

Pantheon Summary (Generated at Wed, 05 Jul 2017 01:43:33 +0000 with pantheon version afeabcbf9f0bccb7f5555428c3b5bcceec857e76)

Repeated the test of 15 congestion control schemes 10 times.

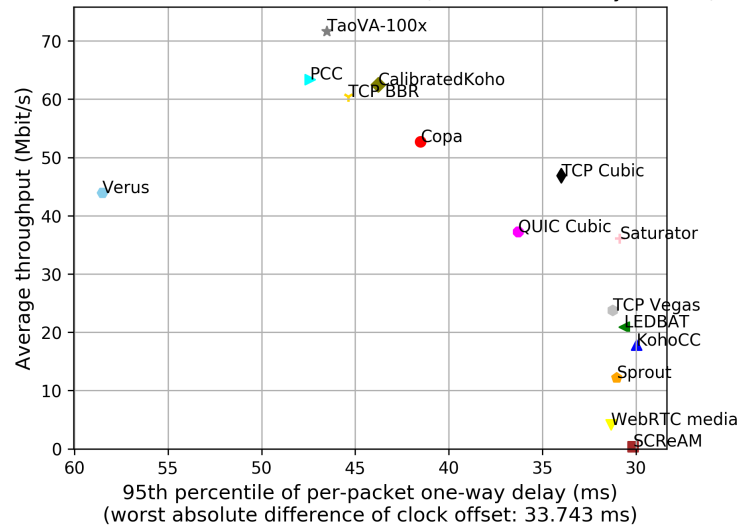
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

Data path **from** Colombia Ethernet **to** AWS Brazil 2 Ethernet.

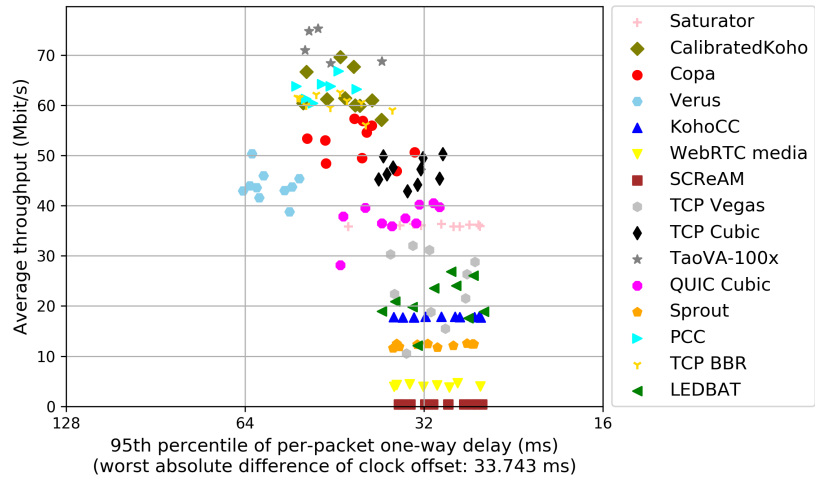
NTP offset measured against gps.ntp.br.

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

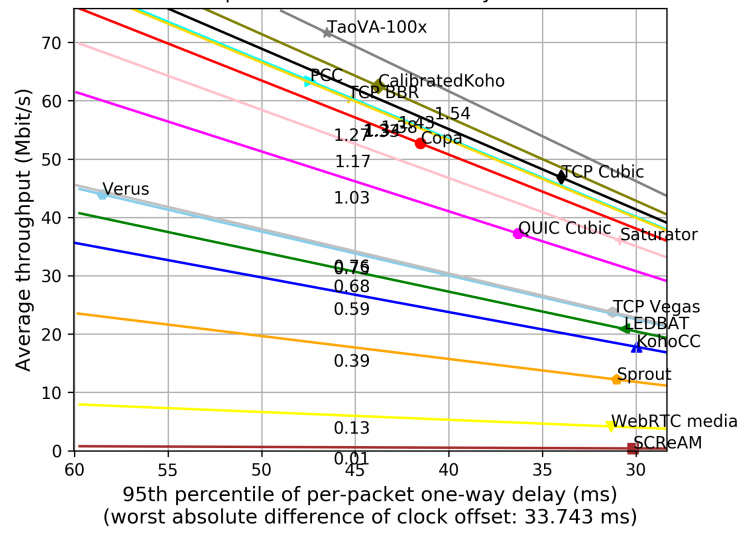
test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows



test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme
 3 flows with 10s interval between flows
 mean power scores of all runs by scheme



Run 1: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 21:46:43 +0000

End at: Tue, 04 Jul 2017 21:47:13 +0000

Local clock offset: 0.284 ms

Remote clock offset: -23.522 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.51 Mbit/s

95th percentile per-packet one-way delay: 51.794 ms

Loss rate: 10.73%

-- Flow 1:

Average throughput: 40.24 Mbit/s

95th percentile per-packet one-way delay: 51.699 ms

Loss rate: 9.90%

-- Flow 2:

Average throughput: 17.08 Mbit/s

95th percentile per-packet one-way delay: 51.942 ms

Loss rate: 12.12%

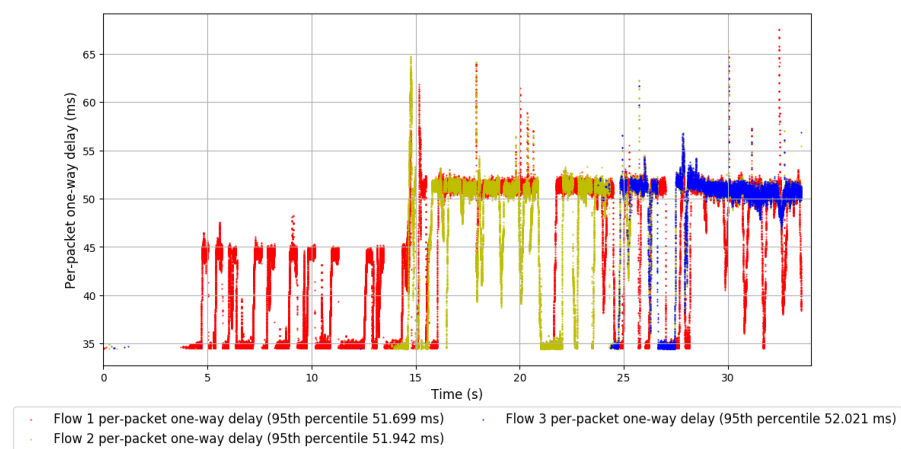
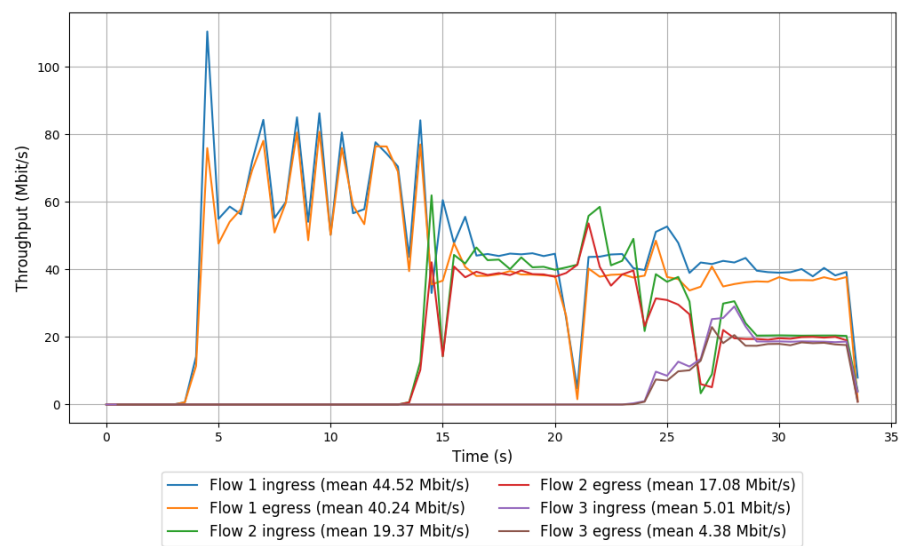
-- Flow 3:

Average throughput: 4.38 Mbit/s

95th percentile per-packet one-way delay: 52.021 ms

Loss rate: 12.74%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 22:05:08 +0000

End at: Tue, 04 Jul 2017 22:05:38 +0000

Local clock offset: 0.343 ms

Remote clock offset: -22.614 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.63 Mbit/s

95th percentile per-packet one-way delay: 52.226 ms

Loss rate: 10.26%

-- Flow 1:

Average throughput: 40.50 Mbit/s

95th percentile per-packet one-way delay: 52.055 ms

Loss rate: 7.29%

-- Flow 2:

Average throughput: 18.30 Mbit/s

95th percentile per-packet one-way delay: 52.439 ms

Loss rate: 15.18%

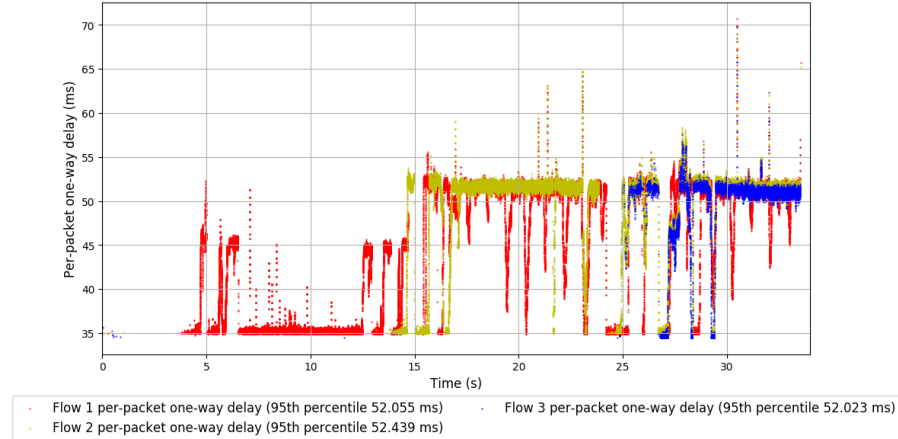
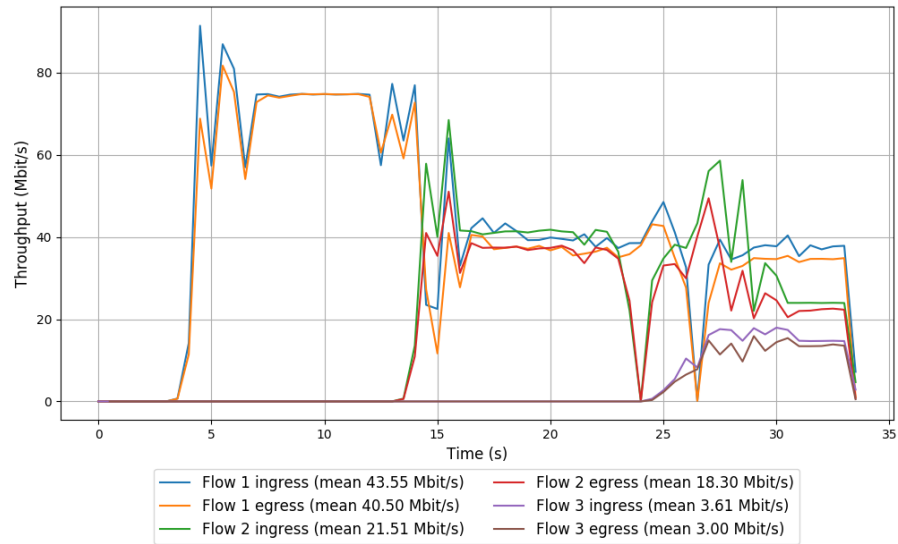
-- Flow 3:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 52.023 ms

Loss rate: 17.19%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 22:23:43 +0000

End at: Tue, 04 Jul 2017 22:24:13 +0000

Local clock offset: 0.303 ms

Remote clock offset: -24.216 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.03 Mbit/s

95th percentile per-packet one-way delay: 50.555 ms

Loss rate: 13.87%

-- Flow 1:

Average throughput: 35.30 Mbit/s

95th percentile per-packet one-way delay: 50.375 ms

Loss rate: 12.81%

-- Flow 2:

Average throughput: 14.34 Mbit/s

95th percentile per-packet one-way delay: 50.735 ms

Loss rate: 16.45%

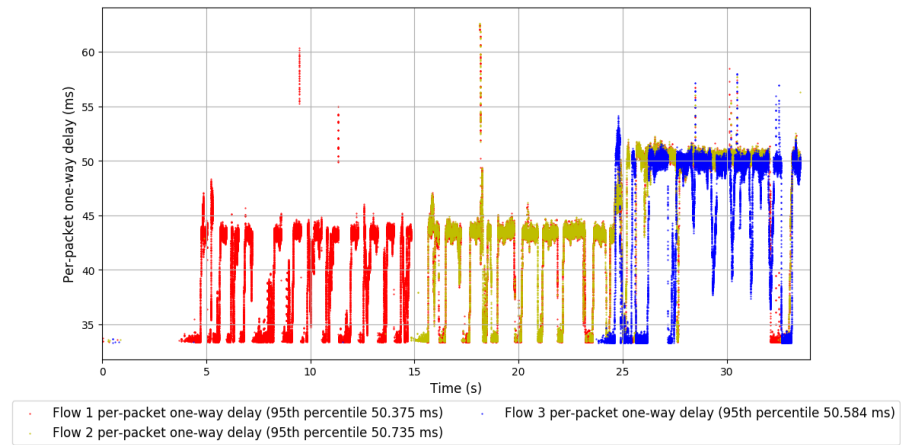
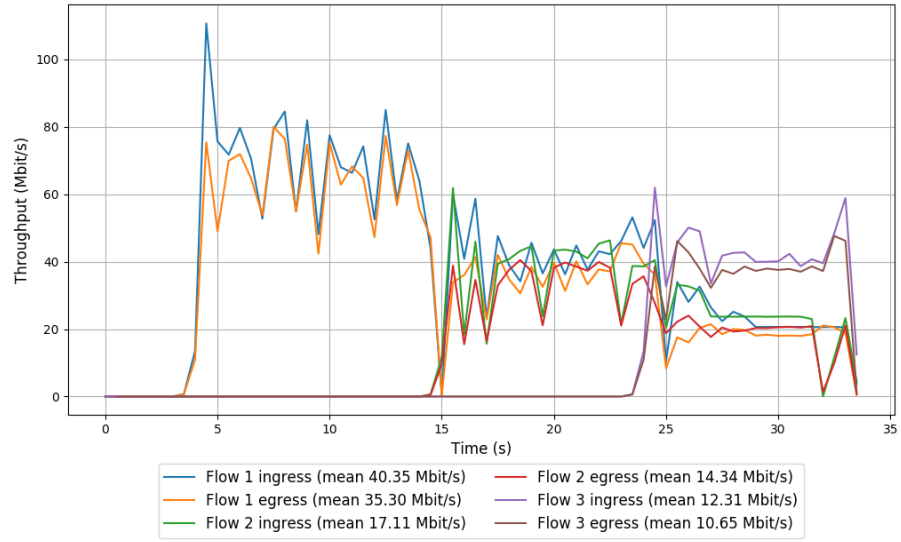
-- Flow 3:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 50.584 ms

Loss rate: 13.76%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 22:42:10 +0000

End at: Tue, 04 Jul 2017 22:42:40 +0000

Local clock offset: 0.297 ms

Remote clock offset: -26.203 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.17 Mbit/s

95th percentile per-packet one-way delay: 48.623 ms

Loss rate: 13.32%

-- Flow 1:

Average throughput: 35.18 Mbit/s

95th percentile per-packet one-way delay: 48.131 ms

Loss rate: 11.45%

-- Flow 2:

Average throughput: 16.91 Mbit/s

95th percentile per-packet one-way delay: 48.753 ms

Loss rate: 18.61%

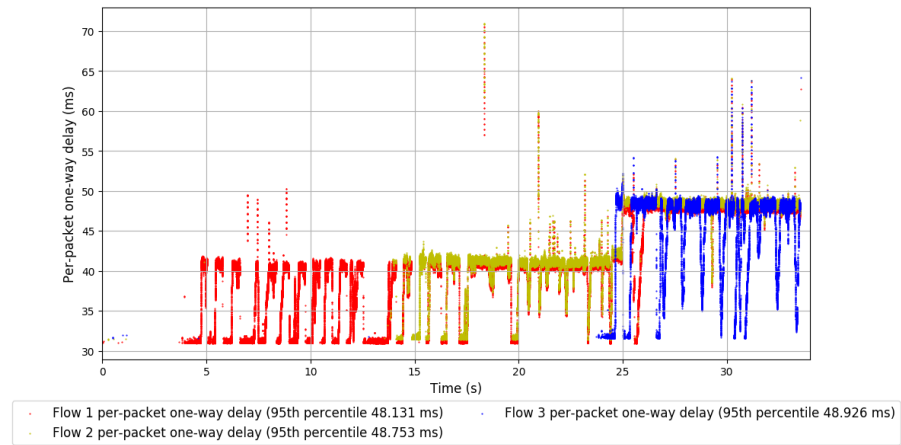
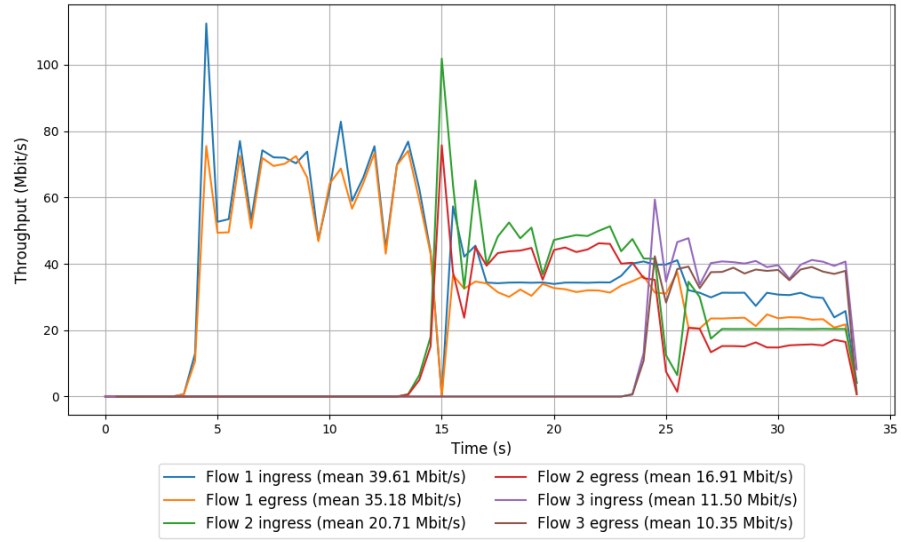
-- Flow 3:

Average throughput: 10.35 Mbit/s

95th percentile per-packet one-way delay: 48.926 ms

Loss rate: 10.29%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:00:38 +0000

End at: Tue, 04 Jul 2017 23:01:08 +0000

Local clock offset: 0.3 ms

Remote clock offset: -27.958 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.52 Mbit/s

95th percentile per-packet one-way delay: 40.821 ms

Loss rate: 9.48%

-- Flow 1:

Average throughput: 38.89 Mbit/s

95th percentile per-packet one-way delay: 40.559 ms

Loss rate: 8.52%

-- Flow 2:

Average throughput: 18.29 Mbit/s

95th percentile per-packet one-way delay: 41.085 ms

Loss rate: 10.36%

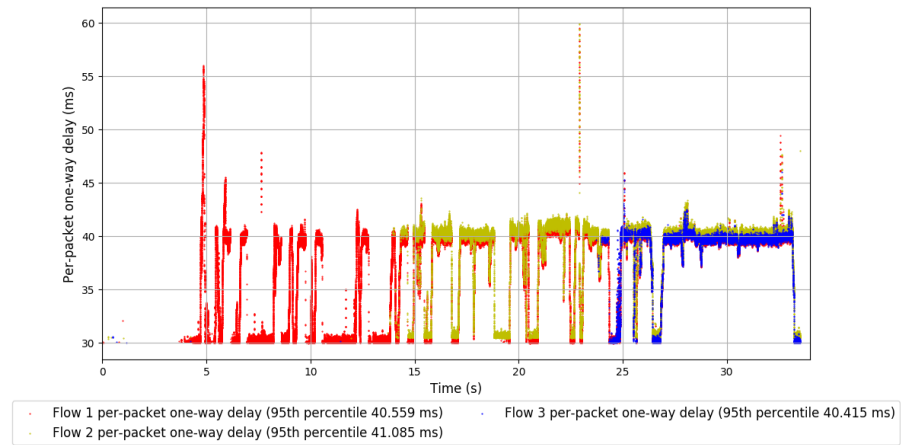
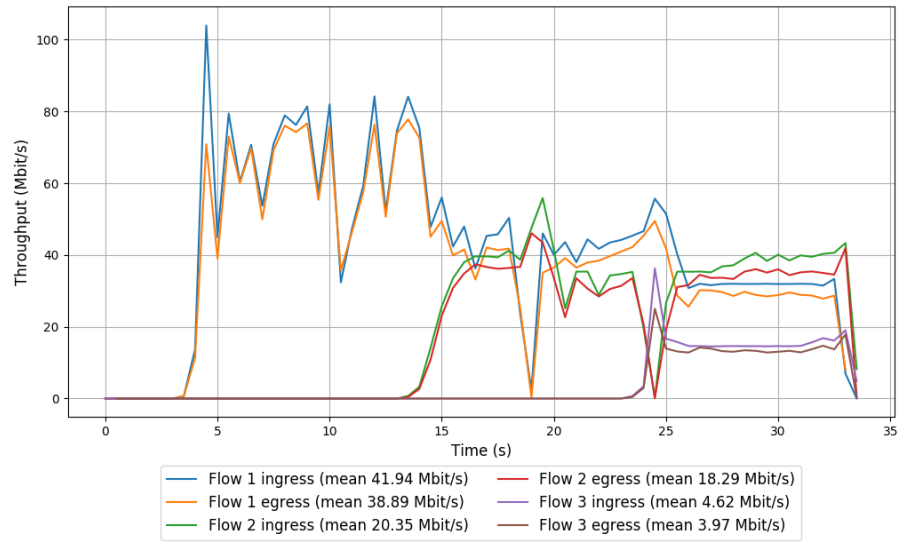
-- Flow 3:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 40.415 ms

Loss rate: 14.42%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:19:14 +0000

End at: Tue, 04 Jul 2017 23:19:44 +0000

Local clock offset: 0.322 ms

Remote clock offset: -29.289 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.56 Mbit/s

95th percentile per-packet one-way delay: 45.997 ms

Loss rate: 13.51%

-- Flow 1:

Average throughput: 36.34 Mbit/s

95th percentile per-packet one-way delay: 45.687 ms

Loss rate: 12.47%

-- Flow 2:

Average throughput: 13.48 Mbit/s

95th percentile per-packet one-way delay: 45.541 ms

Loss rate: 17.44%

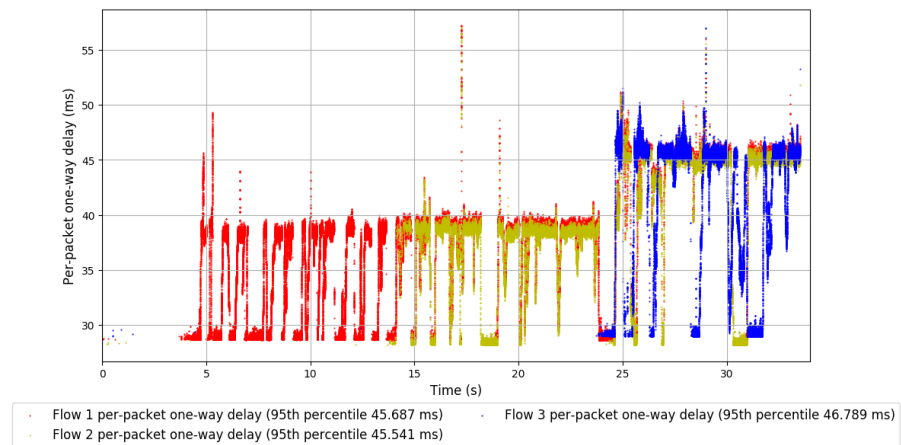
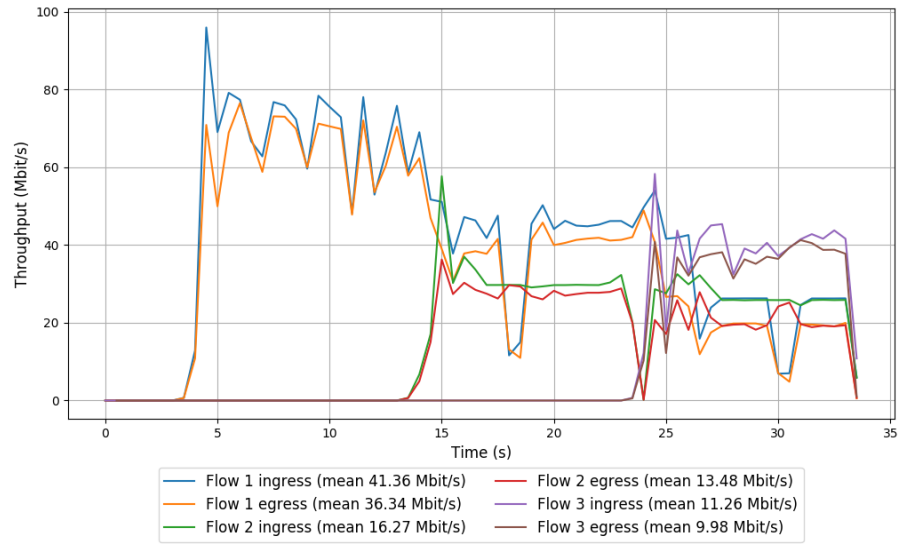
-- Flow 3:

Average throughput: 9.98 Mbit/s

95th percentile per-packet one-way delay: 46.789 ms

Loss rate: 11.68%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:37:49 +0000

End at: Tue, 04 Jul 2017 23:38:19 +0000

Local clock offset: 0.322 ms

Remote clock offset: -30.826 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.58 Mbit/s

95th percentile per-packet one-way delay: 44.312 ms

Loss rate: 10.54%

-- Flow 1:

Average throughput: 40.64 Mbit/s

95th percentile per-packet one-way delay: 44.295 ms

Loss rate: 8.31%

-- Flow 2:

Average throughput: 20.40 Mbit/s

95th percentile per-packet one-way delay: 44.276 ms

Loss rate: 14.16%

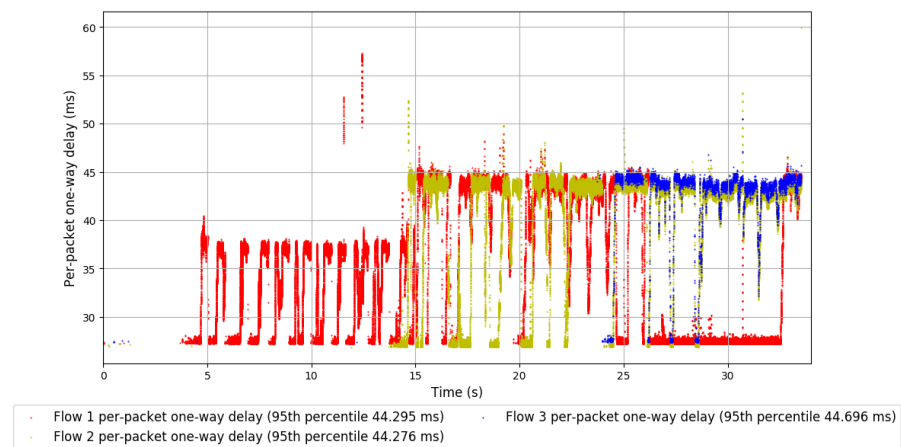
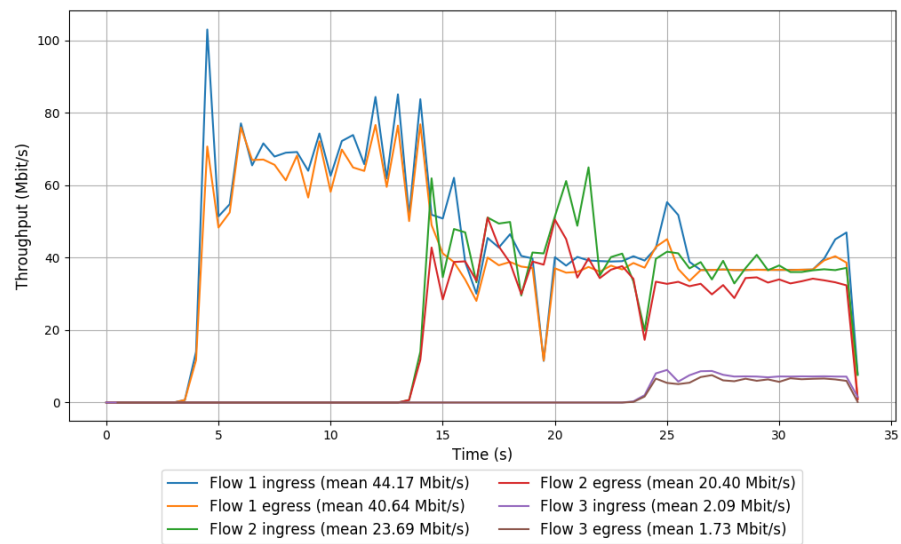
-- Flow 3:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 44.696 ms

Loss rate: 17.13%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:56:15 +0000

End at: Tue, 04 Jul 2017 23:56:45 +0000

Local clock offset: 0.31 ms

Remote clock offset: -31.824 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.94 Mbit/s

95th percentile per-packet one-way delay: 43.136 ms

Loss rate: 12.07%

-- Flow 1:

Average throughput: 35.55 Mbit/s

95th percentile per-packet one-way delay: 42.384 ms

Loss rate: 10.85%

-- Flow 2:

Average throughput: 20.65 Mbit/s

95th percentile per-packet one-way delay: 43.384 ms

Loss rate: 11.15%

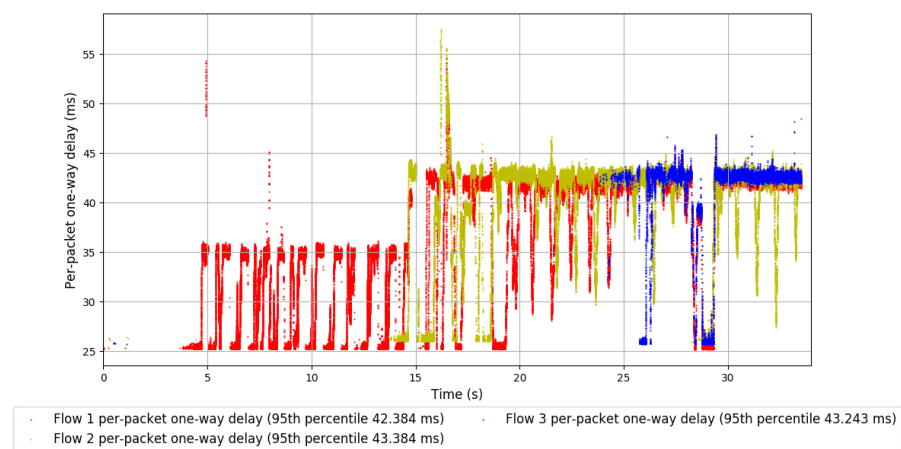
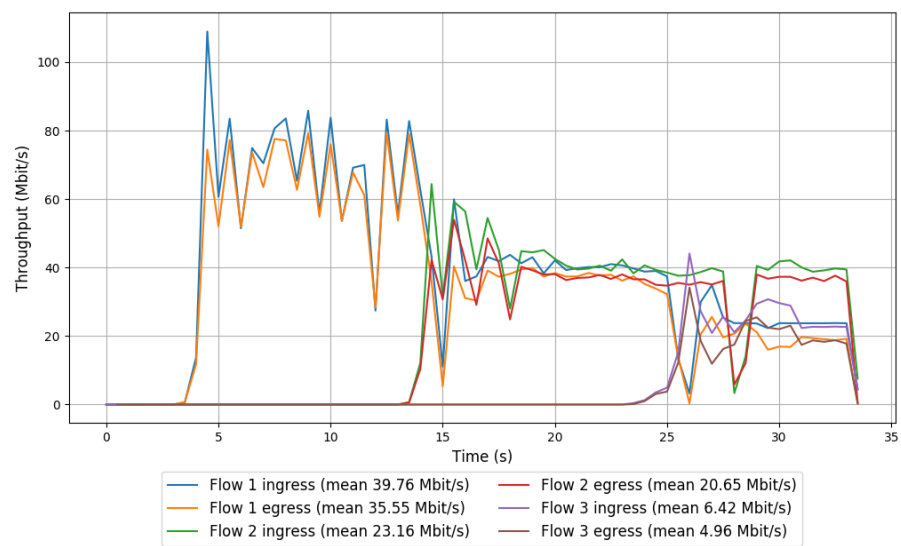
-- Flow 3:

Average throughput: 4.96 Mbit/s

95th percentile per-packet one-way delay: 43.243 ms

Loss rate: 23.03%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

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

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

Local clock offset: 0.331 ms

Remote clock offset: -33.212 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.10 Mbit/s

95th percentile per-packet one-way delay: 40.135 ms

Loss rate: 9.68%

-- Flow 1:

Average throughput: 39.81 Mbit/s

95th percentile per-packet one-way delay: 39.779 ms

Loss rate: 9.69%

-- Flow 2:

Average throughput: 7.49 Mbit/s

95th percentile per-packet one-way delay: 40.885 ms

Loss rate: 10.09%

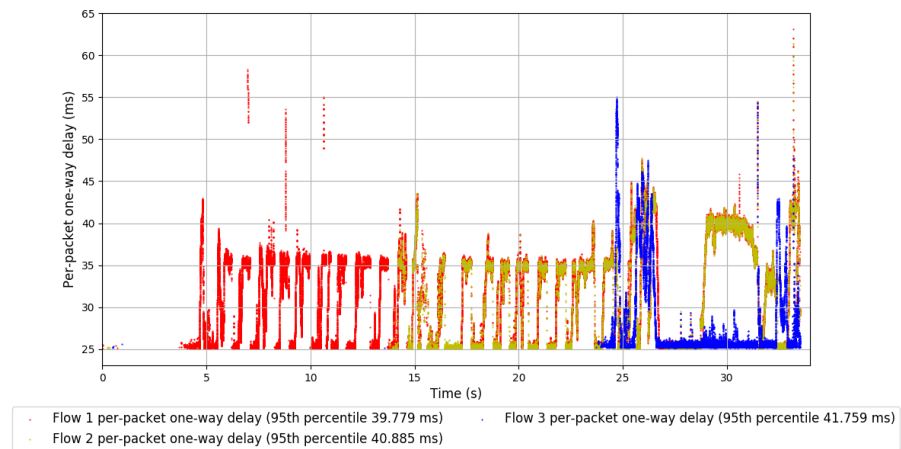
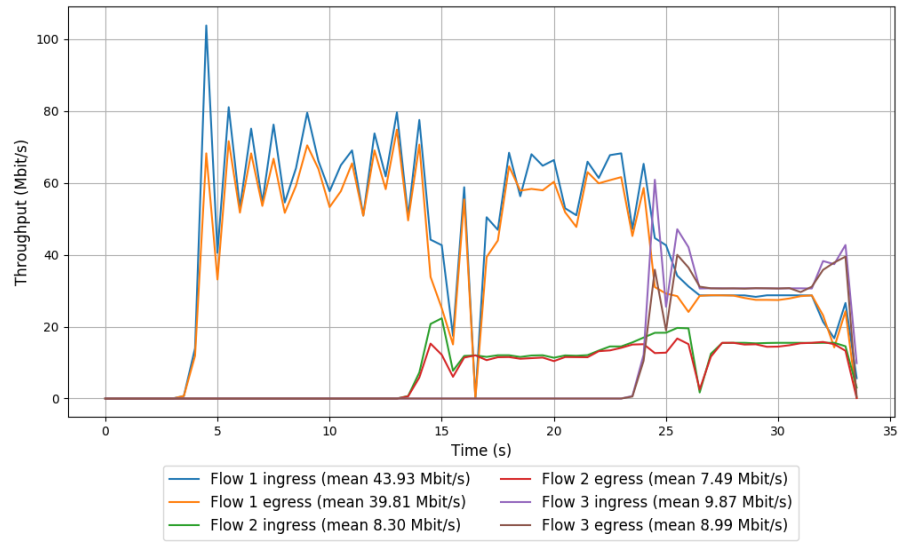
-- Flow 3:

Average throughput: 8.99 Mbit/s

95th percentile per-packet one-way delay: 41.759 ms

Loss rate: 9.31%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 00:33:04 +0000

End at: Wed, 05 Jul 2017 00:33:34 +0000

Local clock offset: 0.319 ms

Remote clock offset: -33.165 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.05 Mbit/s

95th percentile per-packet one-way delay: 36.193 ms

Loss rate: 13.18%

-- Flow 1:

Average throughput: 37.13 Mbit/s

95th percentile per-packet one-way delay: 36.135 ms

Loss rate: 11.17%

-- Flow 2:

Average throughput: 16.72 Mbit/s

95th percentile per-packet one-way delay: 35.928 ms

Loss rate: 15.65%

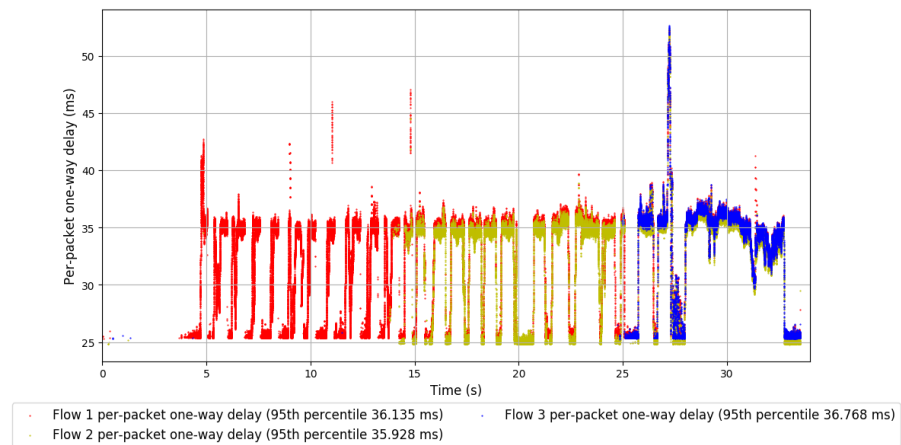
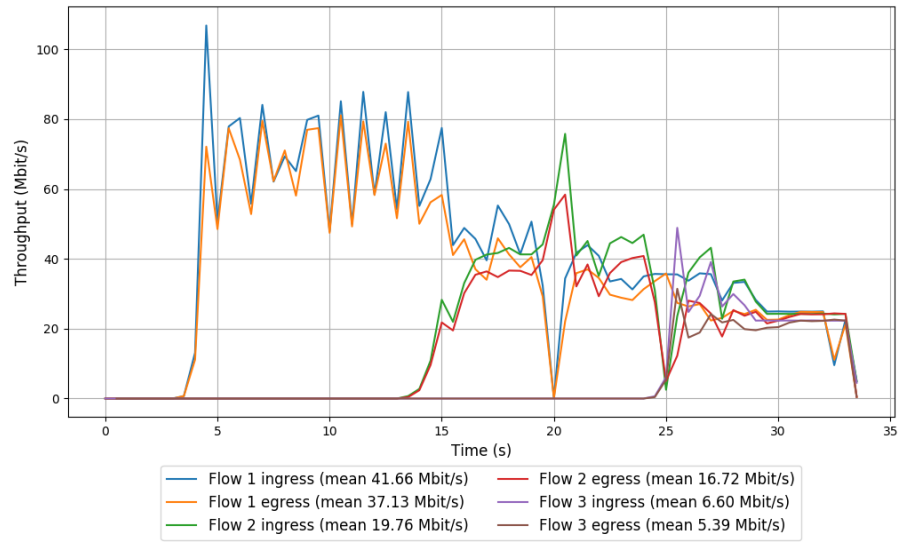
-- Flow 3:

Average throughput: 5.39 Mbit/s

95th percentile per-packet one-way delay: 36.768 ms

Loss rate: 18.59%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 21:57:38 +0000

End at: Tue, 04 Jul 2017 21:58:08 +0000

Local clock offset: 0.347 ms

Remote clock offset: -22.808 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.42 Mbit/s

95th percentile per-packet one-way delay: 51.132 ms

Loss rate: 2.80%

-- Flow 1:

Average throughput: 40.01 Mbit/s

95th percentile per-packet one-way delay: 50.986 ms

Loss rate: 2.61%

-- Flow 2:

Average throughput: 19.78 Mbit/s

95th percentile per-packet one-way delay: 51.223 ms

Loss rate: 3.18%

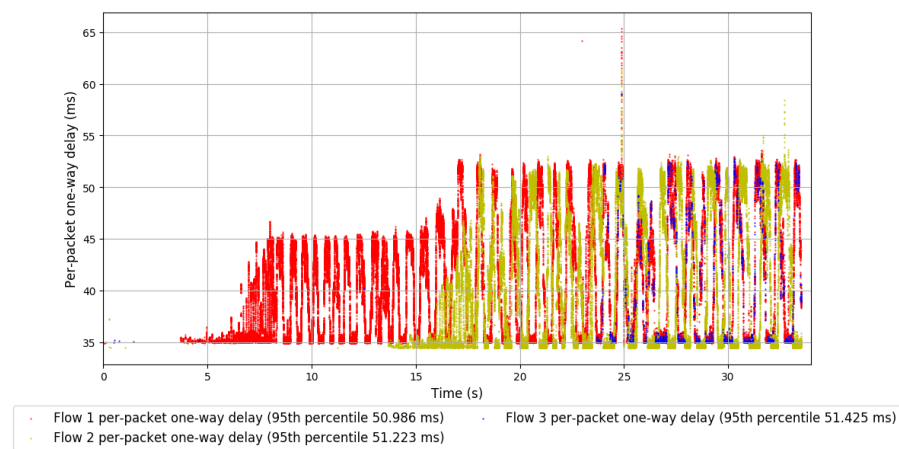
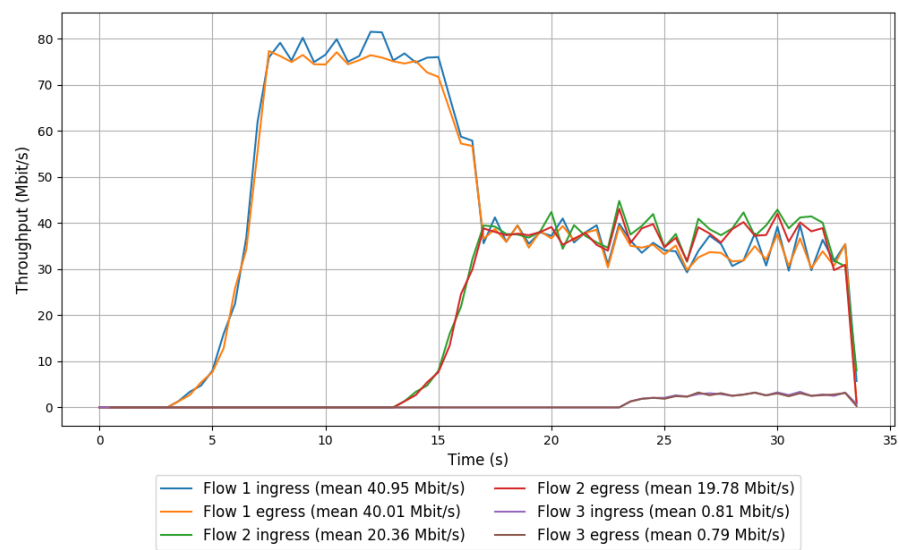
-- Flow 3:

Average throughput: 0.79 Mbit/s

95th percentile per-packet one-way delay: 51.425 ms

Loss rate: 2.91%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

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

End at: Tue, 04 Jul 2017 22:16:46 +0000

Local clock offset: 0.322 ms

Remote clock offset: -24.122 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.70 Mbit/s

95th percentile per-packet one-way delay: 50.482 ms

Loss rate: 6.05%

-- Flow 1:

Average throughput: 41.78 Mbit/s

95th percentile per-packet one-way delay: 50.447 ms

Loss rate: 6.02%

-- Flow 2:

Average throughput: 24.09 Mbit/s

95th percentile per-packet one-way delay: 50.533 ms

Loss rate: 5.94%

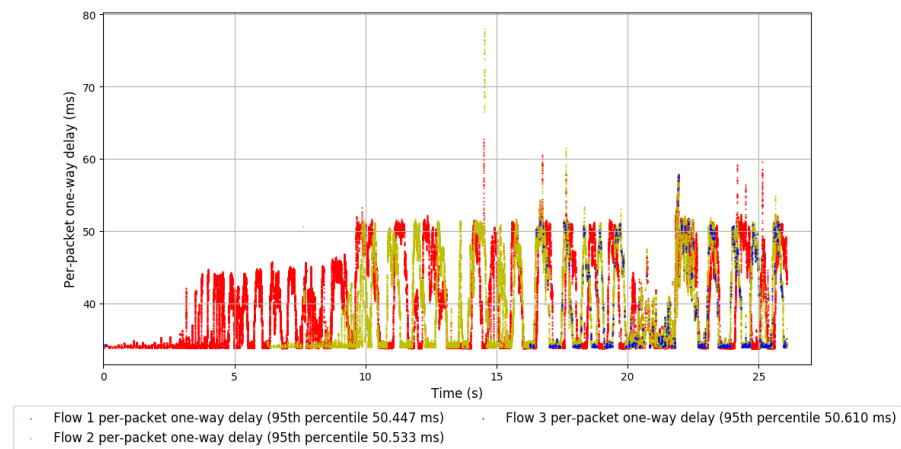
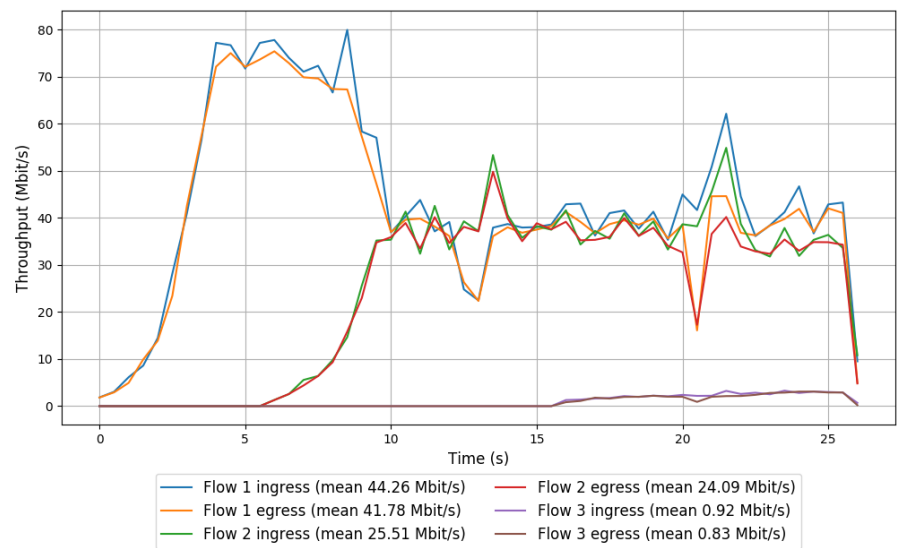
-- Flow 3:

Average throughput: 0.83 Mbit/s

95th percentile per-packet one-way delay: 50.610 ms

Loss rate: 10.84%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:34:48 +0000

End at: Tue, 04 Jul 2017 22:35:18 +0000

Local clock offset: 0.285 ms

Remote clock offset: -25.491 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.68 Mbit/s

95th percentile per-packet one-way delay: 42.044 ms

Loss rate: 3.53%

-- Flow 1:

Average throughput: 65.82 Mbit/s

95th percentile per-packet one-way delay: 42.045 ms

Loss rate: 3.49%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 42.038 ms

Loss rate: 5.43%

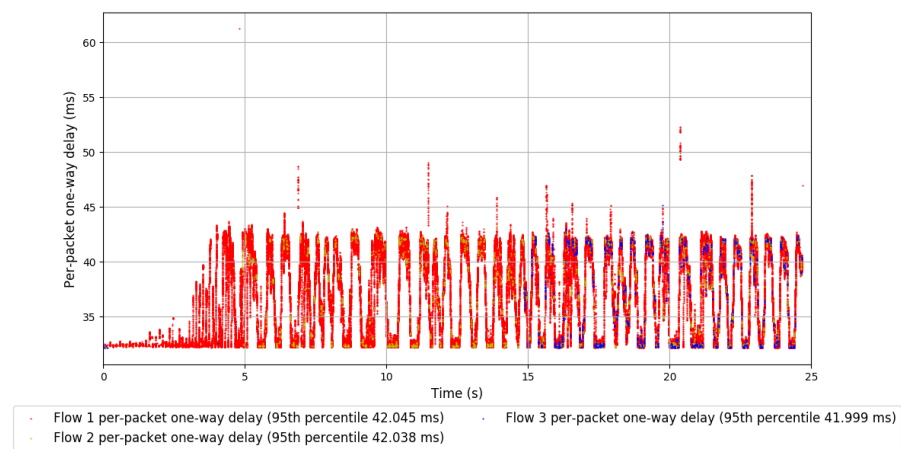
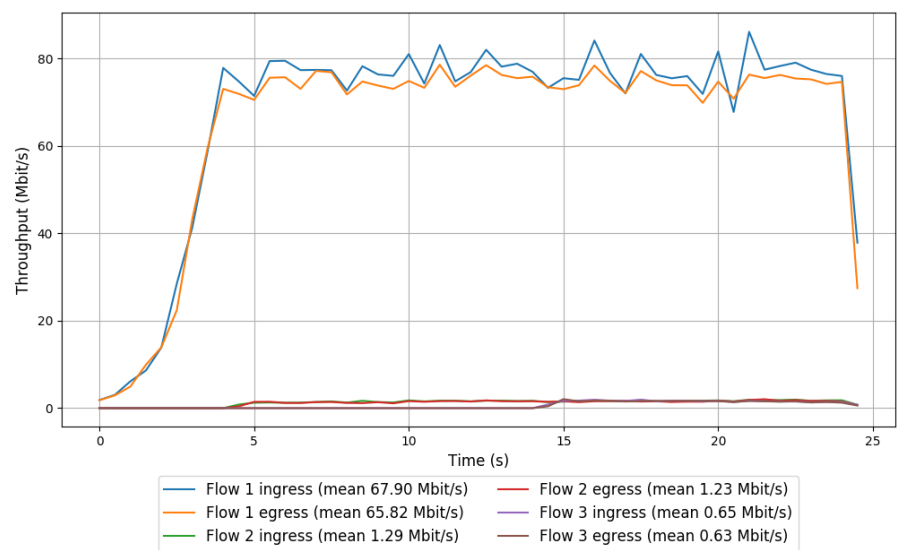
-- Flow 3:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 41.999 ms

Loss rate: 3.78%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:53:15 +0000

End at: Tue, 04 Jul 2017 22:53:45 +0000

Local clock offset: 0.306 ms

Remote clock offset: -27.503 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.26 Mbit/s

95th percentile per-packet one-way delay: 46.616 ms

Loss rate: 2.86%

-- Flow 1:

Average throughput: 41.77 Mbit/s

95th percentile per-packet one-way delay: 46.679 ms

Loss rate: 3.02%

-- Flow 2:

Average throughput: 18.96 Mbit/s

95th percentile per-packet one-way delay: 46.525 ms

Loss rate: 2.46%

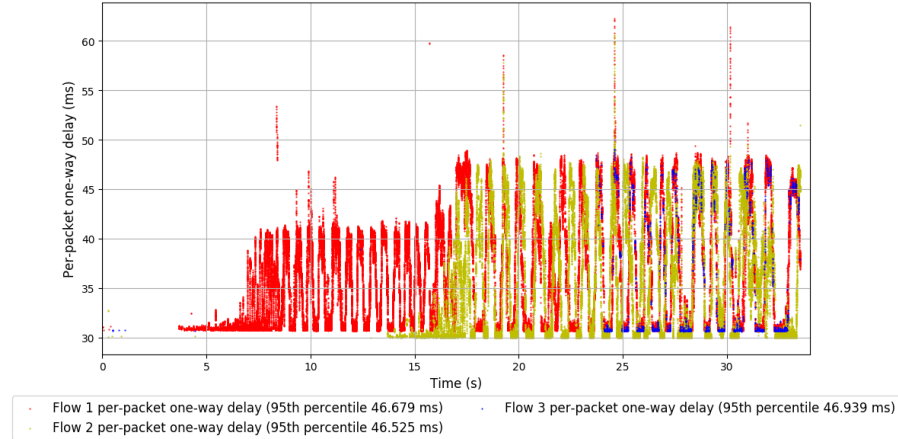
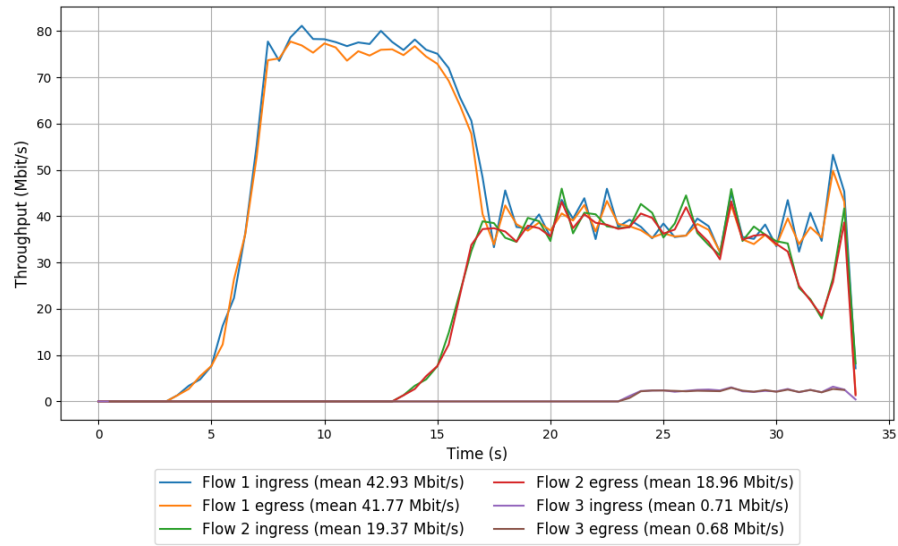
-- Flow 3:

Average throughput: 0.68 Mbit/s

95th percentile per-packet one-way delay: 46.939 ms

Loss rate: 4.59%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 23:11:51 +0000

End at: Tue, 04 Jul 2017 23:12:21 +0000

Local clock offset: 0.305 ms

Remote clock offset: -29.226 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.43 Mbit/s

95th percentile per-packet one-way delay: 43.465 ms

Loss rate: 2.90%

-- Flow 1:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 41.598 ms

Loss rate: 2.98%

-- Flow 2:

Average throughput: 0.97 Mbit/s

95th percentile per-packet one-way delay: 42.508 ms

Loss rate: 4.11%

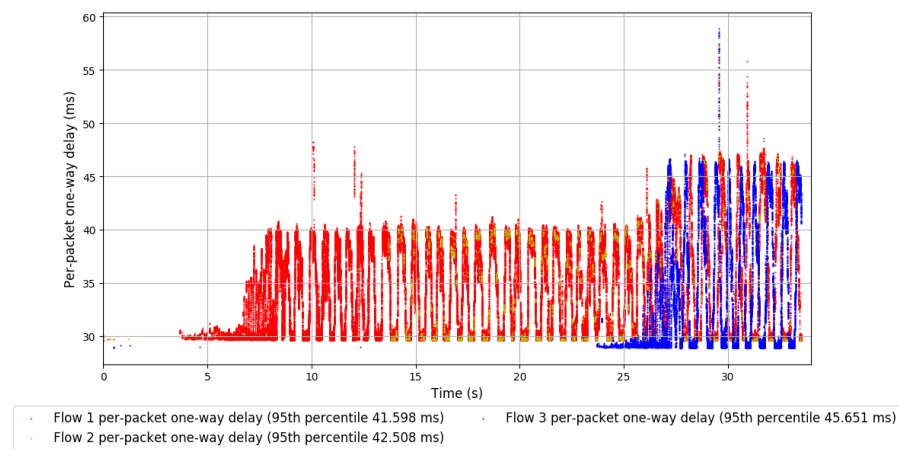
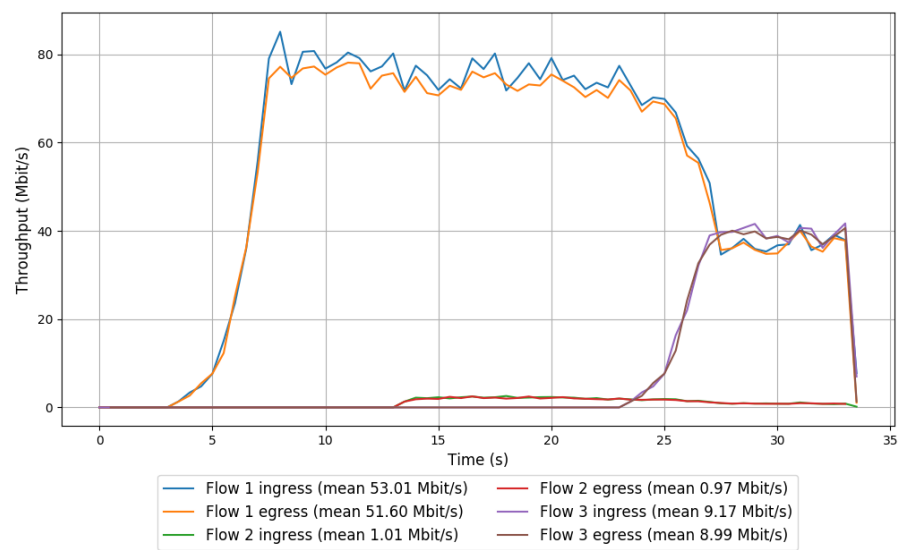
-- Flow 3:

Average throughput: 8.99 Mbit/s

95th percentile per-packet one-way delay: 45.651 ms

Loss rate: 2.29%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 23:30:18 +0000

End at: Tue, 04 Jul 2017 23:30:48 +0000

Local clock offset: 0.236 ms

Remote clock offset: -30.146 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:36:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.62 Mbit/s

95th percentile per-packet one-way delay: 44.256 ms

Loss rate: 2.70%

-- Flow 1:

Average throughput: 44.82 Mbit/s

95th percentile per-packet one-way delay: 44.387 ms

Loss rate: 2.74%

-- Flow 2:

Average throughput: 24.21 Mbit/s

95th percentile per-packet one-way delay: 44.166 ms

Loss rate: 2.55%

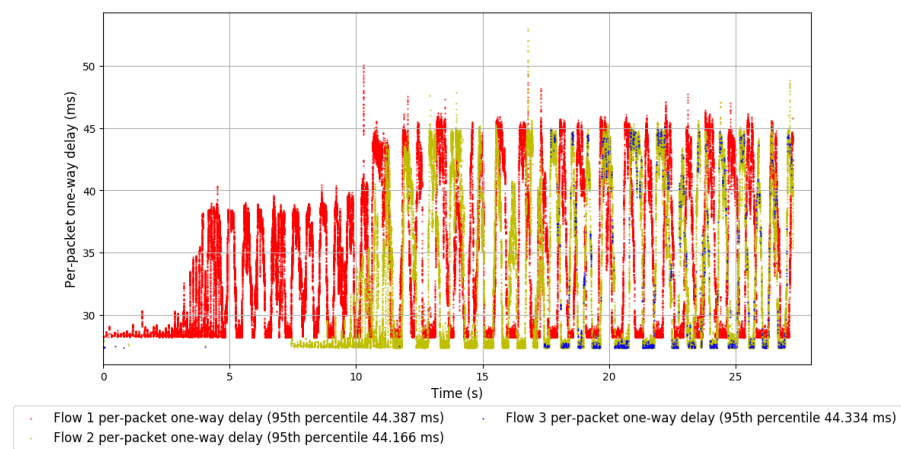
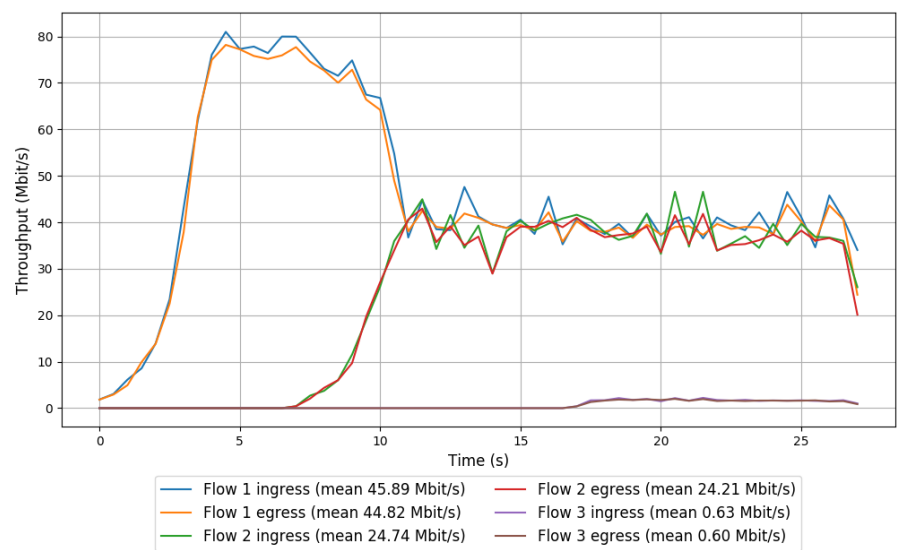
-- Flow 3:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 44.334 ms

Loss rate: 5.41%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 23:48:56 +0000

End at: Tue, 04 Jul 2017 23:49:26 +0000

Local clock offset: 0.341 ms

Remote clock offset: -31.188 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:36:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 59.92 Mbit/s

95th percentile per-packet one-way delay: 41.061 ms

Loss rate: 3.46%

-- Flow 1:

Average throughput: 50.74 Mbit/s

95th percentile per-packet one-way delay: 39.958 ms

Loss rate: 3.53%

-- Flow 2:

Average throughput: 0.72 Mbit/s

95th percentile per-packet one-way delay: 40.534 ms

Loss rate: 5.97%

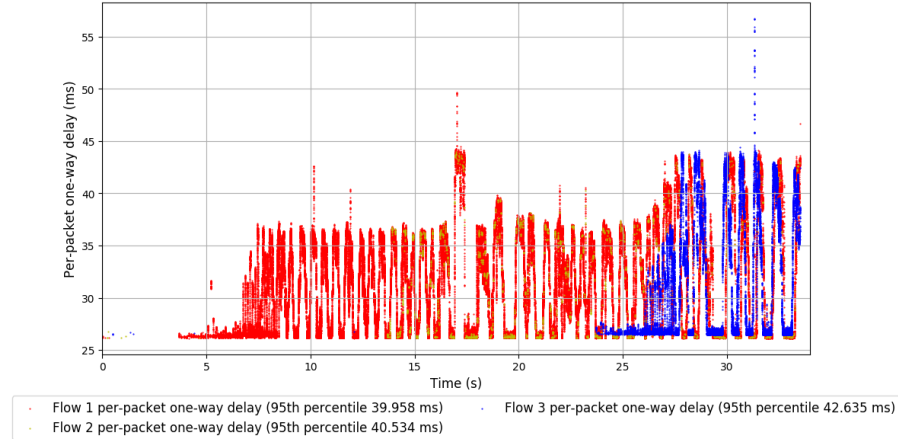
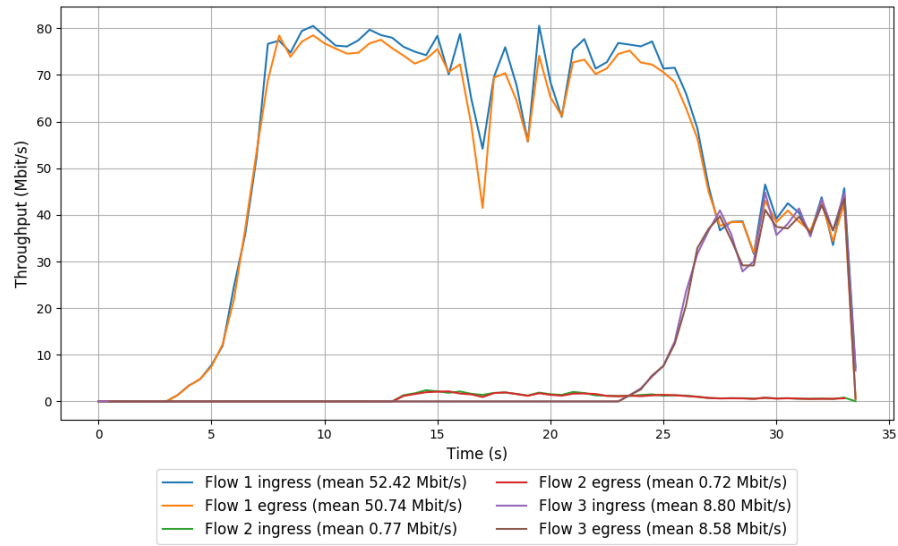
-- Flow 3:

Average throughput: 8.58 Mbit/s

95th percentile per-packet one-way delay: 42.635 ms

Loss rate: 2.84%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 00:07:12 +0000

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

Local clock offset: 0.322 ms

Remote clock offset: -32.383 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:36:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.02 Mbit/s

95th percentile per-packet one-way delay: 41.765 ms

Loss rate: 3.65%

-- Flow 1:

Average throughput: 40.50 Mbit/s

95th percentile per-packet one-way delay: 41.281 ms

Loss rate: 3.40%

-- Flow 2:

Average throughput: 19.34 Mbit/s

95th percentile per-packet one-way delay: 42.208 ms

Loss rate: 4.14%

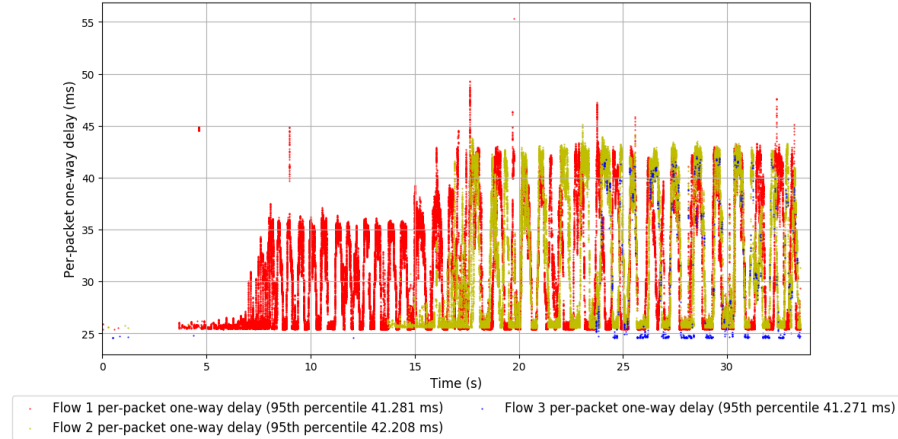
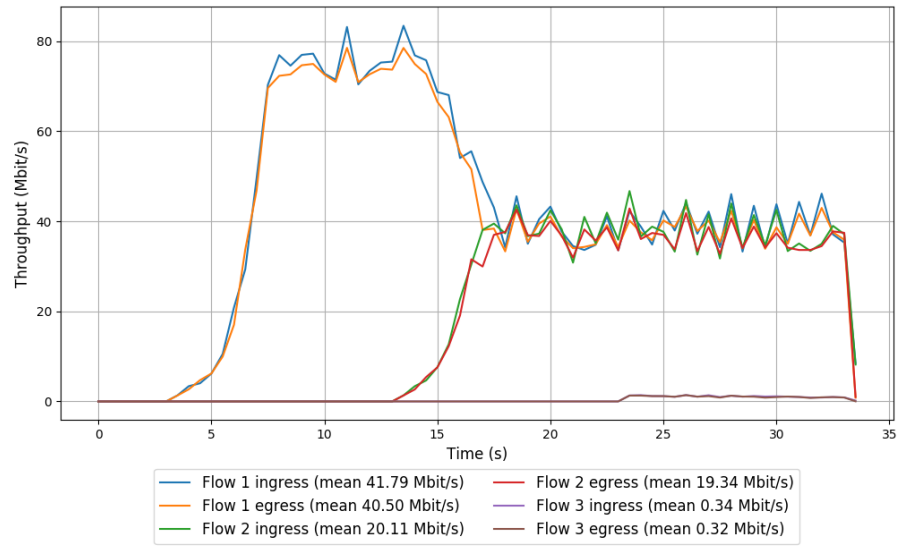
-- Flow 3:

Average throughput: 0.32 Mbit/s

95th percentile per-packet one-way delay: 41.271 ms

Loss rate: 5.44%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 00:25:44 +0000

End at: Wed, 05 Jul 2017 00:26:14 +0000

Local clock offset: 0.348 ms

Remote clock offset: -32.586 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:36:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.02 Mbit/s

95th percentile per-packet one-way delay: 39.156 ms

Loss rate: 3.84%

-- Flow 1:

Average throughput: 51.40 Mbit/s

95th percentile per-packet one-way delay: 37.493 ms

Loss rate: 3.95%

-- Flow 2:

Average throughput: 1.10 Mbit/s

95th percentile per-packet one-way delay: 39.067 ms

Loss rate: 5.42%

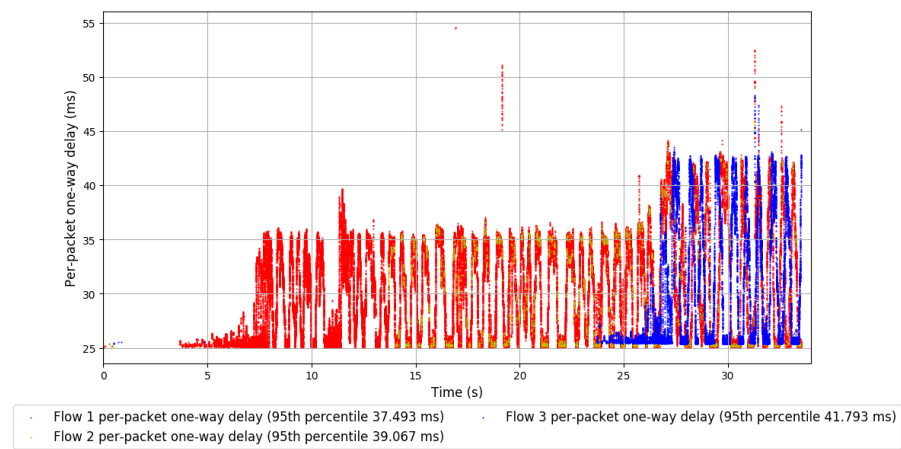
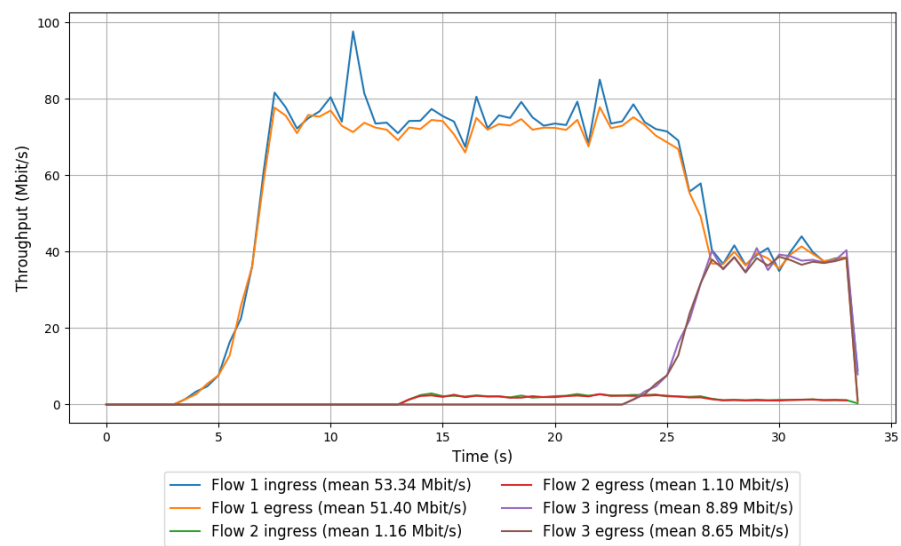
-- Flow 3:

Average throughput: 8.65 Mbit/s

95th percentile per-packet one-way delay: 41.793 ms

Loss rate: 3.00%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 00:44:07 +0000

End at: Wed, 05 Jul 2017 00:44:37 +0000

Local clock offset: 0.35 ms

Remote clock offset: -33.393 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:36:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.12 Mbit/s

95th percentile per-packet one-way delay: 37.732 ms

Loss rate: 6.46%

-- Flow 1:

Average throughput: 48.09 Mbit/s

95th percentile per-packet one-way delay: 35.728 ms

Loss rate: 5.74%

-- Flow 2:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 39.012 ms

Loss rate: 5.78%

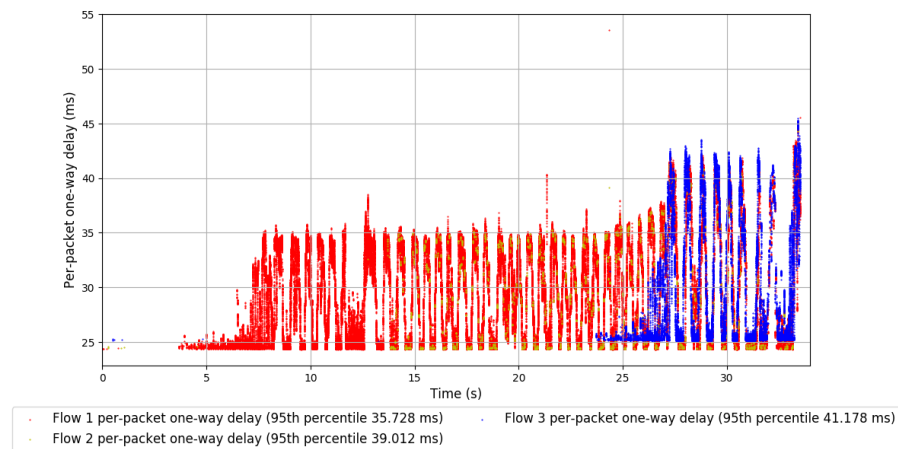
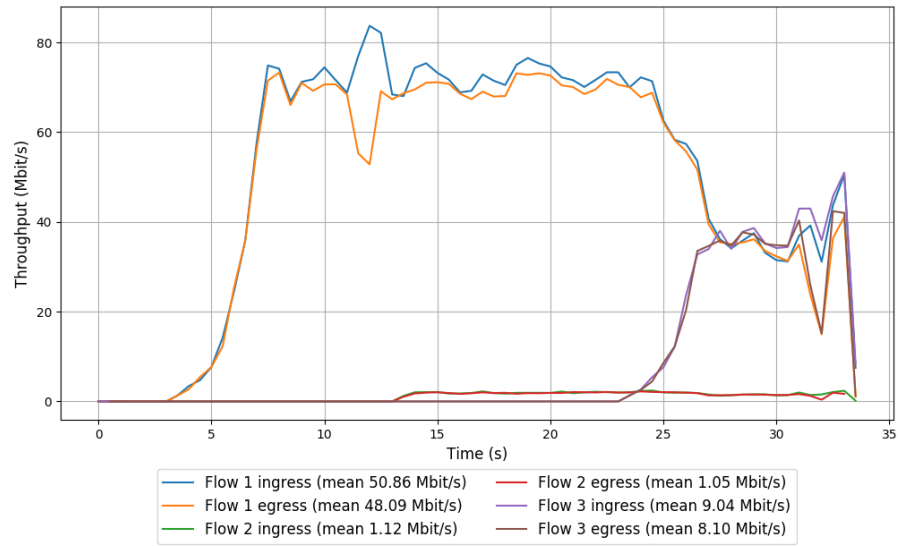
-- Flow 3:

Average throughput: 8.10 Mbit/s

95th percentile per-packet one-way delay: 41.178 ms

Loss rate: 10.67%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Tue, 04 Jul 2017 21:44:15 +0000

End at: Tue, 04 Jul 2017 21:44:45 +0000

Local clock offset: 0.248 ms

Remote clock offset: -23.02 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:36:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.42 Mbit/s

95th percentile per-packet one-way delay: 50.329 ms

Loss rate: 3.31%

-- Flow 1:

Average throughput: 34.32 Mbit/s

95th percentile per-packet one-way delay: 42.115 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 14.80 Mbit/s

95th percentile per-packet one-way delay: 51.168 ms

Loss rate: 5.47%

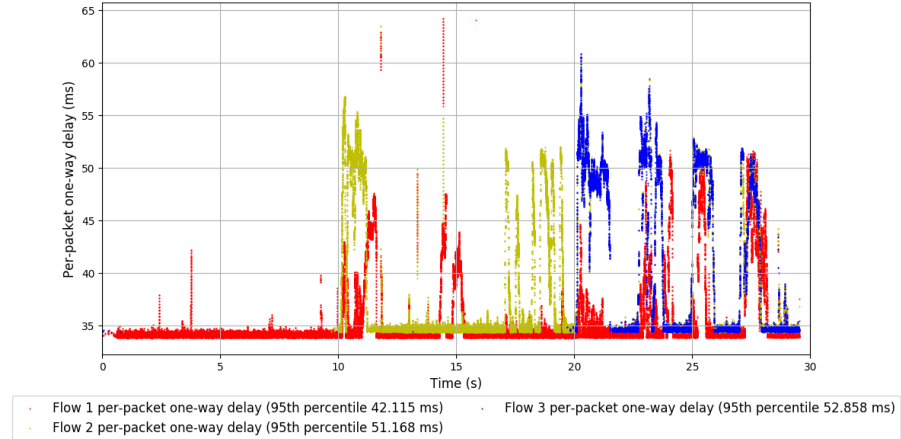
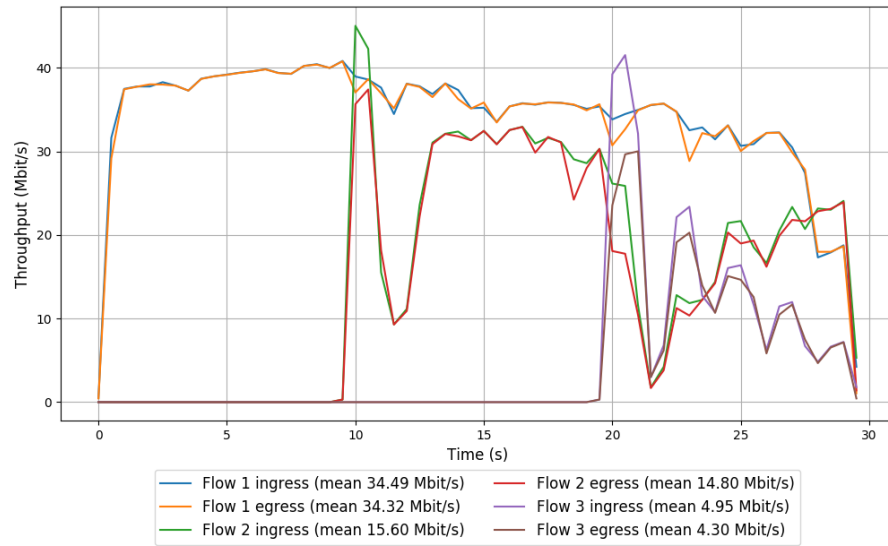
-- Flow 3:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 52.858 ms

Loss rate: 13.51%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:02:38 +0000

End at: Tue, 04 Jul 2017 22:03:08 +0000

Local clock offset: 0.314 ms

Remote clock offset: -22.603 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:36:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 53.02 Mbit/s

95th percentile per-packet one-way delay: 46.941 ms

Loss rate: 10.11%

-- Flow 1:

Average throughput: 32.06 Mbit/s

95th percentile per-packet one-way delay: 45.081 ms

Loss rate: 6.28%

-- Flow 2:

Average throughput: 14.77 Mbit/s

95th percentile per-packet one-way delay: 46.899 ms

Loss rate: 11.67%

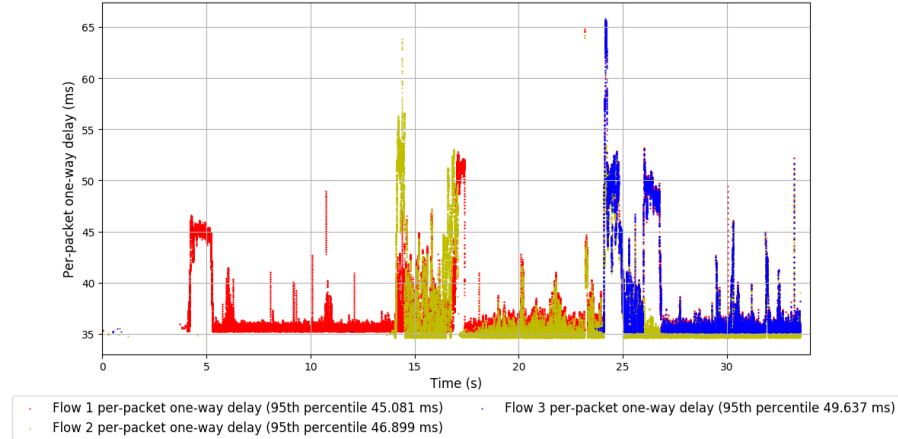
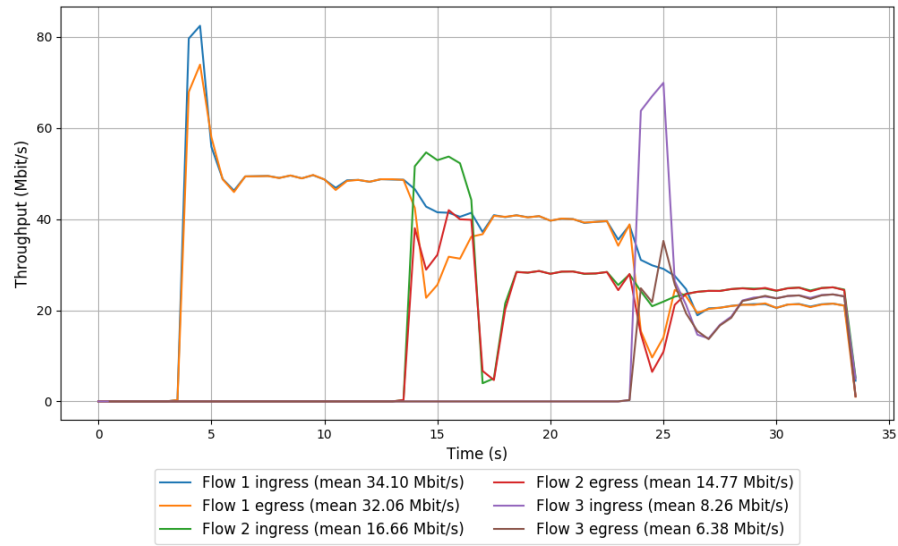
-- Flow 3:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 49.637 ms

Loss rate: 22.97%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:21:13 +0000

End at: Tue, 04 Jul 2017 22:21:43 +0000

Local clock offset: 0.344 ms

Remote clock offset: -24.2 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:36:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.44 Mbit/s

95th percentile per-packet one-way delay: 46.788 ms

Loss rate: 20.18%

-- Flow 1:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 47.955 ms

Loss rate: 28.06%

-- Flow 2:

Average throughput: 18.38 Mbit/s

95th percentile per-packet one-way delay: 43.615 ms

Loss rate: 8.58%

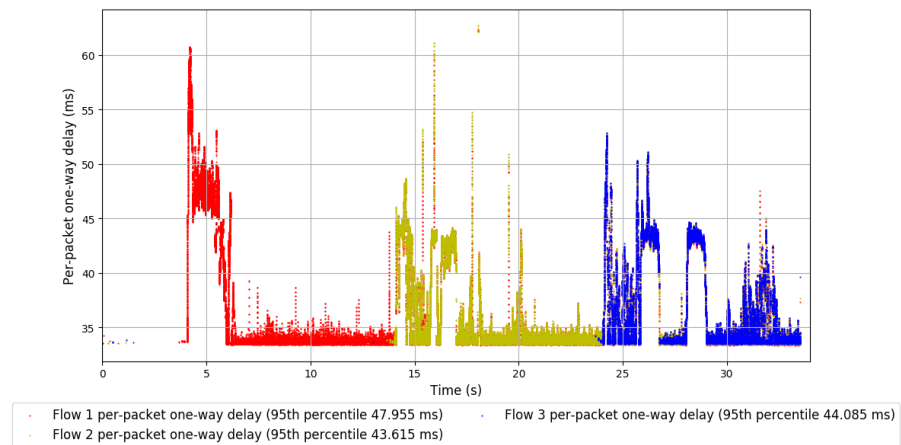
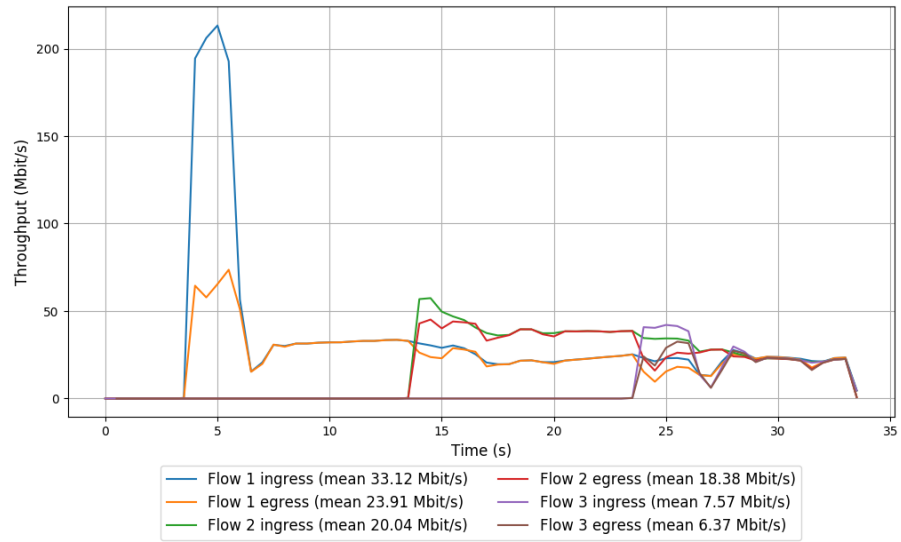
-- Flow 3:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 44.085 ms

Loss rate: 16.10%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:39:38 +0000

End at: Tue, 04 Jul 2017 22:40:08 +0000

Local clock offset: 0.248 ms

Remote clock offset: -26.526 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:36:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.33 Mbit/s

95th percentile per-packet one-way delay: 41.914 ms

Loss rate: 3.00%

-- Flow 1:

Average throughput: 32.60 Mbit/s

95th percentile per-packet one-way delay: 41.443 ms

Loss rate: 2.43%

-- Flow 2:

Average throughput: 15.89 Mbit/s

95th percentile per-packet one-way delay: 46.031 ms

Loss rate: 4.02%

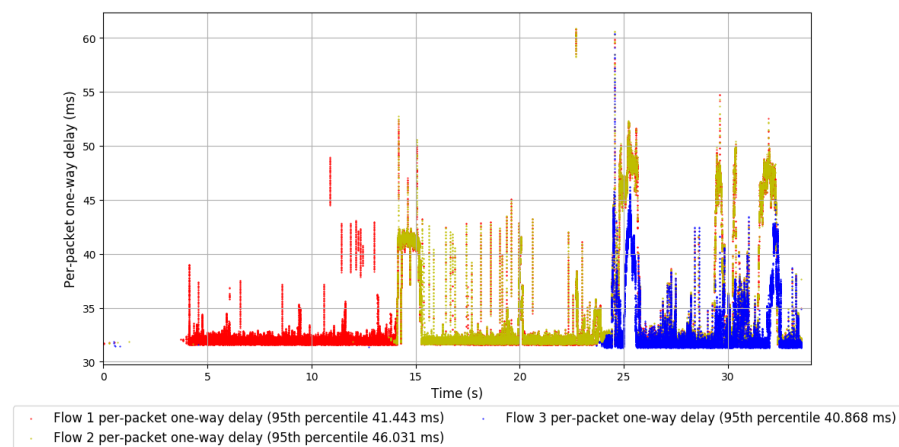
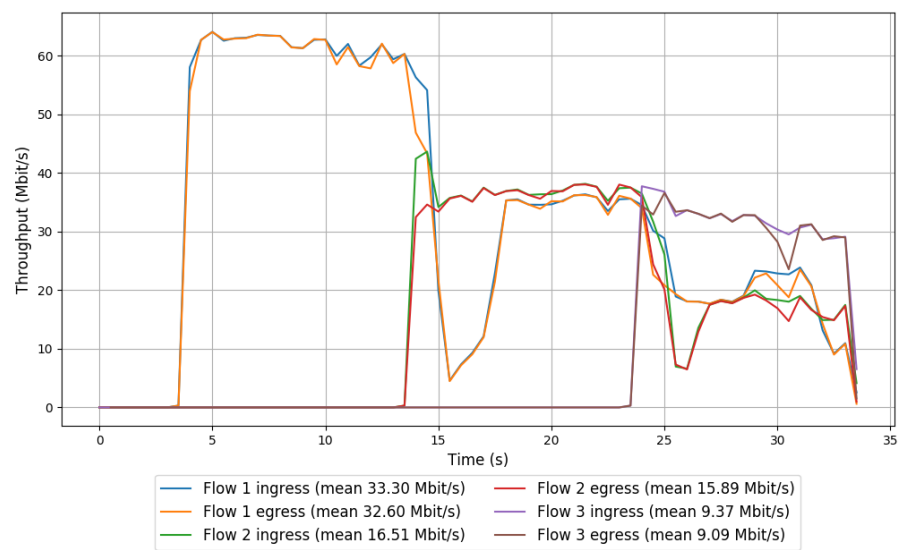
-- Flow 3:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 40.868 ms

Loss rate: 3.29%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:58:08 +0000

End at: Tue, 04 Jul 2017 22:58:38 +0000

Local clock offset: 0.24 ms

Remote clock offset: -27.515 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:36:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.60 Mbit/s

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

Loss rate: 8.16%

-- Flow 1:

Average throughput: 31.25 Mbit/s

95th percentile per-packet one-way delay: 39.819 ms

Loss rate: 5.21%

-- Flow 2:

Average throughput: 16.95 Mbit/s

95th percentile per-packet one-way delay: 39.957 ms

Loss rate: 12.67%

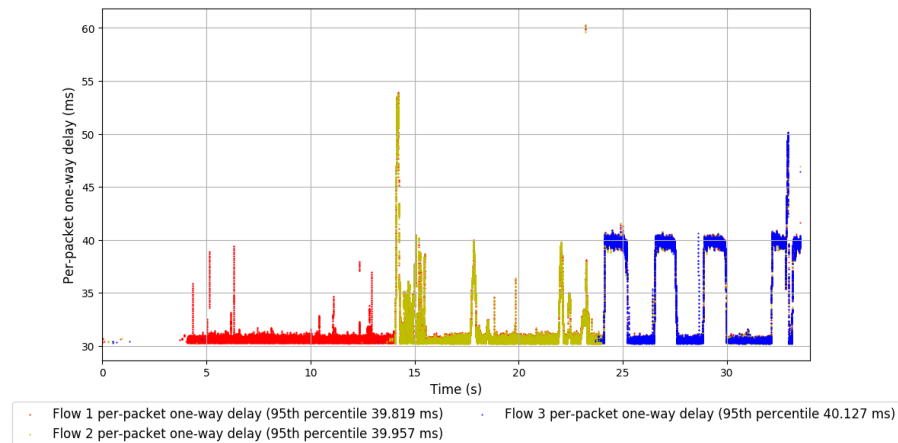
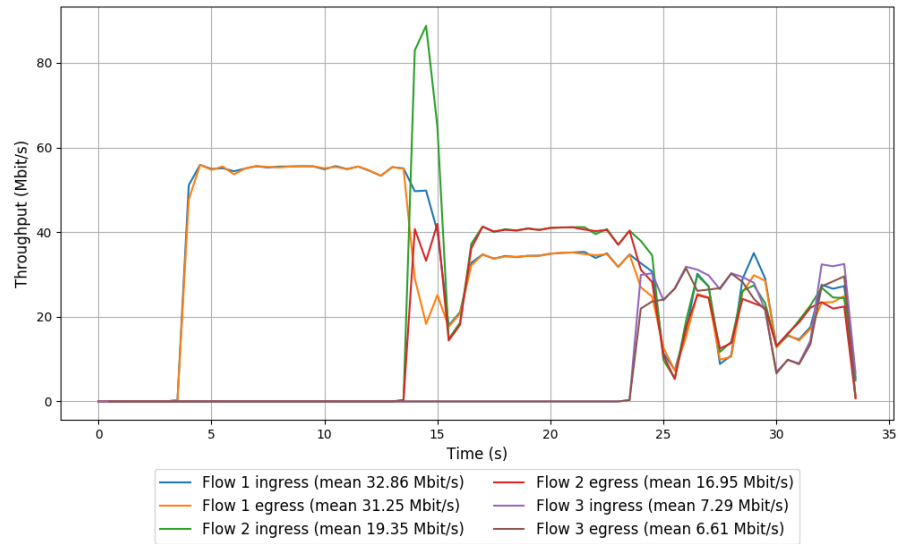
-- Flow 3:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 40.127 ms

Loss rate: 9.61%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Tue, 04 Jul 2017 23:16:43 +0000

End at: Tue, 04 Jul 2017 23:17:13 +0000

Local clock offset: 0.254 ms

Remote clock offset: -28.902 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.96 Mbit/s

95th percentile per-packet one-way delay: 40.588 ms

Loss rate: 10.84%

-- Flow 1:

Average throughput: 34.02 Mbit/s

95th percentile per-packet one-way delay: 32.975 ms

Loss rate: 5.99%

-- Flow 2:

Average throughput: 15.99 Mbit/s

95th percentile per-packet one-way delay: 41.884 ms

Loss rate: 11.34%

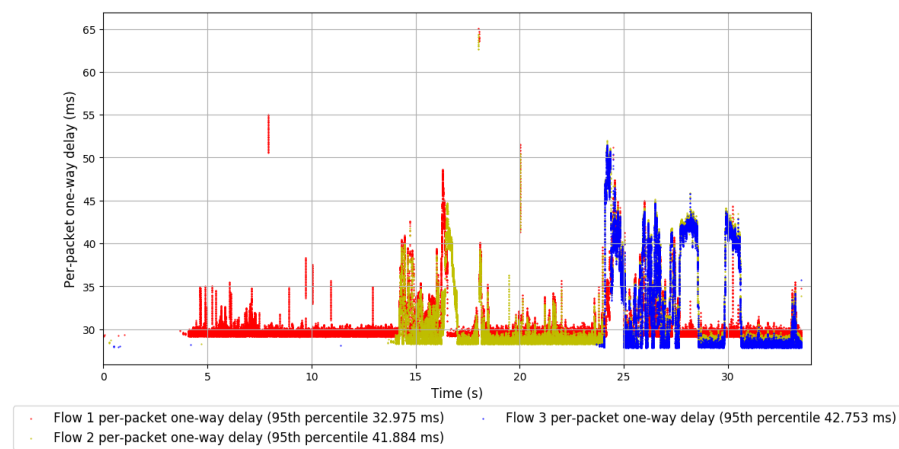
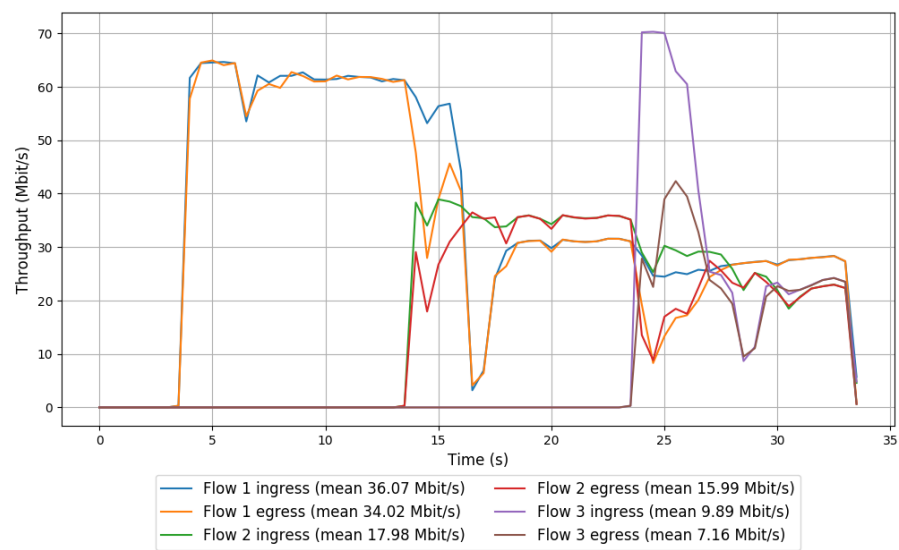
-- Flow 3:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 42.753 ms

Loss rate: 27.84%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Tue, 04 Jul 2017 23:35:18 +0000

End at: Tue, 04 Jul 2017 23:35:48 +0000

Local clock offset: 0.296 ms

Remote clock offset: -30.281 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 55.98 Mbit/s

95th percentile per-packet one-way delay: 39.203 ms

Loss rate: 9.63%

-- Flow 1:

Average throughput: 36.14 Mbit/s

95th percentile per-packet one-way delay: 36.913 ms

Loss rate: 3.91%

-- Flow 2:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 32.037 ms

Loss rate: 7.84%

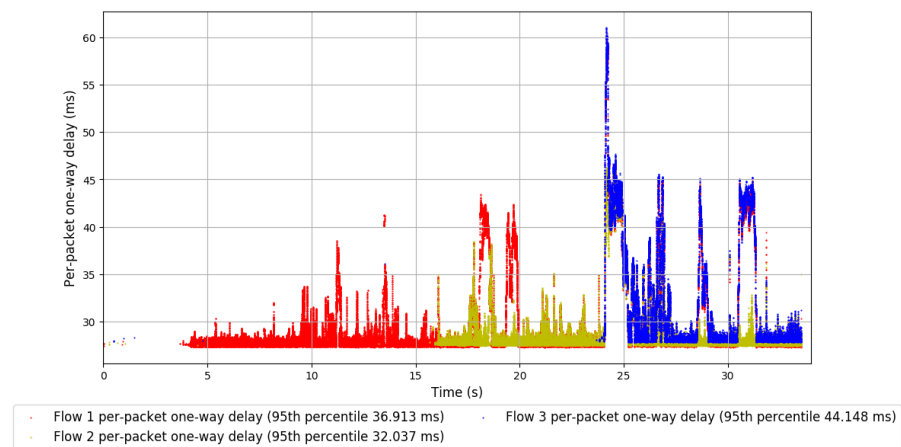
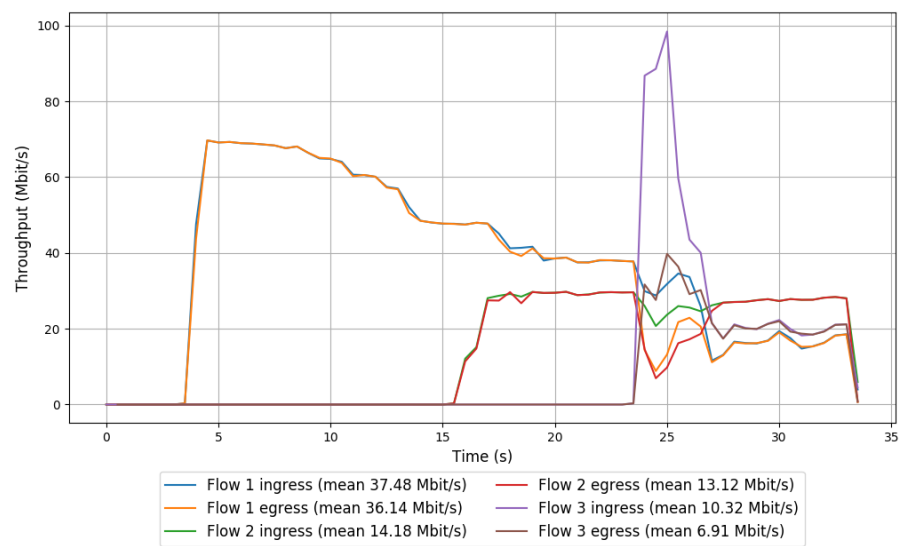
-- Flow 3:

Average throughput: 6.91 Mbit/s

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

Loss rate: 33.22%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

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

End at: Tue, 04 Jul 2017 23:54:15 +0000

Local clock offset: 0.302 ms

Remote clock offset: -31.578 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.52 Mbit/s

95th percentile per-packet one-way delay: 40.683 ms

Loss rate: 3.32%

-- Flow 1:

Average throughput: 30.90 Mbit/s

95th percentile per-packet one-way delay: 31.770 ms

Loss rate: 1.99%

-- Flow 2:

Average throughput: 15.32 Mbit/s

95th percentile per-packet one-way delay: 42.867 ms

Loss rate: 6.18%

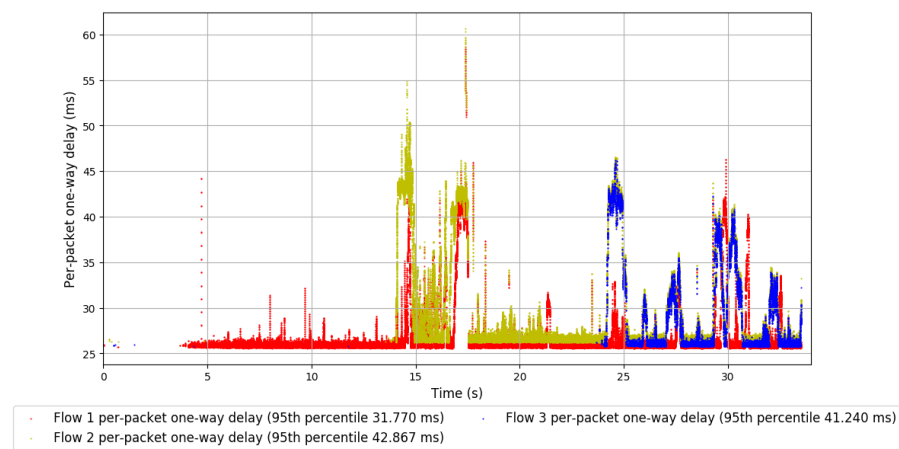
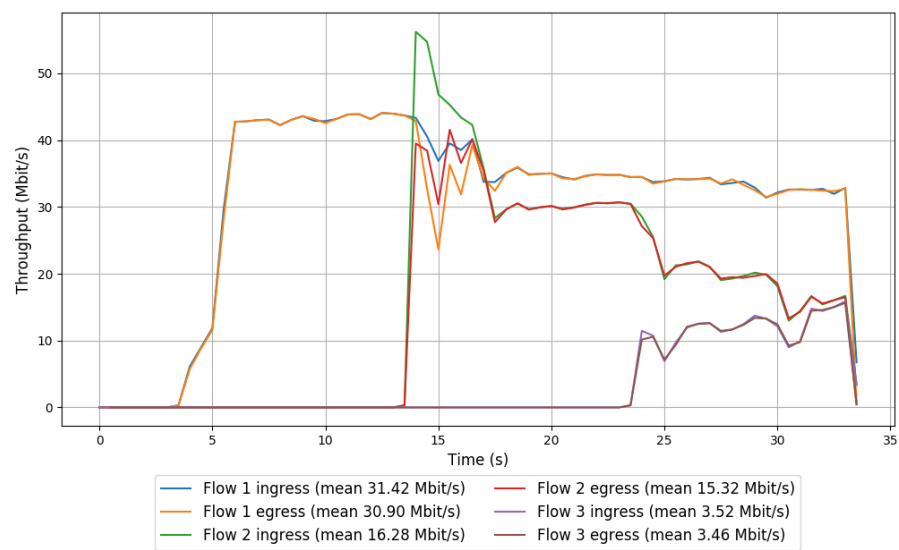
-- Flow 3:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 41.240 ms

Loss rate: 2.03%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

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

End at: Wed, 05 Jul 2017 00:12:30 +0000

Local clock offset: 0.362 ms

Remote clock offset: -32.359 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.96 Mbit/s

95th percentile per-packet one-way delay: 35.568 ms

Loss rate: 14.02%

-- Flow 1:

Average throughput: 25.31 Mbit/s

95th percentile per-packet one-way delay: 35.611 ms

Loss rate: 14.41%

-- Flow 2:

Average throughput: 15.29 Mbit/s

95th percentile per-packet one-way delay: 35.161 ms

Loss rate: 12.53%

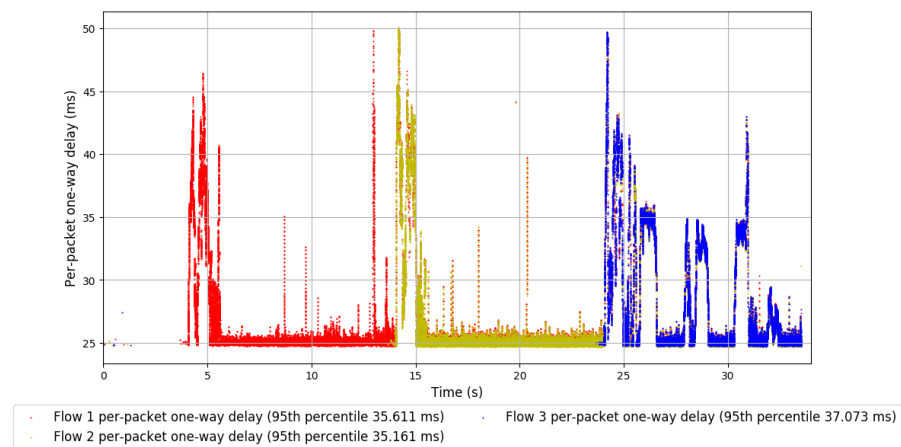
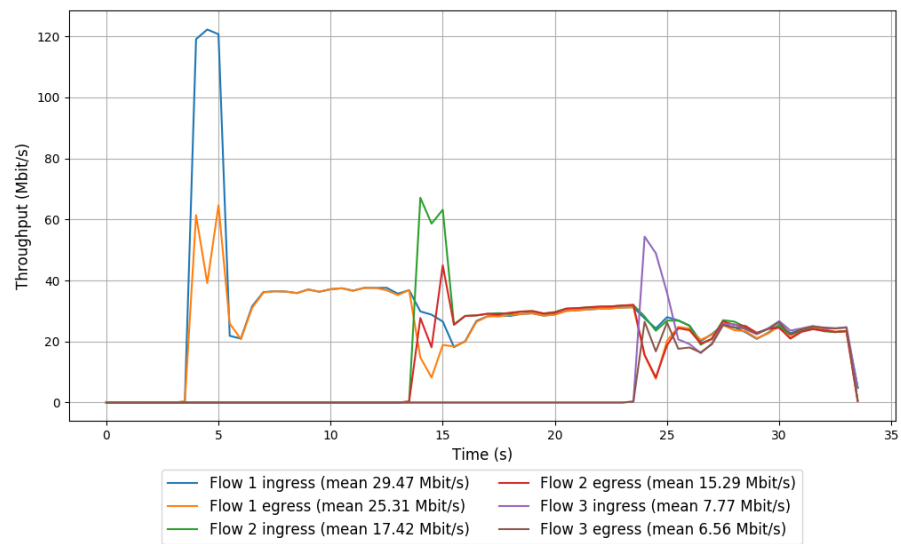
-- Flow 3:

Average throughput: 6.56 Mbit/s

95th percentile per-packet one-way delay: 37.073 ms

Loss rate: 15.86%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Wed, 05 Jul 2017 00:30:35 +0000

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

Local clock offset: 0.352 ms

Remote clock offset: -32.87 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.67 Mbit/s

95th percentile per-packet one-way delay: 33.165 ms

Loss rate: 6.32%

-- Flow 1:

Average throughput: 30.12 Mbit/s

95th percentile per-packet one-way delay: 32.649 ms

Loss rate: 3.78%

-- Flow 2:

Average throughput: 12.39 Mbit/s

95th percentile per-packet one-way delay: 34.489 ms

Loss rate: 6.68%

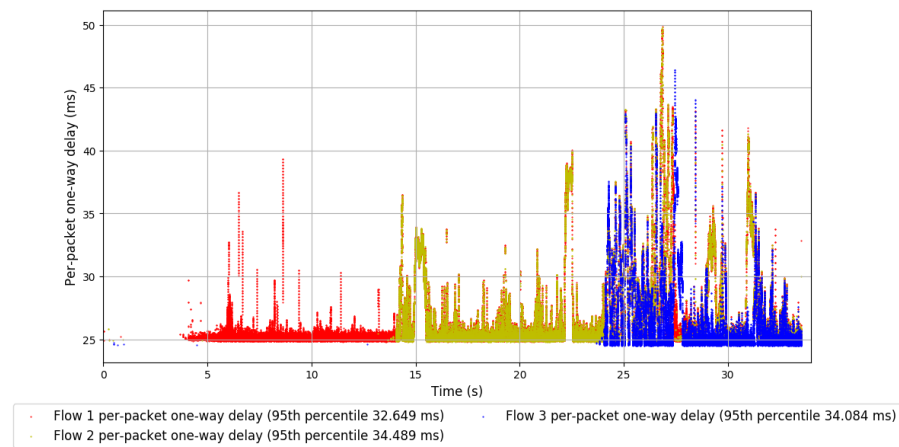
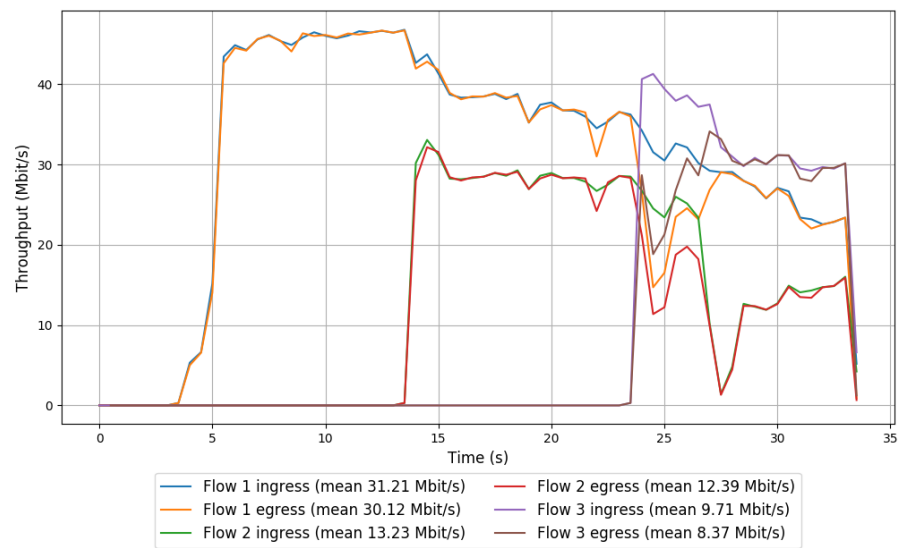
-- Flow 3:

Average throughput: 8.37 Mbit/s

95th percentile per-packet one-way delay: 34.084 ms

Loss rate: 14.12%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 21:49:09 +0000

End at: Tue, 04 Jul 2017 21:49:39 +0000

Local clock offset: 0.325 ms

Remote clock offset: -22.913 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.25 Mbit/s

95th percentile per-packet one-way delay: 36.940 ms

Loss rate: 1.48%

-- Flow 1:

Average throughput: 24.47 Mbit/s

95th percentile per-packet one-way delay: 37.275 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 14.05 Mbit/s

95th percentile per-packet one-way delay: 36.834 ms

Loss rate: 1.40%

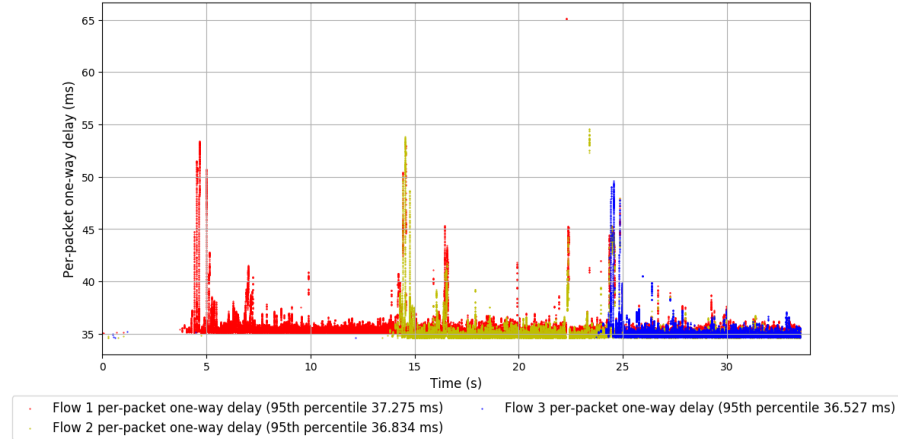
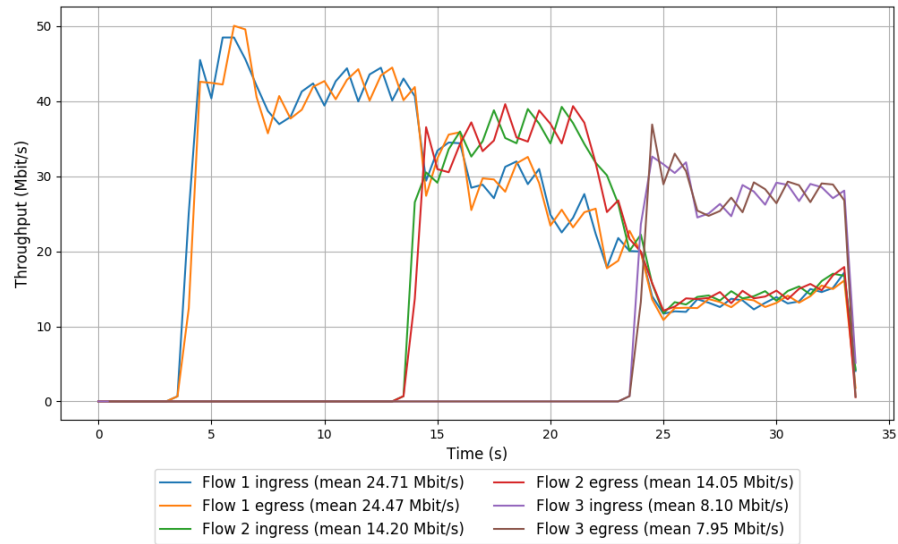
-- Flow 3:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 36.527 ms

Loss rate: 2.17%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:07:40 +0000

End at: Tue, 04 Jul 2017 22:08:10 +0000

Local clock offset: 0.353 ms

Remote clock offset: -23.428 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.27 Mbit/s

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

Loss rate: 1.16%

-- Flow 1:

Average throughput: 26.37 Mbit/s

95th percentile per-packet one-way delay: 35.843 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 16.29 Mbit/s

95th percentile per-packet one-way delay: 42.055 ms

Loss rate: 1.39%

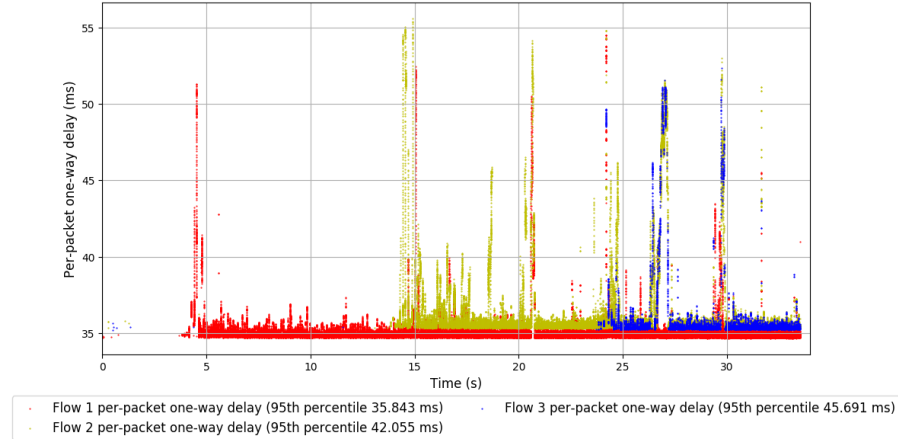
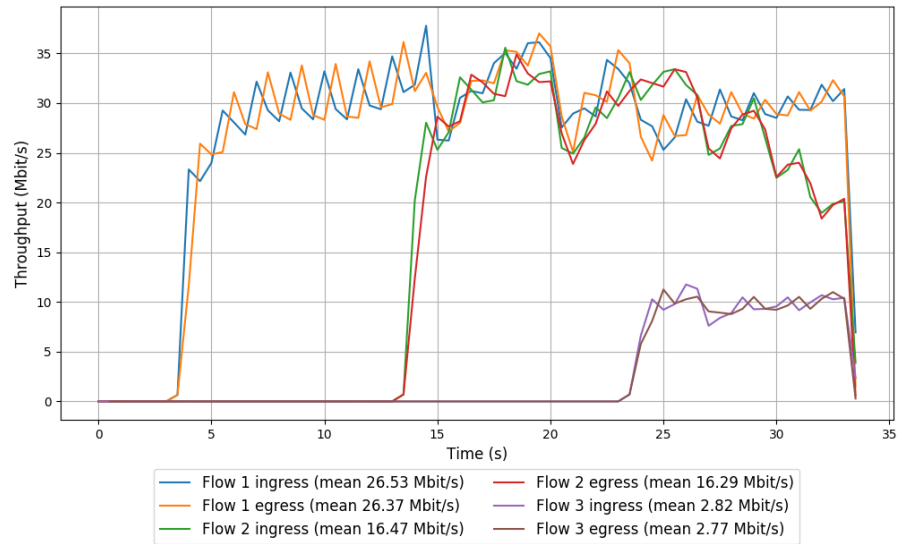
-- Flow 3:

Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 45.691 ms

Loss rate: 1.88%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:26:08 +0000

End at: Tue, 04 Jul 2017 22:26:38 +0000

Local clock offset: 0.256 ms

Remote clock offset: -24.617 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.66 Mbit/s

95th percentile per-packet one-way delay: 36.086 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 22.99 Mbit/s

95th percentile per-packet one-way delay: 35.843 ms

Loss rate: 1.50%

-- Flow 2:

Average throughput: 15.35 Mbit/s

95th percentile per-packet one-way delay: 37.124 ms

Loss rate: 1.20%

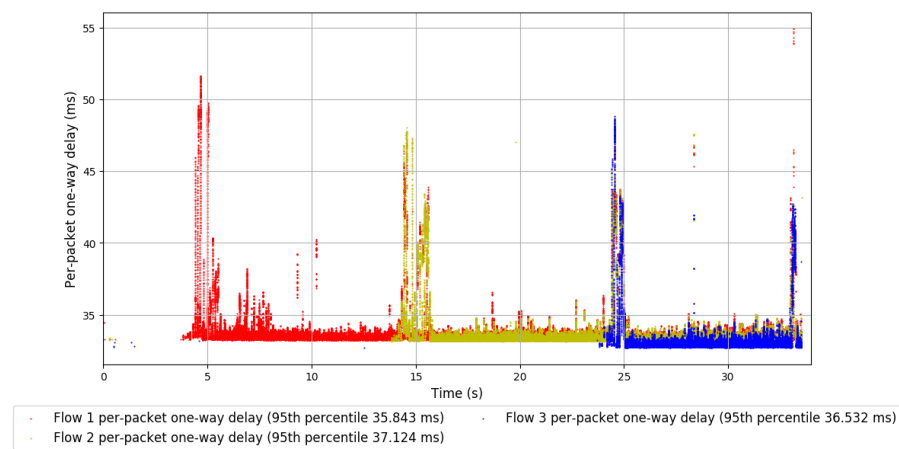
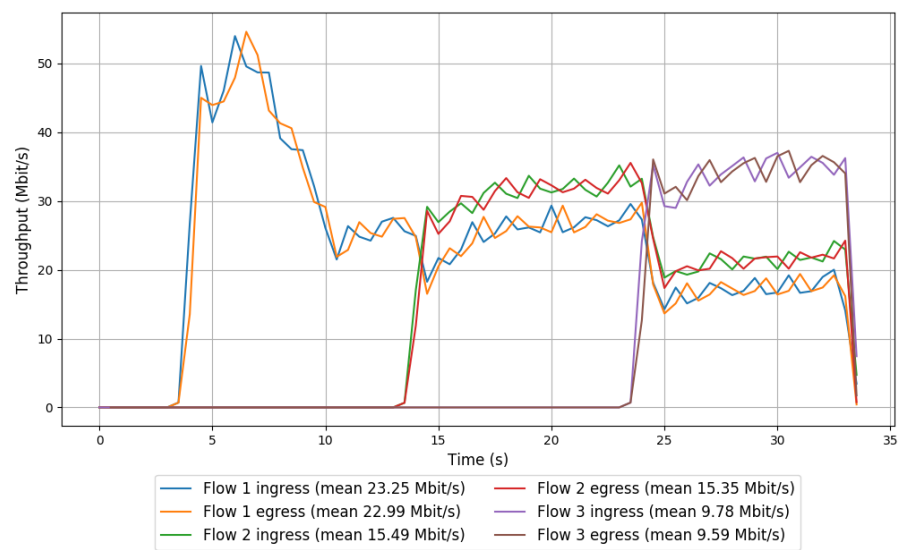
-- Flow 3:

Average throughput: 9.59 Mbit/s

95th percentile per-packet one-way delay: 36.532 ms

Loss rate: 2.20%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:44:36 +0000

End at: Tue, 04 Jul 2017 22:45:06 +0000

Local clock offset: 0.314 ms

Remote clock offset: -26.437 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.21 Mbit/s

95th percentile per-packet one-way delay: 32.805 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 28.54 Mbit/s

95th percentile per-packet one-way delay: 32.432 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 14.47 Mbit/s

95th percentile per-packet one-way delay: 33.843 ms

Loss rate: 1.35%

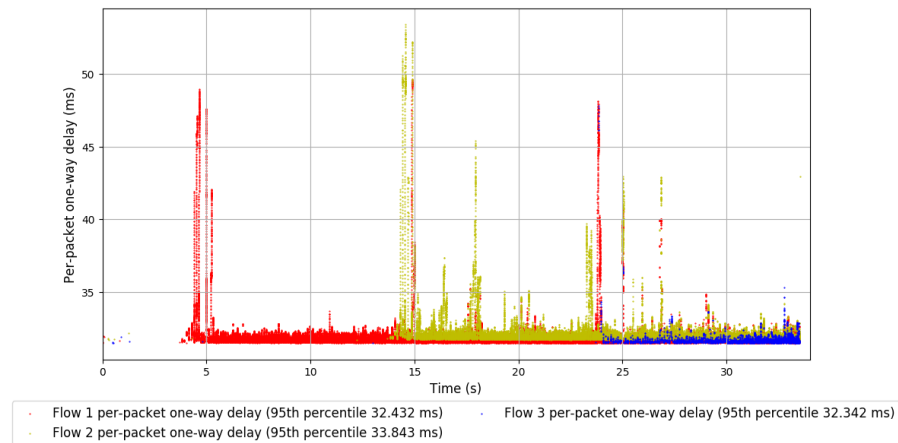
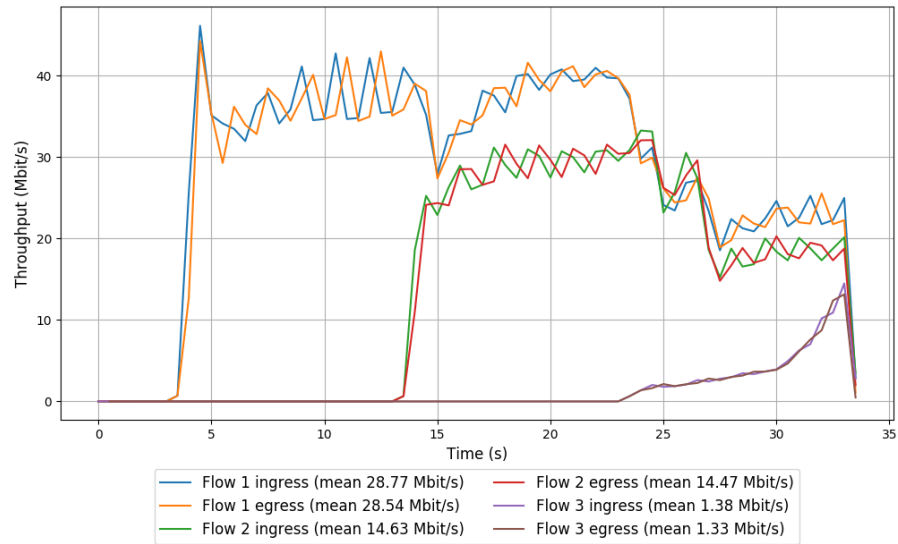
-- Flow 3:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 32.342 ms

Loss rate: 4.06%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:03:04 +0000

End at: Tue, 04 Jul 2017 23:03:34 +0000

Local clock offset: 0.273 ms

Remote clock offset: -27.691 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 47.31 Mbit/s

95th percentile per-packet one-way delay: 32.410 ms

Loss rate: 1.66%

-- Flow 1:

Average throughput: 26.70 Mbit/s

95th percentile per-packet one-way delay: 31.052 ms

Loss rate: 1.31%

-- Flow 2:

Average throughput: 14.38 Mbit/s

95th percentile per-packet one-way delay: 34.044 ms

Loss rate: 1.72%

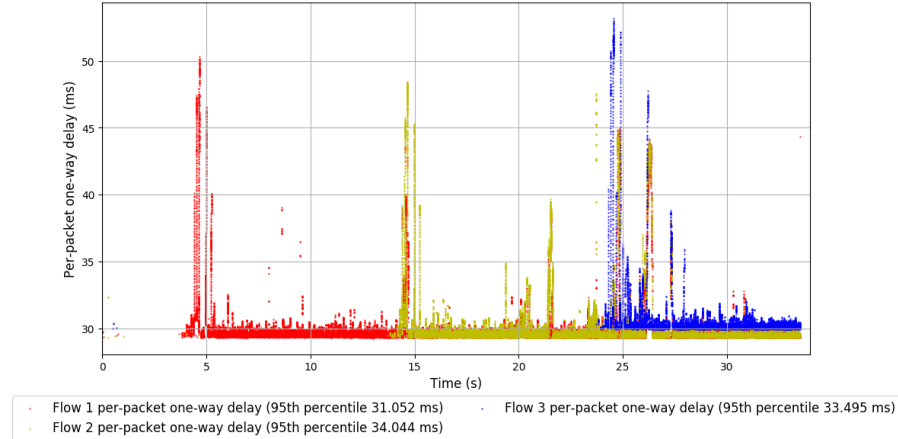
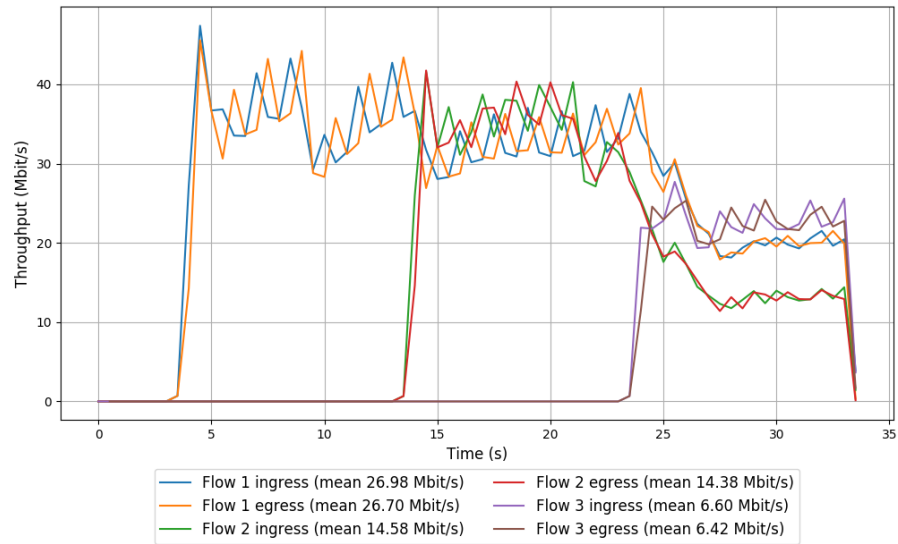
-- Flow 3:

Average throughput: 6.42 Mbit/s

95th percentile per-packet one-way delay: 33.495 ms

Loss rate: 3.03%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:21:45 +0000

End at: Tue, 04 Jul 2017 23:22:15 +0000

Local clock offset: 0.215 ms

Remote clock offset: -29.569 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.84 Mbit/s

95th percentile per-packet one-way delay: 37.498 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 25.54 Mbit/s

95th percentile per-packet one-way delay: 33.065 ms

Loss rate: 0.67%

-- Flow 2:

Average throughput: 17.95 Mbit/s

95th percentile per-packet one-way delay: 37.854 ms

Loss rate: 1.18%

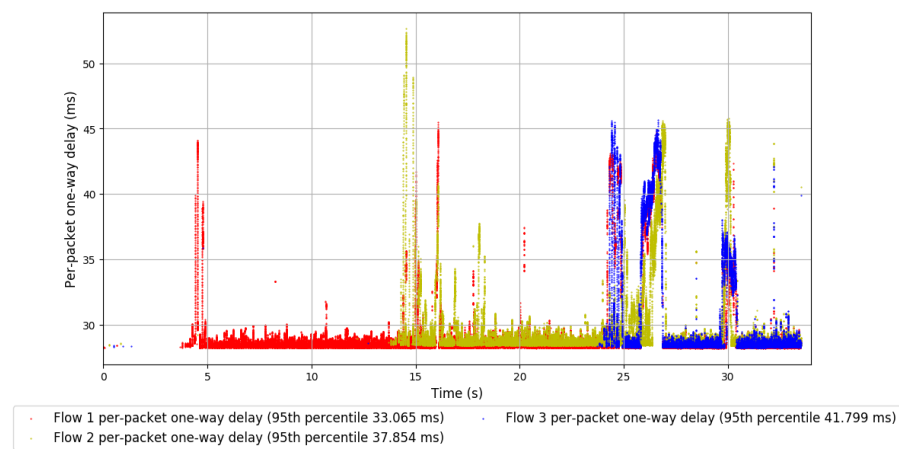
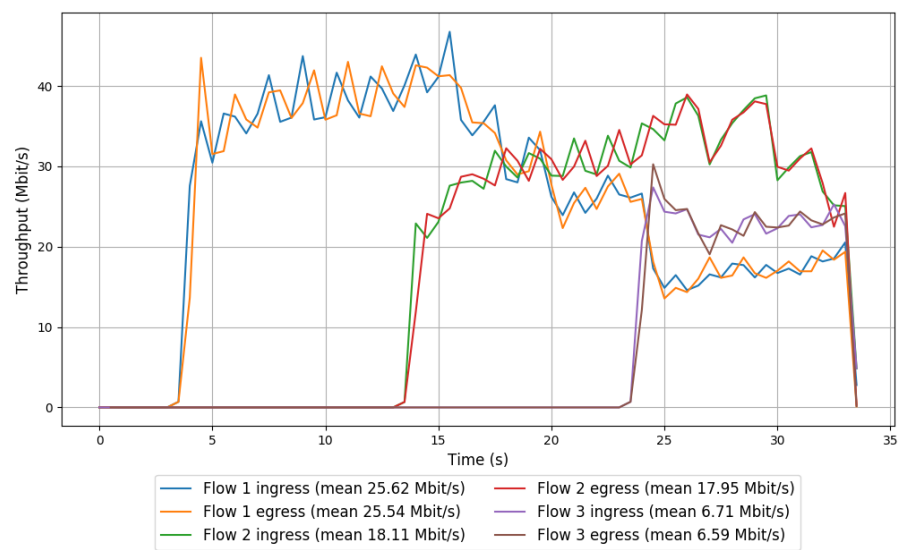
-- Flow 3:

Average throughput: 6.59 Mbit/s

95th percentile per-packet one-way delay: 41.799 ms

Loss rate: 2.03%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:40:21 +0000

End at: Tue, 04 Jul 2017 23:40:51 +0000

Local clock offset: 0.335 ms

Remote clock offset: -30.989 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.29 Mbit/s

95th percentile per-packet one-way delay: 29.736 ms

Loss rate: 1.67%

-- Flow 1:

Average throughput: 25.33 Mbit/s

95th percentile per-packet one-way delay: 29.400 ms

Loss rate: 1.18%

-- Flow 2:

Average throughput: 17.07 Mbit/s

95th percentile per-packet one-way delay: 30.499 ms

Loss rate: 1.99%

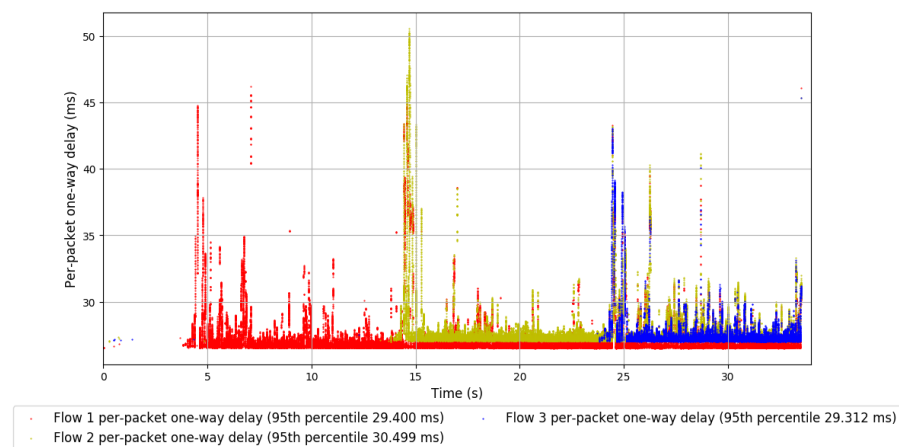
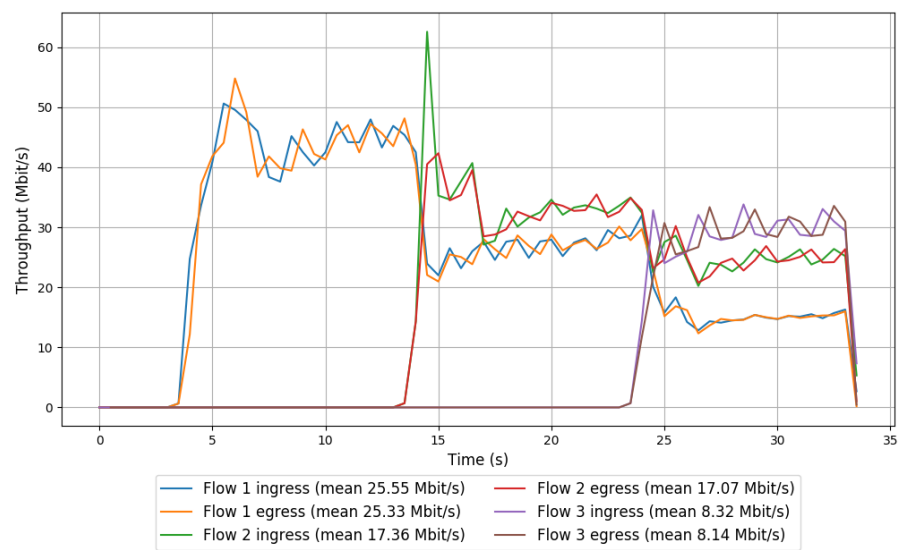
-- Flow 3:

Average throughput: 8.14 Mbit/s

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

Loss rate: 2.52%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:58:40 +0000

End at: Tue, 04 Jul 2017 23:59:10 +0000

Local clock offset: 0.299 ms

Remote clock offset: -31.724 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.54 Mbit/s

95th percentile per-packet one-way delay: 32.132 ms

Loss rate: 1.33%

-- Flow 1:

Average throughput: 25.51 Mbit/s

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

Loss rate: 0.68%

-- Flow 2:

Average throughput: 14.56 Mbit/s

95th percentile per-packet one-way delay: 34.823 ms

Loss rate: 1.99%

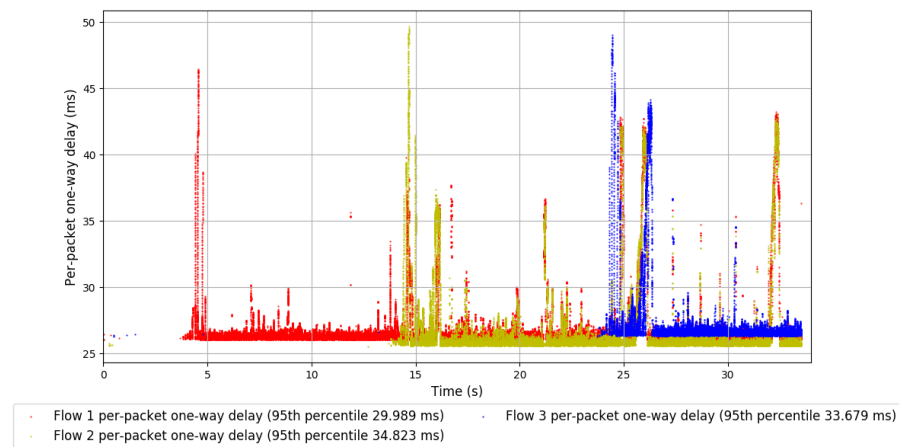
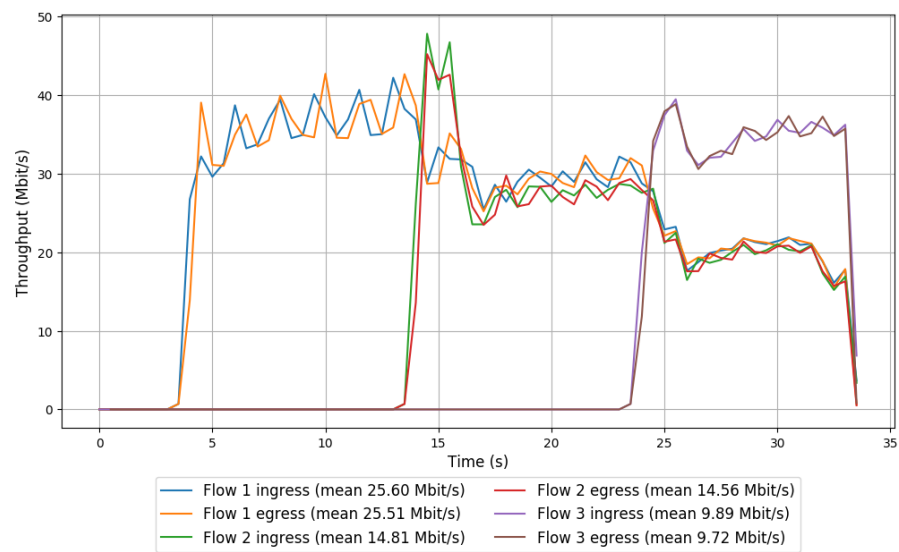
-- Flow 3:

Average throughput: 9.72 Mbit/s

95th percentile per-packet one-way delay: 33.679 ms

Loss rate: 2.04%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 00:17:01 +0000

End at: Wed, 05 Jul 2017 00:17:31 +0000

Local clock offset: 0.28 ms

Remote clock offset: -32.657 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.87 Mbit/s

95th percentile per-packet one-way delay: 34.145 ms

Loss rate: 1.54%

-- Flow 1:

Average throughput: 20.92 Mbit/s

95th percentile per-packet one-way delay: 29.004 ms

Loss rate: 1.47%

-- Flow 2:

Average throughput: 13.04 Mbit/s

95th percentile per-packet one-way delay: 29.619 ms

Loss rate: 1.58%

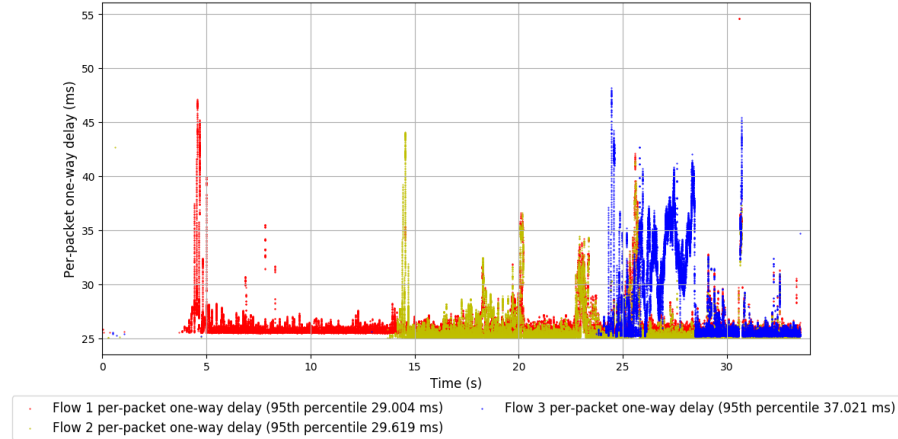
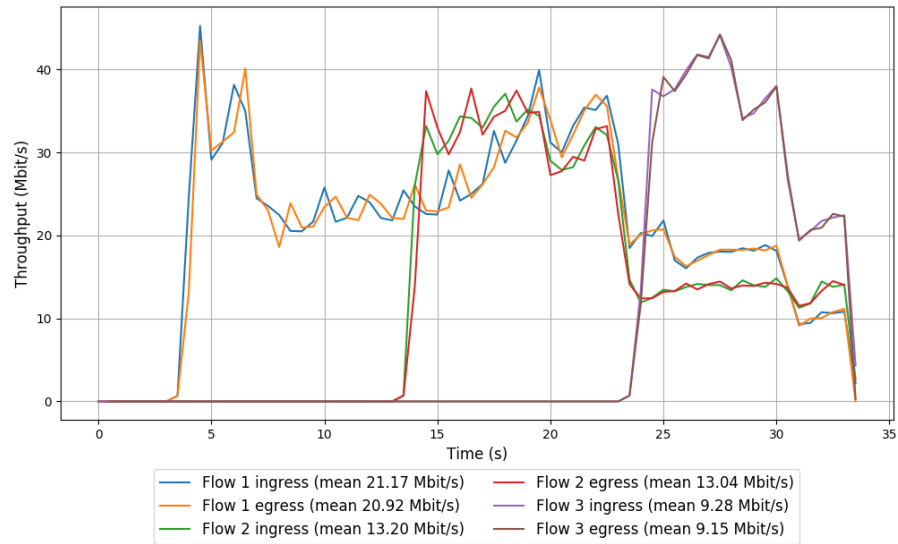
-- Flow 3:

Average throughput: 9.15 Mbit/s

95th percentile per-packet one-way delay: 37.021 ms

Loss rate: 1.63%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 00:35:29 +0000

End at: Wed, 05 Jul 2017 00:35:59 +0000

Local clock offset: 0.342 ms

Remote clock offset: -32.922 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.40 Mbit/s

95th percentile per-packet one-way delay: 30.131 ms

Loss rate: 1.56%

-- Flow 1:

Average throughput: 17.77 Mbit/s

95th percentile per-packet one-way delay: 28.794 ms

Loss rate: 1.82%

-- Flow 2:

Average throughput: 20.69 Mbit/s

95th percentile per-packet one-way delay: 29.578 ms

Loss rate: 1.01%

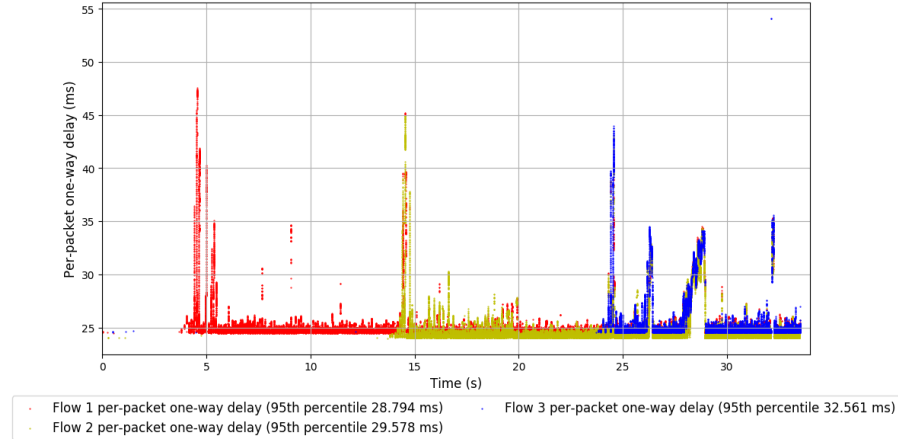
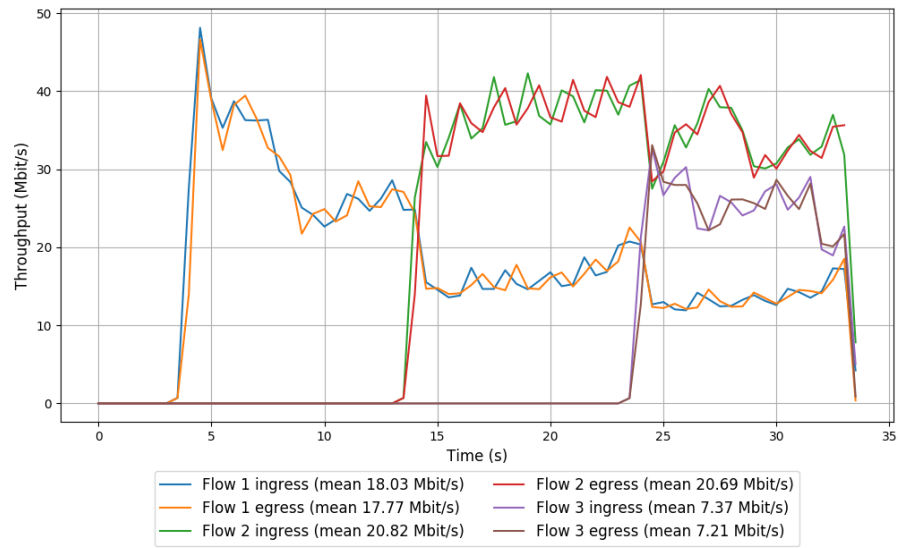
-- Flow 3:

Average throughput: 7.21 Mbit/s

95th percentile per-packet one-way delay: 32.561 ms

Loss rate: 2.50%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:56:27 +0000

End at: Tue, 04 Jul 2017 21:56:57 +0000

Local clock offset: 0.368 ms

Remote clock offset: -22.824 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.78 Mbit/s

95th percentile per-packet one-way delay: 35.967 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 9.03 Mbit/s

95th percentile per-packet one-way delay: 35.739 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 5.96 Mbit/s

95th percentile per-packet one-way delay: 36.090 ms

Loss rate: 0.60%

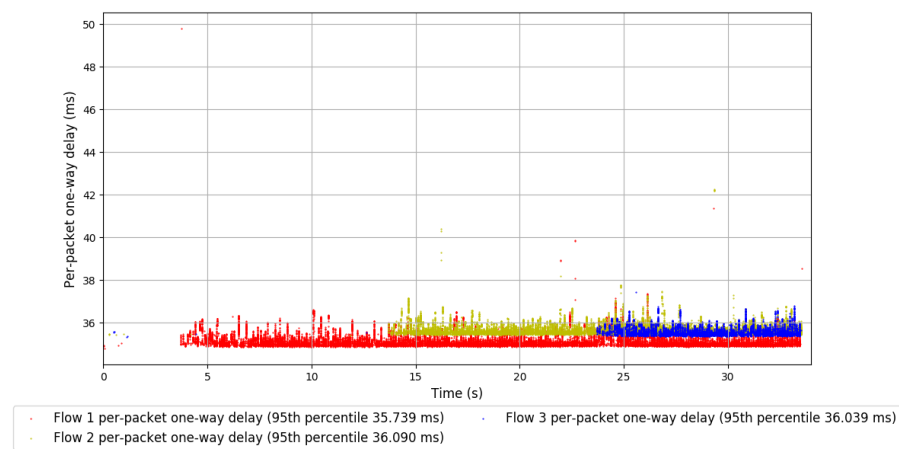
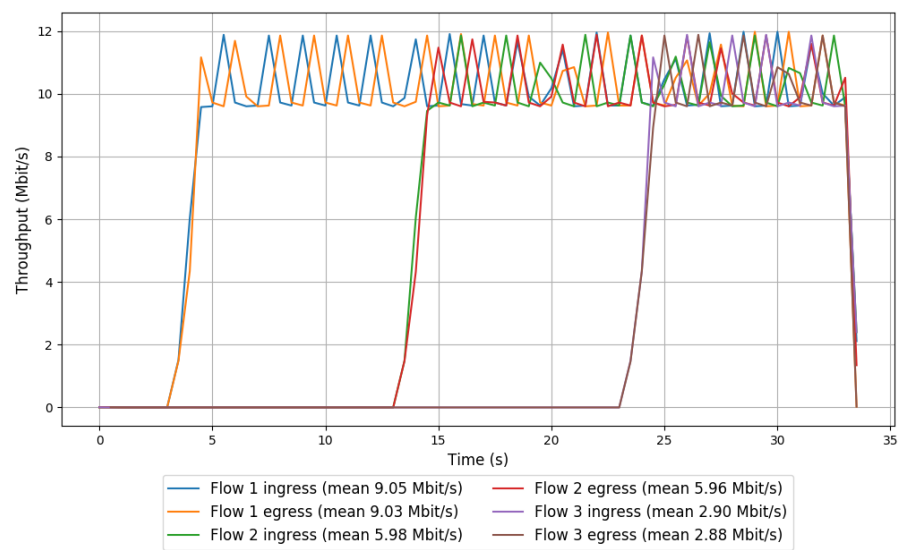
-- Flow 3:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 36.039 ms

Loss rate: 1.25%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 22:15:05 +0000

End at: Tue, 04 Jul 2017 22:15:35 +0000

Local clock offset: 0.256 ms

Remote clock offset: -23.941 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.71 Mbit/s

95th percentile per-packet one-way delay: 34.770 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 9.00 Mbit/s

95th percentile per-packet one-way delay: 34.393 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 5.92 Mbit/s

95th percentile per-packet one-way delay: 34.873 ms

Loss rate: 0.91%

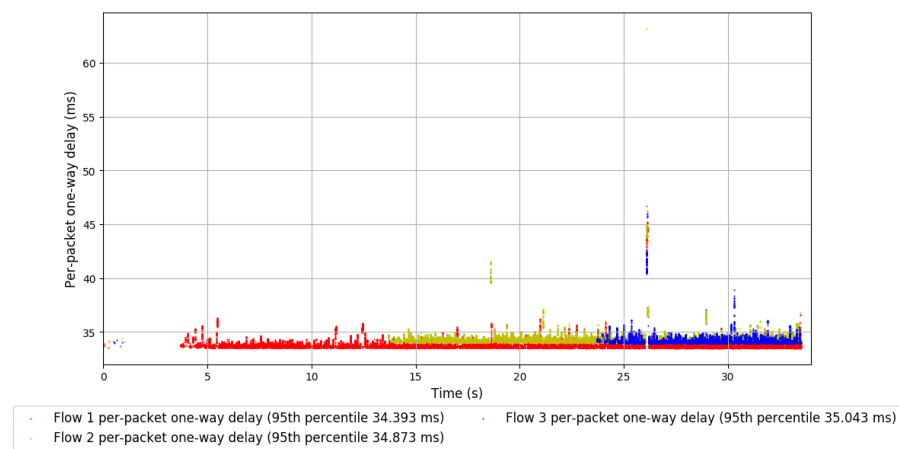
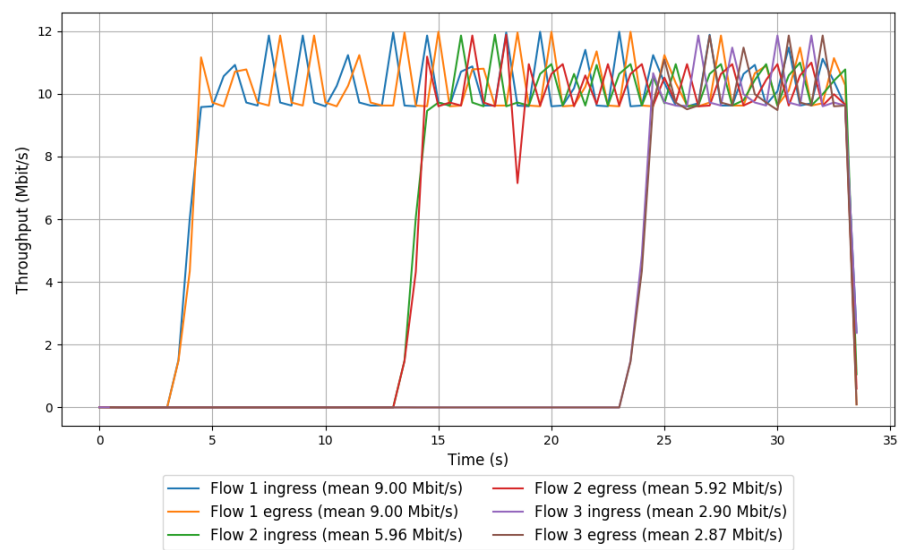
-- Flow 3:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 35.043 ms

Loss rate: 1.37%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

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

End at: Tue, 04 Jul 2017 22:34:07 +0000

Local clock offset: 0.317 ms

Remote clock offset: -25.227 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.70 Mbit/s

95th percentile per-packet one-way delay: 33.263 ms

Loss rate: 0.66%

-- Flow 1:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 33.149 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 5.95 Mbit/s

95th percentile per-packet one-way delay: 33.121 ms

Loss rate: 0.77%

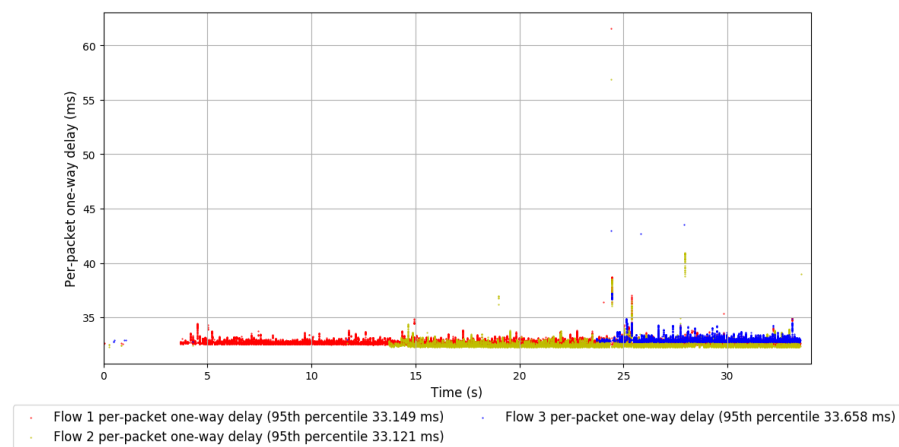
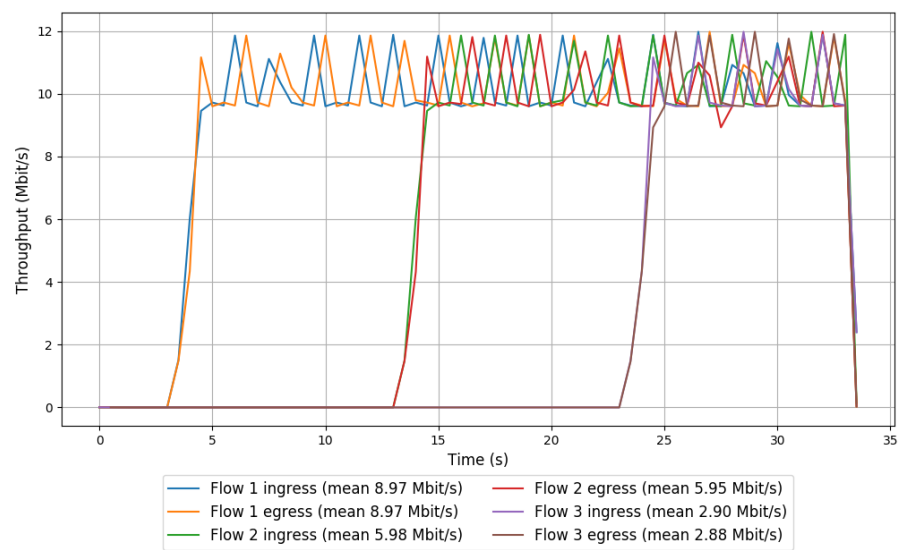
-- Flow 3:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 33.658 ms

Loss rate: 1.25%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

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

End at: Tue, 04 Jul 2017 22:52:34 +0000

Local clock offset: 0.334 ms

Remote clock offset: -26.652 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.86 Mbit/s

95th percentile per-packet one-way delay: 31.807 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 9.11 Mbit/s

95th percentile per-packet one-way delay: 31.546 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 5.94 Mbit/s

95th percentile per-packet one-way delay: 31.995 ms

Loss rate: 0.51%

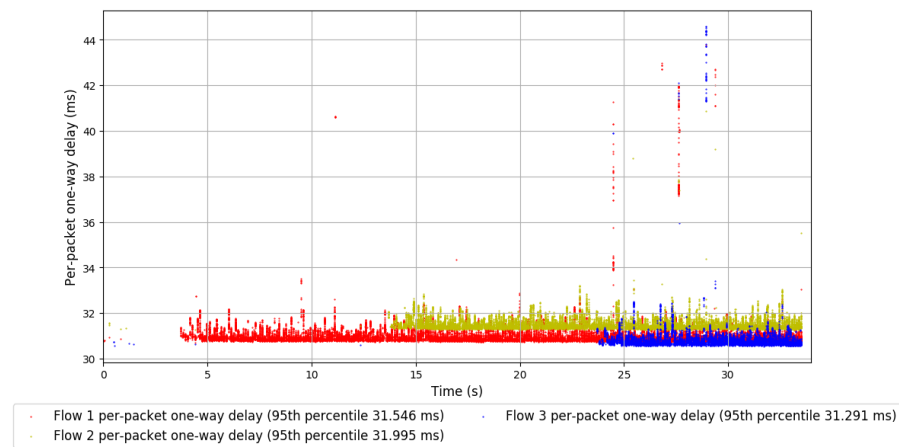
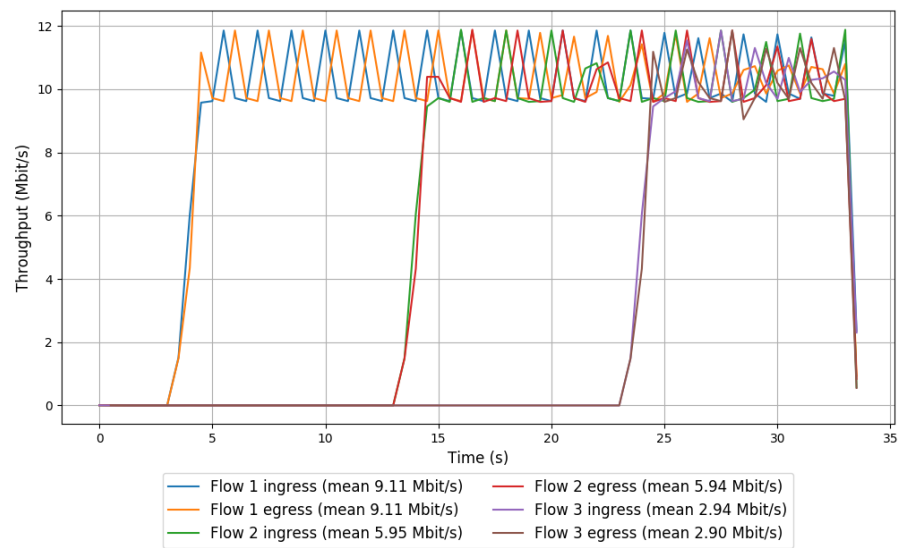
-- Flow 3:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 31.291 ms

Loss rate: 1.53%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:10:40 +0000

End at: Tue, 04 Jul 2017 23:11:10 +0000

Local clock offset: 0.302 ms

Remote clock offset: -28.306 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.86 Mbit/s

95th percentile per-packet one-way delay: 29.922 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 9.02 Mbit/s

95th percentile per-packet one-way delay: 29.970 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 6.02 Mbit/s

95th percentile per-packet one-way delay: 29.795 ms

Loss rate: 0.64%

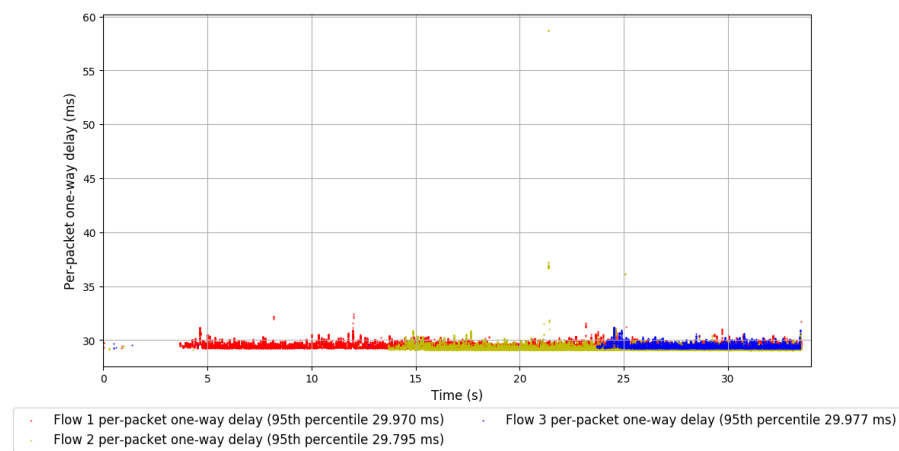
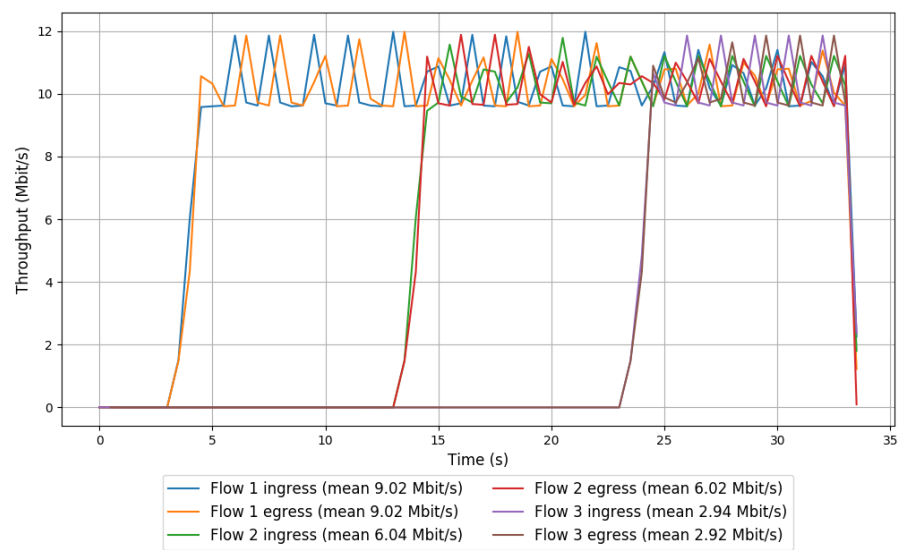
-- Flow 3:

Average throughput: 2.92 Mbit/s

95th percentile per-packet one-way delay: 29.977 ms

Loss rate: 1.23%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:29:07 +0000

End at: Tue, 04 Jul 2017 23:29:37 +0000

Local clock offset: 0.31 ms

Remote clock offset: -30.105 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.85 Mbit/s

95th percentile per-packet one-way delay: 28.389 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 8.98 Mbit/s

95th percentile per-packet one-way delay: 28.551 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 6.05 Mbit/s

95th percentile per-packet one-way delay: 27.752 ms

Loss rate: 0.59%

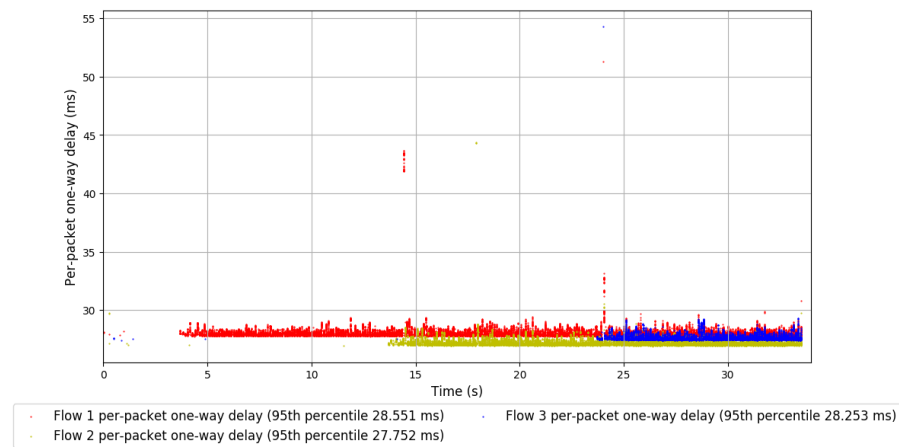
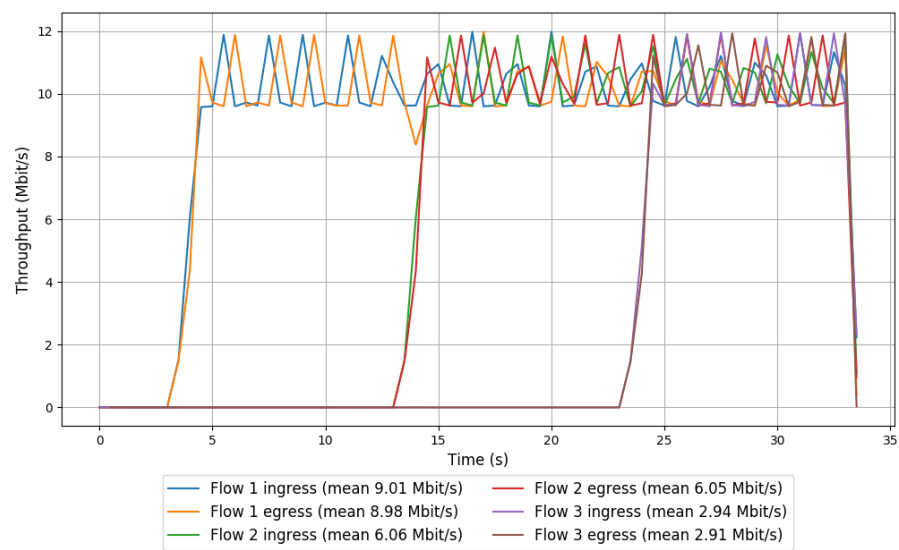
-- Flow 3:

Average throughput: 2.91 Mbit/s

95th percentile per-packet one-way delay: 28.253 ms

Loss rate: 1.22%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:47:45 +0000

End at: Tue, 04 Jul 2017 23:48:15 +0000

Local clock offset: 0.335 ms

Remote clock offset: -31.301 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.79 Mbit/s

95th percentile per-packet one-way delay: 27.851 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 9.01 Mbit/s

95th percentile per-packet one-way delay: 28.061 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 5.97 Mbit/s

95th percentile per-packet one-way delay: 27.295 ms

Loss rate: 0.60%

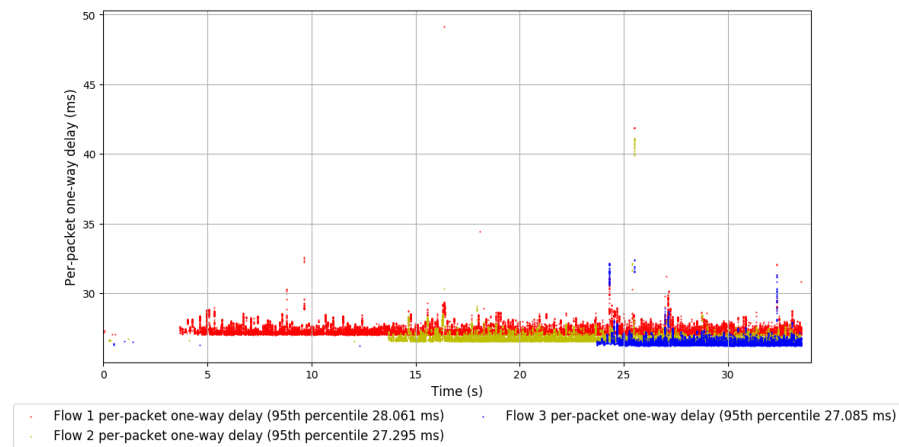
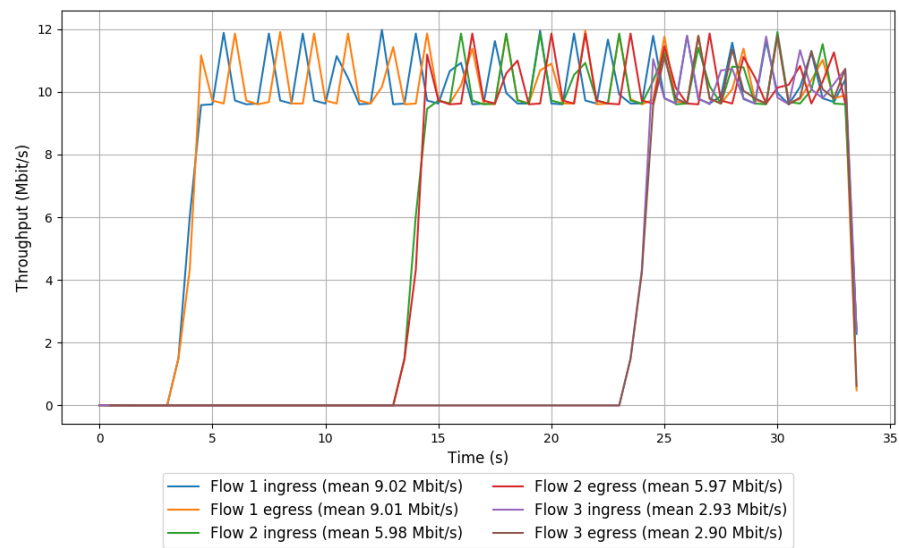
-- Flow 3:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 27.085 ms

Loss rate: 1.26%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 00:06:01 +0000

End at: Wed, 05 Jul 2017 00:06:31 +0000

Local clock offset: 0.353 ms

Remote clock offset: -32.527 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.82 Mbit/s

95th percentile per-packet one-way delay: 26.306 ms

Loss rate: 0.61%

-- Flow 1:

Average throughput: 9.00 Mbit/s

95th percentile per-packet one-way delay: 26.363 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 5.96 Mbit/s

95th percentile per-packet one-way delay: 26.328 ms

Loss rate: 0.60%

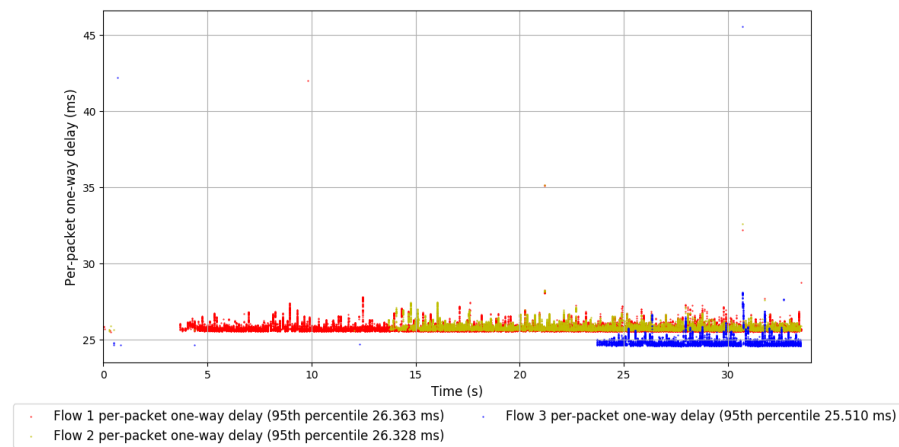
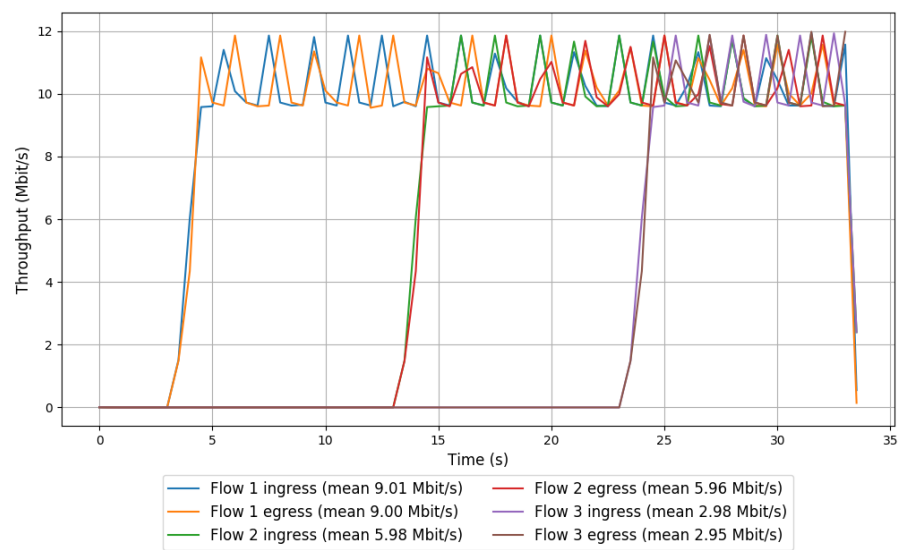
-- Flow 3:

Average throughput: 2.95 Mbit/s

95th percentile per-packet one-way delay: 25.510 ms

Loss rate: 1.22%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 00:24:33 +0000

End at: Wed, 05 Jul 2017 00:25:03 +0000

Local clock offset: 0.342 ms

Remote clock offset: -33.038 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.97 Mbit/s

95th percentile per-packet one-way delay: 25.826 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 25.912 ms

Loss rate: 0.50%

-- Flow 2:

Average throughput: 6.06 Mbit/s

95th percentile per-packet one-way delay: 25.844 ms

Loss rate: 0.59%

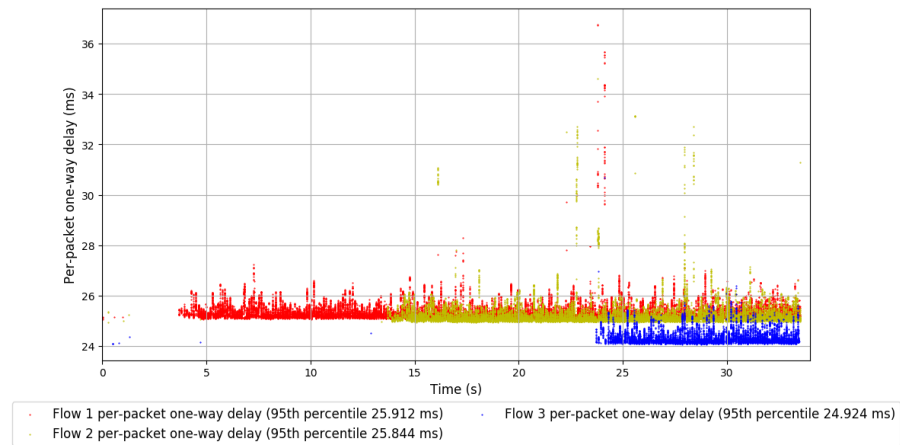
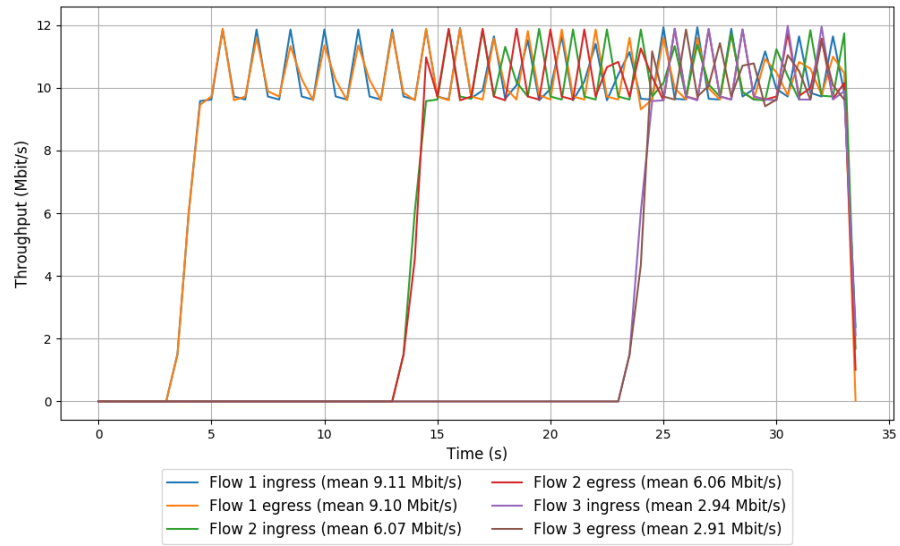
-- Flow 3:

Average throughput: 2.91 Mbit/s

95th percentile per-packet one-way delay: 24.924 ms

Loss rate: 1.39%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 00:42:56 +0000

End at: Wed, 05 Jul 2017 00:43:26 +0000

Local clock offset: 0.371 ms

Remote clock offset: -33.089 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.75 Mbit/s

95th percentile per-packet one-way delay: 25.701 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 9.00 Mbit/s

95th percentile per-packet one-way delay: 25.601 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 5.97 Mbit/s

95th percentile per-packet one-way delay: 25.596 ms

Loss rate: 0.60%

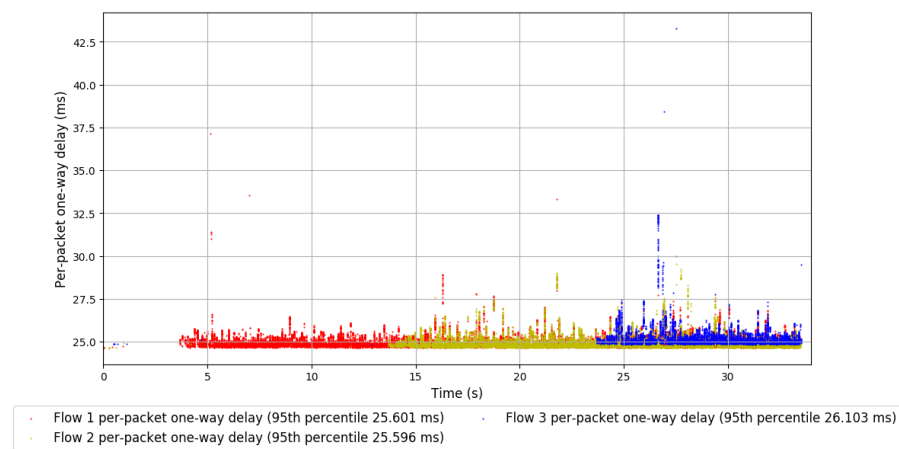
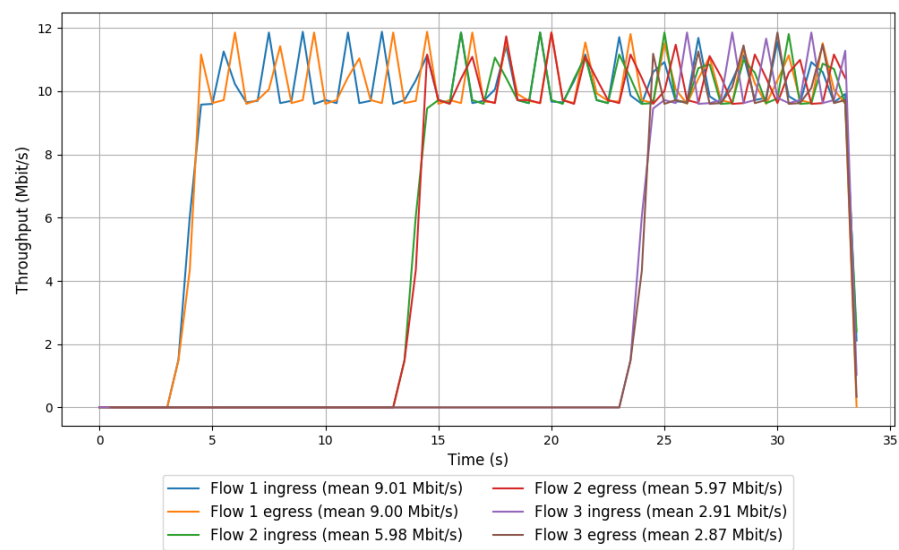
-- Flow 3:

Average throughput: 2.87 Mbit/s

95th percentile per-packet one-way delay: 26.103 ms

Loss rate: 1.54%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:51:34 +0000

End at: Tue, 04 Jul 2017 21:52:04 +0000

Local clock offset: 0.255 ms

Remote clock offset: -23.221 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.95 Mbit/s

95th percentile per-packet one-way delay: 37.664 ms

Loss rate: 1.15%

-- Flow 1:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 36.542 ms

Loss rate: 0.71%

-- Flow 2:

Average throughput: 4.53 Mbit/s

95th percentile per-packet one-way delay: 38.517 ms

Loss rate: 1.64%

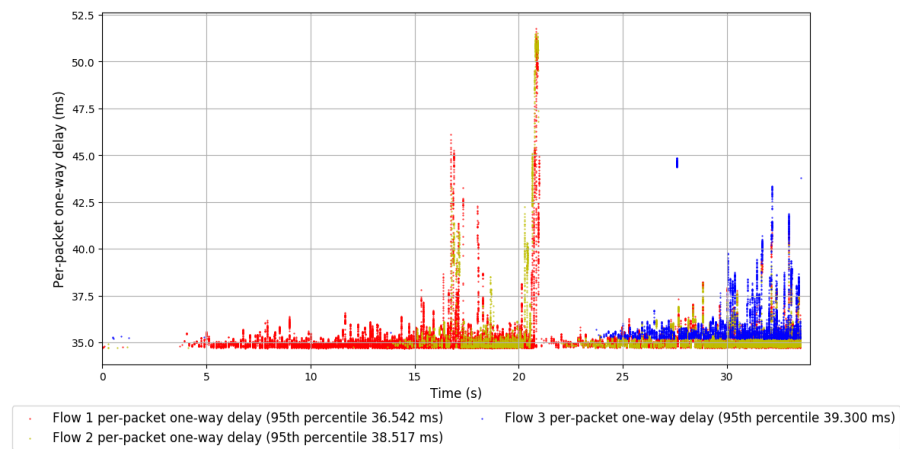
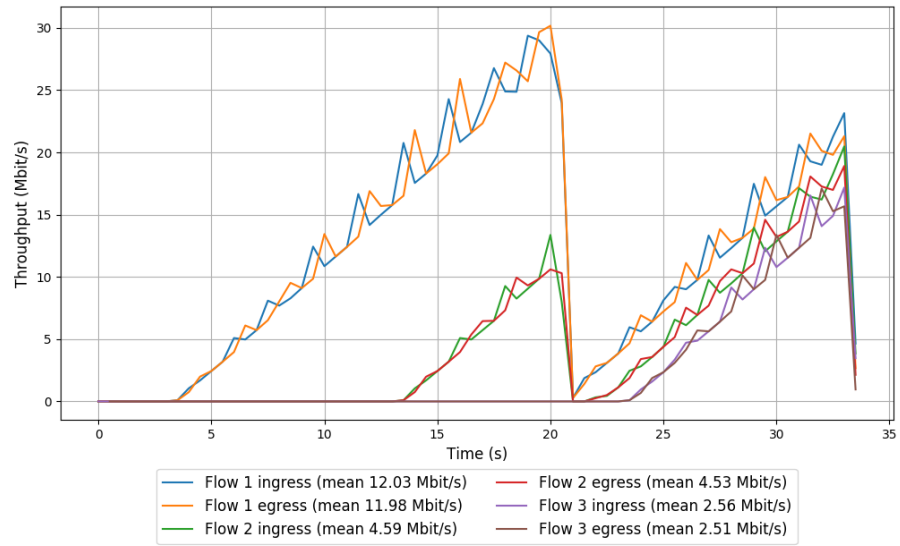
-- Flow 3:

Average throughput: 2.51 Mbit/s

95th percentile per-packet one-way delay: 39.300 ms

Loss rate: 2.37%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:10:06 +0000

End at: Tue, 04 Jul 2017 22:10:36 +0000

Local clock offset: 0.258 ms

Remote clock offset: -23.449 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 20.92 Mbit/s

95th percentile per-packet one-way delay: 35.802 ms

Loss rate: 0.94%

-- Flow 1:

Average throughput: 11.84 Mbit/s

95th percentile per-packet one-way delay: 35.664 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 6.67 Mbit/s

95th percentile per-packet one-way delay: 35.983 ms

Loss rate: 1.15%

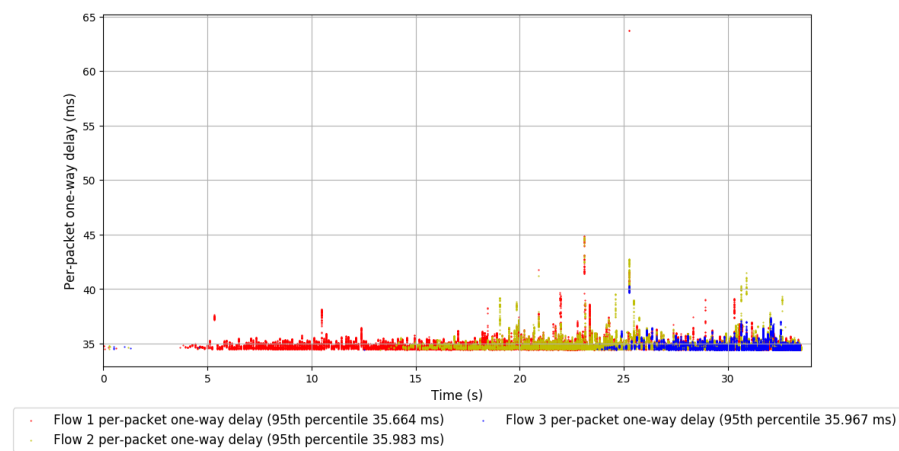
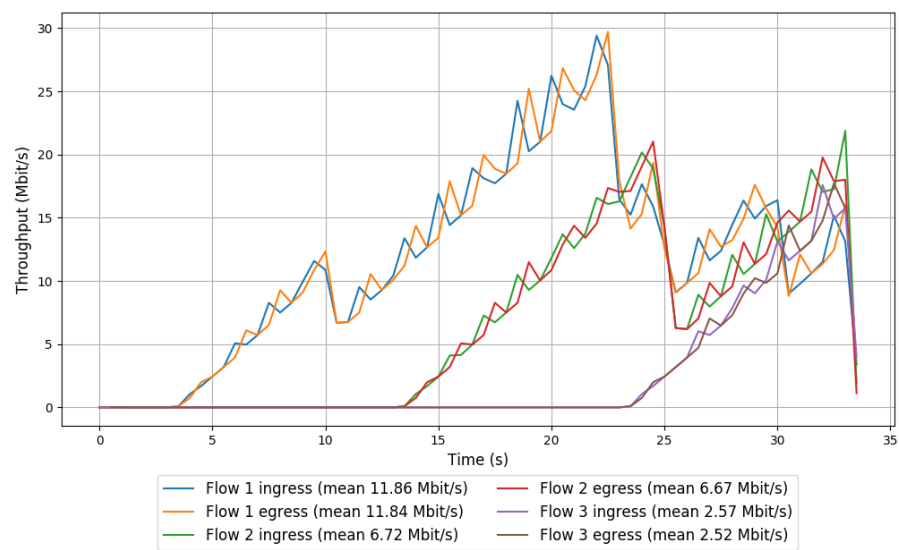
-- Flow 3:

Average throughput: 2.52 Mbit/s

95th percentile per-packet one-way delay: 35.967 ms

Loss rate: 2.39%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:28:32 +0000

End at: Tue, 04 Jul 2017 22:29:02 +0000

Local clock offset: 0.326 ms

Remote clock offset: -25.28 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.80 Mbit/s

95th percentile per-packet one-way delay: 33.483 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 11.52 Mbit/s

95th percentile per-packet one-way delay: 33.186 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 5.77 Mbit/s

95th percentile per-packet one-way delay: 33.450 ms

Loss rate: 0.90%

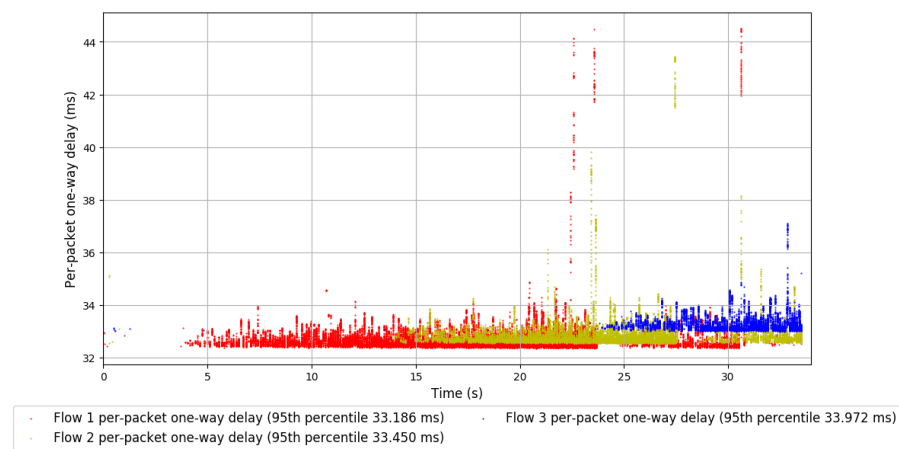
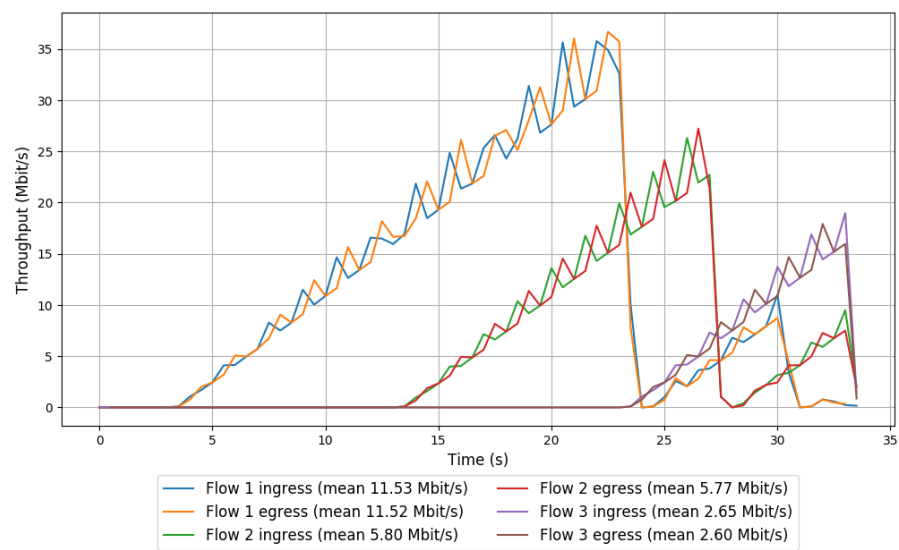
-- Flow 3:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 33.972 ms

Loss rate: 2.03%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:47:01 +0000

End at: Tue, 04 Jul 2017 22:47:31 +0000

Local clock offset: 0.312 ms

Remote clock offset: -26.63 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.15 Mbit/s

95th percentile per-packet one-way delay: 32.797 ms

Loss rate: 1.38%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 5041.903 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 10.16 Mbit/s

95th percentile per-packet one-way delay: 32.834 ms

Loss rate: 1.26%

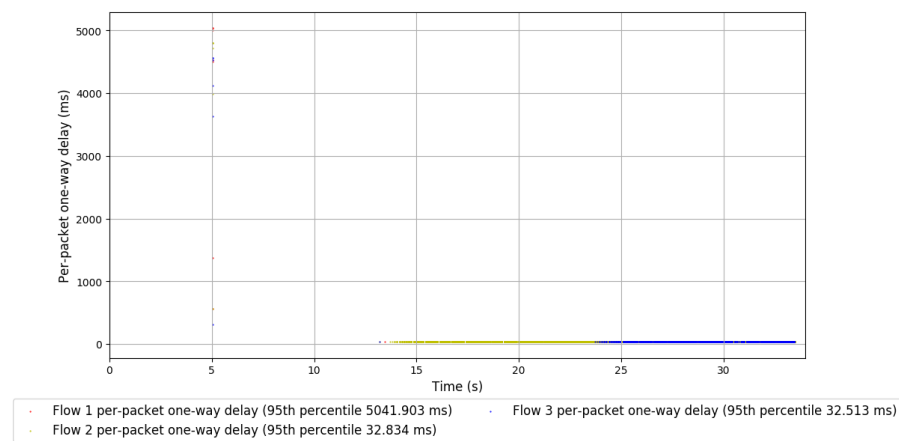
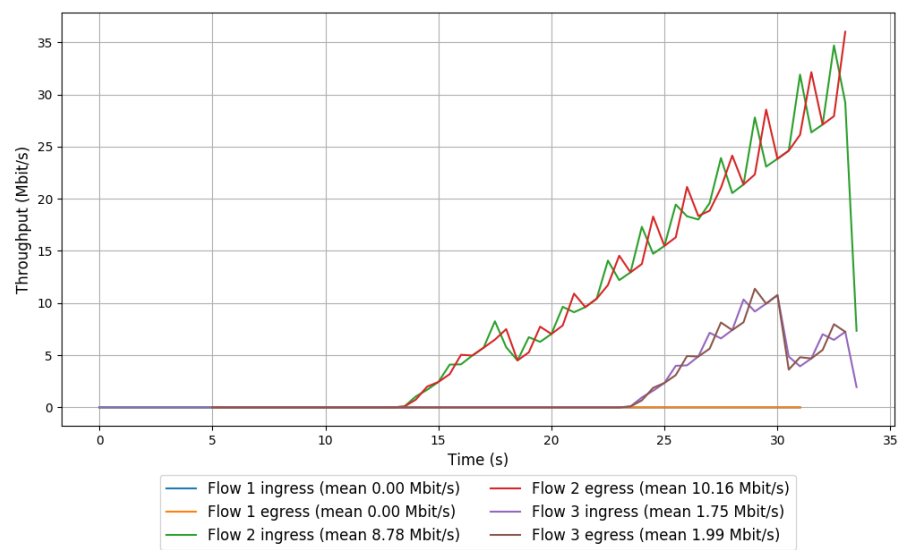
-- Flow 3:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 32.513 ms

Loss rate: 2.01%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:05:30 +0000

End at: Tue, 04 Jul 2017 23:06:00 +0000

Local clock offset: 0.298 ms

Remote clock offset: -28.594 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 23.55 Mbit/s

95th percentile per-packet one-way delay: 30.783 ms

Loss rate: 0.47%

-- Flow 1:

Average throughput: 12.55 Mbit/s

95th percentile per-packet one-way delay: 30.711 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 31.040 ms

Loss rate: 0.45%

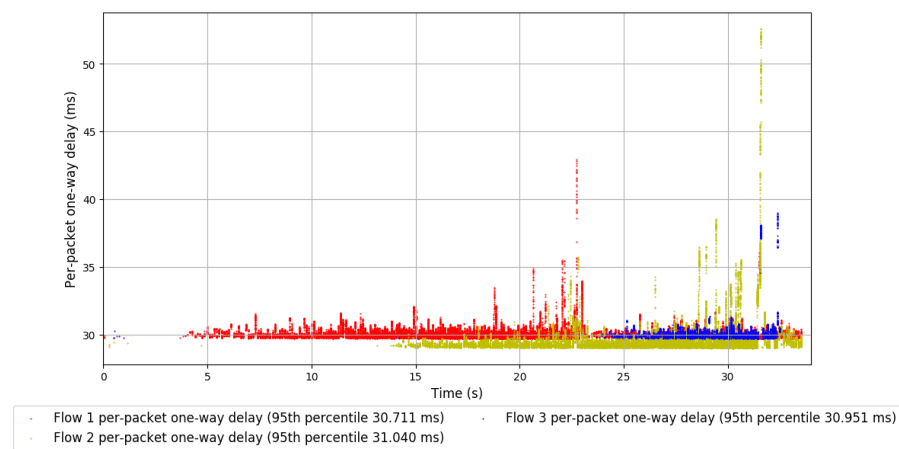
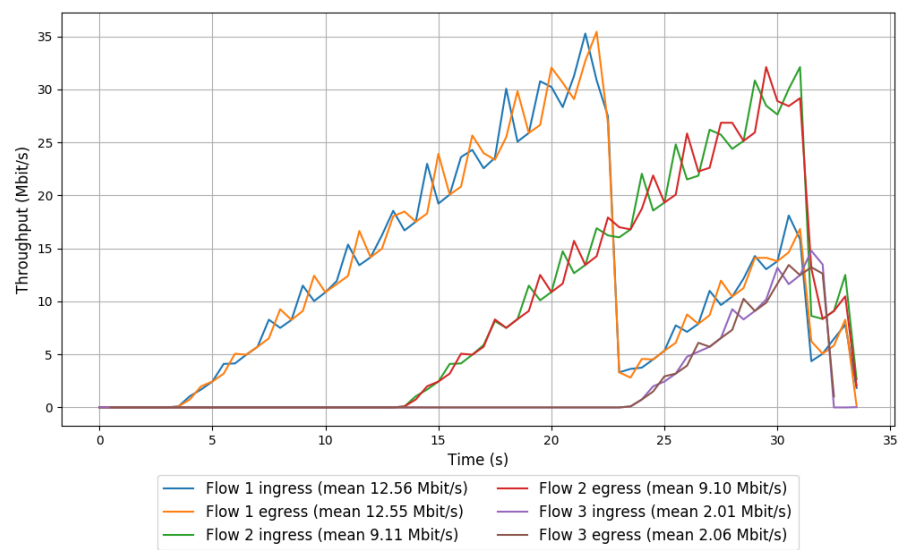
-- Flow 3:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 30.951 ms

Loss rate: 1.06%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:24:09 +0000

End at: Tue, 04 Jul 2017 23:24:39 +0000

Local clock offset: 0.197 ms

Remote clock offset: -30.406 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.86 Mbit/s

95th percentile per-packet one-way delay: 28.815 ms

Loss rate: 0.87%

-- Flow 1:

Average throughput: 13.93 Mbit/s

95th percentile per-packet one-way delay: 28.282 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 10.49 Mbit/s

95th percentile per-packet one-way delay: 28.757 ms

Loss rate: 1.14%

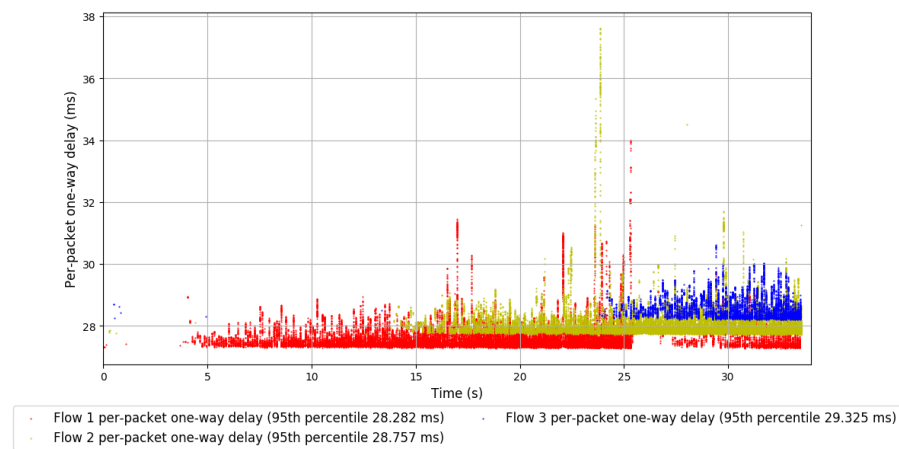
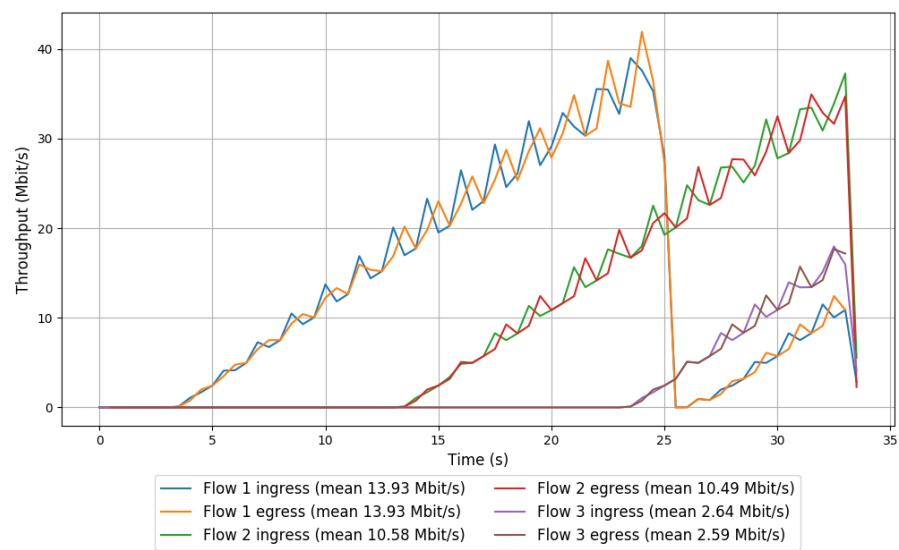
-- Flow 3:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 29.325 ms

Loss rate: 2.36%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:42:46 +0000

End at: Tue, 04 Jul 2017 23:43:16 +0000

Local clock offset: 0.26 ms

Remote clock offset: -30.788 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 24.09 Mbit/s

95th percentile per-packet one-way delay: 28.271 ms

Loss rate: 0.48%

-- Flow 1:

Average throughput: 13.75 Mbit/s

95th percentile per-packet one-way delay: 28.163 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 9.06 Mbit/s

95th percentile per-packet one-way delay: 28.381 ms

Loss rate: 0.36%

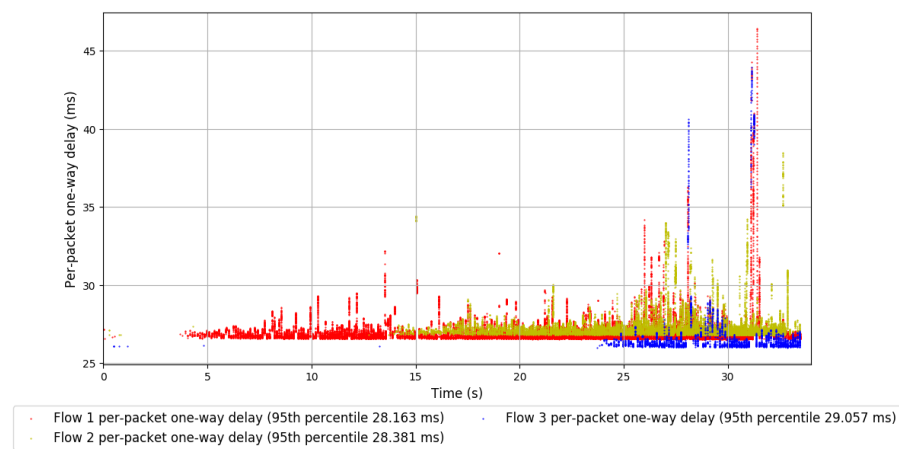
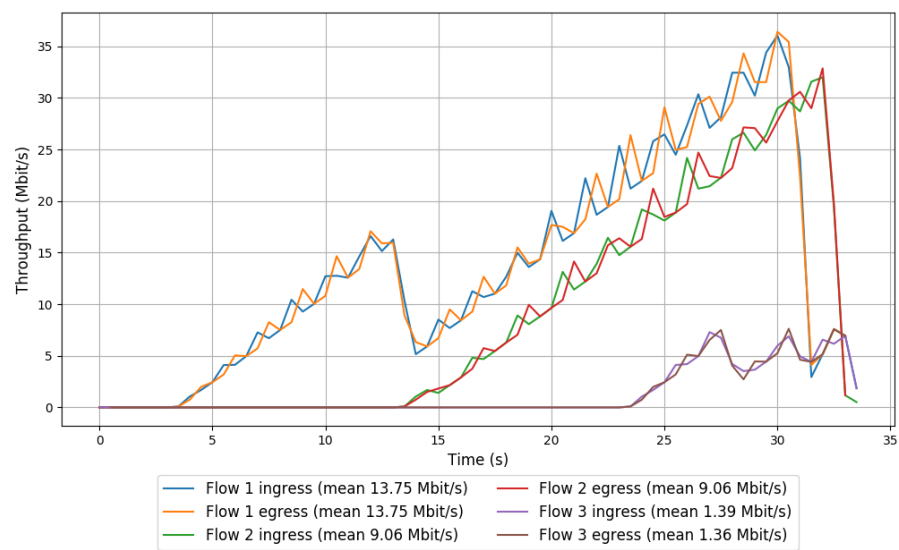
-- Flow 3:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 29.057 ms

Loss rate: 2.54%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

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

End at: Wed, 05 Jul 2017 00:01:35 +0000

Local clock offset: 0.354 ms

Remote clock offset: -32.303 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.57 Mbit/s

95th percentile per-packet one-way delay: 26.949 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 9.79 Mbit/s

95th percentile per-packet one-way delay: 26.633 ms

Loss rate: 1.04%

-- Flow 2:

Average throughput: 5.34 Mbit/s

95th percentile per-packet one-way delay: 27.273 ms

Loss rate: 1.20%

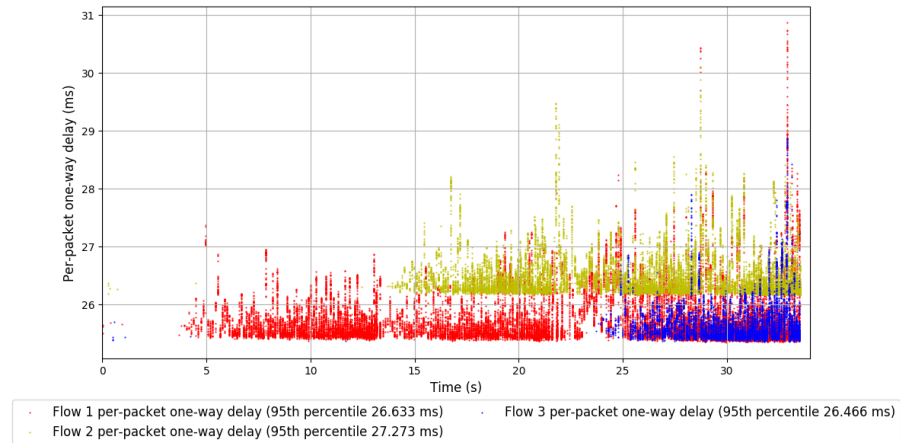
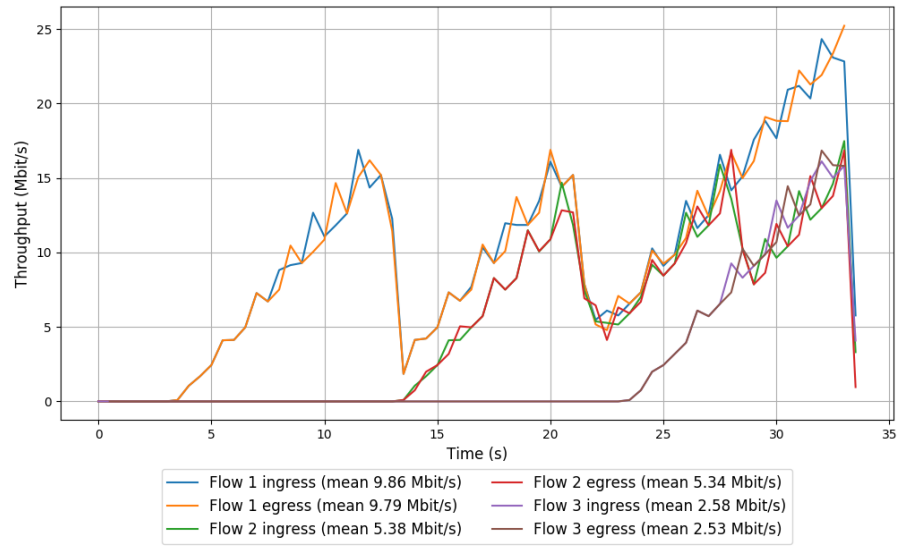
-- Flow 3:

Average throughput: 2.53 Mbit/s

95th percentile per-packet one-way delay: 26.466 ms

Loss rate: 2.39%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 00:19:24 +0000

End at: Wed, 05 Jul 2017 00:19:54 +0000

Local clock offset: 0.27 ms

Remote clock offset: -32.521 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.06 Mbit/s

95th percentile per-packet one-way delay: 26.410 ms

Loss rate: 0.91%

-- Flow 1:

Average throughput: 14.56 Mbit/s

95th percentile per-packet one-way delay: 26.306 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 10.55 Mbit/s

95th percentile per-packet one-way delay: 26.576 ms

Loss rate: 1.16%

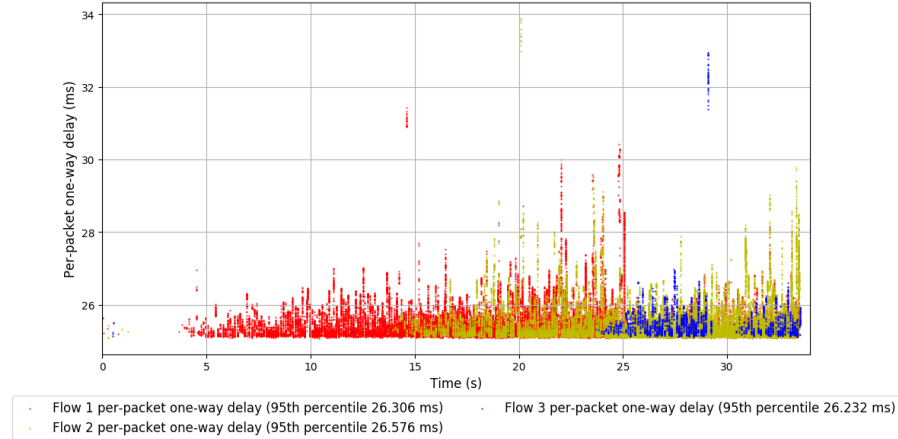
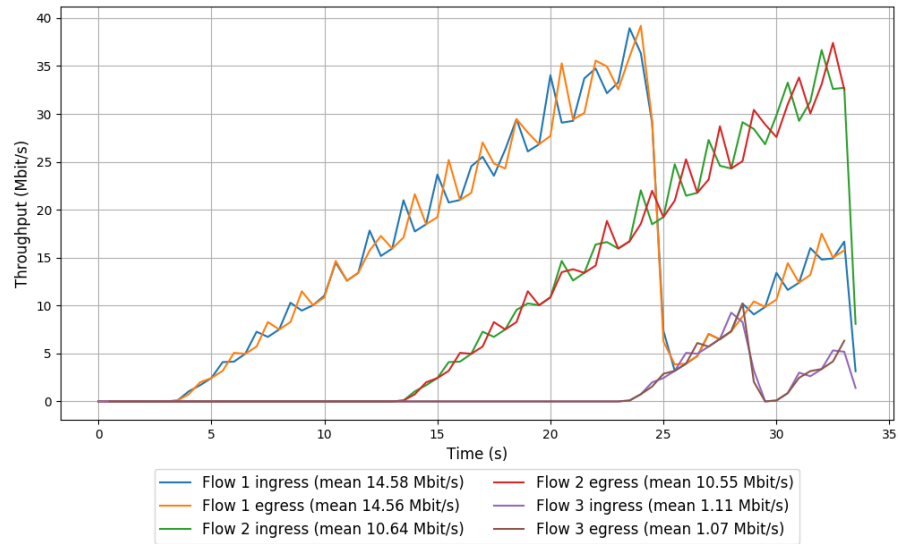
-- Flow 3:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 26.232 ms

Loss rate: 3.55%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 00:37:54 +0000

End at: Wed, 05 Jul 2017 00:38:24 +0000

Local clock offset: 0.344 ms

Remote clock offset: -32.952 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.85 Mbit/s

95th percentile per-packet one-way delay: 25.358 ms

Loss rate: 1.03%

-- Flow 1:

Average throughput: 10.06 Mbit/s

95th percentile per-packet one-way delay: 24.944 ms

Loss rate: 0.93%

-- Flow 2:

Average throughput: 6.28 Mbit/s

95th percentile per-packet one-way delay: 25.752 ms

Loss rate: 0.65%

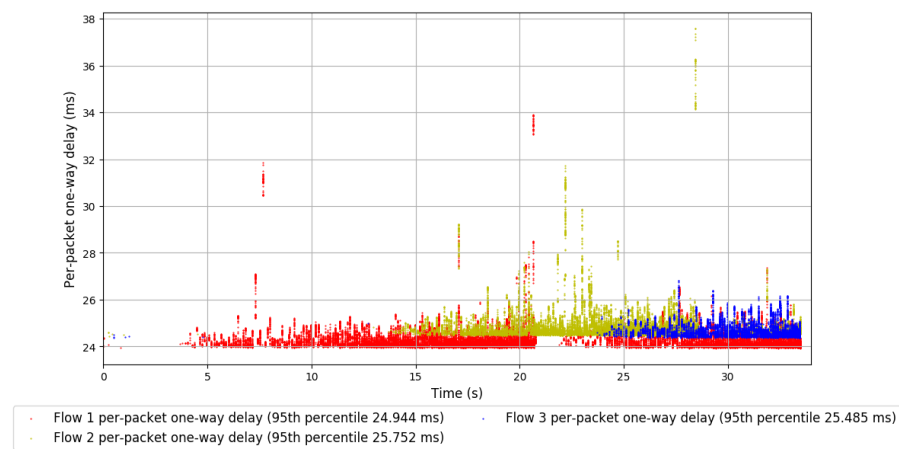
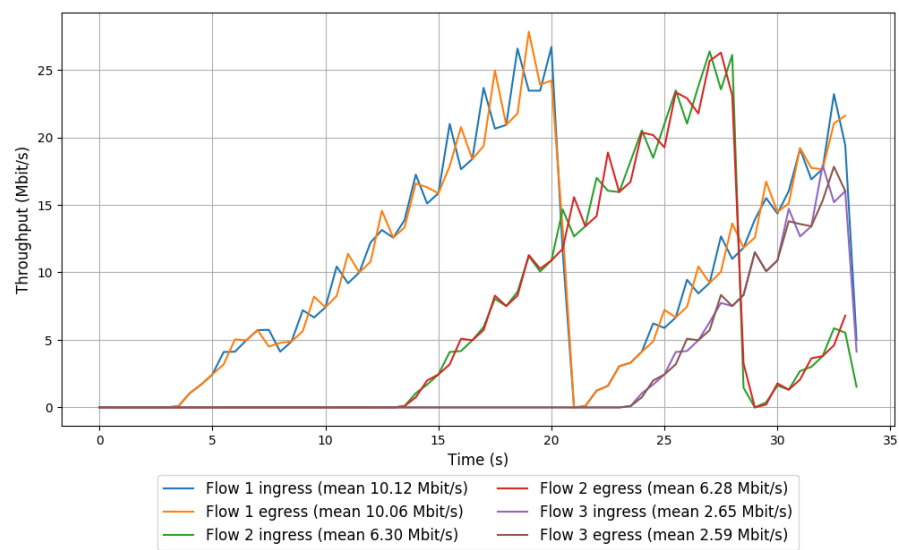
-- Flow 3:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 25.485 ms

Loss rate: 2.36%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:00:15 +0000

End at: Tue, 04 Jul 2017 22:00:45 +0000

Local clock offset: 0.338 ms

Remote clock offset: -22.747 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.81 Mbit/s

95th percentile per-packet one-way delay: 52.480 ms

Loss rate: 8.63%

-- Flow 1:

Average throughput: 43.47 Mbit/s

95th percentile per-packet one-way delay: 52.505 ms

Loss rate: 9.25%

-- Flow 2:

Average throughput: 18.20 Mbit/s

95th percentile per-packet one-way delay: 51.774 ms

Loss rate: 6.72%

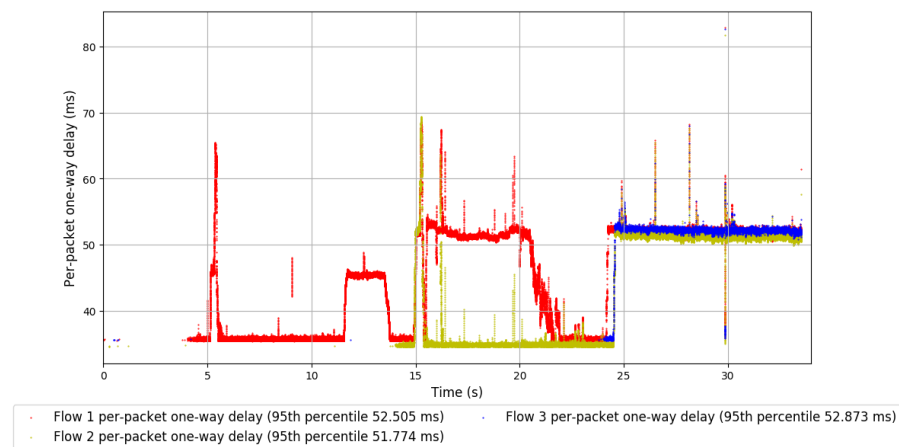
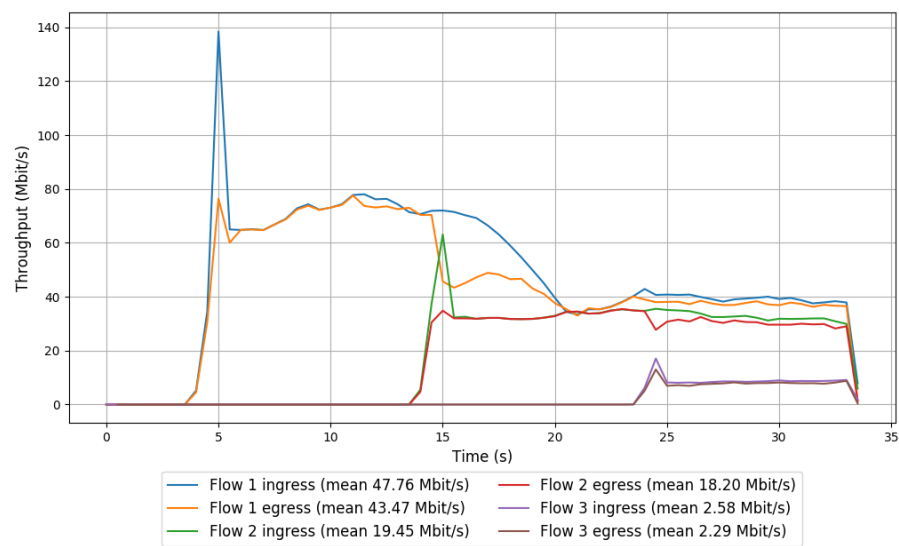
-- Flow 3:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 52.873 ms

Loss rate: 11.40%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:18:50 +0000

End at: Tue, 04 Jul 2017 22:19:20 +0000

Local clock offset: 0.325 ms

Remote clock offset: -24.16 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.29 Mbit/s

95th percentile per-packet one-way delay: 50.545 ms

Loss rate: 9.06%

-- Flow 1:

Average throughput: 49.80 Mbit/s

95th percentile per-packet one-way delay: 50.379 ms

Loss rate: 8.83%

-- Flow 2:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 51.018 ms

Loss rate: 15.53%

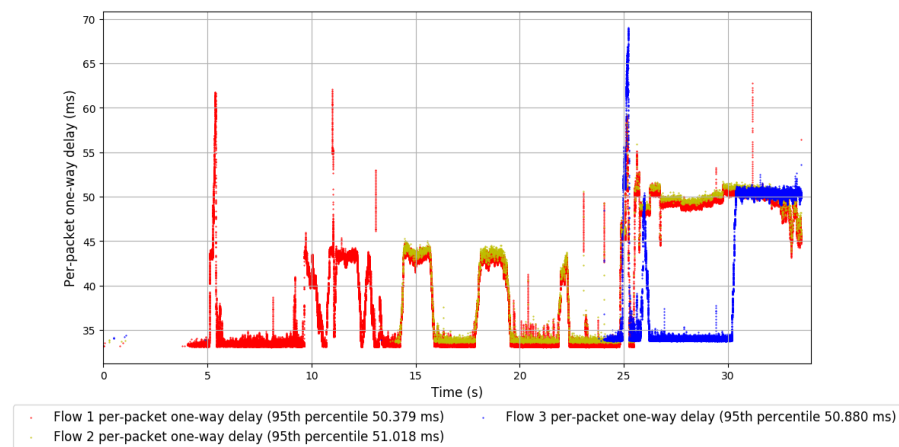
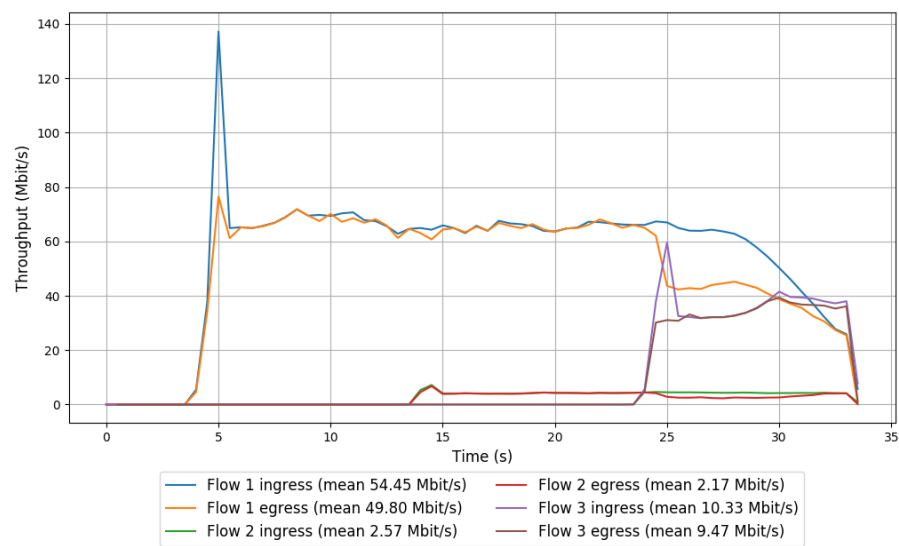
-- Flow 3:

Average throughput: 9.47 Mbit/s

95th percentile per-packet one-way delay: 50.880 ms

Loss rate: 8.69%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:37:15 +0000

End at: Tue, 04 Jul 2017 22:37:45 +0000

Local clock offset: 0.326 ms

Remote clock offset: -25.627 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.42 Mbit/s

95th percentile per-packet one-way delay: 49.207 ms

Loss rate: 7.72%

-- Flow 1:

Average throughput: 39.90 Mbit/s

95th percentile per-packet one-way delay: 49.592 ms

Loss rate: 8.66%

-- Flow 2:

Average throughput: 20.07 Mbit/s

95th percentile per-packet one-way delay: 42.360 ms

Loss rate: 5.79%

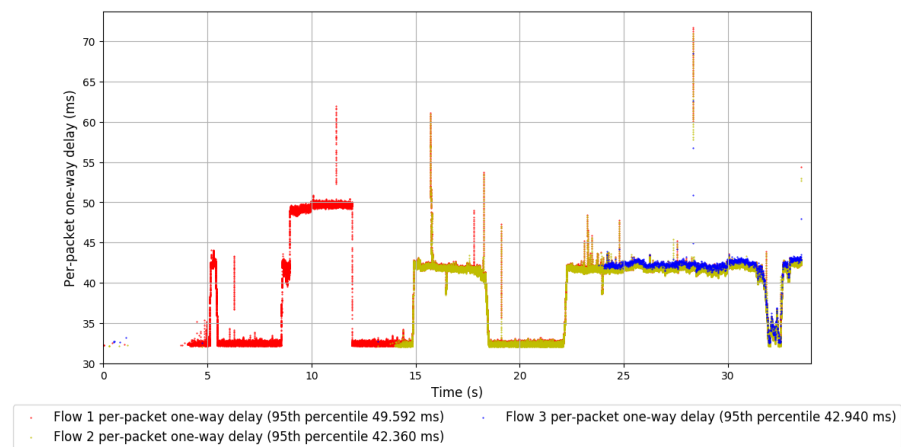
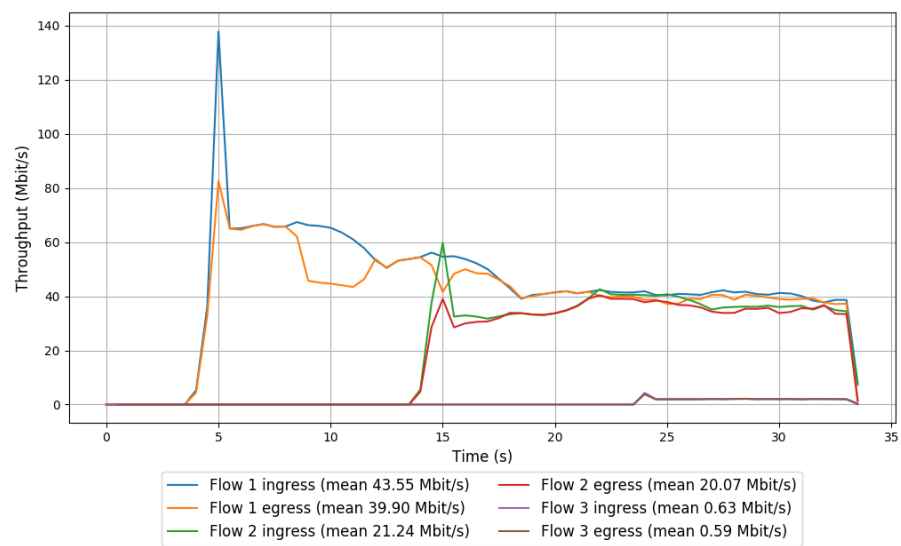
-- Flow 3:

Average throughput: 0.59 Mbit/s

95th percentile per-packet one-way delay: 42.940 ms

Loss rate: 6.93%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:55:45 +0000

End at: Tue, 04 Jul 2017 22:56:15 +0000

Local clock offset: 0.269 ms

Remote clock offset: -27.132 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.27 Mbit/s

95th percentile per-packet one-way delay: 47.551 ms

Loss rate: 6.68%

-- Flow 1:

Average throughput: 42.95 Mbit/s

95th percentile per-packet one-way delay: 47.655 ms

Loss rate: 8.01%

-- Flow 2:

Average throughput: 20.87 Mbit/s

95th percentile per-packet one-way delay: 47.290 ms

Loss rate: 3.87%

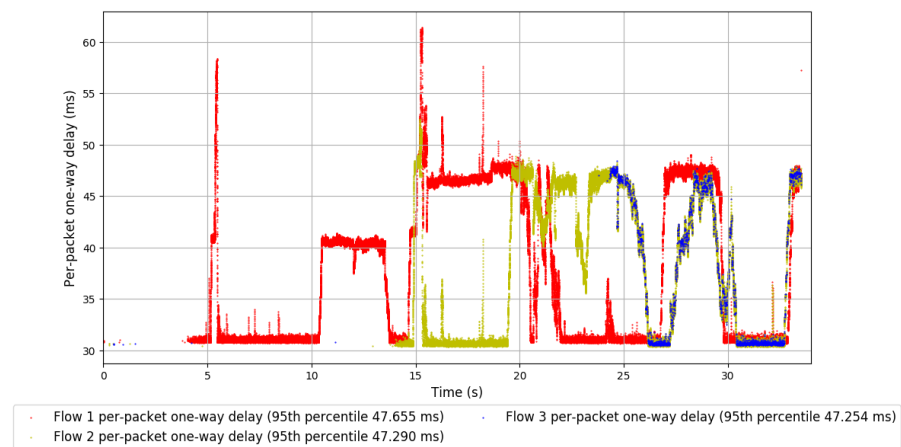
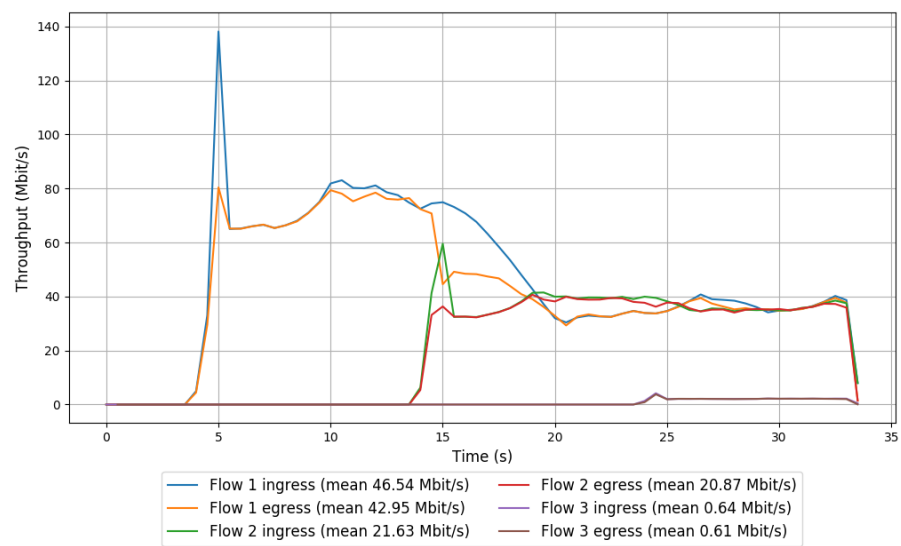
-- Flow 3:

Average throughput: 0.61 Mbit/s

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

Loss rate: 3.80%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:14:20 +0000

End at: Tue, 04 Jul 2017 23:14:50 +0000

Local clock offset: 0.264 ms

Remote clock offset: -29.241 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.83 Mbit/s

95th percentile per-packet one-way delay: 45.985 ms

Loss rate: 7.77%

-- Flow 1:

Average throughput: 43.38 Mbit/s

95th percentile per-packet one-way delay: 45.138 ms

Loss rate: 9.23%

-- Flow 2:

Average throughput: 19.42 Mbit/s

95th percentile per-packet one-way delay: 46.263 ms

Loss rate: 4.42%

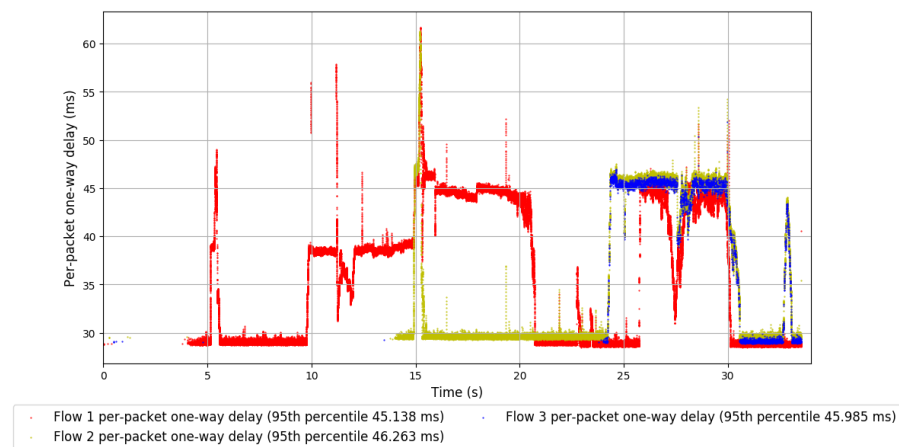
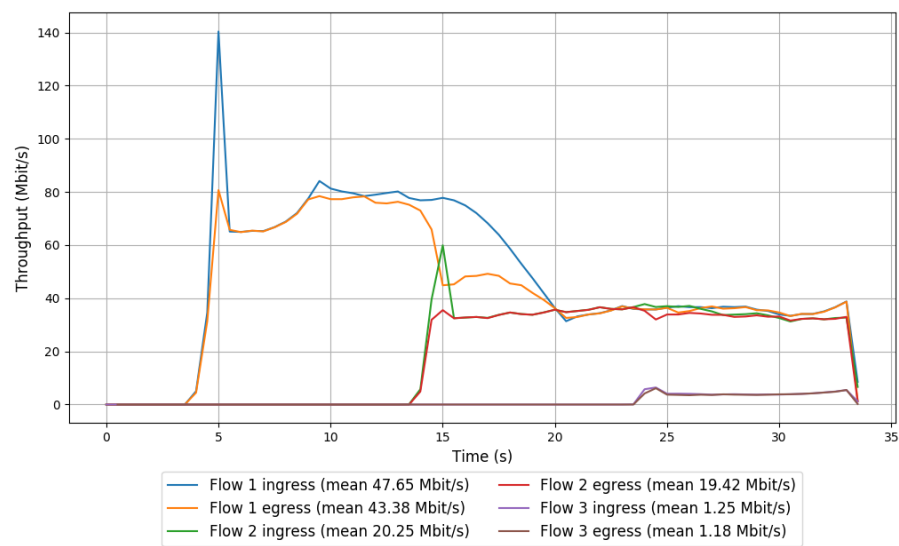
-- Flow 3:

Average throughput: 1.18 Mbit/s

95th percentile per-packet one-way delay: 45.985 ms

Loss rate: 6.04%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:32:47 +0000

End at: Tue, 04 Jul 2017 23:33:17 +0000

Local clock offset: 0.275 ms

Remote clock offset: -30.288 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.86 Mbit/s

95th percentile per-packet one-way delay: 44.562 ms

Loss rate: 12.47%

-- Flow 1:

Average throughput: 46.11 Mbit/s

95th percentile per-packet one-way delay: 44.581 ms

Loss rate: 15.66%

-- Flow 2:

Average throughput: 19.67 Mbit/s

95th percentile per-packet one-way delay: 44.476 ms

Loss rate: 4.48%

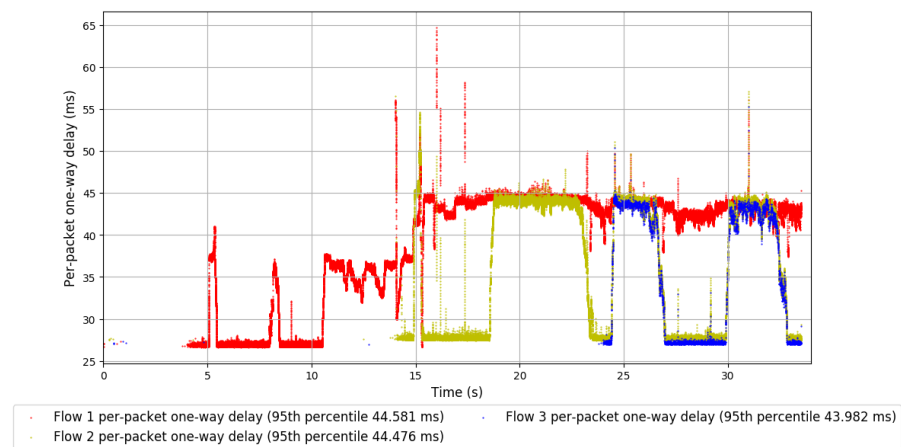
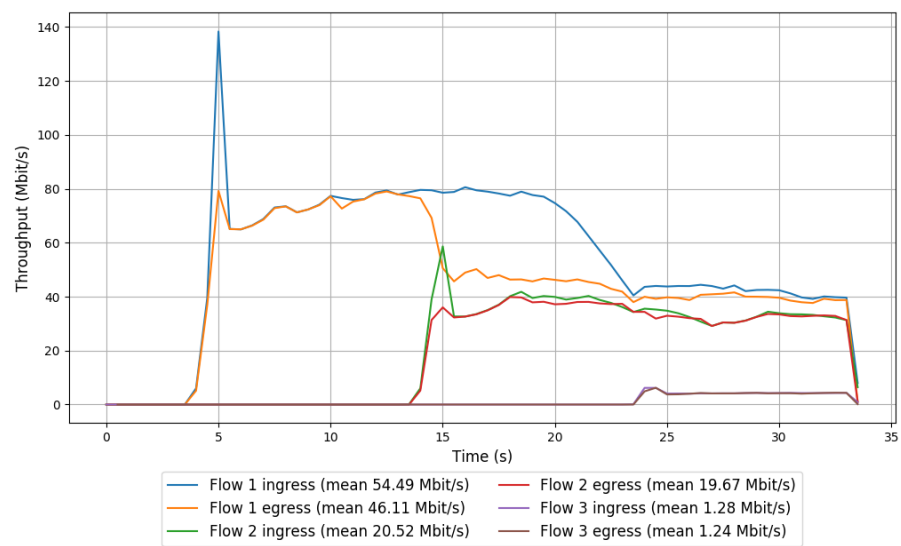
-- Flow 3:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 43.982 ms

Loss rate: 3.64%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

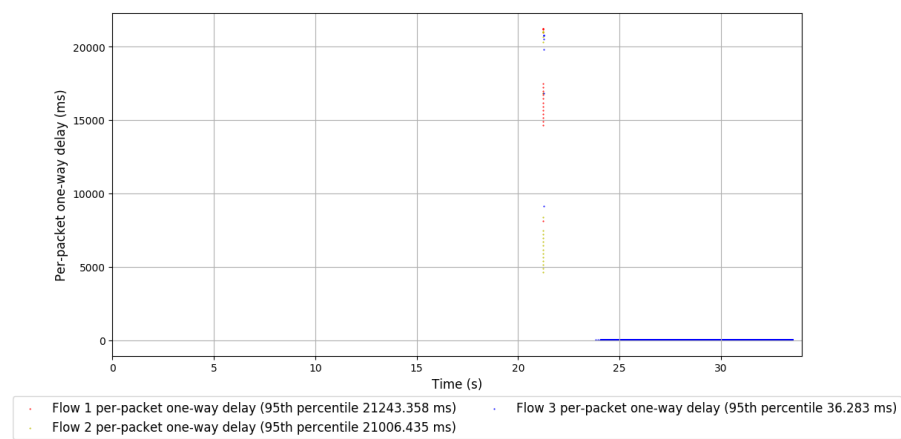
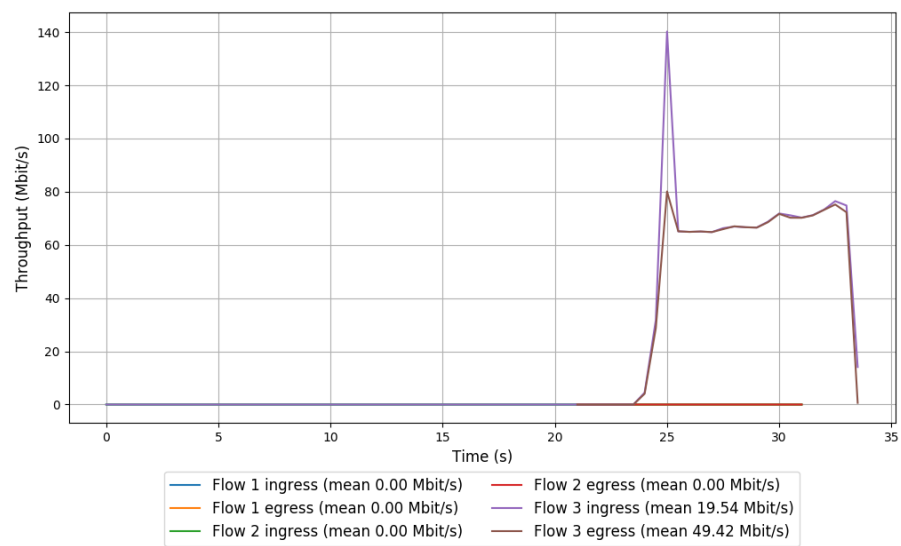
Start at: Tue, 04 Jul 2017 23:51:26 +0000

End at: Tue, 04 Jul 2017 23:51:56 +0000

Local clock offset: 0.275 ms

Remote clock offset: -31.256 ms

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

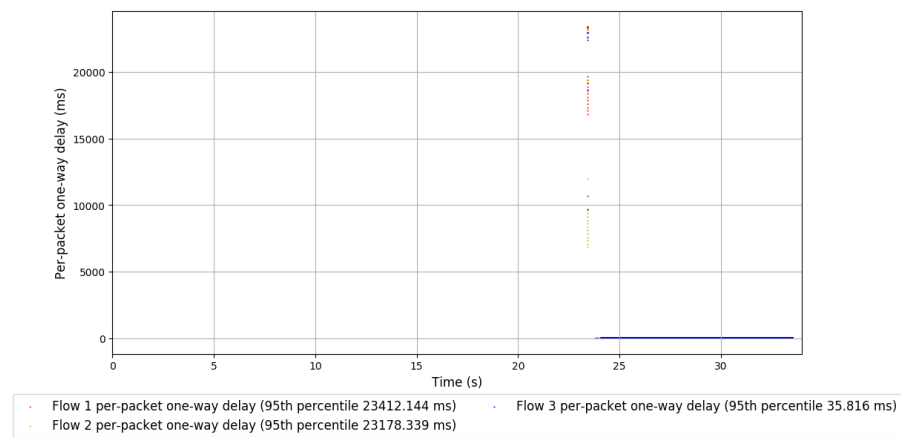
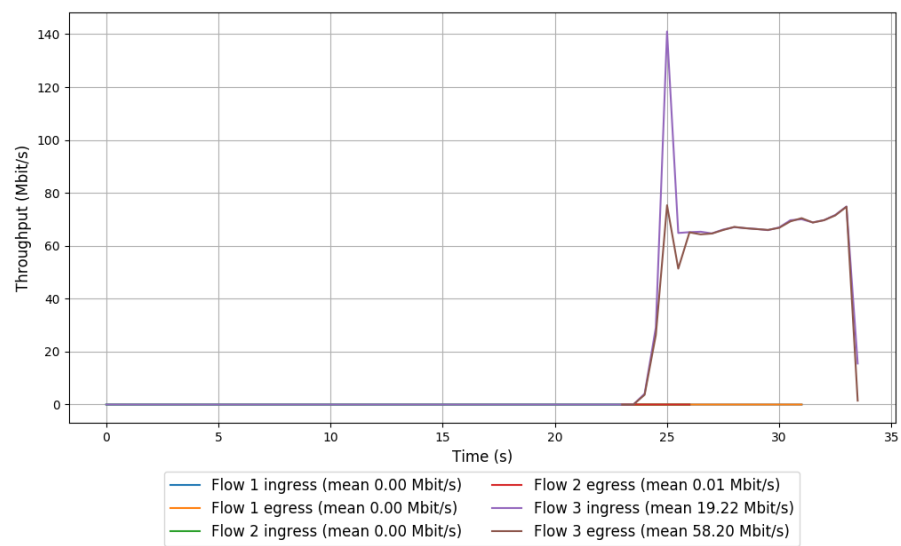
Start at: Wed, 05 Jul 2017 00:09:41 +0000

End at: Wed, 05 Jul 2017 00:10:11 +0000

Local clock offset: 0.341 ms

Remote clock offset: -32.733 ms

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

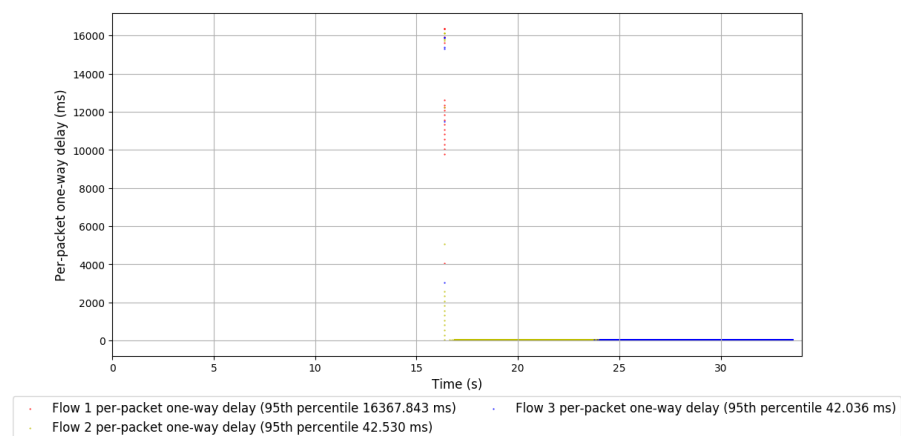
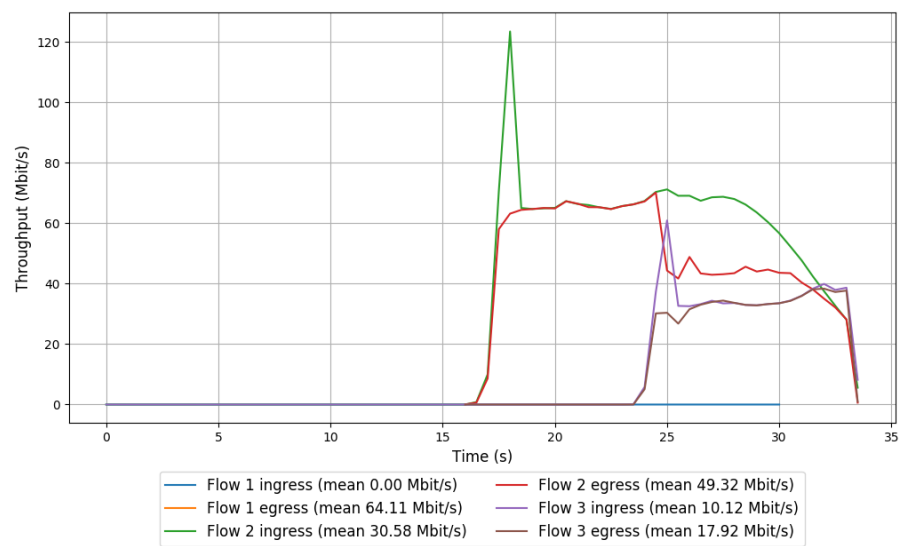
Start at: Wed, 05 Jul 2017 00:28:14 +0000

End at: Wed, 05 Jul 2017 00:28:44 +0000

Local clock offset: 0.335 ms

Remote clock offset: -32.895 ms

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

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

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

Local clock offset: 0.356 ms

Remote clock offset: -33.14 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.24 Mbit/s

95th percentile per-packet one-way delay: 41.564 ms

Loss rate: 11.52%

-- Flow 1:

Average throughput: 41.90 Mbit/s

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

Loss rate: 12.88%

-- Flow 2:

Average throughput: 20.39 Mbit/s

95th percentile per-packet one-way delay: 41.406 ms

Loss rate: 8.31%

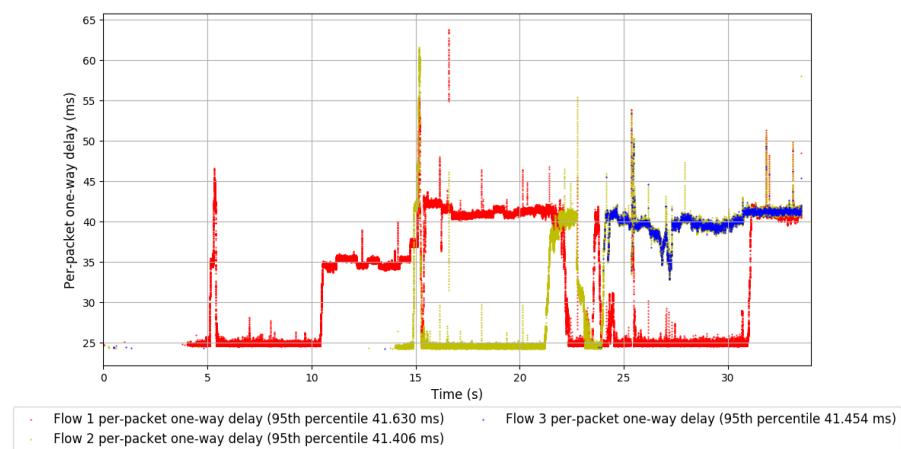
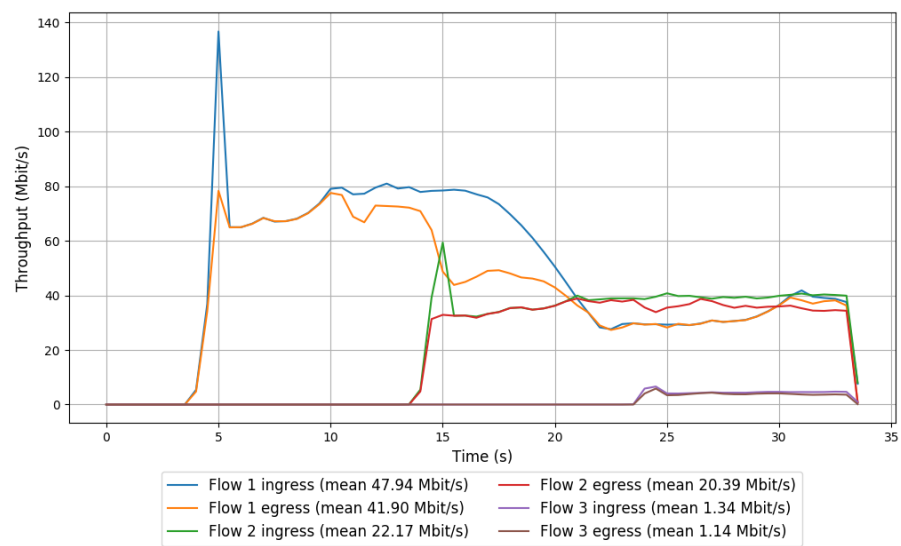
-- Flow 3:

Average throughput: 1.14 Mbit/s

95th percentile per-packet one-way delay: 41.454 ms

Loss rate: 15.74%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 21:45:32 +0000

End at: Tue, 04 Jul 2017 21:46:02 +0000

Local clock offset: 0.332 ms

Remote clock offset: -23.583 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 28.17 Mbit/s

95th percentile per-packet one-way delay: 44.238 ms

Loss rate: 2.98%

-- Flow 1:

Average throughput: 17.67 Mbit/s

95th percentile per-packet one-way delay: 44.704 ms

Loss rate: 4.78%

-- Flow 2:

Average throughput: 15.51 Mbit/s

95th percentile per-packet one-way delay: 39.659 ms

Loss rate: 1.16%

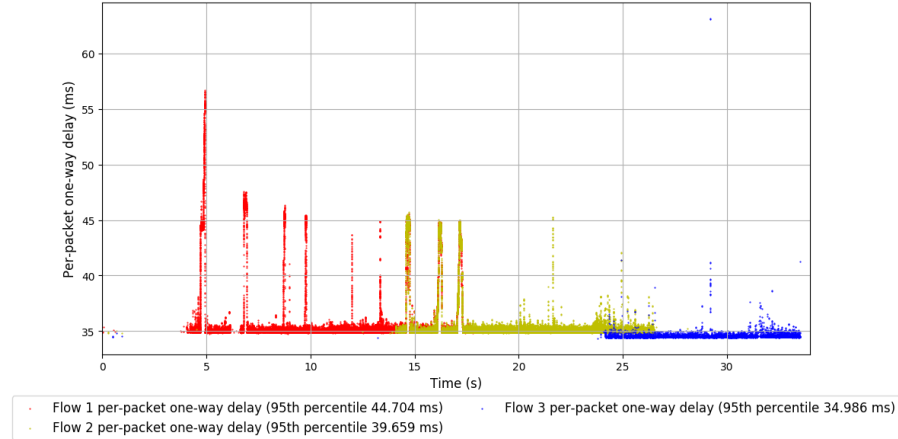
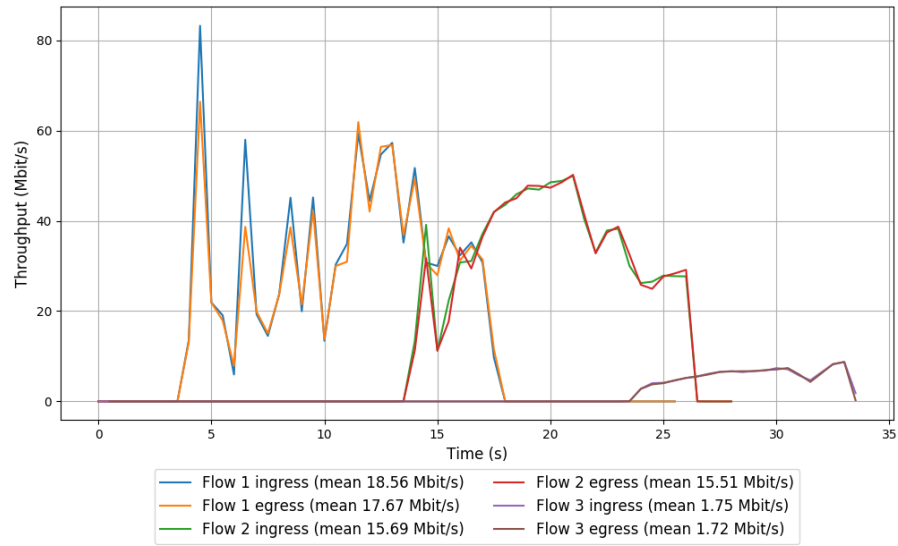
-- Flow 3:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 34.986 ms

Loss rate: 1.97%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 22:03:56 +0000

End at: Tue, 04 Jul 2017 22:04:26 +0000

Local clock offset: 0.314 ms

Remote clock offset: -22.24 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.86 Mbit/s

95th percentile per-packet one-way delay: 43.731 ms

Loss rate: 2.88%

-- Flow 1:

Average throughput: 17.07 Mbit/s

95th percentile per-packet one-way delay: 43.566 ms

Loss rate: 2.88%

-- Flow 2:

Average throughput: 14.83 Mbit/s

95th percentile per-packet one-way delay: 40.853 ms

Loss rate: 1.58%

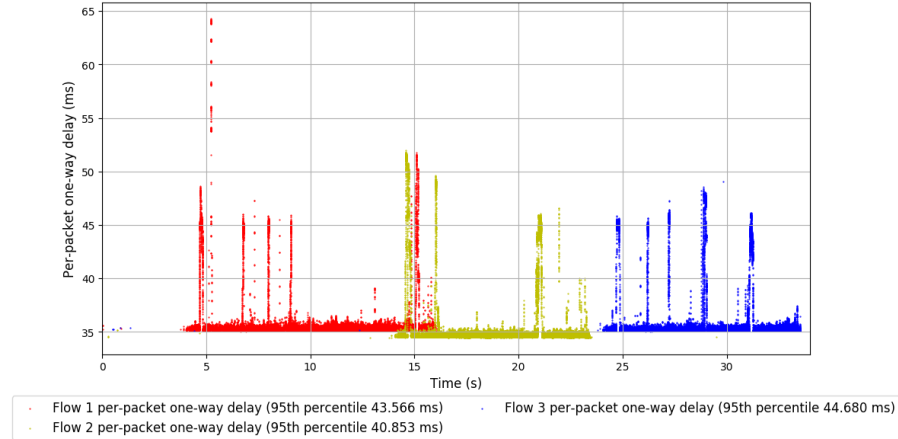
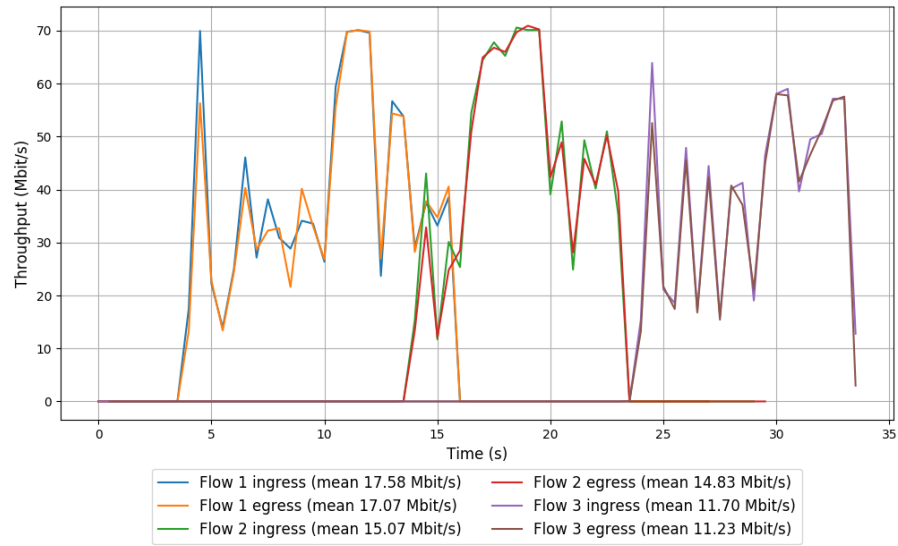
-- Flow 3:

Average throughput: 11.23 Mbit/s

95th percentile per-packet one-way delay: 44.680 ms

Loss rate: 4.35%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 22:22:31 +0000

End at: Tue, 04 Jul 2017 22:23:01 +0000

Local clock offset: 0.33 ms

Remote clock offset: -24.487 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.60 Mbit/s

95th percentile per-packet one-way delay: 40.174 ms

Loss rate: 2.48%

-- Flow 1:

Average throughput: 16.17 Mbit/s

95th percentile per-packet one-way delay: 42.961 ms

Loss rate: 4.05%

-- Flow 2:

Average throughput: 16.18 Mbit/s

95th percentile per-packet one-way delay: 35.085 ms

Loss rate: 1.39%

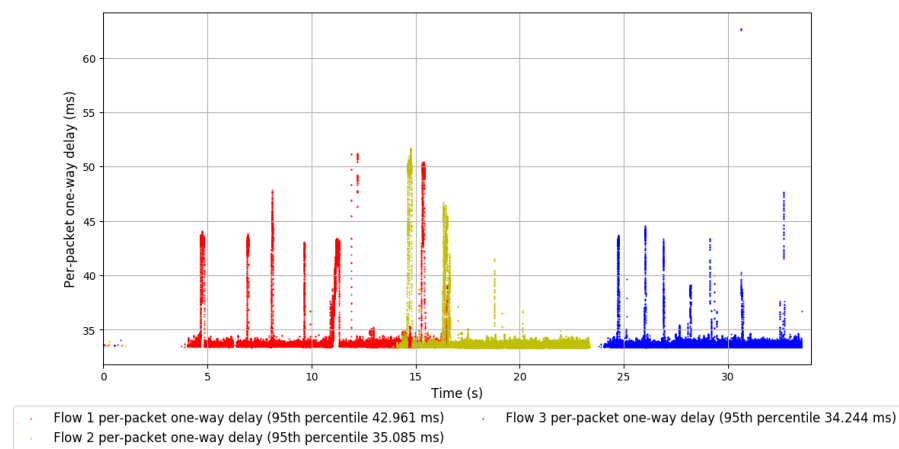
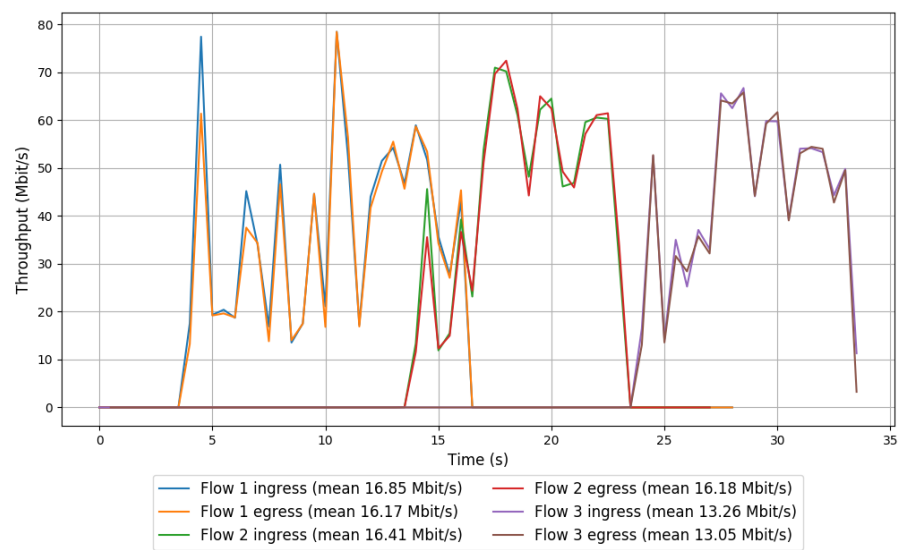
-- Flow 3:

Average throughput: 13.05 Mbit/s

95th percentile per-packet one-way delay: 34.244 ms

Loss rate: 1.86%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 22:40:57 +0000

End at: Tue, 04 Jul 2017 22:41:27 +0000

Local clock offset: 0.24 ms

Remote clock offset: -26.18 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.27 Mbit/s

95th percentile per-packet one-way delay: 32.580 ms

Loss rate: 1.37%

-- Flow 1:

Average throughput: 13.96 Mbit/s

95th percentile per-packet one-way delay: 37.361 ms

Loss rate: 1.51%

-- Flow 2:

Average throughput: 14.52 Mbit/s

95th percentile per-packet one-way delay: 32.181 ms

Loss rate: 1.55%

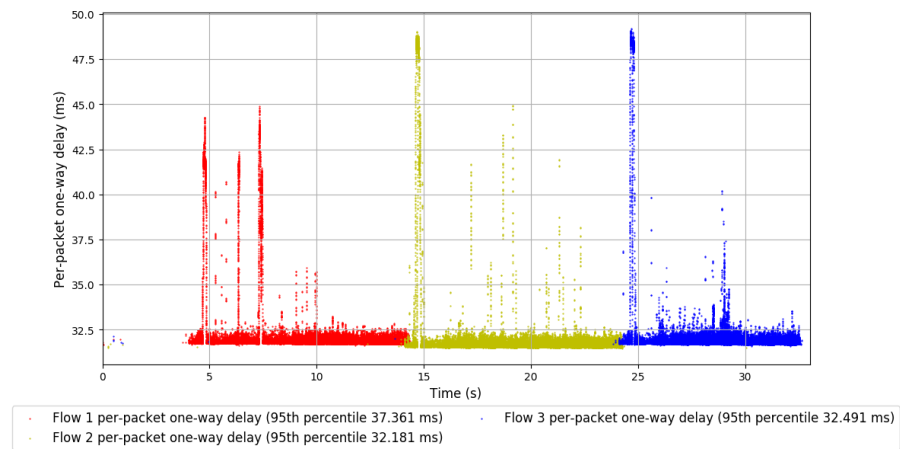
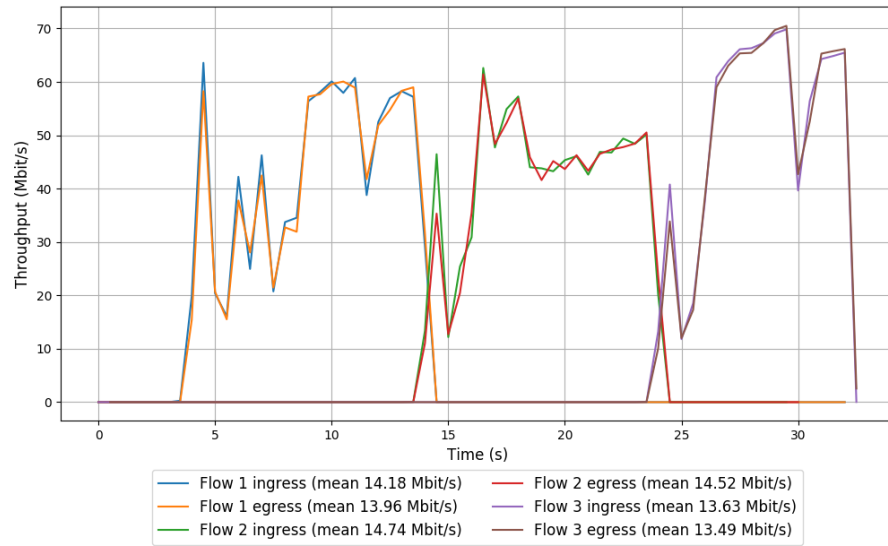
-- Flow 3:

Average throughput: 13.49 Mbit/s

95th percentile per-packet one-way delay: 32.491 ms

Loss rate: 1.04%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 22:59:26 +0000

End at: Tue, 04 Jul 2017 22:59:56 +0000

Local clock offset: 0.3 ms

Remote clock offset: -27.639 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.48 Mbit/s

95th percentile per-packet one-way delay: 37.667 ms

Loss rate: 3.00%

-- Flow 1:

Average throughput: 16.89 Mbit/s

95th percentile per-packet one-way delay: 33.578 ms

Loss rate: 2.11%

-- Flow 2:

Average throughput: 15.95 Mbit/s

95th percentile per-packet one-way delay: 30.630 ms

Loss rate: 1.34%

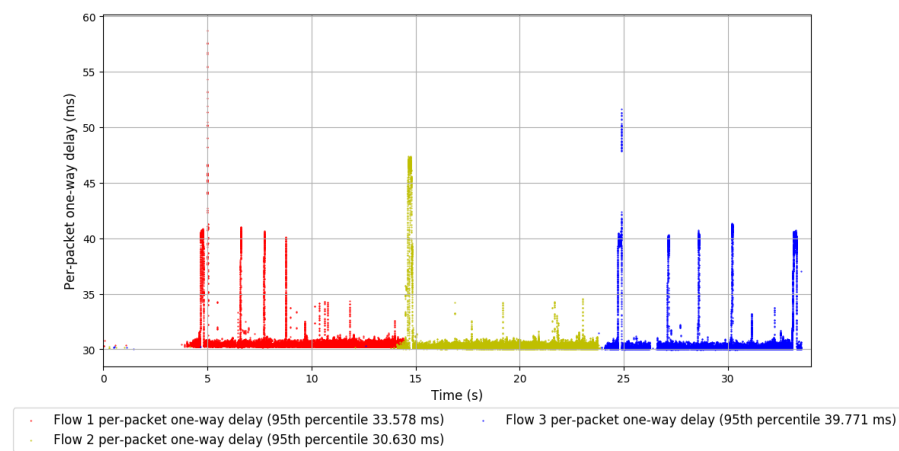
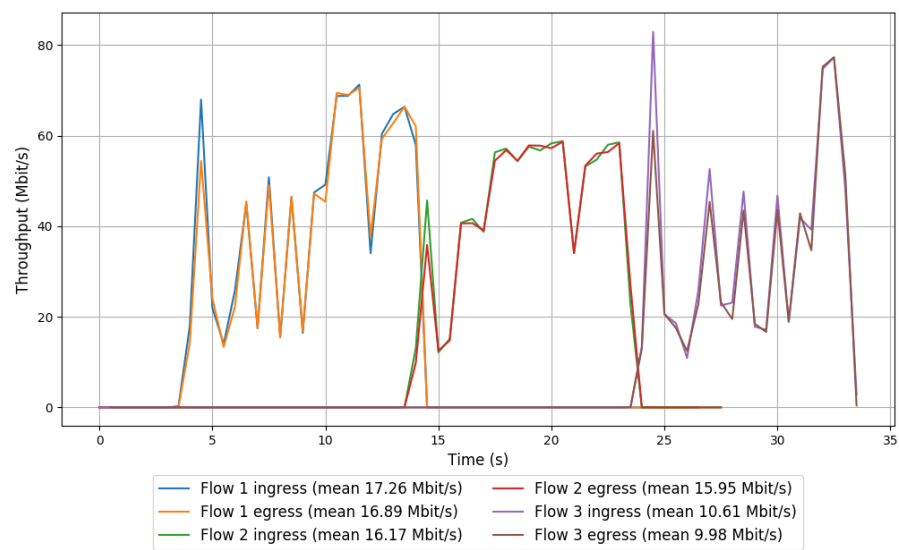
-- Flow 3:

Average throughput: 9.98 Mbit/s

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

Loss rate: 6.26%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 23:18:02 +0000

End at: Tue, 04 Jul 2017 23:18:32 +0000

Local clock offset: 0.282 ms

Remote clock offset: -29.237 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.89 Mbit/s

95th percentile per-packet one-way delay: 36.238 ms

Loss rate: 2.56%

-- Flow 1:

Average throughput: 16.28 Mbit/s

95th percentile per-packet one-way delay: 35.883 ms

Loss rate: 1.30%

-- Flow 2:

Average throughput: 14.71 Mbit/s

95th percentile per-packet one-way delay: 34.893 ms

Loss rate: 0.15%

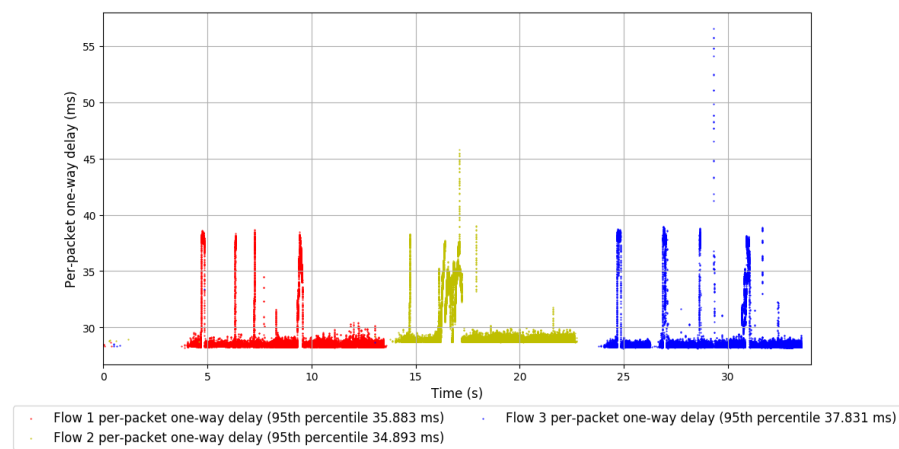
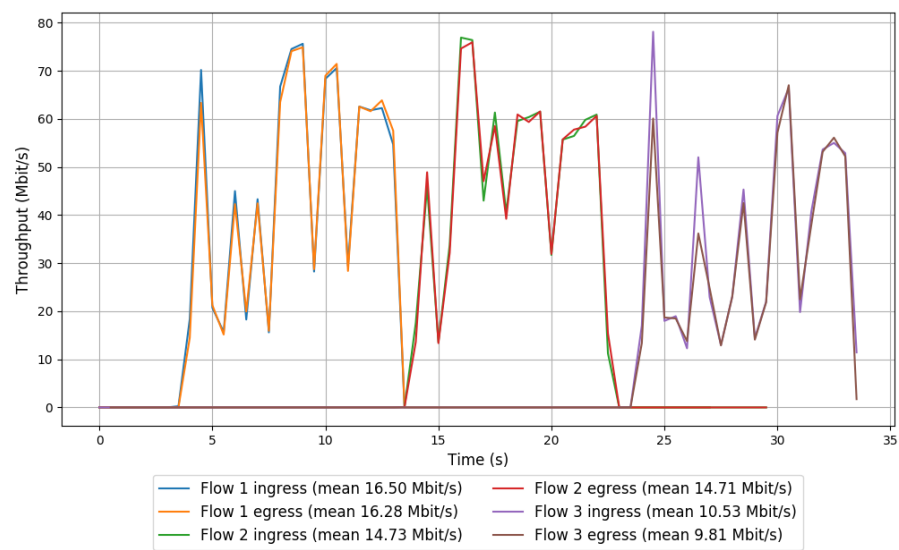
-- Flow 3:

Average throughput: 9.81 Mbit/s

95th percentile per-packet one-way delay: 37.831 ms

Loss rate: 7.18%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

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

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

Local clock offset: 0.301 ms

Remote clock offset: -30.216 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.71 Mbit/s

95th percentile per-packet one-way delay: 30.132 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 14.13 Mbit/s

95th percentile per-packet one-way delay: 30.541 ms

Loss rate: 1.25%

-- Flow 2:

Average throughput: 17.24 Mbit/s

95th percentile per-packet one-way delay: 32.648 ms

Loss rate: 0.29%

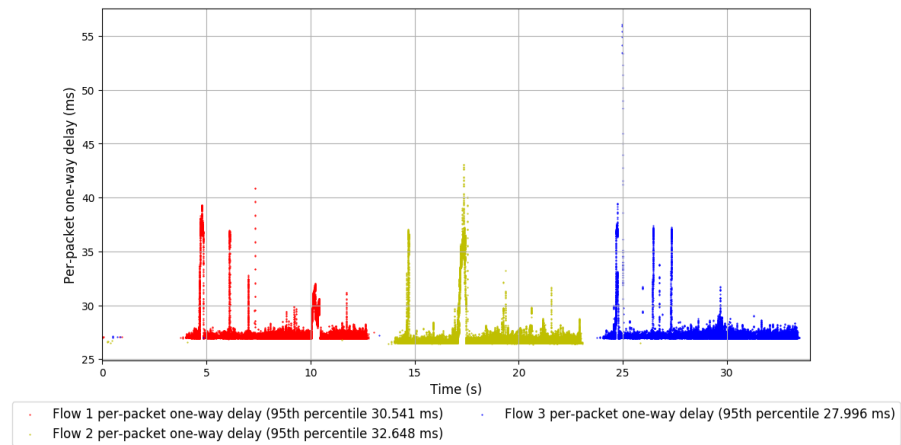
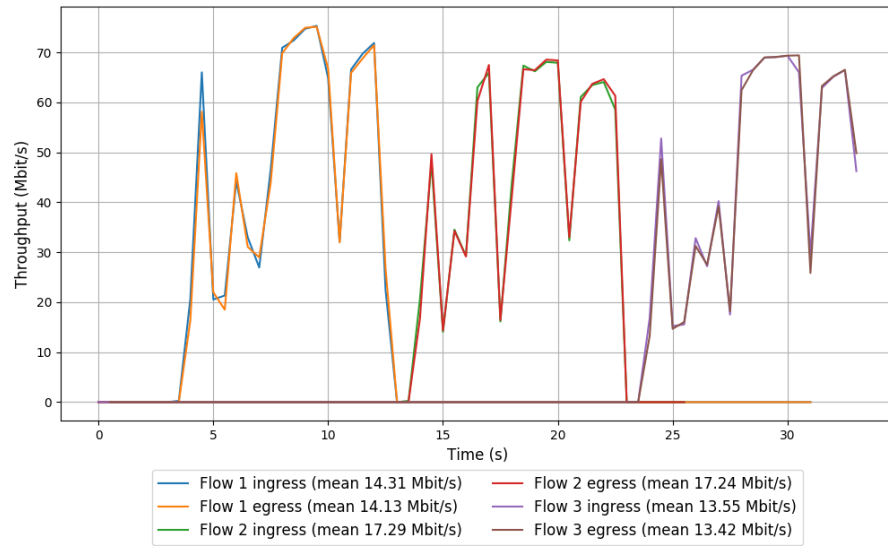
-- Flow 3:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 27.996 ms

Loss rate: 0.96%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 23:55:03 +0000

End at: Tue, 04 Jul 2017 23:55:33 +0000

Local clock offset: 0.345 ms

Remote clock offset: -31.736 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 37.47 Mbit/s

95th percentile per-packet one-way delay: 34.401 ms

Loss rate: 2.91%

-- Flow 1:

Average throughput: 14.95 Mbit/s

95th percentile per-packet one-way delay: 35.302 ms

Loss rate: 4.50%

-- Flow 2:

Average throughput: 14.01 Mbit/s

95th percentile per-packet one-way delay: 34.516 ms

Loss rate: 1.85%

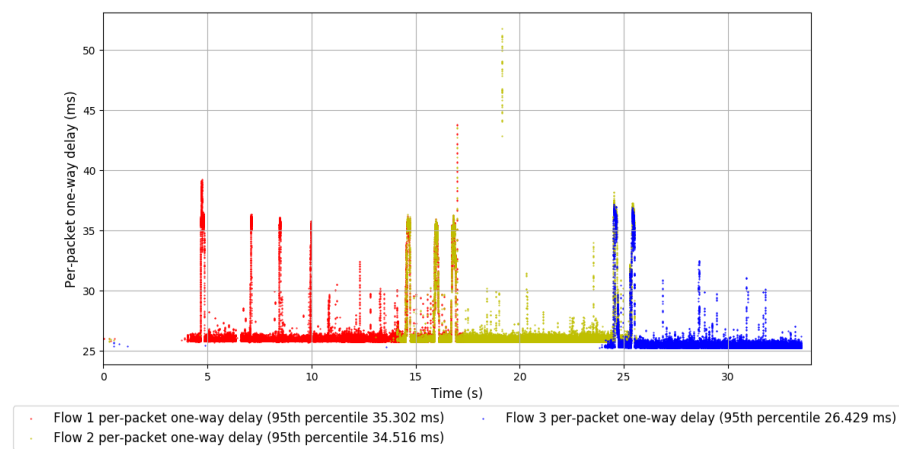
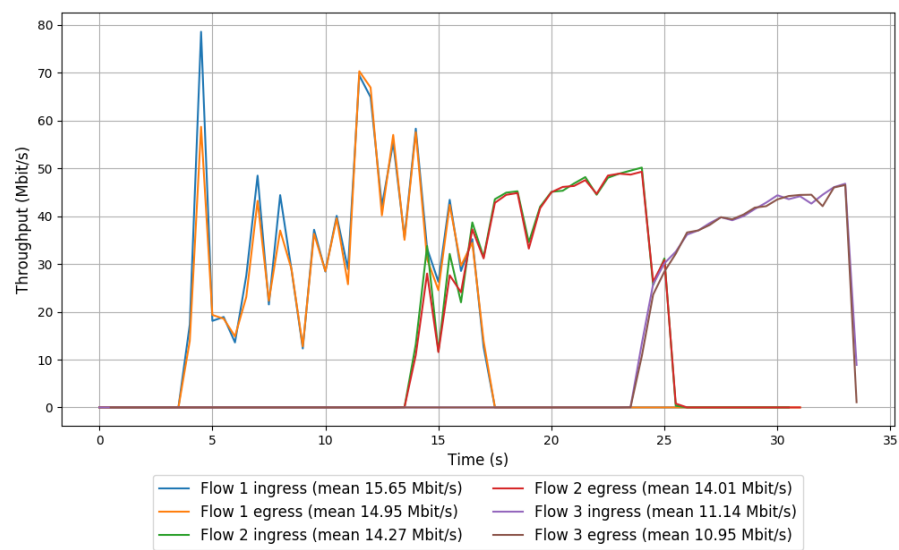
-- Flow 3:

Average throughput: 10.95 Mbit/s

95th percentile per-packet one-way delay: 26.429 ms

Loss rate: 2.09%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 00:13:17 +0000

End at: Wed, 05 Jul 2017 00:13:47 +0000

Local clock offset: 0.324 ms

Remote clock offset: -32.91 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.50 Mbit/s

95th percentile per-packet one-way delay: 30.850 ms

Loss rate: 2.38%

-- Flow 1:

Average throughput: 15.65 Mbit/s

95th percentile per-packet one-way delay: 35.404 ms

Loss rate: 3.68%

-- Flow 2:

Average throughput: 15.24 Mbit/s

95th percentile per-packet one-way delay: 25.901 ms

Loss rate: 2.06%

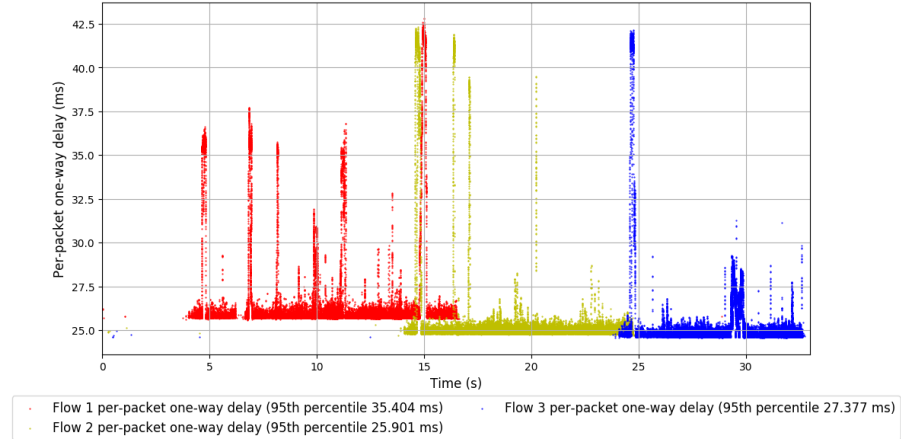
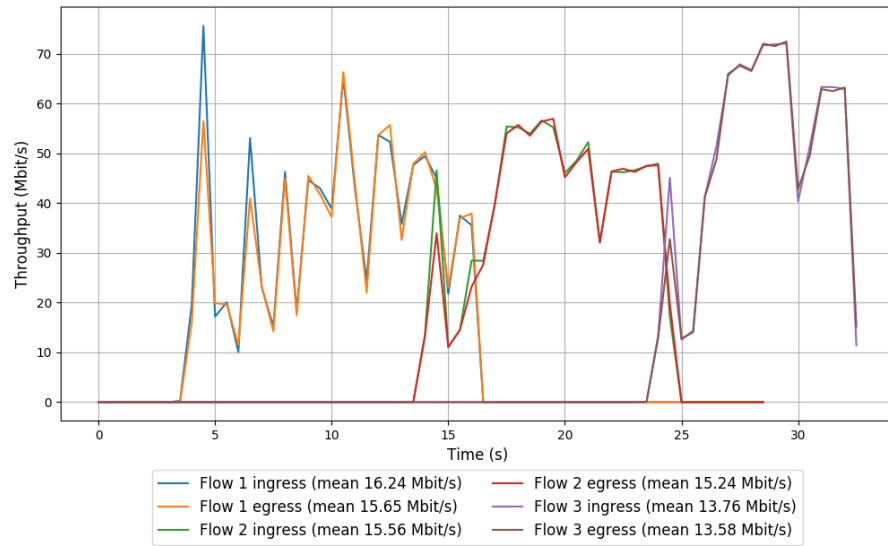
-- Flow 3:

Average throughput: 13.58 Mbit/s

95th percentile per-packet one-way delay: 27.377 ms

Loss rate: 1.34%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 00:31:52 +0000

End at: Wed, 05 Jul 2017 00:32:22 +0000

Local clock offset: 0.342 ms

Remote clock offset: -33.093 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.48 Mbit/s

95th percentile per-packet one-way delay: 32.987 ms

Loss rate: 3.07%

-- Flow 1:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 33.550 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 14.04 Mbit/s

95th percentile per-packet one-way delay: 26.047 ms

Loss rate: 1.96%

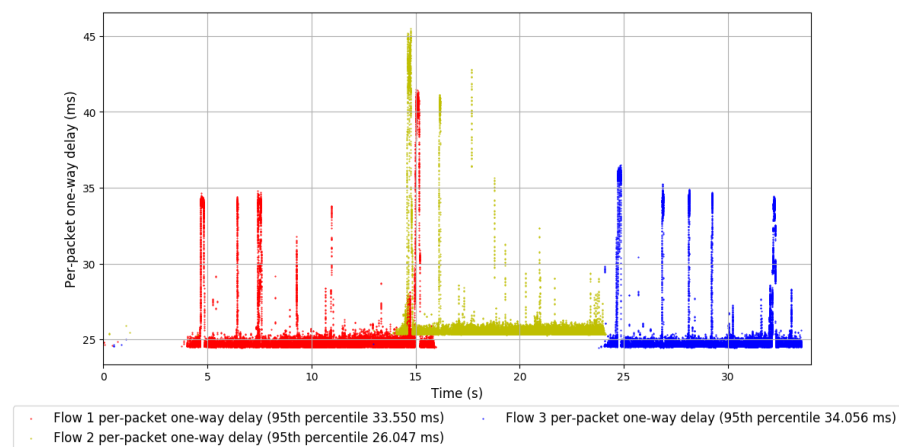
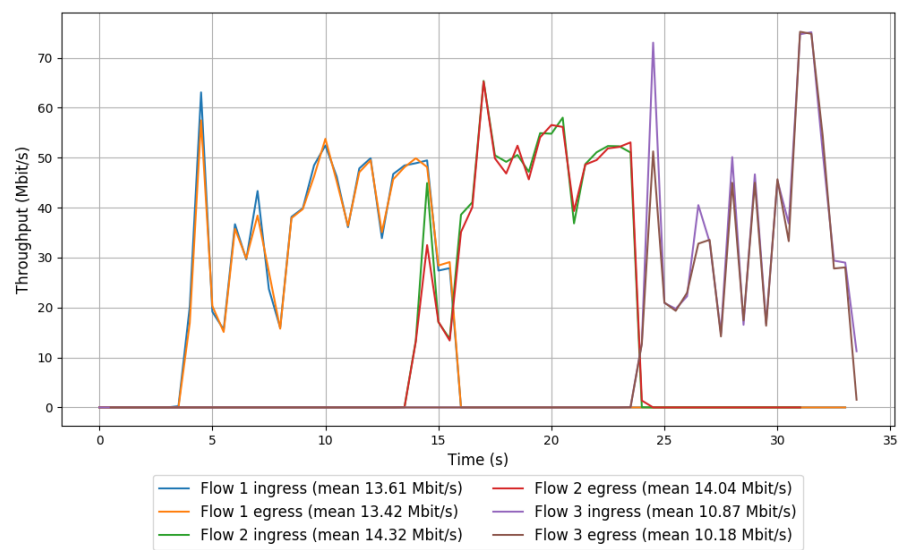
-- Flow 3:

Average throughput: 10.18 Mbit/s

95th percentile per-packet one-way delay: 34.056 ms

Loss rate: 6.64%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Tue, 04 Jul 2017 21:59:02 +0000

End at: Tue, 04 Jul 2017 21:59:32 +0000

Local clock offset: 0.252 ms

Remote clock offset: -22.585 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.83 Mbit/s

95th percentile per-packet one-way delay: 42.911 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 18.07 Mbit/s

95th percentile per-packet one-way delay: 37.000 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 12.08 Mbit/s

95th percentile per-packet one-way delay: 44.287 ms

Loss rate: 0.62%

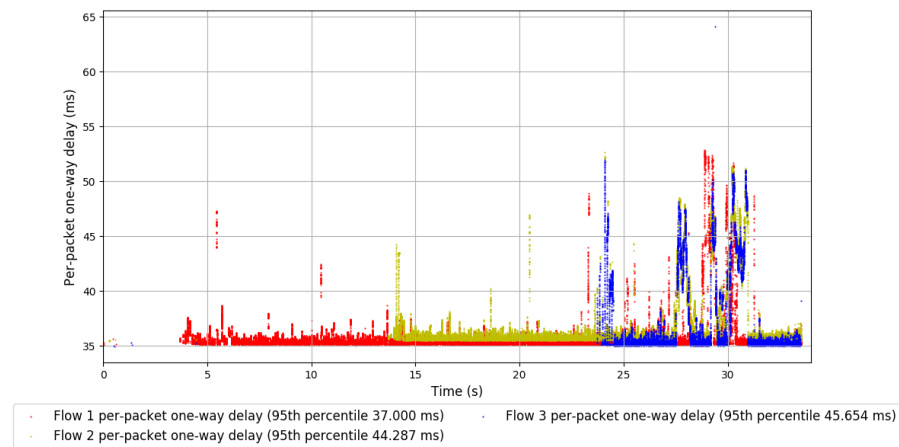
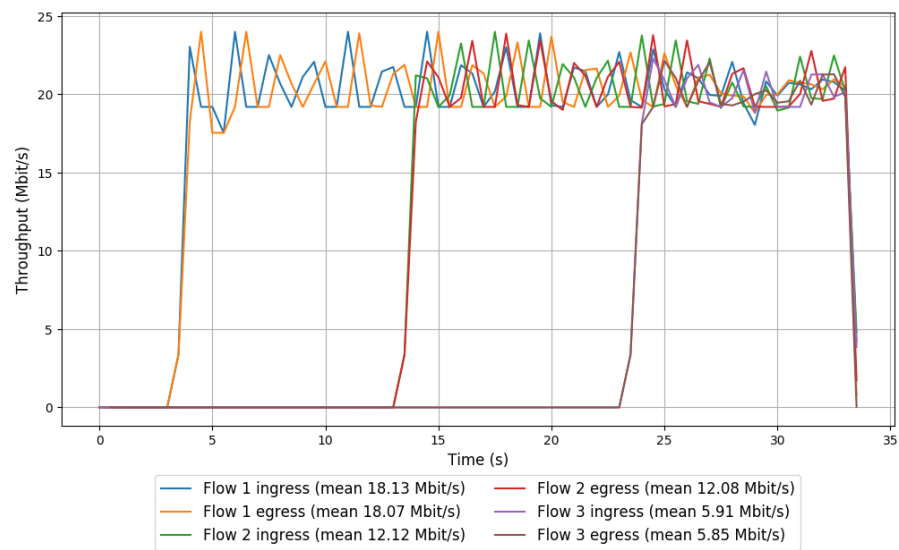
-- Flow 3:

Average throughput: 5.85 Mbit/s

95th percentile per-packet one-way delay: 45.654 ms

Loss rate: 1.27%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:17:32 +0000

End at: Tue, 04 Jul 2017 22:18:02 +0000

Local clock offset: 0.235 ms

Remote clock offset: -23.891 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 35.150 ms

Loss rate: 0.71%

-- Flow 1:

Average throughput: 18.19 Mbit/s

95th percentile per-packet one-way delay: 34.525 ms

Loss rate: 0.57%

-- Flow 2:

Average throughput: 12.08 Mbit/s

95th percentile per-packet one-way delay: 35.210 ms

Loss rate: 0.69%

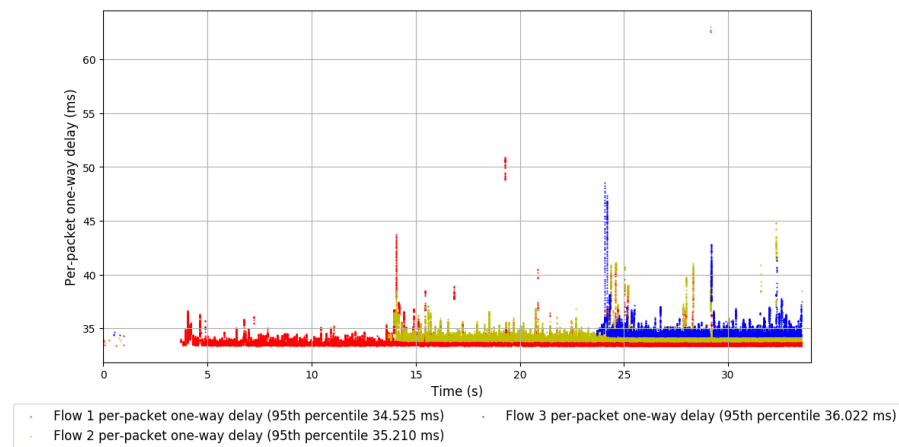
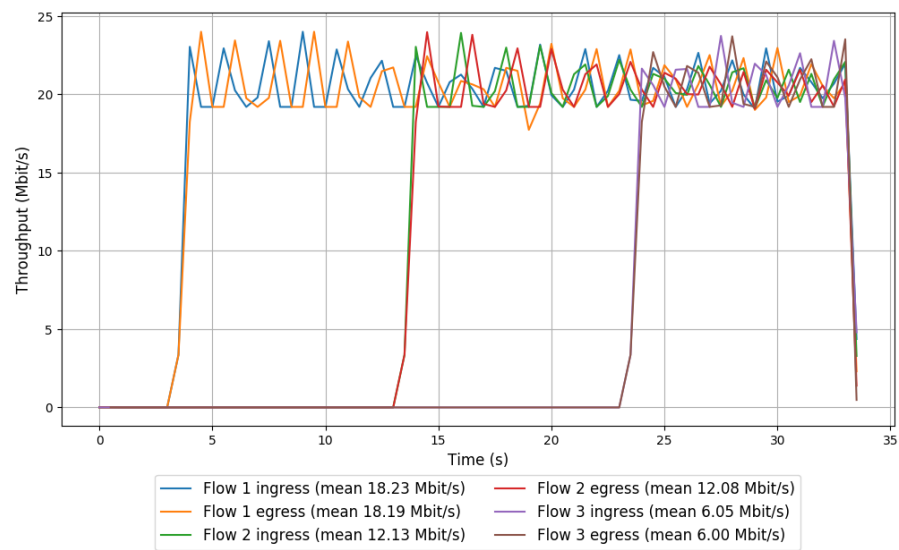
-- Flow 3:

Average throughput: 6.00 Mbit/s

95th percentile per-packet one-way delay: 36.022 ms

Loss rate: 1.20%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:36:02 +0000

End at: Tue, 04 Jul 2017 22:36:32 +0000

Local clock offset: 0.326 ms

Remote clock offset: -25.7 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.35 Mbit/s

95th percentile per-packet one-way delay: 33.374 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 18.34 Mbit/s

95th percentile per-packet one-way delay: 33.433 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 12.19 Mbit/s

95th percentile per-packet one-way delay: 33.006 ms

Loss rate: 0.59%

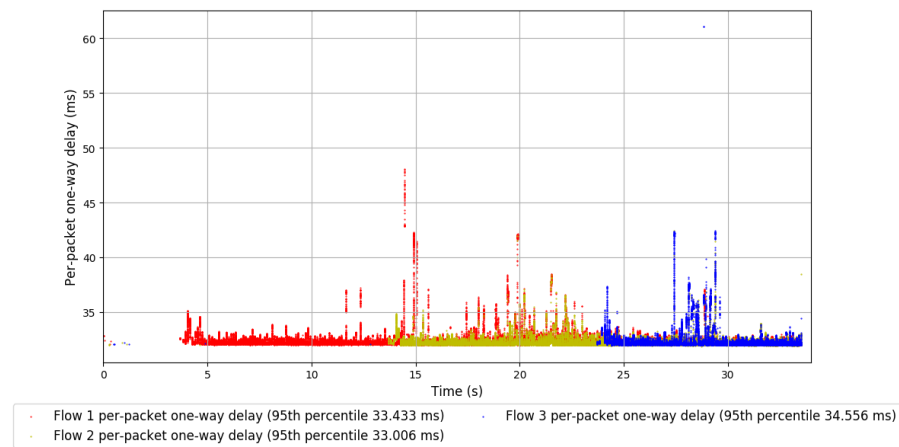
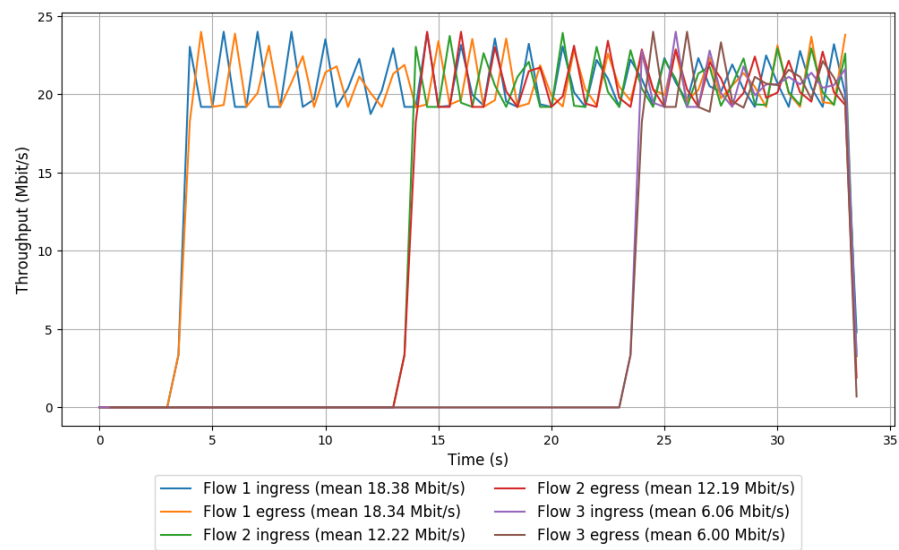
-- Flow 3:

Average throughput: 6.00 Mbit/s

95th percentile per-packet one-way delay: 34.556 ms

Loss rate: 1.27%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:54:32 +0000

End at: Tue, 04 Jul 2017 22:55:02 +0000

Local clock offset: 0.294 ms

Remote clock offset: -27.251 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.05 Mbit/s

95th percentile per-packet one-way delay: 32.367 ms

Loss rate: 0.74%

-- Flow 1:

Average throughput: 18.16 Mbit/s

95th percentile per-packet one-way delay: 32.016 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 12.17 Mbit/s

95th percentile per-packet one-way delay: 32.786 ms

Loss rate: 0.69%

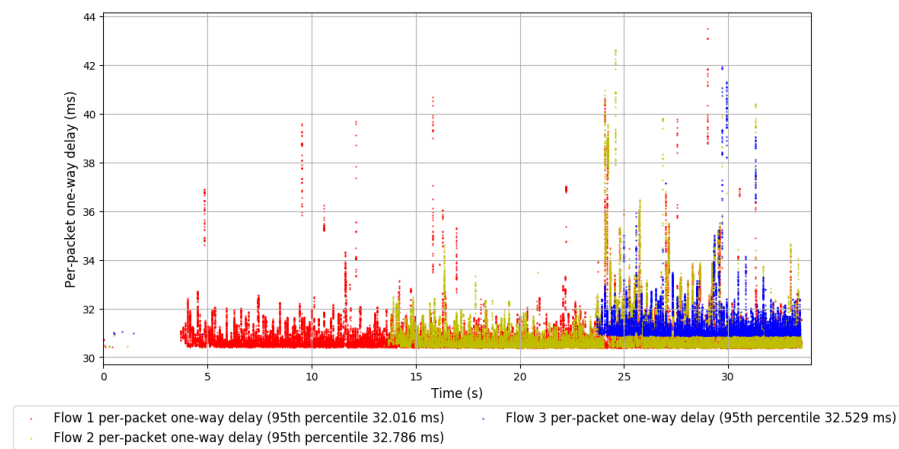
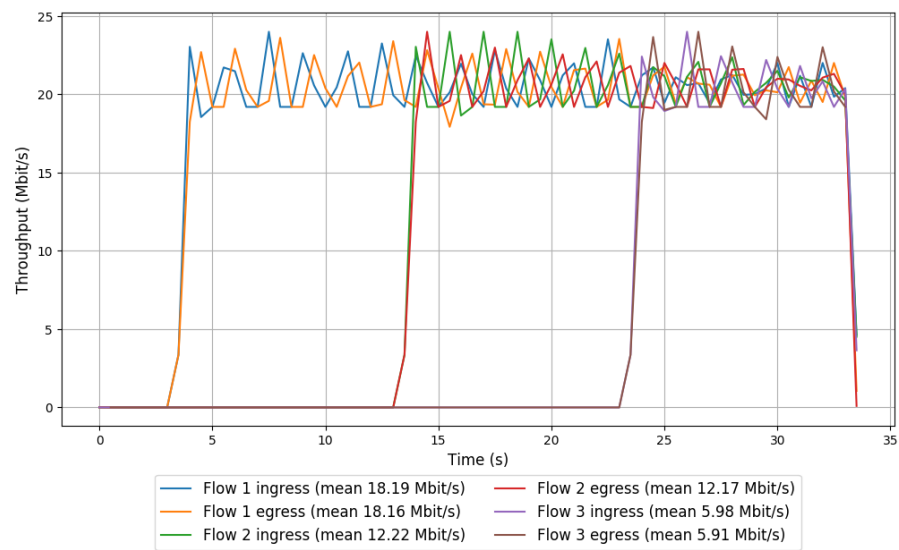
-- Flow 3:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 32.529 ms

Loss rate: 1.45%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Tue, 04 Jul 2017 23:13:07 +0000

End at: Tue, 04 Jul 2017 23:13:37 +0000

Local clock offset: 0.232 ms

Remote clock offset: -28.84 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.33 Mbit/s

95th percentile per-packet one-way delay: 29.903 ms

Loss rate: 0.62%

-- Flow 1:

Average throughput: 18.30 Mbit/s

95th percentile per-packet one-way delay: 29.966 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 12.20 Mbit/s

95th percentile per-packet one-way delay: 29.277 ms

Loss rate: 0.61%

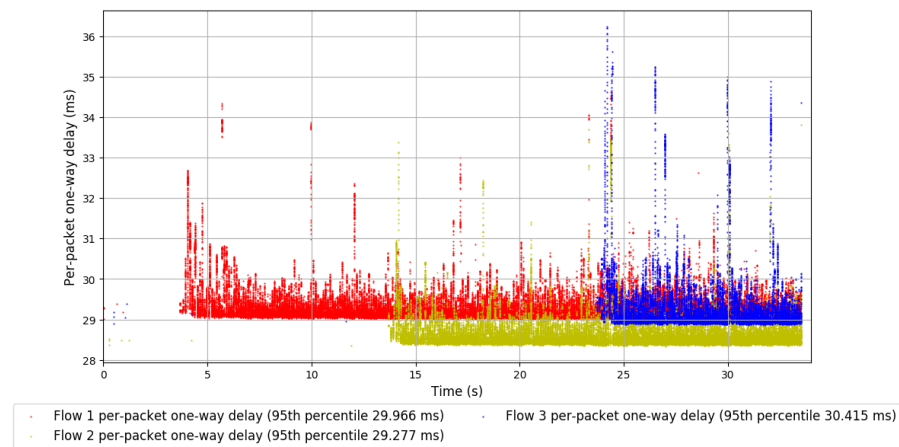
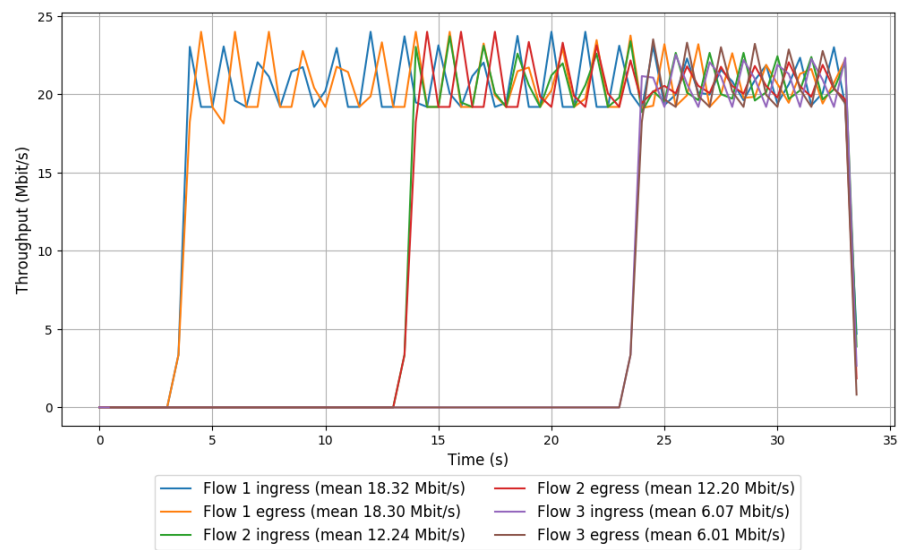
-- Flow 3:

Average throughput: 6.01 Mbit/s

95th percentile per-packet one-way delay: 30.415 ms

Loss rate: 1.19%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Tue, 04 Jul 2017 23:31:34 +0000

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

Local clock offset: 0.305 ms

Remote clock offset: -30.409 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.86 Mbit/s

95th percentile per-packet one-way delay: 28.552 ms

Loss rate: 0.78%

-- Flow 1:

Average throughput: 18.07 Mbit/s

95th percentile per-packet one-way delay: 28.643 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 27.988 ms

Loss rate: 0.84%

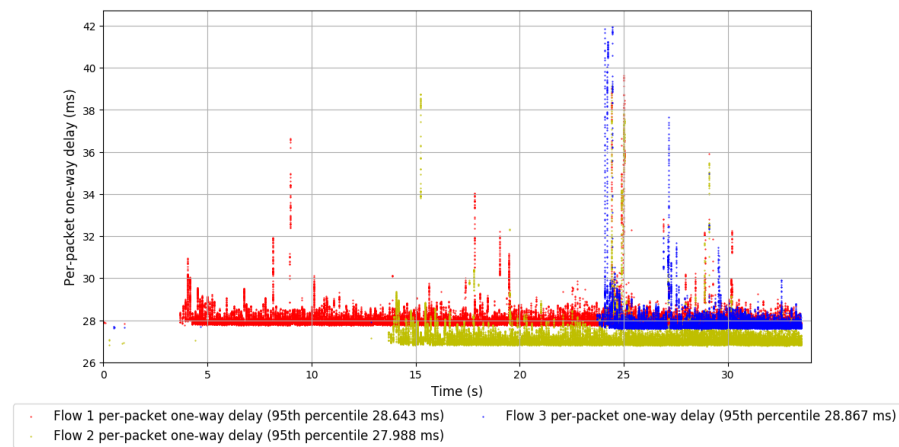
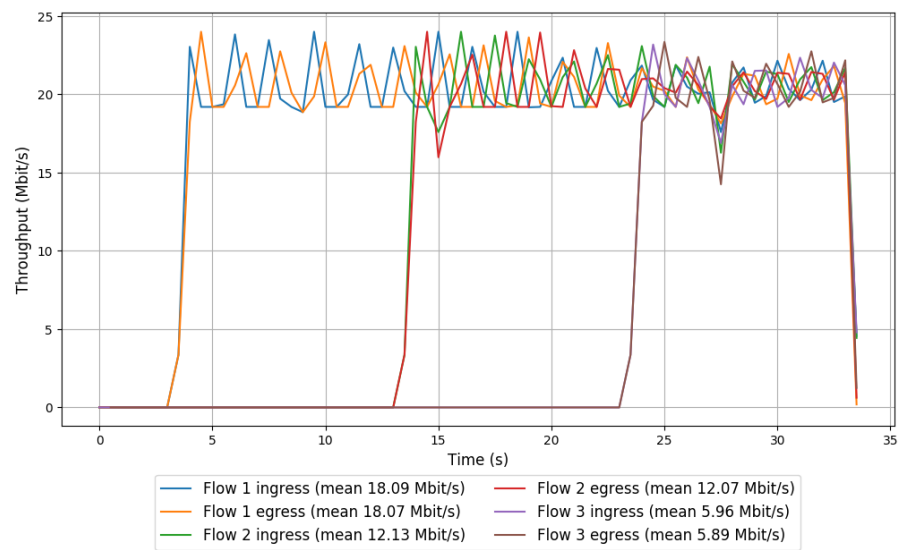
-- Flow 3:

Average throughput: 5.89 Mbit/s

95th percentile per-packet one-way delay: 28.867 ms

Loss rate: 1.54%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Tue, 04 Jul 2017 23:50:12 +0000

End at: Tue, 04 Jul 2017 23:50:42 +0000

Local clock offset: 0.335 ms

Remote clock offset: -31.489 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.86 Mbit/s

95th percentile per-packet one-way delay: 27.854 ms

Loss rate: 0.65%

-- Flow 1:

Average throughput: 18.08 Mbit/s

95th percentile per-packet one-way delay: 27.374 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 12.00 Mbit/s

95th percentile per-packet one-way delay: 28.003 ms

Loss rate: 0.59%

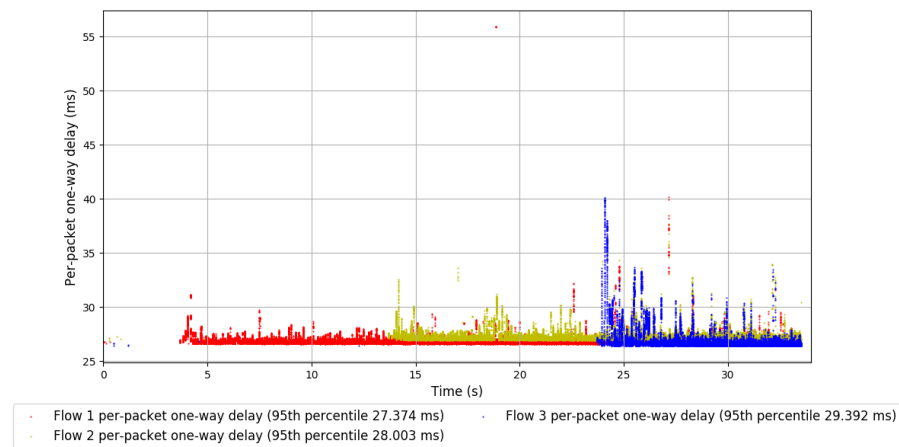
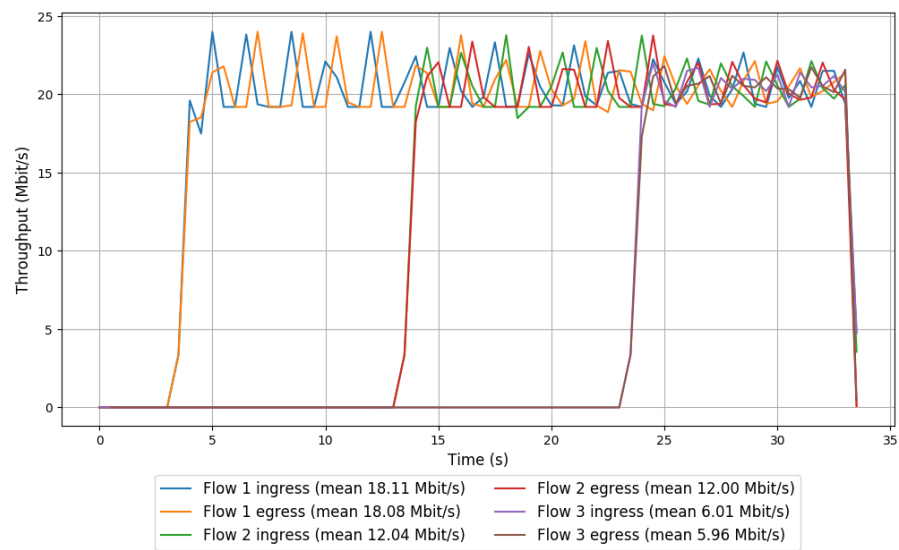
-- Flow 3:

Average throughput: 5.96 Mbit/s

95th percentile per-packet one-way delay: 29.392 ms

Loss rate: 1.32%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Wed, 05 Jul 2017 00:08:28 +0000

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

Local clock offset: 0.346 ms

Remote clock offset: -32.405 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.21 Mbit/s

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

Loss rate: 0.67%

-- Flow 1:

Average throughput: 18.24 Mbit/s

95th percentile per-packet one-way delay: 26.912 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 12.15 Mbit/s

95th percentile per-packet one-way delay: 26.333 ms

Loss rate: 0.80%

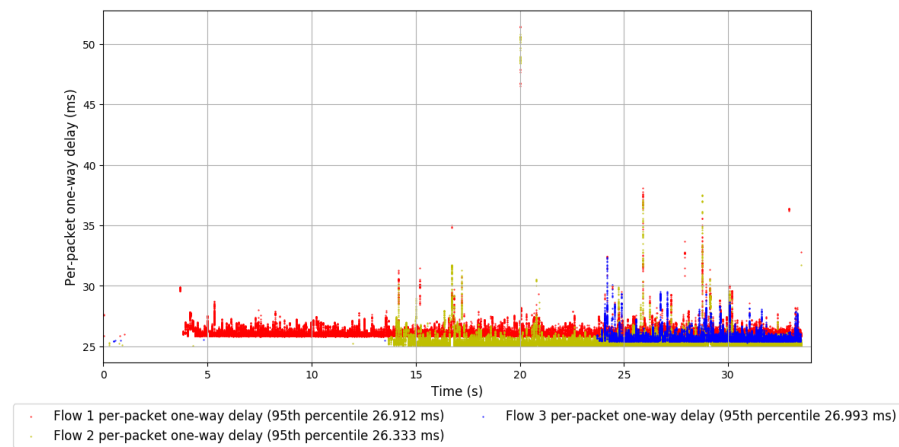
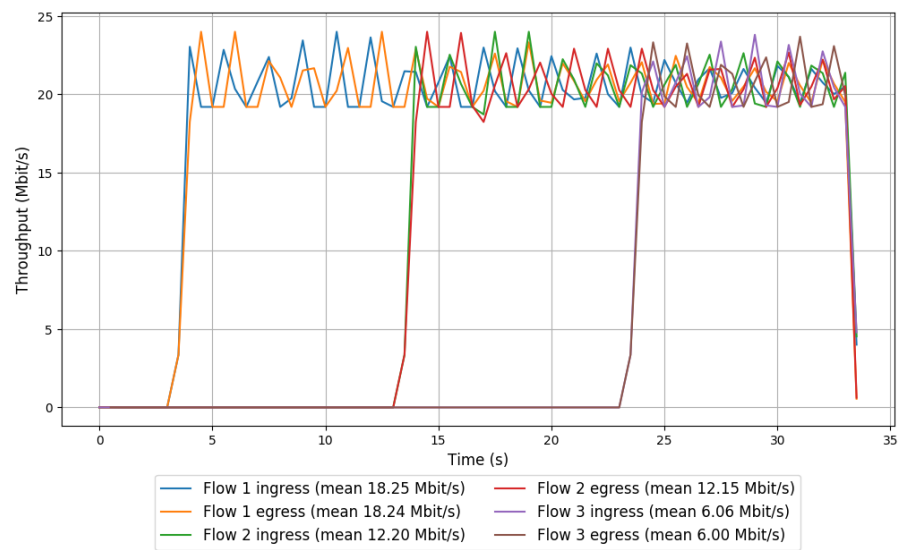
-- Flow 3:

Average throughput: 6.00 Mbit/s

95th percentile per-packet one-way delay: 26.993 ms

Loss rate: 1.20%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Wed, 05 Jul 2017 00:27:01 +0000

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

Local clock offset: 0.301 ms

Remote clock offset: -32.929 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.18 Mbit/s

95th percentile per-packet one-way delay: 25.921 ms

Loss rate: 0.63%

-- Flow 1:

Average throughput: 18.34 Mbit/s

95th percentile per-packet one-way delay: 25.716 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 25.854 ms

Loss rate: 0.59%

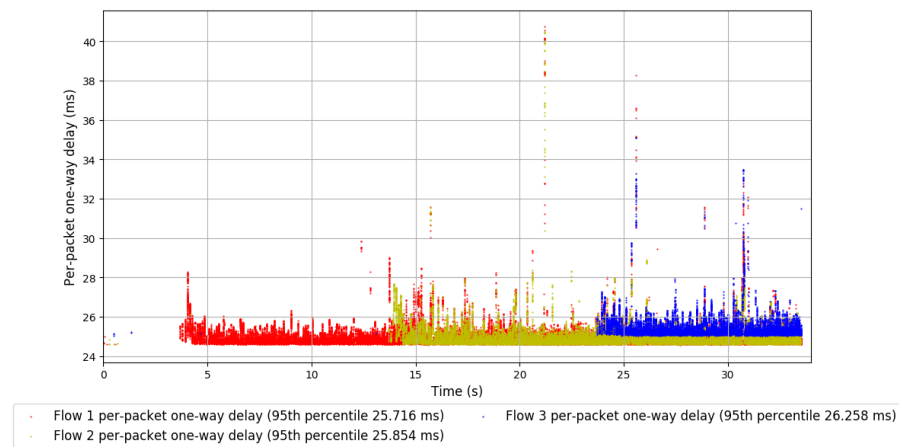
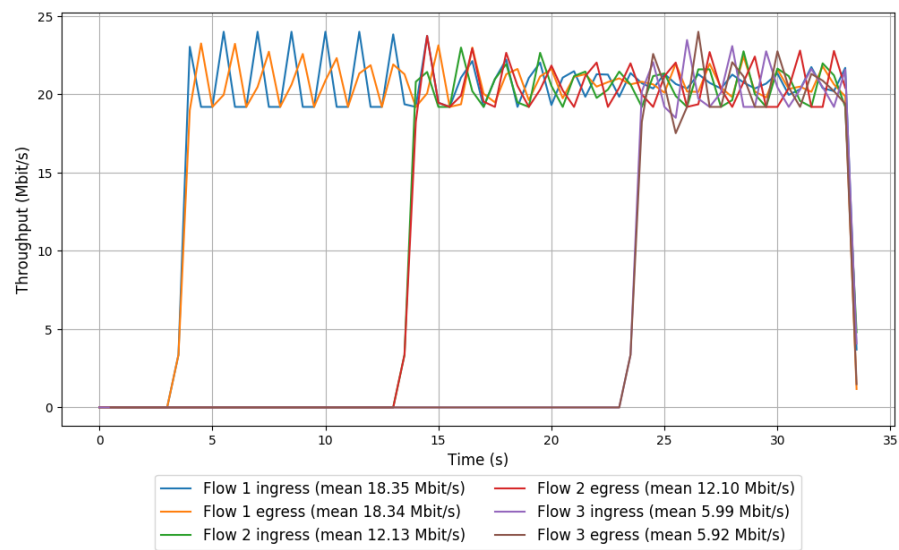
-- Flow 3:

Average throughput: 5.92 Mbit/s

95th percentile per-packet one-way delay: 26.258 ms

Loss rate: 1.45%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Wed, 05 Jul 2017 00:45:23 +0000

End at: Wed, 05 Jul 2017 00:45:53 +0000

Local clock offset: 0.362 ms

Remote clock offset: -33.131 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.91 Mbit/s

95th percentile per-packet one-way delay: 25.758 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 18.20 Mbit/s

95th percentile per-packet one-way delay: 25.774 ms

Loss rate: 0.58%

-- Flow 2:

Average throughput: 12.00 Mbit/s

95th percentile per-packet one-way delay: 25.440 ms

Loss rate: 0.81%

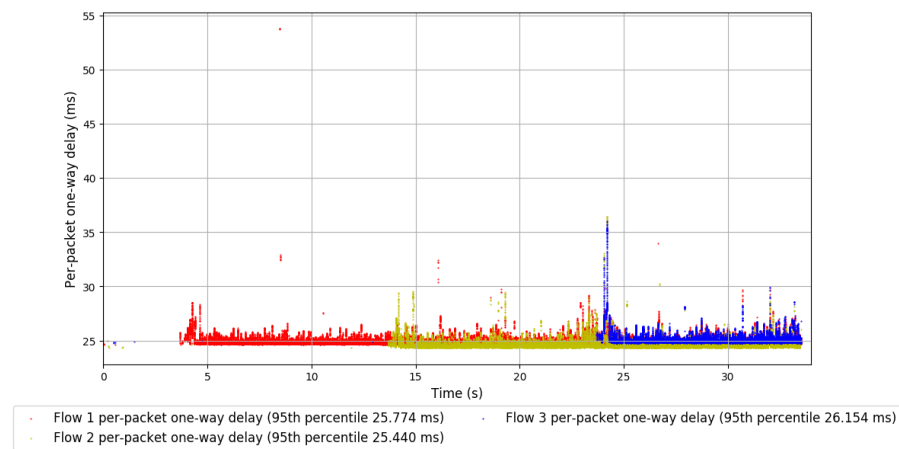
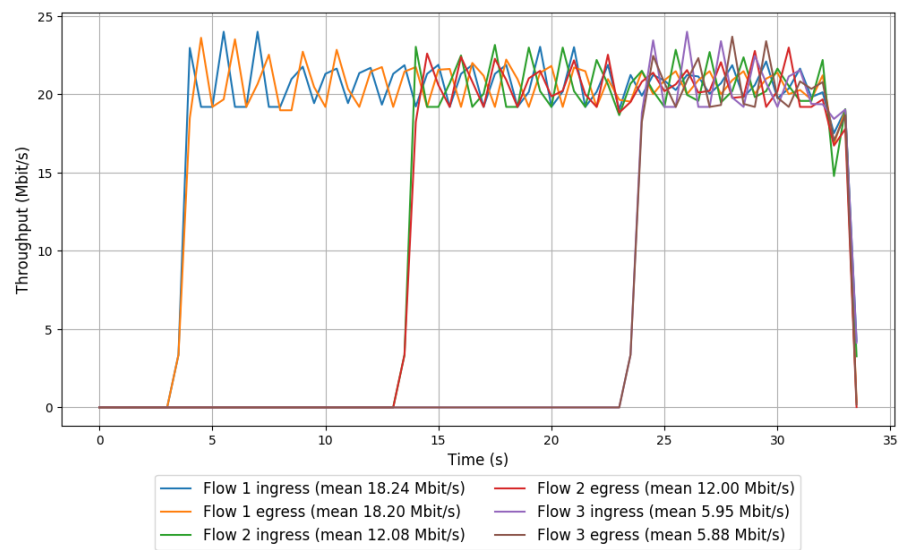
-- Flow 3:

Average throughput: 5.88 Mbit/s

95th percentile per-packet one-way delay: 26.154 ms

Loss rate: 1.52%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 21:48:00 +0000

End at: Tue, 04 Jul 2017 21:48:30 +0000

Local clock offset: 0.257 ms

Remote clock offset: -22.925 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 35.017 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 34.636 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 35.134 ms

Loss rate: 0.63%

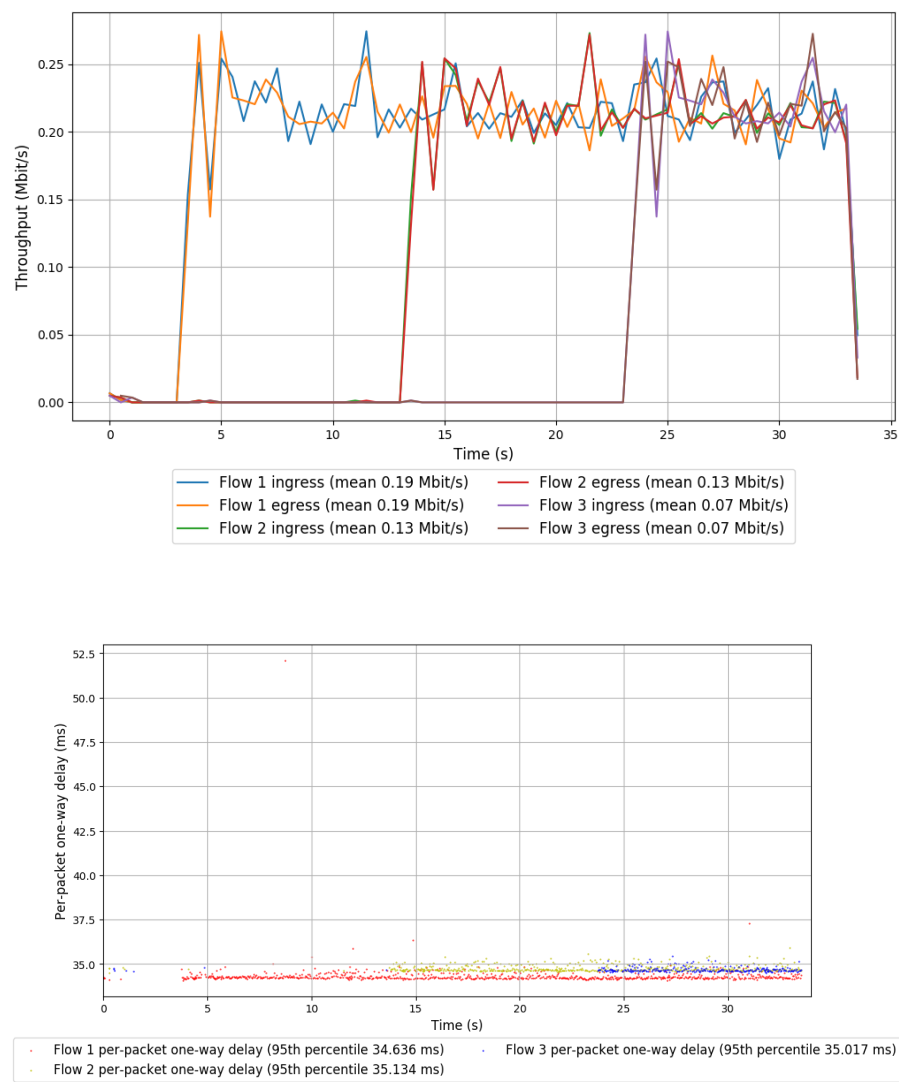
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 35.017 ms

Loss rate: 0.76%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 22:06:32 +0000

End at: Tue, 04 Jul 2017 22:07:02 +0000

Local clock offset: 0.3 ms

Remote clock offset: -22.479 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 35.281 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 35.259 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.13 Mbit/s

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

Loss rate: 0.63%

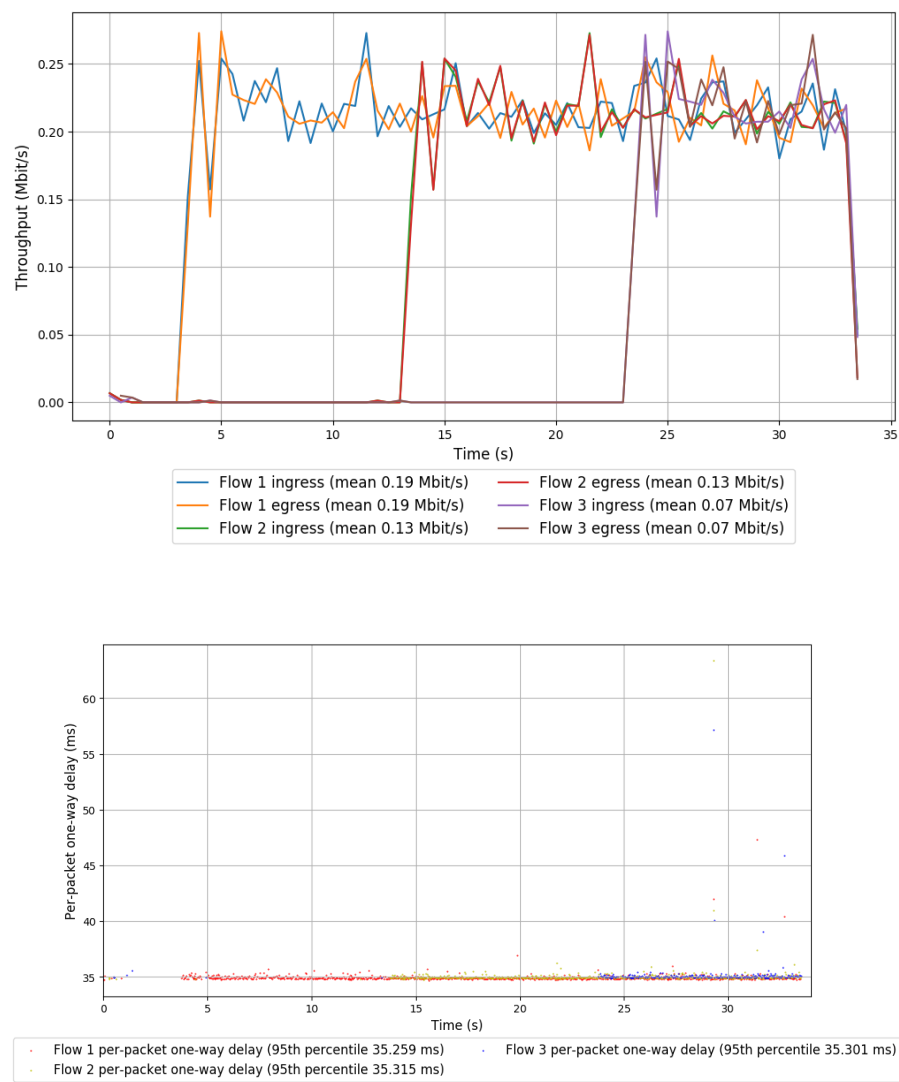
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 35.301 ms

Loss rate: 1.10%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 22:25:00 +0000

End at: Tue, 04 Jul 2017 22:25:30 +0000

Local clock offset: 0.308 ms

Remote clock offset: -24.28 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 33.732 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 33.818 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 33.504 ms

Loss rate: 0.63%

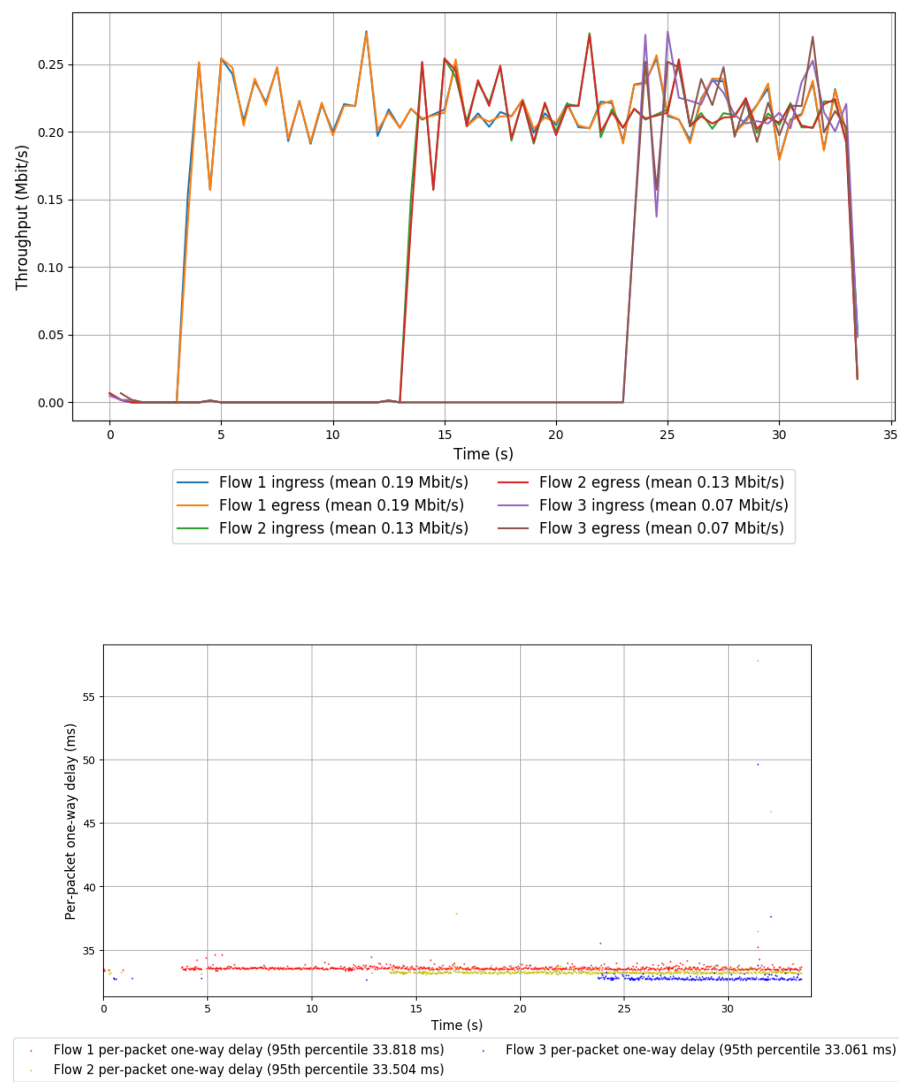
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 33.061 ms

Loss rate: 1.10%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 22:43:27 +0000

End at: Tue, 04 Jul 2017 22:43:57 +0000

Local clock offset: 0.325 ms

Remote clock offset: -26.6 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 31.873 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 31.915 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 31.856 ms

Loss rate: 0.63%

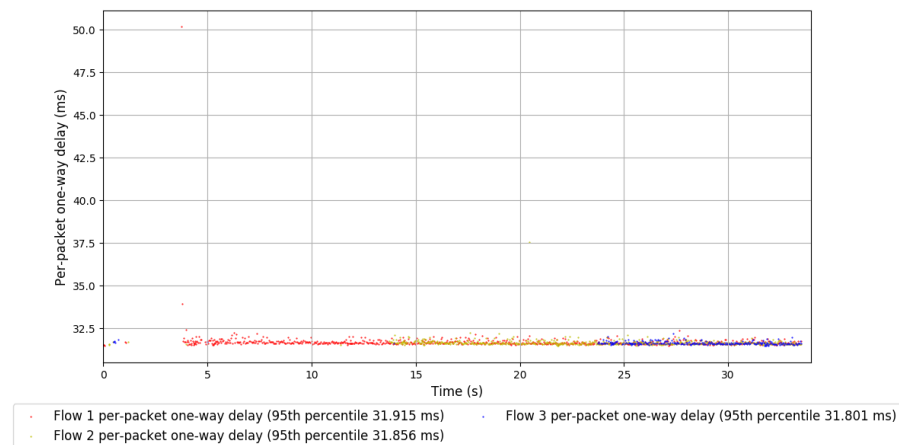
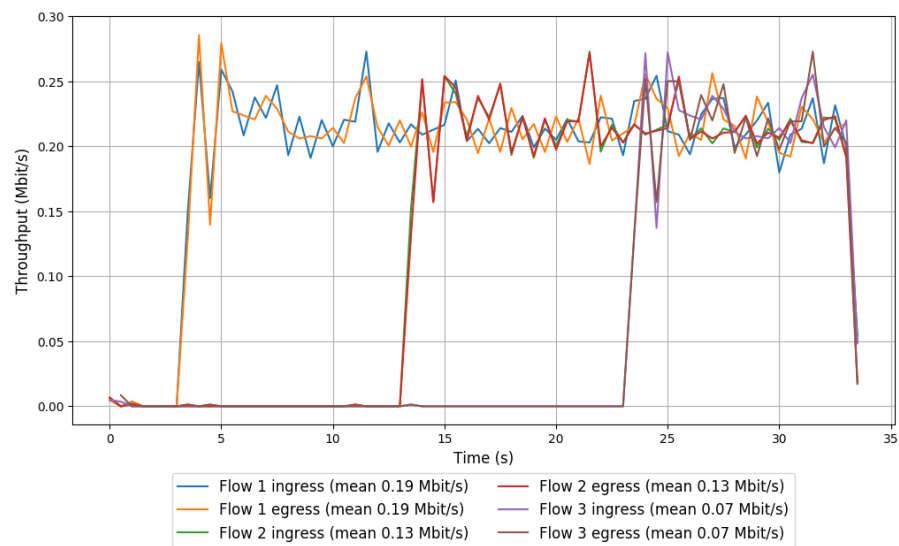
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 31.801 ms

Loss rate: 1.10%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:01:55 +0000

End at: Tue, 04 Jul 2017 23:02:25 +0000

Local clock offset: 0.293 ms

Remote clock offset: -28.177 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 30.902 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 31.016 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 29.883 ms

Loss rate: 0.63%

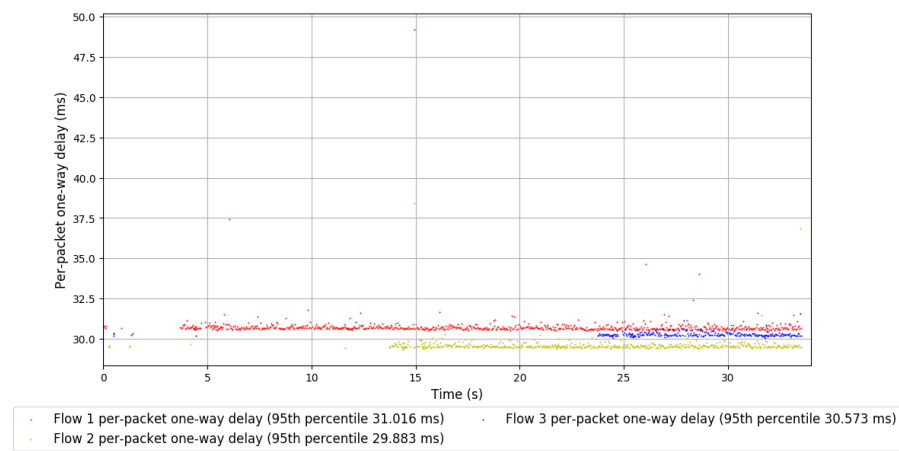
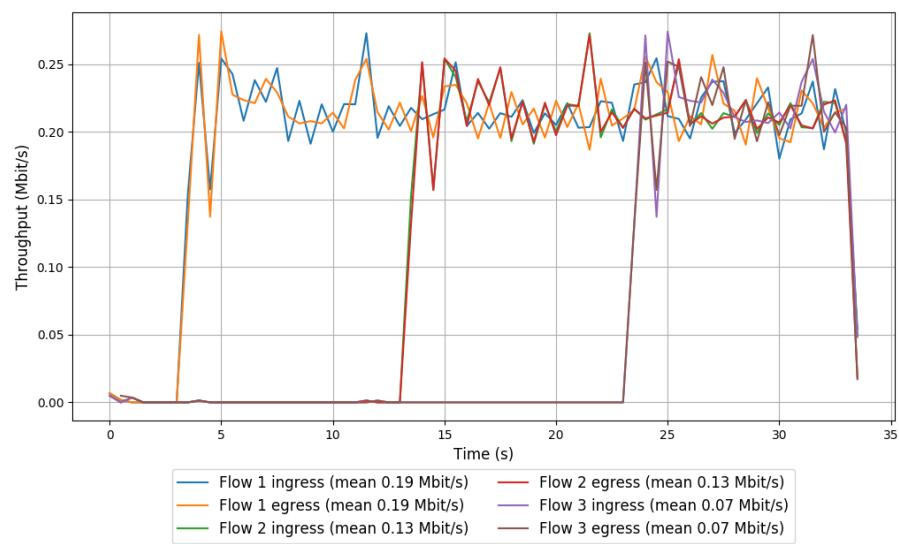
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 30.573 ms

Loss rate: 1.10%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:20:37 +0000

End at: Tue, 04 Jul 2017 23:21:07 +0000

Local clock offset: 0.23 ms

Remote clock offset: -29.512 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 29.134 ms

Loss rate: 0.58%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 28.350 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 29.302 ms

Loss rate: 0.63%

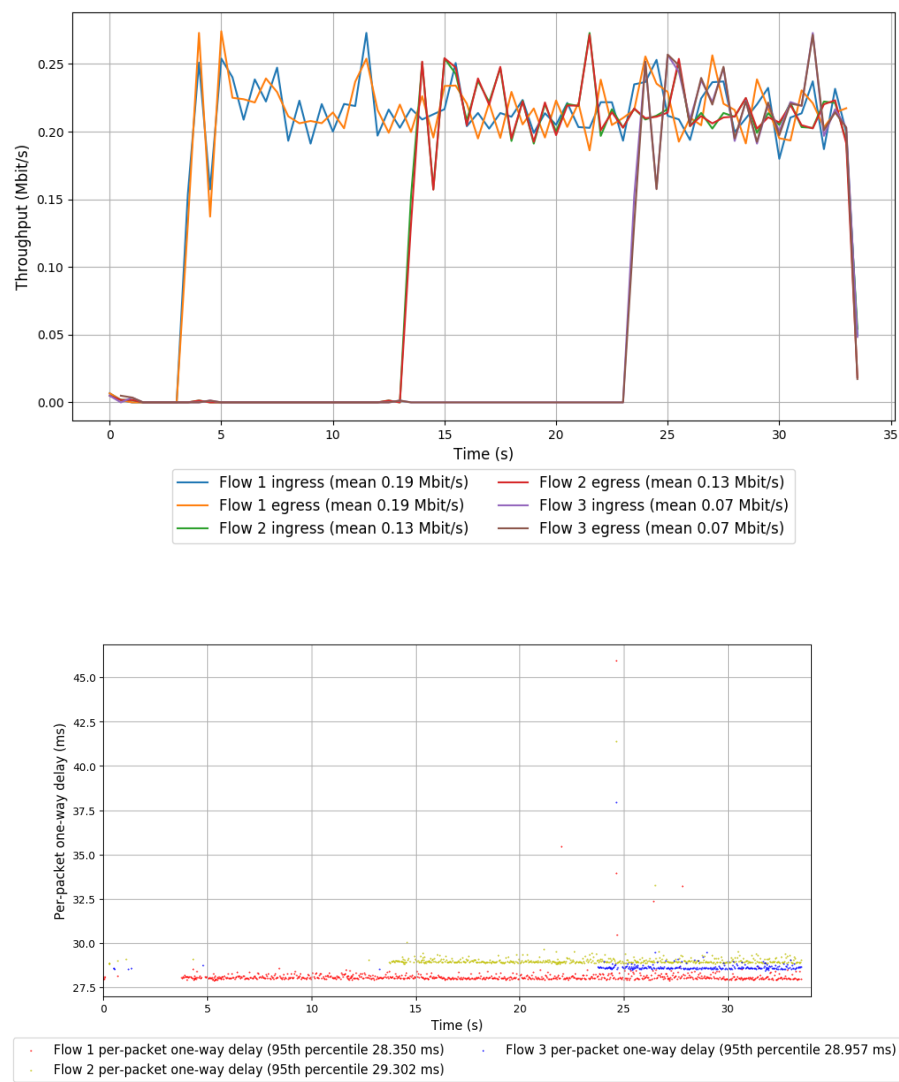
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 28.957 ms

Loss rate: 1.10%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:39:13 +0000

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

Local clock offset: 0.307 ms

Remote clock offset: -30.521 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 27.406 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 27.470 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 26.701 ms

Loss rate: 0.63%

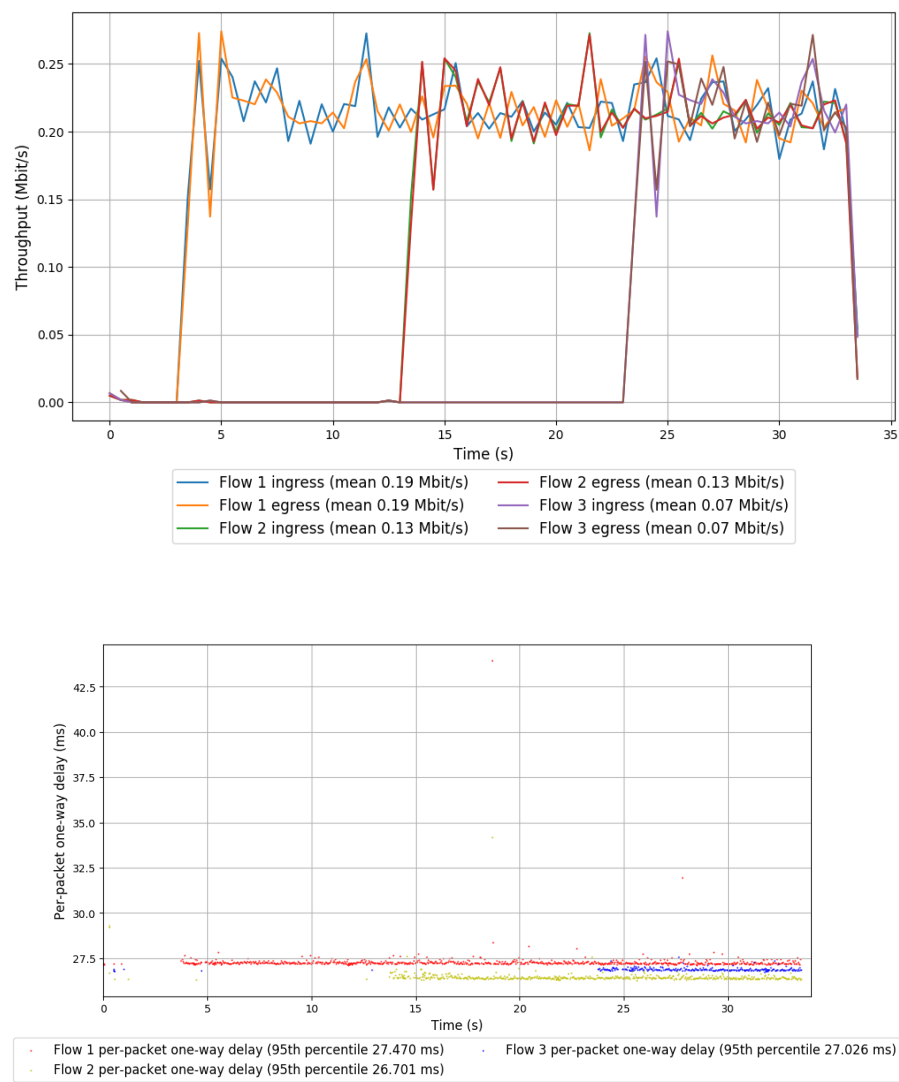
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 27.026 ms

Loss rate: 1.10%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:57:32 +0000

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

Local clock offset: 0.282 ms

Remote clock offset: -31.48 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 26.623 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 25.986 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 25.568 ms

Loss rate: 0.63%

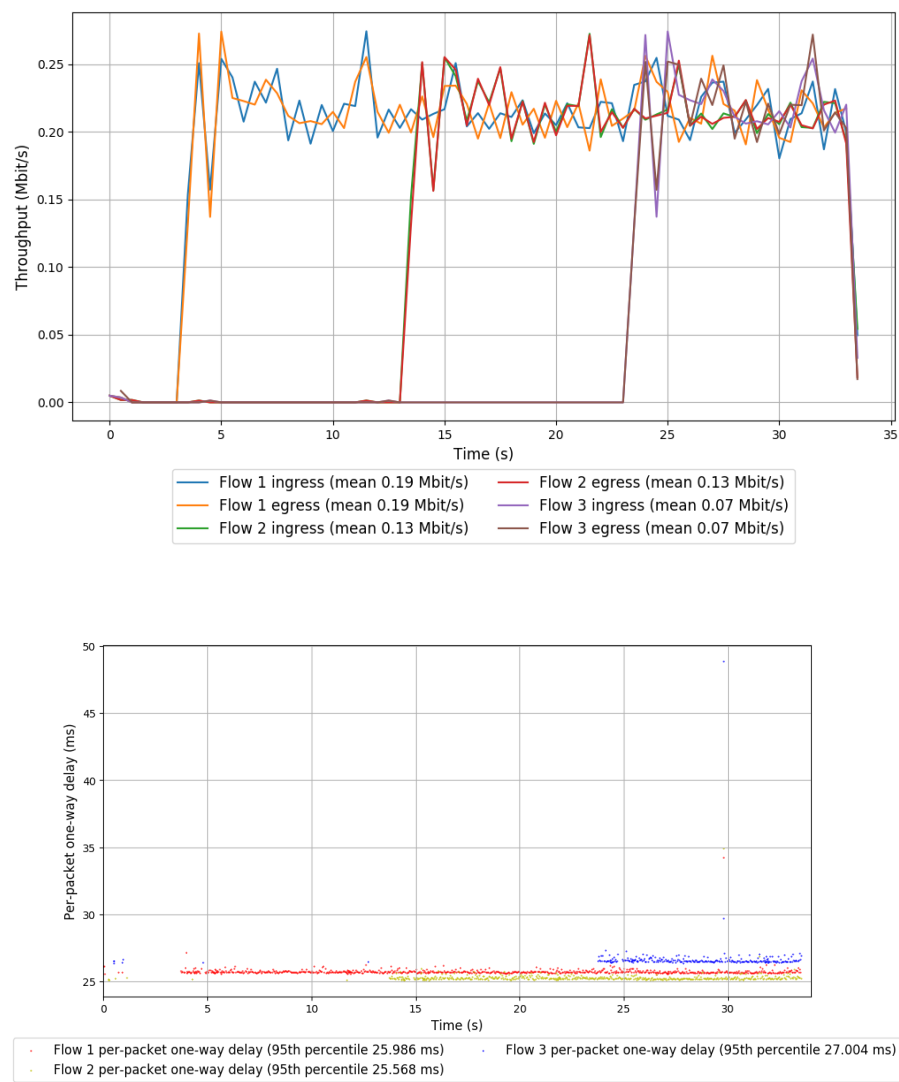
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 27.004 ms

Loss rate: 0.75%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 00:15:52 +0000

End at: Wed, 05 Jul 2017 00:16:22 +0000

Local clock offset: 0.358 ms

Remote clock offset: -32.643 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 26.086 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 26.144 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 26.045 ms

Loss rate: 0.63%

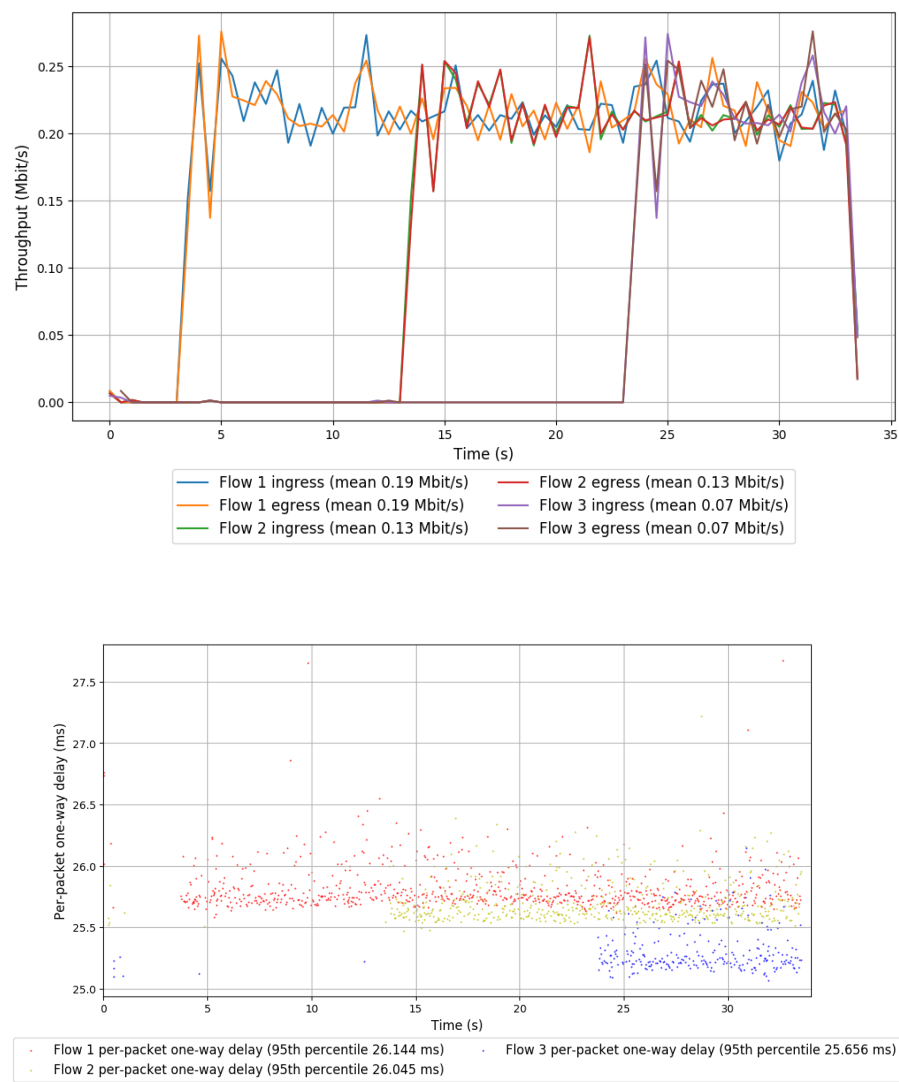
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 25.656 ms

Loss rate: 1.10%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Wed, 05 Jul 2017 00:34:21 +0000

End at: Wed, 05 Jul 2017 00:34:51 +0000

Local clock offset: 0.325 ms

Remote clock offset: -32.668 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 25.535 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 25.297 ms

Loss rate: 0.38%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 25.449 ms

Loss rate: 0.63%

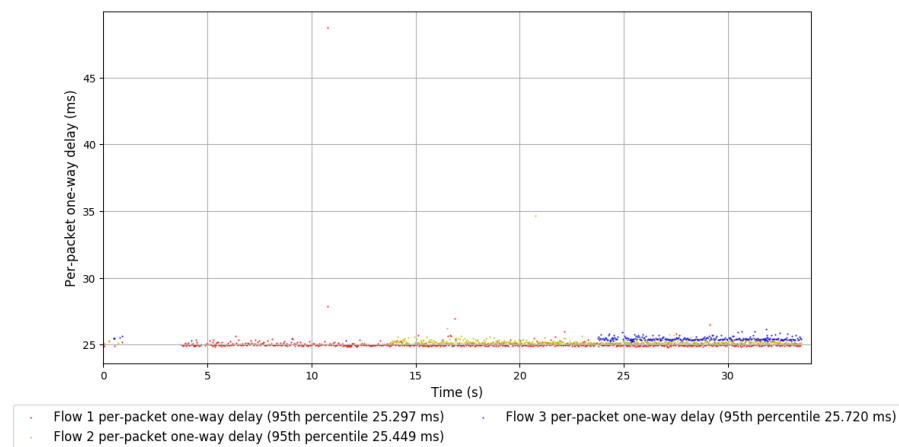
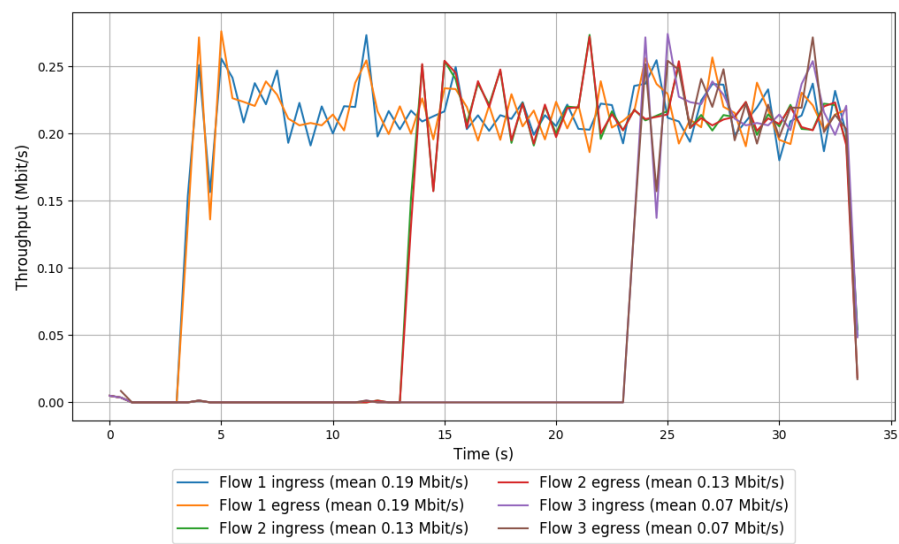
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 25.720 ms

Loss rate: 1.10%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Tue, 04 Jul 2017 21:43:06 +0000

End at: Tue, 04 Jul 2017 21:43:36 +0000

Local clock offset: 0.323 ms

Remote clock offset: -23.478 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.48 Mbit/s

95th percentile per-packet one-way delay: 35.566 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 6.43 Mbit/s

95th percentile per-packet one-way delay: 35.536 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 4.16 Mbit/s

95th percentile per-packet one-way delay: 35.675 ms

Loss rate: 0.00%

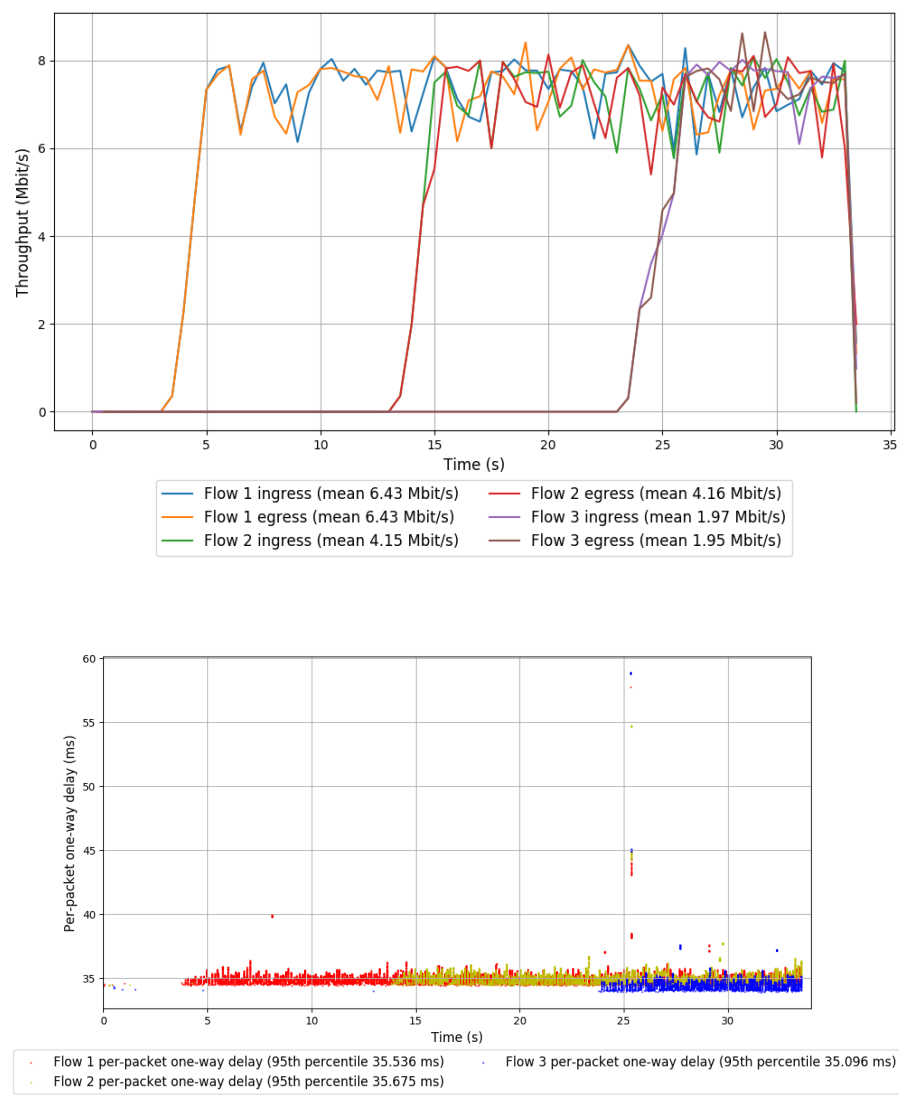
-- Flow 3:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 35.096 ms

Loss rate: 1.22%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

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

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

Local clock offset: 0.347 ms

Remote clock offset: -22.524 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.63 Mbit/s

95th percentile per-packet one-way delay: 36.103 ms

Loss rate: 0.80%

-- Flow 1:

Average throughput: 6.11 Mbit/s

95th percentile per-packet one-way delay: 35.766 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 36.287 ms

Loss rate: 0.48%

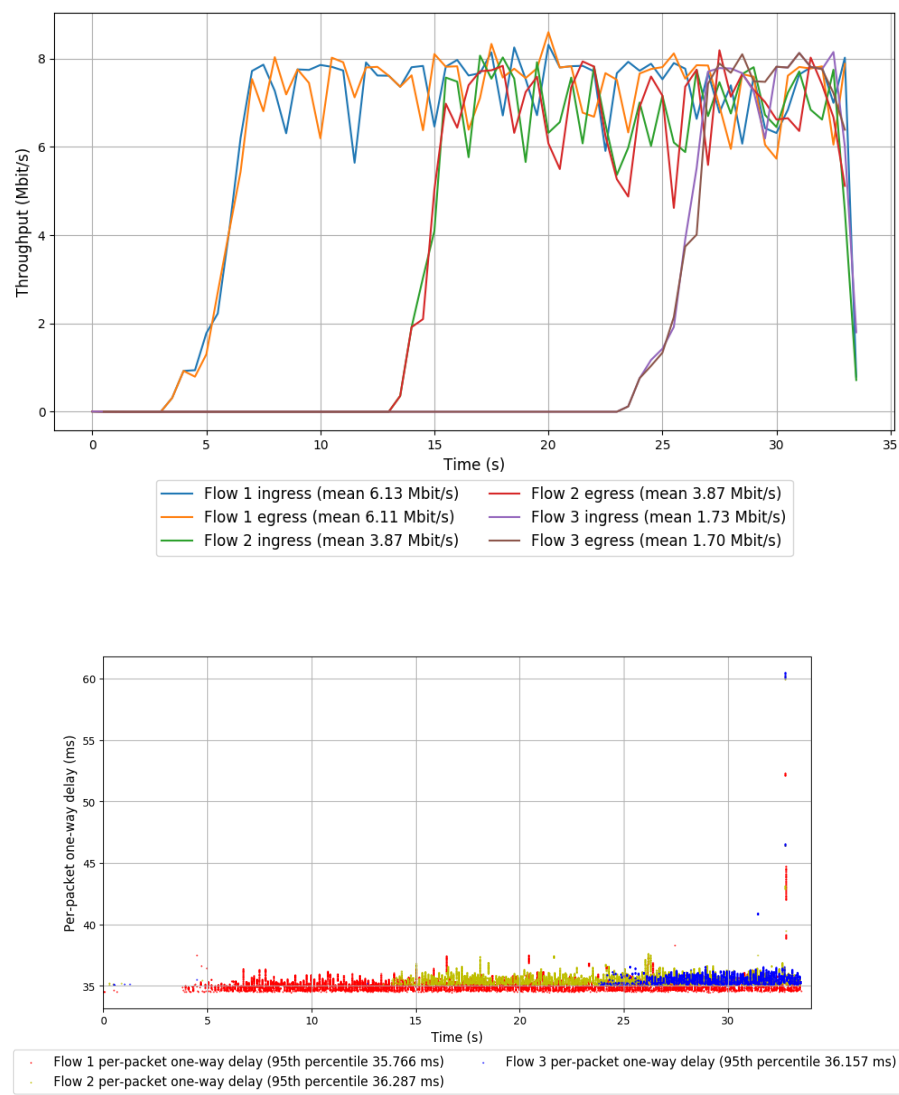
-- Flow 3:

Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: 36.157 ms

Loss rate: 2.05%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Tue, 04 Jul 2017 22:20:04 +0000

End at: Tue, 04 Jul 2017 22:20:34 +0000

Local clock offset: 0.299 ms

Remote clock offset: -23.958 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.90 Mbit/s

95th percentile per-packet one-way delay: 35.230 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 5.93 Mbit/s

95th percentile per-packet one-way delay: 35.316 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 34.996 ms

Loss rate: 0.87%

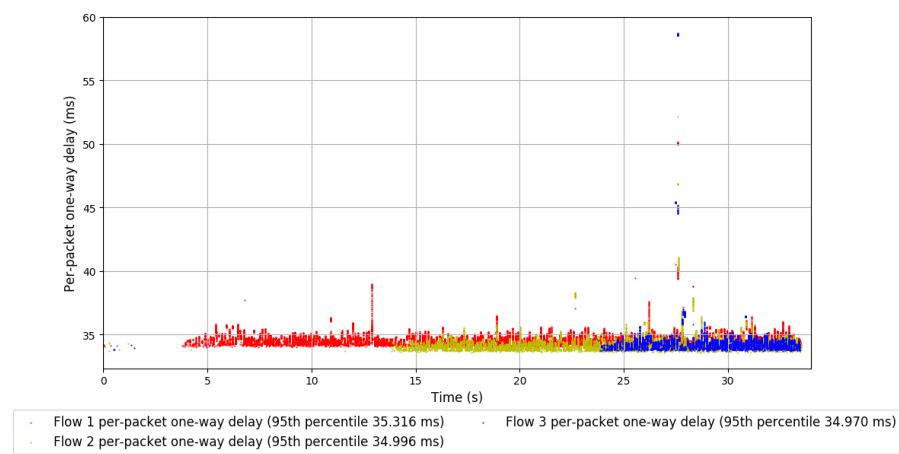
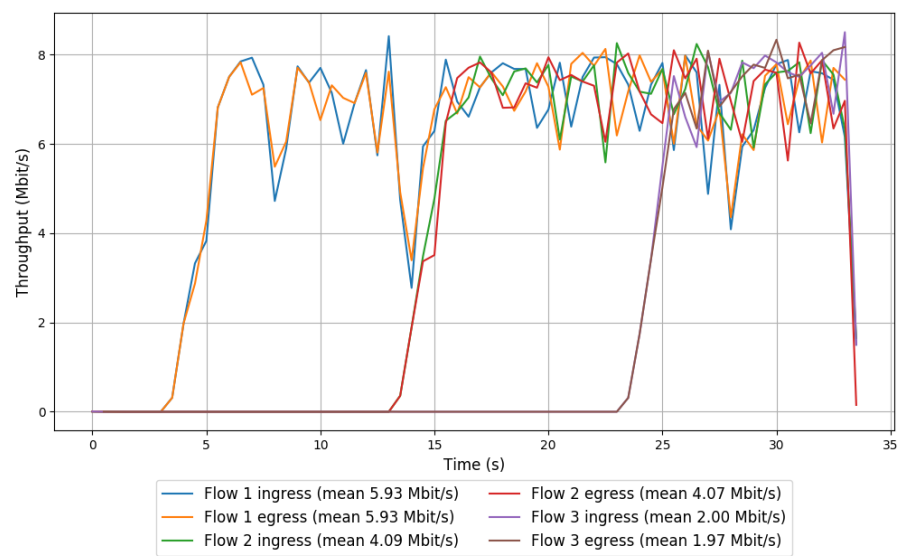
-- Flow 3:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 34.970 ms

Loss rate: 1.74%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Tue, 04 Jul 2017 22:38:29 +0000

End at: Tue, 04 Jul 2017 22:38:59 +0000

Local clock offset: 0.297 ms

Remote clock offset: -25.568 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.32 Mbit/s

95th percentile per-packet one-way delay: 32.853 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 32.446 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 33.171 ms

Loss rate: 0.81%

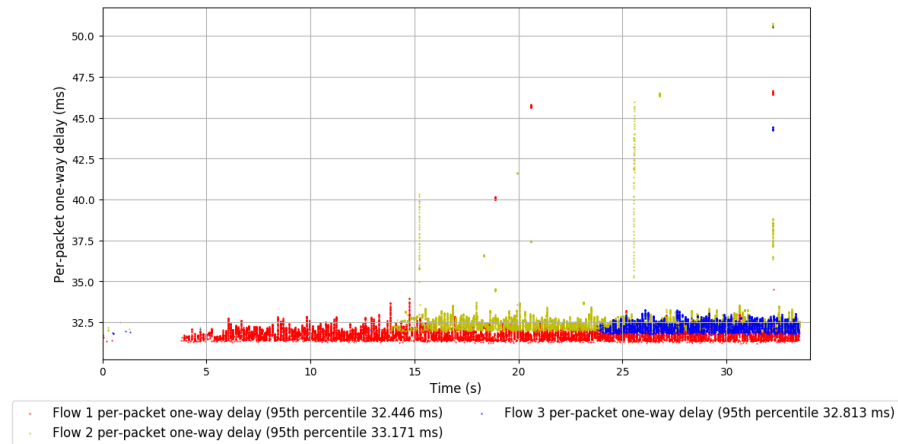
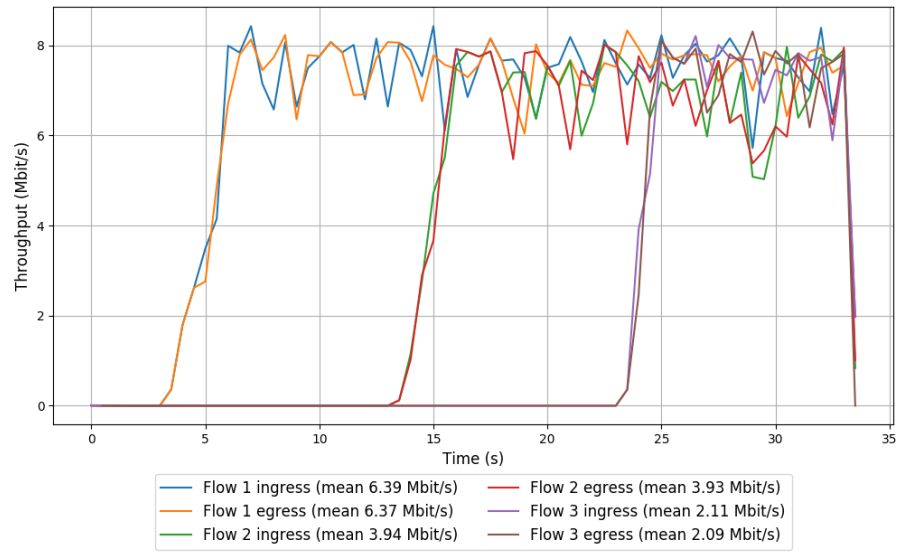
-- Flow 3:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 32.813 ms

Loss rate: 1.42%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Tue, 04 Jul 2017 22:56:58 +0000

End at: Tue, 04 Jul 2017 22:57:28 +0000

Local clock offset: 0.286 ms

Remote clock offset: -27.709 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 31.540 ms

Loss rate: 0.60%

-- Flow 1:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 31.254 ms

Loss rate: 0.53%

-- Flow 2:

Average throughput: 4.25 Mbit/s

95th percentile per-packet one-way delay: 31.220 ms

Loss rate: 0.68%

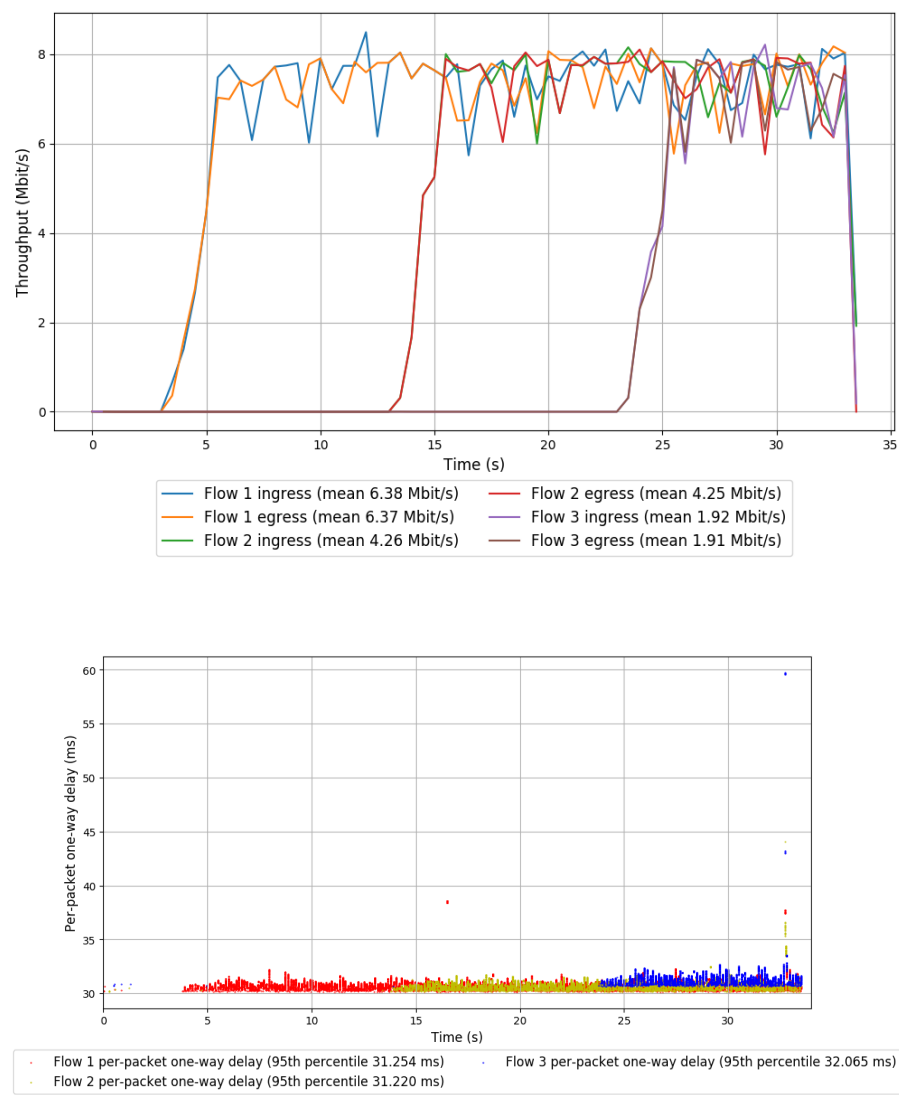
-- Flow 3:

Average throughput: 1.91 Mbit/s

95th percentile per-packet one-way delay: 32.065 ms

Loss rate: 0.68%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:15:34 +0000

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

Local clock offset: 0.221 ms

Remote clock offset: -28.817 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 30.394 ms

Loss rate: 0.85%

-- Flow 1:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 29.124 ms

Loss rate: 0.55%

-- Flow 2:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 30.437 ms

Loss rate: 0.47%

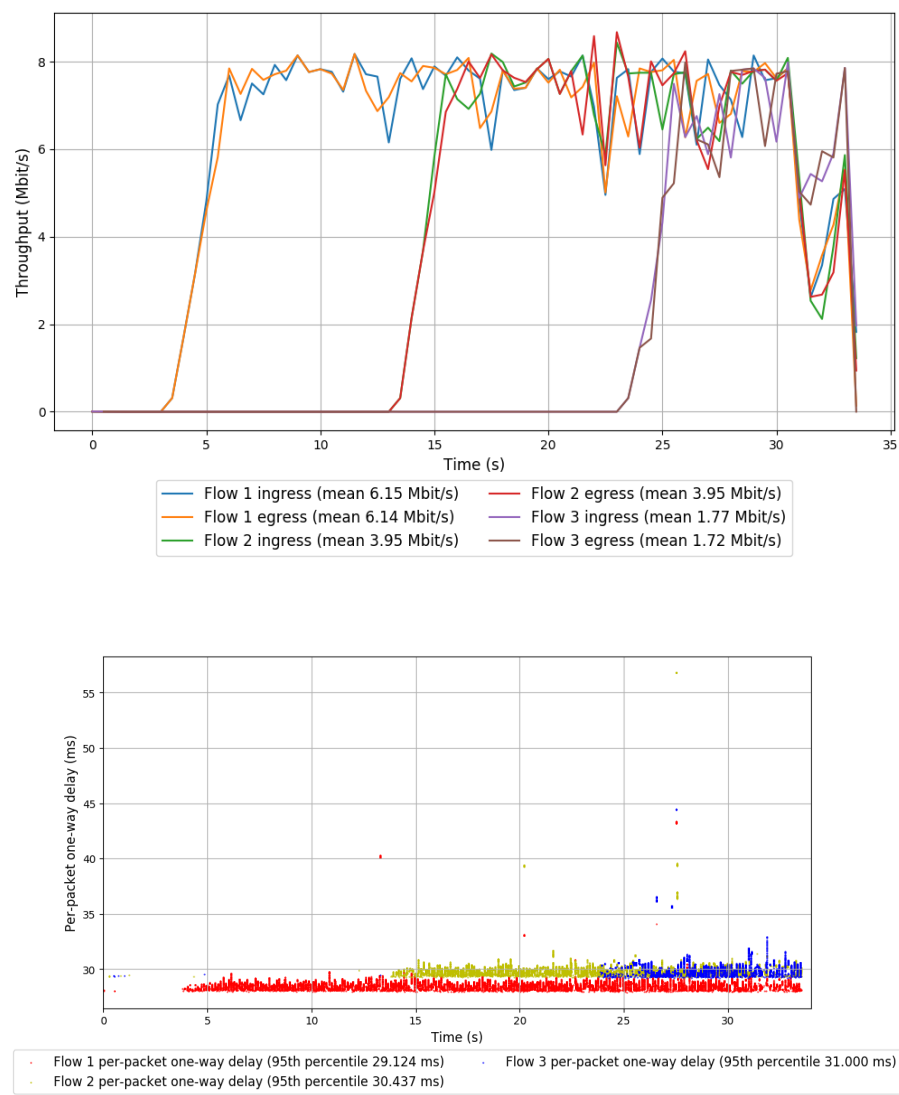
-- Flow 3:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 31.000 ms

Loss rate: 2.77%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:34:08 +0000

End at: Tue, 04 Jul 2017 23:34:38 +0000

Local clock offset: 0.288 ms

Remote clock offset: -30.4 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.11 Mbit/s

95th percentile per-packet one-way delay: 28.588 ms

Loss rate: 0.79%

-- Flow 1:

Average throughput: 6.17 Mbit/s

95th percentile per-packet one-way delay: 28.150 ms

Loss rate: 0.44%

-- Flow 2:

Average throughput: 4.06 Mbit/s

95th percentile per-packet one-way delay: 28.359 ms

Loss rate: 0.99%

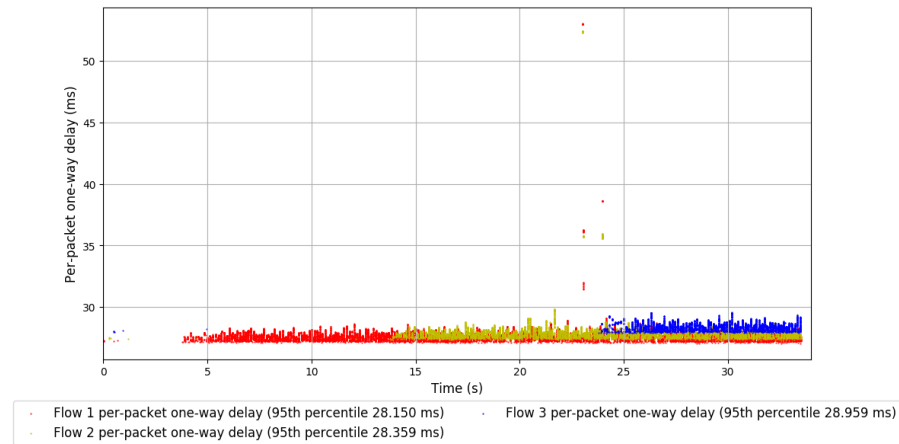
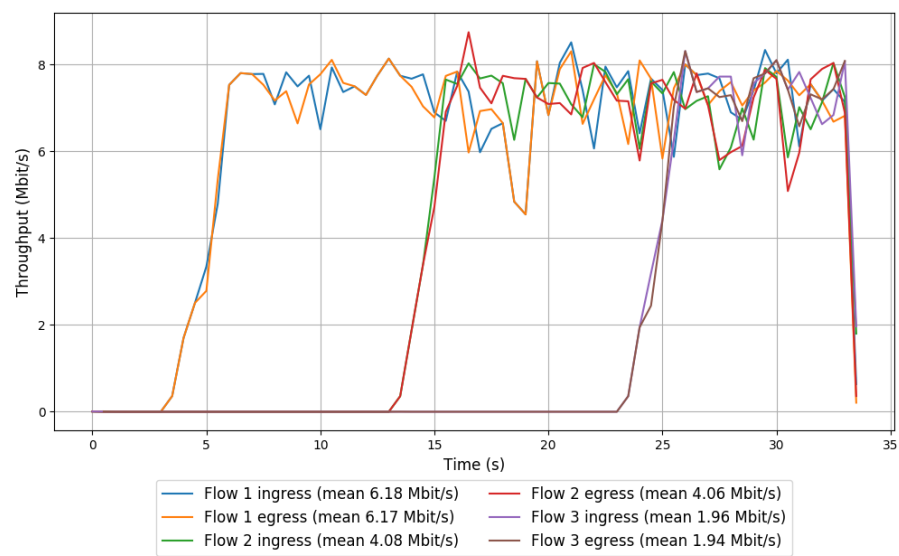
-- Flow 3:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 28.959 ms

Loss rate: 1.51%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:52:36 +0000

End at: Tue, 04 Jul 2017 23:53:06 +0000

Local clock offset: 0.332 ms

Remote clock offset: -31.135 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.54 Mbit/s

95th percentile per-packet one-way delay: 27.113 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 6.52 Mbit/s

95th percentile per-packet one-way delay: 26.994 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 27.038 ms

Loss rate: 0.46%

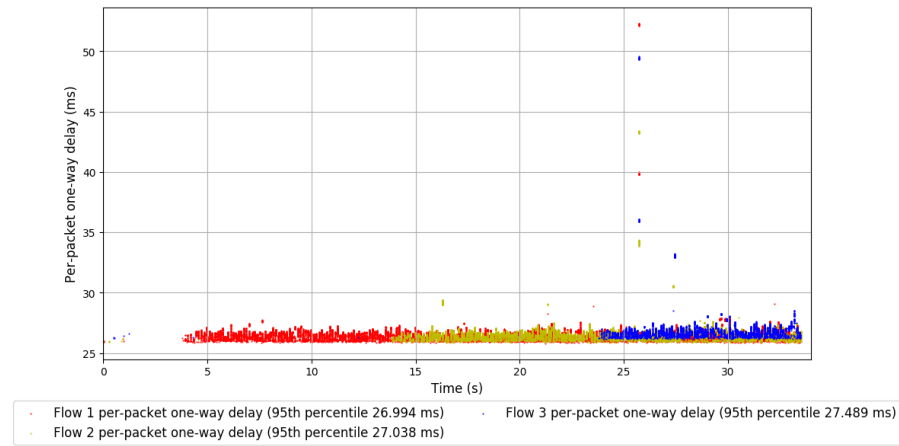
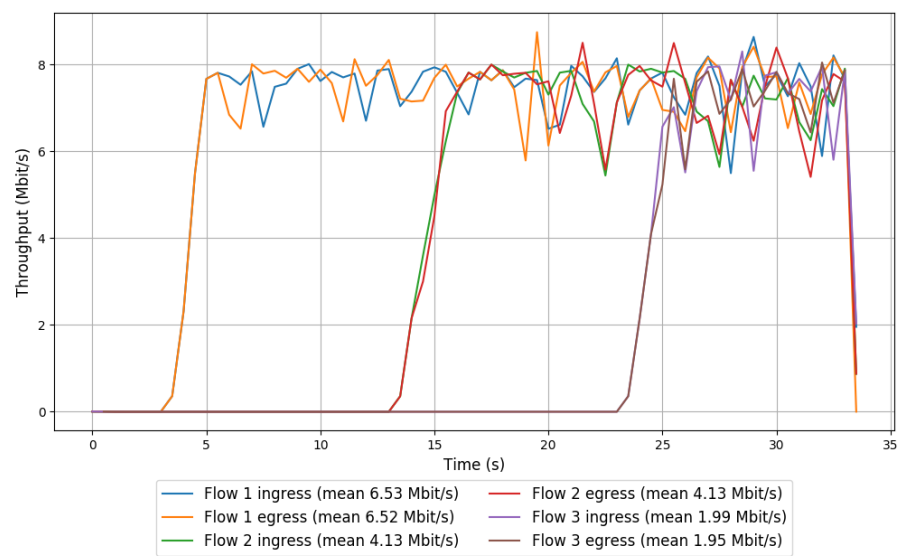
-- Flow 3:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 27.489 ms

Loss rate: 2.17%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Wed, 05 Jul 2017 00:10:51 +0000

End at: Wed, 05 Jul 2017 00:11:21 +0000

Local clock offset: 0.277 ms

Remote clock offset: -32.458 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:40:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.41 Mbit/s

95th percentile per-packet one-way delay: 26.369 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 26.290 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 4.20 Mbit/s

95th percentile per-packet one-way delay: 26.544 ms

Loss rate: 0.68%

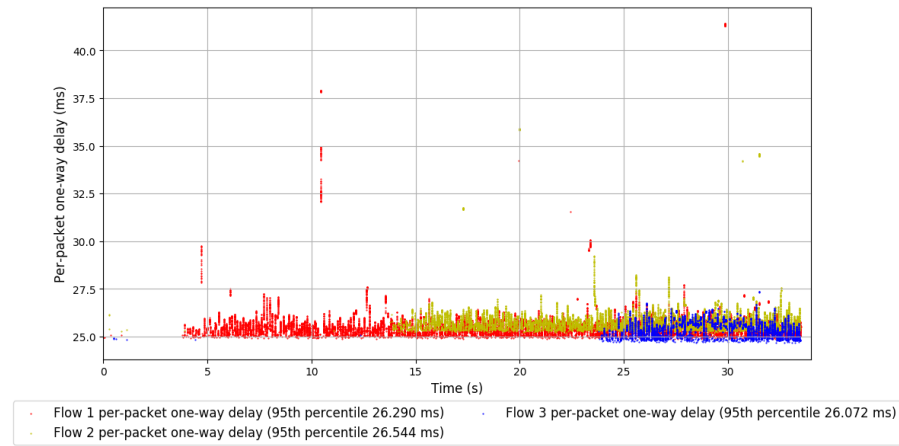
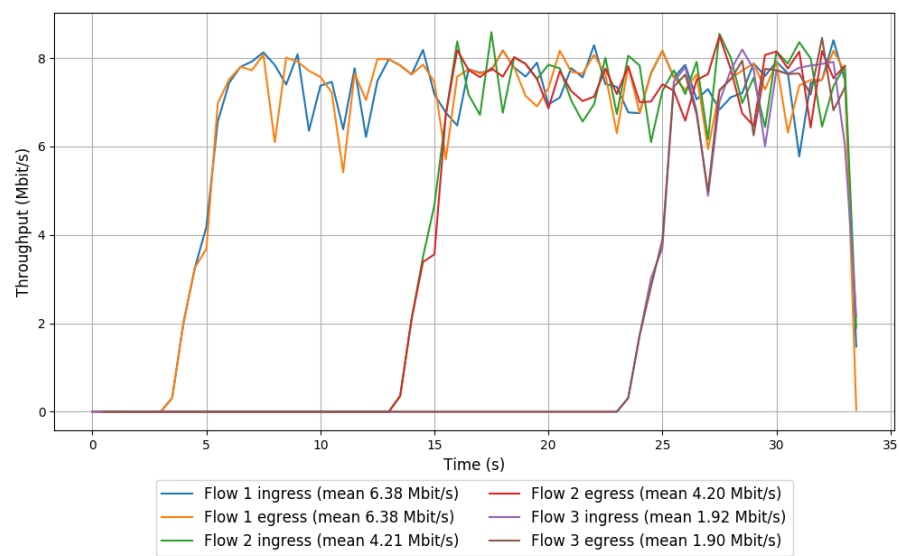
-- Flow 3:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 26.072 ms

Loss rate: 1.86%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Wed, 05 Jul 2017 00:29:25 +0000

End at: Wed, 05 Jul 2017 00:29:55 +0000

Local clock offset: 0.352 ms

Remote clock offset: -32.564 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:41:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.39 Mbit/s

95th percentile per-packet one-way delay: 26.580 ms

Loss rate: 0.56%

-- Flow 1:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 26.666 ms

Loss rate: 0.54%

-- Flow 2:

Average throughput: 4.24 Mbit/s

95th percentile per-packet one-way delay: 26.561 ms

Loss rate: 0.49%

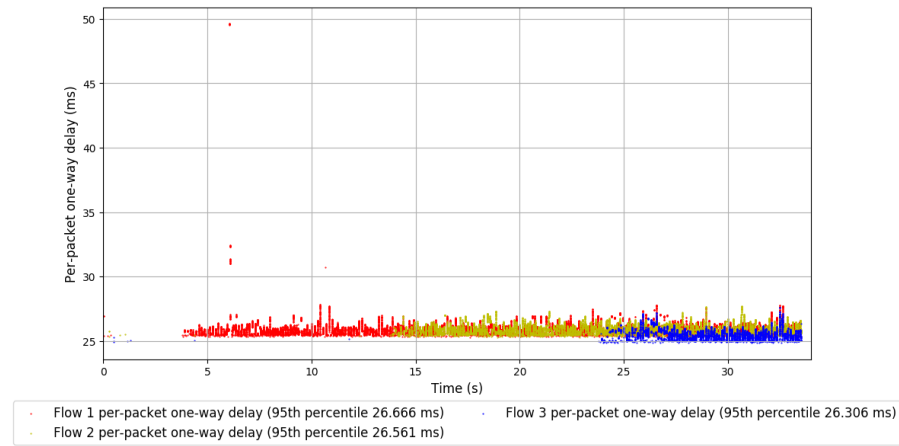
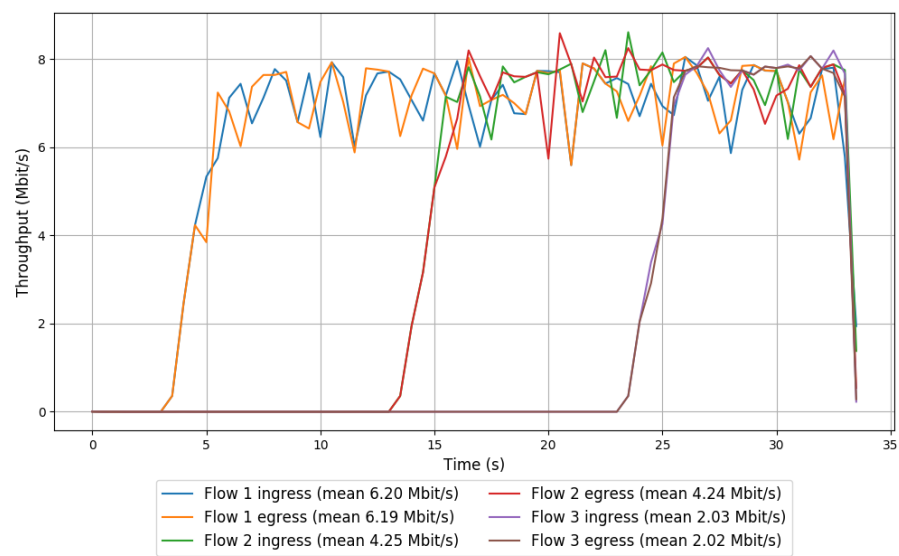
-- Flow 3:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 26.306 ms

Loss rate: 0.80%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

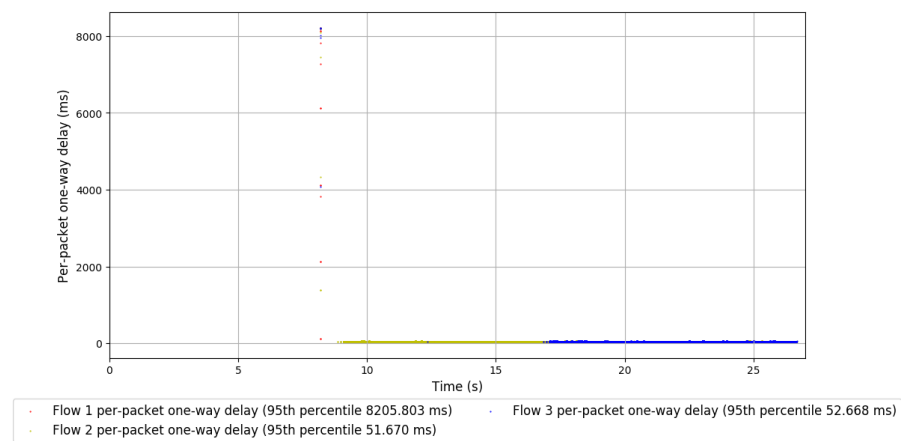
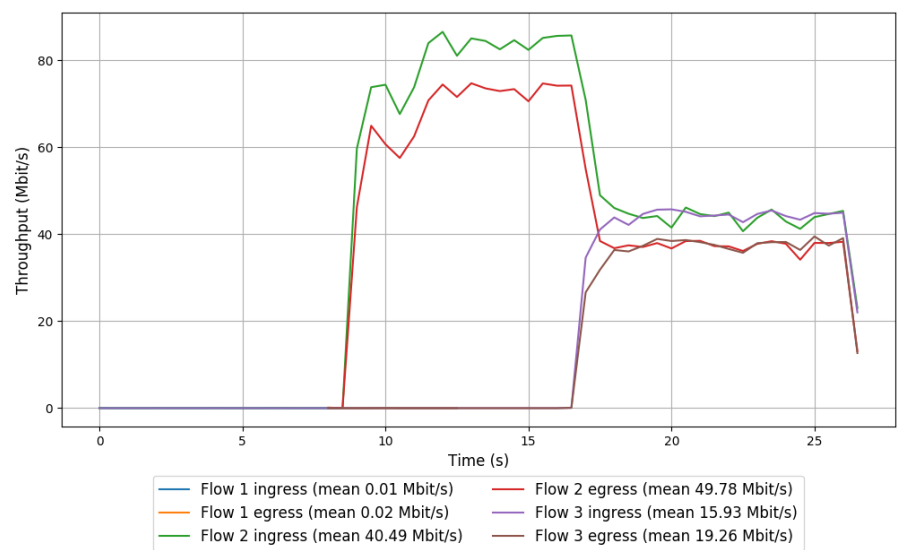
Start at: Tue, 04 Jul 2017 21:52:44 +0000

End at: Tue, 04 Jul 2017 21:53:14 +0000

Local clock offset: 0.313 ms

Remote clock offset: -23.006 ms

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



Run 2: Statistics of TaoVA-100x

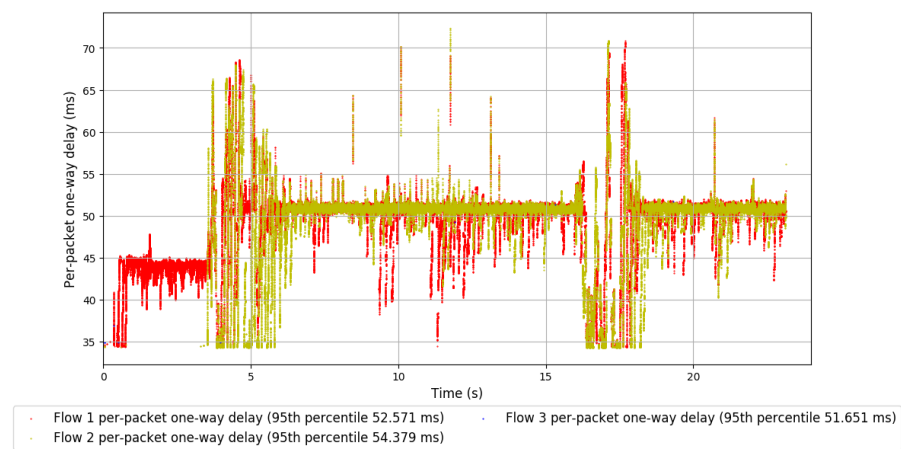
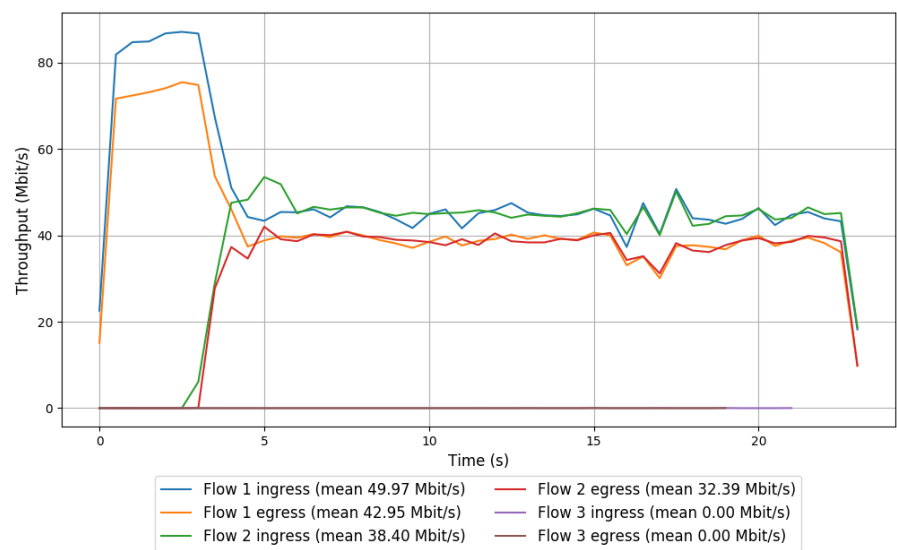
Start at: Tue, 04 Jul 2017 22:11:17 +0000

End at: Tue, 04 Jul 2017 22:11:47 +0000

Local clock offset: 0.331 ms

Remote clock offset: -23.556 ms

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



Run 3: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:29:43 +0000

End at: Tue, 04 Jul 2017 22:30:13 +0000

Local clock offset: 0.298 ms

Remote clock offset: -25.183 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:41:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.02 Mbit/s

95th percentile per-packet one-way delay: 50.752 ms

Loss rate: 16.37%

-- Flow 1:

Average throughput: 53.74 Mbit/s

95th percentile per-packet one-way delay: 49.779 ms

Loss rate: 15.62%

-- Flow 2:

Average throughput: 2.86 Mbit/s

95th percentile per-packet one-way delay: 51.211 ms

Loss rate: 19.59%

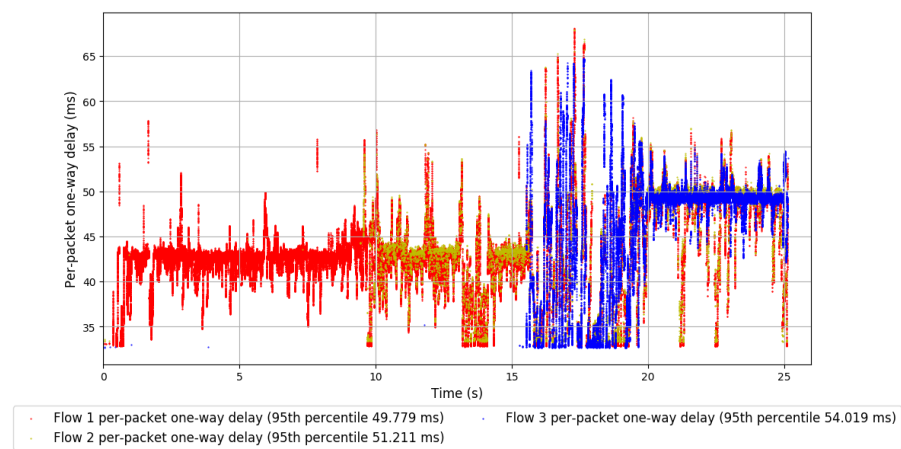
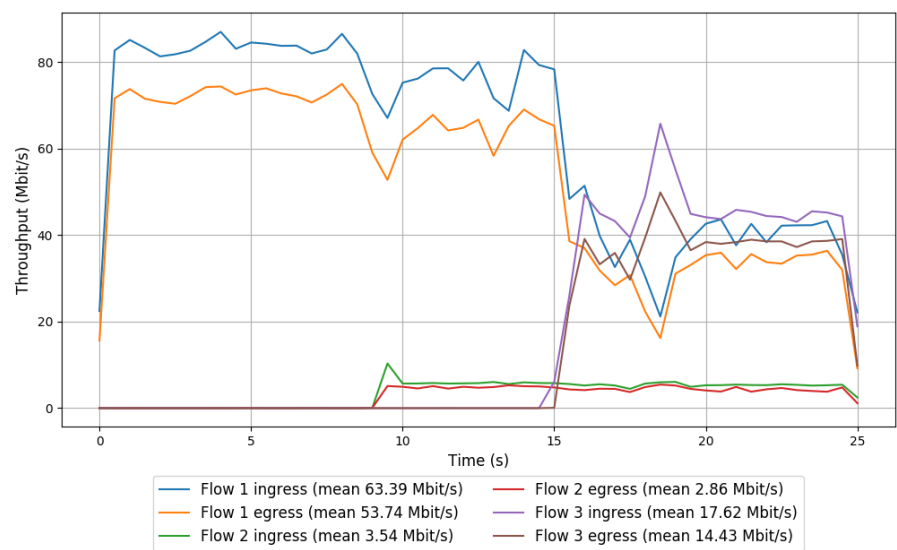
-- Flow 3:

Average throughput: 14.43 Mbit/s

95th percentile per-packet one-way delay: 54.019 ms

Loss rate: 18.42%

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



Run 4: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:48:11 +0000

End at: Tue, 04 Jul 2017 22:48:41 +0000

Local clock offset: 0.235 ms

Remote clock offset: -26.753 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:41:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.85 Mbit/s

95th percentile per-packet one-way delay: 49.968 ms

Loss rate: 15.38%

-- Flow 1:

Average throughput: 47.67 Mbit/s

95th percentile per-packet one-way delay: 49.003 ms

Loss rate: 14.75%

-- Flow 2:

Average throughput: 25.62 Mbit/s

95th percentile per-packet one-way delay: 51.049 ms

Loss rate: 16.18%

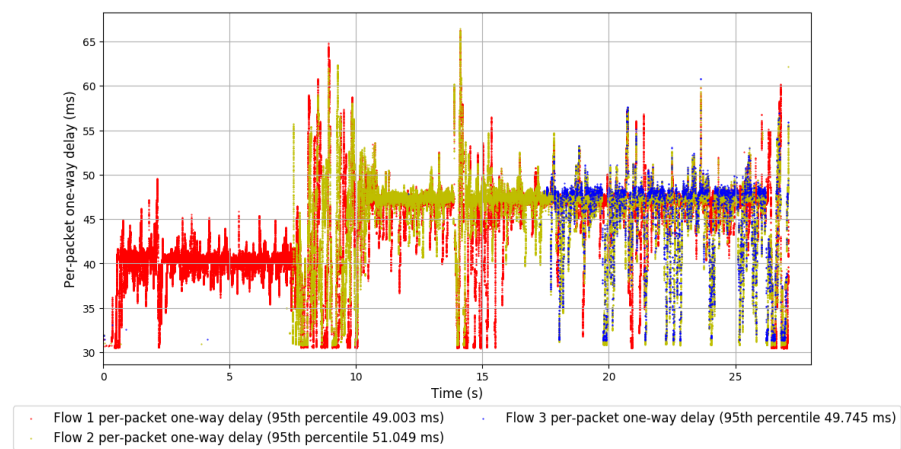
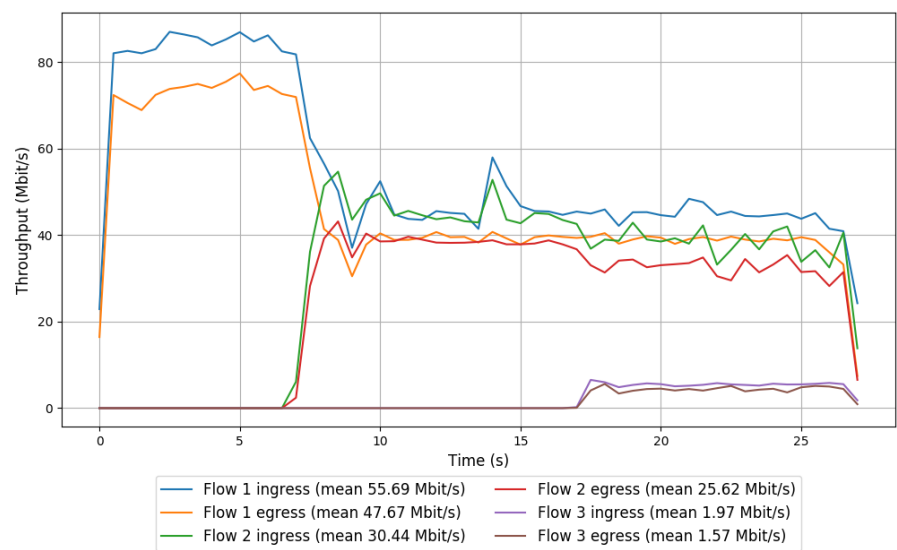
-- Flow 3:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 49.745 ms

Loss rate: 20.67%

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



Run 5: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 23:06:41 +0000

End at: Tue, 04 Jul 2017 23:07:11 +0000

Local clock offset: 0.299 ms

Remote clock offset: -28.304 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:41:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.31 Mbit/s

95th percentile per-packet one-way delay: 48.249 ms

Loss rate: 15.69%

-- Flow 1:

Average throughput: 48.42 Mbit/s

95th percentile per-packet one-way delay: 47.631 ms

Loss rate: 13.88%

-- Flow 2:

Average throughput: 20.94 Mbit/s

95th percentile per-packet one-way delay: 50.536 ms

Loss rate: 17.27%

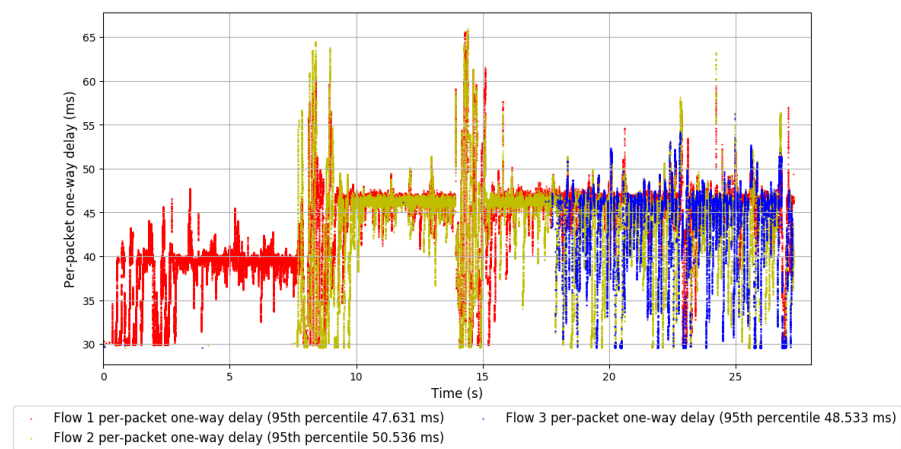
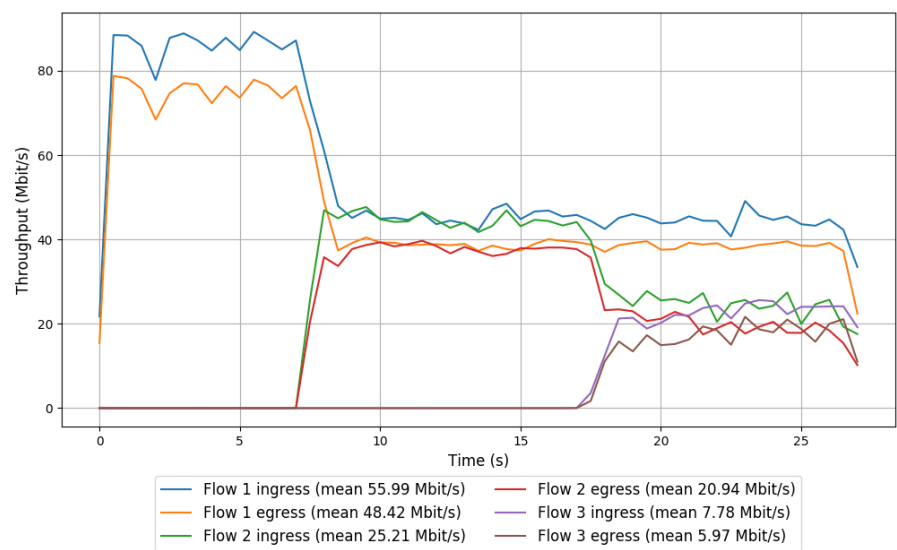
-- Flow 3:

Average throughput: 5.97 Mbit/s

95th percentile per-packet one-way delay: 48.533 ms

Loss rate: 23.59%

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



Run 6: Statistics of TaoVA-100x

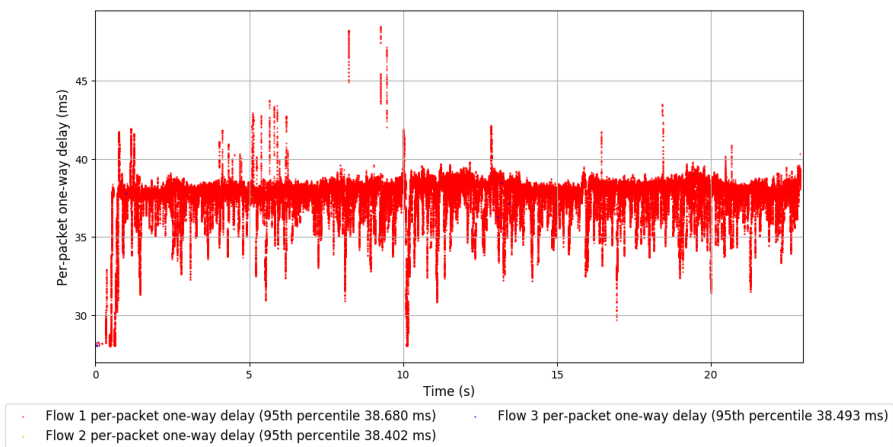
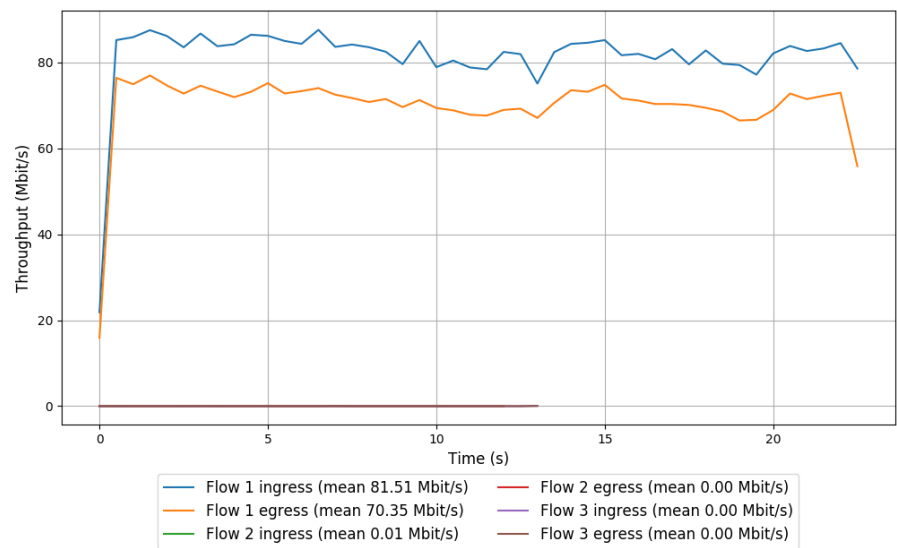
Start at: Tue, 04 Jul 2017 23:25:21 +0000

End at: Tue, 04 Jul 2017 23:25:51 +0000

Local clock offset: 0.228 ms

Remote clock offset: -29.69 ms

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



Run 7: Statistics of TaoVA-100x

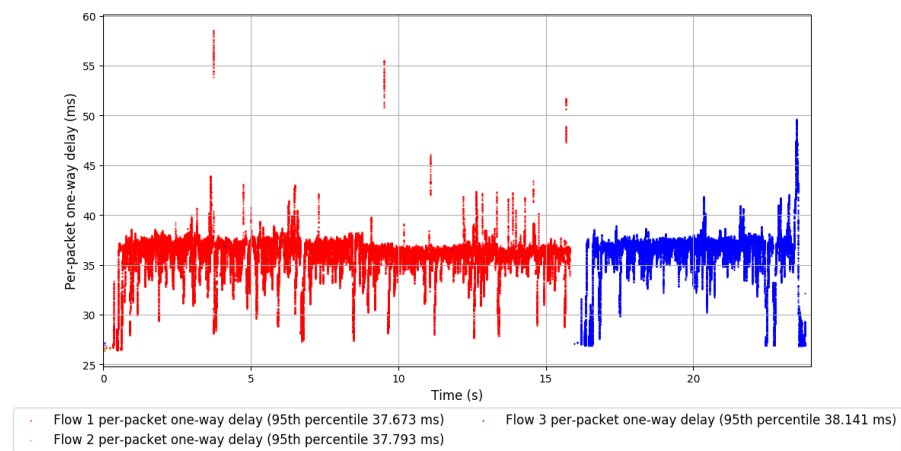
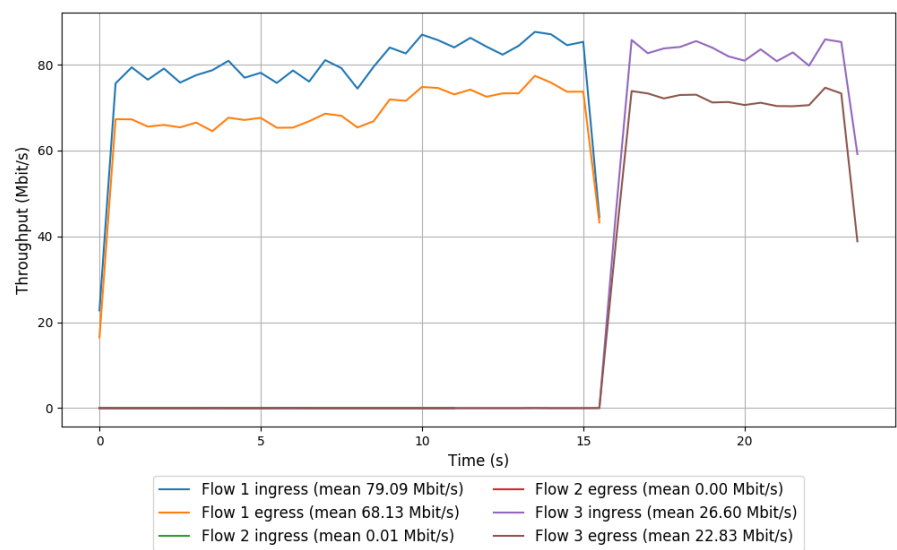
Start at: Tue, 04 Jul 2017 23:43:58 +0000

End at: Tue, 04 Jul 2017 23:44:28 +0000

Local clock offset: 0.368 ms

Remote clock offset: -30.988 ms

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



Run 8: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 00:02:16 +0000

End at: Wed, 05 Jul 2017 00:02:46 +0000

Local clock offset: 0.282 ms

Remote clock offset: -32.191 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:41:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.76 Mbit/s

95th percentile per-packet one-way delay: 37.669 ms

Loss rate: 15.14%

-- Flow 1:

Average throughput: 67.14 Mbit/s

95th percentile per-packet one-way delay: 37.632 ms

Loss rate: 15.05%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 31.783 ms

Loss rate: 61.29%

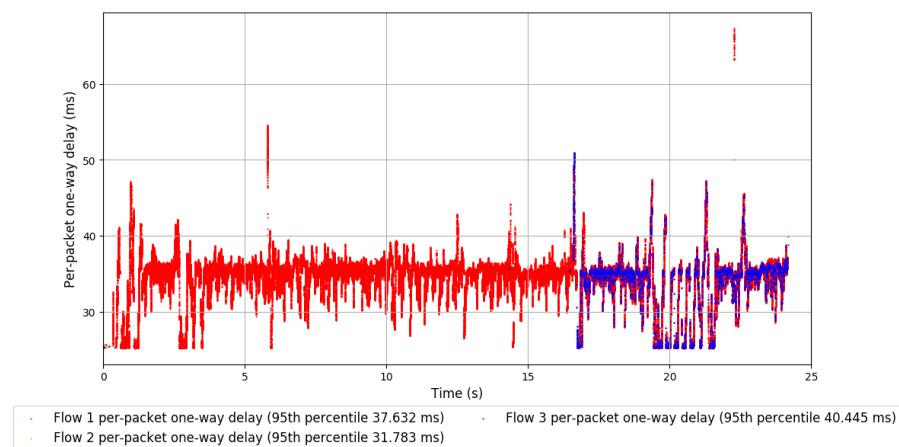
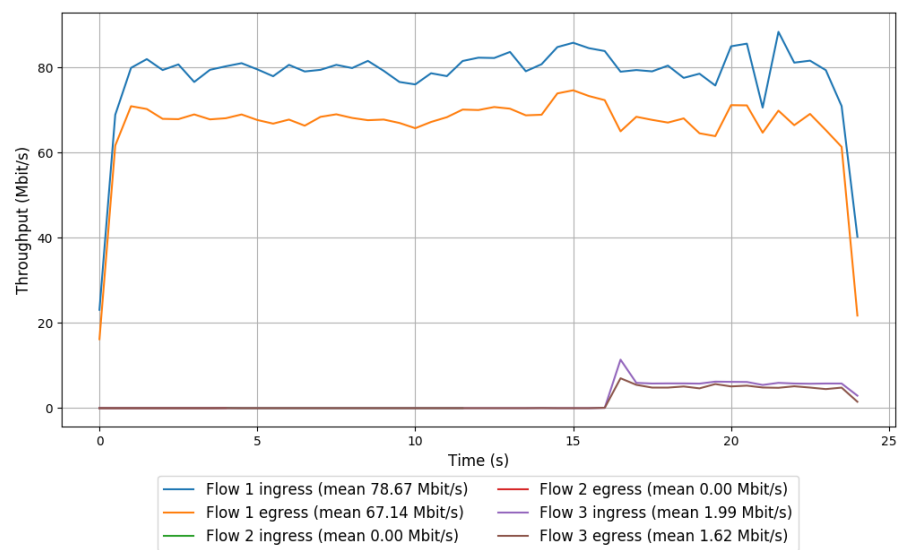
-- Flow 3:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 40.445 ms

Loss rate: 18.77%

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



Run 9: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 00:20:36 +0000

End at: Wed, 05 Jul 2017 00:21:06 +0000

Local clock offset: 0.352 ms

Remote clock offset: -32.504 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.43 Mbit/s

95th percentile per-packet one-way delay: 45.974 ms

Loss rate: 16.88%

-- Flow 1:

Average throughput: 54.42 Mbit/s

95th percentile per-packet one-way delay: 42.742 ms

Loss rate: 15.35%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 25.744 ms

Loss rate: 0.00%

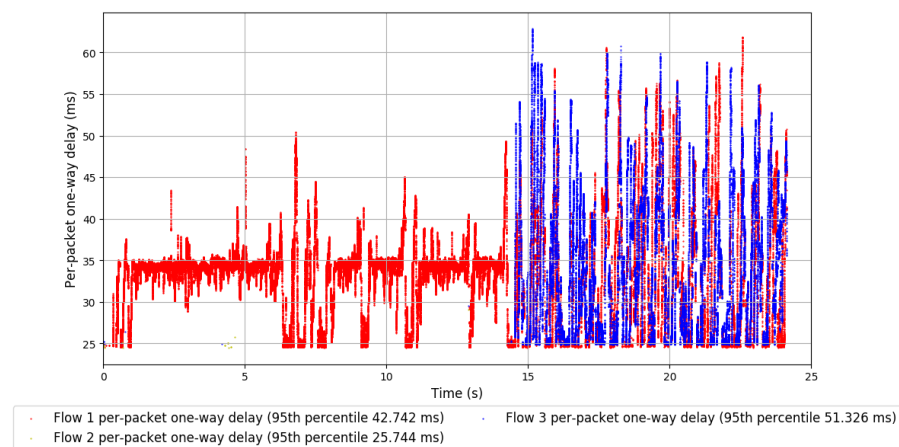
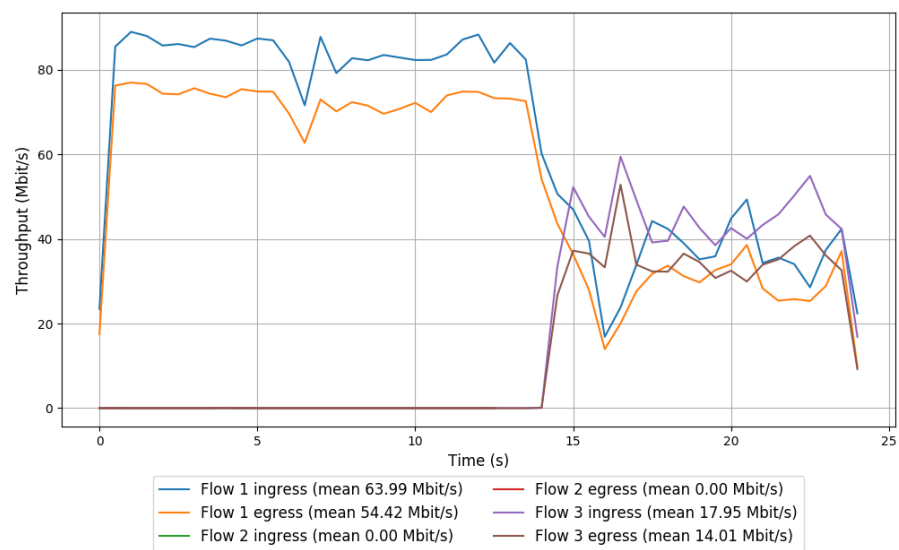
-- Flow 3:

Average throughput: 14.01 Mbit/s

95th percentile per-packet one-way delay: 51.326 ms

Loss rate: 22.32%

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



Run 10: Statistics of TaoVA-100x

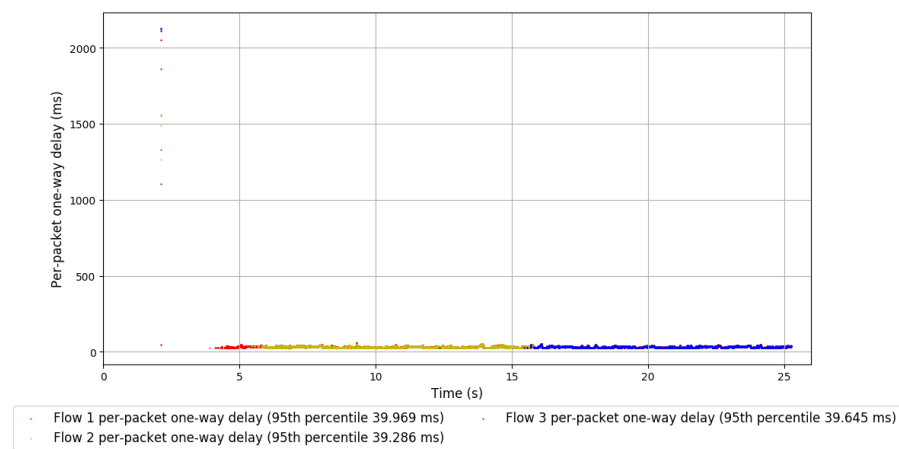
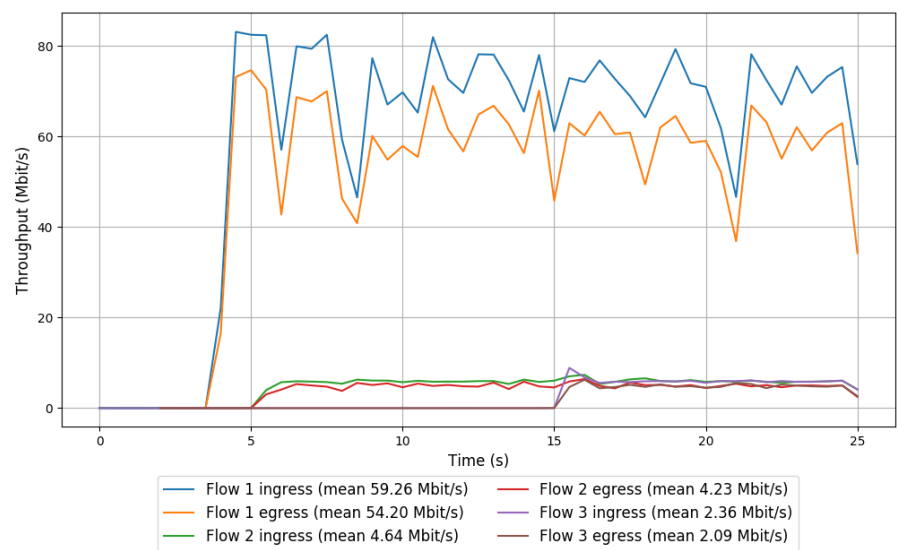
Start at: Wed, 05 Jul 2017 00:39:05 +0000

End at: Wed, 05 Jul 2017 00:39:35 +0000

Local clock offset: 0.372 ms

Remote clock offset: -32.692 ms

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:50:23 +0000

End at: Tue, 04 Jul 2017 21:50:53 +0000

Local clock offset: 0.343 ms

Remote clock offset: -22.946 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 22.40 Mbit/s

95th percentile per-packet one-way delay: 35.902 ms

Loss rate: 1.78%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 4612.347 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.80 Mbit/s

95th percentile per-packet one-way delay: 35.746 ms

Loss rate: 1.54%

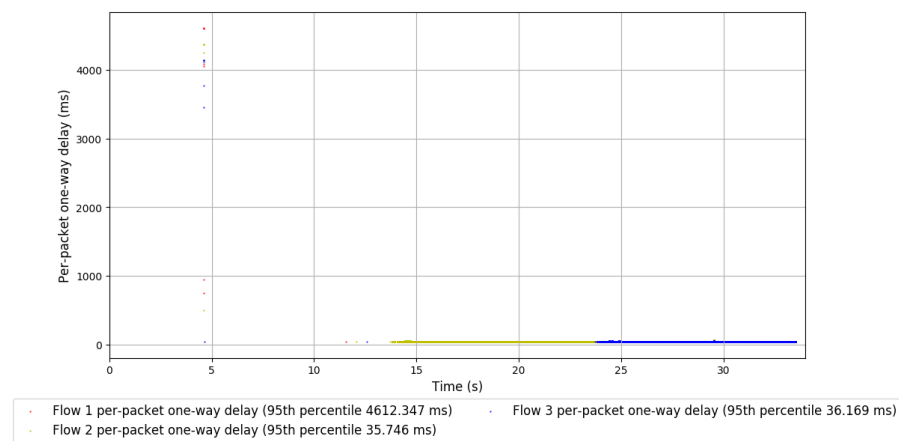
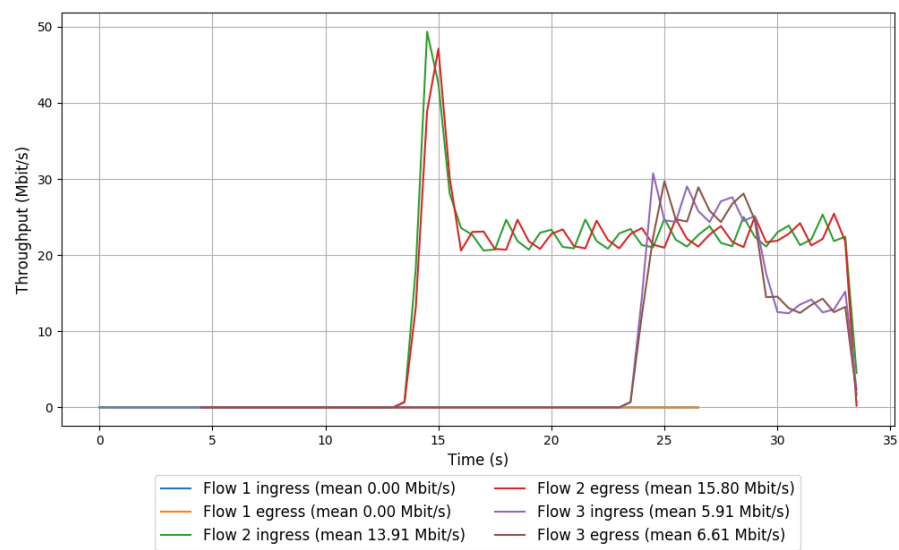
-- Flow 3:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 36.169 ms

Loss rate: 2.36%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:08:54 +0000

End at: Tue, 04 Jul 2017 22:09:24 +0000

Local clock offset: 0.339 ms

Remote clock offset: -23.343 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 30.30 Mbit/s

95th percentile per-packet one-way delay: 36.425 ms

Loss rate: 1.20%

-- Flow 1:

Average throughput: 13.69 Mbit/s

95th percentile per-packet one-way delay: 35.608 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 9.44 Mbit/s

95th percentile per-packet one-way delay: 36.885 ms

Loss rate: 1.56%

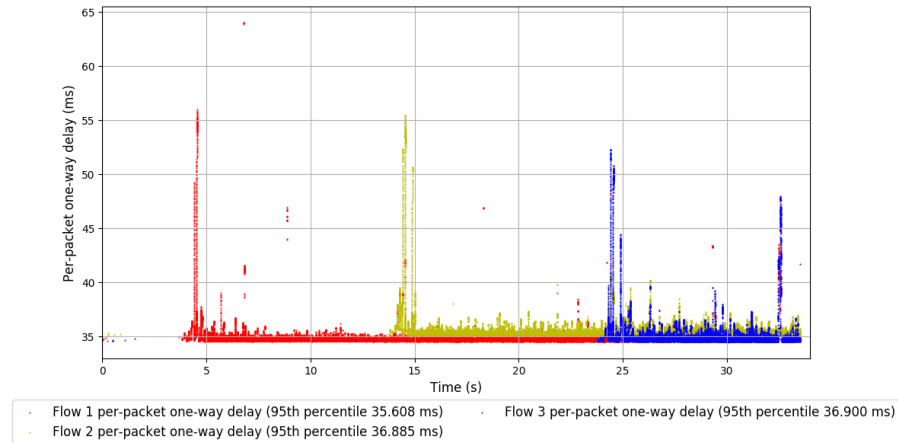
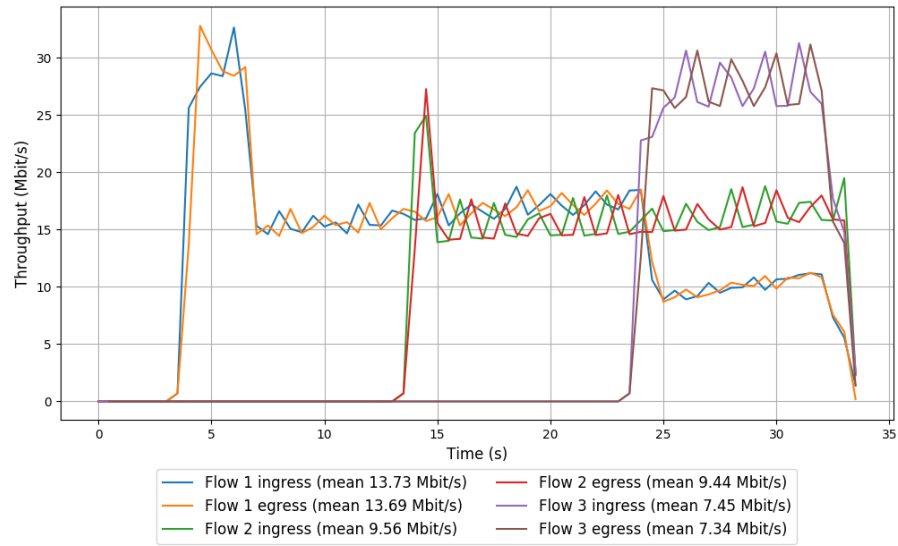
-- Flow 3:

Average throughput: 7.34 Mbit/s

95th percentile per-packet one-way delay: 36.900 ms

Loss rate: 1.76%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

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

End at: Tue, 04 Jul 2017 22:27:52 +0000

Local clock offset: 0.259 ms

Remote clock offset: -24.597 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.56 Mbit/s

95th percentile per-packet one-way delay: 34.288 ms

Loss rate: 2.34%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 4992.097 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.82 Mbit/s

95th percentile per-packet one-way delay: 34.025 ms

Loss rate: 1.47%

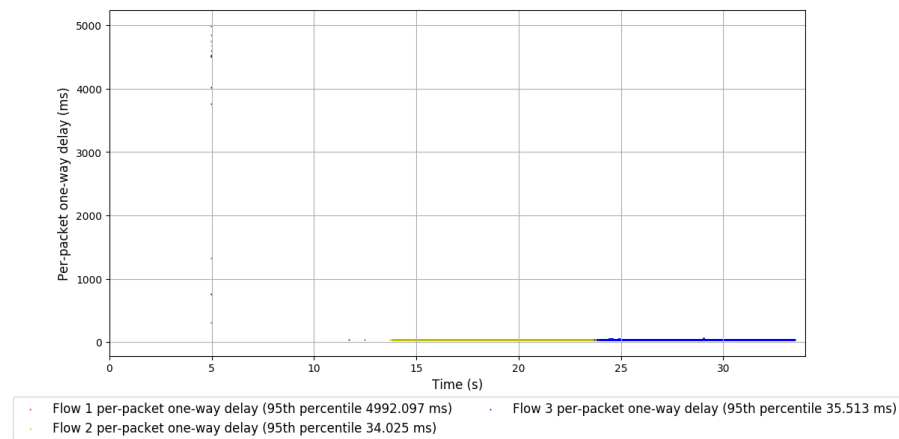
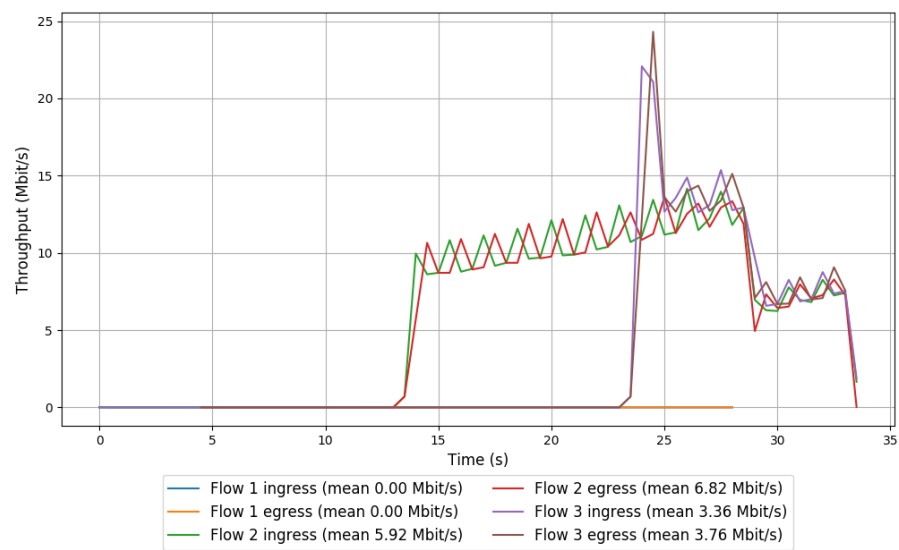
-- Flow 3:

Average throughput: 3.76 Mbit/s

95th percentile per-packet one-way delay: 35.513 ms

Loss rate: 3.90%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:45:49 +0000

End at: Tue, 04 Jul 2017 22:46:19 +0000

Local clock offset: 0.316 ms

Remote clock offset: -26.394 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.07 Mbit/s

95th percentile per-packet one-way delay: 33.396 ms

Loss rate: 2.17%

-- Flow 1:

Average throughput: 12.34 Mbit/s

95th percentile per-packet one-way delay: 34.773 ms

Loss rate: 2.31%

-- Flow 2:

Average throughput: 14.69 Mbit/s

95th percentile per-packet one-way delay: 32.681 ms

Loss rate: 1.79%

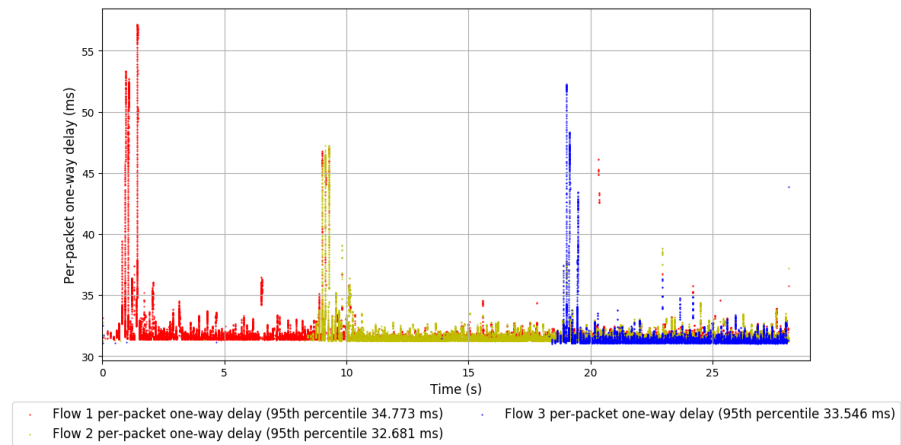
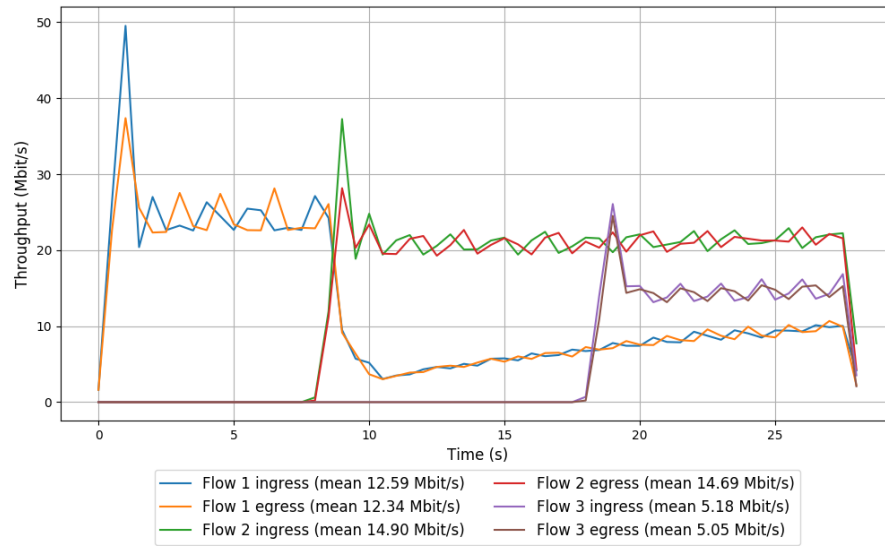
-- Flow 3:

Average throughput: 5.05 Mbit/s

95th percentile per-packet one-way delay: 33.546 ms

Loss rate: 2.94%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

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

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

Local clock offset: 0.304 ms

Remote clock offset: -27.915 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 31.19 Mbit/s

95th percentile per-packet one-way delay: 31.321 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 15.62 Mbit/s

95th percentile per-packet one-way delay: 30.926 ms

Loss rate: 1.49%

-- Flow 2:

Average throughput: 8.43 Mbit/s

95th percentile per-packet one-way delay: 32.187 ms

Loss rate: 2.17%

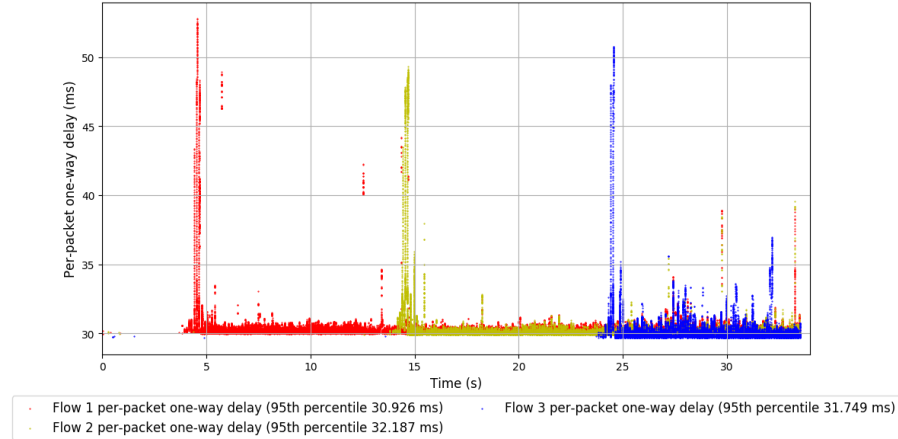
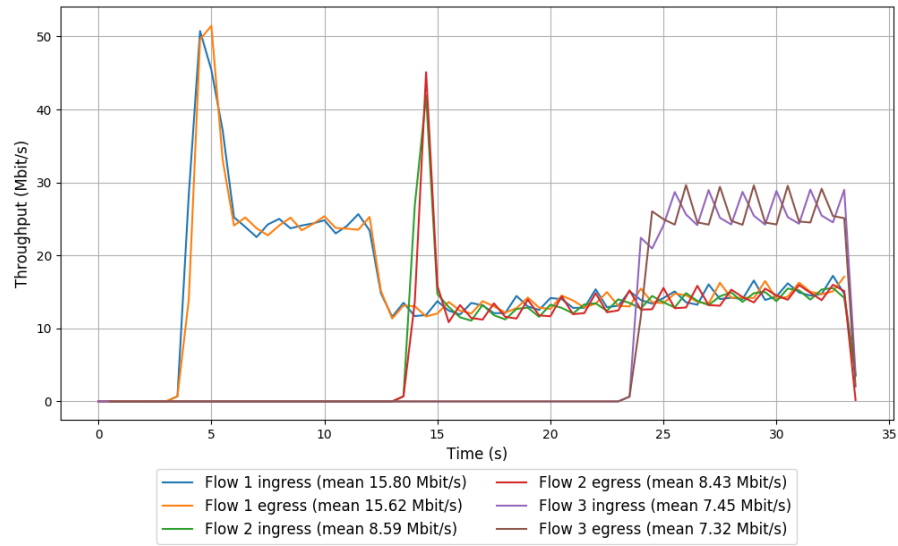
-- Flow 3:

Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 31.749 ms

Loss rate: 2.14%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:22:59 +0000

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

Local clock offset: 0.297 ms

Remote clock offset: -29.407 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.78 Mbit/s

95th percentile per-packet one-way delay: 31.161 ms

Loss rate: 2.38%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 4329.494 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 11.27 Mbit/s

95th percentile per-packet one-way delay: 31.069 ms

Loss rate: 1.80%

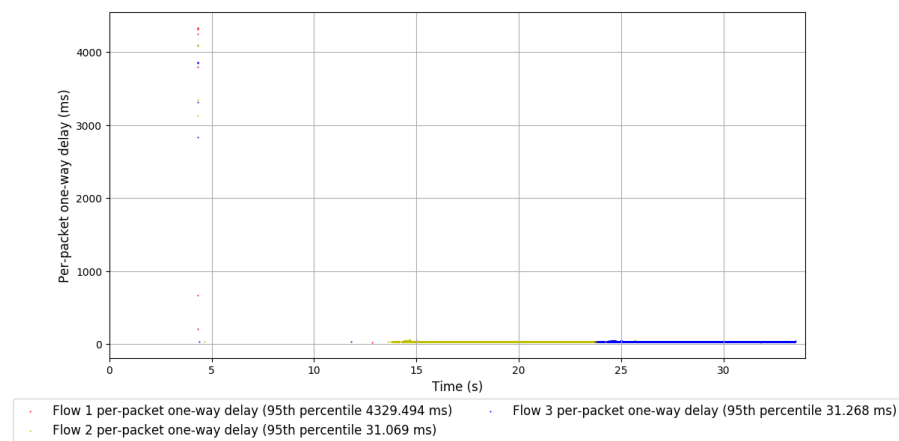
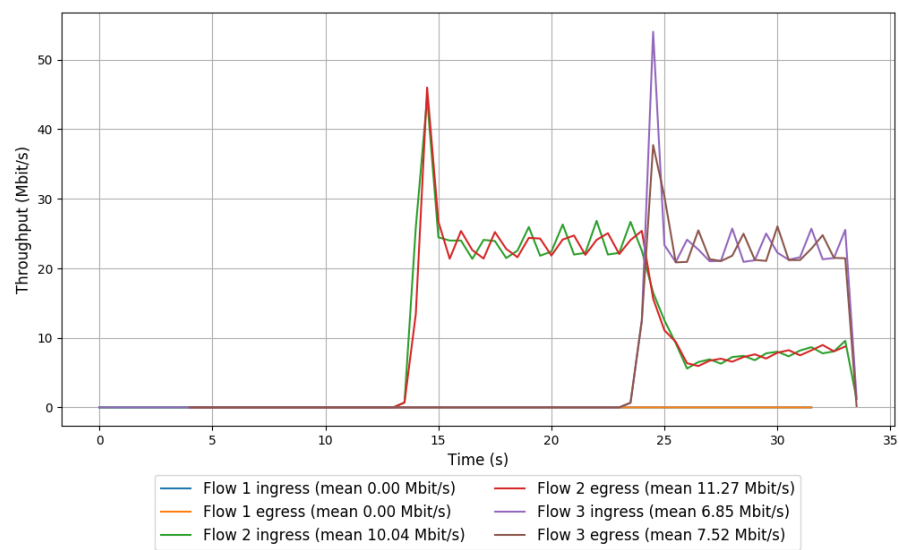
-- Flow 3:

Average throughput: 7.52 Mbit/s

95th percentile per-packet one-way delay: 31.268 ms

Loss rate: 3.23%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:41:36 +0000

End at: Tue, 04 Jul 2017 23:42:06 +0000

Local clock offset: 0.331 ms

Remote clock offset: -31.126 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.48 Mbit/s

95th percentile per-packet one-way delay: 29.468 ms

Loss rate: 3.02%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 8262.417 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 28.745 ms

Loss rate: 2.49%

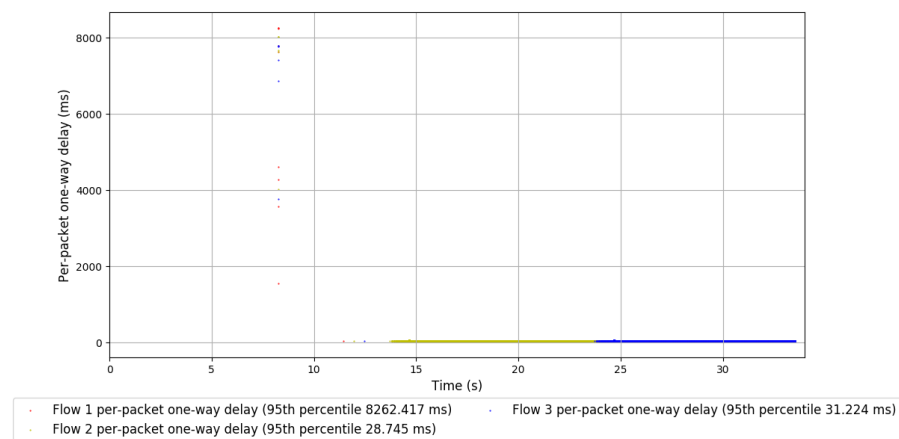
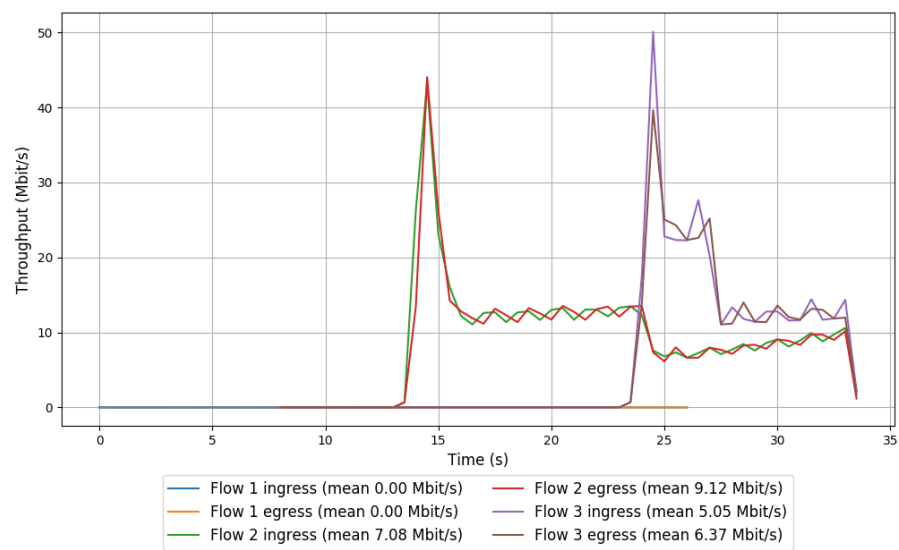
-- Flow 3:

Average throughput: 6.37 Mbit/s

95th percentile per-packet one-way delay: 31.224 ms

Loss rate: 3.78%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:59:54 +0000

End at: Wed, 05 Jul 2017 00:00:24 +0000

Local clock offset: 0.368 ms

Remote clock offset: -31.672 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.33 Mbit/s

95th percentile per-packet one-way delay: 27.079 ms

Loss rate: 1.75%

-- Flow 1:

Average throughput: 13.77 Mbit/s

95th percentile per-packet one-way delay: 27.153 ms

Loss rate: 1.71%

-- Flow 2:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 26.414 ms

Loss rate: 0.81%

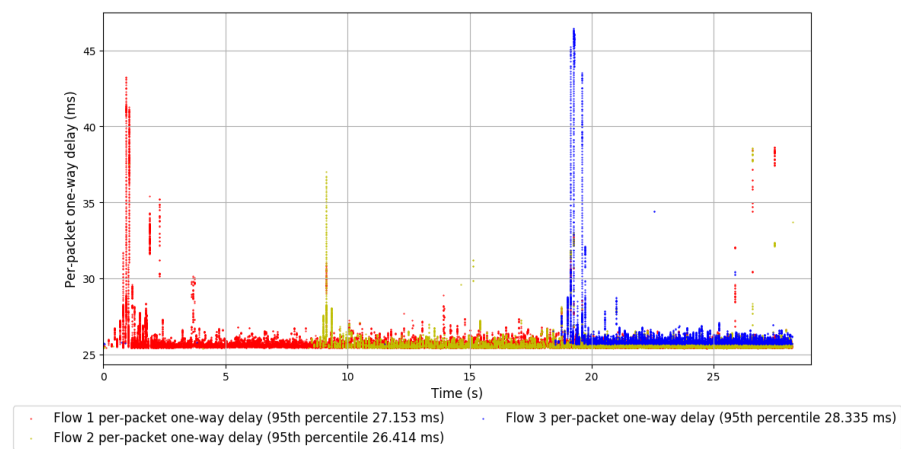
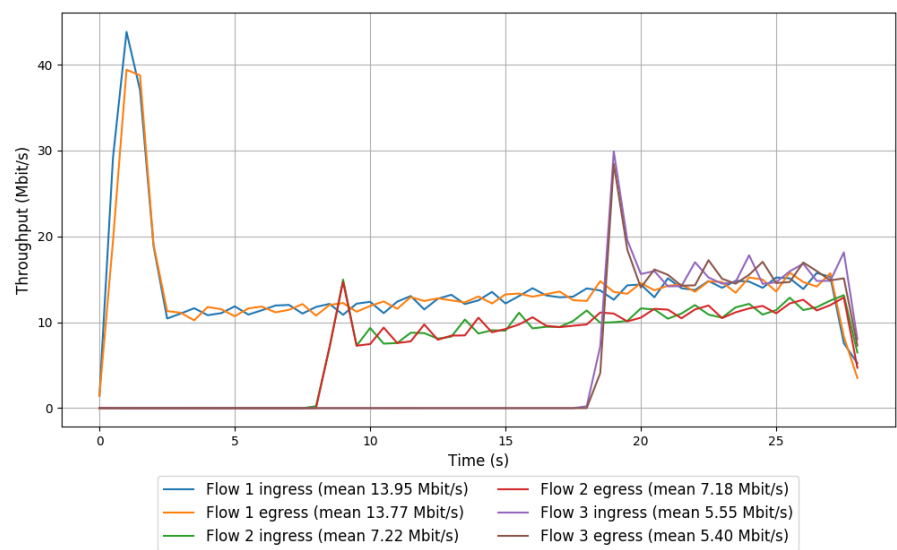
-- Flow 3:

Average throughput: 5.40 Mbit/s

95th percentile per-packet one-way delay: 28.335 ms

Loss rate: 3.07%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 00:18:13 +0000

End at: Wed, 05 Jul 2017 00:18:43 +0000

Local clock offset: 0.315 ms

Remote clock offset: -32.74 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 21.58 Mbit/s

95th percentile per-packet one-way delay: 27.235 ms

Loss rate: 1.82%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 6795.743 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.08 Mbit/s

95th percentile per-packet one-way delay: 27.399 ms

Loss rate: 1.54%

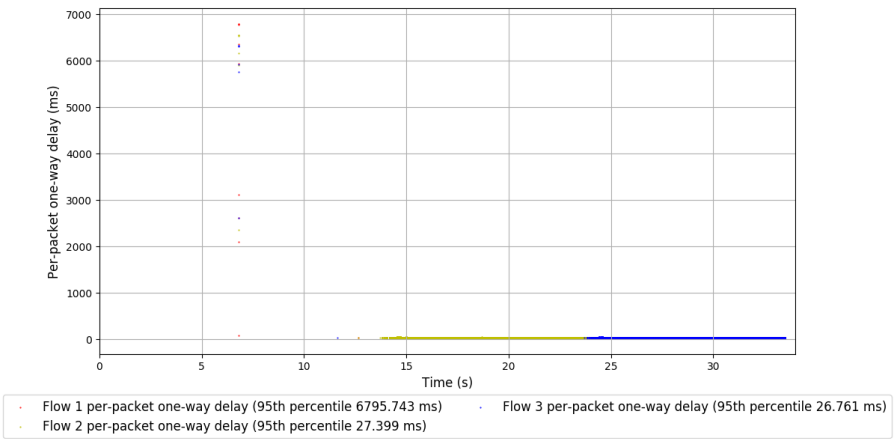
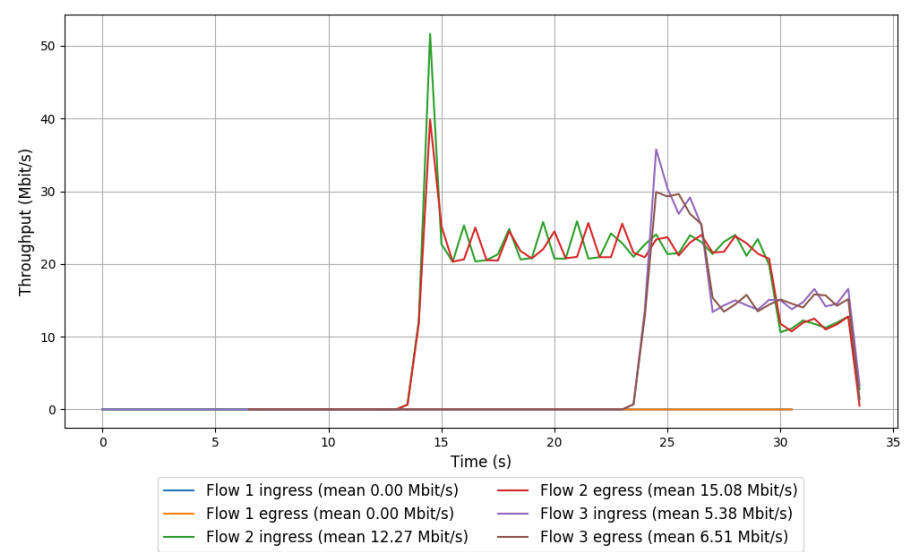
-- Flow 3:

Average throughput: 6.51 Mbit/s

95th percentile per-packet one-way delay: 26.761 ms

Loss rate: 2.46%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 00:36:42 +0000

End at: Wed, 05 Jul 2017 00:37:12 +0000

Local clock offset: 0.336 ms

Remote clock offset: -33.108 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 28.79 Mbit/s

95th percentile per-packet one-way delay: 26.293 ms

Loss rate: 1.52%

-- Flow 1:

Average throughput: 15.33 Mbit/s

95th percentile per-packet one-way delay: 25.954 ms

Loss rate: 1.14%

-- Flow 2:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 25.731 ms

Loss rate: 1.70%

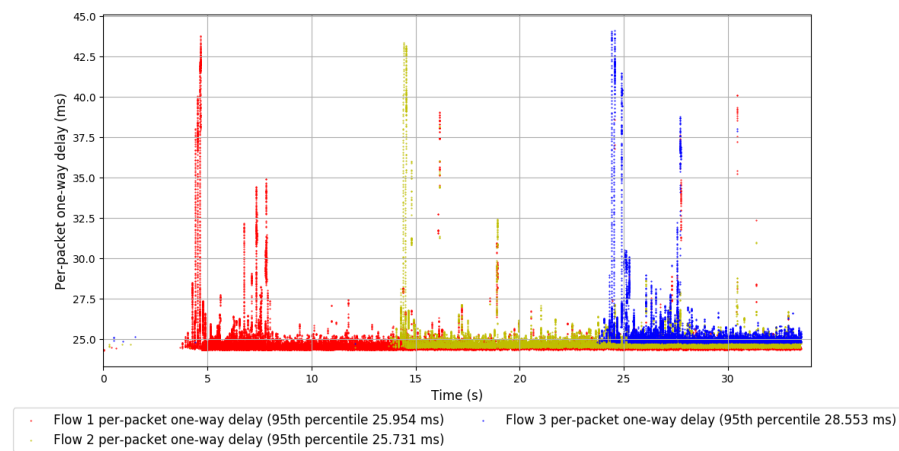
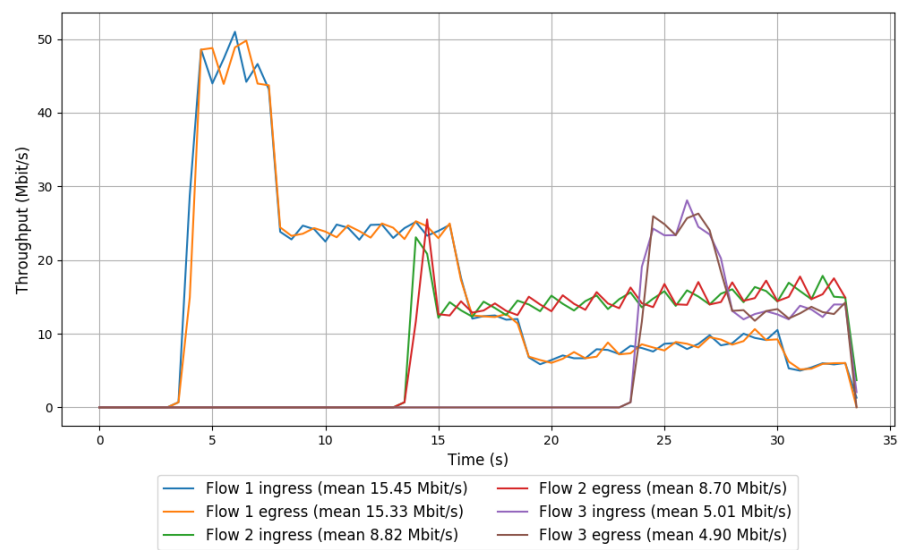
-- Flow 3:

Average throughput: 4.90 Mbit/s

95th percentile per-packet one-way delay: 28.553 ms

Loss rate: 2.41%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Tue, 04 Jul 2017 21:55:09 +0000

End at: Tue, 04 Jul 2017 21:55:39 +0000

Local clock offset: 0.279 ms

Remote clock offset: -22.881 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.96 Mbit/s

95th percentile per-packet one-way delay: 64.493 ms

Loss rate: 73.82%

-- Flow 1:

Average throughput: 29.83 Mbit/s

95th percentile per-packet one-way delay: 62.719 ms

Loss rate: 74.57%

-- Flow 2:

Average throughput: 4.87 Mbit/s

95th percentile per-packet one-way delay: 58.752 ms

Loss rate: 44.17%

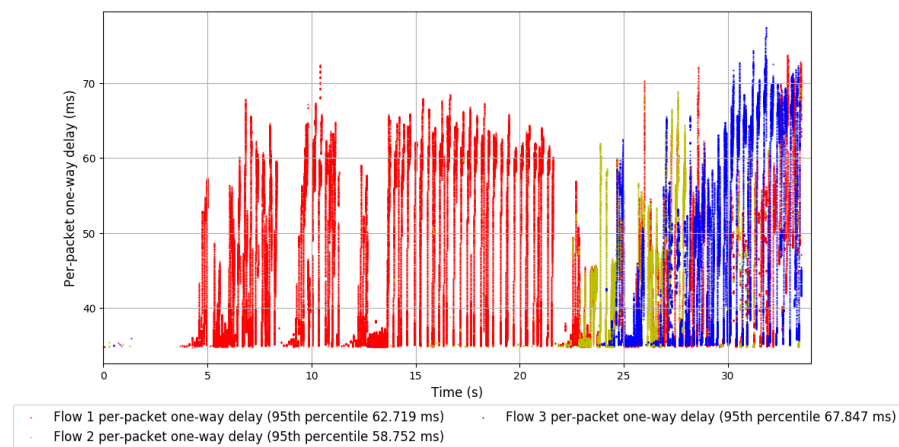
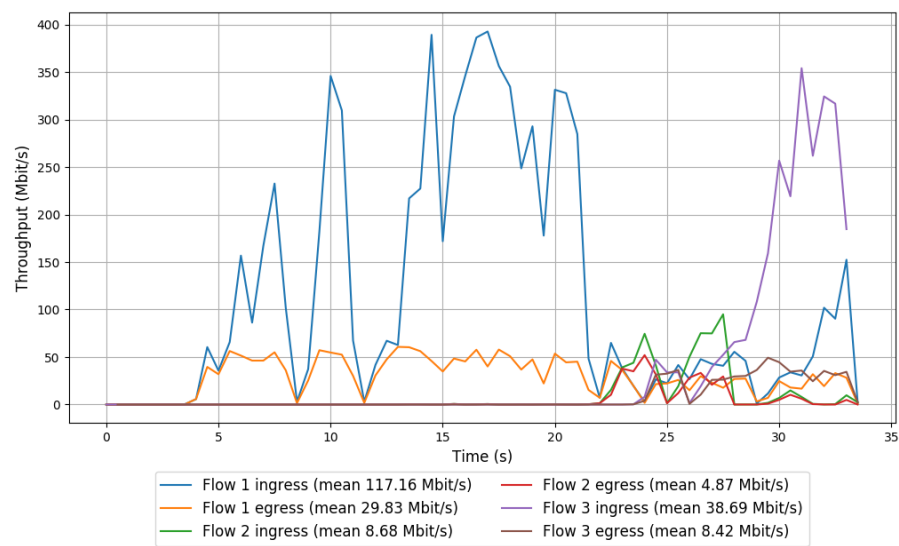
-- Flow 3:

Average throughput: 8.42 Mbit/s

95th percentile per-packet one-way delay: 67.847 ms

Loss rate: 78.24%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:13:49 +0000

End at: Tue, 04 Jul 2017 22:14:19 +0000

Local clock offset: 0.314 ms

Remote clock offset: -23.443 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.98 Mbit/s

95th percentile per-packet one-way delay: 62.853 ms

Loss rate: 55.55%

-- Flow 1:

Average throughput: 26.63 Mbit/s

95th percentile per-packet one-way delay: 59.887 ms

Loss rate: 50.04%

-- Flow 2:

Average throughput: 13.44 Mbit/s

95th percentile per-packet one-way delay: 57.964 ms

Loss rate: 36.56%

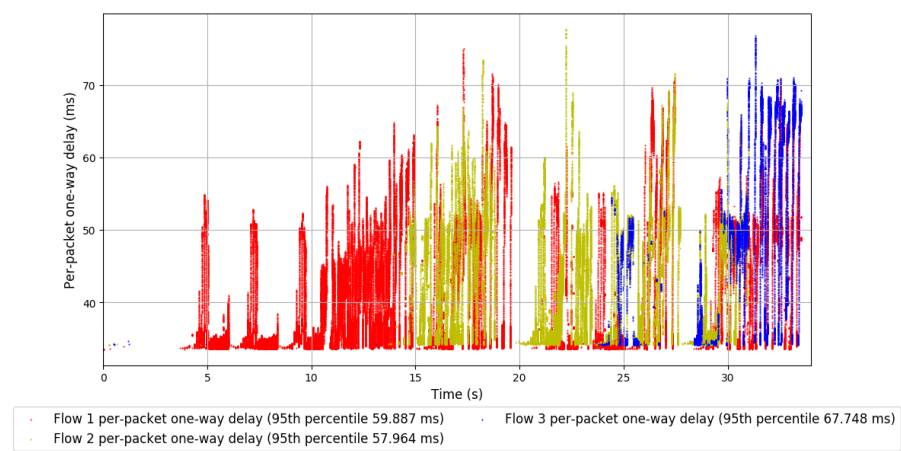
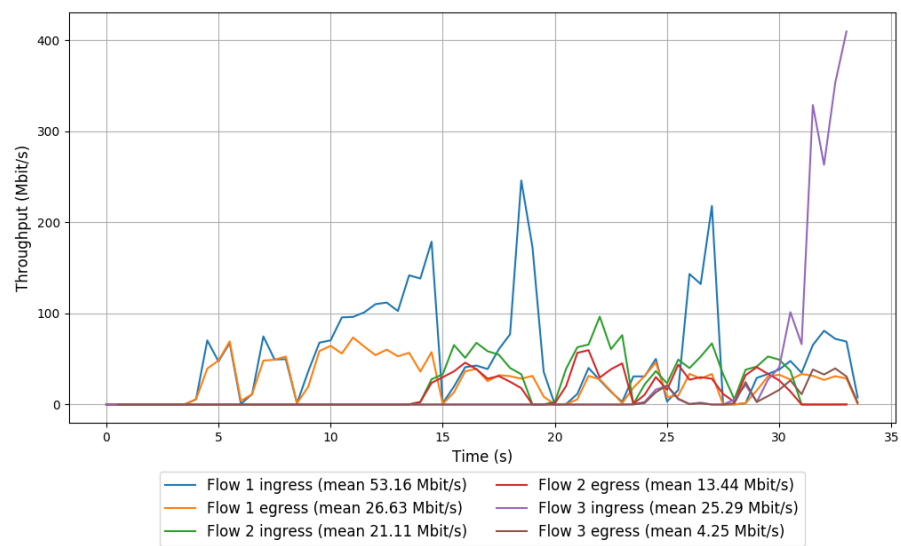
-- Flow 3:

Average throughput: 4.25 Mbit/s

95th percentile per-packet one-way delay: 67.748 ms

Loss rate: 83.18%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:32:17 +0000

End at: Tue, 04 Jul 2017 22:32:47 +0000

Local clock offset: 0.289 ms

Remote clock offset: -24.842 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.02 Mbit/s

95th percentile per-packet one-way delay: 59.559 ms

Loss rate: 73.25%

-- Flow 1:

Average throughput: 35.12 Mbit/s

95th percentile per-packet one-way delay: 59.901 ms

Loss rate: 75.95%

-- Flow 2:

Average throughput: 5.82 Mbit/s

95th percentile per-packet one-way delay: 58.084 ms

Loss rate: 62.70%

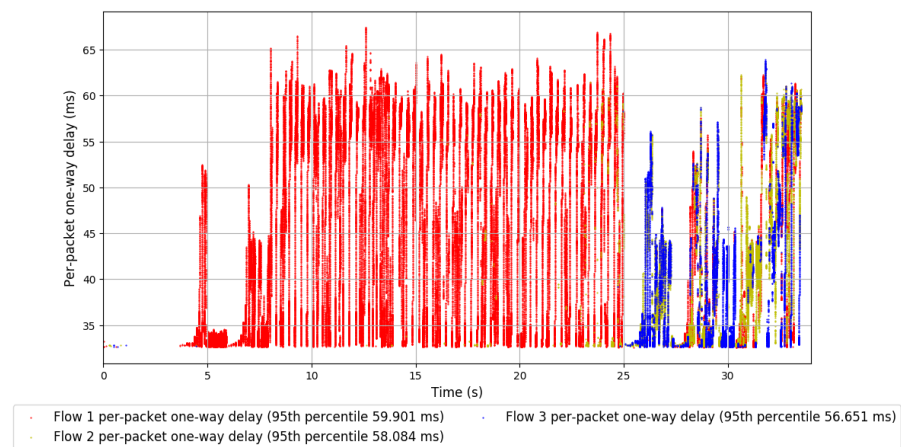
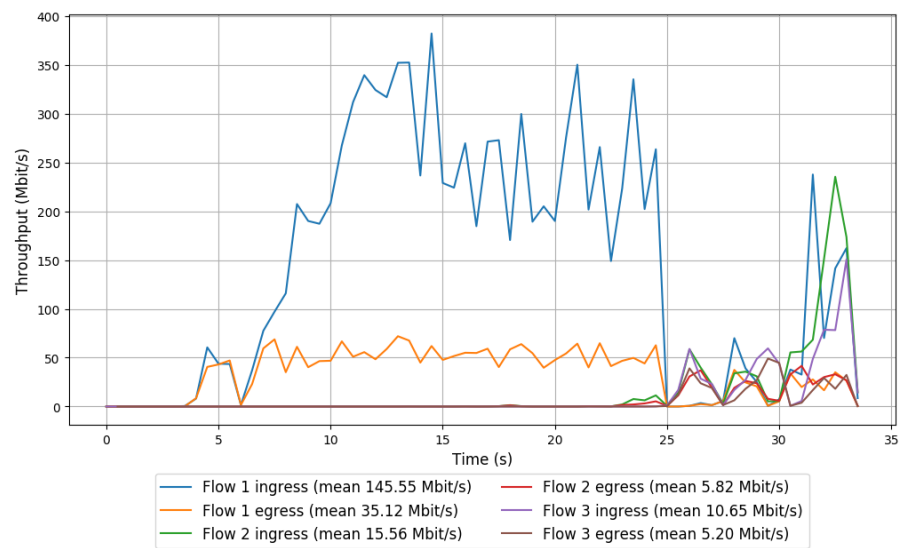
-- Flow 3:

Average throughput: 5.20 Mbit/s

95th percentile per-packet one-way delay: 56.651 ms

Loss rate: 51.28%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:50:39 +0000

End at: Tue, 04 Jul 2017 22:51:09 +0000

Local clock offset: 0.285 ms

Remote clock offset: -27.055 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:42:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.59 Mbit/s

95th percentile per-packet one-way delay: 61.175 ms

Loss rate: 68.17%

-- Flow 1:

Average throughput: 21.13 Mbit/s

95th percentile per-packet one-way delay: 59.539 ms

Loss rate: 61.33%

-- Flow 2:

Average throughput: 20.17 Mbit/s

95th percentile per-packet one-way delay: 62.257 ms

Loss rate: 74.90%

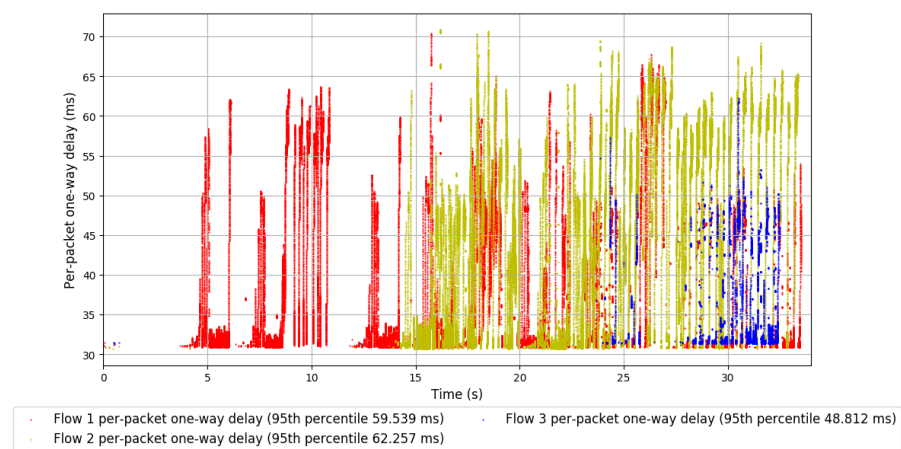
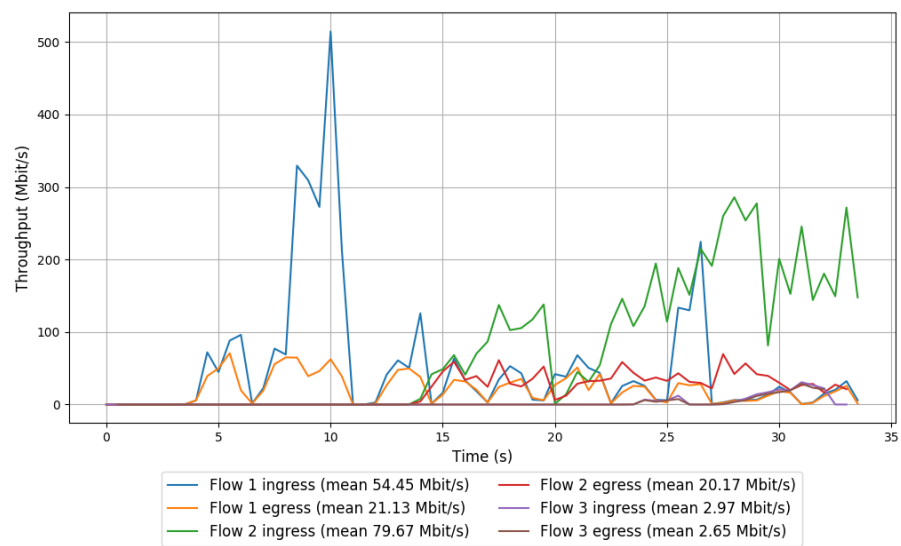
-- Flow 3:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 48.812 ms

Loss rate: 12.76%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:09:16 +0000

End at: Tue, 04 Jul 2017 23:09:46 +0000

Local clock offset: 0.334 ms

Remote clock offset: -28.621 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.41 Mbit/s

95th percentile per-packet one-way delay: 62.362 ms

Loss rate: 79.59%

-- Flow 1:

Average throughput: 33.53 Mbit/s

95th percentile per-packet one-way delay: 61.525 ms

Loss rate: 79.45%

-- Flow 2:

Average throughput: 12.42 Mbit/s

95th percentile per-packet one-way delay: 63.526 ms

Loss rate: 81.94%

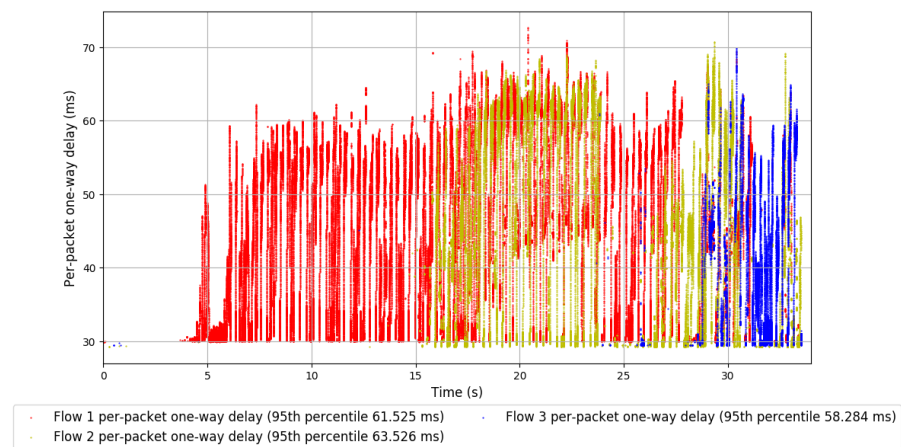
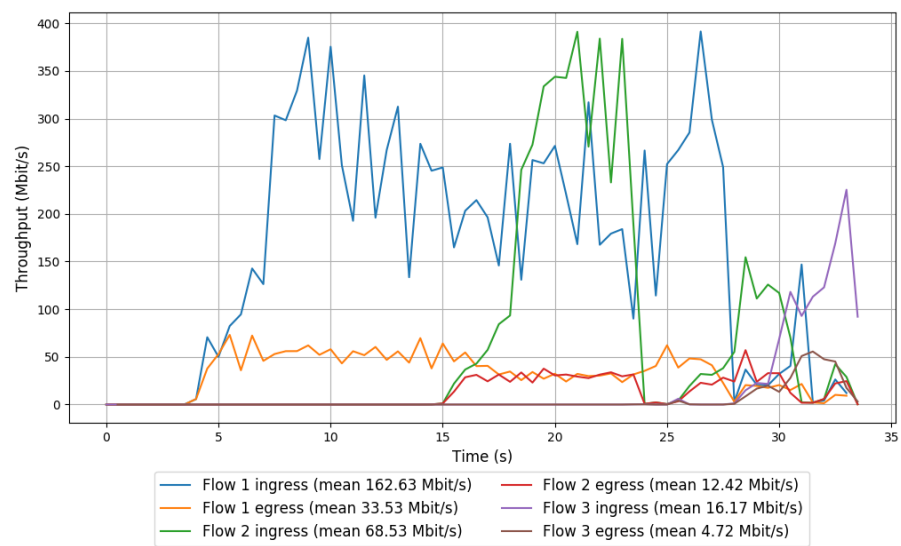
-- Flow 3:

Average throughput: 4.72 Mbit/s

95th percentile per-packet one-way delay: 58.284 ms

Loss rate: 70.88%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:27:47 +0000

End at: Tue, 04 Jul 2017 23:28:17 +0000

Local clock offset: 0.298 ms

Remote clock offset: -30.011 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.59 Mbit/s

95th percentile per-packet one-way delay: 60.576 ms

Loss rate: 77.40%

-- Flow 1:

Average throughput: 23.54 Mbit/s

95th percentile per-packet one-way delay: 58.340 ms

Loss rate: 69.48%

-- Flow 2:

Average throughput: 18.14 Mbit/s

95th percentile per-packet one-way delay: 61.845 ms

Loss rate: 83.15%

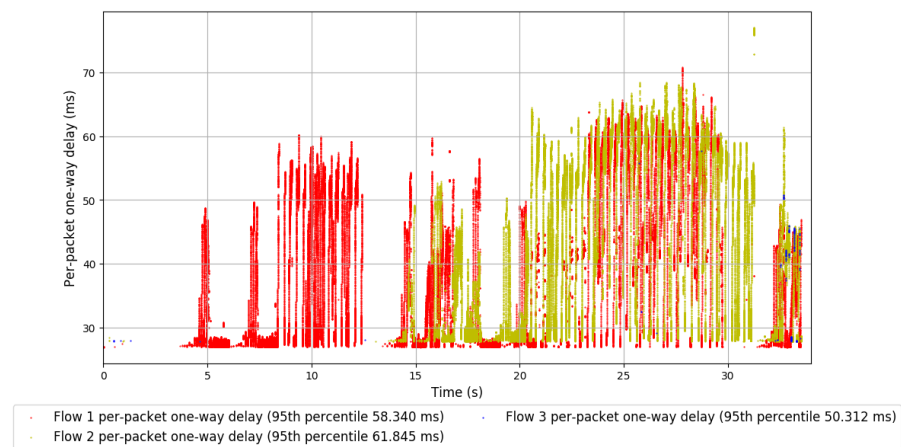
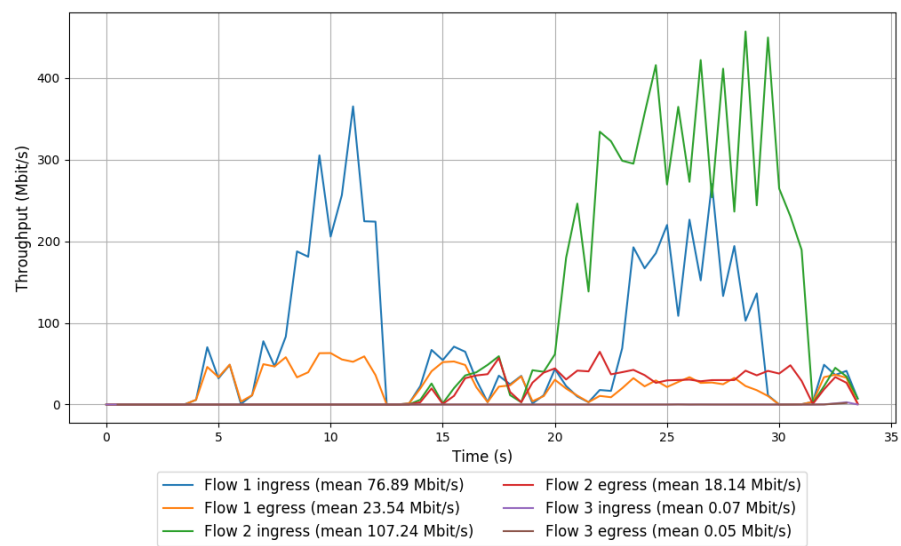
-- Flow 3:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 50.312 ms

Loss rate: 35.41%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:46:24 +0000

End at: Tue, 04 Jul 2017 23:46:54 +0000

Local clock offset: 0.238 ms

Remote clock offset: -30.847 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.02 Mbit/s

95th percentile per-packet one-way delay: 54.971 ms

Loss rate: 75.65%

-- Flow 1:

Average throughput: 14.37 Mbit/s

95th percentile per-packet one-way delay: 52.317 ms

Loss rate: 53.02%

-- Flow 2:

Average throughput: 27.68 Mbit/s

95th percentile per-packet one-way delay: 55.700 ms

Loss rate: 80.86%

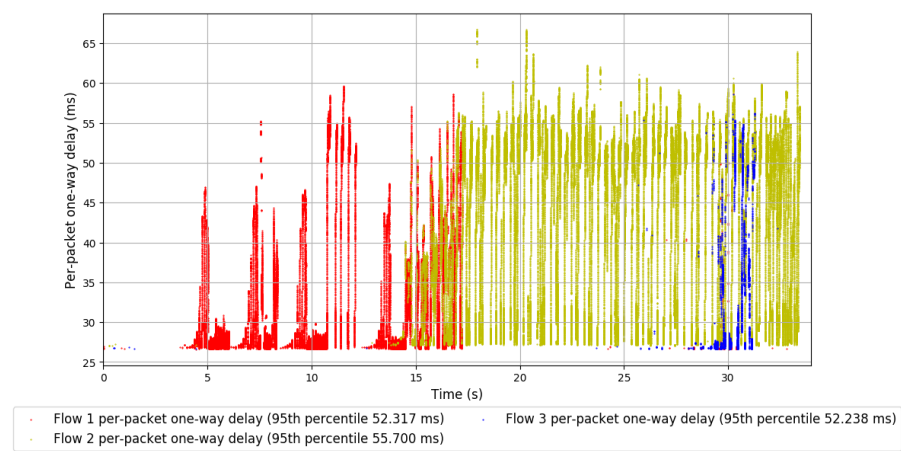
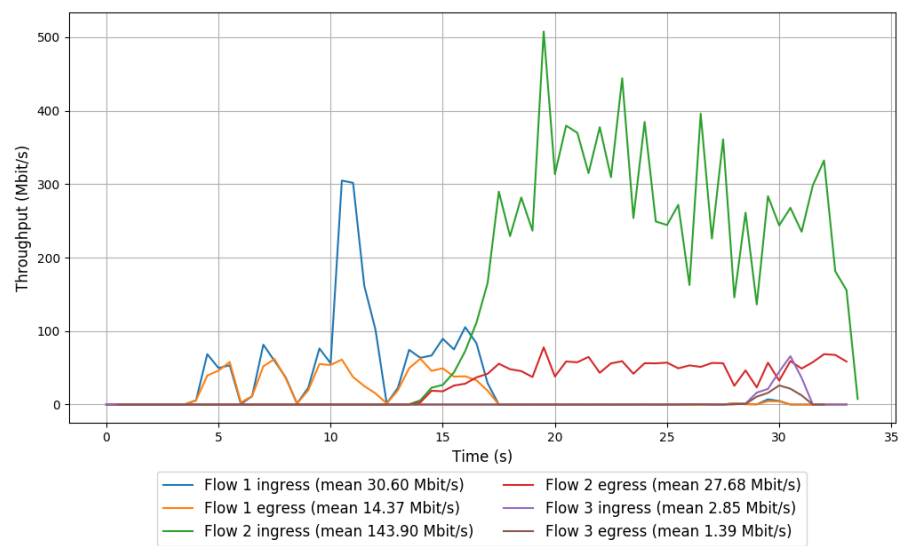
-- Flow 3:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 52.238 ms

Loss rate: 52.66%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Wed, 05 Jul 2017 00:04:42 +0000

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

Local clock offset: 0.345 ms

Remote clock offset: -32.414 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.41 Mbit/s

95th percentile per-packet one-way delay: 51.918 ms

Loss rate: 67.05%

-- Flow 1:

Average throughput: 32.96 Mbit/s

95th percentile per-packet one-way delay: 52.349 ms

Loss rate: 72.53%

-- Flow 2:

Average throughput: 10.03 Mbit/s

95th percentile per-packet one-way delay: 50.159 ms

Loss rate: 41.27%

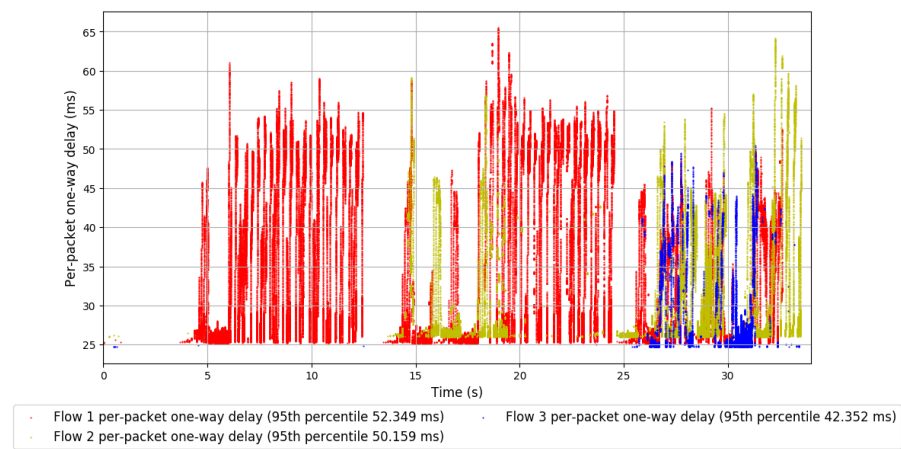
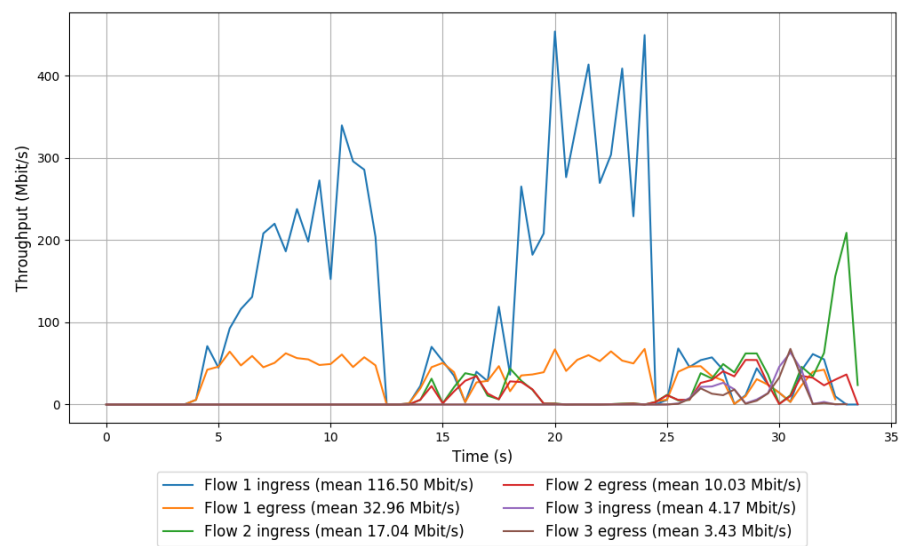
-- Flow 3:

Average throughput: 3.43 Mbit/s

95th percentile per-packet one-way delay: 42.352 ms

Loss rate: 17.90%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Wed, 05 Jul 2017 00:23:08 +0000

End at: Wed, 05 Jul 2017 00:23:38 +0000

Local clock offset: 0.342 ms

Remote clock offset: -33.254 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.74 Mbit/s

95th percentile per-packet one-way delay: 53.338 ms

Loss rate: 73.06%

-- Flow 1:

Average throughput: 24.74 Mbit/s

95th percentile per-packet one-way delay: 53.371 ms

Loss rate: 69.23%

-- Flow 2:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 48.977 ms

Loss rate: 32.03%

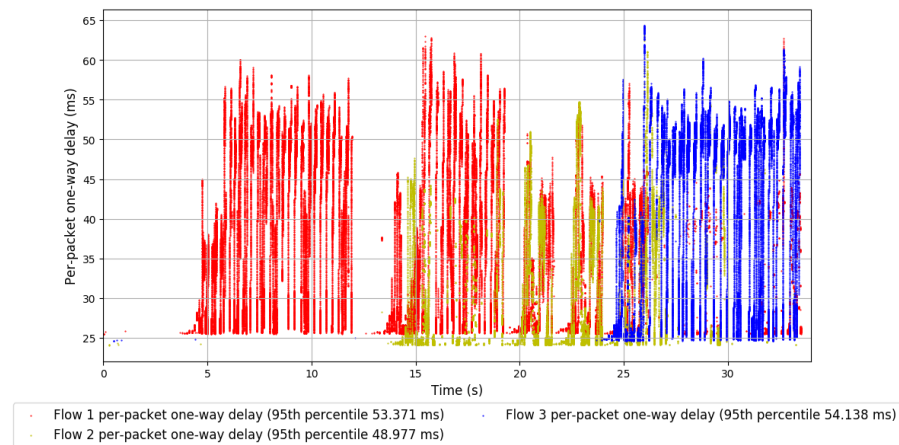
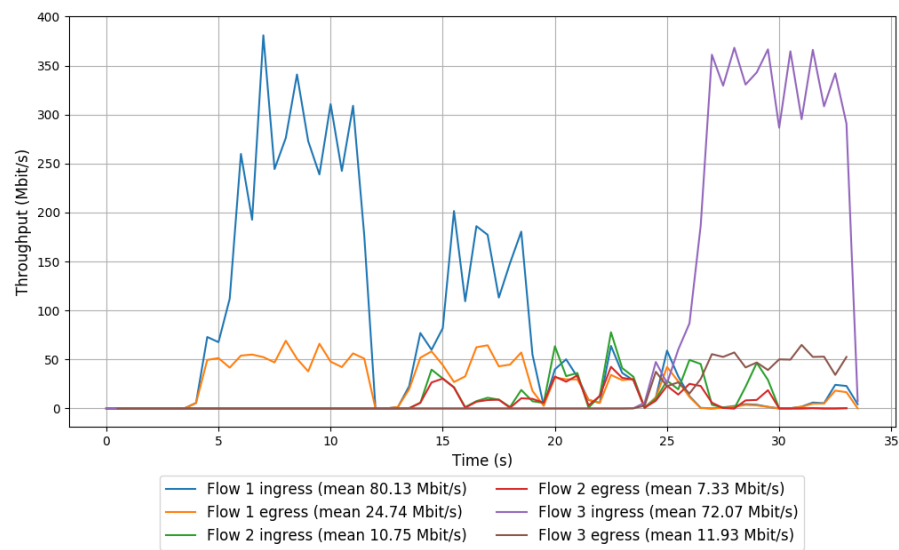
-- Flow 3:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 54.138 ms

Loss rate: 83.53%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Wed, 05 Jul 2017 00:41:37 +0000

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

Local clock offset: 0.346 ms

Remote clock offset: -32.994 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.81 Mbit/s

95th percentile per-packet one-way delay: 53.913 ms

Loss rate: 77.68%

-- Flow 1:

Average throughput: 24.85 Mbit/s

95th percentile per-packet one-way delay: 53.551 ms

Loss rate: 73.42%

-- Flow 2:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 54.459 ms

Loss rate: 83.30%

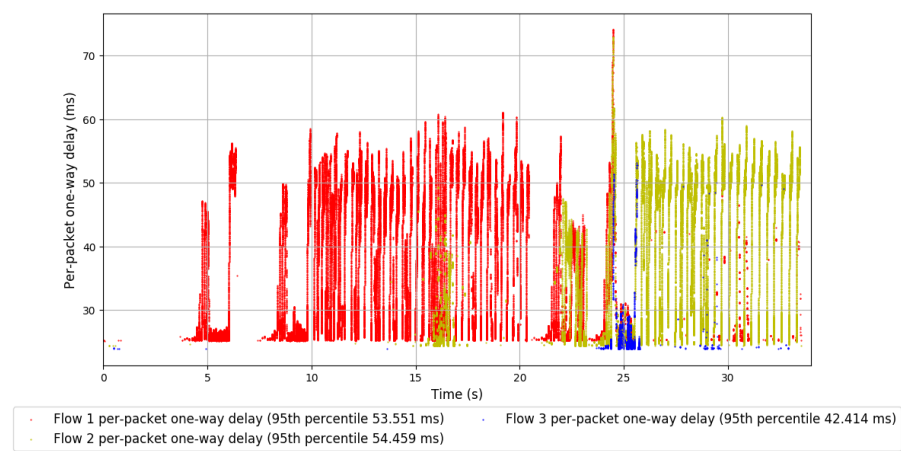
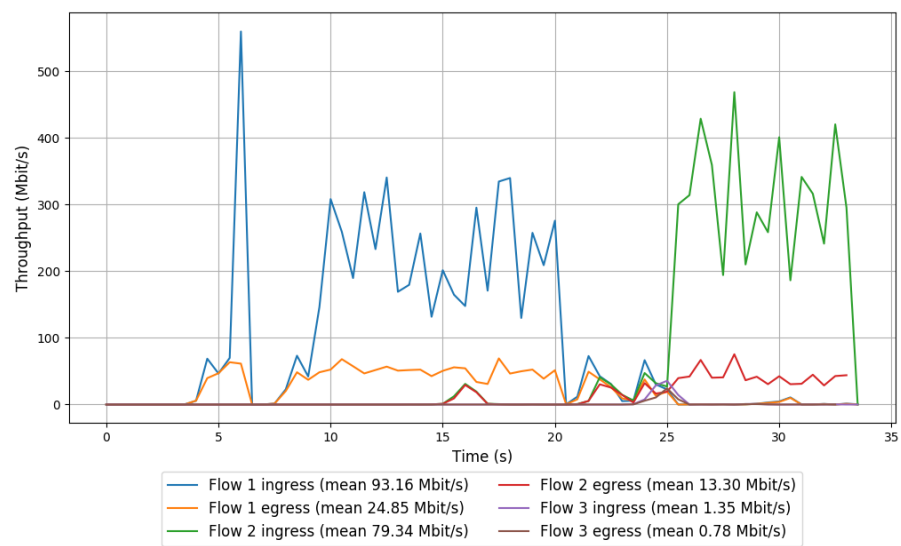
-- Flow 3:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 42.414 ms

Loss rate: 43.31%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 21:54:00 +0000

End at: Tue, 04 Jul 2017 21:54:30 +0000

Local clock offset: 0.239 ms

Remote clock offset: -22.893 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 35.949 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 36.029 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 35.888 ms

Loss rate: 1.50%

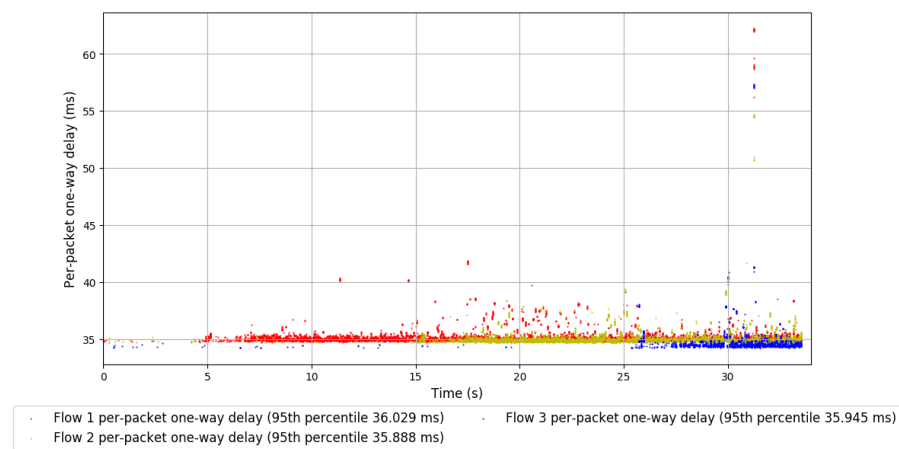
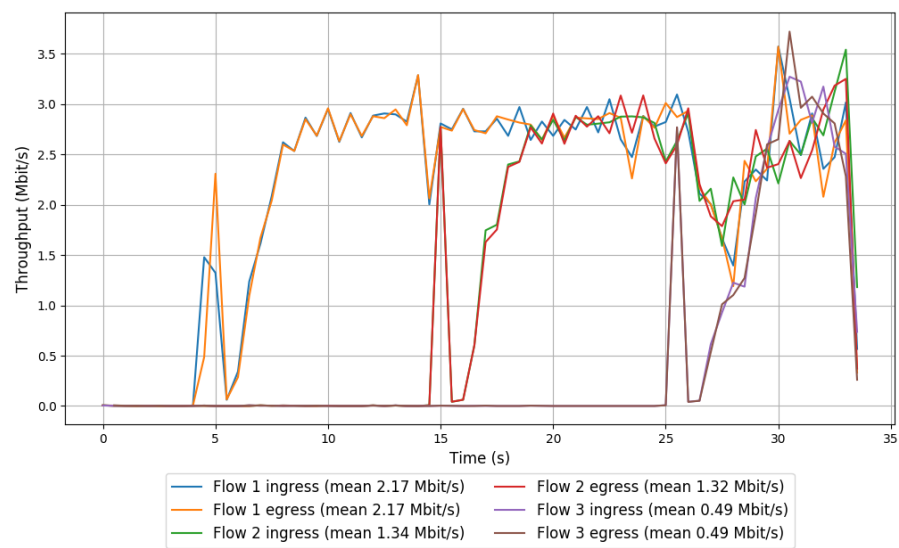
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 35.945 ms

Loss rate: 2.25%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 22:12:40 +0000

End at: Tue, 04 Jul 2017 22:13:10 +0000

Local clock offset: 0.257 ms

Remote clock offset: -23.534 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.25 Mbit/s

95th percentile per-packet one-way delay: 35.571 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 35.449 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 35.782 ms

Loss rate: 0.42%

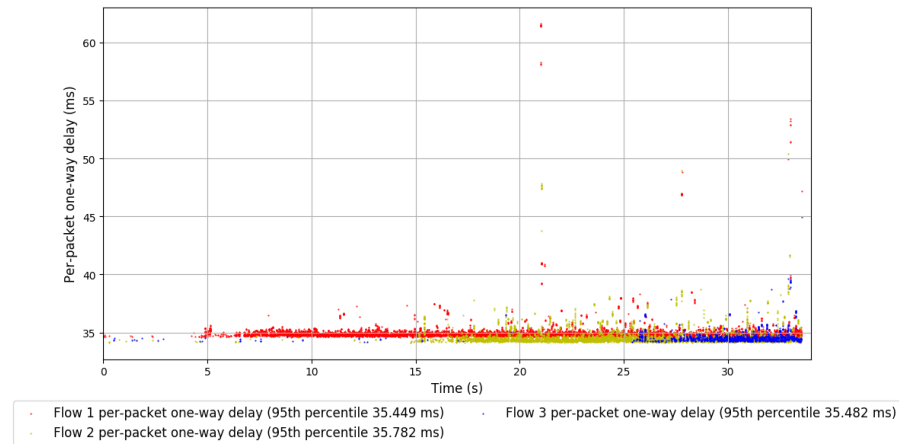
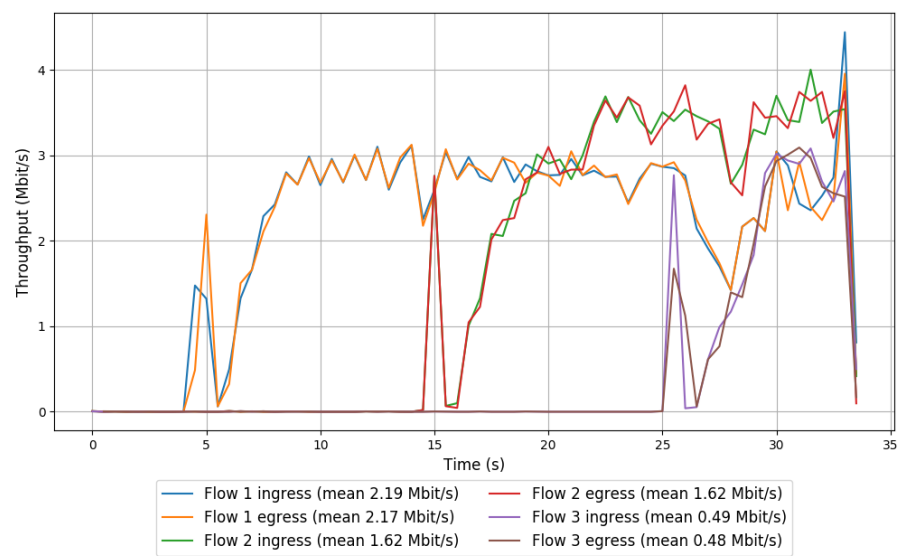
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 35.482 ms

Loss rate: 2.19%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 22:31:08 +0000

End at: Tue, 04 Jul 2017 22:31:38 +0000

Local clock offset: 0.314 ms

Remote clock offset: -24.905 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.46 Mbit/s

95th percentile per-packet one-way delay: 33.832 ms

Loss rate: 1.08%

-- Flow 1:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 33.422 ms

Loss rate: 0.62%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 34.363 ms

Loss rate: 1.47%

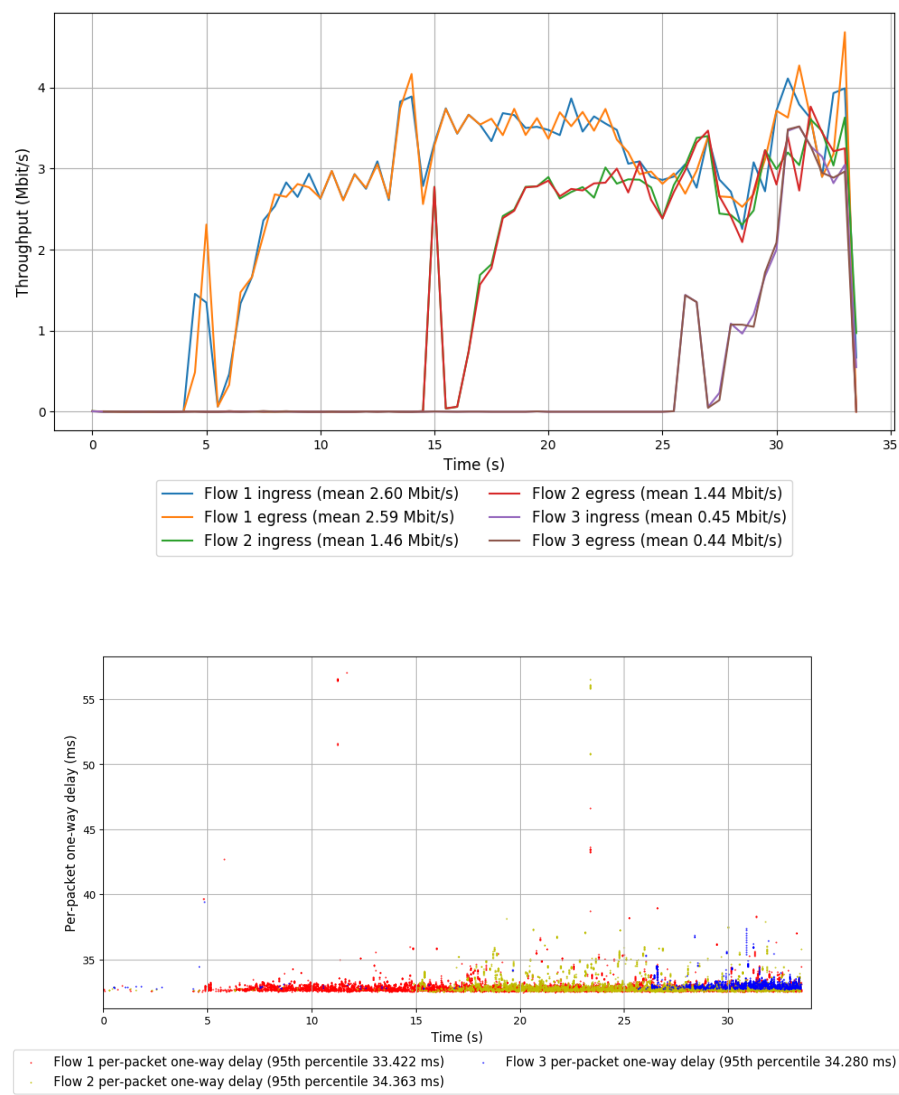
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 34.280 ms

Loss rate: 2.56%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 22:49:30 +0000

End at: Tue, 04 Jul 2017 22:50:00 +0000

Local clock offset: 0.253 ms

Remote clock offset: -26.689 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 32.102 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 31.720 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 1.31 Mbit/s

95th percentile per-packet one-way delay: 31.802 ms

Loss rate: 1.06%

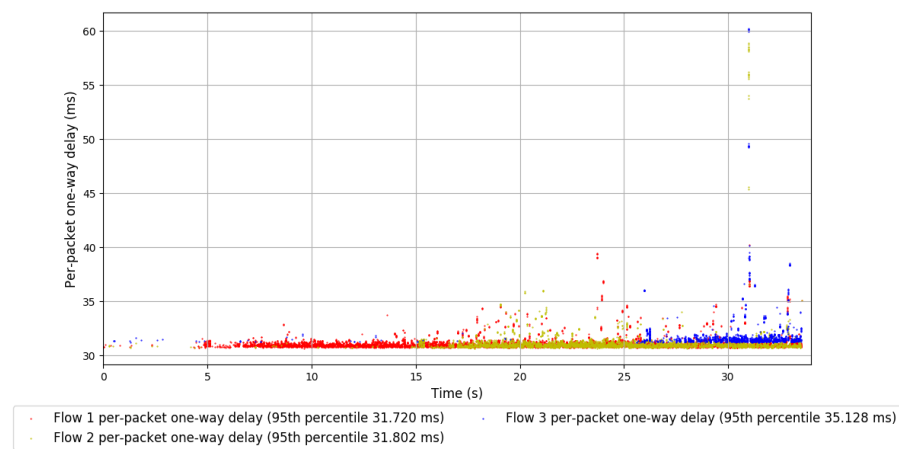
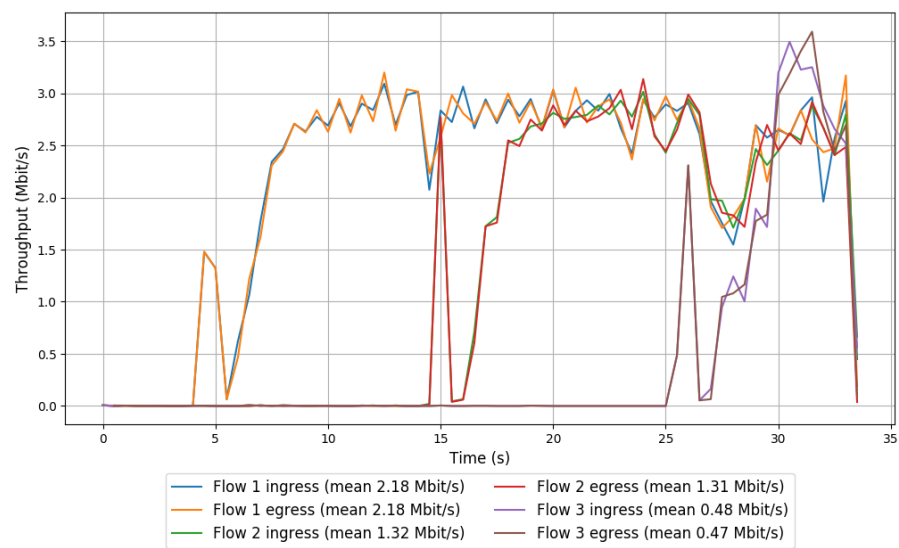
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 35.128 ms

Loss rate: 1.78%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:08:07 +0000

End at: Tue, 04 Jul 2017 23:08:37 +0000

Local clock offset: 0.292 ms

Remote clock offset: -28.38 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 30.449 ms

Loss rate: 0.99%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 30.572 ms

Loss rate: 0.61%

-- Flow 2:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 30.297 ms

Loss rate: 1.15%

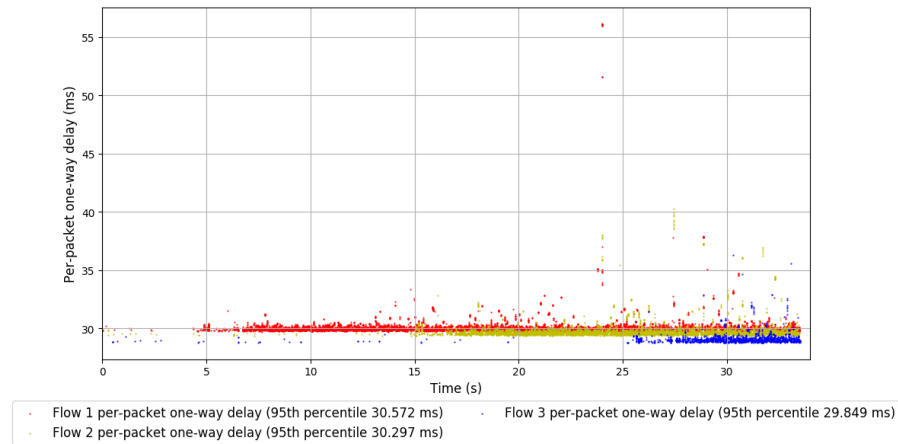
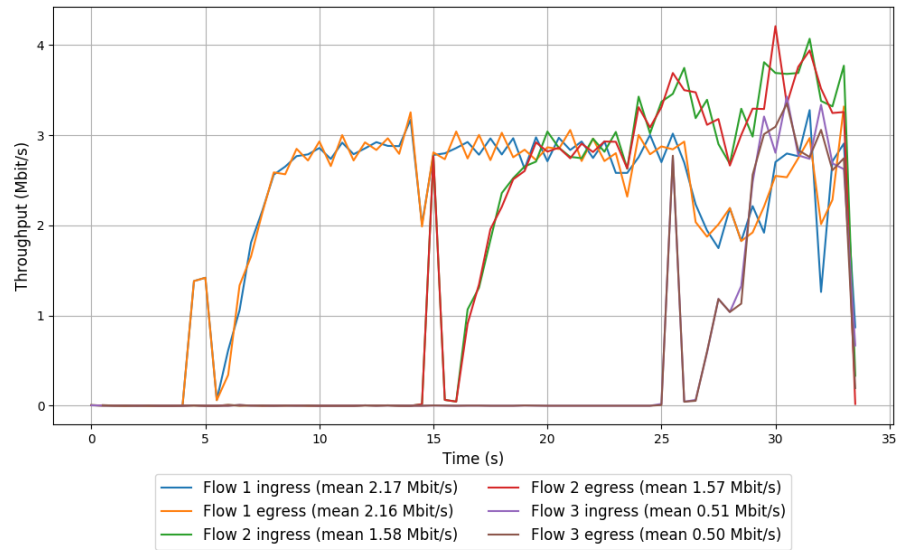
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 29.849 ms

Loss rate: 2.14%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:26:37 +0000

End at: Tue, 04 Jul 2017 23:27:07 +0000

Local clock offset: 0.271 ms

Remote clock offset: -29.973 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 28.999 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 28.875 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 1.37 Mbit/s

95th percentile per-packet one-way delay: 29.008 ms

Loss rate: 0.49%

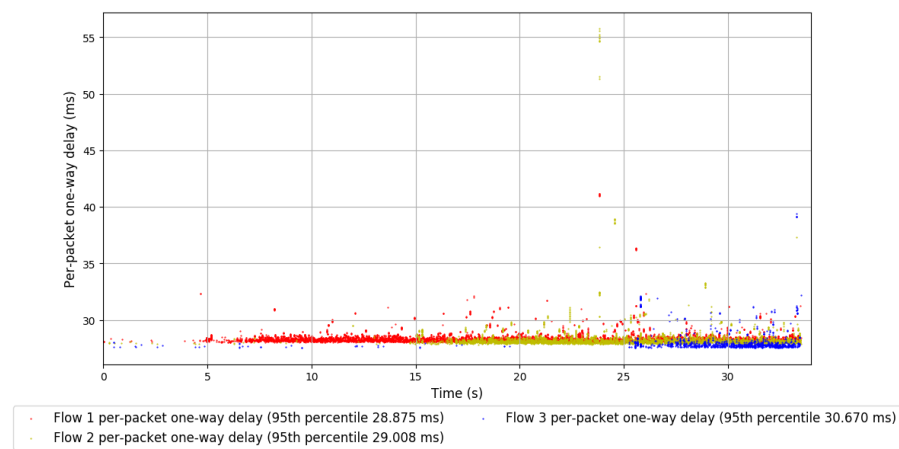
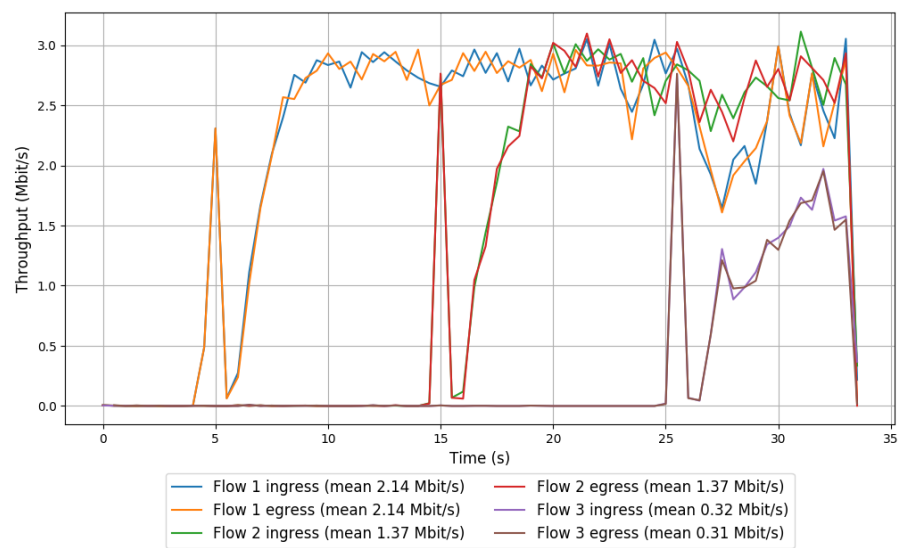
-- Flow 3:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 30.670 ms

Loss rate: 2.53%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:45:15 +0000

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

Local clock offset: 0.336 ms

Remote clock offset: -30.907 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.64 Mbit/s

95th percentile per-packet one-way delay: 28.108 ms

Loss rate: 0.75%

-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 28.190 ms

Loss rate: 0.65%

-- Flow 2:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 27.525 ms

Loss rate: 0.42%

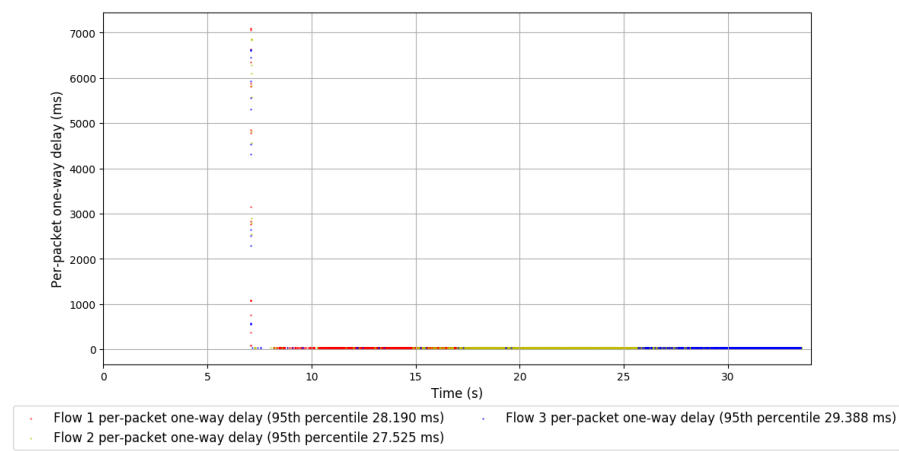
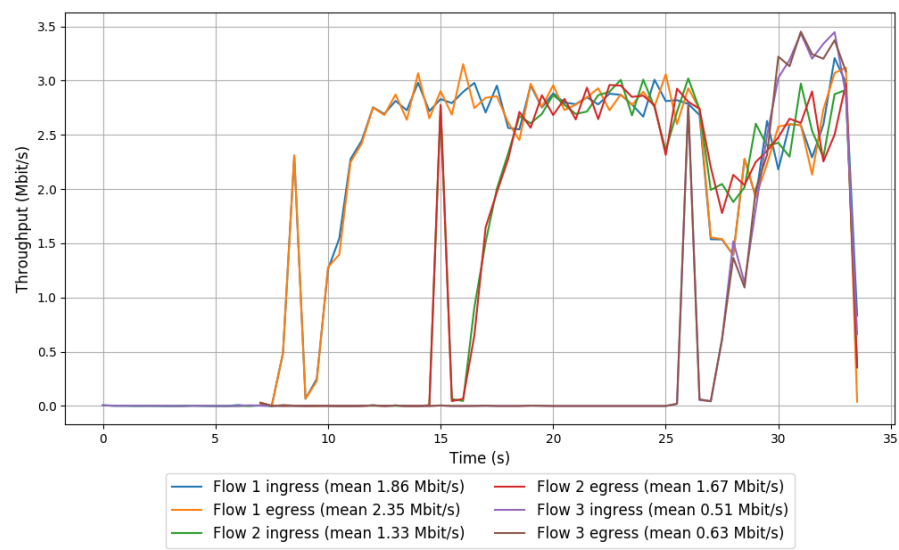
-- Flow 3:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 29.388 ms

Loss rate: 1.96%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

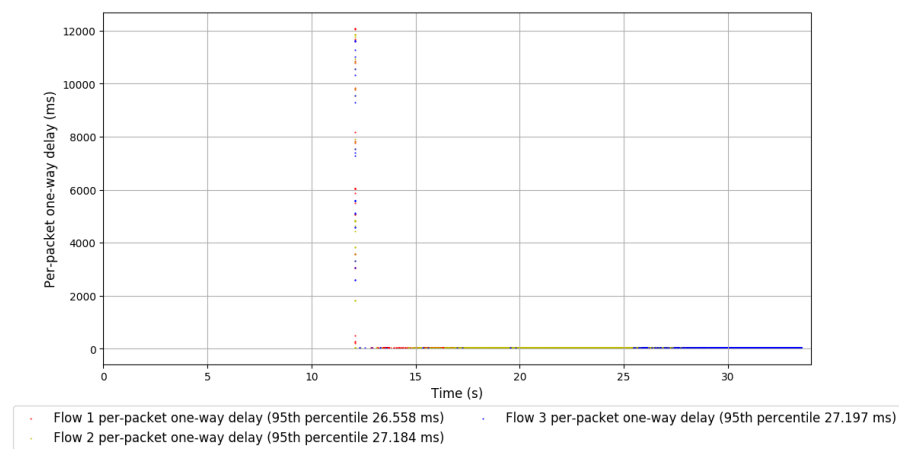
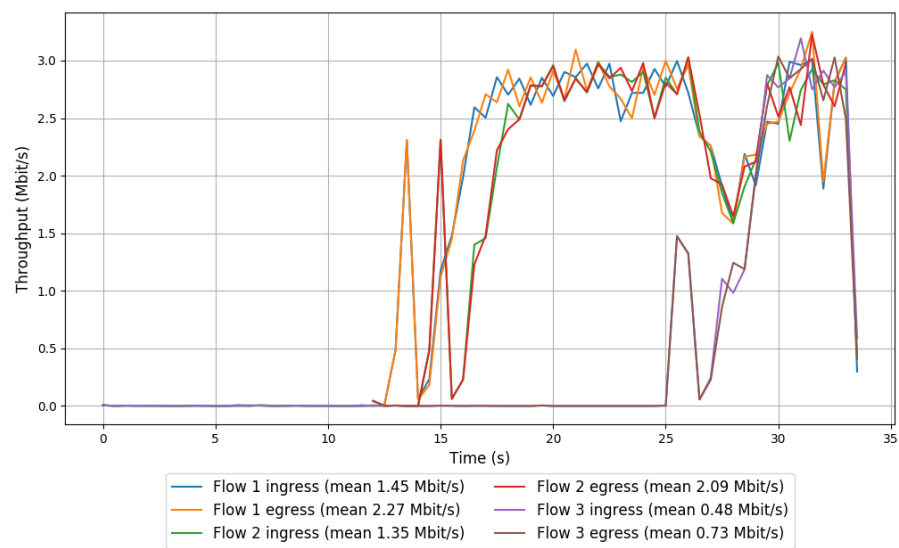
Start at: Wed, 05 Jul 2017 00:03:33 +0000

End at: Wed, 05 Jul 2017 00:04:03 +0000

Local clock offset: 0.269 ms

Remote clock offset: -32.161 ms

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

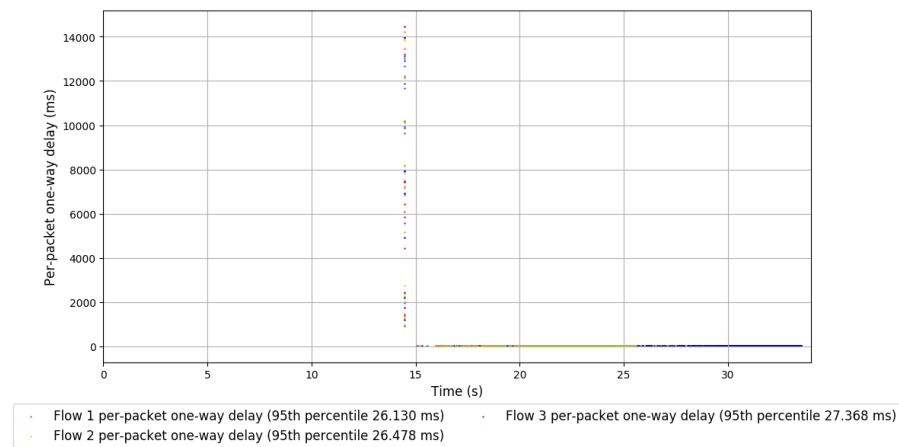
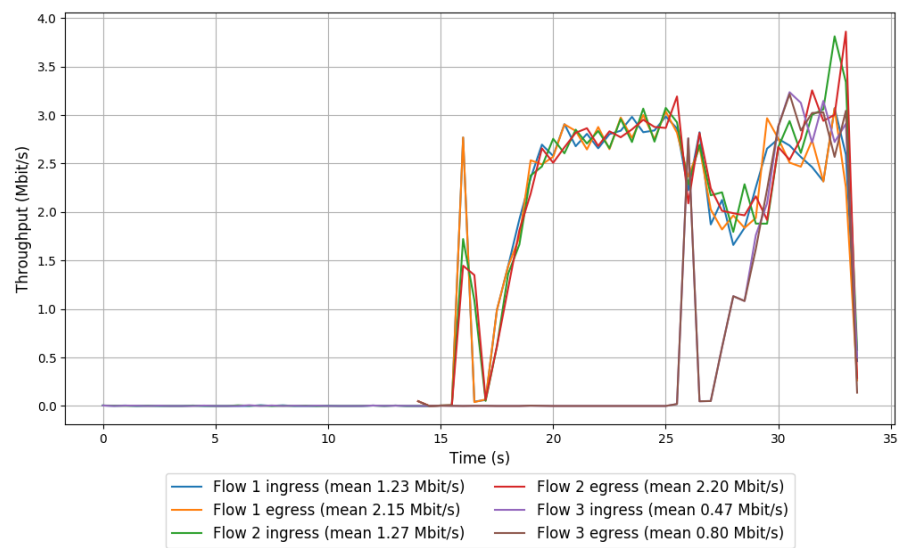
Start at: Wed, 05 Jul 2017 00:21:59 +0000

End at: Wed, 05 Jul 2017 00:22:29 +0000

Local clock offset: 0.332 ms

Remote clock offset: -32.88 ms

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 00:40:28 +0000

End at: Wed, 05 Jul 2017 00:40:58 +0000

Local clock offset: 0.344 ms

Remote clock offset: -32.872 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:43:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.00 Mbit/s

95th percentile per-packet one-way delay: 25.742 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 25.131 ms

Loss rate: 0.42%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 26.282 ms

Loss rate: 0.54%

-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 26.009 ms

Loss rate: 0.84%

Run 10: Report of WebRTC media — Data Link

