

Pantheon Summary (Generated at Tue, 01 Aug 2017 08:34:40 +0000 with pantheon version 33c7b8d34ce04c76596315aa973f0b30d6129d55)

Repeated the test of 15 congestion control schemes 10 times.

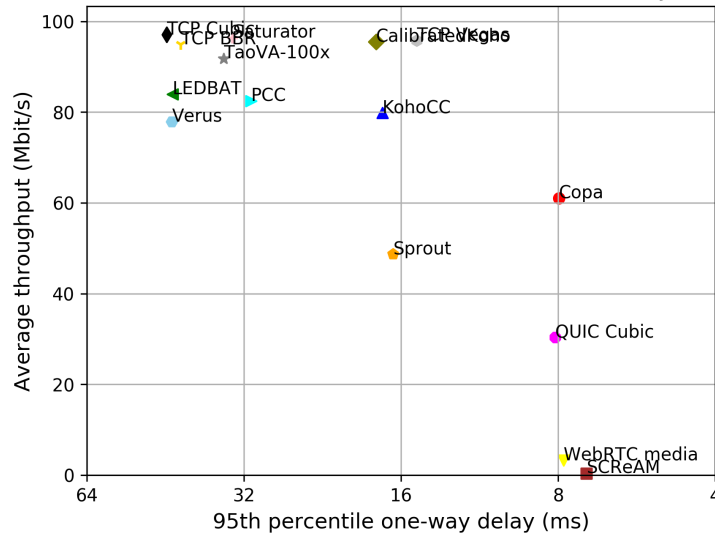
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).

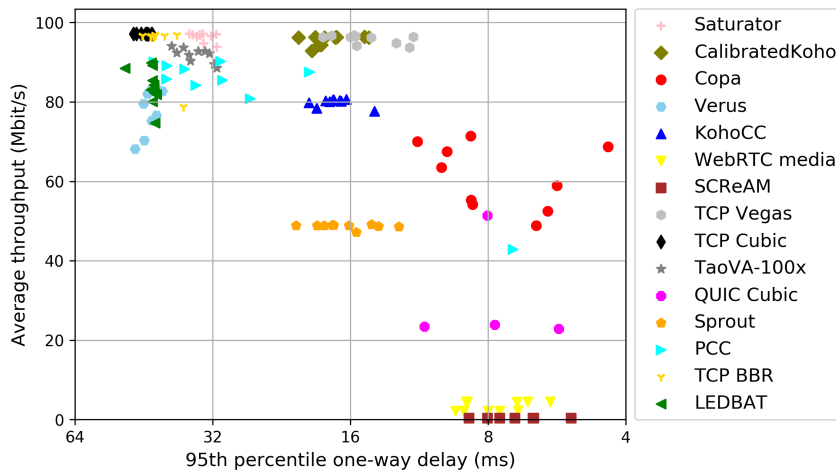
NTP offset measured against nets.org.sg and has been applied to correct the timestamps in logs.

```
git branch: master @ 33c7b8d34ce04c76596315aa973f0b30d6129d55
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 @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



| scheme | # runs | mean avg tput (Mbit/s) | | | mean 95th-%ile delay (ms) | | | mean loss rate (%) | | |
|----------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
| | | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 | flow 1 | flow 2 | flow 3 |
| TCP BBR | 10 | 50.61 | 45.30 | 42.04 | 577.09 | 42.64 | 44.22 | 3.92 | 8.72 | 12.85 |
| CalibratedKoho | 10 | 50.36 | 41.82 | 52.30 | 17.14 | 17.92 | 17.81 | 0.00 | 0.00 | 0.00 |
| Copa | 10 | 33.19 | 30.49 | 23.02 | 7.92 | 8.00 | 8.14 | 0.00 | 0.00 | 0.00 |
| TCP Cubic | 10 | 66.38 | 33.89 | 24.82 | 44.88 | 45.22 | 45.12 | 0.68 | 0.82 | 0.65 |
| KohoCC | 10 | 42.83 | 39.70 | 31.96 | 16.53 | 17.37 | 18.47 | 0.00 | 0.00 | 0.00 |
| LEDBAT | 10 | 51.79 | 34.44 | 28.17 | 43.41 | 44.37 | 43.99 | 0.32 | 0.55 | 0.55 |
| PCC | 10 | 67.06 | 12.75 | 21.14 | 30.04 | 32.45 | 31.63 | 0.90 | 0.91 | 2.37 |
| QUIC Cubic | 10 | 0.26 | 19.52 | 53.50 | 8.56 | 7.38 | 8.15 | 0.00 | 0.00 | 0.00 |
| Saturator | 10 | 63.70 | 48.39 | 32.79 | 33.64 | 33.65 | 43.61 | 0.26 | 0.55 | 22.23 |
| SCReAM | 10 | 0.21 | 0.21 | 0.22 | 7.07 | 7.03 | 7.04 | 0.00 | 0.00 | 0.00 |
| Sprout | 10 | 24.51 | 24.39 | 24.10 | 16.34 | 16.40 | 17.13 | 0.00 | 0.00 | 0.00 |
| TaoVA-100x | 10 | 55.72 | 38.95 | 31.06 | 32.66 | 37.11 | 36.49 | 1.59 | 3.51 | 5.44 |
| TCP Vegas | 10 | 60.28 | 35.55 | 35.76 | 15.72 | 12.45 | 11.72 | 0.26 | 0.00 | 0.00 |
| Verus | 10 | 49.81 | 32.46 | 21.86 | 43.74 | 44.22 | 44.31 | 28.86 | 36.61 | 43.07 |
| WebRTC media | 10 | 1.24 | 1.52 | 0.62 | 8.06 | 7.77 | 8.40 | 0.00 | 0.00 | 0.00 |

Run 1: Statistics of TCP BBR

Start at: Mon, 31 Jul 2017 23:42:32 +0000

End at: Mon, 31 Jul 2017 23:43:02 +0000

Local clock offset: 3.99 ms

Remote clock offset: -4.268 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:20:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.72 Mbit/s

95th percentile per-packet one-way delay: 40.802 ms

Loss rate: 7.12%

-- Flow 1:

Average throughput: 48.11 Mbit/s

95th percentile per-packet one-way delay: 35.940 ms

Loss rate: 3.43%

-- Flow 2:

Average throughput: 52.00 Mbit/s

95th percentile per-packet one-way delay: 41.309 ms

Loss rate: 7.66%

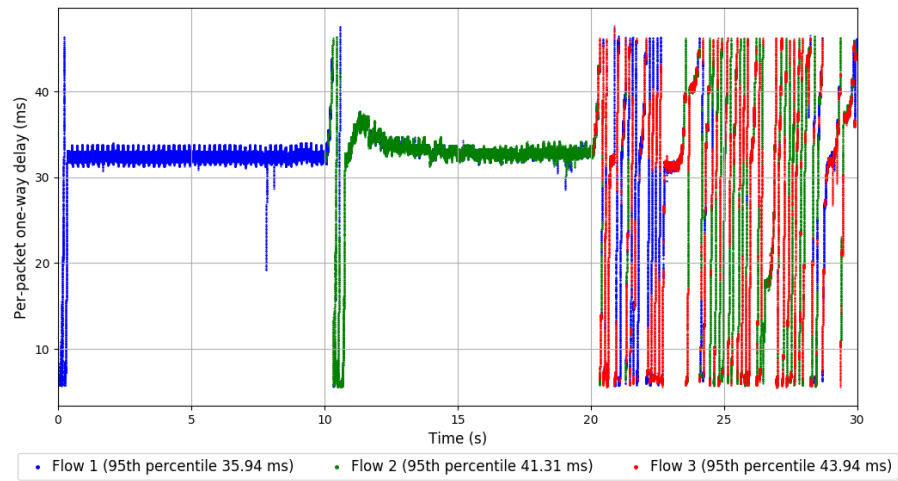
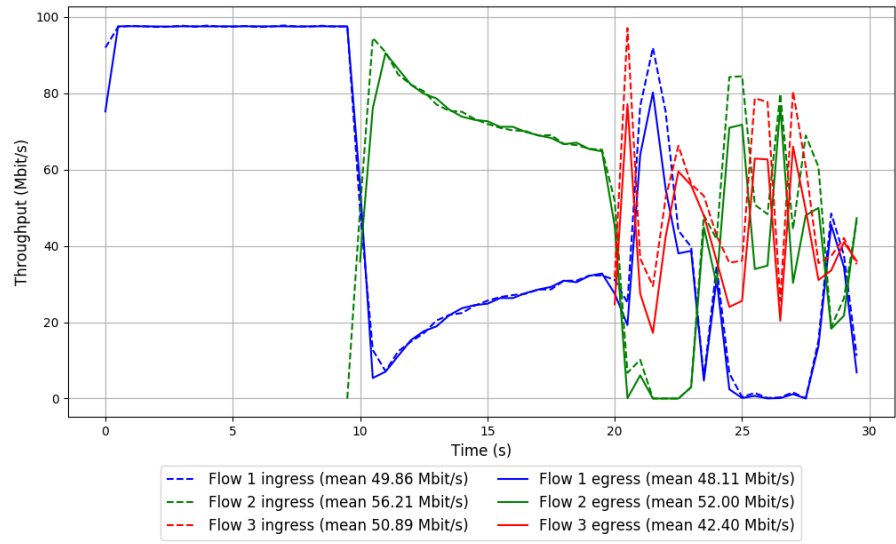
-- Flow 3:

Average throughput: 42.40 Mbit/s

95th percentile per-packet one-way delay: 43.937 ms

Loss rate: 16.81%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Tue, 01 Aug 2017 00:00:34 +0000

End at: Tue, 01 Aug 2017 00:01:04 +0000

Local clock offset: 1.501 ms

Remote clock offset: -4.276 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:20:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.99 Mbit/s

95th percentile per-packet one-way delay: 42.821 ms

Loss rate: 4.01%

-- Flow 1:

Average throughput: 55.12 Mbit/s

95th percentile per-packet one-way delay: 42.593 ms

Loss rate: 3.24%

-- Flow 2:

Average throughput: 56.74 Mbit/s

95th percentile per-packet one-way delay: 42.852 ms

Loss rate: 3.59%

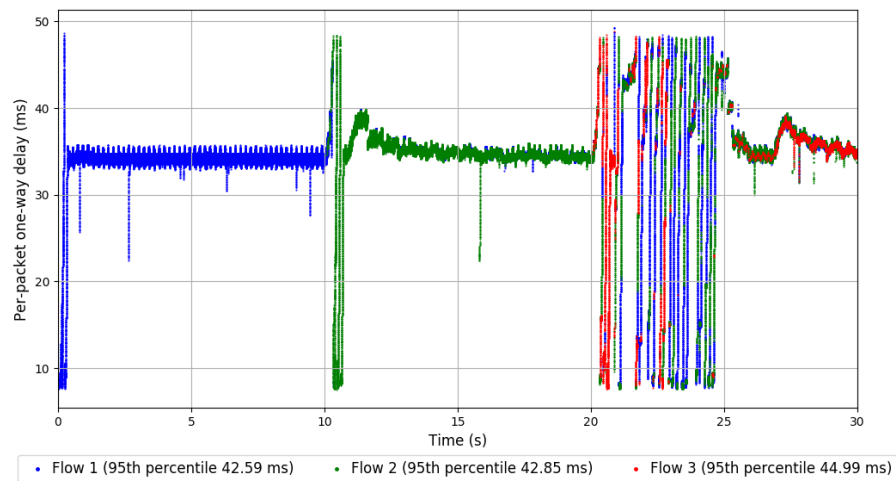
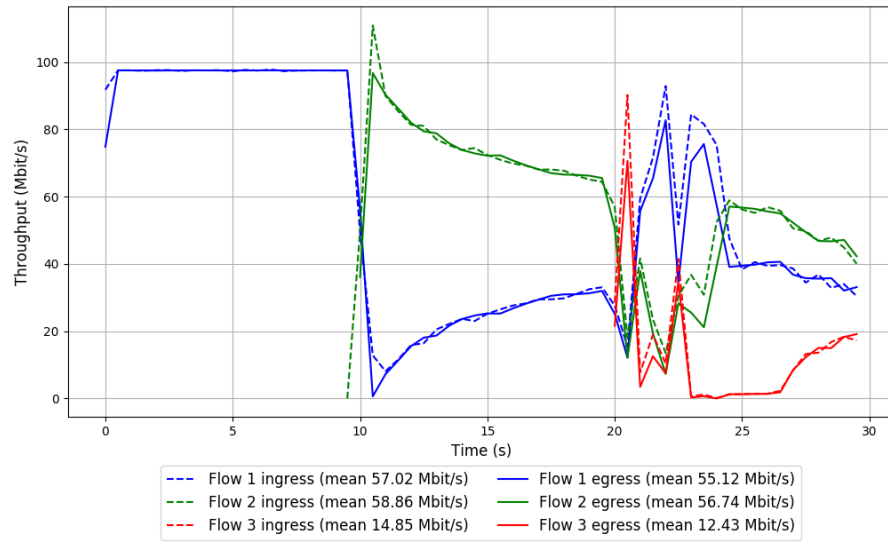
-- Flow 3:

Average throughput: 12.43 Mbit/s

95th percentile per-packet one-way delay: 44.994 ms

Loss rate: 16.30%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Tue, 01 Aug 2017 00:20:11 +0000

End at: Tue, 01 Aug 2017 00:20:41 +0000

Local clock offset: 2.539 ms

Remote clock offset: -3.475 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:20:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.75 Mbit/s

95th percentile per-packet one-way delay: 37.057 ms

Loss rate: 2.83%

-- Flow 1:

Average throughput: 11.64 Mbit/s

95th percentile per-packet one-way delay: 5400.940 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 72.03 Mbit/s

95th percentile per-packet one-way delay: 36.864 ms

Loss rate: 2.08%

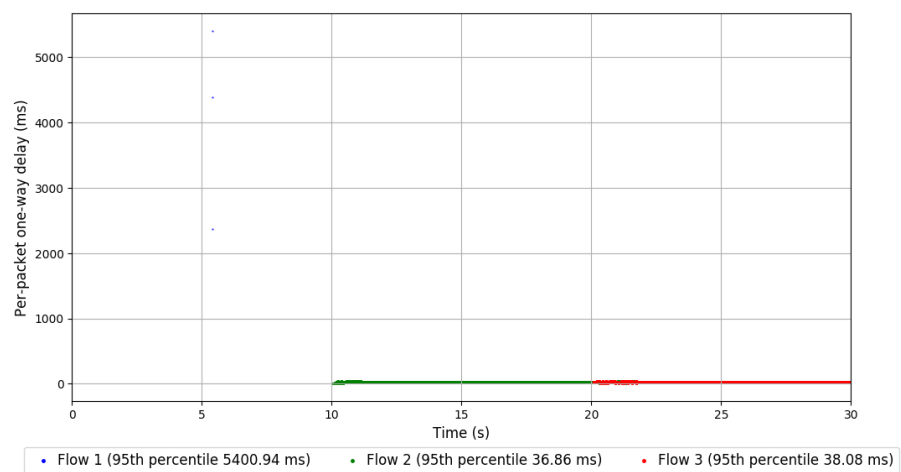
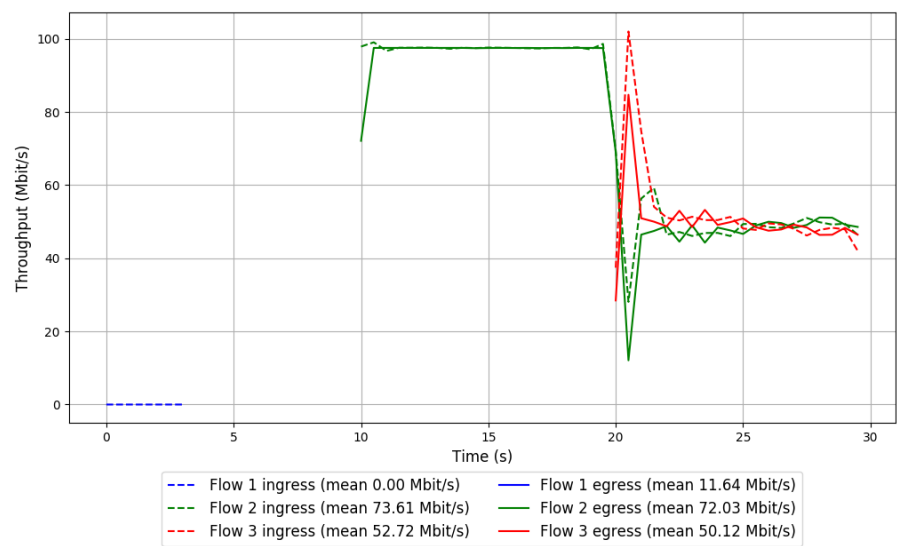
-- Flow 3:

Average throughput: 50.12 Mbit/s

95th percentile per-packet one-way delay: 38.082 ms

Loss rate: 4.93%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Tue, 01 Aug 2017 01:09:01 +0000

End at: Tue, 01 Aug 2017 01:09:31 +0000

Local clock offset: 0.554 ms

Remote clock offset: -4.337 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:20:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.90 Mbit/s

95th percentile per-packet one-way delay: 42.746 ms

Loss rate: 6.29%

-- Flow 1:

Average throughput: 52.53 Mbit/s

95th percentile per-packet one-way delay: 39.062 ms

Loss rate: 3.82%

-- Flow 2:

Average throughput: 37.46 Mbit/s

95th percentile per-packet one-way delay: 43.122 ms

Loss rate: 9.49%

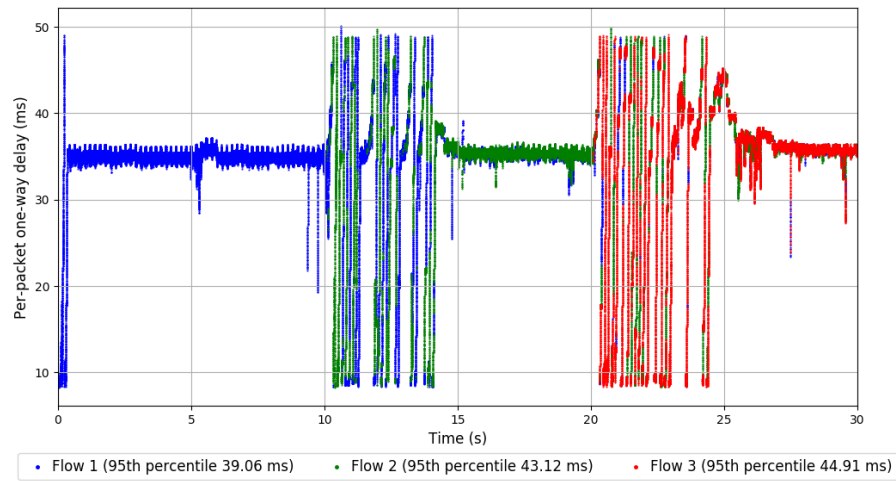
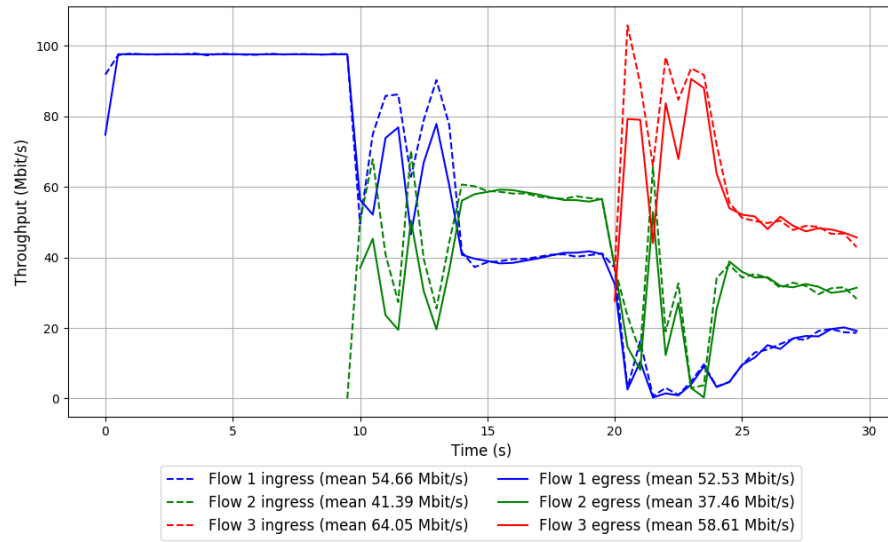
-- Flow 3:

Average throughput: 58.61 Mbit/s

95th percentile per-packet one-way delay: 44.915 ms

Loss rate: 8.49%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Tue, 01 Aug 2017 01:28:15 +0000

End at: Tue, 01 Aug 2017 01:28:45 +0000

Local clock offset: 1.553 ms

Remote clock offset: -4.774 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:21:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.86 Mbit/s

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

Loss rate: 3.42%

-- Flow 1:

Average throughput: 50.79 Mbit/s

95th percentile per-packet one-way delay: 37.362 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 41.008 ms

Loss rate: 3.94%

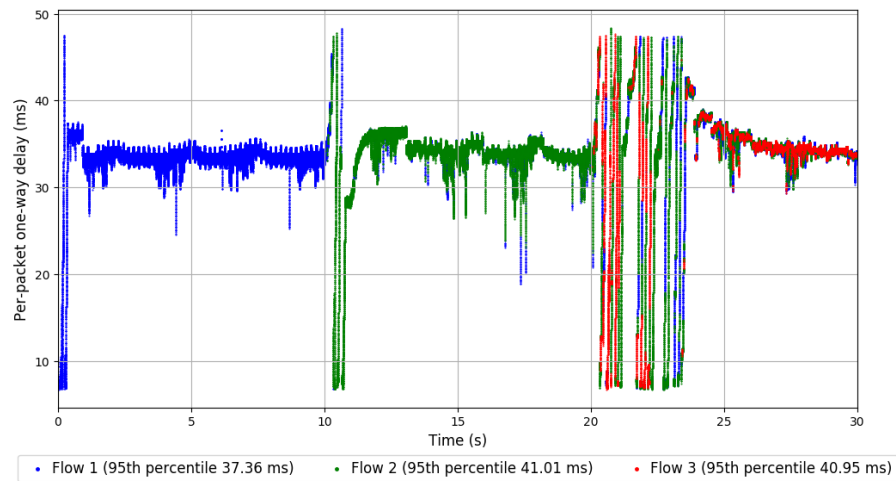
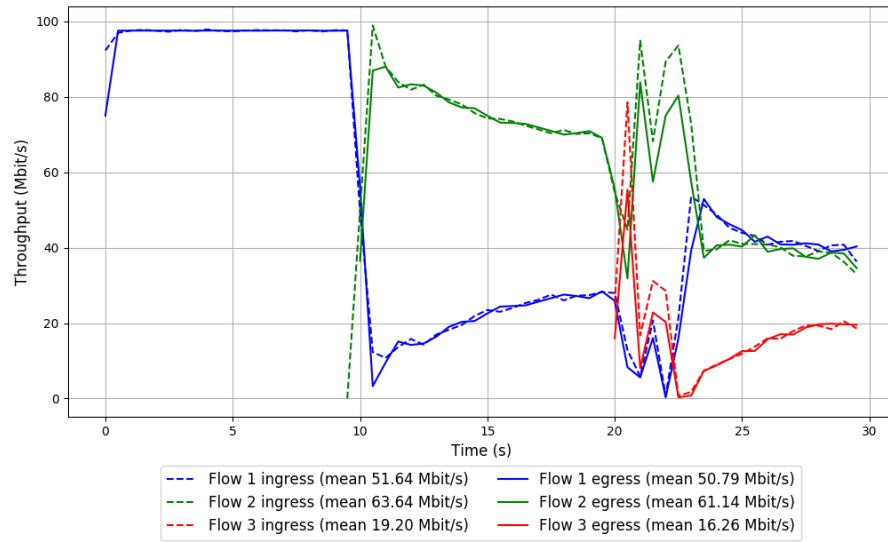
-- Flow 3:

Average throughput: 16.26 Mbit/s

95th percentile per-packet one-way delay: 40.954 ms

Loss rate: 15.29%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Tue, 01 Aug 2017 02:07:43 +0000

End at: Tue, 01 Aug 2017 02:08:13 +0000

Local clock offset: 2.103 ms

Remote clock offset: -3.341 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:21:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 43.081 ms

Loss rate: 7.64%

-- Flow 1:

Average throughput: 43.67 Mbit/s

95th percentile per-packet one-way delay: 43.092 ms

Loss rate: 5.19%

-- Flow 2:

Average throughput: 45.01 Mbit/s

95th percentile per-packet one-way delay: 39.604 ms

Loss rate: 4.72%

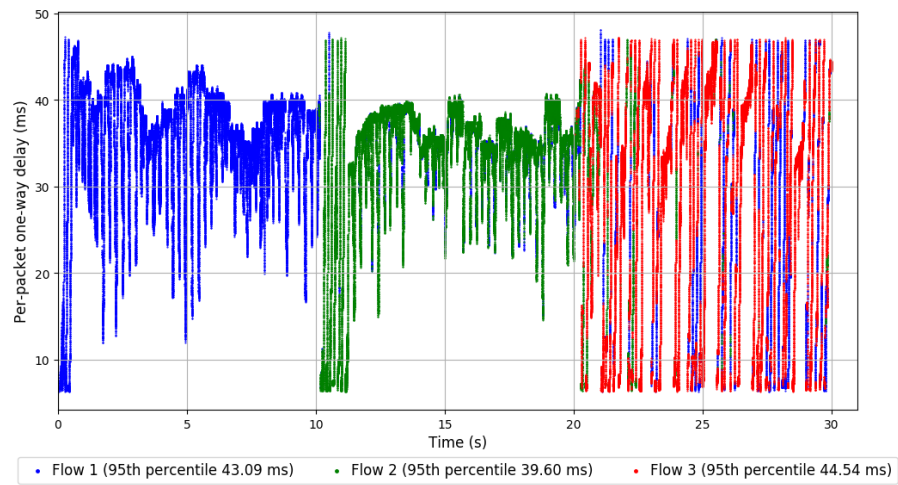
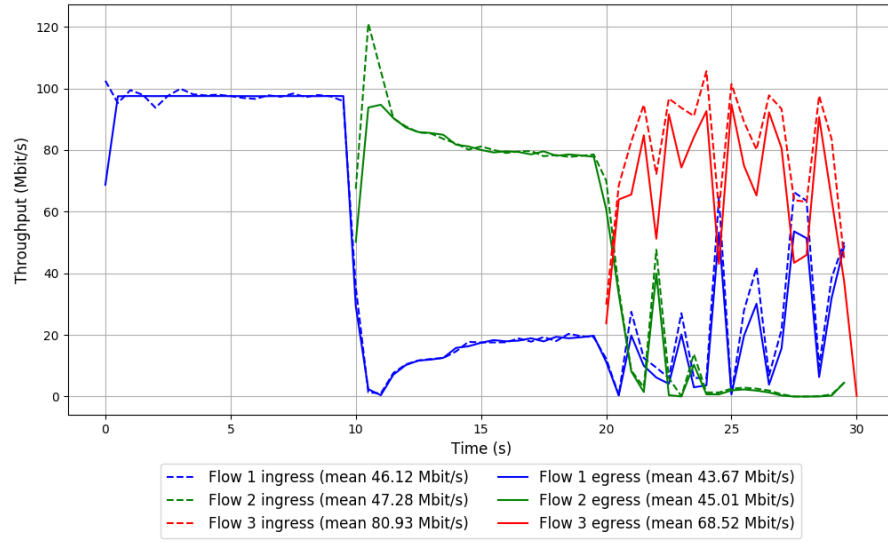
-- Flow 3:

Average throughput: 68.52 Mbit/s

95th percentile per-packet one-way delay: 44.539 ms

Loss rate: 15.26%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Tue, 01 Aug 2017 02:57:04 +0000

End at: Tue, 01 Aug 2017 02:57:34 +0000

Local clock offset: -1.324 ms

Remote clock offset: -3.209 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:21:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.71 Mbit/s

95th percentile per-packet one-way delay: 43.571 ms

Loss rate: 4.59%

-- Flow 1:

Average throughput: 56.20 Mbit/s

95th percentile per-packet one-way delay: 41.024 ms

Loss rate: 2.46%

-- Flow 2:

Average throughput: 33.24 Mbit/s

95th percentile per-packet one-way delay: 45.114 ms

Loss rate: 7.63%

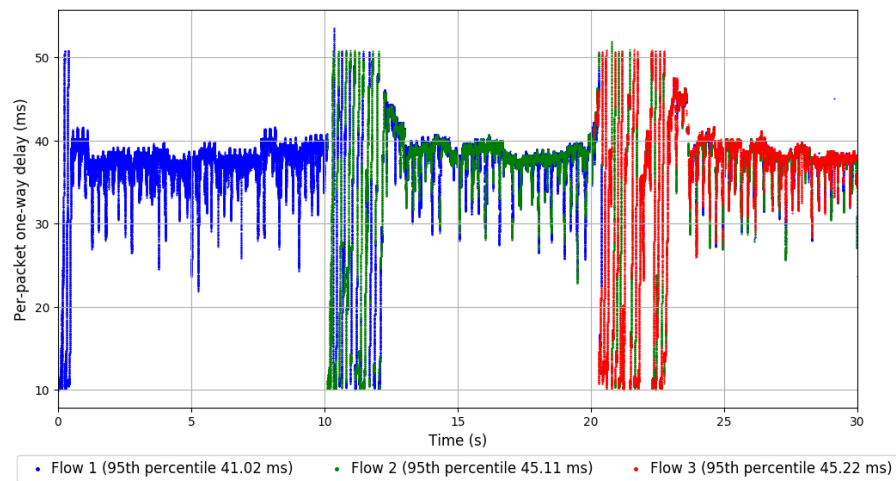
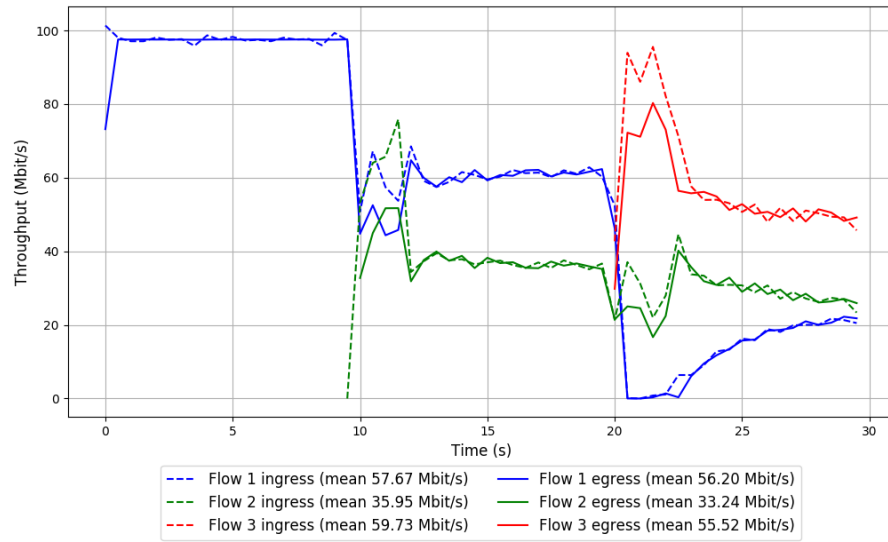
-- Flow 3:

Average throughput: 55.52 Mbit/s

95th percentile per-packet one-way delay: 45.219 ms

Loss rate: 7.11%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Tue, 01 Aug 2017 03:41:38 +0000

End at: Tue, 01 Aug 2017 03:42:08 +0000

Local clock offset: 0.206 ms

Remote clock offset: -4.838 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:21:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.53 Mbit/s

95th percentile per-packet one-way delay: 43.733 ms

Loss rate: 7.84%

-- Flow 1:

Average throughput: 69.05 Mbit/s

95th percentile per-packet one-way delay: 42.677 ms

Loss rate: 4.81%

-- Flow 2:

Average throughput: 37.65 Mbit/s

95th percentile per-packet one-way delay: 45.131 ms

Loss rate: 14.62%

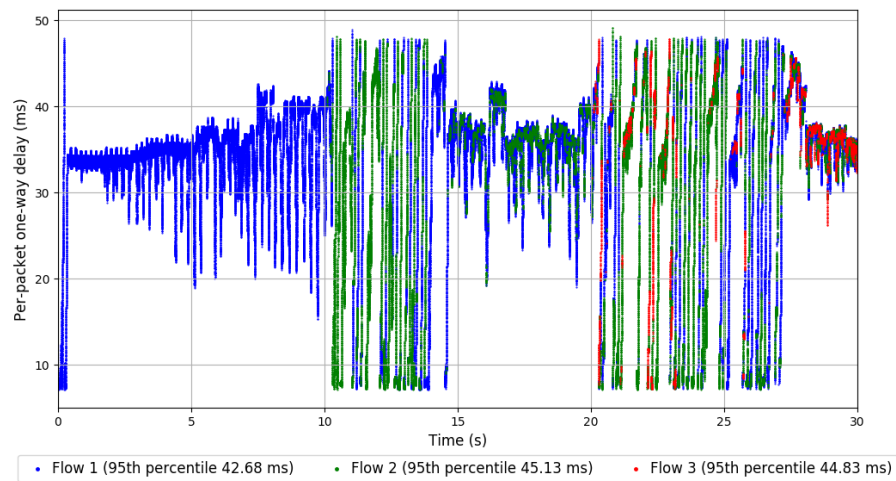
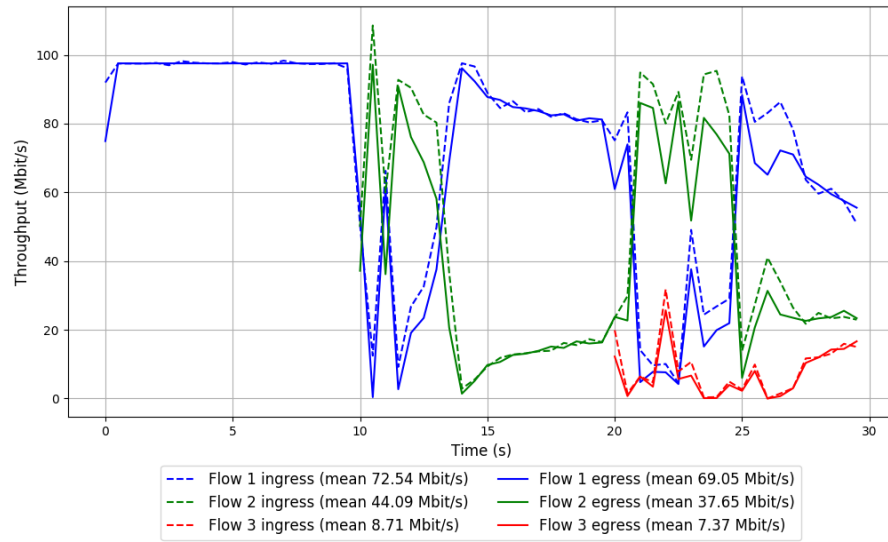
-- Flow 3:

Average throughput: 7.37 Mbit/s

95th percentile per-packet one-way delay: 44.833 ms

Loss rate: 15.29%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Tue, 01 Aug 2017 04:12:50 +0000

End at: Tue, 01 Aug 2017 04:13:20 +0000

Local clock offset: 1.866 ms

Remote clock offset: -2.163 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:21:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.73 Mbit/s

95th percentile per-packet one-way delay: 45.609 ms

Loss rate: 7.66%

-- Flow 1:

Average throughput: 57.92 Mbit/s

95th percentile per-packet one-way delay: 43.406 ms

Loss rate: 5.34%

-- Flow 2:

Average throughput: 22.16 Mbit/s

95th percentile per-packet one-way delay: 45.155 ms

Loss rate: 12.50%

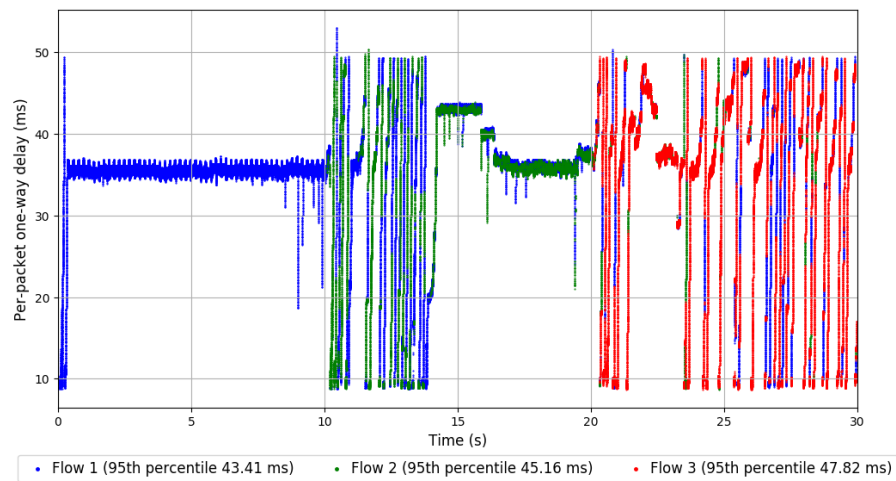
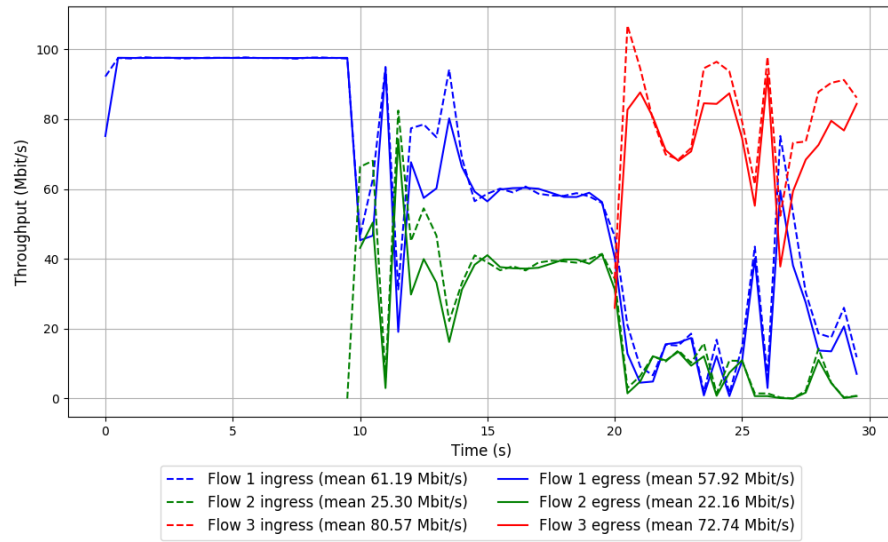
-- Flow 3:

Average throughput: 72.74 Mbit/s

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

Loss rate: 9.91%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Tue, 01 Aug 2017 04:31:15 +0000

End at: Tue, 01 Aug 2017 04:31:45 +0000

Local clock offset: 2.43 ms

Remote clock offset: -2.018 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:21:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.71 Mbit/s

95th percentile per-packet one-way delay: 45.527 ms

Loss rate: 13.78%

-- Flow 1:

Average throughput: 61.10 Mbit/s

95th percentile per-packet one-way delay: 44.792 ms

Loss rate: 9.41%

-- Flow 2:

Average throughput: 35.52 Mbit/s

95th percentile per-packet one-way delay: 46.233 ms

Loss rate: 20.95%

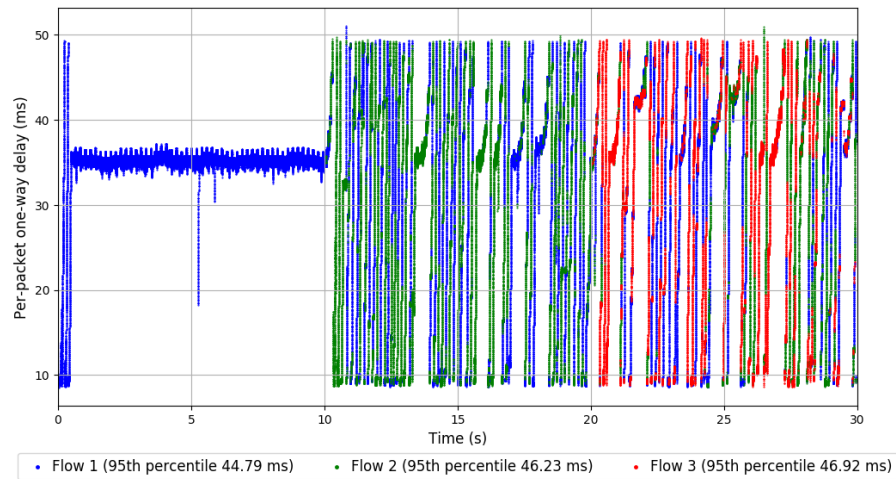
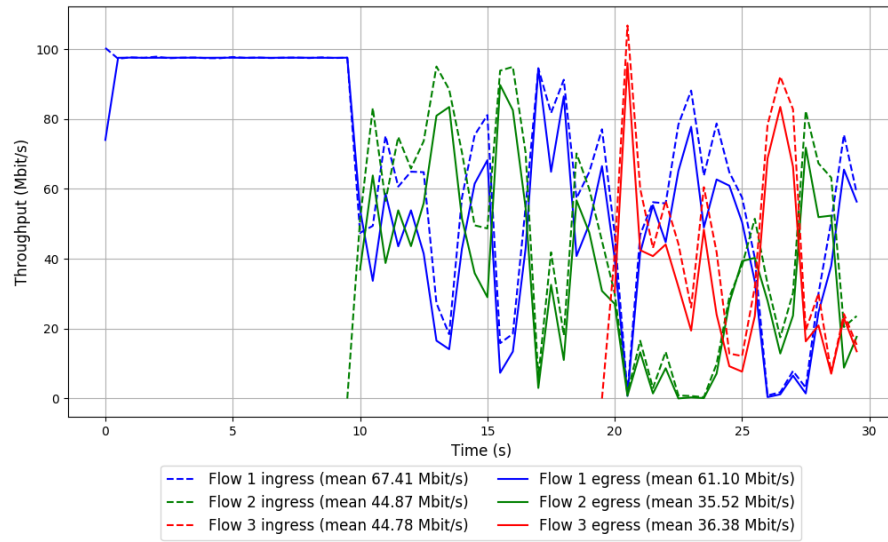
-- Flow 3:

Average throughput: 36.38 Mbit/s

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

Loss rate: 19.15%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Mon, 31 Jul 2017 23:43:47 +0000

End at: Mon, 31 Jul 2017 23:44:17 +0000

Local clock offset: -0.934 ms

Remote clock offset: -4.42 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:21:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.27 Mbit/s

95th percentile per-packet one-way delay: 19.117 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.31 Mbit/s

95th percentile per-packet one-way delay: 18.136 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.43 Mbit/s

95th percentile per-packet one-way delay: 19.566 ms

Loss rate: 0.00%

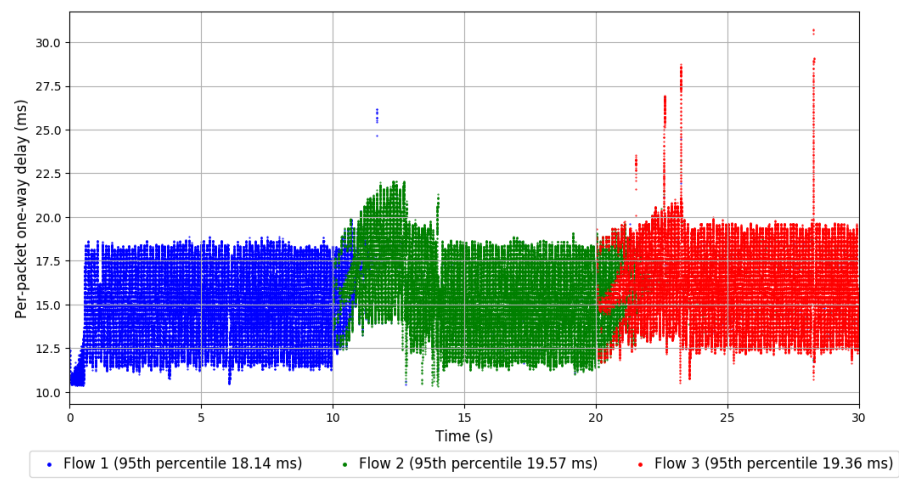
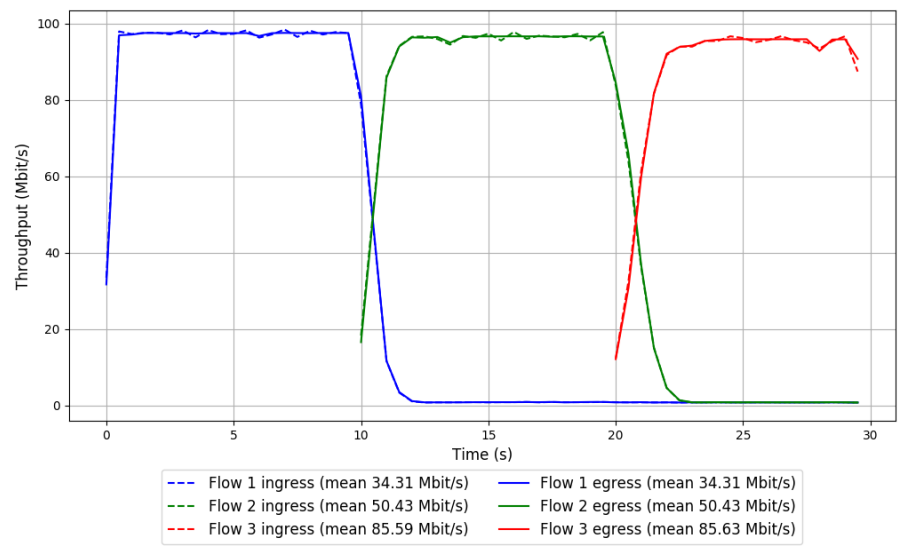
-- Flow 3:

Average throughput: 85.63 Mbit/s

95th percentile per-packet one-way delay: 19.355 ms

Loss rate: 0.00%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Tue, 01 Aug 2017 00:01:46 +0000

End at: Tue, 01 Aug 2017 00:02:16 +0000

Local clock offset: 1.044 ms

Remote clock offset: -4.363 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:21:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 17.276 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.81 Mbit/s

95th percentile per-packet one-way delay: 16.309 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 49.89 Mbit/s

95th percentile per-packet one-way delay: 17.545 ms

Loss rate: 0.00%

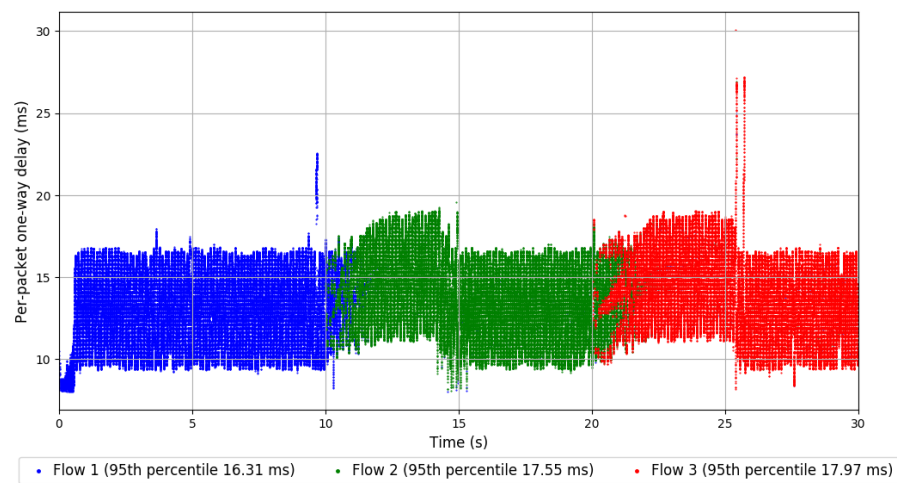
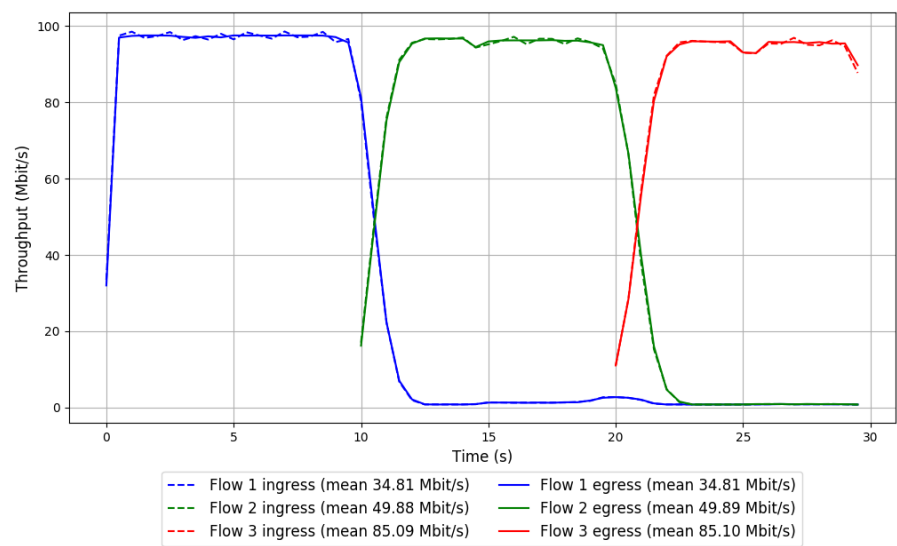
-- Flow 3:

Average throughput: 85.10 Mbit/s

95th percentile per-packet one-way delay: 17.974 ms

Loss rate: 0.00%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Tue, 01 Aug 2017 00:21:24 +0000

End at: Tue, 01 Aug 2017 00:21:54 +0000

Local clock offset: 3.657 ms

Remote clock offset: -3.854 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:21:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.36 Mbit/s

95th percentile per-packet one-way delay: 14.903 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.56 Mbit/s

95th percentile per-packet one-way delay: 14.250 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 65.61 Mbit/s

95th percentile per-packet one-way delay: 15.499 ms

Loss rate: 0.00%

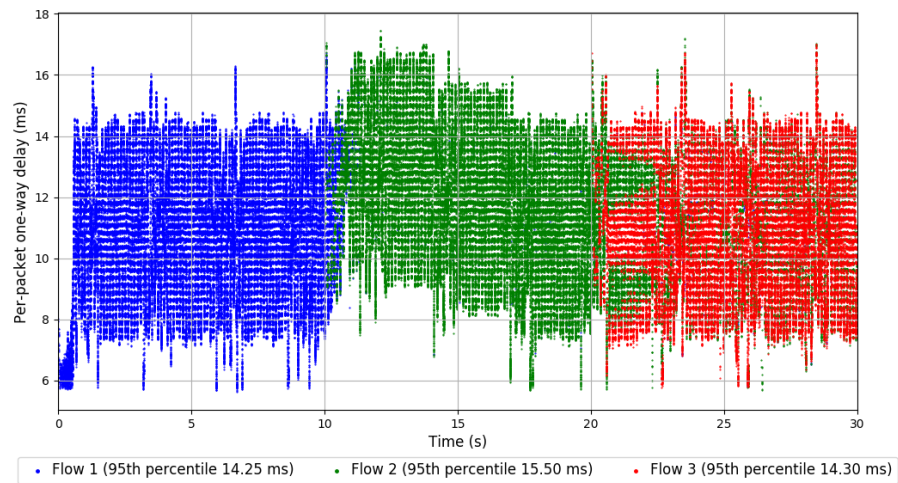
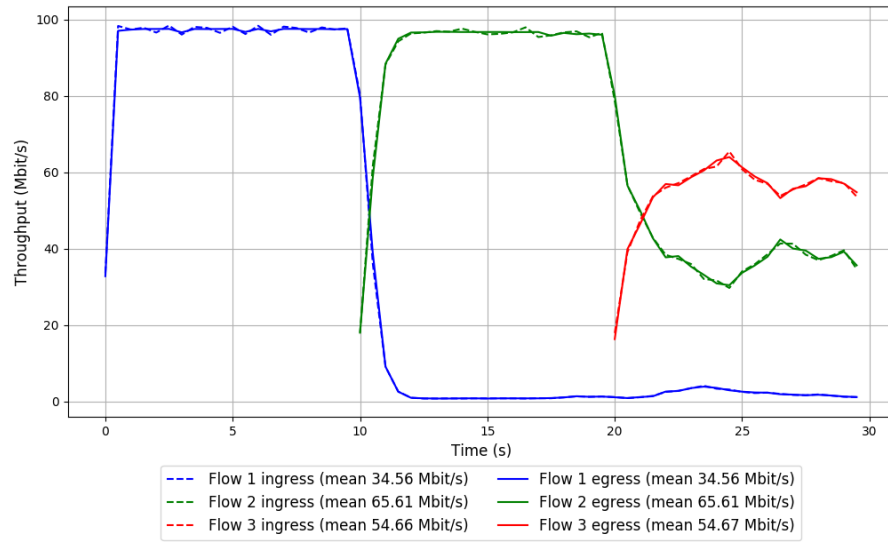
-- Flow 3:

Average throughput: 54.67 Mbit/s

95th percentile per-packet one-way delay: 14.297 ms

Loss rate: 0.00%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Tue, 01 Aug 2017 01:10:15 +0000

End at: Tue, 01 Aug 2017 01:10:45 +0000

Local clock offset: 0.804 ms

Remote clock offset: -4.087 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:22:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.24 Mbit/s

95th percentile per-packet one-way delay: 18.222 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.03 Mbit/s

95th percentile per-packet one-way delay: 16.843 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.97 Mbit/s

95th percentile per-packet one-way delay: 17.020 ms

Loss rate: 0.00%

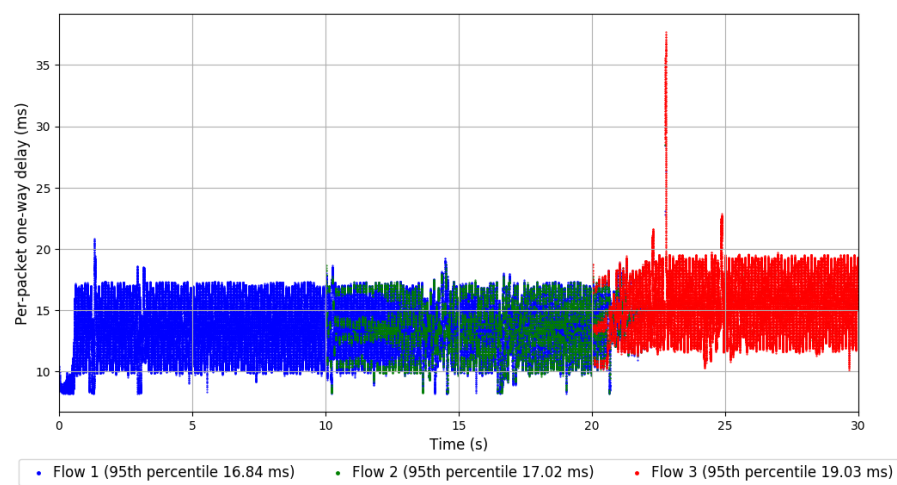
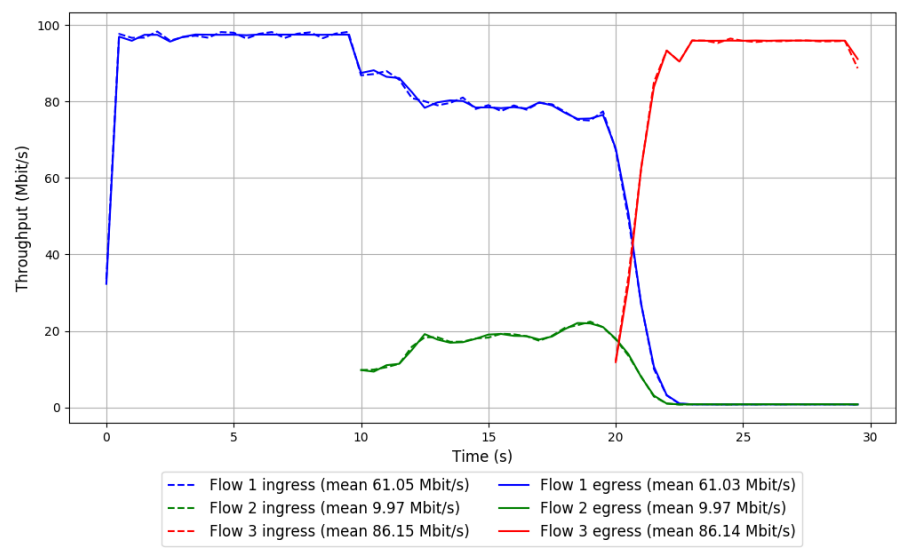
-- Flow 3:

Average throughput: 86.14 Mbit/s

95th percentile per-packet one-way delay: 19.030 ms

Loss rate: 0.00%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Tue, 01 Aug 2017 01:29:37 +0000

End at: Tue, 01 Aug 2017 01:30:07 +0000

Local clock offset: 2.827 ms

Remote clock offset: -4.678 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:22:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 14.593 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.93 Mbit/s

95th percentile per-packet one-way delay: 14.537 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 59.96 Mbit/s

95th percentile per-packet one-way delay: 14.813 ms

Loss rate: 0.00%

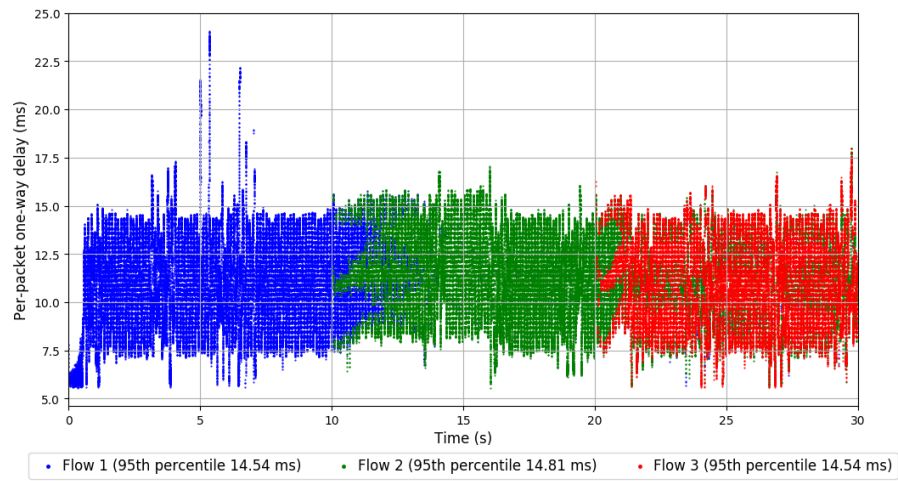
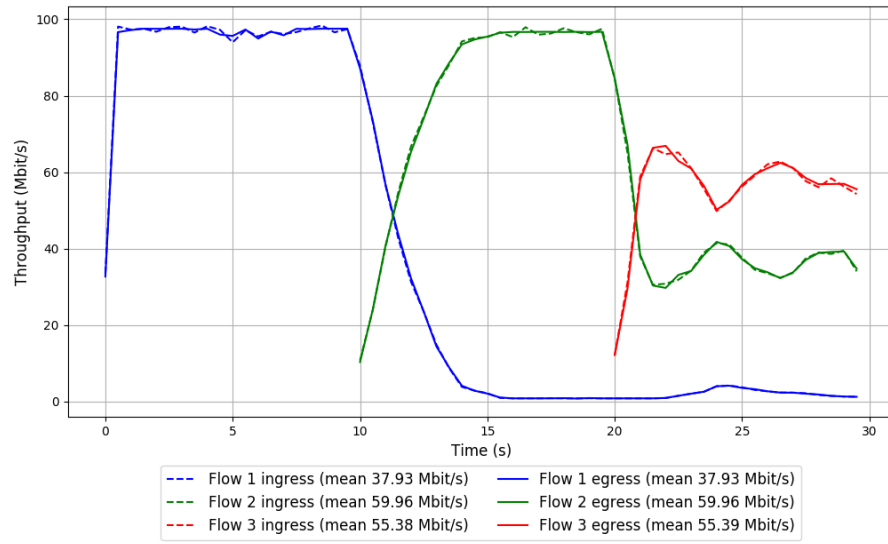
-- Flow 3:

Average throughput: 55.39 Mbit/s

95th percentile per-packet one-way delay: 14.537 ms

Loss rate: 0.00%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Tue, 01 Aug 2017 02:11:02 +0000

End at: Tue, 01 Aug 2017 02:11:32 +0000

Local clock offset: 0.069 ms

Remote clock offset: -3.057 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:22:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 18.529 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 65.66 Mbit/s

95th percentile per-packet one-way delay: 18.624 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.99 Mbit/s

95th percentile per-packet one-way delay: 18.458 ms

Loss rate: 0.00%

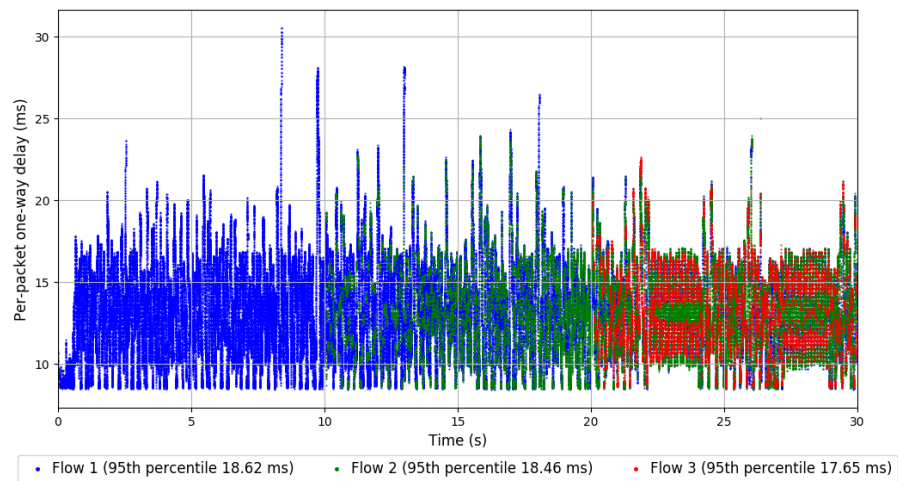
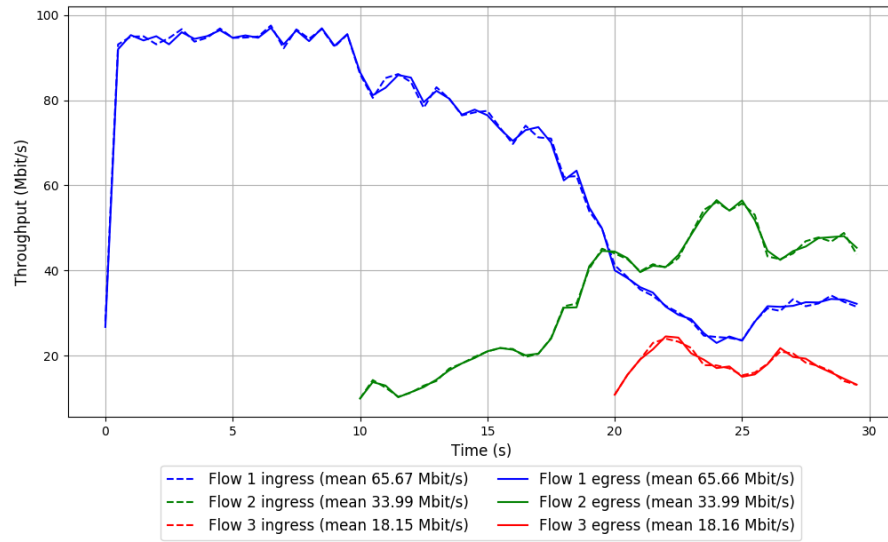
-- Flow 3:

Average throughput: 18.16 Mbit/s

95th percentile per-packet one-way delay: 17.648 ms

Loss rate: 0.00%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Tue, 01 Aug 2017 03:02:22 +0000

End at: Tue, 01 Aug 2017 03:02:52 +0000

Local clock offset: -0.32 ms

Remote clock offset: -3.432 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:22:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.45 Mbit/s

95th percentile per-packet one-way delay: 18.692 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 82.77 Mbit/s

95th percentile per-packet one-way delay: 18.689 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.23 Mbit/s

95th percentile per-packet one-way delay: 18.875 ms

Loss rate: 0.00%

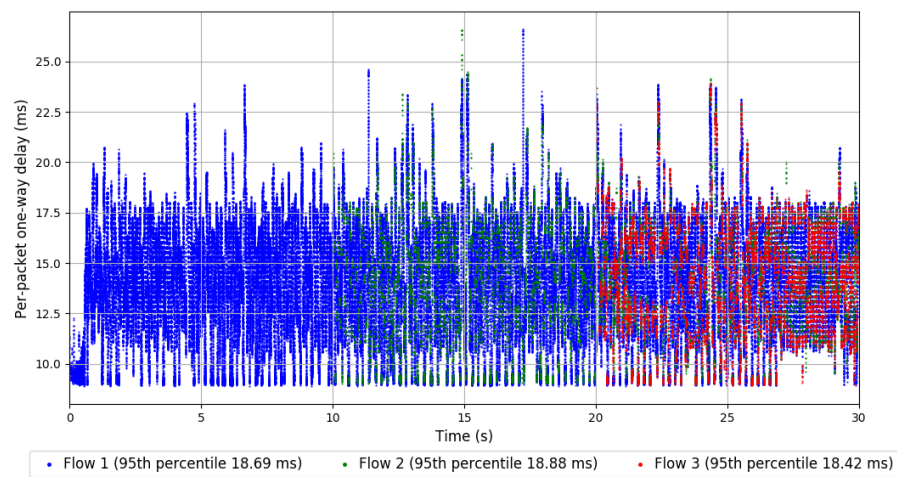
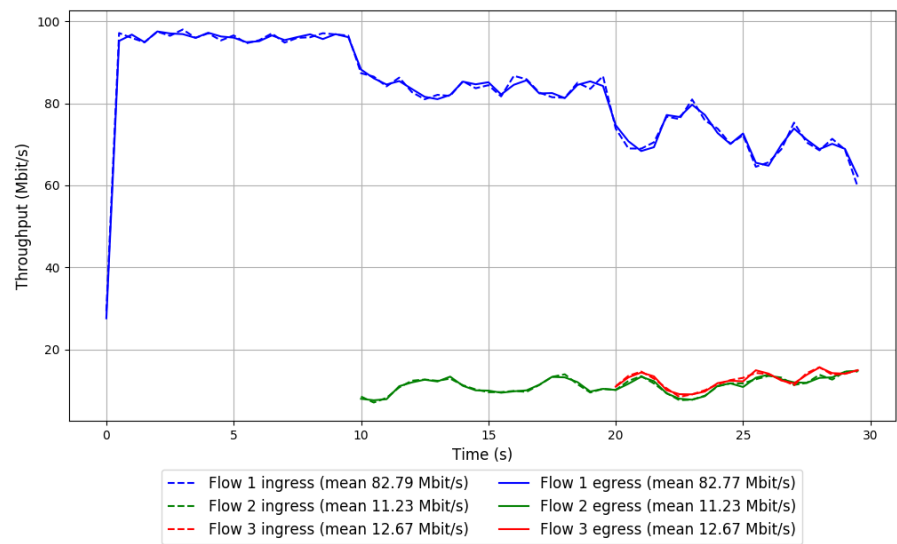
-- Flow 3:

Average throughput: 12.67 Mbit/s

95th percentile per-packet one-way delay: 18.421 ms

Loss rate: 0.00%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Tue, 01 Aug 2017 03:49:40 +0000

End at: Tue, 01 Aug 2017 03:50:10 +0000

Local clock offset: 0.127 ms

Remote clock offset: -4.094 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:22:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.87 Mbit/s

95th percentile per-packet one-way delay: 19.439 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 83.86 Mbit/s

95th percentile per-packet one-way delay: 19.535 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 18.571 ms

Loss rate: 0.00%

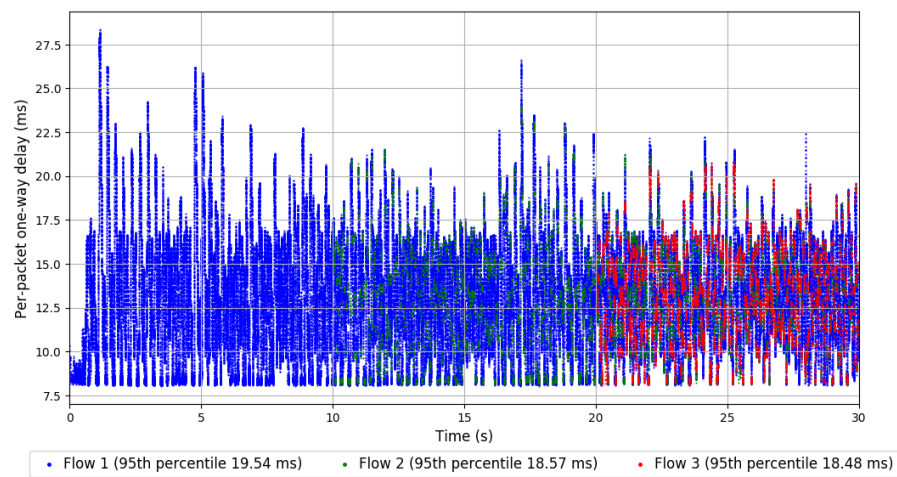
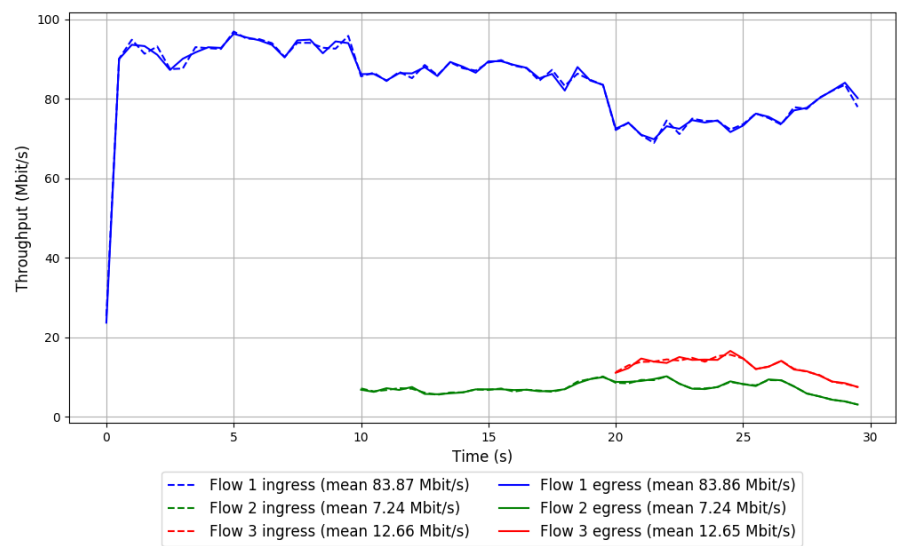
-- Flow 3:

Average throughput: 12.65 Mbit/s

95th percentile per-packet one-way delay: 18.479 ms

Loss rate: 0.00%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Tue, 01 Aug 2017 04:14:03 +0000

End at: Tue, 01 Aug 2017 04:14:33 +0000

Local clock offset: 1.473 ms

Remote clock offset: -1.417 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:22:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.20 Mbit/s

95th percentile per-packet one-way delay: 20.774 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.67 Mbit/s

95th percentile per-packet one-way delay: 17.850 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 76.81 Mbit/s

95th percentile per-packet one-way delay: 21.039 ms

Loss rate: 0.00%

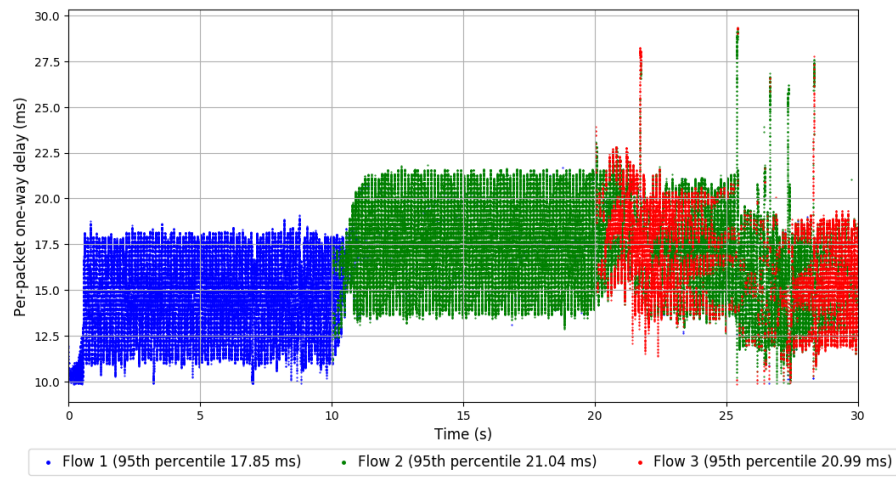
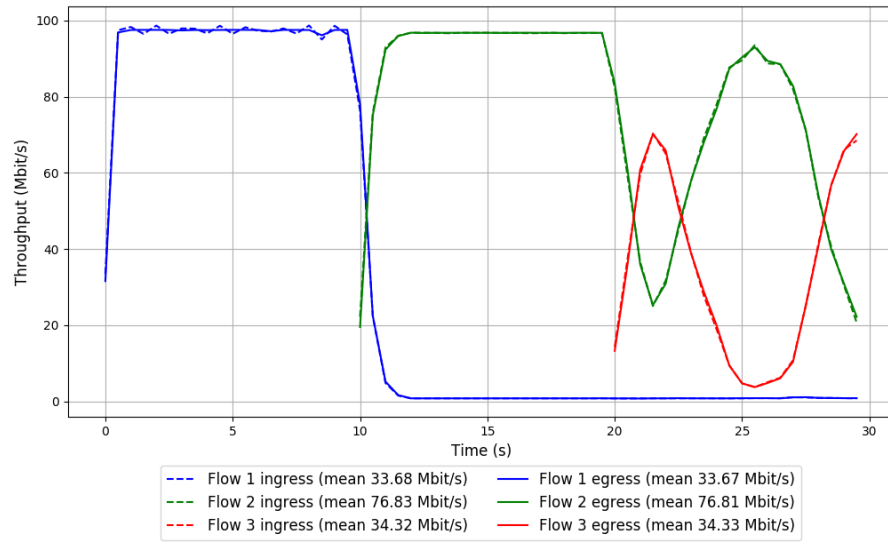
-- Flow 3:

Average throughput: 34.33 Mbit/s

95th percentile per-packet one-way delay: 20.994 ms

Loss rate: 0.00%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Tue, 01 Aug 2017 04:32:45 +0000

End at: Tue, 01 Aug 2017 04:33:15 +0000

Local clock offset: 2.78 ms

Remote clock offset: -2.408 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:22:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.33 Mbit/s

95th percentile per-packet one-way delay: 17.149 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.04 Mbit/s

95th percentile per-packet one-way delay: 16.635 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 53.09 Mbit/s

95th percentile per-packet one-way delay: 17.832 ms

Loss rate: 0.00%

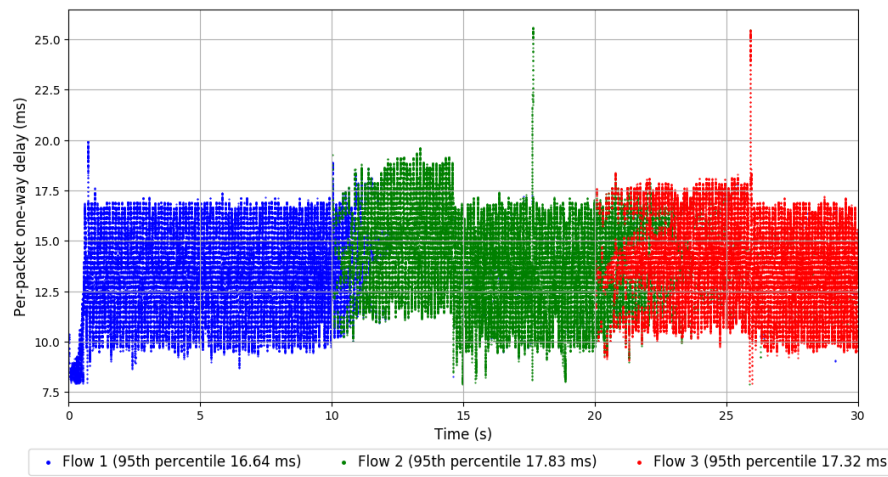
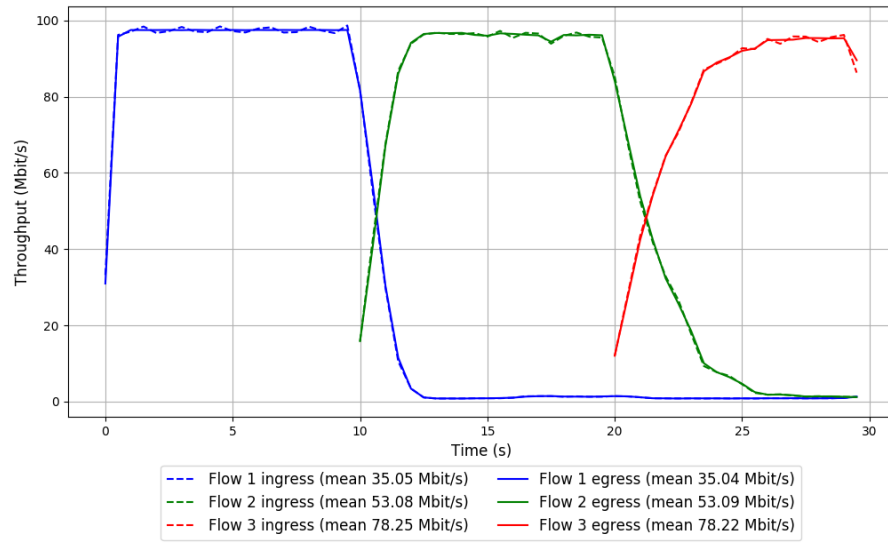
-- Flow 3:

Average throughput: 78.22 Mbit/s

95th percentile per-packet one-way delay: 17.325 ms

Loss rate: 0.00%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Mon, 31 Jul 2017 23:49:48 +0000

End at: Mon, 31 Jul 2017 23:50:18 +0000

Local clock offset: 4.824 ms

Remote clock offset: -4.948 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:23:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.70 Mbit/s

95th percentile per-packet one-way delay: 4.377 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.11 Mbit/s

95th percentile per-packet one-way delay: 4.320 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.42 Mbit/s

95th percentile per-packet one-way delay: 4.414 ms

Loss rate: 0.00%

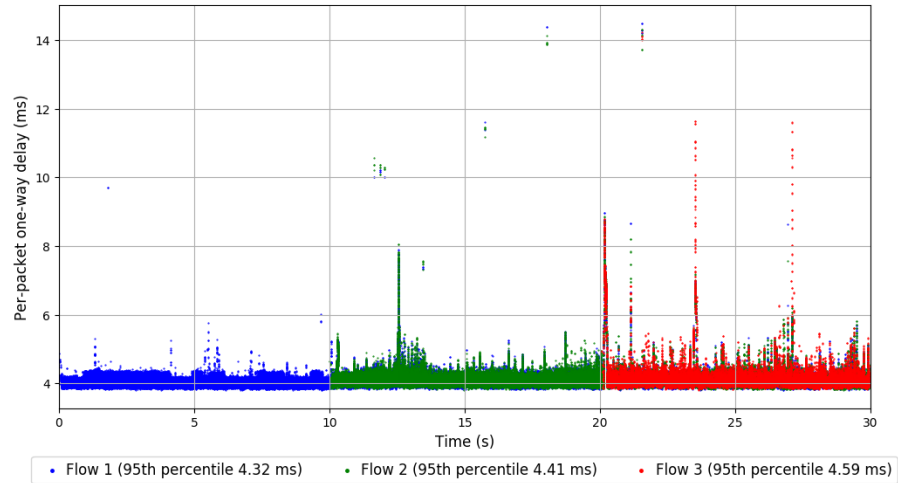
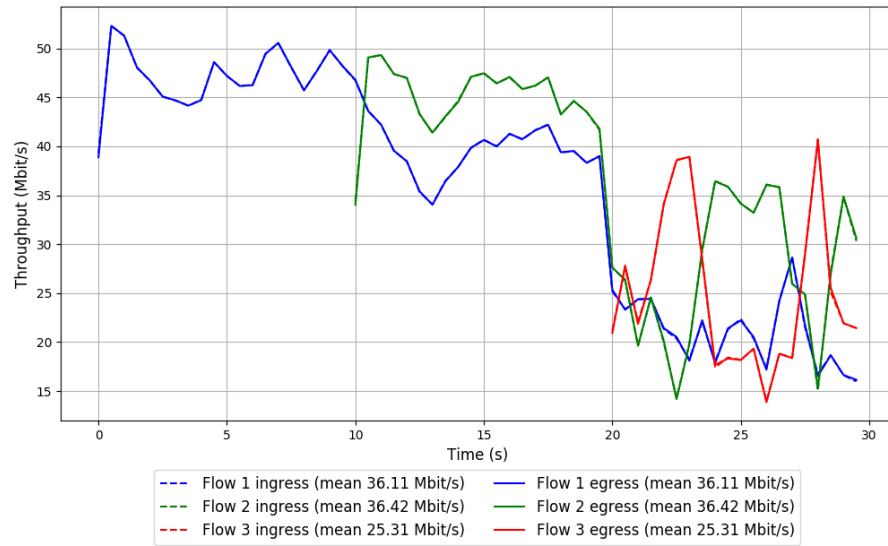
-- Flow 3:

Average throughput: 25.31 Mbit/s

95th percentile per-packet one-way delay: 4.593 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Tue, 01 Aug 2017 00:08:11 +0000

End at: Tue, 01 Aug 2017 00:08:41 +0000

Local clock offset: 4.87 ms

Remote clock offset: -3.46 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:23:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.89 Mbit/s

95th percentile per-packet one-way delay: 5.658 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.15 Mbit/s

95th percentile per-packet one-way delay: 5.580 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.15 Mbit/s

95th percentile per-packet one-way delay: 5.720 ms

Loss rate: 0.00%

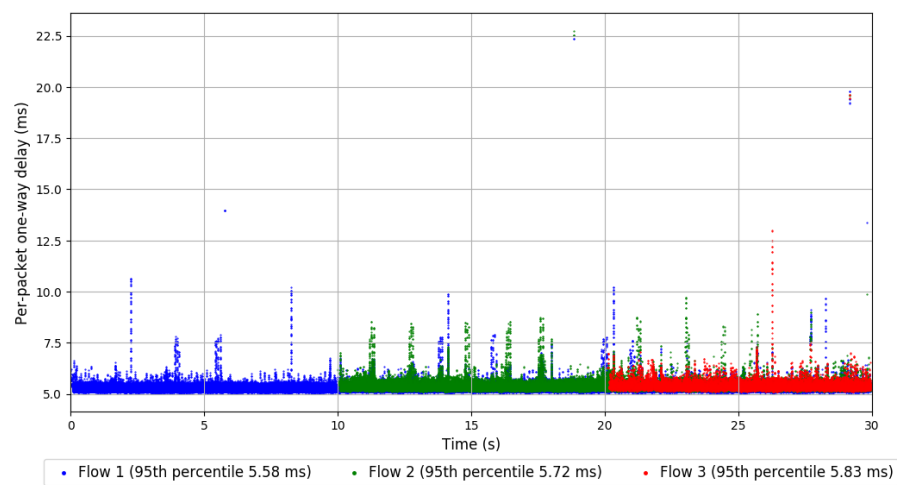
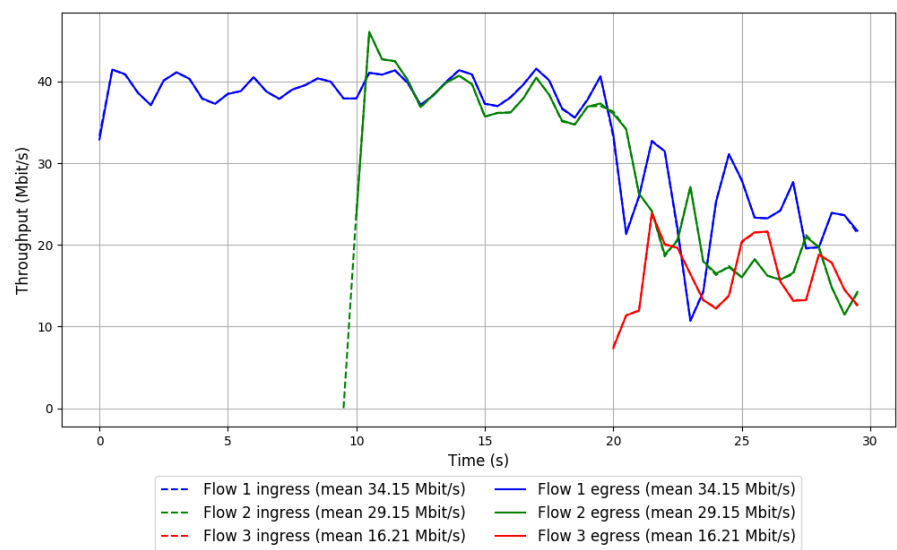
-- Flow 3:

Average throughput: 16.21 Mbit/s

95th percentile per-packet one-way delay: 5.832 ms

Loss rate: 0.01%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Tue, 01 Aug 2017 00:33:05 +0000

End at: Tue, 01 Aug 2017 00:33:35 +0000

Local clock offset: 3.658 ms

Remote clock offset: -4.228 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:23:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.46 Mbit/s

95th percentile per-packet one-way delay: 5.924 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 29.64 Mbit/s

95th percentile per-packet one-way delay: 5.864 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.55 Mbit/s

95th percentile per-packet one-way delay: 5.967 ms

Loss rate: 0.00%

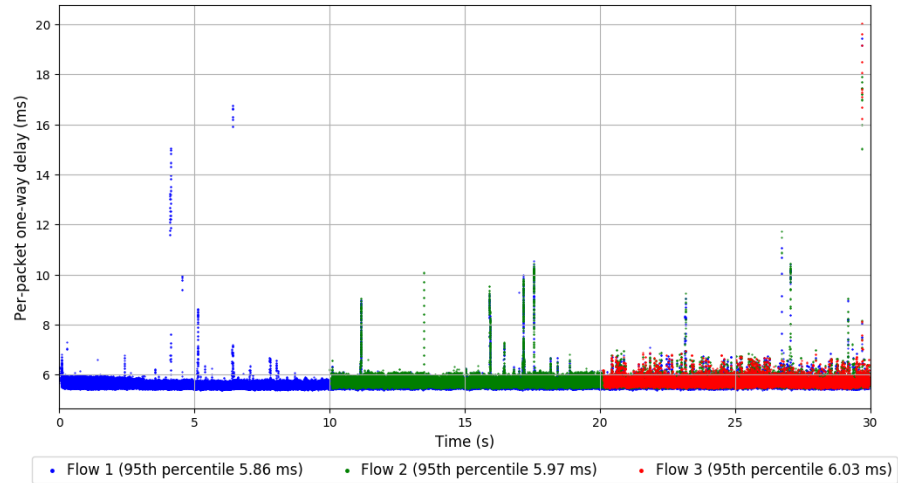
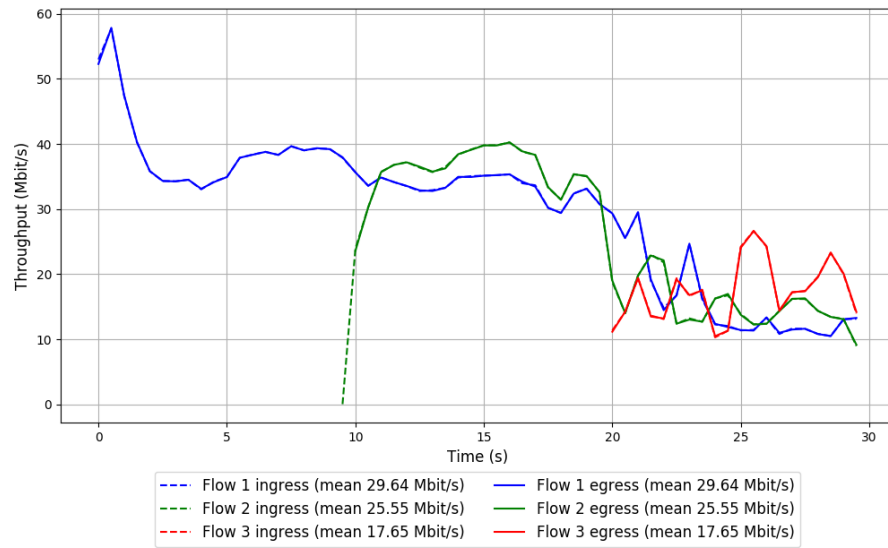
-- Flow 3:

Average throughput: 17.65 Mbit/s

95th percentile per-packet one-way delay: 6.025 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Tue, 01 Aug 2017 01:16:24 +0000

End at: Tue, 01 Aug 2017 01:16:54 +0000

Local clock offset: -0.07 ms

Remote clock offset: -4.063 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:23:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.47 Mbit/s

95th percentile per-packet one-way delay: 9.837 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.50 Mbit/s

95th percentile per-packet one-way delay: 9.766 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.22 Mbit/s

95th percentile per-packet one-way delay: 9.906 ms

Loss rate: 0.00%

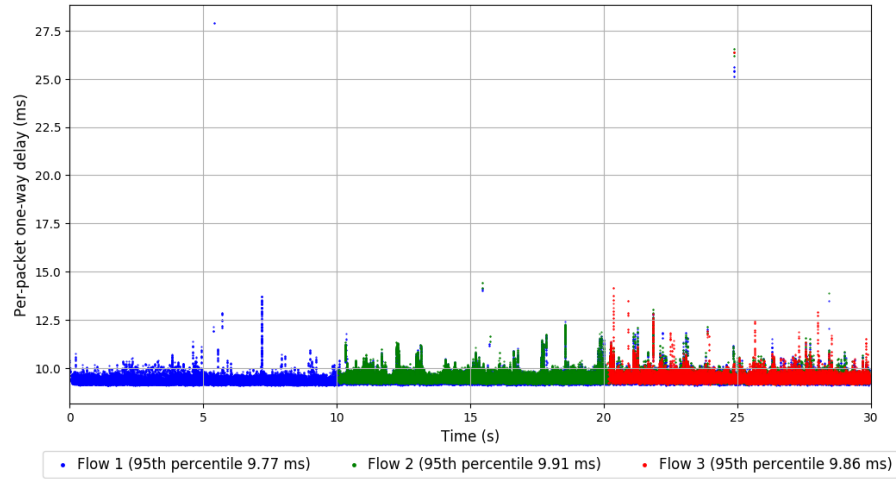
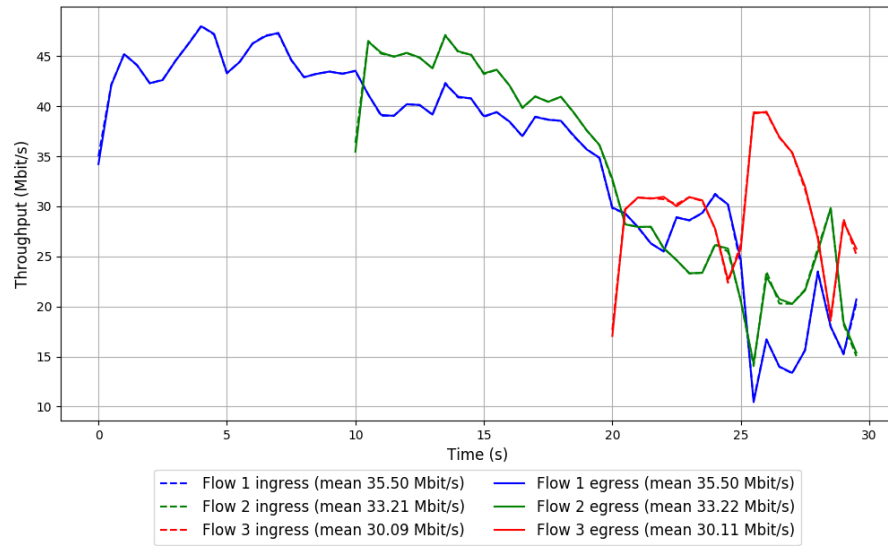
-- Flow 3:

Average throughput: 30.11 Mbit/s

95th percentile per-packet one-way delay: 9.862 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Tue, 01 Aug 2017 01:43:48 +0000

End at: Tue, 01 Aug 2017 01:44:18 +0000

Local clock offset: 1.503 ms

Remote clock offset: -5.293 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:23:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.87 Mbit/s

95th percentile per-packet one-way delay: 6.282 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 28.91 Mbit/s

95th percentile per-packet one-way delay: 6.243 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 21.57 Mbit/s

95th percentile per-packet one-way delay: 6.311 ms

Loss rate: 0.00%

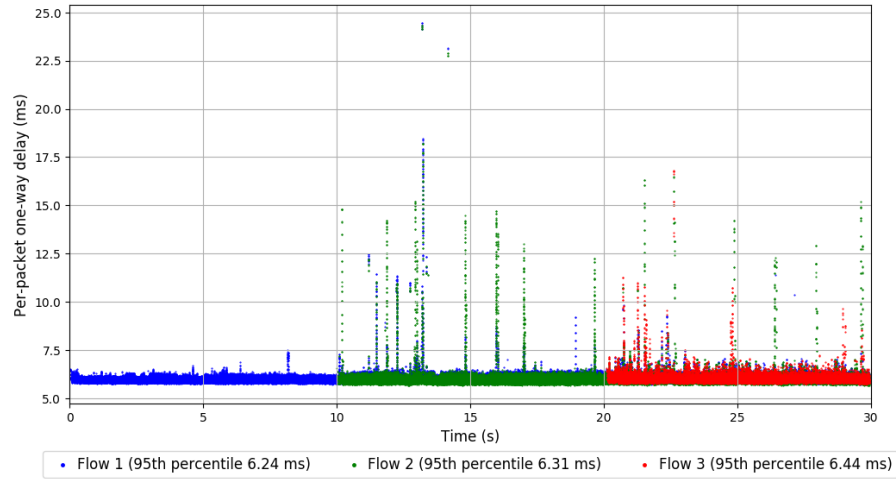
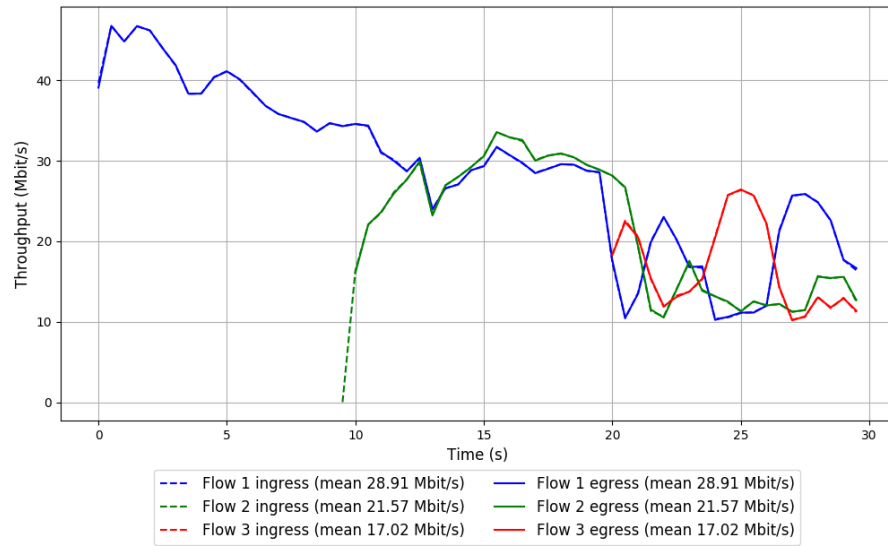
-- Flow 3:

Average throughput: 17.02 Mbit/s

95th percentile per-packet one-way delay: 6.439 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Tue, 01 Aug 2017 02:21:09 +0000

End at: Tue, 01 Aug 2017 02:21:39 +0000

Local clock offset: -1.119 ms

Remote clock offset: -2.884 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:23:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.48 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 33.69 Mbit/s

95th percentile per-packet one-way delay: 10.073 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.04 Mbit/s

95th percentile per-packet one-way delay: 10.126 ms

Loss rate: 0.00%

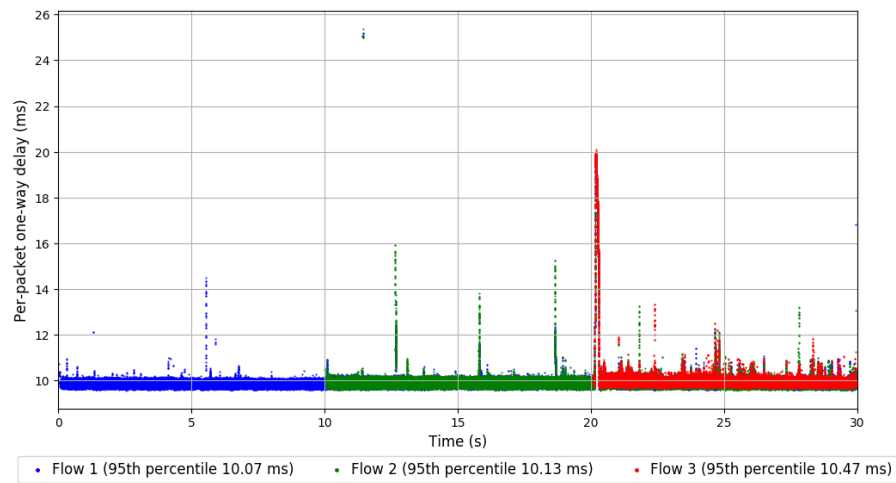
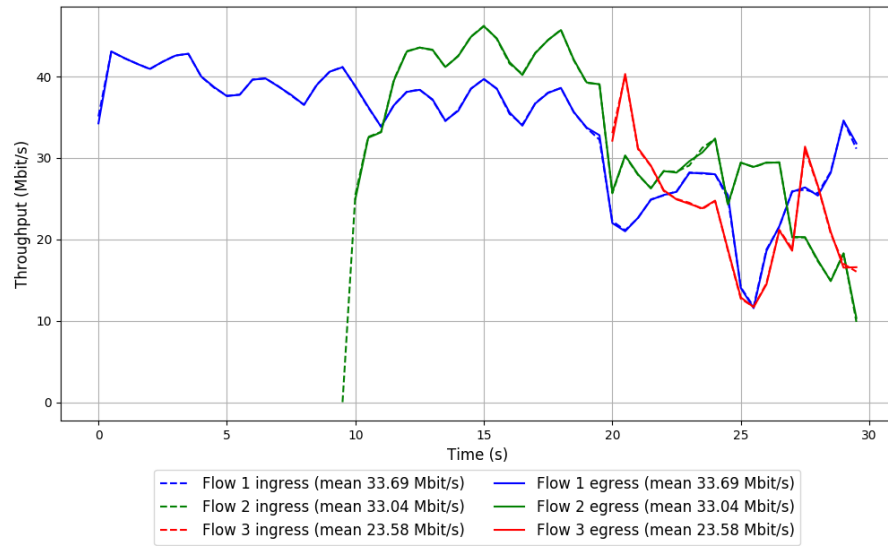
-- Flow 3:

Average throughput: 23.58 Mbit/s

95th percentile per-packet one-way delay: 10.469 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Tue, 01 Aug 2017 03:14:12 +0000

End at: Tue, 01 Aug 2017 03:14:42 +0000

Local clock offset: -0.384 ms

Remote clock offset: -4.278 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:23:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.21 Mbit/s

95th percentile per-packet one-way delay: 8.646 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 29.45 Mbit/s

95th percentile per-packet one-way delay: 8.615 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 26.15 Mbit/s

95th percentile per-packet one-way delay: 8.643 ms

Loss rate: 0.01%

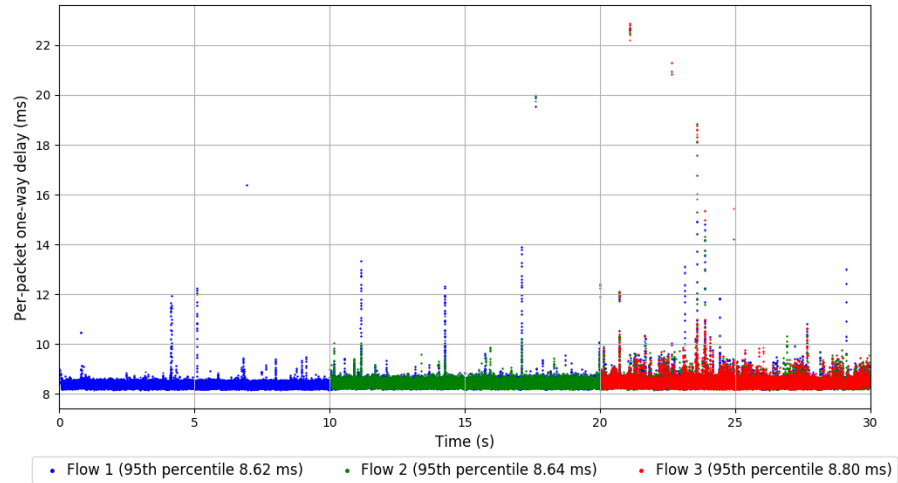
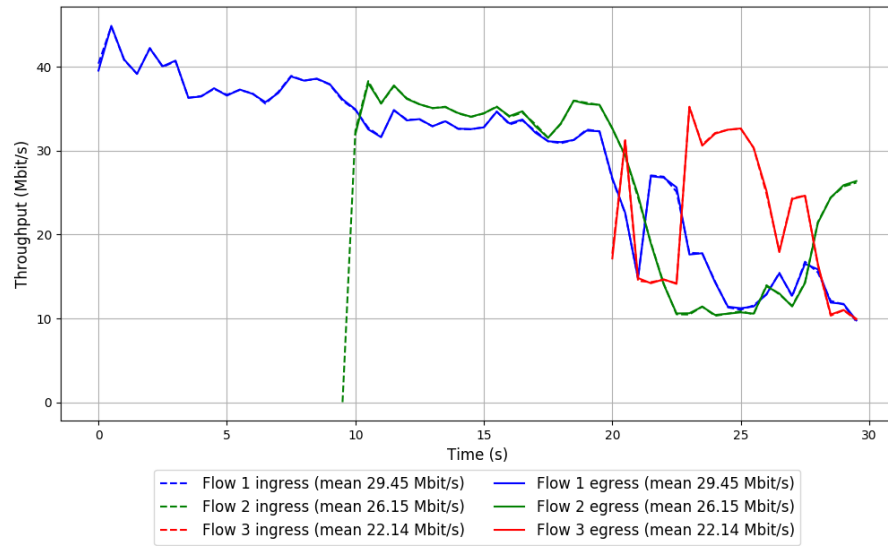
-- Flow 3:

Average throughput: 22.14 Mbit/s

95th percentile per-packet one-way delay: 8.800 ms

Loss rate: 0.01%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Tue, 01 Aug 2017 03:59:37 +0000

End at: Tue, 01 Aug 2017 04:00:07 +0000

Local clock offset: -1.5 ms

Remote clock offset: -5.721 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:23:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.28 Mbit/s

95th percentile per-packet one-way delay: 8.724 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 29.10 Mbit/s

95th percentile per-packet one-way delay: 8.669 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 29.49 Mbit/s

95th percentile per-packet one-way delay: 8.731 ms

Loss rate: 0.00%

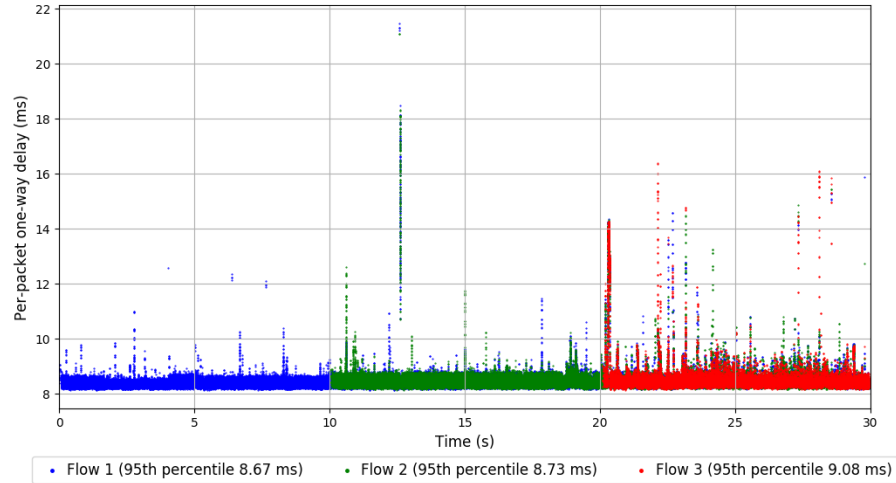
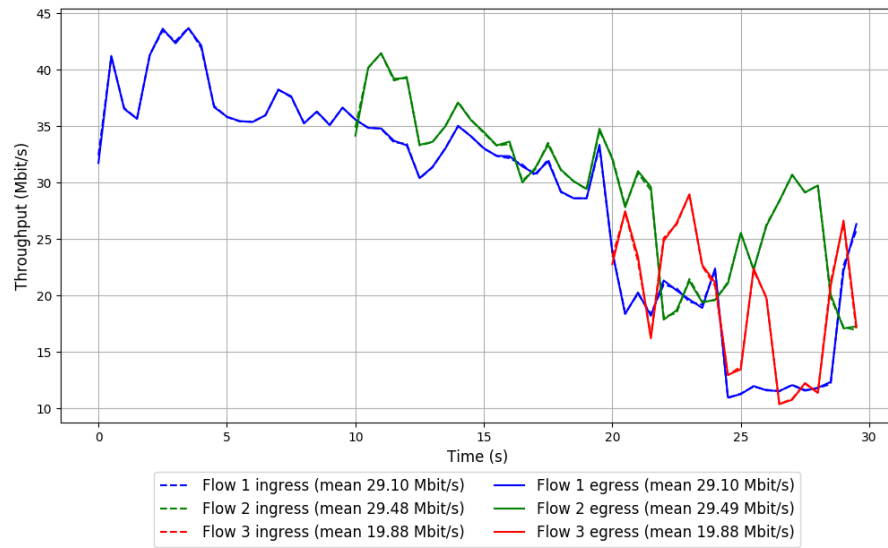
-- Flow 3:

Average throughput: 19.88 Mbit/s

95th percentile per-packet one-way delay: 9.080 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Tue, 01 Aug 2017 04:20:02 +0000

End at: Tue, 01 Aug 2017 04:20:32 +0000

Local clock offset: -0.061 ms

Remote clock offset: -1.923 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:23:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.99 Mbit/s

95th percentile per-packet one-way delay: 11.421 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.36 Mbit/s

95th percentile per-packet one-way delay: 11.372 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.79 Mbit/s

95th percentile per-packet one-way delay: 11.447 ms

Loss rate: 0.00%

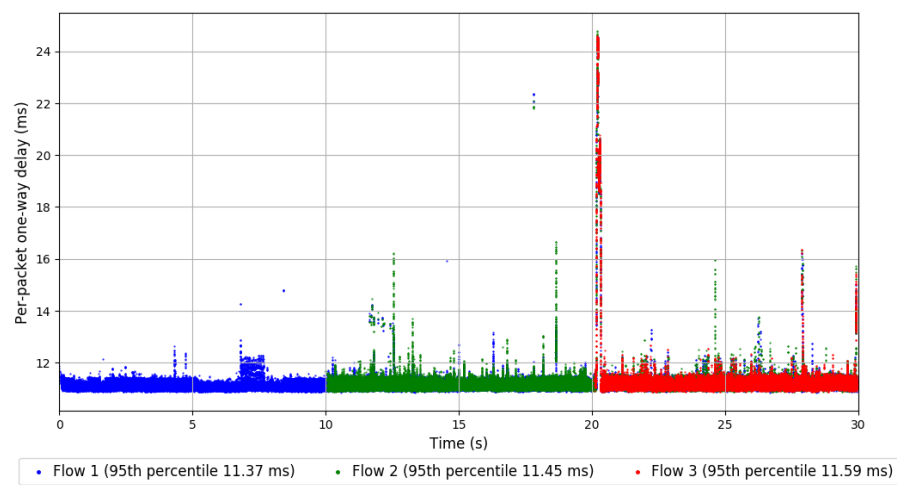
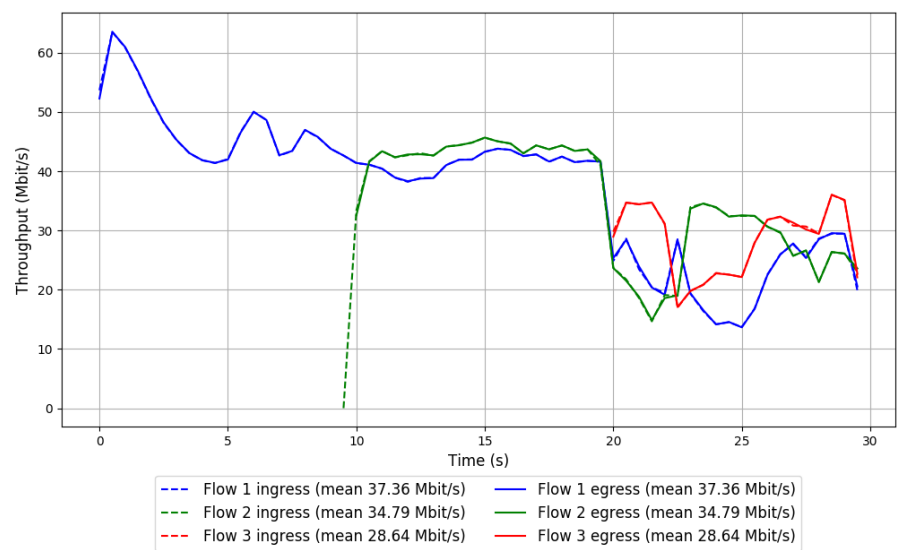
-- Flow 3:

Average throughput: 28.64 Mbit/s

95th percentile per-packet one-way delay: 11.586 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Tue, 01 Aug 2017 04:39:04 +0000

End at: Tue, 01 Aug 2017 04:39:34 +0000

Local clock offset: 2.008 ms

Remote clock offset: -2.831 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:24:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.46 Mbit/s

95th percentile per-packet one-way delay: 8.737 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.03 Mbit/s

95th percentile per-packet one-way delay: 8.716 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.52 Mbit/s

95th percentile per-packet one-way delay: 8.762 ms

Loss rate: 0.00%

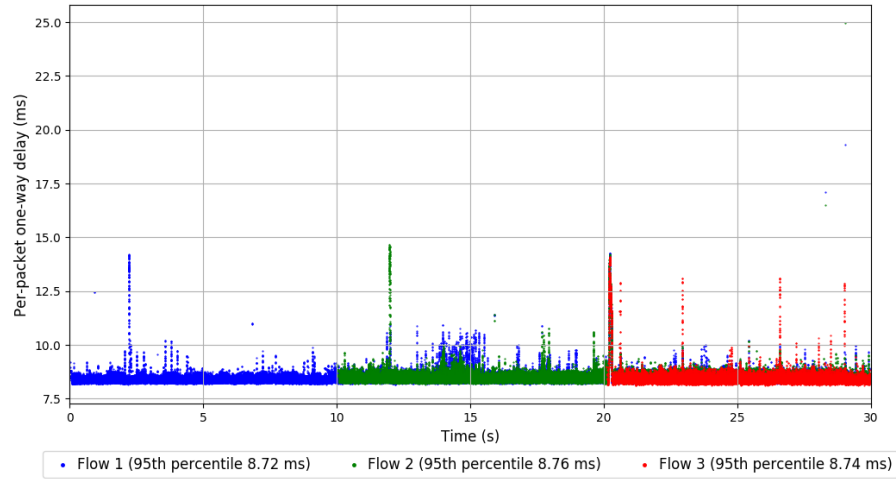
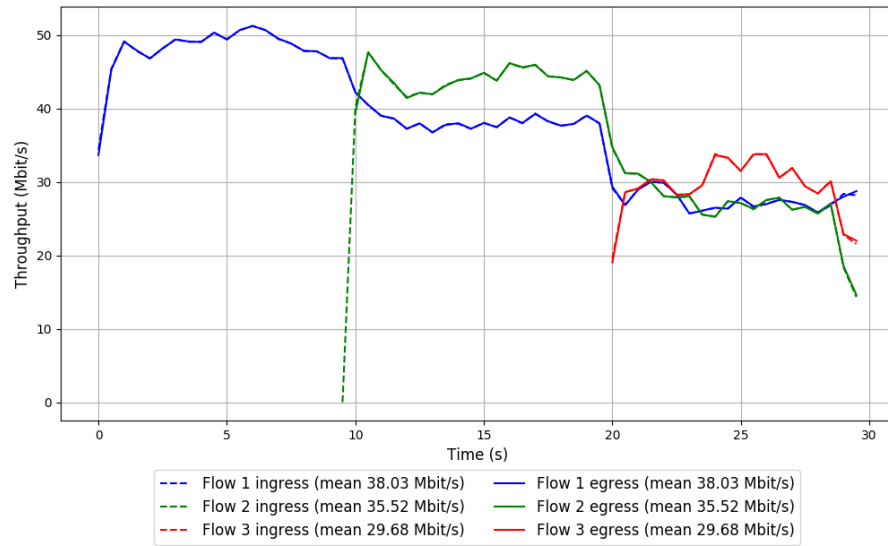
-- Flow 3:

Average throughput: 29.68 Mbit/s

95th percentile per-packet one-way delay: 8.738 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Mon, 31 Jul 2017 23:40:11 +0000

End at: Mon, 31 Jul 2017 23:40:41 +0000

Local clock offset: 1.381 ms

Remote clock offset: -4.458 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:24:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 45.815 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 69.32 Mbit/s

95th percentile per-packet one-way delay: 45.668 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 28.91 Mbit/s

95th percentile per-packet one-way delay: 46.448 ms

Loss rate: 0.85%

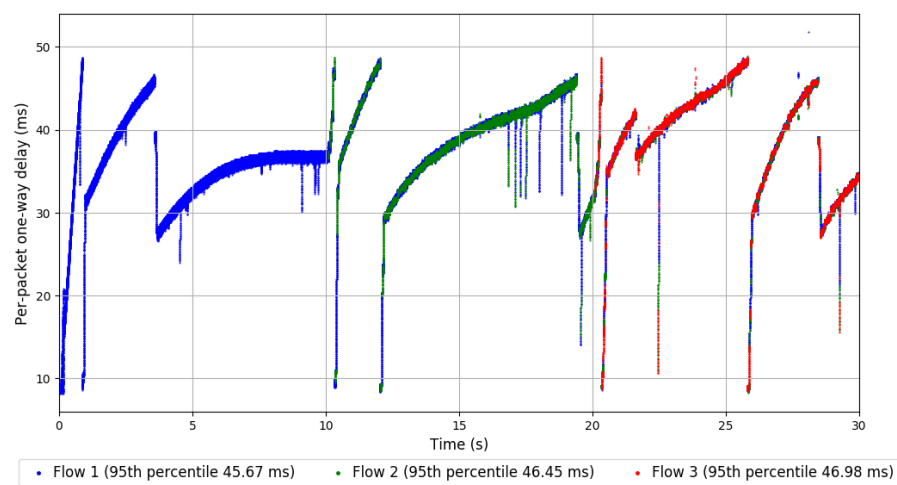
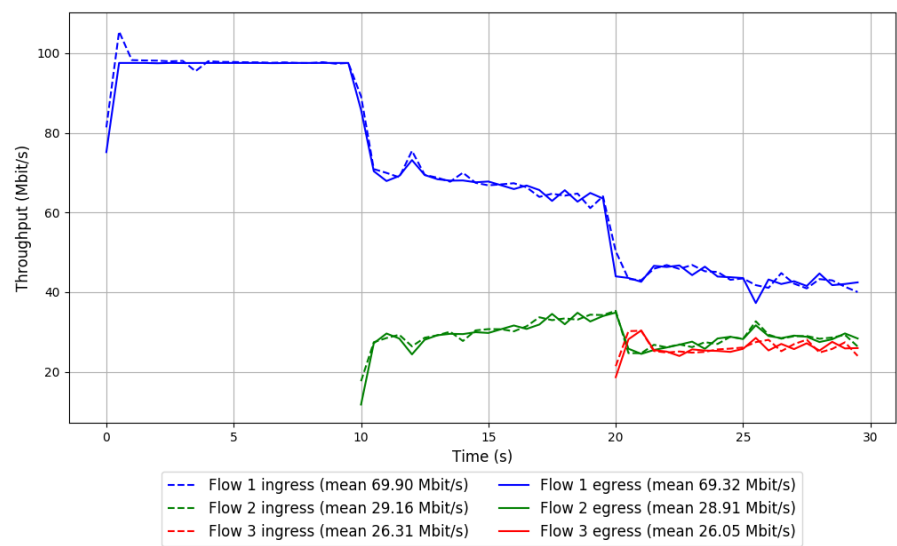
-- Flow 3:

Average throughput: 26.05 Mbit/s

95th percentile per-packet one-way delay: 46.976 ms

Loss rate: 0.96%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Mon, 31 Jul 2017 23:58:17 +0000

End at: Mon, 31 Jul 2017 23:58:47 +0000

Local clock offset: 3.478 ms

Remote clock offset: -4.345 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:24:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 44.475 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 65.23 Mbit/s

95th percentile per-packet one-way delay: 44.381 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 38.21 Mbit/s

95th percentile per-packet one-way delay: 44.496 ms

Loss rate: 0.77%

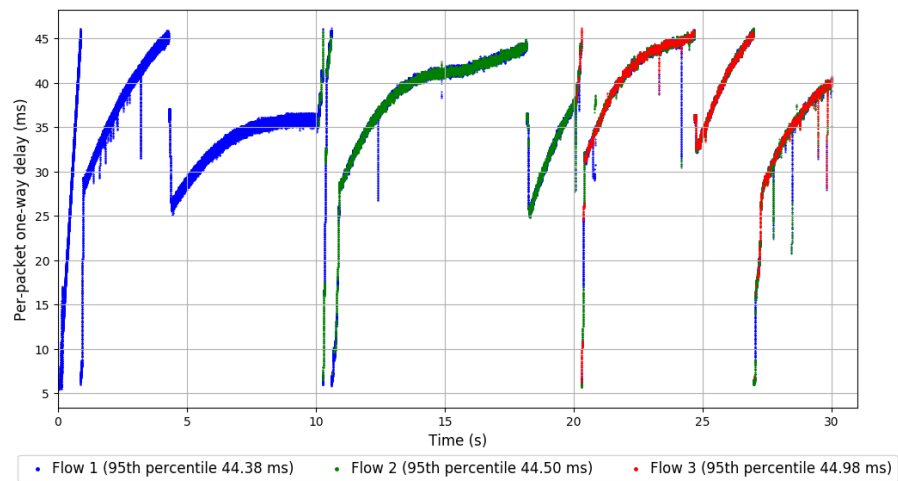
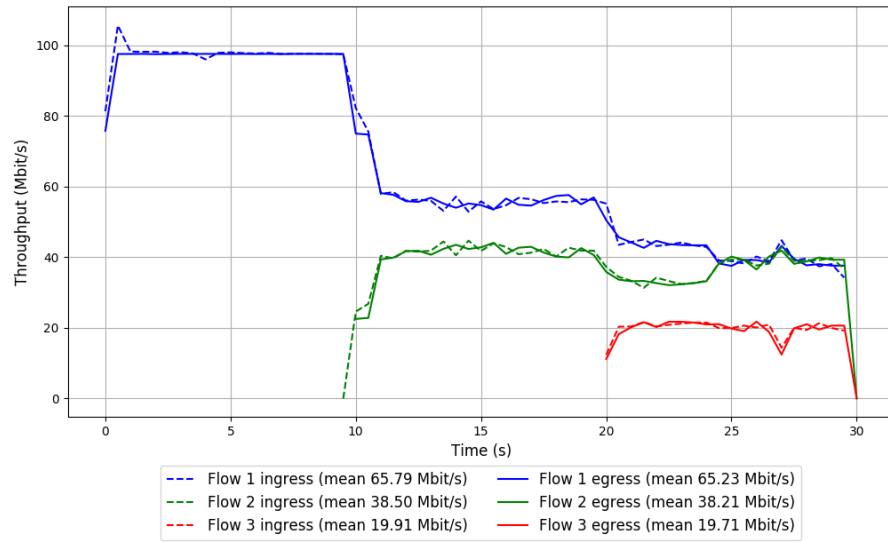
-- Flow 3:

Average throughput: 19.71 Mbit/s

95th percentile per-packet one-way delay: 44.984 ms

Loss rate: 0.98%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Tue, 01 Aug 2017 00:17:33 +0000

End at: Tue, 01 Aug 2017 00:18:03 +0000

Local clock offset: 3.395 ms

Remote clock offset: -3.959 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:24:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.14 Mbit/s

95th percentile per-packet one-way delay: 43.425 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 74.98 Mbit/s

95th percentile per-packet one-way delay: 43.235 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 26.32 Mbit/s

95th percentile per-packet one-way delay: 43.937 ms

Loss rate: 0.87%

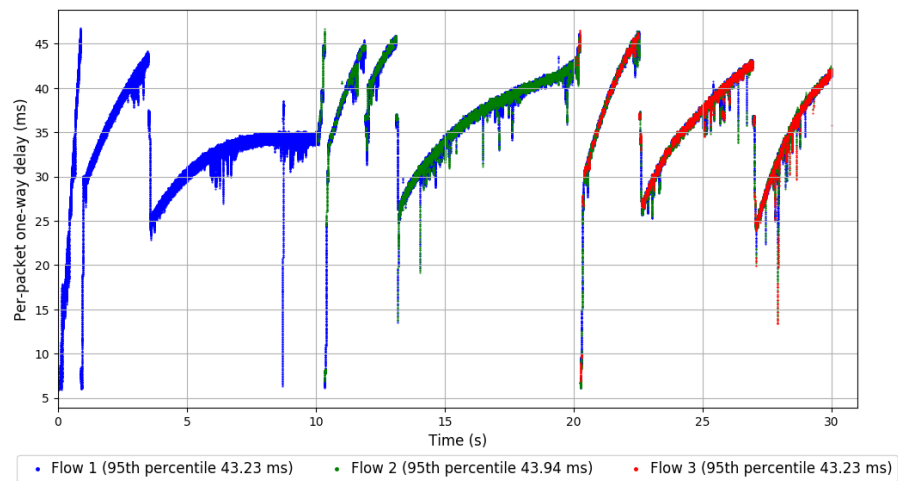
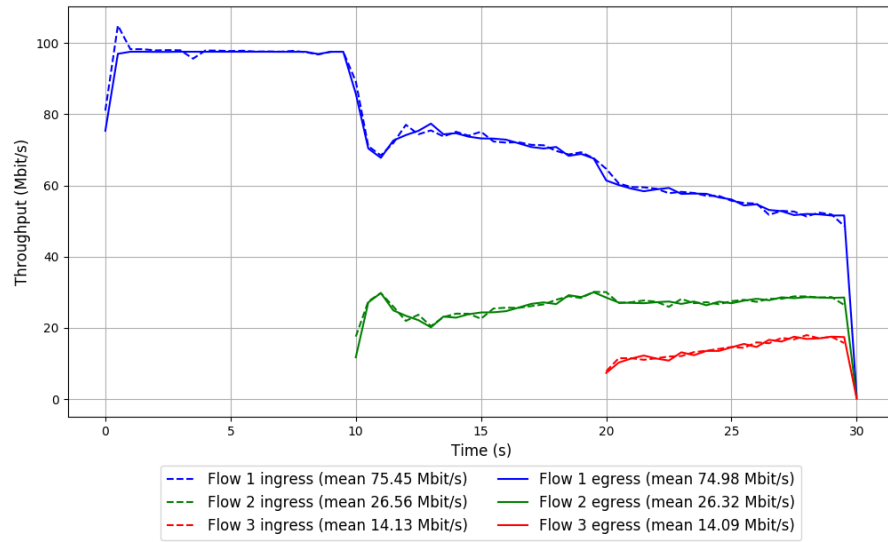
-- Flow 3:

Average throughput: 14.09 Mbit/s

95th percentile per-packet one-way delay: 43.227 ms

Loss rate: 0.37%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Tue, 01 Aug 2017 01:06:33 +0000

End at: Tue, 01 Aug 2017 01:07:03 +0000

Local clock offset: 2.762 ms

Remote clock offset: -4.499 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:24:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.17 Mbit/s

95th percentile per-packet one-way delay: 43.557 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 66.36 Mbit/s

95th percentile per-packet one-way delay: 43.314 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 27.29 Mbit/s

95th percentile per-packet one-way delay: 44.049 ms

Loss rate: 1.00%

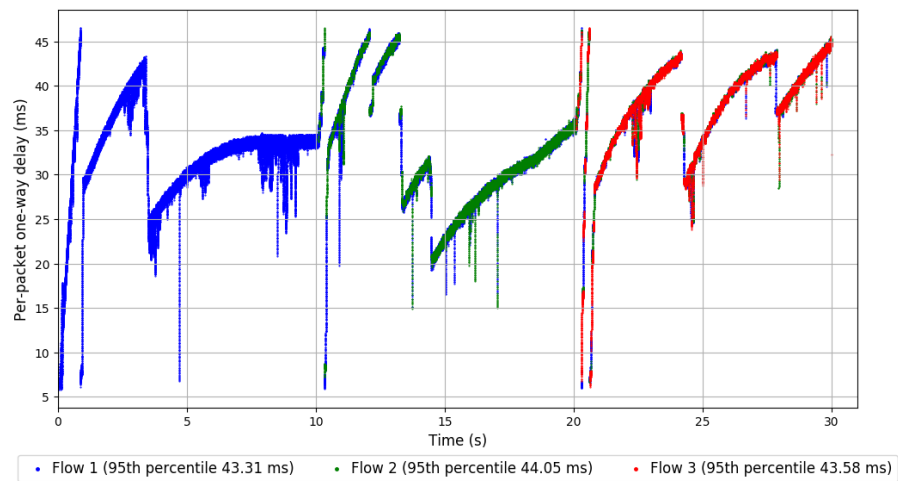
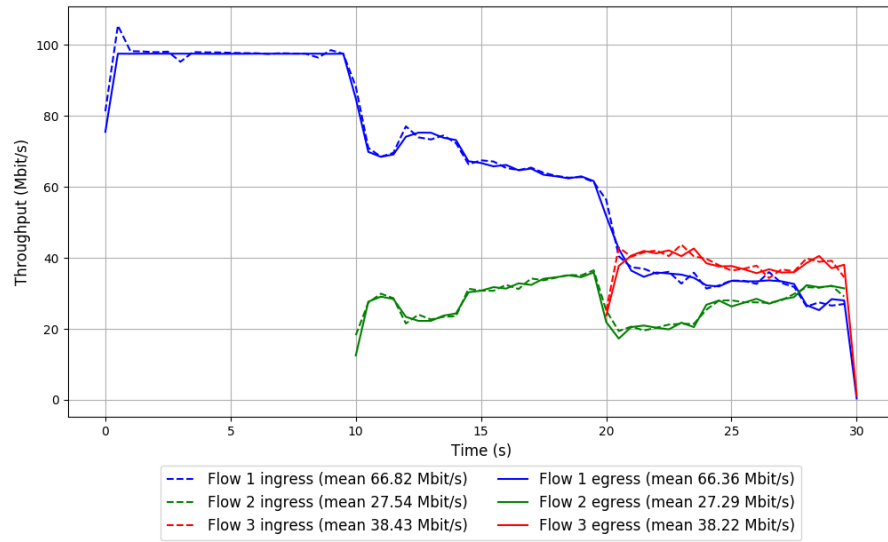
-- Flow 3:

Average throughput: 38.22 Mbit/s

95th percentile per-packet one-way delay: 43.575 ms

Loss rate: 0.57%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Tue, 01 Aug 2017 01:25:51 +0000

End at: Tue, 01 Aug 2017 01:26:21 +0000

Local clock offset: 2.242 ms

Remote clock offset: -5.122 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:24:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.07 Mbit/s

95th percentile per-packet one-way delay: 44.419 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 67.00 Mbit/s

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

Loss rate: 0.90%

-- Flow 2:

Average throughput: 31.14 Mbit/s

95th percentile per-packet one-way delay: 44.375 ms

Loss rate: 0.48%

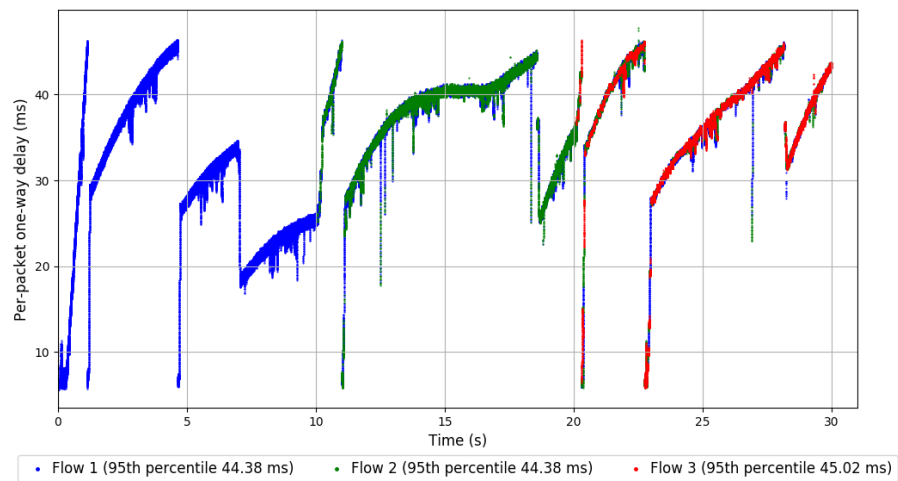
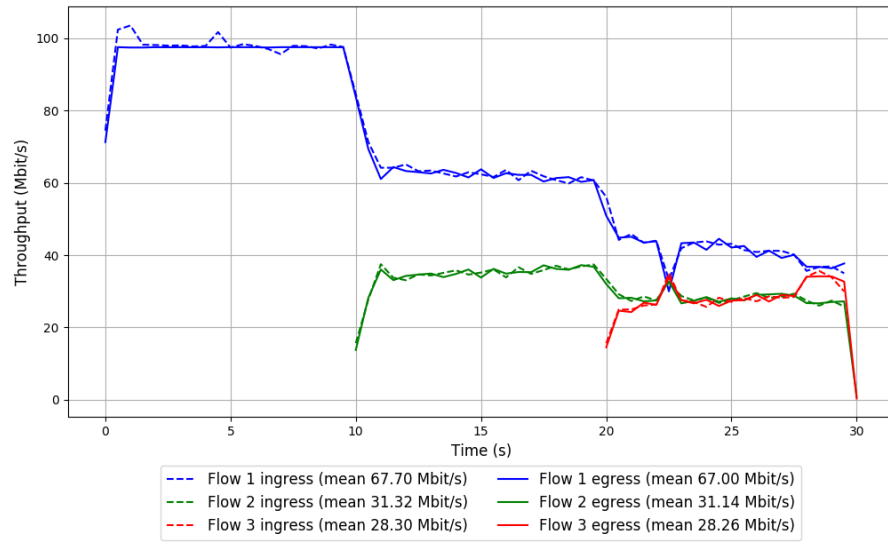
-- Flow 3:

Average throughput: 28.26 Mbit/s

95th percentile per-packet one-way delay: 45.018 ms

Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Tue, 01 Aug 2017 02:02:02 +0000

End at: Tue, 01 Aug 2017 02:02:32 +0000

Local clock offset: 2.227 ms

Remote clock offset: -4.455 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:24:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.04 Mbit/s

95th percentile per-packet one-way delay: 44.285 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 61.89 Mbit/s

95th percentile per-packet one-way delay: 44.178 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 40.74 Mbit/s

95th percentile per-packet one-way delay: 44.739 ms

Loss rate: 0.73%

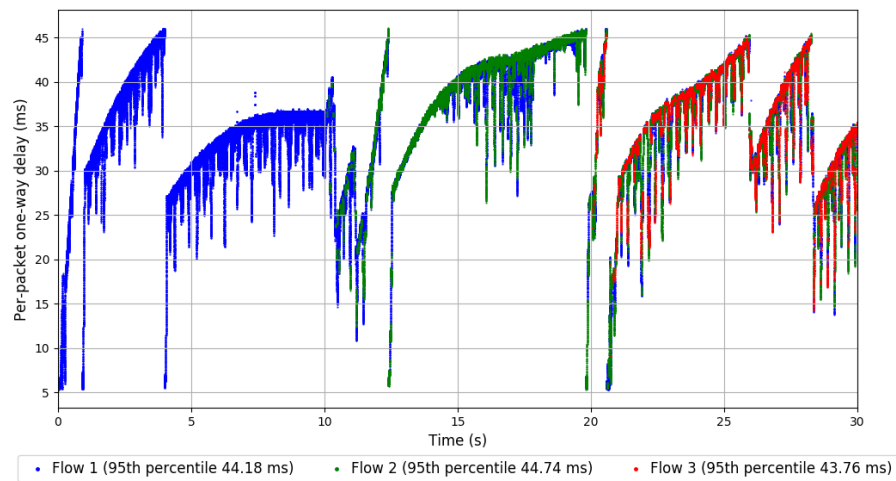
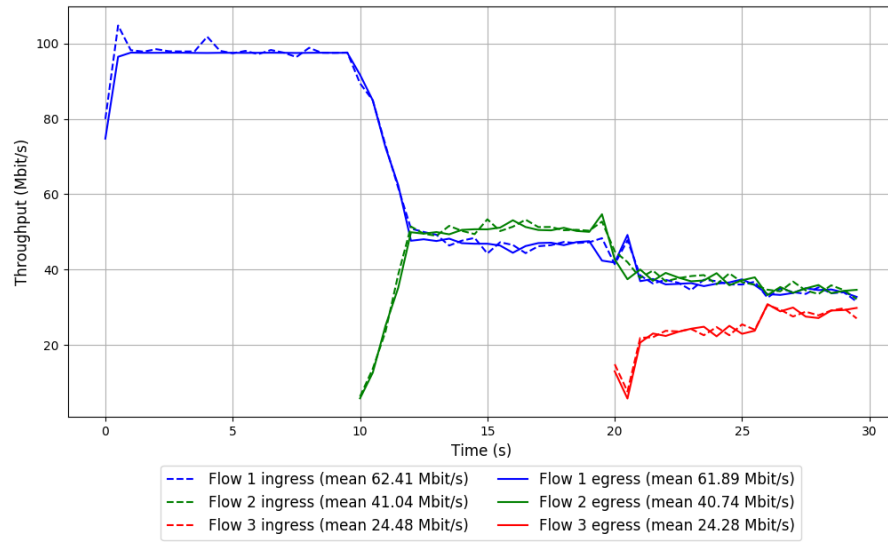
-- Flow 3:

Average throughput: 24.28 Mbit/s

95th percentile per-packet one-way delay: 43.762 ms

Loss rate: 0.70%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Tue, 01 Aug 2017 02:49:35 +0000

End at: Tue, 01 Aug 2017 02:50:05 +0000

Local clock offset: 1.973 ms

Remote clock offset: -2.813 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:24:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.10 Mbit/s

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

Loss rate: 0.81%

-- Flow 1:

Average throughput: 55.93 Mbit/s

95th percentile per-packet one-way delay: 44.650 ms

Loss rate: 0.76%

-- Flow 2:

Average throughput: 53.21 Mbit/s

95th percentile per-packet one-way delay: 44.273 ms

Loss rate: 0.94%

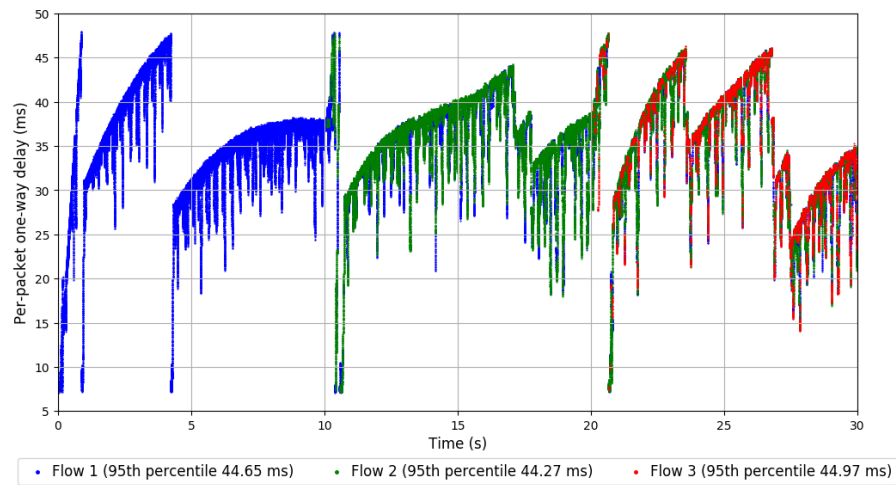
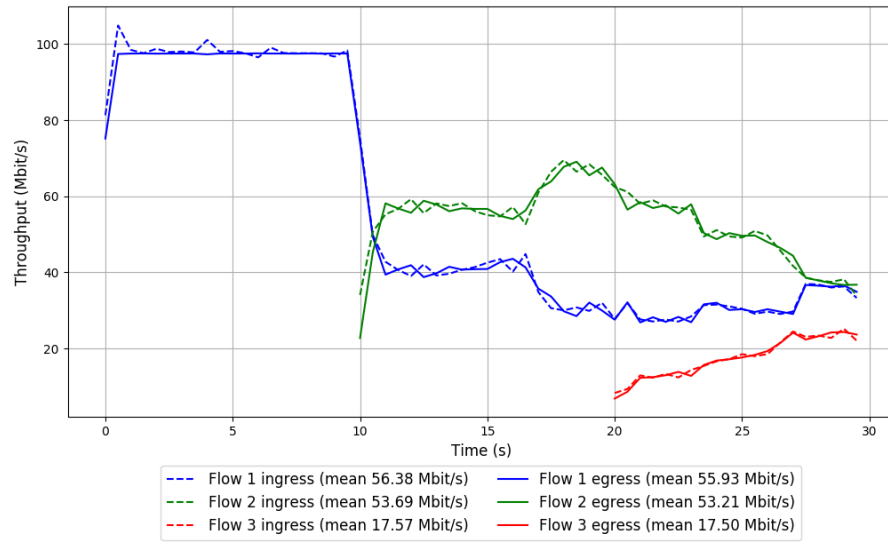
-- Flow 3:

Average throughput: 17.50 Mbit/s

95th percentile per-packet one-way delay: 44.970 ms

Loss rate: 0.46%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Tue, 01 Aug 2017 03:36:57 +0000

End at: Tue, 01 Aug 2017 03:37:27 +0000

Local clock offset: 0.782 ms

Remote clock offset: -4.978 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:25:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 44.819 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 67.39 Mbit/s

95th percentile per-packet one-way delay: 44.589 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 44.616 ms

Loss rate: 0.69%

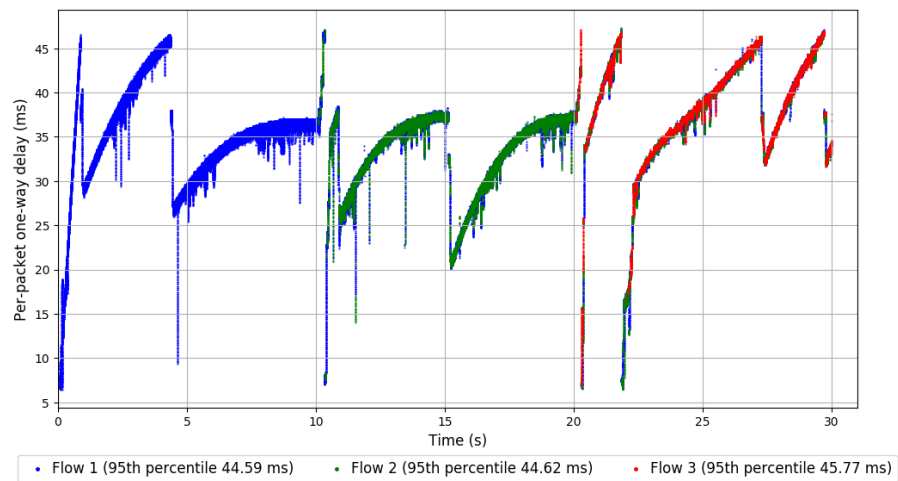
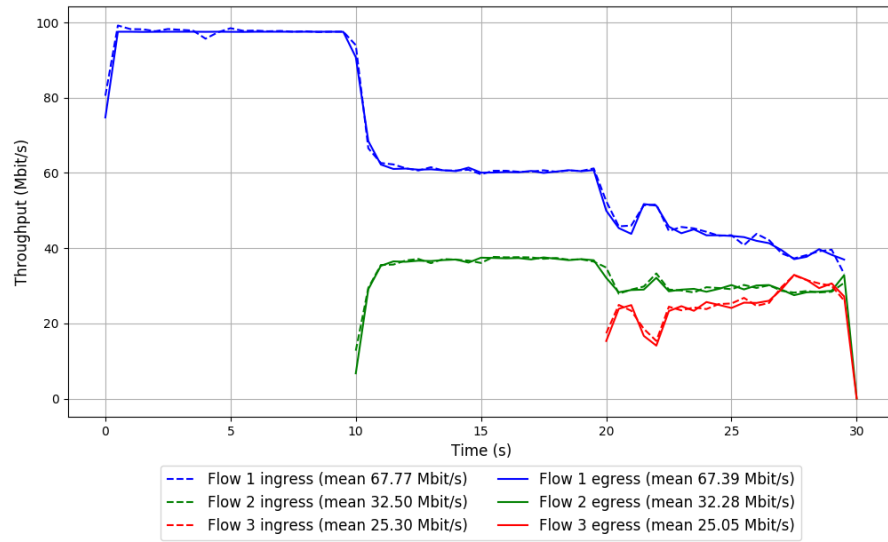
-- Flow 3:

Average throughput: 25.05 Mbit/s

95th percentile per-packet one-way delay: 45.775 ms

Loss rate: 1.01%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Tue, 01 Aug 2017 04:10:30 +0000

End at: Tue, 01 Aug 2017 04:11:00 +0000

Local clock offset: 0.952 ms

Remote clock offset: -2.936 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:25:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 47.006 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 66.25 Mbit/s

95th percentile per-packet one-way delay: 47.007 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 28.86 Mbit/s

95th percentile per-packet one-way delay: 47.254 ms

Loss rate: 0.85%

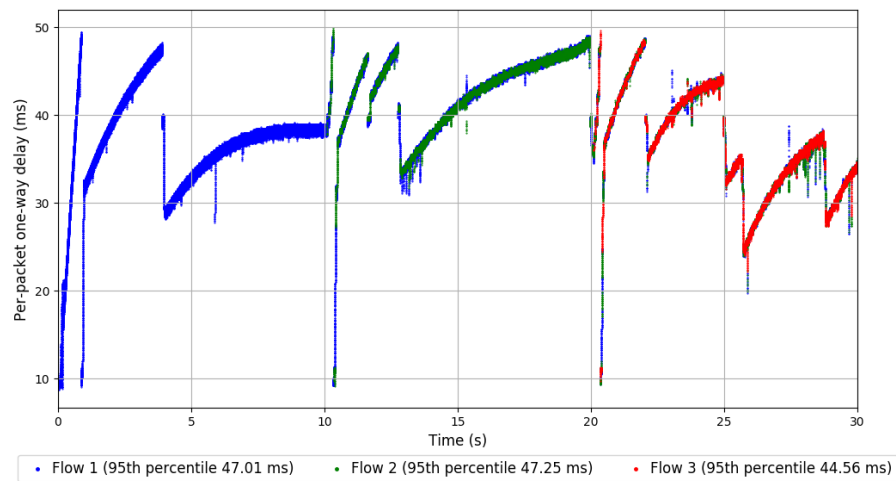
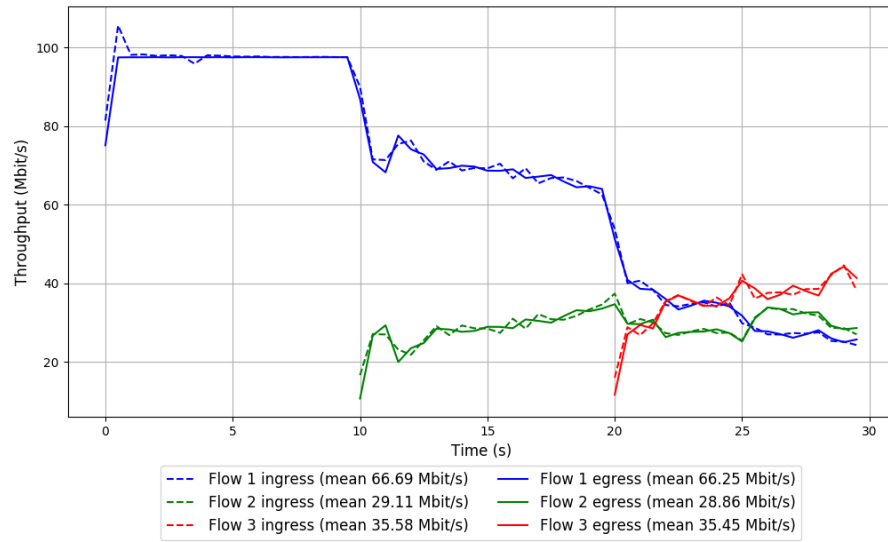
-- Flow 3:

Average throughput: 35.45 Mbit/s

95th percentile per-packet one-way delay: 44.556 ms

Loss rate: 0.44%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Tue, 01 Aug 2017 04:28:52 +0000

End at: Tue, 01 Aug 2017 04:29:22 +0000

Local clock offset: 0.469 ms

Remote clock offset: -3.559 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:25:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.18 Mbit/s

95th percentile per-packet one-way delay: 47.669 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 69.41 Mbit/s

95th percentile per-packet one-way delay: 47.385 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 31.97 Mbit/s

95th percentile per-packet one-way delay: 47.986 ms

Loss rate: 1.06%

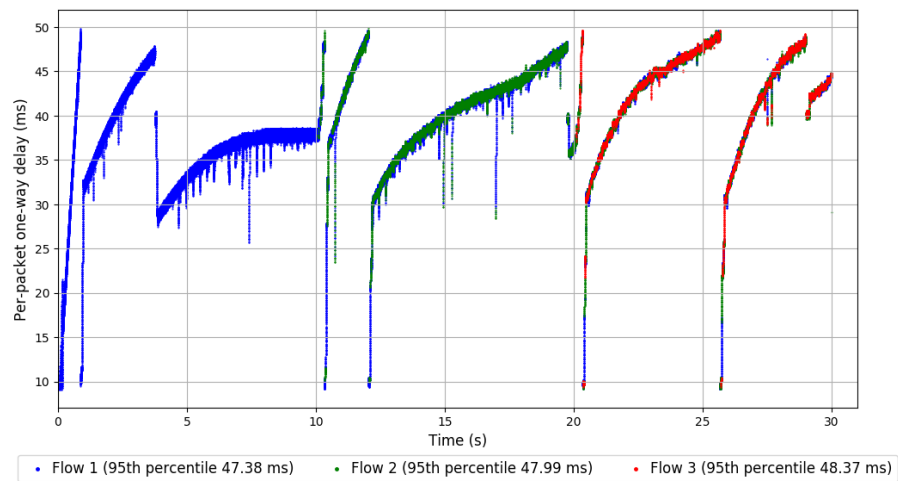
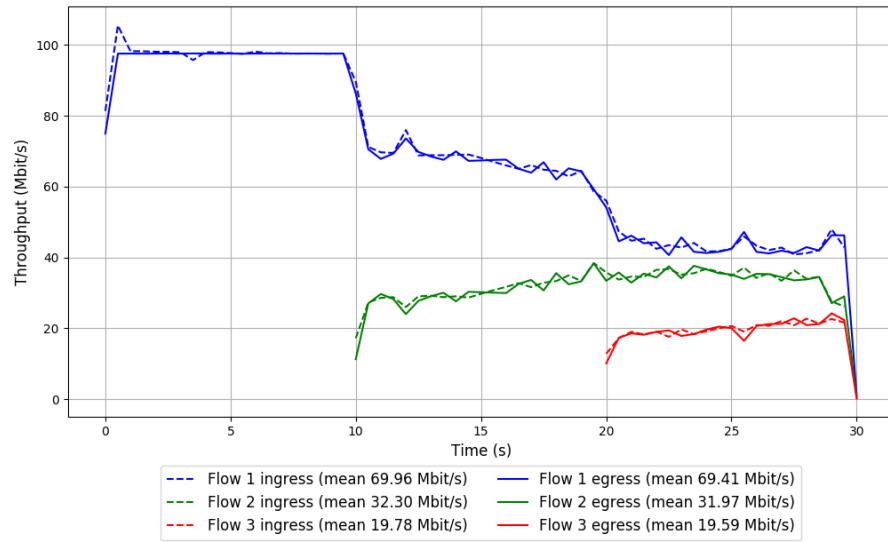
-- Flow 3:

Average throughput: 19.59 Mbit/s

95th percentile per-packet one-way delay: 48.368 ms

Loss rate: 0.91%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Mon, 31 Jul 2017 23:46:15 +0000

End at: Mon, 31 Jul 2017 23:46:45 +0000

Local clock offset: 0.899 ms

Remote clock offset: -5.044 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:25:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.60 Mbit/s

95th percentile per-packet one-way delay: 16.327 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.77 Mbit/s

95th percentile per-packet one-way delay: 15.800 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.60 Mbit/s

95th percentile per-packet one-way delay: 16.304 ms

Loss rate: 0.00%

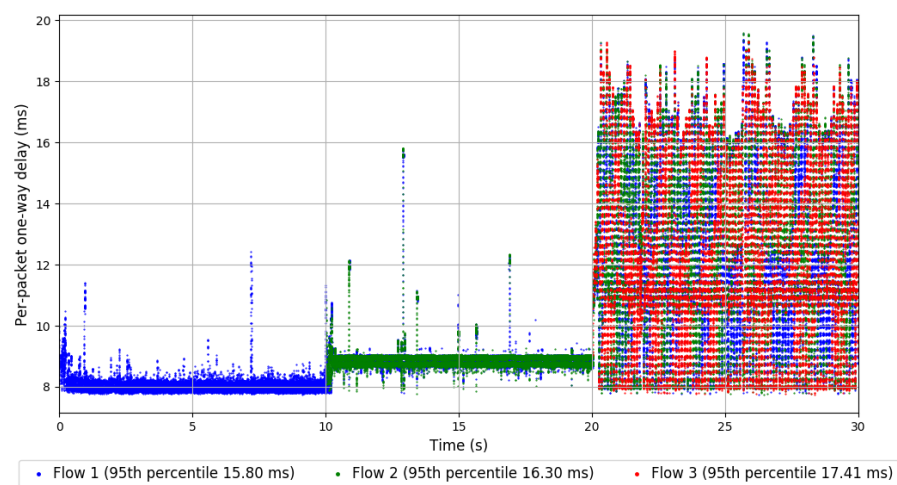
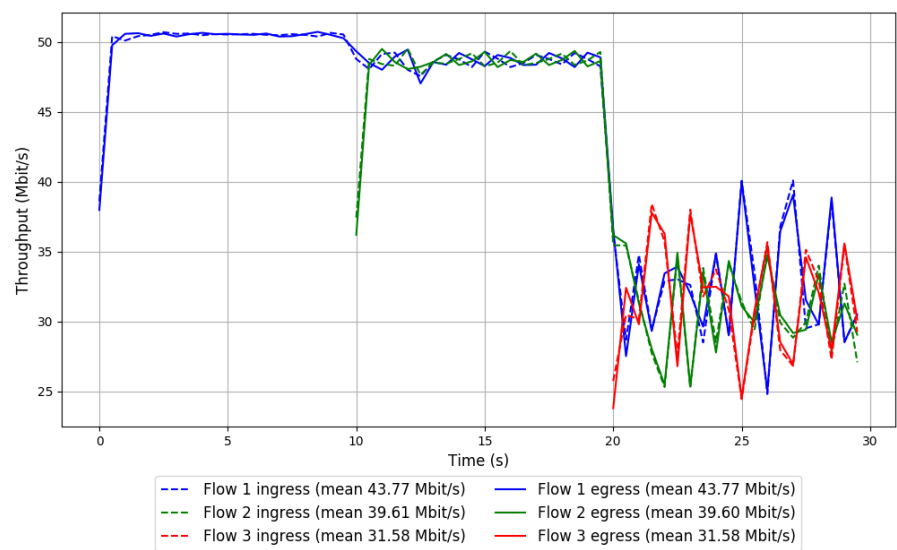
-- Flow 3:

Average throughput: 31.58 Mbit/s

95th percentile per-packet one-way delay: 17.408 ms

Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Tue, 01 Aug 2017 00:04:25 +0000

End at: Tue, 01 Aug 2017 00:04:55 +0000

Local clock offset: -0.684 ms

Remote clock offset: -3.465 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:25:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 19.712 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.44 Mbit/s

95th percentile per-packet one-way delay: 18.759 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: 19.732 ms

Loss rate: 0.00%

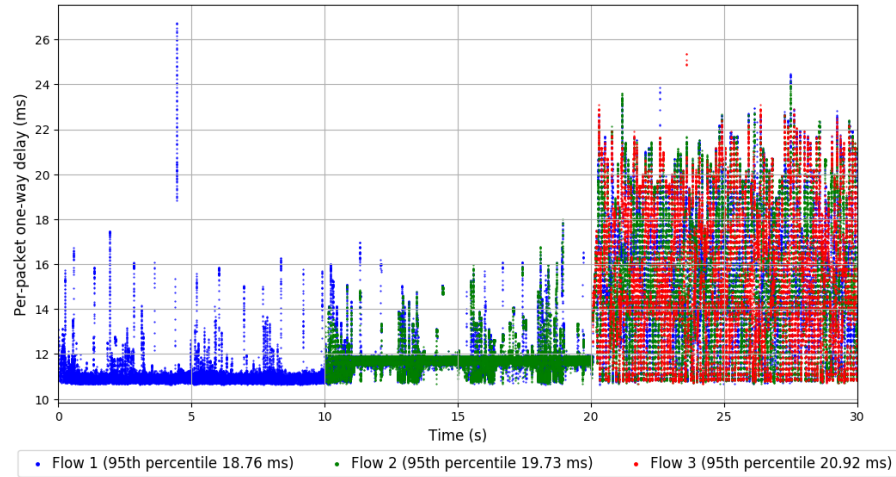
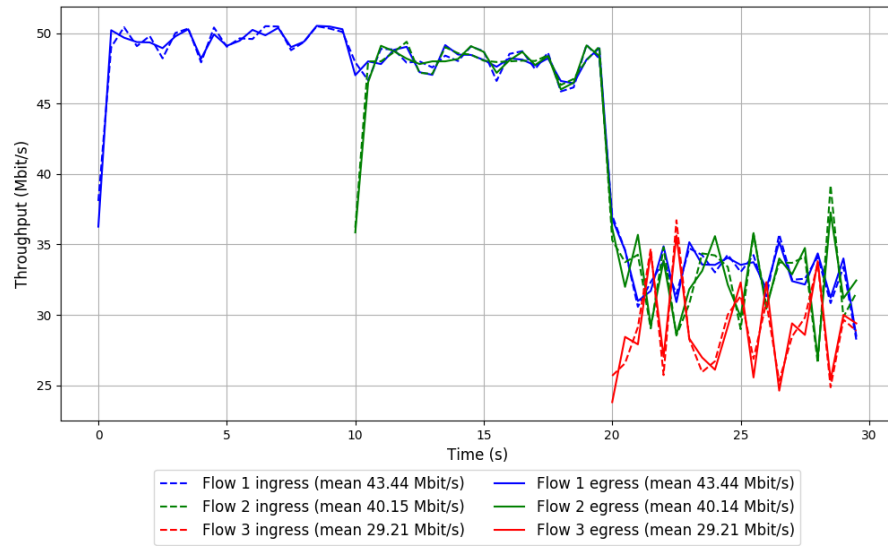
-- Flow 3:

Average throughput: 29.21 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Tue, 01 Aug 2017 00:24:15 +0000

End at: Tue, 01 Aug 2017 00:24:45 +0000

Local clock offset: 0.94 ms

Remote clock offset: -3.829 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:25:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.11 Mbit/s

95th percentile per-packet one-way delay: 17.748 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.61 Mbit/s

95th percentile per-packet one-way delay: 16.957 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.26 Mbit/s

95th percentile per-packet one-way delay: 17.786 ms

Loss rate: 0.00%

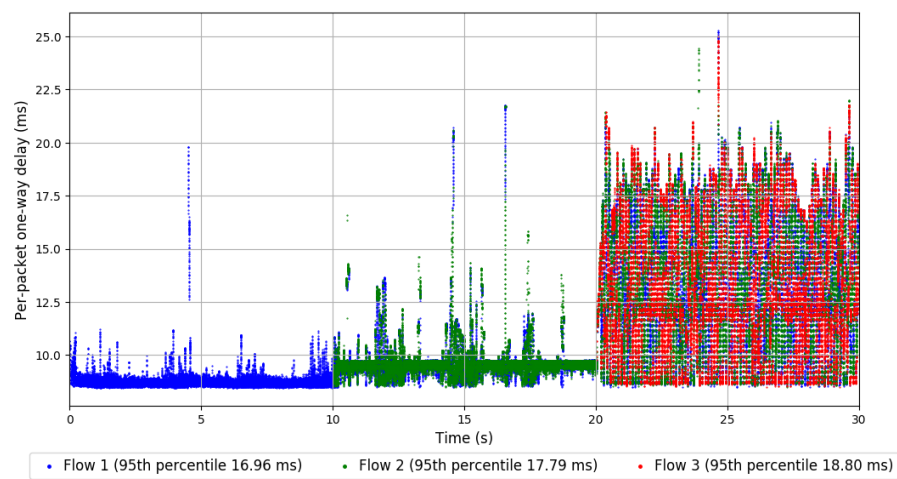
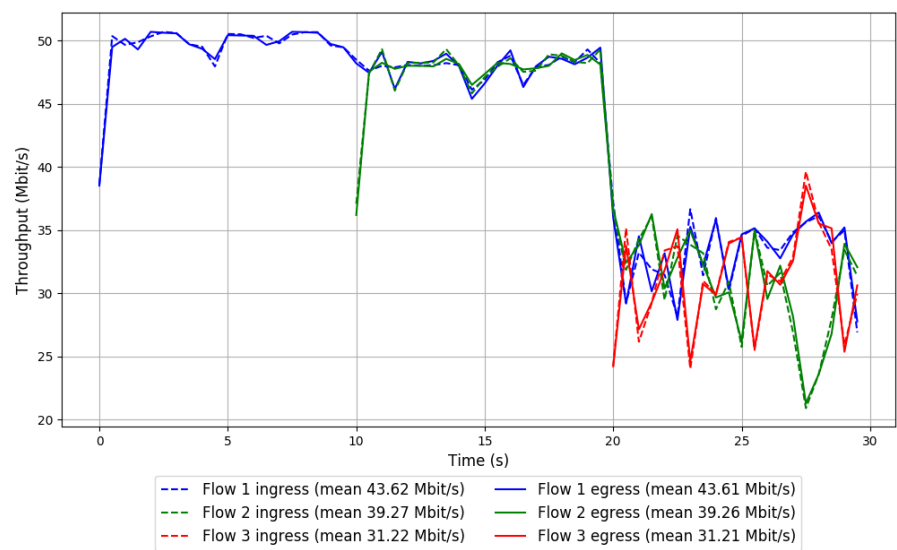
-- Flow 3:

Average throughput: 31.21 Mbit/s

95th percentile per-packet one-way delay: 18.801 ms

Loss rate: 0.00%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Tue, 01 Aug 2017 01:12:46 +0000

End at: Tue, 01 Aug 2017 01:13:16 +0000

Local clock offset: 0.713 ms

Remote clock offset: -3.804 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:25:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.31 Mbit/s

95th percentile per-packet one-way delay: 18.135 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.61 Mbit/s

95th percentile per-packet one-way delay: 17.408 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.62 Mbit/s

95th percentile per-packet one-way delay: 18.112 ms

Loss rate: 0.00%

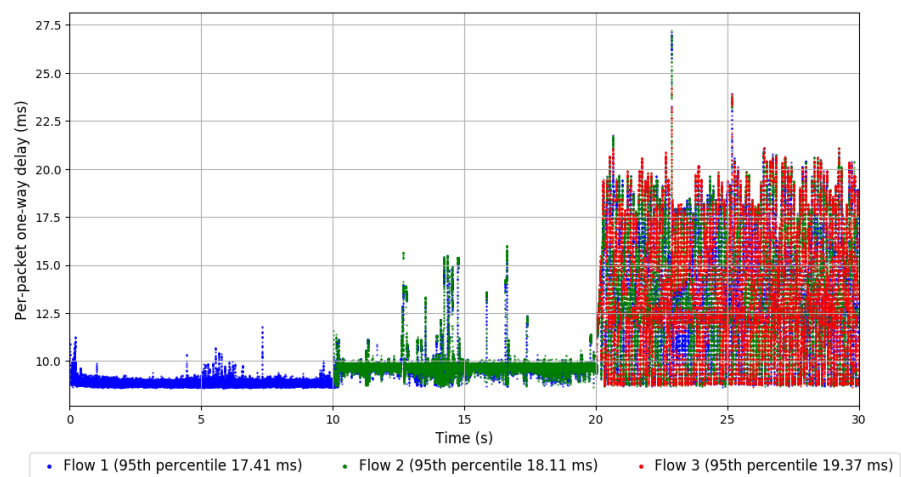
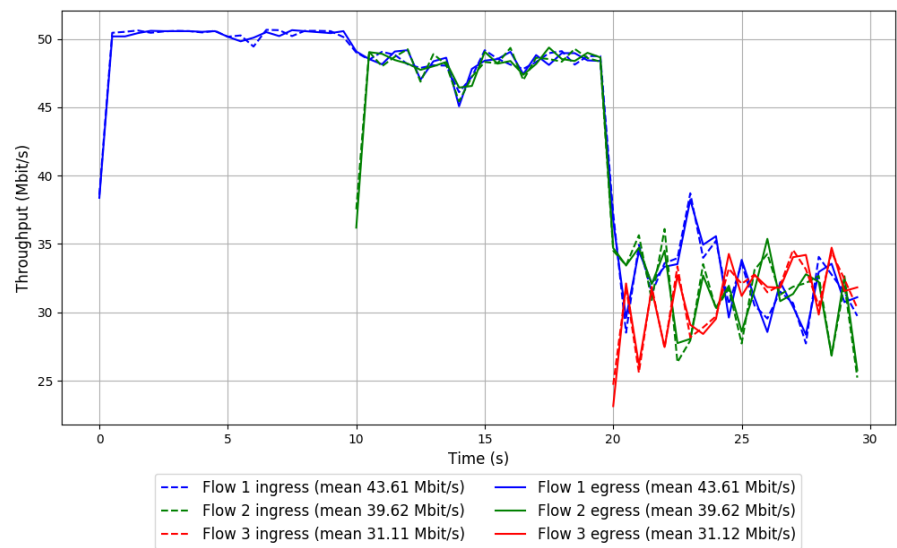
-- Flow 3:

Average throughput: 31.12 Mbit/s

95th percentile per-packet one-way delay: 19.371 ms

Loss rate: 0.00%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Tue, 01 Aug 2017 01:36:27 +0000

End at: Tue, 01 Aug 2017 01:36:57 +0000

Local clock offset: 1.78 ms

Remote clock offset: -4.922 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:25:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.63 Mbit/s

95th percentile per-packet one-way delay: 14.187 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.93 Mbit/s

95th percentile per-packet one-way delay: 13.016 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.88 Mbit/s

95th percentile per-packet one-way delay: 14.228 ms

Loss rate: 0.00%

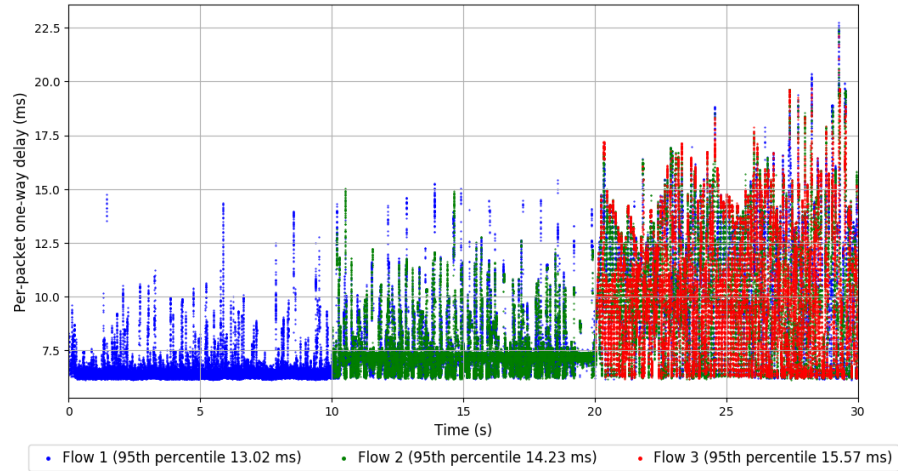
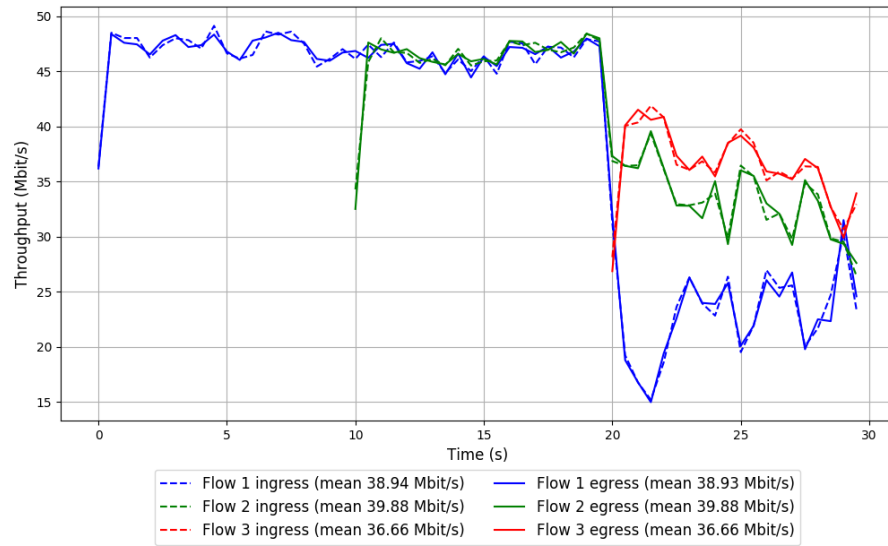
-- Flow 3:

Average throughput: 36.66 Mbit/s

95th percentile per-packet one-way delay: 15.573 ms

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Tue, 01 Aug 2017 02:17:23 +0000

End at: Tue, 01 Aug 2017 02:17:53 +0000

Local clock offset: 0.253 ms

Remote clock offset: -2.89 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:25:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.21 Mbit/s

95th percentile per-packet one-way delay: 16.778 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.88 Mbit/s

95th percentile per-packet one-way delay: 15.939 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.30 Mbit/s

95th percentile per-packet one-way delay: 16.861 ms

Loss rate: 0.00%

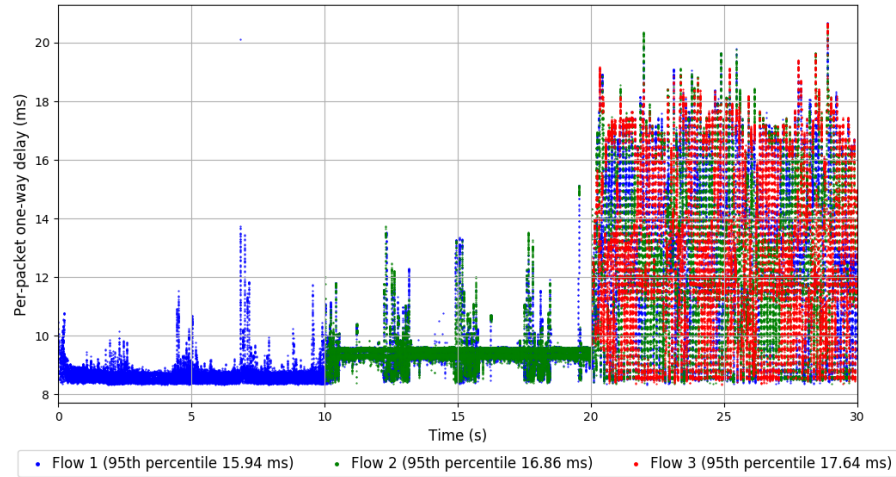
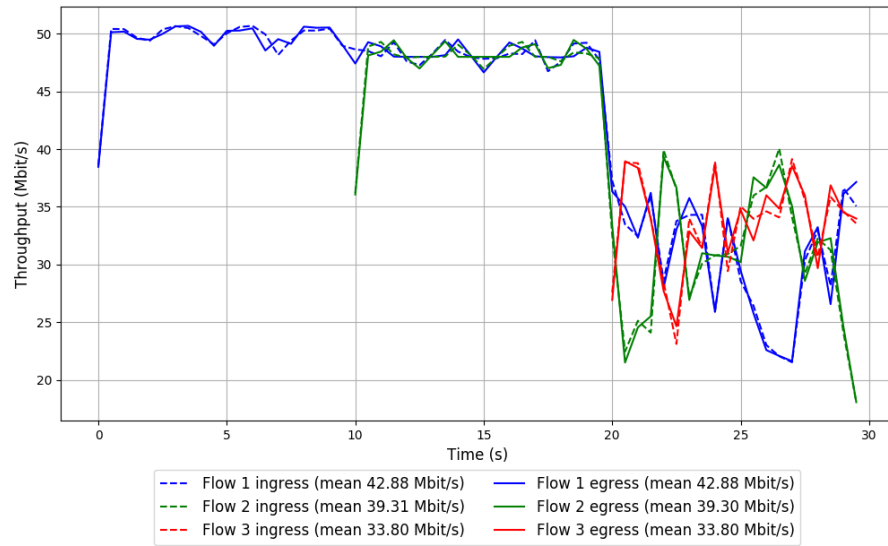
-- Flow 3:

Average throughput: 33.80 Mbit/s

95th percentile per-packet one-way delay: 17.641 ms

Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Tue, 01 Aug 2017 03:07:54 +0000

End at: Tue, 01 Aug 2017 03:08:24 +0000

Local clock offset: -1.752 ms

Remote clock offset: -5.201 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:25:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.51 Mbit/s

95th percentile per-packet one-way delay: 17.473 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.53 Mbit/s

95th percentile per-packet one-way delay: 16.937 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.23 Mbit/s

95th percentile per-packet one-way delay: 17.444 ms

Loss rate: 0.00%

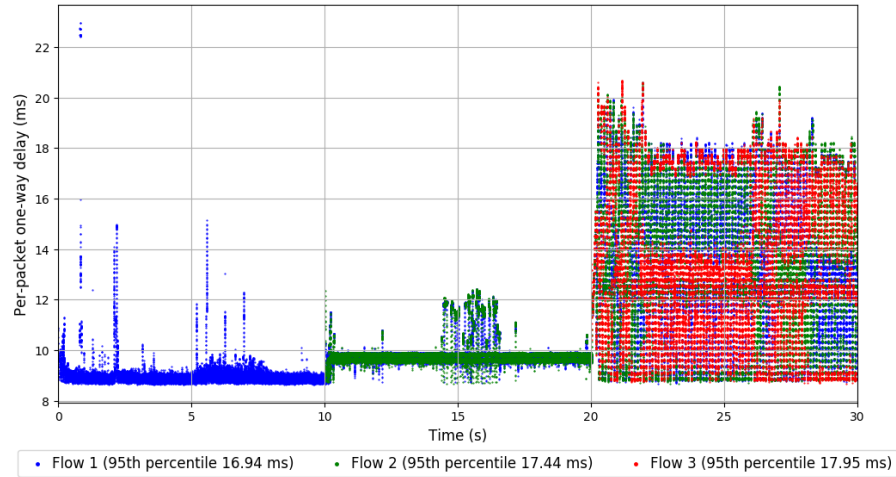
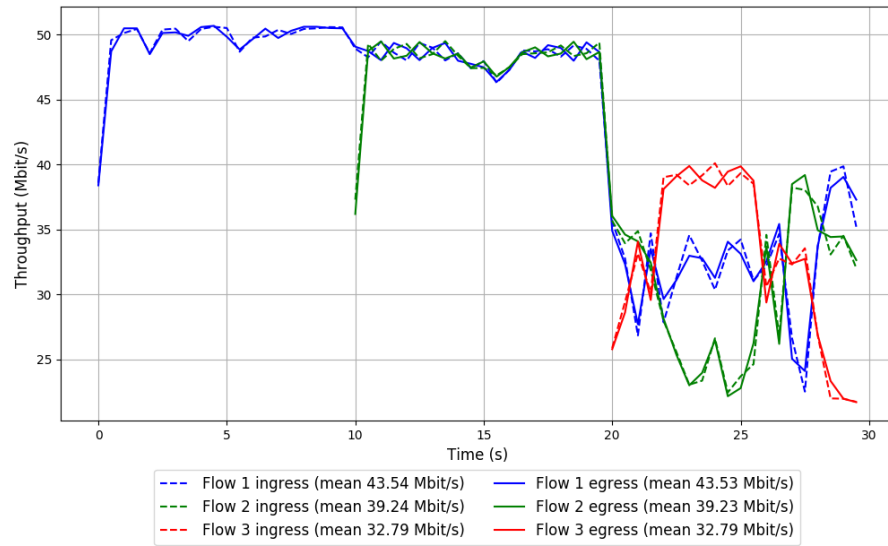
-- Flow 3:

Average throughput: 32.79 Mbit/s

95th percentile per-packet one-way delay: 17.955 ms

Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Tue, 01 Aug 2017 03:54:58 +0000

End at: Tue, 01 Aug 2017 03:55:28 +0000

Local clock offset: -1.005 ms

Remote clock offset: -4.18 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:26:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.45 Mbit/s

95th percentile per-packet one-way delay: 18.965 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.44 Mbit/s

95th percentile per-packet one-way delay: 18.111 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.35 Mbit/s

95th percentile per-packet one-way delay: 18.991 ms

Loss rate: 0.00%

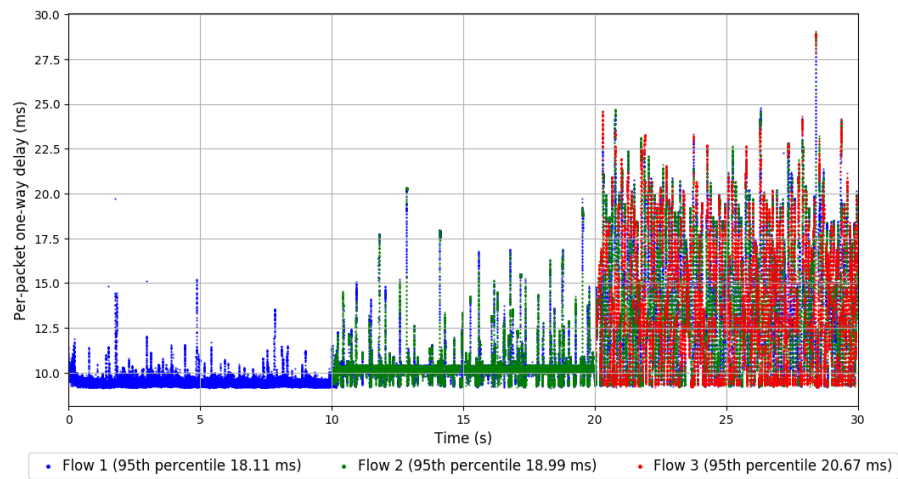
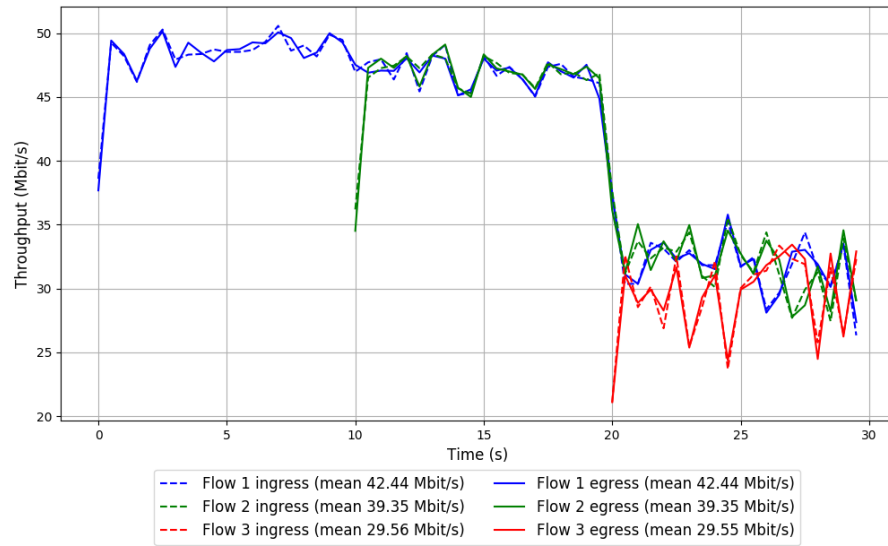
-- Flow 3:

Average throughput: 29.55 Mbit/s

95th percentile per-packet one-way delay: 20.669 ms

Loss rate: 0.00%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Tue, 01 Aug 2017 04:16:34 +0000

End at: Tue, 01 Aug 2017 04:17:04 +0000

Local clock offset: 2.633 ms

Remote clock offset: -1.184 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:26:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.53 Mbit/s

95th percentile per-packet one-way delay: 17.399 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.72 Mbit/s

95th percentile per-packet one-way delay: 16.445 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 41.02 Mbit/s

95th percentile per-packet one-way delay: 17.412 ms

Loss rate: 0.00%

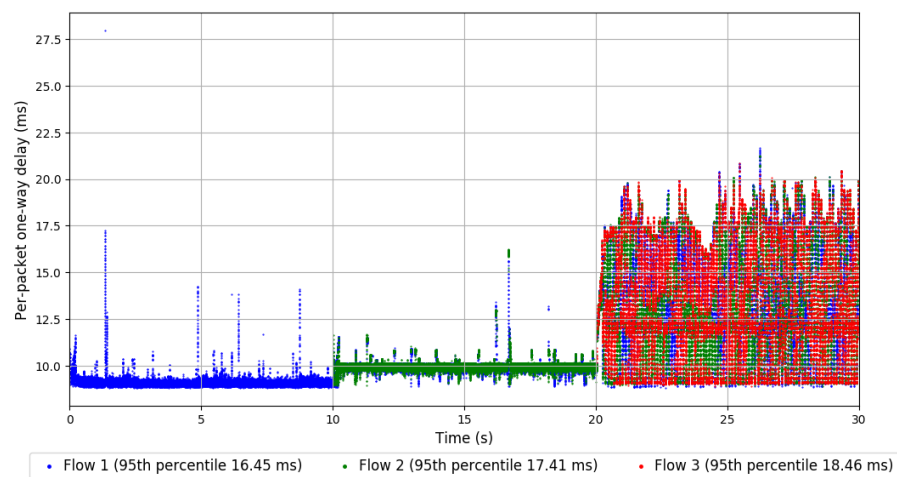
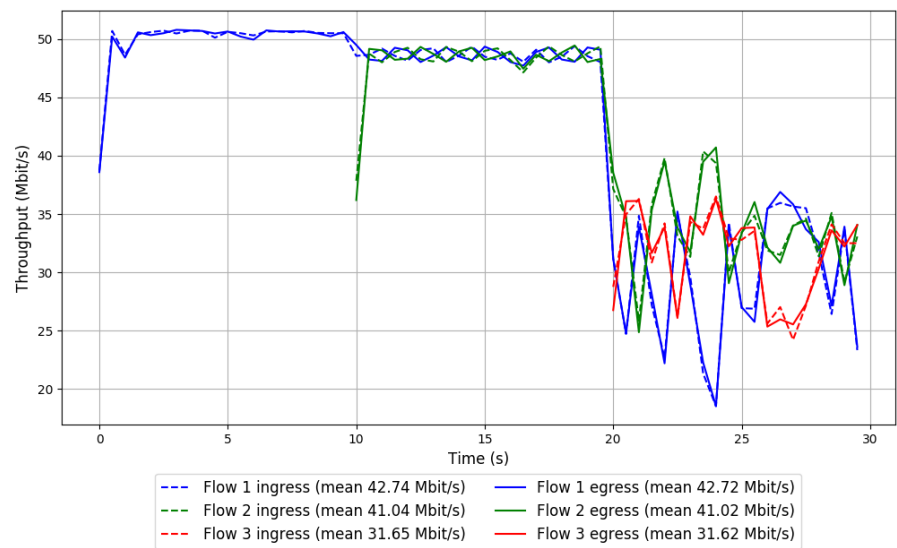
-- Flow 3:

Average throughput: 31.62 Mbit/s

95th percentile per-packet one-way delay: 18.458 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Tue, 01 Aug 2017 04:35:24 +0000

End at: Tue, 01 Aug 2017 04:35:54 +0000

Local clock offset: 2.359 ms

Remote clock offset: -3.535 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:26:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.40 Mbit/s

95th percentile per-packet one-way delay: 16.884 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.39 Mbit/s

95th percentile per-packet one-way delay: 15.934 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 39.63 Mbit/s

95th percentile per-packet one-way delay: 16.866 ms

Loss rate: 0.00%

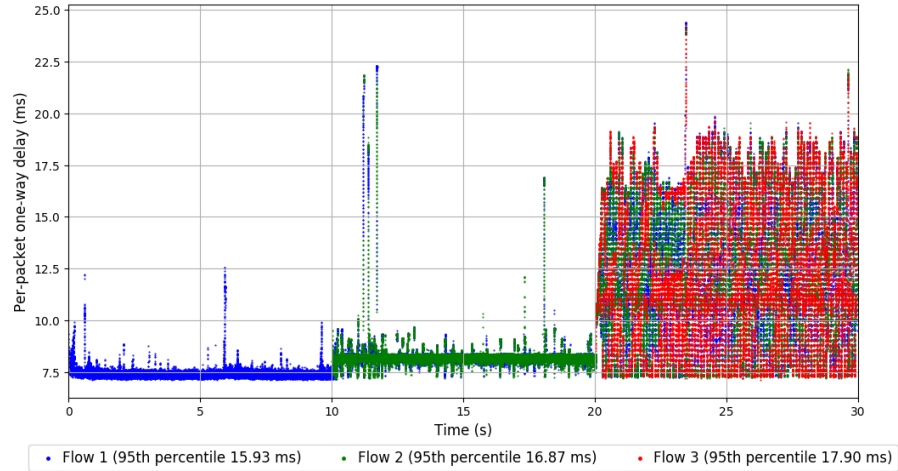
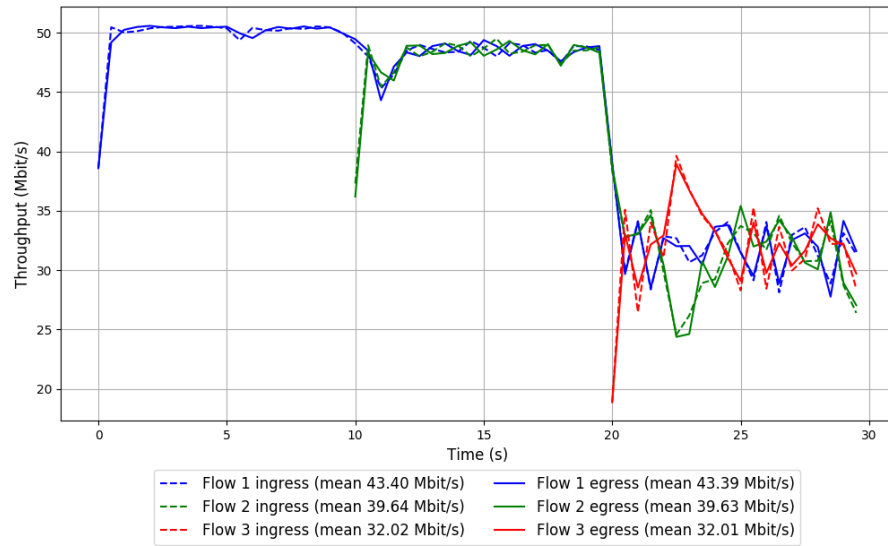
-- Flow 3:

Average throughput: 32.01 Mbit/s

95th percentile per-packet one-way delay: 17.902 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Mon, 31 Jul 2017 23:51:04 +0000

End at: Mon, 31 Jul 2017 23:51:34 +0000

Local clock offset: 3.181 ms

Remote clock offset: -4.16 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:26:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.04 Mbit/s

95th percentile per-packet one-way delay: 43.706 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 51.38 Mbit/s

95th percentile per-packet one-way delay: 43.400 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 36.81 Mbit/s

95th percentile per-packet one-way delay: 44.172 ms

Loss rate: 0.63%

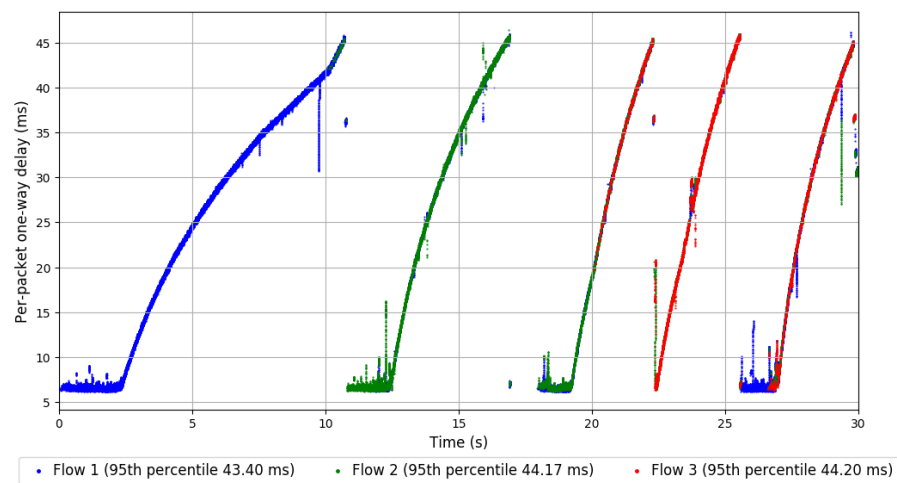
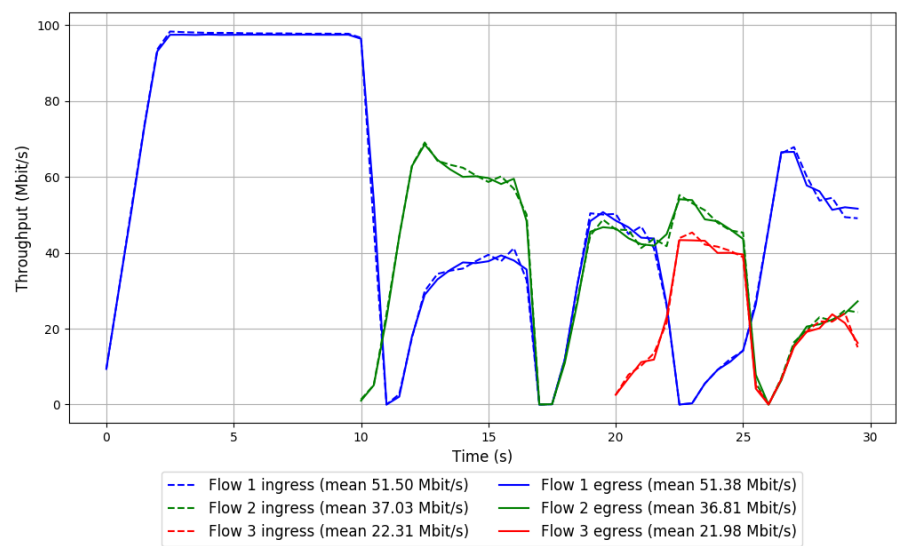
-- Flow 3:

Average throughput: 21.98 Mbit/s

95th percentile per-packet one-way delay: 44.201 ms

Loss rate: 1.31%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Tue, 01 Aug 2017 00:09:32 +0000

End at: Tue, 01 Aug 2017 00:10:02 +0000

Local clock offset: 3.629 ms

Remote clock offset: -4.018 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:26:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.84 Mbit/s

95th percentile per-packet one-way delay: 42.467 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 50.63 Mbit/s

95th percentile per-packet one-way delay: 41.013 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 31.61 Mbit/s

95th percentile per-packet one-way delay: 43.513 ms

Loss rate: 0.75%

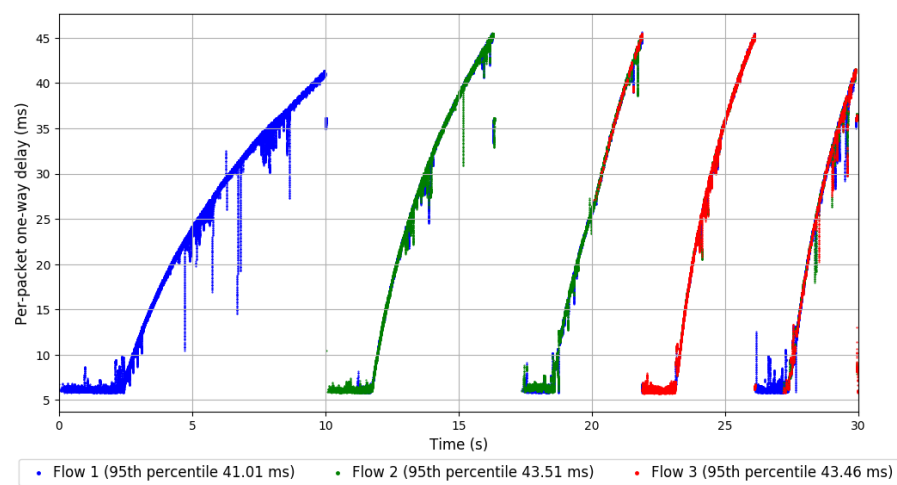
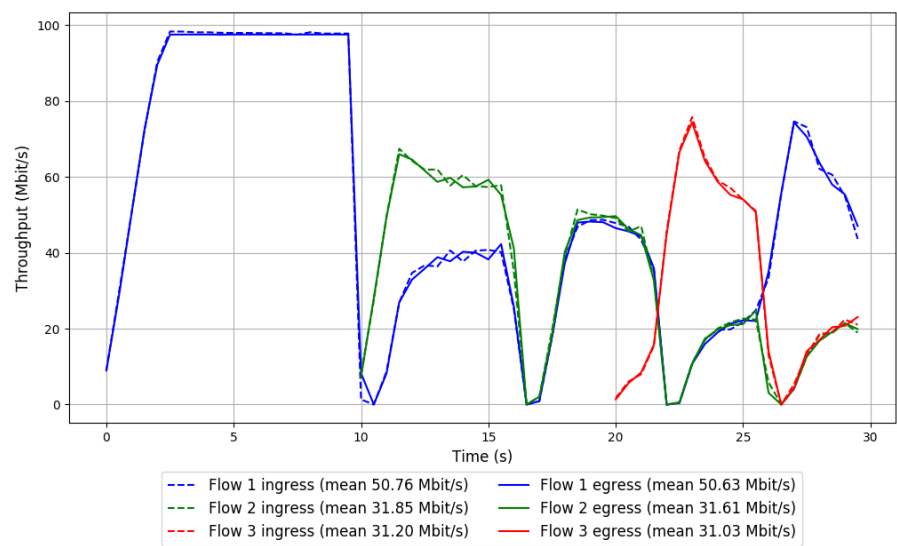
-- Flow 3:

Average throughput: 31.03 Mbit/s

95th percentile per-packet one-way delay: 43.457 ms

Loss rate: 0.76%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Tue, 01 Aug 2017 00:38:31 +0000

End at: Tue, 01 Aug 2017 00:39:01 +0000

Local clock offset: 2.573 ms

Remote clock offset: -4.652 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:26:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.37 Mbit/s

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

Loss rate: 0.62%

-- Flow 1:

Average throughput: 53.30 Mbit/s

95th percentile per-packet one-way delay: 42.988 ms

Loss rate: 0.64%

-- Flow 2:

Average throughput: 35.20 Mbit/s

95th percentile per-packet one-way delay: 43.715 ms

Loss rate: 0.51%

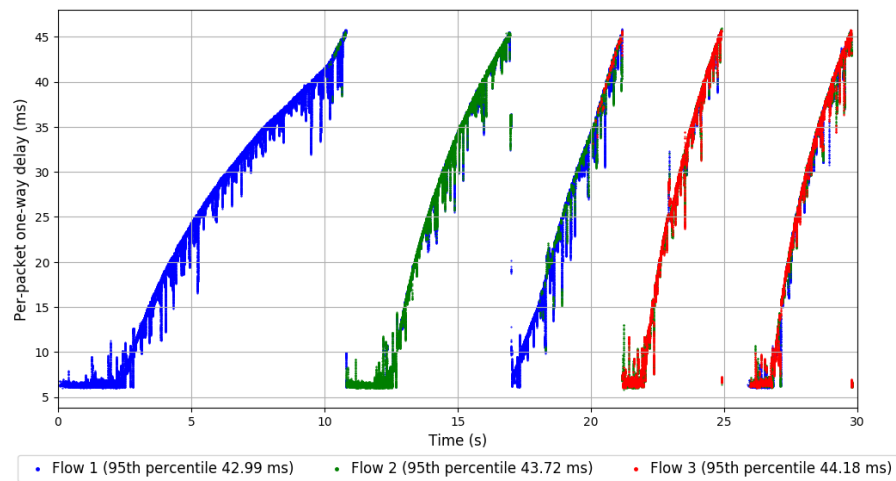
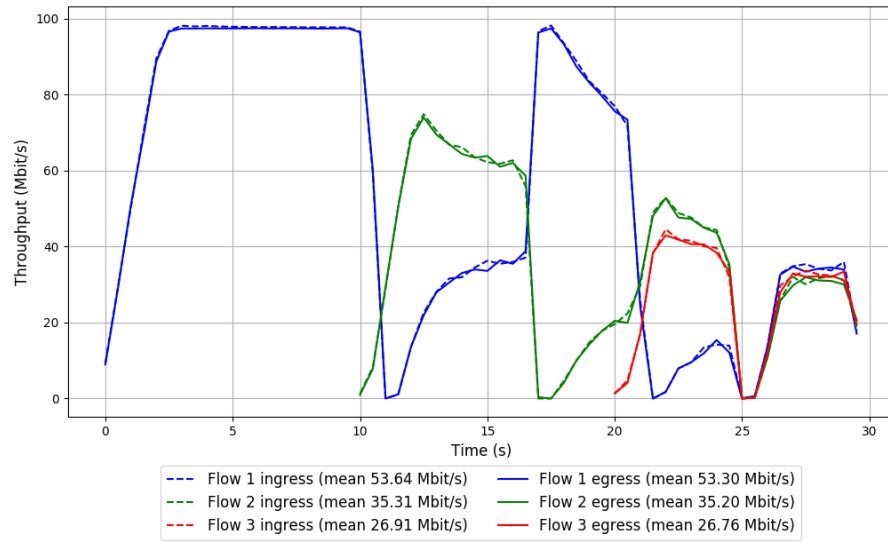
-- Flow 3:

Average throughput: 26.76 Mbit/s

95th percentile per-packet one-way delay: 44.181 ms

Loss rate: 0.81%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Tue, 01 Aug 2017 01:17:40 +0000

End at: Tue, 01 Aug 2017 01:18:10 +0000

Local clock offset: 3.076 ms

Remote clock offset: -4.295 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:26:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.27 Mbit/s

95th percentile per-packet one-way delay: 43.033 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 47.21 Mbit/s

95th percentile per-packet one-way delay: 42.962 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 36.45 Mbit/s

95th percentile per-packet one-way delay: 43.523 ms

Loss rate: 0.65%

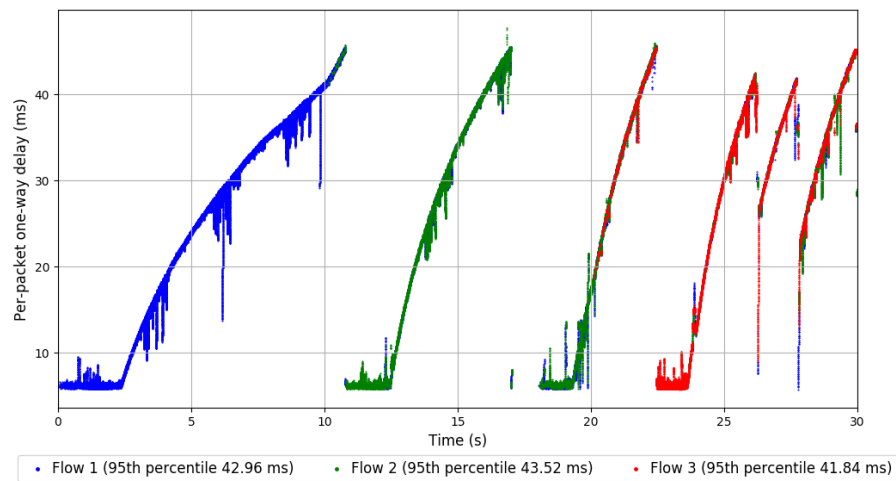
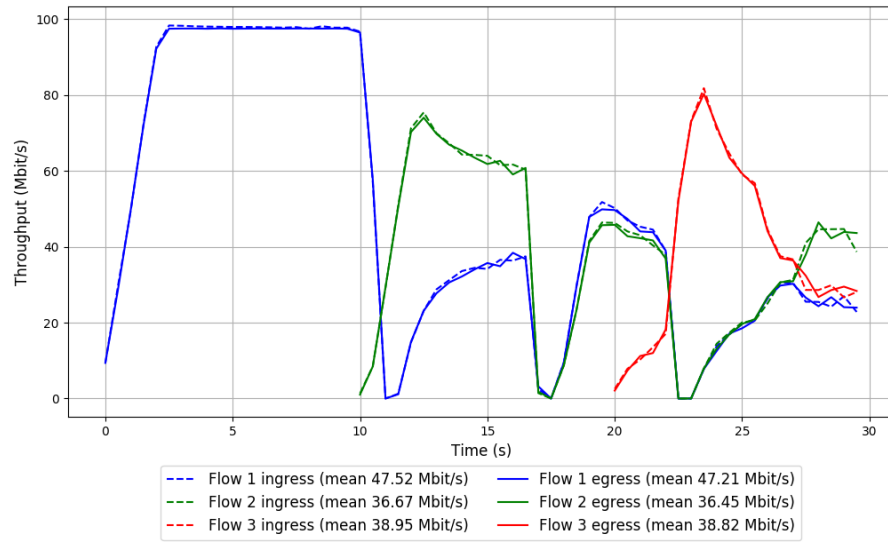
-- Flow 3:

Average throughput: 38.82 Mbit/s

95th percentile per-packet one-way delay: 41.835 ms

Loss rate: 0.13%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Tue, 01 Aug 2017 01:45:55 +0000

End at: Tue, 01 Aug 2017 01:46:25 +0000

Local clock offset: 1.85 ms

Remote clock offset: -4.554 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:26:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.69 Mbit/s

95th percentile per-packet one-way delay: 42.830 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 46.99 Mbit/s

95th percentile per-packet one-way delay: 42.572 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 32.74 Mbit/s

95th percentile per-packet one-way delay: 43.268 ms

Loss rate: 0.92%

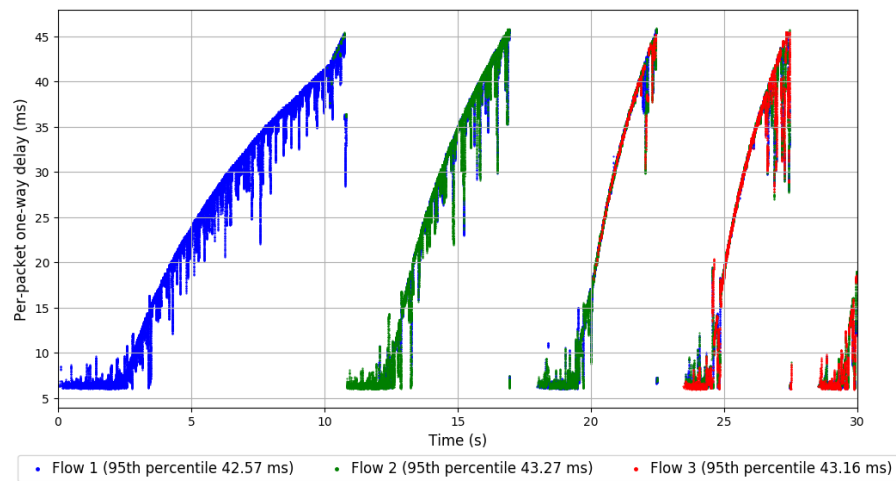
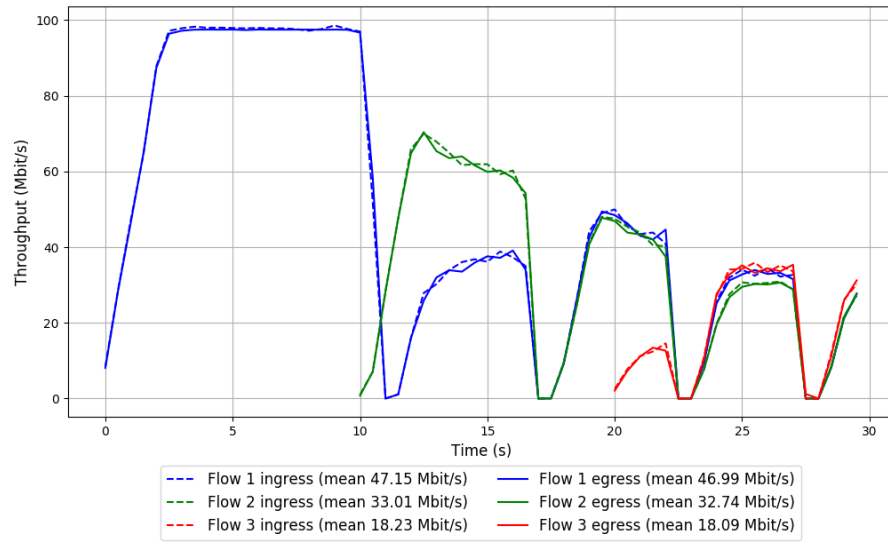
-- Flow 3:

Average throughput: 18.09 Mbit/s

95th percentile per-packet one-way delay: 43.157 ms

Loss rate: 0.73%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Tue, 01 Aug 2017 02:22:49 +0000

End at: Tue, 01 Aug 2017 02:23:19 +0000

Local clock offset: 1.414 ms

Remote clock offset: -3.88 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:26:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.89 Mbit/s

95th percentile per-packet one-way delay: 43.614 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 54.20 Mbit/s

95th percentile per-packet one-way delay: 43.321 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 34.68 Mbit/s

95th percentile per-packet one-way delay: 43.829 ms

Loss rate: 0.27%

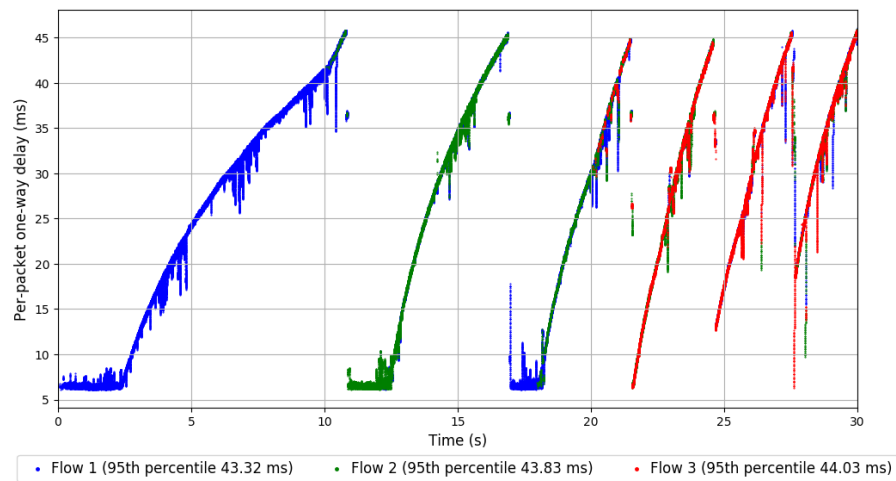
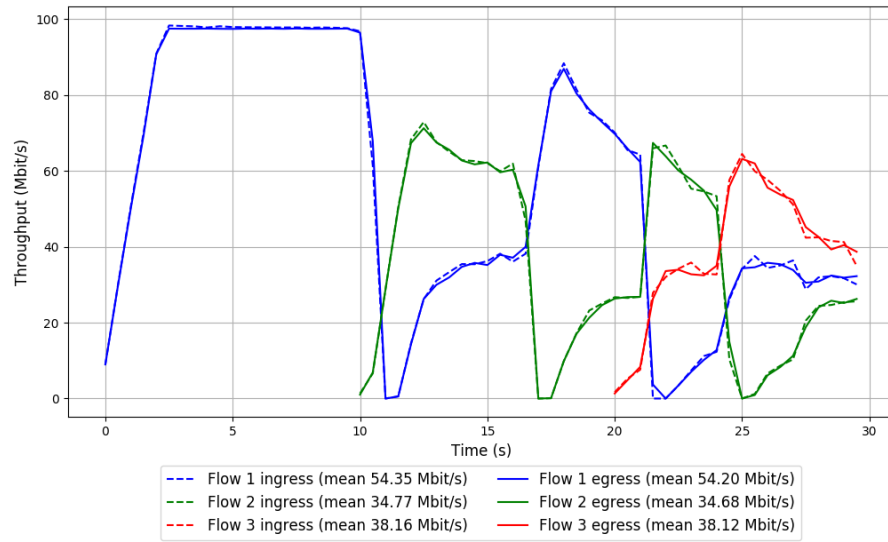
-- Flow 3:

Average throughput: 38.12 Mbit/s

95th percentile per-packet one-way delay: 44.029 ms

Loss rate: 0.09%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Tue, 01 Aug 2017 03:19:27 +0000

End at: Tue, 01 Aug 2017 03:19:57 +0000

Local clock offset: 1.902 ms

Remote clock offset: -4.227 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:26:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.37 Mbit/s

95th percentile per-packet one-way delay: 42.948 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 47.09 Mbit/s

95th percentile per-packet one-way delay: 42.546 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 38.52 Mbit/s

95th percentile per-packet one-way delay: 43.519 ms

Loss rate: 0.62%

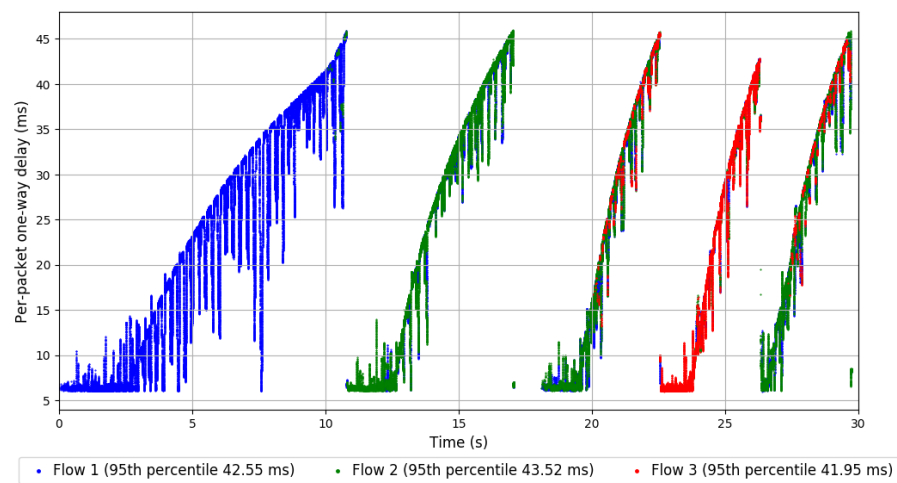
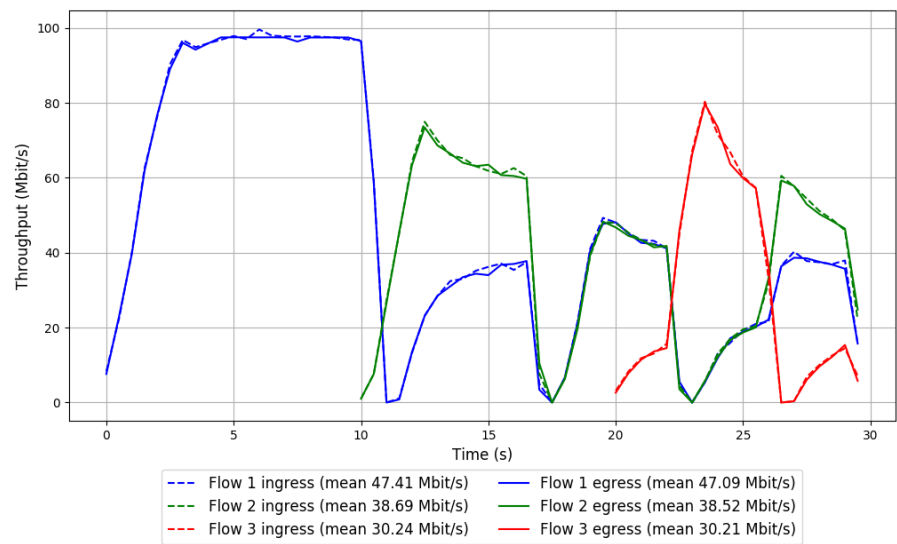
-- Flow 3:

Average throughput: 30.21 Mbit/s

95th percentile per-packet one-way delay: 41.950 ms

Loss rate: 0.49%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Tue, 01 Aug 2017 04:01:37 +0000

End at: Tue, 01 Aug 2017 04:02:07 +0000

Local clock offset: 1.36 ms

Remote clock offset: -4.855 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:27:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.10 Mbit/s

95th percentile per-packet one-way delay: 43.367 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 51.22 Mbit/s

95th percentile per-packet one-way delay: 43.095 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 31.63 Mbit/s

95th percentile per-packet one-way delay: 43.810 ms

Loss rate: 0.42%

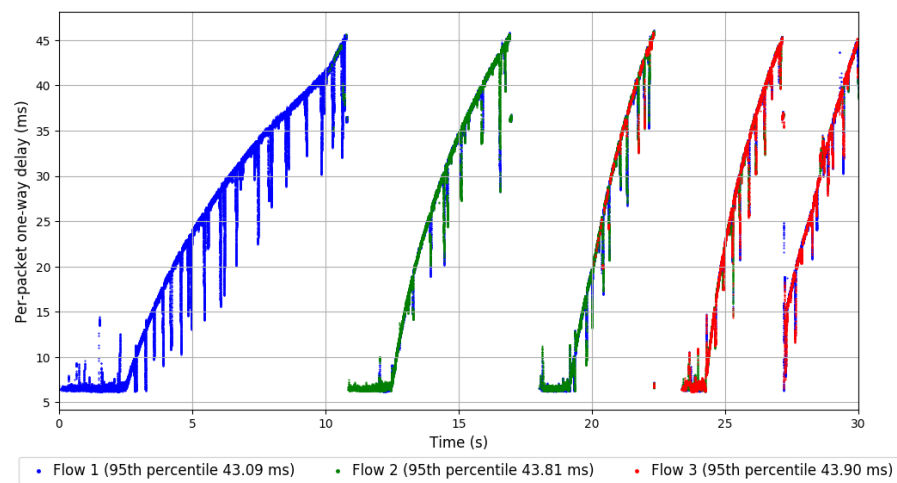
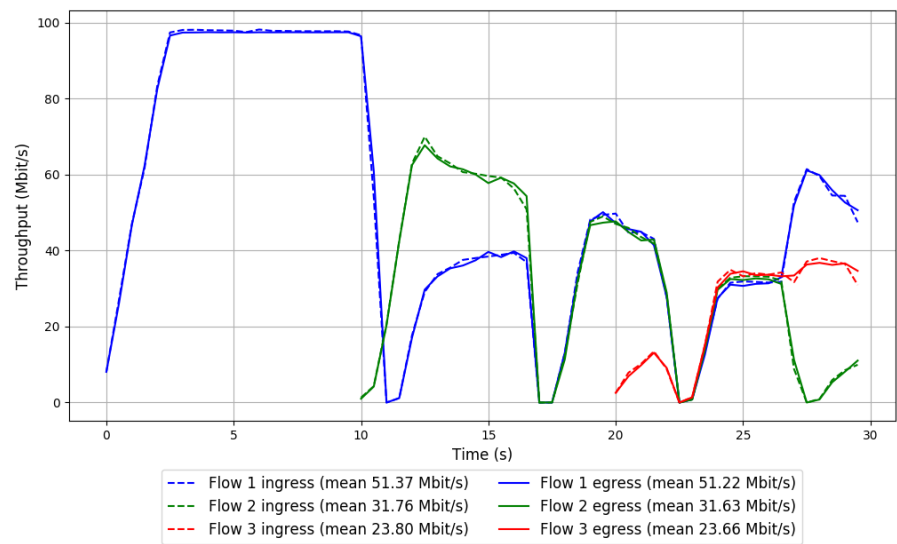
-- Flow 3:

Average throughput: 23.66 Mbit/s

95th percentile per-packet one-way delay: 43.897 ms

Loss rate: 0.34%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Tue, 01 Aug 2017 04:21:15 +0000

End at: Tue, 01 Aug 2017 04:21:45 +0000

Local clock offset: -1.672 ms

Remote clock offset: -1.507 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:27:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.51 Mbit/s

95th percentile per-packet one-way delay: 49.805 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 59.26 Mbit/s

95th percentile per-packet one-way delay: 49.124 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 31.15 Mbit/s

95th percentile per-packet one-way delay: 50.573 ms

Loss rate: 0.49%

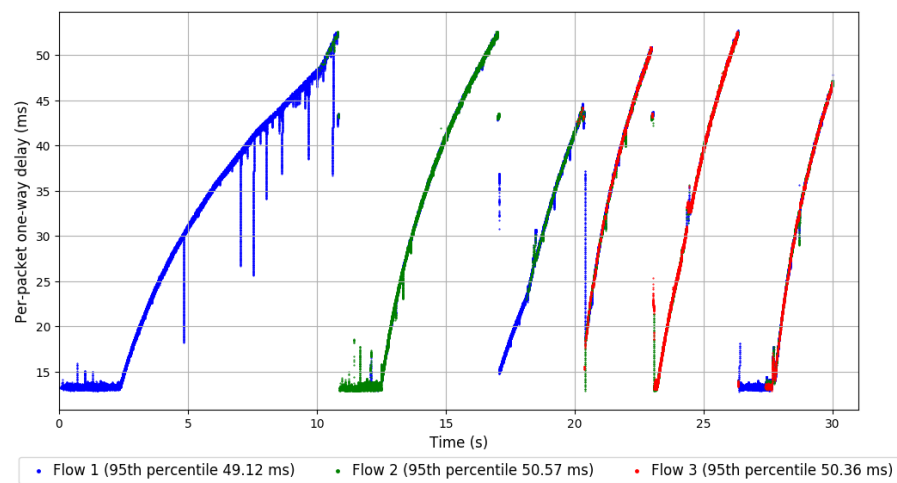
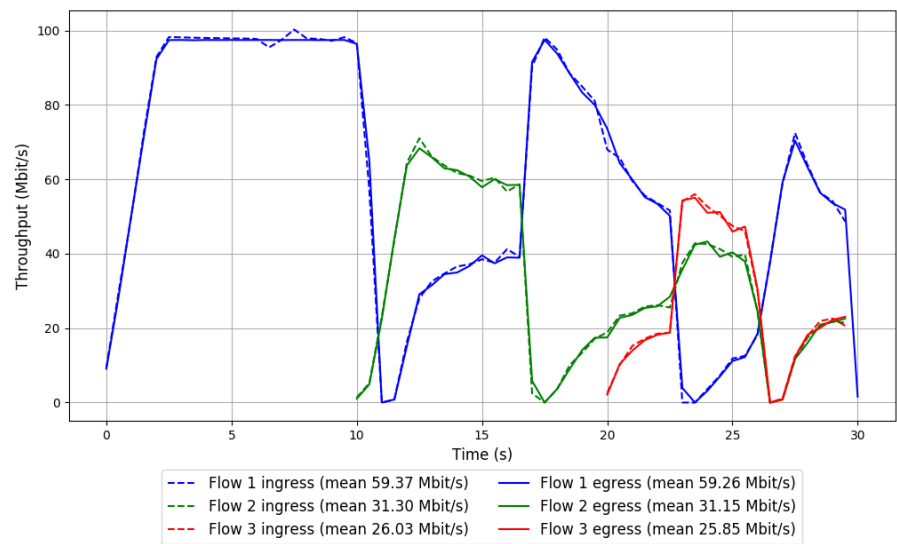
-- Flow 3:

Average throughput: 25.85 Mbit/s

95th percentile per-packet one-way delay: 50.359 ms

Loss rate: 0.65%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Tue, 01 Aug 2017 04:40:28 +0000

End at: Tue, 01 Aug 2017 04:40:58 +0000

Local clock offset: 2.972 ms

Remote clock offset: -3.21 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:27:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.26 Mbit/s

95th percentile per-packet one-way delay: 43.331 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 56.65 Mbit/s

95th percentile per-packet one-way delay: 43.115 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 35.62 Mbit/s

95th percentile per-packet one-way delay: 43.821 ms

Loss rate: 0.22%

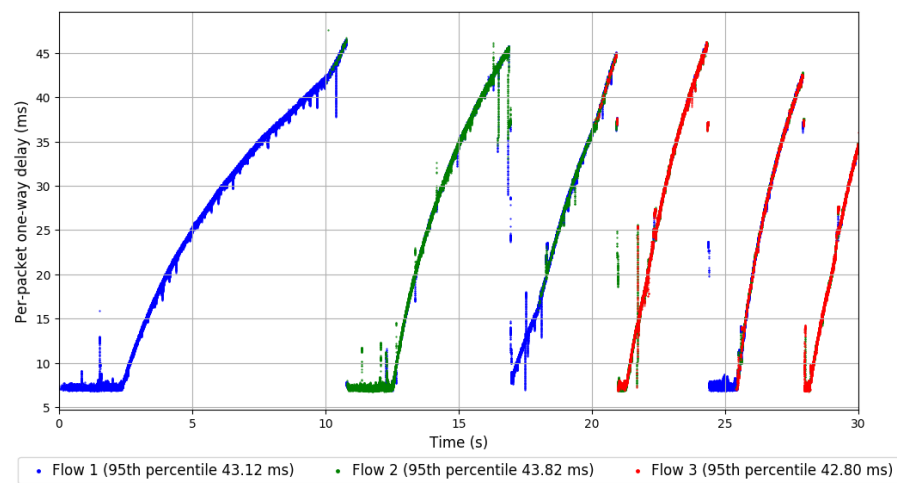
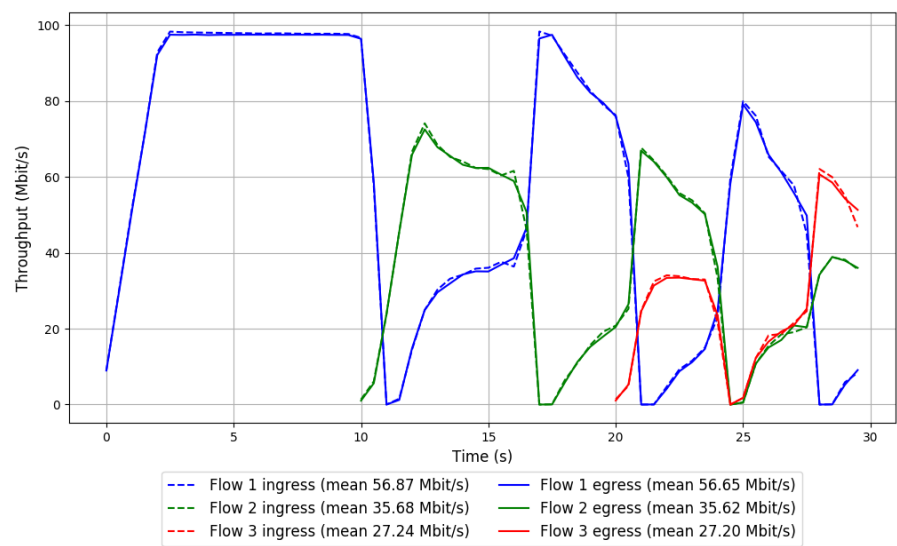
-- Flow 3:

Average throughput: 27.20 Mbit/s

95th percentile per-packet one-way delay: 42.802 ms

Loss rate: 0.15%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Mon, 31 Jul 2017 23:48:36 +0000

End at: Mon, 31 Jul 2017 23:49:06 +0000

Local clock offset: -1.113 ms

Remote clock offset: -4.025 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:27:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.18 Mbit/s

95th percentile per-packet one-way delay: 43.046 ms

Loss rate: 1.89%

-- Flow 1:

Average throughput: 76.28 Mbit/s

95th percentile per-packet one-way delay: 42.611 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 9.17 Mbit/s

95th percentile per-packet one-way delay: 43.805 ms

Loss rate: 1.93%

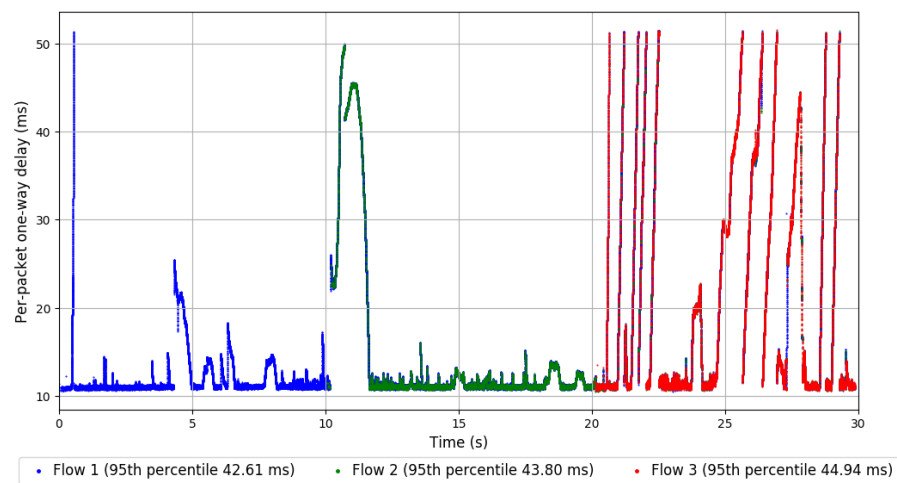
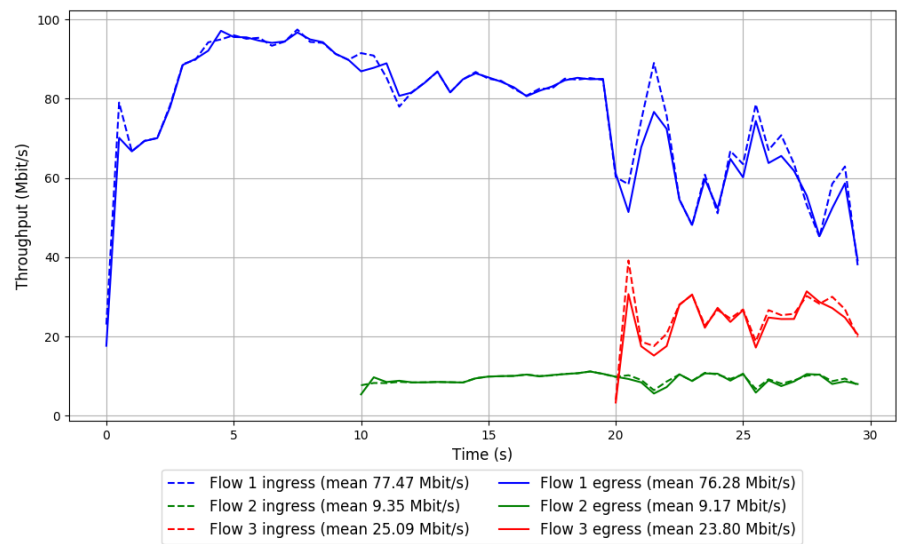
-- Flow 3:

Average throughput: 23.80 Mbit/s

95th percentile per-packet one-way delay: 44.944 ms

Loss rate: 5.16%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 01 Aug 2017 00:06:51 +0000

End at: Tue, 01 Aug 2017 00:07:21 +0000

Local clock offset: 1.186 ms

Remote clock offset: -3.3 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:27:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.45 Mbit/s

95th percentile per-packet one-way delay: 30.503 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 74.83 Mbit/s

95th percentile per-packet one-way delay: 29.093 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 10.16 Mbit/s

95th percentile per-packet one-way delay: 32.995 ms

Loss rate: 0.46%

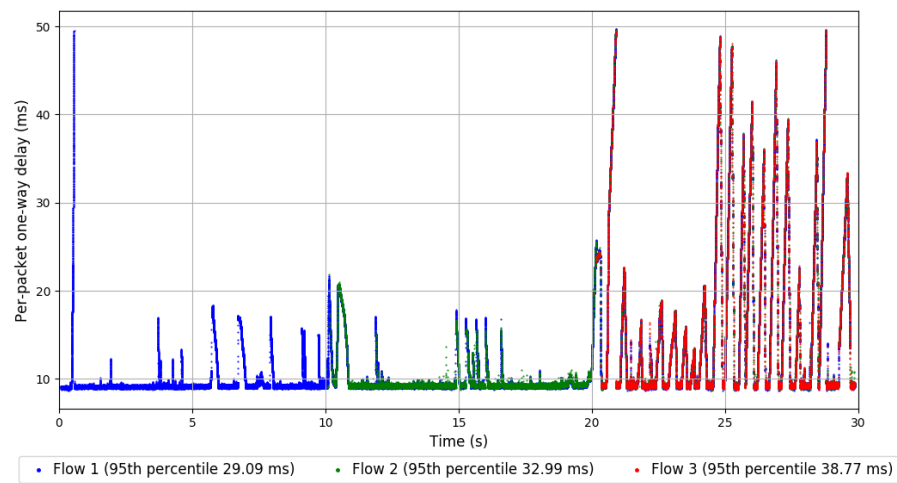
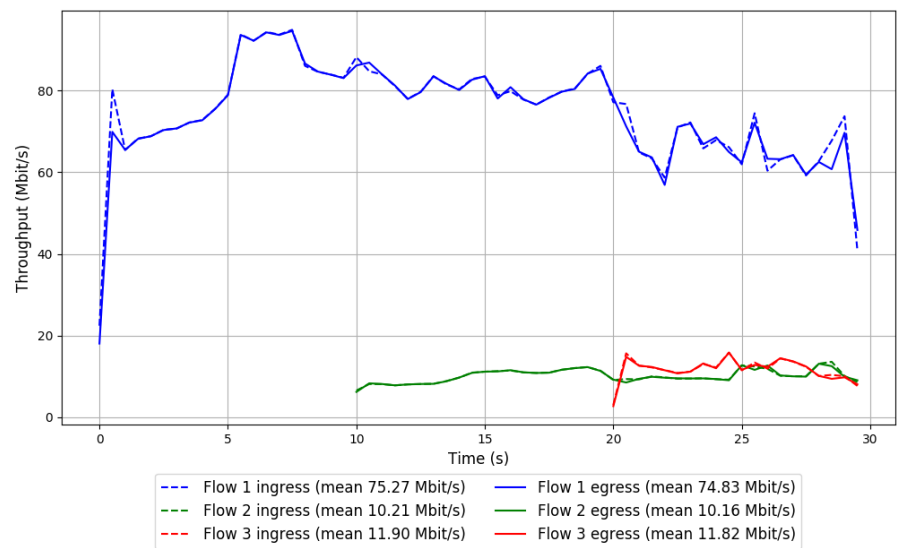
-- Flow 3:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 38.769 ms

Loss rate: 0.81%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Tue, 01 Aug 2017 00:26:54 +0000

End at: Tue, 01 Aug 2017 00:27:24 +0000

Local clock offset: 2.869 ms

Remote clock offset: -4.325 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:27:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.94 Mbit/s

95th percentile per-packet one-way delay: 7.062 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 23.55 Mbit/s

95th percentile per-packet one-way delay: 6.595 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 6.678 ms

Loss rate: 0.13%

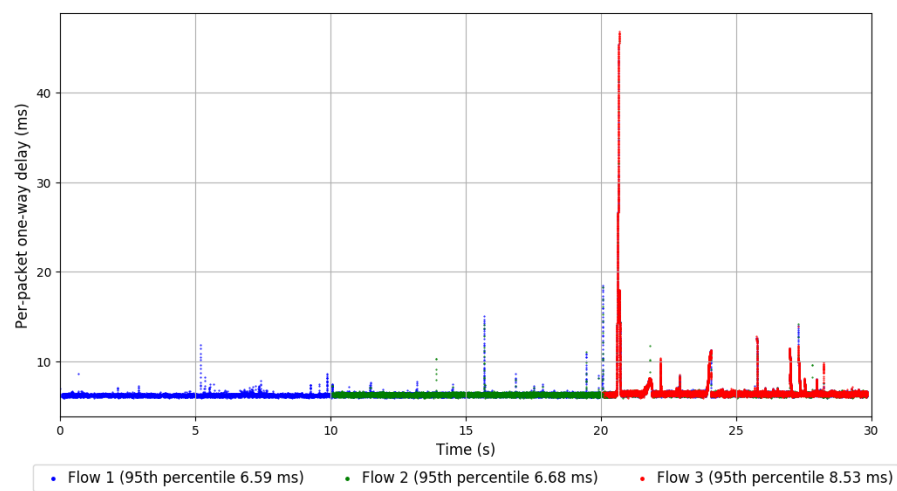
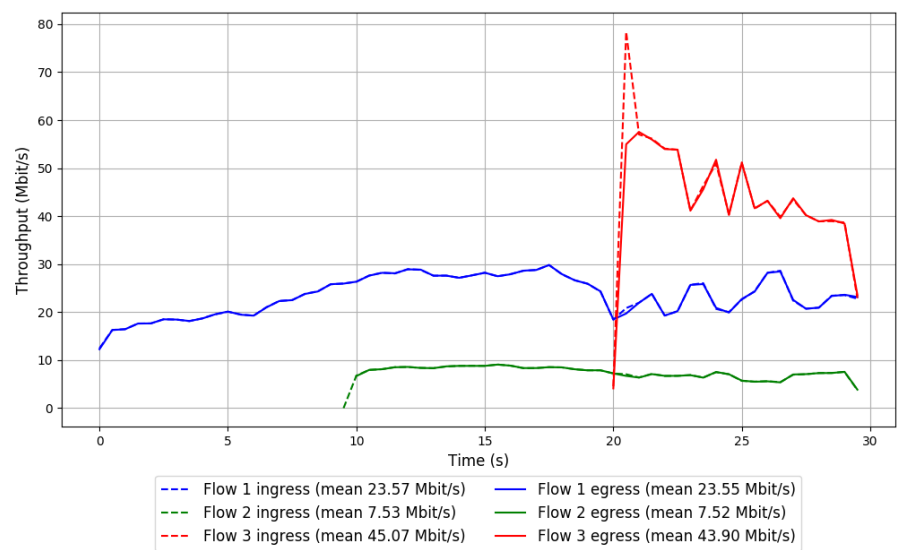
-- Flow 3:

Average throughput: 43.90 Mbit/s

95th percentile per-packet one-way delay: 8.525 ms

Loss rate: 2.61%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 01 Aug 2017 01:15:12 +0000

End at: Tue, 01 Aug 2017 01:15:42 +0000

Local clock offset: 2.479 ms

Remote clock offset: -4.19 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:27:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.09 Mbit/s

95th percentile per-packet one-way delay: 40.308 ms

Loss rate: 1.44%

-- Flow 1:

Average throughput: 72.57 Mbit/s

95th percentile per-packet one-way delay: 39.903 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 18.79 Mbit/s

95th percentile per-packet one-way delay: 41.563 ms

Loss rate: 1.62%

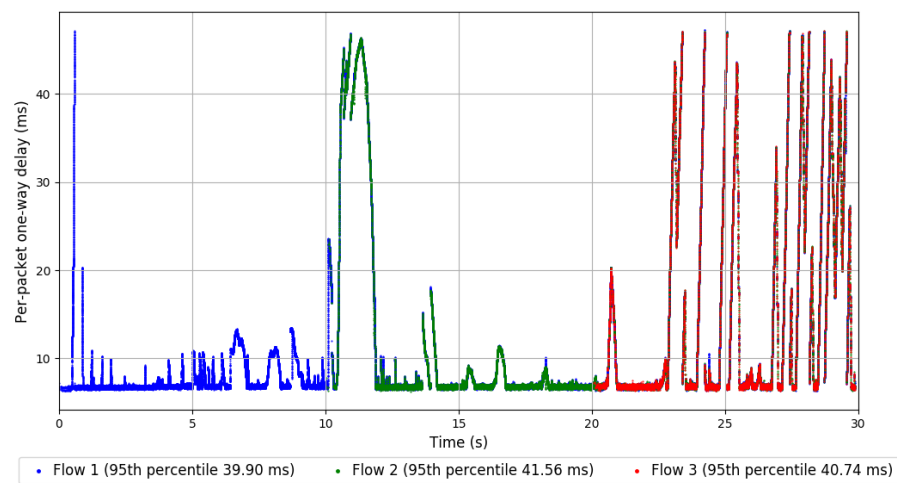
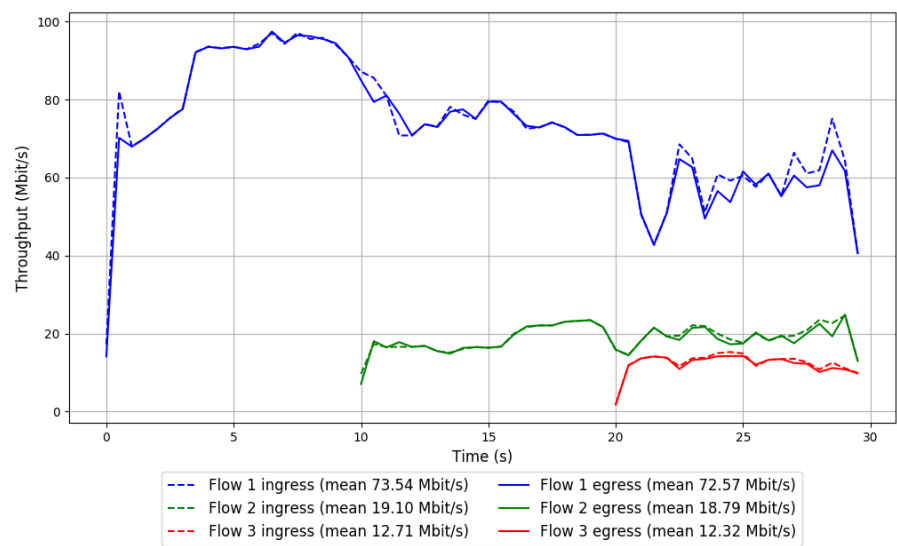
-- Flow 3:

Average throughput: 12.32 Mbit/s

95th percentile per-packet one-way delay: 40.742 ms

Loss rate: 3.13%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Tue, 01 Aug 2017 01:41:23 +0000

End at: Tue, 01 Aug 2017 01:41:53 +0000

Local clock offset: 1.819 ms

Remote clock offset: -4.921 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:27:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.82 Mbit/s

95th percentile per-packet one-way delay: 26.532 ms

Loss rate: 1.88%

-- Flow 1:

Average throughput: 60.12 Mbit/s

95th percentile per-packet one-way delay: 21.192 ms

Loss rate: 1.62%

-- Flow 2:

Average throughput: 18.82 Mbit/s

95th percentile per-packet one-way delay: 27.112 ms

Loss rate: 1.83%

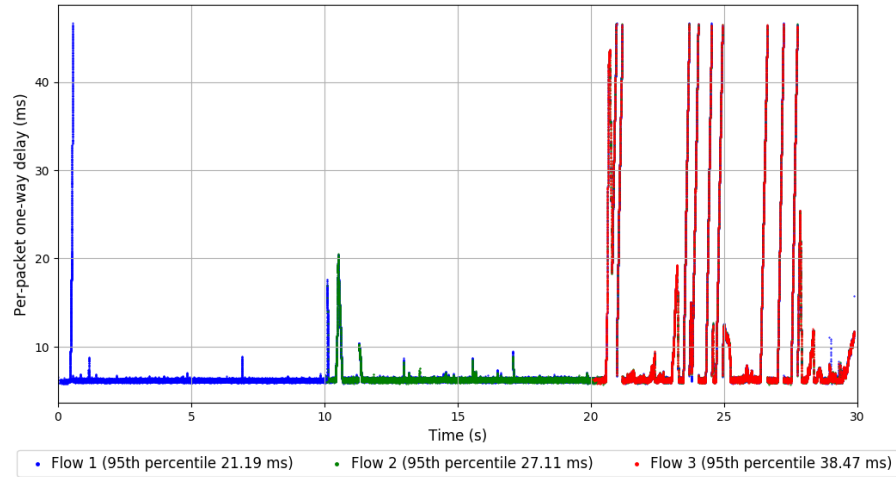
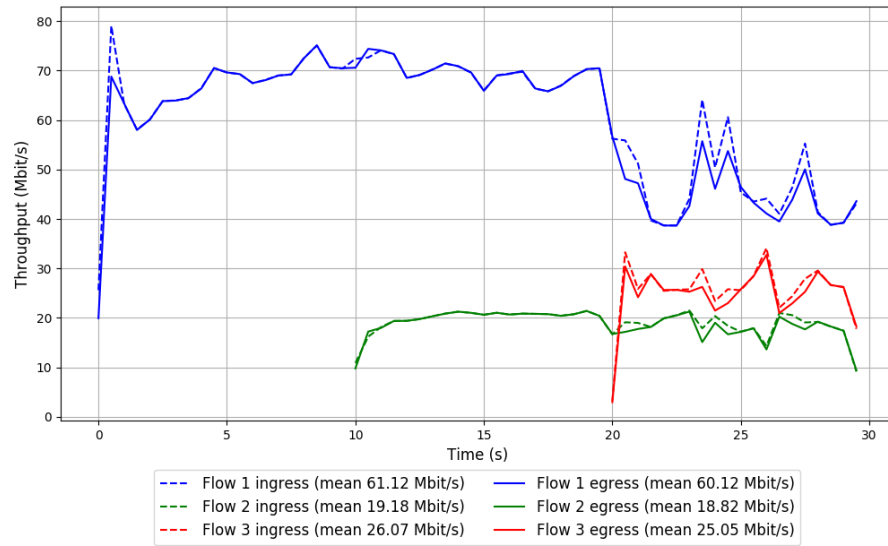
-- Flow 3:

Average throughput: 25.05 Mbit/s

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

Loss rate: 3.84%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Tue, 01 Aug 2017 02:19:56 +0000

End at: Tue, 01 Aug 2017 02:20:26 +0000

Local clock offset: -0.793 ms

Remote clock offset: -3.203 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:27:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.54 Mbit/s

95th percentile per-packet one-way delay: 19.684 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 68.36 Mbit/s

95th percentile per-packet one-way delay: 19.235 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 23.04 Mbit/s

95th percentile per-packet one-way delay: 21.062 ms

Loss rate: 0.00%

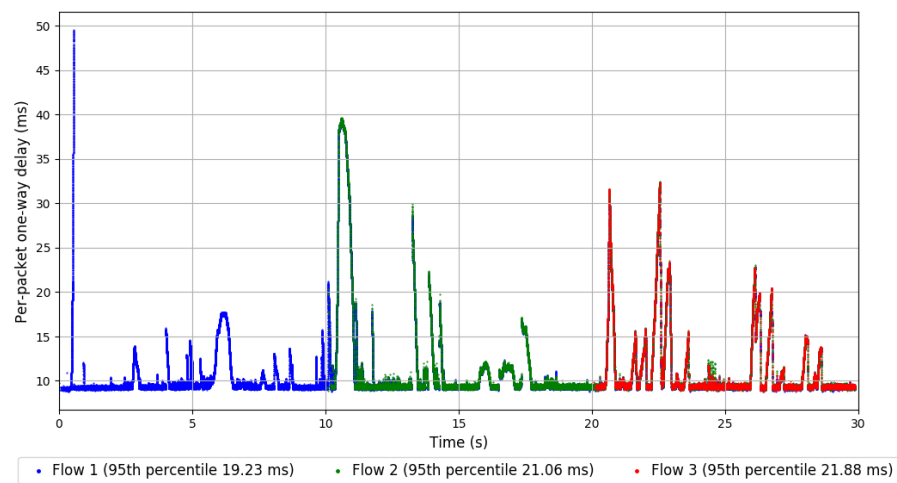
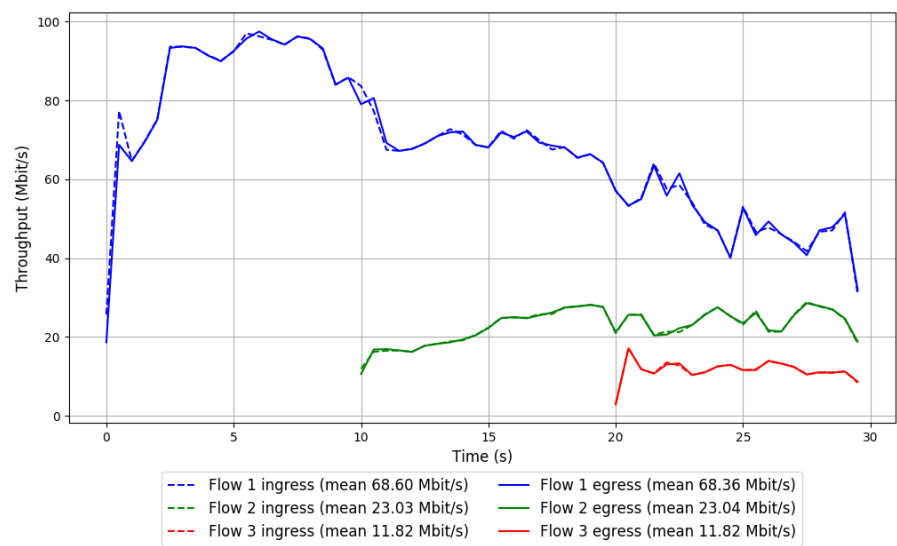
-- Flow 3:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 21.884 ms

Loss rate: 0.00%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Tue, 01 Aug 2017 03:10:17 +0000

End at: Tue, 01 Aug 2017 03:10:47 +0000

Local clock offset: -1.876 ms

Remote clock offset: -4.557 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:27:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.15 Mbit/s

95th percentile per-packet one-way delay: 34.847 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 77.11 Mbit/s

95th percentile per-packet one-way delay: 34.924 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 7.69 Mbit/s

95th percentile per-packet one-way delay: 40.492 ms

Loss rate: 0.21%

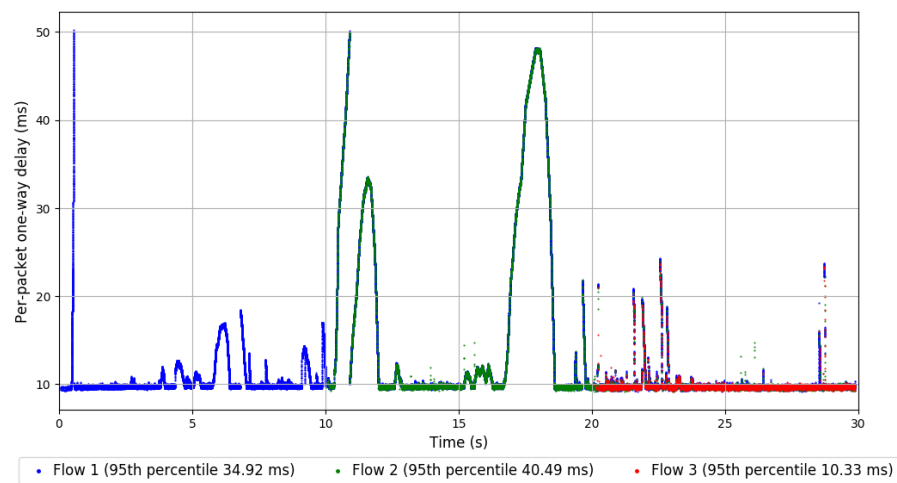
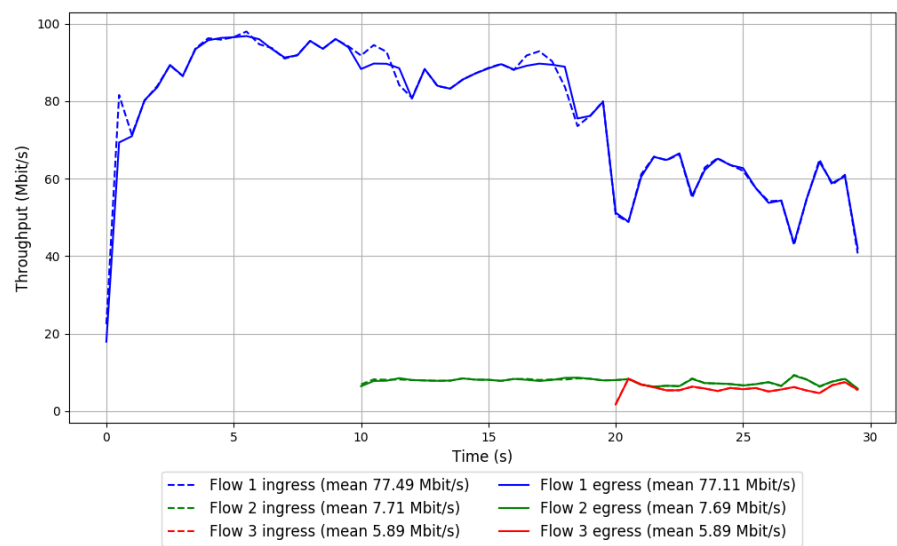
-- Flow 3:

Average throughput: 5.89 Mbit/s

95th percentile per-packet one-way delay: 10.329 ms

Loss rate: 0.00%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Tue, 01 Aug 2017 03:58:14 +0000

End at: Tue, 01 Aug 2017 03:58:44 +0000

Local clock offset: -0.823 ms

Remote clock offset: -4.086 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:28:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.78 Mbit/s

95th percentile per-packet one-way delay: 40.373 ms

Loss rate: 1.77%

-- Flow 1:

Average throughput: 73.14 Mbit/s

95th percentile per-packet one-way delay: 40.330 ms

Loss rate: 1.44%

-- Flow 2:

Average throughput: 7.34 Mbit/s

95th percentile per-packet one-way delay: 41.246 ms

Loss rate: 1.49%

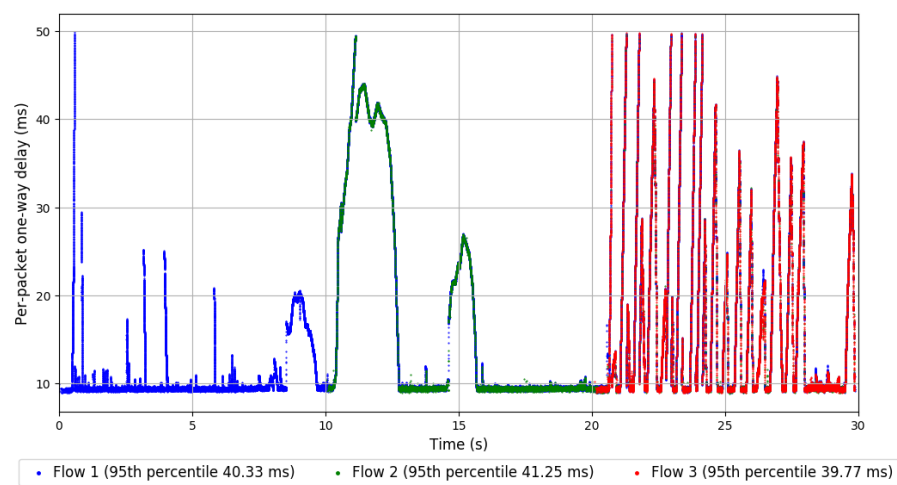
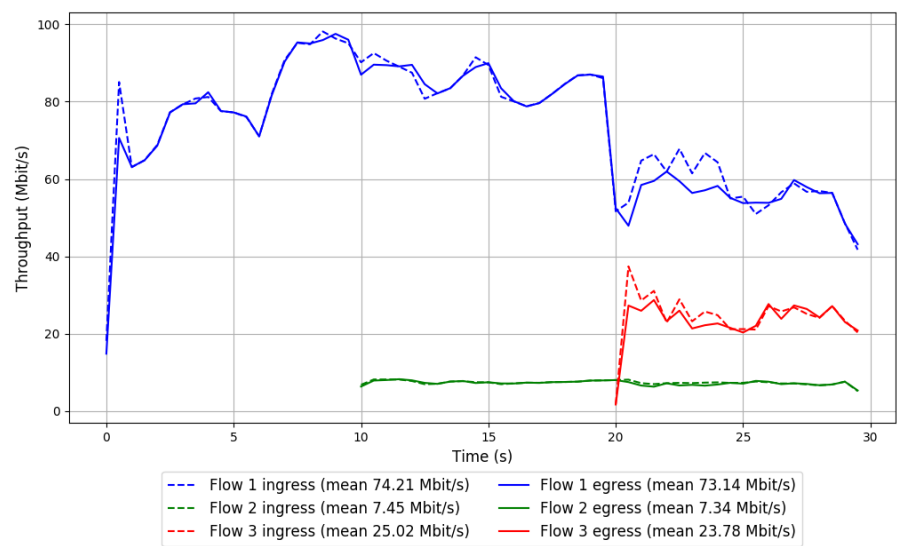
-- Flow 3:

Average throughput: 23.78 Mbit/s

95th percentile per-packet one-way delay: 39.771 ms

Loss rate: 4.96%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Tue, 01 Aug 2017 04:18:53 +0000

End at: Tue, 01 Aug 2017 04:19:23 +0000

Local clock offset: -0.596 ms

Remote clock offset: -7.966 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:28:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.29 Mbit/s

95th percentile per-packet one-way delay: 30.754 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 69.93 Mbit/s

95th percentile per-packet one-way delay: 30.168 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 17.55 Mbit/s

95th percentile per-packet one-way delay: 30.571 ms

Loss rate: 0.48%

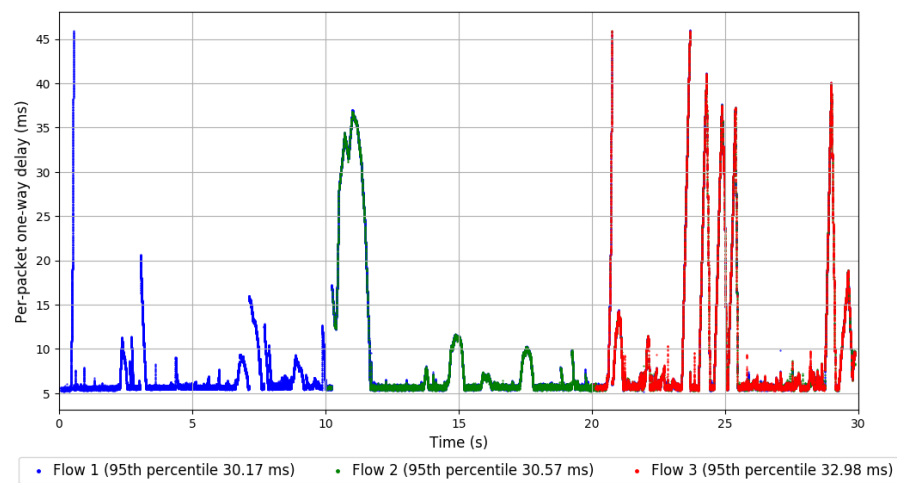
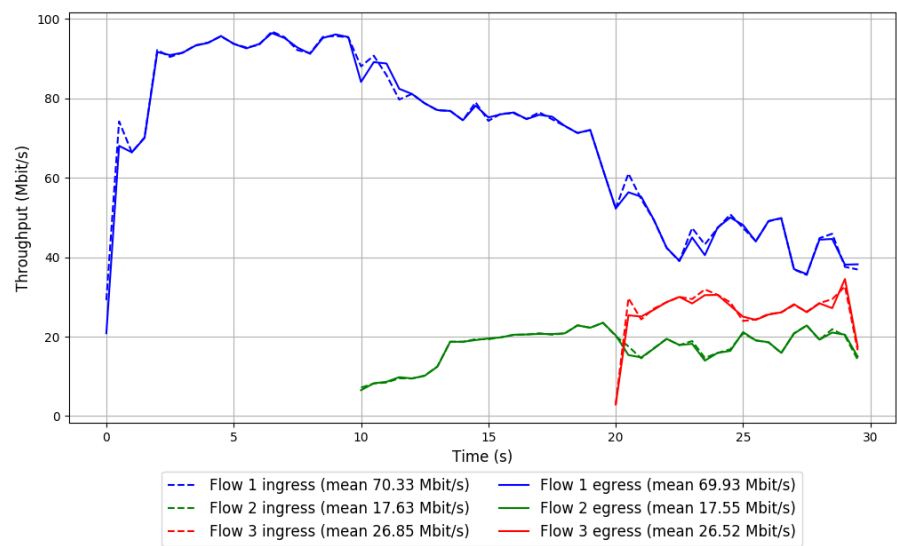
-- Flow 3:

Average throughput: 26.52 Mbit/s

95th percentile per-packet one-way delay: 32.979 ms

Loss rate: 1.17%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Tue, 01 Aug 2017 04:37:49 +0000

End at: Tue, 01 Aug 2017 04:38:19 +0000

Local clock offset: 0.299 ms

Remote clock offset: -3.414 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:28:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 36.842 ms

Loss rate: 1.13%

-- Flow 1:

Average throughput: 74.68 Mbit/s

95th percentile per-packet one-way delay: 36.373 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 7.47 Mbit/s

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

Loss rate: 0.98%

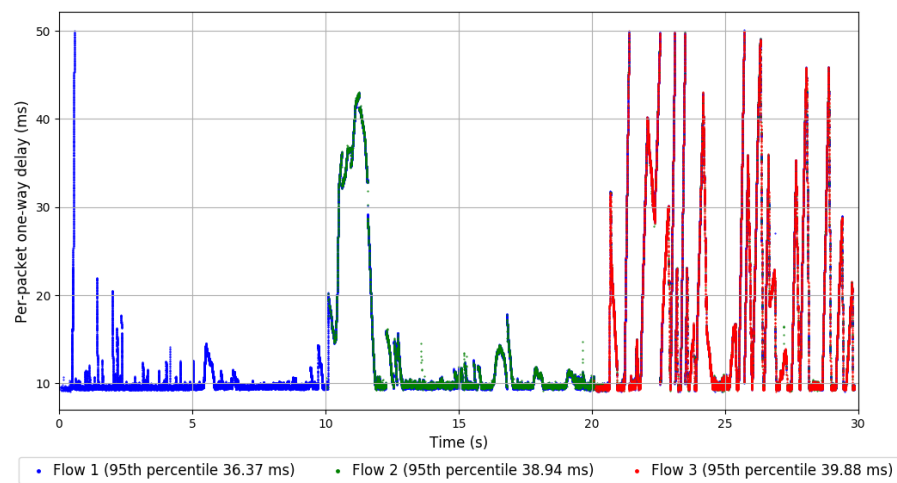
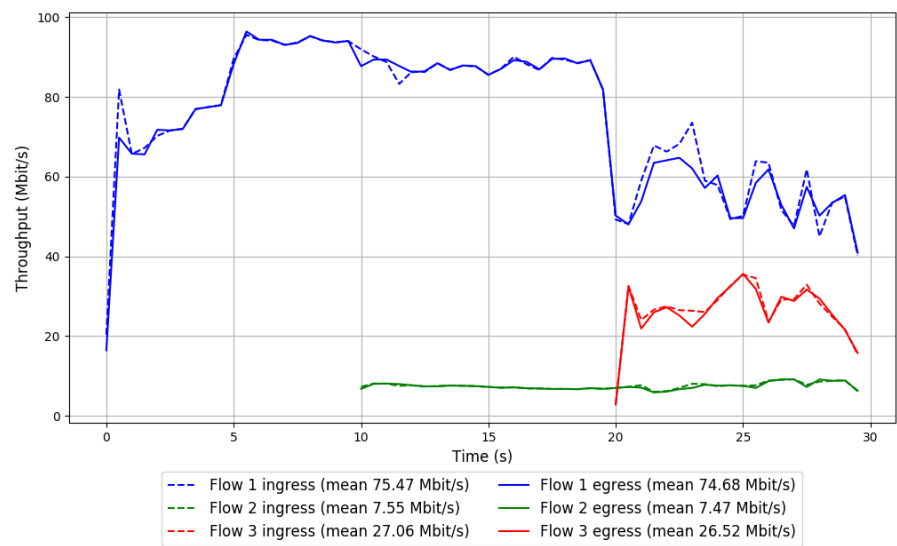
-- Flow 3:

Average throughput: 26.52 Mbit/s

95th percentile per-packet one-way delay: 39.881 ms

Loss rate: 2.03%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Mon, 31 Jul 2017 23:41:25 +0000

End at: Mon, 31 Jul 2017 23:41:55 +0000

Local clock offset: 0.134 ms

Remote clock offset: -4.377 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:28:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.46 Mbit/s

95th percentile per-packet one-way delay: 11.032 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 15.628 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 10.041 ms

Loss rate: 0.00%

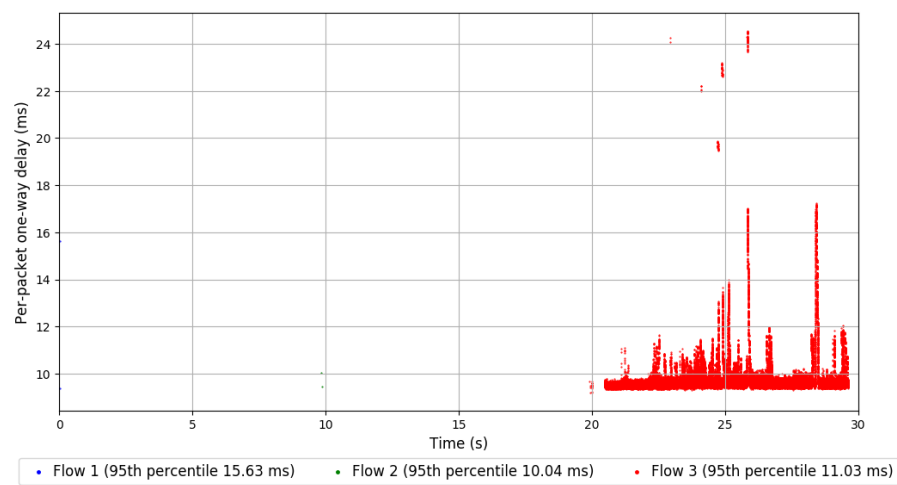
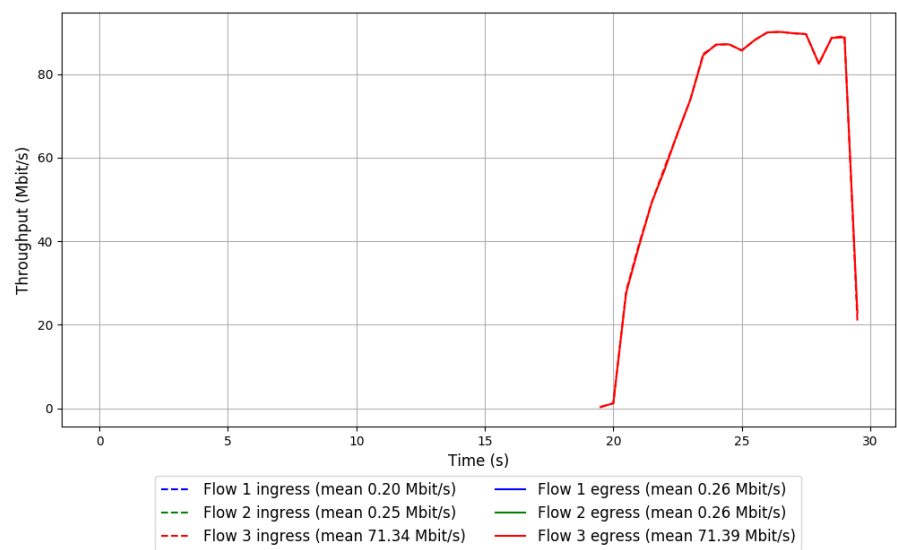
-- Flow 3:

Average throughput: 71.39 Mbit/s

95th percentile per-packet one-way delay: 11.031 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

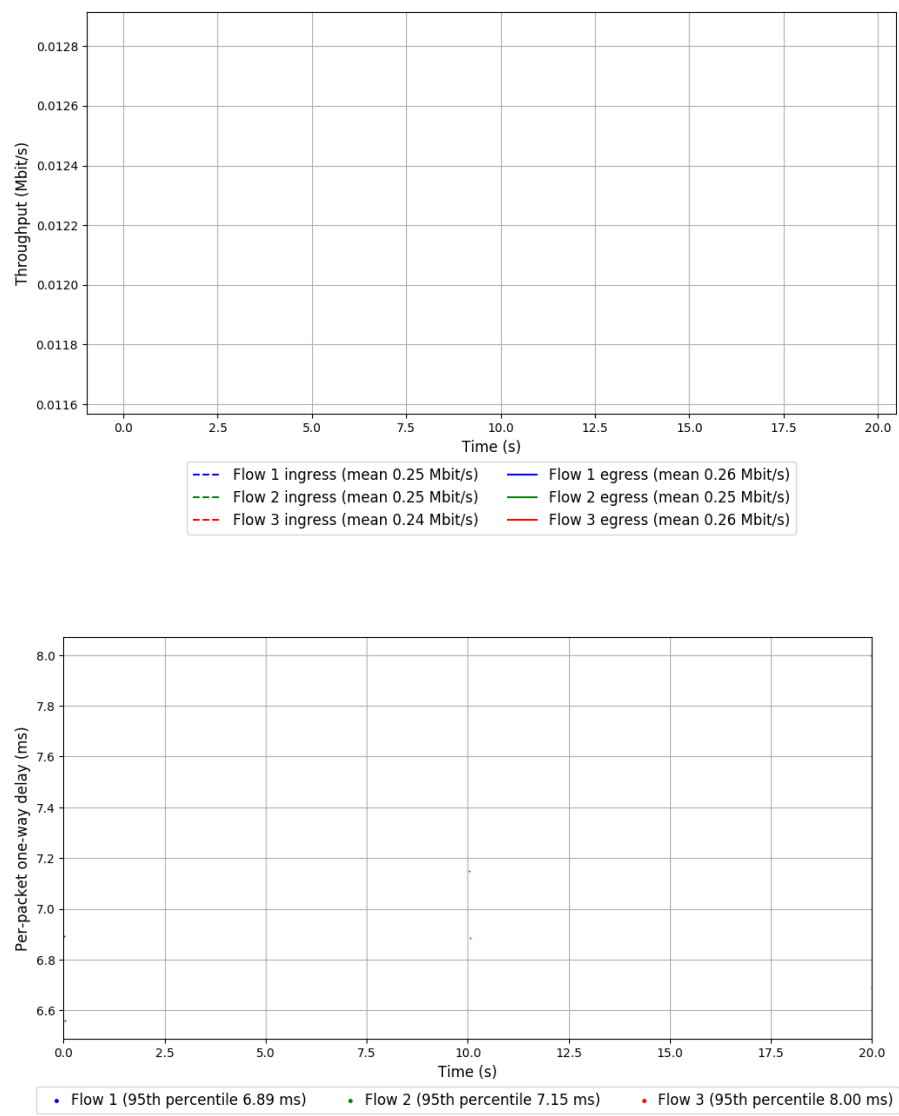
Start at: Mon, 31 Jul 2017 23:59:29 +0000

End at: Mon, 31 Jul 2017 23:59:59 +0000

Local clock offset: 2.597 ms

Remote clock offset: -4.061 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Tue, 01 Aug 2017 00:19:00 +0000

End at: Tue, 01 Aug 2017 00:19:30 +0000

Local clock offset: 3.837 ms

Remote clock offset: -4.317 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:28:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.85 Mbit/s

95th percentile per-packet one-way delay: 7.739 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 5.579 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 5.764 ms

Loss rate: 0.00%

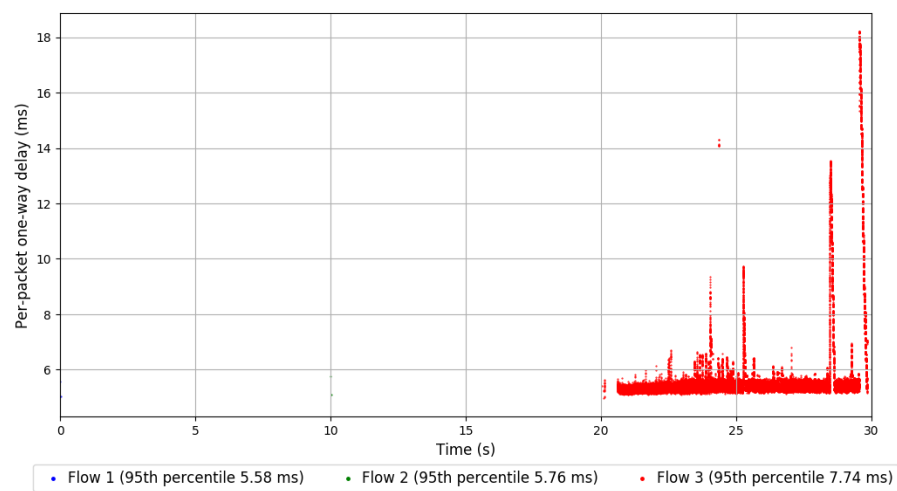
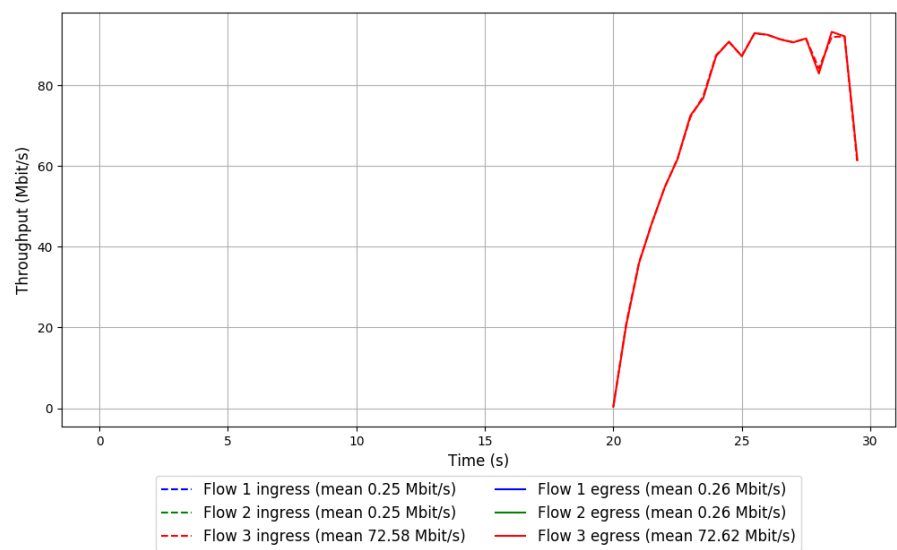
-- Flow 3:

Average throughput: 72.62 Mbit/s

95th percentile per-packet one-way delay: 7.739 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

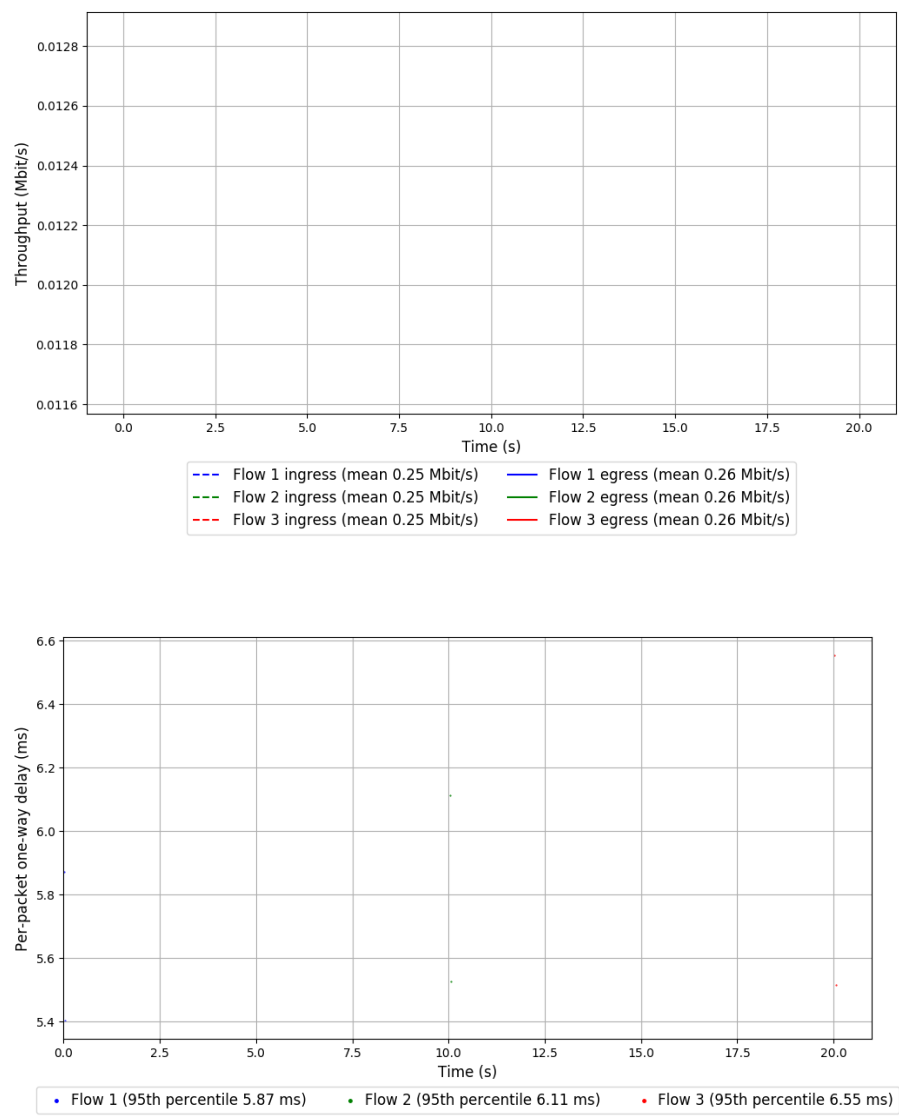
Start at: Tue, 01 Aug 2017 01:07:55 +0000

End at: Tue, 01 Aug 2017 01:08:25 +0000

Local clock offset: 2.43 ms

Remote clock offset: -5.063 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

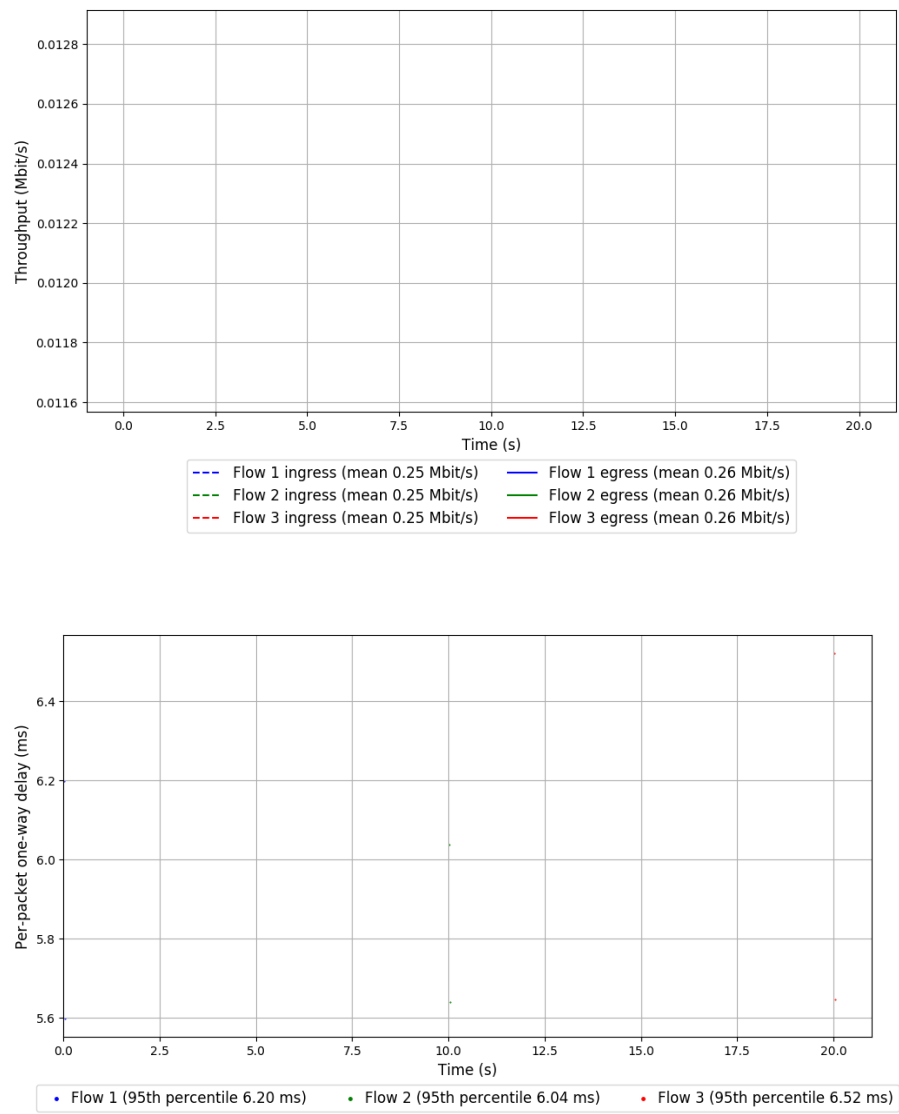
Start at: Tue, 01 Aug 2017 01:27:10 +0000

End at: Tue, 01 Aug 2017 01:27:40 +0000

Local clock offset: 2.346 ms

Remote clock offset: -5.0 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Tue, 01 Aug 2017 02:05:06 +0000

End at: Tue, 01 Aug 2017 02:05:36 +0000

Local clock offset: 0.653 ms

Remote clock offset: -4.229 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:28:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.37 Mbit/s

95th percentile per-packet one-way delay: 8.027 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 7.467 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 77.33 Mbit/s

95th percentile per-packet one-way delay: 8.026 ms

Loss rate: 0.00%

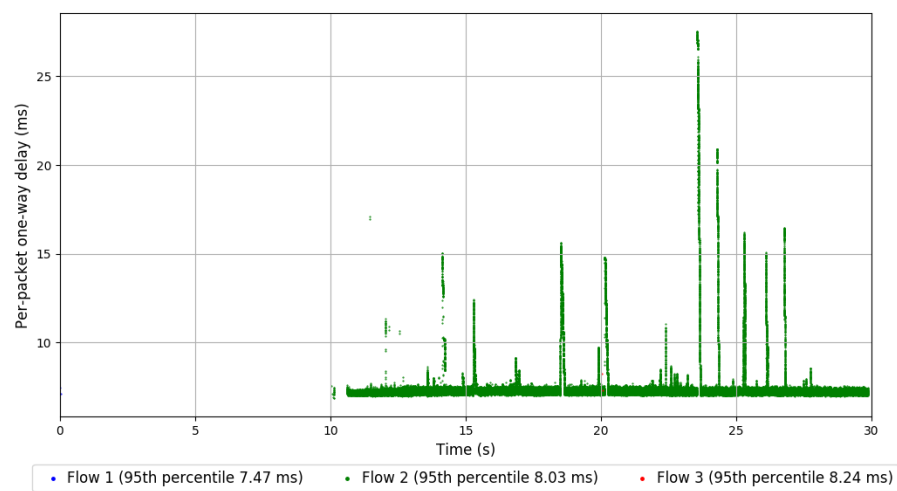
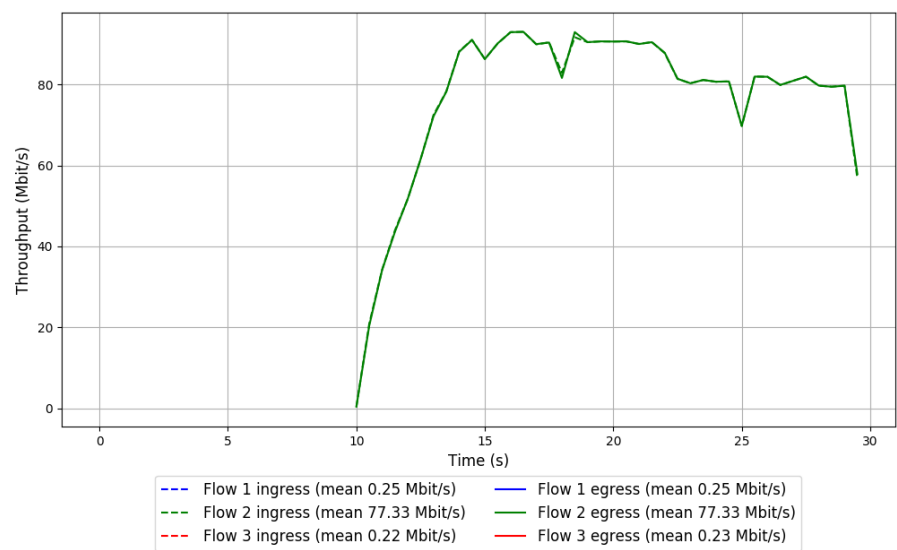
-- Flow 3:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 8.240 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

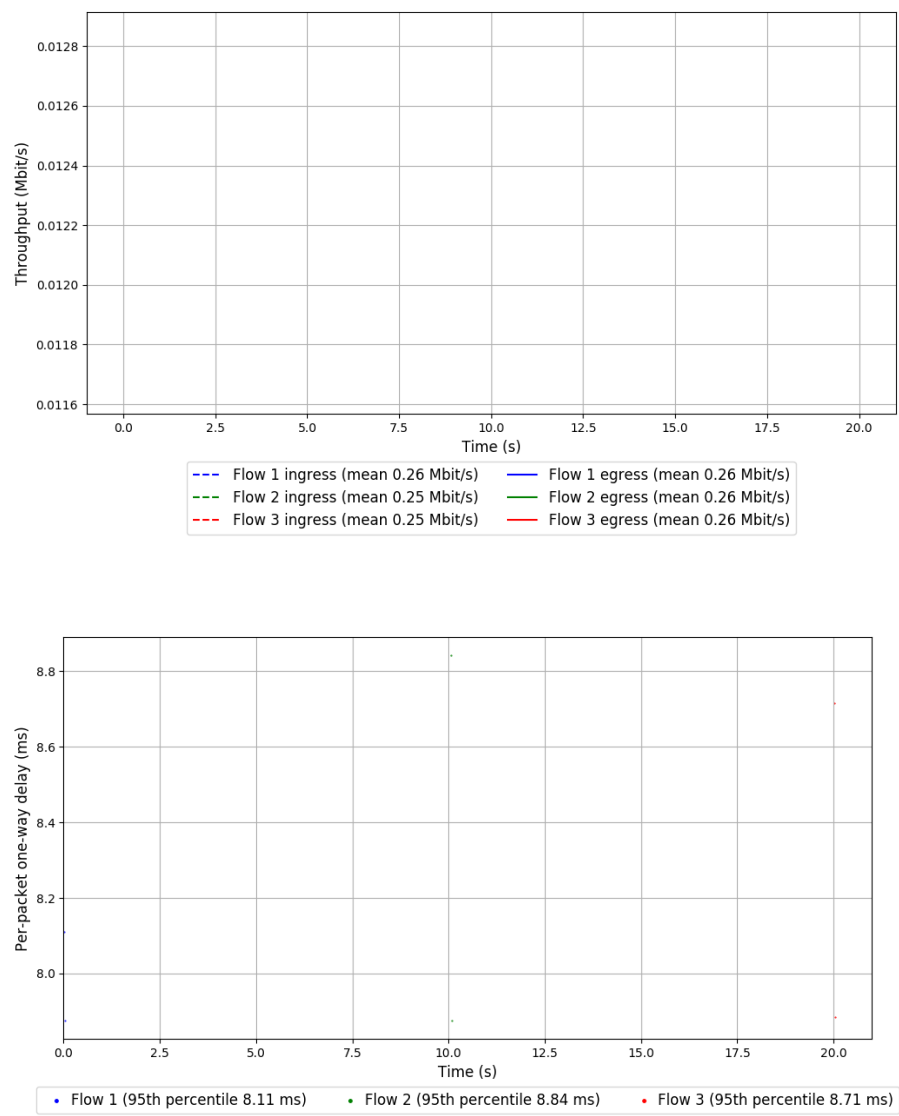
Start at: Tue, 01 Aug 2017 02:55:51 +0000

End at: Tue, 01 Aug 2017 02:56:21 +0000

Local clock offset: 0.39 ms

Remote clock offset: -3.507 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Tue, 01 Aug 2017 03:38:17 +0000

End at: Tue, 01 Aug 2017 03:38:47 +0000

Local clock offset: 1.699 ms

Remote clock offset: -5.386 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:28:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.88 Mbit/s

95th percentile per-packet one-way delay: 5.610 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.26 Mbit/s

95th percentile per-packet one-way delay: 5.574 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.25 Mbit/s

95th percentile per-packet one-way delay: 5.703 ms

Loss rate: 0.00%

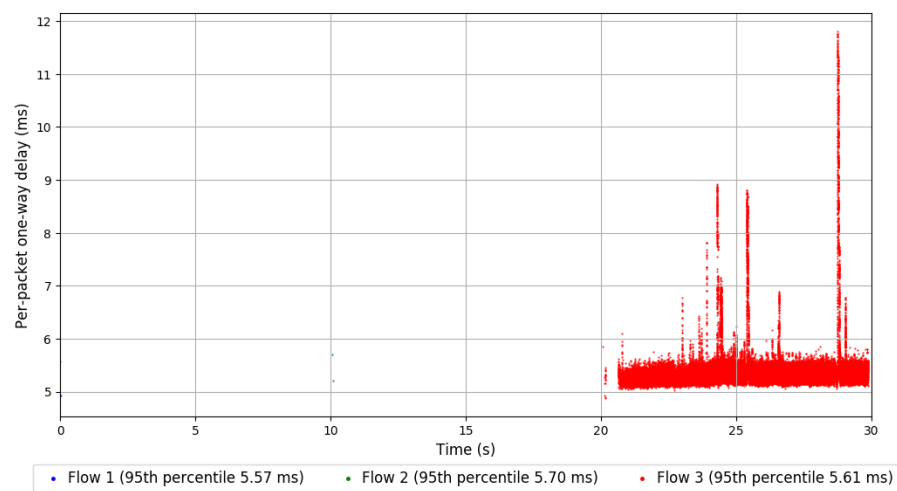
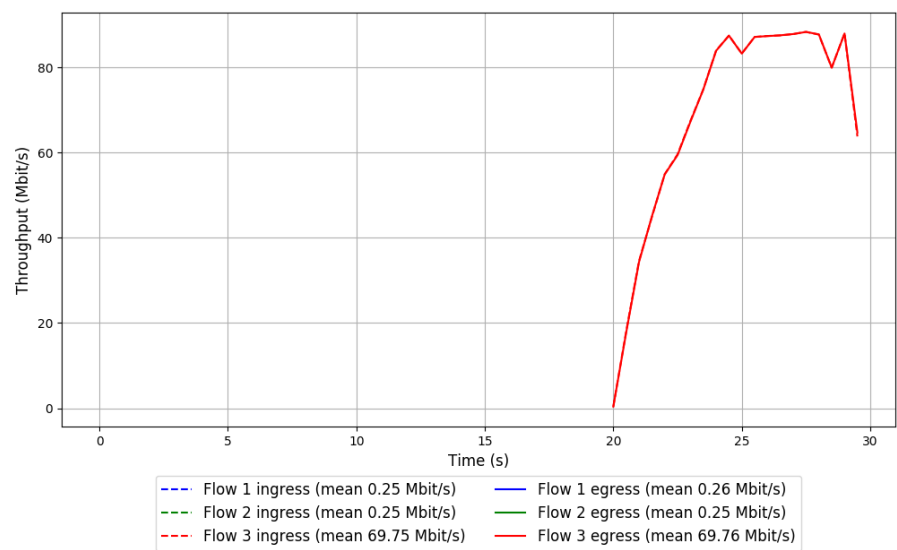
-- Flow 3:

Average throughput: 69.76 Mbit/s

95th percentile per-packet one-way delay: 5.610 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

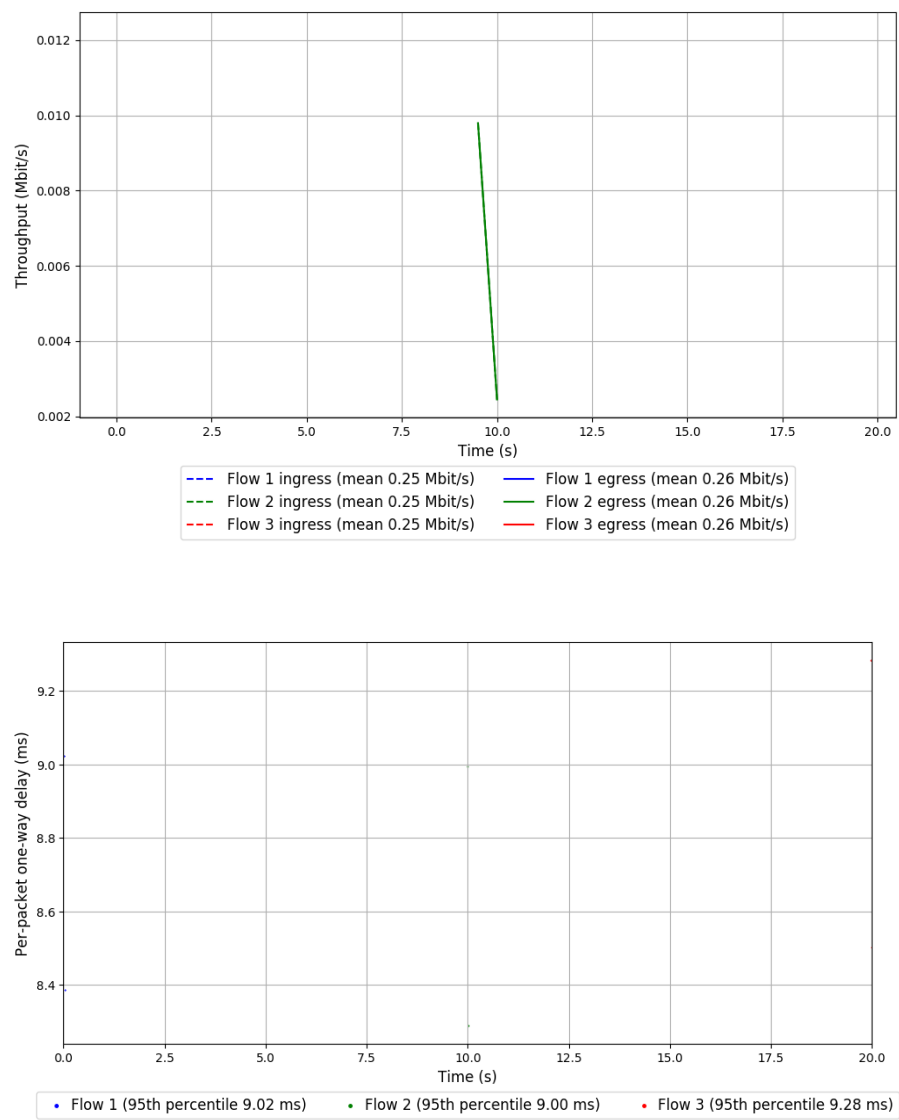
Start at: Tue, 01 Aug 2017 04:11:45 +0000

End at: Tue, 01 Aug 2017 04:12:15 +0000

Local clock offset: 2.156 ms

Remote clock offset: -2.091 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

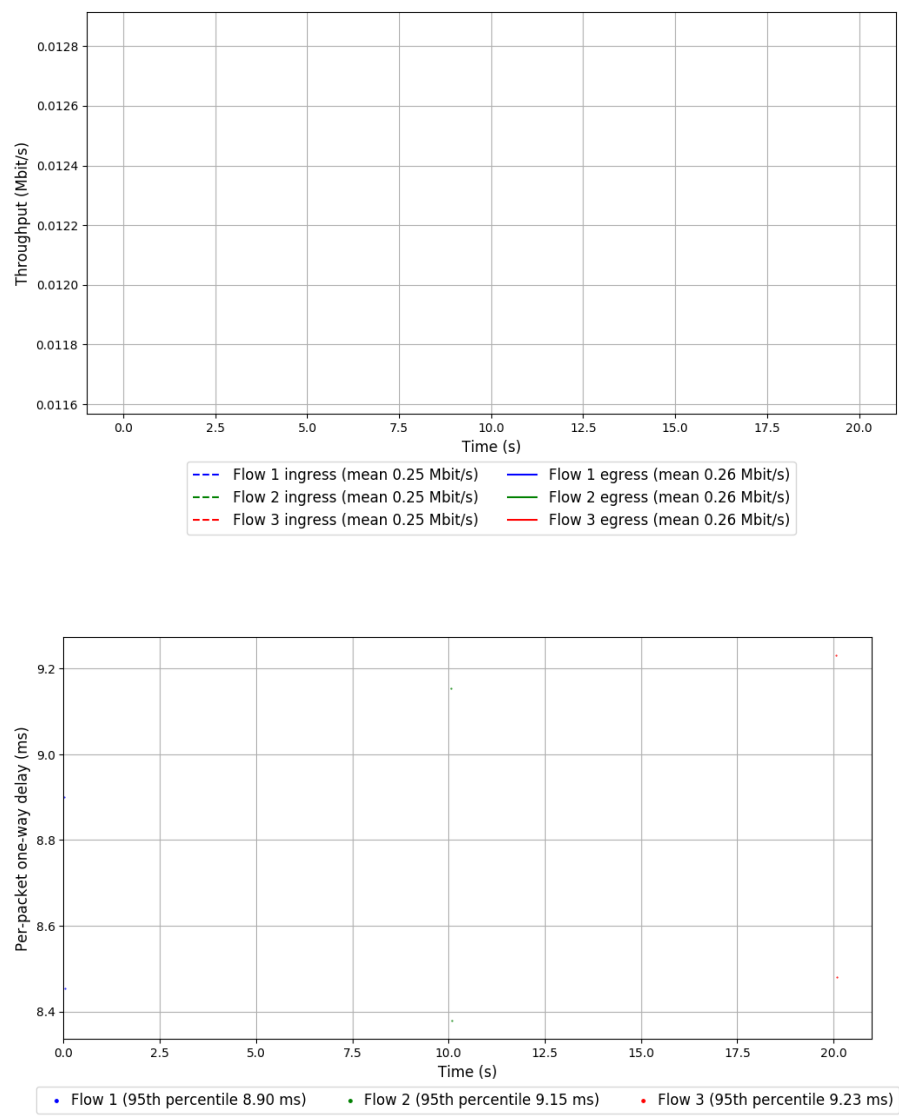
Start at: Tue, 01 Aug 2017 04:30:09 +0000

End at: Tue, 01 Aug 2017 04:30:39 +0000

Local clock offset: 2.401 ms

Remote clock offset: -2.071 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Mon, 31 Jul 2017 23:36:23 +0000

End at: Mon, 31 Jul 2017 23:36:53 +0000

Local clock offset: -0.561 ms

Remote clock offset: -4.826 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:28:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.00 Mbit/s

95th percentile per-packet one-way delay: 35.374 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 64.23 Mbit/s

95th percentile per-packet one-way delay: 35.368 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 48.34 Mbit/s

95th percentile per-packet one-way delay: 35.393 ms

Loss rate: 1.15%

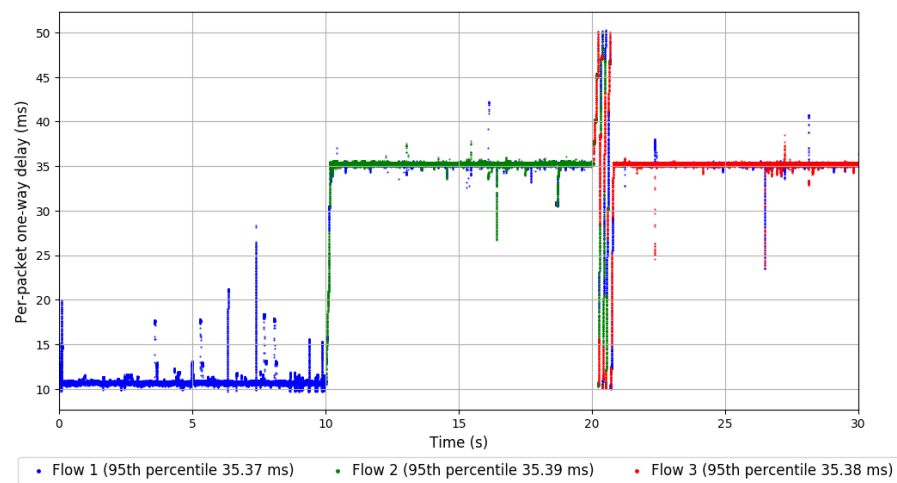
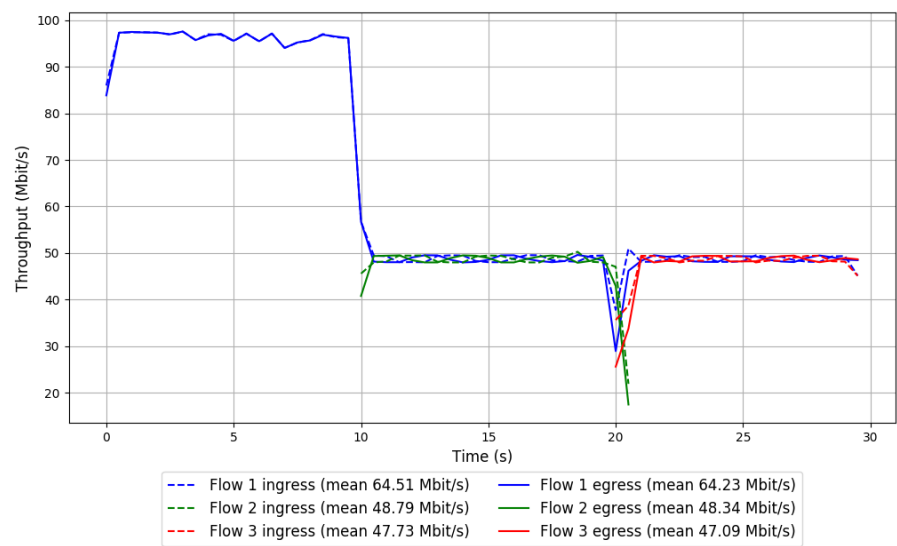
-- Flow 3:

Average throughput: 47.09 Mbit/s

95th percentile per-packet one-way delay: 35.381 ms

Loss rate: 1.34%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Mon, 31 Jul 2017 23:54:33 +0000

End at: Mon, 31 Jul 2017 23:55:03 +0000

Local clock offset: -0.664 ms

Remote clock offset: -3.879 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:28:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 35.991 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 64.51 Mbit/s

95th percentile per-packet one-way delay: 35.985 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 48.31 Mbit/s

95th percentile per-packet one-way delay: 35.996 ms

Loss rate: 0.43%

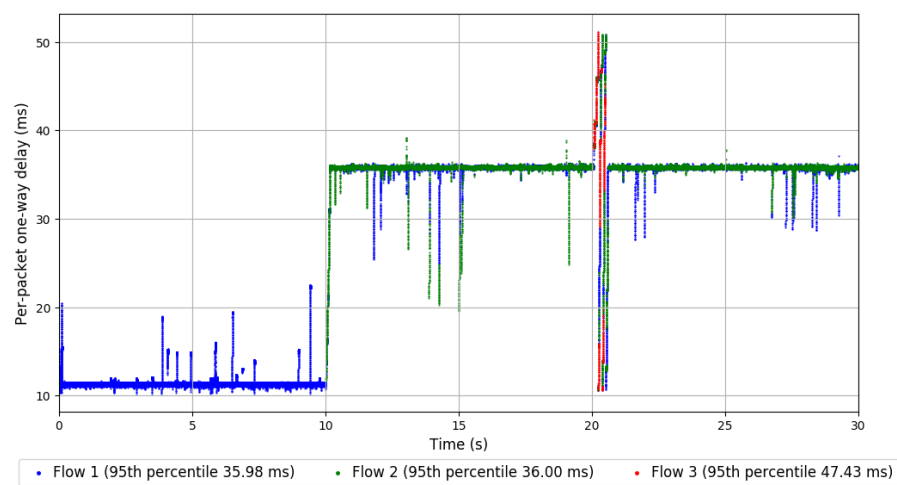
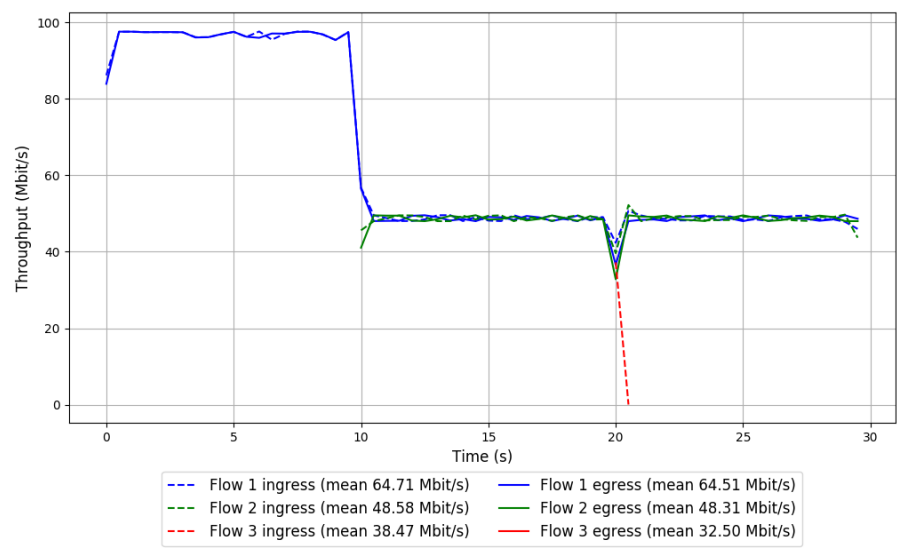
-- Flow 3:

Average throughput: 32.50 Mbit/s

95th percentile per-packet one-way delay: 47.426 ms

Loss rate: 24.47%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Tue, 01 Aug 2017 00:13:14 +0000

End at: Tue, 01 Aug 2017 00:13:44 +0000

Local clock offset: 3.654 ms

Remote clock offset: -4.049 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:28:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 31.433 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 31.426 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 48.54 Mbit/s

95th percentile per-packet one-way delay: 31.440 ms

Loss rate: 0.23%

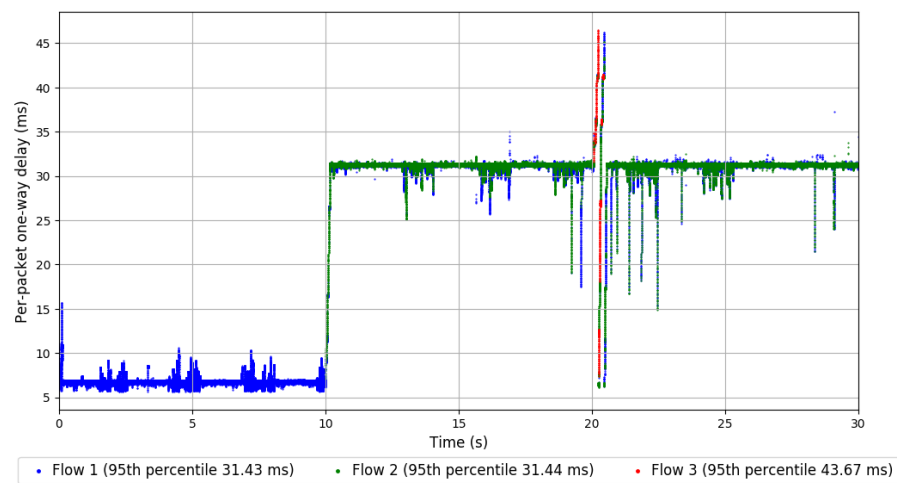
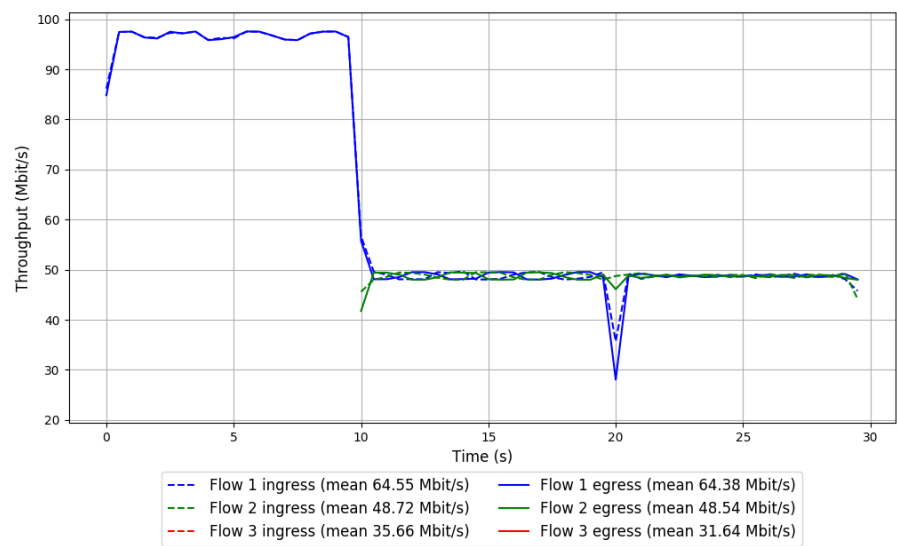
-- Flow 3:

Average throughput: 31.64 Mbit/s

95th percentile per-packet one-way delay: 43.668 ms

Loss rate: 21.85%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Tue, 01 Aug 2017 00:47:00 +0000

End at: Tue, 01 Aug 2017 00:47:30 +0000

Local clock offset: 1.812 ms

Remote clock offset: -3.534 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:28:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.77 Mbit/s

95th percentile per-packet one-way delay: 33.512 ms

Loss rate: 0.95%

-- Flow 1:

Average throughput: 61.76 Mbit/s

95th percentile per-packet one-way delay: 33.503 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 48.09 Mbit/s

95th percentile per-packet one-way delay: 33.520 ms

Loss rate: 0.93%

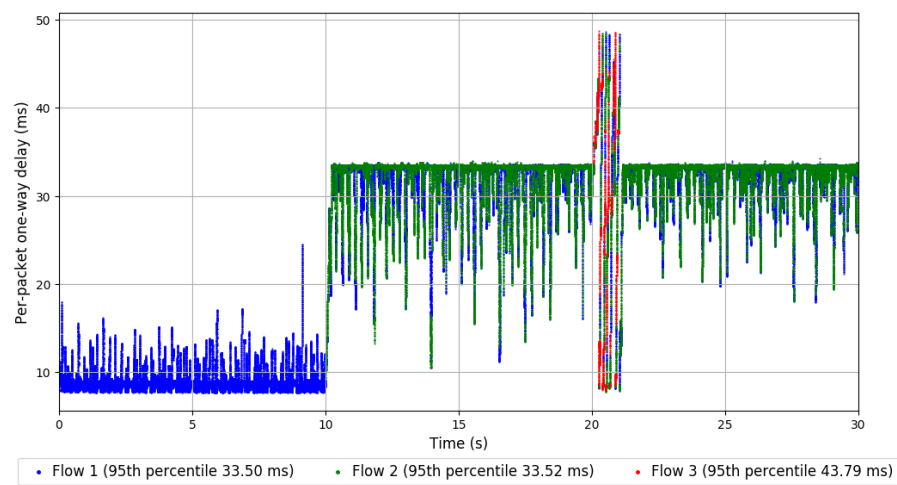
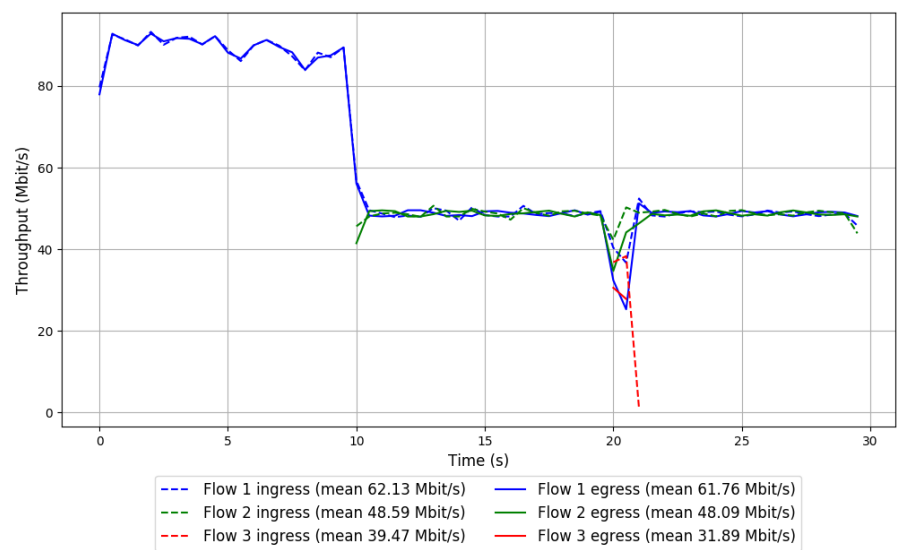
-- Flow 3:

Average throughput: 31.89 Mbit/s

95th percentile per-packet one-way delay: 43.793 ms

Loss rate: 23.34%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Tue, 01 Aug 2017 01:21:26 +0000

End at: Tue, 01 Aug 2017 01:21:56 +0000

Local clock offset: 0.326 ms

Remote clock offset: -4.434 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.98 Mbit/s

95th percentile per-packet one-way delay: 34.136 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 64.23 Mbit/s

95th percentile per-packet one-way delay: 34.127 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 48.56 Mbit/s

95th percentile per-packet one-way delay: 34.143 ms

Loss rate: 0.86%

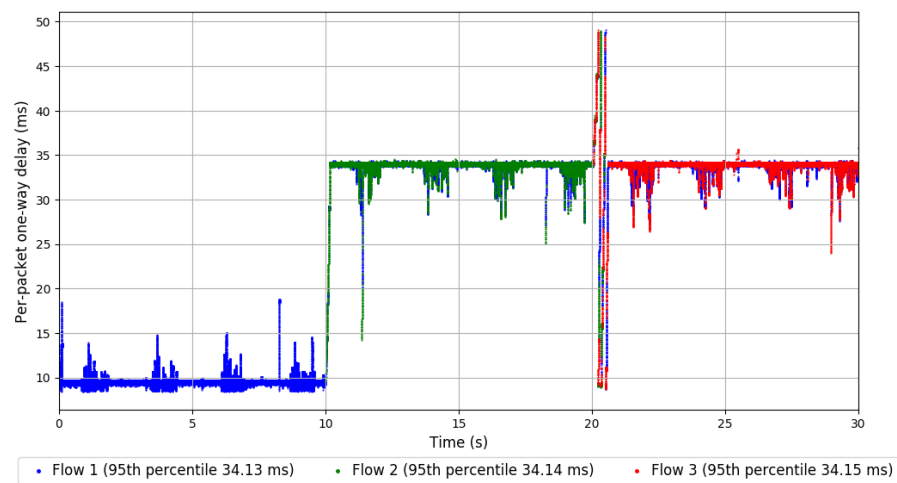
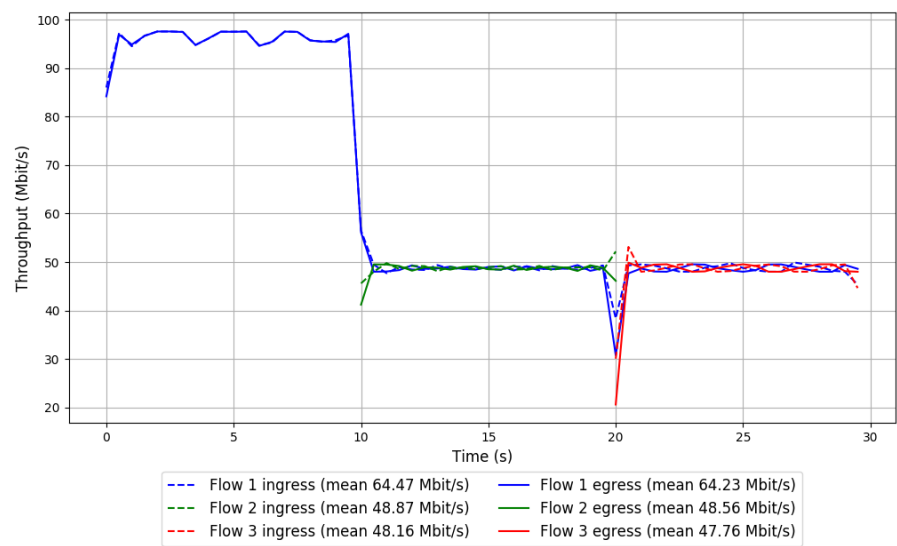
-- Flow 3:

Average throughput: 47.76 Mbit/s

95th percentile per-packet one-way delay: 34.148 ms

Loss rate: 0.85%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Tue, 01 Aug 2017 01:51:48 +0000

End at: Tue, 01 Aug 2017 01:52:18 +0000

Local clock offset: 2.522 ms

Remote clock offset: -4.077 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.86 Mbit/s

95th percentile per-packet one-way delay: 31.370 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 61.03 Mbit/s

95th percentile per-packet one-way delay: 31.361 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 48.37 Mbit/s

95th percentile per-packet one-way delay: 31.378 ms

Loss rate: 0.36%

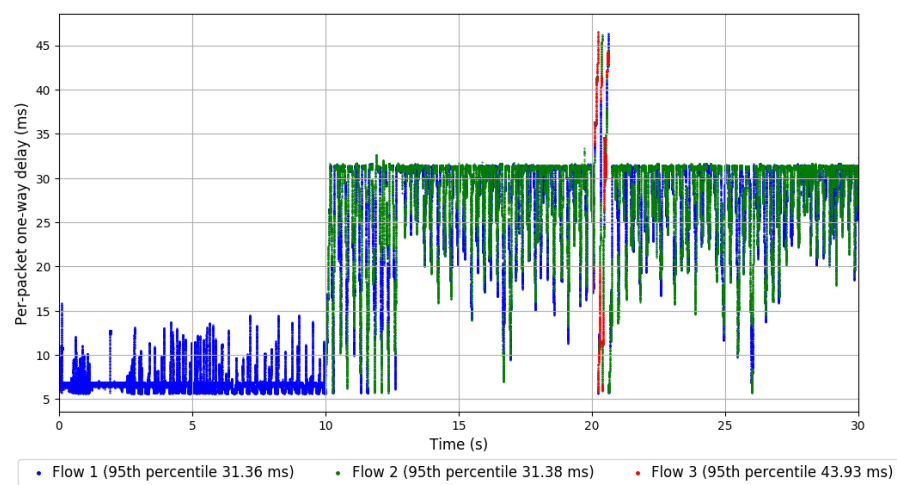
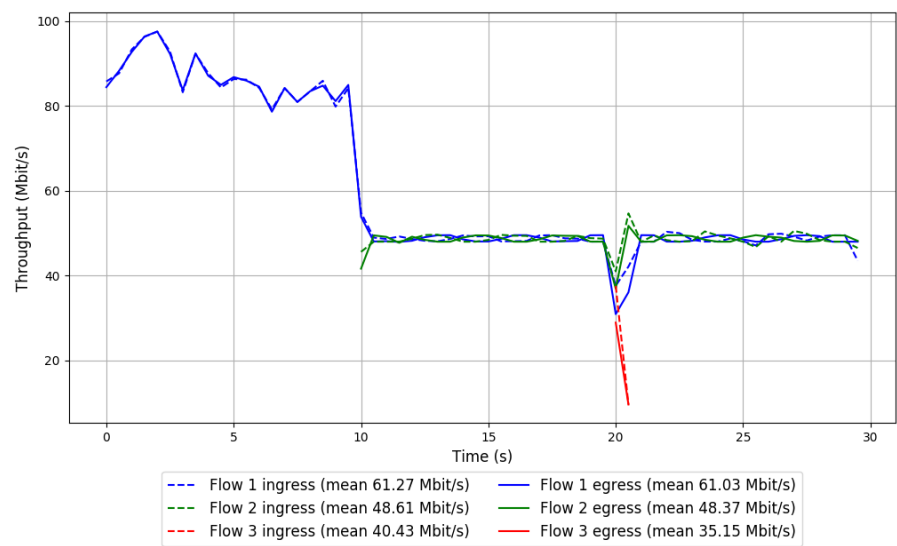
-- Flow 3:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 43.933 ms

Loss rate: 18.36%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Tue, 01 Aug 2017 02:26:42 +0000

End at: Tue, 01 Aug 2017 02:27:12 +0000

Local clock offset: -0.791 ms

Remote clock offset: -3.857 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.75 Mbit/s

95th percentile per-packet one-way delay: 34.124 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 64.17 Mbit/s

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

Loss rate: 0.29%

-- Flow 2:

Average throughput: 48.24 Mbit/s

95th percentile per-packet one-way delay: 34.133 ms

Loss rate: 0.64%

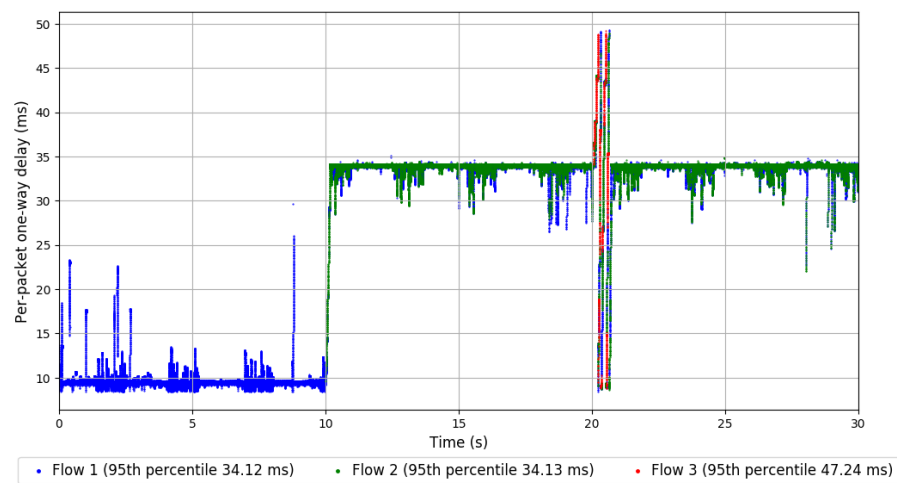
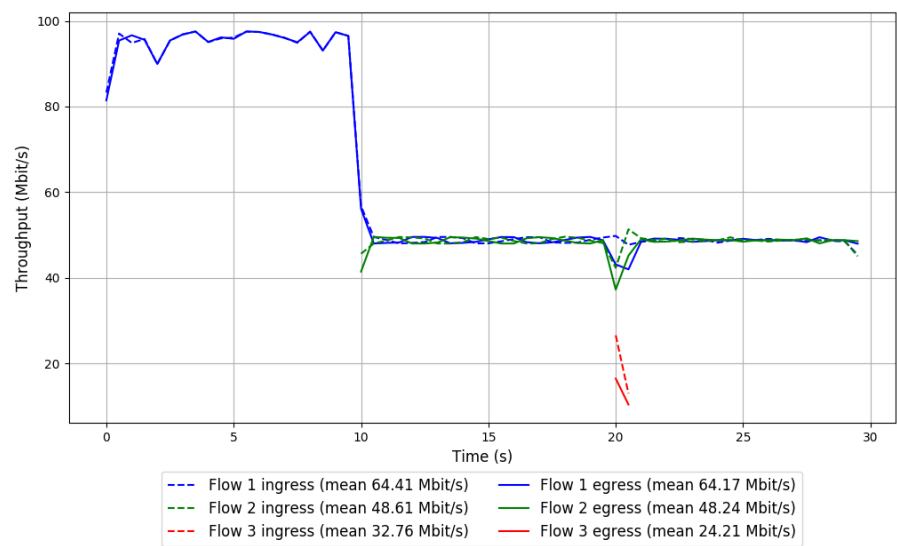
-- Flow 3:

Average throughput: 24.21 Mbit/s

95th percentile per-packet one-way delay: 47.244 ms

Loss rate: 32.14%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Tue, 01 Aug 2017 03:32:44 +0000

End at: Tue, 01 Aug 2017 03:33:14 +0000

Local clock offset: -1.581 ms

Remote clock offset: -4.839 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.54 Mbit/s

95th percentile per-packet one-way delay: 34.649 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 64.08 Mbit/s

95th percentile per-packet one-way delay: 34.643 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 48.38 Mbit/s

95th percentile per-packet one-way delay: 34.656 ms

Loss rate: 0.35%

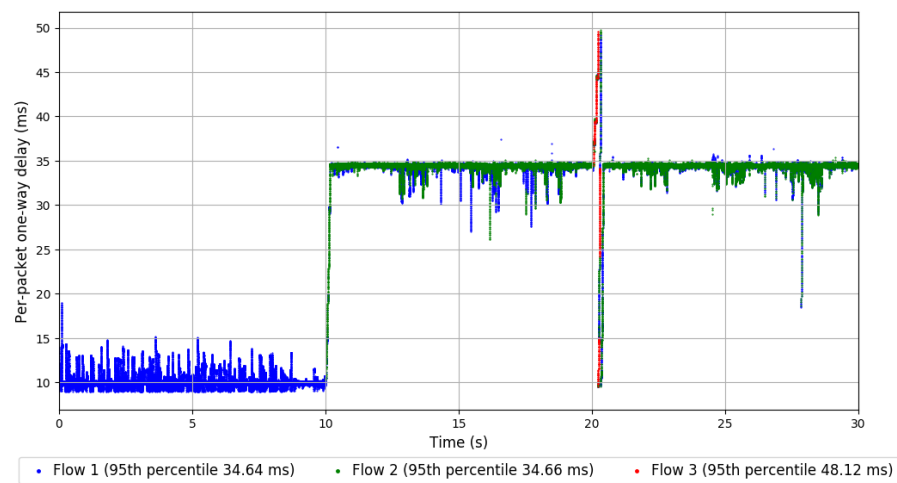
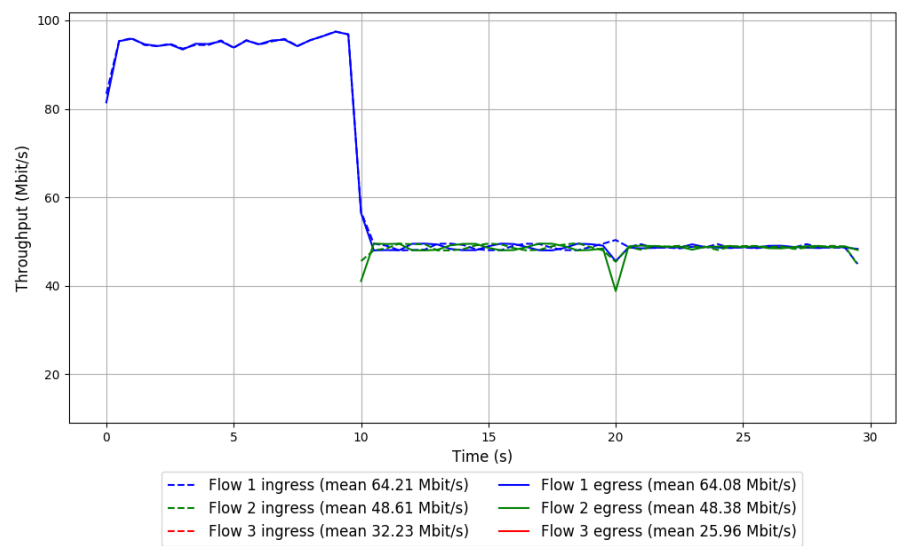
-- Flow 3:

Average throughput: 25.96 Mbit/s

95th percentile per-packet one-way delay: 48.118 ms

Loss rate: 33.50%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Tue, 01 Aug 2017 04:06:07 +0000

End at: Tue, 01 Aug 2017 04:06:37 +0000

Local clock offset: 2.524 ms

Remote clock offset: -3.572 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.55 Mbit/s

95th percentile per-packet one-way delay: 32.241 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 64.06 Mbit/s

95th percentile per-packet one-way delay: 32.237 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 48.43 Mbit/s

95th percentile per-packet one-way delay: 32.246 ms

Loss rate: 0.33%

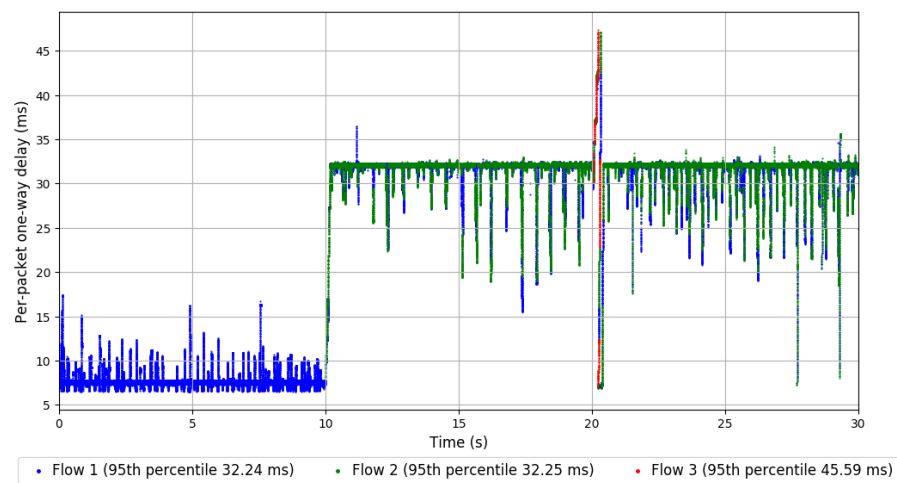
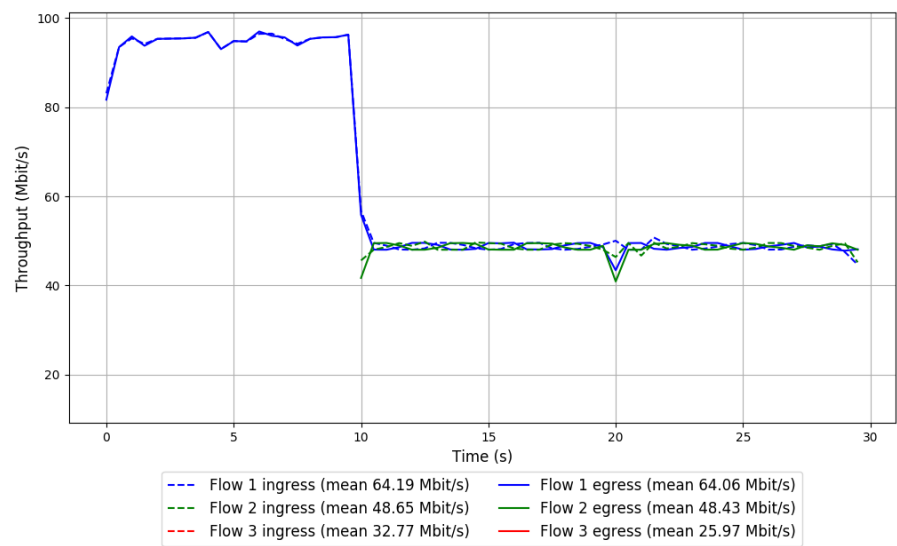
-- Flow 3:

Average throughput: 25.97 Mbit/s

95th percentile per-packet one-way delay: 45.586 ms

Loss rate: 33.17%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Tue, 01 Aug 2017 04:24:44 +0000

End at: Tue, 01 Aug 2017 04:25:14 +0000

Local clock offset: 2.173 ms

Remote clock offset: -2.787 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.10 Mbit/s

95th percentile per-packet one-way delay: 33.596 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 64.52 Mbit/s

95th percentile per-packet one-way delay: 33.589 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 48.62 Mbit/s

95th percentile per-packet one-way delay: 33.606 ms

Loss rate: 0.22%

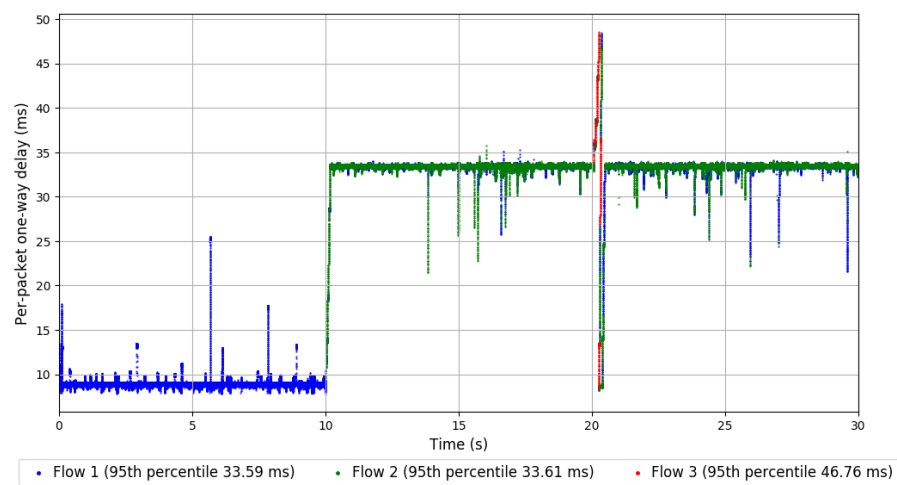
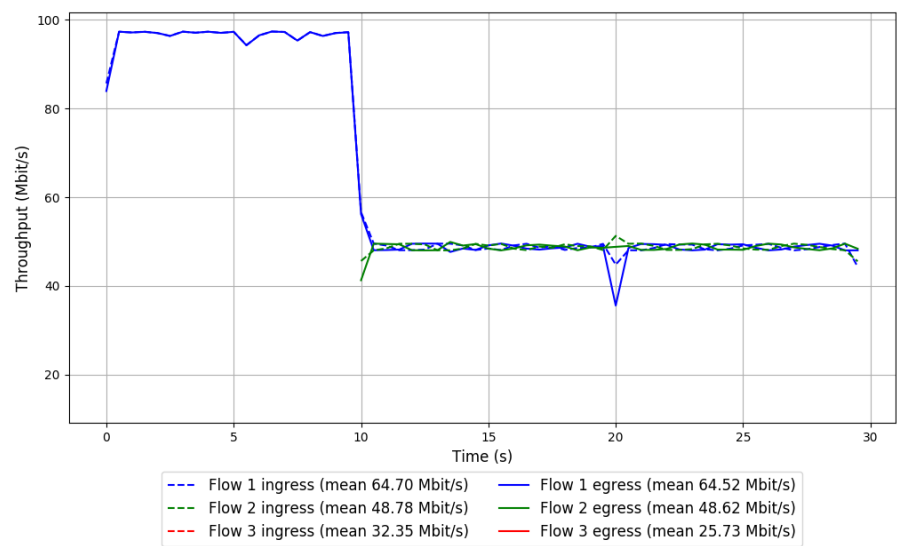
-- Flow 3:

Average throughput: 25.73 Mbit/s

95th percentile per-packet one-way delay: 46.756 ms

Loss rate: 33.33%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Mon, 31 Jul 2017 23:52:18 +0000

End at: Mon, 31 Jul 2017 23:52:48 +0000

Local clock offset: 3.293 ms

Remote clock offset: -4.178 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 6.367 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 6.374 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 6.366 ms

Loss rate: 0.00%

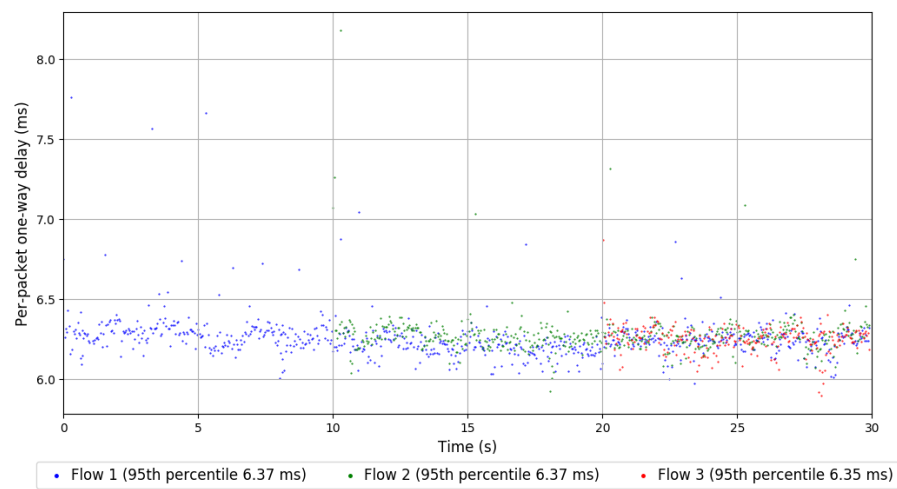
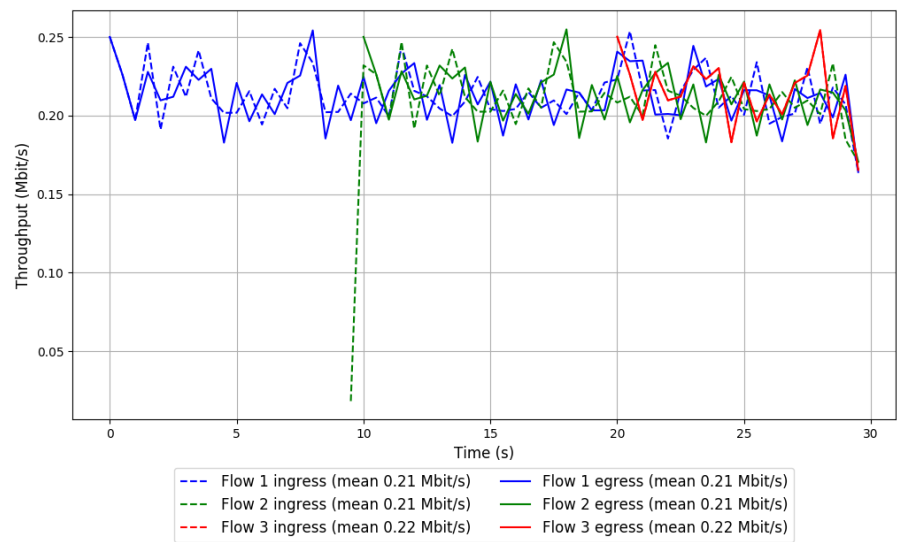
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 6.348 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

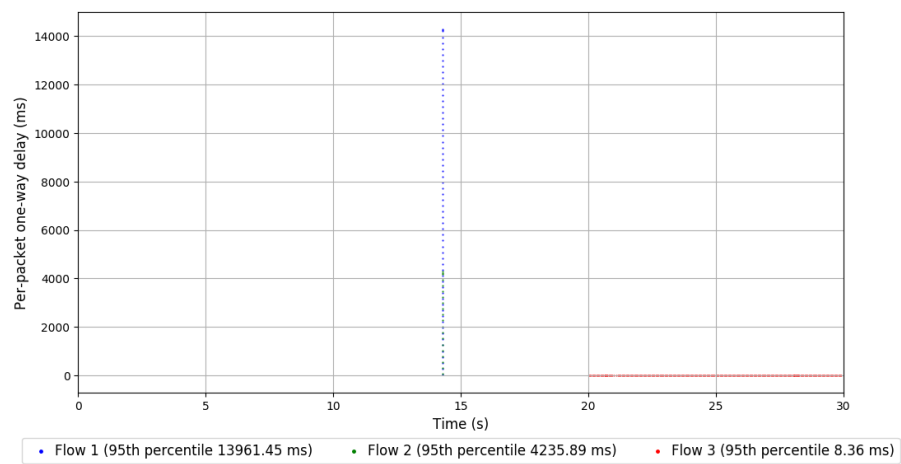
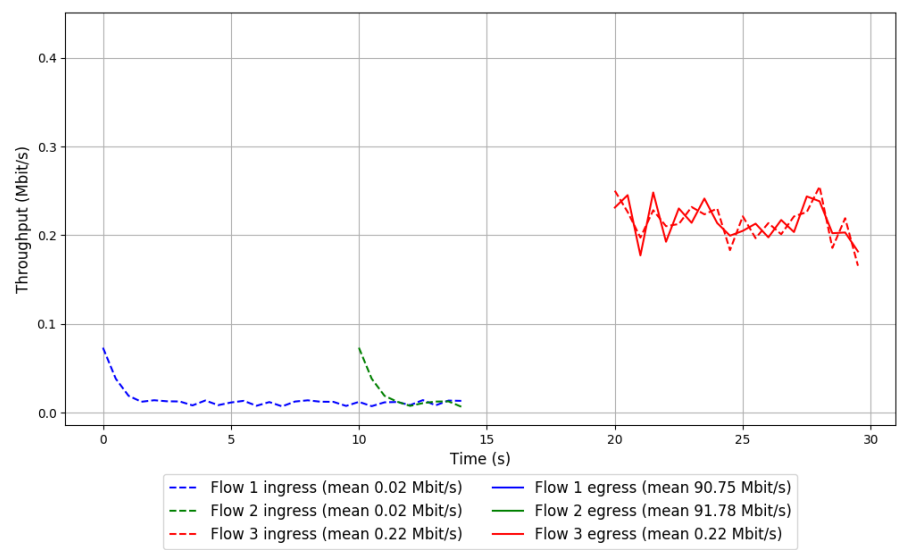
Start at: Tue, 01 Aug 2017 00:10:55 +0000

End at: Tue, 01 Aug 2017 00:11:25 +0000

Local clock offset: 1.774 ms

Remote clock offset: -3.596 ms

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: Tue, 01 Aug 2017 00:42:19 +0000

End at: Tue, 01 Aug 2017 00:42:49 +0000

Local clock offset: 2.38 ms

Remote clock offset: -4.094 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 6.999 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 7.007 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 6.981 ms

Loss rate: 0.00%

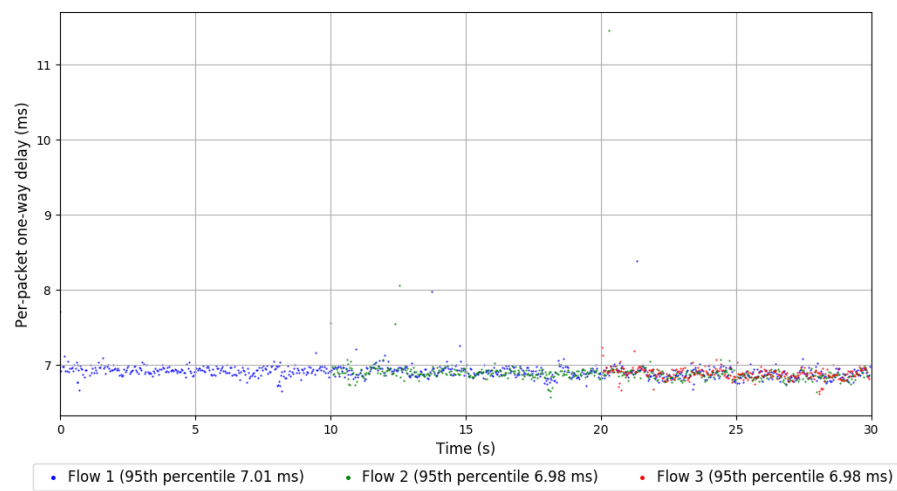
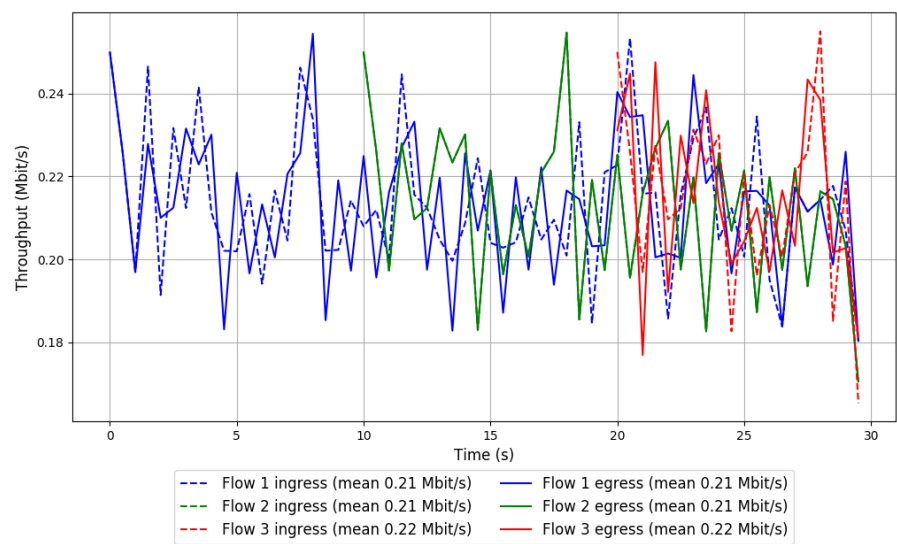
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 6.984 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Tue, 01 Aug 2017 01:19:03 +0000

End at: Tue, 01 Aug 2017 01:19:33 +0000

Local clock offset: 2.781 ms

Remote clock offset: -4.311 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 6.389 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 6.398 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 6.369 ms

Loss rate: 0.00%

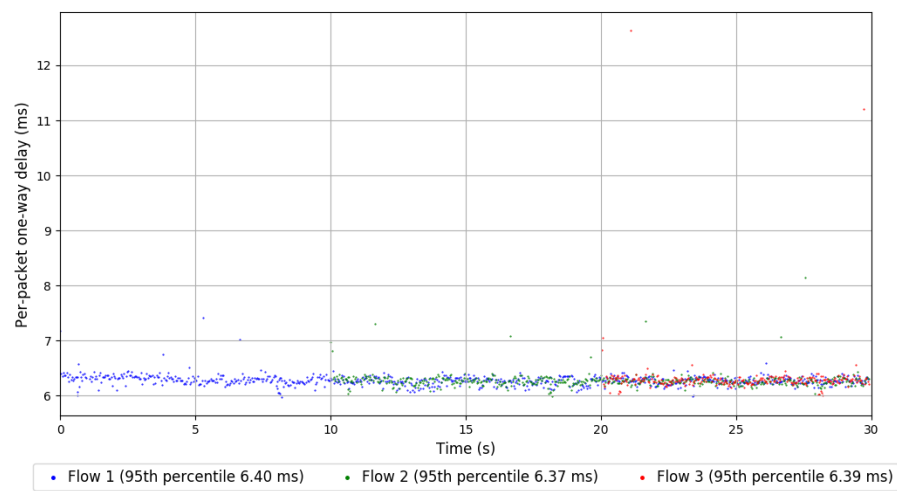
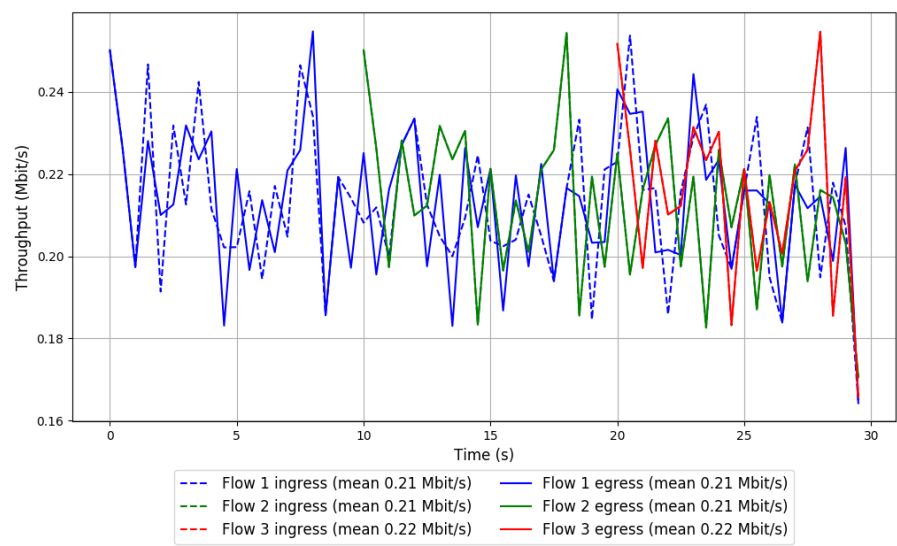
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 6.389 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 01 Aug 2017 01:48:50 +0000

End at: Tue, 01 Aug 2017 01:49:20 +0000

Local clock offset: 2.393 ms

Remote clock offset: -4.975 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 5.274 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 5.304 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 5.182 ms

Loss rate: 0.00%

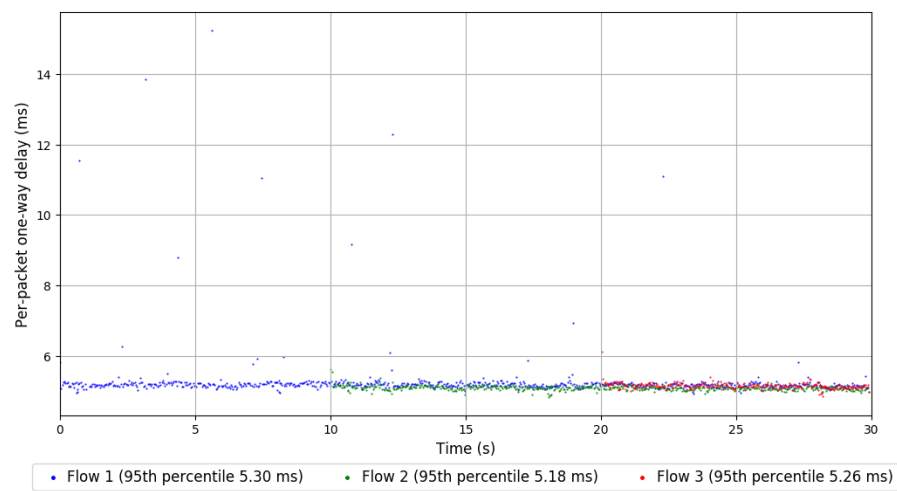
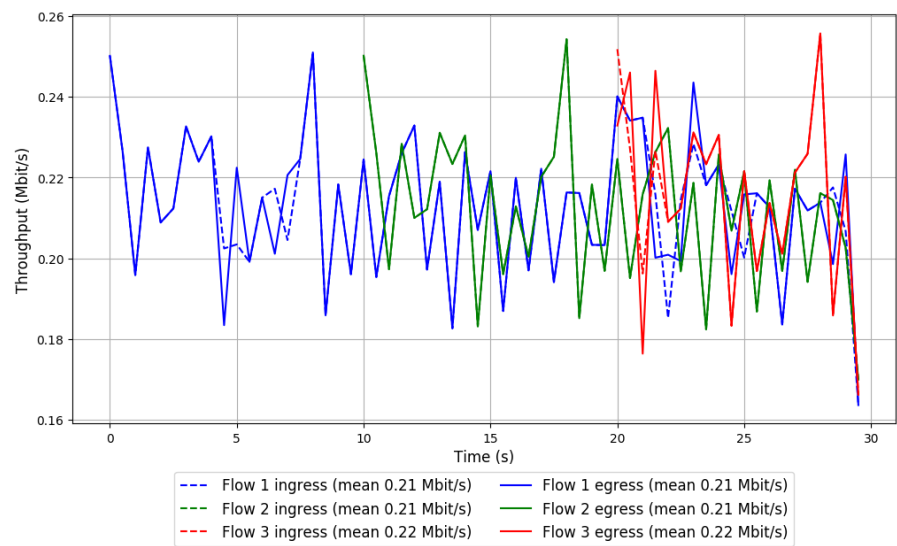
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 5.262 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SReAM

Start at: Tue, 01 Aug 2017 02:24:15 +0000

End at: Tue, 01 Aug 2017 02:24:45 +0000

Local clock offset: -0.504 ms

Remote clock offset: -3.428 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 8.810 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 8.794 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 8.814 ms

Loss rate: 0.00%

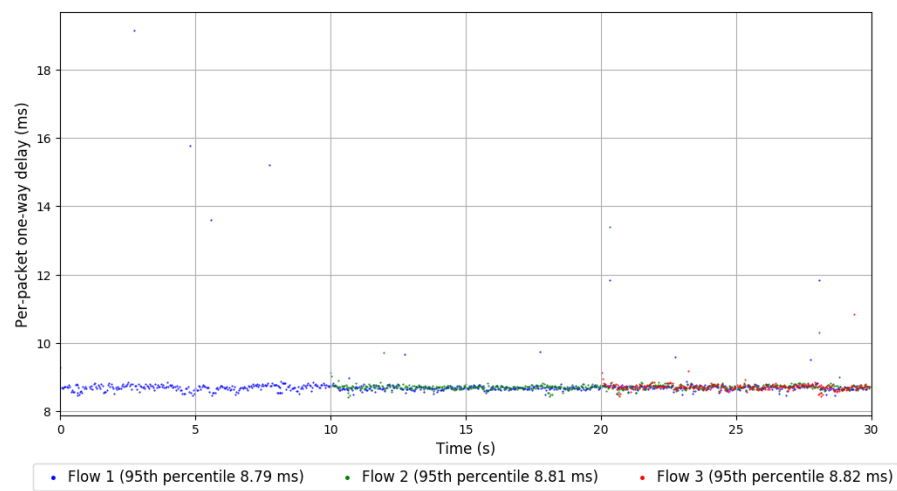
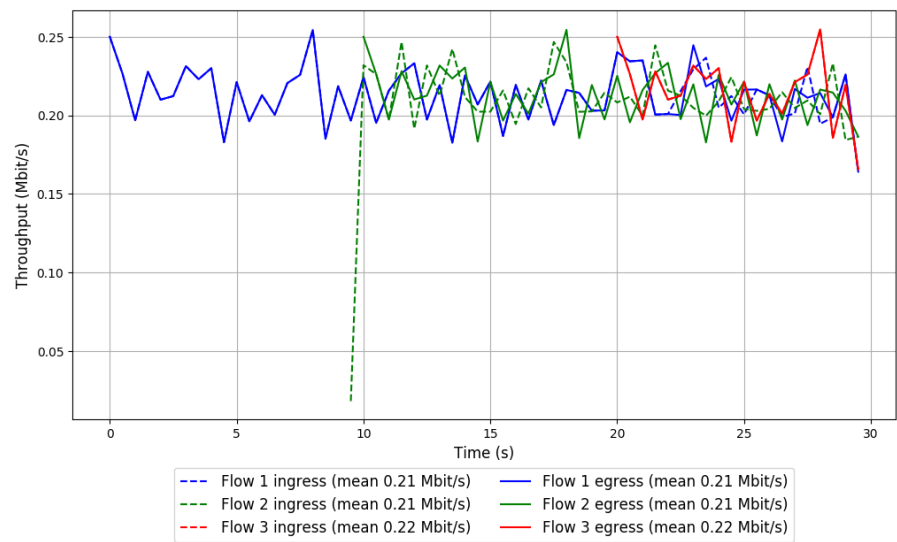
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 8.819 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SReAM

Start at: Tue, 01 Aug 2017 03:26:24 +0000

End at: Tue, 01 Aug 2017 03:26:54 +0000

Local clock offset: -0.454 ms

Remote clock offset: -4.964 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 8.029 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 8.047 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 7.983 ms

Loss rate: 0.00%

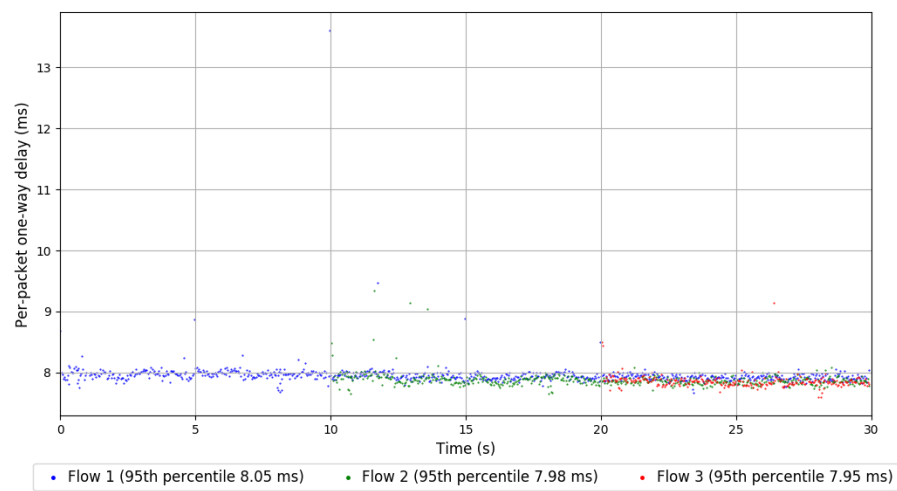
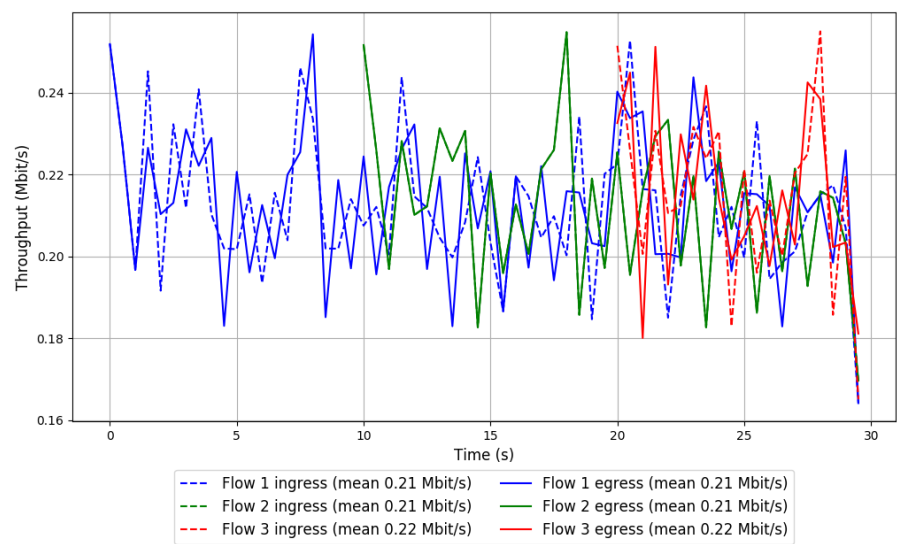
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 7.950 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Tue, 01 Aug 2017 04:03:15 +0000

End at: Tue, 01 Aug 2017 04:03:45 +0000

Local clock offset: 1.777 ms

Remote clock offset: -3.503 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 7.556 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 7.565 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 7.544 ms

Loss rate: 0.00%

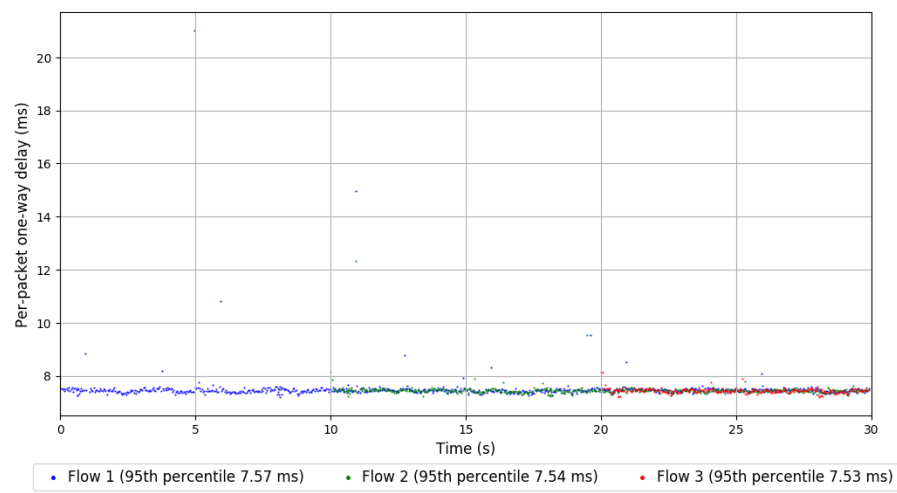
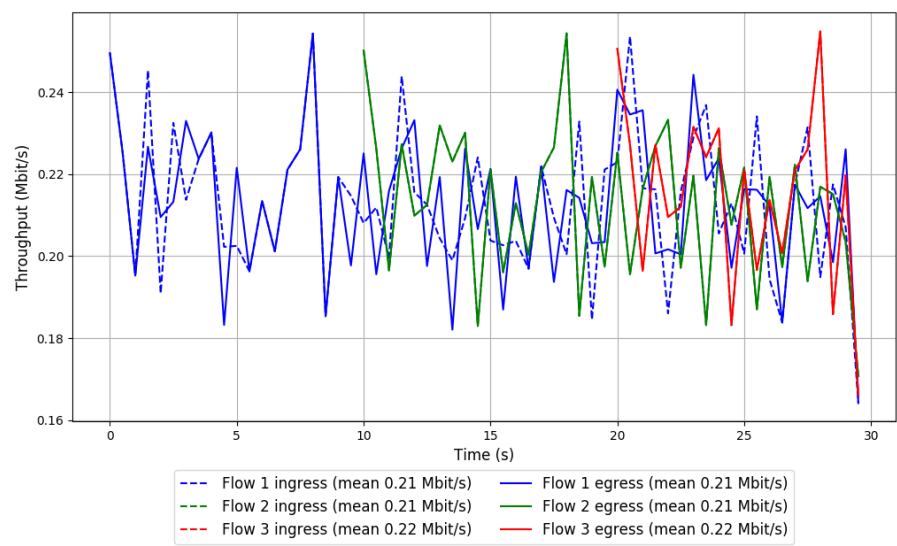
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 7.534 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Tue, 01 Aug 2017 04:22:28 +0000

End at: Tue, 01 Aug 2017 04:22:58 +0000

Local clock offset: 2.587 ms

Remote clock offset: -1.642 ms

Run 9: Report of SReAM — Data Link

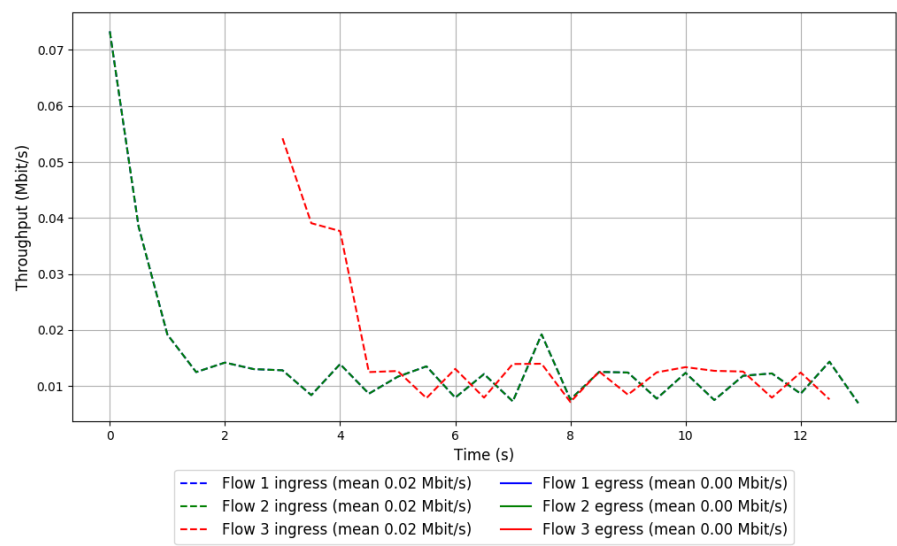


Figure is missing

Run 10: Statistics of SReAM

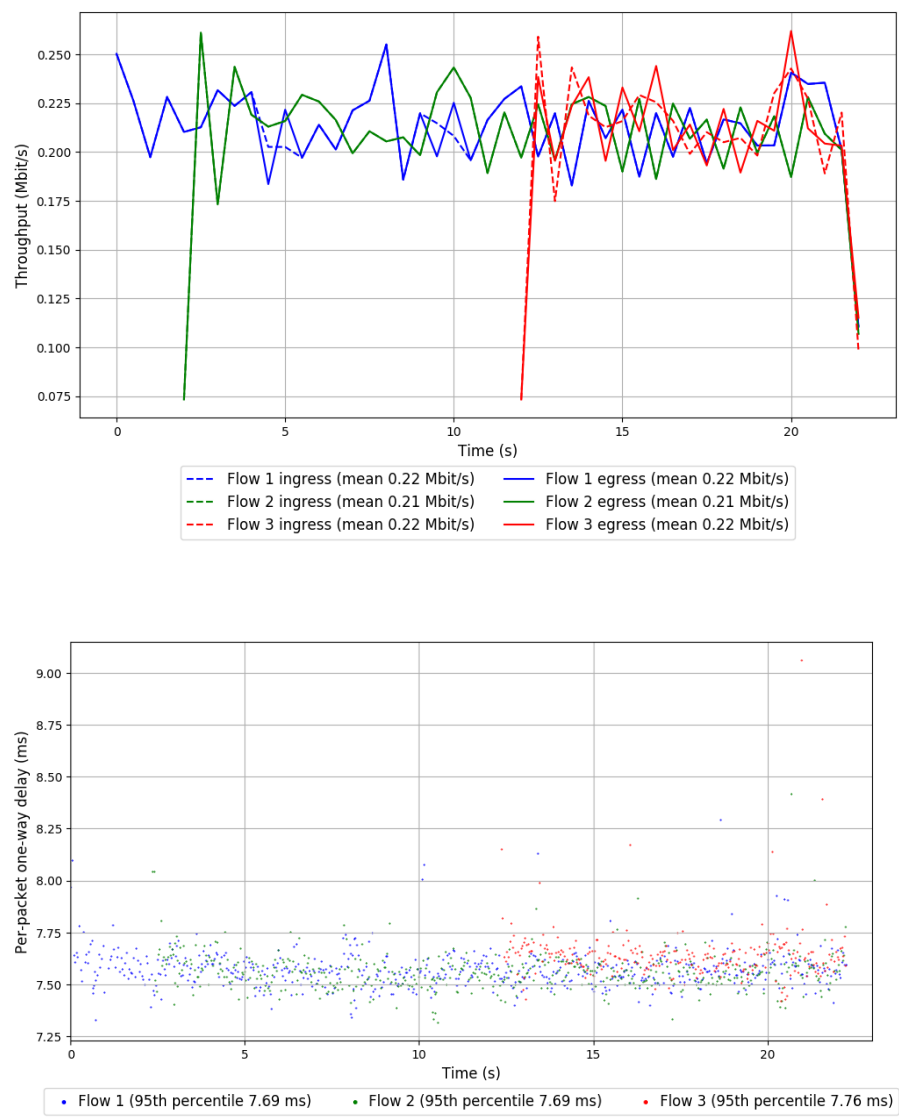
Start at: Tue, 01 Aug 2017 04:41:55 +0000

End at: Tue, 01 Aug 2017 04:42:25 +0000

Local clock offset: 2.591 ms

Remote clock offset: -3.014 ms

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Mon, 31 Jul 2017 23:53:23 +0000

End at: Mon, 31 Jul 2017 23:53:53 +0000

Local clock offset: 4.543 ms

Remote clock offset: -4.206 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.15 Mbit/s

95th percentile per-packet one-way delay: 14.378 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.64 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.72 Mbit/s

95th percentile per-packet one-way delay: 13.949 ms

Loss rate: 0.00%

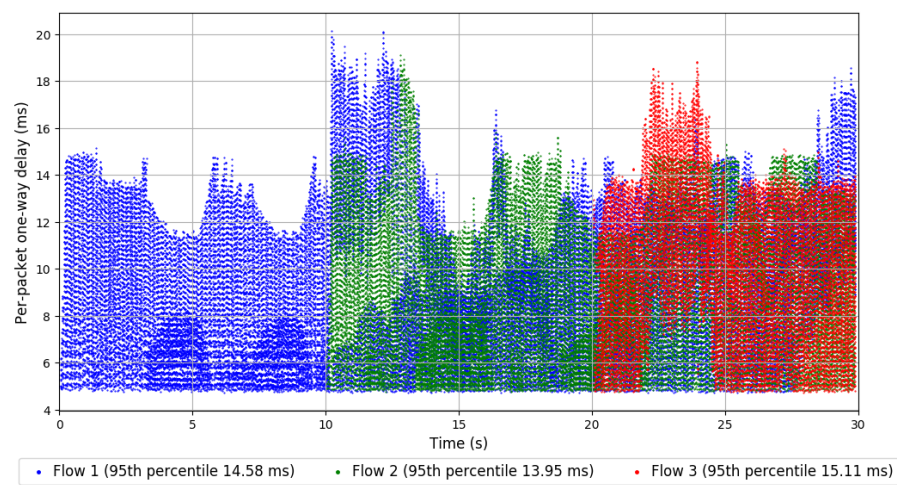
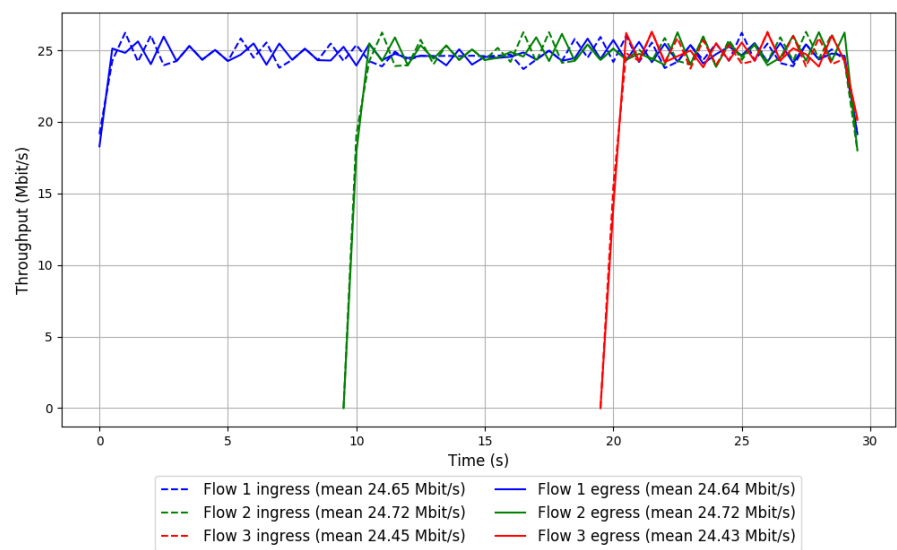
-- Flow 3:

Average throughput: 24.43 Mbit/s

95th percentile per-packet one-way delay: 15.106 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Tue, 01 Aug 2017 00:12:00 +0000

End at: Tue, 01 Aug 2017 00:12:30 +0000

Local clock offset: 1.088 ms

Remote clock offset: -3.535 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.90 Mbit/s

95th percentile per-packet one-way delay: 18.938 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.61 Mbit/s

95th percentile per-packet one-way delay: 18.837 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.54 Mbit/s

95th percentile per-packet one-way delay: 18.432 ms

Loss rate: 0.00%

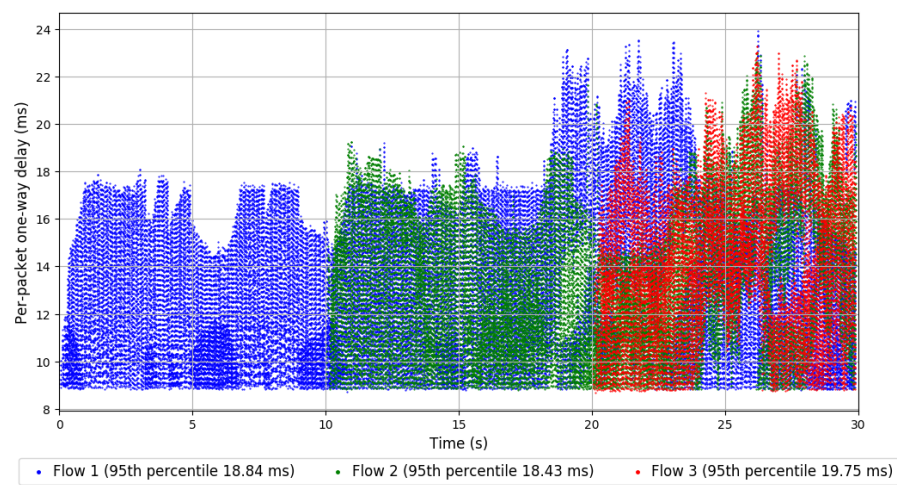
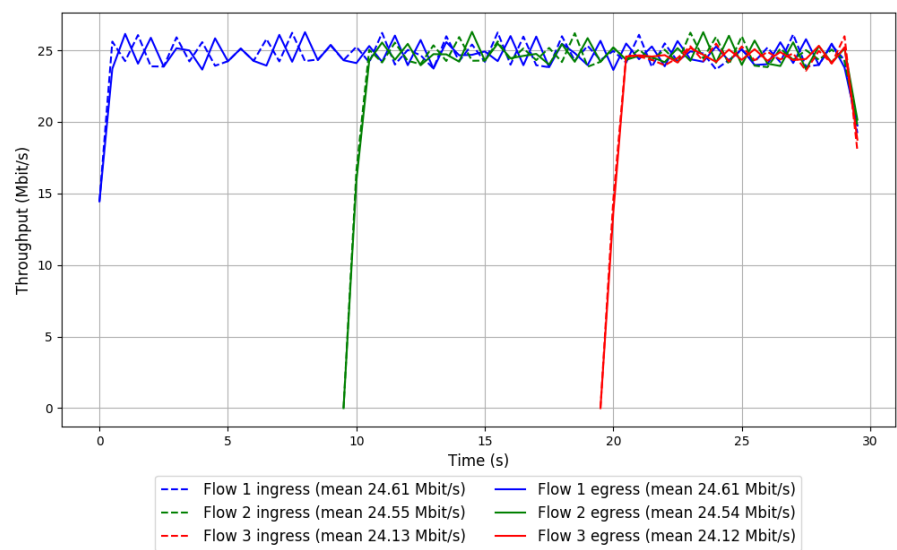
-- Flow 3:

Average throughput: 24.12 Mbit/s

95th percentile per-packet one-way delay: 19.746 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Tue, 01 Aug 2017 00:43:33 +0000

End at: Tue, 01 Aug 2017 00:44:03 +0000

Local clock offset: 3.671 ms

Remote clock offset: -4.413 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:29:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.71 Mbit/s

95th percentile per-packet one-way delay: 13.879 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: 12.993 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 24.44 Mbit/s

95th percentile per-packet one-way delay: 13.601 ms

Loss rate: 0.00%

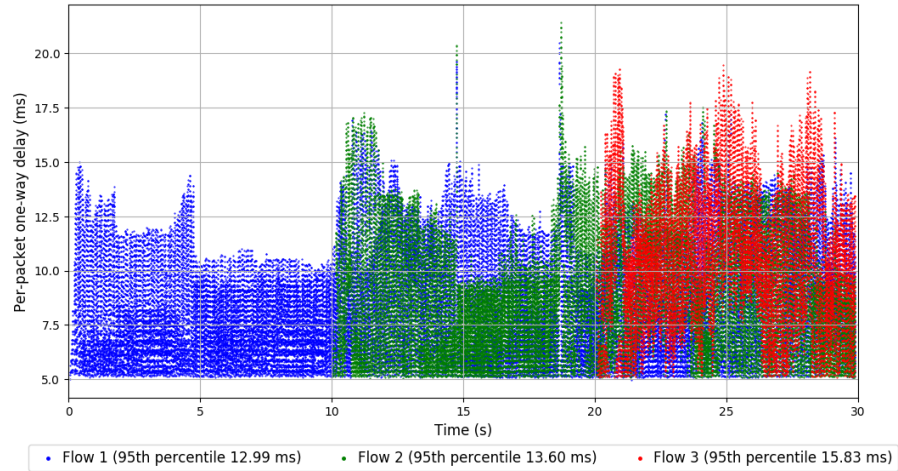
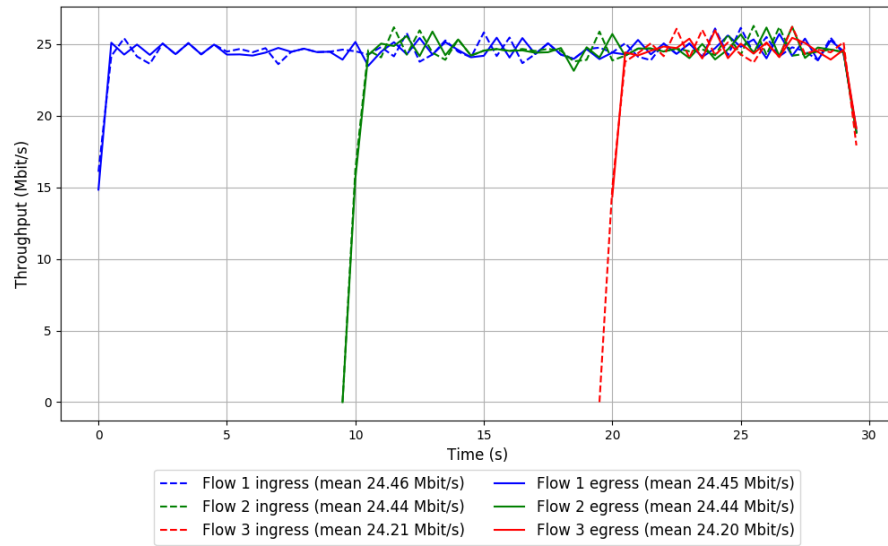
-- Flow 3:

Average throughput: 24.20 Mbit/s

95th percentile per-packet one-way delay: 15.833 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Tue, 01 Aug 2017 01:20:09 +0000

End at: Tue, 01 Aug 2017 01:20:39 +0000

Local clock offset: -0.364 ms

Remote clock offset: -4.435 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:30:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.92 Mbit/s

95th percentile per-packet one-way delay: 17.545 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.73 Mbit/s

95th percentile per-packet one-way delay: 17.353 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: 18.134 ms

Loss rate: 0.00%

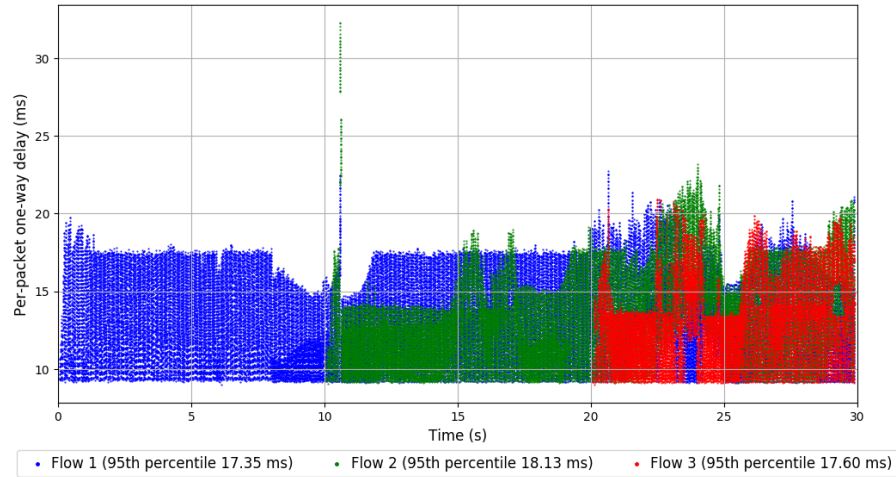
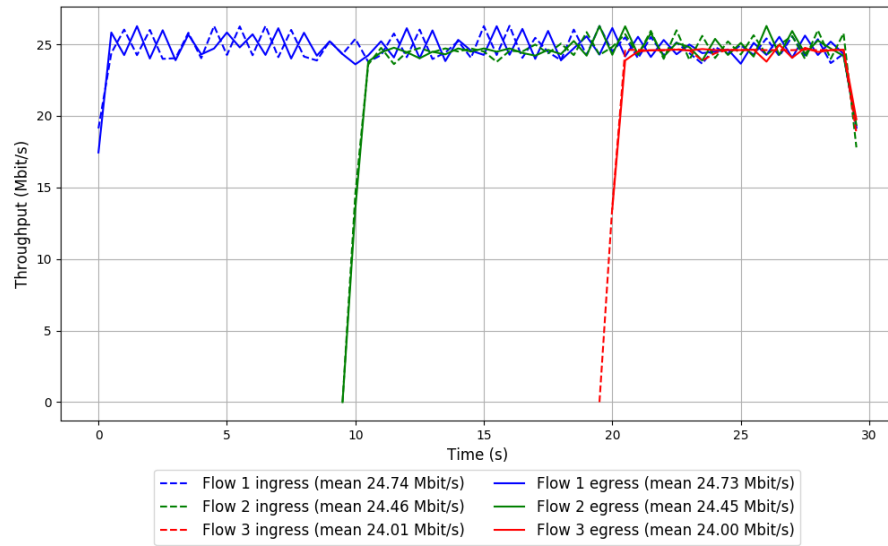
-- Flow 3:

Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 17.597 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Tue, 01 Aug 2017 01:50:13 +0000

End at: Tue, 01 Aug 2017 01:50:43 +0000

Local clock offset: 1.027 ms

Remote clock offset: -6.954 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:30:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.61 Mbit/s

95th percentile per-packet one-way delay: 12.531 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.37 Mbit/s

95th percentile per-packet one-way delay: 12.216 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 12.073 ms

Loss rate: 0.00%

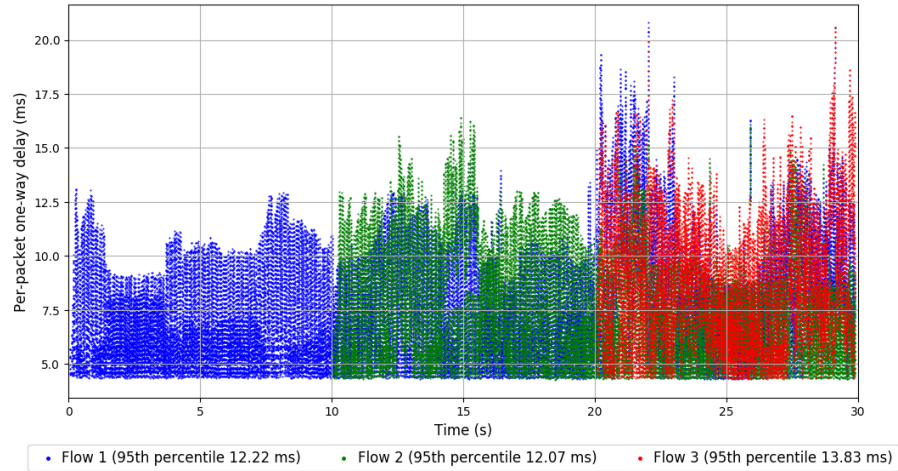
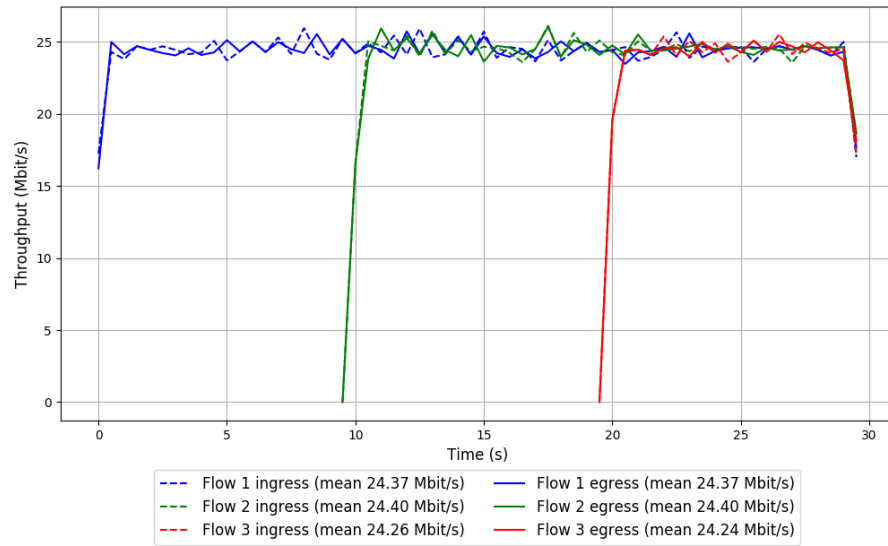
-- Flow 3:

Average throughput: 24.24 Mbit/s

95th percentile per-packet one-way delay: 13.833 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Tue, 01 Aug 2017 02:25:21 +0000

End at: Tue, 01 Aug 2017 02:25:51 +0000

Local clock offset: -2.049 ms

Remote clock offset: -2.273 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:30:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.88 Mbit/s

95th percentile per-packet one-way delay: 21.057 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.69 Mbit/s

95th percentile per-packet one-way delay: 21.349 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.47 Mbit/s

95th percentile per-packet one-way delay: 20.833 ms

Loss rate: 0.00%

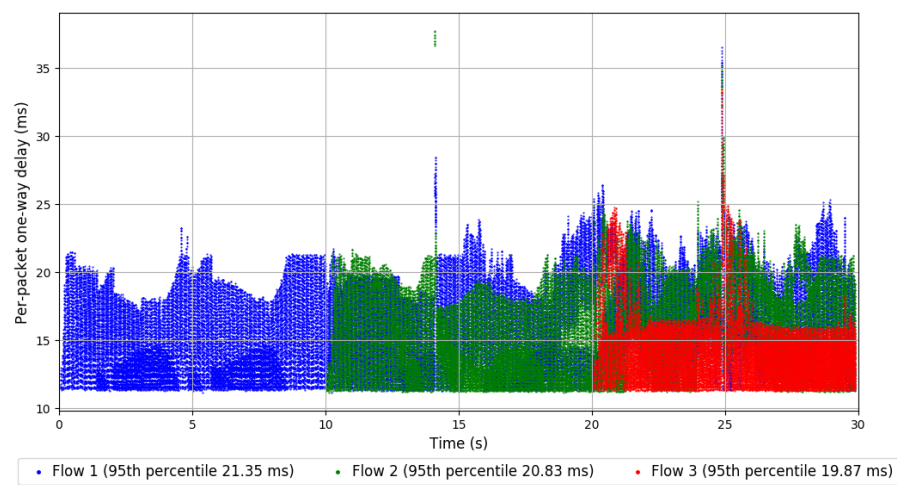
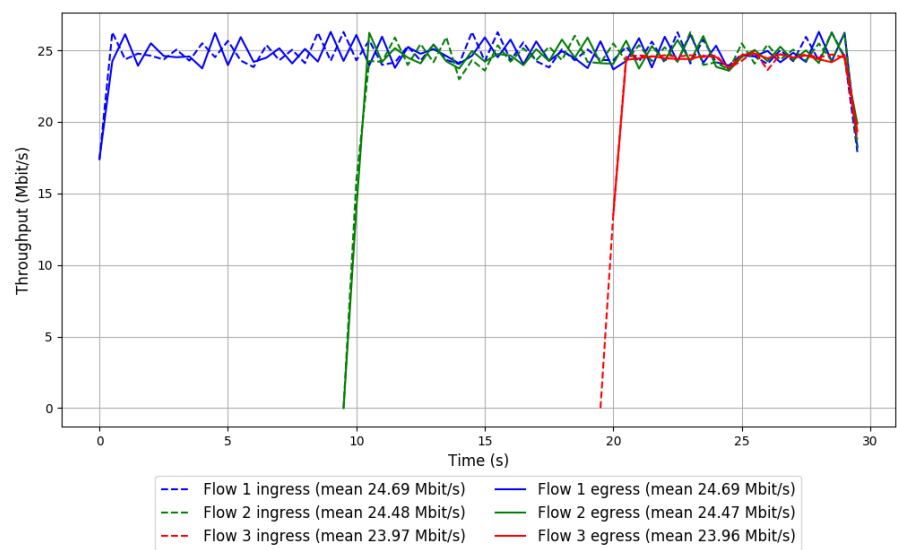
-- Flow 3:

Average throughput: 23.96 Mbit/s

95th percentile per-packet one-way delay: 19.874 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Tue, 01 Aug 2017 03:28:25 +0000

End at: Tue, 01 Aug 2017 03:28:55 +0000

Local clock offset: 2.131 ms

Remote clock offset: -4.653 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:30:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.17 Mbit/s

95th percentile per-packet one-way delay: 15.545 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 23.69 Mbit/s

95th percentile per-packet one-way delay: 15.278 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.64 Mbit/s

95th percentile per-packet one-way delay: 15.466 ms

Loss rate: 0.00%

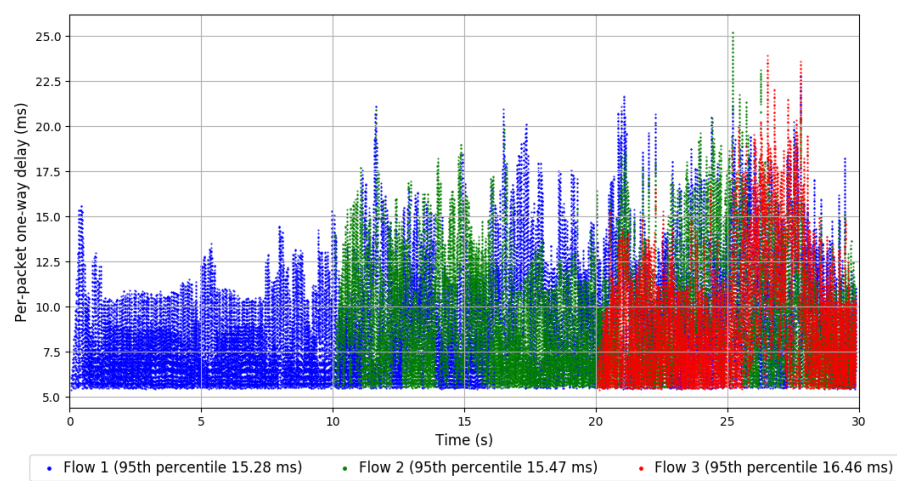
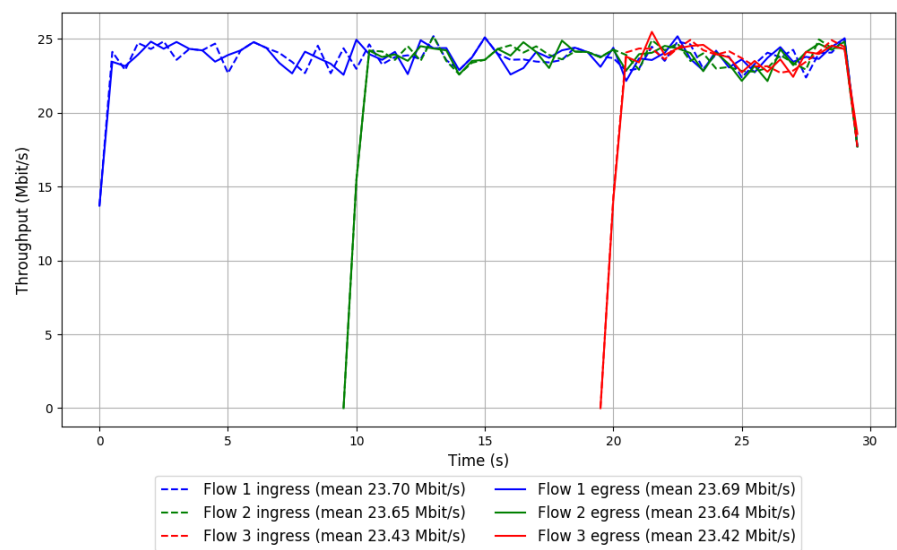
-- Flow 3:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: 16.458 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Tue, 01 Aug 2017 04:04:21 +0000

End at: Tue, 01 Aug 2017 04:04:51 +0000

Local clock offset: 2.036 ms

Remote clock offset: -3.407 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:30:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.86 Mbit/s

95th percentile per-packet one-way delay: 16.123 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.54 Mbit/s

95th percentile per-packet one-way delay: 15.781 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.37 Mbit/s

95th percentile per-packet one-way delay: 16.588 ms

Loss rate: 0.00%

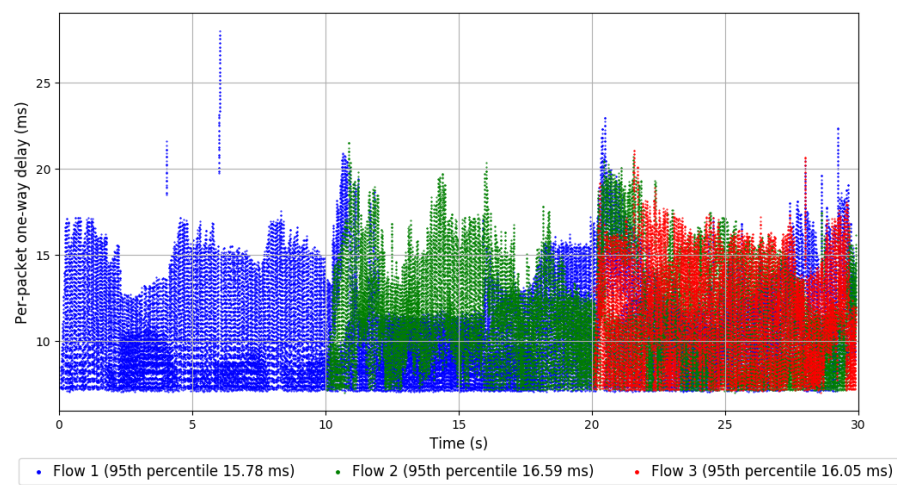
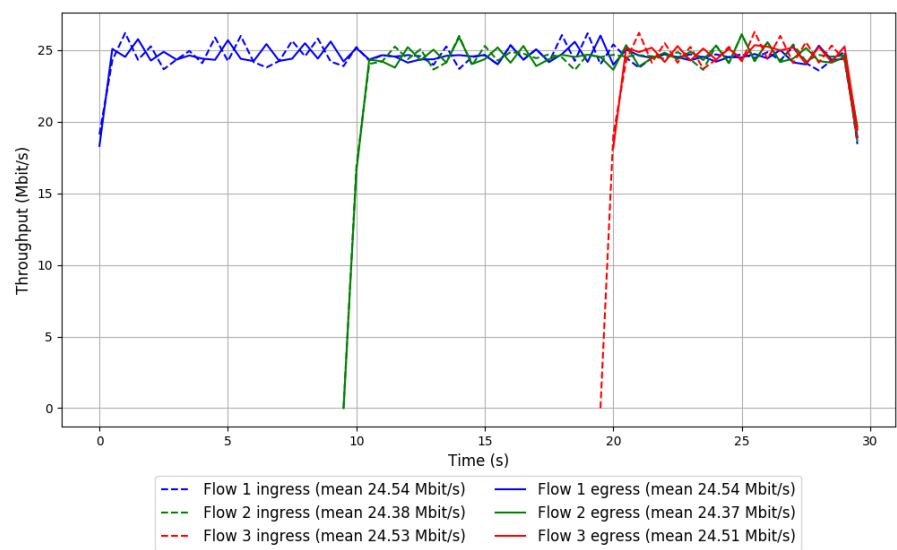
-- Flow 3:

Average throughput: 24.51 Mbit/s

95th percentile per-packet one-way delay: 16.046 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Tue, 01 Aug 2017 04:23:34 +0000

End at: Tue, 01 Aug 2017 04:24:04 +0000

Local clock offset: 1.696 ms

Remote clock offset: -3.706 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:30:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.99 Mbit/s

95th percentile per-packet one-way delay: 17.398 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.72 Mbit/s

95th percentile per-packet one-way delay: 17.323 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.54 Mbit/s

95th percentile per-packet one-way delay: 17.792 ms

Loss rate: 0.00%

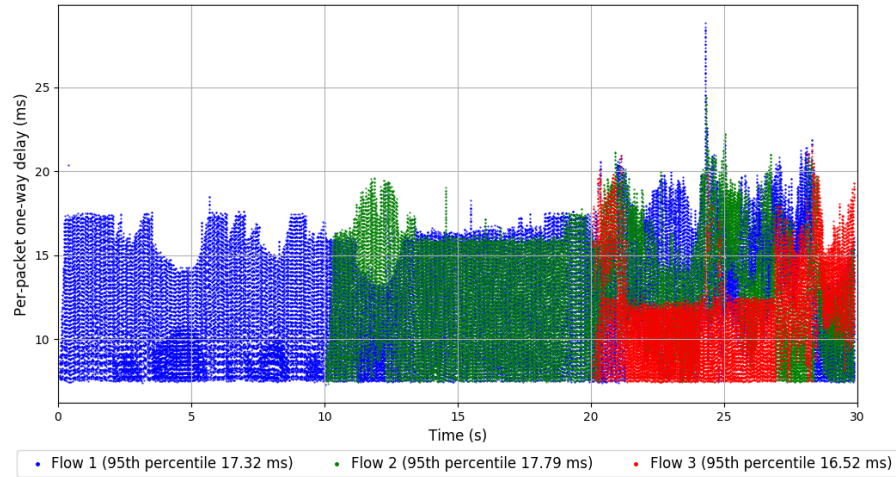
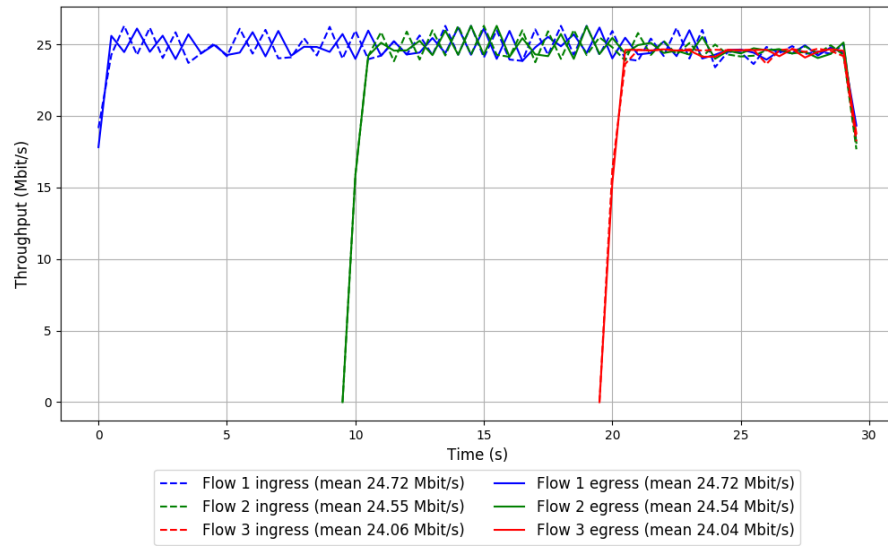
-- Flow 3:

Average throughput: 24.04 Mbit/s

95th percentile per-packet one-way delay: 16.519 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Tue, 01 Aug 2017 04:43:00 +0000

End at: Tue, 01 Aug 2017 04:43:30 +0000

Local clock offset: 1.648 ms

Remote clock offset: -2.963 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:30:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.87 Mbit/s

95th percentile per-packet one-way delay: 18.257 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.66 Mbit/s

95th percentile per-packet one-way delay: 17.648 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 17.133 ms

Loss rate: 0.00%

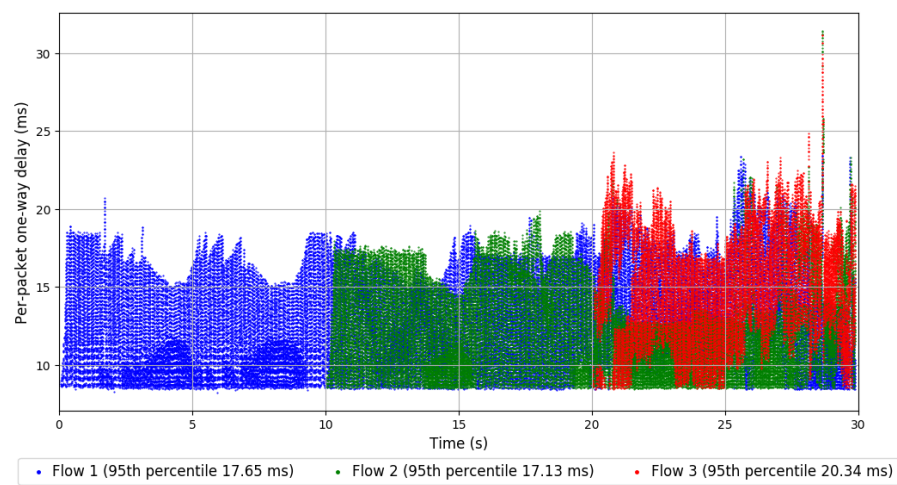
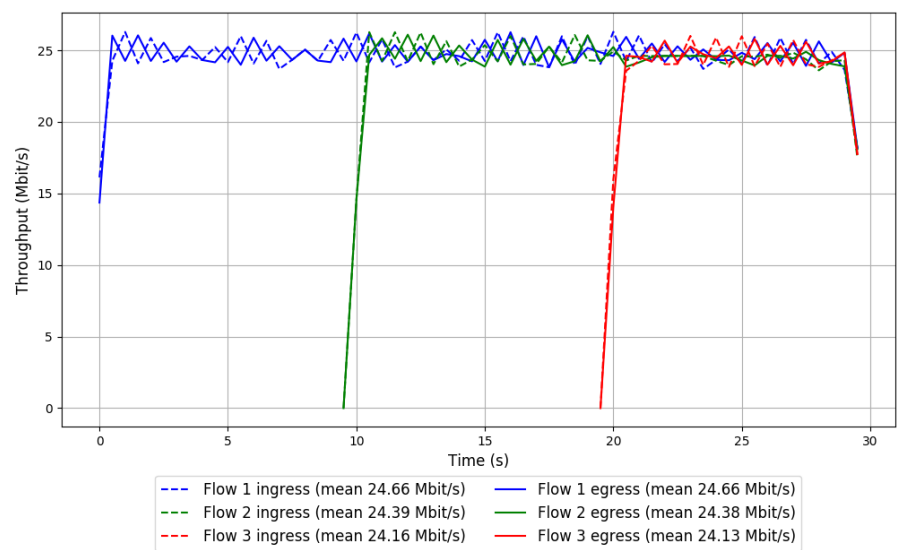
-- Flow 3:

Average throughput: 24.13 Mbit/s

95th percentile per-packet one-way delay: 20.335 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Mon, 31 Jul 2017 23:37:37 +0000

End at: Mon, 31 Jul 2017 23:38:07 +0000

Local clock offset: -0.706 ms

Remote clock offset: -4.407 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:30:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.73 Mbit/s

95th percentile per-packet one-way delay: 37.058 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 49.96 Mbit/s

95th percentile per-packet one-way delay: 35.157 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 43.72 Mbit/s

95th percentile per-packet one-way delay: 38.706 ms

Loss rate: 0.26%

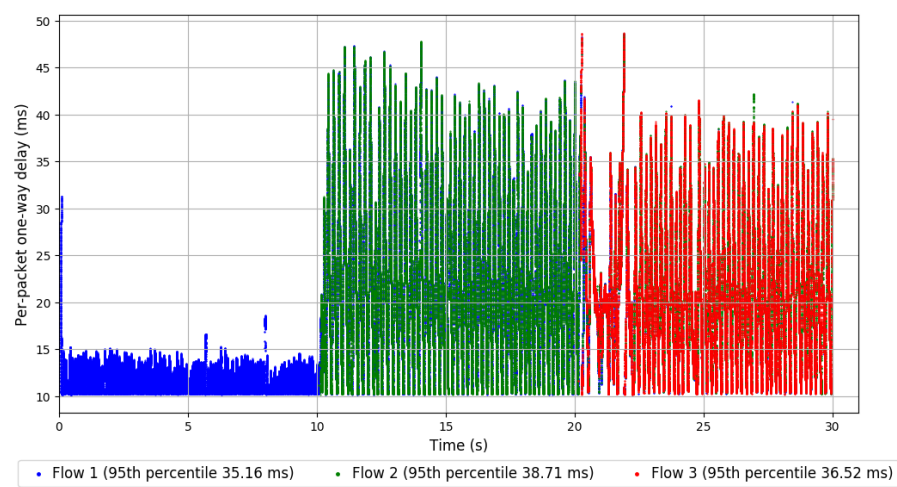
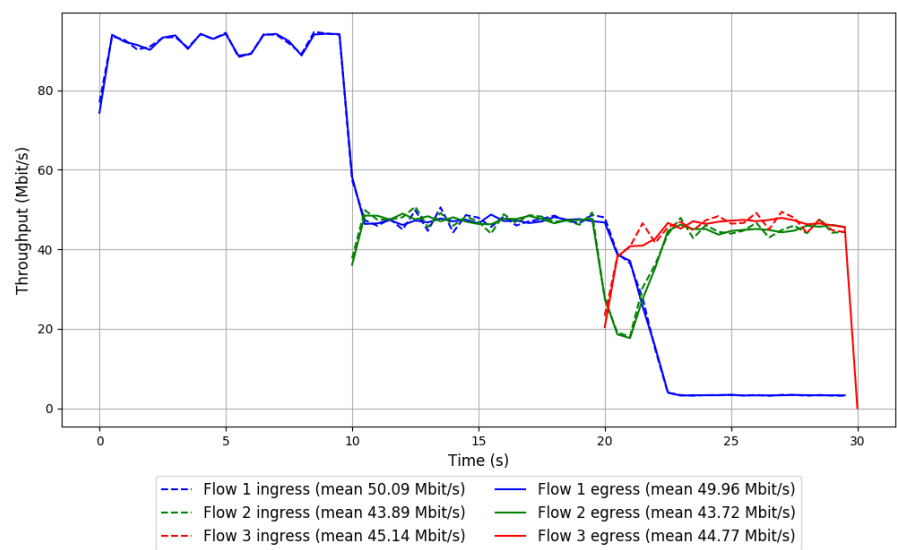
-- Flow 3:

Average throughput: 44.77 Mbit/s

95th percentile per-packet one-way delay: 36.525 ms

Loss rate: 0.54%

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



Run 2: Statistics of TaoVA-100x

Start at: Mon, 31 Jul 2017 23:55:48 +0000

End at: Mon, 31 Jul 2017 23:56:18 +0000

Local clock offset: 1.111 ms

Remote clock offset: -3.855 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:30:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.04 Mbit/s

95th percentile per-packet one-way delay: 39.373 ms

Loss rate: 4.53%

-- Flow 1:

Average throughput: 58.49 Mbit/s

95th percentile per-packet one-way delay: 36.813 ms

Loss rate: 2.50%

-- Flow 2:

Average throughput: 41.64 Mbit/s

95th percentile per-packet one-way delay: 40.302 ms

Loss rate: 5.11%

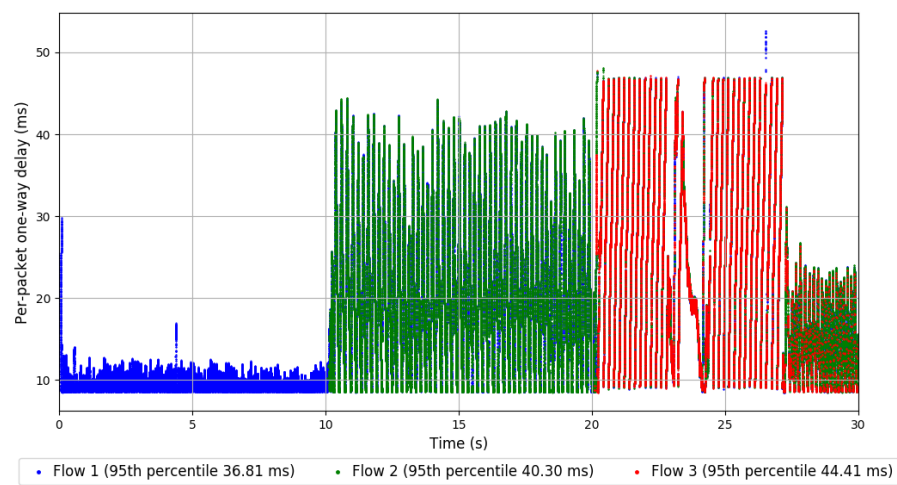
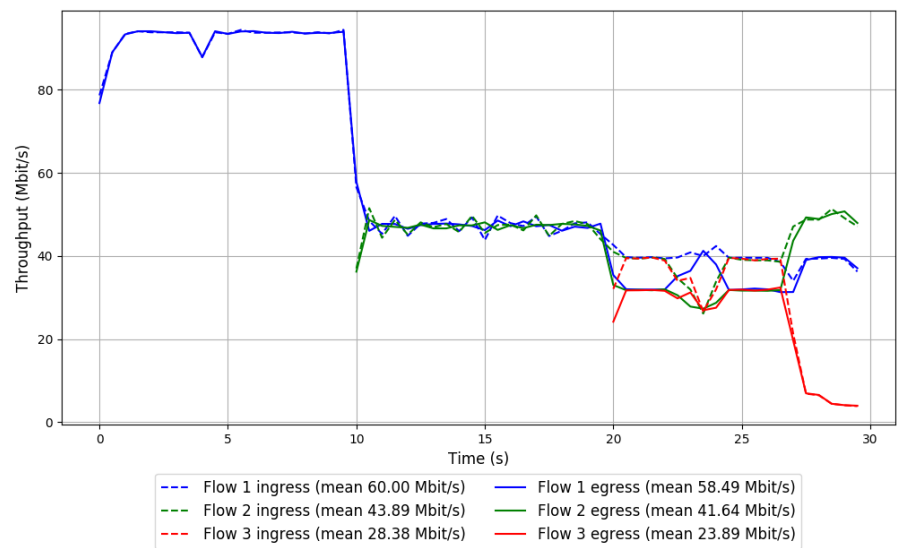
-- Flow 3:

Average throughput: 23.89 Mbit/s

95th percentile per-packet one-way delay: 44.415 ms

Loss rate: 15.78%

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



Run 3: Statistics of TaoVA-100x

Start at: Tue, 01 Aug 2017 00:14:35 +0000

End at: Tue, 01 Aug 2017 00:15:05 +0000

Local clock offset: 3.335 ms

Remote clock offset: -4.48 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:31:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 33.292 ms

Loss rate: 1.62%

-- Flow 1:

Average throughput: 61.20 Mbit/s

95th percentile per-packet one-way delay: 32.109 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 45.74 Mbit/s

95th percentile per-packet one-way delay: 34.883 ms

Loss rate: 2.27%

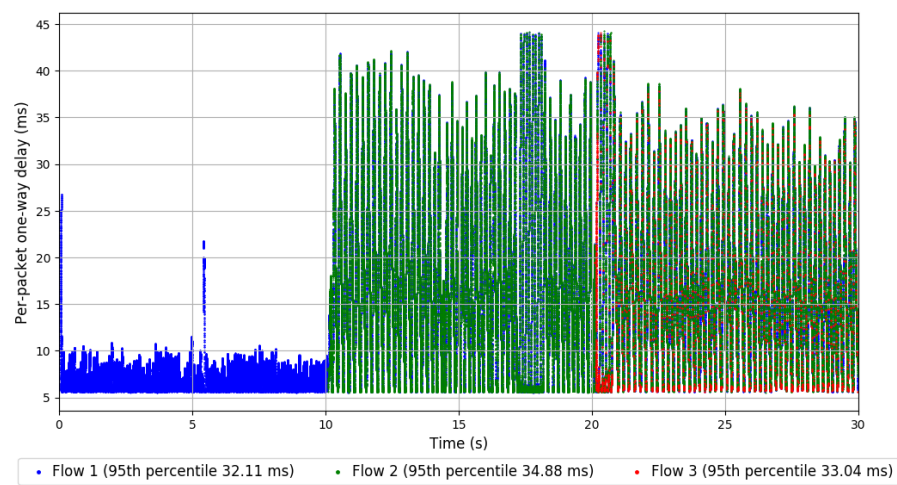
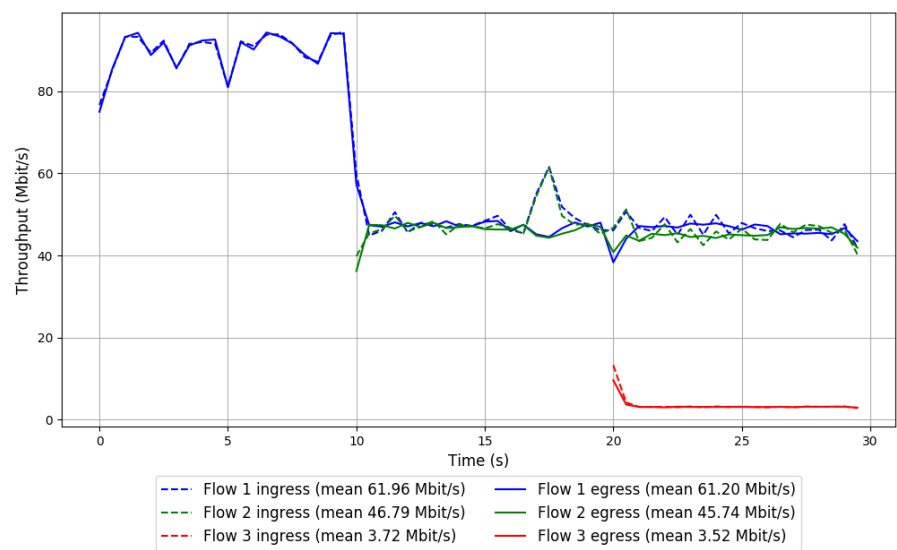
-- Flow 3:

Average throughput: 3.52 Mbit/s

95th percentile per-packet one-way delay: 33.041 ms

Loss rate: 5.57%

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



Run 4: Statistics of TaoVA-100x

Start at: Tue, 01 Aug 2017 00:58:01 +0000

End at: Tue, 01 Aug 2017 00:58:31 +0000

Local clock offset: 3.162 ms

Remote clock offset: -4.233 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:31:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 89.54 Mbit/s

95th percentile per-packet one-way delay: 31.759 ms

Loss rate: 1.17%

-- Flow 1:

Average throughput: 58.91 Mbit/s

95th percentile per-packet one-way delay: 29.374 ms

Loss rate: 0.81%

-- Flow 2:

Average throughput: 27.79 Mbit/s

95th percentile per-packet one-way delay: 35.877 ms

Loss rate: 2.34%

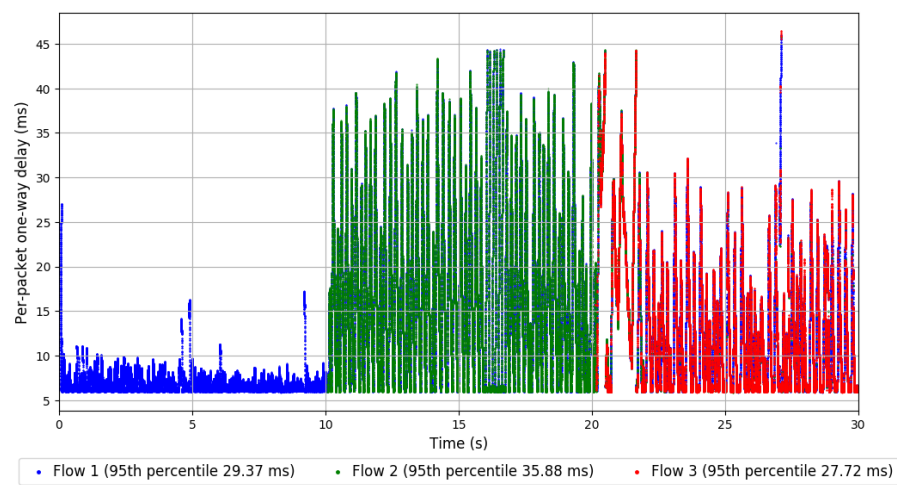
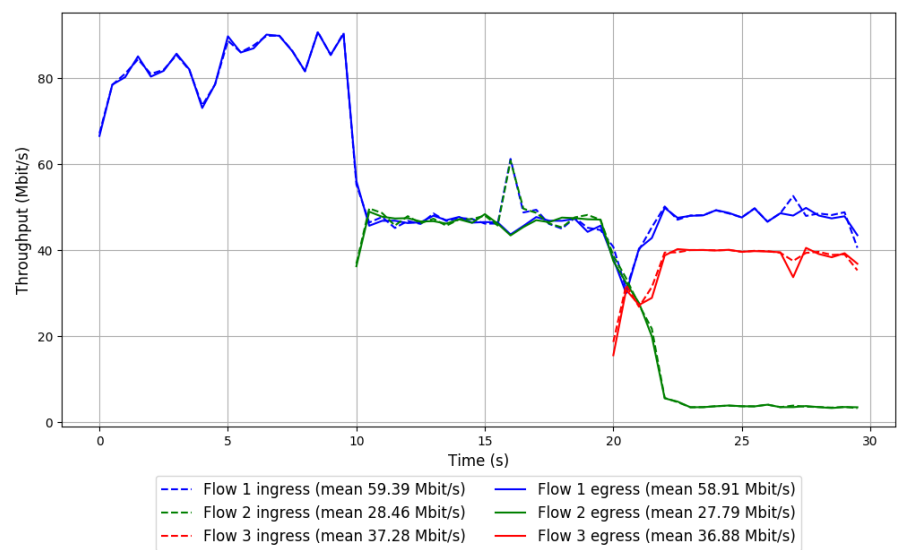
-- Flow 3:

Average throughput: 36.88 Mbit/s

95th percentile per-packet one-way delay: 27.722 ms

Loss rate: 1.10%

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



Run 5: Statistics of TaoVA-100x

Start at: Tue, 01 Aug 2017 01:22:54 +0000

End at: Tue, 01 Aug 2017 01:23:24 +0000

Local clock offset: 3.458 ms

Remote clock offset: -3.673 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:31:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.21 Mbit/s

95th percentile per-packet one-way delay: 32.550 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 58.16 Mbit/s

95th percentile per-packet one-way delay: 30.313 ms

Loss rate: 0.92%

-- Flow 2:

Average throughput: 46.70 Mbit/s

95th percentile per-packet one-way delay: 34.561 ms

Loss rate: 1.83%

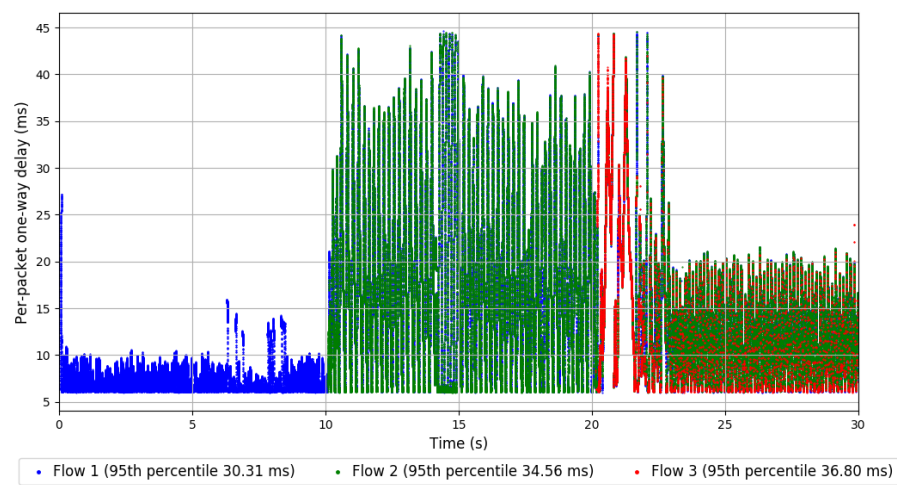
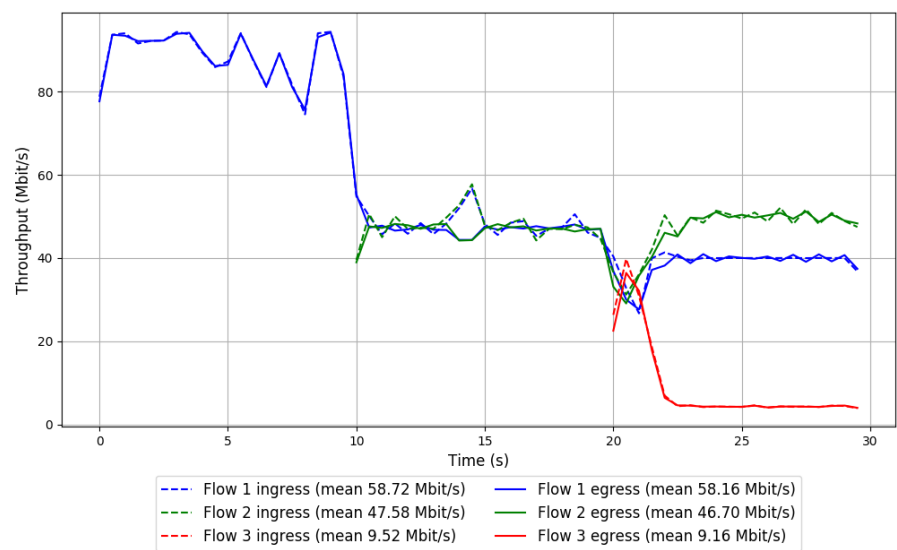
-- Flow 3:

Average throughput: 9.16 Mbit/s

95th percentile per-packet one-way delay: 36.805 ms

Loss rate: 3.73%

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



Run 6: Statistics of TaoVA-100x

Start at: Tue, 01 Aug 2017 01:55:38 +0000

End at: Tue, 01 Aug 2017 01:56:08 +0000

Local clock offset: 2.955 ms

Remote clock offset: -4.003 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:31:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.59 Mbit/s

95th percentile per-packet one-way delay: 31.344 ms

Loss rate: 2.89%

-- Flow 1:

Average throughput: 57.90 Mbit/s

95th percentile per-packet one-way delay: 29.312 ms

Loss rate: 2.16%

-- Flow 2:

Average throughput: 25.74 Mbit/s

95th percentile per-packet one-way delay: 34.768 ms

Loss rate: 5.42%

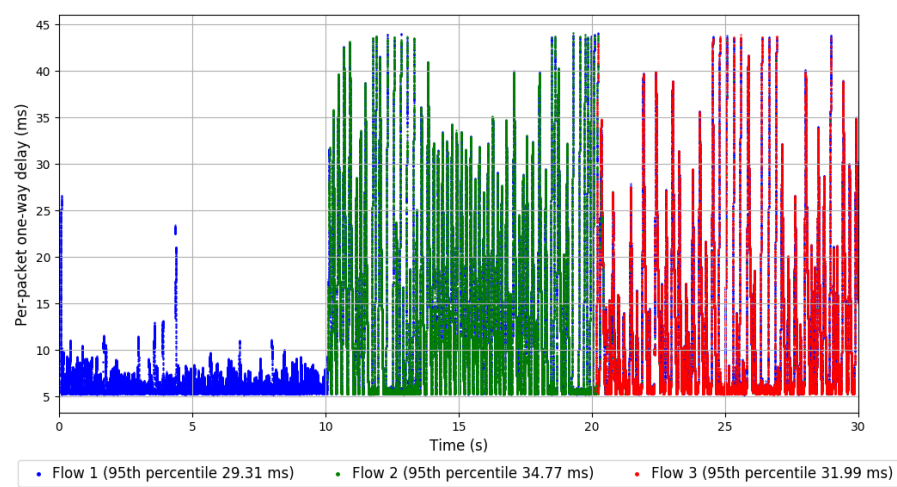
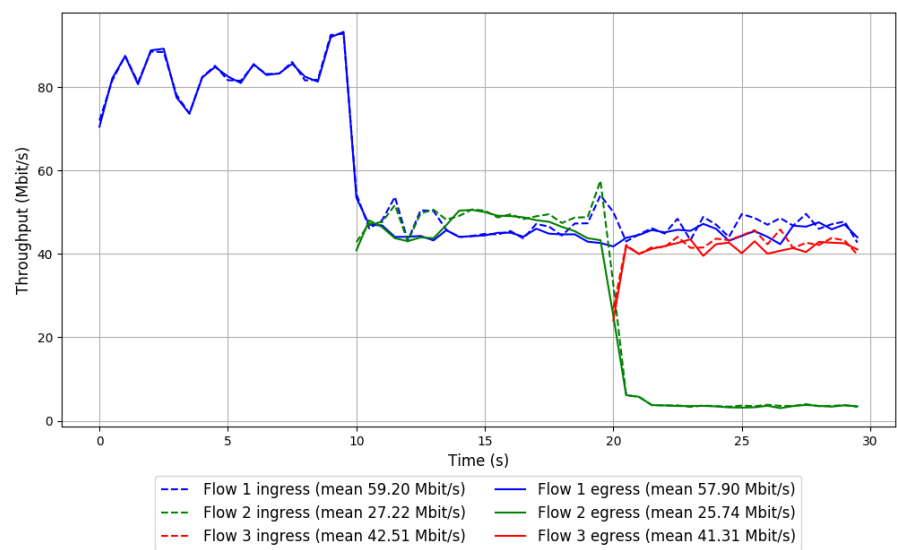
-- Flow 3:

Average throughput: 41.31 Mbit/s

95th percentile per-packet one-way delay: 31.993 ms

Loss rate: 2.73%

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



Run 7: Statistics of TaoVA-100x

Start at: Tue, 01 Aug 2017 02:28:12 +0000

End at: Tue, 01 Aug 2017 02:28:42 +0000

Local clock offset: 0.633 ms

Remote clock offset: -3.694 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:31:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 90.30 Mbit/s

95th percentile per-packet one-way delay: 35.760 ms

Loss rate: 6.80%

-- Flow 1:

Average throughput: 46.16 Mbit/s

95th percentile per-packet one-way delay: 31.541 ms

Loss rate: 3.79%

-- Flow 2:

Average throughput: 44.75 Mbit/s

95th percentile per-packet one-way delay: 38.151 ms

Loss rate: 9.56%

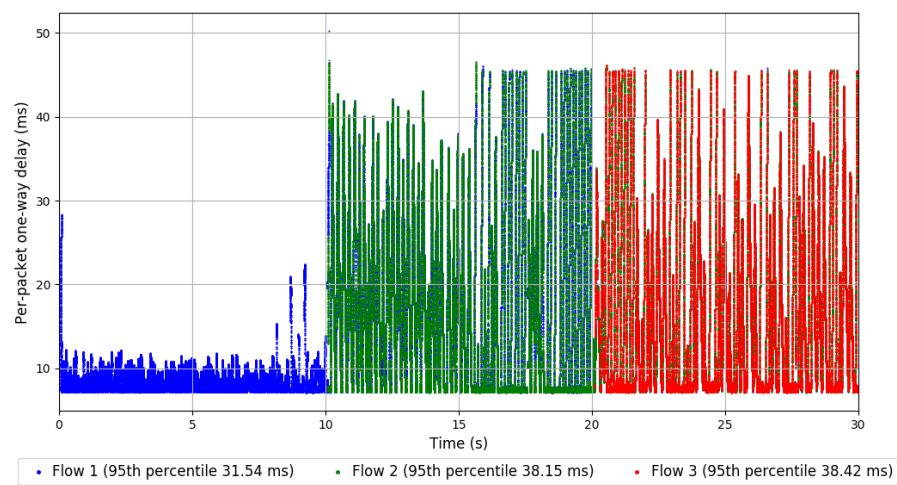
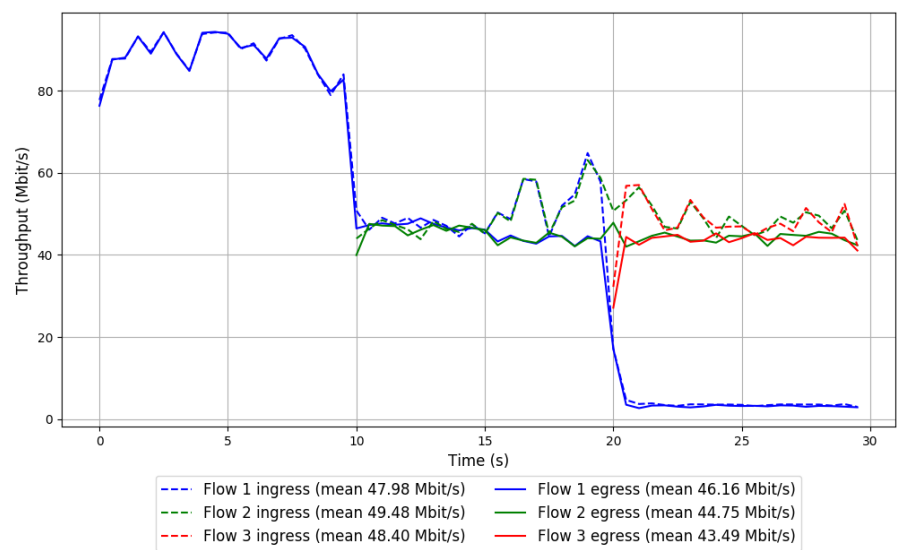
-- Flow 3:

Average throughput: 43.49 Mbit/s

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

Loss rate: 10.14%

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



Run 8: Statistics of TaoVA-100x

Start at: Tue, 01 Aug 2017 03:34:13 +0000

End at: Tue, 01 Aug 2017 03:34:43 +0000

Local clock offset: 1.525 ms

Remote clock offset: -5.766 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:31:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.78 Mbit/s

95th percentile per-packet one-way delay: 34.388 ms

Loss rate: 2.52%

-- Flow 1:

Average throughput: 57.03 Mbit/s

95th percentile per-packet one-way delay: 31.839 ms

Loss rate: 1.53%

-- Flow 2:

Average throughput: 38.96 Mbit/s

95th percentile per-packet one-way delay: 35.978 ms

Loss rate: 3.20%

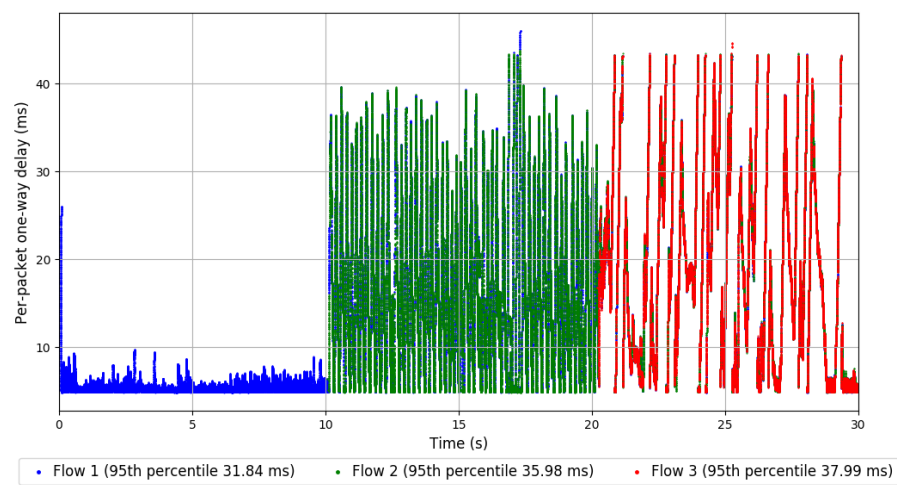
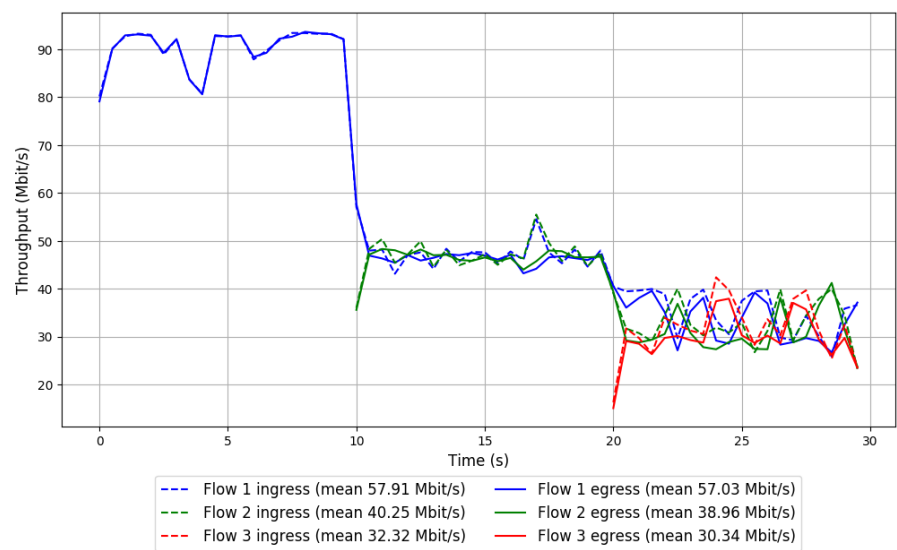
-- Flow 3:

Average throughput: 30.34 Mbit/s

95th percentile per-packet one-way delay: 37.990 ms

Loss rate: 6.22%

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



Run 9: Statistics of TaoVA-100x

Start at: Tue, 01 Aug 2017 04:07:57 +0000

End at: Tue, 01 Aug 2017 04:08:27 +0000

Local clock offset: 1.74 ms

Remote clock offset: -3.618 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:32:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.84 Mbit/s

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

Loss rate: 0.86%

-- Flow 1:

Average throughput: 57.47 Mbit/s

95th percentile per-packet one-way delay: 33.524 ms

Loss rate: 0.47%

-- Flow 2:

Average throughput: 32.35 Mbit/s

95th percentile per-packet one-way delay: 38.629 ms

Loss rate: 1.14%

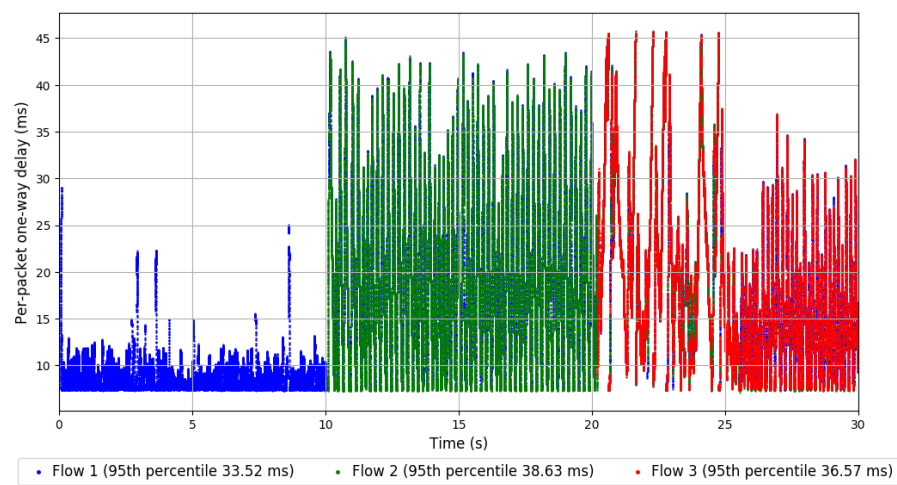
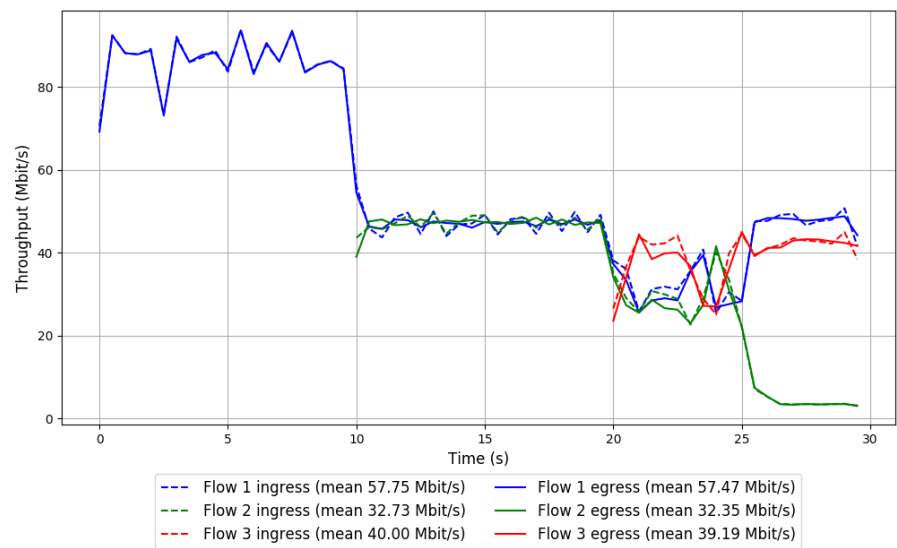
-- Flow 3:

Average throughput: 39.19 Mbit/s

95th percentile per-packet one-way delay: 36.566 ms

Loss rate: 2.11%

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



Run 10: Statistics of TaoVA-100x

Start at: Tue, 01 Aug 2017 04:26:03 +0000

End at: Tue, 01 Aug 2017 04:26:33 +0000

Local clock offset: 2.254 ms

Remote clock offset: -2.262 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:32:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 38.320 ms

Loss rate: 3.40%

-- Flow 1:

Average throughput: 51.93 Mbit/s

95th percentile per-packet one-way delay: 36.633 ms

Loss rate: 2.32%

-- Flow 2:

Average throughput: 42.13 Mbit/s

95th percentile per-packet one-way delay: 39.217 ms

Loss rate: 3.97%

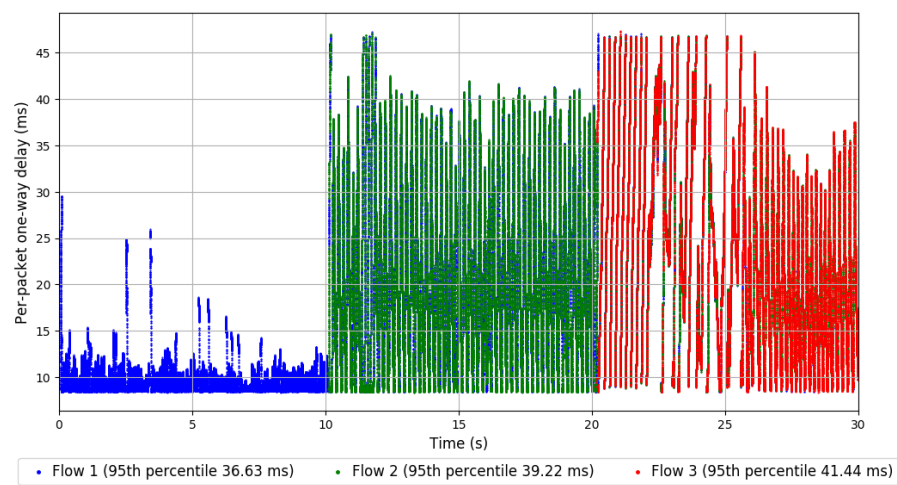
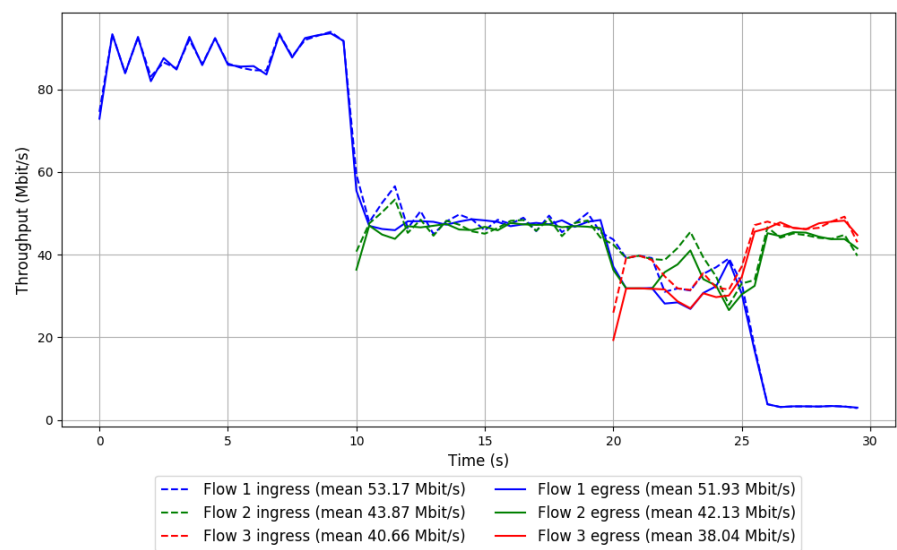
-- Flow 3:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 41.441 ms

Loss rate: 6.44%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: Mon, 31 Jul 2017 23:38:56 +0000

End at: Mon, 31 Jul 2017 23:39:26 +0000

Local clock offset: 2.335 ms

Remote clock offset: -4.796 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:32:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 93.71 Mbit/s

95th percentile per-packet one-way delay: 11.885 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 56.19 Mbit/s

95th percentile per-packet one-way delay: 11.931 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.61 Mbit/s

95th percentile per-packet one-way delay: 12.784 ms

Loss rate: 0.00%

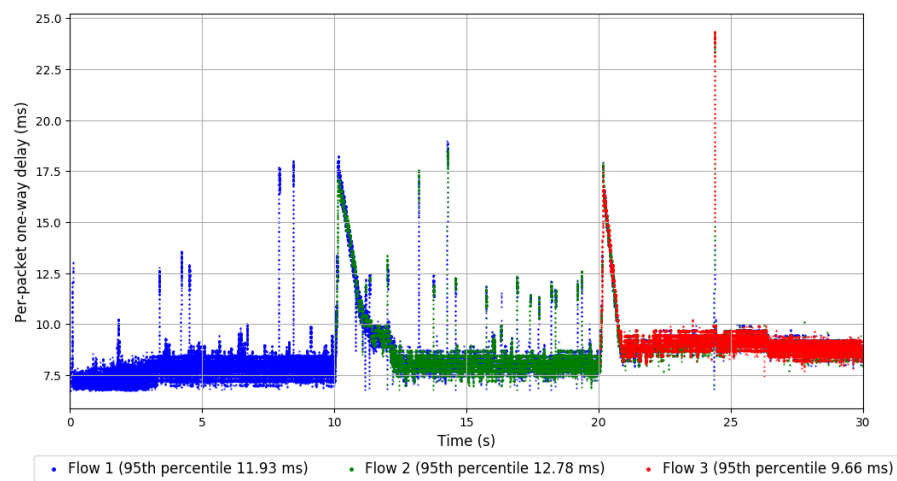
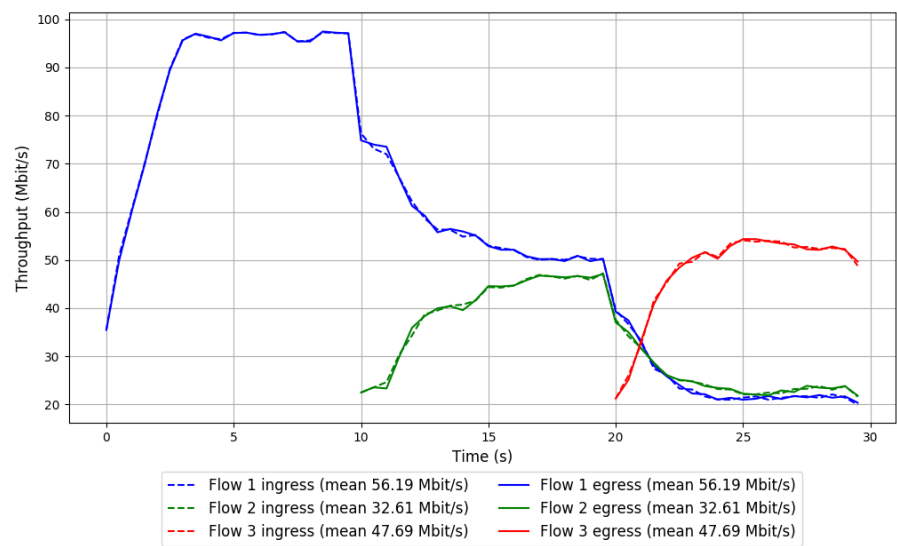
-- Flow 3:

Average throughput: 47.69 Mbit/s

95th percentile per-packet one-way delay: 9.665 ms

Loss rate: 0.03%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Mon, 31 Jul 2017 23:57:05 +0000

End at: Mon, 31 Jul 2017 23:57:35 +0000

Local clock offset: 1.275 ms

Remote clock offset: -4.193 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:32:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.67 Mbit/s

95th percentile per-packet one-way delay: 17.607 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 55.84 Mbit/s

95th percentile per-packet one-way delay: 19.159 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 40.40 Mbit/s

95th percentile per-packet one-way delay: 12.082 ms

Loss rate: 0.00%

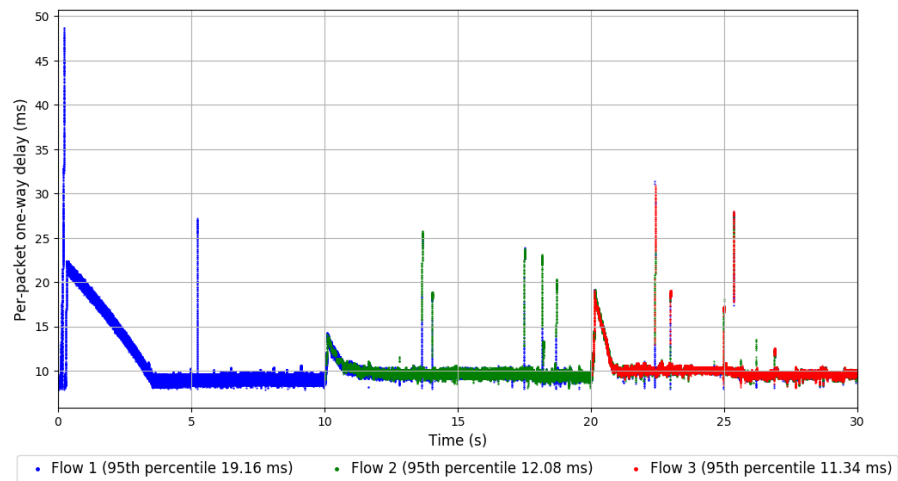
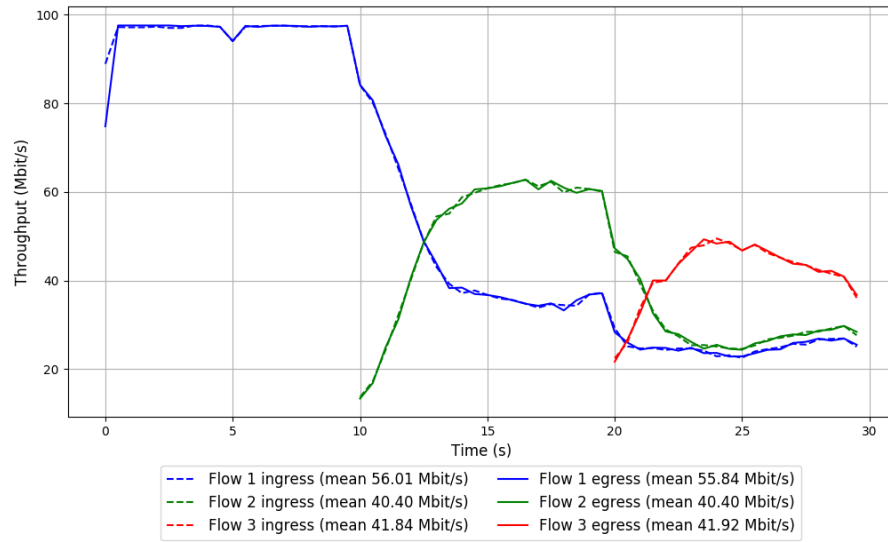
-- Flow 3:

Average throughput: 41.92 Mbit/s

95th percentile per-packet one-way delay: 11.340 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Tue, 01 Aug 2017 00:16:12 +0000

End at: Tue, 01 Aug 2017 00:16:42 +0000

Local clock offset: 3.849 ms

Remote clock offset: -4.718 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:32:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.41 Mbit/s

95th percentile per-packet one-way delay: 11.650 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 62.86 Mbit/s

95th percentile per-packet one-way delay: 12.130 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 34.76 Mbit/s

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

Loss rate: 0.00%

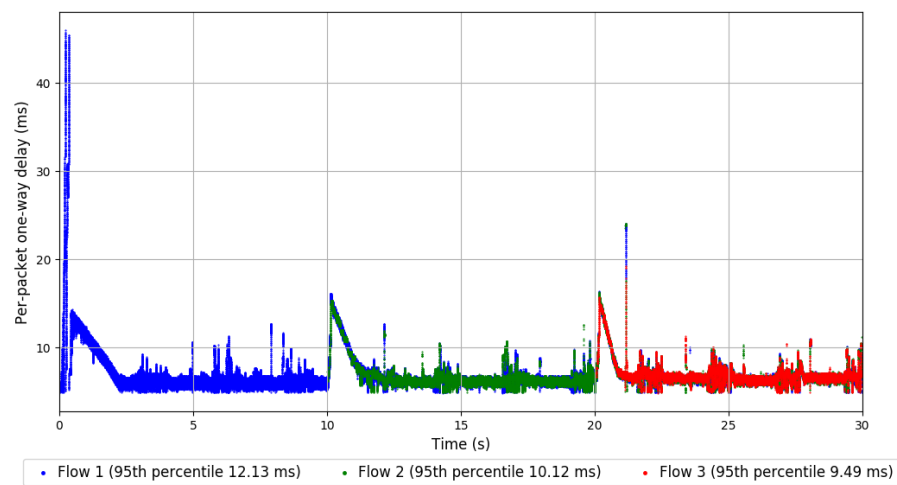
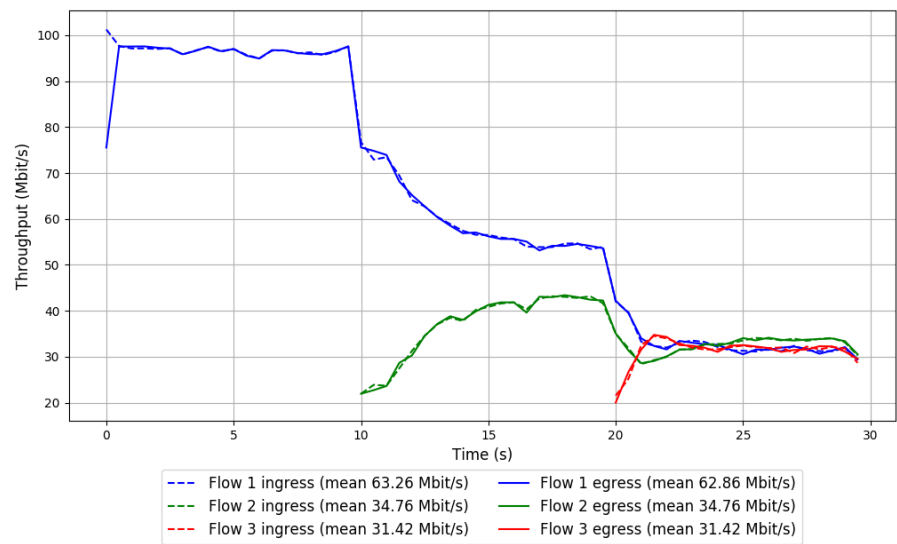
-- Flow 3:

Average throughput: 31.42 Mbit/s

95th percentile per-packet one-way delay: 9.495 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Tue, 01 Aug 2017 01:05:18 +0000

End at: Tue, 01 Aug 2017 01:05:48 +0000

Local clock offset: 3.239 ms

Remote clock offset: -4.1 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:32:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 15.992 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 61.43 Mbit/s

95th percentile per-packet one-way delay: 17.225 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 30.53 Mbit/s

95th percentile per-packet one-way delay: 12.675 ms

Loss rate: 0.00%

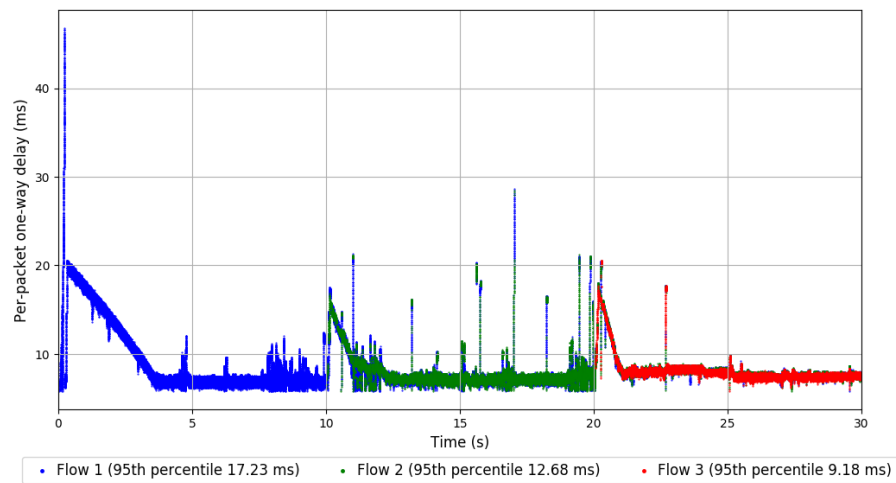
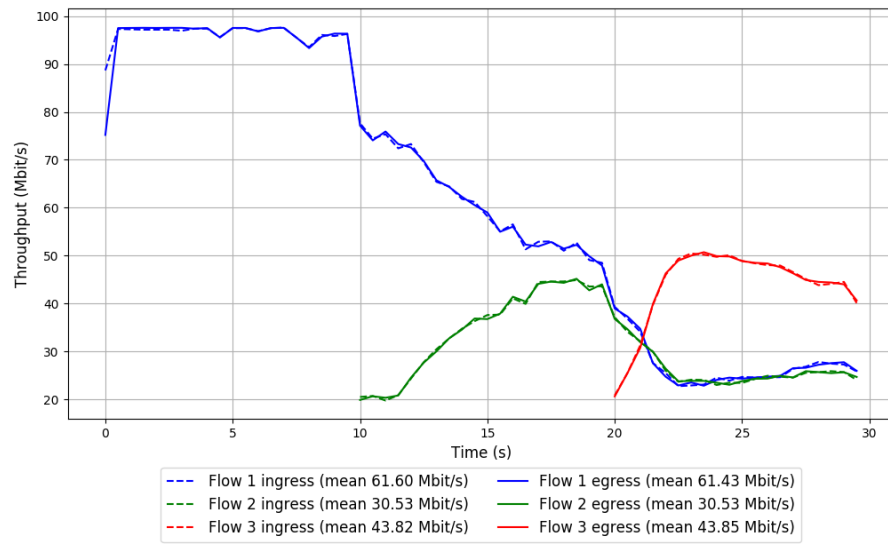
-- Flow 3:

Average throughput: 43.85 Mbit/s

95th percentile per-packet one-way delay: 9.184 ms

Loss rate: 0.01%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Tue, 01 Aug 2017 01:24:26 +0000

End at: Tue, 01 Aug 2017 01:24:56 +0000

Local clock offset: 0.366 ms

Remote clock offset: -4.358 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:33:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.32 Mbit/s

95th percentile per-packet one-way delay: 18.370 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 63.59 Mbit/s

95th percentile per-packet one-way delay: 19.866 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 32.45 Mbit/s

95th percentile per-packet one-way delay: 12.344 ms

Loss rate: 0.00%

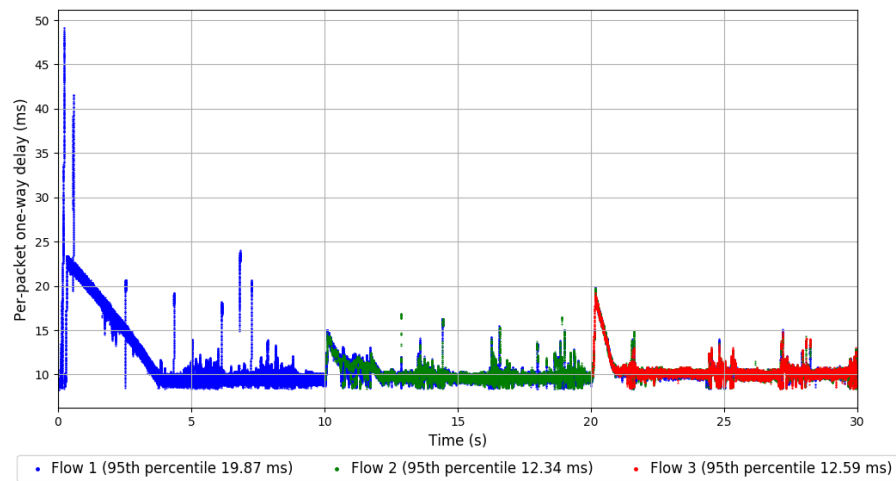
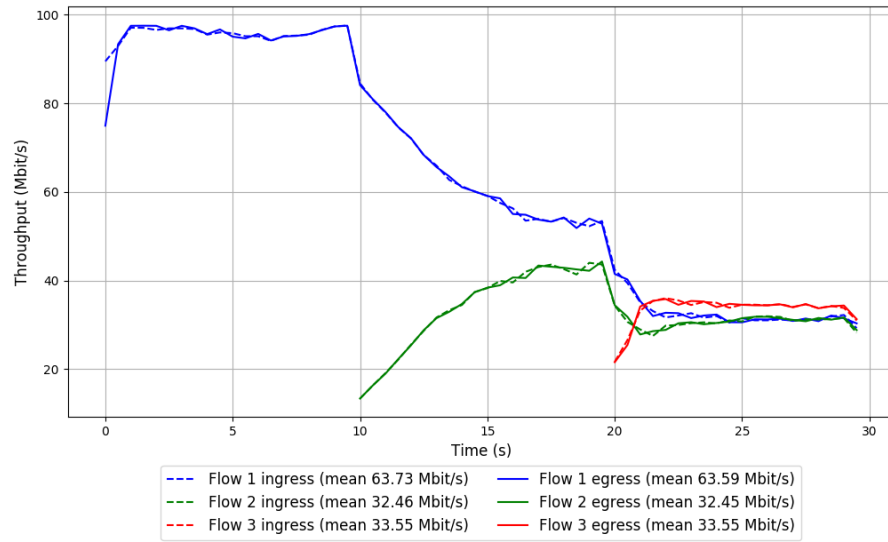
-- Flow 3:

Average throughput: 33.55 Mbit/s

95th percentile per-packet one-way delay: 12.592 ms

Loss rate: 0.00%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Tue, 01 Aug 2017 01:59:32 +0000

End at: Tue, 01 Aug 2017 02:00:02 +0000

Local clock offset: -0.893 ms

Remote clock offset: -5.31 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:33:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.82 Mbit/s

95th percentile per-packet one-way delay: 12.695 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.24 Mbit/s

95th percentile per-packet one-way delay: 12.464 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.74 Mbit/s

95th percentile per-packet one-way delay: 13.066 ms

Loss rate: 0.00%

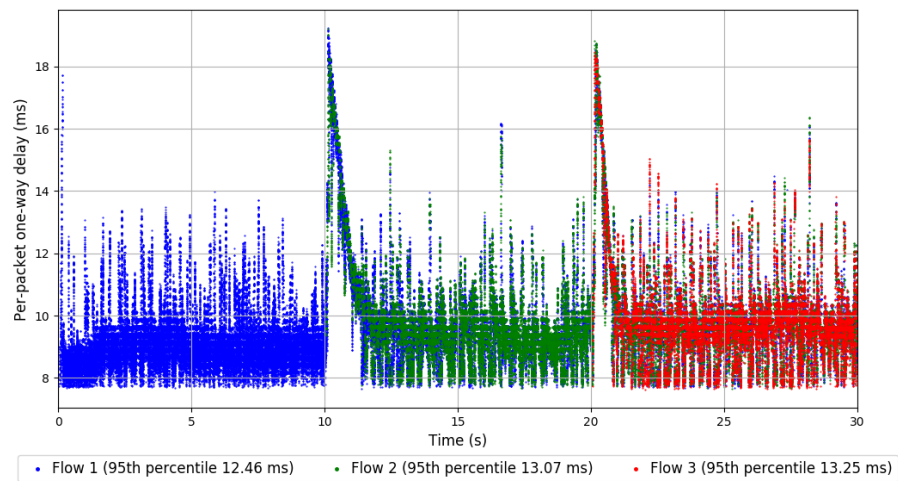
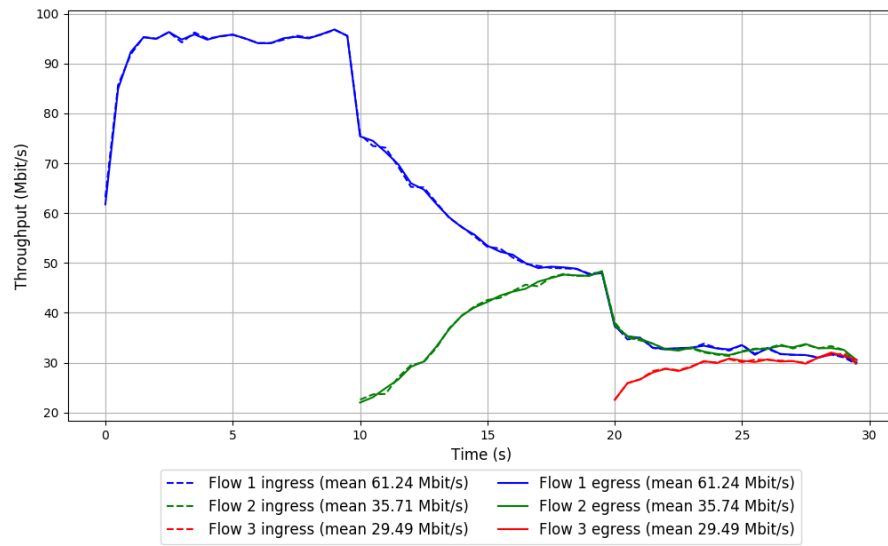
-- Flow 3:

Average throughput: 29.49 Mbit/s

95th percentile per-packet one-way delay: 13.251 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Tue, 01 Aug 2017 02:41:21 +0000

End at: Tue, 01 Aug 2017 02:41:51 +0000

Local clock offset: -0.311 ms

Remote clock offset: -3.276 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:33:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 94.12 Mbit/s

95th percentile per-packet one-way delay: 15.499 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 62.61 Mbit/s

95th percentile per-packet one-way delay: 15.905 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 34.20 Mbit/s

95th percentile per-packet one-way delay: 14.693 ms

Loss rate: 0.00%

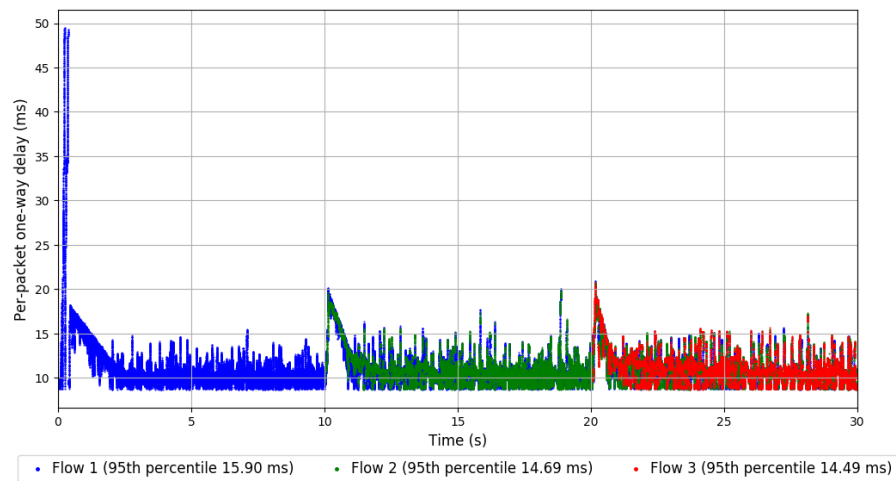
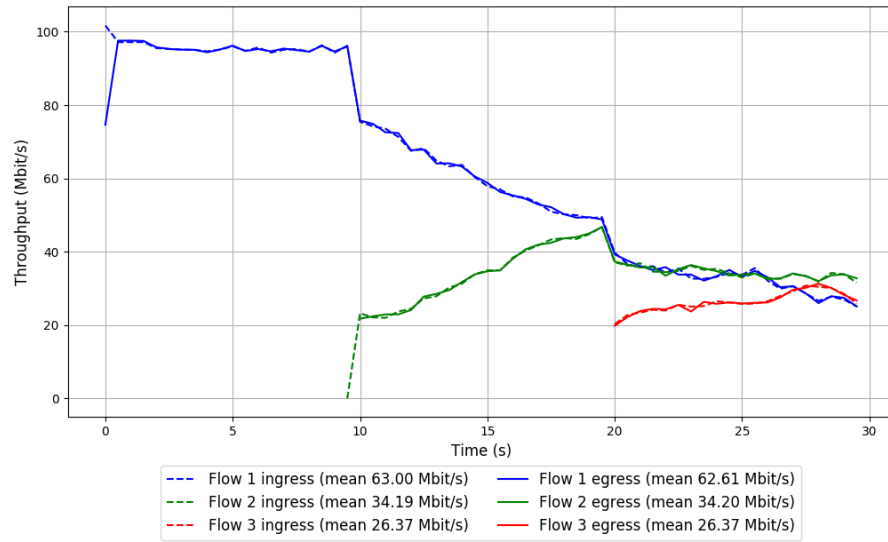
-- Flow 3:

Average throughput: 26.37 Mbit/s

95th percentile per-packet one-way delay: 14.491 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Tue, 01 Aug 2017 03:35:37 +0000

End at: Tue, 01 Aug 2017 03:36:07 +0000

Local clock offset: 1.173 ms

Remote clock offset: -5.105 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:33:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.63 Mbit/s

95th percentile per-packet one-way delay: 15.600 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 62.33 Mbit/s

95th percentile per-packet one-way delay: 16.888 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 35.34 Mbit/s

95th percentile per-packet one-way delay: 10.984 ms

Loss rate: 0.01%

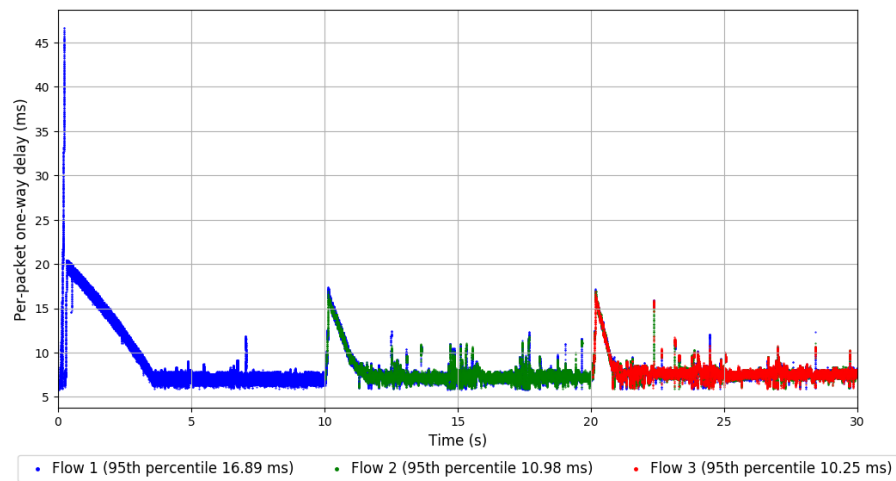
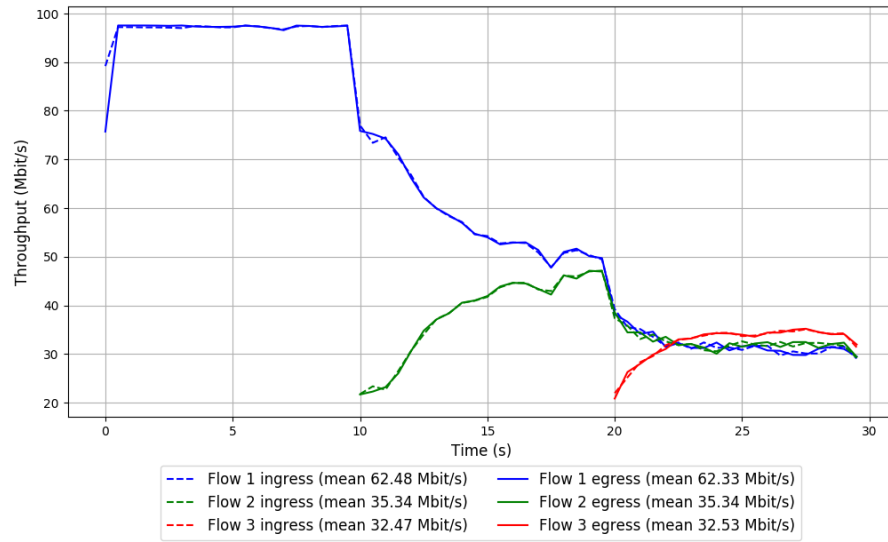
-- Flow 3:

Average throughput: 32.53 Mbit/s

95th percentile per-packet one-way delay: 10.247 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Tue, 01 Aug 2017 04:09:16 +0000

End at: Tue, 01 Aug 2017 04:09:46 +0000

Local clock offset: 1.566 ms

Remote clock offset: -2.974 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:33:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.79 Mbit/s

95th percentile per-packet one-way delay: 15.717 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 58.17 Mbit/s

95th percentile per-packet one-way delay: 17.670 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 40.72 Mbit/s

95th percentile per-packet one-way delay: 10.950 ms

Loss rate: 0.00%

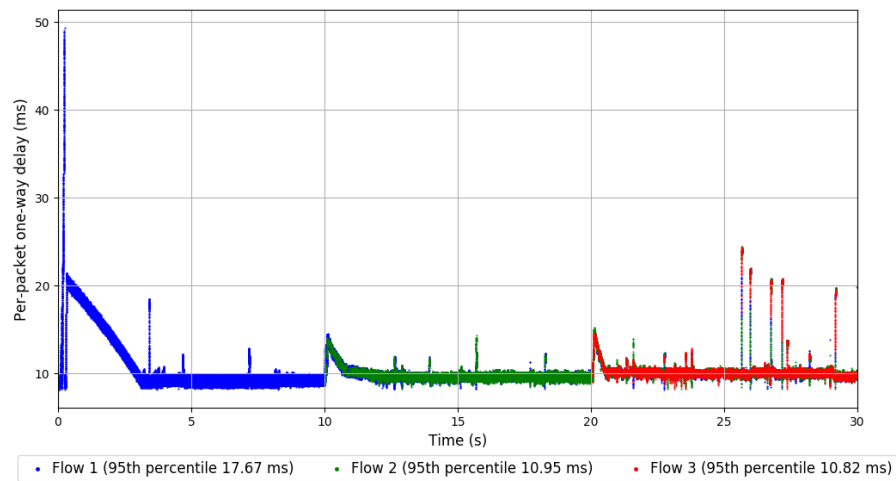
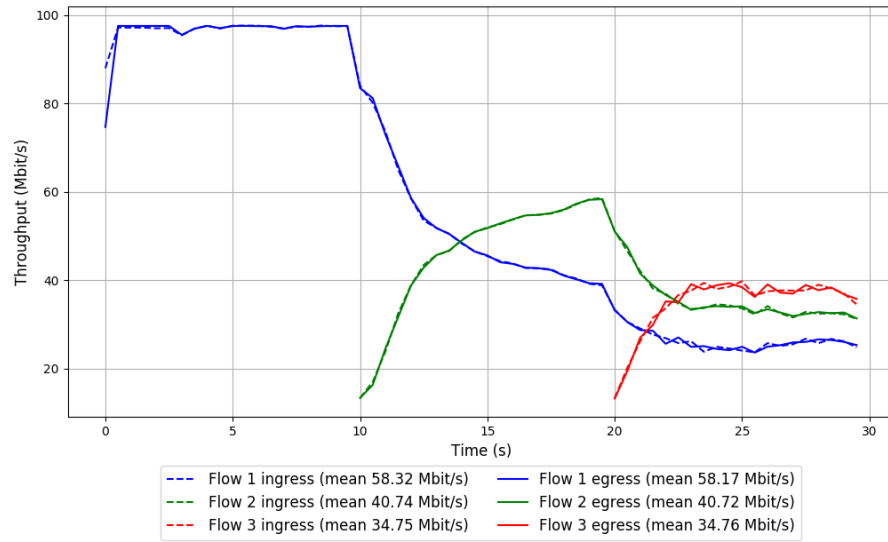
-- Flow 3:

Average throughput: 34.76 Mbit/s

95th percentile per-packet one-way delay: 10.821 ms

Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Tue, 01 Aug 2017 04:27:34 +0000

End at: Tue, 01 Aug 2017 04:28:04 +0000

Local clock offset: -0.863 ms

Remote clock offset: -3.246 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:33:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.22 Mbit/s

95th percentile per-packet one-way delay: 14.425 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.51 Mbit/s

95th percentile per-packet one-way delay: 13.961 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.72 Mbit/s

95th percentile per-packet one-way delay: 14.803 ms

Loss rate: 0.00%

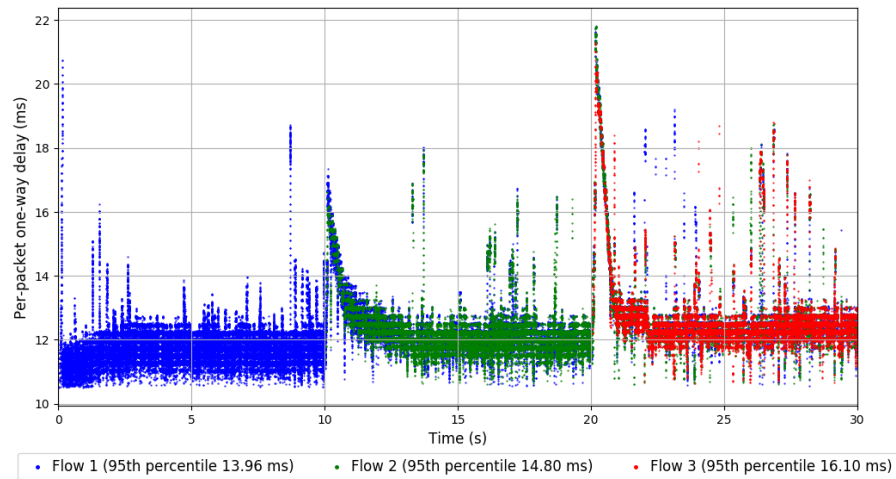
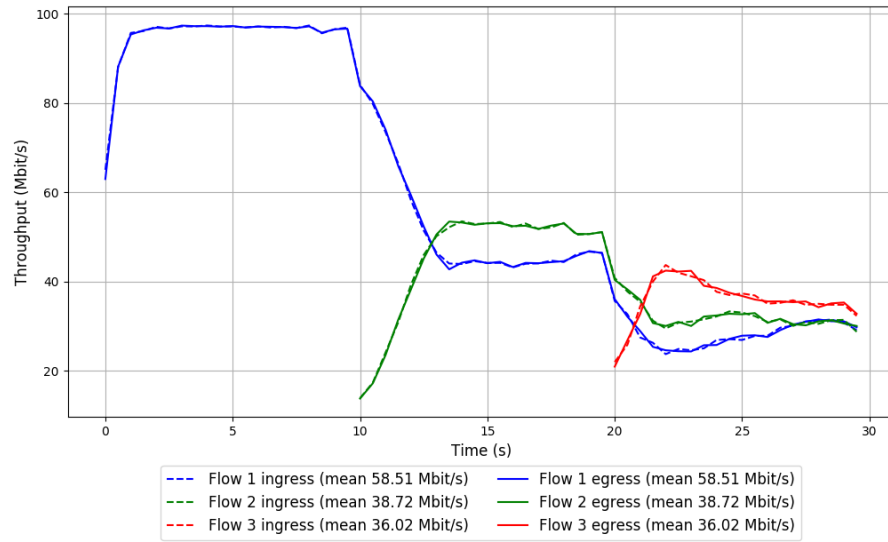
-- Flow 3:

Average throughput: 36.02 Mbit/s

95th percentile per-packet one-way delay: 16.100 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Mon, 31 Jul 2017 23:45:02 +0000

End at: Mon, 31 Jul 2017 23:45:32 +0000

Local clock offset: 1.792 ms

Remote clock offset: -4.235 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:33:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.21 Mbit/s

95th percentile per-packet one-way delay: 43.561 ms

Loss rate: 33.20%

-- Flow 1:

Average throughput: 41.75 Mbit/s

95th percentile per-packet one-way delay: 44.043 ms

Loss rate: 38.44%

-- Flow 2:

Average throughput: 42.34 Mbit/s

95th percentile per-packet one-way delay: 42.302 ms

Loss rate: 22.64%

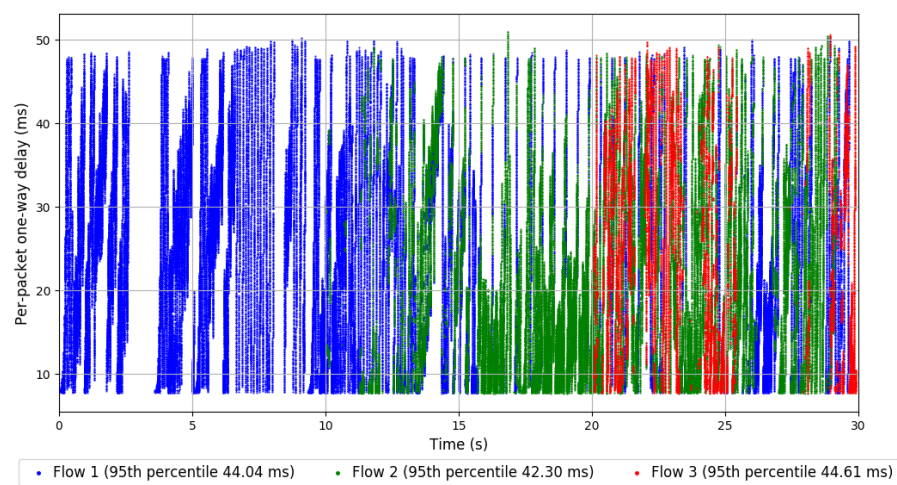
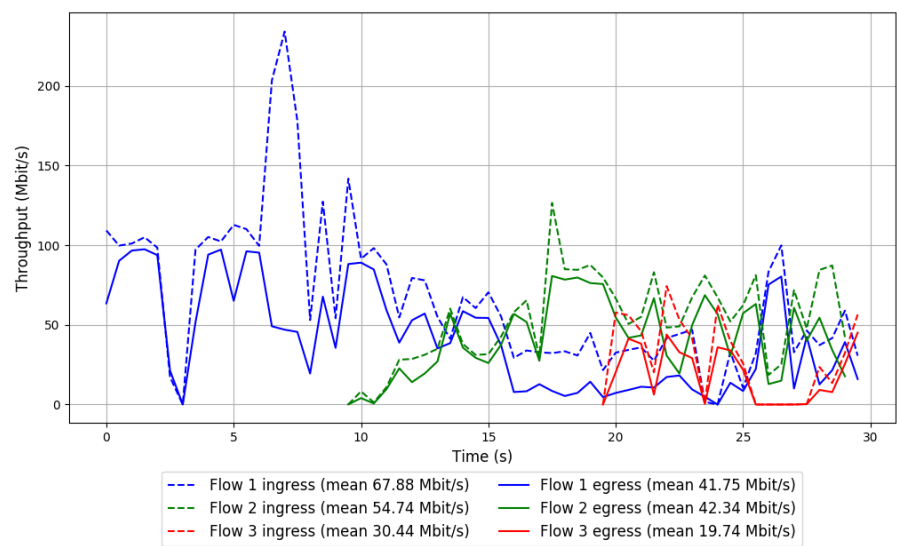
-- Flow 3:

Average throughput: 19.74 Mbit/s

95th percentile per-packet one-way delay: 44.613 ms

Loss rate: 35.16%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Tue, 01 Aug 2017 00:03:02 +0000

End at: Tue, 01 Aug 2017 00:03:32 +0000

Local clock offset: 1.819 ms

Remote clock offset: -3.634 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:33:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.02 Mbit/s

95th percentile per-packet one-way delay: 43.653 ms

Loss rate: 29.01%

-- Flow 1:

Average throughput: 48.40 Mbit/s

95th percentile per-packet one-way delay: 43.380 ms

Loss rate: 22.63%

-- Flow 2:

Average throughput: 41.61 Mbit/s

95th percentile per-packet one-way delay: 43.999 ms

Loss rate: 35.70%

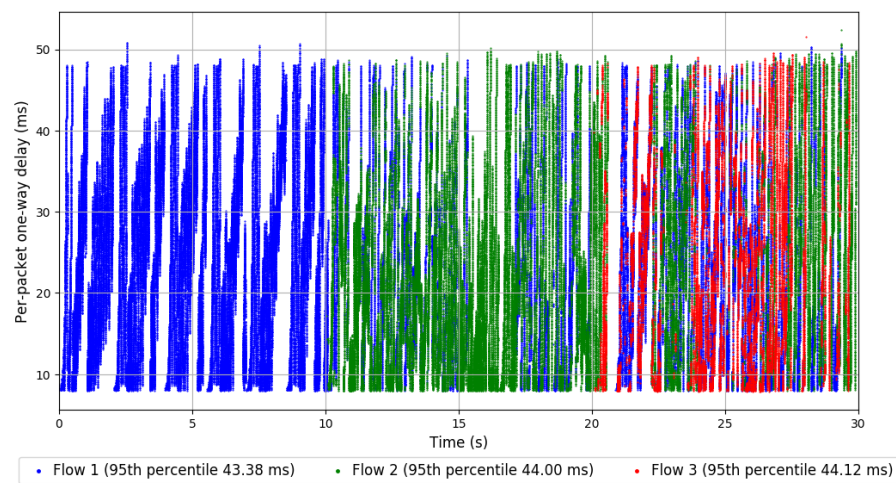
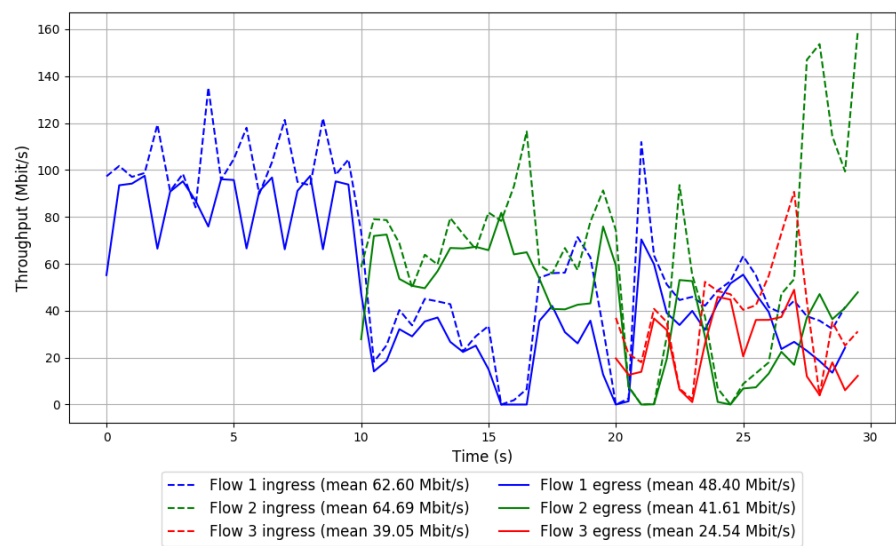
-- Flow 3:

Average throughput: 24.54 Mbit/s

95th percentile per-packet one-way delay: 44.118 ms

Loss rate: 37.31%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Tue, 01 Aug 2017 00:22:52 +0000

End at: Tue, 01 Aug 2017 00:23:22 +0000

Local clock offset: 2.154 ms

Remote clock offset: -3.676 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:33:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.77 Mbit/s

95th percentile per-packet one-way delay: 42.584 ms

Loss rate: 24.29%

-- Flow 1:

Average throughput: 53.00 Mbit/s

95th percentile per-packet one-way delay: 42.429 ms

Loss rate: 17.83%

-- Flow 2:

Average throughput: 33.38 Mbit/s

95th percentile per-packet one-way delay: 43.148 ms

Loss rate: 35.40%

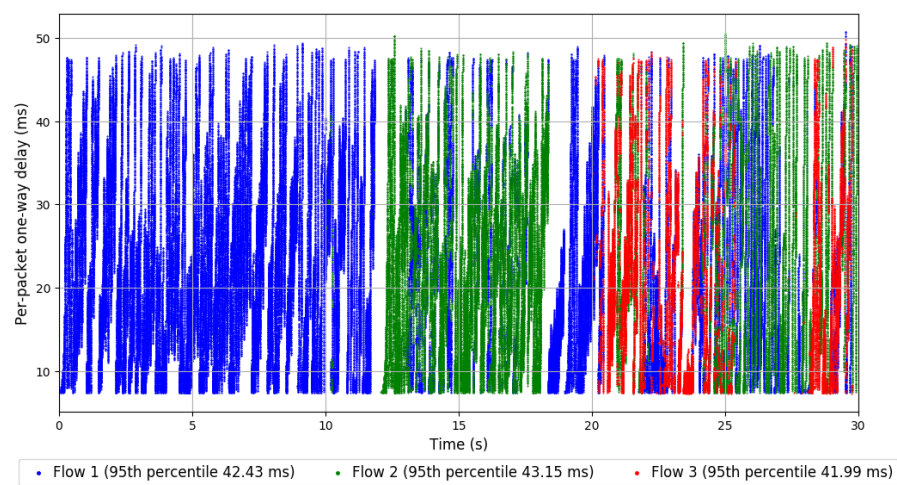
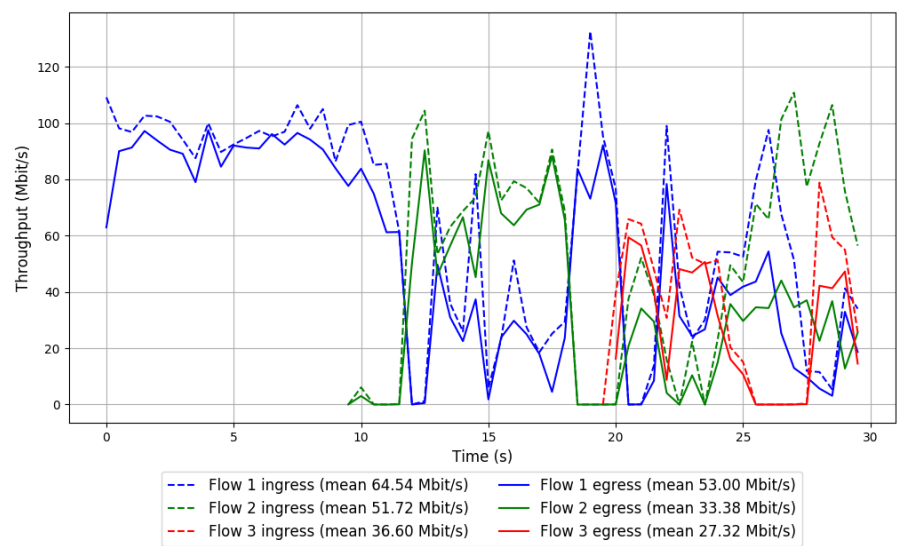
-- Flow 3:

Average throughput: 27.32 Mbit/s

95th percentile per-packet one-way delay: 41.986 ms

Loss rate: 26.88%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Tue, 01 Aug 2017 01:11:32 +0000

End at: Tue, 01 Aug 2017 01:12:02 +0000

Local clock offset: 2.884 ms

Remote clock offset: -4.25 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:33:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.69 Mbit/s

95th percentile per-packet one-way delay: 41.200 ms

Loss rate: 26.59%

-- Flow 1:

Average throughput: 59.62 Mbit/s

95th percentile per-packet one-way delay: 40.952 ms

Loss rate: 23.22%

-- Flow 2:

Average throughput: 27.75 Mbit/s

95th percentile per-packet one-way delay: 41.649 ms

Loss rate: 31.14%

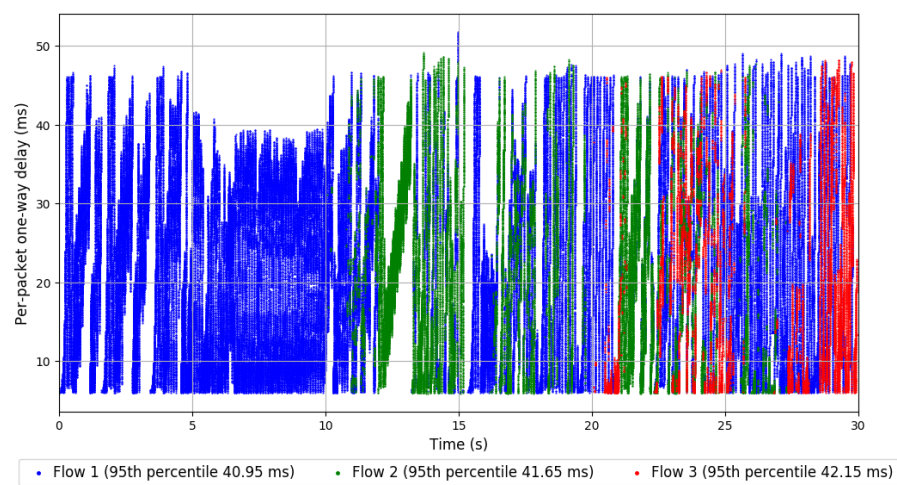
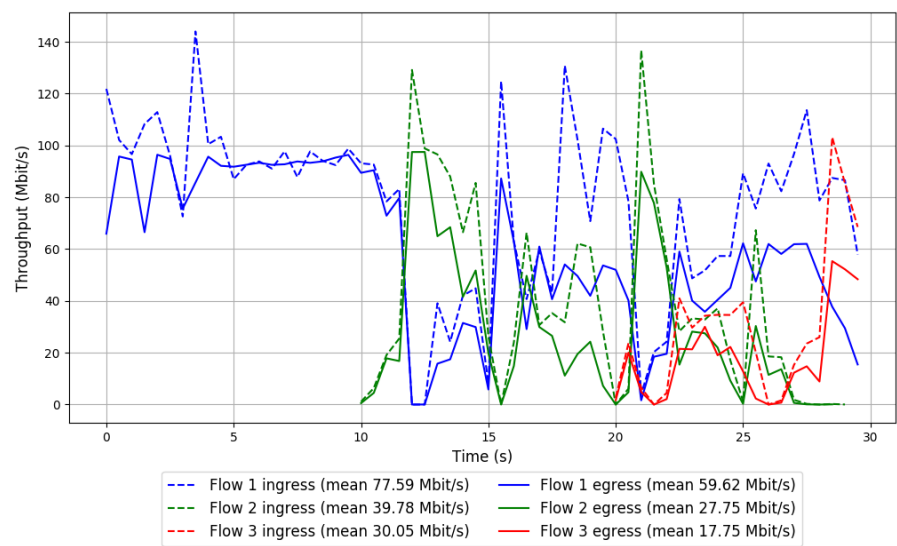
-- Flow 3:

Average throughput: 17.75 Mbit/s

95th percentile per-packet one-way delay: 42.154 ms

Loss rate: 41.08%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Tue, 01 Aug 2017 01:30:57 +0000

End at: Tue, 01 Aug 2017 01:31:27 +0000

Local clock offset: 2.736 ms

Remote clock offset: -4.216 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.61 Mbit/s

95th percentile per-packet one-way delay: 42.506 ms

Loss rate: 41.41%

-- Flow 1:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 42.745 ms

Loss rate: 43.16%

-- Flow 2:

Average throughput: 27.44 Mbit/s

95th percentile per-packet one-way delay: 42.216 ms

Loss rate: 39.55%

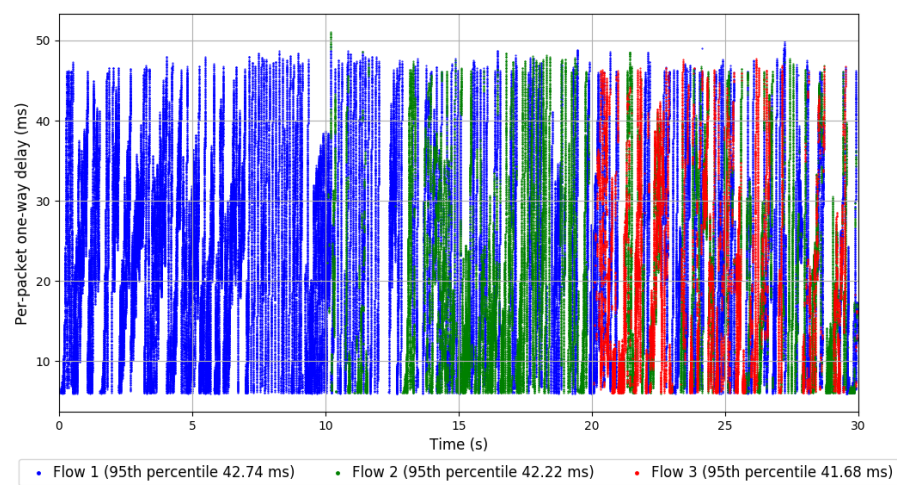
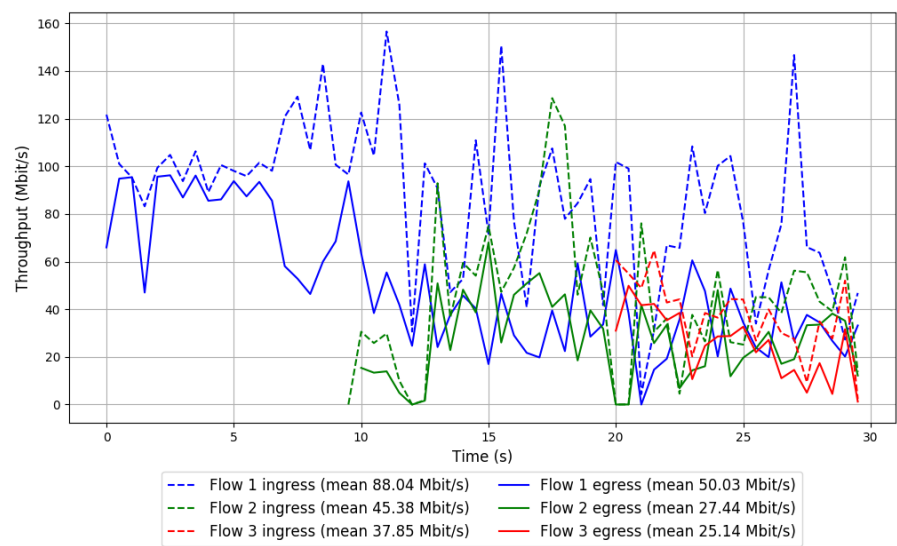
-- Flow 3:

Average throughput: 25.14 Mbit/s

95th percentile per-packet one-way delay: 41.681 ms

Loss rate: 33.60%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Tue, 01 Aug 2017 02:14:59 +0000

End at: Tue, 01 Aug 2017 02:15:29 +0000

Local clock offset: -2.338 ms

Remote clock offset: -3.218 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.20 Mbit/s

95th percentile per-packet one-way delay: 47.314 ms

Loss rate: 44.31%

-- Flow 1:

Average throughput: 37.46 Mbit/s

95th percentile per-packet one-way delay: 46.495 ms

Loss rate: 32.63%

-- Flow 2:

Average throughput: 34.29 Mbit/s

95th percentile per-packet one-way delay: 47.792 ms

Loss rate: 53.11%

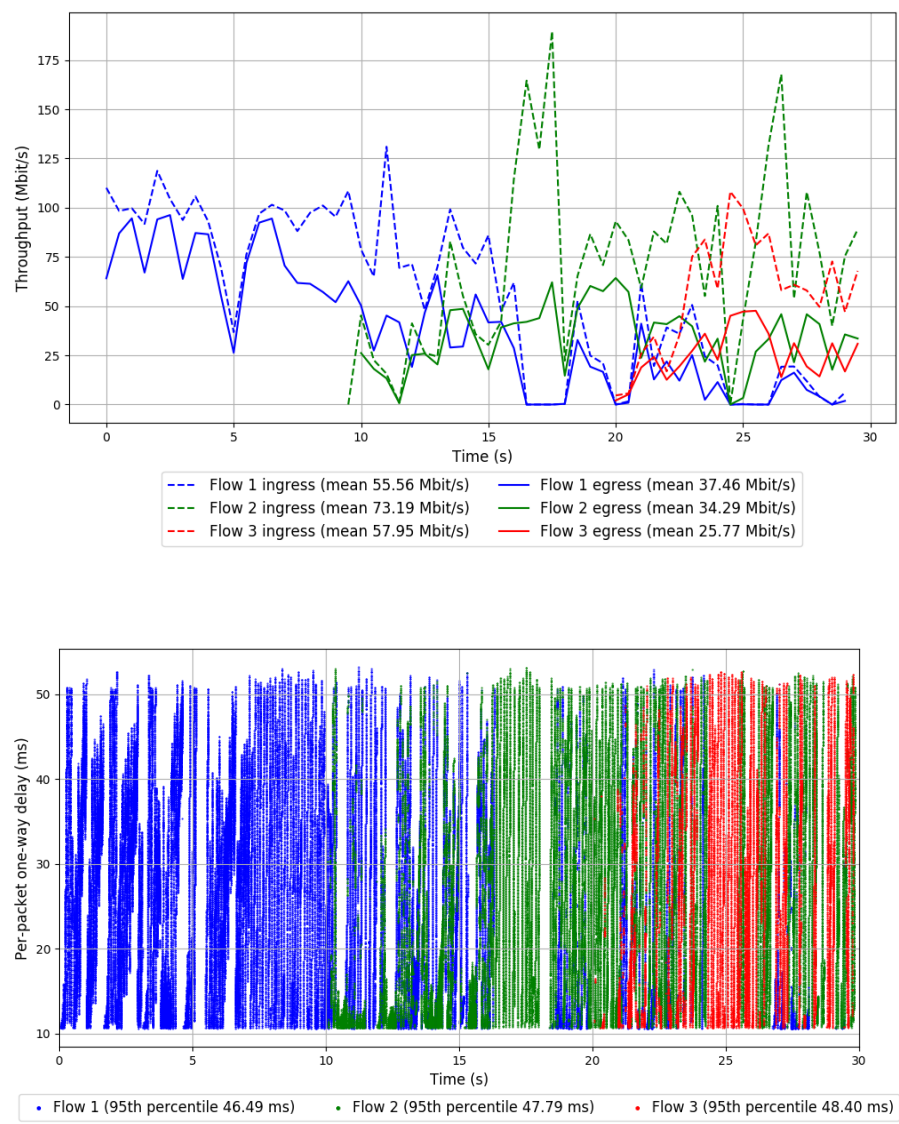
-- Flow 3:

Average throughput: 25.77 Mbit/s

95th percentile per-packet one-way delay: 48.397 ms

Loss rate: 55.61%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Tue, 01 Aug 2017 03:06:38 +0000

End at: Tue, 01 Aug 2017 03:07:08 +0000

Local clock offset: -0.607 ms

Remote clock offset: -3.58 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.56 Mbit/s

95th percentile per-packet one-way delay: 45.390 ms

Loss rate: 34.42%

-- Flow 1:

Average throughput: 62.70 Mbit/s

95th percentile per-packet one-way delay: 45.228 ms

Loss rate: 31.30%

-- Flow 2:

Average throughput: 23.22 Mbit/s

95th percentile per-packet one-way delay: 46.118 ms

Loss rate: 44.47%

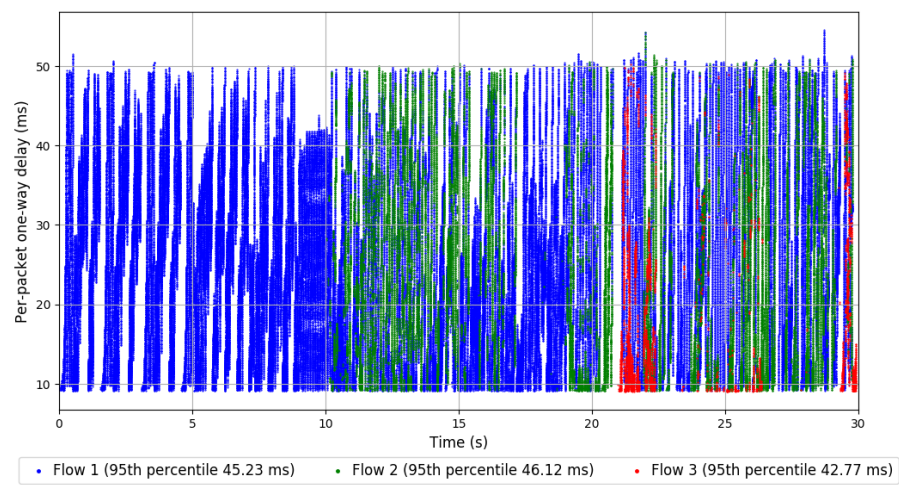
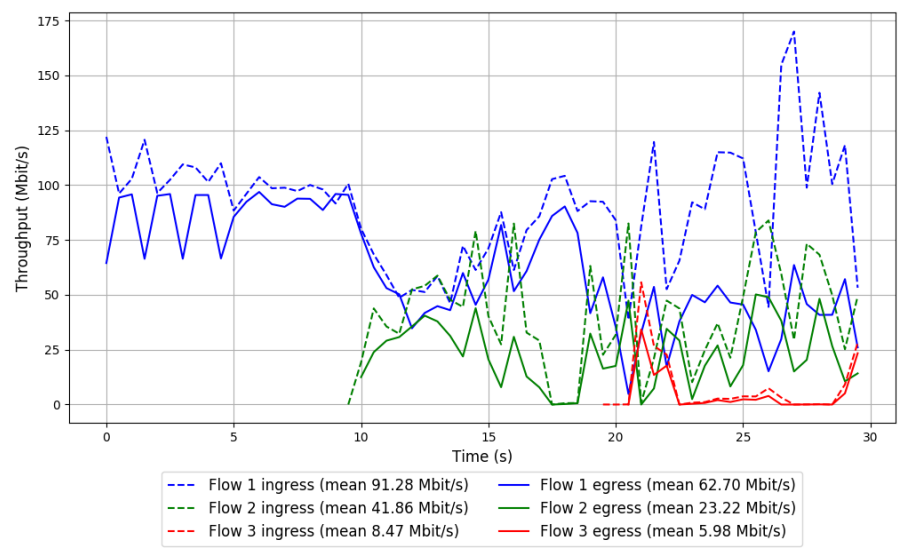
-- Flow 3:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 42.767 ms

Loss rate: 36.47%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Tue, 01 Aug 2017 03:52:10 +0000

End at: Tue, 01 Aug 2017 03:52:40 +0000

Local clock offset: -0.549 ms

Remote clock offset: -3.999 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.32 Mbit/s

95th percentile per-packet one-way delay: 45.200 ms

Loss rate: 32.87%

-- Flow 1:

Average throughput: 42.83 Mbit/s

95th percentile per-packet one-way delay: 44.609 ms

Loss rate: 30.41%

-- Flow 2:

Average throughput: 37.16 Mbit/s

95th percentile per-packet one-way delay: 45.758 ms

Loss rate: 29.24%

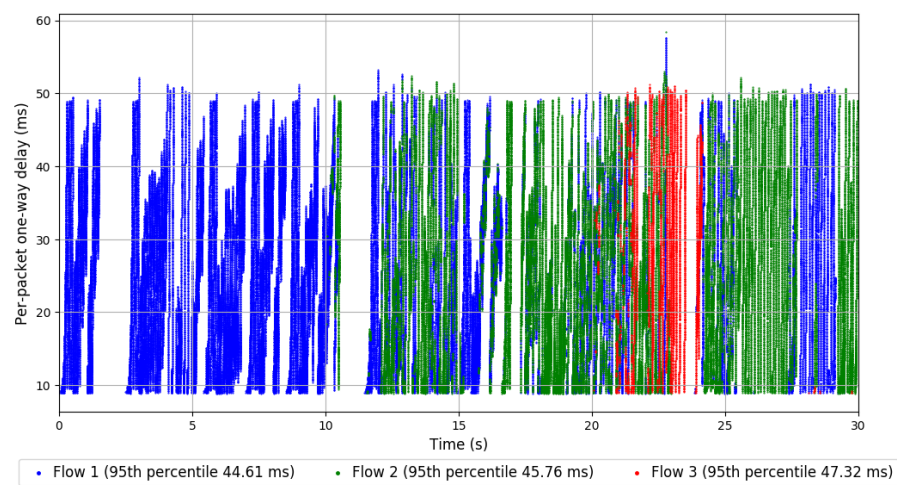
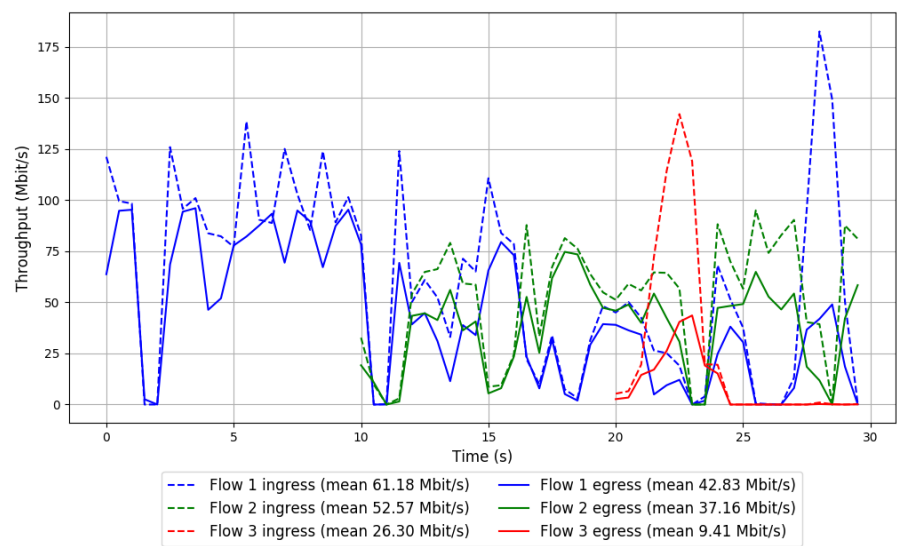
-- Flow 3:

Average throughput: 9.41 Mbit/s

95th percentile per-packet one-way delay: 47.322 ms

Loss rate: 64.87%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Tue, 01 Aug 2017 04:15:19 +0000

End at: Tue, 01 Aug 2017 04:15:49 +0000

Local clock offset: 2.216 ms

Remote clock offset: -1.902 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.01 Mbit/s

95th percentile per-packet one-way delay: 44.406 ms

Loss rate: 33.29%

-- Flow 1:

Average throughput: 52.47 Mbit/s

95th percentile per-packet one-way delay: 43.787 ms

Loss rate: 20.15%

-- Flow 2:

Average throughput: 24.94 Mbit/s

95th percentile per-packet one-way delay: 44.977 ms

Loss rate: 38.26%

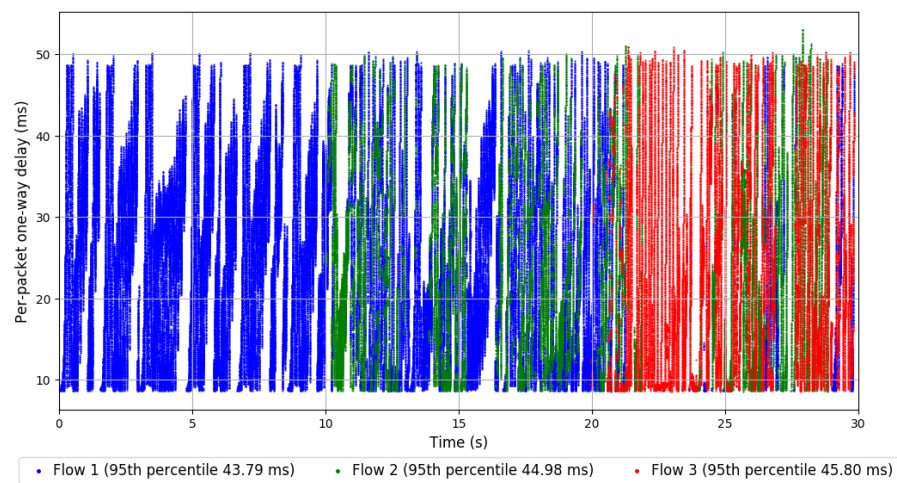
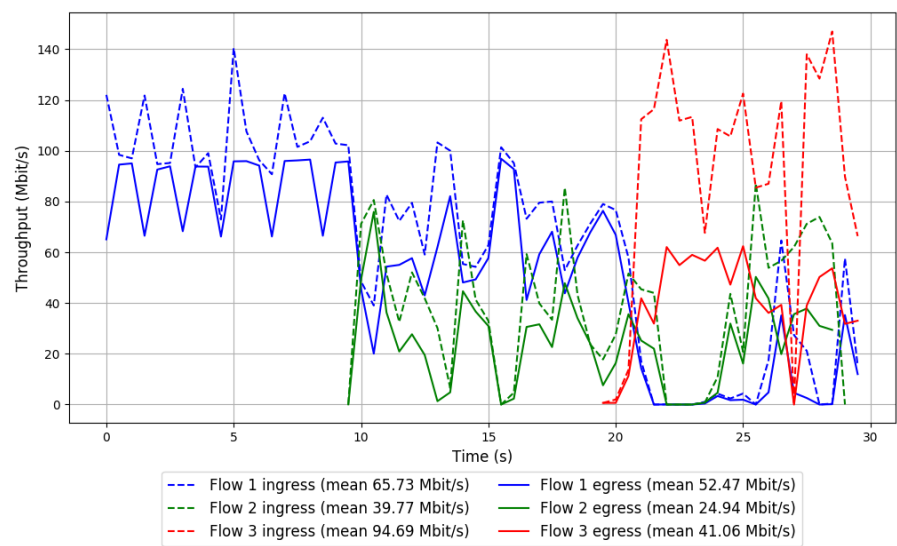
-- Flow 3:

Average throughput: 41.06 Mbit/s

95th percentile per-packet one-way delay: 45.796 ms

Loss rate: 56.63%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

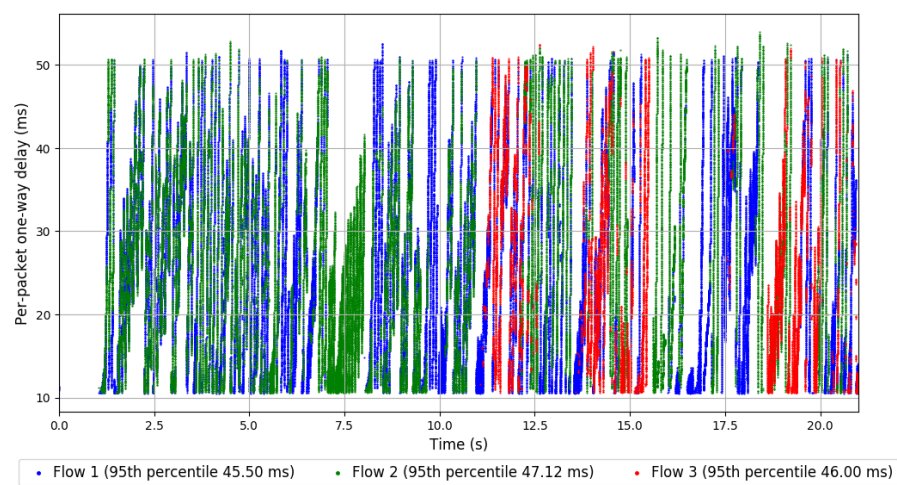
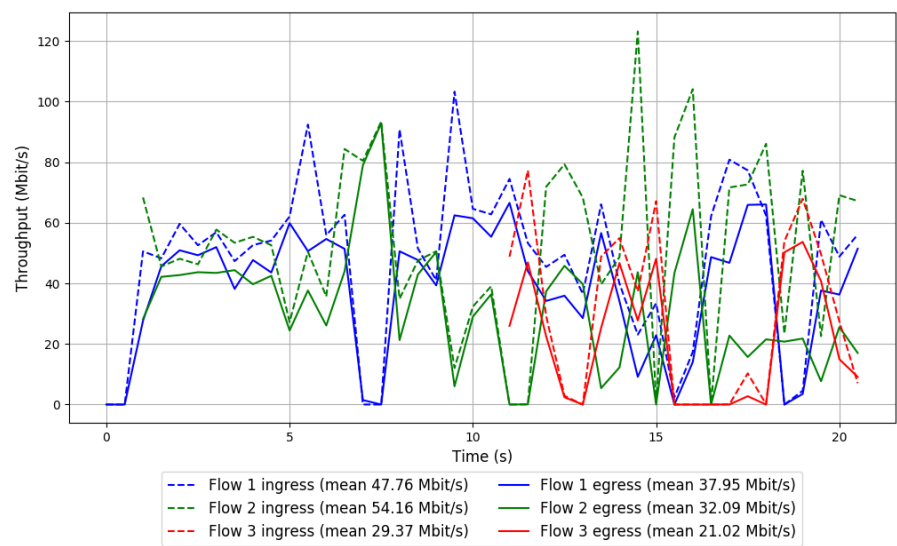
Start at: Tue, 01 Aug 2017 04:34:08 +0000

End at: Tue, 01 Aug 2017 04:34:38 +0000

Local clock offset: -0.704 ms

Remote clock offset: -3.19 ms

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Mon, 31 Jul 2017 23:47:30 +0000

End at: Mon, 31 Jul 2017 23:48:00 +0000

Local clock offset: 1.83 ms

Remote clock offset: -4.089 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.47 Mbit/s

95th percentile per-packet one-way delay: 8.882 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 8.795 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.47 Mbit/s

95th percentile per-packet one-way delay: 8.994 ms

Loss rate: 0.00%

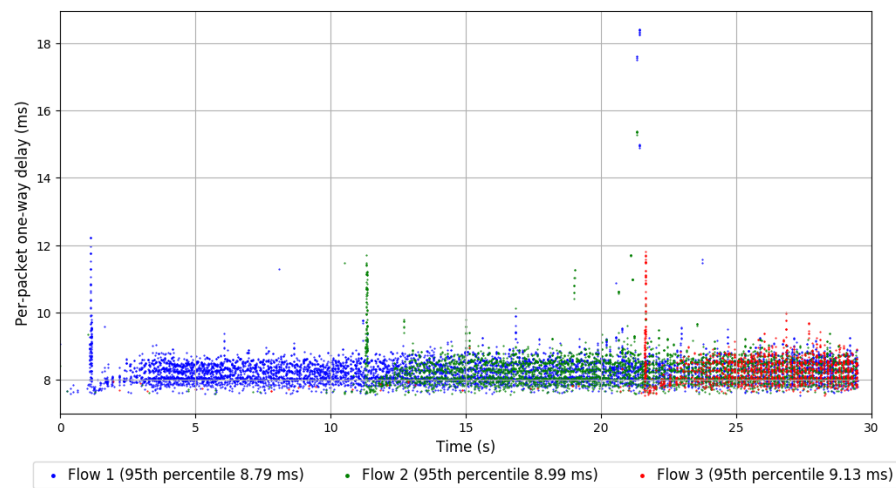
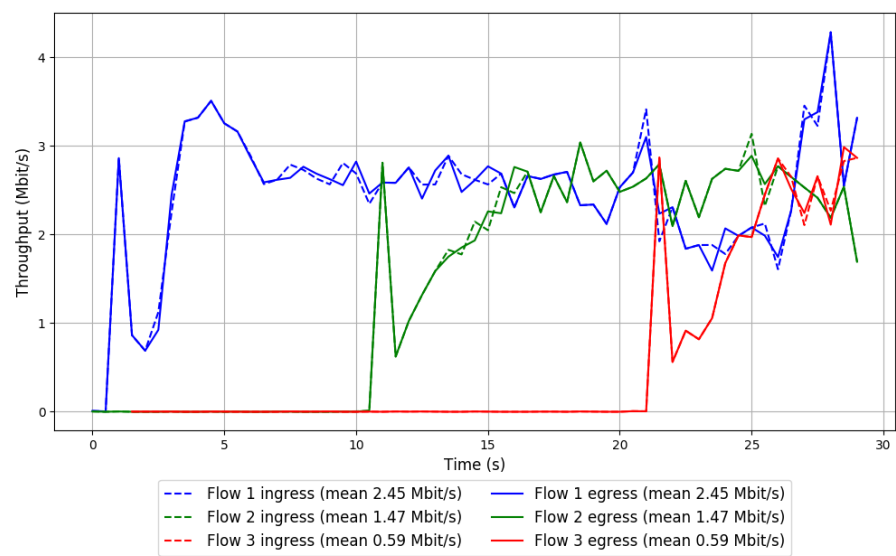
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 9.130 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Tue, 01 Aug 2017 00:05:45 +0000

End at: Tue, 01 Aug 2017 00:06:15 +0000

Local clock offset: 2.355 ms

Remote clock offset: -4.697 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 7.554 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 7.963 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 7.463 ms

Loss rate: 0.00%

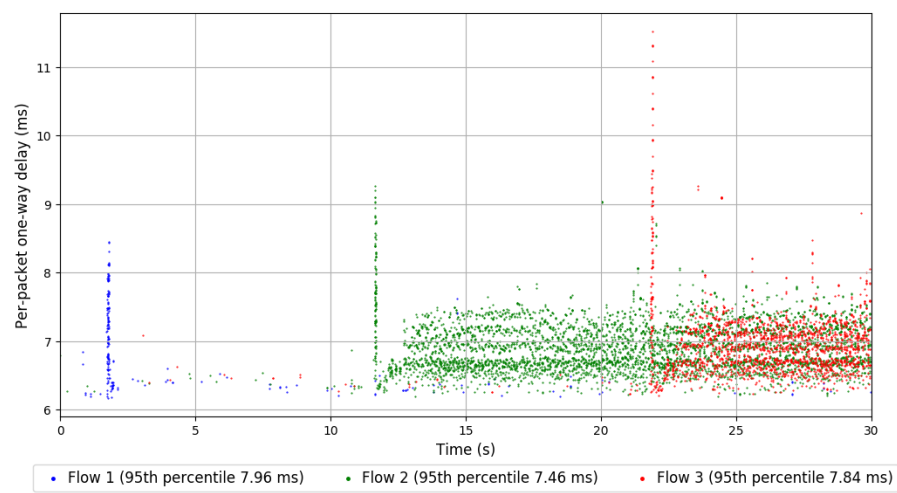
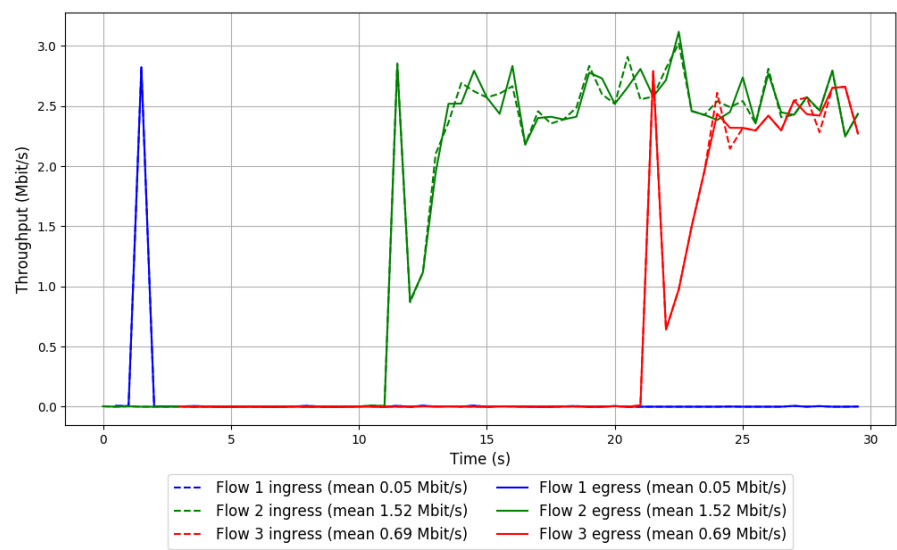
-- Flow 3:

Average throughput: 0.69 Mbit/s

95th percentile per-packet one-way delay: 7.839 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Tue, 01 Aug 2017 00:25:39 +0000

End at: Tue, 01 Aug 2017 00:26:09 +0000

Local clock offset: 4.394 ms

Remote clock offset: -4.244 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 5.852 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 5.842 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 5.738 ms

Loss rate: 0.00%

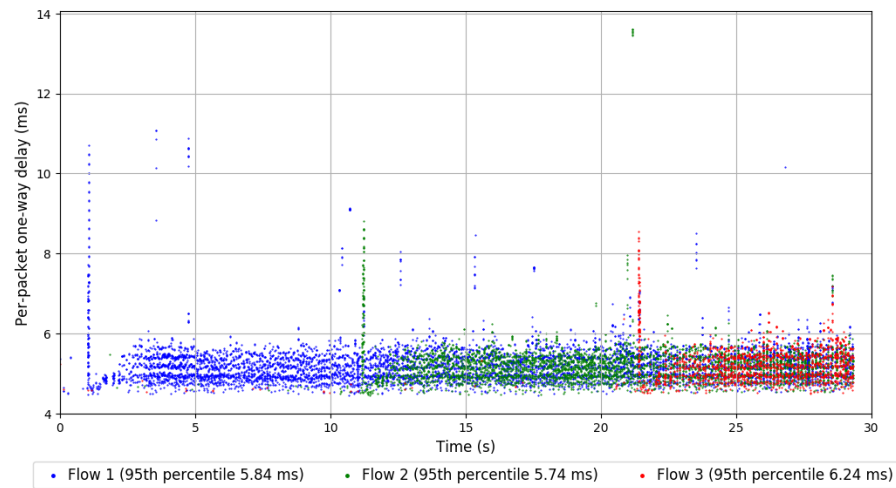
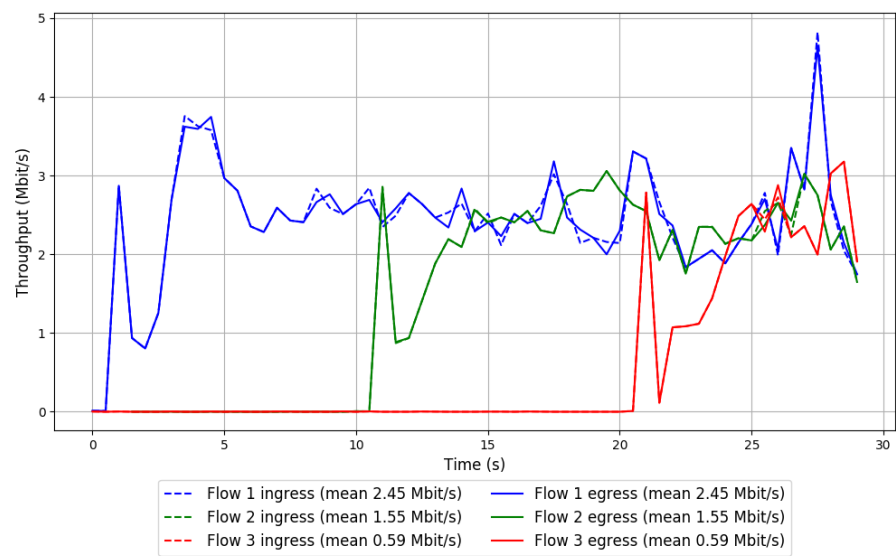
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 6.242 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Tue, 01 Aug 2017 01:14:05 +0000

End at: Tue, 01 Aug 2017 01:14:35 +0000

Local clock offset: 2.545 ms

Remote clock offset: -4.888 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 6.916 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 6.812 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 7.006 ms

Loss rate: 0.00%

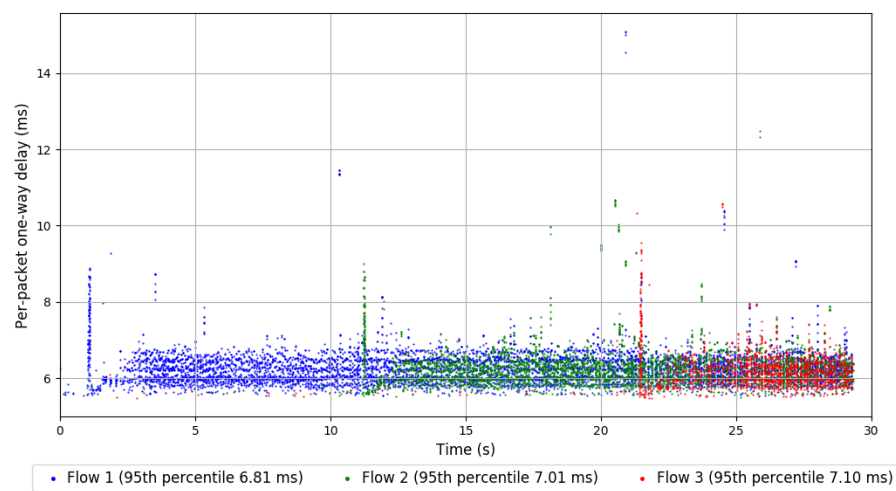
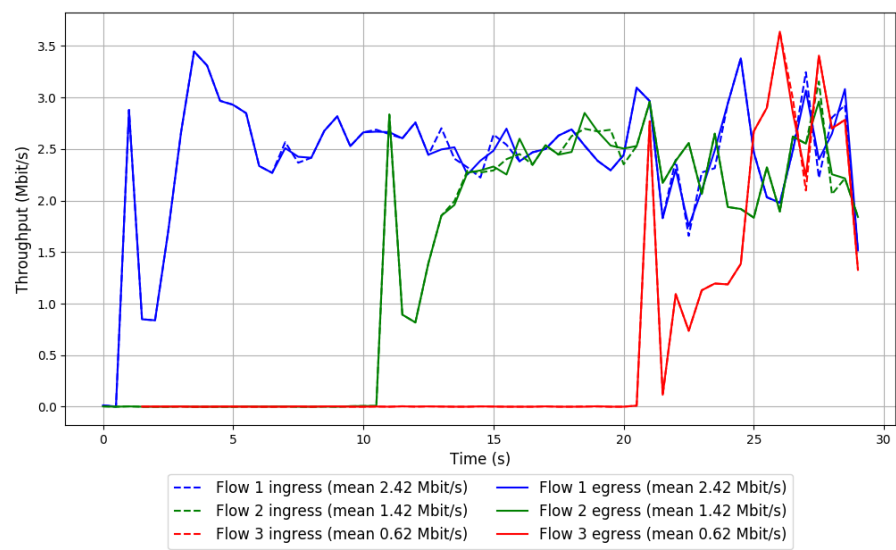
-- Flow 3:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 7.104 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Tue, 01 Aug 2017 01:39:56 +0000

End at: Tue, 01 Aug 2017 01:40:26 +0000

Local clock offset: 1.8 ms

Remote clock offset: -4.064 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.19 Mbit/s

95th percentile per-packet one-way delay: 8.006 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 8.225 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 7.822 ms

Loss rate: 0.00%

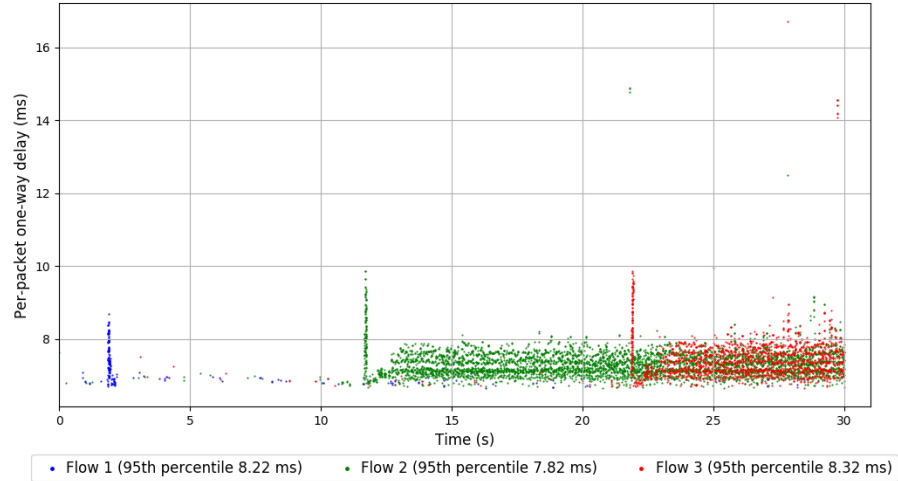
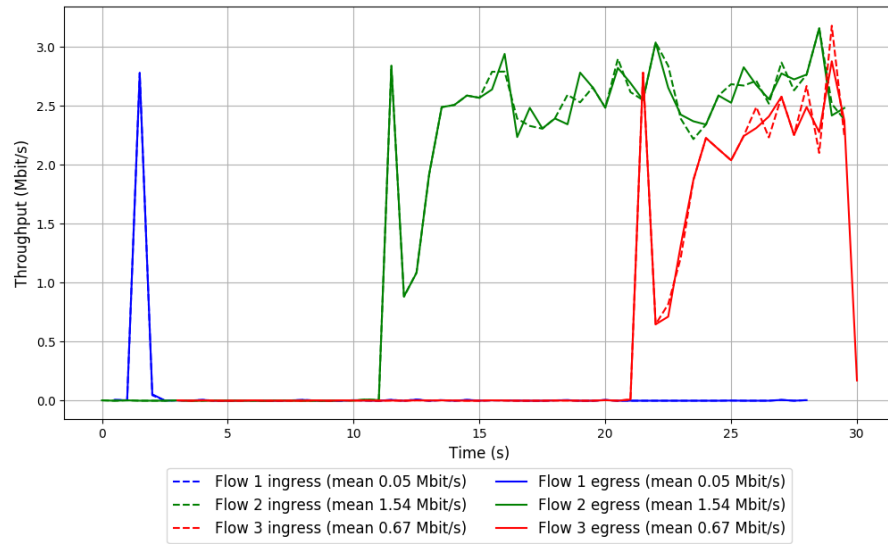
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 8.322 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Tue, 01 Aug 2017 02:18:49 +0000

End at: Tue, 01 Aug 2017 02:19:19 +0000

Local clock offset: 0.144 ms

Remote clock offset: -3.374 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 9.026 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 9.324 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 8.978 ms

Loss rate: 0.00%

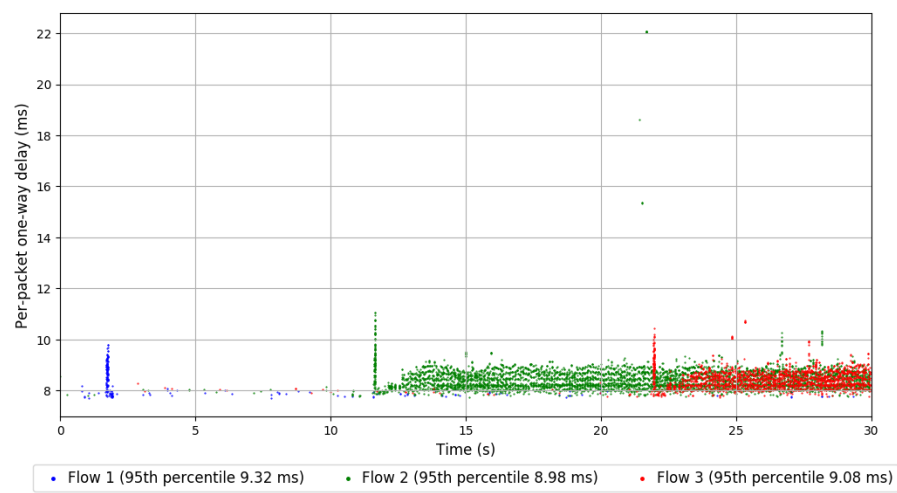
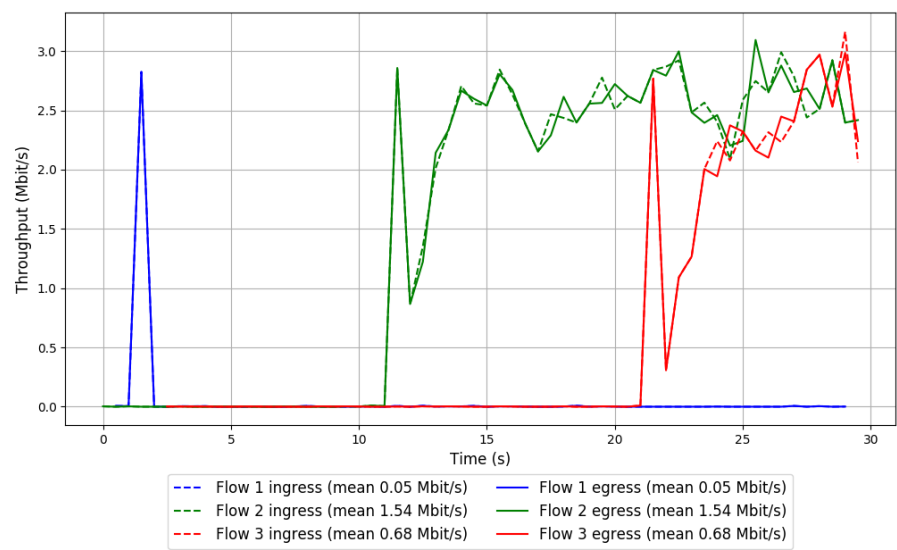
-- Flow 3:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: 9.084 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Tue, 01 Aug 2017 03:09:11 +0000

End at: Tue, 01 Aug 2017 03:09:41 +0000

Local clock offset: 1.086 ms

Remote clock offset: -5.219 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 6.881 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 8.362 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 6.797 ms

Loss rate: 0.00%

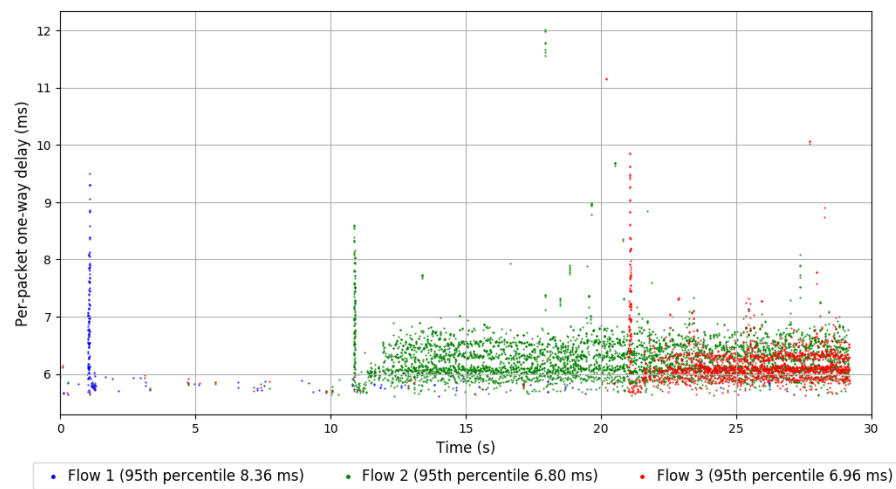
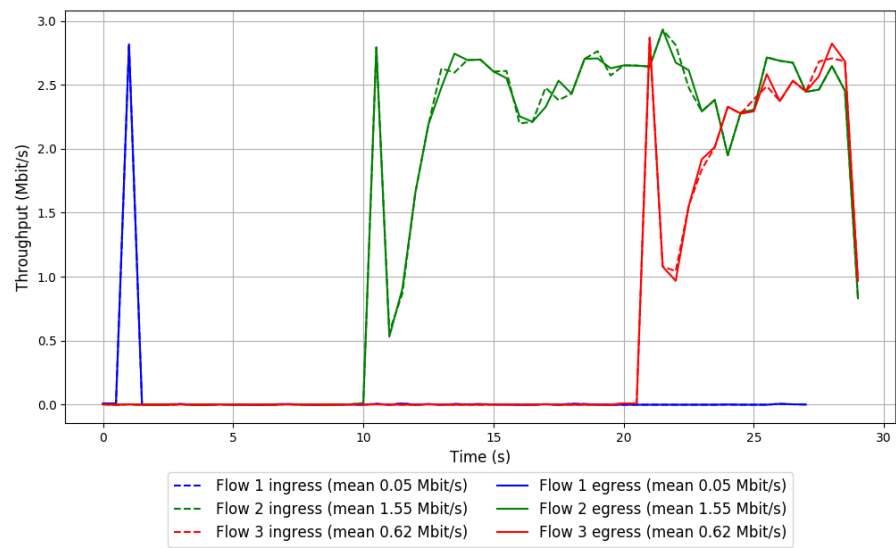
-- Flow 3:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 6.955 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Tue, 01 Aug 2017 03:57:04 +0000

End at: Tue, 01 Aug 2017 03:57:34 +0000

Local clock offset: 1.907 ms

Remote clock offset: -5.096 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.50 Mbit/s

95th percentile per-packet one-way delay: 6.561 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 6.509 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 6.568 ms

Loss rate: 0.00%

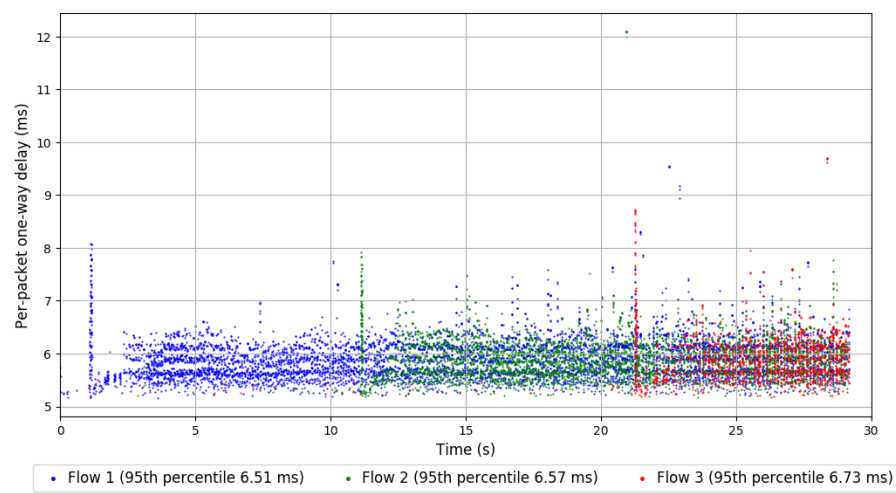
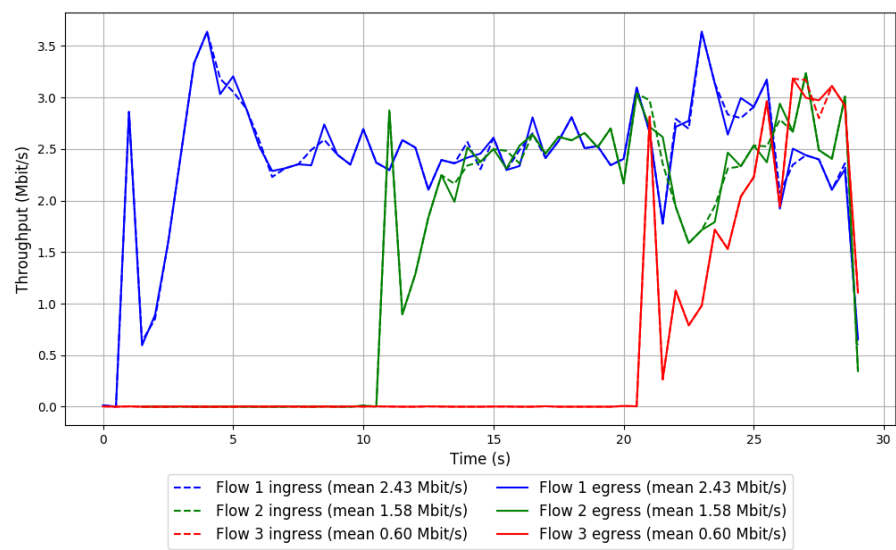
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 6.727 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Tue, 01 Aug 2017 04:17:47 +0000

End at: Tue, 01 Aug 2017 04:18:17 +0000

Local clock offset: 2.347 ms

Remote clock offset: -2.003 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 9.427 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 10.003 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.52 Mbit/s

95th percentile per-packet one-way delay: 9.370 ms

Loss rate: 0.00%

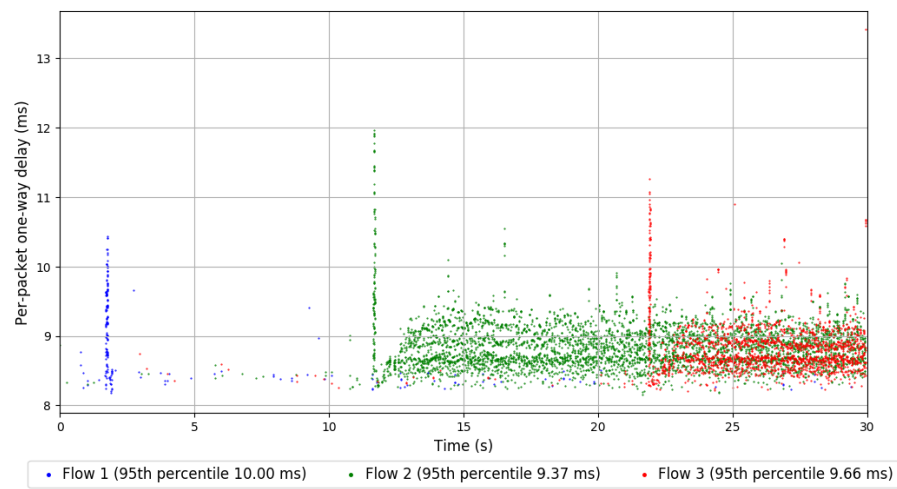
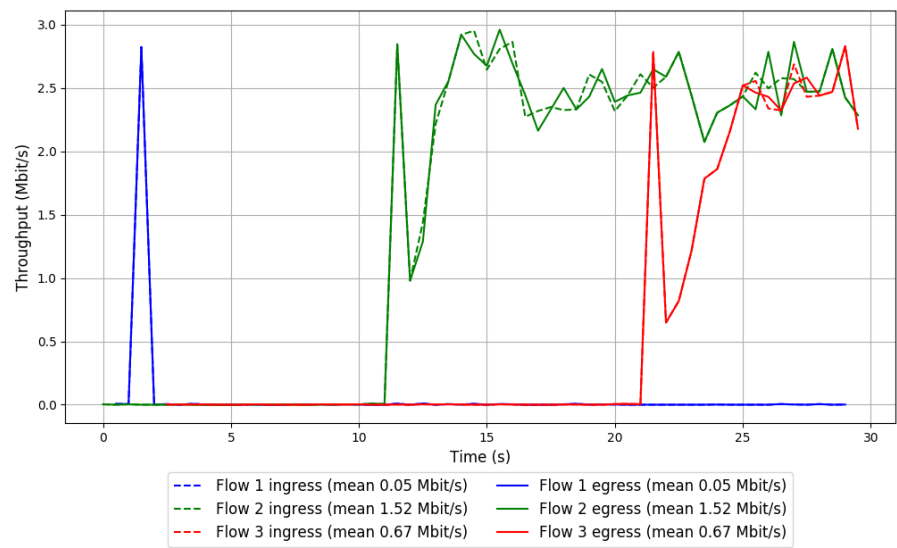
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 9.661 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Tue, 01 Aug 2017 04:36:43 +0000

End at: Tue, 01 Aug 2017 04:37:13 +0000

Local clock offset: 2.27 ms

Remote clock offset: -3.176 ms

Below is generated by plot.py at Tue, 01 Aug 2017 08:34:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.38 Mbit/s

95th percentile per-packet one-way delay: 8.935 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.45 Mbit/s

95th percentile per-packet one-way delay: 8.799 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.55 Mbit/s

95th percentile per-packet one-way delay: 8.921 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 12.902 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

