

Pantheon Summary (Generated at Sat, 01 Jul 2017 17:05:32 +0000 with pantheon version 55ce618ef3153403f57ca06ffe894ed6887bd36f)

Repeated the test of 15 congestion control schemes 10 times.

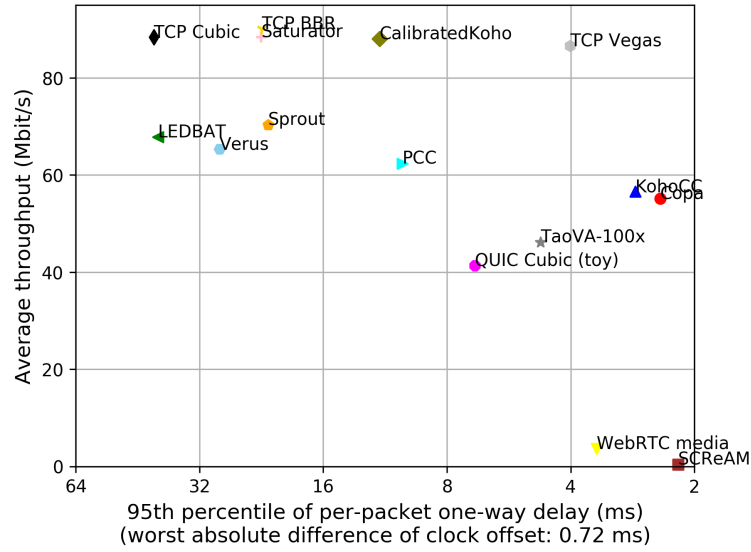
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

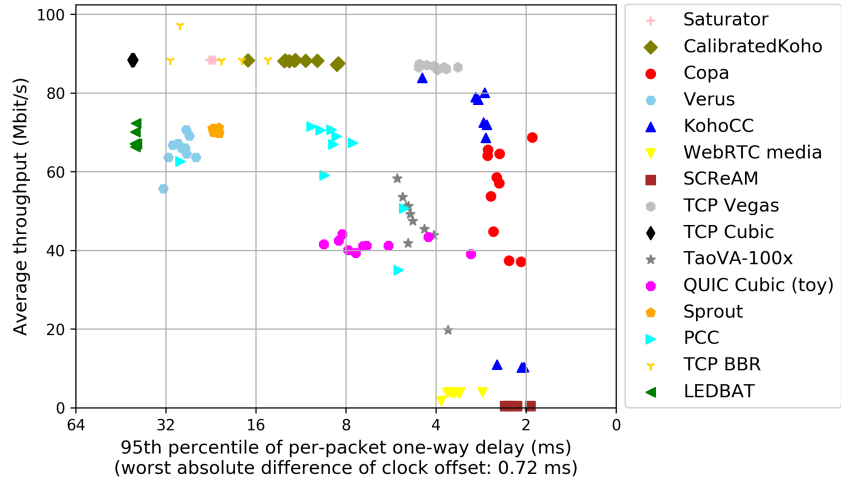
NTP offset measured against gps.ntp.br.

```
git branch: master @ 55ce618ef3153403f57ca06ffe894ed6887bd36f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ c792f8e8e0704b1646a0e024766675d8e9a835f1
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

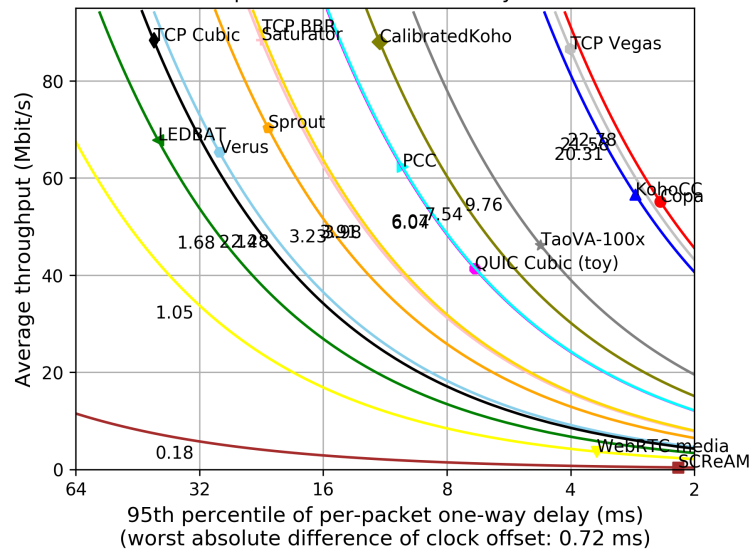
test from AWS Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme
mean of all runs by scheme



test from AWS Brazil 1 Ethernet to Brazil Ethernet, 10 runs of 30s each per scheme



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



Run 1: Statistics of TCP BBR

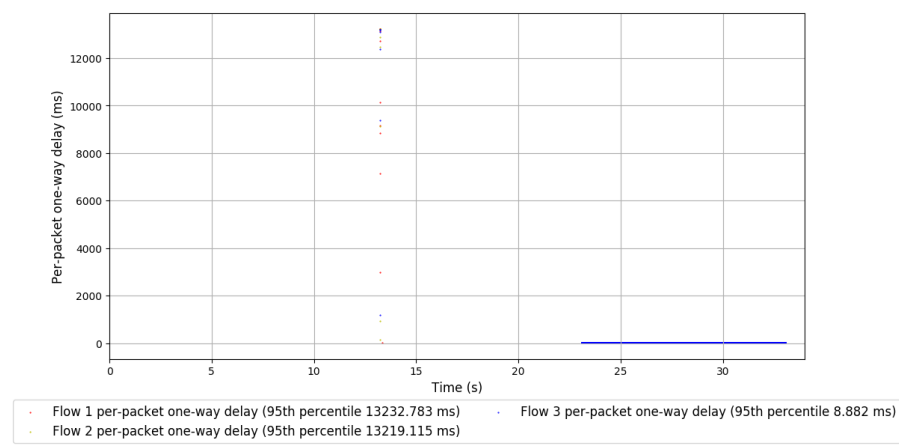
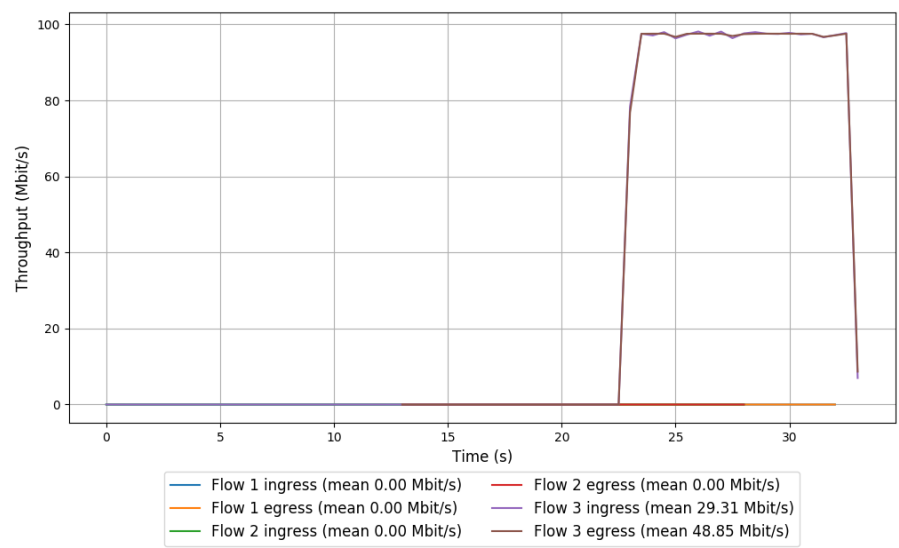
Start at: Sat, 01 Jul 2017 09:20:21 +0000

End at: Sat, 01 Jul 2017 09:20:51 +0000

Local clock offset: -0.289 ms

Remote clock offset: -0.133 ms

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

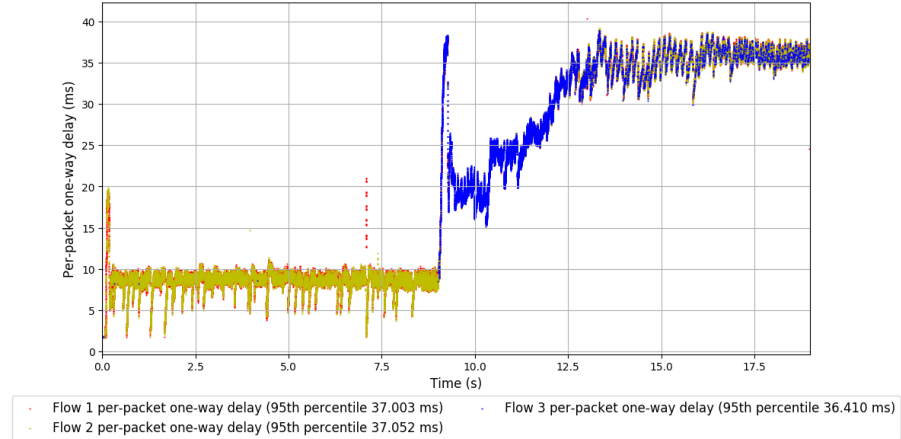
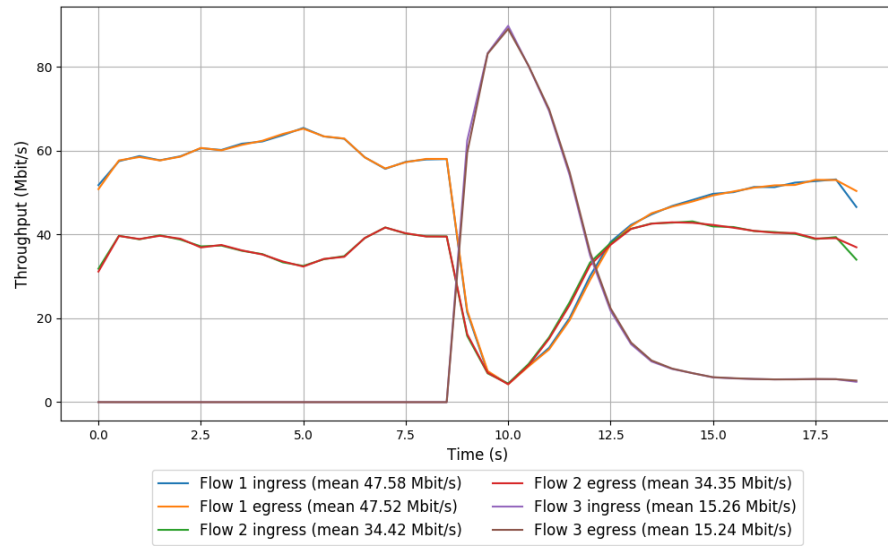
Start at: Sat, 01 Jul 2017 09:37:13 +0000

End at: Sat, 01 Jul 2017 09:37:43 +0000

Local clock offset: -0.311 ms

Remote clock offset: 0.035 ms

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 09:54:12 +0000

End at: Sat, 01 Jul 2017 09:54:42 +0000

Local clock offset: -0.062 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:21:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 20.896 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 68.51 Mbit/s

95th percentile per-packet one-way delay: 20.699 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.06 Mbit/s

95th percentile per-packet one-way delay: 20.881 ms

Loss rate: 0.00%

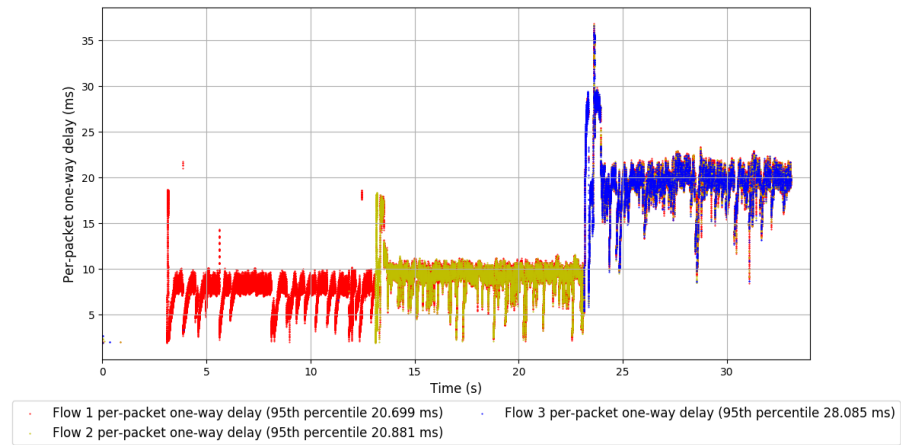
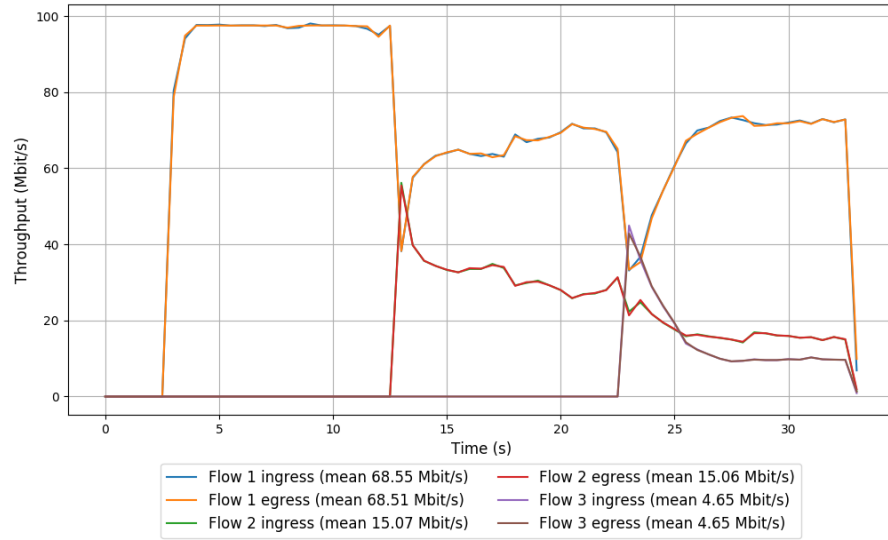
-- Flow 3:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 28.085 ms

Loss rate: 0.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 10:11:18 +0000

End at: Sat, 01 Jul 2017 10:11:48 +0000

Local clock offset: 0.005 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:21:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.31 Mbit/s

95th percentile per-packet one-way delay: 17.855 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.43 Mbit/s

95th percentile per-packet one-way delay: 16.646 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.82 Mbit/s

95th percentile per-packet one-way delay: 18.179 ms

Loss rate: 0.01%

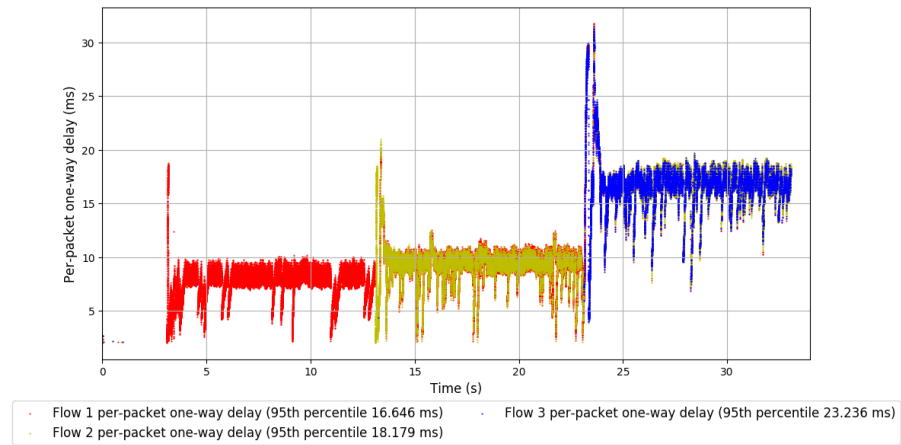
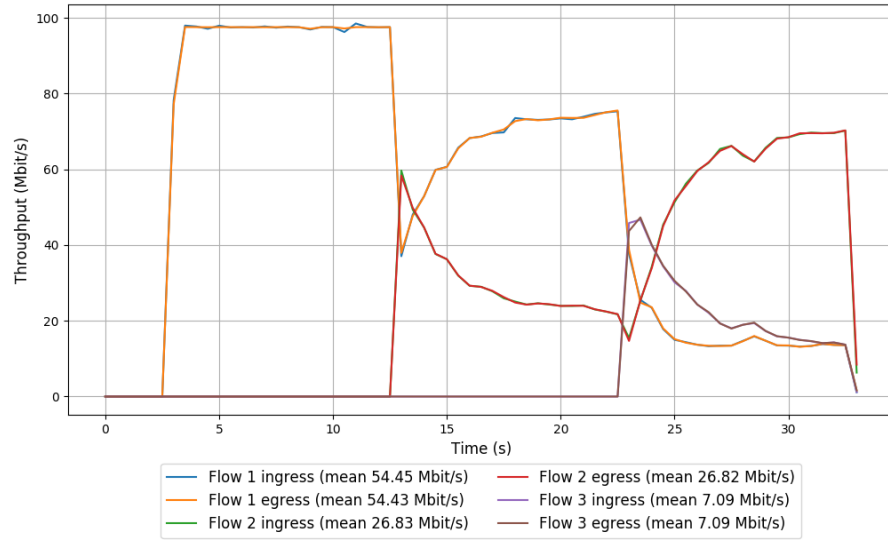
-- Flow 3:

Average throughput: 7.09 Mbit/s

95th percentile per-packet one-way delay: 23.236 ms

Loss rate: 0.00%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

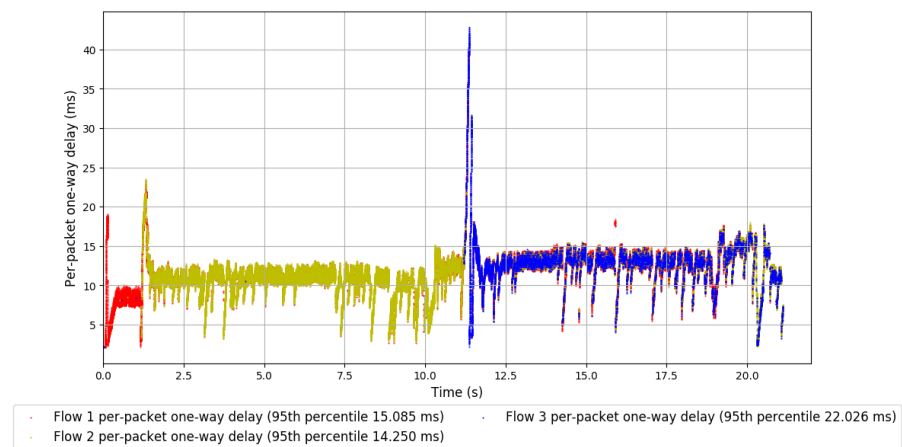
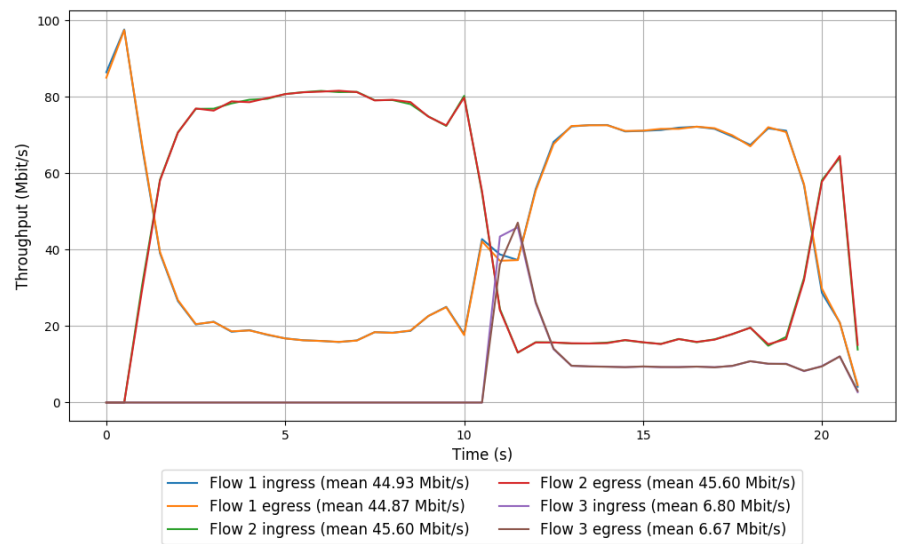
Start at: Sat, 01 Jul 2017 10:28:23 +0000

End at: Sat, 01 Jul 2017 10:28:53 +0000

Local clock offset: 0.085 ms

Remote clock offset: -0.11 ms

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 10:45:29 +0000

End at: Sat, 01 Jul 2017 10:45:59 +0000

Local clock offset: 0.119 ms

Remote clock offset: 0.005 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:22:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.36 Mbit/s

95th percentile per-packet one-way delay: 14.599 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.30 Mbit/s

95th percentile per-packet one-way delay: 14.596 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.58 Mbit/s

95th percentile per-packet one-way delay: 14.319 ms

Loss rate: 0.00%

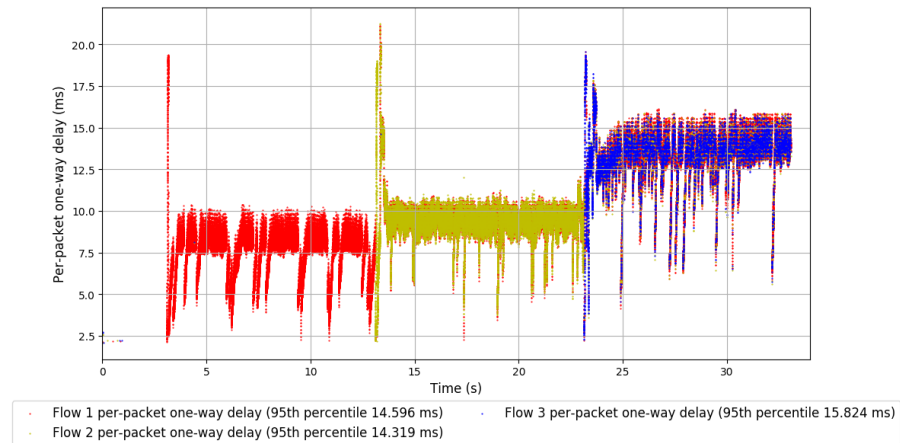
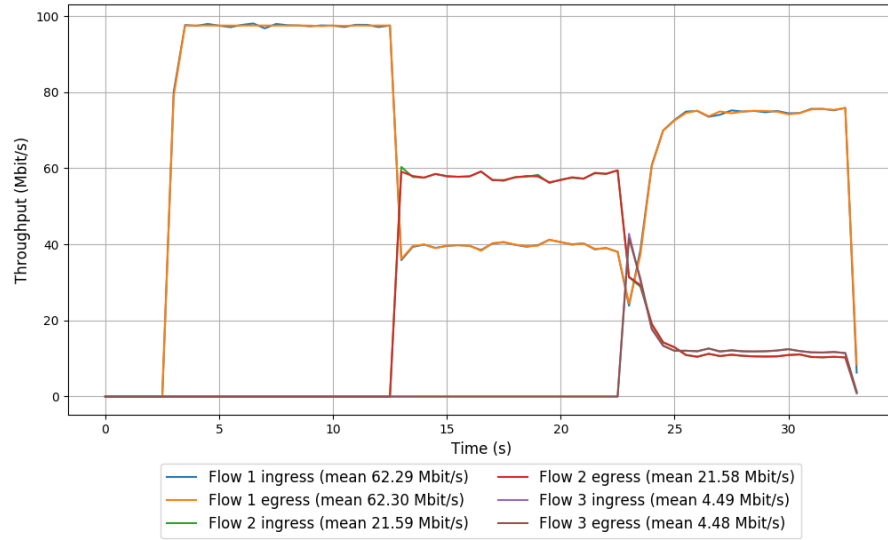
-- Flow 3:

Average throughput: 4.48 Mbit/s

95th percentile per-packet one-way delay: 15.824 ms

Loss rate: 0.00%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

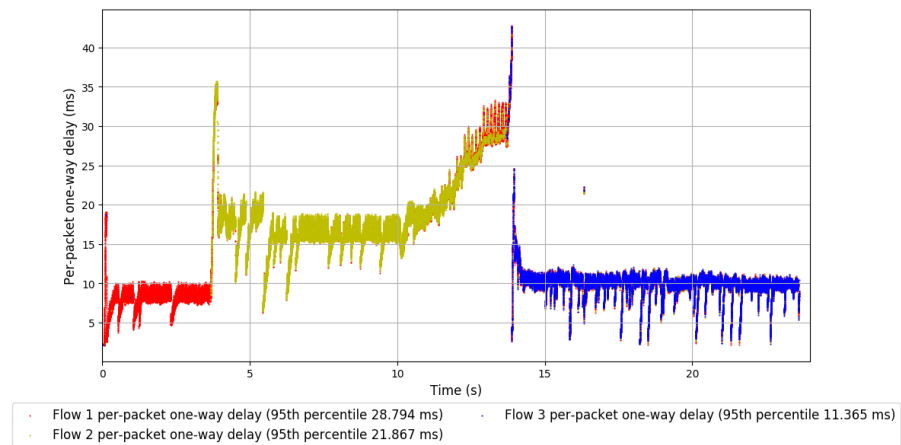
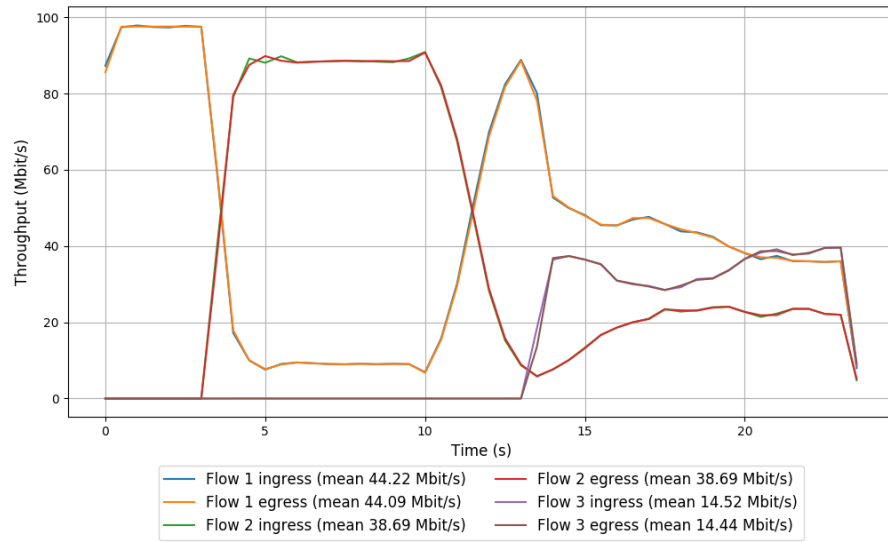
Start at: Sat, 01 Jul 2017 11:02:37 +0000

End at: Sat, 01 Jul 2017 11:03:07 +0000

Local clock offset: 0.152 ms

Remote clock offset: -0.006 ms

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

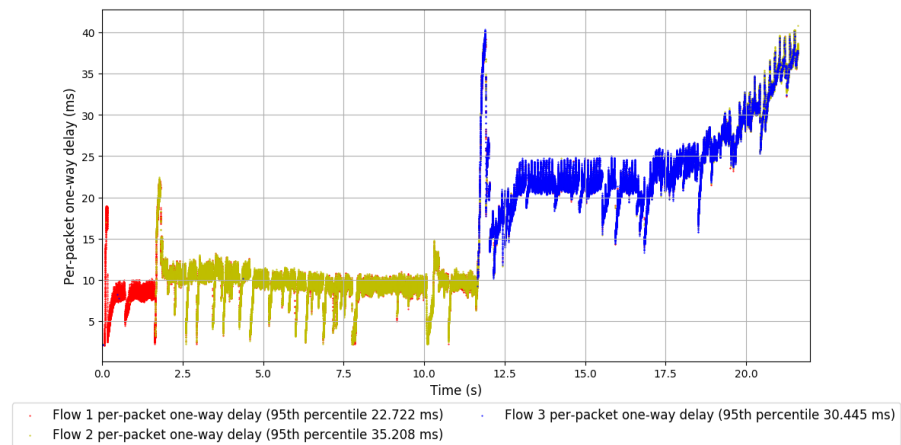
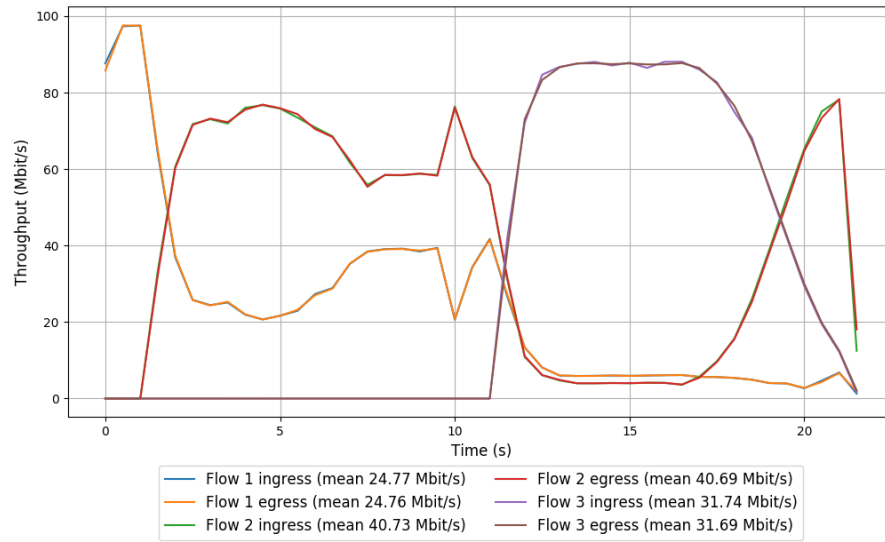
Start at: Sat, 01 Jul 2017 11:19:43 +0000

End at: Sat, 01 Jul 2017 11:20:13 +0000

Local clock offset: 0.08 ms

Remote clock offset: -0.005 ms

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 11:36:51 +0000

End at: Sat, 01 Jul 2017 11:37:21 +0000

Local clock offset: 0.042 ms

Remote clock offset: 0.01 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:23:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.29 Mbit/s

95th percentile per-packet one-way delay: 30.991 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.73 Mbit/s

95th percentile per-packet one-way delay: 29.634 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.30 Mbit/s

95th percentile per-packet one-way delay: 32.727 ms

Loss rate: 0.00%

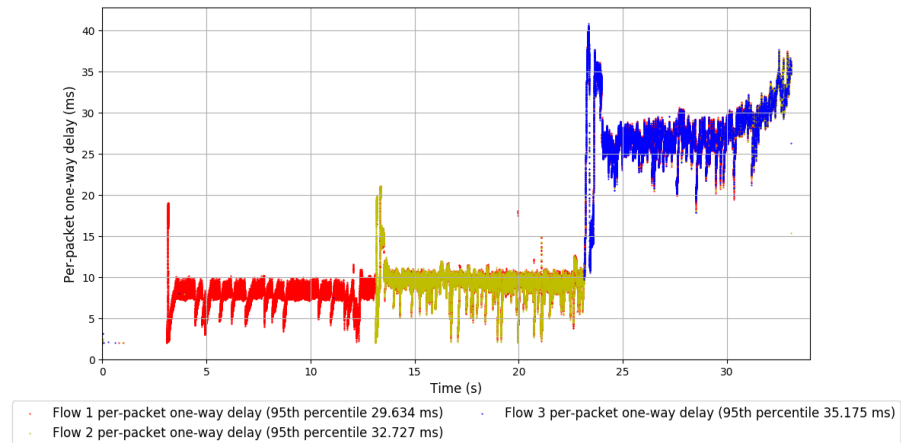
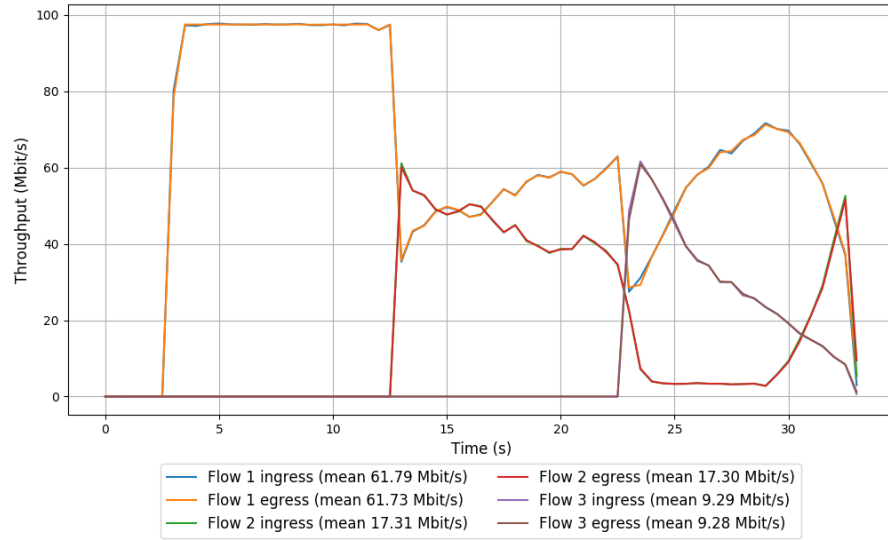
-- Flow 3:

Average throughput: 9.28 Mbit/s

95th percentile per-packet one-way delay: 35.175 ms

Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 11:54:01 +0000

End at: Sat, 01 Jul 2017 11:54:31 +0000

Local clock offset: -0.525 ms

Remote clock offset: 0.036 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:23:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.16 Mbit/s

95th percentile per-packet one-way delay: 28.726 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 38.63 Mbit/s

95th percentile per-packet one-way delay: 19.533 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 55.25 Mbit/s

95th percentile per-packet one-way delay: 29.313 ms

Loss rate: 0.00%

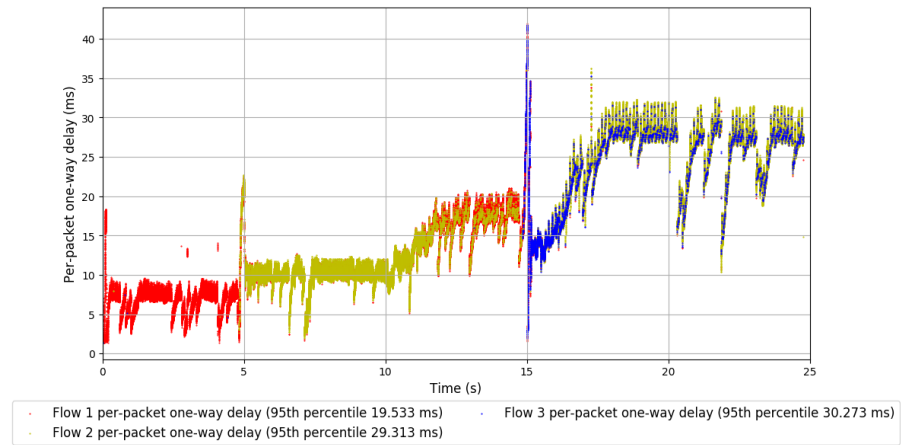
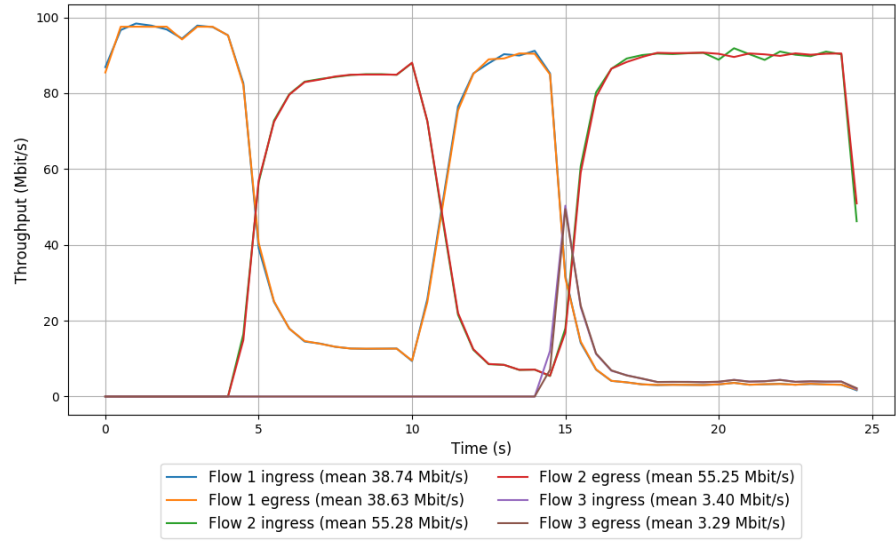
-- Flow 3:

Average throughput: 3.29 Mbit/s

95th percentile per-packet one-way delay: 30.273 ms

Loss rate: 2.94%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 09:10:11 +0000

End at: Sat, 01 Jul 2017 09:10:41 +0000

Local clock offset: 0.08 ms

Remote clock offset: -0.124 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:24:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 8.575 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 8.553 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 23.87 Mbit/s

95th percentile per-packet one-way delay: 8.605 ms

Loss rate: 0.00%

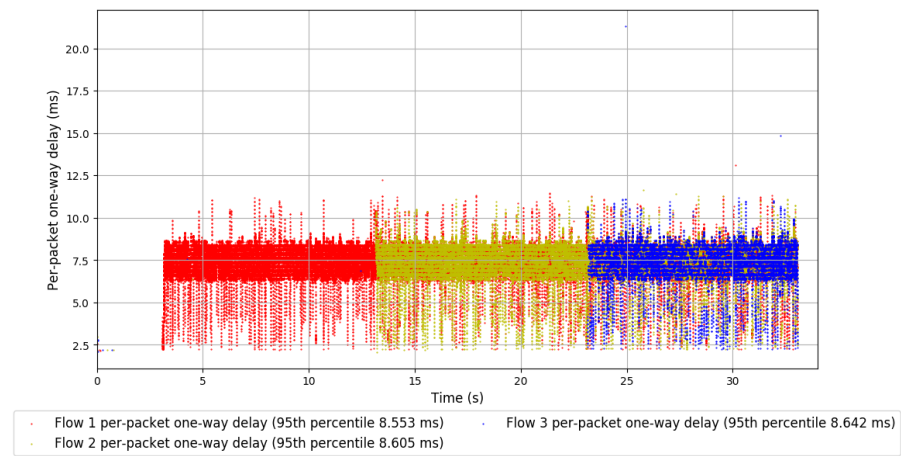
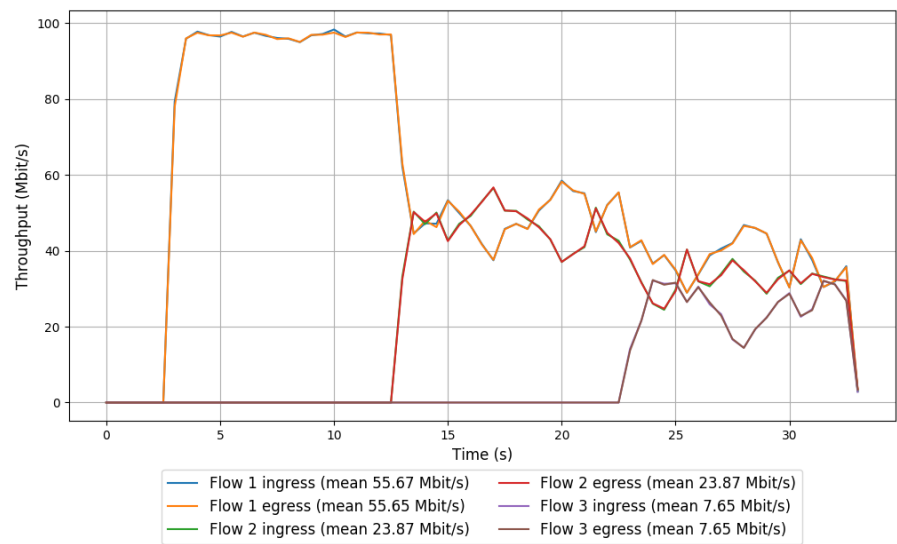
-- Flow 3:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 8.642 ms

Loss rate: 0.00%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 09:27:02 +0000

End at: Sat, 01 Jul 2017 09:27:32 +0000

Local clock offset: -0.363 ms

Remote clock offset: -0.026 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:24:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 11.892 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 30.91 Mbit/s

95th percentile per-packet one-way delay: 7.612 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 29.50 Mbit/s

95th percentile per-packet one-way delay: 11.843 ms

Loss rate: 0.00%

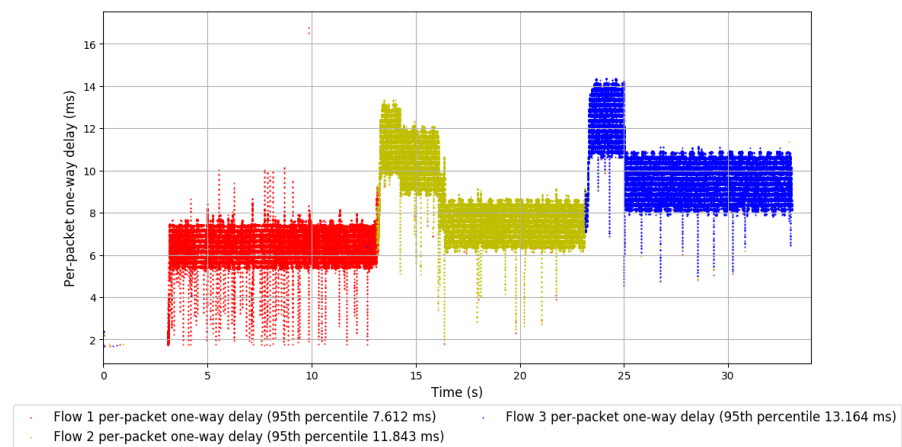
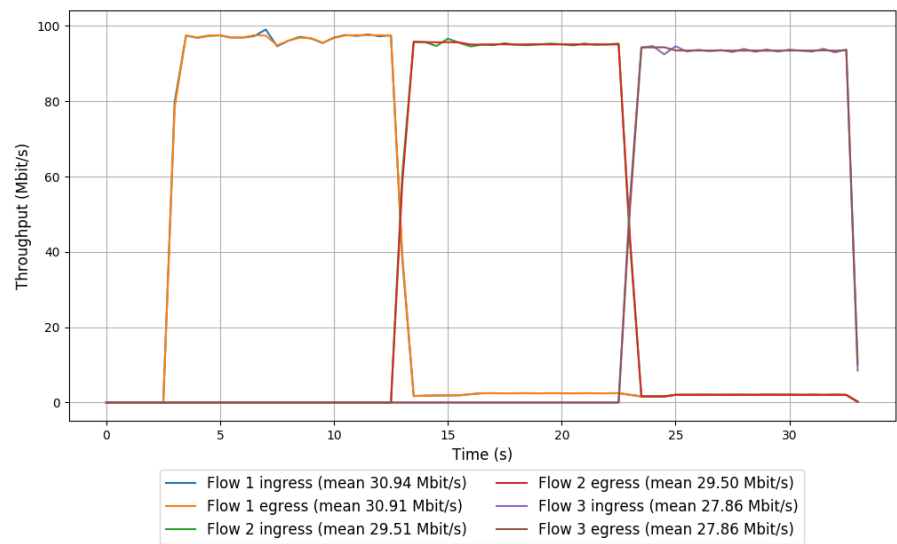
-- Flow 3:

Average throughput: 27.86 Mbit/s

95th percentile per-packet one-way delay: 13.164 ms

Loss rate: 0.00%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 09:43:58 +0000

End at: Sat, 01 Jul 2017 09:44:28 +0000

Local clock offset: -0.168 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:25:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.25 Mbit/s

95th percentile per-packet one-way delay: 9.977 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.18 Mbit/s

95th percentile per-packet one-way delay: 7.415 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.59 Mbit/s

95th percentile per-packet one-way delay: 11.937 ms

Loss rate: 0.00%

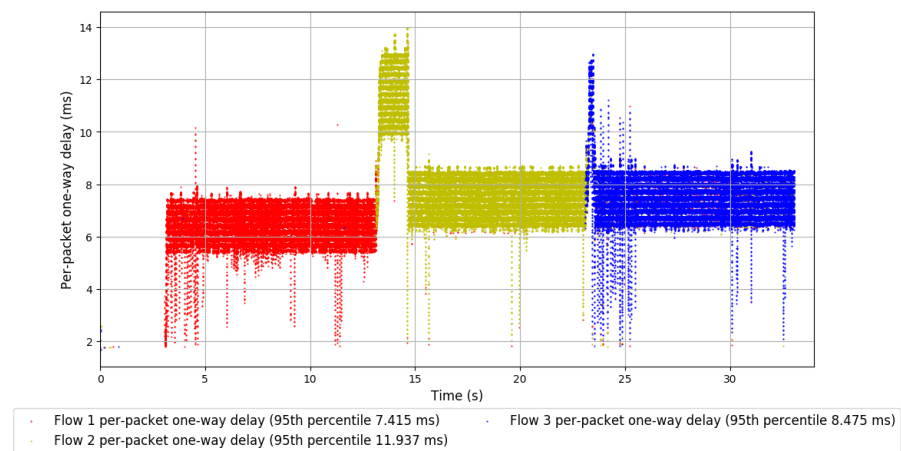
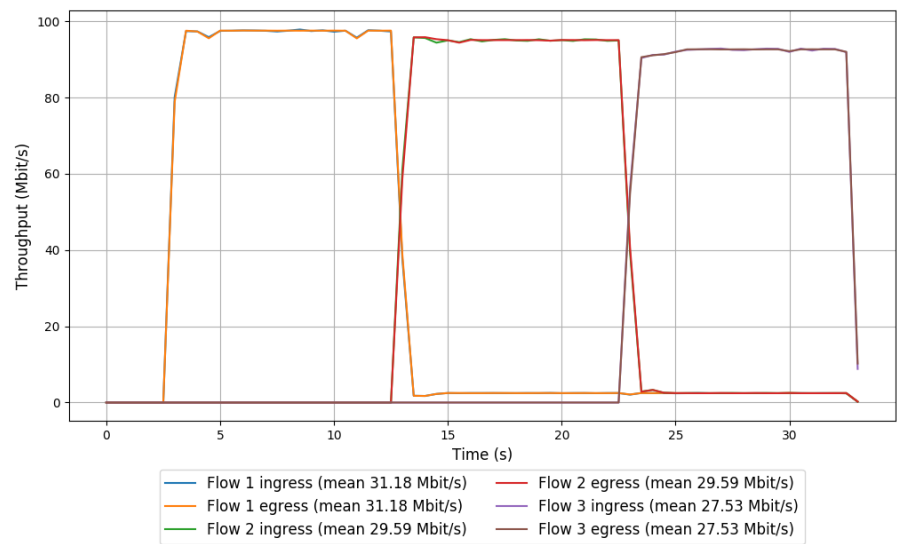
-- Flow 3:

Average throughput: 27.53 Mbit/s

95th percentile per-packet one-way delay: 8.475 ms

Loss rate: 0.00%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 10:01:05 +0000

End at: Sat, 01 Jul 2017 10:01:35 +0000

Local clock offset: 0.004 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:25:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.54 Mbit/s

95th percentile per-packet one-way delay: 8.495 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.02 Mbit/s

95th percentile per-packet one-way delay: 8.491 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.97 Mbit/s

95th percentile per-packet one-way delay: 8.481 ms

Loss rate: 0.00%

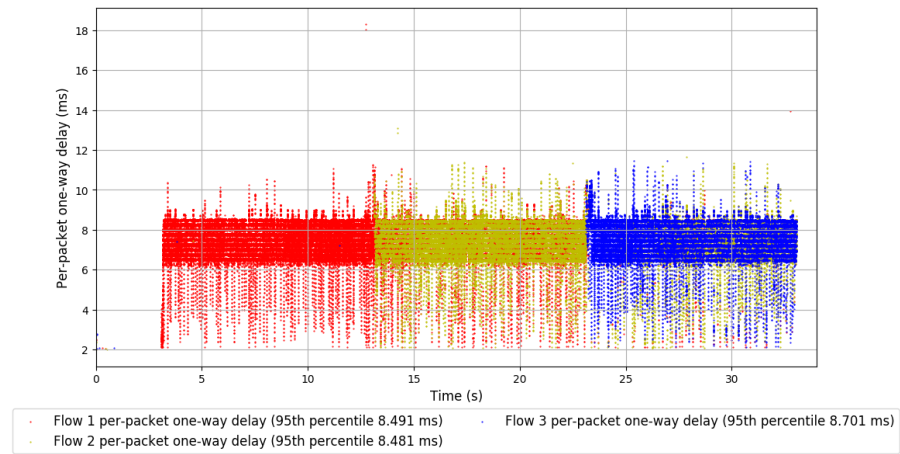
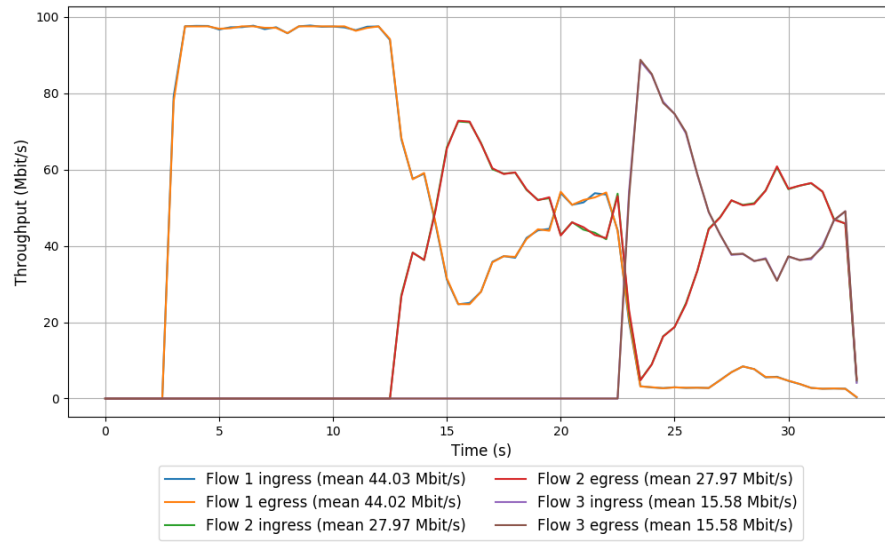
-- Flow 3:

Average throughput: 15.58 Mbit/s

95th percentile per-packet one-way delay: 8.701 ms

Loss rate: 0.00%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 10:18:10 +0000

End at: Sat, 01 Jul 2017 10:18:40 +0000

Local clock offset: 0.093 ms

Remote clock offset: 0.014 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:25:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.27 Mbit/s

95th percentile per-packet one-way delay: 17.026 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 30.70 Mbit/s

95th percentile per-packet one-way delay: 8.500 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.00 Mbit/s

95th percentile per-packet one-way delay: 14.019 ms

Loss rate: 0.00%

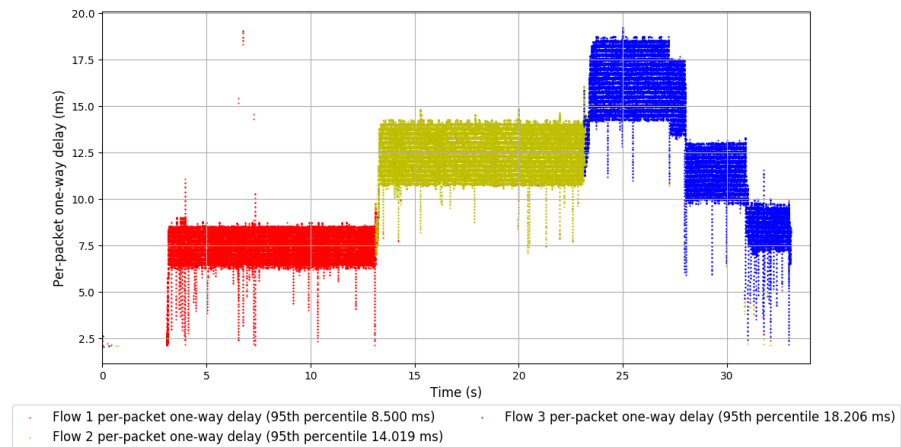
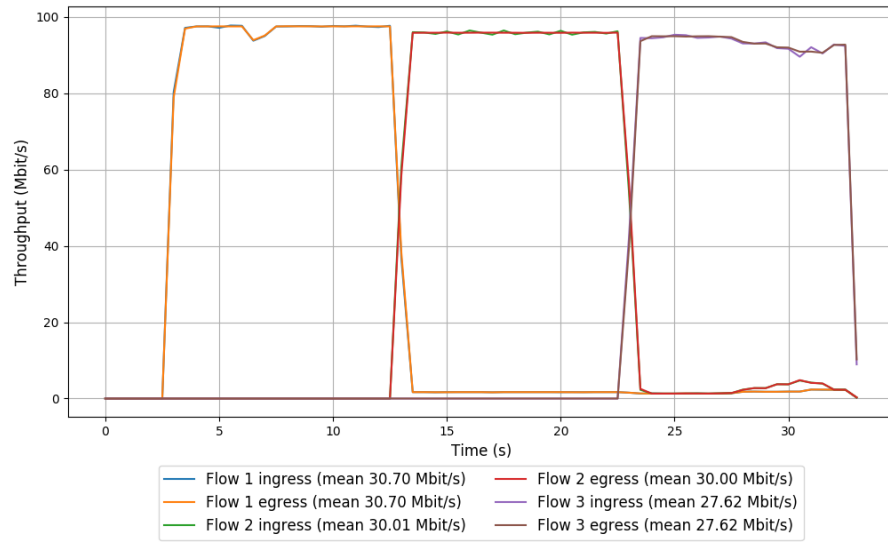
-- Flow 3:

Average throughput: 27.62 Mbit/s

95th percentile per-packet one-way delay: 18.206 ms

Loss rate: 0.00%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 10:35:14 +0000

End at: Sat, 01 Jul 2017 10:35:44 +0000

Local clock offset: 0.125 ms

Remote clock offset: -0.053 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.23 Mbit/s

95th percentile per-packet one-way delay: 10.908 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.23 Mbit/s

95th percentile per-packet one-way delay: 8.575 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.28 Mbit/s

95th percentile per-packet one-way delay: 10.600 ms

Loss rate: 0.00%

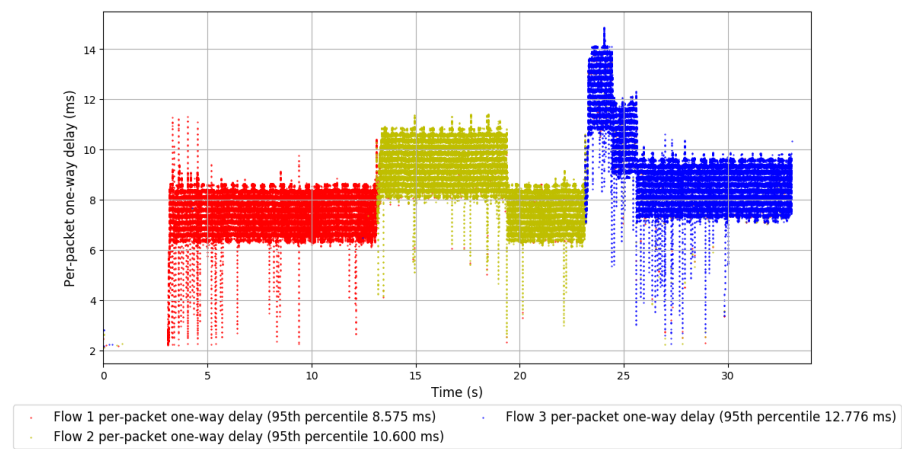
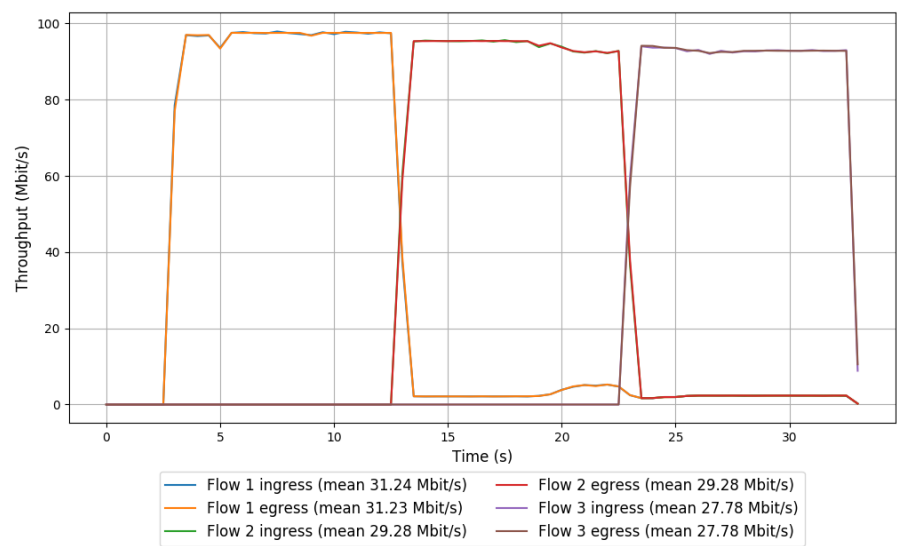
-- Flow 3:

Average throughput: 27.78 Mbit/s

95th percentile per-packet one-way delay: 12.776 ms

Loss rate: 0.01%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 10:52:22 +0000

End at: Sat, 01 Jul 2017 10:52:52 +0000

Local clock offset: 0.172 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.14 Mbit/s

95th percentile per-packet one-way delay: 12.373 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 35.84 Mbit/s

95th percentile per-packet one-way delay: 8.526 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 27.96 Mbit/s

95th percentile per-packet one-way delay: 13.599 ms

Loss rate: 0.01%

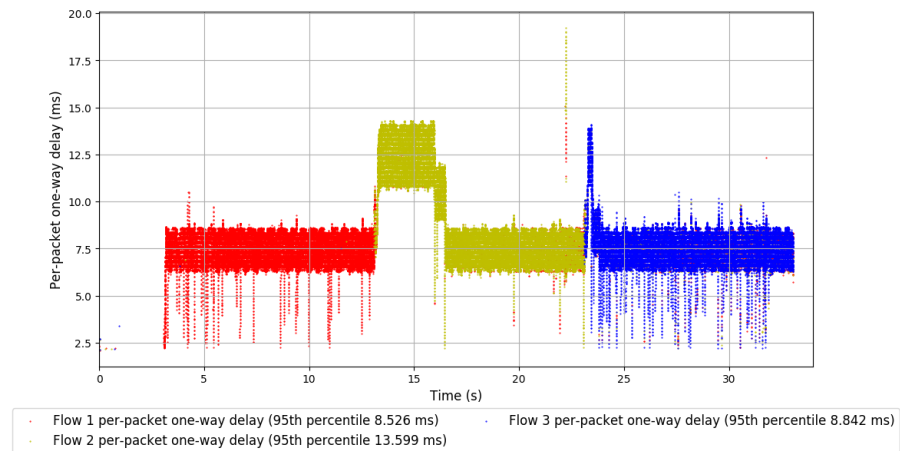
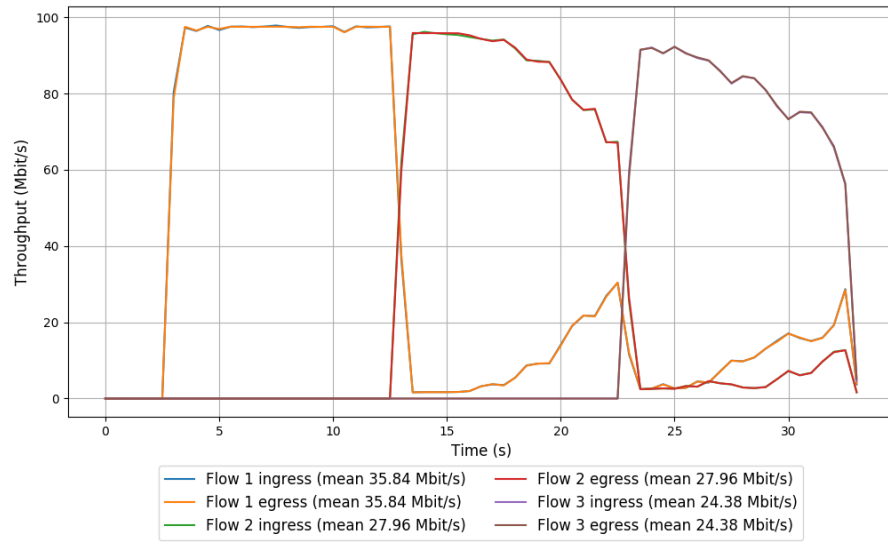
-- Flow 3:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 8.842 ms

Loss rate: 0.00%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:09:29 +0000

End at: Sat, 01 Jul 2017 11:09:59 +0000

Local clock offset: 0.152 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.37 Mbit/s

95th percentile per-packet one-way delay: 11.814 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 31.08 Mbit/s

95th percentile per-packet one-way delay: 8.558 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.89 Mbit/s

95th percentile per-packet one-way delay: 13.326 ms

Loss rate: 0.01%

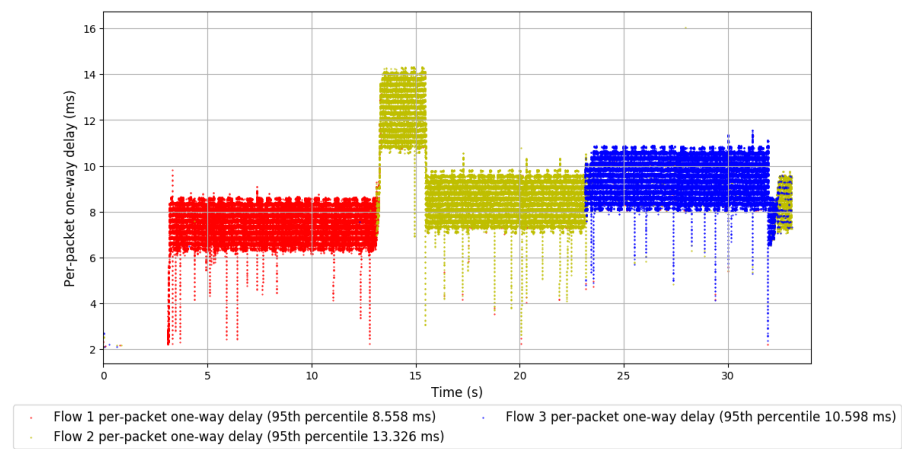
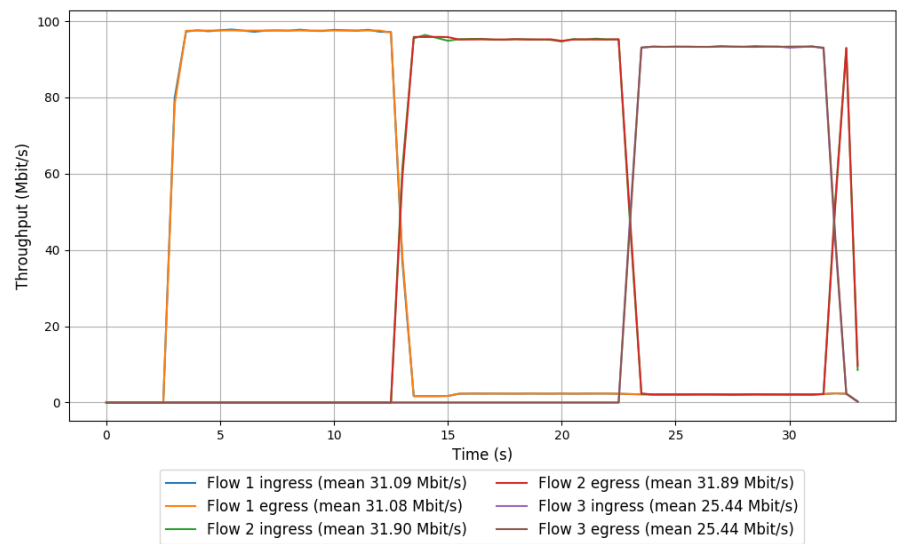
-- Flow 3:

Average throughput: 25.44 Mbit/s

95th percentile per-packet one-way delay: 10.598 ms

Loss rate: 0.00%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:26:35 +0000

End at: Sat, 01 Jul 2017 11:27:05 +0000

Local clock offset: 0.062 ms

Remote clock offset: -0.009 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:27:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.28 Mbit/s

95th percentile per-packet one-way delay: 12.783 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.84 Mbit/s

95th percentile per-packet one-way delay: 8.532 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 47.80 Mbit/s

95th percentile per-packet one-way delay: 12.844 ms

Loss rate: 0.00%

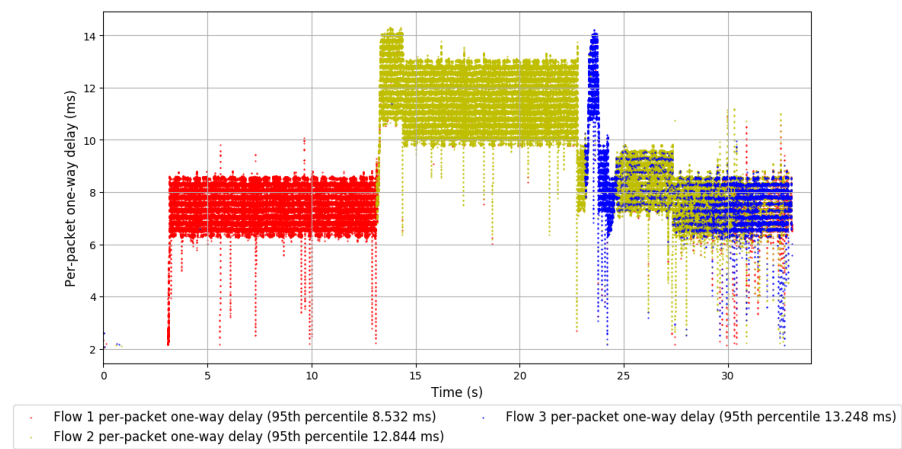
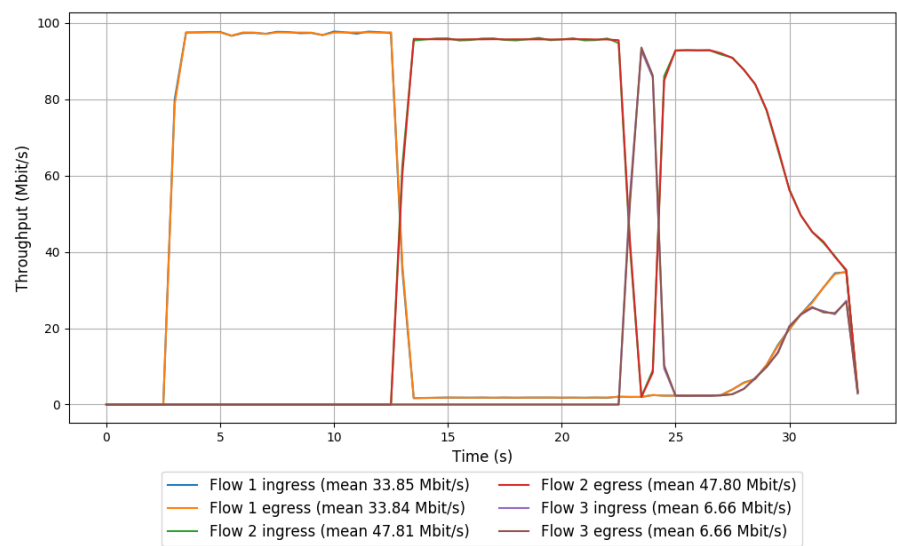
-- Flow 3:

Average throughput: 6.66 Mbit/s

95th percentile per-packet one-way delay: 13.248 ms

Loss rate: 0.00%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:43:45 +0000

End at: Sat, 01 Jul 2017 11:44:15 +0000

Local clock offset: 0.034 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:27:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.09 Mbit/s

95th percentile per-packet one-way delay: 12.866 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.10 Mbit/s

95th percentile per-packet one-way delay: 8.553 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.82 Mbit/s

95th percentile per-packet one-way delay: 13.589 ms

Loss rate: 0.00%

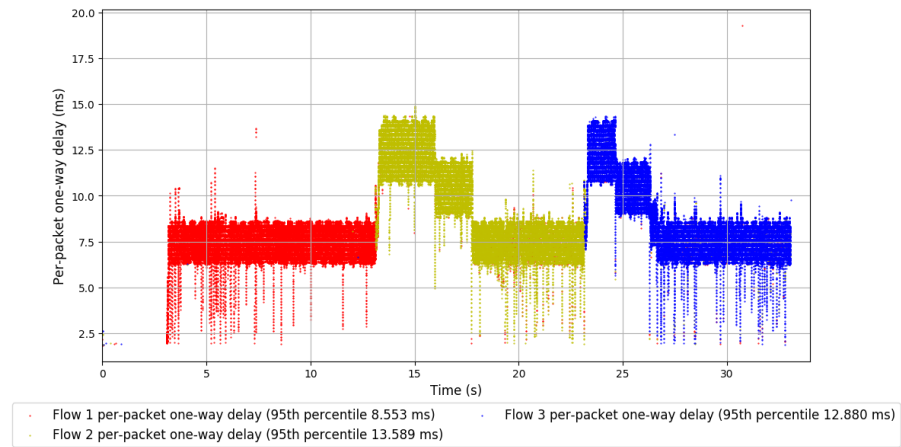
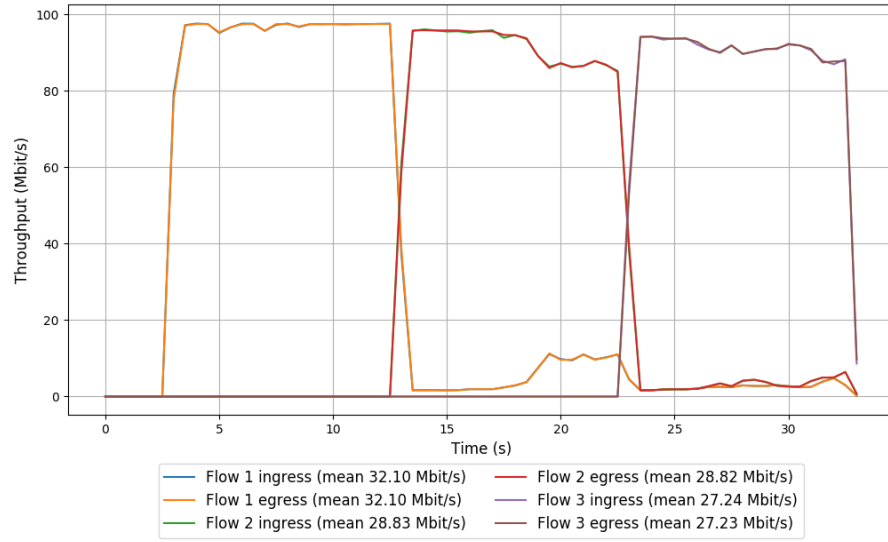
-- Flow 3:

Average throughput: 27.23 Mbit/s

95th percentile per-packet one-way delay: 12.880 ms

Loss rate: 0.01%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sat, 01 Jul 2017 09:19:13 +0000

End at: Sat, 01 Jul 2017 09:19:43 +0000

Local clock offset: -0.123 ms

Remote clock offset: -0.049 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:27:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.35 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 26.69 Mbit/s

95th percentile per-packet one-way delay: 2.242 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.42 Mbit/s

95th percentile per-packet one-way delay: 2.402 ms

Loss rate: 0.00%

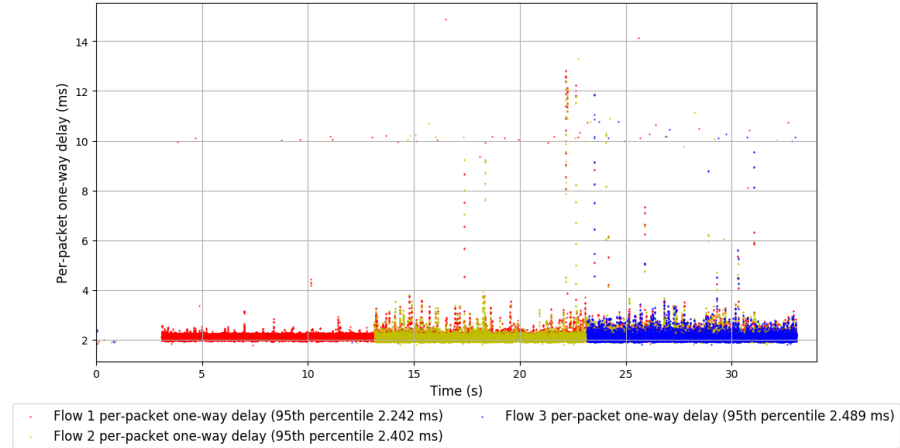
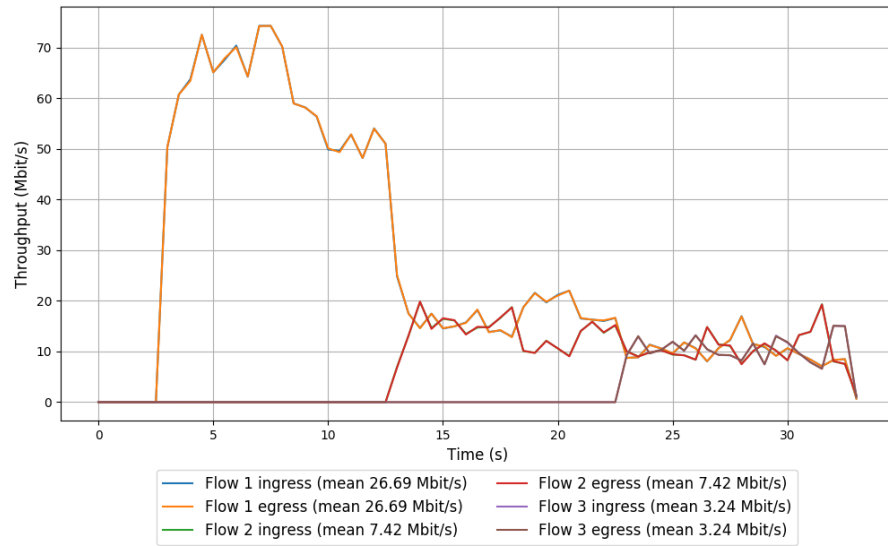
-- Flow 3:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 2.489 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sat, 01 Jul 2017 09:36:04 +0000

End at: Sat, 01 Jul 2017 09:36:34 +0000

Local clock offset: -0.337 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.13 Mbit/s

95th percentile per-packet one-way delay: 2.080 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.390 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 28.54 Mbit/s

95th percentile per-packet one-way delay: 2.050 ms

Loss rate: 0.00%

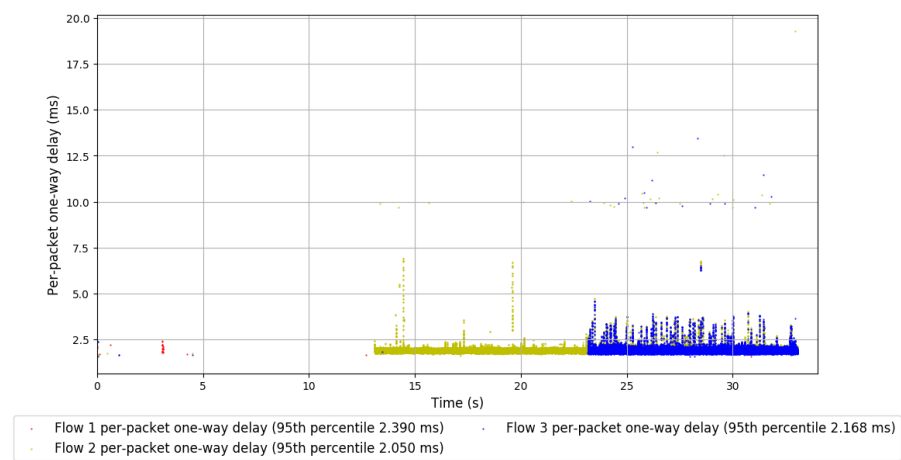
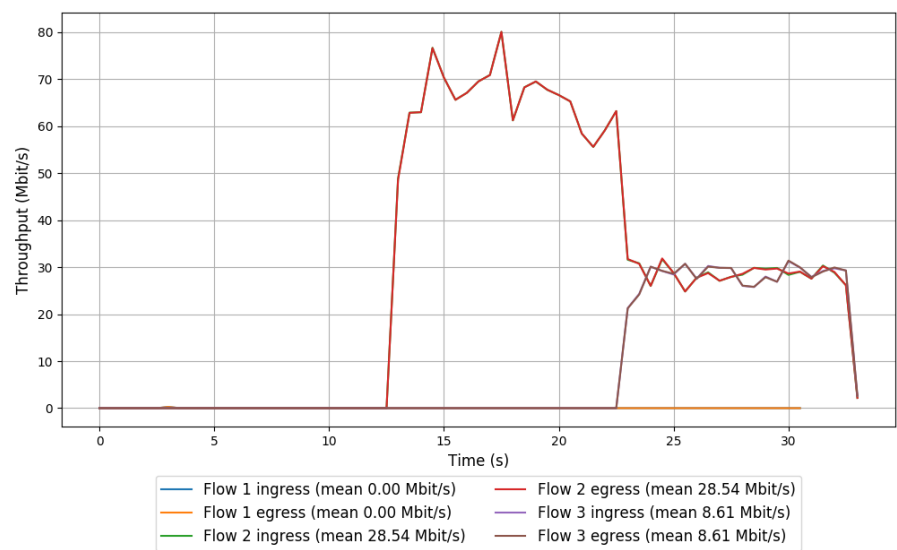
-- Flow 3:

Average throughput: 8.61 Mbit/s

95th percentile per-packet one-way delay: 2.168 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sat, 01 Jul 2017 09:53:01 +0000

End at: Sat, 01 Jul 2017 09:53:31 +0000

Local clock offset: -0.047 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.05 Mbit/s

95th percentile per-packet one-way delay: 2.459 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.60 Mbit/s

95th percentile per-packet one-way delay: 2.372 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.09 Mbit/s

95th percentile per-packet one-way delay: 2.543 ms

Loss rate: 0.00%

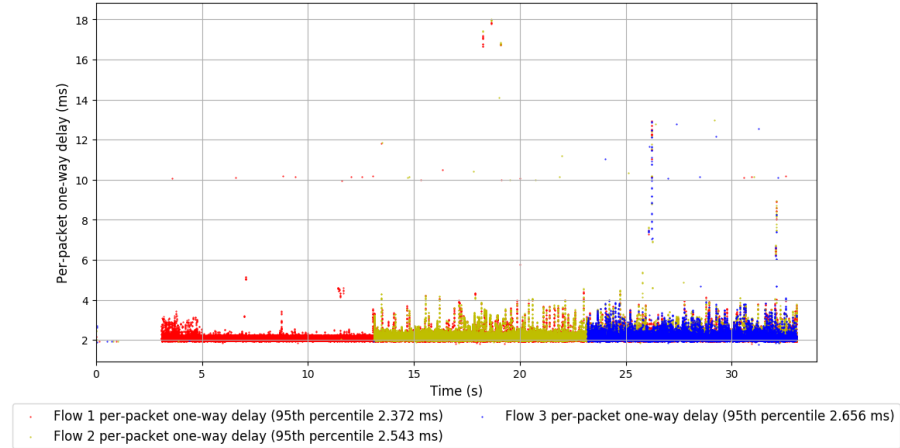
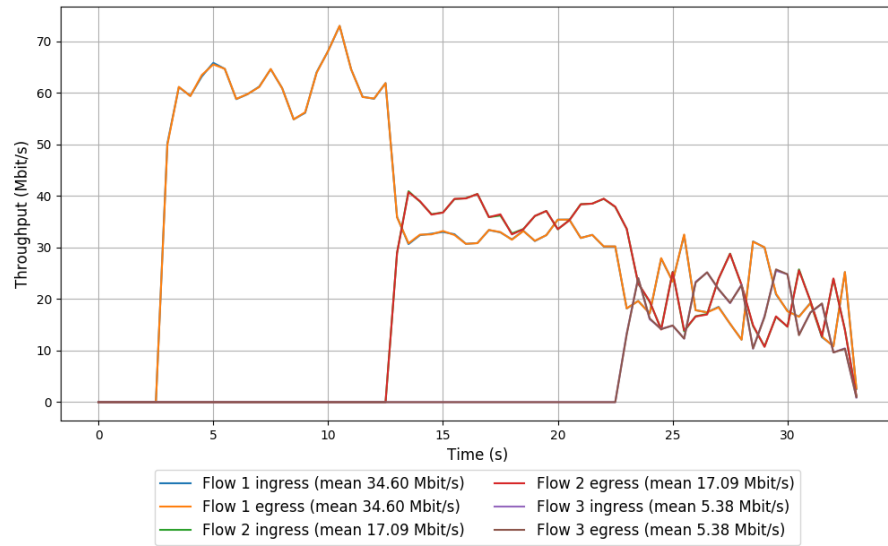
-- Flow 3:

Average throughput: 5.38 Mbit/s

95th percentile per-packet one-way delay: 2.656 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sat, 01 Jul 2017 10:10:08 +0000

End at: Sat, 01 Jul 2017 10:10:38 +0000

Local clock offset: 0.029 ms

Remote clock offset: 0.001 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:29:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.72 Mbit/s

95th percentile per-packet one-way delay: 2.621 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.16 Mbit/s

95th percentile per-packet one-way delay: 2.539 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.23 Mbit/s

95th percentile per-packet one-way delay: 2.700 ms

Loss rate: 0.00%

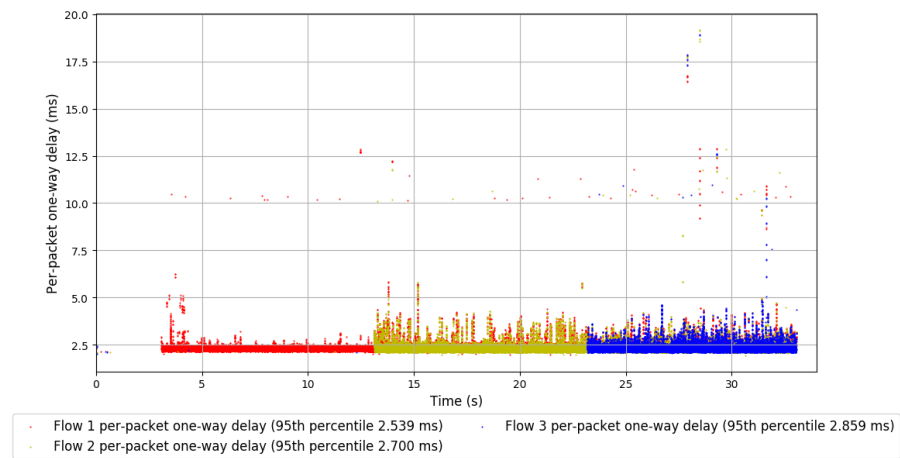
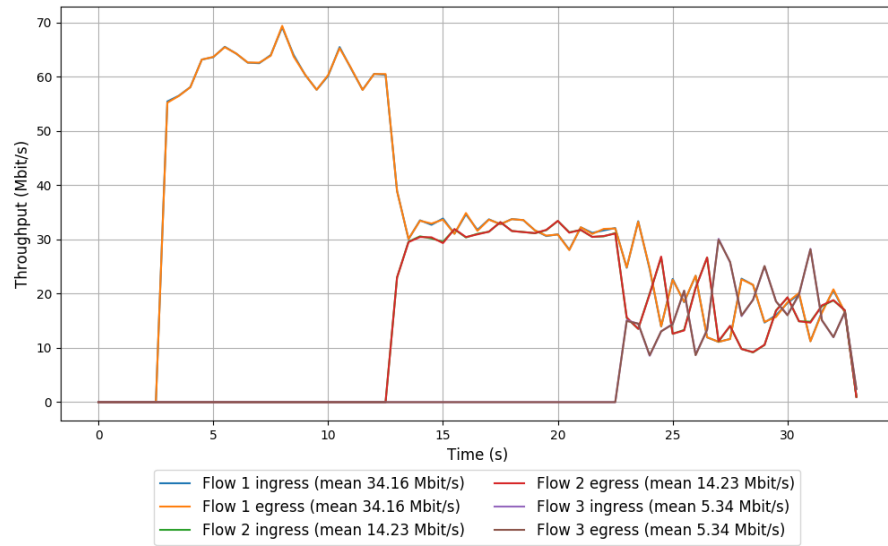
-- Flow 3:

Average throughput: 5.34 Mbit/s

95th percentile per-packet one-way delay: 2.859 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sat, 01 Jul 2017 10:27:14 +0000

End at: Sat, 01 Jul 2017 10:27:44 +0000

Local clock offset: 0.089 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:29:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.77 Mbit/s

95th percentile per-packet one-way delay: 2.572 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.838 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.85 Mbit/s

95th percentile per-packet one-way delay: 2.551 ms

Loss rate: 0.00%

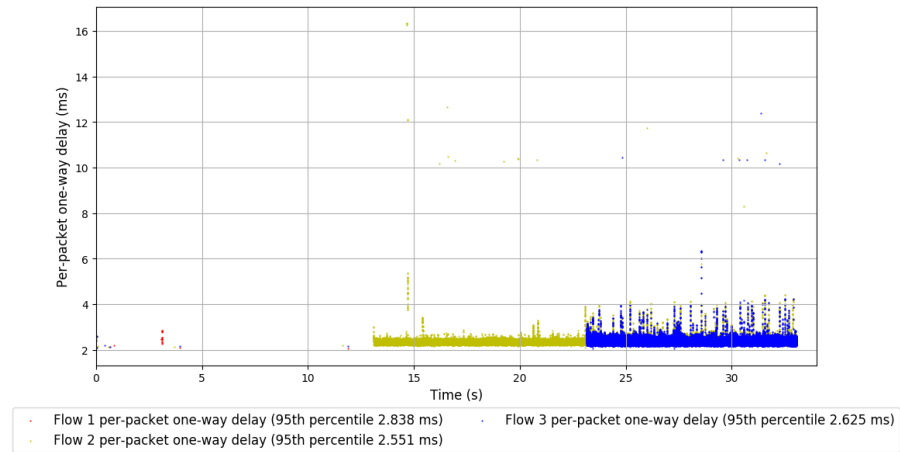
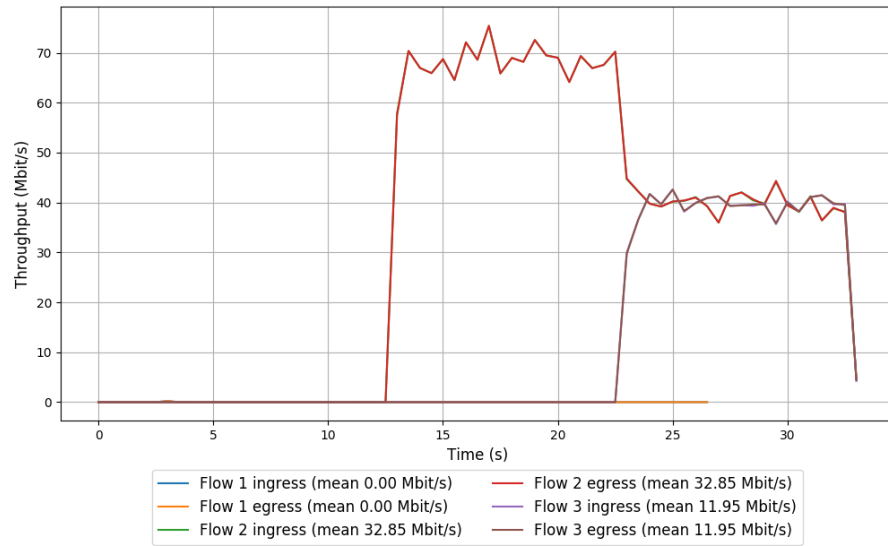
-- Flow 3:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 2.625 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sat, 01 Jul 2017 10:44:18 +0000

End at: Sat, 01 Jul 2017 10:44:48 +0000

Local clock offset: 0.127 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.56 Mbit/s

95th percentile per-packet one-way delay: 2.684 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.97 Mbit/s

95th percentile per-packet one-way delay: 2.612 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 18.81 Mbit/s

95th percentile per-packet one-way delay: 2.740 ms

Loss rate: 0.00%

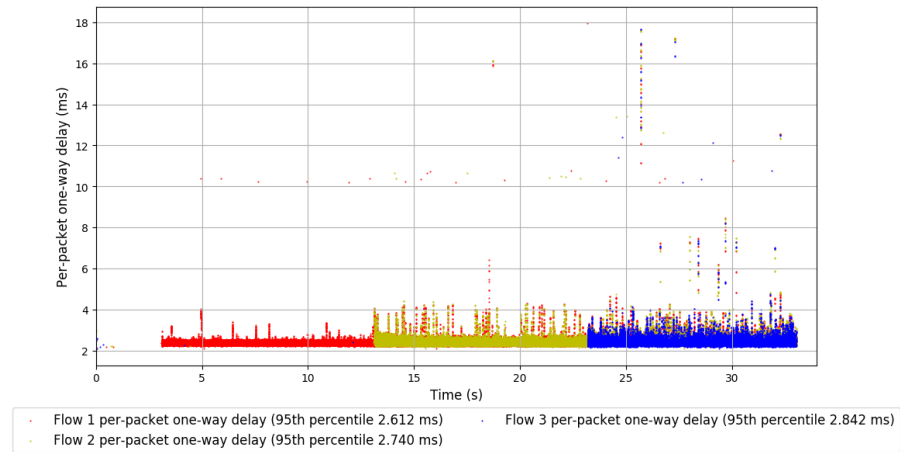
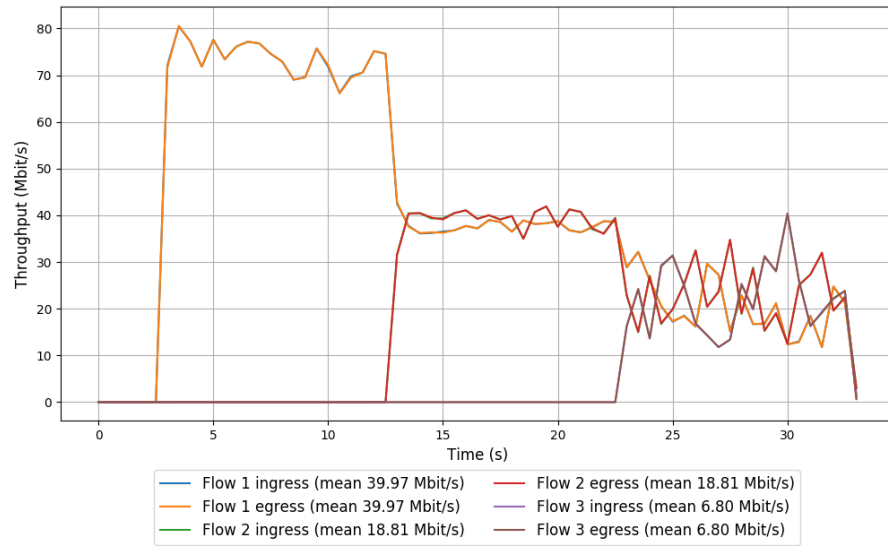
-- Flow 3:

Average throughput: 6.80 Mbit/s

95th percentile per-packet one-way delay: 2.842 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sat, 01 Jul 2017 11:01:26 +0000

End at: Sat, 01 Jul 2017 11:01:56 +0000

Local clock offset: 0.111 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.11 Mbit/s

95th percentile per-packet one-way delay: 2.693 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.86 Mbit/s

95th percentile per-packet one-way delay: 2.626 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.37 Mbit/s

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

Loss rate: 0.00%

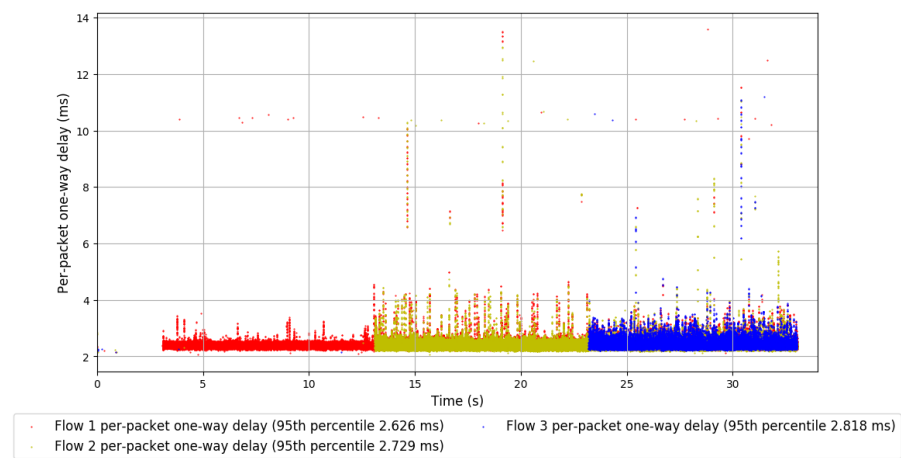
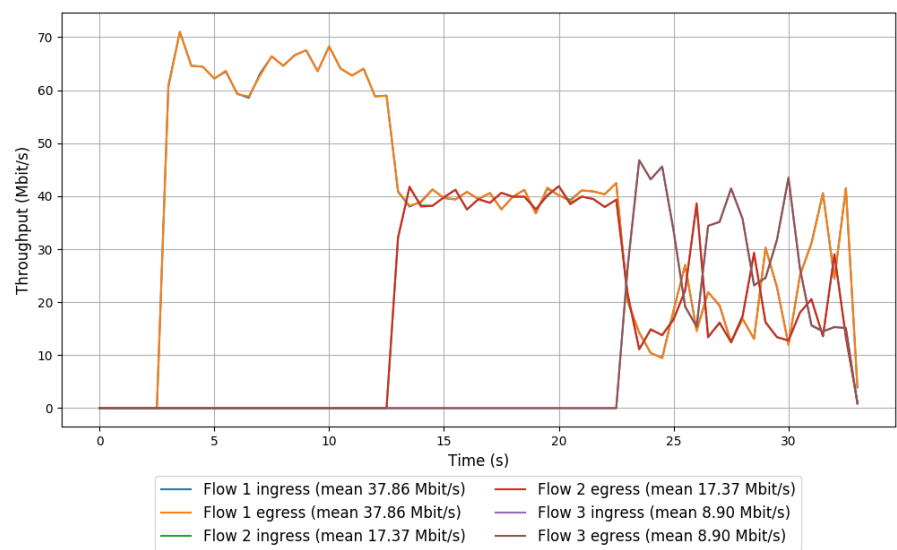
-- Flow 3:

Average throughput: 8.90 Mbit/s

95th percentile per-packet one-way delay: 2.818 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sat, 01 Jul 2017 11:18:33 +0000

End at: Sat, 01 Jul 2017 11:19:03 +0000

Local clock offset: 0.092 ms

Remote clock offset: -0.008 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:31:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.56 Mbit/s

95th percentile per-packet one-way delay: 2.509 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.23 Mbit/s

95th percentile per-packet one-way delay: 2.468 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.691 ms

Loss rate: 0.00%

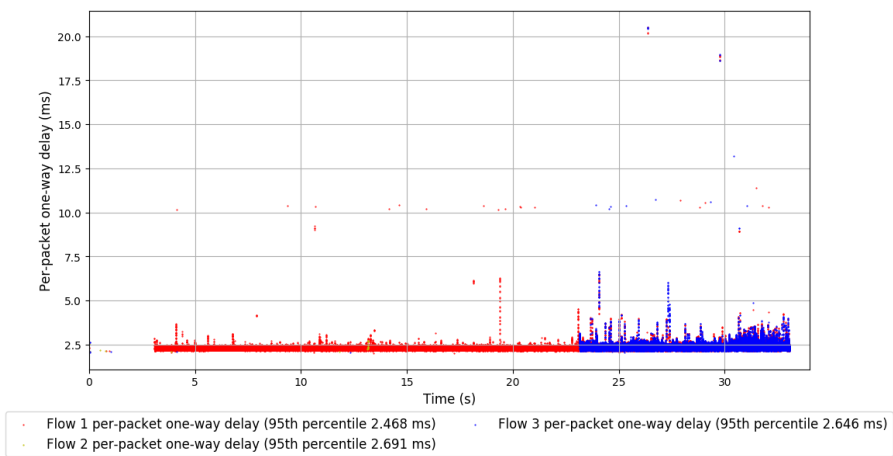
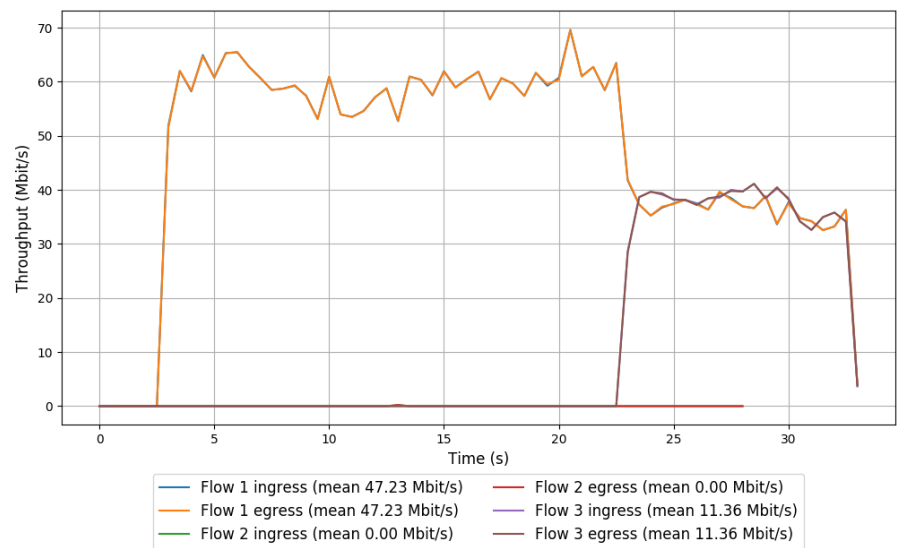
-- Flow 3:

Average throughput: 11.36 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sat, 01 Jul 2017 11:35:39 +0000

End at: Sat, 01 Jul 2017 11:36:09 +0000

Local clock offset: 0.038 ms

Remote clock offset: 0.024 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:31:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.58 Mbit/s

95th percentile per-packet one-way delay: 2.451 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.34 Mbit/s

95th percentile per-packet one-way delay: 2.410 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.673 ms

Loss rate: 0.00%

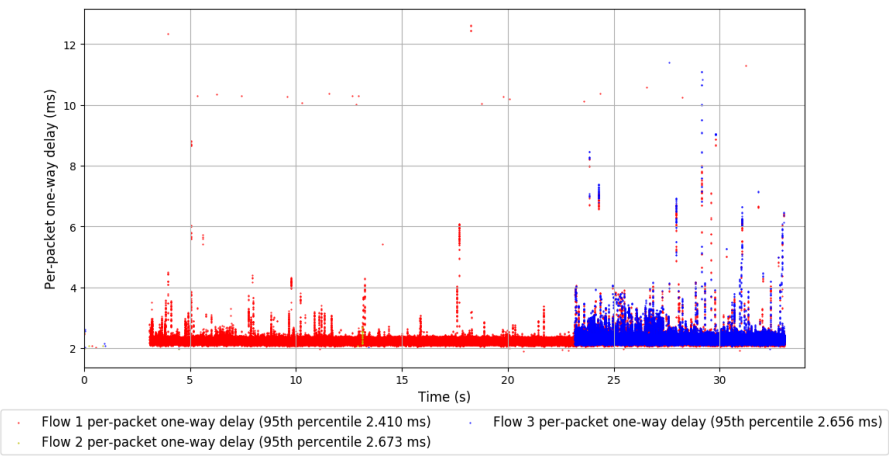
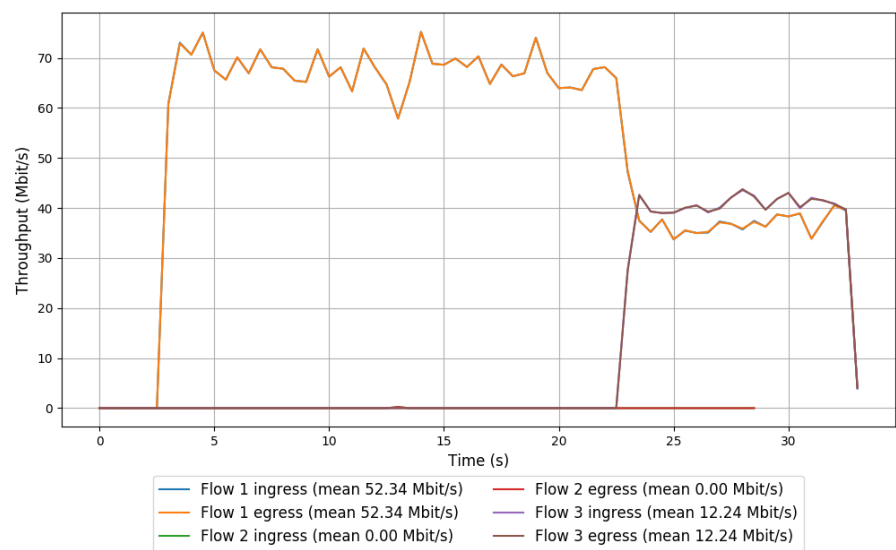
-- Flow 3:

Average throughput: 12.24 Mbit/s

95th percentile per-packet one-way delay: 2.656 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sat, 01 Jul 2017 11:52:49 +0000

End at: Sat, 01 Jul 2017 11:53:19 +0000

Local clock offset: -0.472 ms

Remote clock offset: 0.105 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:32:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.69 Mbit/s

95th percentile per-packet one-way delay: 1.862 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.16 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.55 Mbit/s

95th percentile per-packet one-way delay: 1.933 ms

Loss rate: 0.00%

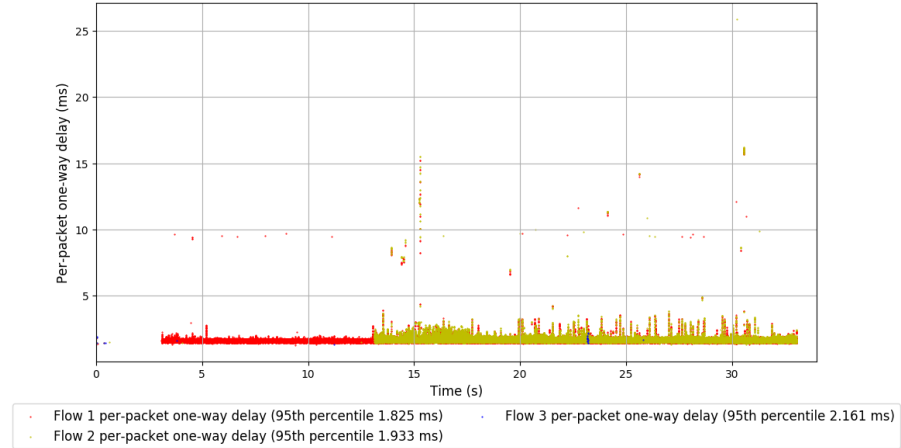
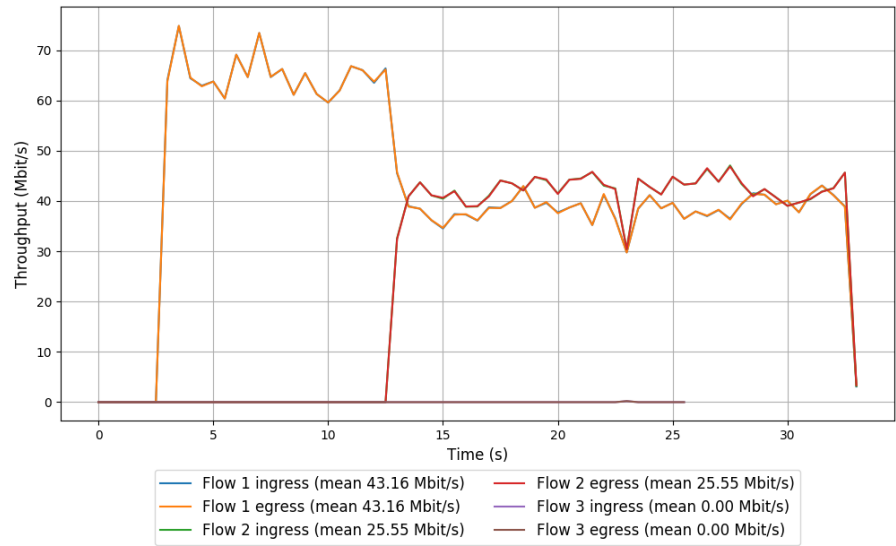
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.161 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 09:18:03 +0000

End at: Sat, 01 Jul 2017 09:18:33 +0000

Local clock offset: -0.165 ms

Remote clock offset: -0.021 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:32:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 41.368 ms

Loss rate: 1.45%

-- Flow 1:

Average throughput: 64.23 Mbit/s

95th percentile per-packet one-way delay: 41.322 ms

Loss rate: 1.36%

-- Flow 2:

Average throughput: 16.19 Mbit/s

95th percentile per-packet one-way delay: 41.630 ms

Loss rate: 1.69%

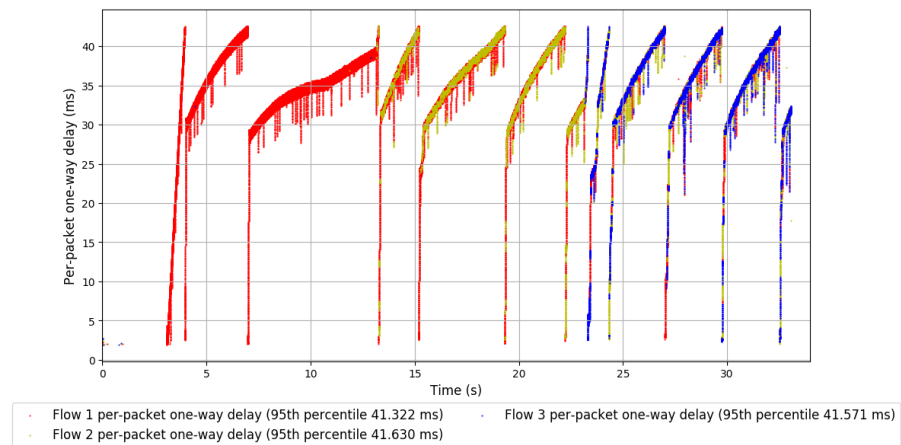
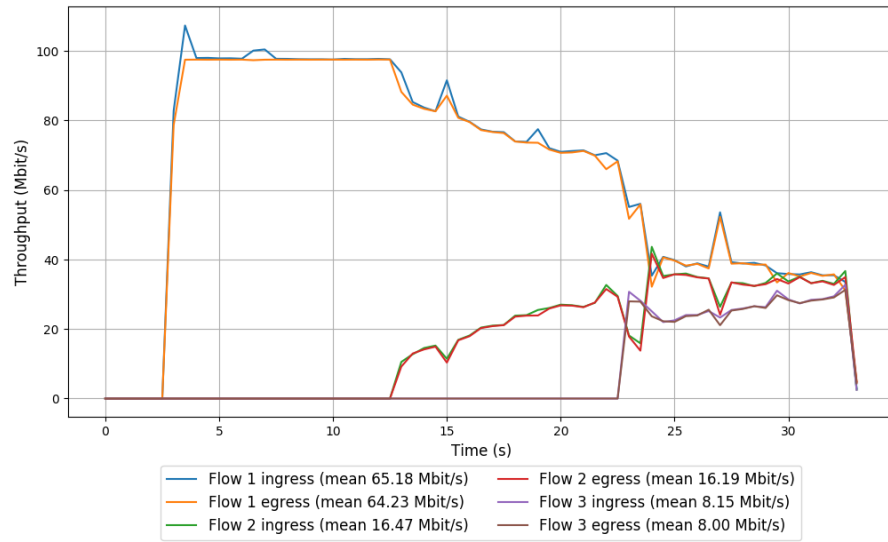
-- Flow 3:

Average throughput: 8.00 Mbit/s

95th percentile per-packet one-way delay: 41.571 ms

Loss rate: 1.70%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 09:34:55 +0000

End at: Sat, 01 Jul 2017 09:35:25 +0000

Local clock offset: -0.433 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.40 Mbit/s

95th percentile per-packet one-way delay: 41.059 ms

Loss rate: 1.27%

-- Flow 1:

Average throughput: 65.55 Mbit/s

95th percentile per-packet one-way delay: 41.038 ms

Loss rate: 1.26%

-- Flow 2:

Average throughput: 12.92 Mbit/s

95th percentile per-packet one-way delay: 41.156 ms

Loss rate: 1.56%

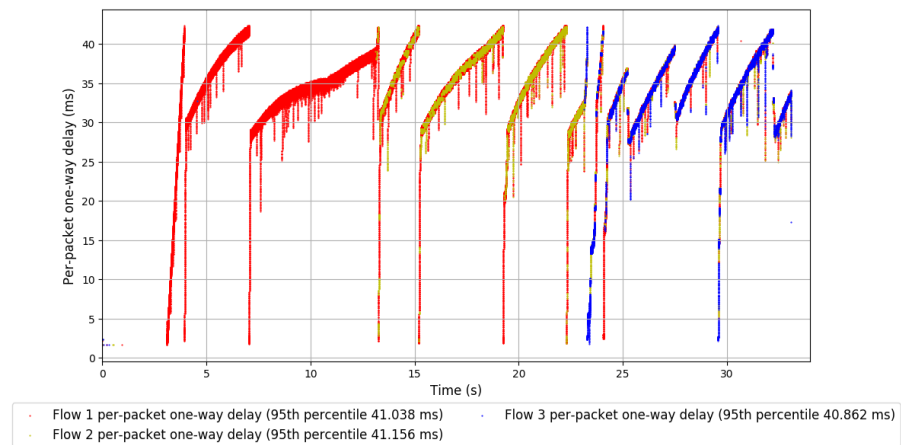
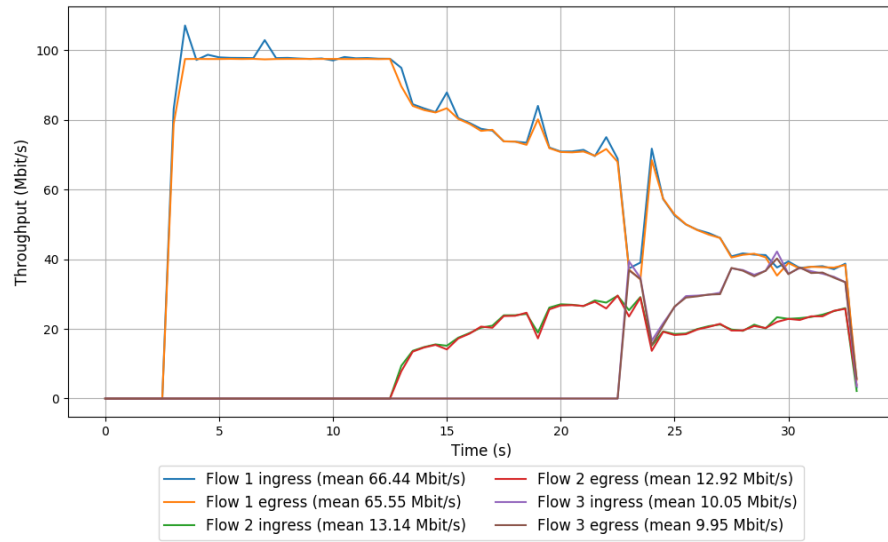
-- Flow 3:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: 40.862 ms

Loss rate: 0.97%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 09:51:52 +0000

End at: Sat, 01 Jul 2017 09:52:22 +0000

Local clock offset: -0.095 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.35 Mbit/s

95th percentile per-packet one-way delay: 41.264 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 65.40 Mbit/s

95th percentile per-packet one-way delay: 41.074 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 16.09 Mbit/s

95th percentile per-packet one-way delay: 41.357 ms

Loss rate: 1.39%

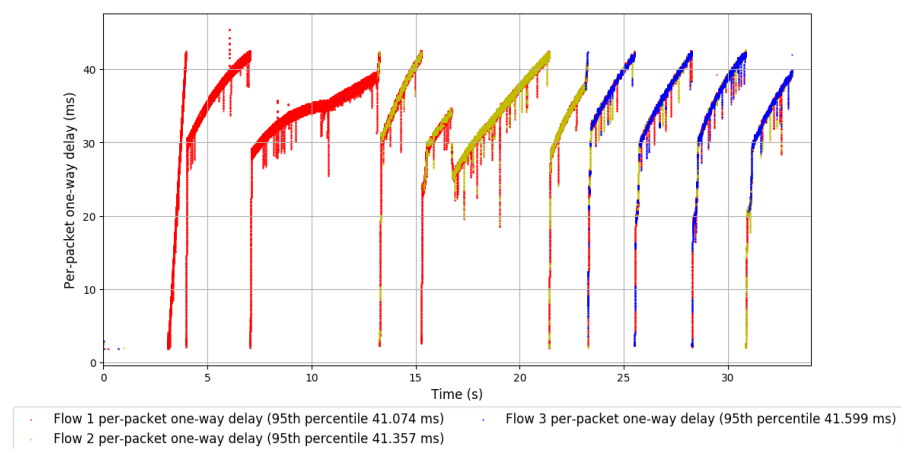
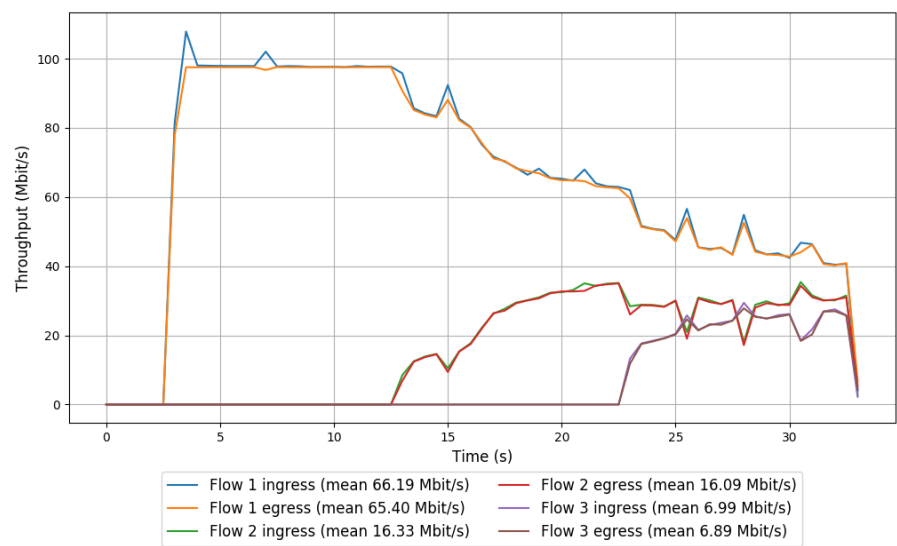
-- Flow 3:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 41.599 ms

Loss rate: 1.33%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 10:08:58 +0000

End at: Sat, 01 Jul 2017 10:09:28 +0000

Local clock offset: 0.038 ms

Remote clock offset: 0.015 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.36 Mbit/s

95th percentile per-packet one-way delay: 41.538 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 66.49 Mbit/s

95th percentile per-packet one-way delay: 41.487 ms

Loss rate: 1.28%

-- Flow 2:

Average throughput: 15.37 Mbit/s

95th percentile per-packet one-way delay: 41.758 ms

Loss rate: 1.44%

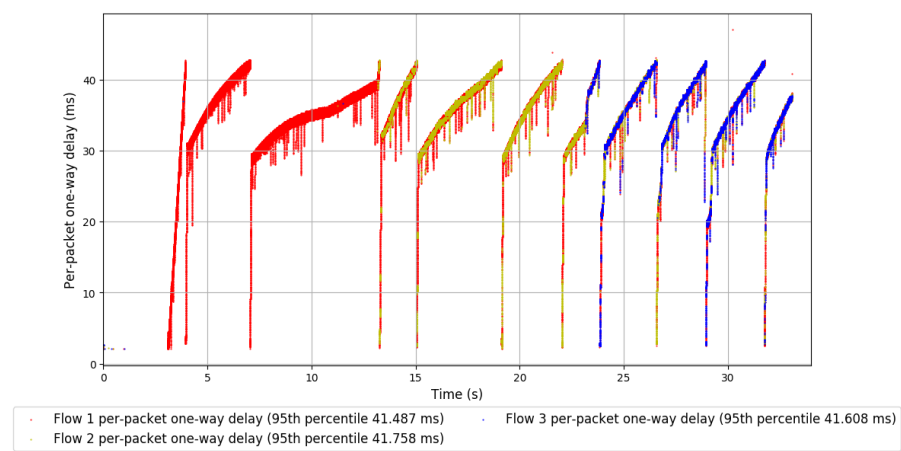
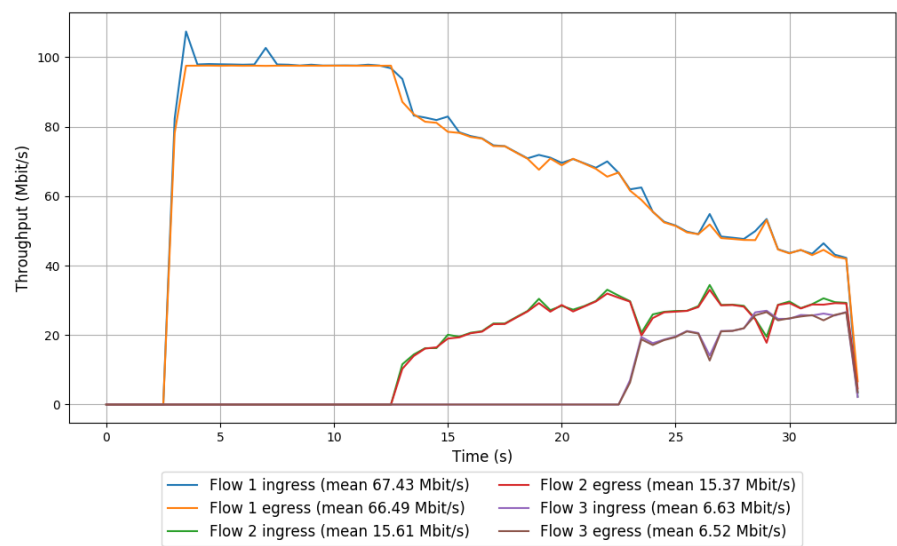
-- Flow 3:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 41.608 ms

Loss rate: 1.48%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 10:26:04 +0000

End at: Sat, 01 Jul 2017 10:26:34 +0000

Local clock offset: 0.064 ms

Remote clock offset: -0.119 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.36 Mbit/s

95th percentile per-packet one-way delay: 41.518 ms

Loss rate: 1.61%

-- Flow 1:

Average throughput: 66.94 Mbit/s

95th percentile per-packet one-way delay: 41.396 ms

Loss rate: 1.42%

-- Flow 2:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 41.801 ms

Loss rate: 2.15%

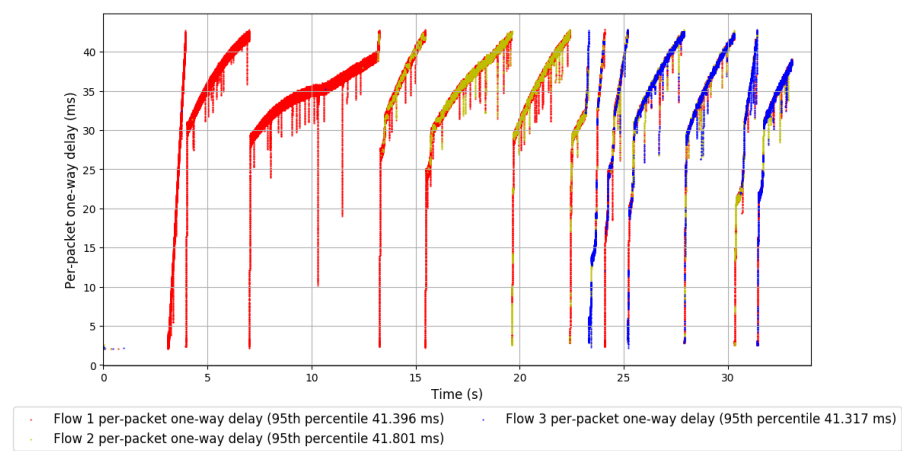
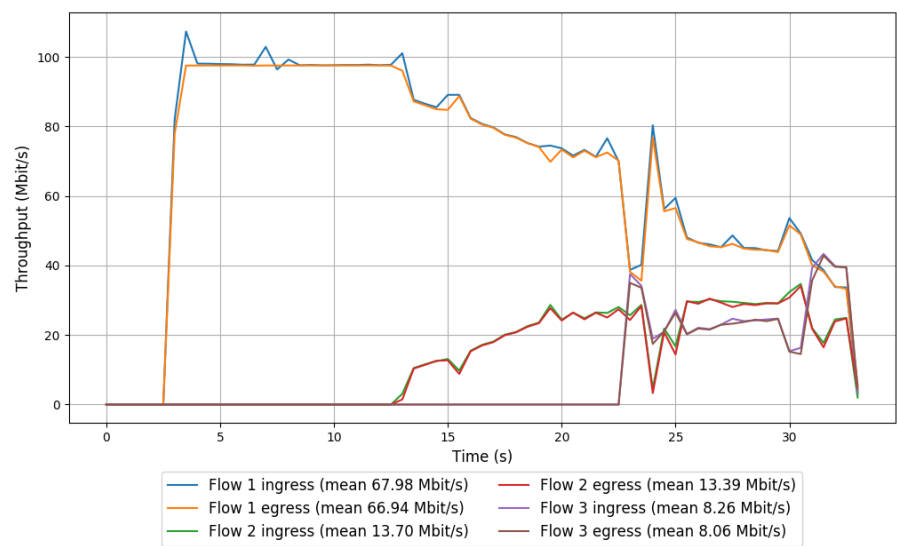
-- Flow 3:

Average throughput: 8.06 Mbit/s

95th percentile per-packet one-way delay: 41.317 ms

Loss rate: 2.35%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 10:43:08 +0000

End at: Sat, 01 Jul 2017 10:43:38 +0000

Local clock offset: 0.047 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.38 Mbit/s

95th percentile per-packet one-way delay: 41.592 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 61.55 Mbit/s

95th percentile per-packet one-way delay: 41.528 ms

Loss rate: 1.29%

-- Flow 2:

Average throughput: 19.54 Mbit/s

95th percentile per-packet one-way delay: 41.657 ms

Loss rate: 1.35%

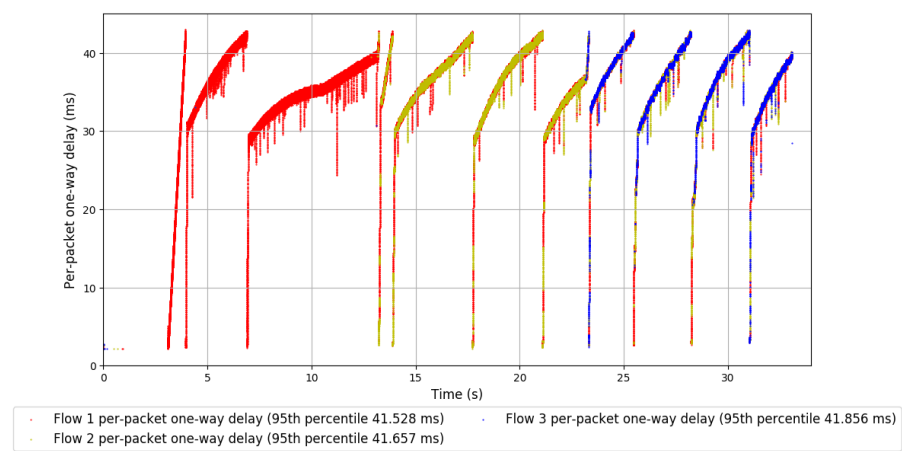
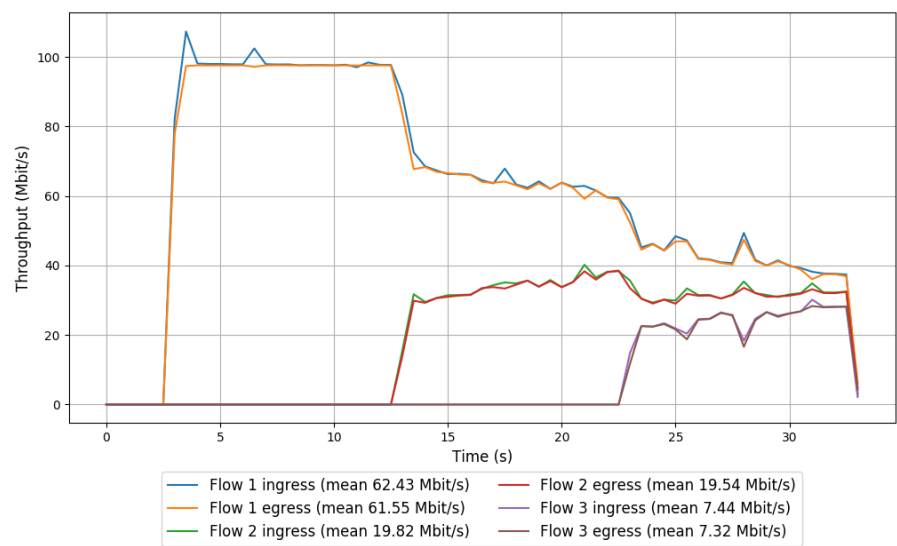
-- Flow 3:

Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 41.856 ms

Loss rate: 1.64%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:00:17 +0000

End at: Sat, 01 Jul 2017 11:00:47 +0000

Local clock offset: 0.087 ms

Remote clock offset: 0.002 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.36 Mbit/s

95th percentile per-packet one-way delay: 41.388 ms

Loss rate: 1.40%

-- Flow 1:

Average throughput: 66.49 Mbit/s

95th percentile per-packet one-way delay: 41.299 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 14.70 Mbit/s

95th percentile per-packet one-way delay: 41.676 ms

Loss rate: 2.05%

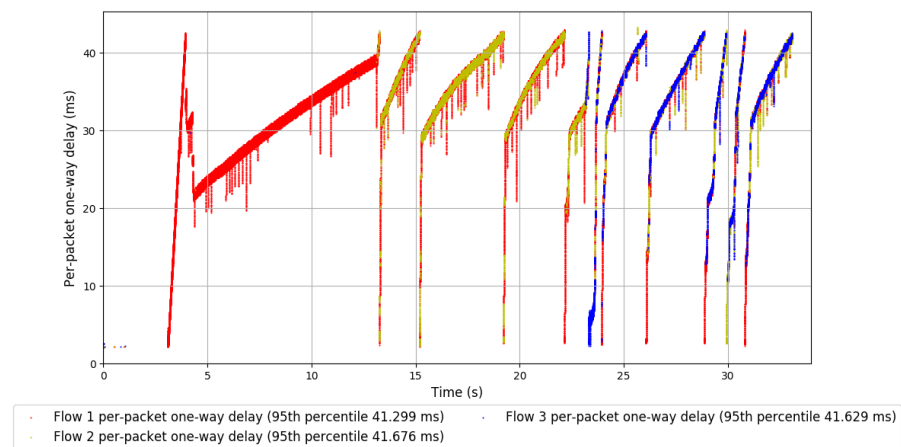
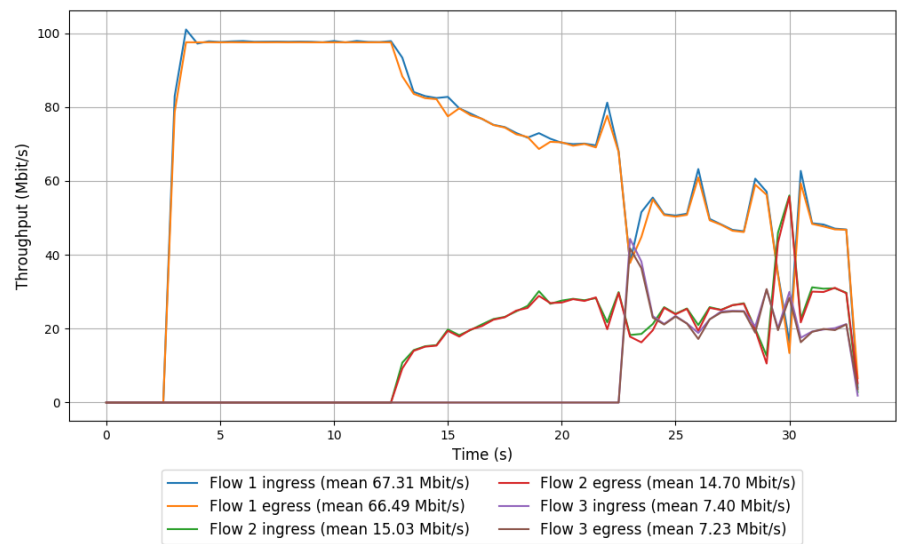
-- Flow 3:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 41.629 ms

Loss rate: 2.25%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:17:23 +0000

End at: Sat, 01 Jul 2017 11:17:53 +0000

Local clock offset: 0.07 ms

Remote clock offset: -0.029 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:35:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.34 Mbit/s

95th percentile per-packet one-way delay: 41.554 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 65.76 Mbit/s

95th percentile per-packet one-way delay: 41.505 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 14.17 Mbit/s

95th percentile per-packet one-way delay: 41.745 ms

Loss rate: 1.84%

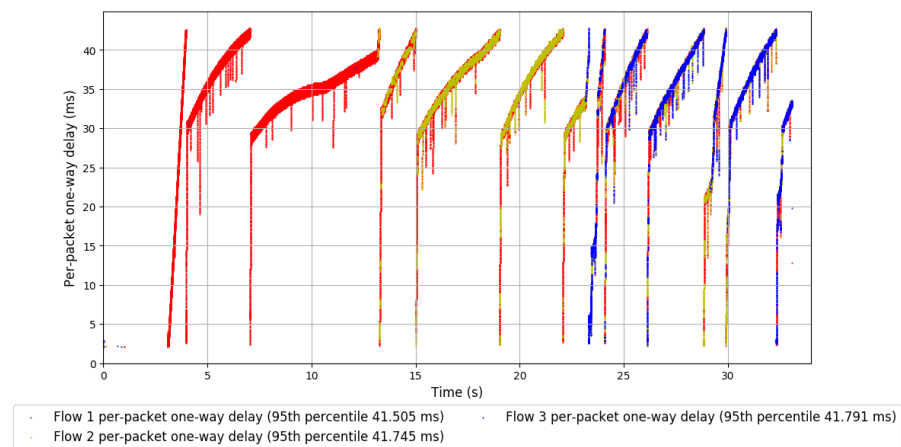
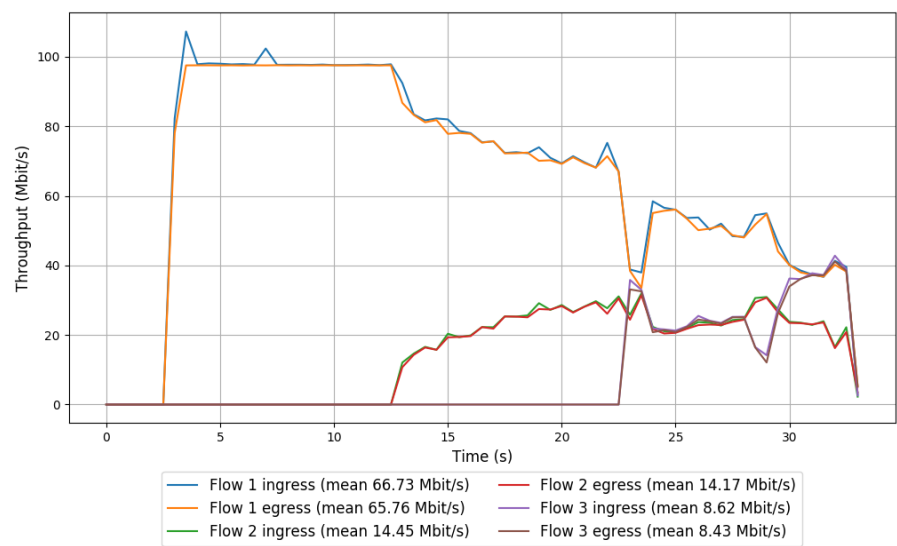
-- Flow 3:

Average throughput: 8.43 Mbit/s

95th percentile per-packet one-way delay: 41.791 ms

Loss rate: 2.26%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:34:30 +0000

End at: Sat, 01 Jul 2017 11:35:00 +0000

Local clock offset: 0.028 ms

Remote clock offset: -0.008 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:35:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.39 Mbit/s

95th percentile per-packet one-way delay: 41.512 ms

Loss rate: 1.58%

-- Flow 1:

Average throughput: 66.47 Mbit/s

95th percentile per-packet one-way delay: 41.486 ms

Loss rate: 1.44%

-- Flow 2:

Average throughput: 14.65 Mbit/s

95th percentile per-packet one-way delay: 41.743 ms

Loss rate: 2.01%

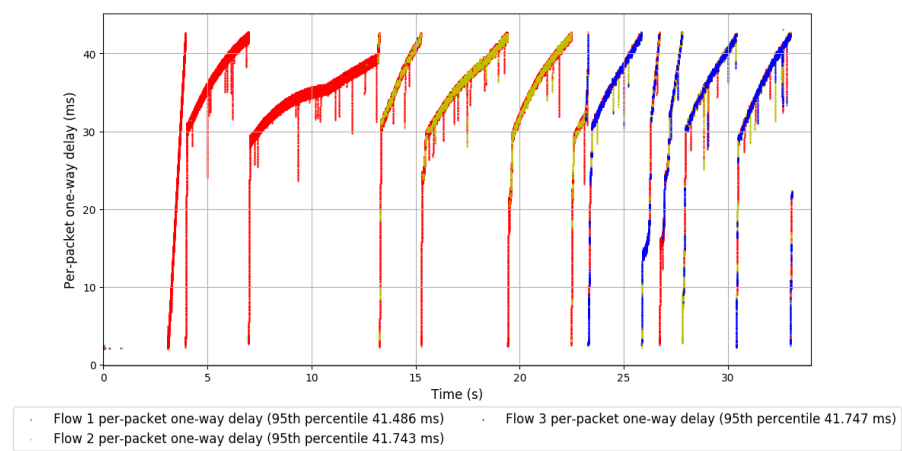
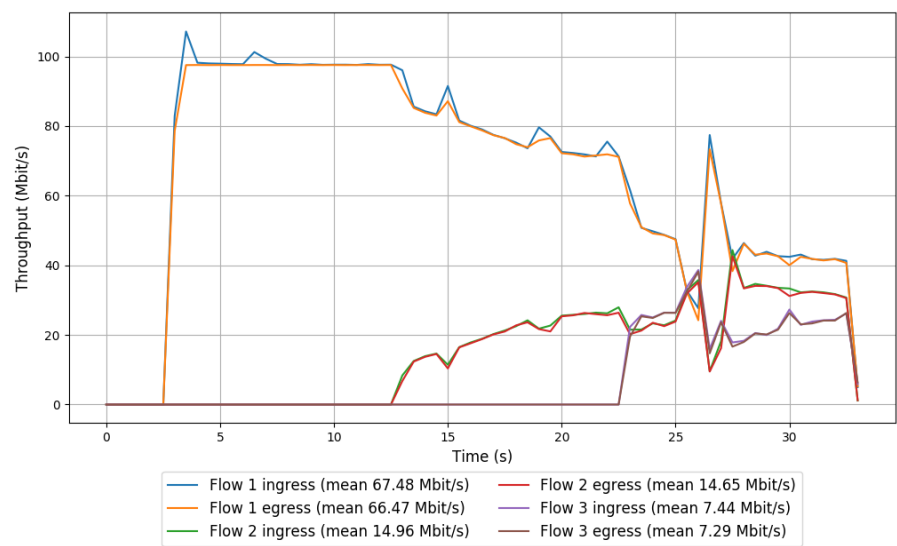
-- Flow 3:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 41.747 ms

Loss rate: 2.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:51:39 +0000

End at: Sat, 01 Jul 2017 11:52:09 +0000

Local clock offset: -0.408 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:36:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.36 Mbit/s

95th percentile per-packet one-way delay: 40.895 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 64.80 Mbit/s

95th percentile per-packet one-way delay: 40.870 ms

Loss rate: 1.28%

-- Flow 2:

Average throughput: 14.94 Mbit/s

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

Loss rate: 1.46%

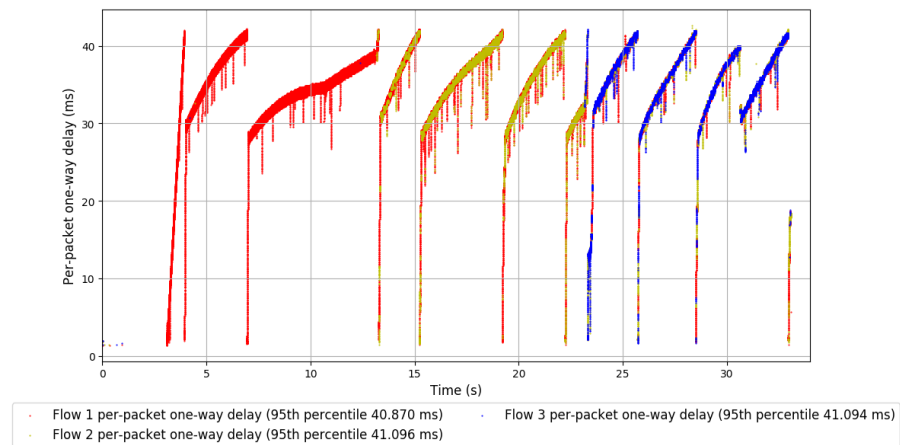
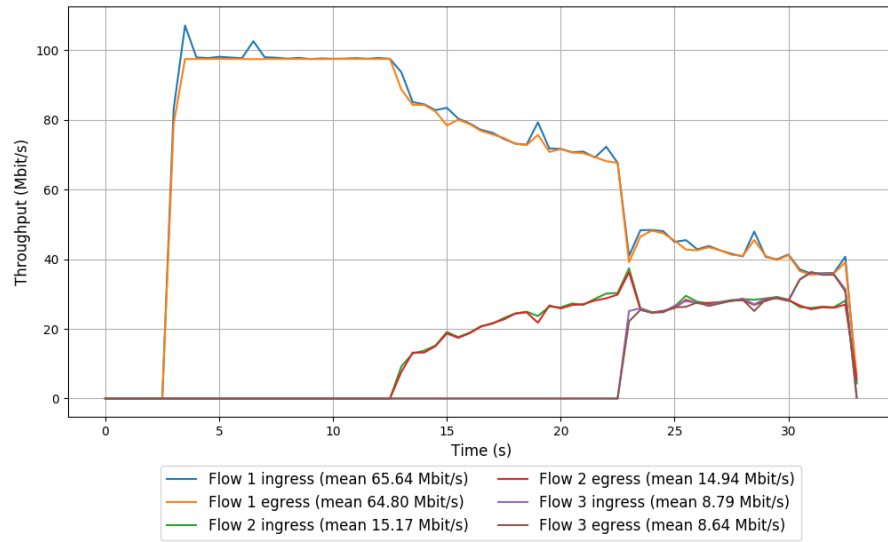
-- Flow 3:

Average throughput: 8.64 Mbit/s

95th percentile per-packet one-way delay: 41.094 ms

Loss rate: 1.62%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 09:06:53 +0000

End at: Sat, 01 Jul 2017 09:07:23 +0000

Local clock offset: -0.609 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:36:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.99 Mbit/s

95th percentile per-packet one-way delay: 2.502 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 4.95 Mbit/s

95th percentile per-packet one-way delay: 2.116 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.30 Mbit/s

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

Loss rate: 0.00%

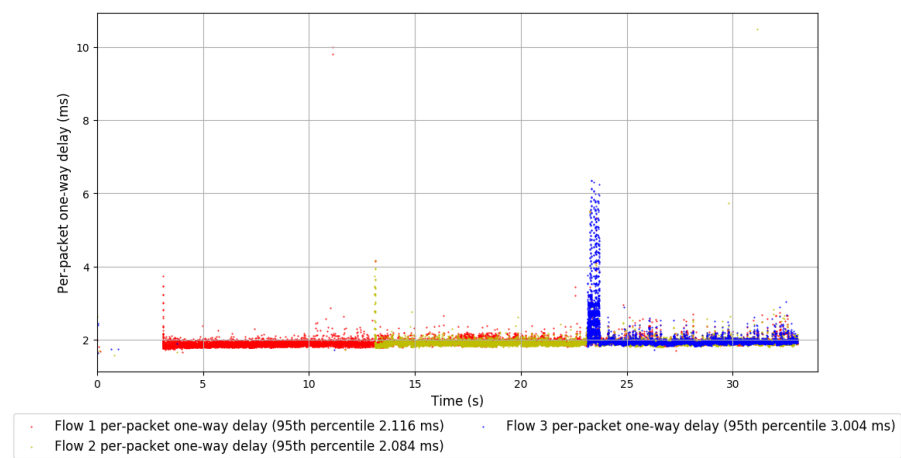
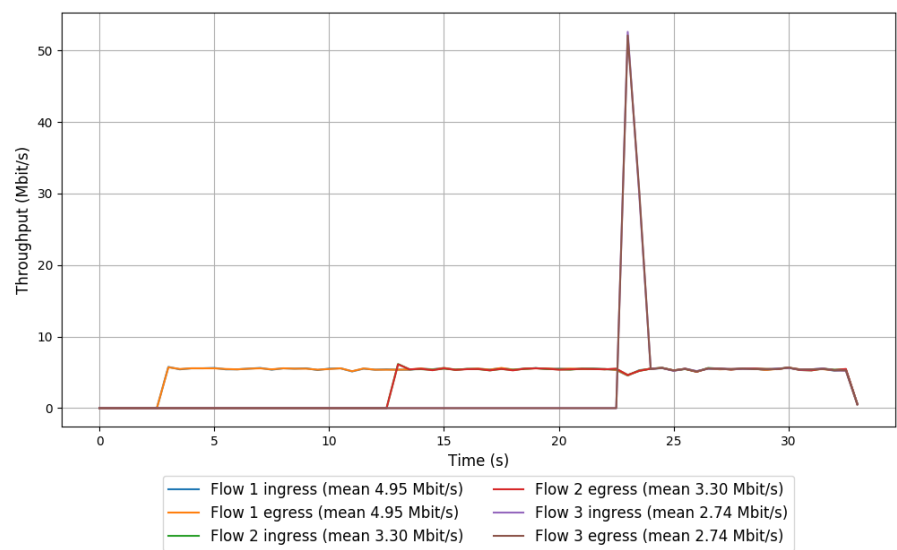
-- Flow 3:

Average throughput: 2.74 Mbit/s

95th percentile per-packet one-way delay: 3.004 ms

Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 09:23:44 +0000

End at: Sat, 01 Jul 2017 09:24:14 +0000

Local clock offset: -0.267 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:36:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.21 Mbit/s

95th percentile per-packet one-way delay: 2.070 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.08 Mbit/s

95th percentile per-packet one-way delay: 2.082 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.40 Mbit/s

95th percentile per-packet one-way delay: 2.057 ms

Loss rate: 0.00%

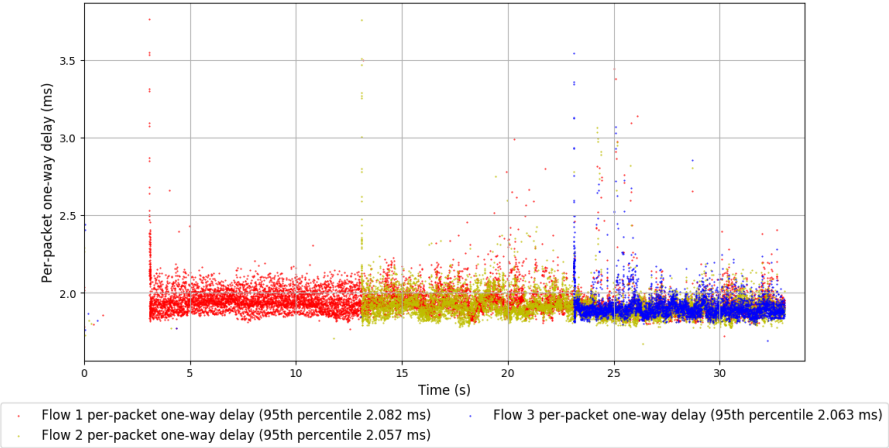
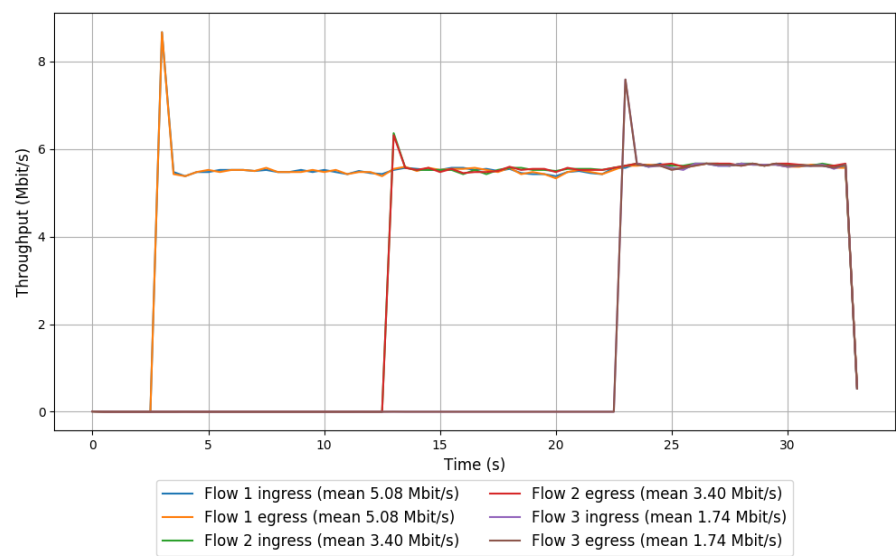
-- Flow 3:

Average throughput: 1.74 Mbit/s

95th percentile per-packet one-way delay: 2.063 ms

Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 09:40:40 +0000

End at: Sat, 01 Jul 2017 09:41:10 +0000

Local clock offset: -0.27 ms

Remote clock offset: 0.109 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:36:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.34 Mbit/s

95th percentile per-packet one-way delay: 2.037 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.15 Mbit/s

95th percentile per-packet one-way delay: 2.056 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 1.977 ms

Loss rate: 0.00%

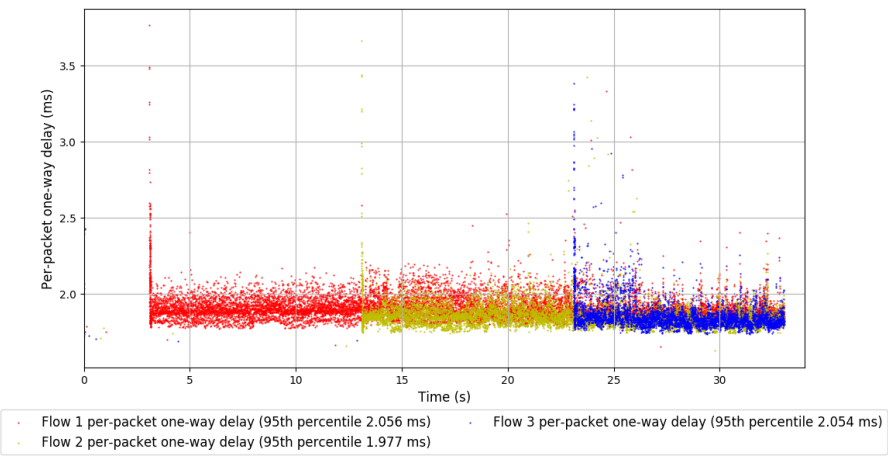
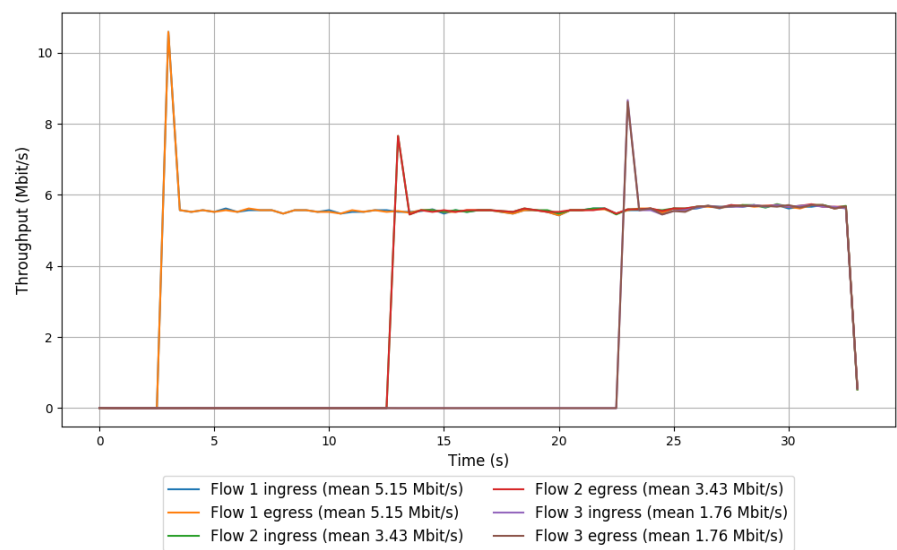
-- Flow 3:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 2.054 ms

Loss rate: 0.00%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 09:57:41 +0000

End at: Sat, 01 Jul 2017 09:58:11 +0000

Local clock offset: -0.008 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:36:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.94 Mbit/s

95th percentile per-packet one-way delay: 2.950 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 47.72 Mbit/s

95th percentile per-packet one-way delay: 2.929 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.70 Mbit/s

95th percentile per-packet one-way delay: 2.995 ms

Loss rate: 0.00%

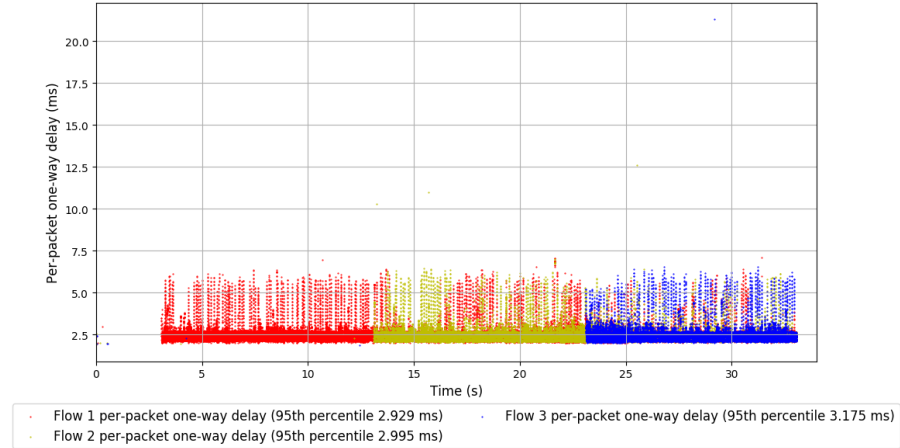
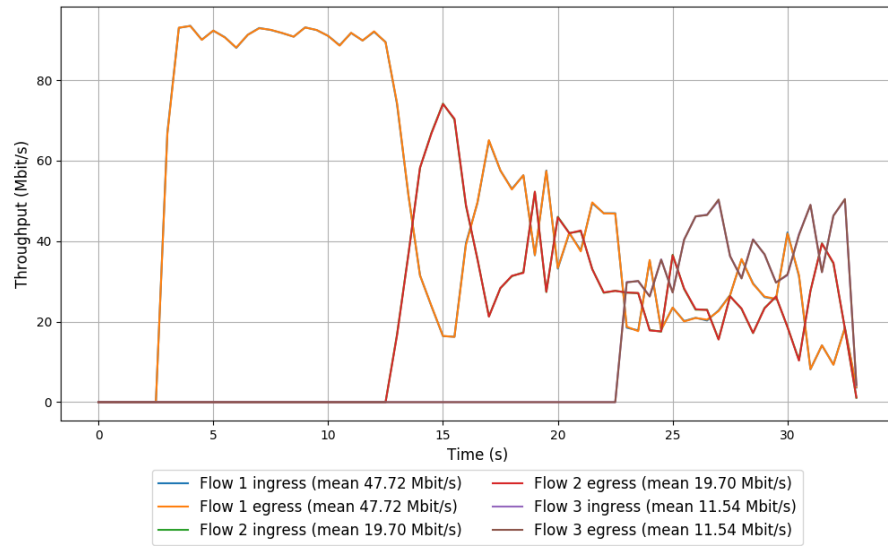
-- Flow 3:

Average throughput: 11.54 Mbit/s

95th percentile per-packet one-way delay: 3.175 ms

Loss rate: 0.00%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 10:14:47 +0000

End at: Sat, 01 Jul 2017 10:15:17 +0000

Local clock offset: 0.068 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:36:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.36 Mbit/s

95th percentile per-packet one-way delay: 2.891 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.33 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 18.85 Mbit/s

95th percentile per-packet one-way delay: 2.922 ms

Loss rate: 0.00%

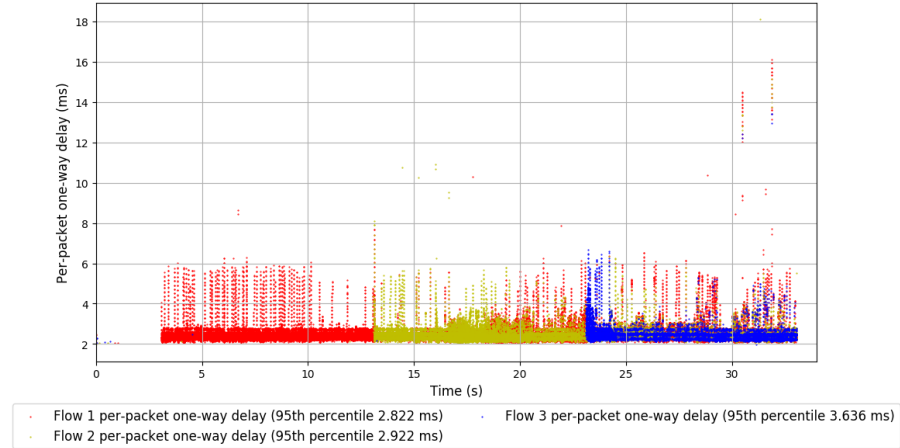
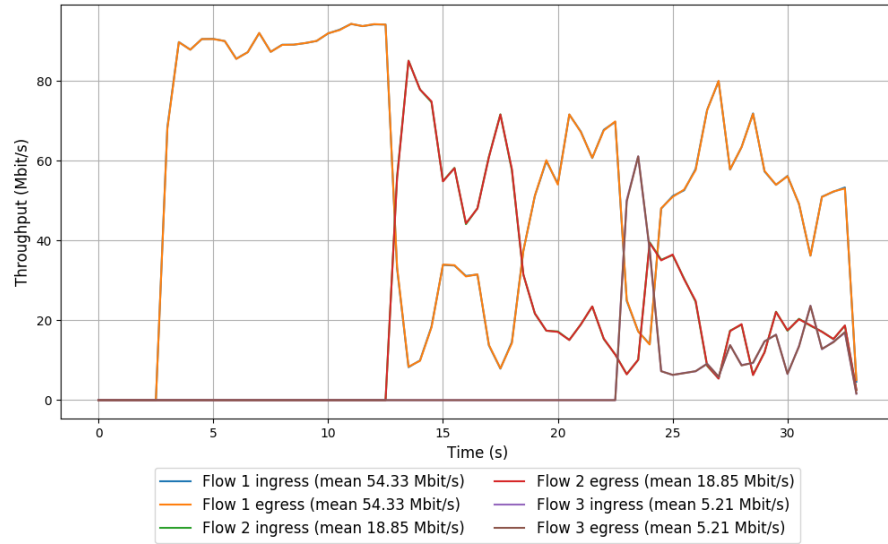
-- Flow 3:

Average throughput: 5.21 Mbit/s

95th percentile per-packet one-way delay: 3.636 ms

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 10:31:51 +0000

End at: Sat, 01 Jul 2017 10:32:21 +0000

Local clock offset: 0.091 ms

Remote clock offset: -0.177 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:37:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.61 Mbit/s

95th percentile per-packet one-way delay: 2.730 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.78 Mbit/s

95th percentile per-packet one-way delay: 2.730 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.53 Mbit/s

95th percentile per-packet one-way delay: 2.723 ms

Loss rate: 0.00%

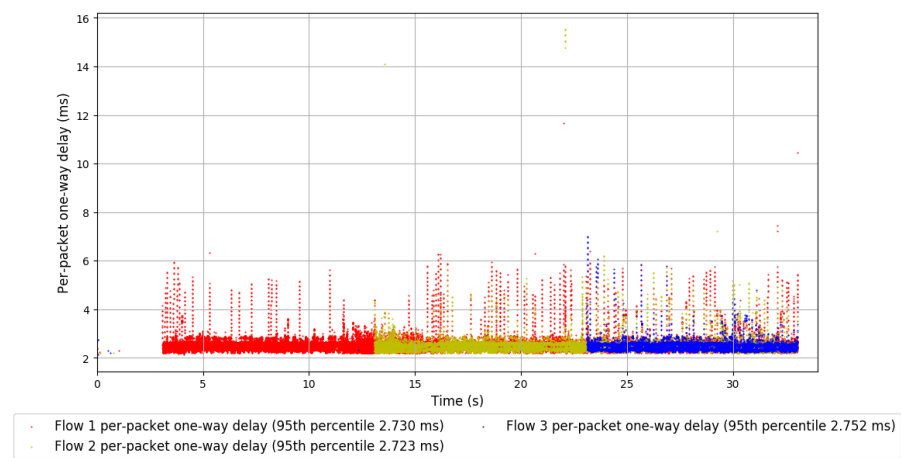
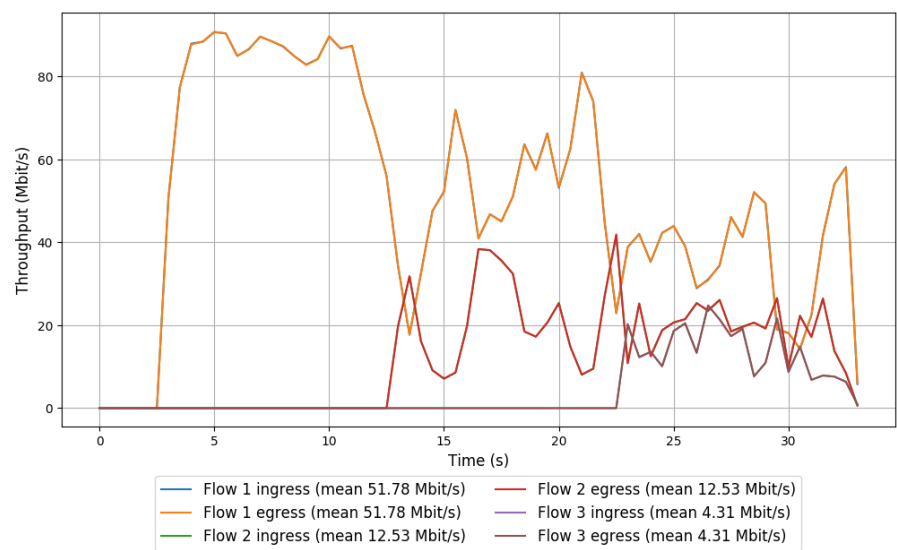
-- Flow 3:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 2.752 ms

Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 10:48:59 +0000

End at: Sat, 01 Jul 2017 10:49:29 +0000

Local clock offset: 0.181 ms

Remote clock offset: 0.026 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:37:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.51 Mbit/s

95th percentile per-packet one-way delay: 2.779 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 25.97 Mbit/s

95th percentile per-packet one-way delay: 2.734 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 44.21 Mbit/s

95th percentile per-packet one-way delay: 2.785 ms

Loss rate: 0.00%

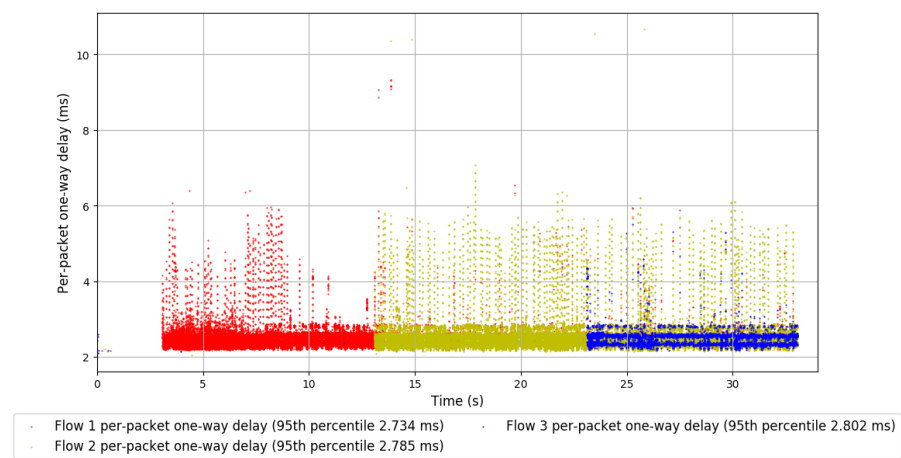
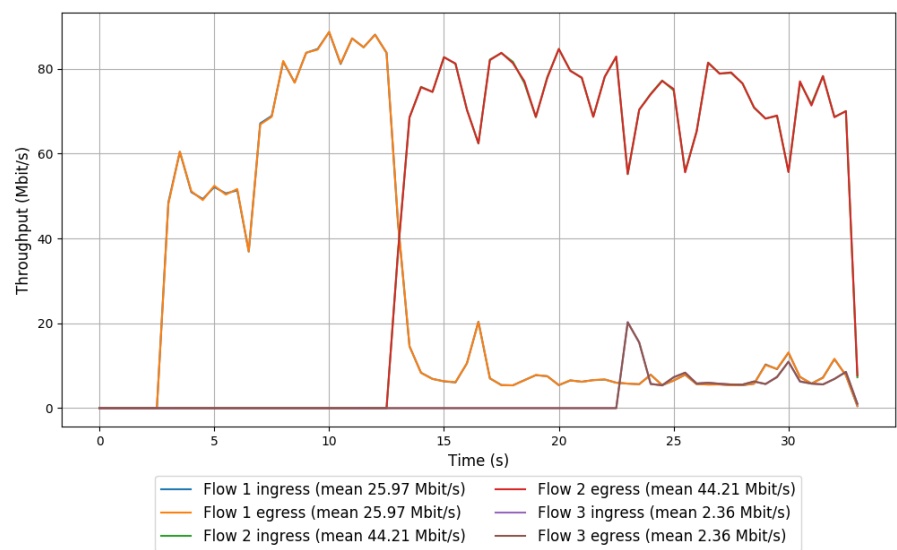
-- Flow 3:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 2.802 ms

Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 11:06:06 +0000

End at: Sat, 01 Jul 2017 11:06:36 +0000

Local clock offset: 0.073 ms

Remote clock offset: 0.018 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:37:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.95 Mbit/s

95th percentile per-packet one-way delay: 2.704 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.80 Mbit/s

95th percentile per-packet one-way delay: 2.651 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.29 Mbit/s

95th percentile per-packet one-way delay: 2.722 ms

Loss rate: 0.00%

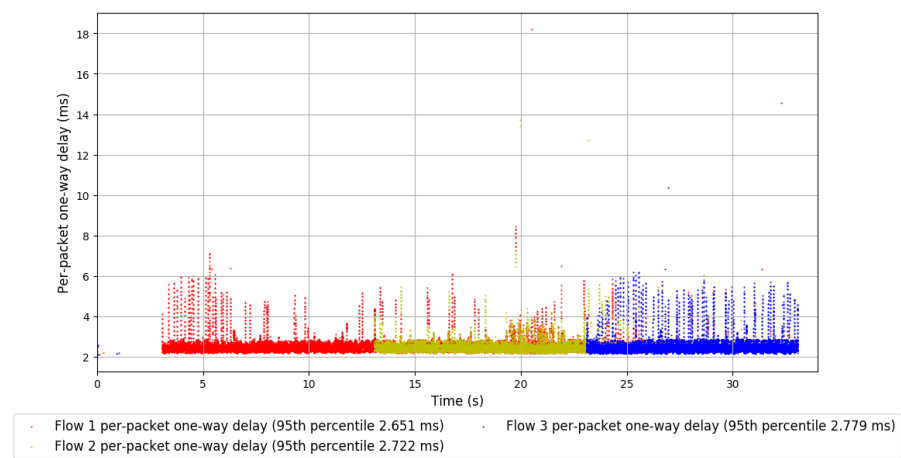
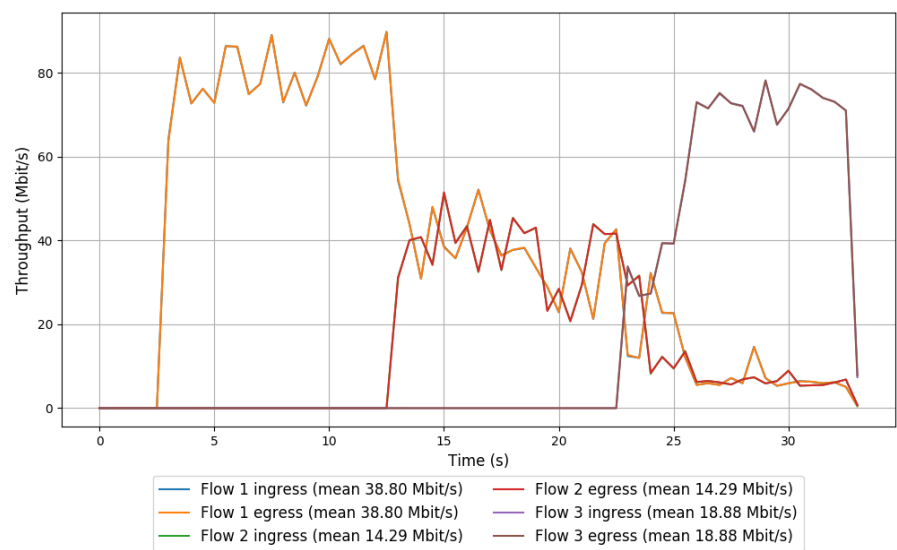
-- Flow 3:

Average throughput: 18.88 Mbit/s

95th percentile per-packet one-way delay: 2.779 ms

Loss rate: 0.00%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 11:23:12 +0000

End at: Sat, 01 Jul 2017 11:23:42 +0000

Local clock offset: 0.102 ms

Remote clock offset: -0.044 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:38:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.06 Mbit/s

95th percentile per-packet one-way delay: 2.750 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.48 Mbit/s

95th percentile per-packet one-way delay: 2.743 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 8.53 Mbit/s

95th percentile per-packet one-way delay: 2.783 ms

Loss rate: 0.00%

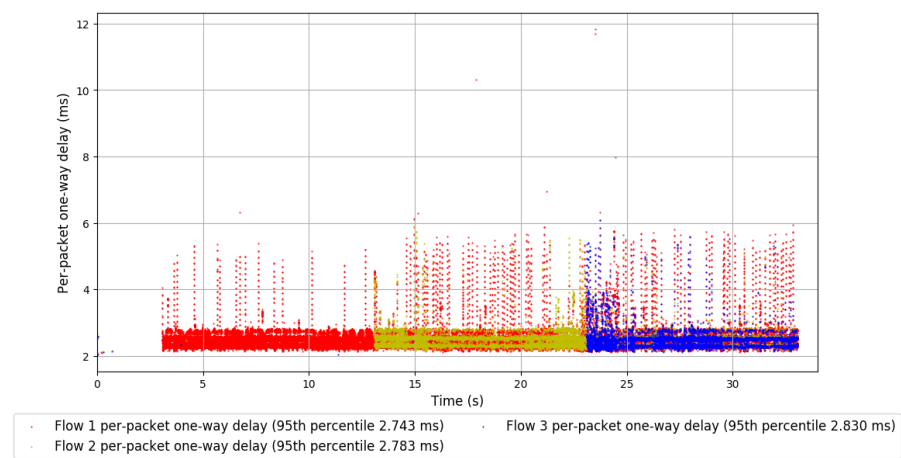
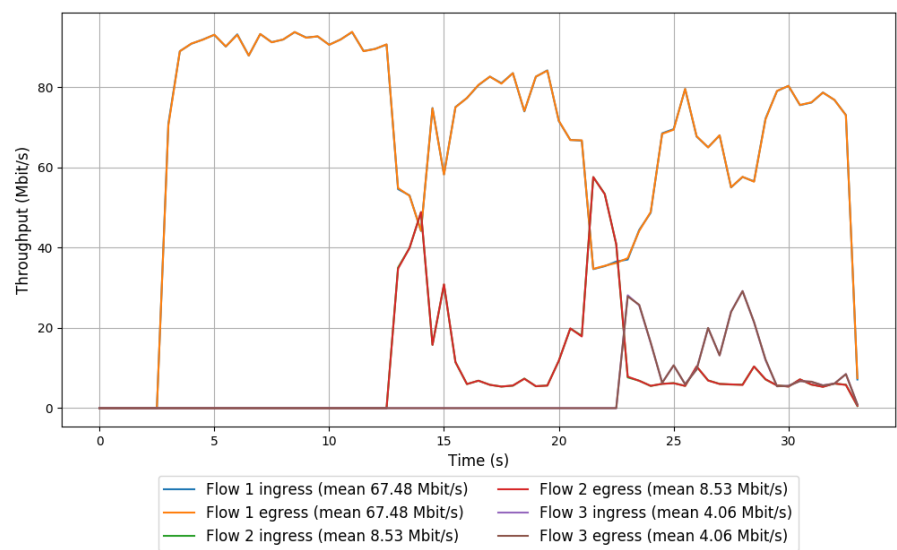
-- Flow 3:

Average throughput: 4.06 Mbit/s

95th percentile per-packet one-way delay: 2.830 ms

Loss rate: 0.03%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 11:40:21 +0000

End at: Sat, 01 Jul 2017 11:40:51 +0000

Local clock offset: 0.026 ms

Remote clock offset: 0.059 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:38:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.89 Mbit/s

95th percentile per-packet one-way delay: 4.448 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.31 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 3.313 ms

Loss rate: 0.00%

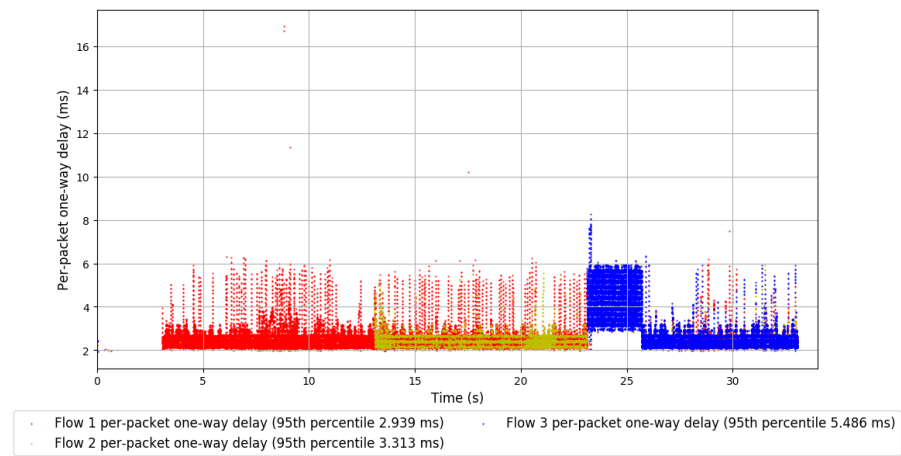
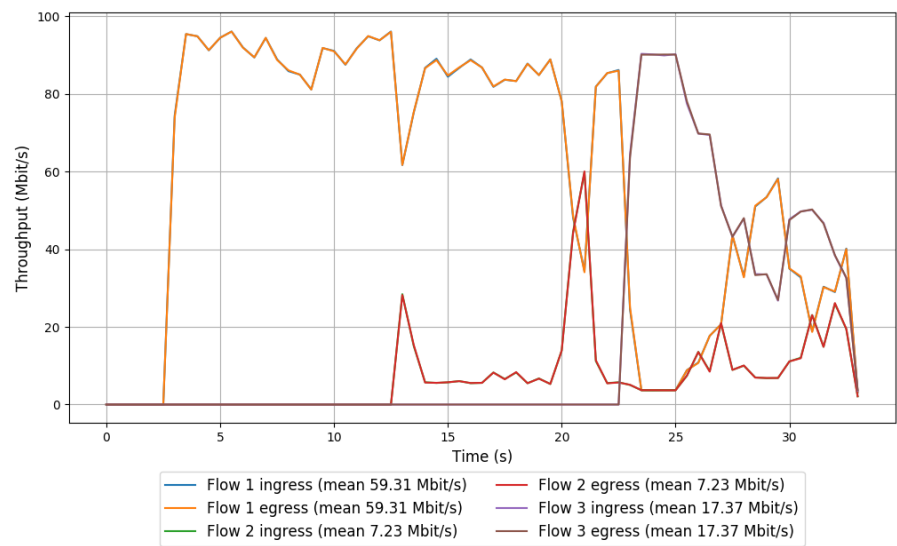
-- Flow 3:

Average throughput: 17.37 Mbit/s

95th percentile per-packet one-way delay: 5.486 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 09:13:38 +0000

End at: Sat, 01 Jul 2017 09:14:08 +0000

Local clock offset: 0.065 ms

Remote clock offset: -0.096 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:38:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.29 Mbit/s

95th percentile per-packet one-way delay: 40.516 ms

Loss rate: 1.39%

-- Flow 1:

Average throughput: 44.82 Mbit/s

95th percentile per-packet one-way delay: 40.471 ms

Loss rate: 1.10%

-- Flow 2:

Average throughput: 16.12 Mbit/s

95th percentile per-packet one-way delay: 40.680 ms

Loss rate: 1.87%

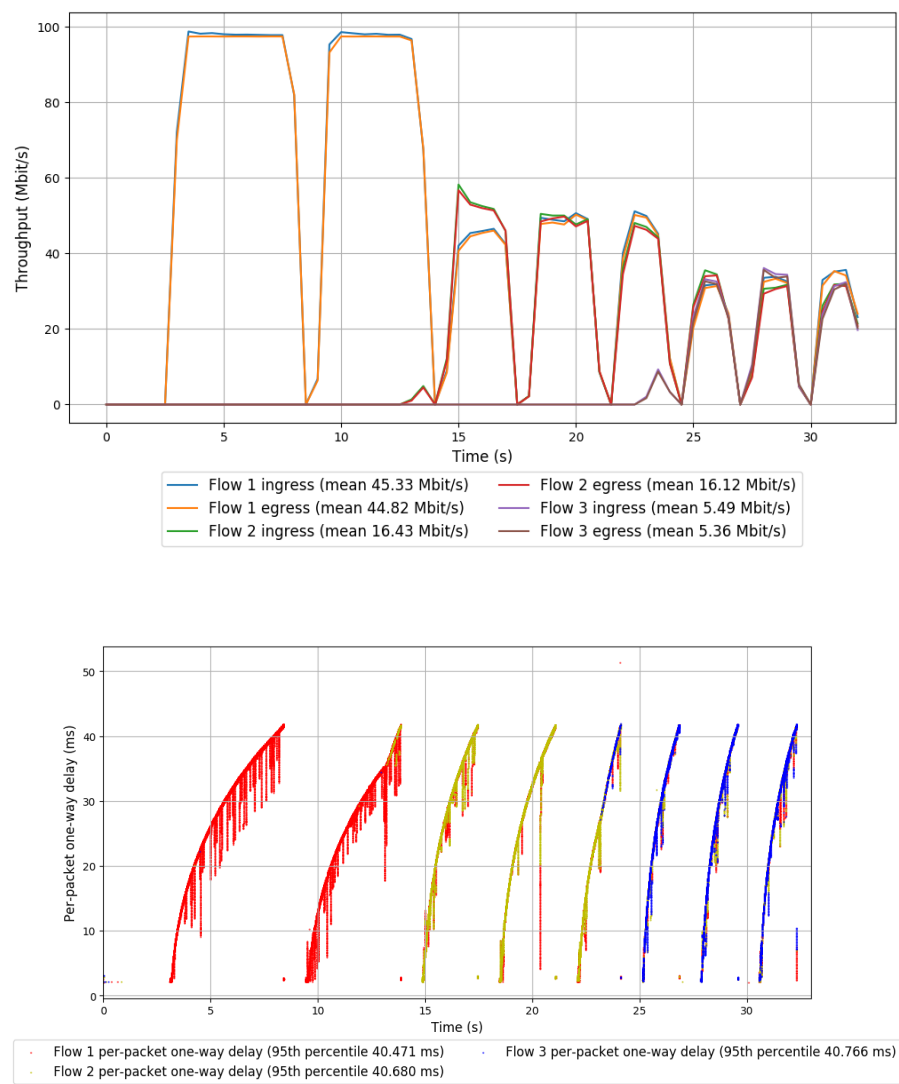
-- Flow 3:

Average throughput: 5.36 Mbit/s

95th percentile per-packet one-way delay: 40.766 ms

Loss rate: 2.33%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 09:30:28 +0000

End at: Sat, 01 Jul 2017 09:30:58 +0000

Local clock offset: -0.365 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:39:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.01 Mbit/s

95th percentile per-packet one-way delay: 40.047 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 41.78 Mbit/s

95th percentile per-packet one-way delay: 40.029 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 19.93 Mbit/s

95th percentile per-packet one-way delay: 40.044 ms

Loss rate: 1.61%

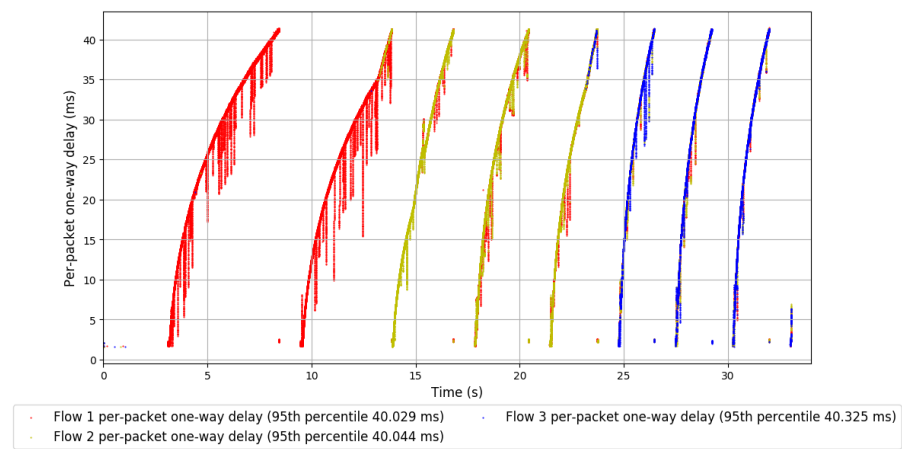
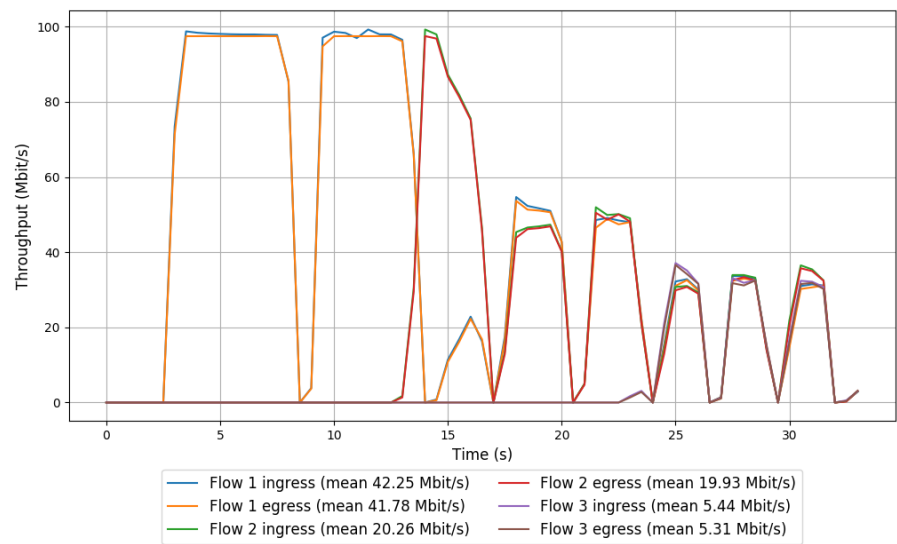
-- Flow 3:

Average throughput: 5.31 Mbit/s

95th percentile per-packet one-way delay: 40.325 ms

Loss rate: 2.33%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 09:47:25 +0000

End at: Sat, 01 Jul 2017 09:47:55 +0000

Local clock offset: -0.184 ms

Remote clock offset: 0.051 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:39:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.09 Mbit/s

95th percentile per-packet one-way delay: 40.183 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 41.43 Mbit/s

95th percentile per-packet one-way delay: 40.164 ms

Loss rate: 1.02%

-- Flow 2:

Average throughput: 20.24 Mbit/s

95th percentile per-packet one-way delay: 40.192 ms

Loss rate: 1.68%

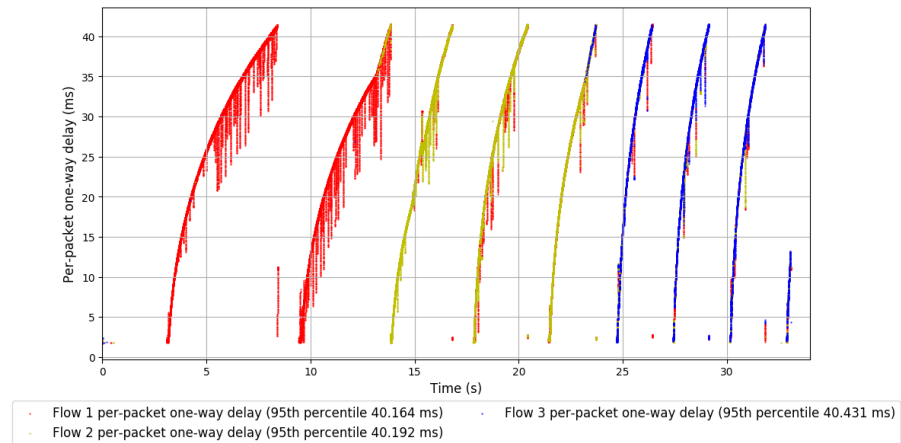
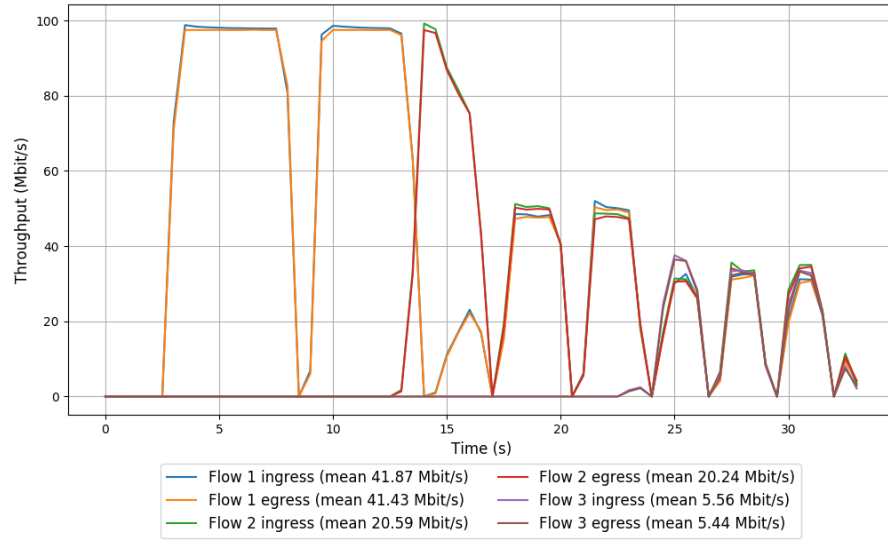
-- Flow 3:

Average throughput: 5.44 Mbit/s

95th percentile per-packet one-way delay: 40.431 ms

Loss rate: 2.28%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 10:04:31 +0000

End at: Sat, 01 Jul 2017 10:05:01 +0000

Local clock offset: 0.072 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:39:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.02 Mbit/s

95th percentile per-packet one-way delay: 40.468 ms

Loss rate: 1.35%

-- Flow 1:

Average throughput: 41.52 Mbit/s

95th percentile per-packet one-way delay: 40.456 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 20.02 Mbit/s

95th percentile per-packet one-way delay: 40.470 ms

Loss rate: 1.58%

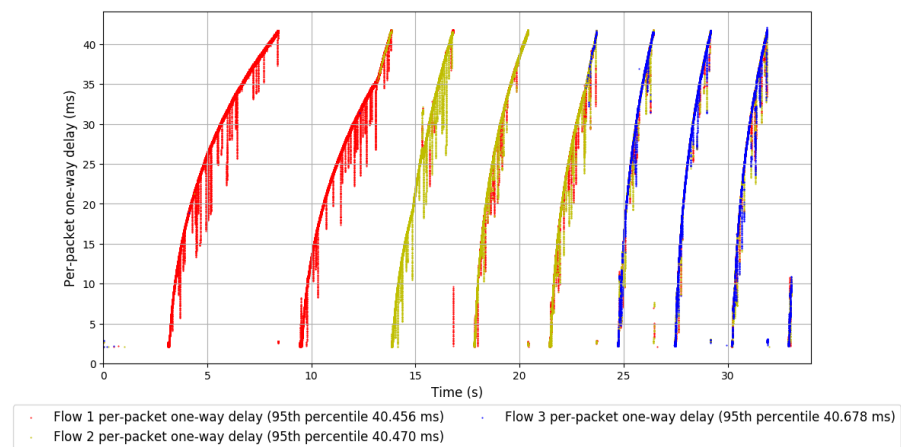
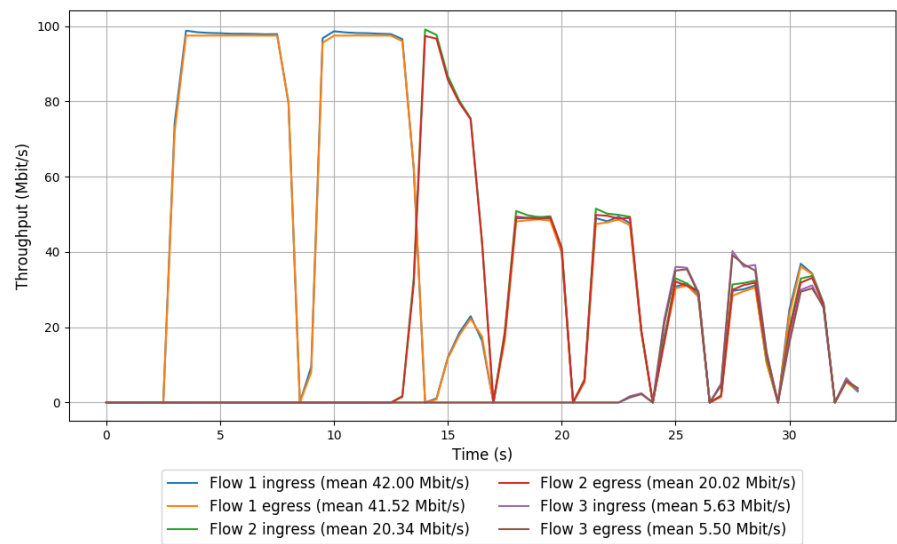
-- Flow 3:

Average throughput: 5.50 Mbit/s

95th percentile per-packet one-way delay: 40.678 ms

Loss rate: 2.28%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 10:21:37 +0000

End at: Sat, 01 Jul 2017 10:22:07 +0000

Local clock offset: 0.077 ms

Remote clock offset: 0.029 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:40:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.08 Mbit/s

95th percentile per-packet one-way delay: 40.494 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 41.78 Mbit/s

95th percentile per-packet one-way delay: 40.490 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 19.95 Mbit/s

95th percentile per-packet one-way delay: 40.483 ms

Loss rate: 1.61%

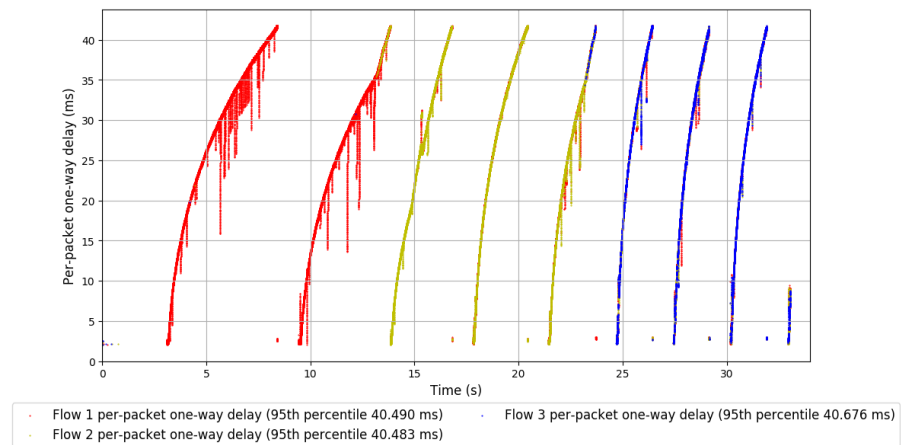
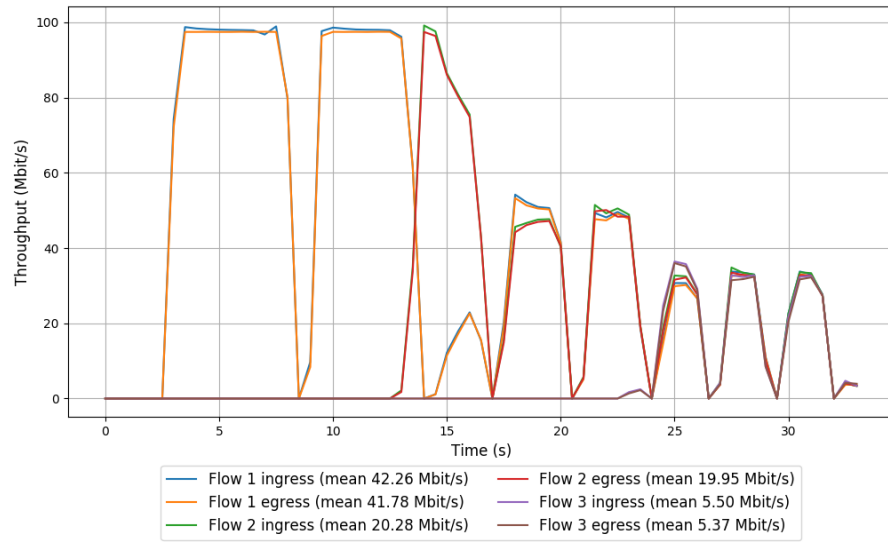
-- Flow 3:

Average throughput: 5.37 Mbit/s

95th percentile per-packet one-way delay: 40.676 ms

Loss rate: 2.35%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 10:38:41 +0000

End at: Sat, 01 Jul 2017 10:39:11 +0000

Local clock offset: 0.135 ms

Remote clock offset: -0.056 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:40:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.09 Mbit/s

95th percentile per-packet one-way delay: 40.621 ms

Loss rate: 1.34%

-- Flow 1:

Average throughput: 41.70 Mbit/s

95th percentile per-packet one-way delay: 40.623 ms

Loss rate: 1.07%

-- Flow 2:

Average throughput: 19.96 Mbit/s

95th percentile per-packet one-way delay: 40.601 ms

Loss rate: 1.61%

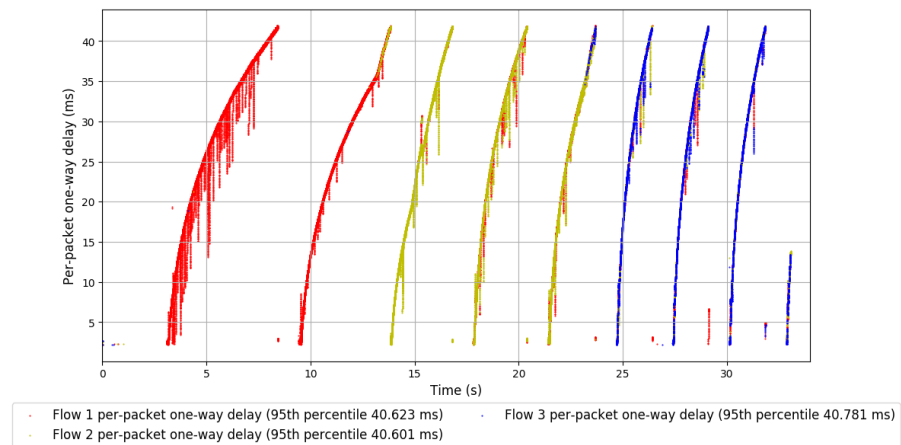
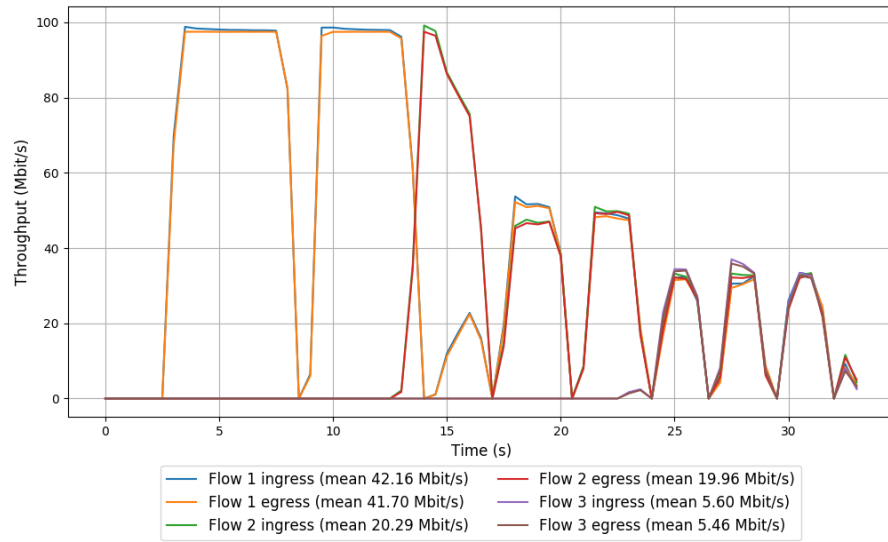
-- Flow 3:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 40.781 ms

Loss rate: 2.44%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 10:55:49 +0000

End at: Sat, 01 Jul 2017 10:56:19 +0000

Local clock offset: 0.082 ms

Remote clock offset: -0.033 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:40:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.11 Mbit/s

95th percentile per-packet one-way delay: 40.581 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 42.74 Mbit/s

95th percentile per-packet one-way delay: 40.569 ms

Loss rate: 1.12%

-- Flow 2:

Average throughput: 14.90 Mbit/s

95th percentile per-packet one-way delay: 40.725 ms

Loss rate: 2.00%

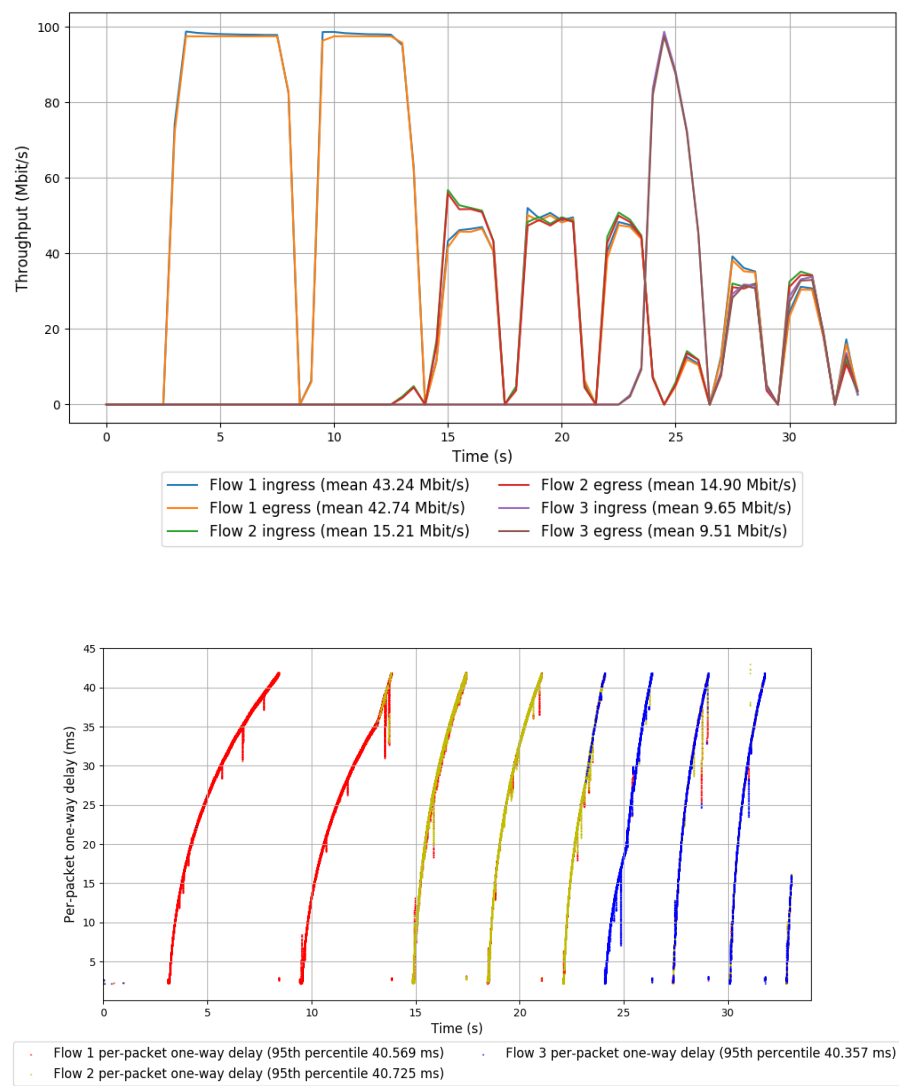
-- Flow 3:

Average throughput: 9.51 Mbit/s

95th percentile per-packet one-way delay: 40.357 ms

Loss rate: 1.47%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 11:12:56 +0000

End at: Sat, 01 Jul 2017 11:13:26 +0000

Local clock offset: 0.149 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:41:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.07 Mbit/s

95th percentile per-packet one-way delay: 40.498 ms

Loss rate: 1.31%

-- Flow 1:

Average throughput: 41.44 Mbit/s

95th percentile per-packet one-way delay: 40.510 ms

Loss rate: 1.16%

-- Flow 2:

Average throughput: 19.09 Mbit/s

95th percentile per-packet one-way delay: 40.531 ms

Loss rate: 1.57%

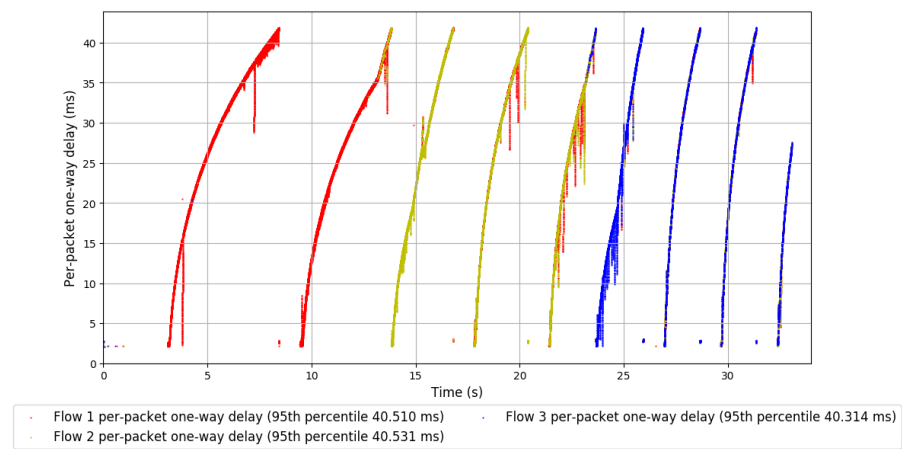
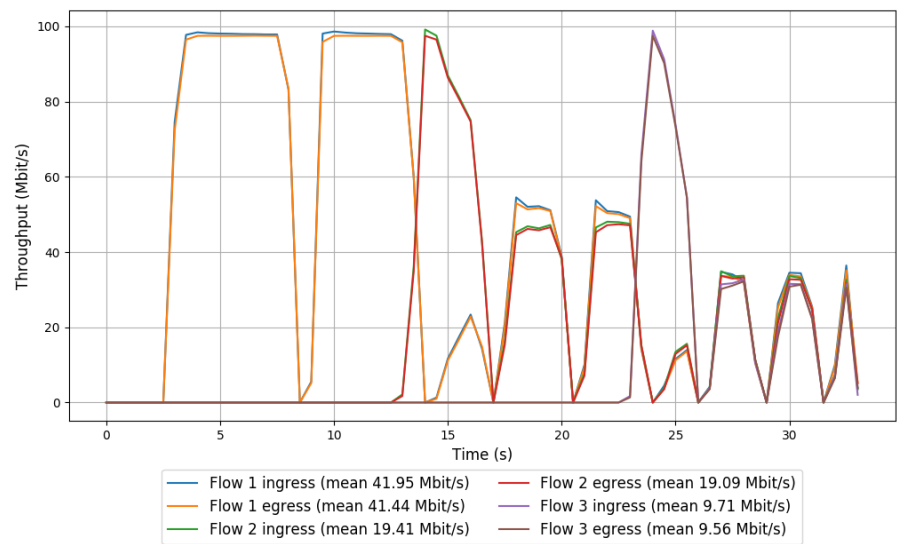
-- Flow 3:

Average throughput: 9.56 Mbit/s

95th percentile per-packet one-way delay: 40.314 ms

Loss rate: 1.46%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 11:30:02 +0000

End at: Sat, 01 Jul 2017 11:30:32 +0000

Local clock offset: 0.078 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:41:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.36 Mbit/s

95th percentile per-packet one-way delay: 40.223 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 44.66 Mbit/s

95th percentile per-packet one-way delay: 40.215 ms

Loss rate: 1.03%

-- Flow 2:

Average throughput: 17.71 Mbit/s

95th percentile per-packet one-way delay: 40.244 ms

Loss rate: 1.31%

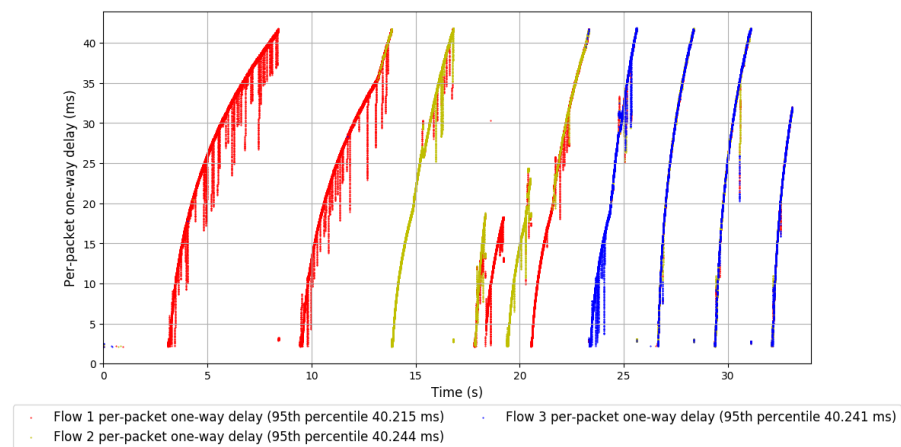
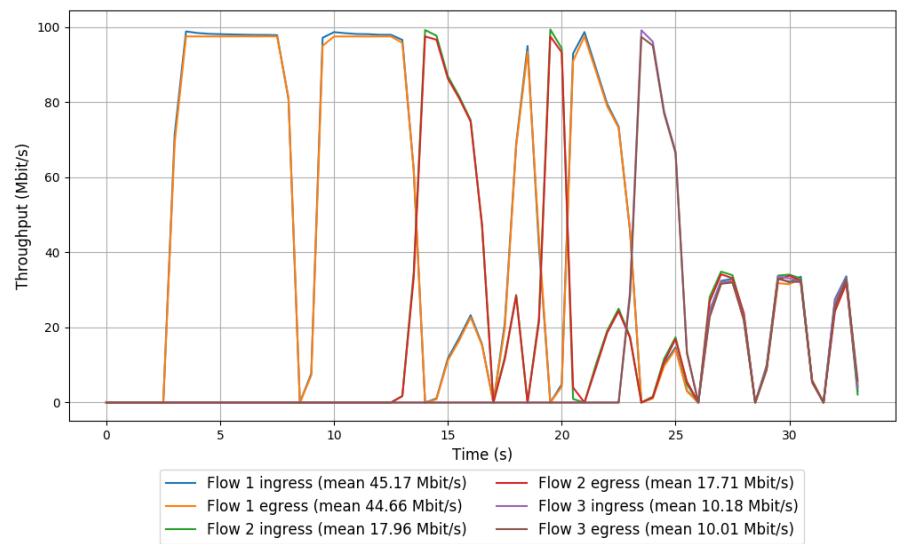
-- Flow 3:

Average throughput: 10.01 Mbit/s

95th percentile per-packet one-way delay: 40.241 ms

Loss rate: 1.57%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 11:47:12 +0000

End at: Sat, 01 Jul 2017 11:47:42 +0000

Local clock offset: -0.229 ms

Remote clock offset: 0.139 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:41:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.15 Mbit/s

95th percentile per-packet one-way delay: 40.097 ms

Loss rate: 1.36%

-- Flow 1:

Average throughput: 41.48 Mbit/s

95th percentile per-packet one-way delay: 40.087 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 20.13 Mbit/s

95th percentile per-packet one-way delay: 40.086 ms

Loss rate: 1.57%

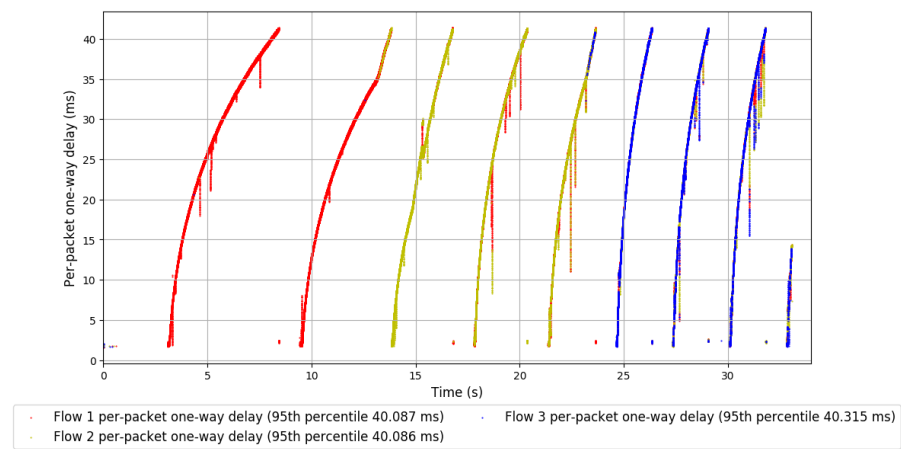
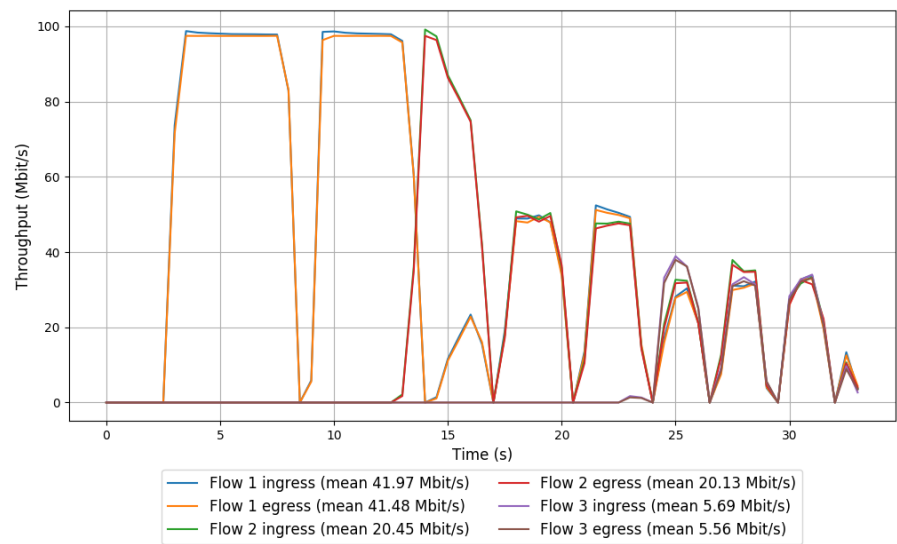
-- Flow 3:

Average throughput: 5.56 Mbit/s

95th percentile per-packet one-way delay: 40.315 ms

Loss rate: 2.26%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sat, 01 Jul 2017 09:16:58 +0000

End at: Sat, 01 Jul 2017 09:17:28 +0000

Local clock offset: -0.052 ms

Remote clock offset: -0.05 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:41:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.01 Mbit/s

95th percentile per-packet one-way delay: 5.334 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.46 Mbit/s

95th percentile per-packet one-way delay: 5.377 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.80 Mbit/s

95th percentile per-packet one-way delay: 4.041 ms

Loss rate: 0.00%

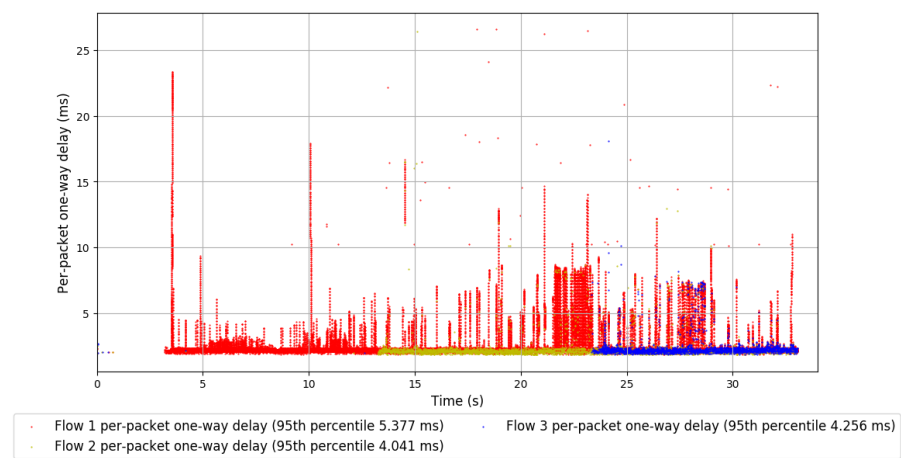
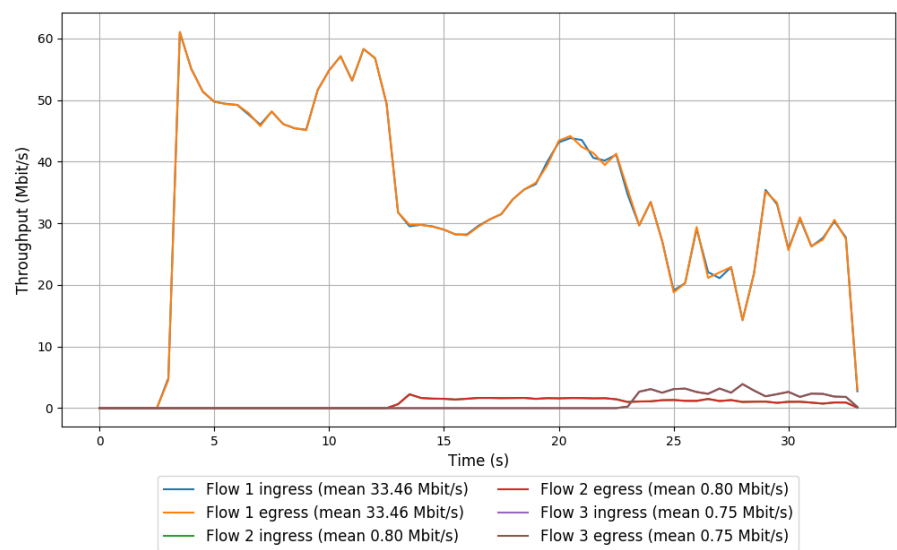
-- Flow 3:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 4.256 ms

Loss rate: 0.00%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sat, 01 Jul 2017 09:33:49 +0000

End at: Sat, 01 Jul 2017 09:34:19 +0000

Local clock offset: -0.356 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:42:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.70 Mbit/s

95th percentile per-packet one-way delay: 5.123 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.22 Mbit/s

95th percentile per-packet one-way delay: 5.094 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 5.053 ms

Loss rate: 0.00%

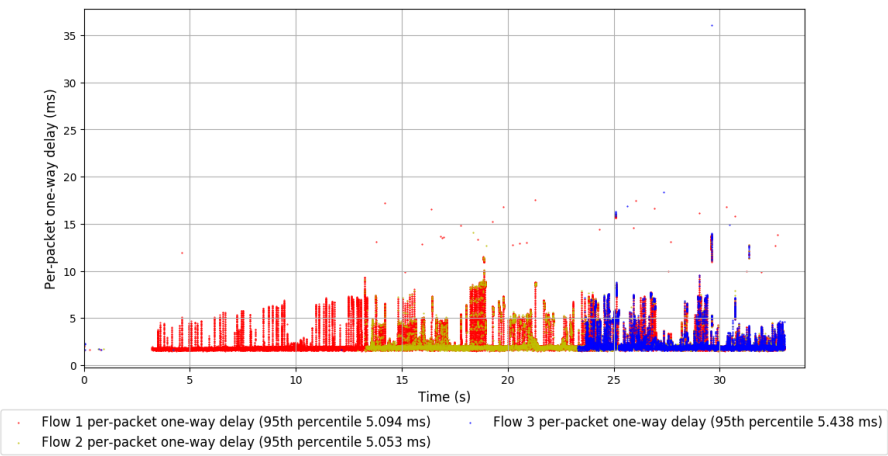
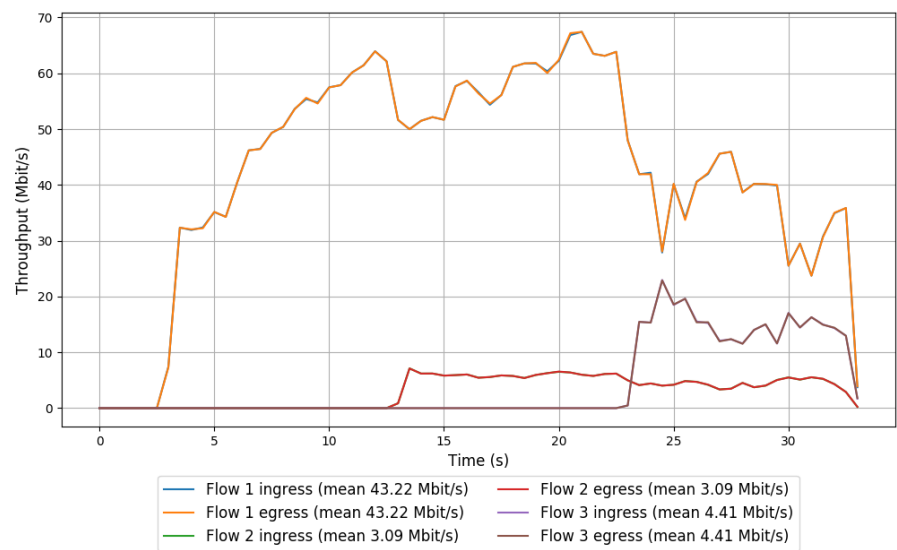
-- Flow 3:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 5.438 ms

Loss rate: 0.00%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sat, 01 Jul 2017 09:50:45 +0000

End at: Sat, 01 Jul 2017 09:51:15 +0000

Local clock offset: -0.099 ms

Remote clock offset: 0.113 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:42:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 28.651 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 51.65 Mbit/s

95th percentile per-packet one-way delay: 29.298 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 30.516 ms

Loss rate: 0.72%

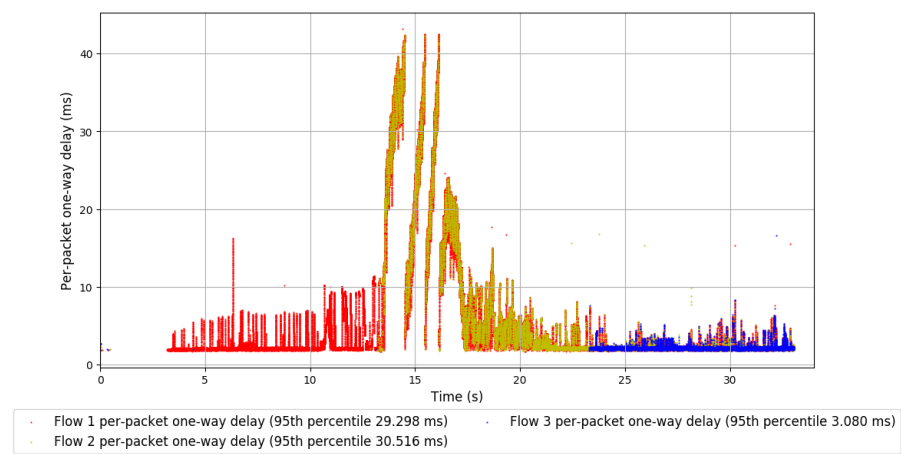
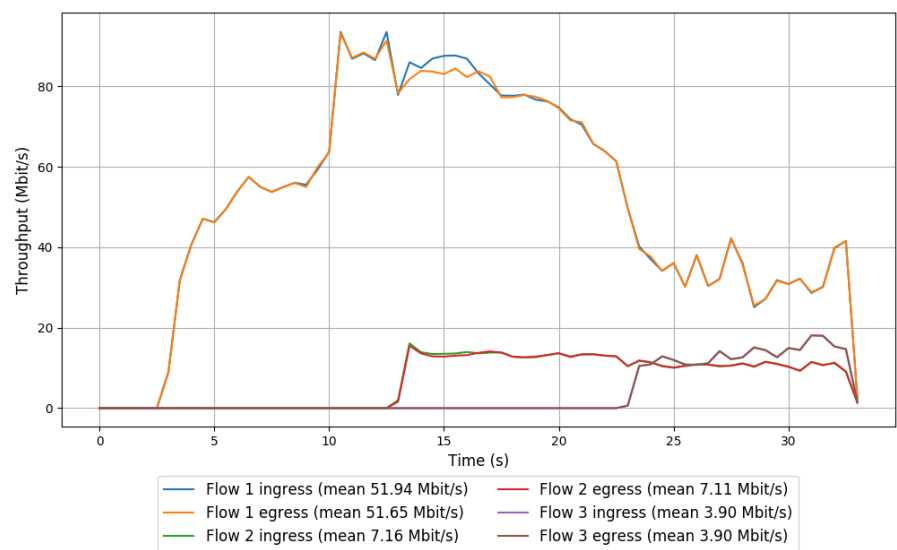
-- Flow 3:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 3.080 ms

Loss rate: 0.00%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sat, 01 Jul 2017 10:07:52 +0000

End at: Sat, 01 Jul 2017 10:08:22 +0000

Local clock offset: 0.08 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:42:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.06 Mbit/s

95th percentile per-packet one-way delay: 9.444 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 44.30 Mbit/s

95th percentile per-packet one-way delay: 8.680 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.46 Mbit/s

95th percentile per-packet one-way delay: 10.097 ms

Loss rate: 0.00%

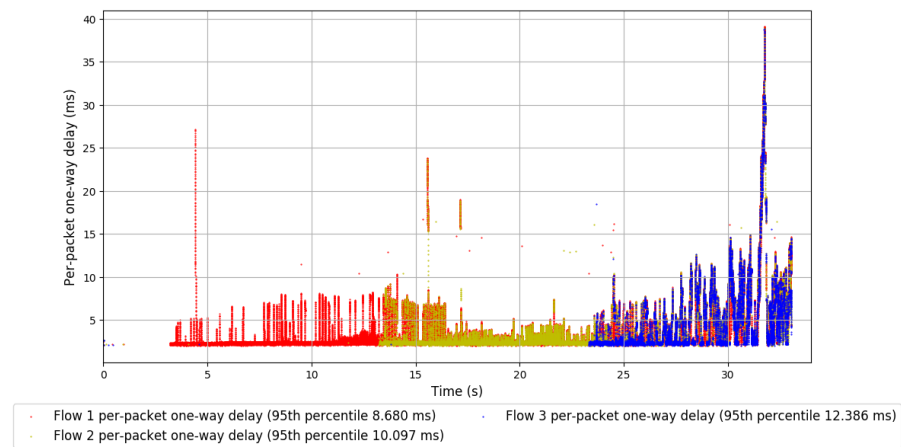
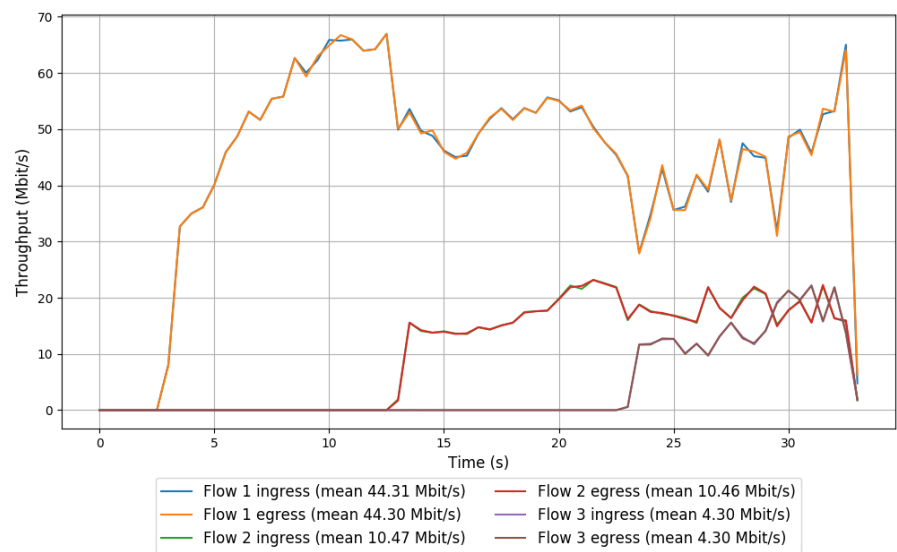
-- Flow 3:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 12.386 ms

Loss rate: 0.00%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sat, 01 Jul 2017 10:24:57 +0000

End at: Sat, 01 Jul 2017 10:25:27 +0000

Local clock offset: -0.013 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:43:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.95 Mbit/s

95th percentile per-packet one-way delay: 8.604 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.19 Mbit/s

95th percentile per-packet one-way delay: 8.723 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 6.091 ms

Loss rate: 0.01%

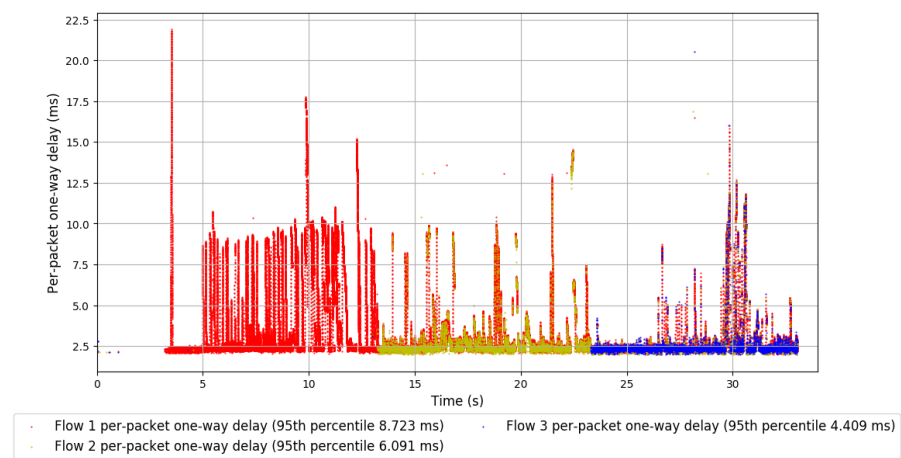
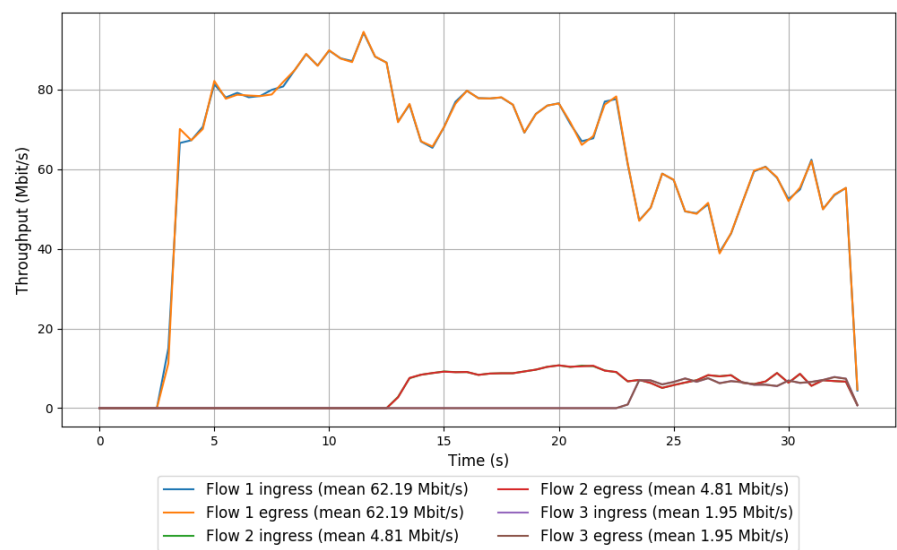
-- Flow 3:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 4.409 ms

Loss rate: 0.00%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sat, 01 Jul 2017 10:42:01 +0000

End at: Sat, 01 Jul 2017 10:42:31 +0000

Local clock offset: 0.109 ms

Remote clock offset: -0.048 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:43:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.65 Mbit/s

95th percentile per-packet one-way delay: 8.947 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 61.90 Mbit/s

95th percentile per-packet one-way delay: 9.033 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 4.44 Mbit/s

95th percentile per-packet one-way delay: 8.360 ms

Loss rate: 0.00%

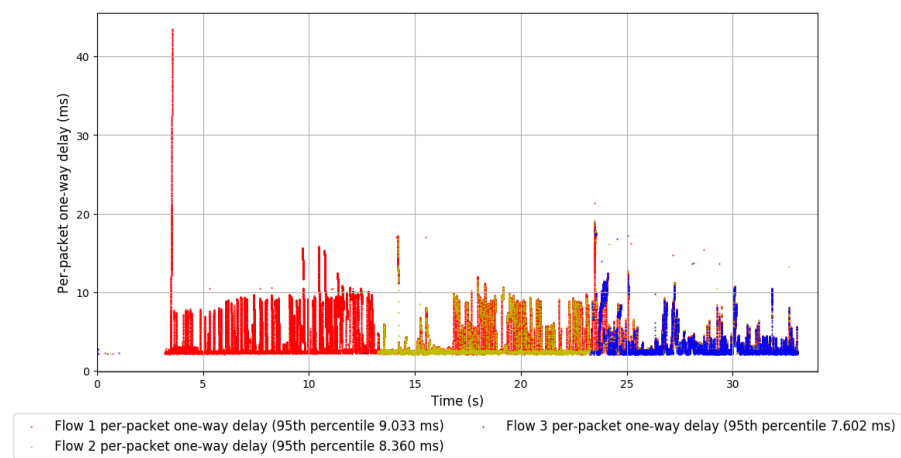
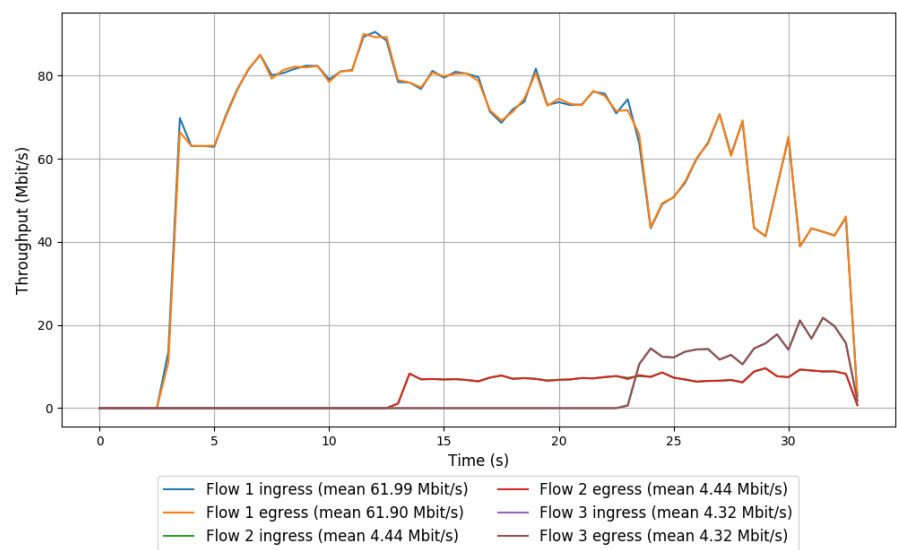
-- Flow 3:

Average throughput: 4.32 Mbit/s

95th percentile per-packet one-way delay: 7.602 ms

Loss rate: 0.02%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sat, 01 Jul 2017 10:59:10 +0000

End at: Sat, 01 Jul 2017 10:59:40 +0000

Local clock offset: 0.152 ms

Remote clock offset: -0.089 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:43:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.46 Mbit/s

95th percentile per-packet one-way delay: 10.447 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 68.00 Mbit/s

95th percentile per-packet one-way delay: 10.423 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.47 Mbit/s

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

Loss rate: 0.00%

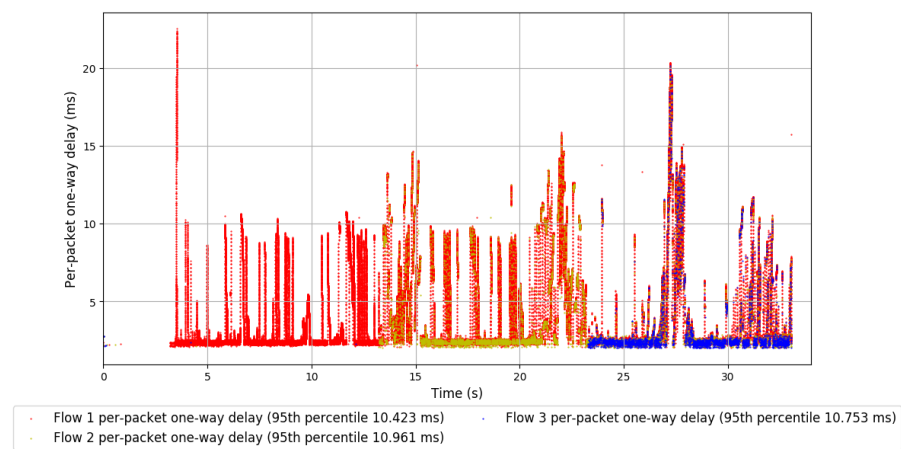
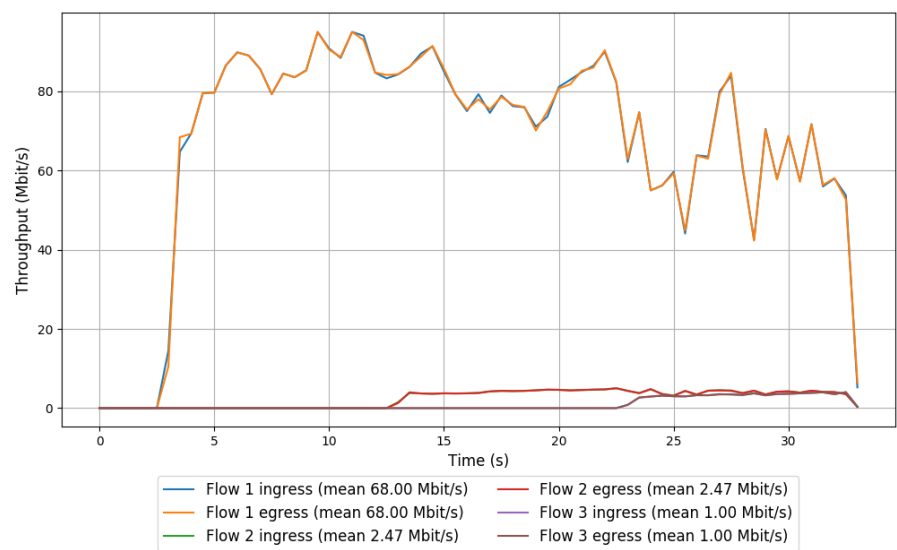
-- Flow 3:

Average throughput: 1.00 Mbit/s

95th percentile per-packet one-way delay: 10.753 ms

Loss rate: 0.00%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sat, 01 Jul 2017 11:16:17 +0000

End at: Sat, 01 Jul 2017 11:16:47 +0000

Local clock offset: 0.088 ms

Remote clock offset: -0.037 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:44:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.00 Mbit/s

95th percentile per-packet one-way delay: 8.836 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.79 Mbit/s

95th percentile per-packet one-way delay: 8.915 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.53 Mbit/s

95th percentile per-packet one-way delay: 8.807 ms

Loss rate: 0.01%

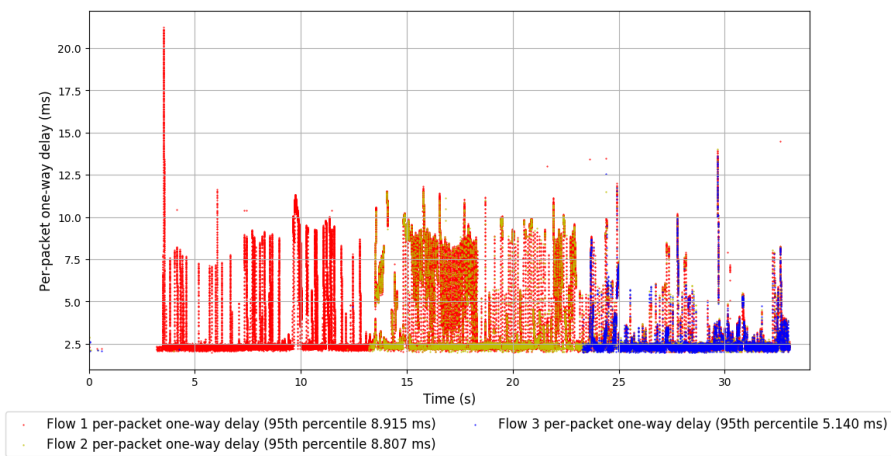
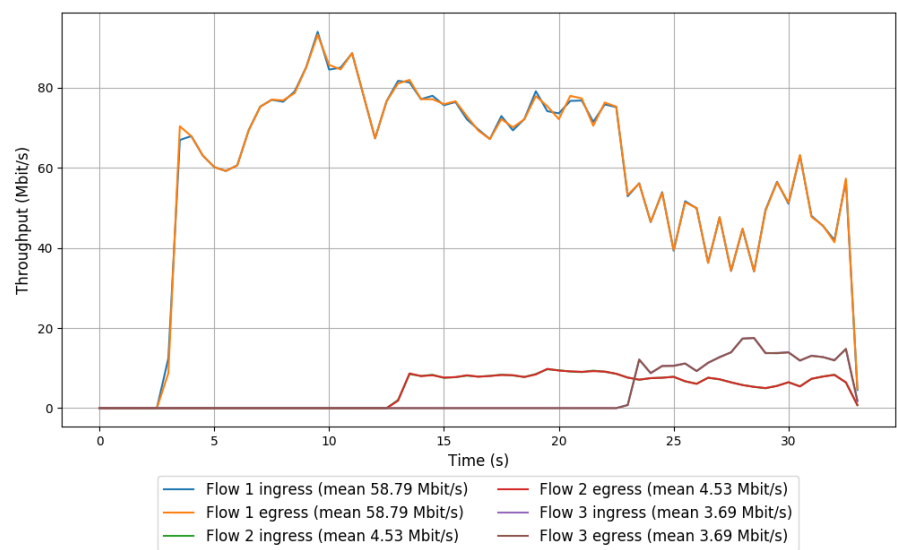
-- Flow 3:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 5.140 ms

Loss rate: 0.00%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sat, 01 Jul 2017 11:33:23 +0000

End at: Sat, 01 Jul 2017 11:33:53 +0000

Local clock offset: 0.005 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:44:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.58 Mbit/s

95th percentile per-packet one-way delay: 9.724 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 63.76 Mbit/s

95th percentile per-packet one-way delay: 9.717 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.30 Mbit/s

95th percentile per-packet one-way delay: 9.748 ms

Loss rate: 0.00%

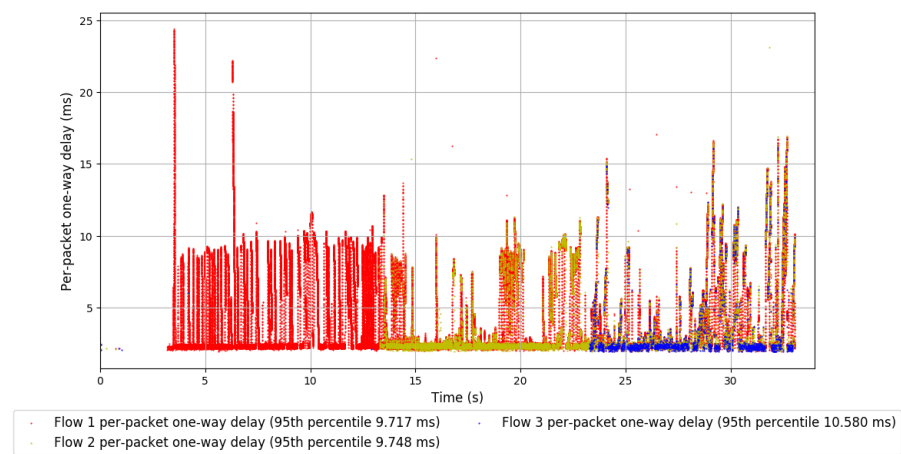
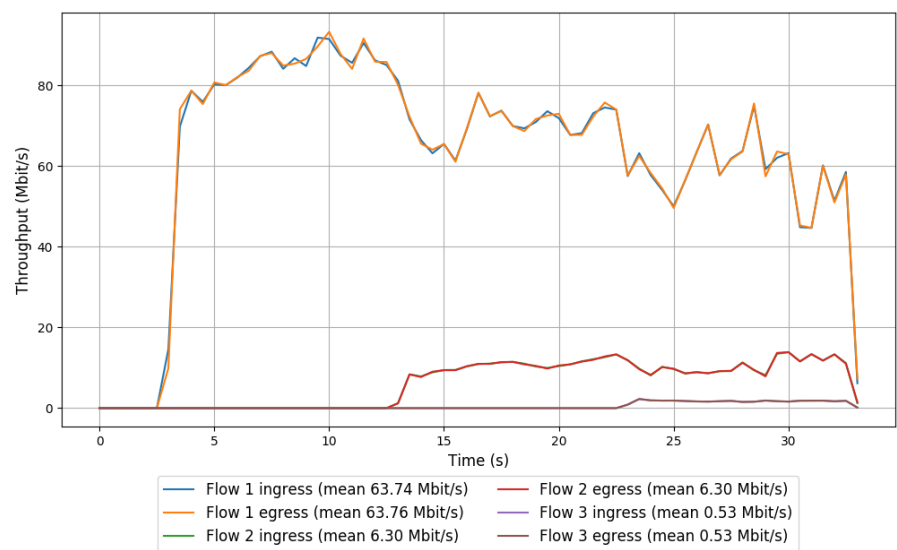
-- Flow 3:

Average throughput: 0.53 Mbit/s

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

Loss rate: 0.00%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sat, 01 Jul 2017 11:50:32 +0000

End at: Sat, 01 Jul 2017 11:51:02 +0000

Local clock offset: -0.367 ms

Remote clock offset: 0.103 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:44:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.33 Mbit/s

95th percentile per-packet one-way delay: 7.581 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 62.92 Mbit/s

95th percentile per-packet one-way delay: 7.636 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 6.373 ms

Loss rate: 0.00%

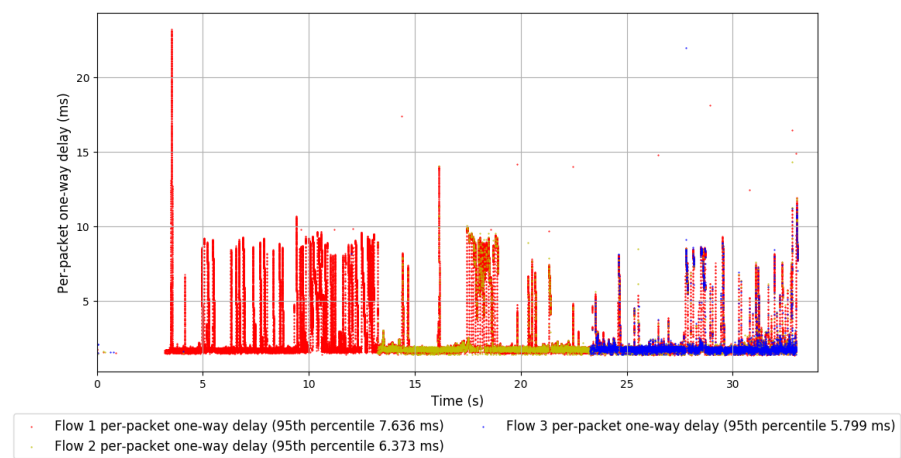
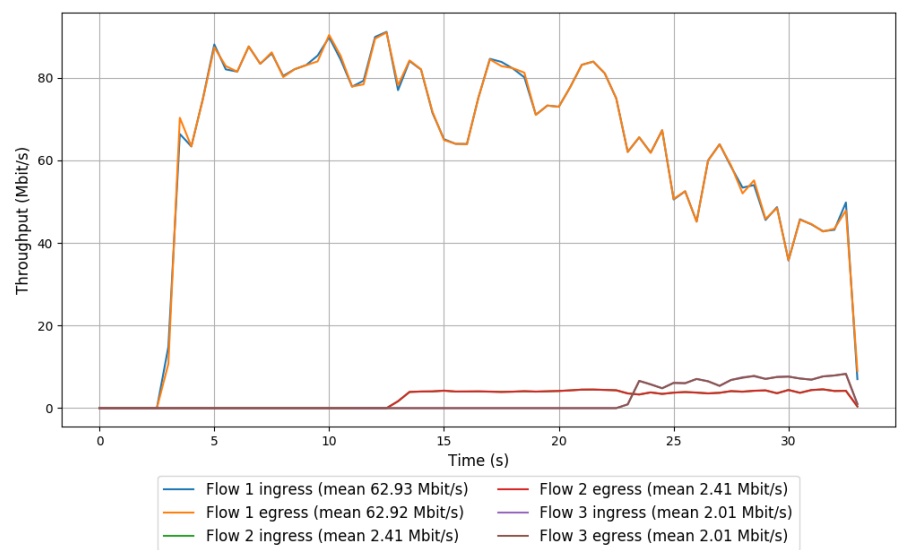
-- Flow 3:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 5.799 ms

Loss rate: 0.00%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 09:12:31 +0000

End at: Sat, 01 Jul 2017 09:13:01 +0000

Local clock offset: 0.091 ms

Remote clock offset: -0.108 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:44:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.08 Mbit/s

95th percentile per-packet one-way delay: 3.060 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 15.85 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.03 Mbit/s

95th percentile per-packet one-way delay: 3.223 ms

Loss rate: 0.00%

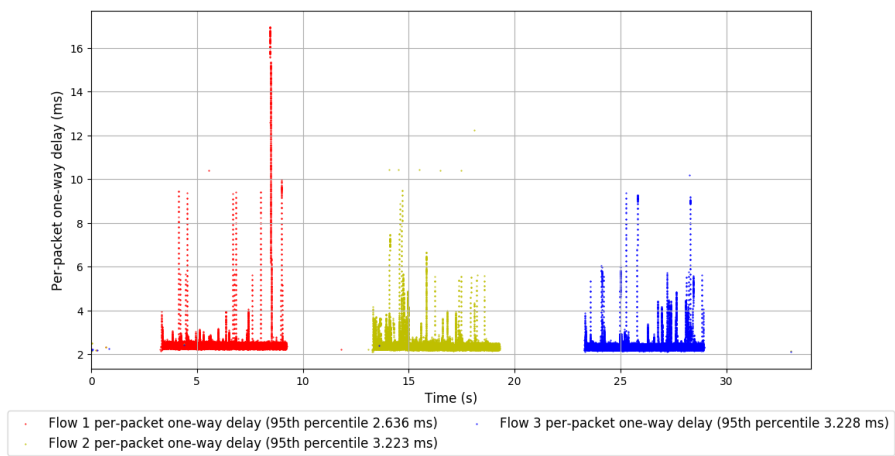
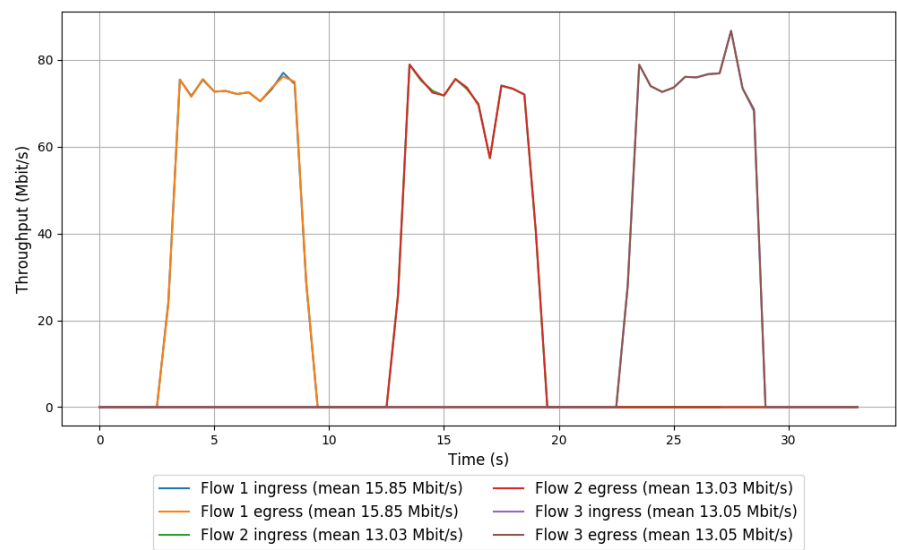
-- Flow 3:

Average throughput: 13.05 Mbit/s

95th percentile per-packet one-way delay: 3.228 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic (toy) — Data Link



Run 2: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 09:29:22 +0000

End at: Sat, 01 Jul 2017 09:29:52 +0000

Local clock offset: -0.364 ms

Remote clock offset: -0.002 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:45:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.37 Mbit/s

95th percentile per-packet one-way delay: 4.239 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 14.47 Mbit/s

95th percentile per-packet one-way delay: 3.374 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.12 Mbit/s

95th percentile per-packet one-way delay: 3.980 ms

Loss rate: 0.00%

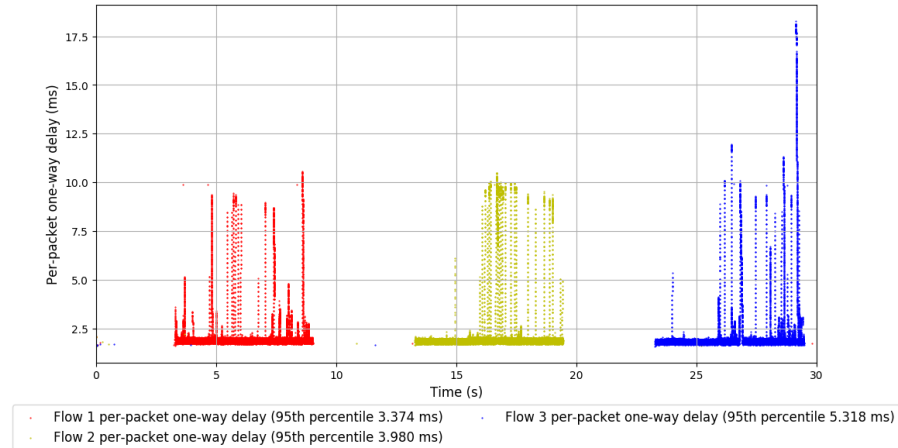
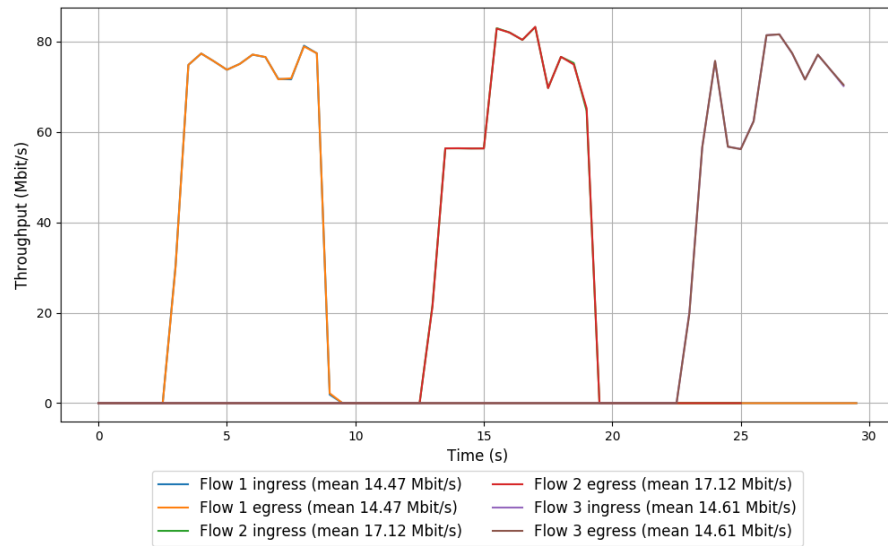
-- Flow 3:

Average throughput: 14.61 Mbit/s

95th percentile per-packet one-way delay: 5.318 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic (toy) — Data Link



Run 3: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 09:46:18 +0000

End at: Sat, 01 Jul 2017 09:46:48 +0000

Local clock offset: -0.142 ms

Remote clock offset: 0.087 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:45:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.20 Mbit/s

95th percentile per-packet one-way delay: 5.766 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.72 Mbit/s

95th percentile per-packet one-way delay: 8.000 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.81 Mbit/s

95th percentile per-packet one-way delay: 3.517 ms

Loss rate: 0.00%

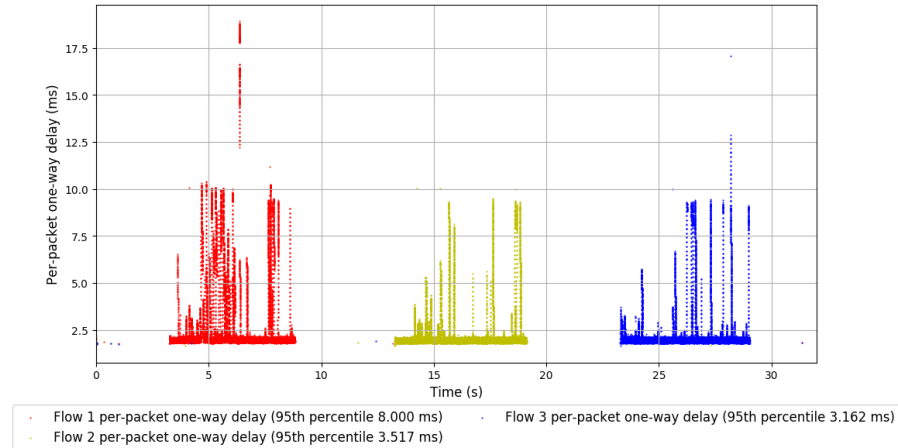
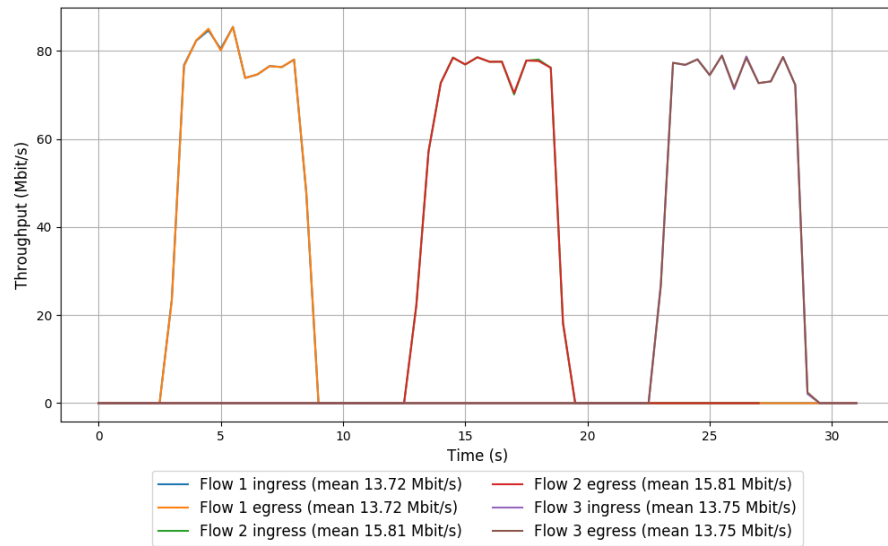
-- Flow 3:

Average throughput: 13.75 Mbit/s

95th percentile per-packet one-way delay: 3.162 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic (toy) — Data Link



Run 4: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 10:03:25 +0000

End at: Sat, 01 Jul 2017 10:03:55 +0000

Local clock offset: 0.077 ms

Remote clock offset: -0.02 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:45:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.36 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.99 Mbit/s

95th percentile per-packet one-way delay: 8.870 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.83 Mbit/s

95th percentile per-packet one-way delay: 6.507 ms

Loss rate: 0.00%

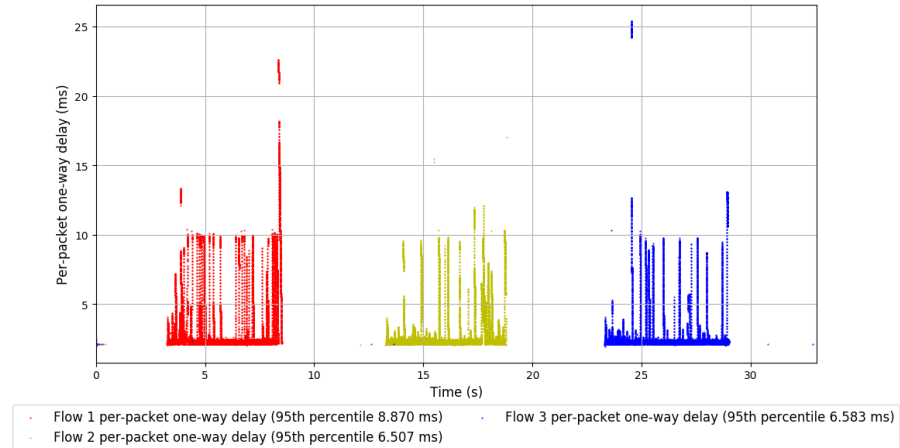
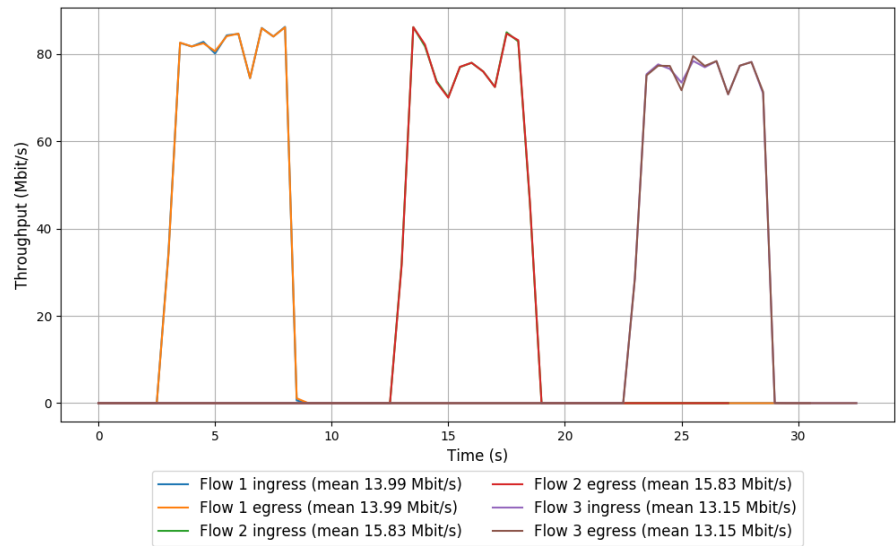
-- Flow 3:

Average throughput: 13.15 Mbit/s

95th percentile per-packet one-way delay: 6.583 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic (toy) — Data Link



Run 5: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 10:20:30 +0000

End at: Sat, 01 Jul 2017 10:21:00 +0000

Local clock offset: 0.026 ms

Remote clock offset: -0.008 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:45:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.05 Mbit/s

95th percentile per-packet one-way delay: 7.023 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.68 Mbit/s

95th percentile per-packet one-way delay: 5.184 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.70 Mbit/s

95th percentile per-packet one-way delay: 7.497 ms

Loss rate: 0.00%

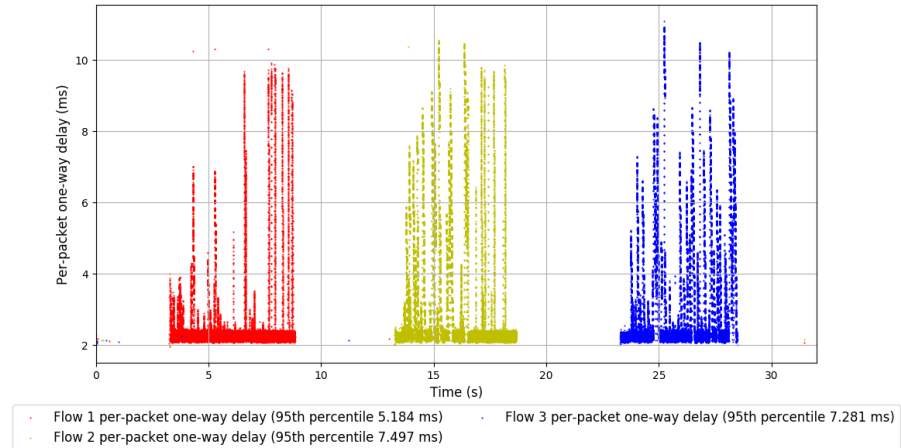
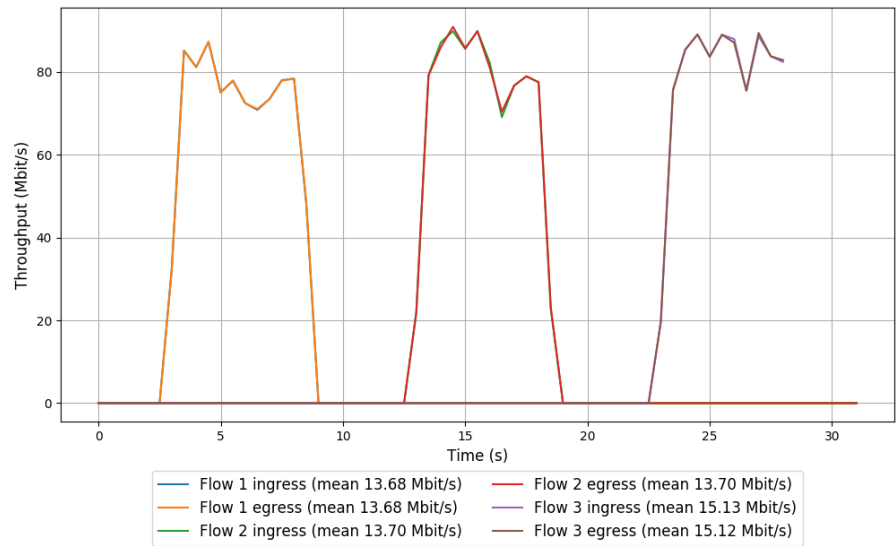
-- Flow 3:

Average throughput: 15.12 Mbit/s

95th percentile per-packet one-way delay: 7.281 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic (toy) — Data Link



Run 6: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 10:37:34 +0000

End at: Sat, 01 Jul 2017 10:38:04 +0000

Local clock offset: 0.12 ms

Remote clock offset: -0.057 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:45:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.21 Mbit/s

95th percentile per-packet one-way delay: 6.834 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 15.22 Mbit/s

95th percentile per-packet one-way delay: 6.072 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.71 Mbit/s

95th percentile per-packet one-way delay: 8.053 ms

Loss rate: 0.00%

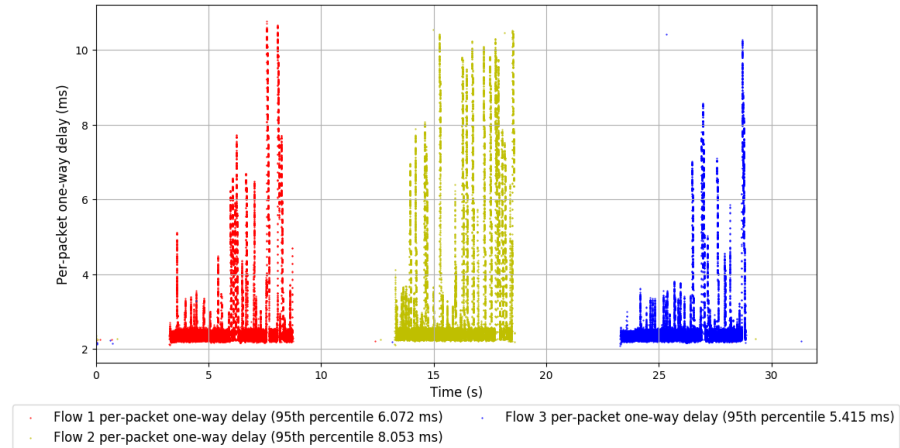
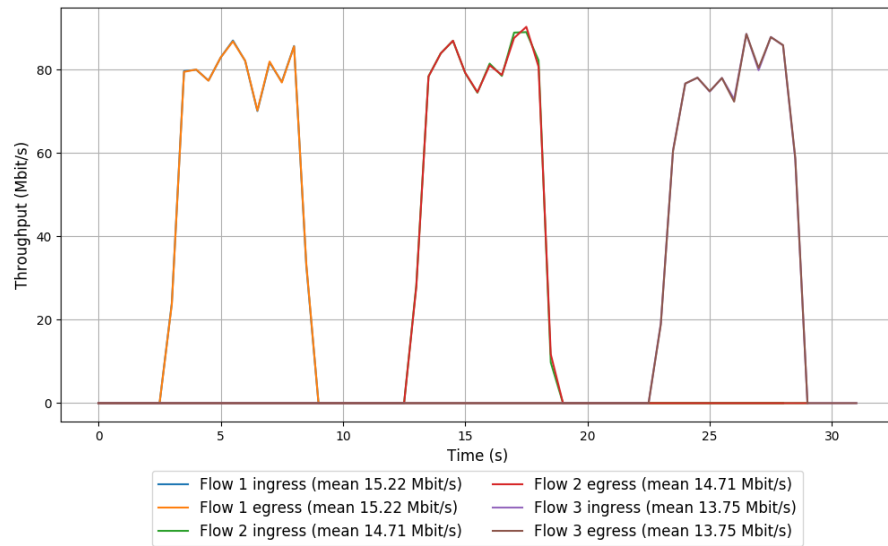
-- Flow 3:

Average throughput: 13.75 Mbit/s

95th percentile per-packet one-way delay: 5.415 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic (toy) — Data Link



Run 7: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 10:54:43 +0000

End at: Sat, 01 Jul 2017 10:55:13 +0000

Local clock offset: 0.106 ms

Remote clock offset: -0.039 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:46:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.51 Mbit/s

95th percentile per-packet one-way delay: 9.499 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.84 Mbit/s

95th percentile per-packet one-way delay: 8.698 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.40 Mbit/s

95th percentile per-packet one-way delay: 9.606 ms

Loss rate: 0.00%

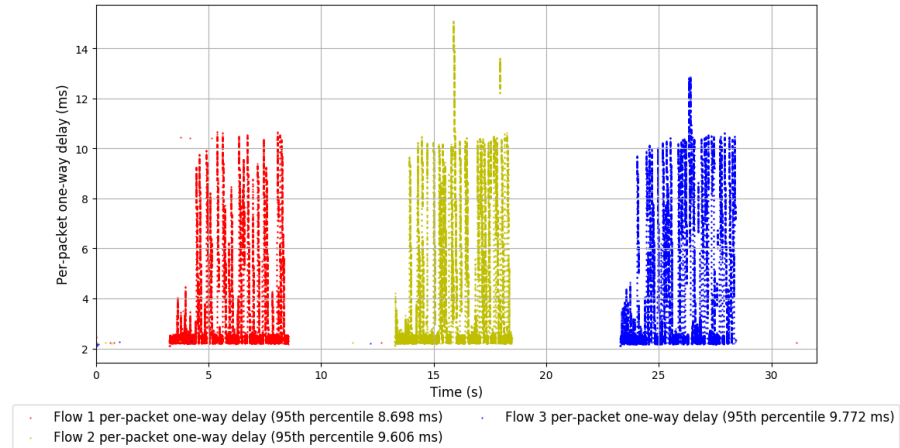
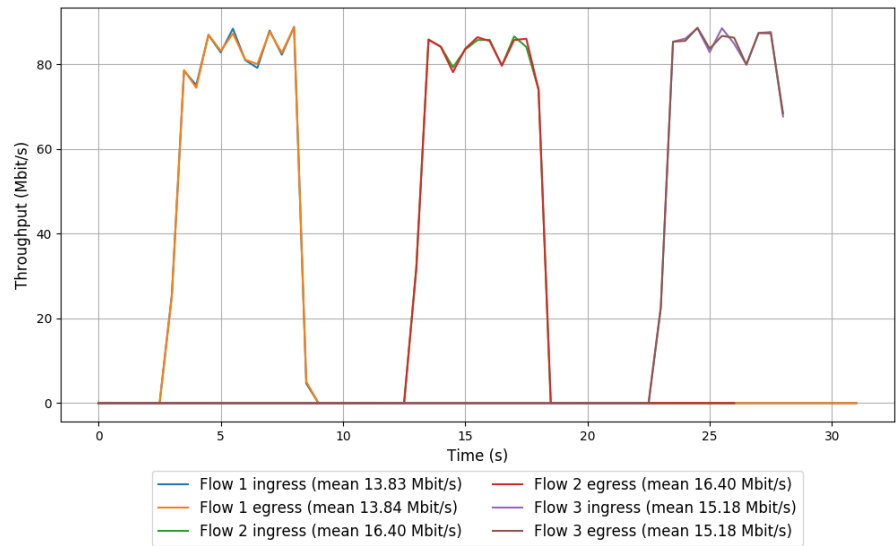
-- Flow 3:

Average throughput: 15.18 Mbit/s

95th percentile per-packet one-way delay: 9.772 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic (toy) — Data Link



Run 8: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 11:11:49 +0000

End at: Sat, 01 Jul 2017 11:12:19 +0000

Local clock offset: 0.14 ms

Remote clock offset: -0.062 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:46:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.43 Mbit/s

95th percentile per-packet one-way delay: 8.459 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 15.43 Mbit/s

95th percentile per-packet one-way delay: 7.766 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.16 Mbit/s

95th percentile per-packet one-way delay: 8.979 ms

Loss rate: 0.00%

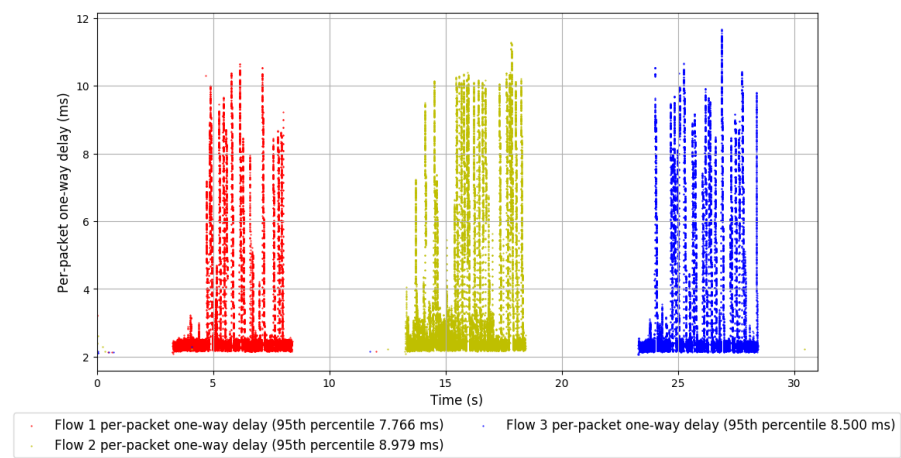
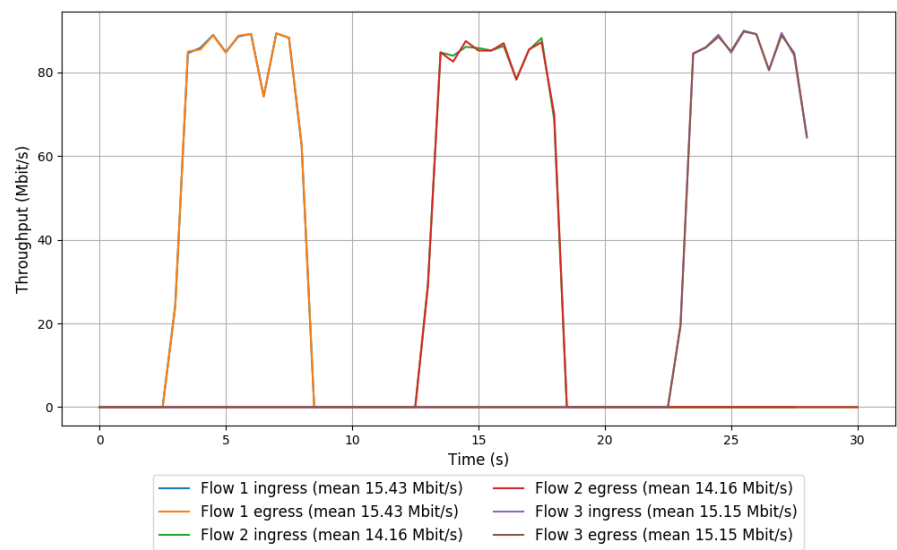
-- Flow 3:

Average throughput: 15.15 Mbit/s

95th percentile per-packet one-way delay: 8.500 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic (toy) — Data Link



Run 9: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 11:28:56 +0000

End at: Sat, 01 Jul 2017 11:29:26 +0000

Local clock offset: 0.114 ms

Remote clock offset: 0.006 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:46:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.07 Mbit/s

95th percentile per-packet one-way delay: 7.868 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 16.33 Mbit/s

95th percentile per-packet one-way delay: 7.864 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 3.377 ms

Loss rate: 0.00%

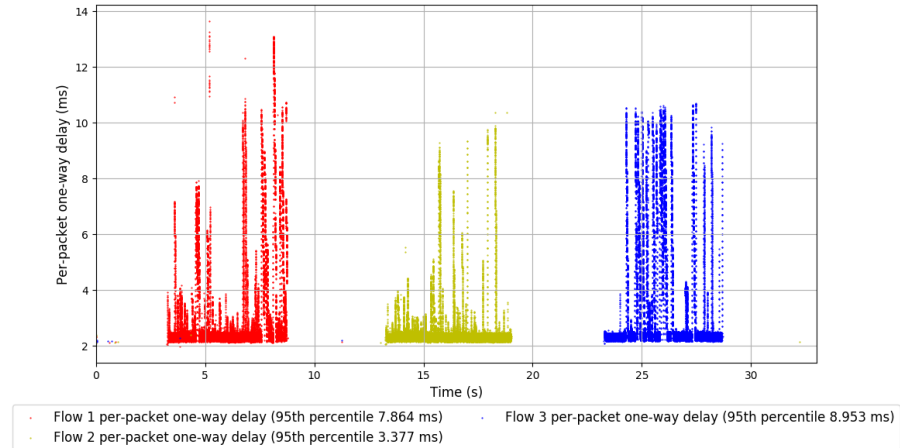
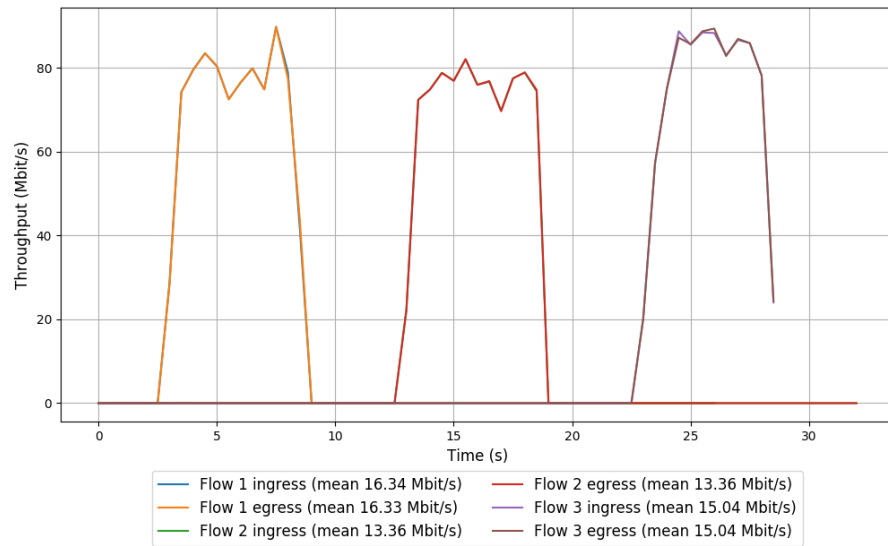
-- Flow 3:

Average throughput: 15.04 Mbit/s

95th percentile per-packet one-way delay: 8.953 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic (toy) — Data Link



Run 10: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 11:46:06 +0000

End at: Sat, 01 Jul 2017 11:46:36 +0000

Local clock offset: -0.126 ms

Remote clock offset: 0.027 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:46:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.12 Mbit/s

95th percentile per-packet one-way delay: 8.224 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 15.12 Mbit/s

95th percentile per-packet one-way delay: 7.906 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.72 Mbit/s

95th percentile per-packet one-way delay: 8.568 ms

Loss rate: 0.00%

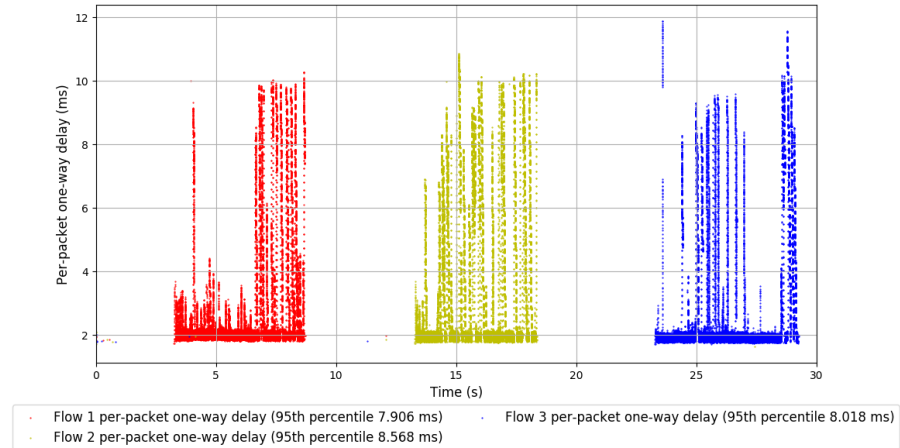
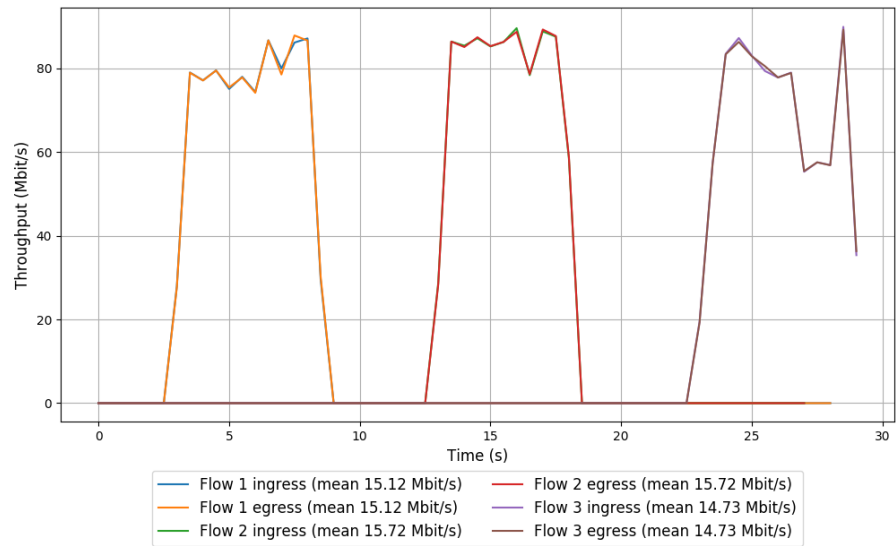
-- Flow 3:

Average throughput: 14.73 Mbit/s

95th percentile per-packet one-way delay: 8.018 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic (toy) — Data Link



Run 1: Statistics of Saturator

Start at: Sat, 01 Jul 2017 09:22:33 +0000

End at: Sat, 01 Jul 2017 09:23:03 +0000

Local clock offset: -0.228 ms

Remote clock offset: -0.092 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:47:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 22.500 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 33.62 Mbit/s

95th percentile per-packet one-way delay: 22.518 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 32.98 Mbit/s

95th percentile per-packet one-way delay: 22.478 ms

Loss rate: 0.88%

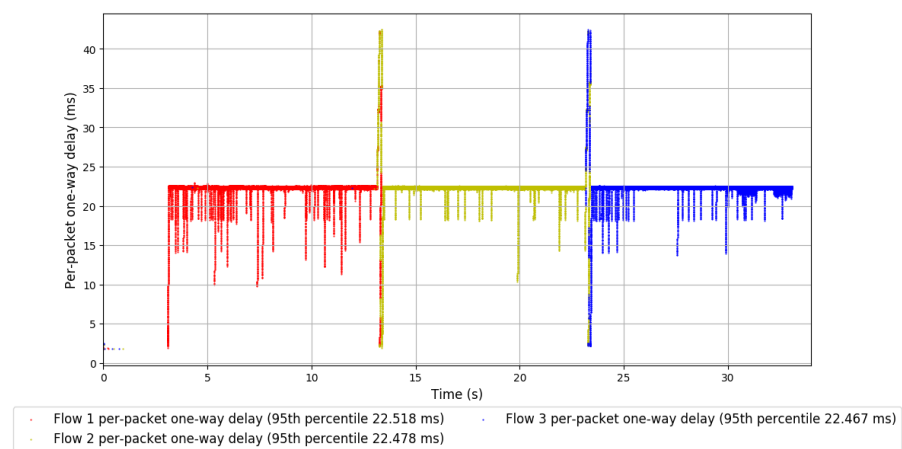
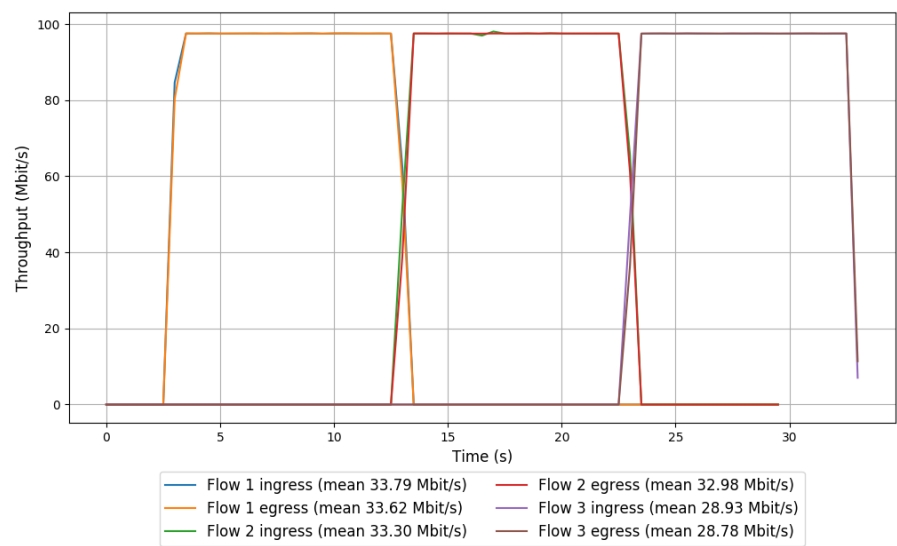
-- Flow 3:

Average throughput: 28.78 Mbit/s

95th percentile per-packet one-way delay: 22.467 ms

Loss rate: 0.45%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sat, 01 Jul 2017 09:39:29 +0000

End at: Sat, 01 Jul 2017 09:39:59 +0000

Local clock offset: -0.227 ms

Remote clock offset: -0.001 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:47:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 22.414 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 35.70 Mbit/s

95th percentile per-packet one-way delay: 22.413 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 31.26 Mbit/s

95th percentile per-packet one-way delay: 22.397 ms

Loss rate: 0.88%

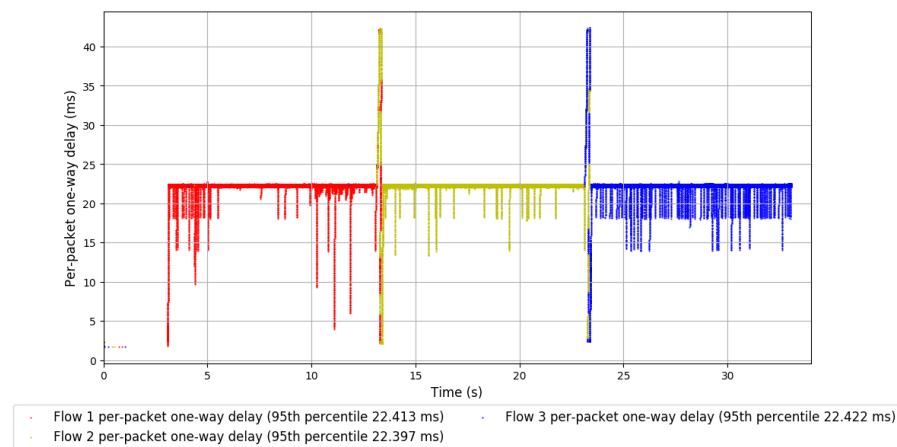
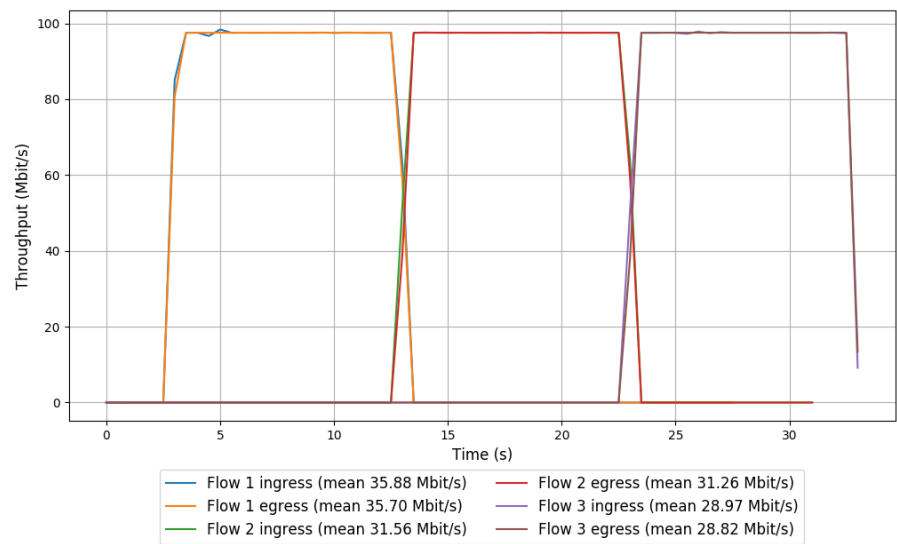
-- Flow 3:

Average throughput: 28.82 Mbit/s

95th percentile per-packet one-way delay: 22.422 ms

Loss rate: 0.45%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sat, 01 Jul 2017 09:56:30 +0000

End at: Sat, 01 Jul 2017 09:57:00 +0000

Local clock offset: -0.039 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:47:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.39 Mbit/s

95th percentile per-packet one-way delay: 22.665 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 31.31 Mbit/s

95th percentile per-packet one-way delay: 22.679 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 30.76 Mbit/s

95th percentile per-packet one-way delay: 22.653 ms

Loss rate: 0.88%

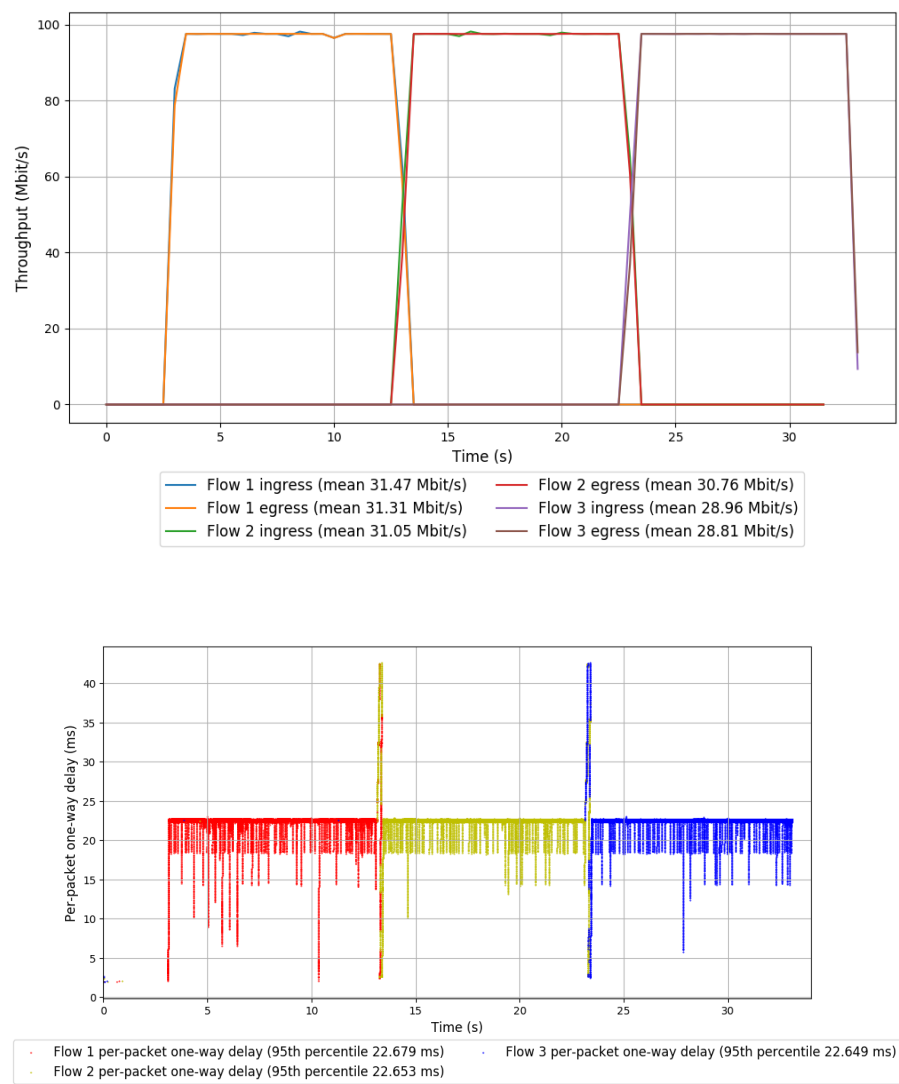
-- Flow 3:

Average throughput: 28.81 Mbit/s

95th percentile per-packet one-way delay: 22.649 ms

Loss rate: 0.45%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sat, 01 Jul 2017 10:13:35 +0000

End at: Sat, 01 Jul 2017 10:14:05 +0000

Local clock offset: 0.08 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:48:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 22.770 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 32.57 Mbit/s

95th percentile per-packet one-way delay: 22.775 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 32.41 Mbit/s

95th percentile per-packet one-way delay: 22.747 ms

Loss rate: 1.53%

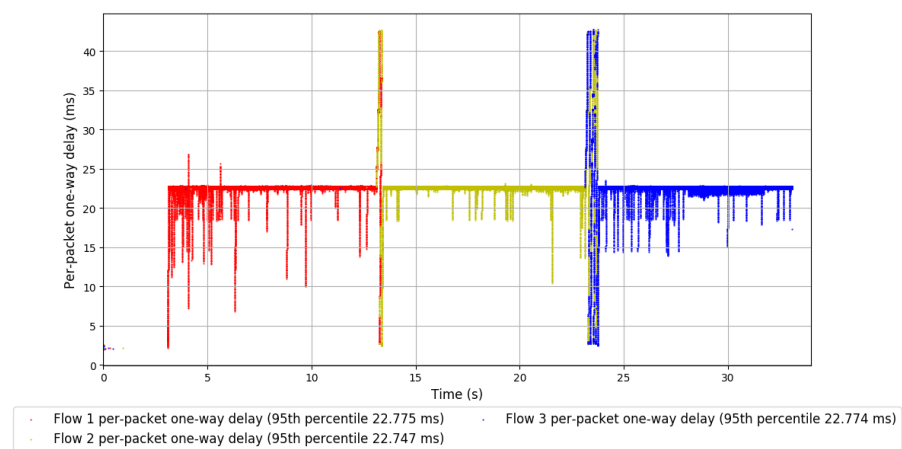
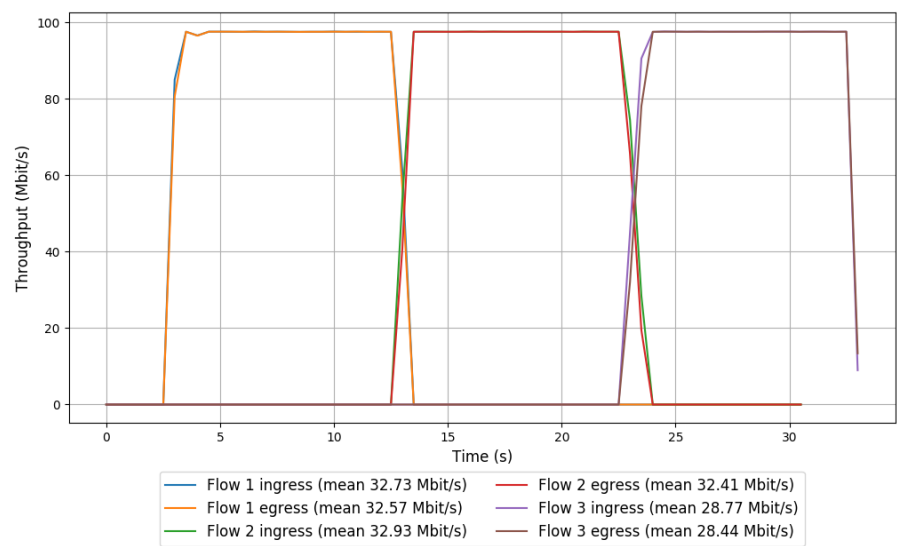
-- Flow 3:

Average throughput: 28.44 Mbit/s

95th percentile per-packet one-way delay: 22.774 ms

Loss rate: 1.11%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sat, 01 Jul 2017 10:30:40 +0000

End at: Sat, 01 Jul 2017 10:31:10 +0000

Local clock offset: 0.1 ms

Remote clock offset: -0.131 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:48:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 22.870 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 34.24 Mbit/s

95th percentile per-packet one-way delay: 22.842 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 22.889 ms

Loss rate: 0.88%

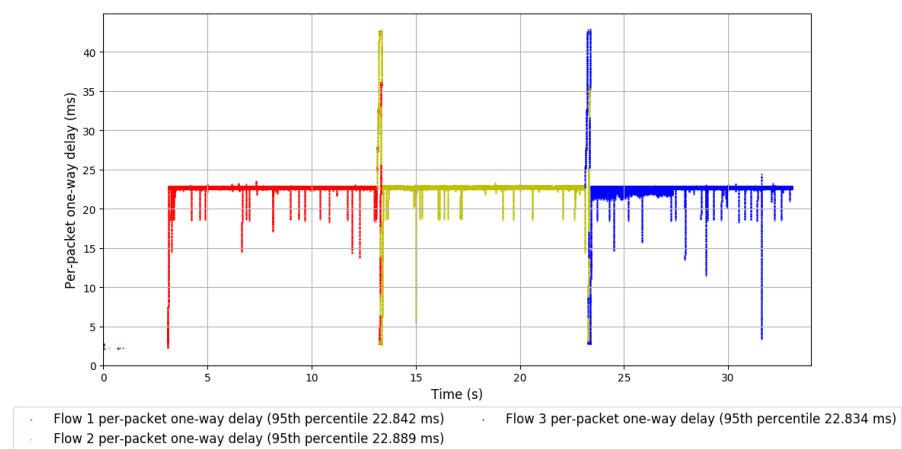
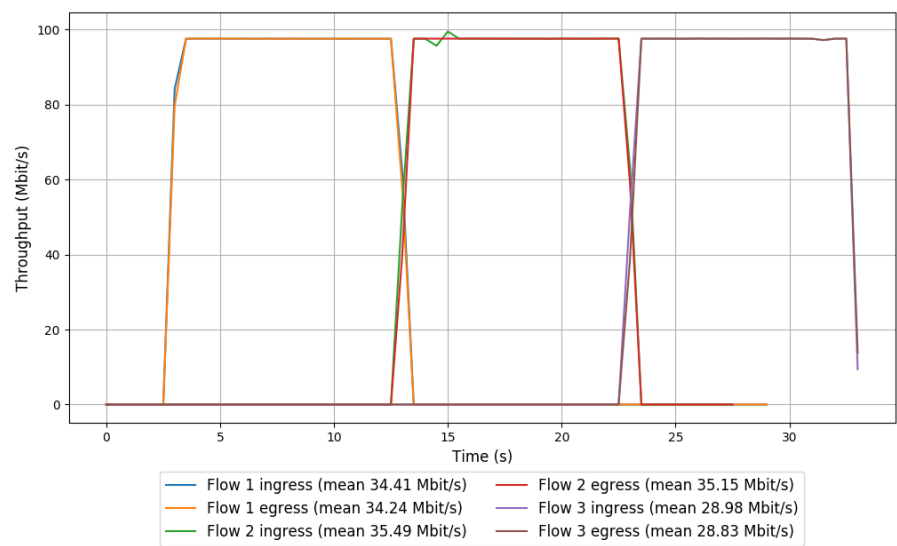
-- Flow 3:

Average throughput: 28.83 Mbit/s

95th percentile per-packet one-way delay: 22.834 ms

Loss rate: 0.45%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sat, 01 Jul 2017 10:47:48 +0000

End at: Sat, 01 Jul 2017 10:48:18 +0000

Local clock offset: 0.09 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:49:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.42 Mbit/s

95th percentile per-packet one-way delay: 22.835 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 35.95 Mbit/s

95th percentile per-packet one-way delay: 22.847 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 37.08 Mbit/s

95th percentile per-packet one-way delay: 22.832 ms

Loss rate: 0.88%

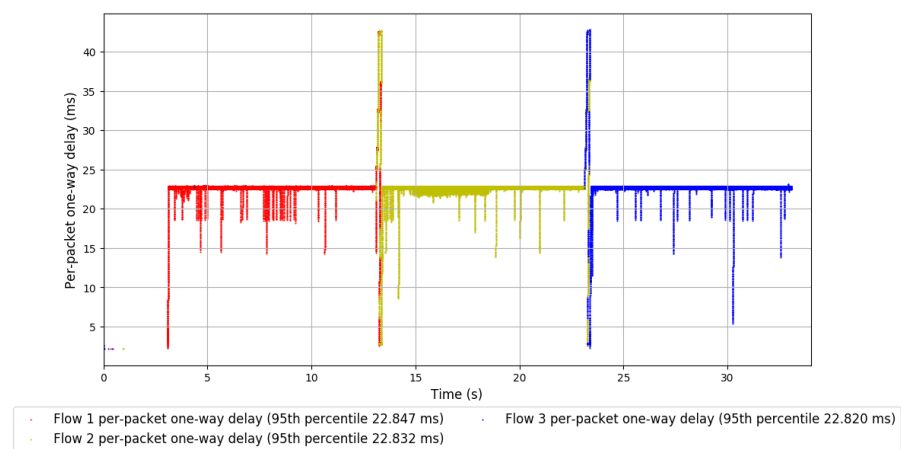
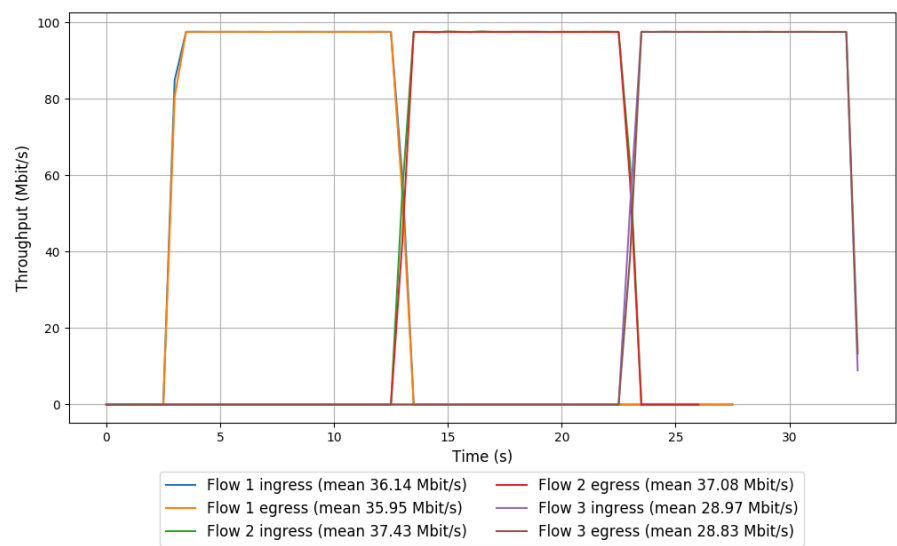
-- Flow 3:

Average throughput: 28.83 Mbit/s

95th percentile per-packet one-way delay: 22.820 ms

Loss rate: 0.44%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sat, 01 Jul 2017 11:04:55 +0000

End at: Sat, 01 Jul 2017 11:05:25 +0000

Local clock offset: 0.142 ms

Remote clock offset: -0.066 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:49:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.37 Mbit/s

95th percentile per-packet one-way delay: 22.852 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 31.94 Mbit/s

95th percentile per-packet one-way delay: 22.849 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 37.51 Mbit/s

95th percentile per-packet one-way delay: 22.833 ms

Loss rate: 0.88%

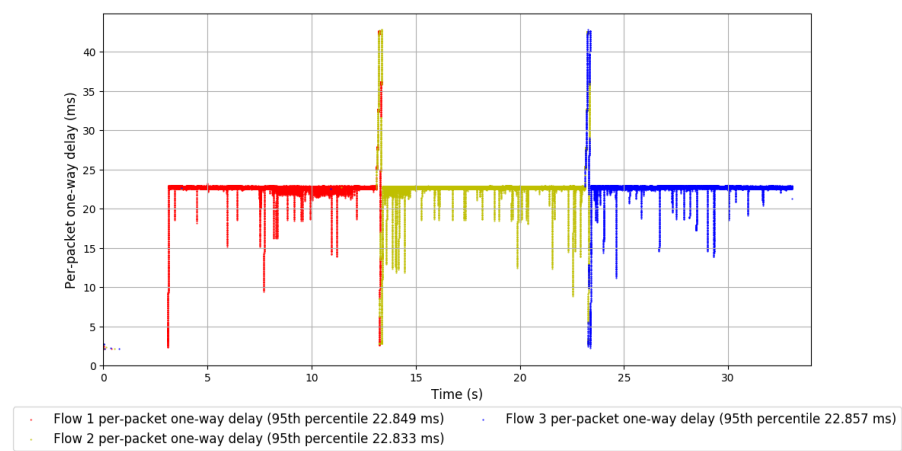
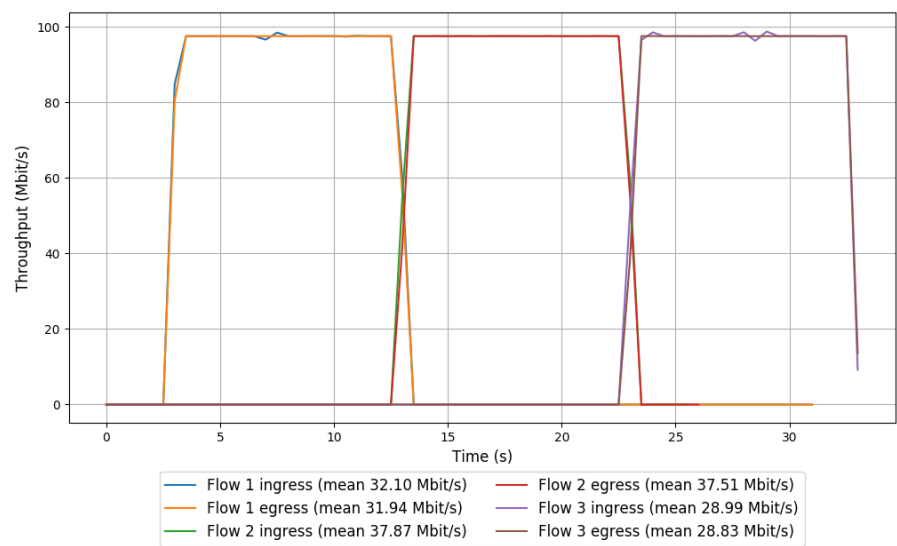
-- Flow 3:

Average throughput: 28.83 Mbit/s

95th percentile per-packet one-way delay: 22.857 ms

Loss rate: 0.49%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sat, 01 Jul 2017 11:22:00 +0000

End at: Sat, 01 Jul 2017 11:22:30 +0000

Local clock offset: 0.095 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:49:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 22.804 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 31.30 Mbit/s

95th percentile per-packet one-way delay: 22.776 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 30.76 Mbit/s

95th percentile per-packet one-way delay: 22.815 ms

Loss rate: 0.88%

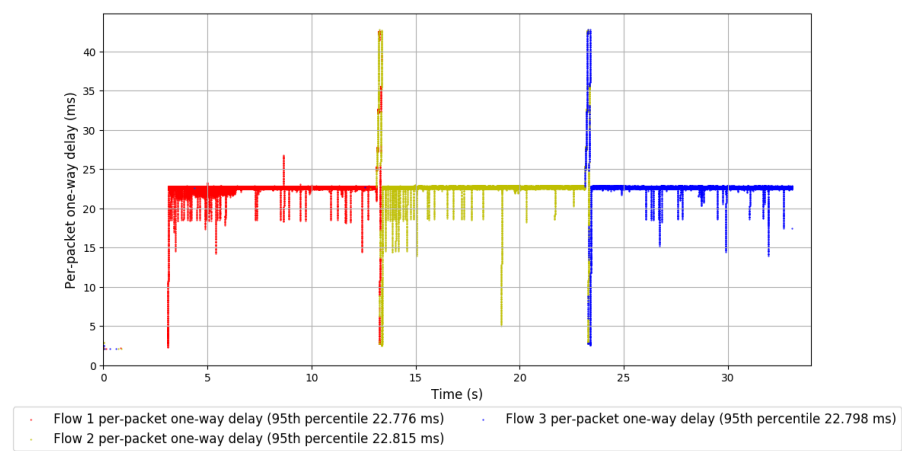
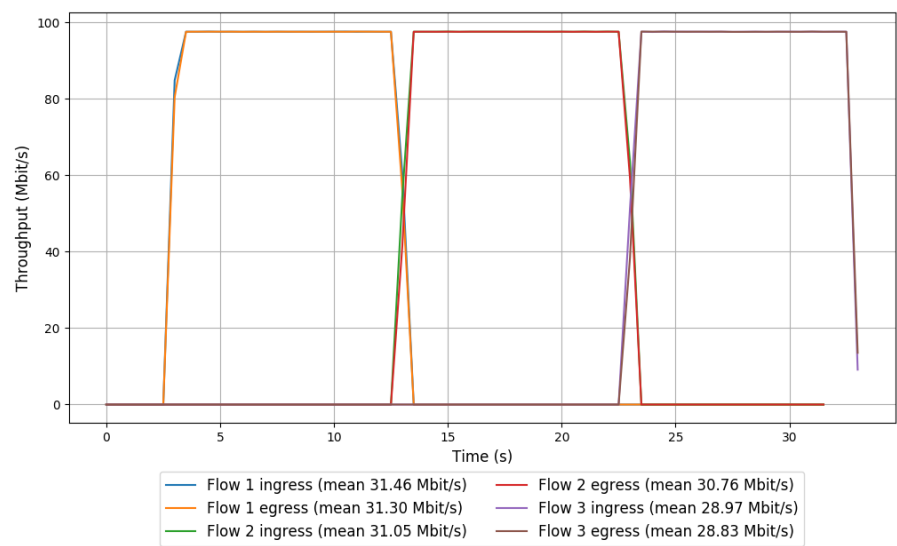
-- Flow 3:

Average throughput: 28.83 Mbit/s

95th percentile per-packet one-way delay: 22.798 ms

Loss rate: 0.45%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sat, 01 Jul 2017 11:39:10 +0000

End at: Sat, 01 Jul 2017 11:39:40 +0000

Local clock offset: 0.01 ms

Remote clock offset: 0.046 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:50:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.42 Mbit/s

95th percentile per-packet one-way delay: 22.693 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 37.70 Mbit/s

95th percentile per-packet one-way delay: 22.698 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 32.55 Mbit/s

95th percentile per-packet one-way delay: 22.693 ms

Loss rate: 0.88%

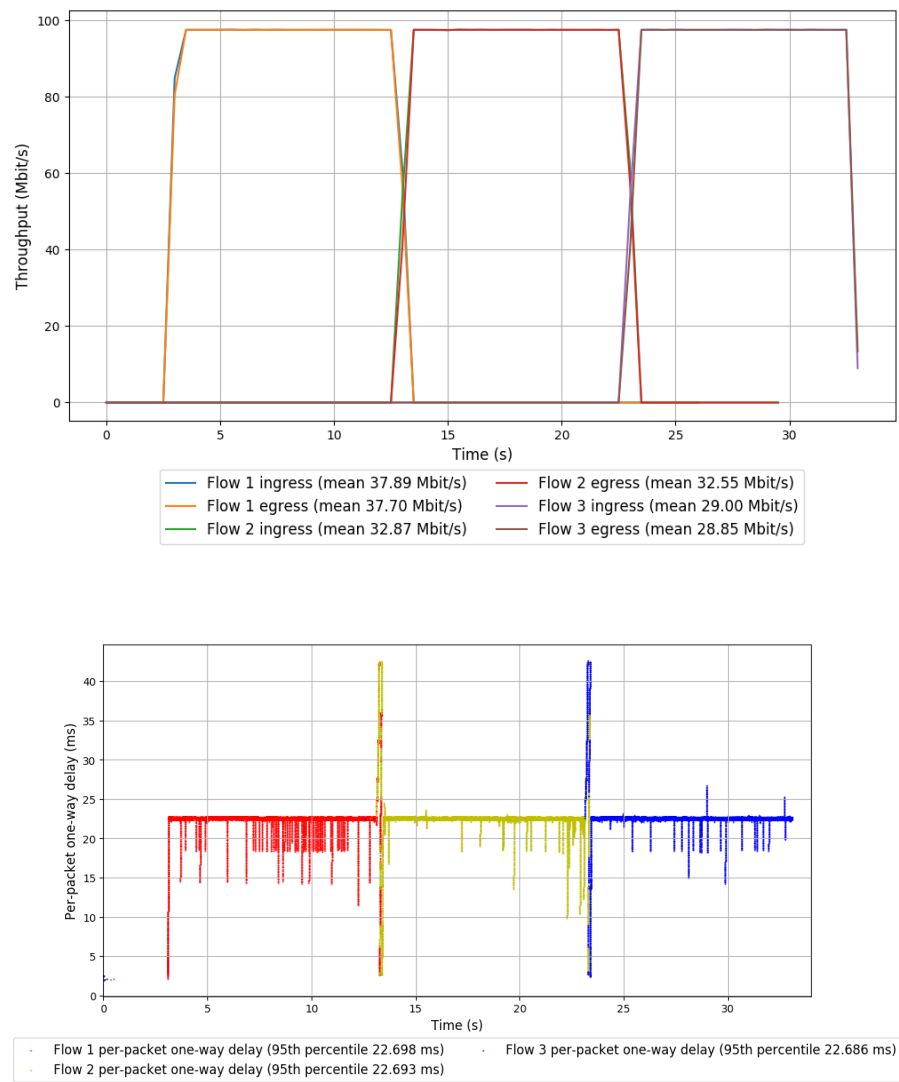
-- Flow 3:

Average throughput: 28.85 Mbit/s

95th percentile per-packet one-way delay: 22.686 ms

Loss rate: 0.45%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sat, 01 Jul 2017 11:56:18 +0000

End at: Sat, 01 Jul 2017 11:56:48 +0000

Local clock offset: -0.676 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:50:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.42 Mbit/s

95th percentile per-packet one-way delay: 21.963 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 32.43 Mbit/s

95th percentile per-packet one-way delay: 21.970 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 40.27 Mbit/s

95th percentile per-packet one-way delay: 21.939 ms

Loss rate: 0.88%

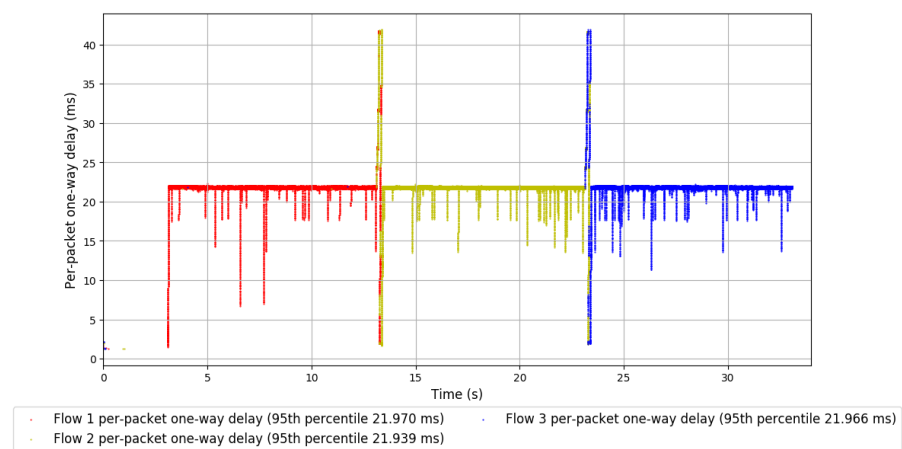
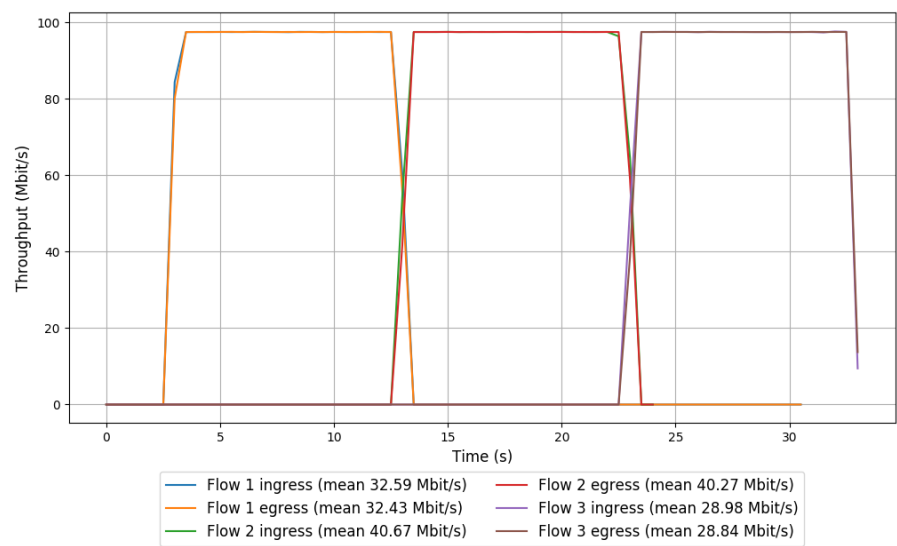
-- Flow 3:

Average throughput: 28.84 Mbit/s

95th percentile per-packet one-way delay: 21.966 ms

Loss rate: 0.44%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 09:07:58 +0000

End at: Sat, 01 Jul 2017 09:08:28 +0000

Local clock offset: -0.137 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:50:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 2.243 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 2.226 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 2.253 ms

Loss rate: 0.00%

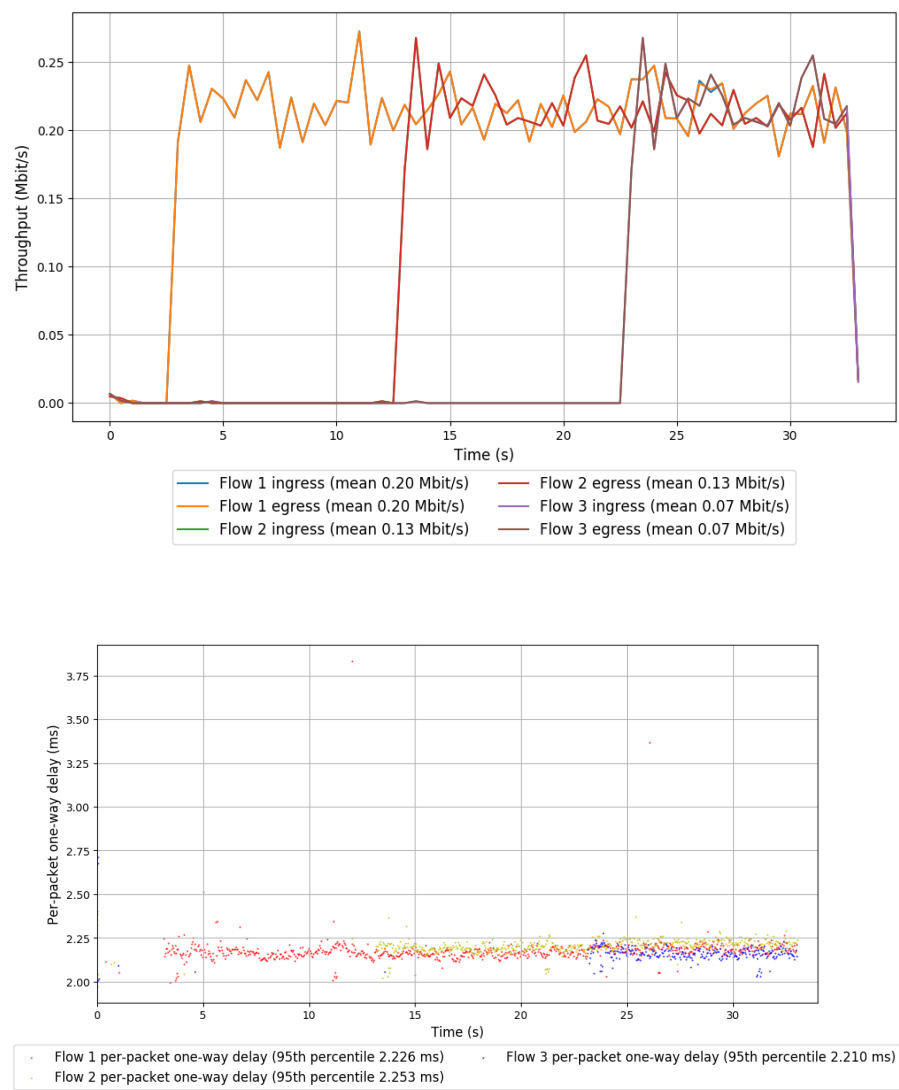
-- Flow 3:

Average throughput: 0.07 Mbit/s

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

Loss rate: 0.35%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 09:24:48 +0000

End at: Sat, 01 Jul 2017 09:25:18 +0000

Local clock offset: -0.398 ms

Remote clock offset: -0.027 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:50:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 1.913 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 1.911 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 1.894 ms

Loss rate: 0.00%

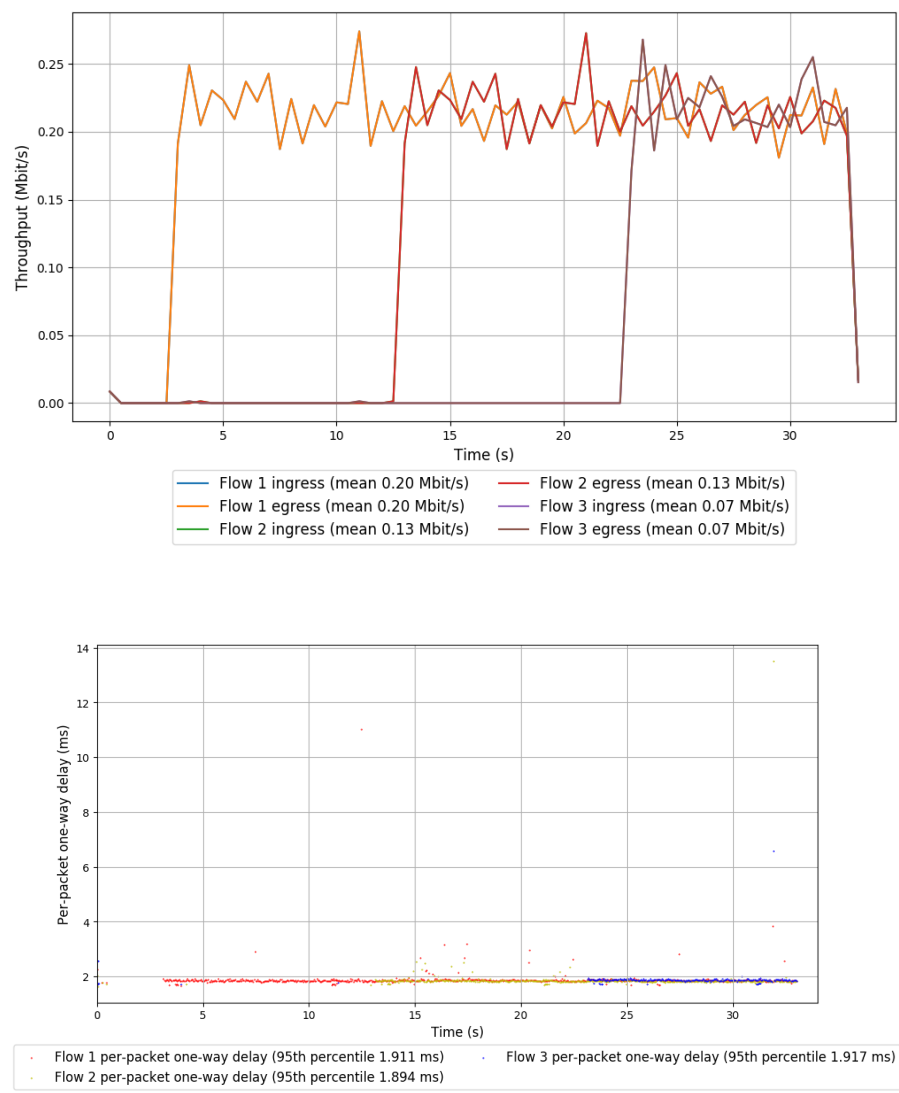
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 1.917 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 09:41:45 +0000

End at: Sat, 01 Jul 2017 09:42:15 +0000

Local clock offset: -0.209 ms

Remote clock offset: 0.085 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:50:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 1.903 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 1.902 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 1.886 ms

Loss rate: 0.00%

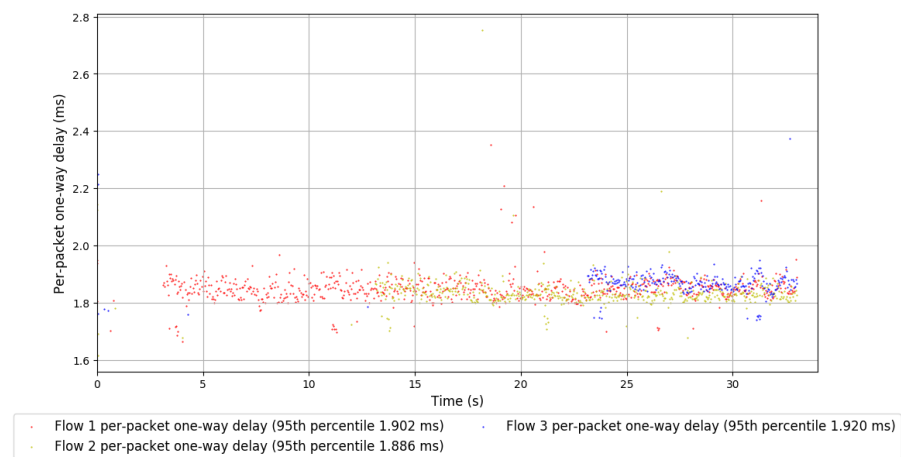
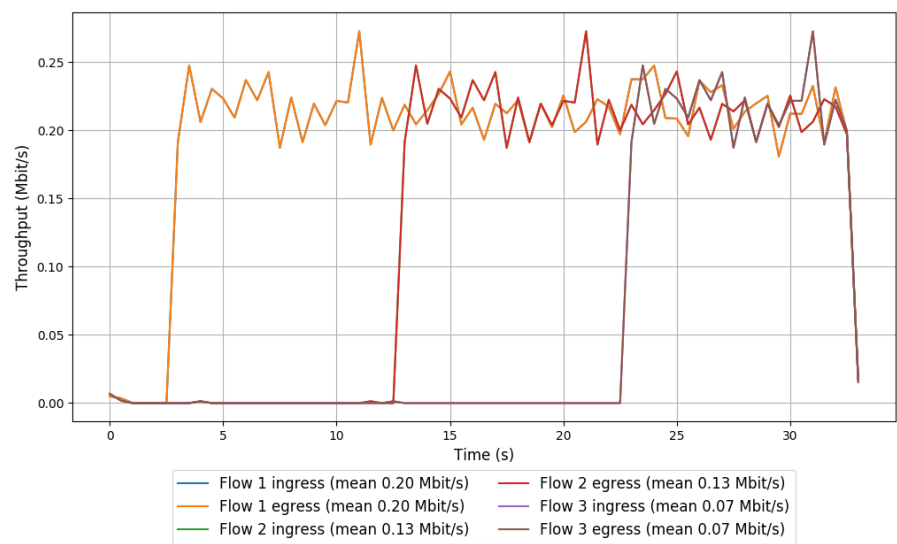
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 1.920 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 09:58:52 +0000

End at: Sat, 01 Jul 2017 09:59:22 +0000

Local clock offset: -0.016 ms

Remote clock offset: 0.038 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:50:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 2.197 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 2.187 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 2.151 ms

Loss rate: 0.00%

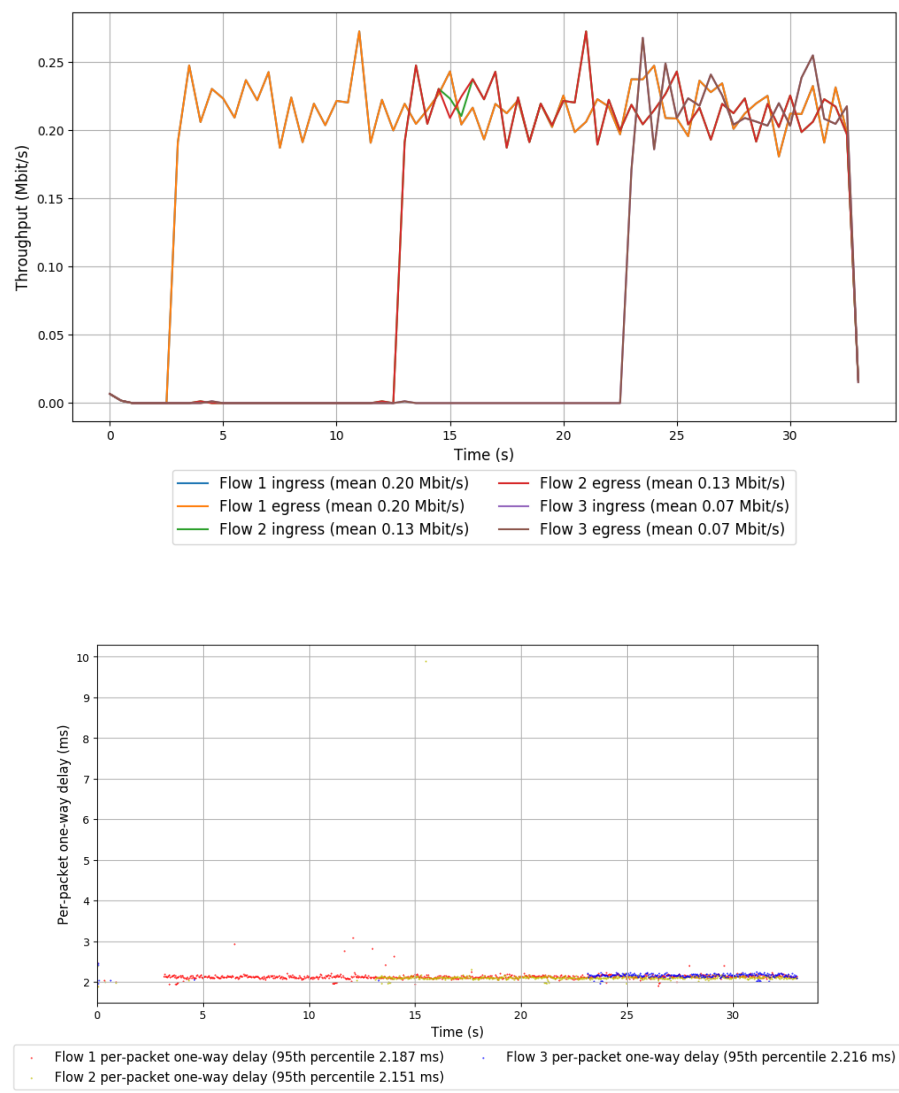
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 2.216 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 10:15:57 +0000

End at: Sat, 01 Jul 2017 10:16:27 +0000

Local clock offset: 0.087 ms

Remote clock offset: -0.017 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:50:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 2.231 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 2.231 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 2.232 ms

Loss rate: 0.00%

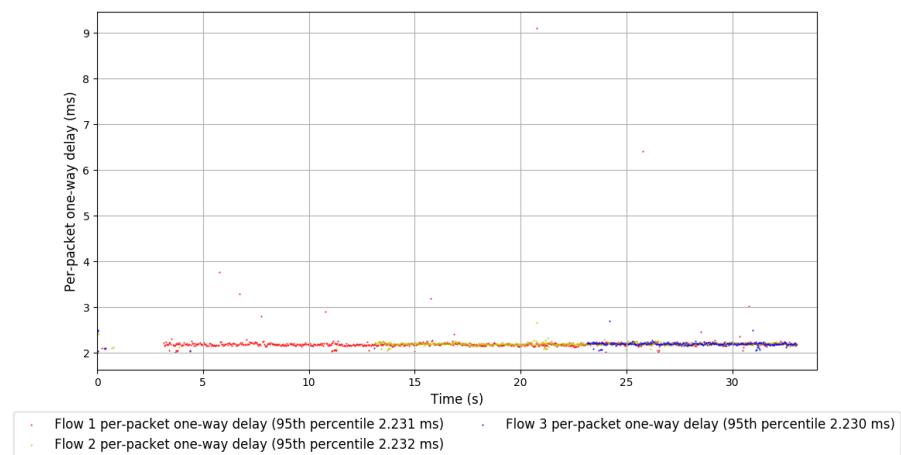
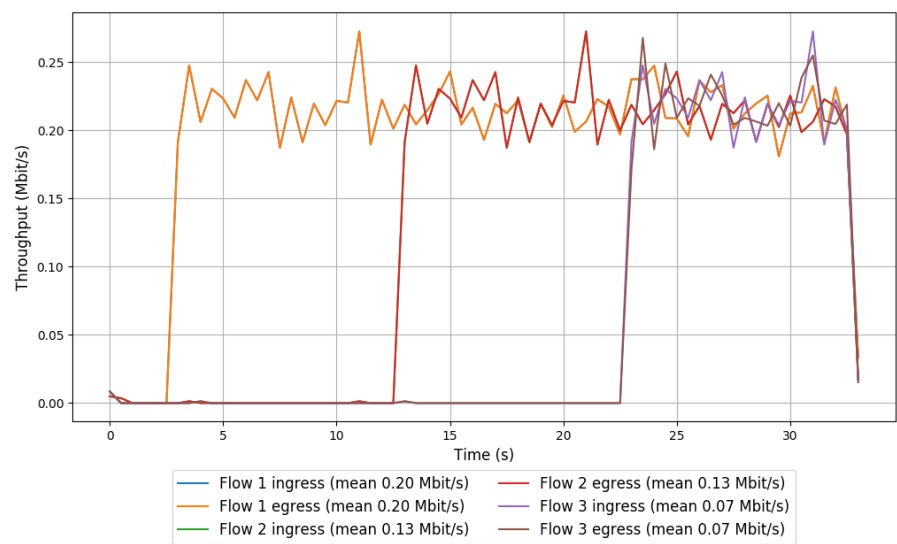
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 2.230 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 10:33:00 +0000

End at: Sat, 01 Jul 2017 10:33:30 +0000

Local clock offset: 0.019 ms

Remote clock offset: -0.154 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:50:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 2.355 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 2.358 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 2.353 ms

Loss rate: 0.00%

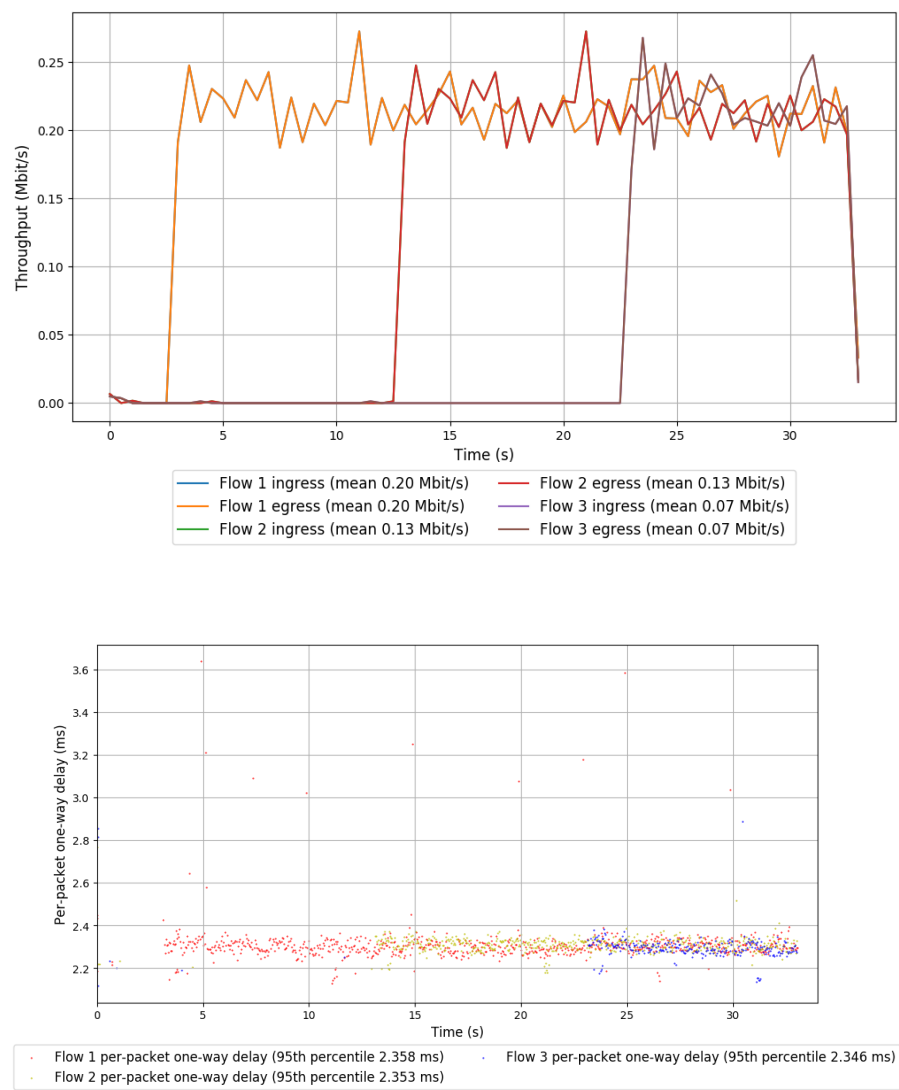
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 2.346 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 10:50:09 +0000

End at: Sat, 01 Jul 2017 10:50:39 +0000

Local clock offset: 0.158 ms

Remote clock offset: -0.011 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:50:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 2.337 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 2.353 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 2.296 ms

Loss rate: 0.00%

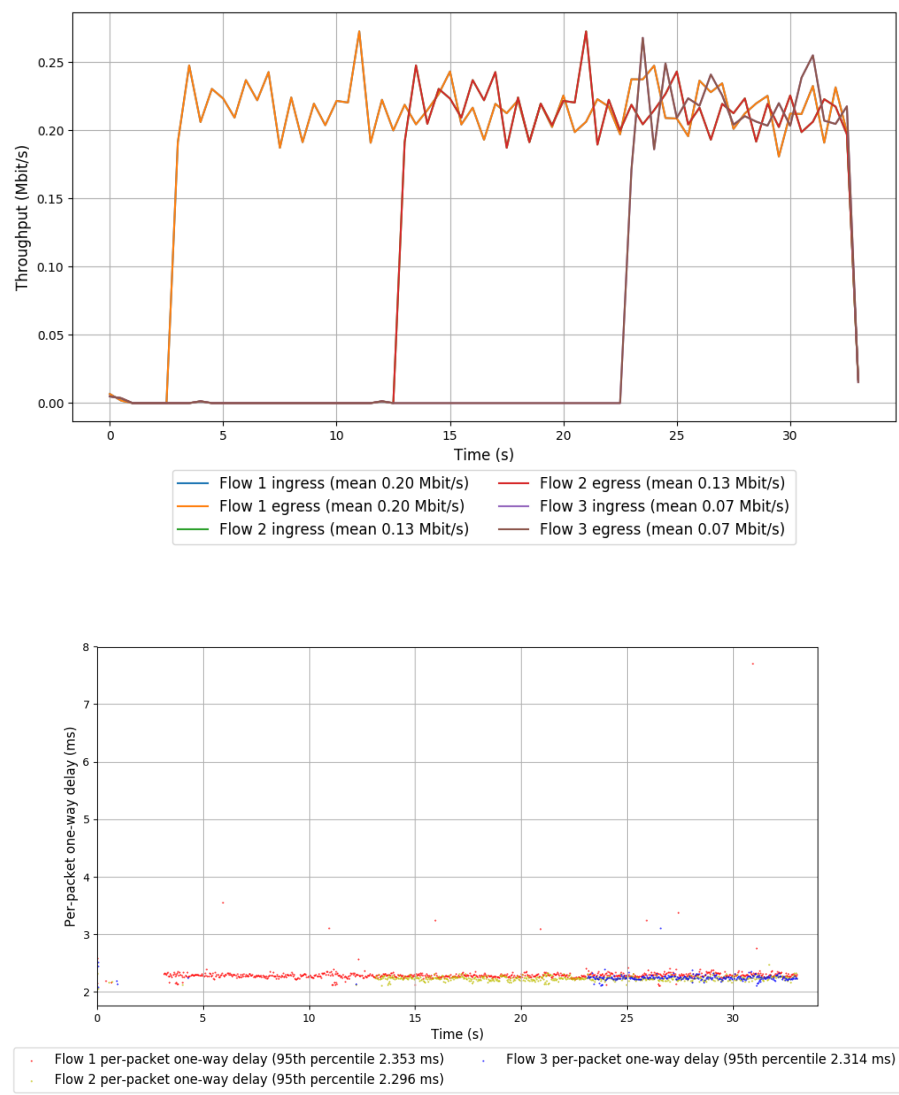
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 2.314 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 11:07:16 +0000

End at: Sat, 01 Jul 2017 11:07:46 +0000

Local clock offset: 0.15 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:50:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 2.324 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 2.335 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 2.286 ms

Loss rate: 0.00%

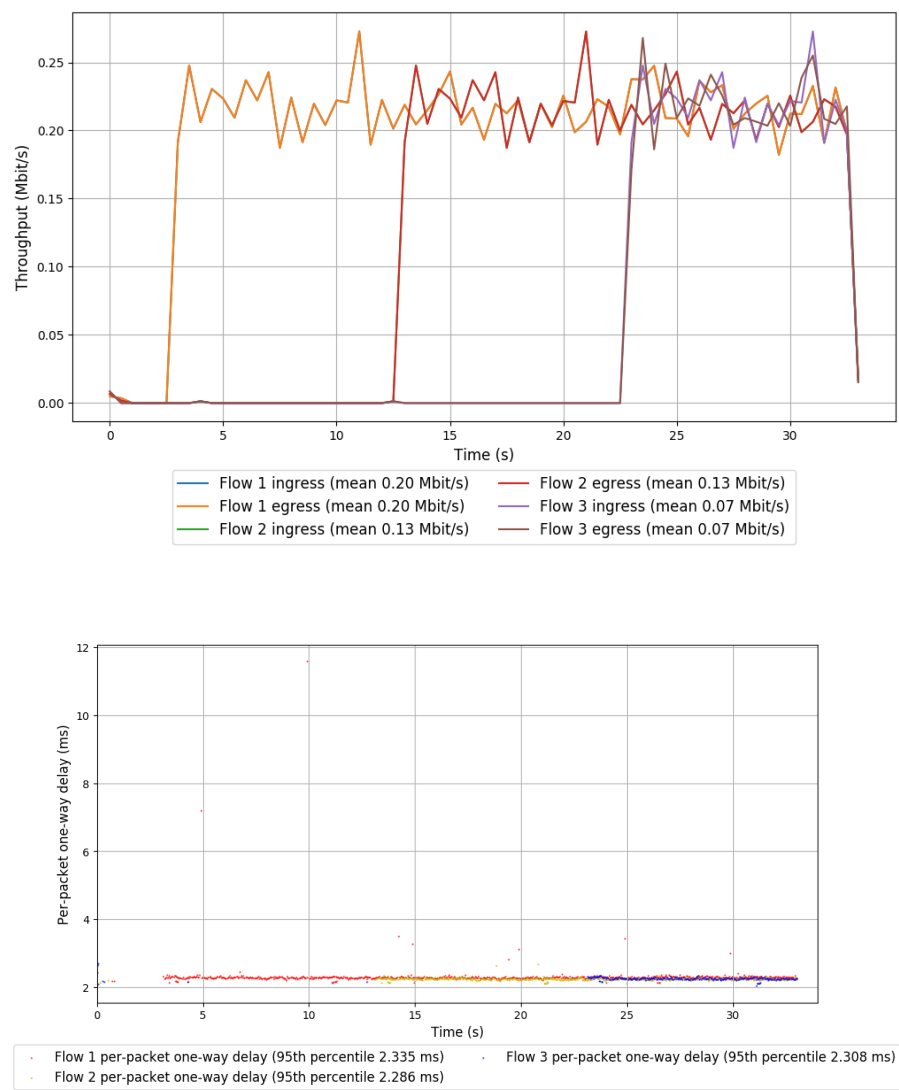
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 2.308 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 11:24:22 +0000

End at: Sat, 01 Jul 2017 11:24:52 +0000

Local clock offset: 0.095 ms

Remote clock offset: 0.034 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:50:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 2.285 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 2.280 ms

Loss rate: 0.00%

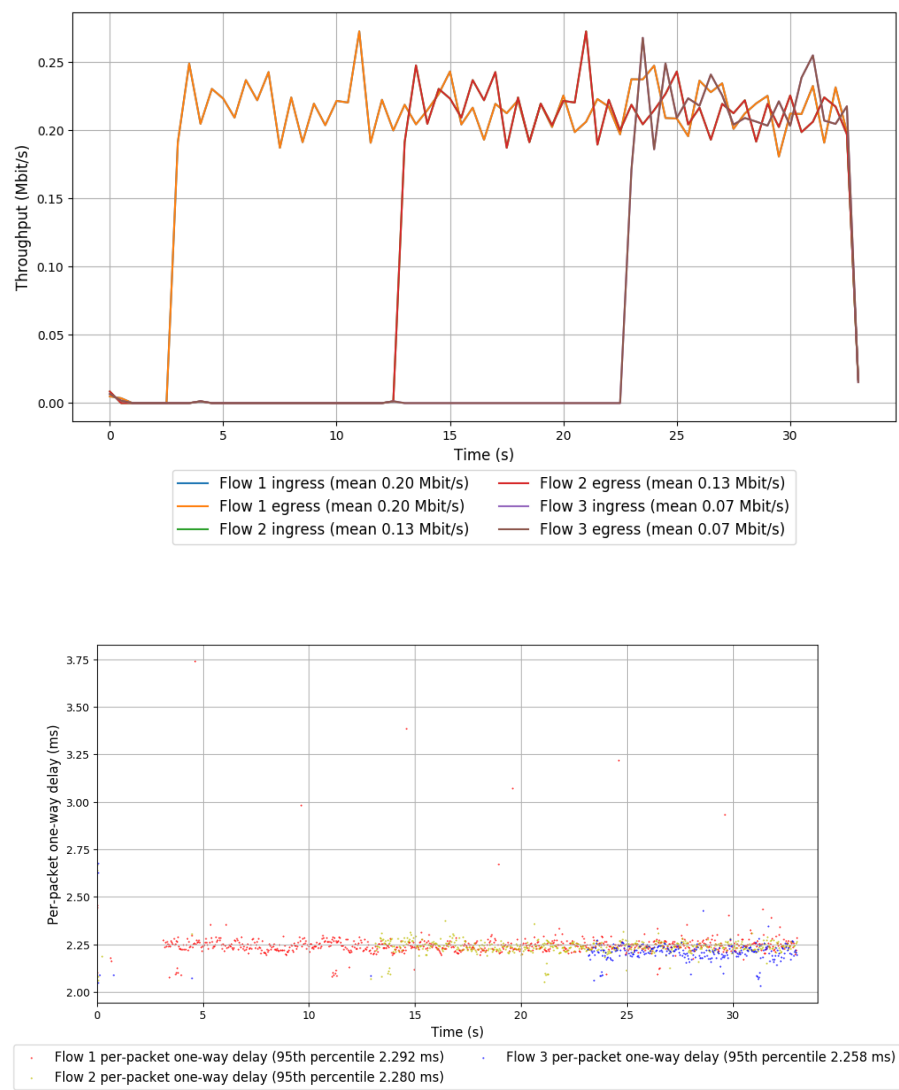
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 2.258 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 11:41:32 +0000

End at: Sat, 01 Jul 2017 11:42:02 +0000

Local clock offset: -0.037 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:50:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 2.148 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 2.153 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 2.119 ms

Loss rate: 0.00%

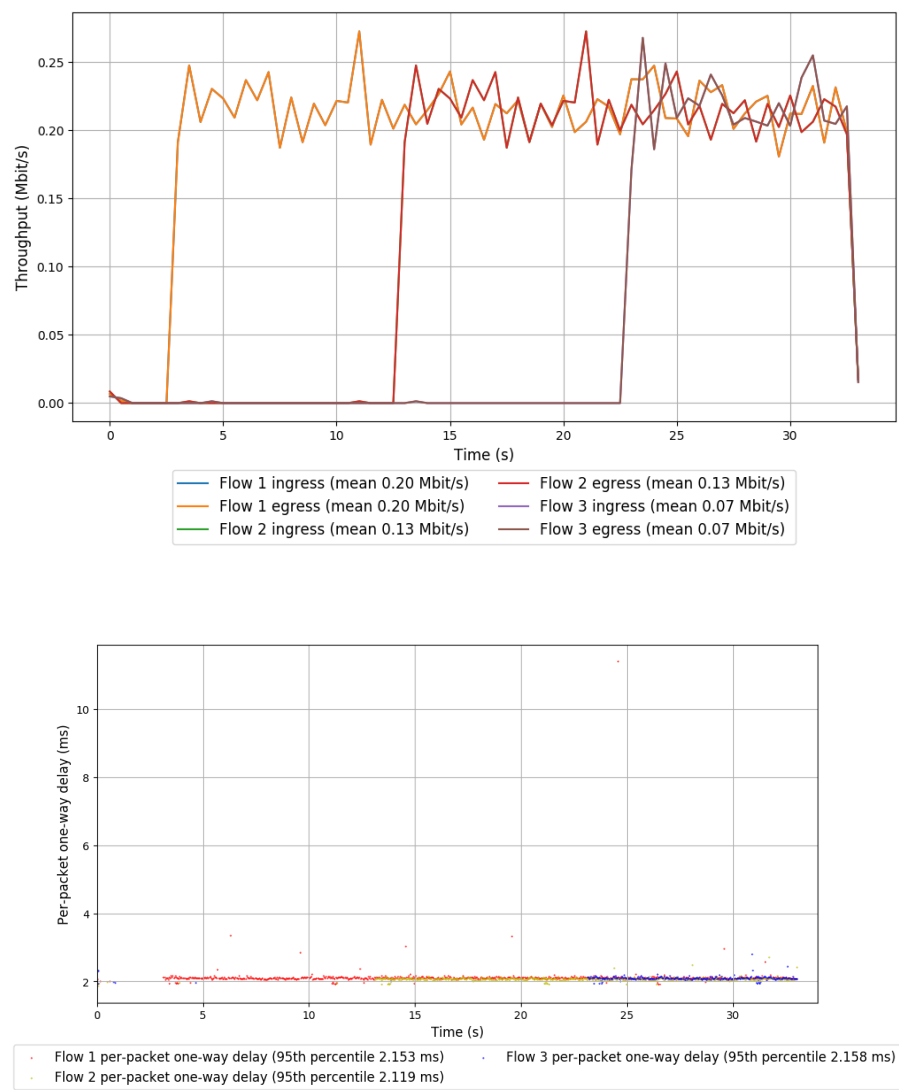
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 2.158 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sat, 01 Jul 2017 09:14:47 +0000

End at: Sat, 01 Jul 2017 09:15:17 +0000

Local clock offset: 0.009 ms

Remote clock offset: -0.082 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:51:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.11 Mbit/s

95th percentile per-packet one-way delay: 21.353 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 36.47 Mbit/s

95th percentile per-packet one-way delay: 19.815 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 25.04 Mbit/s

95th percentile per-packet one-way delay: 20.525 ms

Loss rate: 0.00%

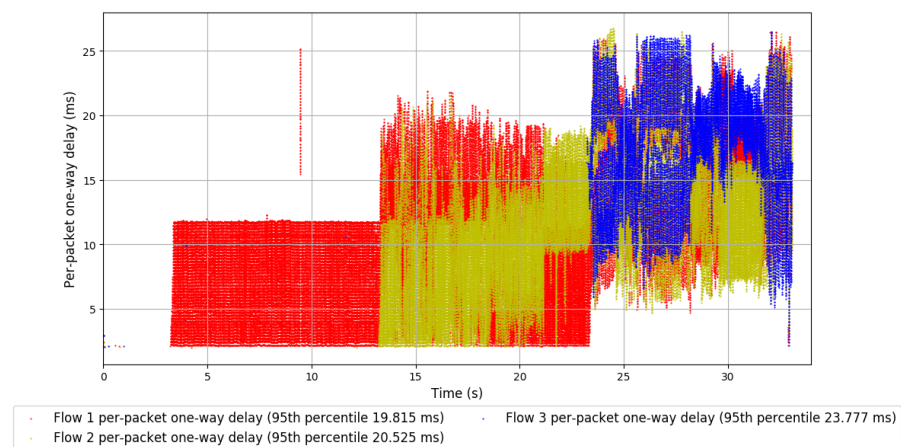
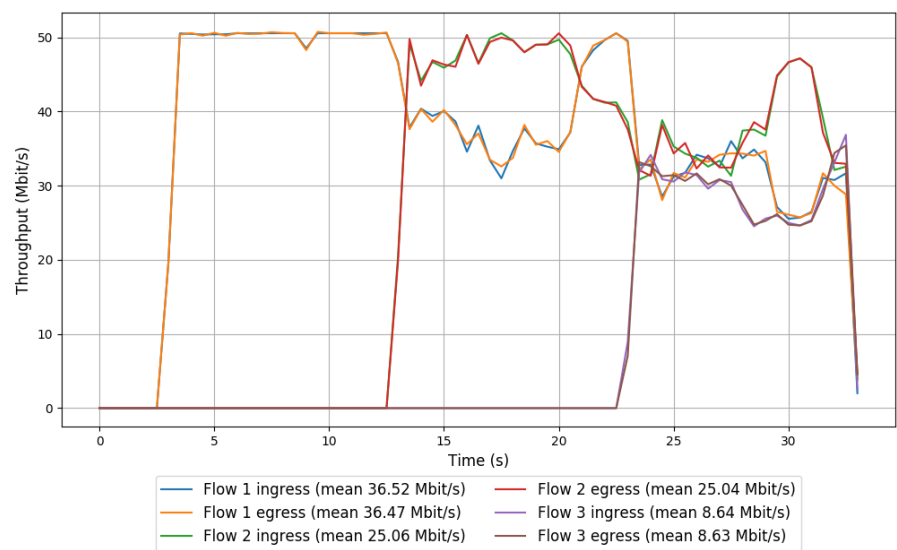
-- Flow 3:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 23.777 ms

Loss rate: 0.03%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sat, 01 Jul 2017 09:31:38 +0000

End at: Sat, 01 Jul 2017 09:32:08 +0000

Local clock offset: -0.373 ms

Remote clock offset: 0.033 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:51:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.11 Mbit/s

95th percentile per-packet one-way delay: 21.678 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.23 Mbit/s

95th percentile per-packet one-way delay: 19.594 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.70 Mbit/s

95th percentile per-packet one-way delay: 22.385 ms

Loss rate: 0.00%

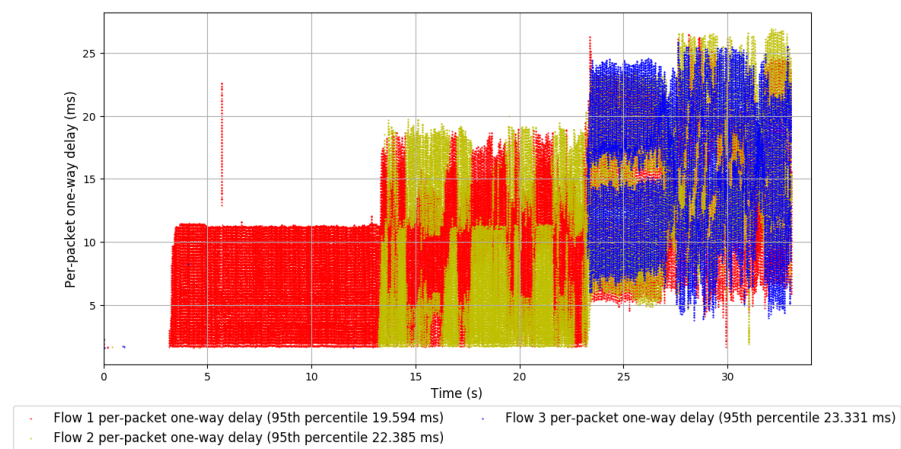
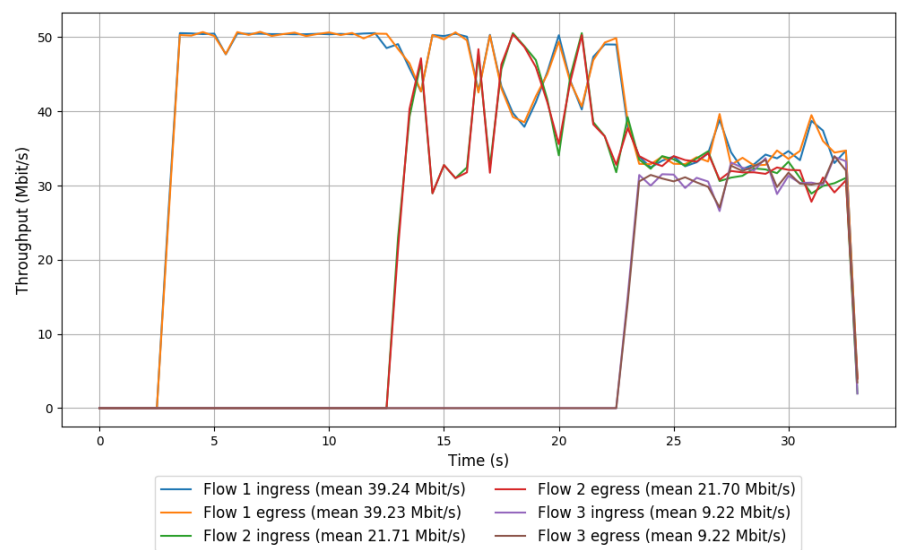
-- Flow 3:

Average throughput: 9.22 Mbit/s

95th percentile per-packet one-way delay: 23.331 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sat, 01 Jul 2017 09:48:34 +0000

End at: Sat, 01 Jul 2017 09:49:04 +0000

Local clock offset: -0.083 ms

Remote clock offset: 0.134 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:52:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.77 Mbit/s

95th percentile per-packet one-way delay: 21.224 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.22 Mbit/s

95th percentile per-packet one-way delay: 18.658 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.35 Mbit/s

95th percentile per-packet one-way delay: 22.680 ms

Loss rate: 0.00%

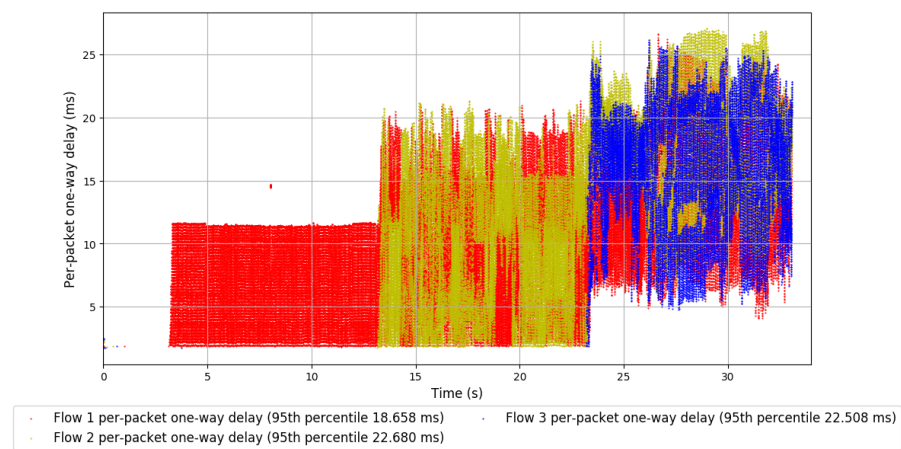
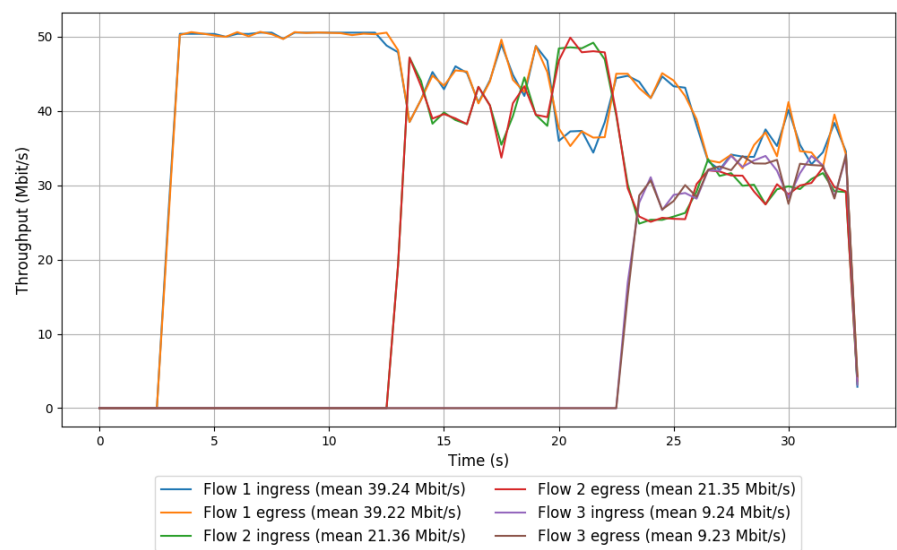
-- Flow 3:

Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 22.508 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sat, 01 Jul 2017 10:05:41 +0000

End at: Sat, 01 Jul 2017 10:06:11 +0000

Local clock offset: 0.054 ms

Remote clock offset: -0.022 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:52:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.91 Mbit/s

95th percentile per-packet one-way delay: 22.419 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.53 Mbit/s

95th percentile per-packet one-way delay: 21.386 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.63 Mbit/s

95th percentile per-packet one-way delay: 20.921 ms

Loss rate: 0.00%

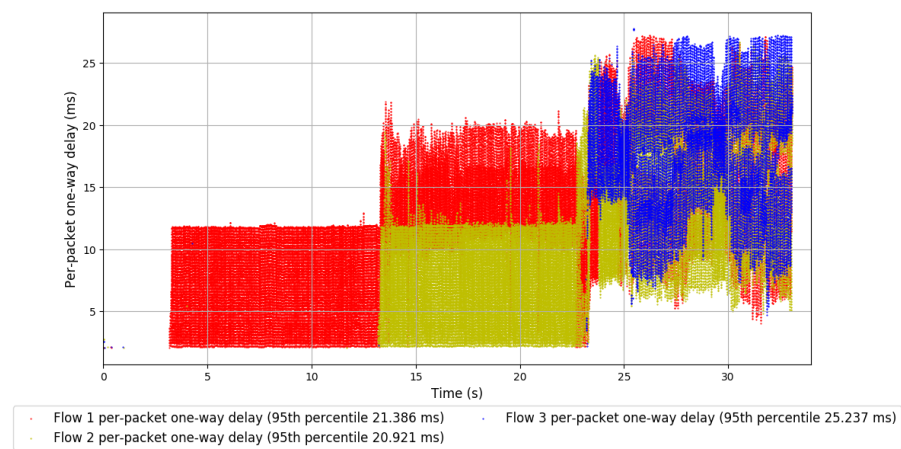
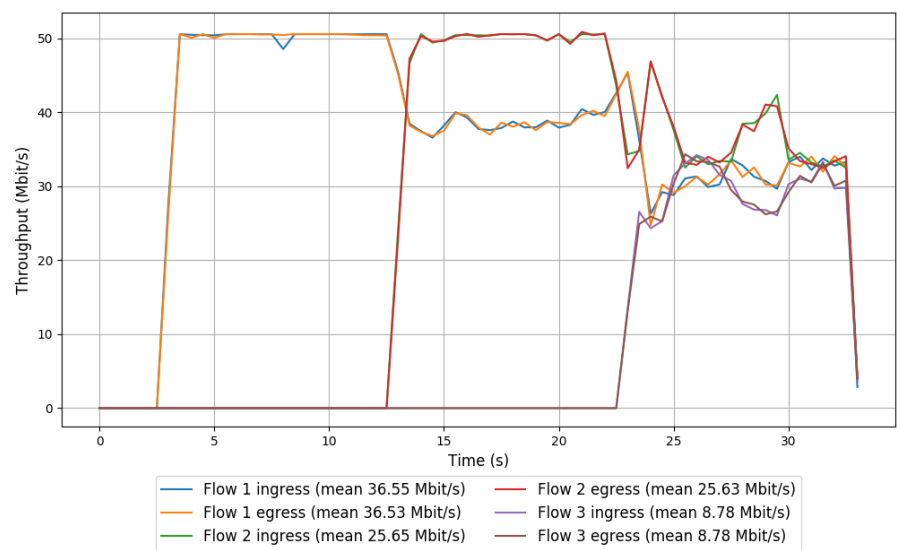
-- Flow 3:

Average throughput: 8.78 Mbit/s

95th percentile per-packet one-way delay: 25.237 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sat, 01 Jul 2017 10:22:46 +0000

End at: Sat, 01 Jul 2017 10:23:16 +0000

Local clock offset: 0.071 ms

Remote clock offset: 0.007 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:52:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.04 Mbit/s

95th percentile per-packet one-way delay: 22.228 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.31 Mbit/s

95th percentile per-packet one-way delay: 20.313 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.07 Mbit/s

95th percentile per-packet one-way delay: 22.983 ms

Loss rate: 0.00%

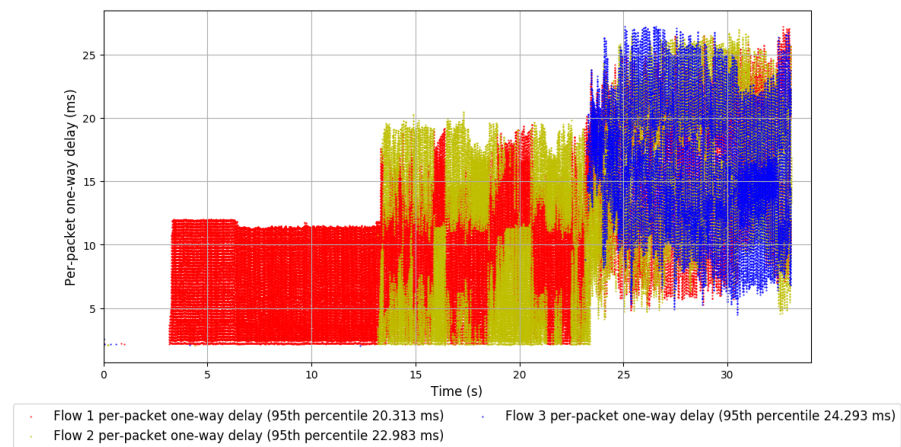
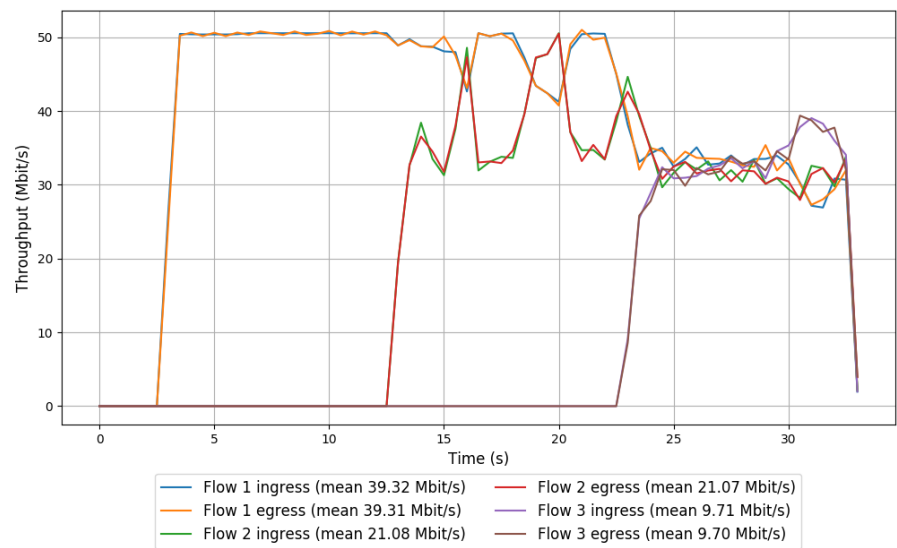
-- Flow 3:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 24.293 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sat, 01 Jul 2017 10:39:50 +0000

End at: Sat, 01 Jul 2017 10:40:20 +0000

Local clock offset: 0.121 ms

Remote clock offset: -0.008 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:52:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.89 Mbit/s

95th percentile per-packet one-way delay: 22.059 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.17 Mbit/s

95th percentile per-packet one-way delay: 21.691 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.62 Mbit/s

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

Loss rate: 0.00%

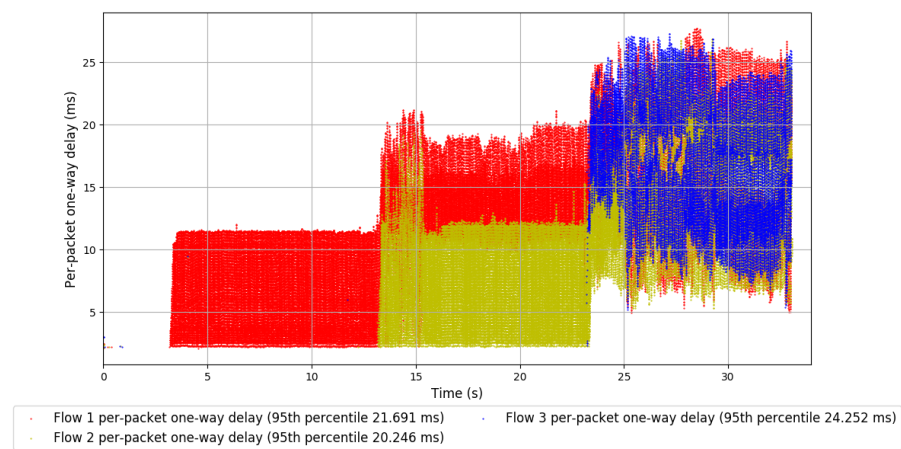
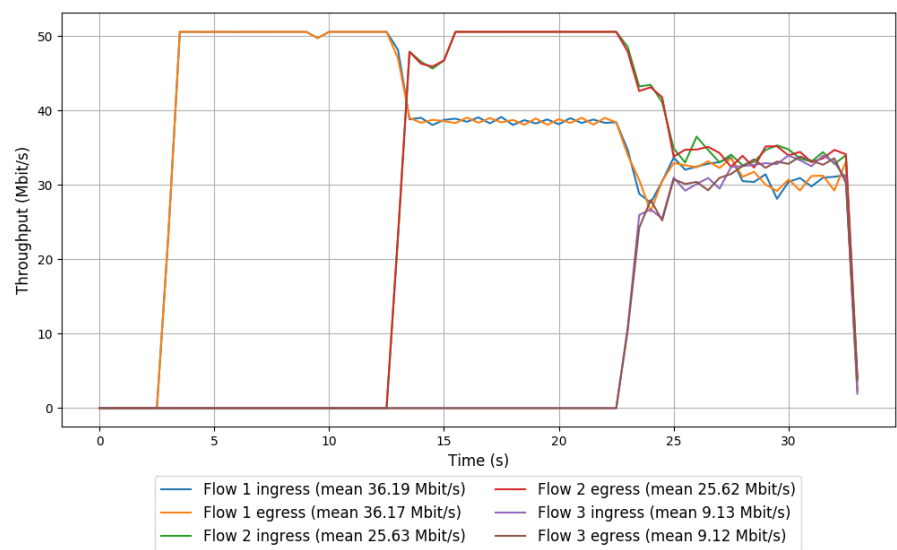
-- Flow 3:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 24.252 ms

Loss rate: 0.01%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sat, 01 Jul 2017 10:56:59 +0000

End at: Sat, 01 Jul 2017 10:57:29 +0000

Local clock offset: 0.158 ms

Remote clock offset: -0.045 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:53:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.14 Mbit/s

95th percentile per-packet one-way delay: 21.676 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.05 Mbit/s

95th percentile per-packet one-way delay: 19.994 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.19 Mbit/s

95th percentile per-packet one-way delay: 21.848 ms

Loss rate: 0.00%

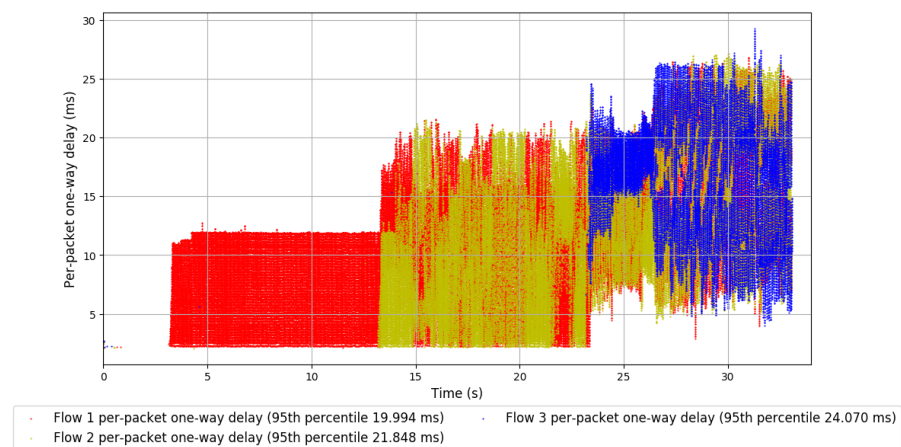
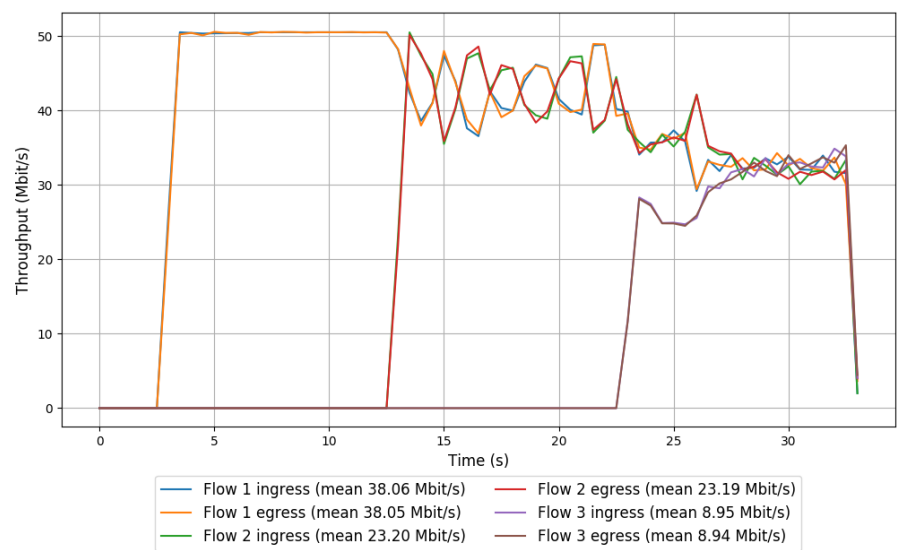
-- Flow 3:

Average throughput: 8.94 Mbit/s

95th percentile per-packet one-way delay: 24.070 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sat, 01 Jul 2017 11:14:06 +0000

End at: Sat, 01 Jul 2017 11:14:36 +0000

Local clock offset: 0.04 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:53:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.39 Mbit/s

95th percentile per-packet one-way delay: 22.235 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 39.78 Mbit/s

95th percentile per-packet one-way delay: 19.914 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.43 Mbit/s

95th percentile per-packet one-way delay: 23.298 ms

Loss rate: 0.00%

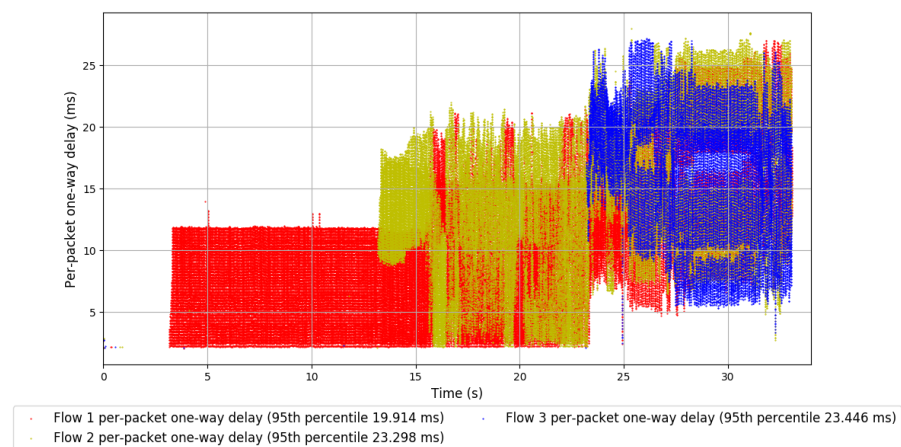
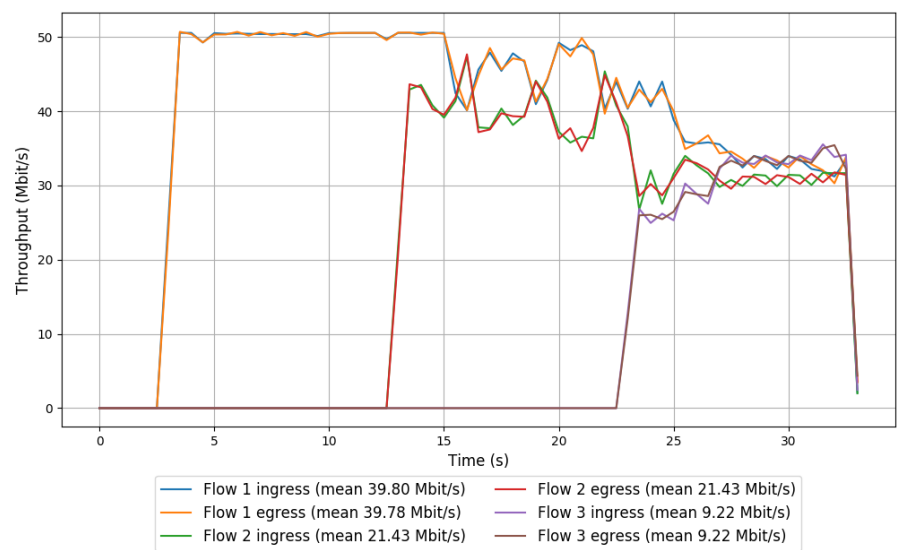
-- Flow 3:

Average throughput: 9.22 Mbit/s

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

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sat, 01 Jul 2017 11:31:12 +0000

End at: Sat, 01 Jul 2017 11:31:42 +0000

Local clock offset: 0.117 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:54:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.95 Mbit/s

95th percentile per-packet one-way delay: 21.846 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.88 Mbit/s

95th percentile per-packet one-way delay: 21.289 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.68 Mbit/s

95th percentile per-packet one-way delay: 21.348 ms

Loss rate: 0.00%

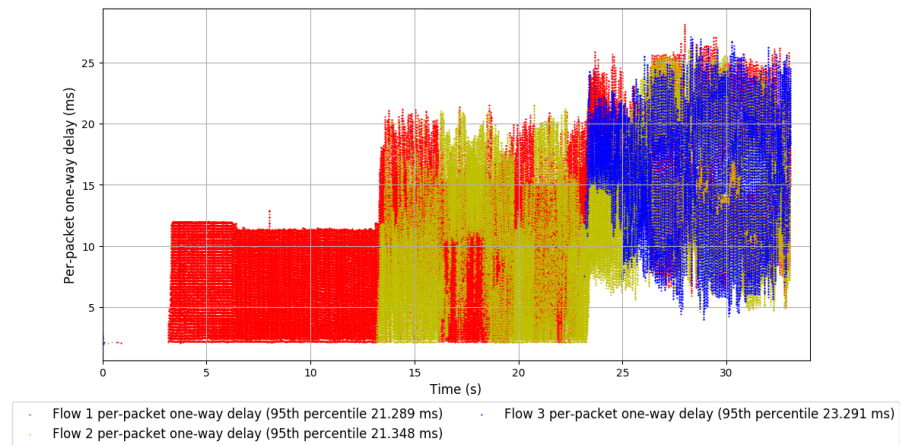
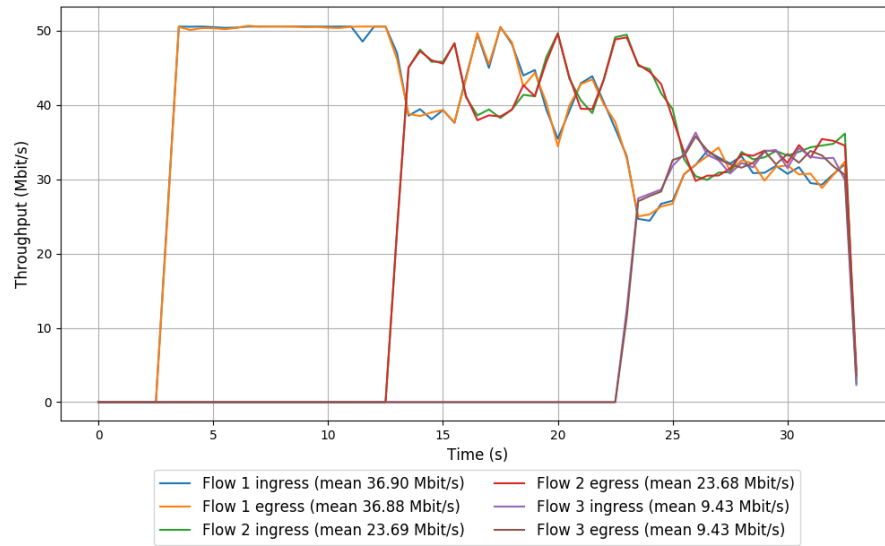
-- Flow 3:

Average throughput: 9.43 Mbit/s

95th percentile per-packet one-way delay: 23.291 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sat, 01 Jul 2017 11:48:21 +0000

End at: Sat, 01 Jul 2017 11:48:51 +0000

Local clock offset: -0.24 ms

Remote clock offset: 0.12 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:54:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.20 Mbit/s

95th percentile per-packet one-way delay: 21.291 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.29 Mbit/s

95th percentile per-packet one-way delay: 21.038 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.16 Mbit/s

95th percentile per-packet one-way delay: 20.875 ms

Loss rate: 0.00%

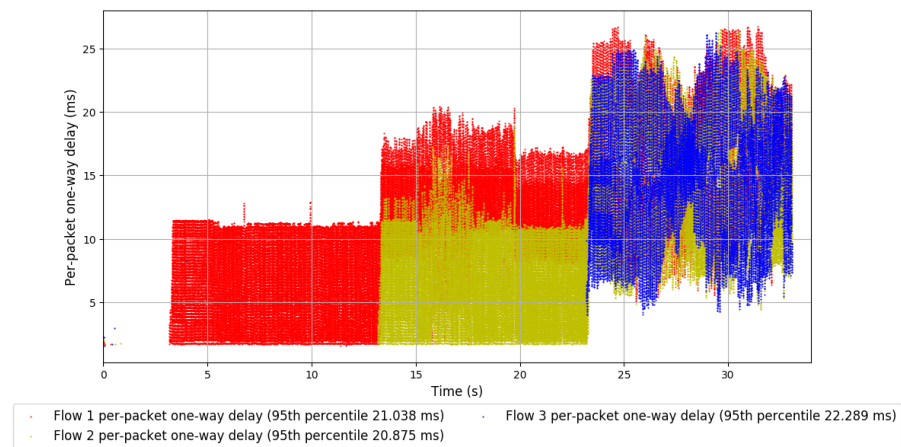
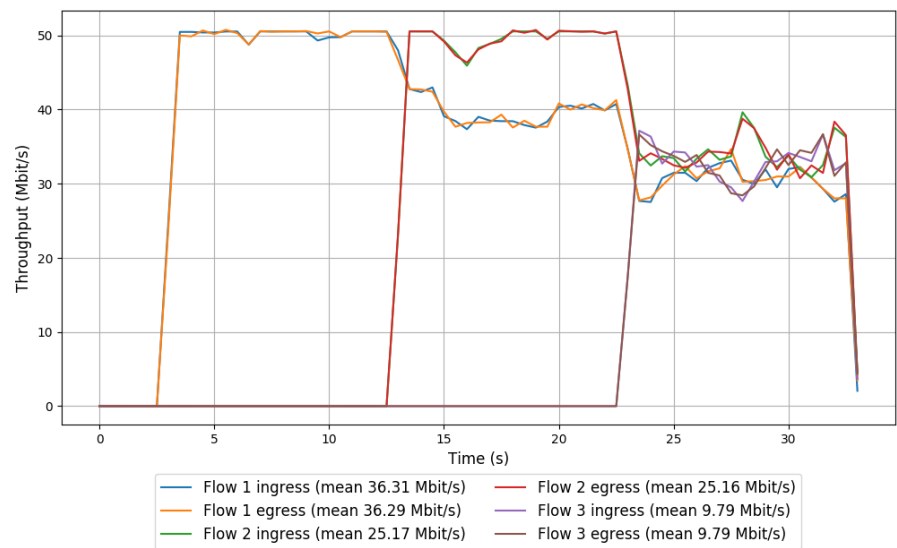
-- Flow 3:

Average throughput: 9.79 Mbit/s

95th percentile per-packet one-way delay: 22.289 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 09:21:27 +0000

End at: Sat, 01 Jul 2017 09:21:57 +0000

Local clock offset: -0.229 ms

Remote clock offset: -0.054 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:54:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.77 Mbit/s

95th percentile per-packet one-way delay: 3.650 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 10.89 Mbit/s

95th percentile per-packet one-way delay: 4.278 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.58 Mbit/s

95th percentile per-packet one-way delay: 2.478 ms

Loss rate: 0.00%

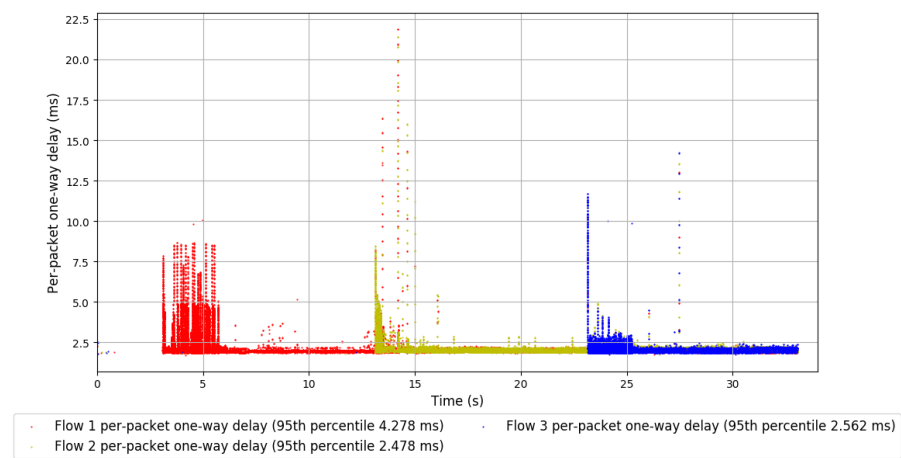
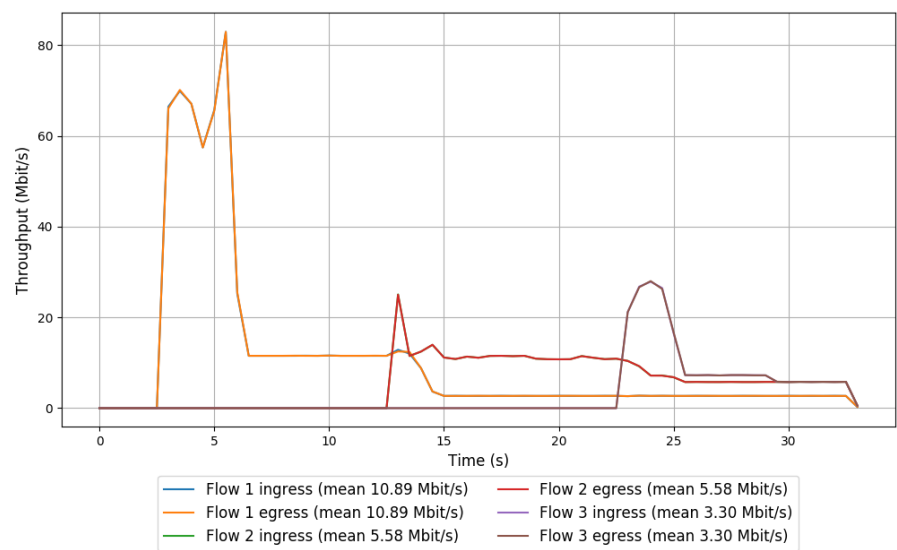
-- Flow 3:

Average throughput: 3.30 Mbit/s

95th percentile per-packet one-way delay: 2.562 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 09:38:20 +0000

End at: Sat, 01 Jul 2017 09:38:50 +0000

Local clock offset: -0.294 ms

Remote clock offset: -0.019 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:54:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.41 Mbit/s

95th percentile per-packet one-way delay: 4.381 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.14 Mbit/s

95th percentile per-packet one-way delay: 4.654 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.25 Mbit/s

95th percentile per-packet one-way delay: 2.692 ms

Loss rate: 0.00%

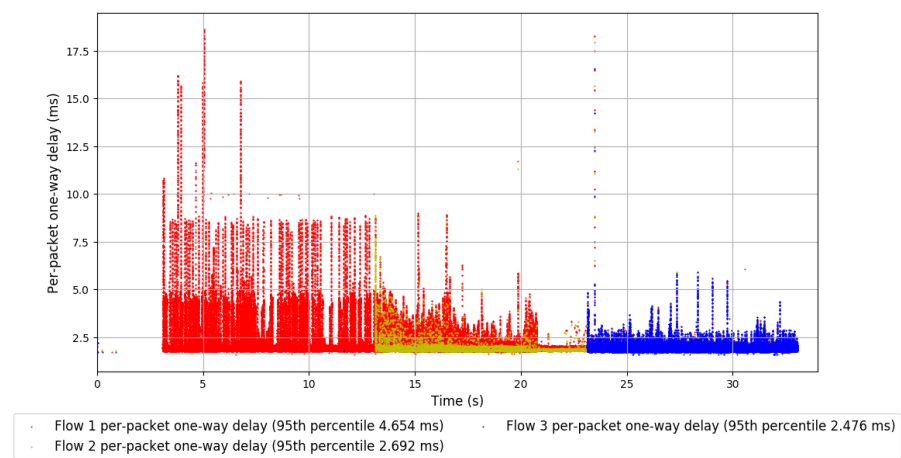
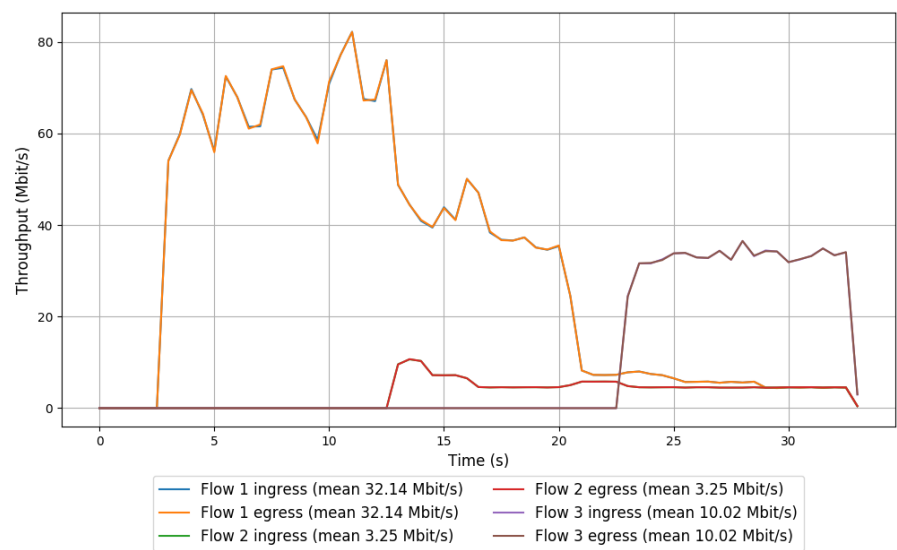
-- Flow 3:

Average throughput: 10.02 Mbit/s

95th percentile per-packet one-way delay: 2.476 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 09:55:21 +0000

End at: Sat, 01 Jul 2017 09:55:51 +0000

Local clock offset: -0.052 ms

Remote clock offset: 0.054 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:55:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.48 Mbit/s

95th percentile per-packet one-way delay: 4.793 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 25.10 Mbit/s

95th percentile per-packet one-way delay: 5.235 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.98 Mbit/s

95th percentile per-packet one-way delay: 4.426 ms

Loss rate: 0.00%

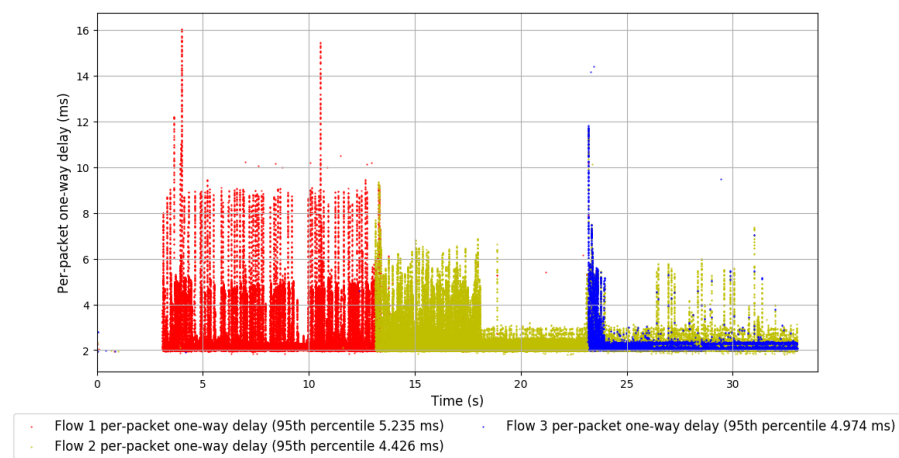
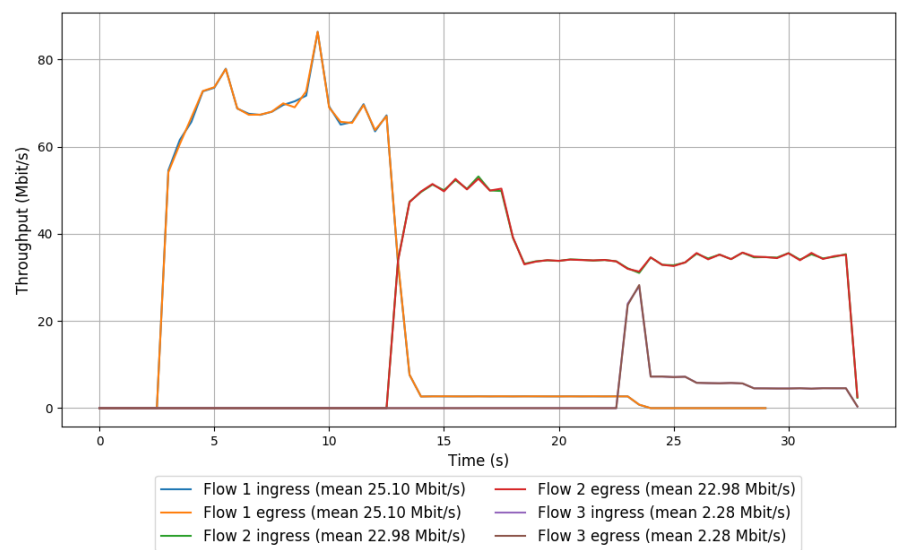
-- Flow 3:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 4.974 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 10:12:27 +0000

End at: Sat, 01 Jul 2017 10:12:57 +0000

Local clock offset: 0.077 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:55:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.80 Mbit/s

95th percentile per-packet one-way delay: 4.967 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 5.405 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.05 Mbit/s

95th percentile per-packet one-way delay: 4.165 ms

Loss rate: 0.00%

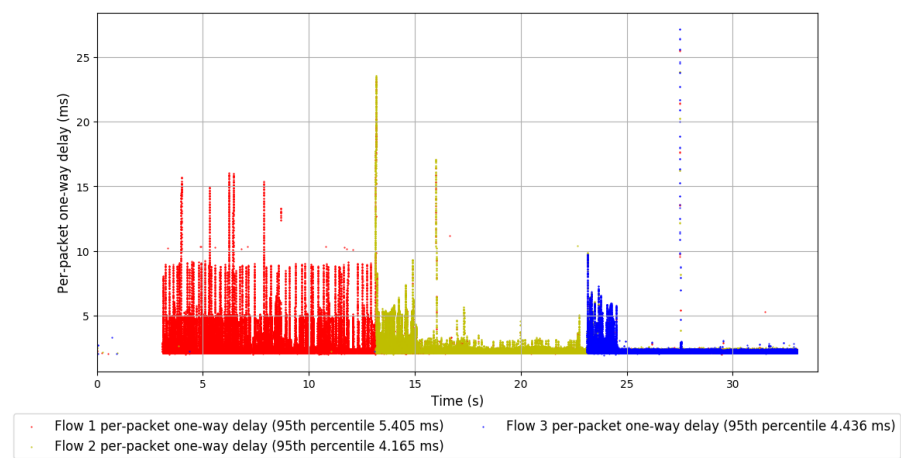
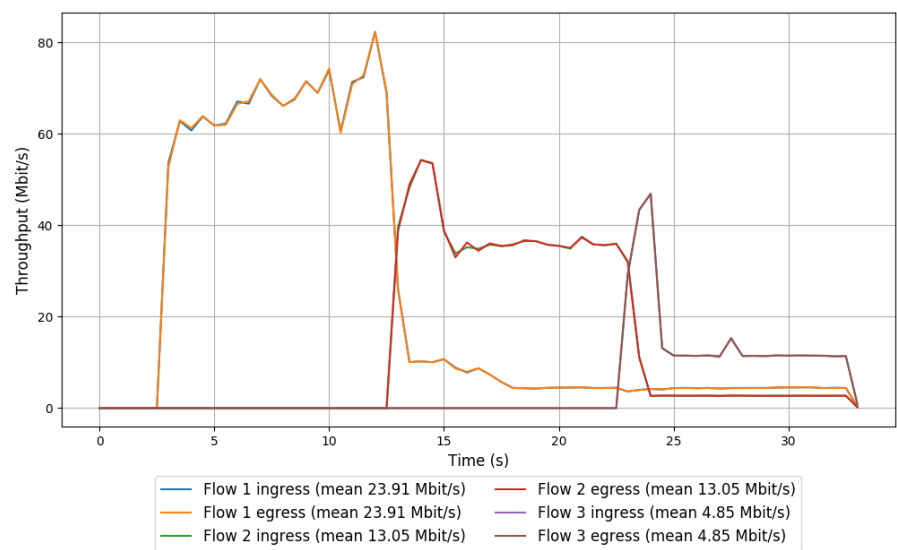
-- Flow 3:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 4.436 ms

Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 10:29:30 +0000

End at: Sat, 01 Jul 2017 10:30:00 +0000

Local clock offset: 0.094 ms

Remote clock offset: -0.023 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:55:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.20 Mbit/s

95th percentile per-packet one-way delay: 4.953 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 25.89 Mbit/s

95th percentile per-packet one-way delay: 5.231 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.55 Mbit/s

95th percentile per-packet one-way delay: 3.953 ms

Loss rate: 0.00%

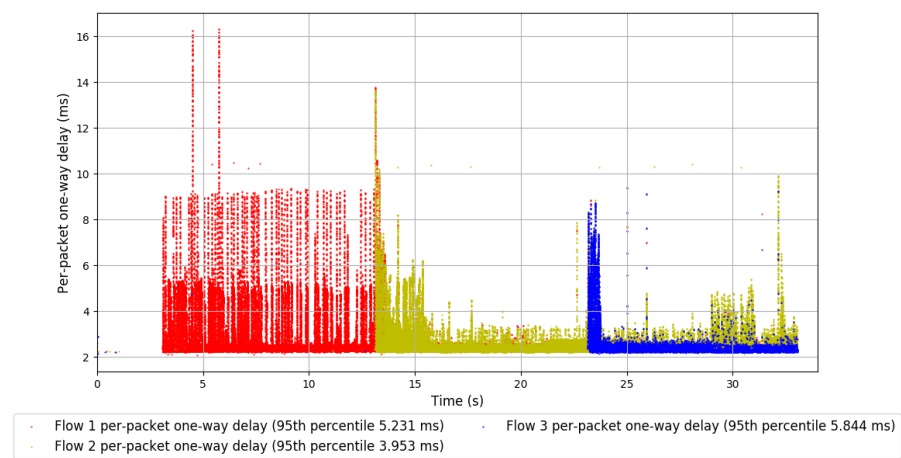
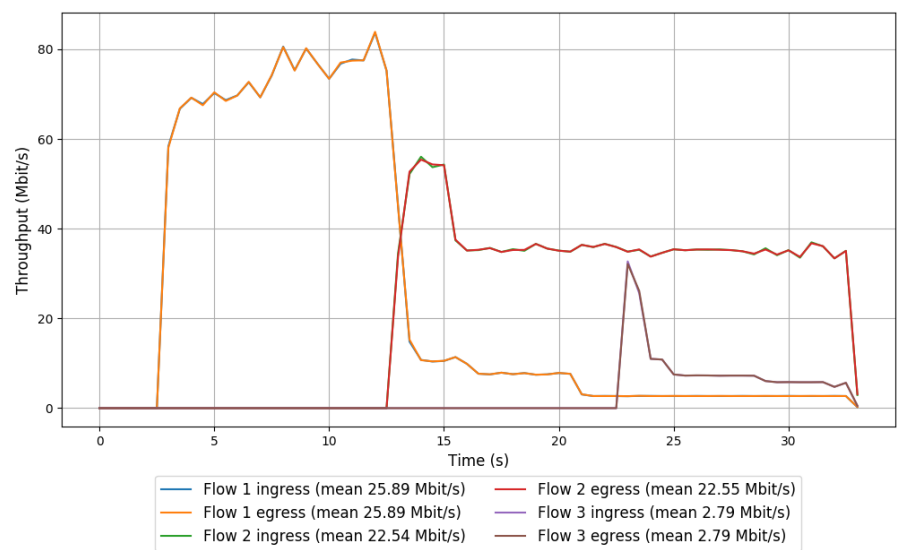
-- Flow 3:

Average throughput: 2.79 Mbit/s

95th percentile per-packet one-way delay: 5.844 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 10:46:38 +0000

End at: Sat, 01 Jul 2017 10:47:08 +0000

Local clock offset: 0.159 ms

Remote clock offset: 0.016 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:56:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.54 Mbit/s

95th percentile per-packet one-way delay: 5.182 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.12 Mbit/s

95th percentile per-packet one-way delay: 5.278 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 6.738 ms

Loss rate: 0.00%

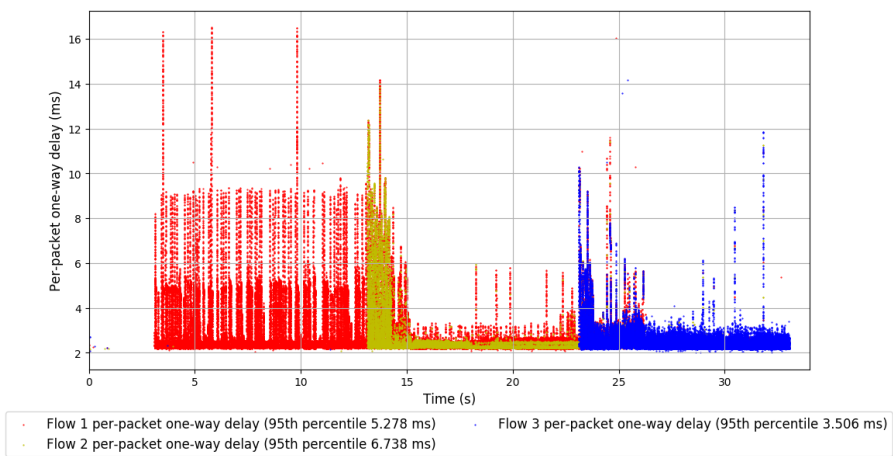
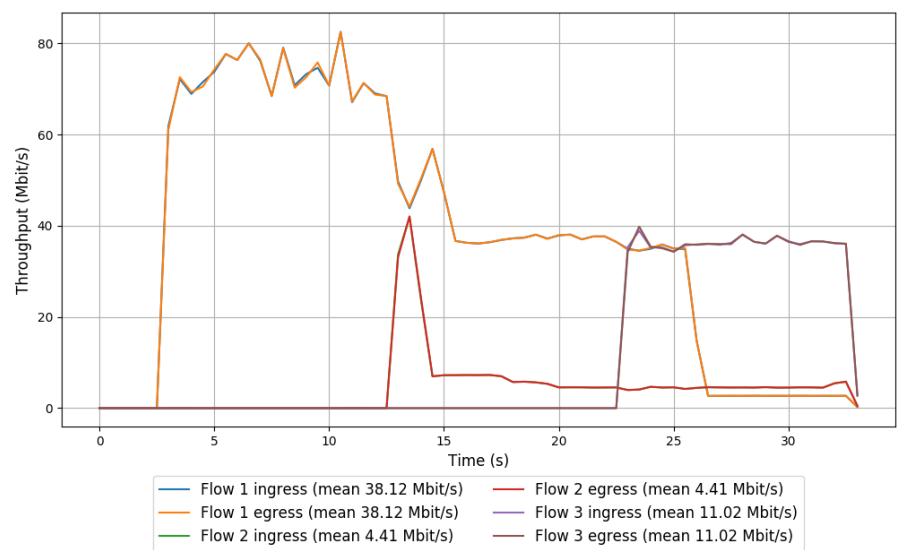
-- Flow 3:

Average throughput: 11.02 Mbit/s

95th percentile per-packet one-way delay: 3.506 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 11:03:45 +0000

End at: Sat, 01 Jul 2017 11:04:15 +0000

Local clock offset: 0.171 ms

Remote clock offset: -0.034 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:56:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.12 Mbit/s

95th percentile per-packet one-way delay: 5.043 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 6.071 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.74 Mbit/s

95th percentile per-packet one-way delay: 3.966 ms

Loss rate: 0.00%

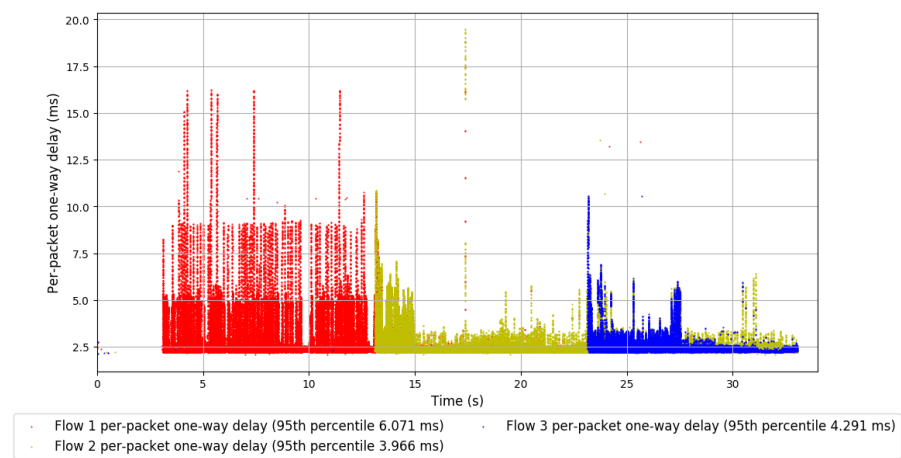
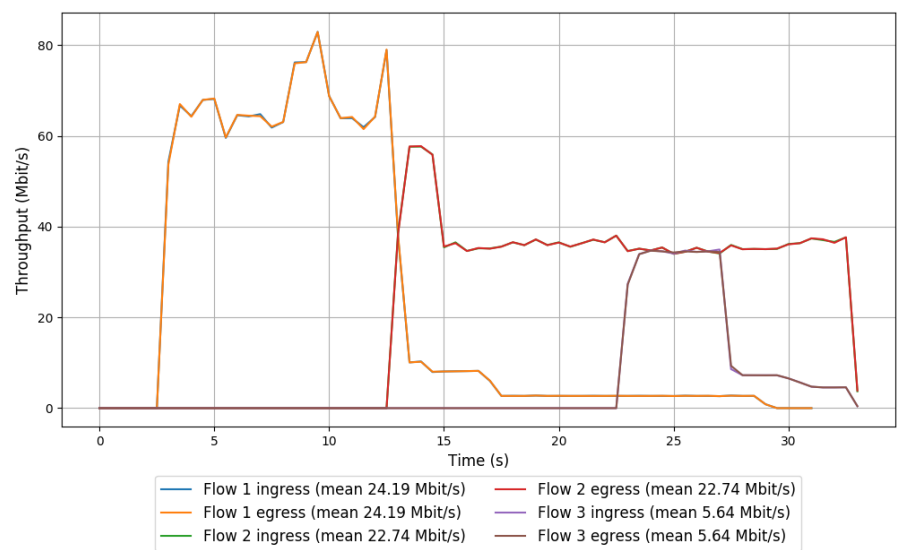
-- Flow 3:

Average throughput: 5.64 Mbit/s

95th percentile per-packet one-way delay: 4.291 ms

Loss rate: 0.00%

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



Run 8: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 11:20:51 +0000

End at: Sat, 01 Jul 2017 11:21:21 +0000

Local clock offset: 0.096 ms

Remote clock offset: -0.01 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:57:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.21 Mbit/s

95th percentile per-packet one-way delay: 4.880 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 5.571 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.79 Mbit/s

95th percentile per-packet one-way delay: 3.105 ms

Loss rate: 0.00%

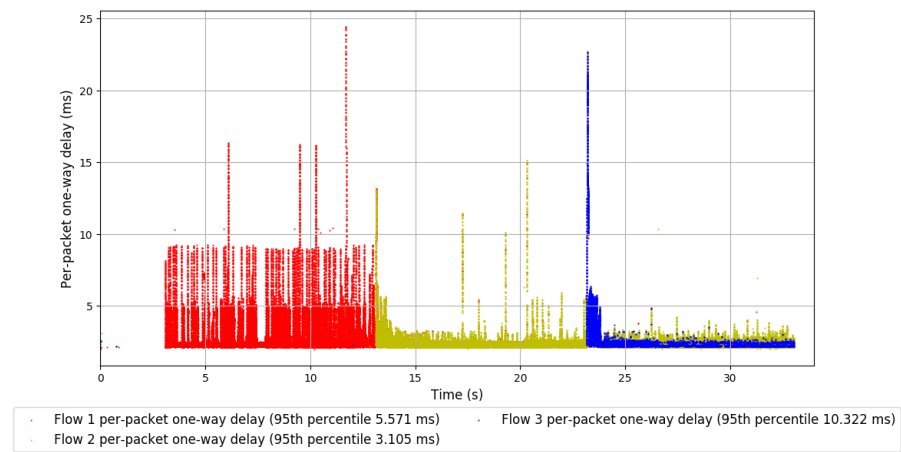
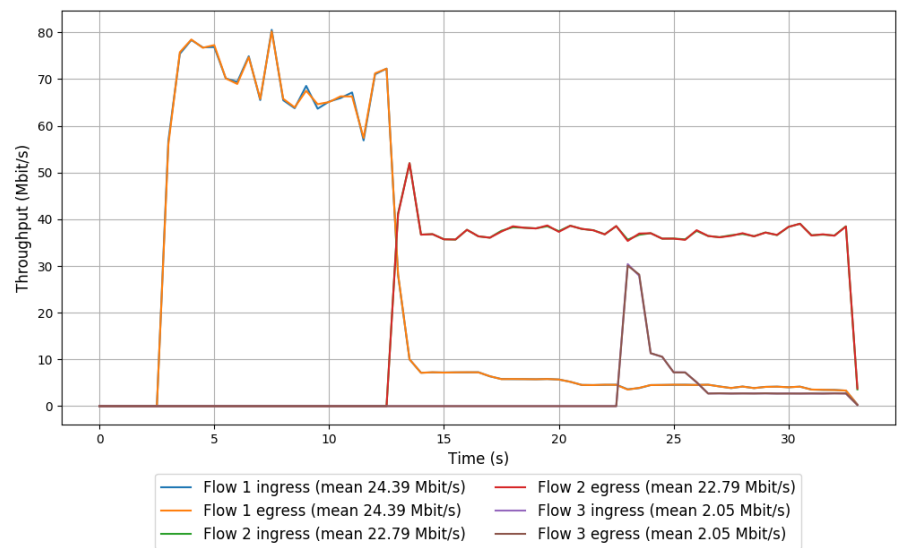
-- Flow 3:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 10.322 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 11:38:00 +0000

End at: Sat, 01 Jul 2017 11:38:30 +0000

Local clock offset: -0.017 ms

Remote clock offset: 0.044 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:57:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.27 Mbit/s

95th percentile per-packet one-way delay: 5.398 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 25.77 Mbit/s

95th percentile per-packet one-way delay: 6.091 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.33 Mbit/s

95th percentile per-packet one-way delay: 4.965 ms

Loss rate: 0.00%

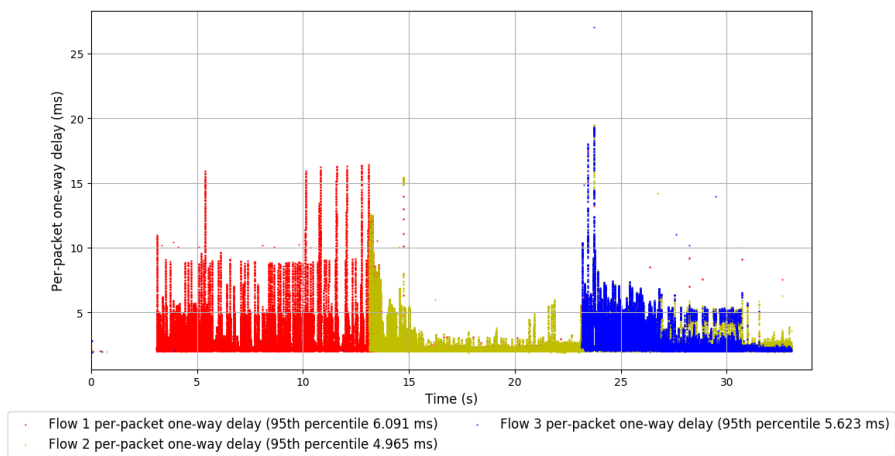
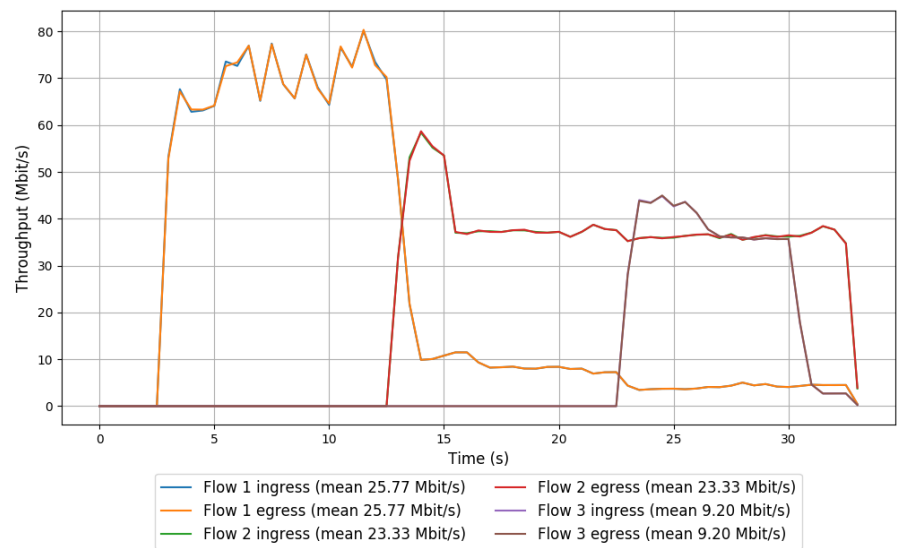
-- Flow 3:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 5.623 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 11:55:09 +0000

End at: Sat, 01 Jul 2017 11:55:39 +0000

Local clock offset: -0.544 ms

Remote clock offset: 0.135 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:57:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.86 Mbit/s

95th percentile per-packet one-way delay: 4.071 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 19.46 Mbit/s

95th percentile per-packet one-way delay: 4.358 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 3.132 ms

Loss rate: 0.00%

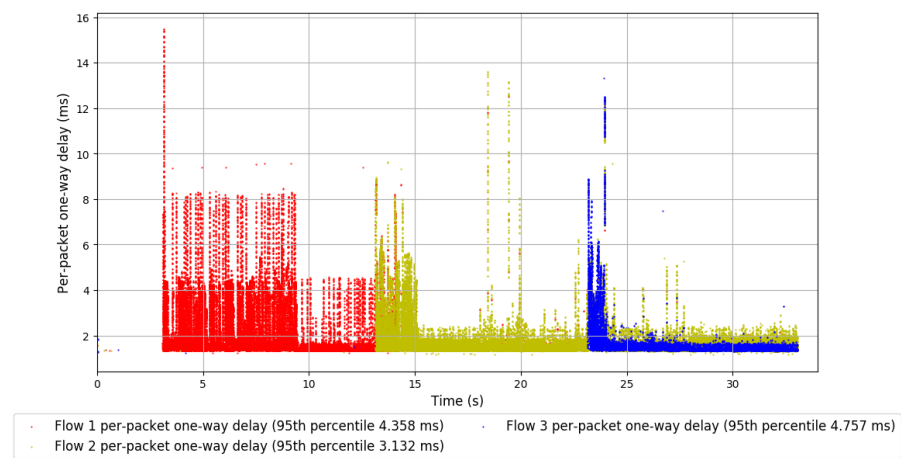
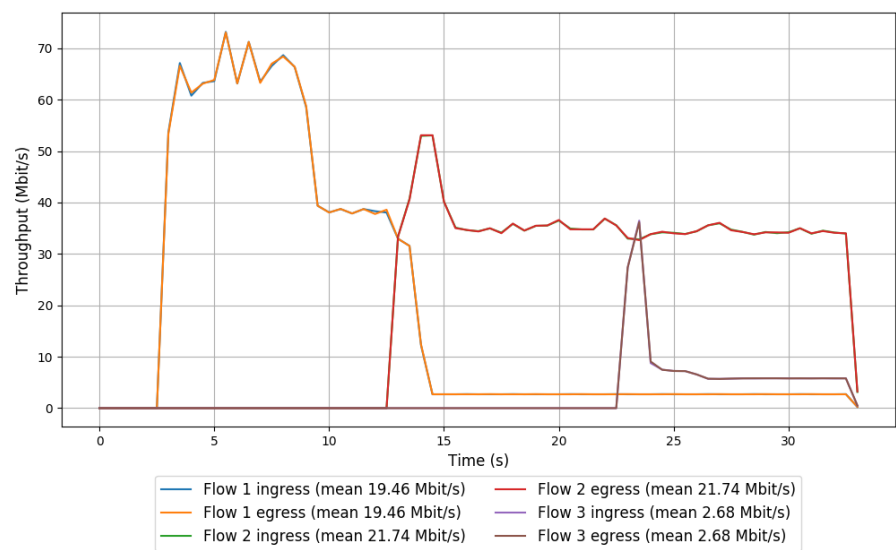
-- Flow 3:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 4.757 ms

Loss rate: 0.00%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 09:11:22 +0000

End at: Sat, 01 Jul 2017 09:11:52 +0000

Local clock offset: 0.114 ms

Remote clock offset: -0.098 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:58:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.87 Mbit/s

95th percentile per-packet one-way delay: 3.962 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.99 Mbit/s

95th percentile per-packet one-way delay: 3.967 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.81 Mbit/s

95th percentile per-packet one-way delay: 3.929 ms

Loss rate: 0.00%

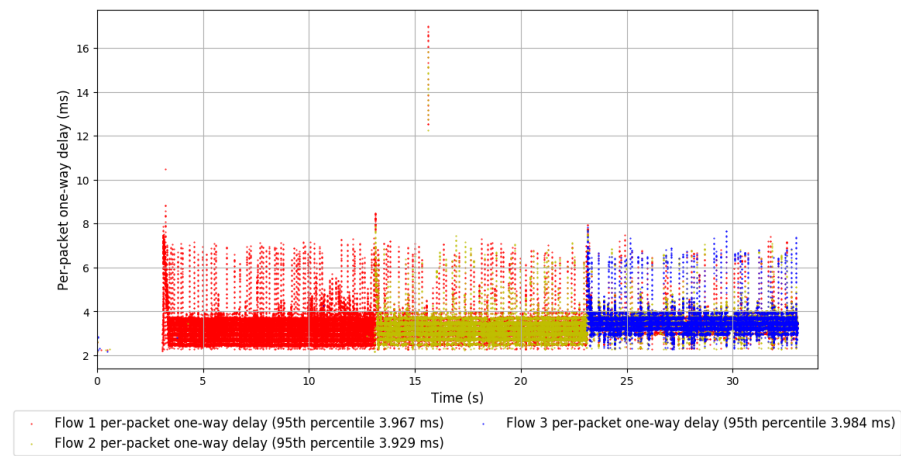
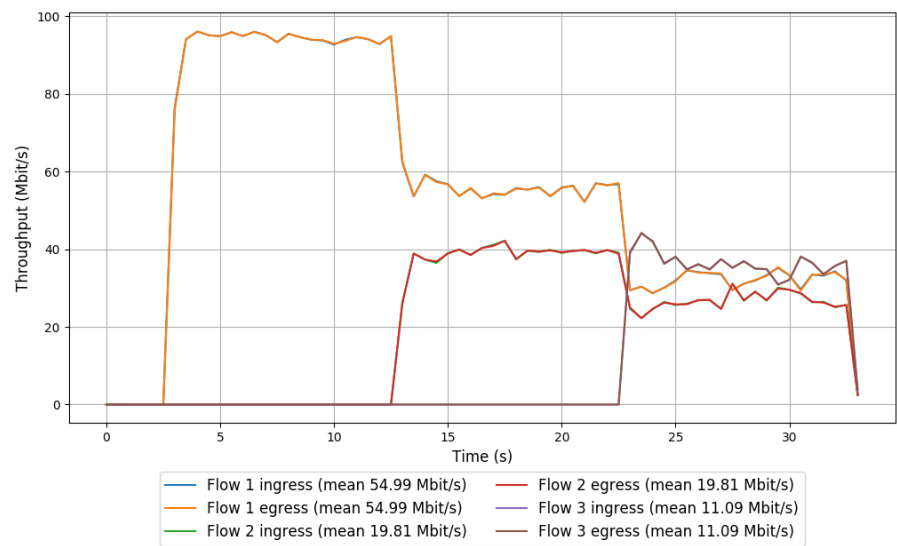
-- Flow 3:

Average throughput: 11.09 Mbit/s

95th percentile per-packet one-way delay: 3.984 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 09:28:13 +0000

End at: Sat, 01 Jul 2017 09:28:43 +0000

Local clock offset: -0.482 ms

Remote clock offset: -0.035 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:58:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.55 Mbit/s

95th percentile per-packet one-way delay: 3.383 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 52.23 Mbit/s

95th percentile per-packet one-way delay: 3.186 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.57 Mbit/s

95th percentile per-packet one-way delay: 3.354 ms

Loss rate: 0.00%

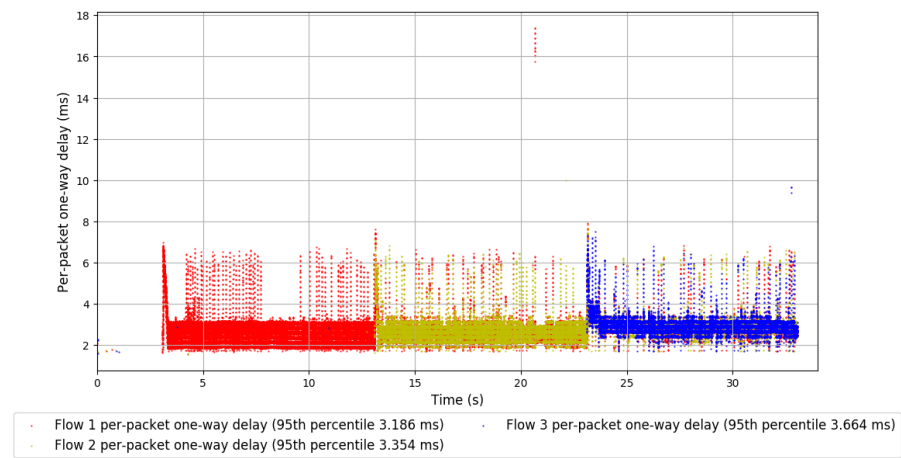
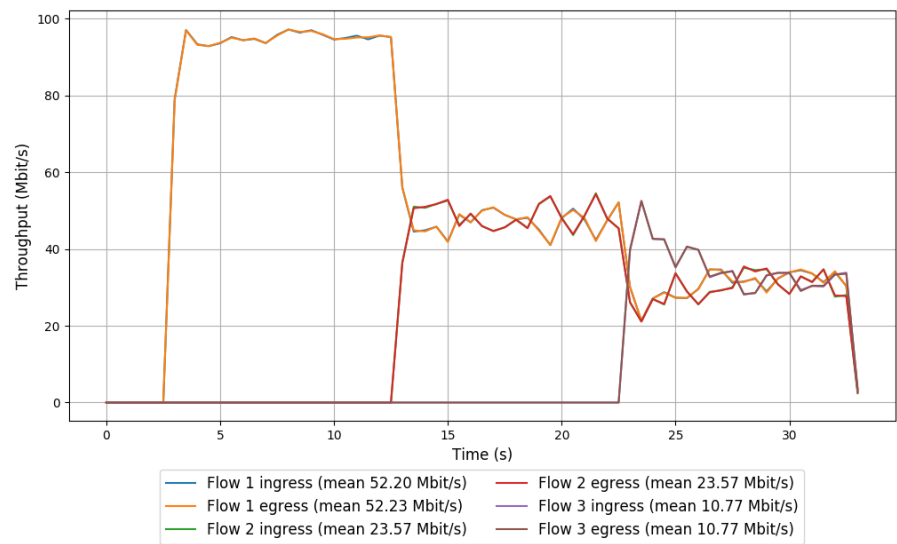
-- Flow 3:

Average throughput: 10.77 Mbit/s

95th percentile per-packet one-way delay: 3.664 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 09:45:09 +0000

End at: Sat, 01 Jul 2017 09:45:39 +0000

Local clock offset: -0.167 ms

Remote clock offset: 0.114 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:59:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.08 Mbit/s

95th percentile per-packet one-way delay: 3.706 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.50 Mbit/s

95th percentile per-packet one-way delay: 3.699 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.41 Mbit/s

95th percentile per-packet one-way delay: 3.516 ms

Loss rate: 0.00%

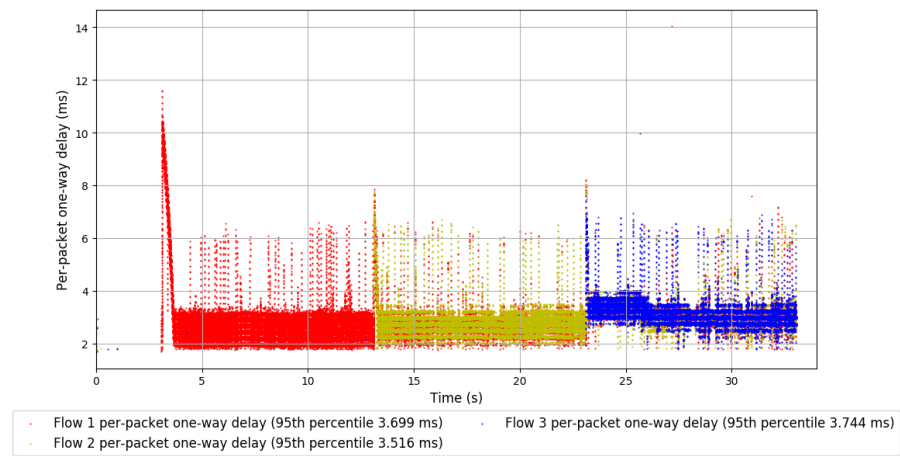
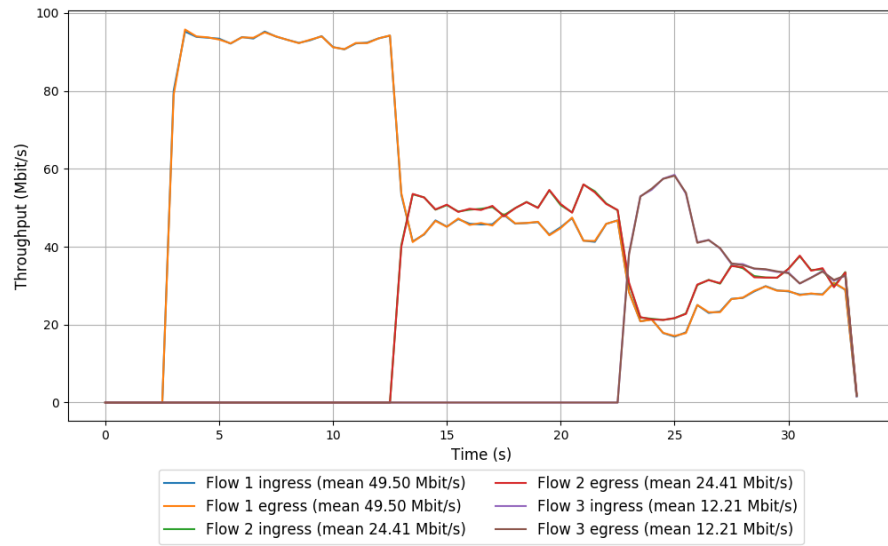
-- Flow 3:

Average throughput: 12.21 Mbit/s

95th percentile per-packet one-way delay: 3.744 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:02:16 +0000

End at: Sat, 01 Jul 2017 10:02:46 +0000

Local clock offset: 0.069 ms

Remote clock offset: -0.071 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:59:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.46 Mbit/s

95th percentile per-packet one-way delay: 3.740 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.78 Mbit/s

95th percentile per-packet one-way delay: 3.663 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.18 Mbit/s

95th percentile per-packet one-way delay: 3.722 ms

Loss rate: 0.00%

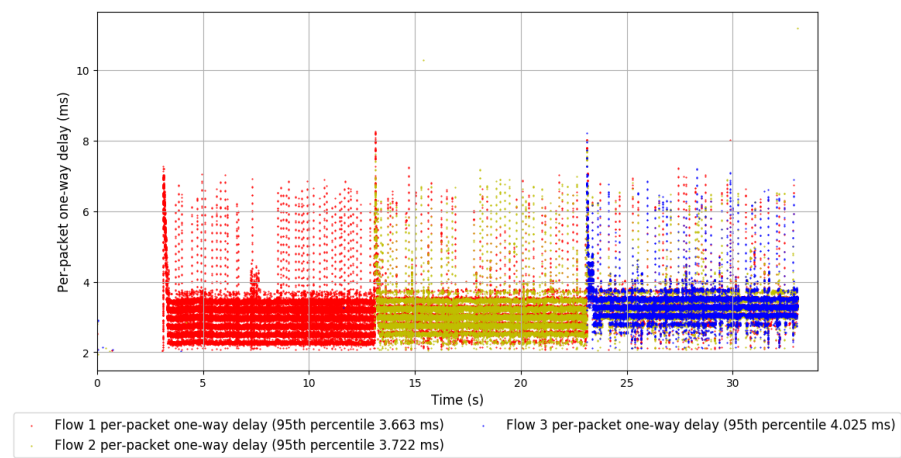
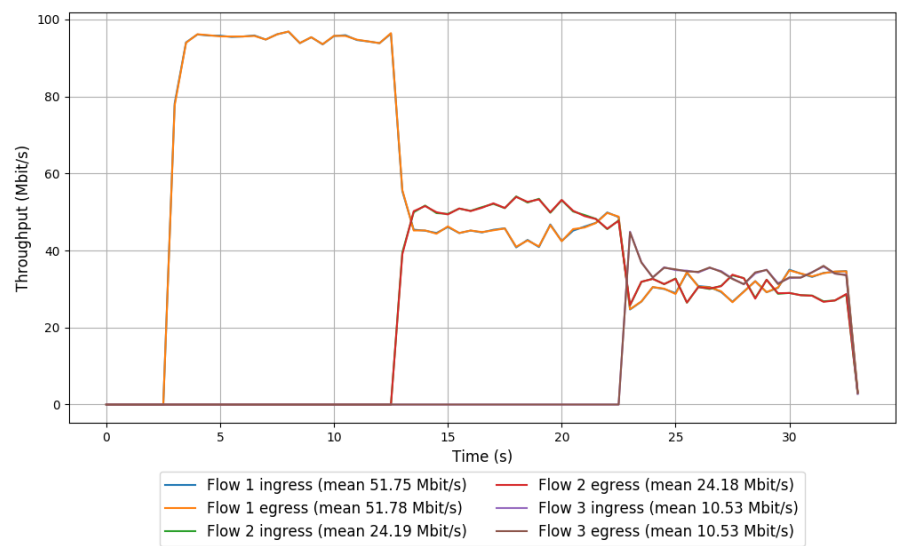
-- Flow 3:

Average throughput: 10.53 Mbit/s

95th percentile per-packet one-way delay: 4.025 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:19:21 +0000

End at: Sat, 01 Jul 2017 10:19:51 +0000

Local clock offset: 0.047 ms

Remote clock offset: -0.005 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:00:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.08 Mbit/s

95th percentile per-packet one-way delay: 4.303 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 4.321 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.60 Mbit/s

95th percentile per-packet one-way delay: 4.018 ms

Loss rate: 0.00%

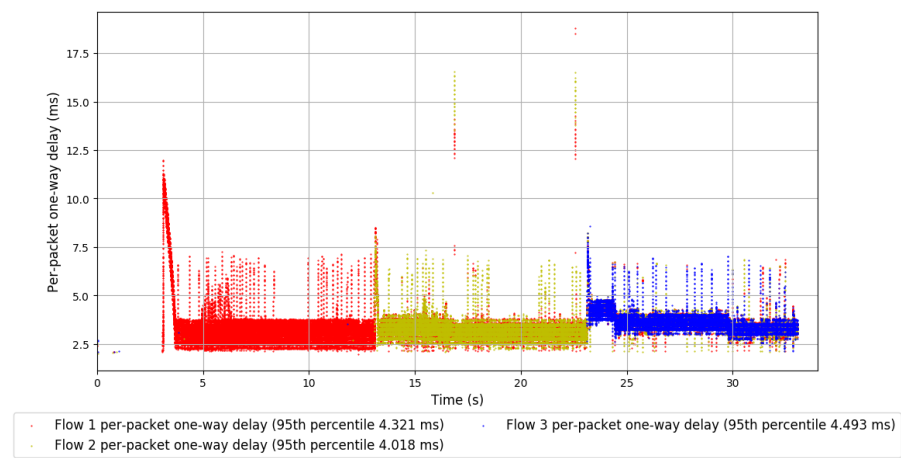
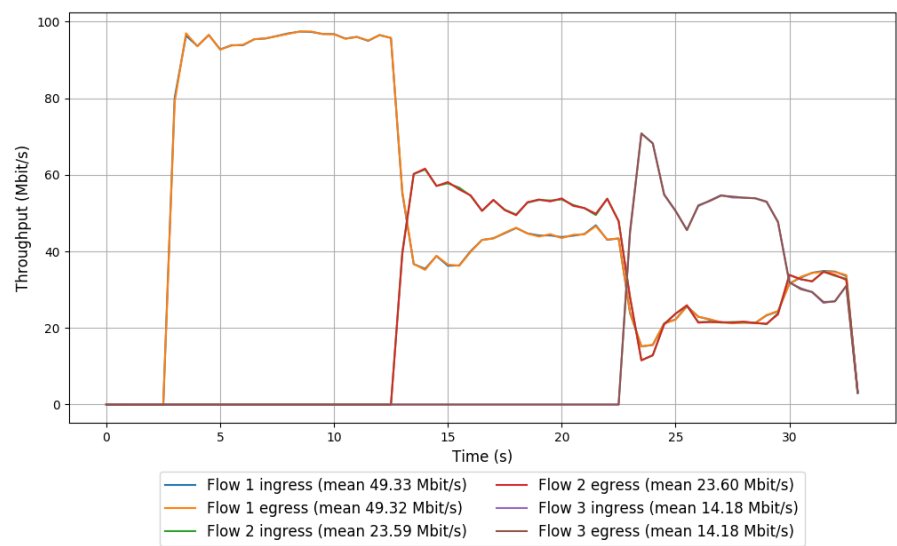
-- Flow 3:

Average throughput: 14.18 Mbit/s

95th percentile per-packet one-way delay: 4.493 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:36:25 +0000

End at: Sat, 01 Jul 2017 10:36:55 +0000

Local clock offset: 0.104 ms

Remote clock offset: -0.086 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:00:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 4.092 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 51.08 Mbit/s

95th percentile per-packet one-way delay: 4.243 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.50 Mbit/s

95th percentile per-packet one-way delay: 3.920 ms

Loss rate: 0.00%

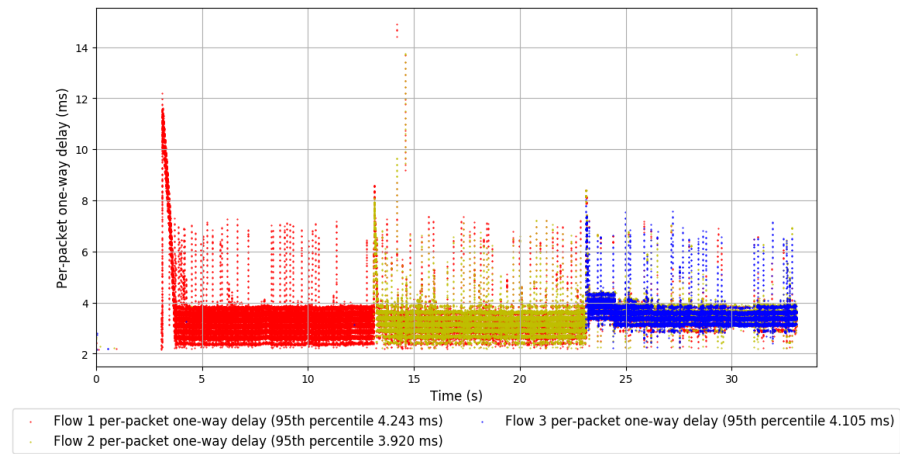
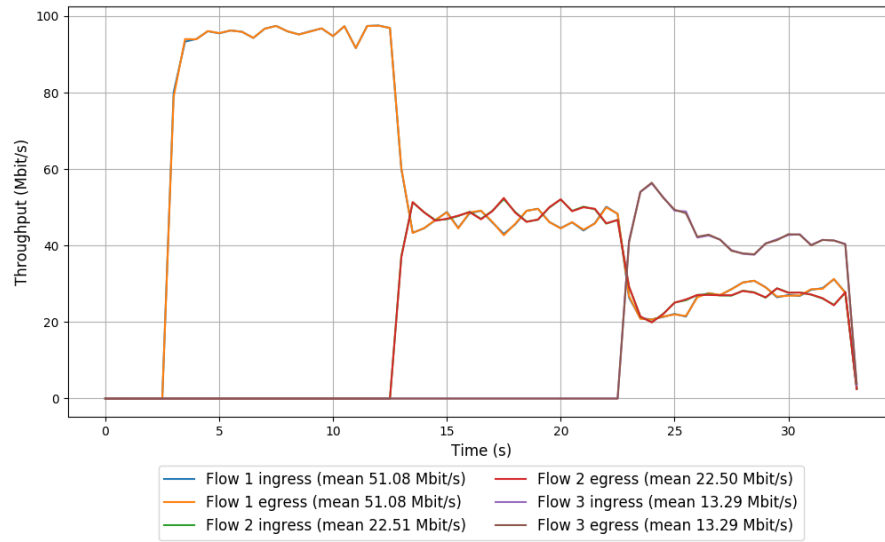
-- Flow 3:

Average throughput: 13.29 Mbit/s

95th percentile per-packet one-way delay: 4.105 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:53:34 +0000

End at: Sat, 01 Jul 2017 10:54:04 +0000

Local clock offset: 0.161 ms

Remote clock offset: 0.019 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:00:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.50 Mbit/s

95th percentile per-packet one-way delay: 4.579 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.63 Mbit/s

95th percentile per-packet one-way delay: 6.885 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.39 Mbit/s

95th percentile per-packet one-way delay: 3.998 ms

Loss rate: 0.00%

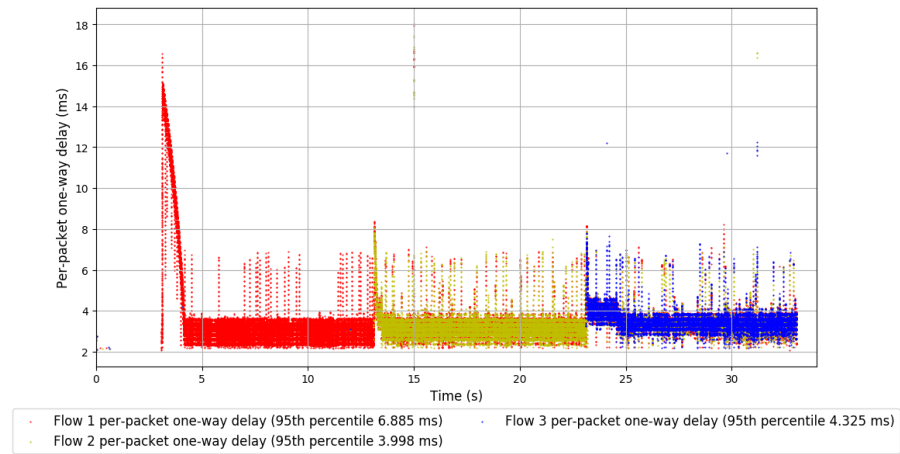
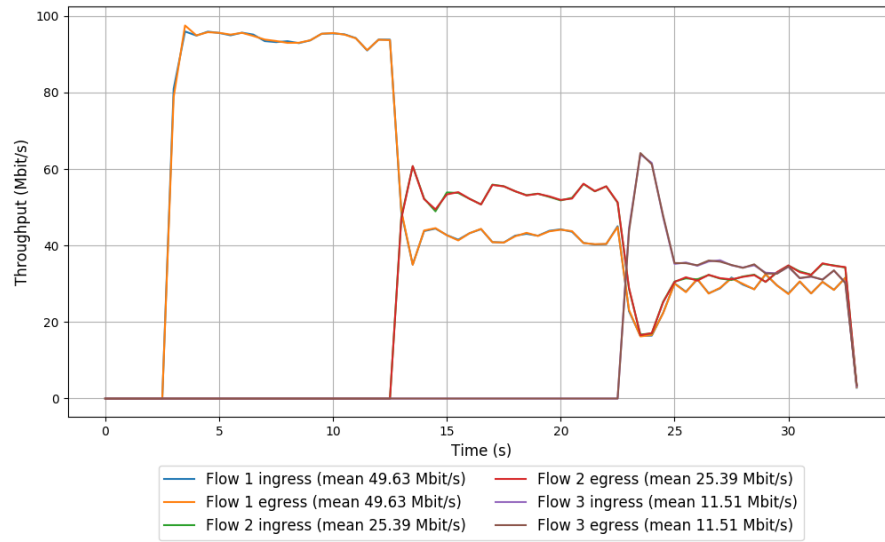
-- Flow 3:

Average throughput: 11.51 Mbit/s

95th percentile per-packet one-way delay: 4.325 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 11:10:40 +0000

End at: Sat, 01 Jul 2017 11:11:10 +0000

Local clock offset: 0.115 ms

Remote clock offset: 0.017 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:00:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.39 Mbit/s

95th percentile per-packet one-way delay: 4.555 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.80 Mbit/s

95th percentile per-packet one-way delay: 3.827 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.13 Mbit/s

95th percentile per-packet one-way delay: 4.833 ms

Loss rate: 0.00%

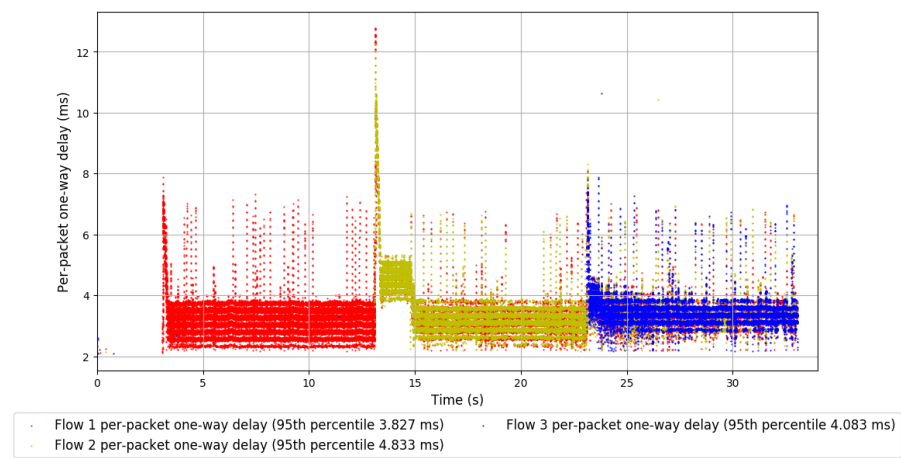
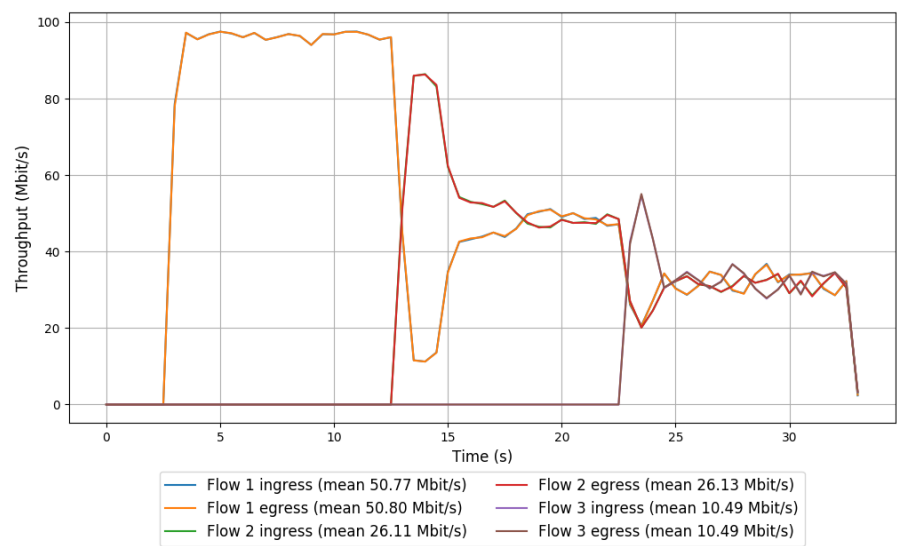
-- Flow 3:

Average throughput: 10.49 Mbit/s

95th percentile per-packet one-way delay: 4.083 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 11:27:47 +0000

End at: Sat, 01 Jul 2017 11:28:17 +0000

Local clock offset: 0.029 ms

Remote clock offset: -0.056 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:01:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 4.056 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.20 Mbit/s

95th percentile per-packet one-way delay: 5.599 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.19 Mbit/s

95th percentile per-packet one-way delay: 3.793 ms

Loss rate: 0.00%

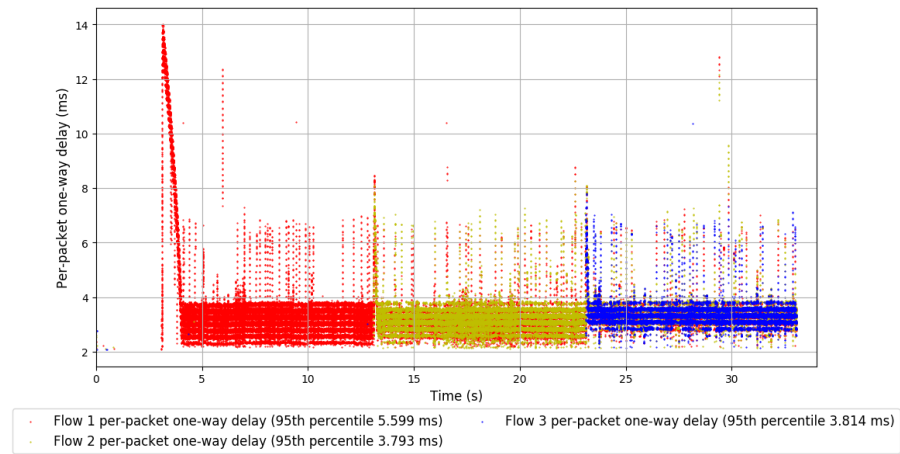
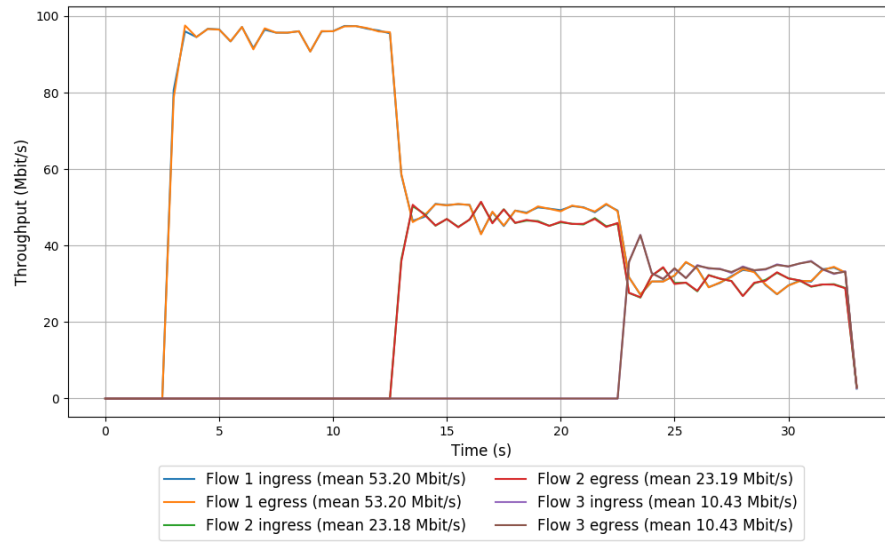
-- Flow 3:

Average throughput: 10.43 Mbit/s

95th percentile per-packet one-way delay: 3.814 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 11:44:56 +0000

End at: Sat, 01 Jul 2017 11:45:26 +0000

Local clock offset: -0.022 ms

Remote clock offset: 0.121 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:01:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.55 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.69 Mbit/s

95th percentile per-packet one-way delay: 3.985 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.82 Mbit/s

95th percentile per-packet one-way delay: 3.538 ms

Loss rate: 0.00%

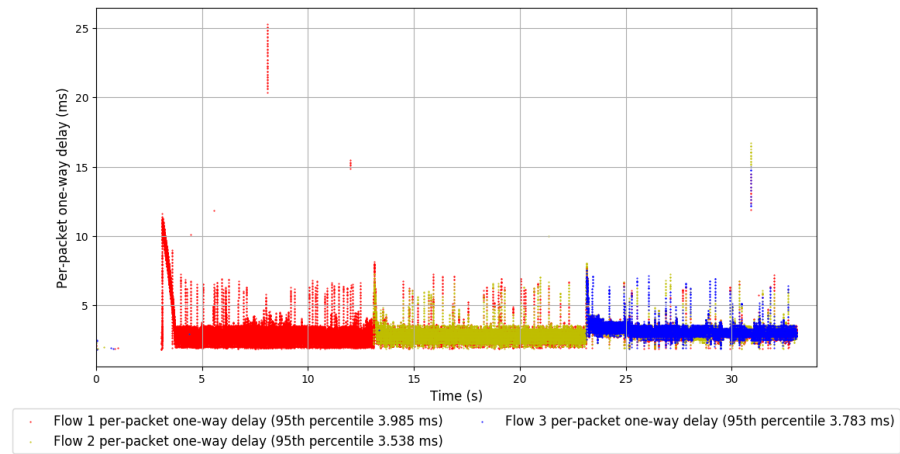
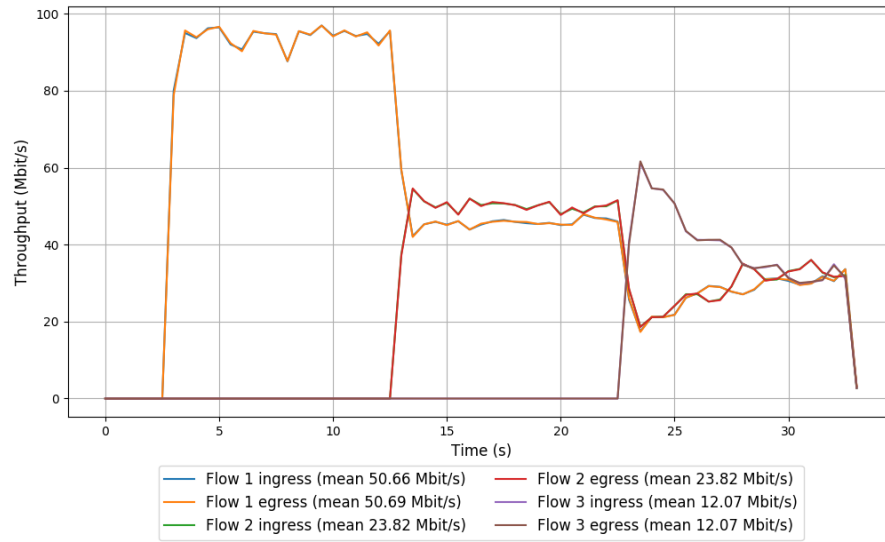
-- Flow 3:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 3.783 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:09:02 +0000

End at: Sat, 01 Jul 2017 09:09:32 +0000

Local clock offset: -0.066 ms

Remote clock offset: -0.047 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:02:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 32.679 ms

Loss rate: 9.47%

-- Flow 1:

Average throughput: 36.29 Mbit/s

95th percentile per-packet one-way delay: 31.161 ms

Loss rate: 7.58%

-- Flow 2:

Average throughput: 12.35 Mbit/s

95th percentile per-packet one-way delay: 34.431 ms

Loss rate: 8.43%

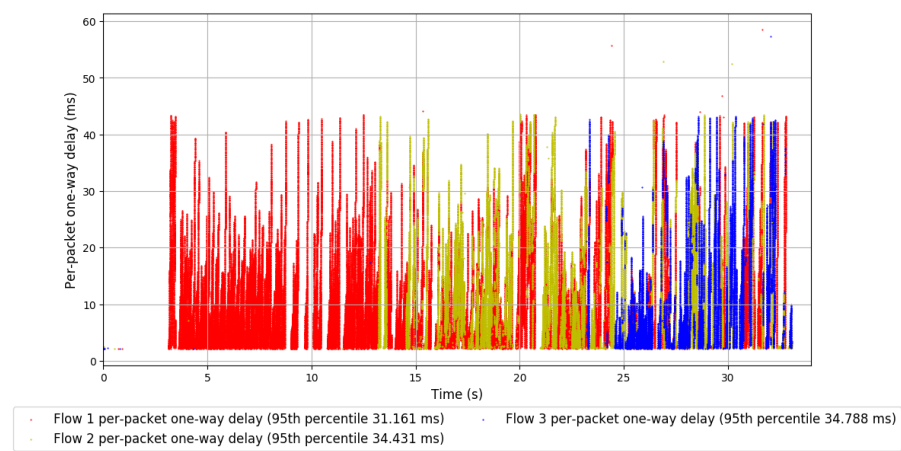
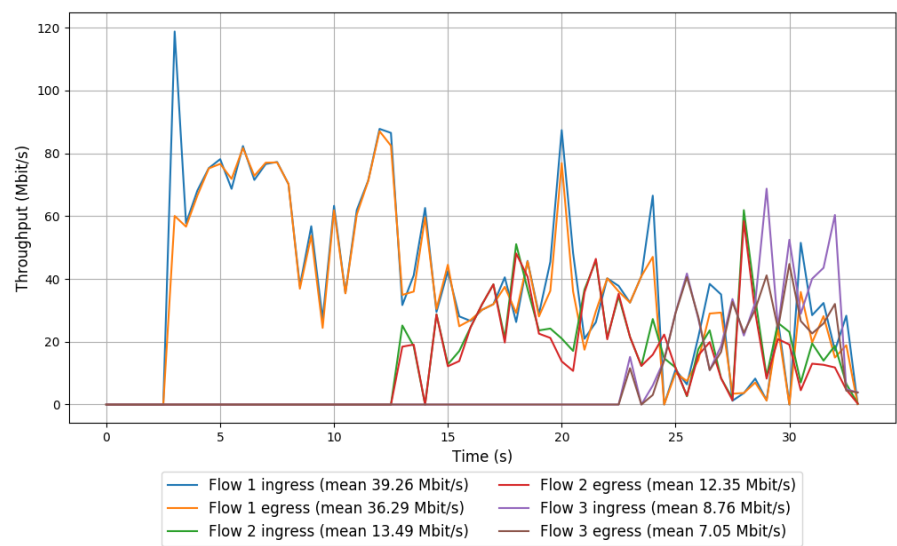
-- Flow 3:

Average throughput: 7.05 Mbit/s

95th percentile per-packet one-way delay: 34.788 ms

Loss rate: 19.59%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:25:52 +0000

End at: Sat, 01 Jul 2017 09:26:22 +0000

Local clock offset: -0.345 ms

Remote clock offset: -0.004 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:02:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.77 Mbit/s

95th percentile per-packet one-way delay: 30.358 ms

Loss rate: 6.43%

-- Flow 1:

Average throughput: 41.05 Mbit/s

95th percentile per-packet one-way delay: 27.950 ms

Loss rate: 3.84%

-- Flow 2:

Average throughput: 18.19 Mbit/s

95th percentile per-packet one-way delay: 34.468 ms

Loss rate: 12.41%

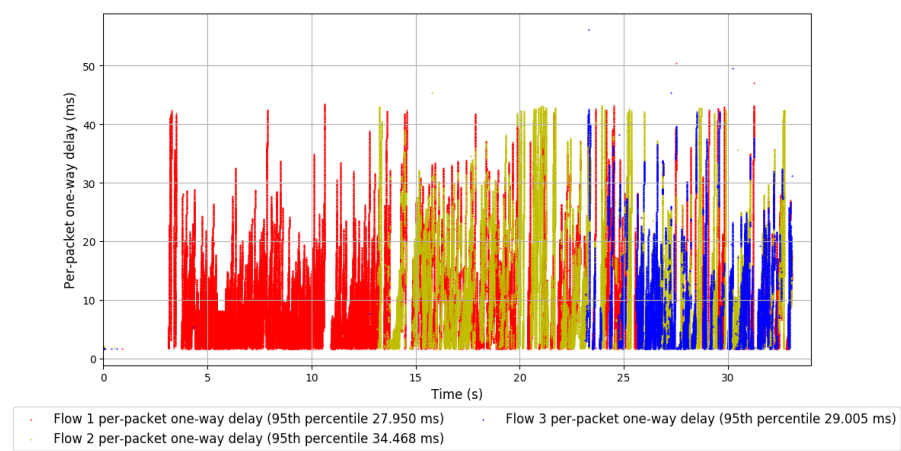
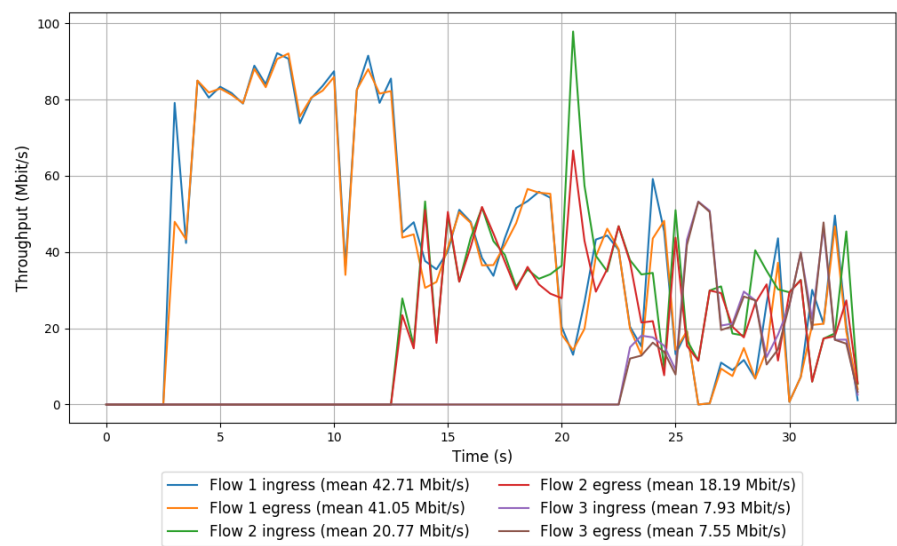
-- Flow 3:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 29.005 ms

Loss rate: 4.73%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:42:48 +0000

End at: Sat, 01 Jul 2017 09:43:18 +0000

Local clock offset: -0.194 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:02:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.13 Mbit/s

95th percentile per-packet one-way delay: 26.695 ms

Loss rate: 4.59%

-- Flow 1:

Average throughput: 44.43 Mbit/s

95th percentile per-packet one-way delay: 23.829 ms

Loss rate: 1.96%

-- Flow 2:

Average throughput: 18.08 Mbit/s

95th percentile per-packet one-way delay: 29.226 ms

Loss rate: 8.27%

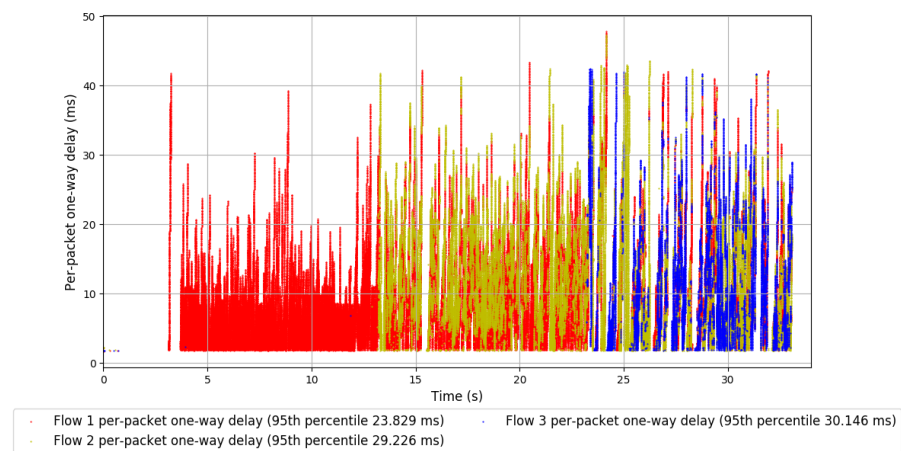
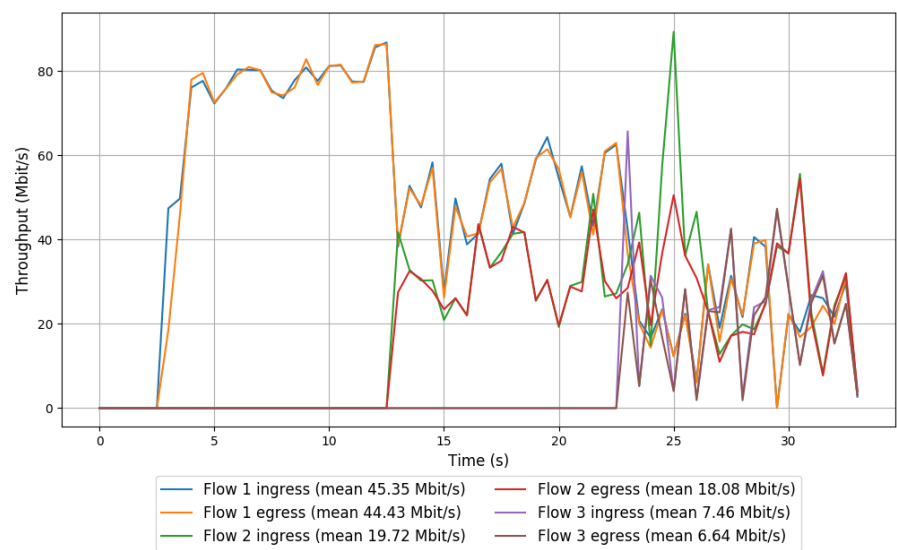
-- Flow 3:

Average throughput: 6.64 Mbit/s

95th percentile per-packet one-way delay: 30.146 ms

Loss rate: 10.85%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:59:55 +0000

End at: Sat, 01 Jul 2017 10:00:25 +0000

Local clock offset: 0.026 ms

Remote clock offset: 0.012 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:02:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.60 Mbit/s

95th percentile per-packet one-way delay: 31.362 ms

Loss rate: 9.05%

-- Flow 1:

Average throughput: 42.18 Mbit/s

95th percentile per-packet one-way delay: 29.717 ms

Loss rate: 7.08%

-- Flow 2:

Average throughput: 16.57 Mbit/s

95th percentile per-packet one-way delay: 33.334 ms

Loss rate: 10.74%

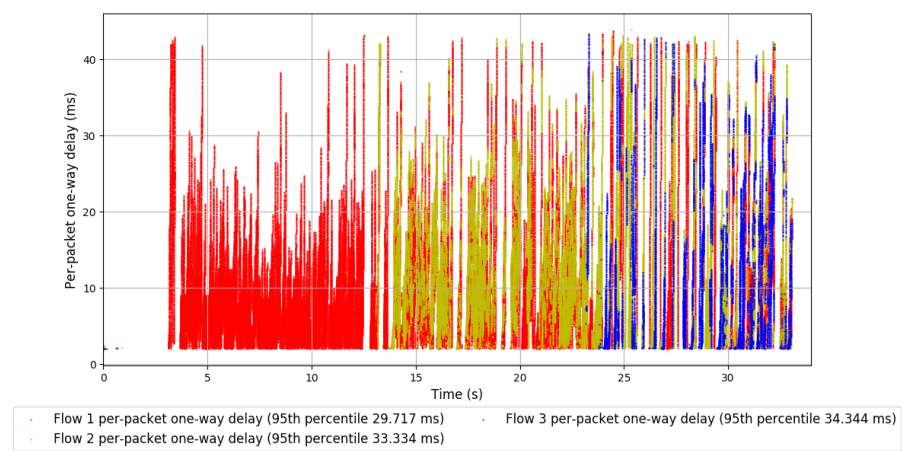
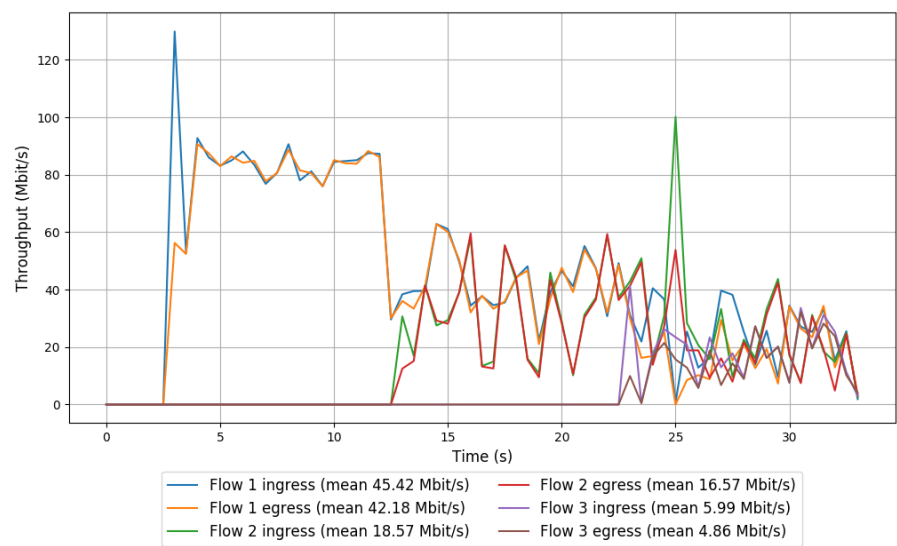
-- Flow 3:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 34.344 ms

Loss rate: 18.74%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sat, 01 Jul 2017 10:17:01 +0000

End at: Sat, 01 Jul 2017 10:17:31 +0000

Local clock offset: 0.005 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:03:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.00 Mbit/s

95th percentile per-packet one-way delay: 28.420 ms

Loss rate: 5.58%

-- Flow 1:

Average throughput: 42.59 Mbit/s

95th percentile per-packet one-way delay: 27.349 ms

Loss rate: 4.97%

-- Flow 2:

Average throughput: 17.58 Mbit/s

95th percentile per-packet one-way delay: 29.551 ms

Loss rate: 6.03%

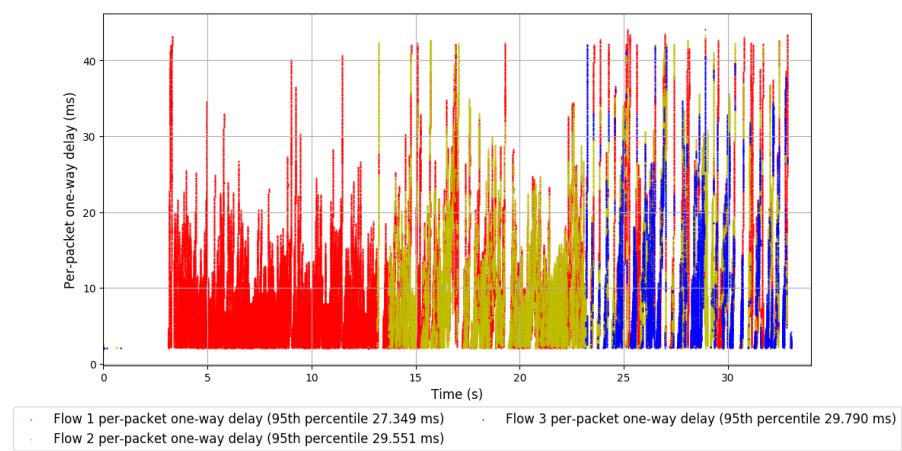
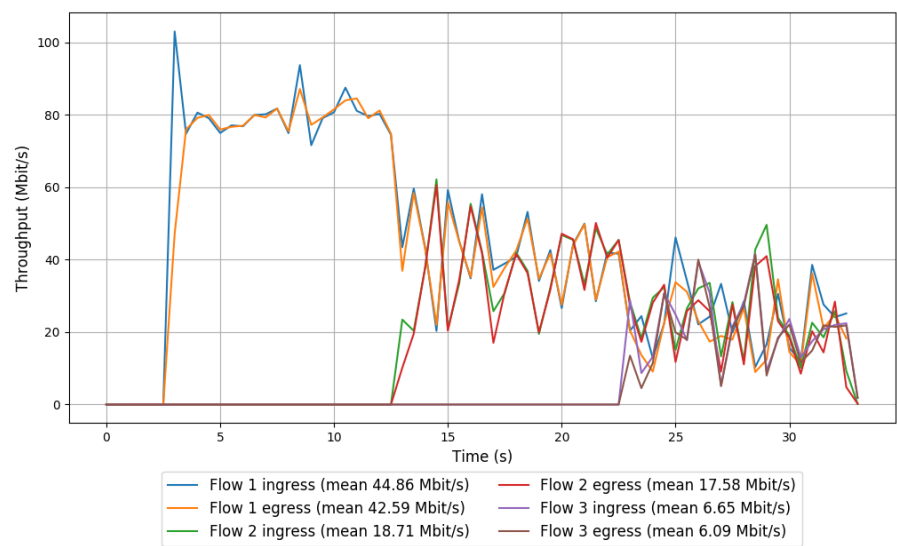
-- Flow 3:

Average throughput: 6.09 Mbit/s

95th percentile per-packet one-way delay: 29.790 ms

Loss rate: 8.49%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sat, 01 Jul 2017 10:34:04 +0000

End at: Sat, 01 Jul 2017 10:34:34 +0000

Local clock offset: 0.113 ms

Remote clock offset: -0.059 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:03:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.65 Mbit/s

95th percentile per-packet one-way delay: 27.354 ms

Loss rate: 5.83%

-- Flow 1:

Average throughput: 43.11 Mbit/s

95th percentile per-packet one-way delay: 23.746 ms

Loss rate: 3.52%

-- Flow 2:

Average throughput: 16.81 Mbit/s

95th percentile per-packet one-way delay: 29.876 ms

Loss rate: 6.90%

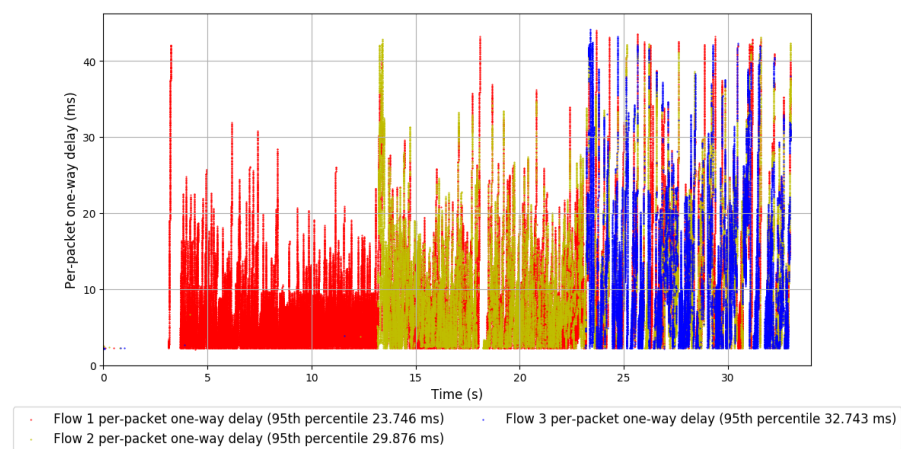
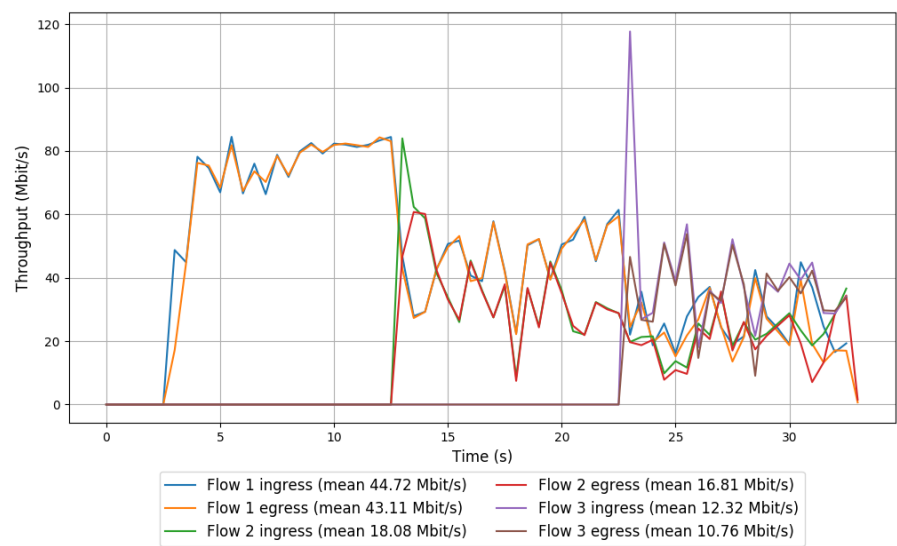
-- Flow 3:

Average throughput: 10.76 Mbit/s

95th percentile per-packet one-way delay: 32.743 ms

Loss rate: 12.63%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sat, 01 Jul 2017 10:51:13 +0000

End at: Sat, 01 Jul 2017 10:51:43 +0000

Local clock offset: 0.129 ms

Remote clock offset: 0.037 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:03:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.59 Mbit/s

95th percentile per-packet one-way delay: 25.413 ms

Loss rate: 3.82%

-- Flow 1:

Average throughput: 37.74 Mbit/s

95th percentile per-packet one-way delay: 23.195 ms

Loss rate: 3.60%

-- Flow 2:

Average throughput: 19.32 Mbit/s

95th percentile per-packet one-way delay: 24.670 ms

Loss rate: 2.86%

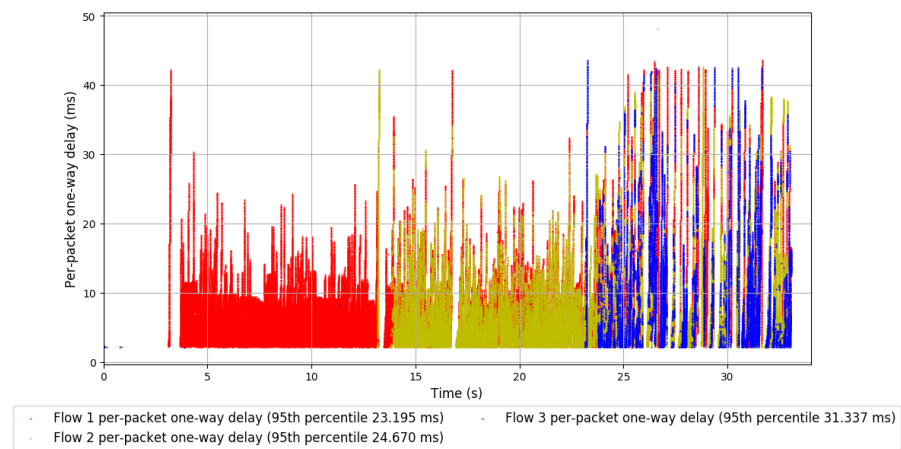
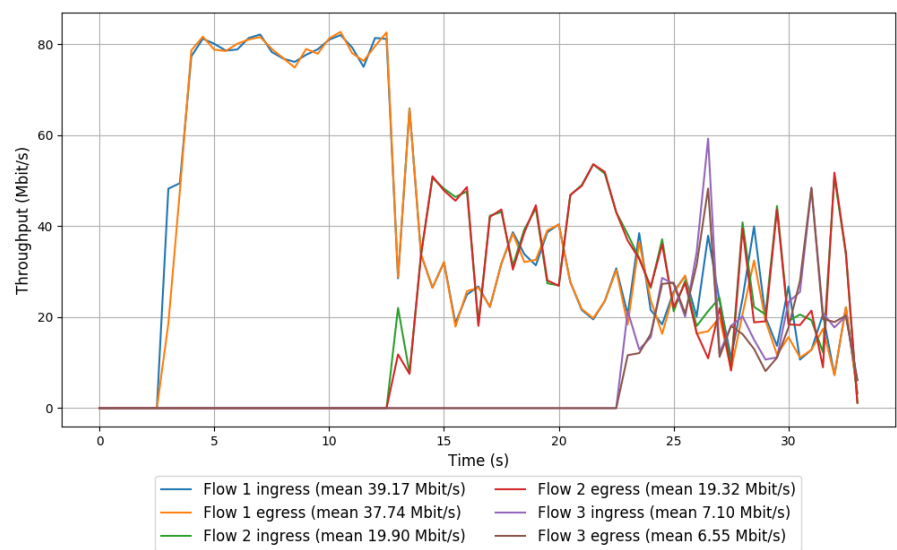
-- Flow 3:

Average throughput: 6.55 Mbit/s

95th percentile per-packet one-way delay: 31.337 ms

Loss rate: 7.72%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sat, 01 Jul 2017 11:08:20 +0000

End at: Sat, 01 Jul 2017 11:08:50 +0000

Local clock offset: 0.082 ms

Remote clock offset: 0.031 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:04:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.00 Mbit/s

95th percentile per-packet one-way delay: 27.593 ms

Loss rate: 4.81%

-- Flow 1:

Average throughput: 40.17 Mbit/s

95th percentile per-packet one-way delay: 24.454 ms

Loss rate: 3.43%

-- Flow 2:

Average throughput: 18.46 Mbit/s

95th percentile per-packet one-way delay: 29.136 ms

Loss rate: 5.27%

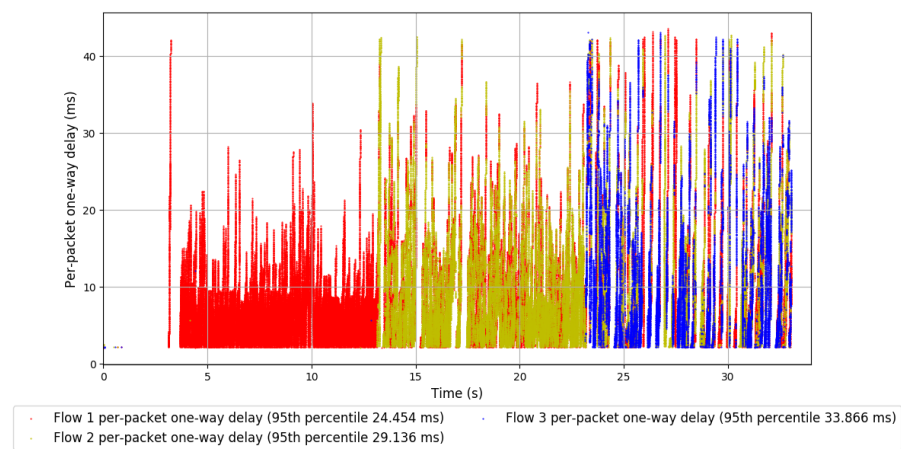
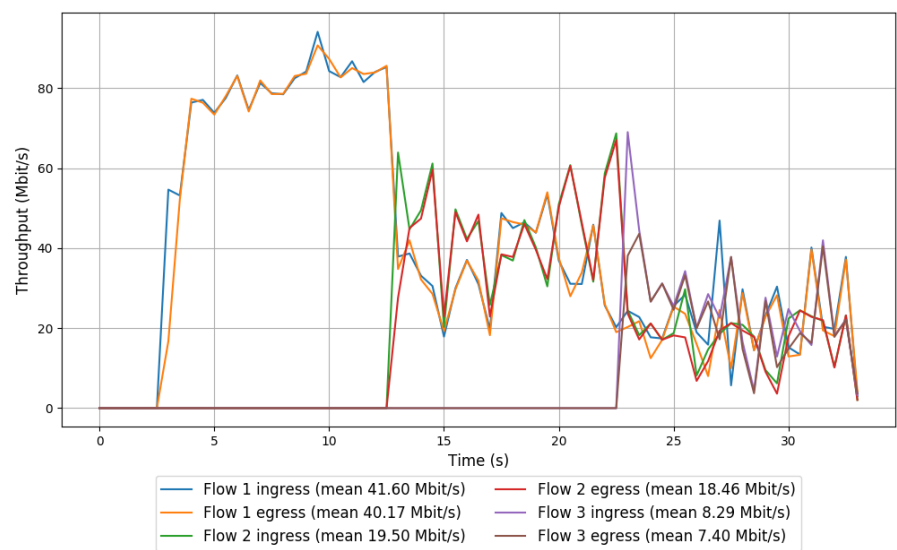
-- Flow 3:

Average throughput: 7.40 Mbit/s

95th percentile per-packet one-way delay: 33.866 ms

Loss rate: 10.68%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sat, 01 Jul 2017 11:25:26 +0000

End at: Sat, 01 Jul 2017 11:25:56 +0000

Local clock offset: 0.007 ms

Remote clock offset: -0.024 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:04:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.13 Mbit/s

95th percentile per-packet one-way delay: 29.081 ms

Loss rate: 6.80%

-- Flow 1:

Average throughput: 40.58 Mbit/s

95th percentile per-packet one-way delay: 25.575 ms

Loss rate: 3.58%

-- Flow 2:

Average throughput: 18.42 Mbit/s

95th percentile per-packet one-way delay: 30.608 ms

Loss rate: 5.24%

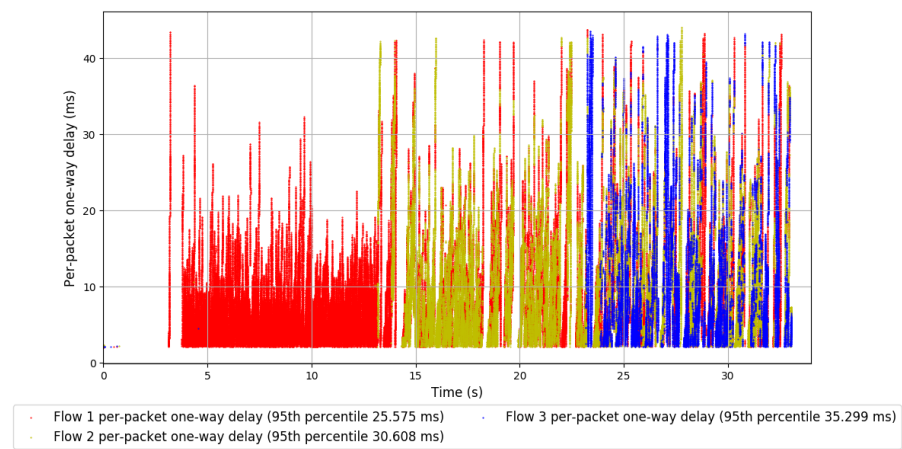
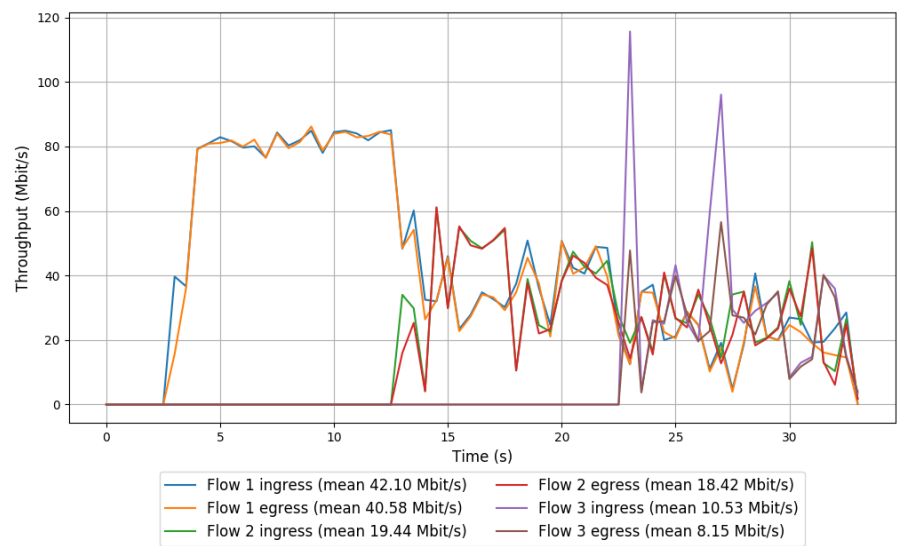
-- Flow 3:

Average throughput: 8.15 Mbit/s

95th percentile per-packet one-way delay: 35.299 ms

Loss rate: 22.59%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sat, 01 Jul 2017 11:42:36 +0000

End at: Sat, 01 Jul 2017 11:43:06 +0000

Local clock offset: 0.039 ms

Remote clock offset: 0.101 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:05:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.58 Mbit/s

95th percentile per-packet one-way delay: 27.306 ms

Loss rate: 4.35%

-- Flow 1:

Average throughput: 39.76 Mbit/s

95th percentile per-packet one-way delay: 24.544 ms

Loss rate: 2.66%

-- Flow 2:

Average throughput: 17.69 Mbit/s

95th percentile per-packet one-way delay: 30.012 ms

Loss rate: 4.76%

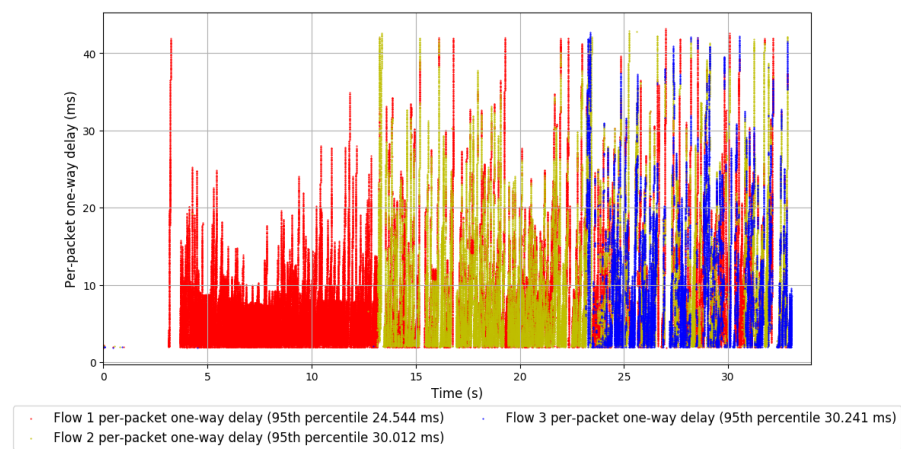
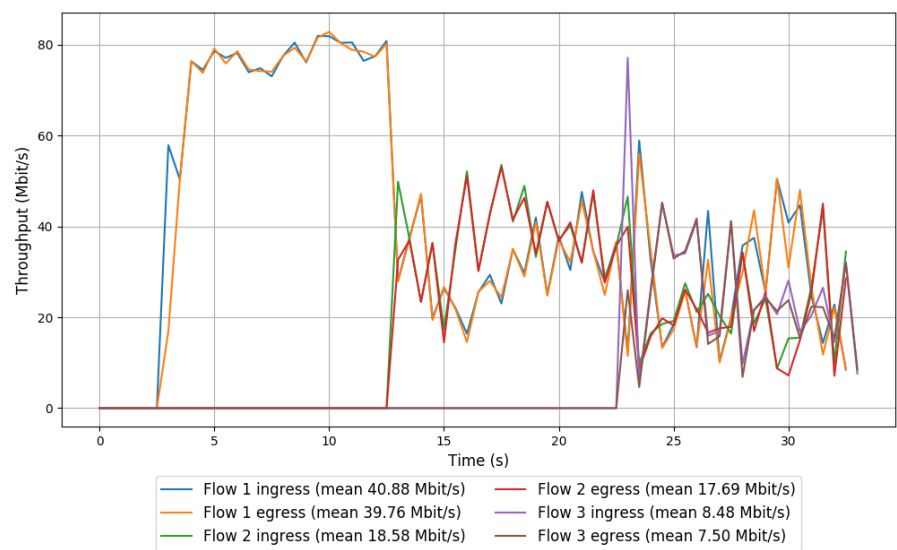
-- Flow 3:

Average throughput: 7.50 Mbit/s

95th percentile per-packet one-way delay: 30.241 ms

Loss rate: 11.56%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 09:15:54 +0000

End at: Sat, 01 Jul 2017 09:16:24 +0000

Local clock offset: 0.0 ms

Remote clock offset: -0.031 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:05:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 3.844 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4.044 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 3.810 ms

Loss rate: 0.03%

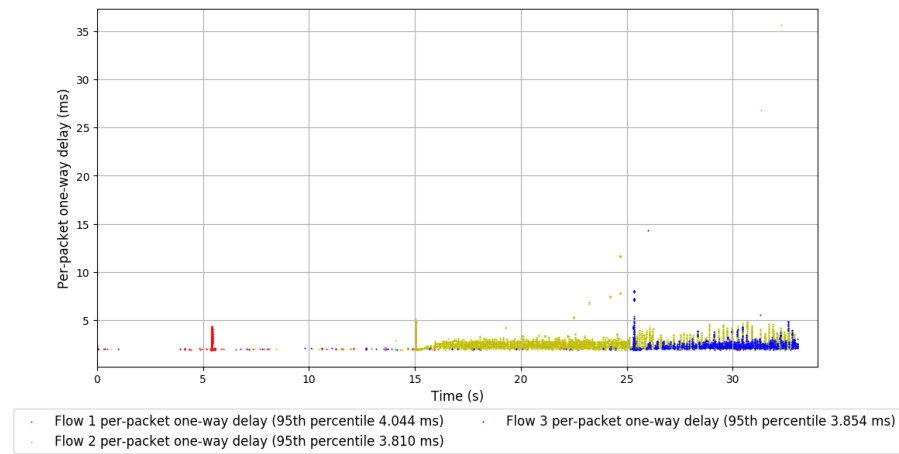
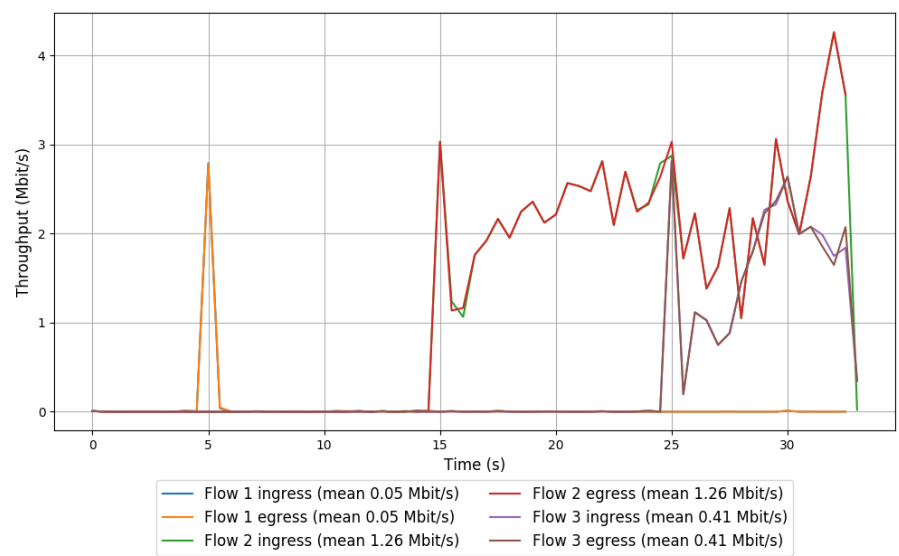
-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 3.854 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 09:32:45 +0000

End at: Sat, 01 Jul 2017 09:33:15 +0000

Local clock offset: -0.412 ms

Remote clock offset: -0.068 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:05:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.63 Mbit/s

95th percentile per-packet one-way delay: 3.473 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 3.265 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 3.652 ms

Loss rate: 0.00%

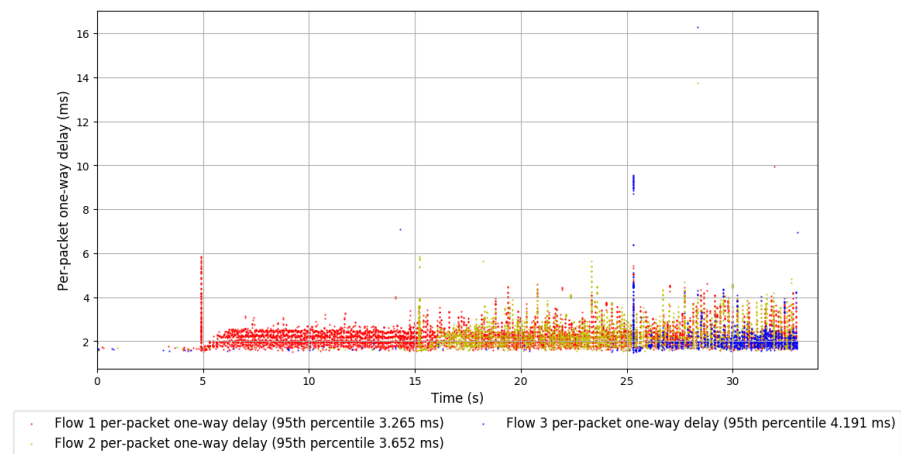
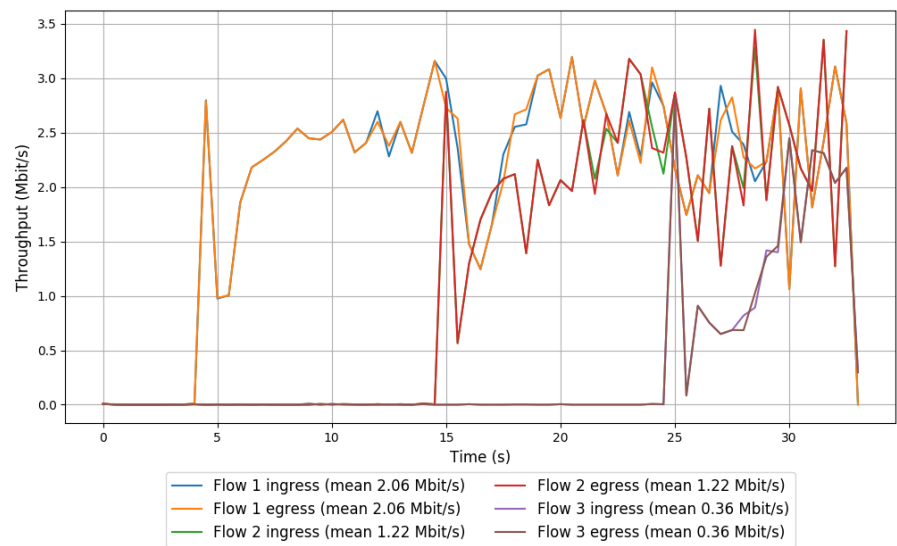
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 4.191 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 09:49:41 +0000

End at: Sat, 01 Jul 2017 09:50:11 +0000

Local clock offset: -0.096 ms

Remote clock offset: 0.099 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:05:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 3.377 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 3.262 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 3.442 ms

Loss rate: 0.00%

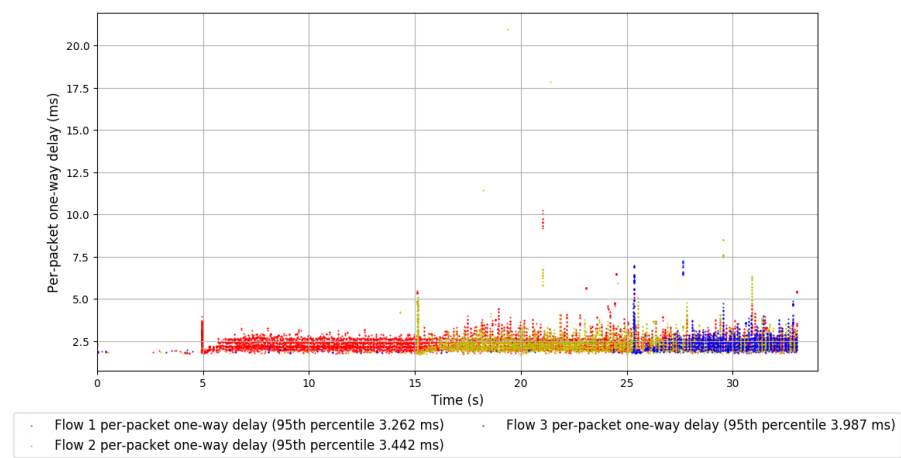
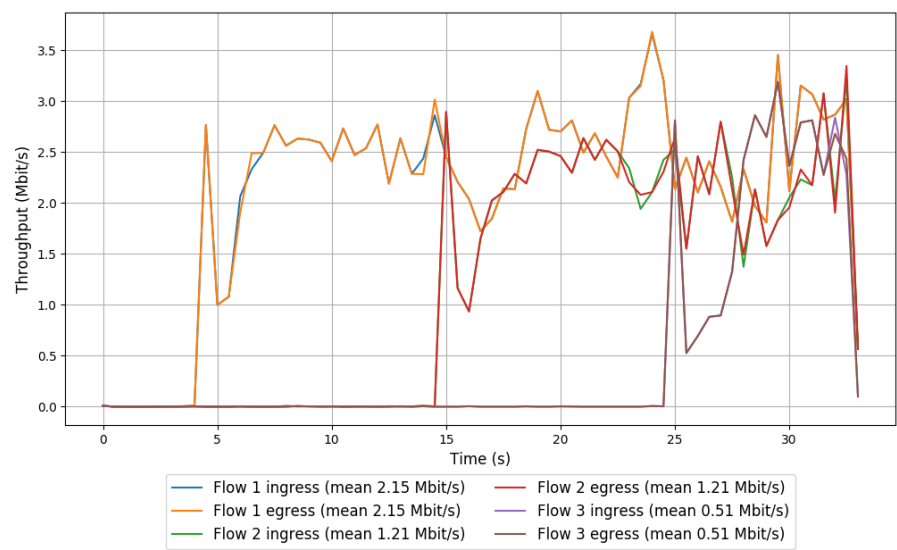
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 3.987 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 10:06:48 +0000

End at: Sat, 01 Jul 2017 10:07:18 +0000

Local clock offset: 0.071 ms

Remote clock offset: -0.091 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:05:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 3.550 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 3.407 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 3.703 ms

Loss rate: 0.00%

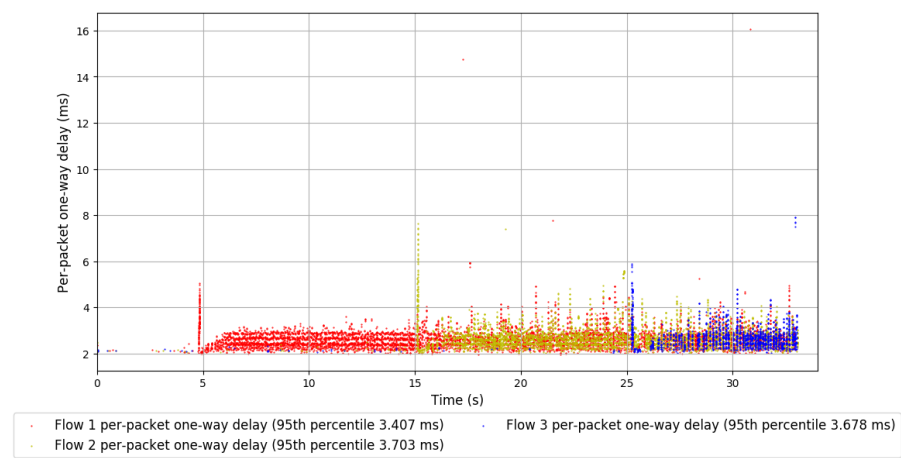
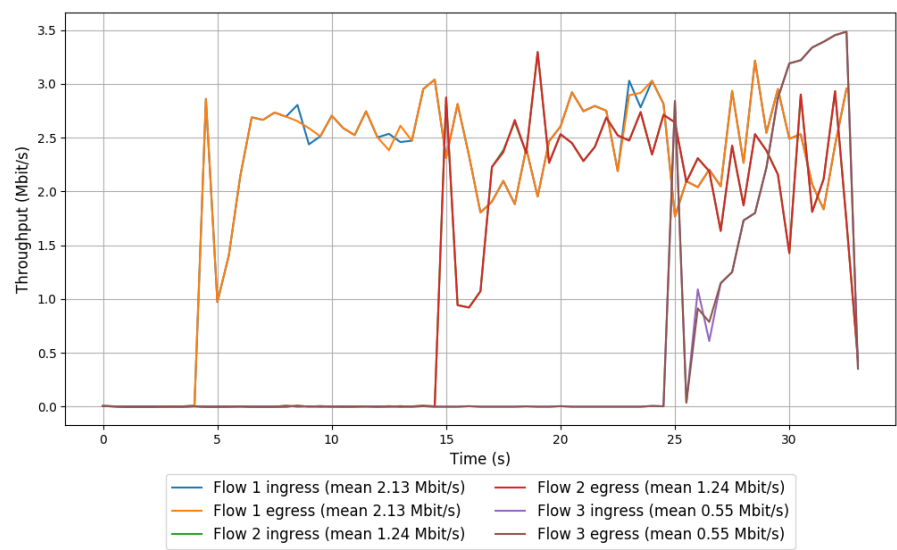
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 3.678 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 10:23:53 +0000

End at: Sat, 01 Jul 2017 10:24:23 +0000

Local clock offset: 0.049 ms

Remote clock offset: 0.004 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:05:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 3.482 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 3.298 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 3.569 ms

Loss rate: 0.00%

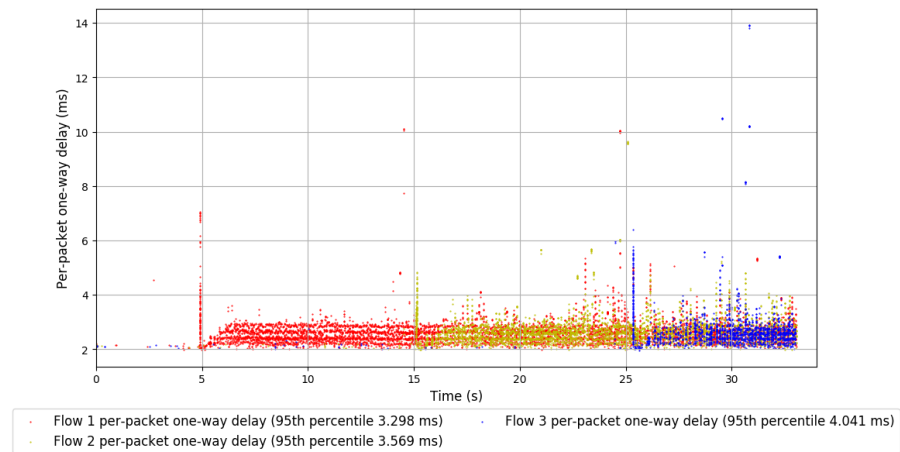
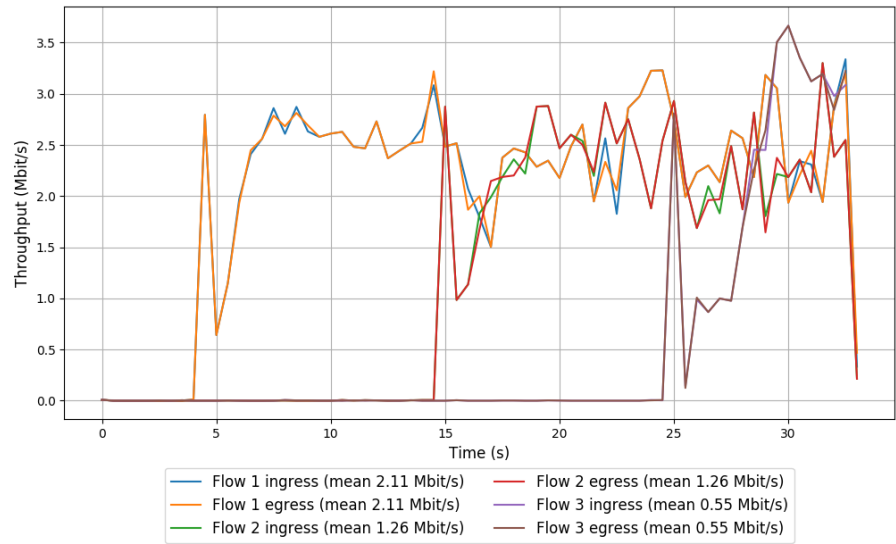
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 4.041 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 10:40:57 +0000

End at: Sat, 01 Jul 2017 10:41:27 +0000

Local clock offset: 0.151 ms

Remote clock offset: -0.036 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:05:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 3.598 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 3.520 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 3.475 ms

Loss rate: 0.00%

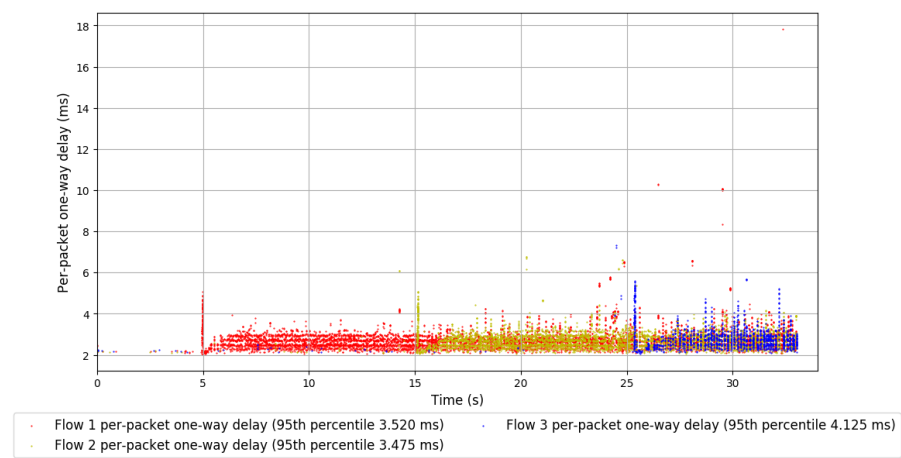
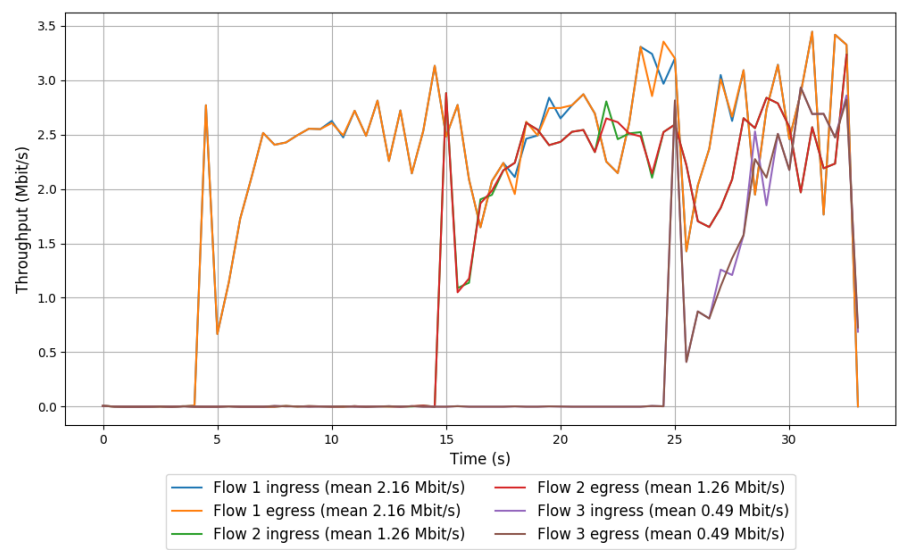
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 4.125 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 10:58:05 +0000

End at: Sat, 01 Jul 2017 10:58:35 +0000

Local clock offset: 0.143 ms

Remote clock offset: 0.021 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:05:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 3.675 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 3.421 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 3.946 ms

Loss rate: 0.00%

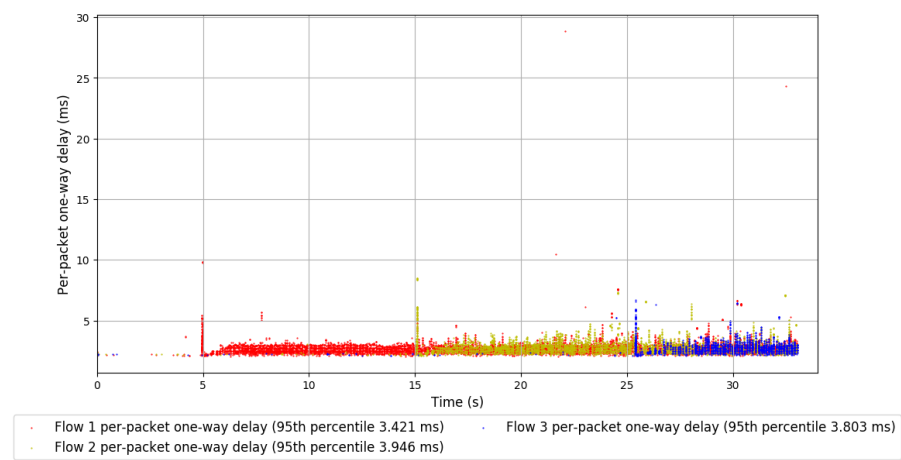
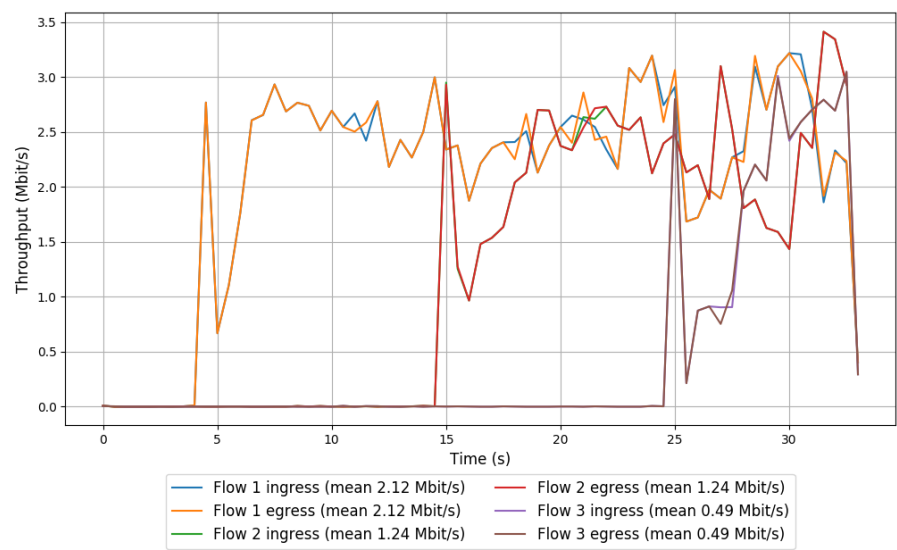
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 3.803 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 11:15:12 +0000

End at: Sat, 01 Jul 2017 11:15:42 +0000

Local clock offset: 0.136 ms

Remote clock offset: 0.013 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:05:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 3.331 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 3.324 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 3.216 ms

Loss rate: 0.00%

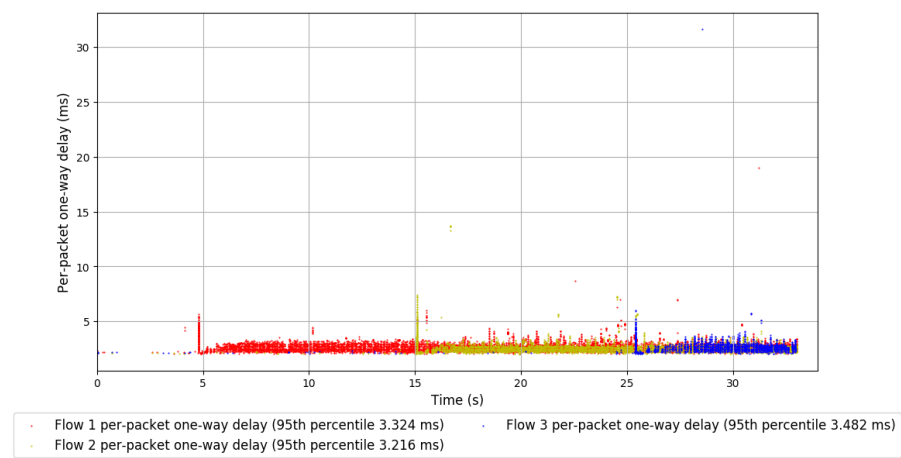
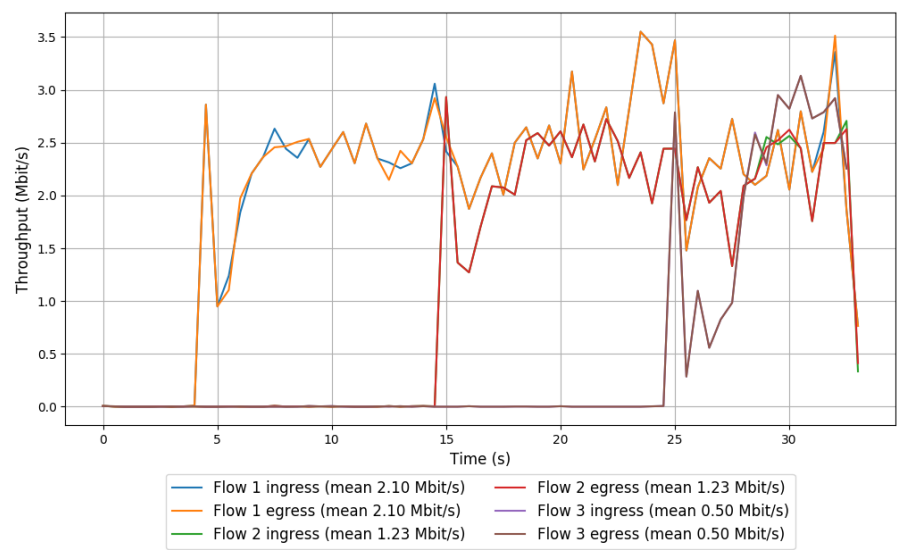
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 3.482 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 11:32:19 +0000

End at: Sat, 01 Jul 2017 11:32:49 +0000

Local clock offset: 0.081 ms

Remote clock offset: -0.019 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:05:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 3.461 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 3.476 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 3.376 ms

Loss rate: 0.00%

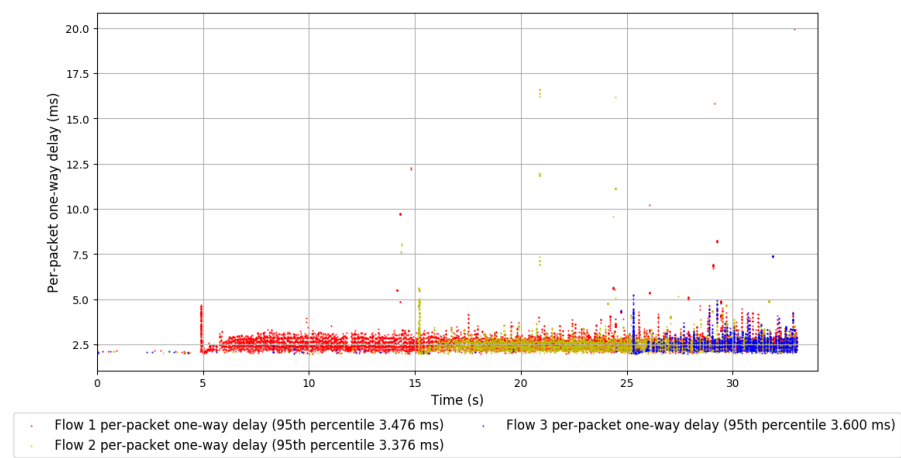
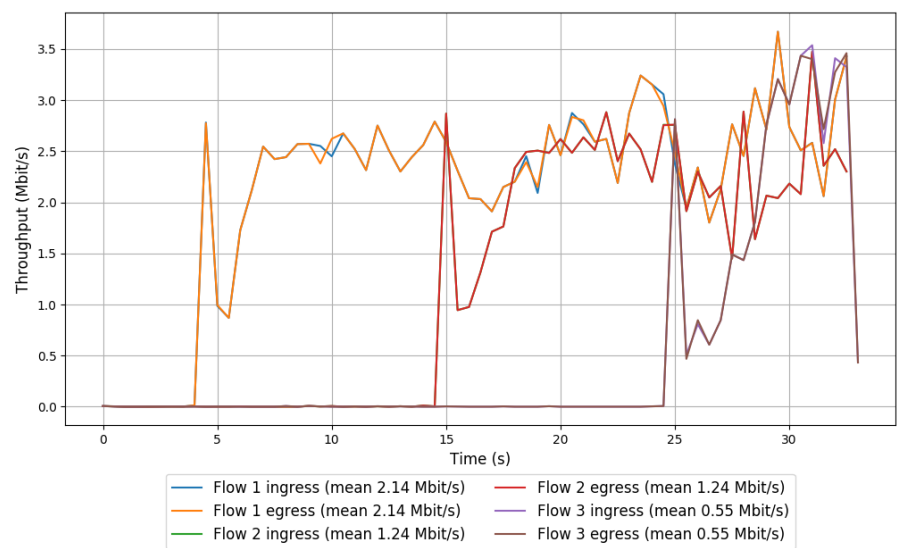
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 3.600 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 11:49:28 +0000

End at: Sat, 01 Jul 2017 11:49:58 +0000

Local clock offset: -0.318 ms

Remote clock offset: 0.076 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:05:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 2.797 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 2.661 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 2.761 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 3.435 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

