

Pantheon Summary (Generated at Sat, 01 Jul 2017 16:34:55 +0000 with pantheon version 55ce618ef3153403f57ca06ffe894ed6887bd36f)

Repeated the test of 15 congestion control schemes 10 times.

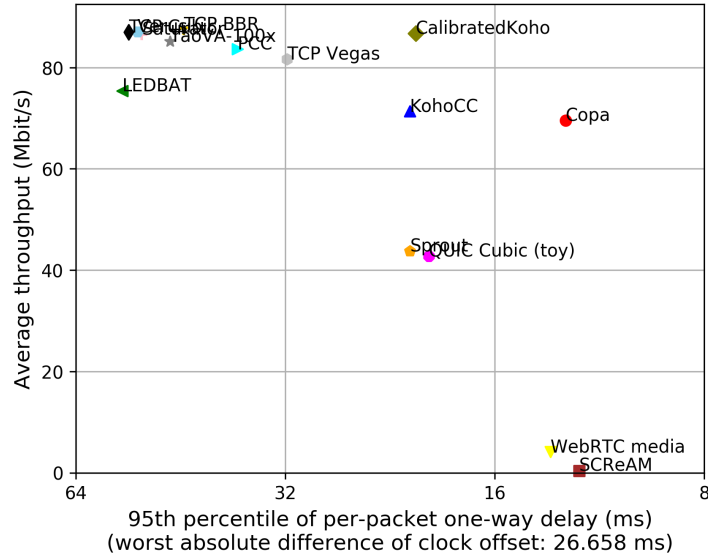
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

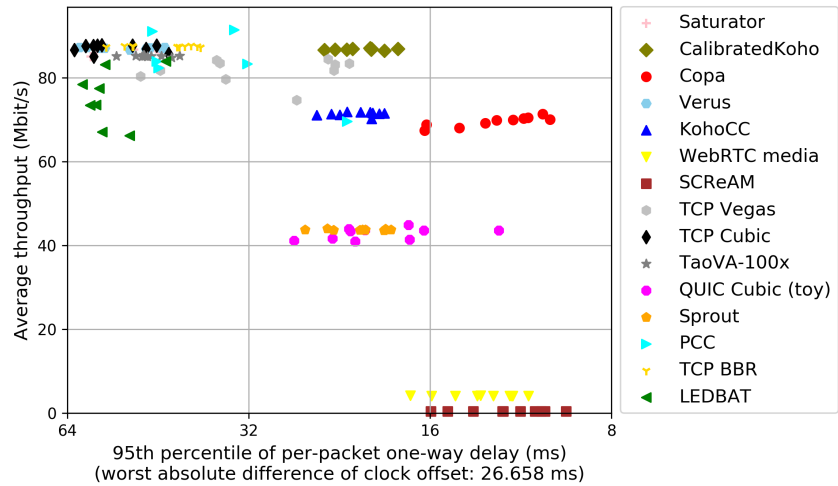
NTP offset measured against nets.org.sg.

```
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
```

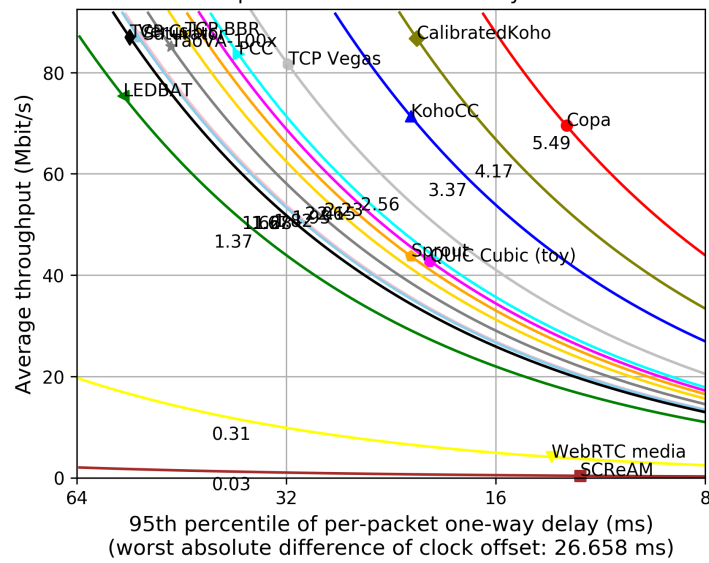
test from India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
mean of all runs by scheme



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



test from India Ethernet to AWS India 1 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 12:10:44 +0000

End at: Sat, 01 Jul 2017 12:11:14 +0000

Local clock offset: 2.366 ms

Remote clock offset: -18.984 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:21:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 40.849 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 53.03 Mbit/s

95th percentile per-packet one-way delay: 36.637 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 24.63 Mbit/s

95th percentile per-packet one-way delay: 41.859 ms

Loss rate: 0.21%

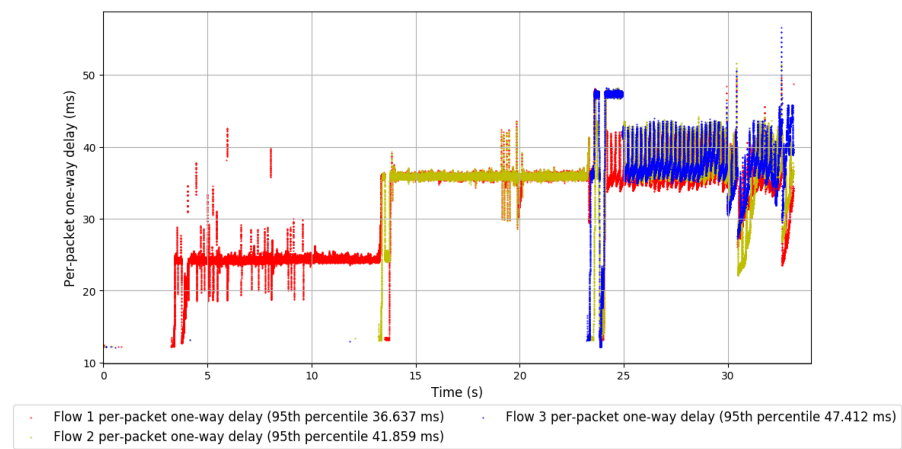
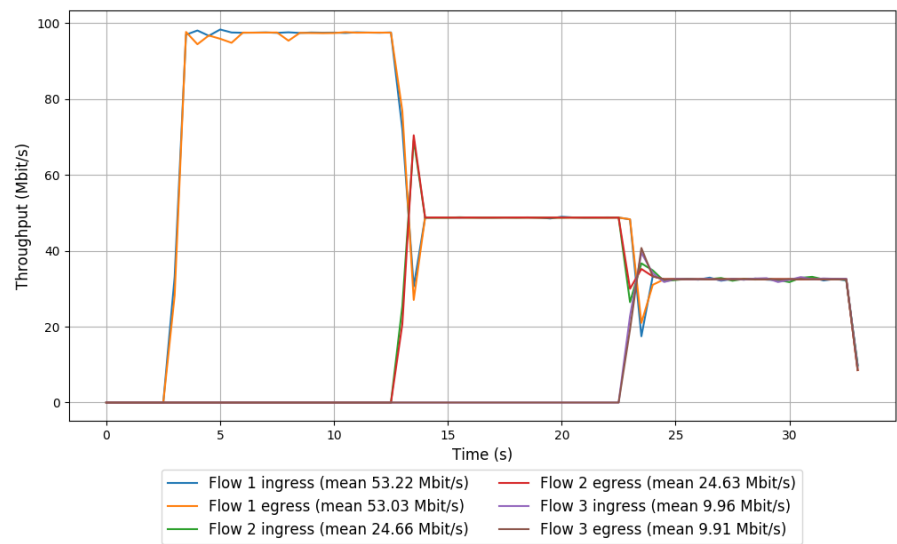
-- Flow 3:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 47.412 ms

Loss rate: 0.55%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 12:29:04 +0000

End at: Sat, 01 Jul 2017 12:29:34 +0000

Local clock offset: 0.126 ms

Remote clock offset: -18.877 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:21:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.60 Mbit/s

95th percentile per-packet one-way delay: 51.471 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 52.46 Mbit/s

95th percentile per-packet one-way delay: 49.621 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 29.19 Mbit/s

95th percentile per-packet one-way delay: 35.630 ms

Loss rate: 0.27%

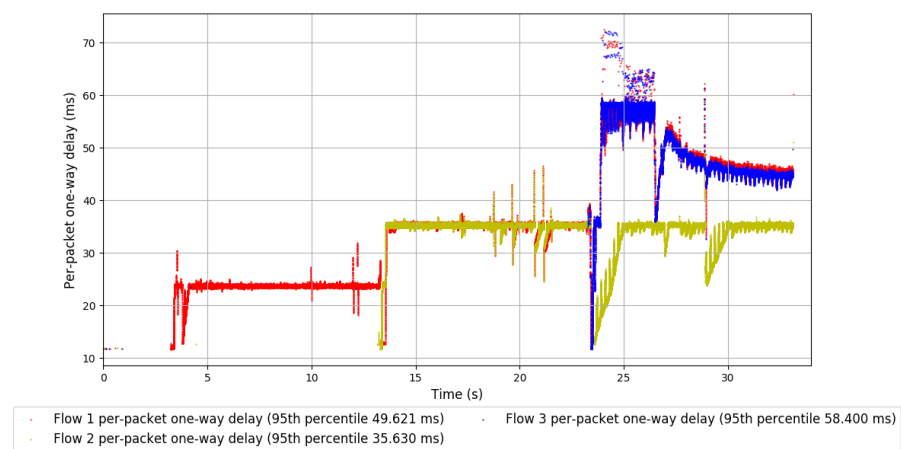
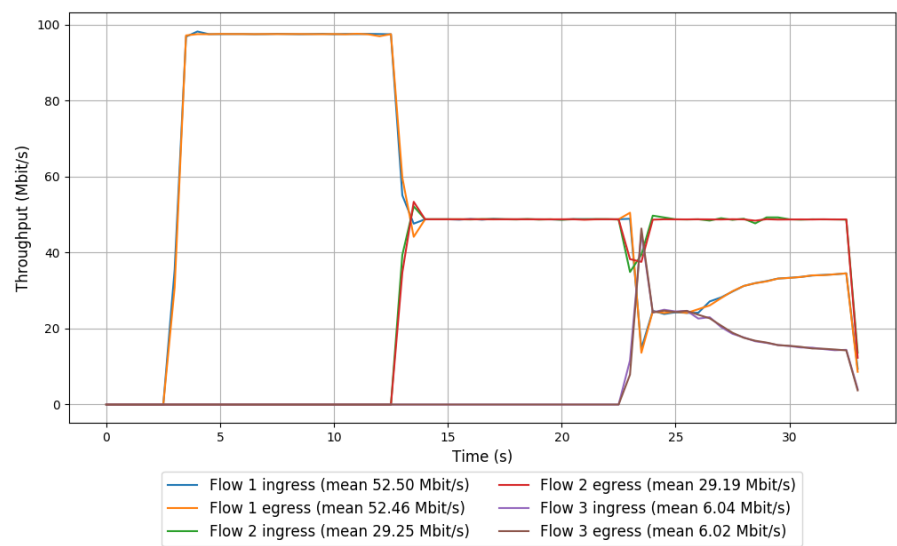
-- Flow 3:

Average throughput: 6.02 Mbit/s

95th percentile per-packet one-way delay: 58.400 ms

Loss rate: 0.42%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 12:47:29 +0000

End at: Sat, 01 Jul 2017 12:47:59 +0000

Local clock offset: 1.969 ms

Remote clock offset: -17.995 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.49 Mbit/s

95th percentile per-packet one-way delay: 38.984 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 53.13 Mbit/s

95th percentile per-packet one-way delay: 36.067 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 24.54 Mbit/s

95th percentile per-packet one-way delay: 39.471 ms

Loss rate: 0.30%

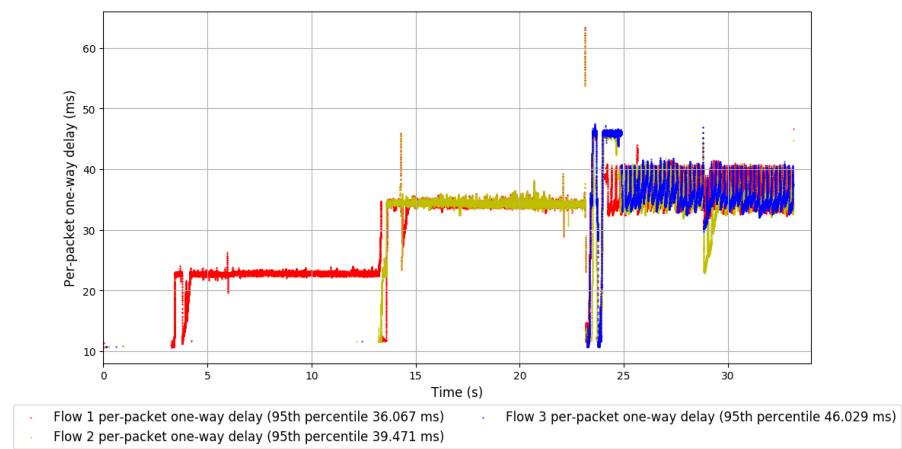
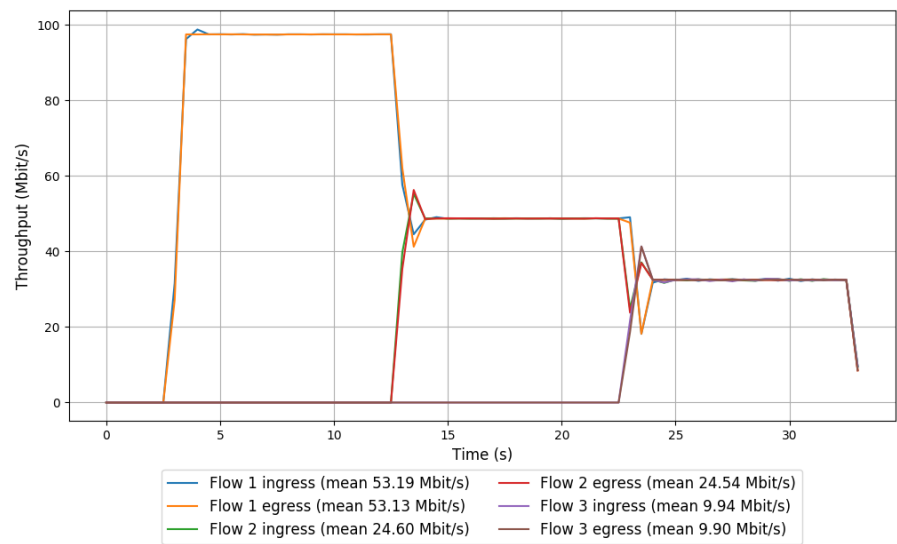
-- Flow 3:

Average throughput: 9.90 Mbit/s

95th percentile per-packet one-way delay: 46.029 ms

Loss rate: 0.49%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 13:05:42 +0000

End at: Sat, 01 Jul 2017 13:06:12 +0000

Local clock offset: 3.401 ms

Remote clock offset: -20.76 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:21:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 39.935 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 53.17 Mbit/s

95th percentile per-packet one-way delay: 36.061 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 39.906 ms

Loss rate: 0.22%

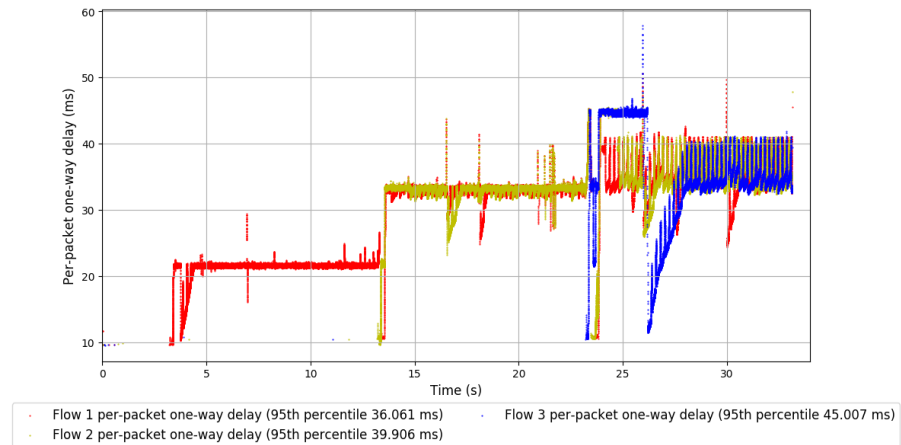
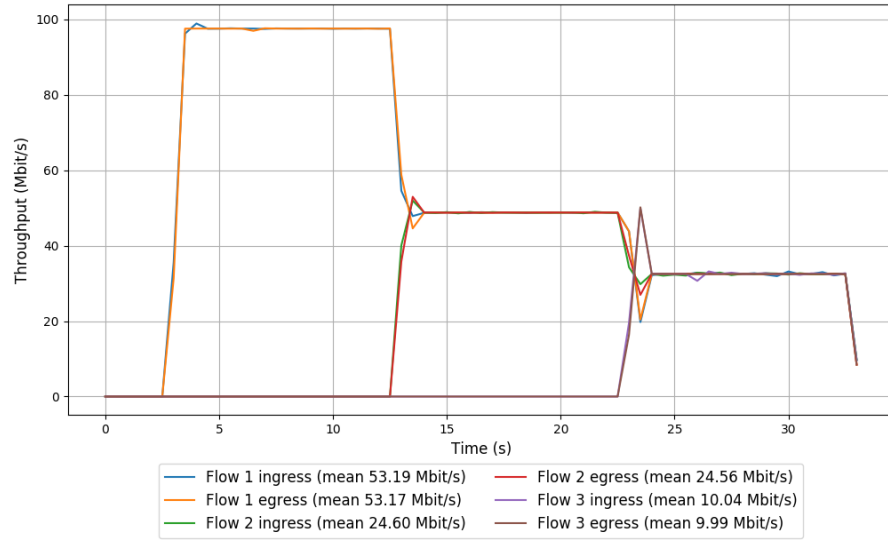
-- Flow 3:

Average throughput: 9.99 Mbit/s

95th percentile per-packet one-way delay: 45.007 ms

Loss rate: 0.53%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 13:23:50 +0000

End at: Sat, 01 Jul 2017 13:24:20 +0000

Local clock offset: 4.635 ms

Remote clock offset: -21.065 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:21:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 38.462 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 49.68 Mbit/s

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

Loss rate: 0.10%

-- Flow 2:

Average throughput: 23.02 Mbit/s

95th percentile per-packet one-way delay: 39.672 ms

Loss rate: 0.38%

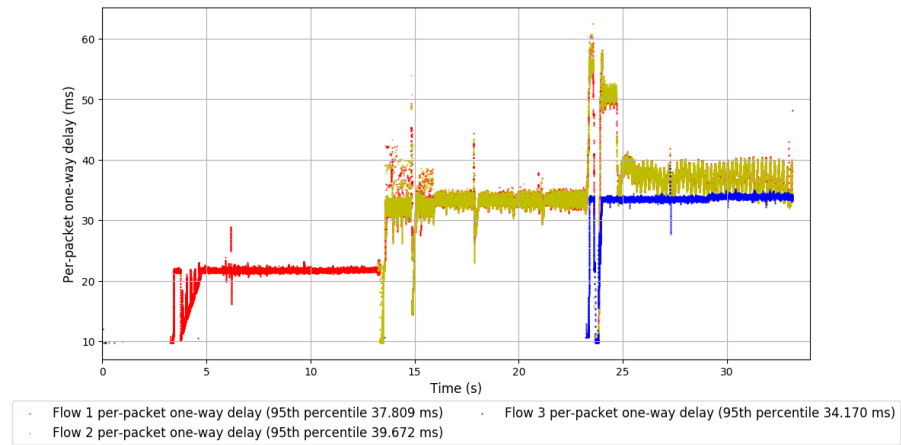
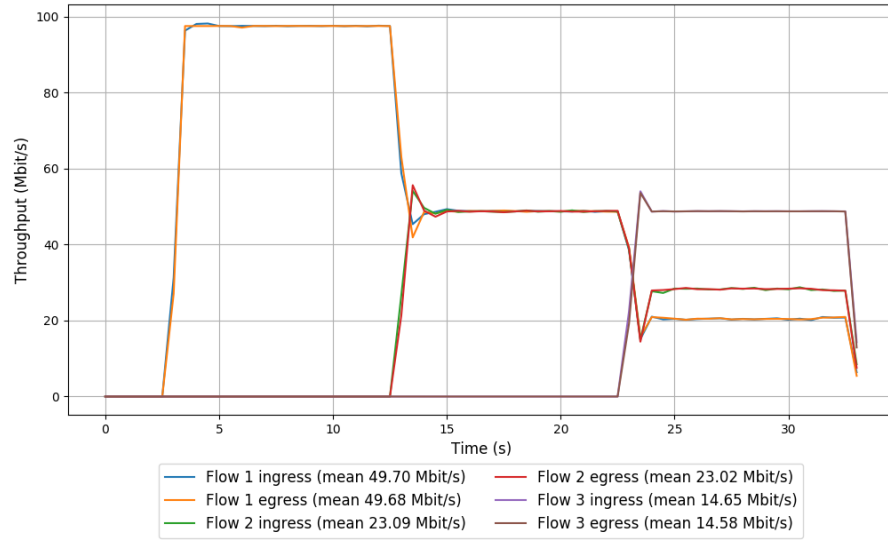
-- Flow 3:

Average throughput: 14.58 Mbit/s

95th percentile per-packet one-way delay: 34.170 ms

Loss rate: 0.54%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 13:41:55 +0000

End at: Sat, 01 Jul 2017 13:42:25 +0000

Local clock offset: 3.108 ms

Remote clock offset: -19.141 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:21:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.39 Mbit/s

95th percentile per-packet one-way delay: 41.710 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 50.47 Mbit/s

95th percentile per-packet one-way delay: 41.203 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 22.46 Mbit/s

95th percentile per-packet one-way delay: 43.443 ms

Loss rate: 0.20%

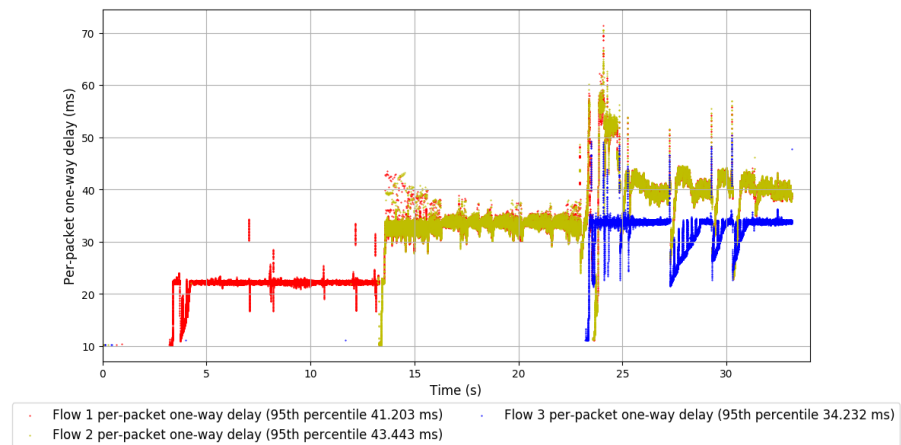
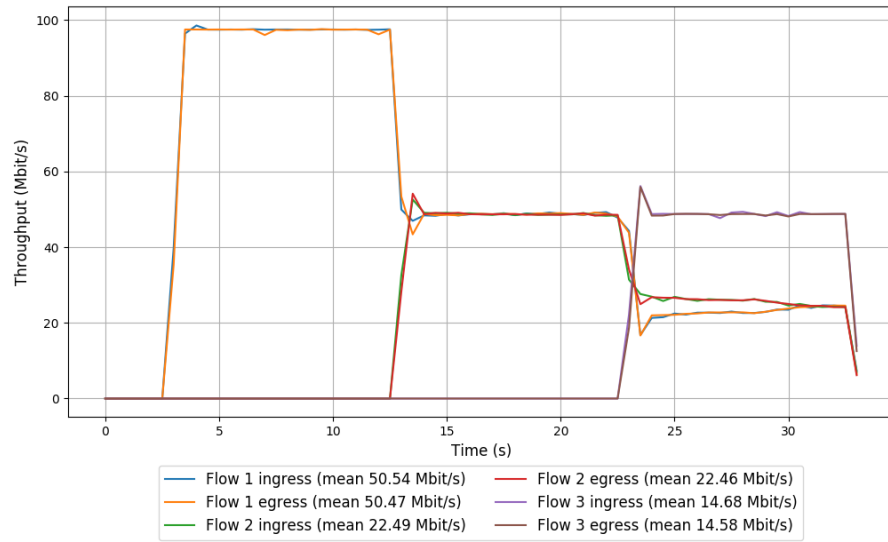
-- Flow 3:

Average throughput: 14.58 Mbit/s

95th percentile per-packet one-way delay: 34.232 ms

Loss rate: 0.74%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 14:00:10 +0000

End at: Sat, 01 Jul 2017 14:00:40 +0000

Local clock offset: 3.288 ms

Remote clock offset: -18.488 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:22:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.60 Mbit/s

95th percentile per-packet one-way delay: 49.917 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 52.63 Mbit/s

95th percentile per-packet one-way delay: 49.051 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 29.19 Mbit/s

95th percentile per-packet one-way delay: 34.888 ms

Loss rate: 0.24%

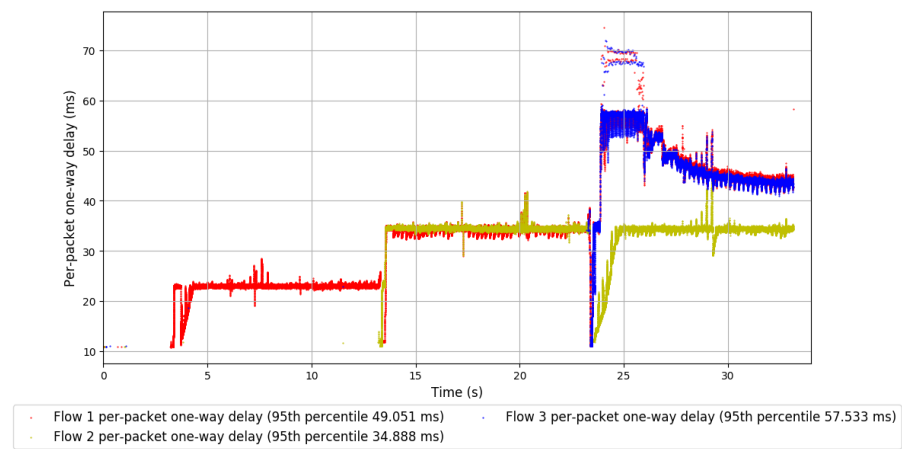
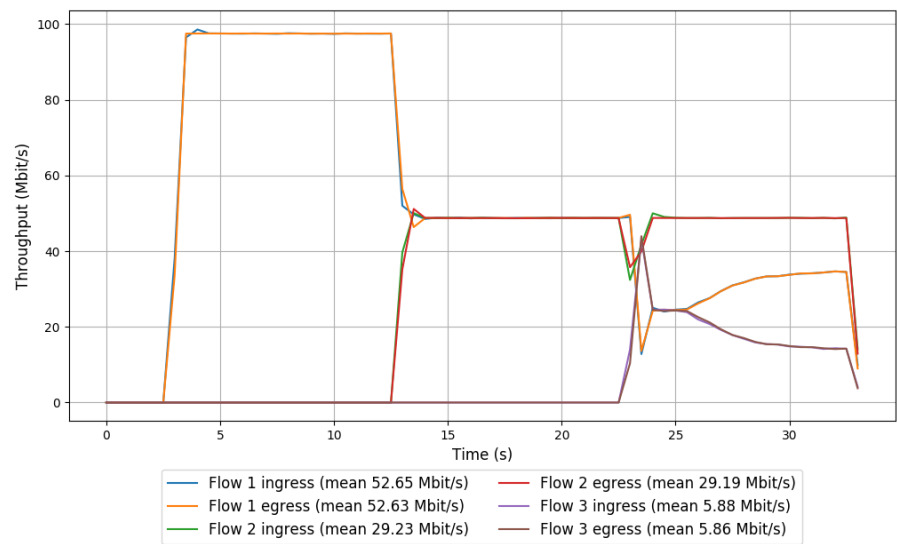
-- Flow 3:

Average throughput: 5.86 Mbit/s

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

Loss rate: 0.43%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 14:18:14 +0000

End at: Sat, 01 Jul 2017 14:18:44 +0000

Local clock offset: 0.845 ms

Remote clock offset: -18.342 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:22:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.39 Mbit/s

95th percentile per-packet one-way delay: 42.080 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 49.32 Mbit/s

95th percentile per-packet one-way delay: 41.453 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: 43.418 ms

Loss rate: 0.21%

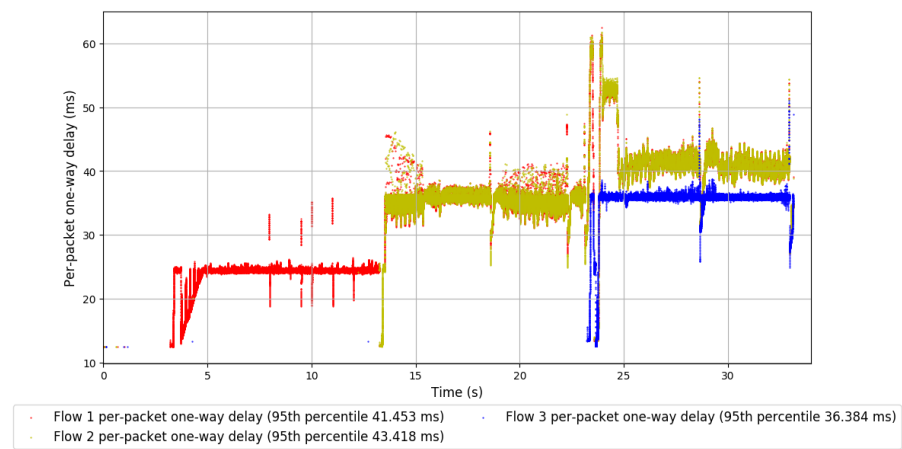
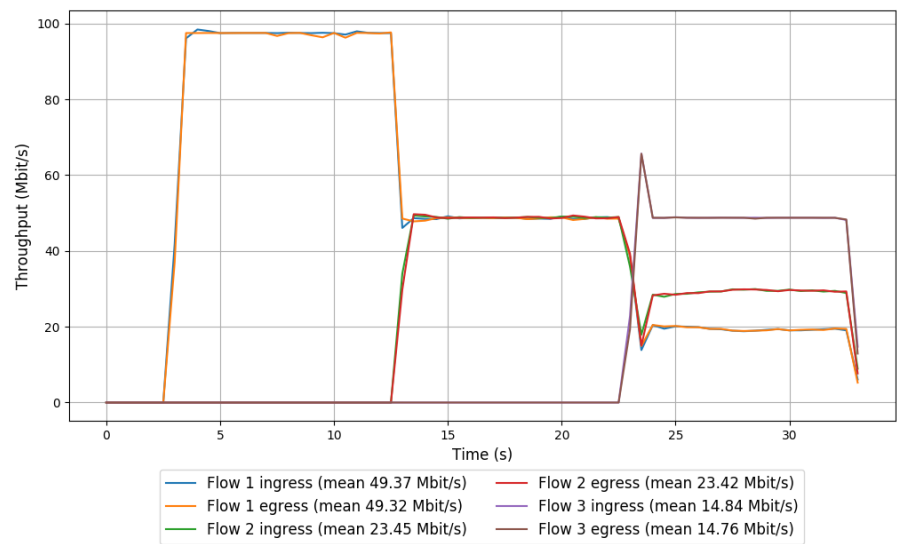
-- Flow 3:

Average throughput: 14.76 Mbit/s

95th percentile per-packet one-way delay: 36.384 ms

Loss rate: 0.55%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 14:36:31 +0000

End at: Sat, 01 Jul 2017 14:37:01 +0000

Local clock offset: -0.149 ms

Remote clock offset: -17.044 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:22:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.49 Mbit/s

95th percentile per-packet one-way delay: 49.739 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 52.97 Mbit/s

95th percentile per-packet one-way delay: 49.360 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 29.23 Mbit/s

95th percentile per-packet one-way delay: 37.771 ms

Loss rate: 0.35%

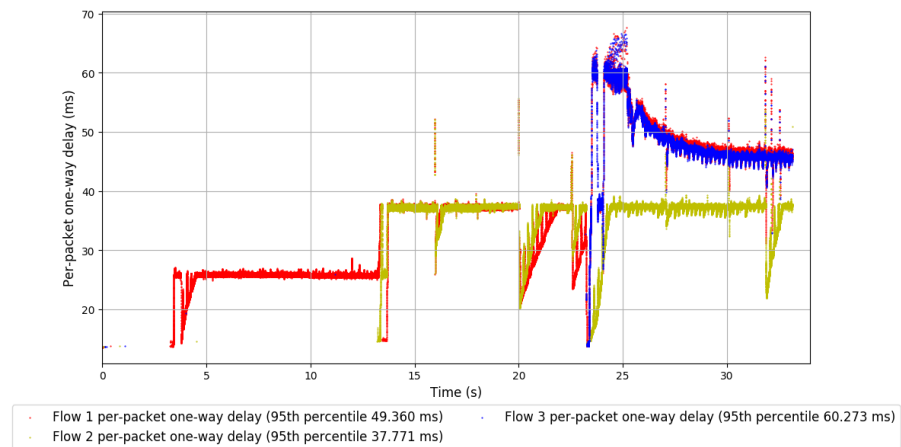
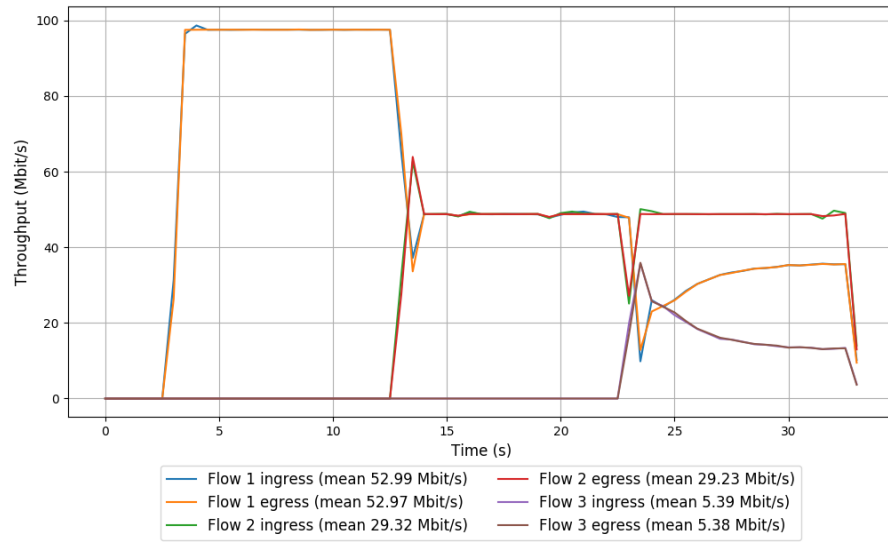
-- Flow 3:

Average throughput: 5.38 Mbit/s

95th percentile per-packet one-way delay: 60.273 ms

Loss rate: 0.41%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 14:55:16 +0000

End at: Sat, 01 Jul 2017 14:55:46 +0000

Local clock offset: 0.991 ms

Remote clock offset: -17.593 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:22:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.32 Mbit/s

95th percentile per-packet one-way delay: 55.225 ms

Loss rate: 0.44%

-- Flow 1:

Average throughput: 52.42 Mbit/s

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

Loss rate: 0.43%

-- Flow 2:

Average throughput: 29.06 Mbit/s

95th percentile per-packet one-way delay: 39.441 ms

Loss rate: 0.46%

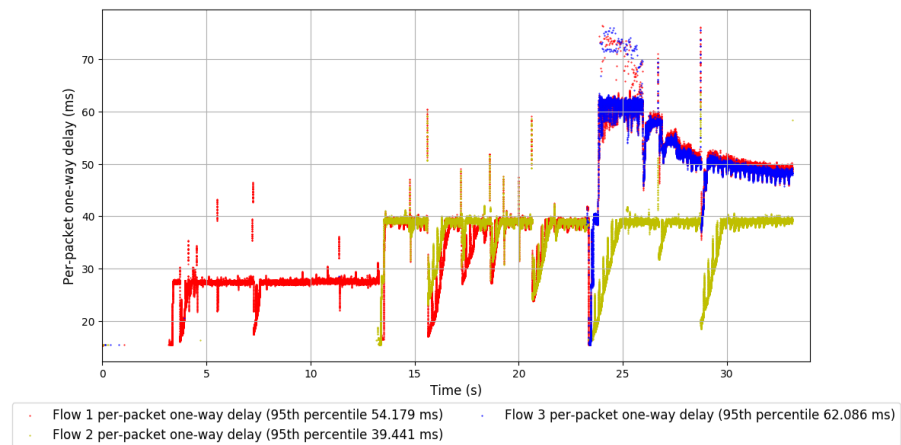
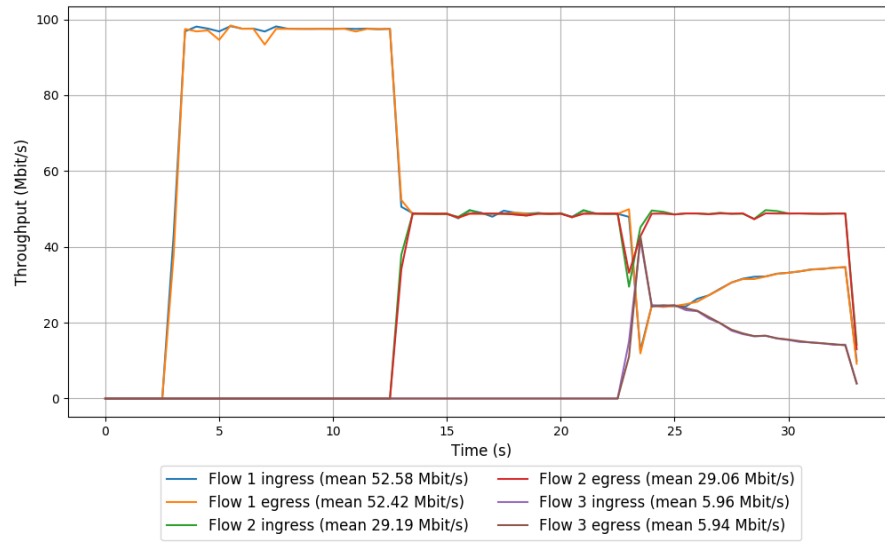
-- Flow 3:

Average throughput: 5.94 Mbit/s

95th percentile per-packet one-way delay: 62.086 ms

Loss rate: 0.39%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 12:14:20 +0000

End at: Sat, 01 Jul 2017 12:14:50 +0000

Local clock offset: -0.56 ms

Remote clock offset: -17.918 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:22:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.86 Mbit/s

95th percentile per-packet one-way delay: 21.532 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 45.03 Mbit/s

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

Loss rate: 0.02%

-- Flow 2:

Average throughput: 28.94 Mbit/s

95th percentile per-packet one-way delay: 21.969 ms

Loss rate: 0.26%

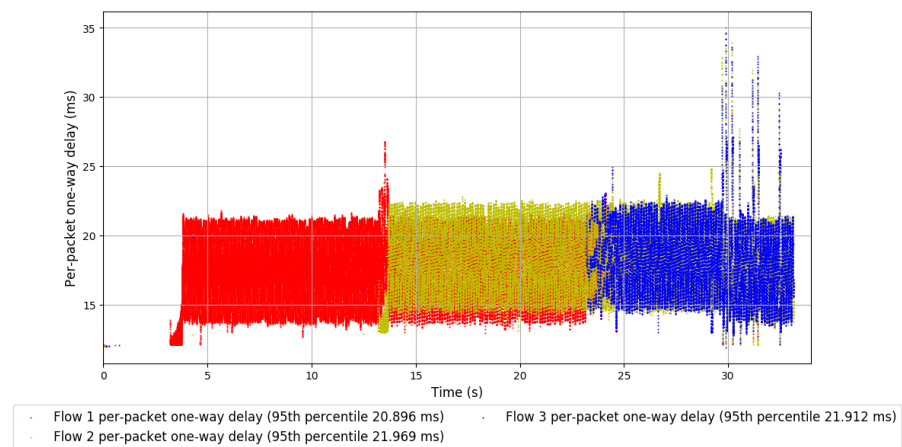
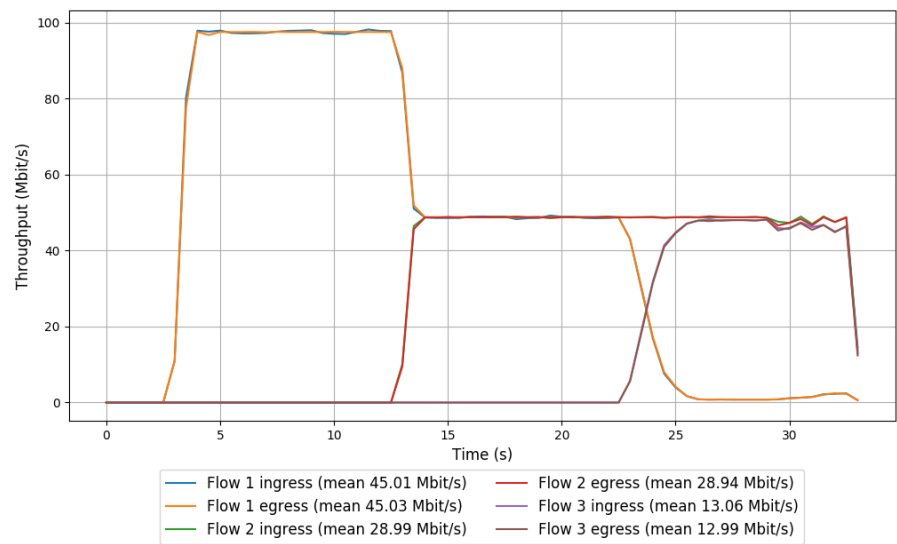
-- Flow 3:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 21.912 ms

Loss rate: 0.54%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 12:32:41 +0000

End at: Sat, 01 Jul 2017 12:33:11 +0000

Local clock offset: -0.902 ms

Remote clock offset: -20.393 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:22:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 20.033 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 53.03 Mbit/s

95th percentile per-packet one-way delay: 19.870 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 24.23 Mbit/s

95th percentile per-packet one-way delay: 20.776 ms

Loss rate: 0.15%

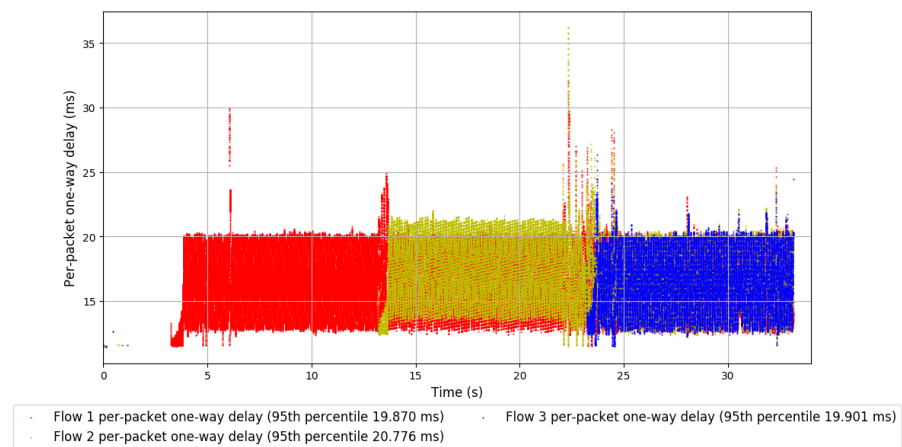
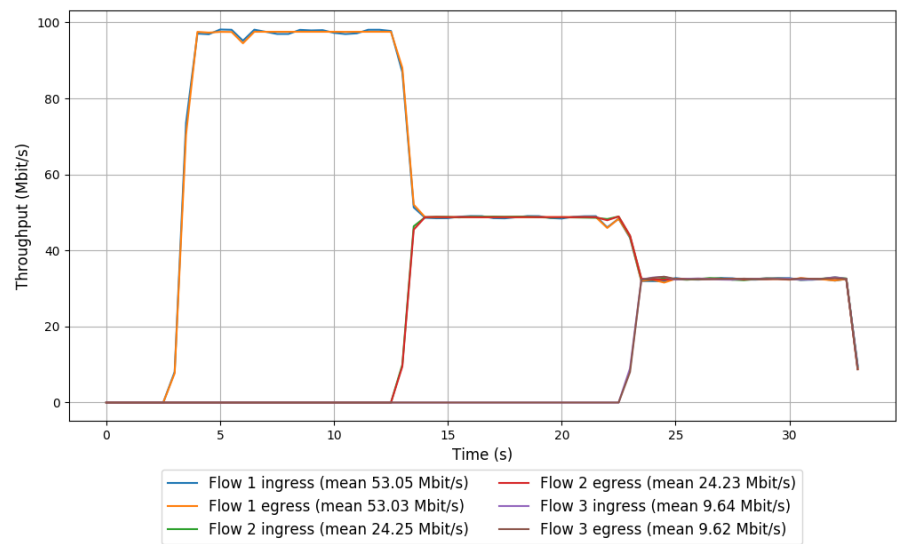
-- Flow 3:

Average throughput: 9.62 Mbit/s

95th percentile per-packet one-way delay: 19.901 ms

Loss rate: 0.29%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 12:51:05 +0000

End at: Sat, 01 Jul 2017 12:51:35 +0000

Local clock offset: 1.658 ms

Remote clock offset: -19.597 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:22:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.06 Mbit/s

95th percentile per-packet one-way delay: 20.117 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 44.36 Mbit/s

95th percentile per-packet one-way delay: 18.869 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 29.06 Mbit/s

95th percentile per-packet one-way delay: 19.953 ms

Loss rate: 0.14%

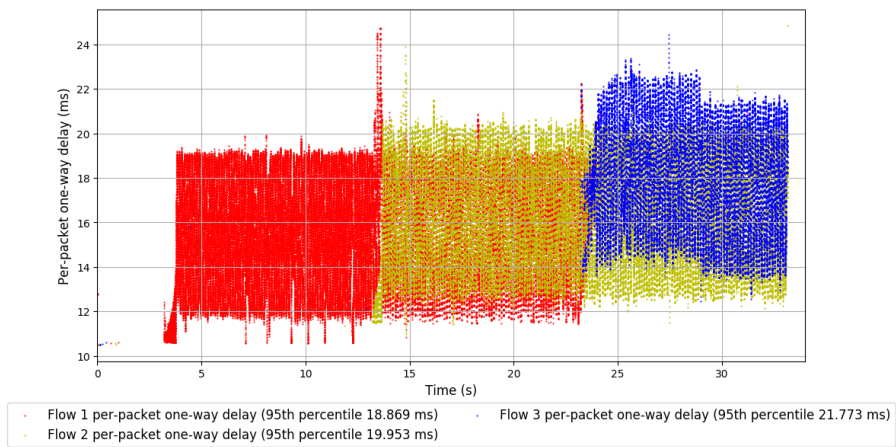
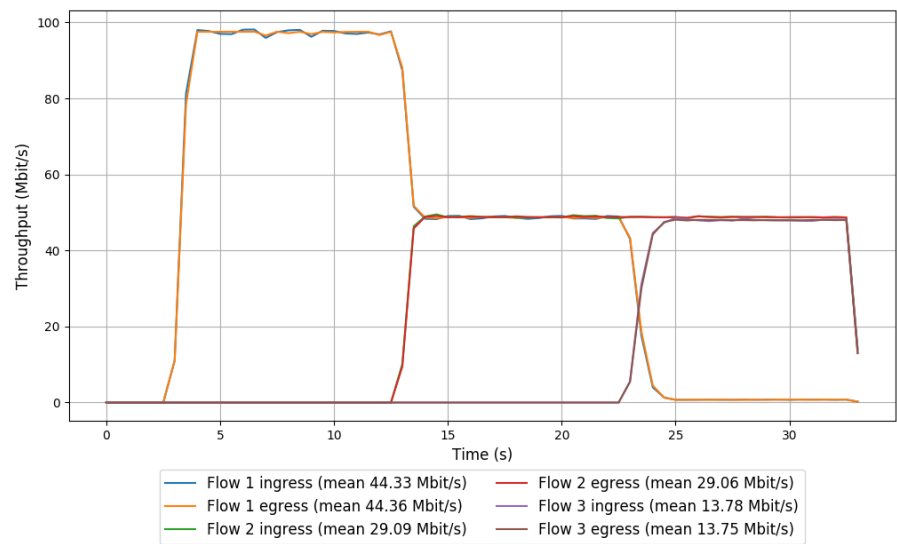
-- Flow 3:

Average throughput: 13.75 Mbit/s

95th percentile per-packet one-way delay: 21.773 ms

Loss rate: 0.30%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 13:09:17 +0000

End at: Sat, 01 Jul 2017 13:09:47 +0000

Local clock offset: 4.763 ms

Remote clock offset: -20.652 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:22:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.87 Mbit/s

95th percentile per-packet one-way delay: 18.099 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 34.26 Mbit/s

95th percentile per-packet one-way delay: 17.896 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 38.47 Mbit/s

95th percentile per-packet one-way delay: 18.490 ms

Loss rate: 0.13%

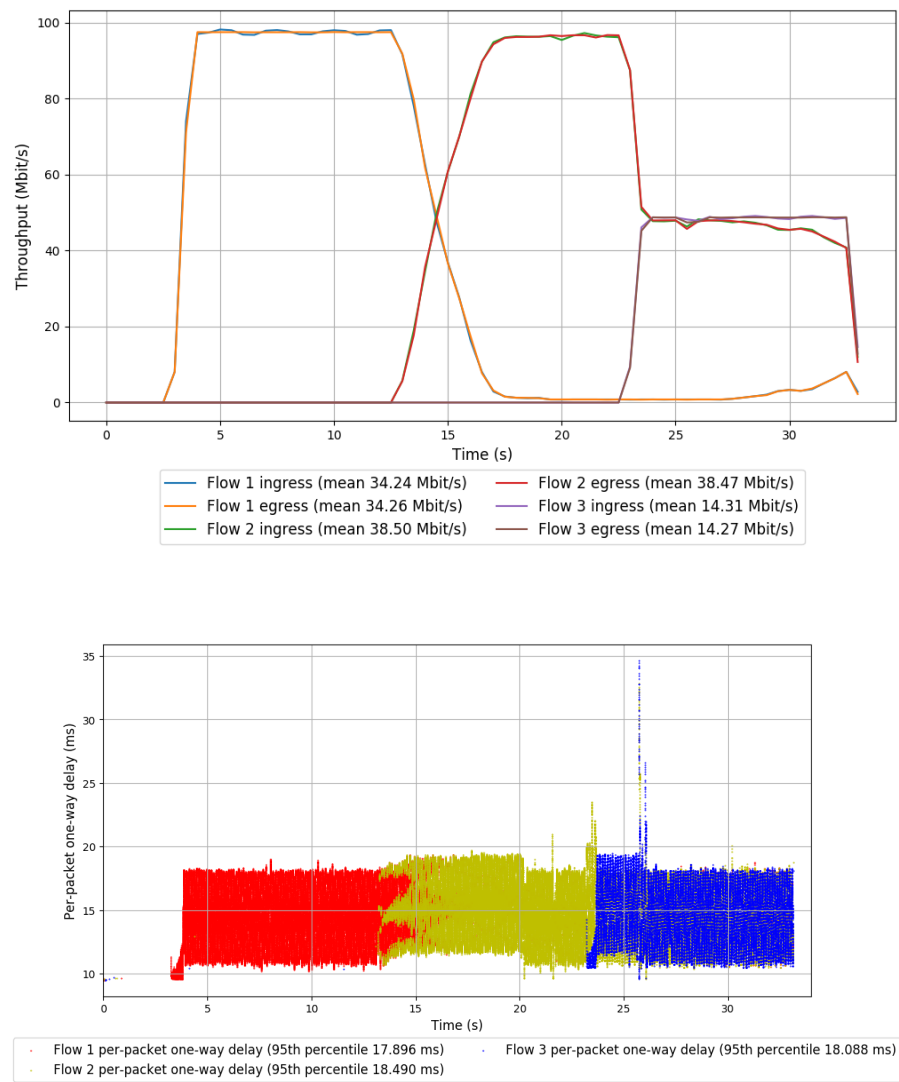
-- Flow 3:

Average throughput: 14.27 Mbit/s

95th percentile per-packet one-way delay: 18.088 ms

Loss rate: 0.37%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 13:27:26 +0000

End at: Sat, 01 Jul 2017 13:27:56 +0000

Local clock offset: 1.103 ms

Remote clock offset: -19.205 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:22:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.72 Mbit/s

95th percentile per-packet one-way delay: 20.050 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 57.75 Mbit/s

95th percentile per-packet one-way delay: 18.927 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 15.45 Mbit/s

95th percentile per-packet one-way delay: 19.053 ms

Loss rate: 0.10%

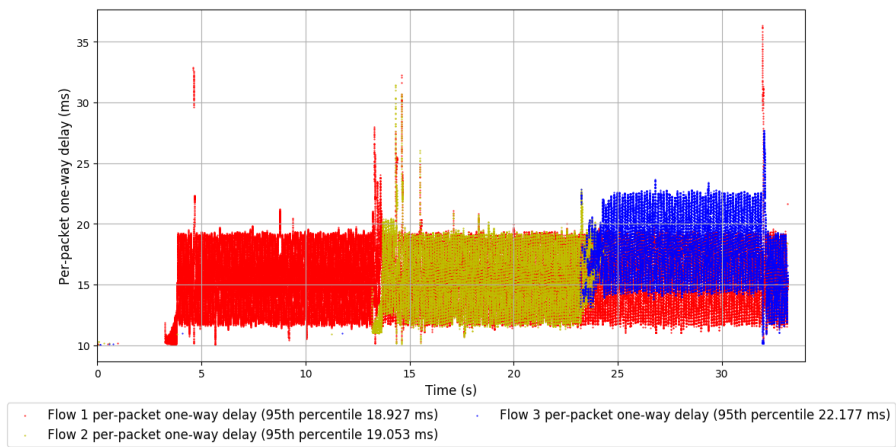
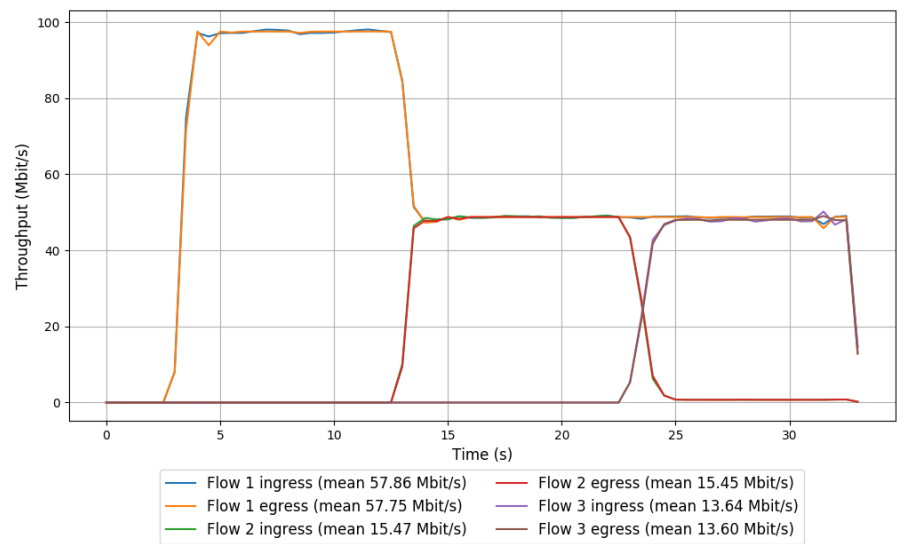
-- Flow 3:

Average throughput: 13.60 Mbit/s

95th percentile per-packet one-way delay: 22.177 ms

Loss rate: 0.36%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 13:45:28 +0000

End at: Sat, 01 Jul 2017 13:45:58 +0000

Local clock offset: 4.677 ms

Remote clock offset: -20.381 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:23:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.41 Mbit/s

95th percentile per-packet one-way delay: 19.061 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 45.78 Mbit/s

95th percentile per-packet one-way delay: 18.959 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 28.74 Mbit/s

95th percentile per-packet one-way delay: 19.096 ms

Loss rate: 0.42%

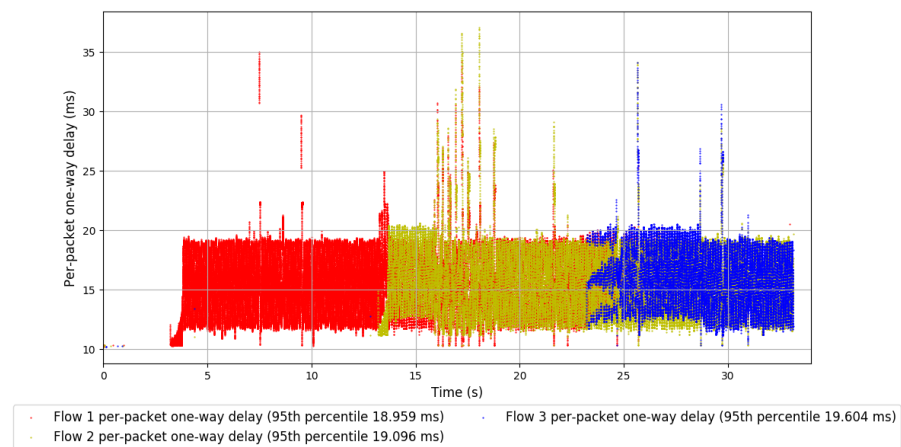
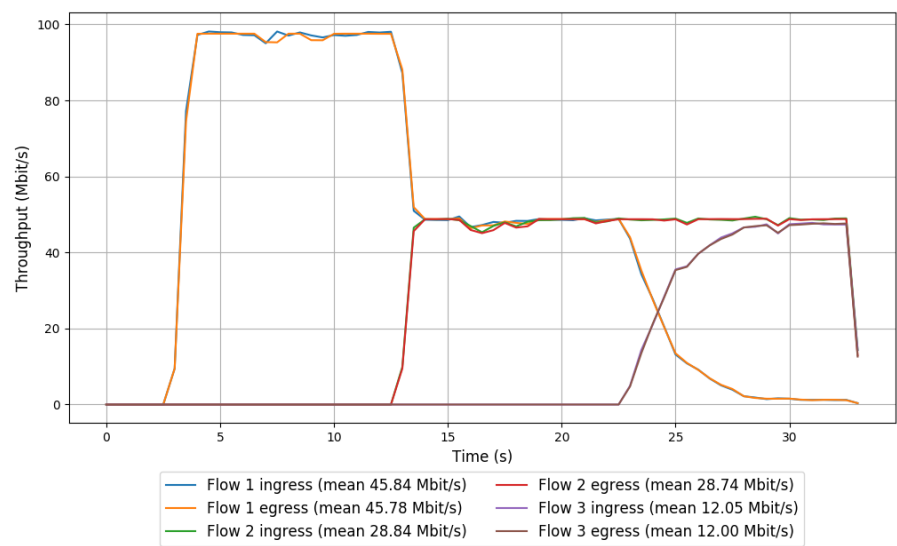
-- Flow 3:

Average throughput: 12.00 Mbit/s

95th percentile per-packet one-way delay: 19.604 ms

Loss rate: 0.46%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 14:03:47 +0000

End at: Sat, 01 Jul 2017 14:04:17 +0000

Local clock offset: 3.66 ms

Remote clock offset: -19.61 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:23:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.85 Mbit/s

95th percentile per-packet one-way delay: 20.001 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 57.90 Mbit/s

95th percentile per-packet one-way delay: 19.872 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 15.81 Mbit/s

95th percentile per-packet one-way delay: 20.374 ms

Loss rate: 0.00%

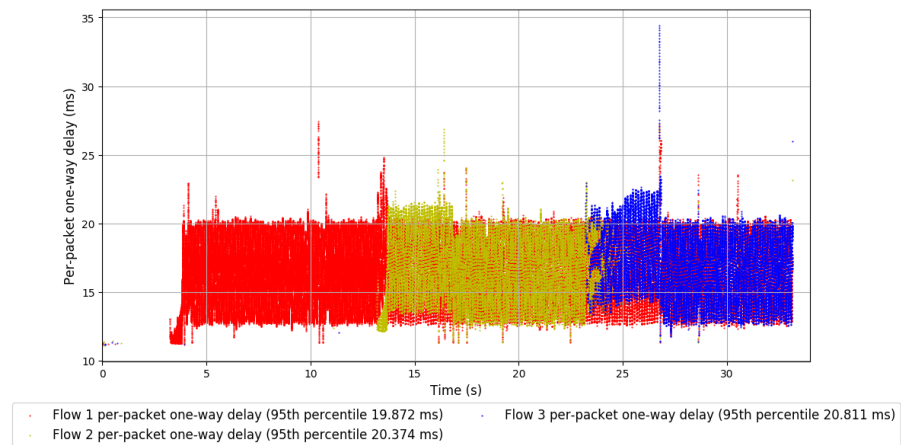
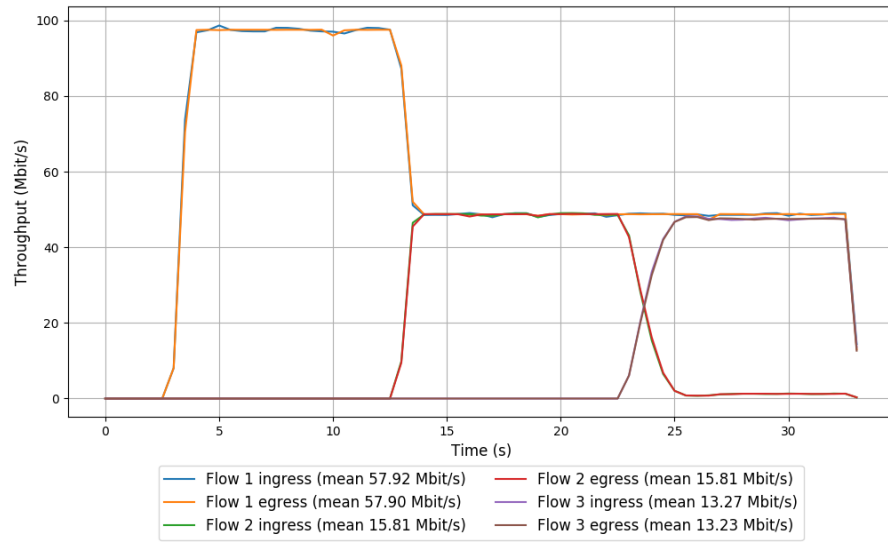
-- Flow 3:

Average throughput: 13.23 Mbit/s

95th percentile per-packet one-way delay: 20.811 ms

Loss rate: 0.34%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 14:21:50 +0000

End at: Sat, 01 Jul 2017 14:22:20 +0000

Local clock offset: 1.698 ms

Remote clock offset: -18.344 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:23:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.69 Mbit/s

95th percentile per-packet one-way delay: 21.992 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 20.844 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 15.36 Mbit/s

95th percentile per-packet one-way delay: 21.887 ms

Loss rate: 0.01%

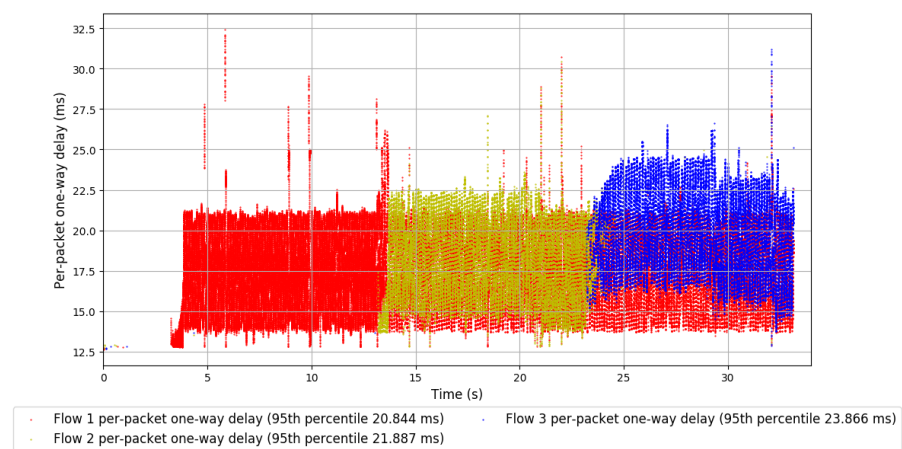
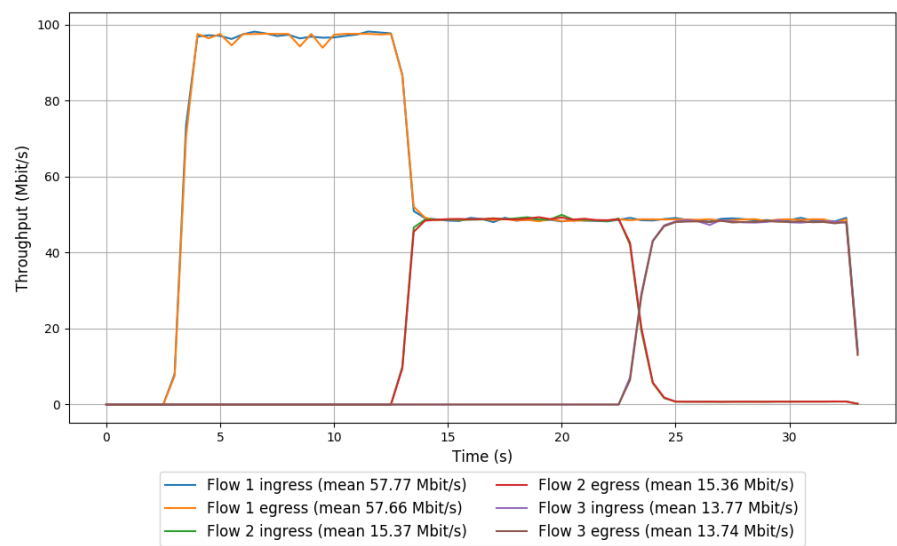
-- Flow 3:

Average throughput: 13.74 Mbit/s

95th percentile per-packet one-way delay: 23.866 ms

Loss rate: 0.32%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 14:40:08 +0000

End at: Sat, 01 Jul 2017 14:40:38 +0000

Local clock offset: 1.533 ms

Remote clock offset: -16.543 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:23:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 23.007 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 57.86 Mbit/s

95th percentile per-packet one-way delay: 22.945 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 15.89 Mbit/s

95th percentile per-packet one-way delay: 23.009 ms

Loss rate: 0.04%

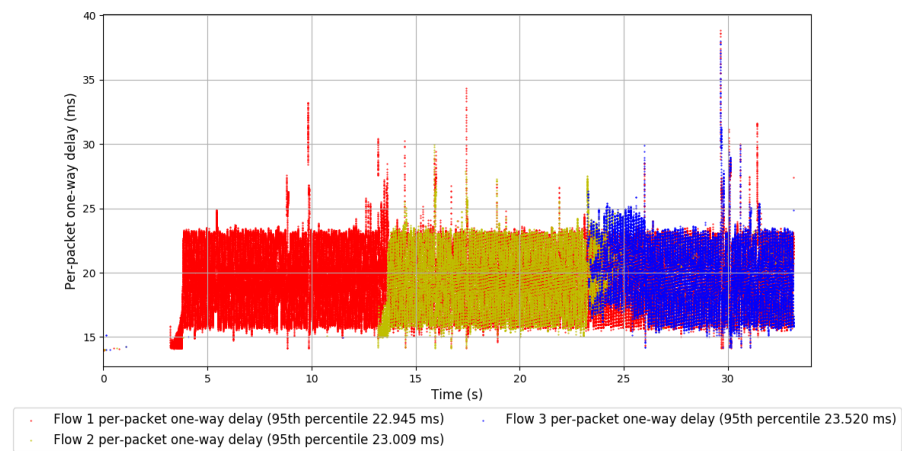
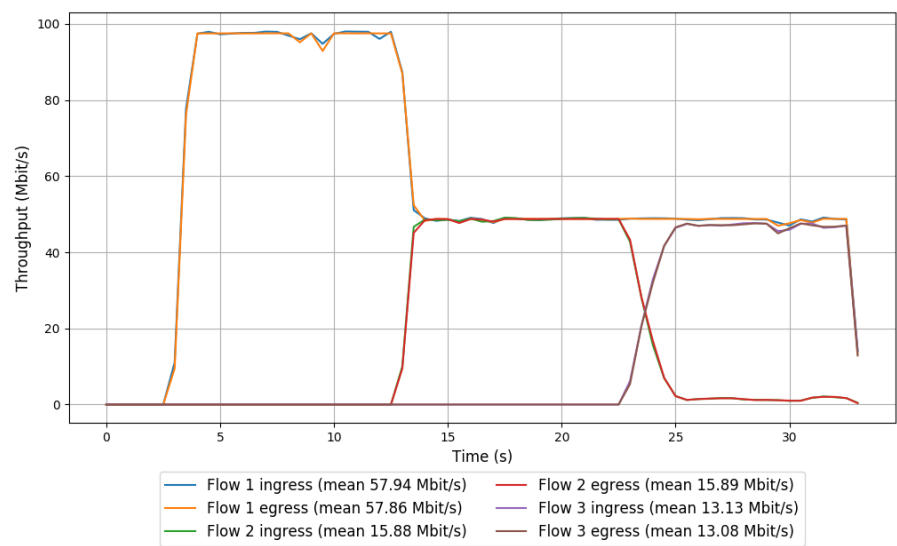
-- Flow 3:

Average throughput: 13.08 Mbit/s

95th percentile per-packet one-way delay: 23.520 ms

Loss rate: 0.42%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 14:58:58 +0000

End at: Sat, 01 Jul 2017 14:59:28 +0000

Local clock offset: 1.9 ms

Remote clock offset: -16.093 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:23:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 23.951 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 52.98 Mbit/s

95th percentile per-packet one-way delay: 23.881 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 24.12 Mbit/s

95th percentile per-packet one-way delay: 23.819 ms

Loss rate: 0.19%

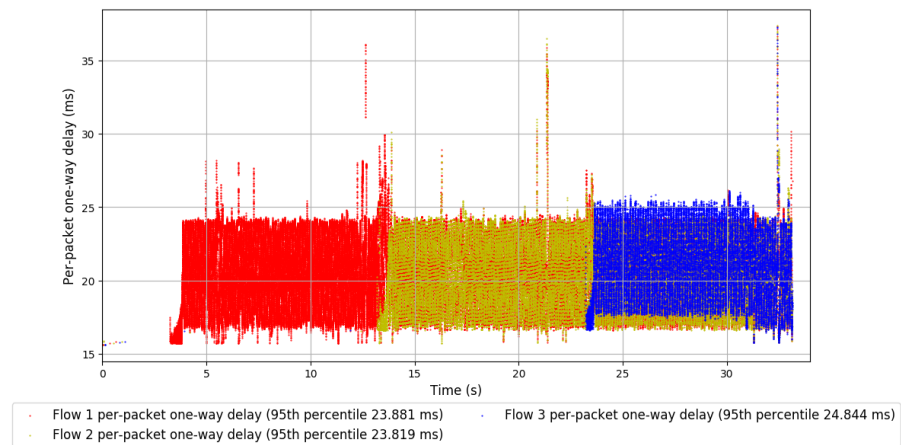
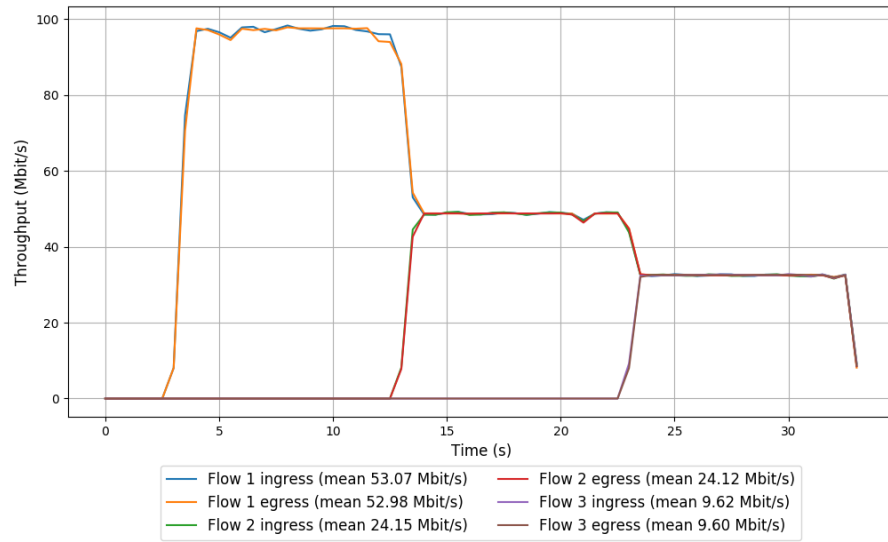
-- Flow 3:

Average throughput: 9.60 Mbit/s

95th percentile per-packet one-way delay: 24.844 ms

Loss rate: 0.32%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sat, 01 Jul 2017 12:26:28 +0000

End at: Sat, 01 Jul 2017 12:26:58 +0000

Local clock offset: -1.979 ms

Remote clock offset: -14.895 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:23:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.83 Mbit/s

95th percentile per-packet one-way delay: 12.411 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 37.94 Mbit/s

95th percentile per-packet one-way delay: 12.183 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 21.57 Mbit/s

95th percentile per-packet one-way delay: 12.455 ms

Loss rate: 0.11%

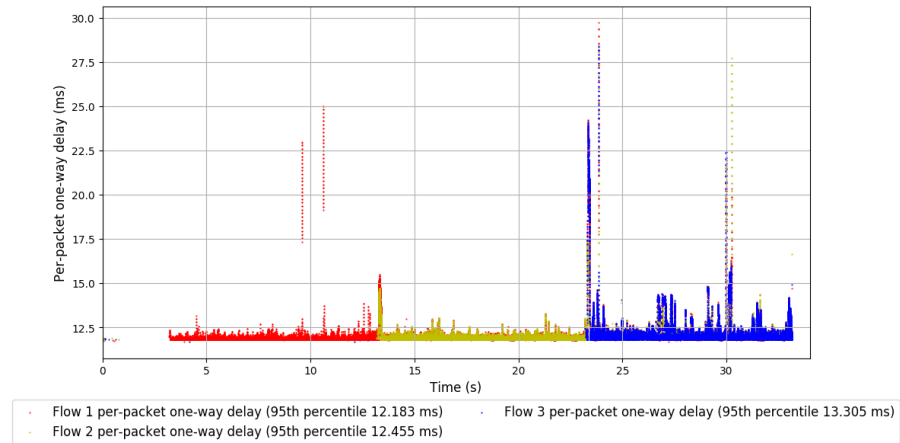
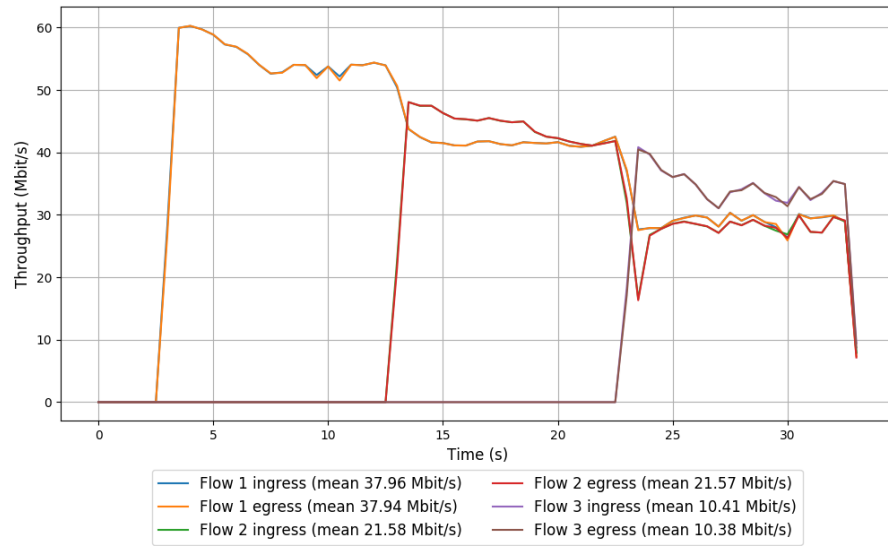
-- Flow 3:

Average throughput: 10.38 Mbit/s

95th percentile per-packet one-way delay: 13.305 ms

Loss rate: 0.28%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sat, 01 Jul 2017 12:44:46 +0000

End at: Sat, 01 Jul 2017 12:45:16 +0000

Local clock offset: 3.214 ms

Remote clock offset: -19.789 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:23:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.90 Mbit/s

95th percentile per-packet one-way delay: 11.647 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 38.69 Mbit/s

95th percentile per-packet one-way delay: 11.303 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 22.52 Mbit/s

95th percentile per-packet one-way delay: 11.757 ms

Loss rate: 0.17%

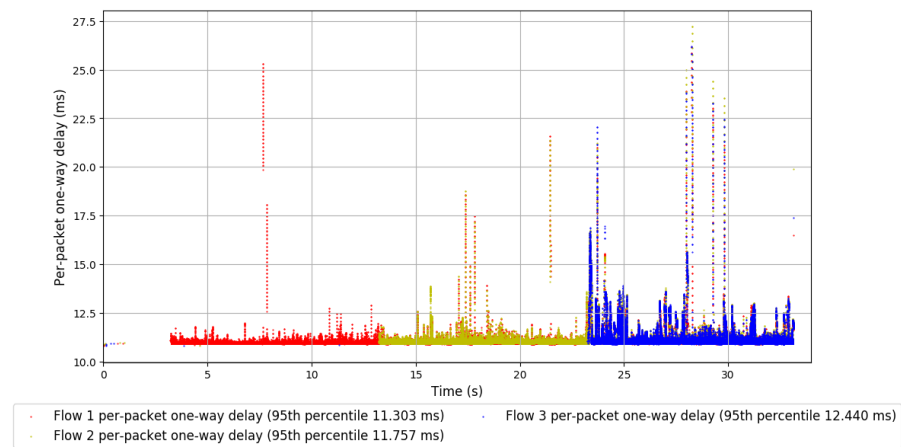
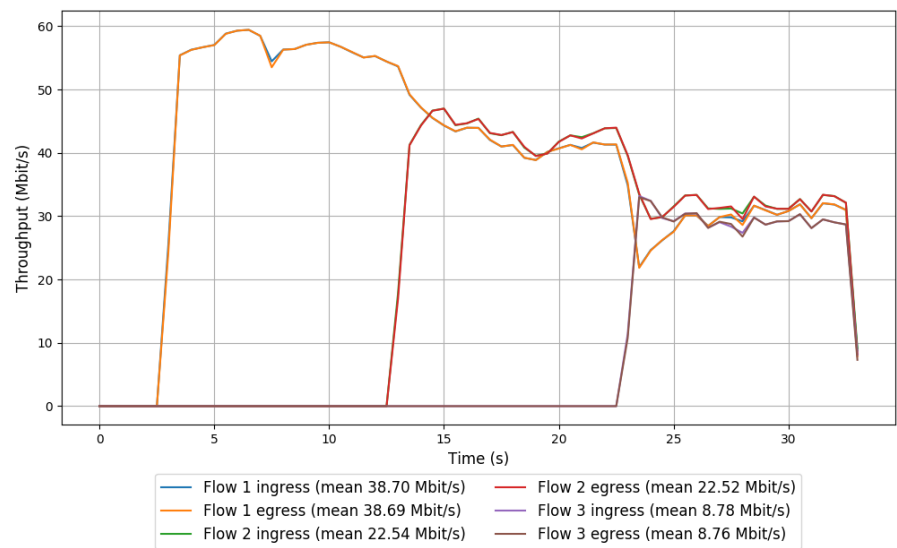
-- Flow 3:

Average throughput: 8.76 Mbit/s

95th percentile per-packet one-way delay: 12.440 ms

Loss rate: 0.29%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sat, 01 Jul 2017 13:03:11 +0000

End at: Sat, 01 Jul 2017 13:03:41 +0000

Local clock offset: 3.534 ms

Remote clock offset: -19.02 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:24:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.36 Mbit/s

95th percentile per-packet one-way delay: 10.406 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 39.56 Mbit/s

95th percentile per-packet one-way delay: 10.227 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 22.07 Mbit/s

95th percentile per-packet one-way delay: 10.512 ms

Loss rate: 0.23%

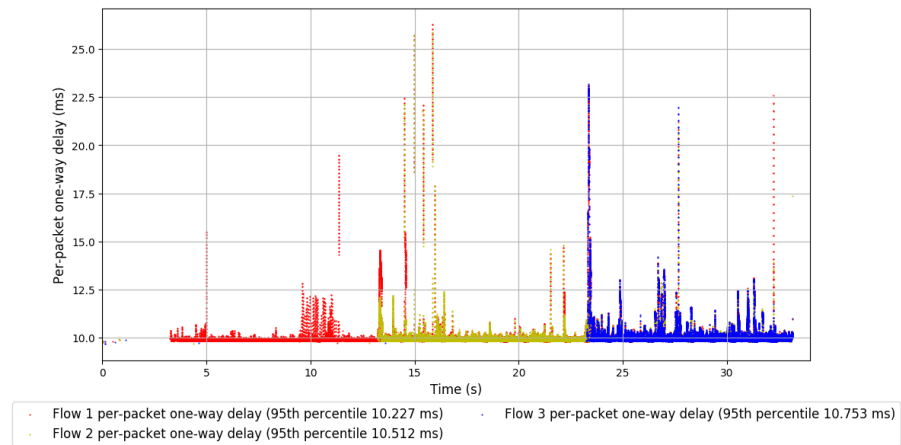
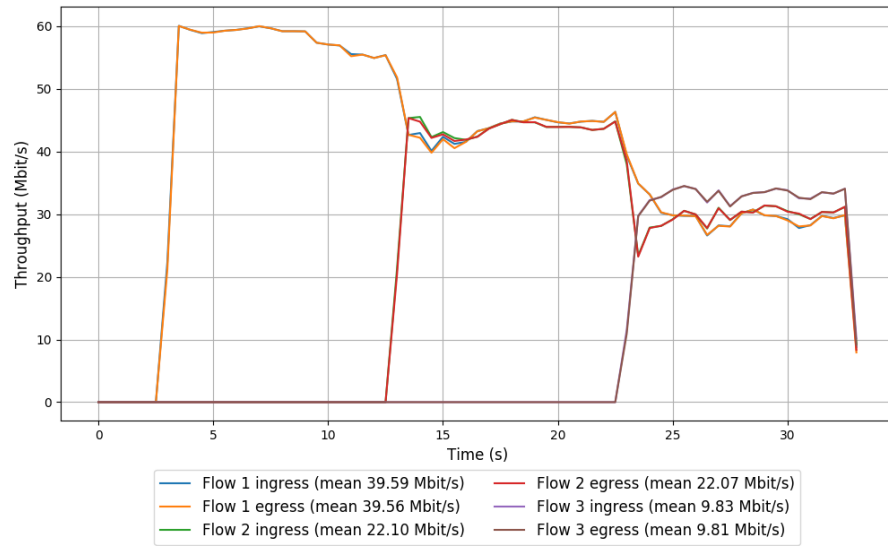
-- Flow 3:

Average throughput: 9.81 Mbit/s

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

Loss rate: 0.26%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sat, 01 Jul 2017 13:21:13 +0000

End at: Sat, 01 Jul 2017 13:21:43 +0000

Local clock offset: 4.486 ms

Remote clock offset: -18.947 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:24:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.98 Mbit/s

95th percentile per-packet one-way delay: 10.122 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 39.19 Mbit/s

95th percentile per-packet one-way delay: 9.954 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 21.58 Mbit/s

95th percentile per-packet one-way delay: 10.162 ms

Loss rate: 0.11%

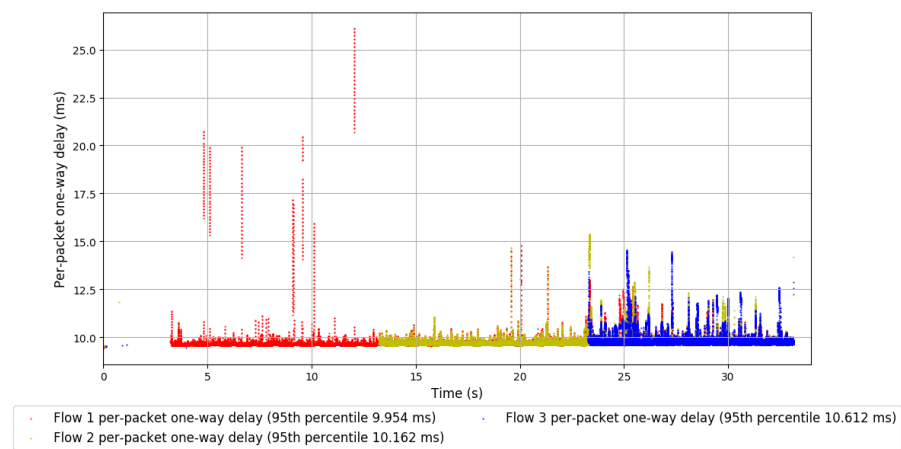
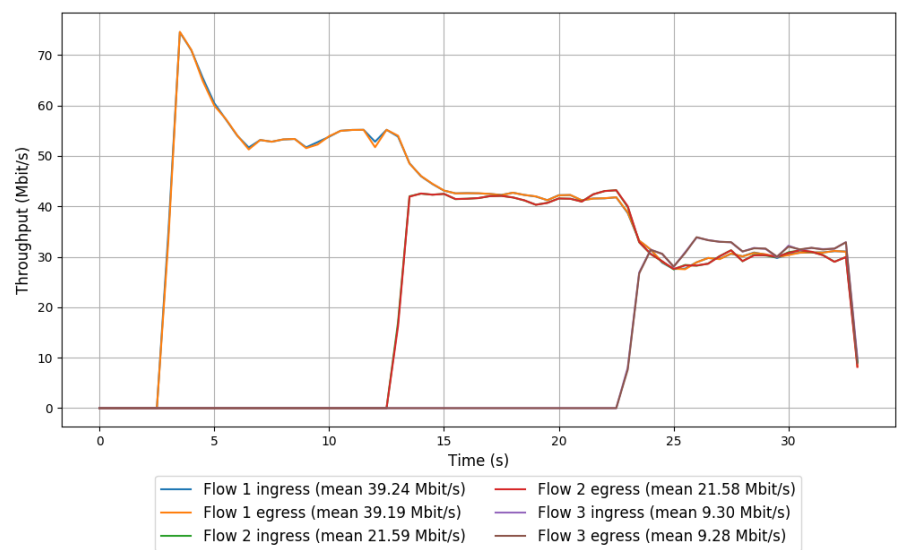
-- Flow 3:

Average throughput: 9.28 Mbit/s

95th percentile per-packet one-way delay: 10.612 ms

Loss rate: 0.27%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sat, 01 Jul 2017 13:39:21 +0000

End at: Sat, 01 Jul 2017 13:39:51 +0000

Local clock offset: 5.647 ms

Remote clock offset: -21.011 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.48 Mbit/s

95th percentile per-packet one-way delay: 10.997 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 37.94 Mbit/s

95th percentile per-packet one-way delay: 10.815 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 23.13 Mbit/s

95th percentile per-packet one-way delay: 11.072 ms

Loss rate: 0.14%

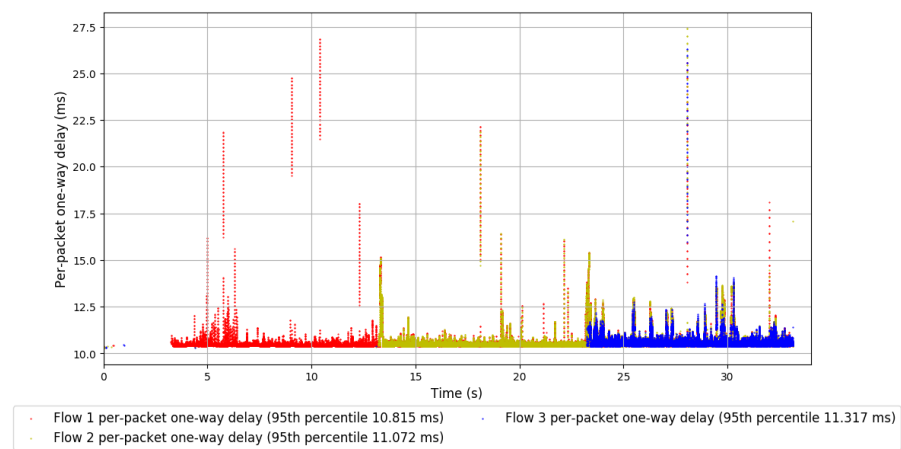
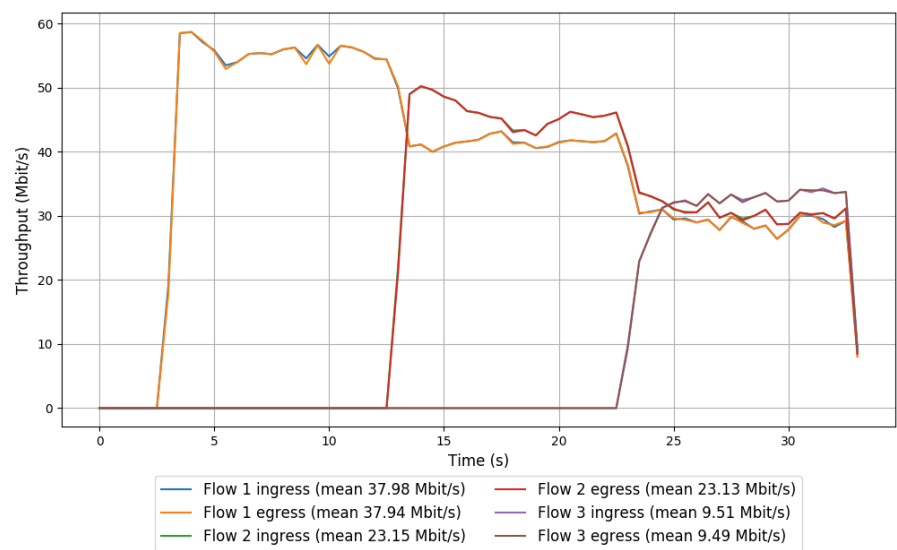
-- Flow 3:

Average throughput: 9.49 Mbit/s

95th percentile per-packet one-way delay: 11.317 ms

Loss rate: 0.29%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sat, 01 Jul 2017 13:57:36 +0000

End at: Sat, 01 Jul 2017 13:58:06 +0000

Local clock offset: 3.122 ms

Remote clock offset: -19.229 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.25 Mbit/s

95th percentile per-packet one-way delay: 11.187 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 37.60 Mbit/s

95th percentile per-packet one-way delay: 11.092 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 11.231 ms

Loss rate: 0.13%

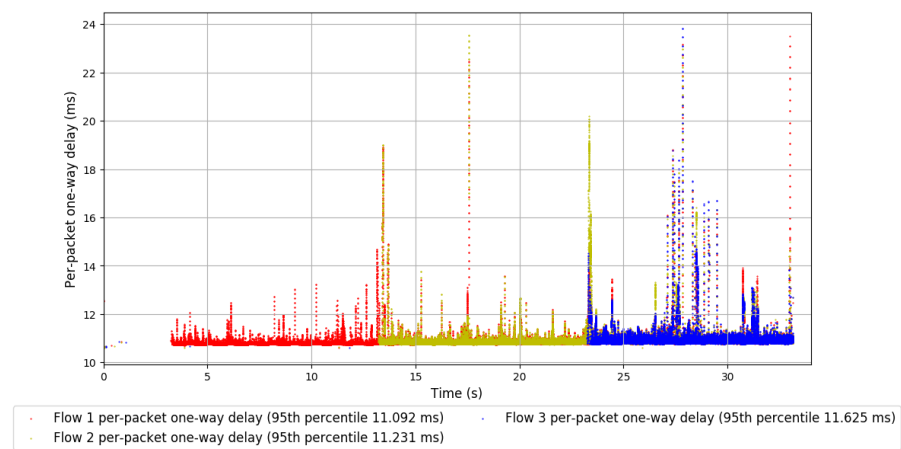
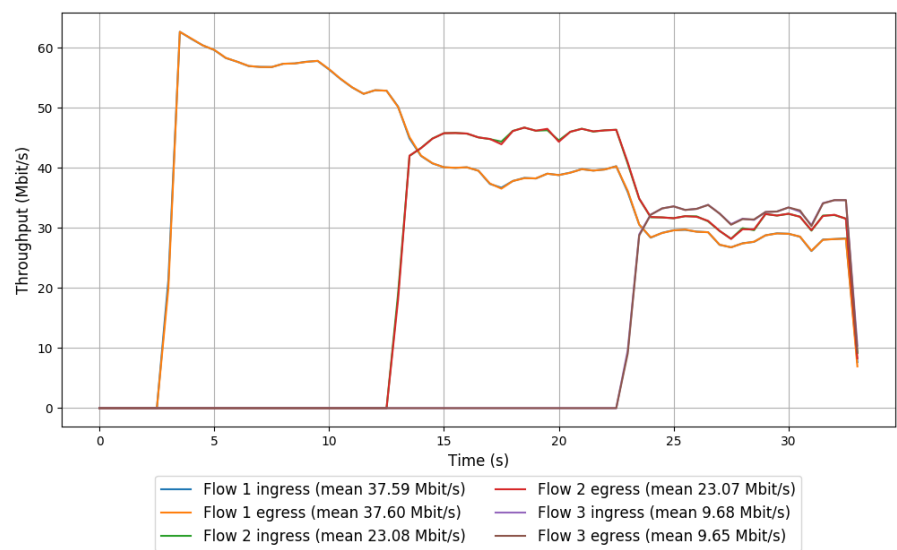
-- Flow 3:

Average throughput: 9.65 Mbit/s

95th percentile per-packet one-way delay: 11.625 ms

Loss rate: 0.30%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sat, 01 Jul 2017 14:15:38 +0000

End at: Sat, 01 Jul 2017 14:16:08 +0000

Local clock offset: 2.561 ms

Remote clock offset: -18.295 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:24:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 12.961 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 37.25 Mbit/s

95th percentile per-packet one-way delay: 12.789 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 22.63 Mbit/s

95th percentile per-packet one-way delay: 12.999 ms

Loss rate: 0.16%

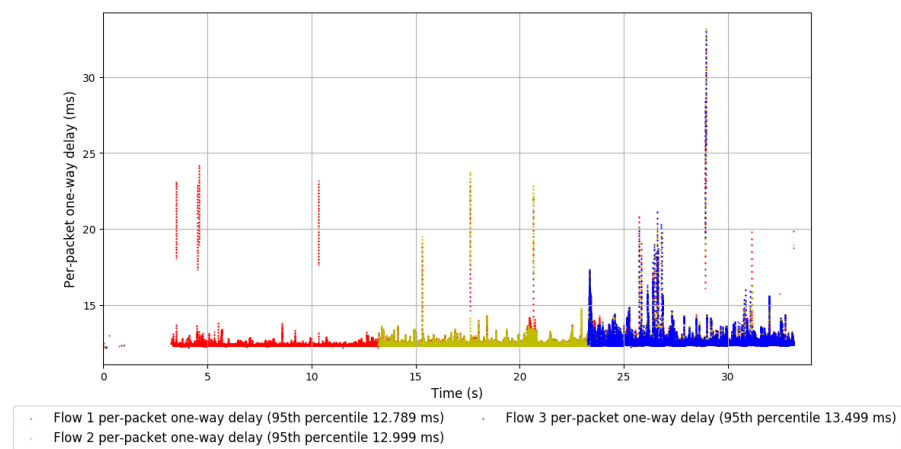
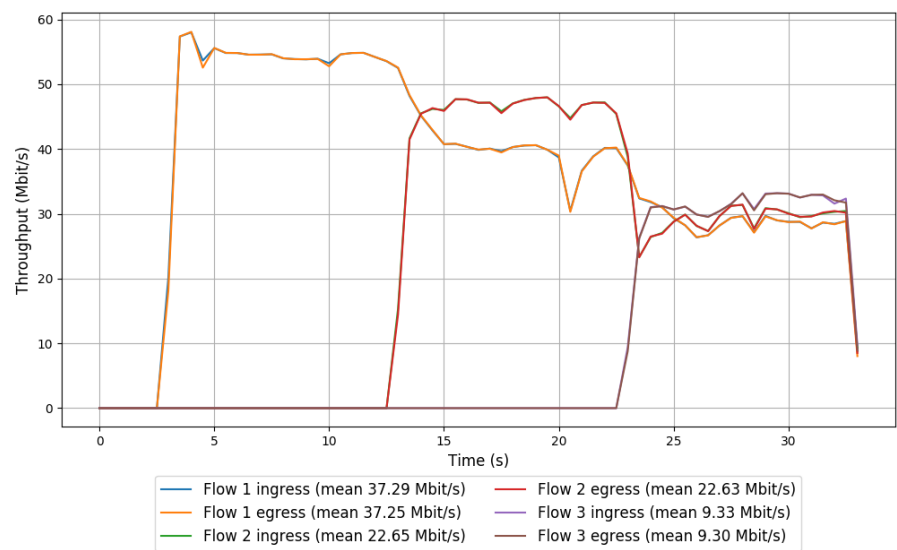
-- Flow 3:

Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 13.499 ms

Loss rate: 0.32%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sat, 01 Jul 2017 14:33:55 +0000

End at: Sat, 01 Jul 2017 14:34:25 +0000

Local clock offset: -0.433 ms

Remote clock offset: -16.345 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:24:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.02 Mbit/s

95th percentile per-packet one-way delay: 14.309 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 37.32 Mbit/s

95th percentile per-packet one-way delay: 14.070 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 21.97 Mbit/s

95th percentile per-packet one-way delay: 14.389 ms

Loss rate: 0.21%

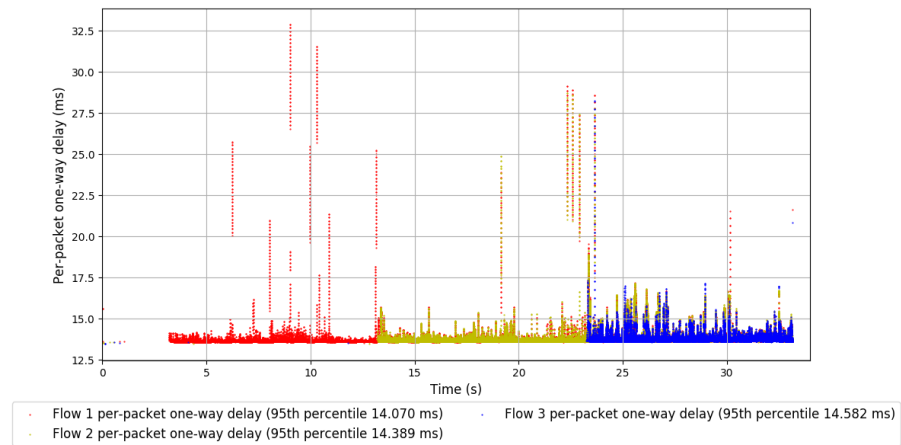
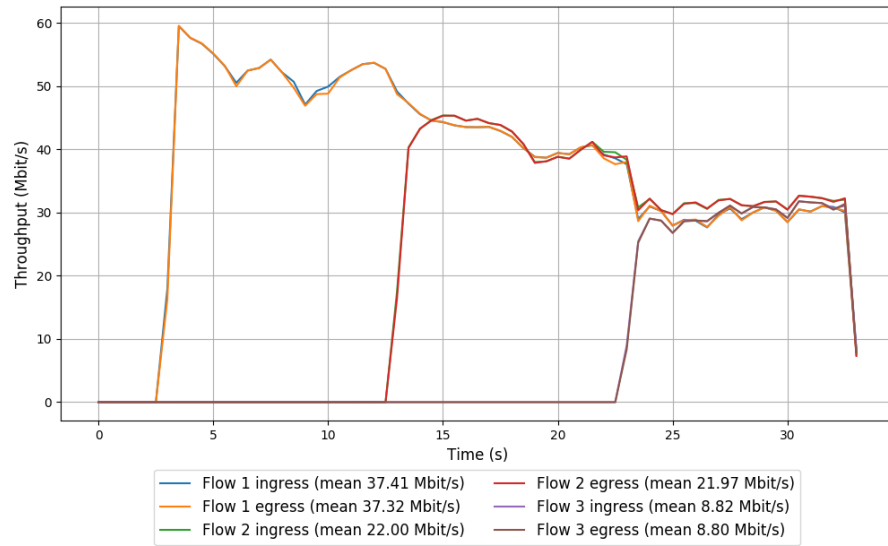
-- Flow 3:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 14.582 ms

Loss rate: 0.27%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sat, 01 Jul 2017 14:52:37 +0000

End at: Sat, 01 Jul 2017 14:53:07 +0000

Local clock offset: -0.483 ms

Remote clock offset: -16.372 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.82 Mbit/s

95th percentile per-packet one-way delay: 16.221 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 37.21 Mbit/s

95th percentile per-packet one-way delay: 16.023 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 22.81 Mbit/s

95th percentile per-packet one-way delay: 16.305 ms

Loss rate: 0.17%

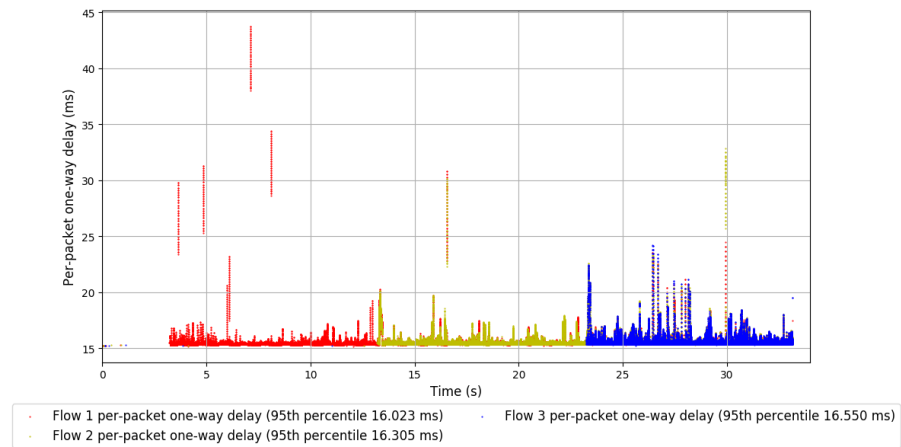
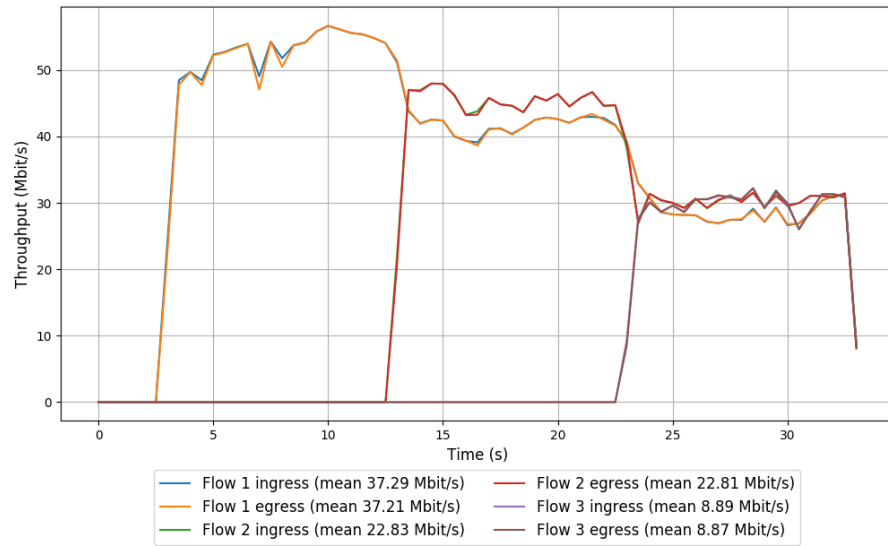
-- Flow 3:

Average throughput: 8.87 Mbit/s

95th percentile per-packet one-way delay: 16.550 ms

Loss rate: 0.25%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sat, 01 Jul 2017 15:11:01 +0000

End at: Sat, 01 Jul 2017 15:11:31 +0000

Local clock offset: -0.709 ms

Remote clock offset: -17.051 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.36 Mbit/s

95th percentile per-packet one-way delay: 16.342 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 35.82 Mbit/s

95th percentile per-packet one-way delay: 16.139 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 22.37 Mbit/s

95th percentile per-packet one-way delay: 16.398 ms

Loss rate: 0.39%

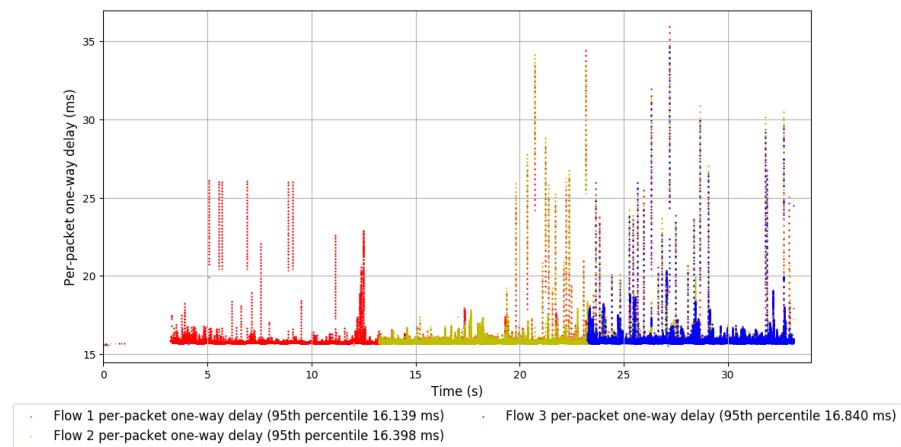
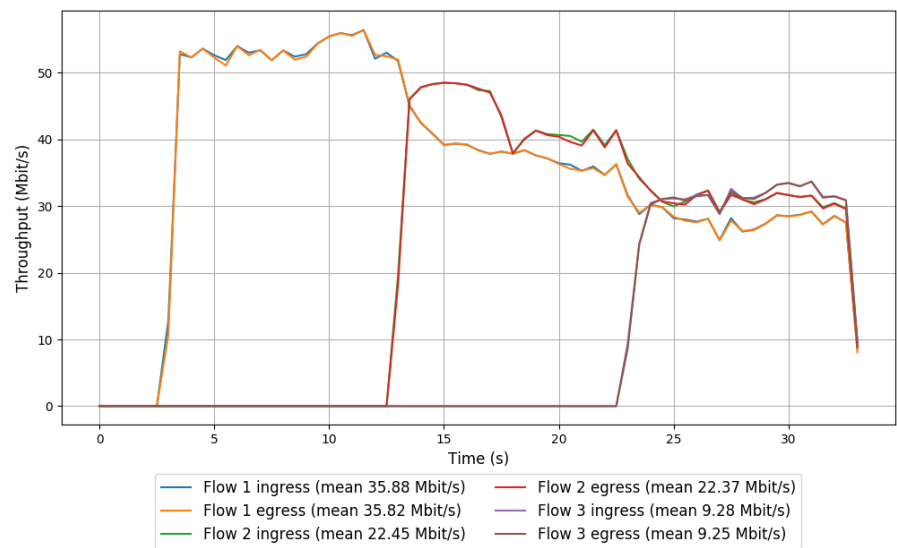
-- Flow 3:

Average throughput: 9.25 Mbit/s

95th percentile per-packet one-way delay: 16.840 ms

Loss rate: 0.39%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 12:16:50 +0000

End at: Sat, 01 Jul 2017 12:17:20 +0000

Local clock offset: 3.026 ms

Remote clock offset: -18.136 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:25:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 47.412 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 53.50 Mbit/s

95th percentile per-packet one-way delay: 47.342 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 23.72 Mbit/s

95th percentile per-packet one-way delay: 47.400 ms

Loss rate: 0.42%

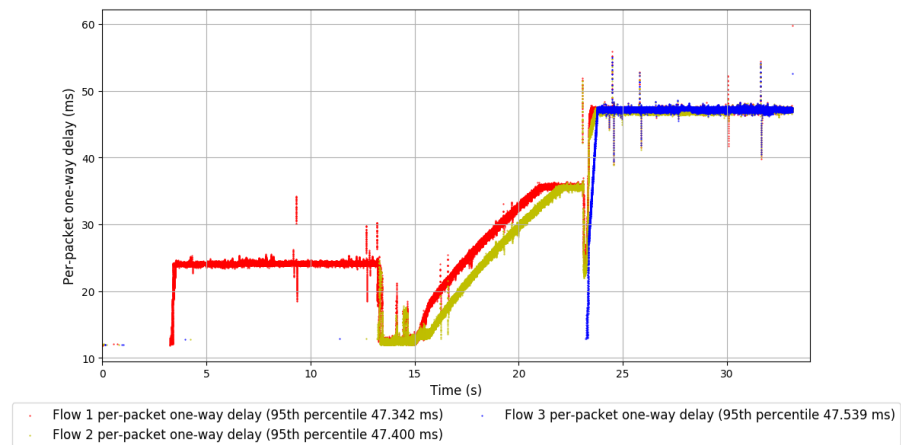
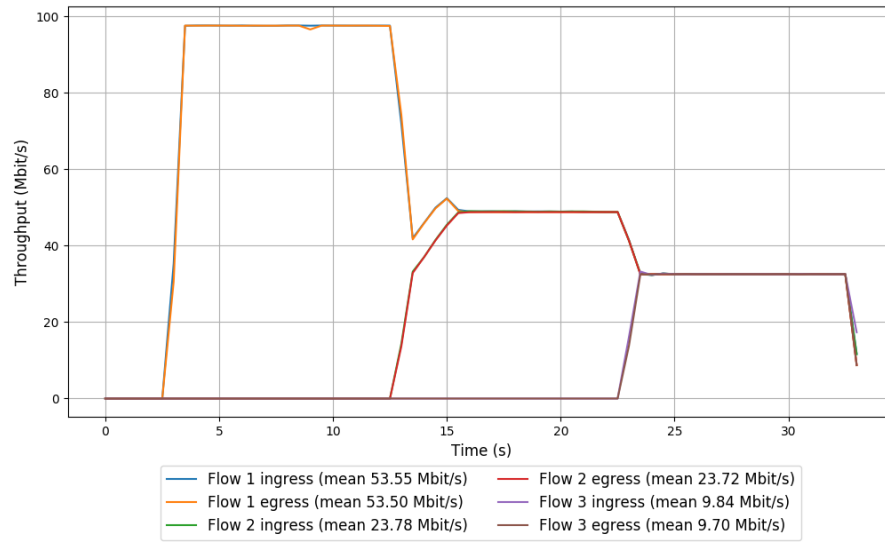
-- Flow 3:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 47.539 ms

Loss rate: 1.79%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 12:35:09 +0000

End at: Sat, 01 Jul 2017 12:35:39 +0000

Local clock offset: -1.65 ms

Remote clock offset: -18.077 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:25:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.00 Mbit/s

95th percentile per-packet one-way delay: 57.893 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 48.63 Mbit/s

95th percentile per-packet one-way delay: 57.864 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 29.25 Mbit/s

95th percentile per-packet one-way delay: 35.339 ms

Loss rate: 0.29%

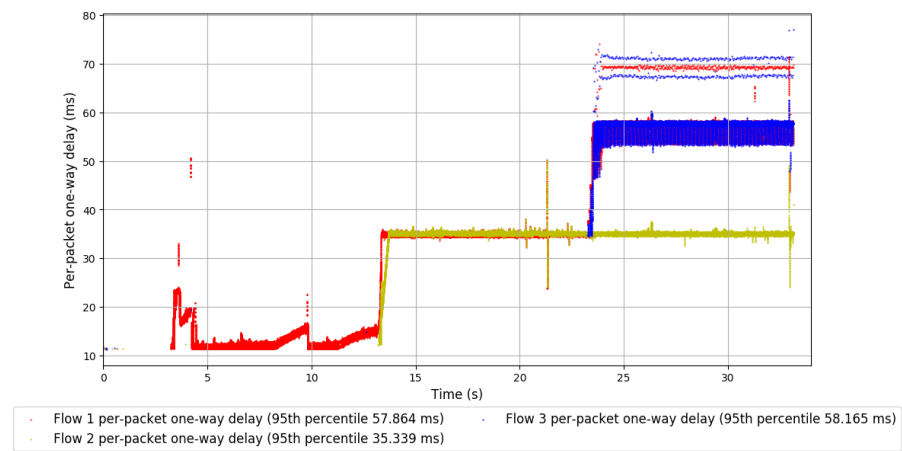
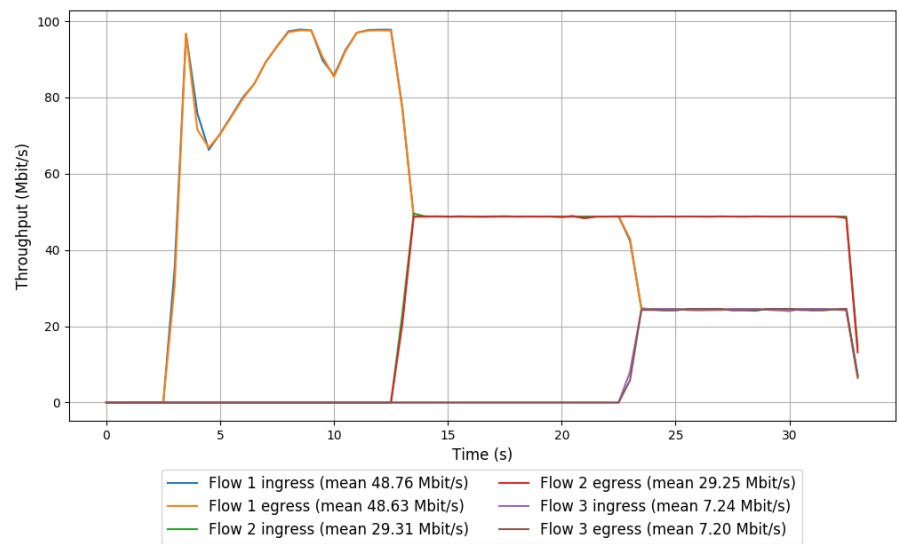
-- Flow 3:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 58.165 ms

Loss rate: 0.70%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 12:53:39 +0000

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

Local clock offset: 1.339 ms

Remote clock offset: -18.783 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:25:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 57.061 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 51.32 Mbit/s

95th percentile per-packet one-way delay: 57.014 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 21.89 Mbit/s

95th percentile per-packet one-way delay: 57.179 ms

Loss rate: 0.27%

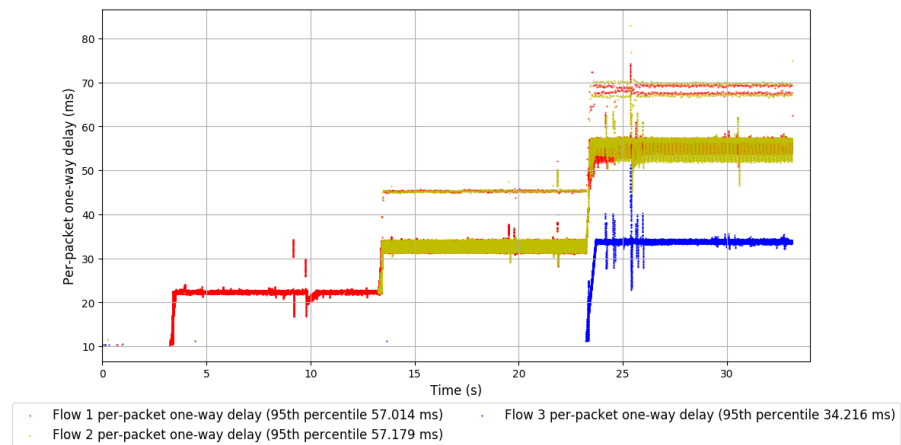
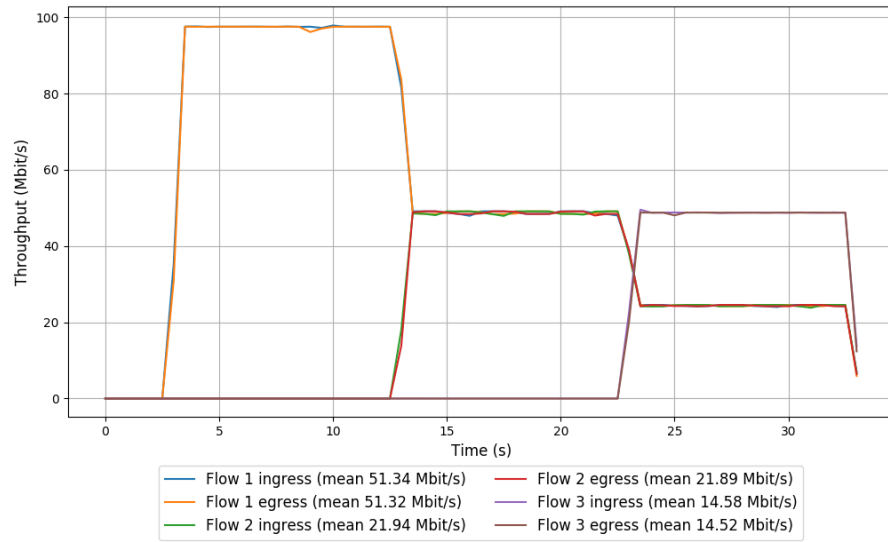
-- Flow 3:

Average throughput: 14.52 Mbit/s

95th percentile per-packet one-way delay: 34.216 ms

Loss rate: 0.55%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 13:11:47 +0000

End at: Sat, 01 Jul 2017 13:12:17 +0000

Local clock offset: 4.289 ms

Remote clock offset: -20.65 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:25:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.79 Mbit/s

95th percentile per-packet one-way delay: 56.168 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 51.43 Mbit/s

95th percentile per-packet one-way delay: 56.126 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 33.464 ms

Loss rate: 0.26%

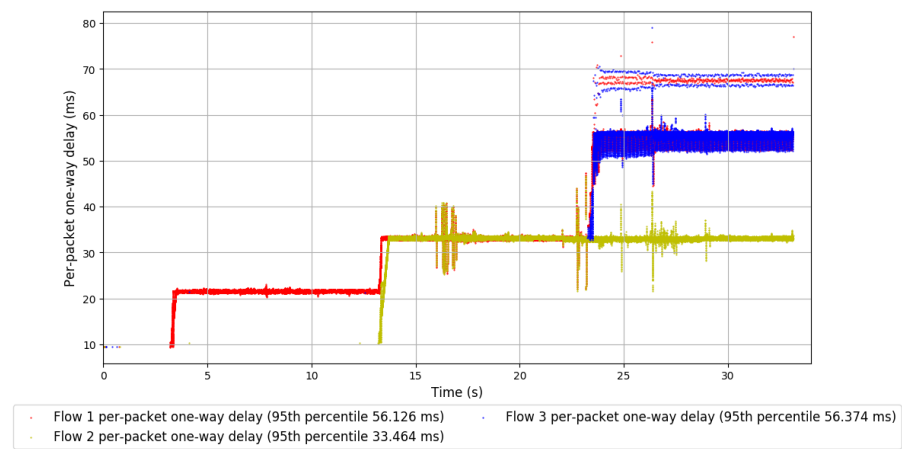
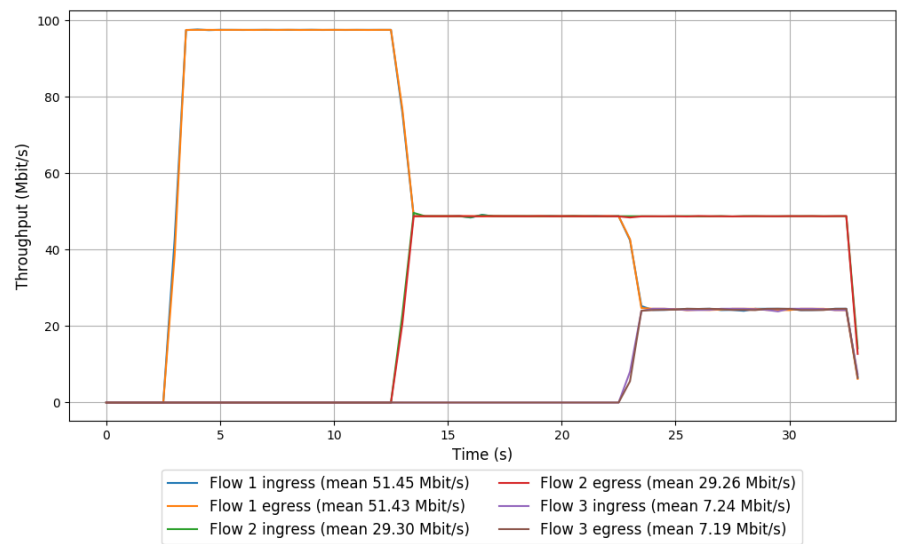
-- Flow 3:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: 56.374 ms

Loss rate: 0.73%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 13:29:53 +0000

End at: Sat, 01 Jul 2017 13:30:23 +0000

Local clock offset: 1.09 ms

Remote clock offset: -20.121 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:25:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.69 Mbit/s

95th percentile per-packet one-way delay: 43.446 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 48.46 Mbit/s

95th percentile per-packet one-way delay: 41.671 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 27.47 Mbit/s

95th percentile per-packet one-way delay: 43.676 ms

Loss rate: 0.22%

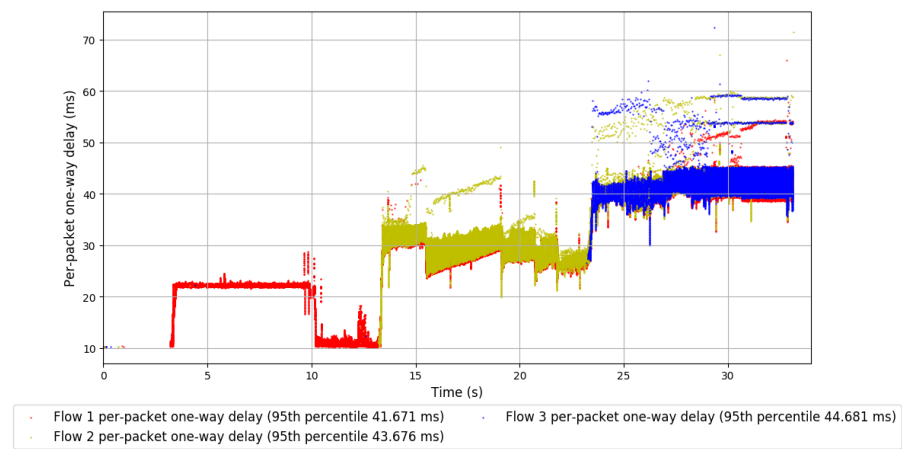
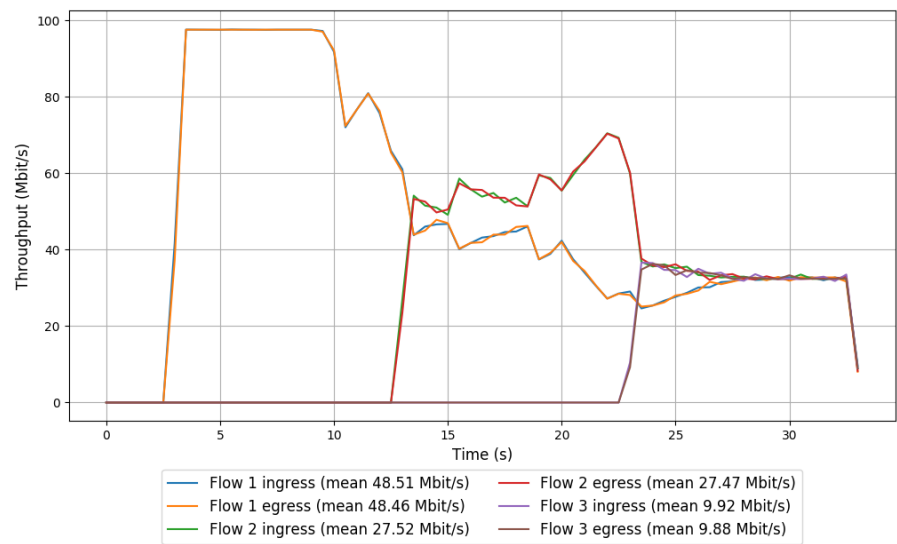
-- Flow 3:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 44.681 ms

Loss rate: 0.51%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 13:47:57 +0000

End at: Sat, 01 Jul 2017 13:48:27 +0000

Local clock offset: 4.249 ms

Remote clock offset: -19.687 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 45.530 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 45.264 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 26.99 Mbit/s

95th percentile per-packet one-way delay: 45.530 ms

Loss rate: 0.32%

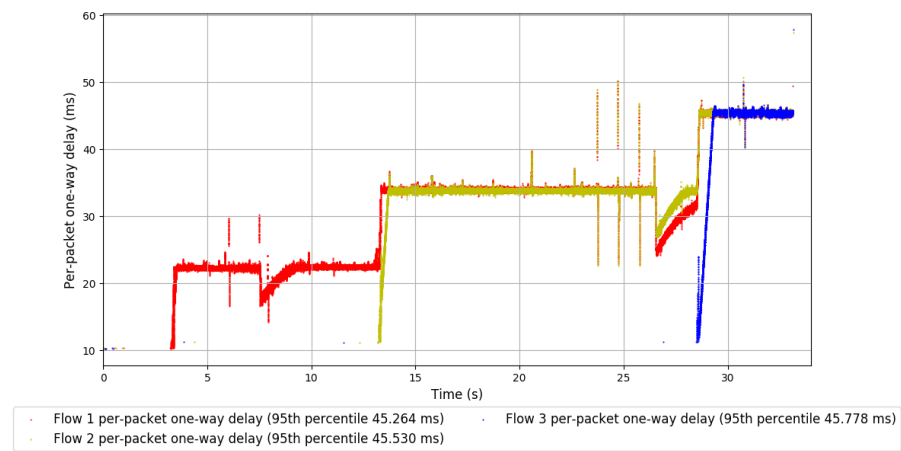
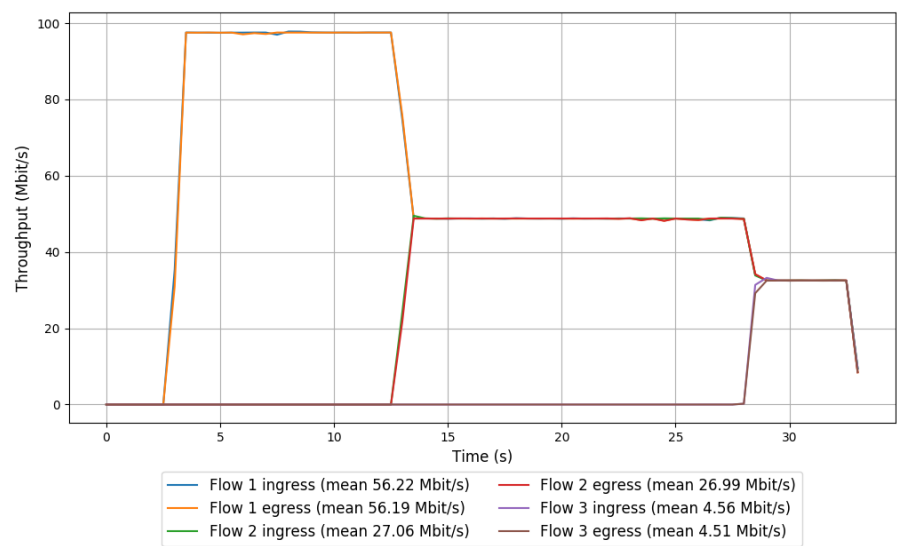
-- Flow 3:

Average throughput: 4.51 Mbit/s

95th percentile per-packet one-way delay: 45.778 ms

Loss rate: 1.30%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 14:06:15 +0000

End at: Sat, 01 Jul 2017 14:06:45 +0000

Local clock offset: 3.289 ms

Remote clock offset: -17.681 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:25:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 57.984 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 51.46 Mbit/s

95th percentile per-packet one-way delay: 57.939 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 21.84 Mbit/s

95th percentile per-packet one-way delay: 58.150 ms

Loss rate: 0.31%

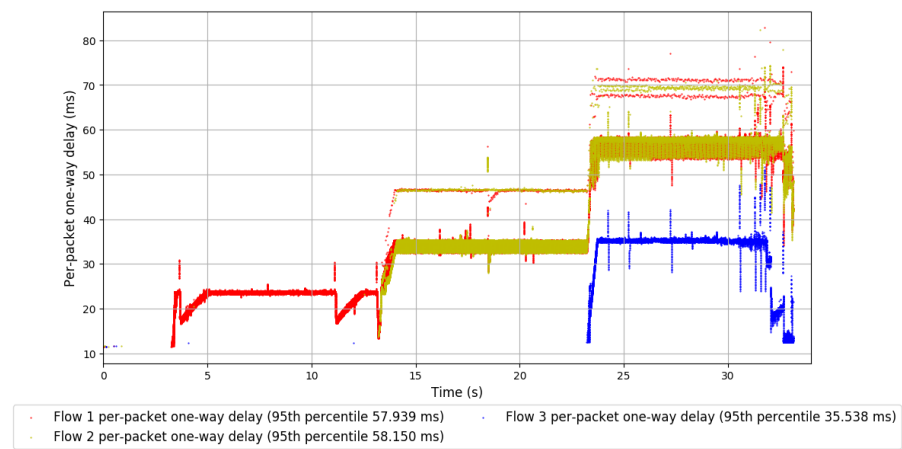
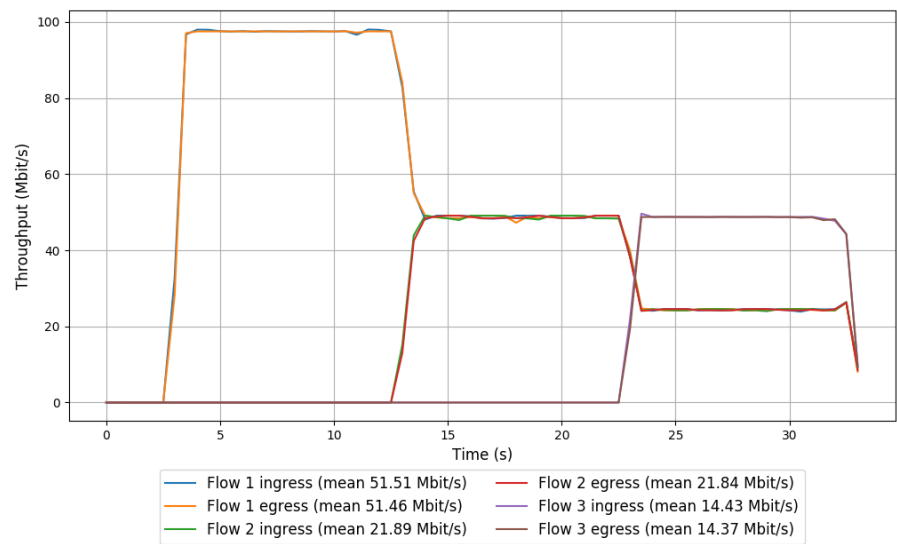
-- Flow 3:

Average throughput: 14.37 Mbit/s

95th percentile per-packet one-way delay: 35.538 ms

Loss rate: 0.46%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 14:24:13 +0000

End at: Sat, 01 Jul 2017 14:24:43 +0000

Local clock offset: 3.494 ms

Remote clock offset: -18.158 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:25:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.55 Mbit/s

95th percentile per-packet one-way delay: 59.712 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 50.96 Mbit/s

95th percentile per-packet one-way delay: 59.664 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 22.16 Mbit/s

95th percentile per-packet one-way delay: 59.838 ms

Loss rate: 0.37%

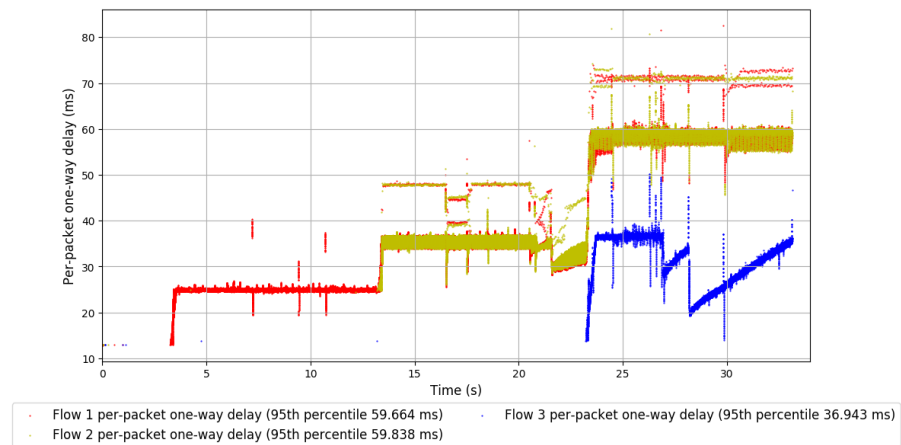
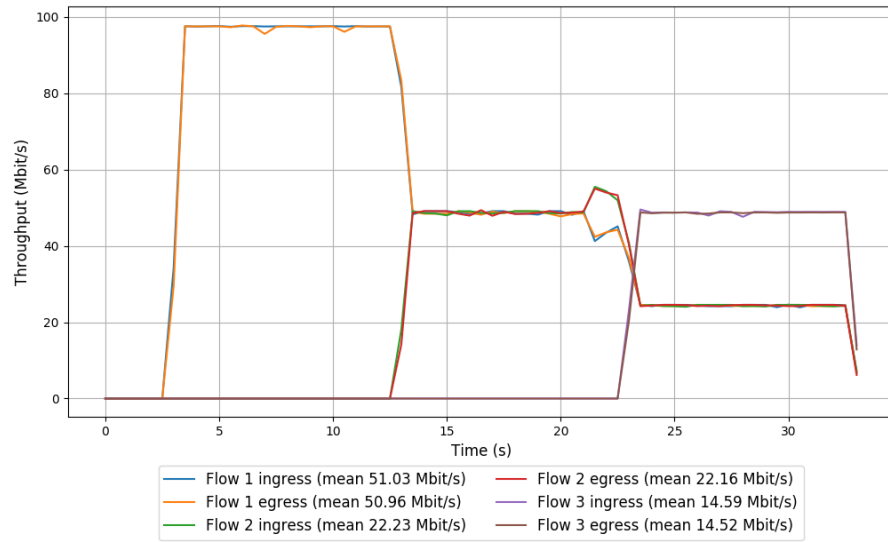
-- Flow 3:

Average throughput: 14.52 Mbit/s

95th percentile per-packet one-way delay: 36.943 ms

Loss rate: 0.58%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 14:42:47 +0000

End at: Sat, 01 Jul 2017 14:43:17 +0000

Local clock offset: 0.981 ms

Remote clock offset: -16.681 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.61 Mbit/s

95th percentile per-packet one-way delay: 49.893 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 53.63 Mbit/s

95th percentile per-packet one-way delay: 49.752 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 24.41 Mbit/s

95th percentile per-packet one-way delay: 49.948 ms

Loss rate: 0.35%

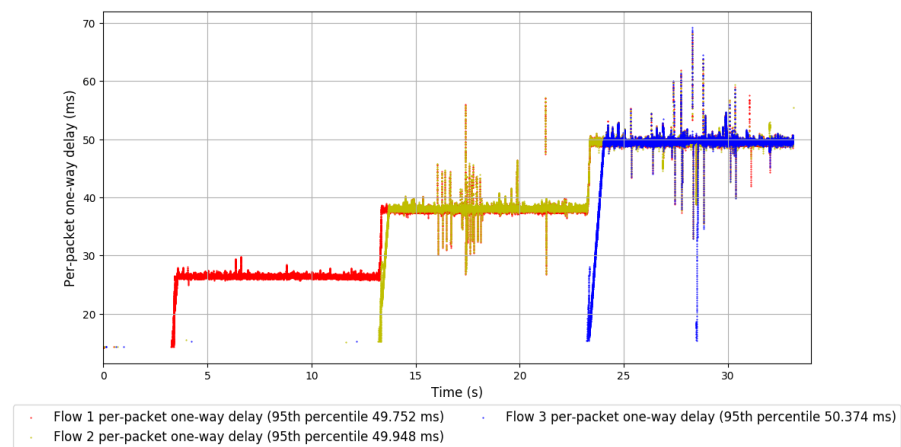
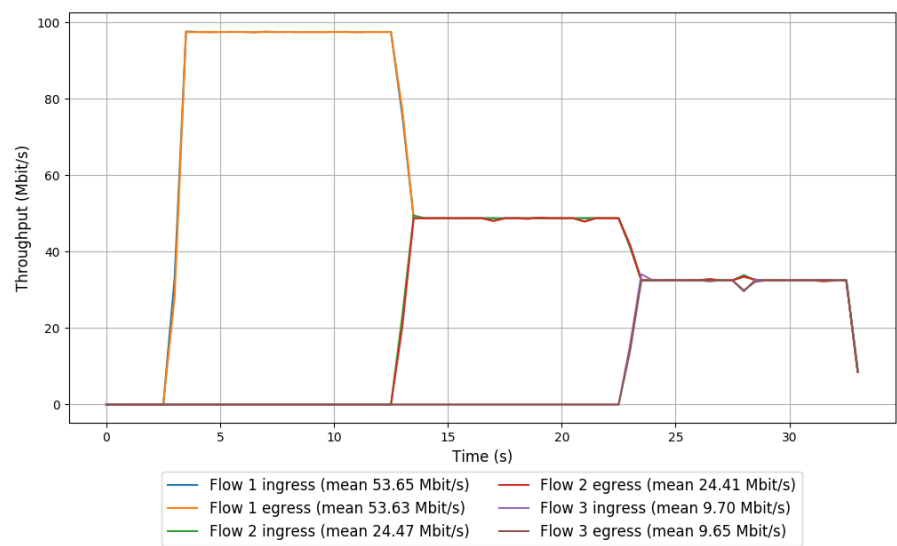
-- Flow 3:

Average throughput: 9.65 Mbit/s

95th percentile per-packet one-way delay: 50.374 ms

Loss rate: 0.64%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 15:01:26 +0000

End at: Sat, 01 Jul 2017 15:01:56 +0000

Local clock offset: 1.233 ms

Remote clock offset: -17.913 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.57 Mbit/s

95th percentile per-packet one-way delay: 62.312 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 57.28 Mbit/s

95th percentile per-packet one-way delay: 34.004 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 22.63 Mbit/s

95th percentile per-packet one-way delay: 62.452 ms

Loss rate: 0.38%

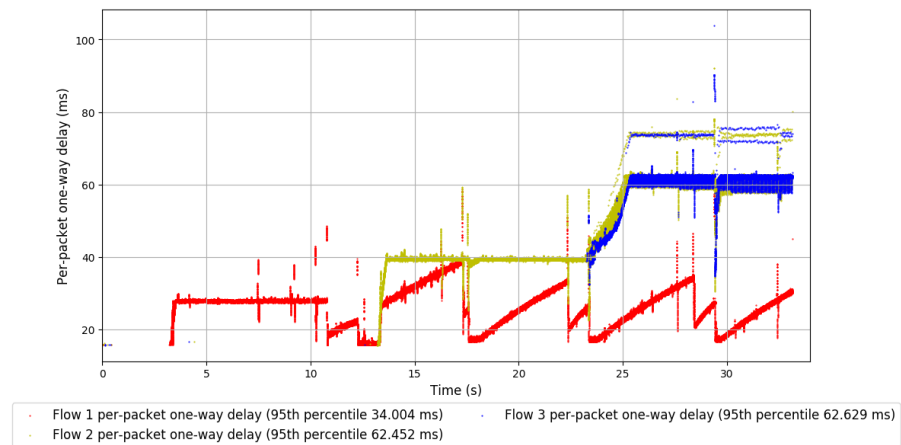
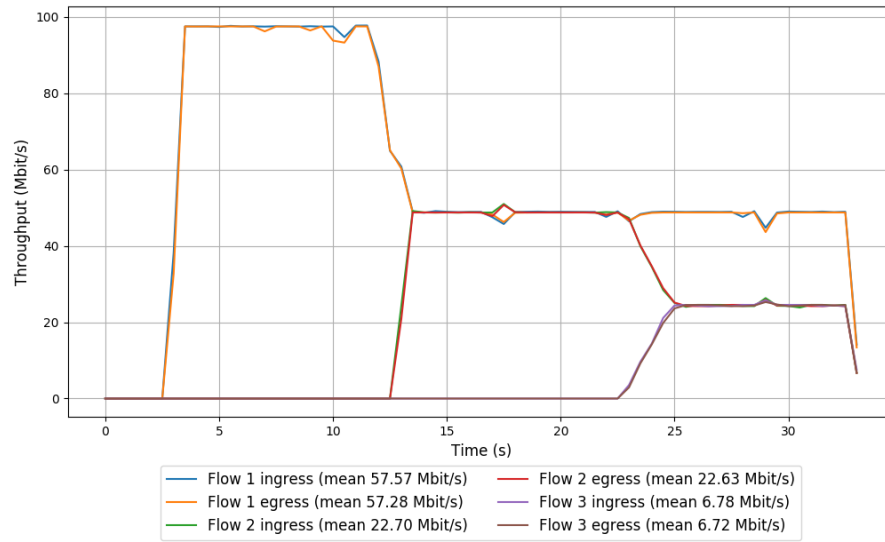
-- Flow 3:

Average throughput: 6.72 Mbit/s

95th percentile per-packet one-way delay: 62.629 ms

Loss rate: 0.98%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 12:19:09 +0000

End at: Sat, 01 Jul 2017 12:19:39 +0000

Local clock offset: 2.954 ms

Remote clock offset: -19.274 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.58 Mbit/s

95th percentile per-packet one-way delay: 19.933 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 33.93 Mbit/s

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

Loss rate: 0.08%

-- Flow 2:

Average throughput: 27.97 Mbit/s

95th percentile per-packet one-way delay: 13.583 ms

Loss rate: 0.21%

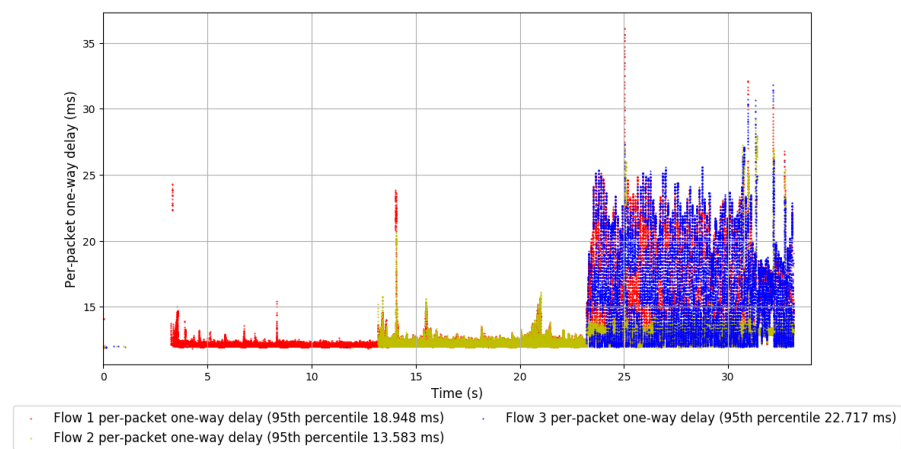
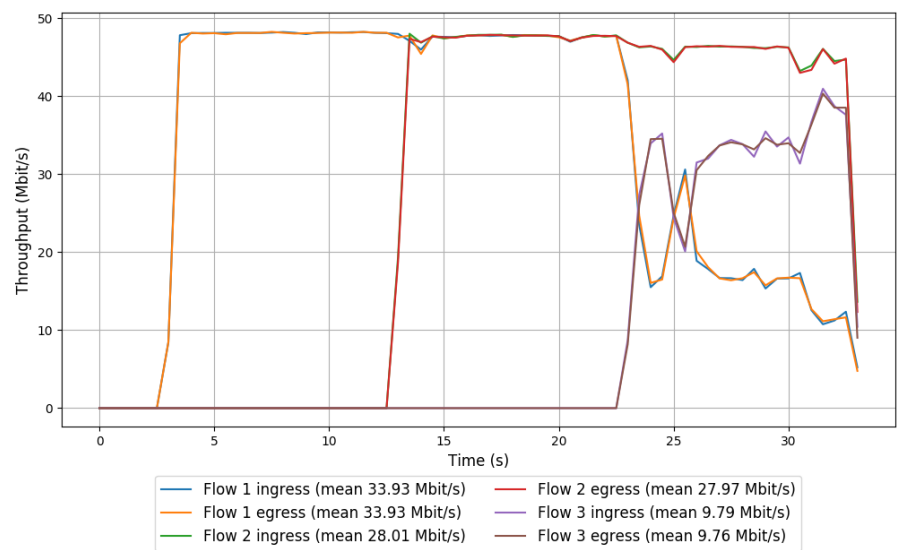
-- Flow 3:

Average throughput: 9.76 Mbit/s

95th percentile per-packet one-way delay: 22.717 ms

Loss rate: 0.39%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 12:37:27 +0000

End at: Sat, 01 Jul 2017 12:37:57 +0000

Local clock offset: 0.498 ms

Remote clock offset: -20.774 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.80 Mbit/s

95th percentile per-packet one-way delay: 20.117 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 37.18 Mbit/s

95th percentile per-packet one-way delay: 20.376 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 20.98 Mbit/s

95th percentile per-packet one-way delay: 20.920 ms

Loss rate: 0.14%

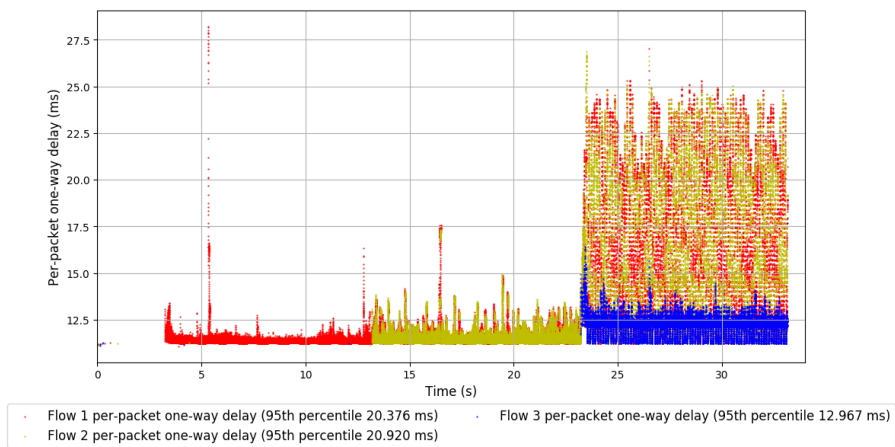
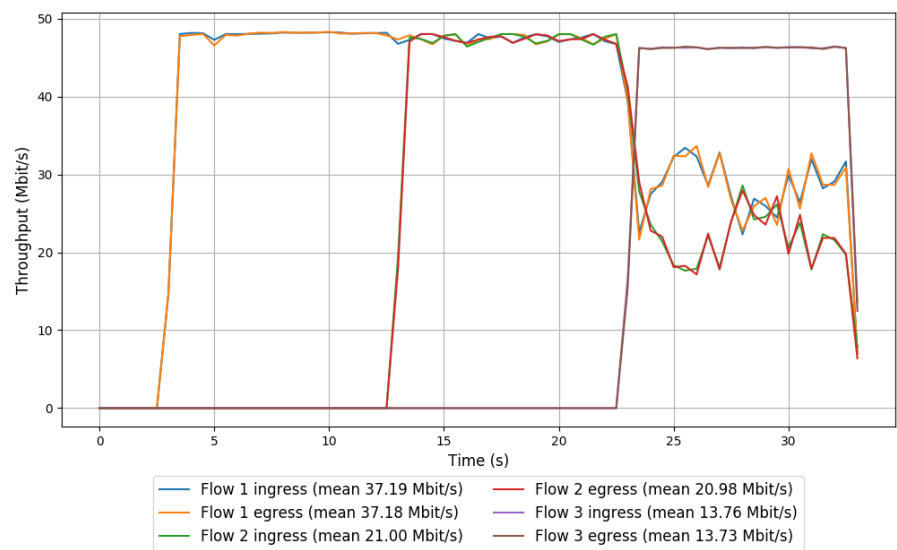
-- Flow 3:

Average throughput: 13.73 Mbit/s

95th percentile per-packet one-way delay: 12.967 ms

Loss rate: 0.26%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 12:55:58 +0000

End at: Sat, 01 Jul 2017 12:56:28 +0000

Local clock offset: 3.649 ms

Remote clock offset: -20.445 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.44 Mbit/s

95th percentile per-packet one-way delay: 19.436 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 38.22 Mbit/s

95th percentile per-packet one-way delay: 18.472 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 23.84 Mbit/s

95th percentile per-packet one-way delay: 19.432 ms

Loss rate: 0.20%

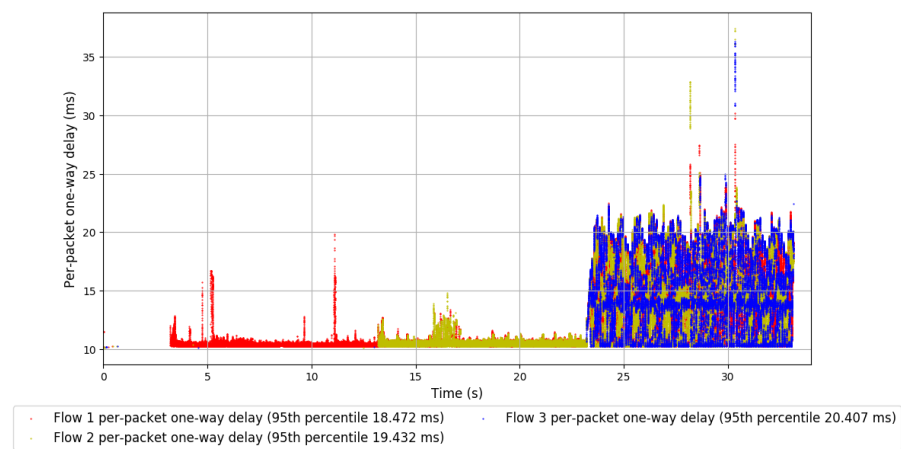
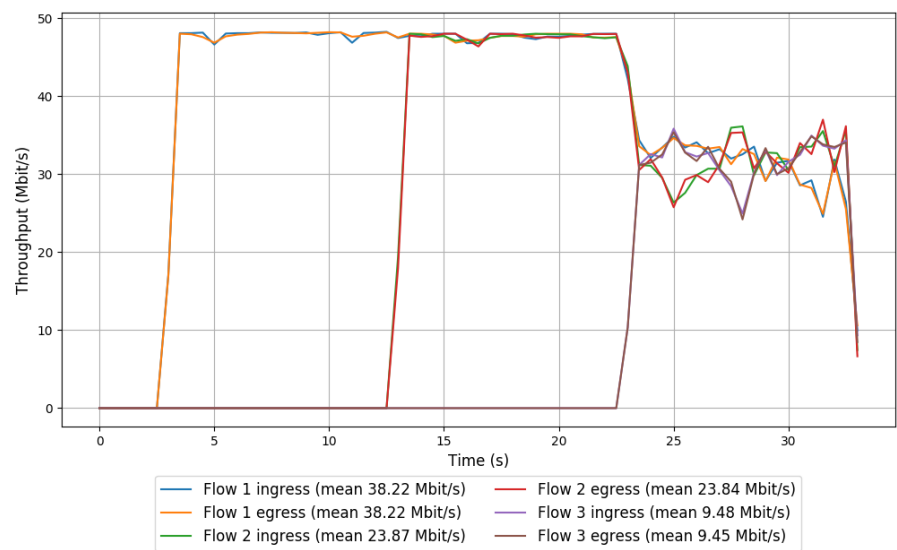
-- Flow 3:

Average throughput: 9.45 Mbit/s

95th percentile per-packet one-way delay: 20.407 ms

Loss rate: 0.35%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 13:14:03 +0000

End at: Sat, 01 Jul 2017 13:14:33 +0000

Local clock offset: 1.643 ms

Remote clock offset: -20.749 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.22 Mbit/s

95th percentile per-packet one-way delay: 20.016 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 37.24 Mbit/s

95th percentile per-packet one-way delay: 18.975 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 23.52 Mbit/s

95th percentile per-packet one-way delay: 20.081 ms

Loss rate: 0.15%

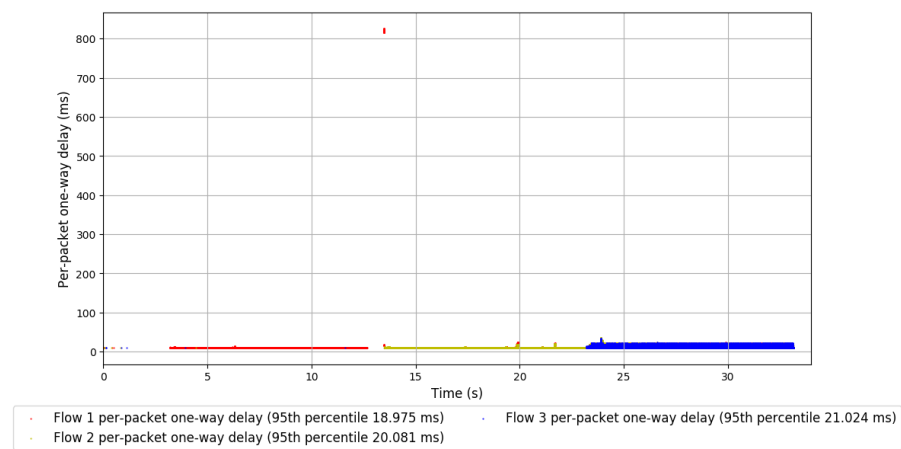
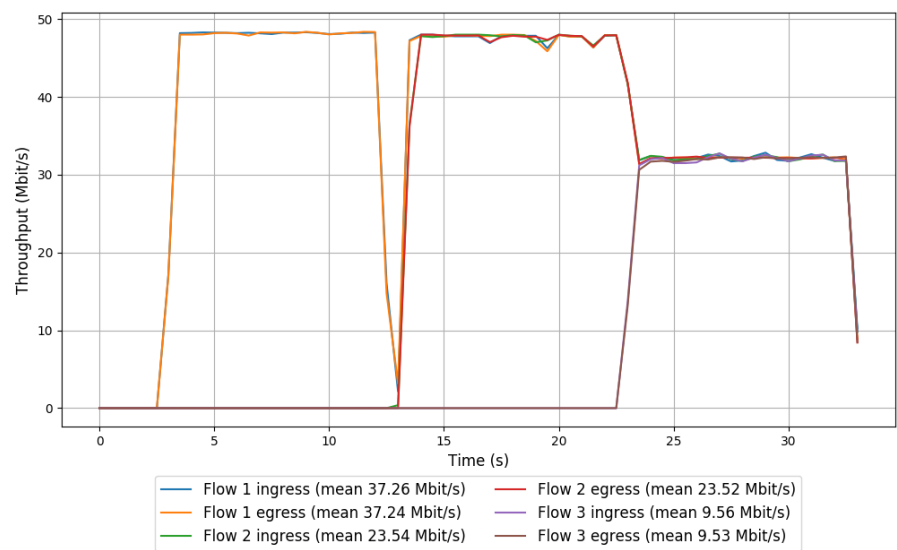
-- Flow 3:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 21.024 ms

Loss rate: 0.35%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 13:32:13 +0000

End at: Sat, 01 Jul 2017 13:32:43 +0000

Local clock offset: 0.667 ms

Remote clock offset: -18.964 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.46 Mbit/s

95th percentile per-packet one-way delay: 19.066 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 37.99 Mbit/s

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

Loss rate: 0.09%

-- Flow 2:

Average throughput: 23.15 Mbit/s

95th percentile per-packet one-way delay: 18.729 ms

Loss rate: 0.18%

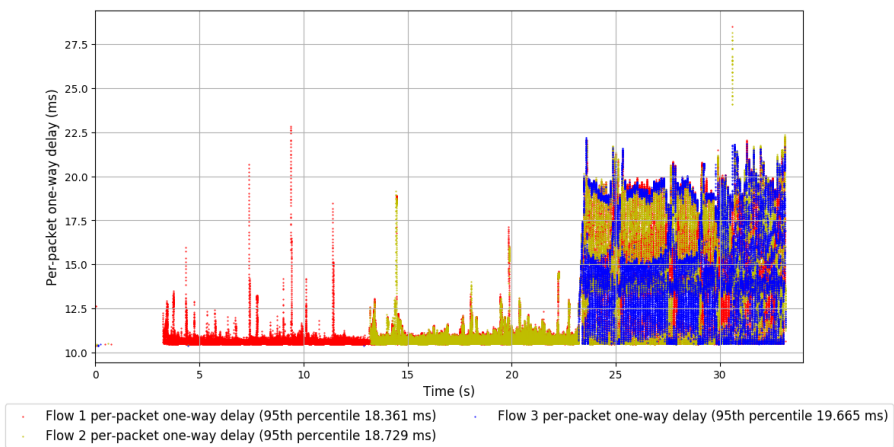
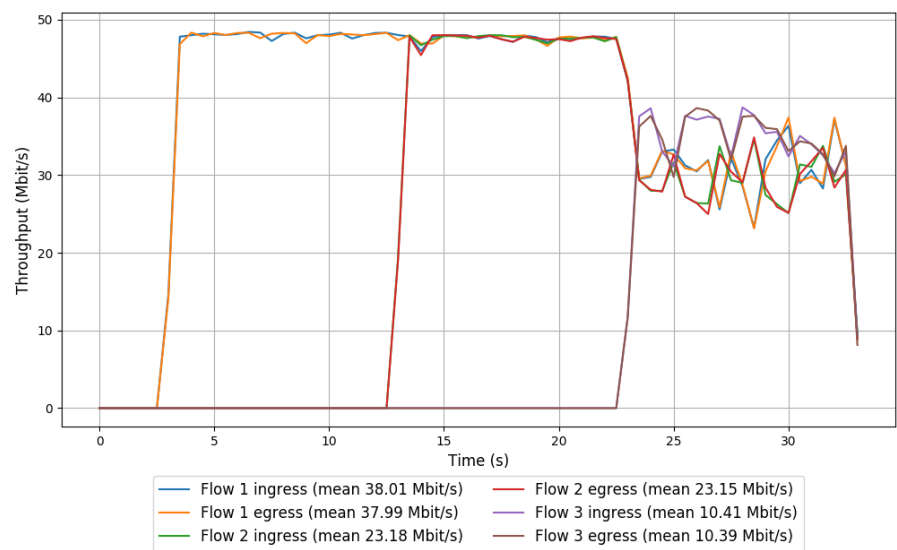
-- Flow 3:

Average throughput: 10.39 Mbit/s

95th percentile per-packet one-way delay: 19.665 ms

Loss rate: 0.22%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 13:50:15 +0000

End at: Sat, 01 Jul 2017 13:50:45 +0000

Local clock offset: 2.377 ms

Remote clock offset: -20.089 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.78 Mbit/s

95th percentile per-packet one-way delay: 20.863 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 38.38 Mbit/s

95th percentile per-packet one-way delay: 19.833 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 23.94 Mbit/s

95th percentile per-packet one-way delay: 20.842 ms

Loss rate: 0.11%

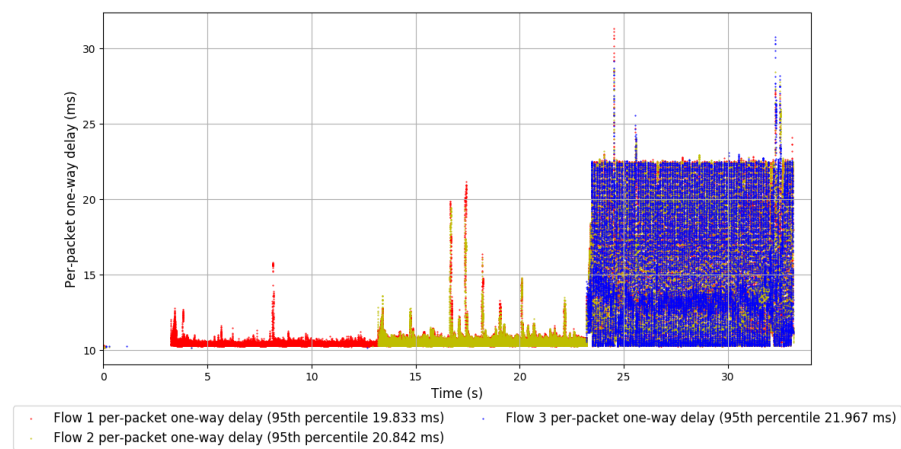
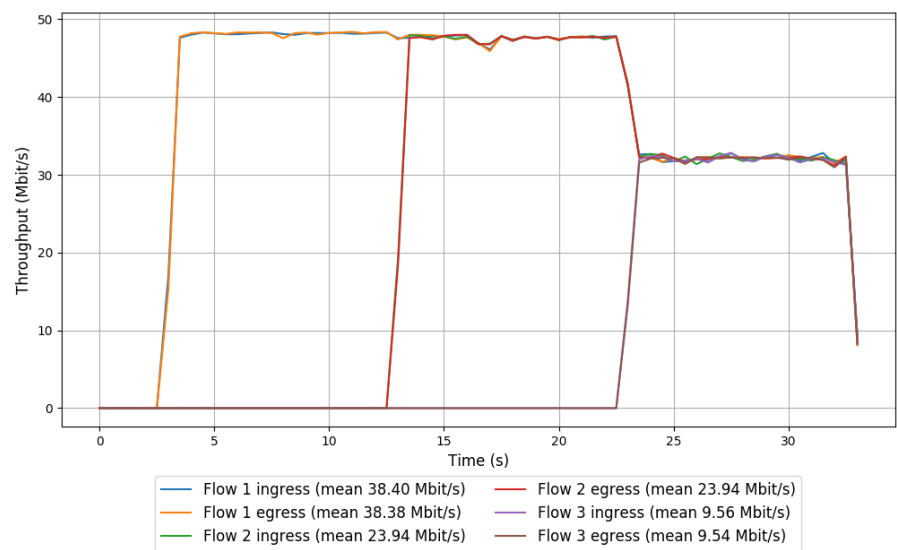
-- Flow 3:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: 21.967 ms

Loss rate: 0.30%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 14:08:31 +0000

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

Local clock offset: 3.131 ms

Remote clock offset: -19.877 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.86 Mbit/s

95th percentile per-packet one-way delay: 21.962 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 38.40 Mbit/s

95th percentile per-packet one-way delay: 20.880 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 21.955 ms

Loss rate: 0.15%

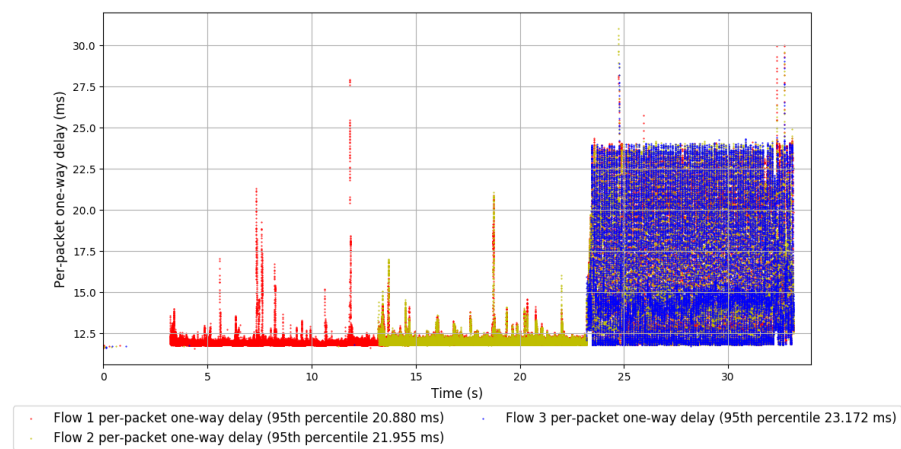
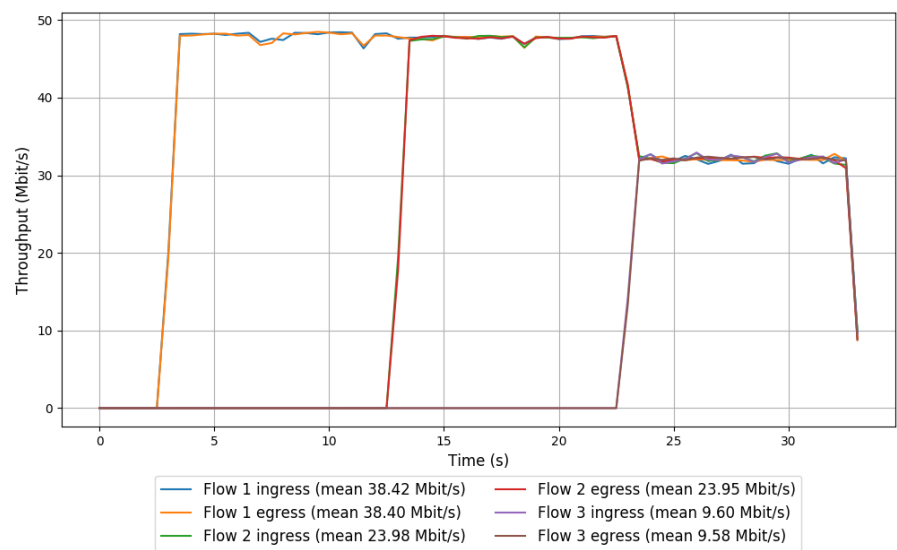
-- Flow 3:

Average throughput: 9.58 Mbit/s

95th percentile per-packet one-way delay: 23.172 ms

Loss rate: 0.29%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 14:26:32 +0000

End at: Sat, 01 Jul 2017 14:27:02 +0000

Local clock offset: 3.585 ms

Remote clock offset: -19.118 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.15 Mbit/s

95th percentile per-packet one-way delay: 22.591 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 35.01 Mbit/s

95th percentile per-packet one-way delay: 22.267 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 22.62 Mbit/s

95th percentile per-packet one-way delay: 24.003 ms

Loss rate: 0.20%

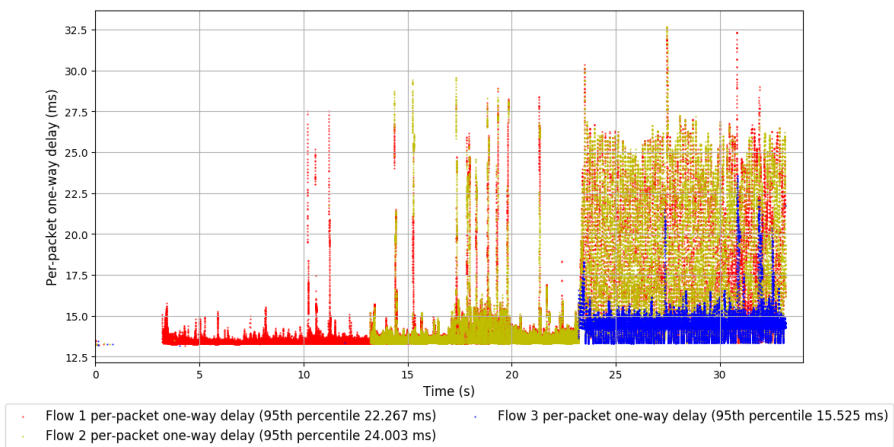
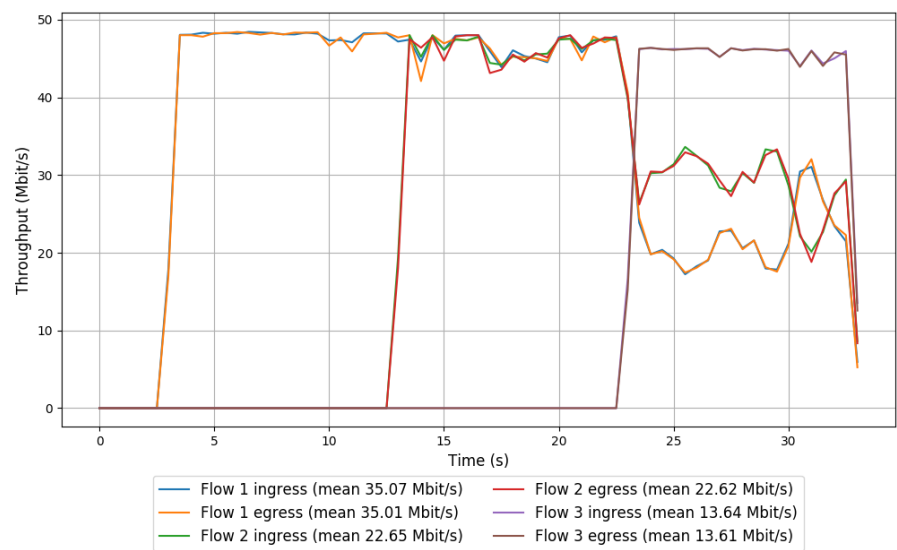
-- Flow 3:

Average throughput: 13.61 Mbit/s

95th percentile per-packet one-way delay: 15.525 ms

Loss rate: 0.26%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 14:45:09 +0000

End at: Sat, 01 Jul 2017 14:45:39 +0000

Local clock offset: 2.112 ms

Remote clock offset: -16.265 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:26:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.36 Mbit/s

95th percentile per-packet one-way delay: 23.340 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 42.17 Mbit/s

95th percentile per-packet one-way delay: 16.307 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 21.23 Mbit/s

95th percentile per-packet one-way delay: 24.270 ms

Loss rate: 0.20%

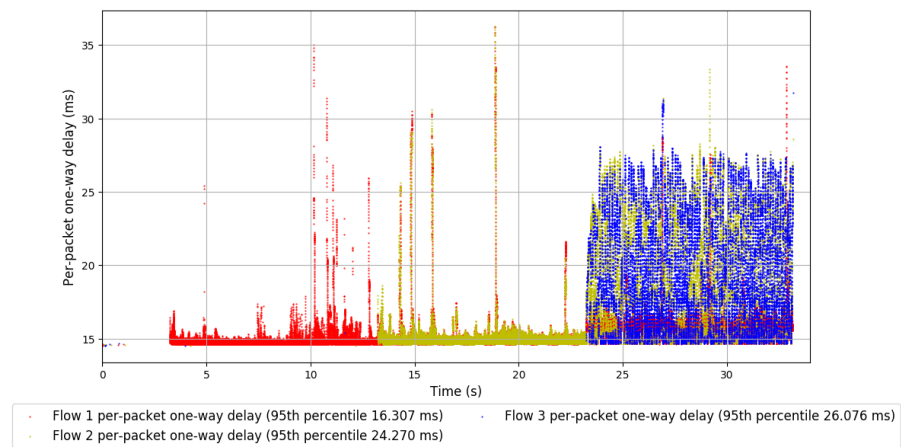
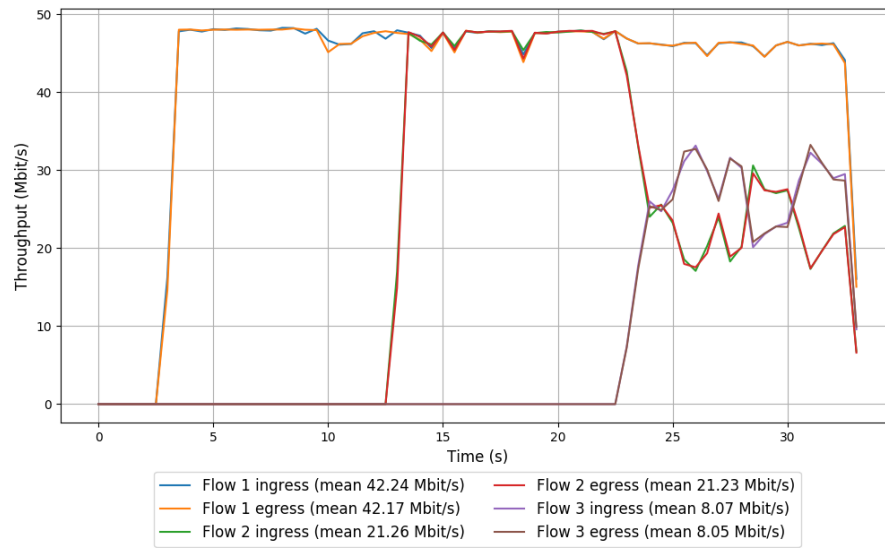
-- Flow 3:

Average throughput: 8.05 Mbit/s

95th percentile per-packet one-way delay: 26.076 ms

Loss rate: 0.28%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 15:03:46 +0000

End at: Sat, 01 Jul 2017 15:04:16 +0000

Local clock offset: -0.932 ms

Remote clock offset: -15.372 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.03 Mbit/s

95th percentile per-packet one-way delay: 24.677 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 38.00 Mbit/s

95th percentile per-packet one-way delay: 23.760 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 23.71 Mbit/s

95th percentile per-packet one-way delay: 24.652 ms

Loss rate: 0.22%

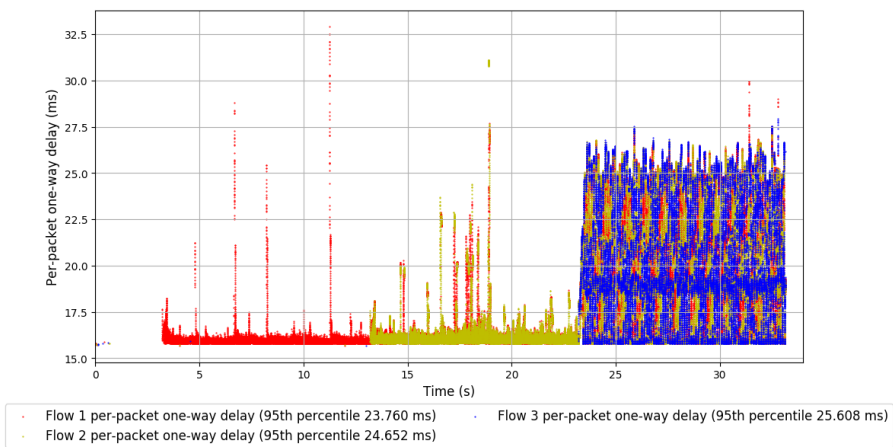
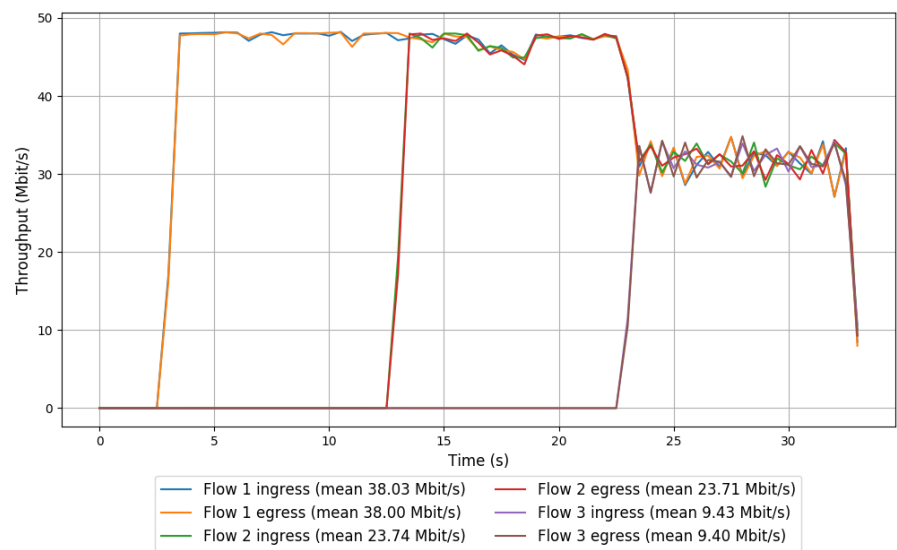
-- Flow 3:

Average throughput: 9.40 Mbit/s

95th percentile per-packet one-way delay: 25.608 ms

Loss rate: 0.38%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 12:21:29 +0000

End at: Sat, 01 Jul 2017 12:21:59 +0000

Local clock offset: -0.225 ms

Remote clock offset: -19.407 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:27:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.52 Mbit/s

95th percentile per-packet one-way delay: 57.437 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 45.15 Mbit/s

95th percentile per-packet one-way delay: 35.315 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 22.24 Mbit/s

95th percentile per-packet one-way delay: 57.569 ms

Loss rate: 0.50%

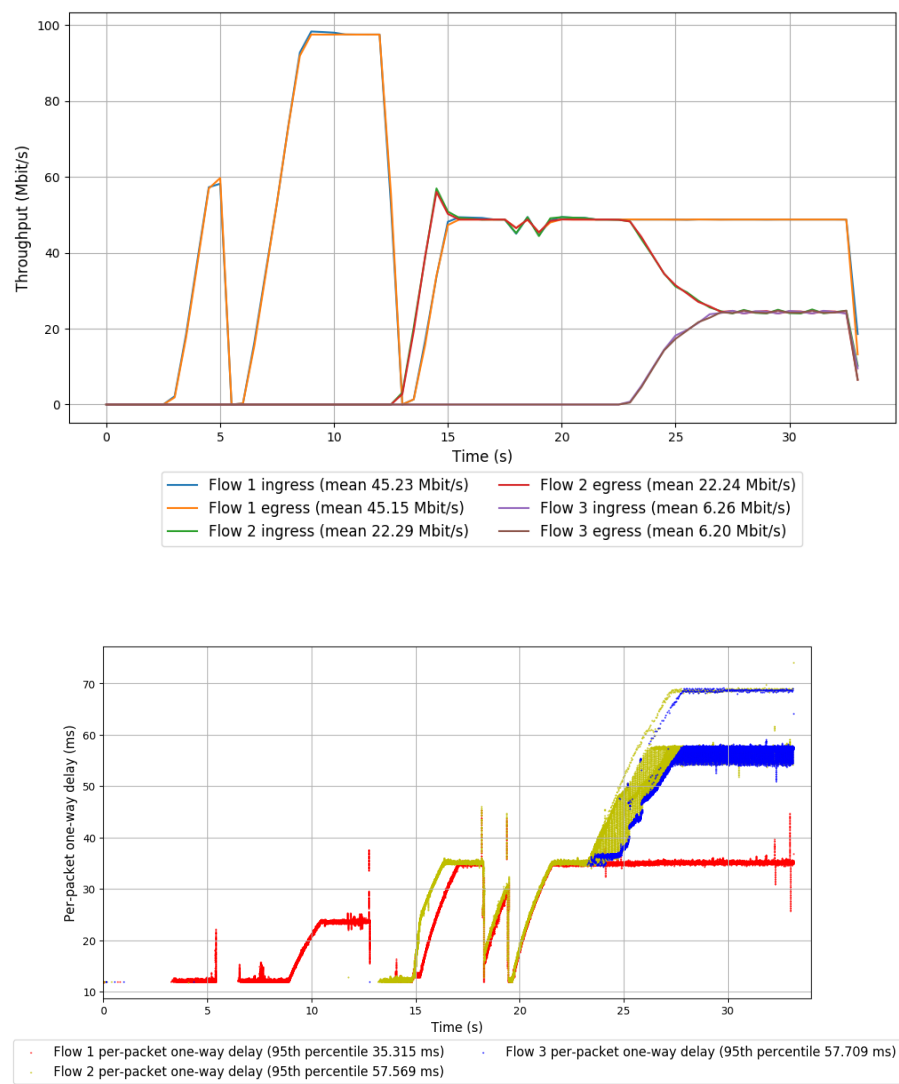
-- Flow 3:

Average throughput: 6.20 Mbit/s

95th percentile per-packet one-way delay: 57.709 ms

Loss rate: 1.29%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 12:39:47 +0000

End at: Sat, 01 Jul 2017 12:40:17 +0000

Local clock offset: 1.796 ms

Remote clock offset: -20.159 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:27:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.40 Mbit/s

95th percentile per-packet one-way delay: 56.720 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 44.61 Mbit/s

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

Loss rate: 0.16%

-- Flow 2:

Average throughput: 19.29 Mbit/s

95th percentile per-packet one-way delay: 56.808 ms

Loss rate: 0.28%

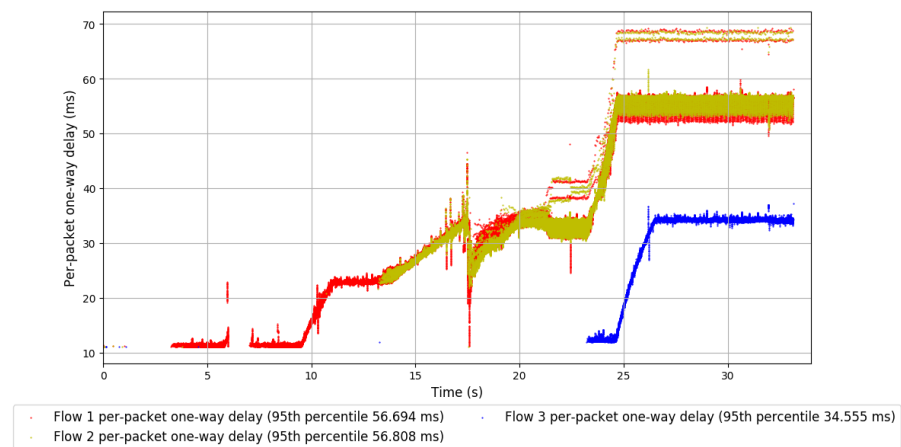
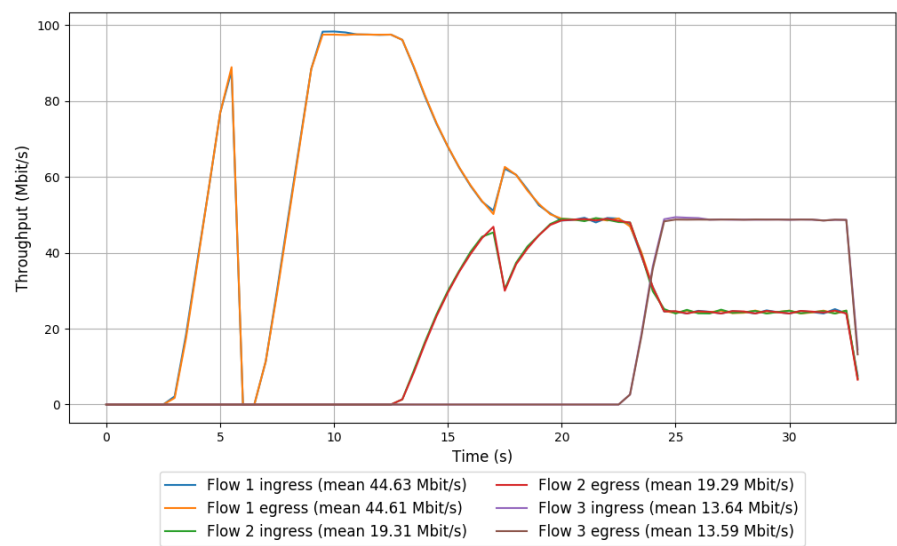
-- Flow 3:

Average throughput: 13.59 Mbit/s

95th percentile per-packet one-way delay: 34.555 ms

Loss rate: 0.51%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 12:58:20 +0000

End at: Sat, 01 Jul 2017 12:58:50 +0000

Local clock offset: 3.427 ms

Remote clock offset: -19.615 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:27:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.13 Mbit/s

95th percentile per-packet one-way delay: 55.429 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 54.87 Mbit/s

95th percentile per-packet one-way delay: 33.428 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 22.23 Mbit/s

95th percentile per-packet one-way delay: 55.618 ms

Loss rate: 0.24%

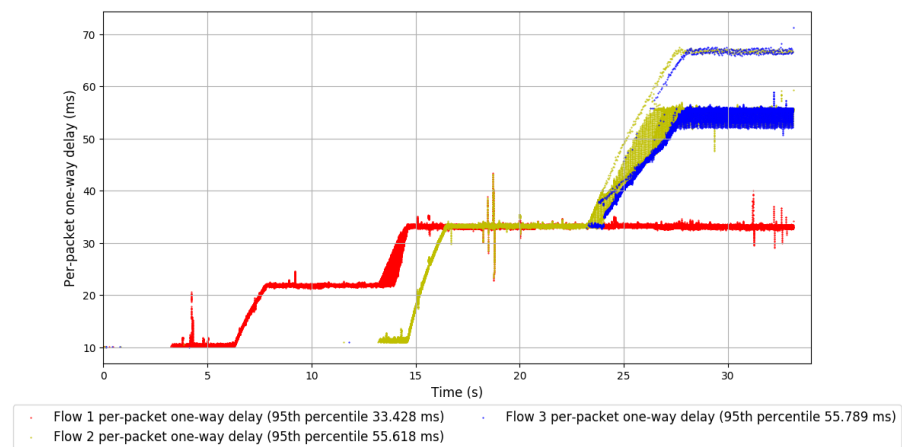
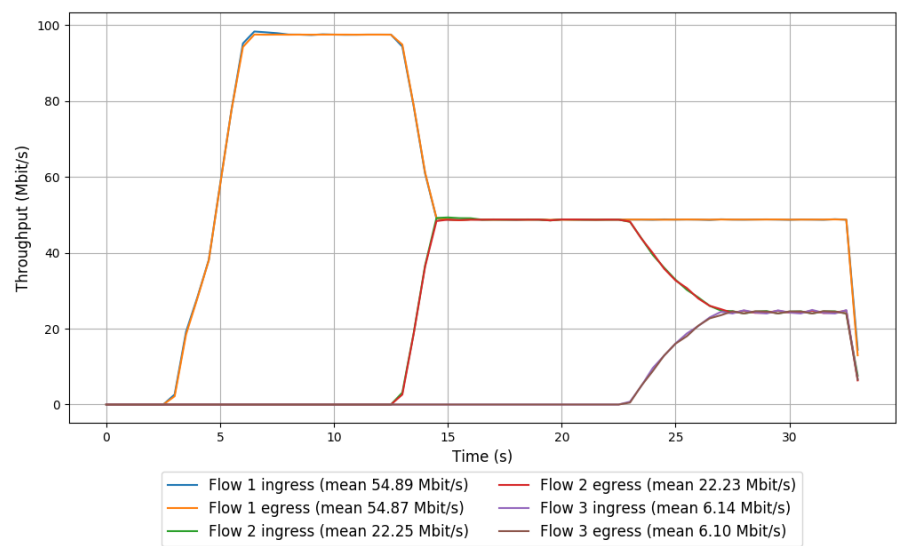
-- Flow 3:

Average throughput: 6.10 Mbit/s

95th percentile per-packet one-way delay: 55.789 ms

Loss rate: 0.81%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 13:16:21 +0000

End at: Sat, 01 Jul 2017 13:16:51 +0000

Local clock offset: 0.045 ms

Remote clock offset: -25.145 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:27:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.87 Mbit/s

95th percentile per-packet one-way delay: 43.983 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 51.21 Mbit/s

95th percentile per-packet one-way delay: 43.826 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 23.45 Mbit/s

95th percentile per-packet one-way delay: 44.024 ms

Loss rate: 0.34%

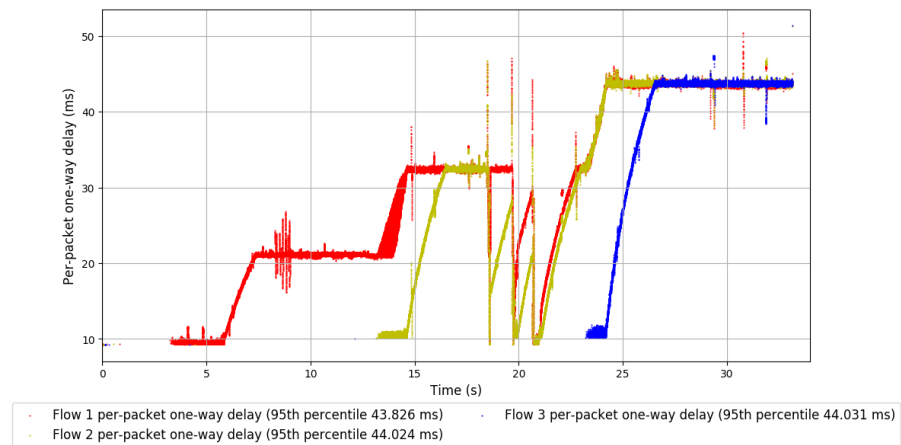
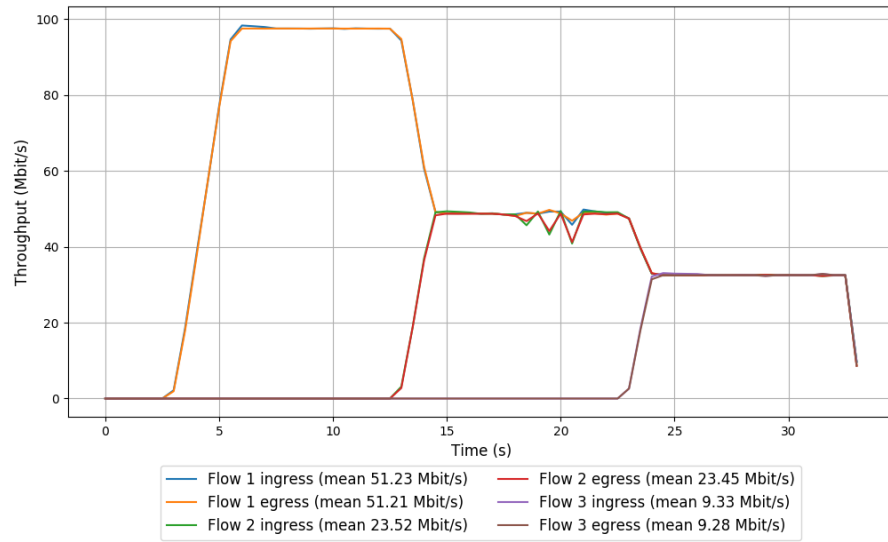
-- Flow 3:

Average throughput: 9.28 Mbit/s

95th percentile per-packet one-way delay: 44.031 ms

Loss rate: 0.63%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

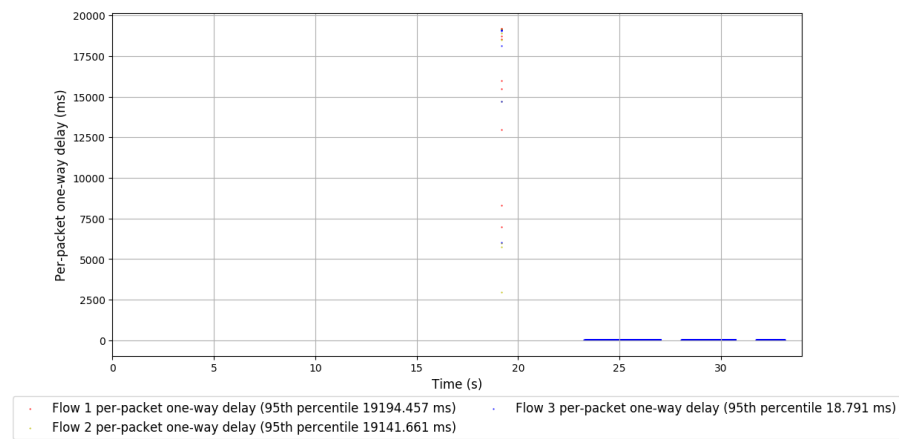
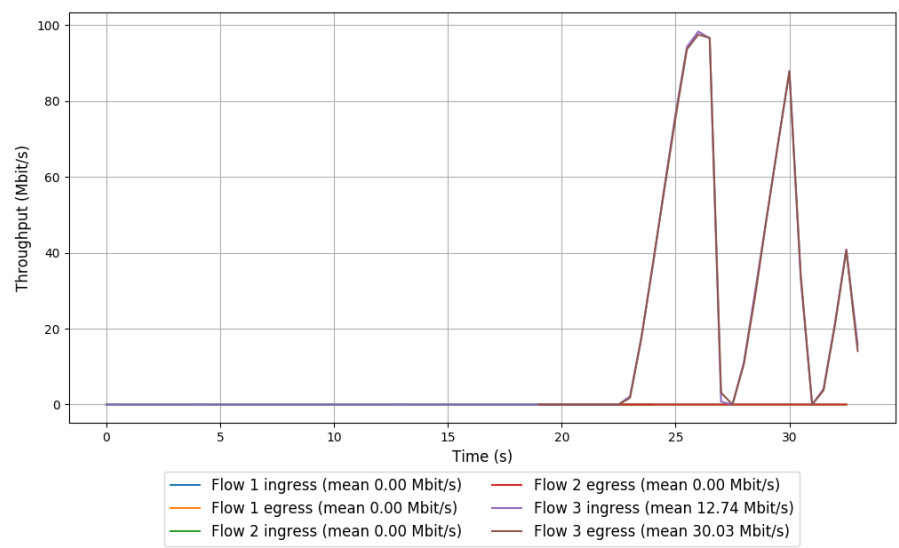
Start at: Sat, 01 Jul 2017 13:34:32 +0000

End at: Sat, 01 Jul 2017 13:35:02 +0000

Local clock offset: 3.759 ms

Remote clock offset: -20.071 ms

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 13:52:35 +0000

End at: Sat, 01 Jul 2017 13:53:05 +0000

Local clock offset: 3.868 ms

Remote clock offset: -20.348 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:27:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.01 Mbit/s

95th percentile per-packet one-way delay: 56.030 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 38.64 Mbit/s

95th percentile per-packet one-way delay: 33.792 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 22.37 Mbit/s

95th percentile per-packet one-way delay: 56.121 ms

Loss rate: 0.27%

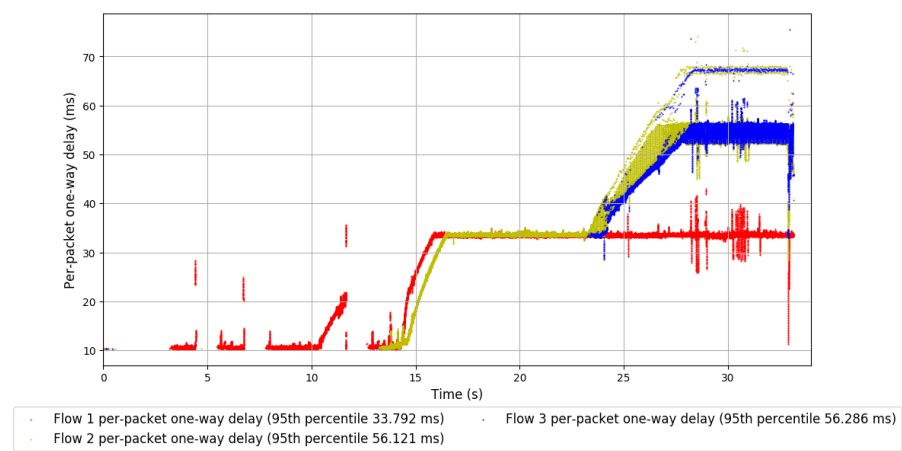
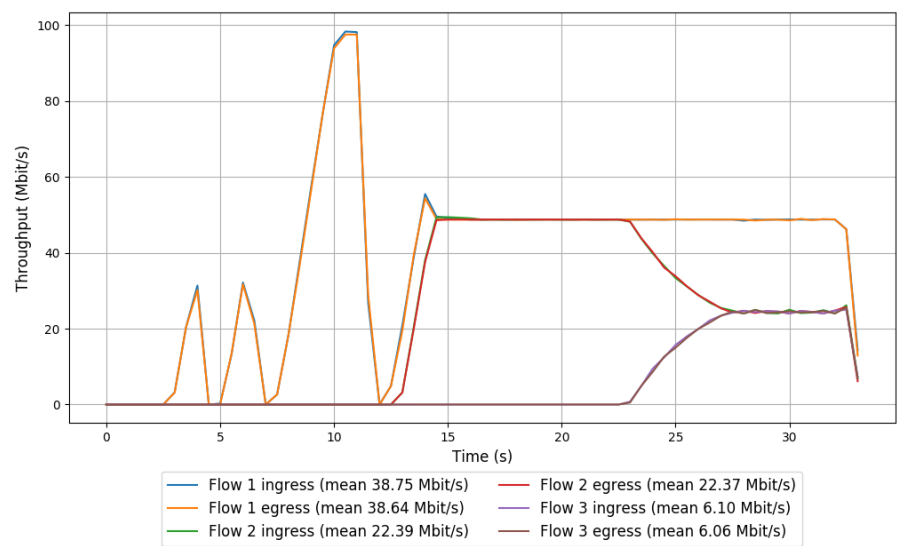
-- Flow 3:

Average throughput: 6.06 Mbit/s

95th percentile per-packet one-way delay: 56.286 ms

Loss rate: 0.70%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

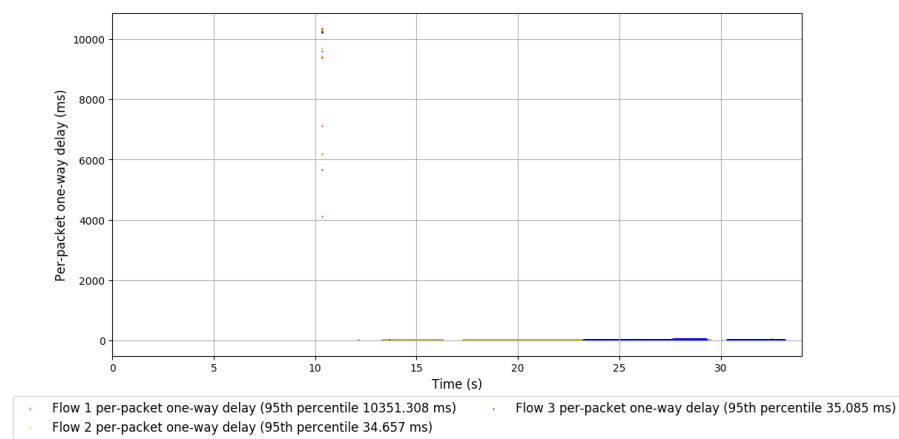
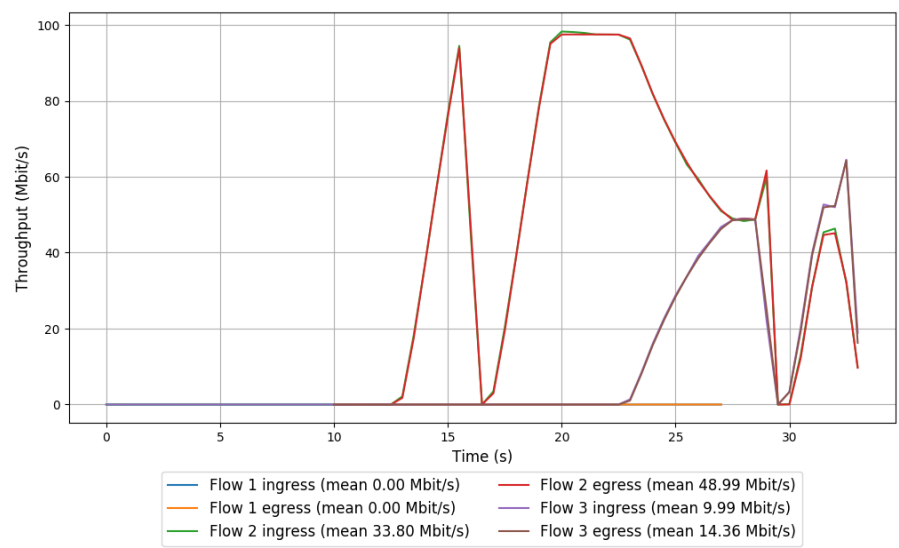
Start at: Sat, 01 Jul 2017 14:10:50 +0000

End at: Sat, 01 Jul 2017 14:11:20 +0000

Local clock offset: 2.815 ms

Remote clock offset: -19.199 ms

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 14:28:54 +0000

End at: Sat, 01 Jul 2017 14:29:24 +0000

Local clock offset: 3.469 ms

Remote clock offset: -15.961 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:27:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.45 Mbit/s

95th percentile per-packet one-way delay: 58.724 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 46.70 Mbit/s

95th percentile per-packet one-way delay: 36.694 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 19.32 Mbit/s

95th percentile per-packet one-way delay: 58.946 ms

Loss rate: 0.44%

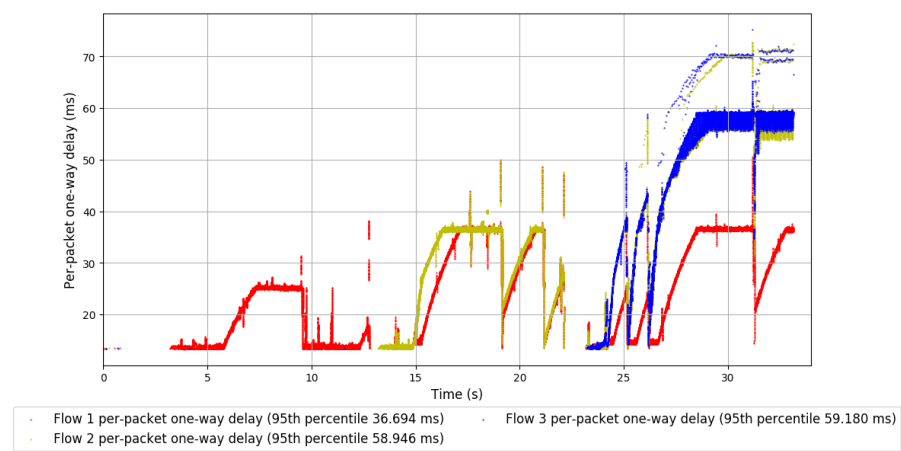
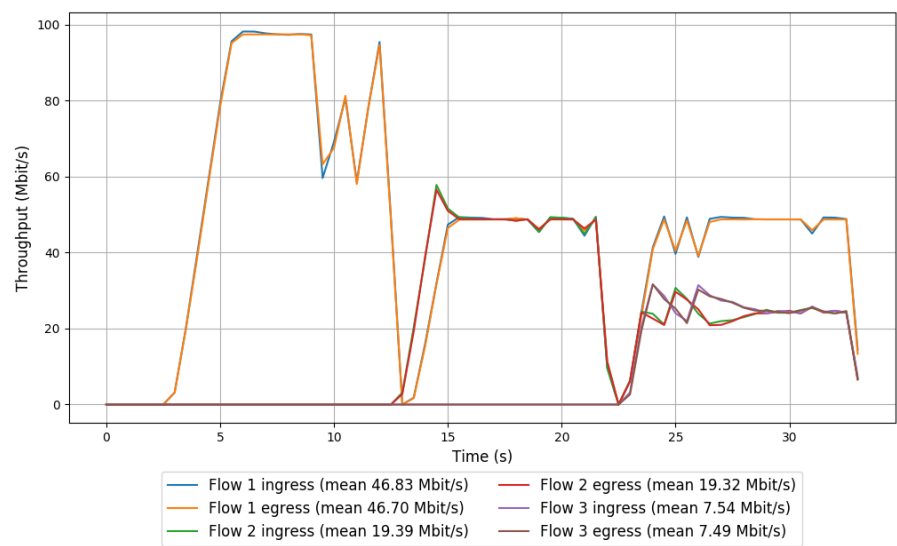
-- Flow 3:

Average throughput: 7.49 Mbit/s

95th percentile per-packet one-way delay: 59.180 ms

Loss rate: 0.76%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 14:47:31 +0000

End at: Sat, 01 Jul 2017 14:48:01 +0000

Local clock offset: 2.899 ms

Remote clock offset: -17.012 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:27:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.39 Mbit/s

95th percentile per-packet one-way delay: 60.419 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 52.19 Mbit/s

95th percentile per-packet one-way delay: 38.184 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 19.33 Mbit/s

95th percentile per-packet one-way delay: 60.552 ms

Loss rate: 0.38%

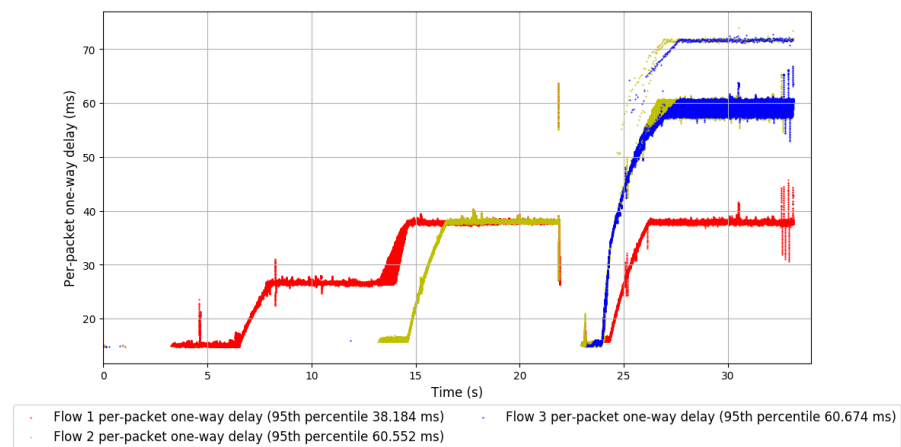
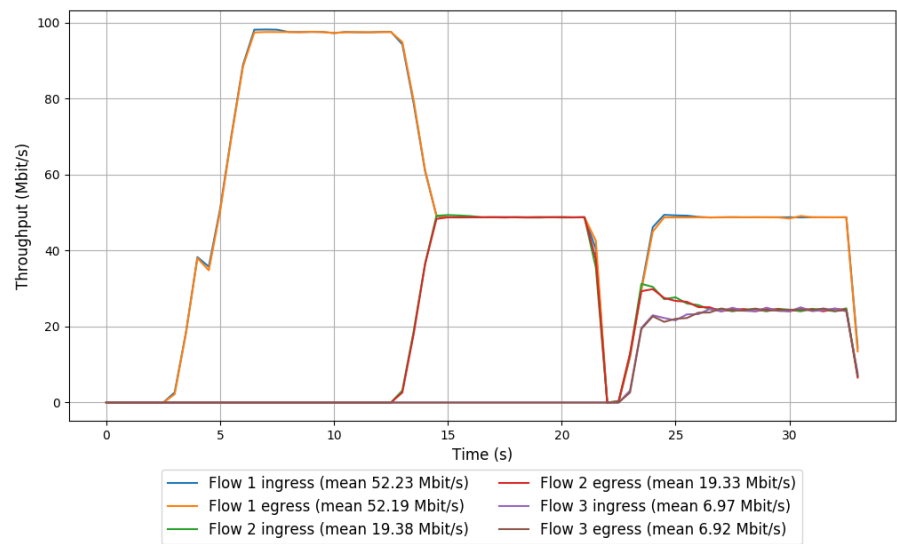
-- Flow 3:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 60.674 ms

Loss rate: 0.76%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 15:06:09 +0000

End at: Sat, 01 Jul 2017 15:06:39 +0000

Local clock offset: 2.06 ms

Remote clock offset: -15.601 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:27:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.20 Mbit/s

95th percentile per-packet one-way delay: 50.457 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 35.82 Mbit/s

95th percentile per-packet one-way delay: 50.391 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 21.16 Mbit/s

95th percentile per-packet one-way delay: 50.478 ms

Loss rate: 0.29%

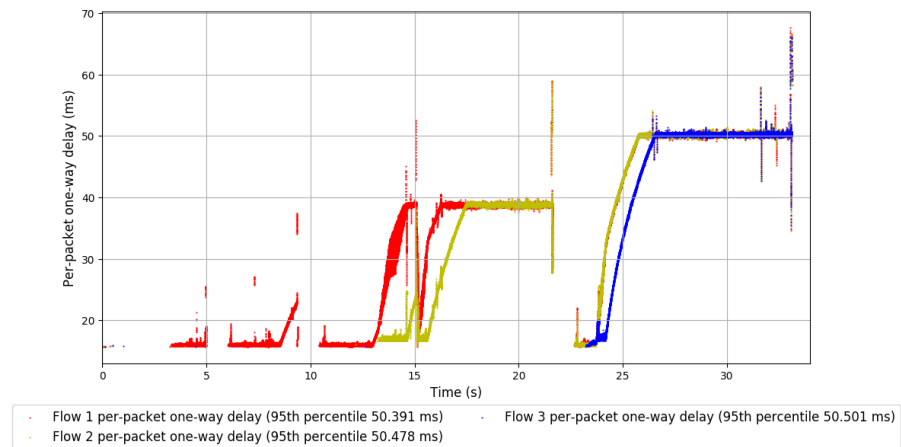
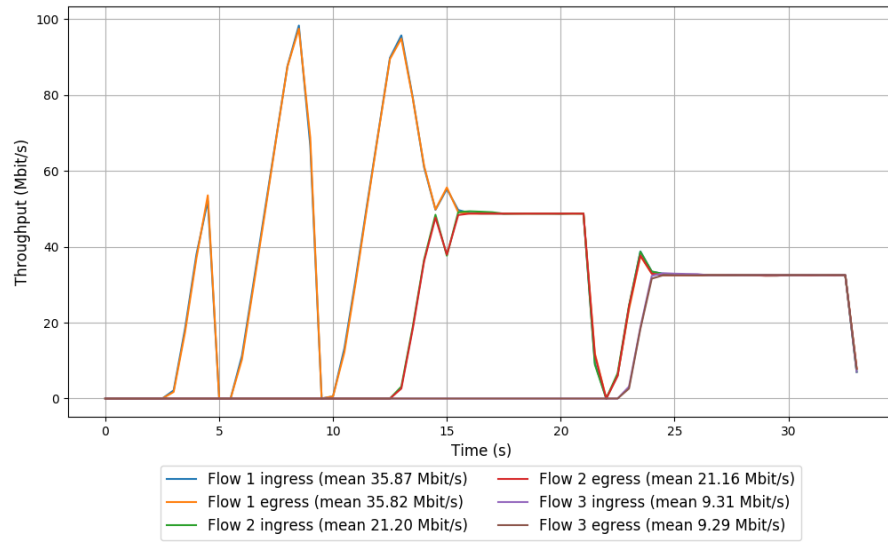
-- Flow 3:

Average throughput: 9.29 Mbit/s

95th percentile per-packet one-way delay: 50.501 ms

Loss rate: 0.40%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

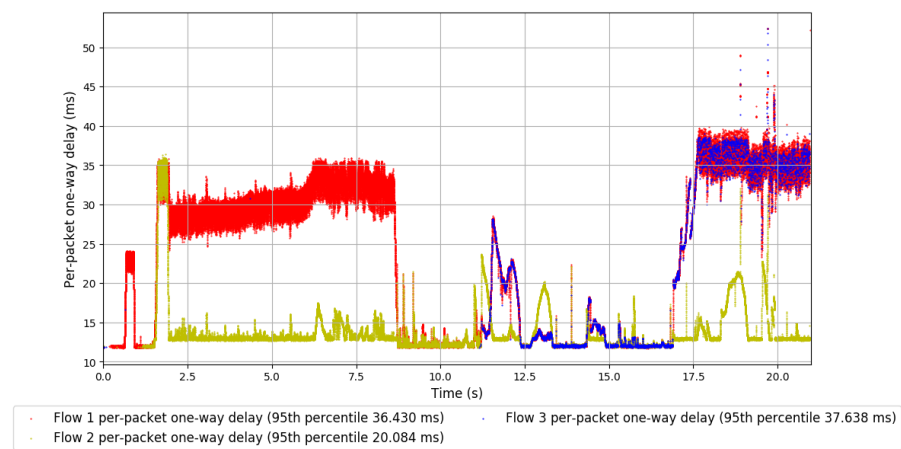
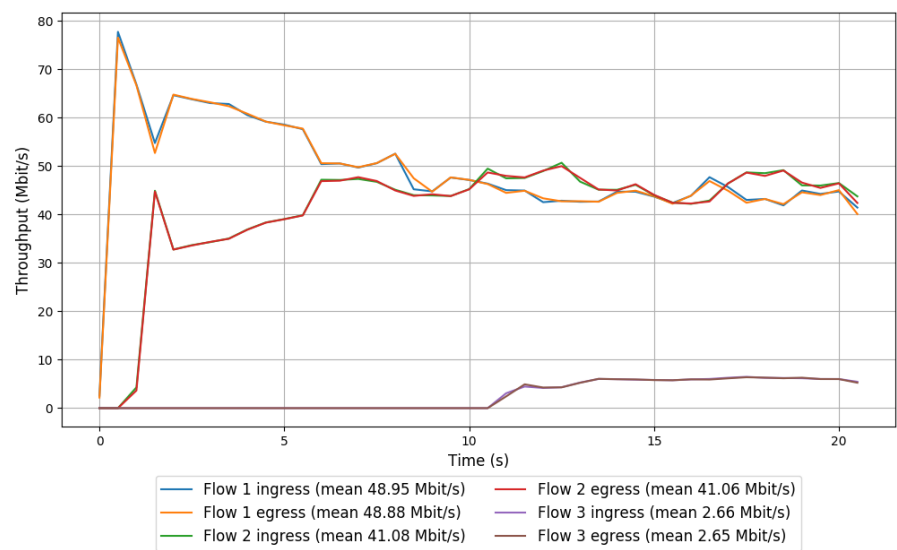
Start at: Sat, 01 Jul 2017 12:22:42 +0000

End at: Sat, 01 Jul 2017 12:23:12 +0000

Local clock offset: -3.302 ms

Remote clock offset: -14.415 ms

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sat, 01 Jul 2017 12:41:04 +0000

End at: Sat, 01 Jul 2017 12:41:34 +0000

Local clock offset: 2.403 ms

Remote clock offset: -20.358 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.42 Mbit/s

95th percentile per-packet one-way delay: 33.835 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 54.56 Mbit/s

95th percentile per-packet one-way delay: 33.607 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 34.79 Mbit/s

95th percentile per-packet one-way delay: 34.867 ms

Loss rate: 0.21%

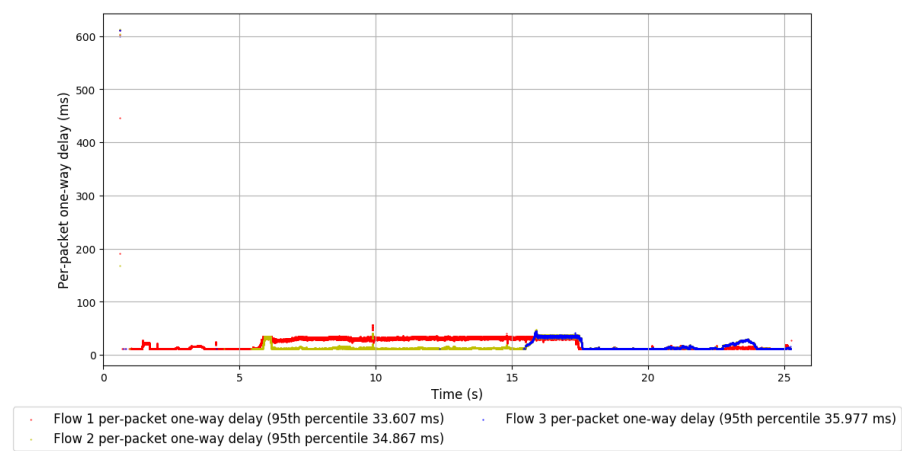
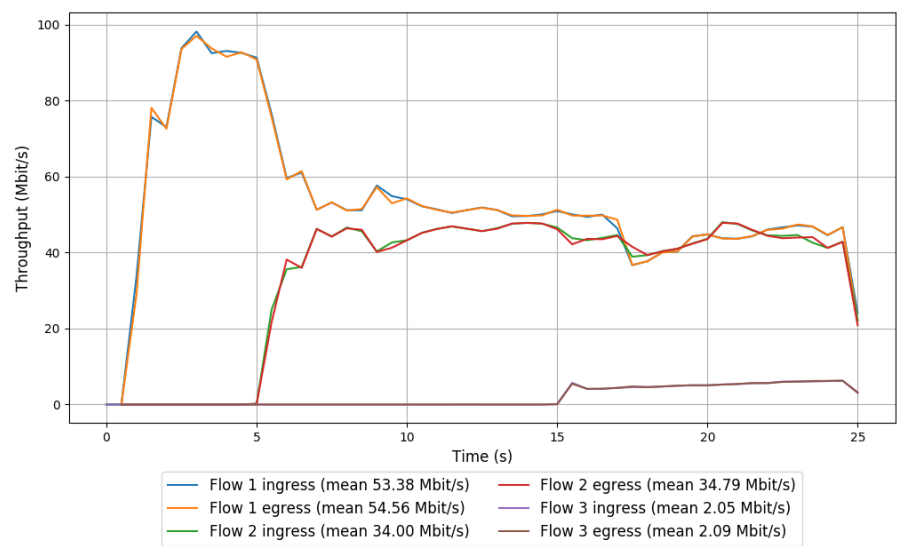
-- Flow 3:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 35.977 ms

Loss rate: 0.30%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sat, 01 Jul 2017 12:59:35 +0000

End at: Sat, 01 Jul 2017 13:00:05 +0000

Local clock offset: 0.518 ms

Remote clock offset: -19.451 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.61 Mbit/s

95th percentile per-packet one-way delay: 21.973 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 7061.414 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 67.74 Mbit/s

95th percentile per-packet one-way delay: 21.954 ms

Loss rate: 0.33%

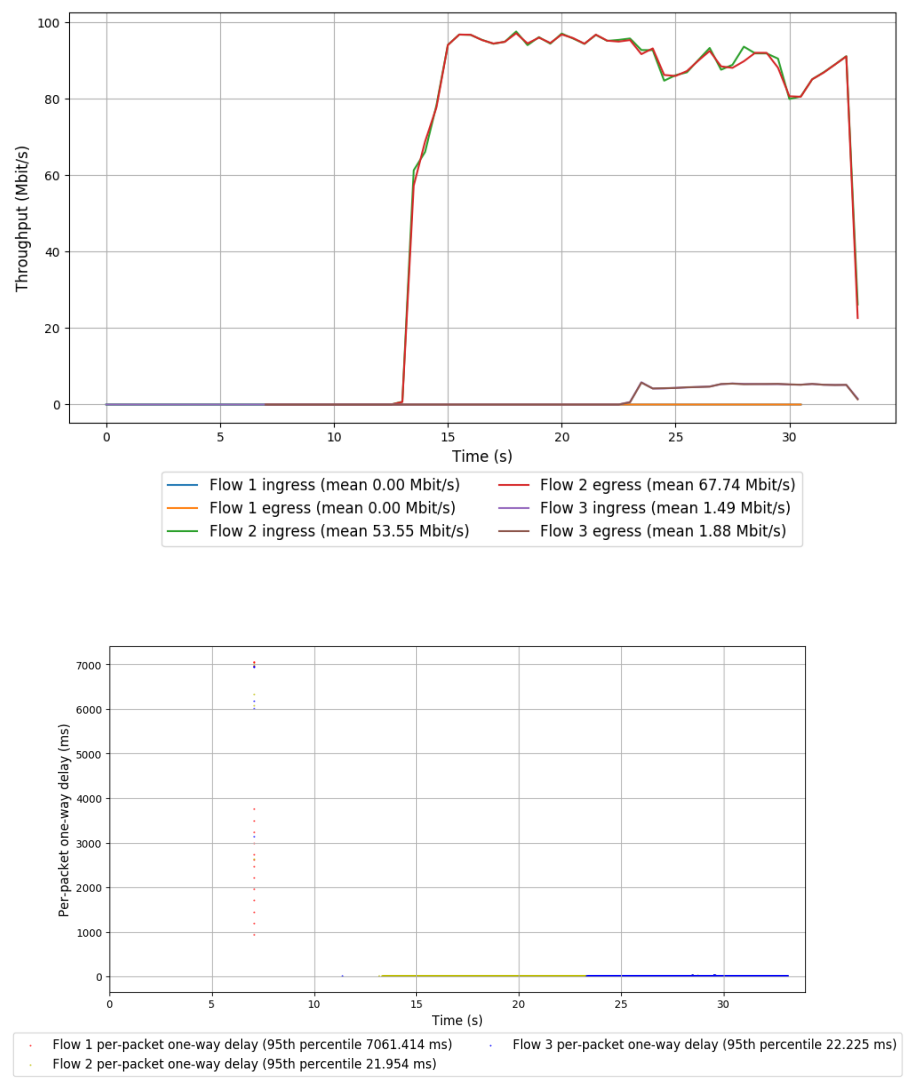
-- Flow 3:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 22.225 ms

Loss rate: 0.30%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

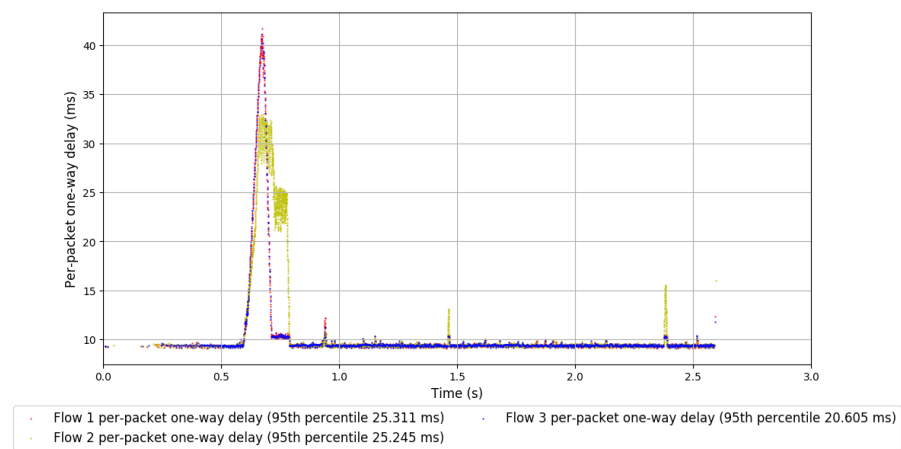
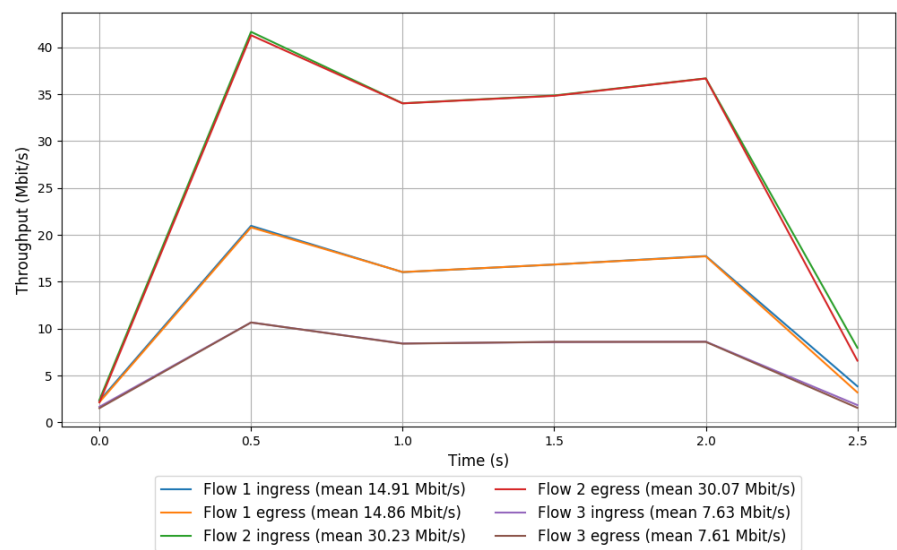
Start at: Sat, 01 Jul 2017 13:17:39 +0000

End at: Sat, 01 Jul 2017 13:18:09 +0000

Local clock offset: -7.123 ms

Remote clock offset: -33.84 ms

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sat, 01 Jul 2017 13:35:40 +0000

End at: Sat, 01 Jul 2017 13:36:10 +0000

Local clock offset: 4.326 ms

Remote clock offset: -19.13 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.31 Mbit/s

95th percentile per-packet one-way delay: 32.193 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 64.11 Mbit/s

95th percentile per-packet one-way delay: 32.048 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 14.30 Mbit/s

95th percentile per-packet one-way delay: 36.158 ms

Loss rate: 0.18%

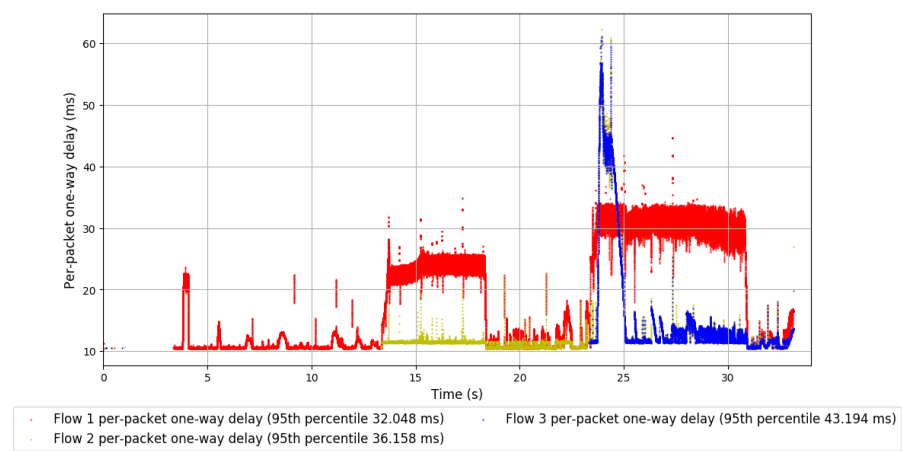
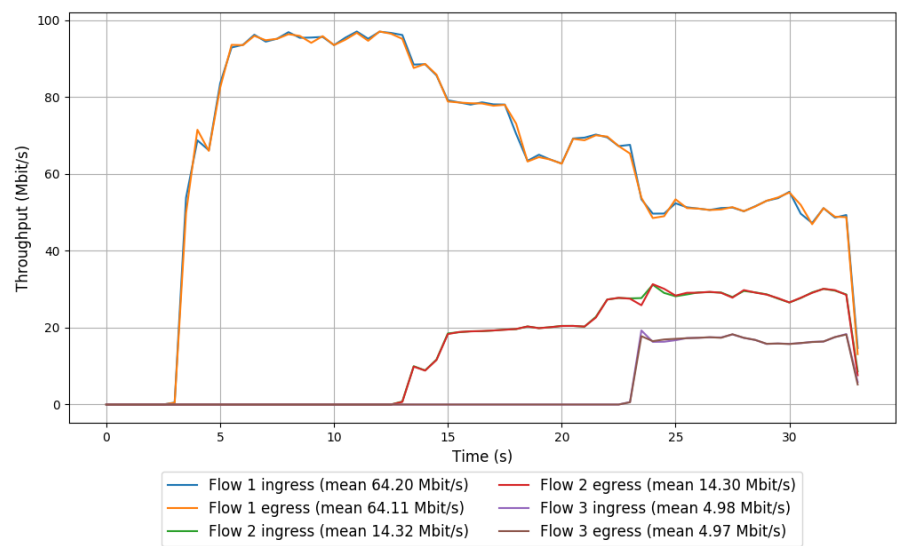
-- Flow 3:

Average throughput: 4.97 Mbit/s

95th percentile per-packet one-way delay: 43.194 ms

Loss rate: 0.35%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

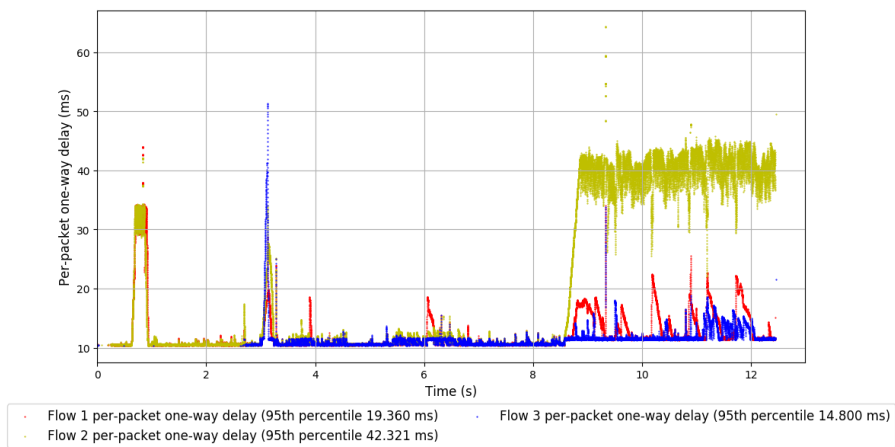
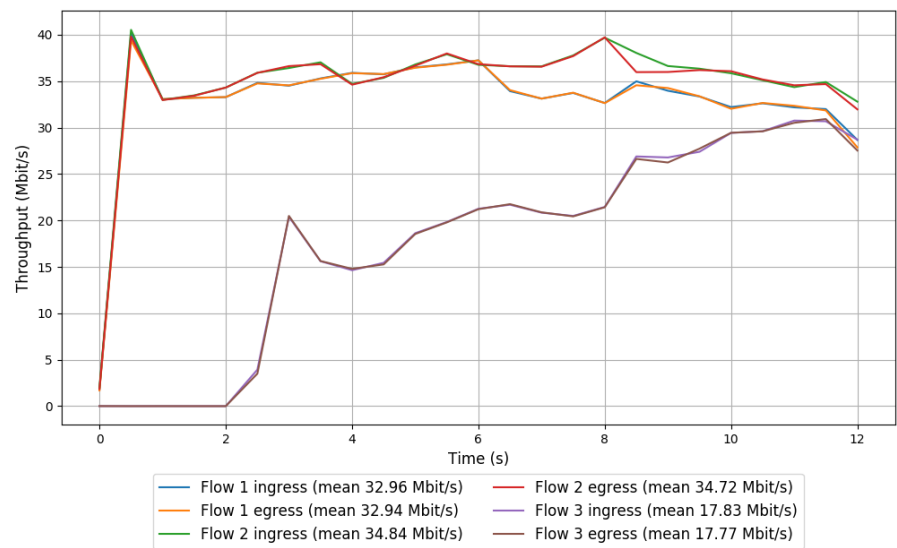
Start at: Sat, 01 Jul 2017 13:53:51 +0000

End at: Sat, 01 Jul 2017 13:54:21 +0000

Local clock offset: 2.324 ms

Remote clock offset: -19.742 ms

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sat, 01 Jul 2017 14:12:00 +0000

End at: Sat, 01 Jul 2017 14:12:30 +0000

Local clock offset: 1.183 ms

Remote clock offset: -18.794 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.37 Mbit/s

95th percentile per-packet one-way delay: 45.180 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 51.47 Mbit/s

95th percentile per-packet one-way delay: 45.016 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 22.16 Mbit/s

95th percentile per-packet one-way delay: 45.671 ms

Loss rate: 0.36%

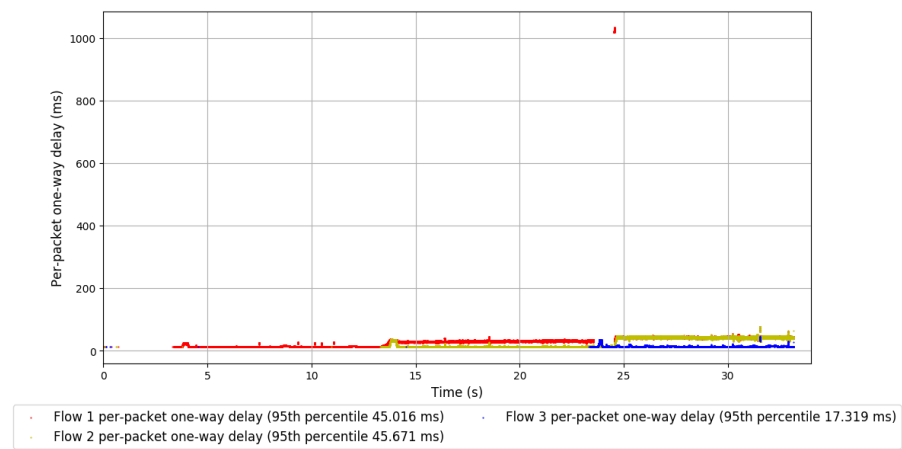
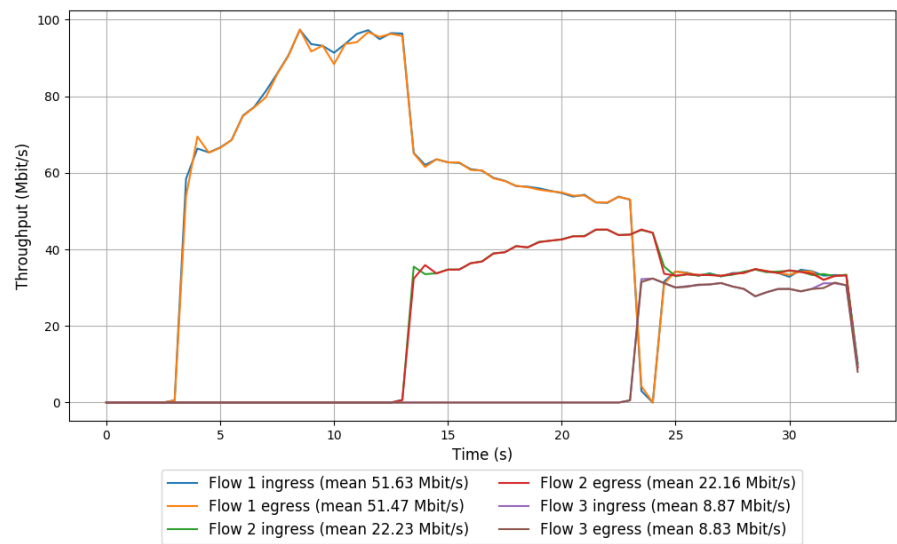
-- Flow 3:

Average throughput: 8.83 Mbit/s

95th percentile per-packet one-way delay: 17.319 ms

Loss rate: 0.51%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sat, 01 Jul 2017 14:30:09 +0000

End at: Sat, 01 Jul 2017 14:30:39 +0000

Local clock offset: 3.906 ms

Remote clock offset: -17.706 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.06 Mbit/s

95th percentile per-packet one-way delay: 46.255 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 52.54 Mbit/s

95th percentile per-packet one-way delay: 45.960 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 28.63 Mbit/s

95th percentile per-packet one-way delay: 46.922 ms

Loss rate: 0.31%

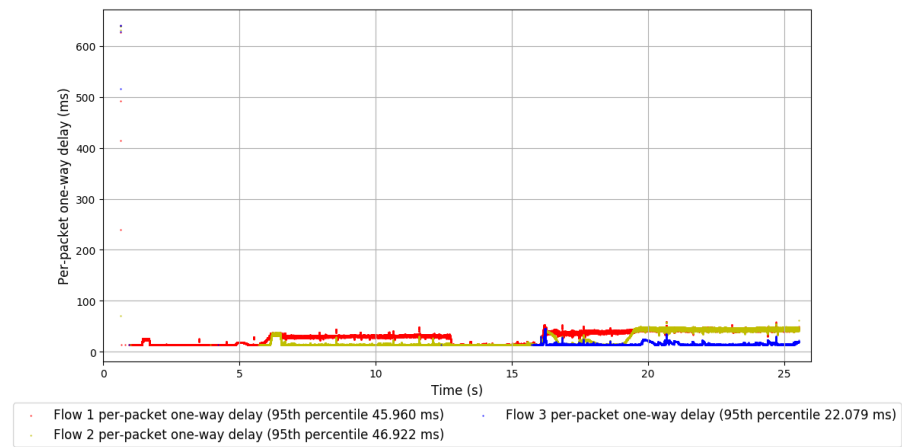
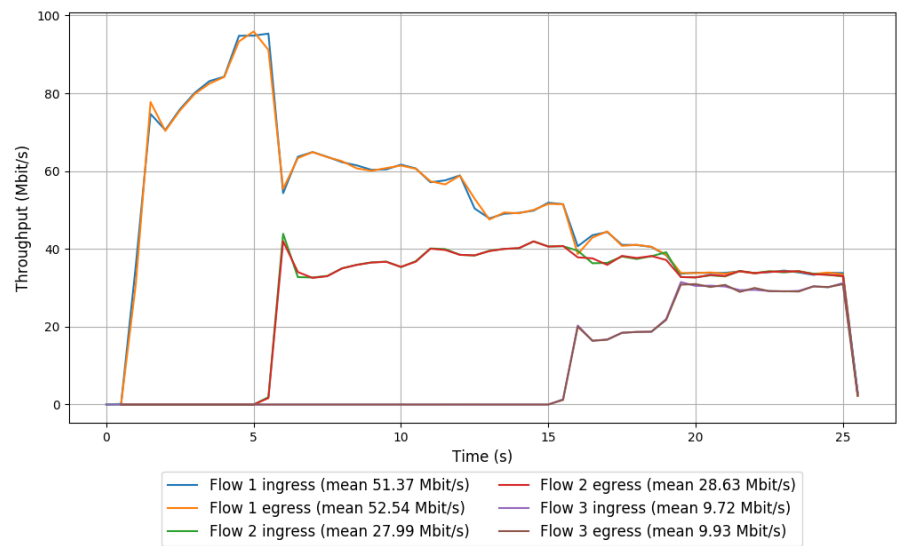
-- Flow 3:

Average throughput: 9.93 Mbit/s

95th percentile per-packet one-way delay: 22.079 ms

Loss rate: 0.44%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sat, 01 Jul 2017 14:48:48 +0000

End at: Sat, 01 Jul 2017 14:49:18 +0000

Local clock offset: 2.117 ms

Remote clock offset: -17.993 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.90 Mbit/s

95th percentile per-packet one-way delay: 45.528 ms

Loss rate: 15.12%

-- Flow 1:

Average throughput: 53.98 Mbit/s

95th percentile per-packet one-way delay: 44.807 ms

Loss rate: 9.08%

-- Flow 2:

Average throughput: 23.24 Mbit/s

95th percentile per-packet one-way delay: 47.203 ms

Loss rate: 18.20%

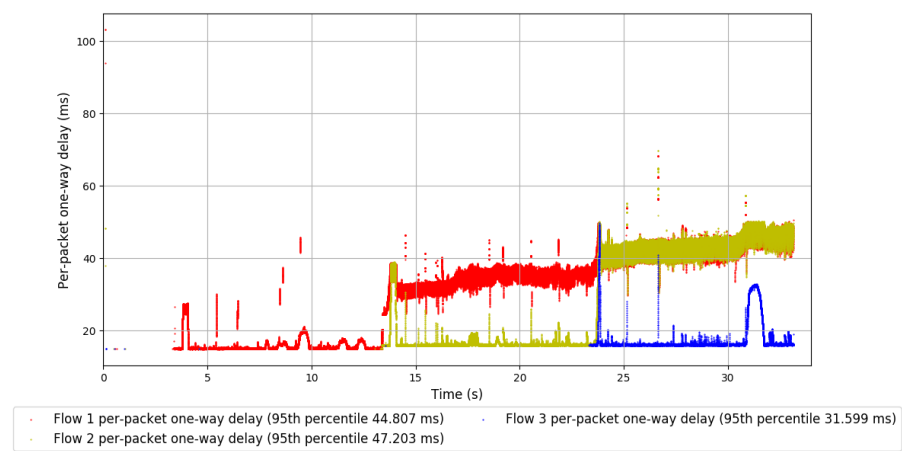
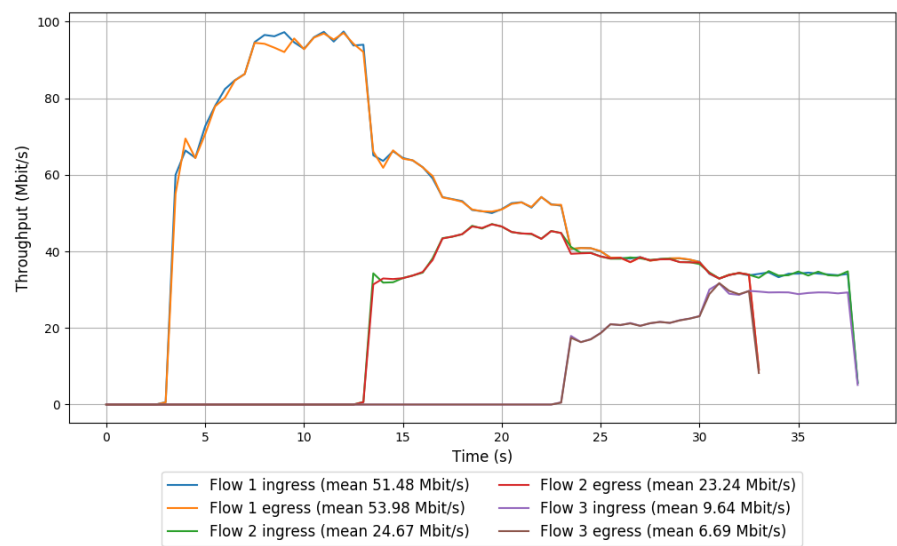
-- Flow 3:

Average throughput: 6.69 Mbit/s

95th percentile per-packet one-way delay: 31.599 ms

Loss rate: 39.64%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

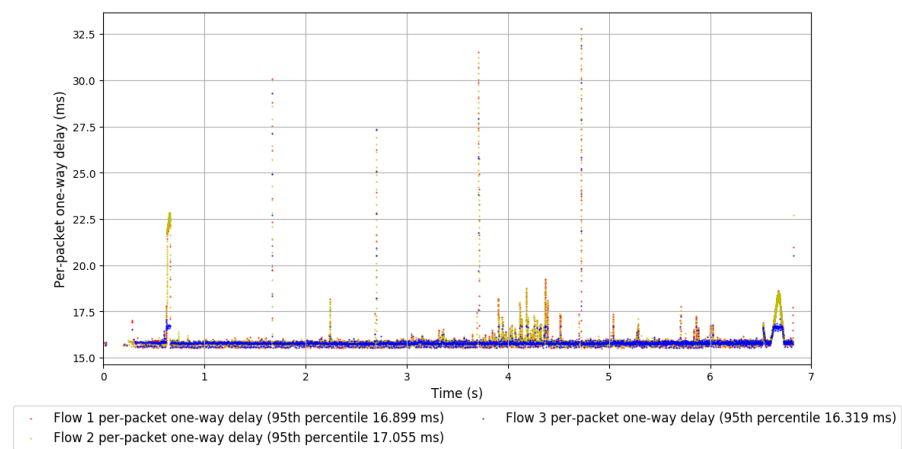
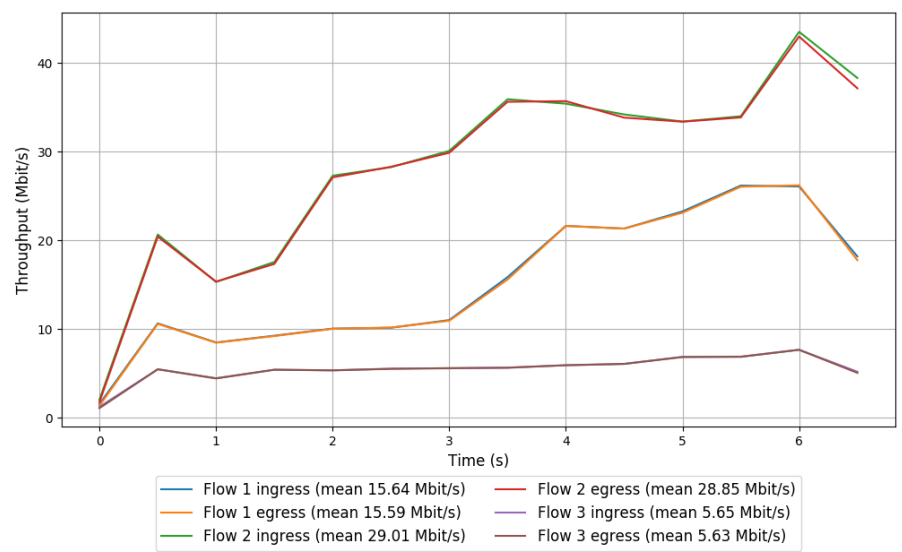
Start at: Sat, 01 Jul 2017 15:07:25 +0000

End at: Sat, 01 Jul 2017 15:07:55 +0000

Local clock offset: -1.259 ms

Remote clock offset: -16.034 ms

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 12:23:52 +0000

End at: Sat, 01 Jul 2017 12:24:22 +0000

Local clock offset: 0.158 ms

Remote clock offset: -14.561 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.63 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.93 Mbit/s

95th percentile per-packet one-way delay: 23.339 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.58 Mbit/s

95th percentile per-packet one-way delay: 23.230 ms

Loss rate: 0.00%

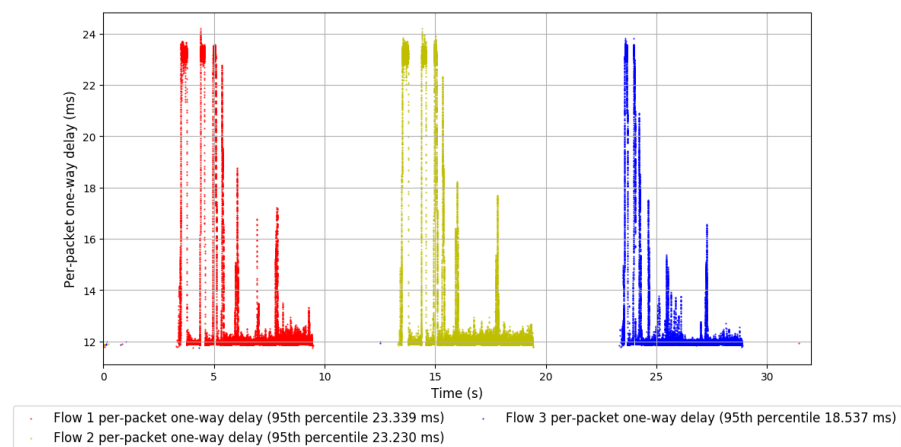
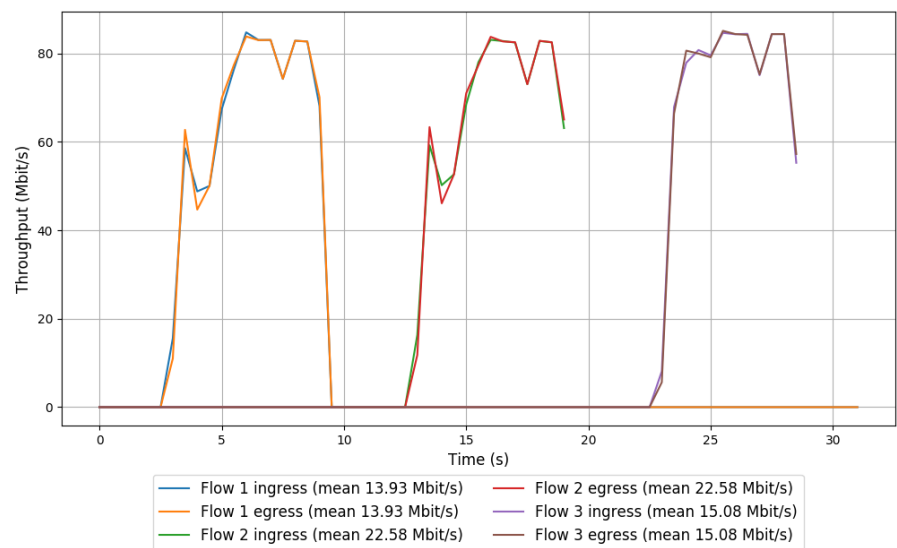
-- Flow 3:

Average throughput: 15.08 Mbit/s

95th percentile per-packet one-way delay: 18.537 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 12:42:16 +0000

End at: Sat, 01 Jul 2017 12:42:46 +0000

Local clock offset: 3.203 ms

Remote clock offset: -20.116 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.89 Mbit/s

95th percentile per-packet one-way delay: 21.838 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 14.72 Mbit/s

95th percentile per-packet one-way delay: 22.525 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 23.05 Mbit/s

95th percentile per-packet one-way delay: 16.801 ms

Loss rate: 0.00%

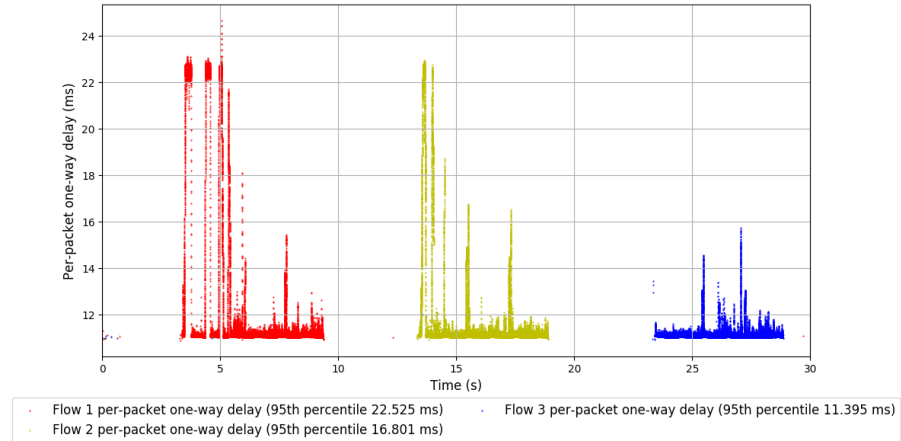
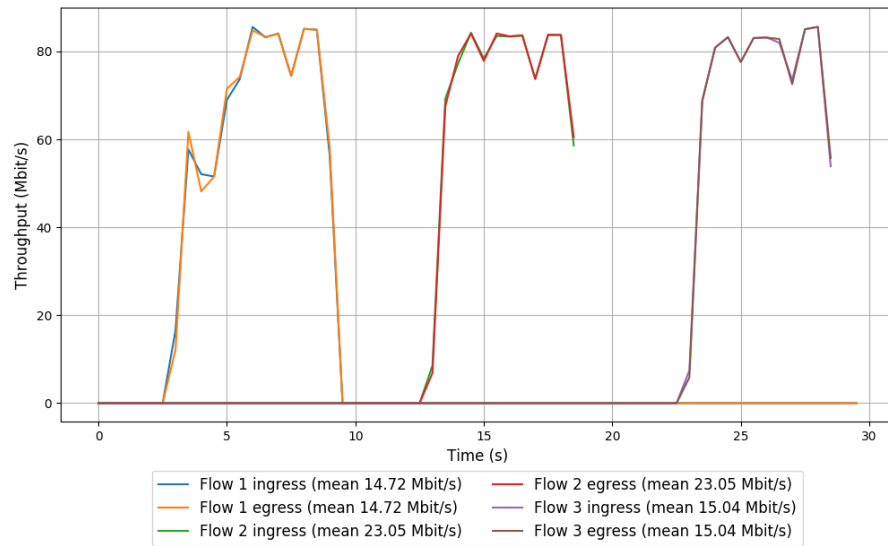
-- Flow 3:

Average throughput: 15.04 Mbit/s

95th percentile per-packet one-way delay: 11.395 ms

Loss rate: 0.01%

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



Run 3: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 13:00:44 +0000

End at: Sat, 01 Jul 2017 13:01:14 +0000

Local clock offset: 4.76 ms

Remote clock offset: -19.698 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.90 Mbit/s

95th percentile per-packet one-way delay: 21.305 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 16.33 Mbit/s

95th percentile per-packet one-way delay: 21.298 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 22.33 Mbit/s

95th percentile per-packet one-way delay: 21.449 ms

Loss rate: 0.00%

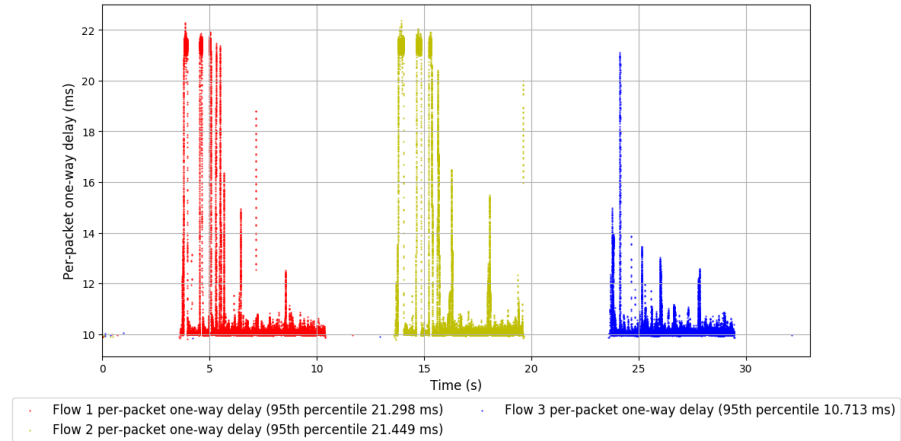
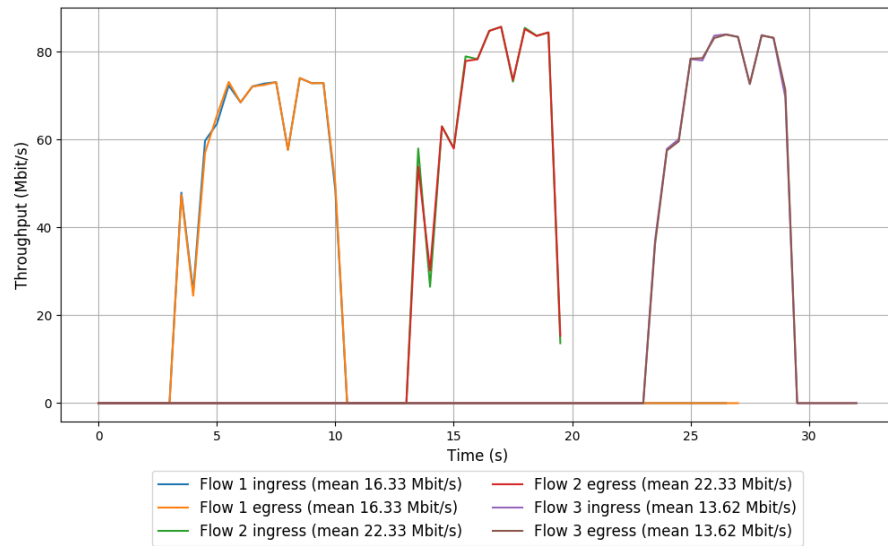
-- Flow 3:

Average throughput: 13.62 Mbit/s

95th percentile per-packet one-way delay: 10.713 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 13:18:45 +0000

End at: Sat, 01 Jul 2017 13:19:15 +0000

Local clock offset: 4.262 ms

Remote clock offset: -21.064 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.68 Mbit/s

95th percentile per-packet one-way delay: 20.517 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 14.66 Mbit/s

95th percentile per-packet one-way delay: 20.662 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 14.55 Mbit/s

95th percentile per-packet one-way delay: 12.348 ms

Loss rate: 0.11%

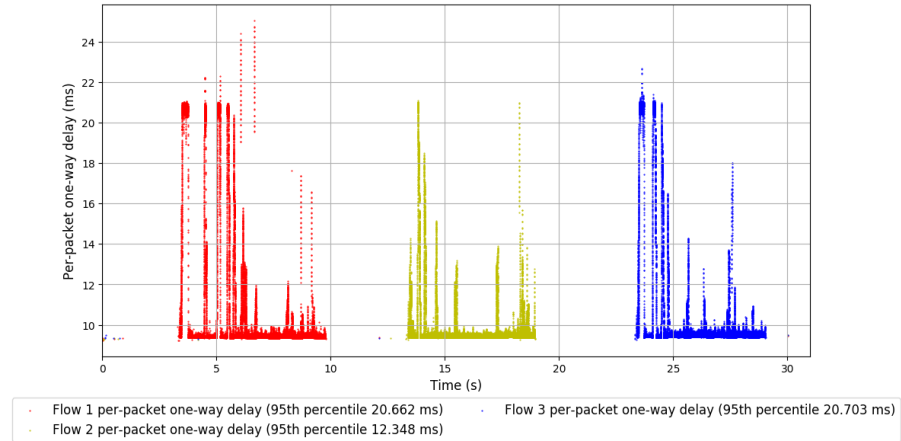
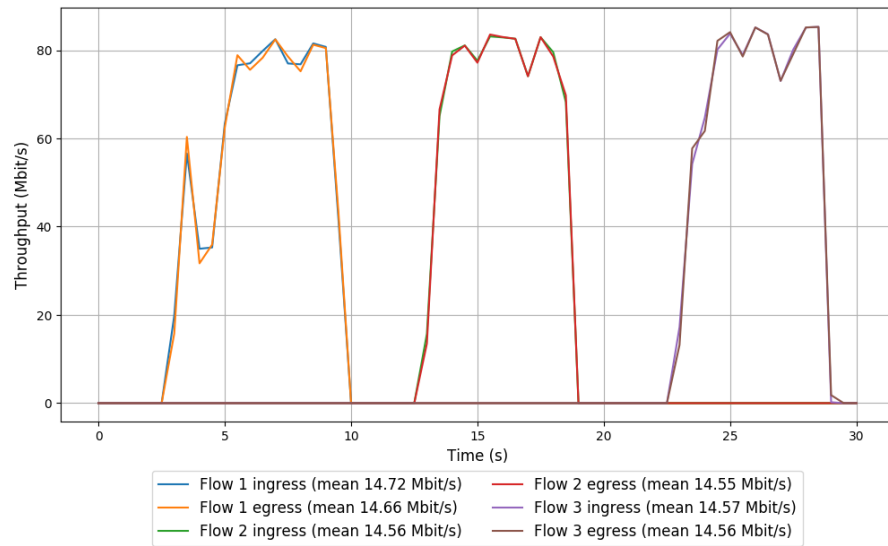
-- Flow 3:

Average throughput: 14.56 Mbit/s

95th percentile per-packet one-way delay: 20.703 ms

Loss rate: 0.11%

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



Run 5: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 13:36:51 +0000

End at: Sat, 01 Jul 2017 13:37:21 +0000

Local clock offset: 3.417 ms

Remote clock offset: -18.071 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.51 Mbit/s

95th percentile per-packet one-way delay: 12.312 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 14.63 Mbit/s

95th percentile per-packet one-way delay: 11.230 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.58 Mbit/s

95th percentile per-packet one-way delay: 21.522 ms

Loss rate: 0.40%

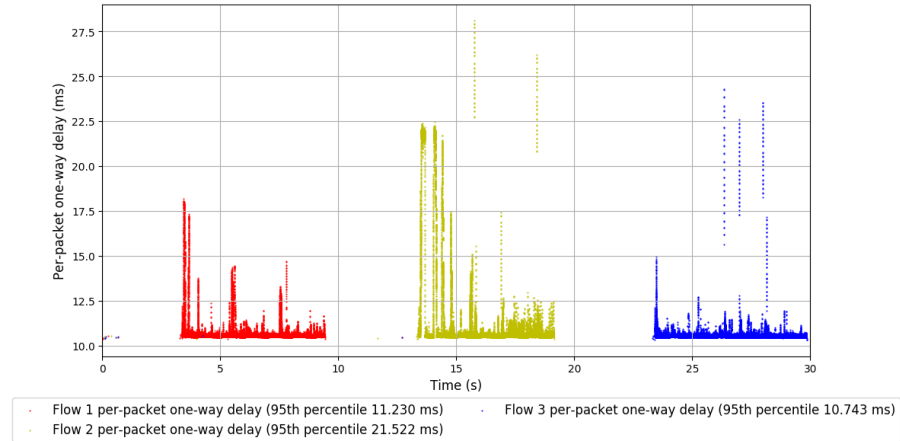
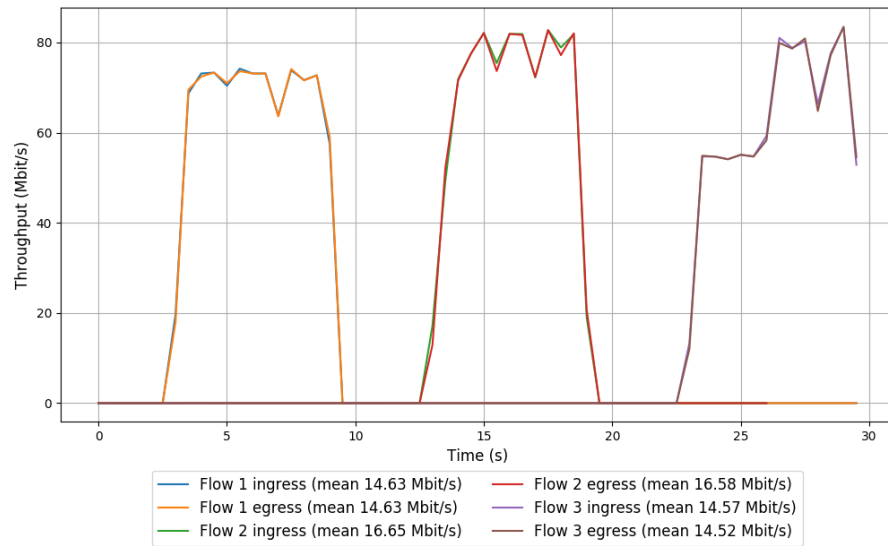
-- Flow 3:

Average throughput: 14.52 Mbit/s

95th percentile per-packet one-way delay: 10.743 ms

Loss rate: 0.34%

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



Run 6: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 13:55:00 +0000

End at: Sat, 01 Jul 2017 13:55:30 +0000

Local clock offset: 3.47 ms

Remote clock offset: -18.672 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:28:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.36 Mbit/s

95th percentile per-packet one-way delay: 21.711 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 14.49 Mbit/s

95th percentile per-packet one-way delay: 11.078 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 16.40 Mbit/s

95th percentile per-packet one-way delay: 21.955 ms

Loss rate: 0.20%

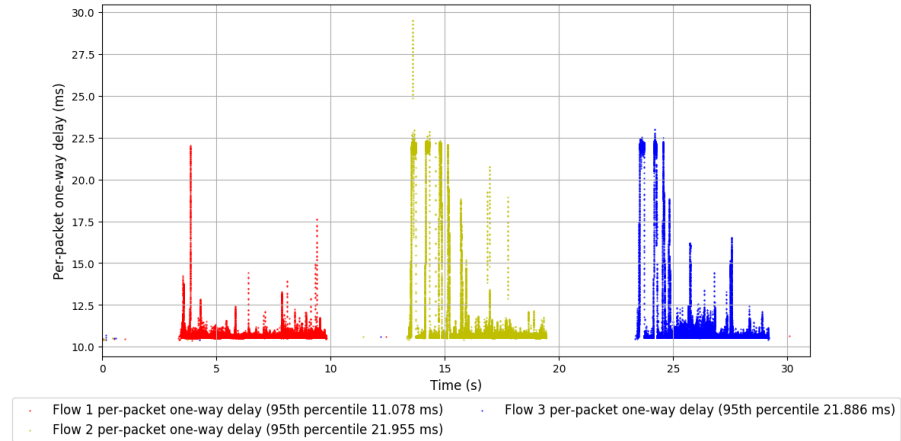
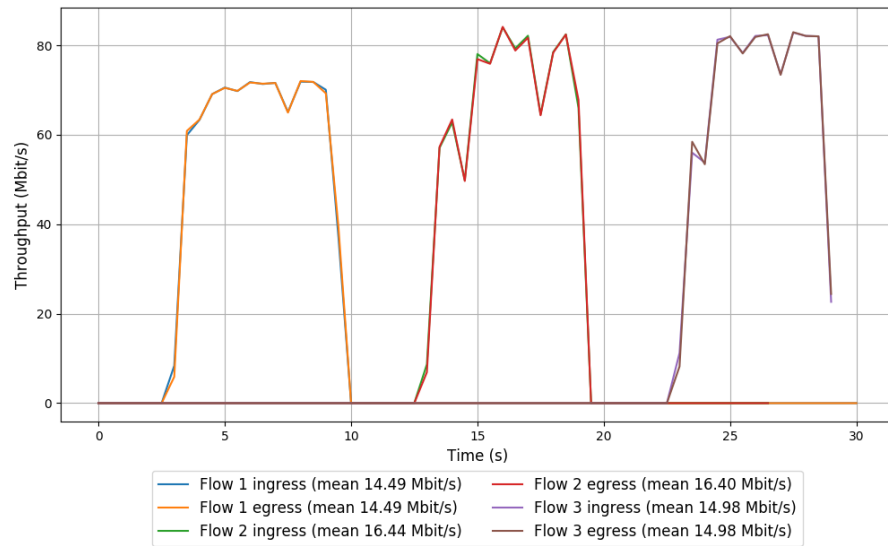
-- Flow 3:

Average throughput: 14.98 Mbit/s

95th percentile per-packet one-way delay: 21.886 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 14:13:12 +0000

End at: Sat, 01 Jul 2017 14:13:42 +0000

Local clock offset: 3.029 ms

Remote clock offset: -18.191 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.35 Mbit/s

95th percentile per-packet one-way delay: 17.304 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 15.97 Mbit/s

95th percentile per-packet one-way delay: 13.925 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 17.15 Mbit/s

95th percentile per-packet one-way delay: 23.443 ms

Loss rate: 0.18%

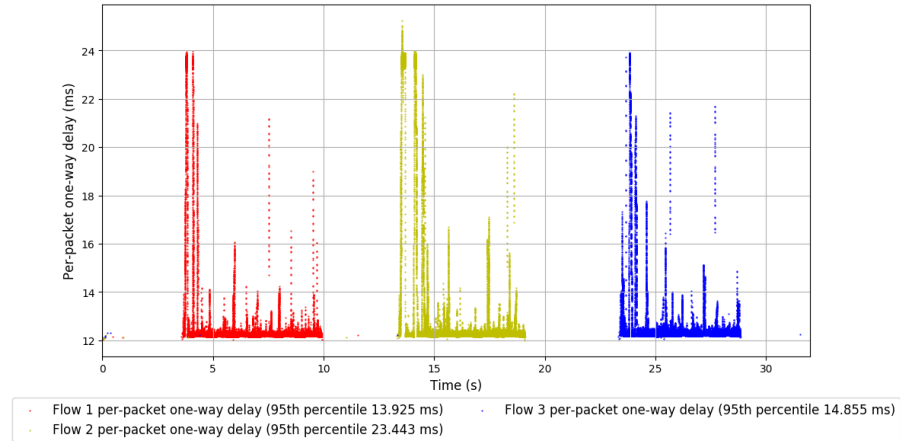
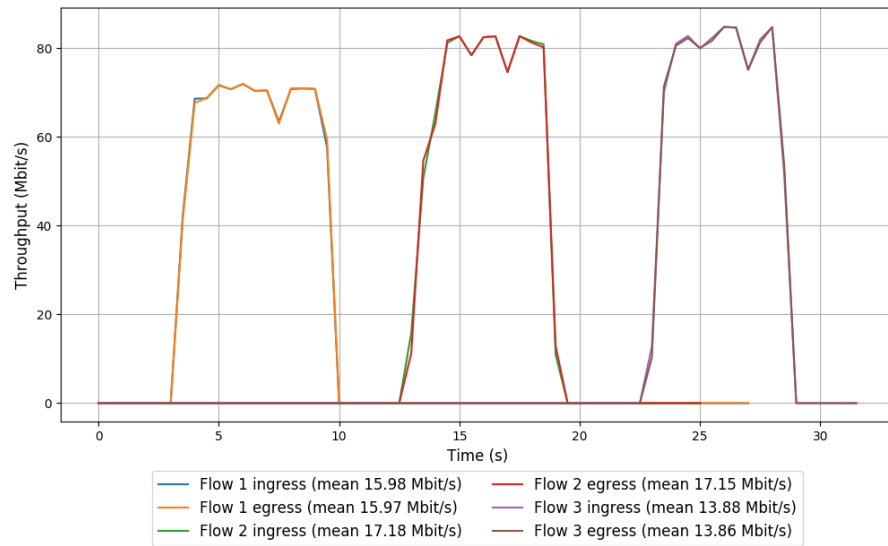
-- Flow 3:

Average throughput: 13.86 Mbit/s

95th percentile per-packet one-way delay: 14.855 ms

Loss rate: 0.14%

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



Run 8: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 14:31:21 +0000

End at: Sat, 01 Jul 2017 14:31:51 +0000

Local clock offset: 1.806 ms

Remote clock offset: -19.562 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:29:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.53 Mbit/s

95th percentile per-packet one-way delay: 16.389 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 14.49 Mbit/s

95th percentile per-packet one-way delay: 14.017 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 14.50 Mbit/s

95th percentile per-packet one-way delay: 13.732 ms

Loss rate: 0.31%

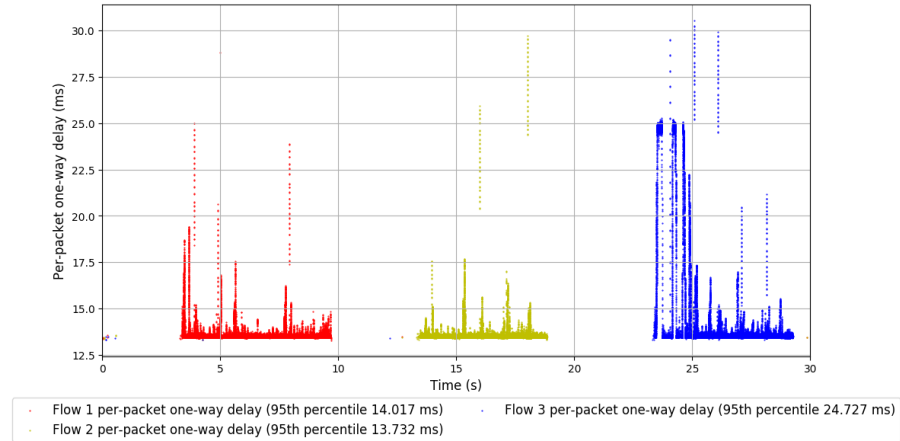
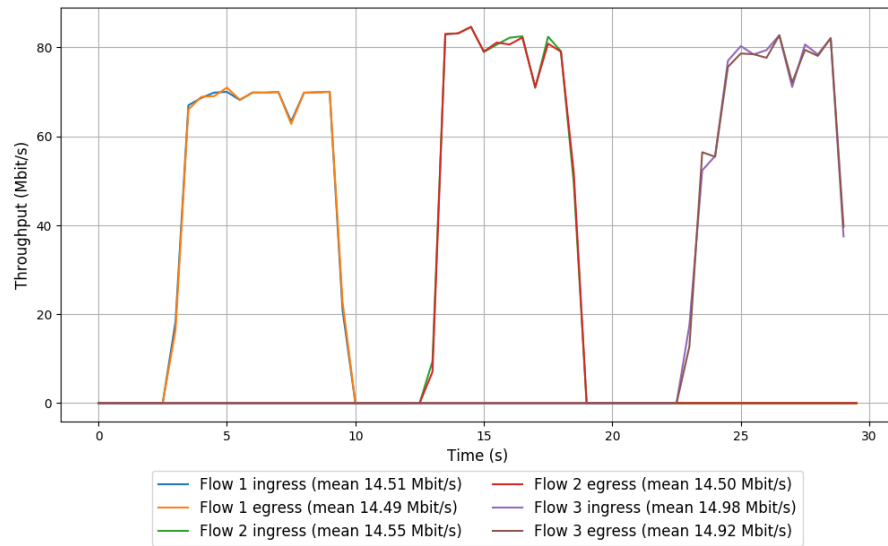
-- Flow 3:

Average throughput: 14.92 Mbit/s

95th percentile per-packet one-way delay: 24.727 ms

Loss rate: 0.45%

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



Run 9: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 14:50:05 +0000

End at: Sat, 01 Jul 2017 14:50:35 +0000

Local clock offset: 2.706 ms

Remote clock offset: -17.763 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:29:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.89 Mbit/s

95th percentile per-packet one-way delay: 17.380 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 16.00 Mbit/s

95th percentile per-packet one-way delay: 21.751 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 16.63 Mbit/s

95th percentile per-packet one-way delay: 15.643 ms

Loss rate: 0.19%

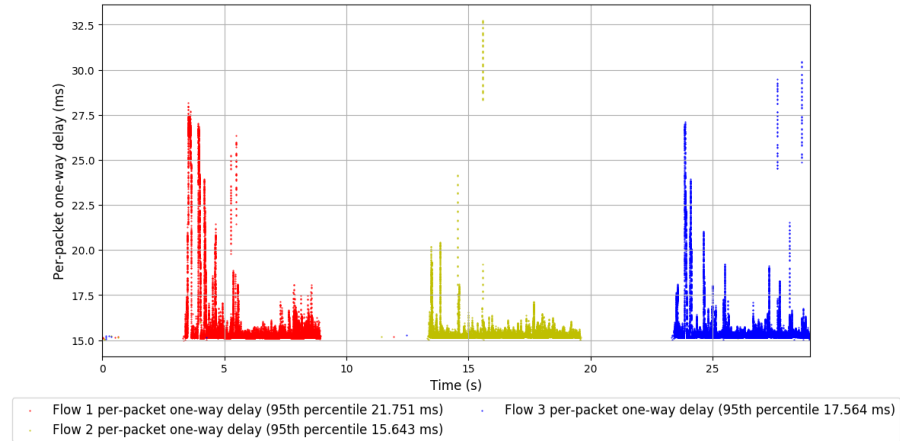
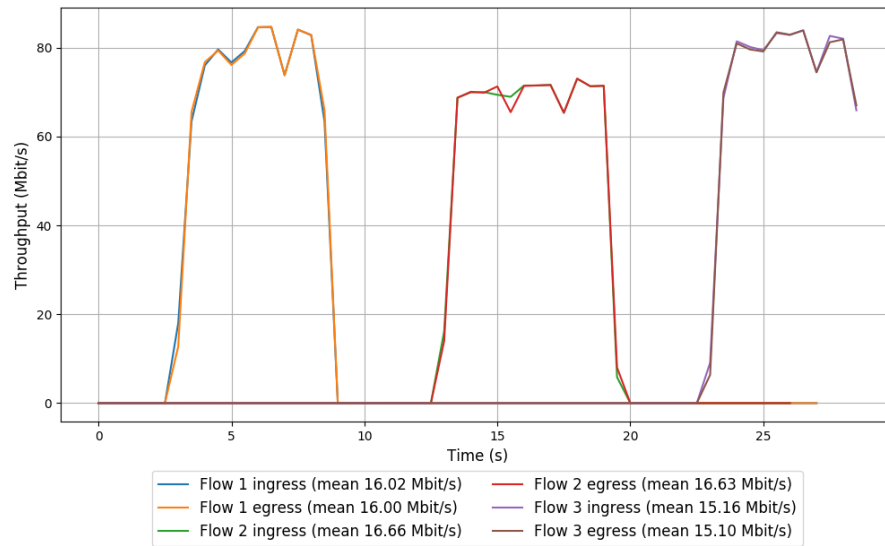
-- Flow 3:

Average throughput: 15.10 Mbit/s

95th percentile per-packet one-way delay: 17.564 ms

Loss rate: 0.35%

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



Run 10: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 15:08:31 +0000

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

Local clock offset: -1.516 ms

Remote clock offset: -16.305 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:29:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.07 Mbit/s

95th percentile per-packet one-way delay: 26.921 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 16.61 Mbit/s

95th percentile per-packet one-way delay: 17.072 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 13.74 Mbit/s

95th percentile per-packet one-way delay: 27.216 ms

Loss rate: 0.33%

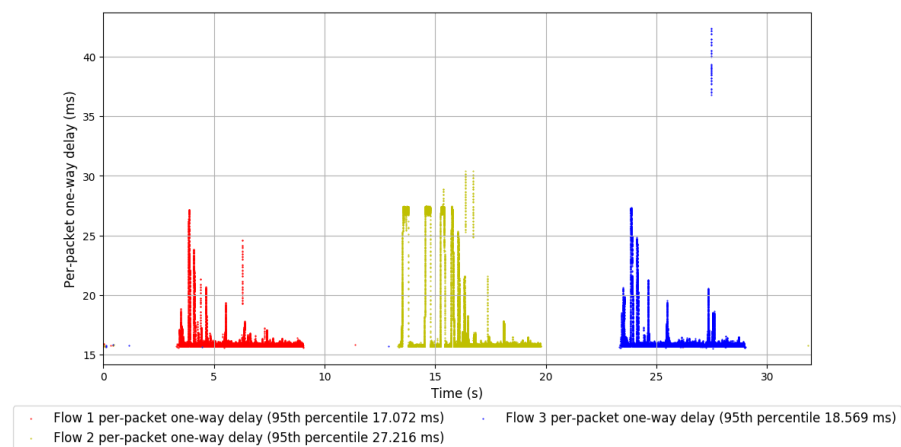
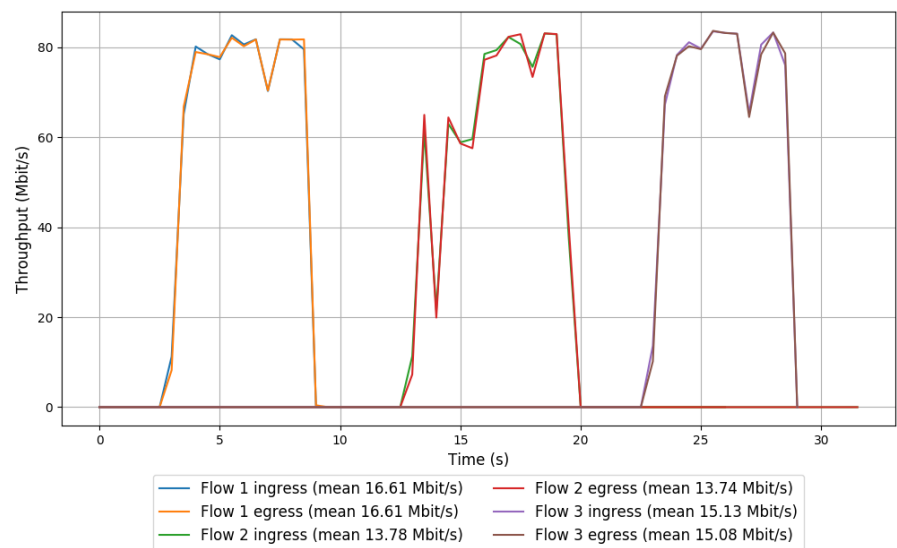
-- Flow 3:

Average throughput: 15.08 Mbit/s

95th percentile per-packet one-way delay: 18.569 ms

Loss rate: 0.36%

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



Run 1: Statistics of Saturator

Start at: Sat, 01 Jul 2017 12:15:36 +0000

End at: Sat, 01 Jul 2017 12:16:06 +0000

Local clock offset: 2.787 ms

Remote clock offset: -18.619 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:29:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 58.559 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 49.60 Mbit/s

95th percentile per-packet one-way delay: 58.517 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 20.98 Mbit/s

95th percentile per-packet one-way delay: 58.692 ms

Loss rate: 0.28%

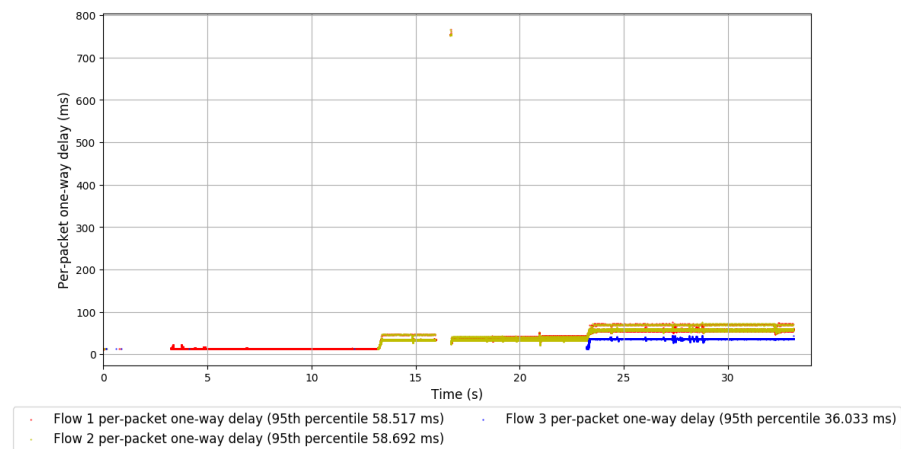
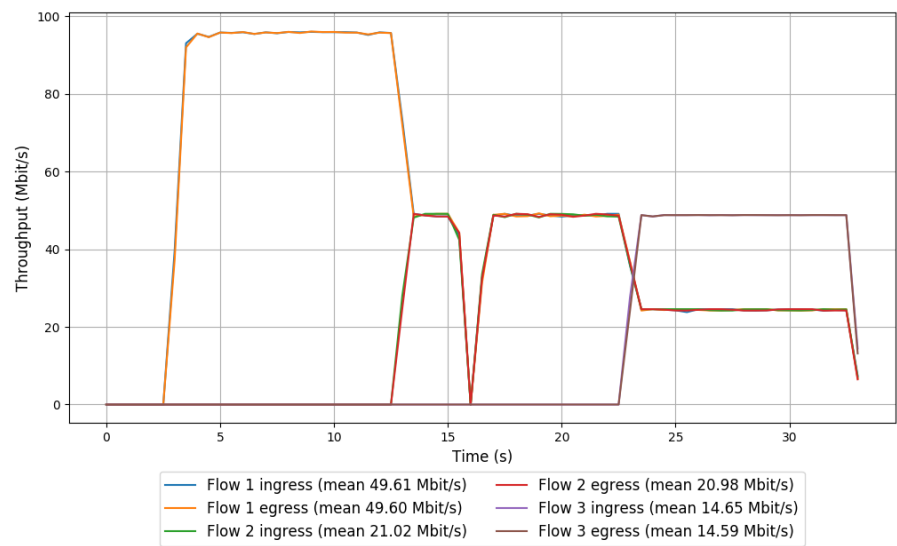
-- Flow 3:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 36.033 ms

Loss rate: 0.49%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

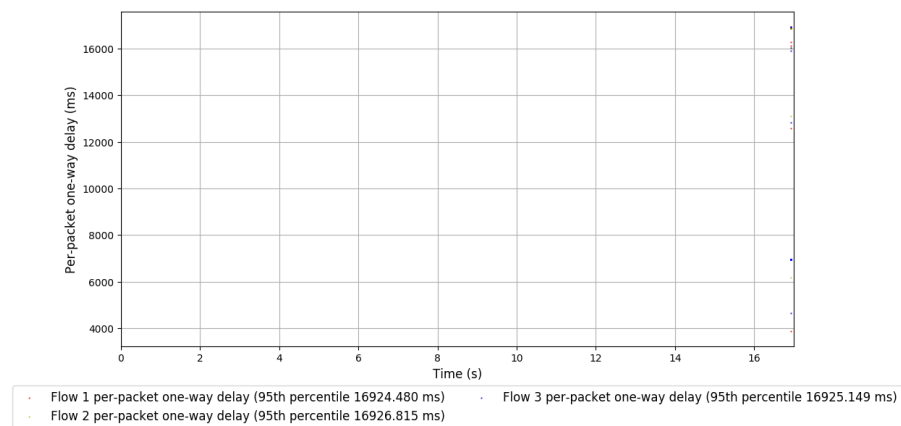
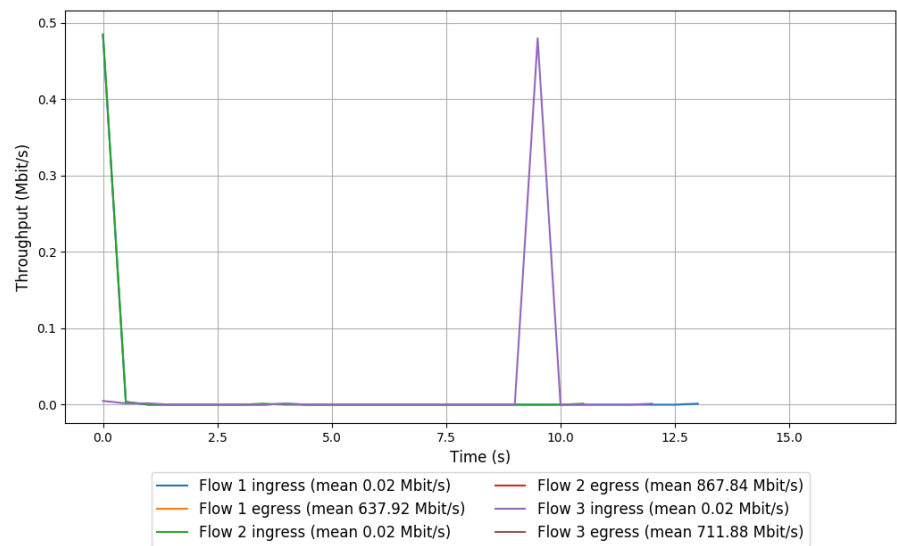
Start at: Sat, 01 Jul 2017 12:34:05 +0000

End at: Sat, 01 Jul 2017 12:34:35 +0000

Local clock offset: -0.953 ms

Remote clock offset: -21.219 ms

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sat, 01 Jul 2017 12:52:22 +0000

End at: Sat, 01 Jul 2017 12:52:52 +0000

Local clock offset: 3.198 ms

Remote clock offset: -19.833 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:29:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.48 Mbit/s

95th percentile per-packet one-way delay: 57.216 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 56.05 Mbit/s

95th percentile per-packet one-way delay: 34.432 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 23.25 Mbit/s

95th percentile per-packet one-way delay: 57.285 ms

Loss rate: 0.24%

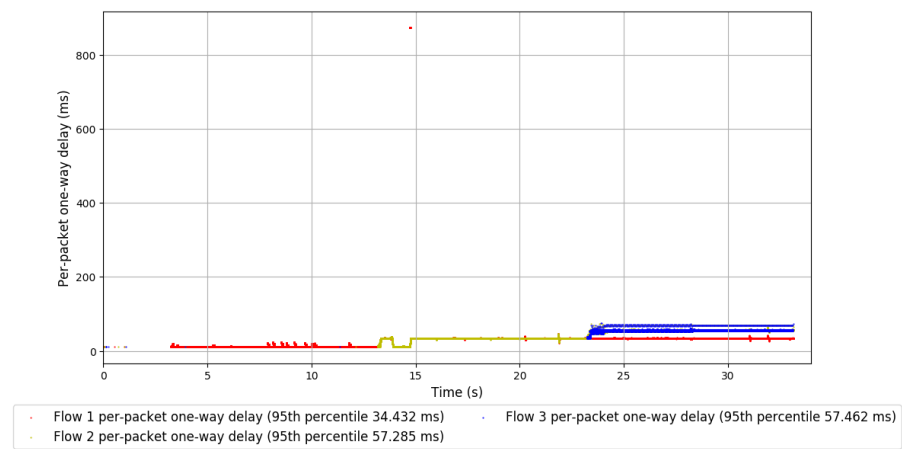
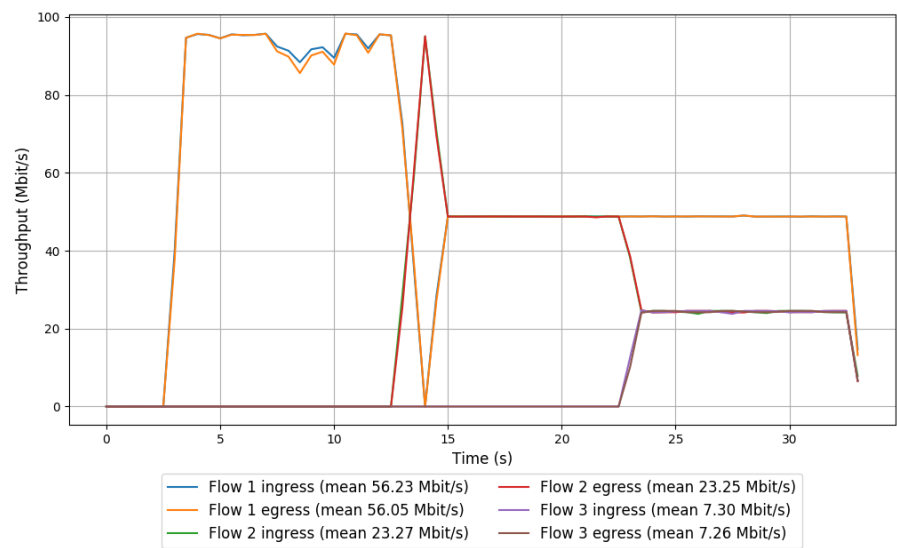
-- Flow 3:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 57.462 ms

Loss rate: 0.70%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sat, 01 Jul 2017 13:10:33 +0000

End at: Sat, 01 Jul 2017 13:11:03 +0000

Local clock offset: 0.819 ms

Remote clock offset: -19.375 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.97 Mbit/s

95th percentile per-packet one-way delay: 45.004 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 51.38 Mbit/s

95th percentile per-packet one-way delay: 44.961 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.75 Mbit/s

95th percentile per-packet one-way delay: 45.009 ms

Loss rate: 0.25%

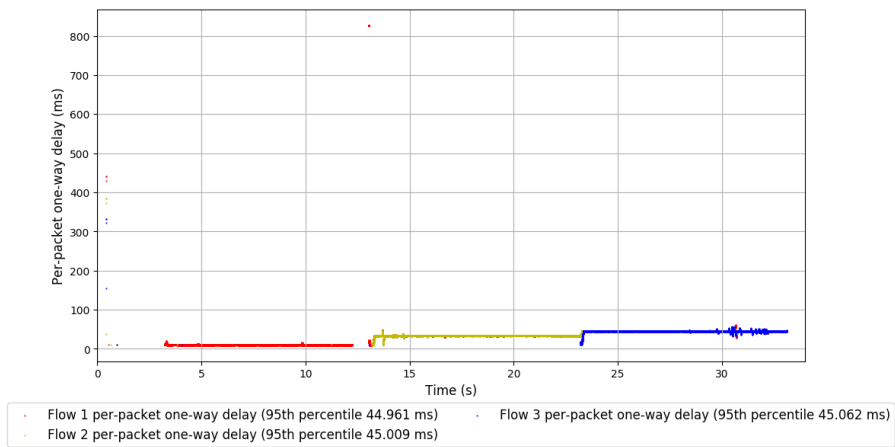
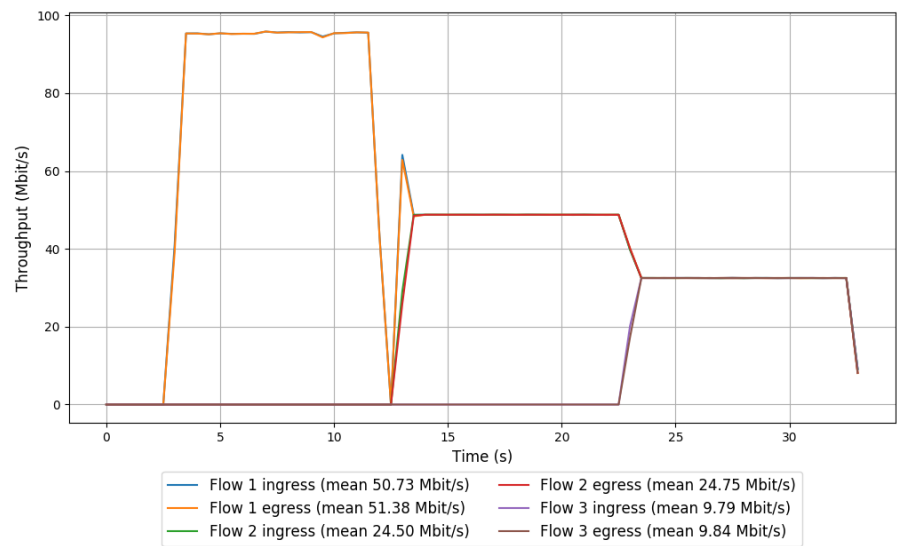
-- Flow 3:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 45.062 ms

Loss rate: 0.60%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sat, 01 Jul 2017 13:28:39 +0000

End at: Sat, 01 Jul 2017 13:29:09 +0000

Local clock offset: 2.808 ms

Remote clock offset: -19.479 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:29:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 45.716 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 52.96 Mbit/s

95th percentile per-packet one-way delay: 45.672 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 24.47 Mbit/s

95th percentile per-packet one-way delay: 45.729 ms

Loss rate: 0.24%

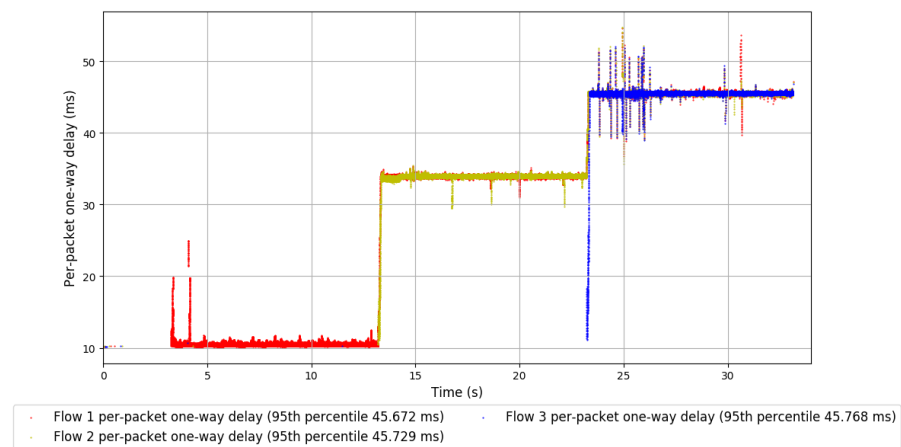
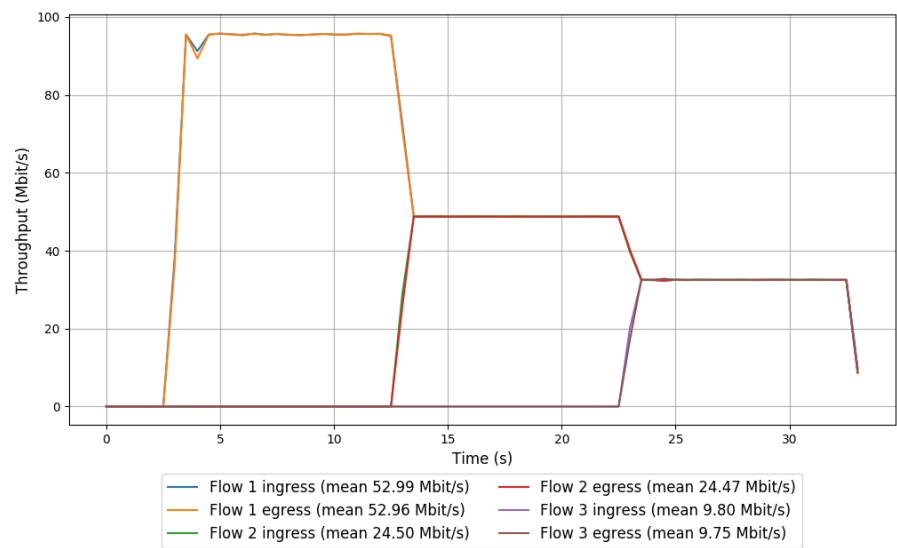
-- Flow 3:

Average throughput: 9.75 Mbit/s

95th percentile per-packet one-way delay: 45.768 ms

Loss rate: 0.62%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sat, 01 Jul 2017 13:46:43 +0000

End at: Sat, 01 Jul 2017 13:47:13 +0000

Local clock offset: 2.272 ms

Remote clock offset: -18.992 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:29:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 56.915 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 50.62 Mbit/s

95th percentile per-packet one-way delay: 56.871 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 22.03 Mbit/s

95th percentile per-packet one-way delay: 57.040 ms

Loss rate: 0.32%

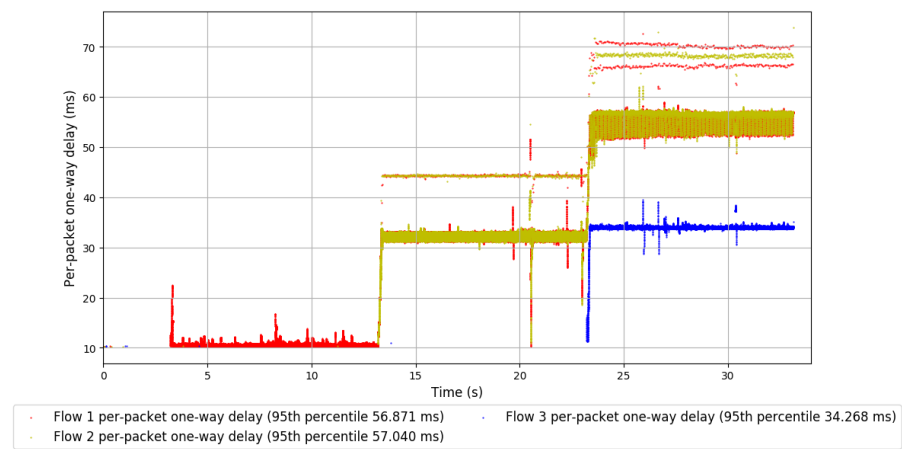
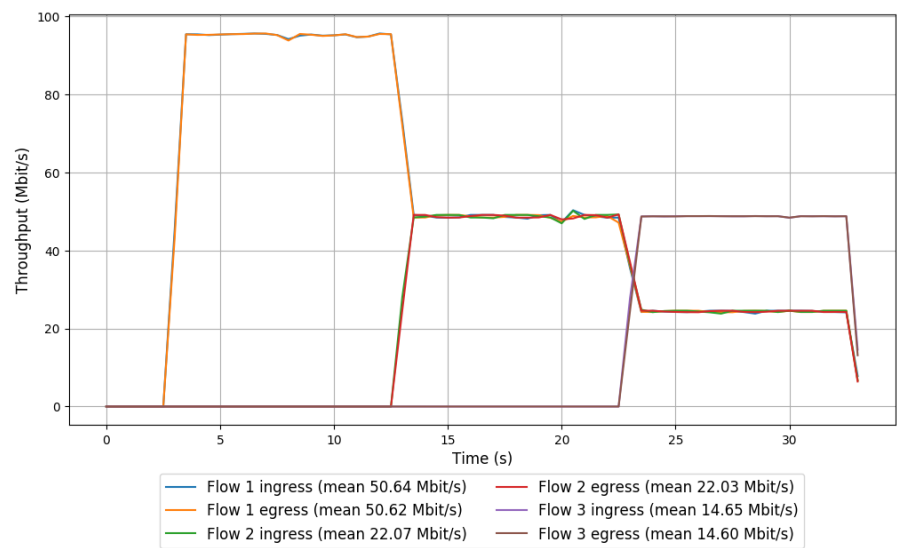
-- Flow 3:

Average throughput: 14.60 Mbit/s

95th percentile per-packet one-way delay: 34.268 ms

Loss rate: 0.49%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sat, 01 Jul 2017 14:05:02 +0000

End at: Sat, 01 Jul 2017 14:05:32 +0000

Local clock offset: 2.605 ms

Remote clock offset: -18.8 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:29:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.00 Mbit/s

95th percentile per-packet one-way delay: 46.922 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 52.87 Mbit/s

95th percentile per-packet one-way delay: 46.821 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 24.47 Mbit/s

95th percentile per-packet one-way delay: 46.957 ms

Loss rate: 0.31%

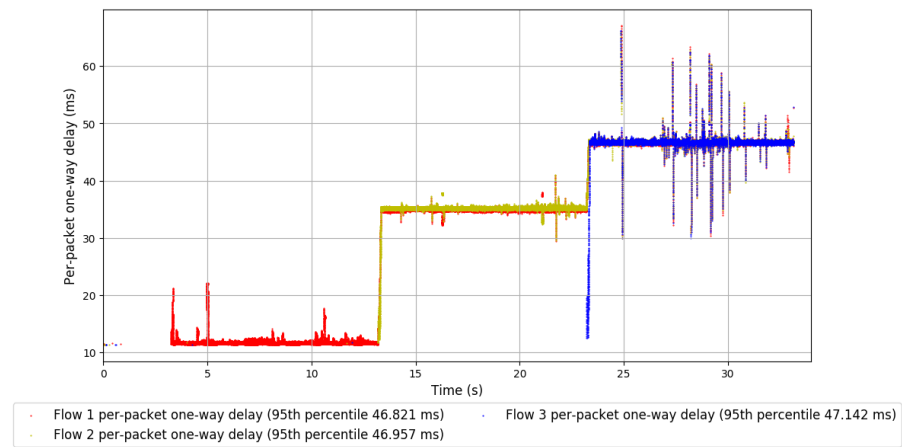
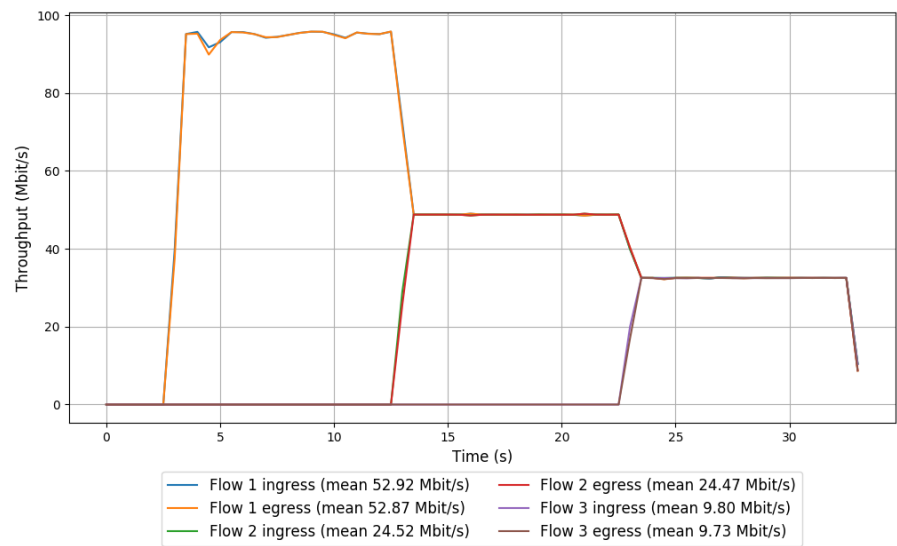
-- Flow 3:

Average throughput: 9.73 Mbit/s

95th percentile per-packet one-way delay: 47.142 ms

Loss rate: 0.79%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

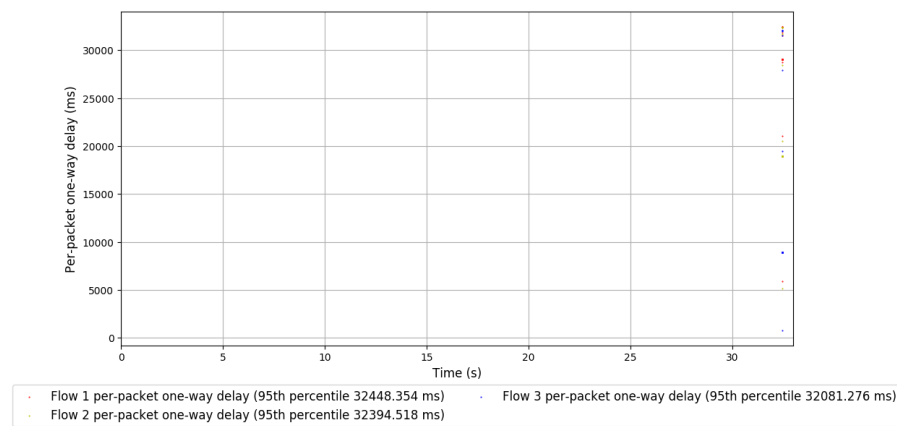
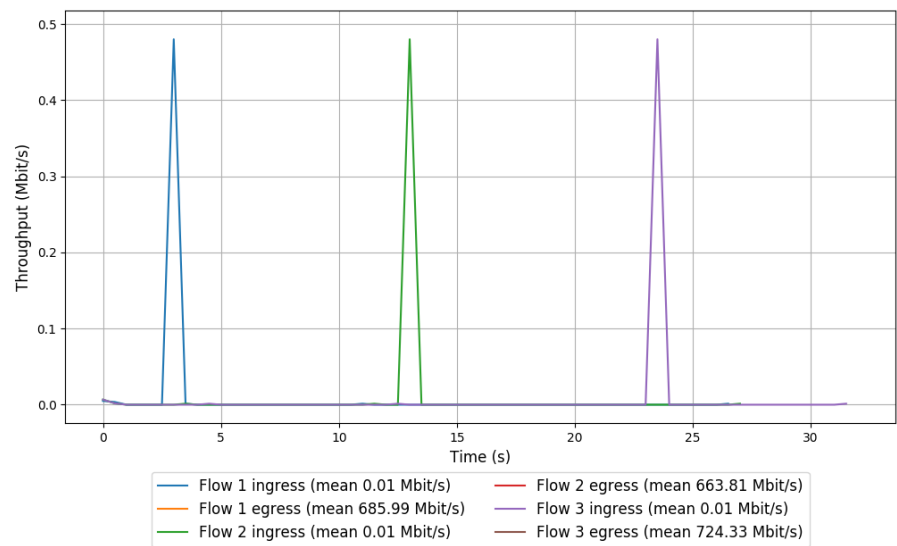
Start at: Sat, 01 Jul 2017 14:23:08 +0000

End at: Sat, 01 Jul 2017 14:23:38 +0000

Local clock offset: 2.133 ms

Remote clock offset: -16.781 ms

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sat, 01 Jul 2017 14:41:27 +0000

End at: Sat, 01 Jul 2017 14:41:57 +0000

Local clock offset: -0.502 ms

Remote clock offset: -15.454 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.69 Mbit/s

95th percentile per-packet one-way delay: 49.728 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 49.644 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 24.48 Mbit/s

95th percentile per-packet one-way delay: 49.733 ms

Loss rate: 0.31%

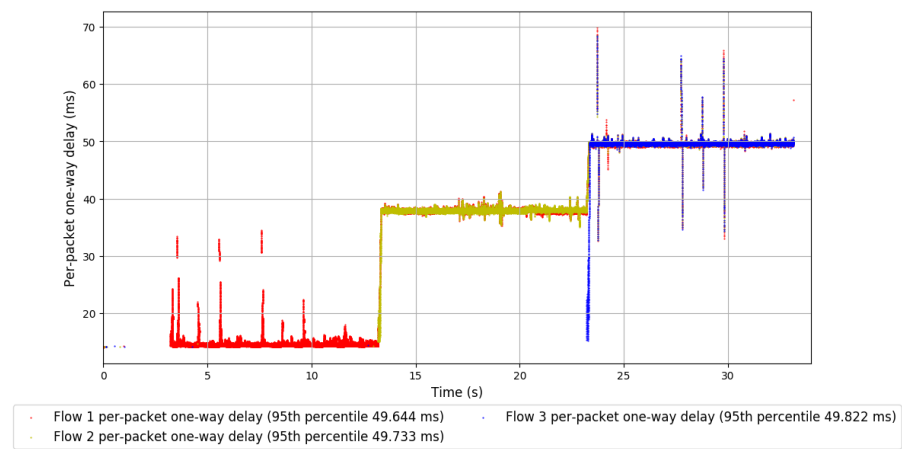
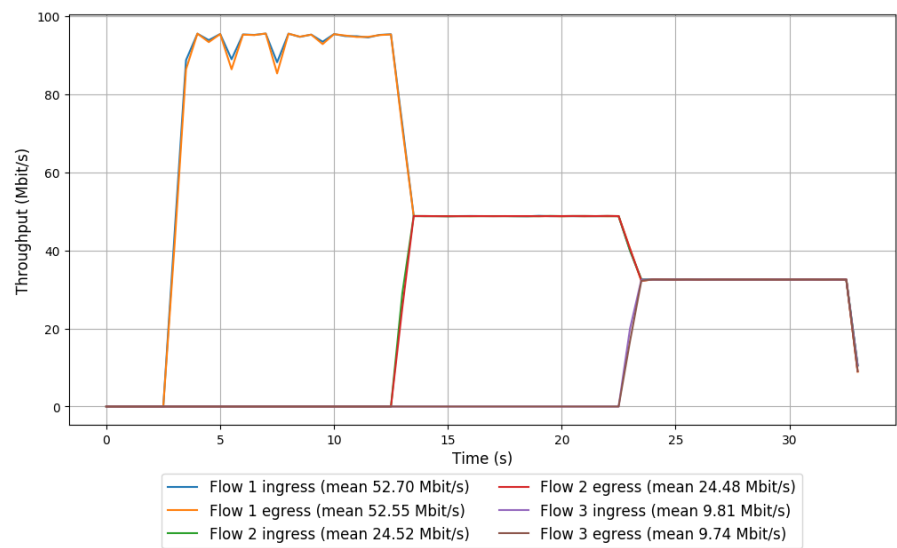
-- Flow 3:

Average throughput: 9.74 Mbit/s

95th percentile per-packet one-way delay: 49.822 ms

Loss rate: 0.78%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

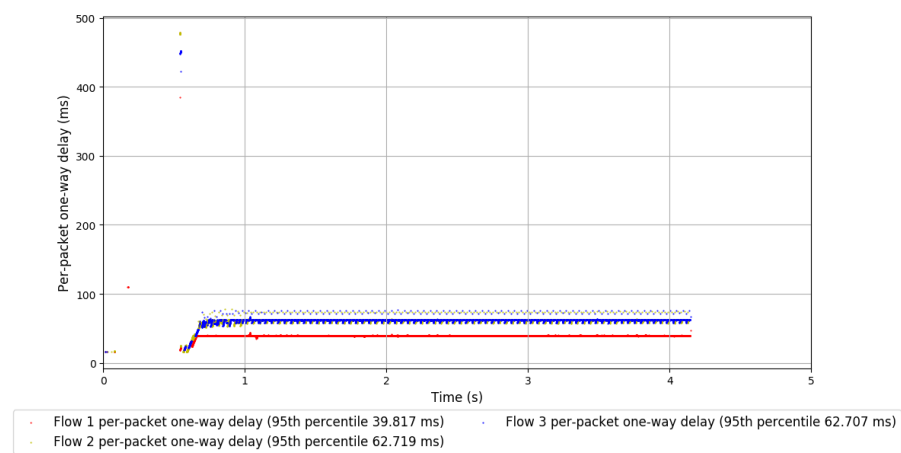
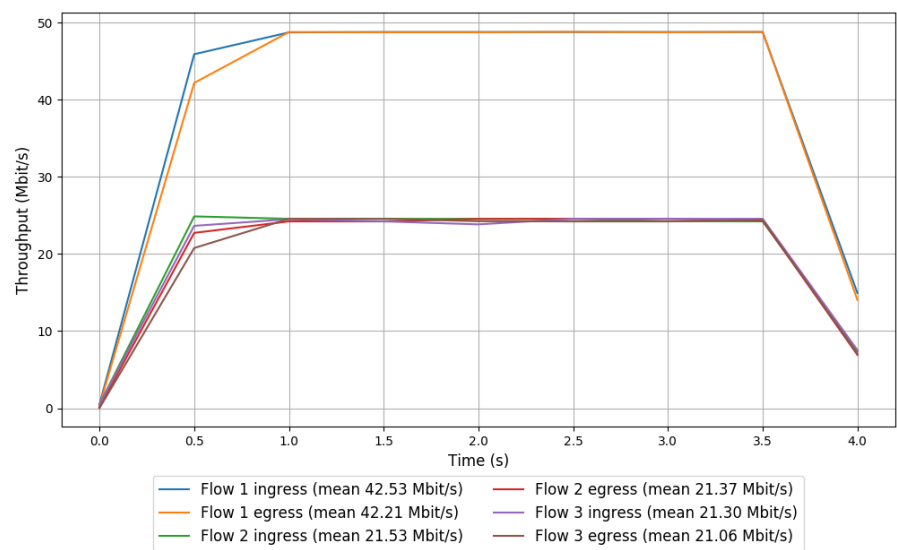
Start at: Sat, 01 Jul 2017 15:00:19 +0000

End at: Sat, 01 Jul 2017 15:00:49 +0000

Local clock offset: 0.952 ms

Remote clock offset: -16.042 ms

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 12:20:24 +0000

End at: Sat, 01 Jul 2017 12:20:54 +0000

Local clock offset: -2.003 ms

Remote clock offset: -19.223 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 12.139 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 12.156 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 12.114 ms

Loss rate: 0.00%

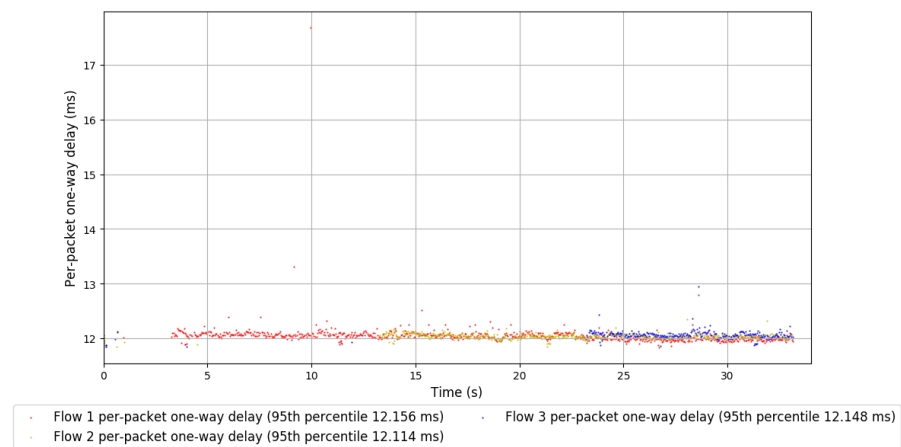
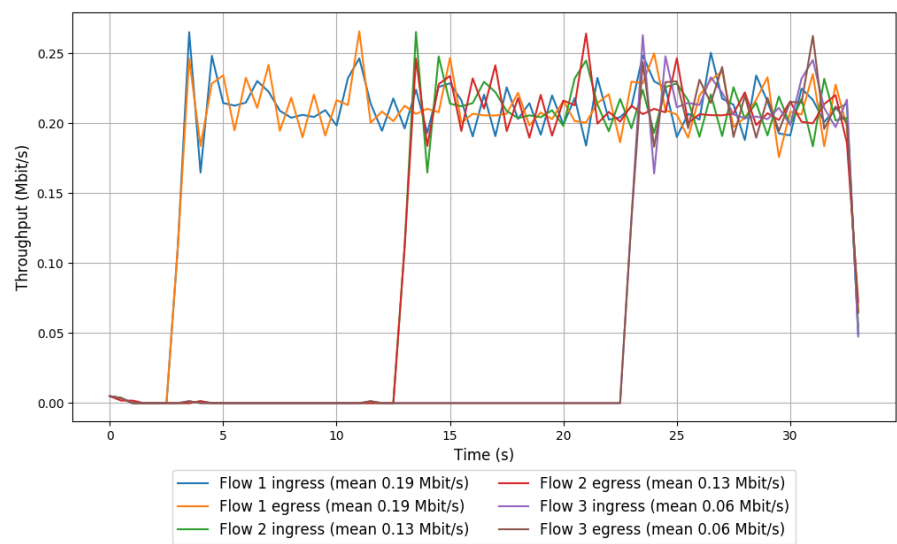
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 12.148 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 12:38:42 +0000

End at: Sat, 01 Jul 2017 12:39:12 +0000

Local clock offset: -0.065 ms

Remote clock offset: -19.613 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 11.339 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 11.344 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 11.325 ms

Loss rate: 0.00%

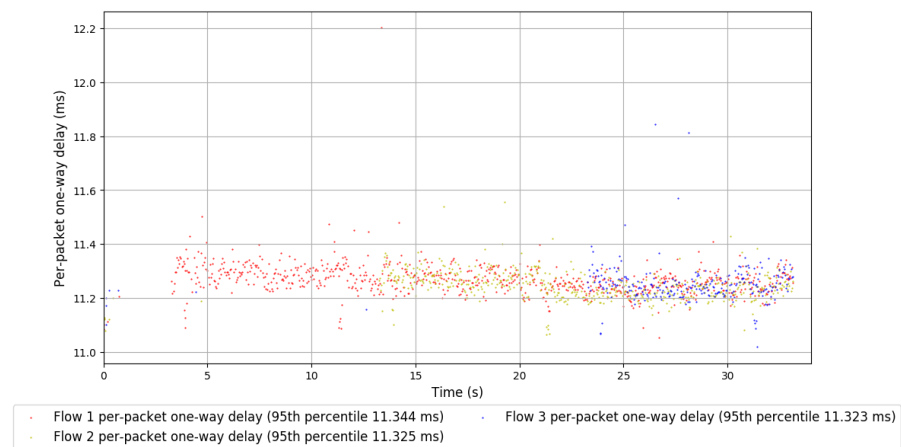
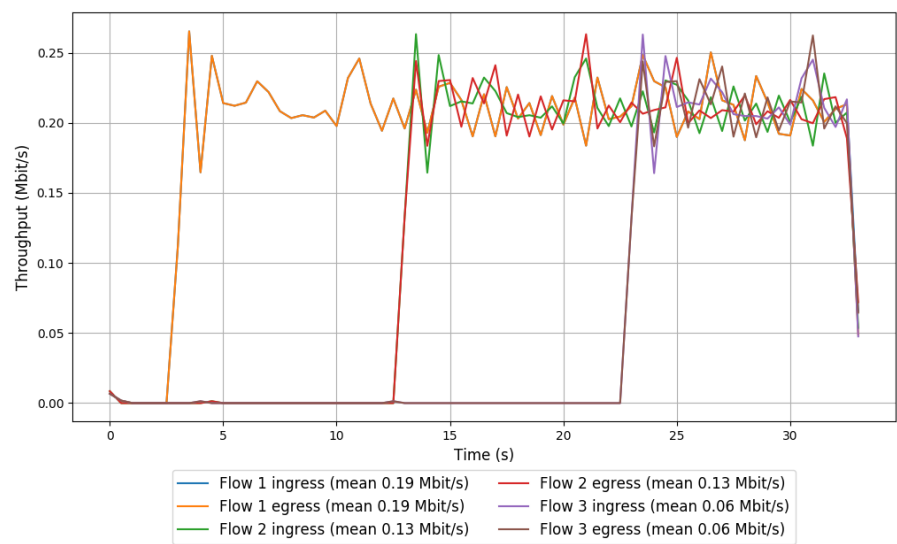
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 11.323 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 12:57:15 +0000

End at: Sat, 01 Jul 2017 12:57:45 +0000

Local clock offset: 0.655 ms

Remote clock offset: -19.563 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 10.322 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 10.340 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 10.301 ms

Loss rate: 0.00%

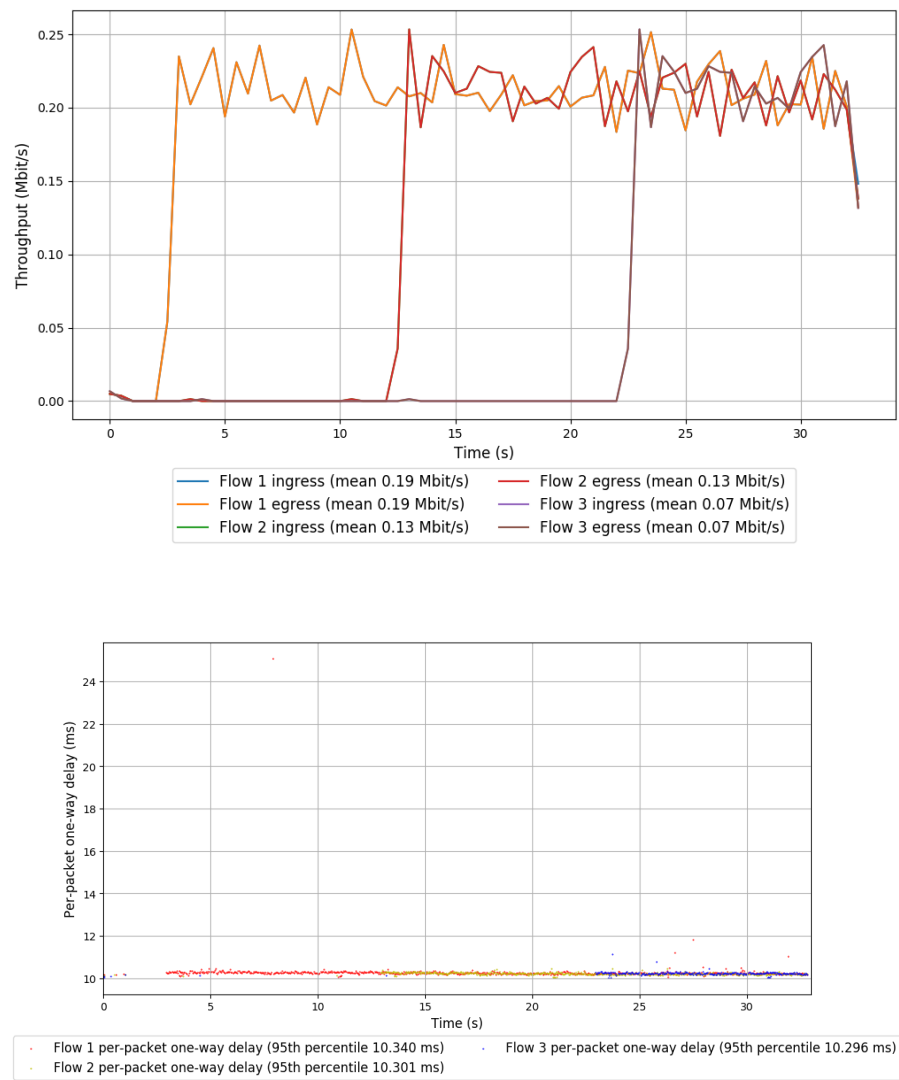
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 10.296 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 13:15:16 +0000

End at: Sat, 01 Jul 2017 13:15:46 +0000

Local clock offset: 2.388 ms

Remote clock offset: -20.209 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 9.518 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 9.527 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 9.506 ms

Loss rate: 0.19%

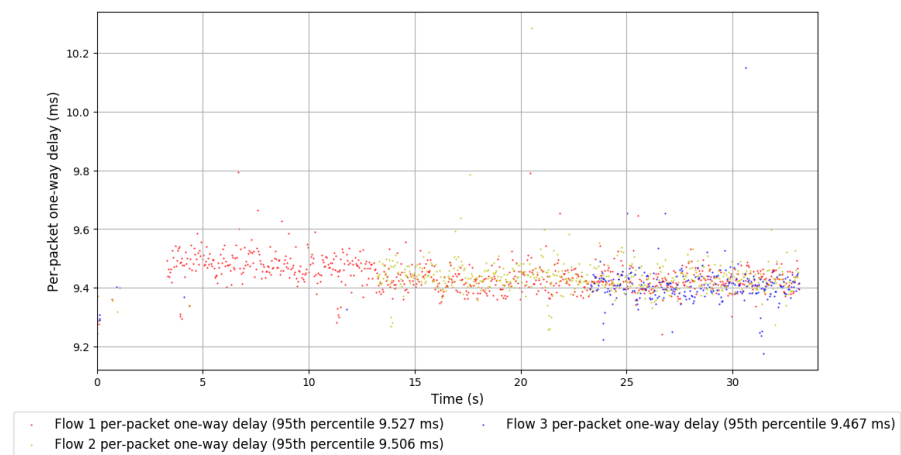
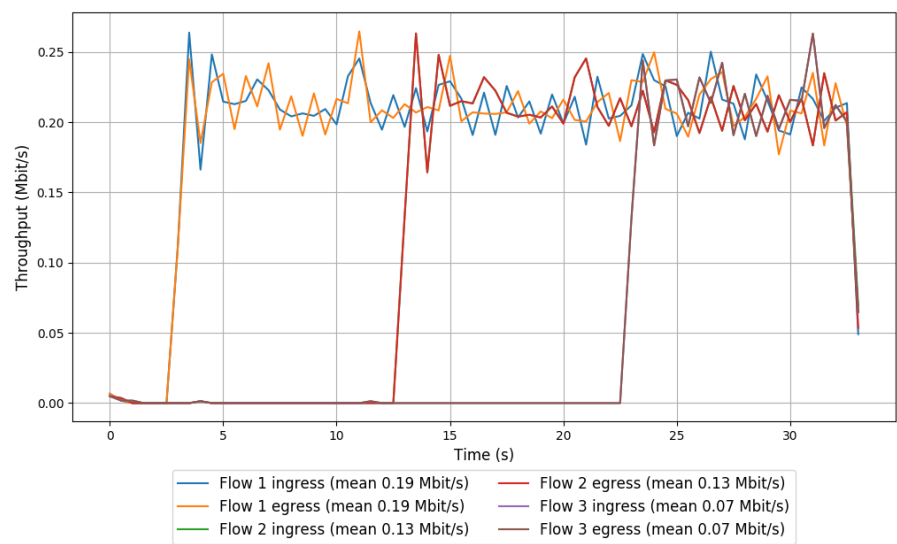
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 9.467 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 13:33:28 +0000

End at: Sat, 01 Jul 2017 13:33:58 +0000

Local clock offset: 1.3 ms

Remote clock offset: -19.482 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 10.722 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 10.721 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 10.726 ms

Loss rate: 0.20%

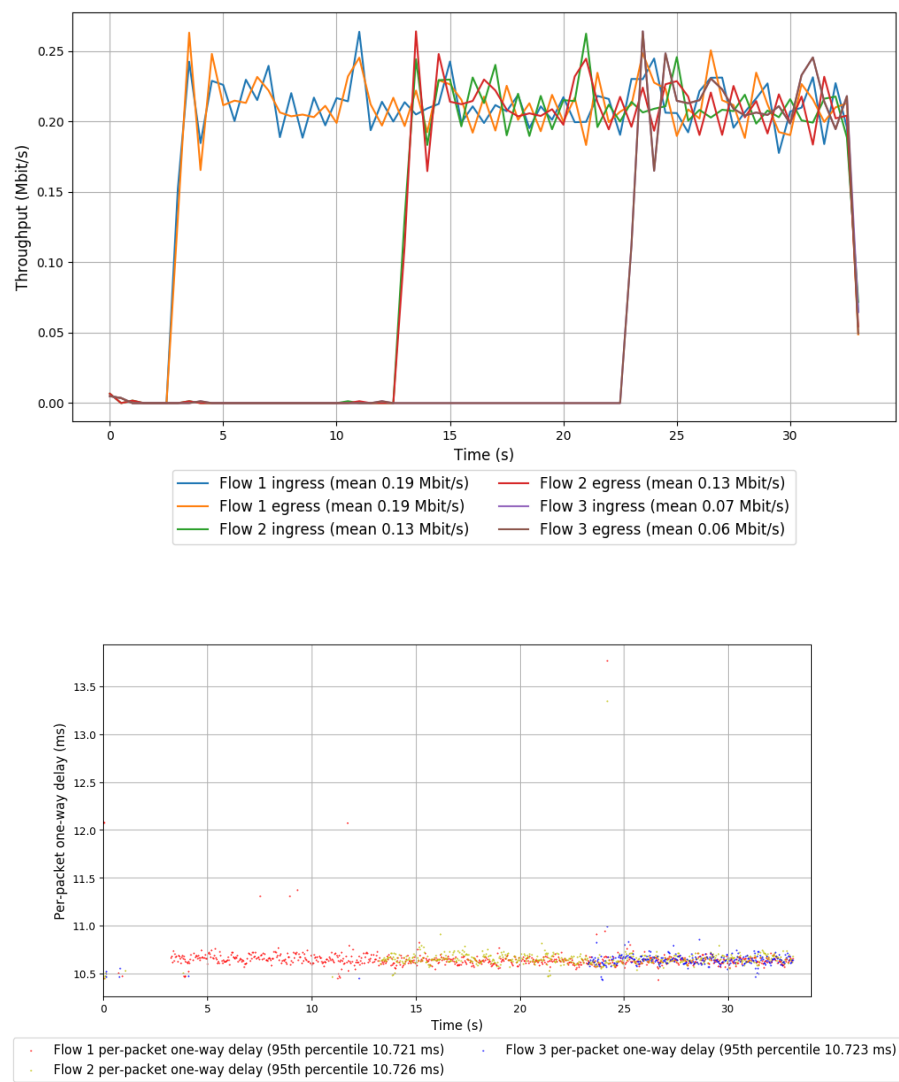
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 10.723 ms

Loss rate: 0.35%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 13:51:30 +0000

End at: Sat, 01 Jul 2017 13:52:00 +0000

Local clock offset: 3.349 ms

Remote clock offset: -19.61 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 10.458 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 10.434 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 10.473 ms

Loss rate: 0.20%

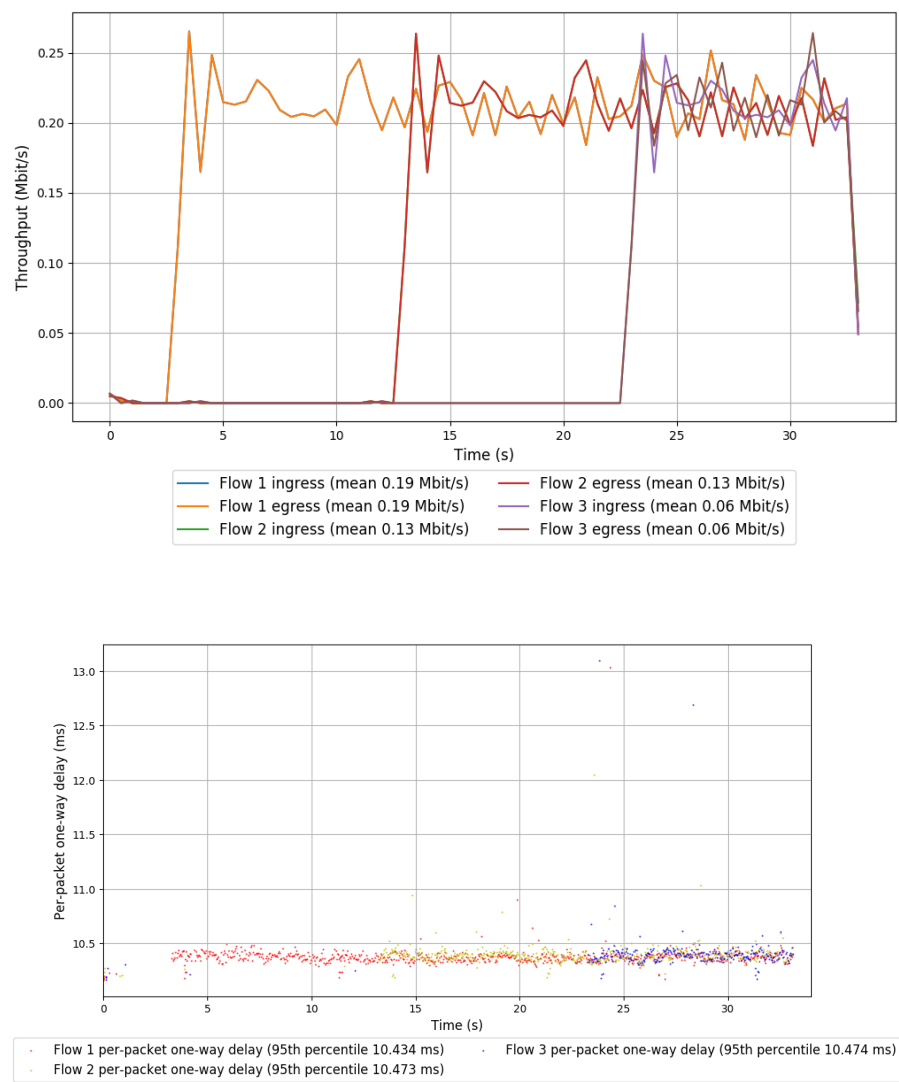
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 10.474 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 14:09:45 +0000

End at: Sat, 01 Jul 2017 14:10:15 +0000

Local clock offset: 3.023 ms

Remote clock offset: -17.519 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 12.099 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 12.076 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 12.112 ms

Loss rate: 0.20%

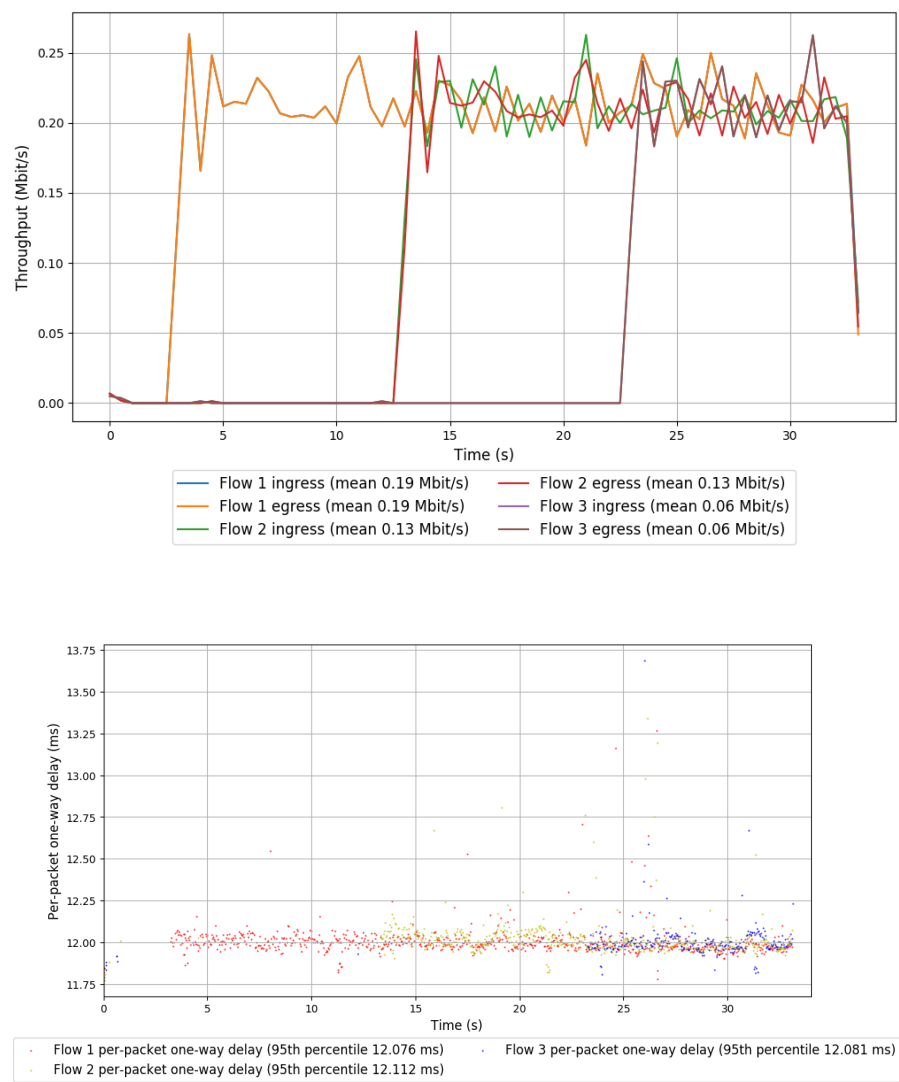
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 12.081 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 14:27:49 +0000

End at: Sat, 01 Jul 2017 14:28:19 +0000

Local clock offset: 3.315 ms

Remote clock offset: -17.839 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 13.563 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 13.556 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 13.568 ms

Loss rate: 0.19%

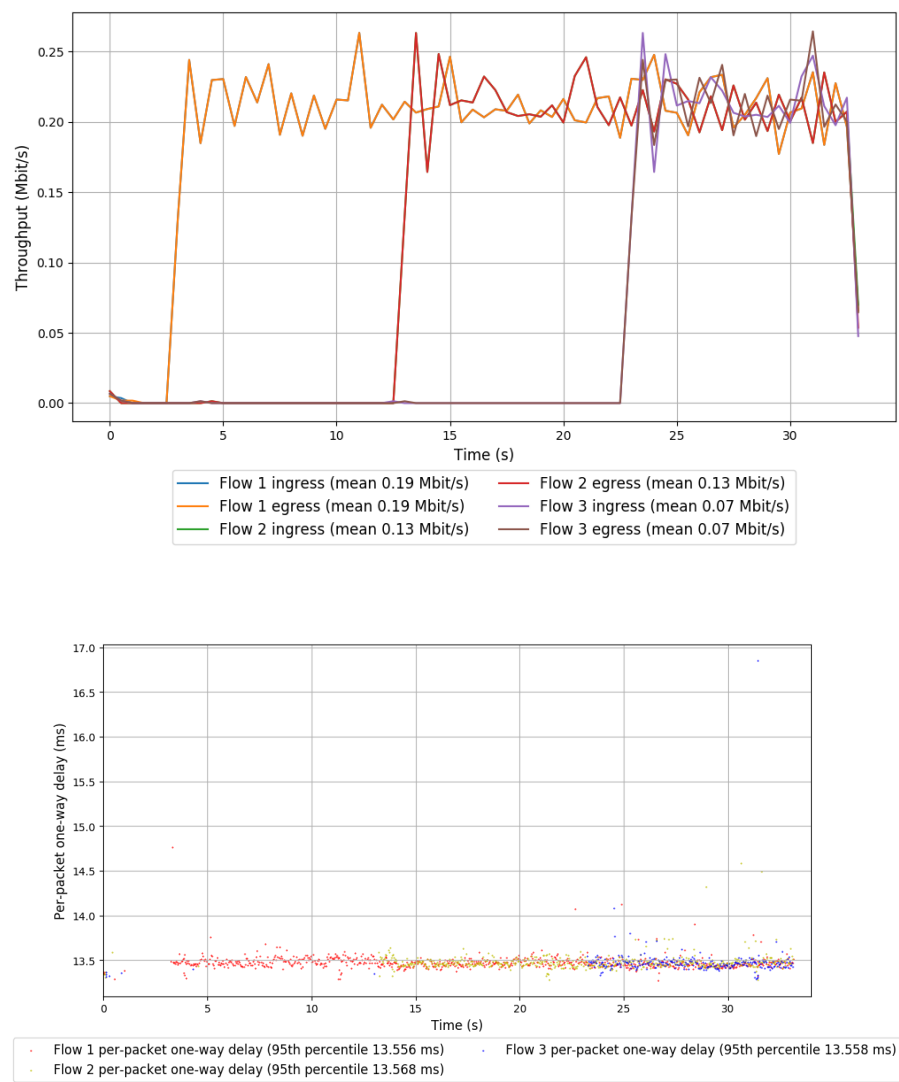
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 13.558 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 14:46:26 +0000

End at: Sat, 01 Jul 2017 14:46:56 +0000

Local clock offset: 2.299 ms

Remote clock offset: -18.334 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 14.955 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 14.955 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 14.948 ms

Loss rate: 0.19%

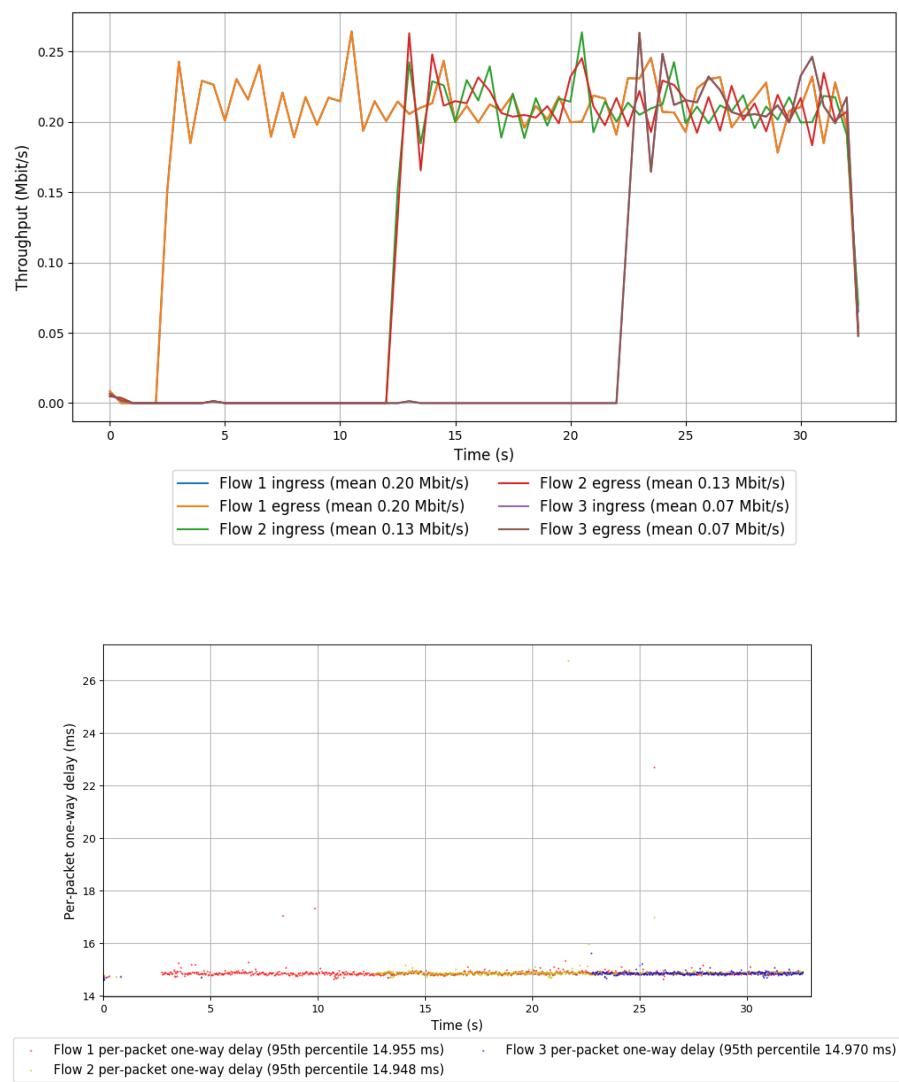
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 14.970 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

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

End at: Sat, 01 Jul 2017 15:05:34 +0000

Local clock offset: 0.93 ms

Remote clock offset: -16.2 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 15.950 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 15.960 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 15.944 ms

Loss rate: 0.00%

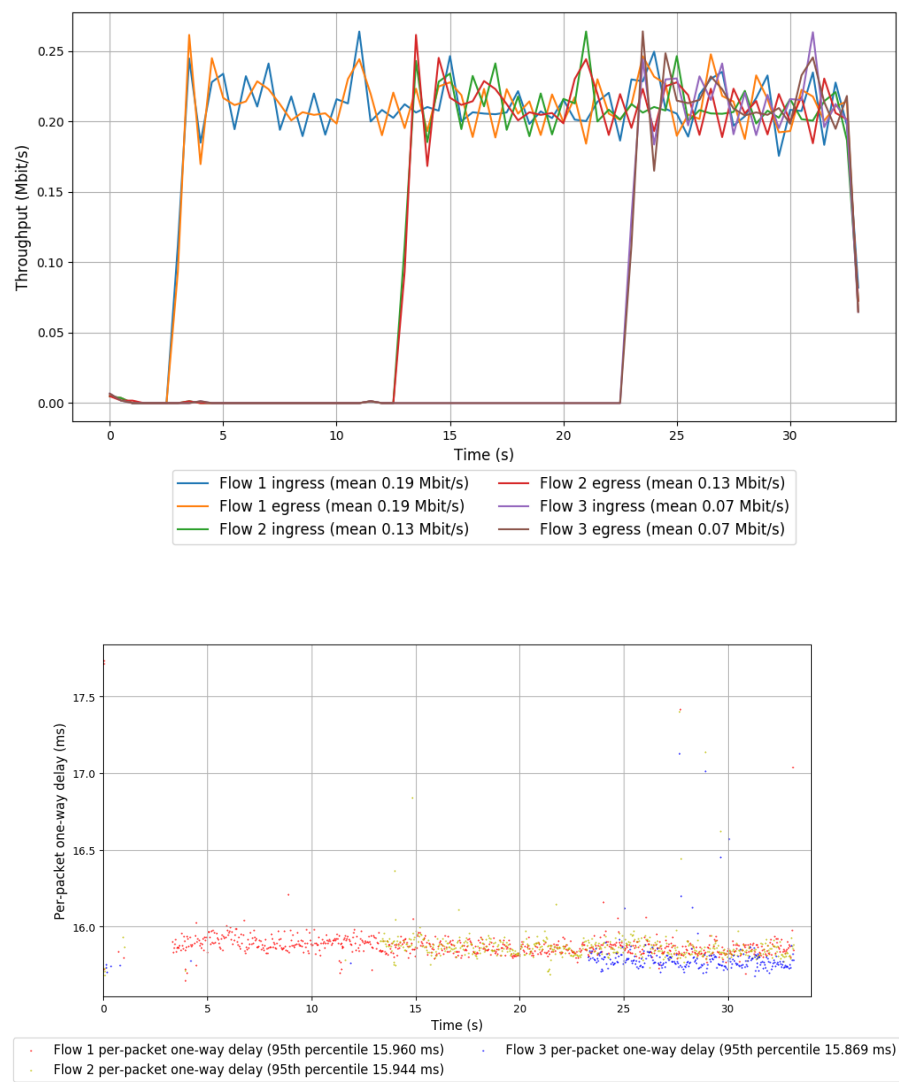
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 15.869 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sat, 01 Jul 2017 12:12:00 +0000

End at: Sat, 01 Jul 2017 12:12:30 +0000

Local clock offset: -2.68 ms

Remote clock offset: -19.654 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.67 Mbit/s

95th percentile per-packet one-way delay: 20.509 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 22.01 Mbit/s

95th percentile per-packet one-way delay: 20.033 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 14.55 Mbit/s

95th percentile per-packet one-way delay: 20.594 ms

Loss rate: 0.22%

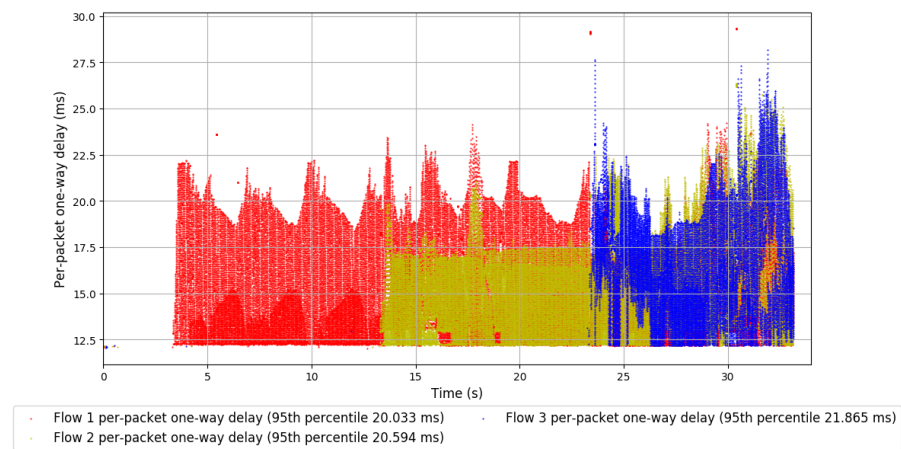
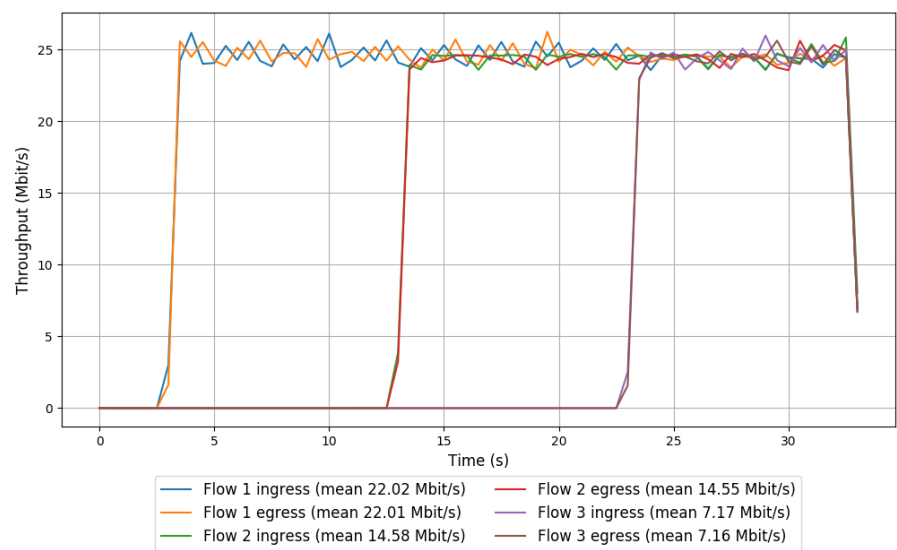
-- Flow 3:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 21.865 ms

Loss rate: 0.23%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sat, 01 Jul 2017 12:30:20 +0000

End at: Sat, 01 Jul 2017 12:30:50 +0000

Local clock offset: -3.119 ms

Remote clock offset: -19.567 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.75 Mbit/s

95th percentile per-packet one-way delay: 20.480 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 21.95 Mbit/s

95th percentile per-packet one-way delay: 19.829 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 14.65 Mbit/s

95th percentile per-packet one-way delay: 19.647 ms

Loss rate: 0.20%

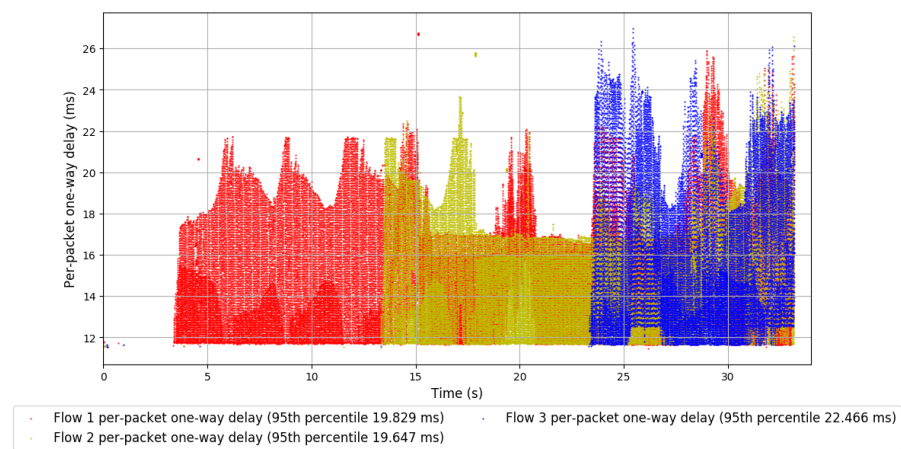
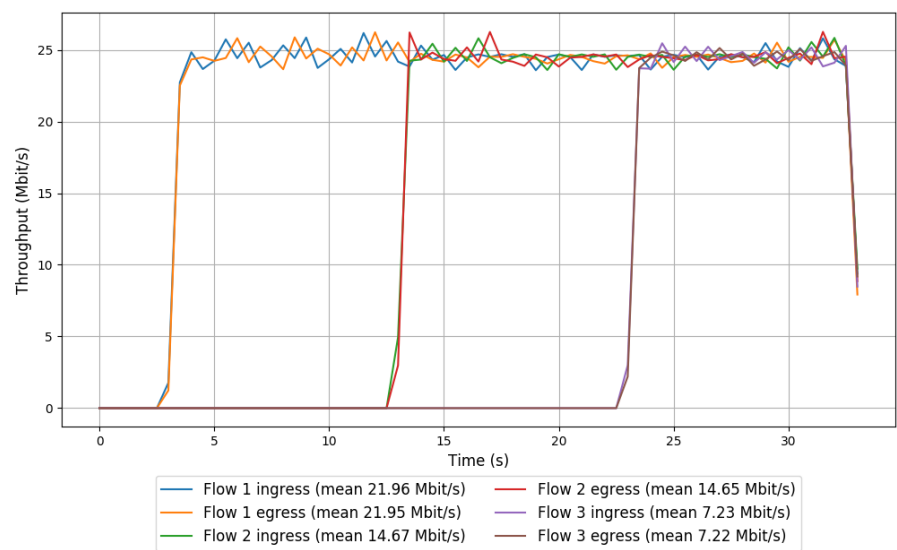
-- Flow 3:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 22.466 ms

Loss rate: 0.24%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sat, 01 Jul 2017 12:48:45 +0000

End at: Sat, 01 Jul 2017 12:49:15 +0000

Local clock offset: 2.086 ms

Remote clock offset: -20.173 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.89 Mbit/s

95th percentile per-packet one-way delay: 18.980 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 22.08 Mbit/s

95th percentile per-packet one-way delay: 19.094 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 14.69 Mbit/s

95th percentile per-packet one-way delay: 18.920 ms

Loss rate: 0.12%

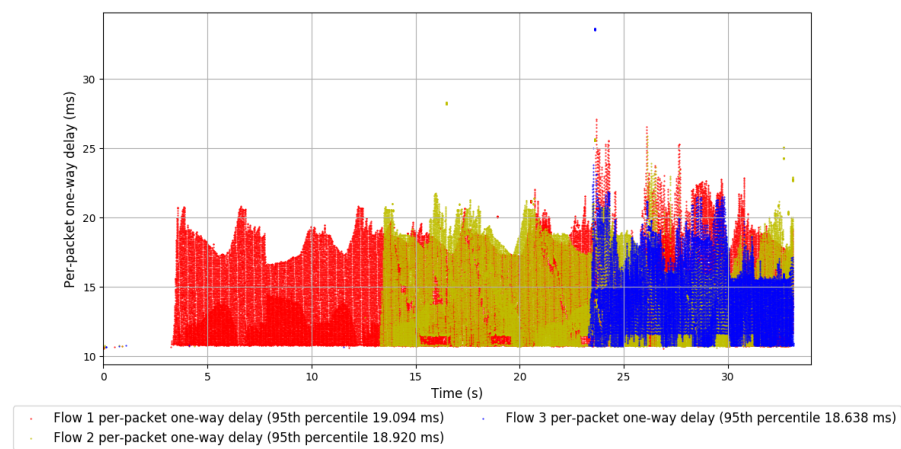
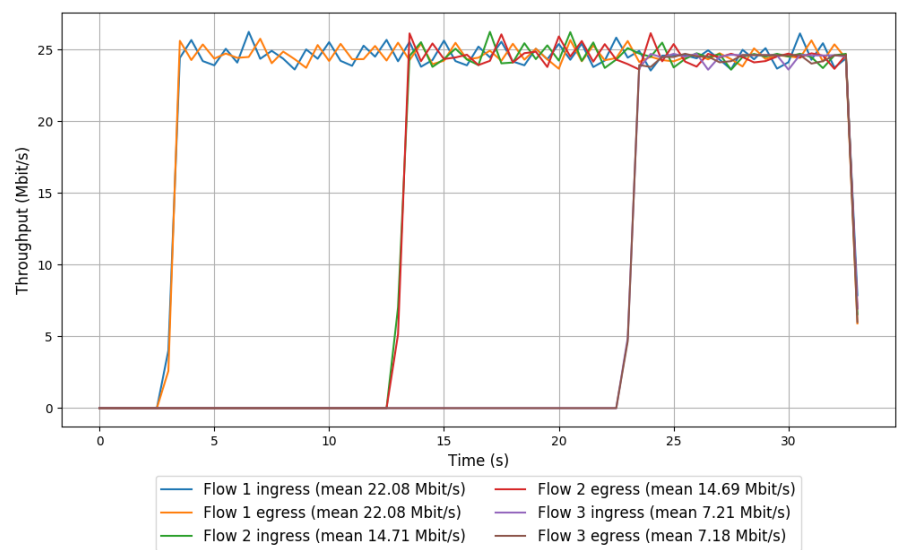
-- Flow 3:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 18.638 ms

Loss rate: 0.39%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sat, 01 Jul 2017 13:06:55 +0000

End at: Sat, 01 Jul 2017 13:07:25 +0000

Local clock offset: 4.013 ms

Remote clock offset: -21.299 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.71 Mbit/s

95th percentile per-packet one-way delay: 18.596 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 21.95 Mbit/s

95th percentile per-packet one-way delay: 17.539 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 14.67 Mbit/s

95th percentile per-packet one-way delay: 20.009 ms

Loss rate: 0.13%

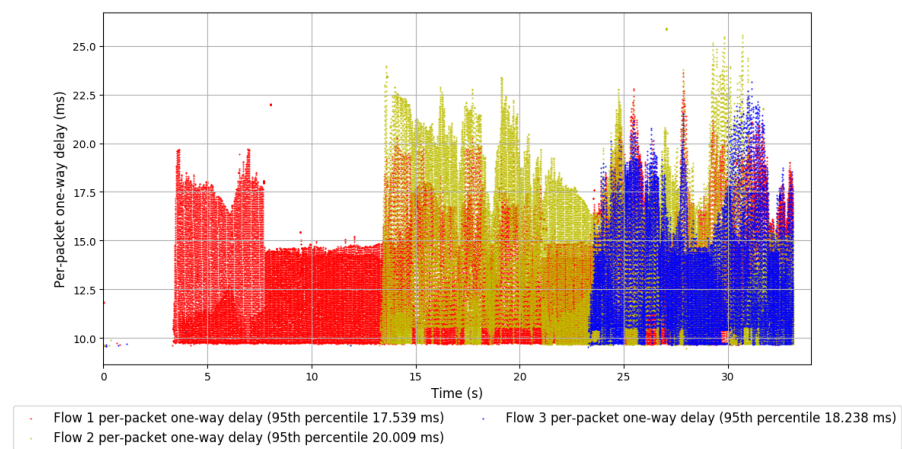
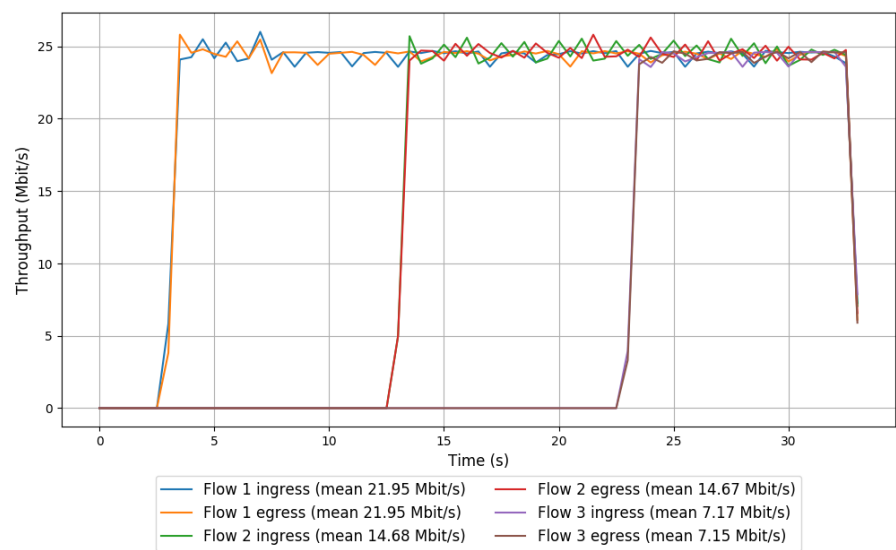
-- Flow 3:

Average throughput: 7.15 Mbit/s

95th percentile per-packet one-way delay: 18.238 ms

Loss rate: 0.42%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sat, 01 Jul 2017 13:25:02 +0000

End at: Sat, 01 Jul 2017 13:25:32 +0000

Local clock offset: 4.366 ms

Remote clock offset: -19.865 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.58 Mbit/s

95th percentile per-packet one-way delay: 19.084 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 21.83 Mbit/s

95th percentile per-packet one-way delay: 17.099 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 14.63 Mbit/s

95th percentile per-packet one-way delay: 20.277 ms

Loss rate: 0.18%

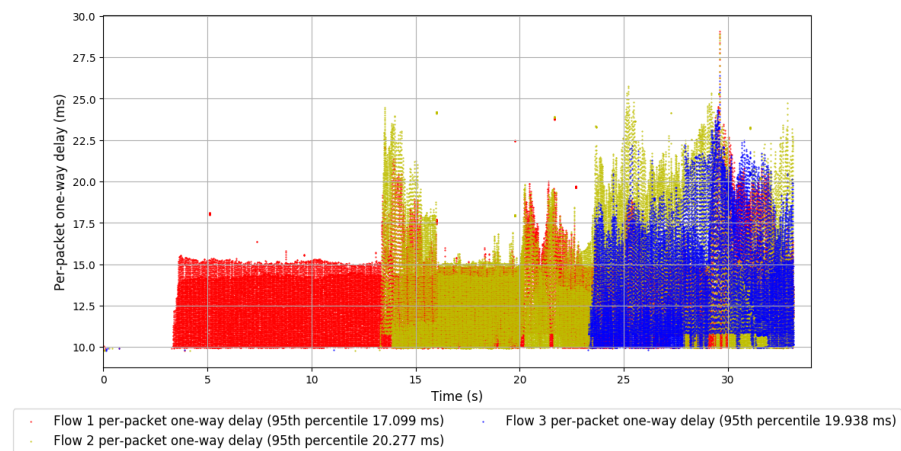
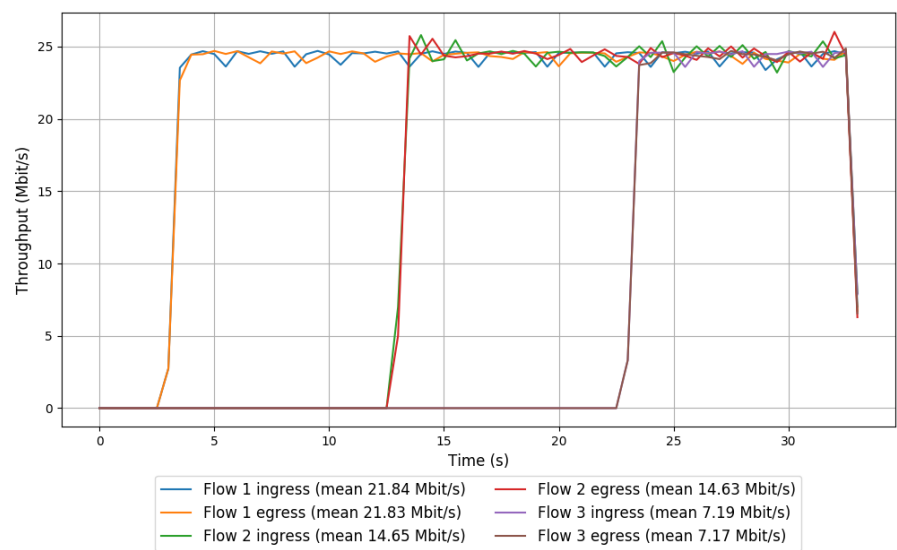
-- Flow 3:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 19.938 ms

Loss rate: 0.30%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sat, 01 Jul 2017 13:43:07 +0000

End at: Sat, 01 Jul 2017 13:43:37 +0000

Local clock offset: 1.292 ms

Remote clock offset: -18.412 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.68 Mbit/s

95th percentile per-packet one-way delay: 20.914 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 22.02 Mbit/s

95th percentile per-packet one-way delay: 20.822 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 14.54 Mbit/s

95th percentile per-packet one-way delay: 20.358 ms

Loss rate: 0.24%

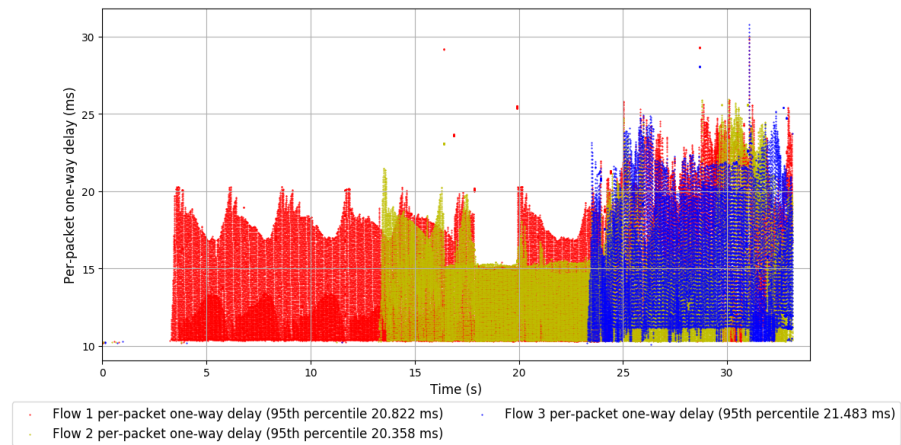
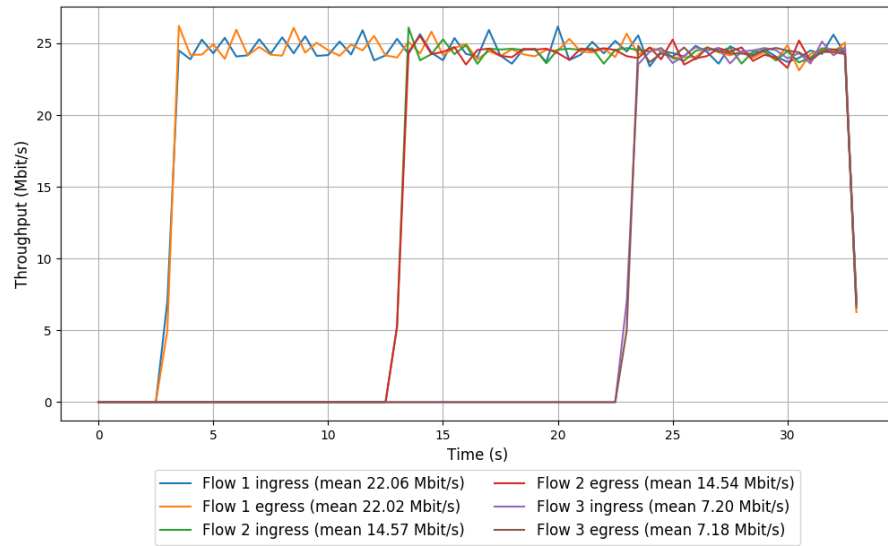
-- Flow 3:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 21.483 ms

Loss rate: 0.38%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

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

End at: Sat, 01 Jul 2017 14:01:57 +0000

Local clock offset: 2.722 ms

Remote clock offset: -18.289 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.69 Mbit/s

95th percentile per-packet one-way delay: 20.729 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 21.97 Mbit/s

95th percentile per-packet one-way delay: 20.290 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 14.55 Mbit/s

95th percentile per-packet one-way delay: 20.673 ms

Loss rate: 0.16%

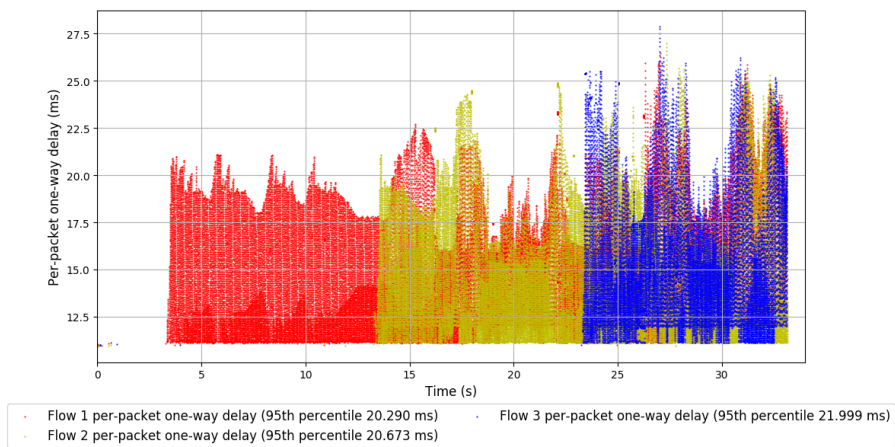
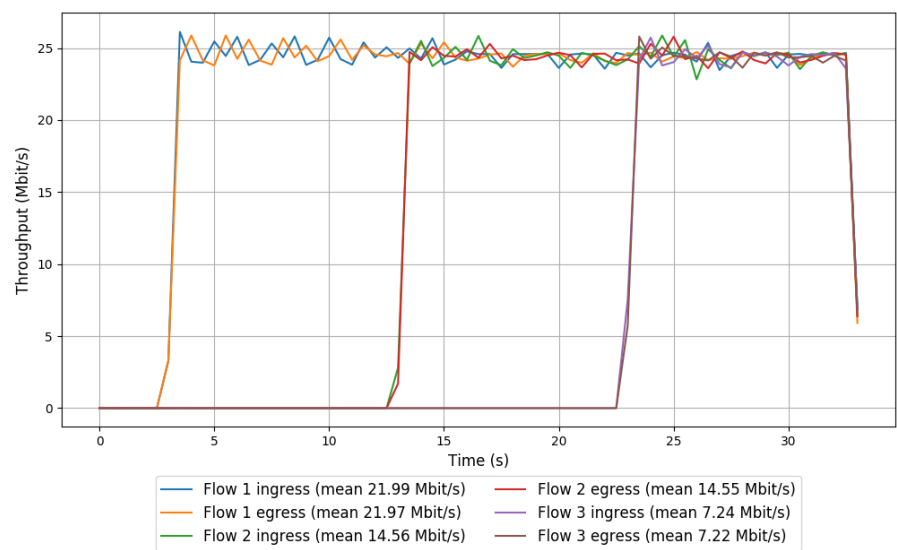
-- Flow 3:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 21.999 ms

Loss rate: 0.25%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sat, 01 Jul 2017 14:19:27 +0000

End at: Sat, 01 Jul 2017 14:19:57 +0000

Local clock offset: 2.974 ms

Remote clock offset: -17.555 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.66 Mbit/s

95th percentile per-packet one-way delay: 23.131 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 21.92 Mbit/s

95th percentile per-packet one-way delay: 22.344 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 23.399 ms

Loss rate: 0.09%

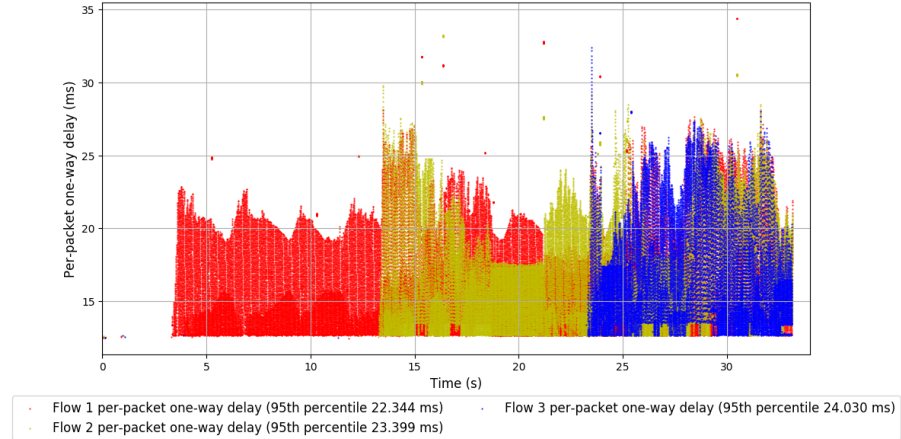
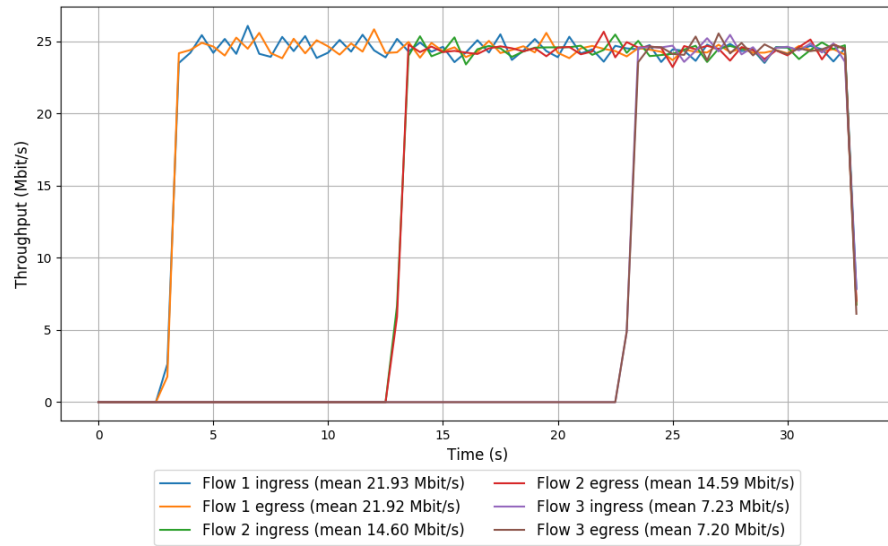
-- Flow 3:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 24.030 ms

Loss rate: 0.41%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sat, 01 Jul 2017 14:37:47 +0000

End at: Sat, 01 Jul 2017 14:38:17 +0000

Local clock offset: -0.122 ms

Remote clock offset: -17.144 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.94 Mbit/s

95th percentile per-packet one-way delay: 23.688 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 22.06 Mbit/s

95th percentile per-packet one-way delay: 22.995 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 14.71 Mbit/s

95th percentile per-packet one-way delay: 23.880 ms

Loss rate: 0.13%

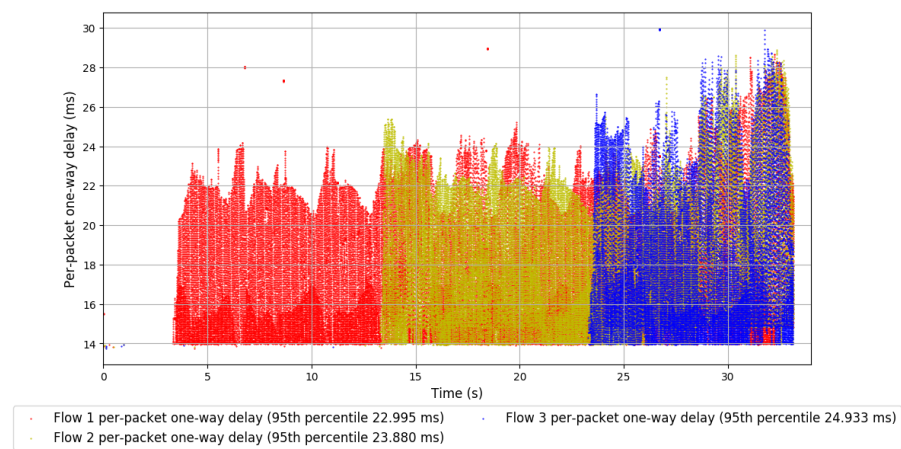
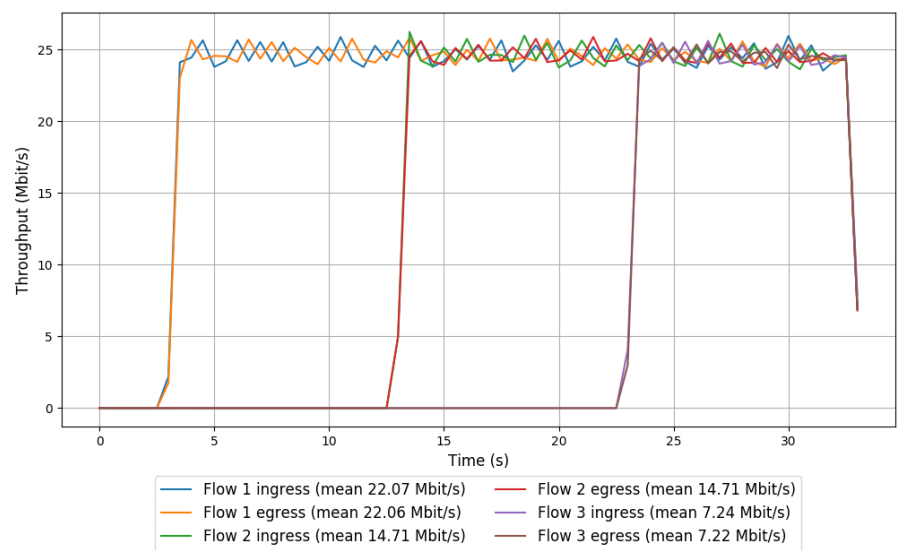
-- Flow 3:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 24.933 ms

Loss rate: 0.41%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sat, 01 Jul 2017 14:56:37 +0000

End at: Sat, 01 Jul 2017 14:57:07 +0000

Local clock offset: 1.992 ms

Remote clock offset: -15.51 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:30:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.74 Mbit/s

95th percentile per-packet one-way delay: 25.811 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 21.97 Mbit/s

95th percentile per-packet one-way delay: 25.198 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 26.006 ms

Loss rate: 0.24%

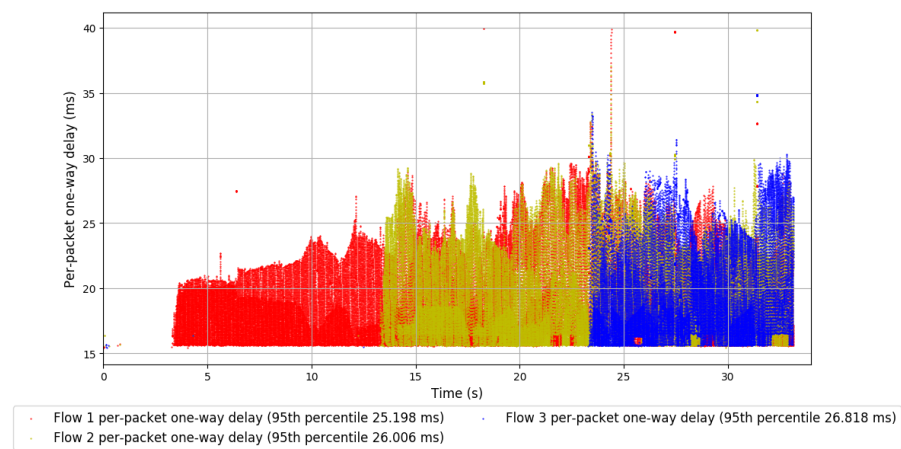
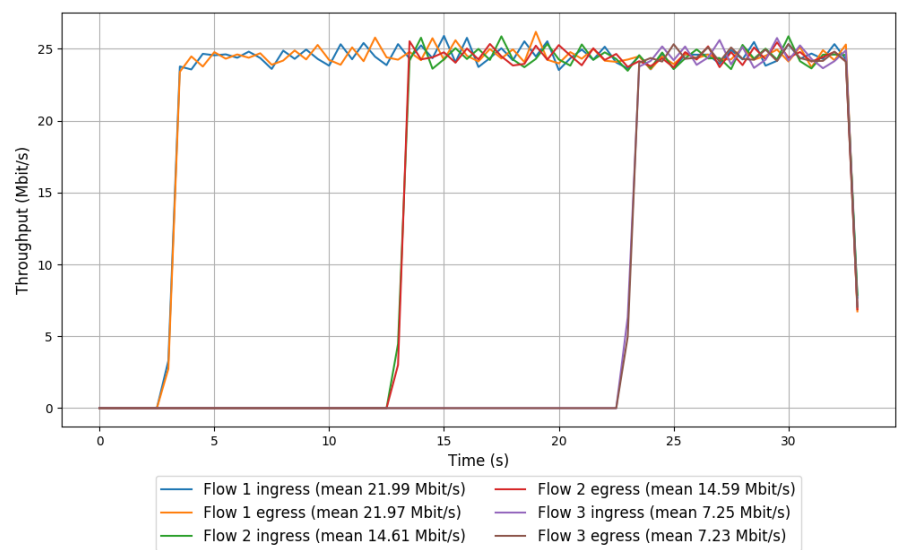
-- Flow 3:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 26.818 ms

Loss rate: 0.31%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 12:25:02 +0000

End at: Sat, 01 Jul 2017 12:25:32 +0000

Local clock offset: -2.152 ms

Remote clock offset: -14.167 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.23 Mbit/s

95th percentile per-packet one-way delay: 49.273 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 49.61 Mbit/s

95th percentile per-packet one-way delay: 48.937 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 21.71 Mbit/s

95th percentile per-packet one-way delay: 50.146 ms

Loss rate: 0.68%

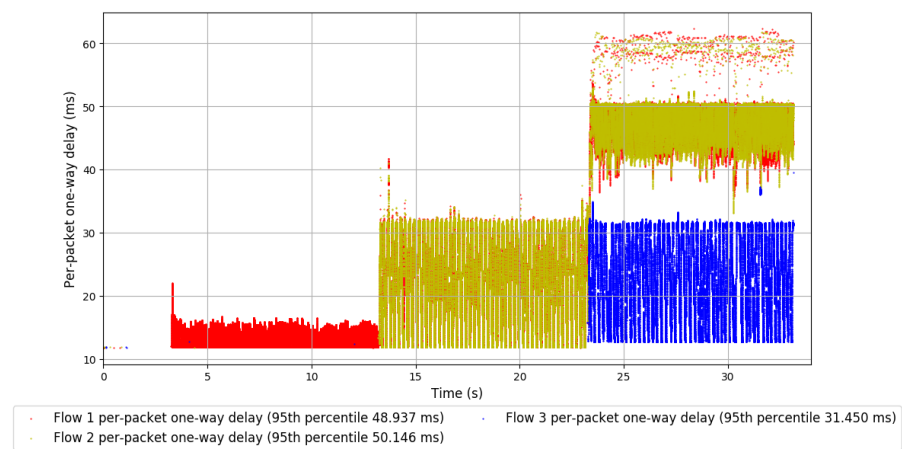
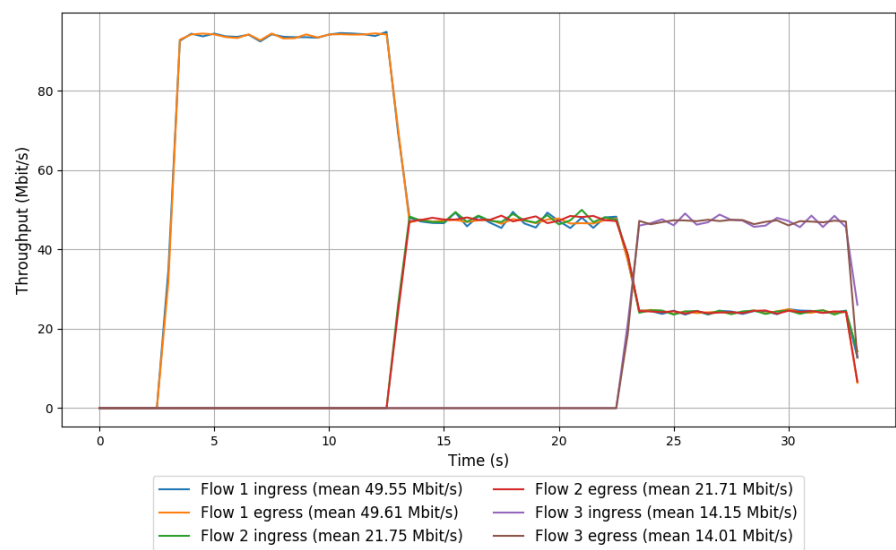
-- Flow 3:

Average throughput: 14.01 Mbit/s

95th percentile per-packet one-way delay: 31.450 ms

Loss rate: 1.58%

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



Run 2: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 12:43:25 +0000

End at: Sat, 01 Jul 2017 12:43:55 +0000

Local clock offset: 1.031 ms

Remote clock offset: -21.006 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 48.158 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 56.11 Mbit/s

95th percentile per-packet one-way delay: 30.529 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 49.302 ms

Loss rate: 0.22%

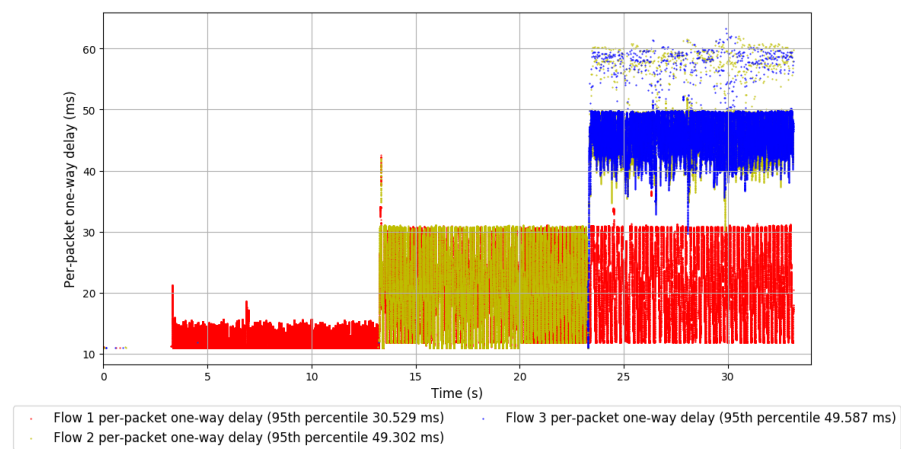
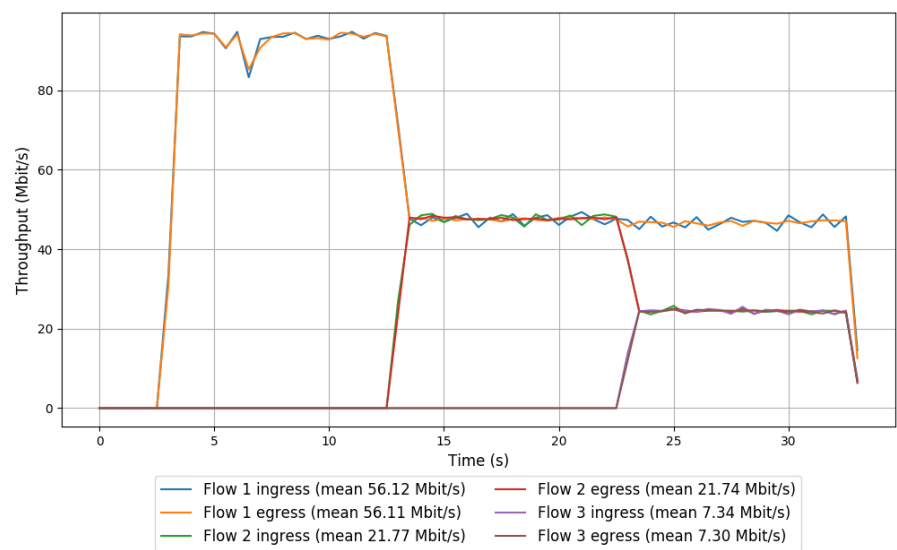
-- Flow 3:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 49.587 ms

Loss rate: 0.59%

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



Run 3: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 13:01:53 +0000

End at: Sat, 01 Jul 2017 13:02:23 +0000

Local clock offset: 3.765 ms

Remote clock offset: -21.215 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:31:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 47.127 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 49.60 Mbit/s

95th percentile per-packet one-way delay: 46.712 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 28.34 Mbit/s

95th percentile per-packet one-way delay: 29.487 ms

Loss rate: 0.39%

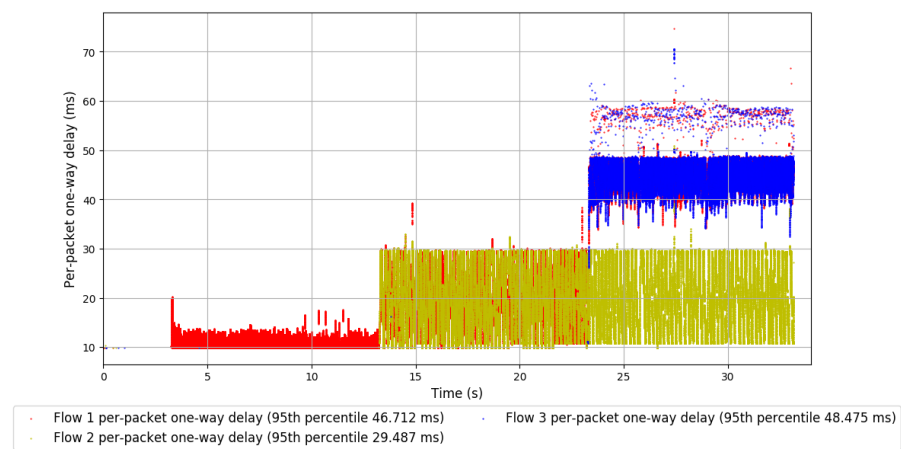
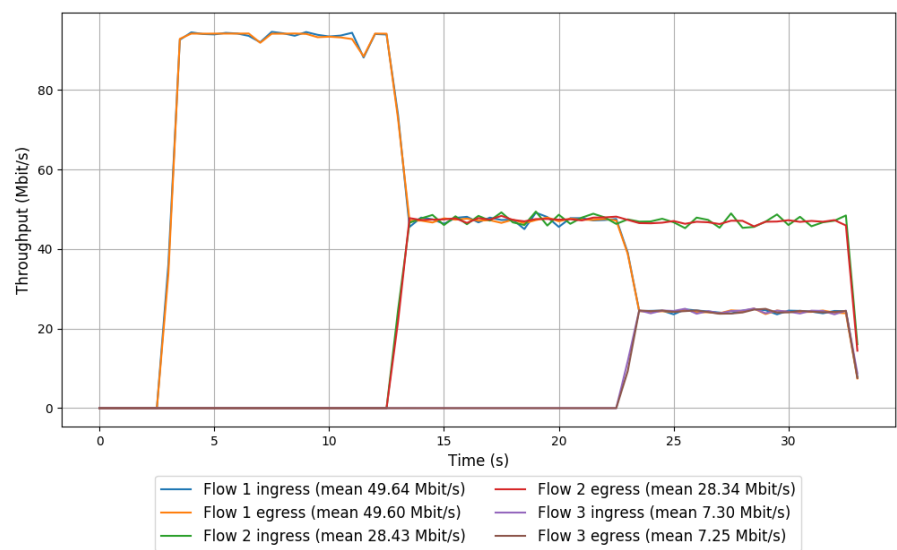
-- Flow 3:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 48.475 ms

Loss rate: 0.79%

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



Run 4: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 13:19:54 +0000

End at: Sat, 01 Jul 2017 13:20:24 +0000

Local clock offset: 3.164 ms

Remote clock offset: -21.145 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:31:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.14 Mbit/s

95th percentile per-packet one-way delay: 46.482 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 56.11 Mbit/s

95th percentile per-packet one-way delay: 29.052 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 21.77 Mbit/s

95th percentile per-packet one-way delay: 47.701 ms

Loss rate: 0.25%

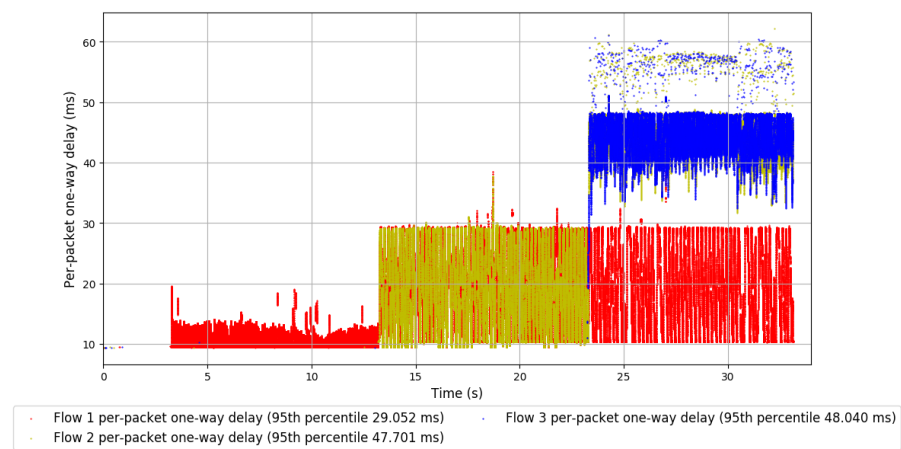
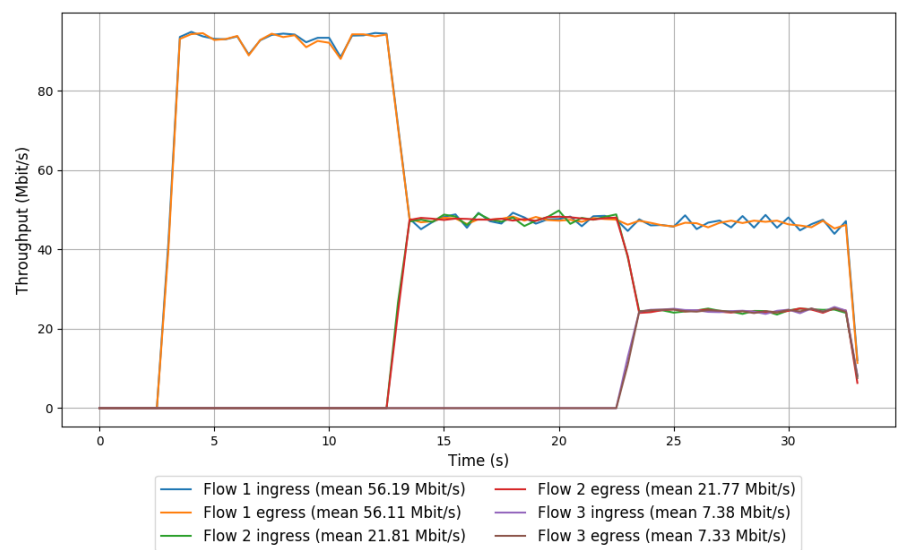
-- Flow 3:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 48.040 ms

Loss rate: 0.69%

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



Run 5: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 13:38:00 +0000

End at: Sat, 01 Jul 2017 13:38:30 +0000

Local clock offset: 2.812 ms

Remote clock offset: -19.403 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:31:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.15 Mbit/s

95th percentile per-packet one-way delay: 47.695 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 56.29 Mbit/s

95th percentile per-packet one-way delay: 29.989 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 21.69 Mbit/s

95th percentile per-packet one-way delay: 48.835 ms

Loss rate: 0.23%

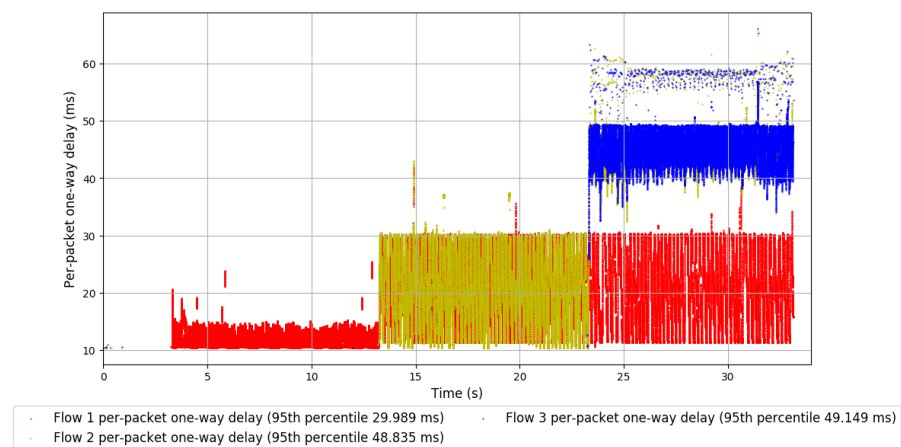
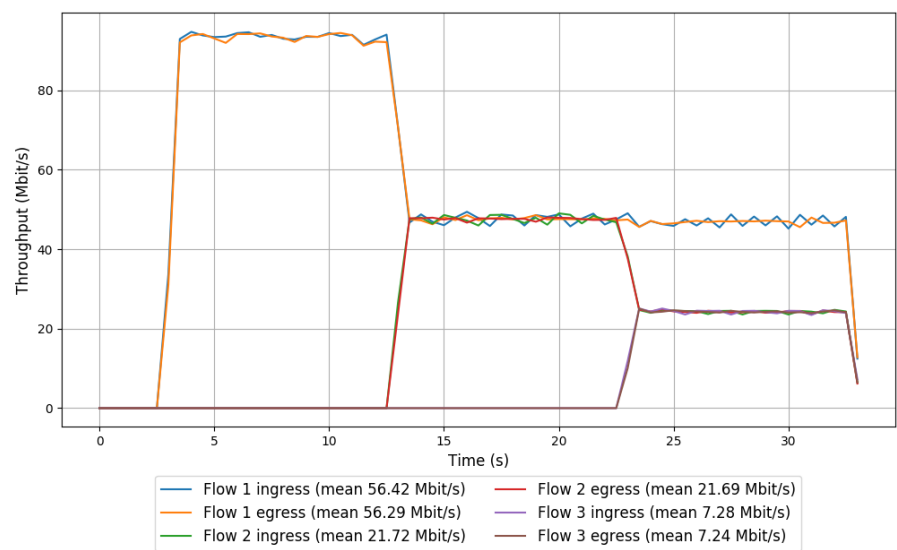
-- Flow 3:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 49.149 ms

Loss rate: 0.60%

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



Run 6: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 13:56:11 +0000

End at: Sat, 01 Jul 2017 13:56:41 +0000

Local clock offset: 3.384 ms

Remote clock offset: -19.468 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:31:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.39 Mbit/s

95th percentile per-packet one-way delay: 47.823 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 49.83 Mbit/s

95th percentile per-packet one-way delay: 47.397 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 28.36 Mbit/s

95th percentile per-packet one-way delay: 30.396 ms

Loss rate: 0.25%

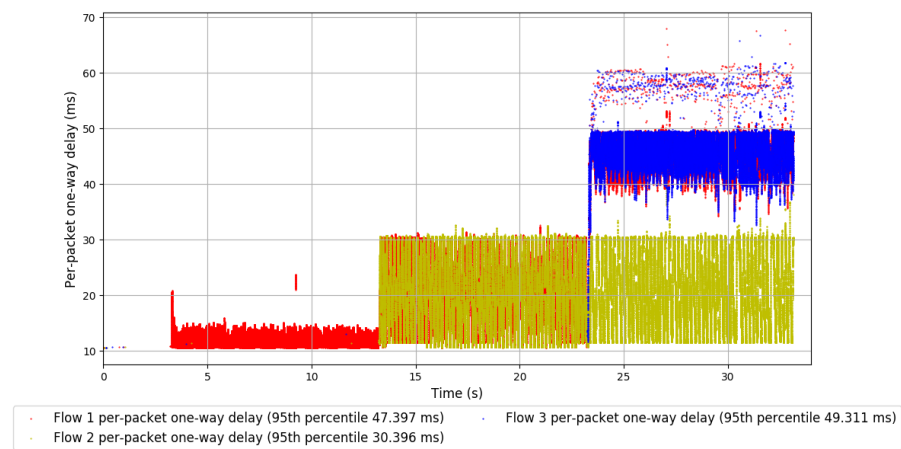
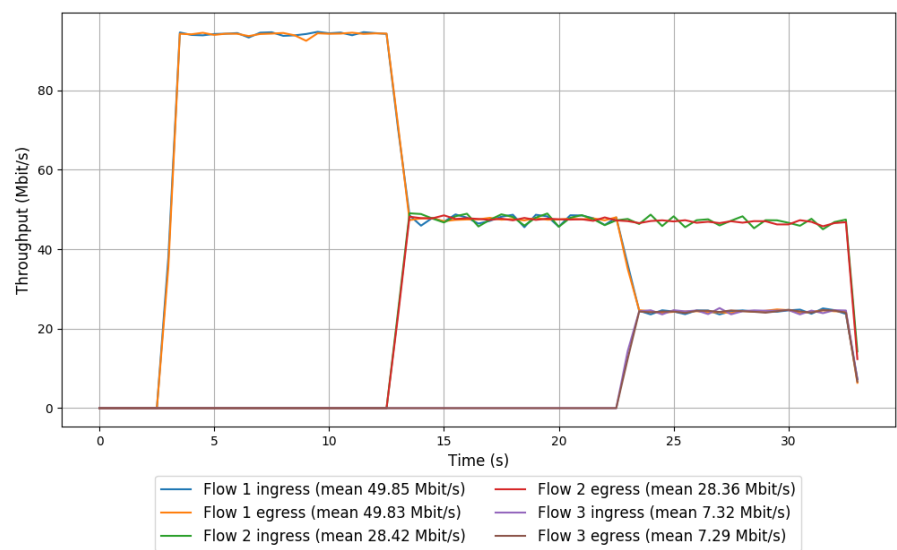
-- Flow 3:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 49.311 ms

Loss rate: 0.63%

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



Run 7: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 14:14:21 +0000

End at: Sat, 01 Jul 2017 14:14:51 +0000

Local clock offset: 3.624 ms

Remote clock offset: -18.179 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:32:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.24 Mbit/s

95th percentile per-packet one-way delay: 41.698 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 51.87 Mbit/s

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

Loss rate: 0.31%

-- Flow 2:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 41.829 ms

Loss rate: 0.32%

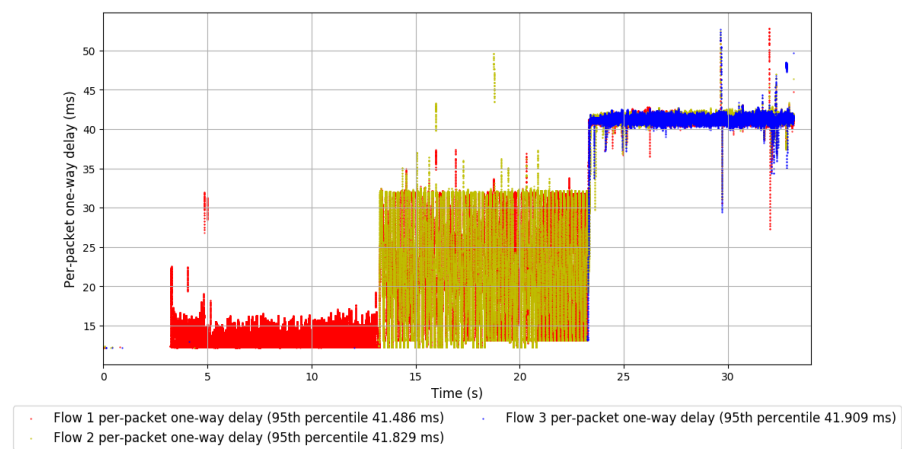
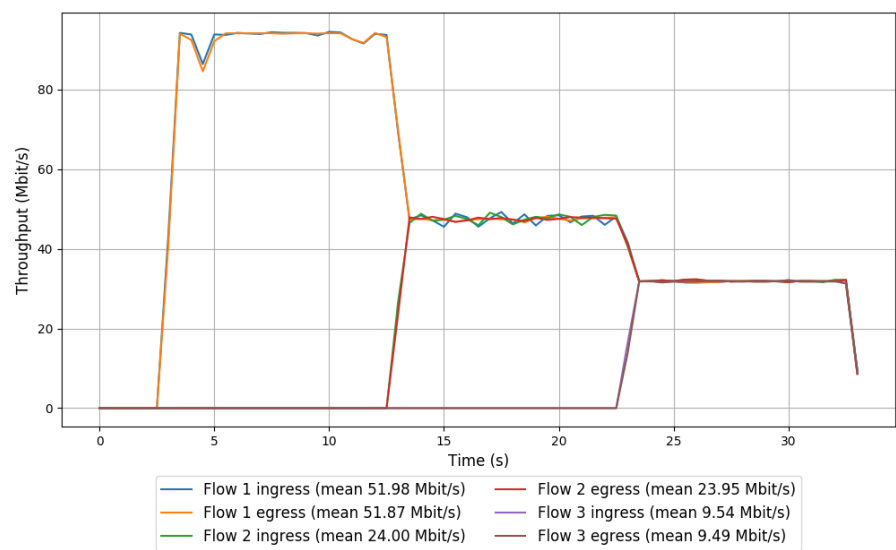
-- Flow 3:

Average throughput: 9.49 Mbit/s

95th percentile per-packet one-way delay: 41.909 ms

Loss rate: 0.54%

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



Run 8: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 14:32:33 +0000

End at: Sat, 01 Jul 2017 14:33:03 +0000

Local clock offset: 1.241 ms

Remote clock offset: -17.565 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:32:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.80 Mbit/s

95th percentile per-packet one-way delay: 42.969 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 51.50 Mbit/s

95th percentile per-packet one-way delay: 42.803 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 23.87 Mbit/s

95th percentile per-packet one-way delay: 43.057 ms

Loss rate: 0.37%

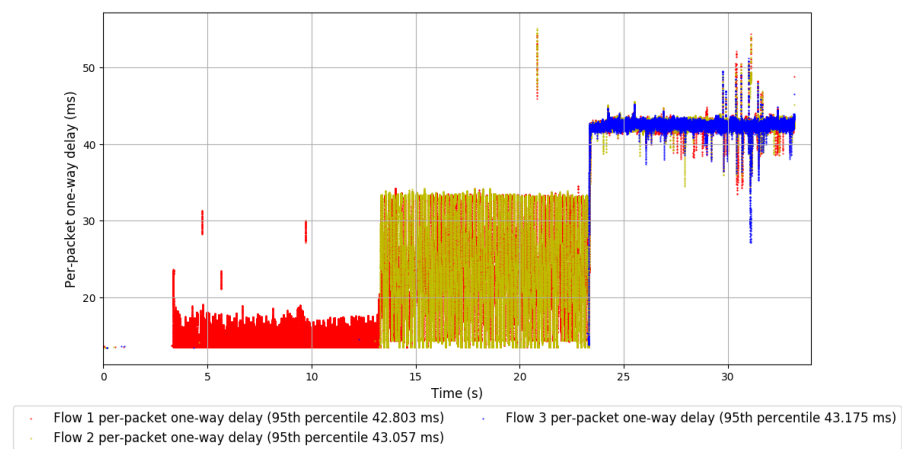
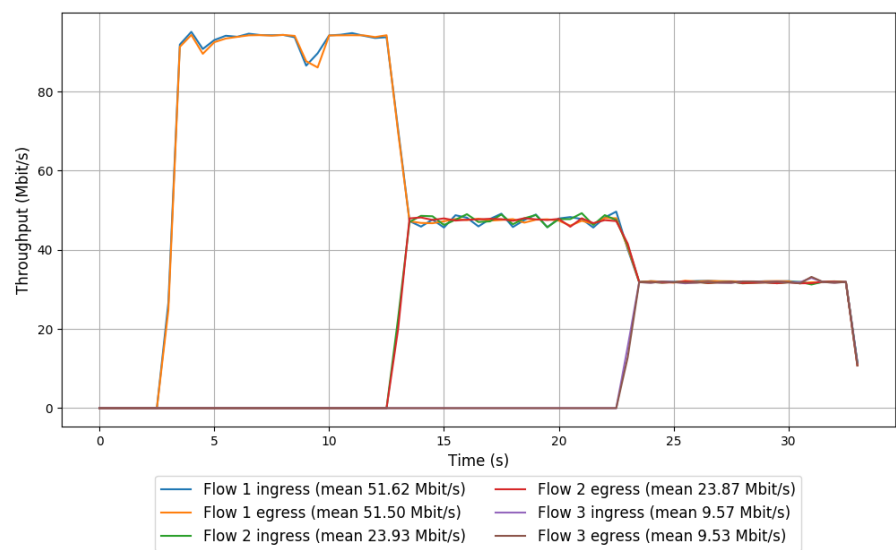
-- Flow 3:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 43.175 ms

Loss rate: 0.54%

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



Run 9: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 14:51:15 +0000

End at: Sat, 01 Jul 2017 14:51:45 +0000

Local clock offset: 1.289 ms

Remote clock offset: -18.085 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:32:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 44.719 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 51.79 Mbit/s

95th percentile per-packet one-way delay: 44.565 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 23.94 Mbit/s

95th percentile per-packet one-way delay: 44.768 ms

Loss rate: 0.22%

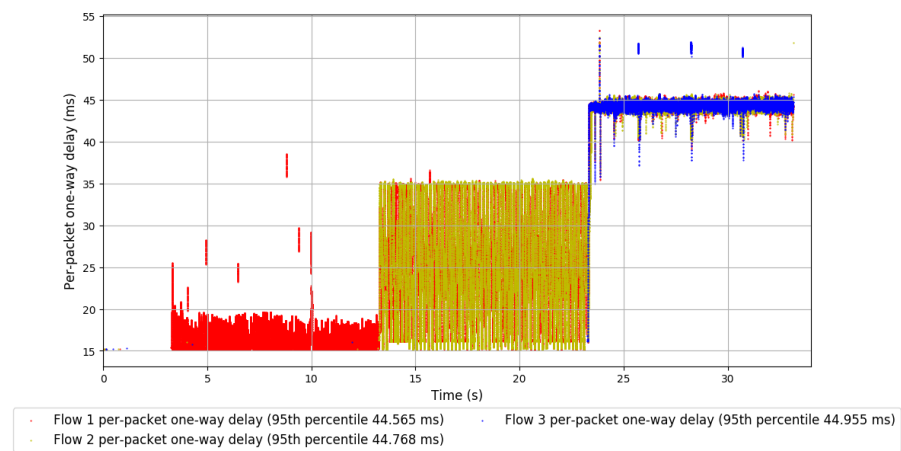
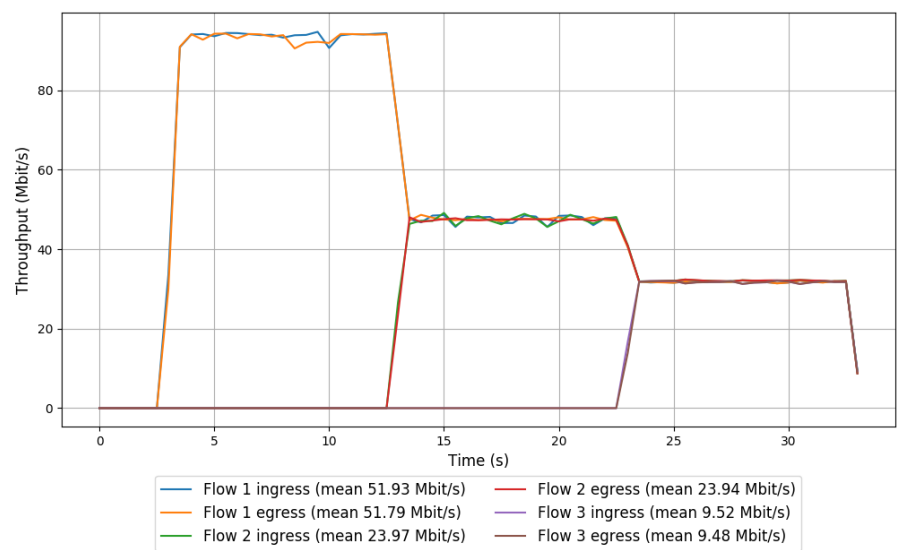
-- Flow 3:

Average throughput: 9.48 Mbit/s

95th percentile per-packet one-way delay: 44.955 ms

Loss rate: 0.54%

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



Run 10: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 15:09:41 +0000

End at: Sat, 01 Jul 2017 15:10:11 +0000

Local clock offset: 0.943 ms

Remote clock offset: -18.413 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:32:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 53.074 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 56.22 Mbit/s

95th percentile per-packet one-way delay: 35.225 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 21.70 Mbit/s

95th percentile per-packet one-way delay: 53.963 ms

Loss rate: 0.31%

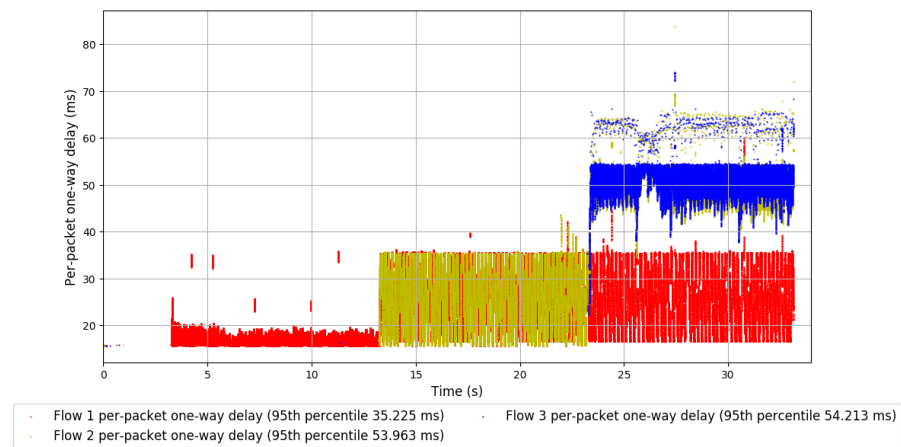
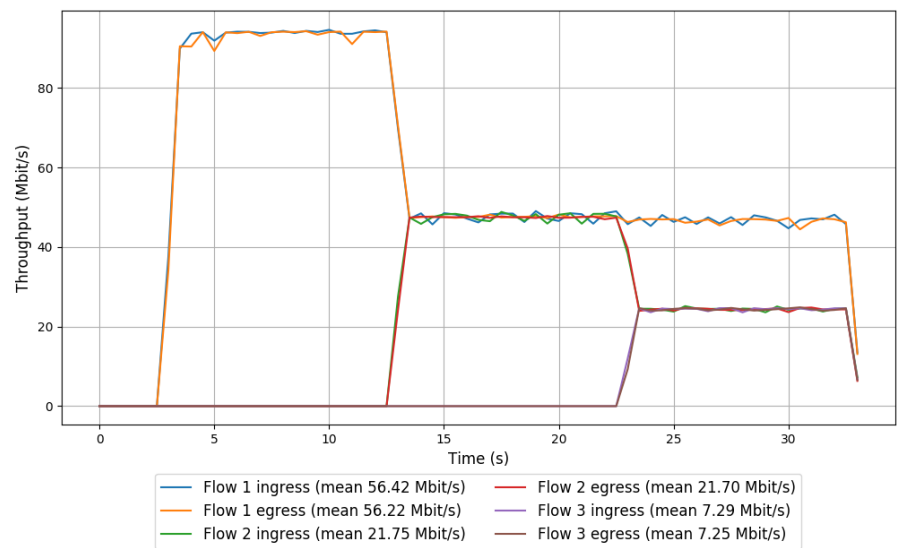
-- Flow 3:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 54.213 ms

Loss rate: 0.65%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 12:13:09 +0000

End at: Sat, 01 Jul 2017 12:13:39 +0000

Local clock offset: -0.223 ms

Remote clock offset: -17.745 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:32:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.51 Mbit/s

95th percentile per-packet one-way delay: 35.745 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 48.00 Mbit/s

95th percentile per-packet one-way delay: 24.279 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 21.06 Mbit/s

95th percentile per-packet one-way delay: 24.695 ms

Loss rate: 0.23%

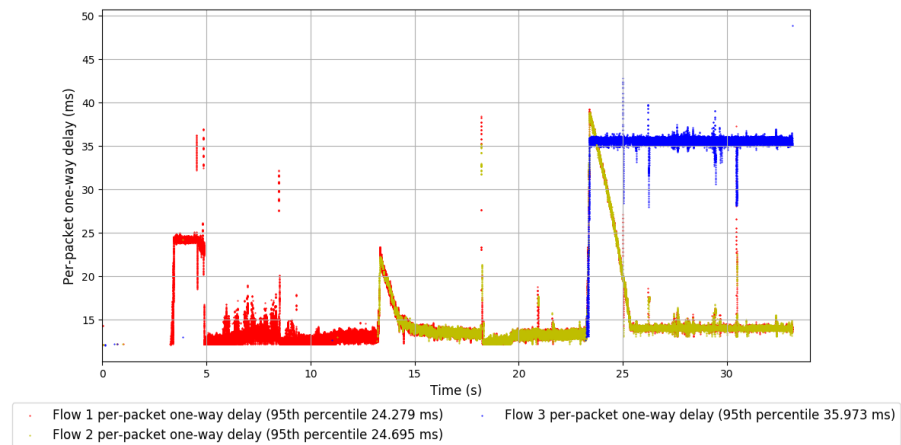
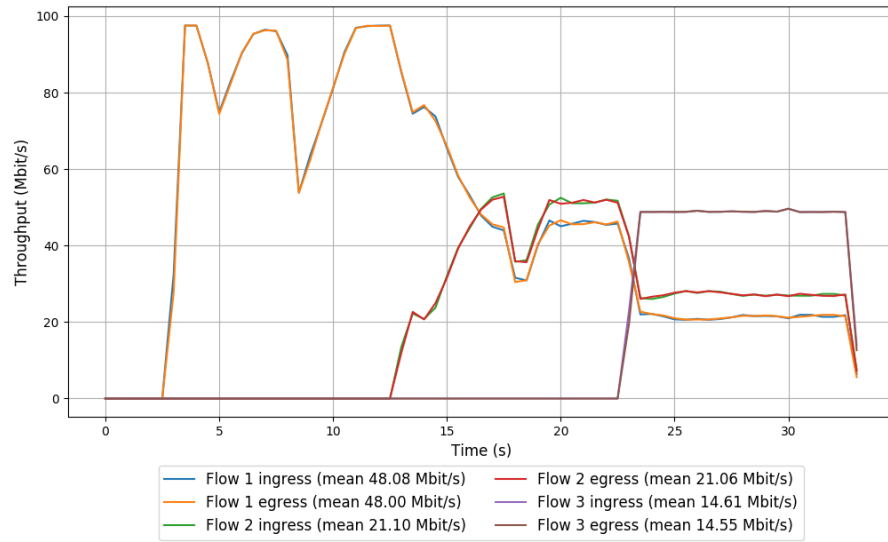
-- Flow 3:

Average throughput: 14.55 Mbit/s

95th percentile per-packet one-way delay: 35.973 ms

Loss rate: 0.49%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 12:31:28 +0000

End at: Sat, 01 Jul 2017 12:31:58 +0000

Local clock offset: -0.473 ms

Remote clock offset: -20.474 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:32:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.43 Mbit/s

95th percentile per-packet one-way delay: 23.627 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 54.48 Mbit/s

95th percentile per-packet one-way delay: 23.717 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 19.44 Mbit/s

95th percentile per-packet one-way delay: 15.310 ms

Loss rate: 0.12%

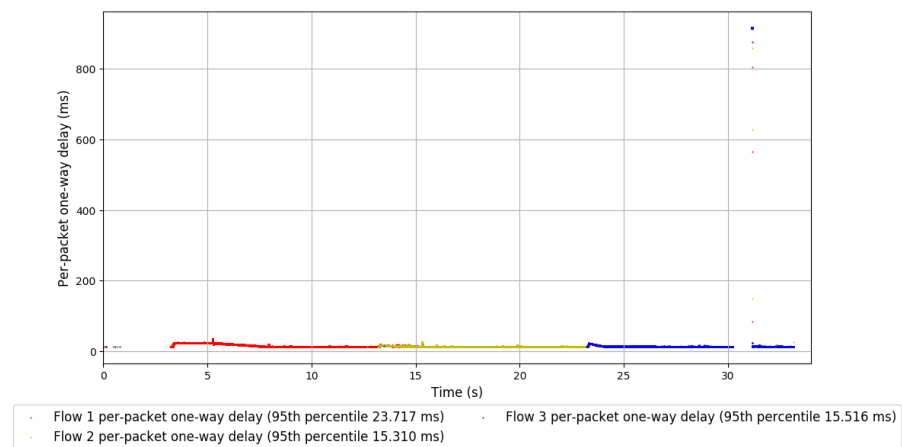
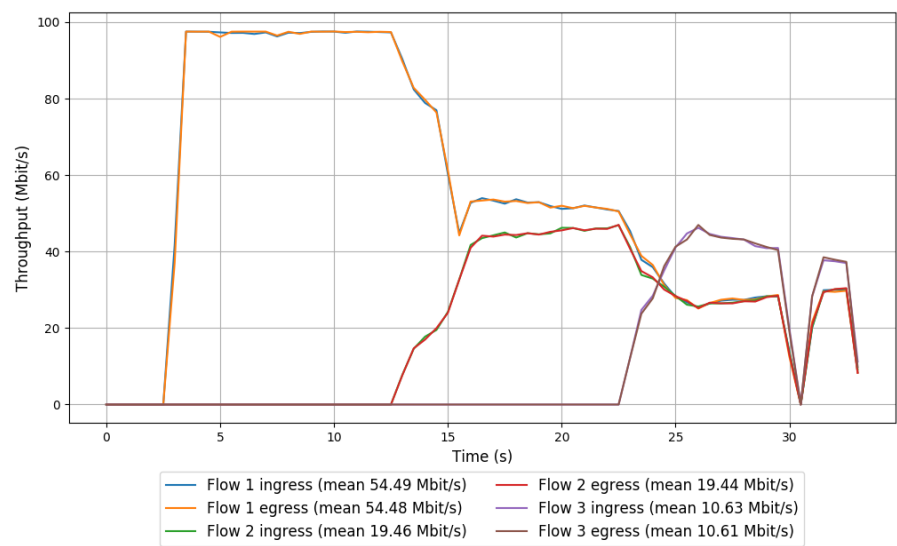
-- Flow 3:

Average throughput: 10.61 Mbit/s

95th percentile per-packet one-way delay: 15.516 ms

Loss rate: 0.28%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 12:49:53 +0000

End at: Sat, 01 Jul 2017 12:50:23 +0000

Local clock offset: 1.587 ms

Remote clock offset: -19.633 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:32:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.09 Mbit/s

95th percentile per-packet one-way delay: 23.000 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 52.42 Mbit/s

95th percentile per-packet one-way delay: 23.004 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 22.64 Mbit/s

95th percentile per-packet one-way delay: 21.238 ms

Loss rate: 0.14%

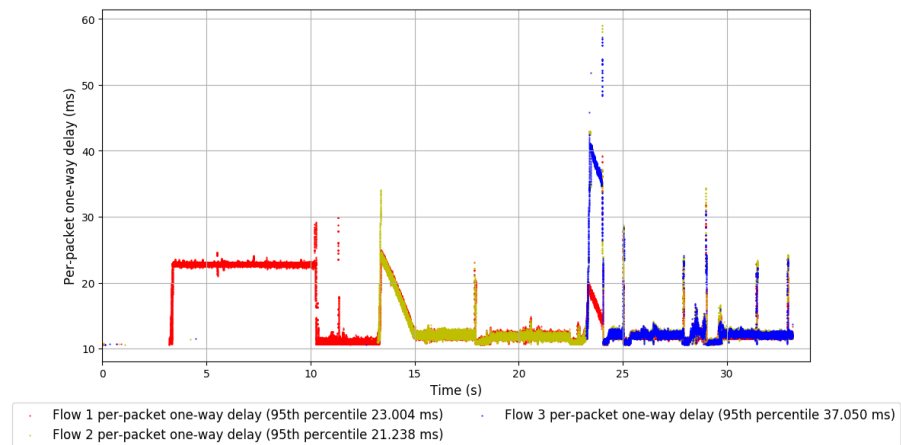
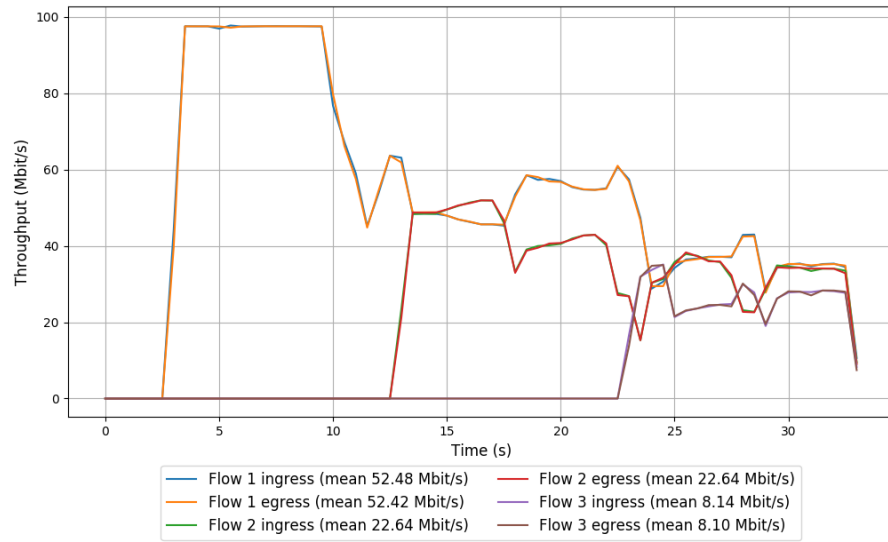
-- Flow 3:

Average throughput: 8.10 Mbit/s

95th percentile per-packet one-way delay: 37.050 ms

Loss rate: 0.56%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 13:08:03 +0000

End at: Sat, 01 Jul 2017 13:08:33 +0000

Local clock offset: 3.486 ms

Remote clock offset: -19.983 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.42 Mbit/s

95th percentile per-packet one-way delay: 21.796 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 52.70 Mbit/s

95th percentile per-packet one-way delay: 21.832 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 19.25 Mbit/s

95th percentile per-packet one-way delay: 11.903 ms

Loss rate: 0.13%

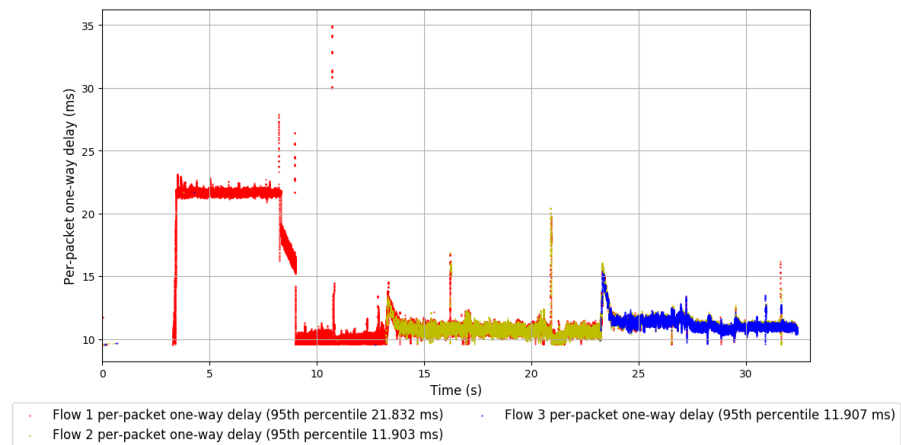
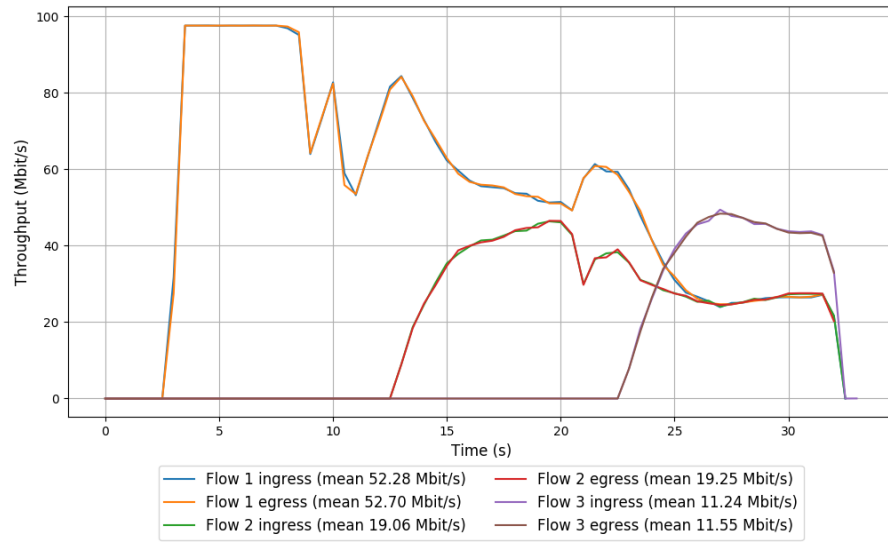
-- Flow 3:

Average throughput: 11.55 Mbit/s

95th percentile per-packet one-way delay: 11.907 ms

Loss rate: 0.27%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 13:26:10 +0000

End at: Sat, 01 Jul 2017 13:26:40 +0000

Local clock offset: 3.074 ms

Remote clock offset: -19.037 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.74 Mbit/s

95th percentile per-packet one-way delay: 44.897 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 44.70 Mbit/s

95th percentile per-packet one-way delay: 22.231 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 27.36 Mbit/s

95th percentile per-packet one-way delay: 28.128 ms

Loss rate: 0.15%

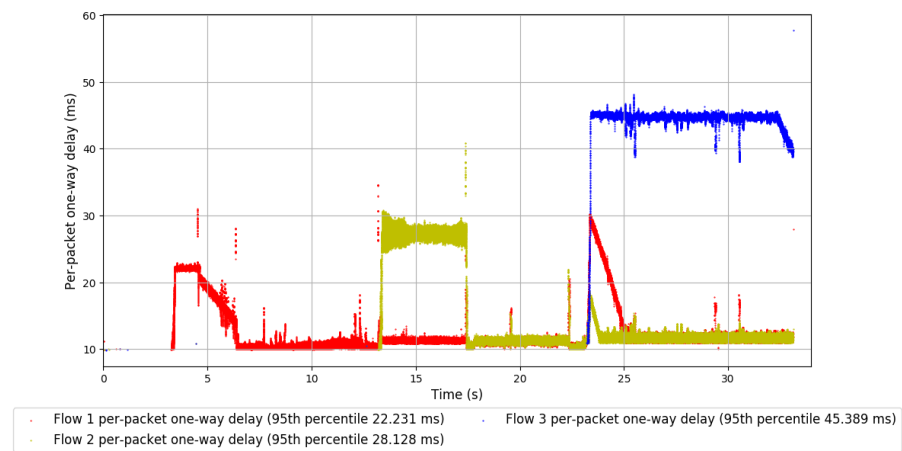
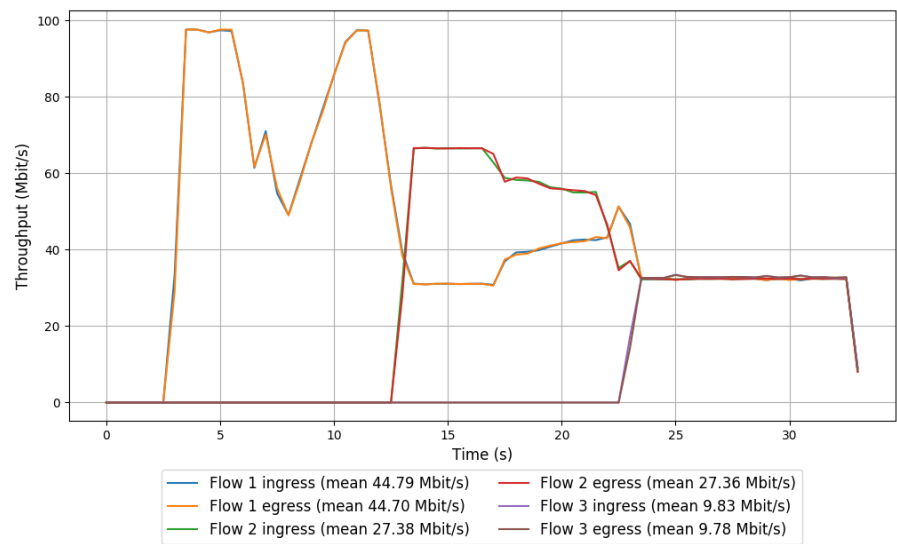
-- Flow 3:

Average throughput: 9.78 Mbit/s

95th percentile per-packet one-way delay: 45.389 ms

Loss rate: 0.54%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 13:44:16 +0000

End at: Sat, 01 Jul 2017 13:44:46 +0000

Local clock offset: 0.883 ms

Remote clock offset: -19.538 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.68 Mbit/s

95th percentile per-packet one-way delay: 23.118 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 22.224 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 36.12 Mbit/s

95th percentile per-packet one-way delay: 23.545 ms

Loss rate: 0.16%

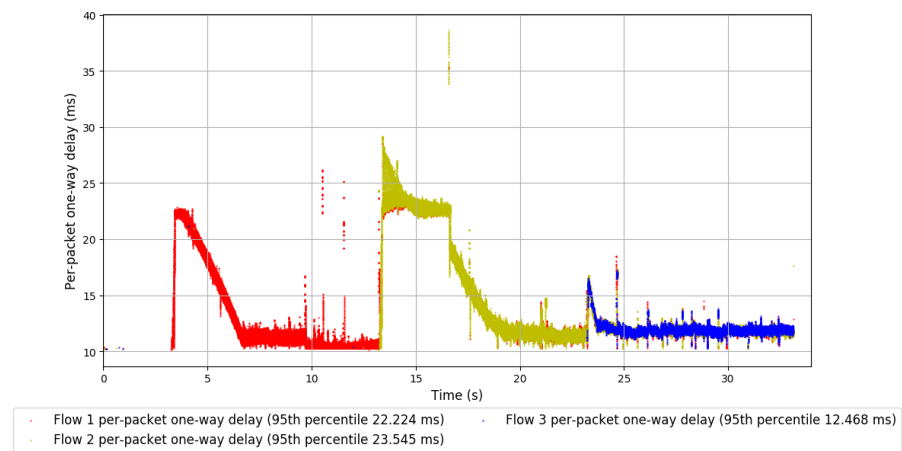
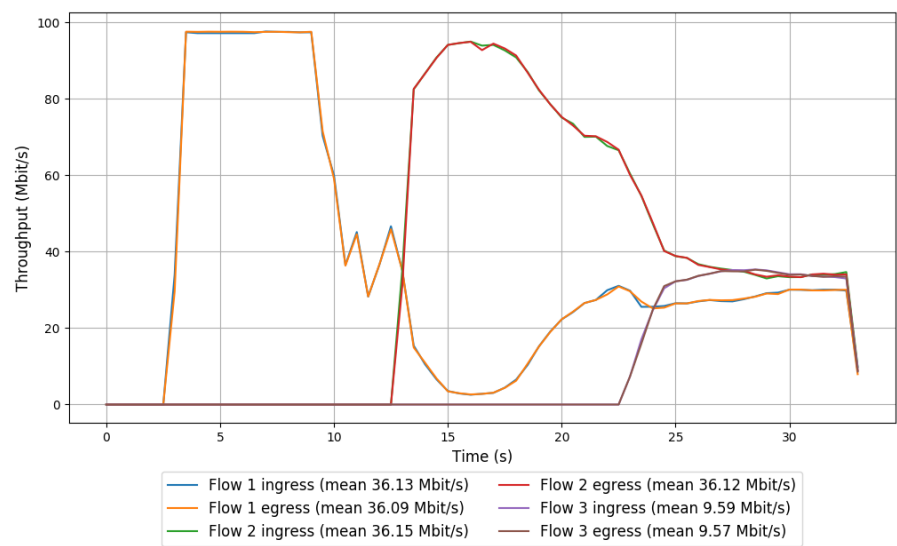
-- Flow 3:

Average throughput: 9.57 Mbit/s

95th percentile per-packet one-way delay: 12.468 ms

Loss rate: 0.28%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 14:02:35 +0000

End at: Sat, 01 Jul 2017 14:03:05 +0000

Local clock offset: 1.057 ms

Remote clock offset: -17.998 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.58 Mbit/s

95th percentile per-packet one-way delay: 34.950 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 46.53 Mbit/s

95th percentile per-packet one-way delay: 30.186 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 24.33 Mbit/s

95th percentile per-packet one-way delay: 35.061 ms

Loss rate: 0.15%

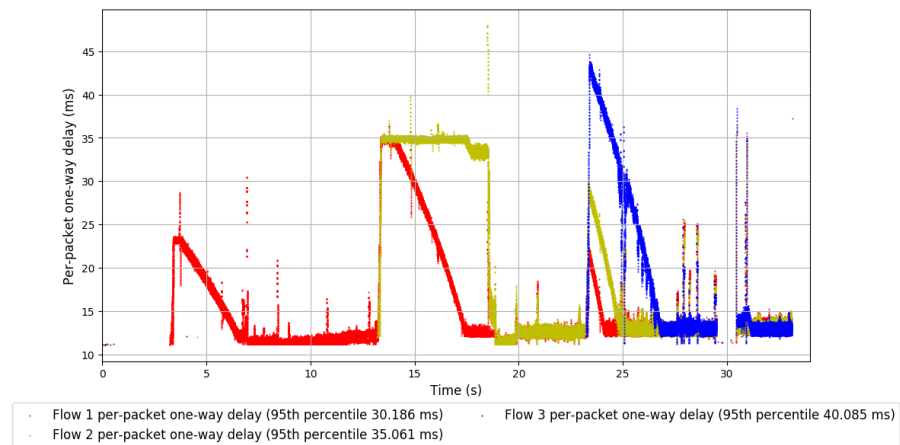
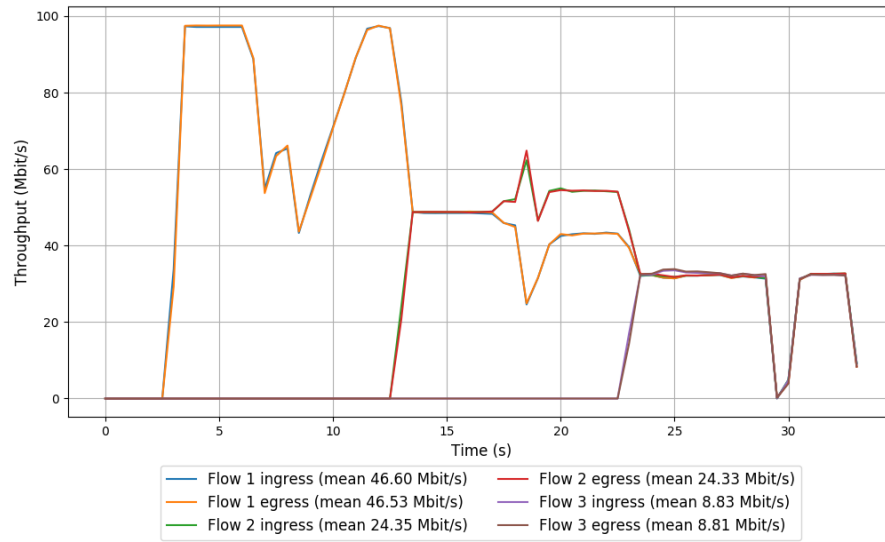
-- Flow 3:

Average throughput: 8.81 Mbit/s

95th percentile per-packet one-way delay: 40.085 ms

Loss rate: 0.27%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 14:20:35 +0000

End at: Sat, 01 Jul 2017 14:21:05 +0000

Local clock offset: 1.475 ms

Remote clock offset: -17.615 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.13 Mbit/s

95th percentile per-packet one-way delay: 36.176 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: 25.030 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 29.43 Mbit/s

95th percentile per-packet one-way delay: 28.750 ms

Loss rate: 0.16%

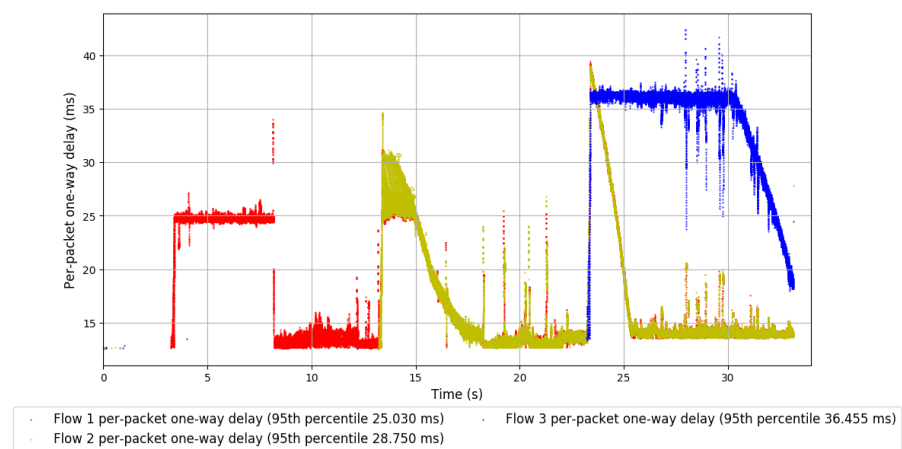
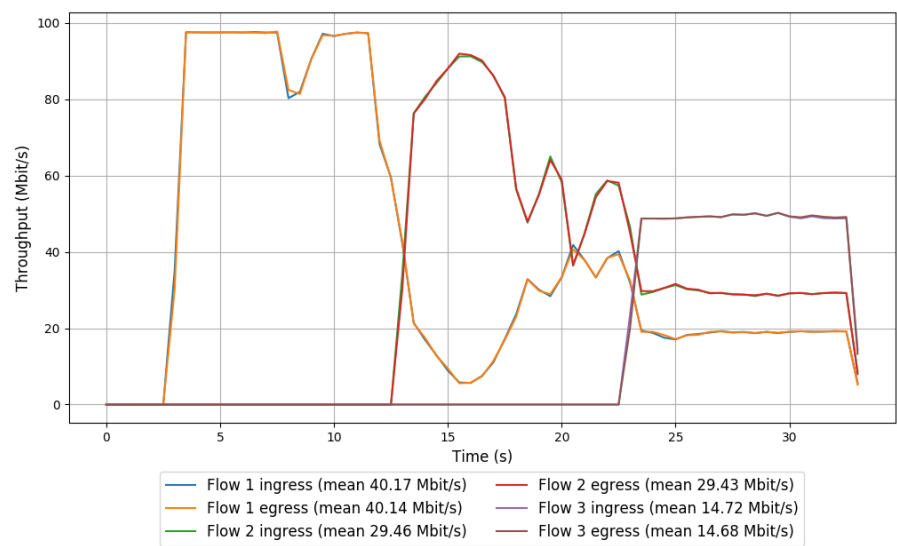
-- Flow 3:

Average throughput: 14.68 Mbit/s

95th percentile per-packet one-way delay: 36.455 ms

Loss rate: 0.30%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 14:38:56 +0000

End at: Sat, 01 Jul 2017 14:39:26 +0000

Local clock offset: 2.767 ms

Remote clock offset: -18.148 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.29 Mbit/s

95th percentile per-packet one-way delay: 48.404 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 47.67 Mbit/s

95th percentile per-packet one-way delay: 26.364 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 23.33 Mbit/s

95th percentile per-packet one-way delay: 25.056 ms

Loss rate: 0.18%

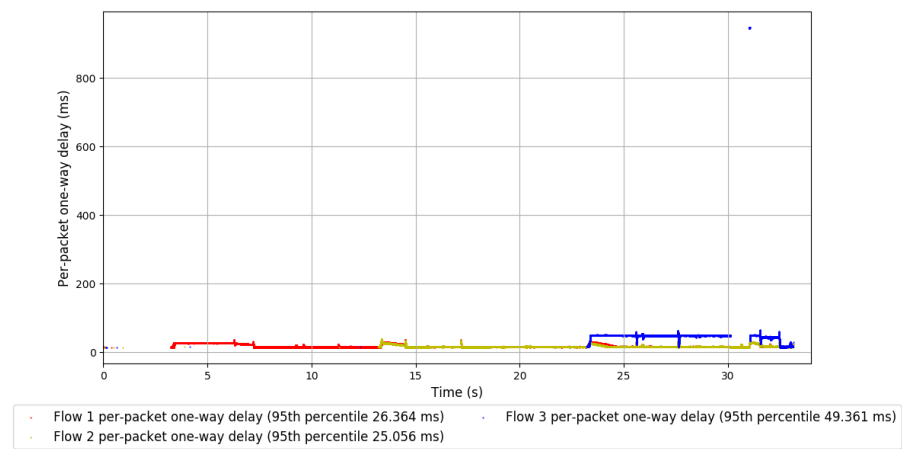
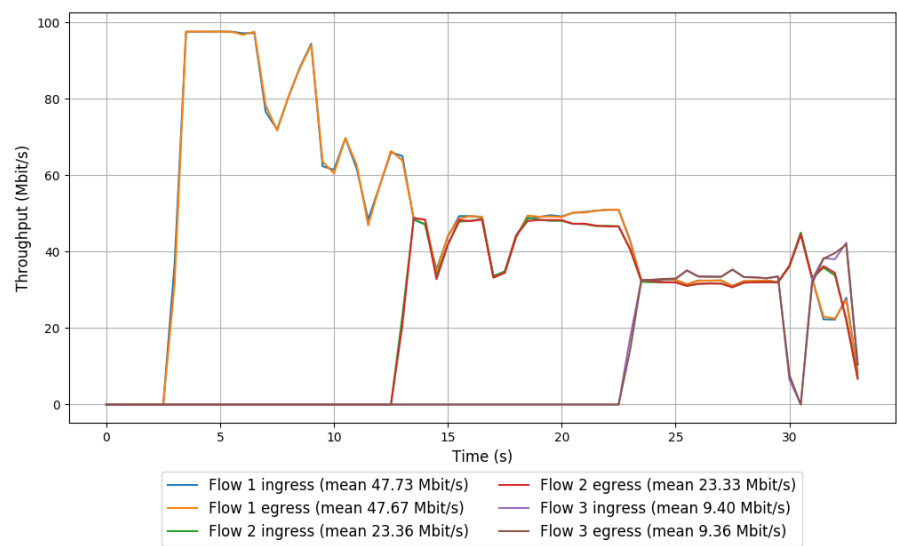
-- Flow 3:

Average throughput: 9.36 Mbit/s

95th percentile per-packet one-way delay: 49.361 ms

Loss rate: 0.39%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 14:57:45 +0000

End at: Sat, 01 Jul 2017 14:58:15 +0000

Local clock offset: 2.119 ms

Remote clock offset: -16.624 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.66 Mbit/s

95th percentile per-packet one-way delay: 26.640 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 43.89 Mbit/s

95th percentile per-packet one-way delay: 27.656 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 18.81 Mbit/s

95th percentile per-packet one-way delay: 18.401 ms

Loss rate: 0.33%

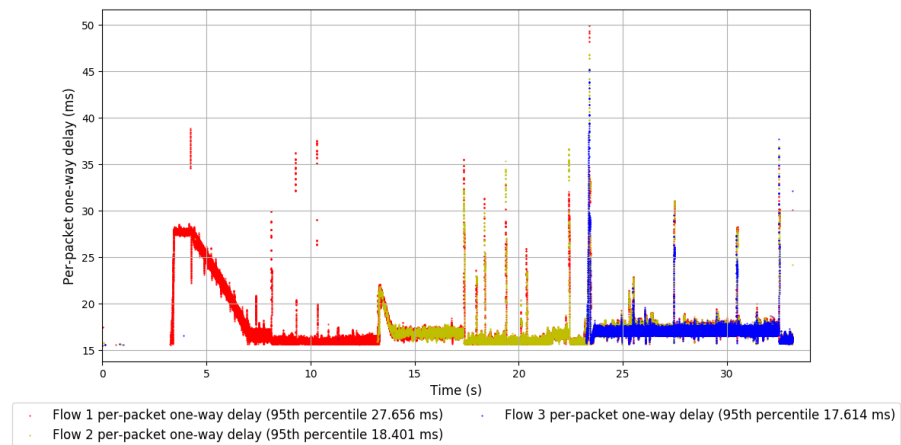
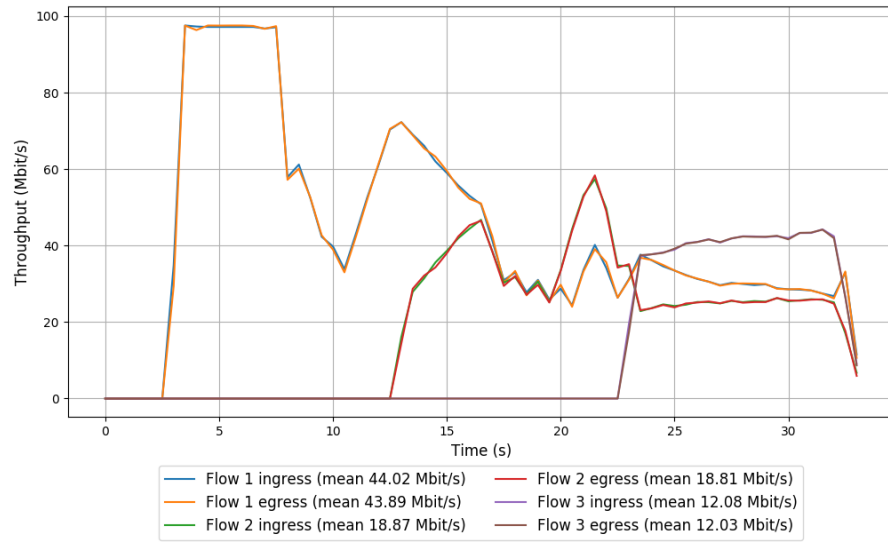
-- Flow 3:

Average throughput: 12.03 Mbit/s

95th percentile per-packet one-way delay: 17.614 ms

Loss rate: 0.39%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sat, 01 Jul 2017 12:27:47 +0000

End at: Sat, 01 Jul 2017 12:28:17 +0000

Local clock offset: -0.764 ms

Remote clock offset: -19.224 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.12 Mbit/s

95th percentile per-packet one-way delay: 46.653 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 46.564 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 24.23 Mbit/s

95th percentile per-packet one-way delay: 46.562 ms

Loss rate: 0.27%

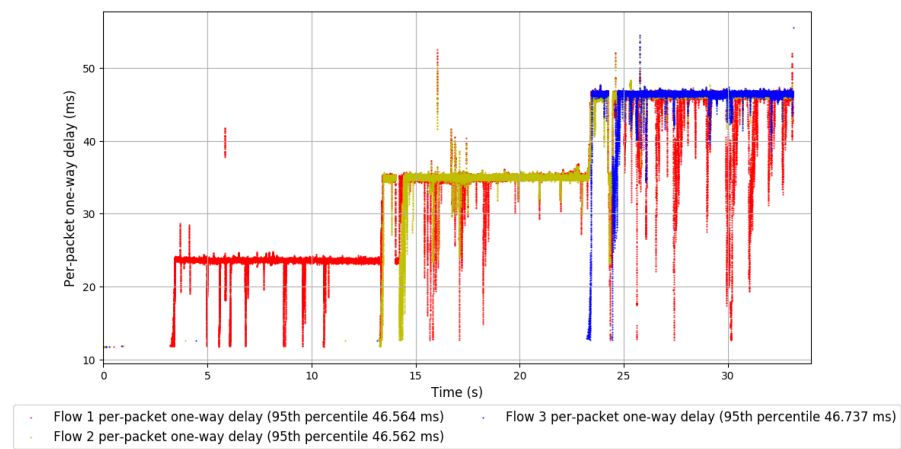
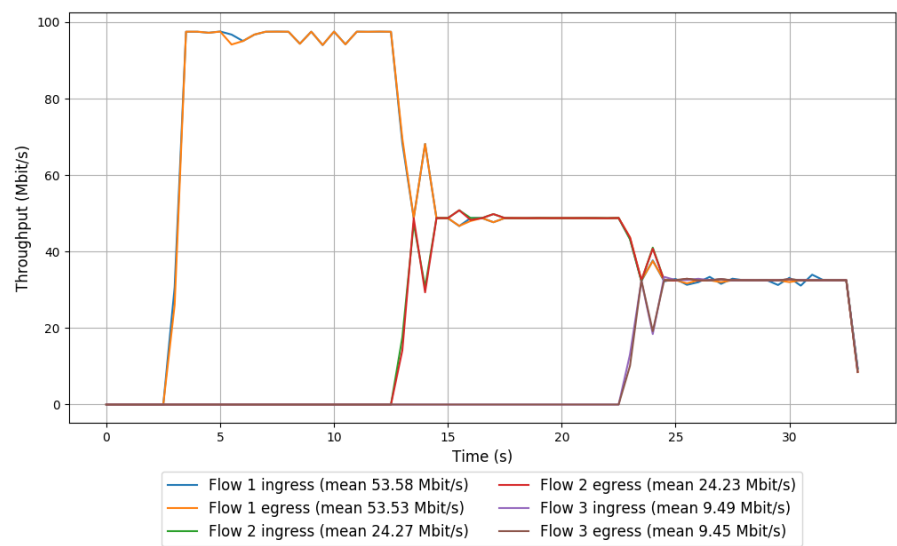
-- Flow 3:

Average throughput: 9.45 Mbit/s

95th percentile per-packet one-way delay: 46.737 ms

Loss rate: 0.62%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sat, 01 Jul 2017 12:46:04 +0000

End at: Sat, 01 Jul 2017 12:46:34 +0000

Local clock offset: 1.38 ms

Remote clock offset: -20.256 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.20 Mbit/s

95th percentile per-packet one-way delay: 56.254 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.31 Mbit/s

95th percentile per-packet one-way delay: 34.355 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 21.88 Mbit/s

95th percentile per-packet one-way delay: 56.615 ms

Loss rate: 0.20%

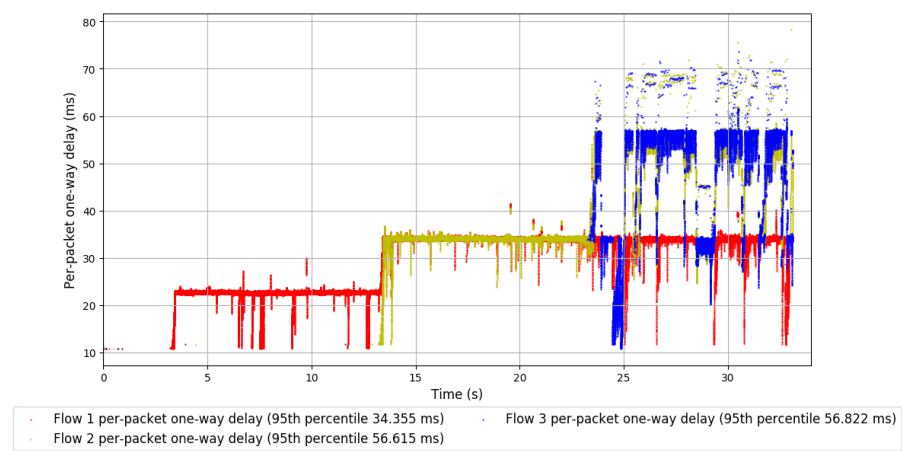
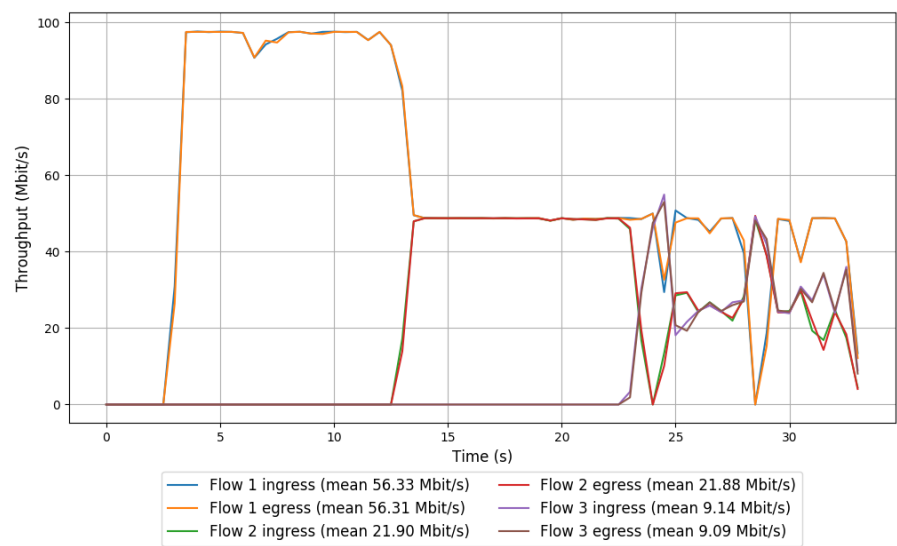
-- Flow 3:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 56.822 ms

Loss rate: 0.63%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sat, 01 Jul 2017 13:04:26 +0000

End at: Sat, 01 Jul 2017 13:04:56 +0000

Local clock offset: 2.569 ms

Remote clock offset: -20.257 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:33:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 44.626 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 51.43 Mbit/s

95th percentile per-packet one-way delay: 44.660 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 25.75 Mbit/s

95th percentile per-packet one-way delay: 44.558 ms

Loss rate: 0.22%

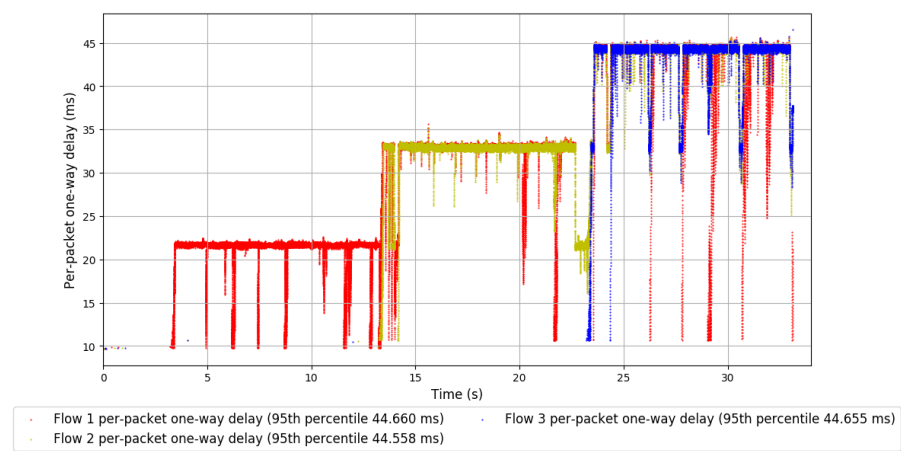
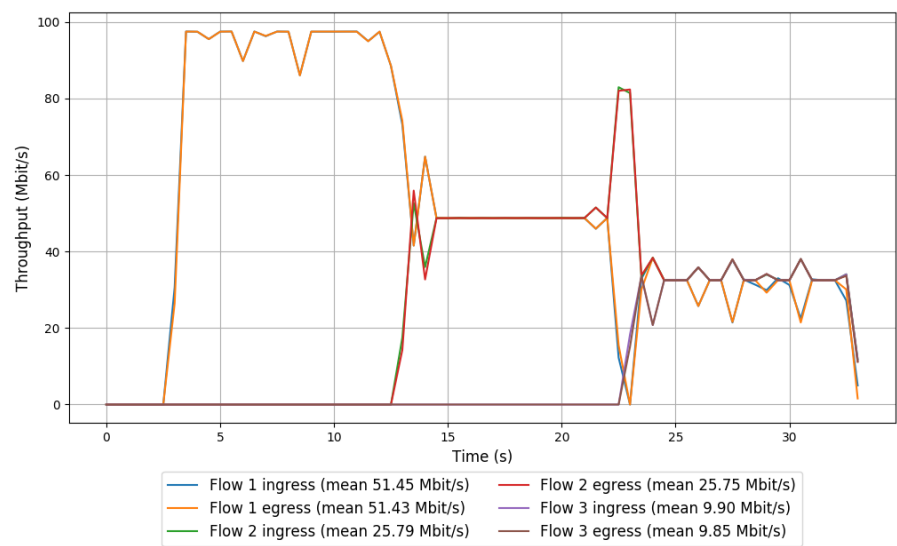
-- Flow 3:

Average throughput: 9.85 Mbit/s

95th percentile per-packet one-way delay: 44.655 ms

Loss rate: 0.59%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sat, 01 Jul 2017 13:22:33 +0000

End at: Sat, 01 Jul 2017 13:23:03 +0000

Local clock offset: 3.51 ms

Remote clock offset: -20.1 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.02 Mbit/s

95th percentile per-packet one-way delay: 55.499 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.61 Mbit/s

95th percentile per-packet one-way delay: 33.171 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 22.95 Mbit/s

95th percentile per-packet one-way delay: 55.744 ms

Loss rate: 0.24%

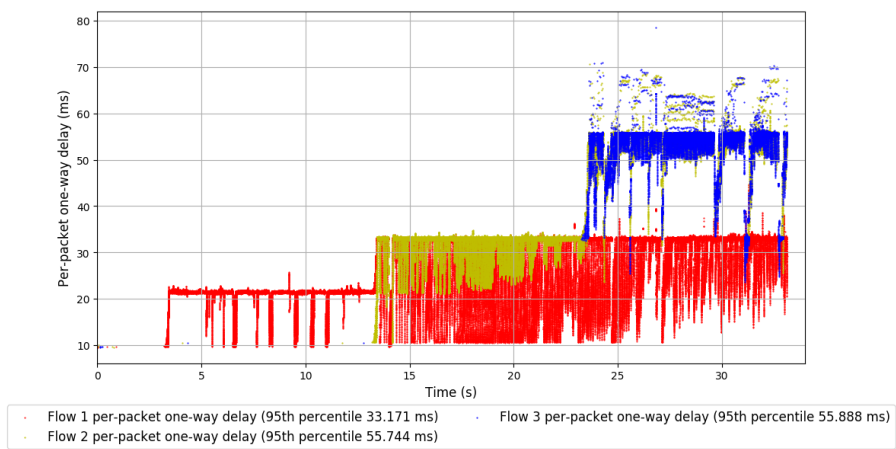
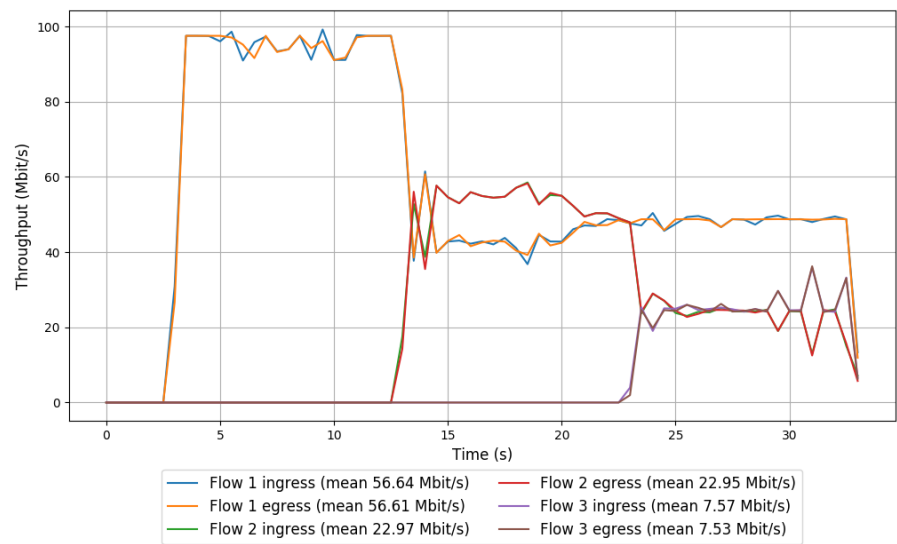
-- Flow 3:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 55.888 ms

Loss rate: 0.61%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sat, 01 Jul 2017 13:40:37 +0000

End at: Sat, 01 Jul 2017 13:41:07 +0000

Local clock offset: 5.123 ms

Remote clock offset: -18.048 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 44.117 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 51.40 Mbit/s

95th percentile per-packet one-way delay: 43.240 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 26.38 Mbit/s

95th percentile per-packet one-way delay: 44.402 ms

Loss rate: 0.18%

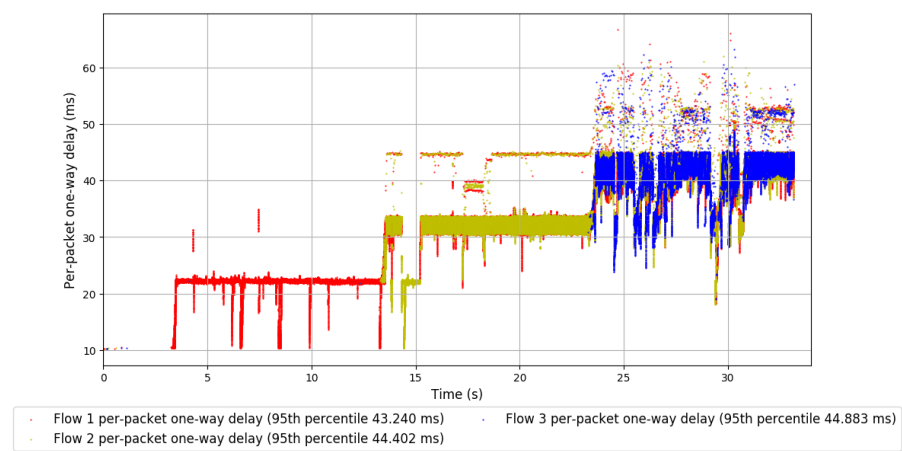
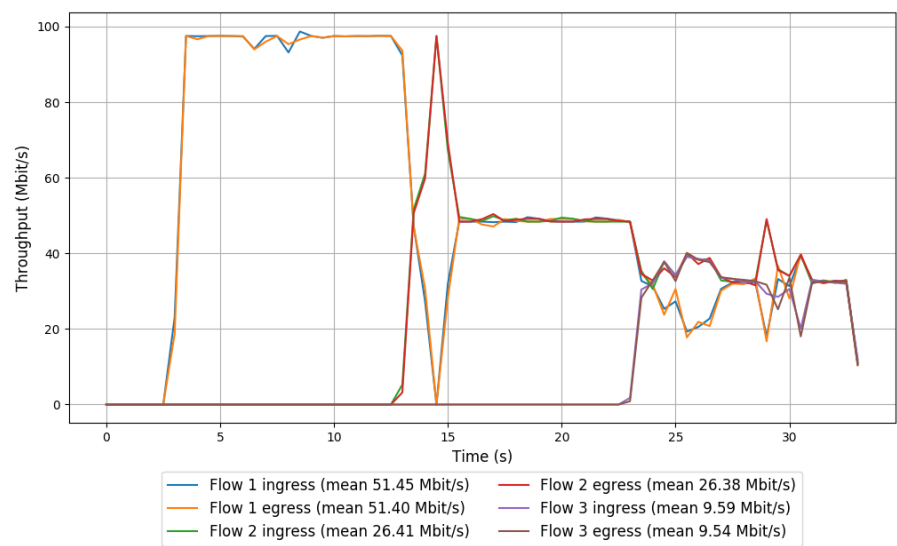
-- Flow 3:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: 44.883 ms

Loss rate: 0.68%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sat, 01 Jul 2017 13:58:53 +0000

End at: Sat, 01 Jul 2017 13:59:23 +0000

Local clock offset: 2.91 ms

Remote clock offset: -17.873 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.05 Mbit/s

95th percentile per-packet one-way delay: 56.608 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 49.44 Mbit/s

95th percentile per-packet one-way delay: 56.534 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 30.06 Mbit/s

95th percentile per-packet one-way delay: 34.437 ms

Loss rate: 0.32%

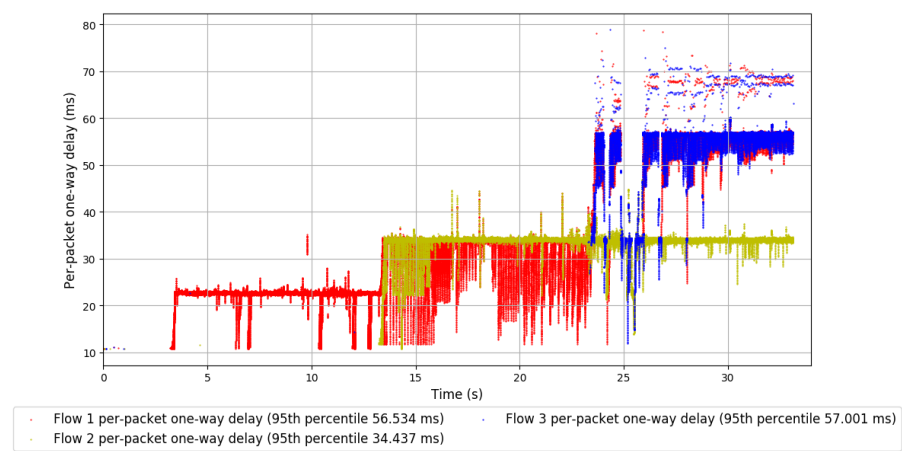
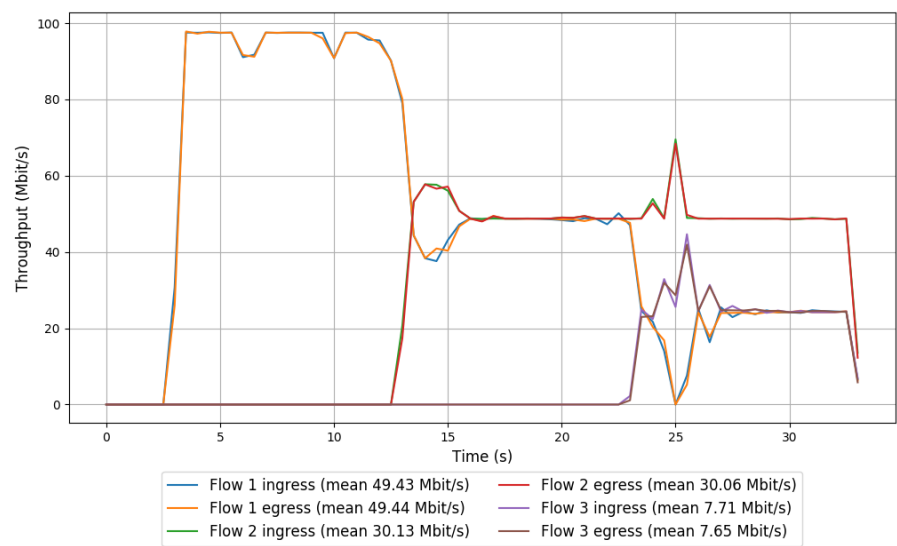
-- Flow 3:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 57.001 ms

Loss rate: 0.81%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sat, 01 Jul 2017 14:16:57 +0000

End at: Sat, 01 Jul 2017 14:17:27 +0000

Local clock offset: 1.871 ms

Remote clock offset: -18.919 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 47.374 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 53.59 Mbit/s

95th percentile per-packet one-way delay: 47.184 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 24.84 Mbit/s

95th percentile per-packet one-way delay: 47.408 ms

Loss rate: 0.28%

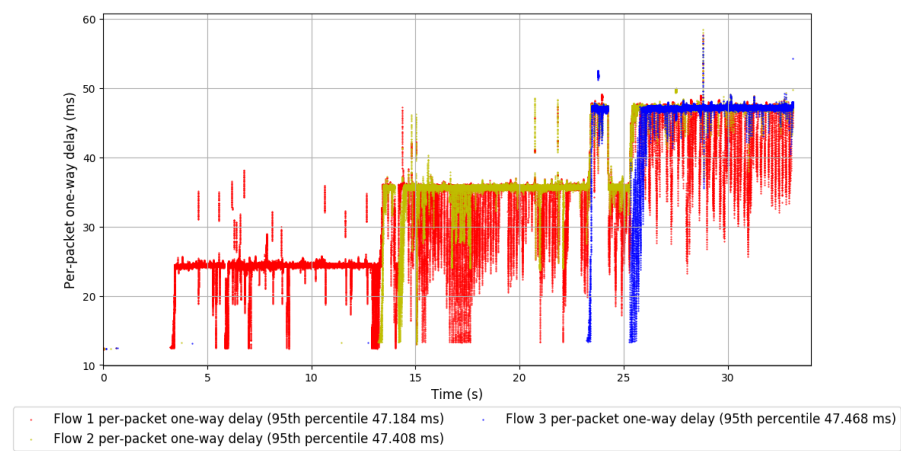
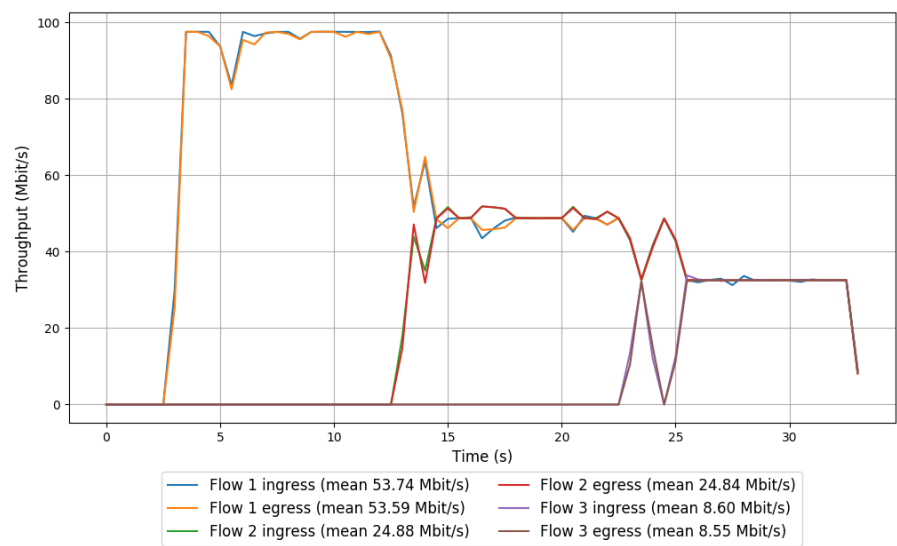
-- Flow 3:

Average throughput: 8.55 Mbit/s

95th percentile per-packet one-way delay: 47.468 ms

Loss rate: 0.69%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sat, 01 Jul 2017 14:35:13 +0000

End at: Sat, 01 Jul 2017 14:35:43 +0000

Local clock offset: 0.114 ms

Remote clock offset: -17.893 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.25 Mbit/s

95th percentile per-packet one-way delay: 59.422 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 58.24 Mbit/s

95th percentile per-packet one-way delay: 37.217 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 21.88 Mbit/s

95th percentile per-packet one-way delay: 59.659 ms

Loss rate: 0.35%

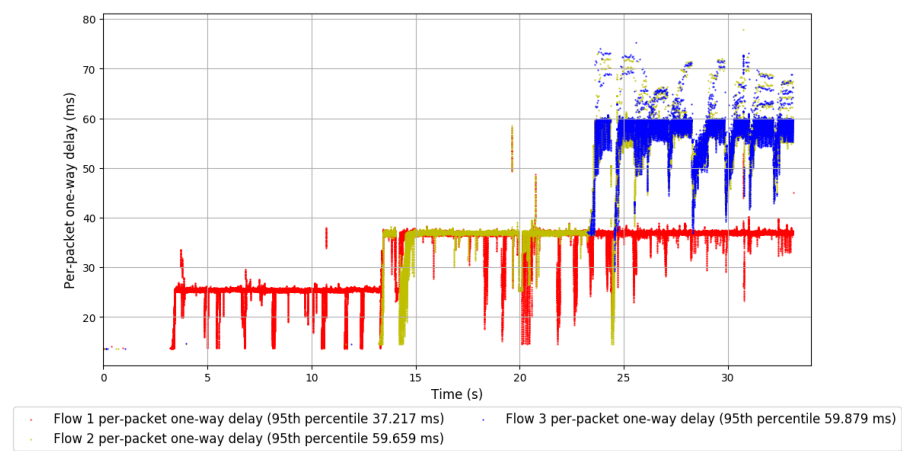
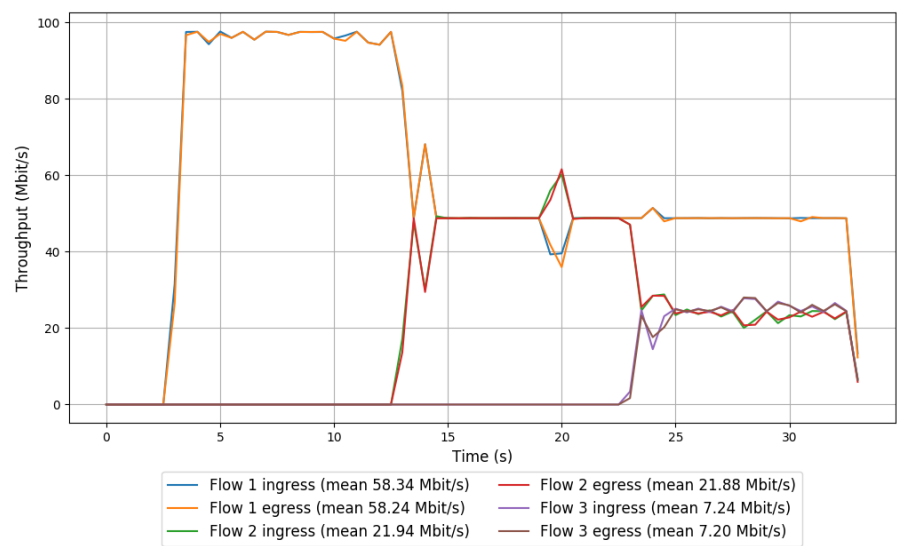
-- Flow 3:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 59.879 ms

Loss rate: 0.69%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sat, 01 Jul 2017 14:53:57 +0000

End at: Sat, 01 Jul 2017 14:54:27 +0000

Local clock offset: 2.033 ms

Remote clock offset: -17.223 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 61.090 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 58.34 Mbit/s

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

Loss rate: 0.39%

-- Flow 2:

Average throughput: 21.87 Mbit/s

95th percentile per-packet one-way delay: 61.400 ms

Loss rate: 0.31%

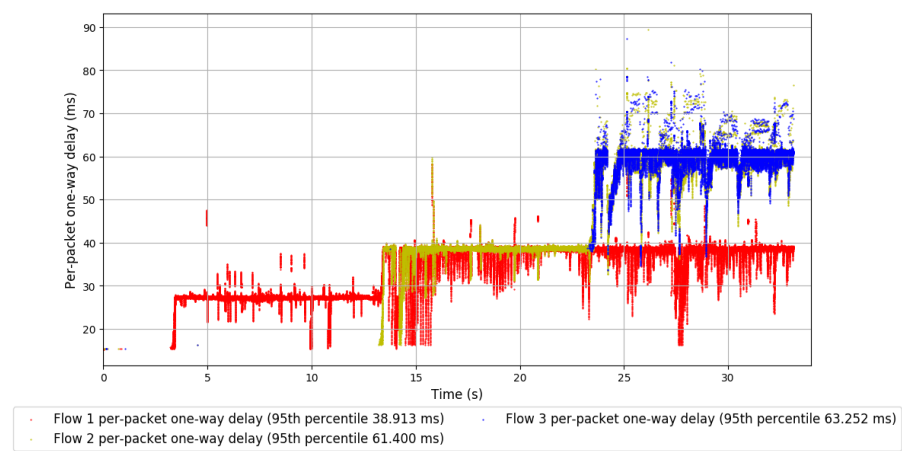
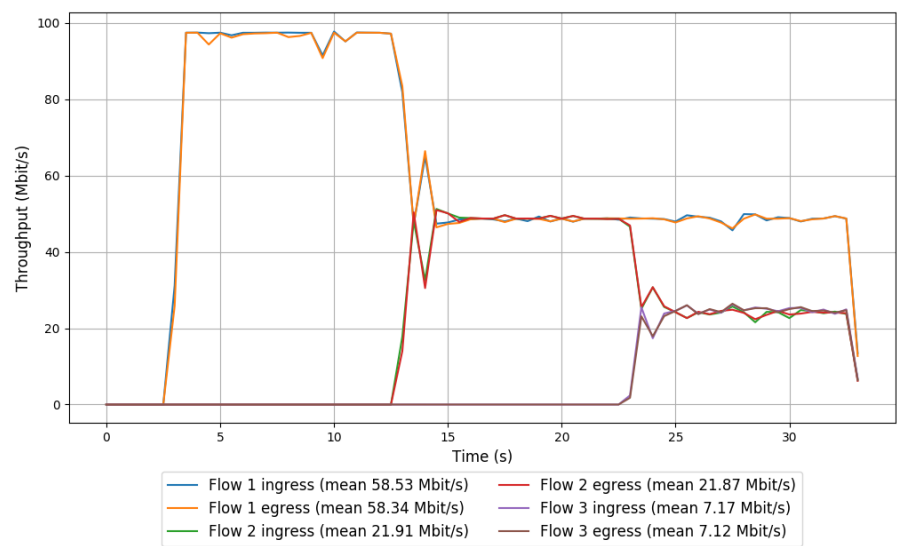
-- Flow 3:

Average throughput: 7.12 Mbit/s

95th percentile per-packet one-way delay: 63.252 ms

Loss rate: 0.73%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sat, 01 Jul 2017 15:12:17 +0000

End at: Sat, 01 Jul 2017 15:12:47 +0000

Local clock offset: 1.065 ms

Remote clock offset: -16.734 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 50.428 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 51.68 Mbit/s

95th percentile per-packet one-way delay: 50.293 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 25.80 Mbit/s

95th percentile per-packet one-way delay: 50.333 ms

Loss rate: 0.17%

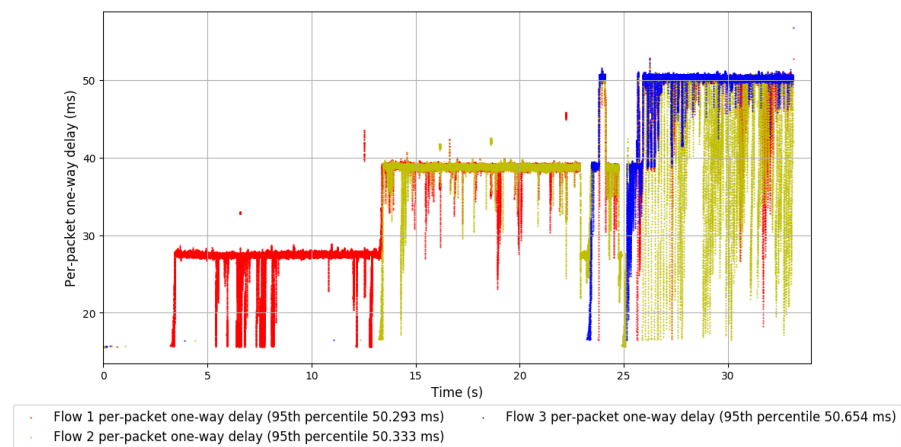
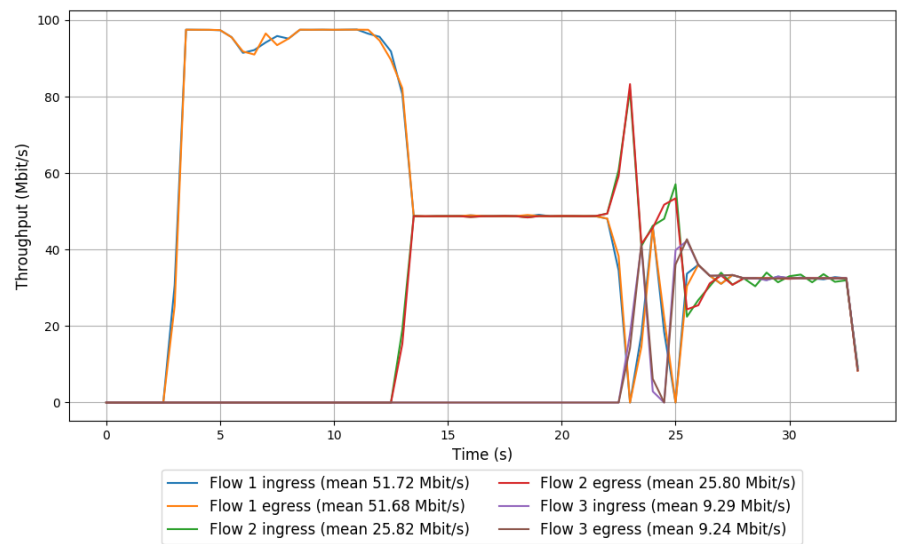
-- Flow 3:

Average throughput: 9.24 Mbit/s

95th percentile per-packet one-way delay: 50.654 ms

Loss rate: 0.64%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 12:18:04 +0000

End at: Sat, 01 Jul 2017 12:18:34 +0000

Local clock offset: 2.975 ms

Remote clock offset: -20.477 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 13.357 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 13.292 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 13.419 ms

Loss rate: 0.00%

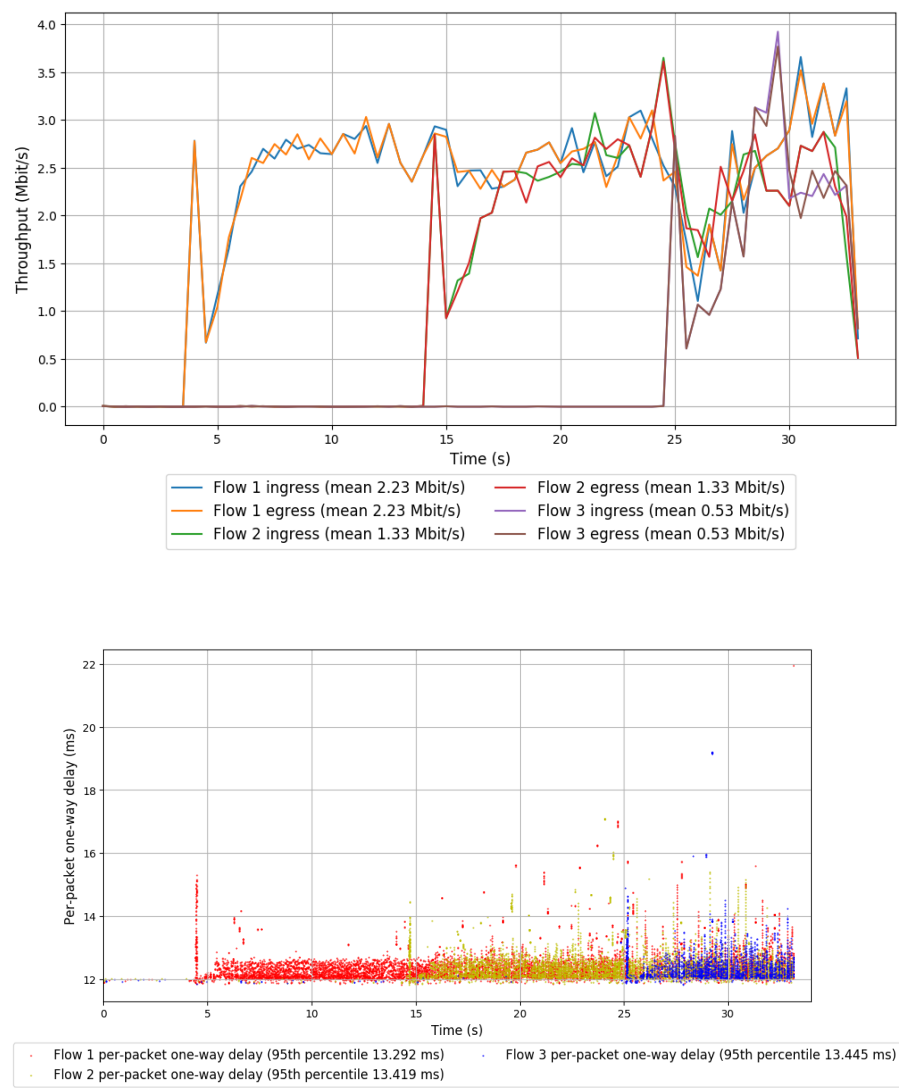
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 13.445 ms

Loss rate: 0.01%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 12:36:22 +0000

End at: Sat, 01 Jul 2017 12:36:52 +0000

Local clock offset: 2.735 ms

Remote clock offset: -21.151 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 12.561 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 12.366 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 12.549 ms

Loss rate: 0.18%

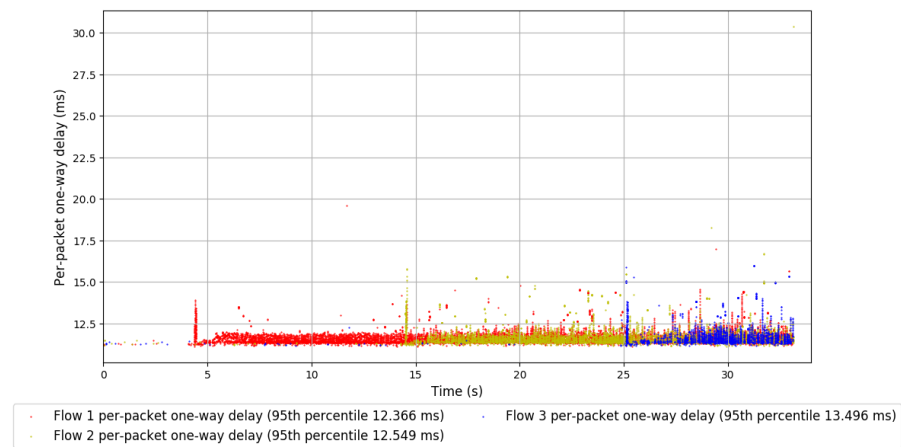
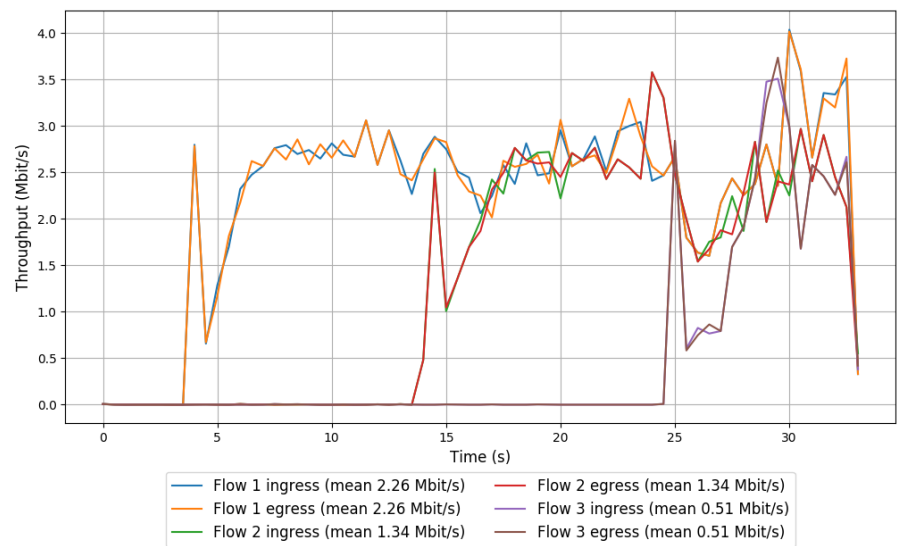
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 13.496 ms

Loss rate: 0.06%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 12:54:53 +0000

End at: Sat, 01 Jul 2017 12:55:23 +0000

Local clock offset: 3.119 ms

Remote clock offset: -21.561 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 11.716 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 11.709 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 11.641 ms

Loss rate: 0.00%

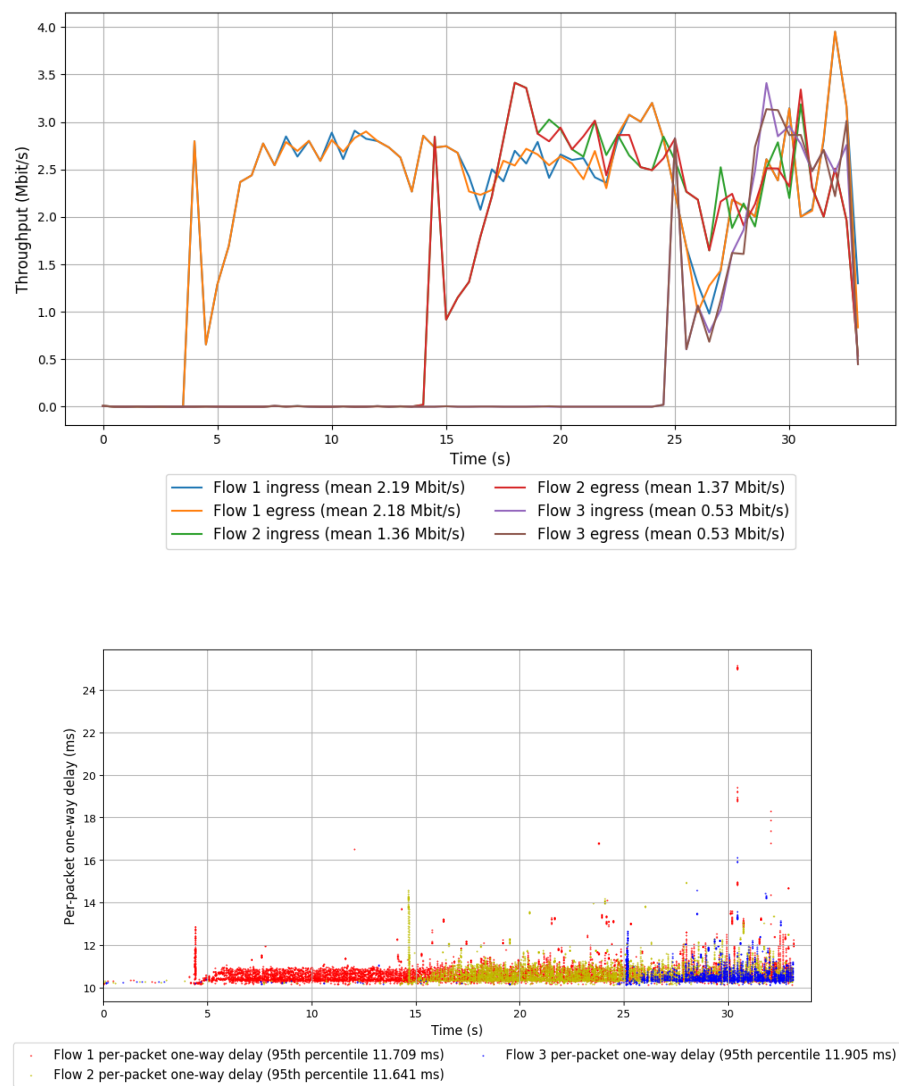
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 11.905 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 13:12:58 +0000

End at: Sat, 01 Jul 2017 13:13:28 +0000

Local clock offset: 3.272 ms

Remote clock offset: -20.492 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.10 Mbit/s

95th percentile per-packet one-way delay: 10.987 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 10.832 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 10.863 ms

Loss rate: 0.00%

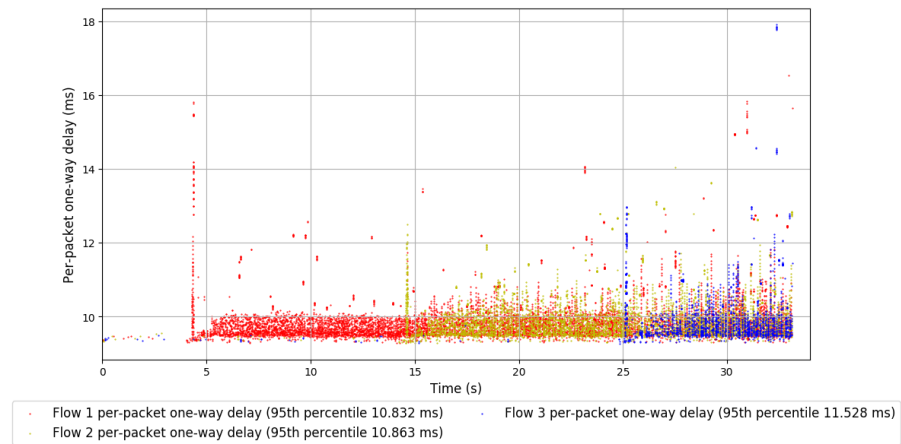
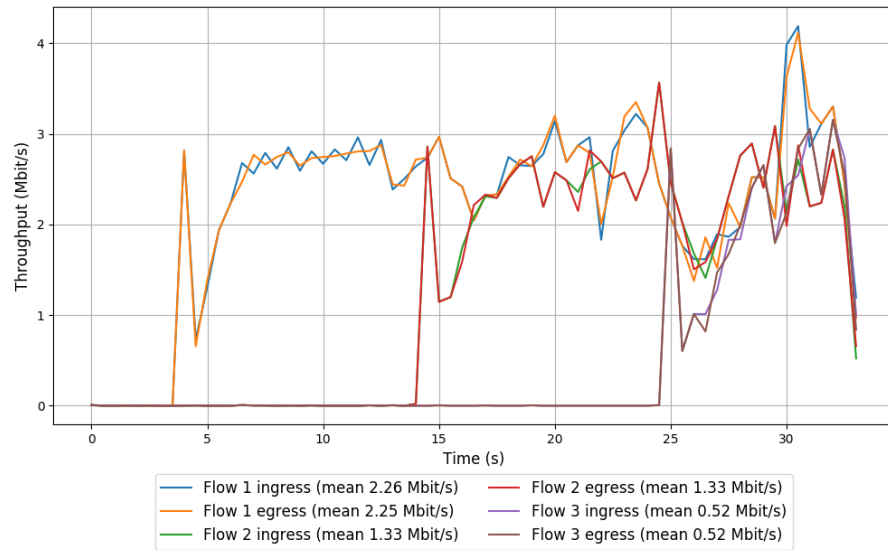
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 11.528 ms

Loss rate: 0.95%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 13:31:07 +0000

End at: Sat, 01 Jul 2017 13:31:37 +0000

Local clock offset: 1.931 ms

Remote clock offset: -18.954 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 11.807 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 11.598 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 11.880 ms

Loss rate: 0.00%

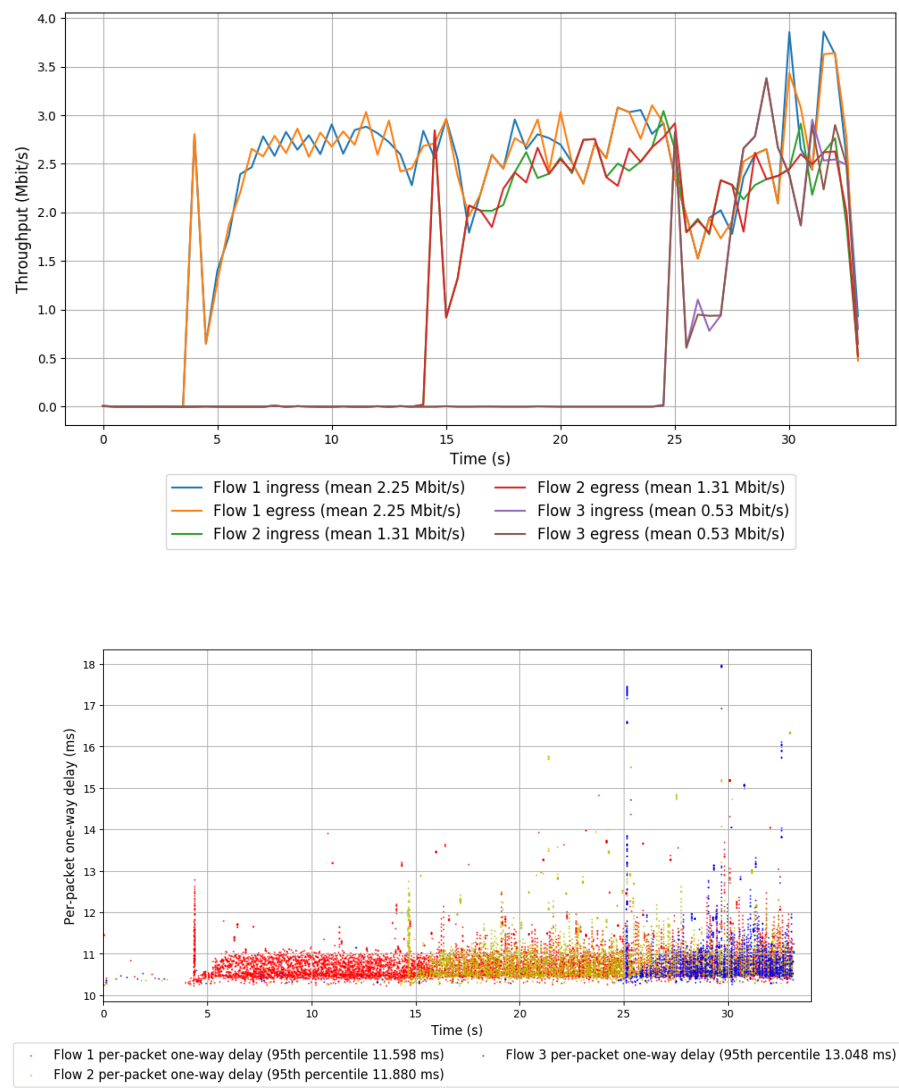
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 13.048 ms

Loss rate: 0.44%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 13:49:09 +0000

End at: Sat, 01 Jul 2017 13:49:39 +0000

Local clock offset: 3.798 ms

Remote clock offset: -20.271 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.10 Mbit/s

95th percentile per-packet one-way delay: 11.667 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 11.515 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 11.825 ms

Loss rate: 0.00%

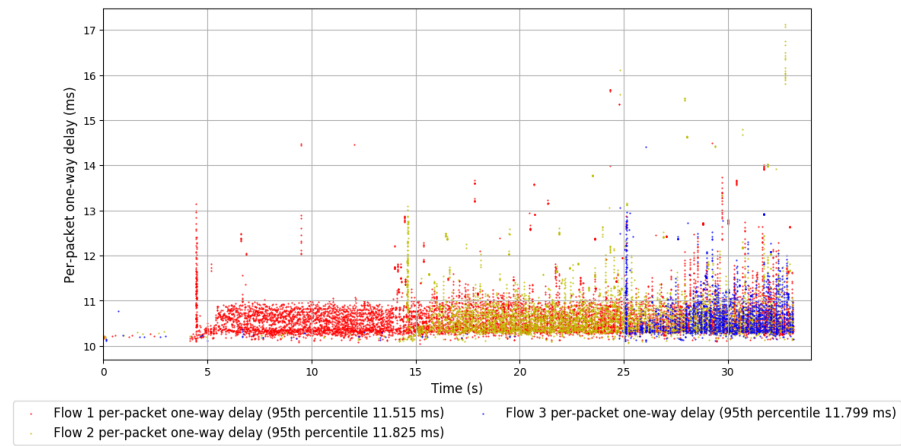
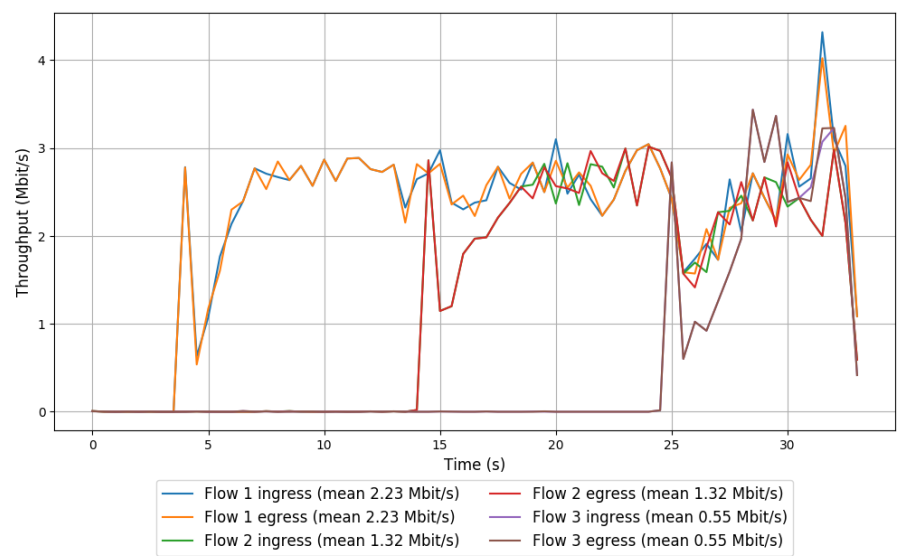
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 11.799 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 14:07:26 +0000

End at: Sat, 01 Jul 2017 14:07:56 +0000

Local clock offset: 1.69 ms

Remote clock offset: -17.618 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 13.198 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 13.104 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 13.290 ms

Loss rate: 0.00%

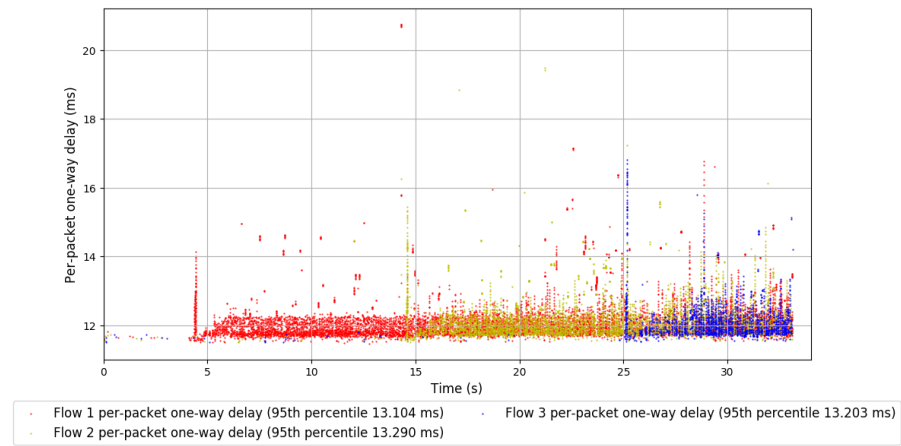
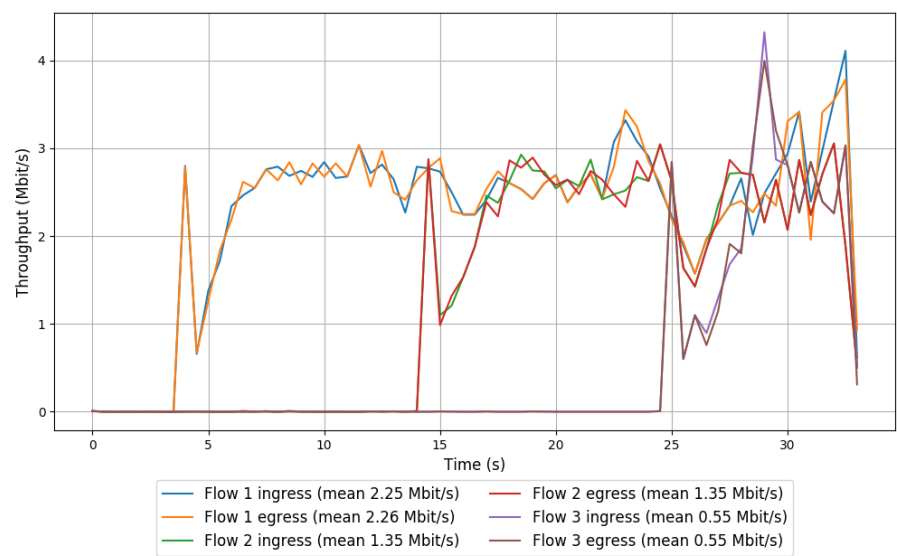
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 13.203 ms

Loss rate: 0.53%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 14:25:27 +0000

End at: Sat, 01 Jul 2017 14:25:57 +0000

Local clock offset: 0.181 ms

Remote clock offset: -18.51 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 14.540 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 14.370 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 14.559 ms

Loss rate: 0.00%

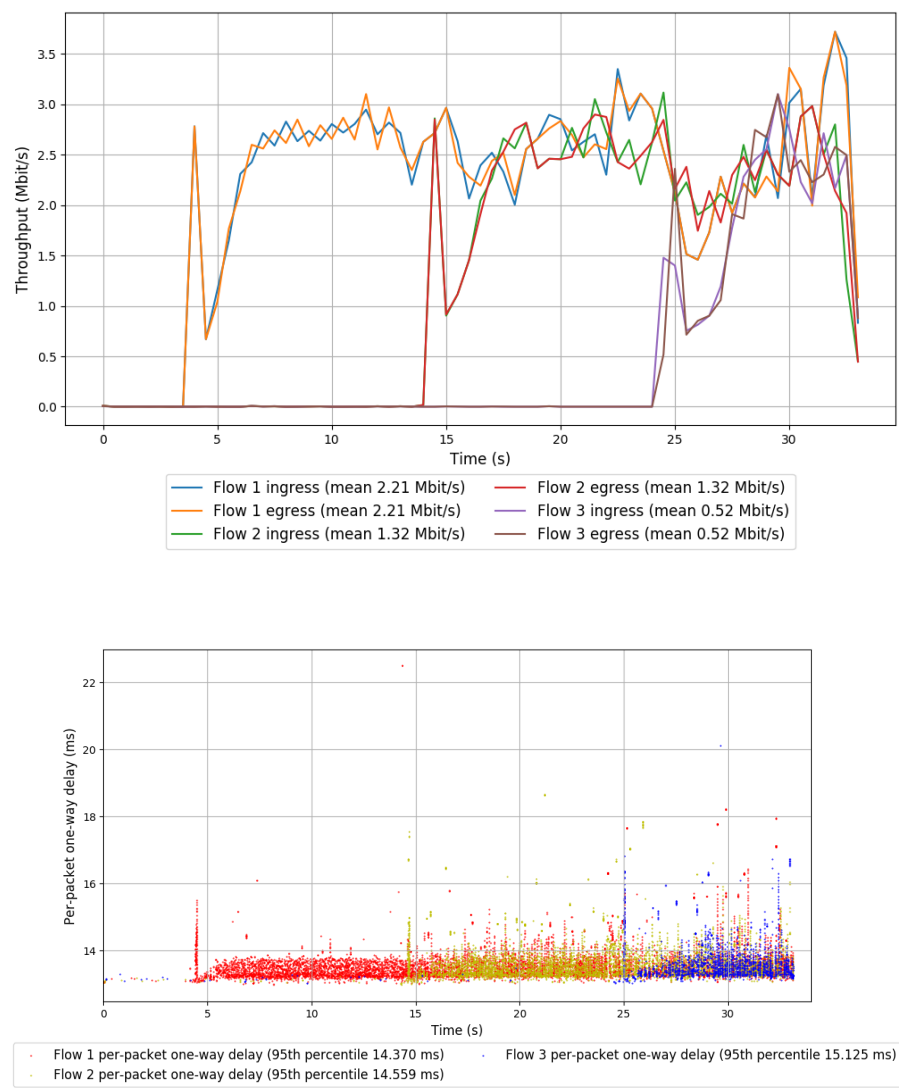
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 15.125 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 14:44:03 +0000

End at: Sat, 01 Jul 2017 14:44:33 +0000

Local clock offset: 1.643 ms

Remote clock offset: -16.424 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 15.918 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 15.758 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 15.852 ms

Loss rate: 0.16%

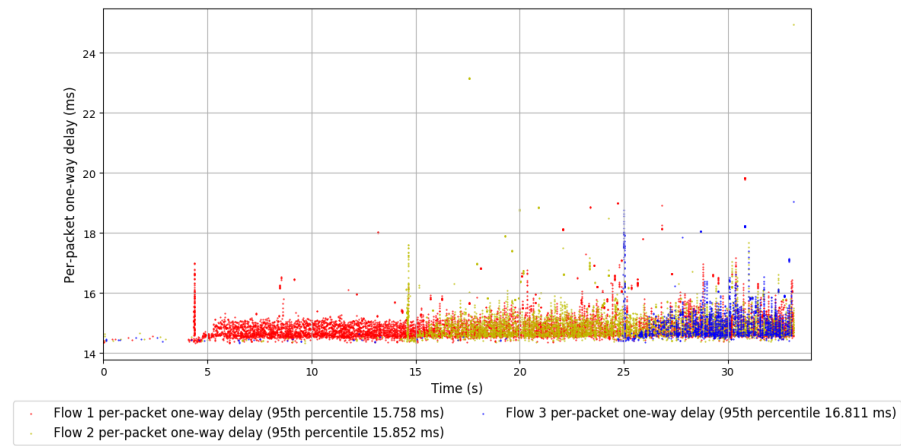
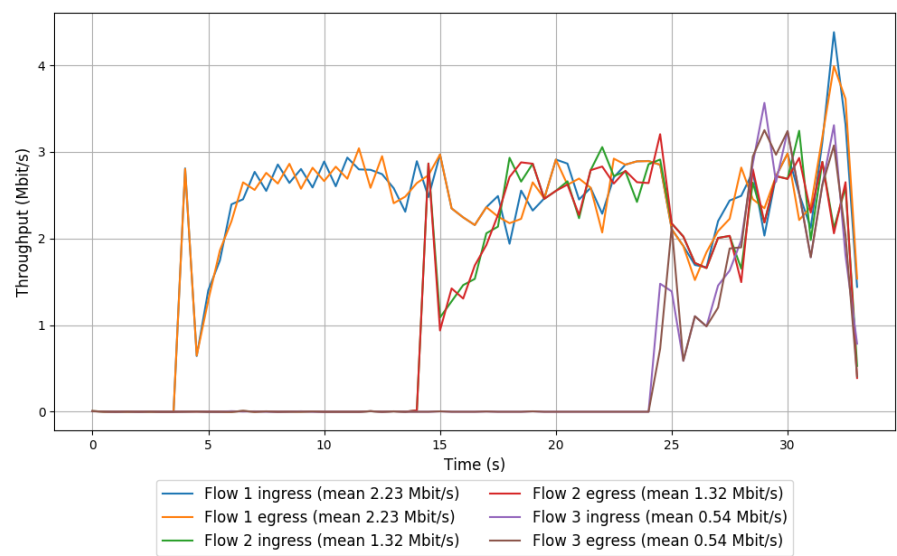
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 16.811 ms

Loss rate: 1.05%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 15:02:41 +0000

End at: Sat, 01 Jul 2017 15:03:11 +0000

Local clock offset: 1.875 ms

Remote clock offset: -16.099 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:34:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 17.263 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 17.004 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 17.564 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 17.409 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

