

Pantheon Summary (Generated at Sat, 01 Jul 2017 16:20:31 +0000 with pantheon version 55ce618ef3153403f57ca06ffe894ed6887bd36f)

Repeated the test of 15 congestion control schemes 10 times.

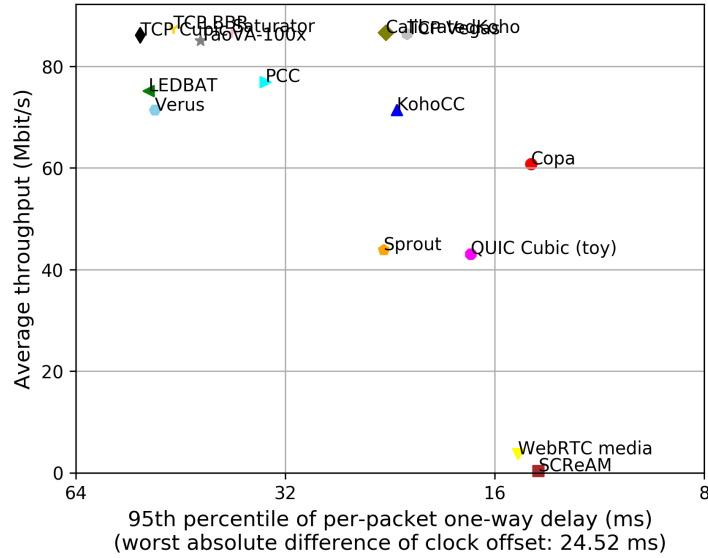
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

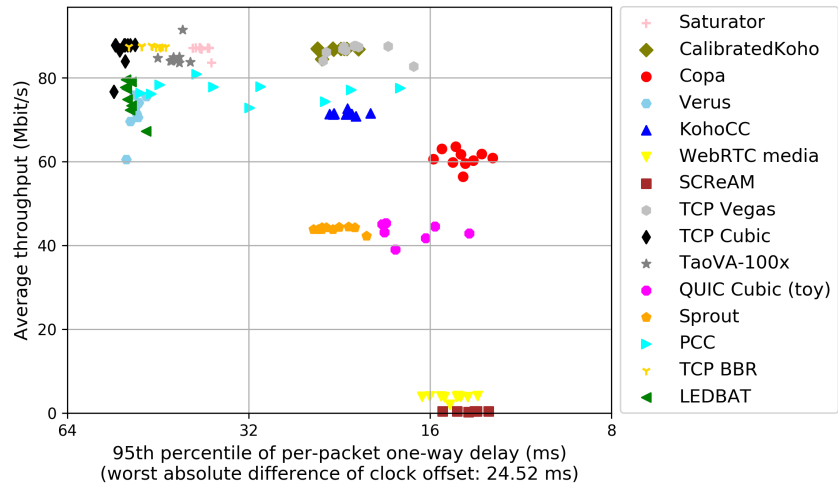
NTP offset measured against nets.org.sg.

```
git branch: master @ 55ce618ef3153403f57ca06ffe894ed6887bd36f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ c792f8e8e0704b1646a0e024766675d8e9a835f1
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quick @ 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
```

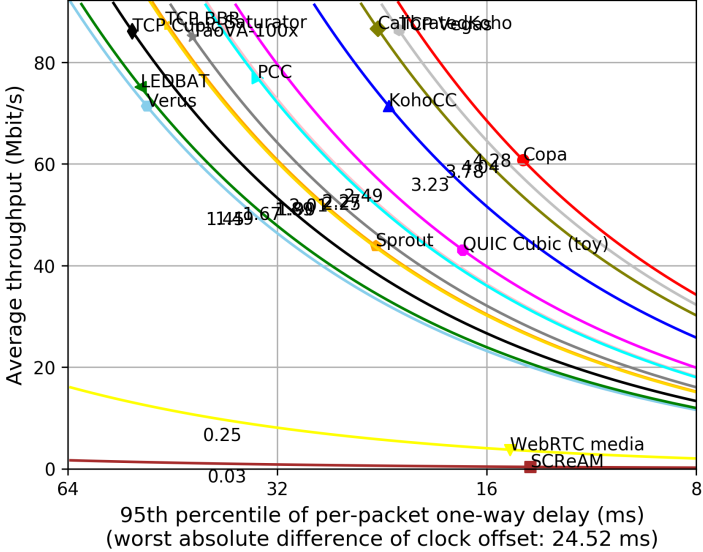
test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
mean of all runs by scheme



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



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



Run 1: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 09:24:08 +0000

End at: Sat, 01 Jul 2017 09:24:38 +0000

Local clock offset: 0.805 ms

Remote clock offset: -19.395 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:07:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 45.090 ms

Loss rate: 2.08%

-- Flow 1:

Average throughput: 46.91 Mbit/s

95th percentile per-packet one-way delay: 44.007 ms

Loss rate: 1.08%

-- Flow 2:

Average throughput: 27.88 Mbit/s

95th percentile per-packet one-way delay: 45.712 ms

Loss rate: 2.73%

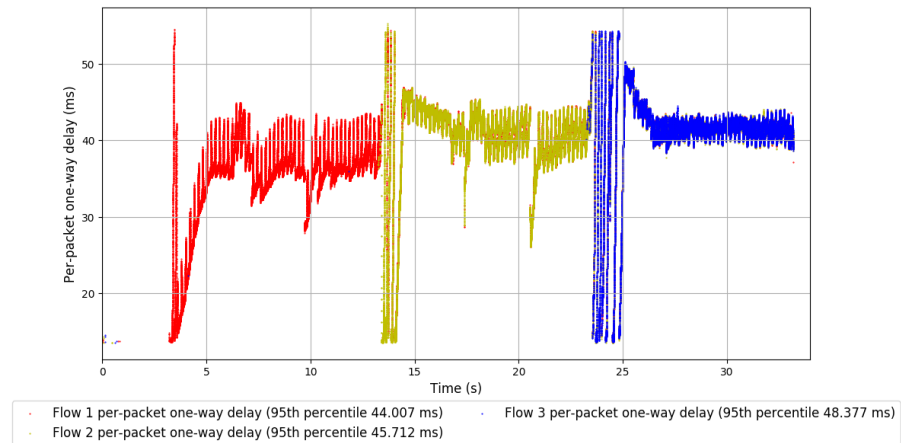
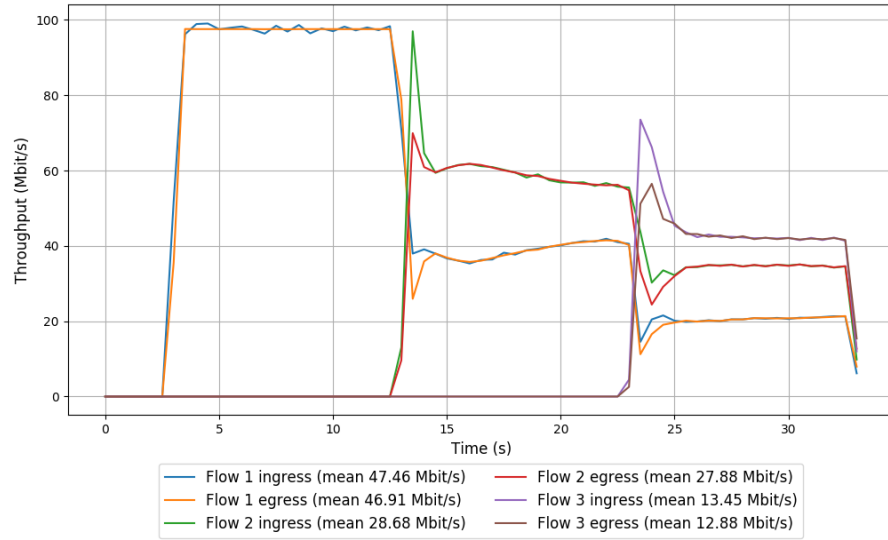
-- Flow 3:

Average throughput: 12.88 Mbit/s

95th percentile per-packet one-way delay: 48.377 ms

Loss rate: 4.18%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 09:42:51 +0000

End at: Sat, 01 Jul 2017 09:43:21 +0000

Local clock offset: 3.965 ms

Remote clock offset: -19.048 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:07:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.65 Mbit/s

95th percentile per-packet one-way delay: 48.227 ms

Loss rate: 1.99%

-- Flow 1:

Average throughput: 45.15 Mbit/s

95th percentile per-packet one-way delay: 45.118 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 29.16 Mbit/s

95th percentile per-packet one-way delay: 48.581 ms

Loss rate: 2.41%

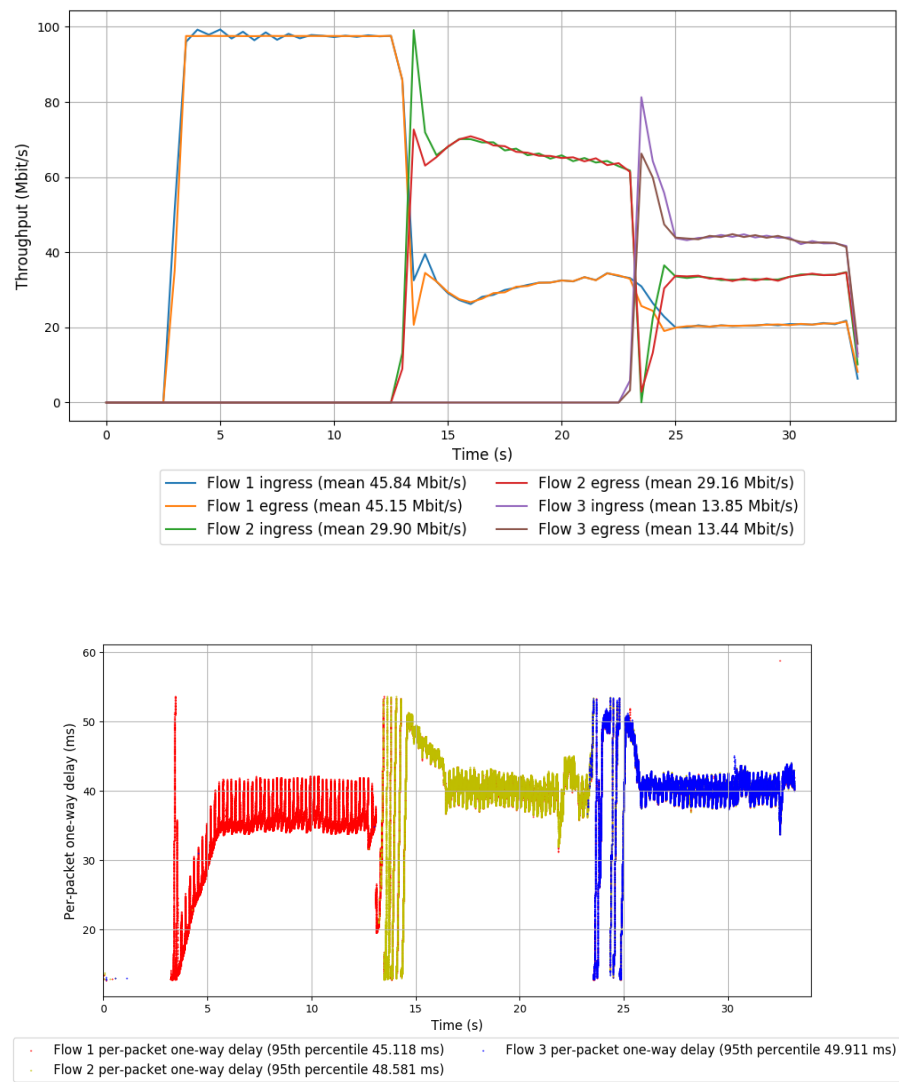
-- Flow 3:

Average throughput: 13.44 Mbit/s

95th percentile per-packet one-way delay: 49.911 ms

Loss rate: 2.90%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

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

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

Local clock offset: 0.449 ms

Remote clock offset: -18.503 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:07:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 44.488 ms

Loss rate: 2.46%

-- Flow 1:

Average throughput: 48.01 Mbit/s

95th percentile per-packet one-way delay: 44.148 ms

Loss rate: 1.21%

-- Flow 2:

Average throughput: 25.95 Mbit/s

95th percentile per-packet one-way delay: 44.534 ms

Loss rate: 2.87%

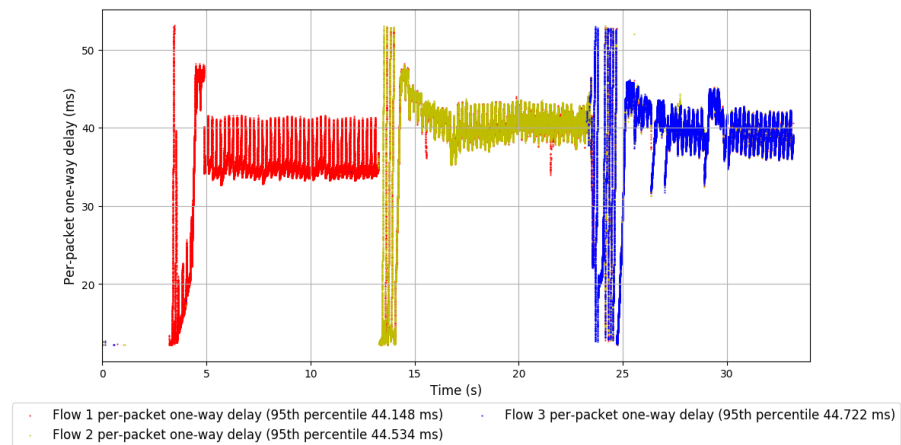
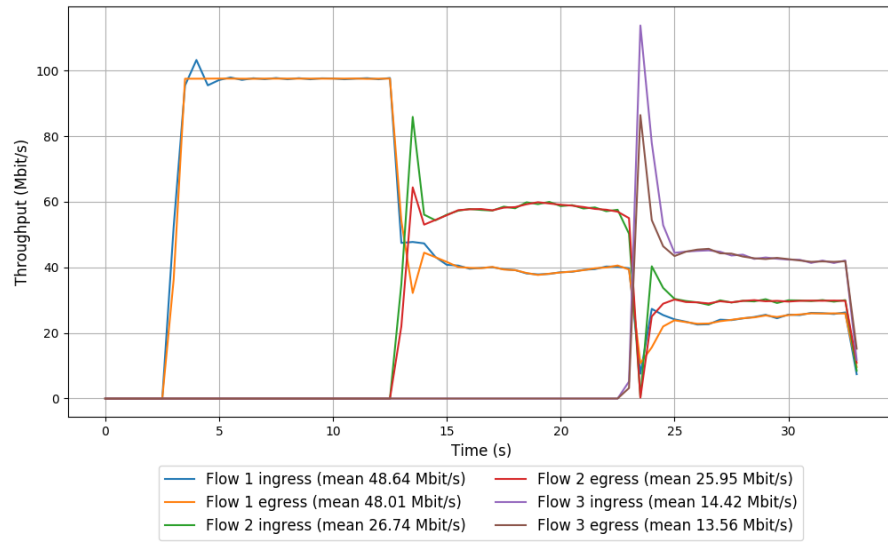
-- Flow 3:

Average throughput: 13.56 Mbit/s

95th percentile per-packet one-way delay: 44.722 ms

Loss rate: 5.92%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 10:19:37 +0000

End at: Sat, 01 Jul 2017 10:20:07 +0000

Local clock offset: 1.678 ms

Remote clock offset: -19.898 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.42 Mbit/s

95th percentile per-packet one-way delay: 48.194 ms

Loss rate: 2.04%

-- Flow 1:

Average throughput: 46.69 Mbit/s

95th percentile per-packet one-way delay: 45.294 ms

Loss rate: 1.23%

-- Flow 2:

Average throughput: 26.03 Mbit/s

95th percentile per-packet one-way delay: 48.206 ms

Loss rate: 2.62%

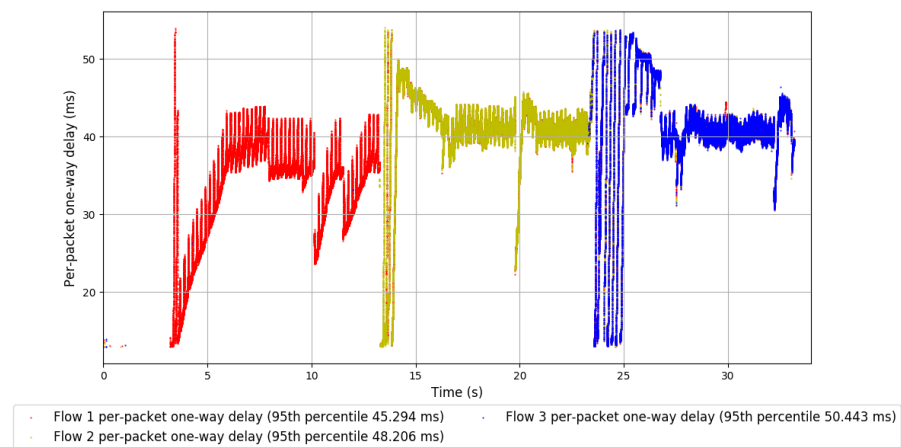
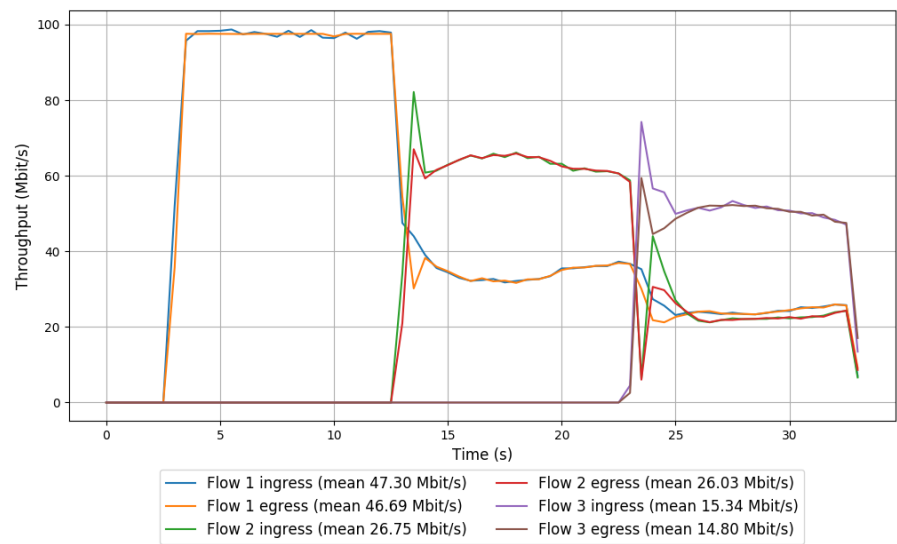
-- Flow 3:

Average throughput: 14.80 Mbit/s

95th percentile per-packet one-way delay: 50.443 ms

Loss rate: 3.51%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 10:37:51 +0000

End at: Sat, 01 Jul 2017 10:38:21 +0000

Local clock offset: -0.4 ms

Remote clock offset: -19.295 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:07:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 46.277 ms

Loss rate: 2.44%

-- Flow 1:

Average throughput: 45.98 Mbit/s

95th percentile per-packet one-way delay: 45.460 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 26.59 Mbit/s

95th percentile per-packet one-way delay: 48.106 ms

Loss rate: 3.42%

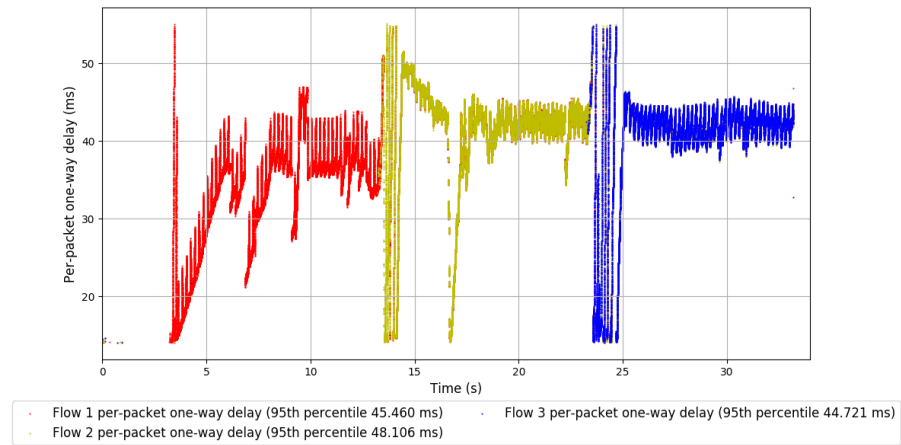
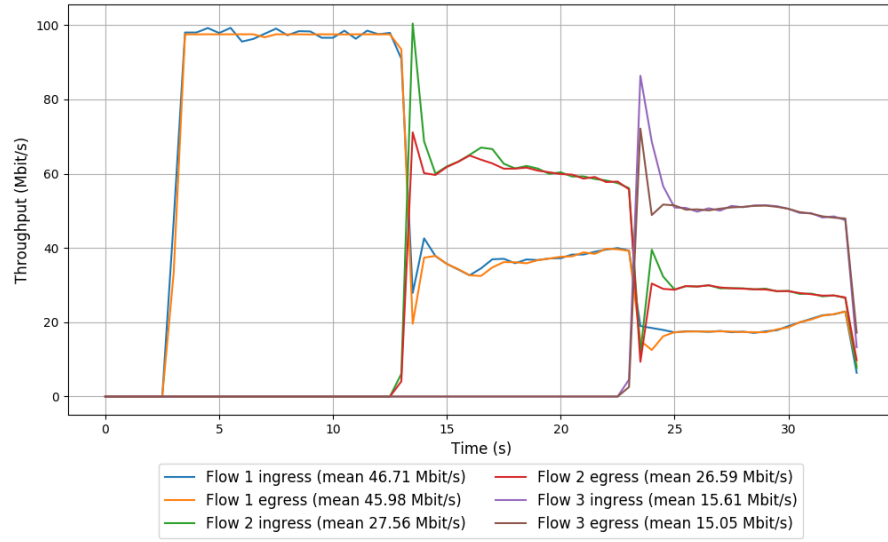
-- Flow 3:

Average throughput: 15.05 Mbit/s

95th percentile per-packet one-way delay: 44.721 ms

Loss rate: 3.54%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 10:56:14 +0000

End at: Sat, 01 Jul 2017 10:56:44 +0000

Local clock offset: -1.664 ms

Remote clock offset: -20.219 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:07:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.69 Mbit/s

95th percentile per-packet one-way delay: 46.420 ms

Loss rate: 2.34%

-- Flow 1:

Average throughput: 51.43 Mbit/s

95th percentile per-packet one-way delay: 45.903 ms

Loss rate: 1.58%

-- Flow 2:

Average throughput: 23.14 Mbit/s

95th percentile per-packet one-way delay: 47.363 ms

Loss rate: 3.02%

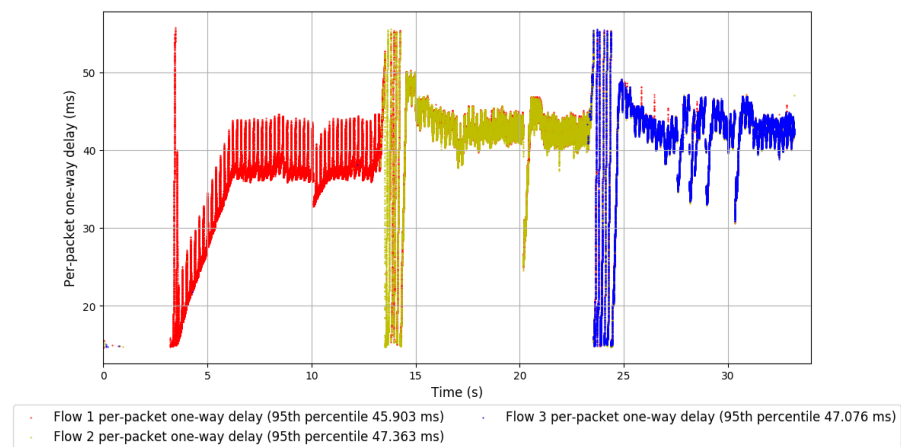
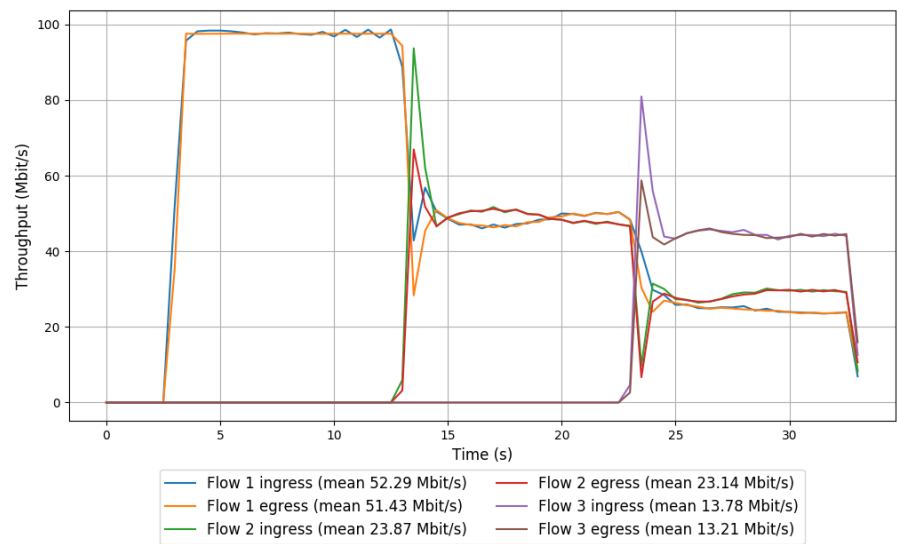
-- Flow 3:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 47.076 ms

Loss rate: 4.06%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 11:14:30 +0000

End at: Sat, 01 Jul 2017 11:15:00 +0000

Local clock offset: -0.779 ms

Remote clock offset: -21.666 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:07:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.31 Mbit/s

95th percentile per-packet one-way delay: 45.634 ms

Loss rate: 1.84%

-- Flow 1:

Average throughput: 45.73 Mbit/s

95th percentile per-packet one-way delay: 44.843 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 46.829 ms

Loss rate: 2.99%

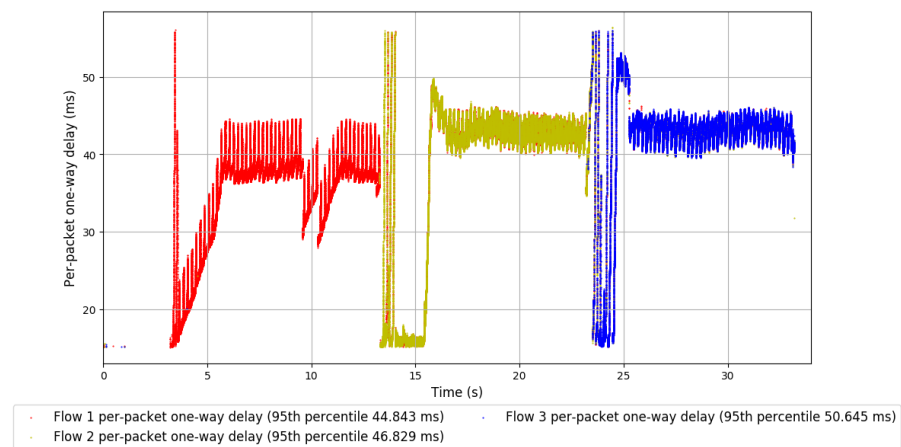
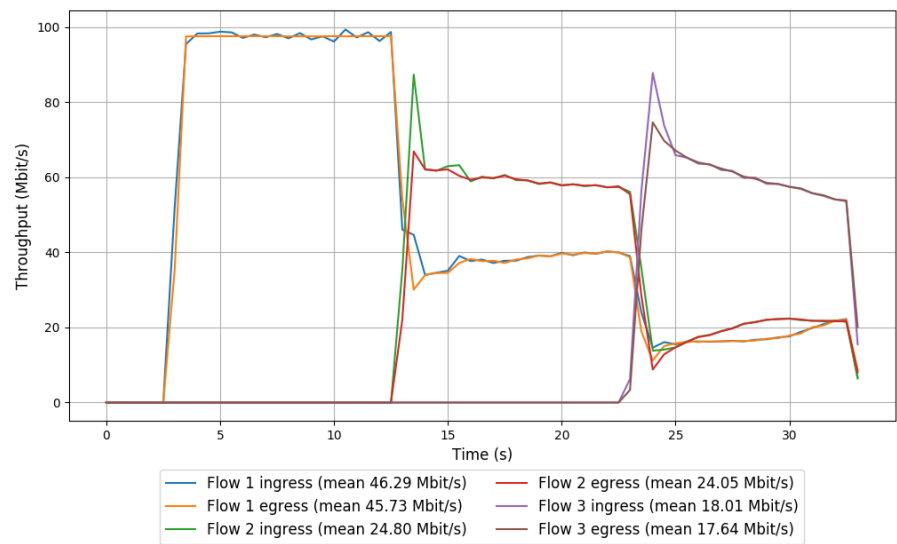
-- Flow 3:

Average throughput: 17.64 Mbit/s

95th percentile per-packet one-way delay: 50.645 ms

Loss rate: 1.97%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 11:32:55 +0000

End at: Sat, 01 Jul 2017 11:33:25 +0000

Local clock offset: -3.687 ms

Remote clock offset: -19.678 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:07:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.45 Mbit/s

95th percentile per-packet one-way delay: 50.586 ms

Loss rate: 2.08%

-- Flow 1:

Average throughput: 52.17 Mbit/s

95th percentile per-packet one-way delay: 46.698 ms

Loss rate: 1.35%

-- Flow 2:

Average throughput: 21.88 Mbit/s

95th percentile per-packet one-way delay: 50.700 ms

Loss rate: 3.09%

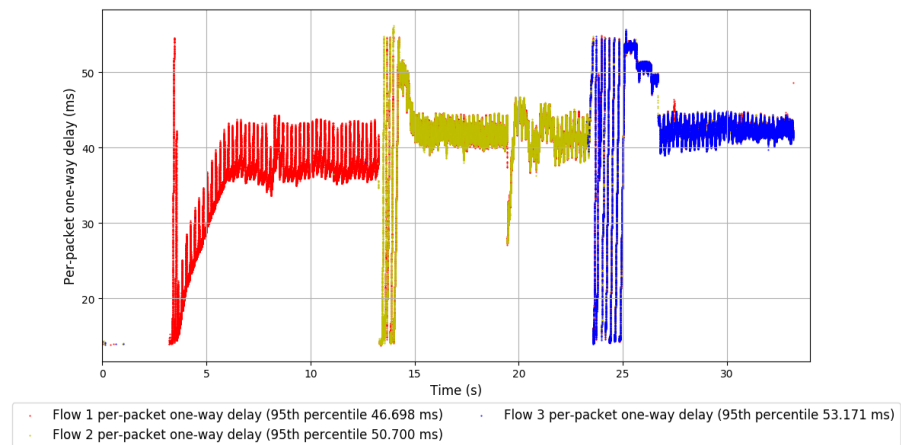
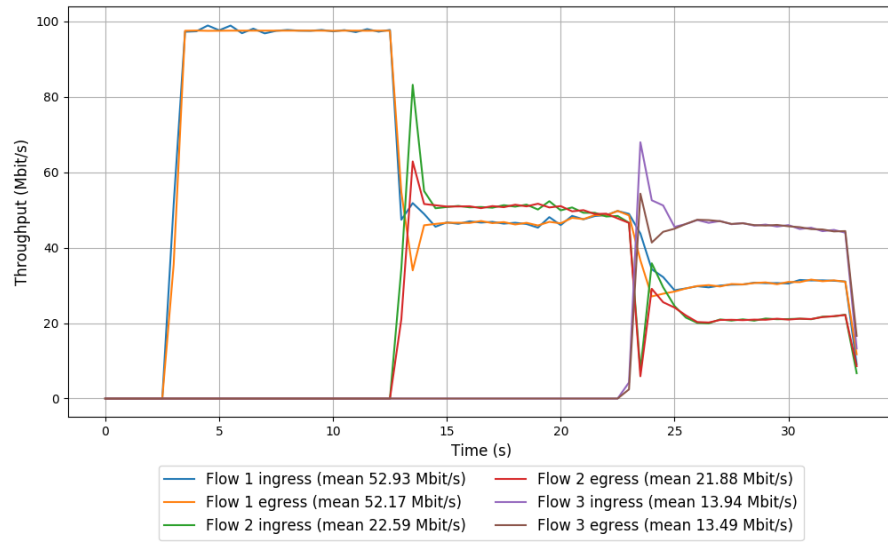
-- Flow 3:

Average throughput: 13.49 Mbit/s

95th percentile per-packet one-way delay: 53.171 ms

Loss rate: 3.19%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 11:51:07 +0000

End at: Sat, 01 Jul 2017 11:51:37 +0000

Local clock offset: -3.531 ms

Remote clock offset: -20.948 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:08:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.36 Mbit/s

95th percentile per-packet one-way delay: 43.977 ms

Loss rate: 2.17%

-- Flow 1:

Average throughput: 48.55 Mbit/s

95th percentile per-packet one-way delay: 43.377 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 23.48 Mbit/s

95th percentile per-packet one-way delay: 44.036 ms

Loss rate: 2.81%

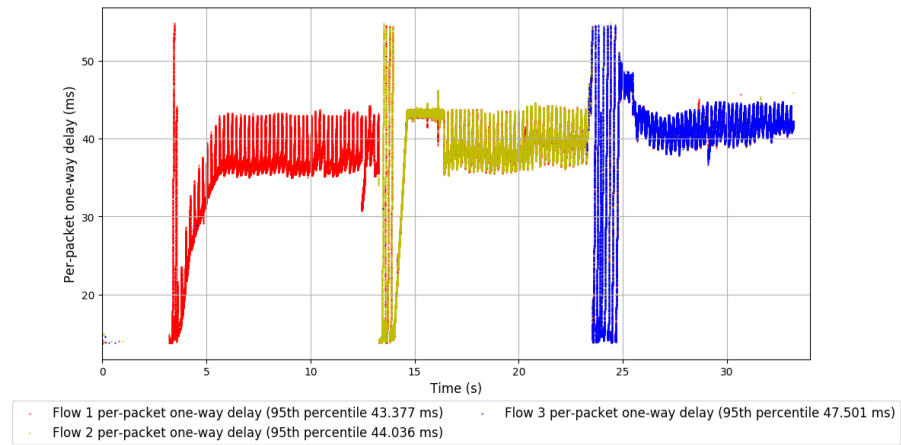
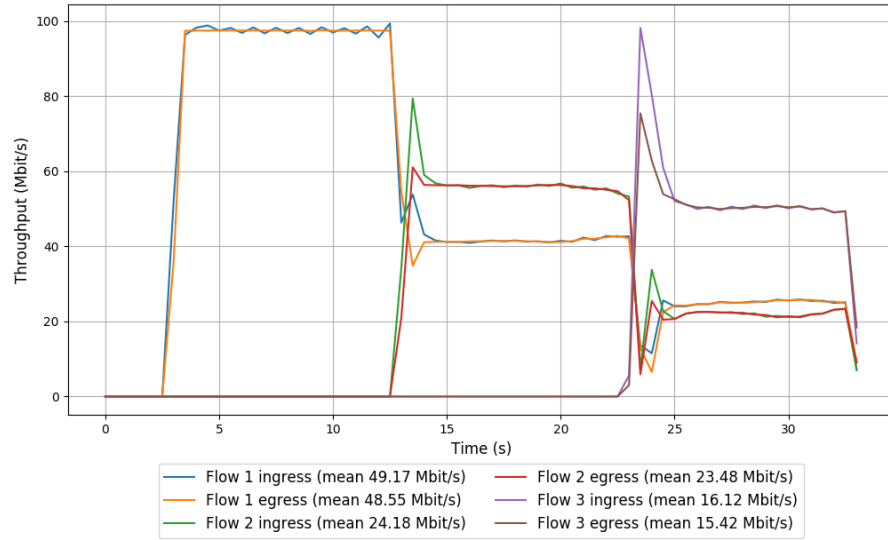
-- Flow 3:

Average throughput: 15.42 Mbit/s

95th percentile per-packet one-way delay: 47.501 ms

Loss rate: 4.22%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 12:09:29 +0000

End at: Sat, 01 Jul 2017 12:09:59 +0000

Local clock offset: 2.611 ms

Remote clock offset: -19.231 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:08:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.18 Mbit/s

95th percentile per-packet one-way delay: 44.878 ms

Loss rate: 2.11%

-- Flow 1:

Average throughput: 48.43 Mbit/s

95th percentile per-packet one-way delay: 43.334 ms

Loss rate: 1.32%

-- Flow 2:

Average throughput: 24.15 Mbit/s

95th percentile per-packet one-way delay: 44.682 ms

Loss rate: 3.12%

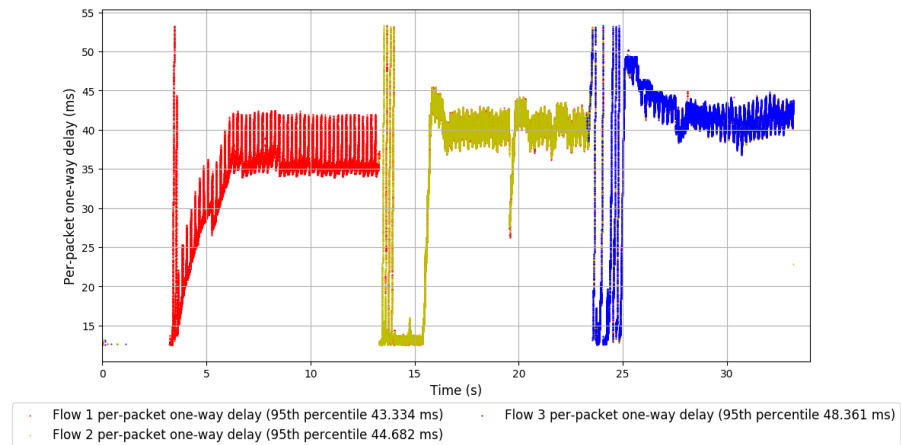
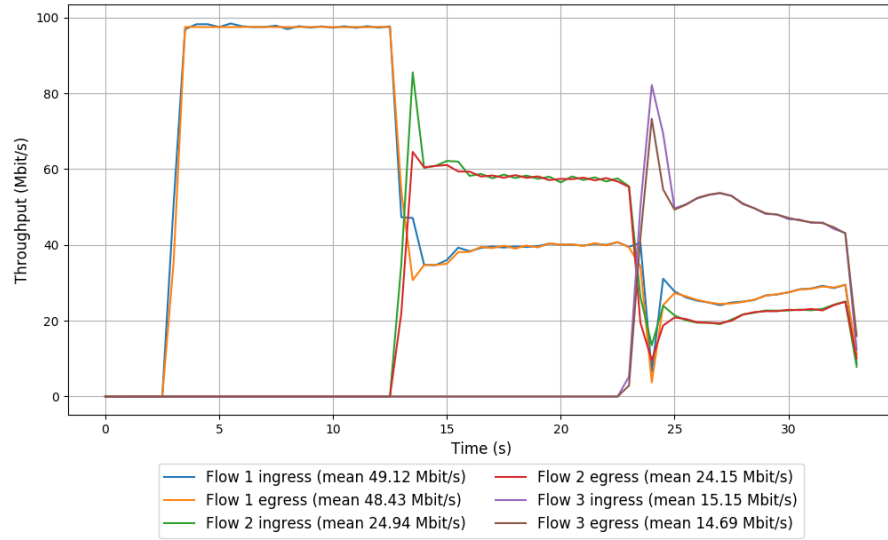
-- Flow 3:

Average throughput: 14.69 Mbit/s

95th percentile per-packet one-way delay: 48.361 ms

Loss rate: 2.98%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 09:11:47 +0000

End at: Sat, 01 Jul 2017 09:12:17 +0000

Local clock offset: 4.003 ms

Remote clock offset: -20.517 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:08:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.04 Mbit/s

95th percentile per-packet one-way delay: 23.199 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 31.81 Mbit/s

95th percentile per-packet one-way delay: 21.761 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 31.08 Mbit/s

95th percentile per-packet one-way delay: 22.949 ms

Loss rate: 0.04%

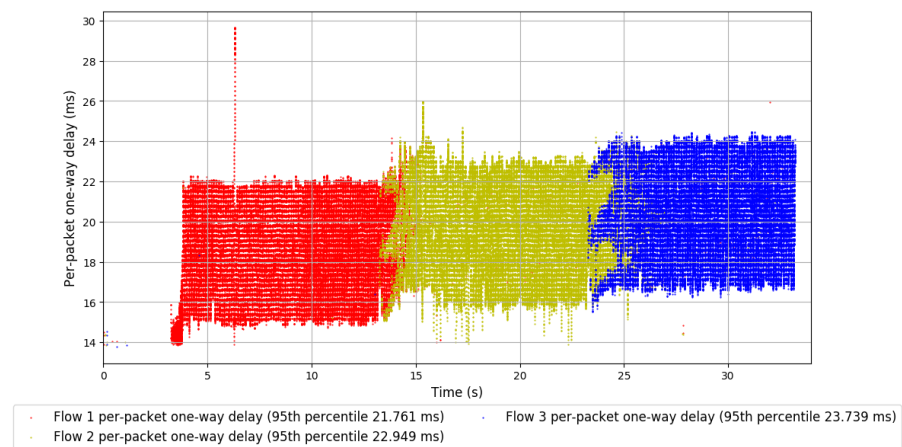
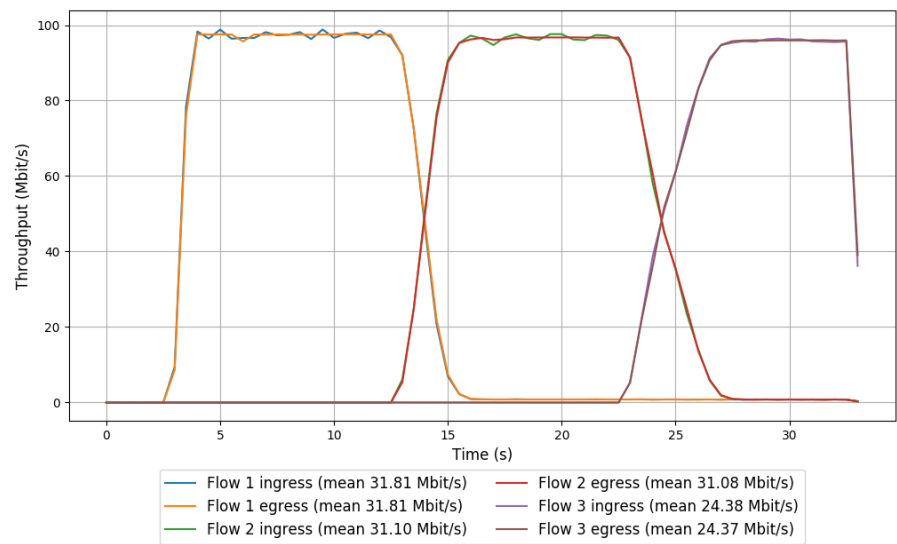
-- Flow 3:

Average throughput: 24.37 Mbit/s

95th percentile per-packet one-way delay: 23.739 ms

Loss rate: 0.02%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 09:30:27 +0000

End at: Sat, 01 Jul 2017 09:30:57 +0000

Local clock offset: 0.341 ms

Remote clock offset: -19.105 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:08:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 22.227 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 21.877 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.82 Mbit/s

95th percentile per-packet one-way delay: 22.028 ms

Loss rate: 0.00%

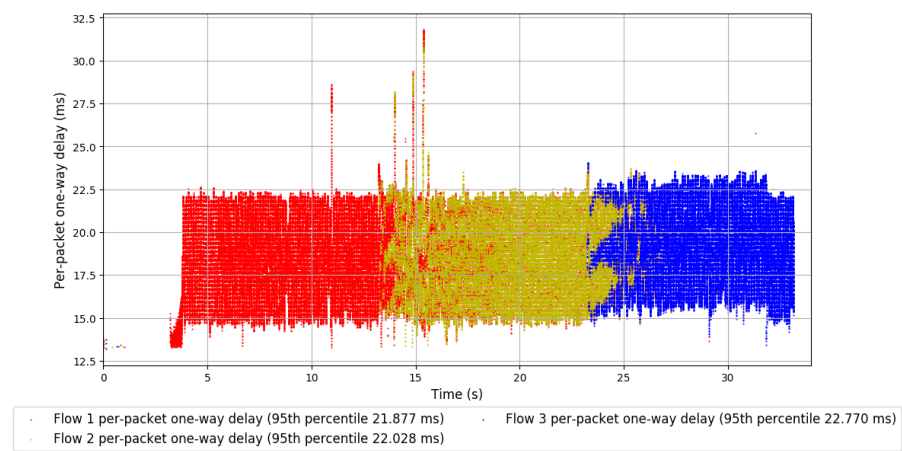
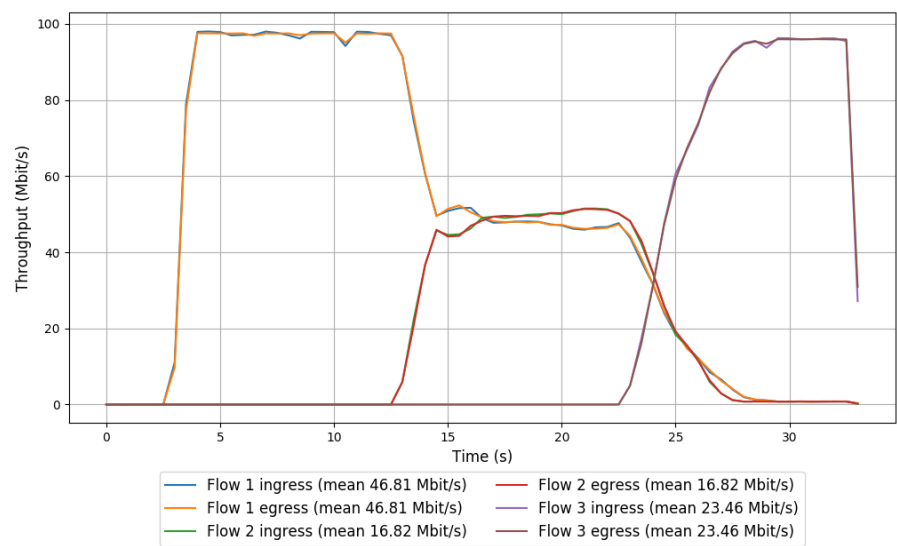
-- Flow 3:

Average throughput: 23.46 Mbit/s

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

Loss rate: 0.00%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 09:49:02 +0000

End at: Sat, 01 Jul 2017 09:49:32 +0000

Local clock offset: 3.421 ms

Remote clock offset: -20.049 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:08:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 22.504 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.14 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.53 Mbit/s

95th percentile per-packet one-way delay: 21.858 ms

Loss rate: 0.00%

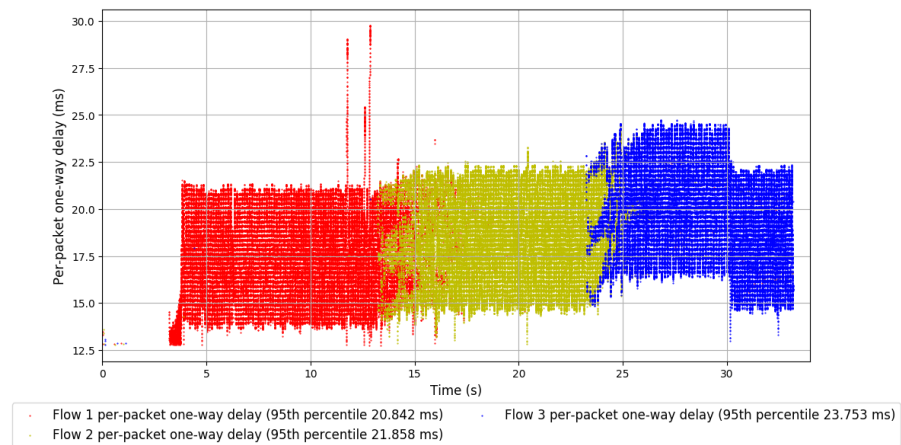
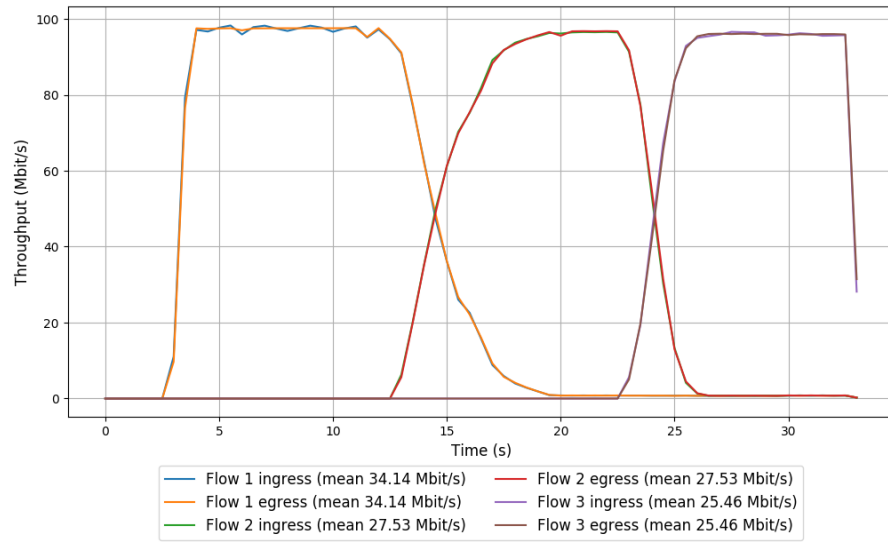
-- Flow 3:

Average throughput: 25.46 Mbit/s

95th percentile per-packet one-way delay: 23.753 ms

Loss rate: 0.00%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 10:07:30 +0000

End at: Sat, 01 Jul 2017 10:08:00 +0000

Local clock offset: -2.516 ms

Remote clock offset: -17.572 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:08:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.85 Mbit/s

95th percentile per-packet one-way delay: 21.044 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 57.09 Mbit/s

95th percentile per-packet one-way delay: 20.908 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.00 Mbit/s

95th percentile per-packet one-way delay: 21.023 ms

Loss rate: 0.00%

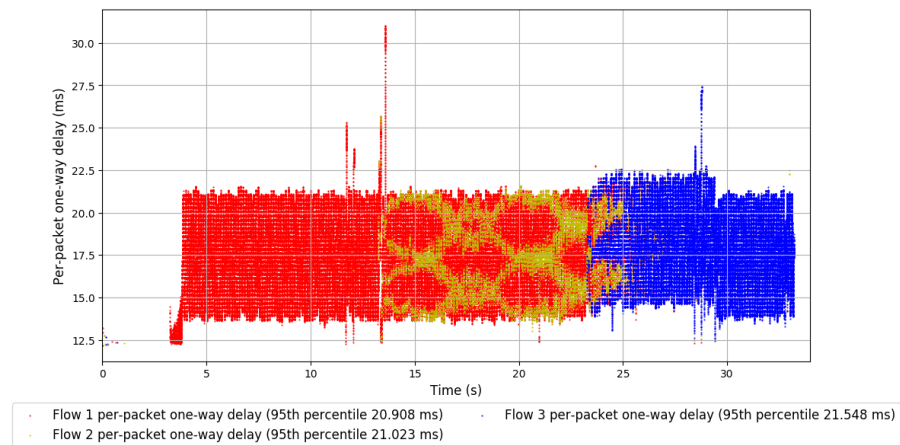
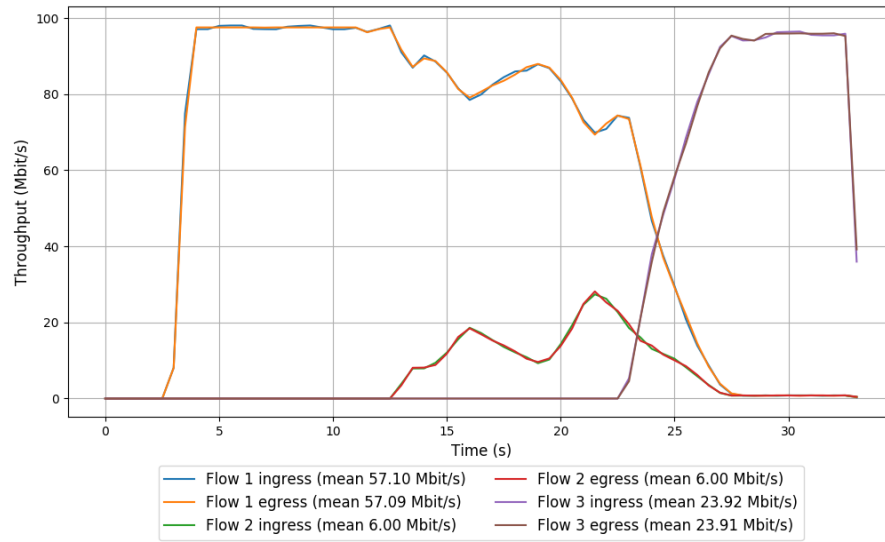
-- Flow 3:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 21.548 ms

Loss rate: 0.01%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 10:25:46 +0000

End at: Sat, 01 Jul 2017 10:26:16 +0000

Local clock offset: 0.269 ms

Remote clock offset: -18.658 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:08:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.97 Mbit/s

95th percentile per-packet one-way delay: 22.020 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 38.60 Mbit/s

95th percentile per-packet one-way delay: 21.914 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 27.27 Mbit/s

95th percentile per-packet one-way delay: 22.262 ms

Loss rate: 0.03%

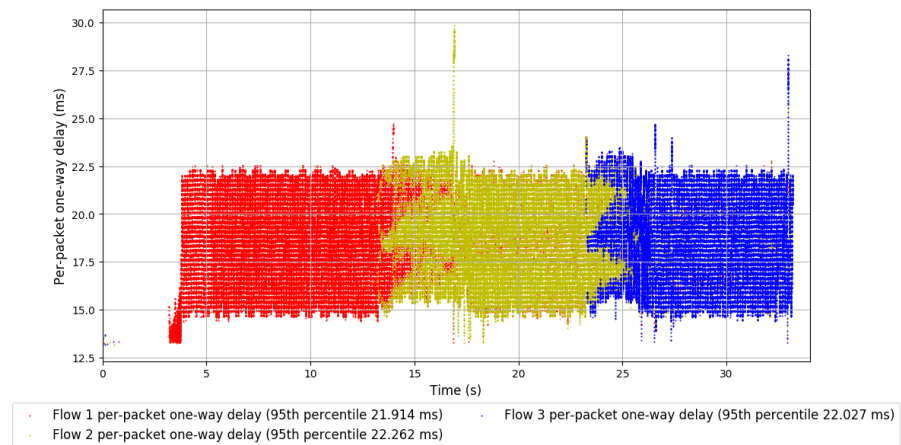
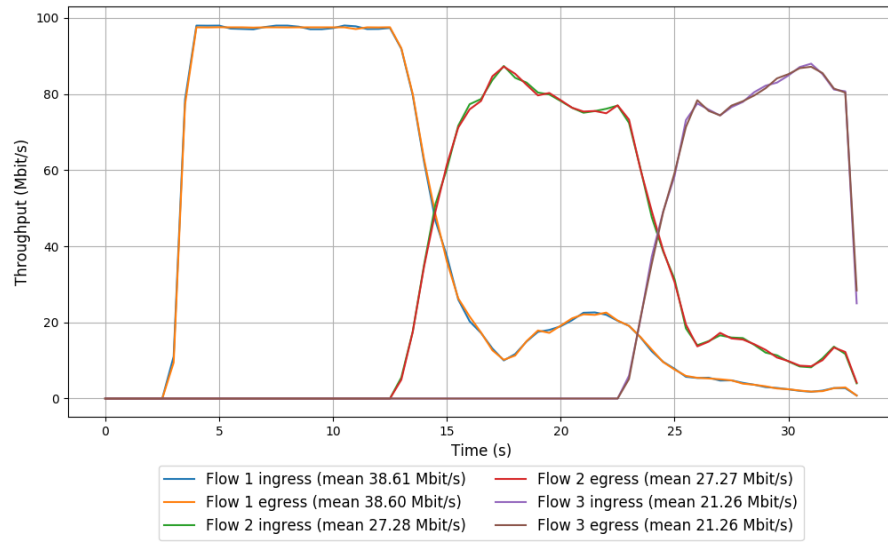
-- Flow 3:

Average throughput: 21.26 Mbit/s

95th percentile per-packet one-way delay: 22.027 ms

Loss rate: 0.00%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

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

End at: Sat, 01 Jul 2017 10:44:31 +0000

Local clock offset: -3.896 ms

Remote clock offset: -19.769 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:08:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.01 Mbit/s

95th percentile per-packet one-way delay: 24.627 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 31.02 Mbit/s

95th percentile per-packet one-way delay: 22.882 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 37.26 Mbit/s

95th percentile per-packet one-way delay: 25.035 ms

Loss rate: 0.28%

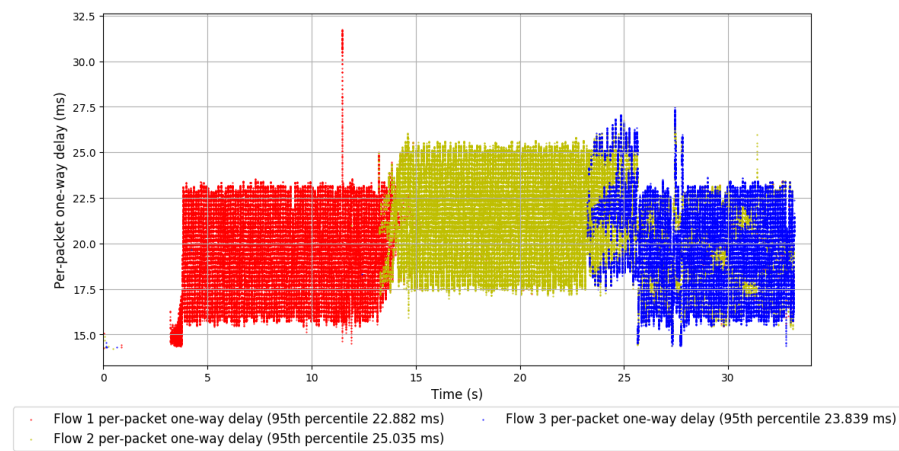
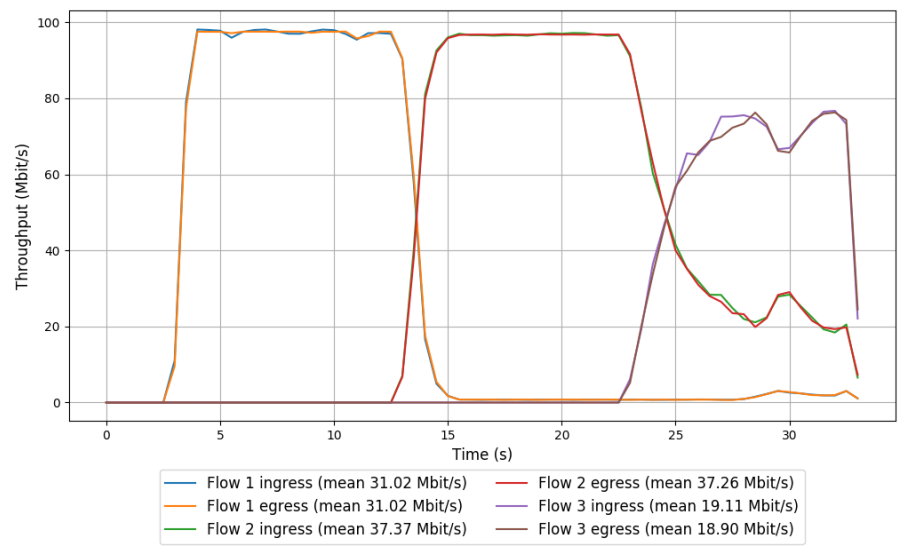
-- Flow 3:

Average throughput: 18.90 Mbit/s

95th percentile per-packet one-way delay: 23.839 ms

Loss rate: 1.07%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:02:17 +0000

End at: Sat, 01 Jul 2017 11:02:47 +0000

Local clock offset: -1.025 ms

Remote clock offset: -22.813 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:08:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.47 Mbit/s

95th percentile per-packet one-way delay: 24.213 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.01 Mbit/s

95th percentile per-packet one-way delay: 23.955 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.24 Mbit/s

95th percentile per-packet one-way delay: 24.511 ms

Loss rate: 0.00%

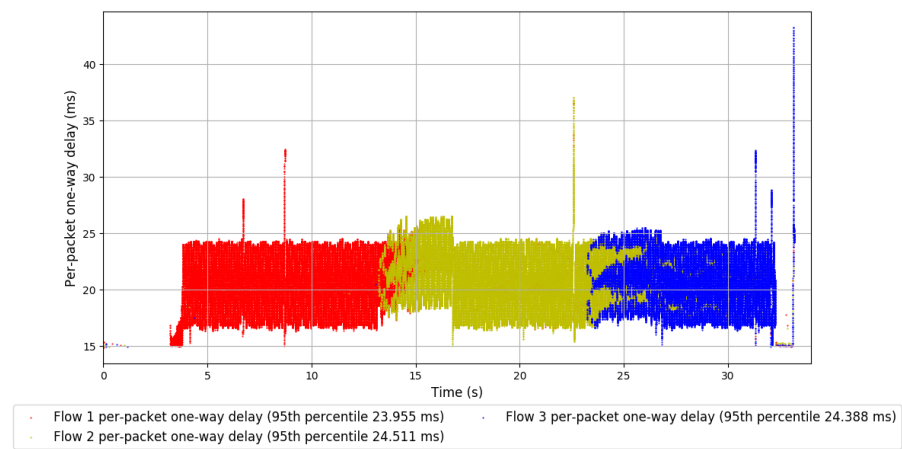
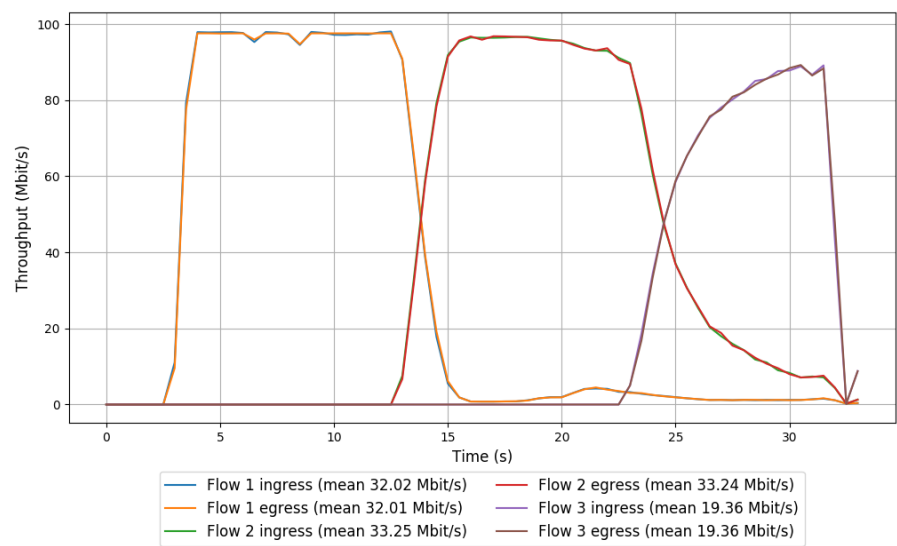
-- Flow 3:

Average throughput: 19.36 Mbit/s

95th percentile per-packet one-way delay: 24.388 ms

Loss rate: 0.00%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:20:38 +0000

End at: Sat, 01 Jul 2017 11:21:08 +0000

Local clock offset: -0.339 ms

Remote clock offset: -21.605 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:08:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.88 Mbit/s

95th percentile per-packet one-way delay: 24.584 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 34.14 Mbit/s

95th percentile per-packet one-way delay: 23.889 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 38.44 Mbit/s

95th percentile per-packet one-way delay: 24.838 ms

Loss rate: 0.00%

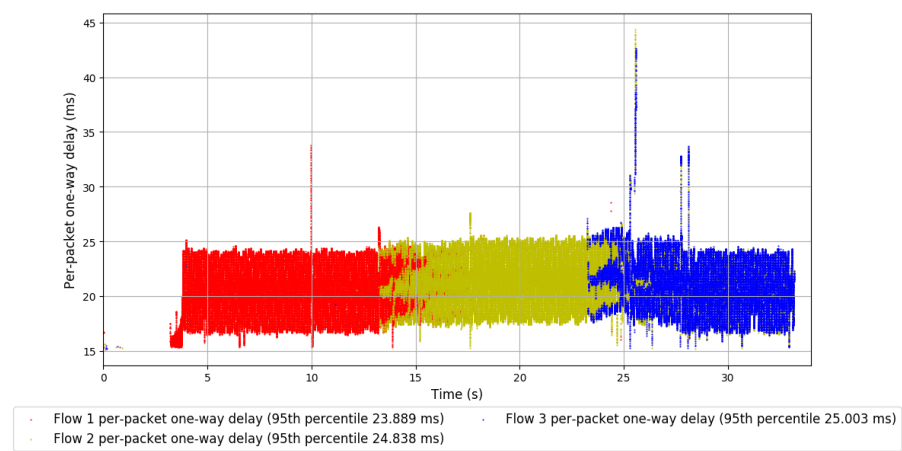
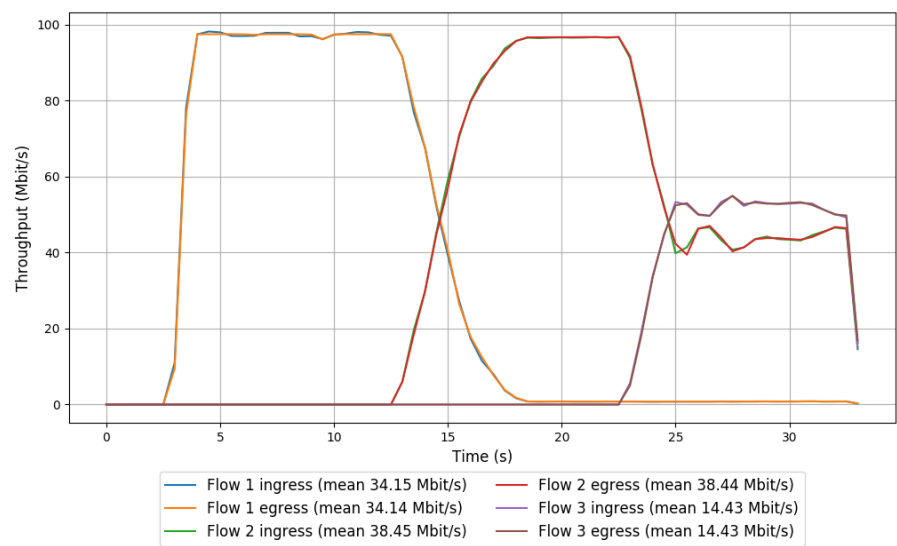
-- Flow 3:

Average throughput: 14.43 Mbit/s

95th percentile per-packet one-way delay: 25.003 ms

Loss rate: 0.00%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:39:02 +0000

End at: Sat, 01 Jul 2017 11:39:32 +0000

Local clock offset: -3.734 ms

Remote clock offset: -21.399 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:09:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.73 Mbit/s

95th percentile per-packet one-way delay: 23.143 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 49.47 Mbit/s

95th percentile per-packet one-way delay: 22.914 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.96 Mbit/s

95th percentile per-packet one-way delay: 22.947 ms

Loss rate: 0.00%

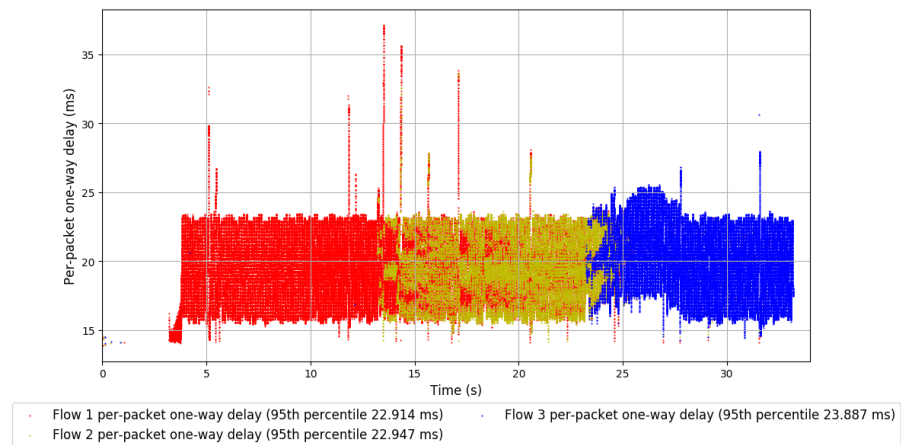
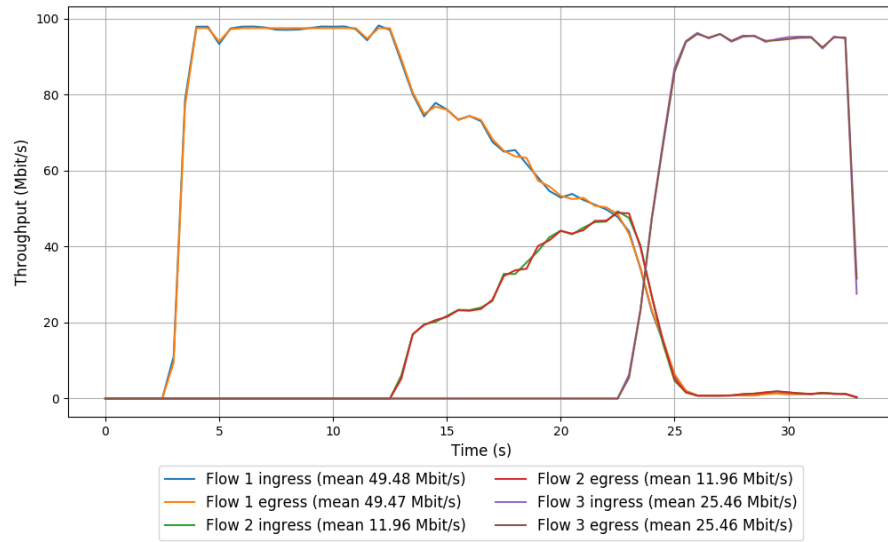
-- Flow 3:

Average throughput: 25.46 Mbit/s

95th percentile per-packet one-way delay: 23.887 ms

Loss rate: 0.00%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:57:14 +0000

End at: Sat, 01 Jul 2017 11:57:44 +0000

Local clock offset: 0.173 ms

Remote clock offset: -19.328 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:09:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.91 Mbit/s

95th percentile per-packet one-way delay: 22.016 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.03 Mbit/s

95th percentile per-packet one-way delay: 21.950 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 33.81 Mbit/s

95th percentile per-packet one-way delay: 22.212 ms

Loss rate: 0.00%

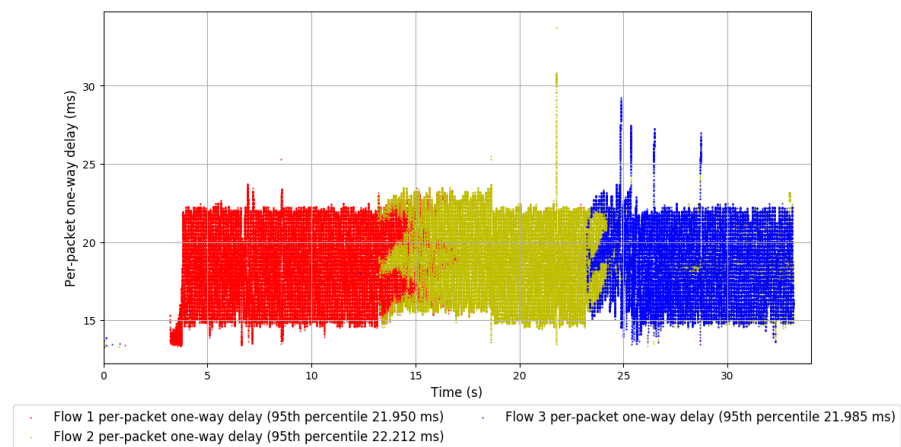
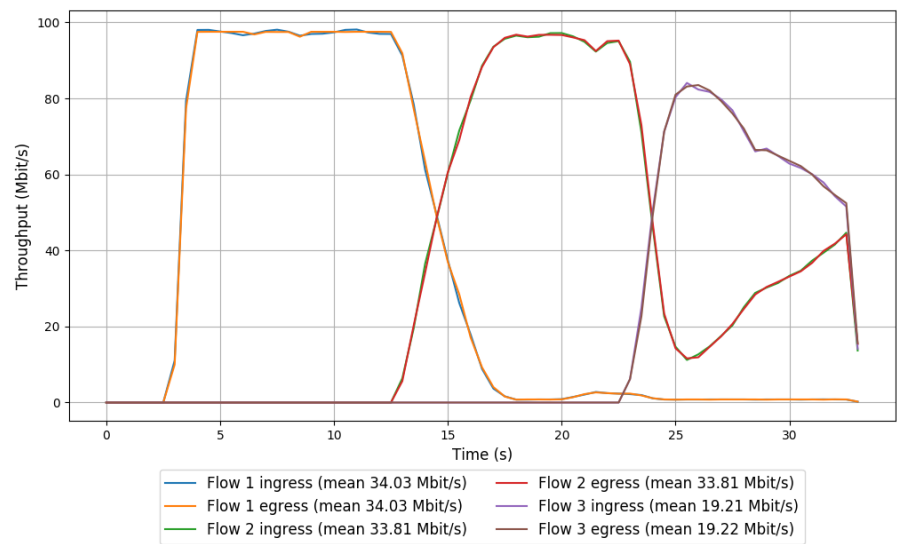
-- Flow 3:

Average throughput: 19.22 Mbit/s

95th percentile per-packet one-way delay: 21.985 ms

Loss rate: 0.00%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

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

End at: Sat, 01 Jul 2017 09:07:24 +0000

Local clock offset: 3.002 ms

Remote clock offset: -18.894 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:09:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.40 Mbit/s

95th percentile per-packet one-way delay: 14.104 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 29.46 Mbit/s

95th percentile per-packet one-way delay: 14.074 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.45 Mbit/s

95th percentile per-packet one-way delay: 14.117 ms

Loss rate: 0.00%

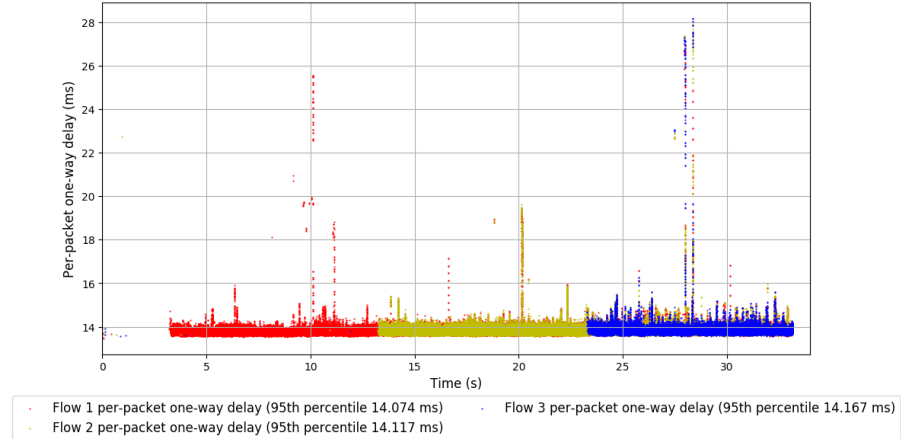
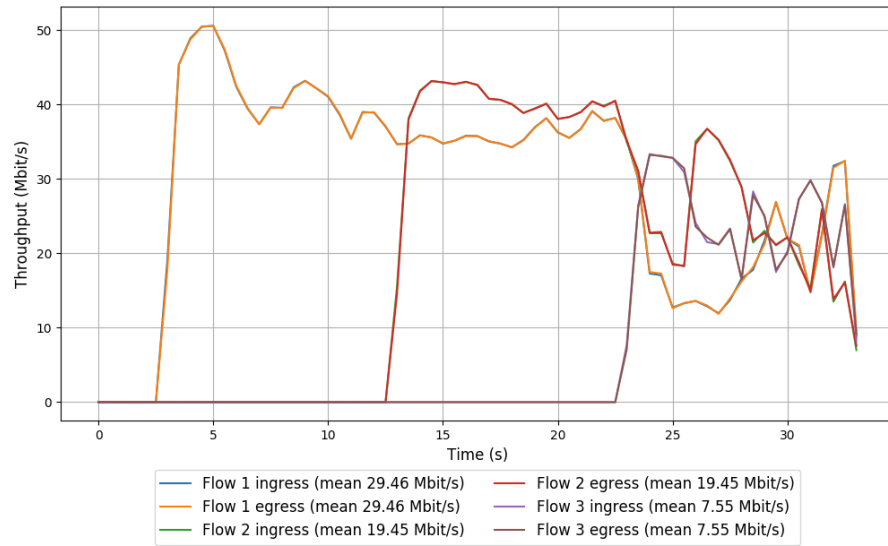
-- Flow 3:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 14.167 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sat, 01 Jul 2017 09:25:23 +0000

End at: Sat, 01 Jul 2017 09:25:53 +0000

Local clock offset: 3.891 ms

Remote clock offset: -20.593 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:09:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.59 Mbit/s

95th percentile per-packet one-way delay: 14.002 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.35 Mbit/s

95th percentile per-packet one-way delay: 13.961 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 18.62 Mbit/s

95th percentile per-packet one-way delay: 14.046 ms

Loss rate: 0.00%

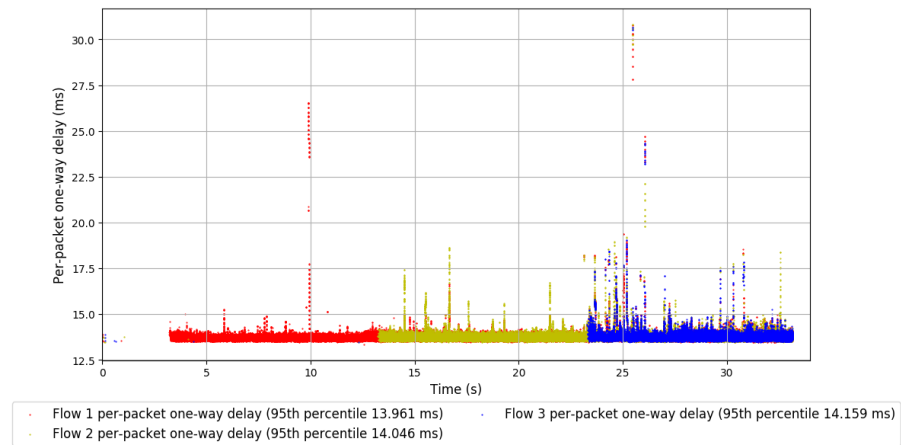
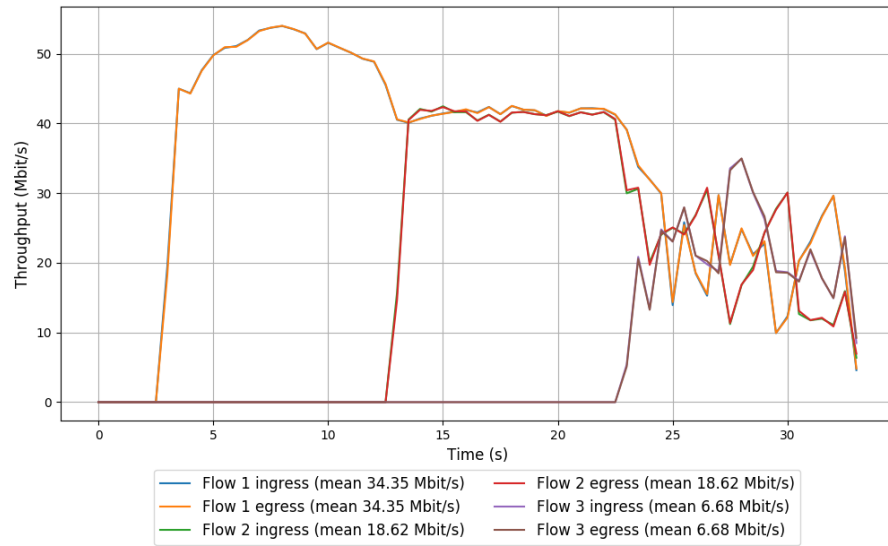
-- Flow 3:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 14.159 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sat, 01 Jul 2017 09:44:06 +0000

End at: Sat, 01 Jul 2017 09:44:36 +0000

Local clock offset: 2.422 ms

Remote clock offset: -17.456 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:09:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.82 Mbit/s

95th percentile per-packet one-way delay: 13.142 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.64 Mbit/s

95th percentile per-packet one-way delay: 13.088 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.26 Mbit/s

95th percentile per-packet one-way delay: 13.179 ms

Loss rate: 0.00%

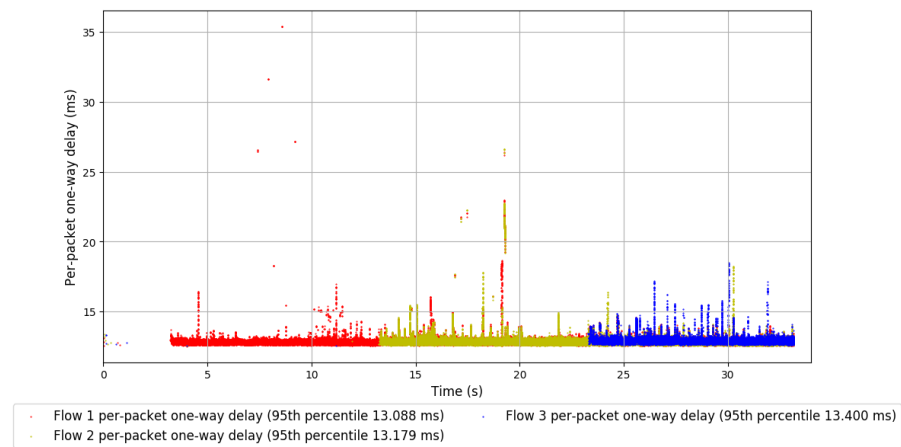
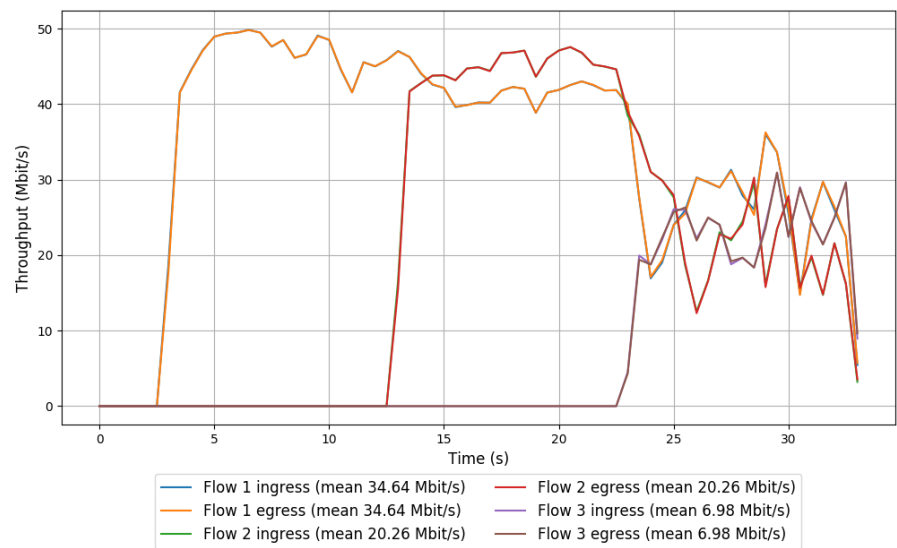
-- Flow 3:

Average throughput: 6.98 Mbit/s

95th percentile per-packet one-way delay: 13.400 ms

Loss rate: 0.02%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sat, 01 Jul 2017 10:02:45 +0000

End at: Sat, 01 Jul 2017 10:03:15 +0000

Local clock offset: -0.041 ms

Remote clock offset: -17.062 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:09:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.91 Mbit/s

95th percentile per-packet one-way delay: 12.600 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 33.56 Mbit/s

95th percentile per-packet one-way delay: 12.572 ms

Loss rate: 0.68%

-- Flow 2:

Average throughput: 21.19 Mbit/s

95th percentile per-packet one-way delay: 12.599 ms

Loss rate: 1.10%

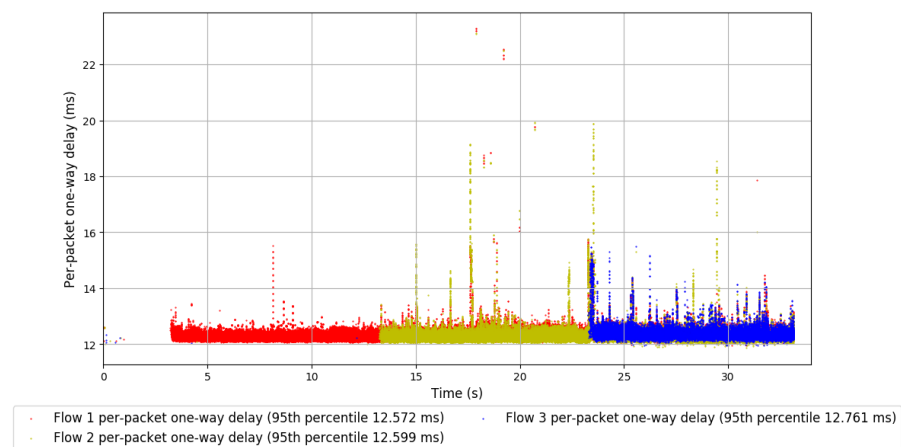
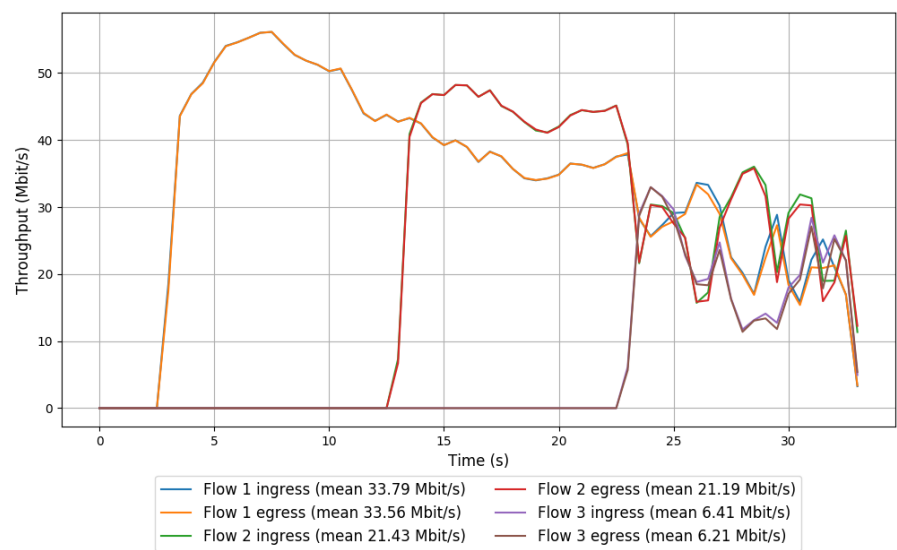
-- Flow 3:

Average throughput: 6.21 Mbit/s

95th percentile per-packet one-way delay: 12.761 ms

Loss rate: 3.15%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sat, 01 Jul 2017 10:20:59 +0000

End at: Sat, 01 Jul 2017 10:21:29 +0000

Local clock offset: 3.983 ms

Remote clock offset: -17.353 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:10:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.27 Mbit/s

95th percentile per-packet one-way delay: 13.565 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.97 Mbit/s

95th percentile per-packet one-way delay: 13.484 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.37 Mbit/s

95th percentile per-packet one-way delay: 13.616 ms

Loss rate: 0.00%

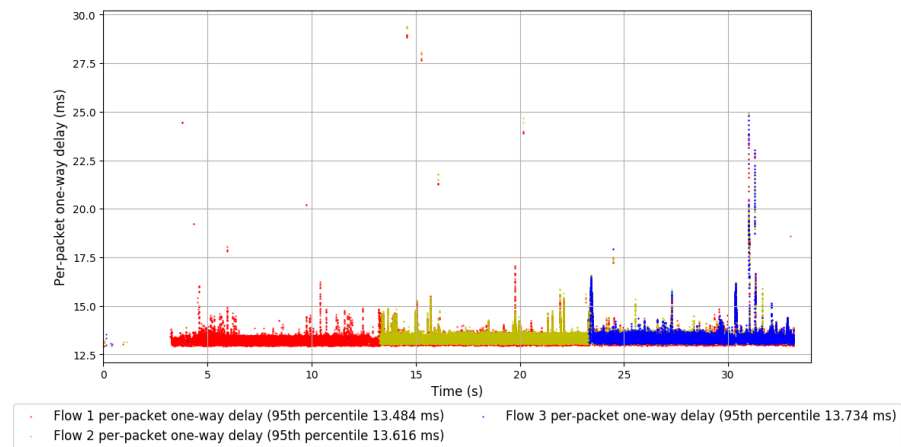
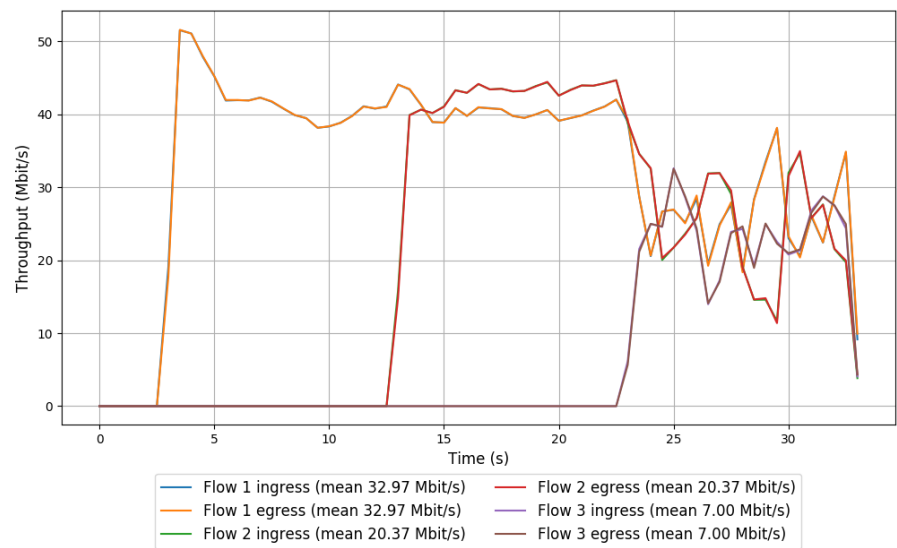
-- Flow 3:

Average throughput: 7.00 Mbit/s

95th percentile per-packet one-way delay: 13.734 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sat, 01 Jul 2017 10:39:06 +0000

End at: Sat, 01 Jul 2017 10:39:36 +0000

Local clock offset: -1.146 ms

Remote clock offset: -21.211 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:10:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.85 Mbit/s

95th percentile per-packet one-way delay: 14.667 ms

Loss rate: 2.12%

-- Flow 1:

Average throughput: 33.02 Mbit/s

95th percentile per-packet one-way delay: 14.653 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 19.49 Mbit/s

95th percentile per-packet one-way delay: 14.676 ms

Loss rate: 2.54%

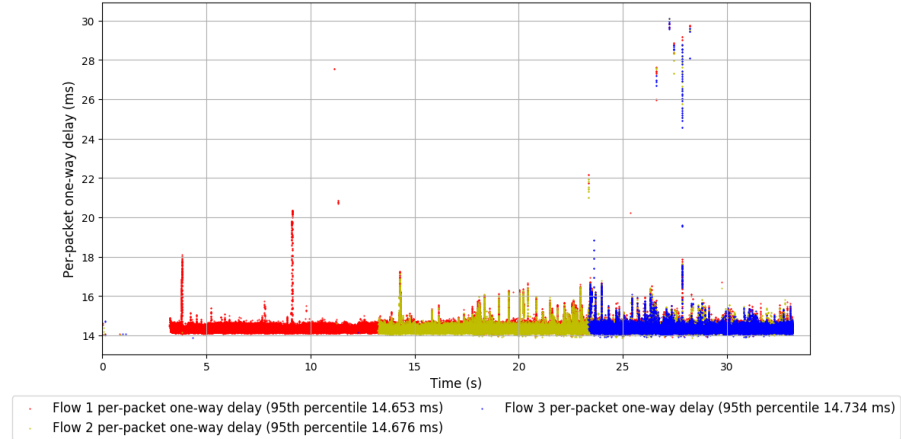
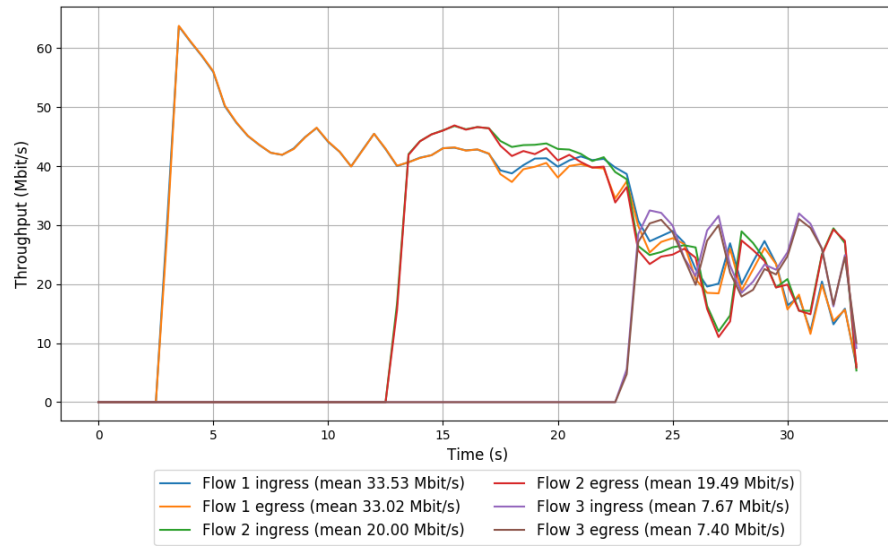
-- Flow 3:

Average throughput: 7.40 Mbit/s

95th percentile per-packet one-way delay: 14.734 ms

Loss rate: 3.53%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sat, 01 Jul 2017 10:57:26 +0000

End at: Sat, 01 Jul 2017 10:57:56 +0000

Local clock offset: -1.867 ms

Remote clock offset: -20.886 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:10:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.02 Mbit/s

95th percentile per-packet one-way delay: 15.295 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.06 Mbit/s

95th percentile per-packet one-way delay: 15.253 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.57 Mbit/s

95th percentile per-packet one-way delay: 15.298 ms

Loss rate: 0.00%

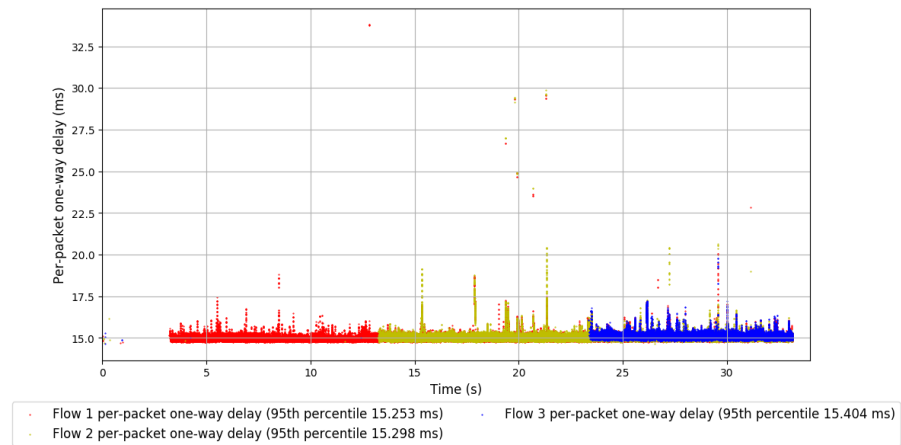
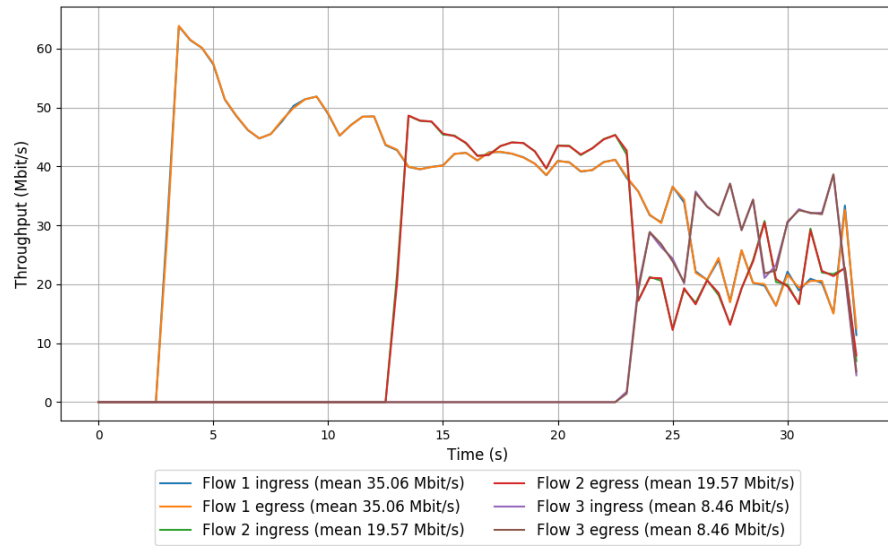
-- Flow 3:

Average throughput: 8.46 Mbit/s

95th percentile per-packet one-way delay: 15.404 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sat, 01 Jul 2017 11:15:45 +0000

End at: Sat, 01 Jul 2017 11:16:15 +0000

Local clock offset: -2.713 ms

Remote clock offset: -21.22 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:10:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.60 Mbit/s

95th percentile per-packet one-way delay: 15.798 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 34.33 Mbit/s

95th percentile per-packet one-way delay: 15.713 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 19.31 Mbit/s

95th percentile per-packet one-way delay: 15.839 ms

Loss rate: 0.18%

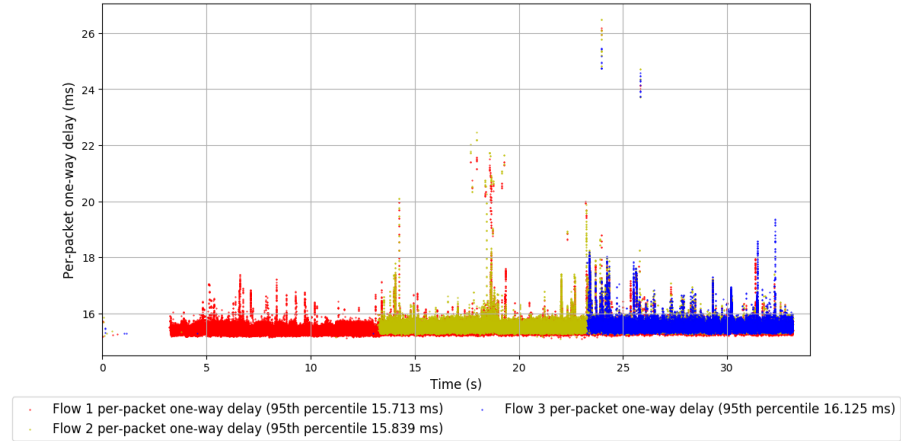
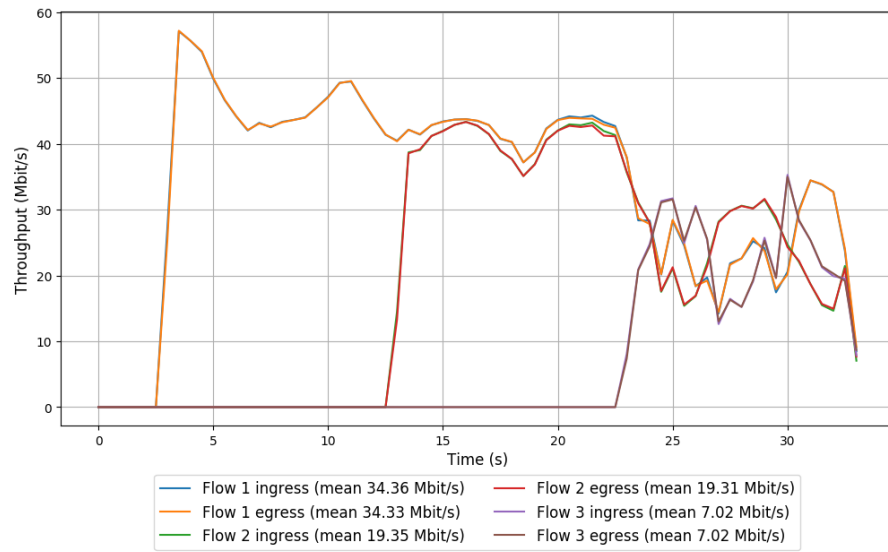
-- Flow 3:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 16.125 ms

Loss rate: 0.08%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

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

End at: Sat, 01 Jul 2017 11:34:41 +0000

Local clock offset: -3.559 ms

Remote clock offset: -20.297 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.58 Mbit/s

95th percentile per-packet one-way delay: 14.513 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 35.83 Mbit/s

95th percentile per-packet one-way delay: 14.473 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.88 Mbit/s

95th percentile per-packet one-way delay: 14.573 ms

Loss rate: 0.00%

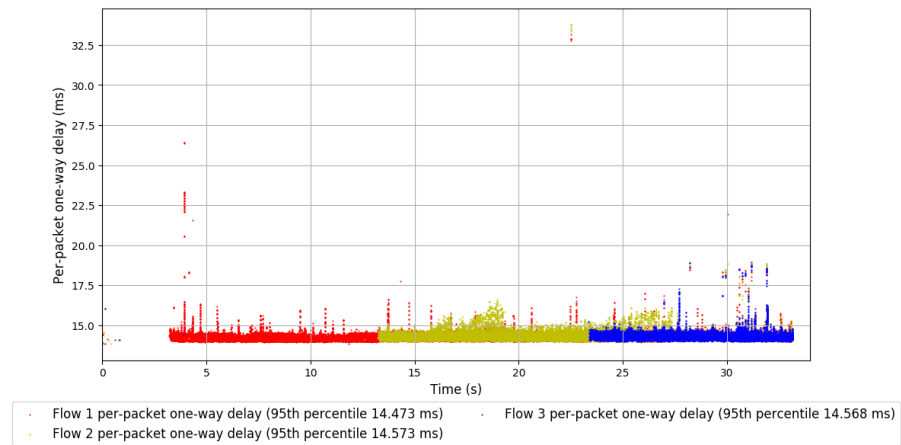
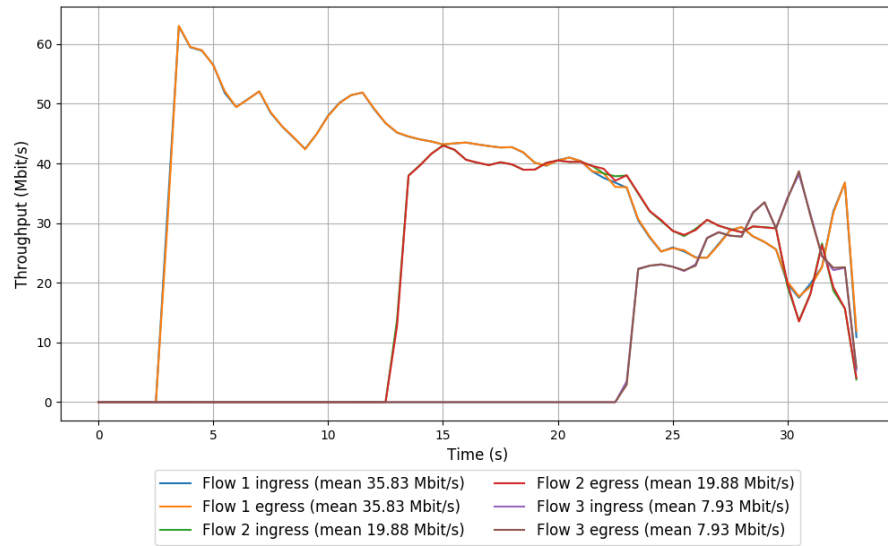
-- Flow 3:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 14.568 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sat, 01 Jul 2017 11:52:26 +0000

End at: Sat, 01 Jul 2017 11:52:56 +0000

Local clock offset: 2.34 ms

Remote clock offset: -20.374 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.72 Mbit/s

95th percentile per-packet one-way delay: 14.235 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 32.73 Mbit/s

95th percentile per-packet one-way delay: 14.169 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 22.14 Mbit/s

95th percentile per-packet one-way delay: 14.286 ms

Loss rate: 0.00%

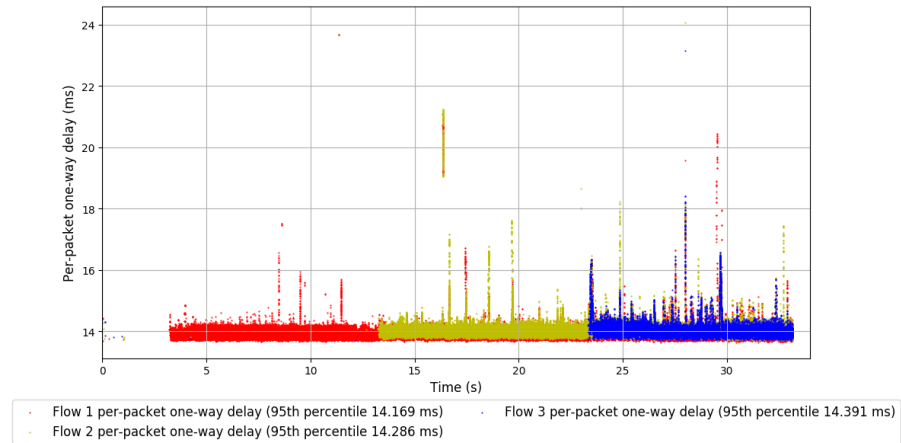
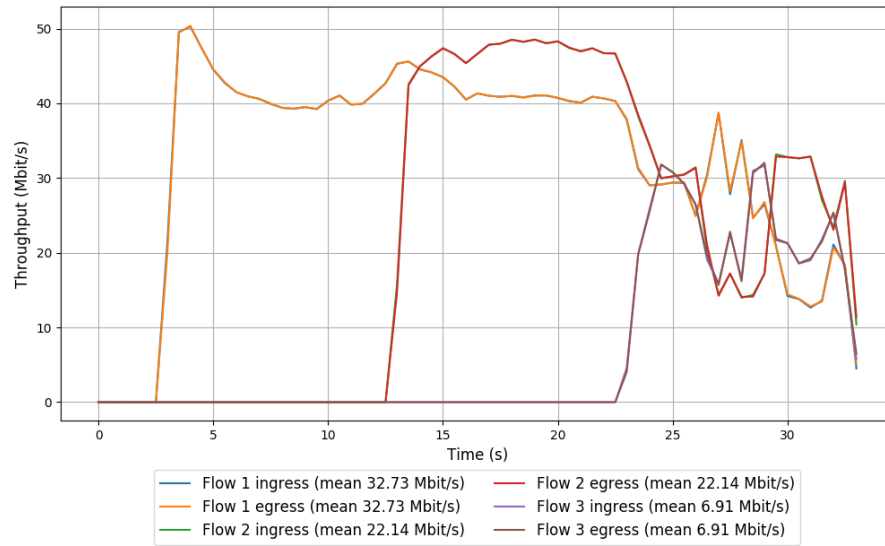
-- Flow 3:

Average throughput: 6.91 Mbit/s

95th percentile per-packet one-way delay: 14.391 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

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

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

Local clock offset: 0.753 ms

Remote clock offset: -18.882 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:10:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.86 Mbit/s

95th percentile per-packet one-way delay: 49.451 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 62.05 Mbit/s

95th percentile per-packet one-way delay: 49.749 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 17.01 Mbit/s

95th percentile per-packet one-way delay: 48.613 ms

Loss rate: 0.46%

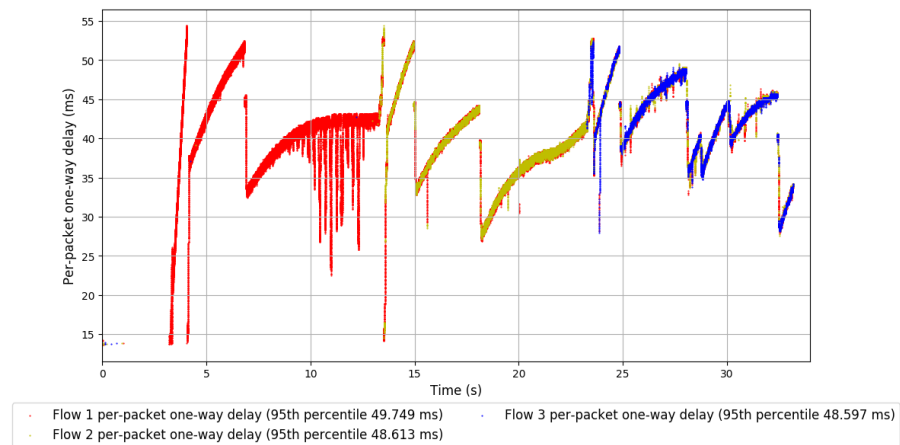
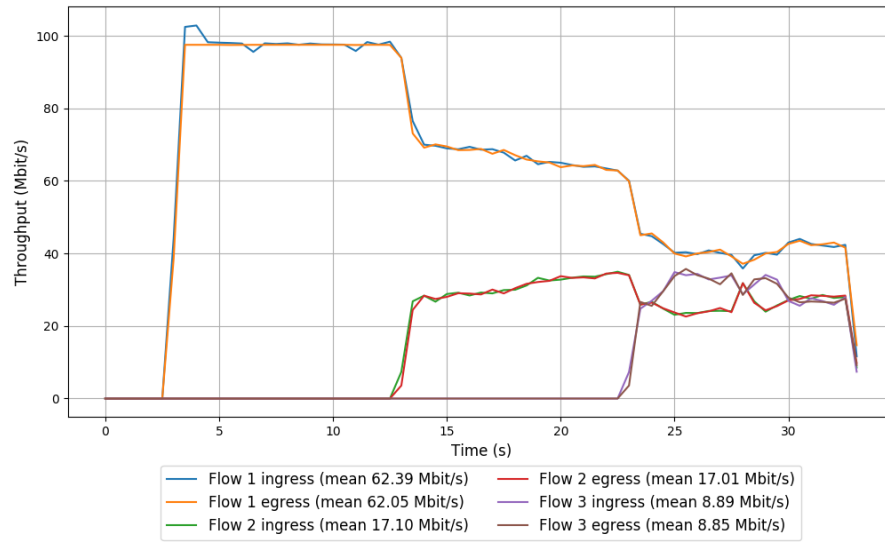
-- Flow 3:

Average throughput: 8.85 Mbit/s

95th percentile per-packet one-way delay: 48.597 ms

Loss rate: 0.36%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 09:28:06 +0000

End at: Sat, 01 Jul 2017 09:28:36 +0000

Local clock offset: 3.933 ms

Remote clock offset: -20.021 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:10:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.82 Mbit/s

95th percentile per-packet one-way delay: 51.345 ms

Loss rate: 0.86%

-- Flow 1:

Average throughput: 59.12 Mbit/s

95th percentile per-packet one-way delay: 51.330 ms

Loss rate: 0.74%

-- Flow 2:

Average throughput: 16.15 Mbit/s

95th percentile per-packet one-way delay: 51.214 ms

Loss rate: 0.86%

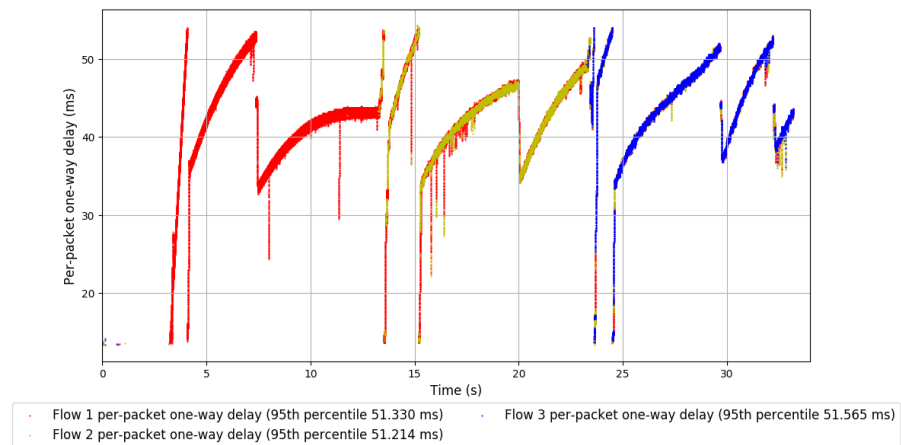
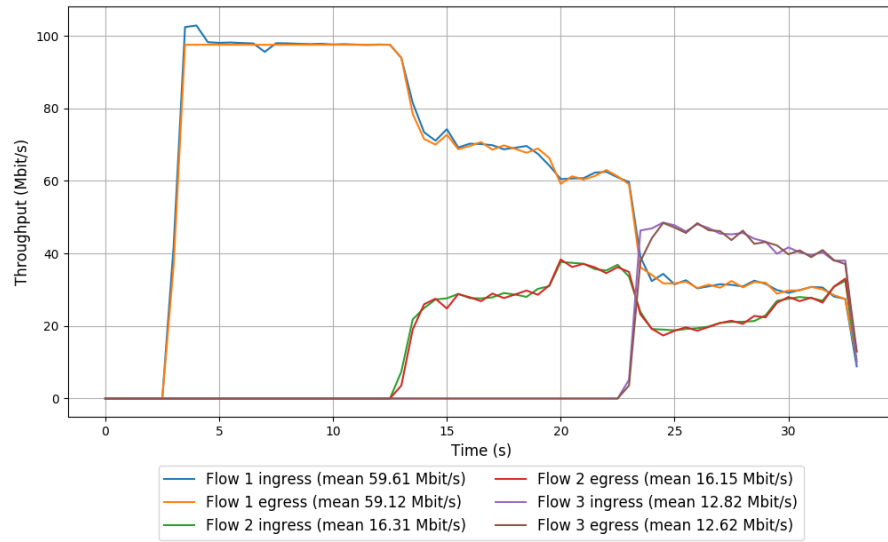
-- Flow 3:

Average throughput: 12.62 Mbit/s

95th percentile per-packet one-way delay: 51.565 ms

Loss rate: 1.45%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 09:46:38 +0000

End at: Sat, 01 Jul 2017 09:47:08 +0000

Local clock offset: 4.387 ms

Remote clock offset: -18.069 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:11:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.79 Mbit/s

95th percentile per-packet one-way delay: 50.338 ms

Loss rate: 0.70%

-- Flow 1:

Average throughput: 59.39 Mbit/s

95th percentile per-packet one-way delay: 50.341 ms

Loss rate: 0.72%

-- Flow 2:

Average throughput: 21.62 Mbit/s

95th percentile per-packet one-way delay: 50.345 ms

Loss rate: 0.70%

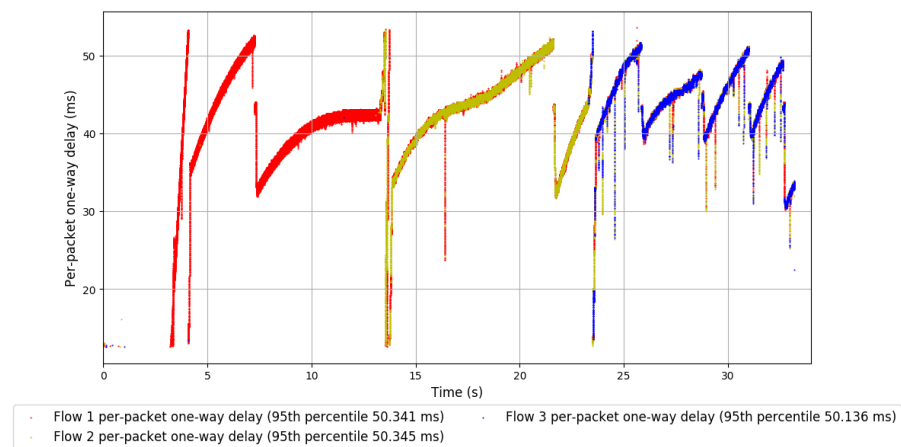
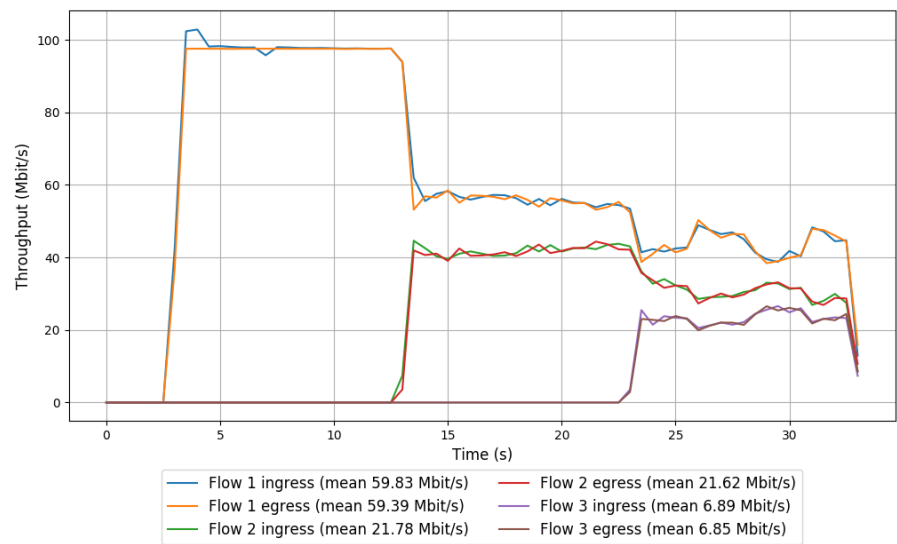
-- Flow 3:

Average throughput: 6.85 Mbit/s

95th percentile per-packet one-way delay: 50.136 ms

Loss rate: 0.51%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

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

End at: Sat, 01 Jul 2017 10:05:40 +0000

Local clock offset: 3.339 ms

Remote clock offset: -17.9 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:11:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.79 Mbit/s

95th percentile per-packet one-way delay: 50.859 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 51.39 Mbit/s

95th percentile per-packet one-way delay: 50.870 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 28.48 Mbit/s

95th percentile per-packet one-way delay: 50.677 ms

Loss rate: 0.48%

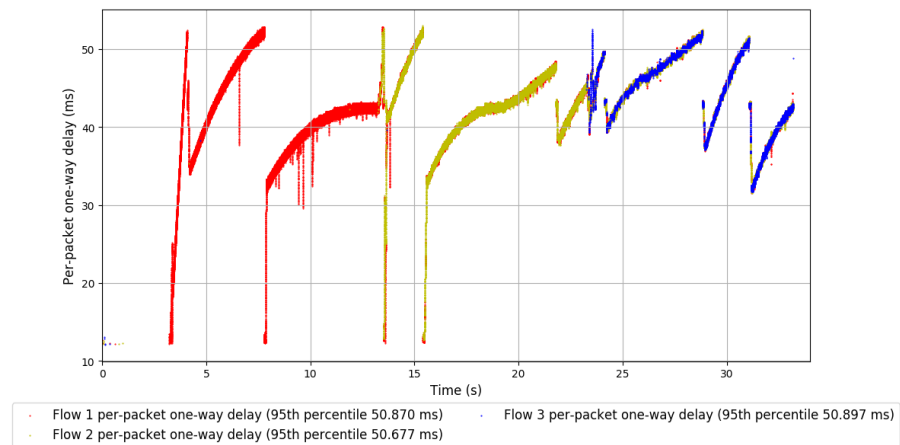
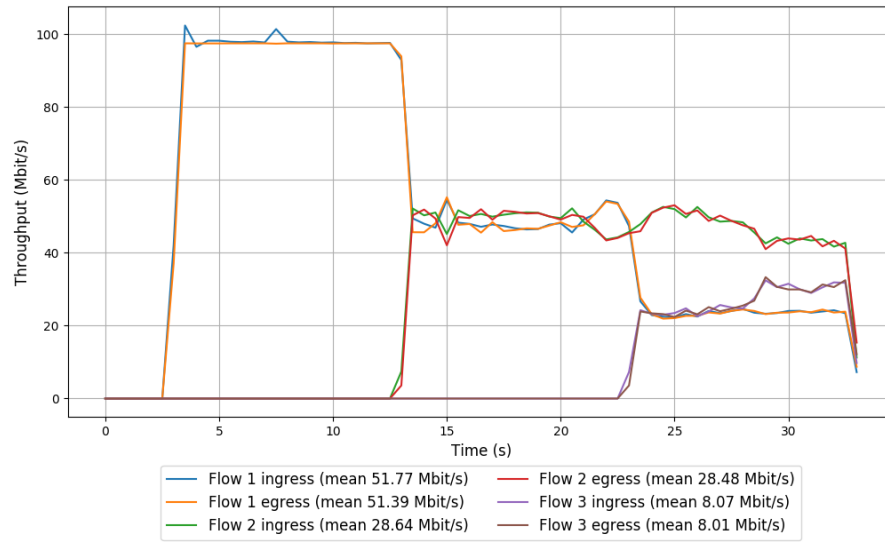
-- Flow 3:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 50.897 ms

Loss rate: 0.64%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 10:23:29 +0000

End at: Sat, 01 Jul 2017 10:23:59 +0000

Local clock offset: 0.949 ms

Remote clock offset: -18.657 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:11:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.00 Mbit/s

95th percentile per-packet one-way delay: 51.296 ms

Loss rate: 0.77%

-- Flow 1:

Average throughput: 59.98 Mbit/s

95th percentile per-packet one-way delay: 51.335 ms

Loss rate: 0.88%

-- Flow 2:

Average throughput: 17.28 Mbit/s

95th percentile per-packet one-way delay: 51.354 ms

Loss rate: 0.62%

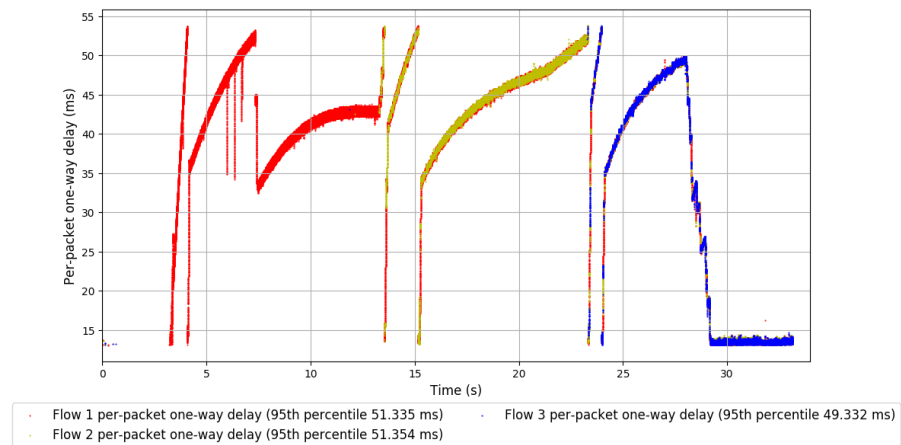
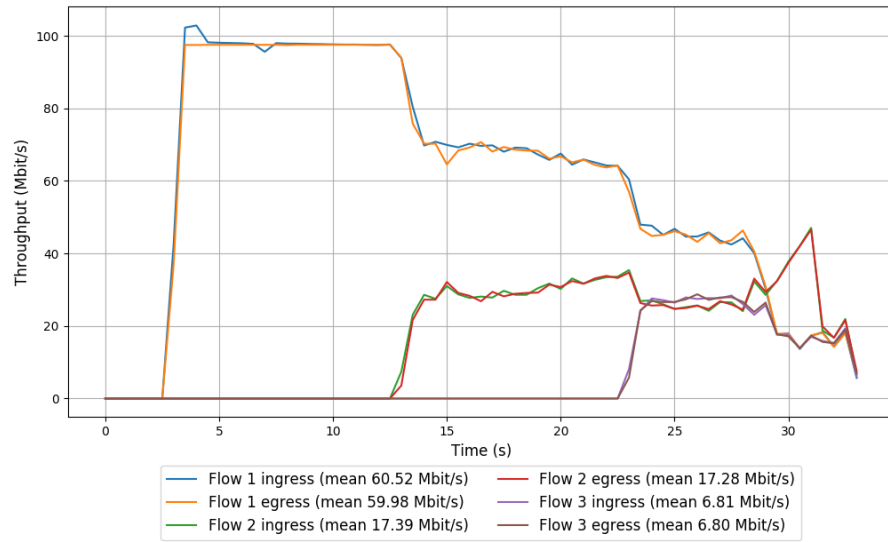
-- Flow 3:

Average throughput: 6.80 Mbit/s

95th percentile per-packet one-way delay: 49.332 ms

Loss rate: 0.18%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 10:41:40 +0000

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

Local clock offset: -2.675 ms

Remote clock offset: -20.837 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.59 Mbit/s

95th percentile per-packet one-way delay: 52.409 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 60.46 Mbit/s

95th percentile per-packet one-way delay: 52.436 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 16.03 Mbit/s

95th percentile per-packet one-way delay: 52.144 ms

Loss rate: 0.68%

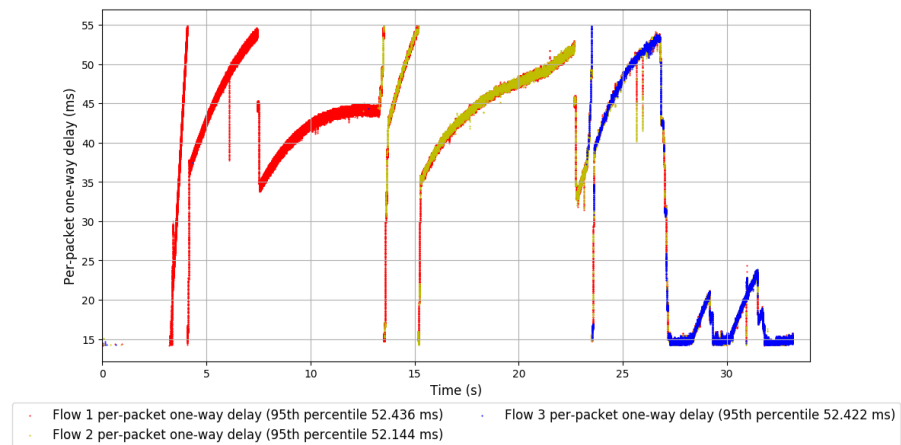
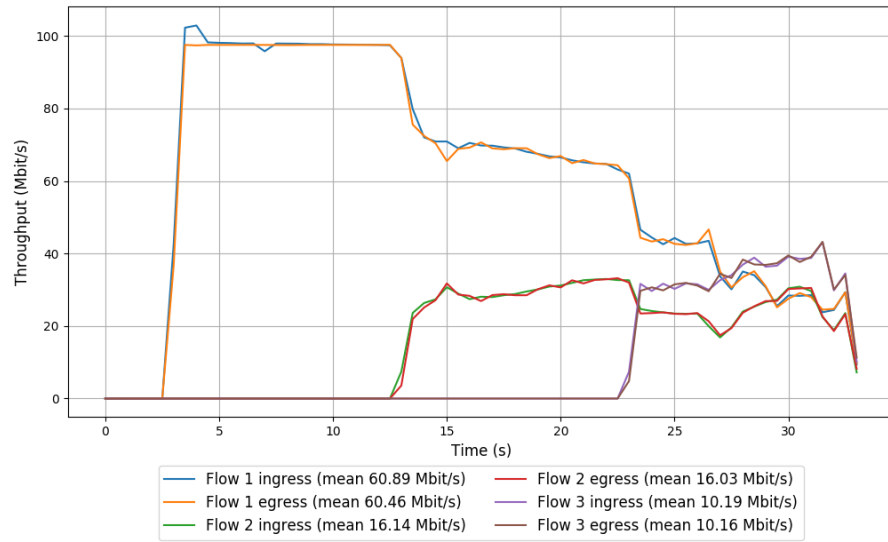
-- Flow 3:

Average throughput: 10.16 Mbit/s

95th percentile per-packet one-way delay: 52.422 ms

Loss rate: 0.32%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

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

End at: Sat, 01 Jul 2017 11:00:26 +0000

Local clock offset: -1.886 ms

Remote clock offset: -22.649 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:11:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.74 Mbit/s

95th percentile per-packet one-way delay: 53.630 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 36.91 Mbit/s

95th percentile per-packet one-way delay: 53.360 ms

Loss rate: 0.73%

-- Flow 2:

Average throughput: 36.46 Mbit/s

95th percentile per-packet one-way delay: 53.857 ms

Loss rate: 0.91%

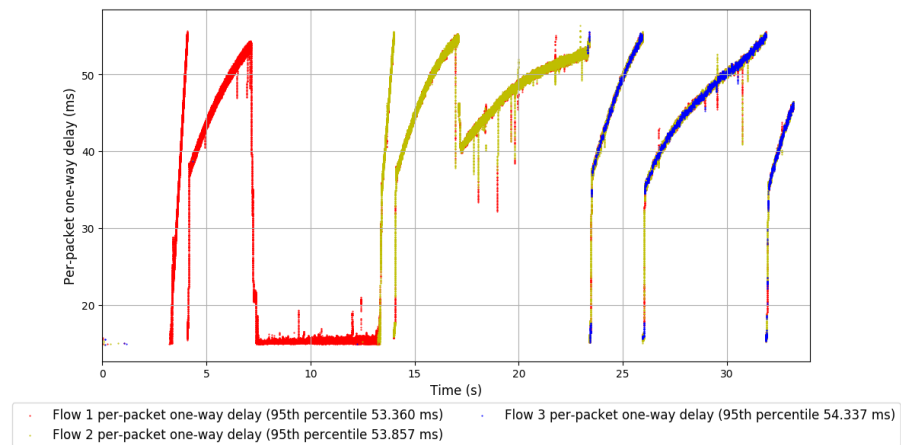
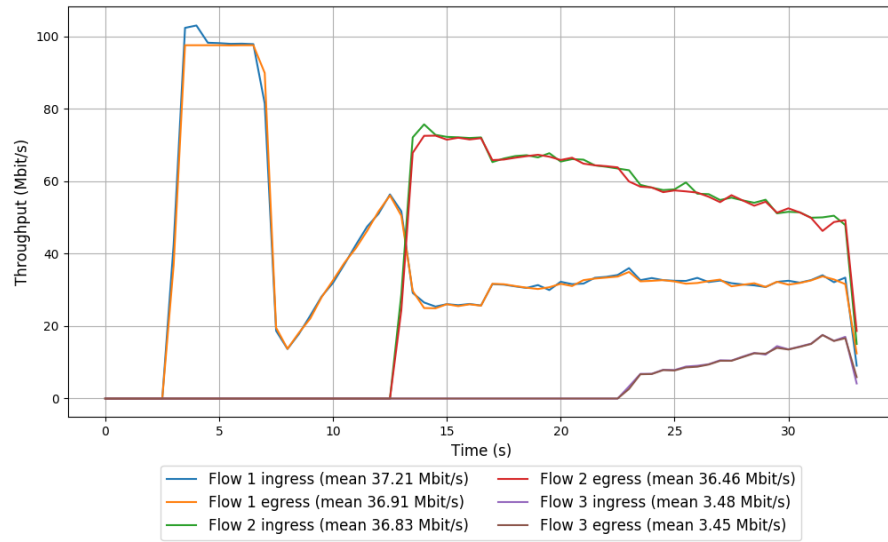
-- Flow 3:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 54.337 ms

Loss rate: 0.60%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:18:20 +0000

End at: Sat, 01 Jul 2017 11:18:50 +0000

Local clock offset: -0.711 ms

Remote clock offset: -21.049 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 53.335 ms

Loss rate: 0.97%

-- Flow 1:

Average throughput: 55.90 Mbit/s

95th percentile per-packet one-way delay: 53.390 ms

Loss rate: 0.97%

-- Flow 2:

Average throughput: 19.08 Mbit/s

95th percentile per-packet one-way delay: 53.139 ms

Loss rate: 0.86%

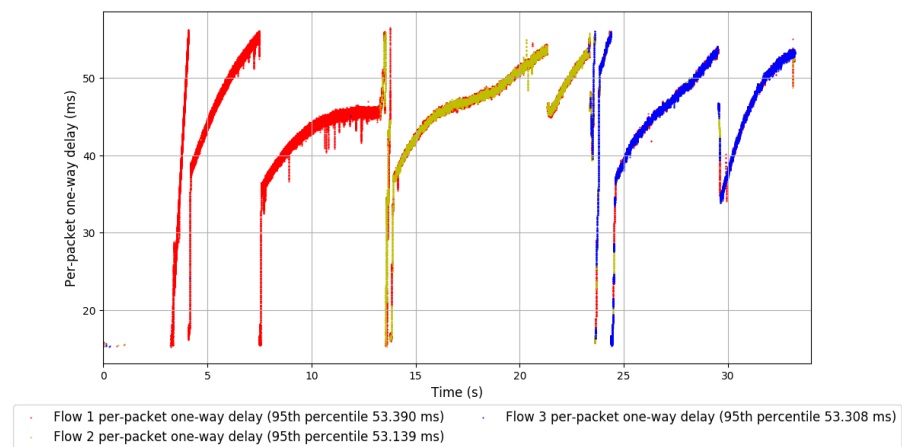
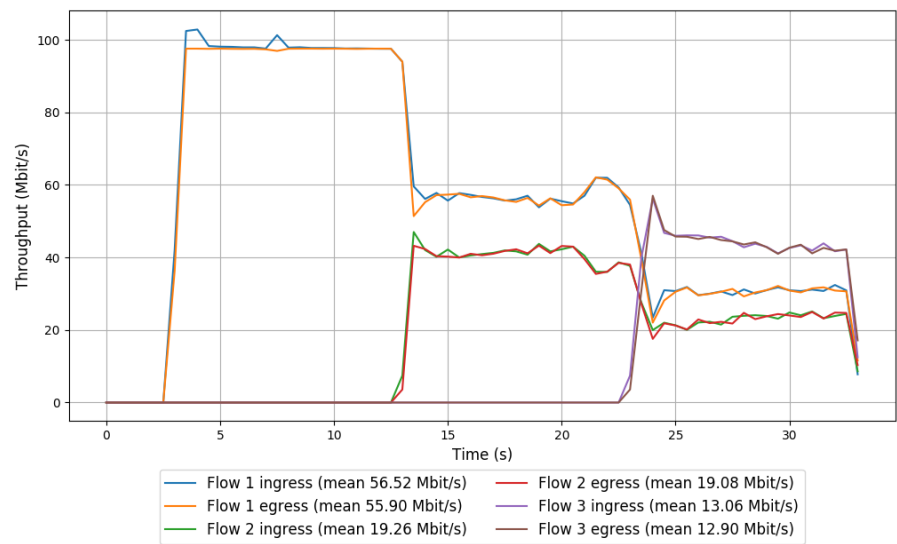
-- Flow 3:

Average throughput: 12.90 Mbit/s

95th percentile per-packet one-way delay: 53.308 ms

Loss rate: 1.12%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:36:42 +0000

End at: Sat, 01 Jul 2017 11:37:12 +0000

Local clock offset: -1.474 ms

Remote clock offset: -22.211 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:11:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.82 Mbit/s

95th percentile per-packet one-way delay: 53.238 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 62.04 Mbit/s

95th percentile per-packet one-way delay: 53.217 ms

Loss rate: 0.96%

-- Flow 2:

Average throughput: 21.92 Mbit/s

95th percentile per-packet one-way delay: 53.263 ms

Loss rate: 0.54%

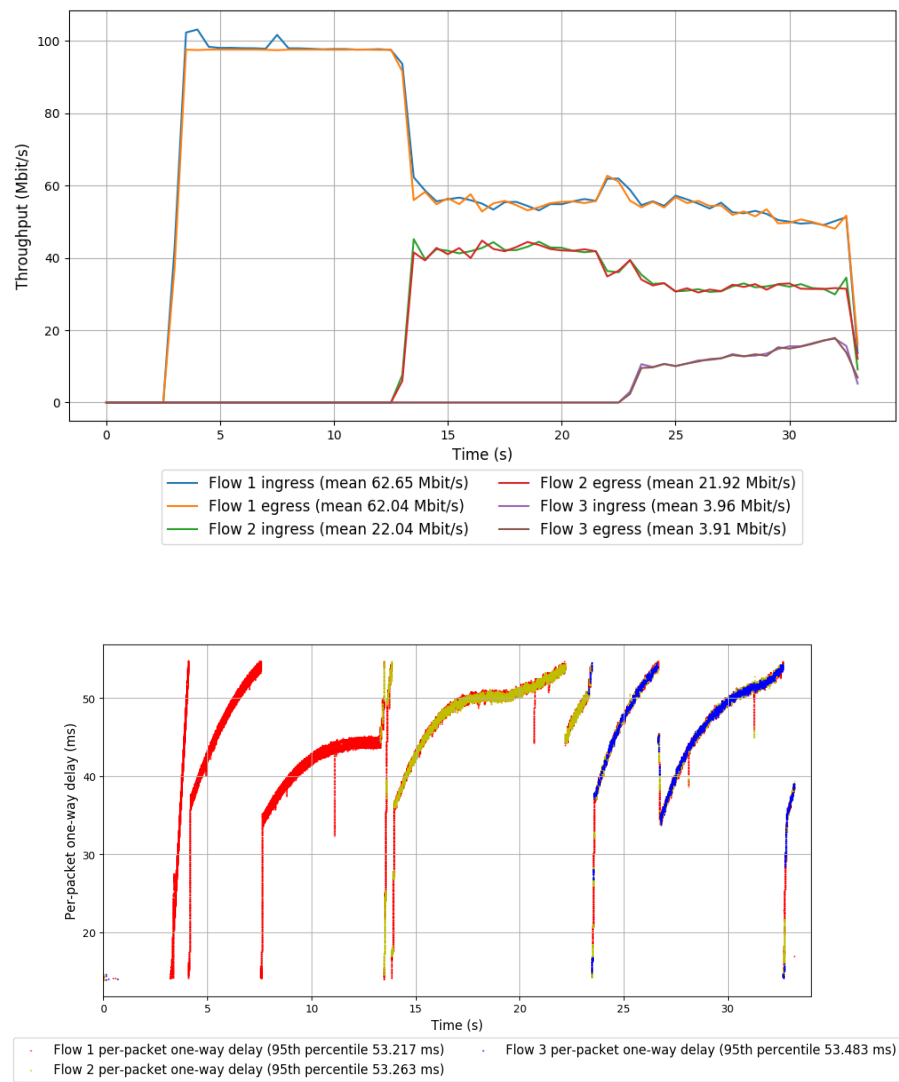
-- Flow 3:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 53.483 ms

Loss rate: 1.11%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:54:55 +0000

End at: Sat, 01 Jul 2017 11:55:25 +0000

Local clock offset: -0.072 ms

Remote clock offset: -21.358 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:11:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.82 Mbit/s

95th percentile per-packet one-way delay: 51.544 ms

Loss rate: 0.57%

-- Flow 1:

Average throughput: 62.29 Mbit/s

95th percentile per-packet one-way delay: 51.435 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 18.62 Mbit/s

95th percentile per-packet one-way delay: 51.592 ms

Loss rate: 0.58%

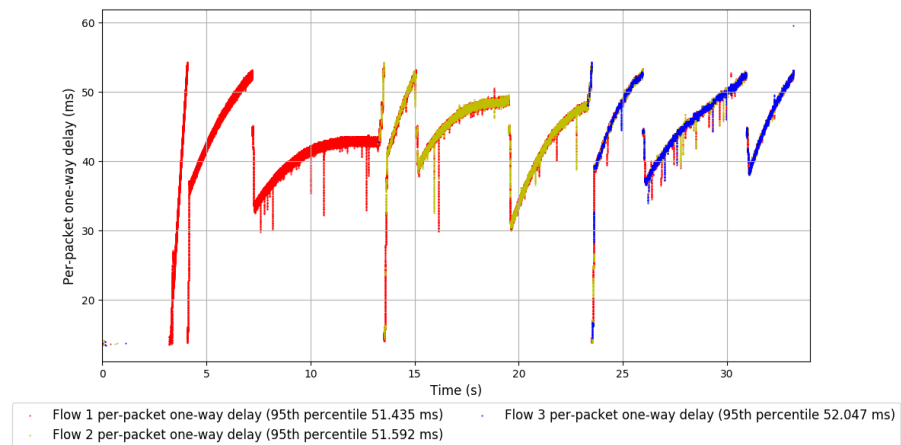
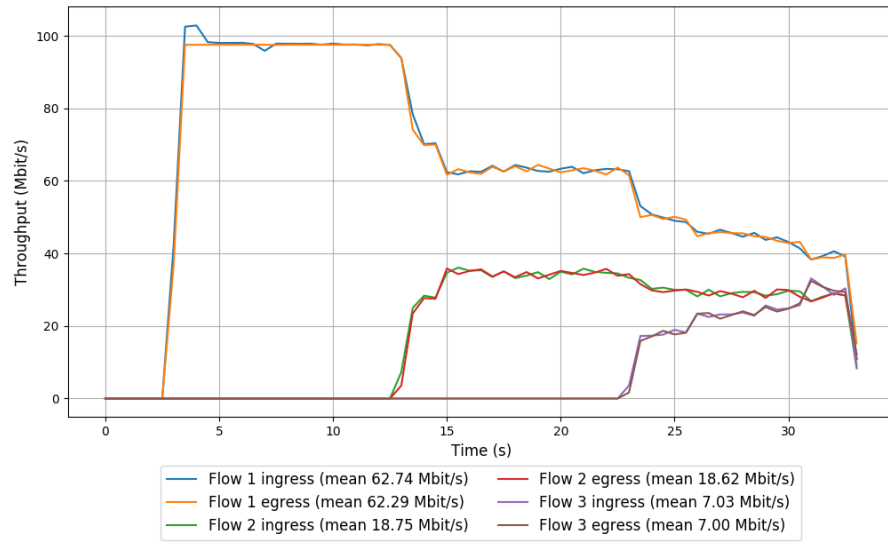
-- Flow 3:

Average throughput: 7.00 Mbit/s

95th percentile per-packet one-way delay: 52.047 ms

Loss rate: 0.37%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 09:19:03 +0000

End at: Sat, 01 Jul 2017 09:19:33 +0000

Local clock offset: 1.054 ms

Remote clock offset: -19.956 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.64 Mbit/s

95th percentile per-packet one-way delay: 21.934 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.15 Mbit/s

95th percentile per-packet one-way delay: 20.886 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 25.46 Mbit/s

95th percentile per-packet one-way delay: 22.060 ms

Loss rate: 0.00%

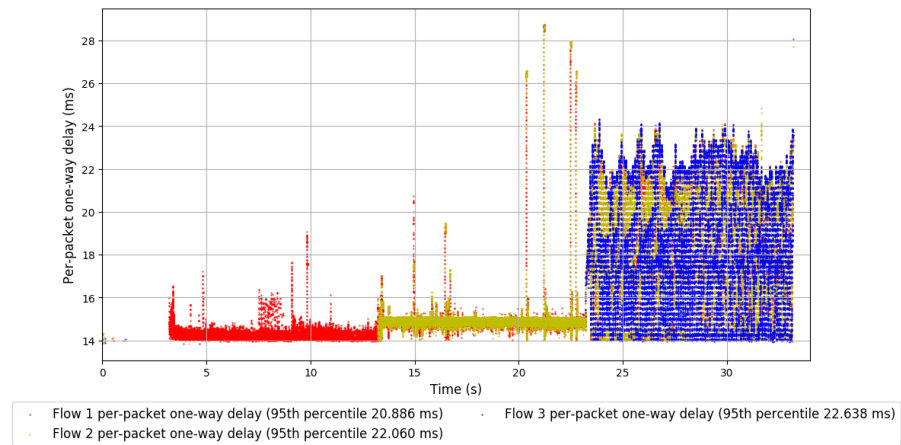
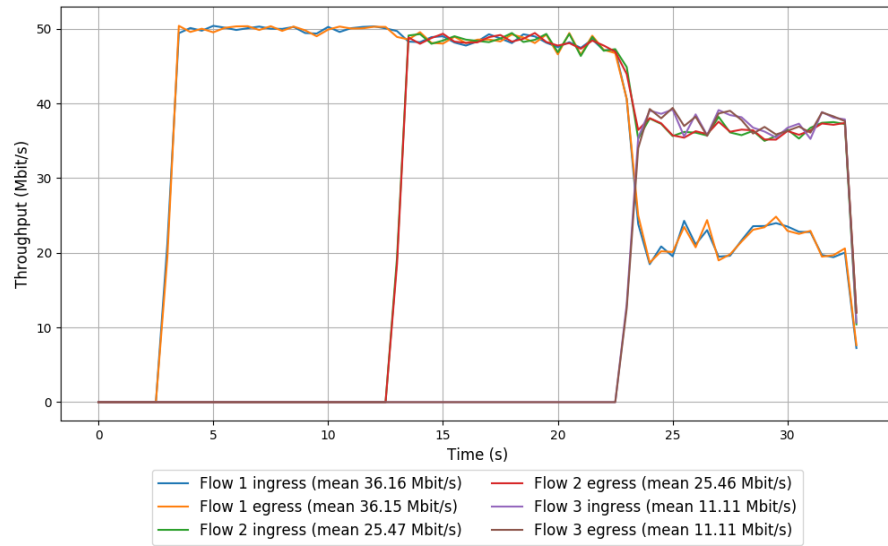
-- Flow 3:

Average throughput: 11.11 Mbit/s

95th percentile per-packet one-way delay: 22.638 ms

Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 09:37:44 +0000

End at: Sat, 01 Jul 2017 09:38:14 +0000

Local clock offset: 3.203 ms

Remote clock offset: -18.094 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:11:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.54 Mbit/s

95th percentile per-packet one-way delay: 20.100 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 34.71 Mbit/s

95th percentile per-packet one-way delay: 18.663 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 25.51 Mbit/s

95th percentile per-packet one-way delay: 20.106 ms

Loss rate: 0.03%

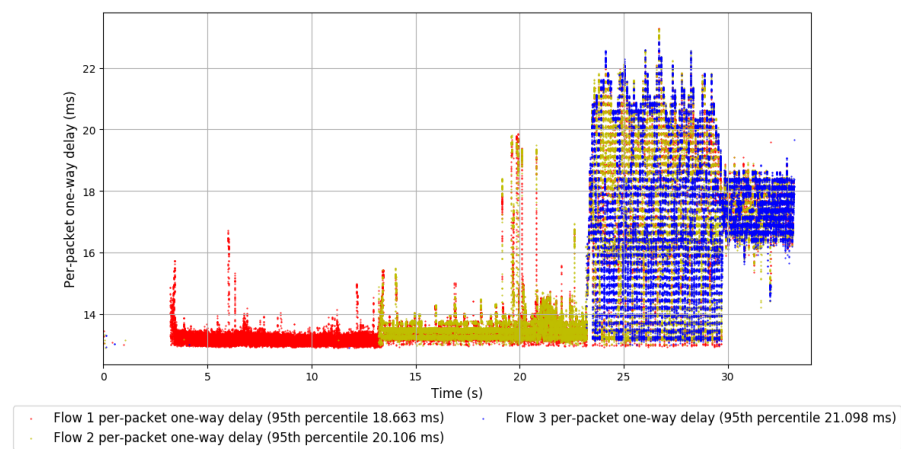
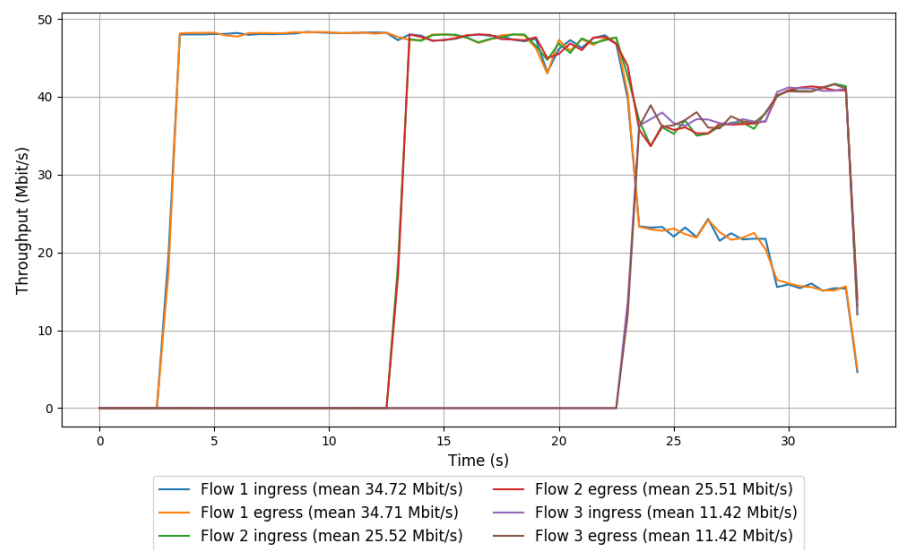
-- Flow 3:

Average throughput: 11.42 Mbit/s

95th percentile per-packet one-way delay: 21.098 ms

Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 09:56:24 +0000

End at: Sat, 01 Jul 2017 09:56:54 +0000

Local clock offset: 2.973 ms

Remote clock offset: -17.588 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:12:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.35 Mbit/s

95th percentile per-packet one-way delay: 21.584 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.23 Mbit/s

95th percentile per-packet one-way delay: 20.701 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.73 Mbit/s

95th percentile per-packet one-way delay: 21.463 ms

Loss rate: 0.00%

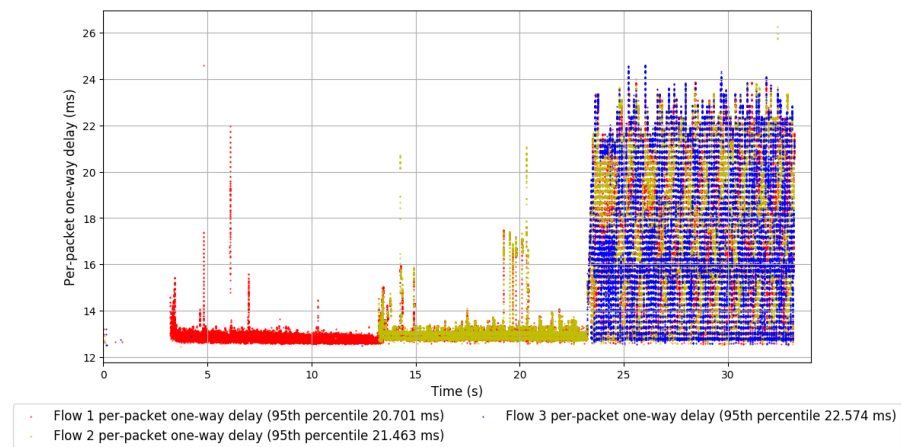
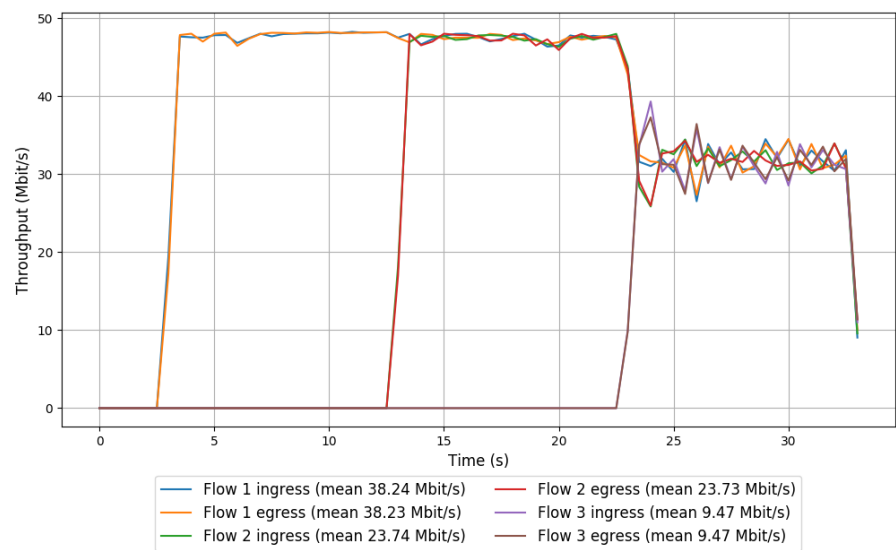
-- Flow 3:

Average throughput: 9.47 Mbit/s

95th percentile per-packet one-way delay: 22.574 ms

Loss rate: 0.00%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 10:14:40 +0000

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

Local clock offset: 3.681 ms

Remote clock offset: -18.857 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:12:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.86 Mbit/s

95th percentile per-packet one-way delay: 21.238 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 37.89 Mbit/s

95th percentile per-packet one-way delay: 20.512 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.43 Mbit/s

95th percentile per-packet one-way delay: 21.268 ms

Loss rate: 0.00%

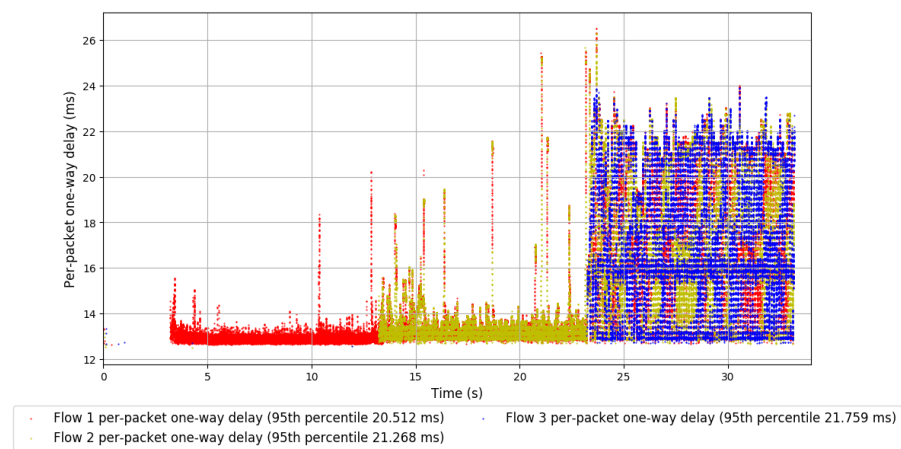
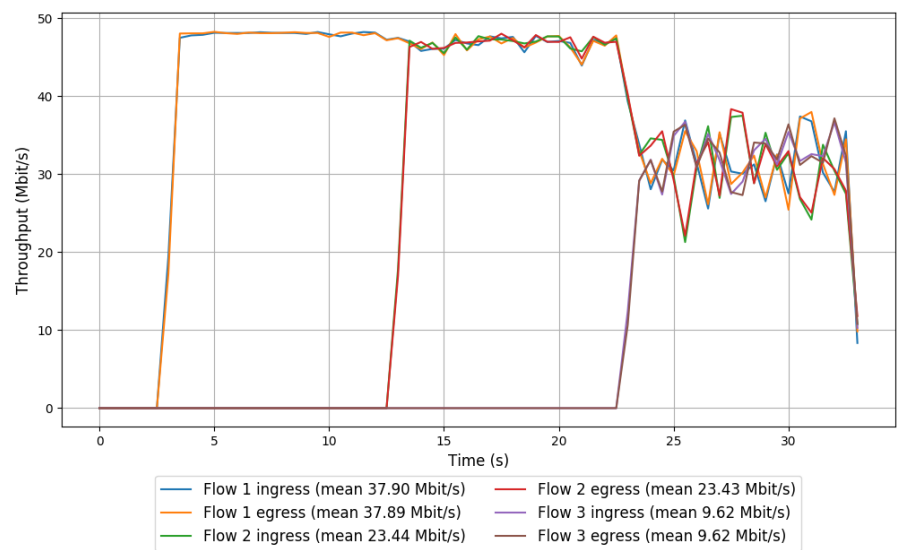
-- Flow 3:

Average throughput: 9.62 Mbit/s

95th percentile per-packet one-way delay: 21.759 ms

Loss rate: 0.00%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 10:32:51 +0000

End at: Sat, 01 Jul 2017 10:33:21 +0000

Local clock offset: 1.821 ms

Remote clock offset: -20.343 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:12:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.25 Mbit/s

95th percentile per-packet one-way delay: 22.057 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.06 Mbit/s

95th percentile per-packet one-way delay: 21.502 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.64 Mbit/s

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

Loss rate: 0.00%

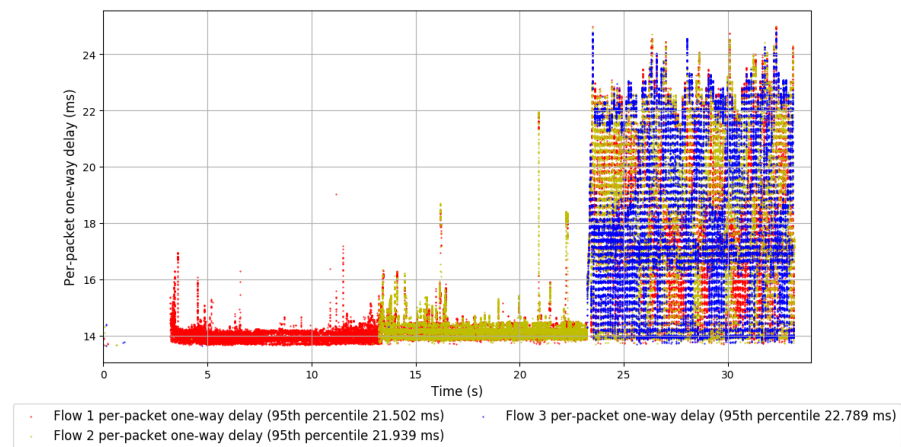
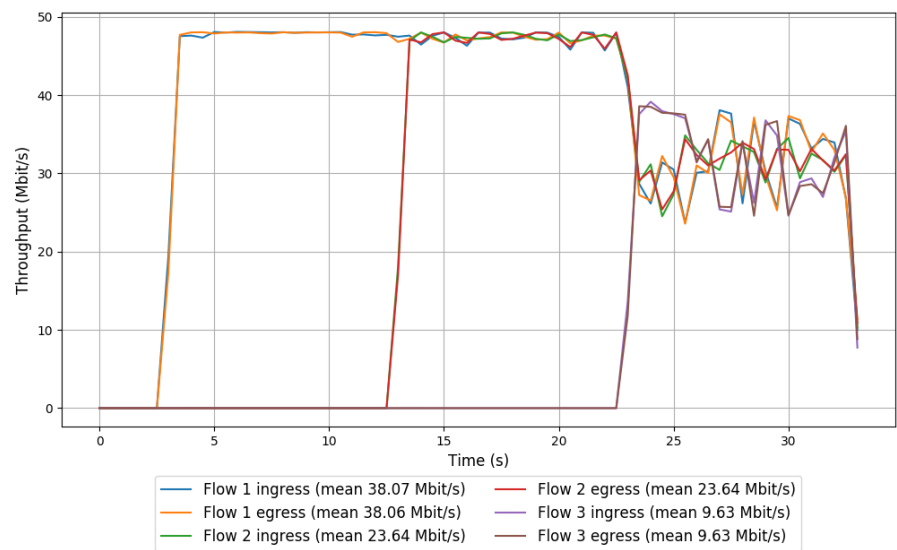
-- Flow 3:

Average throughput: 9.63 Mbit/s

95th percentile per-packet one-way delay: 22.789 ms

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 10:51:16 +0000

End at: Sat, 01 Jul 2017 10:51:46 +0000

Local clock offset: 2.563 ms

Remote clock offset: -20.526 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:12:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.35 Mbit/s

95th percentile per-packet one-way delay: 23.074 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.50 Mbit/s

95th percentile per-packet one-way delay: 22.316 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.57 Mbit/s

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

Loss rate: 0.00%

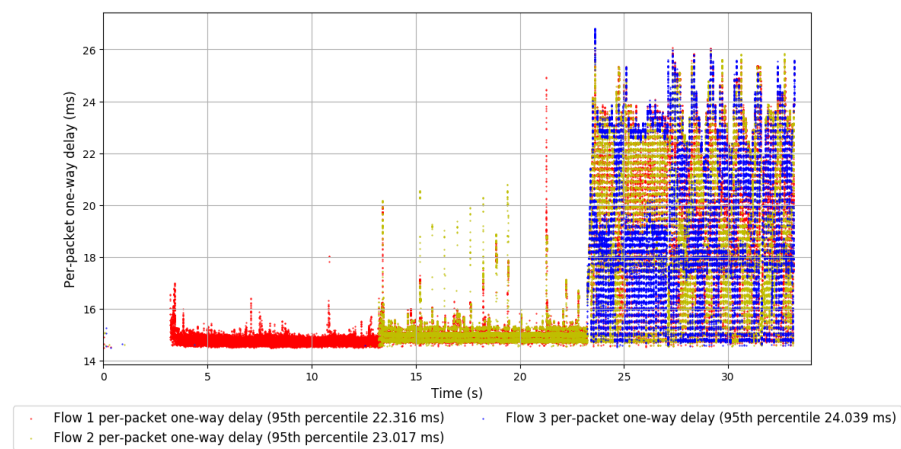
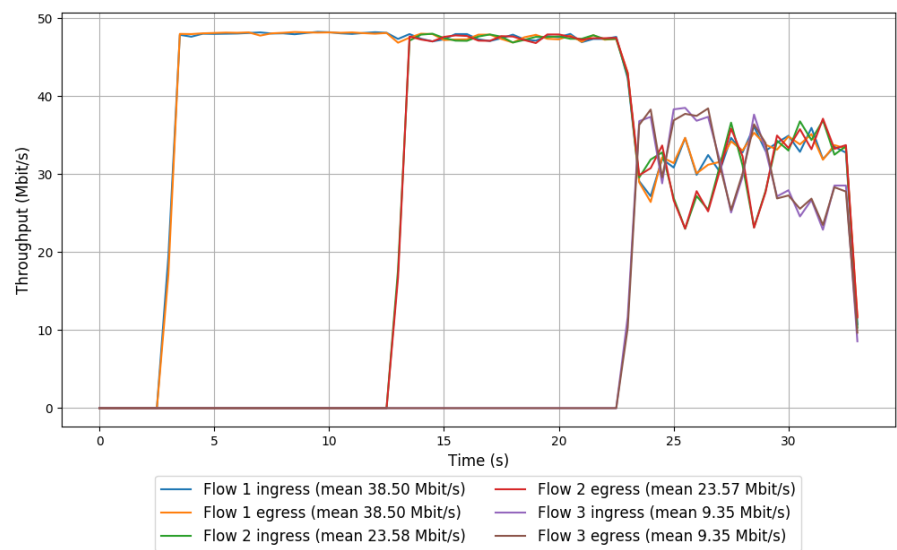
-- Flow 3:

Average throughput: 9.35 Mbit/s

95th percentile per-packet one-way delay: 24.039 ms

Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 11:09:25 +0000

End at: Sat, 01 Jul 2017 11:09:55 +0000

Local clock offset: -4.064 ms

Remote clock offset: -19.73 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:12:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.54 Mbit/s

95th percentile per-packet one-way delay: 23.125 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 36.15 Mbit/s

95th percentile per-packet one-way delay: 22.108 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 24.86 Mbit/s

95th percentile per-packet one-way delay: 23.274 ms

Loss rate: 0.00%

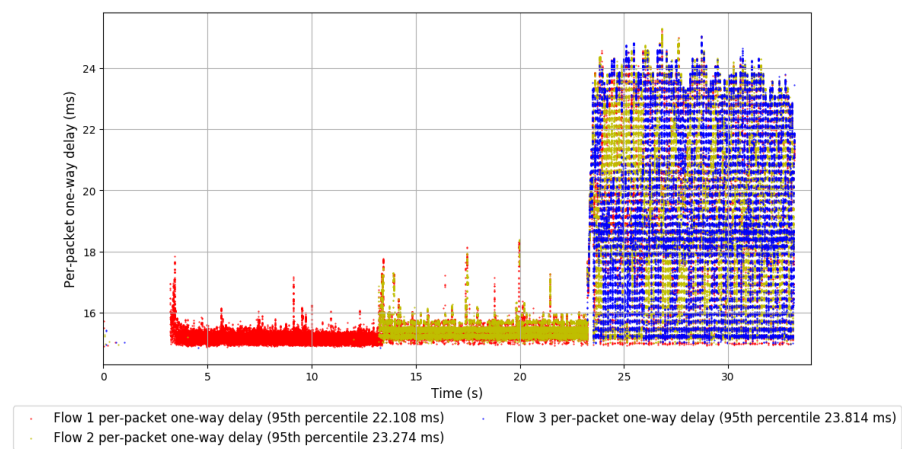
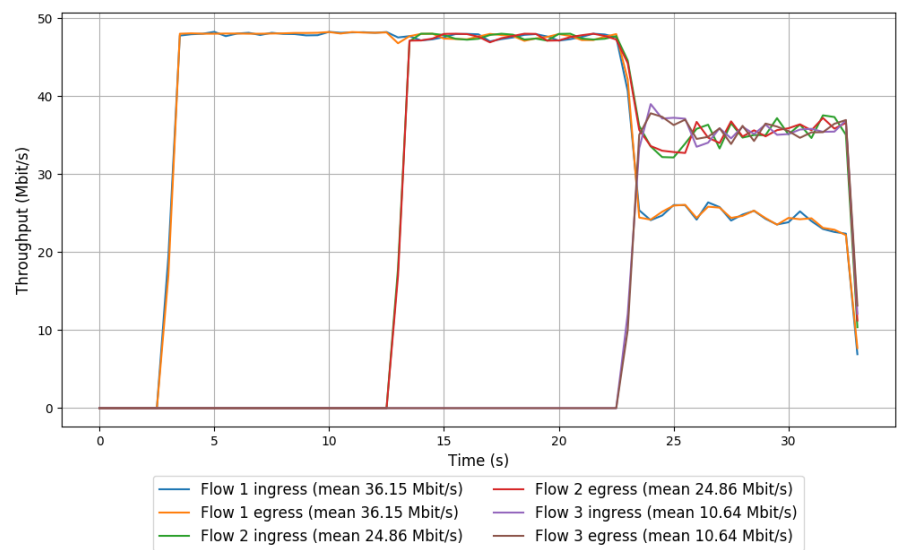
-- Flow 3:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 23.814 ms

Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 11:27:49 +0000

End at: Sat, 01 Jul 2017 11:28:19 +0000

Local clock offset: -3.298 ms

Remote clock offset: -21.894 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:12:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.28 Mbit/s

95th percentile per-packet one-way delay: 23.177 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 38.31 Mbit/s

95th percentile per-packet one-way delay: 22.630 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 23.72 Mbit/s

95th percentile per-packet one-way delay: 23.174 ms

Loss rate: 0.04%

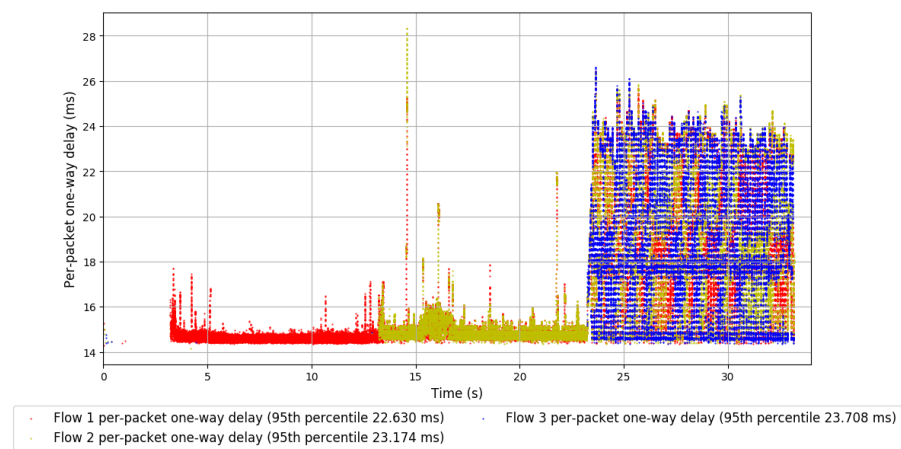
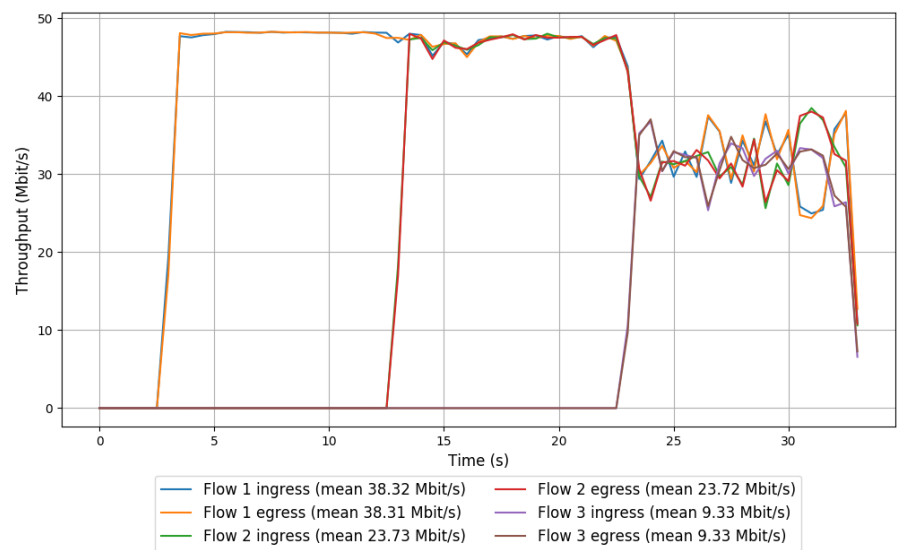
-- Flow 3:

Average throughput: 9.33 Mbit/s

95th percentile per-packet one-way delay: 23.708 ms

Loss rate: 0.00%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 11:46:21 +0000

End at: Sat, 01 Jul 2017 11:46:51 +0000

Local clock offset: -1.307 ms

Remote clock offset: -21.163 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:12:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.37 Mbit/s

95th percentile per-packet one-way delay: 23.492 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.58 Mbit/s

95th percentile per-packet one-way delay: 22.735 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.65 Mbit/s

95th percentile per-packet one-way delay: 23.671 ms

Loss rate: 0.00%

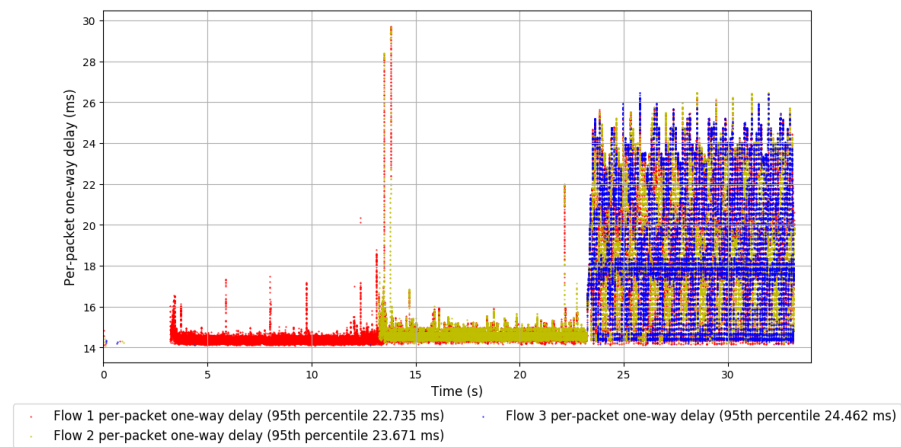
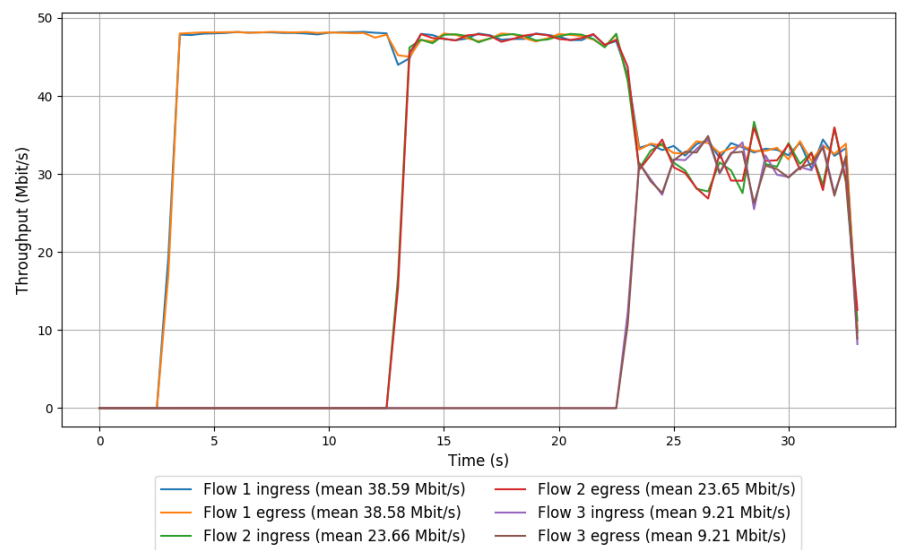
-- Flow 3:

Average throughput: 9.21 Mbit/s

95th percentile per-packet one-way delay: 24.462 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 12:04:26 +0000

End at: Sat, 01 Jul 2017 12:04:56 +0000

Local clock offset: -0.298 ms

Remote clock offset: -19.829 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:12:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.39 Mbit/s

95th percentile per-packet one-way delay: 21.639 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 38.70 Mbit/s

95th percentile per-packet one-way delay: 20.693 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.15 Mbit/s

95th percentile per-packet one-way delay: 21.640 ms

Loss rate: 0.01%

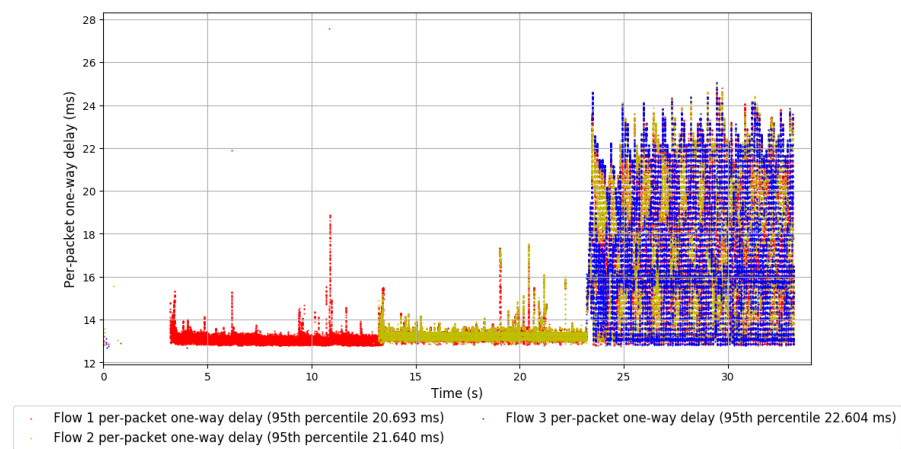
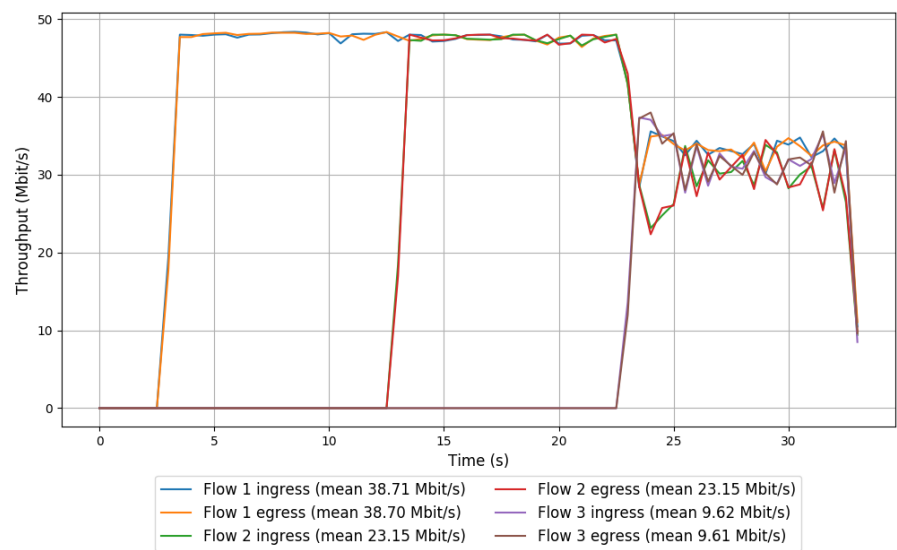
-- Flow 3:

Average throughput: 9.61 Mbit/s

95th percentile per-packet one-way delay: 22.604 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 09:14:16 +0000

End at: Sat, 01 Jul 2017 09:14:46 +0000

Local clock offset: 0.605 ms

Remote clock offset: -19.778 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:12:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.42 Mbit/s

95th percentile per-packet one-way delay: 51.035 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 48.52 Mbit/s

95th percentile per-packet one-way delay: 50.331 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 24.29 Mbit/s

95th percentile per-packet one-way delay: 51.571 ms

Loss rate: 0.41%

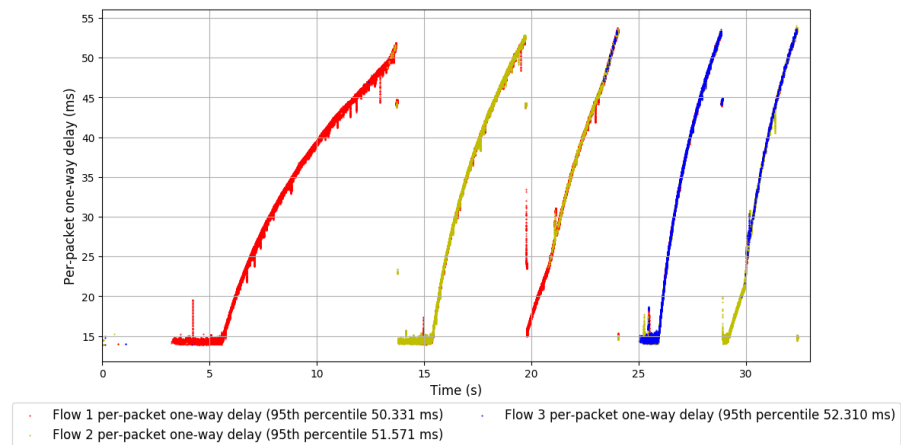
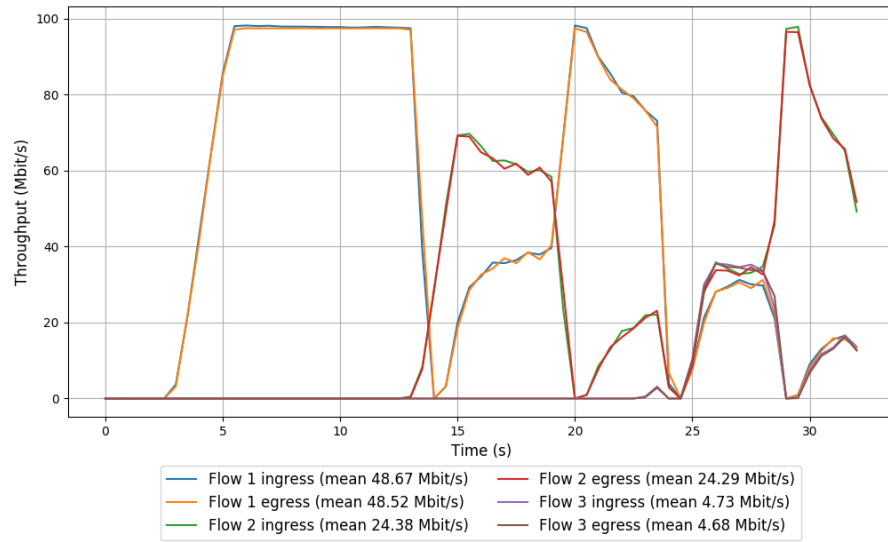
-- Flow 3:

Average throughput: 4.68 Mbit/s

95th percentile per-packet one-way delay: 52.310 ms

Loss rate: 1.23%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 09:32:59 +0000

End at: Sat, 01 Jul 2017 09:33:29 +0000

Local clock offset: 3.431 ms

Remote clock offset: -19.666 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:12:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.30 Mbit/s

95th percentile per-packet one-way delay: 47.423 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 7729.561 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 43.02 Mbit/s

95th percentile per-packet one-way delay: 47.143 ms

Loss rate: 0.09%

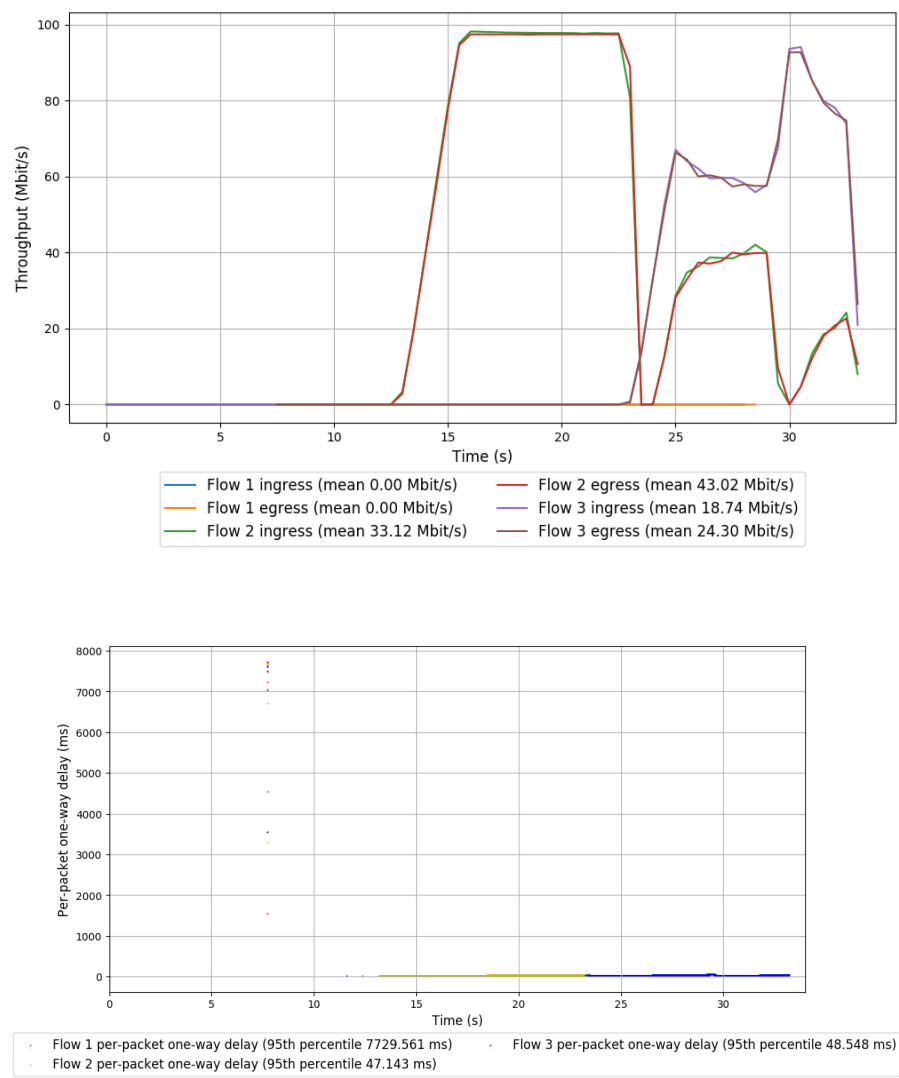
-- Flow 3:

Average throughput: 24.30 Mbit/s

95th percentile per-packet one-way delay: 48.548 ms

Loss rate: 0.05%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 09:51:34 +0000

End at: Sat, 01 Jul 2017 09:52:04 +0000

Local clock offset: 3.385 ms

Remote clock offset: -18.683 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:12:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.34 Mbit/s

95th percentile per-packet one-way delay: 50.096 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 41.48 Mbit/s

95th percentile per-packet one-way delay: 49.854 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 21.81 Mbit/s

95th percentile per-packet one-way delay: 50.518 ms

Loss rate: 0.47%

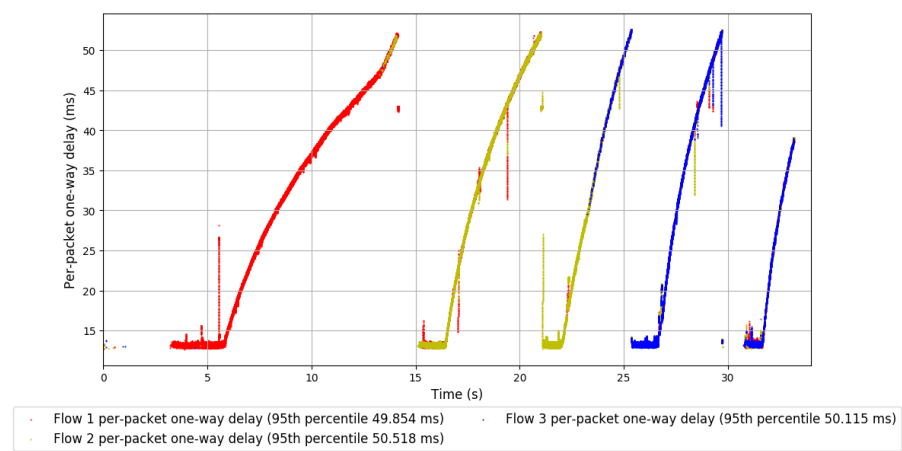
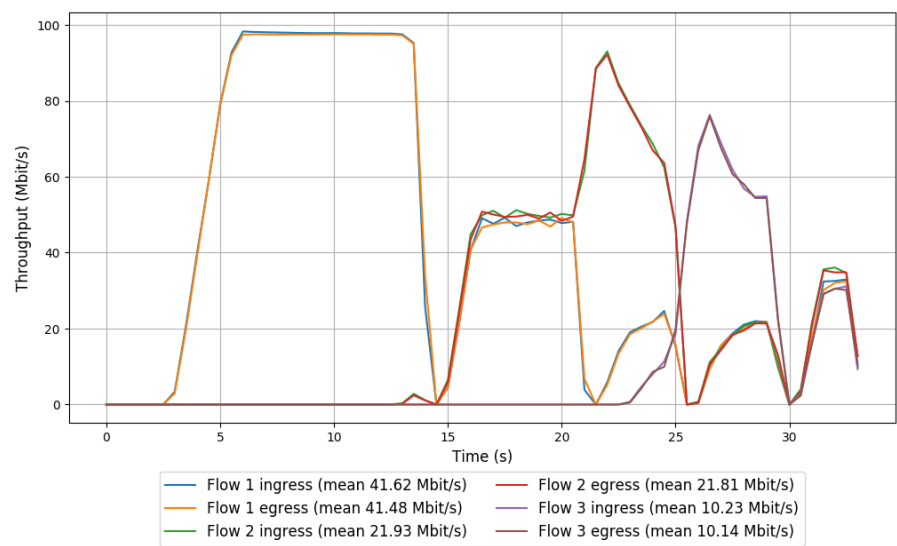
-- Flow 3:

Average throughput: 10.14 Mbit/s

95th percentile per-packet one-way delay: 50.115 ms

Loss rate: 0.73%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

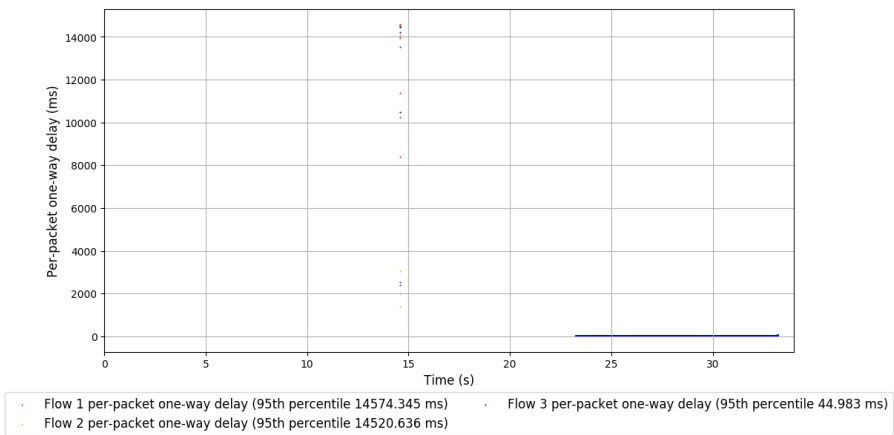
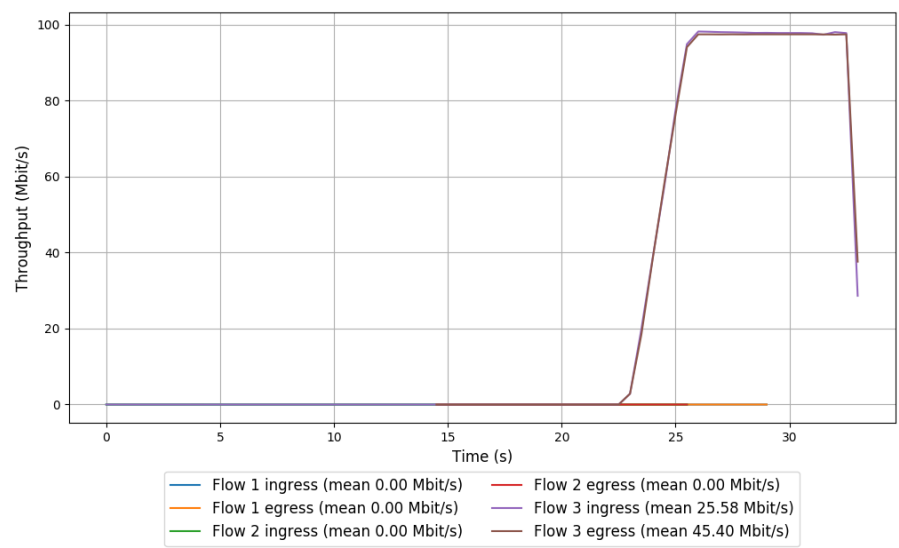
Start at: Sat, 01 Jul 2017 10:09:57 +0000

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

Local clock offset: -1.628 ms

Remote clock offset: -17.269 ms

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 10:28:12 +0000

End at: Sat, 01 Jul 2017 10:28:42 +0000

Local clock offset: -0.191 ms

Remote clock offset: -19.805 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:13:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.31 Mbit/s

95th percentile per-packet one-way delay: 50.402 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 45.25 Mbit/s

95th percentile per-packet one-way delay: 49.841 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 19.49 Mbit/s

95th percentile per-packet one-way delay: 51.170 ms

Loss rate: 0.54%

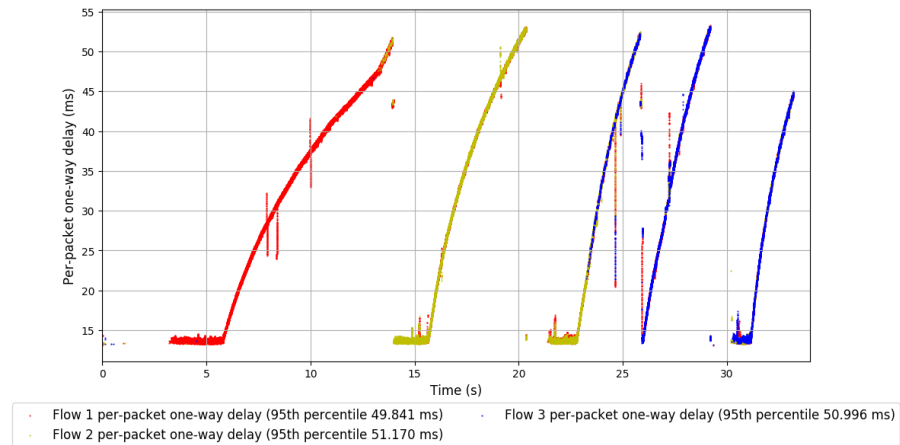
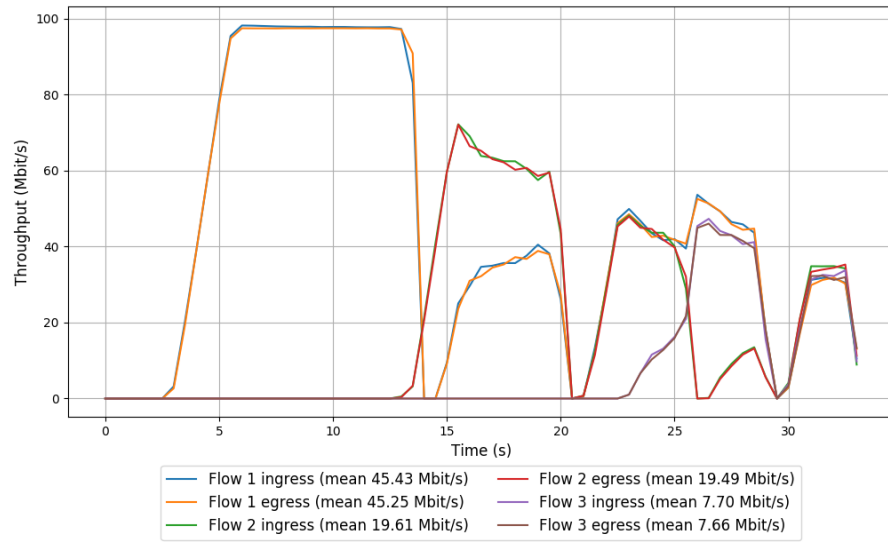
-- Flow 3:

Average throughput: 7.66 Mbit/s

95th percentile per-packet one-way delay: 50.996 ms

Loss rate: 0.43%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 10:46:31 +0000

End at: Sat, 01 Jul 2017 10:47:01 +0000

Local clock offset: -1.341 ms

Remote clock offset: -18.78 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:13:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.88 Mbit/s

95th percentile per-packet one-way delay: 50.903 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 49.14 Mbit/s

95th percentile per-packet one-way delay: 50.630 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 18.00 Mbit/s

95th percentile per-packet one-way delay: 52.020 ms

Loss rate: 0.64%

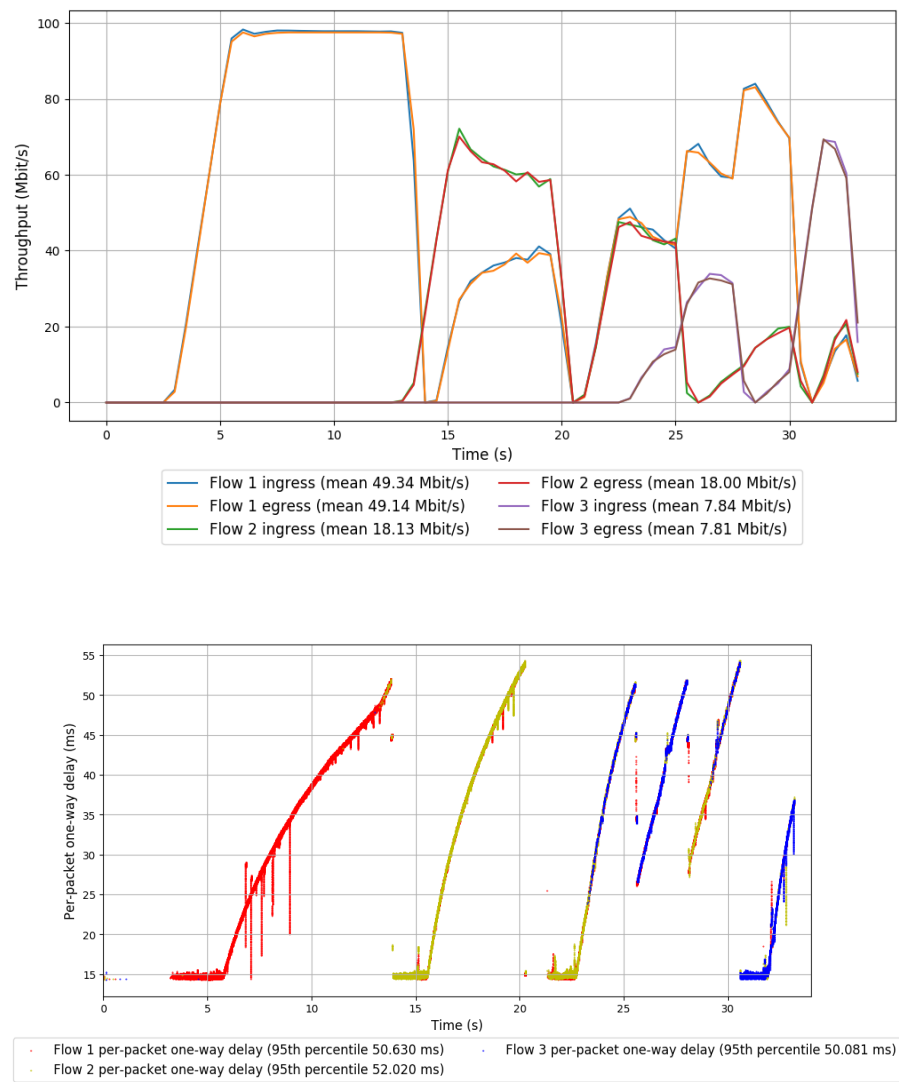
-- Flow 3:

Average throughput: 7.81 Mbit/s

95th percentile per-packet one-way delay: 50.081 ms

Loss rate: 0.21%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 11:04:44 +0000

End at: Sat, 01 Jul 2017 11:05:14 +0000

Local clock offset: -0.747 ms

Remote clock offset: -21.847 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:13:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.57 Mbit/s

95th percentile per-packet one-way delay: 51.161 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 48.47 Mbit/s

95th percentile per-packet one-way delay: 50.630 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 24.22 Mbit/s

95th percentile per-packet one-way delay: 51.667 ms

Loss rate: 0.58%

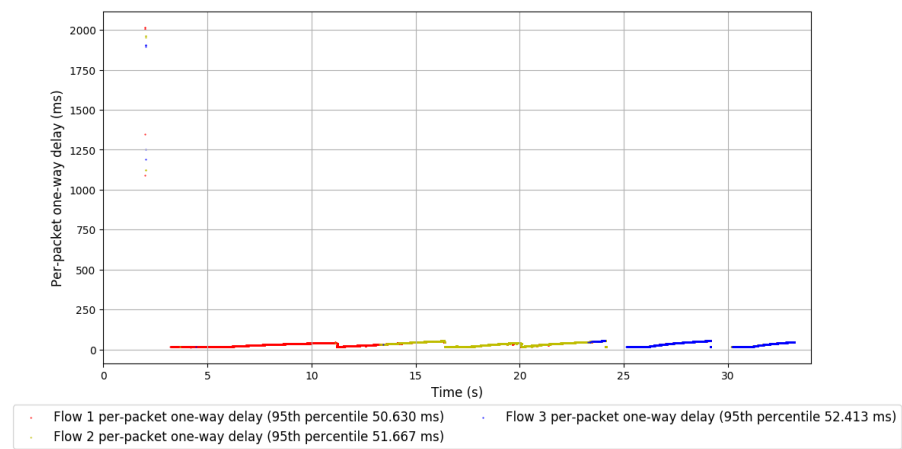
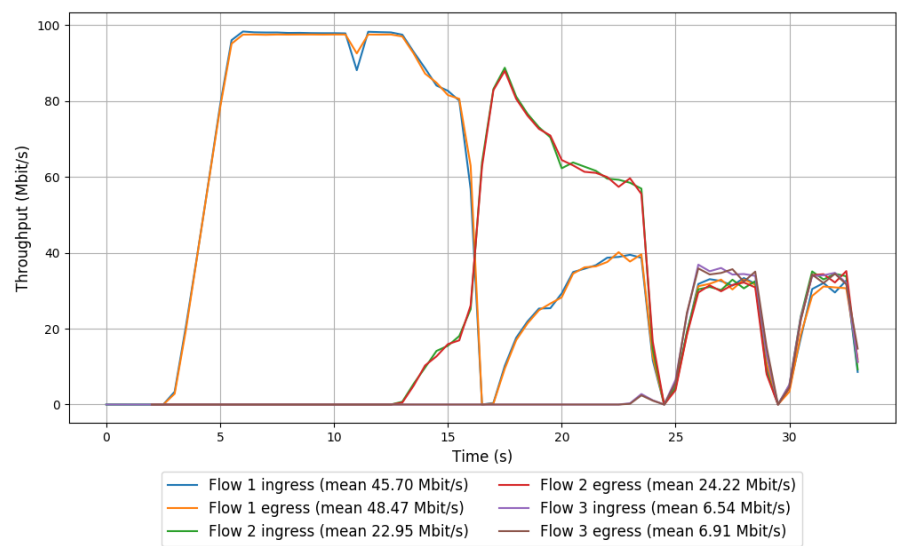
-- Flow 3:

Average throughput: 6.91 Mbit/s

95th percentile per-packet one-way delay: 52.413 ms

Loss rate: 0.34%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

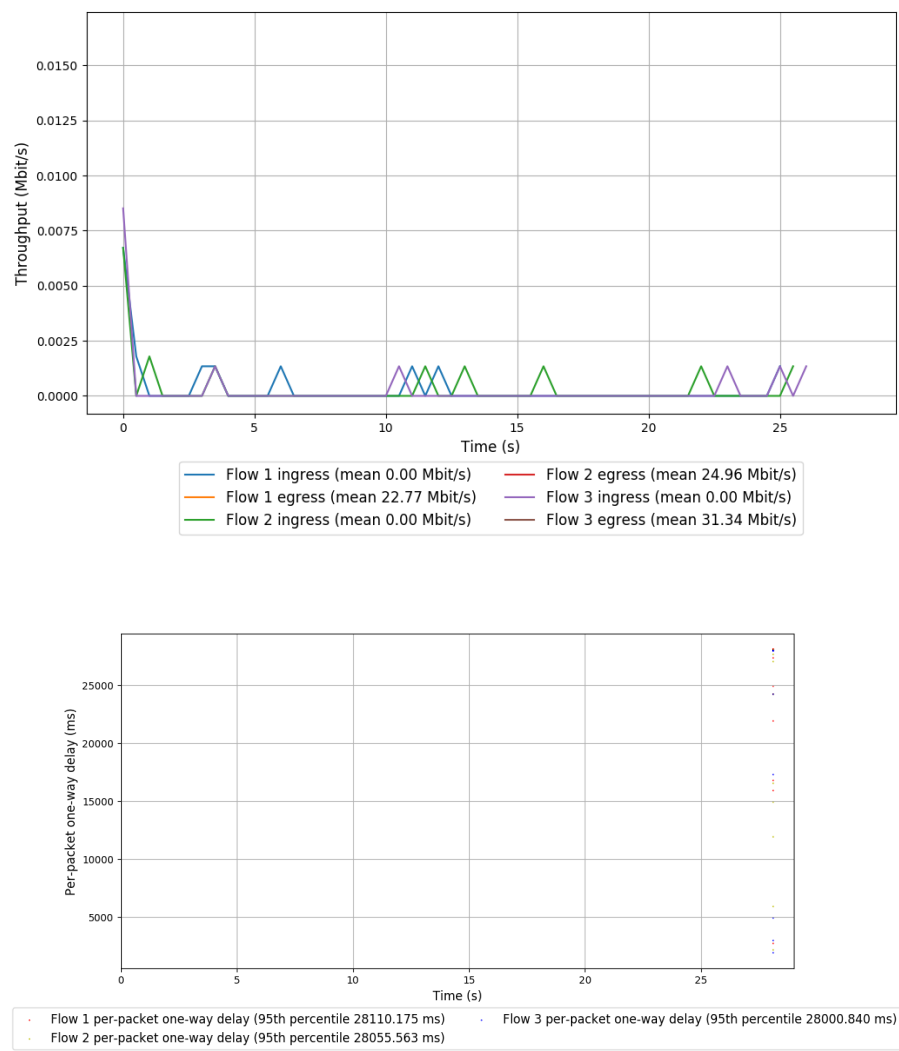
Start at: Sat, 01 Jul 2017 11:23:15 +0000

End at: Sat, 01 Jul 2017 11:23:45 +0000

Local clock offset: -0.84 ms

Remote clock offset: -20.09 ms

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 11:41:31 +0000

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

Local clock offset: -1.079 ms

Remote clock offset: -21.73 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:13:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.72 Mbit/s

95th percentile per-packet one-way delay: 51.316 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 45.51 Mbit/s

95th percentile per-packet one-way delay: 50.318 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 24.67 Mbit/s

95th percentile per-packet one-way delay: 51.994 ms

Loss rate: 0.63%

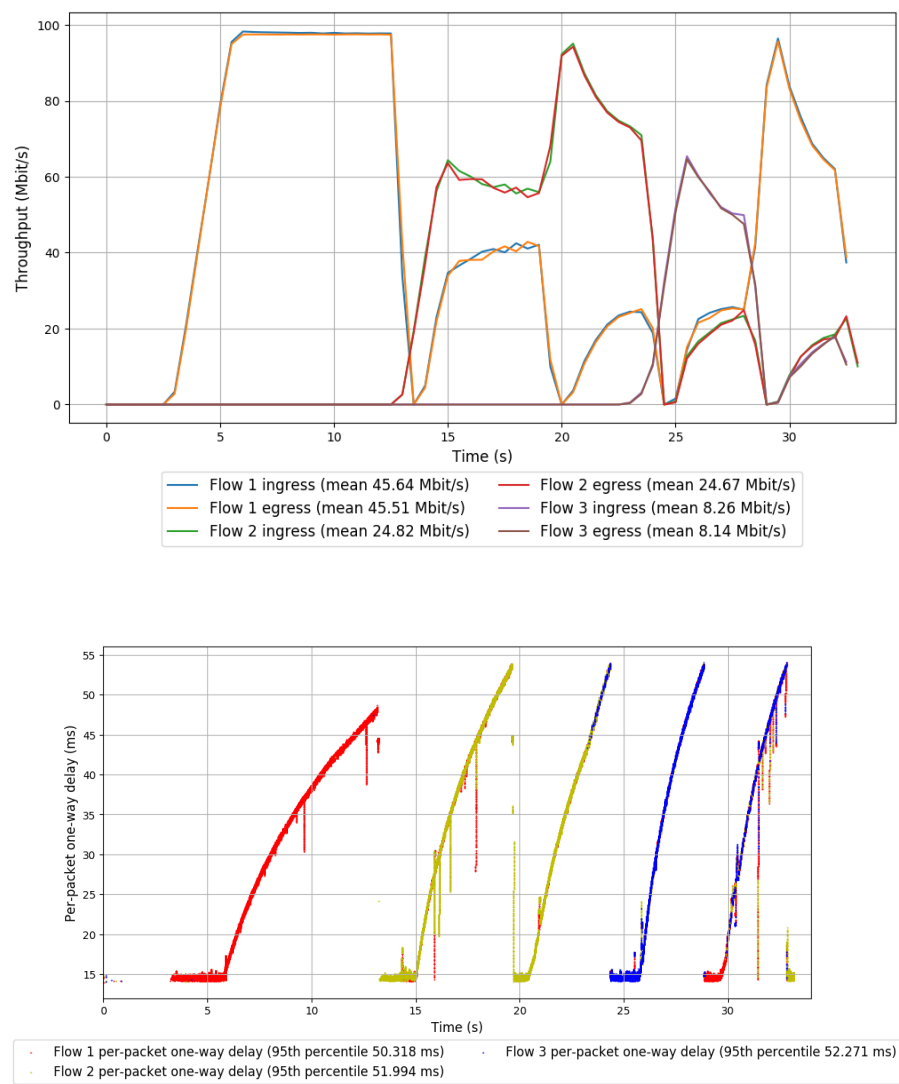
-- Flow 3:

Average throughput: 8.14 Mbit/s

95th percentile per-packet one-way delay: 52.271 ms

Loss rate: 1.39%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 11:59:42 +0000

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

Local clock offset: 4.027 ms

Remote clock offset: -19.809 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.09 Mbit/s

95th percentile per-packet one-way delay: 50.149 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 41.76 Mbit/s

95th percentile per-packet one-way delay: 50.134 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 30.08 Mbit/s

95th percentile per-packet one-way delay: 50.185 ms

Loss rate: 0.18%

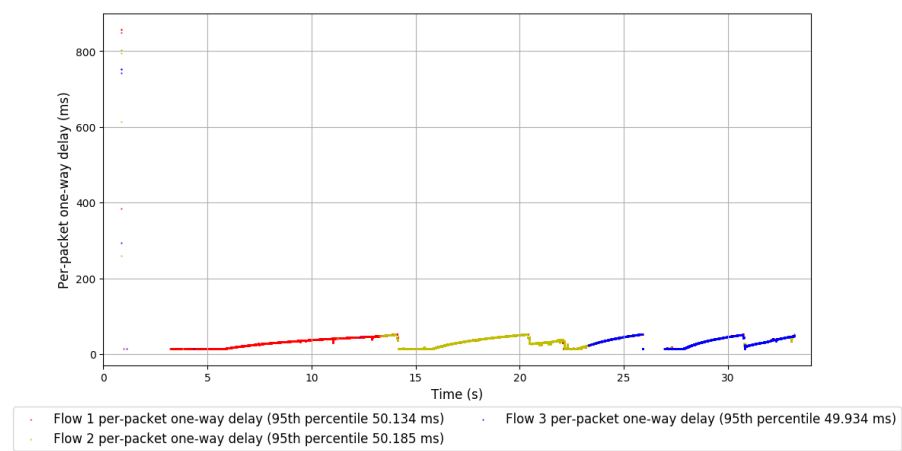
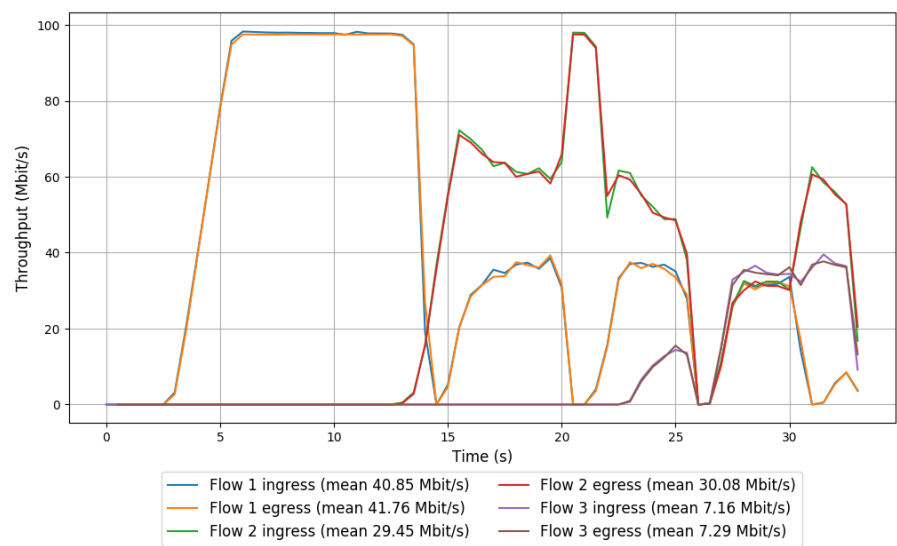
-- Flow 3:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 49.934 ms

Loss rate: 0.34%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sat, 01 Jul 2017 09:13:04 +0000

End at: Sat, 01 Jul 2017 09:13:34 +0000

Local clock offset: 0.578 ms

Remote clock offset: -19.777 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:13:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.13 Mbit/s

95th percentile per-packet one-way delay: 46.488 ms

Loss rate: 2.17%

-- Flow 1:

Average throughput: 61.15 Mbit/s

95th percentile per-packet one-way delay: 47.016 ms

Loss rate: 2.35%

-- Flow 2:

Average throughput: 12.69 Mbit/s

95th percentile per-packet one-way delay: 45.384 ms

Loss rate: 1.65%

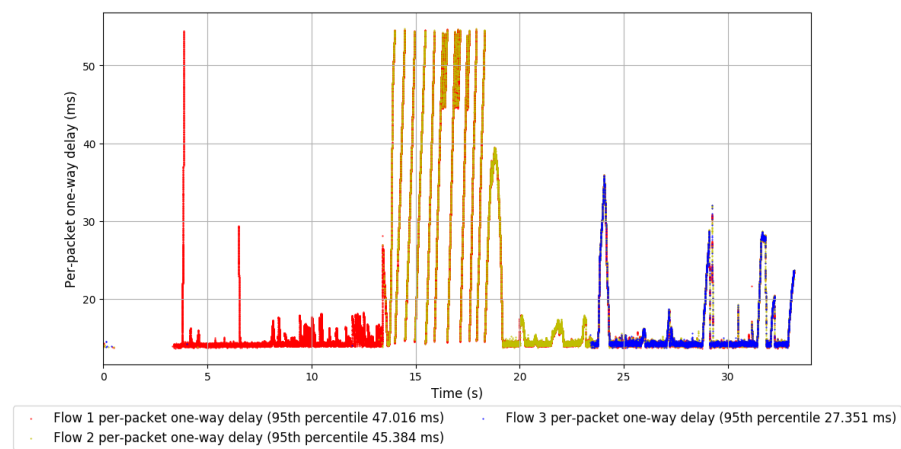
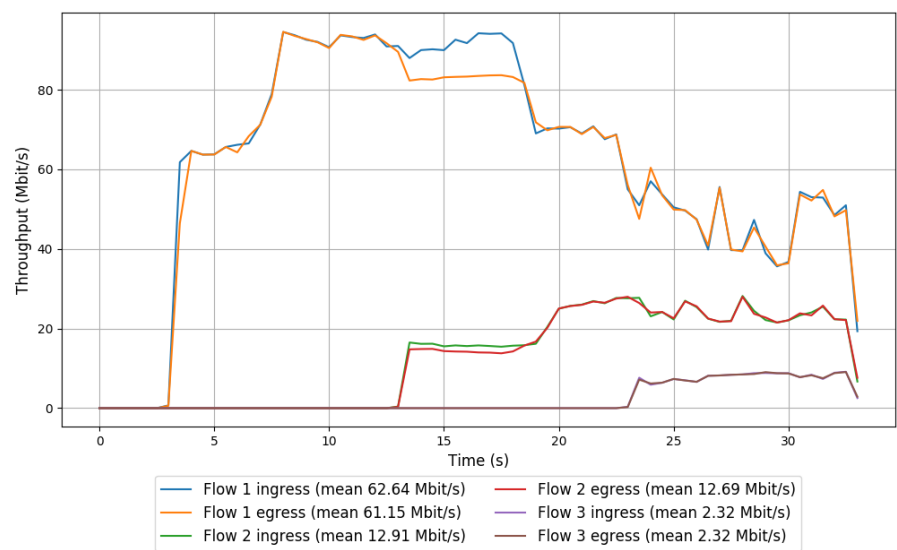
-- Flow 3:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 27.351 ms

Loss rate: 0.00%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sat, 01 Jul 2017 09:31:46 +0000

End at: Sat, 01 Jul 2017 09:32:16 +0000

Local clock offset: 3.574 ms

Remote clock offset: -18.577 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:13:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.39 Mbit/s

95th percentile per-packet one-way delay: 48.413 ms

Loss rate: 6.82%

-- Flow 1:

Average throughput: 66.60 Mbit/s

95th percentile per-packet one-way delay: 48.374 ms

Loss rate: 6.78%

-- Flow 2:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 49.777 ms

Loss rate: 8.76%

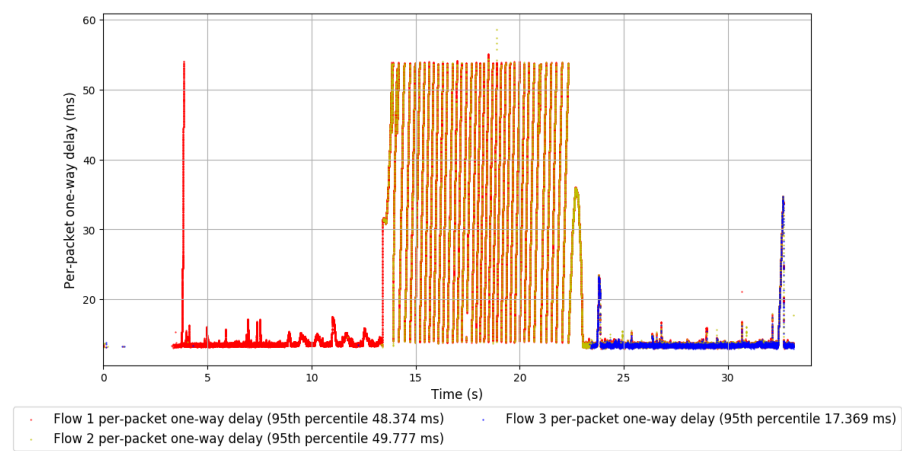
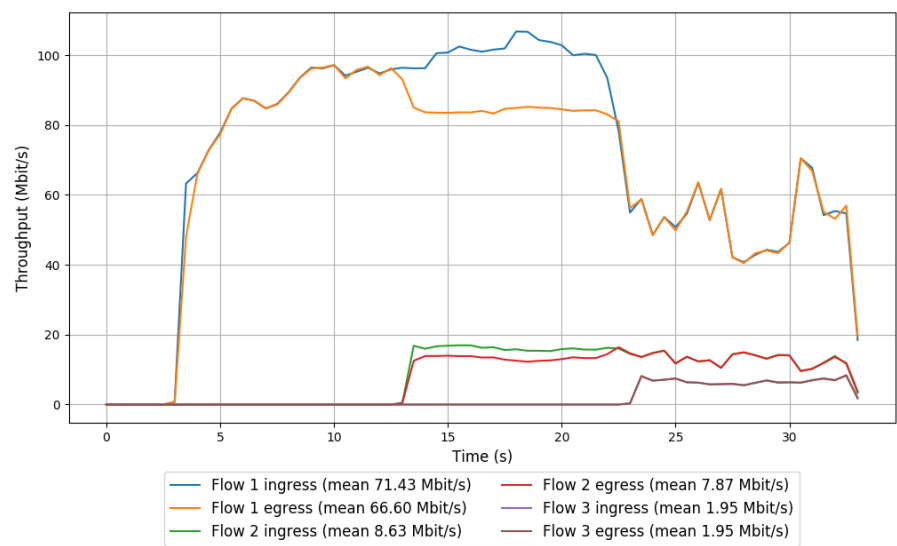
-- Flow 3:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 17.369 ms

Loss rate: 0.00%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sat, 01 Jul 2017 09:50:23 +0000

End at: Sat, 01 Jul 2017 09:50:53 +0000

Local clock offset: 1.854 ms

Remote clock offset: -17.502 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:13:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.15 Mbit/s

95th percentile per-packet one-way delay: 21.638 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 62.61 Mbit/s

95th percentile per-packet one-way delay: 21.327 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 12.22 Mbit/s

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

Loss rate: 0.21%

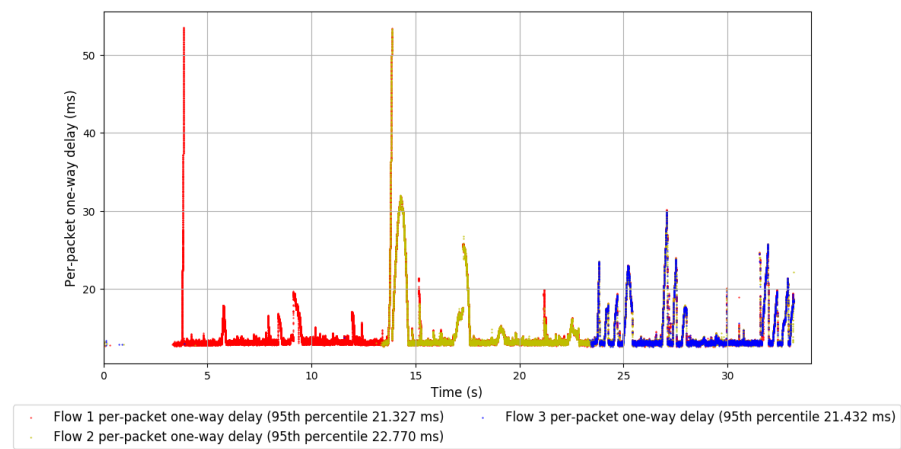
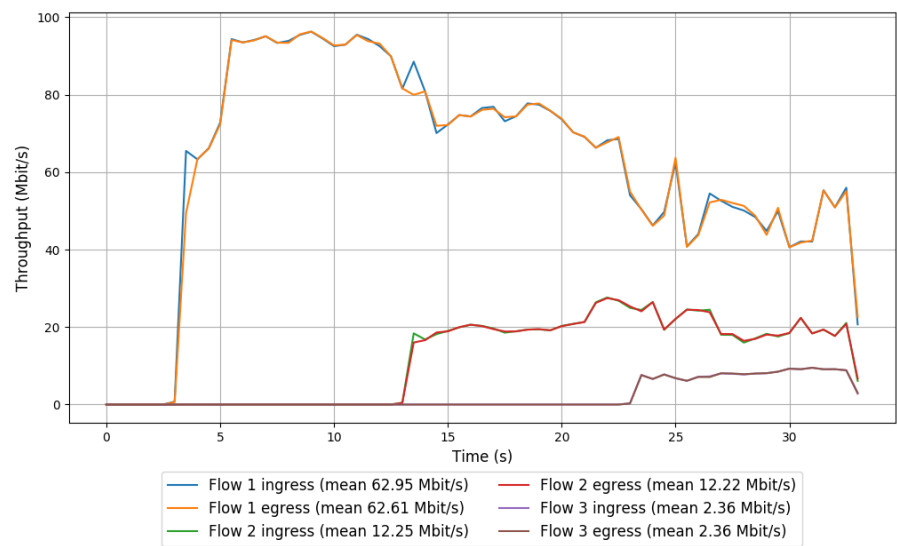
-- Flow 3:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 21.432 ms

Loss rate: 0.02%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sat, 01 Jul 2017 10:08:47 +0000

End at: Sat, 01 Jul 2017 10:09:17 +0000

Local clock offset: 0.203 ms

Remote clock offset: -16.98 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:13:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.58 Mbit/s

95th percentile per-packet one-way delay: 17.945 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 69.49 Mbit/s

95th percentile per-packet one-way delay: 17.766 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 5.99 Mbit/s

95th percentile per-packet one-way delay: 19.287 ms

Loss rate: 0.00%

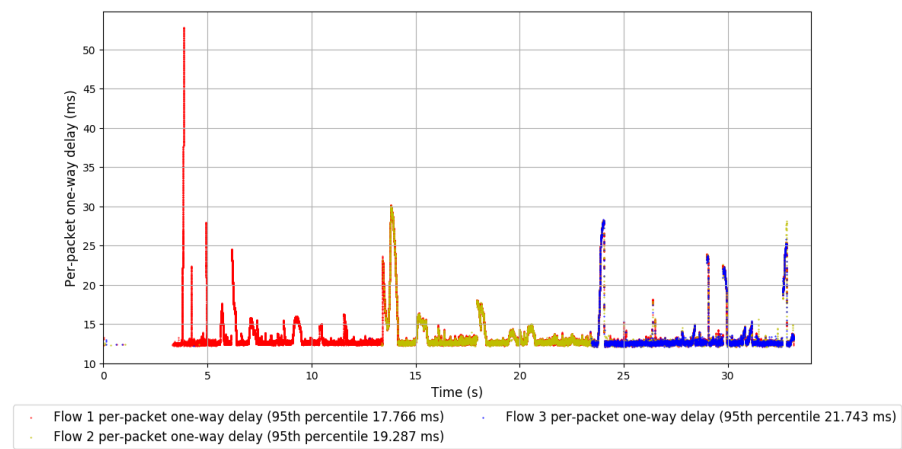
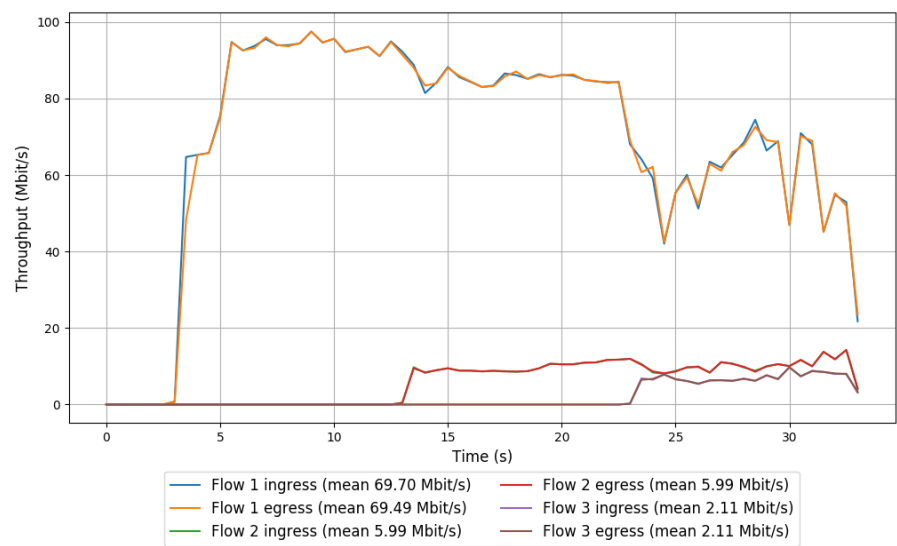
-- Flow 3:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 21.743 ms

Loss rate: 0.00%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

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

End at: Sat, 01 Jul 2017 10:27:31 +0000

Local clock offset: 1.319 ms

Remote clock offset: -20.224 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:13:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.86 Mbit/s

95th percentile per-packet one-way delay: 31.917 ms

Loss rate: 3.59%

-- Flow 1:

Average throughput: 64.04 Mbit/s

95th percentile per-packet one-way delay: 28.332 ms

Loss rate: 3.79%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 35.269 ms

Loss rate: 3.08%

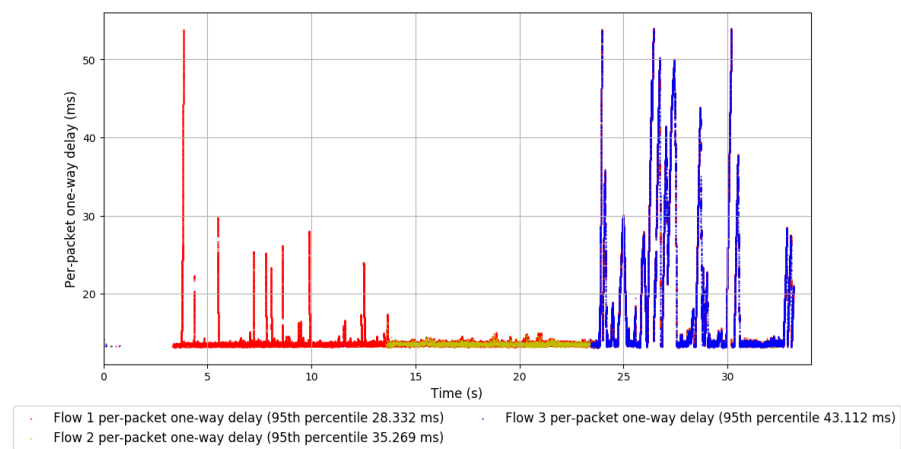
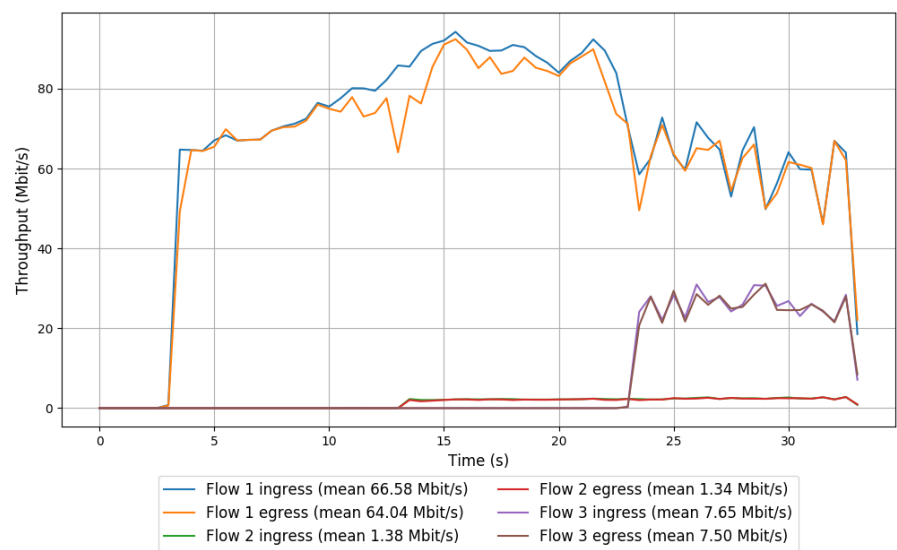
-- Flow 3:

Average throughput: 7.50 Mbit/s

95th percentile per-packet one-way delay: 43.112 ms

Loss rate: 1.96%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sat, 01 Jul 2017 10:45:18 +0000

End at: Sat, 01 Jul 2017 10:45:48 +0000

Local clock offset: -1.782 ms

Remote clock offset: -21.071 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:14:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.91 Mbit/s

95th percentile per-packet one-way delay: 39.096 ms

Loss rate: 1.50%

-- Flow 1:

Average throughput: 62.28 Mbit/s

95th percentile per-packet one-way delay: 39.287 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 11.20 Mbit/s

95th percentile per-packet one-way delay: 41.035 ms

Loss rate: 1.44%

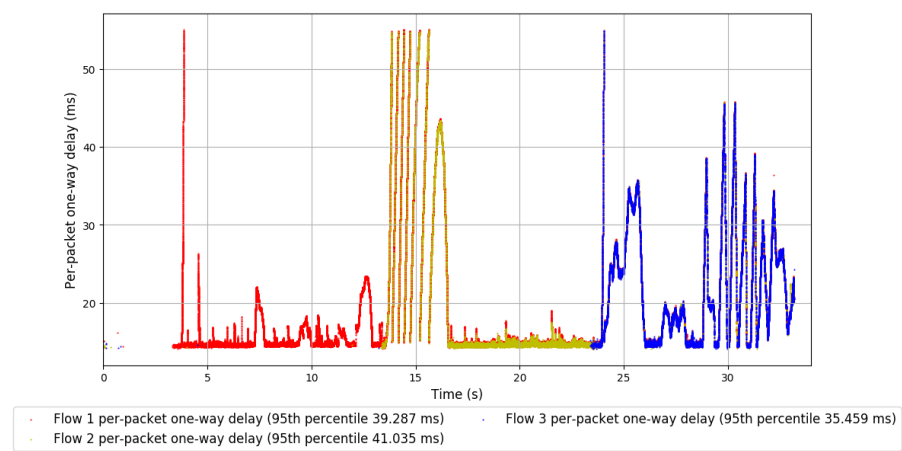
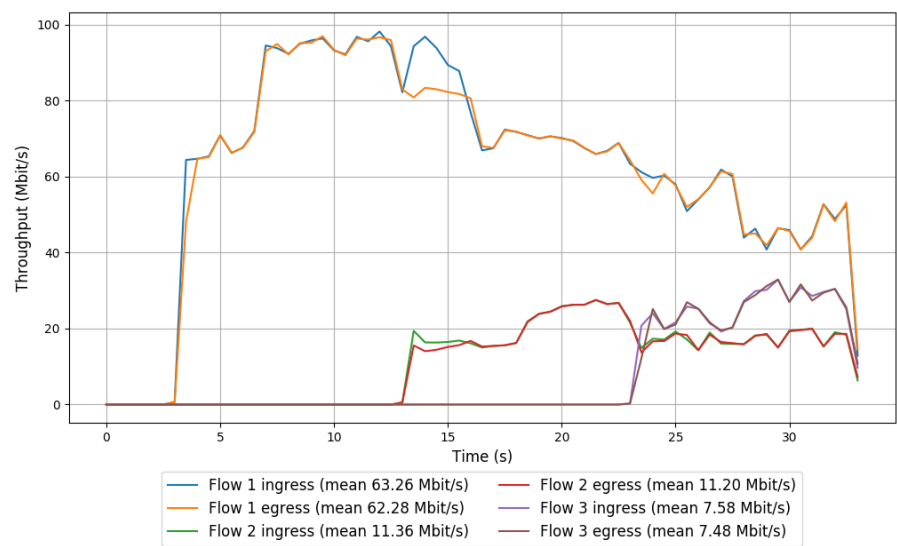
-- Flow 3:

Average throughput: 7.48 Mbit/s

95th percentile per-packet one-way delay: 35.459 ms

Loss rate: 1.29%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sat, 01 Jul 2017 11:03:33 +0000

End at: Sat, 01 Jul 2017 11:04:03 +0000

Local clock offset: -1.748 ms

Remote clock offset: -21.315 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:14:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.88 Mbit/s

95th percentile per-packet one-way delay: 30.626 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 68.35 Mbit/s

95th percentile per-packet one-way delay: 30.190 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 7.48 Mbit/s

95th percentile per-packet one-way delay: 32.665 ms

Loss rate: 0.14%

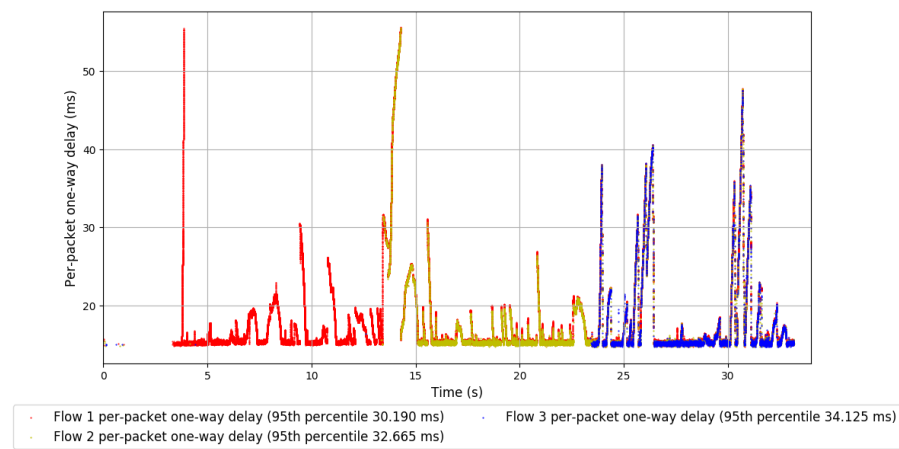
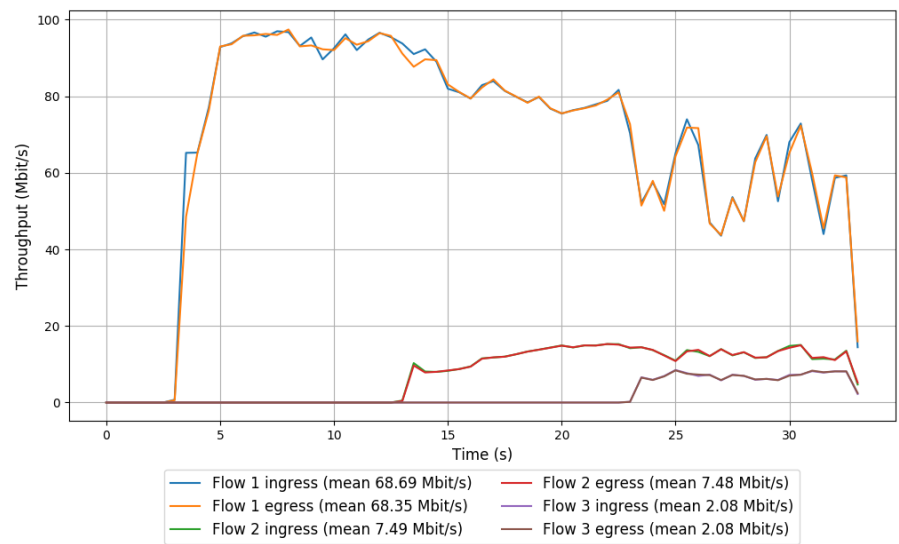
-- Flow 3:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 34.125 ms

Loss rate: 0.00%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

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

End at: Sat, 01 Jul 2017 11:22:31 +0000

Local clock offset: -0.388 ms

Remote clock offset: -20.508 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.86 Mbit/s

95th percentile per-packet one-way delay: 36.628 ms

Loss rate: 0.52%

-- Flow 1:

Average throughput: 64.57 Mbit/s

95th percentile per-packet one-way delay: 37.458 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 9.25 Mbit/s

95th percentile per-packet one-way delay: 33.887 ms

Loss rate: 0.45%

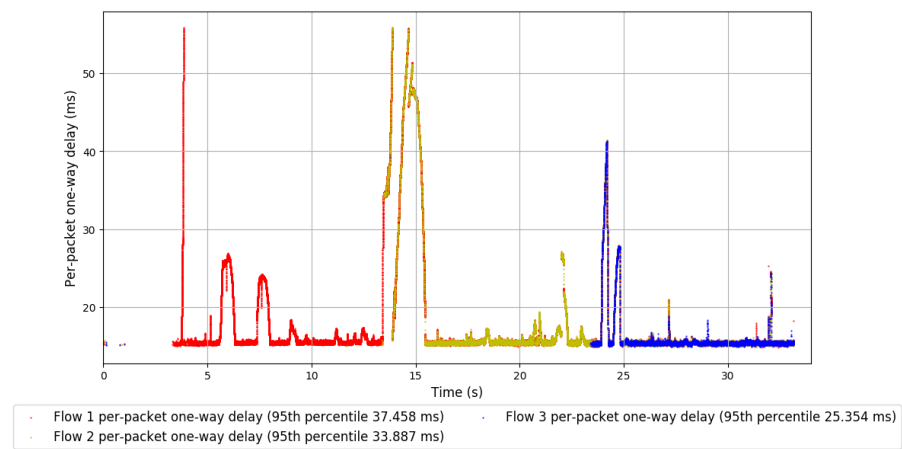
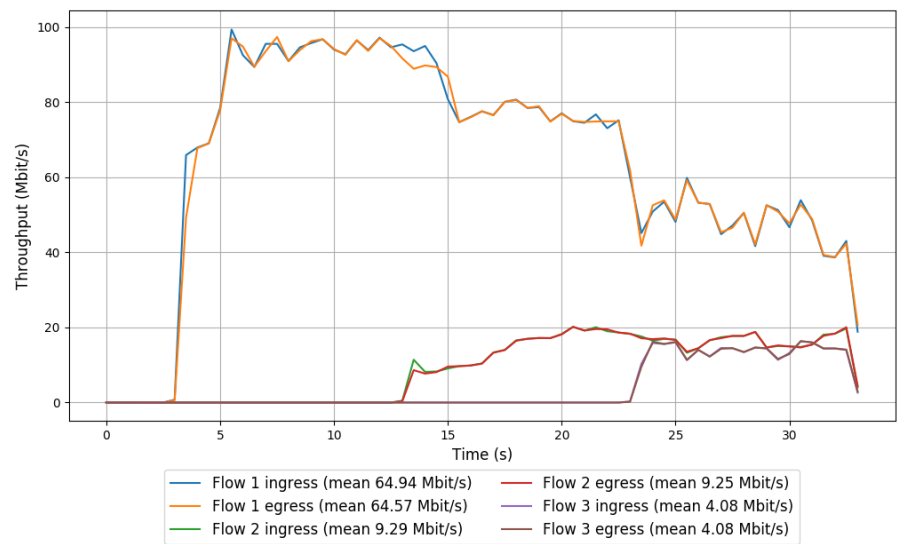
-- Flow 3:

Average throughput: 4.08 Mbit/s

95th percentile per-packet one-way delay: 25.354 ms

Loss rate: 0.00%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sat, 01 Jul 2017 11:40:19 +0000

End at: Sat, 01 Jul 2017 11:40:49 +0000

Local clock offset: 0.141 ms

Remote clock offset: -17.536 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:14:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.39 Mbit/s

95th percentile per-packet one-way delay: 45.031 ms

Loss rate: 4.81%

-- Flow 1:

Average throughput: 66.20 Mbit/s

95th percentile per-packet one-way delay: 42.877 ms

Loss rate: 4.04%

-- Flow 2:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 46.023 ms

Loss rate: 5.28%

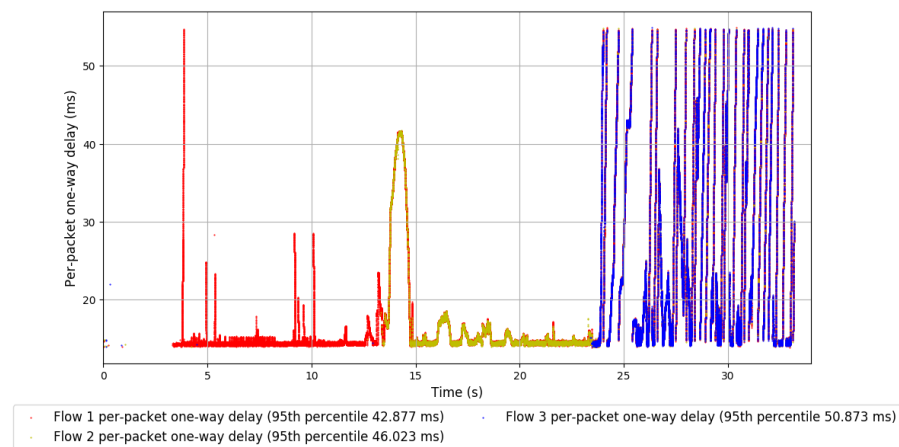
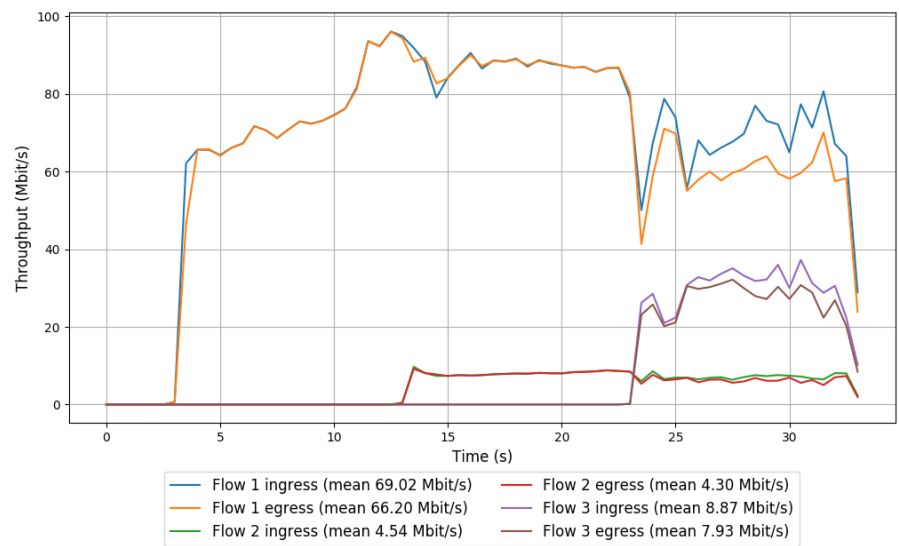
-- Flow 3:

Average throughput: 7.93 Mbit/s

95th percentile per-packet one-way delay: 50.873 ms

Loss rate: 10.56%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sat, 01 Jul 2017 11:58:32 +0000

End at: Sat, 01 Jul 2017 11:59:02 +0000

Local clock offset: 1.13 ms

Remote clock offset: -21.311 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.31 Mbit/s

95th percentile per-packet one-way delay: 23.907 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 65.94 Mbit/s

95th percentile per-packet one-way delay: 24.028 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 23.492 ms

Loss rate: 0.15%

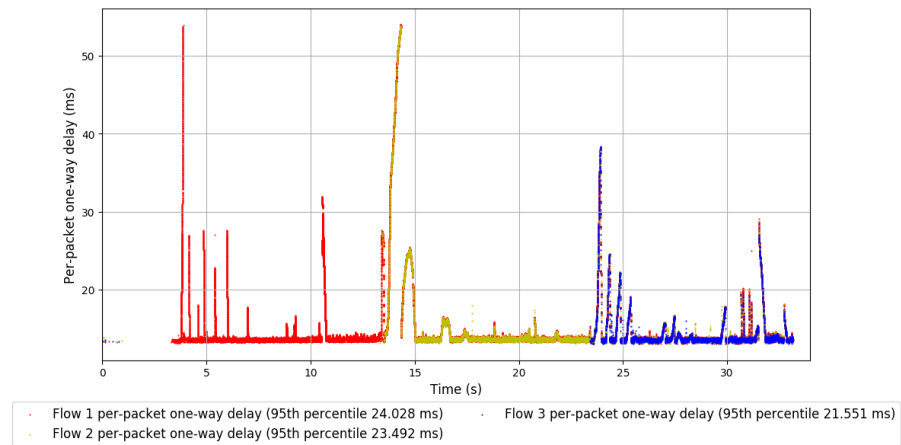
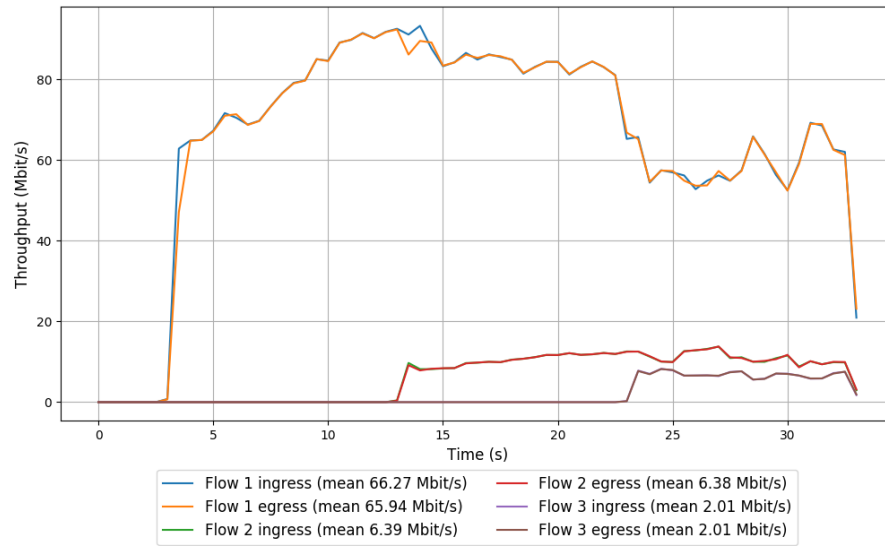
-- Flow 3:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 21.551 ms

Loss rate: 0.00%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 09:20:17 +0000

End at: Sat, 01 Jul 2017 09:20:47 +0000

Local clock offset: 2.858 ms

Remote clock offset: -19.146 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:14:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.71 Mbit/s

95th percentile per-packet one-way delay: 16.277 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 16.47 Mbit/s

95th percentile per-packet one-way delay: 15.804 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 16.54 Mbit/s

95th percentile per-packet one-way delay: 14.578 ms

Loss rate: 0.00%

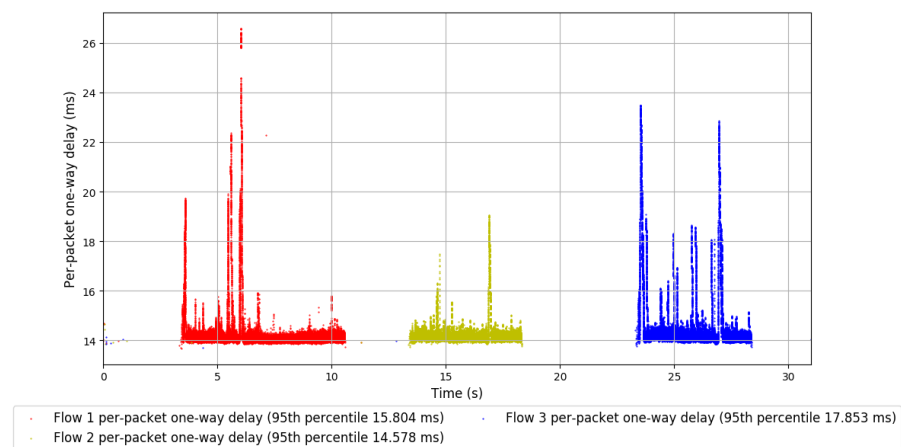
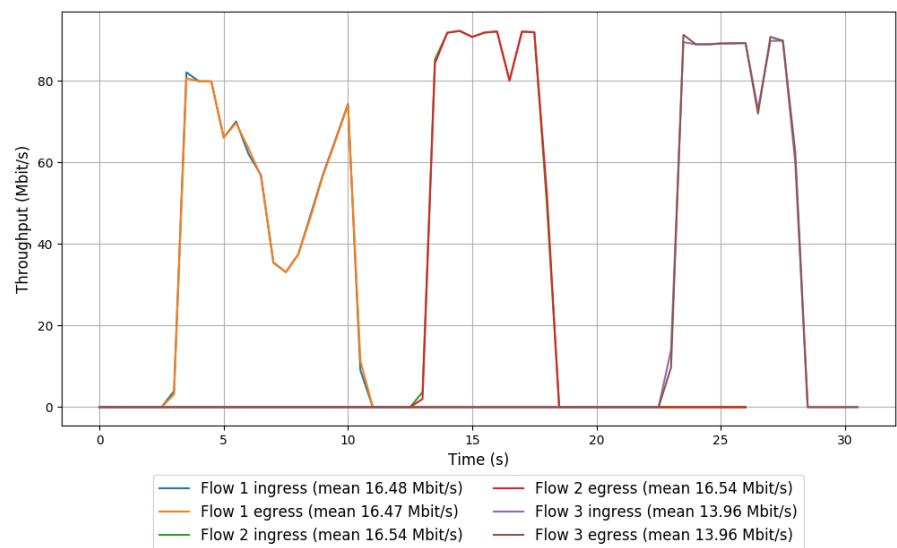
-- Flow 3:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 17.853 ms

Loss rate: 0.00%

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



Run 2: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 09:38:59 +0000

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

Local clock offset: 0.434 ms

Remote clock offset: -18.501 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:14:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.56 Mbit/s

95th percentile per-packet one-way delay: 15.718 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 14.85 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.88 Mbit/s

95th percentile per-packet one-way delay: 18.682 ms

Loss rate: 0.00%

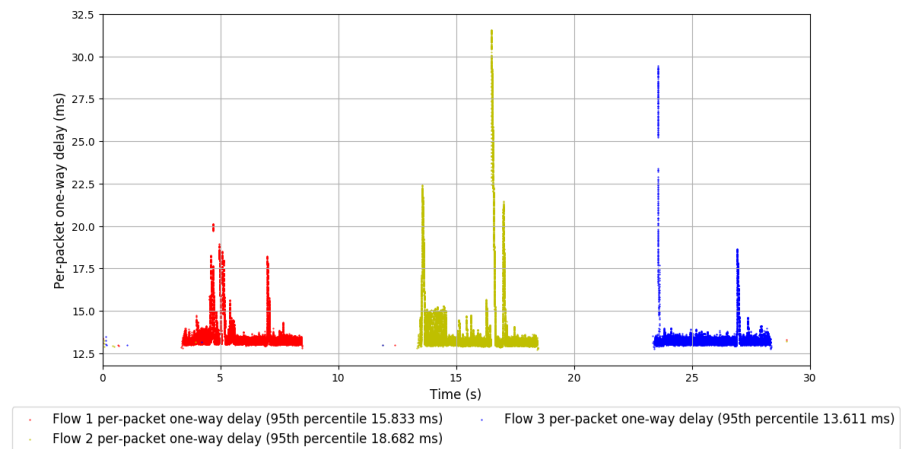
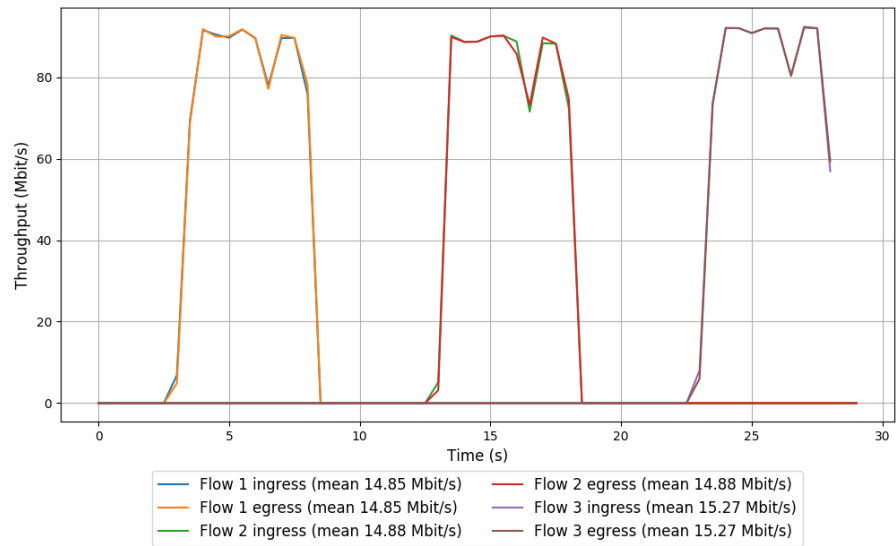
-- Flow 3:

Average throughput: 15.27 Mbit/s

95th percentile per-packet one-way delay: 13.611 ms

Loss rate: 0.00%

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



Run 3: Statistics of QUIC Cubic (toy)

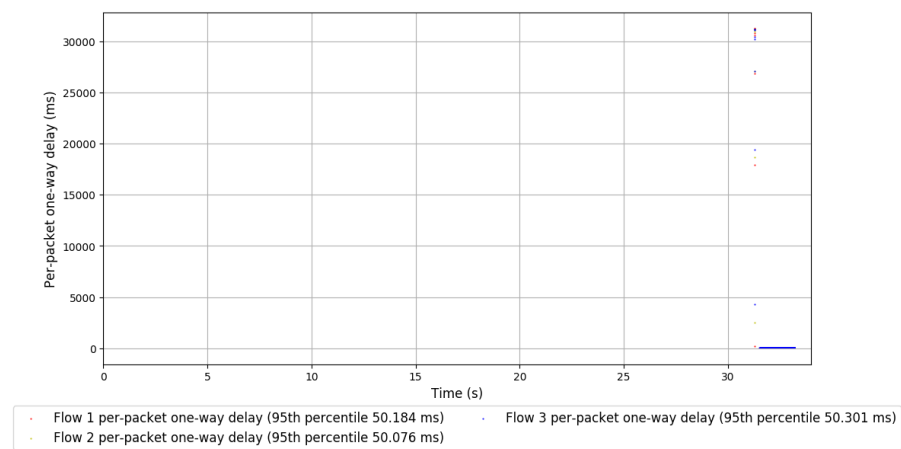
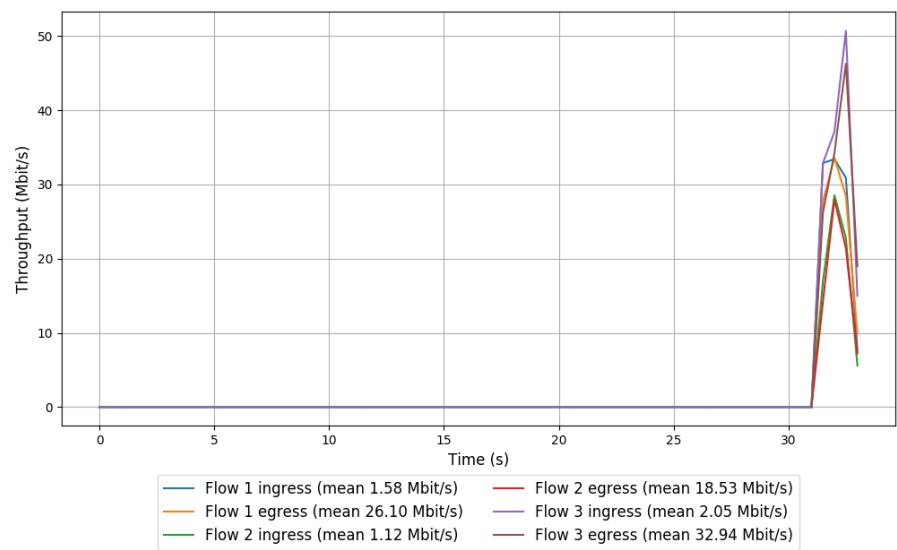
Start at: Sat, 01 Jul 2017 09:57:42 +0000

End at: Sat, 01 Jul 2017 09:58:12 +0000

Local clock offset: 2.787 ms

Remote clock offset: -17.782 ms

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



Run 4: Statistics of QUIC Cubic (toy)

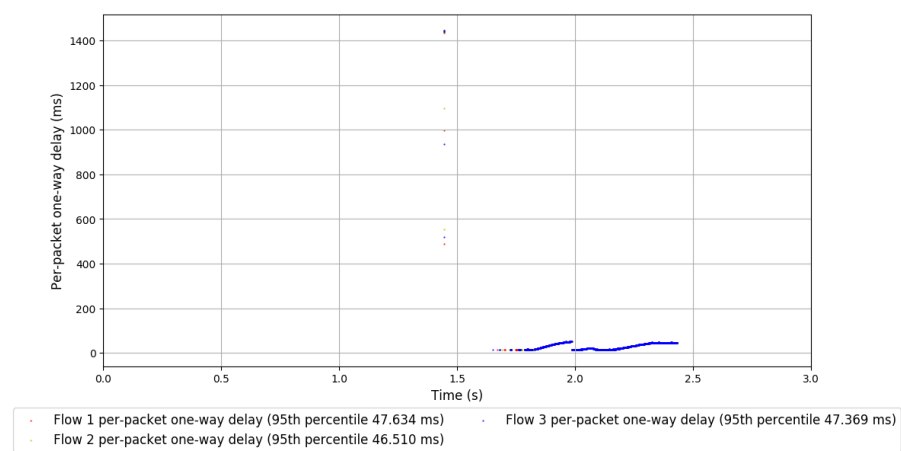
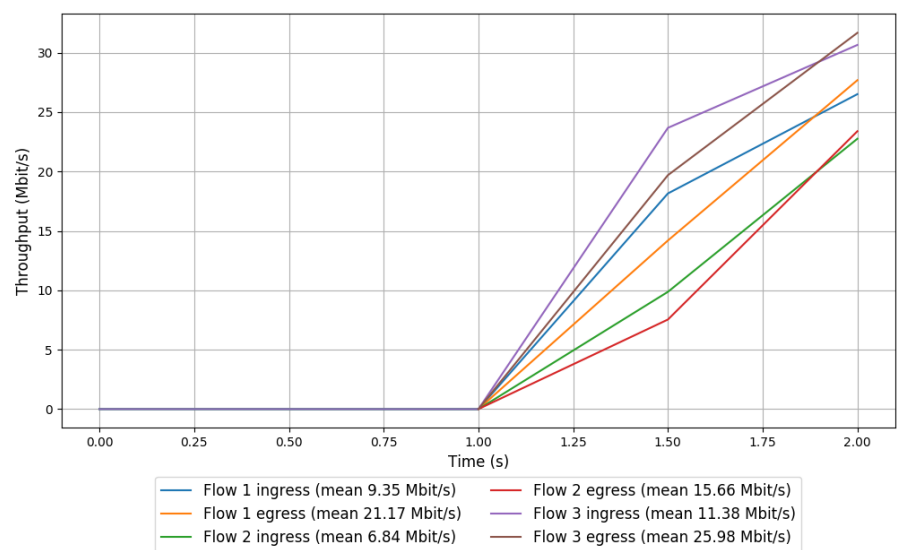
Start at: Sat, 01 Jul 2017 10:15:54 +0000

End at: Sat, 01 Jul 2017 10:16:24 +0000

Local clock offset: -0.539 ms

Remote clock offset: -18.928 ms

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



Run 5: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 10:34:06 +0000

End at: Sat, 01 Jul 2017 10:34:36 +0000

Local clock offset: 2.834 ms

Remote clock offset: -20.676 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:14:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.30 Mbit/s

95th percentile per-packet one-way delay: 18.963 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 16.47 Mbit/s

95th percentile per-packet one-way delay: 15.479 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.67 Mbit/s

95th percentile per-packet one-way delay: 14.366 ms

Loss rate: 0.00%

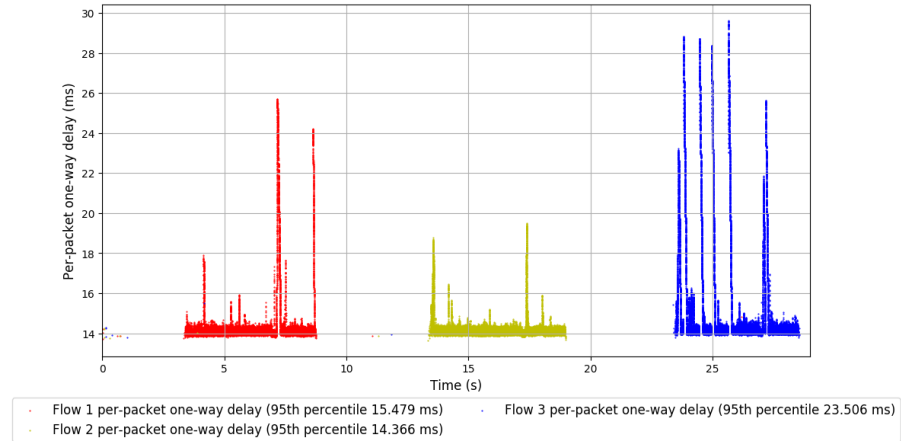
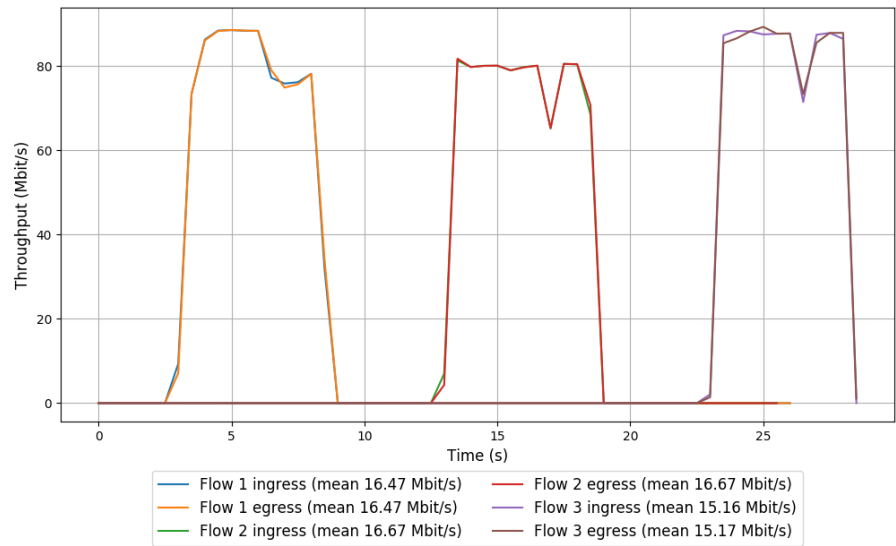
-- Flow 3:

Average throughput: 15.17 Mbit/s

95th percentile per-packet one-way delay: 23.506 ms

Loss rate: 0.00%

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



Run 6: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 10:52:29 +0000

End at: Sat, 01 Jul 2017 10:52:59 +0000

Local clock offset: -0.1 ms

Remote clock offset: -20.774 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:14:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.10 Mbit/s

95th percentile per-packet one-way delay: 19.206 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 15.03 Mbit/s

95th percentile per-packet one-way delay: 22.941 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.62 Mbit/s

95th percentile per-packet one-way delay: 15.347 ms

Loss rate: 0.00%

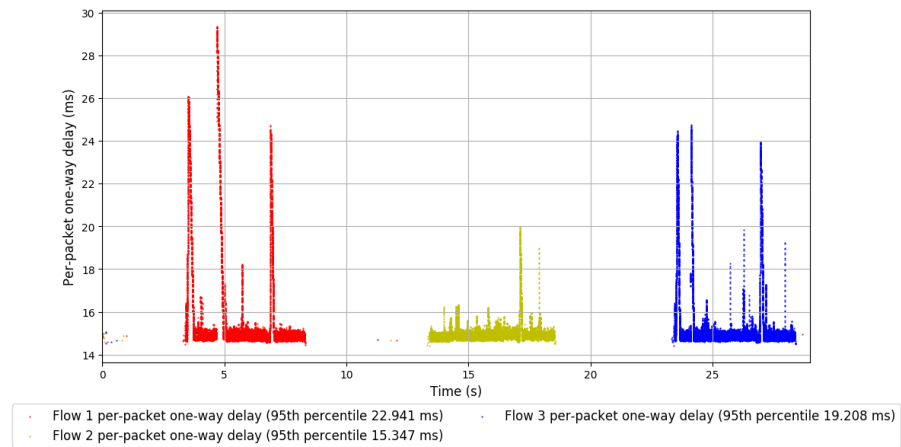
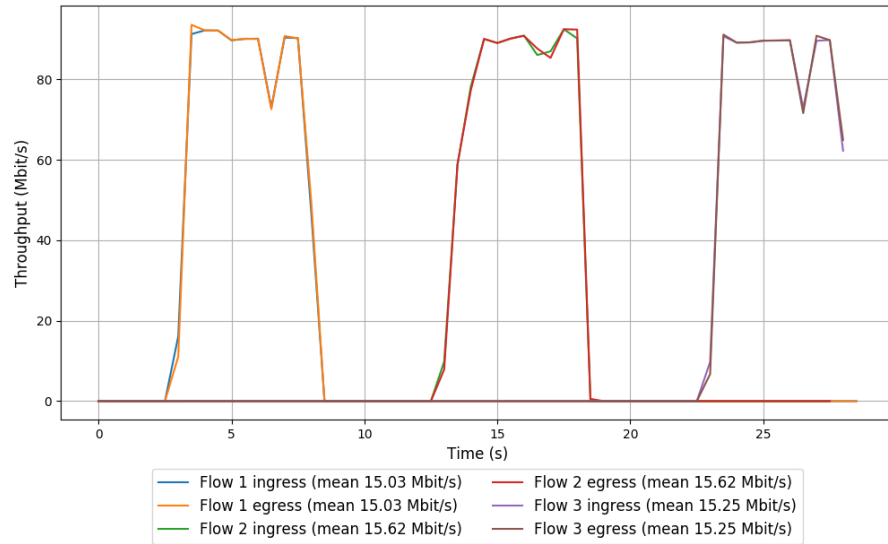
-- Flow 3:

Average throughput: 15.25 Mbit/s

95th percentile per-packet one-way delay: 19.208 ms

Loss rate: 0.00%

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



Run 7: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 11:10:42 +0000

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

Local clock offset: -0.108 ms

Remote clock offset: -22.325 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:14:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.03 Mbit/s

95th percentile per-packet one-way delay: 18.285 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 15.82 Mbit/s

95th percentile per-packet one-way delay: 15.478 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.03 Mbit/s

95th percentile per-packet one-way delay: 16.295 ms

Loss rate: 0.00%

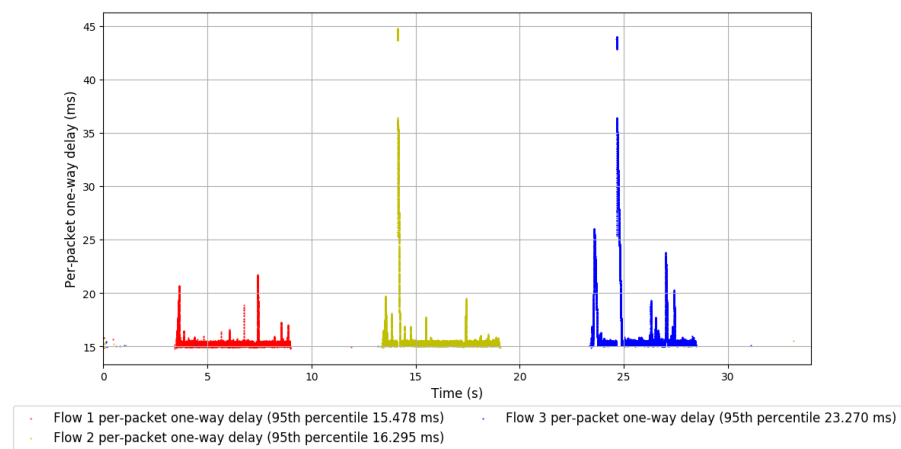
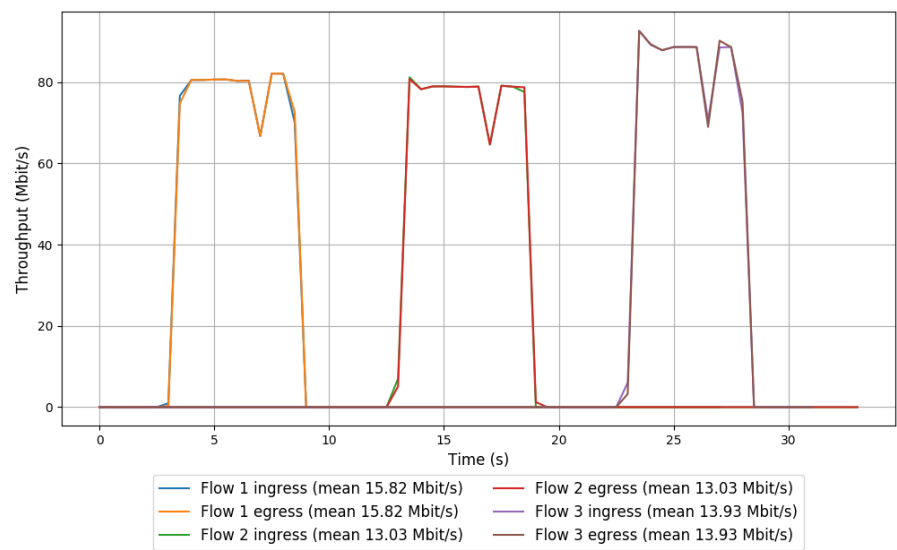
-- Flow 3:

Average throughput: 13.93 Mbit/s

95th percentile per-packet one-way delay: 23.270 ms

Loss rate: 0.00%

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



Run 8: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 11:29:03 +0000

End at: Sat, 01 Jul 2017 11:29:33 +0000

Local clock offset: -1.328 ms

Remote clock offset: -22.466 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:14:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.12 Mbit/s

95th percentile per-packet one-way delay: 19.062 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 15.68 Mbit/s

95th percentile per-packet one-way delay: 19.877 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.65 Mbit/s

95th percentile per-packet one-way delay: 19.549 ms

Loss rate: 0.69%

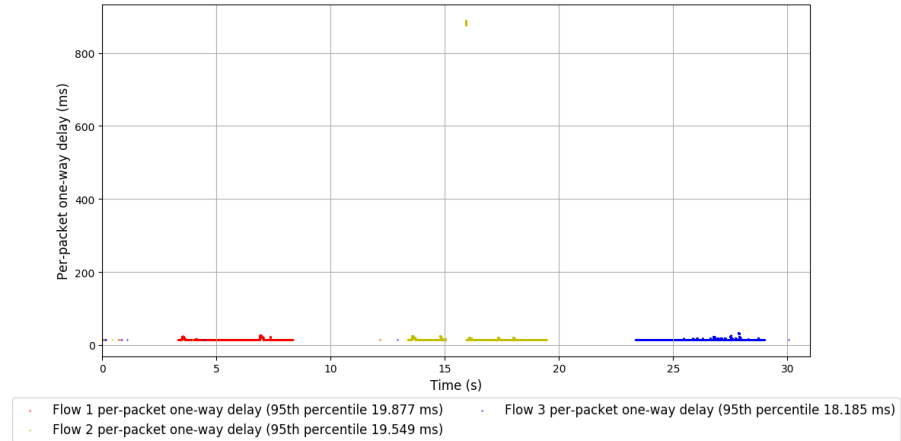
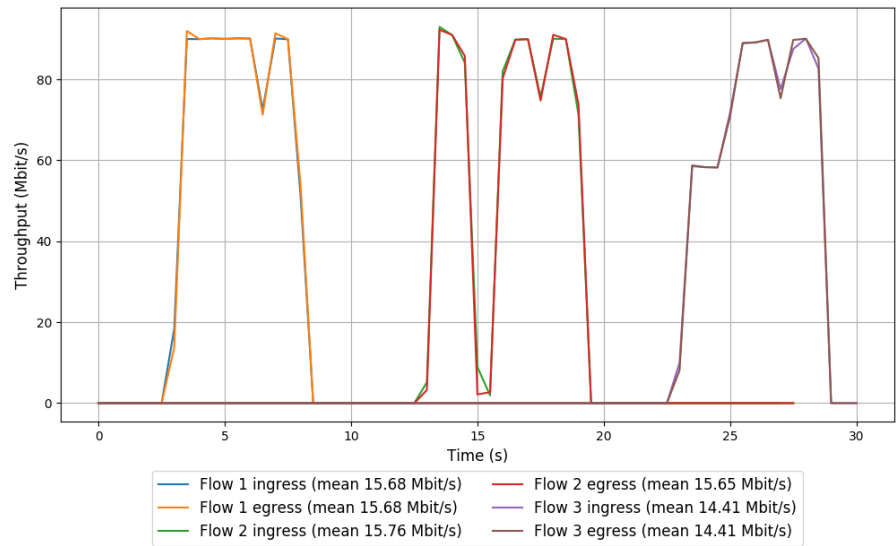
-- Flow 3:

Average throughput: 14.41 Mbit/s

95th percentile per-packet one-way delay: 18.185 ms

Loss rate: 0.00%

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



Run 9: Statistics of QUIC Cubic (toy)

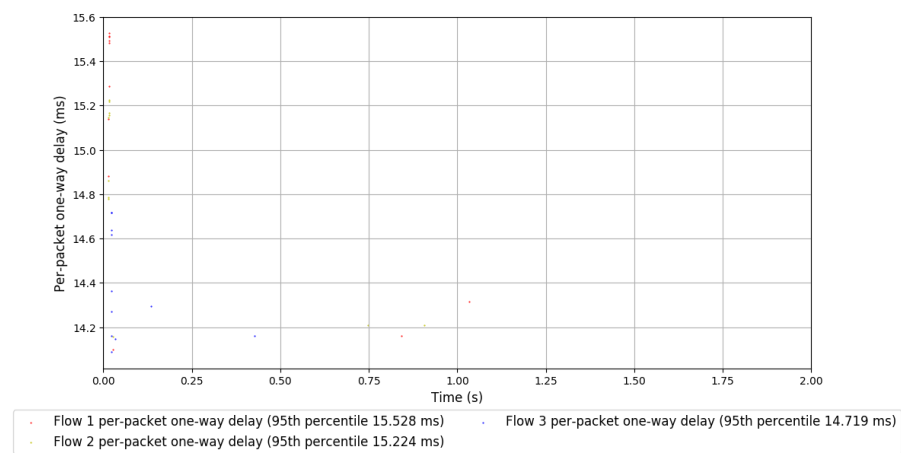
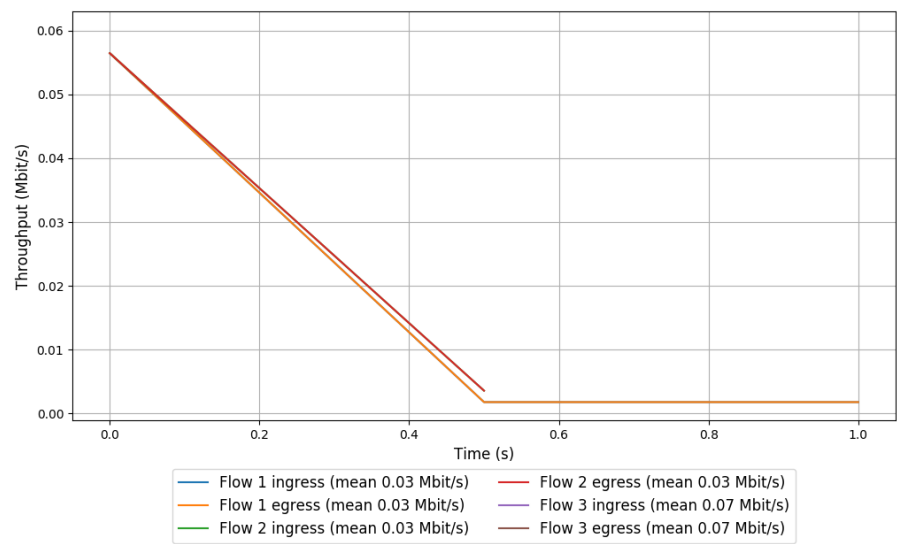
Start at: Sat, 01 Jul 2017 11:47:38 +0000

End at: Sat, 01 Jul 2017 11:48:08 +0000

Local clock offset: -3.611 ms

Remote clock offset: -19.224 ms

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



Run 10: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 12:05:43 +0000

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

Local clock offset: 1.567 ms

Remote clock offset: -19.609 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:14:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.88 Mbit/s

95th percentile per-packet one-way delay: 13.775 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 15.33 Mbit/s

95th percentile per-packet one-way delay: 13.516 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.32 Mbit/s

95th percentile per-packet one-way delay: 13.509 ms

Loss rate: 0.00%

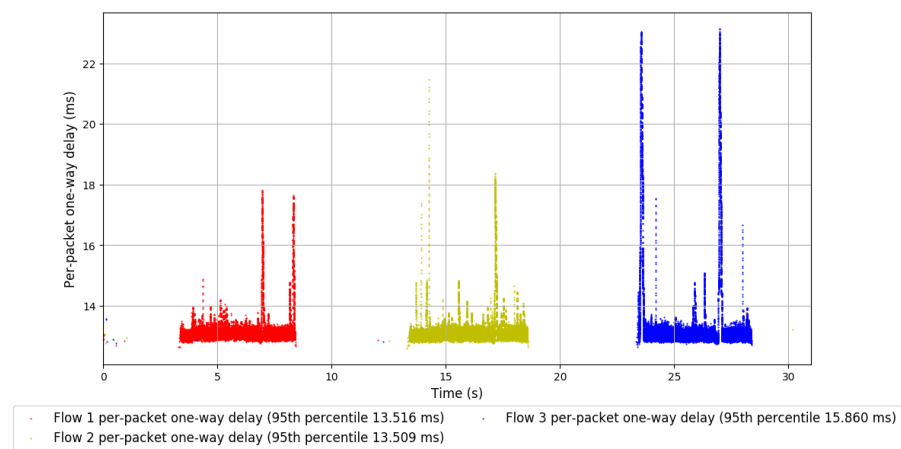
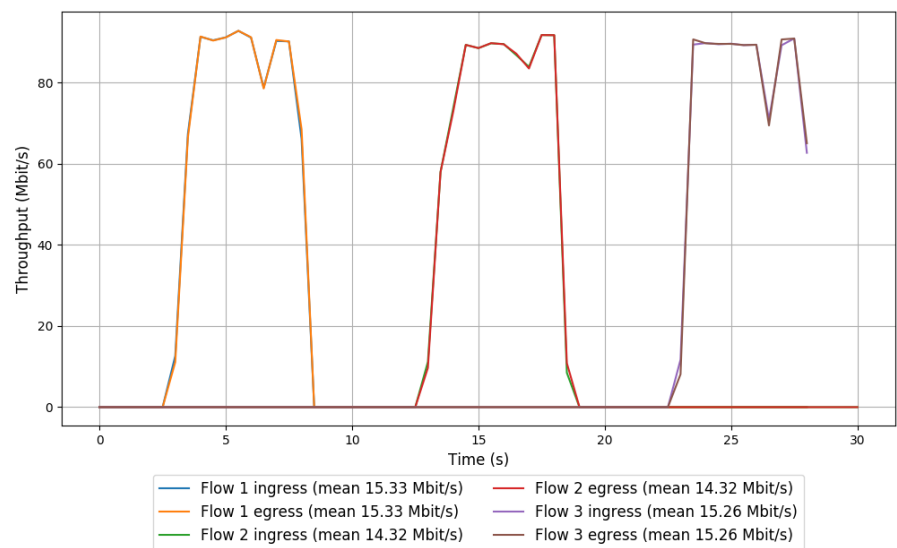
-- Flow 3:

Average throughput: 15.26 Mbit/s

95th percentile per-packet one-way delay: 15.860 ms

Loss rate: 0.00%

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



Run 1: Statistics of Saturator

Start at: Sat, 01 Jul 2017 09:21:28 +0000

End at: Sat, 01 Jul 2017 09:21:58 +0000

Local clock offset: 1.804 ms

Remote clock offset: -19.483 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:14:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.82 Mbit/s

95th percentile per-packet one-way delay: 38.328 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 57.07 Mbit/s

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

Loss rate: 0.37%

-- Flow 2:

Average throughput: 29.23 Mbit/s

95th percentile per-packet one-way delay: 38.338 ms

Loss rate: 0.48%

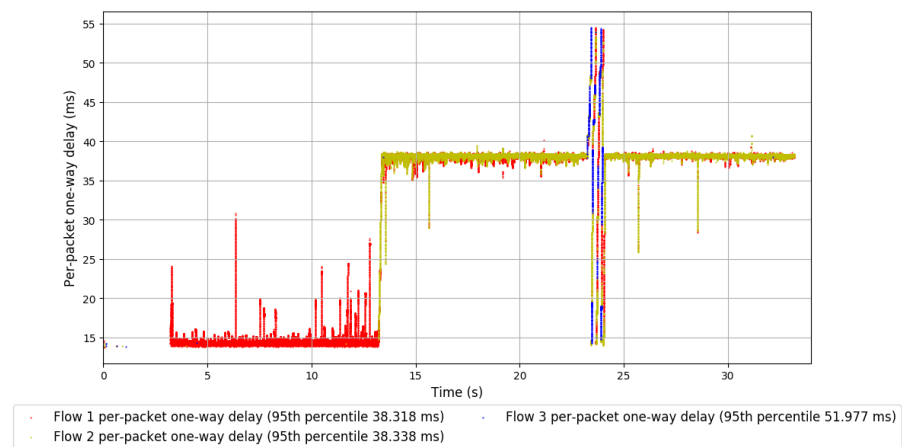
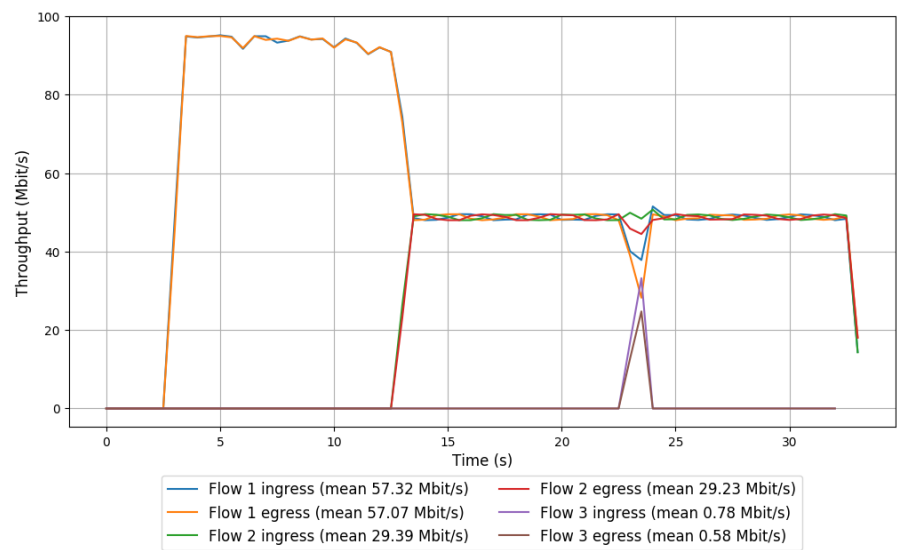
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 51.977 ms

Loss rate: 25.29%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sat, 01 Jul 2017 09:40:10 +0000

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

Local clock offset: 3.455 ms

Remote clock offset: -17.385 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:15:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 37.417 ms

Loss rate: 0.46%

-- Flow 1:

Average throughput: 57.42 Mbit/s

95th percentile per-packet one-way delay: 37.410 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 29.21 Mbit/s

95th percentile per-packet one-way delay: 37.424 ms

Loss rate: 0.42%

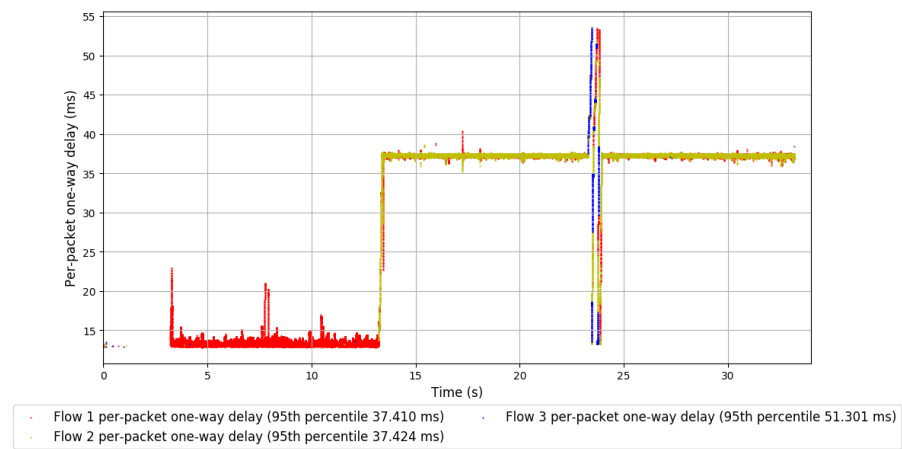
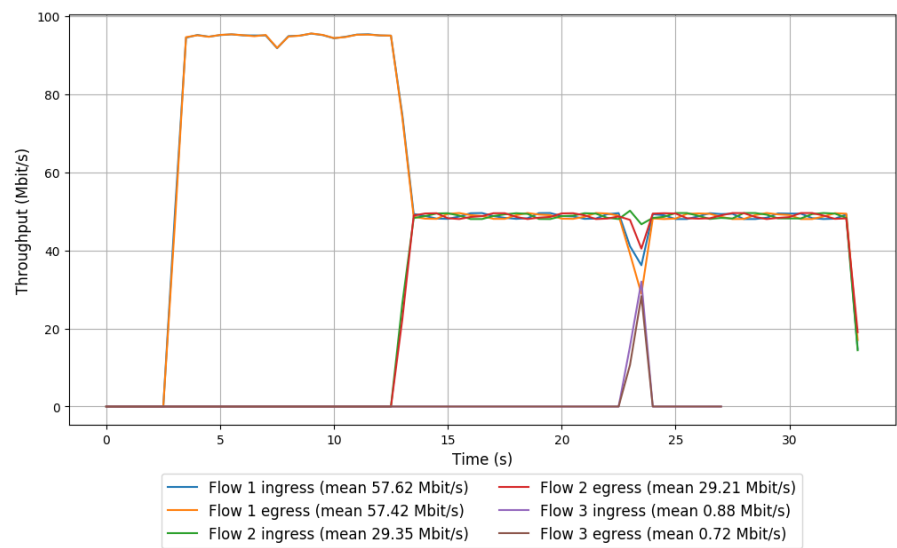
-- Flow 3:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 51.301 ms

Loss rate: 17.91%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sat, 01 Jul 2017 09:58:47 +0000

End at: Sat, 01 Jul 2017 09:59:17 +0000

Local clock offset: 2.138 ms

Remote clock offset: -17.194 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:15:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.63 Mbit/s

95th percentile per-packet one-way delay: 36.905 ms

Loss rate: 4.00%

-- Flow 1:

Average throughput: 54.20 Mbit/s

95th percentile per-packet one-way delay: 36.902 ms

Loss rate: 4.51%

-- Flow 2:

Average throughput: 29.27 Mbit/s

95th percentile per-packet one-way delay: 36.907 ms

Loss rate: 2.77%

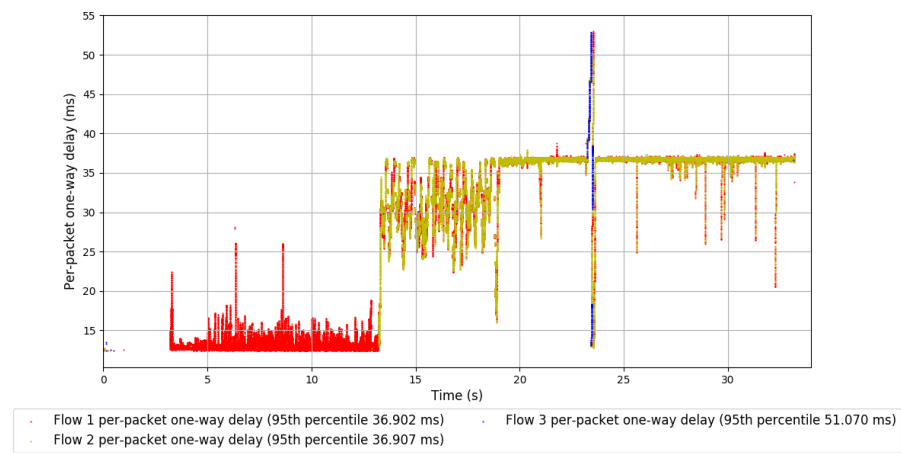
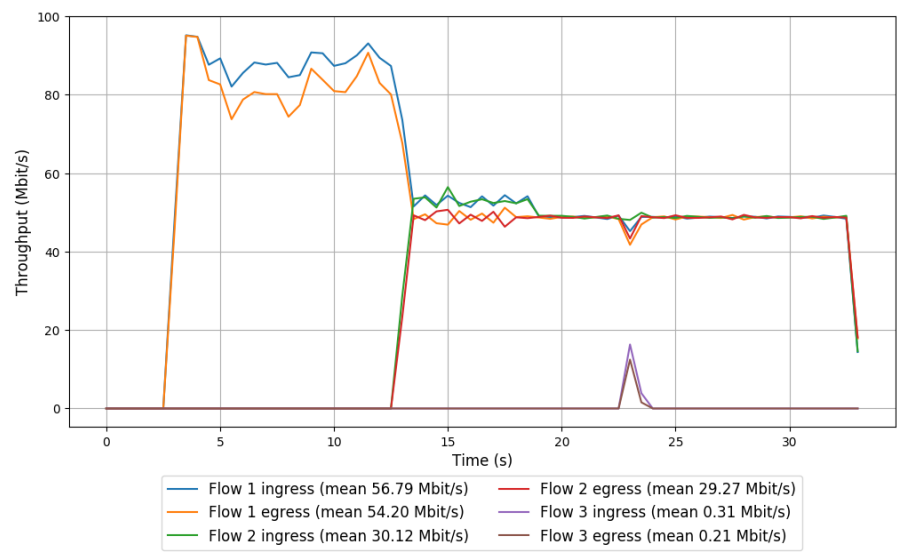
-- Flow 3:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 51.070 ms

Loss rate: 30.62%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sat, 01 Jul 2017 10:16:59 +0000

End at: Sat, 01 Jul 2017 10:17:29 +0000

Local clock offset: 2.176 ms

Remote clock offset: -19.161 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:15:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.06 Mbit/s

95th percentile per-packet one-way delay: 37.353 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 57.68 Mbit/s

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

Loss rate: 0.16%

-- Flow 2:

Average throughput: 29.24 Mbit/s

95th percentile per-packet one-way delay: 37.359 ms

Loss rate: 0.28%

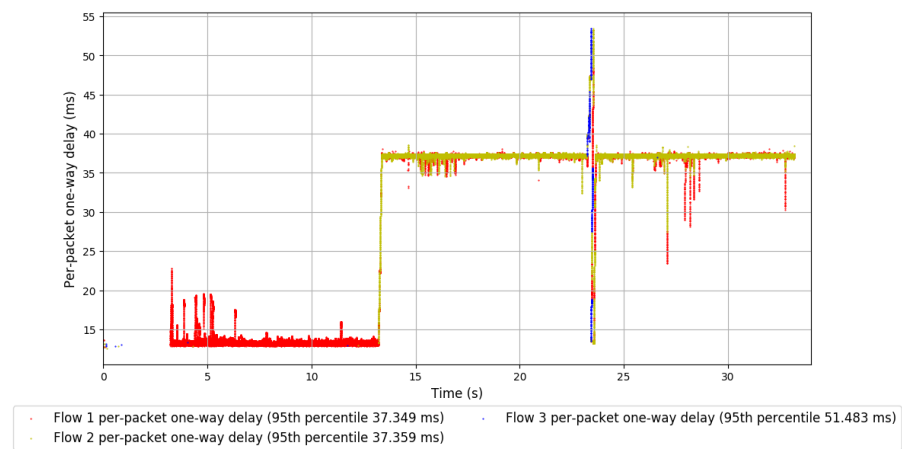
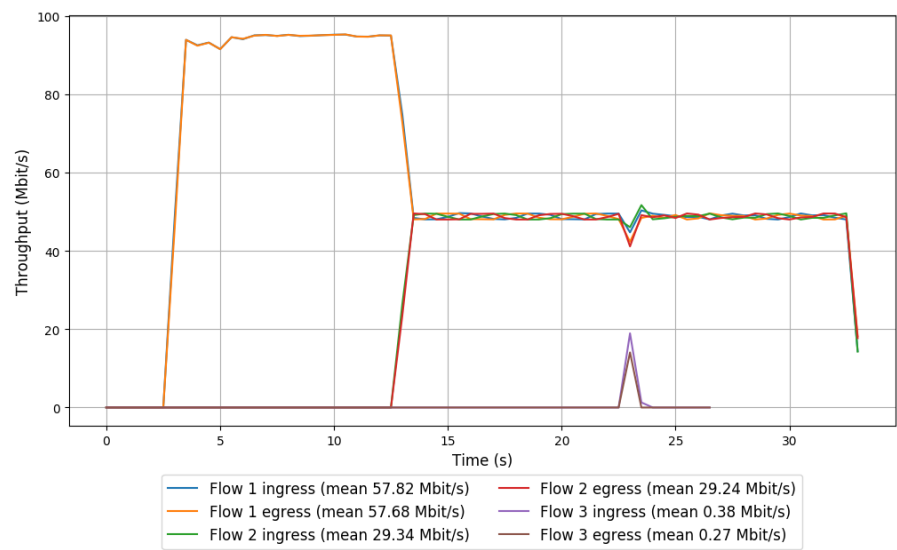
-- Flow 3:

Average throughput: 0.27 Mbit/s

95th percentile per-packet one-way delay: 51.483 ms

Loss rate: 30.47%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

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

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

Local clock offset: -2.224 ms

Remote clock offset: -18.435 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:15:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.02 Mbit/s

95th percentile per-packet one-way delay: 38.482 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 57.62 Mbit/s

95th percentile per-packet one-way delay: 38.471 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 29.24 Mbit/s

95th percentile per-packet one-way delay: 38.494 ms

Loss rate: 0.28%

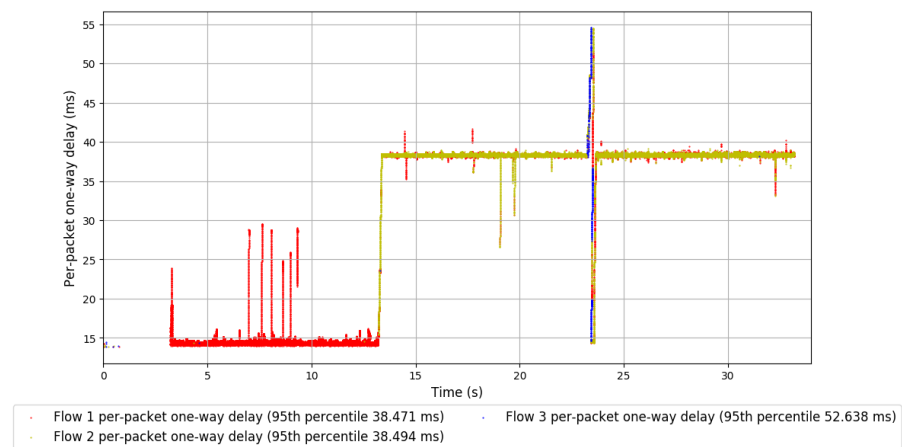
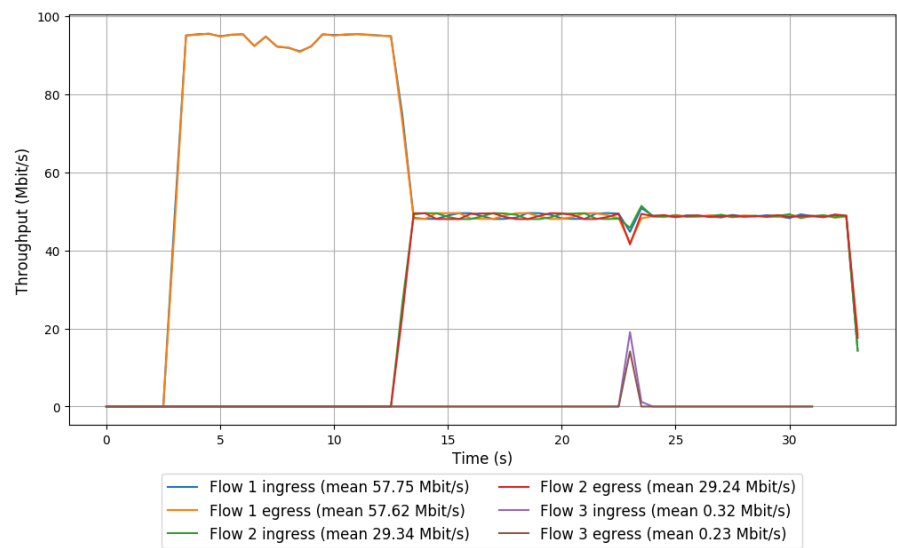
-- Flow 3:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 52.638 ms

Loss rate: 30.31%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sat, 01 Jul 2017 10:53:38 +0000

End at: Sat, 01 Jul 2017 10:54:08 +0000

Local clock offset: -0.676 ms

Remote clock offset: -19.651 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:15:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 39.187 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 48.22 Mbit/s

95th percentile per-packet one-way delay: 39.175 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 39.193 ms

Loss rate: 0.16%

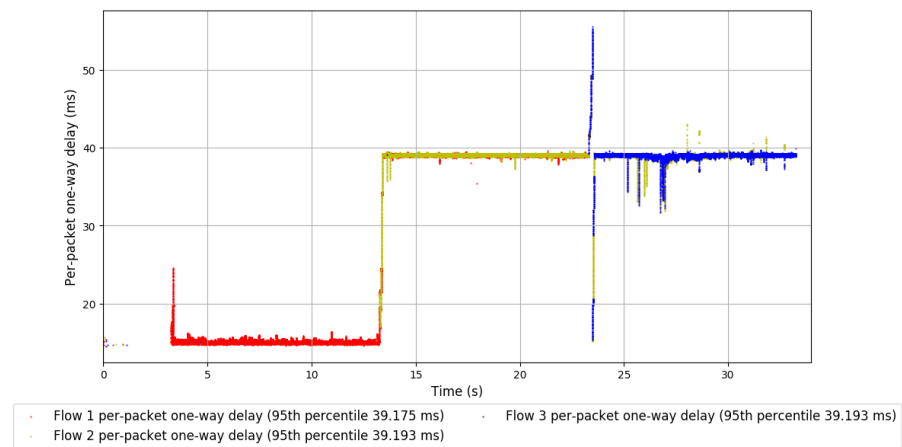
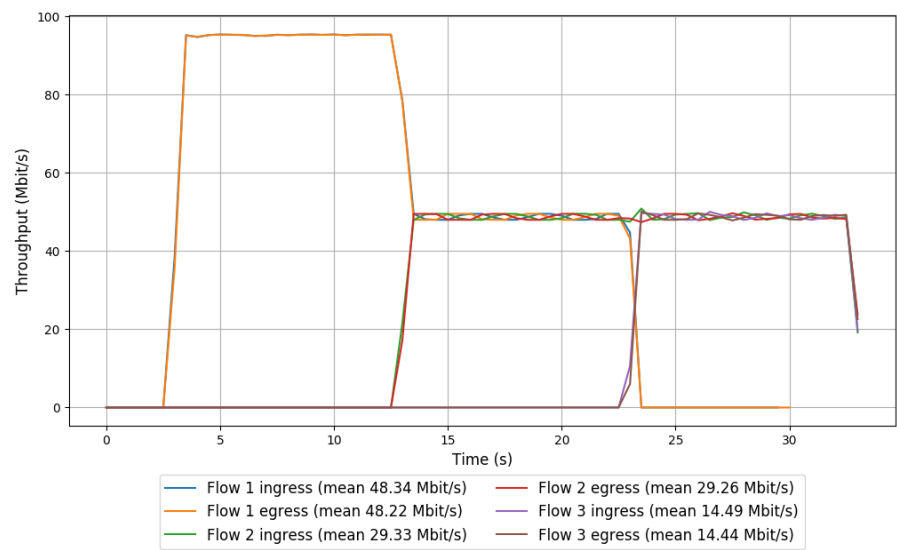
-- Flow 3:

Average throughput: 14.44 Mbit/s

95th percentile per-packet one-way delay: 39.193 ms

Loss rate: 0.26%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

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

End at: Sat, 01 Jul 2017 11:12:22 +0000

Local clock offset: -2.278 ms

Remote clock offset: -21.84 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:15:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.12 Mbit/s

95th percentile per-packet one-way delay: 39.621 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 58.36 Mbit/s

95th percentile per-packet one-way delay: 39.602 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 28.94 Mbit/s

95th percentile per-packet one-way delay: 39.628 ms

Loss rate: 0.70%

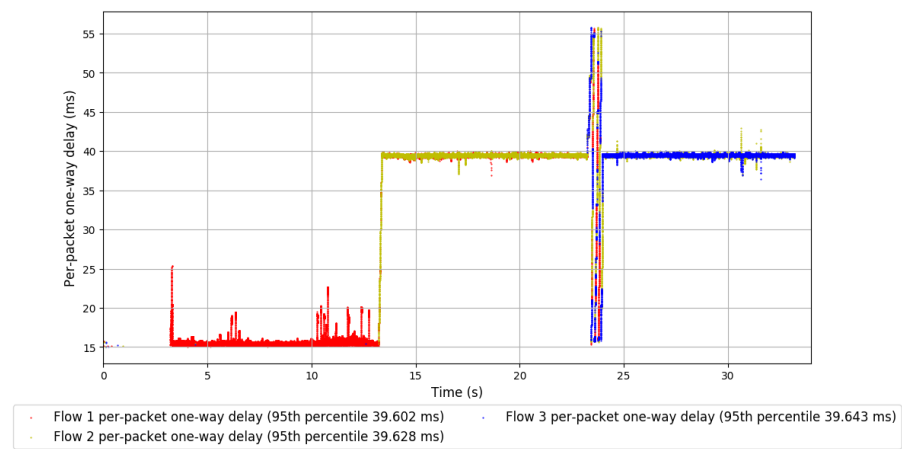
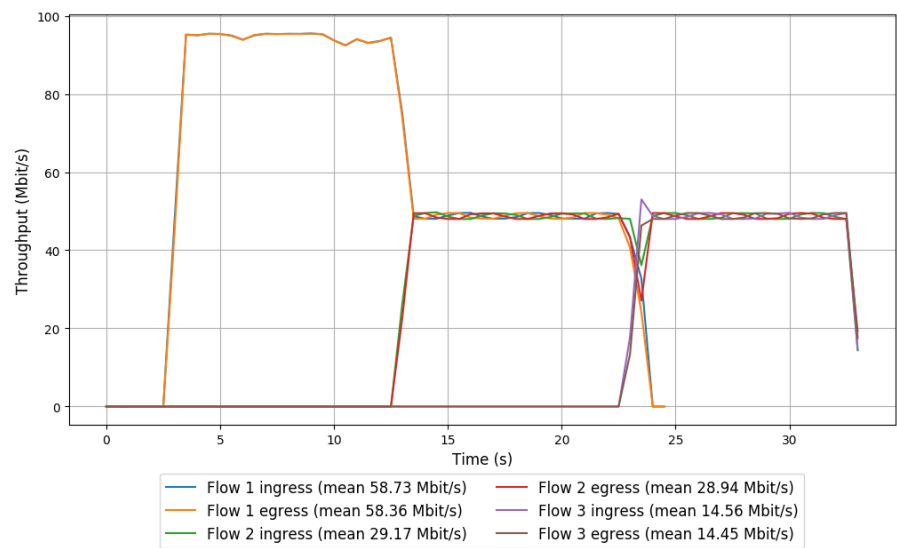
-- Flow 3:

Average throughput: 14.45 Mbit/s

95th percentile per-packet one-way delay: 39.643 ms

Loss rate: 0.73%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sat, 01 Jul 2017 11:30:13 +0000

End at: Sat, 01 Jul 2017 11:30:43 +0000

Local clock offset: -4.295 ms

Remote clock offset: -22.637 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:15:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.17 Mbit/s

95th percentile per-packet one-way delay: 38.612 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 57.36 Mbit/s

95th percentile per-packet one-way delay: 38.604 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 29.21 Mbit/s

95th percentile per-packet one-way delay: 38.620 ms

Loss rate: 0.49%

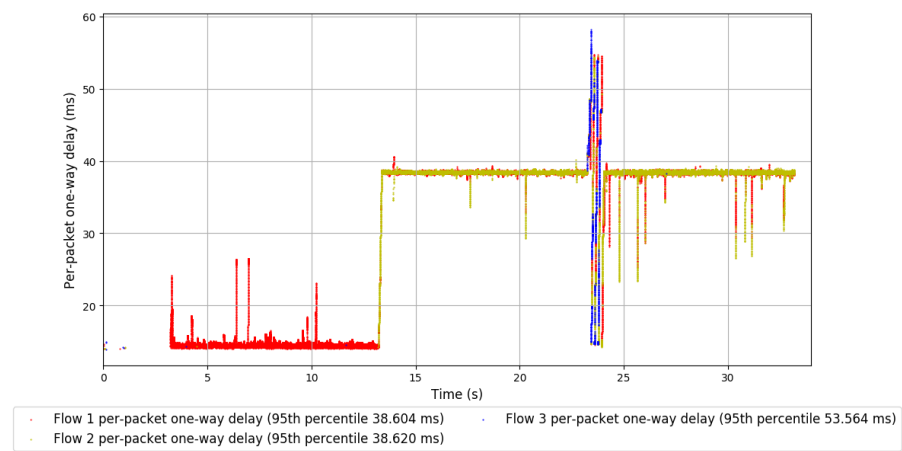
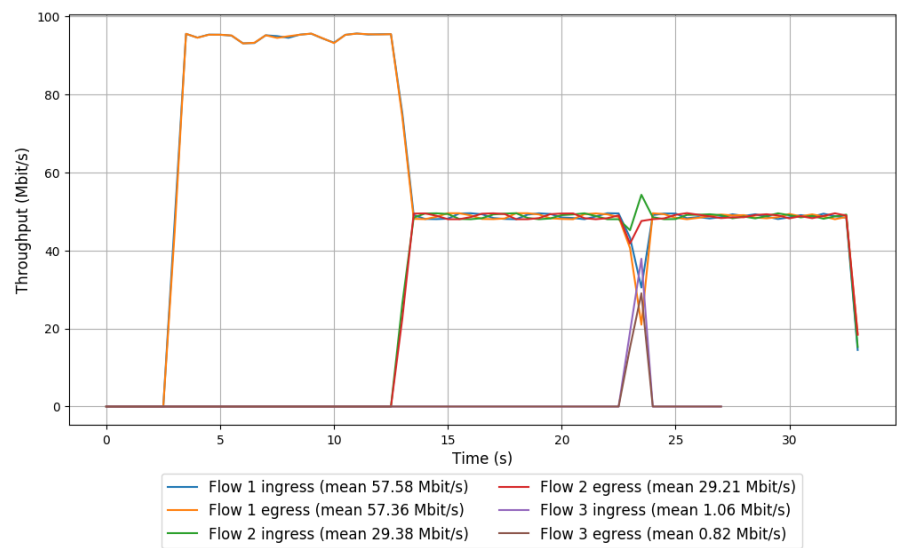
-- Flow 3:

Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 53.564 ms

Loss rate: 22.53%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sat, 01 Jul 2017 11:48:43 +0000

End at: Sat, 01 Jul 2017 11:49:13 +0000

Local clock offset: -0.476 ms

Remote clock offset: -20.903 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:15:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.25 Mbit/s

95th percentile per-packet one-way delay: 38.571 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 57.87 Mbit/s

95th percentile per-packet one-way delay: 38.566 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 29.23 Mbit/s

95th percentile per-packet one-way delay: 38.577 ms

Loss rate: 0.29%

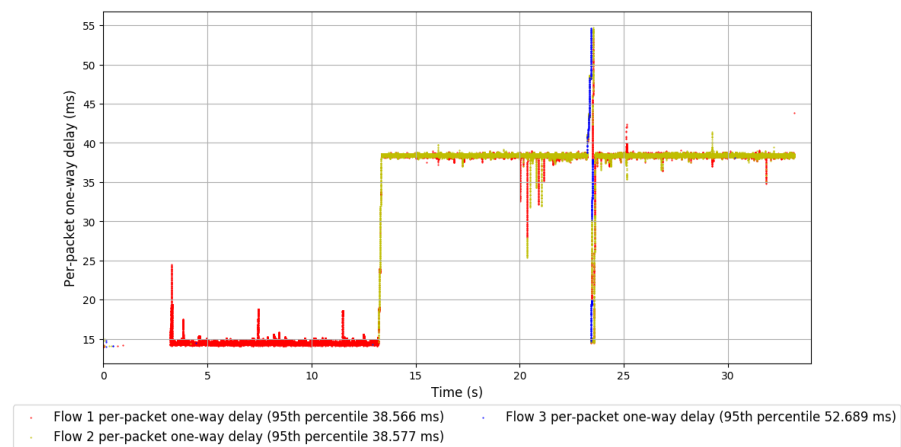
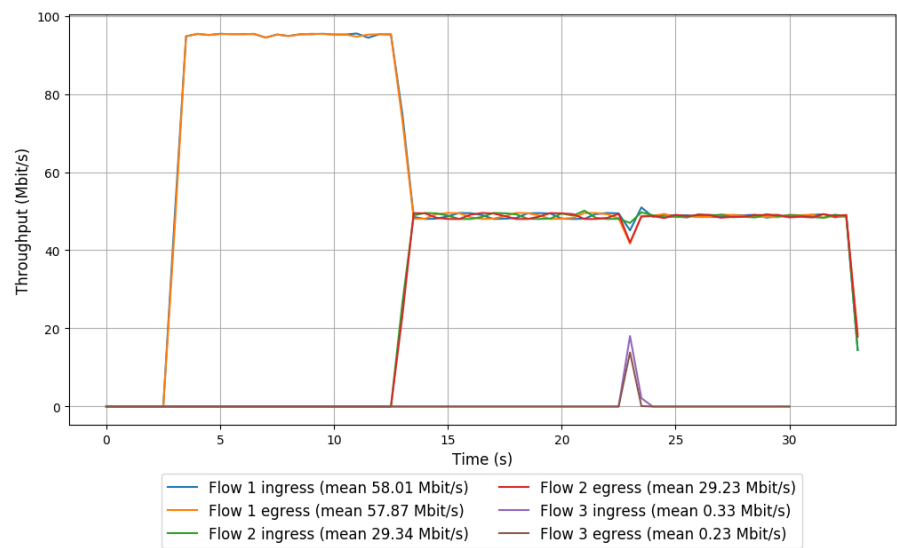
-- Flow 3:

Average throughput: 0.23 Mbit/s

95th percentile per-packet one-way delay: 52.689 ms

Loss rate: 30.78%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sat, 01 Jul 2017 12:06:51 +0000

End at: Sat, 01 Jul 2017 12:07:21 +0000

Local clock offset: -0.495 ms

Remote clock offset: -17.218 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.12 Mbit/s

95th percentile per-packet one-way delay: 37.207 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 57.48 Mbit/s

95th percentile per-packet one-way delay: 37.199 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 29.15 Mbit/s

95th percentile per-packet one-way delay: 37.214 ms

Loss rate: 0.60%

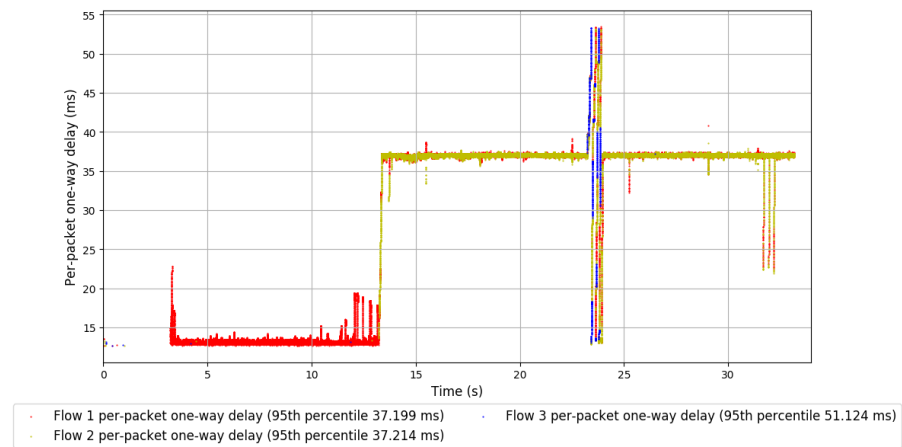
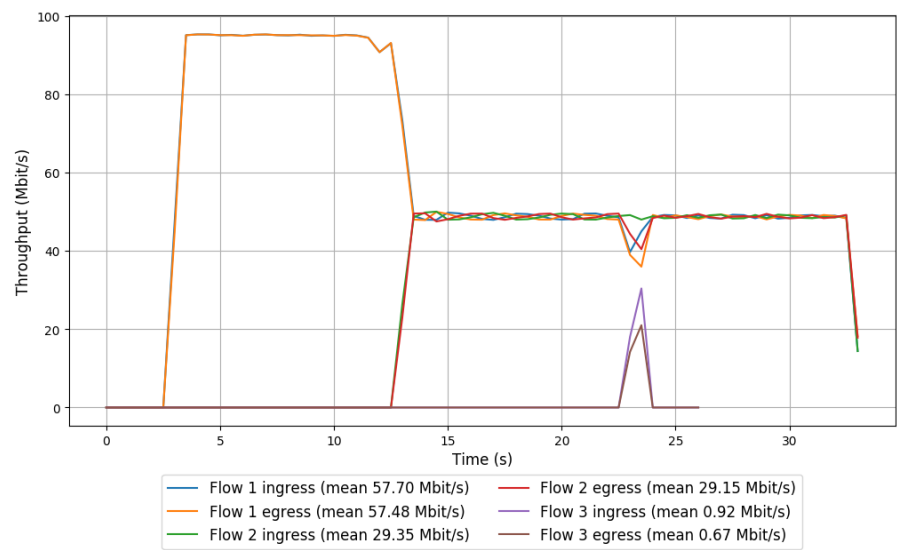
-- Flow 3:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 51.124 ms

Loss rate: 27.28%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 09:15:33 +0000

End at: Sat, 01 Jul 2017 09:16:03 +0000

Local clock offset: 0.199 ms

Remote clock offset: -18.855 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 14.430 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 14.436 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 14.418 ms

Loss rate: 0.00%

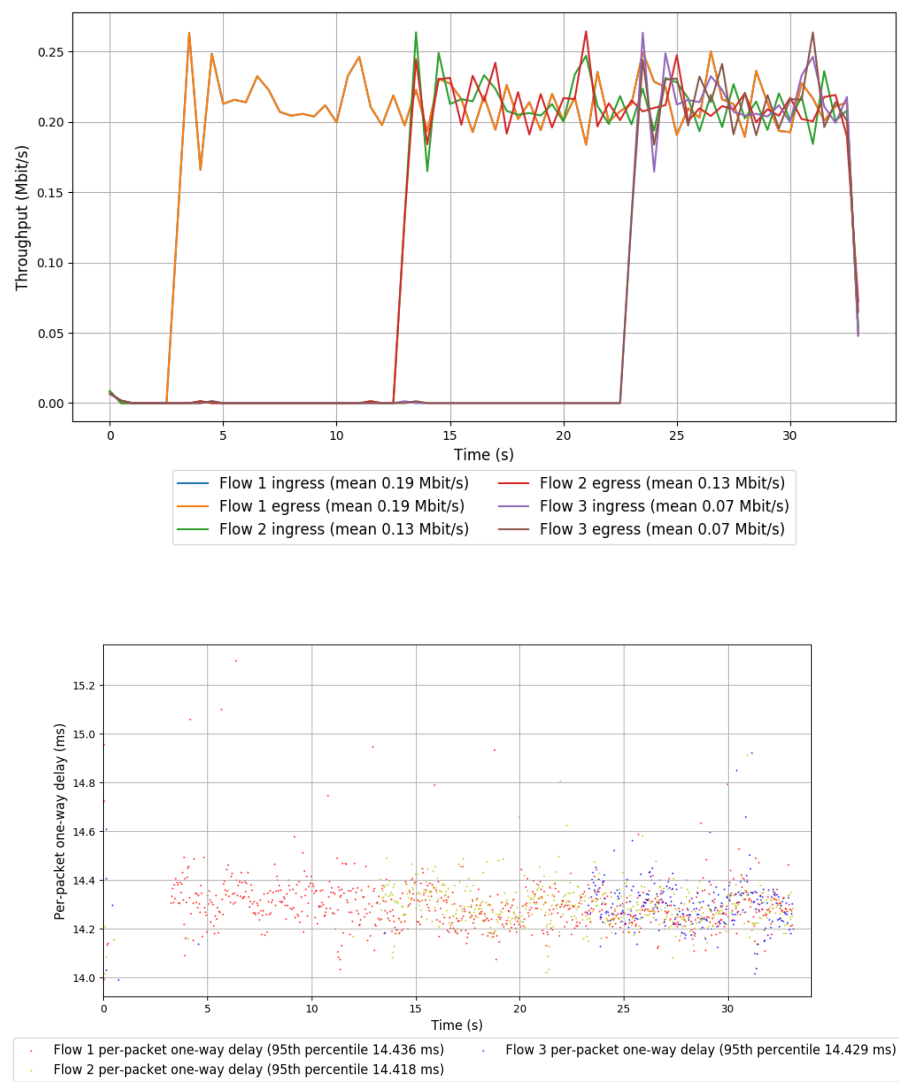
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 14.429 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 09:34:12 +0000

End at: Sat, 01 Jul 2017 09:34:42 +0000

Local clock offset: -5.24 ms

Remote clock offset: -25.786 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 13.486 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 13.475 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 13.479 ms

Loss rate: 0.00%

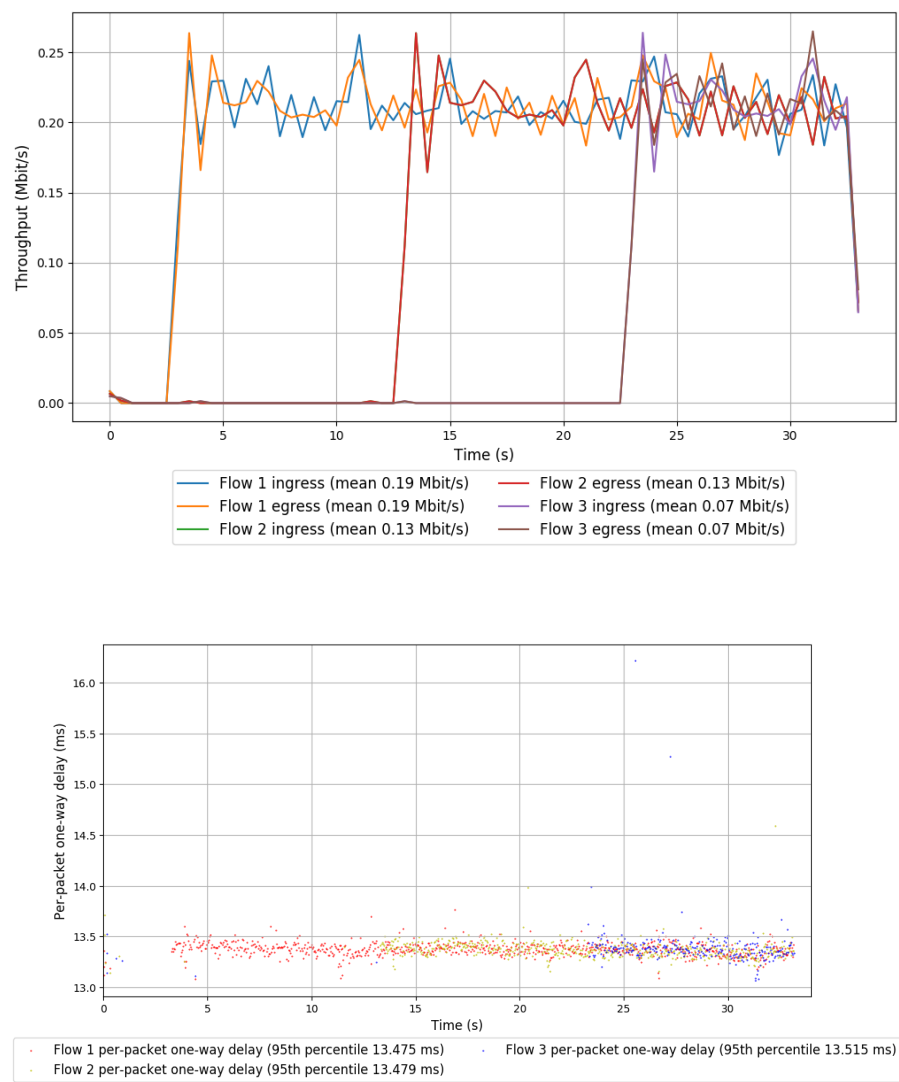
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 13.515 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

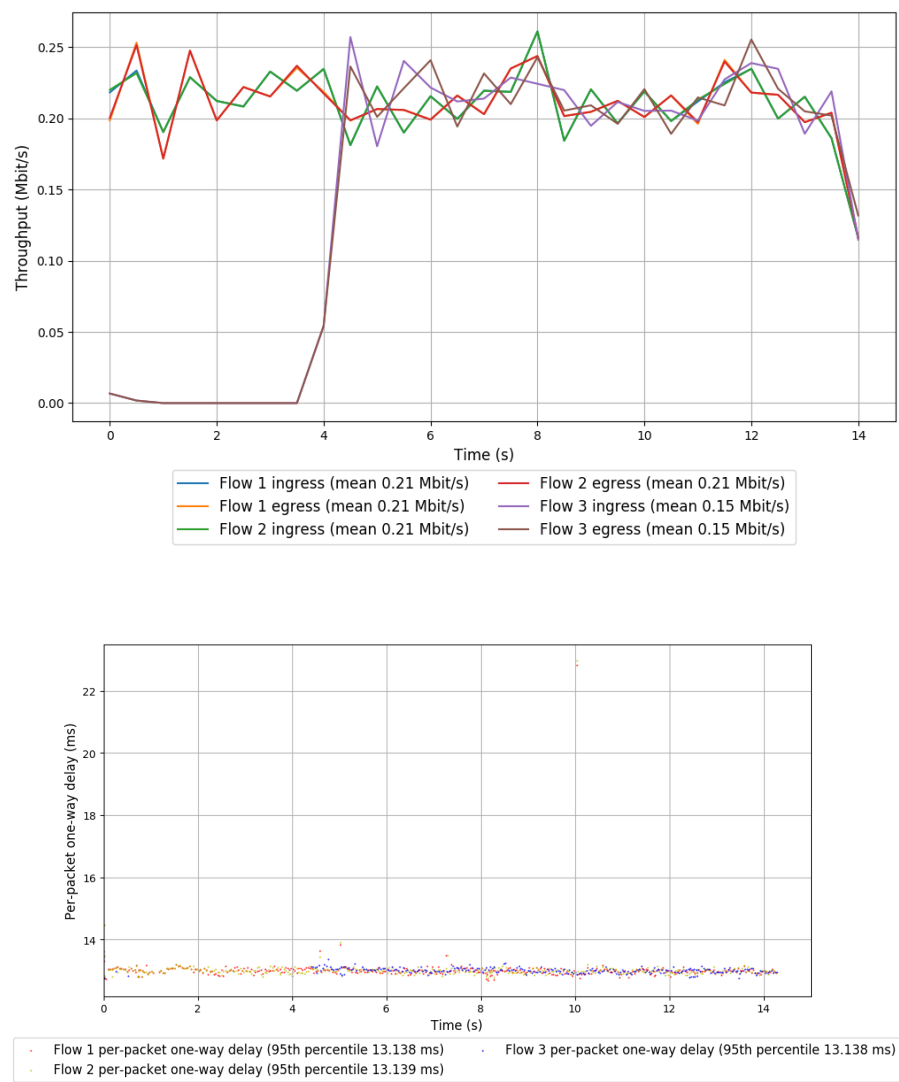
Start at: Sat, 01 Jul 2017 09:52:51 +0000

End at: Sat, 01 Jul 2017 09:53:21 +0000

Local clock offset: 3.807 ms

Remote clock offset: -17.452 ms

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

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

End at: Sat, 01 Jul 2017 10:11:36 +0000

Local clock offset: -2.902 ms

Remote clock offset: -18.914 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 12.788 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 12.788 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 12.794 ms

Loss rate: 0.00%

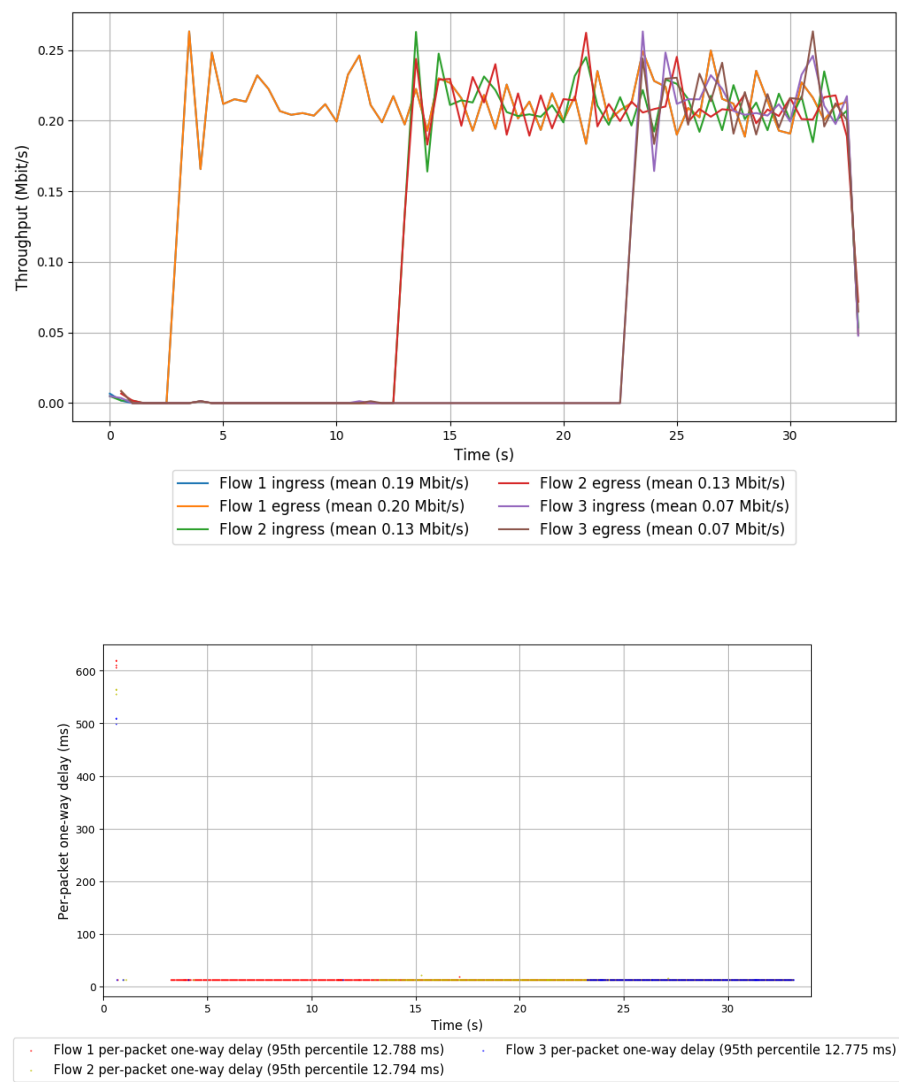
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 12.775 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 10:29:27 +0000

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

Local clock offset: 3.327 ms

Remote clock offset: -19.667 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.24 Mbit/s

95th percentile per-packet one-way delay: 13.816 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 5705.754 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.15 Mbit/s

95th percentile per-packet one-way delay: 13.693 ms

Loss rate: 0.00%

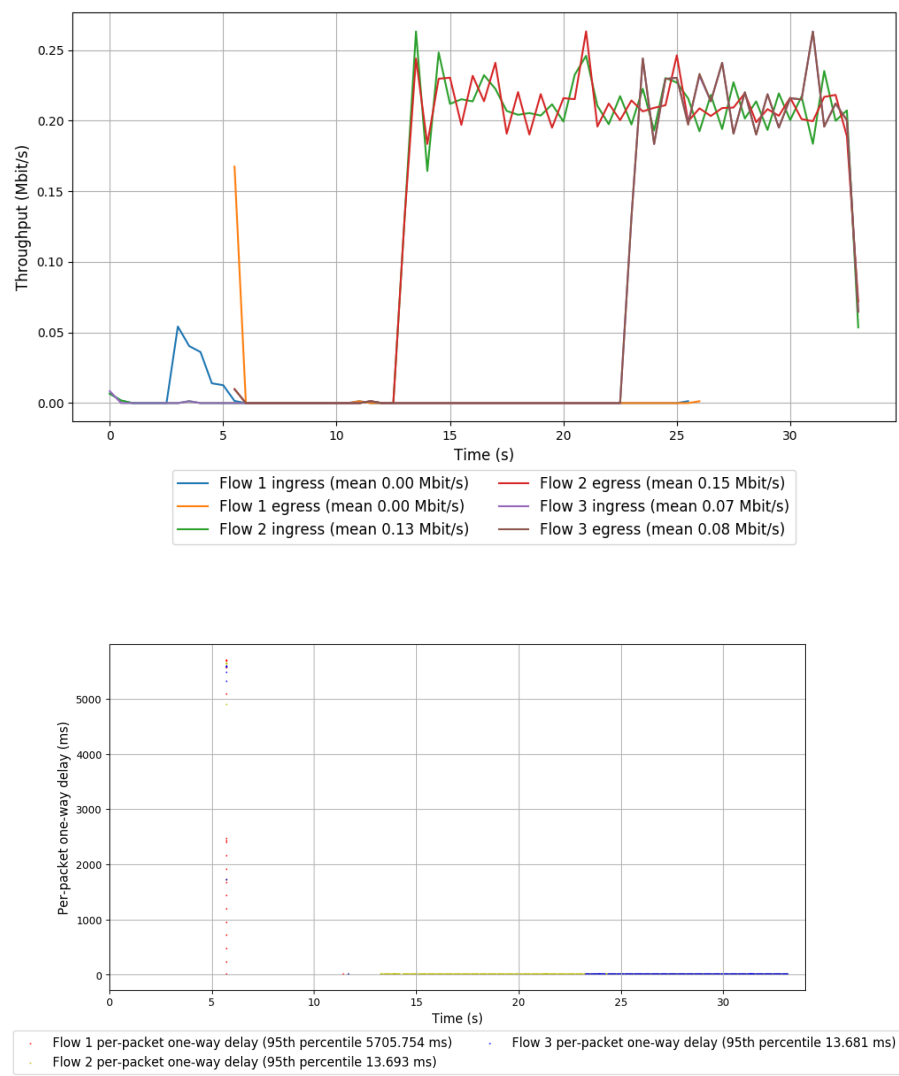
-- Flow 3:

Average throughput: 0.08 Mbit/s

95th percentile per-packet one-way delay: 13.681 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

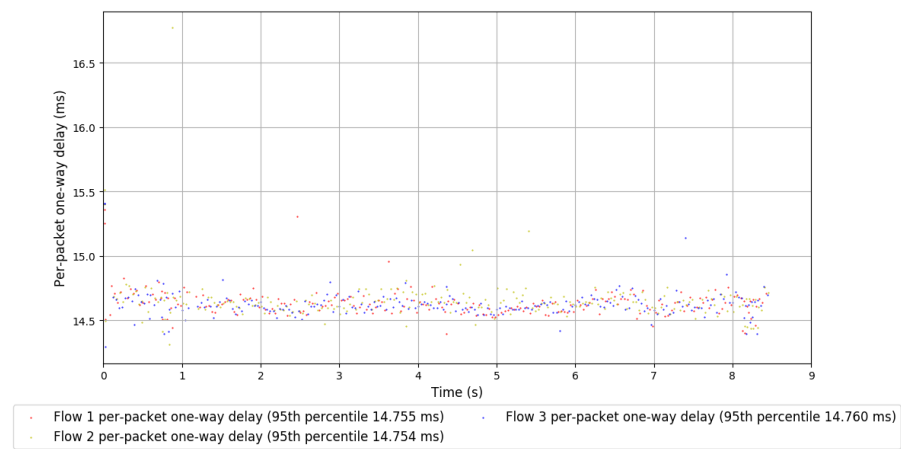
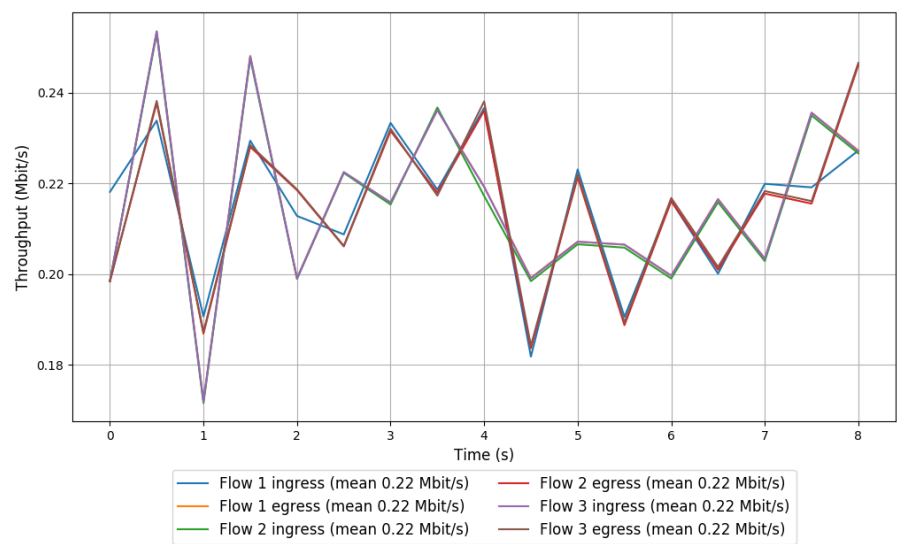
Start at: Sat, 01 Jul 2017 10:47:49 +0000

End at: Sat, 01 Jul 2017 10:48:19 +0000

Local clock offset: -3.16 ms

Remote clock offset: -23.944 ms

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 11:05:57 +0000

End at: Sat, 01 Jul 2017 11:06:27 +0000

Local clock offset: -1.44 ms

Remote clock offset: -21.493 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 15.258 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 15.276 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 15.244 ms

Loss rate: 0.00%

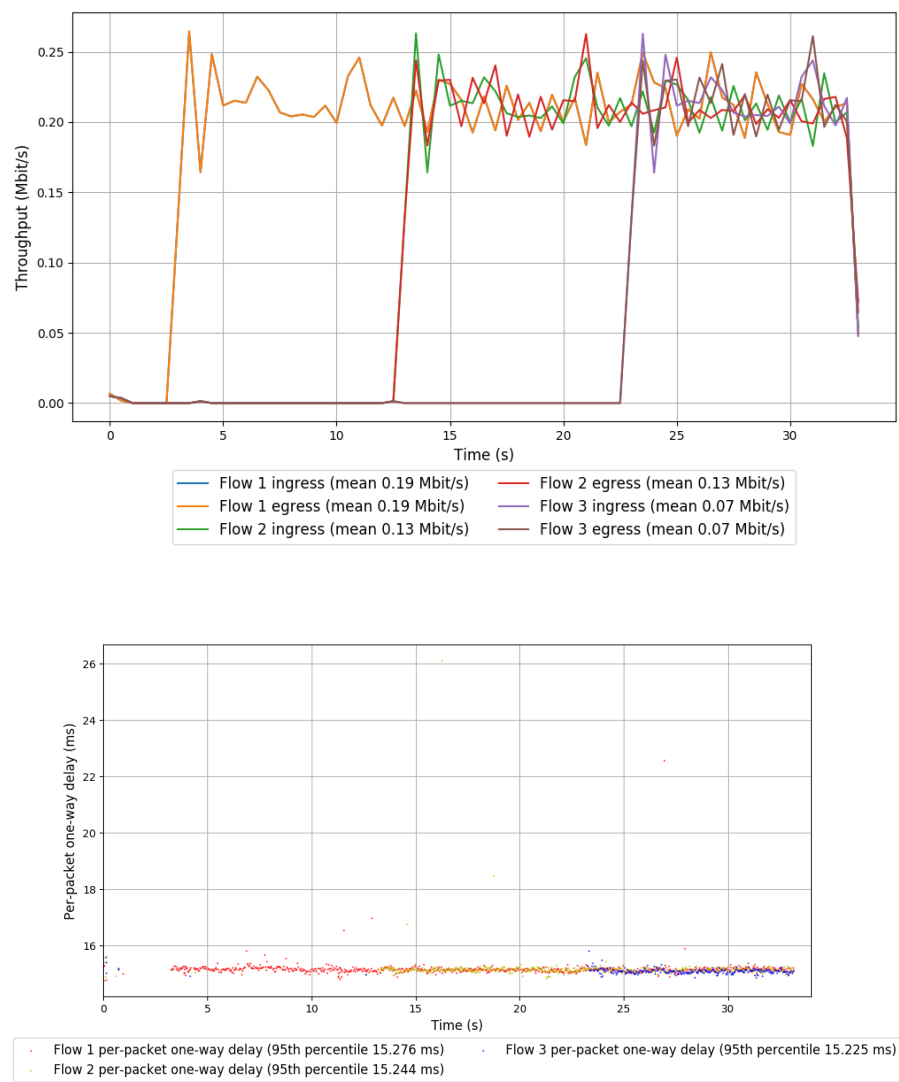
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 15.225 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

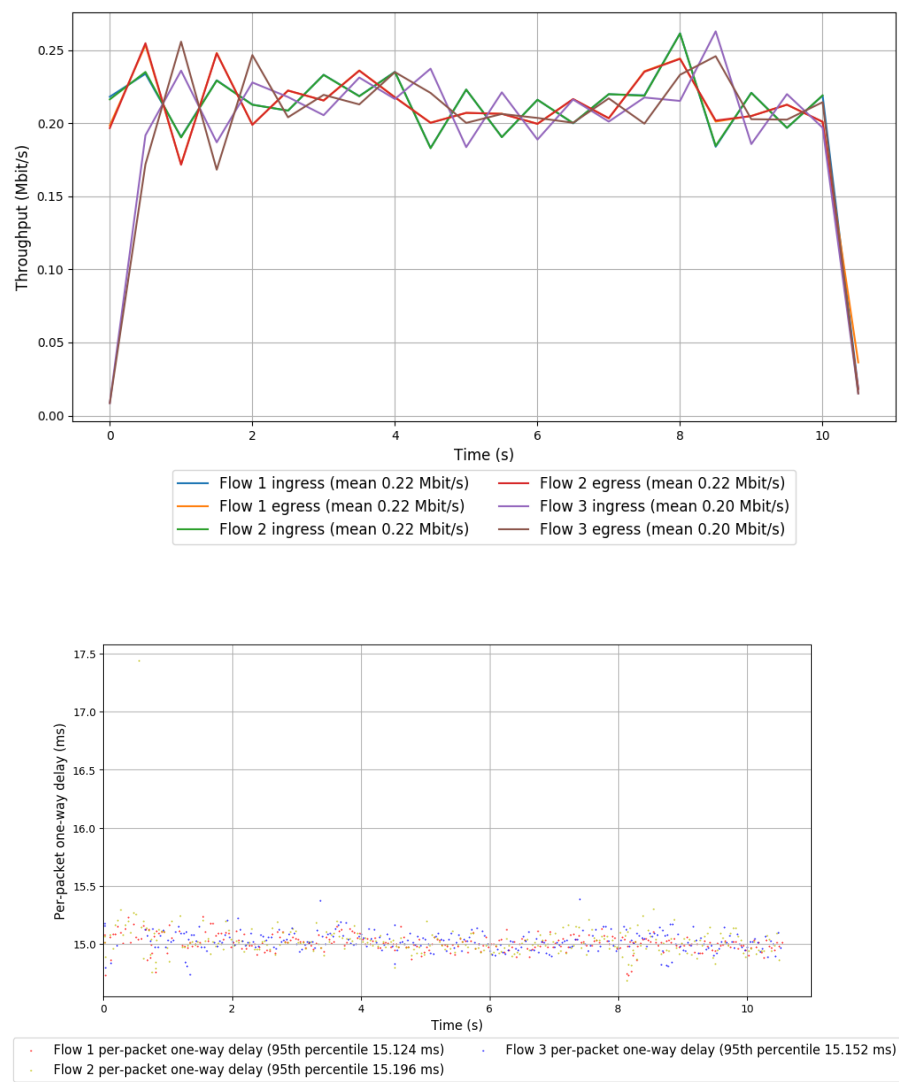
Start at: Sat, 01 Jul 2017 11:24:20 +0000

End at: Sat, 01 Jul 2017 11:24:50 +0000

Local clock offset: -1.62 ms

Remote clock offset: -20.282 ms

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

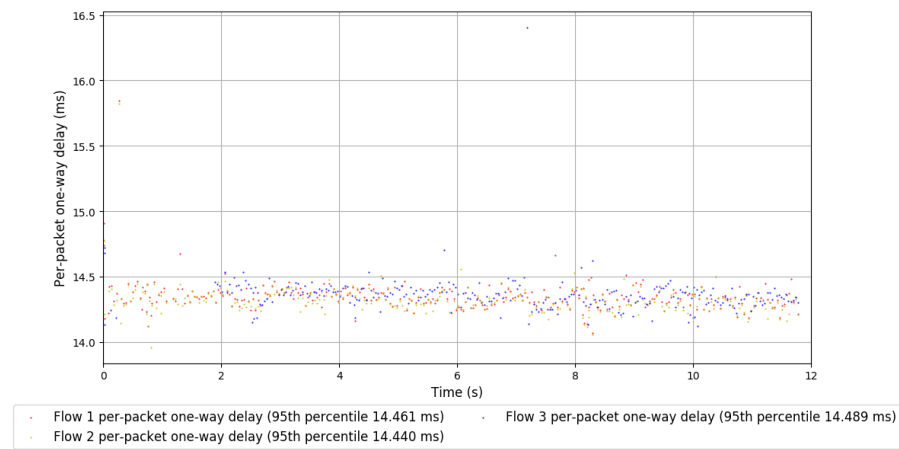
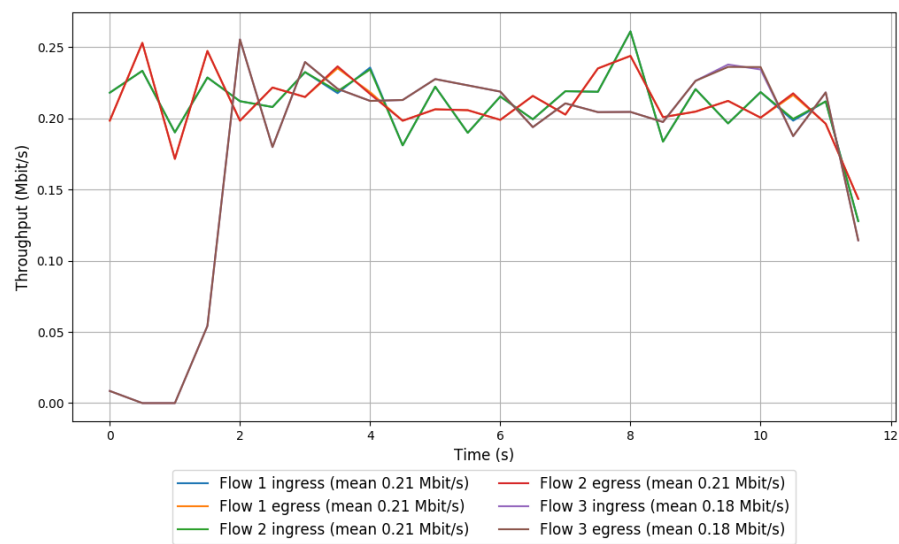
Start at: Sat, 01 Jul 2017 11:42:49 +0000

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

Local clock offset: -1.625 ms

Remote clock offset: -19.224 ms

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 12:00:59 +0000

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

Local clock offset: 3.109 ms

Remote clock offset: -20.922 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 13.385 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 13.389 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 13.351 ms

Loss rate: 0.00%

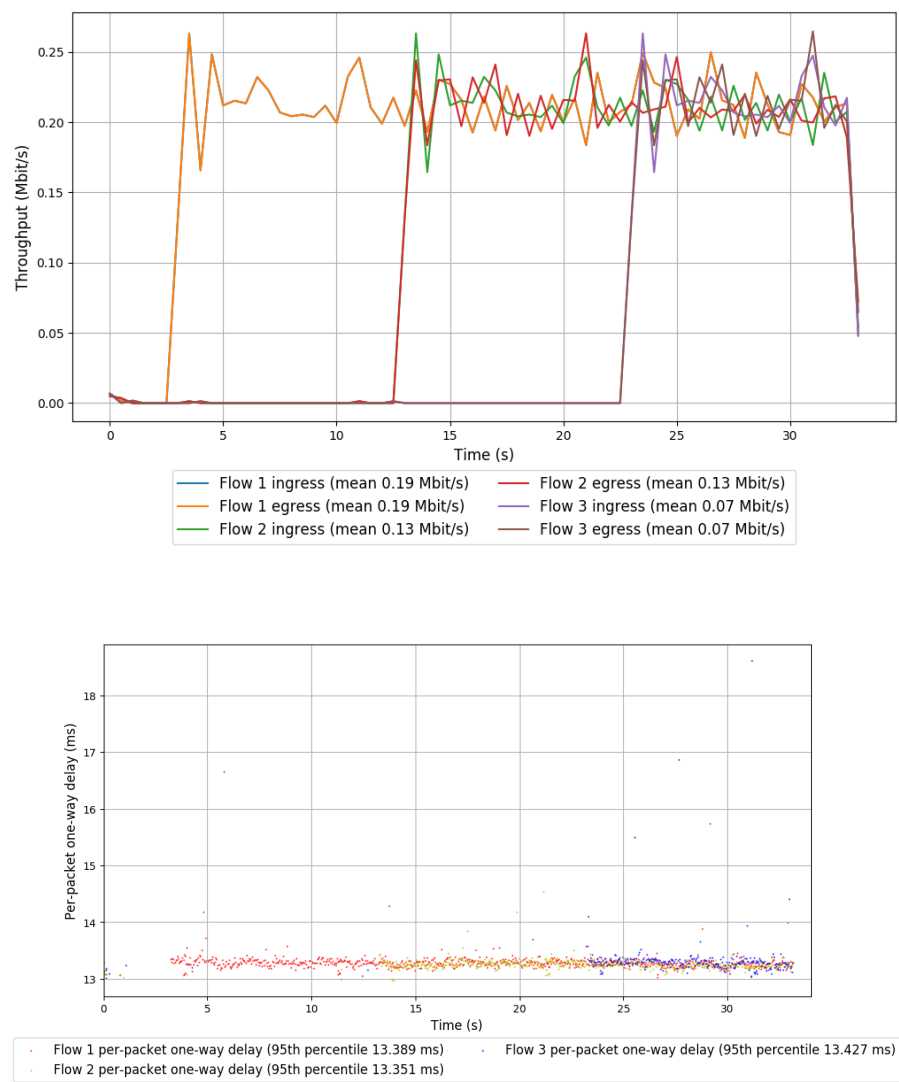
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 13.427 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sat, 01 Jul 2017 09:16:38 +0000

End at: Sat, 01 Jul 2017 09:17:08 +0000

Local clock offset: 2.559 ms

Remote clock offset: -19.439 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.29 Mbit/s

95th percentile per-packet one-way delay: 24.204 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.22 Mbit/s

95th percentile per-packet one-way delay: 24.940 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.82 Mbit/s

95th percentile per-packet one-way delay: 23.610 ms

Loss rate: 0.00%

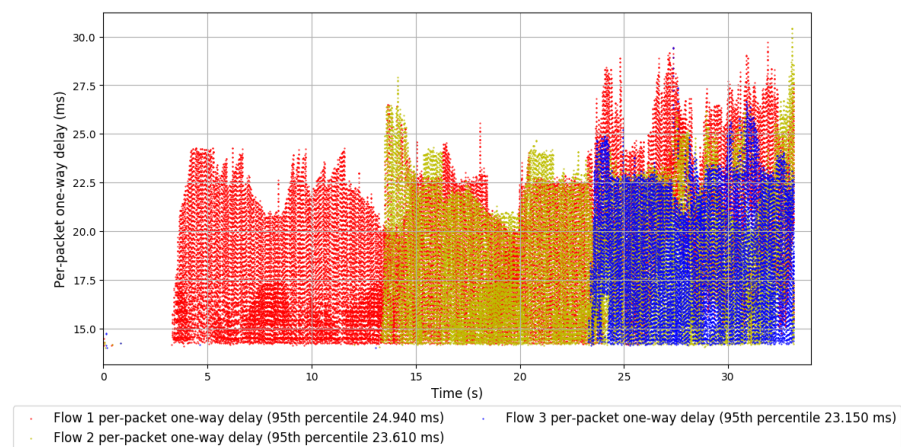
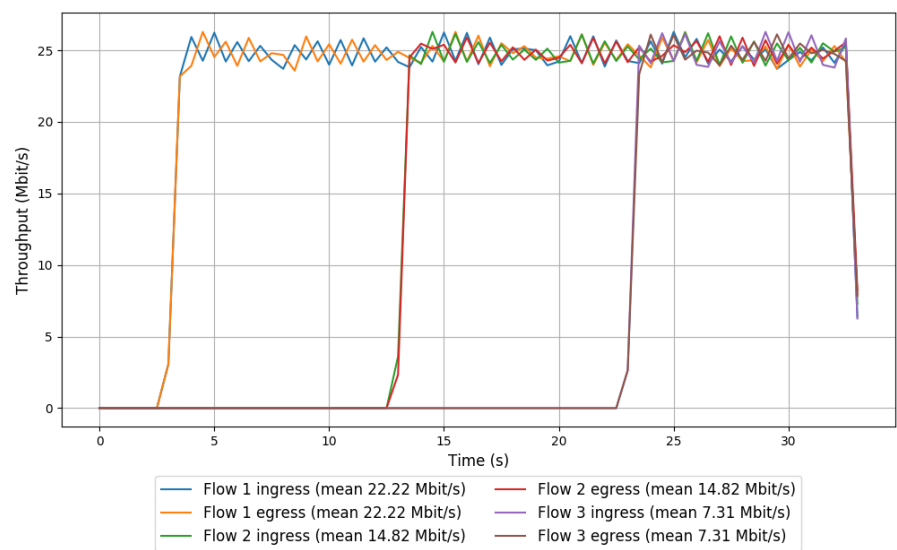
-- Flow 3:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 23.150 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sat, 01 Jul 2017 09:35:17 +0000

End at: Sat, 01 Jul 2017 09:35:47 +0000

Local clock offset: 0.519 ms

Remote clock offset: -19.983 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.44 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.31 Mbit/s

95th percentile per-packet one-way delay: 22.539 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.83 Mbit/s

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

Loss rate: 0.00%

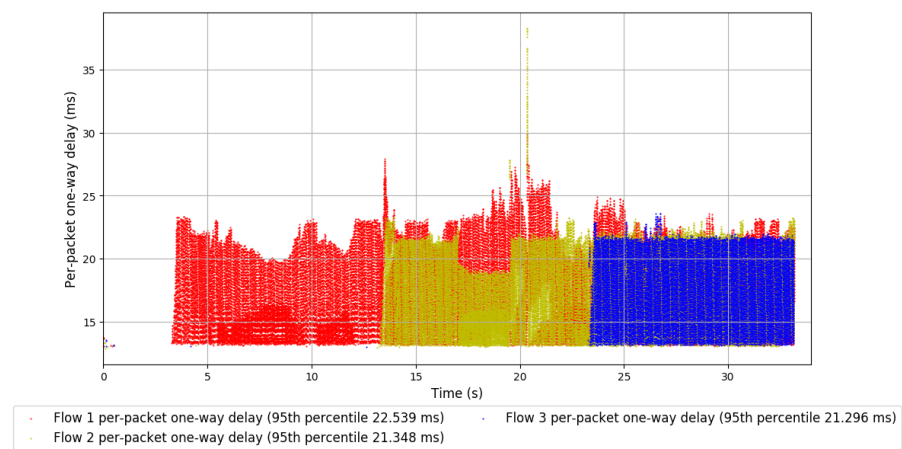
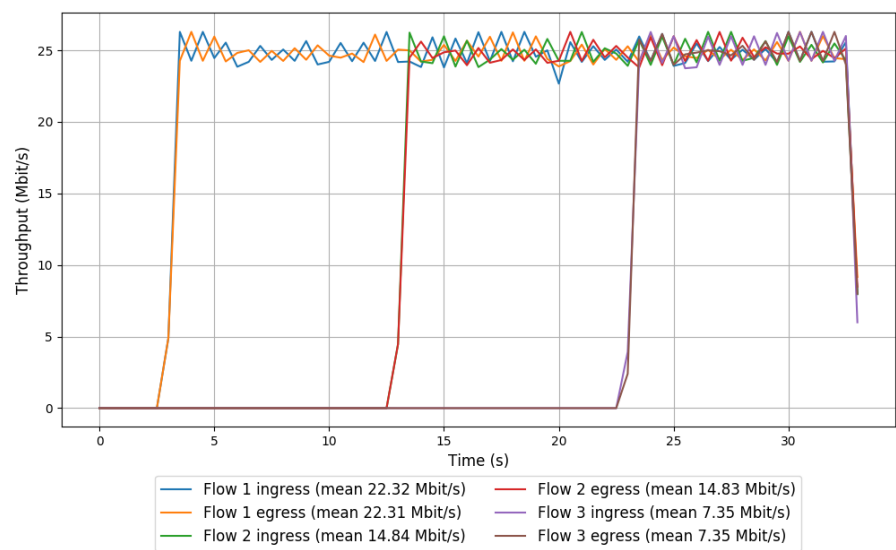
-- Flow 3:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 21.296 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sat, 01 Jul 2017 09:53:56 +0000

End at: Sat, 01 Jul 2017 09:54:26 +0000

Local clock offset: 3.096 ms

Remote clock offset: -19.568 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.30 Mbit/s

95th percentile per-packet one-way delay: 20.415 ms

Loss rate: 1.93%

-- Flow 1:

Average throughput: 21.41 Mbit/s

95th percentile per-packet one-way delay: 19.809 ms

Loss rate: 1.57%

-- Flow 2:

Average throughput: 14.12 Mbit/s

95th percentile per-packet one-way delay: 20.036 ms

Loss rate: 1.91%

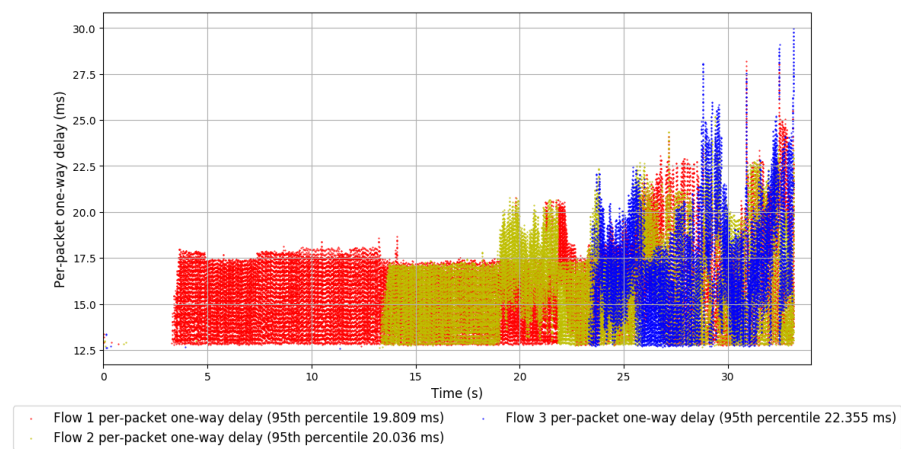
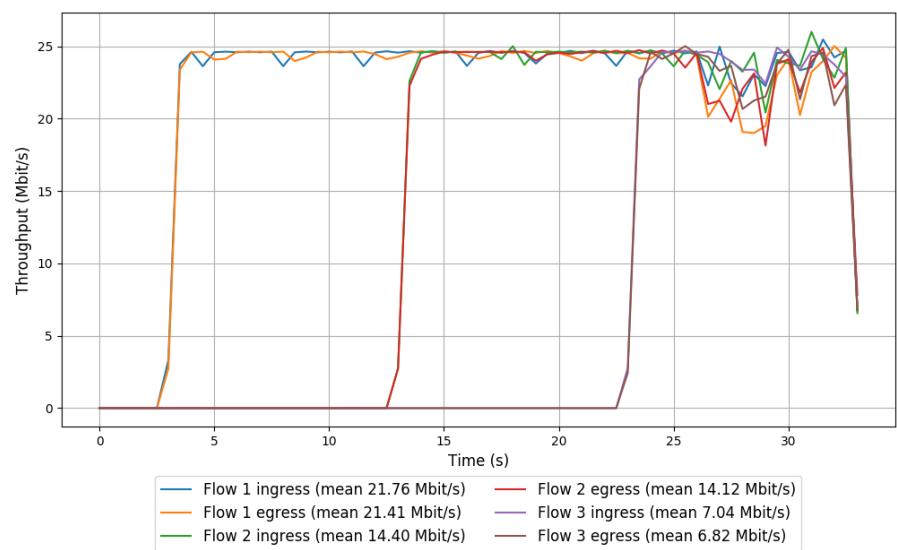
-- Flow 3:

Average throughput: 6.82 Mbit/s

95th percentile per-packet one-way delay: 22.355 ms

Loss rate: 3.09%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

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

End at: Sat, 01 Jul 2017 10:12:42 +0000

Local clock offset: -1.781 ms

Remote clock offset: -18.267 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.27 Mbit/s

95th percentile per-packet one-way delay: 21.345 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.35 Mbit/s

95th percentile per-packet one-way delay: 21.556 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.80 Mbit/s

95th percentile per-packet one-way delay: 21.404 ms

Loss rate: 0.00%

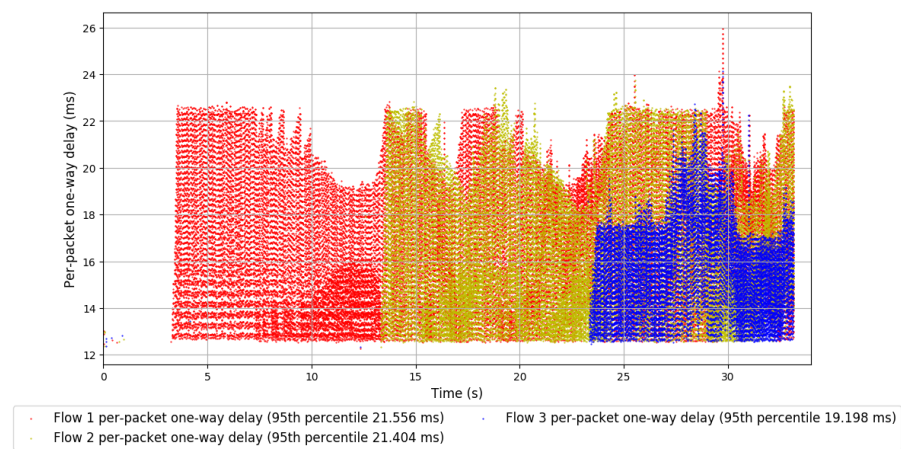
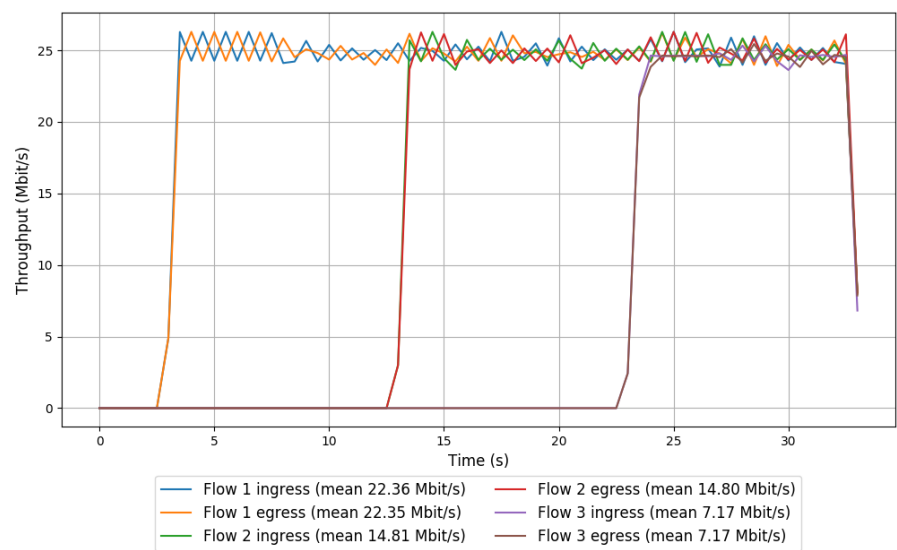
-- Flow 3:

Average throughput: 7.17 Mbit/s

95th percentile per-packet one-way delay: 19.198 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sat, 01 Jul 2017 10:30:32 +0000

End at: Sat, 01 Jul 2017 10:31:02 +0000

Local clock offset: 1.258 ms

Remote clock offset: -18.994 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.33 Mbit/s

95th percentile per-packet one-way delay: 22.669 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.25 Mbit/s

95th percentile per-packet one-way delay: 22.743 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.84 Mbit/s

95th percentile per-packet one-way delay: 22.461 ms

Loss rate: 0.00%

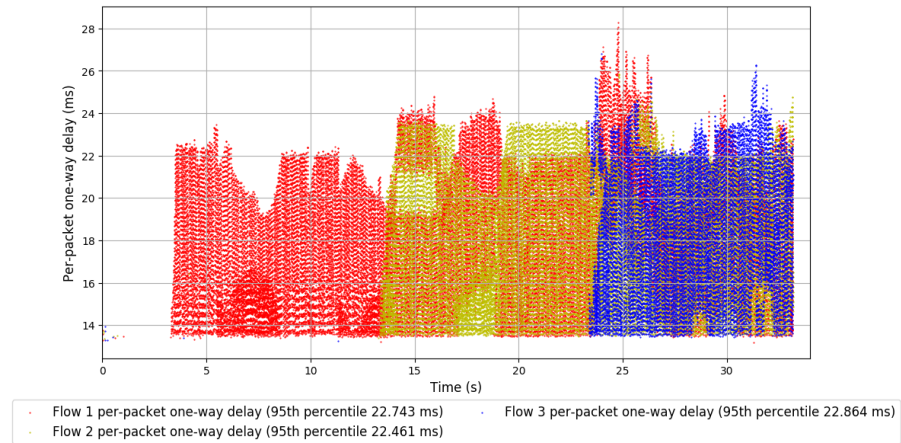
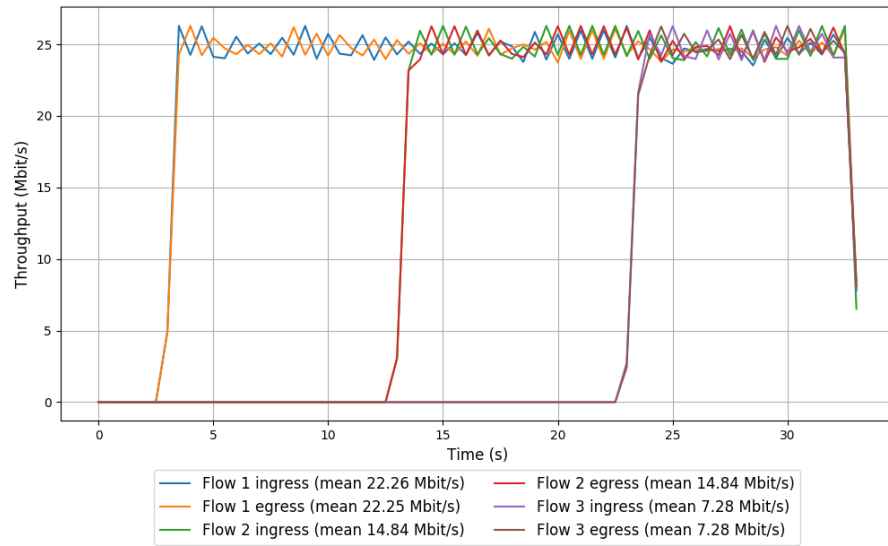
-- Flow 3:

Average throughput: 7.28 Mbit/s

95th percentile per-packet one-way delay: 22.864 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sat, 01 Jul 2017 10:48:54 +0000

End at: Sat, 01 Jul 2017 10:49:24 +0000

Local clock offset: -3.416 ms

Remote clock offset: -21.481 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.83 Mbit/s

95th percentile per-packet one-way delay: 24.555 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.07 Mbit/s

95th percentile per-packet one-way delay: 23.693 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.69 Mbit/s

95th percentile per-packet one-way delay: 24.831 ms

Loss rate: 0.00%

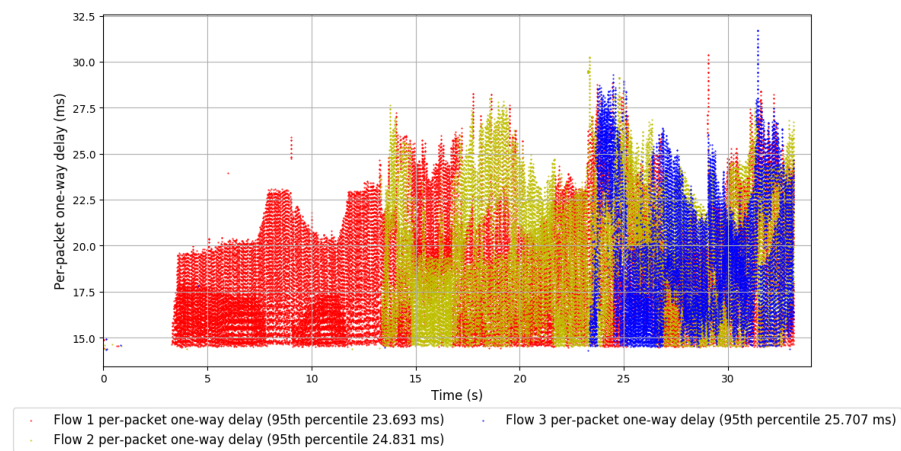
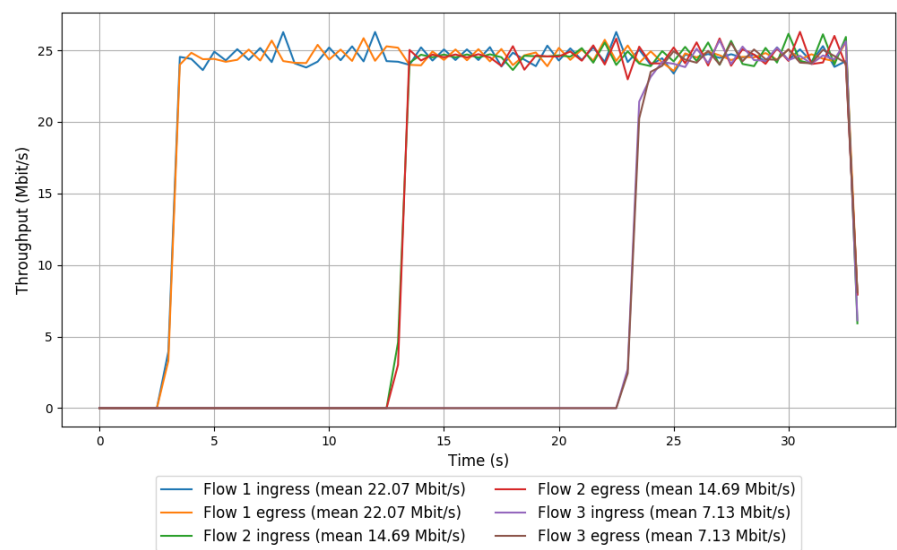
-- Flow 3:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 25.707 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sat, 01 Jul 2017 11:07:02 +0000

End at: Sat, 01 Jul 2017 11:07:32 +0000

Local clock offset: -3.113 ms

Remote clock offset: -22.7 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.86 Mbit/s

95th percentile per-packet one-way delay: 24.235 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.19 Mbit/s

95th percentile per-packet one-way delay: 23.862 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 24.911 ms

Loss rate: 0.00%

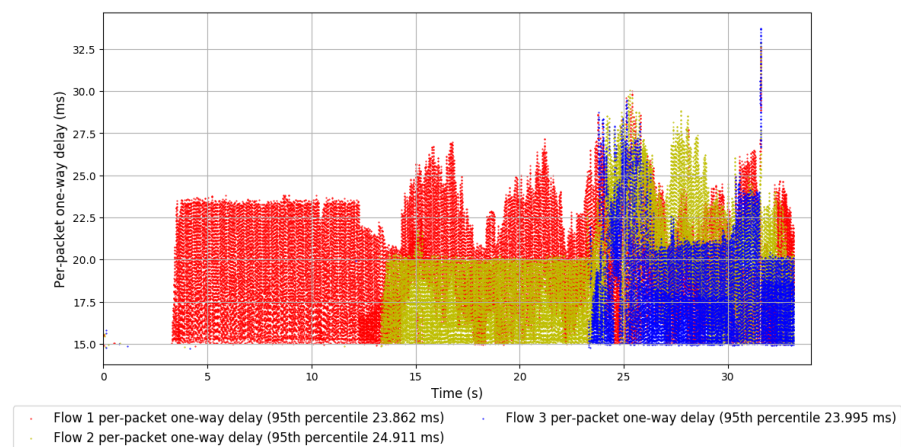
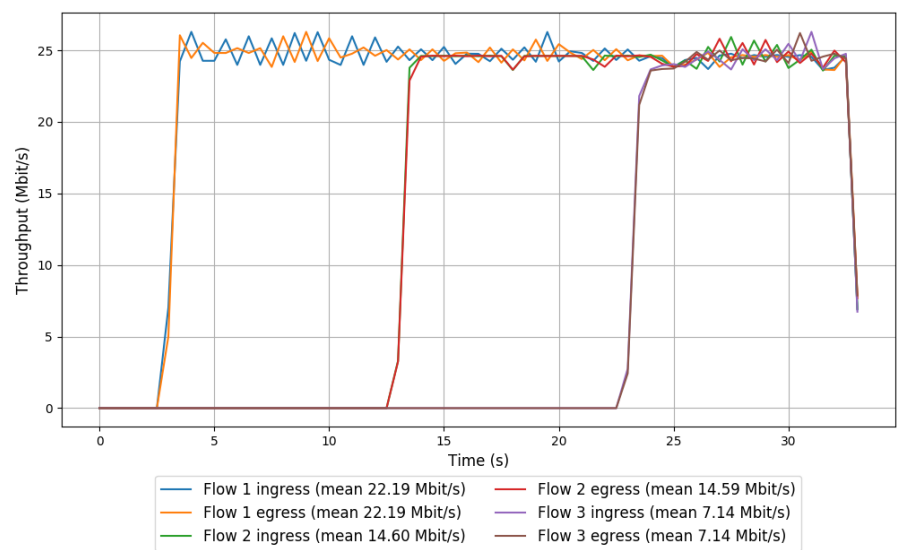
-- Flow 3:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 23.995 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sat, 01 Jul 2017 11:25:25 +0000

End at: Sat, 01 Jul 2017 11:25:55 +0000

Local clock offset: -3.449 ms

Remote clock offset: -22.565 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.83 Mbit/s

95th percentile per-packet one-way delay: 25.002 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 21.97 Mbit/s

95th percentile per-packet one-way delay: 25.528 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.62 Mbit/s

95th percentile per-packet one-way delay: 24.583 ms

Loss rate: 0.00%

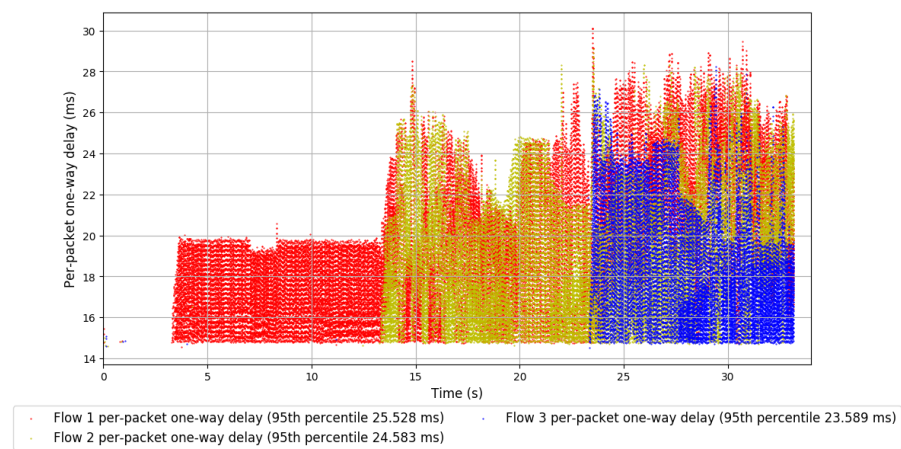
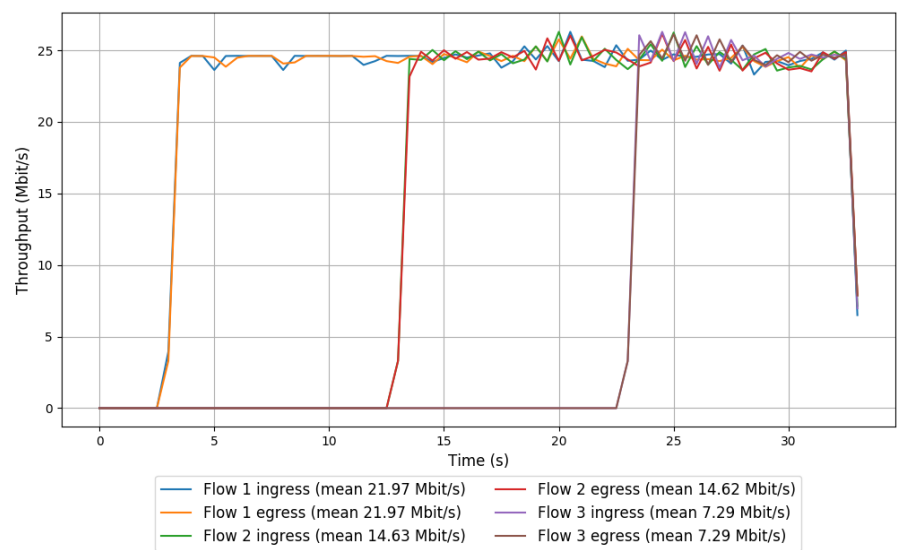
-- Flow 3:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 23.589 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sat, 01 Jul 2017 11:43:54 +0000

End at: Sat, 01 Jul 2017 11:44:24 +0000

Local clock offset: -0.545 ms

Remote clock offset: -21.325 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.26 Mbit/s

95th percentile per-packet one-way delay: 23.785 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.31 Mbit/s

95th percentile per-packet one-way delay: 23.695 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.73 Mbit/s

95th percentile per-packet one-way delay: 23.635 ms

Loss rate: 0.00%

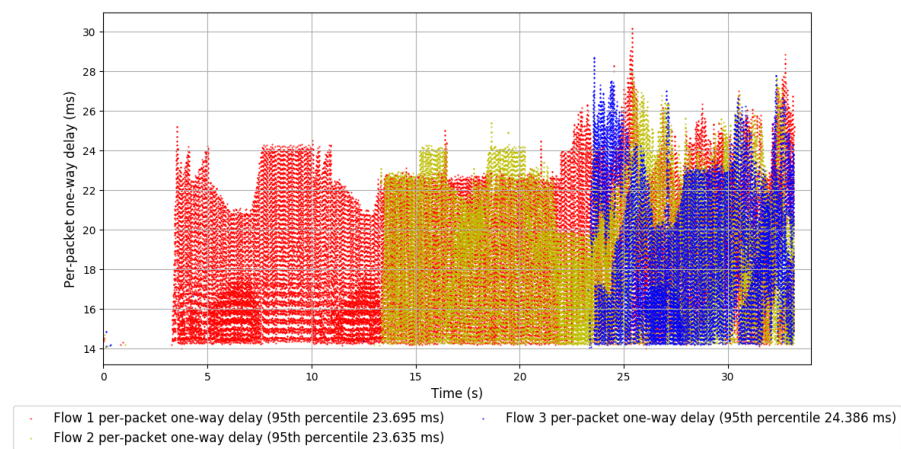
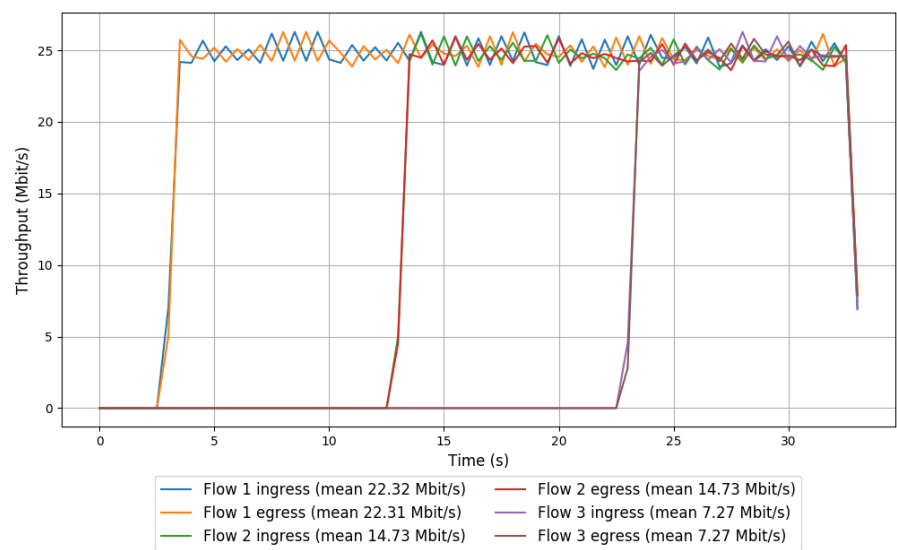
-- Flow 3:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 24.386 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sat, 01 Jul 2017 12:02:04 +0000

End at: Sat, 01 Jul 2017 12:02:34 +0000

Local clock offset: 0.917 ms

Remote clock offset: -23.319 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.83 Mbit/s

95th percentile per-packet one-way delay: 23.193 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.03 Mbit/s

95th percentile per-packet one-way delay: 22.886 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.75 Mbit/s

95th percentile per-packet one-way delay: 23.723 ms

Loss rate: 0.00%

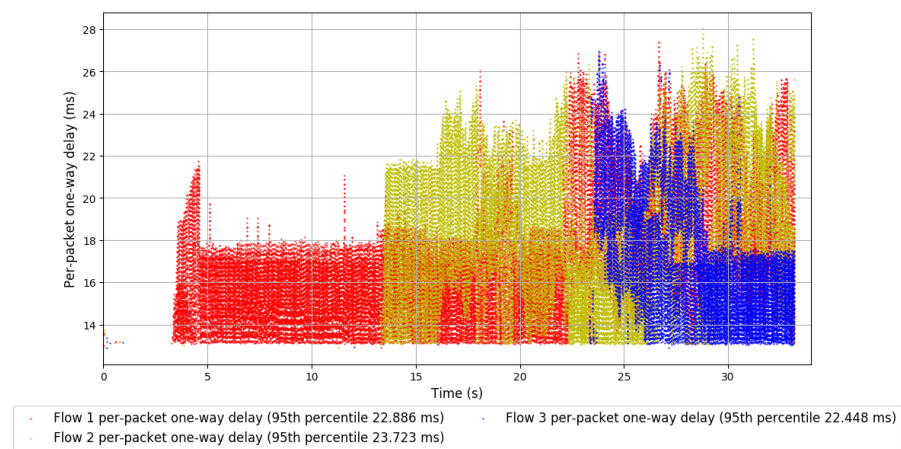
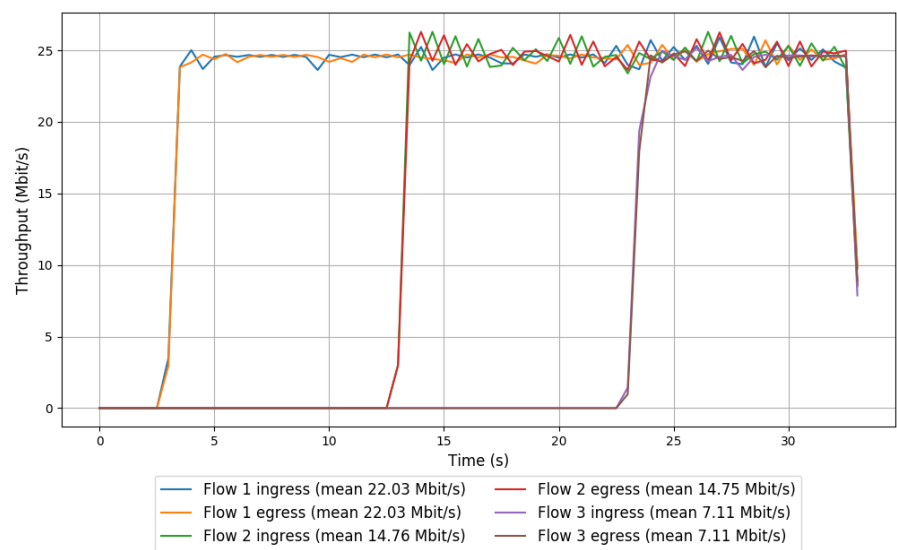
-- Flow 3:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 22.448 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 09:22:46 +0000

End at: Sat, 01 Jul 2017 09:23:16 +0000

Local clock offset: 2.175 ms

Remote clock offset: -20.114 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.59 Mbit/s

95th percentile per-packet one-way delay: 41.741 ms

Loss rate: 4.36%

-- Flow 1:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 40.335 ms

Loss rate: 3.20%

-- Flow 2:

Average throughput: 27.05 Mbit/s

95th percentile per-packet one-way delay: 44.035 ms

Loss rate: 6.49%

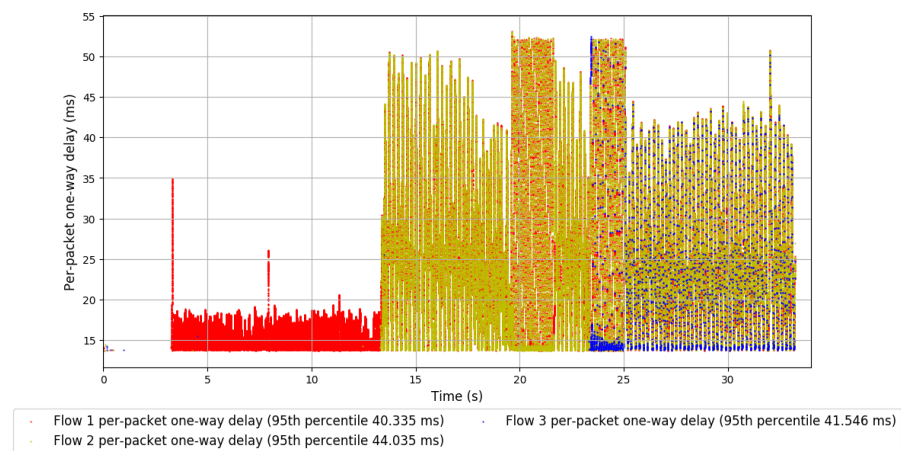
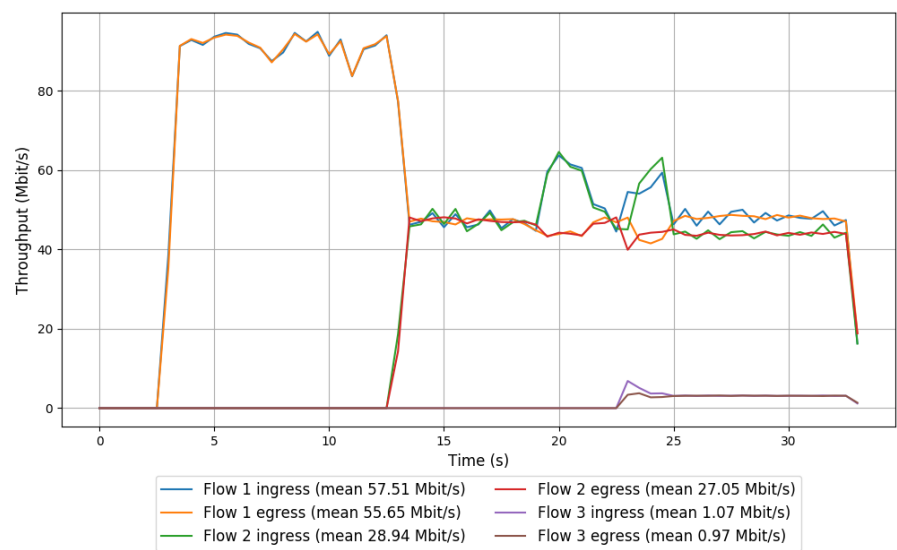
-- Flow 3:

Average throughput: 0.97 Mbit/s

95th percentile per-packet one-way delay: 41.546 ms

Loss rate: 9.37%

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



Run 2: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 09:41:26 +0000

End at: Sat, 01 Jul 2017 09:41:56 +0000

Local clock offset: 3.441 ms

Remote clock offset: -17.193 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:17:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.47 Mbit/s

95th percentile per-packet one-way delay: 41.215 ms

Loss rate: 2.74%

-- Flow 1:

Average throughput: 46.08 Mbit/s

95th percentile per-packet one-way delay: 37.734 ms

Loss rate: 2.09%

-- Flow 2:

Average throughput: 30.51 Mbit/s

95th percentile per-packet one-way delay: 42.806 ms

Loss rate: 3.21%

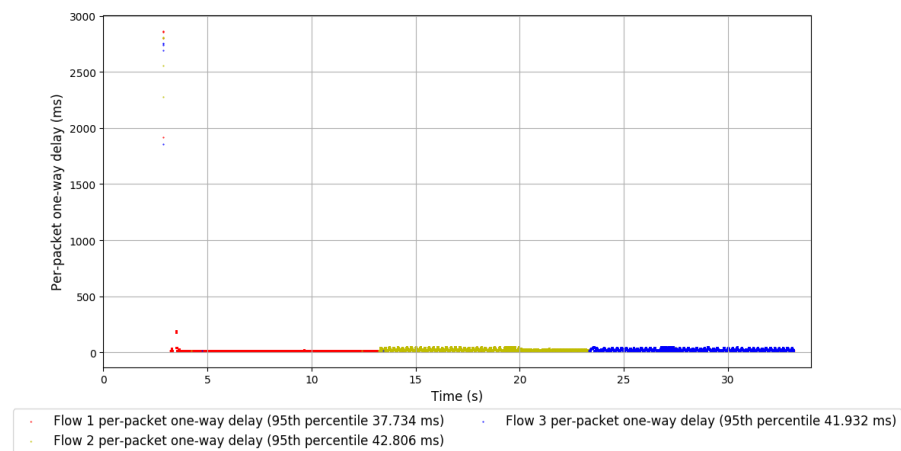
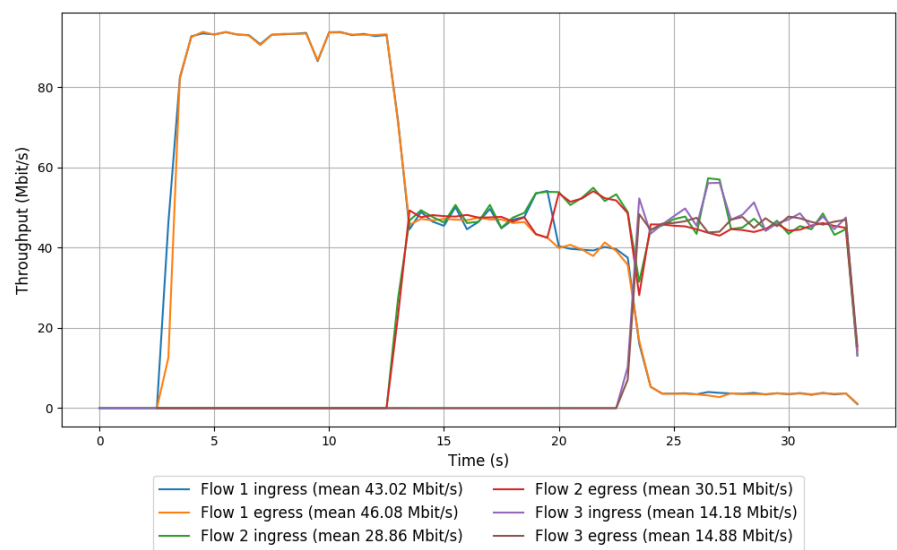
-- Flow 3:

Average throughput: 14.88 Mbit/s

95th percentile per-packet one-way delay: 41.932 ms

Loss rate: 3.76%

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



Run 3: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 10:00:05 +0000

End at: Sat, 01 Jul 2017 10:00:35 +0000

Local clock offset: 2.423 ms

Remote clock offset: -17.192 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:17:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.01 Mbit/s

95th percentile per-packet one-way delay: 42.967 ms

Loss rate: 2.85%

-- Flow 1:

Average throughput: 52.72 Mbit/s

95th percentile per-packet one-way delay: 40.409 ms

Loss rate: 1.67%

-- Flow 2:

Average throughput: 24.55 Mbit/s

95th percentile per-packet one-way delay: 44.444 ms

Loss rate: 3.37%

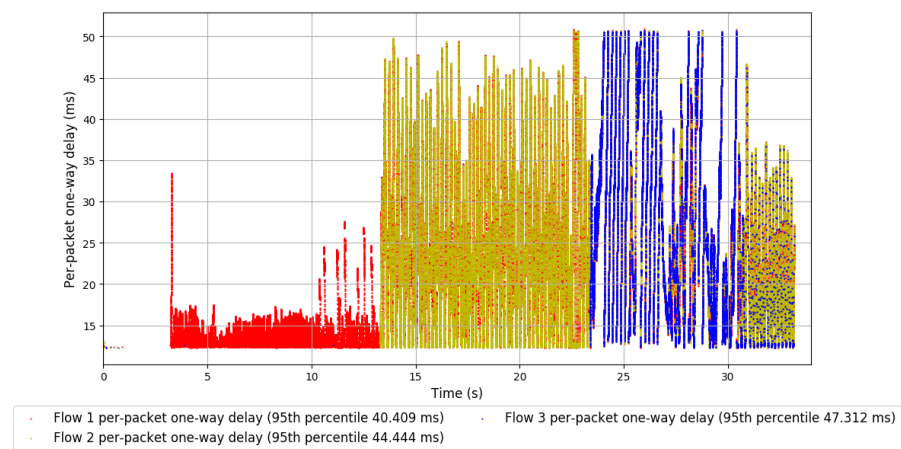
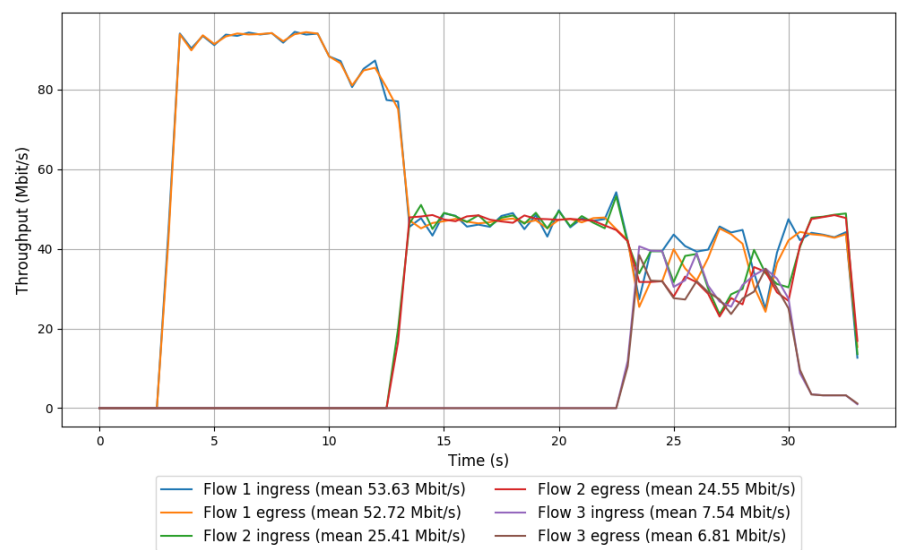
-- Flow 3:

Average throughput: 6.81 Mbit/s

95th percentile per-packet one-way delay: 47.312 ms

Loss rate: 9.57%

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



Run 4: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 10:18:15 +0000

End at: Sat, 01 Jul 2017 10:18:45 +0000

Local clock offset: 2.101 ms

Remote clock offset: -18.703 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:17:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 40.009 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 54.21 Mbit/s

95th percentile per-packet one-way delay: 38.437 ms

Loss rate: 0.98%

-- Flow 2:

Average throughput: 27.34 Mbit/s

95th percentile per-packet one-way delay: 41.572 ms

Loss rate: 2.04%

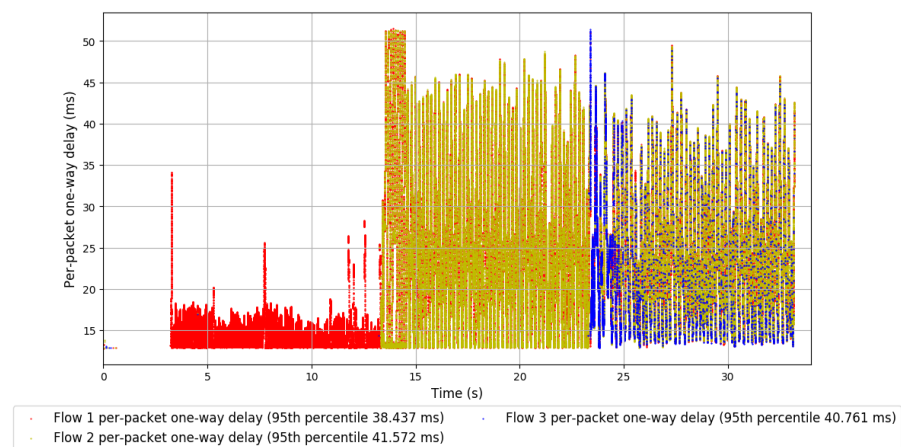
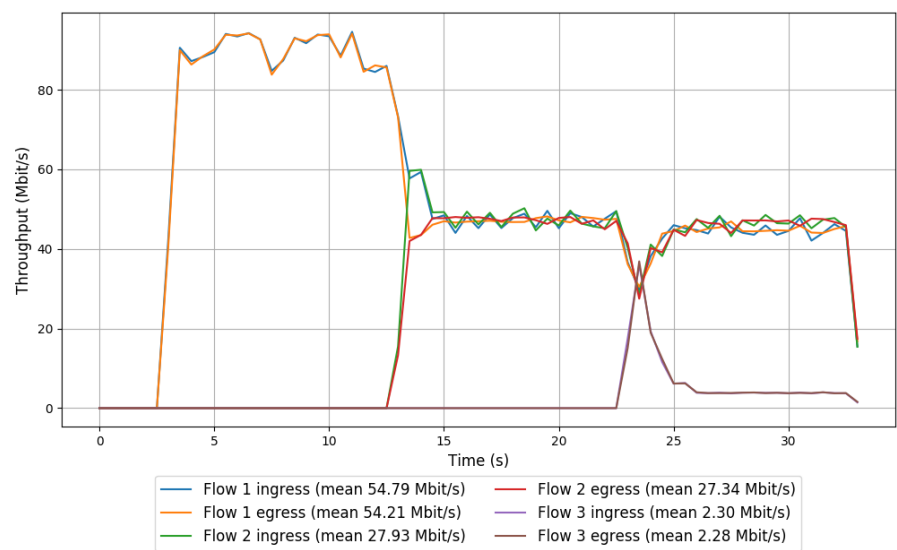
-- Flow 3:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 40.761 ms

Loss rate: 0.58%

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



Run 5: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 10:36:30 +0000

End at: Sat, 01 Jul 2017 10:37:00 +0000

Local clock offset: 1.118 ms

Remote clock offset: -19.277 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:17:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.01 Mbit/s

95th percentile per-packet one-way delay: 41.730 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 43.65 Mbit/s

95th percentile per-packet one-way delay: 40.159 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 27.68 Mbit/s

95th percentile per-packet one-way delay: 43.193 ms

Loss rate: 0.00%

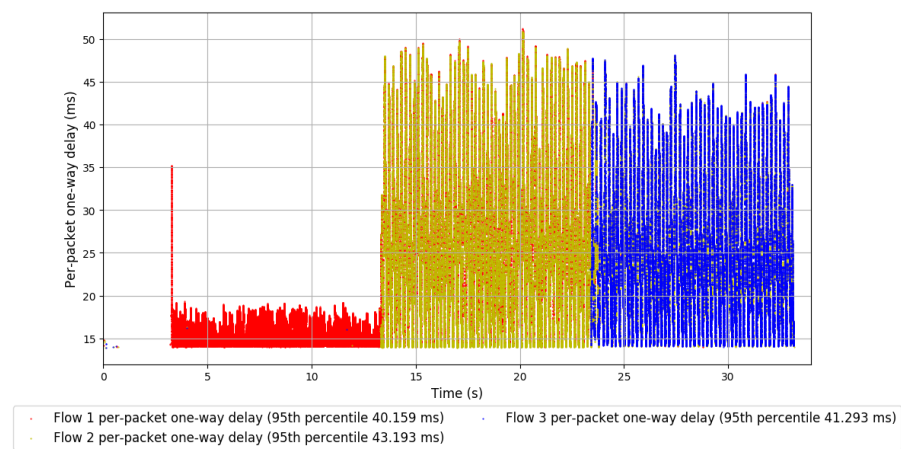
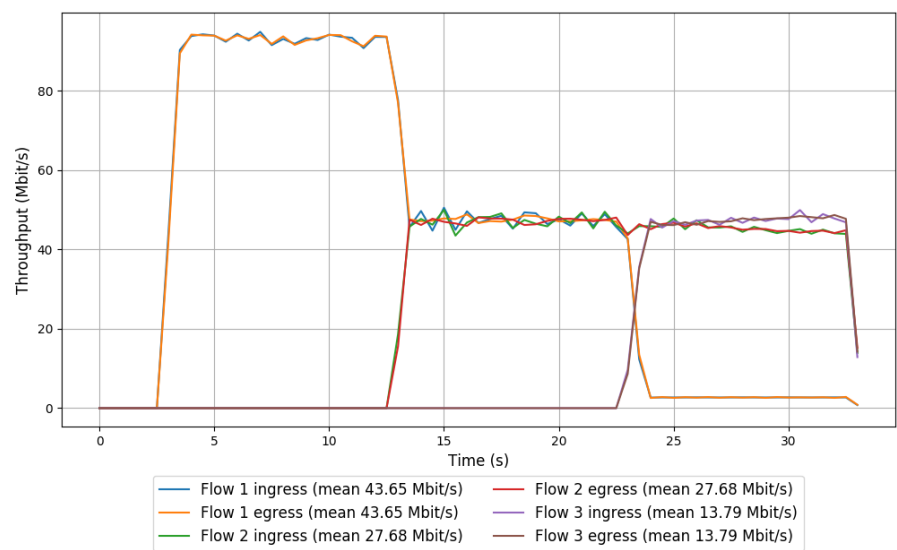
-- Flow 3:

Average throughput: 13.79 Mbit/s

95th percentile per-packet one-way delay: 41.293 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

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

End at: Sat, 01 Jul 2017 10:55:24 +0000

Local clock offset: -3.788 ms

Remote clock offset: -21.627 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:17:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.00 Mbit/s

95th percentile per-packet one-way delay: 43.144 ms

Loss rate: 3.07%

-- Flow 1:

Average throughput: 46.62 Mbit/s

95th percentile per-packet one-way delay: 40.692 ms

Loss rate: 1.89%

-- Flow 2:

Average throughput: 26.57 Mbit/s

95th percentile per-packet one-way delay: 44.132 ms

Loss rate: 3.19%

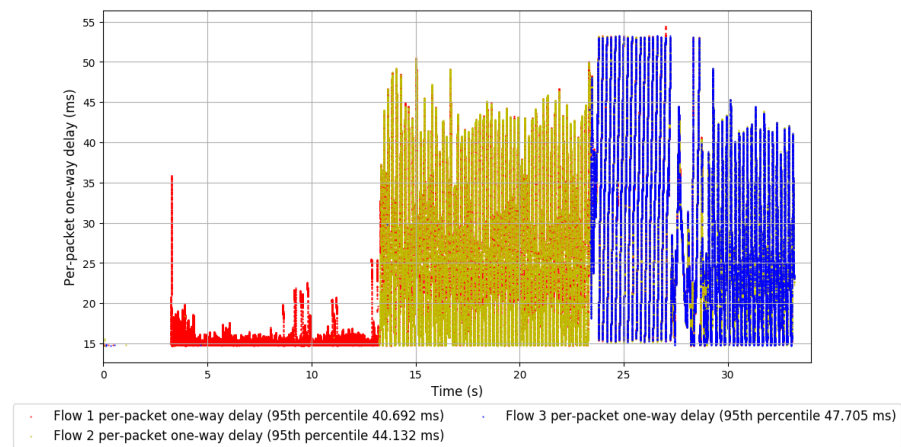
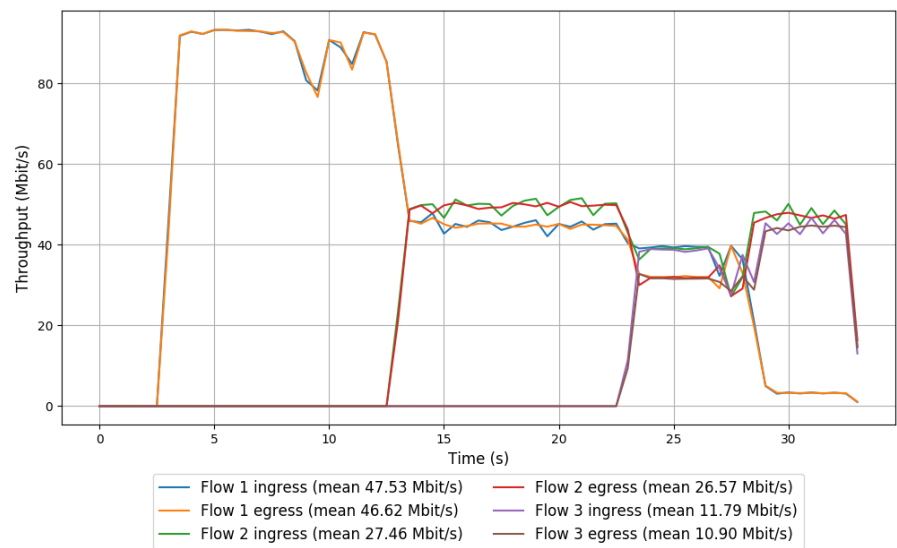
-- Flow 3:

Average throughput: 10.90 Mbit/s

95th percentile per-packet one-way delay: 47.705 ms

Loss rate: 7.53%

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



Run 7: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 11:13:08 +0000

End at: Sat, 01 Jul 2017 11:13:38 +0000

Local clock offset: -2.842 ms

Remote clock offset: -22.057 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:18:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.90 Mbit/s

95th percentile per-packet one-way delay: 42.694 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 55.26 Mbit/s

95th percentile per-packet one-way delay: 41.071 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 28.22 Mbit/s

95th percentile per-packet one-way delay: 44.653 ms

Loss rate: 0.08%

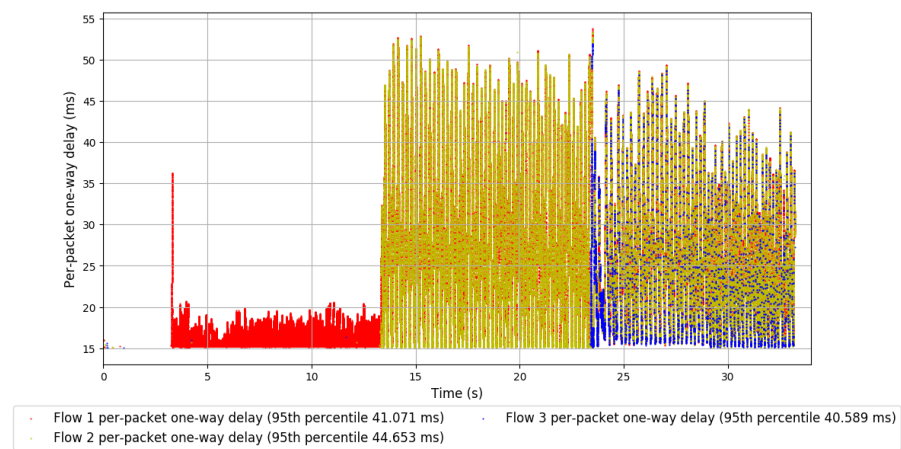
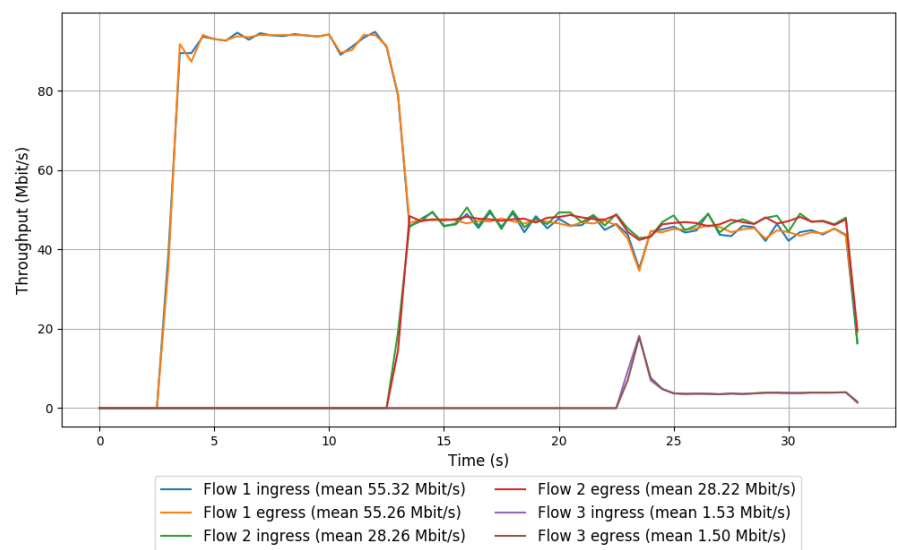
-- Flow 3:

Average throughput: 1.50 Mbit/s

95th percentile per-packet one-way delay: 40.589 ms

Loss rate: 1.82%

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



Run 8: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 11:31:32 +0000

End at: Sat, 01 Jul 2017 11:32:02 +0000

Local clock offset: -4.014 ms

Remote clock offset: -20.912 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:18:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.74 Mbit/s

95th percentile per-packet one-way delay: 45.345 ms

Loss rate: 2.29%

-- Flow 1:

Average throughput: 52.89 Mbit/s

95th percentile per-packet one-way delay: 43.375 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 24.70 Mbit/s

95th percentile per-packet one-way delay: 46.549 ms

Loss rate: 2.62%

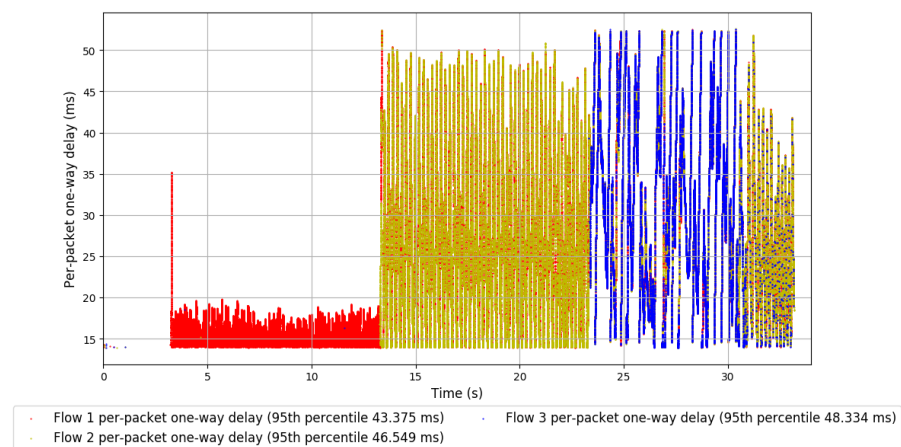
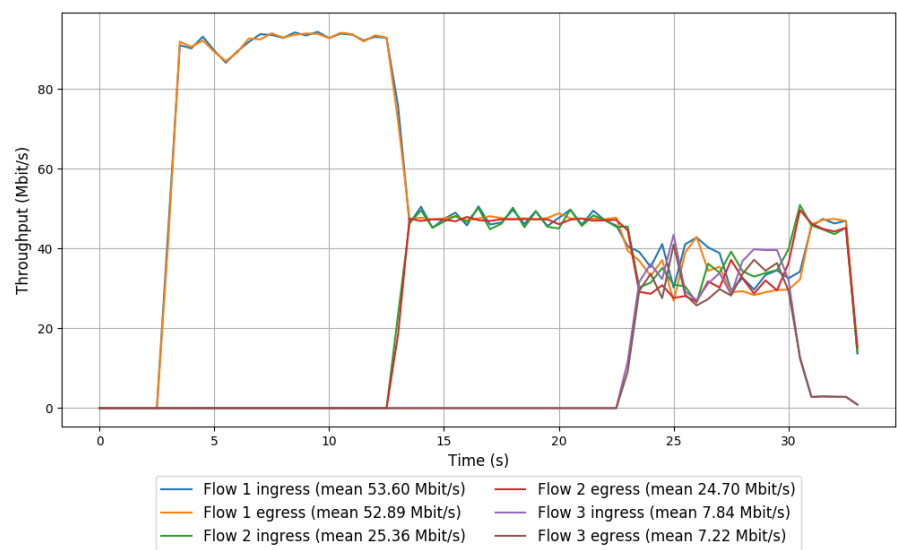
-- Flow 3:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 48.334 ms

Loss rate: 7.96%

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



Run 9: Statistics of TaoVA-100x

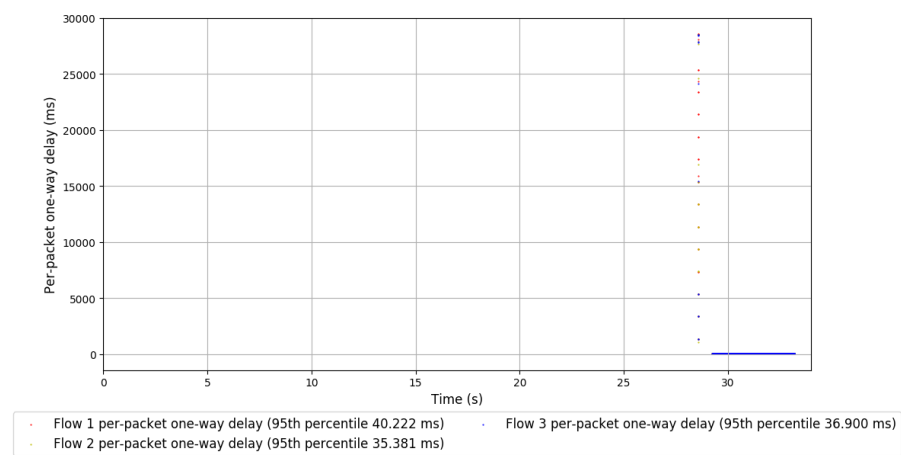
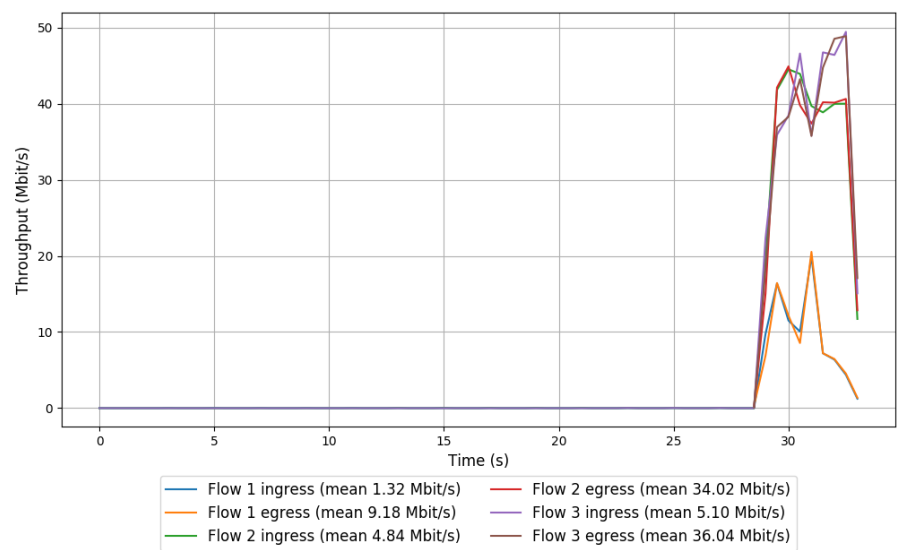
Start at: Sat, 01 Jul 2017 11:50:00 +0000

End at: Sat, 01 Jul 2017 11:50:30 +0000

Local clock offset: -0.555 ms

Remote clock offset: -20.801 ms

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



Run 10: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 12:08:07 +0000

End at: Sat, 01 Jul 2017 12:08:37 +0000

Local clock offset: 2.227 ms

Remote clock offset: -18.506 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:18:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.32 Mbit/s

95th percentile per-packet one-way delay: 42.873 ms

Loss rate: 4.91%

-- Flow 1:

Average throughput: 47.97 Mbit/s

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

Loss rate: 3.55%

-- Flow 2:

Average throughput: 24.76 Mbit/s

95th percentile per-packet one-way delay: 44.362 ms

Loss rate: 6.62%

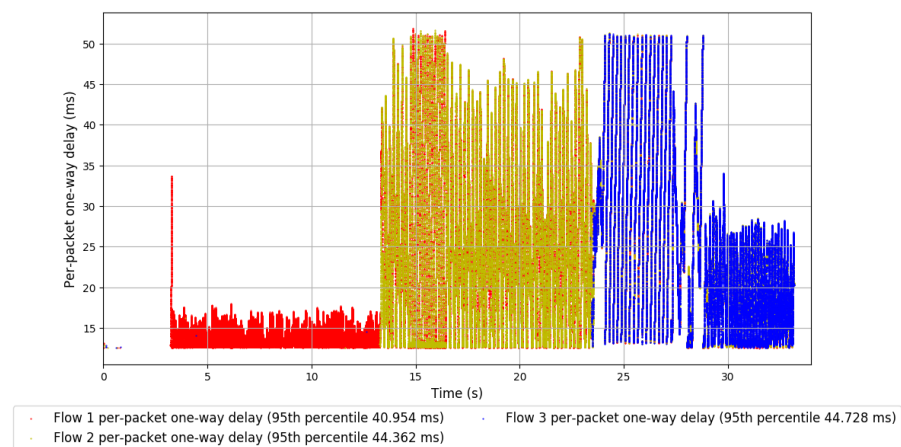
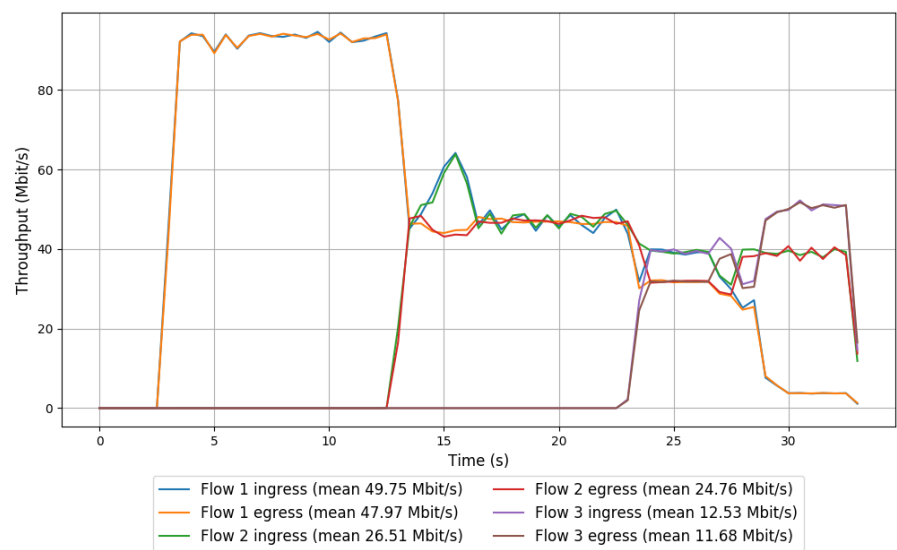
-- Flow 3:

Average throughput: 11.68 Mbit/s

95th percentile per-packet one-way delay: 44.728 ms

Loss rate: 6.75%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 09:17:48 +0000

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

Local clock offset: 2.346 ms

Remote clock offset: -19.552 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:18:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.76 Mbit/s

95th percentile per-packet one-way delay: 17.039 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 53.82 Mbit/s

95th percentile per-packet one-way delay: 17.108 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.55 Mbit/s

95th percentile per-packet one-way delay: 16.980 ms

Loss rate: 0.01%

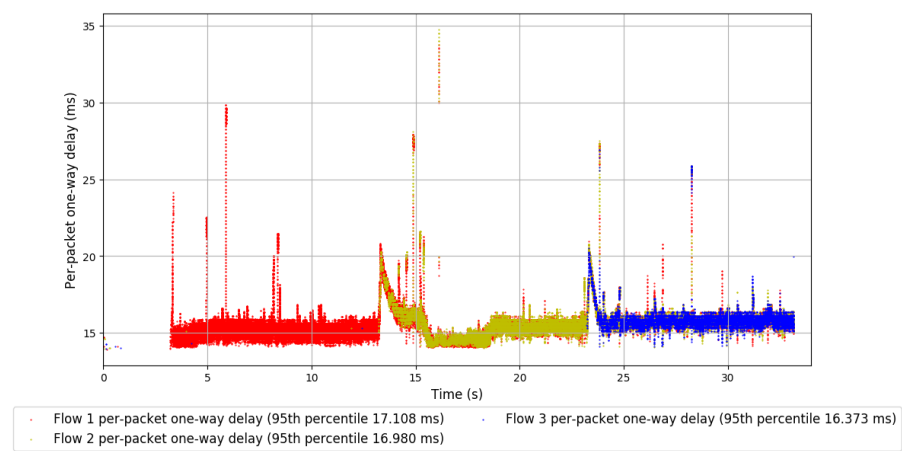
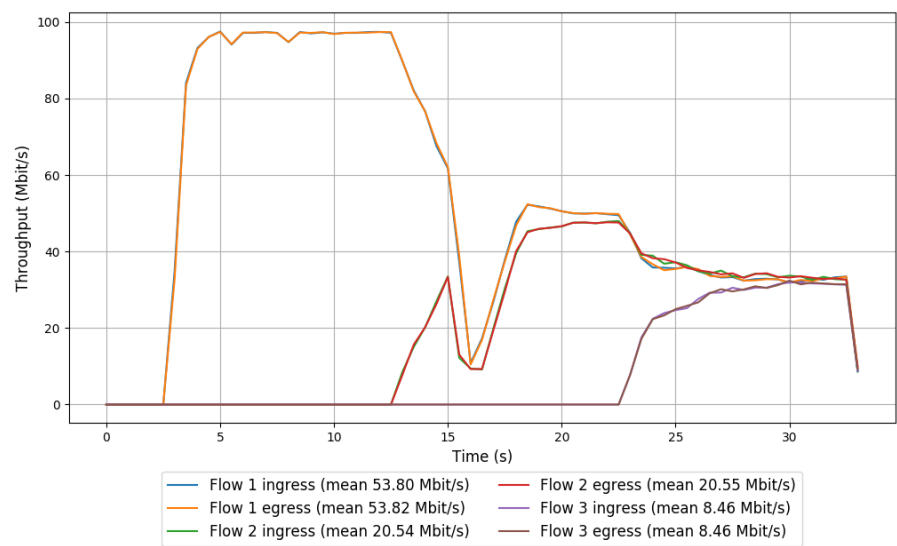
-- Flow 3:

Average throughput: 8.46 Mbit/s

95th percentile per-packet one-way delay: 16.373 ms

Loss rate: 0.05%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 09:36:27 +0000

End at: Sat, 01 Jul 2017 09:36:57 +0000

Local clock offset: 1.652 ms

Remote clock offset: -18.755 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:18:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.58 Mbit/s

95th percentile per-packet one-way delay: 22.085 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 53.54 Mbit/s

95th percentile per-packet one-way delay: 24.037 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 21.25 Mbit/s

95th percentile per-packet one-way delay: 15.723 ms

Loss rate: 0.00%

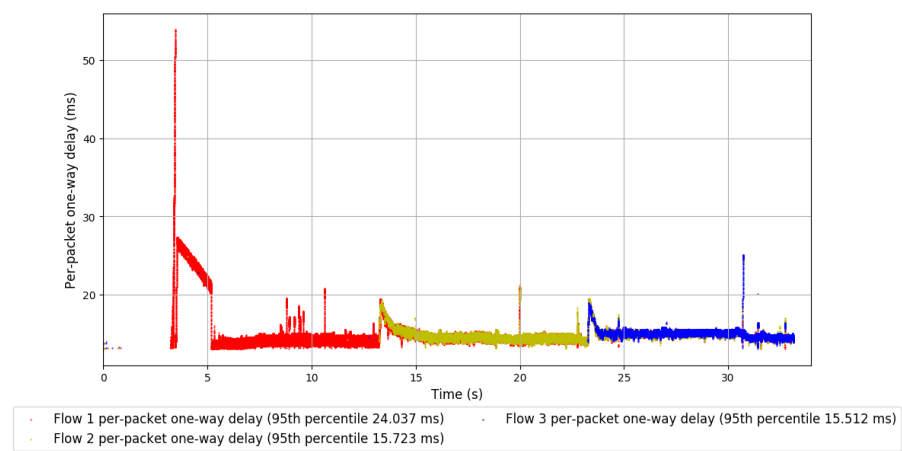
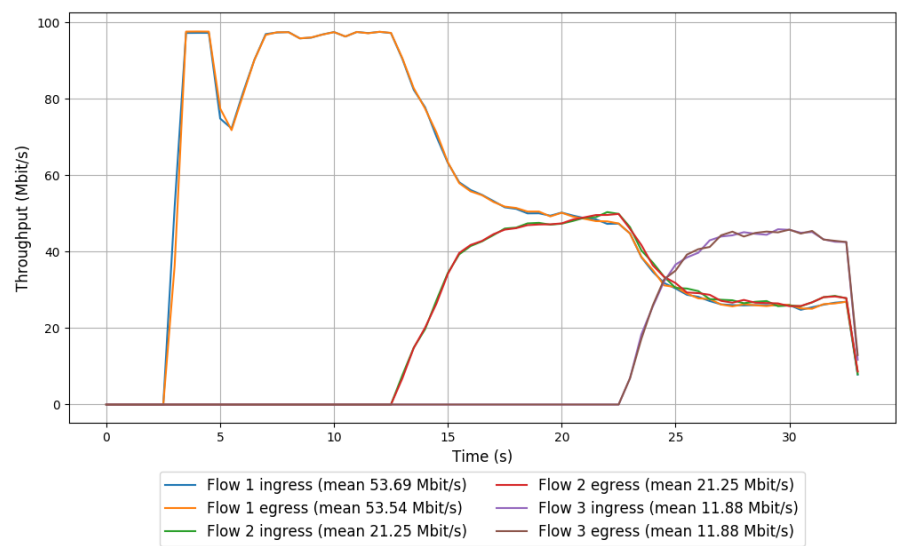
-- Flow 3:

Average throughput: 11.88 Mbit/s

95th percentile per-packet one-way delay: 15.512 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 09:55:08 +0000

End at: Sat, 01 Jul 2017 09:55:38 +0000

Local clock offset: 1.741 ms

Remote clock offset: -17.196 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:18:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.45 Mbit/s

95th percentile per-packet one-way delay: 22.251 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 55.38 Mbit/s

95th percentile per-packet one-way delay: 23.749 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 23.32 Mbit/s

95th percentile per-packet one-way delay: 15.876 ms

Loss rate: 0.00%

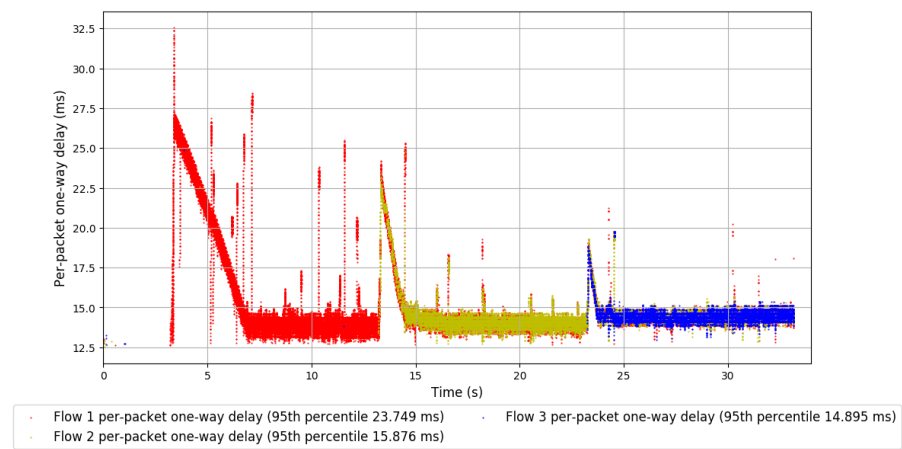
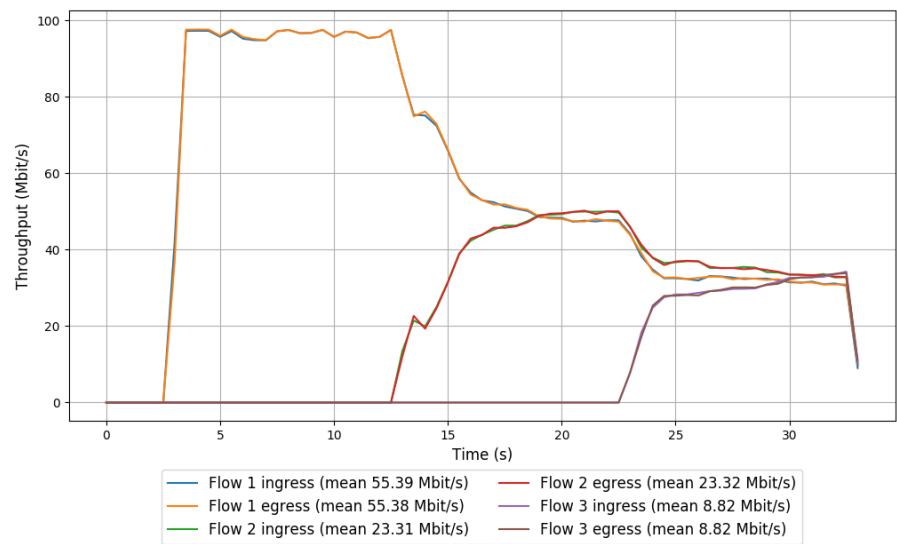
-- Flow 3:

Average throughput: 8.82 Mbit/s

95th percentile per-packet one-way delay: 14.895 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:13:21 +0000

End at: Sat, 01 Jul 2017 10:13:51 +0000

Local clock offset: 0.048 ms

Remote clock offset: -18.887 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:18:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.60 Mbit/s

95th percentile per-packet one-way delay: 21.390 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 53.73 Mbit/s

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

Loss rate: 0.27%

-- Flow 2:

Average throughput: 23.01 Mbit/s

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

Loss rate: 0.00%

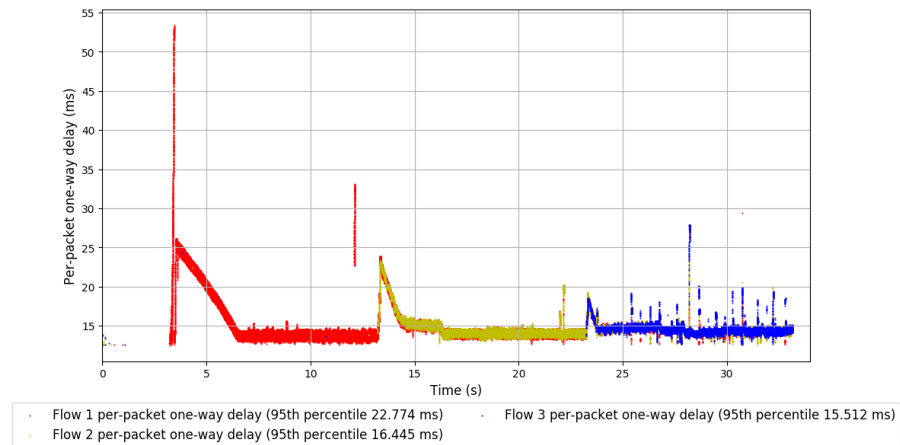
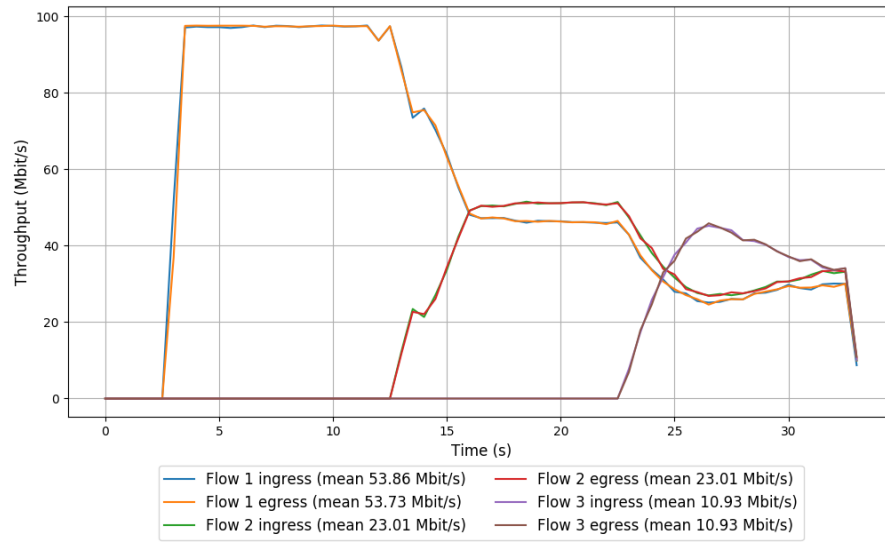
-- Flow 3:

Average throughput: 10.93 Mbit/s

95th percentile per-packet one-way delay: 15.512 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:31:40 +0000

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

Local clock offset: 0.148 ms

Remote clock offset: -18.548 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:19:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.88 Mbit/s

95th percentile per-packet one-way delay: 22.337 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 53.61 Mbit/s

95th percentile per-packet one-way delay: 24.253 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 25.04 Mbit/s

95th percentile per-packet one-way delay: 16.536 ms

Loss rate: 0.00%

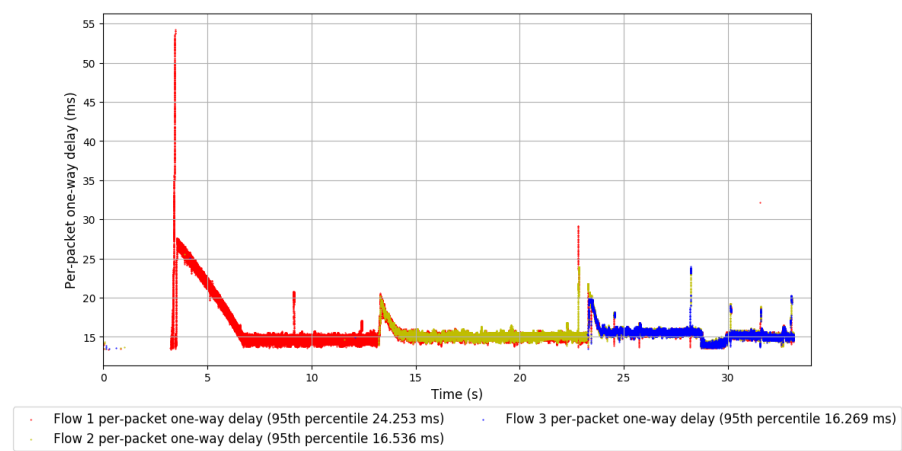
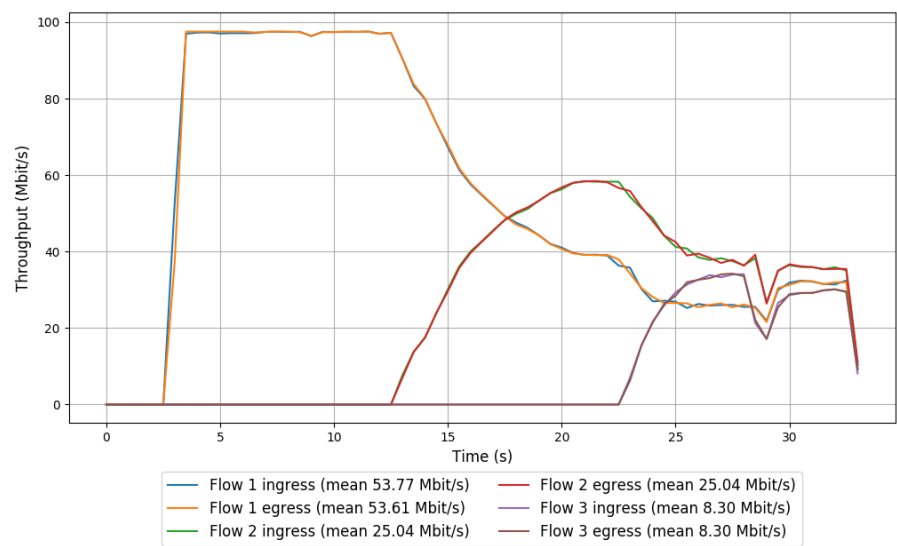
-- Flow 3:

Average throughput: 8.30 Mbit/s

95th percentile per-packet one-way delay: 16.269 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:50:02 +0000

End at: Sat, 01 Jul 2017 10:50:32 +0000

Local clock offset: 3.368 ms

Remote clock offset: -19.702 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:19:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.01 Mbit/s

95th percentile per-packet one-way delay: 24.111 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 53.54 Mbit/s

95th percentile per-packet one-way delay: 25.536 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 18.29 Mbit/s

95th percentile per-packet one-way delay: 18.441 ms

Loss rate: 0.01%

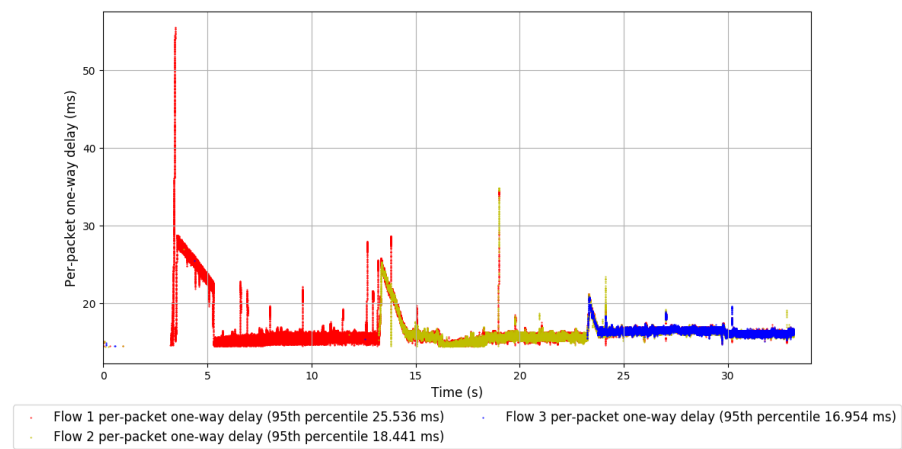
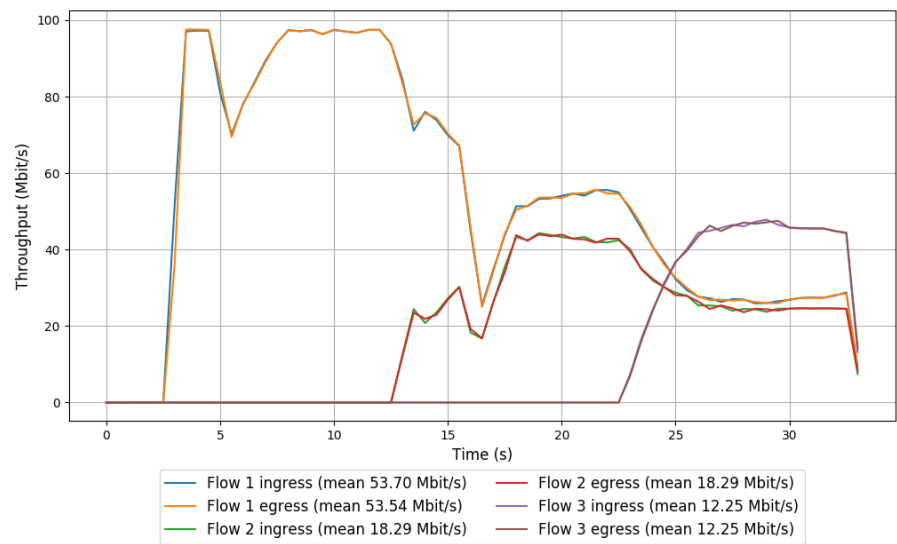
-- Flow 3:

Average throughput: 12.25 Mbit/s

95th percentile per-packet one-way delay: 16.954 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 11:08:10 +0000

End at: Sat, 01 Jul 2017 11:08:40 +0000

Local clock offset: -1.473 ms

Remote clock offset: -22.153 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:19:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.12 Mbit/s

95th percentile per-packet one-way delay: 23.785 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 51.69 Mbit/s

95th percentile per-packet one-way delay: 24.954 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 25.89 Mbit/s

95th percentile per-packet one-way delay: 18.864 ms

Loss rate: 0.00%

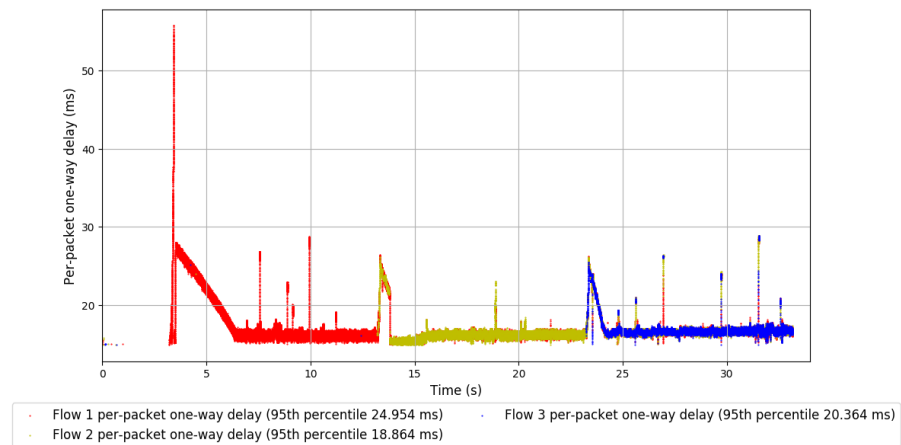
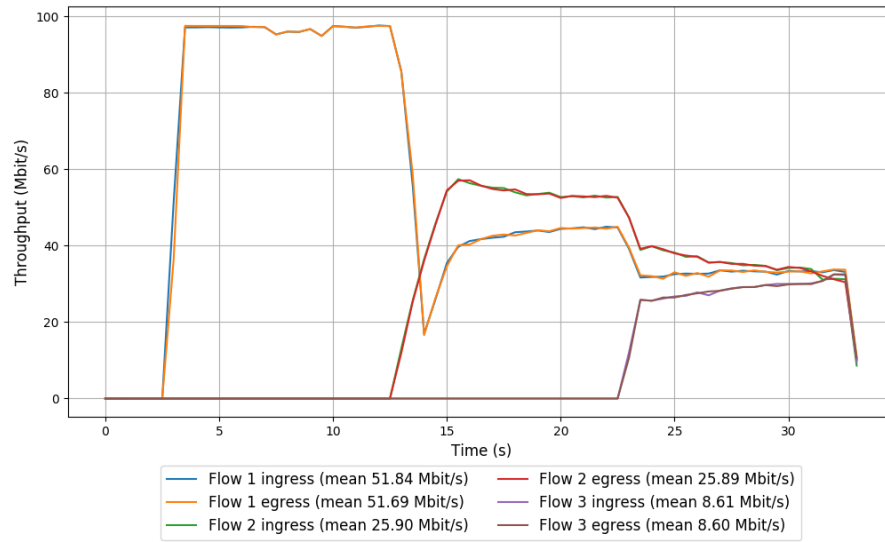
-- Flow 3:

Average throughput: 8.60 Mbit/s

95th percentile per-packet one-way delay: 20.364 ms

Loss rate: 0.00%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

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

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

Local clock offset: -3.778 ms

Remote clock offset: -21.114 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:19:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.61 Mbit/s

95th percentile per-packet one-way delay: 21.245 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 54.13 Mbit/s

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

Loss rate: 0.25%

-- Flow 2:

Average throughput: 22.59 Mbit/s

95th percentile per-packet one-way delay: 17.284 ms

Loss rate: 0.00%

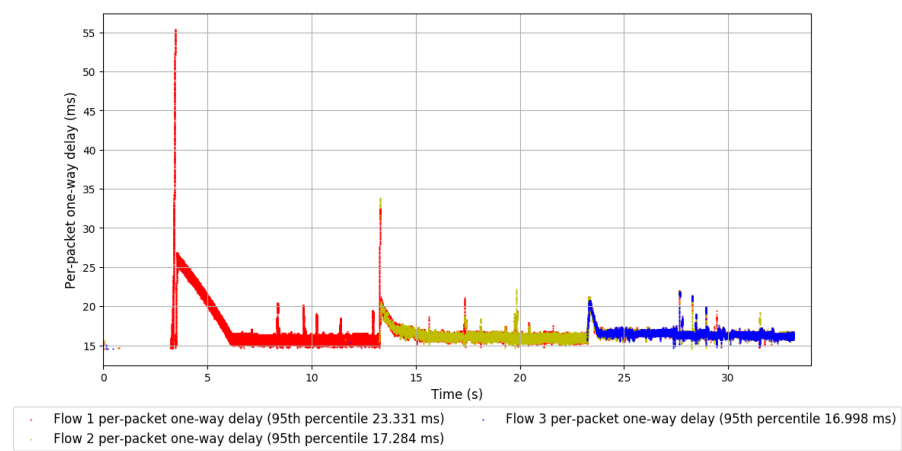
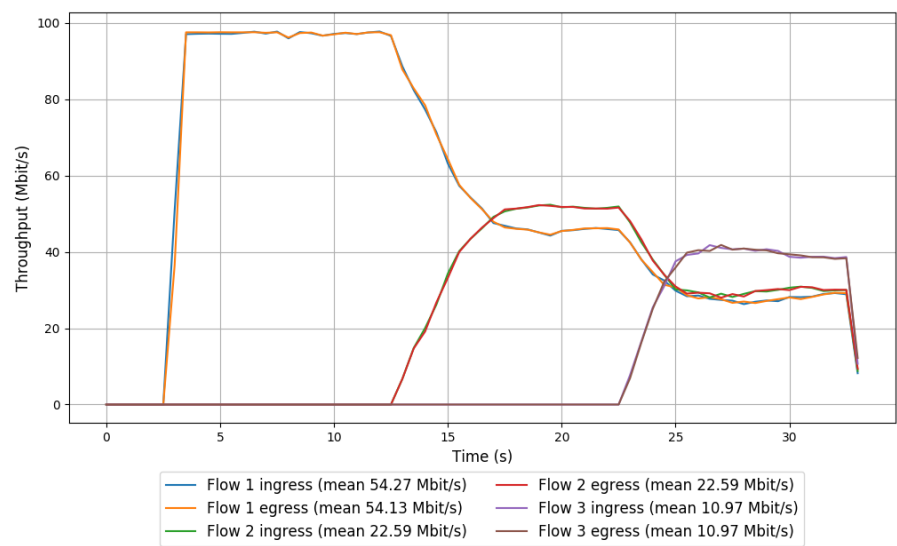
-- Flow 3:

Average throughput: 10.97 Mbit/s

95th percentile per-packet one-way delay: 16.998 ms

Loss rate: 0.00%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 11:45:03 +0000

End at: Sat, 01 Jul 2017 11:45:33 +0000

Local clock offset: -1.359 ms

Remote clock offset: -20.981 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:19:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.53 Mbit/s

95th percentile per-packet one-way delay: 18.788 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 55.96 Mbit/s

95th percentile per-packet one-way delay: 19.583 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 19.89 Mbit/s

95th percentile per-packet one-way delay: 17.124 ms

Loss rate: 0.01%

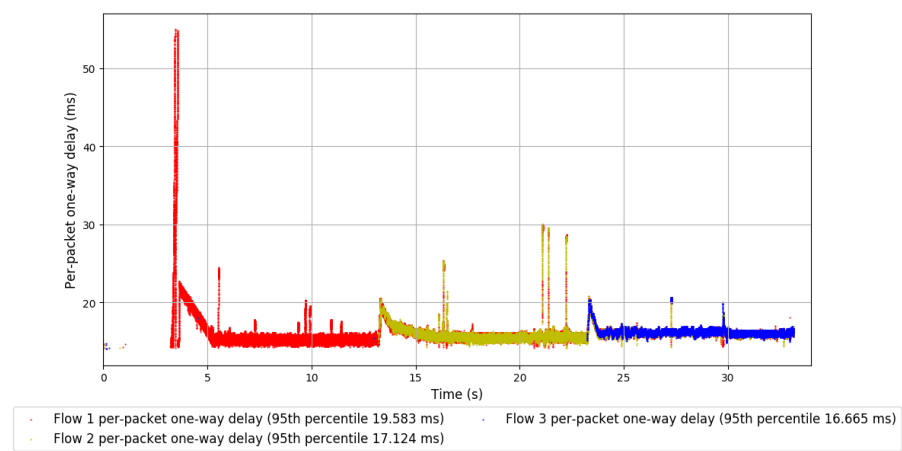
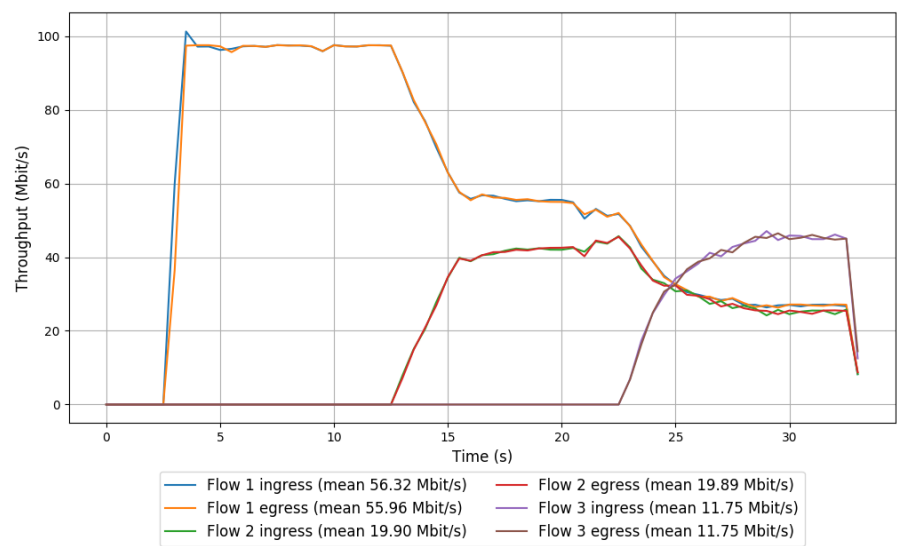
-- Flow 3:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 16.665 ms

Loss rate: 0.01%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 12:03:13 +0000

End at: Sat, 01 Jul 2017 12:03:43 +0000

Local clock offset: 1.891 ms

Remote clock offset: -18.413 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:19:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.36 Mbit/s

95th percentile per-packet one-way delay: 21.030 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 54.62 Mbit/s

95th percentile per-packet one-way delay: 22.552 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.86 Mbit/s

95th percentile per-packet one-way delay: 15.925 ms

Loss rate: 0.00%

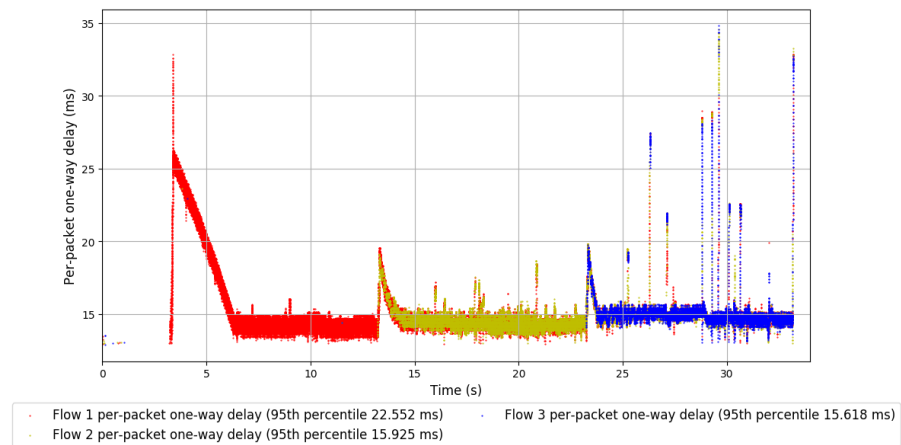
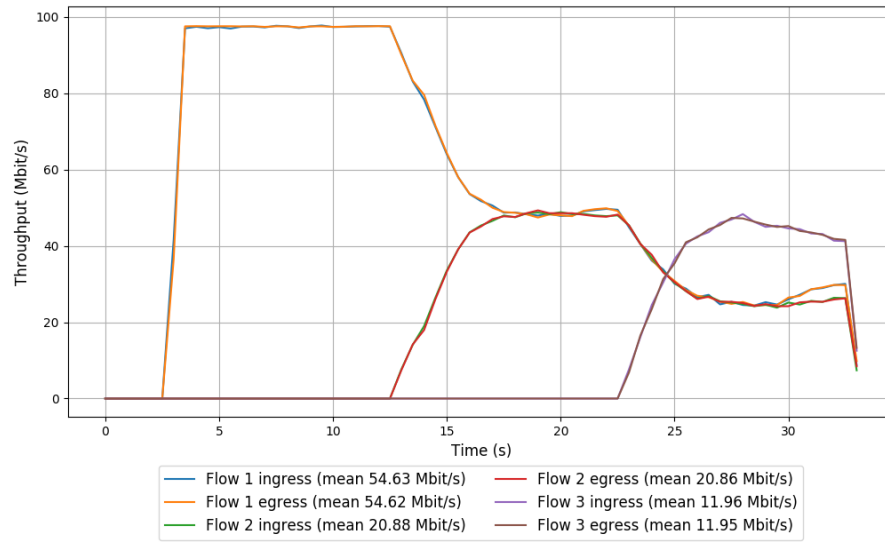
-- Flow 3:

Average throughput: 11.95 Mbit/s

95th percentile per-packet one-way delay: 15.618 ms

Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:08:08 +0000

End at: Sat, 01 Jul 2017 09:08:38 +0000

Local clock offset: 0.915 ms

Remote clock offset: -20.507 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:19:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.56 Mbit/s

95th percentile per-packet one-way delay: 48.878 ms

Loss rate: 30.65%

-- Flow 1:

Average throughput: 51.12 Mbit/s

95th percentile per-packet one-way delay: 47.681 ms

Loss rate: 14.74%

-- Flow 2:

Average throughput: 12.93 Mbit/s

95th percentile per-packet one-way delay: 51.362 ms

Loss rate: 60.07%

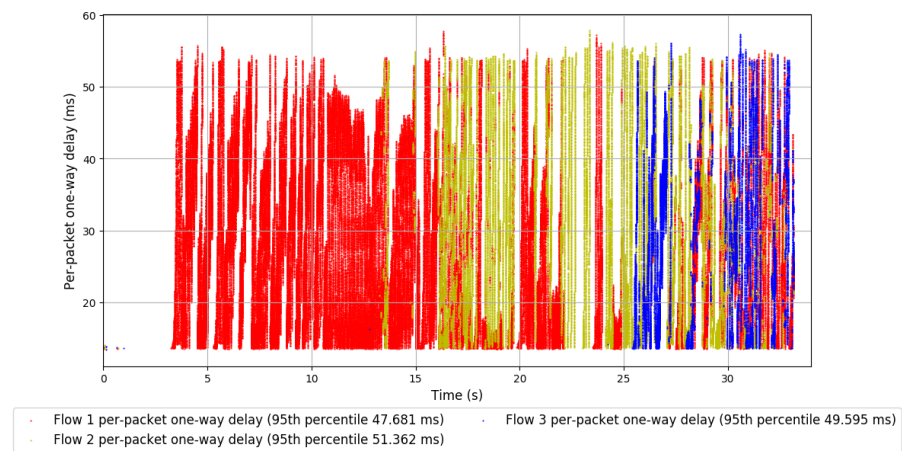
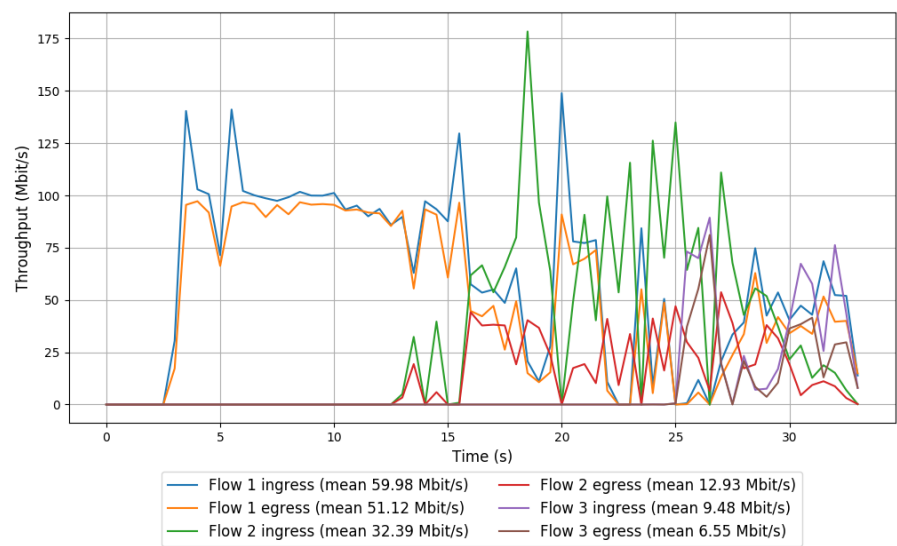
-- Flow 3:

Average throughput: 6.55 Mbit/s

95th percentile per-packet one-way delay: 49.595 ms

Loss rate: 30.90%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:26:45 +0000

End at: Sat, 01 Jul 2017 09:27:15 +0000

Local clock offset: 0.969 ms

Remote clock offset: -18.148 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:19:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.50 Mbit/s

95th percentile per-packet one-way delay: 49.148 ms

Loss rate: 30.52%

-- Flow 1:

Average throughput: 44.49 Mbit/s

95th percentile per-packet one-way delay: 47.734 ms

Loss rate: 14.78%

-- Flow 2:

Average throughput: 19.97 Mbit/s

95th percentile per-packet one-way delay: 50.721 ms

Loss rate: 46.61%

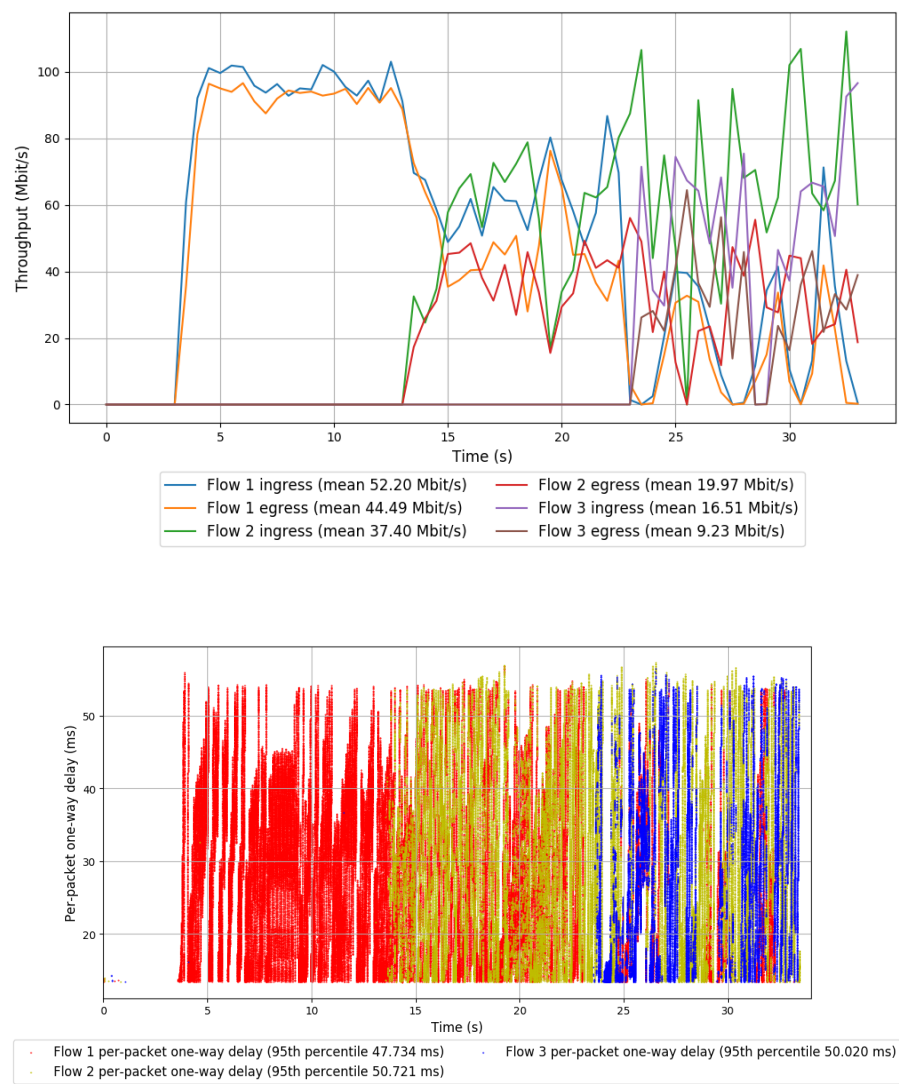
-- Flow 3:

Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 50.020 ms

Loss rate: 44.09%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:45:22 +0000

End at: Sat, 01 Jul 2017 09:45:52 +0000

Local clock offset: 2.544 ms

Remote clock offset: -19.909 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:19:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.60 Mbit/s

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

Loss rate: 22.91%

-- Flow 1:

Average throughput: 42.43 Mbit/s

95th percentile per-packet one-way delay: 47.575 ms

Loss rate: 24.81%

-- Flow 2:

Average throughput: 28.37 Mbit/s

95th percentile per-packet one-way delay: 47.071 ms

Loss rate: 20.38%

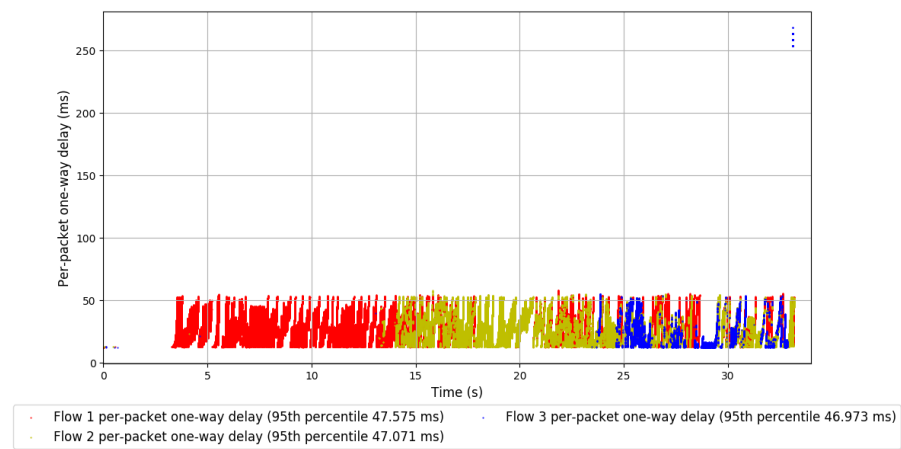
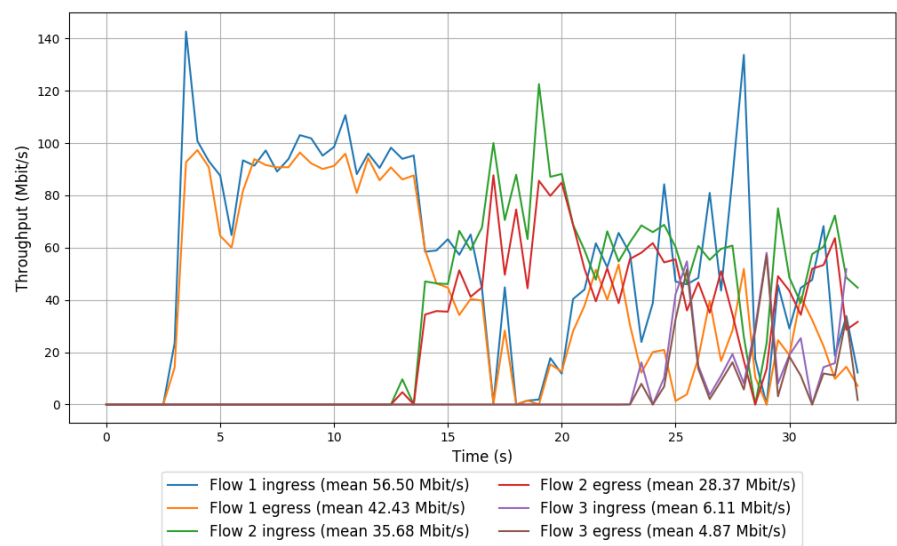
-- Flow 3:

Average throughput: 4.87 Mbit/s

95th percentile per-packet one-way delay: 46.973 ms

Loss rate: 20.14%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

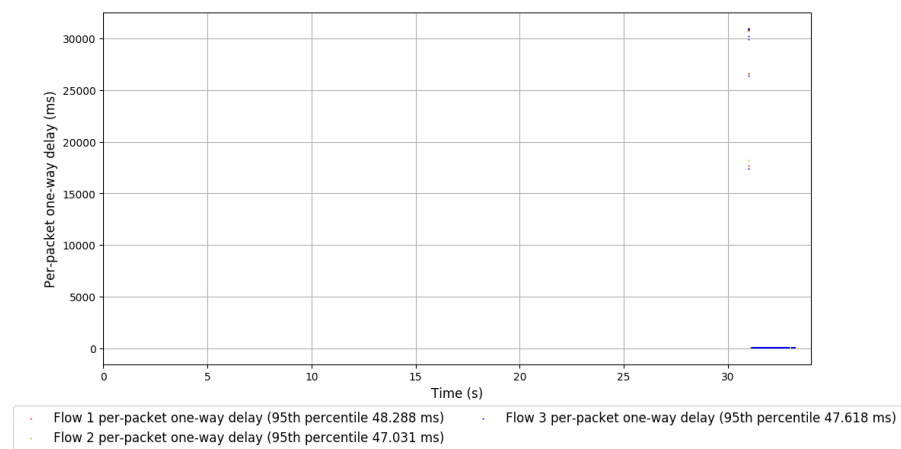
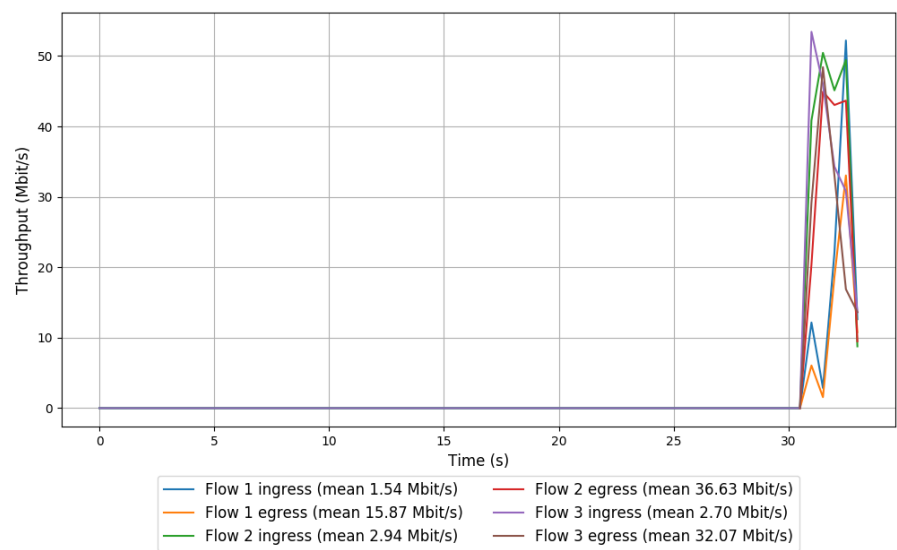
Start at: Sat, 01 Jul 2017 10:04:04 +0000

End at: Sat, 01 Jul 2017 10:04:34 +0000

Local clock offset: 0.489 ms

Remote clock offset: -18.353 ms

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sat, 01 Jul 2017 10:22:15 +0000

End at: Sat, 01 Jul 2017 10:22:45 +0000

Local clock offset: 0.548 ms

Remote clock offset: -19.331 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:19:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.07 Mbit/s

95th percentile per-packet one-way delay: 48.725 ms

Loss rate: 24.76%

-- Flow 1:

Average throughput: 49.42 Mbit/s

95th percentile per-packet one-way delay: 48.372 ms

Loss rate: 20.36%

-- Flow 2:

Average throughput: 17.00 Mbit/s

95th percentile per-packet one-way delay: 49.654 ms

Loss rate: 32.58%

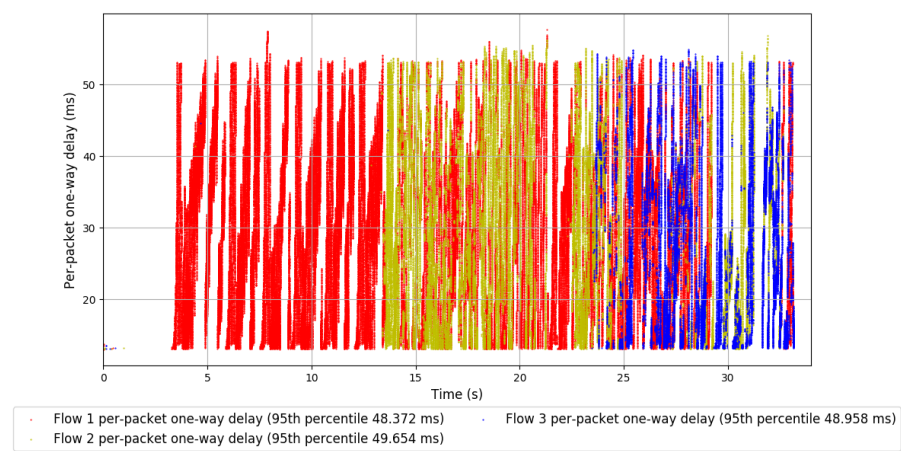
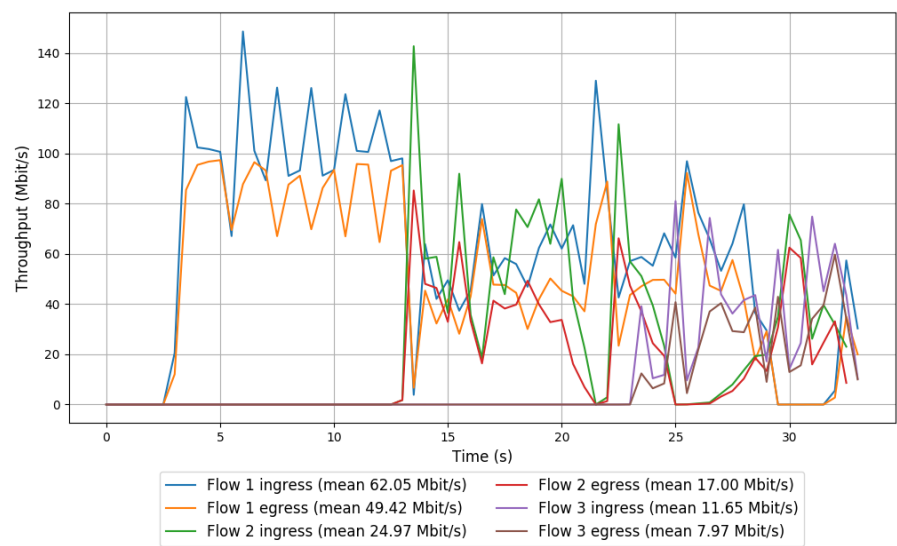
-- Flow 3:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 48.958 ms

Loss rate: 31.57%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sat, 01 Jul 2017 10:40:23 +0000

End at: Sat, 01 Jul 2017 10:40:53 +0000

Local clock offset: 2.122 ms

Remote clock offset: -19.48 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.93 Mbit/s

95th percentile per-packet one-way delay: 49.532 ms

Loss rate: 24.40%

-- Flow 1:

Average throughput: 48.16 Mbit/s

95th percentile per-packet one-way delay: 48.737 ms

Loss rate: 13.38%

-- Flow 2:

Average throughput: 15.44 Mbit/s

95th percentile per-packet one-way delay: 50.857 ms

Loss rate: 34.73%

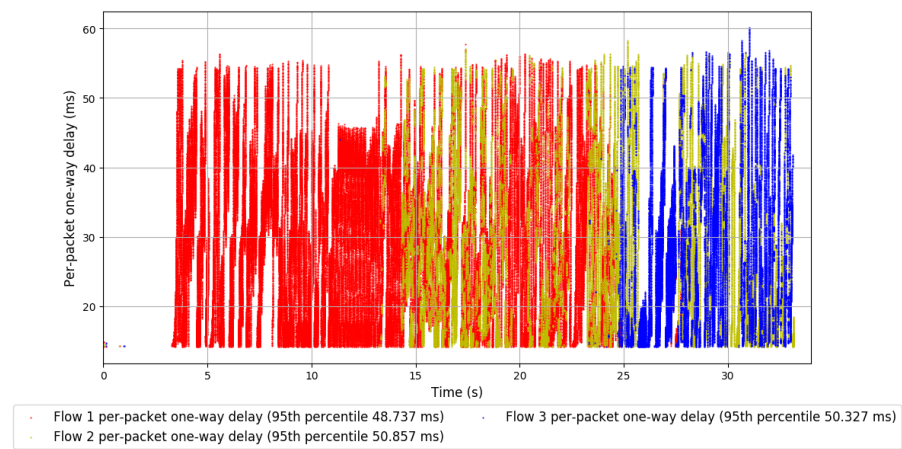
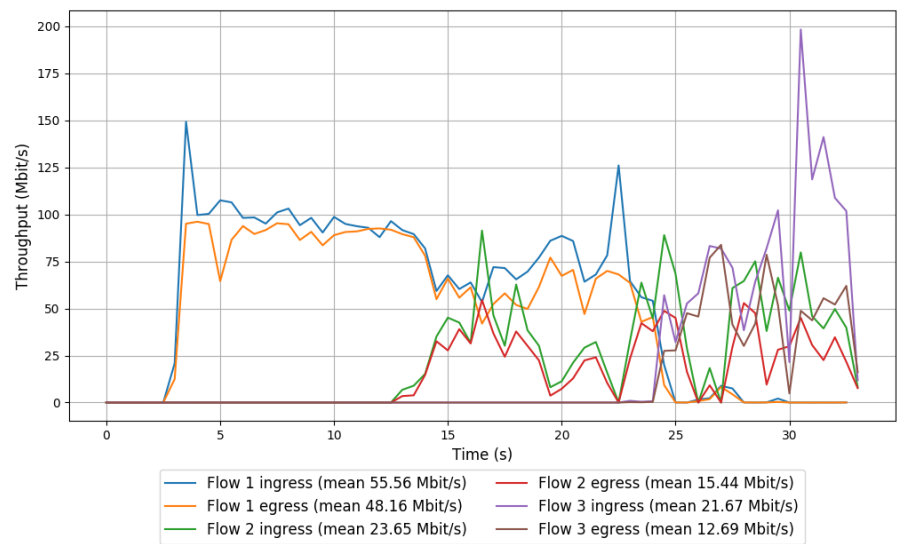
-- Flow 3:

Average throughput: 12.69 Mbit/s

95th percentile per-packet one-way delay: 50.327 ms

Loss rate: 41.37%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sat, 01 Jul 2017 10:58:43 +0000

End at: Sat, 01 Jul 2017 10:59:13 +0000

Local clock offset: -3.371 ms

Remote clock offset: -20.913 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:20:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.62 Mbit/s

95th percentile per-packet one-way delay: 50.326 ms

Loss rate: 25.40%

-- Flow 1:

Average throughput: 52.57 Mbit/s

95th percentile per-packet one-way delay: 49.848 ms

Loss rate: 20.41%

-- Flow 2:

Average throughput: 13.13 Mbit/s

95th percentile per-packet one-way delay: 51.300 ms

Loss rate: 37.05%

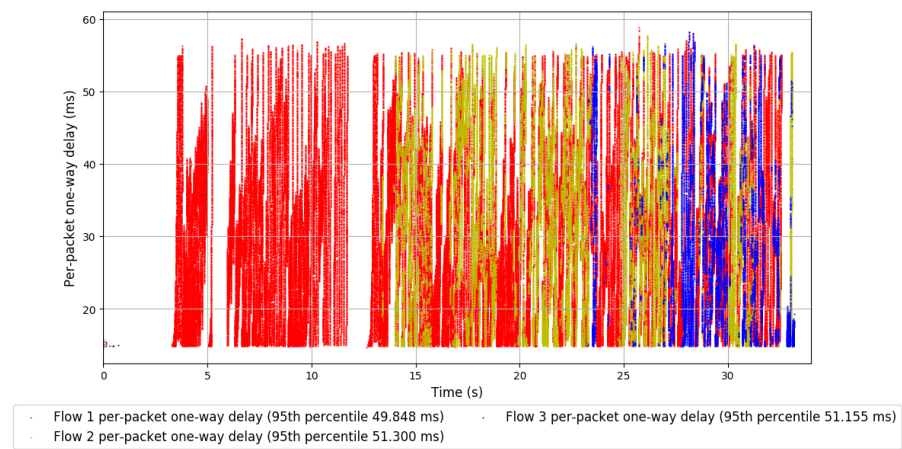
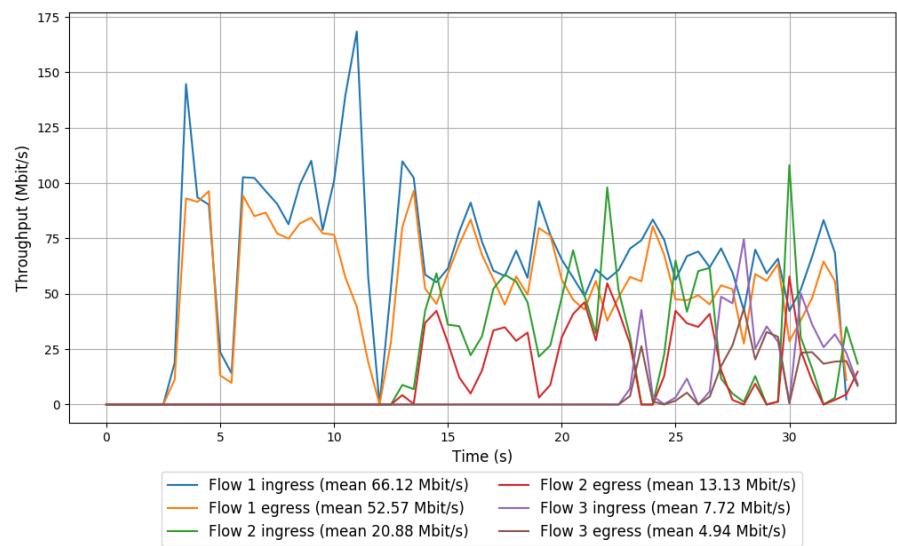
-- Flow 3:

Average throughput: 4.94 Mbit/s

95th percentile per-packet one-way delay: 51.155 ms

Loss rate: 35.96%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sat, 01 Jul 2017 11:17:03 +0000

End at: Sat, 01 Jul 2017 11:17:33 +0000

Local clock offset: 0.004 ms

Remote clock offset: -21.694 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:20:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.52 Mbit/s

95th percentile per-packet one-way delay: 51.136 ms

Loss rate: 31.30%

-- Flow 1:

Average throughput: 39.83 Mbit/s

95th percentile per-packet one-way delay: 50.689 ms

Loss rate: 26.23%

-- Flow 2:

Average throughput: 18.58 Mbit/s

95th percentile per-packet one-way delay: 51.938 ms

Loss rate: 39.03%

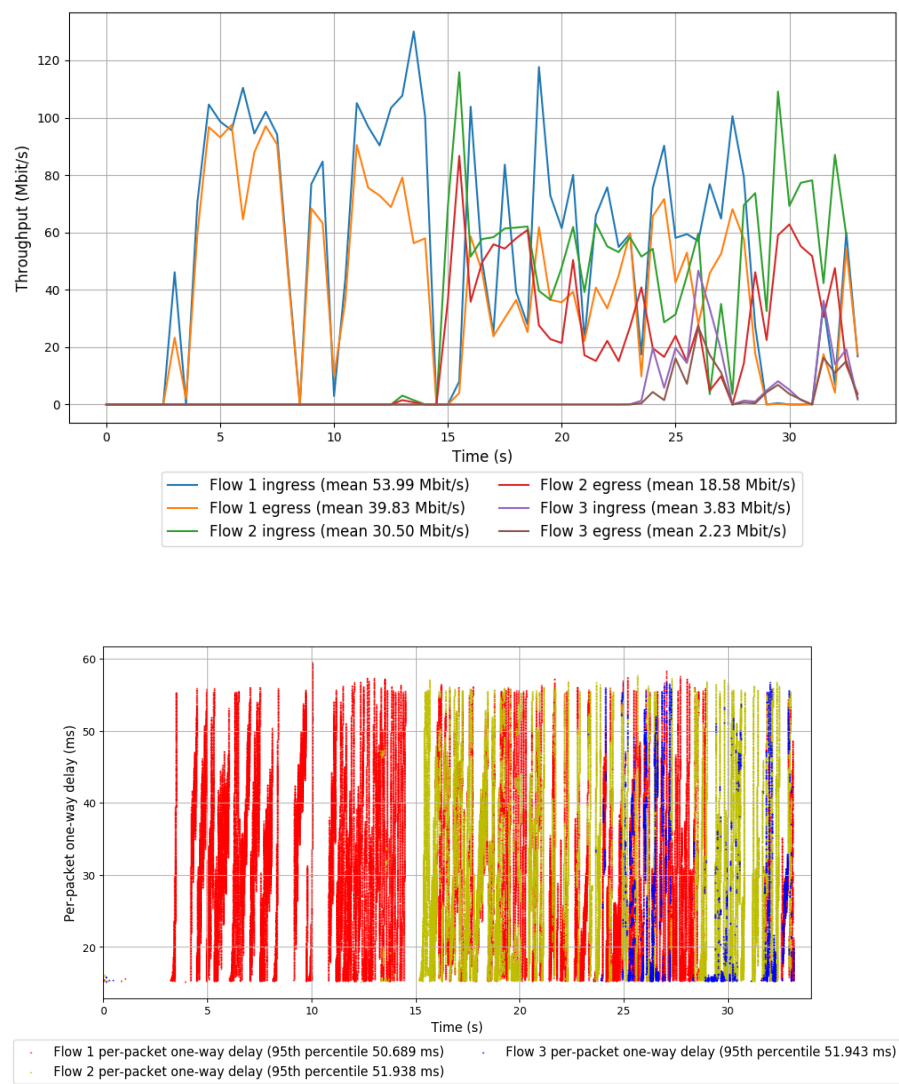
-- Flow 3:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 51.943 ms

Loss rate: 41.70%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sat, 01 Jul 2017 11:35:28 +0000

End at: Sat, 01 Jul 2017 11:35:58 +0000

Local clock offset: -3.674 ms

Remote clock offset: -21.342 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:20:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.49 Mbit/s

95th percentile per-packet one-way delay: 49.176 ms

Loss rate: 30.95%

-- Flow 1:

Average throughput: 47.51 Mbit/s

95th percentile per-packet one-way delay: 48.993 ms

Loss rate: 30.95%

-- Flow 2:

Average throughput: 19.83 Mbit/s

95th percentile per-packet one-way delay: 49.101 ms

Loss rate: 30.27%

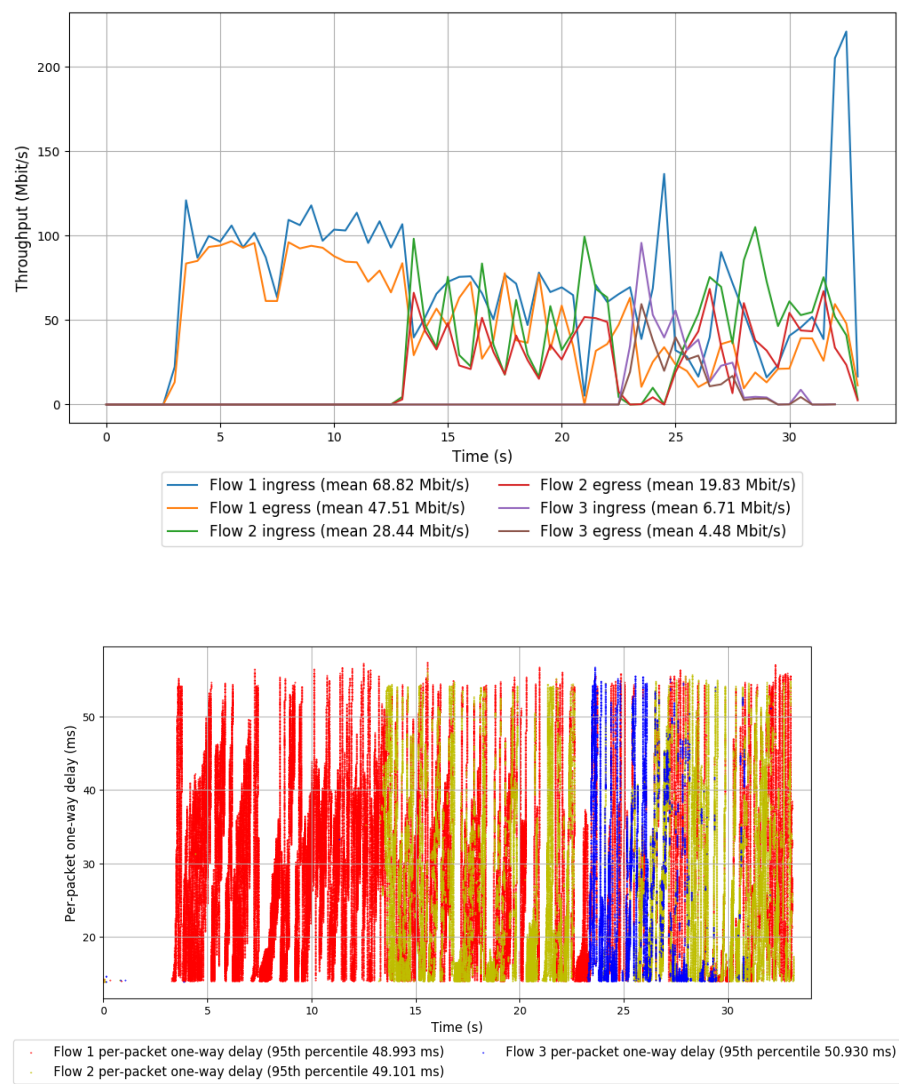
-- Flow 3:

Average throughput: 4.48 Mbit/s

95th percentile per-packet one-way delay: 50.930 ms

Loss rate: 33.89%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

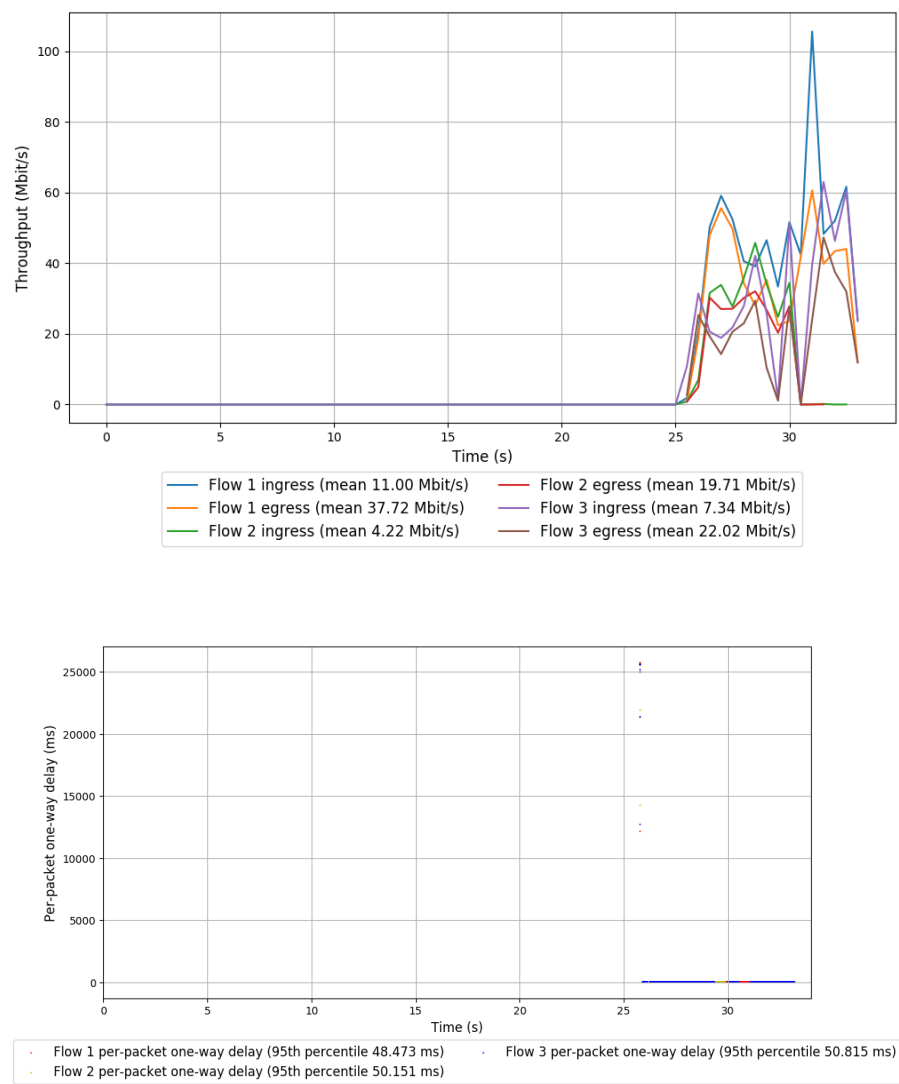
Start at: Sat, 01 Jul 2017 11:53:48 +0000

End at: Sat, 01 Jul 2017 11:54:18 +0000

Local clock offset: 1.526 ms

Remote clock offset: -20.565 ms

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

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

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

Local clock offset: 2.723 ms

Remote clock offset: -20.914 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:20:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 14.831 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 15.181 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 14.770 ms

Loss rate: 0.00%

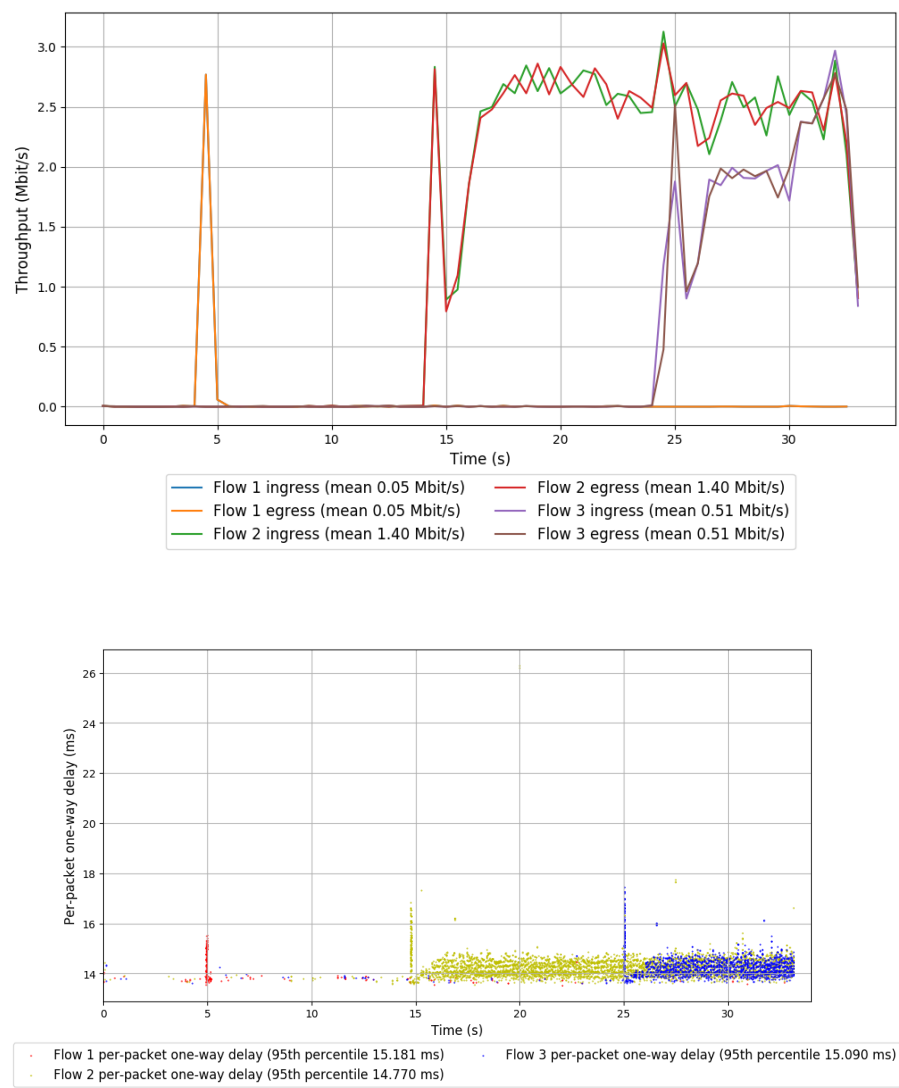
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 15.090 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 09:29:21 +0000

End at: Sat, 01 Jul 2017 09:29:51 +0000

Local clock offset: 0.168 ms

Remote clock offset: -18.73 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.03 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 14.338 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 14.425 ms

Loss rate: 0.00%

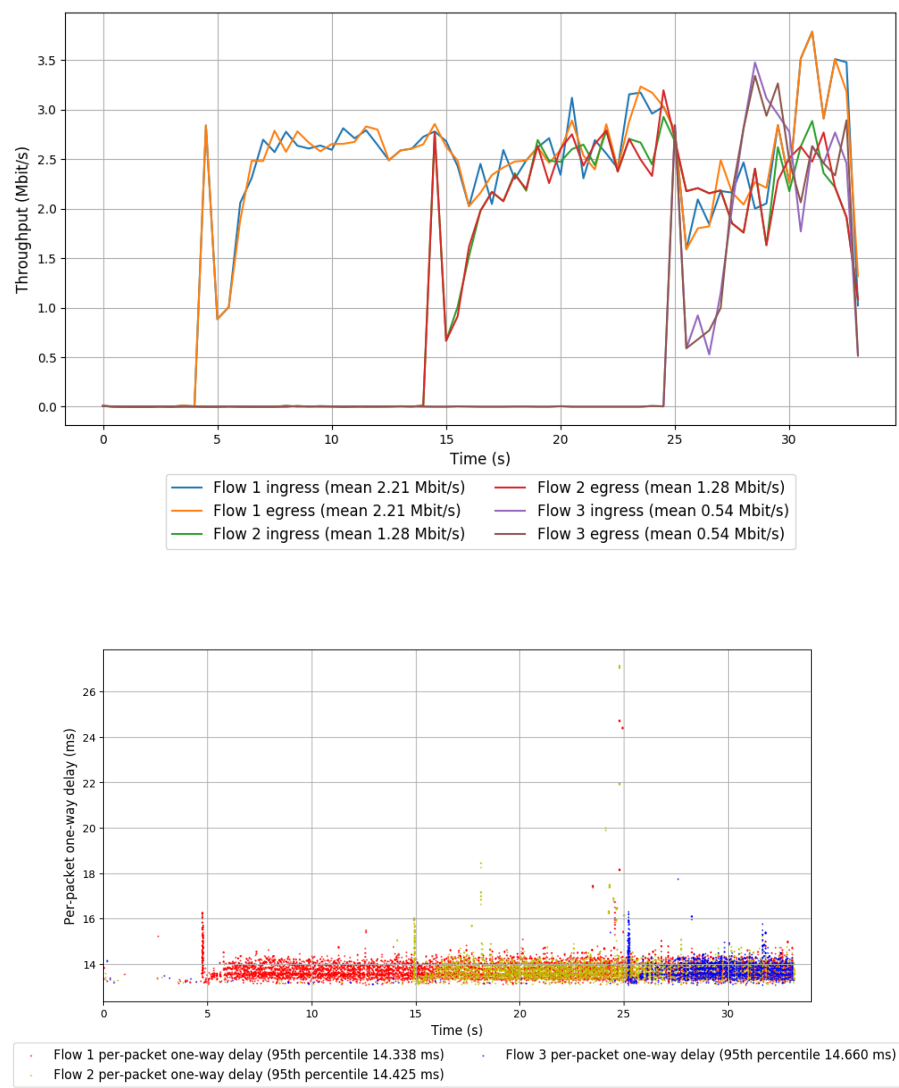
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 14.660 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 09:47:57 +0000

End at: Sat, 01 Jul 2017 09:48:27 +0000

Local clock offset: 0.287 ms

Remote clock offset: -17.83 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.84 Mbit/s

95th percentile per-packet one-way delay: 13.853 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 13.783 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 13.873 ms

Loss rate: 0.00%

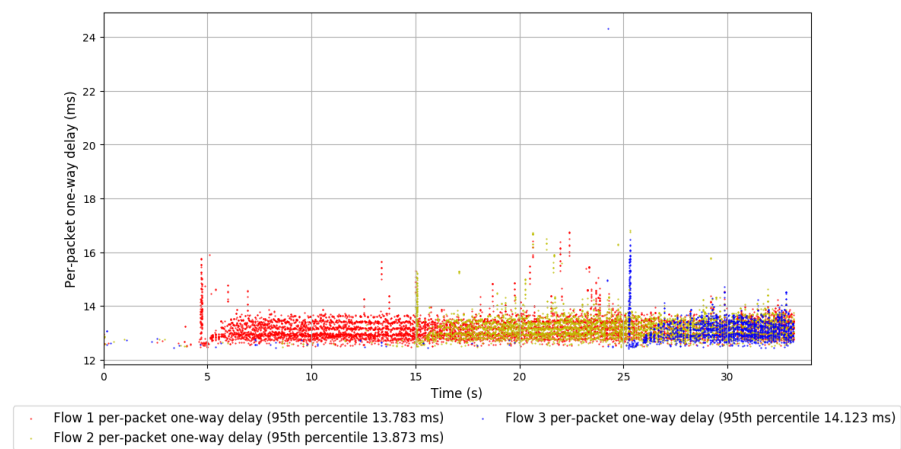
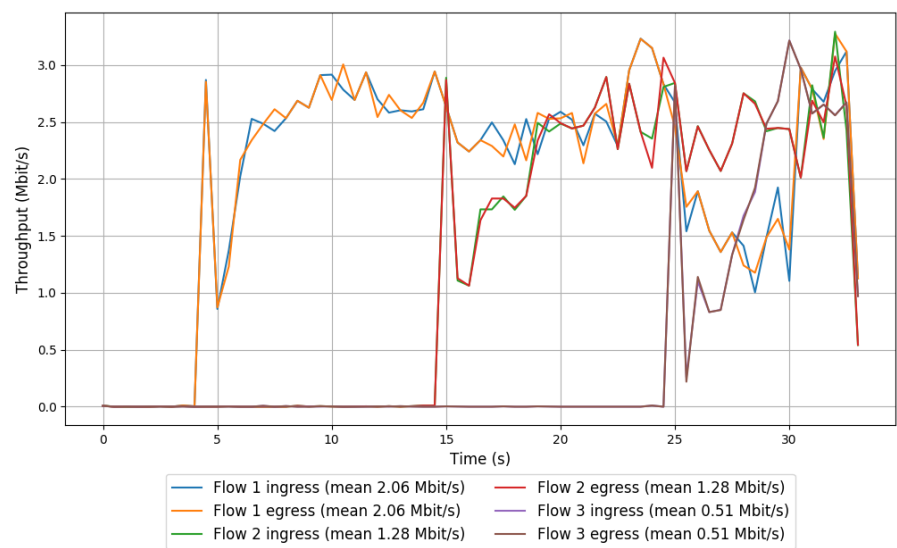
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 14.123 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 10:06:25 +0000

End at: Sat, 01 Jul 2017 10:06:55 +0000

Local clock offset: 1.145 ms

Remote clock offset: -19.049 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.03 Mbit/s

95th percentile per-packet one-way delay: 13.340 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 13.284 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 13.357 ms

Loss rate: 0.00%

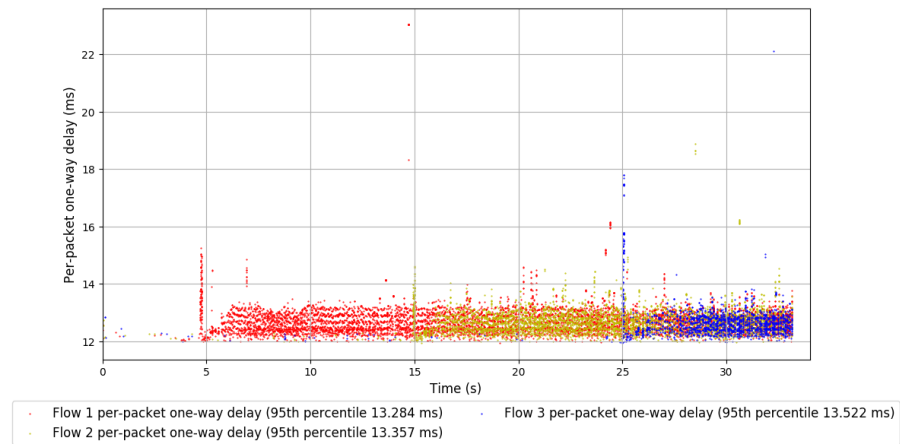
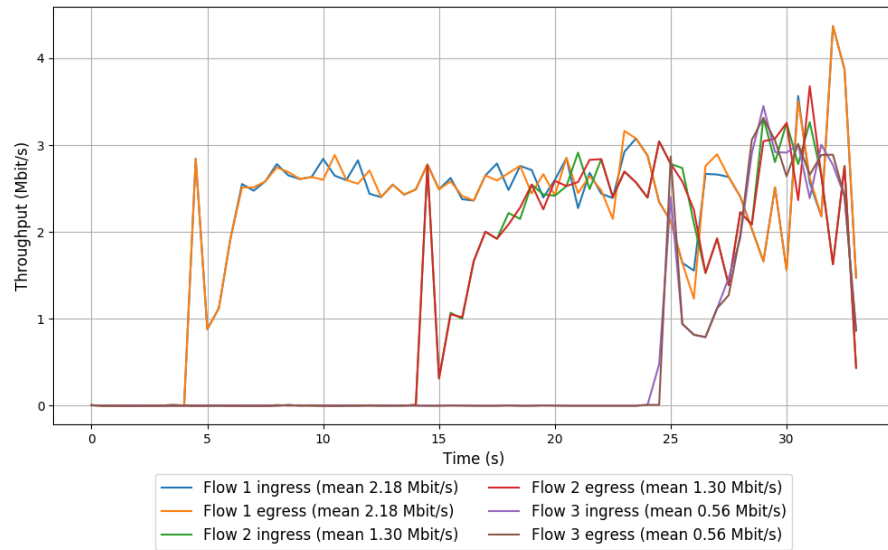
-- Flow 3:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 13.522 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 10:24:41 +0000

End at: Sat, 01 Jul 2017 10:25:11 +0000

Local clock offset: 2.331 ms

Remote clock offset: -18.079 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:20:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 14.236 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 14.203 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 14.299 ms

Loss rate: 0.00%

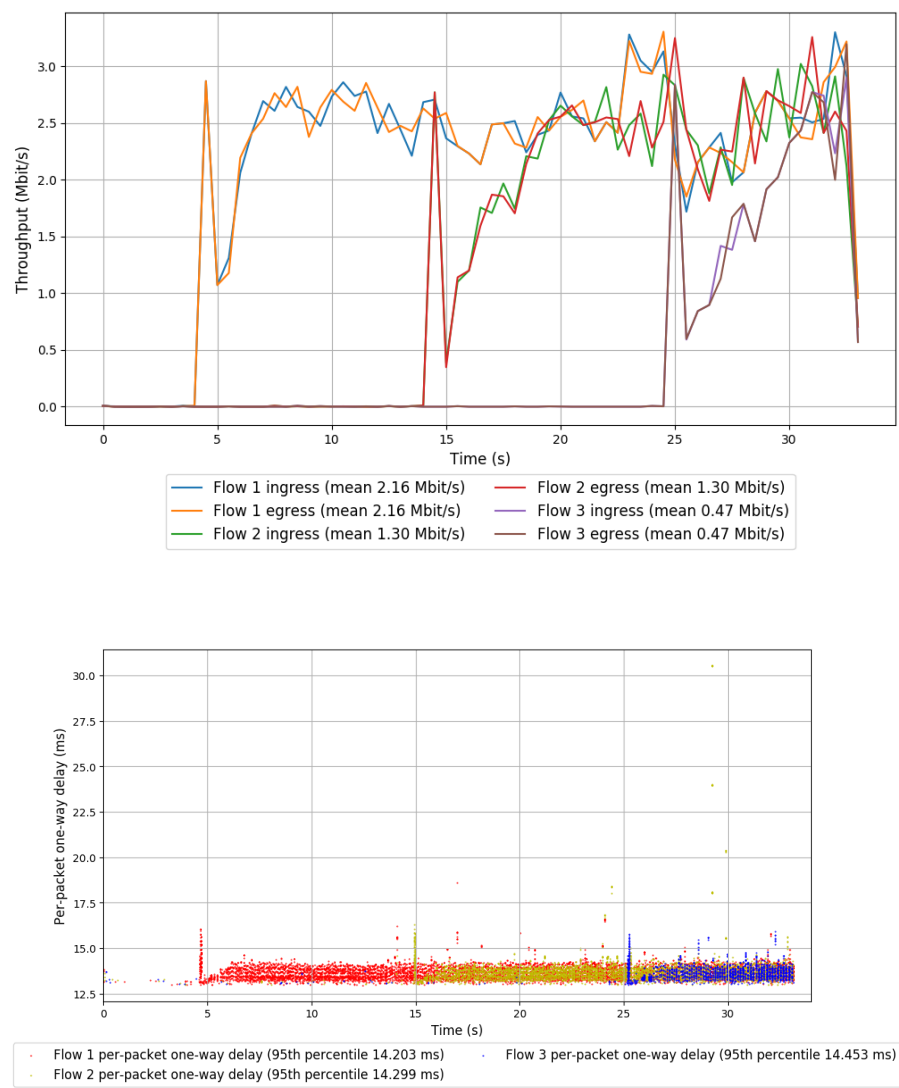
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 14.453 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 10:42:55 +0000

End at: Sat, 01 Jul 2017 10:43:25 +0000

Local clock offset: -5.016 ms

Remote clock offset: -19.83 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:20:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 15.345 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 15.296 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 15.362 ms

Loss rate: 0.00%

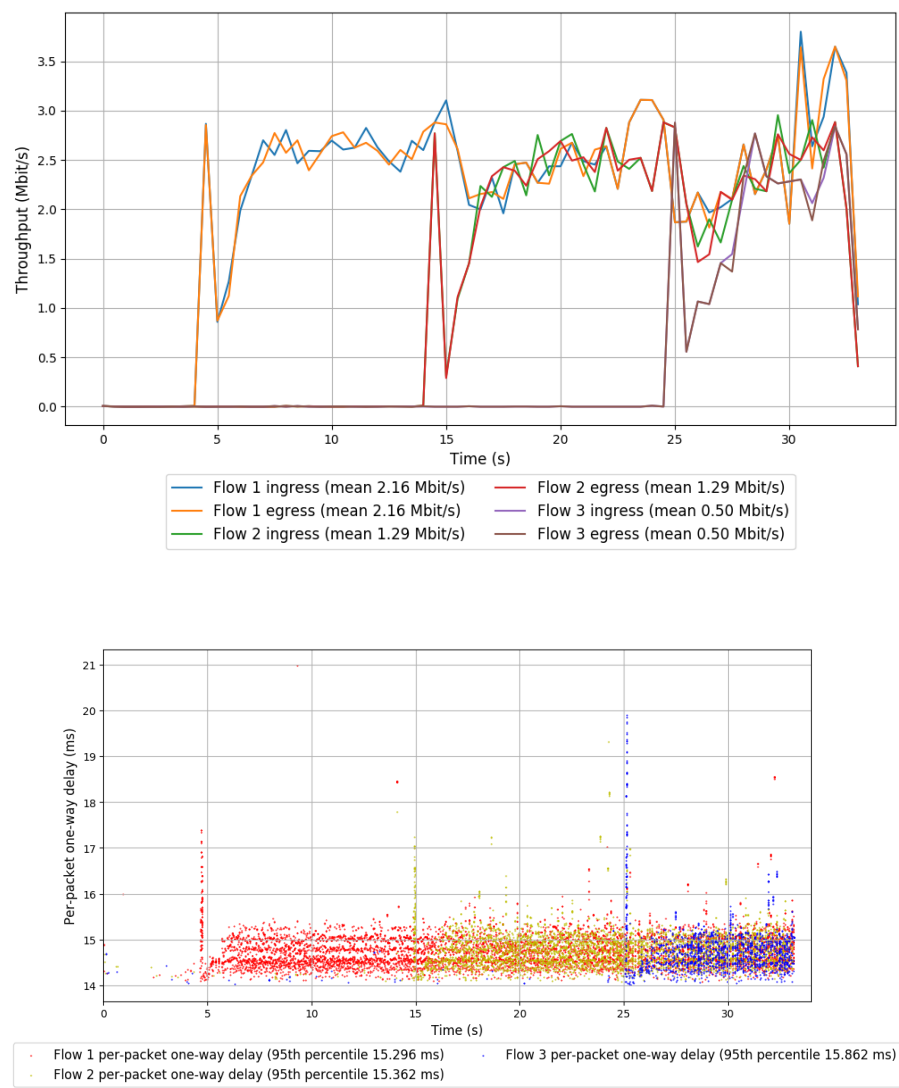
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 15.862 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

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

End at: Sat, 01 Jul 2017 11:01:41 +0000

Local clock offset: -0.061 ms

Remote clock offset: -20.129 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:20:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.01 Mbit/s

95th percentile per-packet one-way delay: 16.018 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 15.888 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: 16.136 ms

Loss rate: 0.00%

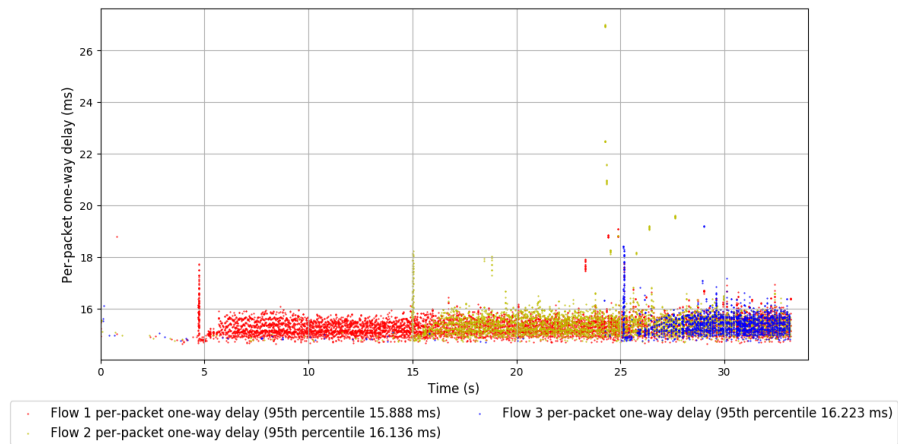
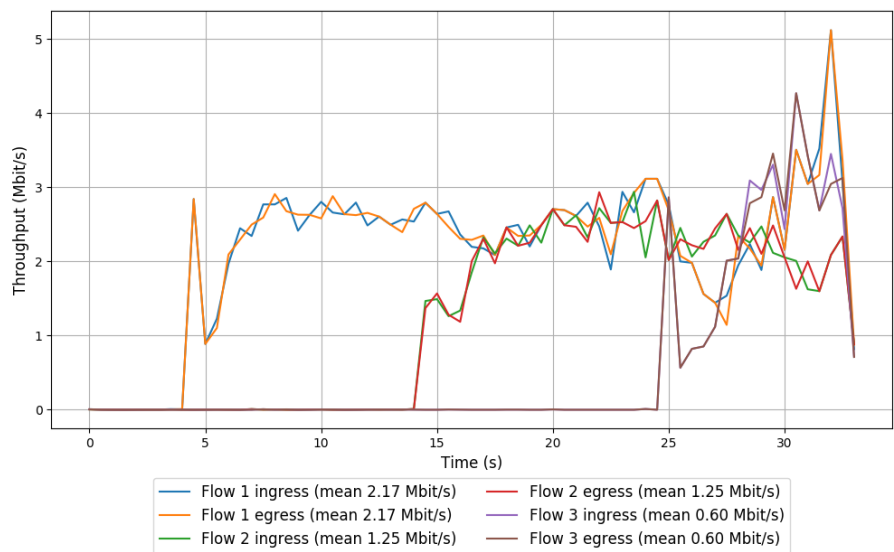
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 16.223 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 11:19:33 +0000

End at: Sat, 01 Jul 2017 11:20:03 +0000

Local clock offset: -1.91 ms

Remote clock offset: -22.025 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:20:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 16.497 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 16.435 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 16.553 ms

Loss rate: 0.00%

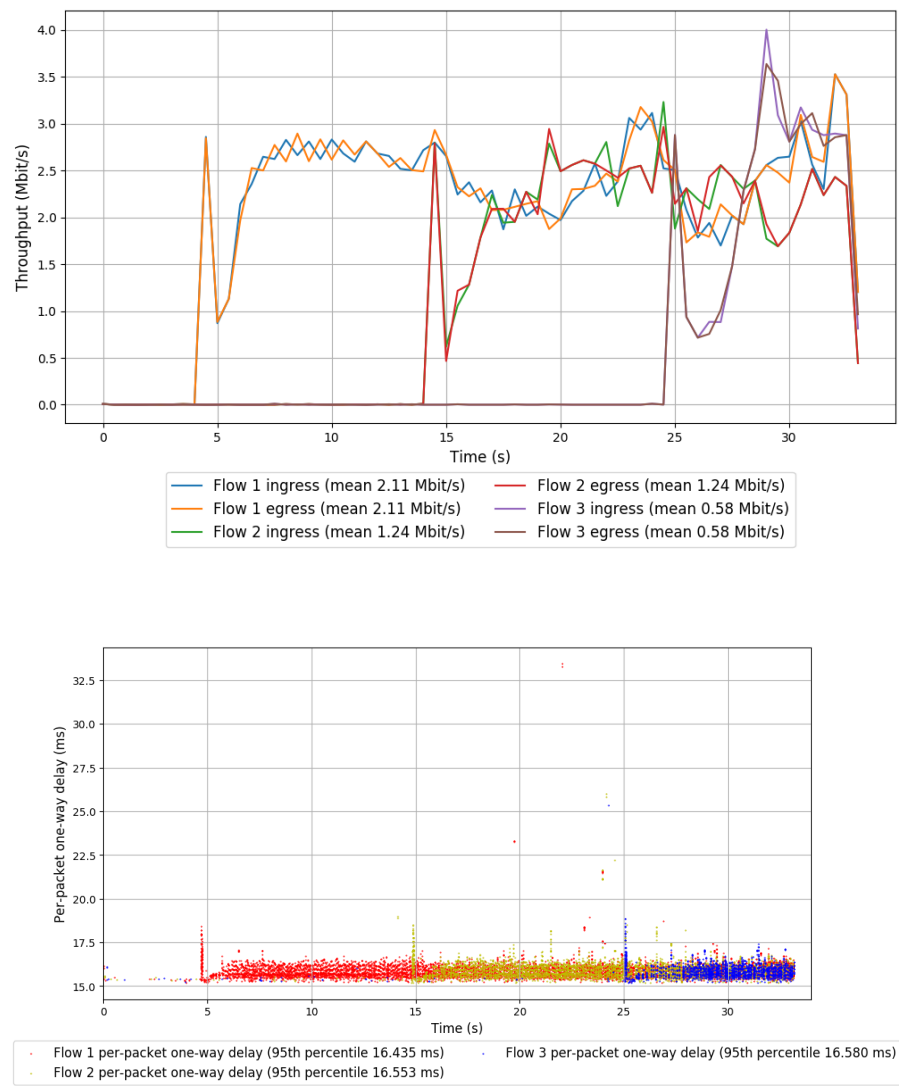
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 16.580 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 11:37:57 +0000

End at: Sat, 01 Jul 2017 11:38:27 +0000

Local clock offset: -3.674 ms

Remote clock offset: -20.54 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:20:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.82 Mbit/s

95th percentile per-packet one-way delay: 15.145 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 15.076 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 15.239 ms

Loss rate: 0.00%

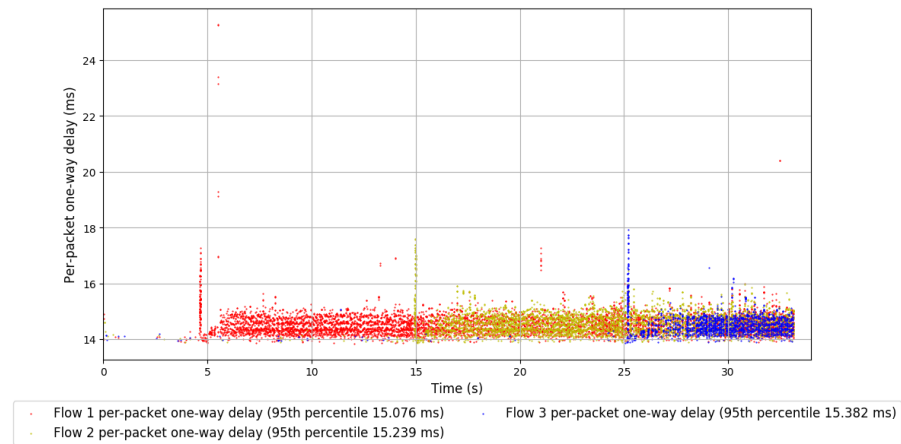
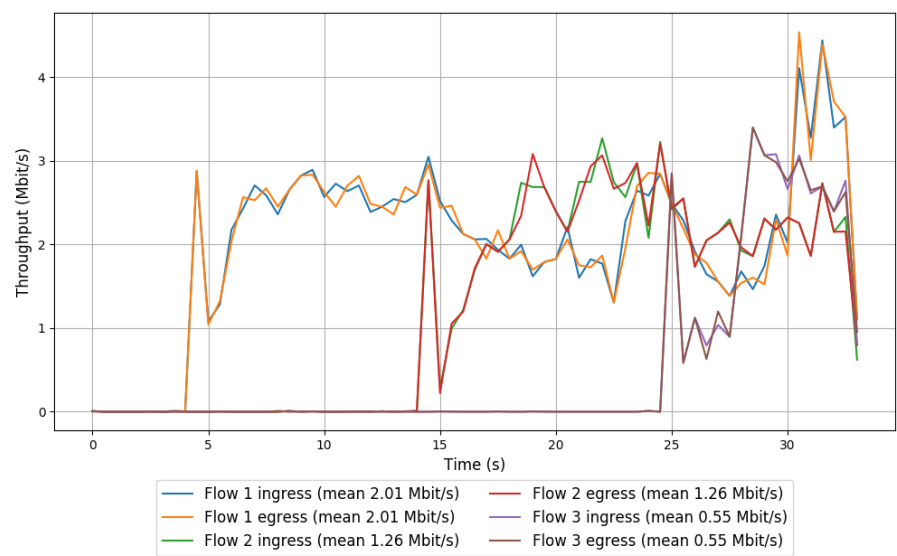
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 15.382 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 11:56:09 +0000

End at: Sat, 01 Jul 2017 11:56:39 +0000

Local clock offset: -0.603 ms

Remote clock offset: -20.503 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:20:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 14.458 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 14.424 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 14.479 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 14.656 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

