

Pantheon Summary (Generated at Wed, 05 Jul 2017 05:48:44 +0000 with pantheon version 767a95bcc95d67bd77e69c0f8bc9320c1ad3146b)

Repeated the test of 15 congestion control schemes 10 times.

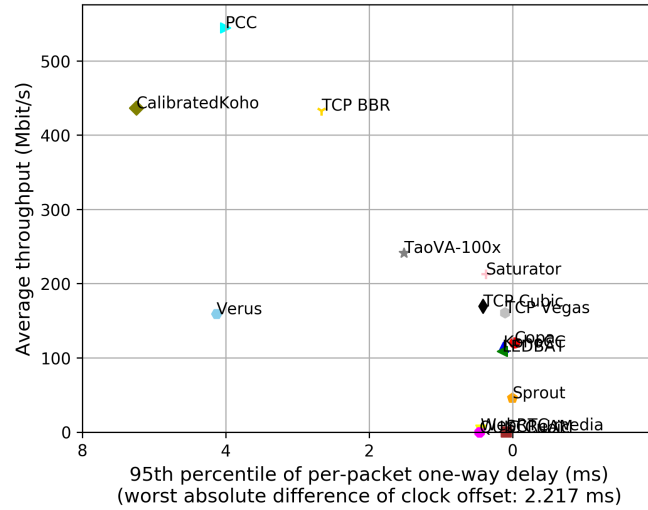
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Data path **from** Stanford Ethernet **to** AWS California 1 Ethernet.

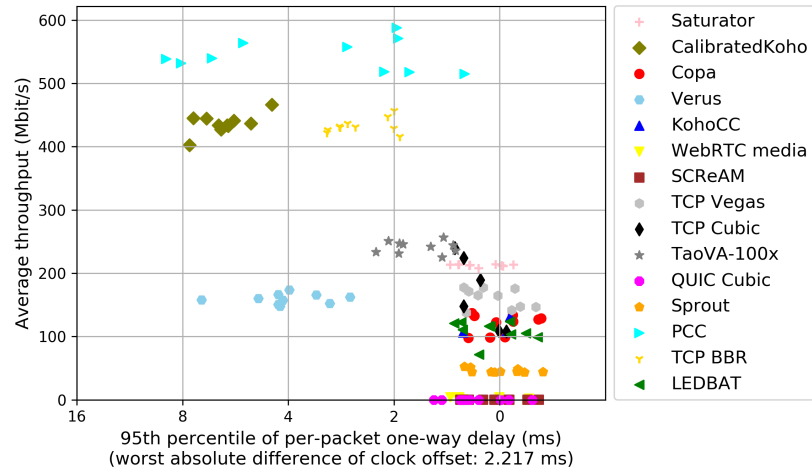
NTP offset measured against time.stanford.edu.

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

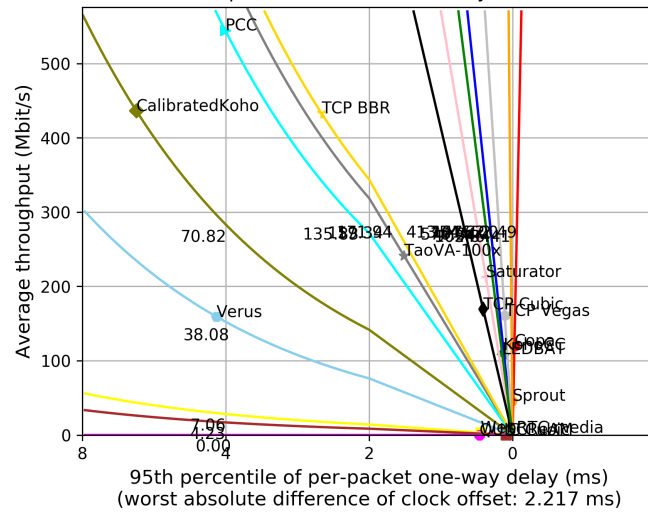
test from Stanford Ethernet to AWS California 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



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



Run 1: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 22:18:41 +0000

End at: Tue, 04 Jul 2017 22:19:11 +0000

Local clock offset: 0.013 ms

Remote clock offset: -1.696 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:11:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 447.56 Mbit/s

95th percentile per-packet one-way delay: 2.084 ms

Loss rate: 10.74%

-- Flow 1:

Average throughput: 215.26 Mbit/s

95th percentile per-packet one-way delay: 2.013 ms

Loss rate: 9.11%

-- Flow 2:

Average throughput: 179.17 Mbit/s

95th percentile per-packet one-way delay: 1.873 ms

Loss rate: 12.68%

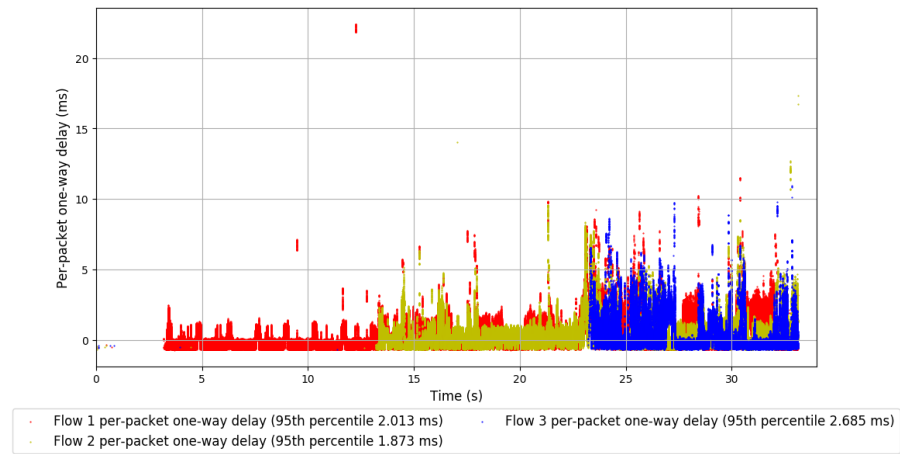
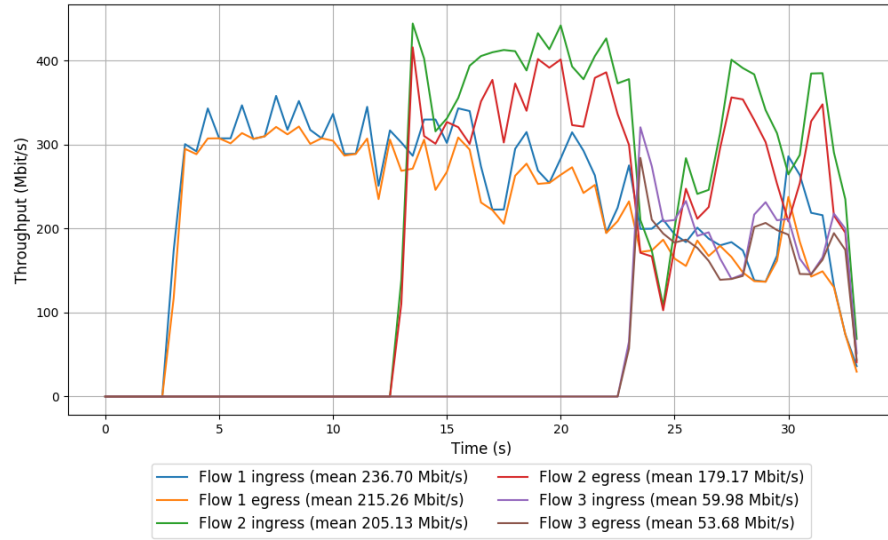
-- Flow 3:

Average throughput: 53.68 Mbit/s

95th percentile per-packet one-way delay: 2.685 ms

Loss rate: 10.59%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

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

End at: Tue, 04 Jul 2017 22:39:52 +0000

Local clock offset: 0.069 ms

Remote clock offset: -1.311 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:11:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 431.18 Mbit/s

95th percentile per-packet one-way delay: 2.577 ms

Loss rate: 11.38%

-- Flow 1:

Average throughput: 223.72 Mbit/s

95th percentile per-packet one-way delay: 2.252 ms

Loss rate: 9.65%

-- Flow 2:

Average throughput: 152.24 Mbit/s

95th percentile per-packet one-way delay: 2.508 ms

Loss rate: 11.80%

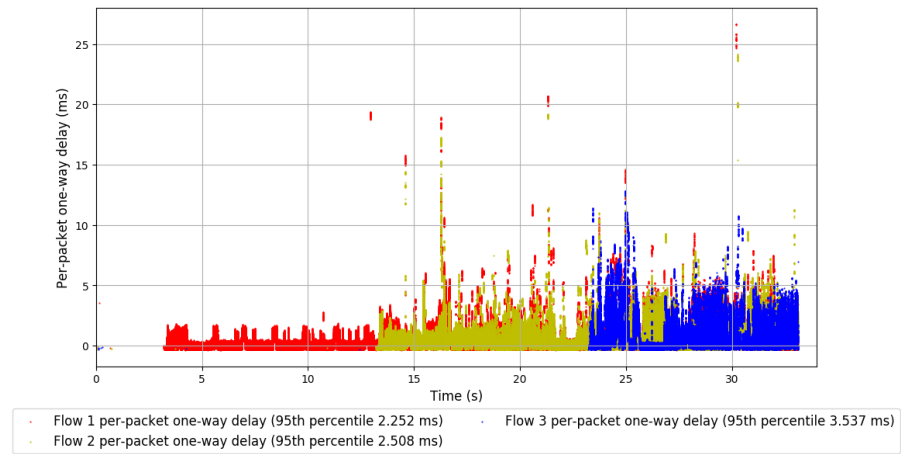
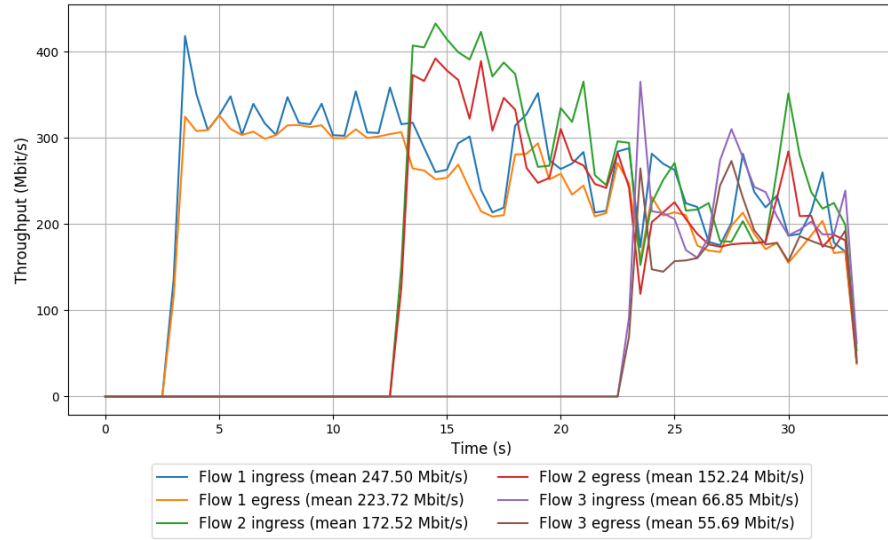
-- Flow 3:

Average throughput: 55.69 Mbit/s

95th percentile per-packet one-way delay: 3.537 ms

Loss rate: 16.72%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 22:59:59 +0000

End at: Tue, 04 Jul 2017 23:00:29 +0000

Local clock offset: -0.094 ms

Remote clock offset: -1.04 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:12:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 426.69 Mbit/s

95th percentile per-packet one-way delay: 3.090 ms

Loss rate: 12.39%

-- Flow 1:

Average throughput: 222.88 Mbit/s

95th percentile per-packet one-way delay: 2.719 ms

Loss rate: 10.87%

-- Flow 2:

Average throughput: 140.88 Mbit/s

95th percentile per-packet one-way delay: 3.174 ms

Loss rate: 13.11%

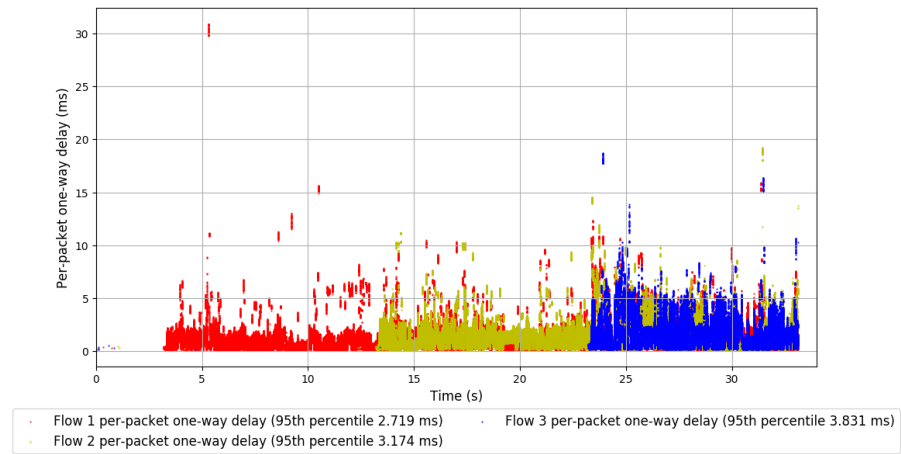
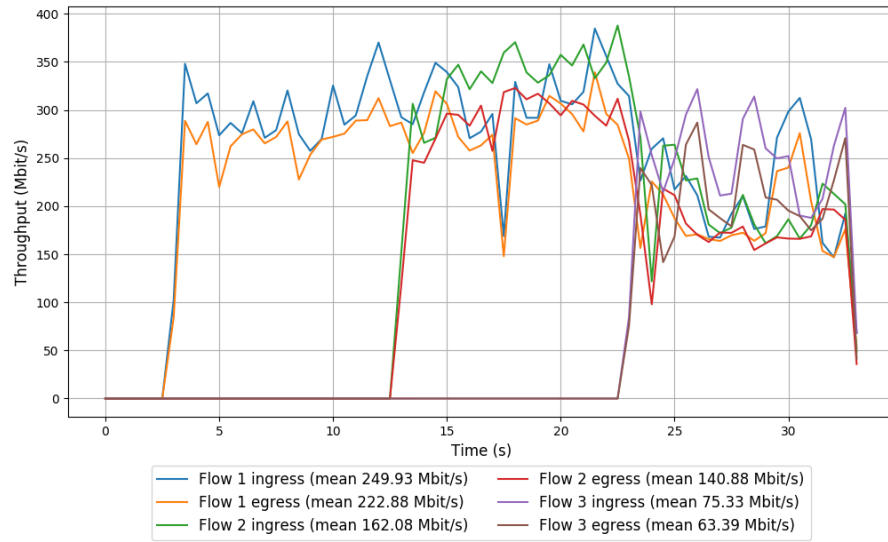
-- Flow 3:

Average throughput: 63.39 Mbit/s

95th percentile per-packet one-way delay: 3.831 ms

Loss rate: 15.90%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:20:49 +0000

End at: Tue, 04 Jul 2017 23:21:19 +0000

Local clock offset: -0.337 ms

Remote clock offset: -0.945 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:12:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 421.95 Mbit/s

95th percentile per-packet one-way delay: 3.107 ms

Loss rate: 11.34%

-- Flow 1:

Average throughput: 230.82 Mbit/s

95th percentile per-packet one-way delay: 2.630 ms

Loss rate: 10.97%

-- Flow 2:

Average throughput: 140.90 Mbit/s

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

Loss rate: 11.04%

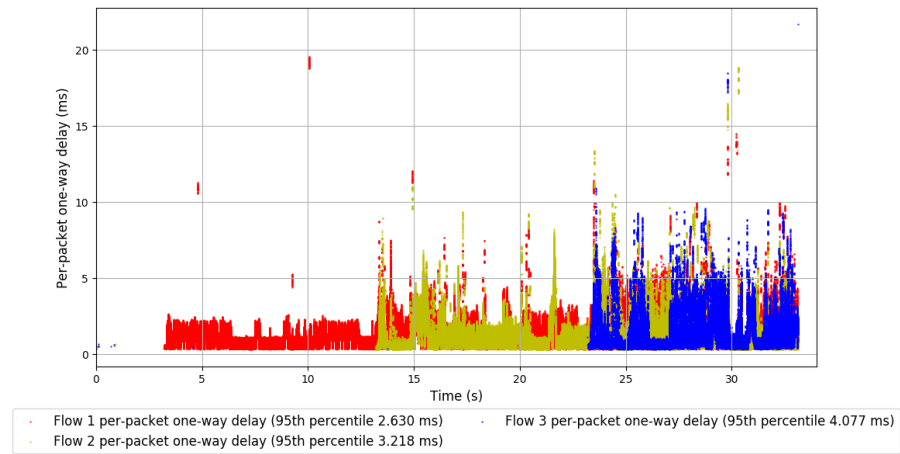
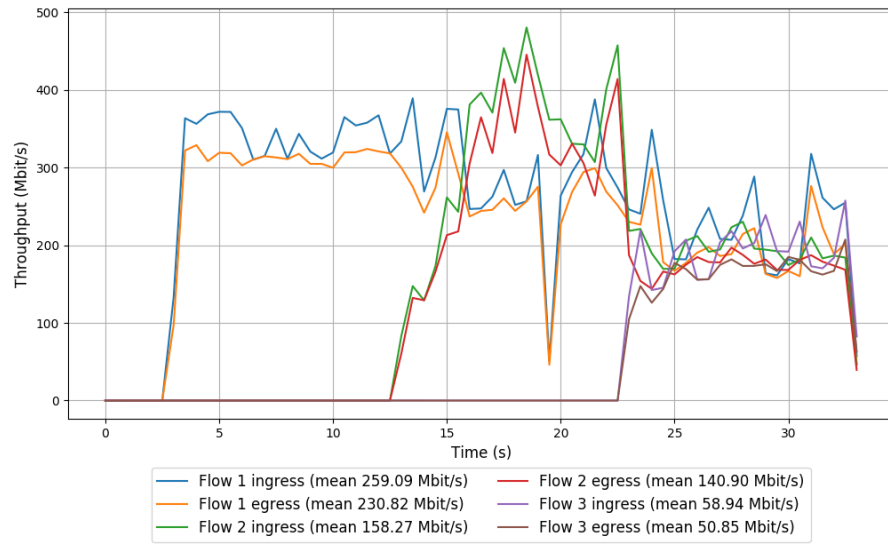
-- Flow 3:

Average throughput: 50.85 Mbit/s

95th percentile per-packet one-way delay: 4.077 ms

Loss rate: 13.73%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:41:30 +0000

End at: Tue, 04 Jul 2017 23:42:00 +0000

Local clock offset: -0.226 ms

Remote clock offset: -1.026 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 436.47 Mbit/s

95th percentile per-packet one-way delay: 2.714 ms

Loss rate: 10.36%

-- Flow 1:

Average throughput: 235.24 Mbit/s

95th percentile per-packet one-way delay: 2.369 ms

Loss rate: 10.29%

-- Flow 2:

Average throughput: 144.87 Mbit/s

95th percentile per-packet one-way delay: 2.773 ms

Loss rate: 9.75%

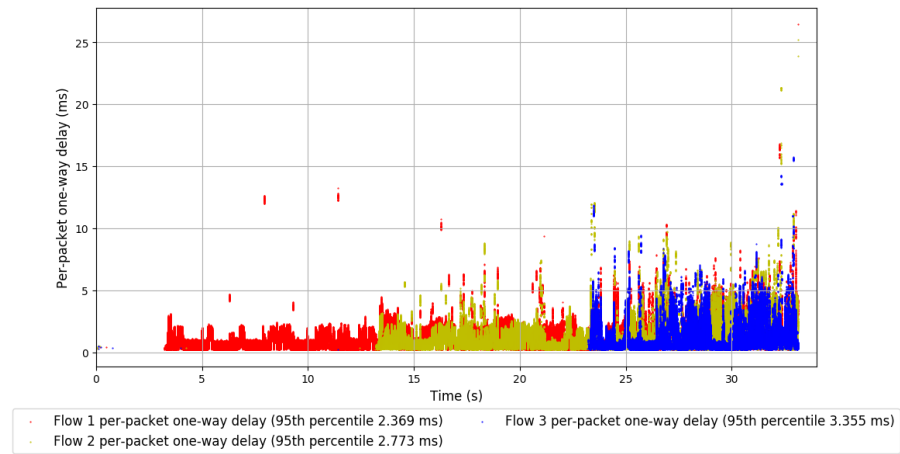
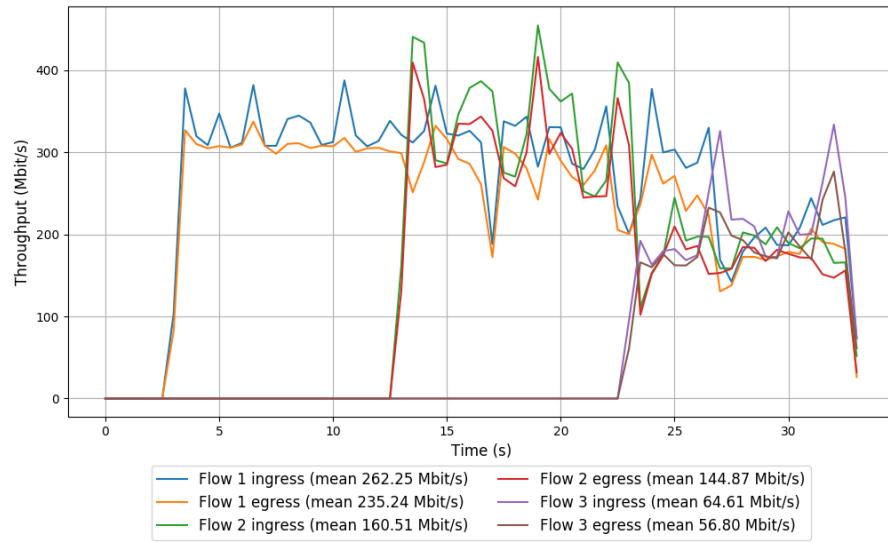
-- Flow 3:

Average throughput: 56.80 Mbit/s

95th percentile per-packet one-way delay: 3.355 ms

Loss rate: 12.14%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 00:02:20 +0000

End at: Wed, 05 Jul 2017 00:02:50 +0000

Local clock offset: -0.101 ms

Remote clock offset: -1.174 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:13:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 430.68 Mbit/s

95th percentile per-packet one-way delay: 2.850 ms

Loss rate: 11.66%

-- Flow 1:

Average throughput: 231.35 Mbit/s

95th percentile per-packet one-way delay: 2.369 ms

Loss rate: 10.37%

-- Flow 2:

Average throughput: 139.93 Mbit/s

95th percentile per-packet one-way delay: 2.846 ms

Loss rate: 11.33%

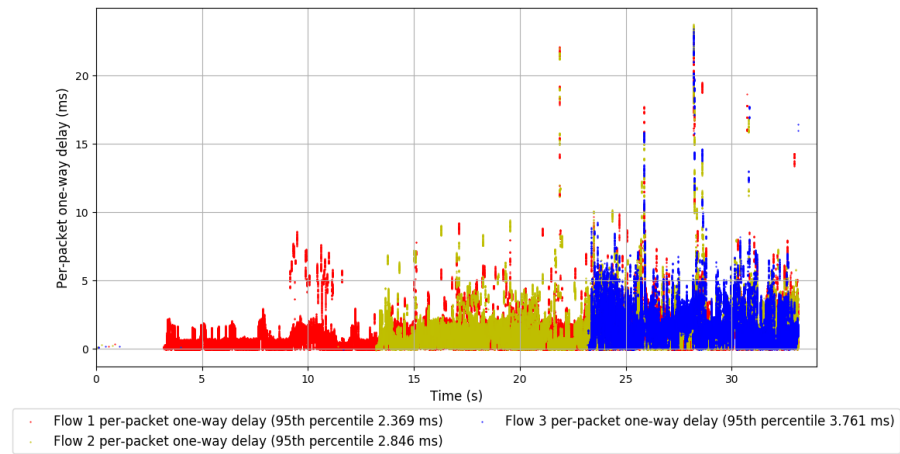
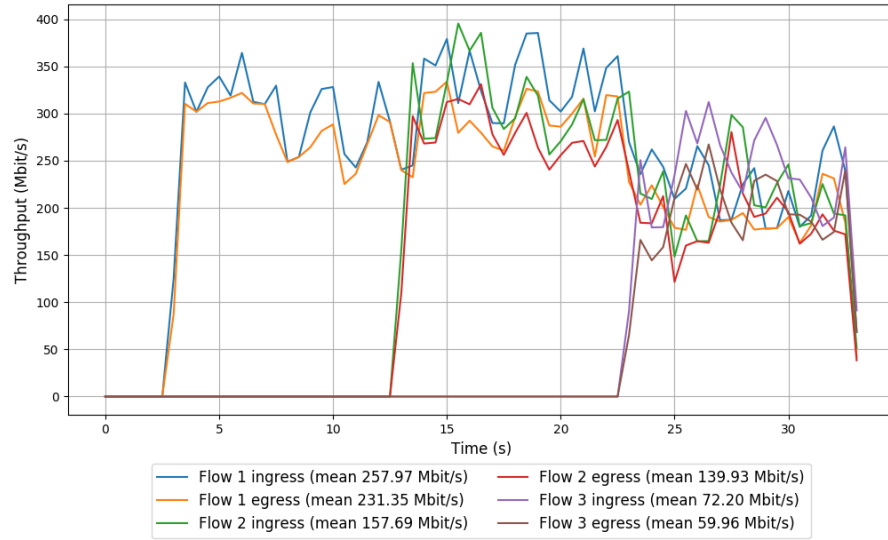
-- Flow 3:

Average throughput: 59.96 Mbit/s

95th percentile per-packet one-way delay: 3.761 ms

Loss rate: 16.98%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

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

End at: Wed, 05 Jul 2017 00:23:35 +0000

Local clock offset: 0.156 ms

Remote clock offset: -0.96 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 432.13 Mbit/s

95th percentile per-packet one-way delay: 2.863 ms

Loss rate: 12.23%

-- Flow 1:

Average throughput: 237.40 Mbit/s

95th percentile per-packet one-way delay: 2.332 ms

Loss rate: 11.42%

-- Flow 2:

Average throughput: 142.21 Mbit/s

95th percentile per-packet one-way delay: 2.911 ms

Loss rate: 12.92%

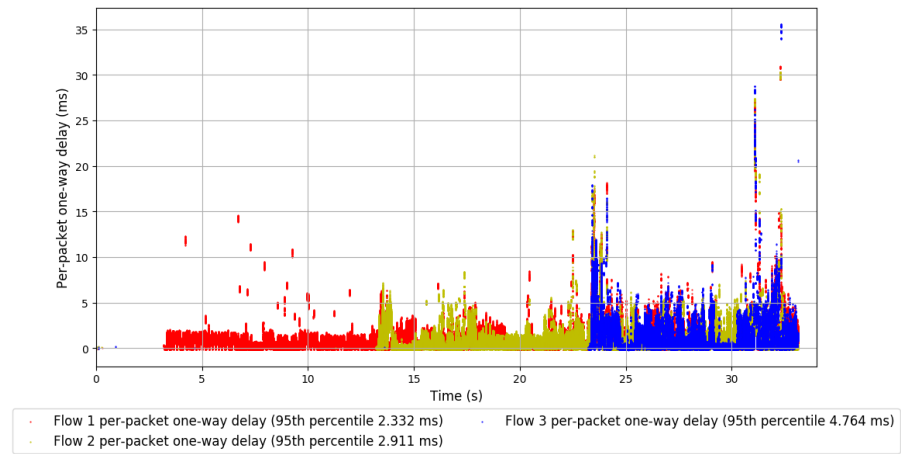
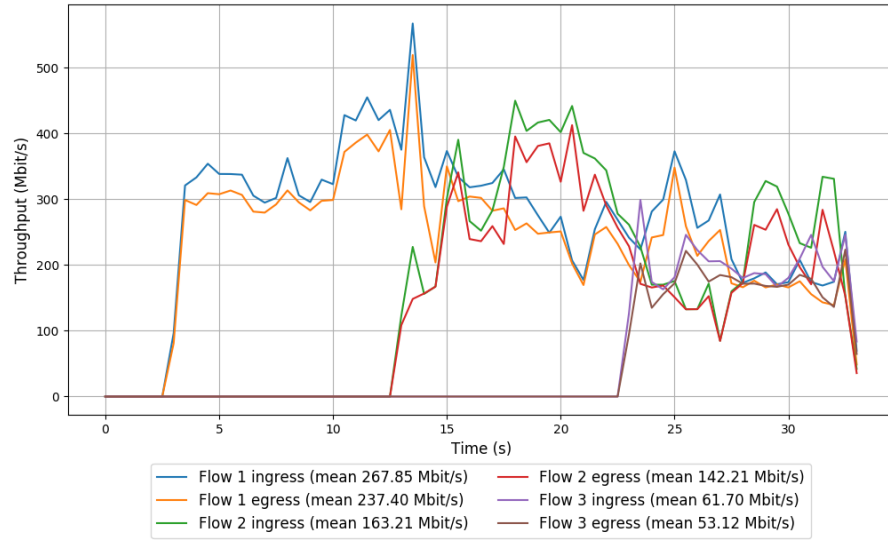
-- Flow 3:

Average throughput: 53.12 Mbit/s

95th percentile per-packet one-way delay: 4.764 ms

Loss rate: 13.91%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 00:43:38 +0000

End at: Wed, 05 Jul 2017 00:44:08 +0000

Local clock offset: 0.552 ms

Remote clock offset: -1.227 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:14:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 428.94 Mbit/s

95th percentile per-packet one-way delay: 2.001 ms

Loss rate: 10.47%

-- Flow 1:

Average throughput: 248.80 Mbit/s

95th percentile per-packet one-way delay: 1.446 ms

Loss rate: 10.83%

-- Flow 2:

Average throughput: 125.37 Mbit/s

95th percentile per-packet one-way delay: 2.212 ms

Loss rate: 8.49%

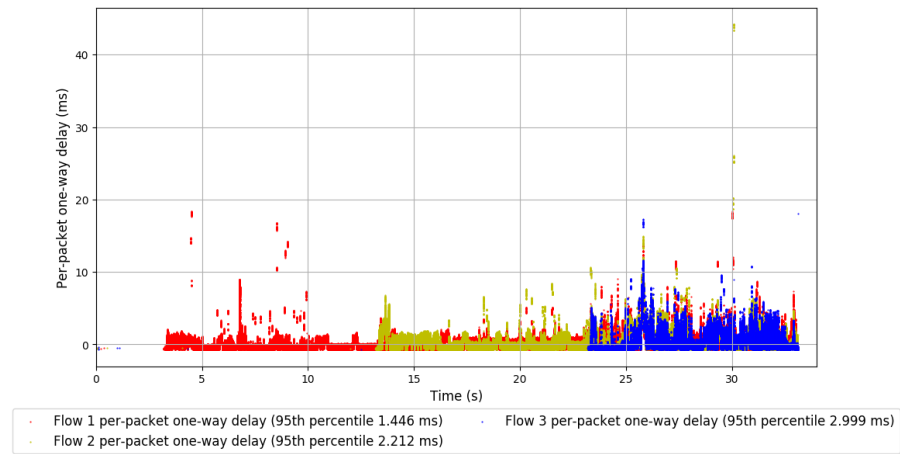
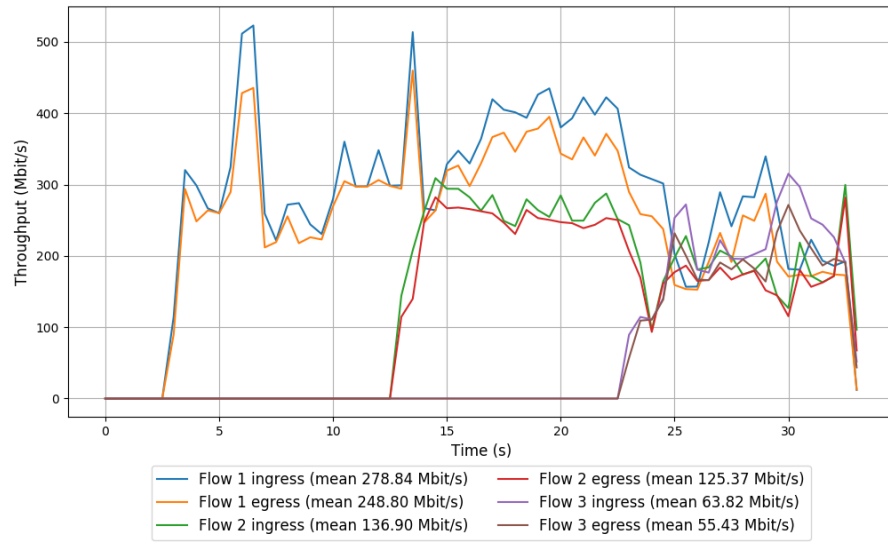
-- Flow 3:

Average throughput: 55.43 Mbit/s

95th percentile per-packet one-way delay: 2.999 ms

Loss rate: 13.17%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 01:04:15 +0000

End at: Wed, 05 Jul 2017 01:04:45 +0000

Local clock offset: 0.61 ms

Remote clock offset: -1.394 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:15:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 416.03 Mbit/s

95th percentile per-packet one-way delay: 1.889 ms

Loss rate: 11.06%

-- Flow 1:

Average throughput: 223.63 Mbit/s

95th percentile per-packet one-way delay: 1.499 ms

Loss rate: 9.99%

-- Flow 2:

Average throughput: 140.68 Mbit/s

95th percentile per-packet one-way delay: 1.825 ms

Loss rate: 11.11%

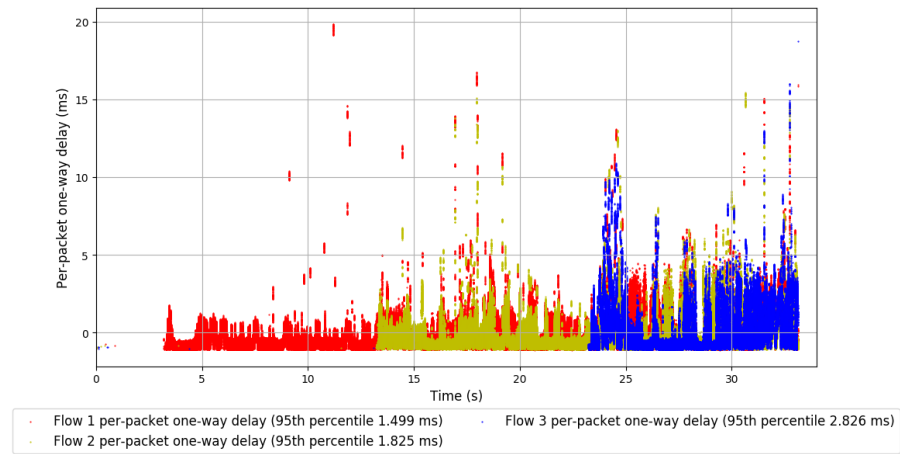
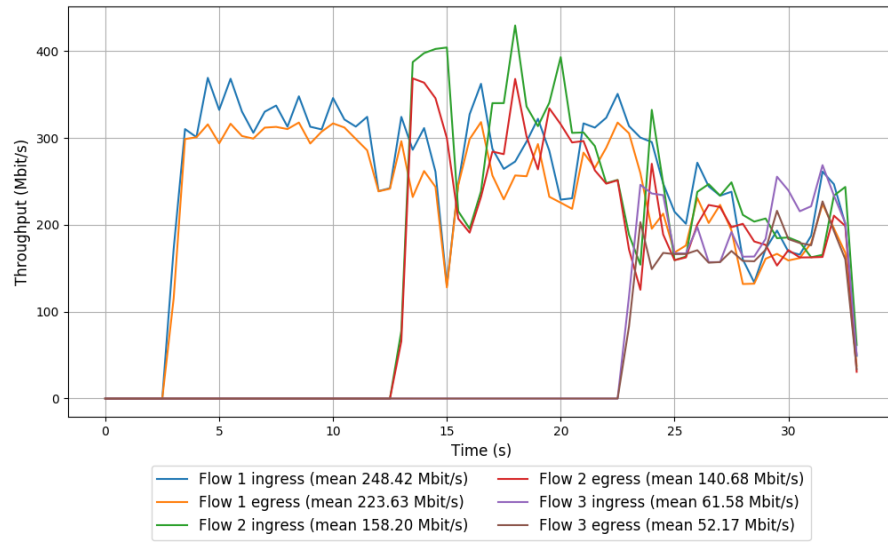
-- Flow 3:

Average throughput: 52.17 Mbit/s

95th percentile per-packet one-way delay: 2.826 ms

Loss rate: 15.29%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 01:24:57 +0000

End at: Wed, 05 Jul 2017 01:25:27 +0000

Local clock offset: 0.521 ms

Remote clock offset: -1.242 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:15:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 456.97 Mbit/s

95th percentile per-packet one-way delay: 2.000 ms

Loss rate: 10.91%

-- Flow 1:

Average throughput: 257.76 Mbit/s

95th percentile per-packet one-way delay: 1.528 ms

Loss rate: 10.35%

-- Flow 2:

Average throughput: 138.79 Mbit/s

95th percentile per-packet one-way delay: 2.127 ms

Loss rate: 11.11%

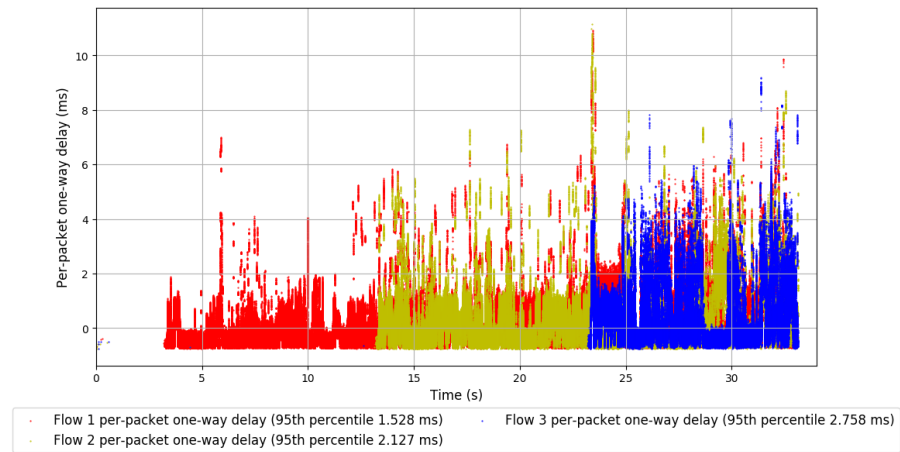
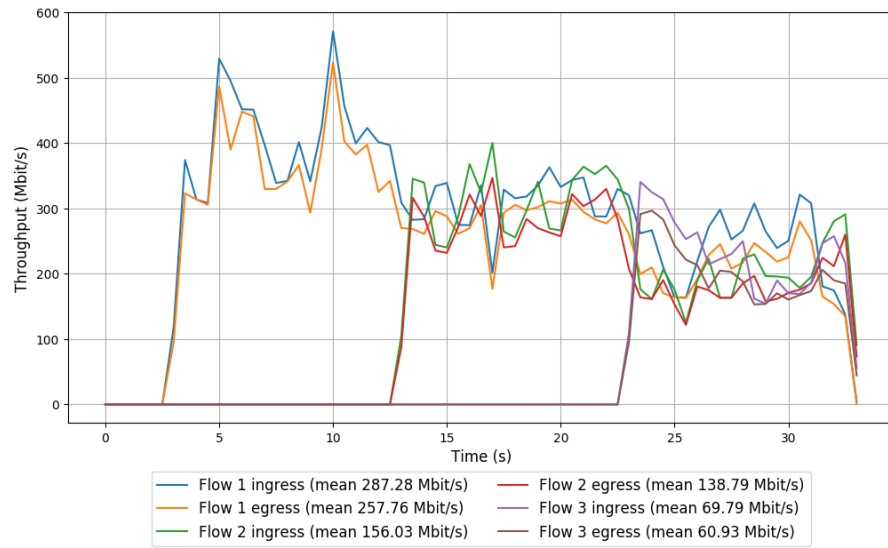
-- Flow 3:

Average throughput: 60.93 Mbit/s

95th percentile per-packet one-way delay: 2.758 ms

Loss rate: 12.75%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:16:53 +0000

End at: Tue, 04 Jul 2017 22:17:23 +0000

Local clock offset: -0.004 ms

Remote clock offset: -1.685 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:16:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 433.62 Mbit/s

95th percentile per-packet one-way delay: 6.314 ms

Loss rate: 45.87%

-- Flow 1:

Average throughput: 250.73 Mbit/s

95th percentile per-packet one-way delay: 6.078 ms

Loss rate: 47.96%

-- Flow 2:

Average throughput: 115.81 Mbit/s

95th percentile per-packet one-way delay: 7.349 ms

Loss rate: 44.64%

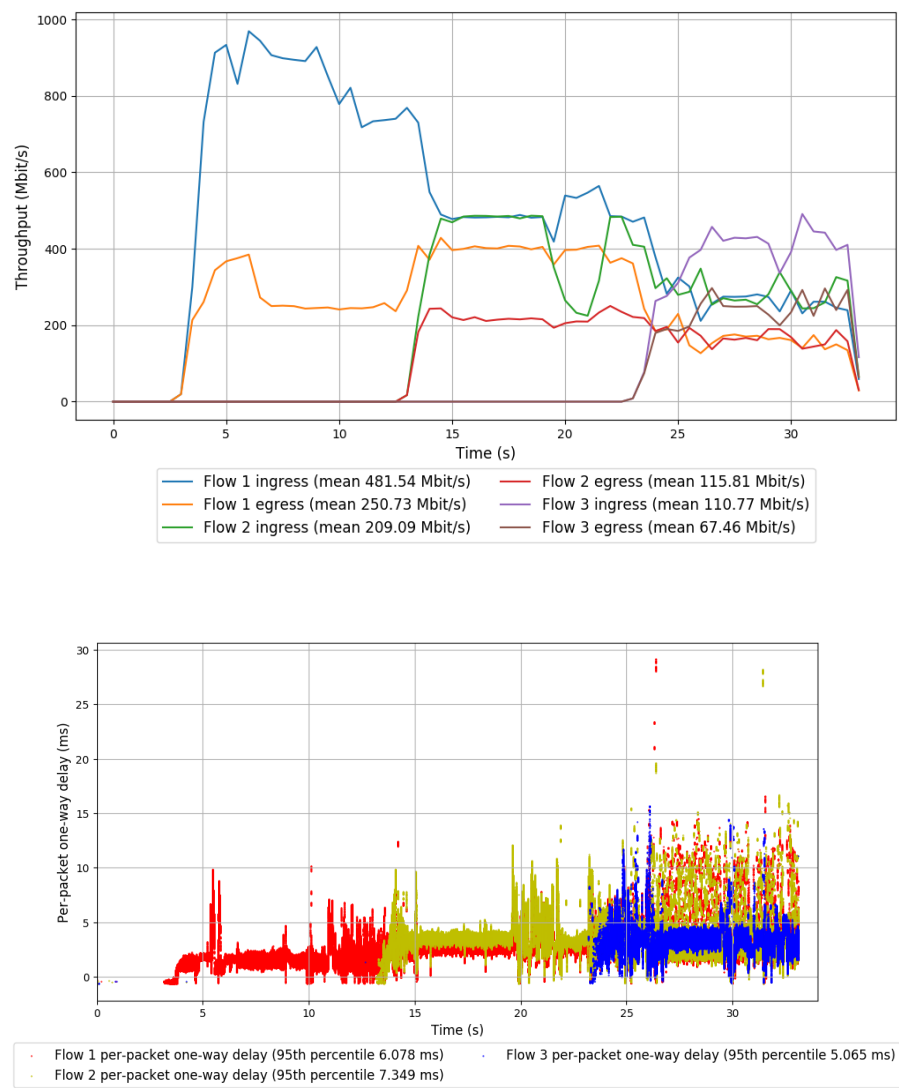
-- Flow 3:

Average throughput: 67.46 Mbit/s

95th percentile per-packet one-way delay: 5.065 ms

Loss rate: 39.13%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:37:33 +0000

End at: Tue, 04 Jul 2017 22:38:03 +0000

Local clock offset: 0.069 ms

Remote clock offset: -1.246 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:16:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 427.35 Mbit/s

95th percentile per-packet one-way delay: 6.215 ms

Loss rate: 46.13%

-- Flow 1:

Average throughput: 238.56 Mbit/s

95th percentile per-packet one-way delay: 5.776 ms

Loss rate: 48.78%

-- Flow 2:

Average throughput: 145.05 Mbit/s

95th percentile per-packet one-way delay: 6.272 ms

Loss rate: 43.59%

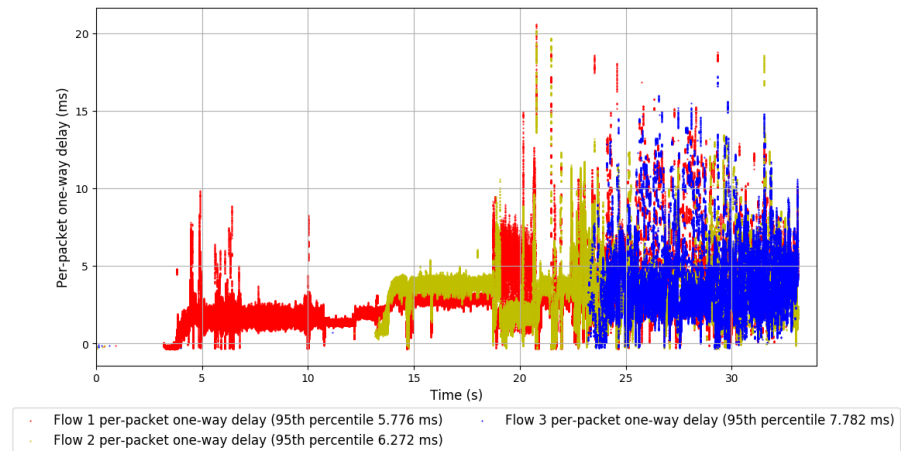
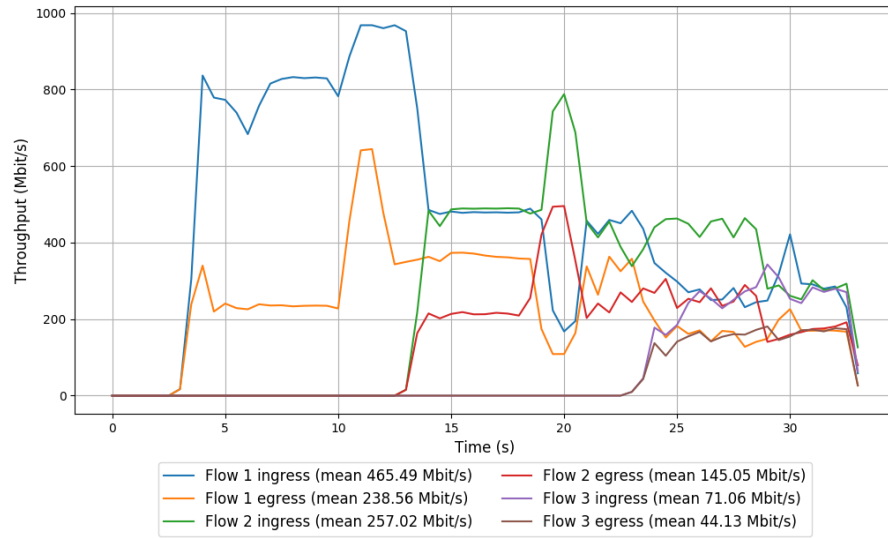
-- Flow 3:

Average throughput: 44.13 Mbit/s

95th percentile per-packet one-way delay: 7.782 ms

Loss rate: 37.93%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:58:09 +0000

End at: Tue, 04 Jul 2017 22:58:39 +0000

Local clock offset: -0.079 ms

Remote clock offset: -1.042 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 432.98 Mbit/s

95th percentile per-packet one-way delay: 5.932 ms

Loss rate: 48.11%

-- Flow 1:

Average throughput: 251.13 Mbit/s

95th percentile per-packet one-way delay: 5.338 ms

Loss rate: 49.94%

-- Flow 2:

Average throughput: 124.21 Mbit/s

95th percentile per-packet one-way delay: 6.182 ms

Loss rate: 47.98%

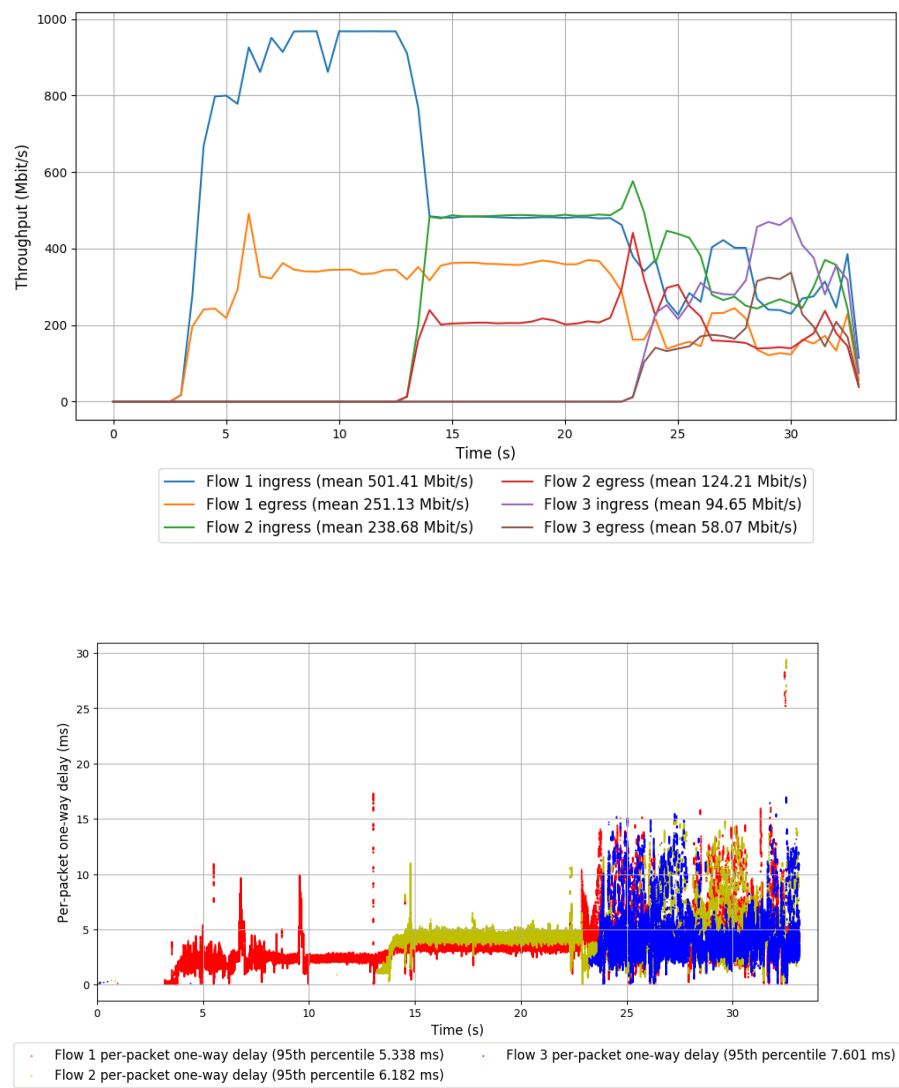
-- Flow 3:

Average throughput: 58.07 Mbit/s

95th percentile per-packet one-way delay: 7.601 ms

Loss rate: 38.68%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

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

End at: Tue, 04 Jul 2017 23:19:30 +0000

Local clock offset: -0.302 ms

Remote clock offset: -1.031 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 445.18 Mbit/s

95th percentile per-packet one-way delay: 7.453 ms

Loss rate: 43.83%

-- Flow 1:

Average throughput: 217.21 Mbit/s

95th percentile per-packet one-way delay: 7.815 ms

Loss rate: 50.82%

-- Flow 2:

Average throughput: 166.19 Mbit/s

95th percentile per-packet one-way delay: 7.435 ms

Loss rate: 32.33%

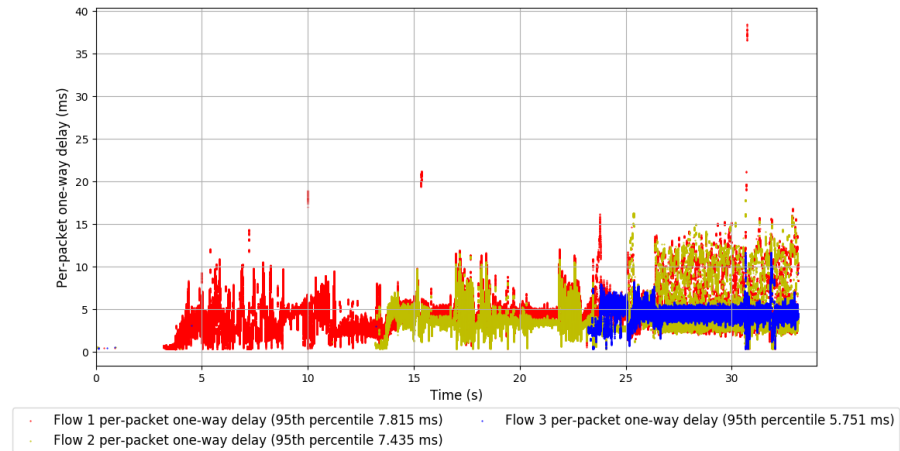
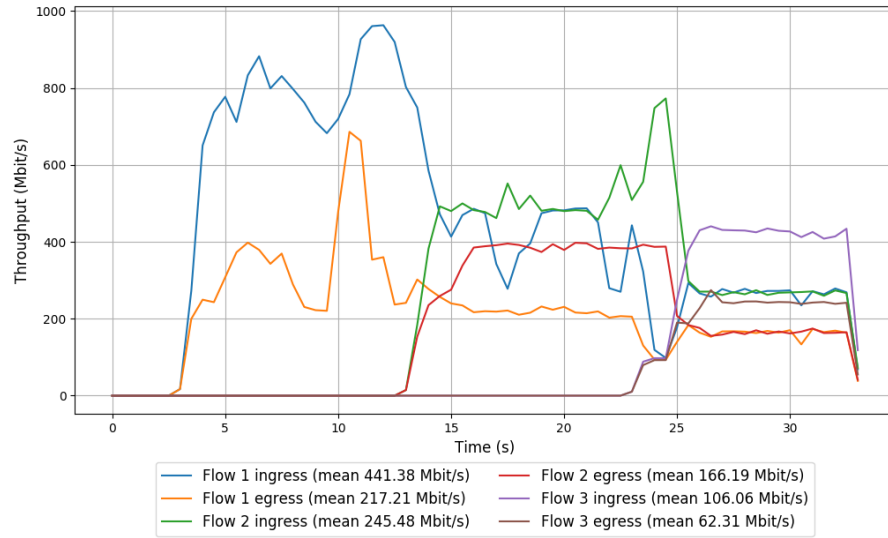
-- Flow 3:

Average throughput: 62.31 Mbit/s

95th percentile per-packet one-way delay: 5.751 ms

Loss rate: 41.28%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 23:39:43 +0000

End at: Tue, 04 Jul 2017 23:40:13 +0000

Local clock offset: -0.326 ms

Remote clock offset: -1.076 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:19:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 402.40 Mbit/s

95th percentile per-packet one-way delay: 7.642 ms

Loss rate: 47.70%

-- Flow 1:

Average throughput: 230.62 Mbit/s

95th percentile per-packet one-way delay: 6.405 ms

Loss rate: 53.28%

-- Flow 2:

Average throughput: 129.24 Mbit/s

95th percentile per-packet one-way delay: 8.433 ms

Loss rate: 37.67%

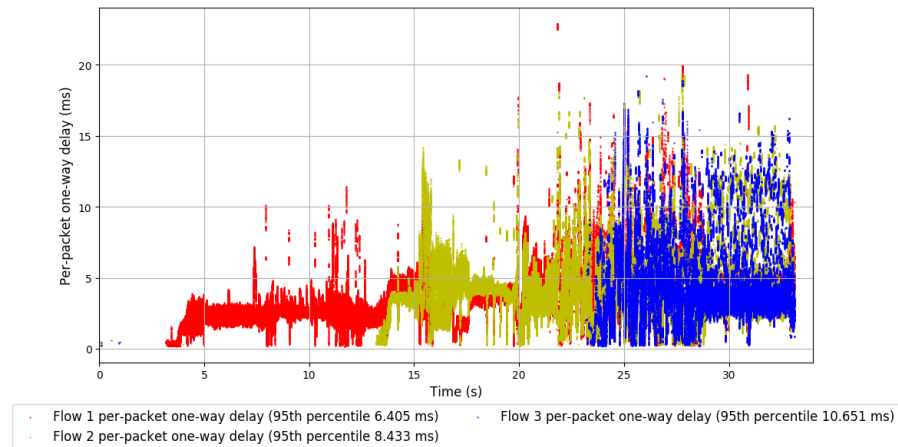
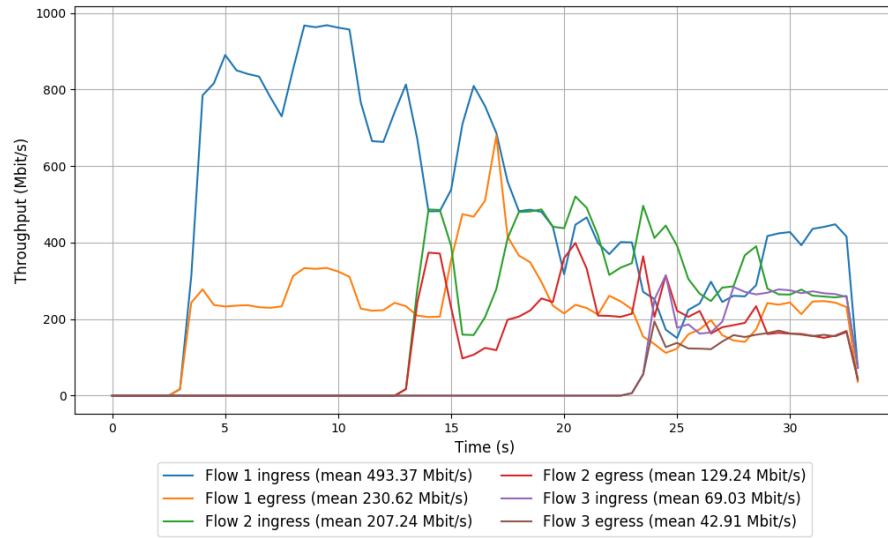
-- Flow 3:

Average throughput: 42.91 Mbit/s

95th percentile per-packet one-way delay: 10.651 ms

Loss rate: 37.88%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

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

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

Local clock offset: -0.093 ms

Remote clock offset: -1.148 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:19:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 444.52 Mbit/s

95th percentile per-packet one-way delay: 6.831 ms

Loss rate: 45.22%

-- Flow 1:

Average throughput: 285.53 Mbit/s

95th percentile per-packet one-way delay: 6.131 ms

Loss rate: 45.13%

-- Flow 2:

Average throughput: 114.35 Mbit/s

95th percentile per-packet one-way delay: 7.429 ms

Loss rate: 46.97%

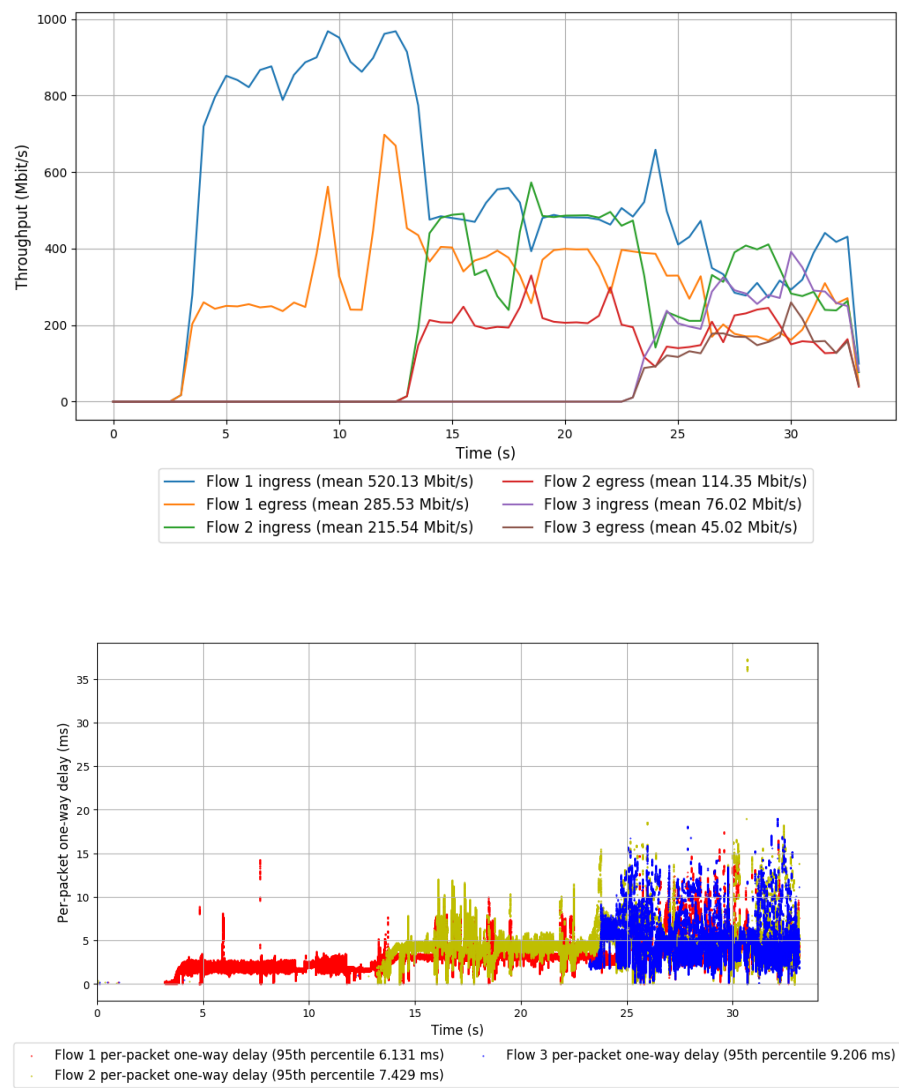
-- Flow 3:

Average throughput: 45.02 Mbit/s

95th percentile per-packet one-way delay: 9.206 ms

Loss rate: 40.81%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 00:21:15 +0000

End at: Wed, 05 Jul 2017 00:21:45 +0000

Local clock offset: 0.08 ms

Remote clock offset: -1.02 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:20:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 440.98 Mbit/s

95th percentile per-packet one-way delay: 5.717 ms

Loss rate: 45.88%

-- Flow 1:

Average throughput: 254.25 Mbit/s

95th percentile per-packet one-way delay: 5.126 ms

Loss rate: 45.46%

-- Flow 2:

Average throughput: 130.36 Mbit/s

95th percentile per-packet one-way delay: 6.122 ms

Loss rate: 47.92%

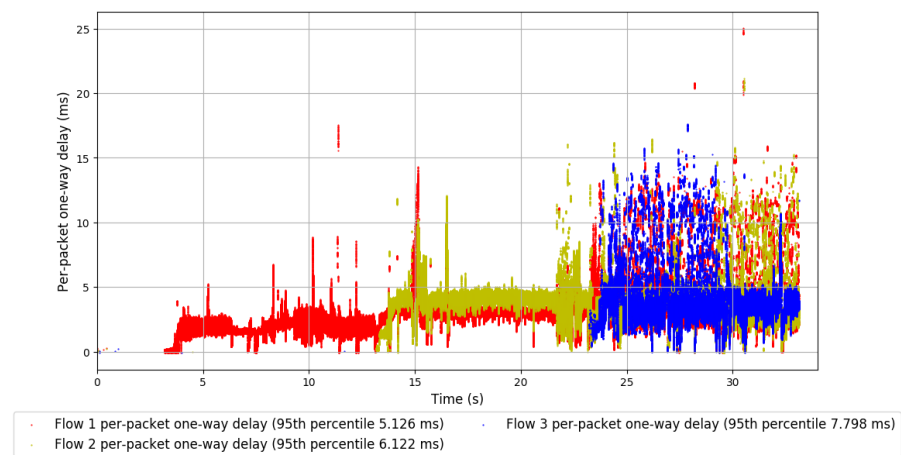
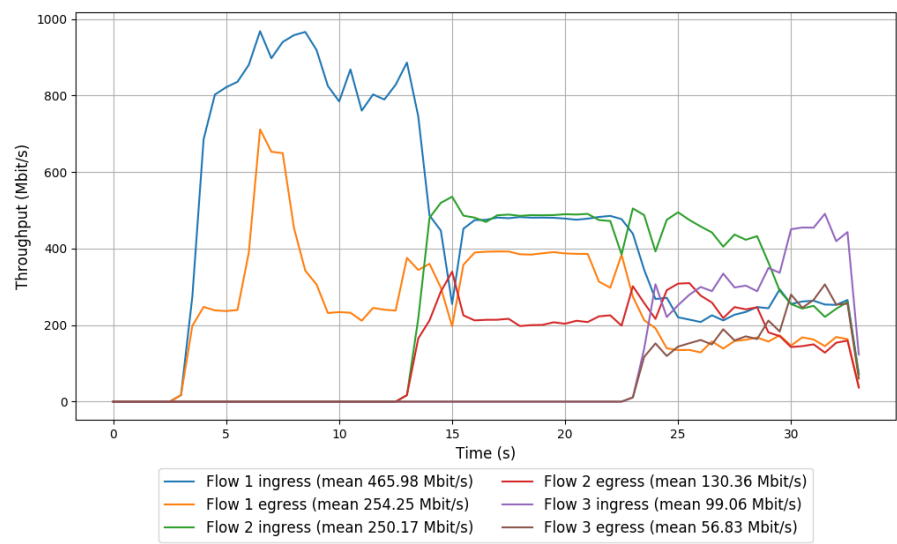
-- Flow 3:

Average throughput: 56.83 Mbit/s

95th percentile per-packet one-way delay: 7.798 ms

Loss rate: 42.65%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 00:41:49 +0000

End at: Wed, 05 Jul 2017 00:42:19 +0000

Local clock offset: 0.456 ms

Remote clock offset: -1.136 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:20:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 434.03 Mbit/s

95th percentile per-packet one-way delay: 5.966 ms

Loss rate: 46.95%

-- Flow 1:

Average throughput: 240.98 Mbit/s

95th percentile per-packet one-way delay: 5.279 ms

Loss rate: 52.18%

-- Flow 2:

Average throughput: 138.83 Mbit/s

95th percentile per-packet one-way delay: 6.613 ms

Loss rate: 38.36%

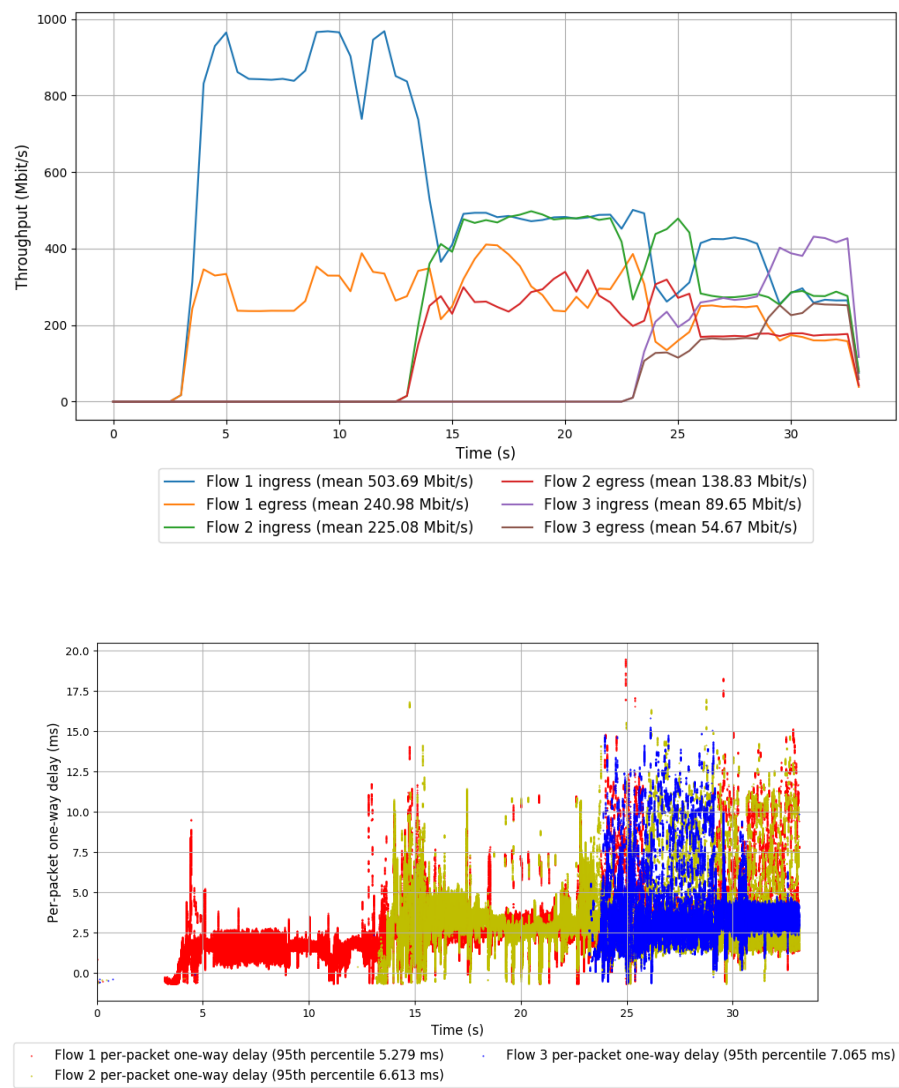
-- Flow 3:

Average throughput: 54.67 Mbit/s

95th percentile per-packet one-way delay: 7.065 ms

Loss rate: 39.04%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 01:02:24 +0000

End at: Wed, 05 Jul 2017 01:02:54 +0000

Local clock offset: 0.708 ms

Remote clock offset: -1.469 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:21:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 466.65 Mbit/s

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

Loss rate: 43.35%

-- Flow 1:

Average throughput: 230.84 Mbit/s

95th percentile per-packet one-way delay: 4.127 ms

Loss rate: 48.27%

-- Flow 2:

Average throughput: 184.80 Mbit/s

95th percentile per-packet one-way delay: 3.604 ms

Loss rate: 35.69%

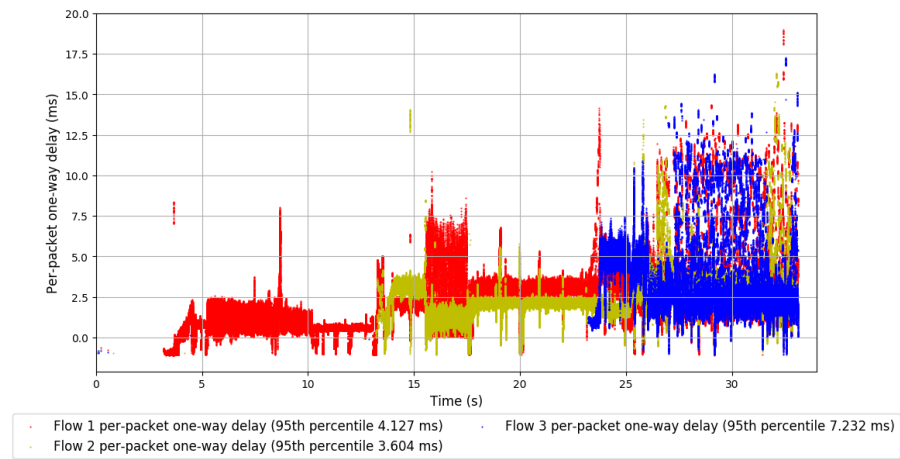
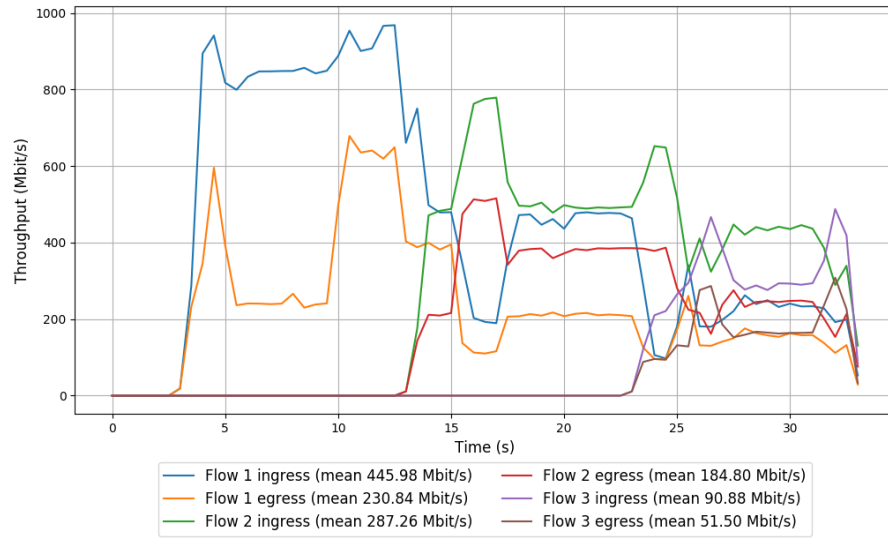
-- Flow 3:

Average throughput: 51.50 Mbit/s

95th percentile per-packet one-way delay: 7.232 ms

Loss rate: 43.37%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 01:23:07 +0000

End at: Wed, 05 Jul 2017 01:23:37 +0000

Local clock offset: 0.548 ms

Remote clock offset: -1.351 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:21:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 436.79 Mbit/s

95th percentile per-packet one-way delay: 5.105 ms

Loss rate: 48.04%

-- Flow 1:

Average throughput: 240.51 Mbit/s

95th percentile per-packet one-way delay: 4.814 ms

Loss rate: 50.53%

-- Flow 2:

Average throughput: 139.48 Mbit/s

95th percentile per-packet one-way delay: 5.098 ms

Loss rate: 45.11%

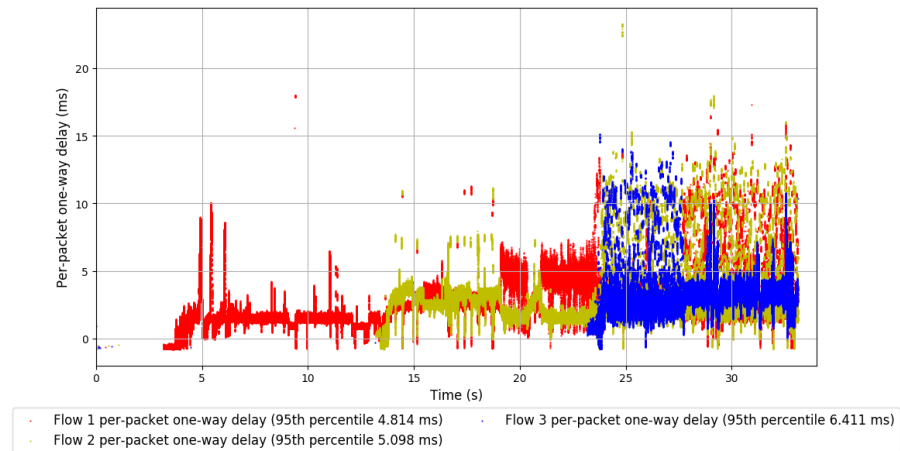
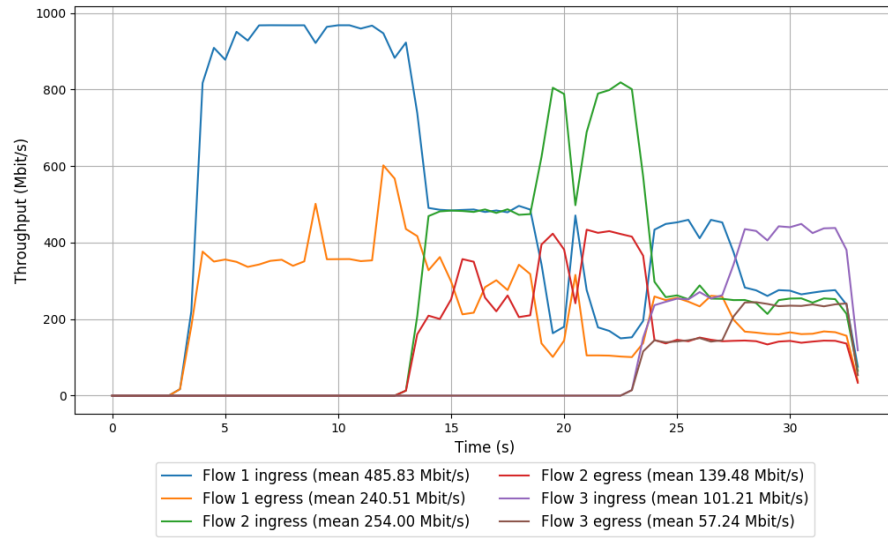
-- Flow 3:

Average throughput: 57.24 Mbit/s

95th percentile per-packet one-way delay: 6.411 ms

Loss rate: 43.47%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:08:09 +0000

End at: Tue, 04 Jul 2017 22:08:39 +0000

Local clock offset: -0.079 ms

Remote clock offset: -1.523 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 133.84 Mbit/s

95th percentile per-packet one-way delay: -0.247 ms

Loss rate: 1.42%

-- Flow 1:

Average throughput: 69.62 Mbit/s

95th percentile per-packet one-way delay: -0.208 ms

Loss rate: 2.51%

-- Flow 2:

Average throughput: 44.85 Mbit/s

95th percentile per-packet one-way delay: -0.279 ms

Loss rate: 0.19%

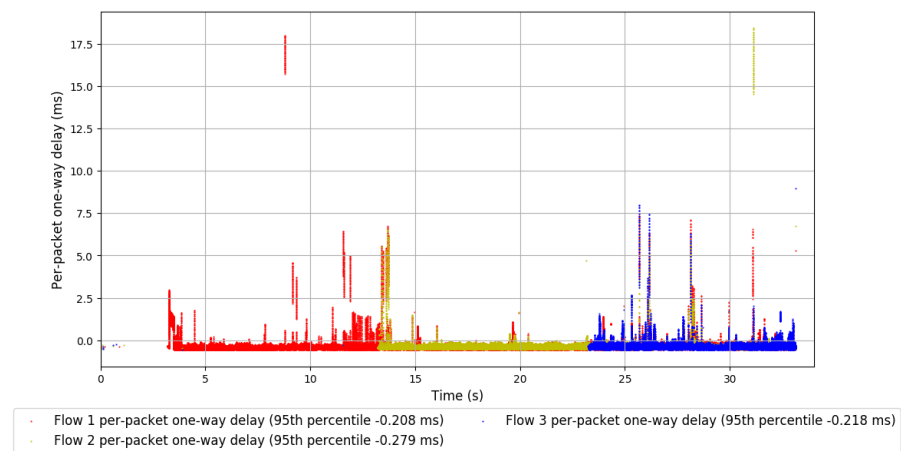
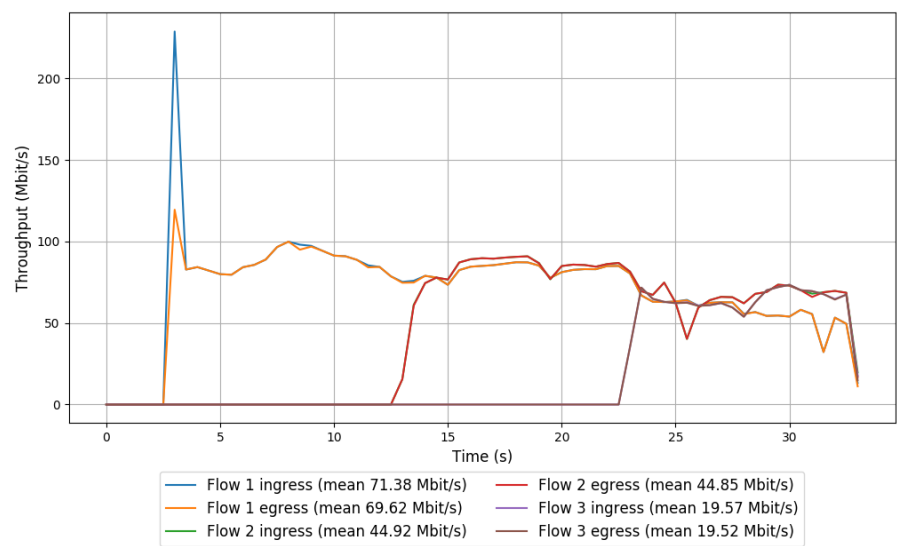
-- Flow 3:

Average throughput: 19.52 Mbit/s

95th percentile per-packet one-way delay: -0.218 ms

Loss rate: 0.29%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:28:55 +0000

End at: Tue, 04 Jul 2017 22:29:25 +0000

Local clock offset: -0.04 ms

Remote clock offset: -1.508 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 123.50 Mbit/s

95th percentile per-packet one-way delay: -0.250 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 63.61 Mbit/s

95th percentile per-packet one-way delay: -0.267 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 44.58 Mbit/s

95th percentile per-packet one-way delay: -0.260 ms

Loss rate: 0.23%

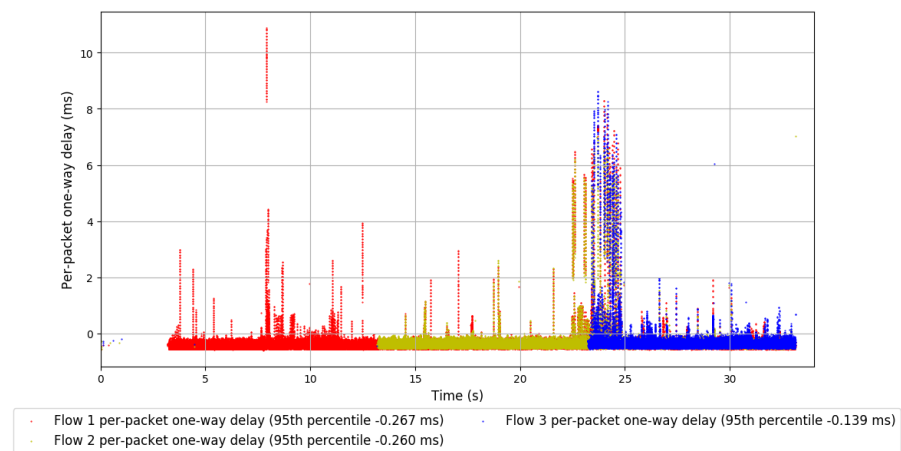
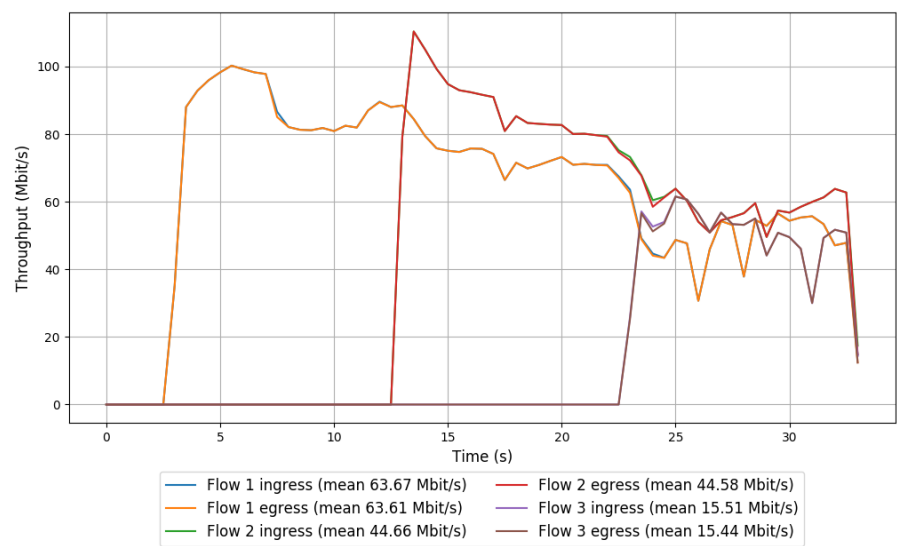
-- Flow 3:

Average throughput: 15.44 Mbit/s

95th percentile per-packet one-way delay: -0.139 ms

Loss rate: 0.49%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:49:36 +0000

End at: Tue, 04 Jul 2017 22:50:06 +0000

Local clock offset: -0.07 ms

Remote clock offset: -1.193 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:22:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 122.31 Mbit/s

95th percentile per-packet one-way delay: 0.068 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 66.03 Mbit/s

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

Loss rate: 0.34%

-- Flow 2:

Average throughput: 40.01 Mbit/s

95th percentile per-packet one-way delay: 0.104 ms

Loss rate: 0.60%

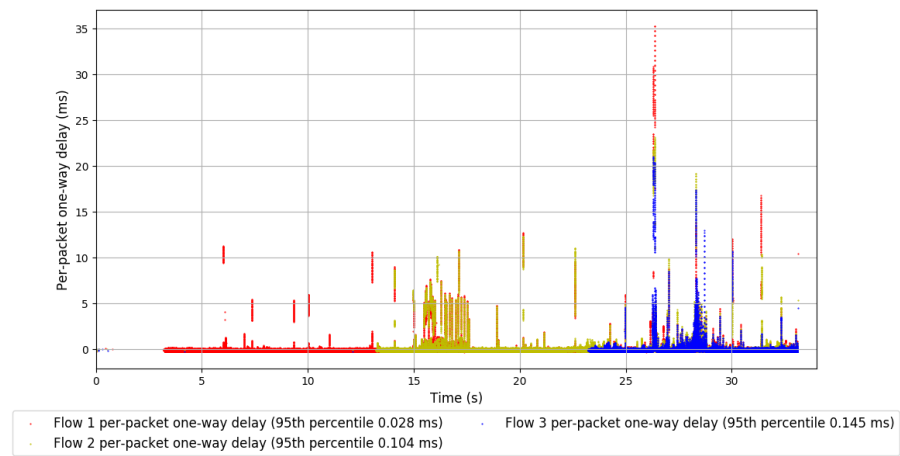
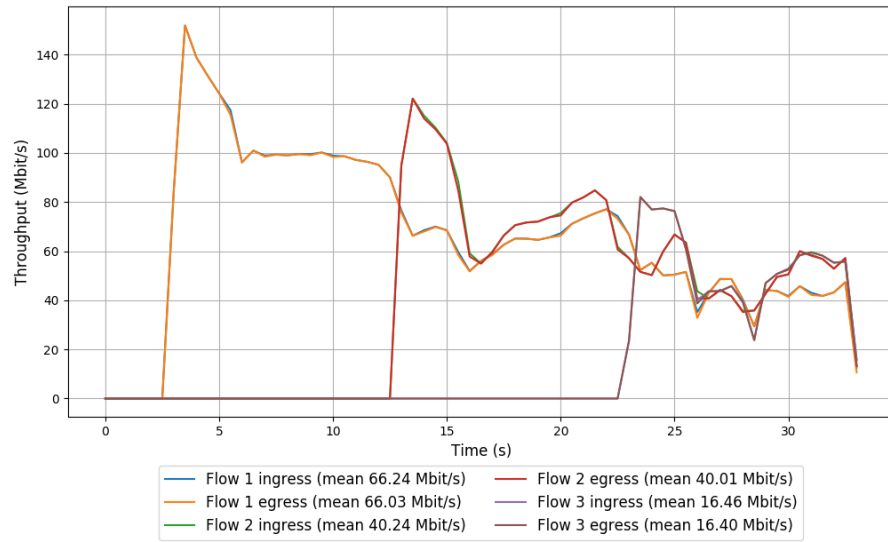
-- Flow 3:

Average throughput: 16.40 Mbit/s

95th percentile per-packet one-way delay: 0.145 ms

Loss rate: 0.45%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

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

End at: Tue, 04 Jul 2017 23:10:53 +0000

Local clock offset: -0.291 ms

Remote clock offset: -0.822 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:22:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.83 Mbit/s

95th percentile per-packet one-way delay: 0.596 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 75.81 Mbit/s

95th percentile per-packet one-way delay: 0.586 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.534 ms

Loss rate: 0.00%

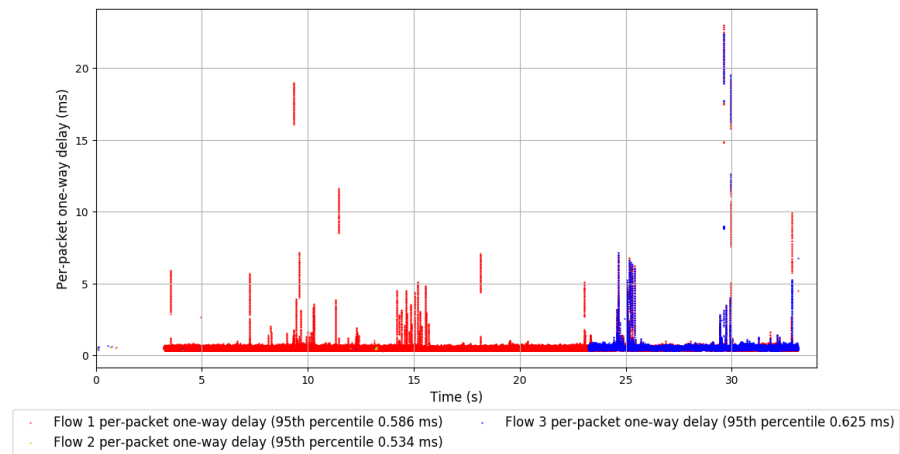
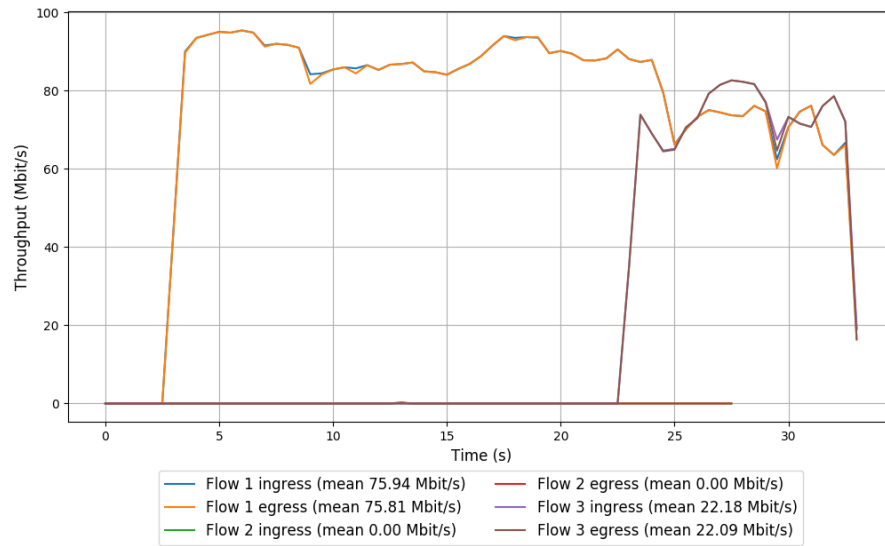
-- Flow 3:

Average throughput: 22.09 Mbit/s

95th percentile per-packet one-way delay: 0.625 ms

Loss rate: 0.43%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Tue, 04 Jul 2017 23:31:08 +0000

End at: Tue, 04 Jul 2017 23:31:38 +0000

Local clock offset: -0.3 ms

Remote clock offset: -1.047 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:23:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.36 Mbit/s

95th percentile per-packet one-way delay: 0.523 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 70.94 Mbit/s

95th percentile per-packet one-way delay: 0.531 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 47.35 Mbit/s

95th percentile per-packet one-way delay: 0.497 ms

Loss rate: 0.16%

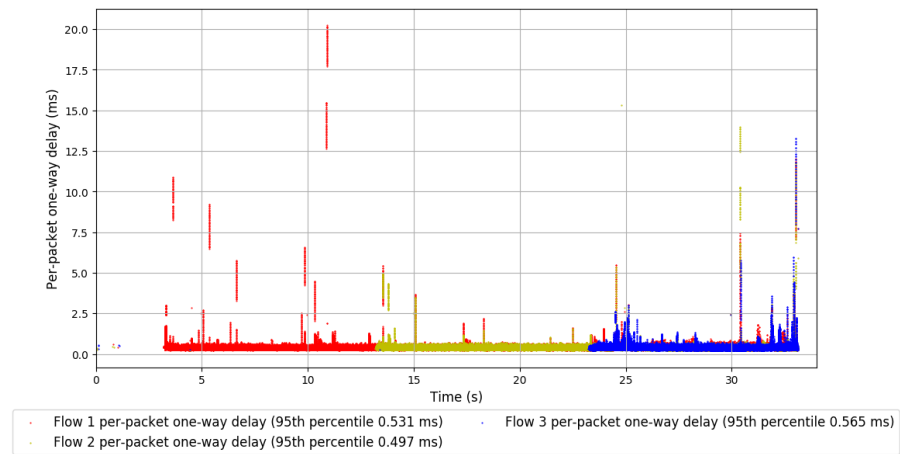
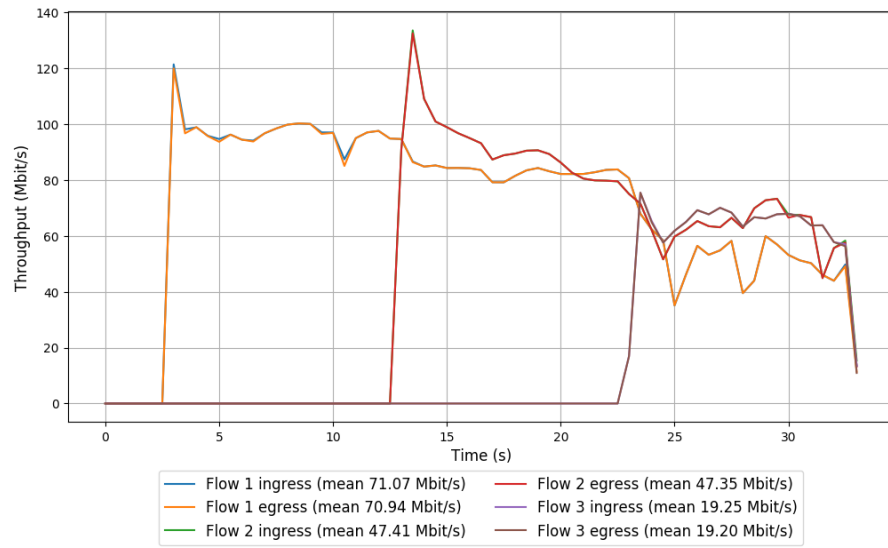
-- Flow 3:

Average throughput: 19.20 Mbit/s

95th percentile per-packet one-way delay: 0.565 ms

Loss rate: 0.30%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Tue, 04 Jul 2017 23:51:51 +0000

End at: Tue, 04 Jul 2017 23:52:22 +0000

Local clock offset: -0.238 ms

Remote clock offset: -1.018 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:23:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 132.44 Mbit/s

95th percentile per-packet one-way delay: 0.479 ms

Loss rate: 0.49%

-- Flow 1:

Average throughput: 68.93 Mbit/s

95th percentile per-packet one-way delay: 0.450 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 43.55 Mbit/s

95th percentile per-packet one-way delay: 0.500 ms

Loss rate: 0.49%

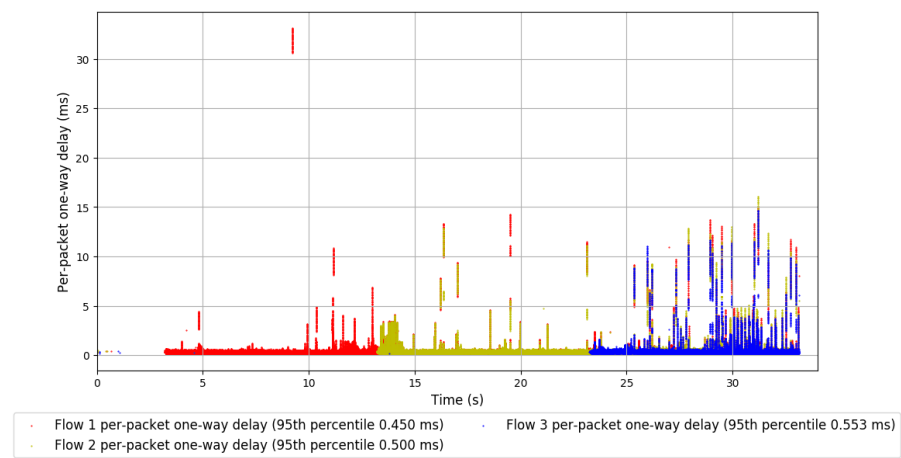
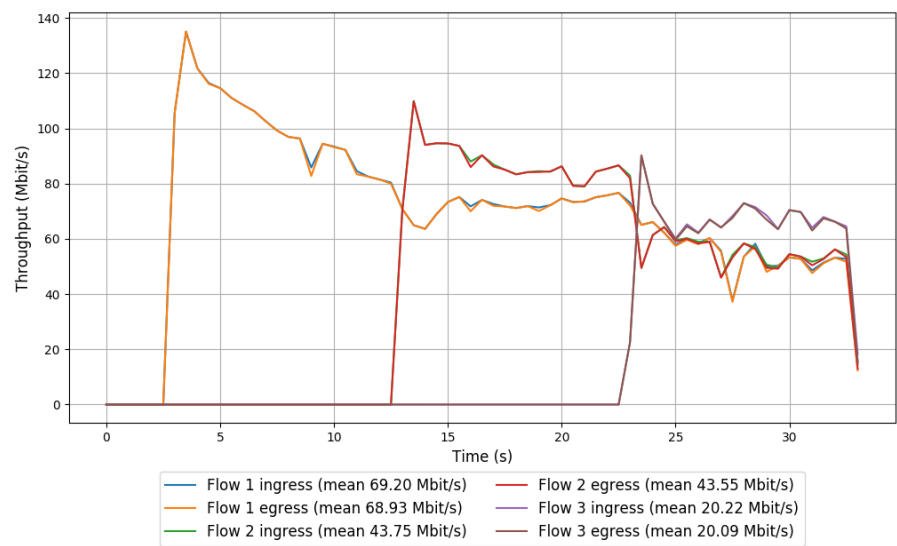
-- Flow 3:

Average throughput: 20.09 Mbit/s

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

Loss rate: 0.70%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Wed, 05 Jul 2017 00:12:40 +0000

End at: Wed, 05 Jul 2017 00:13:10 +0000

Local clock offset: -0.009 ms

Remote clock offset: -1.131 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:23:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 98.41 Mbit/s

95th percentile per-packet one-way delay: 0.184 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 74.43 Mbit/s

95th percentile per-packet one-way delay: 0.160 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.100 ms

Loss rate: 0.00%

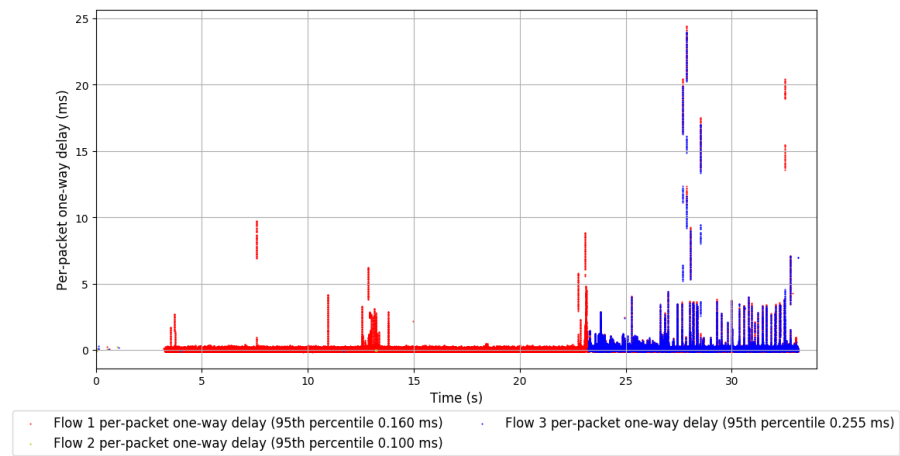
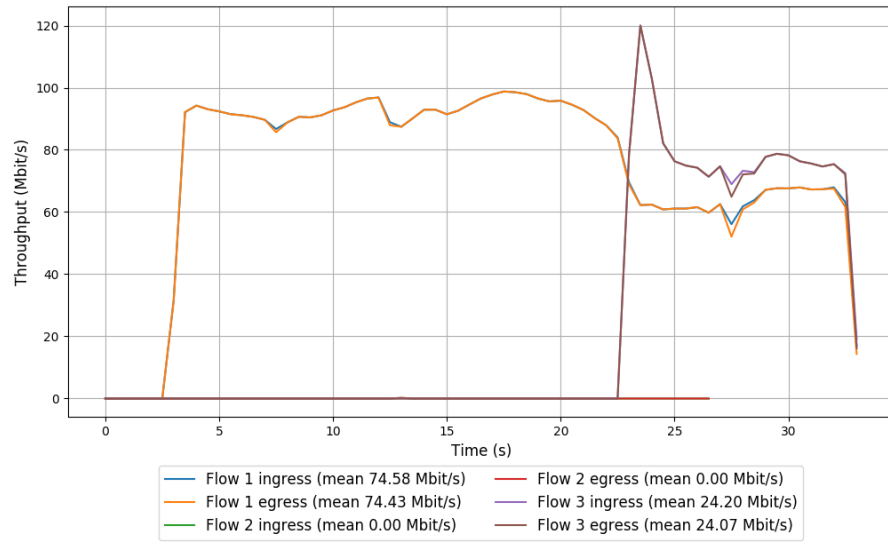
-- Flow 3:

Average throughput: 24.07 Mbit/s

95th percentile per-packet one-way delay: 0.255 ms

Loss rate: 0.56%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

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

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

Local clock offset: 0.386 ms

Remote clock offset: -1.061 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:23:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.10 Mbit/s

95th percentile per-packet one-way delay: -0.098 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 51.59 Mbit/s

95th percentile per-packet one-way delay: -0.048 ms

Loss rate: 1.55%

-- Flow 2:

Average throughput: 33.62 Mbit/s

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

Loss rate: 0.37%

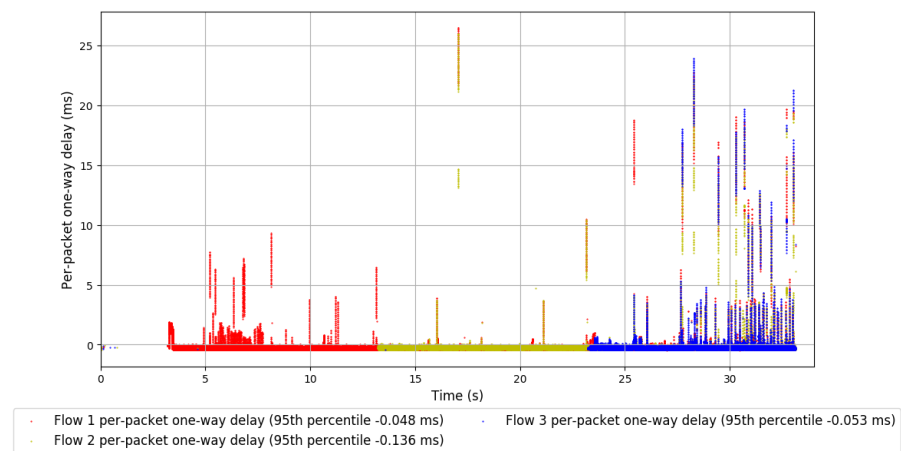
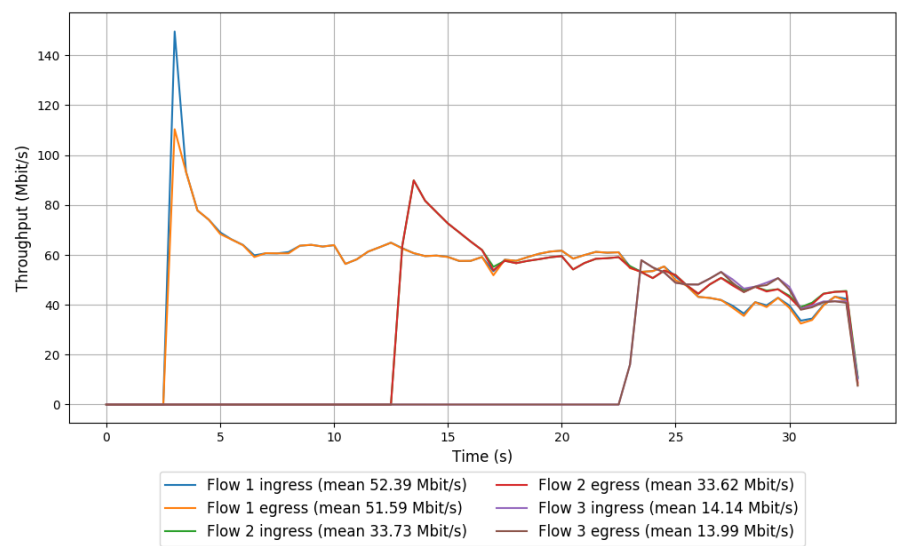
-- Flow 3:

Average throughput: 13.99 Mbit/s

95th percentile per-packet one-way delay: -0.053 ms

Loss rate: 1.04%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Wed, 05 Jul 2017 00:53:52 +0000

End at: Wed, 05 Jul 2017 00:54:22 +0000

Local clock offset: 0.567 ms

Remote clock offset: -1.367 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:24:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 127.06 Mbit/s

95th percentile per-packet one-way delay: -0.728 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 68.55 Mbit/s

95th percentile per-packet one-way delay: -0.681 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 39.00 Mbit/s

95th percentile per-packet one-way delay: -0.748 ms

Loss rate: 0.36%

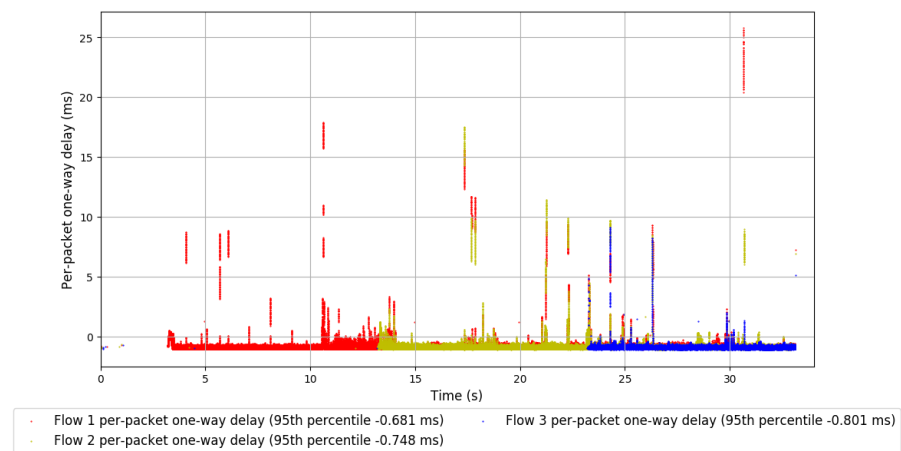
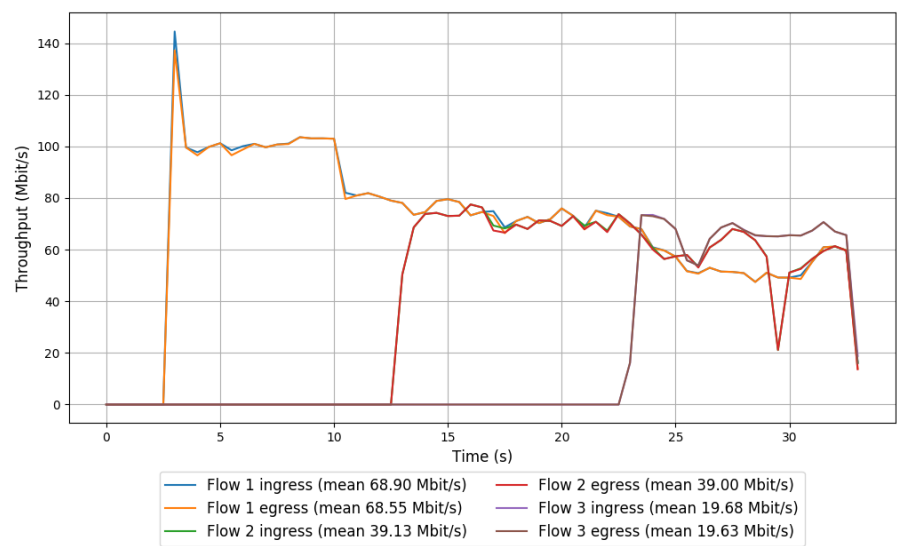
-- Flow 3:

Average throughput: 19.63 Mbit/s

95th percentile per-packet one-way delay: -0.801 ms

Loss rate: 0.25%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

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

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

Local clock offset: 0.628 ms

Remote clock offset: -1.536 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:24:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 128.49 Mbit/s

95th percentile per-packet one-way delay: -0.785 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 71.21 Mbit/s

95th percentile per-packet one-way delay: -0.803 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 39.19 Mbit/s

95th percentile per-packet one-way delay: -0.756 ms

Loss rate: 0.40%

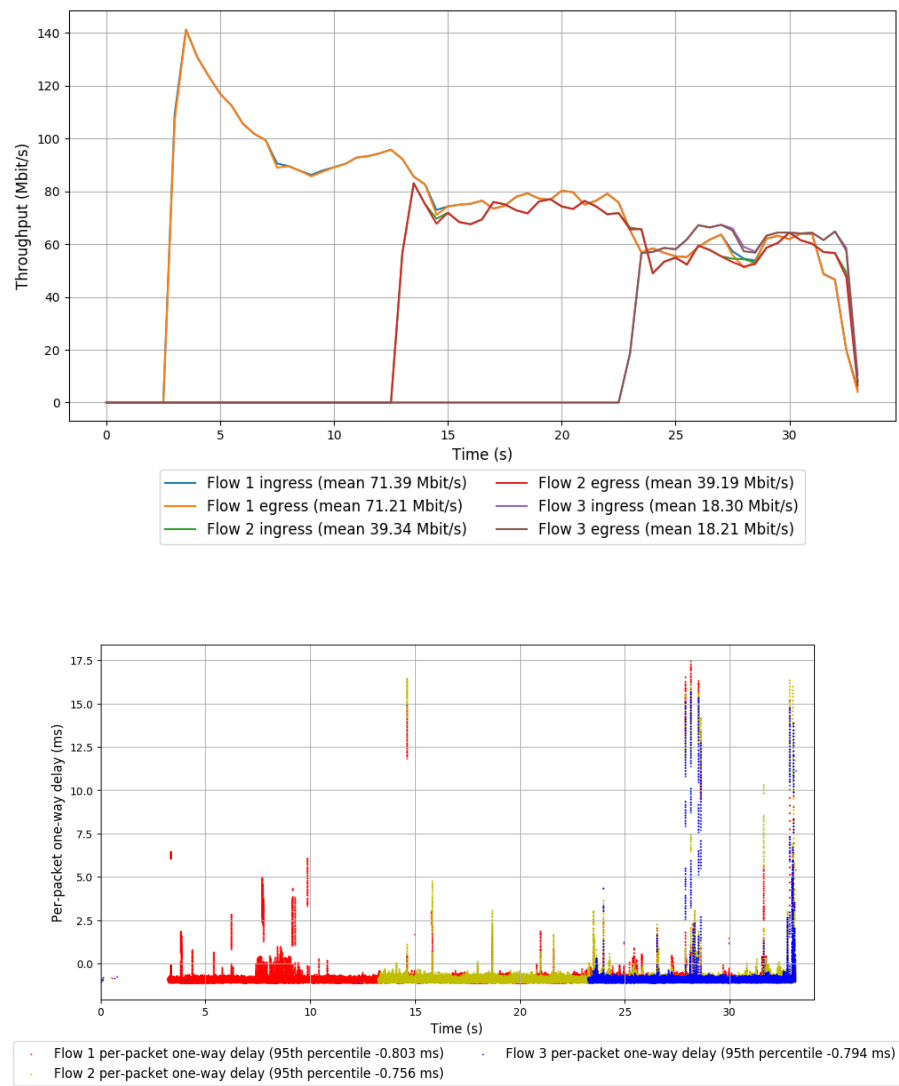
-- Flow 3:

Average throughput: 18.21 Mbit/s

95th percentile per-packet one-way delay: -0.794 ms

Loss rate: 0.52%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:06:52 +0000

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

Local clock offset: -0.006 ms

Remote clock offset: -1.618 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:24:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 108.03 Mbit/s

95th percentile per-packet one-way delay: -0.123 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 65.78 Mbit/s

95th percentile per-packet one-way delay: -0.180 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 29.35 Mbit/s

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

Loss rate: 0.97%

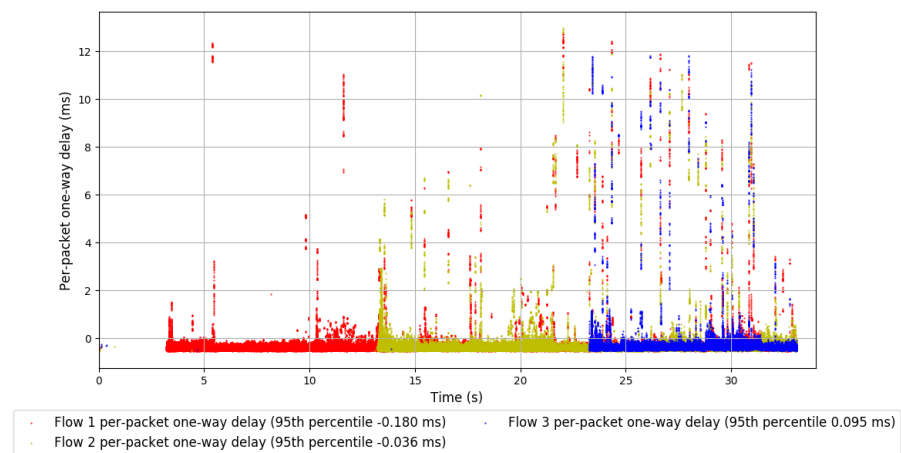
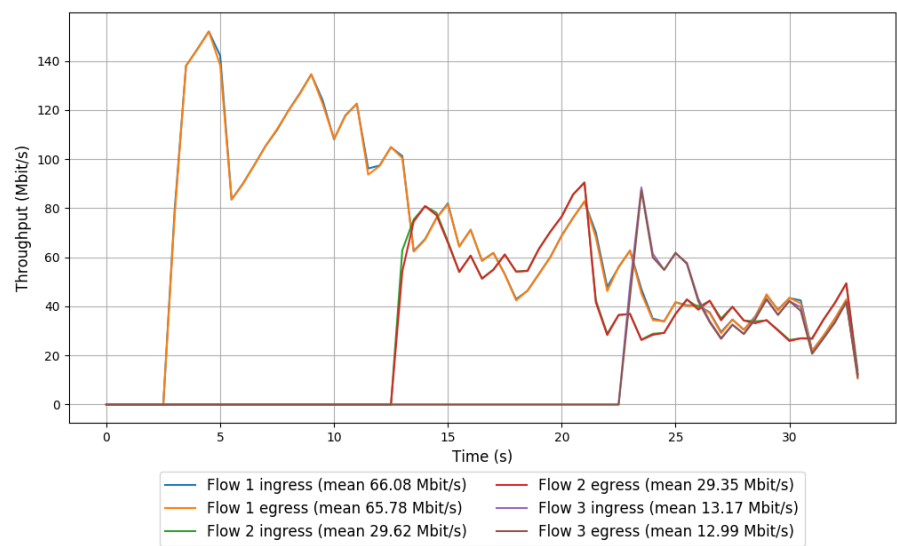
-- Flow 3:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 0.095 ms

Loss rate: 1.40%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

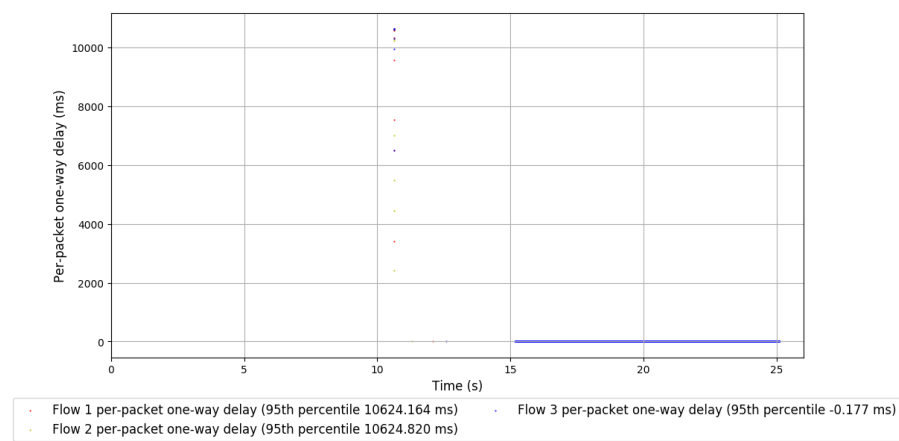
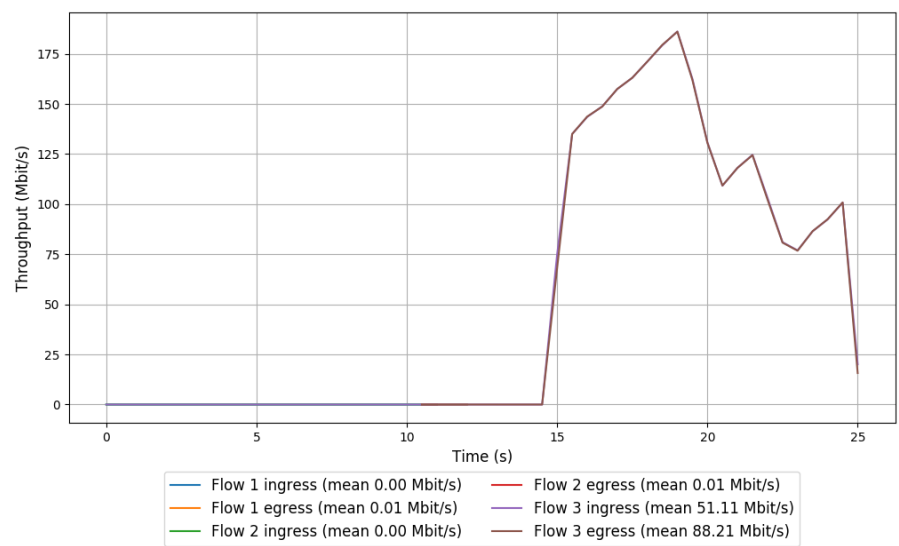
Start at: Tue, 04 Jul 2017 22:27:42 +0000

End at: Tue, 04 Jul 2017 22:28:12 +0000

Local clock offset: -0.055 ms

Remote clock offset: -1.565 ms

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

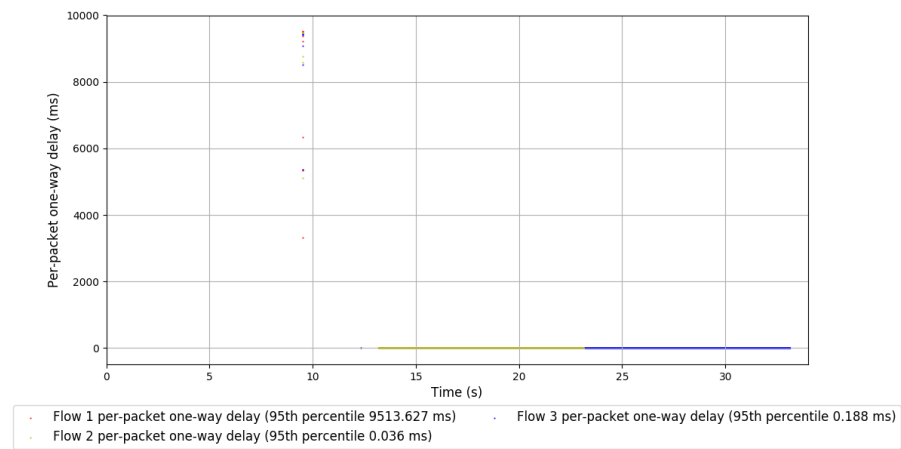
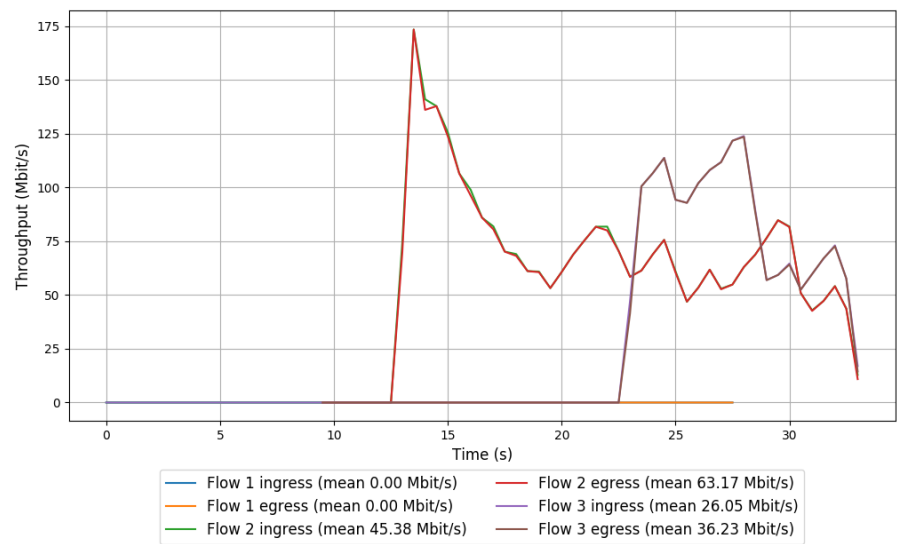
Start at: Tue, 04 Jul 2017 22:48:22 +0000

End at: Tue, 04 Jul 2017 22:48:52 +0000

Local clock offset: 0.04 ms

Remote clock offset: -1.275 ms

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:09:00 +0000

End at: Tue, 04 Jul 2017 23:09:30 +0000

Local clock offset: -0.216 ms

Remote clock offset: -0.82 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:25:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 239.61 Mbit/s

95th percentile per-packet one-way delay: 0.848 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 123.13 Mbit/s

95th percentile per-packet one-way delay: 0.787 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 0.913 ms

Loss rate: 0.26%

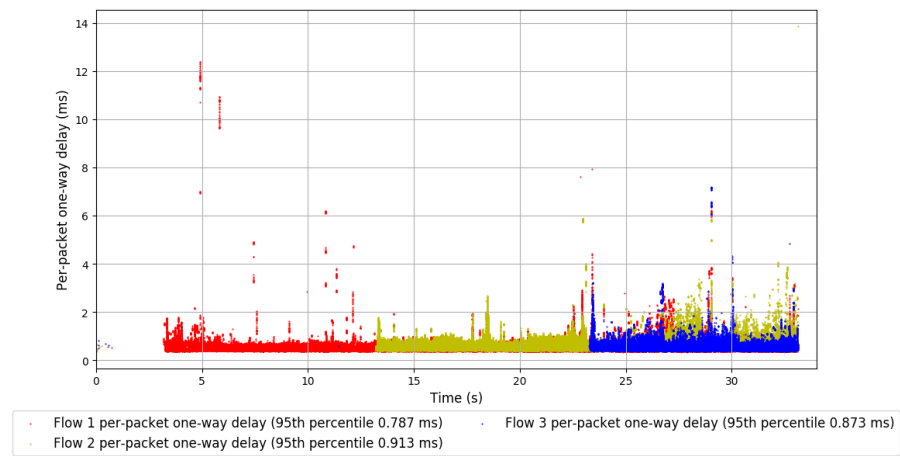
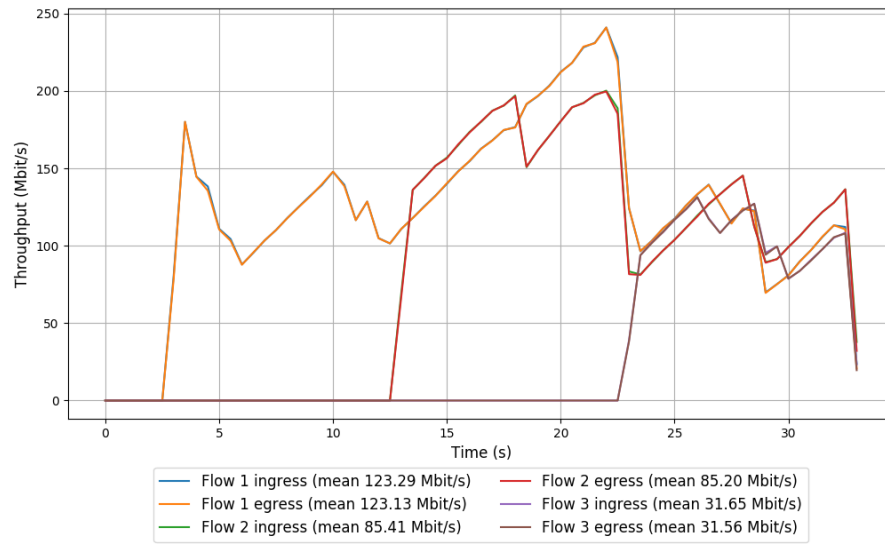
-- Flow 3:

Average throughput: 31.56 Mbit/s

95th percentile per-packet one-way delay: 0.873 ms

Loss rate: 0.31%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:29:49 +0000

End at: Tue, 04 Jul 2017 23:30:19 +0000

Local clock offset: -0.404 ms

Remote clock offset: -1.062 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:25:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 148.03 Mbit/s

95th percentile per-packet one-way delay: 0.681 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 75.98 Mbit/s

95th percentile per-packet one-way delay: 0.675 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 49.02 Mbit/s

95th percentile per-packet one-way delay: 0.734 ms

Loss rate: 0.51%

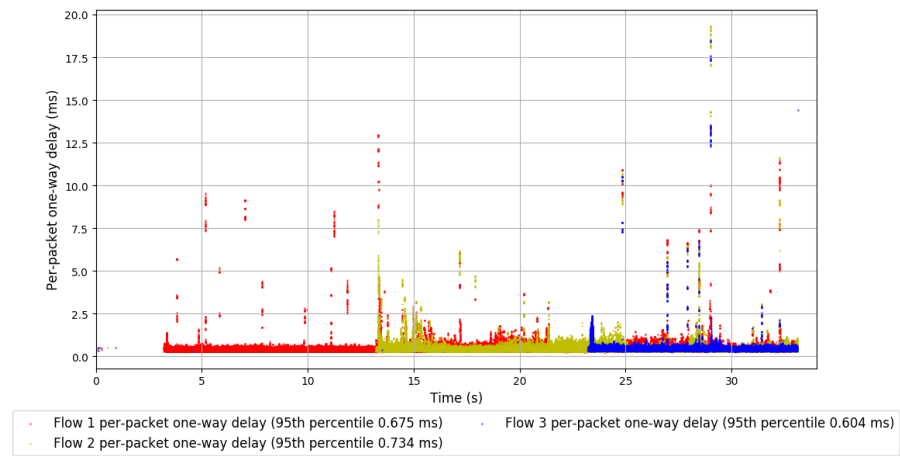
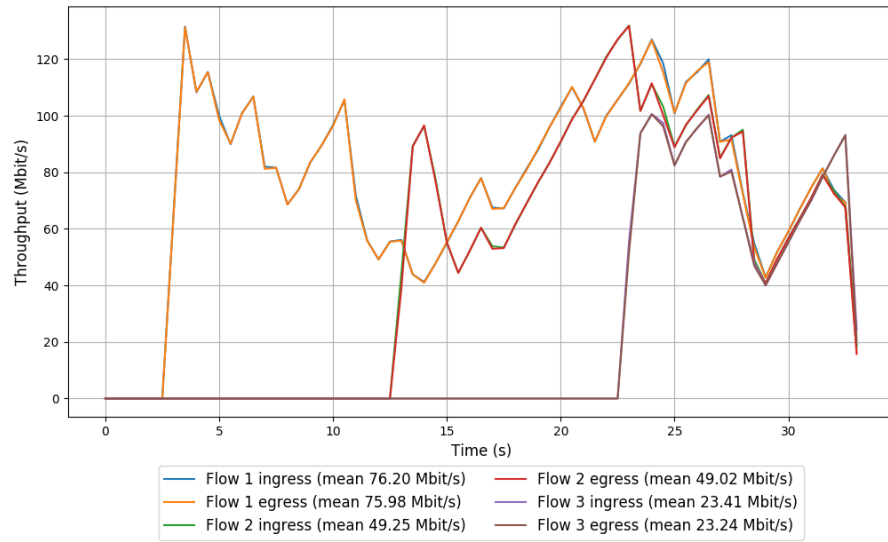
-- Flow 3:

Average throughput: 23.24 Mbit/s

95th percentile per-packet one-way delay: 0.604 ms

Loss rate: 0.73%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:50:29 +0000

End at: Tue, 04 Jul 2017 23:50:59 +0000

Local clock offset: -0.262 ms

Remote clock offset: -1.032 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 223.96 Mbit/s

95th percentile per-packet one-way delay: 0.679 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 106.09 Mbit/s

95th percentile per-packet one-way delay: 0.651 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 72.77 Mbit/s

95th percentile per-packet one-way delay: 0.665 ms

Loss rate: 0.40%

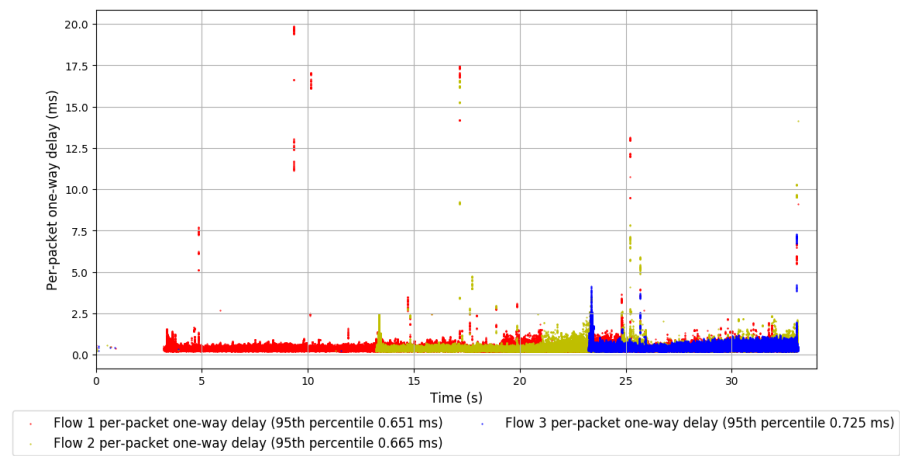
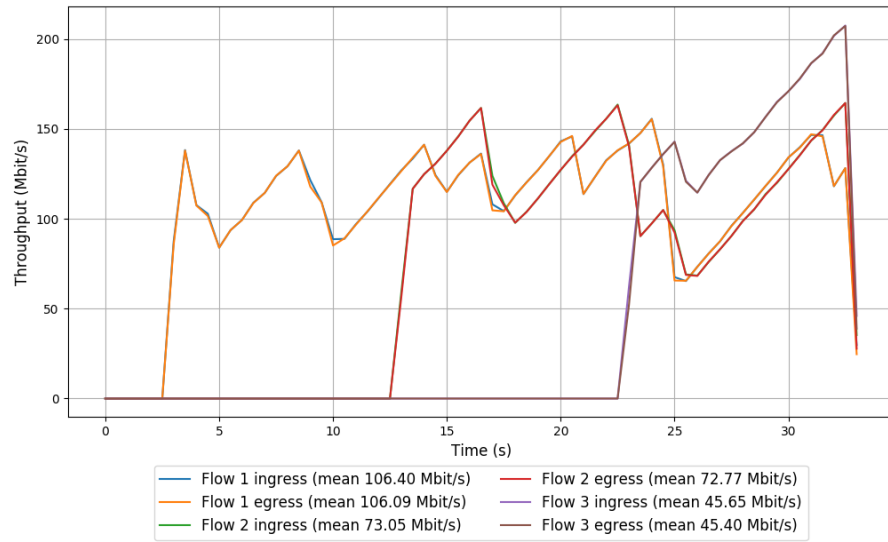
-- Flow 3:

Average throughput: 45.40 Mbit/s

95th percentile per-packet one-way delay: 0.725 ms

Loss rate: 0.60%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 00:11:19 +0000

End at: Wed, 05 Jul 2017 00:11:49 +0000

Local clock offset: -0.097 ms

Remote clock offset: -1.14 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:25:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 189.55 Mbit/s

95th percentile per-packet one-way delay: 0.365 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 0.325 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 73.35 Mbit/s

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

Loss rate: 0.36%

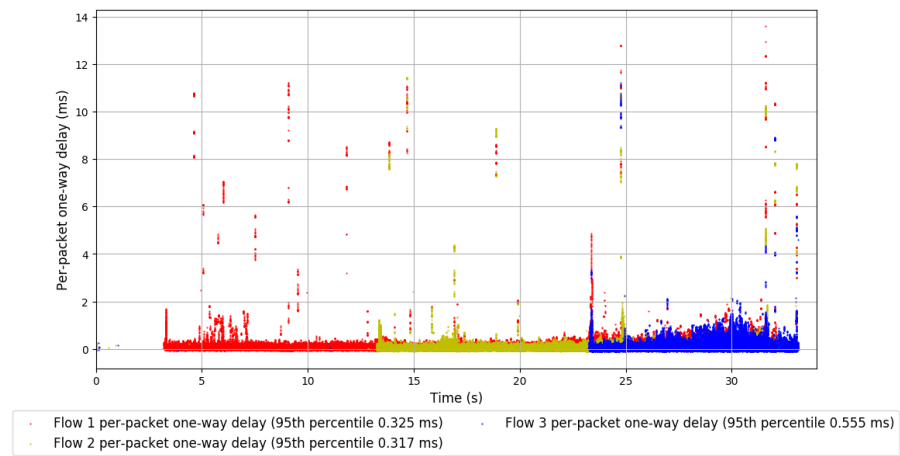
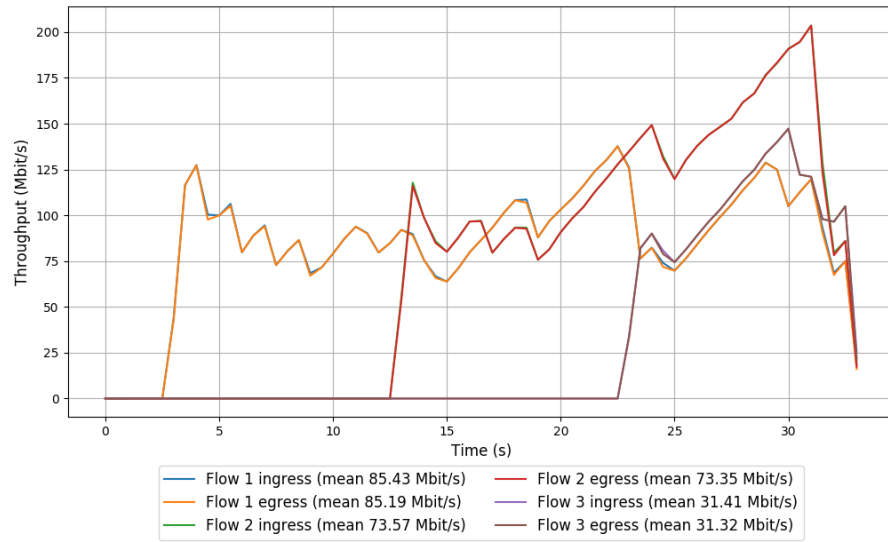
-- Flow 3:

Average throughput: 31.32 Mbit/s

95th percentile per-packet one-way delay: 0.555 ms

Loss rate: 0.32%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 00:32:07 +0000

End at: Wed, 05 Jul 2017 00:32:37 +0000

Local clock offset: 0.374 ms

Remote clock offset: -0.992 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:25:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 109.29 Mbit/s

95th percentile per-packet one-way delay: 0.016 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 8884.795 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.71 Mbit/s

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

Loss rate: 0.43%

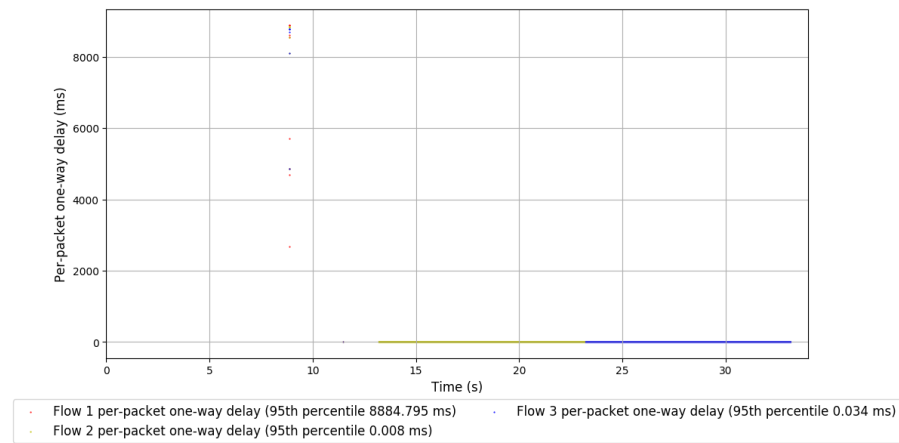
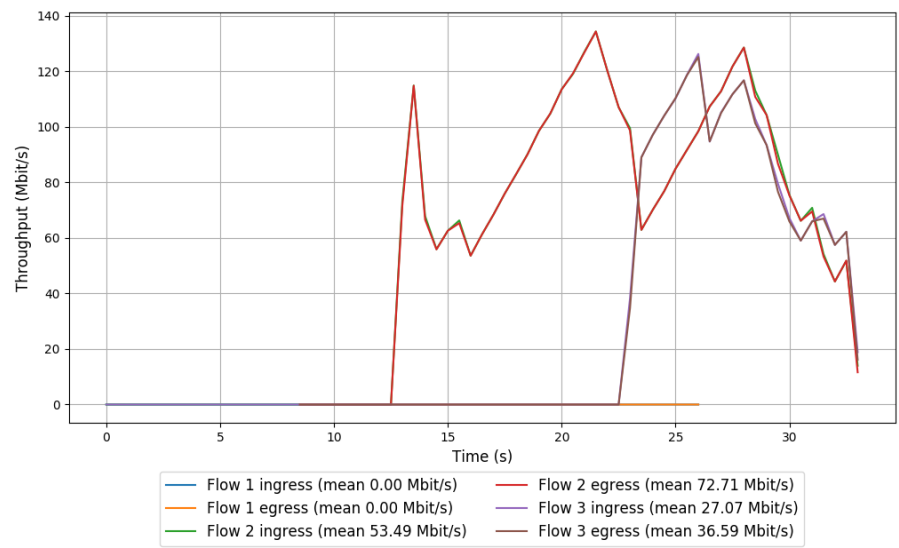
-- Flow 3:

Average throughput: 36.59 Mbit/s

95th percentile per-packet one-way delay: 0.034 ms

Loss rate: 0.83%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

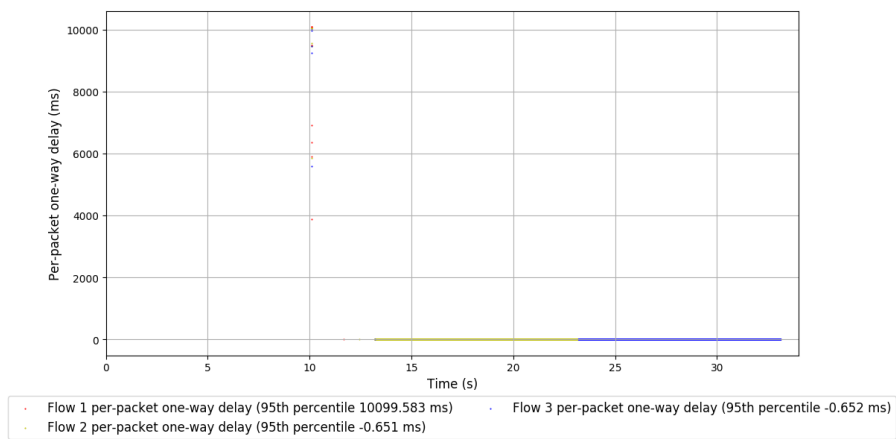
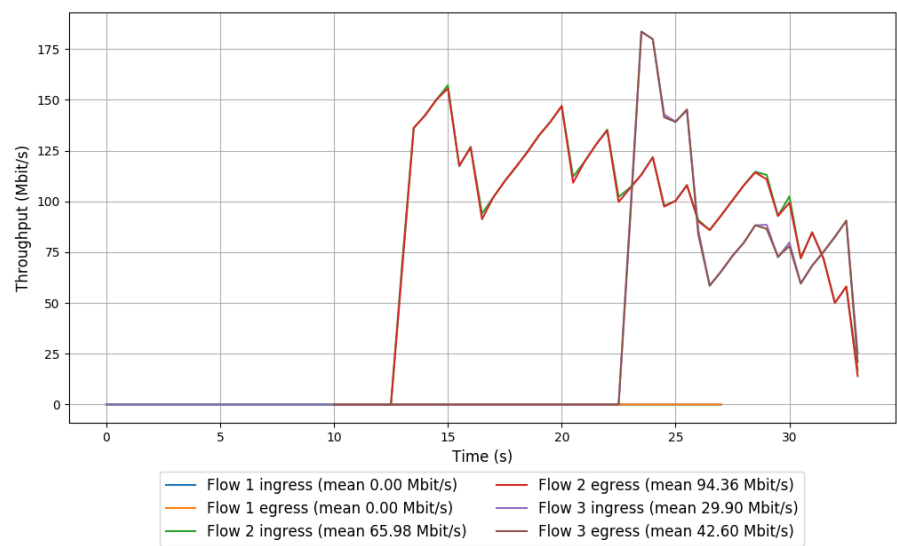
Start at: Wed, 05 Jul 2017 00:52:36 +0000

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

Local clock offset: 0.543 ms

Remote clock offset: -1.387 ms

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

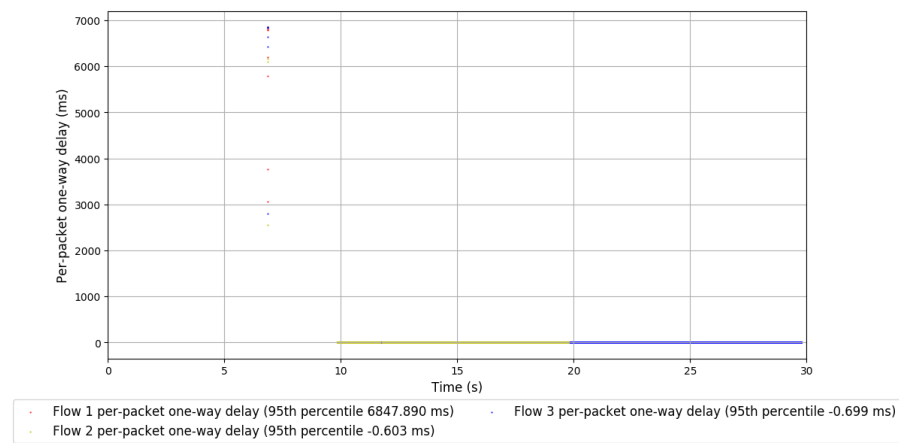
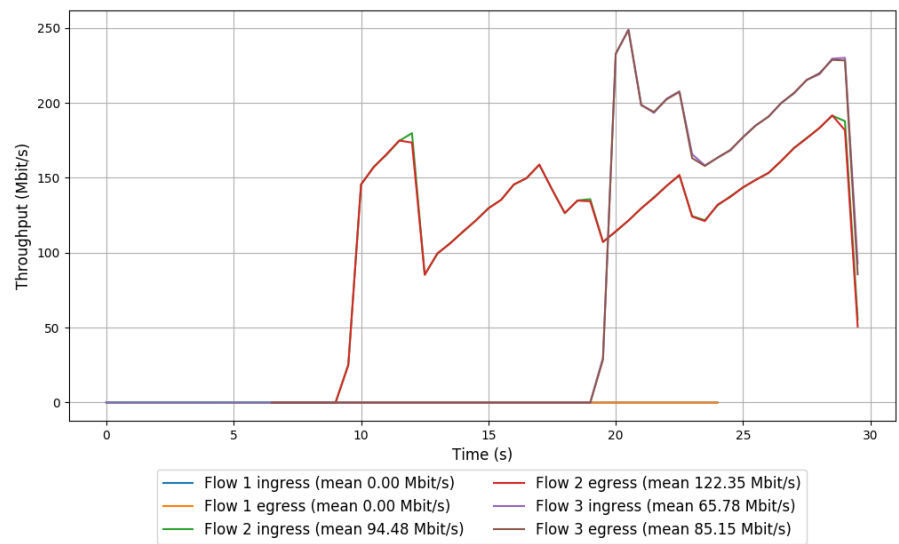
Start at: Wed, 05 Jul 2017 01:13:11 +0000

End at: Wed, 05 Jul 2017 01:13:41 +0000

Local clock offset: 0.626 ms

Remote clock offset: -1.466 ms

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 22:09:33 +0000

End at: Tue, 04 Jul 2017 22:10:03 +0000

Local clock offset: 0.008 ms

Remote clock offset: -1.489 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:26:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 106.76 Mbit/s

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

Loss rate: 0.22%

-- Flow 1:

Average throughput: 53.55 Mbit/s

95th percentile per-packet one-way delay: -0.161 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 35.67 Mbit/s

95th percentile per-packet one-way delay: -0.141 ms

Loss rate: 0.20%

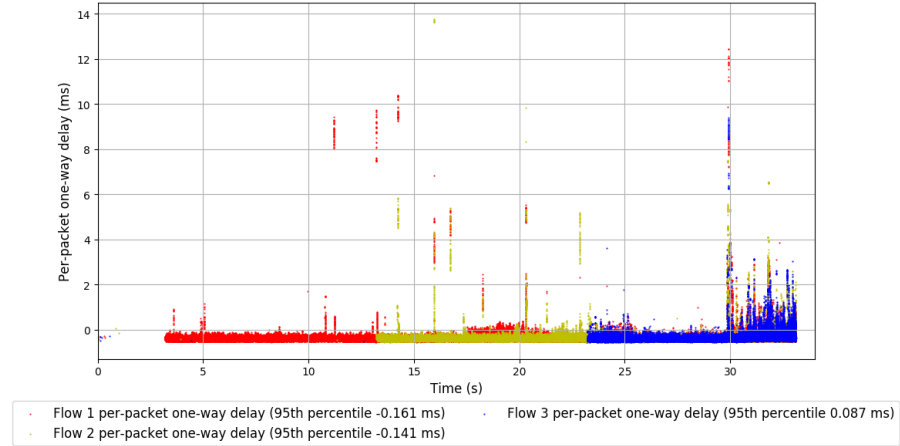
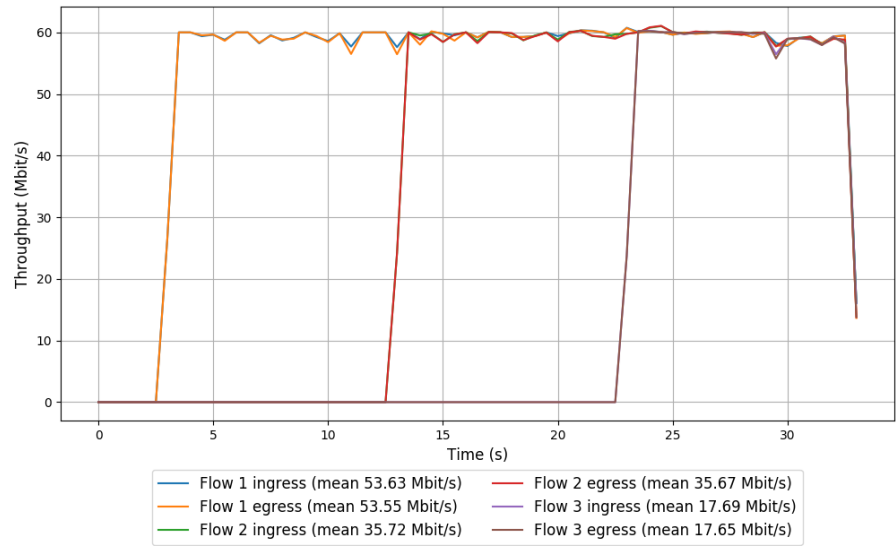
-- Flow 3:

Average throughput: 17.65 Mbit/s

95th percentile per-packet one-way delay: 0.087 ms

Loss rate: 0.26%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 22:30:18 +0000

End at: Tue, 04 Jul 2017 22:30:48 +0000

Local clock offset: 0.029 ms

Remote clock offset: -1.431 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:26:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 131.18 Mbit/s

95th percentile per-packet one-way delay: -0.191 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 59.34 Mbit/s

95th percentile per-packet one-way delay: -0.185 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 48.18 Mbit/s

95th percentile per-packet one-way delay: -0.203 ms

Loss rate: 0.14%

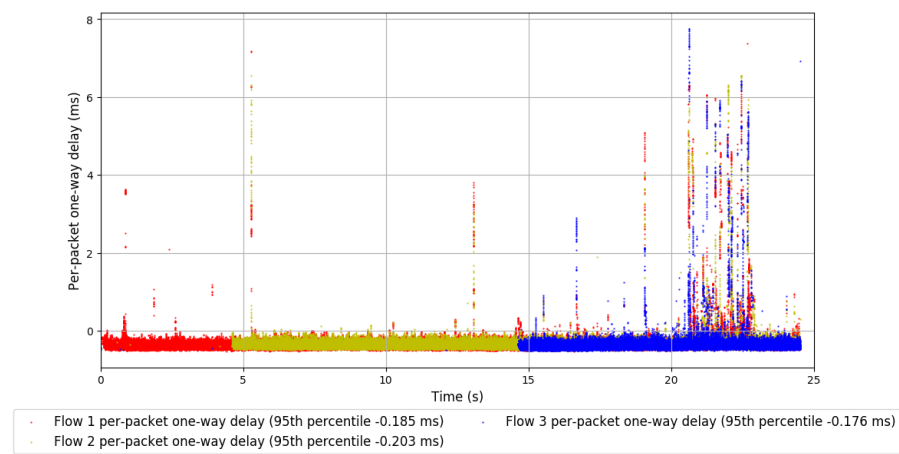
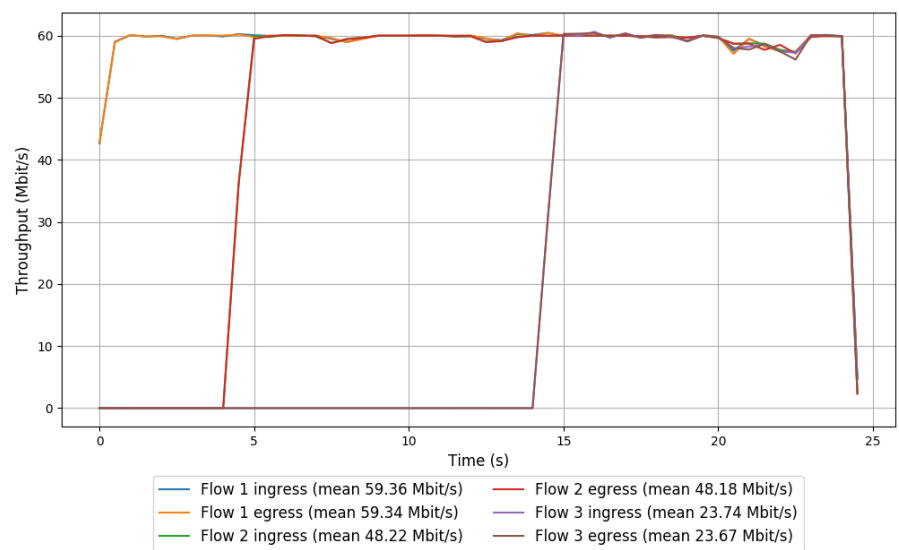
-- Flow 3:

Average throughput: 23.67 Mbit/s

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

Loss rate: 0.33%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

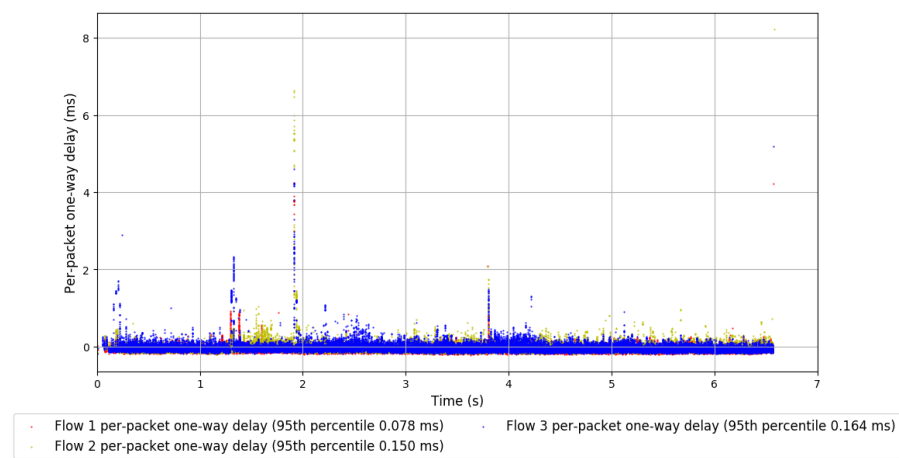
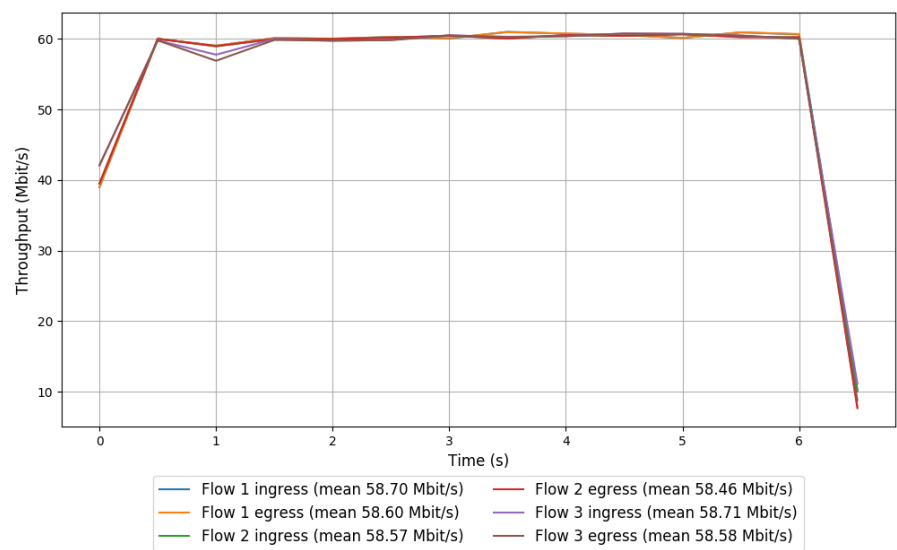
Start at: Tue, 04 Jul 2017 22:50:59 +0000

End at: Tue, 04 Jul 2017 22:51:29 +0000

Local clock offset: 0.014 ms

Remote clock offset: -1.243 ms

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:11:43 +0000

End at: Tue, 04 Jul 2017 23:12:13 +0000

Local clock offset: -0.236 ms

Remote clock offset: -0.831 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:26:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 106.43 Mbit/s

95th percentile per-packet one-way delay: 0.696 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 53.46 Mbit/s

95th percentile per-packet one-way delay: 0.692 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 35.50 Mbit/s

95th percentile per-packet one-way delay: 0.719 ms

Loss rate: 0.34%

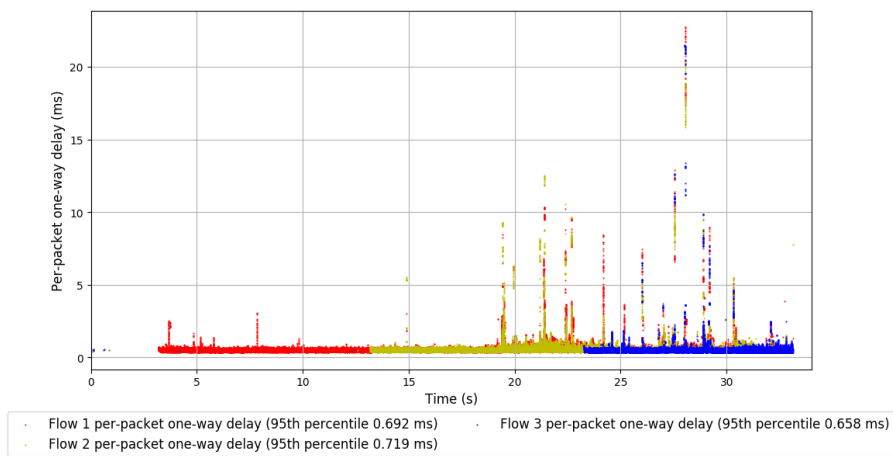
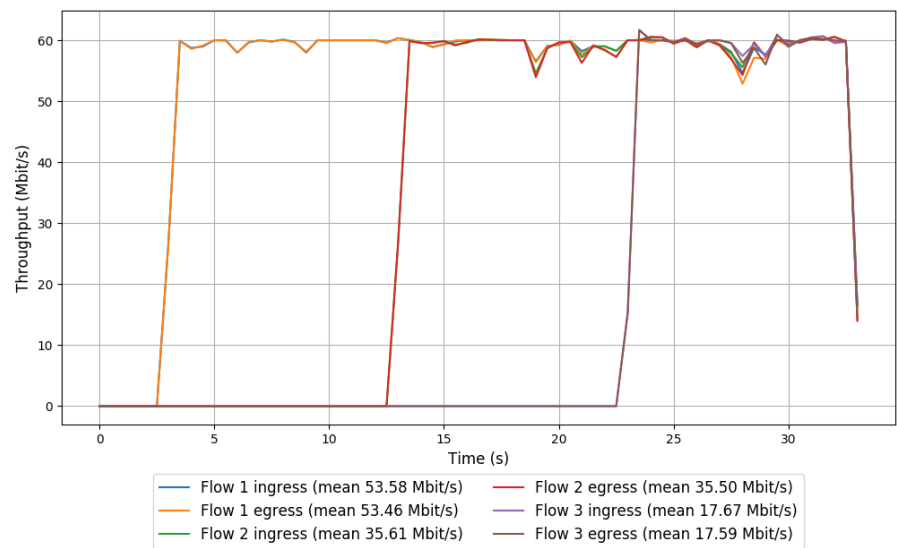
-- Flow 3:

Average throughput: 17.59 Mbit/s

95th percentile per-packet one-way delay: 0.658 ms

Loss rate: 0.49%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

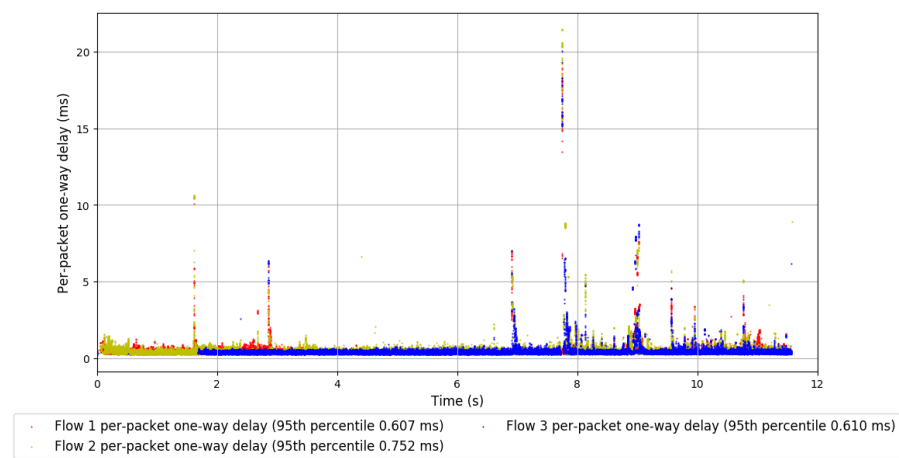
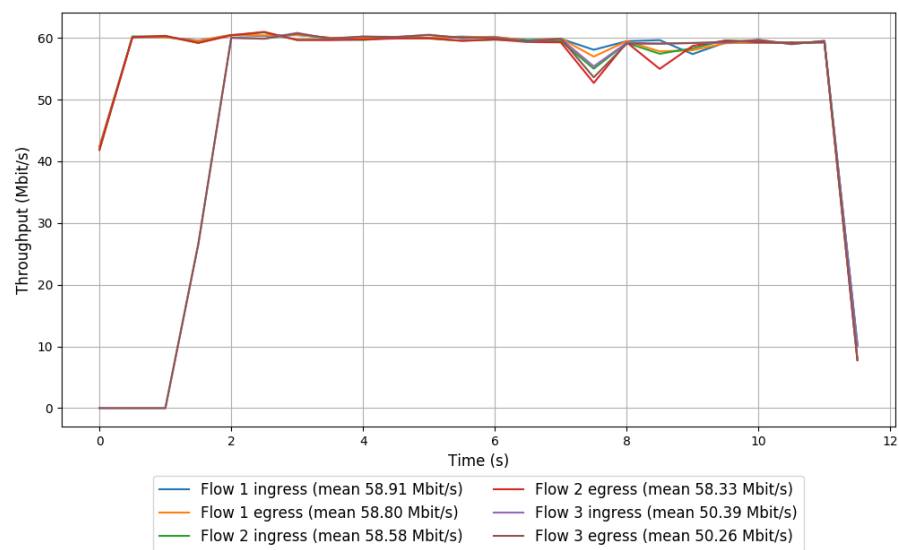
Start at: Tue, 04 Jul 2017 23:32:32 +0000

End at: Tue, 04 Jul 2017 23:33:02 +0000

Local clock offset: -0.378 ms

Remote clock offset: -0.987 ms

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

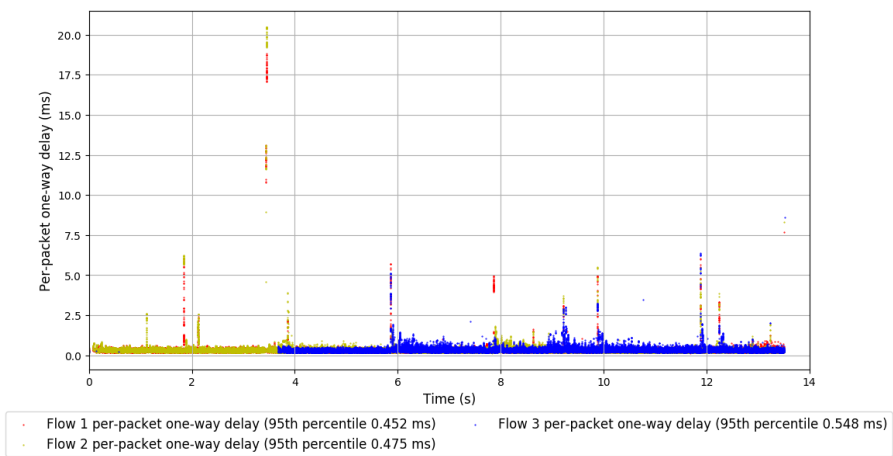
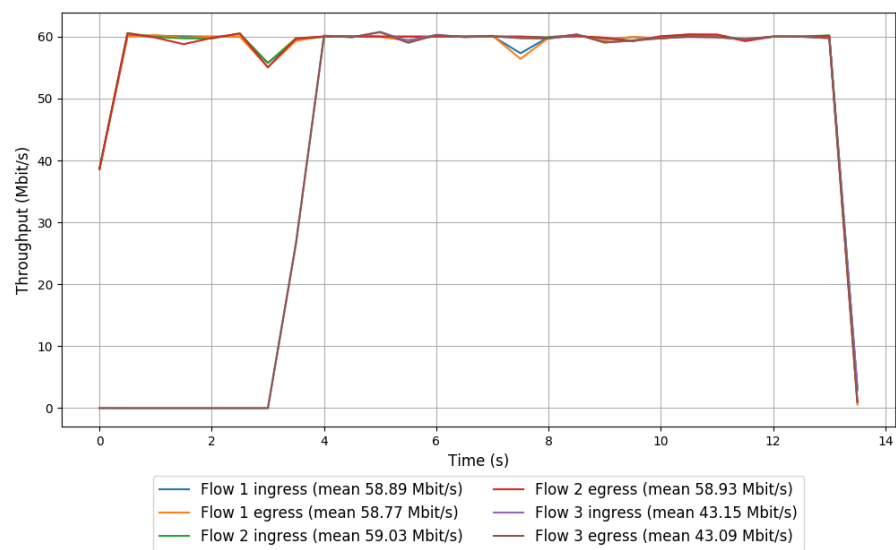
Start at: Tue, 04 Jul 2017 23:53:15 +0000

End at: Tue, 04 Jul 2017 23:53:45 +0000

Local clock offset: -0.247 ms

Remote clock offset: -0.959 ms

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

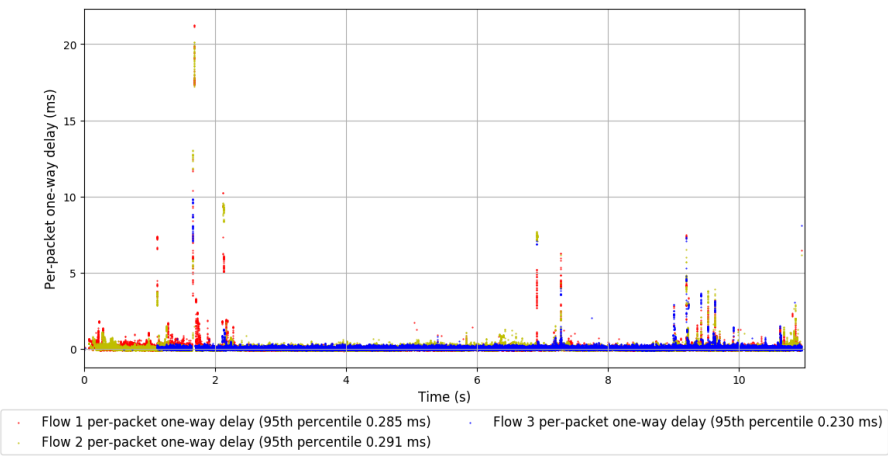
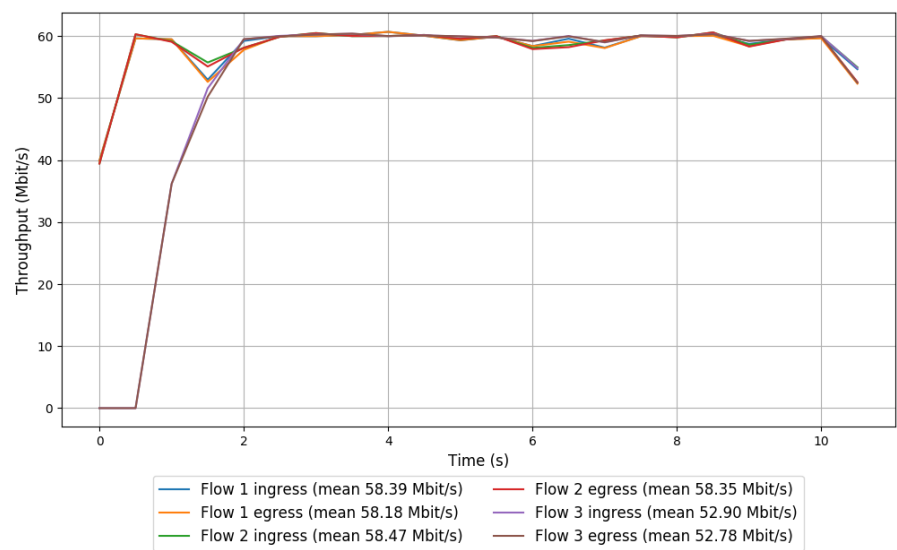
Start at: Wed, 05 Jul 2017 00:14:00 +0000

End at: Wed, 05 Jul 2017 00:14:30 +0000

Local clock offset: -0.093 ms

Remote clock offset: -1.099 ms

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

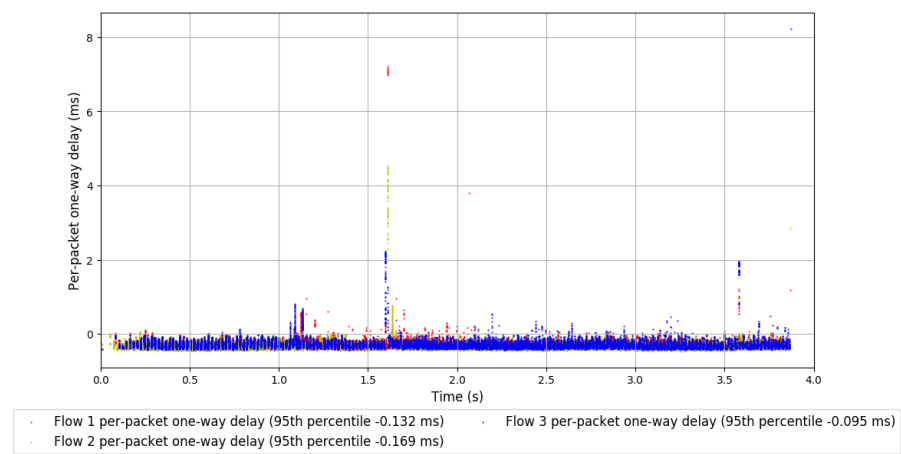
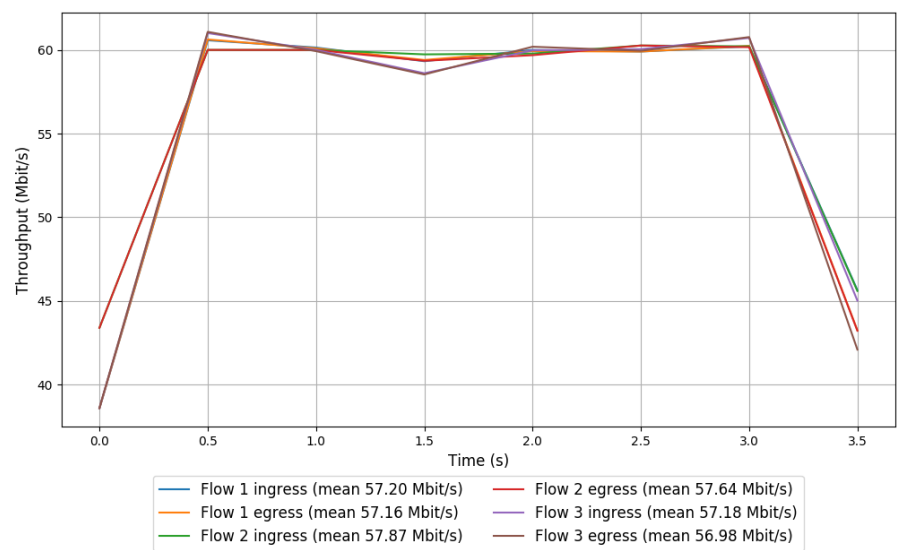
Start at: Wed, 05 Jul 2017 00:34:42 +0000

End at: Wed, 05 Jul 2017 00:35:12 +0000

Local clock offset: 0.334 ms

Remote clock offset: -1.066 ms

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

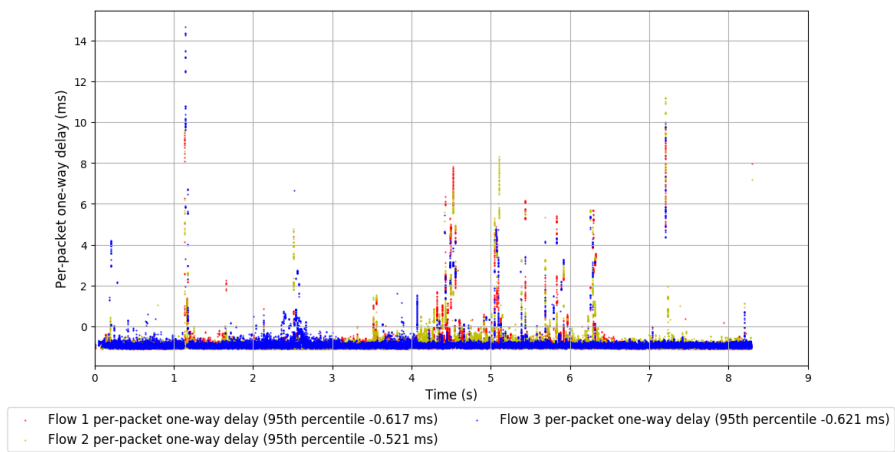
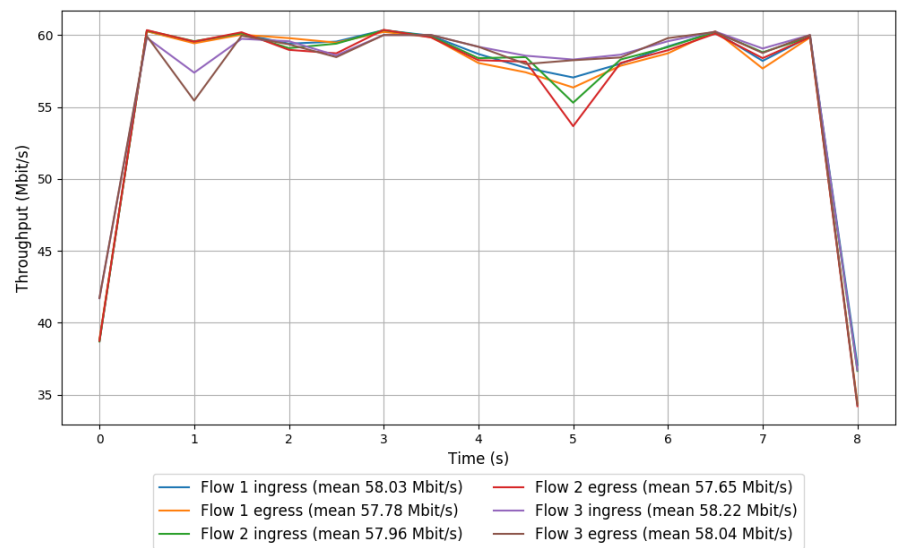
Start at: Wed, 05 Jul 2017 00:55:15 +0000

End at: Wed, 05 Jul 2017 00:55:45 +0000

Local clock offset: 0.658 ms

Remote clock offset: -1.388 ms

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

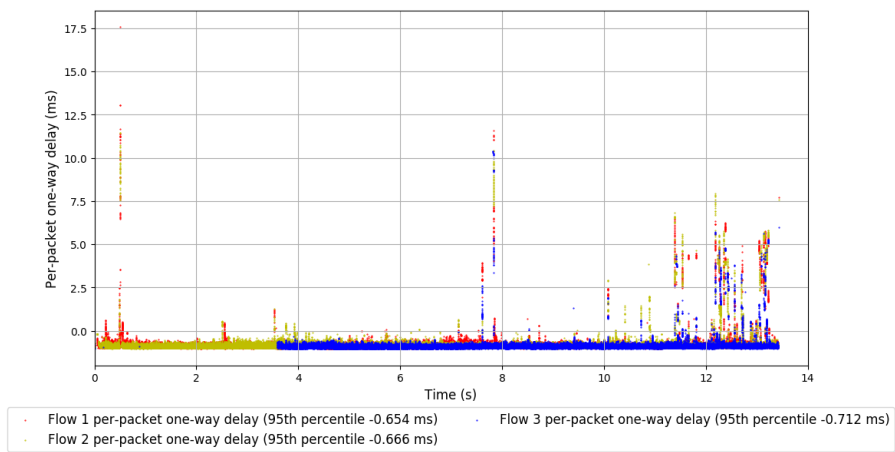
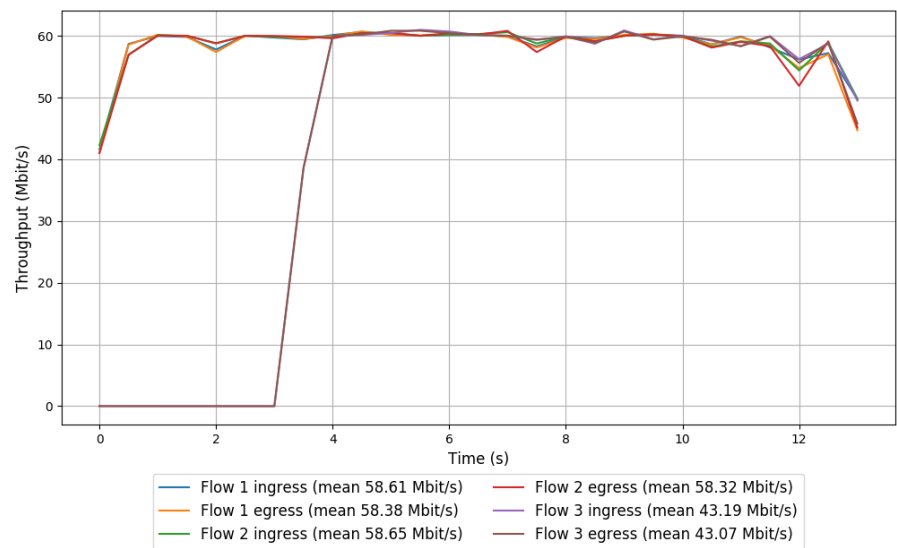
Start at: Wed, 05 Jul 2017 01:15:53 +0000

End at: Wed, 05 Jul 2017 01:16:23 +0000

Local clock offset: 0.512 ms

Remote clock offset: -1.514 ms

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:24:02 +0000

End at: Tue, 04 Jul 2017 22:24:32 +0000

Local clock offset: 0.051 ms

Remote clock offset: -1.643 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 123.95 Mbit/s

95th percentile per-packet one-way delay: -0.196 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 75.27 Mbit/s

95th percentile per-packet one-way delay: -0.246 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 34.80 Mbit/s

95th percentile per-packet one-way delay: -0.101 ms

Loss rate: 0.52%

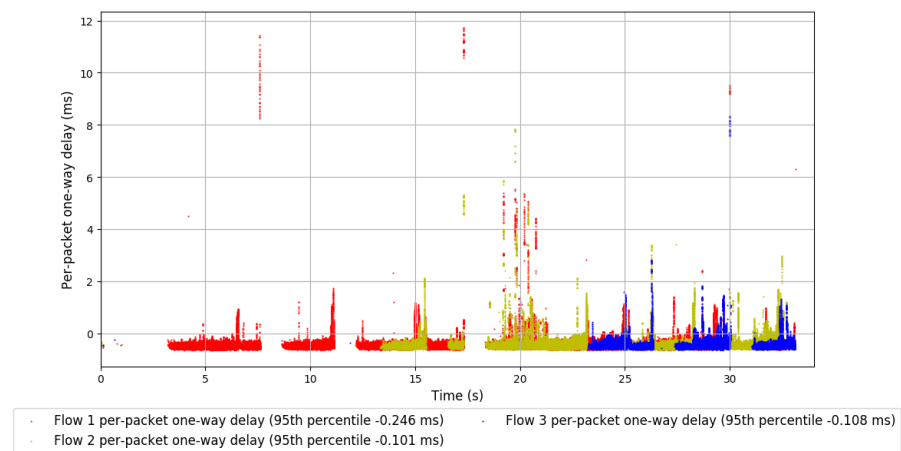
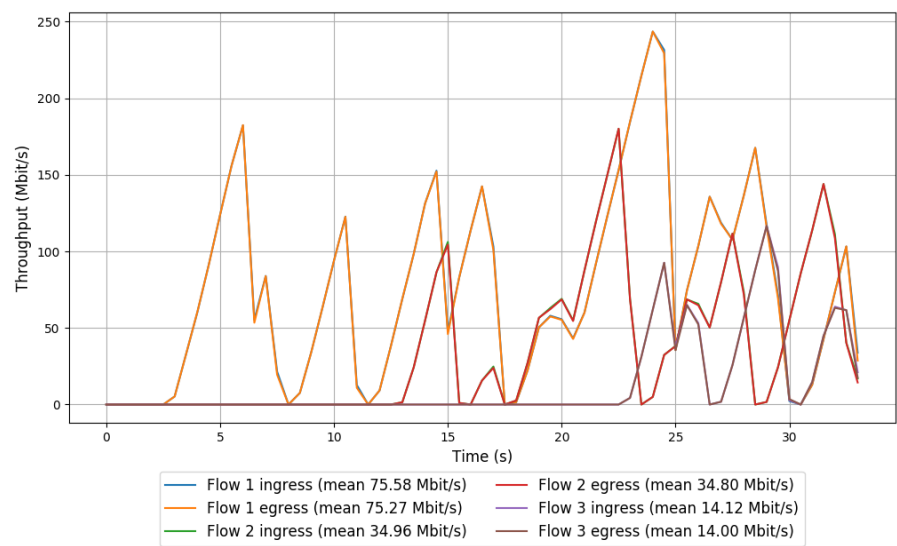
-- Flow 3:

Average throughput: 14.00 Mbit/s

95th percentile per-packet one-way delay: -0.108 ms

Loss rate: 0.93%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:44:43 +0000

End at: Tue, 04 Jul 2017 22:45:13 +0000

Local clock offset: -0.026 ms

Remote clock offset: -1.207 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 116.69 Mbit/s

95th percentile per-packet one-way delay: 0.207 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 69.29 Mbit/s

95th percentile per-packet one-way delay: 0.254 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 34.96 Mbit/s

95th percentile per-packet one-way delay: 0.138 ms

Loss rate: 0.52%

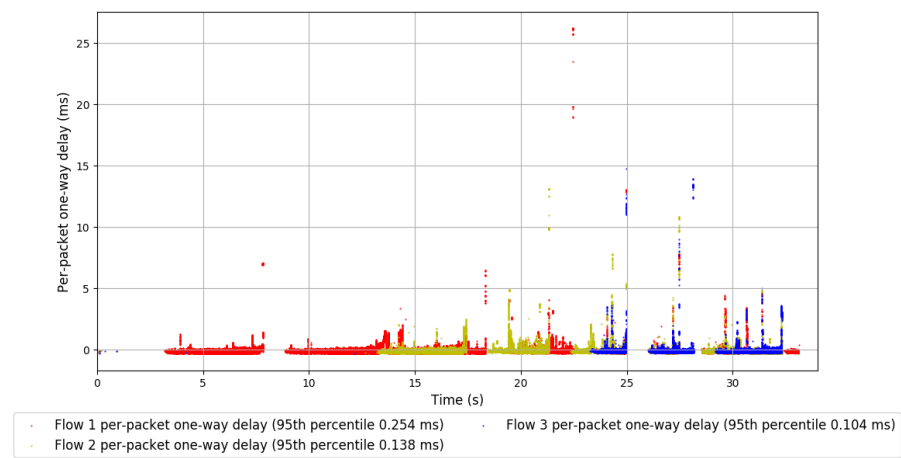
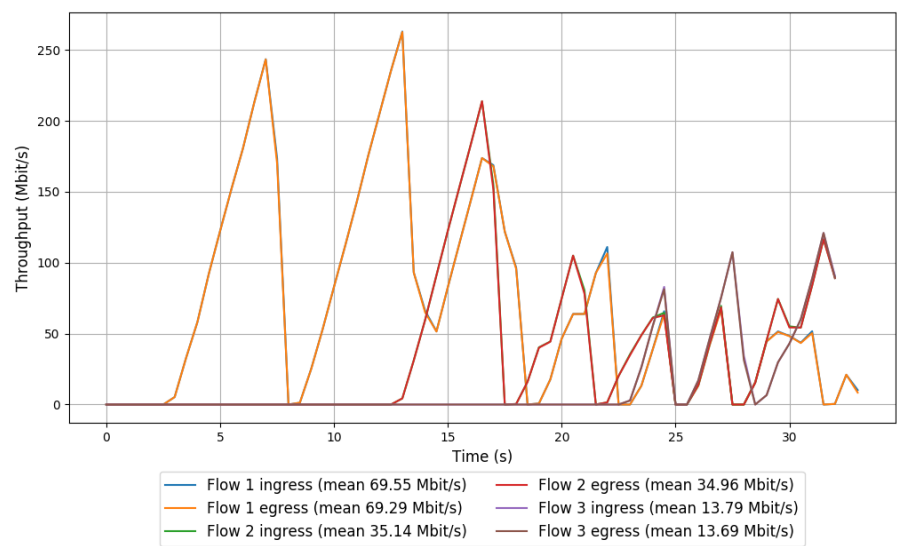
-- Flow 3:

Average throughput: 13.69 Mbit/s

95th percentile per-packet one-way delay: 0.104 ms

Loss rate: 0.70%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:05:20 +0000

End at: Tue, 04 Jul 2017 23:05:50 +0000

Local clock offset: -0.204 ms

Remote clock offset: -0.873 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:27:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 122.30 Mbit/s

95th percentile per-packet one-way delay: 0.726 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 67.48 Mbit/s

95th percentile per-packet one-way delay: 0.707 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 39.31 Mbit/s

95th percentile per-packet one-way delay: 0.706 ms

Loss rate: 0.38%

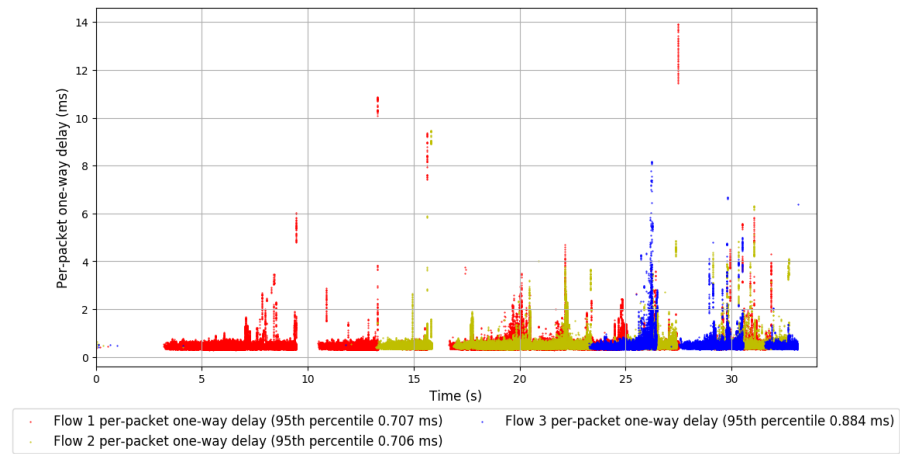
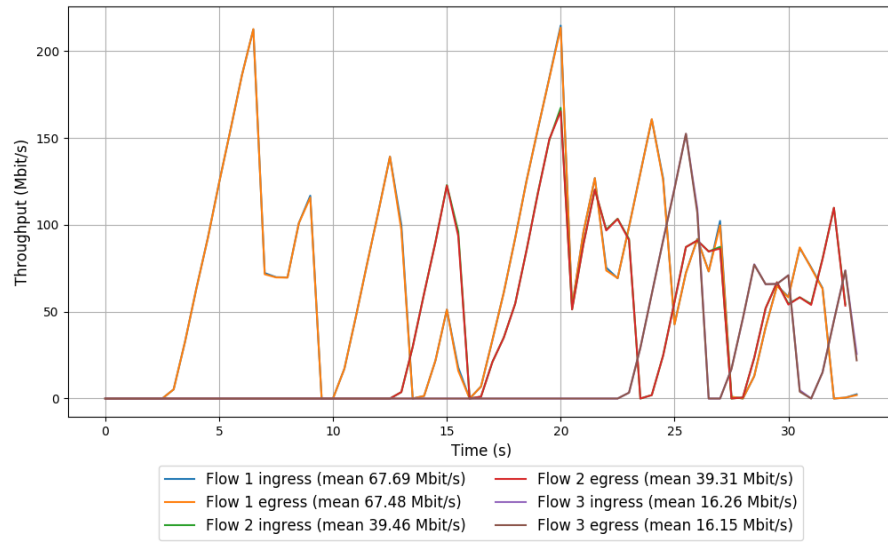
-- Flow 3:

Average throughput: 16.15 Mbit/s

95th percentile per-packet one-way delay: 0.884 ms

Loss rate: 0.71%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:26:11 +0000

End at: Tue, 04 Jul 2017 23:26:41 +0000

Local clock offset: -0.335 ms

Remote clock offset: -1.038 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:27:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 110.62 Mbit/s

95th percentile per-packet one-way delay: 0.698 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 70.28 Mbit/s

95th percentile per-packet one-way delay: 0.667 ms

Loss rate: 0.43%

-- Flow 2:

Average throughput: 28.12 Mbit/s

95th percentile per-packet one-way delay: 0.759 ms

Loss rate: 0.67%

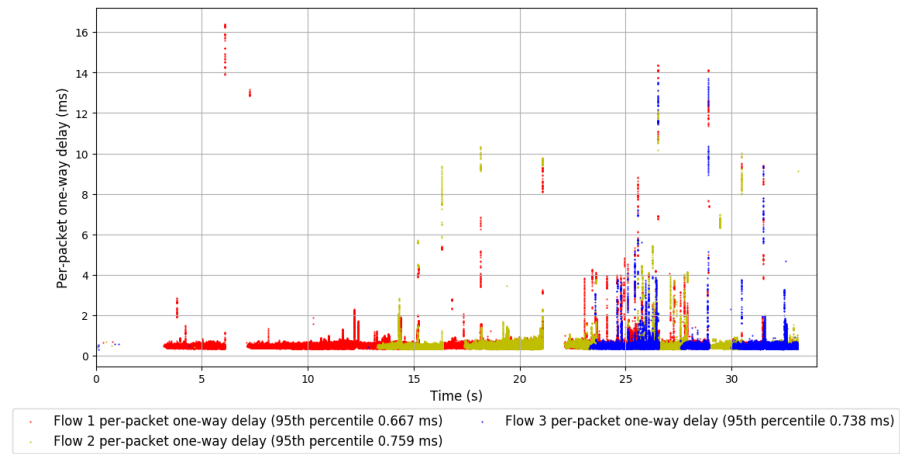
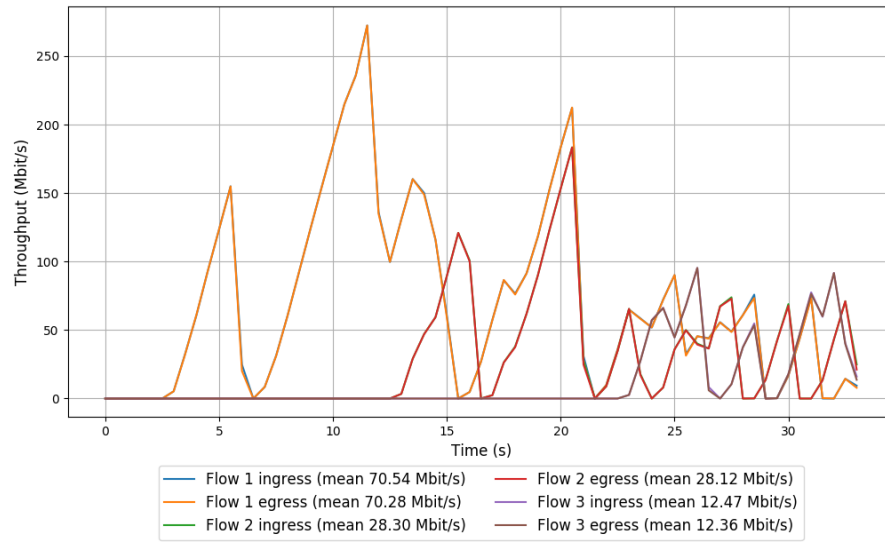
-- Flow 3:

Average throughput: 12.36 Mbit/s

95th percentile per-packet one-way delay: 0.738 ms

Loss rate: 0.97%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:46:49 +0000

End at: Tue, 04 Jul 2017 23:47:19 +0000

Local clock offset: -0.288 ms

Remote clock offset: -1.041 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 120.81 Mbit/s

95th percentile per-packet one-way delay: 0.865 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 75.44 Mbit/s

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

Loss rate: 0.35%

-- Flow 2:

Average throughput: 28.54 Mbit/s

95th percentile per-packet one-way delay: 0.834 ms

Loss rate: 0.49%

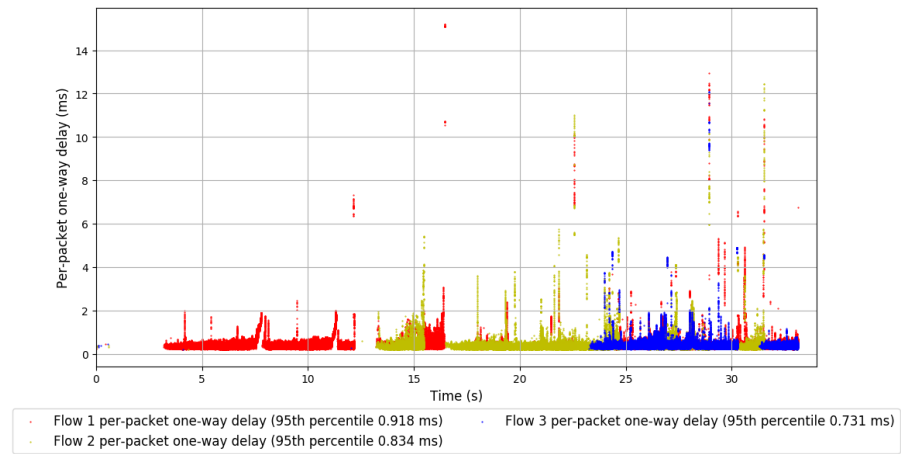
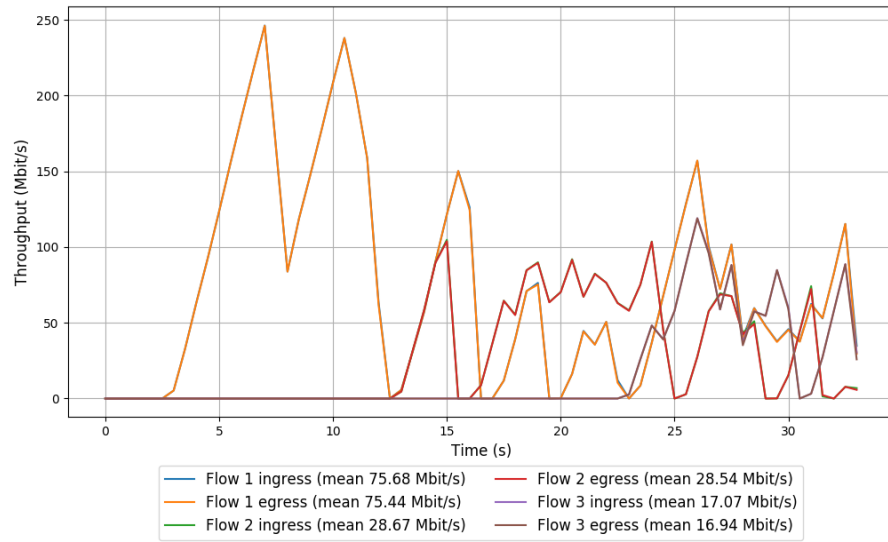
-- Flow 3:

Average throughput: 16.94 Mbit/s

95th percentile per-packet one-way delay: 0.731 ms

Loss rate: 0.81%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 00:07:42 +0000

End at: Wed, 05 Jul 2017 00:08:12 +0000

Local clock offset: -0.153 ms

Remote clock offset: -1.208 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.29 Mbit/s

95th percentile per-packet one-way delay: 0.392 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 39.93 Mbit/s

95th percentile per-packet one-way delay: 0.346 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 17.73 Mbit/s

95th percentile per-packet one-way delay: 0.270 ms

Loss rate: 1.12%

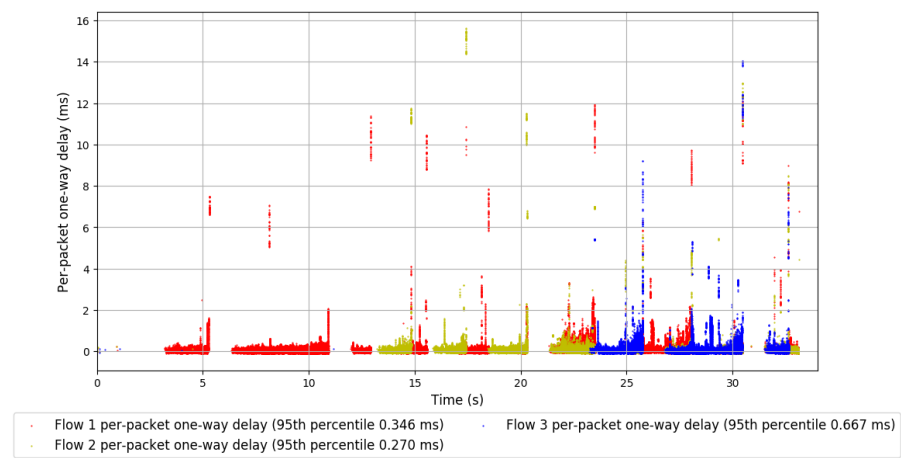
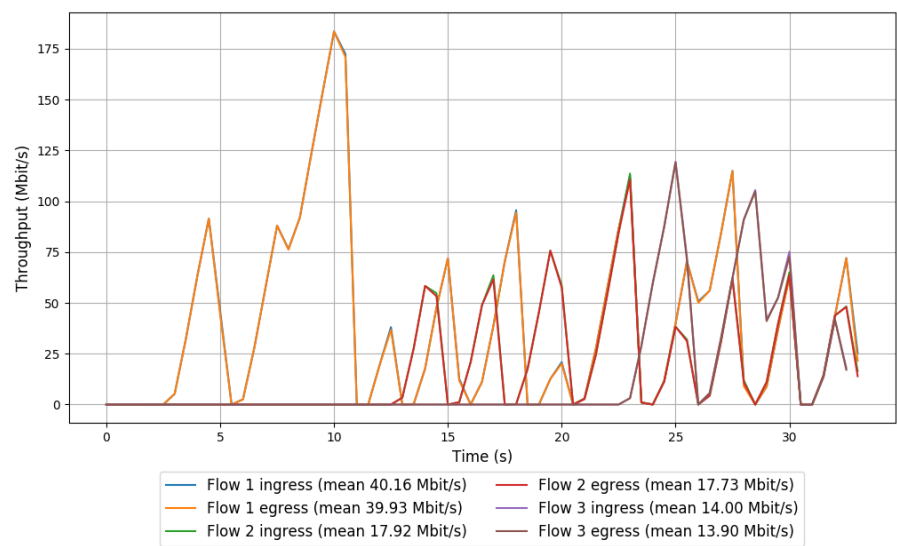
-- Flow 3:

Average throughput: 13.90 Mbit/s

95th percentile per-packet one-way delay: 0.667 ms

Loss rate: 0.68%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

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

End at: Wed, 05 Jul 2017 00:28:58 +0000

Local clock offset: 0.29 ms

Remote clock offset: -0.92 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 116.09 Mbit/s

95th percentile per-packet one-way delay: 0.174 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 55.40 Mbit/s

95th percentile per-packet one-way delay: 0.197 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 40.00 Mbit/s

95th percentile per-packet one-way delay: 0.117 ms

Loss rate: 0.71%

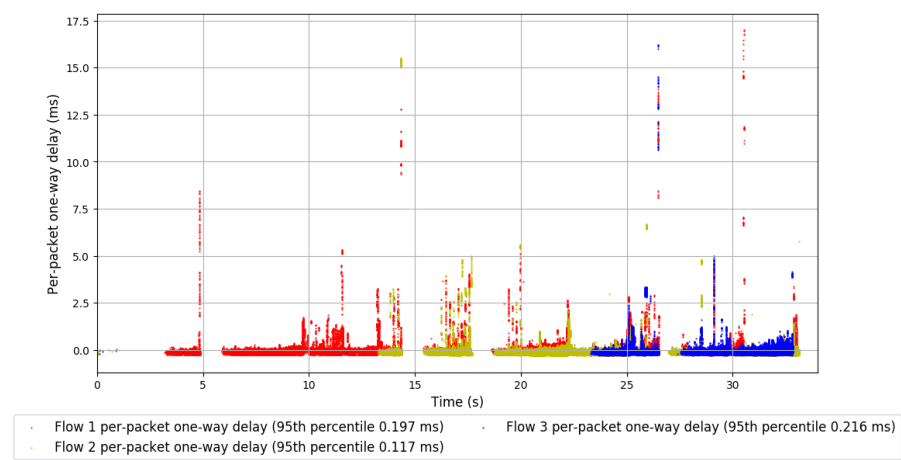
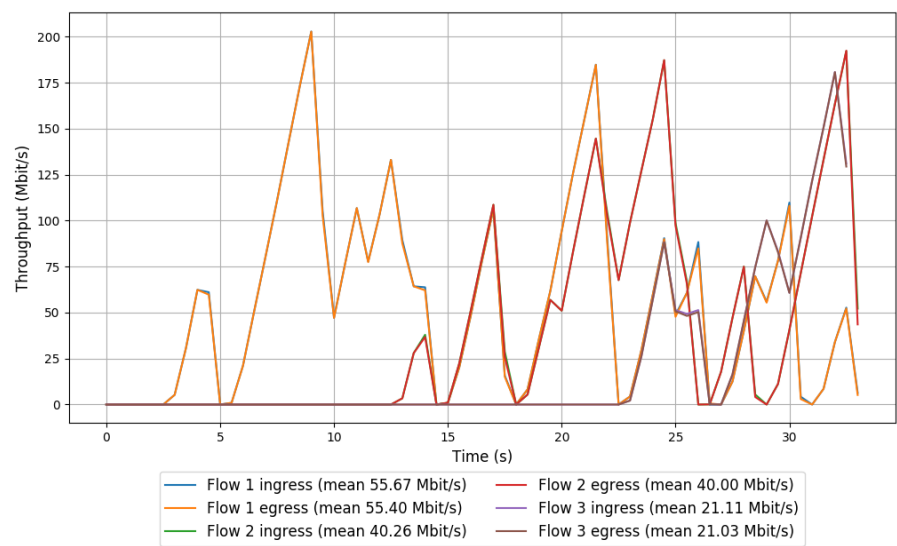
-- Flow 3:

Average throughput: 21.03 Mbit/s

95th percentile per-packet one-way delay: 0.216 ms

Loss rate: 0.37%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

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

End at: Wed, 05 Jul 2017 00:49:28 +0000

Local clock offset: 0.592 ms

Remote clock offset: -1.275 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 105.29 Mbit/s

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

Loss rate: 0.65%

-- Flow 1:

Average throughput: 46.51 Mbit/s

95th percentile per-packet one-way delay: -0.439 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 40.20 Mbit/s

95th percentile per-packet one-way delay: -0.507 ms

Loss rate: 0.46%

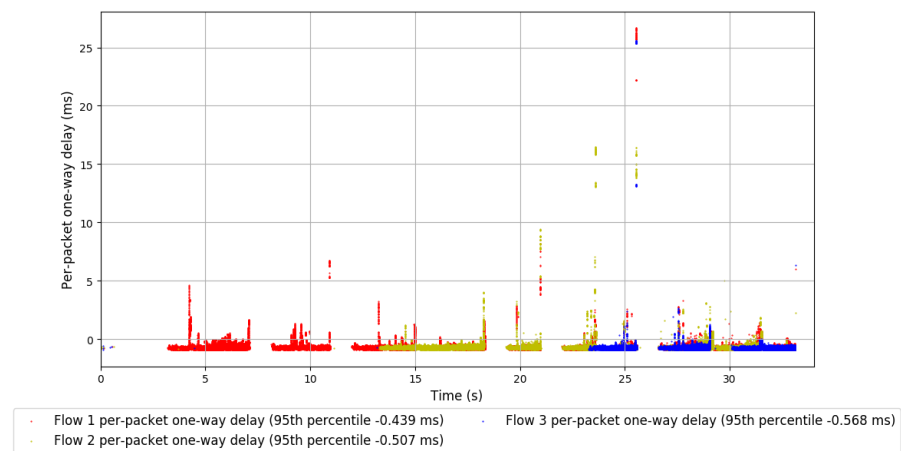
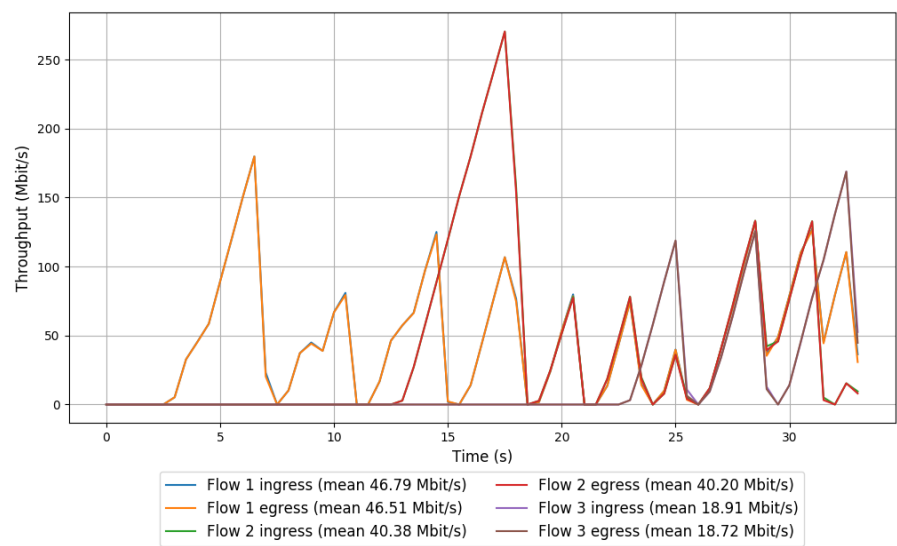
-- Flow 3:

Average throughput: 18.72 Mbit/s

95th percentile per-packet one-way delay: -0.568 ms

Loss rate: 1.08%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 01:09:34 +0000

End at: Wed, 05 Jul 2017 01:10:04 +0000

Local clock offset: 0.662 ms

Remote clock offset: -1.555 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 99.21 Mbit/s

95th percentile per-packet one-way delay: -0.719 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 53.60 Mbit/s

95th percentile per-packet one-way delay: -0.721 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 37.86 Mbit/s

95th percentile per-packet one-way delay: -0.716 ms

Loss rate: 0.54%

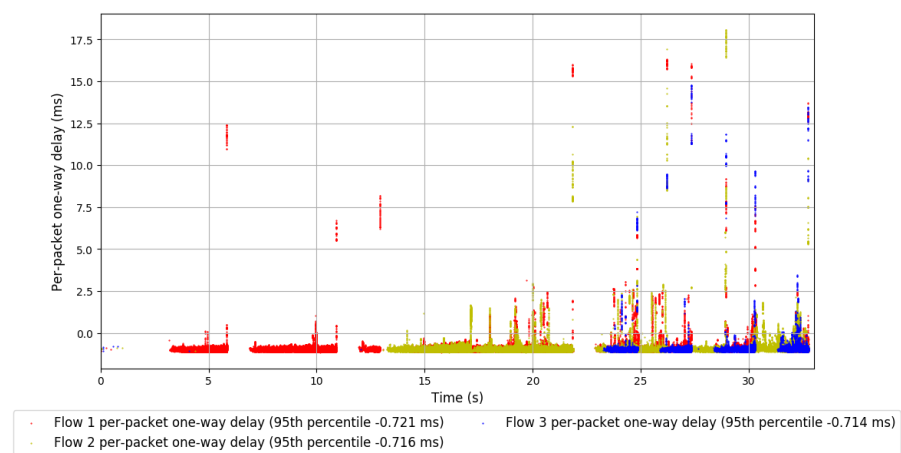
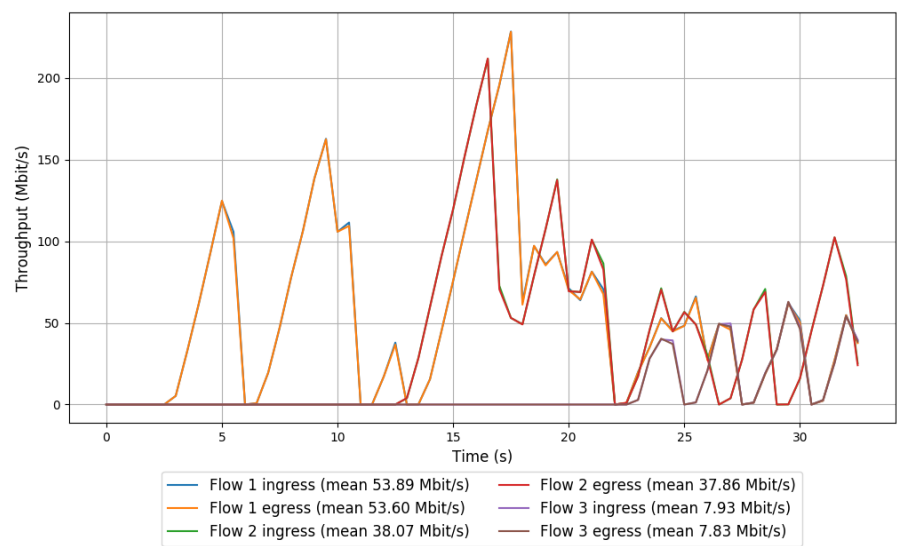
-- Flow 3:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: -0.714 ms

Loss rate: 1.24%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 01:30:22 +0000

End at: Wed, 05 Jul 2017 01:30:52 +0000

Local clock offset: 0.474 ms

Remote clock offset: -1.205 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:28:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 103.43 Mbit/s

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

Loss rate: 0.66%

-- Flow 1:

Average throughput: 50.58 Mbit/s

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

Loss rate: 0.54%

-- Flow 2:

Average throughput: 38.59 Mbit/s

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

Loss rate: 0.67%

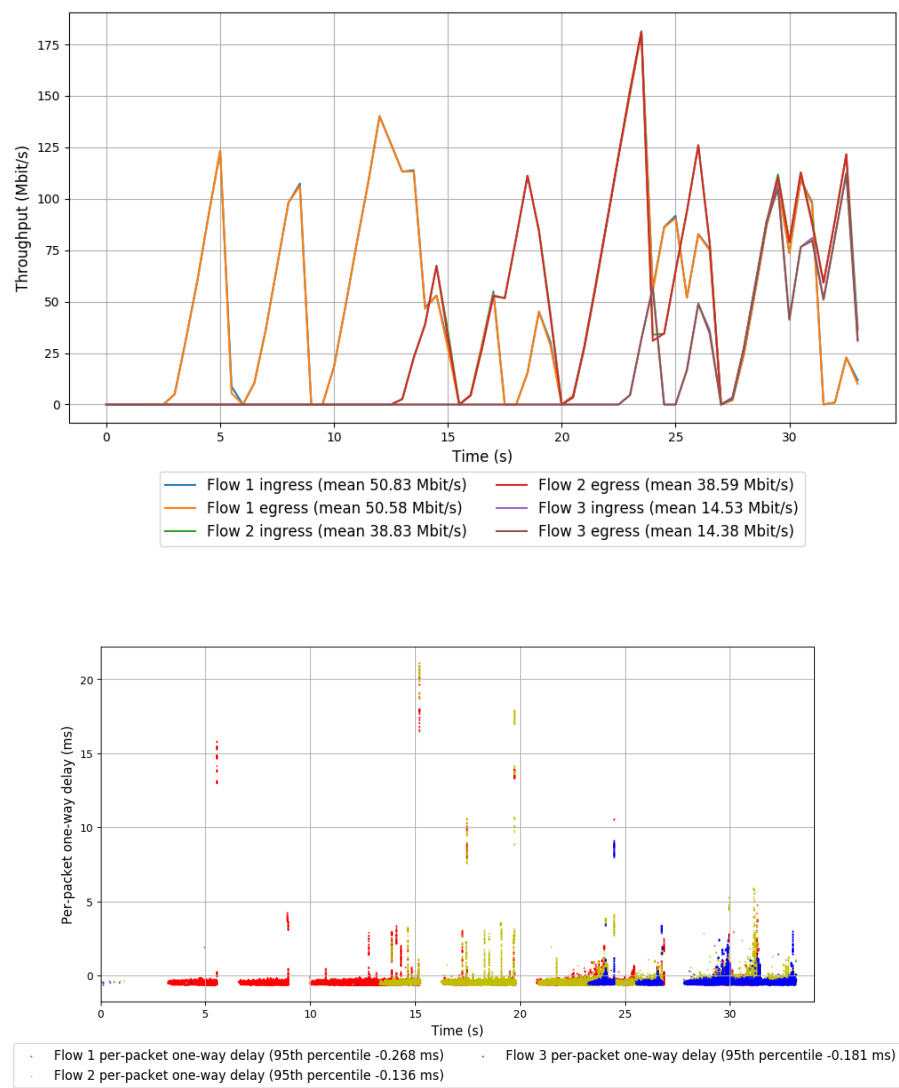
-- Flow 3:

Average throughput: 14.38 Mbit/s

95th percentile per-packet one-way delay: -0.181 ms

Loss rate: 1.08%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:13:42 +0000

End at: Tue, 04 Jul 2017 22:14:12 +0000

Local clock offset: 0.031 ms

Remote clock offset: -1.639 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:29:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 563.85 Mbit/s

95th percentile per-packet one-way delay: 5.373 ms

Loss rate: 7.35%

-- Flow 1:

Average throughput: 429.26 Mbit/s

95th percentile per-packet one-way delay: 5.009 ms

Loss rate: 8.82%

-- Flow 2:

Average throughput: 104.16 Mbit/s

95th percentile per-packet one-way delay: 7.657 ms

Loss rate: 2.86%

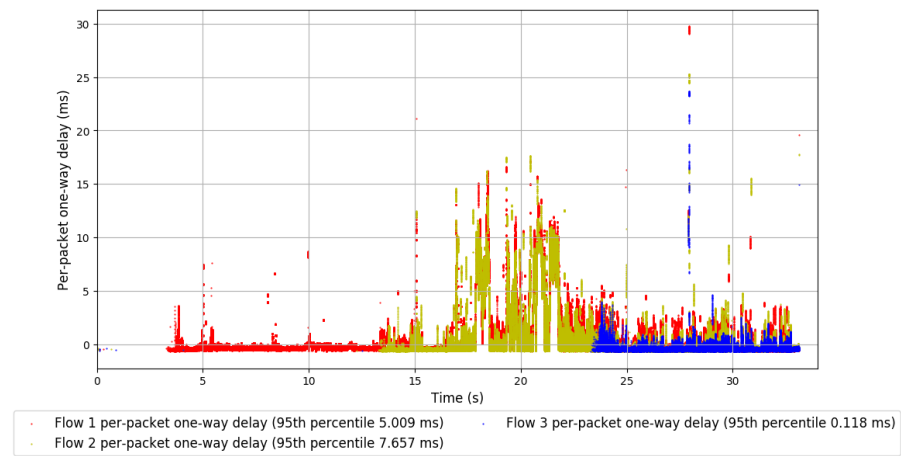
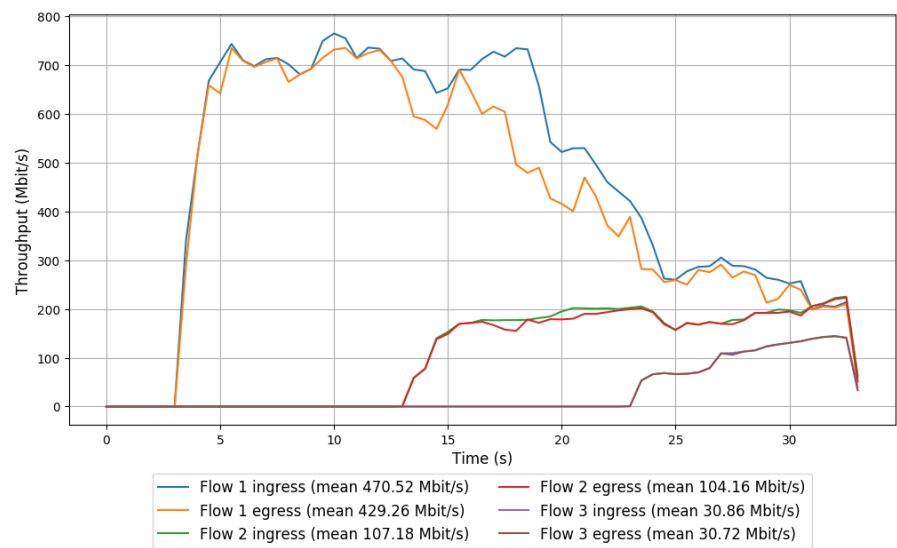
-- Flow 3:

Average throughput: 30.72 Mbit/s

95th percentile per-packet one-way delay: 0.118 ms

Loss rate: 0.54%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:34:25 +0000

End at: Tue, 04 Jul 2017 22:34:55 +0000

Local clock offset: -0.038 ms

Remote clock offset: -1.396 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:29:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 571.31 Mbit/s

95th percentile per-packet one-way delay: 1.922 ms

Loss rate: 6.67%

-- Flow 1:

Average throughput: 360.45 Mbit/s

95th percentile per-packet one-way delay: 1.690 ms

Loss rate: 7.37%

-- Flow 2:

Average throughput: 145.71 Mbit/s

95th percentile per-packet one-way delay: 2.284 ms

Loss rate: 6.18%

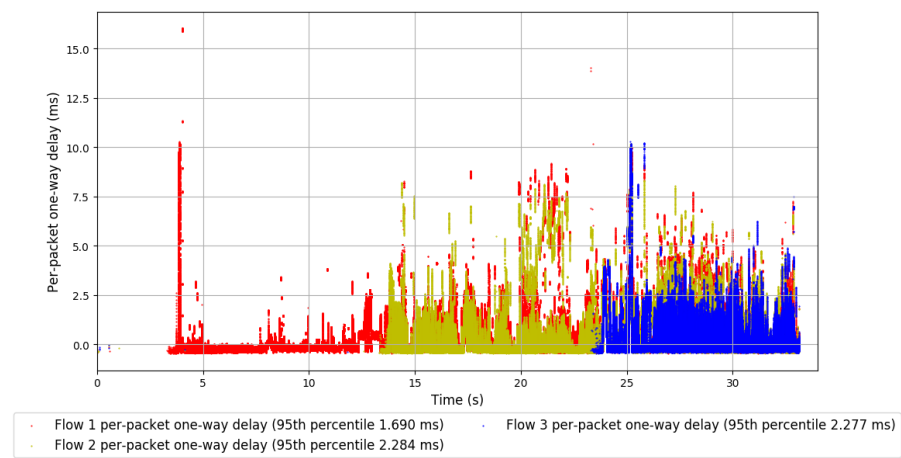
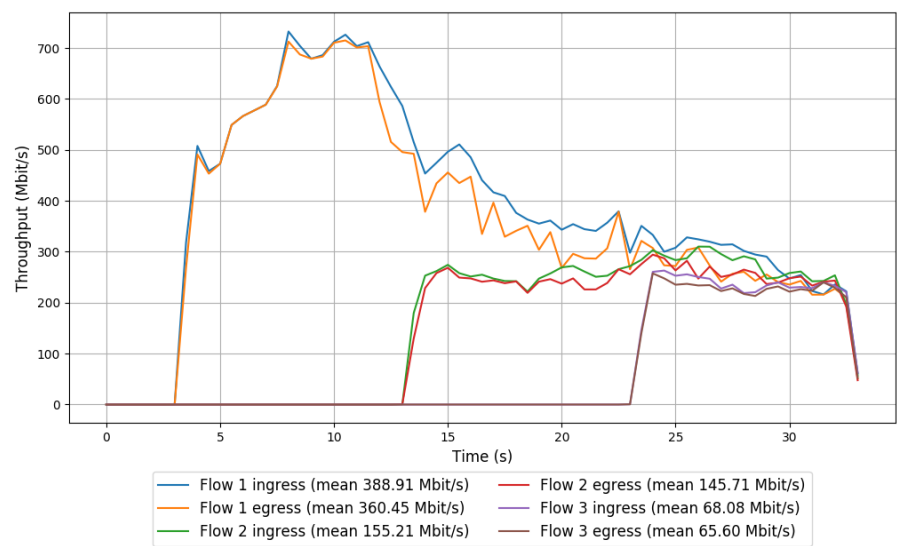
-- Flow 3:

Average throughput: 65.60 Mbit/s

95th percentile per-packet one-way delay: 2.277 ms

Loss rate: 3.73%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:55:01 +0000

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

Local clock offset: -0.012 ms

Remote clock offset: -1.127 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:31:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 518.52 Mbit/s

95th percentile per-packet one-way delay: 2.132 ms

Loss rate: 8.19%

-- Flow 1:

Average throughput: 335.34 Mbit/s

95th percentile per-packet one-way delay: 1.725 ms

Loss rate: 6.41%

-- Flow 2:

Average throughput: 160.41 Mbit/s

95th percentile per-packet one-way delay: 2.679 ms

Loss rate: 12.58%

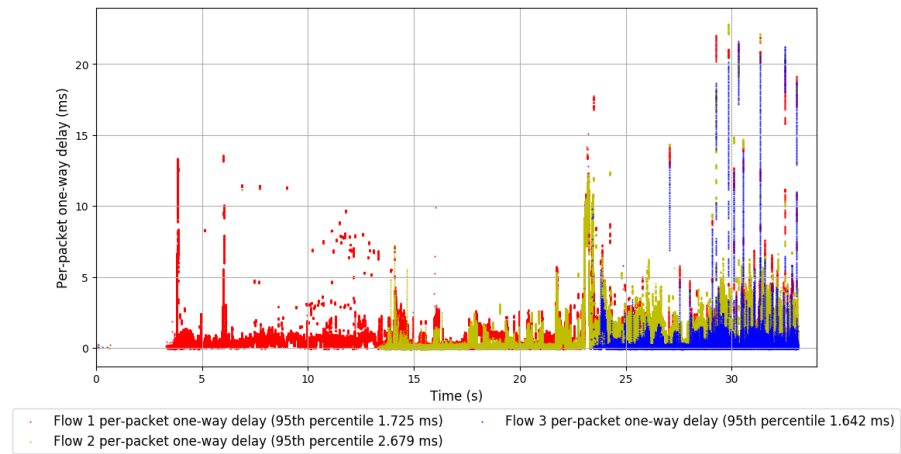
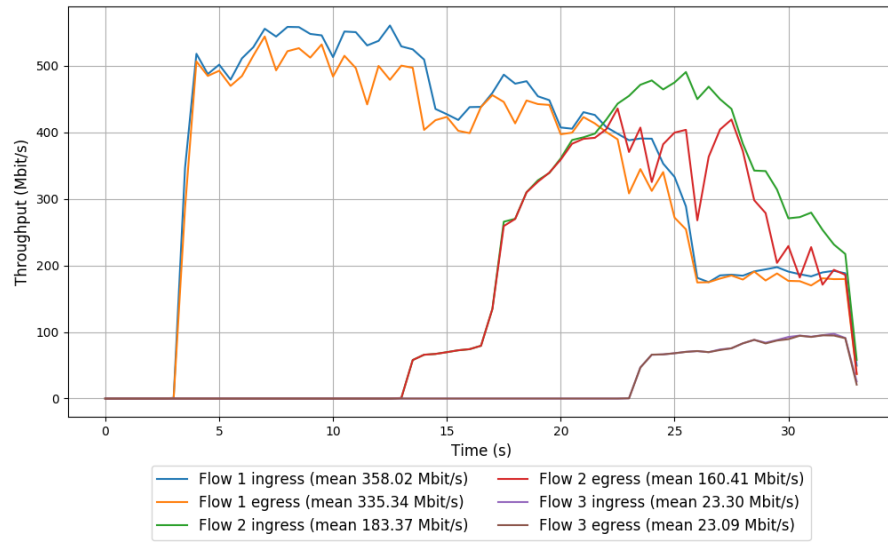
-- Flow 3:

Average throughput: 23.09 Mbit/s

95th percentile per-packet one-way delay: 1.642 ms

Loss rate: 0.96%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:15:53 +0000

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

Local clock offset: -0.26 ms

Remote clock offset: -0.902 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:31:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 538.49 Mbit/s

95th percentile per-packet one-way delay: 8.914 ms

Loss rate: 10.50%

-- Flow 1:

Average throughput: 358.96 Mbit/s

95th percentile per-packet one-way delay: 8.993 ms

Loss rate: 11.83%

-- Flow 2:

Average throughput: 116.17 Mbit/s

95th percentile per-packet one-way delay: 9.082 ms

Loss rate: 5.93%

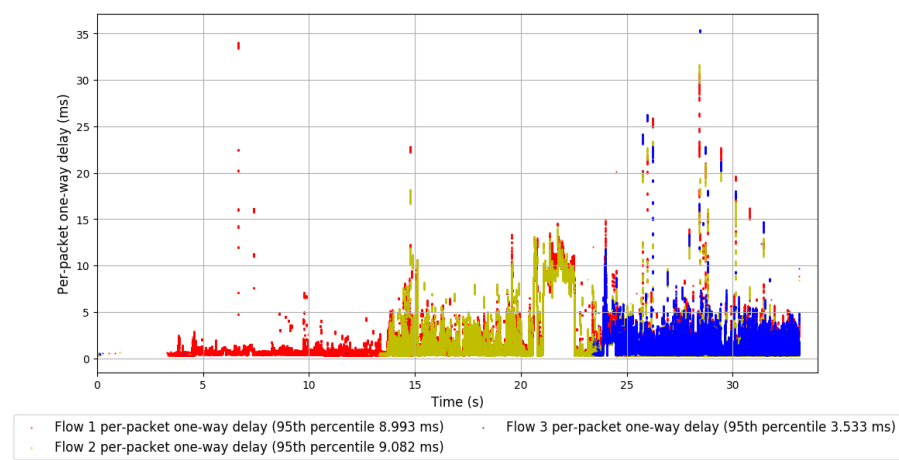
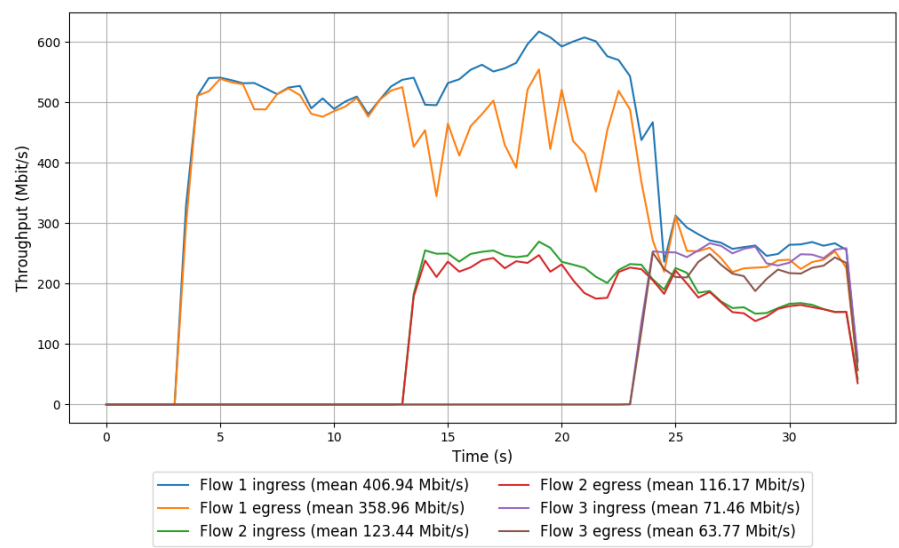
-- Flow 3:

Average throughput: 63.77 Mbit/s

95th percentile per-packet one-way delay: 3.533 ms

Loss rate: 10.80%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:36:36 +0000

End at: Tue, 04 Jul 2017 23:37:06 +0000

Local clock offset: -0.246 ms

Remote clock offset: -0.971 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:32:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 539.60 Mbit/s

95th percentile per-packet one-way delay: 6.604 ms

Loss rate: 8.44%

-- Flow 1:

Average throughput: 394.72 Mbit/s

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

Loss rate: 9.60%

-- Flow 2:

Average throughput: 86.01 Mbit/s

95th percentile per-packet one-way delay: 8.755 ms

Loss rate: 2.23%

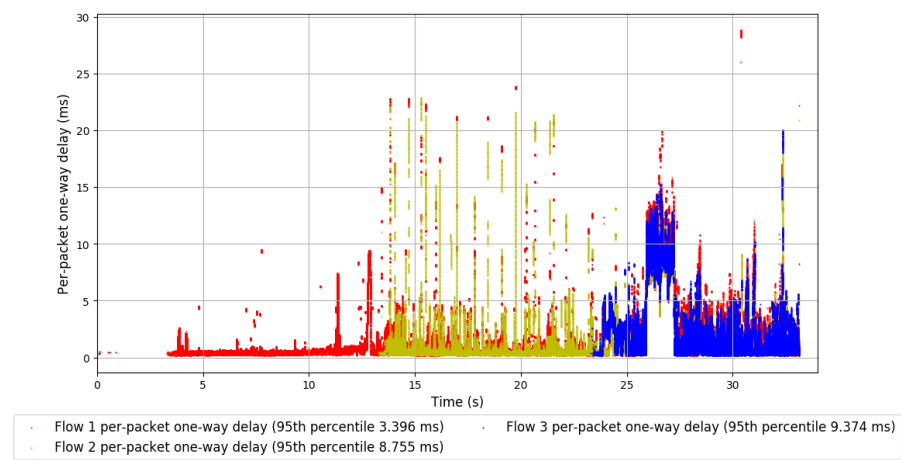
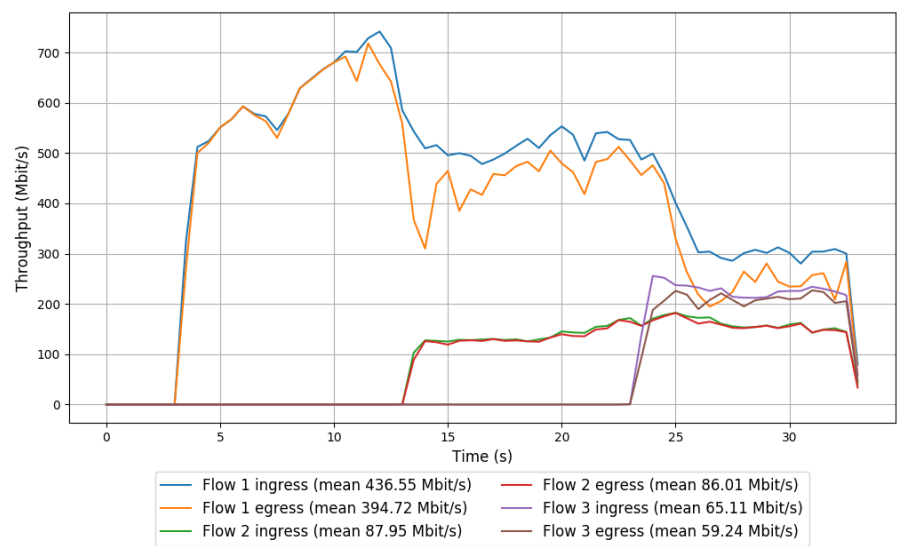
-- Flow 3:

Average throughput: 59.24 Mbit/s

95th percentile per-packet one-way delay: 9.374 ms

Loss rate: 9.06%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:57:21 +0000

End at: Tue, 04 Jul 2017 23:57:51 +0000

Local clock offset: -0.221 ms

Remote clock offset: -1.006 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:32:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 557.88 Mbit/s

95th percentile per-packet one-way delay: 2.717 ms

Loss rate: 8.41%

-- Flow 1:

Average throughput: 385.76 Mbit/s

95th percentile per-packet one-way delay: 2.603 ms

Loss rate: 10.63%

-- Flow 2:

Average throughput: 131.73 Mbit/s

95th percentile per-packet one-way delay: 3.389 ms

Loss rate: 3.31%

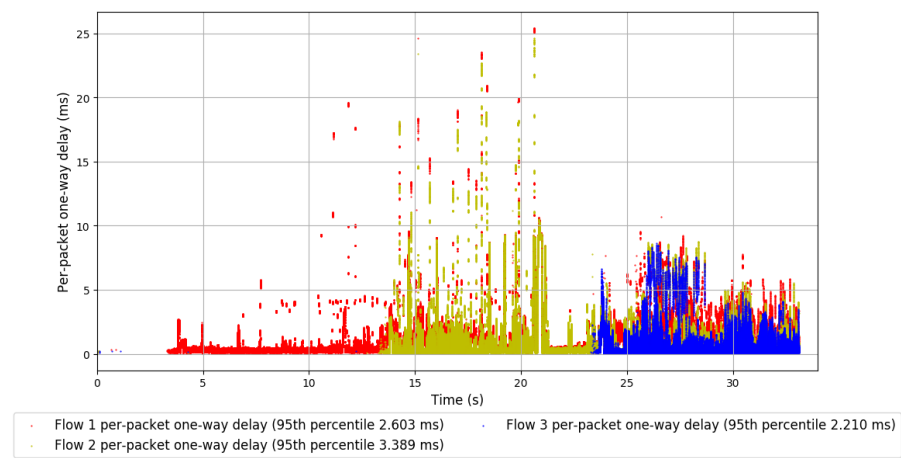
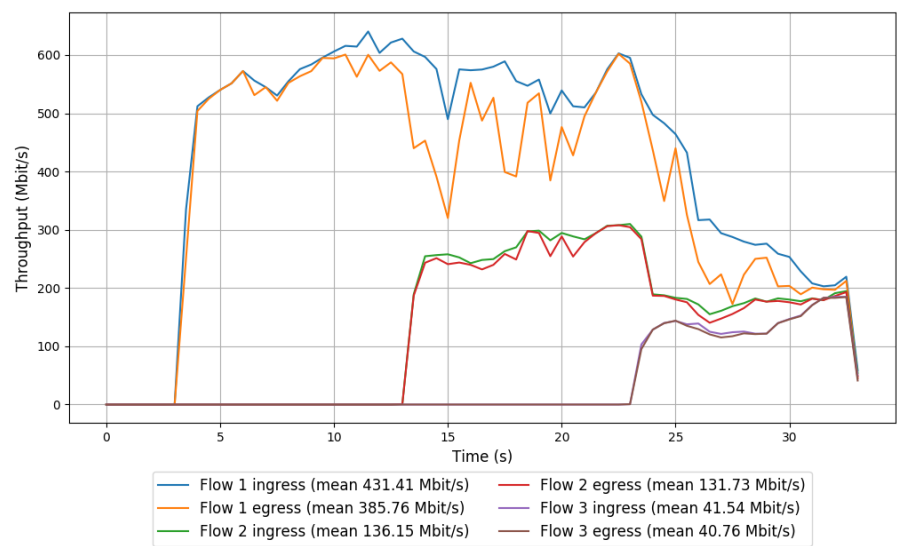
-- Flow 3:

Average throughput: 40.76 Mbit/s

95th percentile per-packet one-way delay: 2.210 ms

Loss rate: 1.96%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

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

End at: Wed, 05 Jul 2017 00:18:35 +0000

Local clock offset: 0.06 ms

Remote clock offset: -1.036 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 587.86 Mbit/s

95th percentile per-packet one-way delay: 1.950 ms

Loss rate: 9.66%

-- Flow 1:

Average throughput: 445.87 Mbit/s

95th percentile per-packet one-way delay: 1.901 ms

Loss rate: 11.79%

-- Flow 2:

Average throughput: 79.75 Mbit/s

95th percentile per-packet one-way delay: 1.927 ms

Loss rate: 1.03%

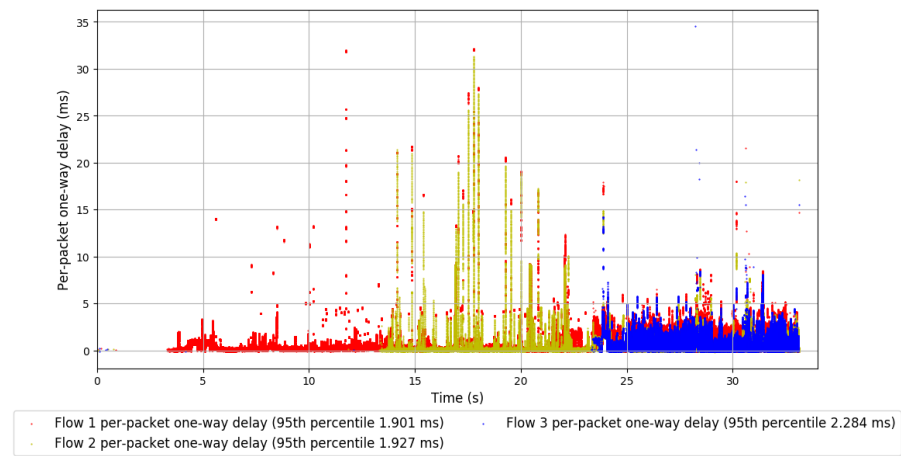
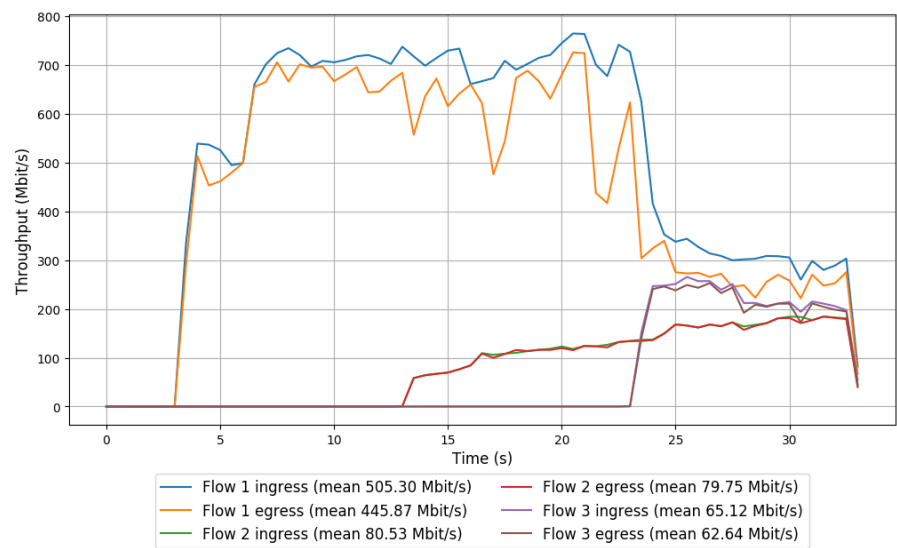
-- Flow 3:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 2.284 ms

Loss rate: 3.83%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Wed, 05 Jul 2017 00:38:44 +0000

End at: Wed, 05 Jul 2017 00:39:14 +0000

Local clock offset: 0.413 ms

Remote clock offset: -1.121 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 518.25 Mbit/s

95th percentile per-packet one-way delay: 1.709 ms

Loss rate: 7.05%

-- Flow 1:

Average throughput: 362.39 Mbit/s

95th percentile per-packet one-way delay: 1.481 ms

Loss rate: 7.77%

-- Flow 2:

Average throughput: 144.79 Mbit/s

95th percentile per-packet one-way delay: 2.399 ms

Loss rate: 5.71%

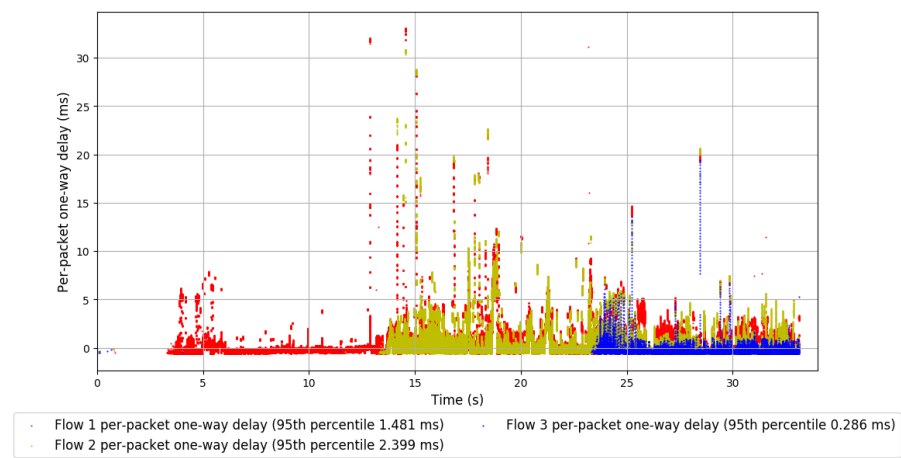
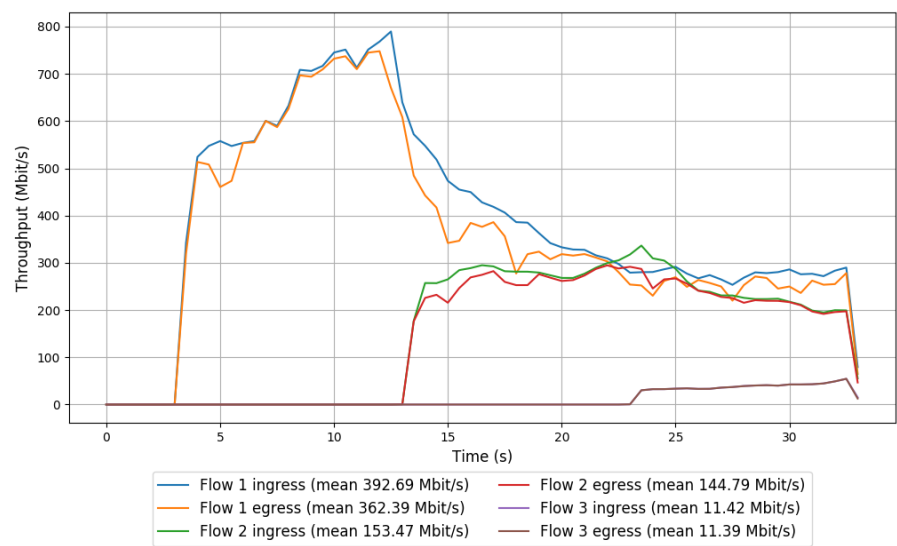
-- Flow 3:

Average throughput: 11.39 Mbit/s

95th percentile per-packet one-way delay: 0.286 ms

Loss rate: 0.36%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Wed, 05 Jul 2017 00:59:18 +0000

End at: Wed, 05 Jul 2017 00:59:48 +0000

Local clock offset: 0.696 ms

Remote clock offset: -1.521 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 514.97 Mbit/s

95th percentile per-packet one-way delay: 0.669 ms

Loss rate: 5.97%

-- Flow 1:

Average throughput: 368.48 Mbit/s

95th percentile per-packet one-way delay: 0.623 ms

Loss rate: 7.37%

-- Flow 2:

Average throughput: 123.62 Mbit/s

95th percentile per-packet one-way delay: 0.961 ms

Loss rate: 2.53%

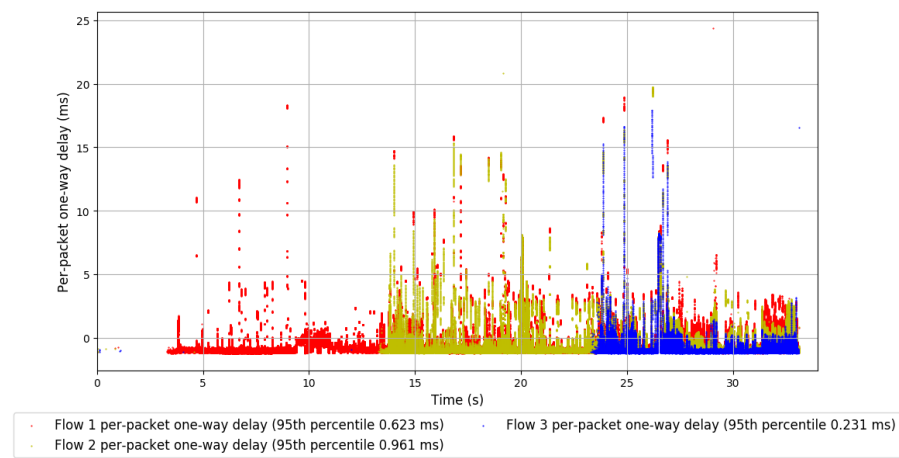
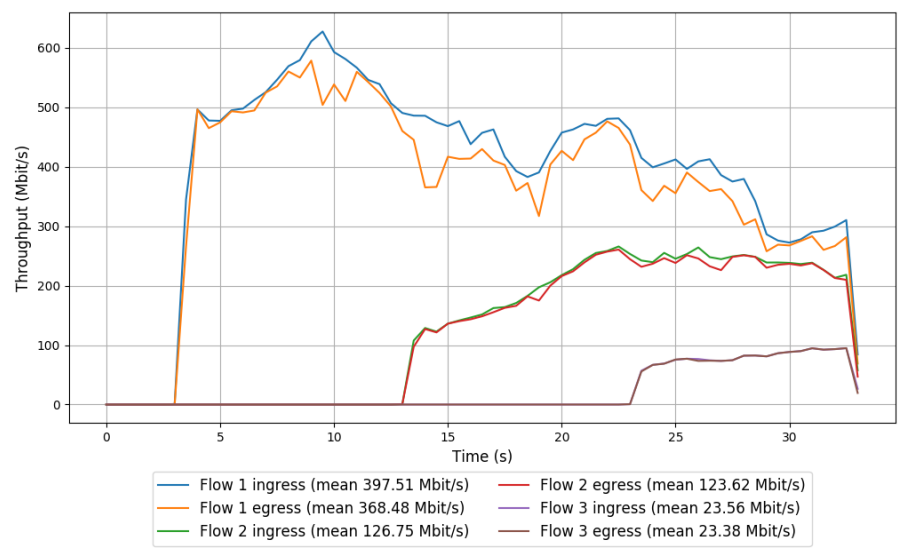
-- Flow 3:

Average throughput: 23.38 Mbit/s

95th percentile per-packet one-way delay: 0.231 ms

Loss rate: 0.77%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Wed, 05 Jul 2017 01:19:58 +0000

End at: Wed, 05 Jul 2017 01:20:28 +0000

Local clock offset: 0.556 ms

Remote clock offset: -1.364 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 531.84 Mbit/s

95th percentile per-packet one-way delay: 8.080 ms

Loss rate: 11.95%

-- Flow 1:

Average throughput: 457.88 Mbit/s

95th percentile per-packet one-way delay: 8.134 ms

Loss rate: 13.32%

-- Flow 2:

Average throughput: 72.68 Mbit/s

95th percentile per-packet one-way delay: 7.701 ms

Loss rate: 2.41%

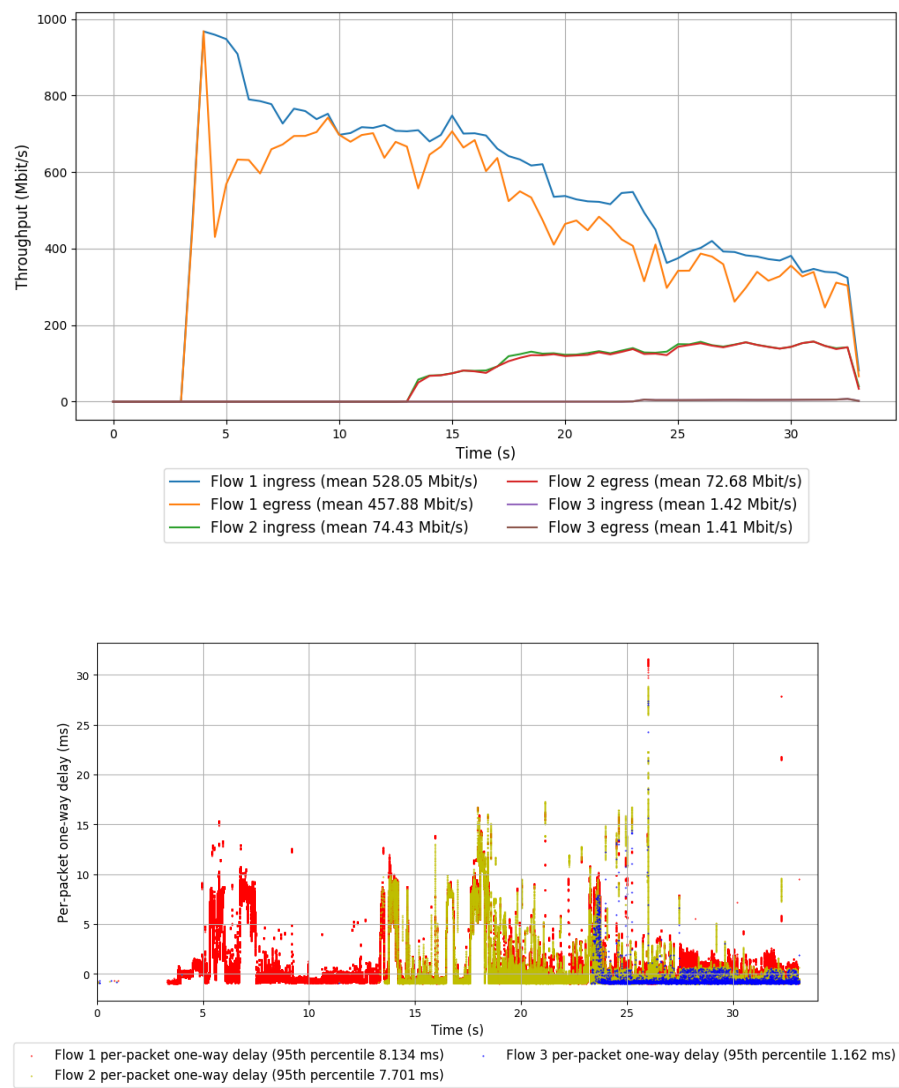
-- Flow 3:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 1.162 ms

Loss rate: 0.36%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 22:05:42 +0000

End at: Tue, 04 Jul 2017 22:06:12 +0000

Local clock offset: -0.007 ms

Remote clock offset: -1.617 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.746 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.803 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.219 ms

Loss rate: 0.00%

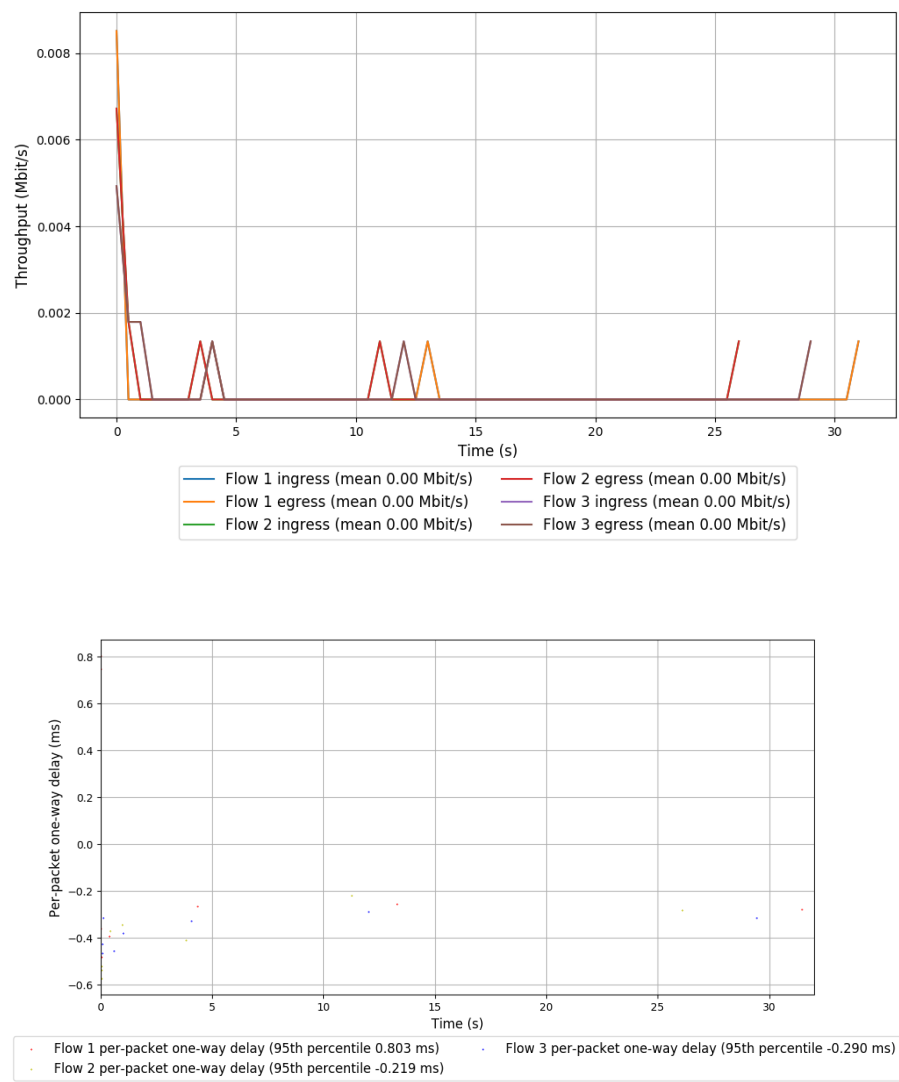
-- Flow 3:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 22:26:32 +0000

End at: Tue, 04 Jul 2017 22:27:02 +0000

Local clock offset: 0.056 ms

Remote clock offset: -1.583 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.098 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.123 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.192 ms

Loss rate: 0.00%

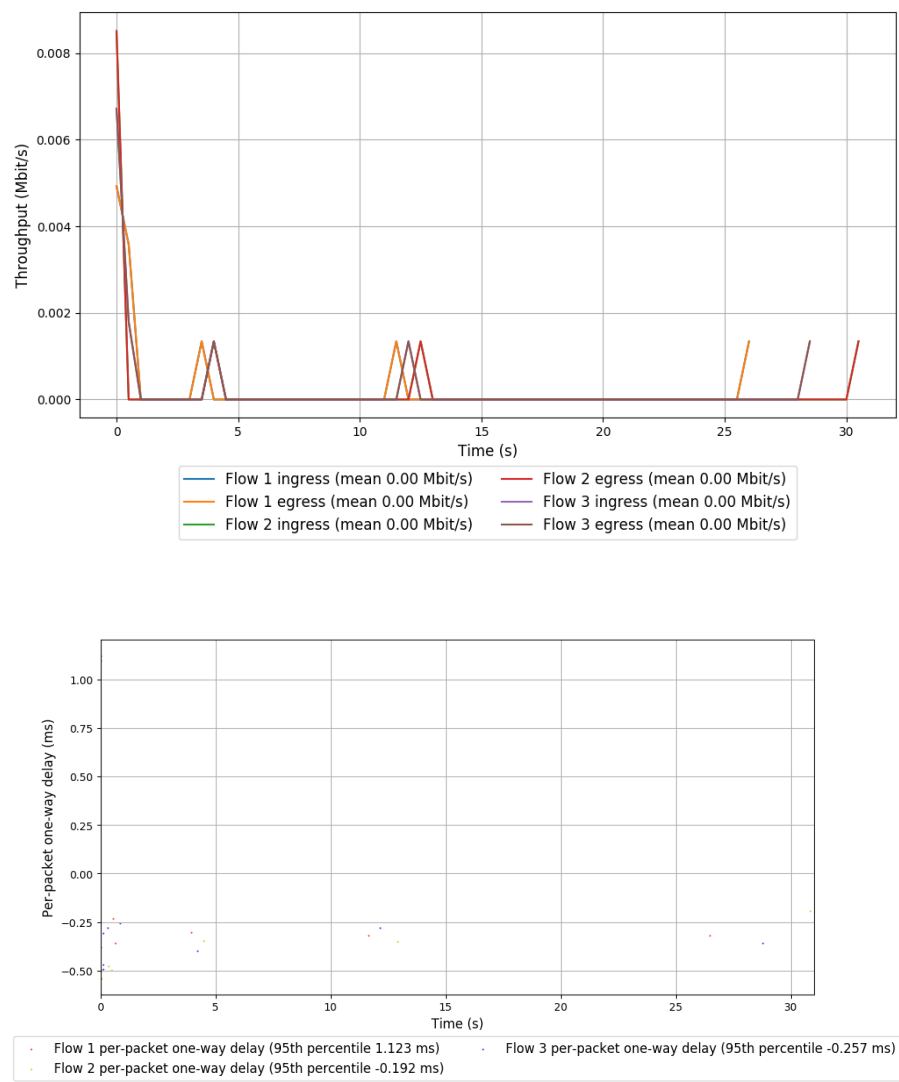
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.257 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 22:47:12 +0000

End at: Tue, 04 Jul 2017 22:47:42 +0000

Local clock offset: 0.034 ms

Remote clock offset: -1.294 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.398 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.119 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.406 ms

Loss rate: 0.00%

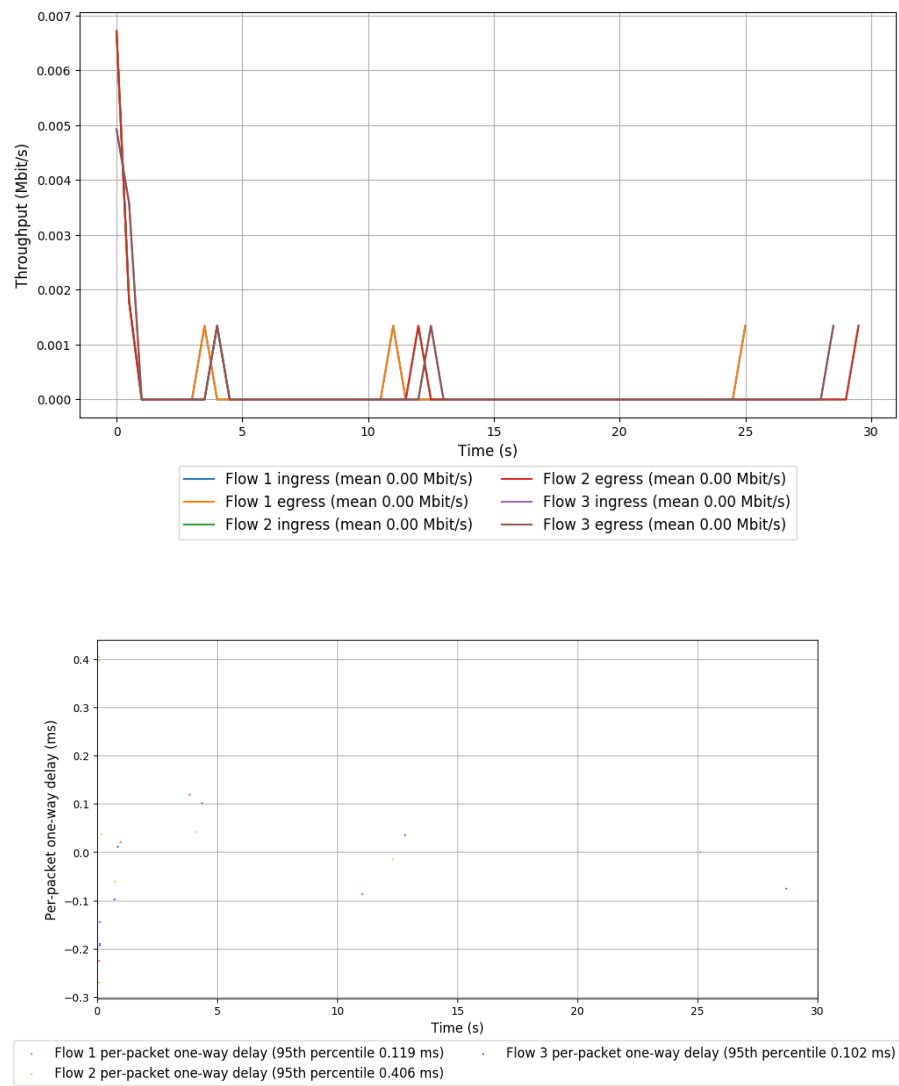
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.102 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 23:07:49 +0000

End at: Tue, 04 Jul 2017 23:08:19 +0000

Local clock offset: -0.283 ms

Remote clock offset: -0.866 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.662 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.662 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.705 ms

Loss rate: 0.00%

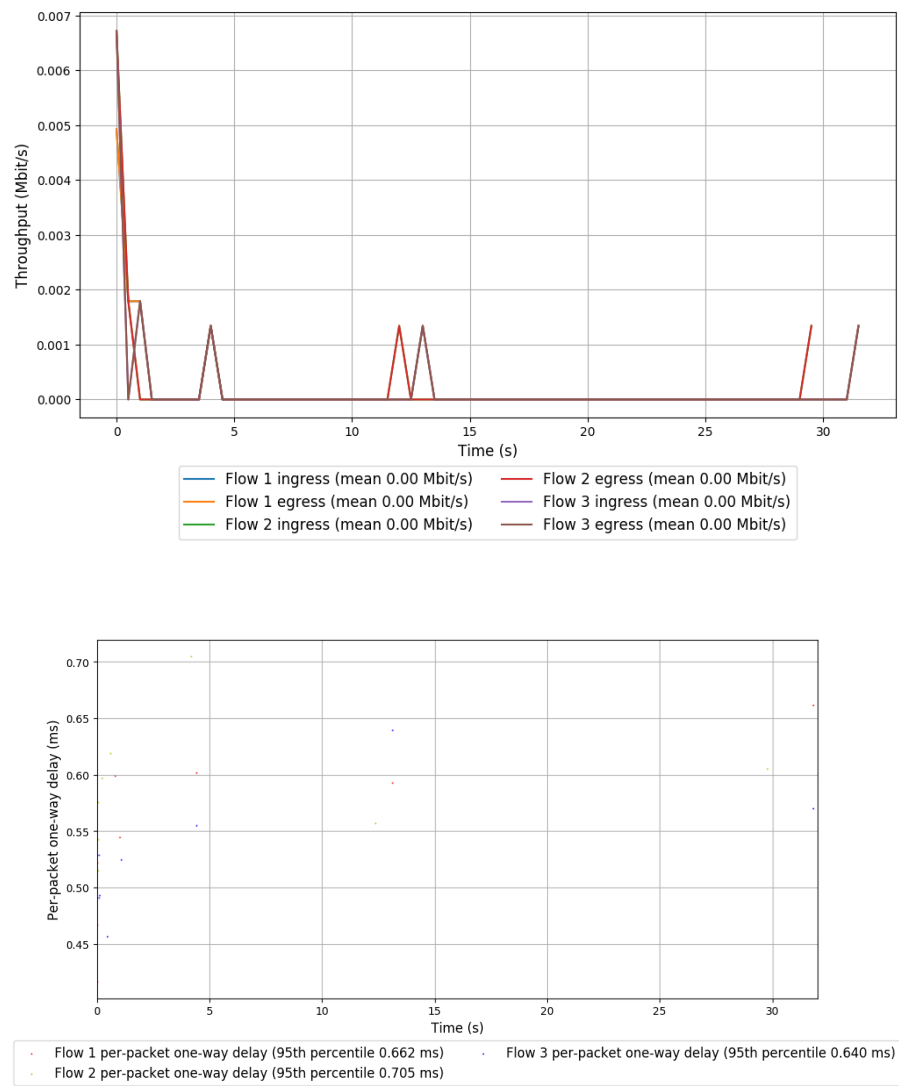
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.640 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 23:28:39 +0000

End at: Tue, 04 Jul 2017 23:29:09 +0000

Local clock offset: -0.302 ms

Remote clock offset: -1.062 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.713 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.713 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.833 ms

Loss rate: 0.00%

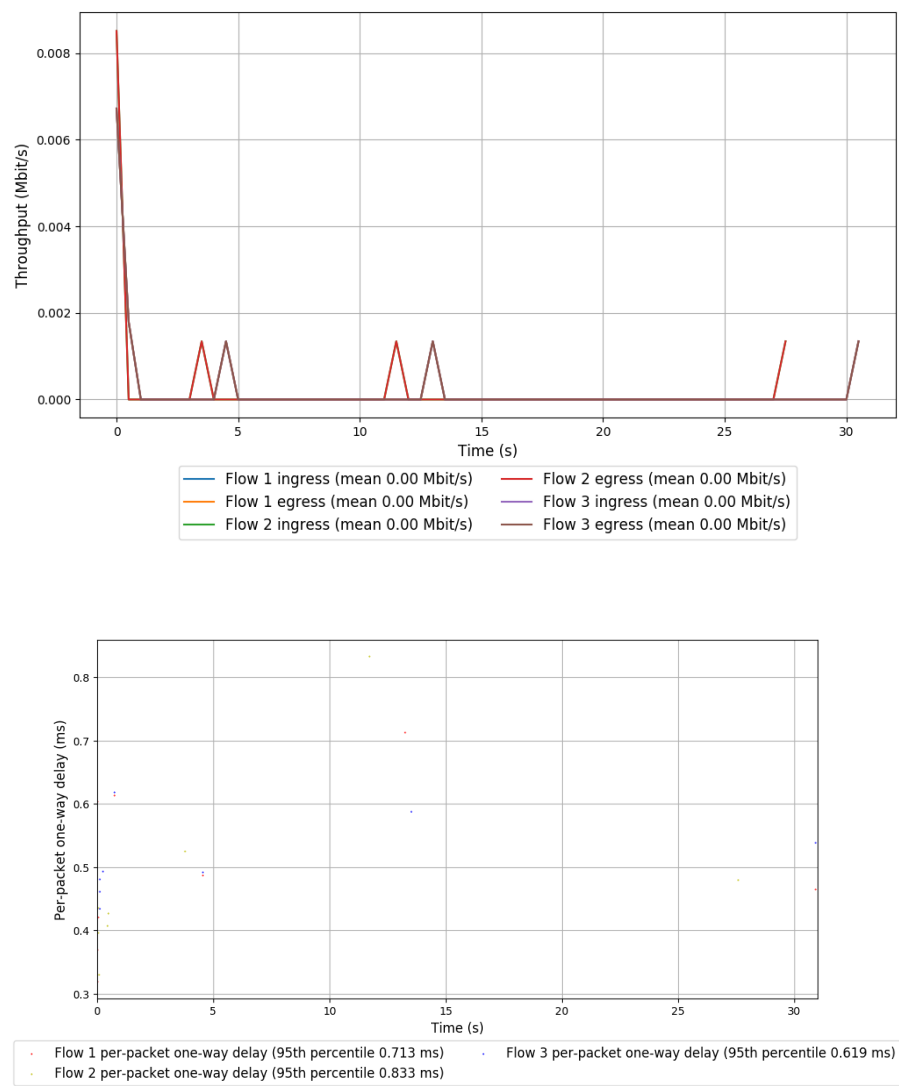
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.619 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 23:49:18 +0000

End at: Tue, 04 Jul 2017 23:49:48 +0000

Local clock offset: -0.216 ms

Remote clock offset: -0.953 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.558 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.583 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.456 ms

Loss rate: 0.00%

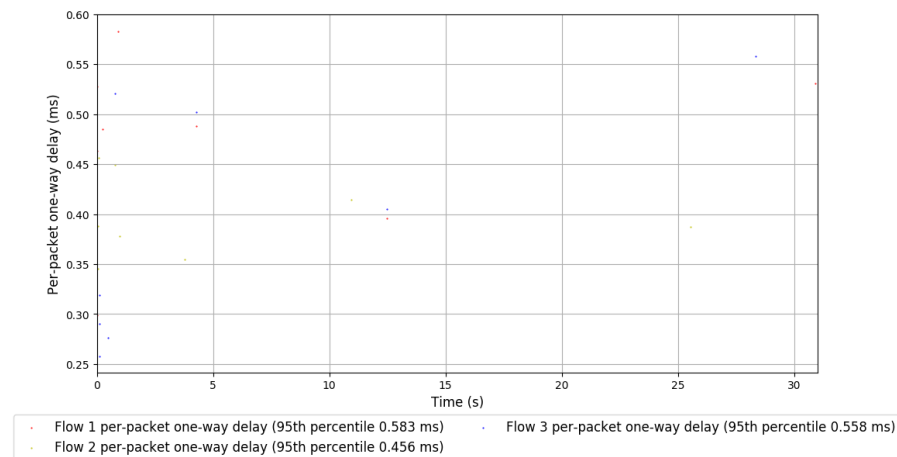
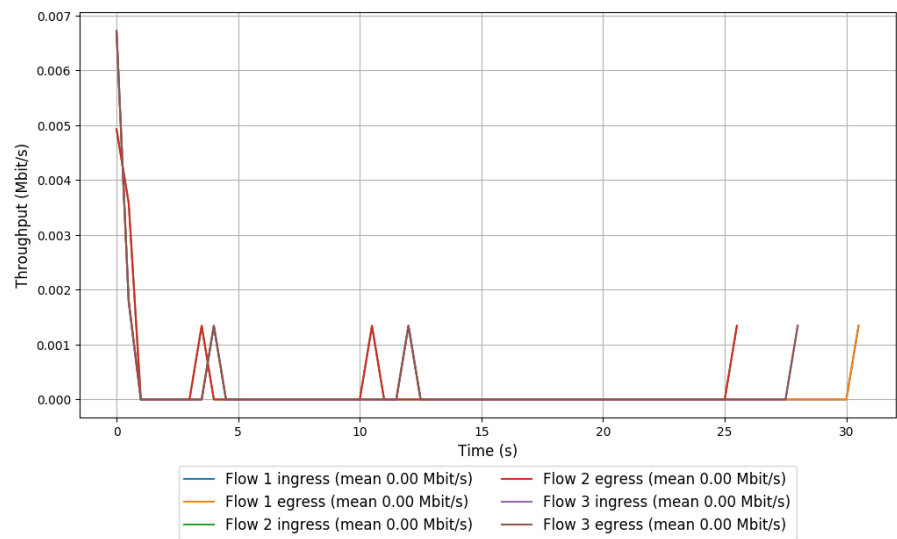
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.558 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

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

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

Local clock offset: -0.03 ms

Remote clock offset: -1.083 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.246 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.221 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 7.366 ms

Loss rate: 0.00%

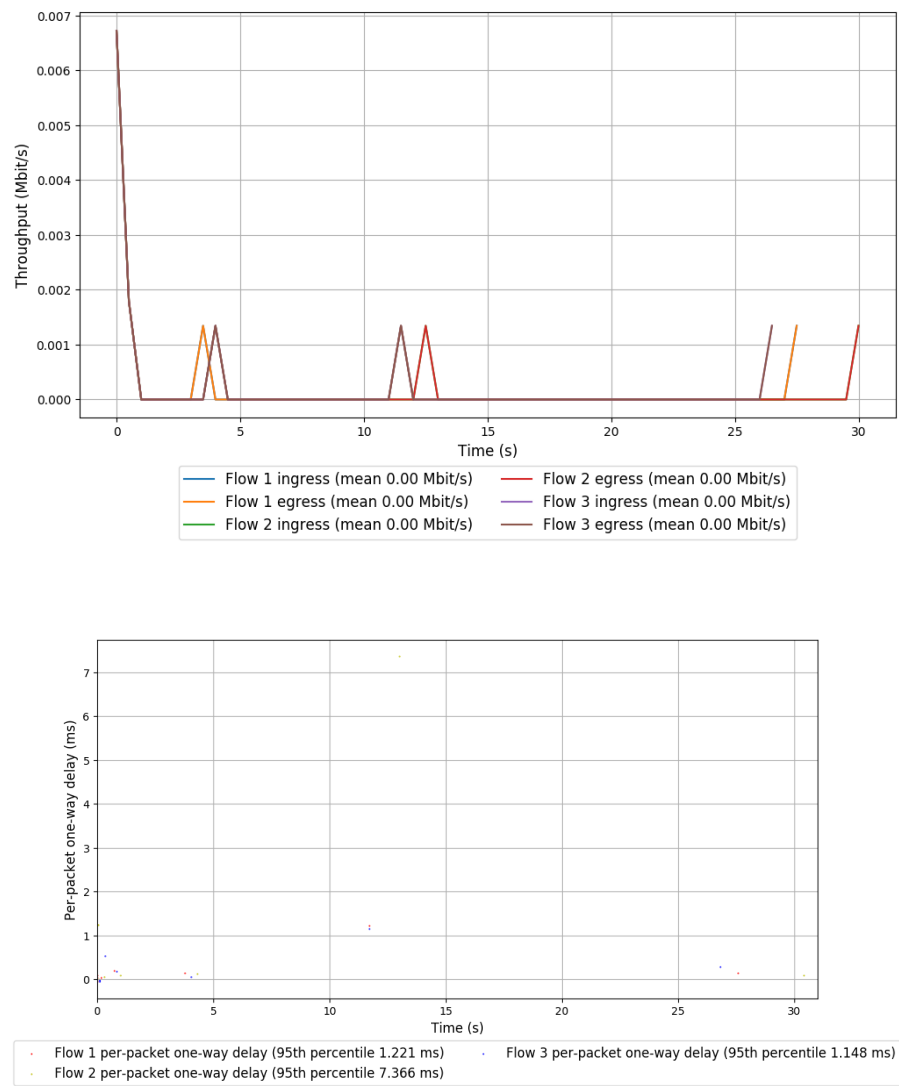
-- Flow 3:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 00:30:57 +0000

End at: Wed, 05 Jul 2017 00:31:27 +0000

Local clock offset: 0.327 ms

Remote clock offset: -1.047 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.015 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.015 ms

Loss rate: 0.00%

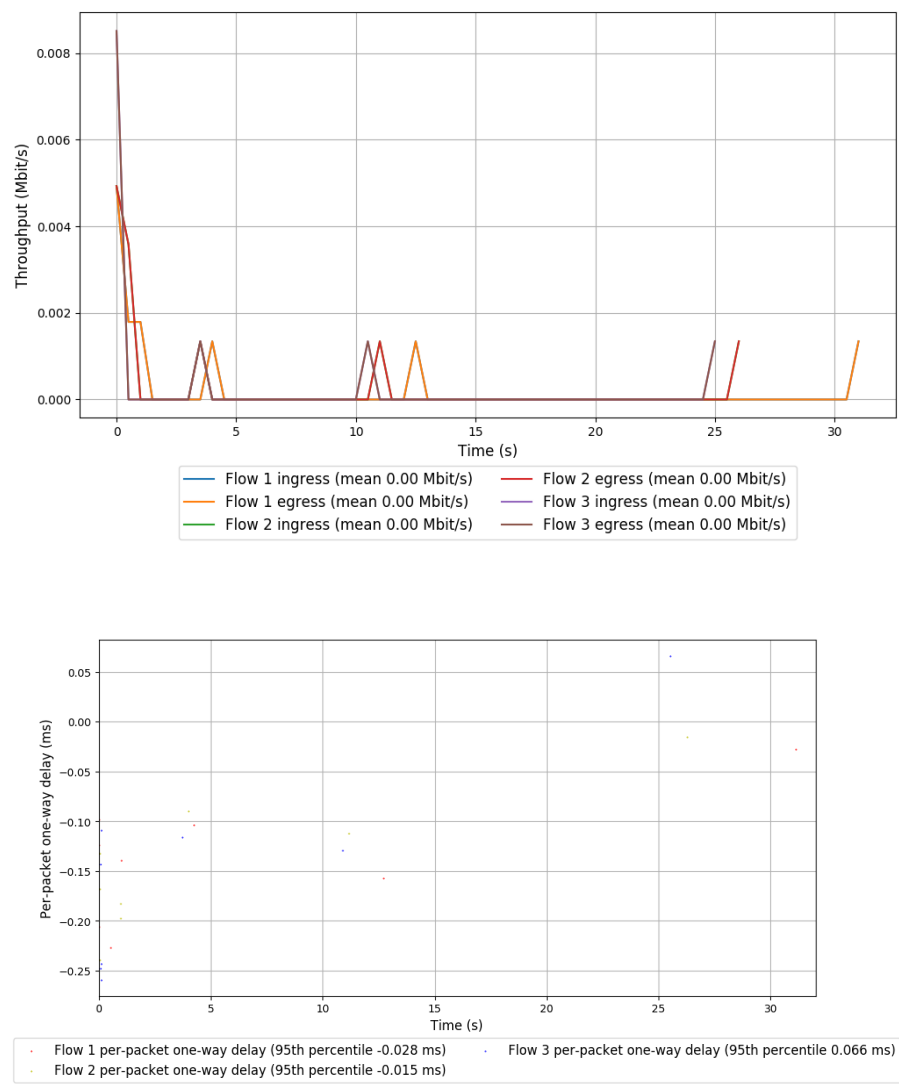
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.066 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 00:51:26 +0000

End at: Wed, 05 Jul 2017 00:51:56 +0000

Local clock offset: 0.553 ms

Remote clock offset: -1.341 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.617 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.617 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.587 ms

Loss rate: 0.00%

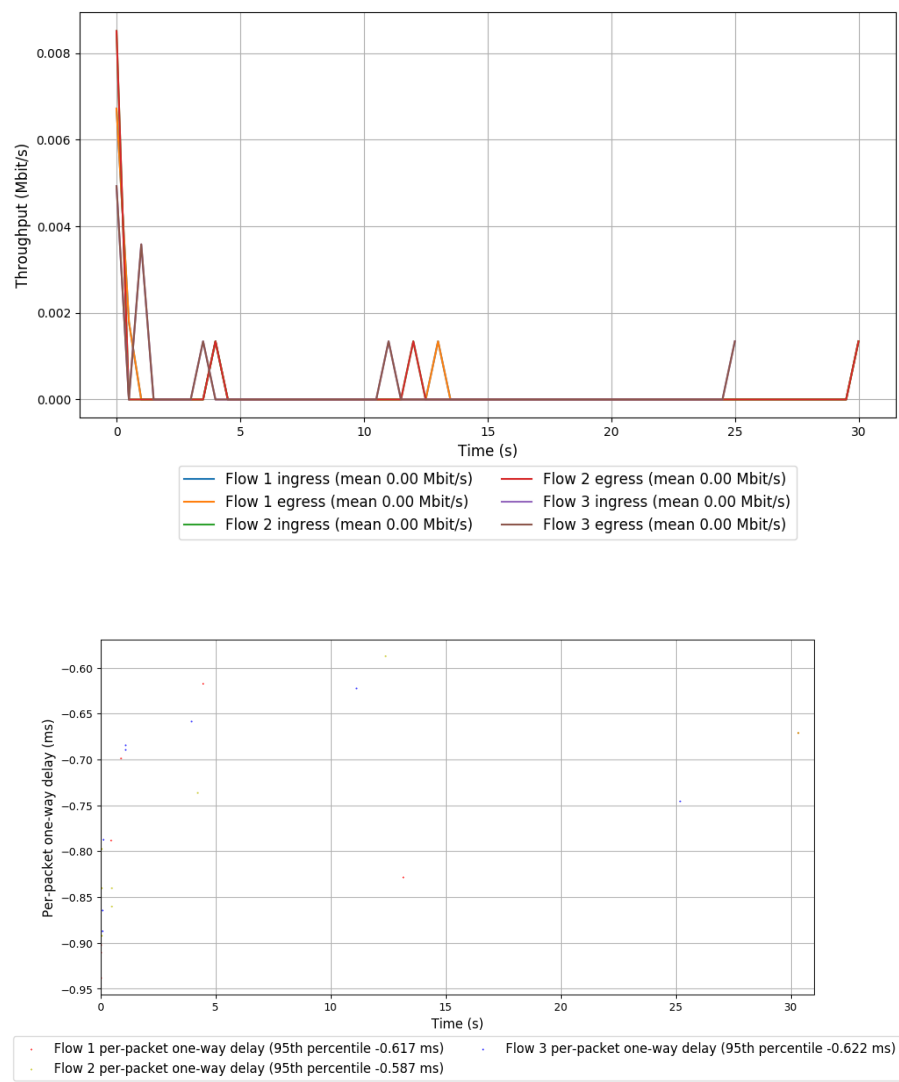
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.622 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

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

End at: Wed, 05 Jul 2017 01:12:31 +0000

Local clock offset: 0.553 ms

Remote clock offset: -1.465 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.170 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.882 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.063 ms

Loss rate: 0.00%

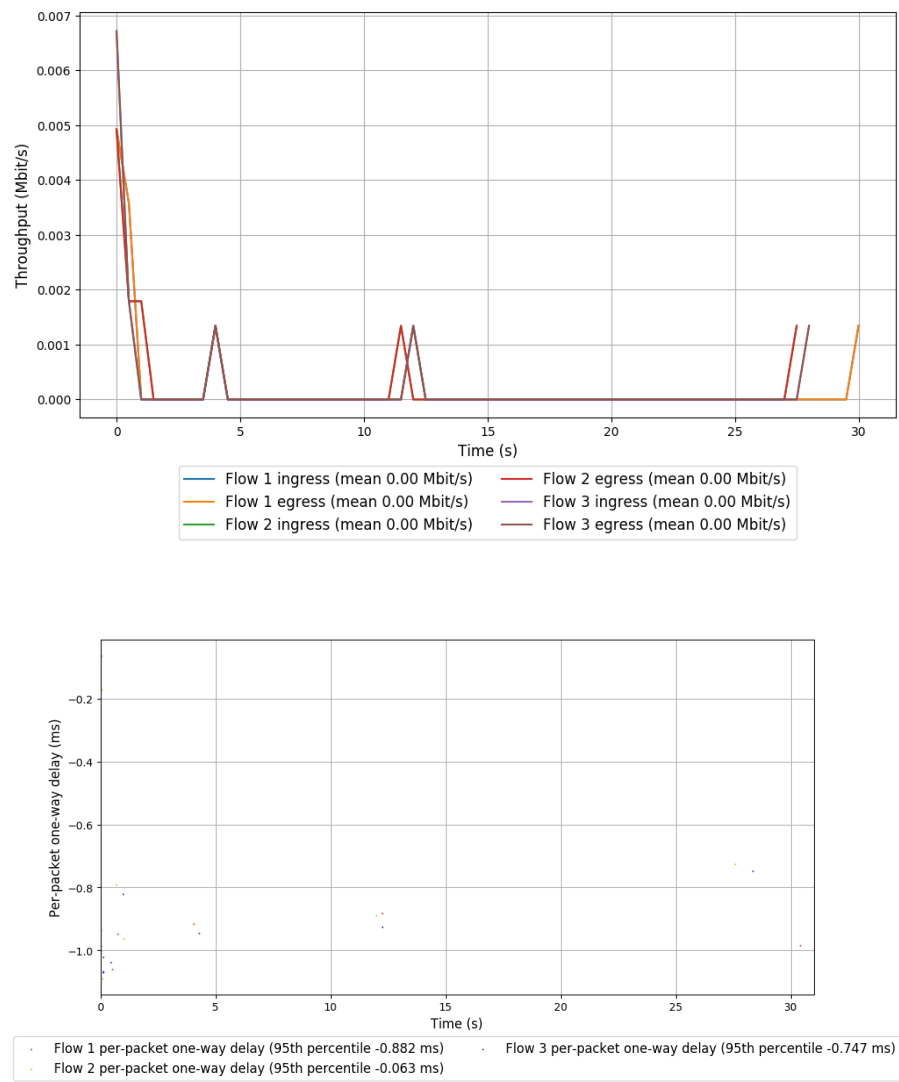
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.747 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:12:17 +0000

End at: Tue, 04 Jul 2017 22:12:47 +0000

Local clock offset: 0.0 ms

Remote clock offset: -1.629 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:35:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.06 Mbit/s

95th percentile per-packet one-way delay: -0.039 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 106.38 Mbit/s

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

Loss rate: 0.53%

-- Flow 2:

Average throughput: 70.67 Mbit/s

95th percentile per-packet one-way delay: 0.047 ms

Loss rate: 0.62%

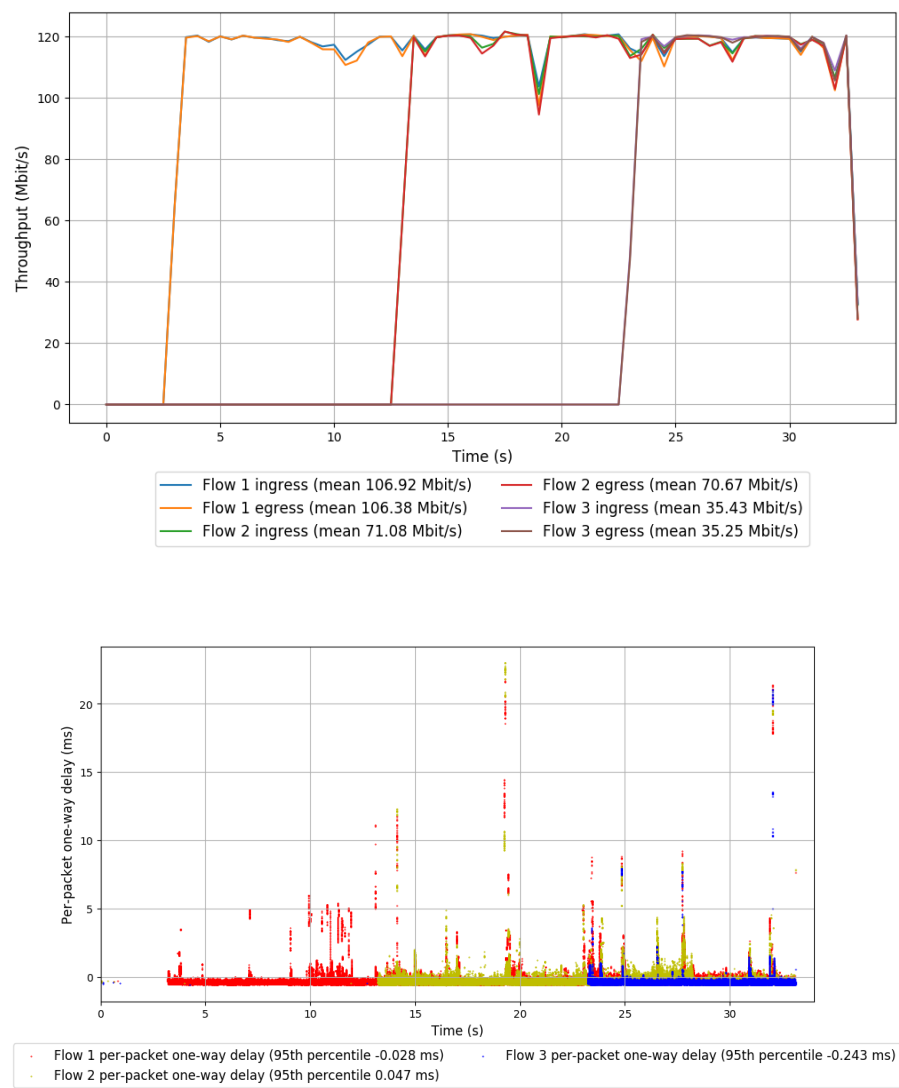
-- Flow 3:

Average throughput: 35.25 Mbit/s

95th percentile per-packet one-way delay: -0.243 ms

Loss rate: 0.59%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:32:59 +0000

End at: Tue, 04 Jul 2017 22:33:29 +0000

Local clock offset: -0.046 ms

Remote clock offset: -1.44 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 214.03 Mbit/s

95th percentile per-packet one-way delay: 0.075 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 106.73 Mbit/s

95th percentile per-packet one-way delay: 0.214 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 71.81 Mbit/s

95th percentile per-packet one-way delay: -0.060 ms

Loss rate: 0.36%

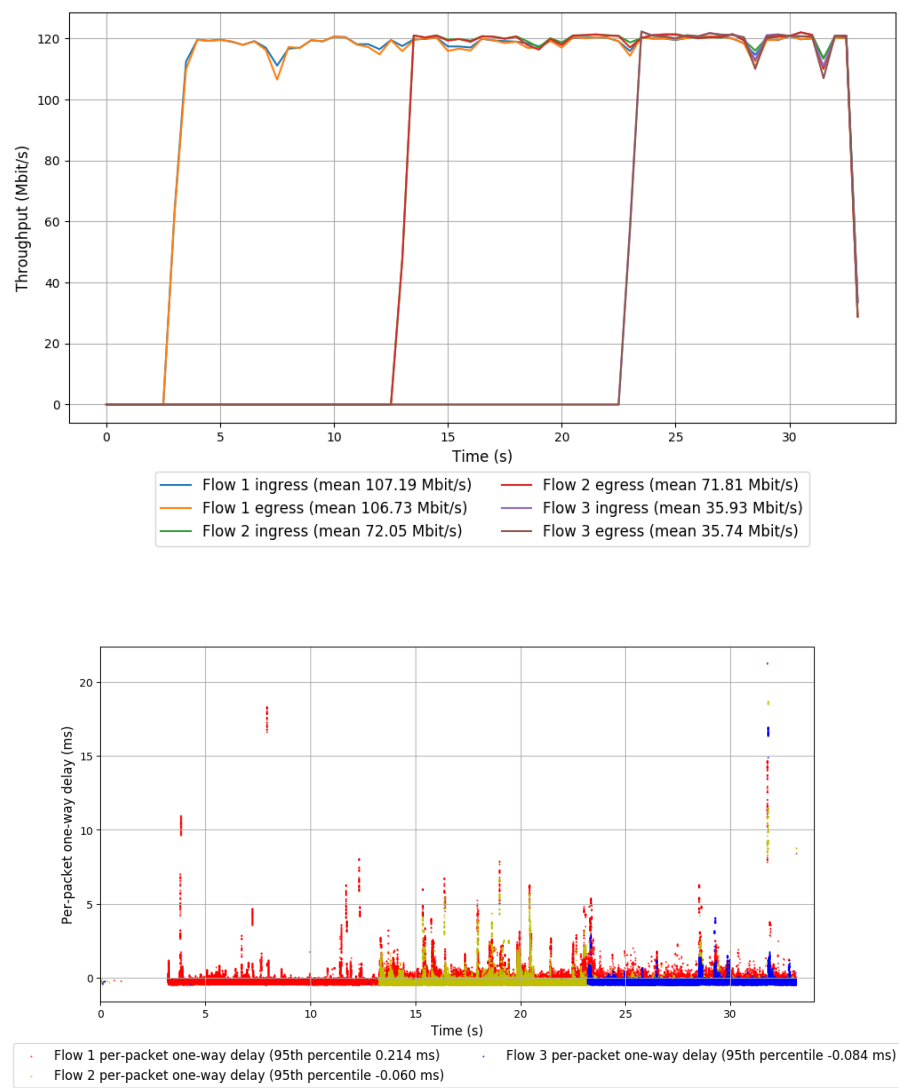
-- Flow 3:

Average throughput: 35.74 Mbit/s

95th percentile per-packet one-way delay: -0.084 ms

Loss rate: 0.58%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

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

End at: Tue, 04 Jul 2017 22:54:06 +0000

Local clock offset: -0.094 ms

Remote clock offset: -1.195 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.16 Mbit/s

95th percentile per-packet one-way delay: 0.574 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 105.97 Mbit/s

95th percentile per-packet one-way delay: 0.572 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 71.02 Mbit/s

95th percentile per-packet one-way delay: 0.531 ms

Loss rate: 0.50%

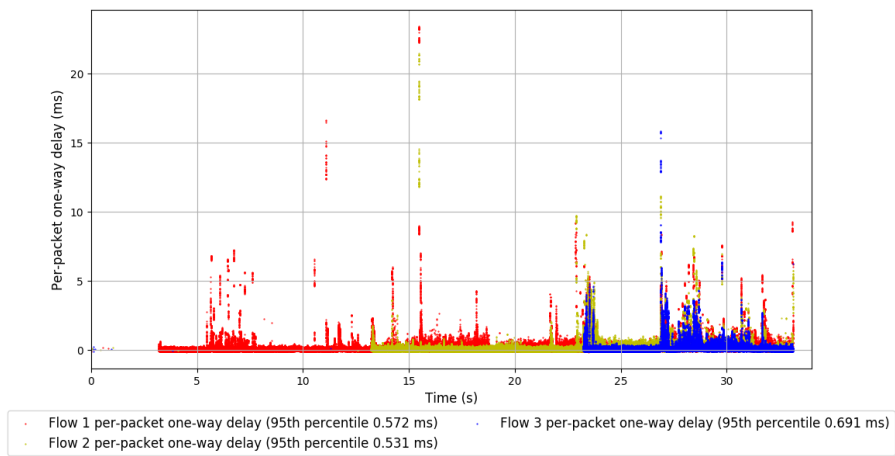
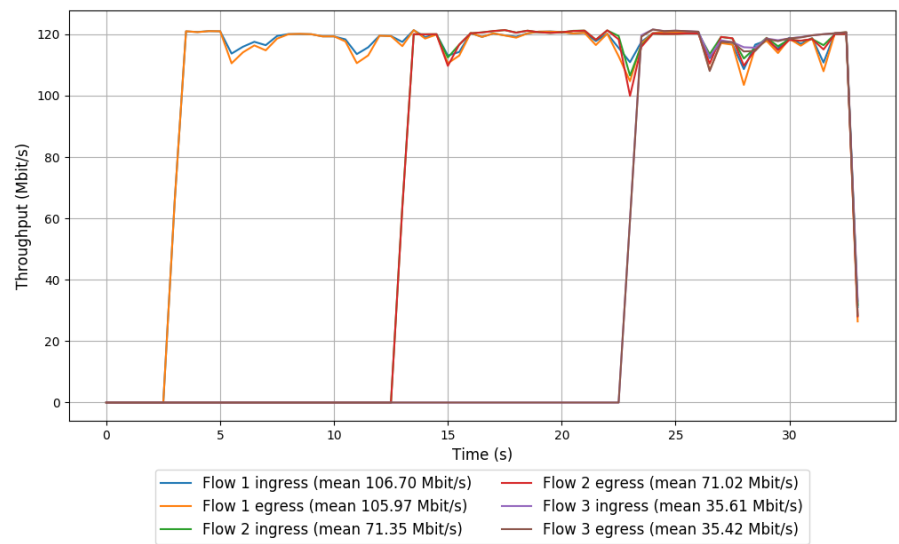
-- Flow 3:

Average throughput: 35.42 Mbit/s

95th percentile per-packet one-way delay: 0.691 ms

Loss rate: 0.57%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Tue, 04 Jul 2017 23:14:26 +0000

End at: Tue, 04 Jul 2017 23:14:56 +0000

Local clock offset: -0.334 ms

Remote clock offset: -0.971 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:36:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 213.95 Mbit/s

95th percentile per-packet one-way delay: 0.765 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 106.96 Mbit/s

95th percentile per-packet one-way delay: 0.831 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 71.47 Mbit/s

95th percentile per-packet one-way delay: 0.695 ms

Loss rate: 0.58%

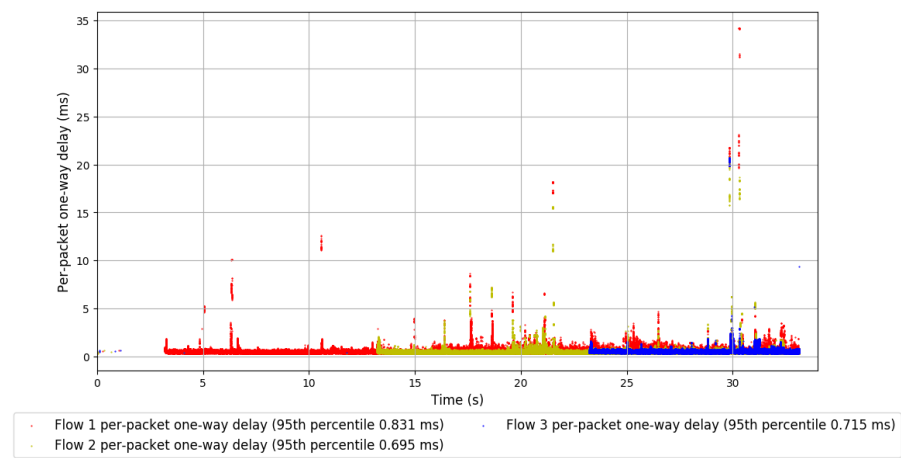
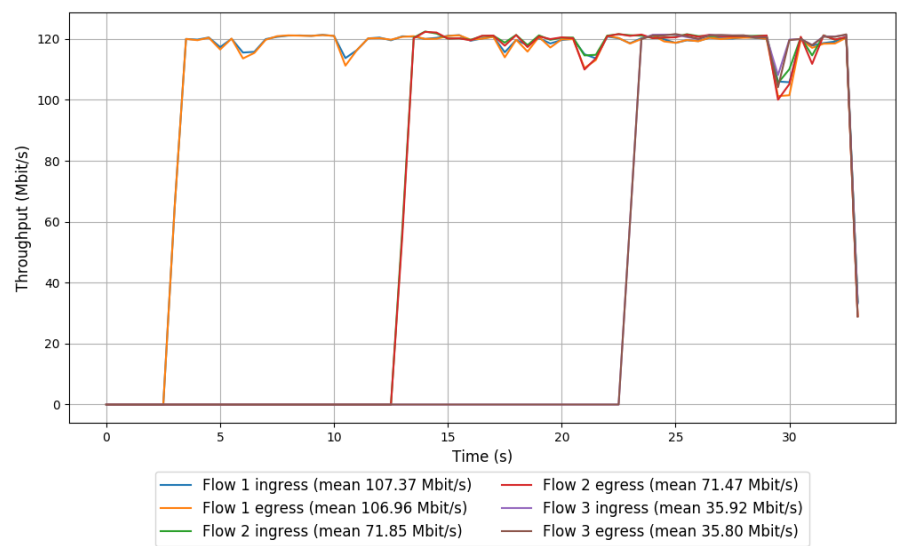
-- Flow 3:

Average throughput: 35.80 Mbit/s

95th percentile per-packet one-way delay: 0.715 ms

Loss rate: 0.39%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Tue, 04 Jul 2017 23:35:11 +0000

End at: Tue, 04 Jul 2017 23:35:41 +0000

Local clock offset: -0.268 ms

Remote clock offset: -1.09 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:36:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 213.40 Mbit/s

95th percentile per-packet one-way delay: 0.939 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 107.22 Mbit/s

95th percentile per-packet one-way delay: 0.927 ms

Loss rate: 0.45%

-- Flow 2:

Average throughput: 70.81 Mbit/s

95th percentile per-packet one-way delay: 1.087 ms

Loss rate: 0.66%

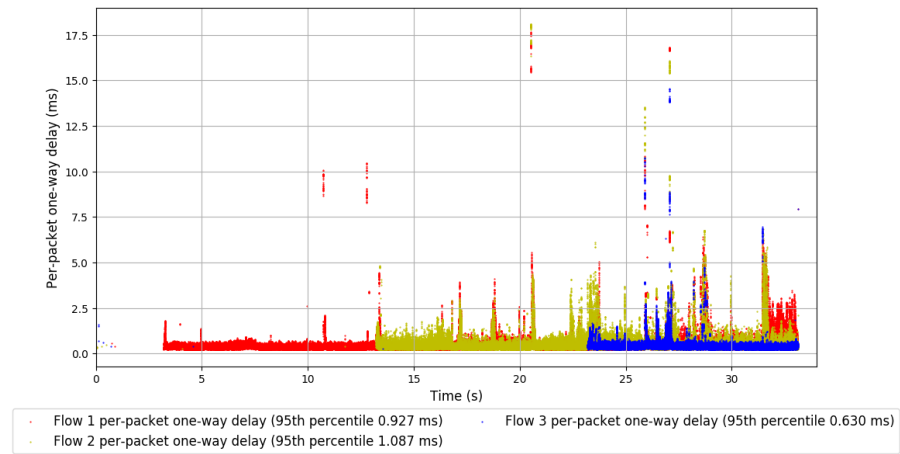
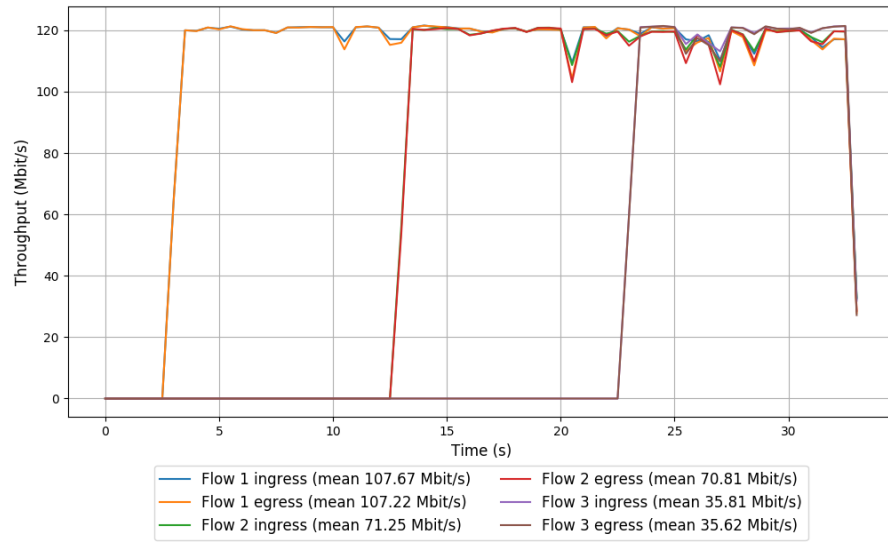
-- Flow 3:

Average throughput: 35.62 Mbit/s

95th percentile per-packet one-way delay: 0.630 ms

Loss rate: 0.59%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

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

End at: Tue, 04 Jul 2017 23:56:25 +0000

Local clock offset: -0.219 ms

Remote clock offset: -1.075 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:37:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 213.17 Mbit/s

95th percentile per-packet one-way delay: 0.780 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 106.71 Mbit/s

95th percentile per-packet one-way delay: 0.915 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 70.69 Mbit/s

95th percentile per-packet one-way delay: 0.942 ms

Loss rate: 0.87%

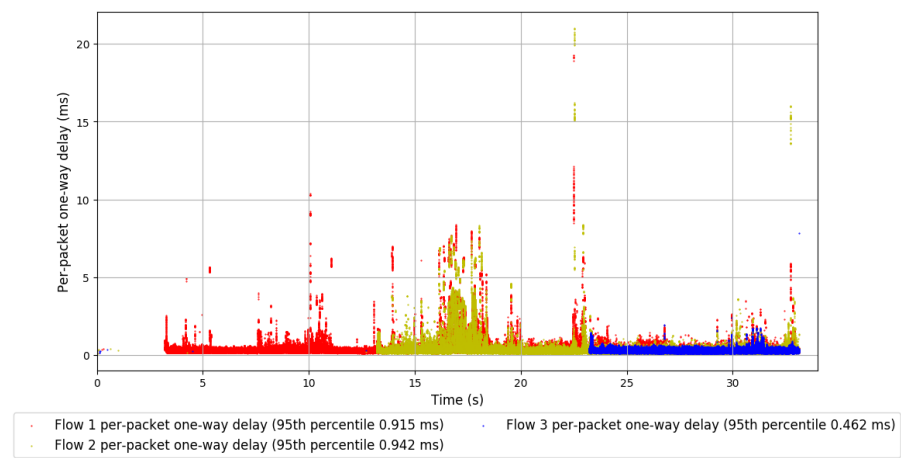
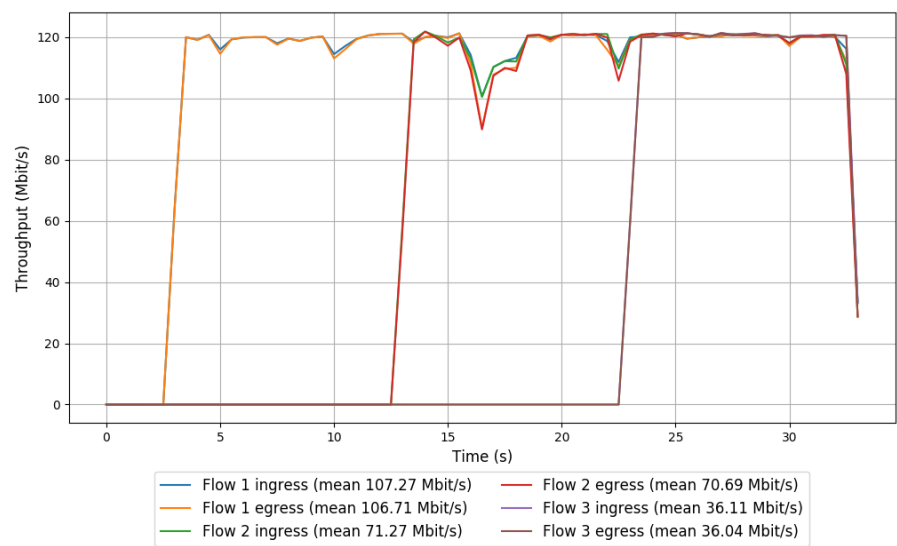
-- Flow 3:

Average throughput: 36.04 Mbit/s

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

Loss rate: 0.23%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Wed, 05 Jul 2017 00:16:39 +0000

End at: Wed, 05 Jul 2017 00:17:09 +0000

Local clock offset: -0.036 ms

Remote clock offset: -1.061 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:37:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 212.99 Mbit/s

95th percentile per-packet one-way delay: 0.558 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 106.98 Mbit/s

95th percentile per-packet one-way delay: 0.522 ms

Loss rate: 0.56%

-- Flow 2:

Average throughput: 71.44 Mbit/s

95th percentile per-packet one-way delay: 0.297 ms

Loss rate: 0.52%

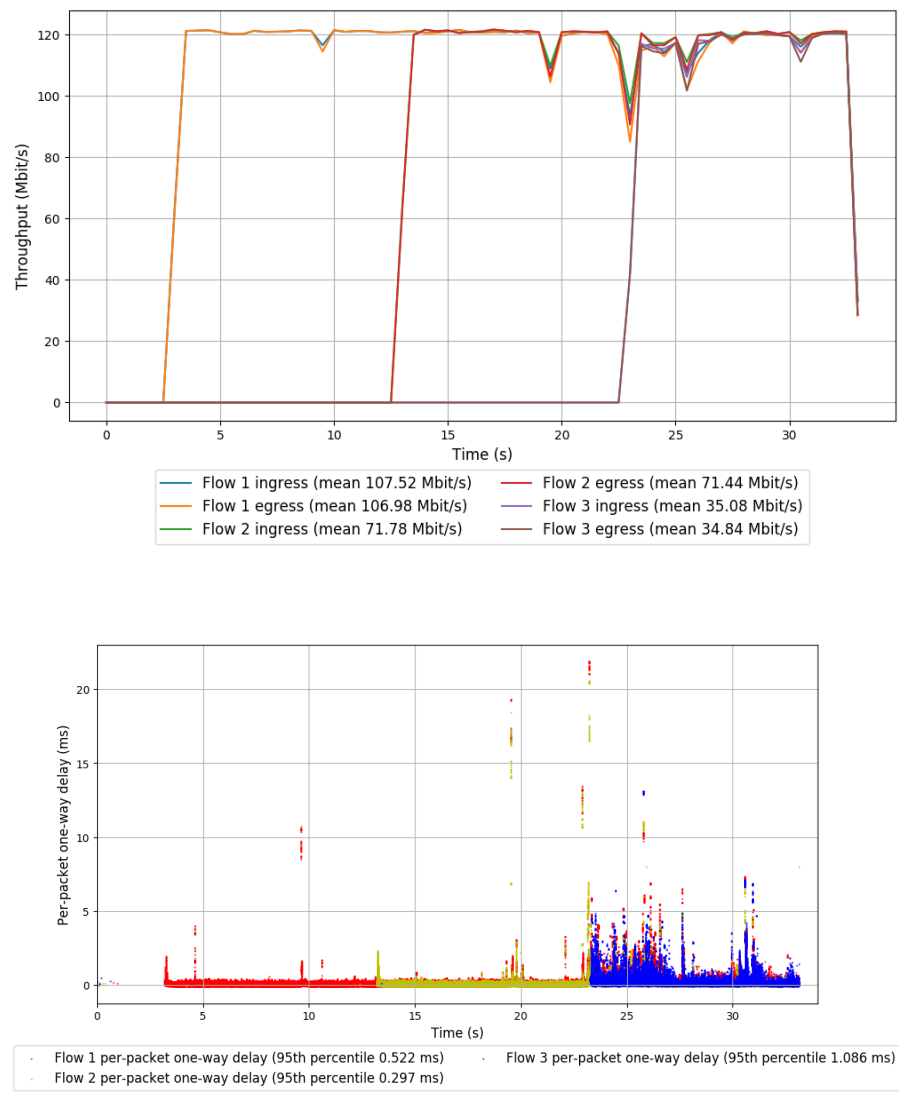
-- Flow 3:

Average throughput: 34.84 Mbit/s

95th percentile per-packet one-way delay: 1.086 ms

Loss rate: 0.75%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Wed, 05 Jul 2017 00:37:19 +0000

End at: Wed, 05 Jul 2017 00:37:49 +0000

Local clock offset: 0.353 ms

Remote clock offset: -1.091 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:37:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 207.93 Mbit/s

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

Loss rate: 1.26%

-- Flow 1:

Average throughput: 104.11 Mbit/s

95th percentile per-packet one-way delay: 0.437 ms

Loss rate: 1.33%

-- Flow 2:

Average throughput: 70.15 Mbit/s

95th percentile per-packet one-way delay: 0.054 ms

Loss rate: 0.93%

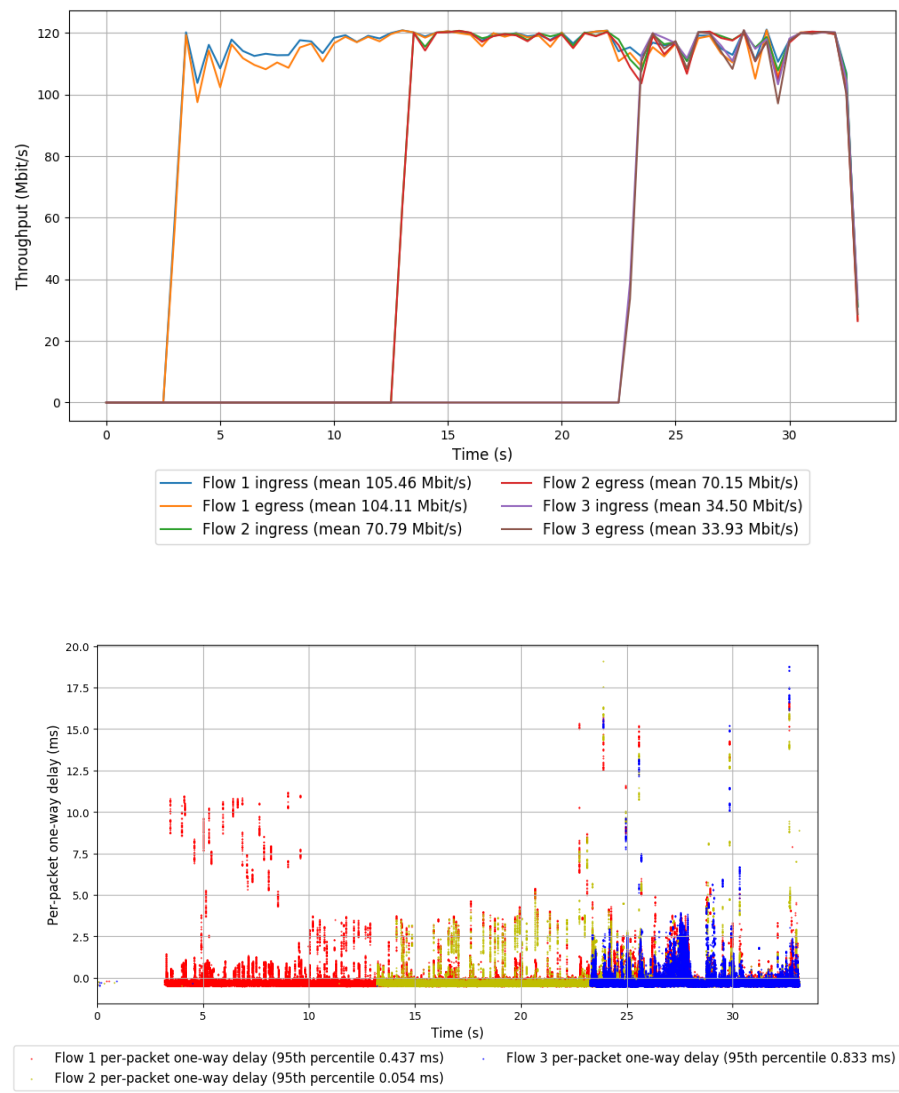
-- Flow 3:

Average throughput: 33.93 Mbit/s

95th percentile per-packet one-way delay: 0.833 ms

Loss rate: 1.72%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Wed, 05 Jul 2017 00:57:53 +0000

End at: Wed, 05 Jul 2017 00:58:23 +0000

Local clock offset: 0.69 ms

Remote clock offset: -1.501 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:37:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 211.17 Mbit/s

95th percentile per-packet one-way delay: -0.066 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 105.15 Mbit/s

95th percentile per-packet one-way delay: 0.308 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 70.34 Mbit/s

95th percentile per-packet one-way delay: -0.164 ms

Loss rate: 0.88%

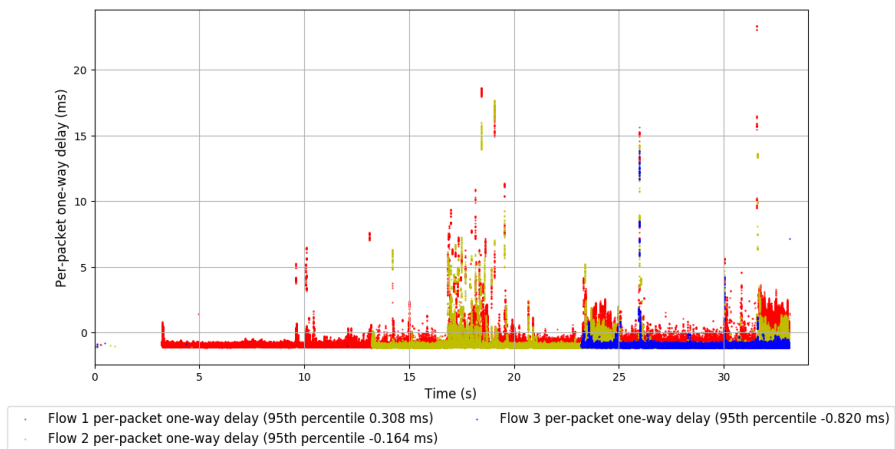
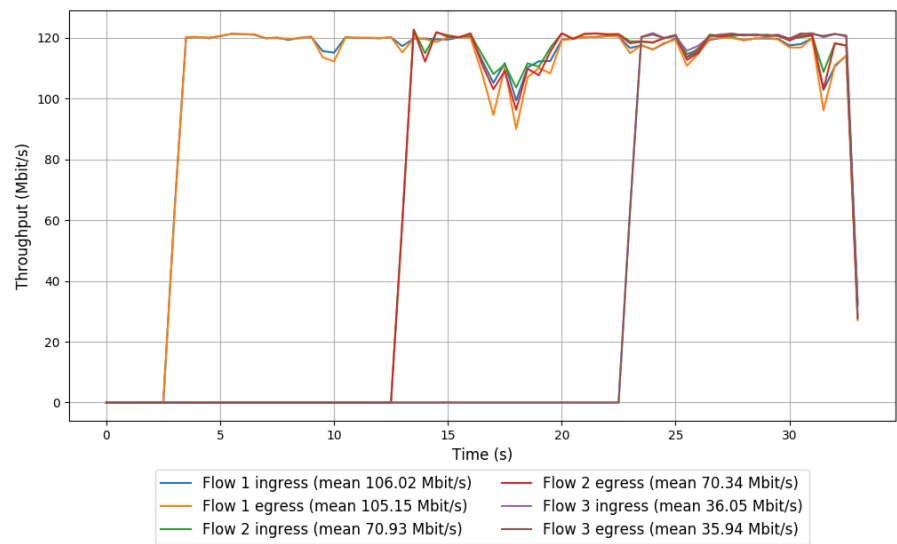
-- Flow 3:

Average throughput: 35.94 Mbit/s

95th percentile per-packet one-way delay: -0.820 ms

Loss rate: 0.33%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Wed, 05 Jul 2017 01:18:32 +0000

End at: Wed, 05 Jul 2017 01:19:02 +0000

Local clock offset: 0.569 ms

Remote clock offset: -1.39 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 213.66 Mbit/s

95th percentile per-packet one-way delay: -0.260 ms

Loss rate: 0.54%

-- Flow 1:

Average throughput: 107.49 Mbit/s

95th percentile per-packet one-way delay: -0.370 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 71.19 Mbit/s

95th percentile per-packet one-way delay: -0.171 ms

Loss rate: 0.61%

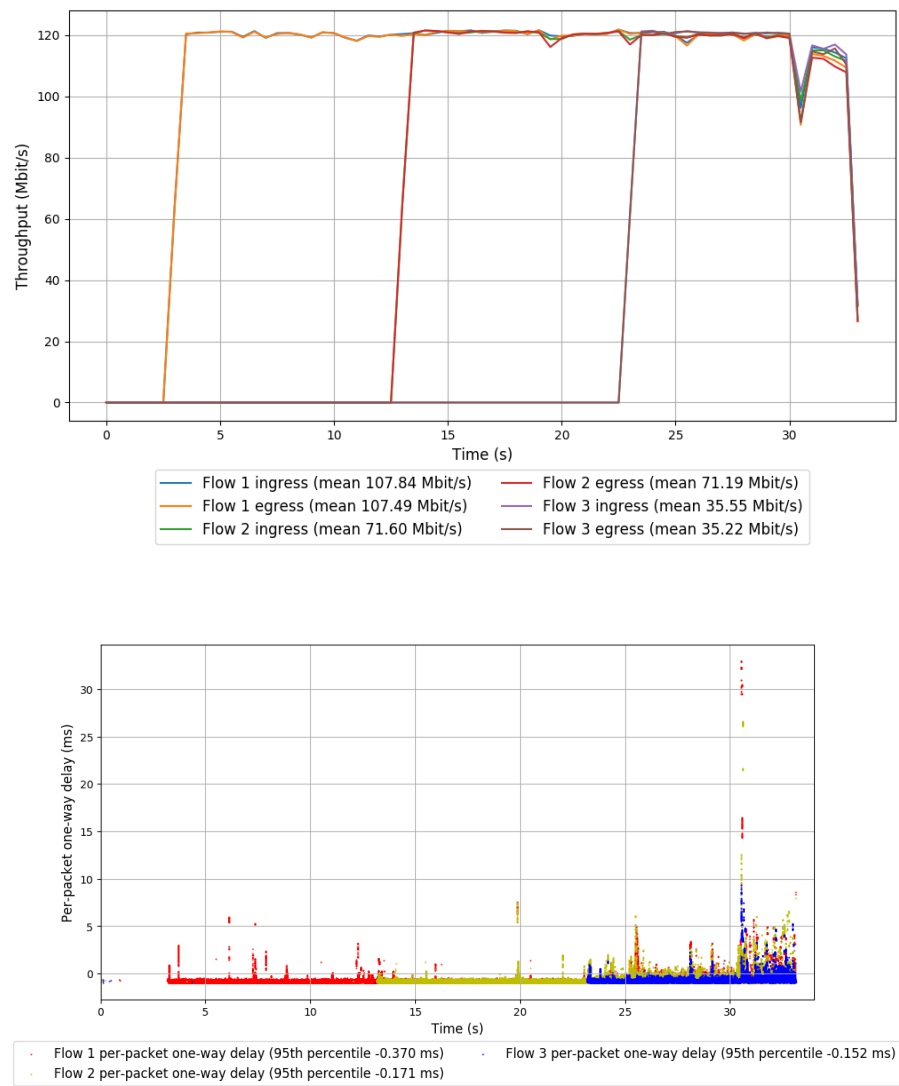
-- Flow 3:

Average throughput: 35.22 Mbit/s

95th percentile per-packet one-way delay: -0.152 ms

Loss rate: 0.99%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

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

End at: Tue, 04 Jul 2017 22:25:52 +0000

Local clock offset: -0.073 ms

Remote clock offset: -1.555 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -0.181 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.175 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

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

Loss rate: 0.00%

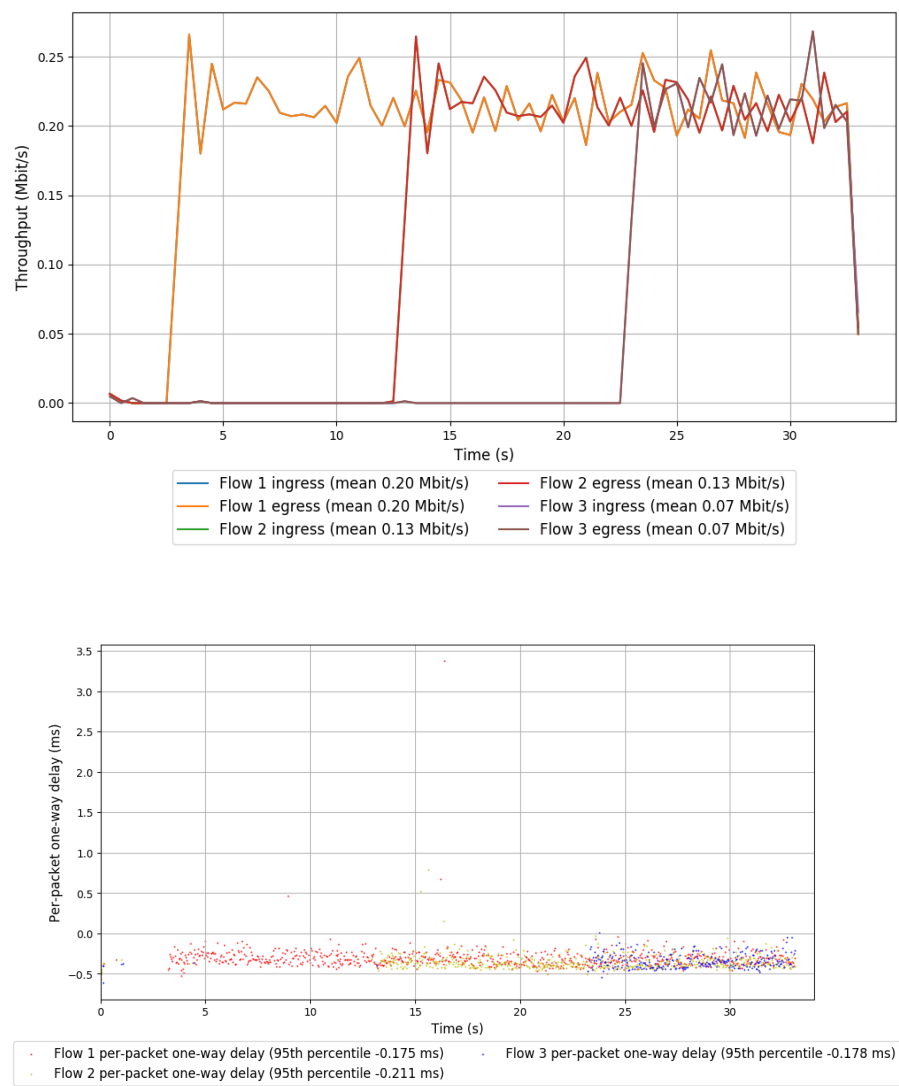
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -0.178 ms

Loss rate: 0.35%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 22:46:02 +0000

End at: Tue, 04 Jul 2017 22:46:32 +0000

Local clock offset: 0.053 ms

Remote clock offset: -1.237 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

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

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.092 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 0.074 ms

Loss rate: 0.00%

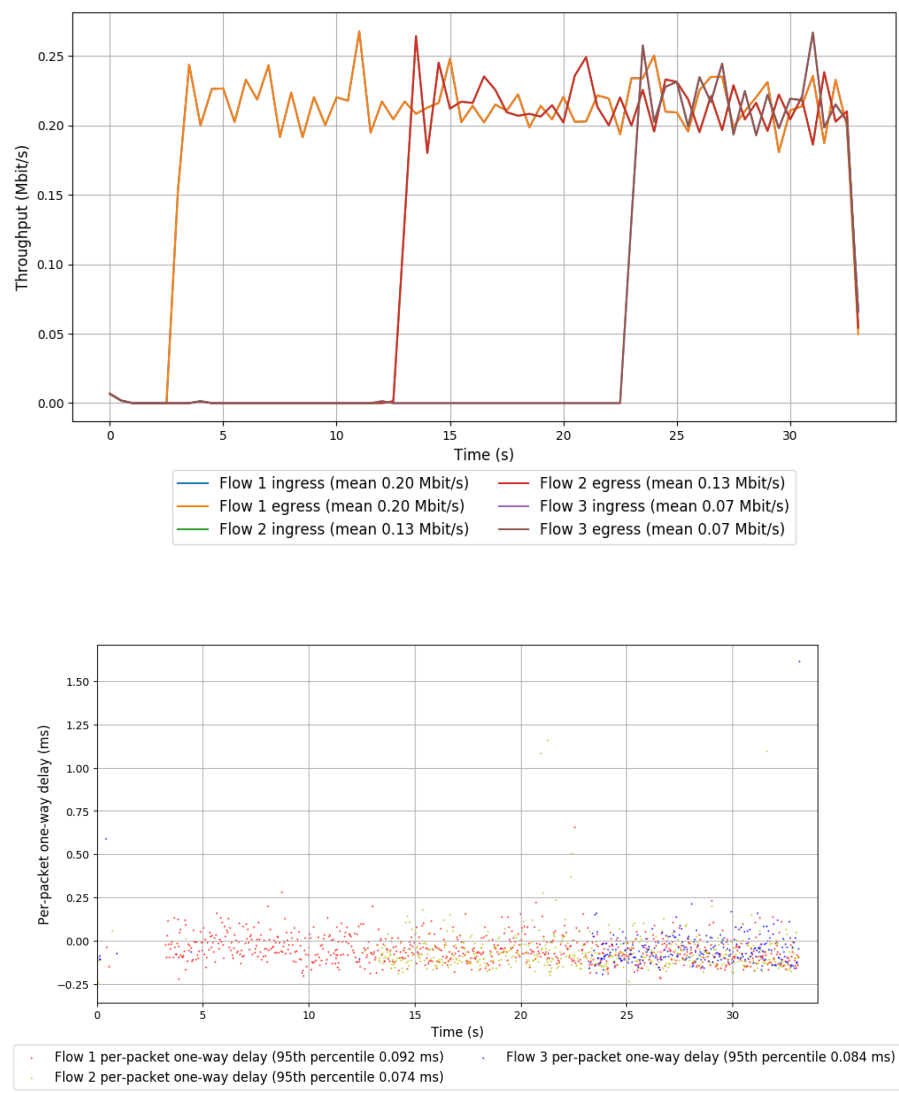
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 0.084 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:06:39 +0000

End at: Tue, 04 Jul 2017 23:07:09 +0000

Local clock offset: -0.263 ms

Remote clock offset: -0.885 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 0.750 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.759 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 0.732 ms

Loss rate: 0.00%

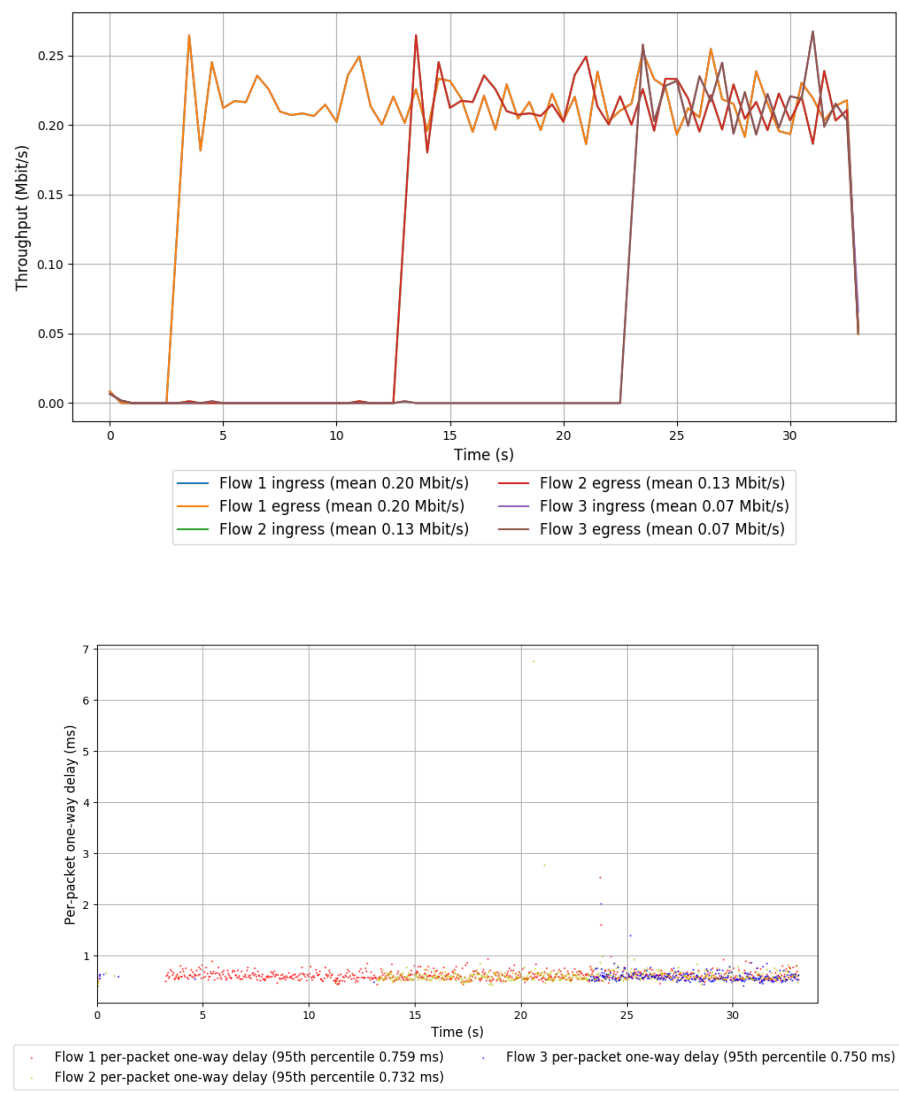
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 0.750 ms

Loss rate: 0.35%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:27:29 +0000

End at: Tue, 04 Jul 2017 23:27:59 +0000

Local clock offset: -0.397 ms

Remote clock offset: -0.968 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 0.684 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.689 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 0.693 ms

Loss rate: 0.00%

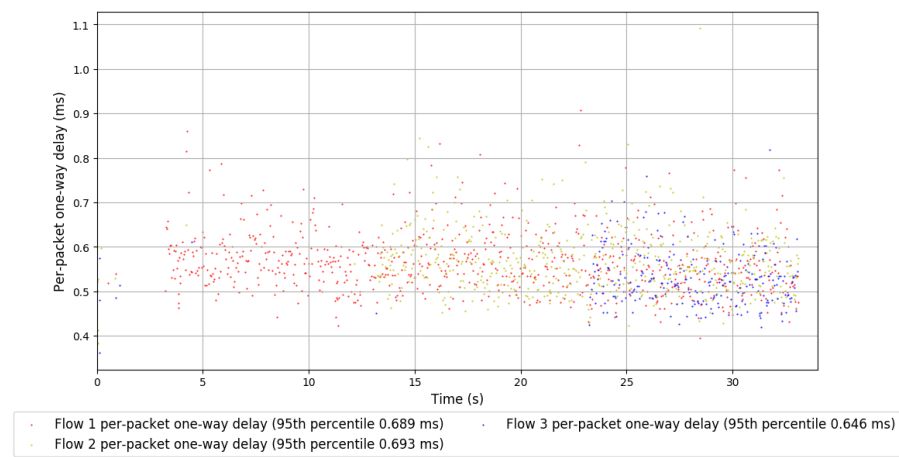
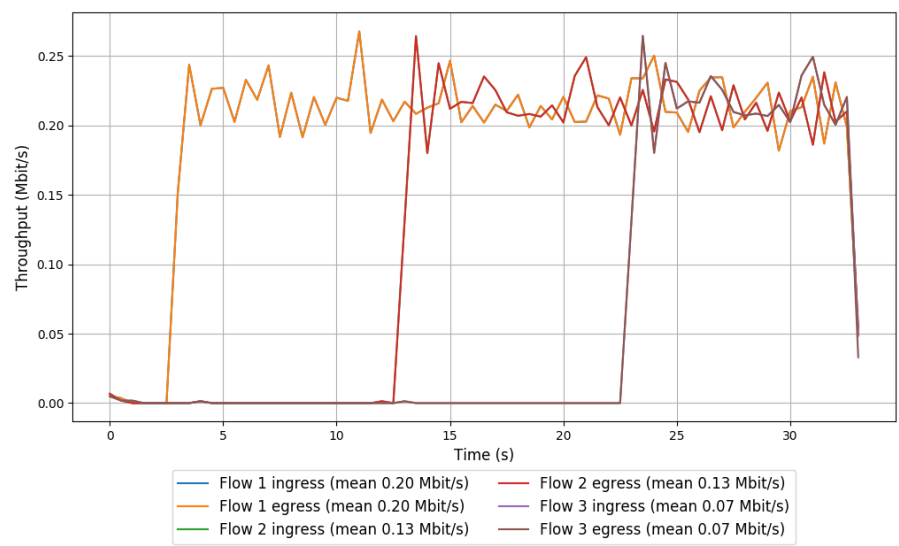
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 0.646 ms

Loss rate: 0.35%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:48:08 +0000

End at: Tue, 04 Jul 2017 23:48:38 +0000

Local clock offset: -0.297 ms

Remote clock offset: -1.036 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 0.590 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.595 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 0.597 ms

Loss rate: 0.00%

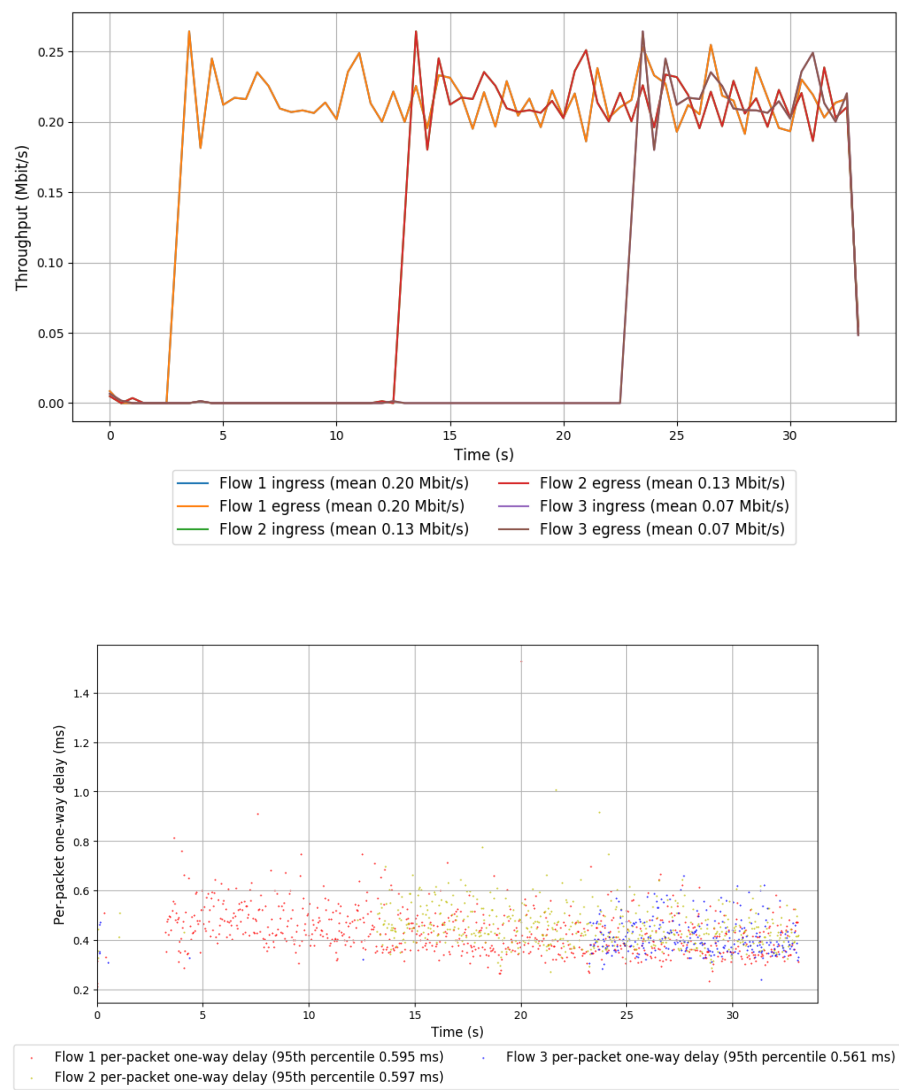
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 0.561 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

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

End at: Wed, 05 Jul 2017 00:09:28 +0000

Local clock offset: -0.047 ms

Remote clock offset: -1.129 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 0.315 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.327 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 0.301 ms

Loss rate: 0.00%

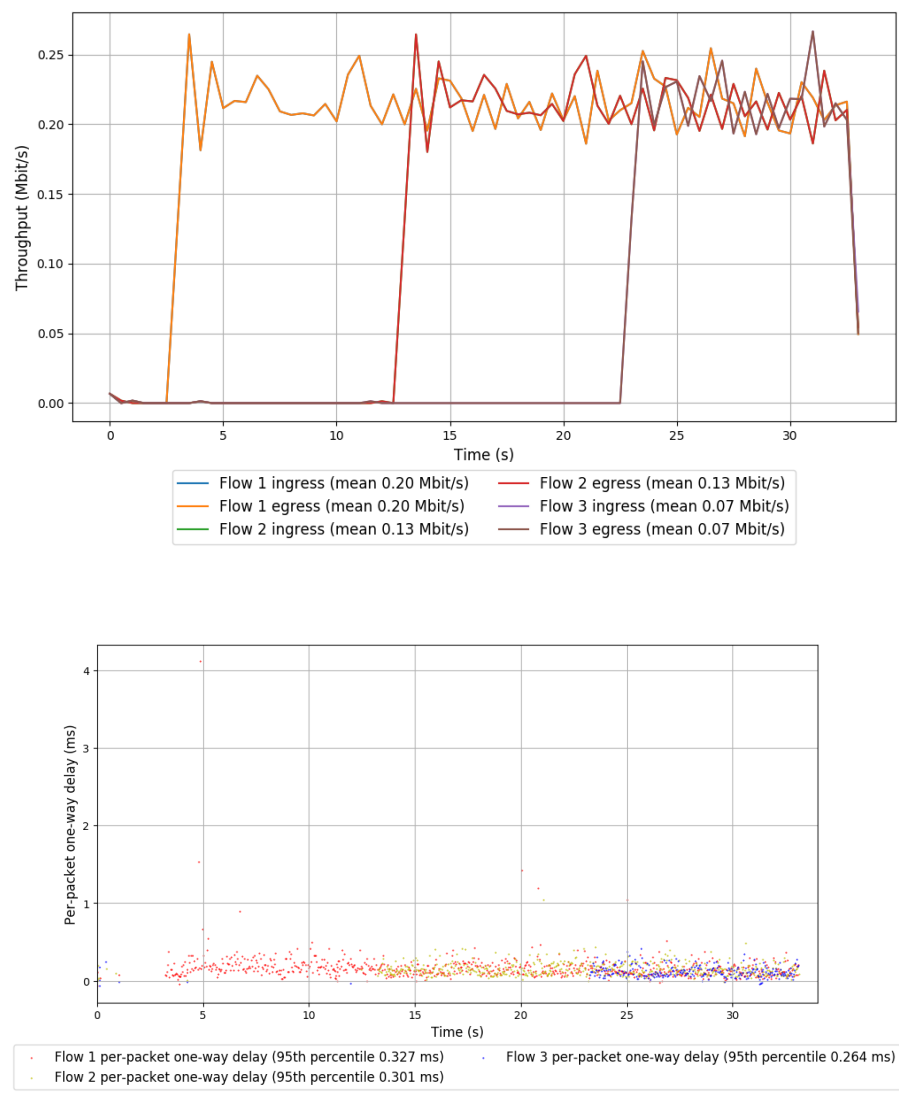
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 0.264 ms

Loss rate: 0.35%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 00:29:46 +0000

End at: Wed, 05 Jul 2017 00:30:16 +0000

Local clock offset: 0.304 ms

Remote clock offset: -0.983 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 0.105 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.129 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 0.085 ms

Loss rate: 0.00%

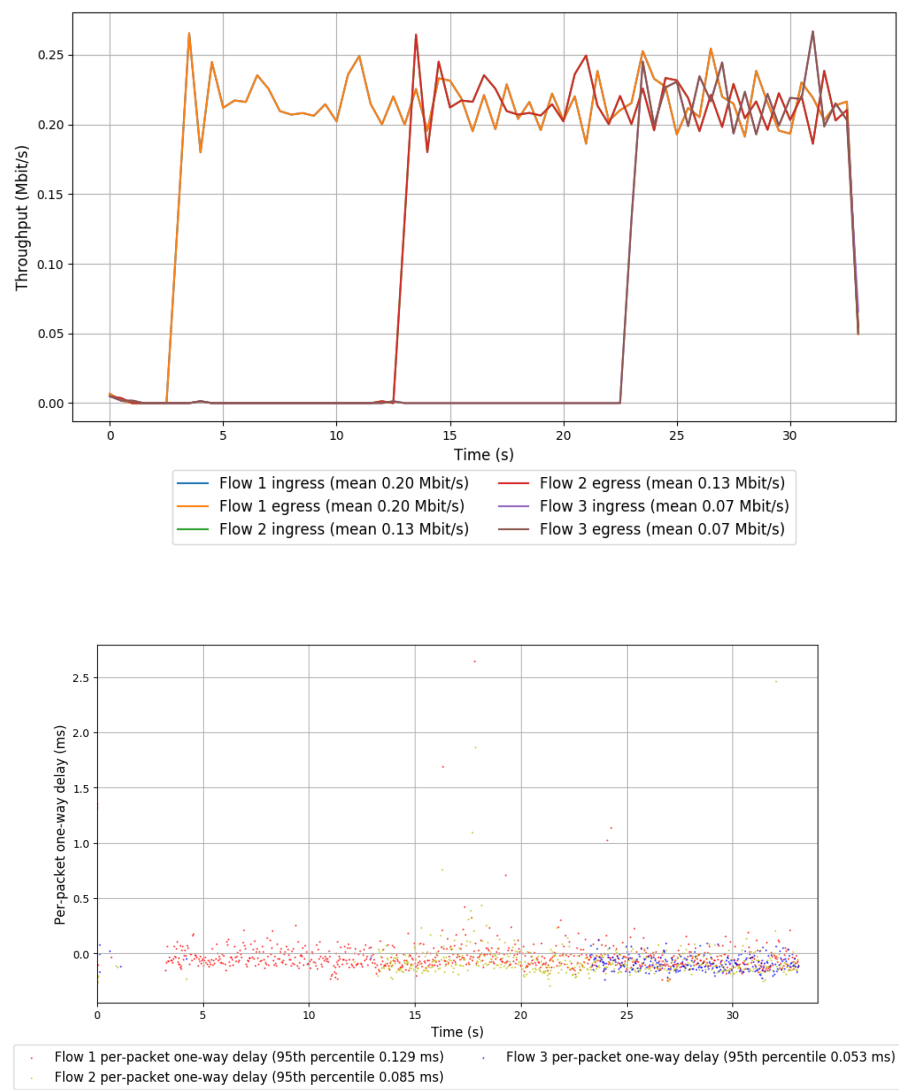
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 0.053 ms

Loss rate: 0.35%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 00:50:16 +0000

End at: Wed, 05 Jul 2017 00:50:46 +0000

Local clock offset: 0.649 ms

Remote clock offset: -1.268 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -0.519 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.511 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -0.537 ms

Loss rate: 0.00%

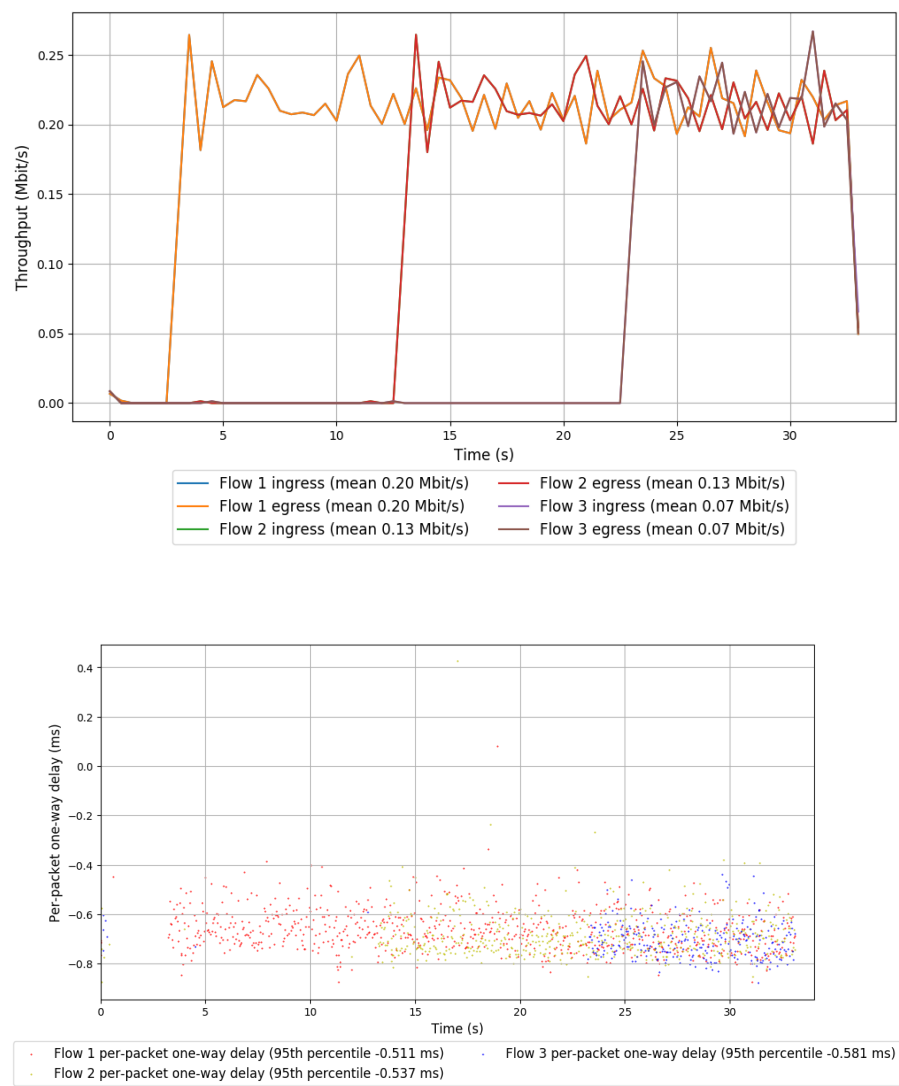
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -0.581 ms

Loss rate: 0.35%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 01:10:51 +0000

End at: Wed, 05 Jul 2017 01:11:21 +0000

Local clock offset: 0.646 ms

Remote clock offset: -1.498 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -0.739 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.735 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -0.741 ms

Loss rate: 0.00%

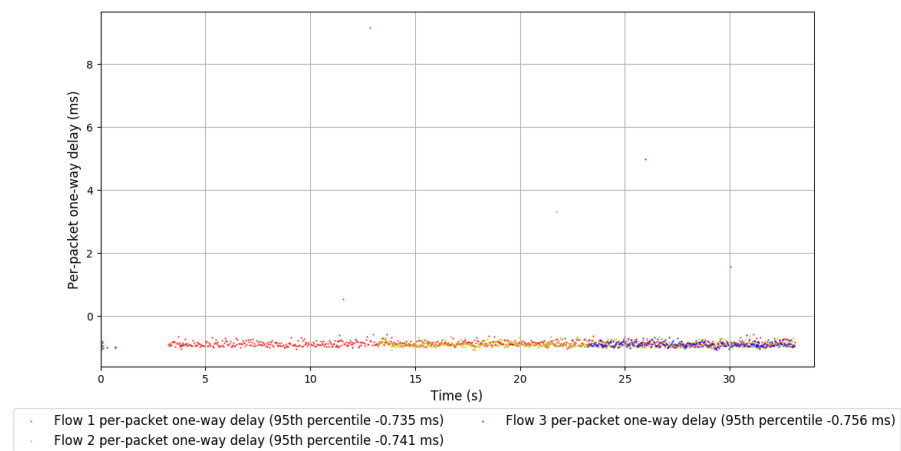
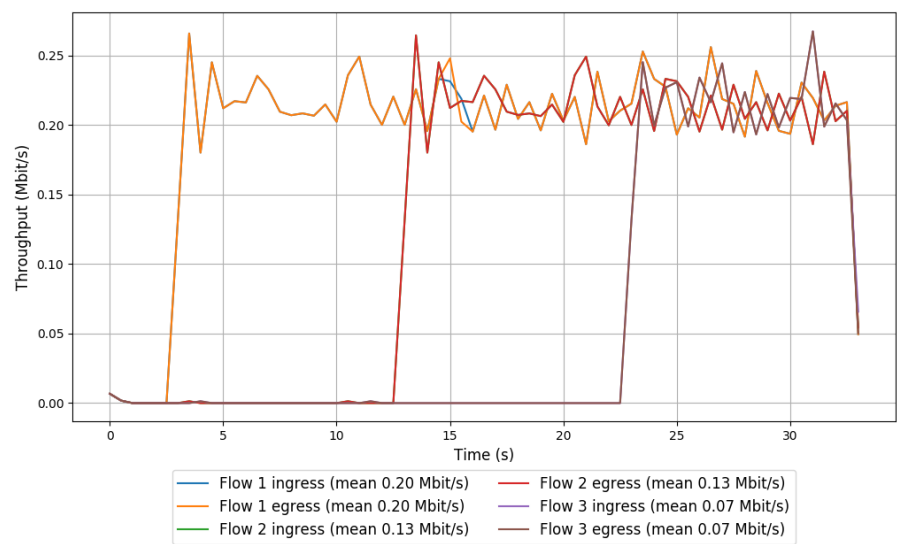
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -0.756 ms

Loss rate: 0.35%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Wed, 05 Jul 2017 01:31:40 +0000

End at: Wed, 05 Jul 2017 01:32:10 +0000

Local clock offset: 0.353 ms

Remote clock offset: -1.186 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -0.169 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.144 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -0.219 ms

Loss rate: 0.00%

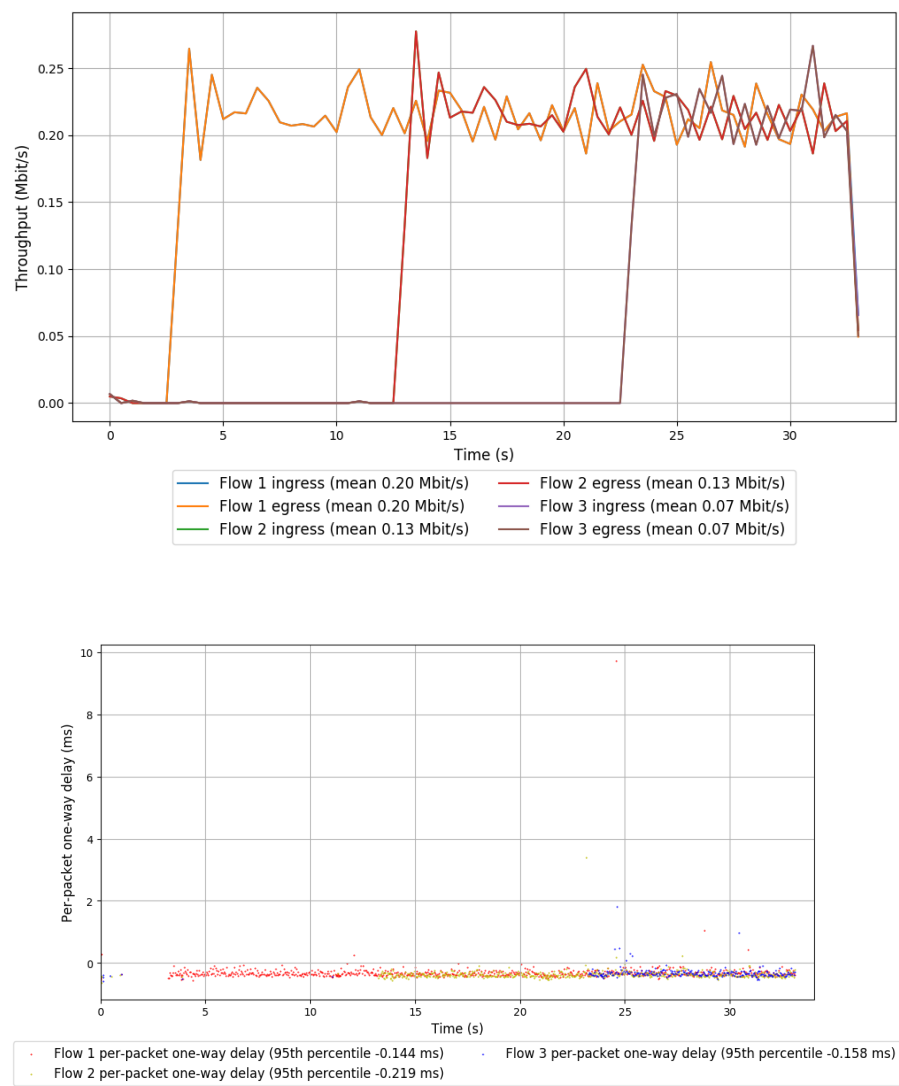
-- Flow 3:

Average throughput: 0.07 Mbit/s

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

Loss rate: 0.35%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Tue, 04 Jul 2017 22:21:40 +0000

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

Local clock offset: -0.006 ms

Remote clock offset: -1.631 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.38 Mbit/s

95th percentile per-packet one-way delay: -0.327 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 22.25 Mbit/s

95th percentile per-packet one-way delay: -0.339 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 14.90 Mbit/s

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

Loss rate: 0.03%

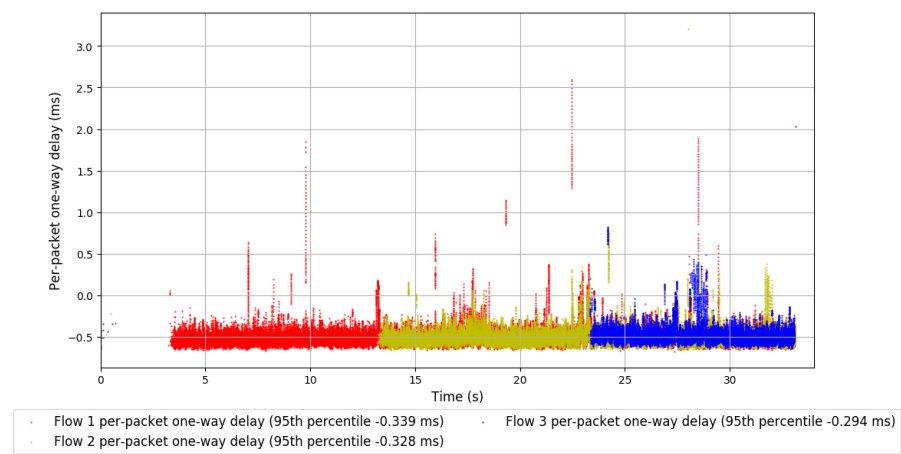
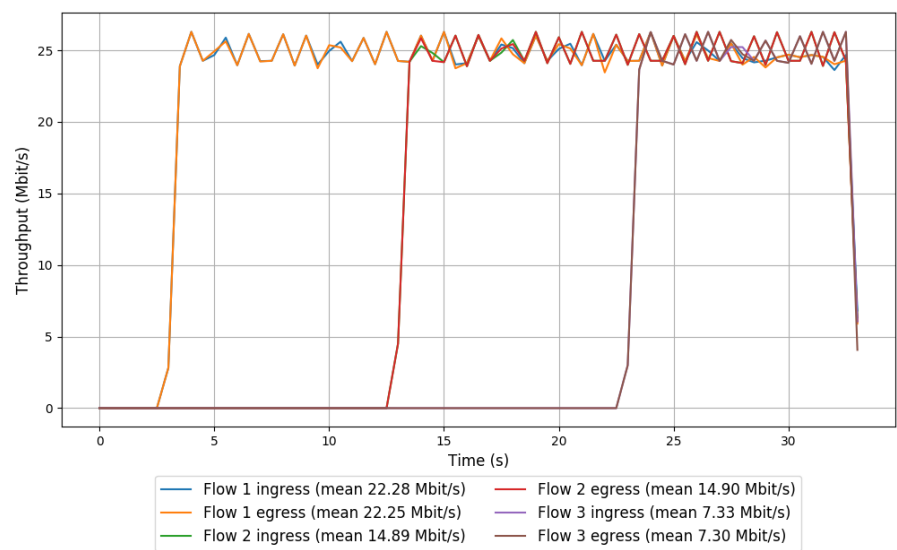
-- Flow 3:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: -0.294 ms

Loss rate: 0.41%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Tue, 04 Jul 2017 22:42:21 +0000

End at: Tue, 04 Jul 2017 22:42:51 +0000

Local clock offset: 0.058 ms

Remote clock offset: -1.316 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.49 Mbit/s

95th percentile per-packet one-way delay: -0.009 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 22.38 Mbit/s

95th percentile per-packet one-way delay: 0.009 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 14.85 Mbit/s

95th percentile per-packet one-way delay: -0.015 ms

Loss rate: 0.26%

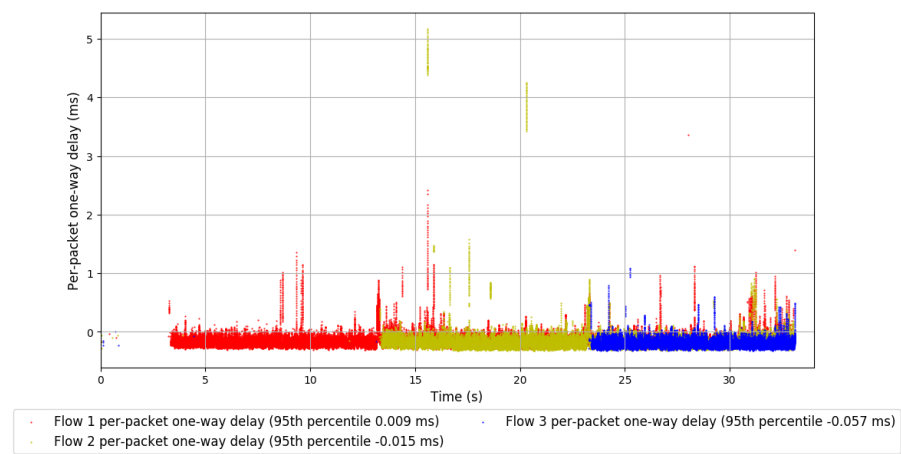
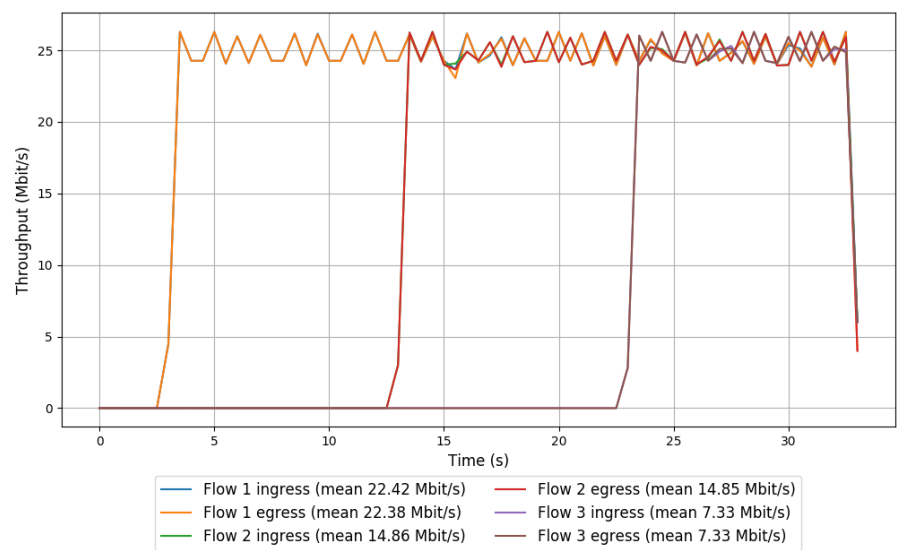
-- Flow 3:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: -0.057 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:02:58 +0000

End at: Tue, 04 Jul 2017 23:03:28 +0000

Local clock offset: -0.256 ms

Remote clock offset: -0.917 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:38:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.46 Mbit/s

95th percentile per-packet one-way delay: 0.551 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 24.17 Mbit/s

95th percentile per-packet one-way delay: 0.527 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 18.27 Mbit/s

95th percentile per-packet one-way delay: 0.579 ms

Loss rate: 0.37%

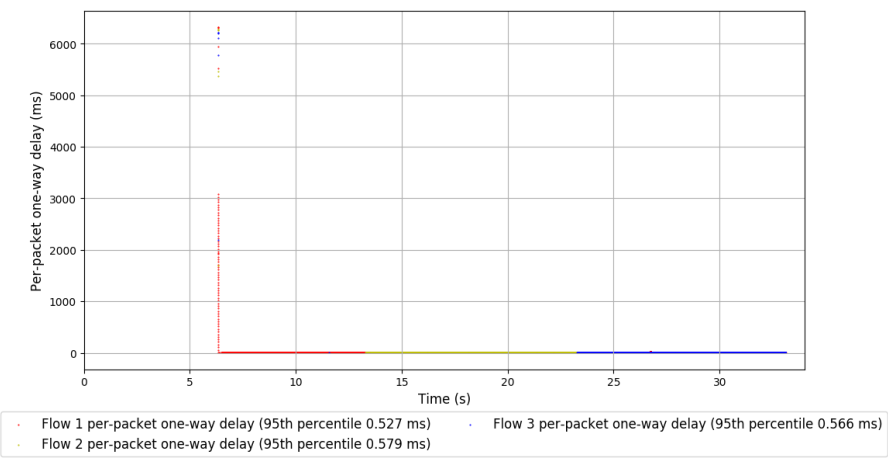
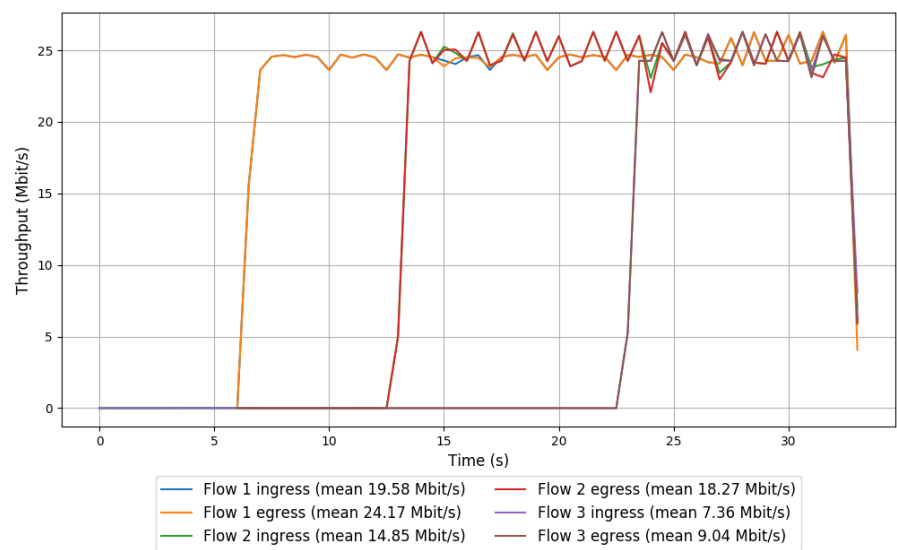
-- Flow 3:

Average throughput: 9.04 Mbit/s

95th percentile per-packet one-way delay: 0.566 ms

Loss rate: 0.50%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

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

End at: Tue, 04 Jul 2017 23:24:18 +0000

Local clock offset: -0.407 ms

Remote clock offset: -1.077 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:38:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 0.666 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 24.66 Mbit/s

95th percentile per-packet one-way delay: 0.679 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 18.85 Mbit/s

95th percentile per-packet one-way delay: 0.648 ms

Loss rate: 0.53%

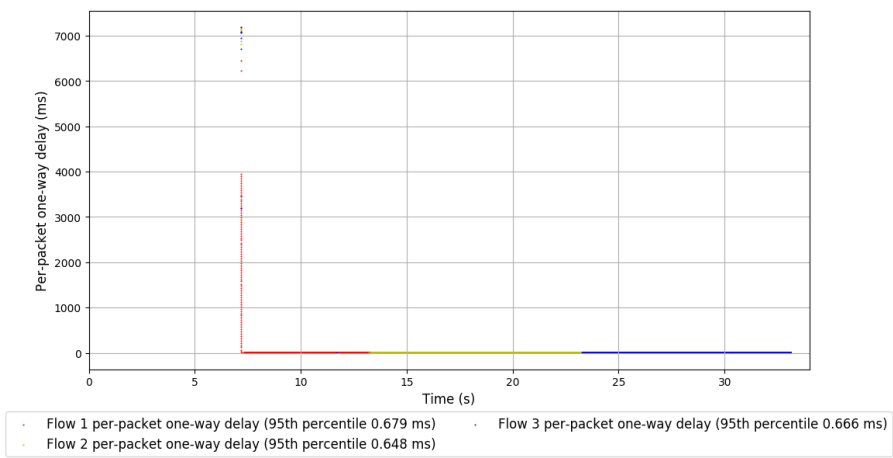
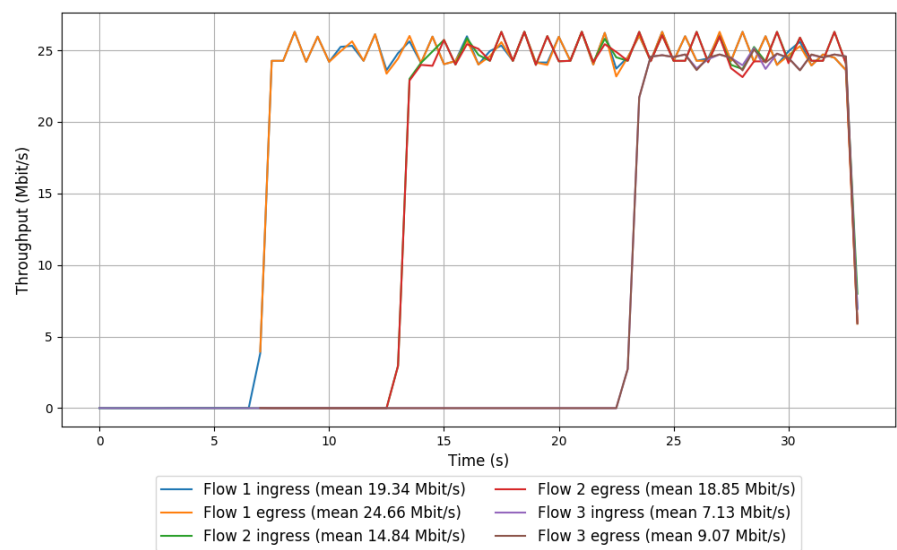
-- Flow 3:

Average throughput: 9.07 Mbit/s

95th percentile per-packet one-way delay: 0.666 ms

Loss rate: 0.21%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:44:27 +0000

End at: Tue, 04 Jul 2017 23:44:57 +0000

Local clock offset: -0.292 ms

Remote clock offset: -1.047 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:38:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.00 Mbit/s

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

Loss rate: 0.27%

-- Flow 1:

Average throughput: 22.08 Mbit/s

95th percentile per-packet one-way delay: 0.523 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 14.71 Mbit/s

95th percentile per-packet one-way delay: 0.542 ms

Loss rate: 0.30%

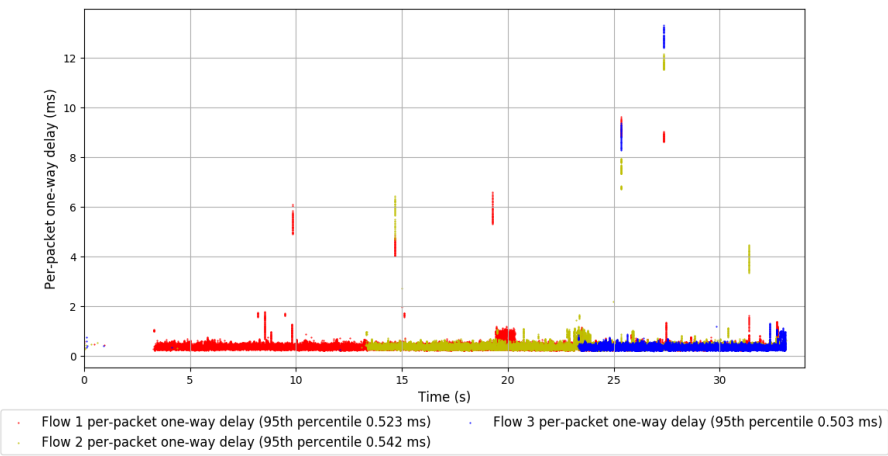
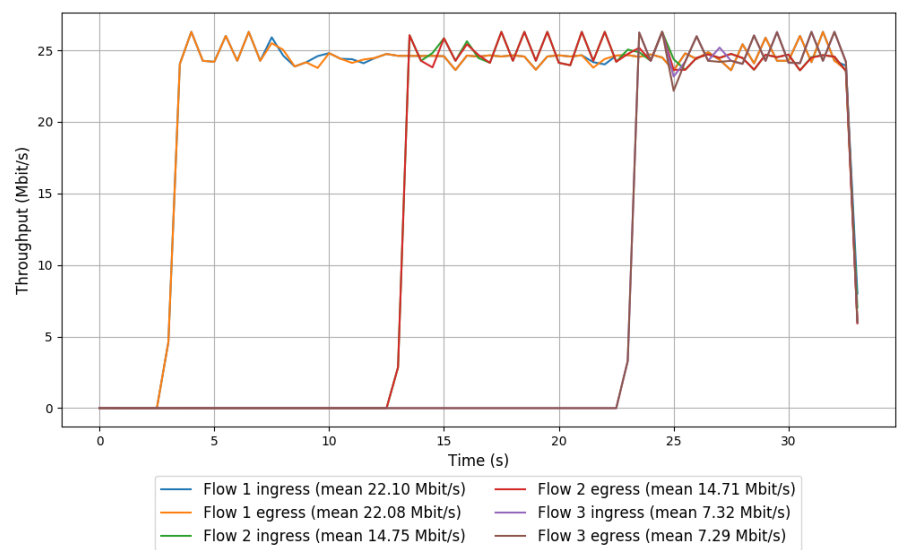
-- Flow 3:

Average throughput: 7.29 Mbit/s

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

Loss rate: 0.41%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

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

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

Local clock offset: -0.045 ms

Remote clock offset: -1.21 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:38:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.85 Mbit/s

95th percentile per-packet one-way delay: 0.163 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 22.25 Mbit/s

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

Loss rate: 0.35%

-- Flow 2:

Average throughput: 14.49 Mbit/s

95th percentile per-packet one-way delay: 0.143 ms

Loss rate: 0.17%

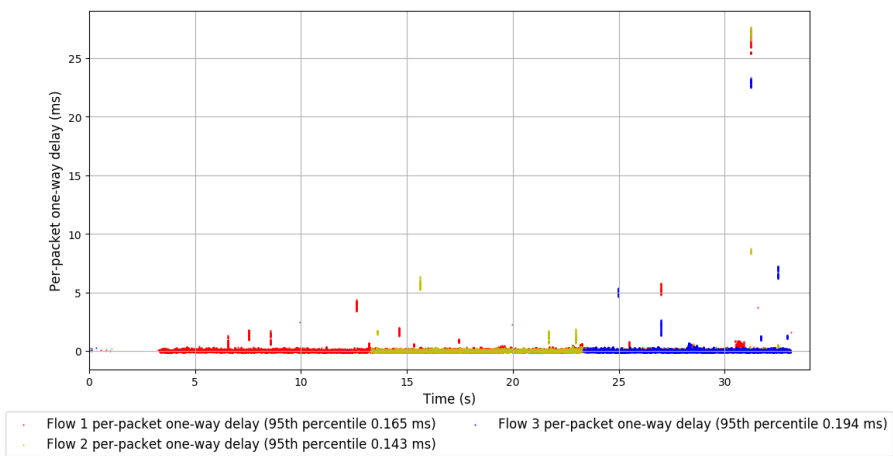
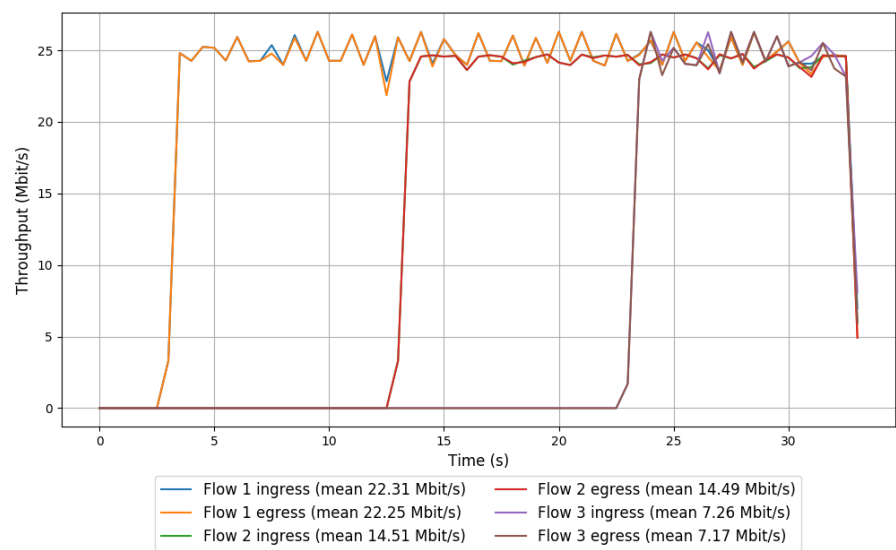
-- Flow 3:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 0.194 ms

Loss rate: 1.24%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

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

End at: Wed, 05 Jul 2017 00:26:35 +0000

Local clock offset: 0.151 ms

Remote clock offset: -1.019 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:38:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.75 Mbit/s

95th percentile per-packet one-way delay: 0.097 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 21.91 Mbit/s

95th percentile per-packet one-way delay: 0.065 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 14.61 Mbit/s

95th percentile per-packet one-way delay: 0.104 ms

Loss rate: 0.29%

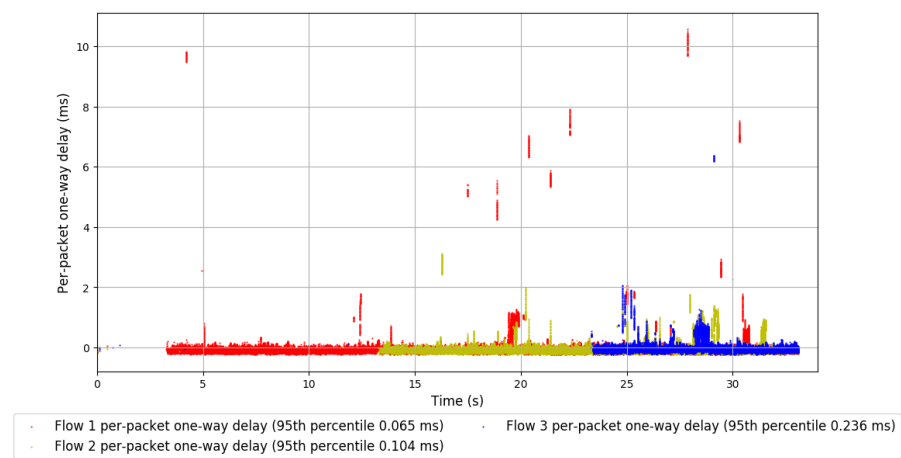
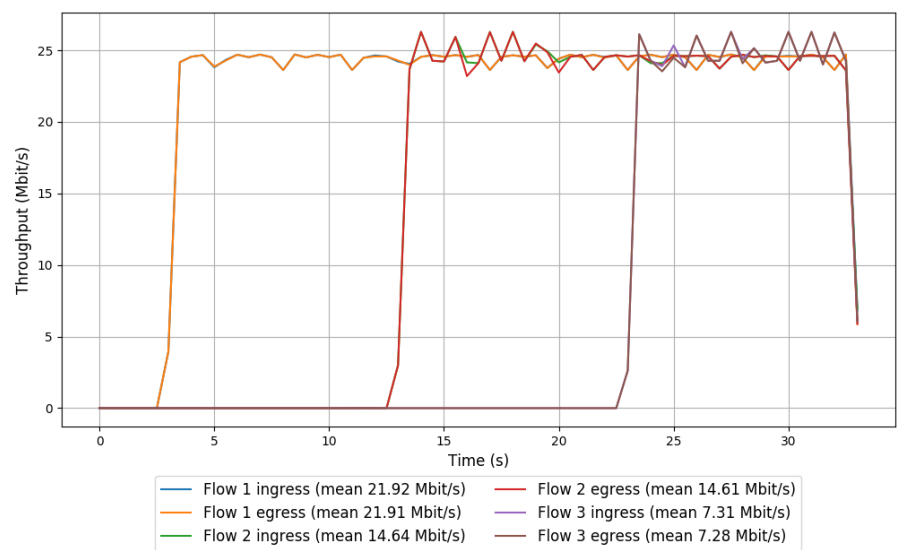
-- Flow 3:

Average throughput: 7.28 Mbit/s

95th percentile per-packet one-way delay: 0.236 ms

Loss rate: 0.31%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Wed, 05 Jul 2017 00:46:36 +0000

End at: Wed, 05 Jul 2017 00:47:06 +0000

Local clock offset: 0.491 ms

Remote clock offset: -1.275 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:38:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.74 Mbit/s

95th percentile per-packet one-way delay: -0.466 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 22.14 Mbit/s

95th percentile per-packet one-way delay: -0.438 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 14.50 Mbit/s

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

Loss rate: 0.10%

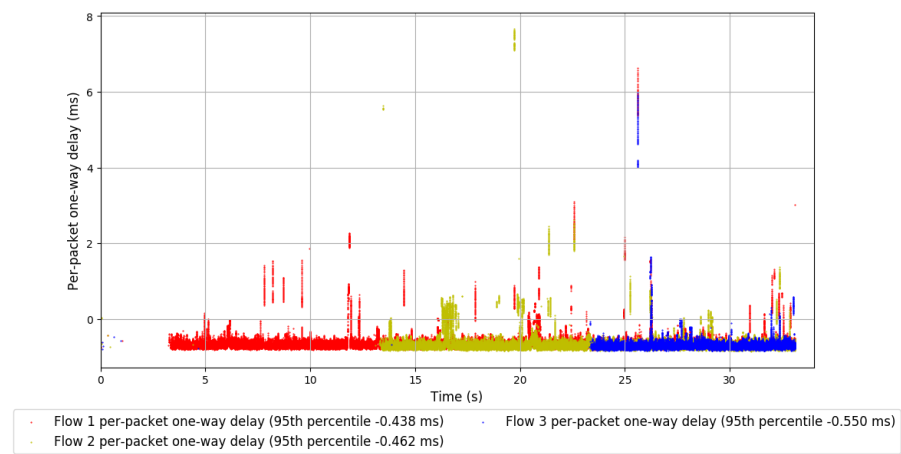
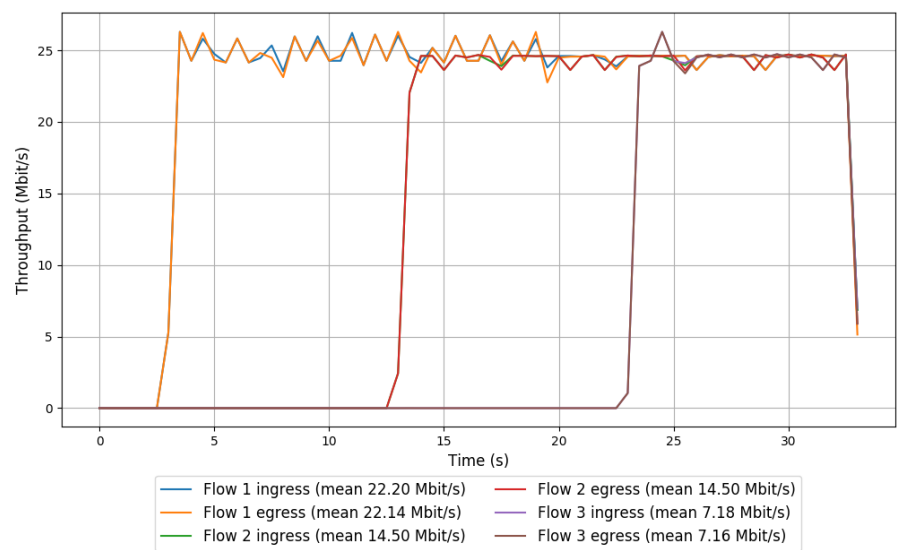
-- Flow 3:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: -0.550 ms

Loss rate: 0.38%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Wed, 05 Jul 2017 01:07:11 +0000

End at: Wed, 05 Jul 2017 01:07:41 +0000

Local clock offset: 0.666 ms

Remote clock offset: -1.51 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:38:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.23 Mbit/s

95th percentile per-packet one-way delay: -0.816 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 22.46 Mbit/s

95th percentile per-packet one-way delay: -0.800 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 14.53 Mbit/s

95th percentile per-packet one-way delay: -0.830 ms

Loss rate: 0.10%

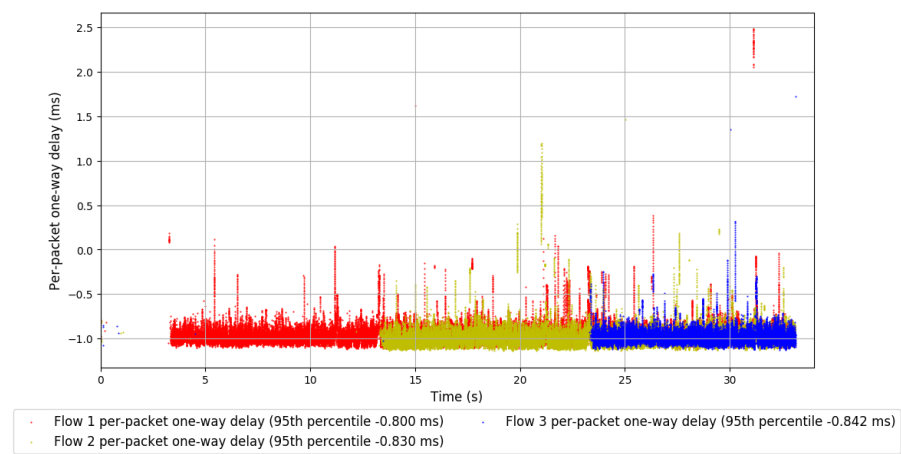
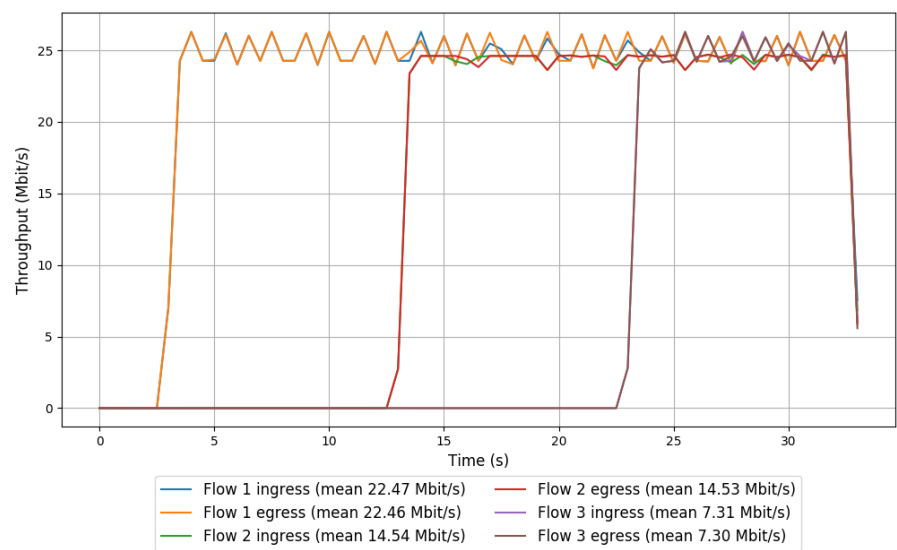
-- Flow 3:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: -0.842 ms

Loss rate: 0.14%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Wed, 05 Jul 2017 01:27:59 +0000

End at: Wed, 05 Jul 2017 01:28:29 +0000

Local clock offset: 0.388 ms

Remote clock offset: -1.216 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:38:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.63 Mbit/s

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

Loss rate: 0.25%

-- Flow 1:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: -0.316 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 16.24 Mbit/s

95th percentile per-packet one-way delay: -0.351 ms

Loss rate: 0.04%

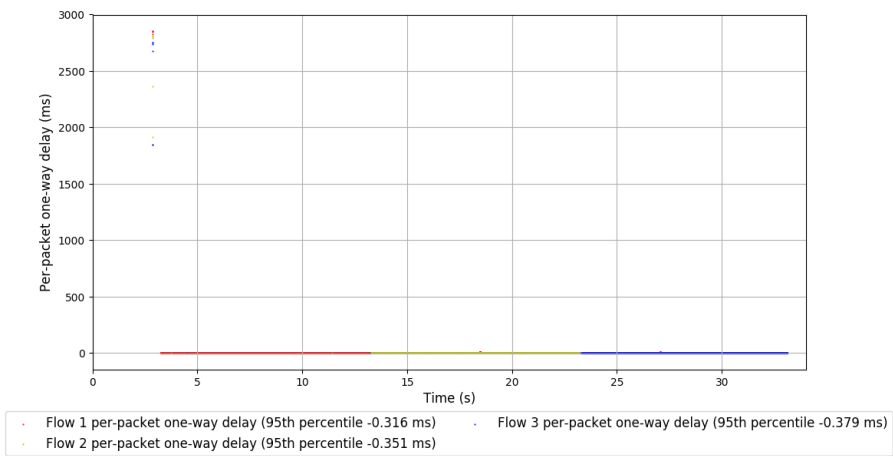
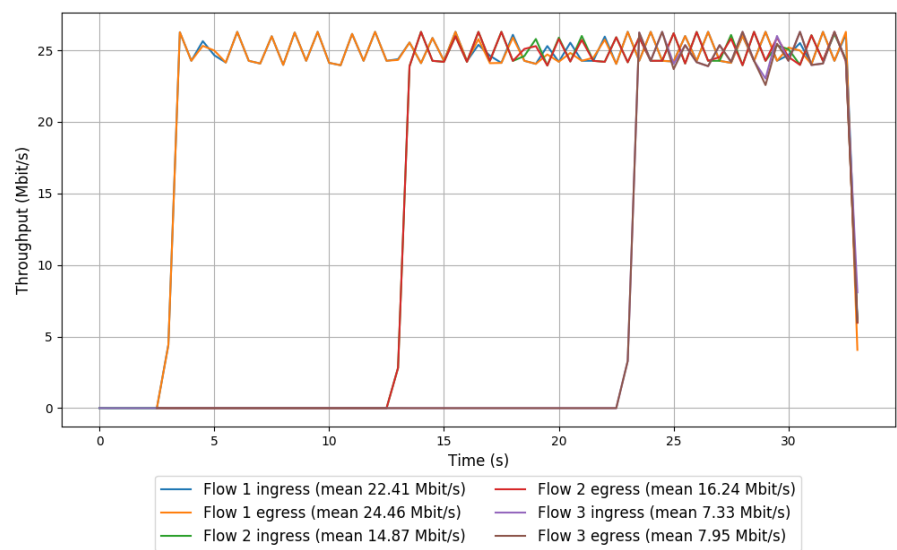
-- Flow 3:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: -0.379 ms

Loss rate: 0.70%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:15:16 +0000

End at: Tue, 04 Jul 2017 22:15:46 +0000

Local clock offset: 0.015 ms

Remote clock offset: -1.672 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:39:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 256.42 Mbit/s

95th percentile per-packet one-way delay: 1.063 ms

Loss rate: 2.92%

-- Flow 1:

Average throughput: 139.32 Mbit/s

95th percentile per-packet one-way delay: 0.773 ms

Loss rate: 2.36%

-- Flow 2:

Average throughput: 83.95 Mbit/s

95th percentile per-packet one-way delay: 1.361 ms

Loss rate: 4.36%

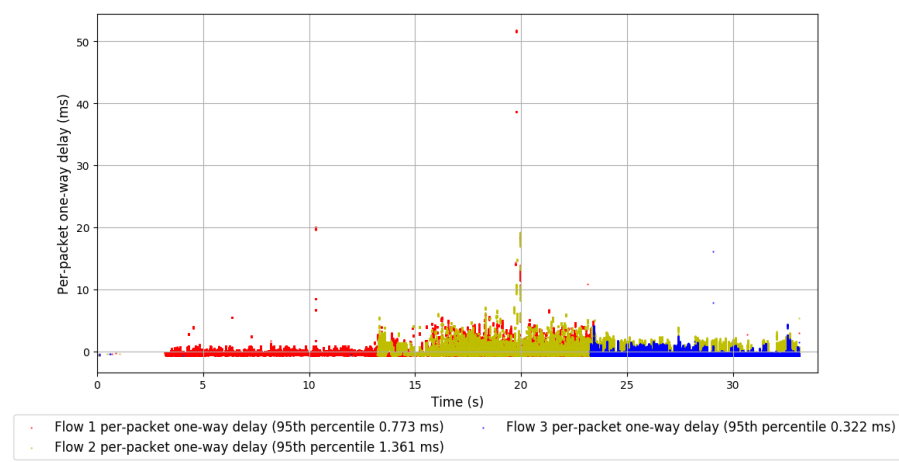
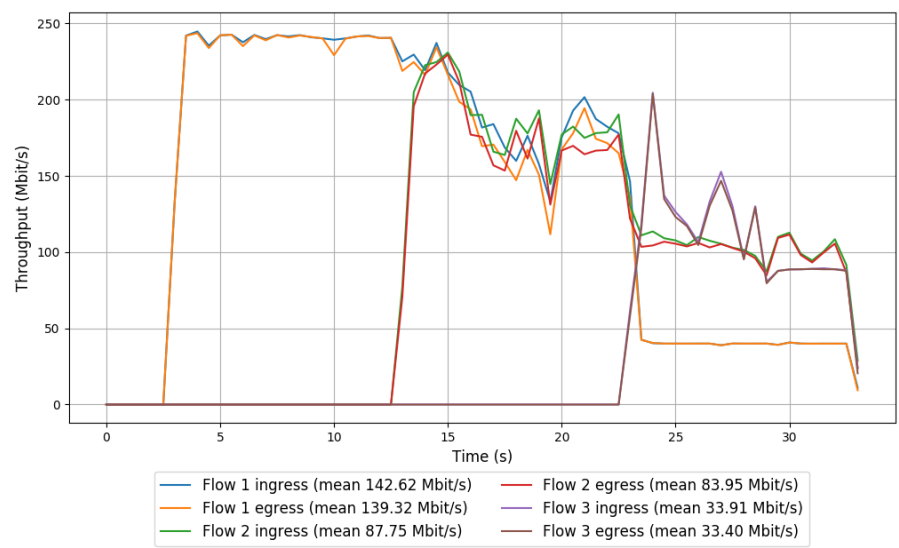
-- Flow 3:

Average throughput: 33.40 Mbit/s

95th percentile per-packet one-way delay: 0.322 ms

Loss rate: 1.53%

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



Run 2: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:35:58 +0000

End at: Tue, 04 Jul 2017 22:36:28 +0000

Local clock offset: -0.031 ms

Remote clock offset: -1.375 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:39:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 242.03 Mbit/s

95th percentile per-packet one-way delay: 1.305 ms

Loss rate: 2.28%

-- Flow 1:

Average throughput: 136.60 Mbit/s

95th percentile per-packet one-way delay: 1.221 ms

Loss rate: 2.19%

-- Flow 2:

Average throughput: 67.51 Mbit/s

95th percentile per-packet one-way delay: 1.783 ms

Loss rate: 2.75%

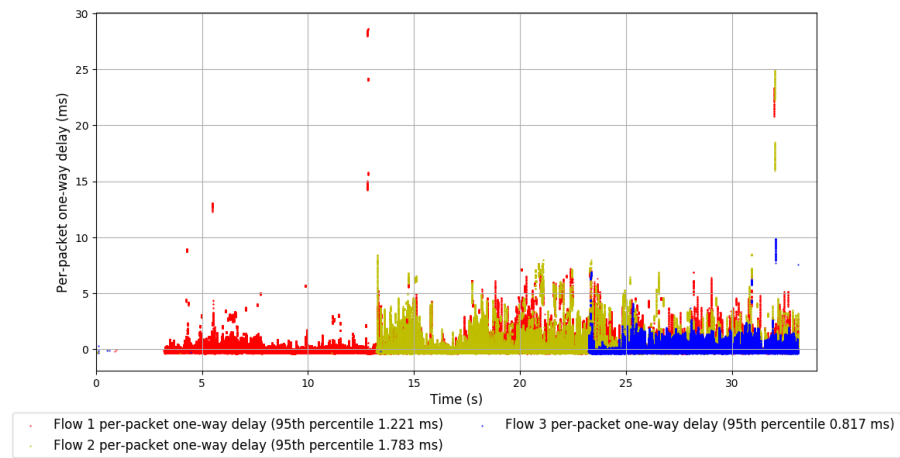
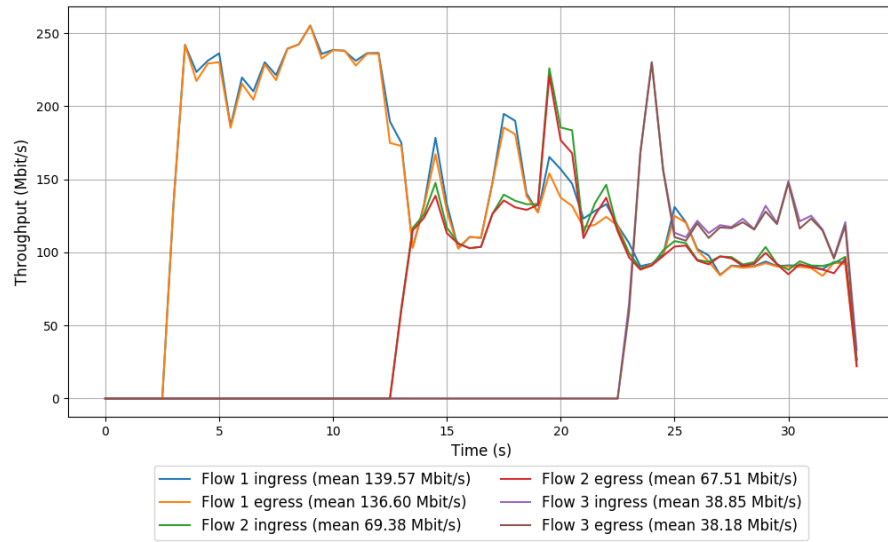
-- Flow 3:

Average throughput: 38.18 Mbit/s

95th percentile per-packet one-way delay: 0.817 ms

Loss rate: 1.79%

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



Run 3: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:56:34 +0000

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

Local clock offset: -0.065 ms

Remote clock offset: -1.082 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:40:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 247.04 Mbit/s

95th percentile per-packet one-way delay: 1.895 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 144.37 Mbit/s

95th percentile per-packet one-way delay: 1.664 ms

Loss rate: 2.14%

-- Flow 2:

Average throughput: 70.28 Mbit/s

95th percentile per-packet one-way delay: 2.442 ms

Loss rate: 3.67%

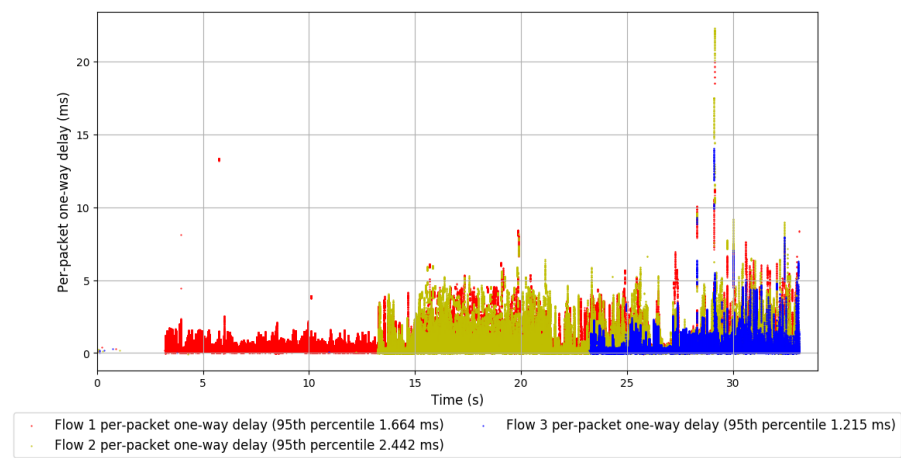
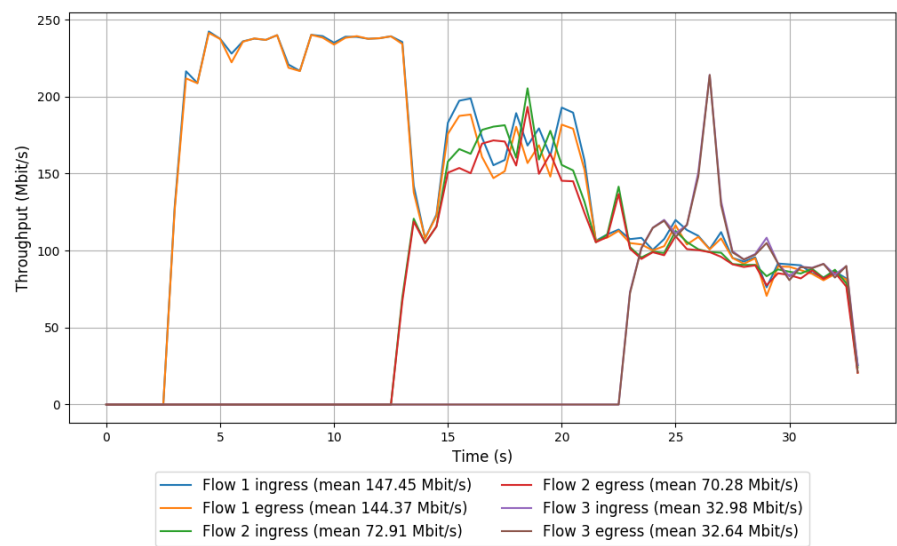
-- Flow 3:

Average throughput: 32.64 Mbit/s

95th percentile per-packet one-way delay: 1.215 ms

Loss rate: 1.09%

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



Run 4: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 23:17:26 +0000

End at: Tue, 04 Jul 2017 23:17:56 +0000

Local clock offset: -0.271 ms

Remote clock offset: -0.961 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:41:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 233.36 Mbit/s

95th percentile per-packet one-way delay: 2.251 ms

Loss rate: 2.65%

-- Flow 1:

Average throughput: 143.08 Mbit/s

95th percentile per-packet one-way delay: 1.885 ms

Loss rate: 2.22%

-- Flow 2:

Average throughput: 72.30 Mbit/s

95th percentile per-packet one-way delay: 2.850 ms

Loss rate: 3.80%

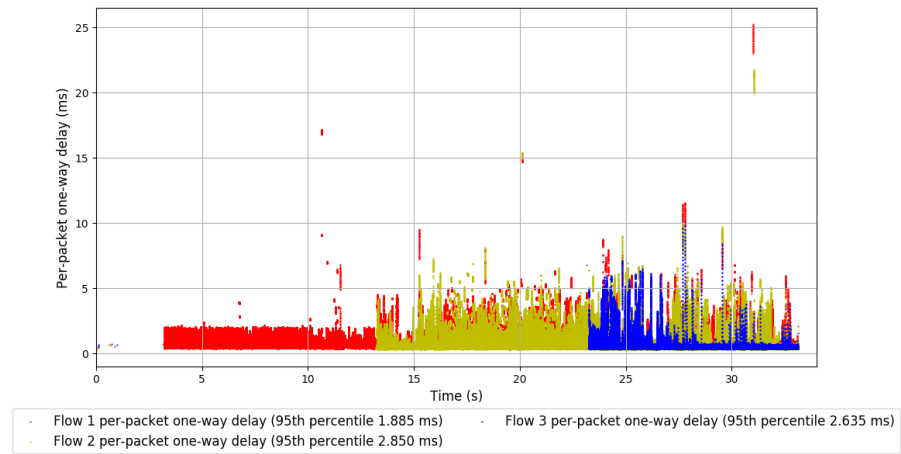
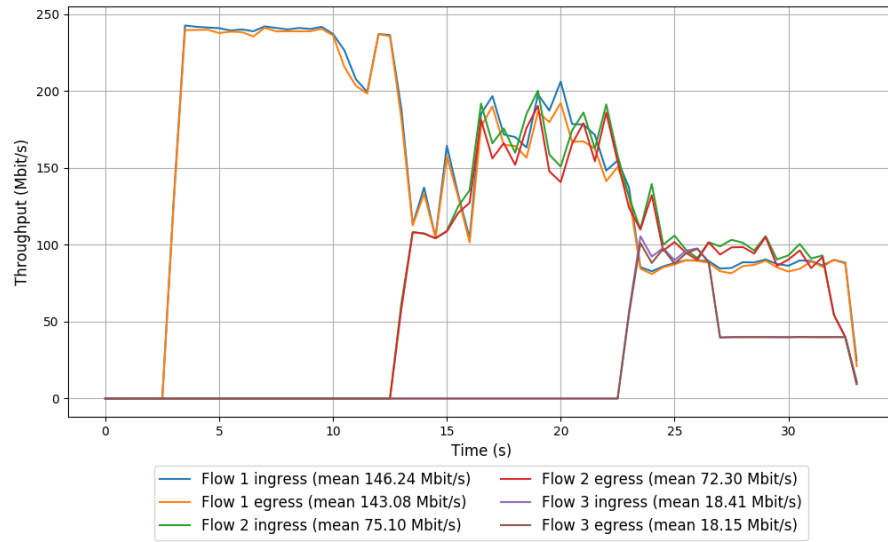
-- Flow 3:

Average throughput: 18.15 Mbit/s

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

Loss rate: 1.42%

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



Run 5: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 23:38:09 +0000

End at: Tue, 04 Jul 2017 23:38:39 +0000

Local clock offset: -0.241 ms

Remote clock offset: -1.041 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:41:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 231.50 Mbit/s

95th percentile per-packet one-way delay: 1.912 ms

Loss rate: 2.39%

-- Flow 1:

Average throughput: 137.43 Mbit/s

95th percentile per-packet one-way delay: 1.626 ms

Loss rate: 2.21%

-- Flow 2:

Average throughput: 68.20 Mbit/s

95th percentile per-packet one-way delay: 2.534 ms

Loss rate: 3.46%

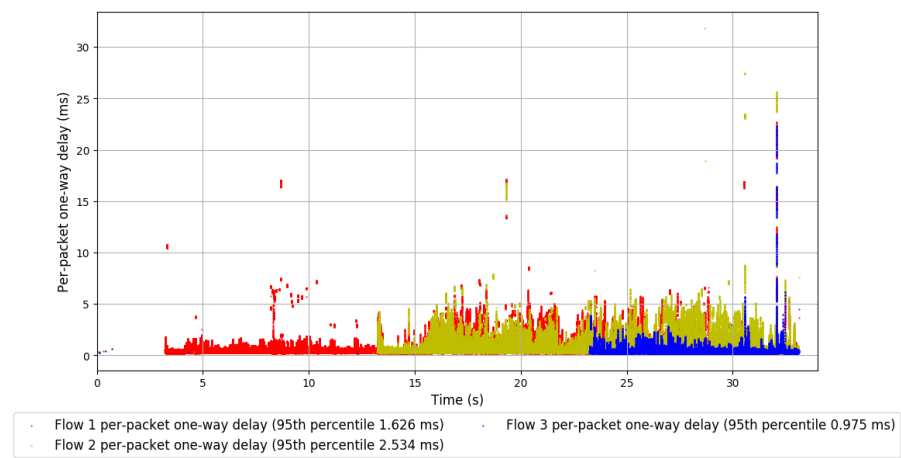
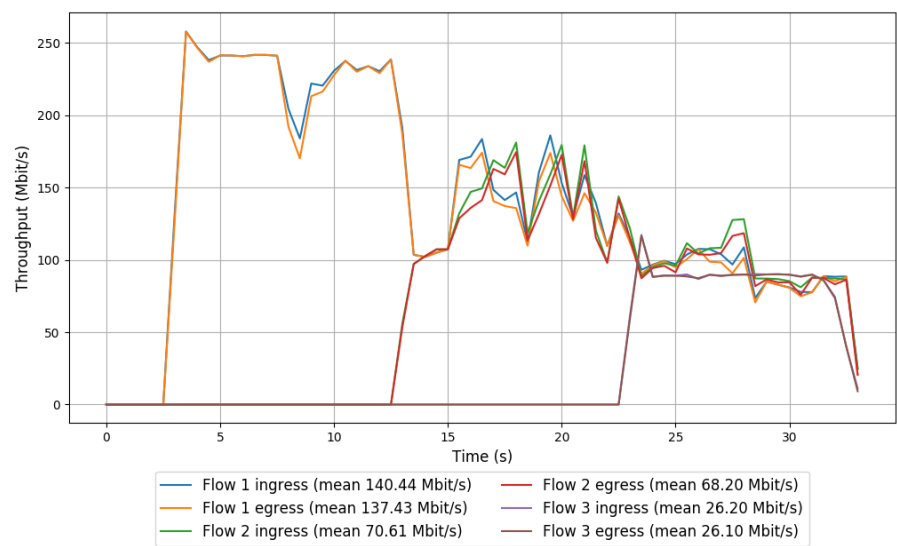
-- Flow 3:

Average throughput: 26.10 Mbit/s

95th percentile per-packet one-way delay: 0.975 ms

Loss rate: 0.47%

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



Run 6: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 23:58:55 +0000

End at: Tue, 04 Jul 2017 23:59:25 +0000

Local clock offset: -0.1 ms

Remote clock offset: -1.006 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:42:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 251.03 Mbit/s

95th percentile per-packet one-way delay: 2.074 ms

Loss rate: 2.51%

-- Flow 1:

Average throughput: 141.97 Mbit/s

95th percentile per-packet one-way delay: 1.811 ms

Loss rate: 1.97%

-- Flow 2:

Average throughput: 79.81 Mbit/s

95th percentile per-packet one-way delay: 2.275 ms

Loss rate: 3.11%

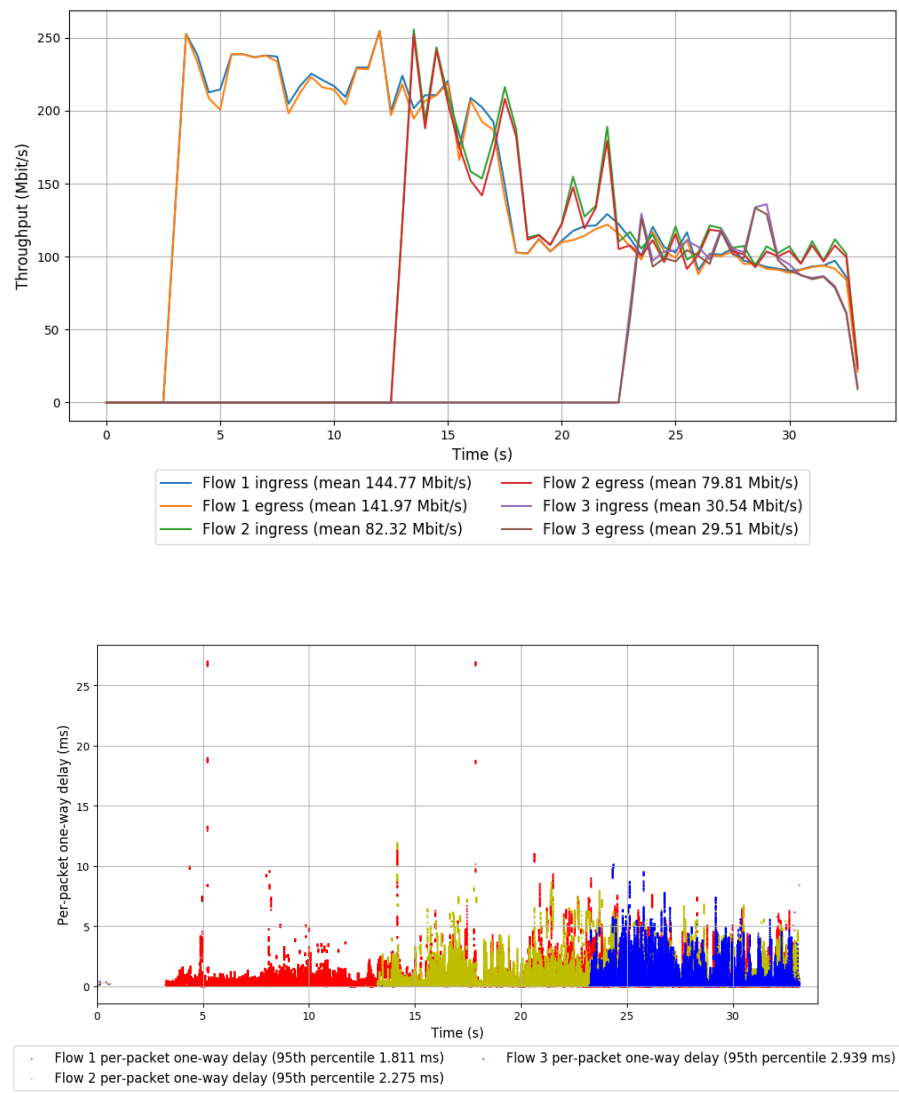
-- Flow 3:

Average throughput: 29.51 Mbit/s

95th percentile per-packet one-way delay: 2.939 ms

Loss rate: 3.44%

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



Run 7: Statistics of TaoVA-100x

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

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

Local clock offset: 0.04 ms

Remote clock offset: -0.99 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:43:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 245.84 Mbit/s

95th percentile per-packet one-way delay: 1.829 ms

Loss rate: 2.79%

-- Flow 1:

Average throughput: 149.10 Mbit/s

95th percentile per-packet one-way delay: 1.736 ms

Loss rate: 2.73%

-- Flow 2:

Average throughput: 73.73 Mbit/s

95th percentile per-packet one-way delay: 2.297 ms

Loss rate: 3.48%

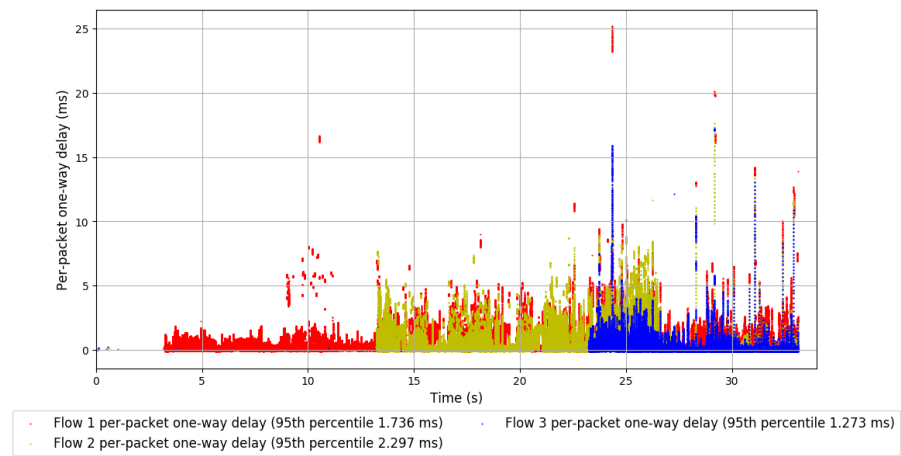
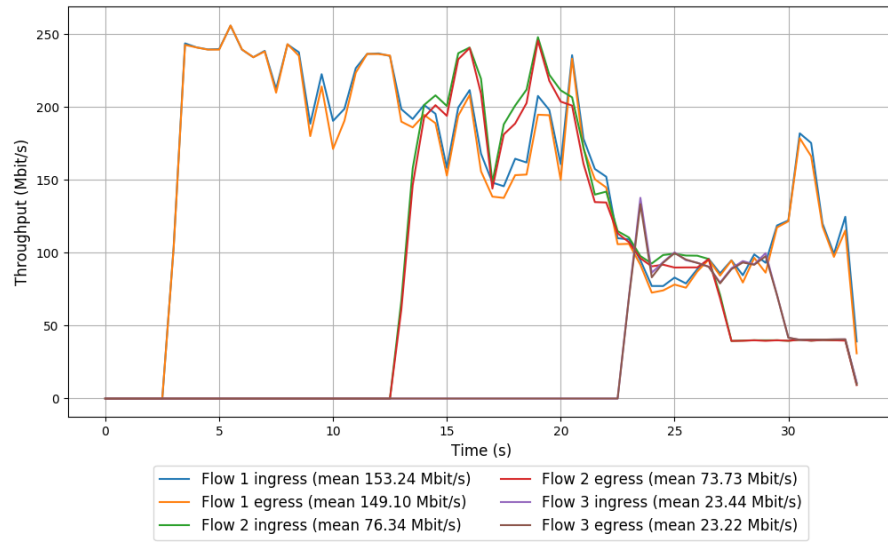
-- Flow 3:

Average throughput: 23.22 Mbit/s

95th percentile per-packet one-way delay: 1.273 ms

Loss rate: 0.98%

Run 7: Report of TaoVA-100x — Data Link



Run 8: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 00:40:16 +0000

End at: Wed, 05 Jul 2017 00:40:46 +0000

Local clock offset: 0.421 ms

Remote clock offset: -1.158 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 224.97 Mbit/s

95th percentile per-packet one-way delay: 1.093 ms

Loss rate: 2.66%

-- Flow 1:

Average throughput: 134.82 Mbit/s

95th percentile per-packet one-way delay: 1.116 ms

Loss rate: 2.48%

-- Flow 2:

Average throughput: 66.85 Mbit/s

95th percentile per-packet one-way delay: 1.225 ms

Loss rate: 3.14%

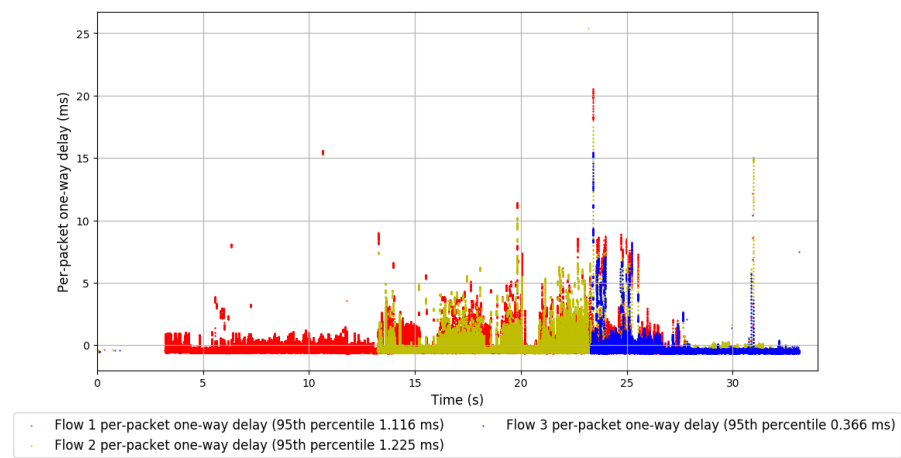
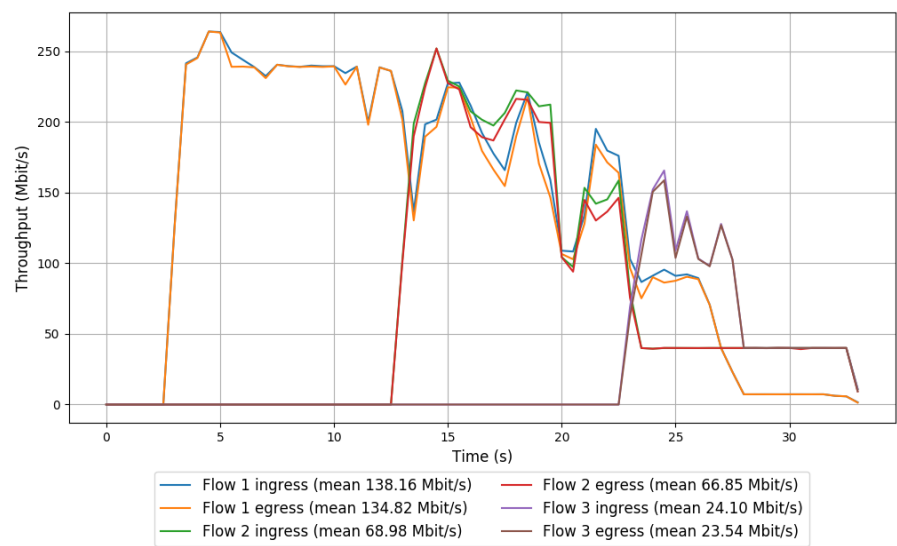
-- Flow 3:

Average throughput: 23.54 Mbit/s

95th percentile per-packet one-way delay: 0.366 ms

Loss rate: 2.35%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 01:00:50 +0000

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

Local clock offset: 0.703 ms

Remote clock offset: -1.487 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:44:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 236.12 Mbit/s

95th percentile per-packet one-way delay: 0.836 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 140.04 Mbit/s

95th percentile per-packet one-way delay: 0.329 ms

Loss rate: 1.92%

-- Flow 2:

Average throughput: 67.02 Mbit/s

95th percentile per-packet one-way delay: 1.261 ms

Loss rate: 3.24%

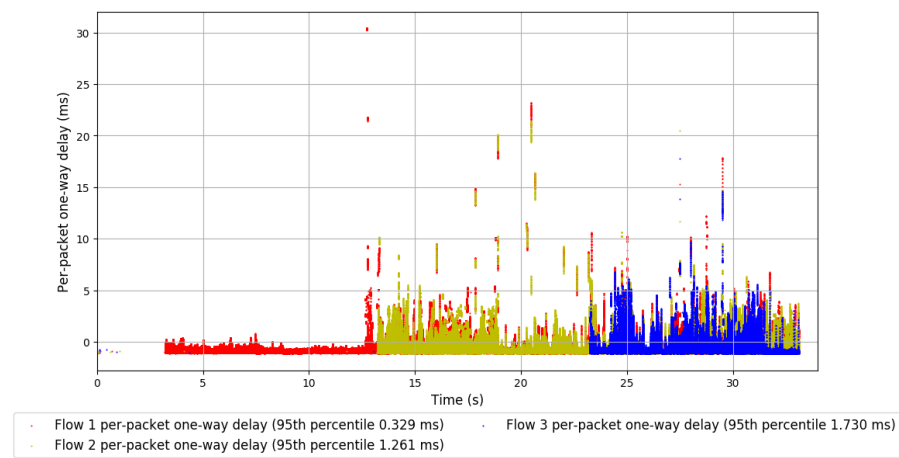
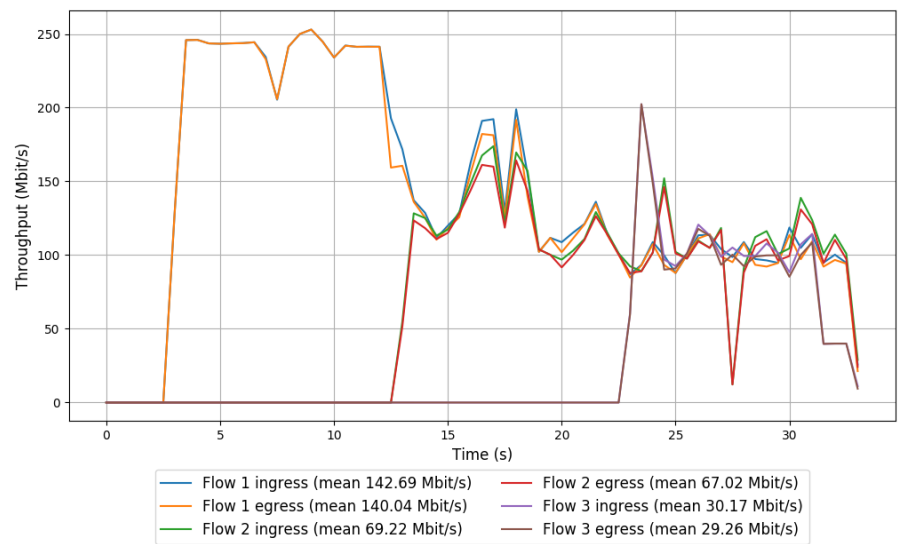
-- Flow 3:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 1.730 ms

Loss rate: 3.08%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 01:21:31 +0000

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

Local clock offset: 0.574 ms

Remote clock offset: -1.383 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:44:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 244.06 Mbit/s

95th percentile per-packet one-way delay: 0.882 ms

Loss rate: 2.46%

-- Flow 1:

Average throughput: 140.26 Mbit/s

95th percentile per-packet one-way delay: 0.686 ms

Loss rate: 2.04%

-- Flow 2:

Average throughput: 79.54 Mbit/s

95th percentile per-packet one-way delay: 1.131 ms

Loss rate: 3.49%

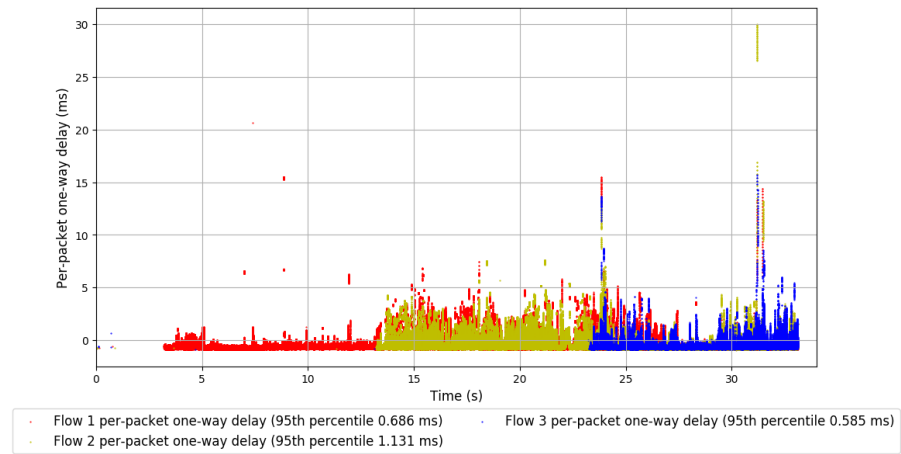
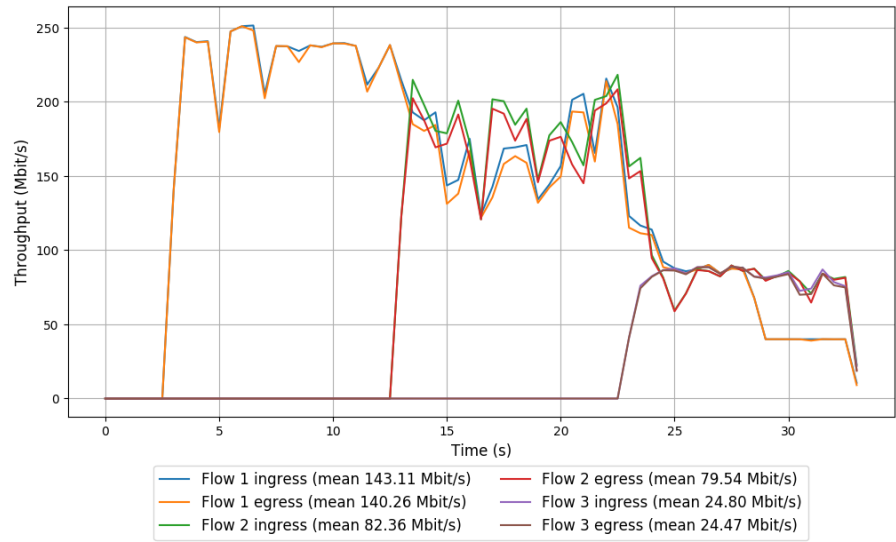
-- Flow 3:

Average throughput: 24.47 Mbit/s

95th percentile per-packet one-way delay: 0.585 ms

Loss rate: 1.40%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

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

End at: Tue, 04 Jul 2017 22:20:52 +0000

Local clock offset: -0.025 ms

Remote clock offset: -1.648 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:44:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 141.39 Mbit/s

95th percentile per-packet one-way delay: -0.227 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 74.64 Mbit/s

95th percentile per-packet one-way delay: -0.239 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 44.30 Mbit/s

95th percentile per-packet one-way delay: -0.196 ms

Loss rate: 0.75%

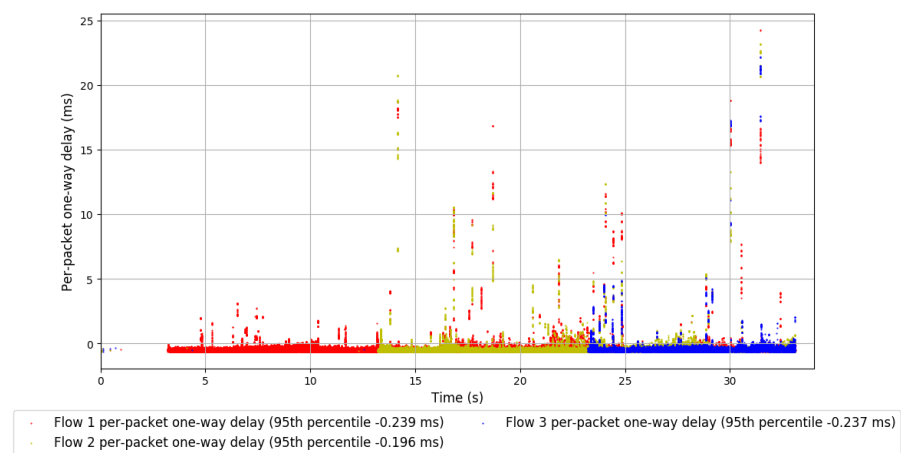
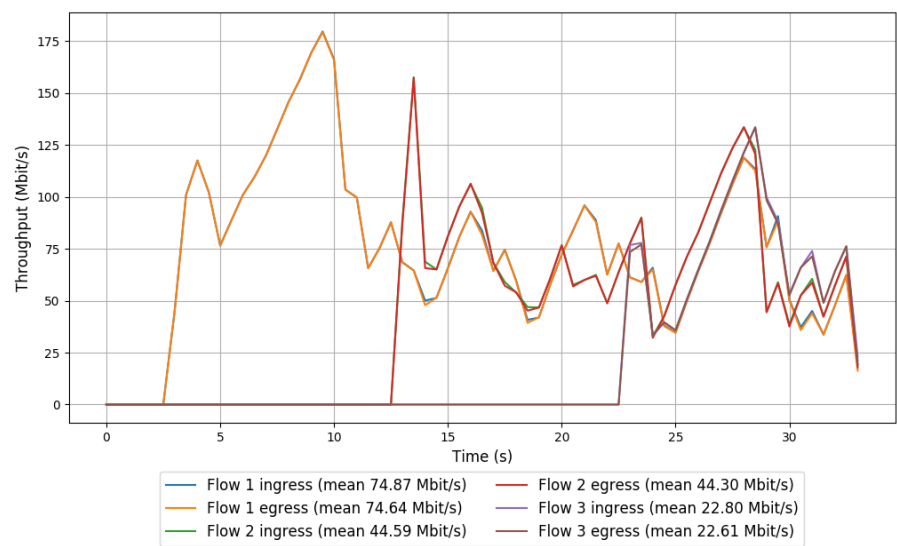
-- Flow 3:

Average throughput: 22.61 Mbit/s

95th percentile per-packet one-way delay: -0.237 ms

Loss rate: 0.89%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:41:02 +0000

End at: Tue, 04 Jul 2017 22:41:32 +0000

Local clock offset: 0.072 ms

Remote clock offset: -1.297 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:44:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 164.71 Mbit/s

95th percentile per-packet one-way delay: 0.039 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 86.27 Mbit/s

95th percentile per-packet one-way delay: 0.039 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 56.17 Mbit/s

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

Loss rate: 0.44%

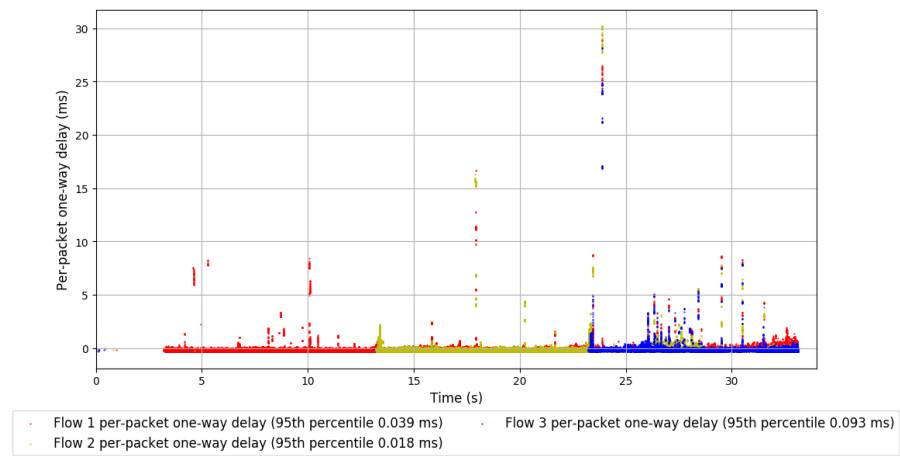
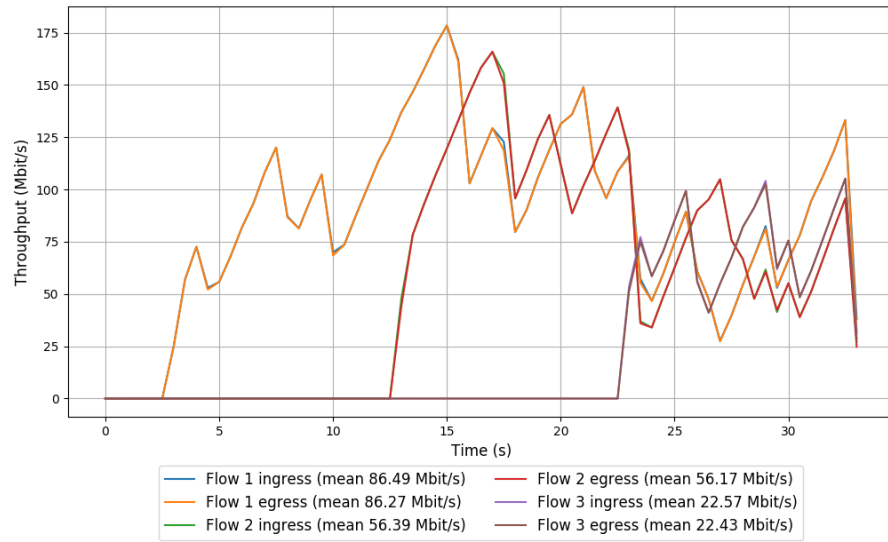
-- Flow 3:

Average throughput: 22.43 Mbit/s

95th percentile per-packet one-way delay: 0.093 ms

Loss rate: 0.68%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:01:38 +0000

End at: Tue, 04 Jul 2017 23:02:08 +0000

Local clock offset: -0.129 ms

Remote clock offset: -0.983 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:44:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 171.13 Mbit/s

95th percentile per-packet one-way delay: 0.590 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 84.71 Mbit/s

95th percentile per-packet one-way delay: 0.558 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 60.88 Mbit/s

95th percentile per-packet one-way delay: 0.600 ms

Loss rate: 0.31%

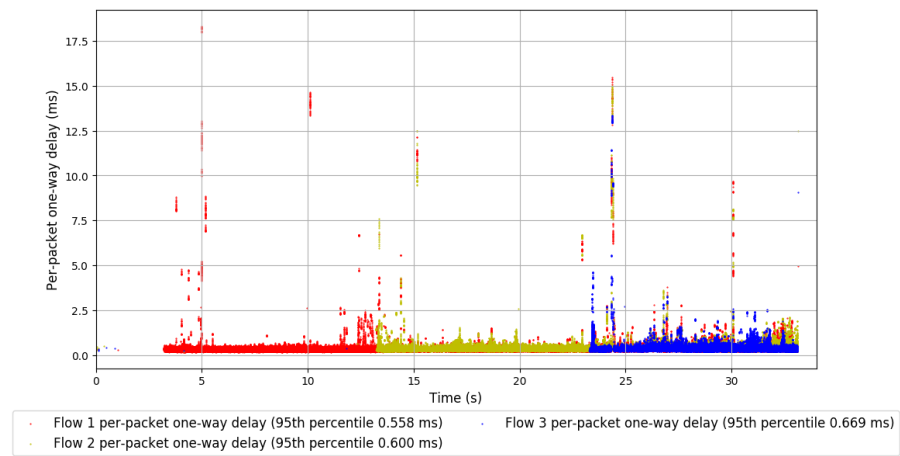
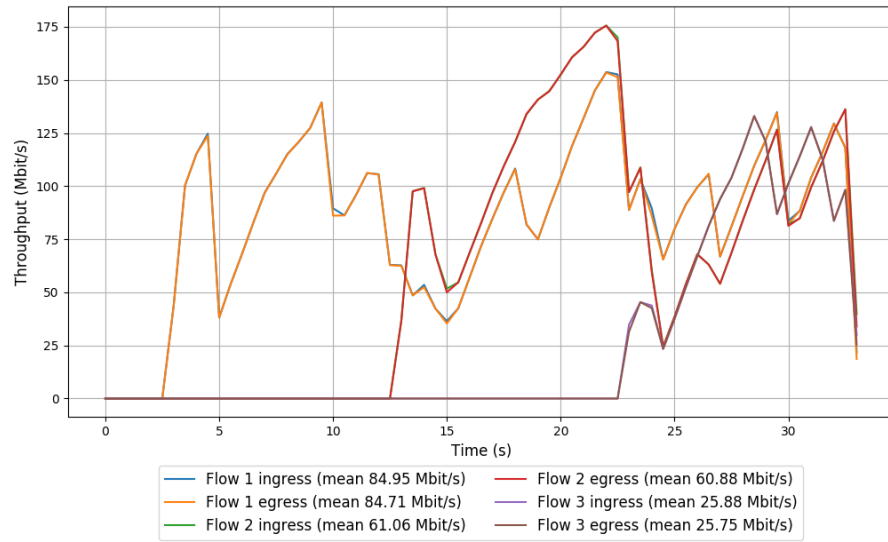
-- Flow 3:

Average throughput: 25.75 Mbit/s

95th percentile per-packet one-way delay: 0.669 ms

Loss rate: 0.56%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:22:28 +0000

End at: Tue, 04 Jul 2017 23:22:58 +0000

Local clock offset: -0.417 ms

Remote clock offset: -0.94 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:45:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 177.67 Mbit/s

95th percentile per-packet one-way delay: 0.684 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 85.03 Mbit/s

95th percentile per-packet one-way delay: 0.669 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 65.64 Mbit/s

95th percentile per-packet one-way delay: 0.661 ms

Loss rate: 0.21%

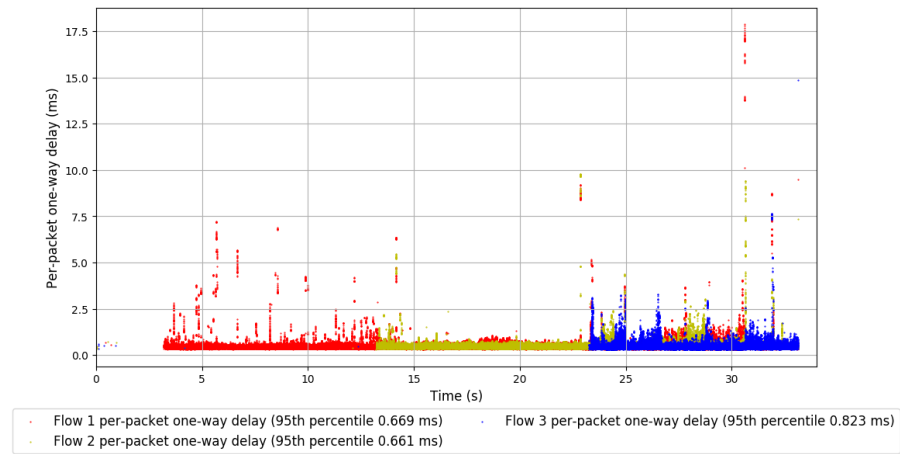
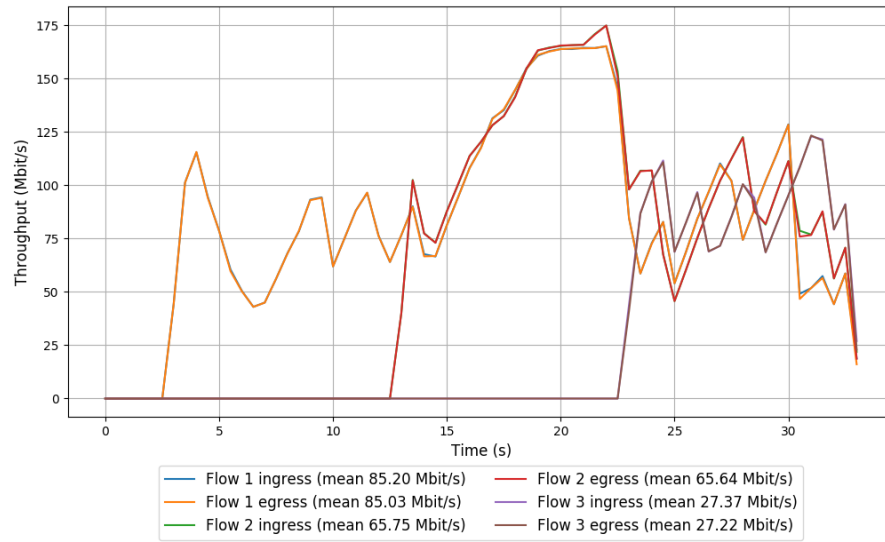
-- Flow 3:

Average throughput: 27.22 Mbit/s

95th percentile per-packet one-way delay: 0.823 ms

Loss rate: 0.57%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:43:09 +0000

End at: Tue, 04 Jul 2017 23:43:39 +0000

Local clock offset: -0.234 ms

Remote clock offset: -0.971 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 137.98 Mbit/s

95th percentile per-packet one-way delay: 0.634 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 67.46 Mbit/s

95th percentile per-packet one-way delay: 0.646 ms

Loss rate: 0.69%

-- Flow 2:

Average throughput: 37.30 Mbit/s

95th percentile per-packet one-way delay: 0.634 ms

Loss rate: 0.85%

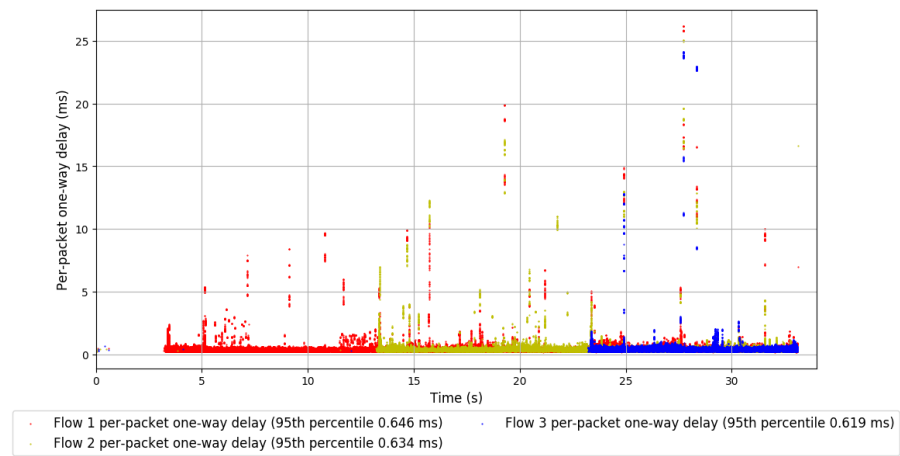
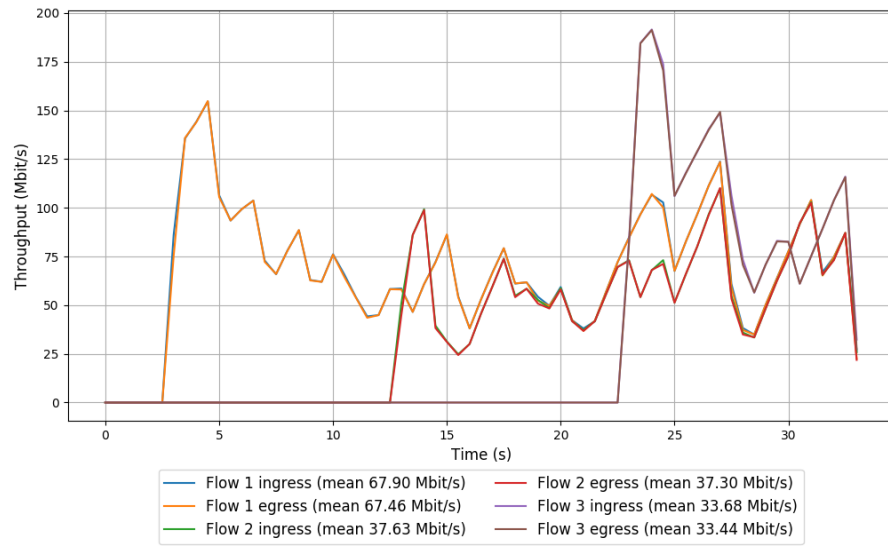
-- Flow 3:

Average throughput: 33.44 Mbit/s

95th percentile per-packet one-way delay: 0.619 ms

Loss rate: 0.79%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 00:04:01 +0000

End at: Wed, 05 Jul 2017 00:04:31 +0000

Local clock offset: -0.172 ms

Remote clock offset: -1.188 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:45:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 165.19 Mbit/s

95th percentile per-packet one-way delay: 0.414 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 77.25 Mbit/s

95th percentile per-packet one-way delay: 0.292 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 61.07 Mbit/s

95th percentile per-packet one-way delay: 0.371 ms

Loss rate: 0.20%

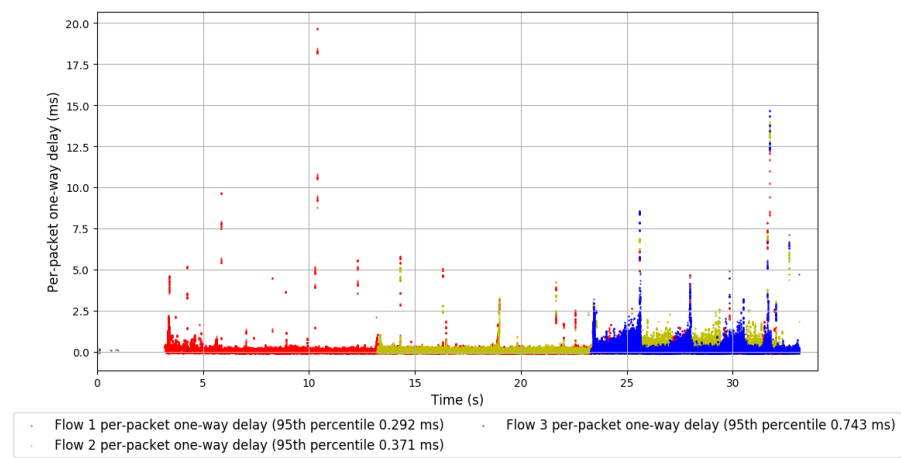
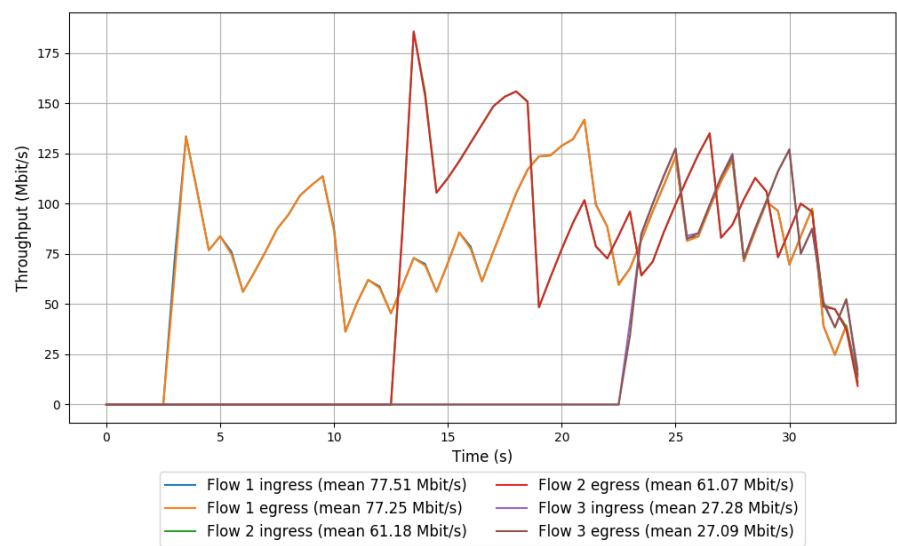
-- Flow 3:

Average throughput: 27.09 Mbit/s

95th percentile per-packet one-way delay: 0.743 ms

Loss rate: 0.74%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 00:24:45 +0000

End at: Wed, 05 Jul 2017 00:25:15 +0000

Local clock offset: 0.207 ms

Remote clock offset: -1.017 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 177.71 Mbit/s

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

Loss rate: 0.28%

-- Flow 1:

Average throughput: 93.74 Mbit/s

95th percentile per-packet one-way delay: 0.294 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 57.96 Mbit/s

95th percentile per-packet one-way delay: 0.351 ms

Loss rate: 0.29%

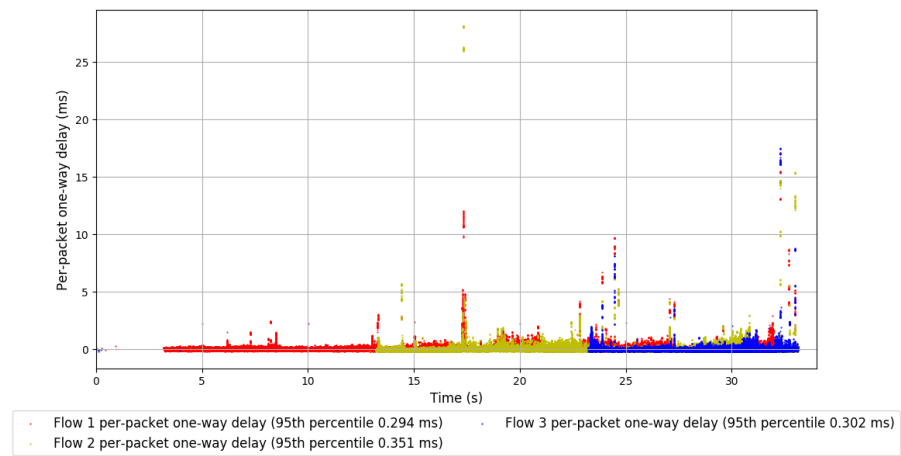
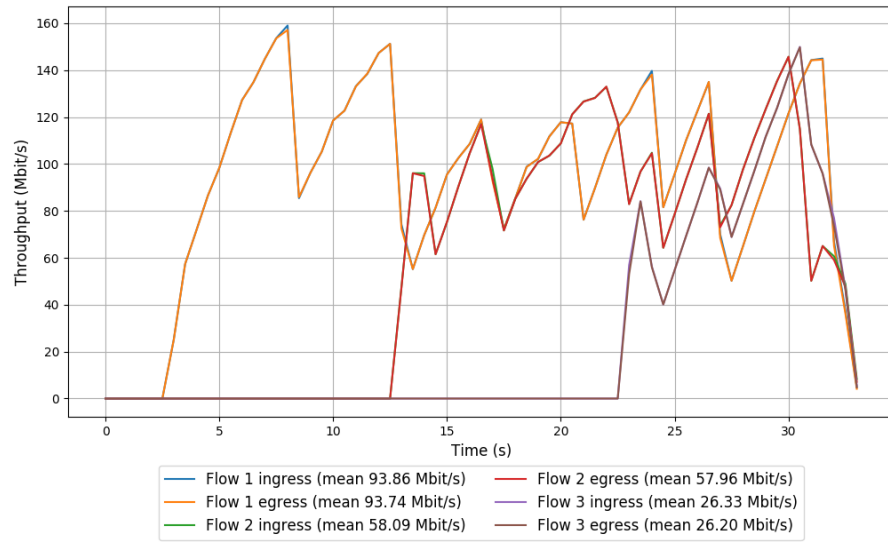
-- Flow 3:

Average throughput: 26.20 Mbit/s

95th percentile per-packet one-way delay: 0.302 ms

Loss rate: 0.56%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 00:45:18 +0000

End at: Wed, 05 Jul 2017 00:45:48 +0000

Local clock offset: 0.487 ms

Remote clock offset: -1.205 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:45:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.49 Mbit/s

95th percentile per-packet one-way delay: -0.388 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 72.89 Mbit/s

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

Loss rate: 0.68%

-- Flow 2:

Average throughput: 45.04 Mbit/s

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

Loss rate: 0.54%

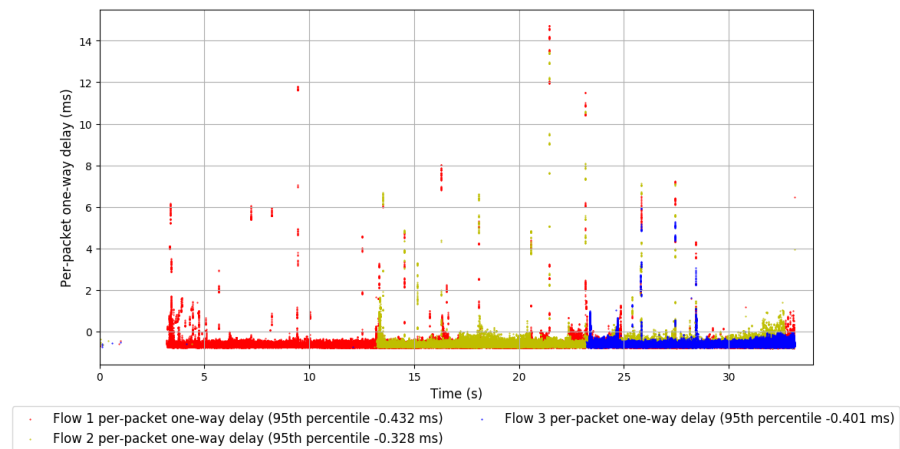
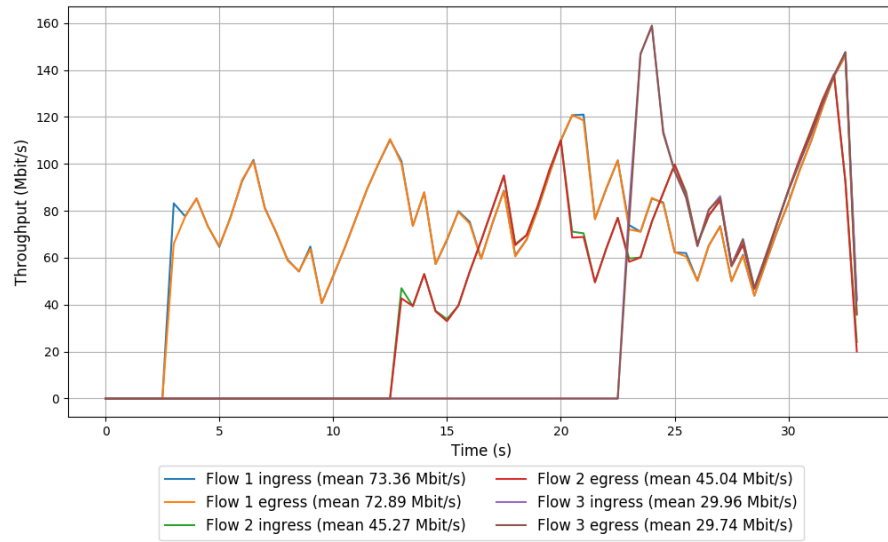
-- Flow 3:

Average throughput: 29.74 Mbit/s

95th percentile per-packet one-way delay: -0.401 ms

Loss rate: 0.78%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 01:05:53 +0000

End at: Wed, 05 Jul 2017 01:06:23 +0000

Local clock offset: 0.564 ms

Remote clock offset: -1.384 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:46:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 146.97 Mbit/s

95th percentile per-packet one-way delay: -0.681 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 81.43 Mbit/s

95th percentile per-packet one-way delay: -0.691 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 43.38 Mbit/s

95th percentile per-packet one-way delay: -0.695 ms

Loss rate: 0.42%

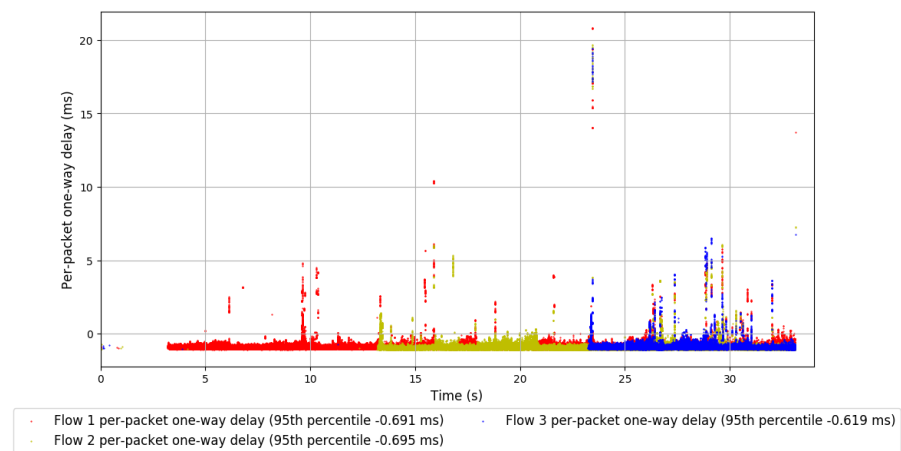
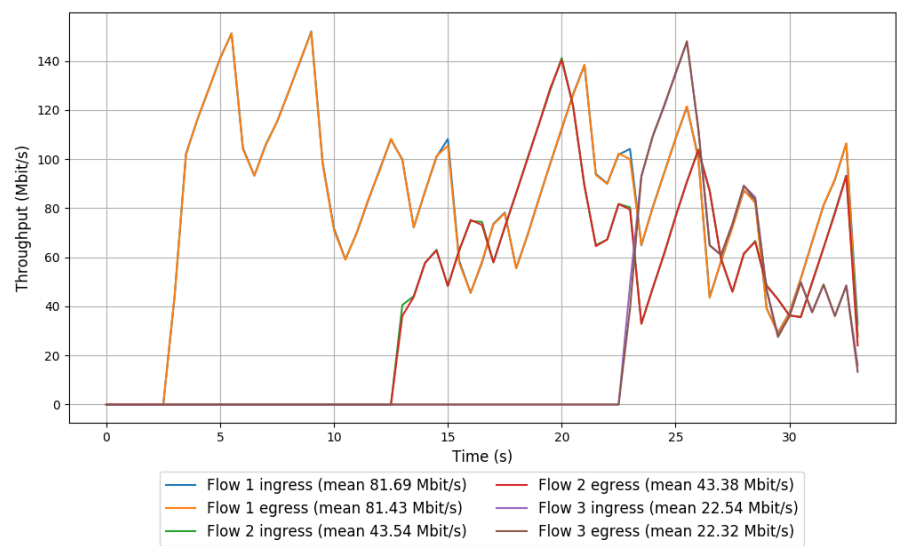
-- Flow 3:

Average throughput: 22.32 Mbit/s

95th percentile per-packet one-way delay: -0.619 ms

Loss rate: 0.97%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 01:26:39 +0000

End at: Wed, 05 Jul 2017 01:27:09 +0000

Local clock offset: 0.495 ms

Remote clock offset: -1.24 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:46:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 176.04 Mbit/s

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

Loss rate: 0.43%

-- Flow 1:

Average throughput: 90.50 Mbit/s

95th percentile per-packet one-way delay: -0.306 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 62.58 Mbit/s

95th percentile per-packet one-way delay: -0.298 ms

Loss rate: 0.28%

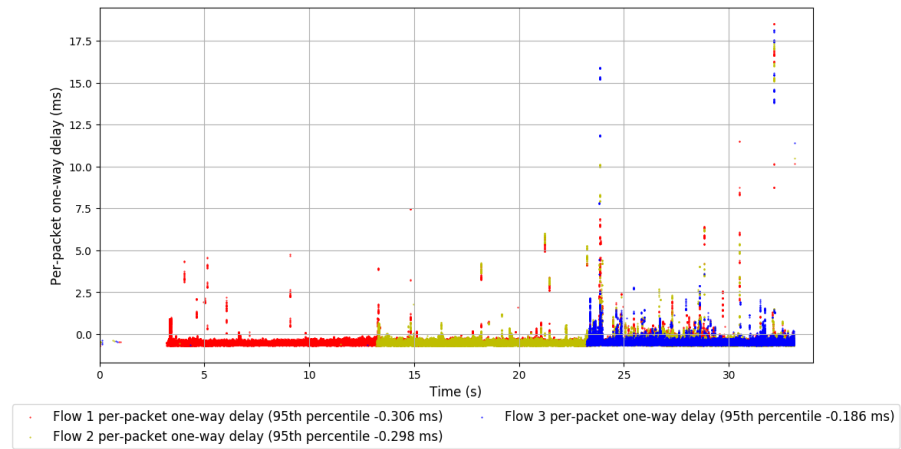
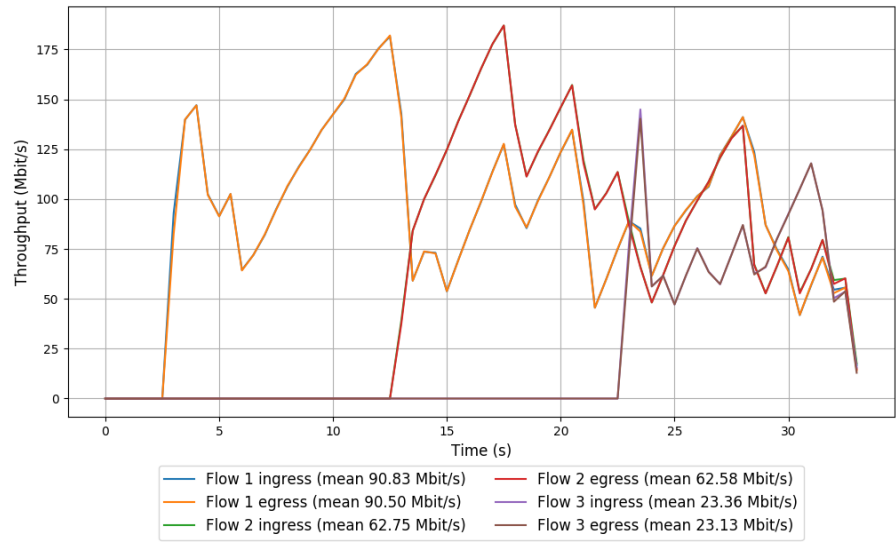
-- Flow 3:

Average throughput: 23.13 Mbit/s

95th percentile per-packet one-way delay: -0.186 ms

Loss rate: 0.98%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:10:51 +0000

End at: Tue, 04 Jul 2017 22:11:21 +0000

Local clock offset: -0.005 ms

Remote clock offset: -1.501 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:46:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 160.15 Mbit/s

95th percentile per-packet one-way delay: 4.865 ms

Loss rate: 46.56%

-- Flow 1:

Average throughput: 80.16 Mbit/s

95th percentile per-packet one-way delay: 5.048 ms

Loss rate: 53.92%

-- Flow 2:

Average throughput: 59.40 Mbit/s

95th percentile per-packet one-way delay: 4.452 ms

Loss rate: 34.88%

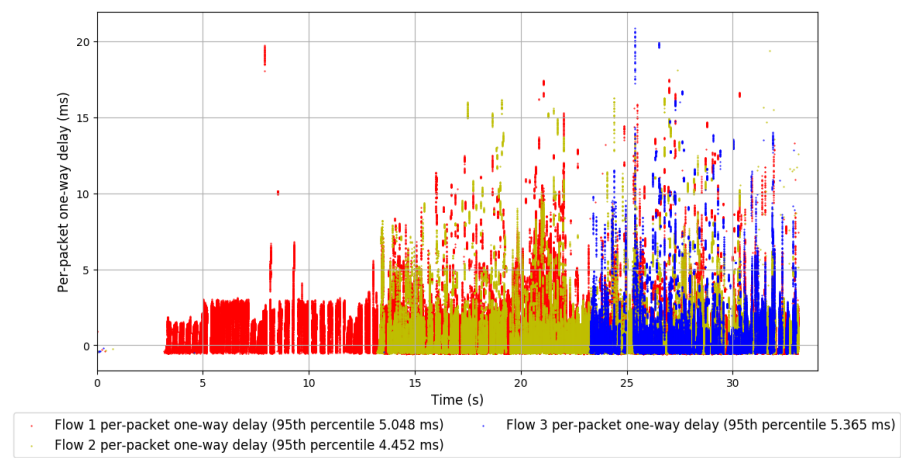
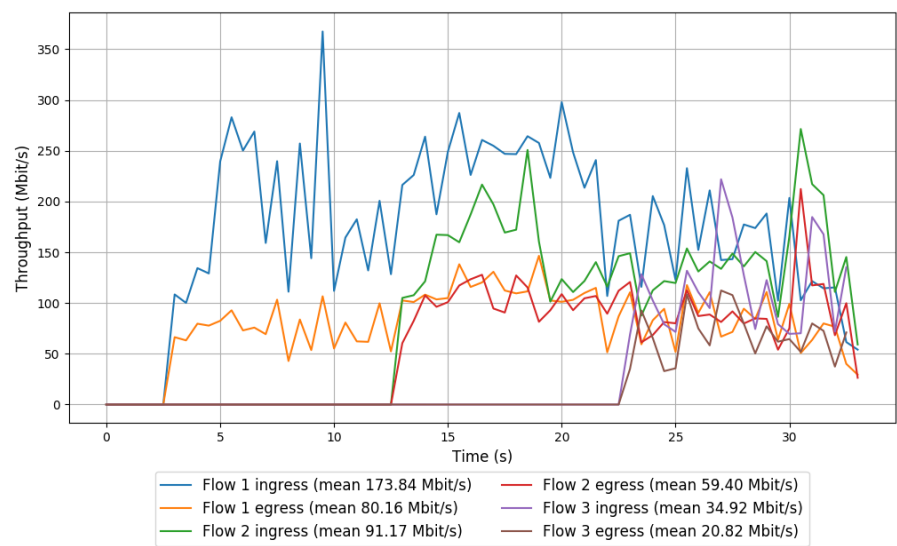
-- Flow 3:

Average throughput: 20.82 Mbit/s

95th percentile per-packet one-way delay: 5.365 ms

Loss rate: 40.36%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:31:35 +0000

End at: Tue, 04 Jul 2017 22:32:05 +0000

Local clock offset: 0.028 ms

Remote clock offset: -1.488 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:46:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 147.84 Mbit/s

95th percentile per-packet one-way delay: 4.225 ms

Loss rate: 41.92%

-- Flow 1:

Average throughput: 70.66 Mbit/s

95th percentile per-packet one-way delay: 3.392 ms

Loss rate: 43.15%

-- Flow 2:

Average throughput: 53.14 Mbit/s

95th percentile per-packet one-way delay: 4.606 ms

Loss rate: 44.01%

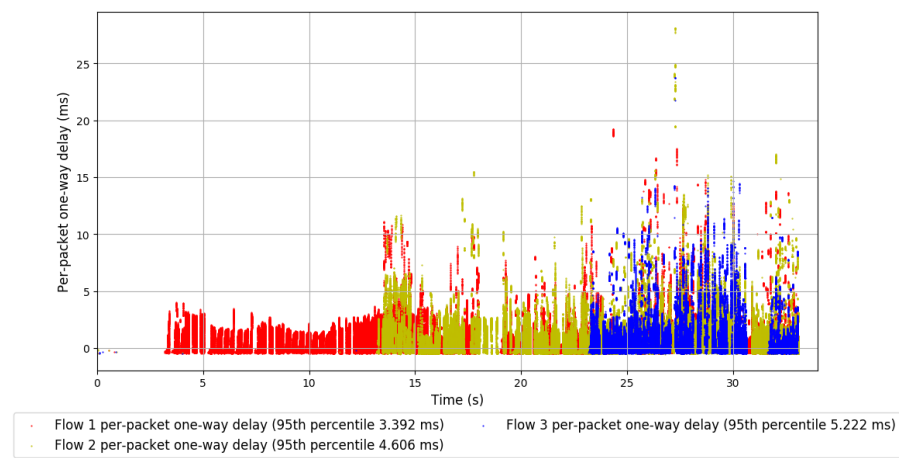
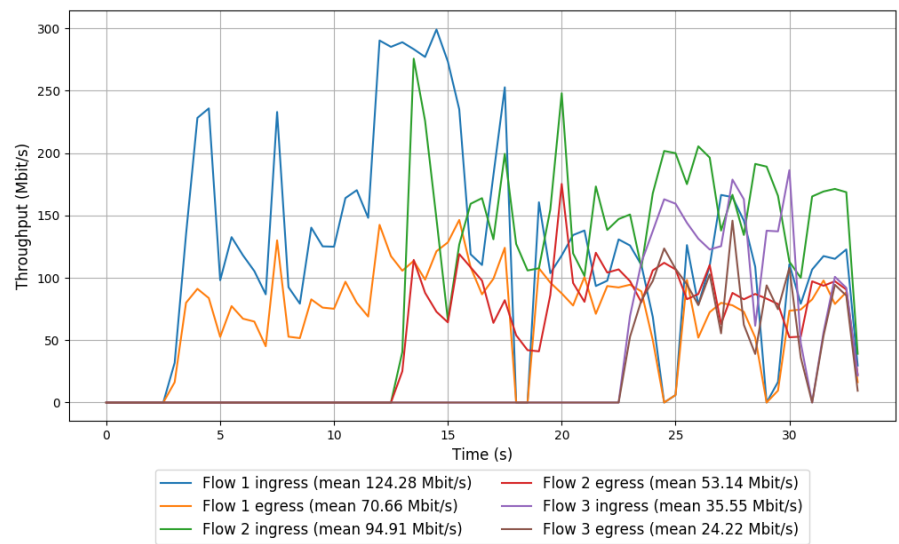
-- Flow 3:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 5.222 ms

Loss rate: 31.99%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:52:12 +0000

End at: Tue, 04 Jul 2017 22:52:42 +0000

Local clock offset: -0.075 ms

Remote clock offset: -1.232 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 150.46 Mbit/s

95th percentile per-packet one-way delay: 4.273 ms

Loss rate: 41.82%

-- Flow 1:

Average throughput: 78.35 Mbit/s

95th percentile per-packet one-way delay: 3.769 ms

Loss rate: 40.54%

-- Flow 2:

Average throughput: 53.79 Mbit/s

95th percentile per-packet one-way delay: 4.499 ms

Loss rate: 44.36%

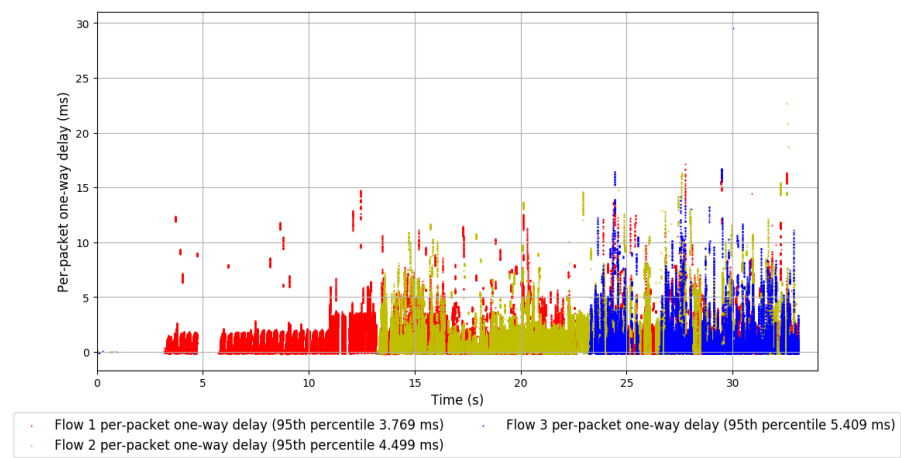
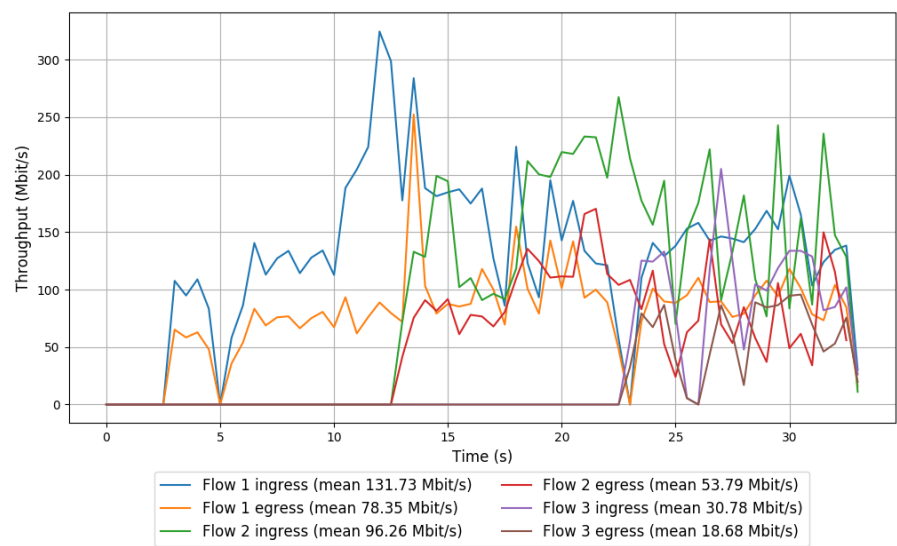
-- Flow 3:

Average throughput: 18.68 Mbit/s

95th percentile per-packet one-way delay: 5.409 ms

Loss rate: 39.33%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:13:01 +0000

End at: Tue, 04 Jul 2017 23:13:31 +0000

Local clock offset: -0.24 ms

Remote clock offset: -0.965 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:47:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 157.66 Mbit/s

95th percentile per-packet one-way delay: 7.065 ms

Loss rate: 48.10%

-- Flow 1:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 7.600 ms

Loss rate: 53.13%

-- Flow 2:

Average throughput: 53.65 Mbit/s

95th percentile per-packet one-way delay: 6.430 ms

Loss rate: 41.17%

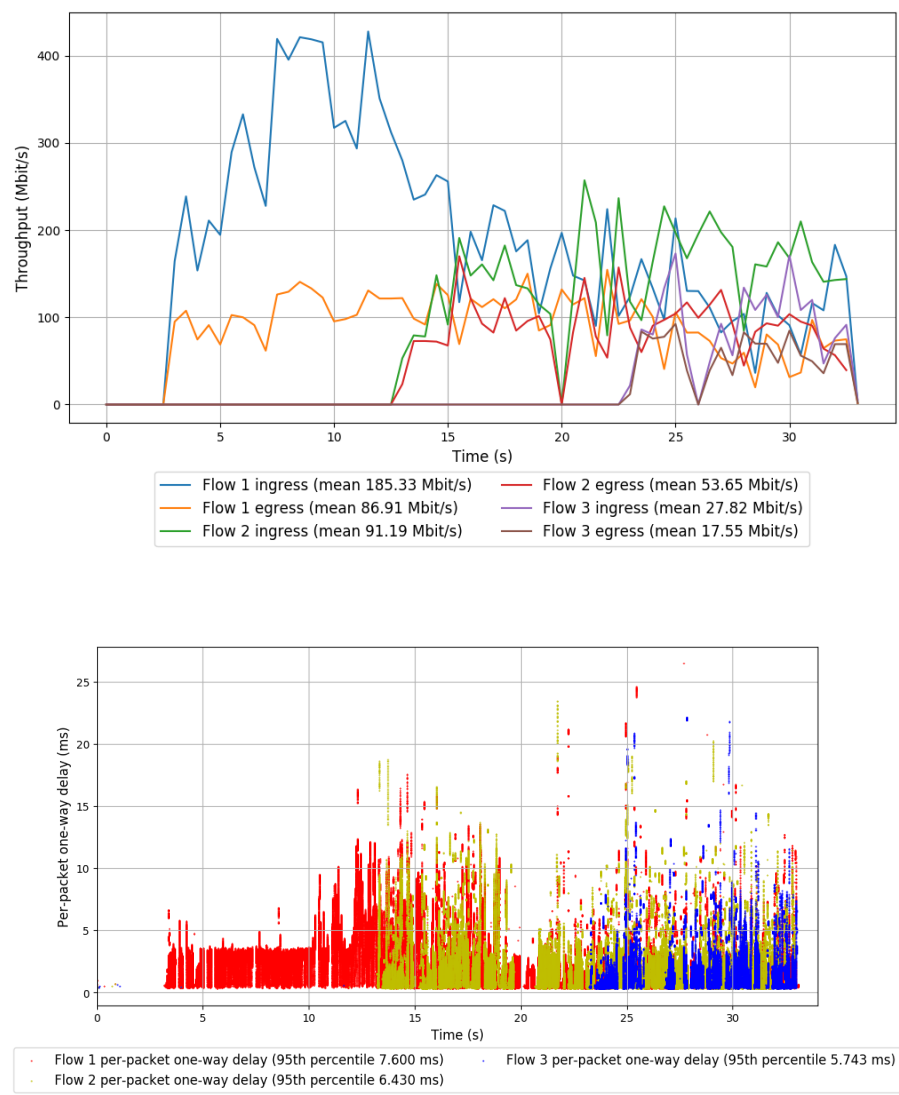
-- Flow 3:

Average throughput: 17.55 Mbit/s

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

Loss rate: 37.12%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:33:47 +0000

End at: Tue, 04 Jul 2017 23:34:17 +0000

Local clock offset: -0.372 ms

Remote clock offset: -1.007 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:47:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 157.53 Mbit/s

95th percentile per-packet one-way delay: 4.142 ms

Loss rate: 36.33%

-- Flow 1:

Average throughput: 90.56 Mbit/s

95th percentile per-packet one-way delay: 3.251 ms

Loss rate: 34.59%

-- Flow 2:

Average throughput: 48.20 Mbit/s

95th percentile per-packet one-way delay: 5.249 ms

Loss rate: 39.07%

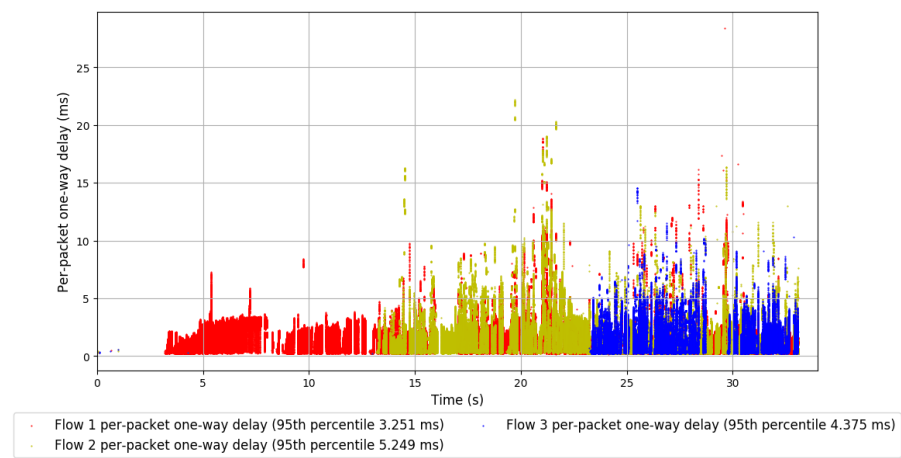
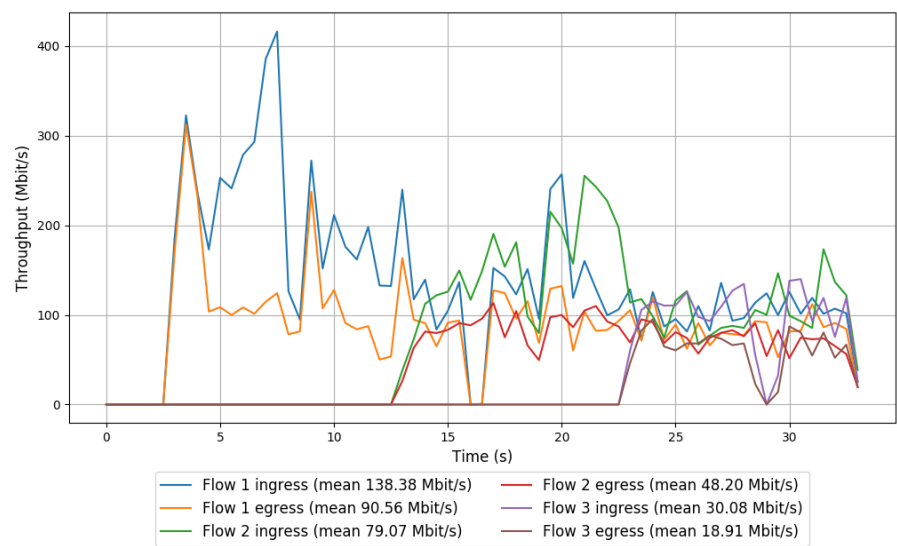
-- Flow 3:

Average throughput: 18.91 Mbit/s

95th percentile per-packet one-way delay: 4.375 ms

Loss rate: 37.15%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:54:30 +0000

End at: Tue, 04 Jul 2017 23:55:00 +0000

Local clock offset: -0.148 ms

Remote clock offset: -1.005 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:47:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 165.59 Mbit/s

95th percentile per-packet one-way delay: 3.328 ms

Loss rate: 40.65%

-- Flow 1:

Average throughput: 77.14 Mbit/s

95th percentile per-packet one-way delay: 3.267 ms

Loss rate: 47.31%

-- Flow 2:

Average throughput: 67.55 Mbit/s

95th percentile per-packet one-way delay: 3.010 ms

Loss rate: 31.49%

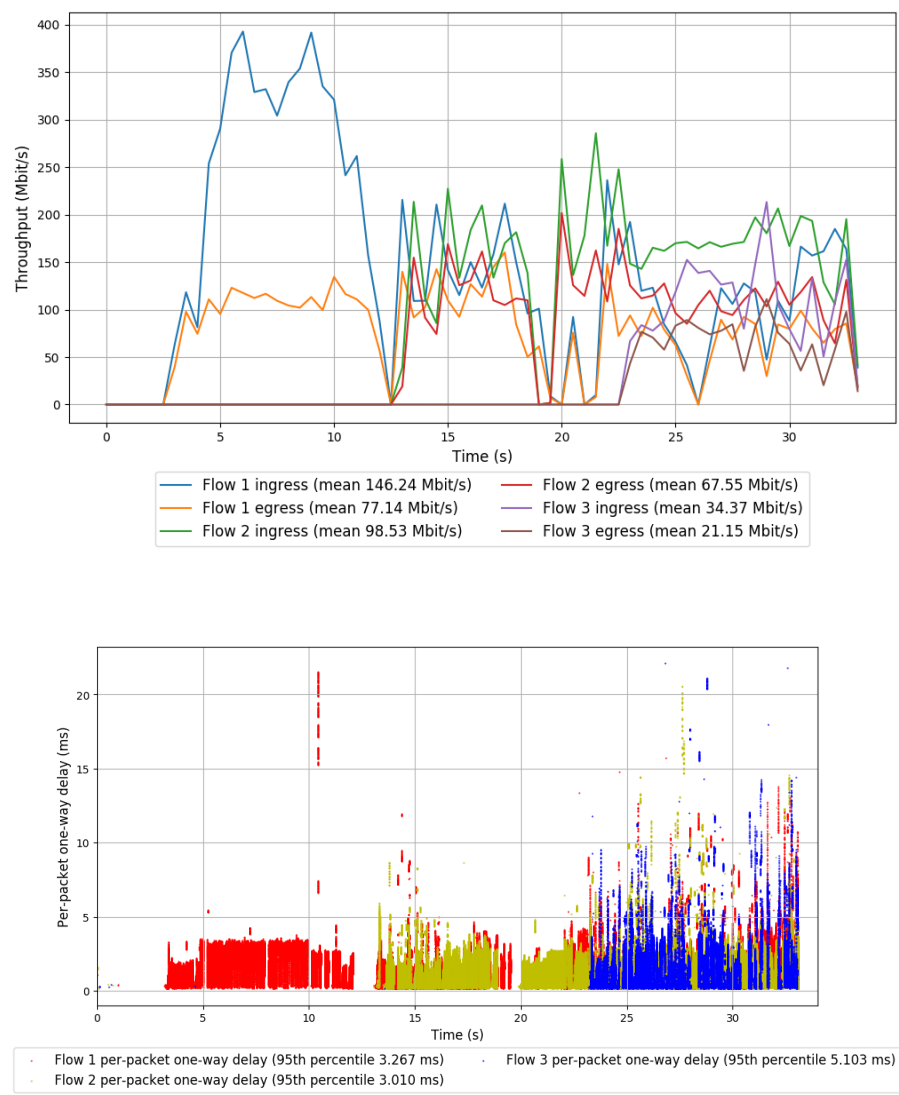
-- Flow 3:

Average throughput: 21.15 Mbit/s

95th percentile per-packet one-way delay: 5.103 ms

Loss rate: 38.48%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Wed, 05 Jul 2017 00:15:14 +0000

End at: Wed, 05 Jul 2017 00:15:44 +0000

Local clock offset: 0.032 ms

Remote clock offset: -1.082 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:47:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 173.38 Mbit/s

95th percentile per-packet one-way delay: 3.969 ms

Loss rate: 43.00%

-- Flow 1:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 3.808 ms

Loss rate: 46.79%

-- Flow 2:

Average throughput: 53.54 Mbit/s

95th percentile per-packet one-way delay: 4.373 ms

Loss rate: 40.16%

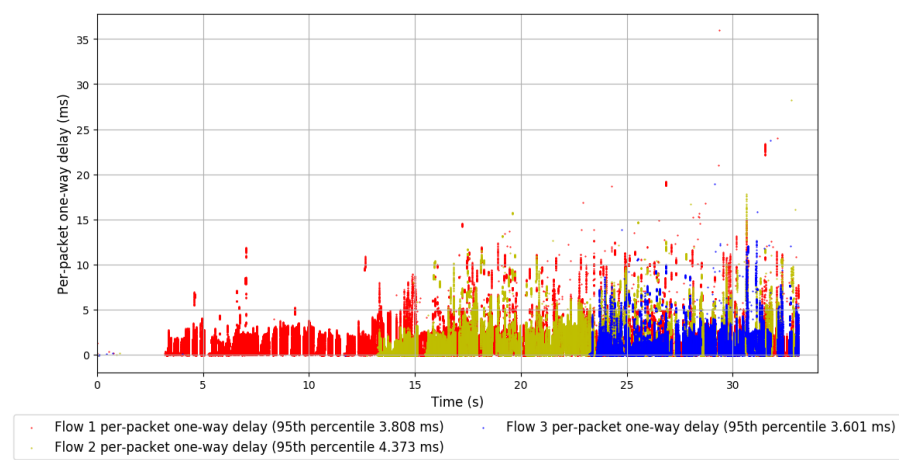
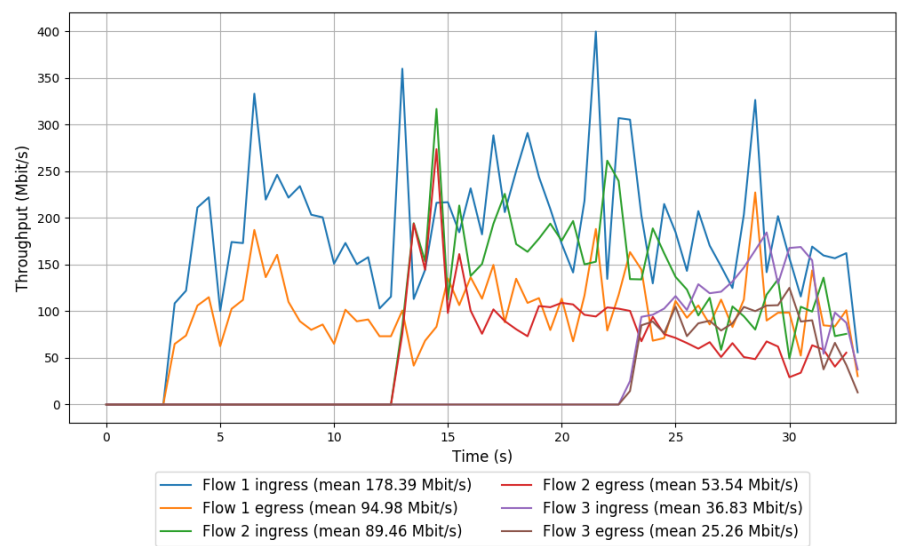
-- Flow 3:

Average throughput: 25.26 Mbit/s

95th percentile per-packet one-way delay: 3.601 ms

Loss rate: 31.46%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Wed, 05 Jul 2017 00:35:54 +0000

End at: Wed, 05 Jul 2017 00:36:24 +0000

Local clock offset: 0.411 ms

Remote clock offset: -1.052 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:48:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 166.08 Mbit/s

95th percentile per-packet one-way delay: 4.266 ms

Loss rate: 41.66%

-- Flow 1:

Average throughput: 74.56 Mbit/s

95th percentile per-packet one-way delay: 3.934 ms

Loss rate: 47.23%

-- Flow 2:

Average throughput: 70.40 Mbit/s

95th percentile per-packet one-way delay: 3.791 ms

Loss rate: 34.90%

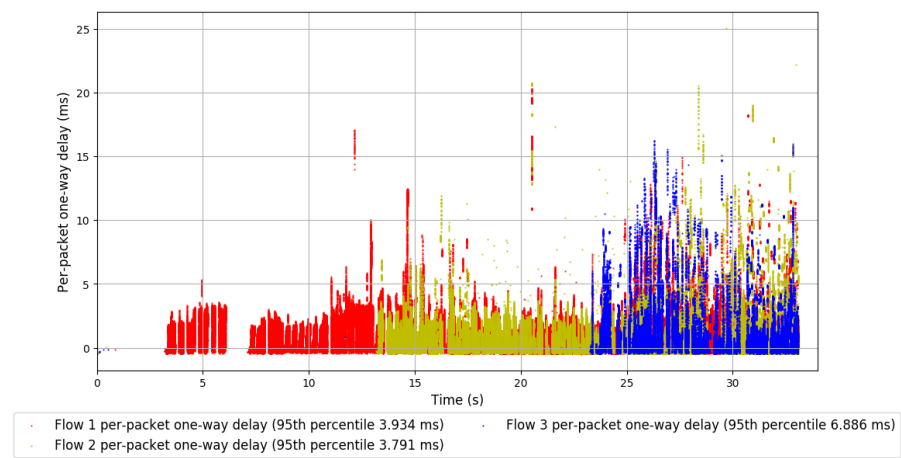
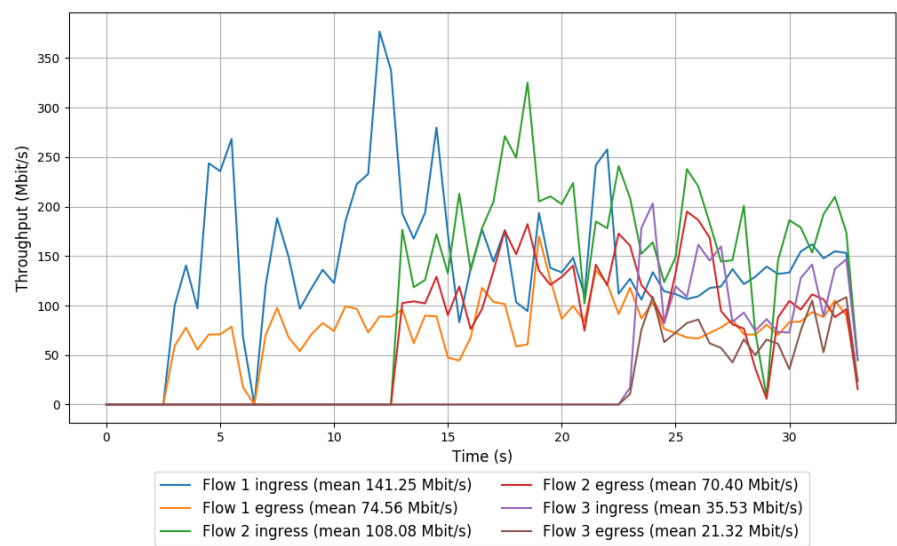
-- Flow 3:

Average throughput: 21.32 Mbit/s

95th percentile per-packet one-way delay: 6.886 ms

Loss rate: 40.07%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Wed, 05 Jul 2017 00:56:29 +0000

End at: Wed, 05 Jul 2017 00:56:59 +0000

Local clock offset: 0.696 ms

Remote clock offset: -1.49 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:48:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 152.48 Mbit/s

95th percentile per-packet one-way delay: 3.049 ms

Loss rate: 43.68%

-- Flow 1:

Average throughput: 87.92 Mbit/s

95th percentile per-packet one-way delay: 2.305 ms

Loss rate: 41.44%

-- Flow 2:

Average throughput: 45.81 Mbit/s

95th percentile per-packet one-way delay: 3.523 ms

Loss rate: 46.06%

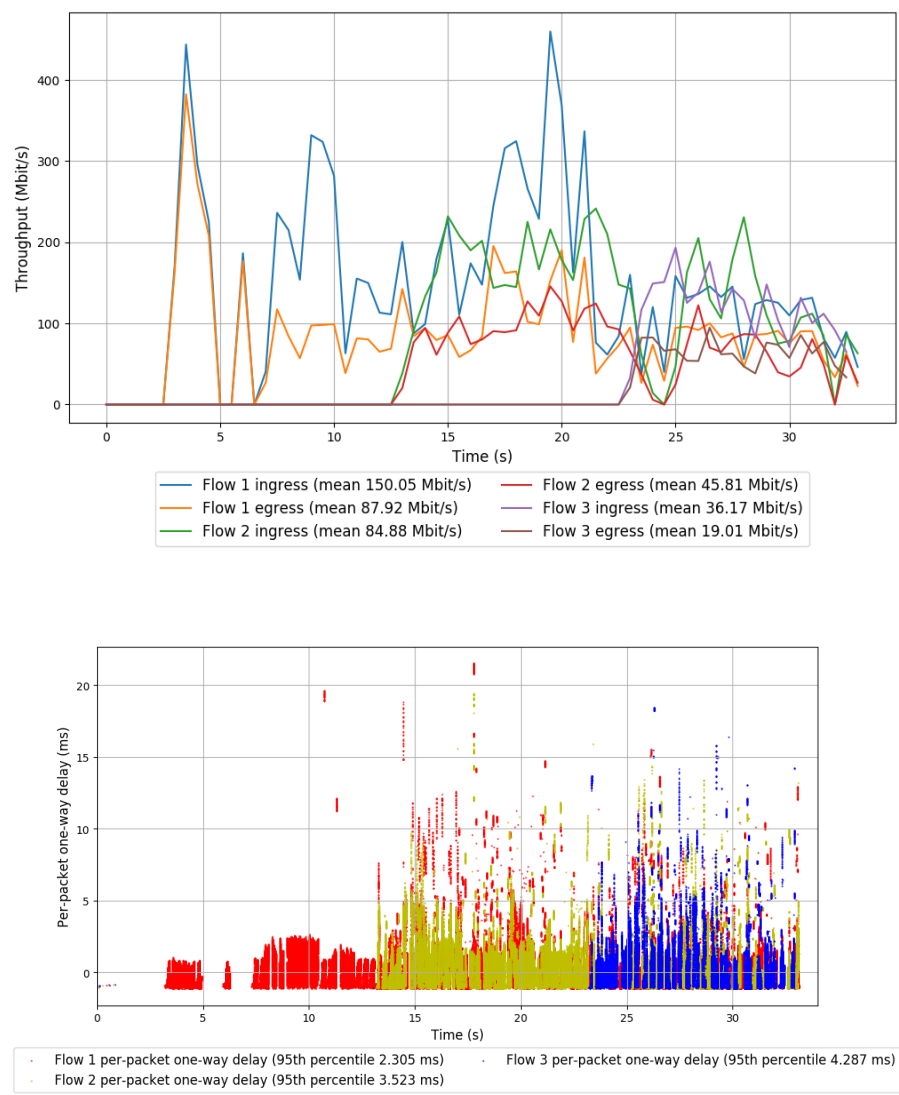
-- Flow 3:

Average throughput: 19.01 Mbit/s

95th percentile per-packet one-way delay: 4.287 ms

Loss rate: 47.45%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Wed, 05 Jul 2017 01:17:08 +0000

End at: Wed, 05 Jul 2017 01:17:38 +0000

Local clock offset: 0.493 ms

Remote clock offset: -1.43 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:48:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 162.25 Mbit/s

95th percentile per-packet one-way delay: 2.667 ms

Loss rate: 39.71%

-- Flow 1:

Average throughput: 79.17 Mbit/s

95th percentile per-packet one-way delay: 2.337 ms

Loss rate: 43.43%

-- Flow 2:

Average throughput: 59.76 Mbit/s

95th percentile per-packet one-way delay: 3.012 ms

Loss rate: 38.87%

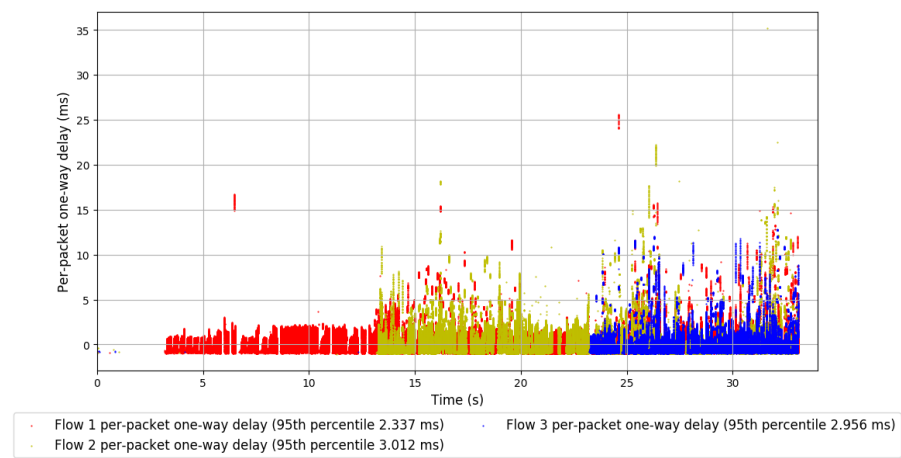
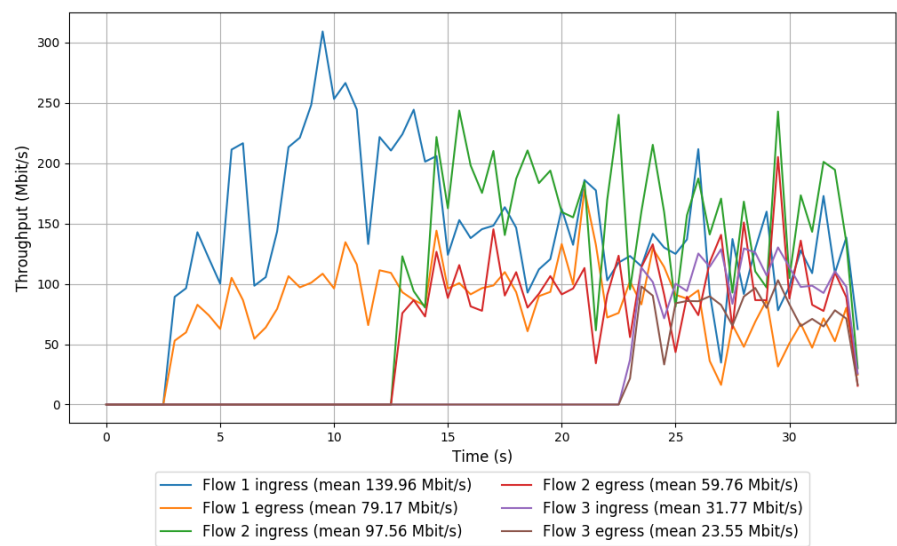
-- Flow 3:

Average throughput: 23.55 Mbit/s

95th percentile per-packet one-way delay: 2.956 ms

Loss rate: 25.89%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

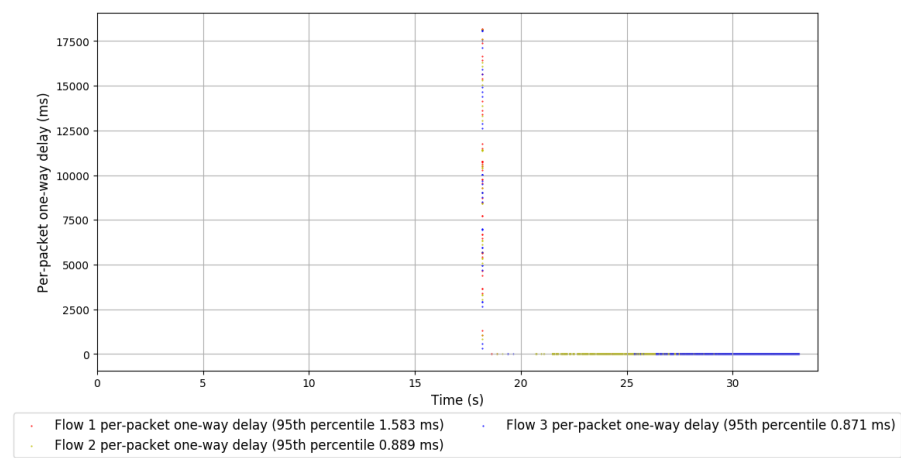
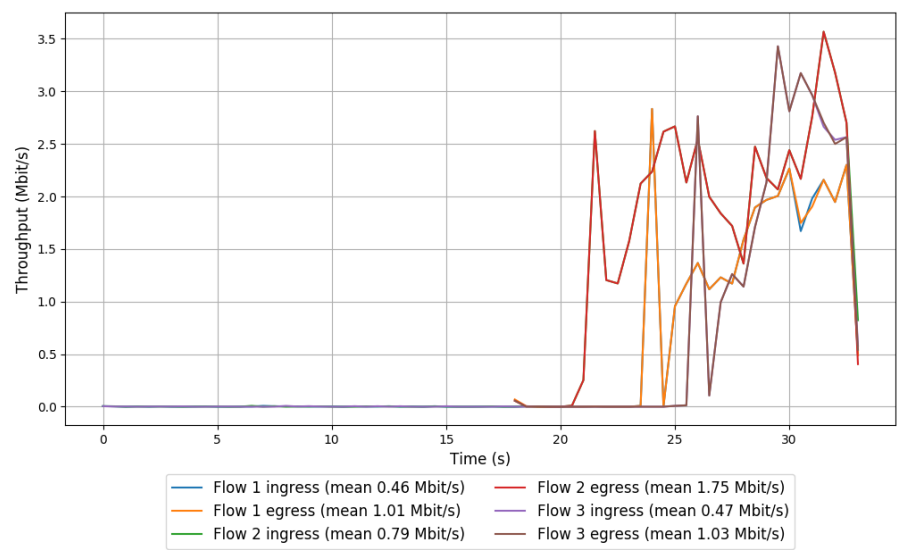
Start at: Tue, 04 Jul 2017 22:22:52 +0000

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

Local clock offset: 0.034 ms

Remote clock offset: -1.611 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

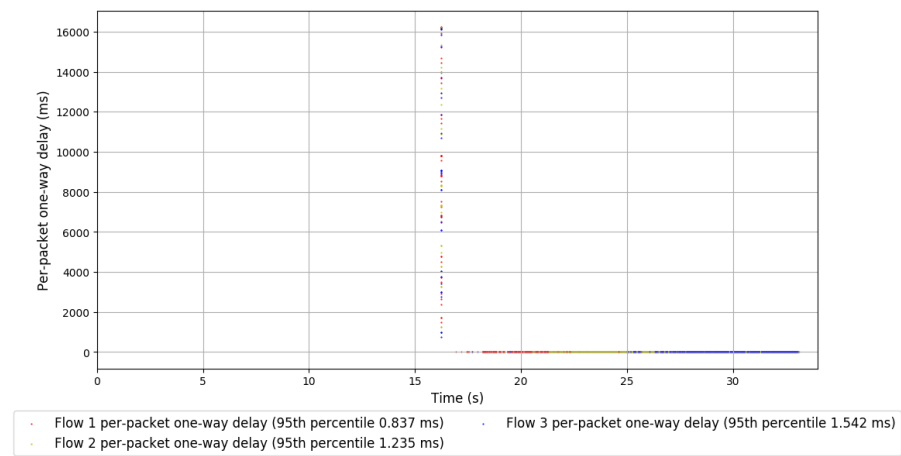
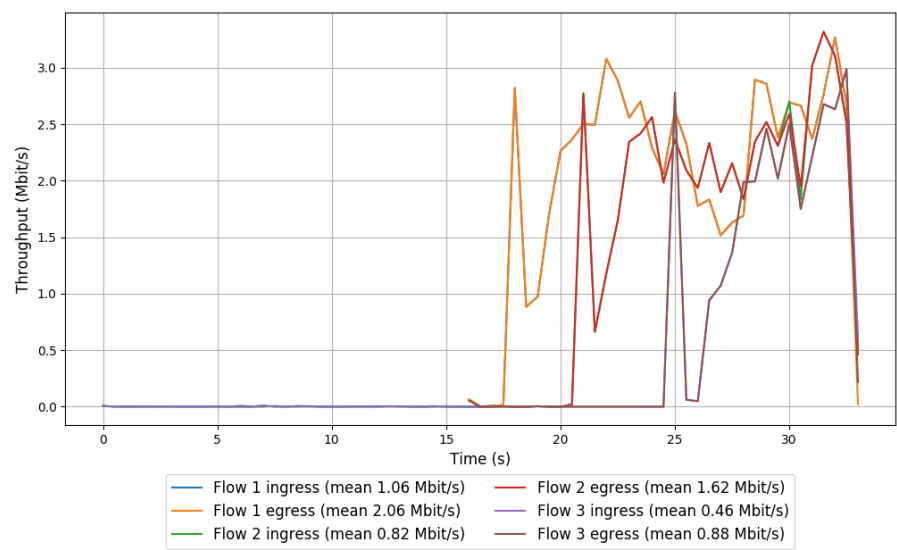
Start at: Tue, 04 Jul 2017 22:43:33 +0000

End at: Tue, 04 Jul 2017 22:44:03 +0000

Local clock offset: 0.066 ms

Remote clock offset: -1.181 ms

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

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

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

Local clock offset: -0.155 ms

Remote clock offset: -0.901 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:48:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 0.765 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 0.709 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 0.806 ms

Loss rate: 0.00%

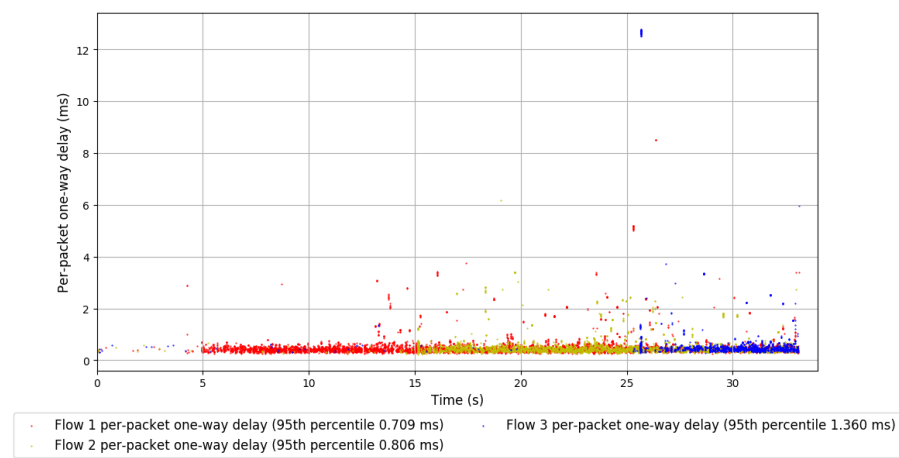
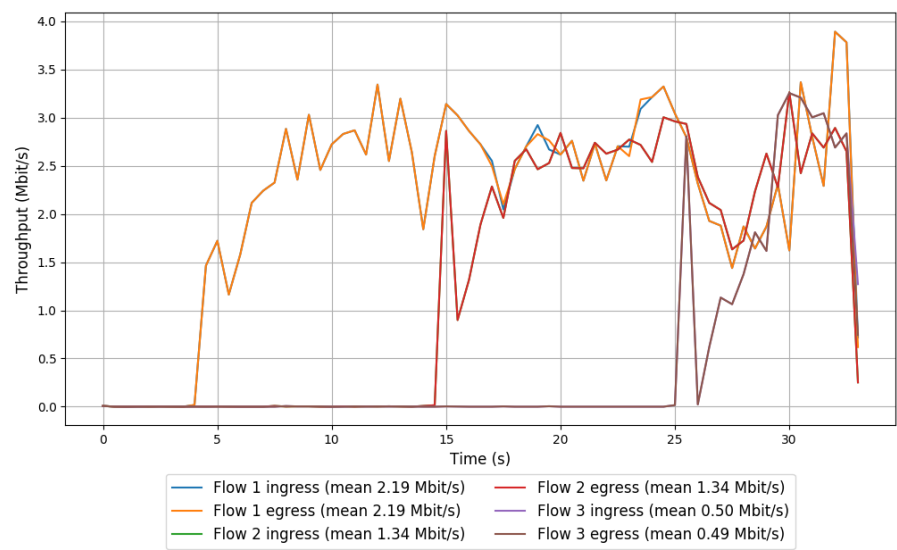
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 1.360 ms

Loss rate: 1.60%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:25:00 +0000

End at: Tue, 04 Jul 2017 23:25:30 +0000

Local clock offset: -0.339 ms

Remote clock offset: -0.976 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:48:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.69 Mbit/s

95th percentile per-packet one-way delay: 0.708 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 0.602 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.04 Mbit/s

95th percentile per-packet one-way delay: 0.671 ms

Loss rate: 0.00%

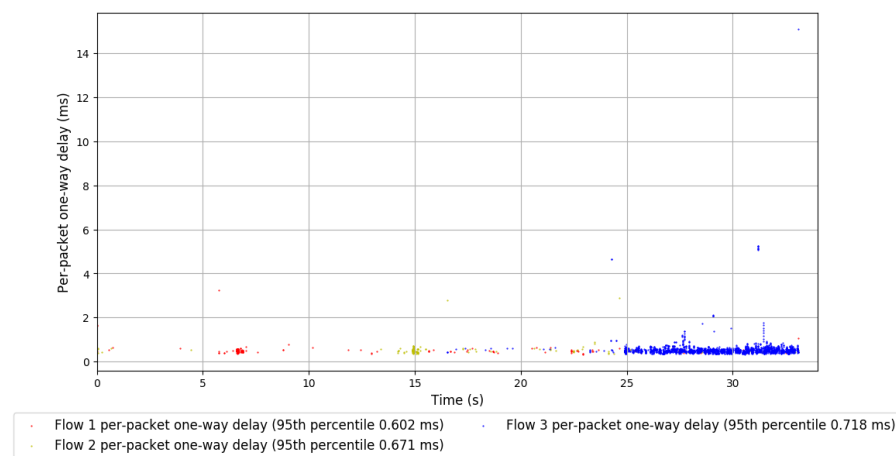
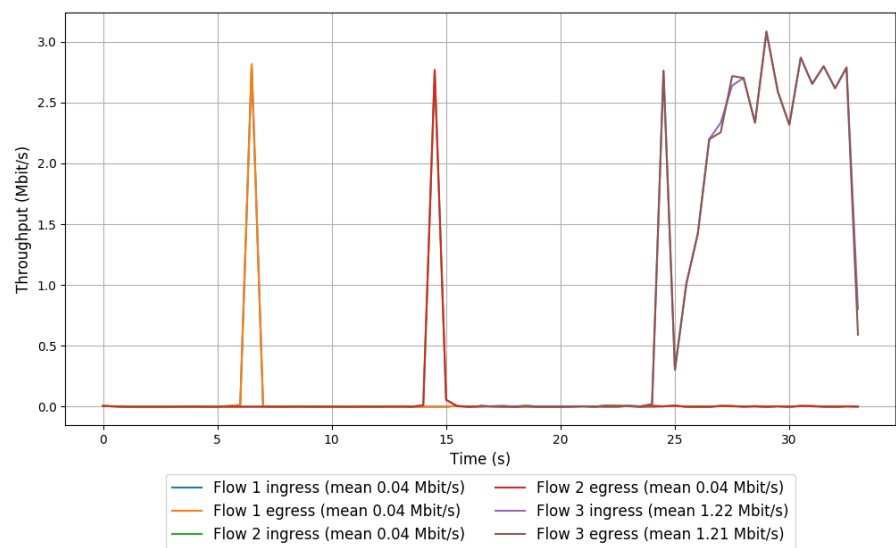
-- Flow 3:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 0.718 ms

Loss rate: 0.52%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:45:39 +0000

End at: Tue, 04 Jul 2017 23:46:09 +0000

Local clock offset: -0.208 ms

Remote clock offset: -1.038 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:48:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 0.934 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 0.869 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 1.019 ms

Loss rate: 0.02%

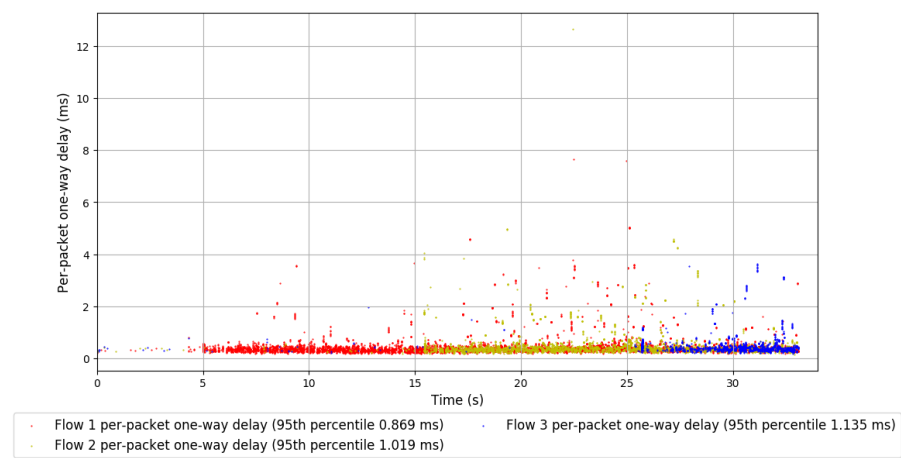
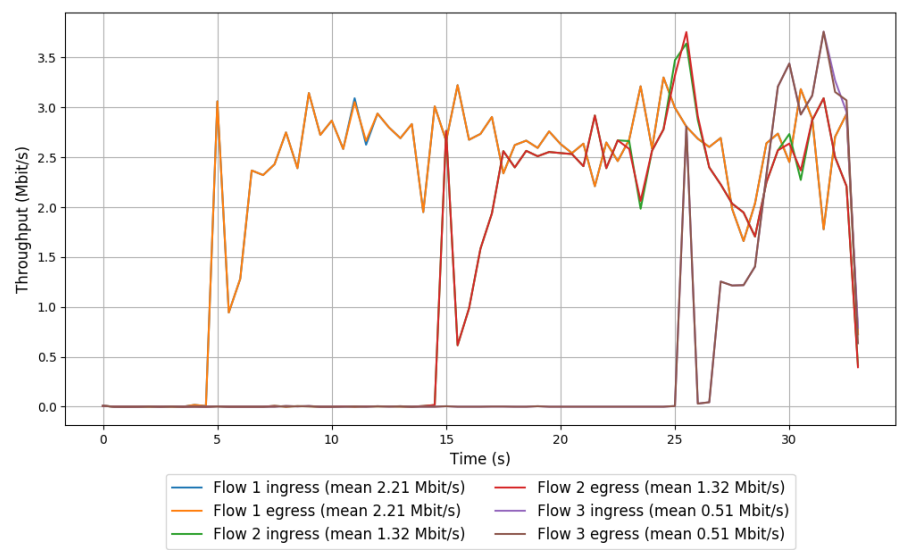
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 1.135 ms

Loss rate: 0.46%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 00:06:32 +0000

End at: Wed, 05 Jul 2017 00:07:02 +0000

Local clock offset: -0.032 ms

Remote clock offset: -1.228 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:48:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 0.709 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 1.047 ms

Loss rate: 0.00%

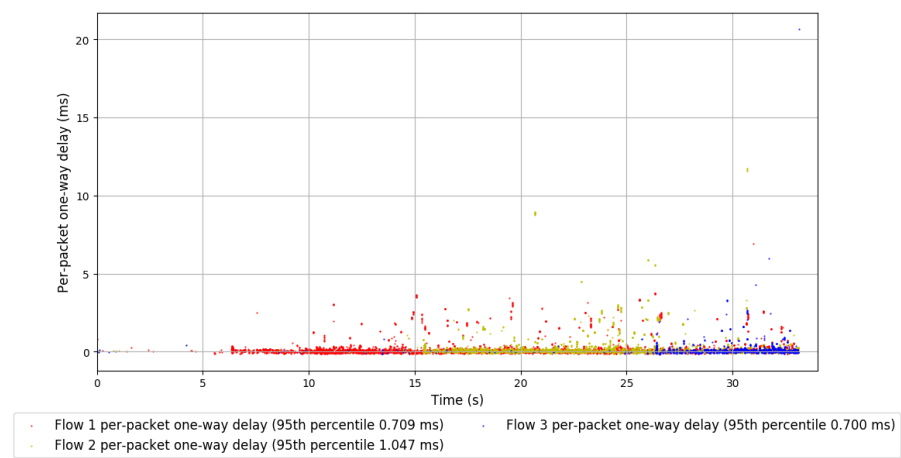
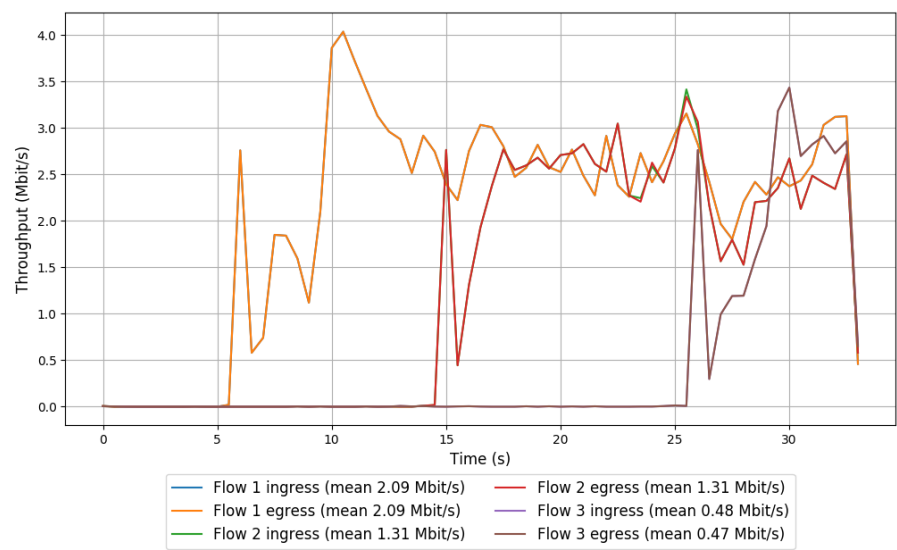
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 0.700 ms

Loss rate: 0.06%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

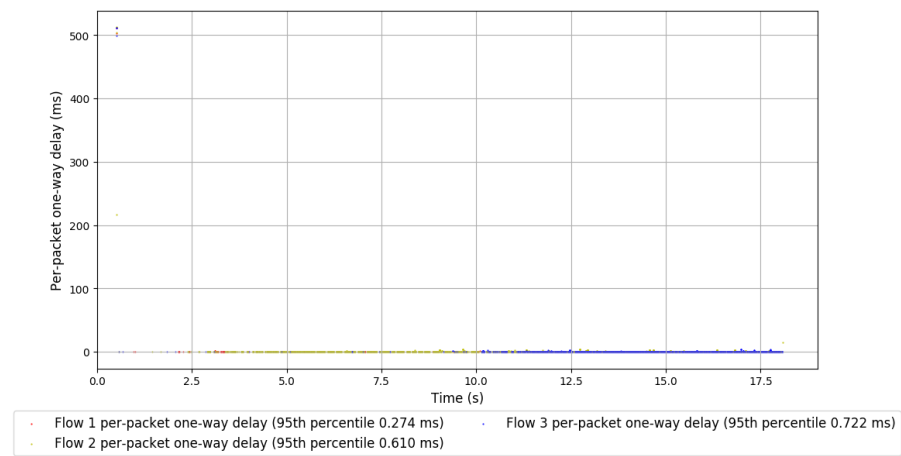
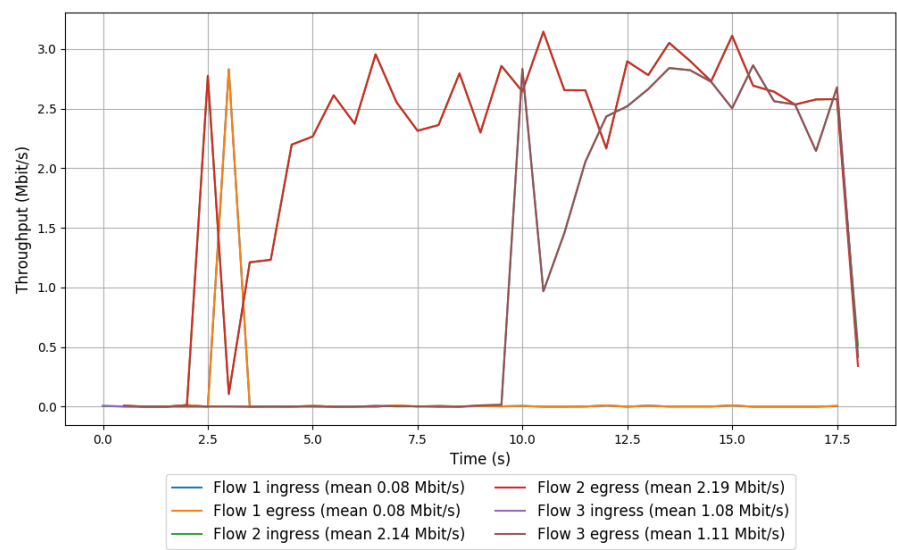
Start at: Wed, 05 Jul 2017 00:27:17 +0000

End at: Wed, 05 Jul 2017 00:27:47 +0000

Local clock offset: 0.183 ms

Remote clock offset: -1.017 ms

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

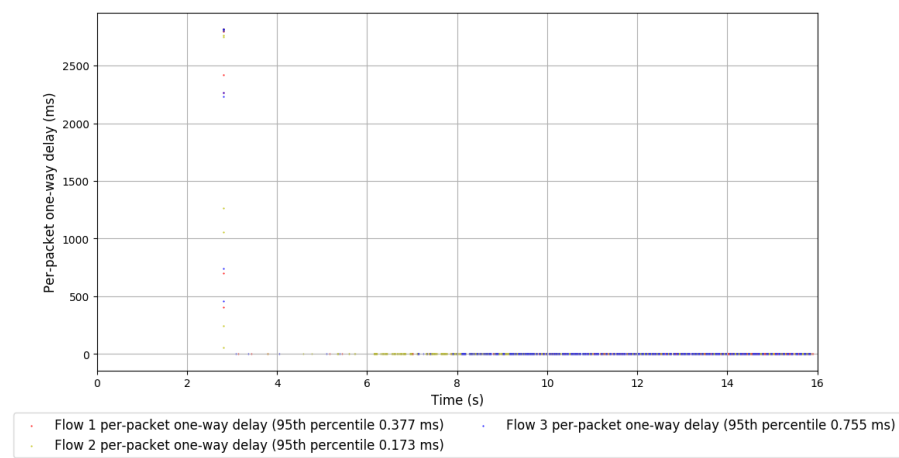
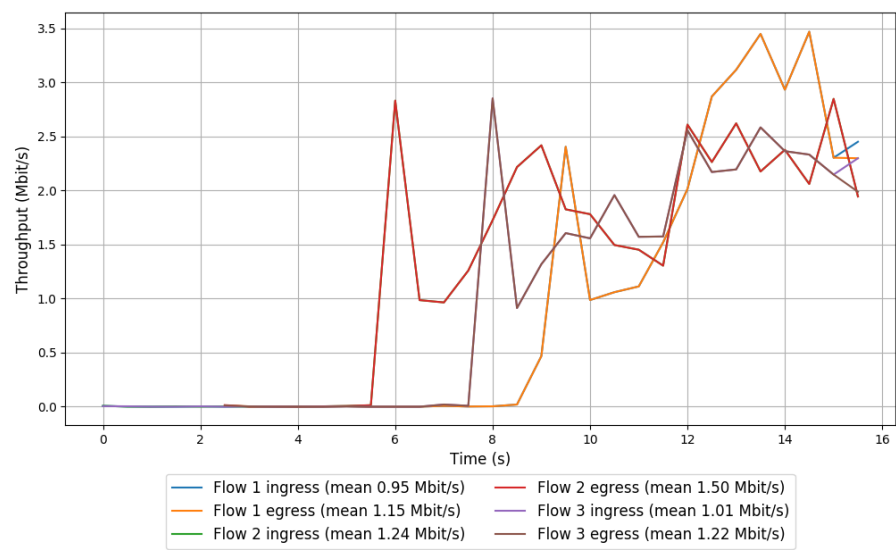
Start at: Wed, 05 Jul 2017 00:47:48 +0000

End at: Wed, 05 Jul 2017 00:48:18 +0000

Local clock offset: 0.481 ms

Remote clock offset: -1.291 ms

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 01:08:23 +0000

End at: Wed, 05 Jul 2017 01:08:53 +0000

Local clock offset: 0.643 ms

Remote clock offset: -1.434 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:48:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.22 Mbit/s

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

Loss rate: 0.01%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: -0.781 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: -0.571 ms

Loss rate: 0.00%

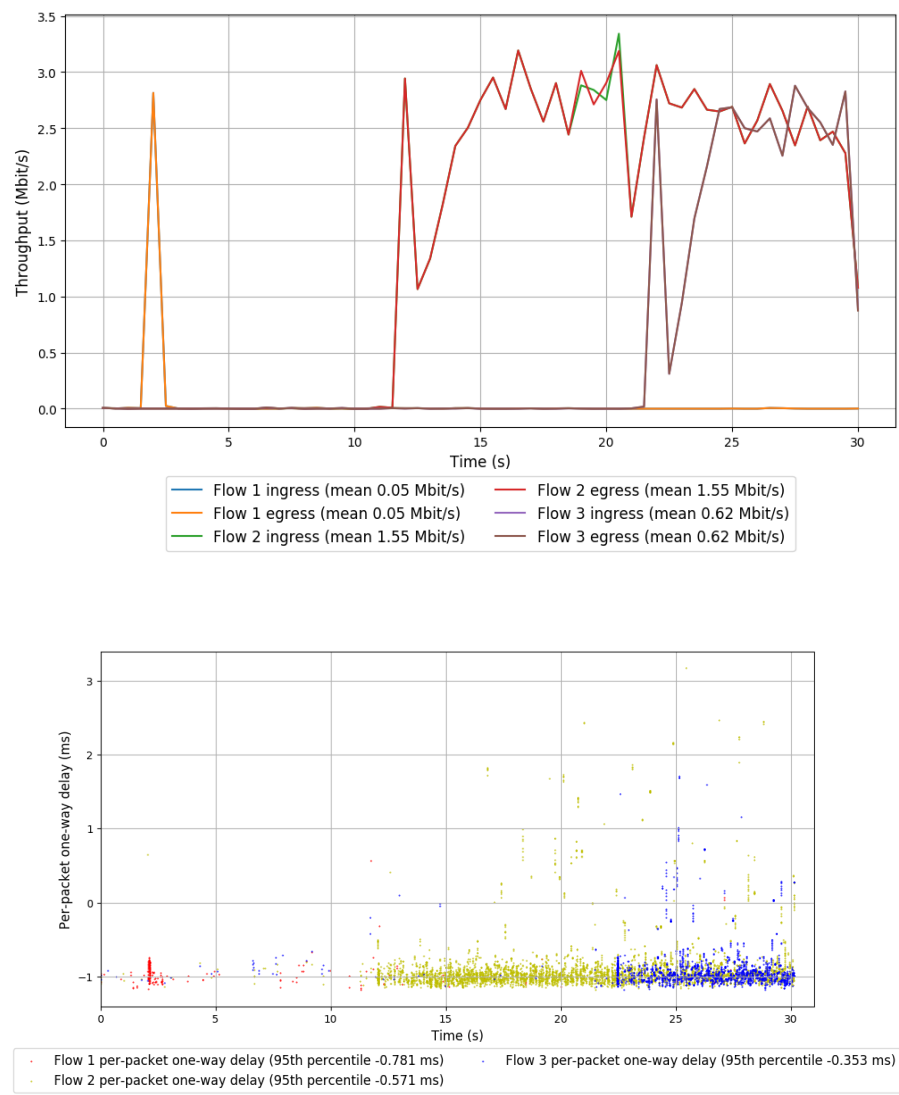
-- Flow 3:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: -0.353 ms

Loss rate: 0.05%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 01:29:11 +0000

End at: Wed, 05 Jul 2017 01:29:41 +0000

Local clock offset: 0.378 ms

Remote clock offset: -1.156 ms

Below is generated by plot.py at Wed, 05 Jul 2017 05:48:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.07 Mbit/s

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

Loss rate: 0.08%

-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 0.067 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: -0.130 ms

Loss rate: 0.20%

-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 0.185 ms

Loss rate: 0.11%

Run 10: Report of WebRTC media — Data Link

