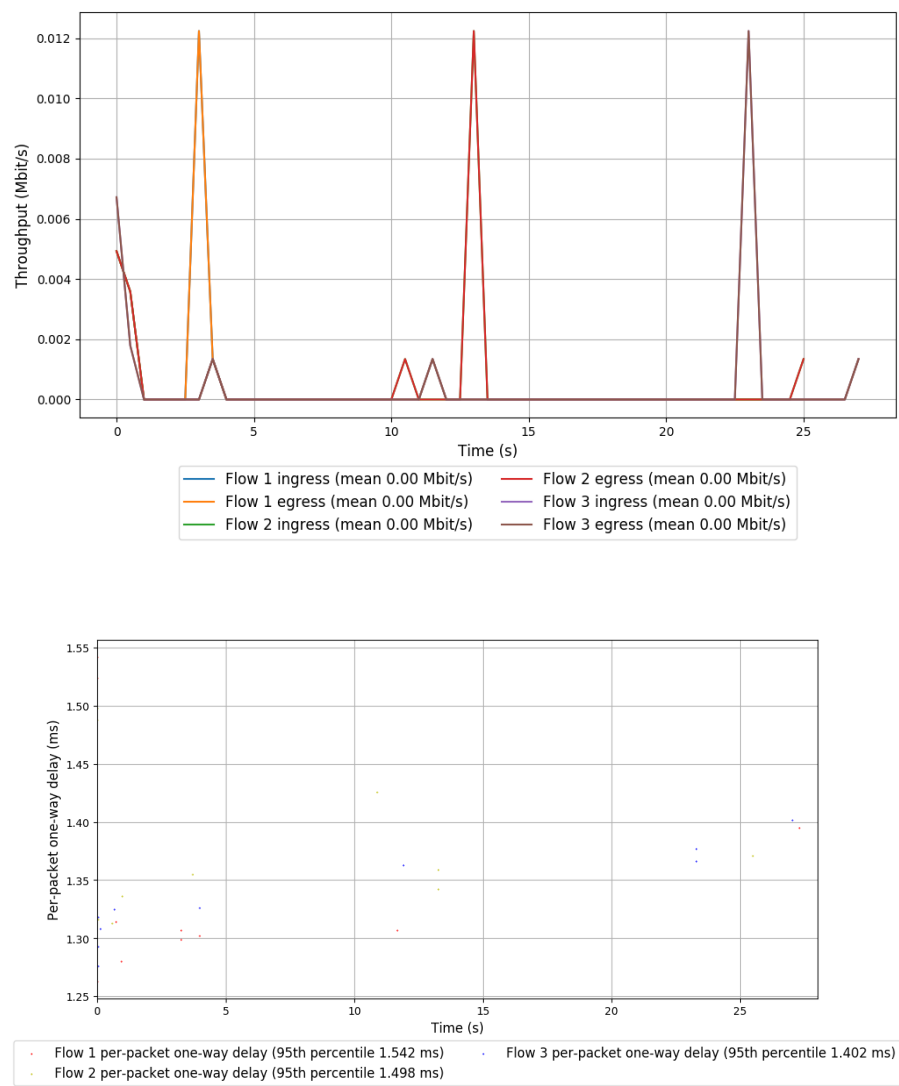
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.402 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

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

End at: Tue, 04 Jul 2017 21:26:51 +0000

Local clock offset: -1.56 ms

Remote clock offset: -1.952 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.812 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.822 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.729 ms

Loss rate: 0.00%

-- Flow 3:

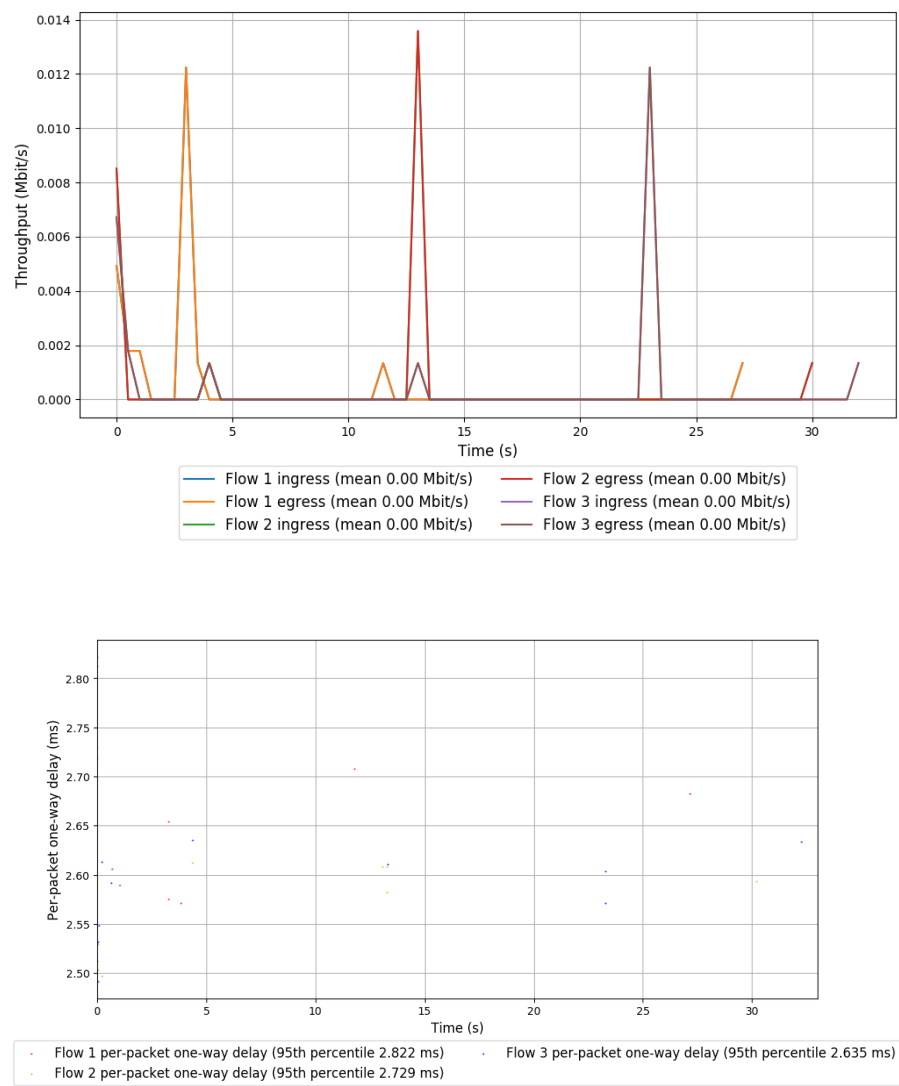
Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.635 ms

Loss rate: 0.00%



Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

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

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

Local clock offset: -2.37 ms

Remote clock offset: 0.28 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 20.073 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 31.40 Mbit/s

95th percentile per-packet one-way delay: 20.085 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 34.80 Mbit/s

95th percentile per-packet one-way delay: 20.070 ms

Loss rate: 0.88%

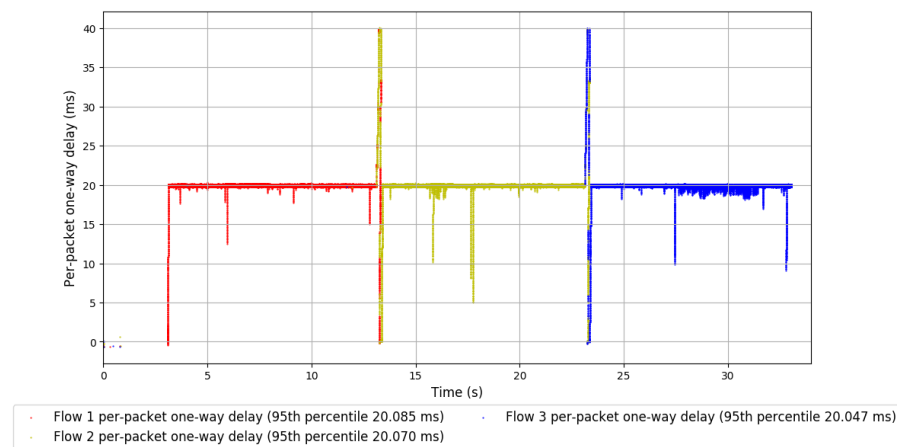
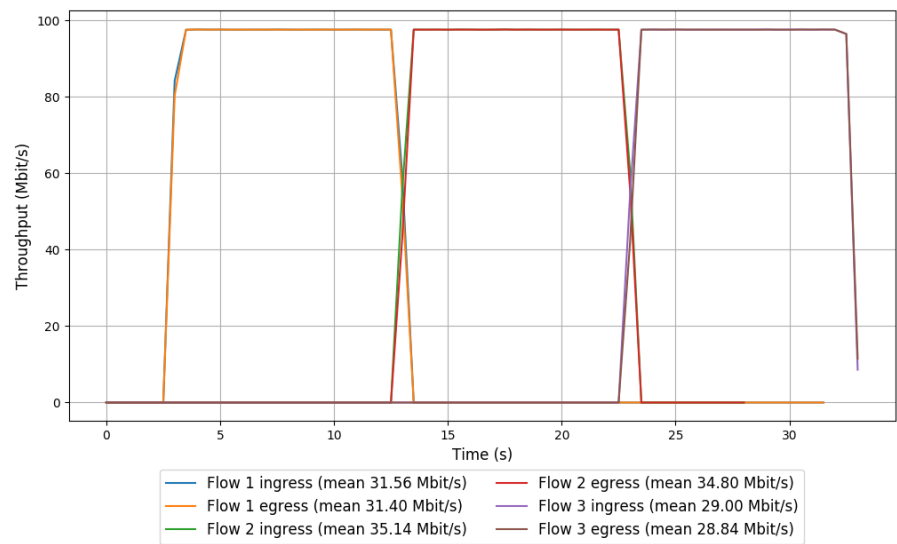
-- Flow 3:

Average throughput: 28.84 Mbit/s

95th percentile per-packet one-way delay: 20.047 ms

Loss rate: 0.50%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Tue, 04 Jul 2017 19:05:41 +0000

End at: Tue, 04 Jul 2017 19:06:11 +0000

Local clock offset: -2.408 ms

Remote clock offset: 0.343 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 19.958 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 30.79 Mbit/s

95th percentile per-packet one-way delay: 19.961 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 58.16 Mbit/s

95th percentile per-packet one-way delay: 19.954 ms

Loss rate: 0.38%

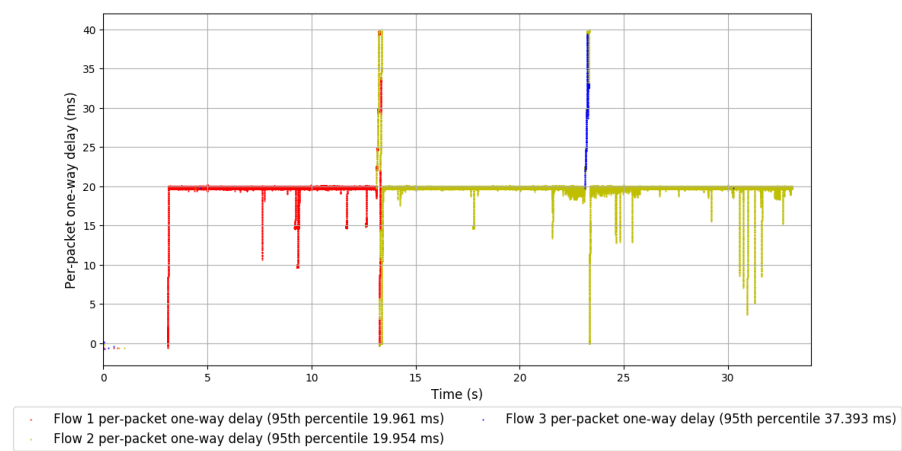
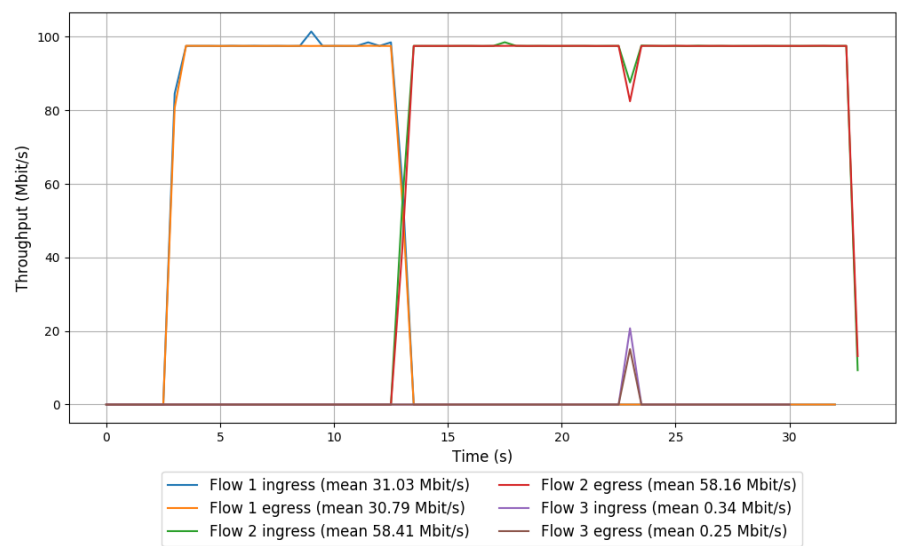
-- Flow 3:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 37.393 ms

Loss rate: 27.30%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Tue, 04 Jul 2017 19:23:26 +0000

End at: Tue, 04 Jul 2017 19:23:56 +0000

Local clock offset: -2.391 ms

Remote clock offset: 0.188 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 20.045 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 38.35 Mbit/s

95th percentile per-packet one-way delay: 20.022 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 36.33 Mbit/s

95th percentile per-packet one-way delay: 20.051 ms

Loss rate: 0.88%

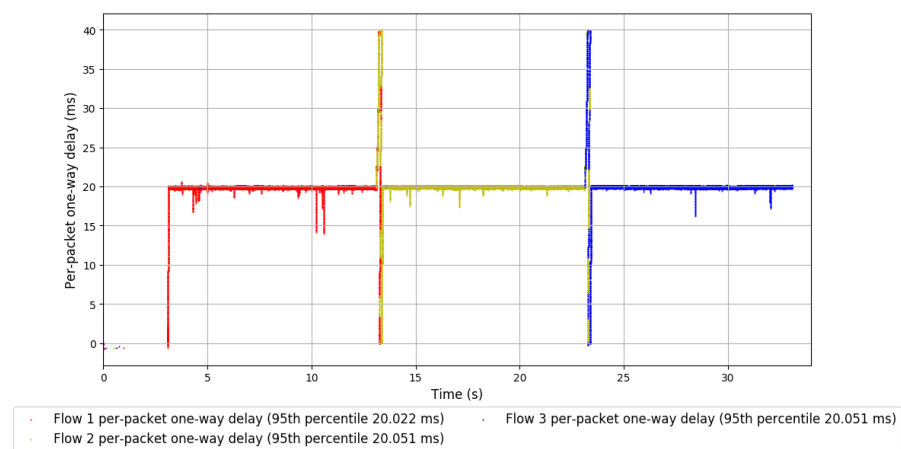
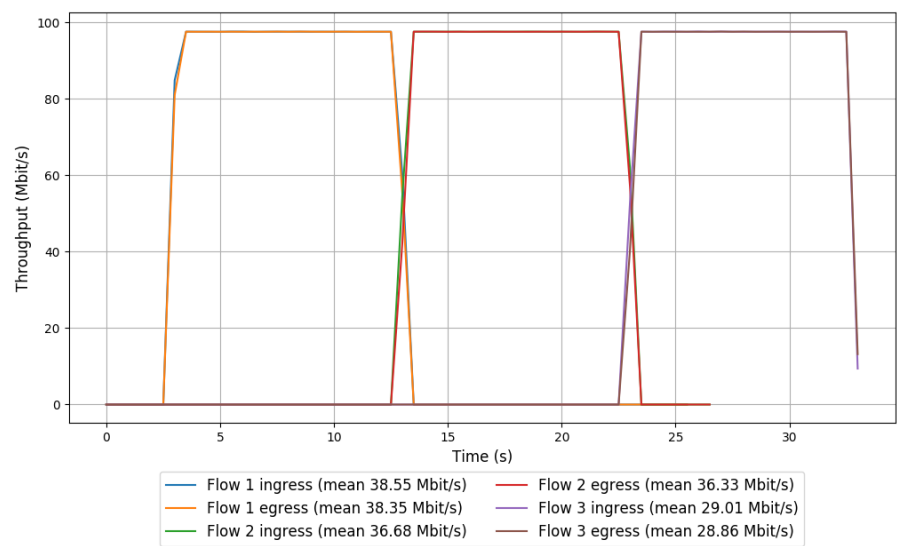
-- Flow 3:

Average throughput: 28.86 Mbit/s

95th percentile per-packet one-way delay: 20.051 ms

Loss rate: 0.45%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

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

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

Local clock offset: -2.496 ms

Remote clock offset: 0.416 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:19:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.42 Mbit/s

95th percentile per-packet one-way delay: 19.780 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 32.55 Mbit/s

95th percentile per-packet one-way delay: 19.787 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 31.96 Mbit/s

95th percentile per-packet one-way delay: 19.783 ms

Loss rate: 0.89%

-- Flow 3:

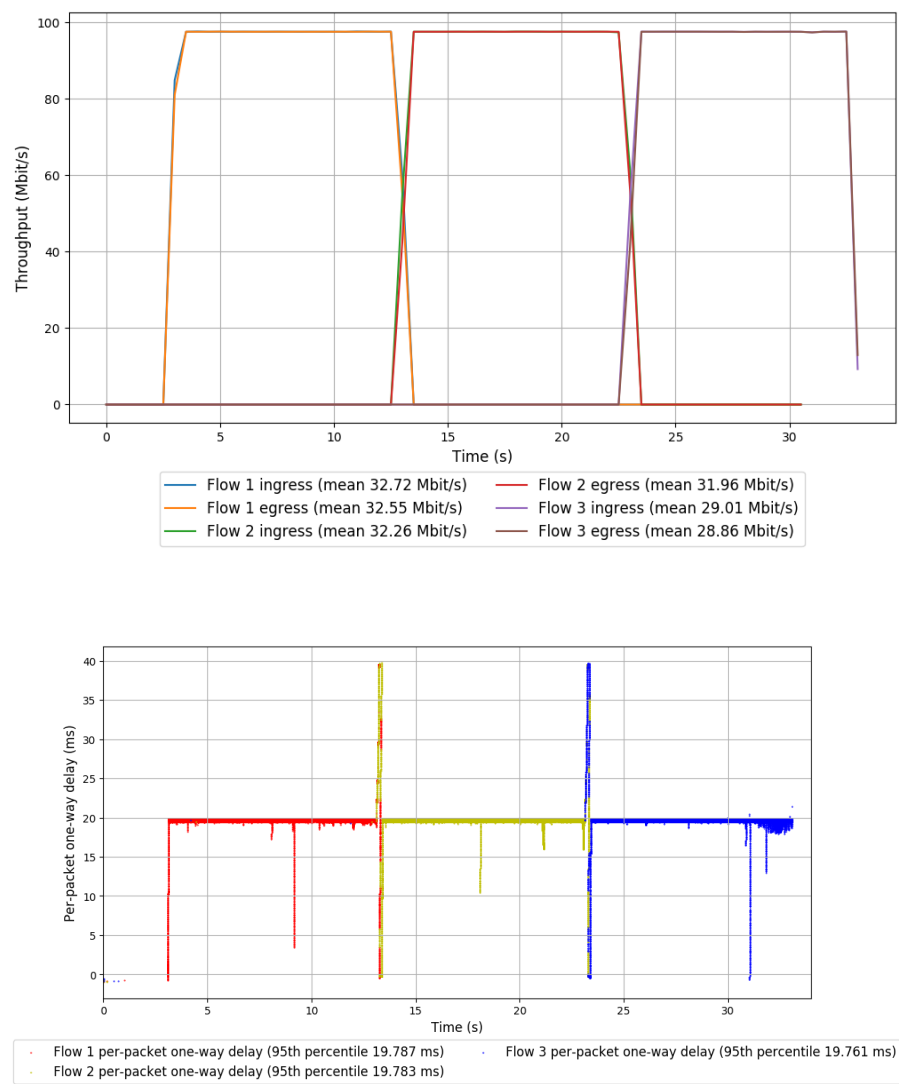
Average throughput: 28.86 Mbit/s

95th percentile per-packet one-way delay: 19.761 ms

Loss rate: 0.45%



Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Tue, 04 Jul 2017 19:57:40 +0000

End at: Tue, 04 Jul 2017 19:58:10 +0000

Local clock offset: -2.42 ms

Remote clock offset: 0.695 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.42 Mbit/s

95th percentile per-packet one-way delay: 19.500 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 61.12 Mbit/s

95th percentile per-packet one-way delay: 19.502 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 36.915 ms

Loss rate: 22.21%

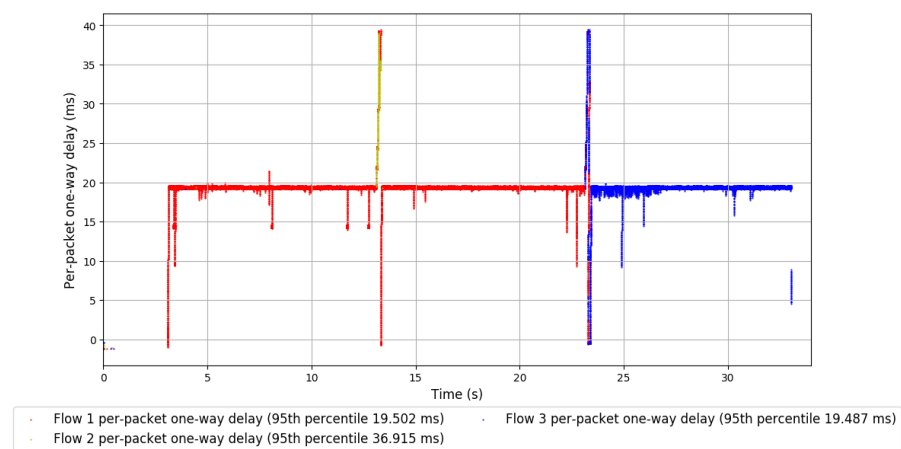
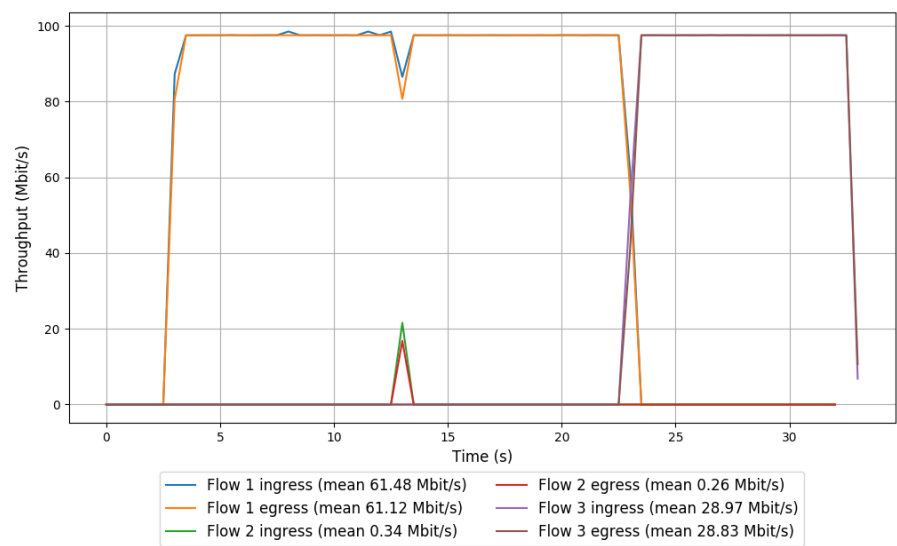
-- Flow 3:

Average throughput: 28.83 Mbit/s

95th percentile per-packet one-way delay: 19.487 ms

Loss rate: 0.44%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:14:36 +0000

End at: Tue, 04 Jul 2017 20:15:06 +0000

Local clock offset: -3.58 ms

Remote clock offset: 0.782 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 18.359 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 32.80 Mbit/s

95th percentile per-packet one-way delay: 18.328 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 34.56 Mbit/s

95th percentile per-packet one-way delay: 18.369 ms

Loss rate: 0.88%

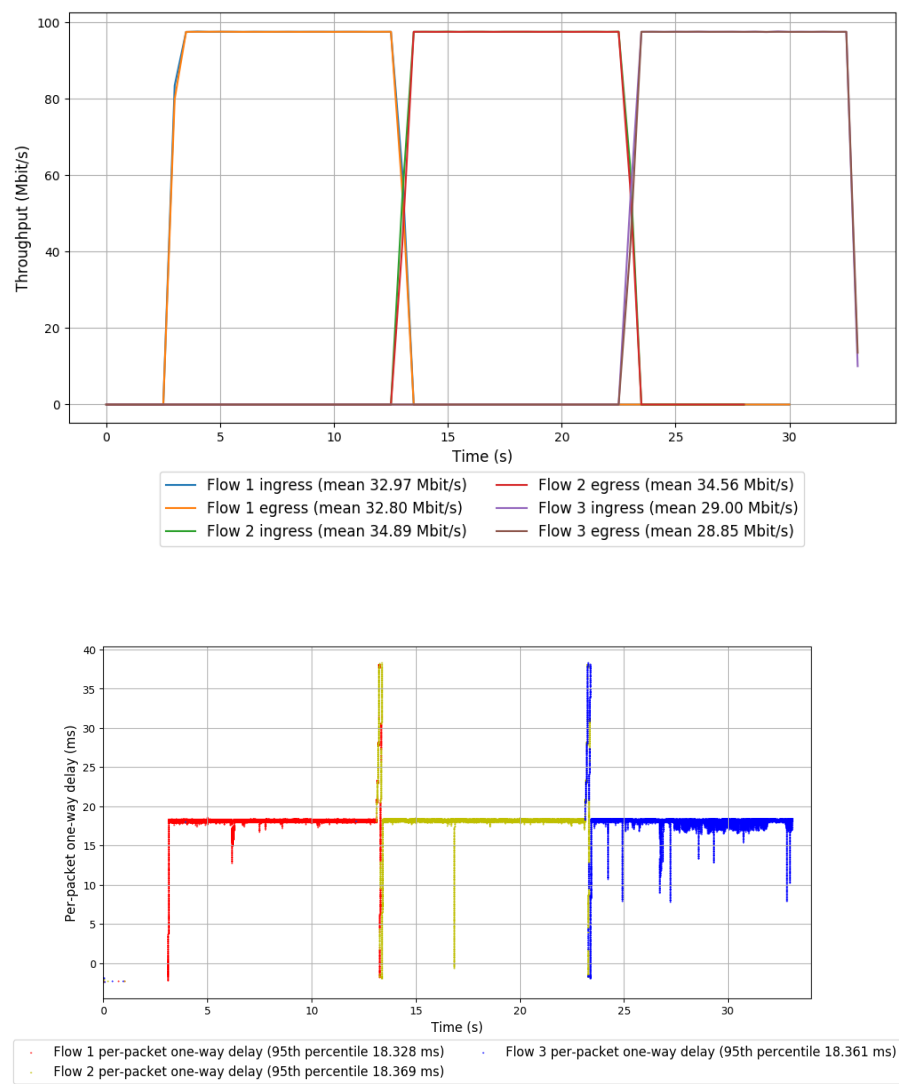
-- Flow 3:

Average throughput: 28.85 Mbit/s

95th percentile per-packet one-way delay: 18.361 ms

Loss rate: 0.45%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:31:45 +0000

End at: Tue, 04 Jul 2017 20:32:15 +0000

Local clock offset: -3.142 ms

Remote clock offset: 0.715 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.42 Mbit/s

95th percentile per-packet one-way delay: 18.933 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 76.33 Mbit/s

95th percentile per-packet one-way delay: 18.915 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: 36.173 ms

Loss rate: 25.34%

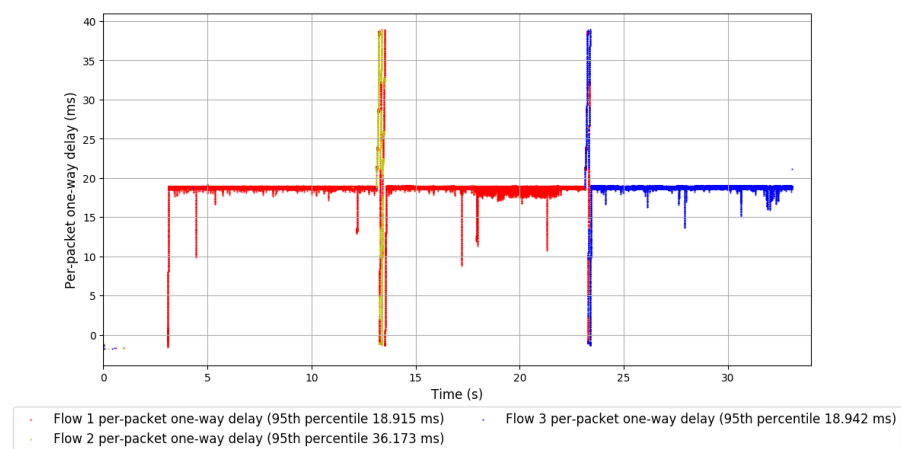
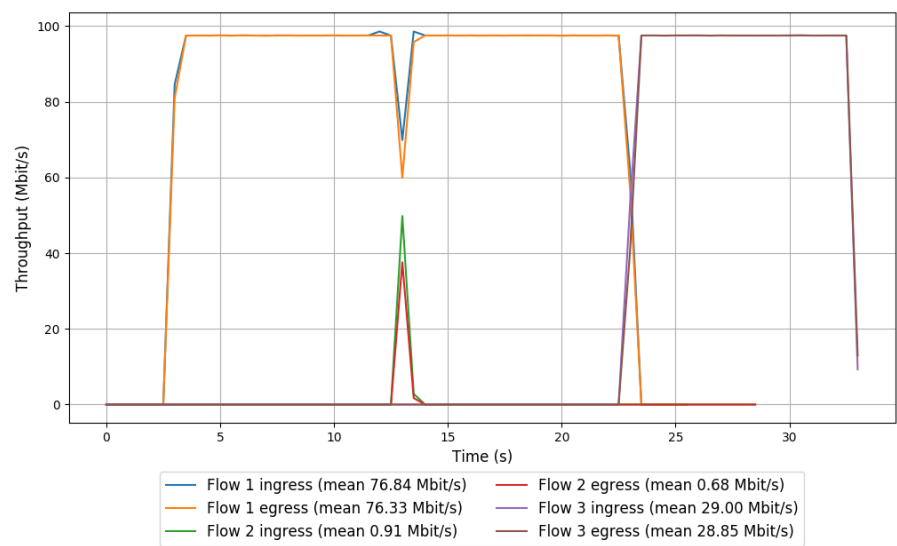
-- Flow 3:

Average throughput: 28.85 Mbit/s

95th percentile per-packet one-way delay: 18.942 ms

Loss rate: 0.45%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:48:45 +0000

End at: Tue, 04 Jul 2017 20:49:15 +0000

Local clock offset: -2.545 ms

Remote clock offset: -0.071 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 20.265 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 36.02 Mbit/s

95th percentile per-packet one-way delay: 20.231 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 36.74 Mbit/s

95th percentile per-packet one-way delay: 20.246 ms

Loss rate: 0.88%

-- Flow 3:

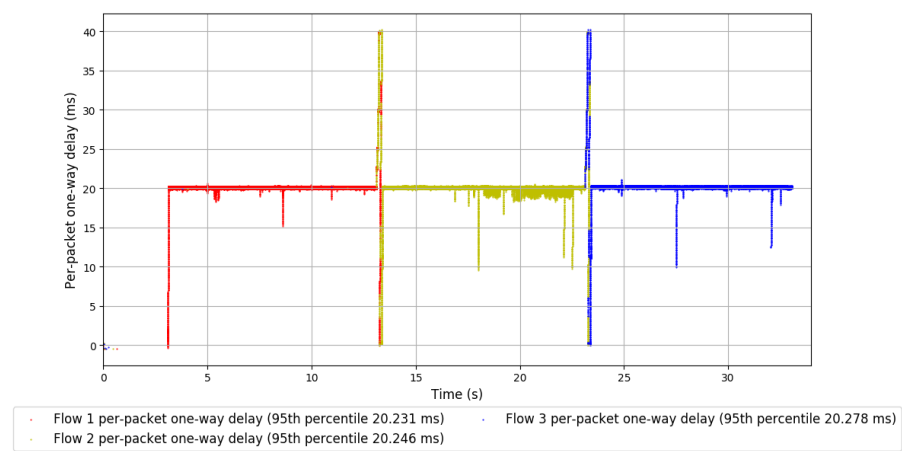
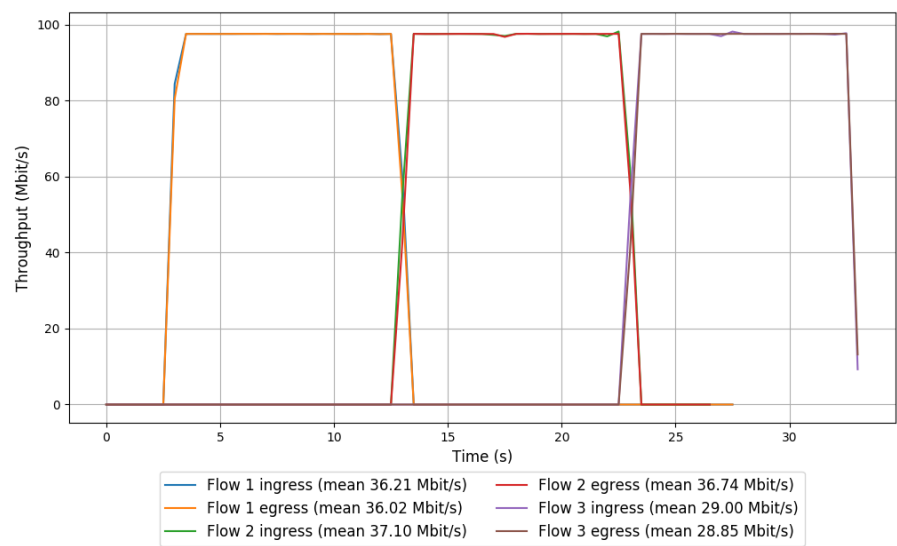
Average throughput: 28.85 Mbit/s

95th percentile per-packet one-way delay: 20.278 ms

Loss rate: 0.44%



Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Tue, 04 Jul 2017 21:05:44 +0000

End at: Tue, 04 Jul 2017 21:06:14 +0000

Local clock offset: -2.027 ms

Remote clock offset: -0.883 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:35 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 21.650 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 35.66 Mbit/s

95th percentile per-packet one-way delay: 21.662 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 41.84 Mbit/s

95th percentile per-packet one-way delay: 21.633 ms

Loss rate: 0.88%

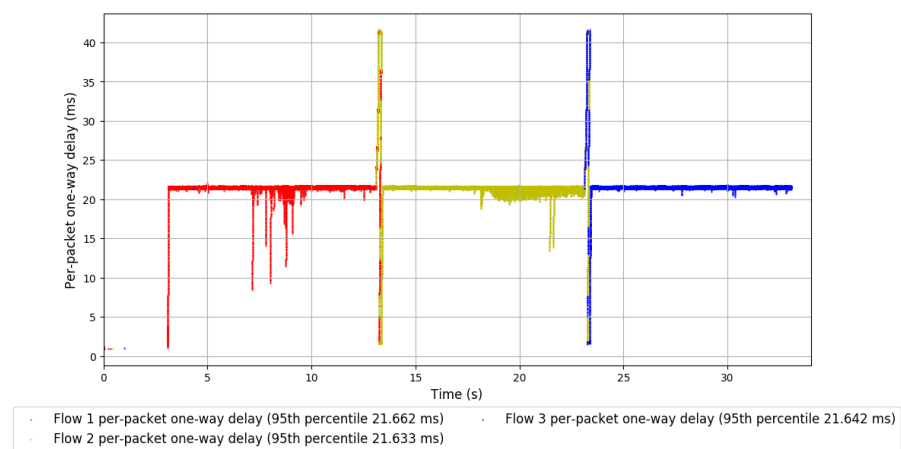
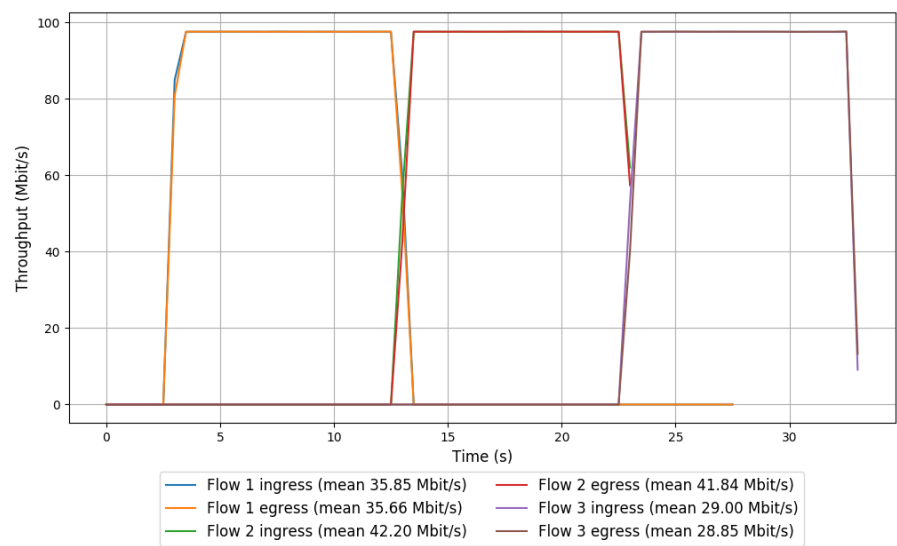
-- Flow 3:

Average throughput: 28.85 Mbit/s

95th percentile per-packet one-way delay: 21.642 ms

Loss rate: 0.44%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Tue, 04 Jul 2017 21:22:51 +0000

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

Local clock offset: -1.571 ms

Remote clock offset: -1.849 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.42 Mbit/s

95th percentile per-packet one-way delay: 23.020 ms

Loss rate: 0.92%

-- Flow 1:

Average throughput: 32.54 Mbit/s

95th percentile per-packet one-way delay: 23.031 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 35.91 Mbit/s

95th percentile per-packet one-way delay: 23.017 ms

Loss rate: 1.33%

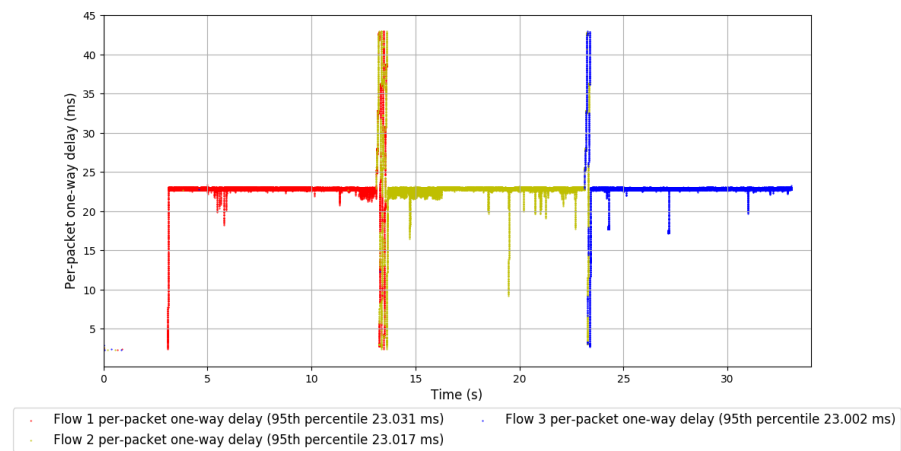
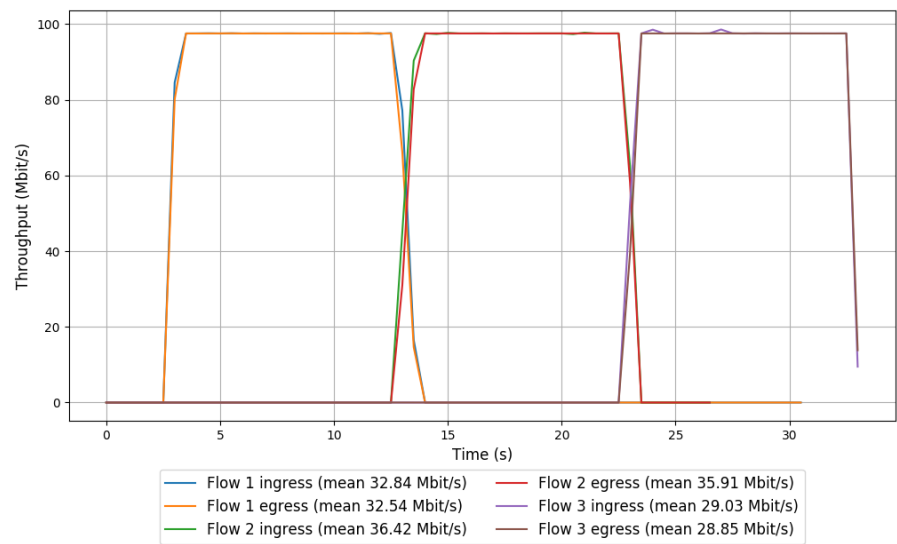
-- Flow 3:

Average throughput: 28.85 Mbit/s

95th percentile per-packet one-way delay: 23.002 ms

Loss rate: 0.56%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 18:39:36 +0000

End at: Tue, 04 Jul 2017 18:40:06 +0000

Local clock offset: -2.088 ms

Remote clock offset: 0.118 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -0.018 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.020 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -0.019 ms

Loss rate: 0.00%

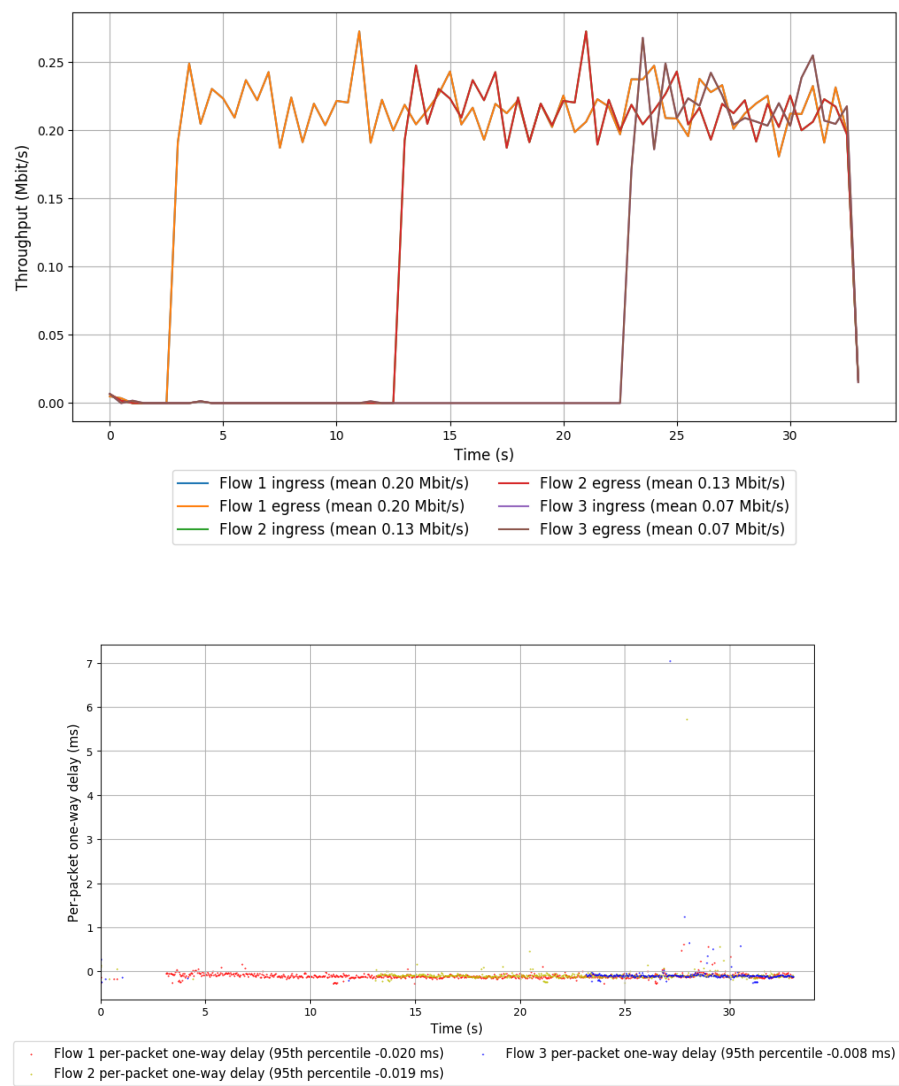
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -0.008 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 18:56:39 +0000

End at: Tue, 04 Jul 2017 18:57:09 +0000

Local clock offset: -2.352 ms

Remote clock offset: 0.276 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -0.443 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.431 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -0.485 ms

Loss rate: 0.00%

-- Flow 3:

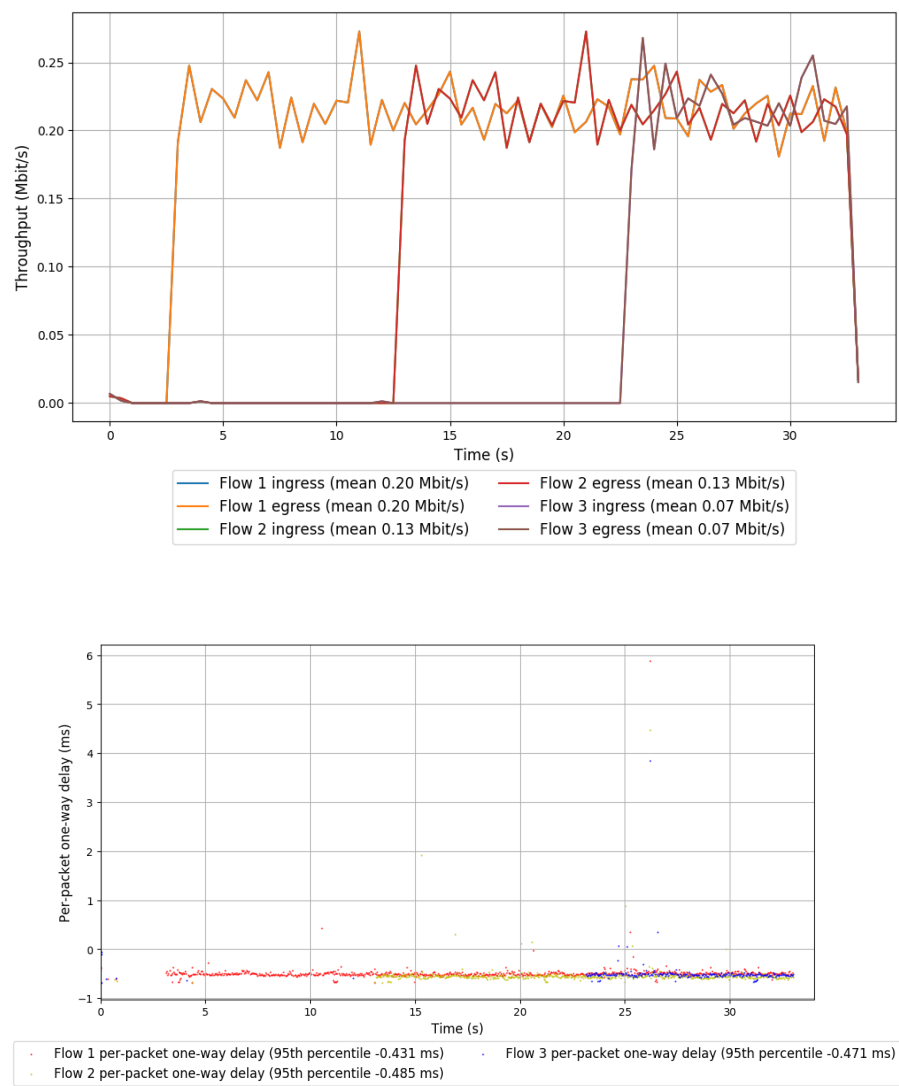
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -0.471 ms

Loss rate: 0.00%



Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 19:13:43 +0000

End at: Tue, 04 Jul 2017 19:14:13 +0000

Local clock offset: -2.414 ms

Remote clock offset: 0.318 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -0.499 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.482 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -0.540 ms

Loss rate: 0.00%

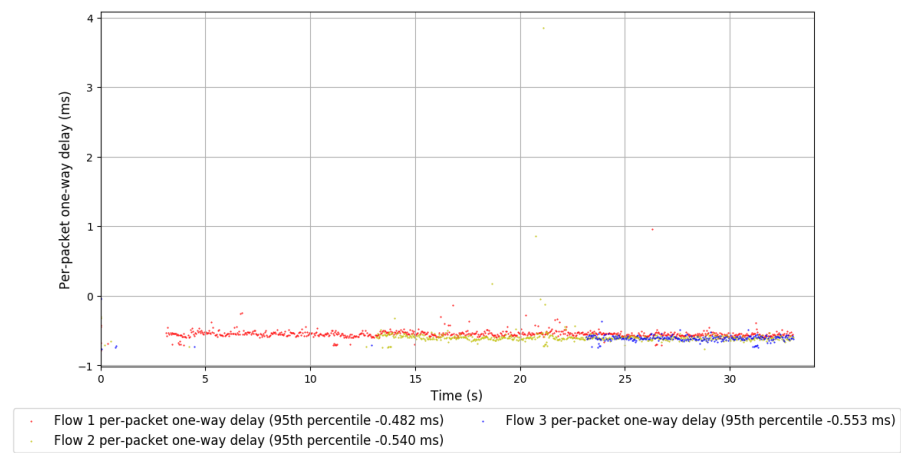
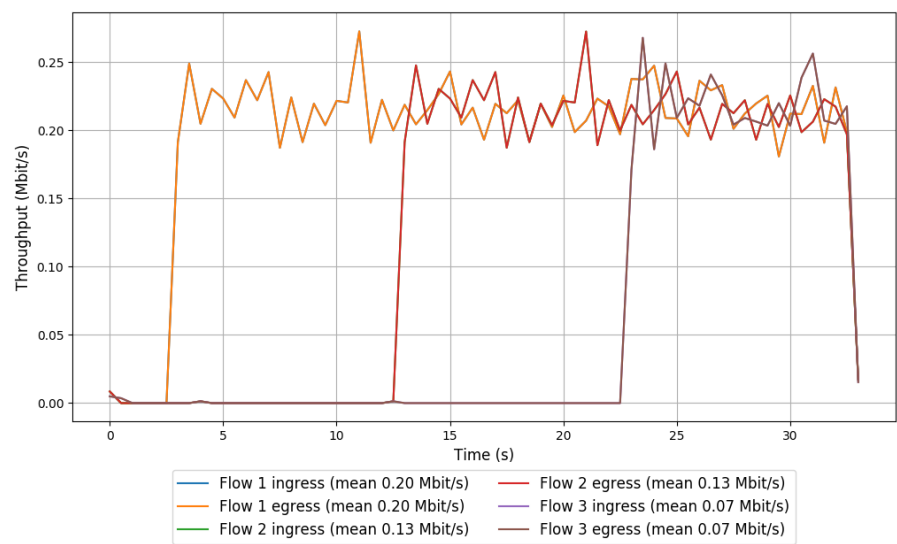
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -0.553 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 19:31:25 +0000

End at: Tue, 04 Jul 2017 19:31:55 +0000

Local clock offset: -2.452 ms

Remote clock offset: 0.17 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -0.484 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.492 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -0.459 ms

Loss rate: 0.00%

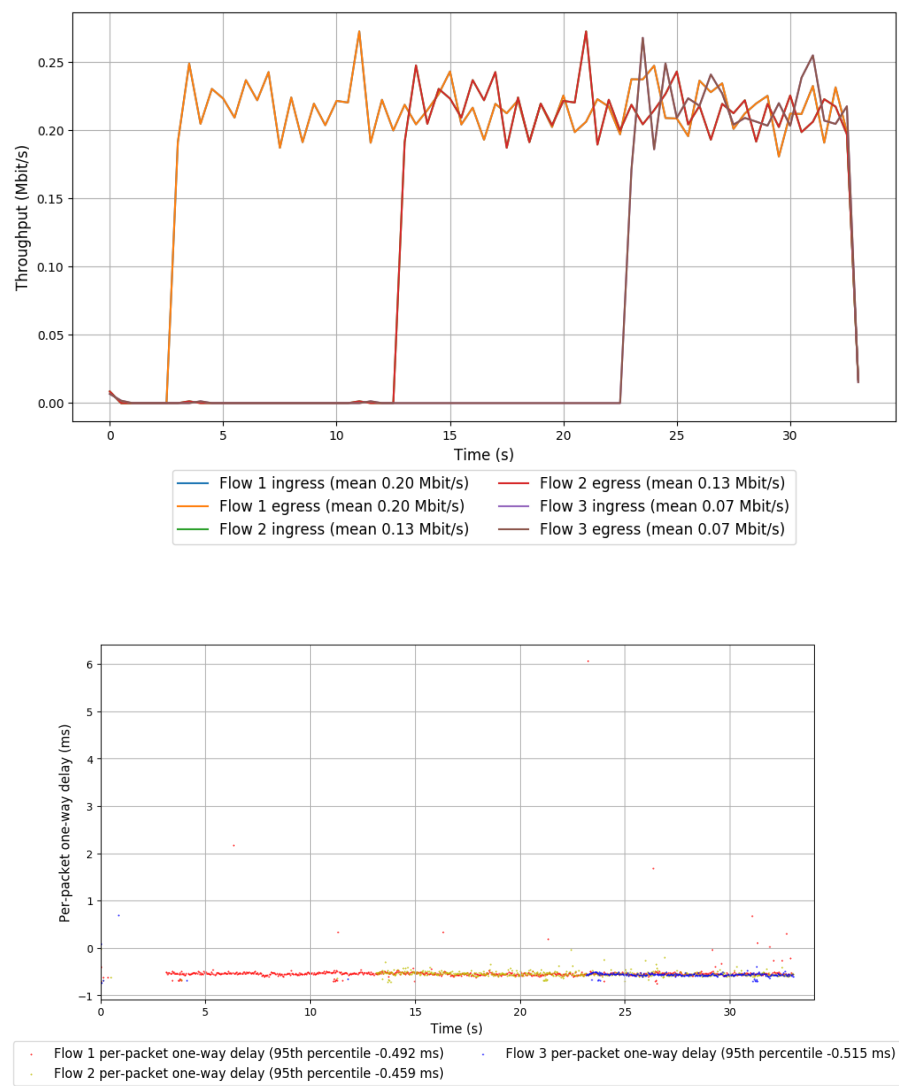
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -0.515 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 19:48:34 +0000

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

Local clock offset: -2.577 ms

Remote clock offset: 0.545 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -0.867 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.864 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -0.909 ms

Loss rate: 0.00%

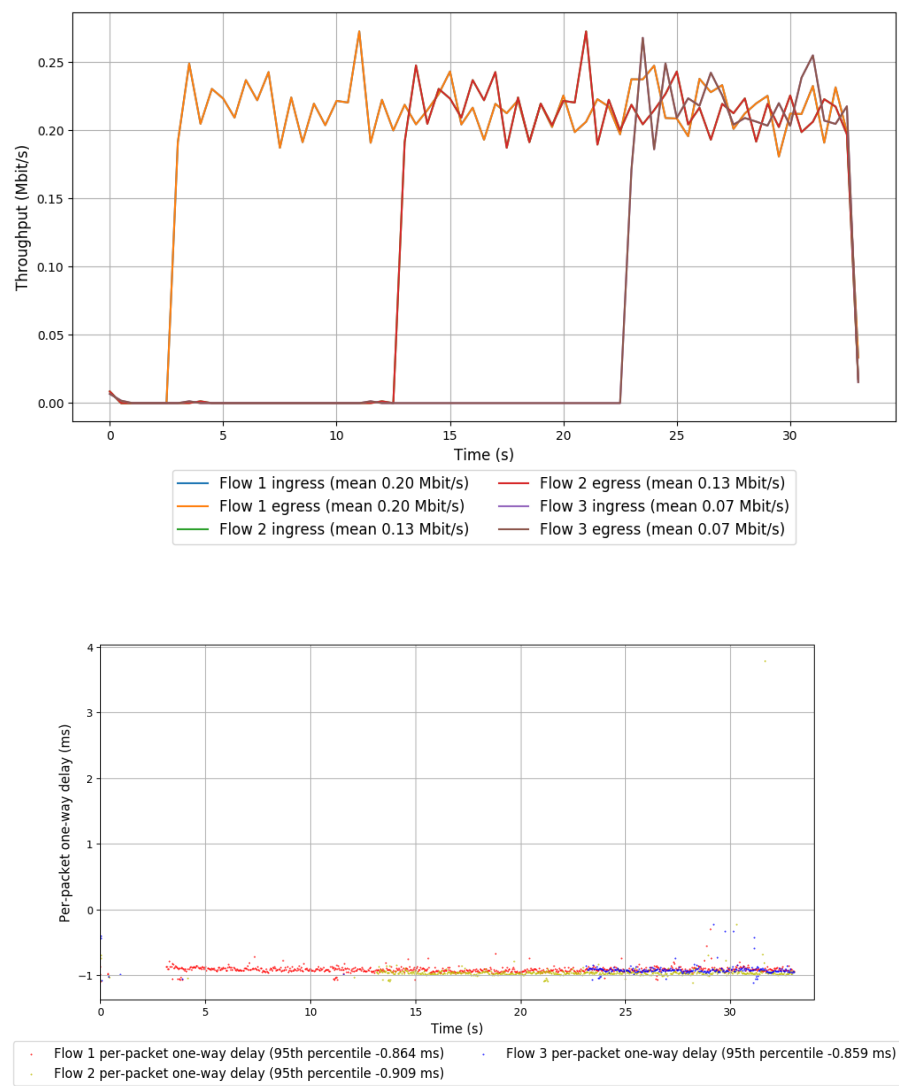
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -0.859 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 20:05:36 +0000

End at: Tue, 04 Jul 2017 20:06:06 +0000

Local clock offset: -2.905 ms

Remote clock offset: 0.865 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -1.628 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -1.635 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -1.662 ms

Loss rate: 0.00%

-- Flow 3:

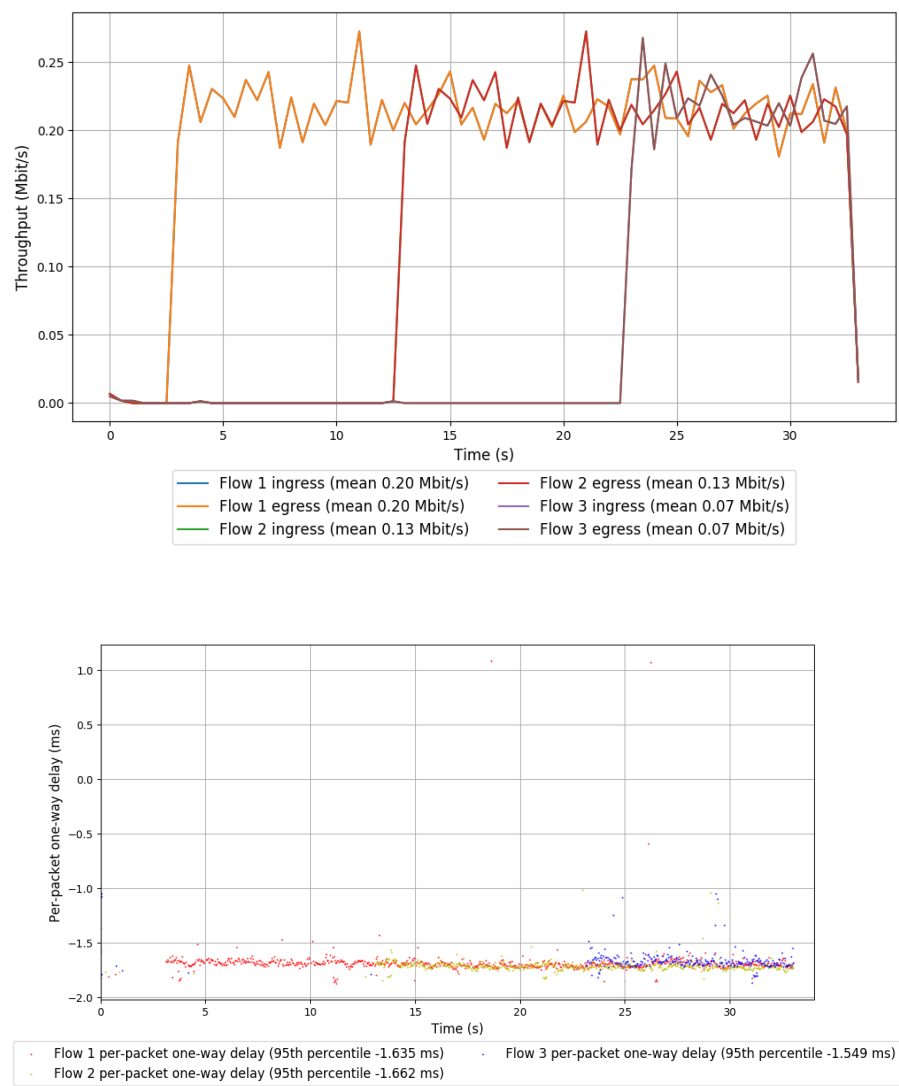
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -1.549 ms

Loss rate: 0.00%



Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 20:22:39 +0000

End at: Tue, 04 Jul 2017 20:23:09 +0000

Local clock offset: -3.274 ms

Remote clock offset: 0.898 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -1.802 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -1.633 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -1.939 ms

Loss rate: 0.00%

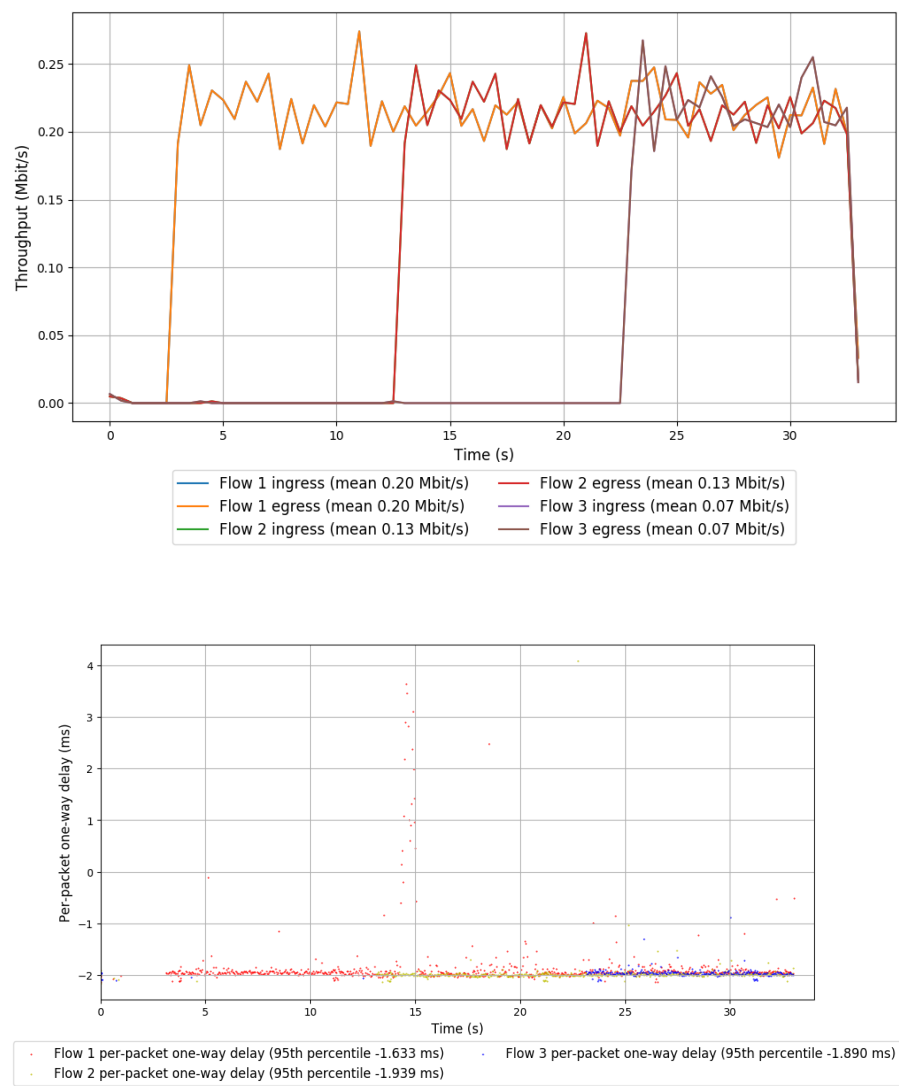
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -1.890 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 20:39:45 +0000

End at: Tue, 04 Jul 2017 20:40:15 +0000

Local clock offset: -2.795 ms

Remote clock offset: 0.299 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -0.911 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.902 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -0.944 ms

Loss rate: 0.00%

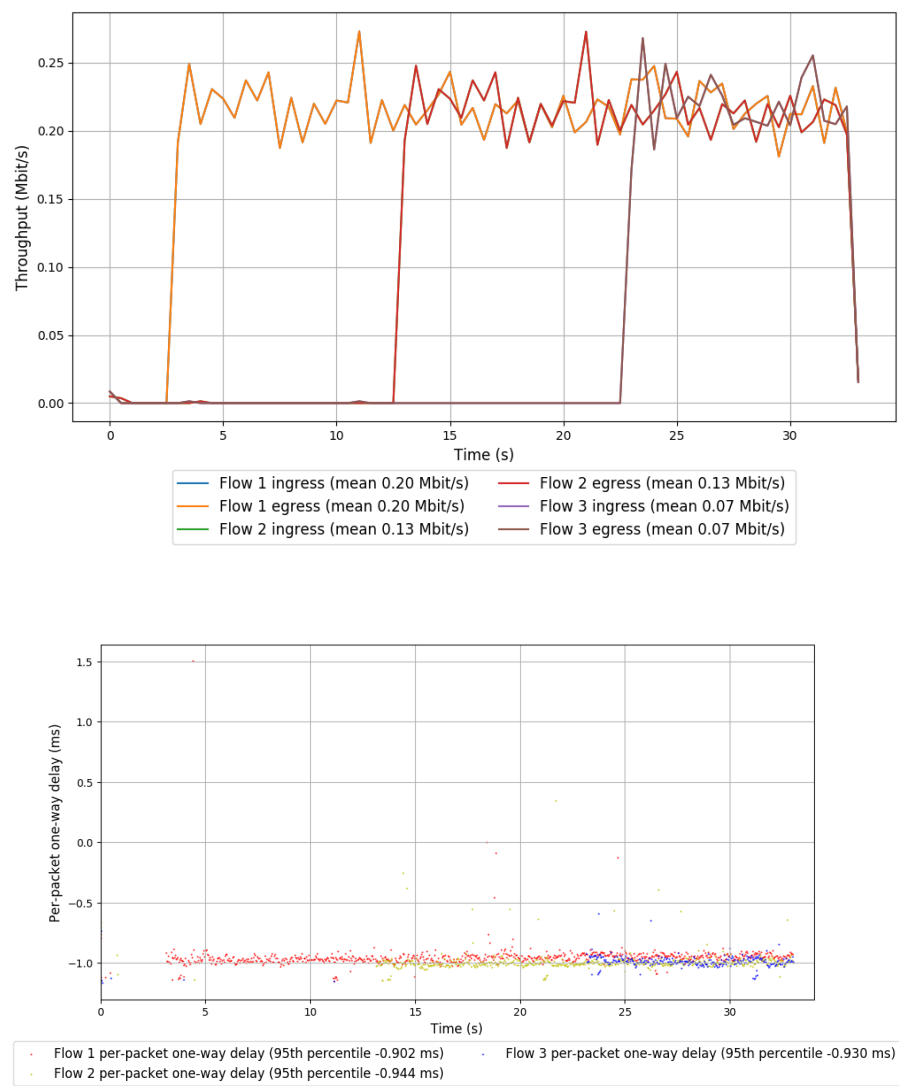
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -0.930 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 20:56:44 +0000

End at: Tue, 04 Jul 2017 20:57:14 +0000

Local clock offset: -2.254 ms

Remote clock offset: -0.447 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 0.449 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.448 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 0.462 ms

Loss rate: 0.00%

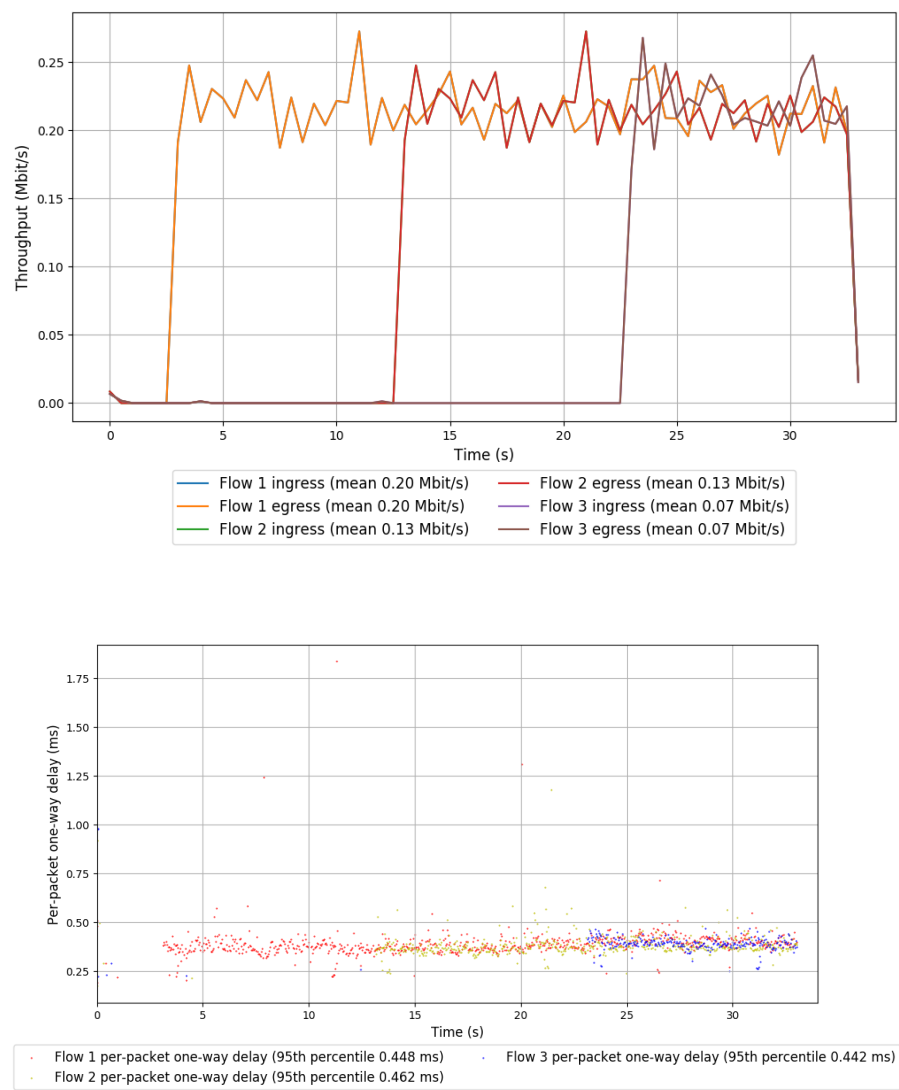
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 0.442 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Tue, 04 Jul 2017 21:13:47 +0000

End at: Tue, 04 Jul 2017 21:14:17 +0000

Local clock offset: -1.858 ms

Remote clock offset: -1.47 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 10.520 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 1.853 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 12.415 ms

Loss rate: 0.00%

-- Flow 3:

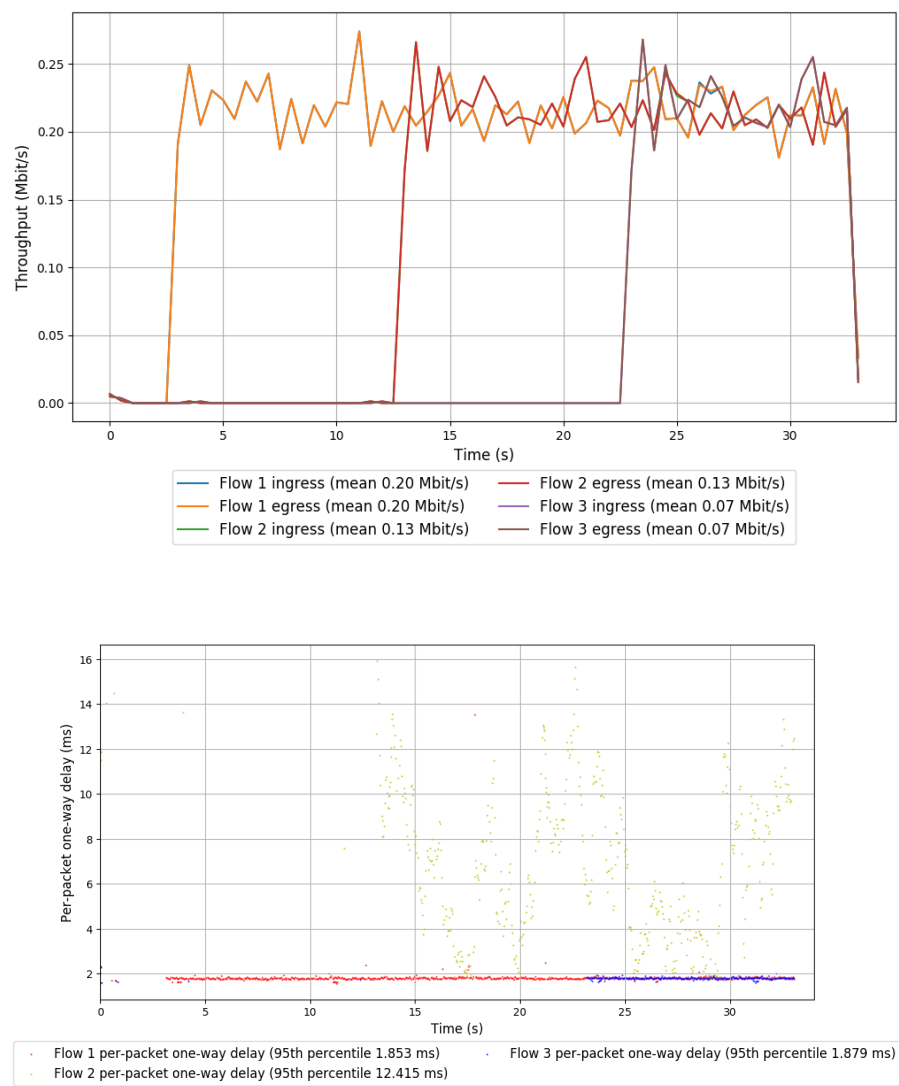
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 1.879 ms

Loss rate: 0.00%



Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Tue, 04 Jul 2017 18:44:08 +0000

End at: Tue, 04 Jul 2017 18:44:38 +0000

Local clock offset: -2.271 ms

Remote clock offset: 0.186 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:57 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.67 Mbit/s

95th percentile per-packet one-way delay: 19.574 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.15 Mbit/s

95th percentile per-packet one-way delay: 18.094 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.35 Mbit/s

95th percentile per-packet one-way delay: 19.335 ms

Loss rate: 0.00%

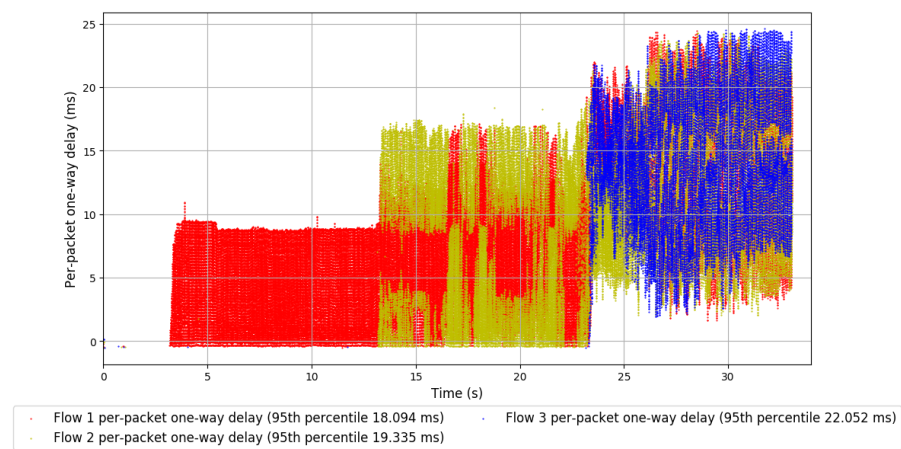
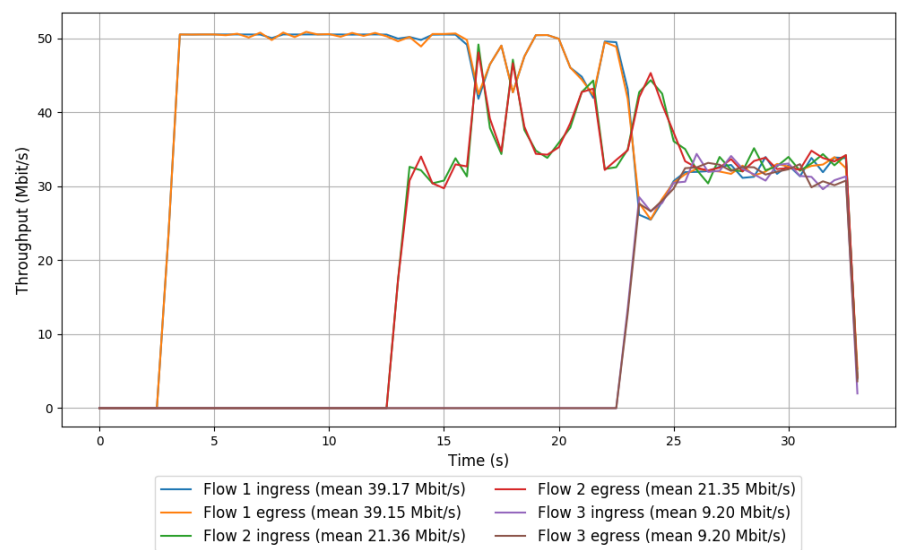
-- Flow 3:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 22.052 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:01:11 +0000

End at: Tue, 04 Jul 2017 19:01:41 +0000

Local clock offset: -2.375 ms

Remote clock offset: 0.337 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:20:57 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 70.13 Mbit/s

95th percentile per-packet one-way delay: 19.495 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.87 Mbit/s

95th percentile per-packet one-way delay: 18.765 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.97 Mbit/s

95th percentile per-packet one-way delay: 18.948 ms

Loss rate: 0.00%

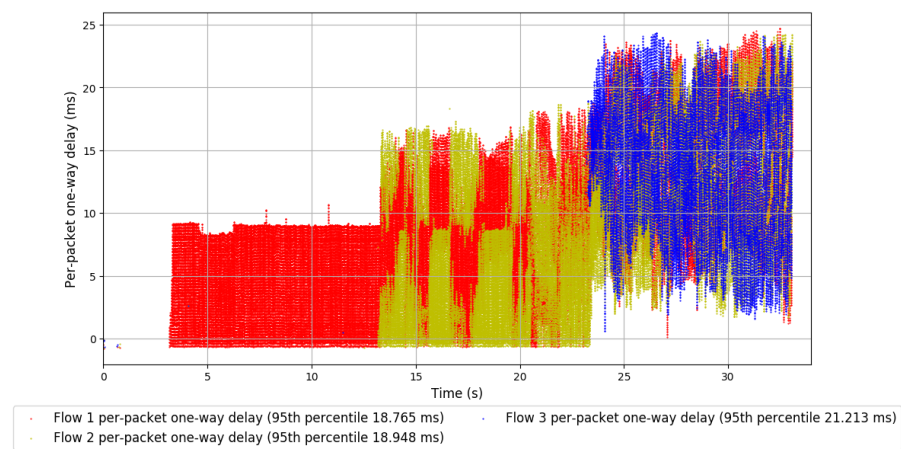
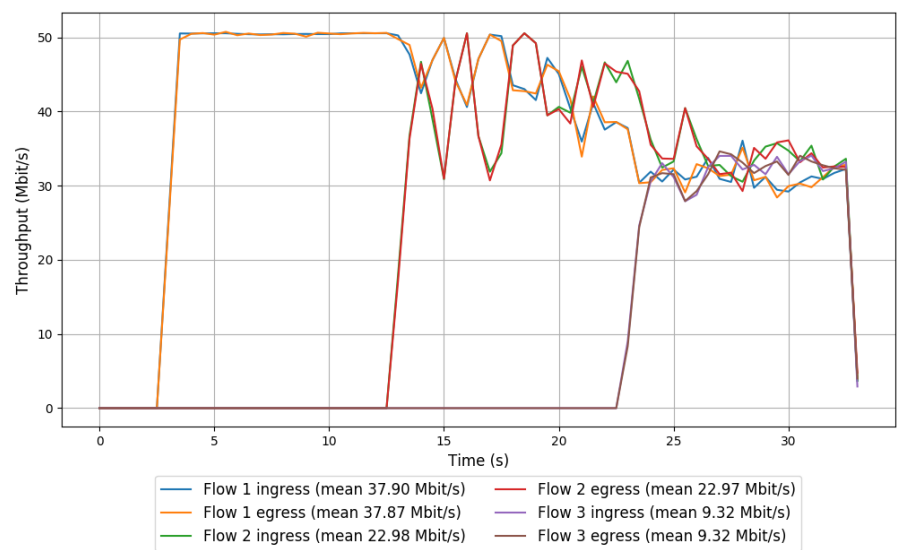
-- Flow 3:

Average throughput: 9.32 Mbit/s

95th percentile per-packet one-way delay: 21.213 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:18:58 +0000

End at: Tue, 04 Jul 2017 19:19:28 +0000

Local clock offset: -2.392 ms

Remote clock offset: 0.282 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:21:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.95 Mbit/s

95th percentile per-packet one-way delay: 18.687 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 37.55 Mbit/s

95th percentile per-packet one-way delay: 17.077 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 23.32 Mbit/s

95th percentile per-packet one-way delay: 19.504 ms

Loss rate: 0.00%

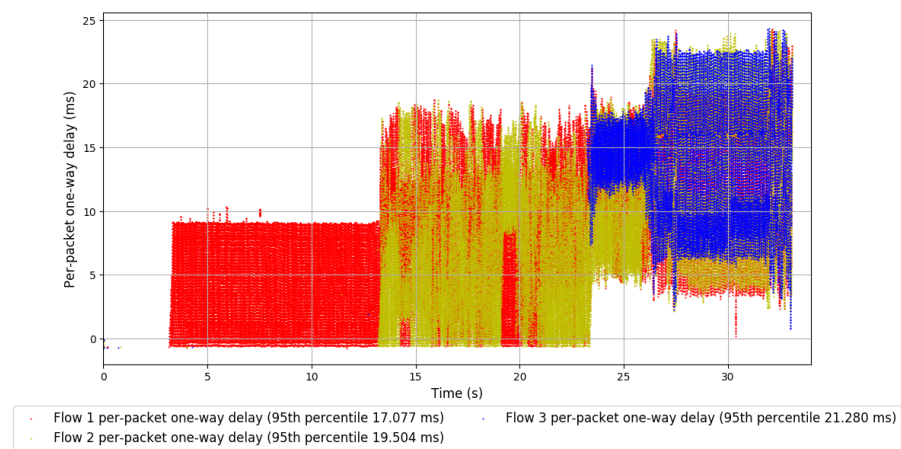
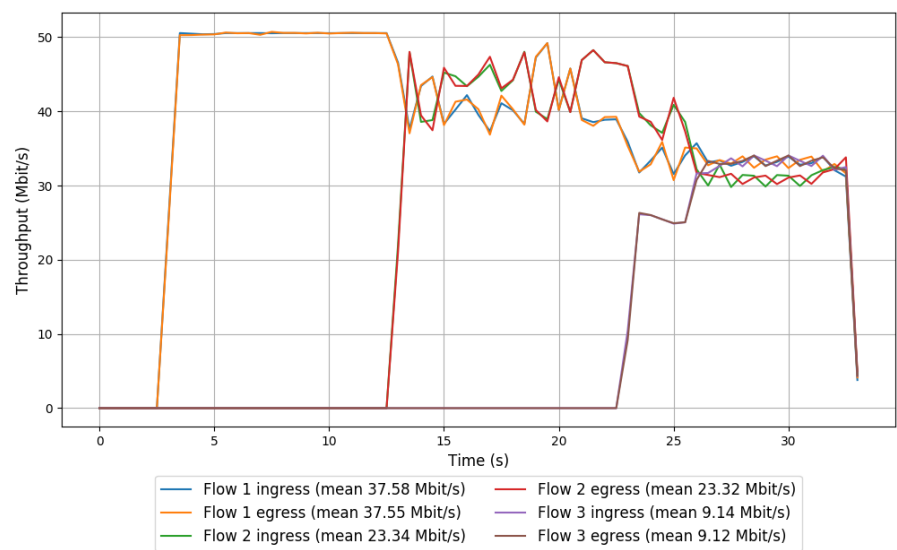
-- Flow 3:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 21.280 ms

Loss rate: 0.07%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:35:57 +0000

End at: Tue, 04 Jul 2017 19:36:27 +0000

Local clock offset: -2.466 ms

Remote clock offset: 0.347 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:21:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.87 Mbit/s

95th percentile per-packet one-way delay: 19.455 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.35 Mbit/s

95th percentile per-packet one-way delay: 19.026 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.87 Mbit/s

95th percentile per-packet one-way delay: 18.902 ms

Loss rate: 0.00%

-- Flow 3:

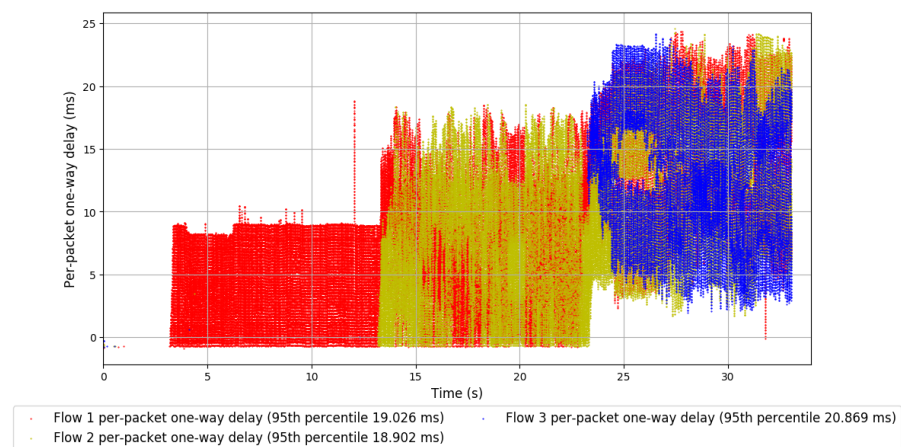
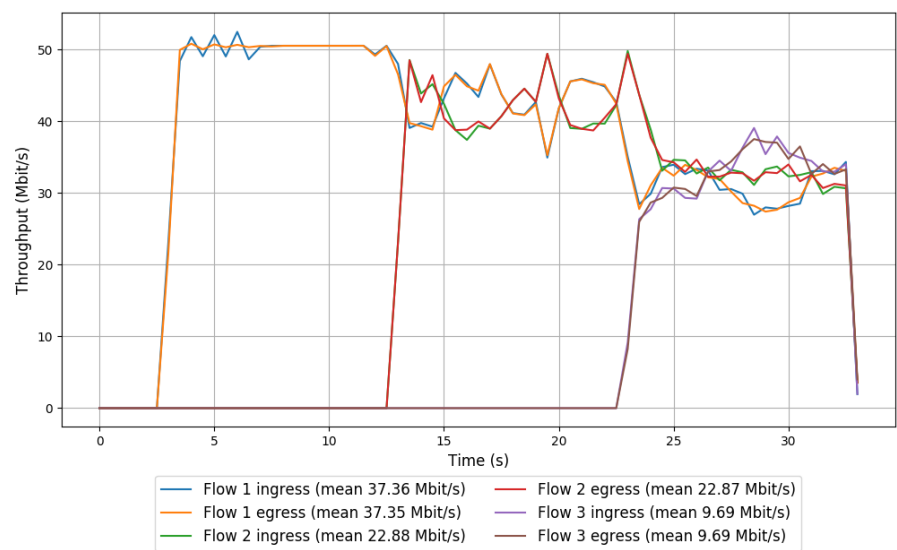
Average throughput: 9.69 Mbit/s

95th percentile per-packet one-way delay: 20.869 ms

Loss rate: 0.00%



Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:53:07 +0000

End at: Tue, 04 Jul 2017 19:53:37 +0000

Local clock offset: -2.482 ms

Remote clock offset: 0.605 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:21:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 70.42 Mbit/s

95th percentile per-packet one-way delay: 19.137 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 38.49 Mbit/s

95th percentile per-packet one-way delay: 17.329 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 22.19 Mbit/s

95th percentile per-packet one-way delay: 19.922 ms

Loss rate: 0.00%

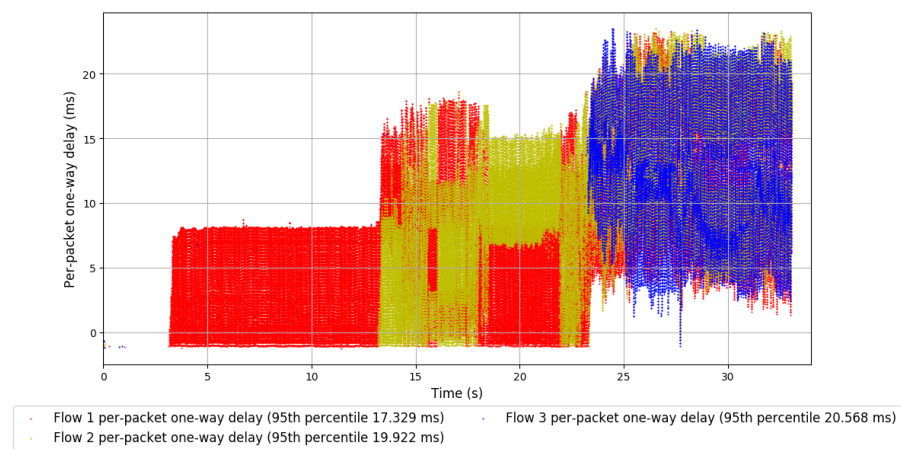
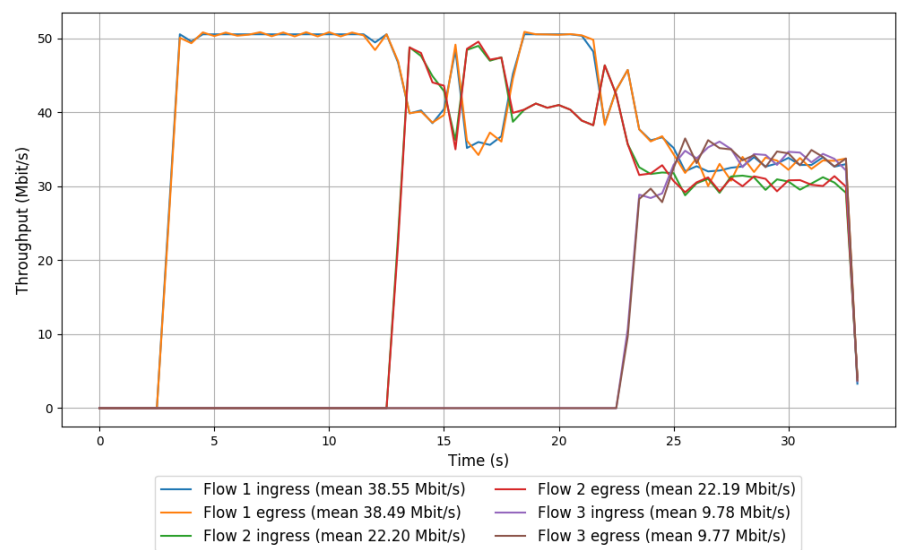
-- Flow 3:

Average throughput: 9.77 Mbit/s

95th percentile per-packet one-way delay: 20.568 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Tue, 04 Jul 2017 20:10:08 +0000

End at: Tue, 04 Jul 2017 20:10:38 +0000

Local clock offset: -3.21 ms

Remote clock offset: 0.884 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:21:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.82 Mbit/s

95th percentile per-packet one-way delay: 17.892 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 36.52 Mbit/s

95th percentile per-packet one-way delay: 17.316 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 23.45 Mbit/s

95th percentile per-packet one-way delay: 17.658 ms

Loss rate: 0.10%

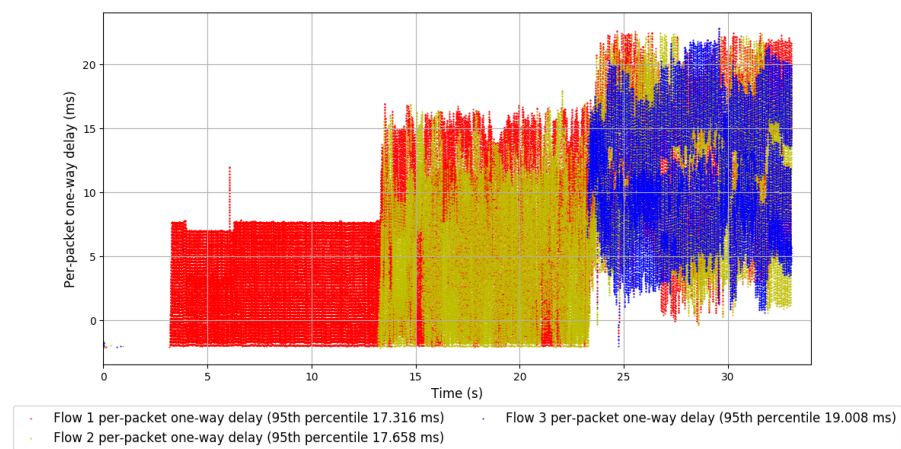
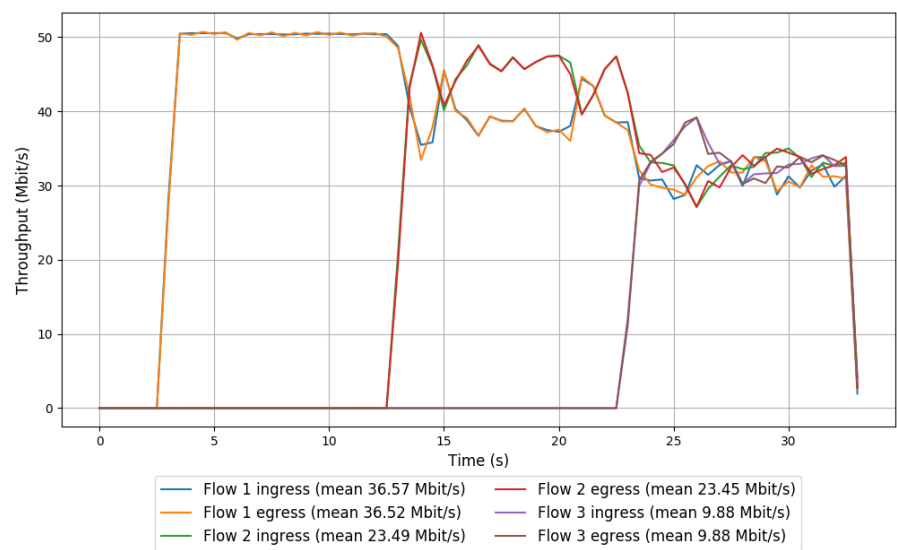
-- Flow 3:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 19.008 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Tue, 04 Jul 2017 20:27:11 +0000

End at: Tue, 04 Jul 2017 20:27:41 +0000

Local clock offset: -3.237 ms

Remote clock offset: 0.833 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:21:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.54 Mbit/s

95th percentile per-packet one-way delay: 17.798 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.84 Mbit/s

95th percentile per-packet one-way delay: 17.577 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.58 Mbit/s

95th percentile per-packet one-way delay: 16.584 ms

Loss rate: 0.00%

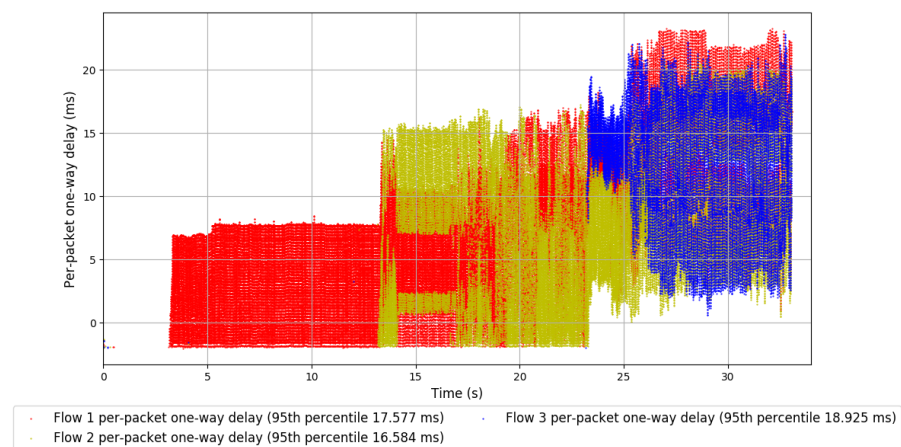
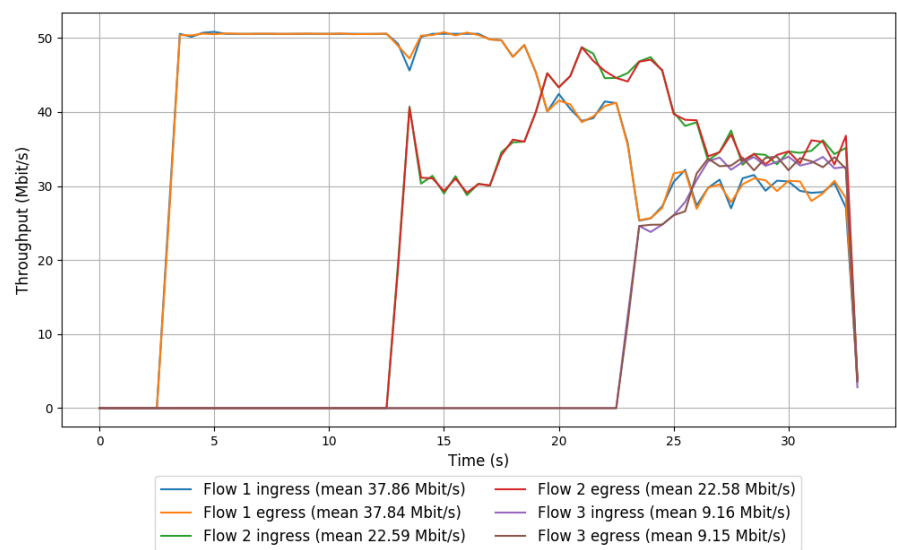
-- Flow 3:

Average throughput: 9.15 Mbit/s

95th percentile per-packet one-way delay: 18.925 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Tue, 04 Jul 2017 20:44:17 +0000

End at: Tue, 04 Jul 2017 20:44:47 +0000

Local clock offset: -2.639 ms

Remote clock offset: 0.145 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:21:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.67 Mbit/s

95th percentile per-packet one-way delay: 18.919 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.40 Mbit/s

95th percentile per-packet one-way delay: 17.923 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.04 Mbit/s

95th percentile per-packet one-way delay: 18.919 ms

Loss rate: 0.00%

-- Flow 3:

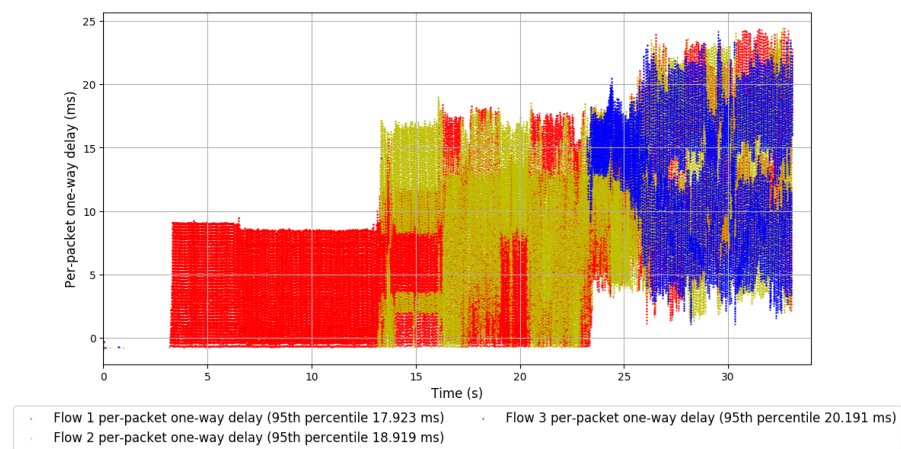
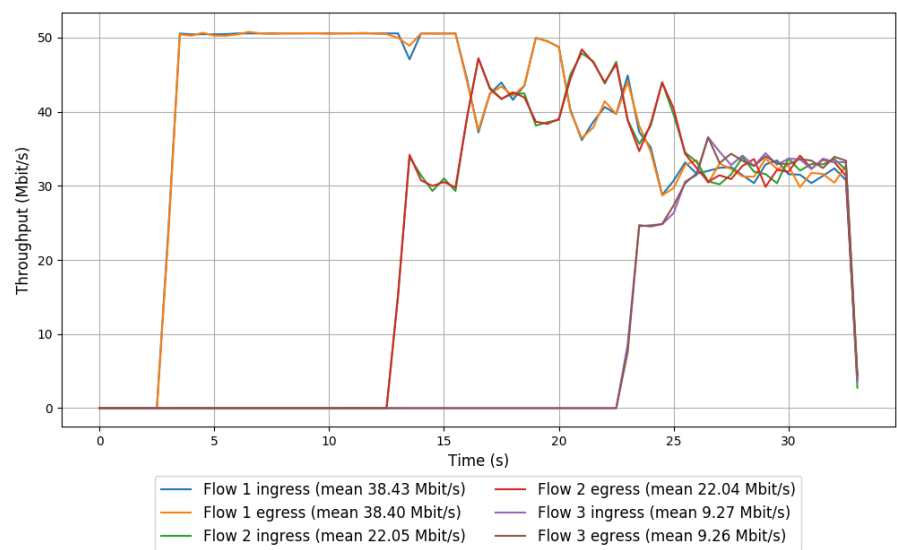
Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 20.191 ms

Loss rate: 0.00%



Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Tue, 04 Jul 2017 21:01:14 +0000

End at: Tue, 04 Jul 2017 21:01:44 +0000

Local clock offset: -2.126 ms

Remote clock offset: -0.666 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:21:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 71.28 Mbit/s

95th percentile per-packet one-way delay: 20.902 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.19 Mbit/s

95th percentile per-packet one-way delay: 20.827 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.30 Mbit/s

95th percentile per-packet one-way delay: 19.976 ms

Loss rate: 0.00%

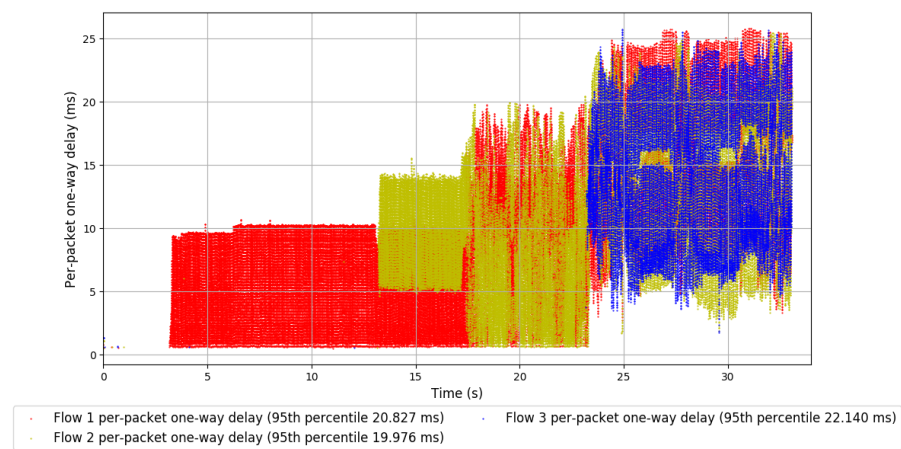
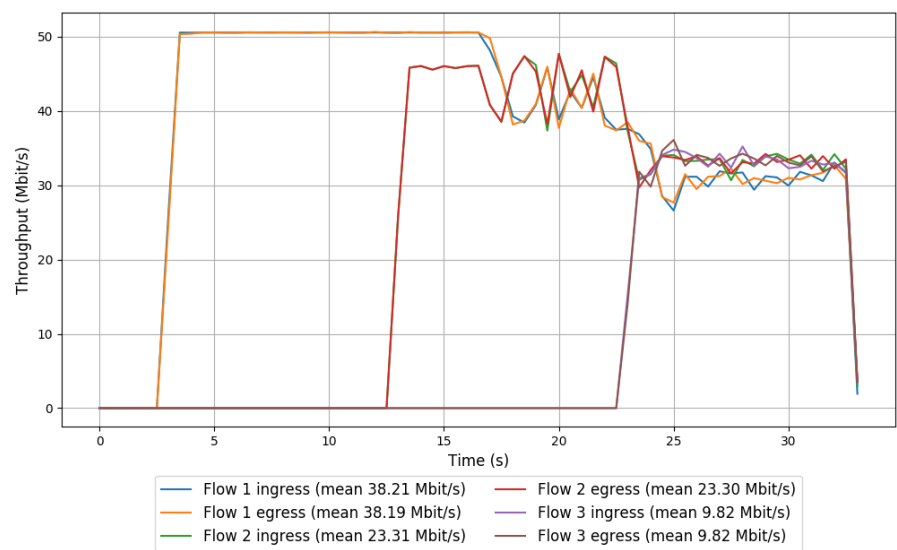
-- Flow 3:

Average throughput: 9.82 Mbit/s

95th percentile per-packet one-way delay: 22.140 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

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

End at: Tue, 04 Jul 2017 21:18:48 +0000

Local clock offset: -1.72 ms

Remote clock offset: -1.601 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:21:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 70.04 Mbit/s

95th percentile per-packet one-way delay: 21.323 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.27 Mbit/s

95th percentile per-packet one-way delay: 19.852 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.71 Mbit/s

95th percentile per-packet one-way delay: 21.586 ms

Loss rate: 0.00%

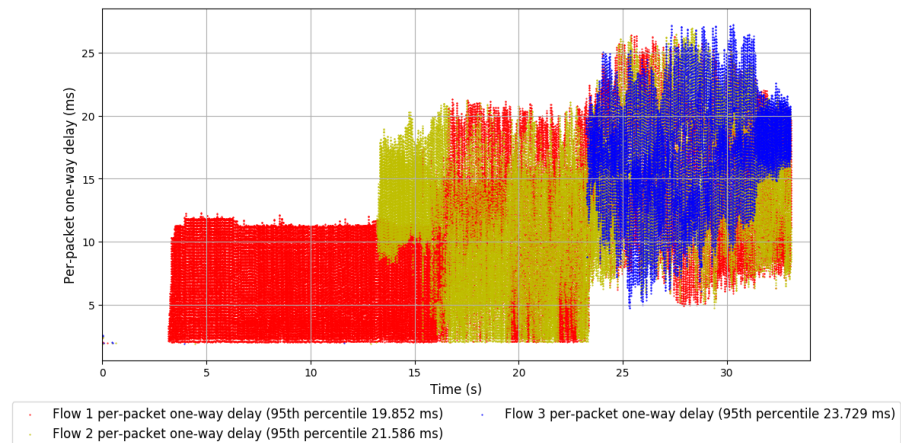
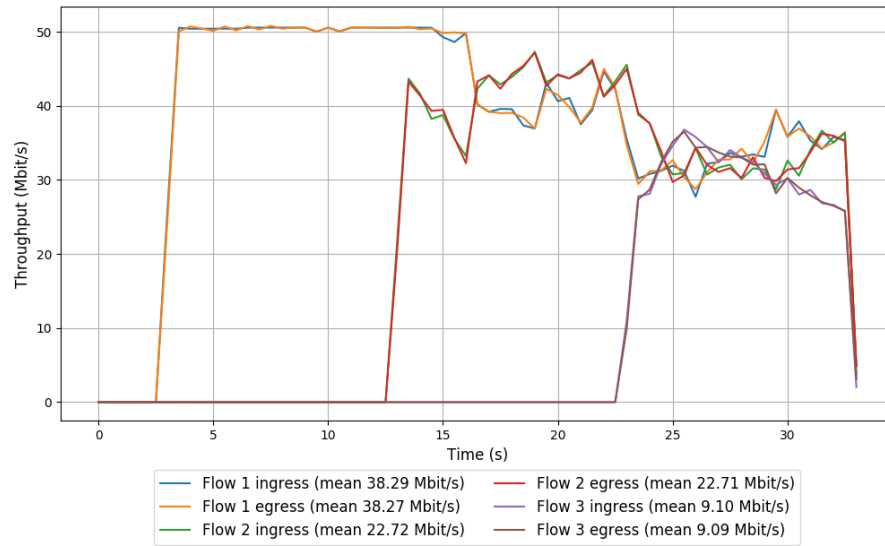
-- Flow 3:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 23.729 ms

Loss rate: 0.00%

# Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

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

End at: Tue, 04 Jul 2017 18:41:10 +0000

Local clock offset: -2.134 ms

Remote clock offset: 0.137 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:22:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.26 Mbit/s

95th percentile per-packet one-way delay: 27.356 ms

Loss rate: 3.21%

-- Flow 1:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 20.329 ms

Loss rate: 1.79%

-- Flow 2:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 29.057 ms

Loss rate: 3.68%

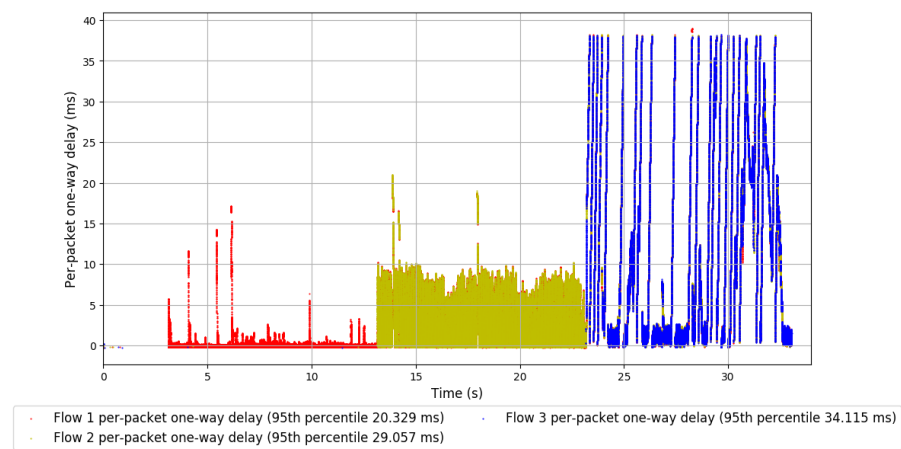
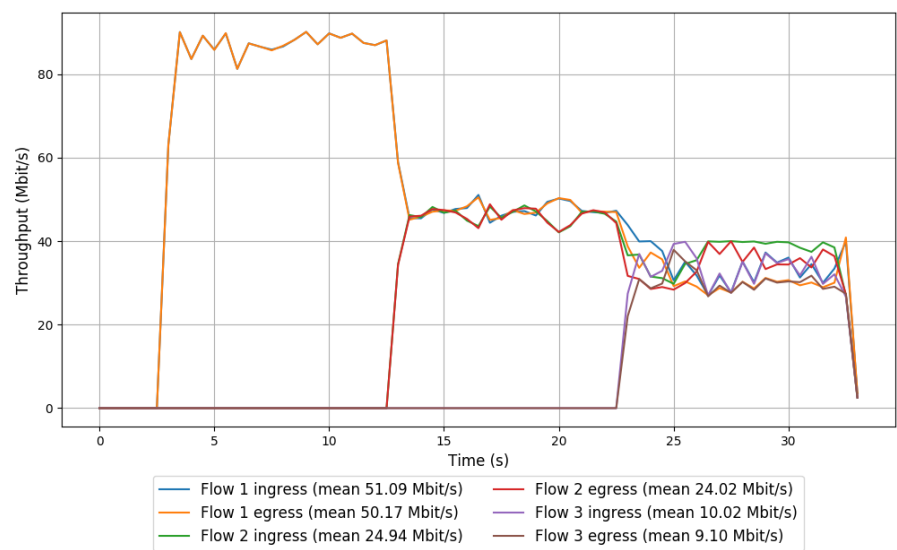
-- Flow 3:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 34.115 ms

Loss rate: 9.25%

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



Run 2: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 18:57:42 +0000

End at: Tue, 04 Jul 2017 18:58:12 +0000

Local clock offset: -2.419 ms

Remote clock offset: 0.303 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:22:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.67 Mbit/s

95th percentile per-packet one-way delay: 25.863 ms

Loss rate: 2.77%

-- Flow 1:

Average throughput: 51.34 Mbit/s

95th percentile per-packet one-way delay: 16.379 ms

Loss rate: 1.56%

-- Flow 2:

Average throughput: 23.05 Mbit/s

95th percentile per-packet one-way delay: 27.486 ms

Loss rate: 3.33%

-- Flow 3:

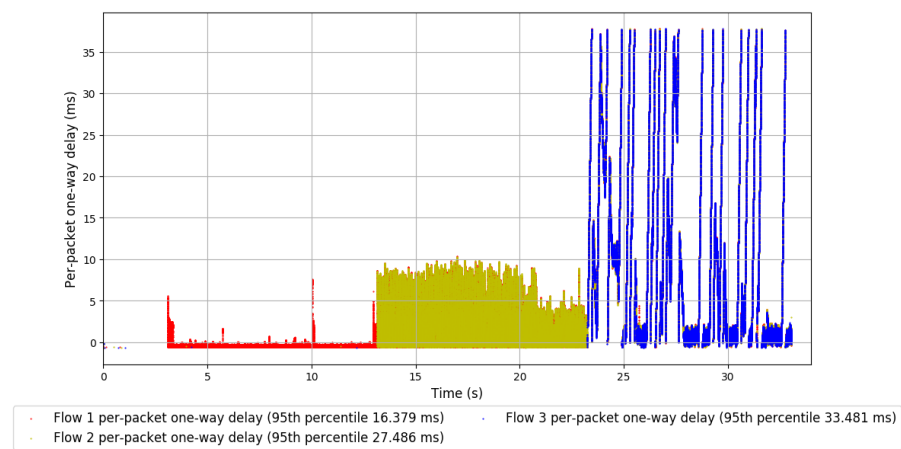
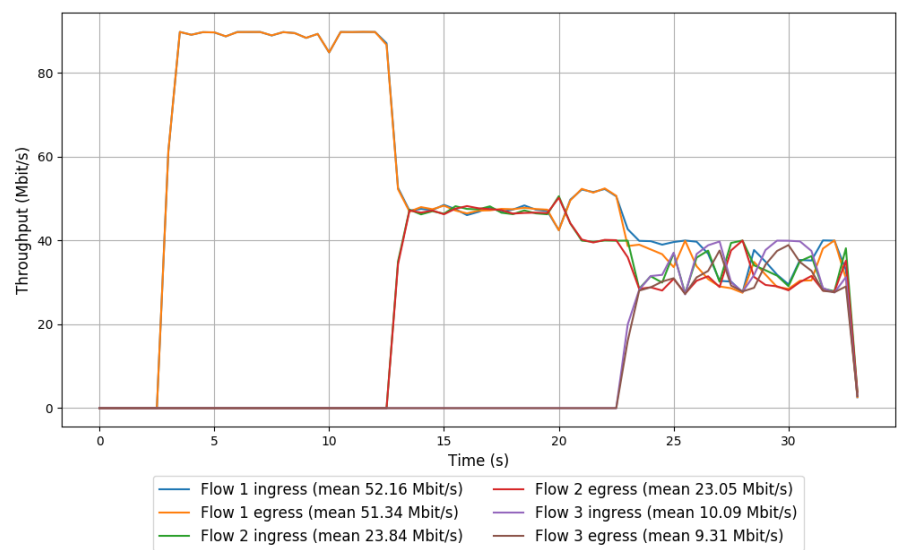
Average throughput: 9.31 Mbit/s

95th percentile per-packet one-way delay: 33.481 ms

Loss rate: 7.72%



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



Run 3: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 19:14:47 +0000

End at: Tue, 04 Jul 2017 19:15:17 +0000

Local clock offset: -2.416 ms

Remote clock offset: 0.322 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:22:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 73.94 Mbit/s

95th percentile per-packet one-way delay: 4.249 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.56 Mbit/s

95th percentile per-packet one-way delay: 3.730 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 7.577 ms

Loss rate: 0.00%

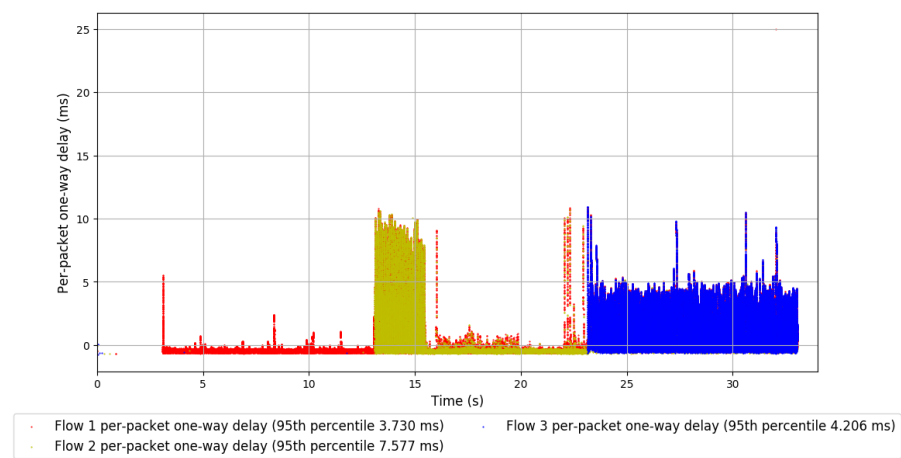
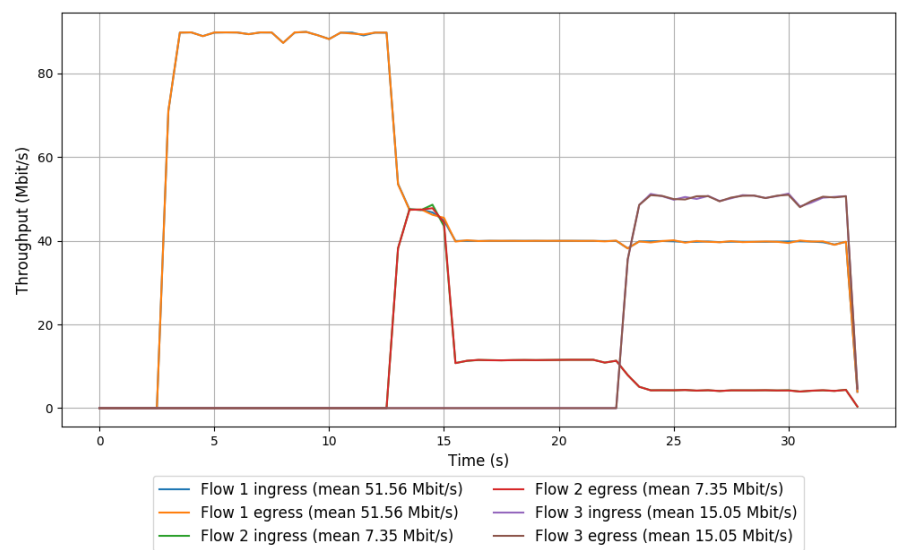
-- Flow 3:

Average throughput: 15.05 Mbit/s

95th percentile per-packet one-way delay: 4.206 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 19:32:29 +0000

End at: Tue, 04 Jul 2017 19:32:59 +0000

Local clock offset: -2.439 ms

Remote clock offset: 0.263 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:22:29 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 81.61 Mbit/s

95th percentile per-packet one-way delay: 7.930 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 43.77 Mbit/s

95th percentile per-packet one-way delay: 7.231 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 26.36 Mbit/s

95th percentile per-packet one-way delay: 8.232 ms

Loss rate: 1.03%

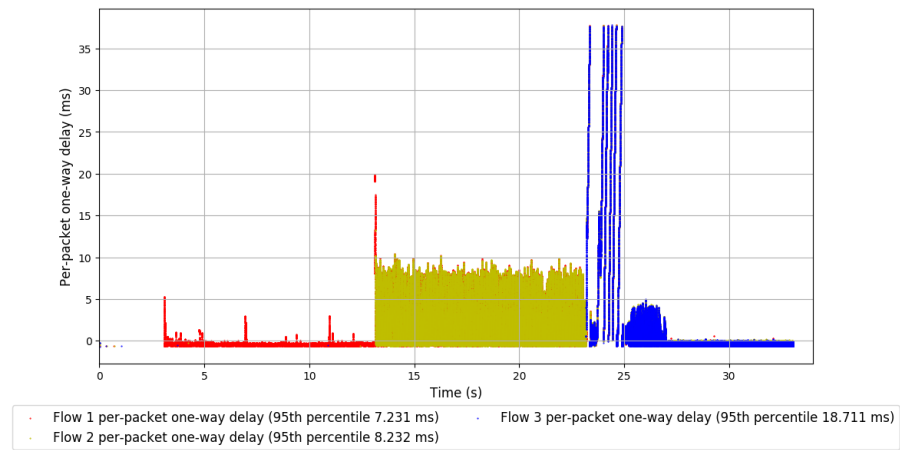
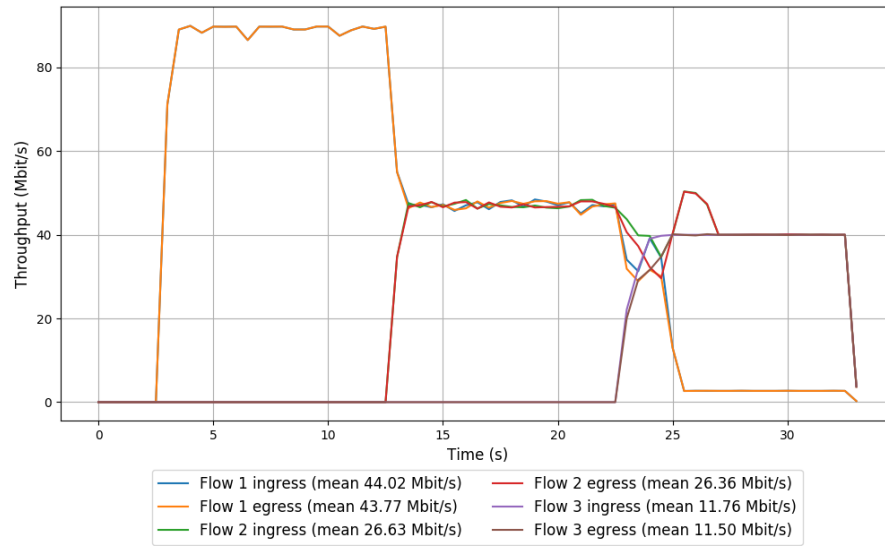
-- Flow 3:

Average throughput: 11.50 Mbit/s

95th percentile per-packet one-way delay: 18.711 ms

Loss rate: 2.20%

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



Run 5: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 19:49:38 +0000

End at: Tue, 04 Jul 2017 19:50:08 +0000

Local clock offset: -2.541 ms

Remote clock offset: 0.609 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:22:48 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.58 Mbit/s

95th percentile per-packet one-way delay: 18.675 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 51.21 Mbit/s

95th percentile per-packet one-way delay: 8.621 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 24.36 Mbit/s

95th percentile per-packet one-way delay: 21.350 ms

Loss rate: 1.61%

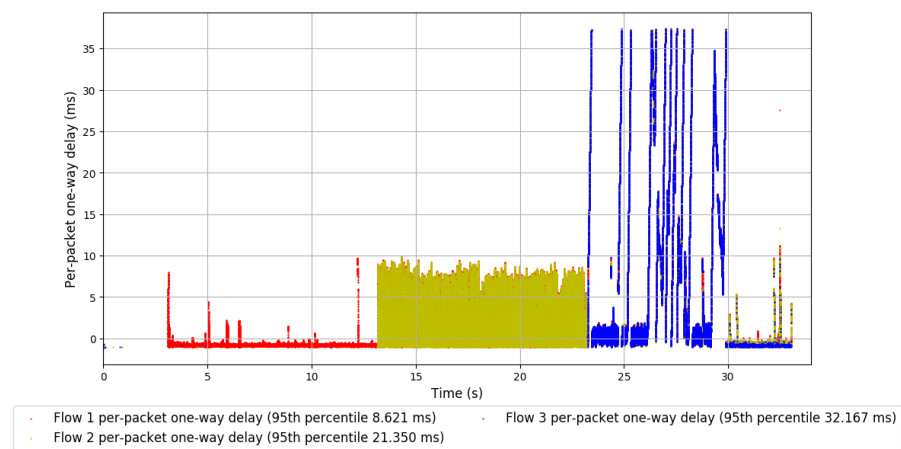
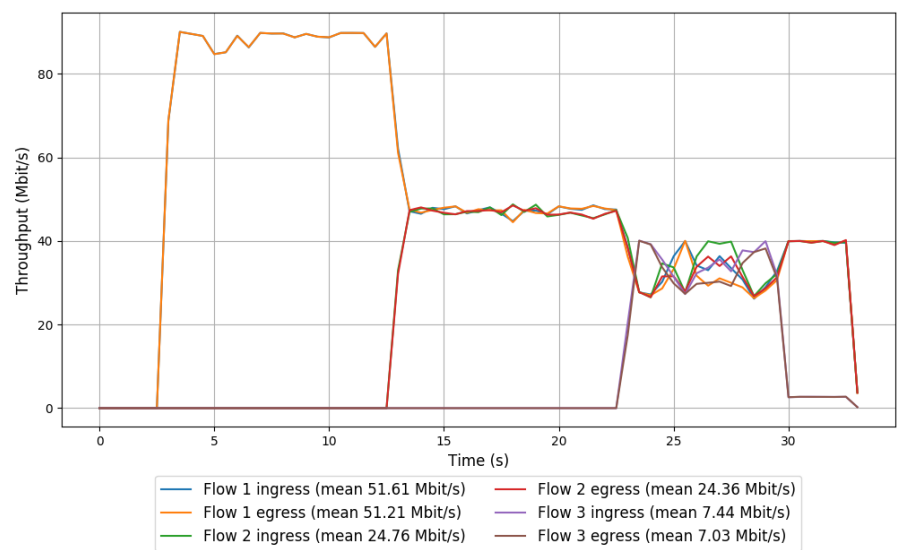
-- Flow 3:

Average throughput: 7.03 Mbit/s

95th percentile per-packet one-way delay: 32.167 ms

Loss rate: 5.47%

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



Run 6: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:06:40 +0000

End at: Tue, 04 Jul 2017 20:07:10 +0000

Local clock offset: -3.023 ms

Remote clock offset: 0.874 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:22:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.74 Mbit/s

95th percentile per-packet one-way delay: 24.234 ms

Loss rate: 2.93%

-- Flow 1:

Average throughput: 47.57 Mbit/s

95th percentile per-packet one-way delay: 19.736 ms

Loss rate: 1.63%

-- Flow 2:

Average throughput: 23.06 Mbit/s

95th percentile per-packet one-way delay: 25.451 ms

Loss rate: 3.46%

-- Flow 3:

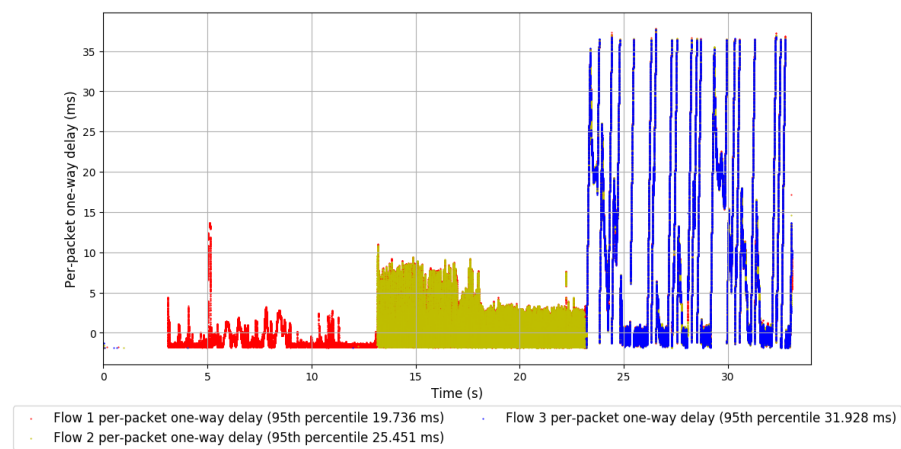
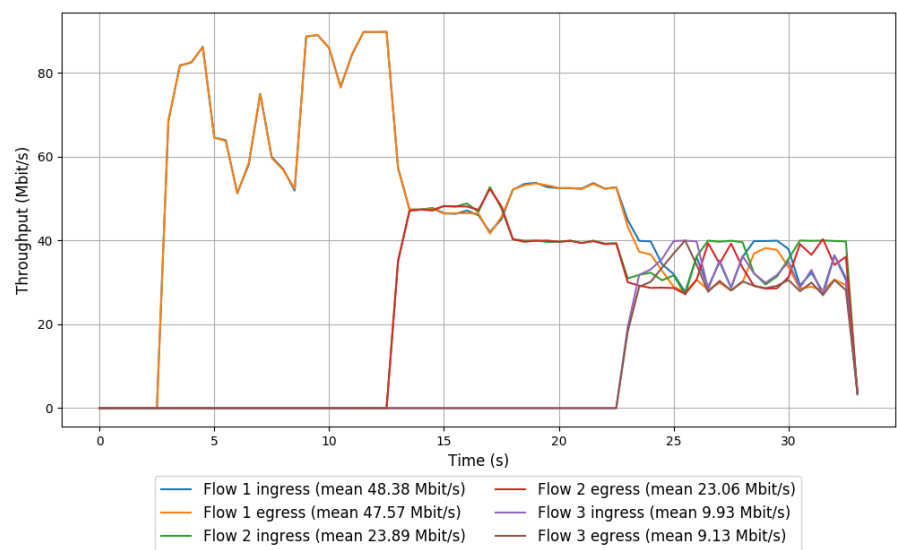
Average throughput: 9.13 Mbit/s

95th percentile per-packet one-way delay: 31.928 ms

Loss rate: 8.01%



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



Run 7: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:23:43 +0000

End at: Tue, 04 Jul 2017 20:24:13 +0000

Local clock offset: -3.329 ms

Remote clock offset: 0.899 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:23:12 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 83.47 Mbit/s

95th percentile per-packet one-way delay: 7.089 ms

Loss rate: 1.06%

-- Flow 1:

Average throughput: 53.14 Mbit/s

95th percentile per-packet one-way delay: 5.613 ms

Loss rate: 0.59%

-- Flow 2:

Average throughput: 26.98 Mbit/s

95th percentile per-packet one-way delay: 7.339 ms

Loss rate: 1.05%

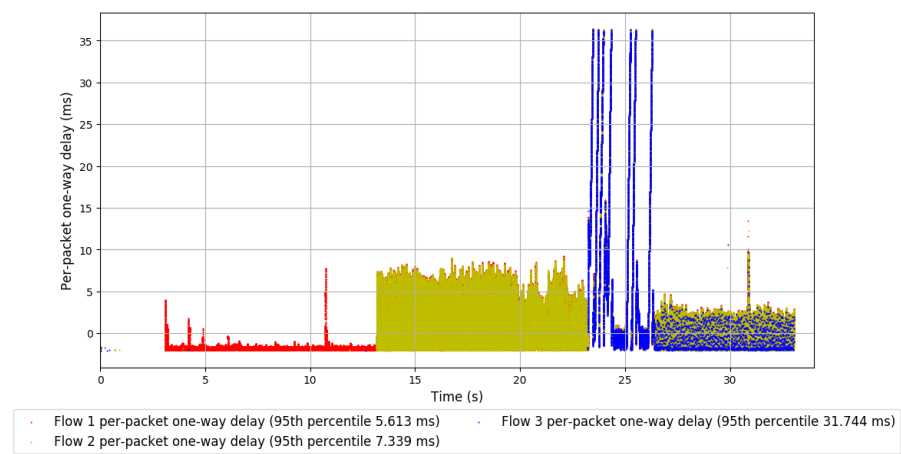
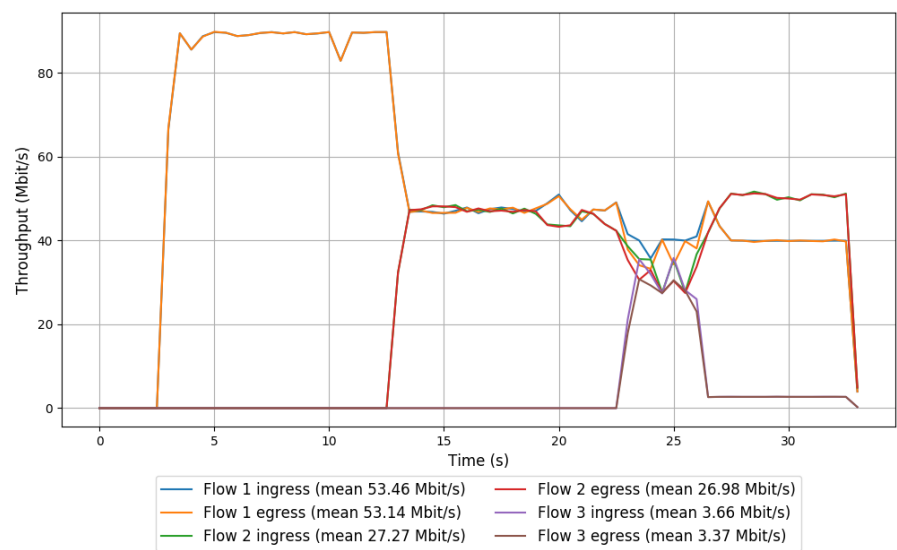
-- Flow 3:

Average throughput: 3.37 Mbit/s

95th percentile per-packet one-way delay: 31.744 ms

Loss rate: 7.89%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:40:49 +0000

End at: Tue, 04 Jul 2017 20:41:19 +0000

Local clock offset: -2.778 ms

Remote clock offset: 0.372 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:23:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 82.68 Mbit/s

95th percentile per-packet one-way delay: 20.413 ms

Loss rate: 1.91%

-- Flow 1:

Average throughput: 44.40 Mbit/s

95th percentile per-packet one-way delay: 14.475 ms

Loss rate: 1.20%

-- Flow 2:

Average throughput: 26.54 Mbit/s

95th percentile per-packet one-way delay: 20.600 ms

Loss rate: 1.95%

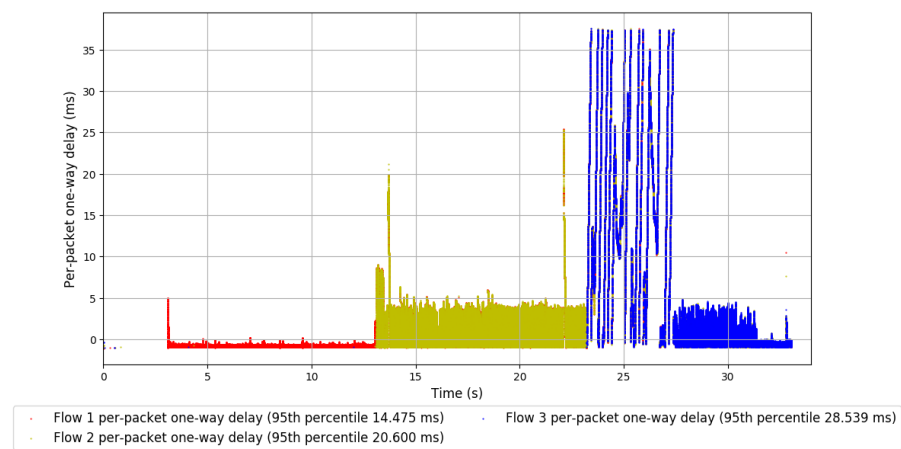
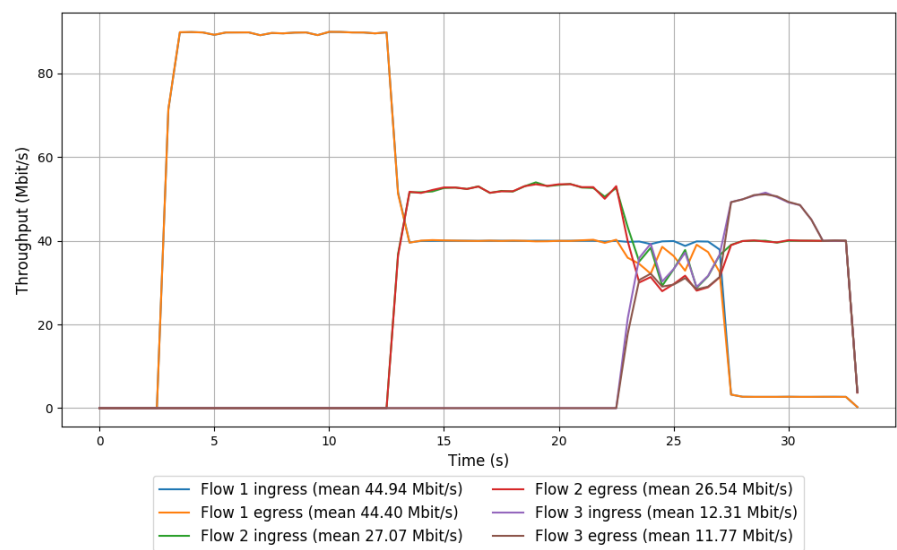
-- Flow 3:

Average throughput: 11.77 Mbit/s

95th percentile per-packet one-way delay: 28.539 ms

Loss rate: 4.39%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:57:47 +0000

End at: Tue, 04 Jul 2017 20:58:17 +0000

Local clock offset: -2.212 ms

Remote clock offset: -0.557 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:23:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.32 Mbit/s

95th percentile per-packet one-way delay: 11.186 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 33.36 Mbit/s

95th percentile per-packet one-way delay: 11.340 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 24.44 Mbit/s

95th percentile per-packet one-way delay: 7.744 ms

Loss rate: 0.63%

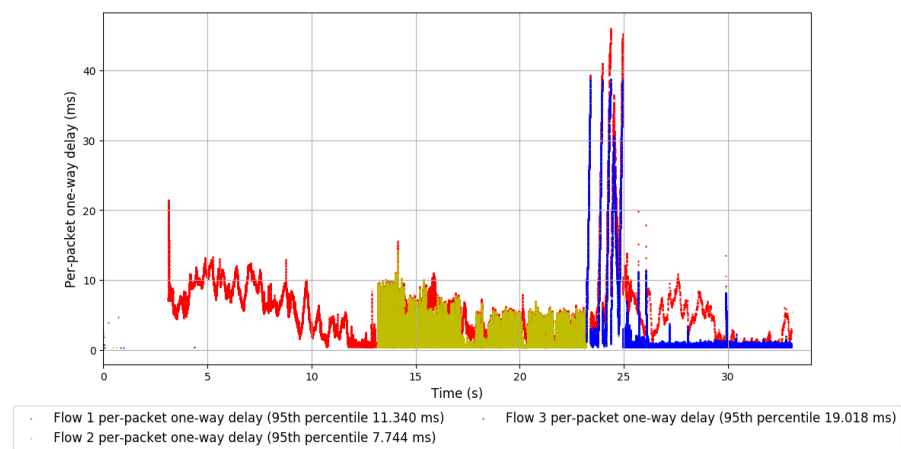
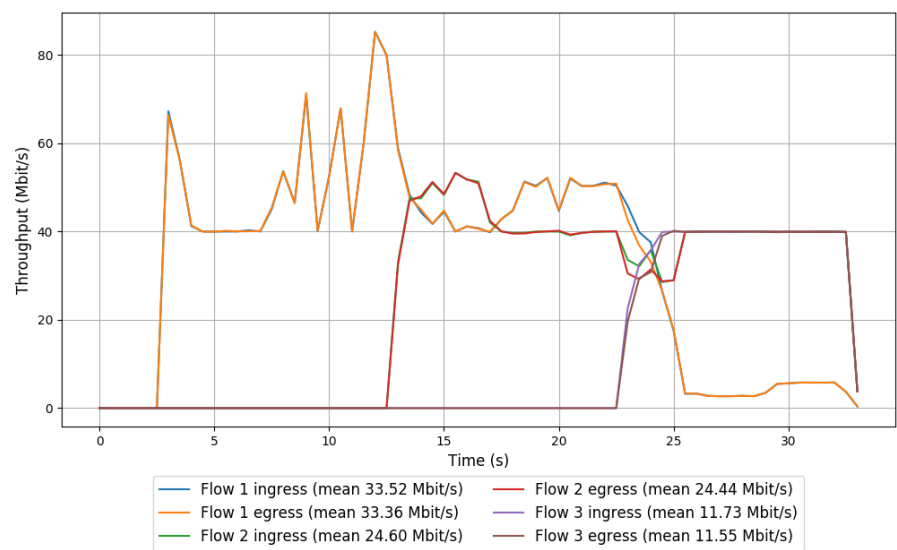
-- Flow 3:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 19.018 ms

Loss rate: 1.53%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 21:14:51 +0000

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

Local clock offset: -1.776 ms

Remote clock offset: -1.504 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:23:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 76.41 Mbit/s

95th percentile per-packet one-way delay: 5.860 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 27.12 Mbit/s

95th percentile per-packet one-way delay: 2.447 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.19 Mbit/s

95th percentile per-packet one-way delay: 5.877 ms

Loss rate: 0.00%

-- Flow 3:

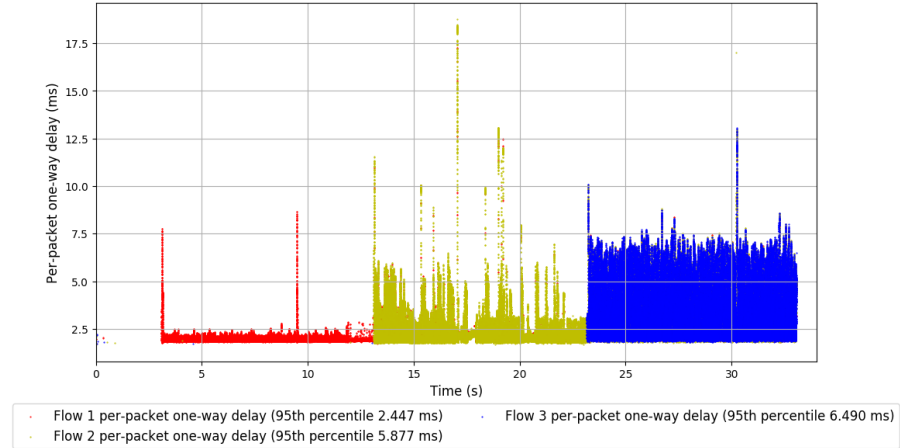
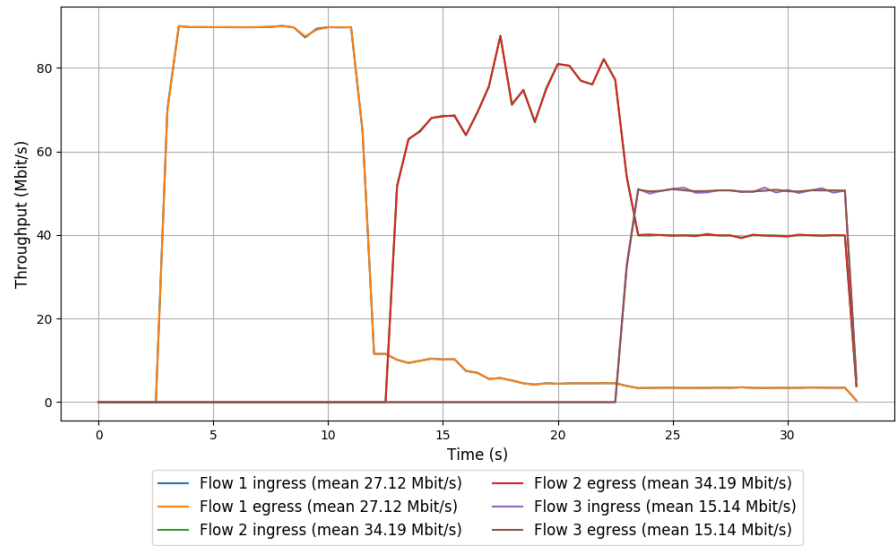
Average throughput: 15.14 Mbit/s

95th percentile per-packet one-way delay: 6.490 ms

Loss rate: 0.00%



# Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

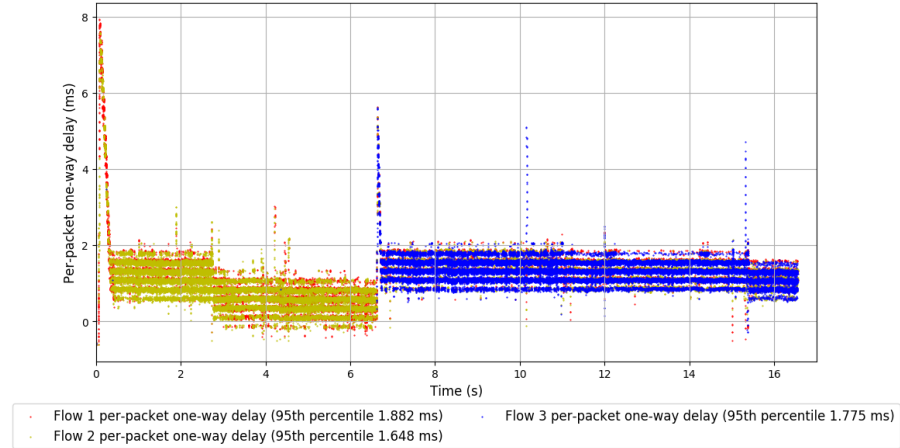
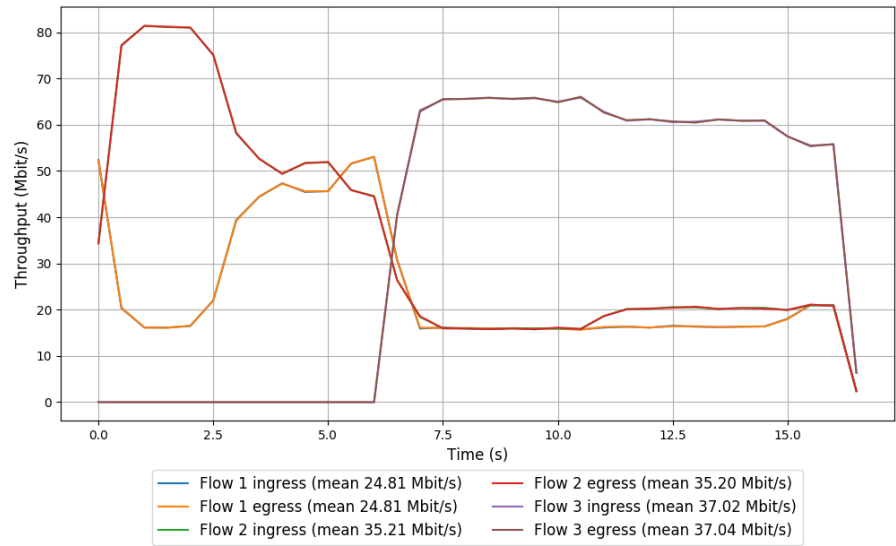
Start at: Tue, 04 Jul 2017 18:47:29 +0000

End at: Tue, 04 Jul 2017 18:47:59 +0000

Local clock offset: -2.329 ms

Remote clock offset: 0.299 ms

# Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

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

End at: Tue, 04 Jul 2017 19:05:02 +0000

Local clock offset: -2.333 ms

Remote clock offset: 0.344 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:23:50 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 86.66 Mbit/s

95th percentile per-packet one-way delay: 0.985 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 47.14 Mbit/s

95th percentile per-packet one-way delay: 1.016 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 28.91 Mbit/s

95th percentile per-packet one-way delay: 0.975 ms

Loss rate: 0.02%

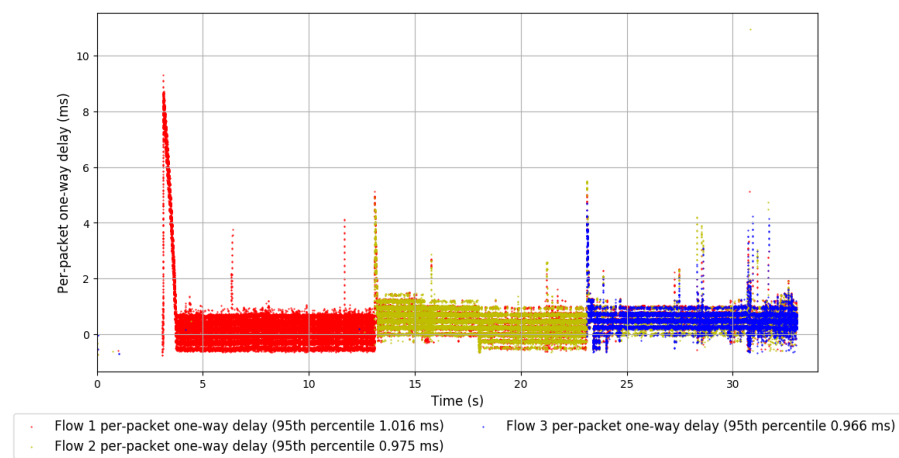
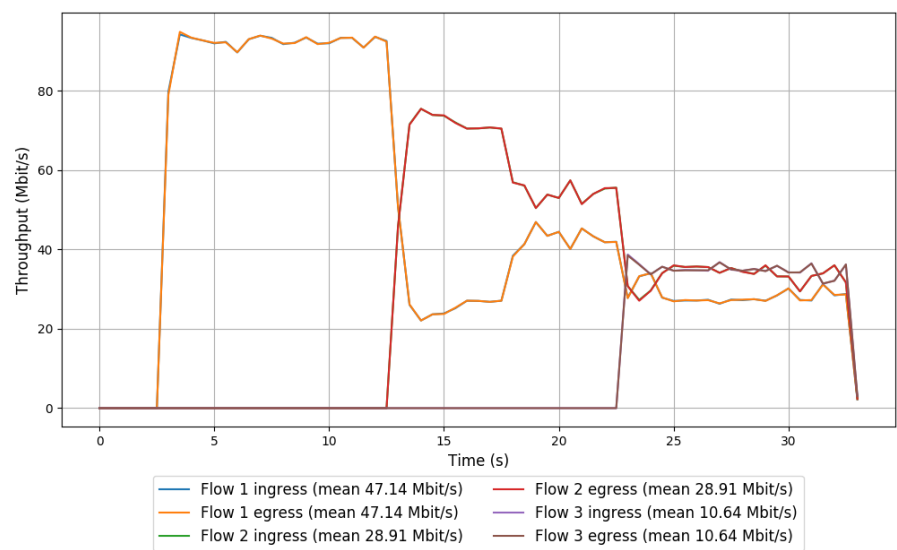
-- Flow 3:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 0.966 ms

Loss rate: 0.05%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

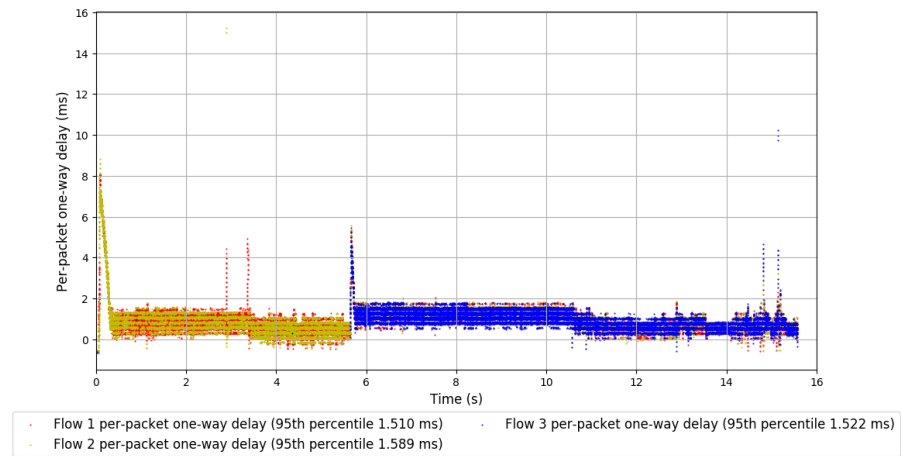
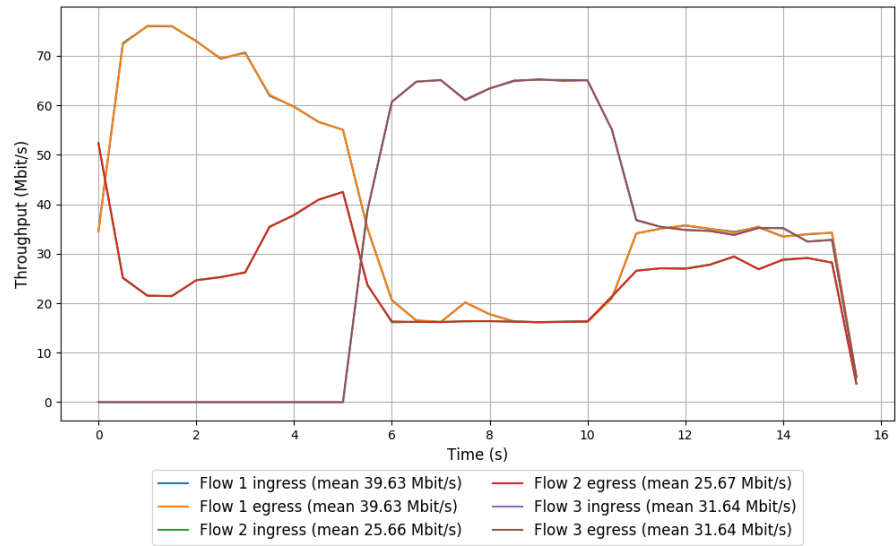
Start at: Tue, 04 Jul 2017 19:22:19 +0000

End at: Tue, 04 Jul 2017 19:22:49 +0000

Local clock offset: -2.393 ms

Remote clock offset: 0.262 ms

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



Run 4: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 19:39:23 +0000

End at: Tue, 04 Jul 2017 19:39:53 +0000

Local clock offset: -2.555 ms

Remote clock offset: 0.327 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:23:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 96.72 Mbit/s

95th percentile per-packet one-way delay: 1.069 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.84 Mbit/s

95th percentile per-packet one-way delay: 1.325 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.08 Mbit/s

95th percentile per-packet one-way delay: 0.862 ms

Loss rate: 0.00%

-- Flow 3:

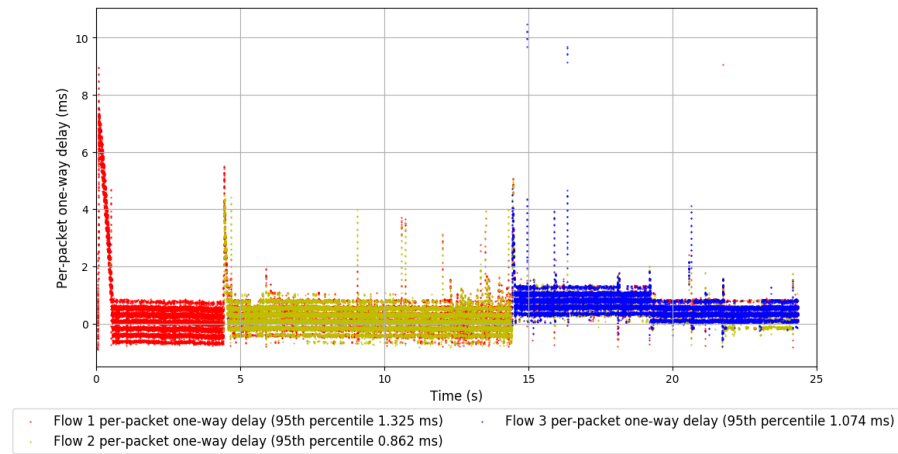
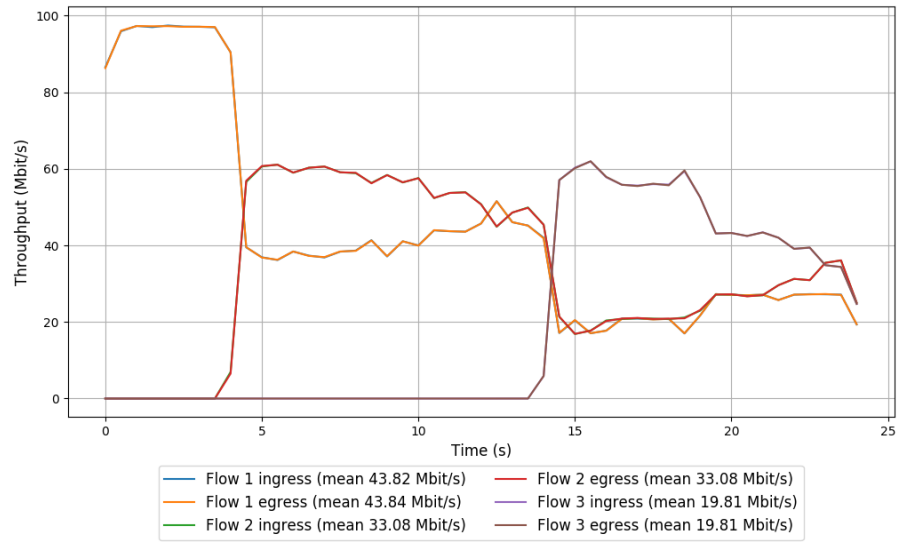
Average throughput: 19.81 Mbit/s

95th percentile per-packet one-way delay: 1.074 ms

Loss rate: 0.00%



# Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

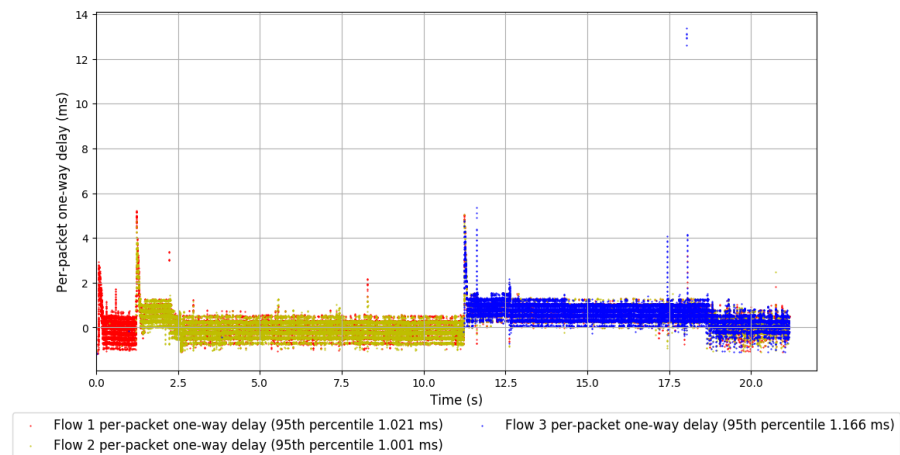
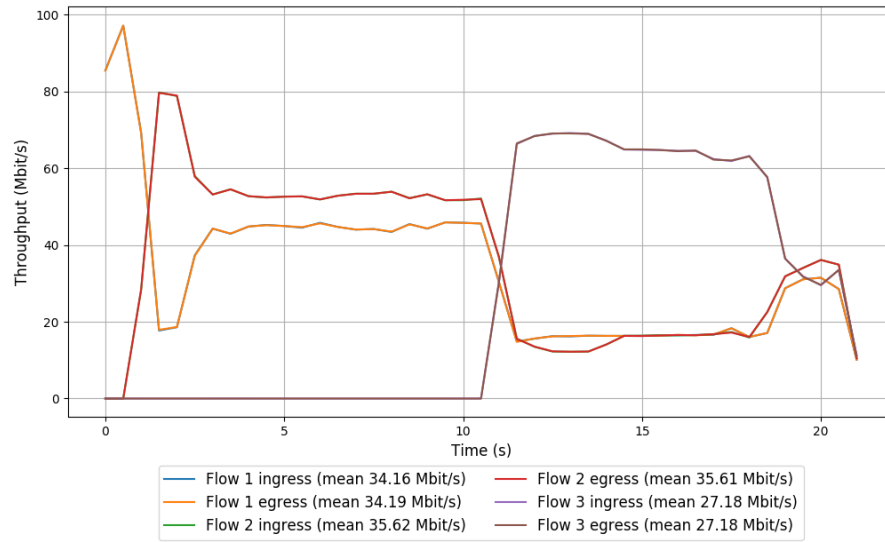
Start at: Tue, 04 Jul 2017 19:56:33 +0000

End at: Tue, 04 Jul 2017 19:57:03 +0000

Local clock offset: -2.447 ms

Remote clock offset: 0.676 ms

# Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

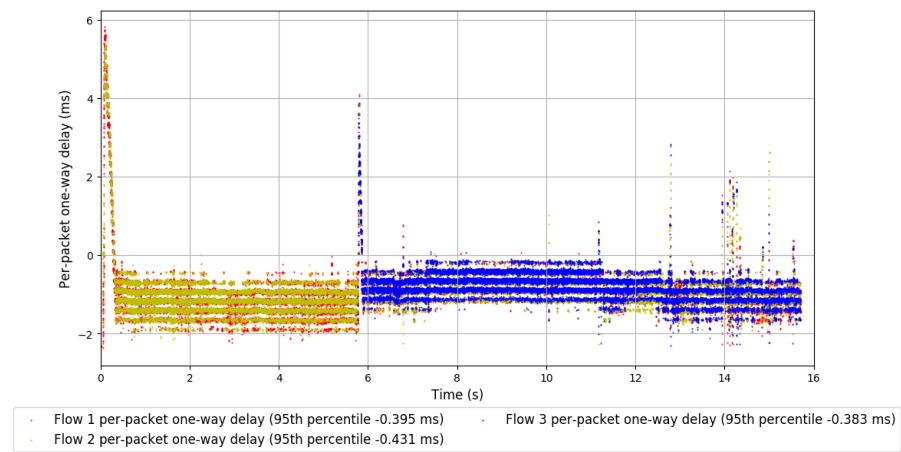
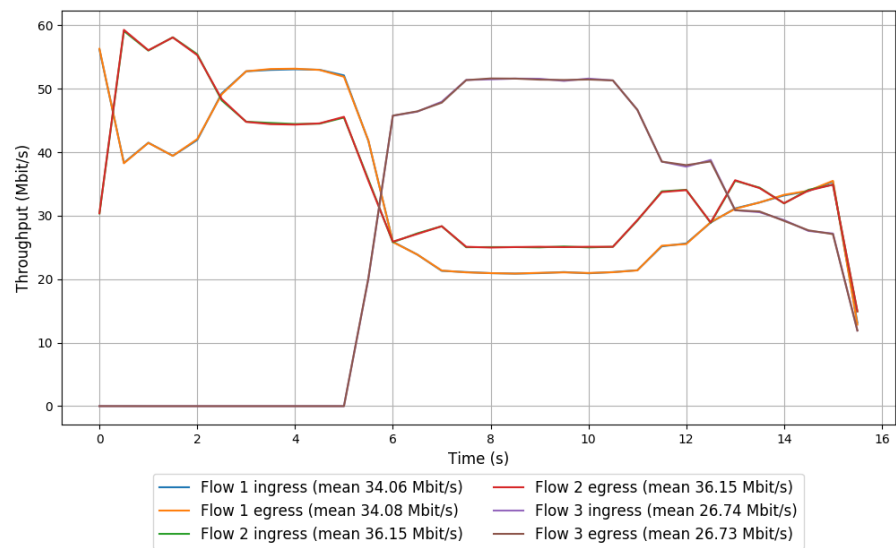
Start at: Tue, 04 Jul 2017 20:13:29 +0000

End at: Tue, 04 Jul 2017 20:13:59 +0000

Local clock offset: -3.473 ms

Remote clock offset: 0.772 ms

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

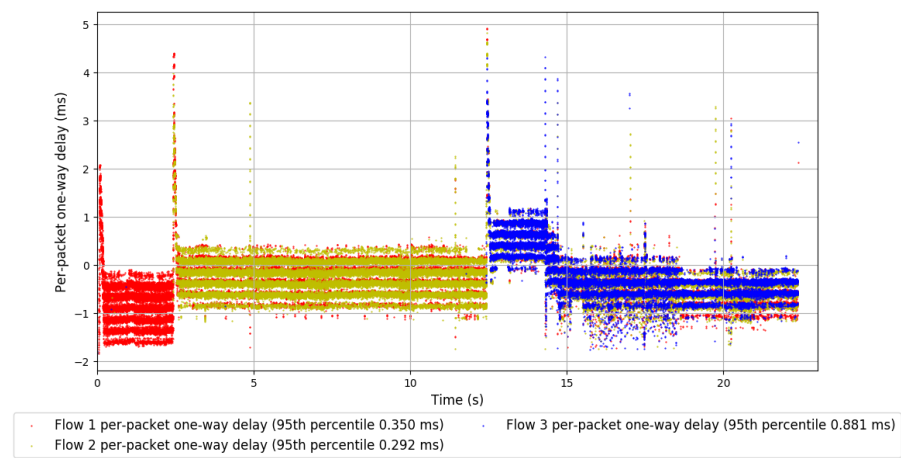
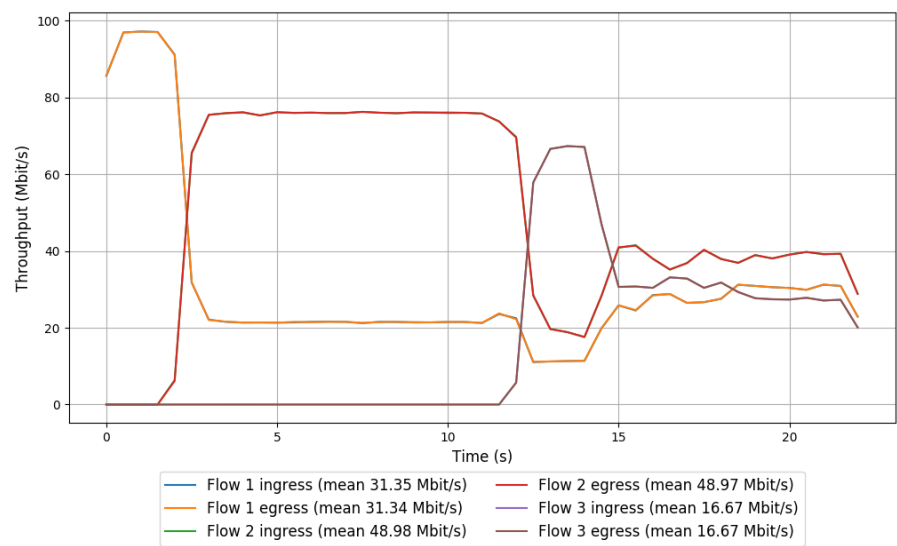
Start at: Tue, 04 Jul 2017 20:30:38 +0000

End at: Tue, 04 Jul 2017 20:31:08 +0000

Local clock offset: -3.178 ms

Remote clock offset: 0.692 ms

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 20:47:38 +0000

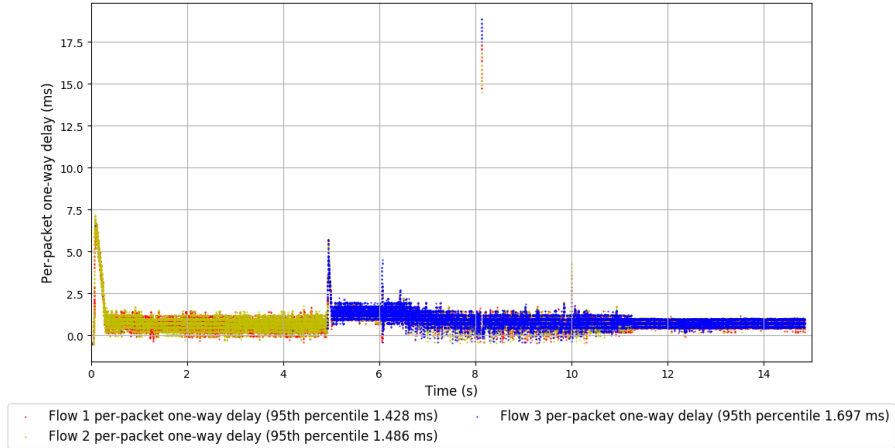
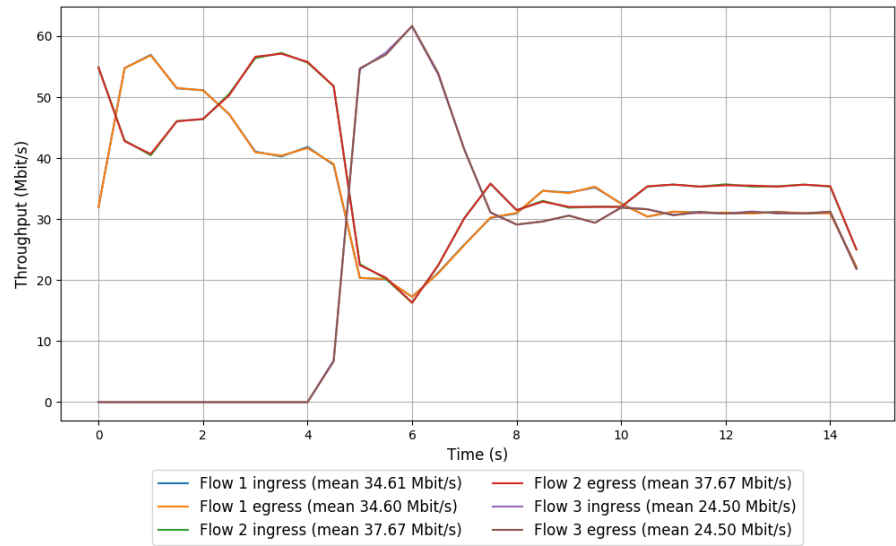
End at: Tue, 04 Jul 2017 20:48:08 +0000

Local clock offset: -2.538 ms

Remote clock offset: 0.004 ms



# Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

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

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

Local clock offset: -2.04 ms

Remote clock offset: -0.815 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:24:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 88.75 Mbit/s

95th percentile per-packet one-way delay: 3.112 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.14 Mbit/s

95th percentile per-packet one-way delay: 6.548 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.81 Mbit/s

95th percentile per-packet one-way delay: 3.045 ms

Loss rate: 0.00%

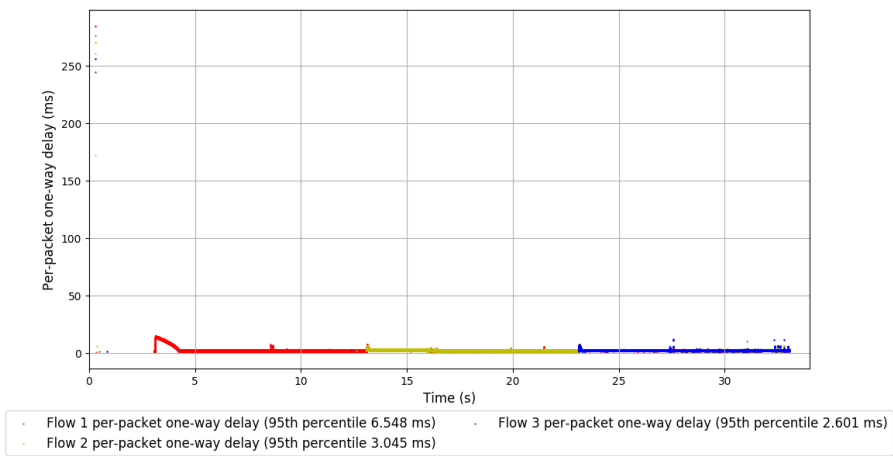
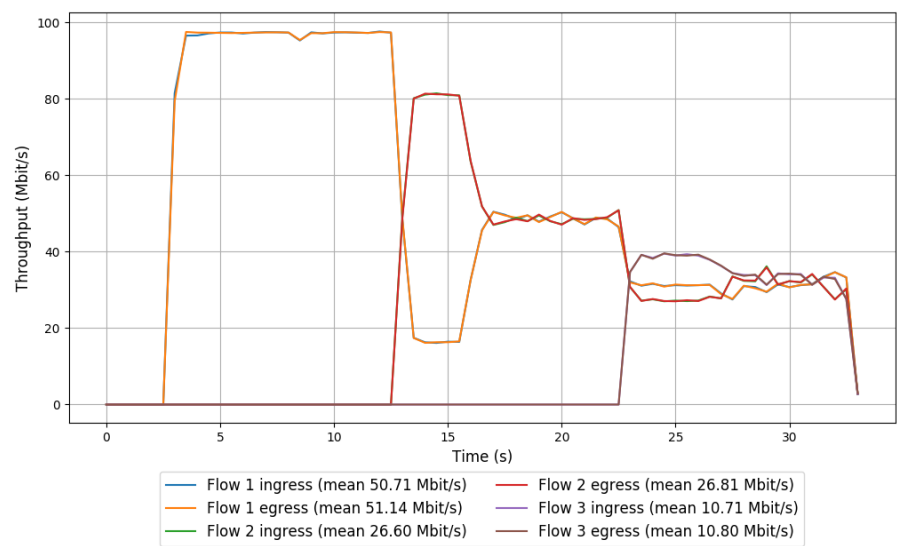
-- Flow 3:

Average throughput: 10.80 Mbit/s

95th percentile per-packet one-way delay: 2.601 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

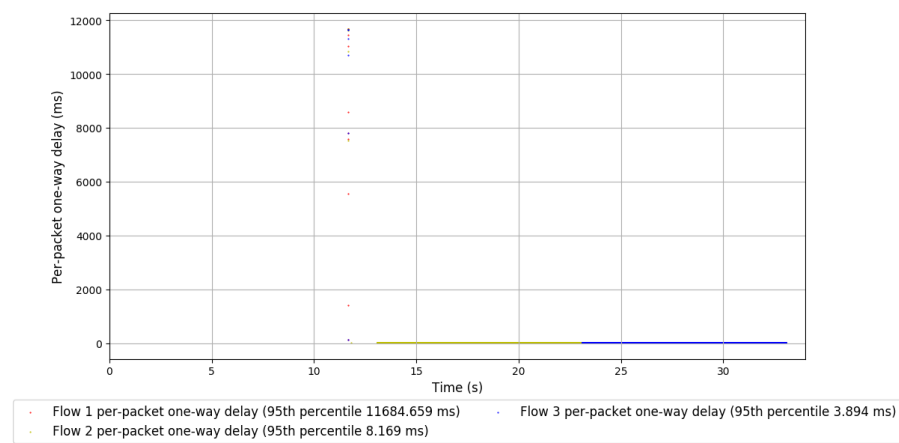
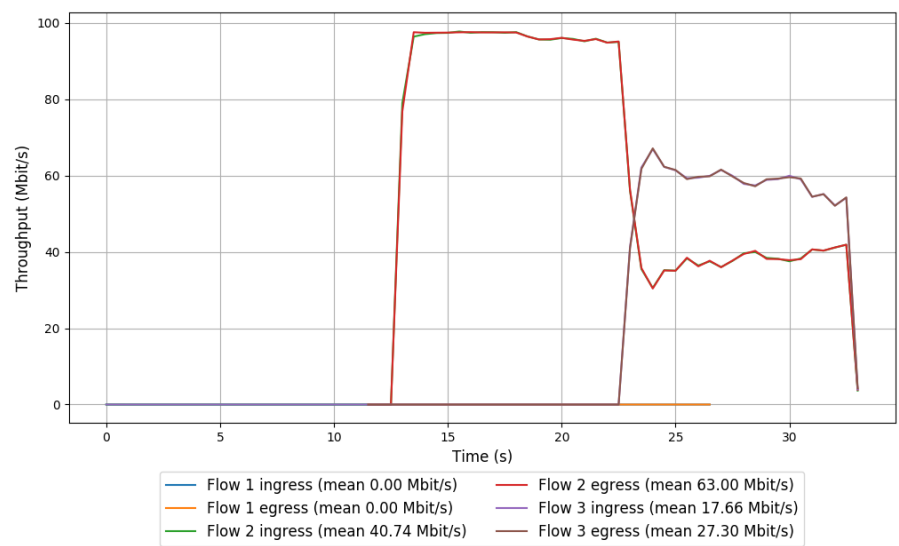
Start at: Tue, 04 Jul 2017 21:21:44 +0000

End at: Tue, 04 Jul 2017 21:22:14 +0000

Local clock offset: -1.594 ms

Remote clock offset: -1.772 ms

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Tue, 04 Jul 2017 18:37:17 +0000

End at: Tue, 04 Jul 2017 18:37:47 +0000

Local clock offset: -1.996 ms

Remote clock offset: 0.11 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:24:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.35 Mbit/s

95th percentile per-packet one-way delay: 26.748 ms

Loss rate: 6.60%

-- Flow 1:

Average throughput: 40.31 Mbit/s

95th percentile per-packet one-way delay: 22.384 ms

Loss rate: 4.03%

-- Flow 2:

Average throughput: 16.88 Mbit/s

95th percentile per-packet one-way delay: 25.729 ms

Loss rate: 7.58%

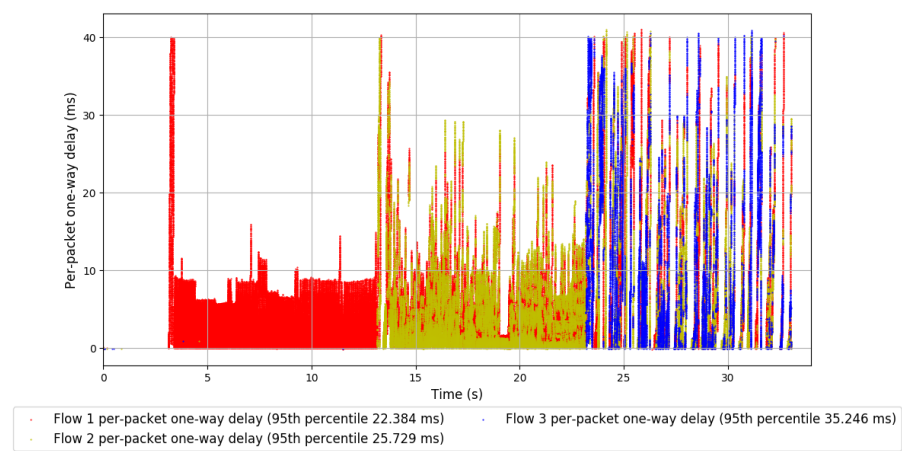
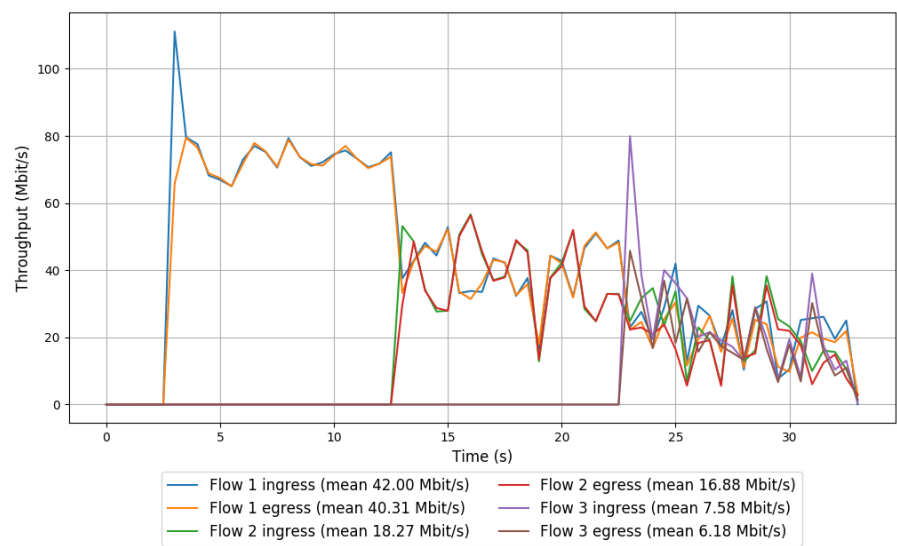
-- Flow 3:

Average throughput: 6.18 Mbit/s

95th percentile per-packet one-way delay: 35.246 ms

Loss rate: 18.48%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Tue, 04 Jul 2017 18:54:20 +0000

End at: Tue, 04 Jul 2017 18:54:50 +0000

Local clock offset: -2.396 ms

Remote clock offset: 0.313 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:24:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 69.16 Mbit/s

95th percentile per-packet one-way delay: 21.306 ms

Loss rate: 4.78%

-- Flow 1:

Average throughput: 40.71 Mbit/s

95th percentile per-packet one-way delay: 18.148 ms

Loss rate: 3.26%

-- Flow 2:

Average throughput: 19.95 Mbit/s

95th percentile per-packet one-way delay: 23.803 ms

Loss rate: 5.82%

-- Flow 3:

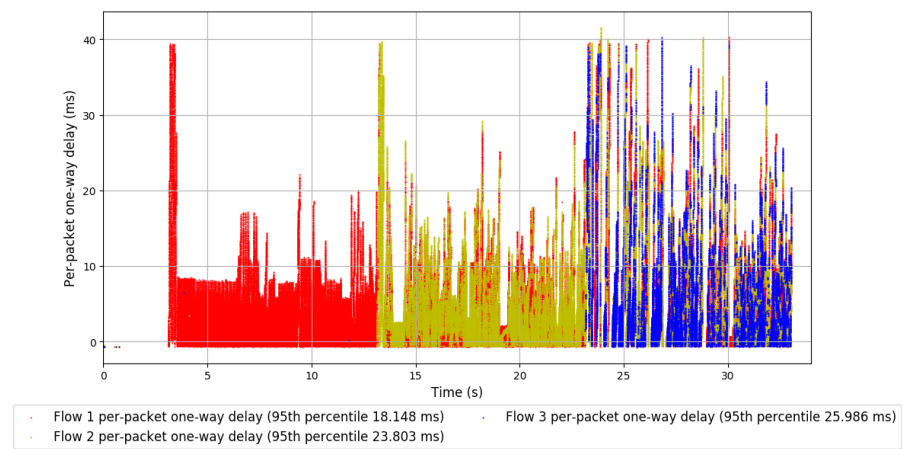
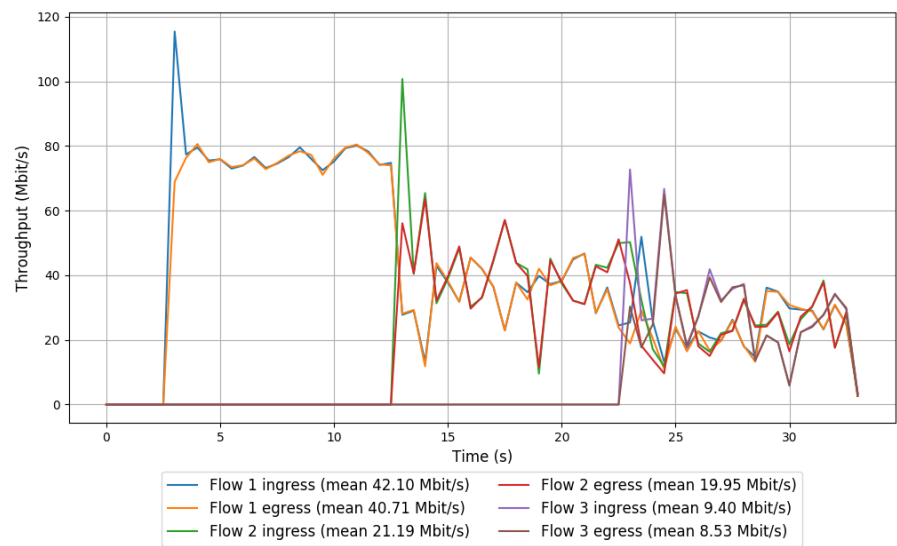
Average throughput: 8.53 Mbit/s

95th percentile per-packet one-way delay: 25.986 ms

Loss rate: 9.22%



Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:11:25 +0000

End at: Tue, 04 Jul 2017 19:11:55 +0000

Local clock offset: -2.373 ms

Remote clock offset: 0.322 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:24:40 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 61.77 Mbit/s

95th percentile per-packet one-way delay: 25.273 ms

Loss rate: 5.70%

-- Flow 1:

Average throughput: 41.37 Mbit/s

95th percentile per-packet one-way delay: 19.509 ms

Loss rate: 3.35%

-- Flow 2:

Average throughput: 16.00 Mbit/s

95th percentile per-packet one-way delay: 25.659 ms

Loss rate: 6.72%

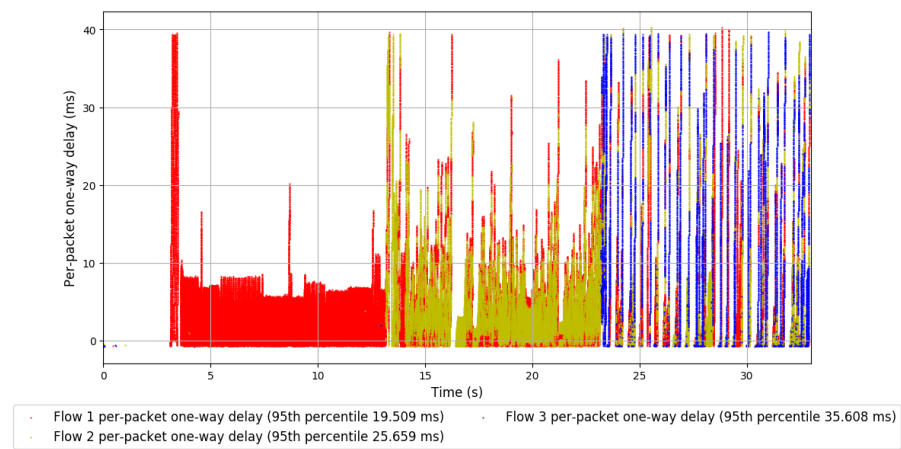
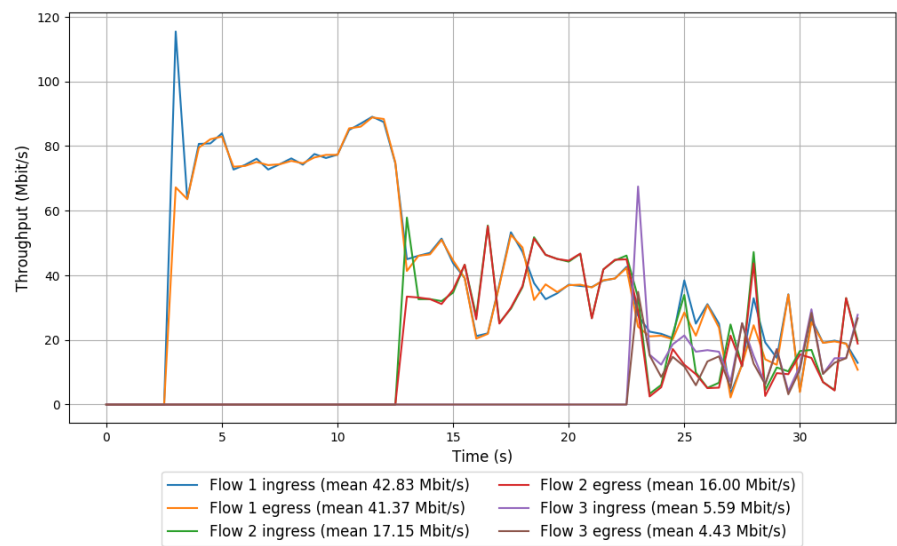
-- Flow 3:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 35.608 ms

Loss rate: 20.62%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:29:07 +0000

End at: Tue, 04 Jul 2017 19:29:37 +0000

Local clock offset: -2.443 ms

Remote clock offset: 0.182 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:24:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 65.32 Mbit/s

95th percentile per-packet one-way delay: 22.308 ms

Loss rate: 5.13%

-- Flow 1:

Average throughput: 42.06 Mbit/s

95th percentile per-packet one-way delay: 17.146 ms

Loss rate: 2.22%

-- Flow 2:

Average throughput: 16.59 Mbit/s

95th percentile per-packet one-way delay: 25.582 ms

Loss rate: 6.73%

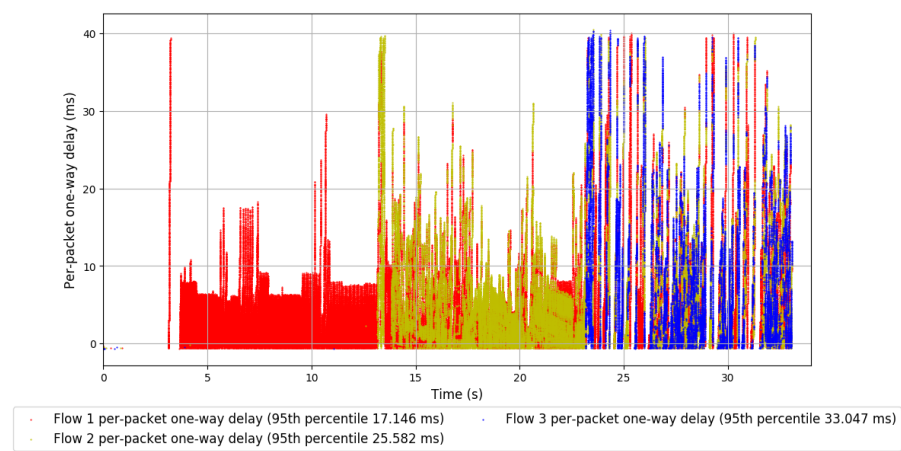
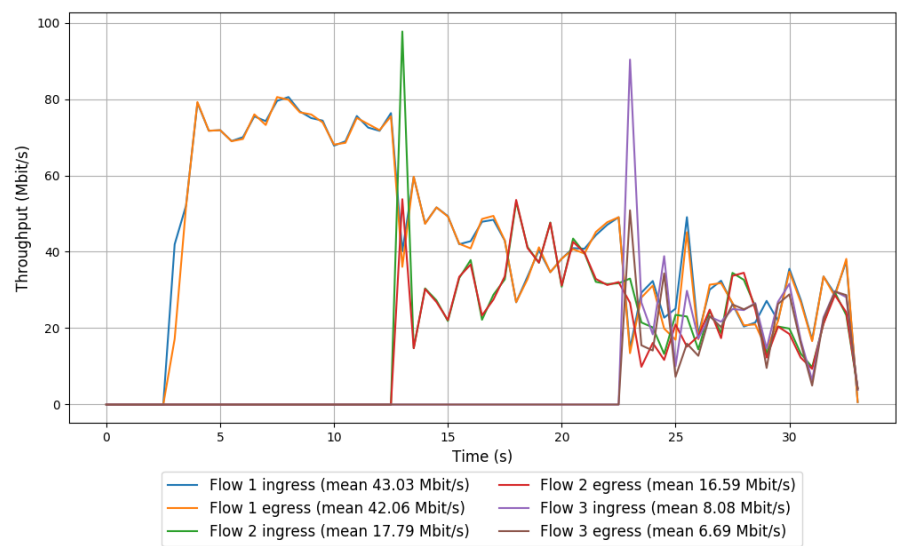
-- Flow 3:

Average throughput: 6.69 Mbit/s

95th percentile per-packet one-way delay: 33.047 ms

Loss rate: 17.12%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:46:16 +0000

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

Local clock offset: -2.592 ms

Remote clock offset: 0.497 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:24:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 63.70 Mbit/s

95th percentile per-packet one-way delay: 24.270 ms

Loss rate: 7.01%

-- Flow 1:

Average throughput: 39.79 Mbit/s

95th percentile per-packet one-way delay: 19.824 ms

Loss rate: 4.61%

-- Flow 2:

Average throughput: 17.62 Mbit/s

95th percentile per-packet one-way delay: 27.110 ms

Loss rate: 9.13%

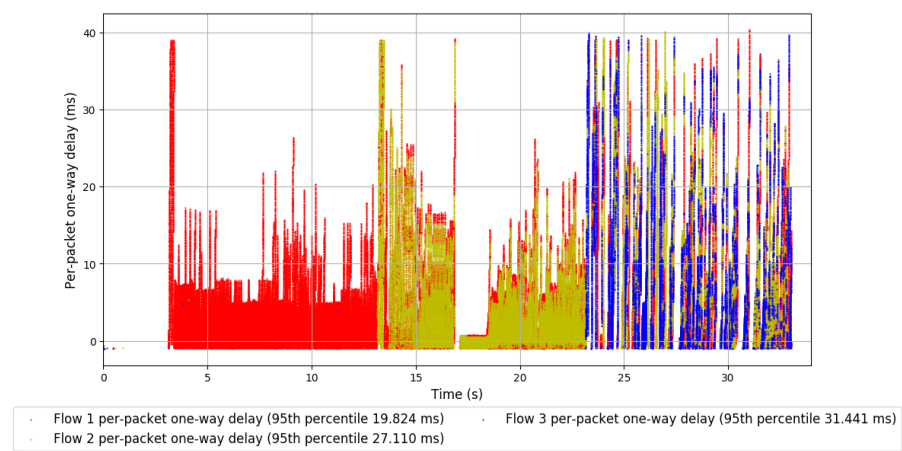
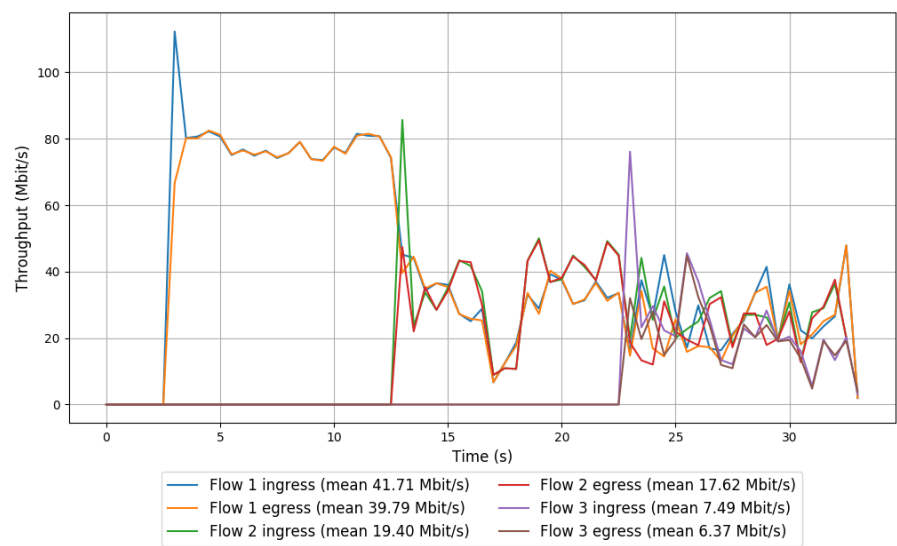
-- Flow 3:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 31.441 ms

Loss rate: 14.95%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:03:18 +0000

End at: Tue, 04 Jul 2017 20:03:48 +0000

Local clock offset: -2.764 ms

Remote clock offset: 0.867 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:24:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 64.02 Mbit/s

95th percentile per-packet one-way delay: 21.864 ms

Loss rate: 6.18%

-- Flow 1:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 16.076 ms

Loss rate: 3.99%

-- Flow 2:

Average throughput: 17.40 Mbit/s

95th percentile per-packet one-way delay: 25.173 ms

Loss rate: 7.40%

-- Flow 3:

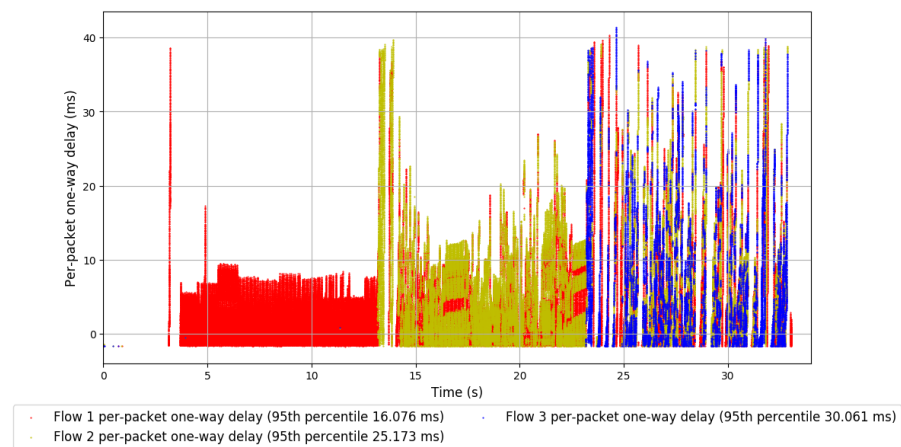
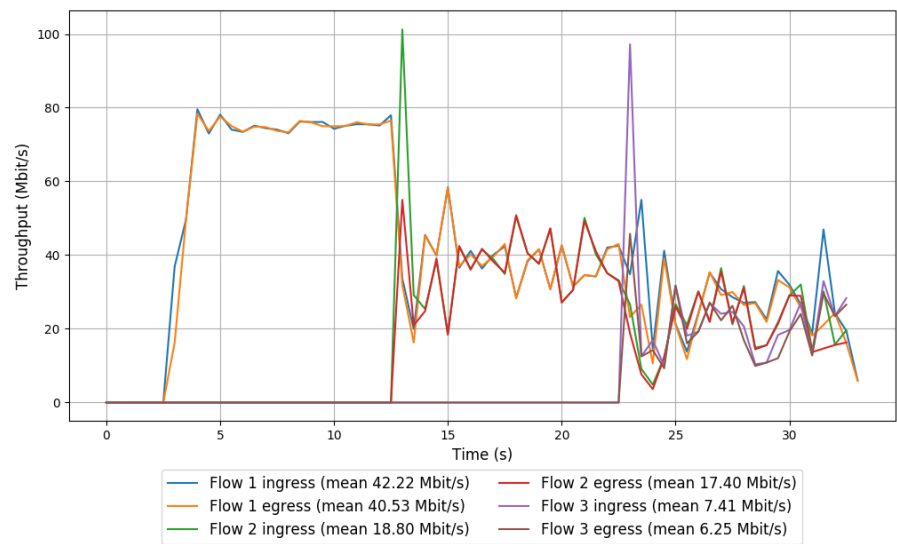
Average throughput: 6.25 Mbit/s

95th percentile per-packet one-way delay: 30.061 ms

Loss rate: 15.61%



Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

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

End at: Tue, 04 Jul 2017 20:20:50 +0000

Local clock offset: -3.336 ms

Remote clock offset: 0.889 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 67.07 Mbit/s

95th percentile per-packet one-way delay: 20.568 ms

Loss rate: 3.86%

-- Flow 1:

Average throughput: 43.42 Mbit/s

95th percentile per-packet one-way delay: 17.195 ms

Loss rate: 2.57%

-- Flow 2:

Average throughput: 15.61 Mbit/s

95th percentile per-packet one-way delay: 24.899 ms

Loss rate: 6.11%

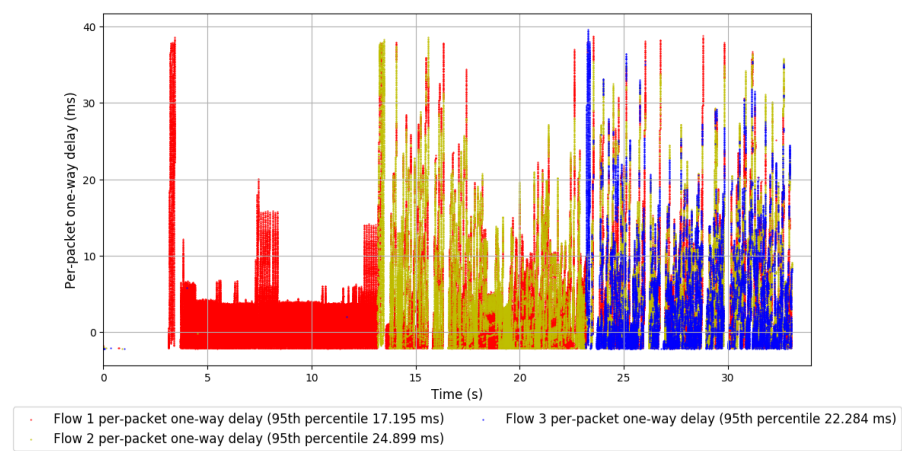
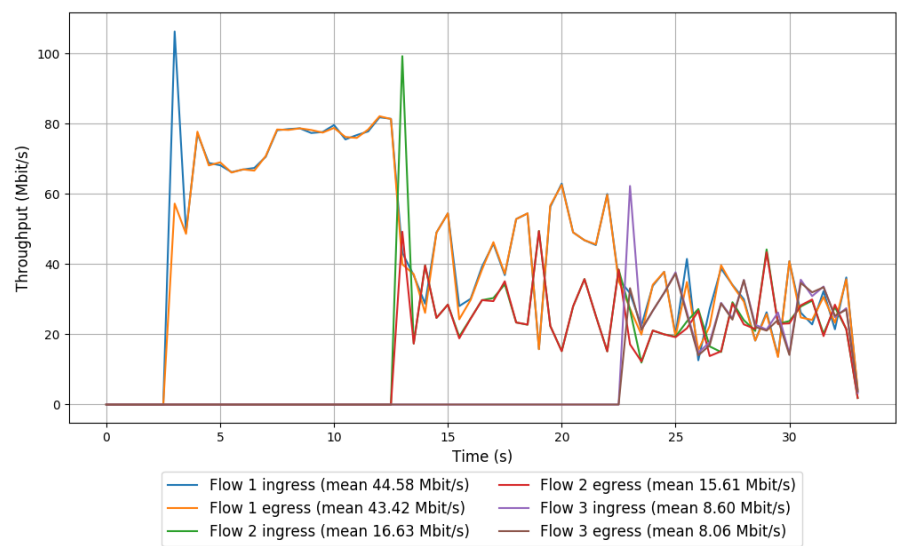
-- Flow 3:

Average throughput: 8.06 Mbit/s

95th percentile per-packet one-way delay: 22.284 ms

Loss rate: 6.22%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:37:27 +0000

End at: Tue, 04 Jul 2017 20:37:57 +0000

Local clock offset: -2.947 ms

Remote clock offset: 0.416 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:06 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 59.21 Mbit/s

95th percentile per-packet one-way delay: 23.168 ms

Loss rate: 4.79%

-- Flow 1:

Average throughput: 37.83 Mbit/s

95th percentile per-packet one-way delay: 18.866 ms

Loss rate: 3.15%

-- Flow 2:

Average throughput: 14.20 Mbit/s

95th percentile per-packet one-way delay: 26.555 ms

Loss rate: 6.50%

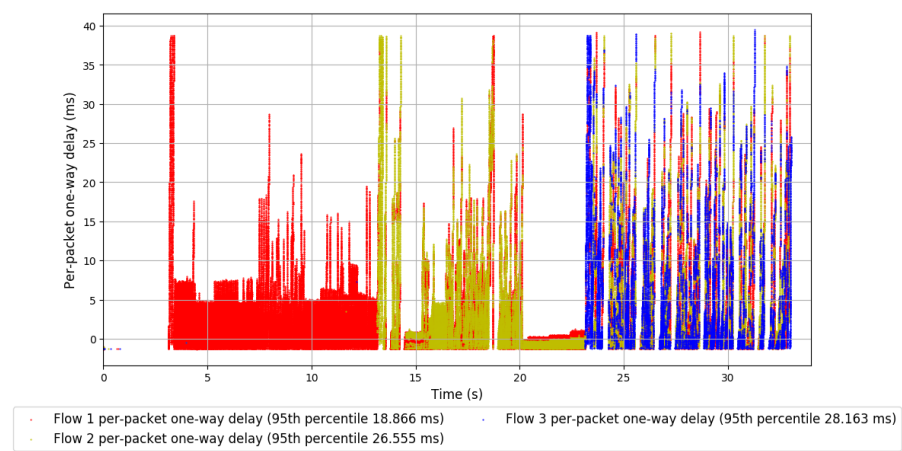
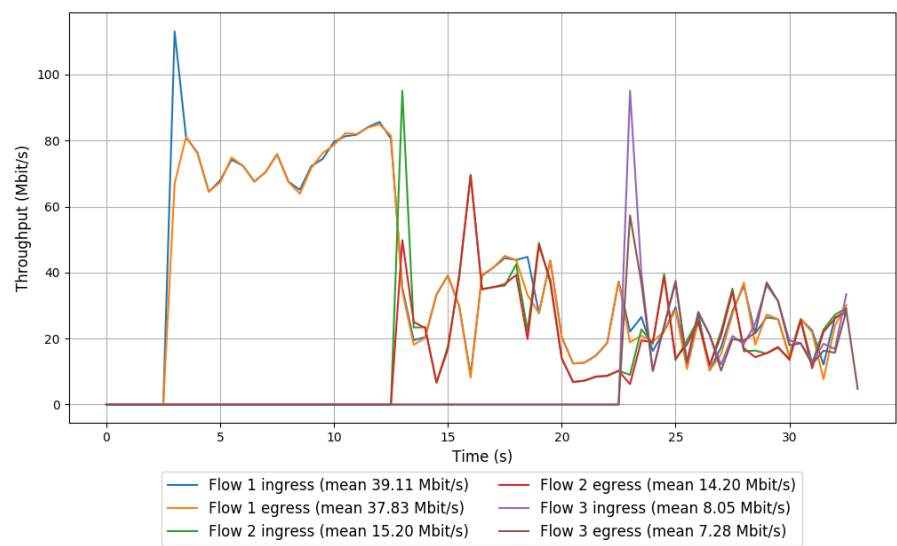
-- Flow 3:

Average throughput: 7.28 Mbit/s

95th percentile per-packet one-way delay: 28.163 ms

Loss rate: 9.52%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:54:25 +0000

End at: Tue, 04 Jul 2017 20:54:55 +0000

Local clock offset: -2.356 ms

Remote clock offset: -0.326 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:12 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 62.89 Mbit/s

95th percentile per-packet one-way delay: 24.876 ms

Loss rate: 4.54%

-- Flow 1:

Average throughput: 41.01 Mbit/s

95th percentile per-packet one-way delay: 21.335 ms

Loss rate: 2.86%

-- Flow 2:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 26.375 ms

Loss rate: 5.68%

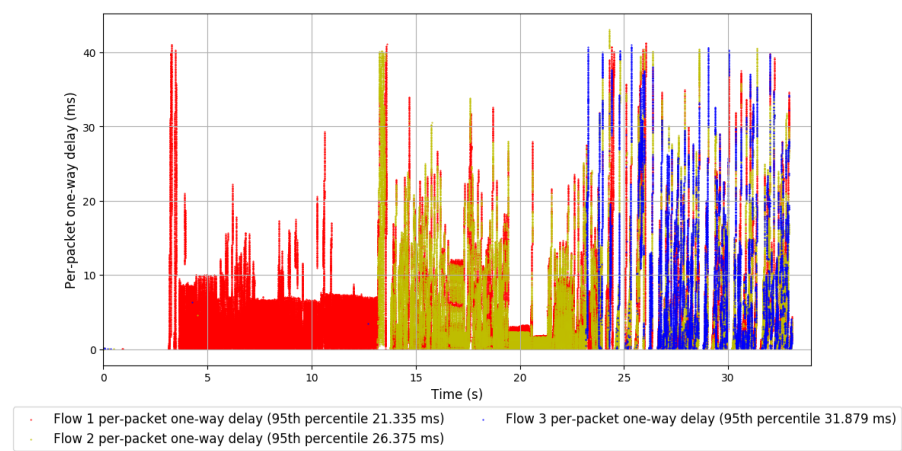
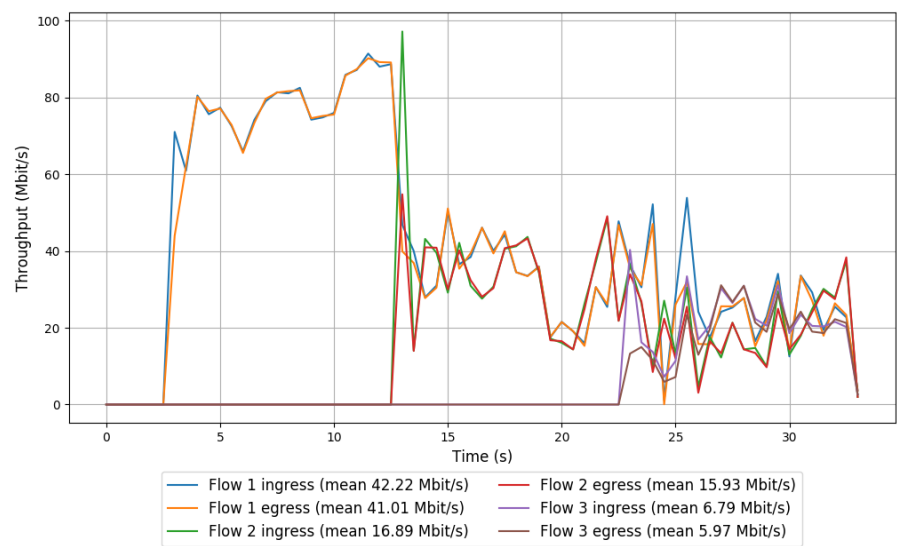
-- Flow 3:

Average throughput: 5.97 Mbit/s

95th percentile per-packet one-way delay: 31.879 ms

Loss rate: 12.14%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Tue, 04 Jul 2017 21:11:28 +0000

End at: Tue, 04 Jul 2017 21:11:58 +0000

Local clock offset: -1.84 ms

Remote clock offset: -1.317 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 67.14 Mbit/s

95th percentile per-packet one-way delay: 25.066 ms

Loss rate: 4.55%

-- Flow 1:

Average throughput: 41.57 Mbit/s

95th percentile per-packet one-way delay: 21.078 ms

Loss rate: 2.96%

-- Flow 2:

Average throughput: 18.44 Mbit/s

95th percentile per-packet one-way delay: 25.933 ms

Loss rate: 5.59%

-- Flow 3:

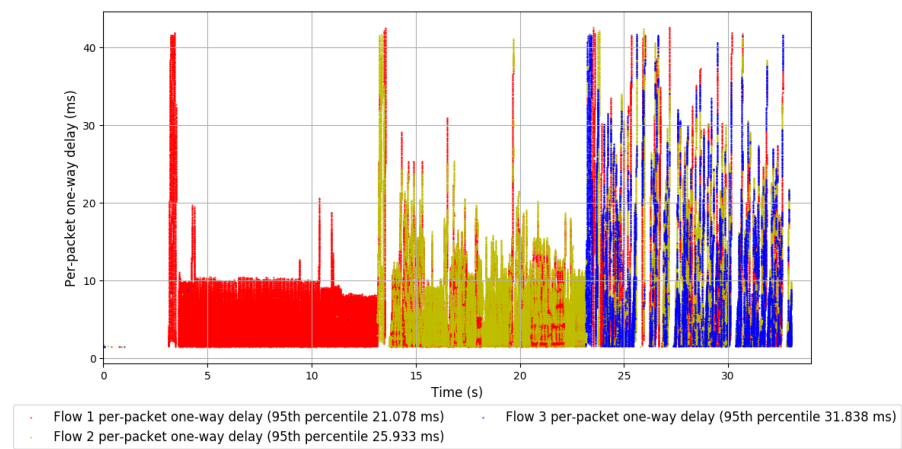
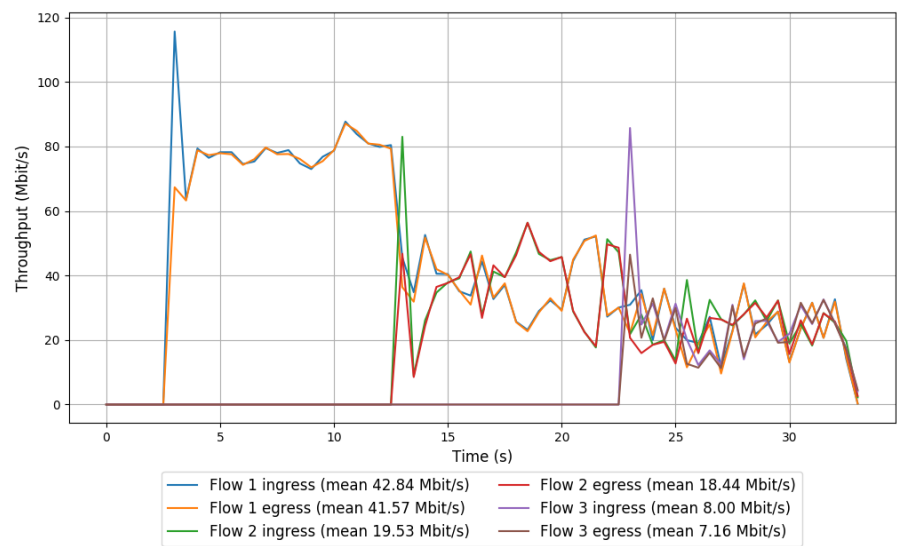
Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 31.838 ms

Loss rate: 10.48%



Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

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

End at: Tue, 04 Jul 2017 18:43:34 +0000

Local clock offset: -2.281 ms

Remote clock offset: 0.183 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 0.749 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 0.770 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 0.683 ms

Loss rate: 0.00%

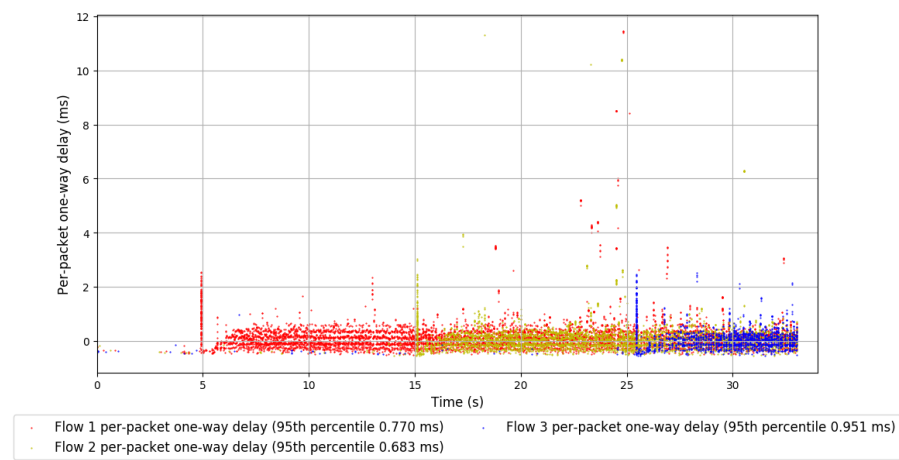
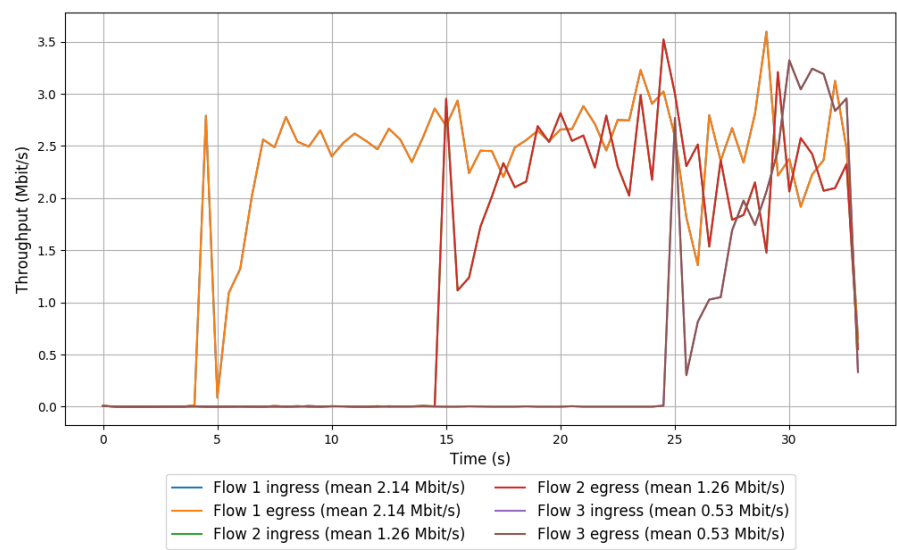
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 0.951 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 19:00:07 +0000

End at: Tue, 04 Jul 2017 19:00:37 +0000

Local clock offset: -2.336 ms

Remote clock offset: 0.282 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 0.470 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 0.397 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 0.542 ms

Loss rate: 0.00%

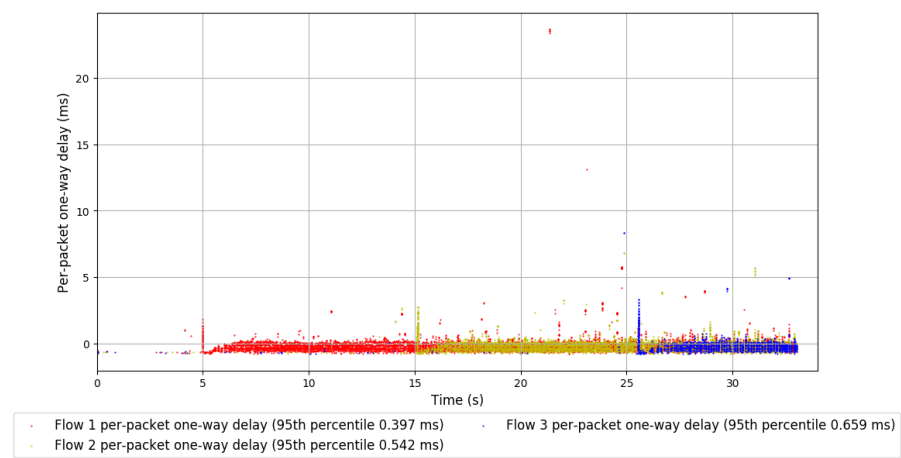
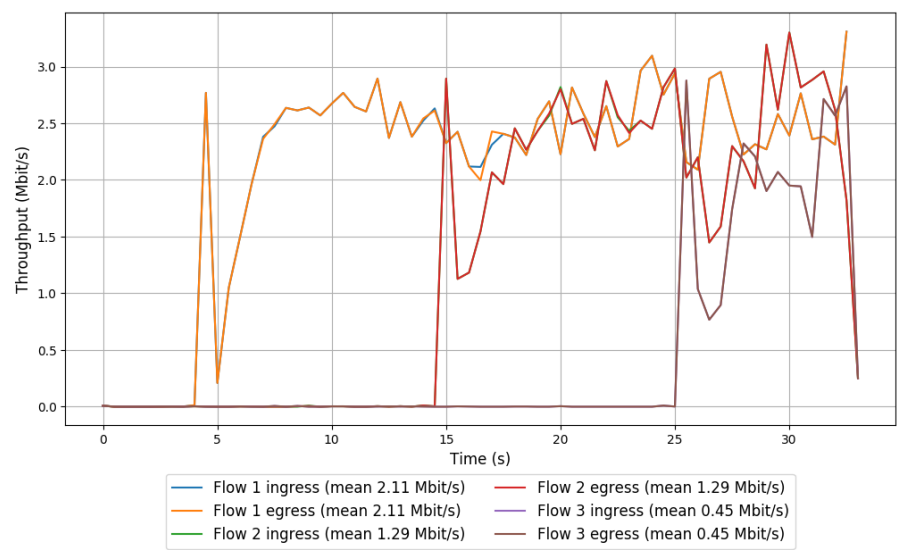
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 0.659 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 19:17:54 +0000

End at: Tue, 04 Jul 2017 19:18:24 +0000

Local clock offset: -2.37 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 0.572 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 0.428 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 0.876 ms

Loss rate: 0.00%

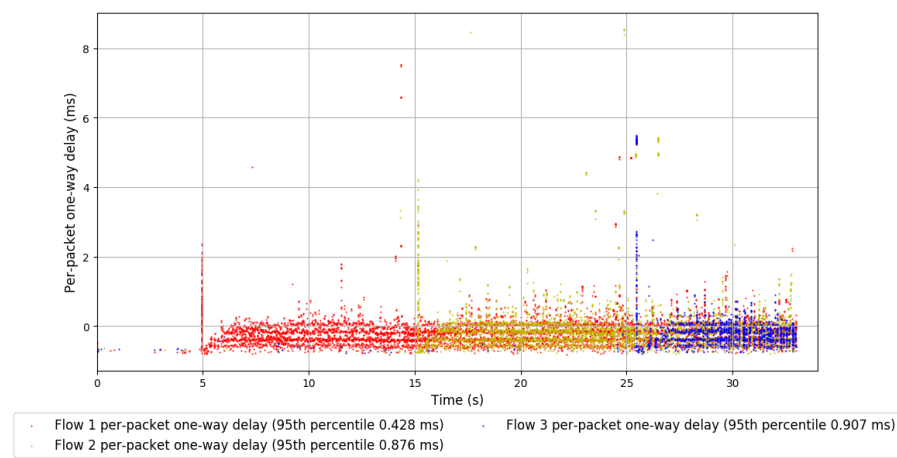
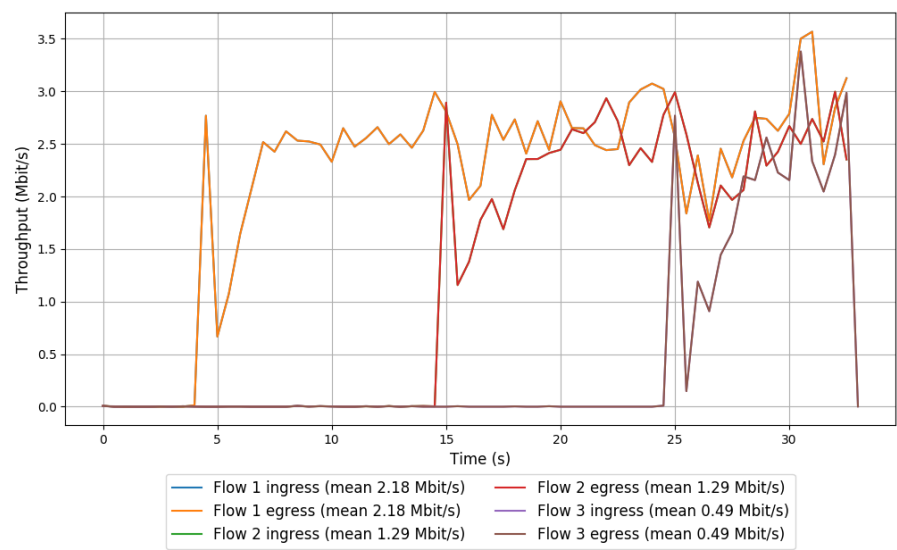
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 0.907 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 19:34:53 +0000

End at: Tue, 04 Jul 2017 19:35:23 +0000

Local clock offset: -2.456 ms

Remote clock offset: 0.246 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:21 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 0.498 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 0.459 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 0.501 ms

Loss rate: 0.00%

-- Flow 3:

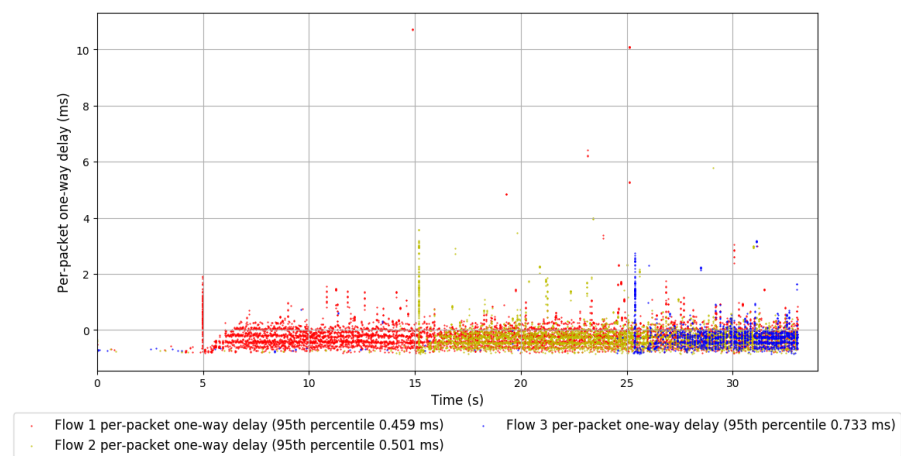
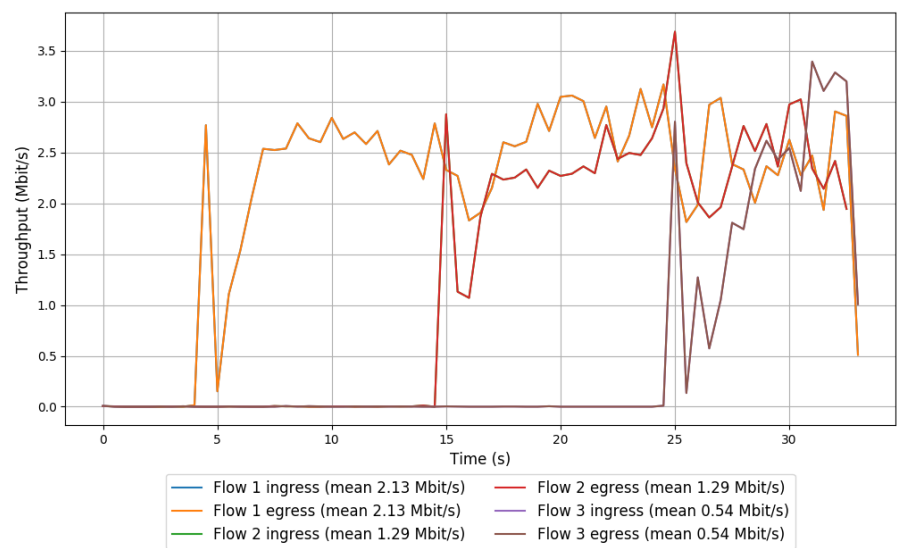
Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 0.733 ms

Loss rate: 0.00%



Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 19:52:02 +0000

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

Local clock offset: -2.489 ms

Remote clock offset: 0.64 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:21 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 0.195 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 0.096 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 0.201 ms

Loss rate: 0.00%

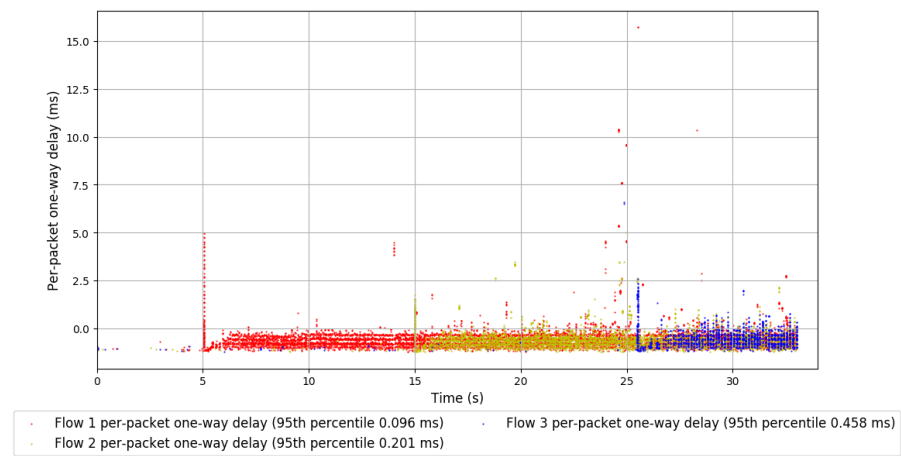
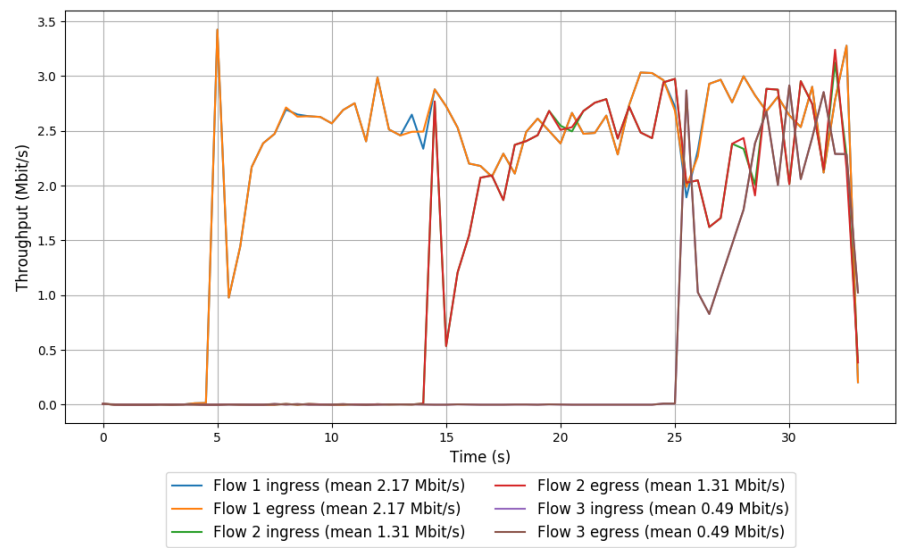
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 0.458 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 20:09:04 +0000

End at: Tue, 04 Jul 2017 20:09:34 +0000

Local clock offset: -3.171 ms

Remote clock offset: 0.848 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.76 Mbit/s

95th percentile per-packet one-way delay: -0.894 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: -0.996 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: -1.005 ms

Loss rate: 0.00%

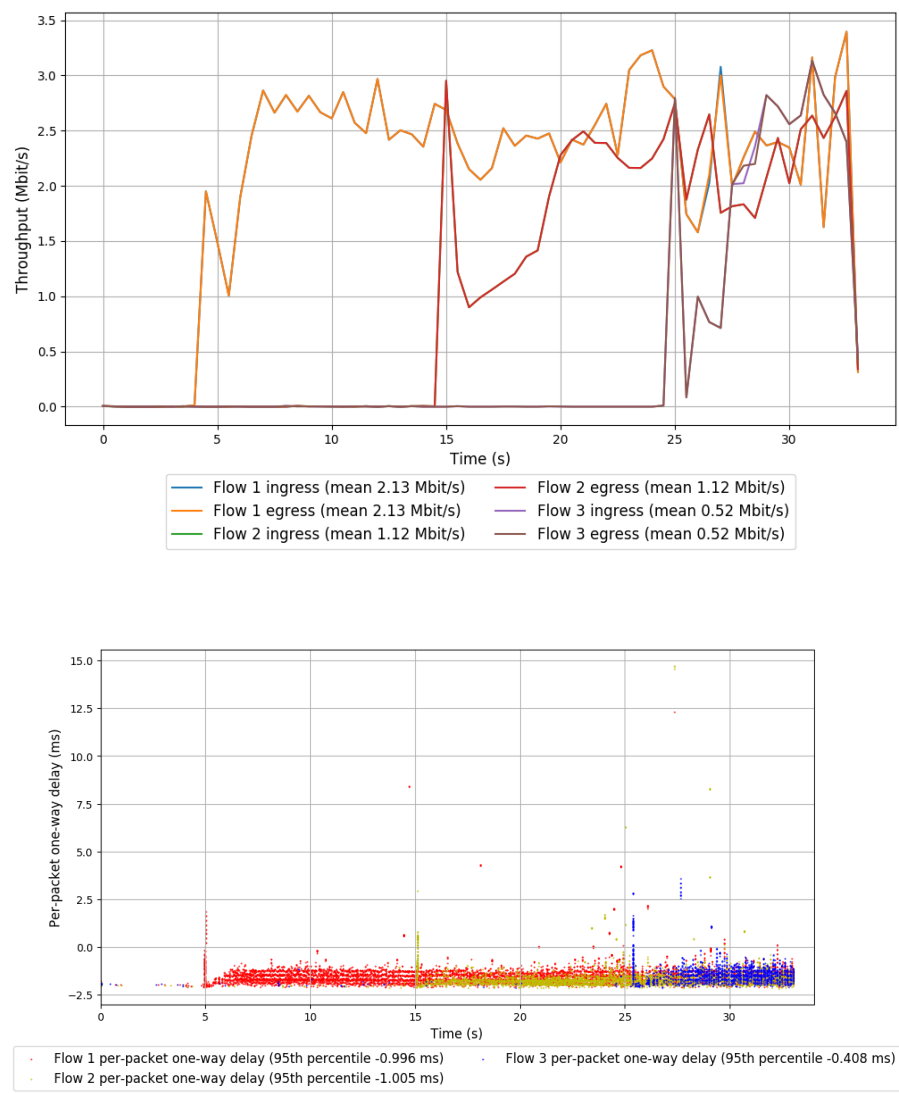
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: -0.408 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 20:26:07 +0000

End at: Tue, 04 Jul 2017 20:26:37 +0000

Local clock offset: -3.182 ms

Remote clock offset: 0.866 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: -0.800 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: -0.828 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: -0.819 ms

Loss rate: 0.00%

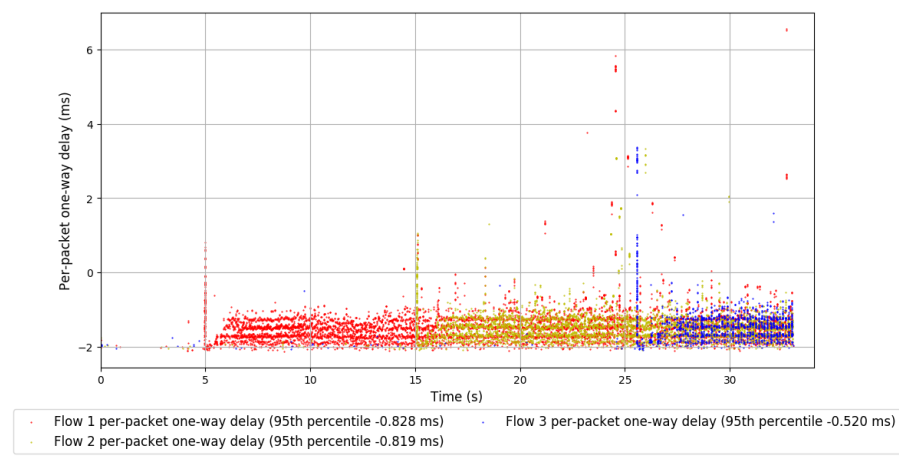
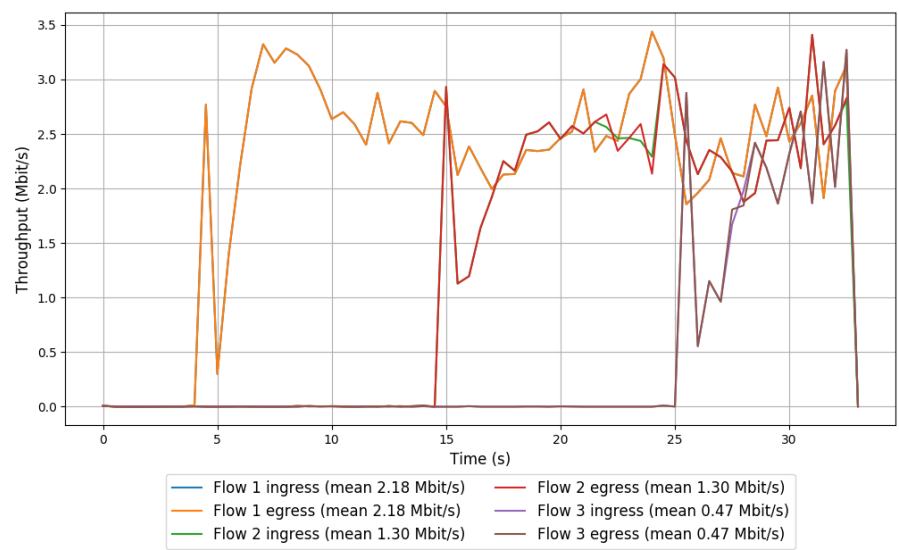
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: -0.520 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 20:43:13 +0000

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

Local clock offset: -2.656 ms

Remote clock offset: 0.202 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 0.390 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 1.529 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 0.241 ms

Loss rate: 0.00%

-- Flow 3:

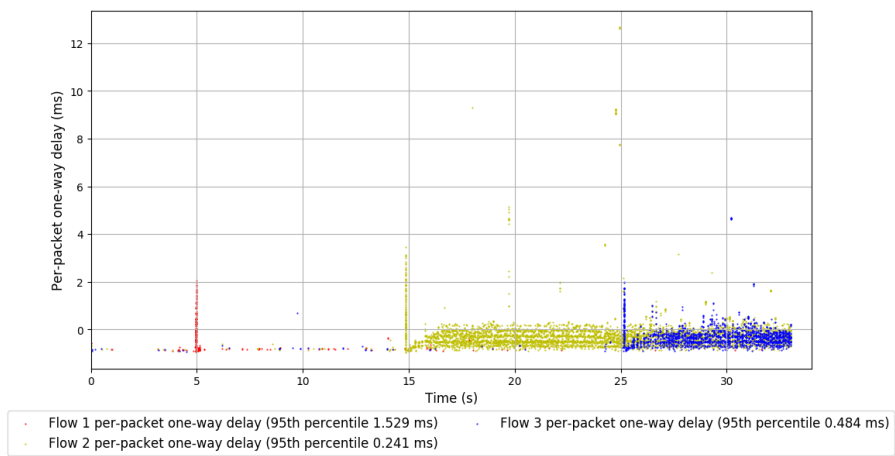
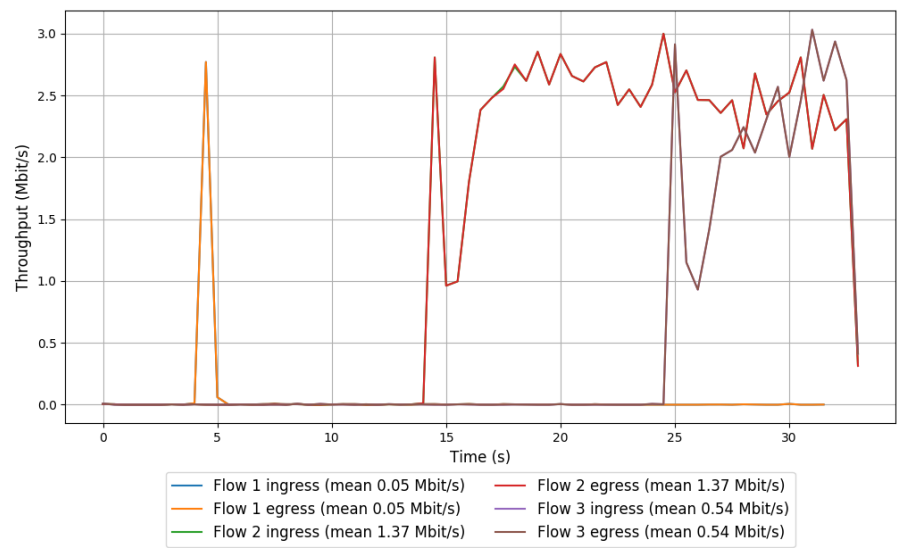
Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 0.484 ms

Loss rate: 0.00%



Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 21:00:10 +0000

End at: Tue, 04 Jul 2017 21:00:40 +0000

Local clock offset: -2.142 ms

Remote clock offset: -0.627 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 1.825 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 1.704 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 1.847 ms

Loss rate: 0.00%

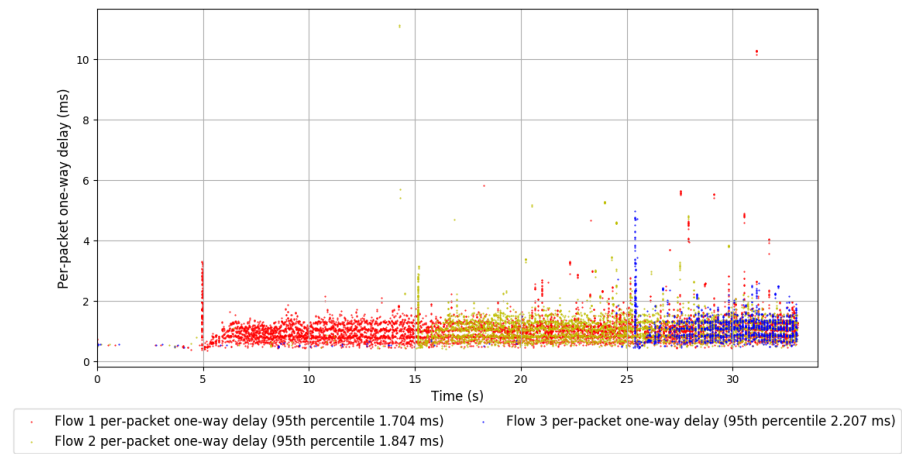
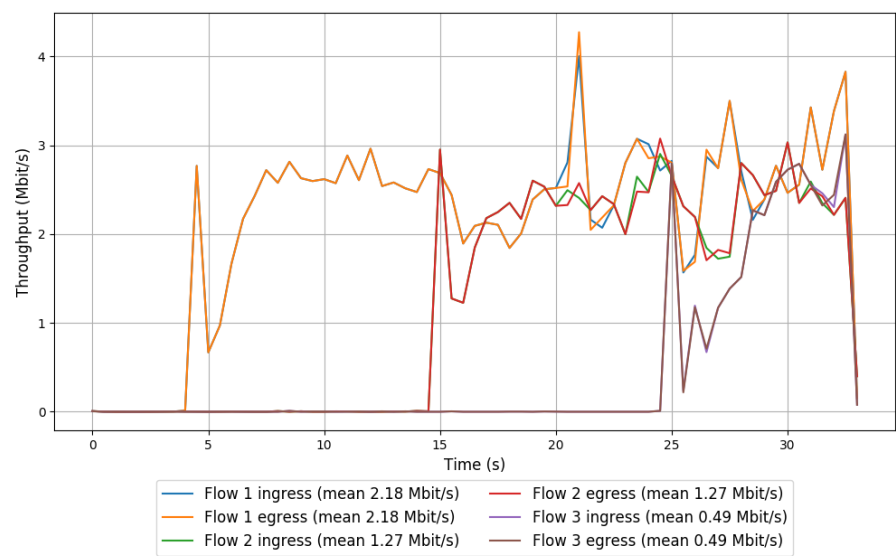
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 2.207 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 21:17:14 +0000

End at: Tue, 04 Jul 2017 21:17:44 +0000

Local clock offset: -1.7 ms

Remote clock offset: -1.581 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 01:25:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 3.084 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 3.599 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 2.956 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 3.409 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

