

Pantheon Summary (Generated at Wed, 05 Jul 2017 02:02:33 +0000 with pantheon version afeabcbf9f0bccb7f5555428c3b5bcceec857e76)

Repeated the test of 15 congestion control schemes 10 times.

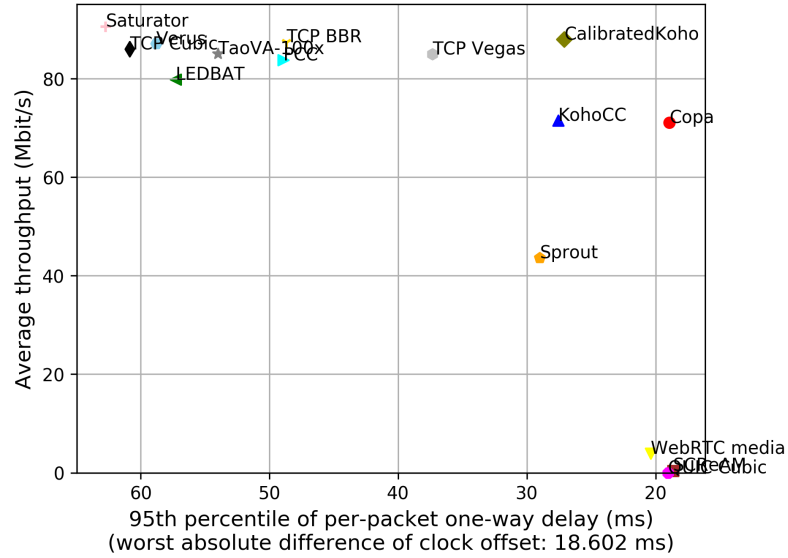
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

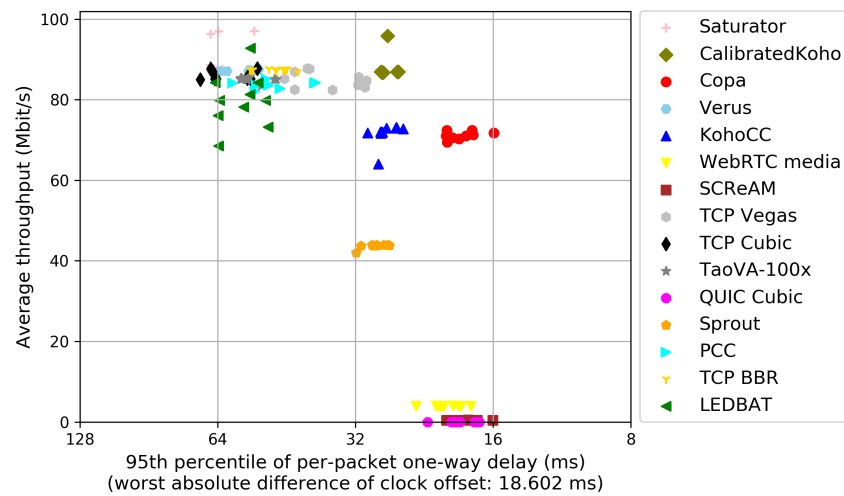
NTP offset measured against nets.org.sg.

```
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
```

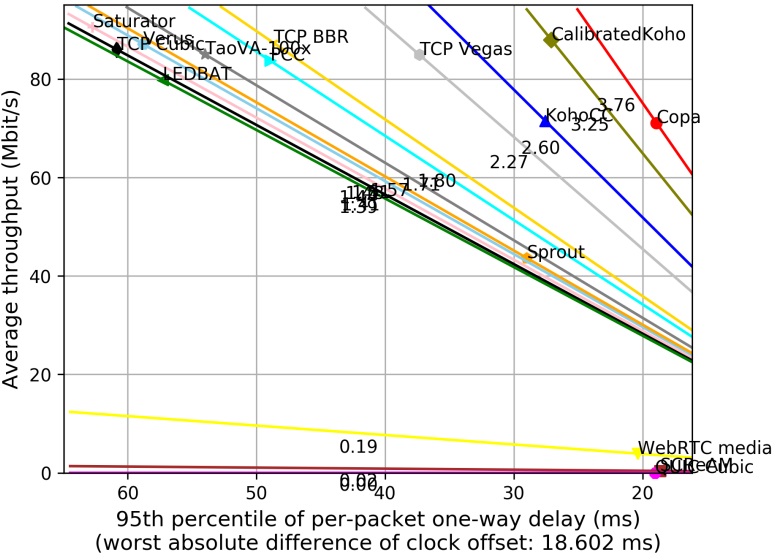
test from India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



test from India Ethernet to AWS India 1 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 21:56:06 +0000

End at: Tue, 04 Jul 2017 21:56:36 +0000

Local clock offset: -1.396 ms

Remote clock offset: -16.248 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:49:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 42.844 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 52.74 Mbit/s

95th percentile per-packet one-way delay: 39.481 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 42.827 ms

Loss rate: 0.19%

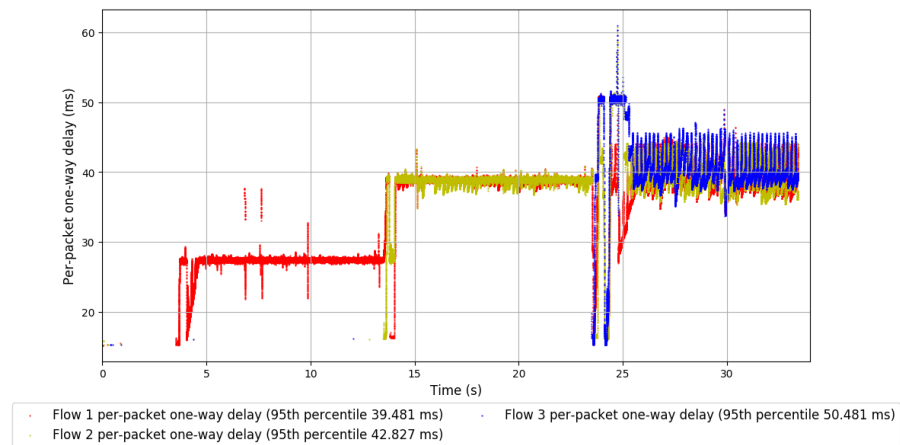
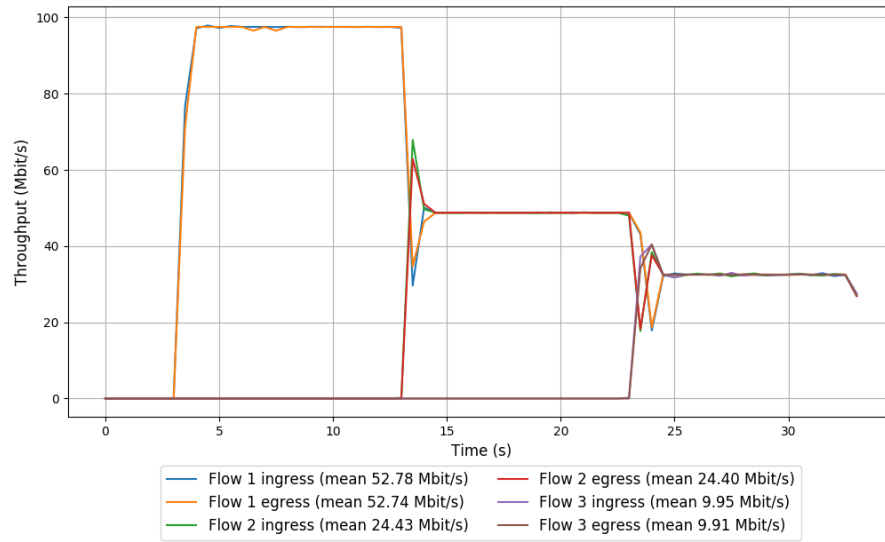
-- Flow 3:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 50.481 ms

Loss rate: 0.48%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 22:14:13 +0000

End at: Tue, 04 Jul 2017 22:14:43 +0000

Local clock offset: 0.625 ms

Remote clock offset: -15.435 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:49:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 45.699 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 53.16 Mbit/s

95th percentile per-packet one-way delay: 42.565 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 24.52 Mbit/s

95th percentile per-packet one-way delay: 46.667 ms

Loss rate: 0.22%

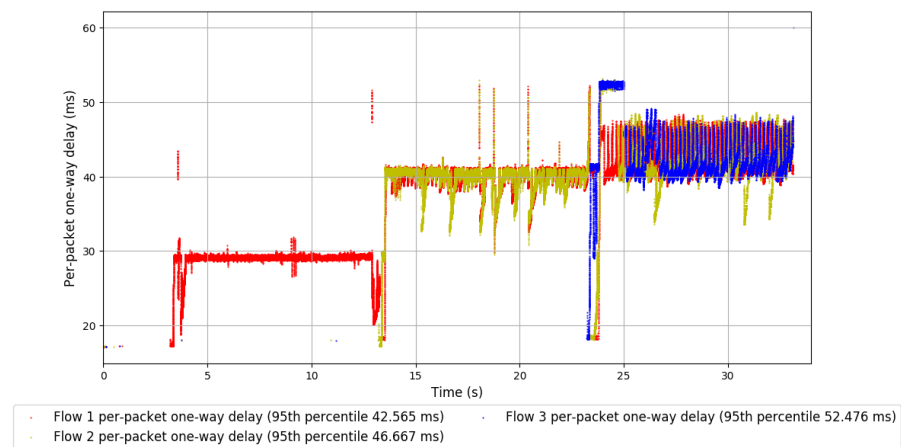
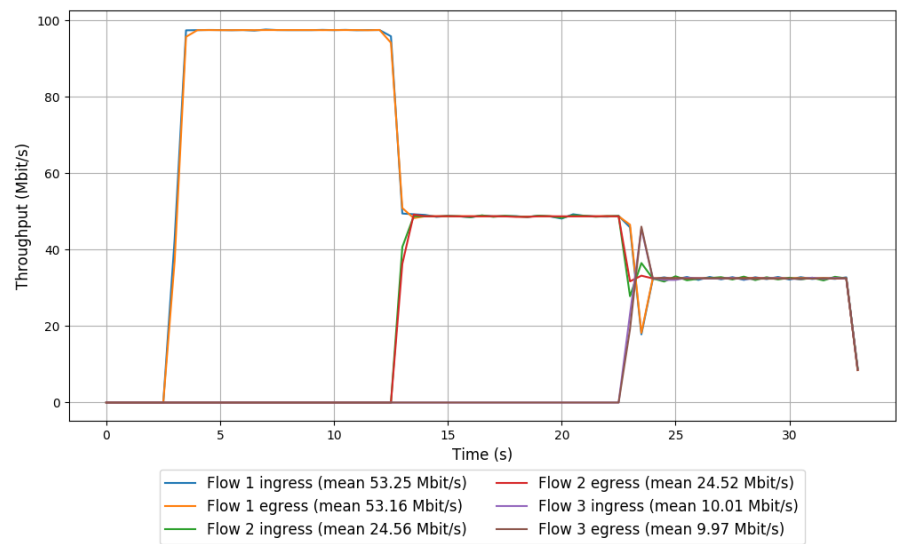
-- Flow 3:

Average throughput: 9.97 Mbit/s

95th percentile per-packet one-way delay: 52.476 ms

Loss rate: 0.47%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 22:32:11 +0000

End at: Tue, 04 Jul 2017 22:32:41 +0000

Local clock offset: 0.849 ms

Remote clock offset: -13.672 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:49:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.54 Mbit/s

95th percentile per-packet one-way delay: 47.885 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 53.25 Mbit/s

95th percentile per-packet one-way delay: 45.297 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 24.50 Mbit/s

95th percentile per-packet one-way delay: 48.226 ms

Loss rate: 0.21%

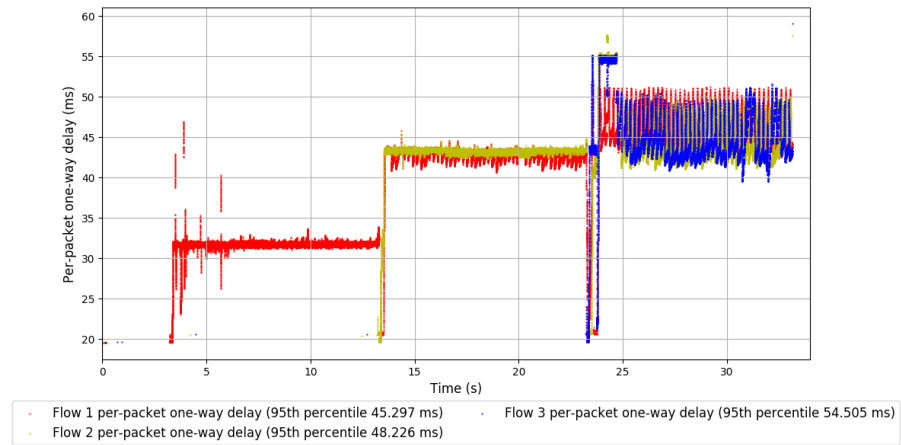
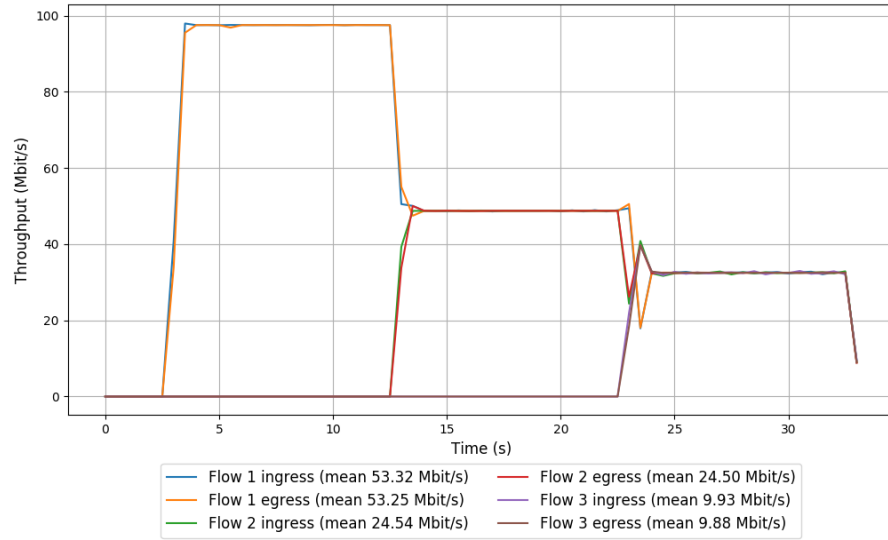
-- Flow 3:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: 54.505 ms

Loss rate: 0.52%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 22:50:11 +0000

End at: Tue, 04 Jul 2017 22:50:41 +0000

Local clock offset: 1.968 ms

Remote clock offset: -12.145 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:49:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 47.646 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 53.15 Mbit/s

95th percentile per-packet one-way delay: 45.289 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 24.34 Mbit/s

95th percentile per-packet one-way delay: 47.267 ms

Loss rate: 0.22%

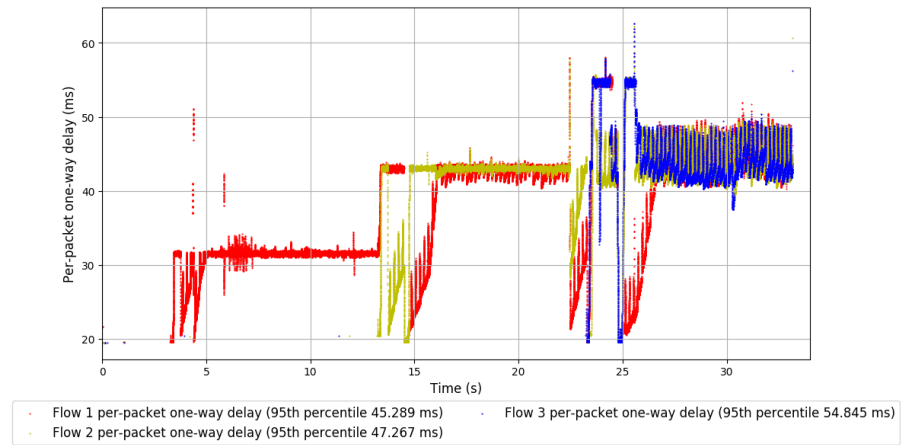
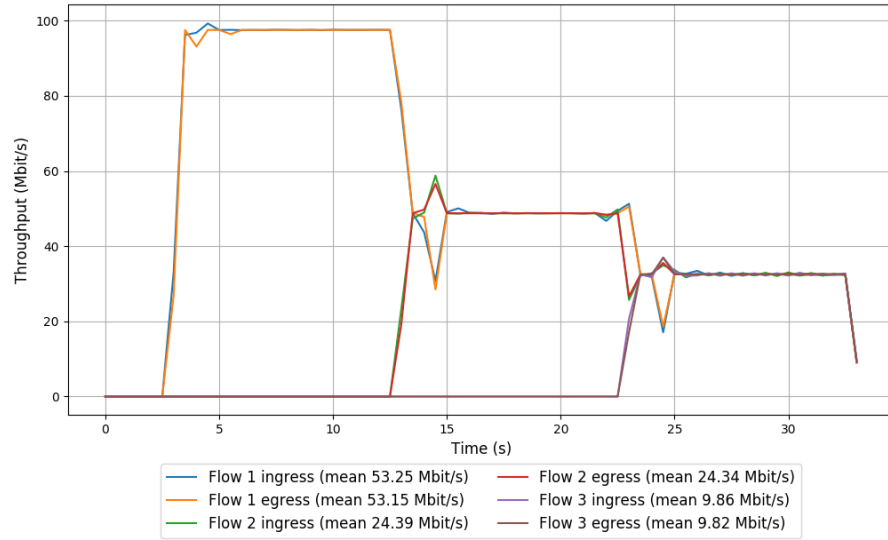
-- Flow 3:

Average throughput: 9.82 Mbit/s

95th percentile per-packet one-way delay: 54.845 ms

Loss rate: 0.49%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:08:26 +0000

End at: Tue, 04 Jul 2017 23:08:56 +0000

Local clock offset: -2.124 ms

Remote clock offset: -14.221 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:49:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 54.077 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 48.18 Mbit/s

95th percentile per-packet one-way delay: 52.209 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 29.12 Mbit/s

95th percentile per-packet one-way delay: 43.517 ms

Loss rate: 0.17%

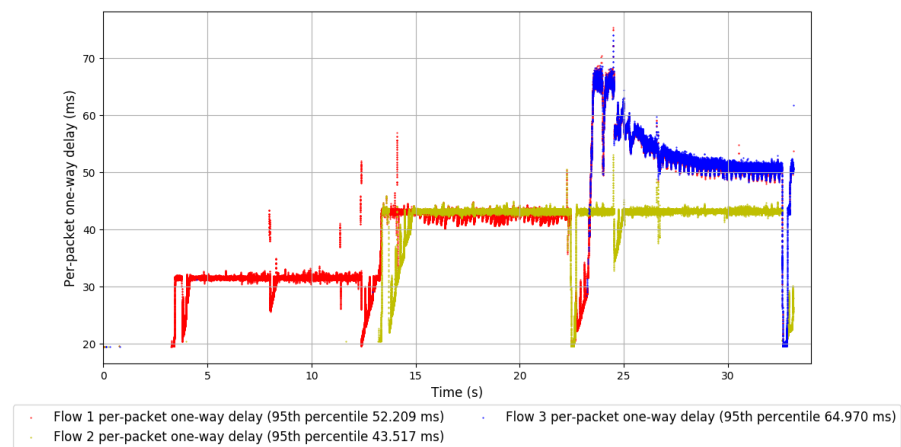
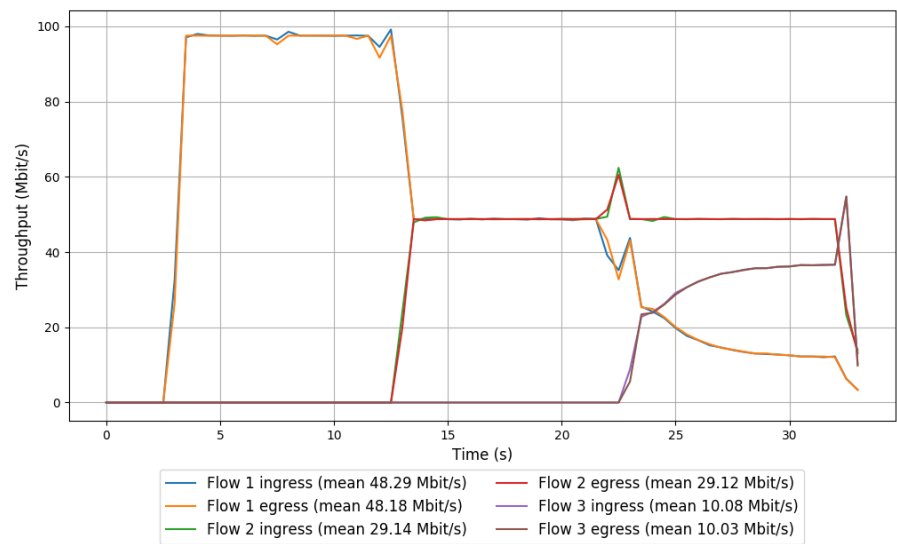
-- Flow 3:

Average throughput: 10.03 Mbit/s

95th percentile per-packet one-way delay: 64.970 ms

Loss rate: 0.62%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:26:31 +0000

End at: Tue, 04 Jul 2017 23:27:01 +0000

Local clock offset: 0.795 ms

Remote clock offset: -13.551 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:49:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 54.477 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 52.90 Mbit/s

95th percentile per-packet one-way delay: 54.304 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 29.22 Mbit/s

95th percentile per-packet one-way delay: 43.394 ms

Loss rate: 0.29%

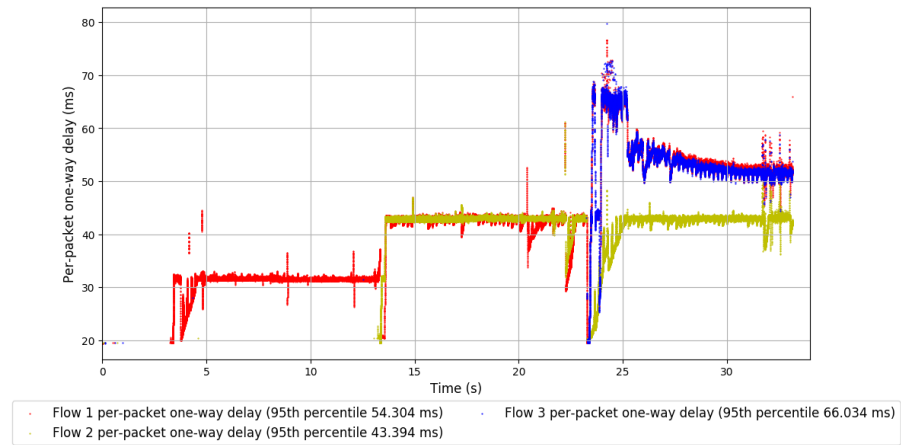
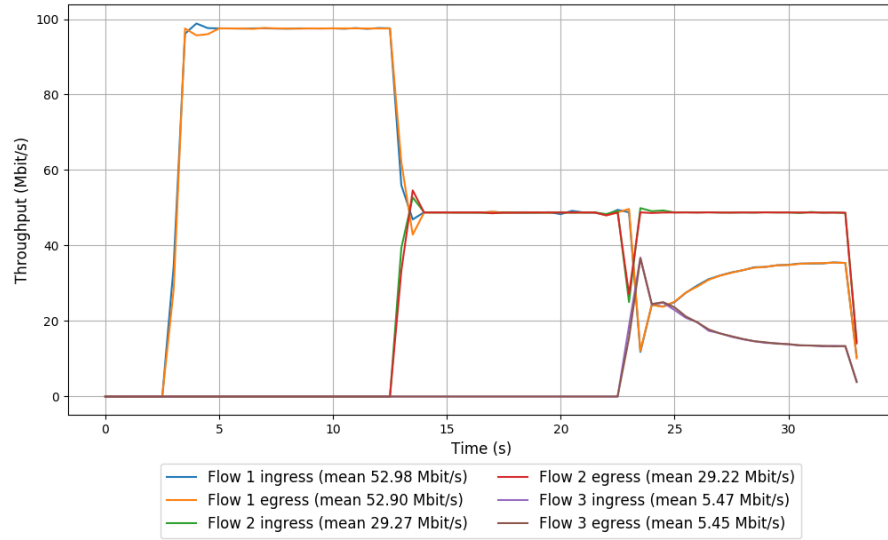
-- Flow 3:

Average throughput: 5.45 Mbit/s

95th percentile per-packet one-way delay: 66.034 ms

Loss rate: 0.43%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:44:43 +0000

End at: Tue, 04 Jul 2017 23:45:13 +0000

Local clock offset: 1.426 ms

Remote clock offset: -12.375 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:49:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.42 Mbit/s

95th percentile per-packet one-way delay: 53.634 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 57.78 Mbit/s

95th percentile per-packet one-way delay: 42.979 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 19.68 Mbit/s

95th percentile per-packet one-way delay: 58.919 ms

Loss rate: 0.19%

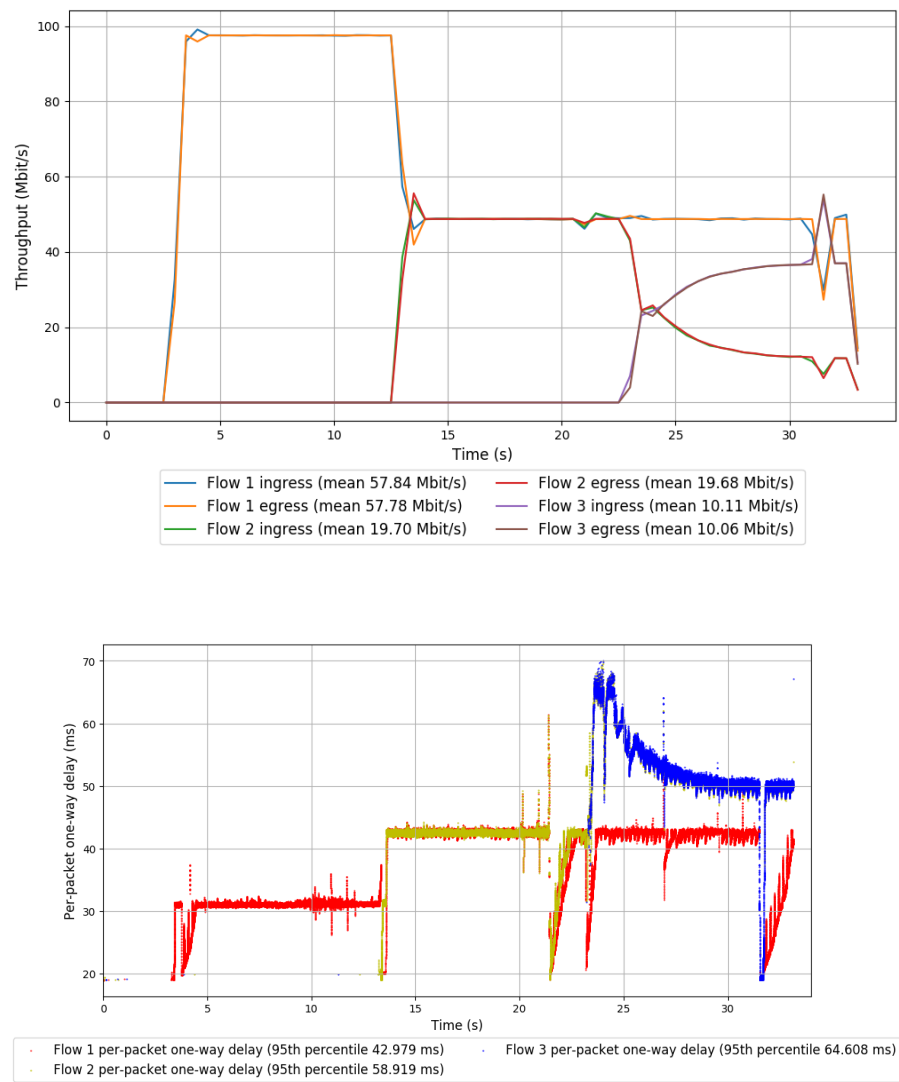
-- Flow 3:

Average throughput: 10.06 Mbit/s

95th percentile per-packet one-way delay: 64.608 ms

Loss rate: 0.62%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 00:02:38 +0000

End at: Wed, 05 Jul 2017 00:03:08 +0000

Local clock offset: 2.158 ms

Remote clock offset: -14.048 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:49:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 49.465 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 57.83 Mbit/s

95th percentile per-packet one-way delay: 40.871 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 20.70 Mbit/s

95th percentile per-packet one-way delay: 56.644 ms

Loss rate: 0.16%

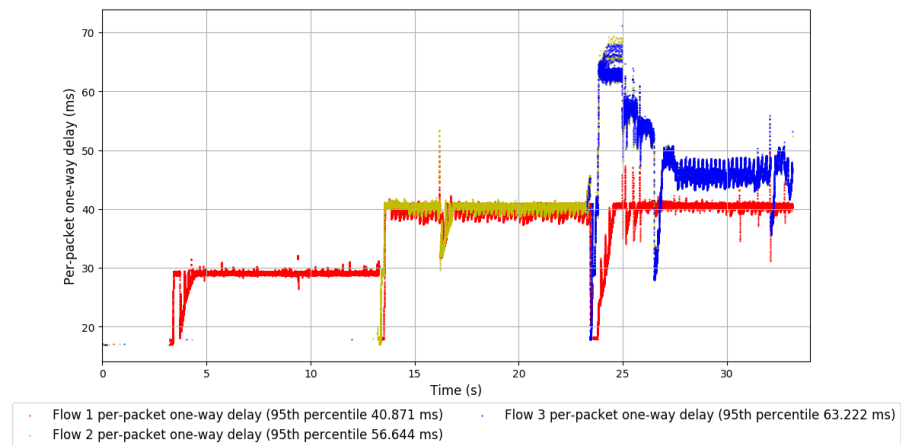
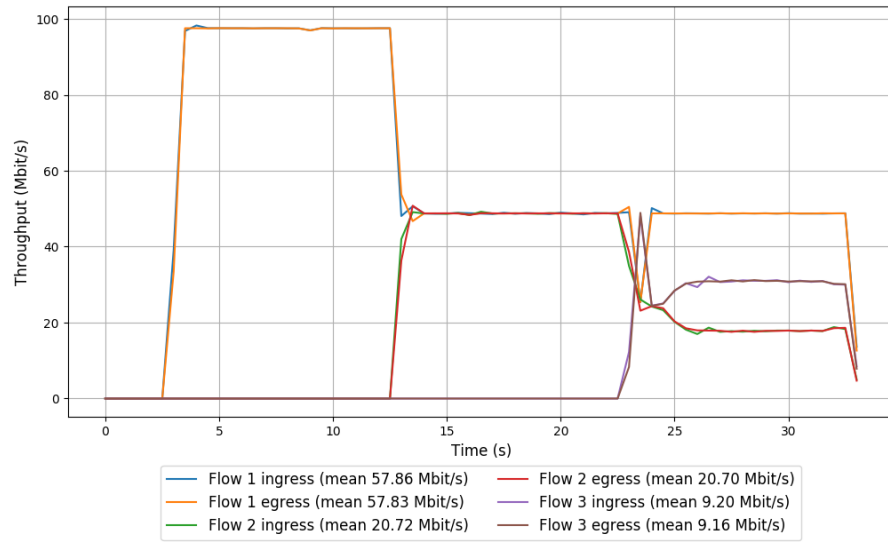
-- Flow 3:

Average throughput: 9.16 Mbit/s

95th percentile per-packet one-way delay: 63.222 ms

Loss rate: 0.54%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 00:20:25 +0000

End at: Wed, 05 Jul 2017 00:20:55 +0000

Local clock offset: 2.807 ms

Remote clock offset: -12.497 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:49:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 45.999 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 53.09 Mbit/s

95th percentile per-packet one-way delay: 44.992 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 44.993 ms

Loss rate: 0.19%

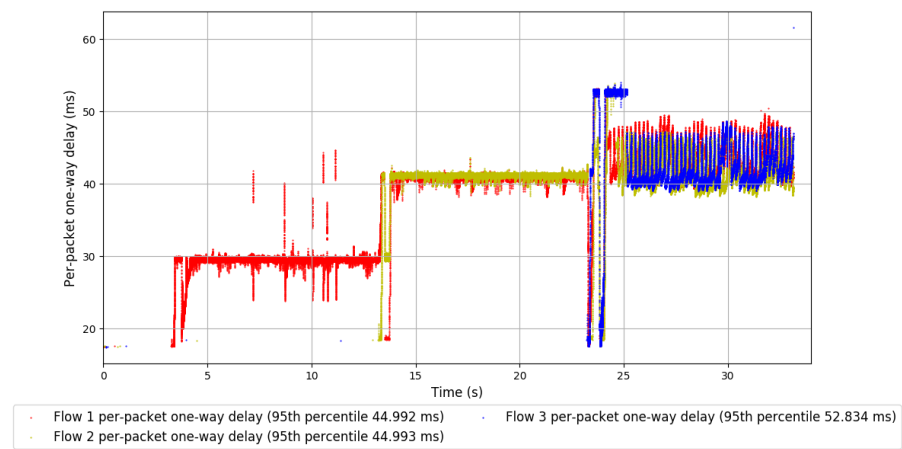
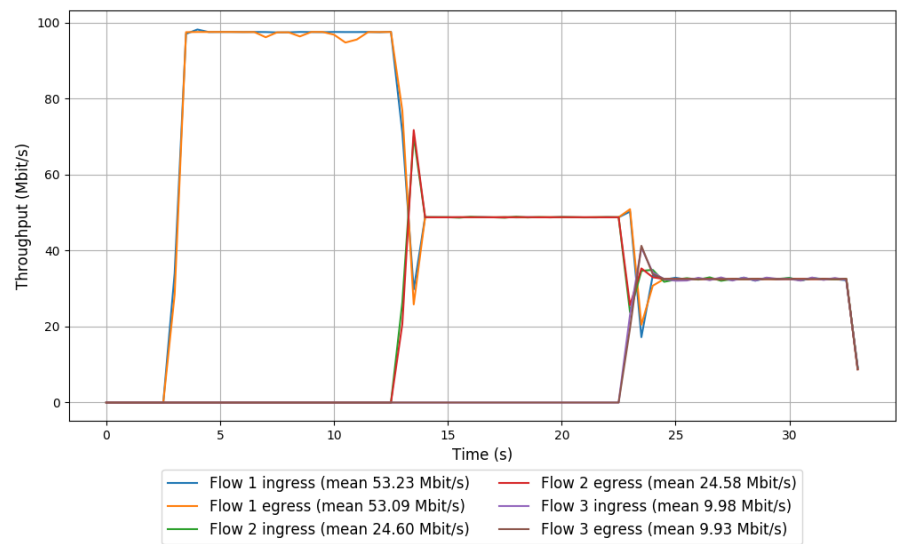
-- Flow 3:

Average throughput: 9.93 Mbit/s

95th percentile per-packet one-way delay: 52.834 ms

Loss rate: 0.47%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 00:38:20 +0000

End at: Wed, 05 Jul 2017 00:38:50 +0000

Local clock offset: 0.315 ms

Remote clock offset: -12.472 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:49:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.60 Mbit/s

95th percentile per-packet one-way delay: 45.198 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 53.22 Mbit/s

95th percentile per-packet one-way delay: 42.336 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 45.515 ms

Loss rate: 0.20%

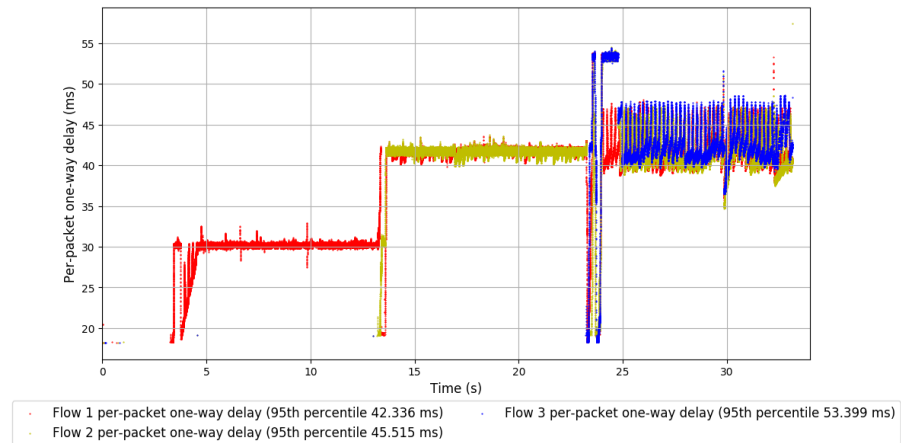
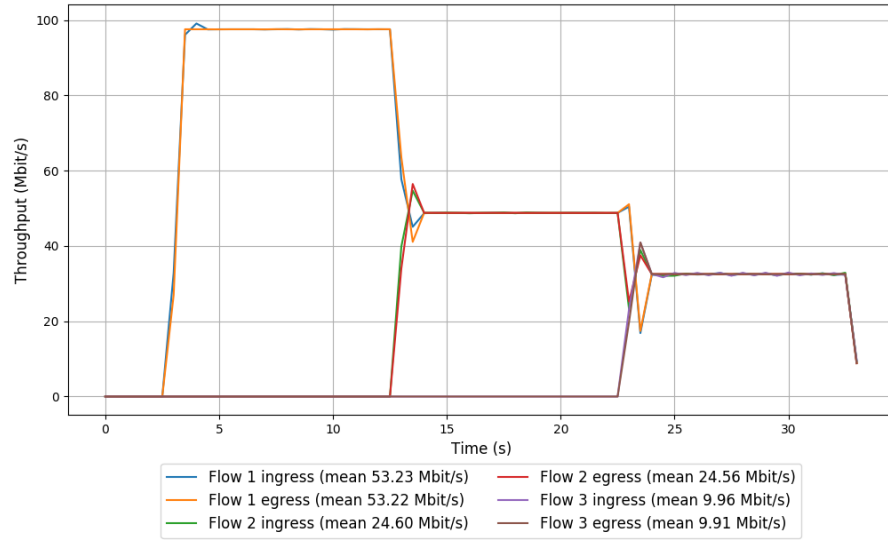
-- Flow 3:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 53.399 ms

Loss rate: 0.51%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

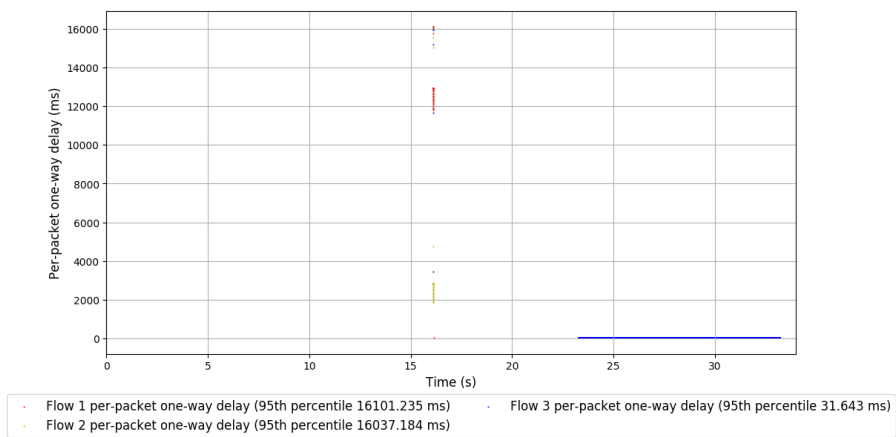
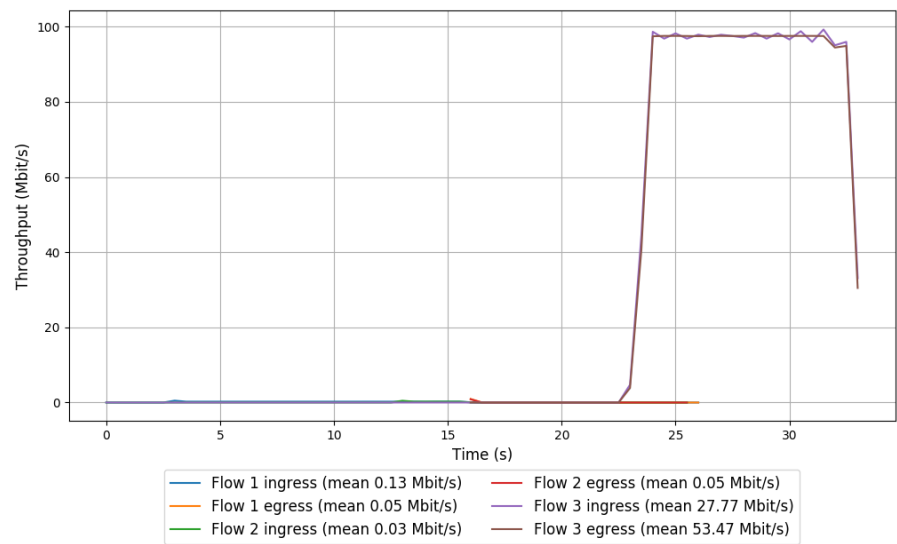
Start at: Tue, 04 Jul 2017 21:53:51 +0000

End at: Tue, 04 Jul 2017 21:54:21 +0000

Local clock offset: -1.92 ms

Remote clock offset: -16.581 ms

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:11:52 +0000

End at: Tue, 04 Jul 2017 22:12:22 +0000

Local clock offset: 0.438 ms

Remote clock offset: -15.118 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:50:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 25.798 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 53.19 Mbit/s

95th percentile per-packet one-way delay: 25.793 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 25.814 ms

Loss rate: 0.14%

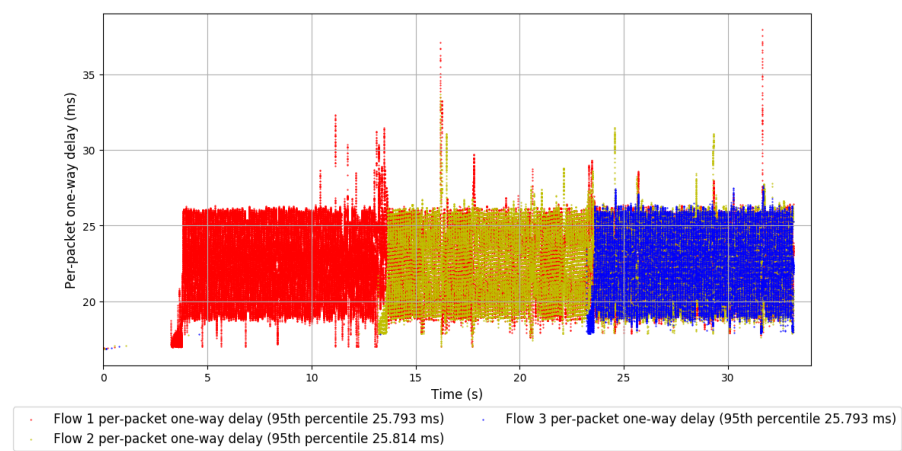
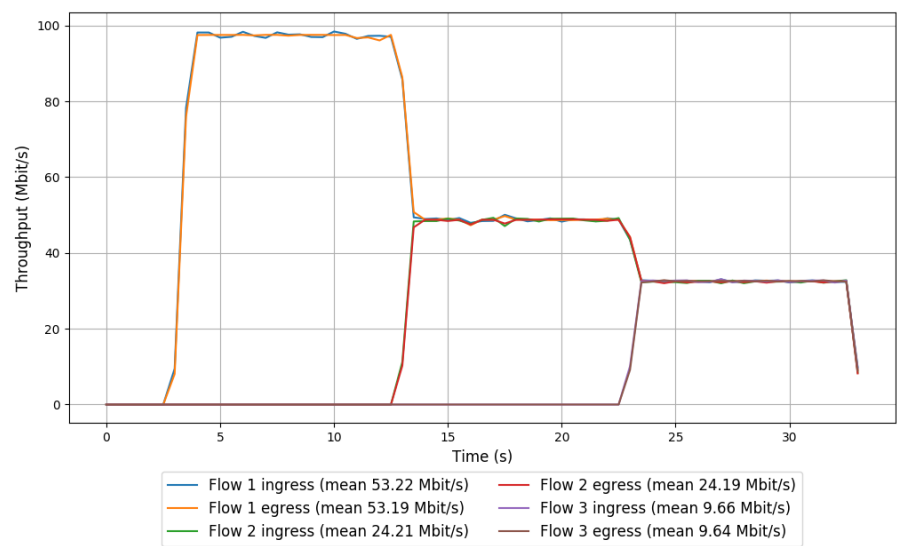
-- Flow 3:

Average throughput: 9.64 Mbit/s

95th percentile per-packet one-way delay: 25.793 ms

Loss rate: 0.31%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:29:53 +0000

End at: Tue, 04 Jul 2017 22:30:23 +0000

Local clock offset: -1.498 ms

Remote clock offset: -12.784 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:50:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.79 Mbit/s

95th percentile per-packet one-way delay: 27.991 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 53.01 Mbit/s

95th percentile per-packet one-way delay: 27.855 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 24.23 Mbit/s

95th percentile per-packet one-way delay: 27.968 ms

Loss rate: 0.12%

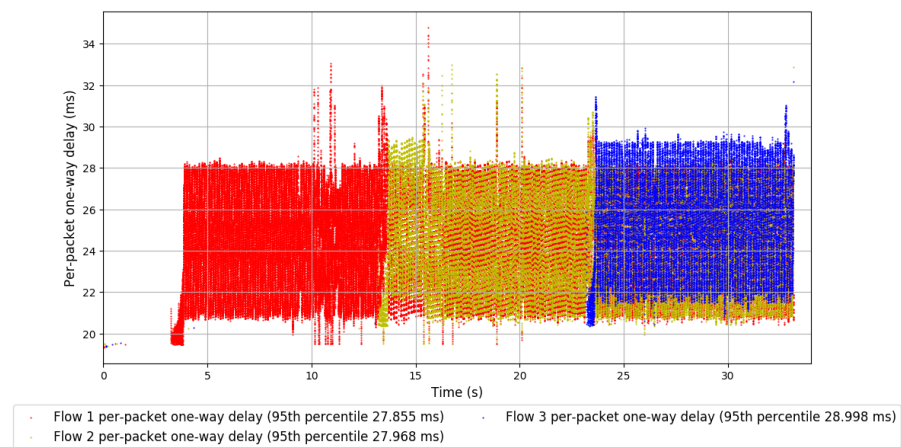
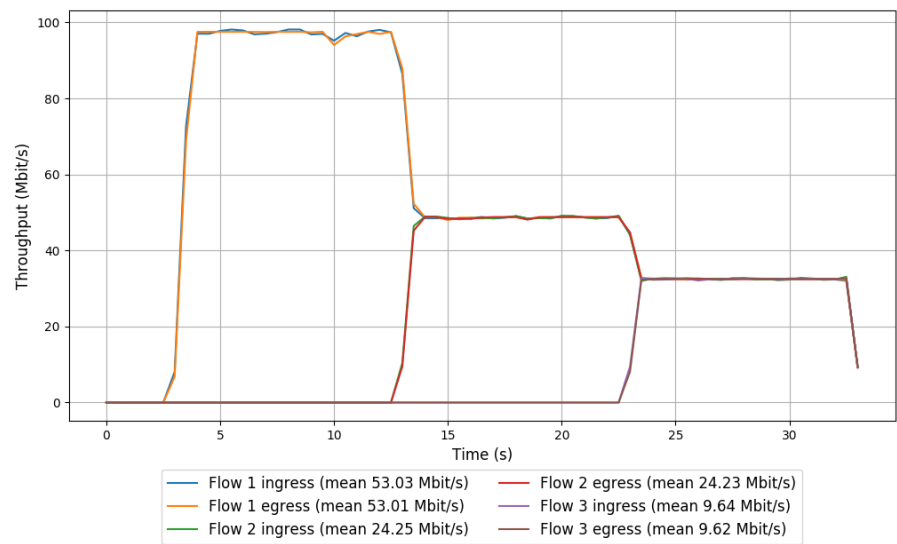
-- Flow 3:

Average throughput: 9.62 Mbit/s

95th percentile per-packet one-way delay: 28.998 ms

Loss rate: 0.30%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:47:51 +0000

End at: Tue, 04 Jul 2017 22:48:21 +0000

Local clock offset: 1.118 ms

Remote clock offset: -12.435 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:50:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.75 Mbit/s

95th percentile per-packet one-way delay: 27.811 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 65.19 Mbit/s

95th percentile per-packet one-way delay: 27.802 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 7.34 Mbit/s

95th percentile per-packet one-way delay: 27.814 ms

Loss rate: 0.02%

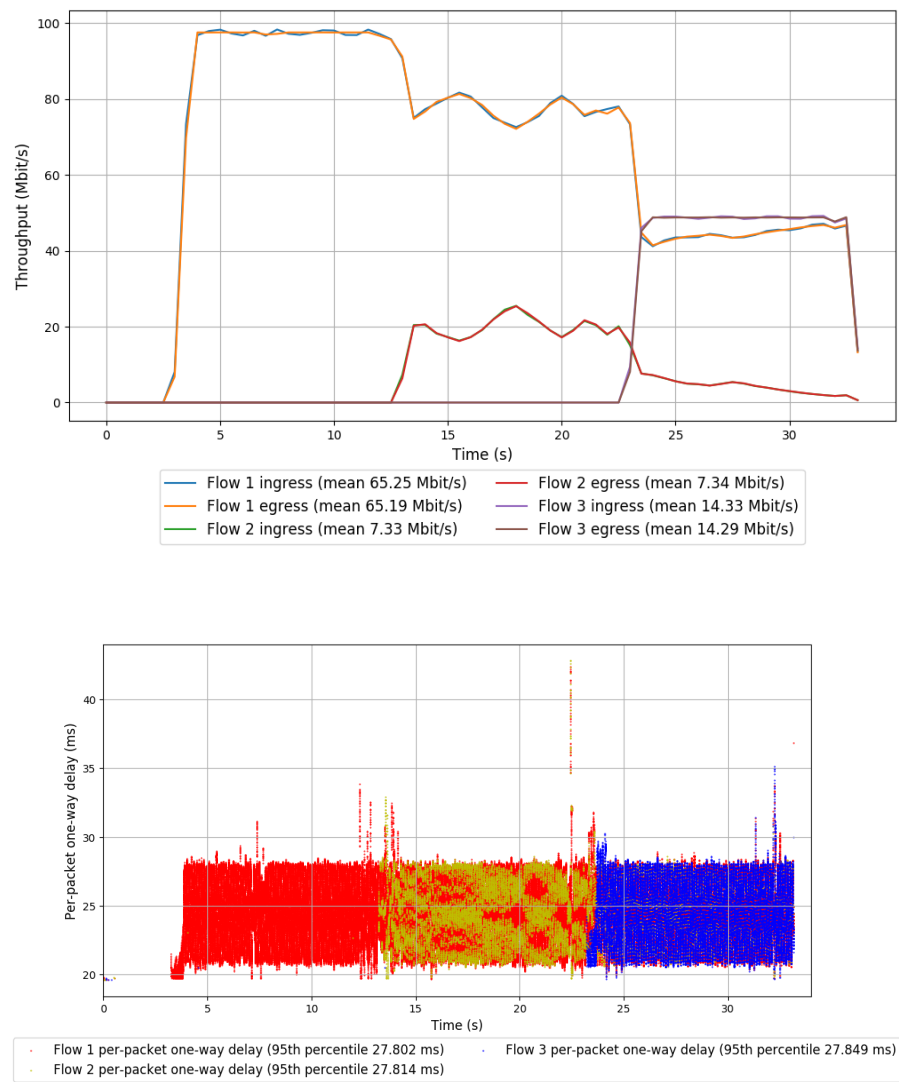
-- Flow 3:

Average throughput: 14.29 Mbit/s

95th percentile per-packet one-way delay: 27.849 ms

Loss rate: 0.29%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 23:06:05 +0000

End at: Tue, 04 Jul 2017 23:06:35 +0000

Local clock offset: -1.806 ms

Remote clock offset: -13.0 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:50:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.90 Mbit/s

95th percentile per-packet one-way delay: 28.158 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 53.10 Mbit/s

95th percentile per-packet one-way delay: 27.864 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 24.26 Mbit/s

95th percentile per-packet one-way delay: 28.872 ms

Loss rate: 0.12%

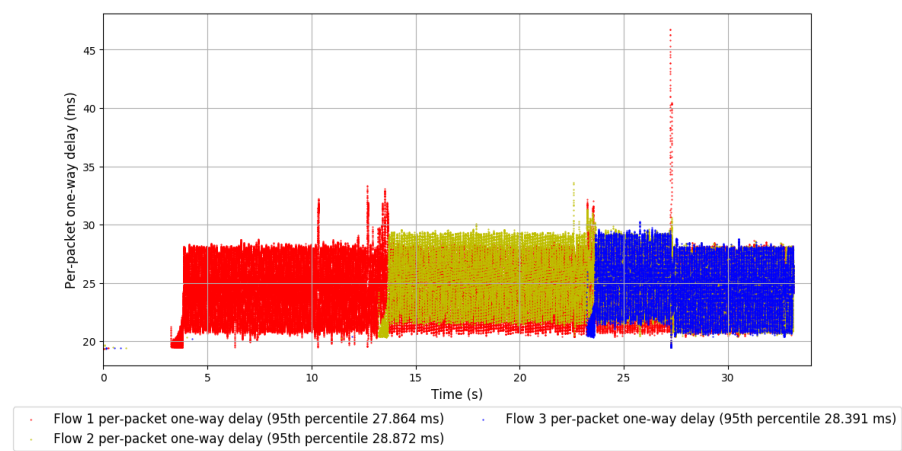
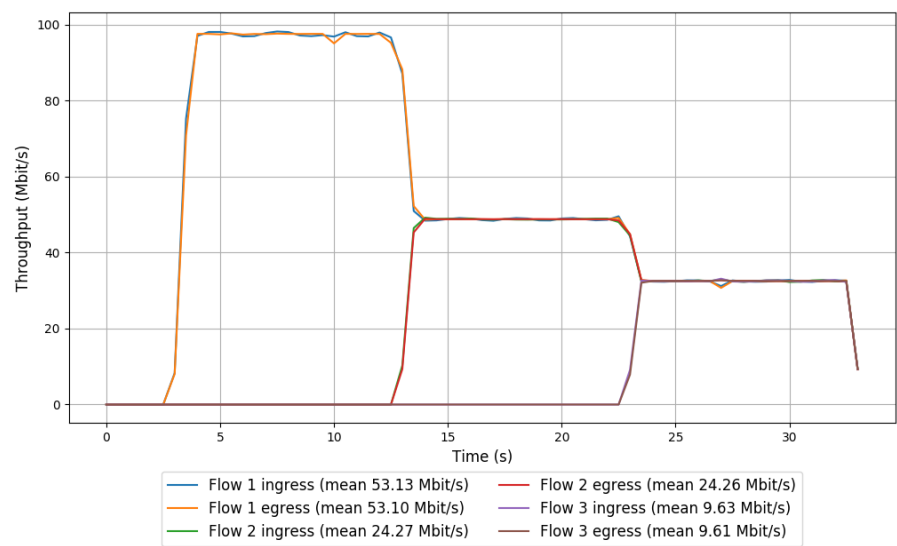
-- Flow 3:

Average throughput: 9.61 Mbit/s

95th percentile per-packet one-way delay: 28.391 ms

Loss rate: 0.25%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

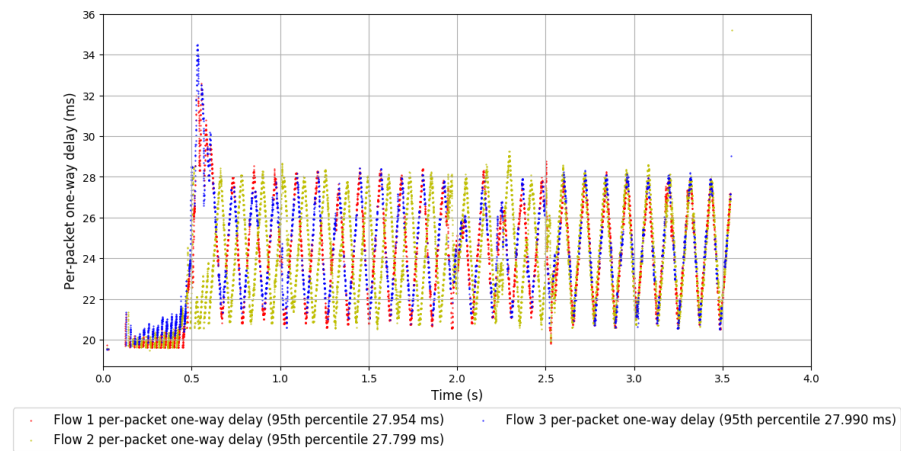
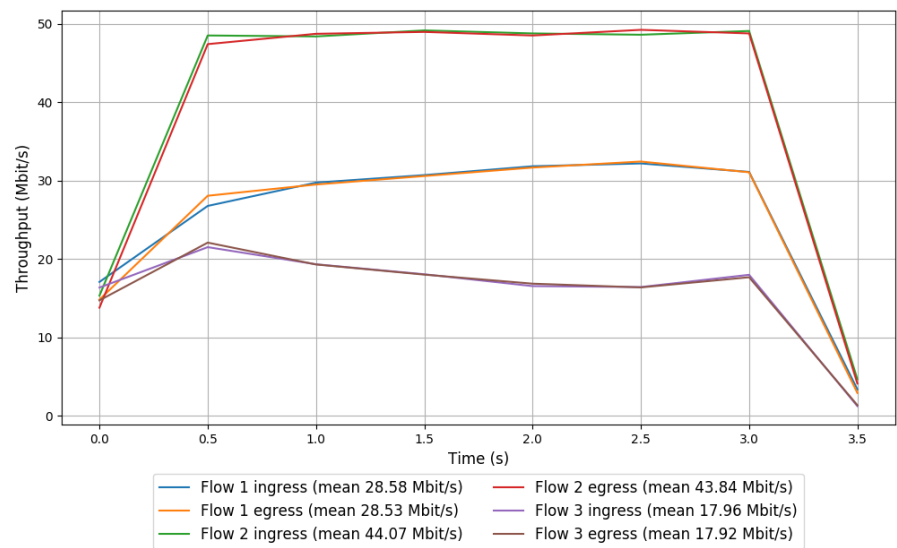
Start at: Tue, 04 Jul 2017 23:24:20 +0000

End at: Tue, 04 Jul 2017 23:24:50 +0000

Local clock offset: 0.556 ms

Remote clock offset: -14.112 ms

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 23:42:22 +0000

End at: Tue, 04 Jul 2017 23:42:52 +0000

Local clock offset: 1.642 ms

Remote clock offset: -13.764 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:50:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 28.015 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 53.18 Mbit/s

95th percentile per-packet one-way delay: 27.882 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 24.09 Mbit/s

95th percentile per-packet one-way delay: 27.990 ms

Loss rate: 0.31%

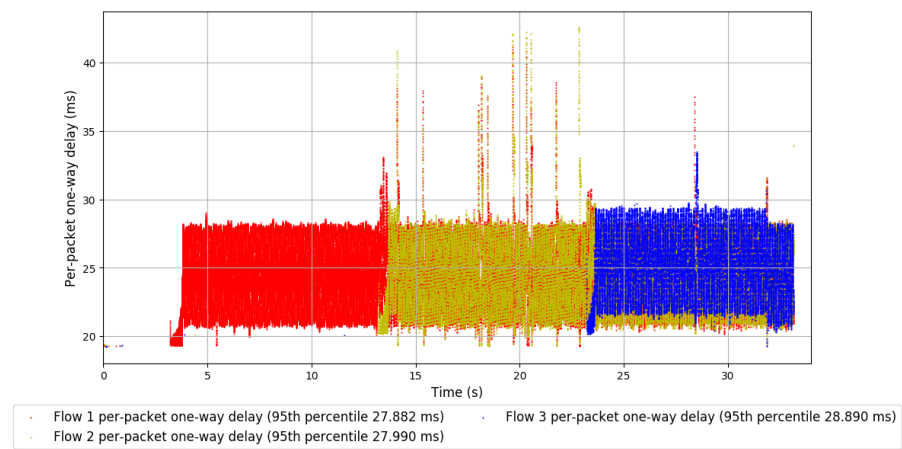
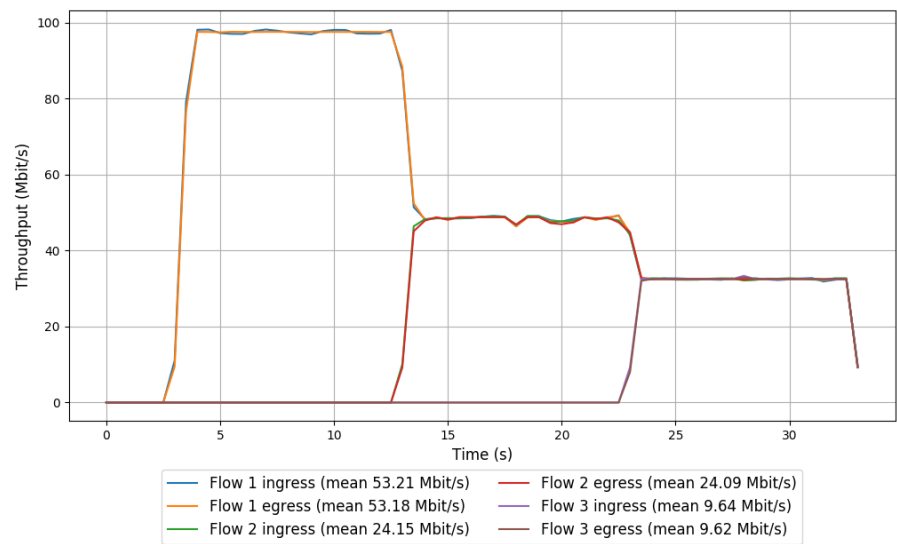
-- Flow 3:

Average throughput: 9.62 Mbit/s

95th percentile per-packet one-way delay: 28.890 ms

Loss rate: 0.29%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

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

End at: Wed, 05 Jul 2017 00:00:49 +0000

Local clock offset: 0.851 ms

Remote clock offset: -13.265 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:50:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.93 Mbit/s

95th percentile per-packet one-way delay: 25.917 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 51.58 Mbit/s

95th percentile per-packet one-way delay: 25.755 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 22.19 Mbit/s

95th percentile per-packet one-way delay: 25.823 ms

Loss rate: 0.14%

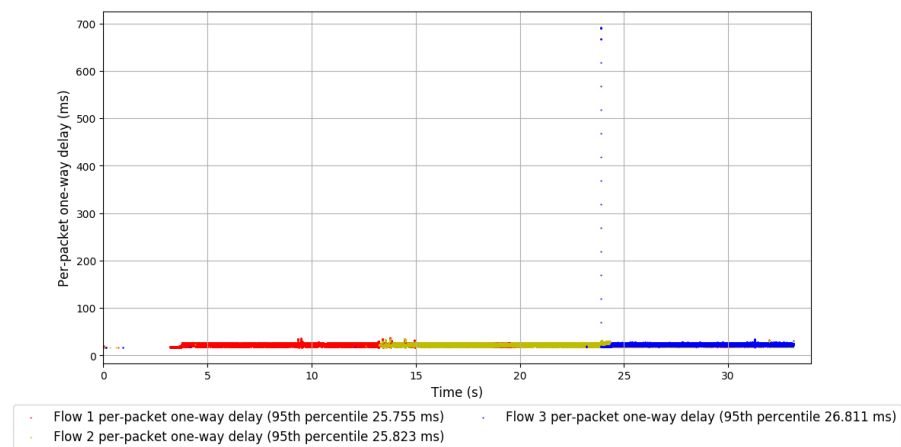
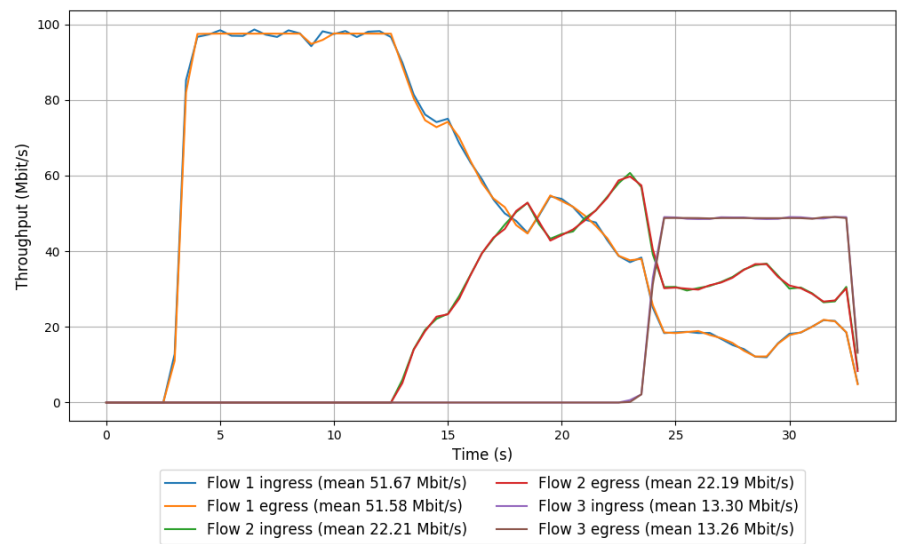
-- Flow 3:

Average throughput: 13.26 Mbit/s

95th percentile per-packet one-way delay: 26.811 ms

Loss rate: 0.36%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 00:18:05 +0000

End at: Wed, 05 Jul 2017 00:18:35 +0000

Local clock offset: -0.274 ms

Remote clock offset: -14.527 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:50:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.89 Mbit/s

95th percentile per-packet one-way delay: 25.838 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 53.12 Mbit/s

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

Loss rate: 0.12%

-- Flow 2:

Average throughput: 24.25 Mbit/s

95th percentile per-packet one-way delay: 26.201 ms

Loss rate: 0.11%

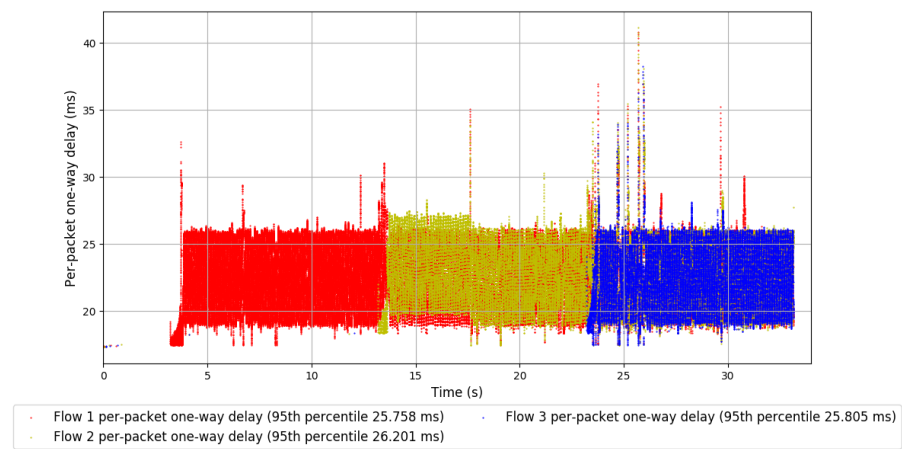
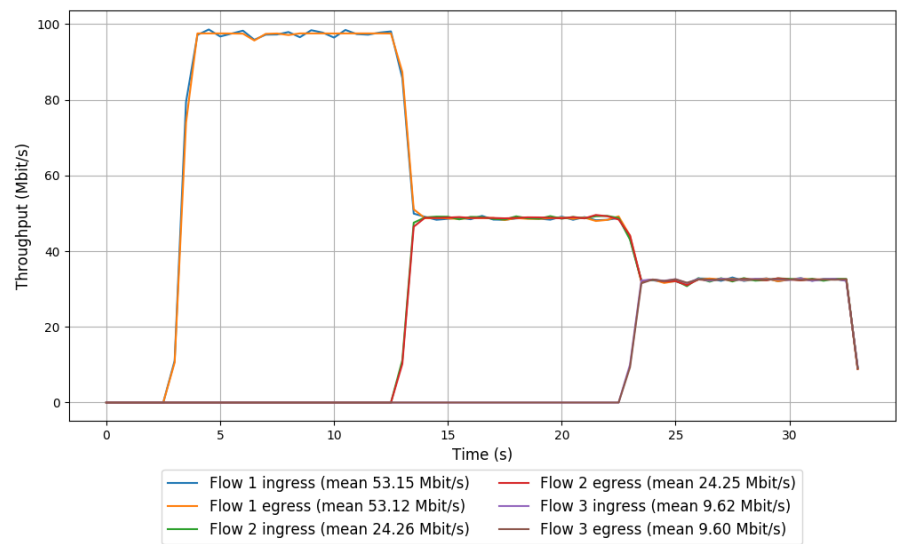
-- Flow 3:

Average throughput: 9.60 Mbit/s

95th percentile per-packet one-way delay: 25.805 ms

Loss rate: 0.28%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 00:36:02 +0000

End at: Wed, 05 Jul 2017 00:36:32 +0000

Local clock offset: 2.045 ms

Remote clock offset: -11.845 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:50:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 95.81 Mbit/s

95th percentile per-packet one-way delay: 27.204 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 40.68 Mbit/s

95th percentile per-packet one-way delay: 26.844 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 37.81 Mbit/s

95th percentile per-packet one-way delay: 27.447 ms

Loss rate: 0.25%

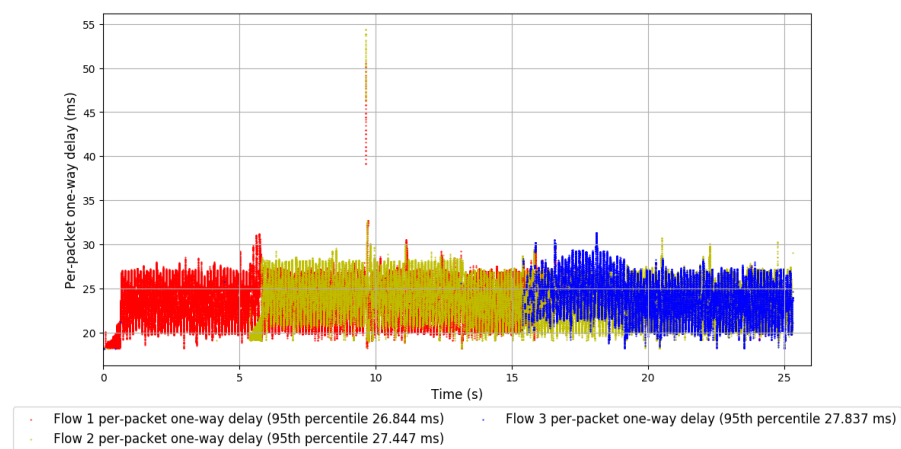
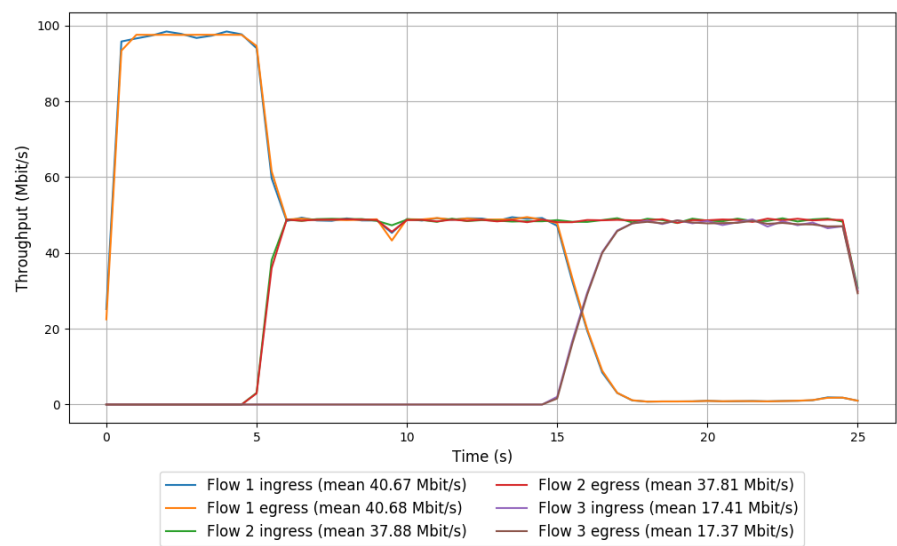
-- Flow 3:

Average throughput: 17.37 Mbit/s

95th percentile per-packet one-way delay: 27.837 ms

Loss rate: 0.34%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Tue, 04 Jul 2017 21:57:22 +0000

End at: Tue, 04 Jul 2017 21:57:52 +0000

Local clock offset: -2.039 ms

Remote clock offset: -16.345 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:51:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.78 Mbit/s

95th percentile per-packet one-way delay: 15.932 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 39.82 Mbit/s

95th percentile per-packet one-way delay: 15.775 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 22.83 Mbit/s

95th percentile per-packet one-way delay: 15.984 ms

Loss rate: 0.10%

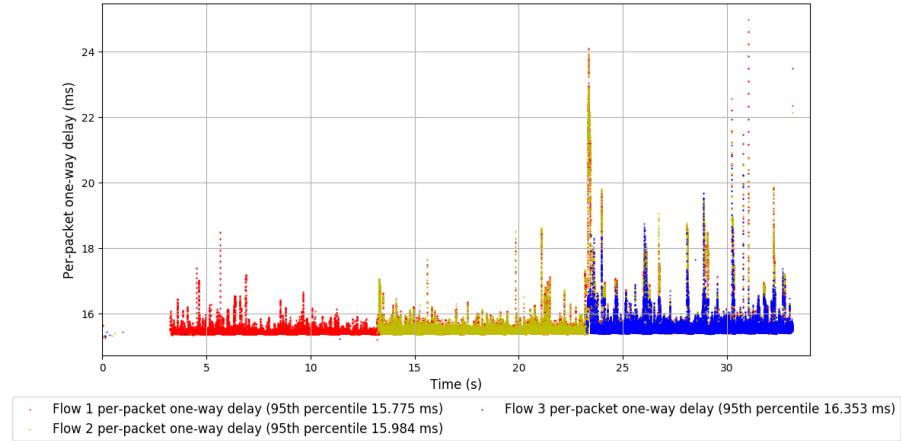
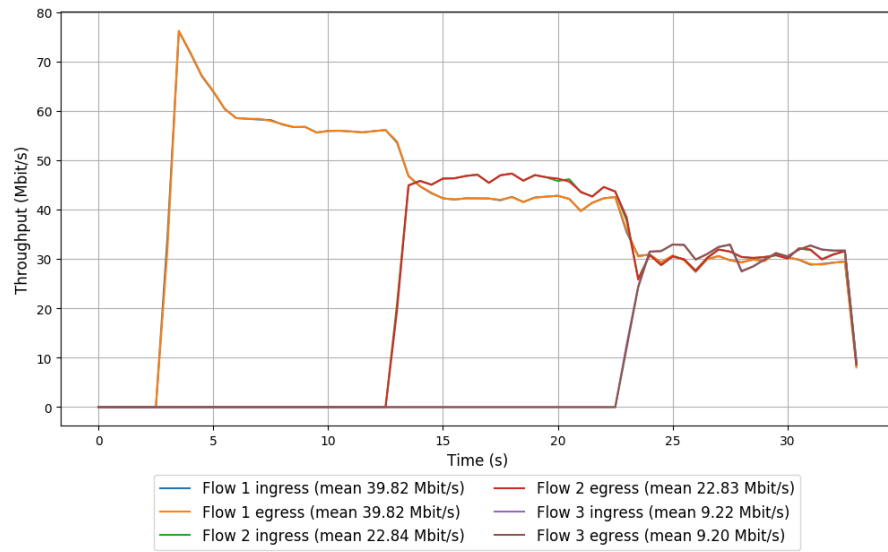
-- Flow 3:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 16.353 ms

Loss rate: 0.26%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:15:26 +0000

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

Local clock offset: -0.13 ms

Remote clock offset: -15.319 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:51:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.37 Mbit/s

95th percentile per-packet one-way delay: 17.781 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 40.67 Mbit/s

95th percentile per-packet one-way delay: 17.690 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 22.12 Mbit/s

95th percentile per-packet one-way delay: 17.840 ms

Loss rate: 0.10%

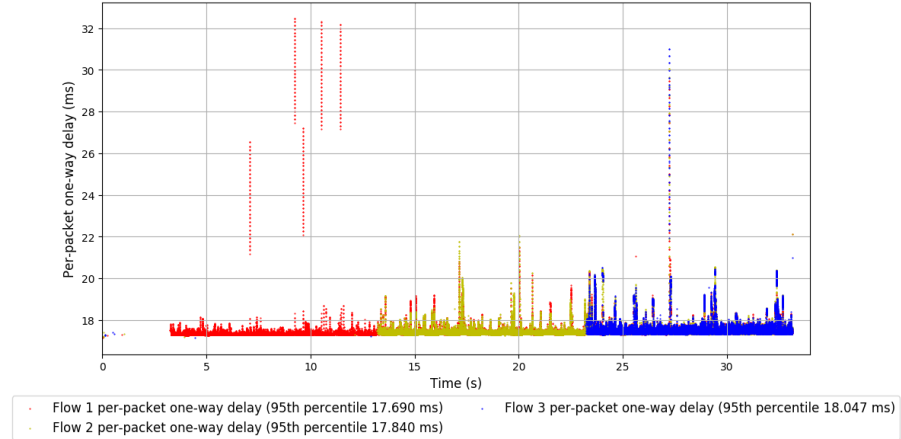
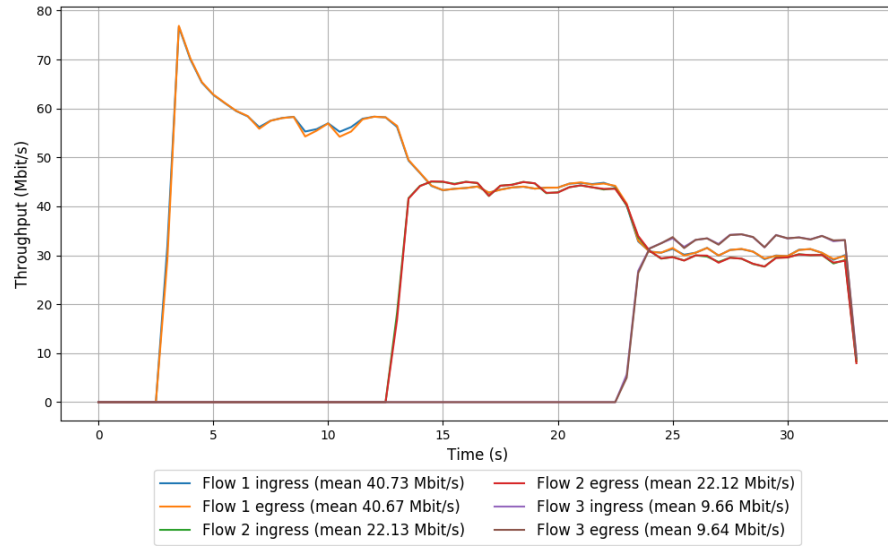
-- Flow 3:

Average throughput: 9.64 Mbit/s

95th percentile per-packet one-way delay: 18.047 ms

Loss rate: 0.28%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:33:23 +0000

End at: Tue, 04 Jul 2017 22:33:53 +0000

Local clock offset: -2.292 ms

Remote clock offset: -13.653 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:51:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.38 Mbit/s

95th percentile per-packet one-way delay: 20.208 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 39.31 Mbit/s

95th percentile per-packet one-way delay: 20.038 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 24.20 Mbit/s

95th percentile per-packet one-way delay: 20.269 ms

Loss rate: 0.17%

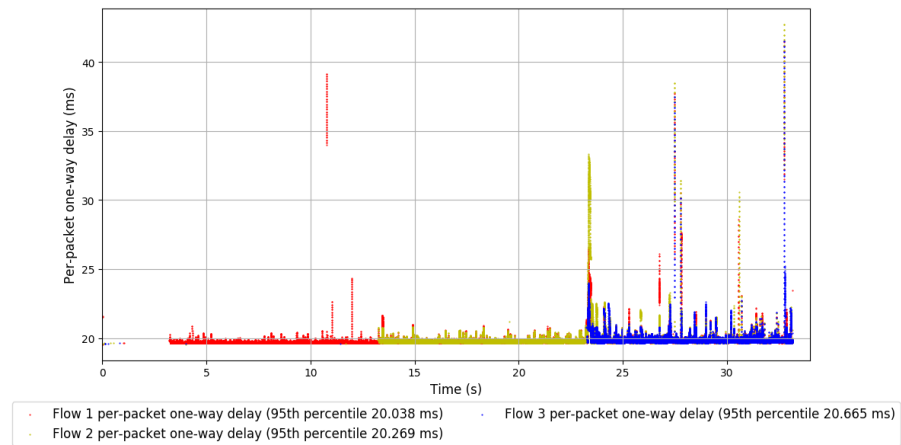
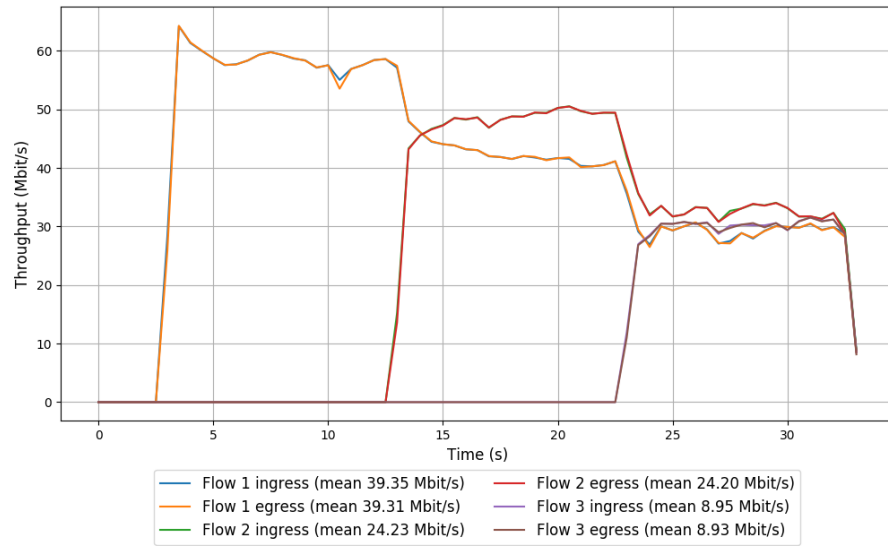
-- Flow 3:

Average throughput: 8.93 Mbit/s

95th percentile per-packet one-way delay: 20.665 ms

Loss rate: 0.28%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:51:26 +0000

End at: Tue, 04 Jul 2017 22:51:56 +0000

Local clock offset: 0.935 ms

Remote clock offset: -12.669 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:51:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.42 Mbit/s

95th percentile per-packet one-way delay: 20.156 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 37.32 Mbit/s

95th percentile per-packet one-way delay: 19.958 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 22.95 Mbit/s

95th percentile per-packet one-way delay: 20.243 ms

Loss rate: 0.14%

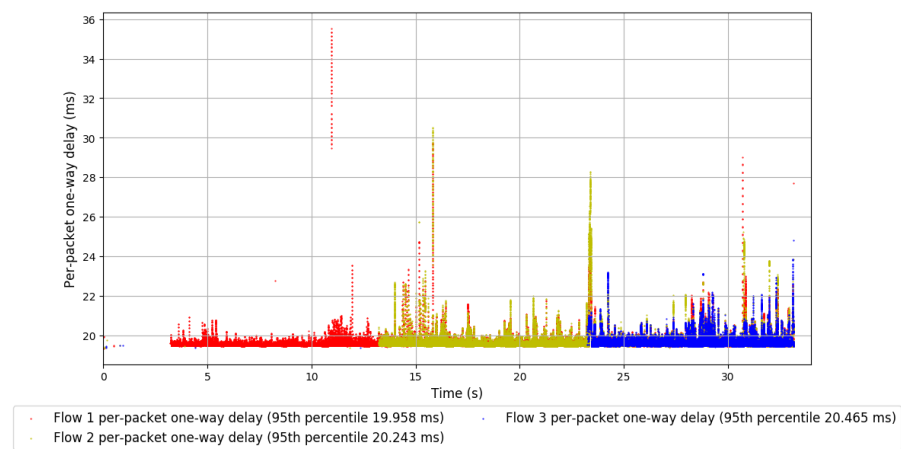
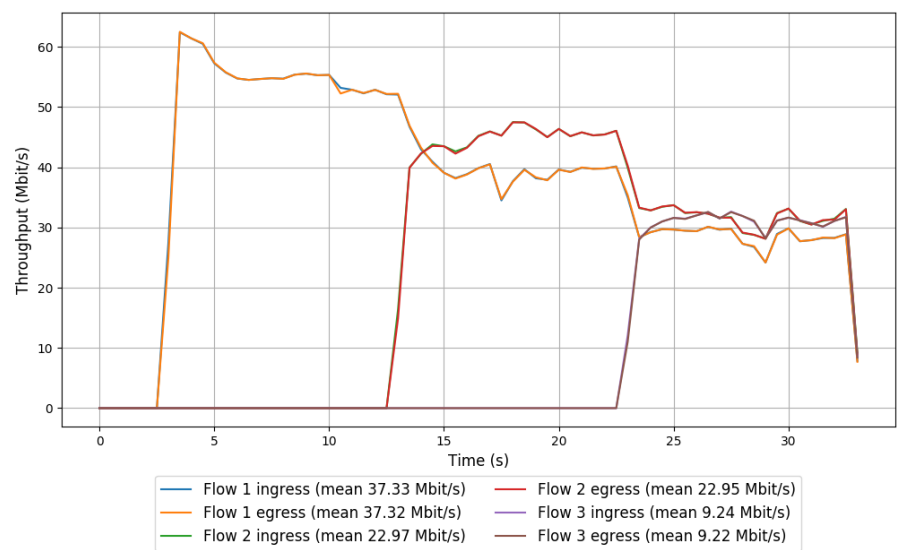
-- Flow 3:

Average throughput: 9.22 Mbit/s

95th percentile per-packet one-way delay: 20.465 ms

Loss rate: 0.24%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Tue, 04 Jul 2017 23:09:38 +0000

End at: Tue, 04 Jul 2017 23:10:08 +0000

Local clock offset: 0.624 ms

Remote clock offset: -11.065 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:51:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.04 Mbit/s

95th percentile per-packet one-way delay: 20.264 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 38.71 Mbit/s

95th percentile per-packet one-way delay: 20.071 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 23.21 Mbit/s

95th percentile per-packet one-way delay: 20.350 ms

Loss rate: 0.10%

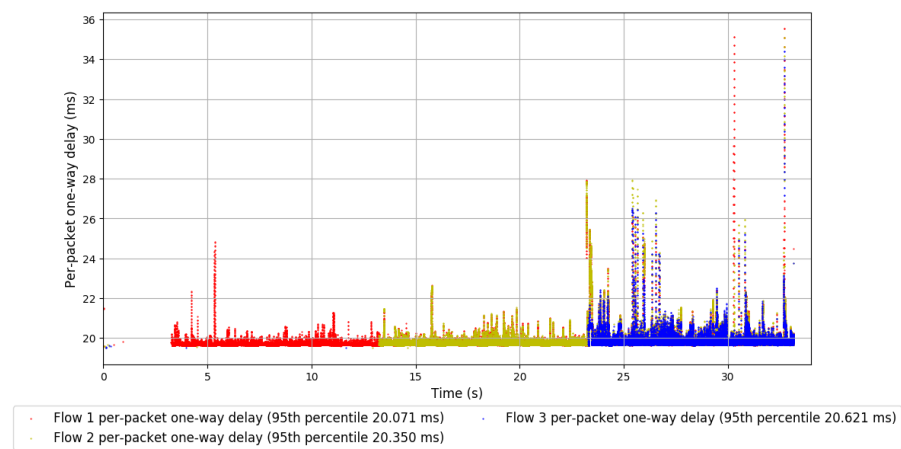
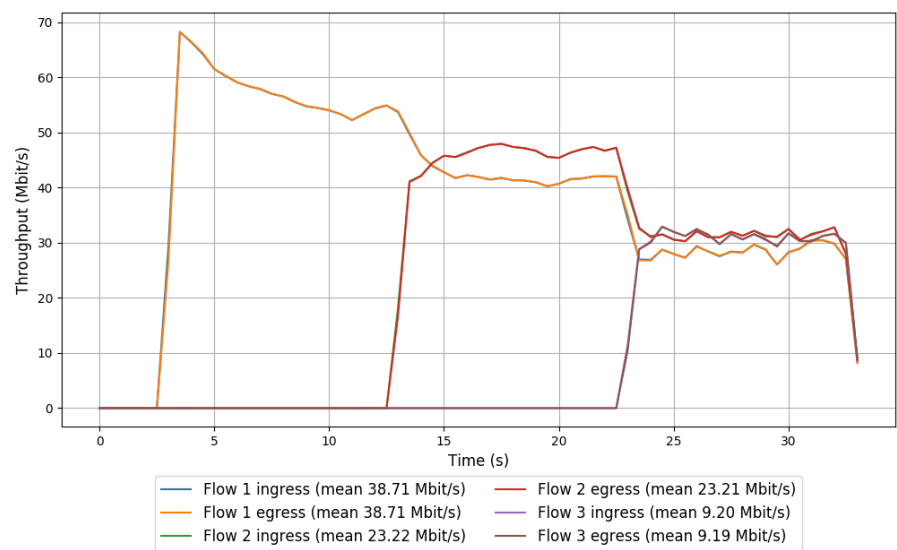
-- Flow 3:

Average throughput: 9.19 Mbit/s

95th percentile per-packet one-way delay: 20.621 ms

Loss rate: 0.25%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Tue, 04 Jul 2017 23:27:44 +0000

End at: Tue, 04 Jul 2017 23:28:14 +0000

Local clock offset: -1.706 ms

Remote clock offset: -14.047 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.80 Mbit/s

95th percentile per-packet one-way delay: 20.165 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 38.53 Mbit/s

95th percentile per-packet one-way delay: 20.007 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 22.86 Mbit/s

95th percentile per-packet one-way delay: 20.261 ms

Loss rate: 0.11%

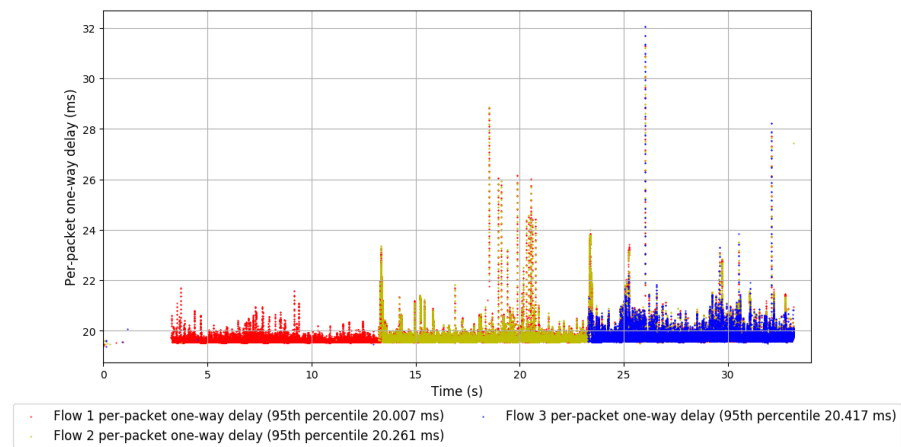
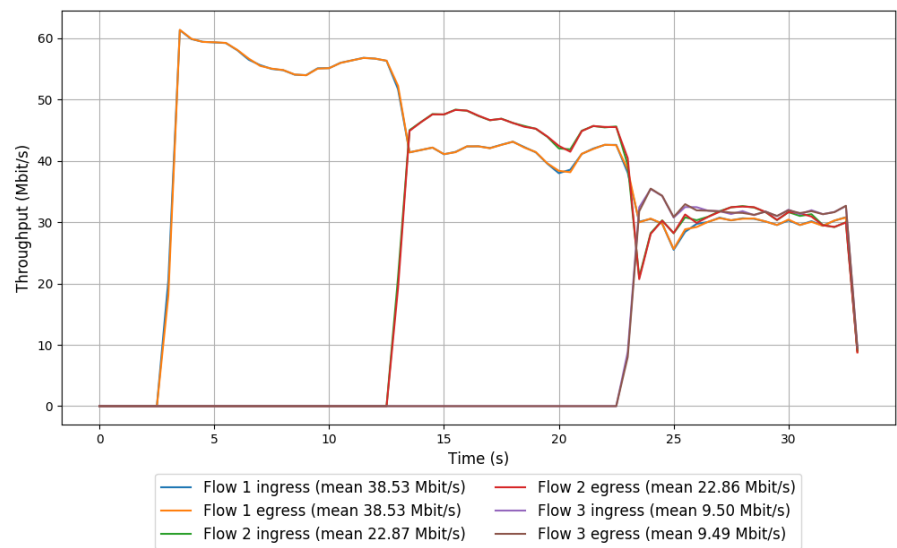
-- Flow 3:

Average throughput: 9.49 Mbit/s

95th percentile per-packet one-way delay: 20.417 ms

Loss rate: 0.25%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

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

End at: Tue, 04 Jul 2017 23:46:26 +0000

Local clock offset: 0.578 ms

Remote clock offset: -12.773 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:52:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.55 Mbit/s

95th percentile per-packet one-way delay: 19.630 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 38.65 Mbit/s

95th percentile per-packet one-way delay: 19.498 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 22.50 Mbit/s

95th percentile per-packet one-way delay: 19.652 ms

Loss rate: 0.13%

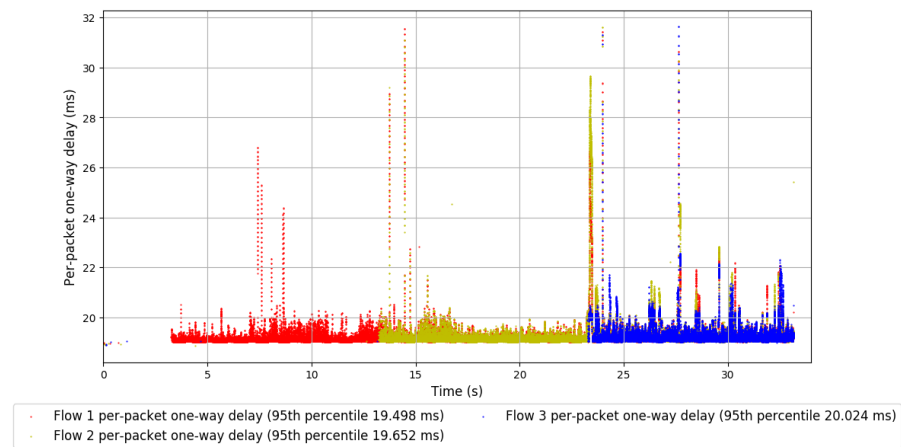
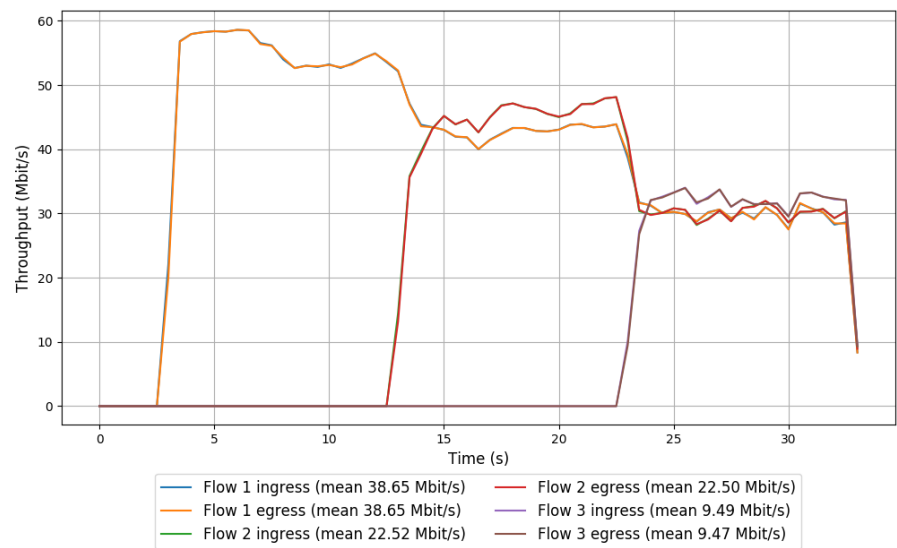
-- Flow 3:

Average throughput: 9.47 Mbit/s

95th percentile per-packet one-way delay: 20.024 ms

Loss rate: 0.26%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Wed, 05 Jul 2017 00:03:49 +0000

End at: Wed, 05 Jul 2017 00:04:19 +0000

Local clock offset: 2.437 ms

Remote clock offset: -13.986 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:52:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.28 Mbit/s

95th percentile per-packet one-way delay: 17.712 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 39.48 Mbit/s

95th percentile per-packet one-way delay: 17.464 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 22.43 Mbit/s

95th percentile per-packet one-way delay: 17.801 ms

Loss rate: 0.11%

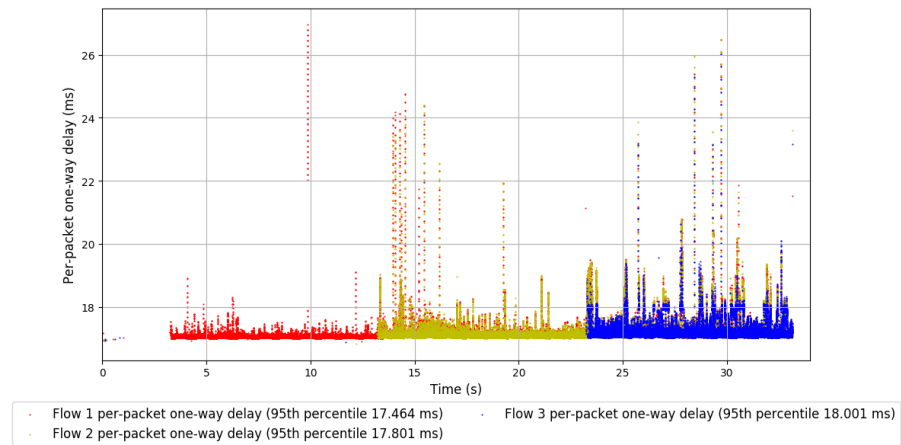
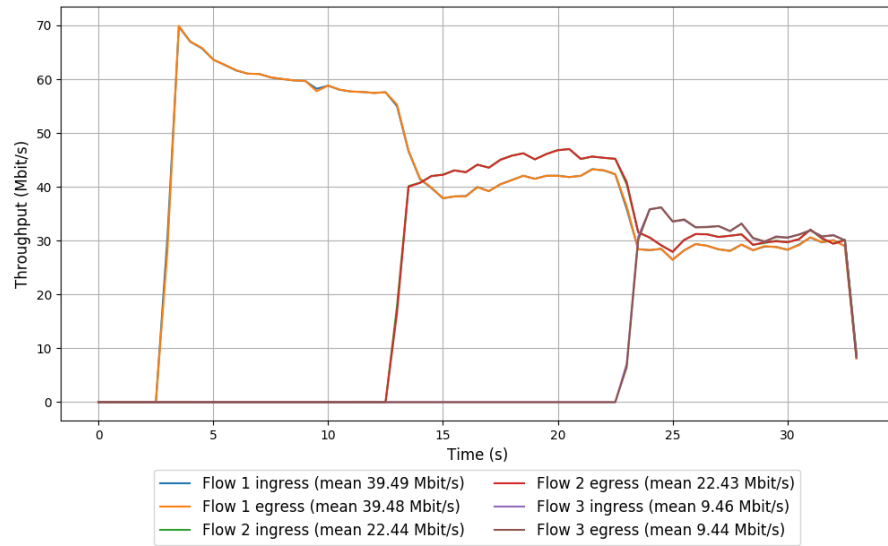
-- Flow 3:

Average throughput: 9.44 Mbit/s

95th percentile per-packet one-way delay: 18.001 ms

Loss rate: 0.25%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Wed, 05 Jul 2017 00:21:37 +0000

End at: Wed, 05 Jul 2017 00:22:07 +0000

Local clock offset: 0.321 ms

Remote clock offset: -11.093 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:52:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.04 Mbit/s

95th percentile per-packet one-way delay: 18.349 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 39.11 Mbit/s

95th percentile per-packet one-way delay: 18.065 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 22.79 Mbit/s

95th percentile per-packet one-way delay: 18.495 ms

Loss rate: 0.31%

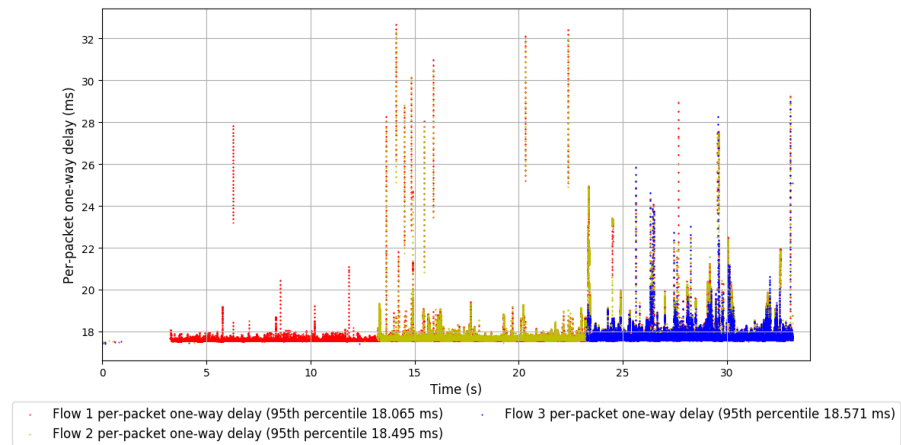
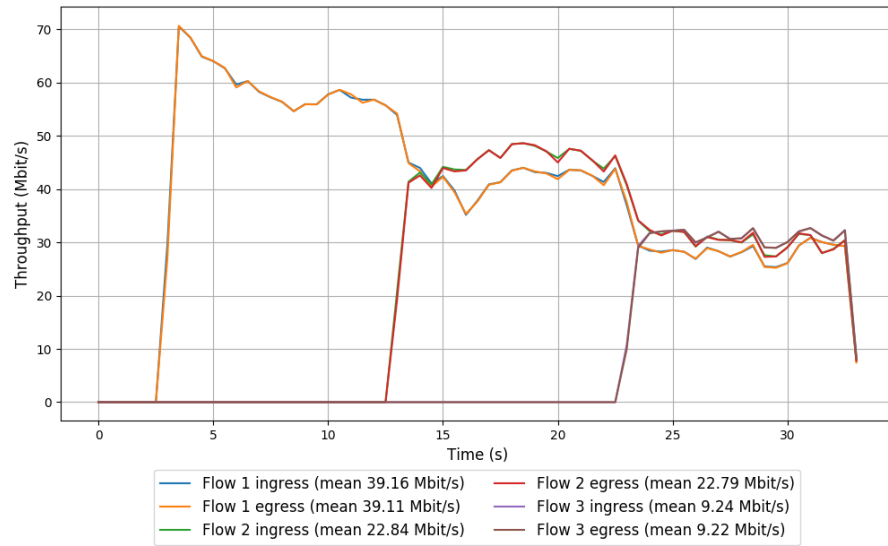
-- Flow 3:

Average throughput: 9.22 Mbit/s

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

Loss rate: 0.27%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Wed, 05 Jul 2017 00:39:33 +0000

End at: Wed, 05 Jul 2017 00:40:03 +0000

Local clock offset: 2.462 ms

Remote clock offset: -11.206 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:52:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.25 Mbit/s

95th percentile per-packet one-way delay: 18.993 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 38.88 Mbit/s

95th percentile per-packet one-way delay: 18.753 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 22.32 Mbit/s

95th percentile per-packet one-way delay: 19.075 ms

Loss rate: 0.13%

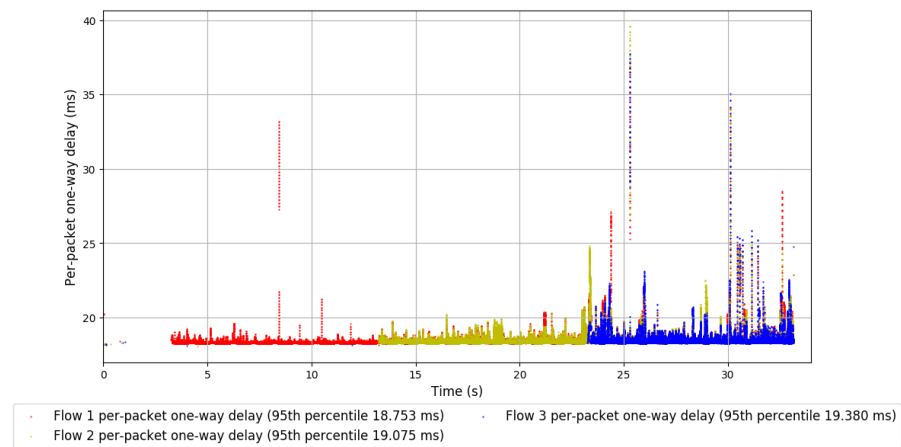
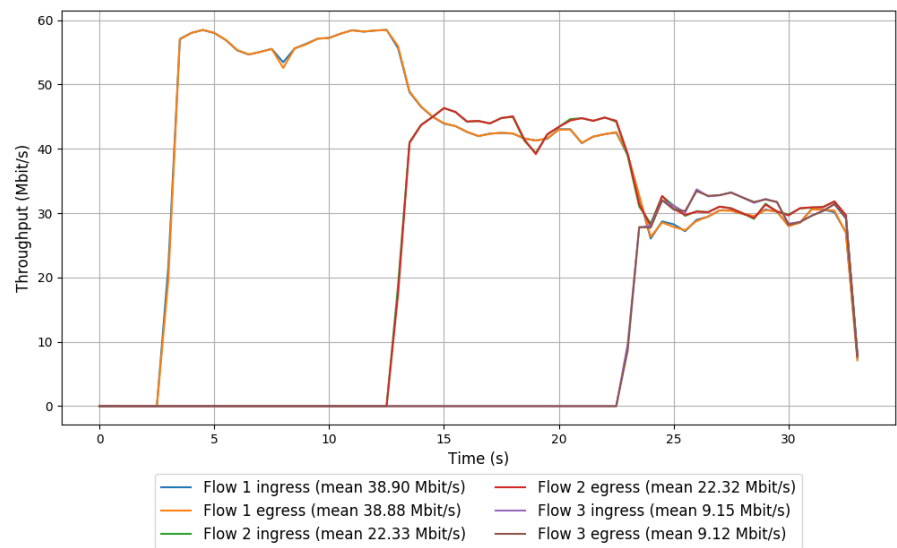
-- Flow 3:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 19.380 ms

Loss rate: 0.37%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

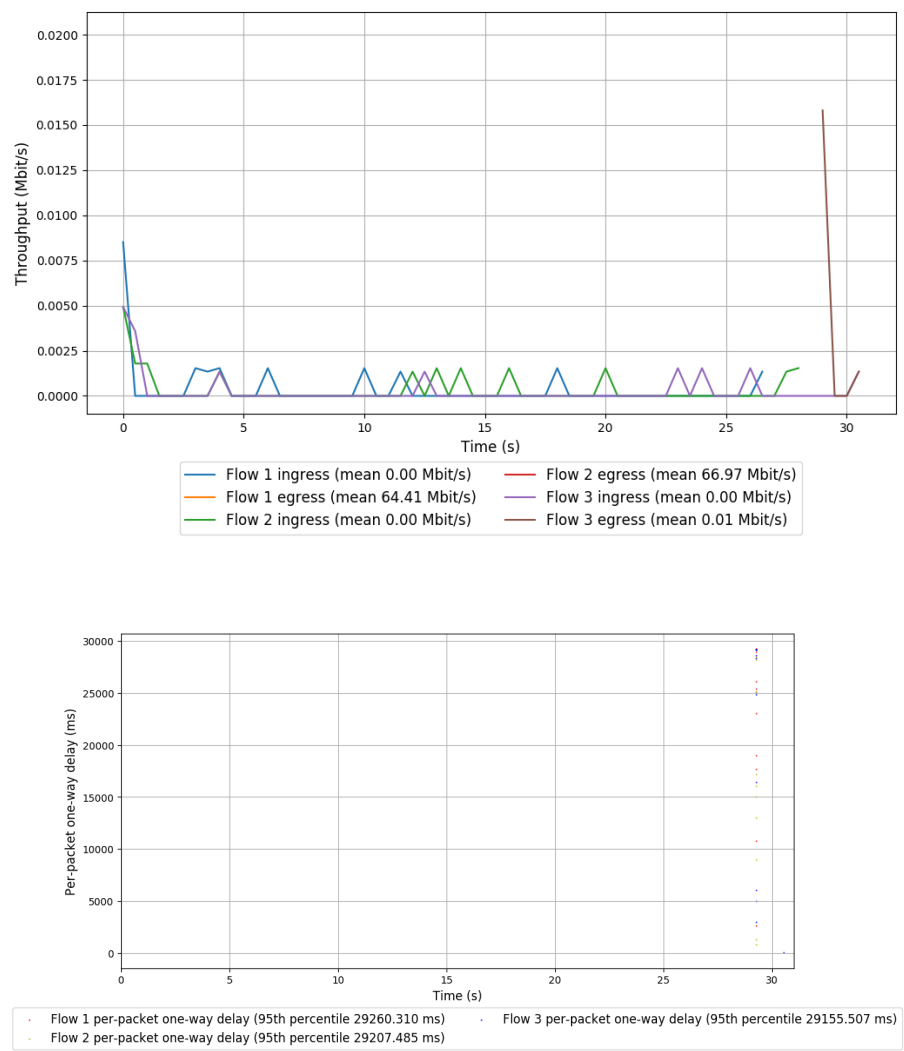
Start at: Tue, 04 Jul 2017 21:58:43 +0000

End at: Tue, 04 Jul 2017 21:59:13 +0000

Local clock offset: -0.179 ms

Remote clock offset: -15.976 ms

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:16:42 +0000

End at: Tue, 04 Jul 2017 22:17:12 +0000

Local clock offset: -1.933 ms

Remote clock offset: -14.883 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:52:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.04 Mbit/s

95th percentile per-packet one-way delay: 69.857 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 57.55 Mbit/s

95th percentile per-packet one-way delay: 48.042 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 21.11 Mbit/s

95th percentile per-packet one-way delay: 70.785 ms

Loss rate: 0.29%

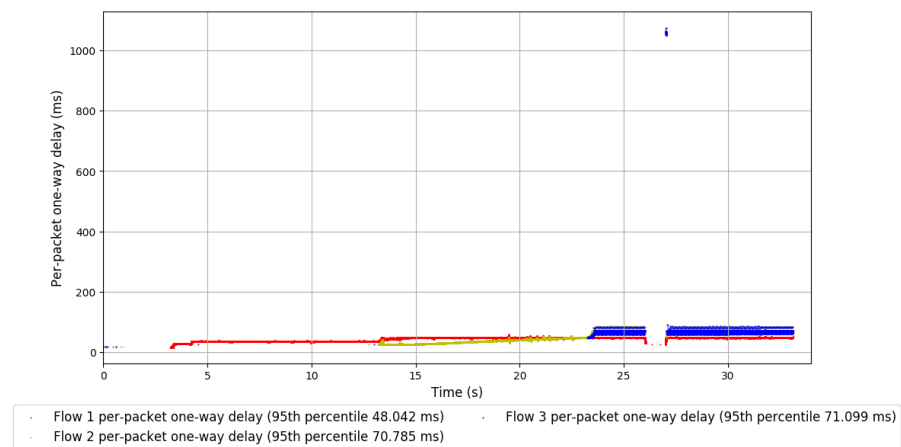
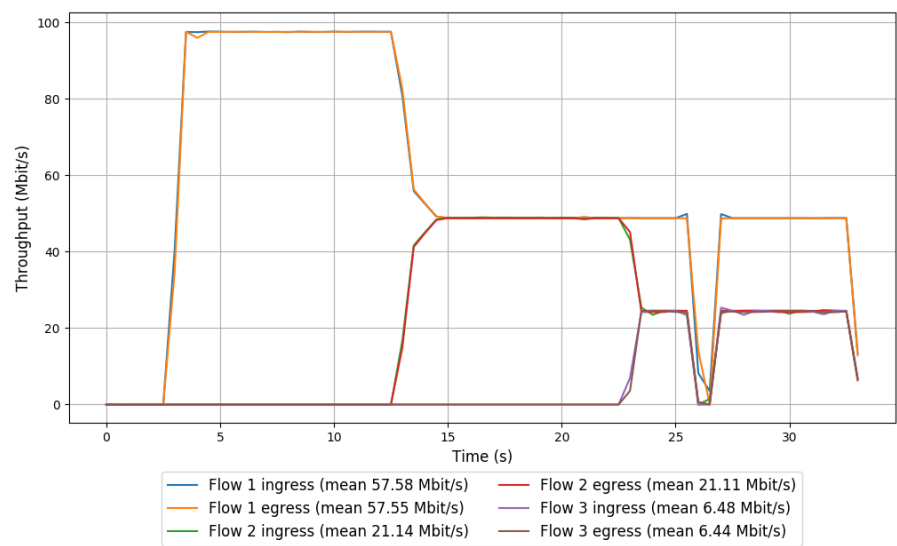
-- Flow 3:

Average throughput: 6.44 Mbit/s

95th percentile per-packet one-way delay: 71.099 ms

Loss rate: 0.78%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:34:39 +0000

End at: Tue, 04 Jul 2017 22:35:09 +0000

Local clock offset: -1.079 ms

Remote clock offset: -13.028 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:52:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 54.247 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 52.92 Mbit/s

95th percentile per-packet one-way delay: 52.999 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 23.57 Mbit/s

95th percentile per-packet one-way delay: 54.481 ms

Loss rate: 0.33%

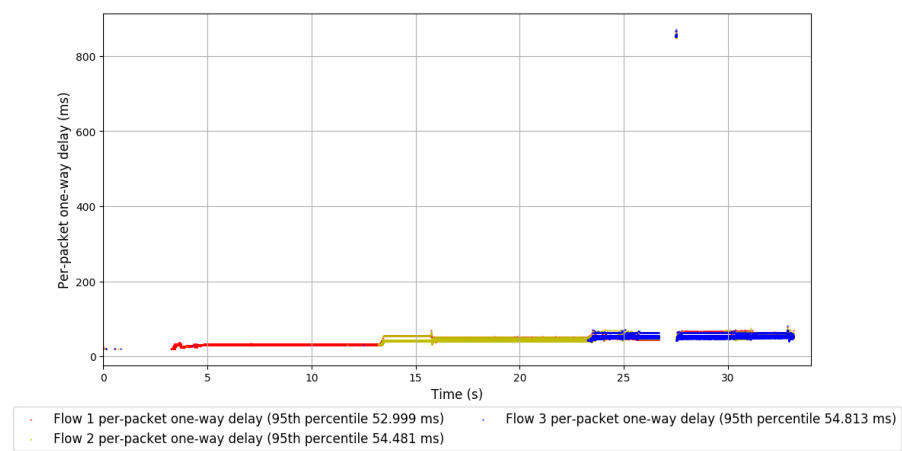
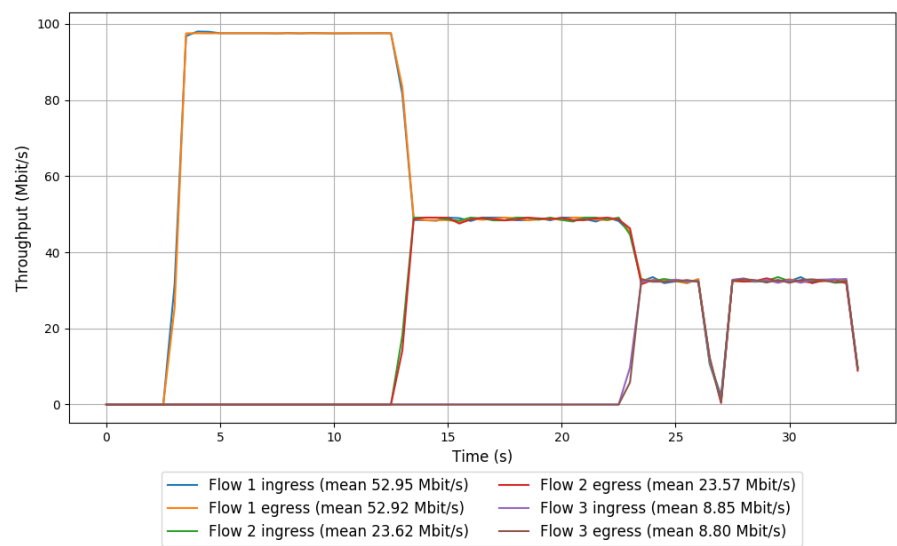
-- Flow 3:

Average throughput: 8.80 Mbit/s

95th percentile per-packet one-way delay: 54.813 ms

Loss rate: 0.76%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:52:45 +0000

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

Local clock offset: -1.494 ms

Remote clock offset: -12.255 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:52:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.02 Mbit/s

95th percentile per-packet one-way delay: 54.809 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 54.32 Mbit/s

95th percentile per-packet one-way delay: 54.654 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 22.61 Mbit/s

95th percentile per-packet one-way delay: 54.842 ms

Loss rate: 0.27%

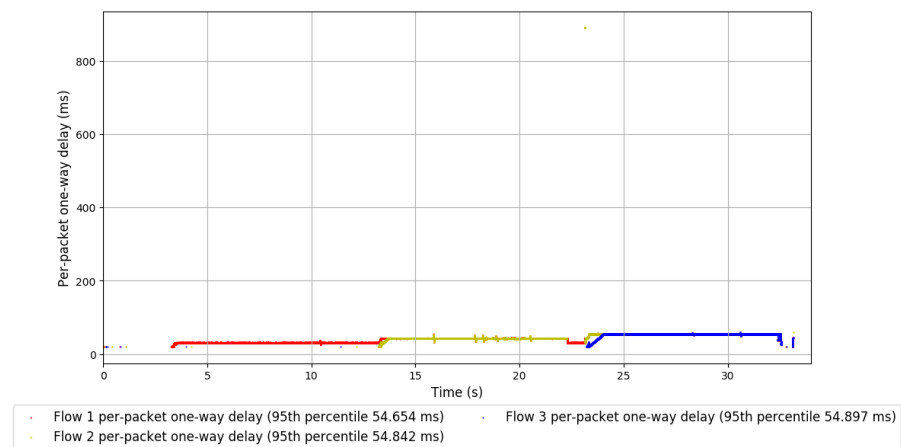
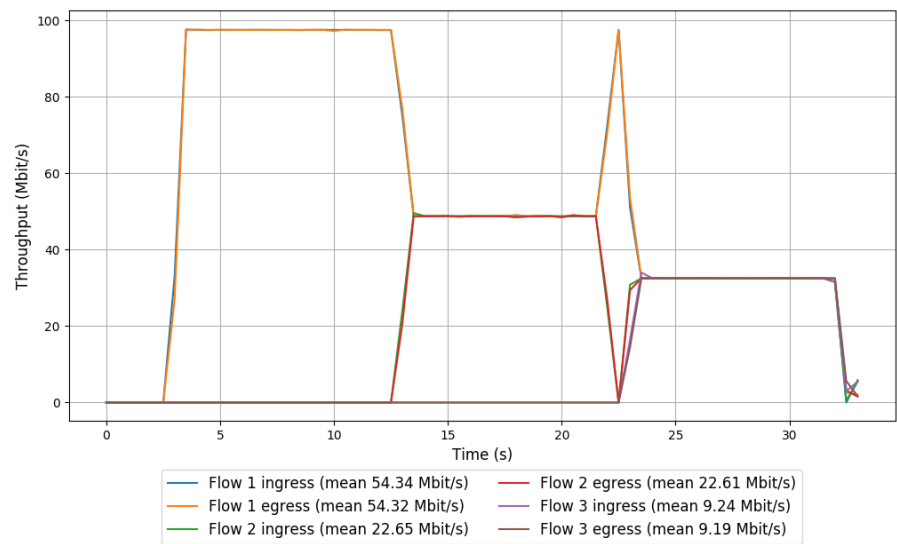
-- Flow 3:

Average throughput: 9.19 Mbit/s

95th percentile per-packet one-way delay: 54.897 ms

Loss rate: 0.62%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:10:54 +0000

End at: Tue, 04 Jul 2017 23:11:24 +0000

Local clock offset: 0.736 ms

Remote clock offset: -12.16 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:52:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.28 Mbit/s

95th percentile per-packet one-way delay: 55.120 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 53.56 Mbit/s

95th percentile per-packet one-way delay: 55.009 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 22.83 Mbit/s

95th percentile per-packet one-way delay: 55.162 ms

Loss rate: 0.26%

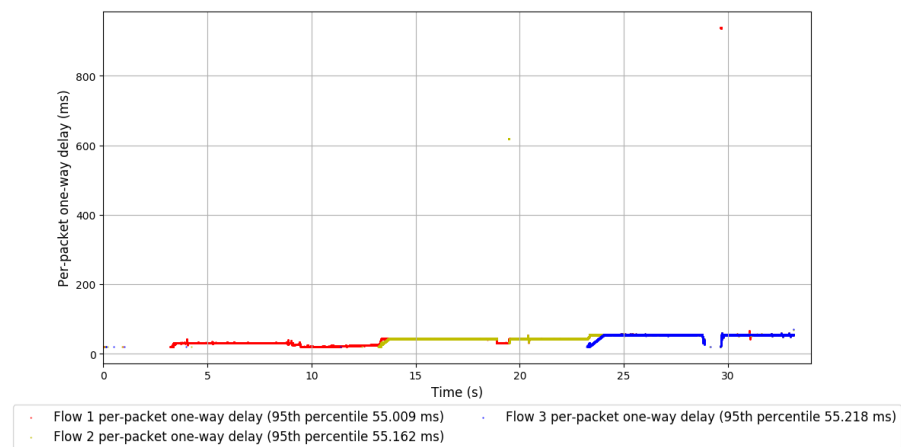
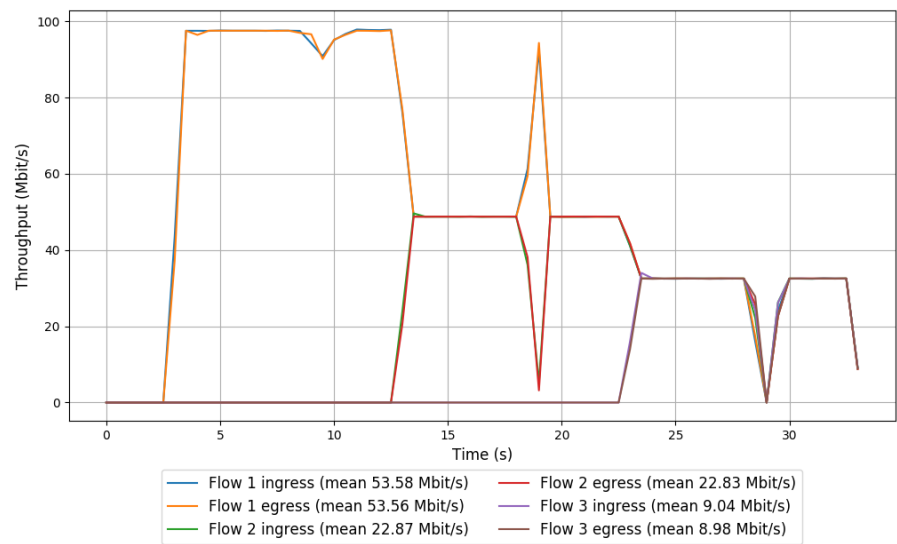
-- Flow 3:

Average throughput: 8.98 Mbit/s

95th percentile per-packet one-way delay: 55.218 ms

Loss rate: 0.65%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

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

End at: Tue, 04 Jul 2017 23:29:34 +0000

Local clock offset: -0.683 ms

Remote clock offset: -12.568 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:53:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.63 Mbit/s

95th percentile per-packet one-way delay: 66.276 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 51.85 Mbit/s

95th percentile per-packet one-way delay: 66.222 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 28.77 Mbit/s

95th percentile per-packet one-way delay: 43.531 ms

Loss rate: 0.20%

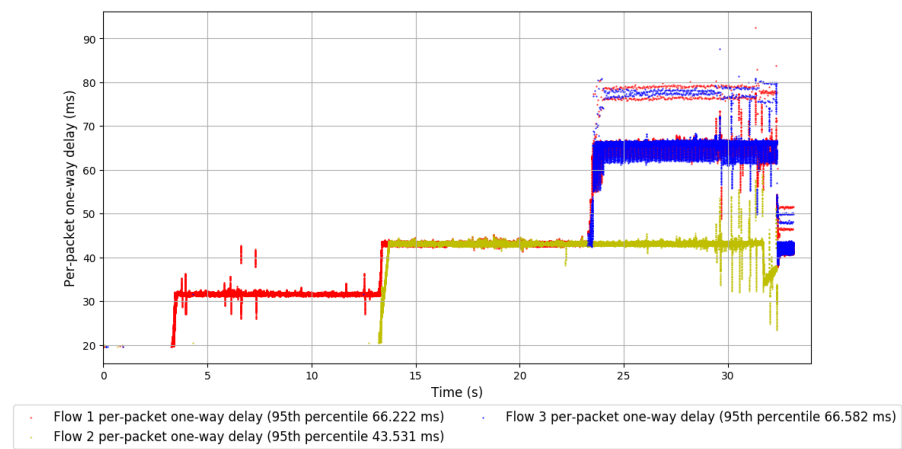
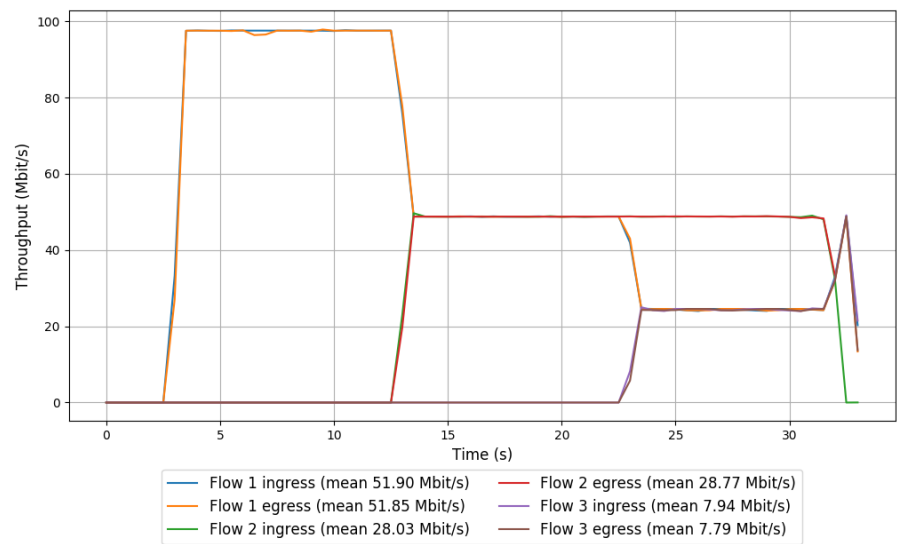
-- Flow 3:

Average throughput: 7.79 Mbit/s

95th percentile per-packet one-way delay: 66.582 ms

Loss rate: 2.27%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:47:12 +0000

End at: Tue, 04 Jul 2017 23:47:42 +0000

Local clock offset: 2.88 ms

Remote clock offset: -12.559 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:53:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.99 Mbit/s

95th percentile per-packet one-way delay: 65.691 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 48.60 Mbit/s

95th percentile per-packet one-way delay: 65.675 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 23.96 Mbit/s

95th percentile per-packet one-way delay: 65.777 ms

Loss rate: 0.34%

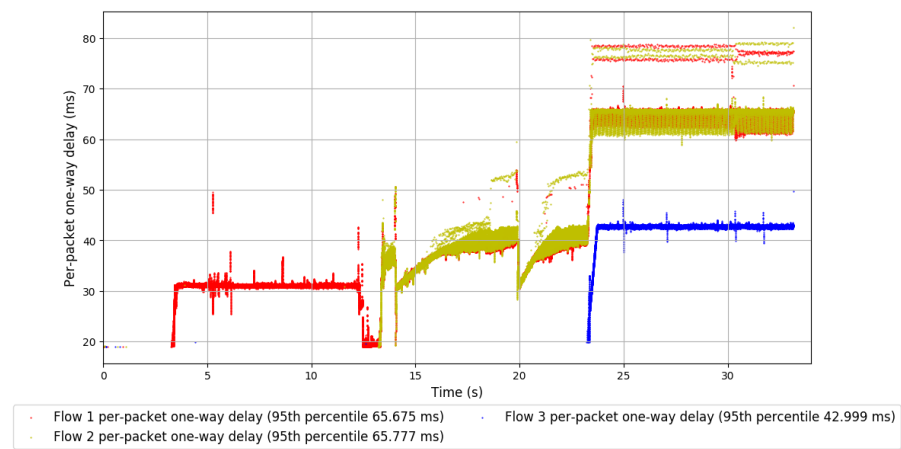
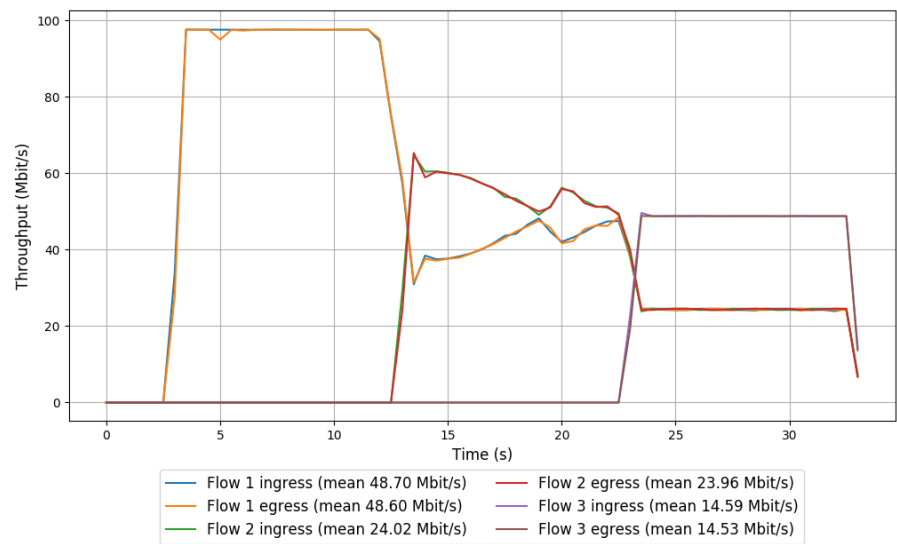
-- Flow 3:

Average throughput: 14.53 Mbit/s

95th percentile per-packet one-way delay: 42.999 ms

Loss rate: 0.49%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 00:05:03 +0000

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

Local clock offset: 1.043 ms

Remote clock offset: -13.97 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:53:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.77 Mbit/s

95th percentile per-packet one-way delay: 52.431 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 56.23 Mbit/s

95th percentile per-packet one-way delay: 52.186 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 26.92 Mbit/s

95th percentile per-packet one-way delay: 52.441 ms

Loss rate: 0.23%

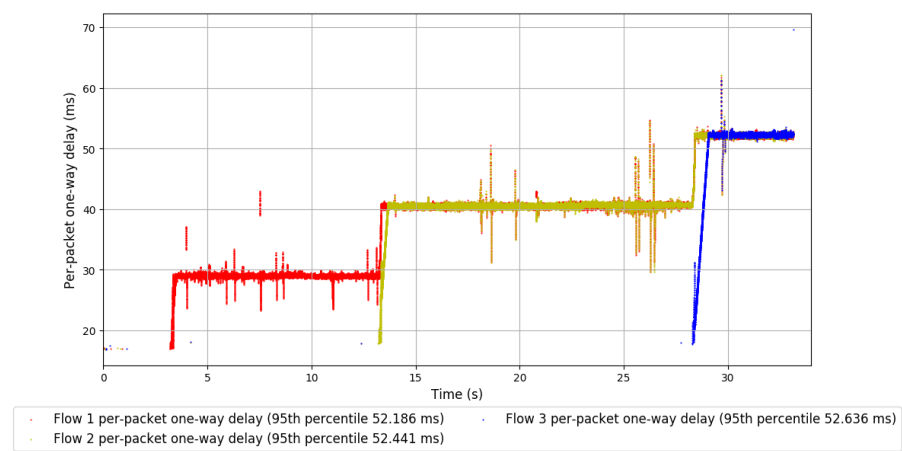
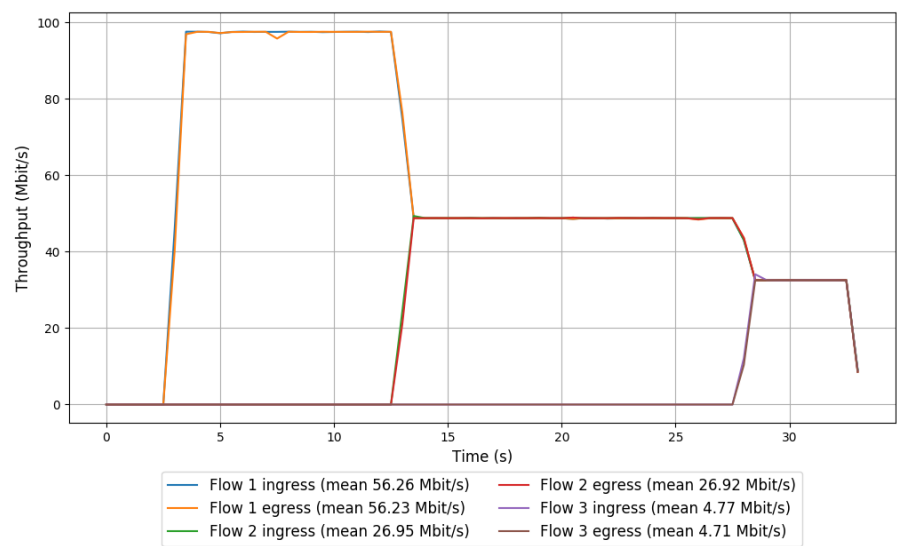
-- Flow 3:

Average throughput: 4.71 Mbit/s

95th percentile per-packet one-way delay: 52.636 ms

Loss rate: 1.22%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 00:22:55 +0000

End at: Wed, 05 Jul 2017 00:23:25 +0000

Local clock offset: 1.234 ms

Remote clock offset: -12.186 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:53:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 64.321 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 50.80 Mbit/s

95th percentile per-packet one-way delay: 64.283 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 21.26 Mbit/s

95th percentile per-packet one-way delay: 64.427 ms

Loss rate: 0.24%

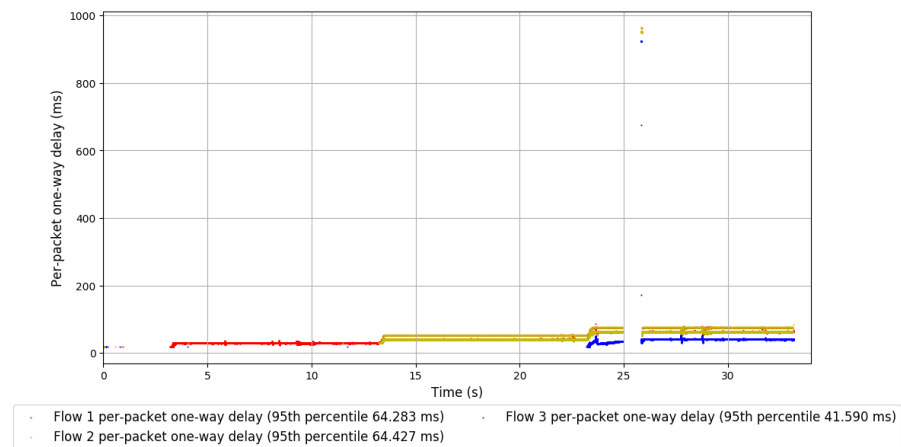
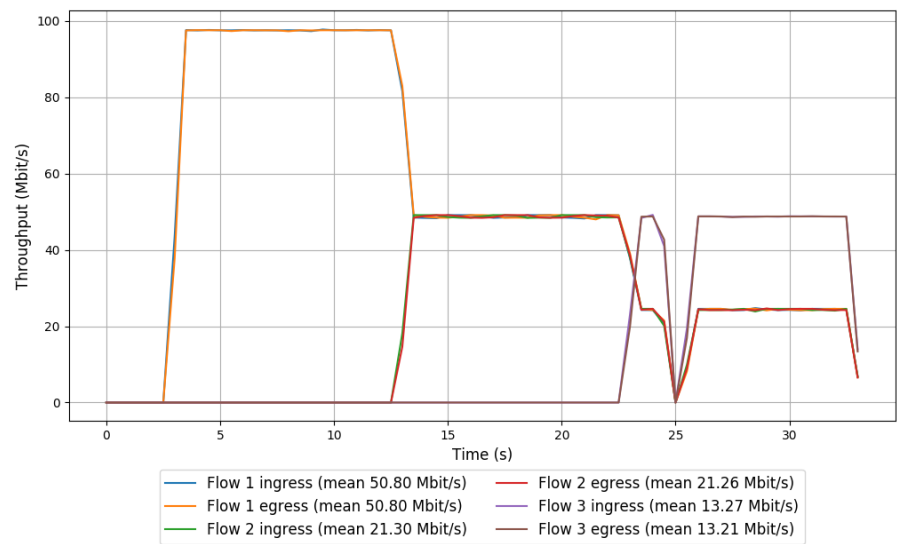
-- Flow 3:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 41.590 ms

Loss rate: 0.54%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 00:40:50 +0000

End at: Wed, 05 Jul 2017 00:41:20 +0000

Local clock offset: 2.772 ms

Remote clock offset: -12.707 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:53:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.22 Mbit/s

95th percentile per-packet one-way delay: 64.973 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 57.09 Mbit/s

95th percentile per-packet one-way delay: 42.230 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 21.55 Mbit/s

95th percentile per-packet one-way delay: 65.085 ms

Loss rate: 0.24%

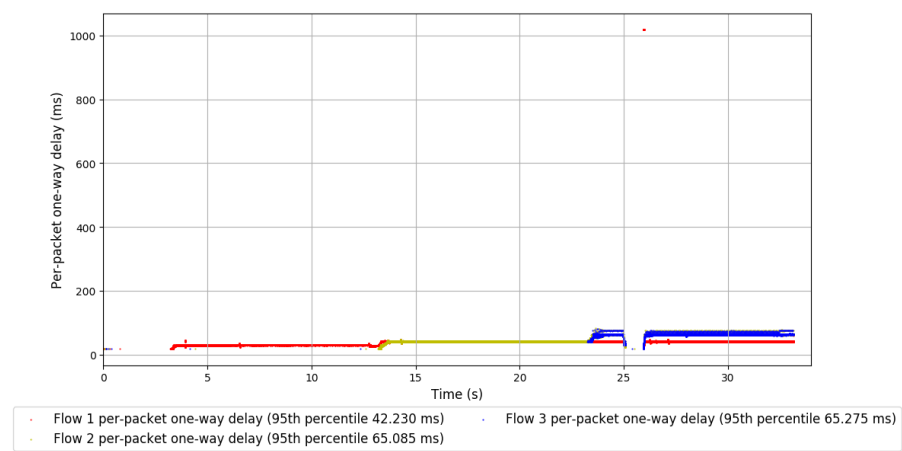
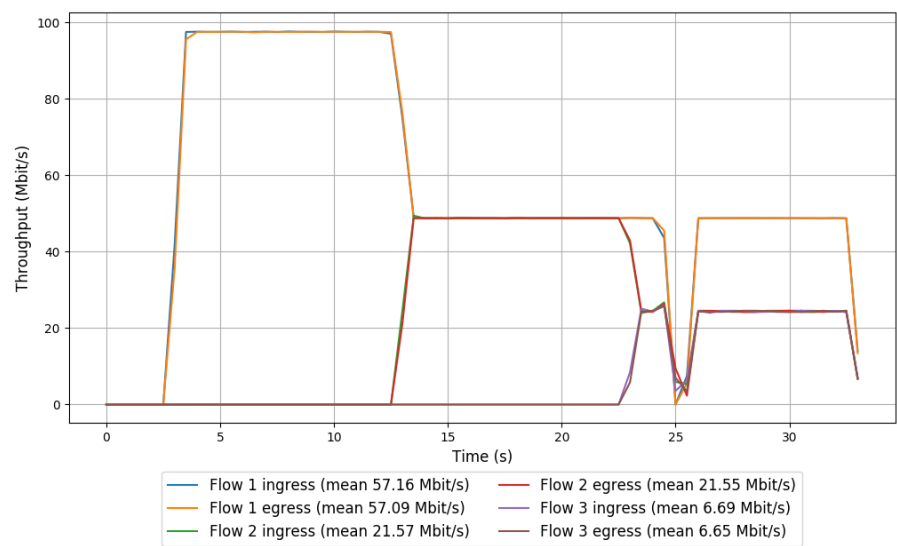
-- Flow 3:

Average throughput: 6.65 Mbit/s

95th percentile per-packet one-way delay: 65.275 ms

Loss rate: 0.78%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:48:43 +0000

End at: Tue, 04 Jul 2017 21:49:13 +0000

Local clock offset: -1.749 ms

Remote clock offset: -16.127 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:53:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.08 Mbit/s

95th percentile per-packet one-way delay: 28.508 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 33.11 Mbit/s

95th percentile per-packet one-way delay: 28.492 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 21.42 Mbit/s

95th percentile per-packet one-way delay: 28.481 ms

Loss rate: 0.16%

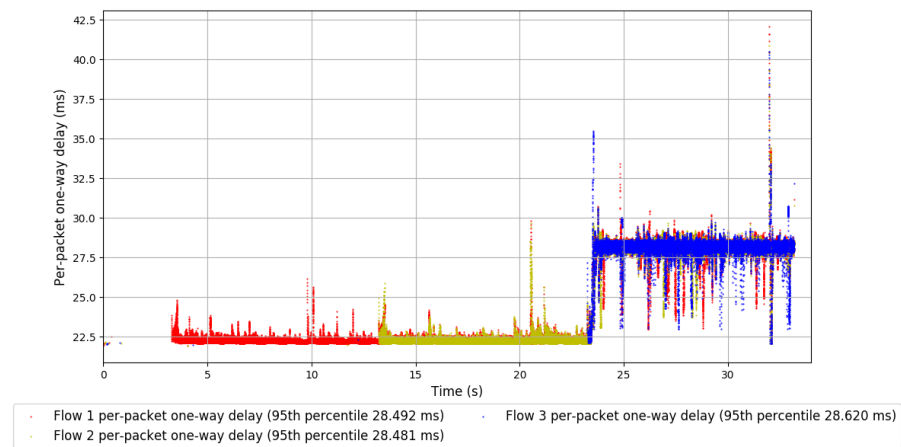
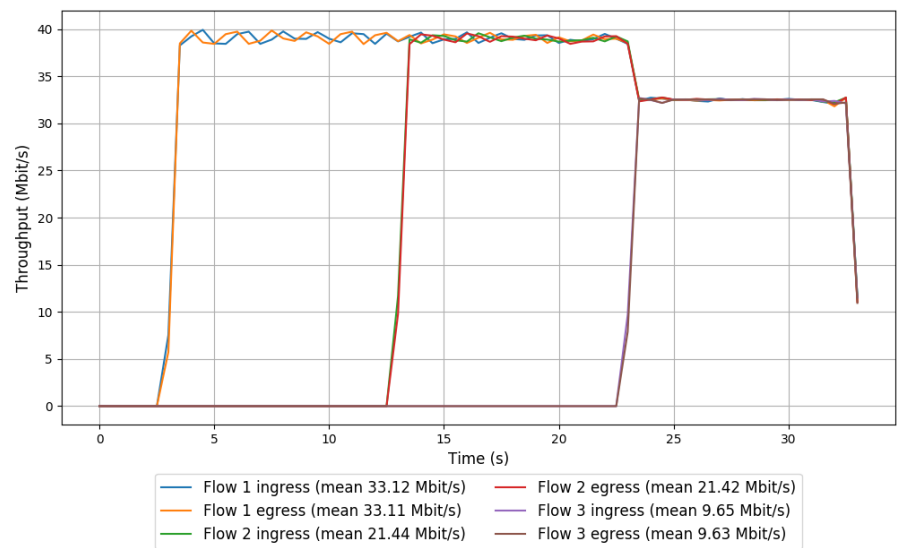
-- Flow 3:

Average throughput: 9.63 Mbit/s

95th percentile per-packet one-way delay: 28.620 ms

Loss rate: 0.37%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 22:07:01 +0000

End at: Tue, 04 Jul 2017 22:07:31 +0000

Local clock offset: -1.897 ms

Remote clock offset: -16.172 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:53:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.76 Mbit/s

95th percentile per-packet one-way delay: 25.173 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 35.49 Mbit/s

95th percentile per-packet one-way delay: 24.405 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 23.35 Mbit/s

95th percentile per-packet one-way delay: 26.771 ms

Loss rate: 0.17%

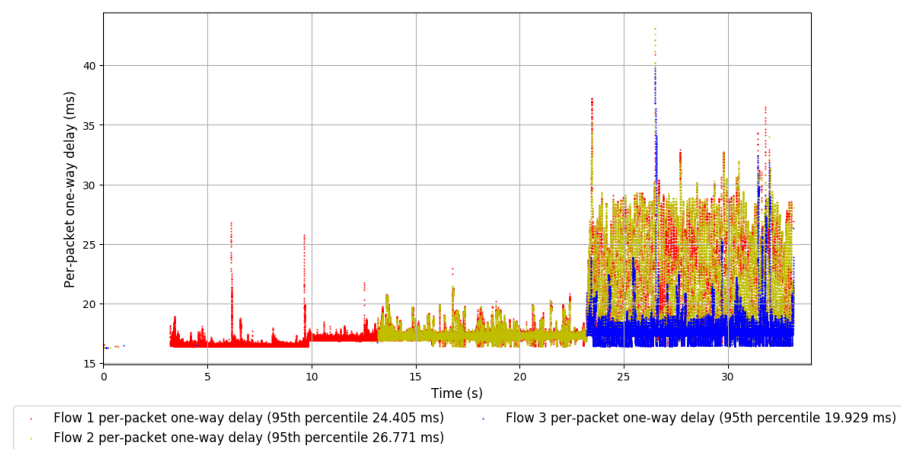
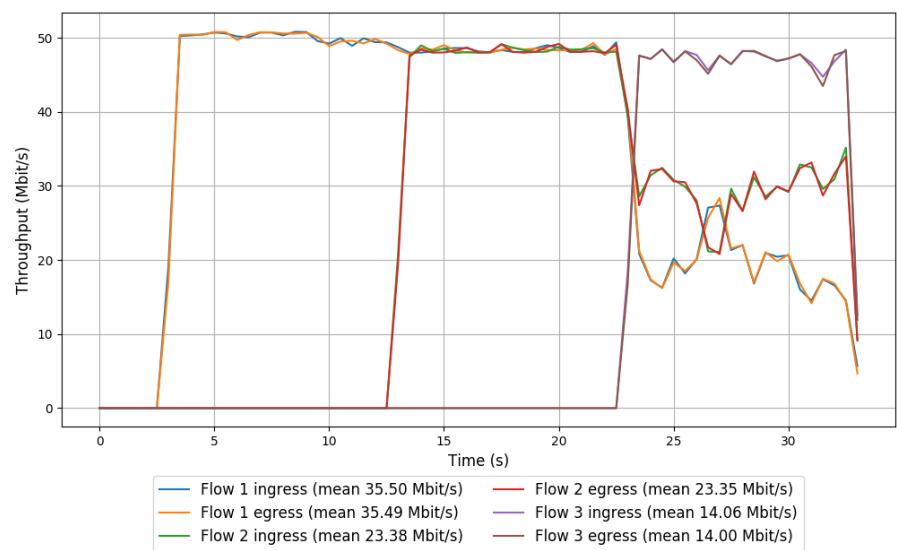
-- Flow 3:

Average throughput: 14.00 Mbit/s

95th percentile per-packet one-way delay: 19.929 ms

Loss rate: 0.49%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 22:25:03 +0000

End at: Tue, 04 Jul 2017 22:25:33 +0000

Local clock offset: 1.21 ms

Remote clock offset: -13.287 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:53:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.66 Mbit/s

95th percentile per-packet one-way delay: 28.159 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 42.40 Mbit/s

95th percentile per-packet one-way delay: 20.589 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 22.13 Mbit/s

95th percentile per-packet one-way delay: 29.601 ms

Loss rate: 0.07%

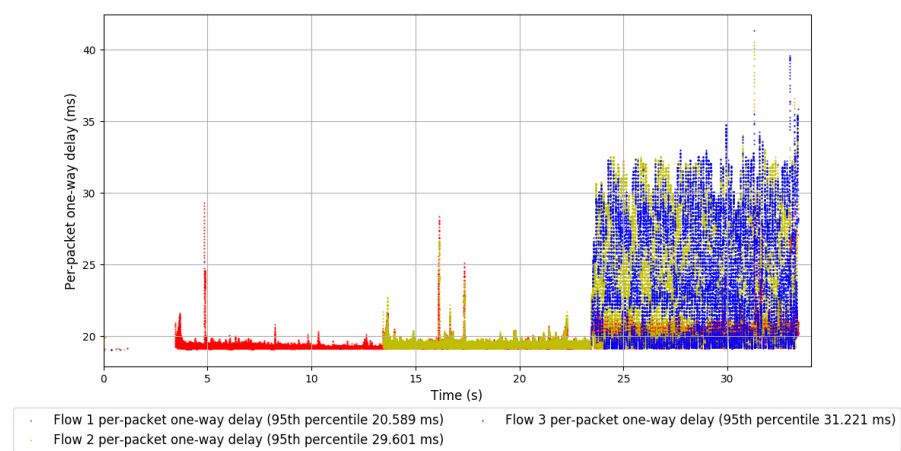
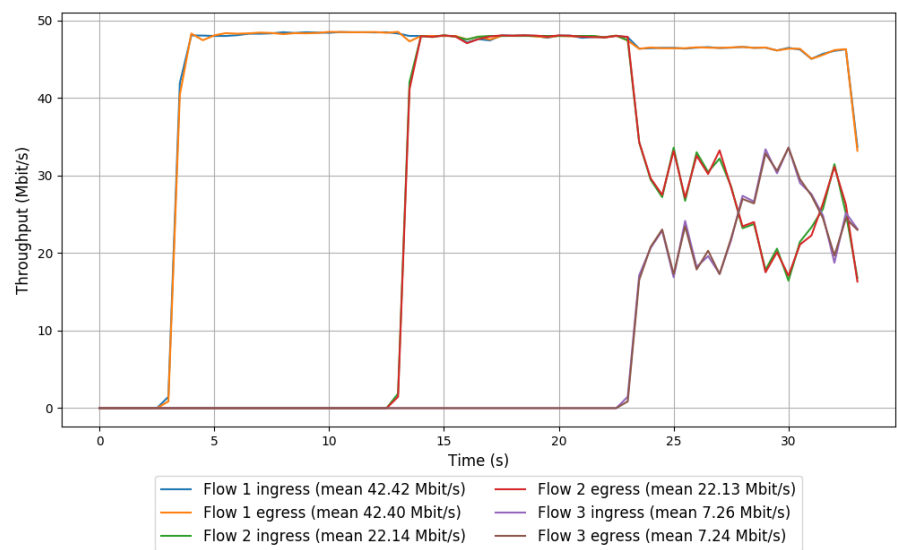
-- Flow 3:

Average throughput: 7.24 Mbit/s

95th percentile per-packet one-way delay: 31.221 ms

Loss rate: 0.32%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

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

End at: Tue, 04 Jul 2017 22:43:34 +0000

Local clock offset: 0.726 ms

Remote clock offset: -11.742 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:53:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.73 Mbit/s

95th percentile per-packet one-way delay: 30.096 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 38.35 Mbit/s

95th percentile per-packet one-way delay: 28.841 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 23.89 Mbit/s

95th percentile per-packet one-way delay: 29.870 ms

Loss rate: 0.16%

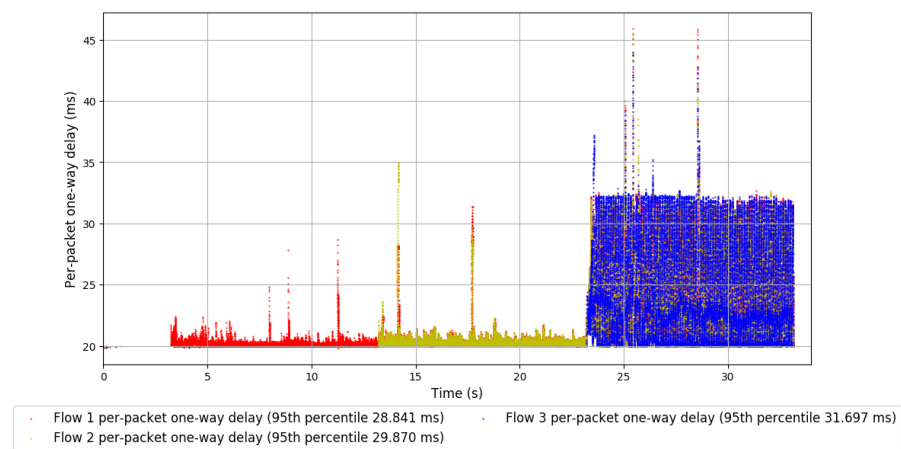
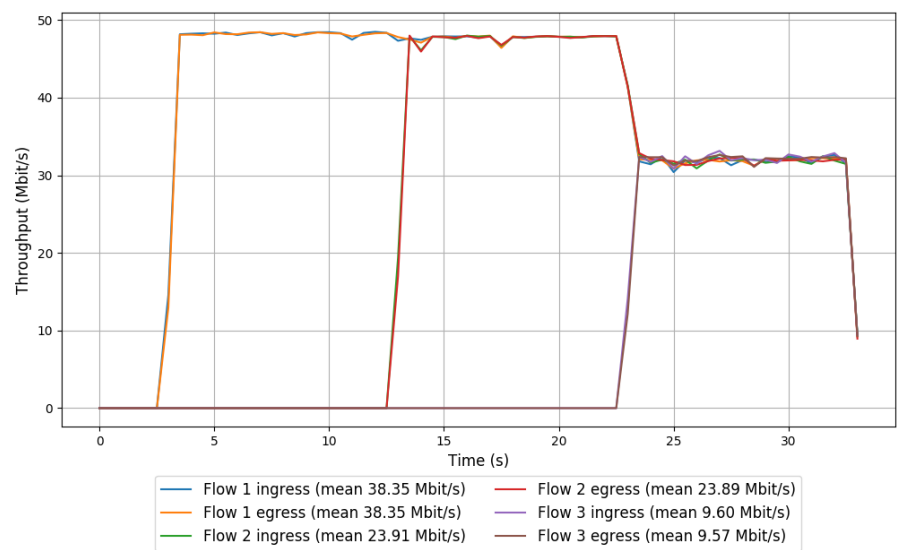
-- Flow 3:

Average throughput: 9.57 Mbit/s

95th percentile per-packet one-way delay: 31.697 ms

Loss rate: 0.31%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:01:15 +0000

End at: Tue, 04 Jul 2017 23:01:45 +0000

Local clock offset: 1.775 ms

Remote clock offset: -12.562 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:53:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.04 Mbit/s

95th percentile per-packet one-way delay: 28.188 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 42.64 Mbit/s

95th percentile per-packet one-way delay: 20.810 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 21.44 Mbit/s

95th percentile per-packet one-way delay: 29.171 ms

Loss rate: 0.11%

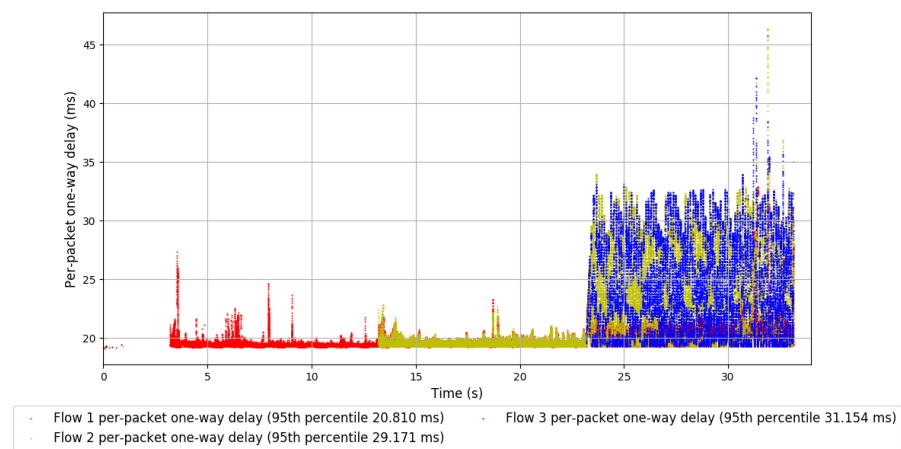
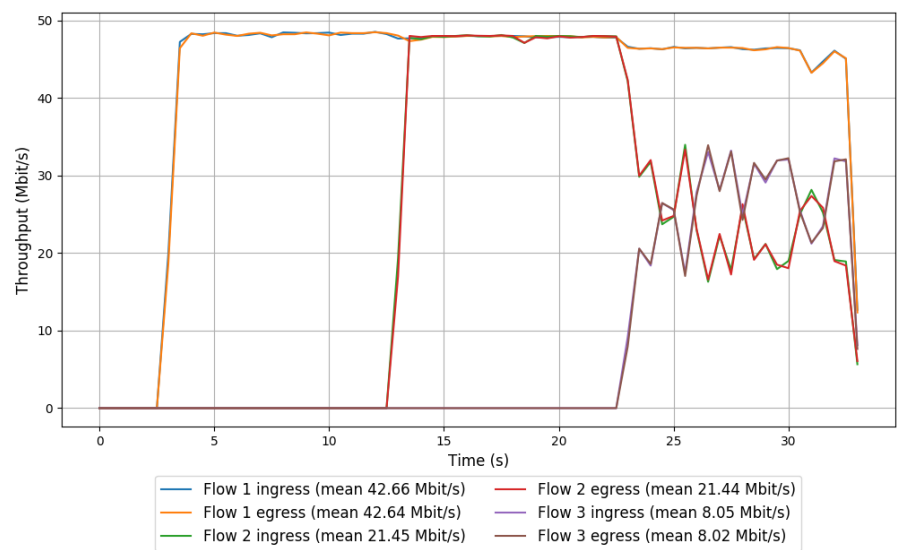
-- Flow 3:

Average throughput: 8.02 Mbit/s

95th percentile per-packet one-way delay: 31.154 ms

Loss rate: 0.39%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:19:24 +0000

End at: Tue, 04 Jul 2017 23:19:54 +0000

Local clock offset: -1.206 ms

Remote clock offset: -12.84 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.02 Mbit/s

95th percentile per-packet one-way delay: 28.005 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 36.77 Mbit/s

95th percentile per-packet one-way delay: 28.069 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 21.59 Mbit/s

95th percentile per-packet one-way delay: 29.033 ms

Loss rate: 0.09%

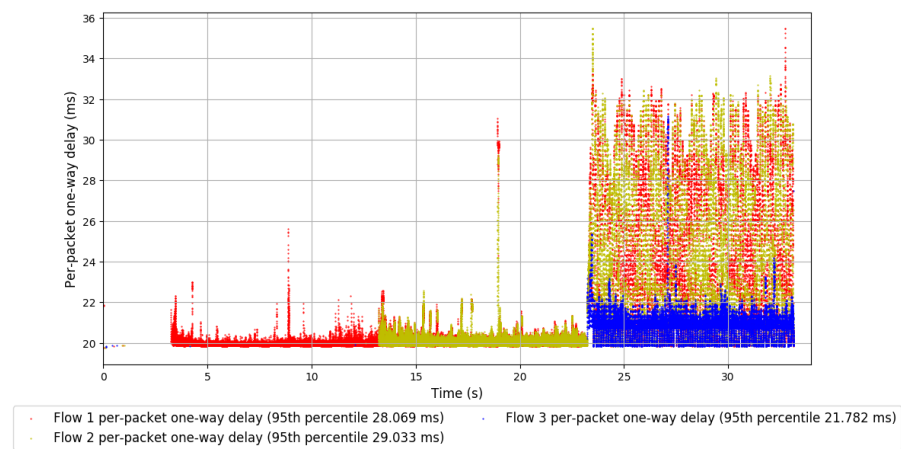
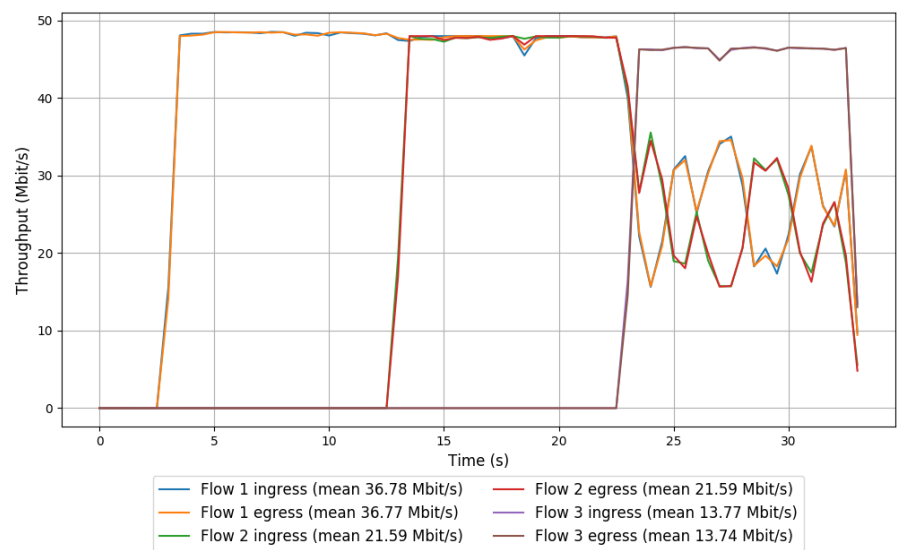
-- Flow 3:

Average throughput: 13.74 Mbit/s

95th percentile per-packet one-way delay: 21.782 ms

Loss rate: 0.26%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

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

End at: Tue, 04 Jul 2017 23:37:59 +0000

Local clock offset: 2.294 ms

Remote clock offset: -12.199 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:54:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.98 Mbit/s

95th percentile per-packet one-way delay: 27.912 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 37.79 Mbit/s

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

Loss rate: 0.09%

-- Flow 2:

Average throughput: 28.22 Mbit/s

95th percentile per-packet one-way delay: 21.278 ms

Loss rate: 0.13%

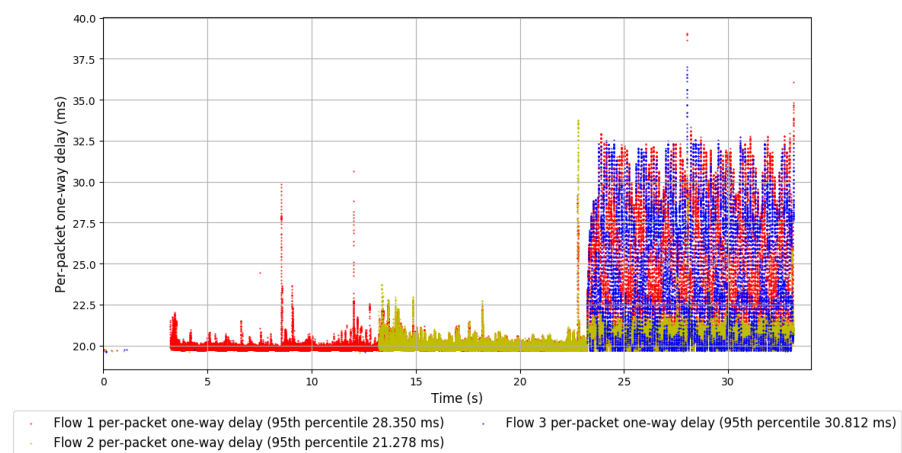
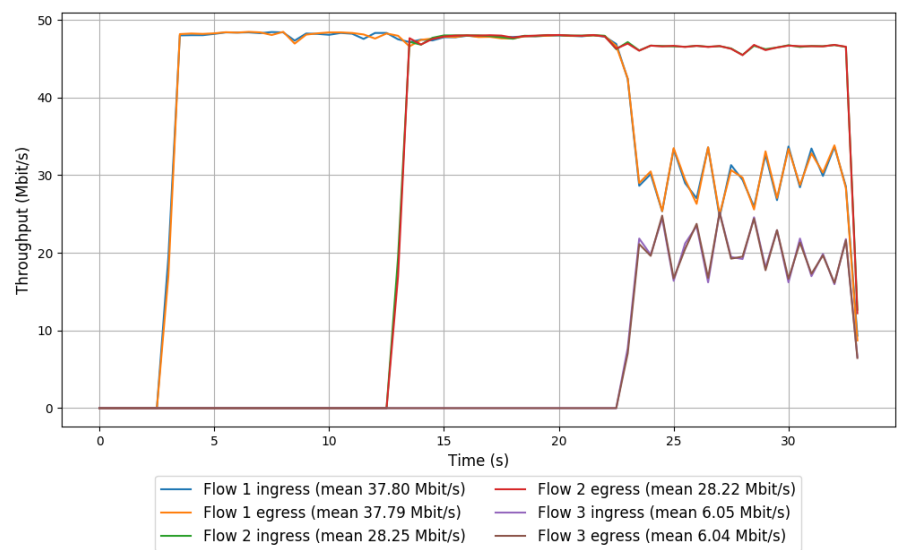
-- Flow 3:

Average throughput: 6.04 Mbit/s

95th percentile per-packet one-way delay: 30.812 ms

Loss rate: 0.31%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:55:30 +0000

End at: Tue, 04 Jul 2017 23:56:00 +0000

Local clock offset: -0.838 ms

Remote clock offset: -12.718 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:54:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.94 Mbit/s

95th percentile per-packet one-way delay: 26.139 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 43.82 Mbit/s

95th percentile per-packet one-way delay: 19.682 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 22.28 Mbit/s

95th percentile per-packet one-way delay: 27.329 ms

Loss rate: 0.09%

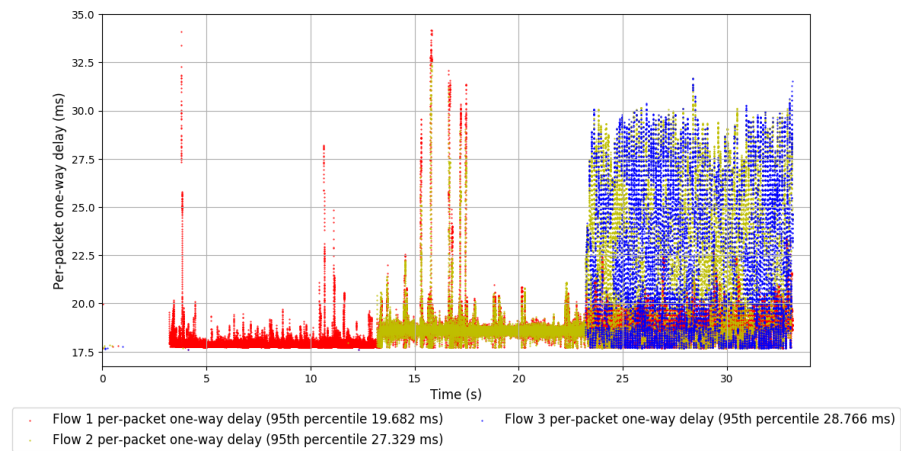
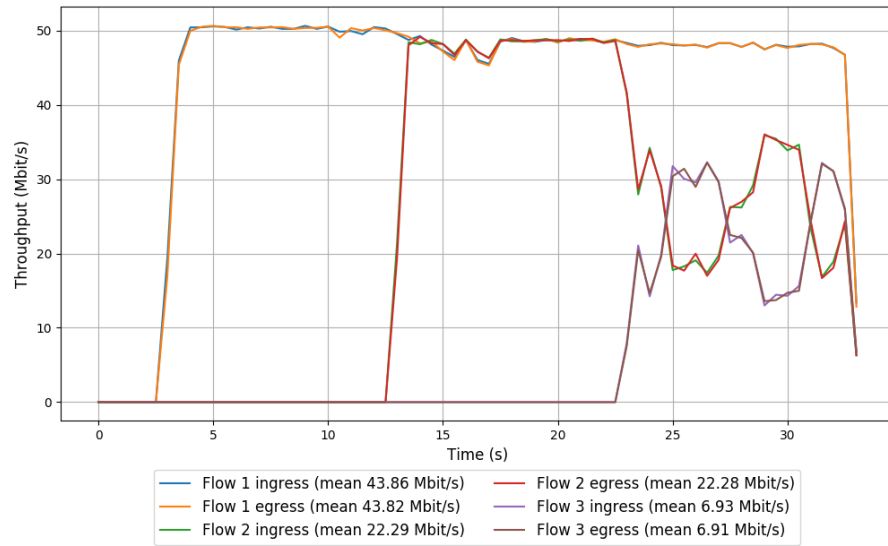
-- Flow 3:

Average throughput: 6.91 Mbit/s

95th percentile per-packet one-way delay: 28.766 ms

Loss rate: 0.24%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

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

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

Local clock offset: 2.459 ms

Remote clock offset: -14.57 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:54:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.10 Mbit/s

95th percentile per-packet one-way delay: 26.044 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 37.84 Mbit/s

95th percentile per-packet one-way delay: 26.397 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 29.03 Mbit/s

95th percentile per-packet one-way delay: 19.247 ms

Loss rate: 0.12%

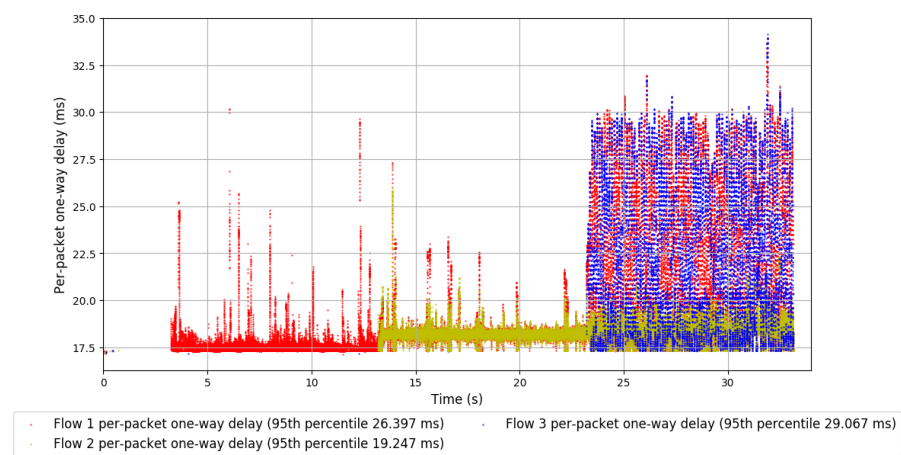
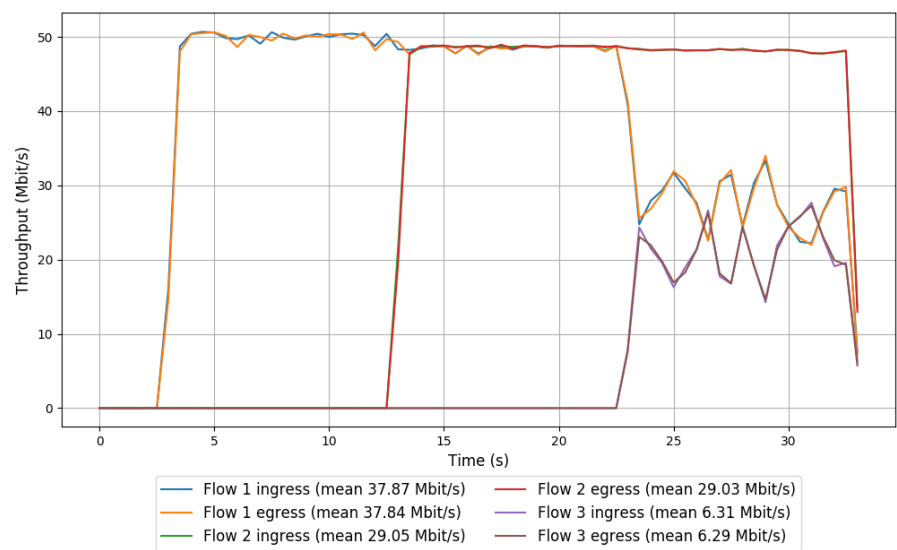
-- Flow 3:

Average throughput: 6.29 Mbit/s

95th percentile per-packet one-way delay: 29.067 ms

Loss rate: 0.32%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 00:31:10 +0000

End at: Wed, 05 Jul 2017 00:31:40 +0000

Local clock offset: 1.298 ms

Remote clock offset: -12.658 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:54:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.93 Mbit/s

95th percentile per-packet one-way delay: 27.365 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 37.58 Mbit/s

95th percentile per-packet one-way delay: 27.588 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 21.10 Mbit/s

95th percentile per-packet one-way delay: 28.587 ms

Loss rate: 0.24%

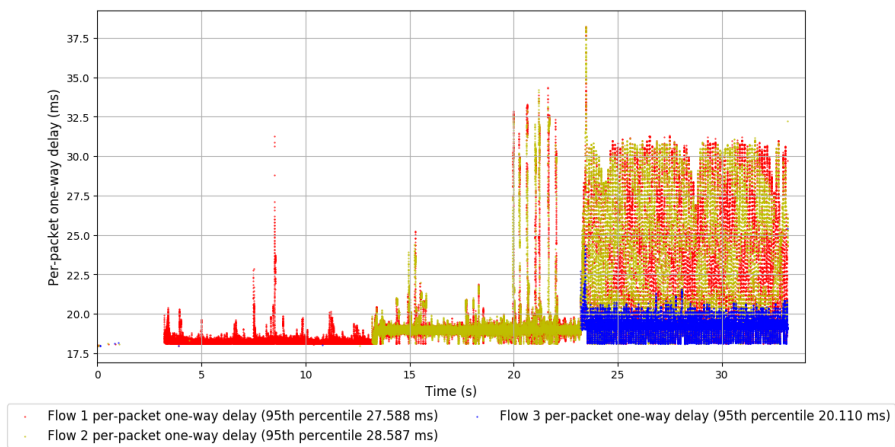
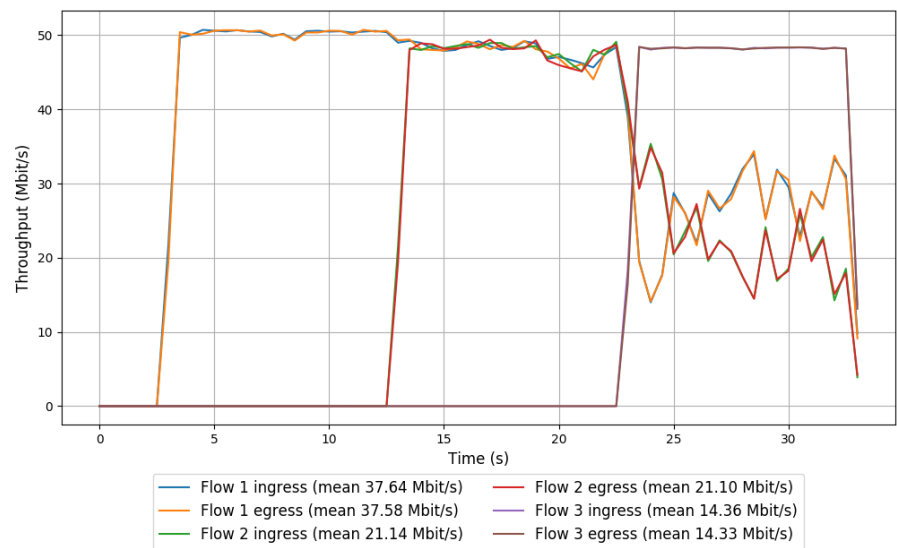
-- Flow 3:

Average throughput: 14.33 Mbit/s

95th percentile per-packet one-way delay: 20.110 ms

Loss rate: 0.25%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:59:47 +0000

End at: Tue, 04 Jul 2017 22:00:17 +0000

Local clock offset: 1.347 ms

Remote clock offset: -15.6 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:54:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.82 Mbit/s

95th percentile per-packet one-way delay: 50.295 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 49.20 Mbit/s

95th percentile per-packet one-way delay: 50.087 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 21.38 Mbit/s

95th percentile per-packet one-way delay: 50.350 ms

Loss rate: 0.33%

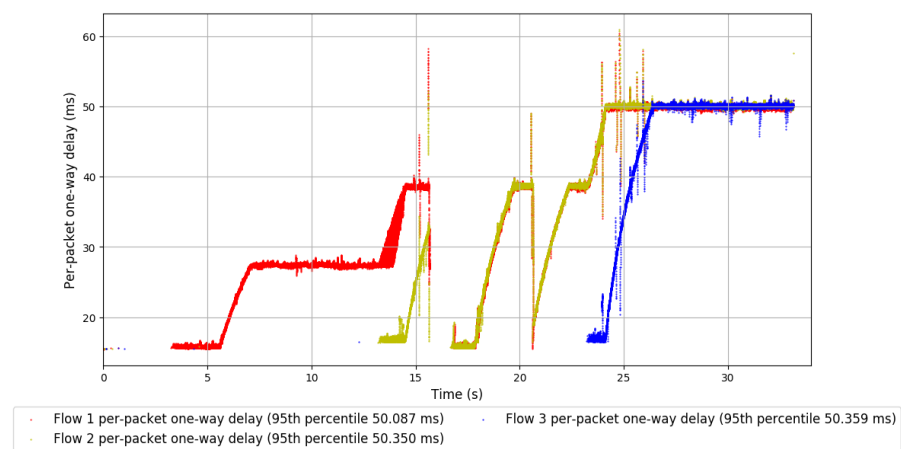
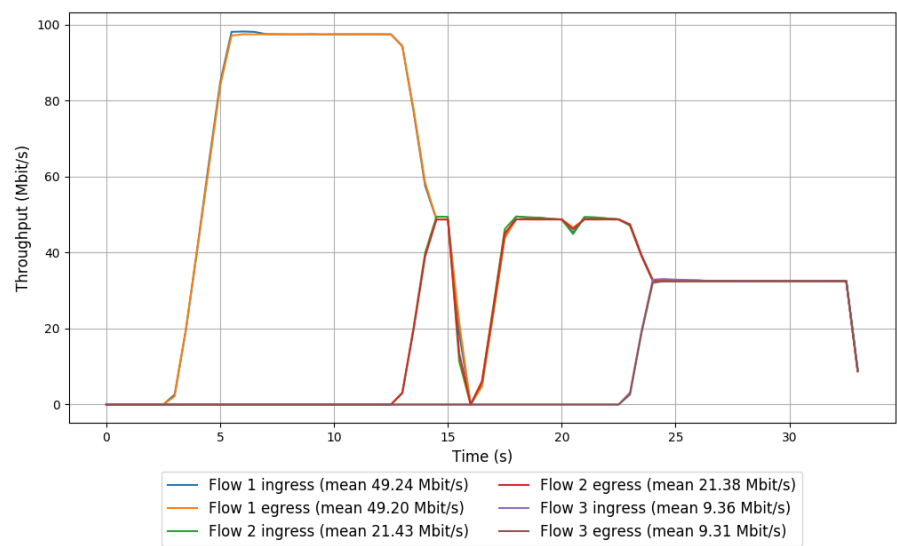
-- Flow 3:

Average throughput: 9.31 Mbit/s

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

Loss rate: 0.60%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:17:55 +0000

End at: Tue, 04 Jul 2017 22:18:25 +0000

Local clock offset: -0.061 ms

Remote clock offset: -13.614 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:54:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.57 Mbit/s

95th percentile per-packet one-way delay: 63.777 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 35.43 Mbit/s

95th percentile per-packet one-way delay: 63.869 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 27.62 Mbit/s

95th percentile per-packet one-way delay: 47.743 ms

Loss rate: 0.29%

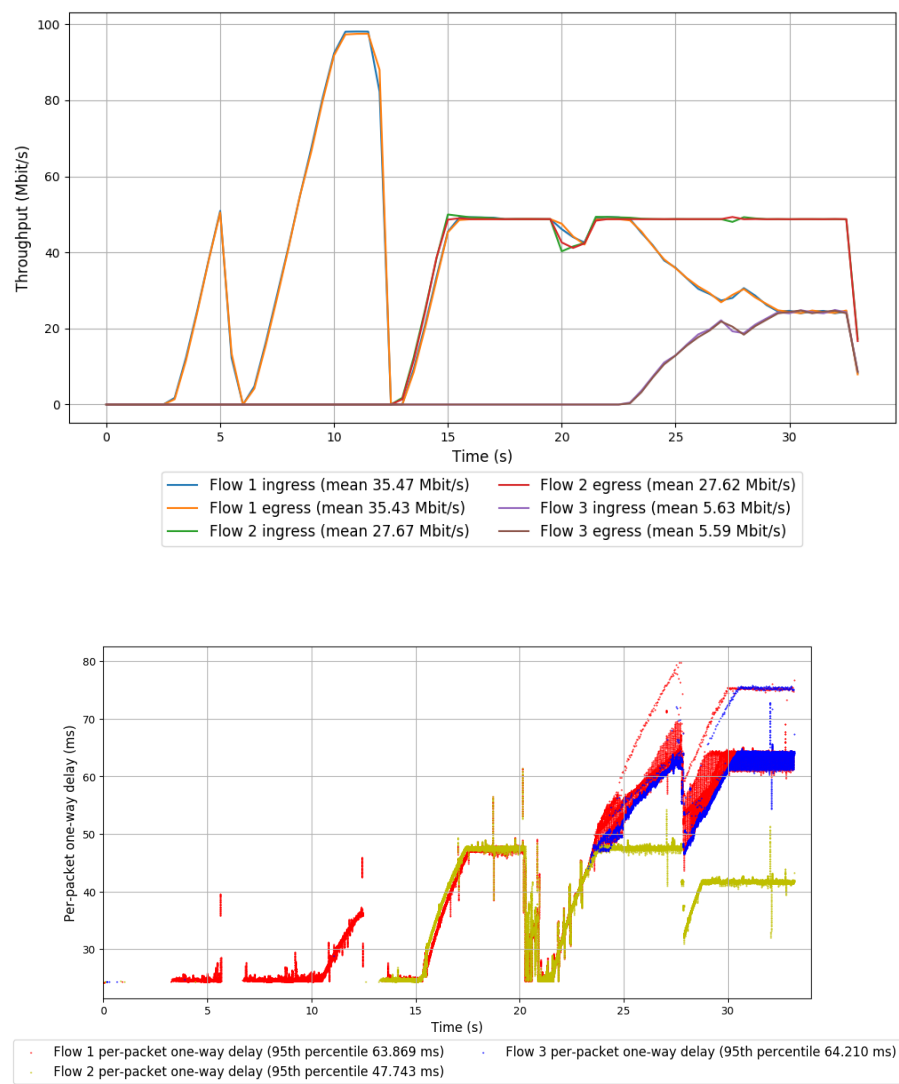
-- Flow 3:

Average throughput: 5.59 Mbit/s

95th percentile per-packet one-way delay: 64.210 ms

Loss rate: 0.93%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:35:52 +0000

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

Local clock offset: 1.723 ms

Remote clock offset: -12.715 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:54:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.32 Mbit/s

95th percentile per-packet one-way delay: 54.418 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 48.46 Mbit/s

95th percentile per-packet one-way delay: 54.365 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 23.66 Mbit/s

95th percentile per-packet one-way delay: 54.445 ms

Loss rate: 0.28%

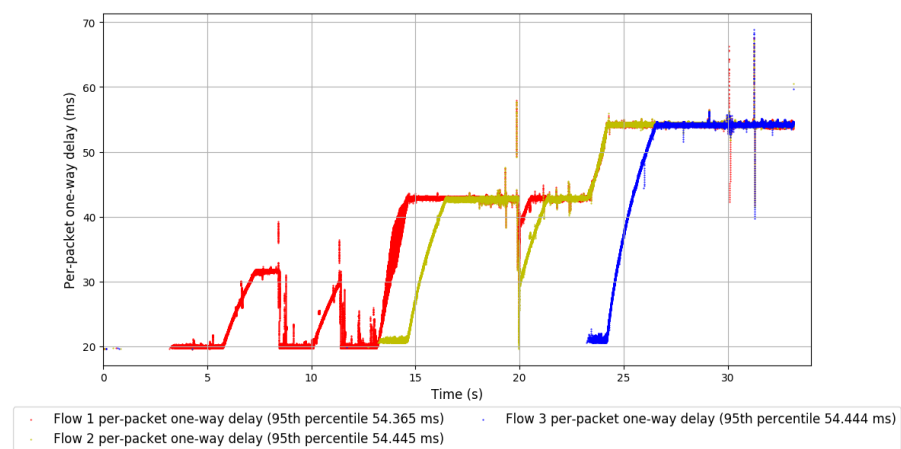
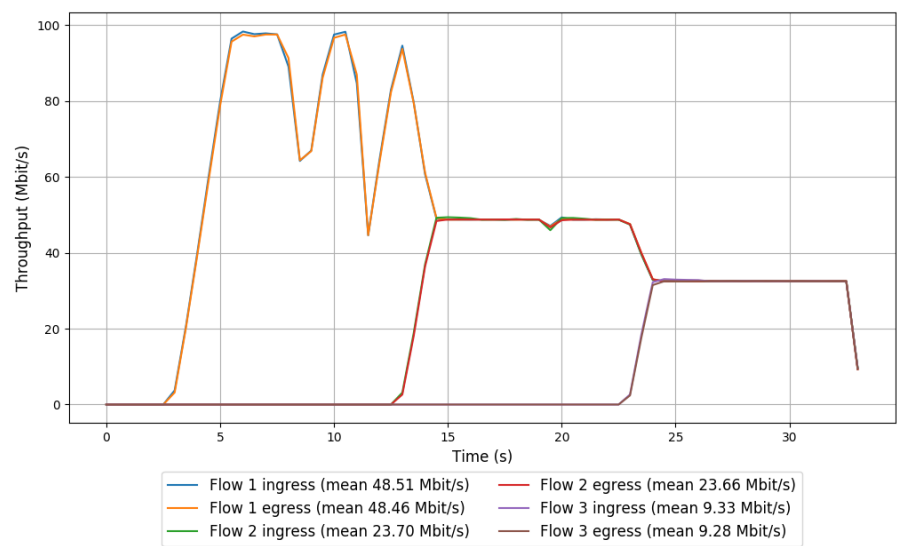
-- Flow 3:

Average throughput: 9.28 Mbit/s

95th percentile per-packet one-way delay: 54.444 ms

Loss rate: 0.62%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:54:00 +0000

End at: Tue, 04 Jul 2017 22:54:30 +0000

Local clock offset: 1.046 ms

Remote clock offset: -12.675 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:54:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.28 Mbit/s

95th percentile per-packet one-way delay: 52.217 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 49.41 Mbit/s

95th percentile per-packet one-way delay: 51.231 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 26.90 Mbit/s

95th percentile per-packet one-way delay: 52.368 ms

Loss rate: 0.23%

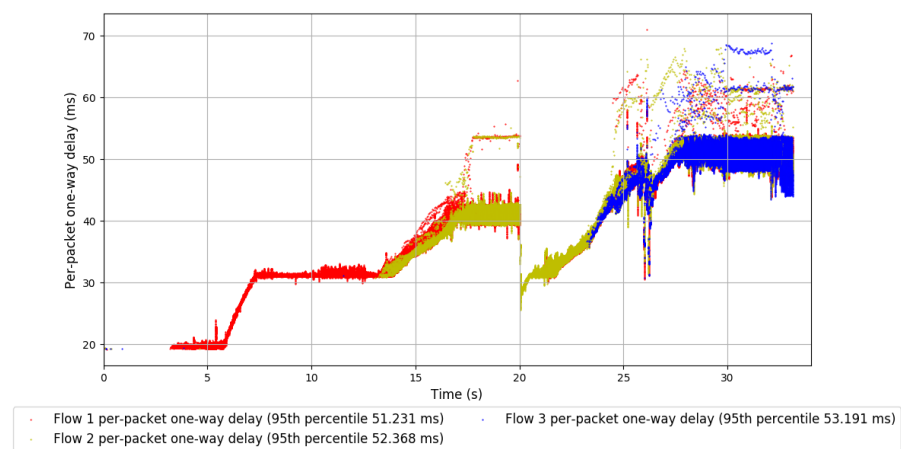
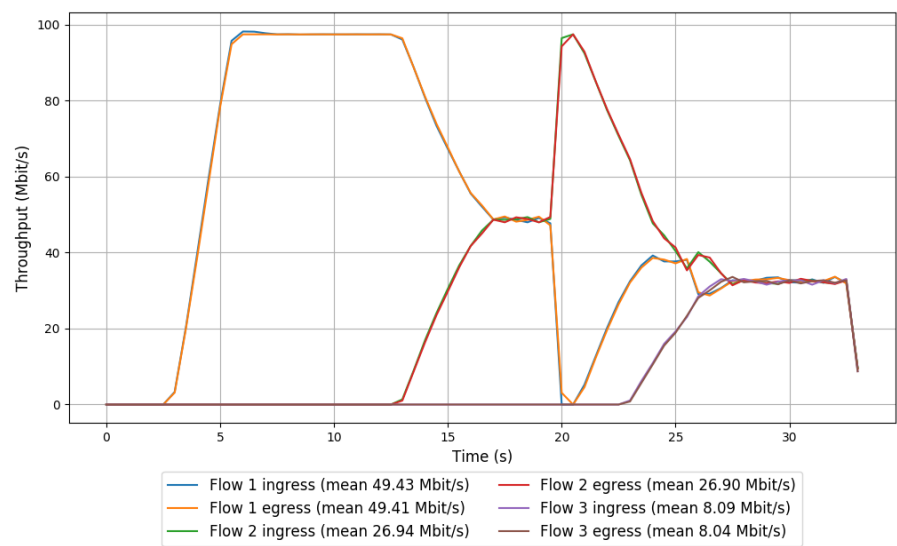
-- Flow 3:

Average throughput: 8.04 Mbit/s

95th percentile per-packet one-way delay: 53.191 ms

Loss rate: 0.65%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:12:09 +0000

End at: Tue, 04 Jul 2017 23:12:39 +0000

Local clock offset: -0.809 ms

Remote clock offset: -14.317 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:54:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 92.77 Mbit/s

95th percentile per-packet one-way delay: 54.311 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 56.05 Mbit/s

95th percentile per-packet one-way delay: 54.279 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 26.31 Mbit/s

95th percentile per-packet one-way delay: 54.274 ms

Loss rate: 0.28%

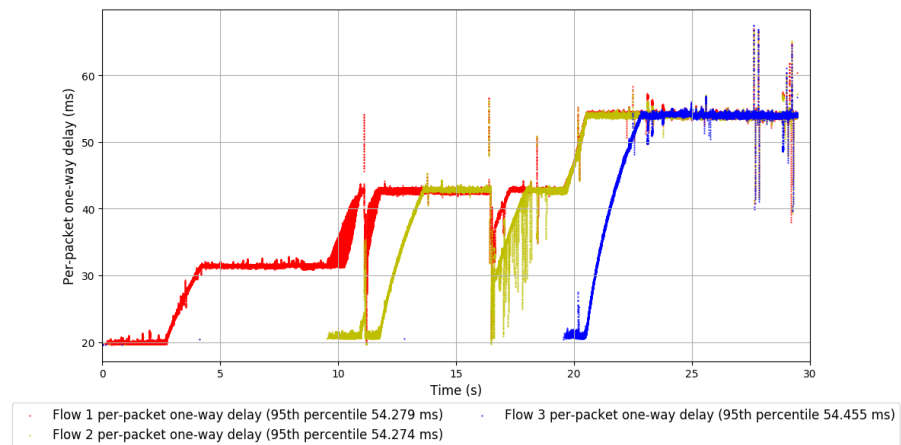
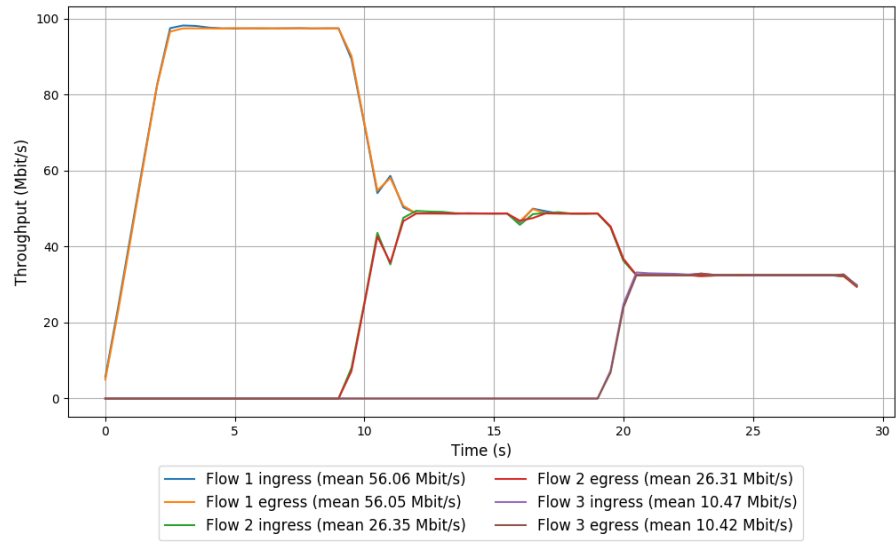
-- Flow 3:

Average throughput: 10.42 Mbit/s

95th percentile per-packet one-way delay: 54.455 ms

Loss rate: 0.62%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:30:15 +0000

End at: Tue, 04 Jul 2017 23:30:45 +0000

Local clock offset: -2.194 ms

Remote clock offset: -11.946 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:55:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.24 Mbit/s

95th percentile per-packet one-way delay: 64.829 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 49.98 Mbit/s

95th percentile per-packet one-way delay: 64.423 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 28.26 Mbit/s

95th percentile per-packet one-way delay: 43.028 ms

Loss rate: 0.48%

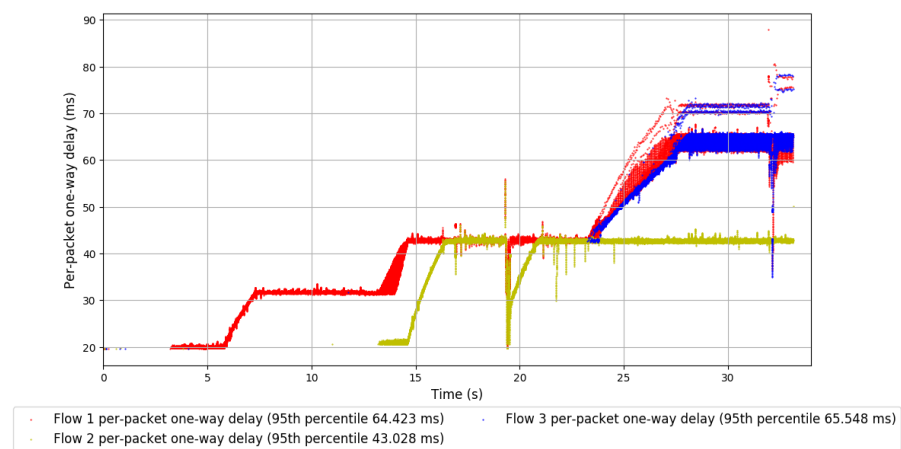
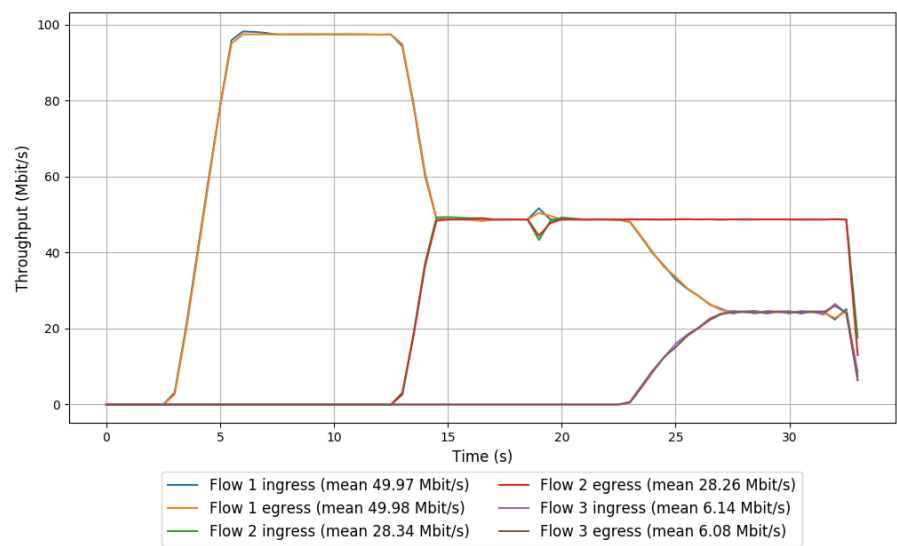
-- Flow 3:

Average throughput: 6.08 Mbit/s

95th percentile per-packet one-way delay: 65.548 ms

Loss rate: 1.31%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:48:24 +0000

End at: Tue, 04 Jul 2017 23:48:54 +0000

Local clock offset: 3.023 ms

Remote clock offset: -12.419 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:55:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.20 Mbit/s

95th percentile per-packet one-way delay: 56.189 ms

Loss rate: 0.55%

-- Flow 1:

Average throughput: 41.03 Mbit/s

95th percentile per-packet one-way delay: 56.444 ms

Loss rate: 0.51%

-- Flow 2:

Average throughput: 30.89 Mbit/s

95th percentile per-packet one-way delay: 42.433 ms

Loss rate: 0.37%

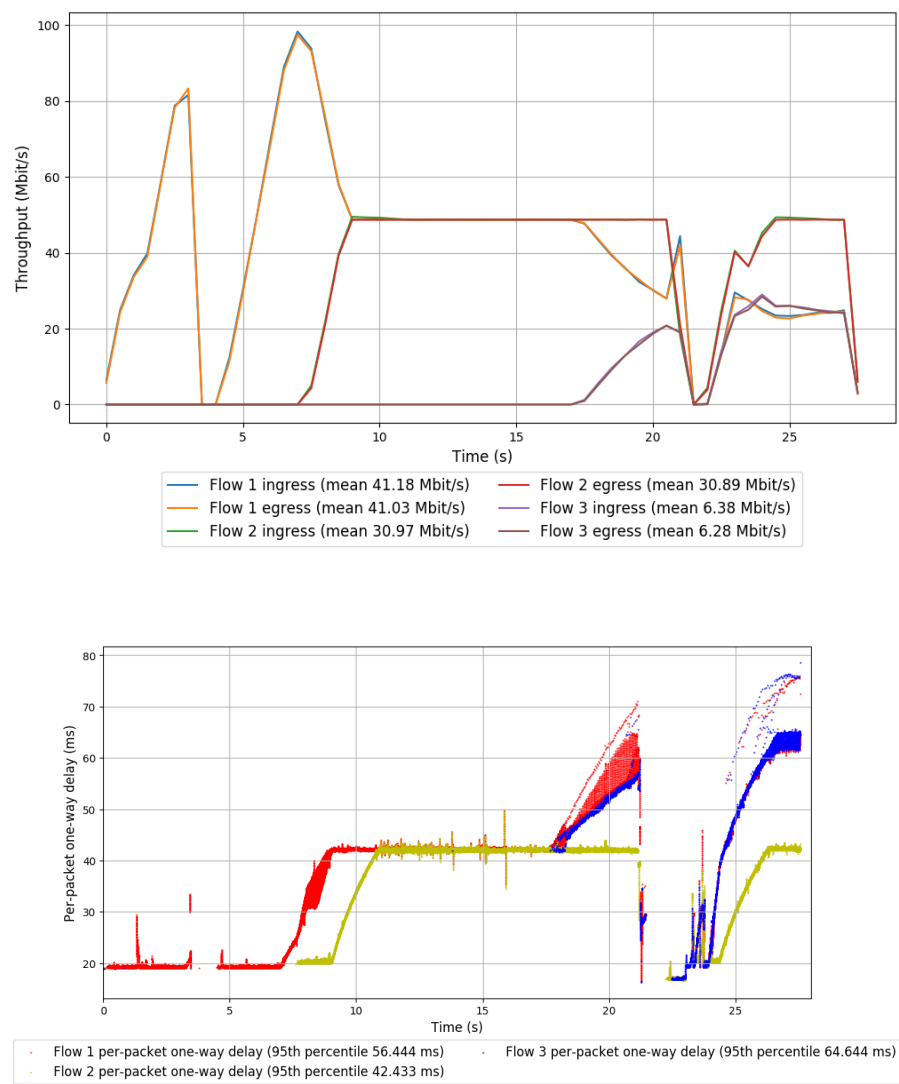
-- Flow 3:

Average throughput: 6.28 Mbit/s

95th percentile per-packet one-way delay: 64.644 ms

Loss rate: 1.73%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 00:06:16 +0000

End at: Wed, 05 Jul 2017 00:06:46 +0000

Local clock offset: 2.255 ms

Remote clock offset: -13.804 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:55:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.20 Mbit/s

95th percentile per-packet one-way delay: 49.651 ms

Loss rate: 0.41%

-- Flow 1:

Average throughput: 42.69 Mbit/s

95th percentile per-packet one-way delay: 48.995 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 22.49 Mbit/s

95th percentile per-packet one-way delay: 49.873 ms

Loss rate: 0.53%

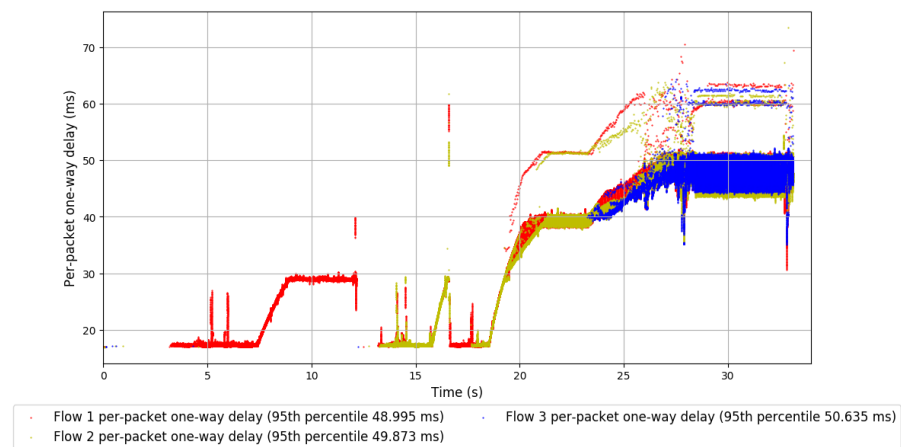
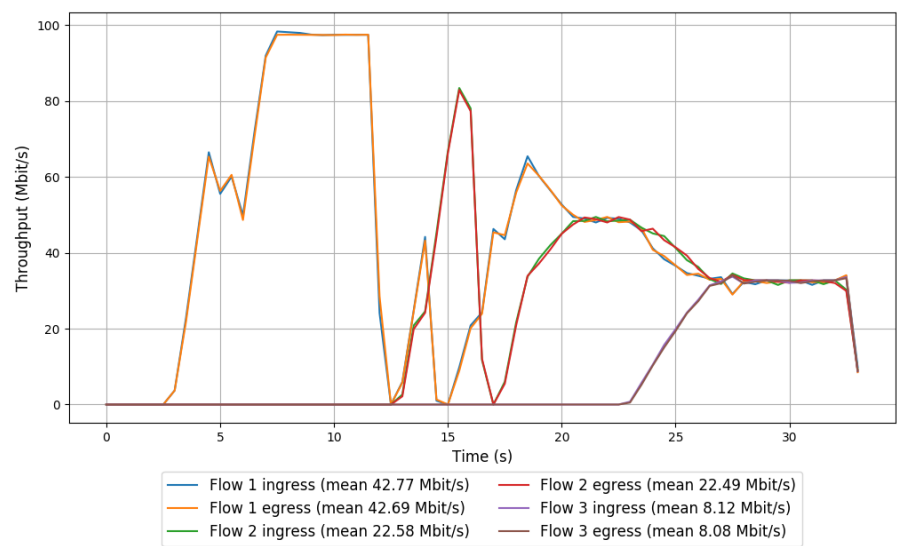
-- Flow 3:

Average throughput: 8.08 Mbit/s

95th percentile per-packet one-way delay: 50.635 ms

Loss rate: 0.64%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 00:24:07 +0000

End at: Wed, 05 Jul 2017 00:24:37 +0000

Local clock offset: 1.304 ms

Remote clock offset: -13.252 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:55:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.81 Mbit/s

95th percentile per-packet one-way delay: 63.388 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 48.65 Mbit/s

95th percentile per-packet one-way delay: 63.345 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 17.87 Mbit/s

95th percentile per-packet one-way delay: 63.496 ms

Loss rate: 0.37%

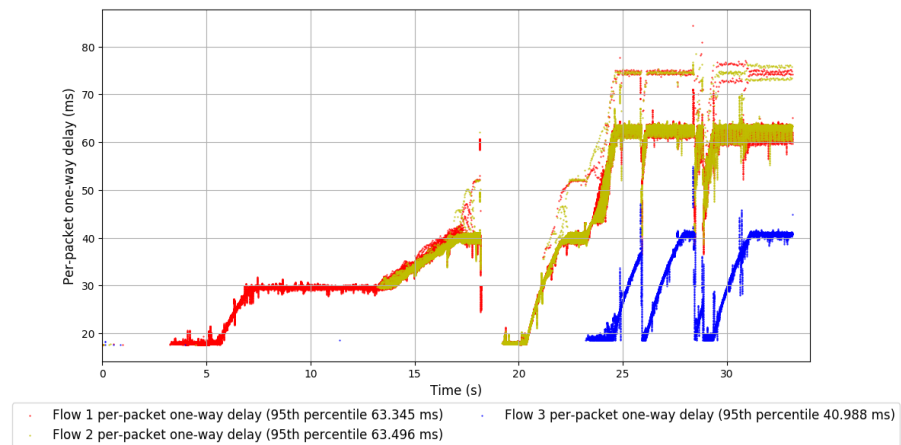
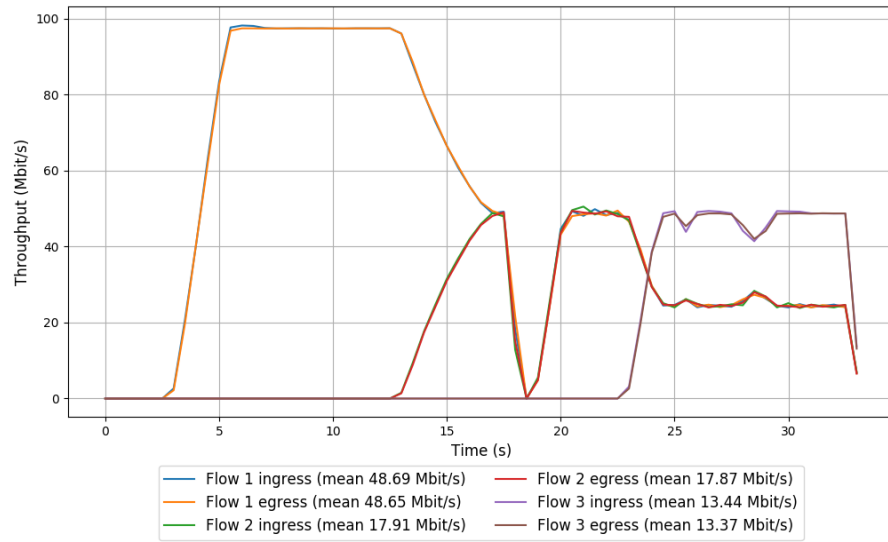
-- Flow 3:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 40.988 ms

Loss rate: 0.58%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 00:42:06 +0000

End at: Wed, 05 Jul 2017 00:42:36 +0000

Local clock offset: 3.307 ms

Remote clock offset: -12.662 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:55:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.07 Mbit/s

95th percentile per-packet one-way delay: 63.864 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 42.34 Mbit/s

95th percentile per-packet one-way delay: 63.853 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 27.57 Mbit/s

95th percentile per-packet one-way delay: 41.711 ms

Loss rate: 0.31%

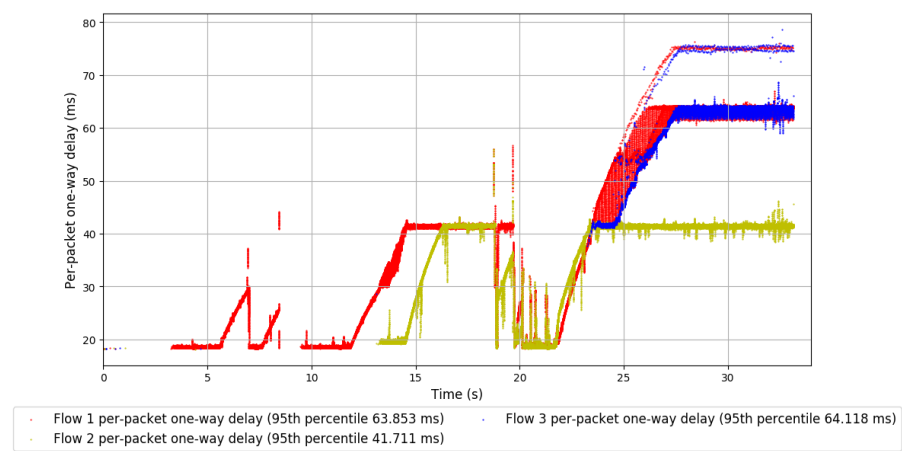
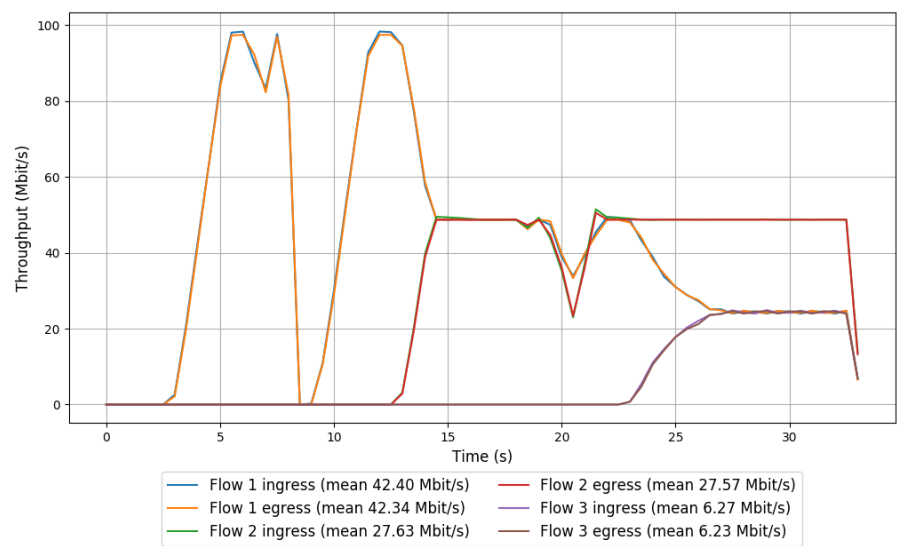
-- Flow 3:

Average throughput: 6.23 Mbit/s

95th percentile per-packet one-way delay: 64.118 ms

Loss rate: 0.83%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Tue, 04 Jul 2017 21:44:56 +0000

End at: Tue, 04 Jul 2017 21:45:26 +0000

Local clock offset: 0.169 ms

Remote clock offset: -17.401 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:55:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.11 Mbit/s

95th percentile per-packet one-way delay: 53.163 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 50.82 Mbit/s

95th percentile per-packet one-way delay: 53.301 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 26.78 Mbit/s

95th percentile per-packet one-way delay: 31.119 ms

Loss rate: 0.18%

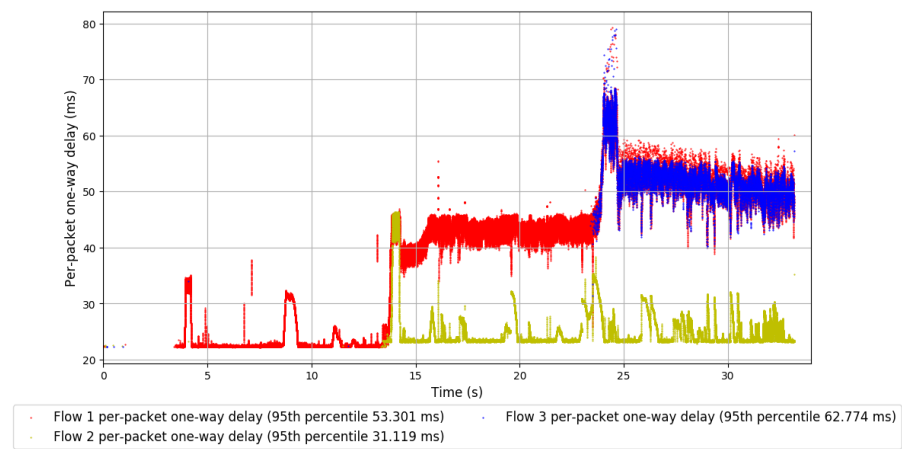
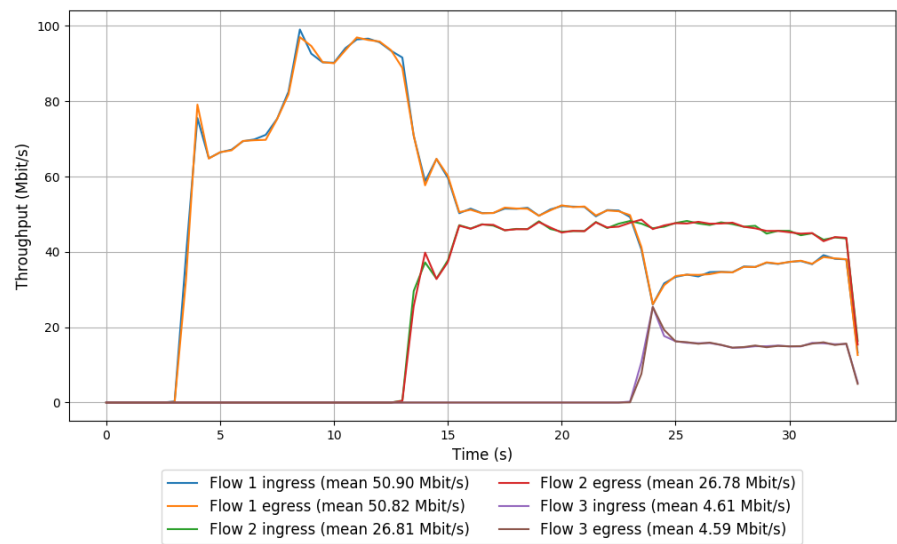
-- Flow 3:

Average throughput: 4.59 Mbit/s

95th percentile per-packet one-way delay: 62.774 ms

Loss rate: 0.62%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:03:23 +0000

End at: Tue, 04 Jul 2017 22:03:53 +0000

Local clock offset: 1.178 ms

Remote clock offset: -15.808 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:55:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.15 Mbit/s

95th percentile per-packet one-way delay: 50.227 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 53.51 Mbit/s

95th percentile per-packet one-way delay: 49.252 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 22.76 Mbit/s

95th percentile per-packet one-way delay: 50.231 ms

Loss rate: 0.21%

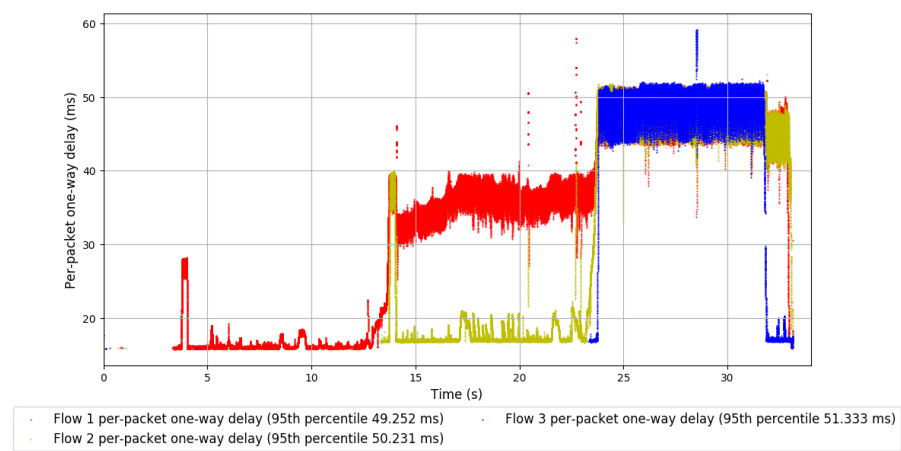
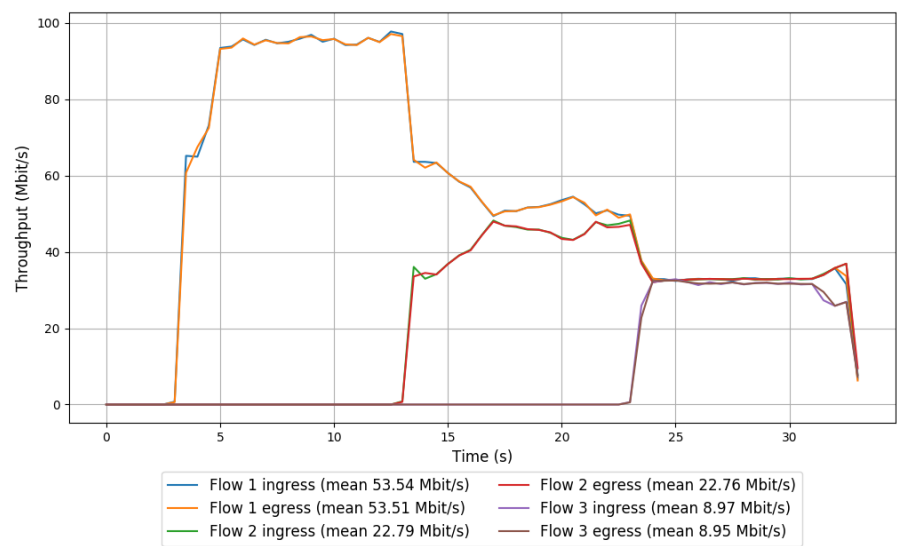
-- Flow 3:

Average throughput: 8.95 Mbit/s

95th percentile per-packet one-way delay: 51.333 ms

Loss rate: 0.24%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:21:29 +0000

End at: Tue, 04 Jul 2017 22:21:59 +0000

Local clock offset: 0.361 ms

Remote clock offset: -13.23 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:55:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.64 Mbit/s

95th percentile per-packet one-way delay: 52.750 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 51.67 Mbit/s

95th percentile per-packet one-way delay: 51.688 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 23.26 Mbit/s

95th percentile per-packet one-way delay: 52.752 ms

Loss rate: 0.15%

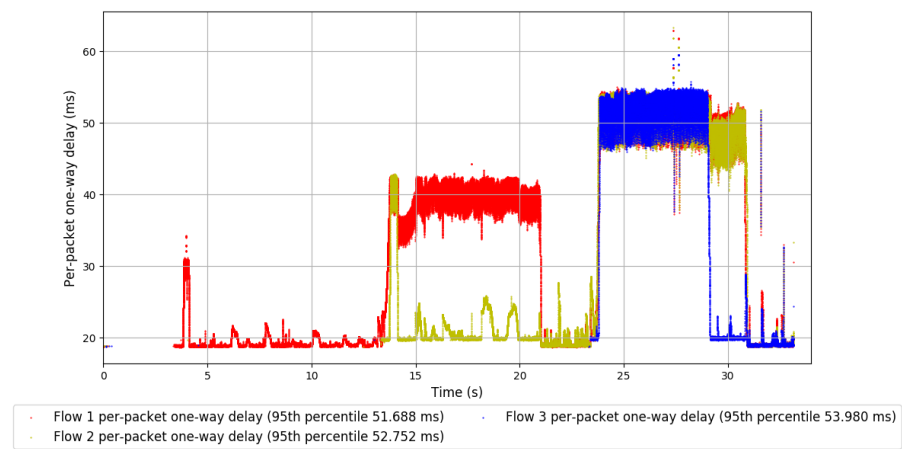
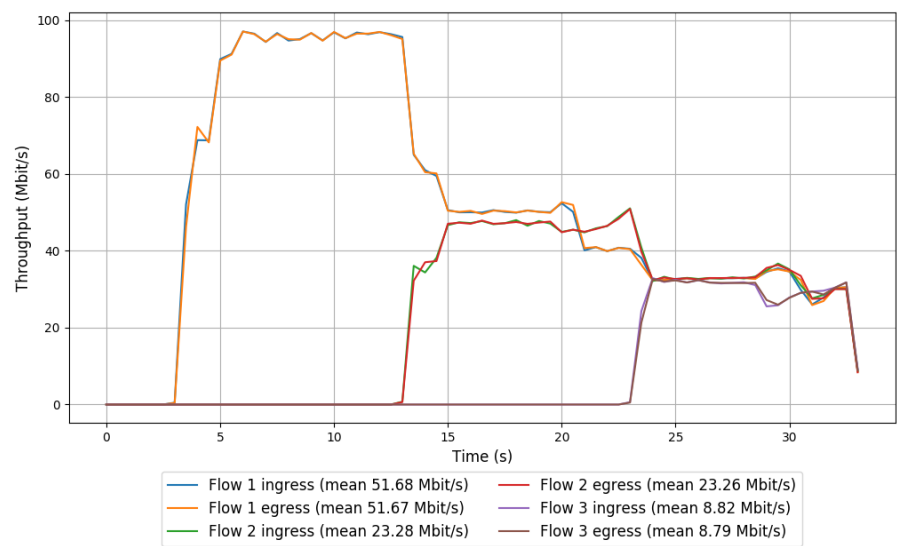
-- Flow 3:

Average throughput: 8.79 Mbit/s

95th percentile per-packet one-way delay: 53.980 ms

Loss rate: 0.44%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

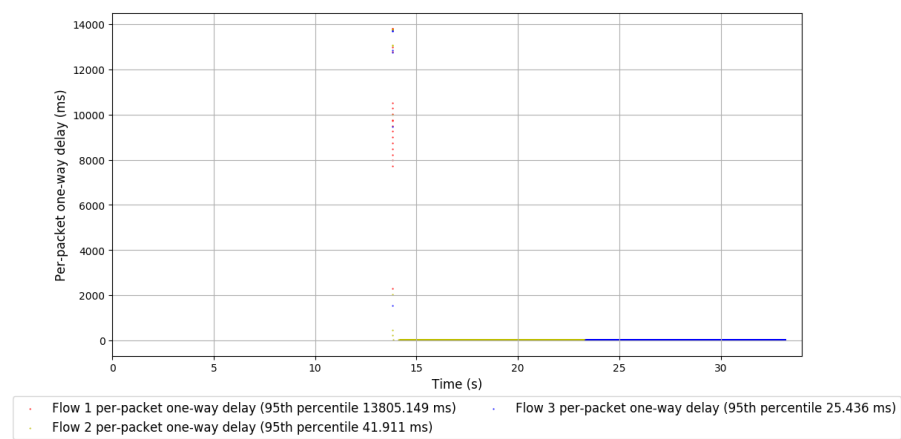
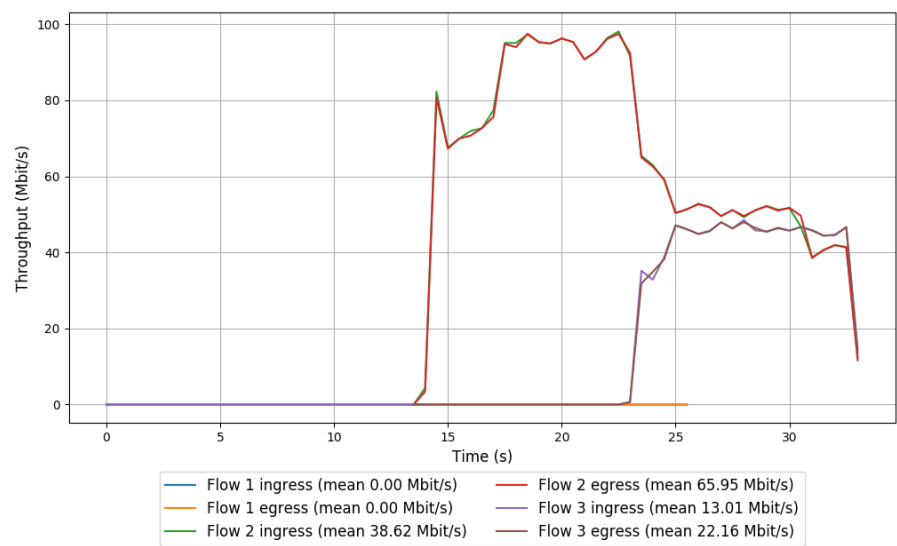
Start at: Tue, 04 Jul 2017 22:39:27 +0000

End at: Tue, 04 Jul 2017 22:39:57 +0000

Local clock offset: -1.682 ms

Remote clock offset: -13.393 ms

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

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

End at: Tue, 04 Jul 2017 22:58:10 +0000

Local clock offset: -3.72 ms

Remote clock offset: -13.636 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:55:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.80 Mbit/s

95th percentile per-packet one-way delay: 46.848 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 47.653 ms

Loss rate: 0.29%

-- Flow 2:

Average throughput: 22.41 Mbit/s

95th percentile per-packet one-way delay: 41.279 ms

Loss rate: 0.17%

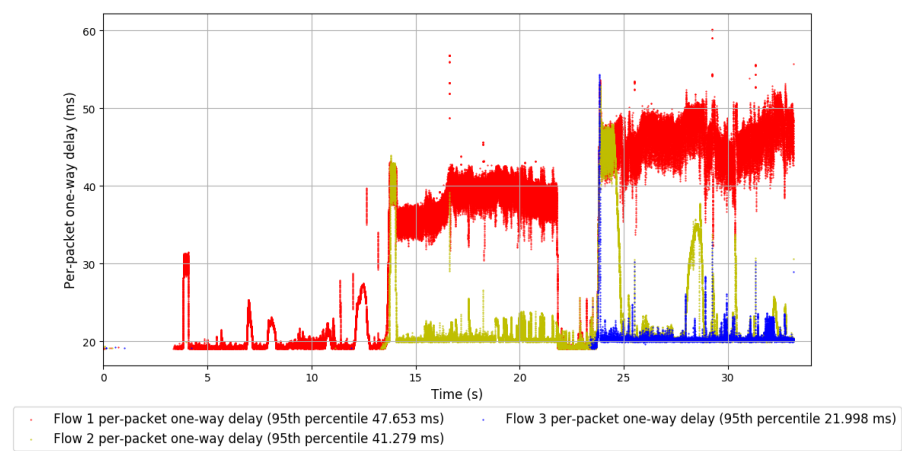
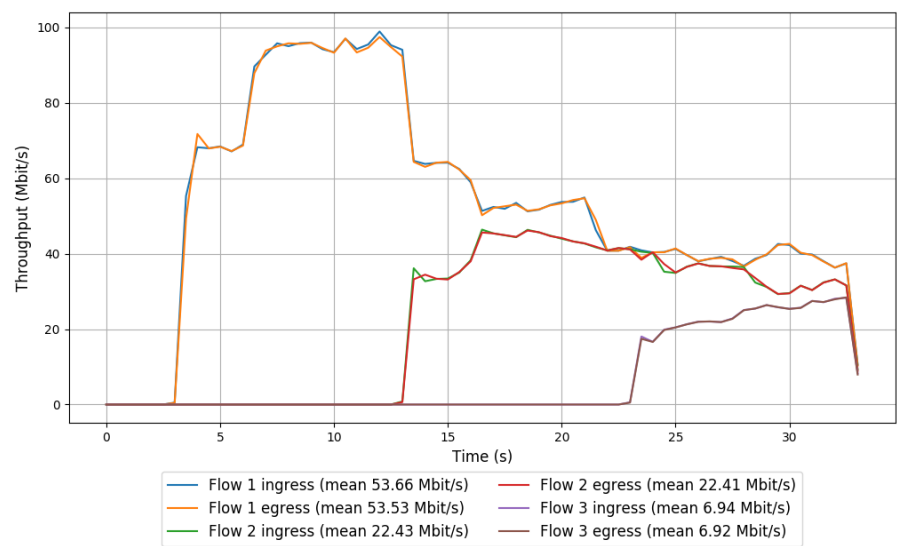
-- Flow 3:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 21.998 ms

Loss rate: 0.32%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:15:45 +0000

End at: Tue, 04 Jul 2017 23:16:15 +0000

Local clock offset: 1.966 ms

Remote clock offset: -12.937 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.92 Mbit/s

95th percentile per-packet one-way delay: 49.856 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 52.69 Mbit/s

95th percentile per-packet one-way delay: 47.794 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 25.12 Mbit/s

95th percentile per-packet one-way delay: 51.828 ms

Loss rate: 0.23%

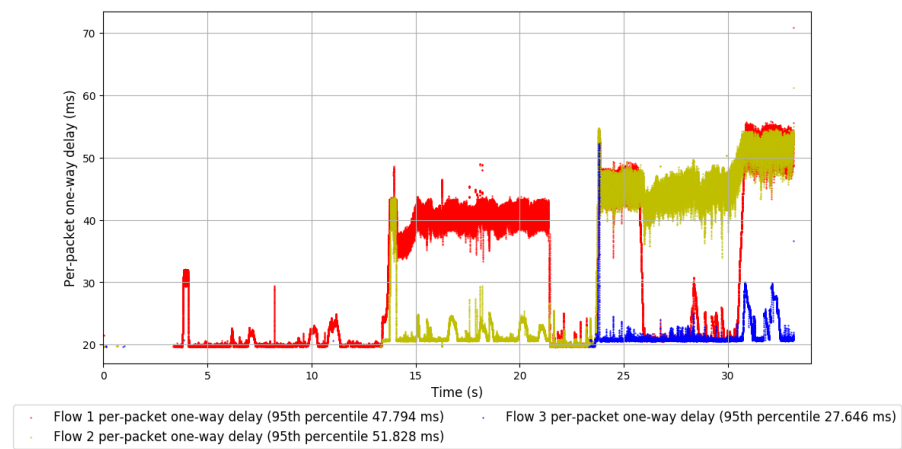
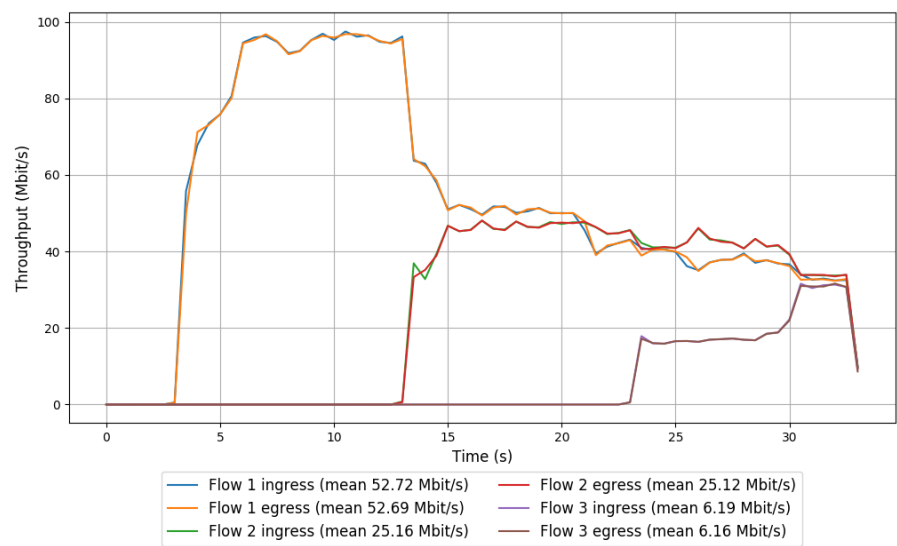
-- Flow 3:

Average throughput: 6.16 Mbit/s

95th percentile per-packet one-way delay: 27.646 ms

Loss rate: 0.47%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:33:53 +0000

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

Local clock offset: 0.327 ms

Remote clock offset: -12.051 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.57 Mbit/s

95th percentile per-packet one-way delay: 49.571 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 63.60 Mbit/s

95th percentile per-packet one-way delay: 49.345 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 7.82 Mbit/s

95th percentile per-packet one-way delay: 51.589 ms

Loss rate: 0.33%

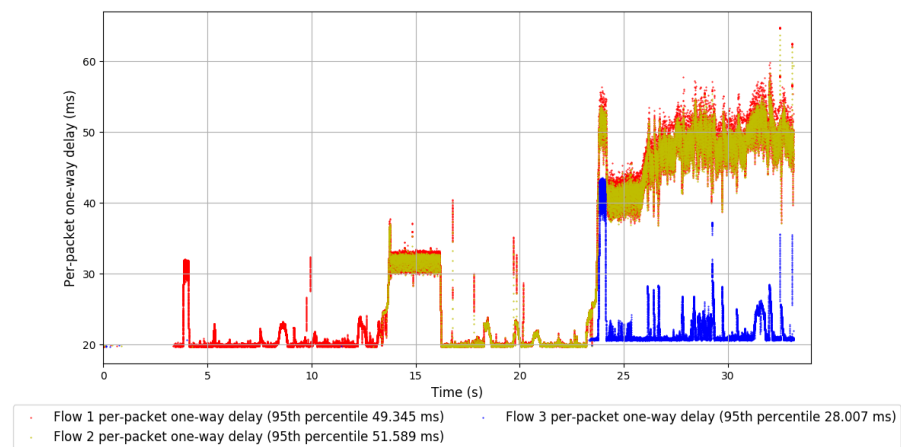
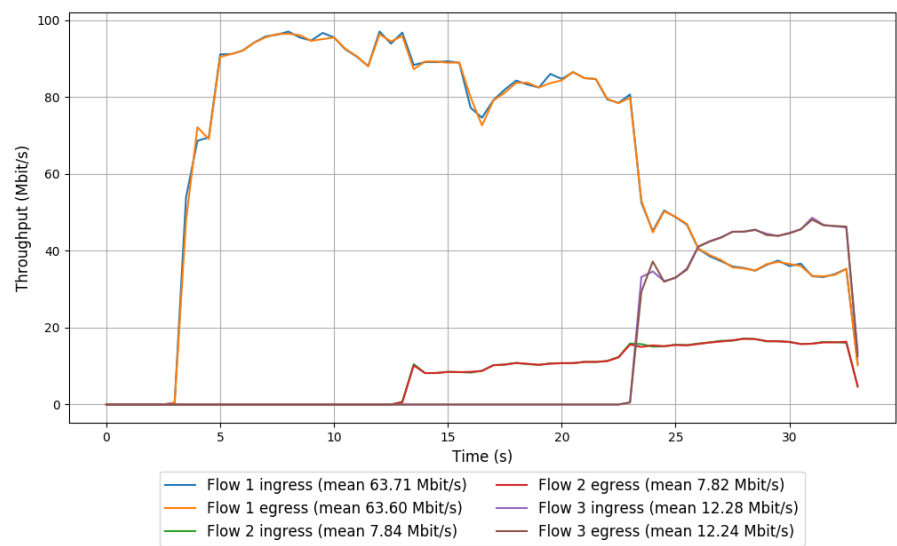
-- Flow 3:

Average throughput: 12.24 Mbit/s

95th percentile per-packet one-way delay: 28.007 ms

Loss rate: 0.44%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:51:57 +0000

End at: Tue, 04 Jul 2017 23:52:27 +0000

Local clock offset: 2.118 ms

Remote clock offset: -11.939 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.19 Mbit/s

95th percentile per-packet one-way delay: 59.443 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 53.04 Mbit/s

95th percentile per-packet one-way delay: 58.519 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 19.25 Mbit/s

95th percentile per-packet one-way delay: 61.262 ms

Loss rate: 0.25%

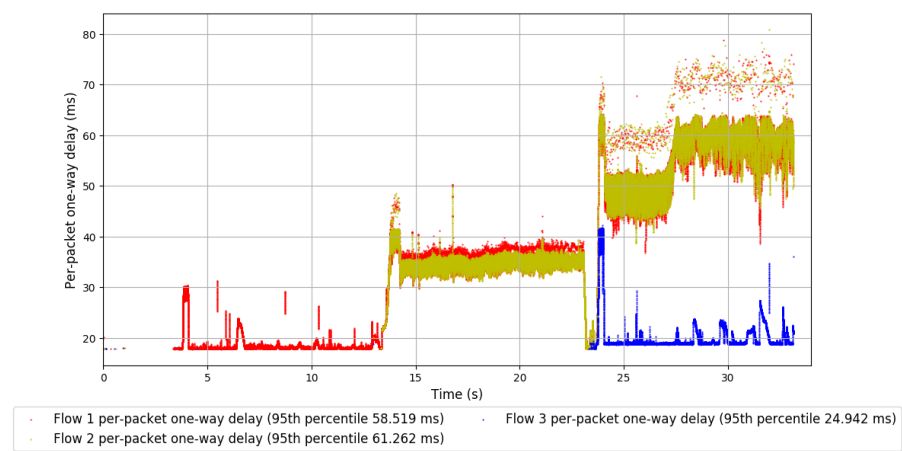
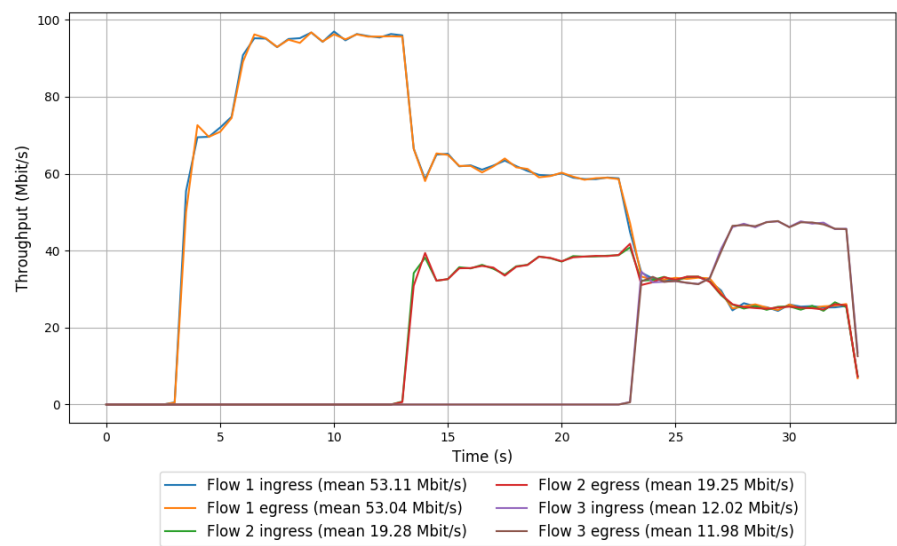
-- Flow 3:

Average throughput: 11.98 Mbit/s

95th percentile per-packet one-way delay: 24.942 ms

Loss rate: 0.40%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Wed, 05 Jul 2017 00:09:44 +0000

End at: Wed, 05 Jul 2017 00:10:14 +0000

Local clock offset: 1.626 ms

Remote clock offset: -12.669 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.14 Mbit/s

95th percentile per-packet one-way delay: 39.347 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 54.57 Mbit/s

95th percentile per-packet one-way delay: 39.736 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 26.92 Mbit/s

95th percentile per-packet one-way delay: 23.486 ms

Loss rate: 0.18%

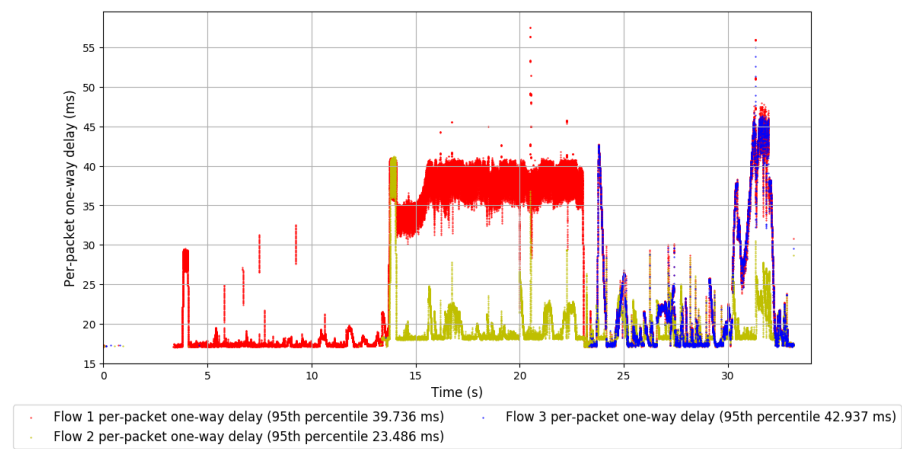
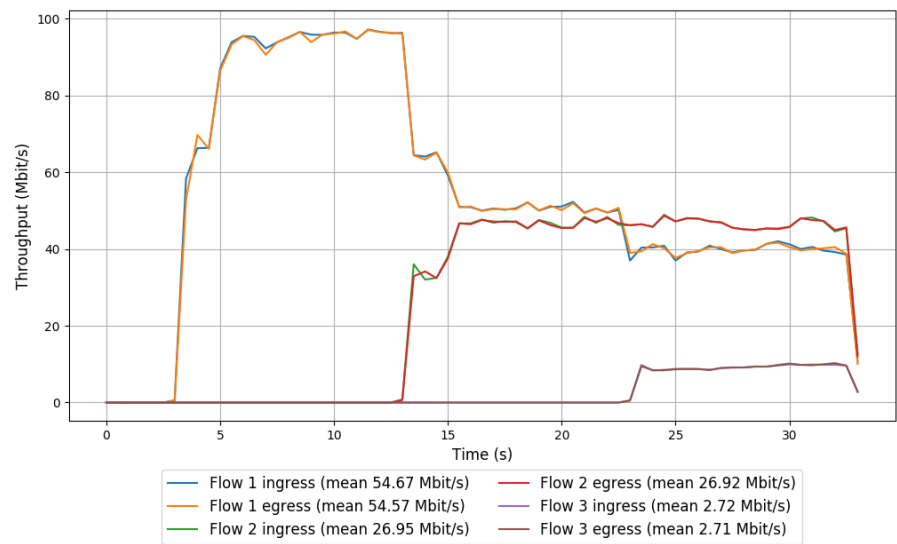
-- Flow 3:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 42.937 ms

Loss rate: 0.28%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Wed, 05 Jul 2017 00:27:37 +0000

End at: Wed, 05 Jul 2017 00:28:07 +0000

Local clock offset: 1.468 ms

Remote clock offset: -13.102 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.26 Mbit/s

95th percentile per-packet one-way delay: 39.168 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 56.17 Mbit/s

95th percentile per-packet one-way delay: 39.560 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 25.37 Mbit/s

95th percentile per-packet one-way delay: 32.571 ms

Loss rate: 0.21%

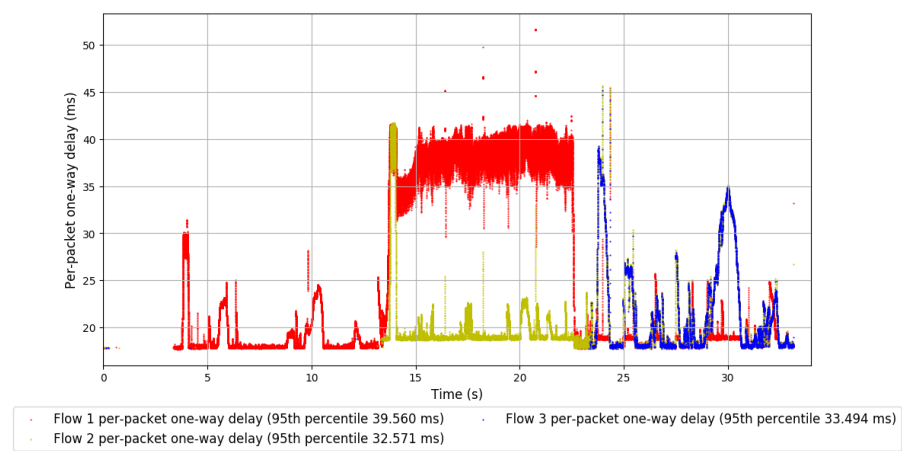
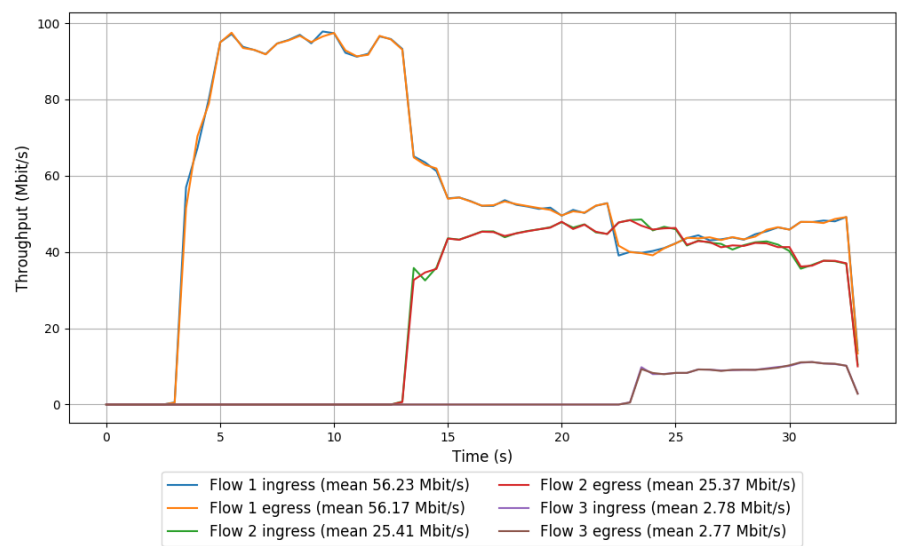
-- Flow 3:

Average throughput: 2.77 Mbit/s

95th percentile per-packet one-way delay: 33.494 ms

Loss rate: 0.26%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 21:55:01 +0000

End at: Tue, 04 Jul 2017 21:55:31 +0000

Local clock offset: -1.807 ms

Remote clock offset: -15.513 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 22.241 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 22.257 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 22.133 ms

Loss rate: 0.00%

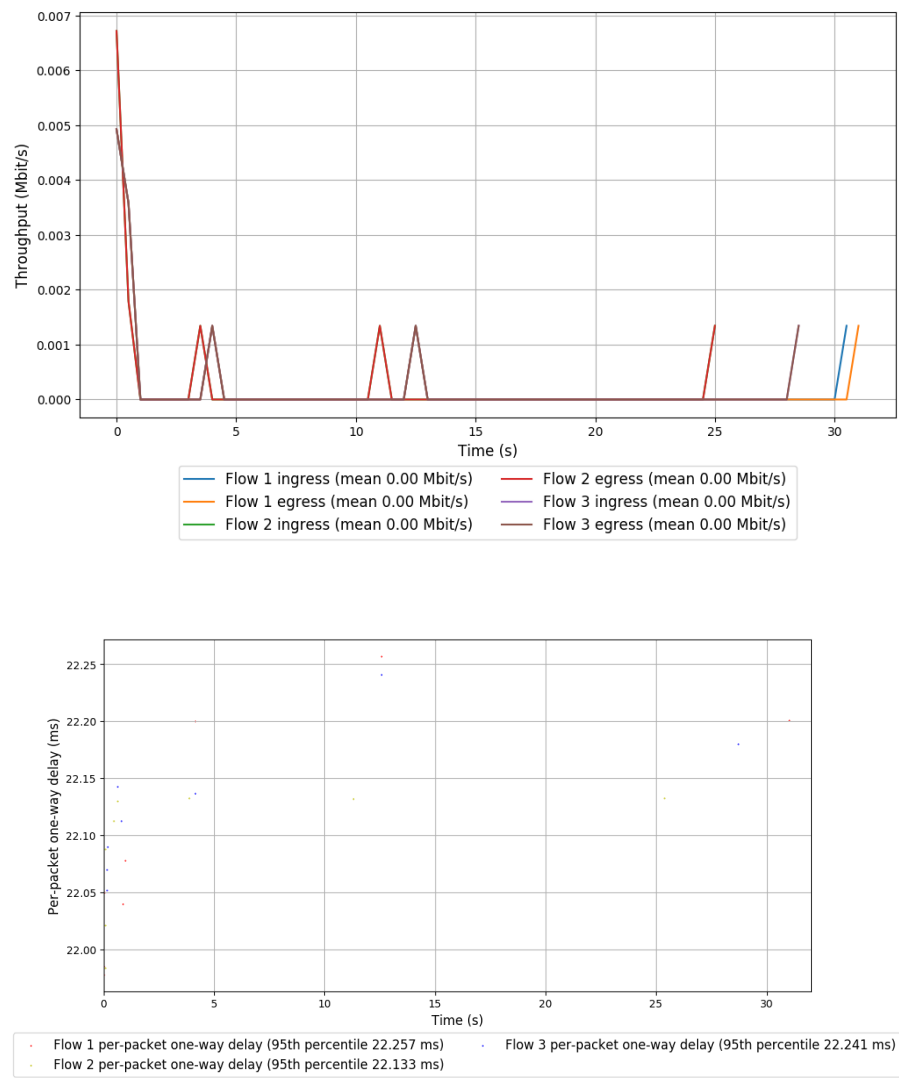
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 22.241 ms

Loss rate: 0.00%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 22:13:08 +0000

End at: Tue, 04 Jul 2017 22:13:38 +0000

Local clock offset: 0.697 ms

Remote clock offset: -14.023 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.210 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.177 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.191 ms

Loss rate: 0.00%

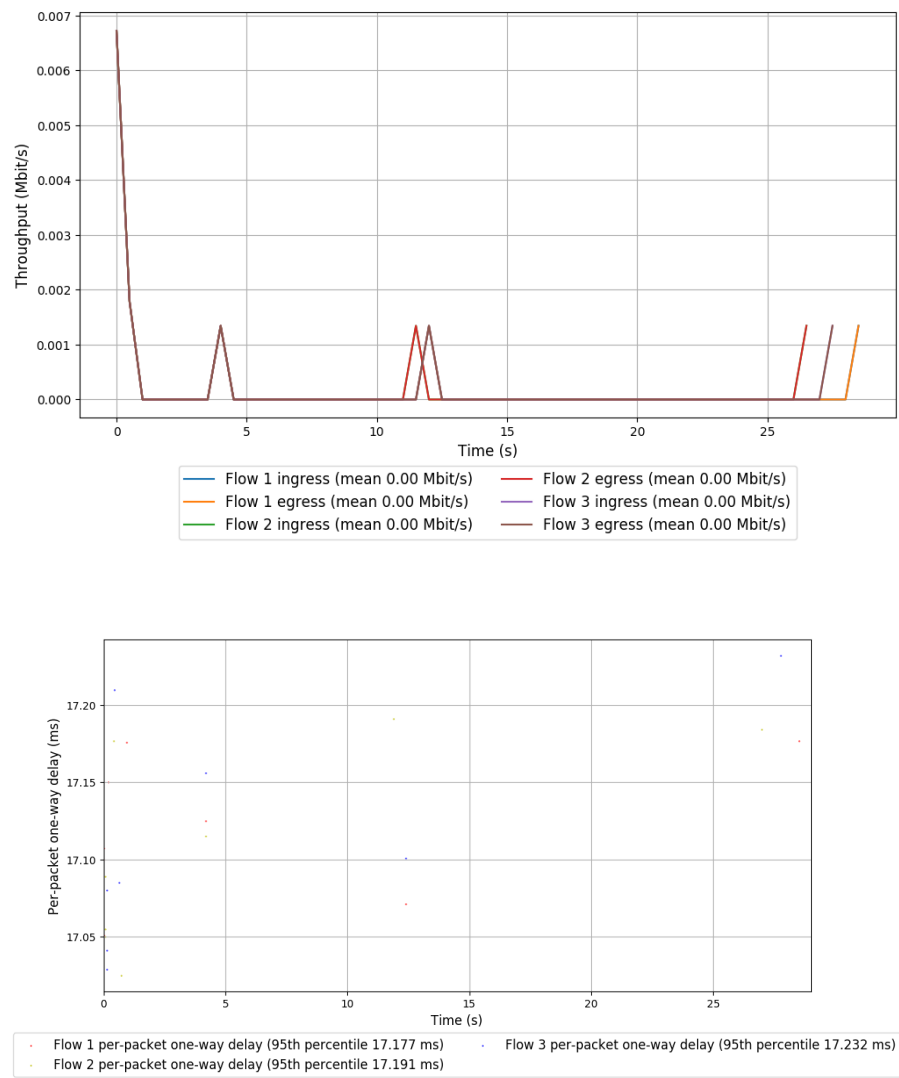
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.232 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 22:31:06 +0000

End at: Tue, 04 Jul 2017 22:31:36 +0000

Local clock offset: -0.283 ms

Remote clock offset: -12.228 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.652 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.657 ms

Loss rate: 0.00%

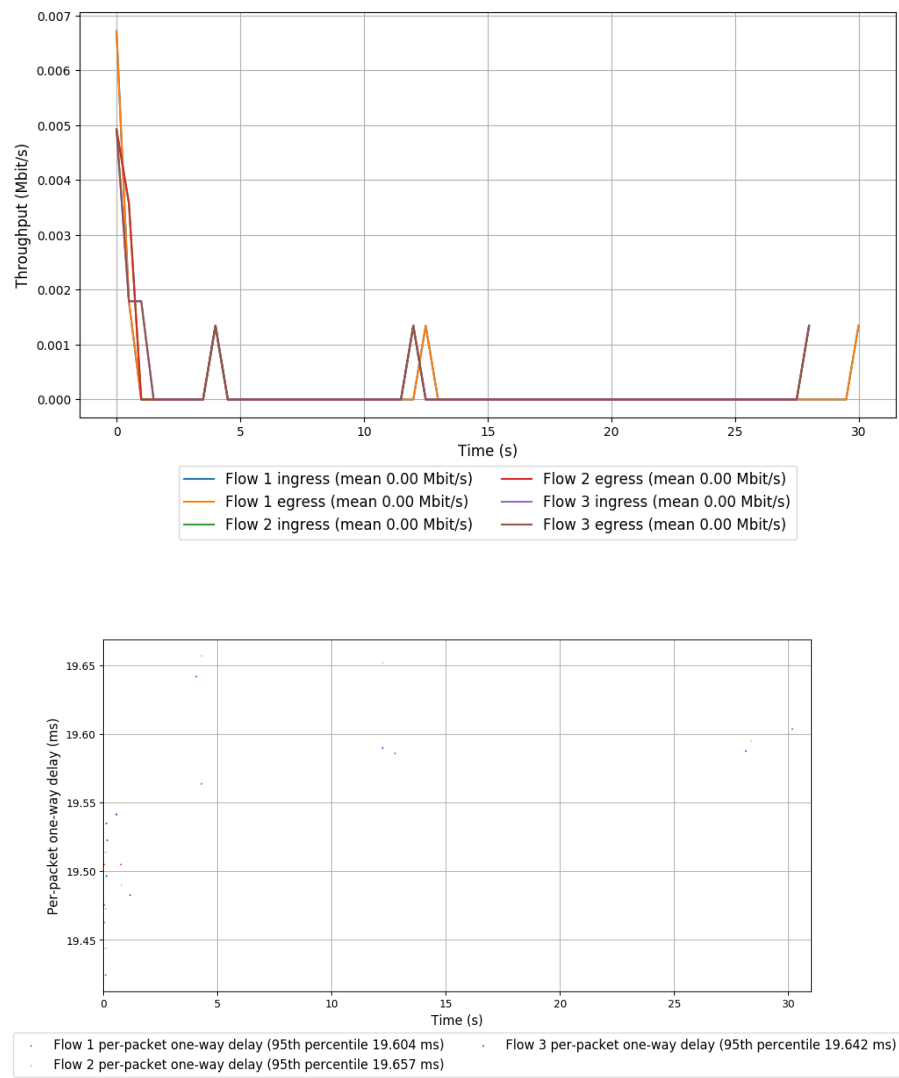
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.642 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 22:49:07 +0000

End at: Tue, 04 Jul 2017 22:49:37 +0000

Local clock offset: -0.716 ms

Remote clock offset: -13.364 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.751 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.720 ms

Loss rate: 0.00%

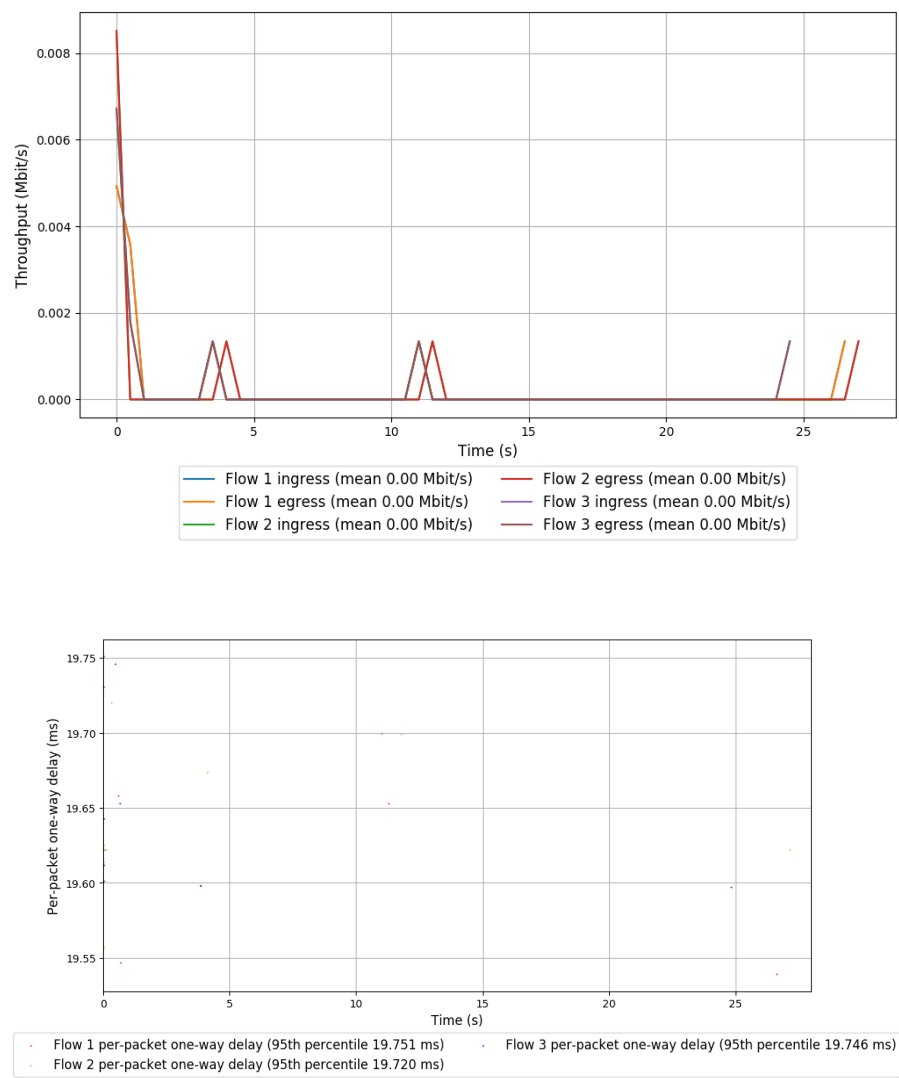
-- Flow 3:

Average throughput: 0.00 Mbit/s

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

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 23:07:20 +0000

End at: Tue, 04 Jul 2017 23:07:50 +0000

Local clock offset: 2.008 ms

Remote clock offset: -13.237 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.637 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.643 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.621 ms

Loss rate: 0.00%

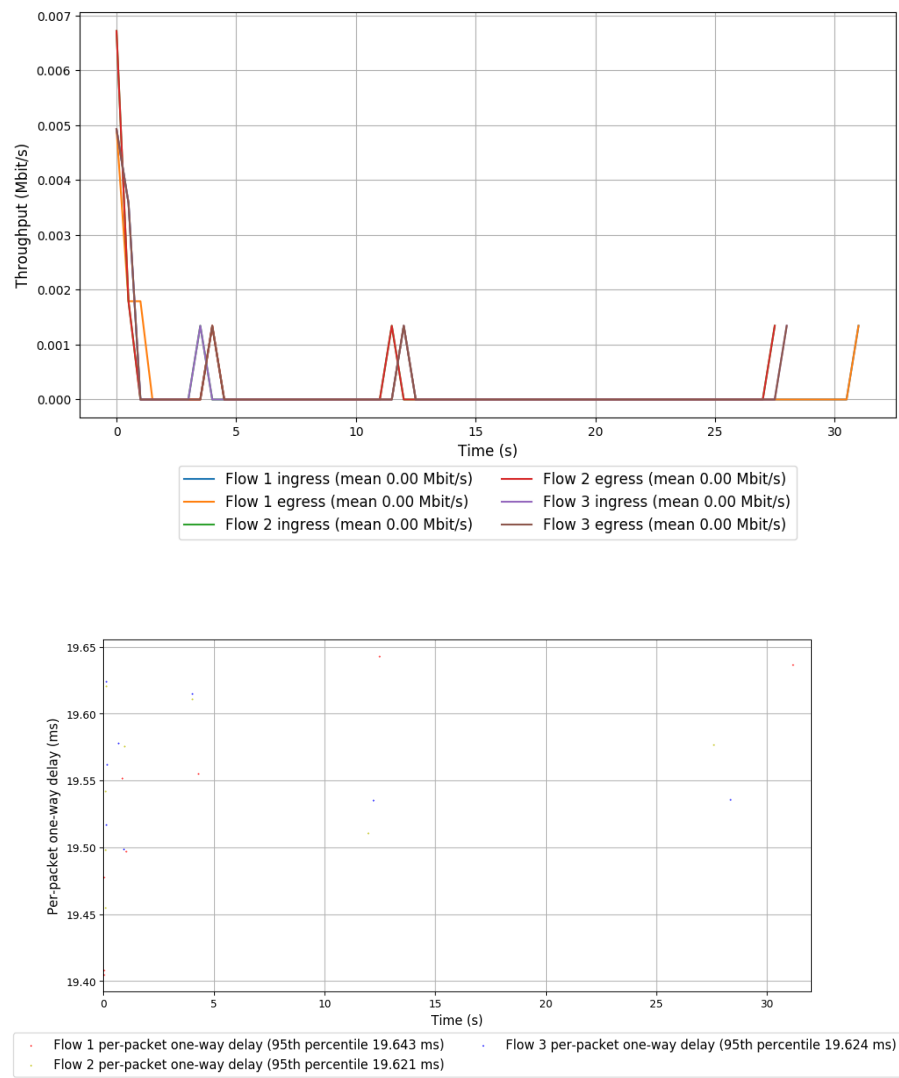
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.624 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

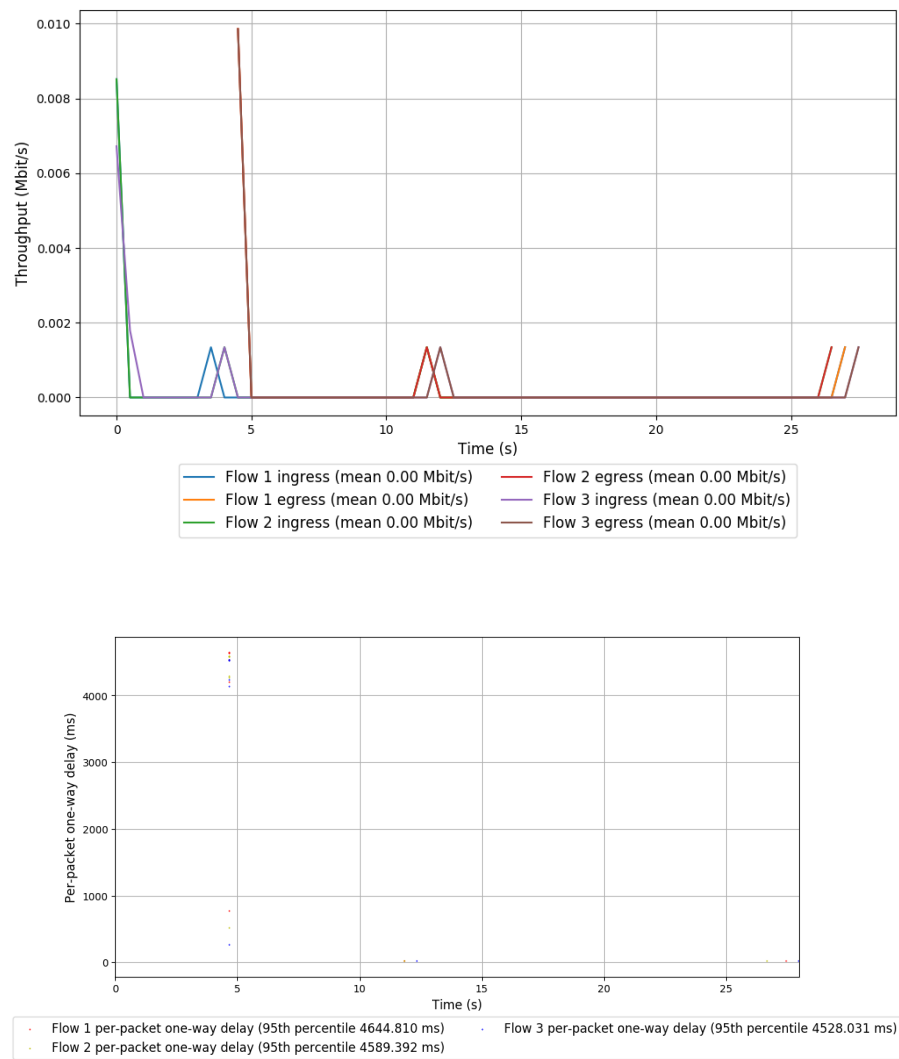
Start at: Tue, 04 Jul 2017 23:25:27 +0000

End at: Tue, 04 Jul 2017 23:25:57 +0000

Local clock offset: -0.787 ms

Remote clock offset: -13.59 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 23:43:38 +0000

End at: Tue, 04 Jul 2017 23:44:08 +0000

Local clock offset: 1.014 ms

Remote clock offset: -14.19 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.237 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.212 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.237 ms

Loss rate: 0.00%

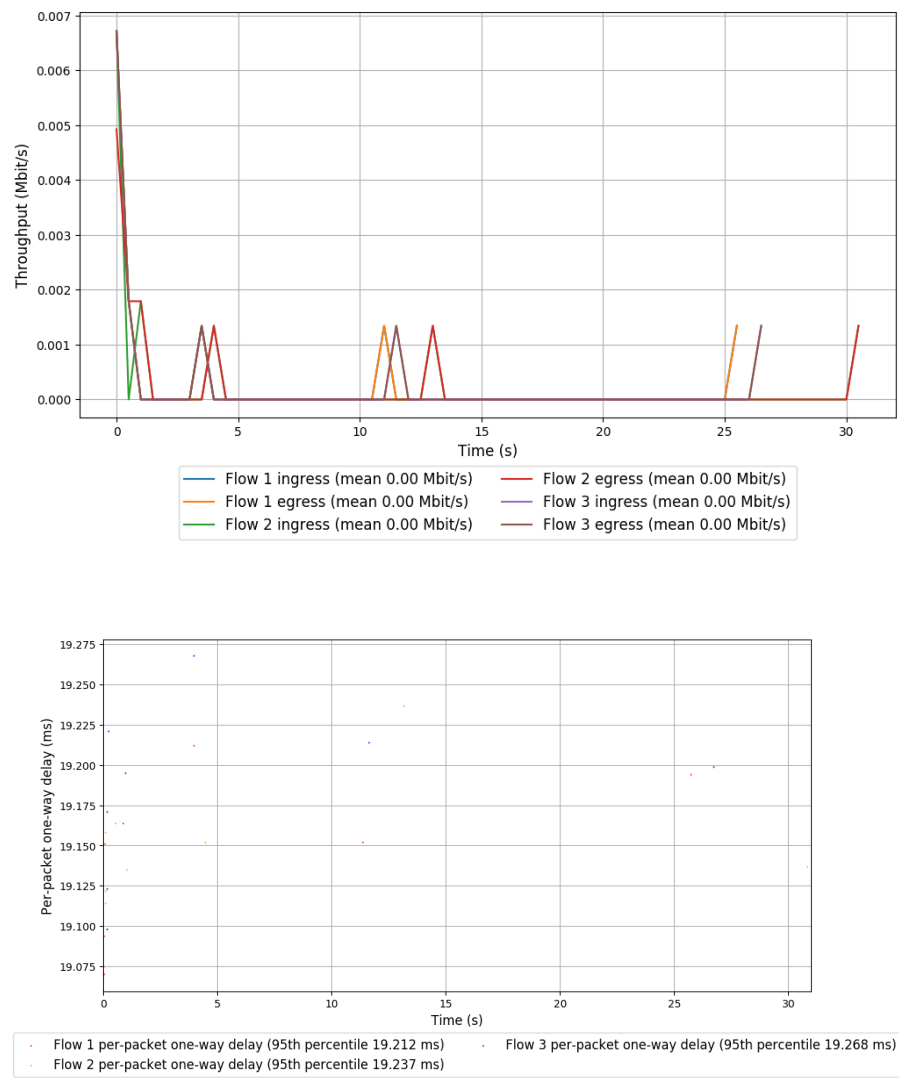
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.268 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 00:01:33 +0000

End at: Wed, 05 Jul 2017 00:02:03 +0000

Local clock offset: -1.54 ms

Remote clock offset: -13.614 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.154 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.090 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.154 ms

Loss rate: 0.00%

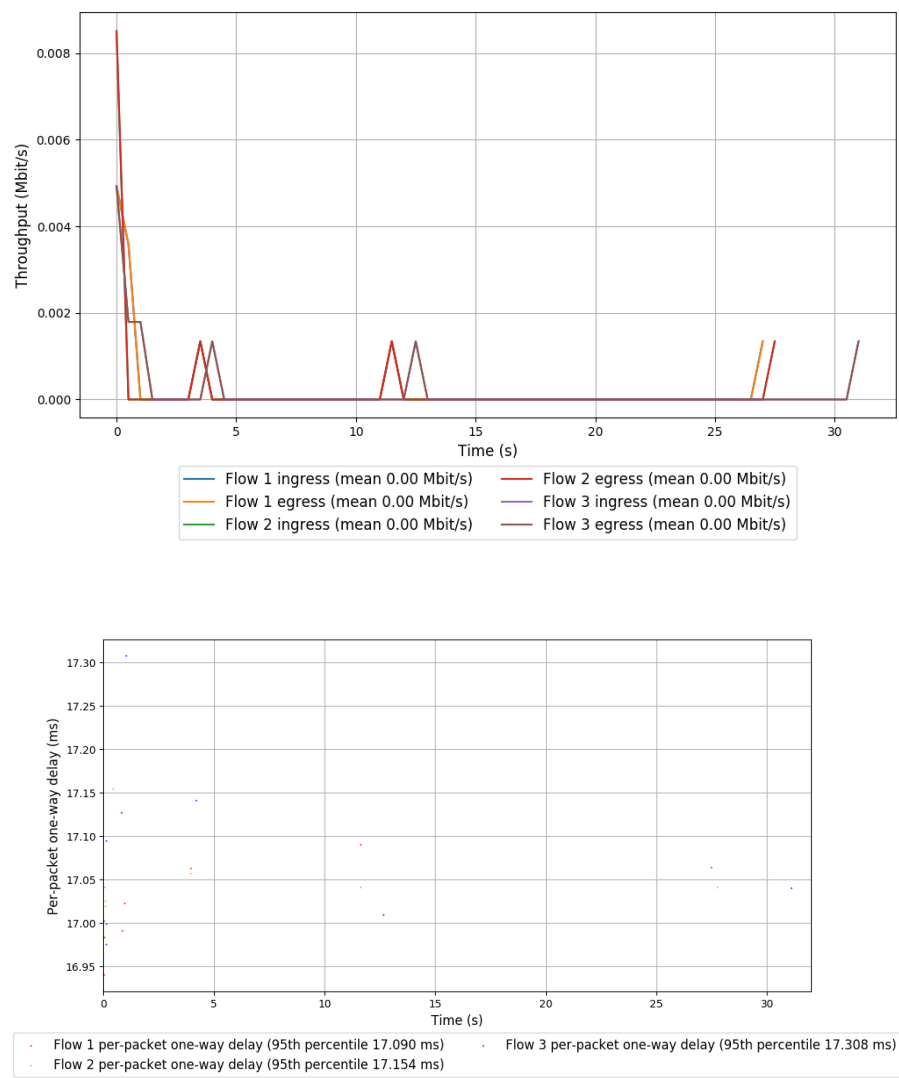
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.308 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 00:19:20 +0000

End at: Wed, 05 Jul 2017 00:19:50 +0000

Local clock offset: 1.661 ms

Remote clock offset: -14.265 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.610 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.541 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.625 ms

Loss rate: 0.00%

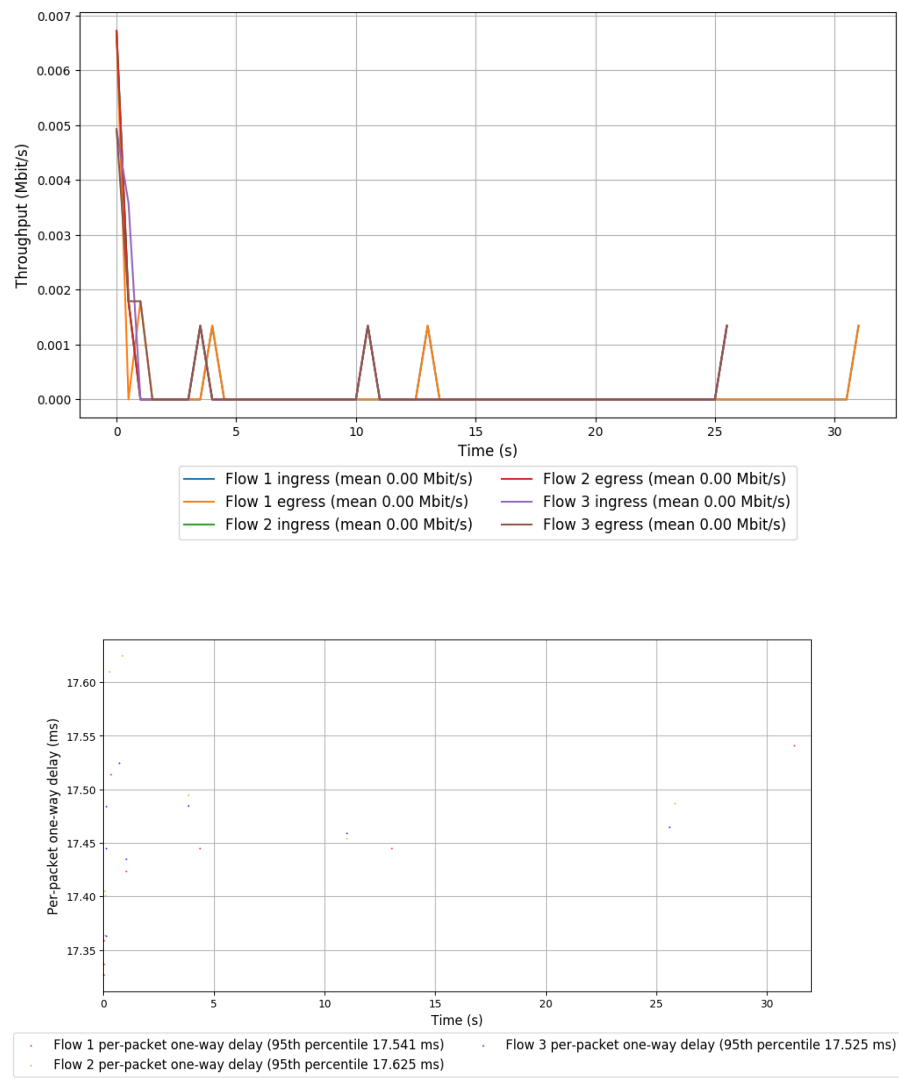
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.525 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 00:37:15 +0000

End at: Wed, 05 Jul 2017 00:37:45 +0000

Local clock offset: -0.268 ms

Remote clock offset: -12.995 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.876 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.889 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.397 ms

Loss rate: 0.00%

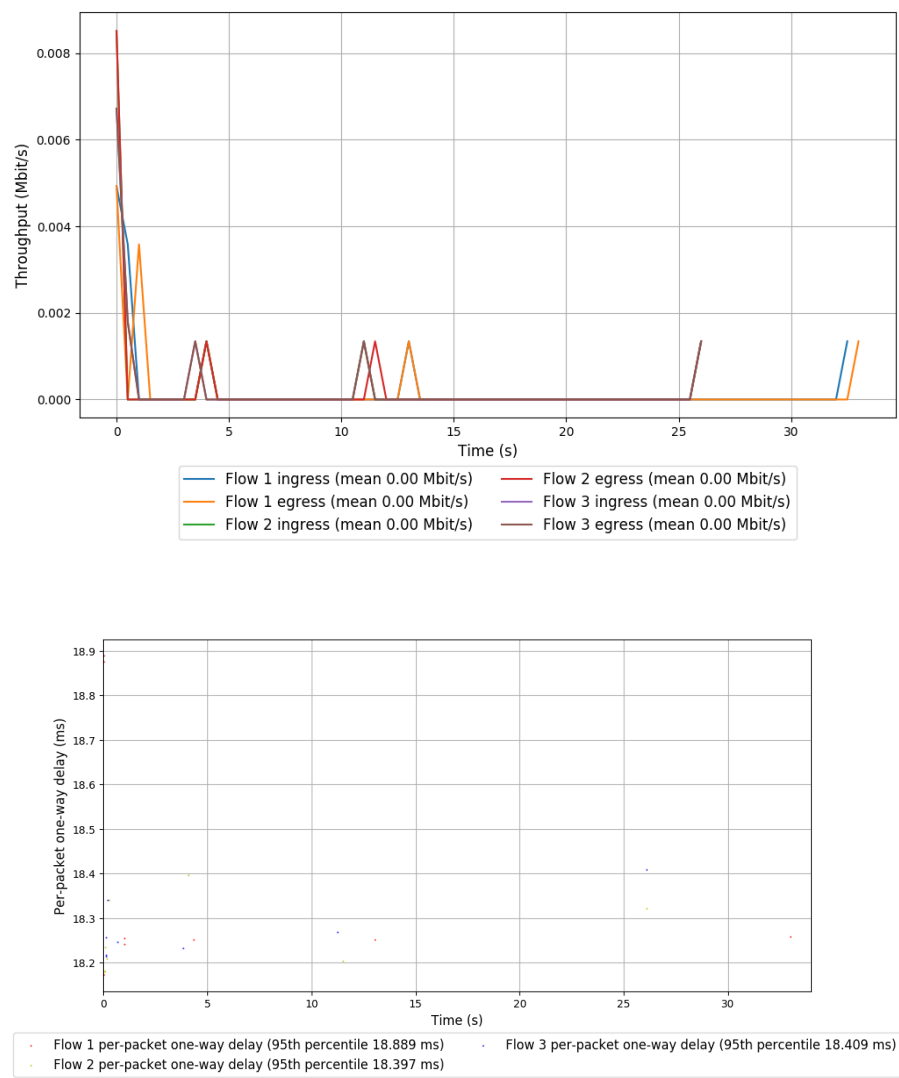
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.409 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:01:03 +0000

End at: Tue, 04 Jul 2017 22:01:33 +0000

Local clock offset: 0.114 ms

Remote clock offset: -14.652 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.59 Mbit/s

95th percentile per-packet one-way delay: 62.503 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 58.32 Mbit/s

95th percentile per-packet one-way delay: 39.675 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 22.07 Mbit/s

95th percentile per-packet one-way delay: 62.577 ms

Loss rate: 0.26%

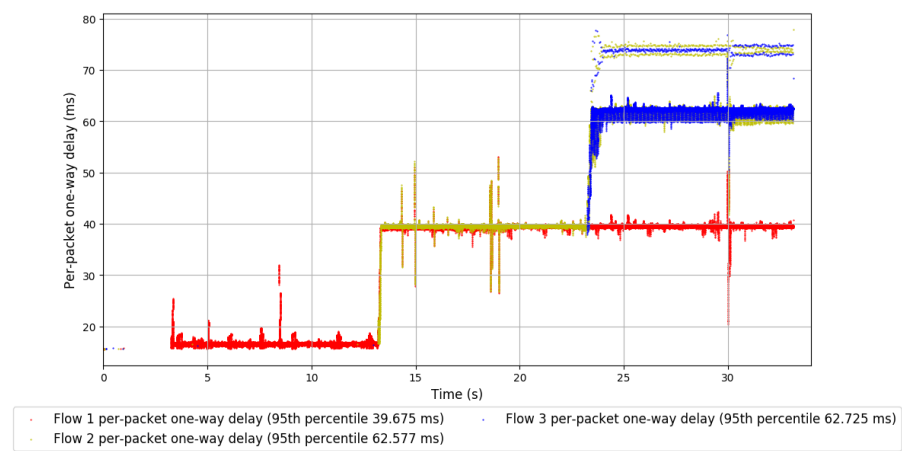
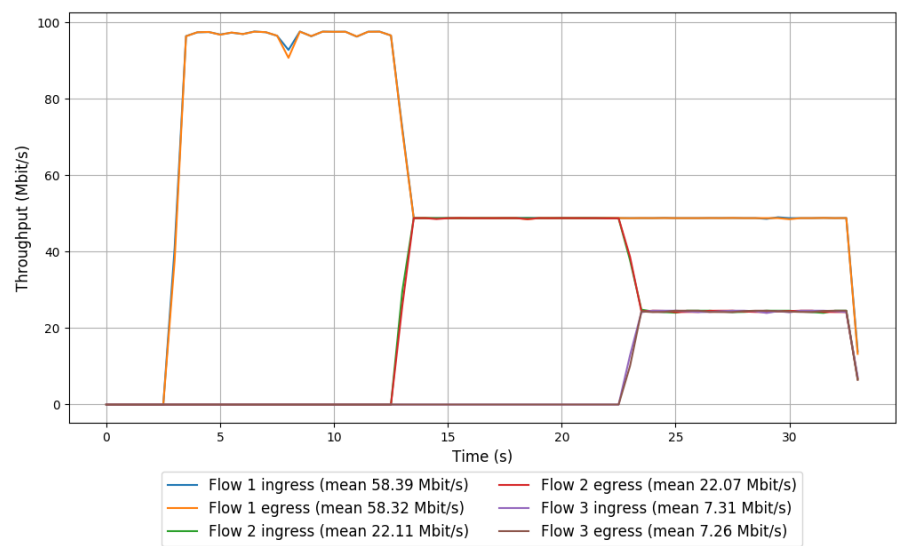
-- Flow 3:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 62.725 ms

Loss rate: 0.75%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:19:08 +0000

End at: Tue, 04 Jul 2017 22:19:38 +0000

Local clock offset: 0.075 ms

Remote clock offset: -15.197 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.14 Mbit/s

95th percentile per-packet one-way delay: 65.232 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 49.96 Mbit/s

95th percentile per-packet one-way delay: 65.191 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 30.73 Mbit/s

95th percentile per-packet one-way delay: 42.613 ms

Loss rate: 0.27%

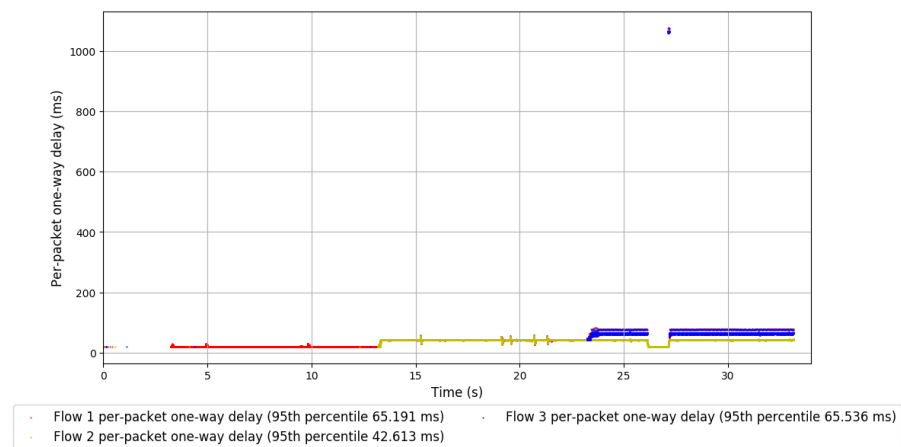
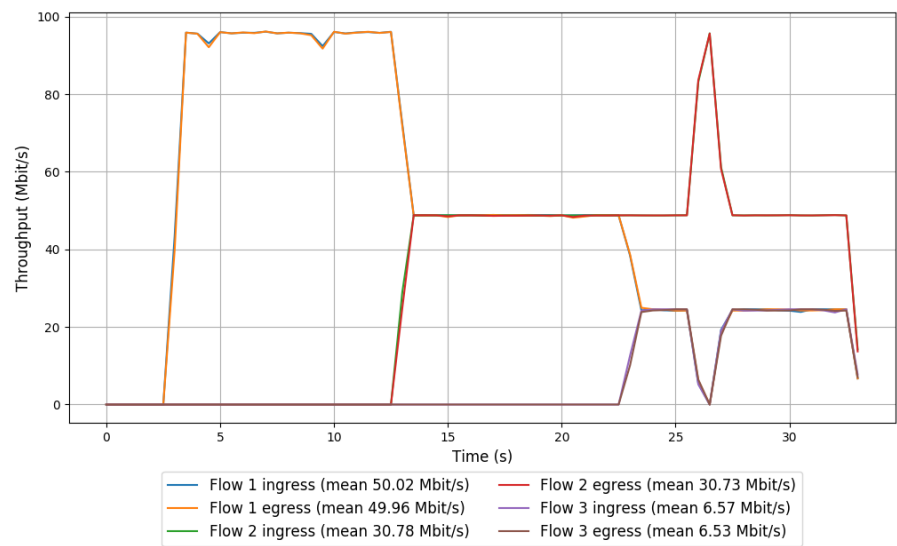
-- Flow 3:

Average throughput: 6.53 Mbit/s

95th percentile per-packet one-way delay: 65.536 ms

Loss rate: 0.87%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:37:07 +0000

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

Local clock offset: -0.033 ms

Remote clock offset: -12.673 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:56:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.28 Mbit/s

95th percentile per-packet one-way delay: 66.349 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 55.75 Mbit/s

95th percentile per-packet one-way delay: 66.320 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 66.484 ms

Loss rate: 0.22%

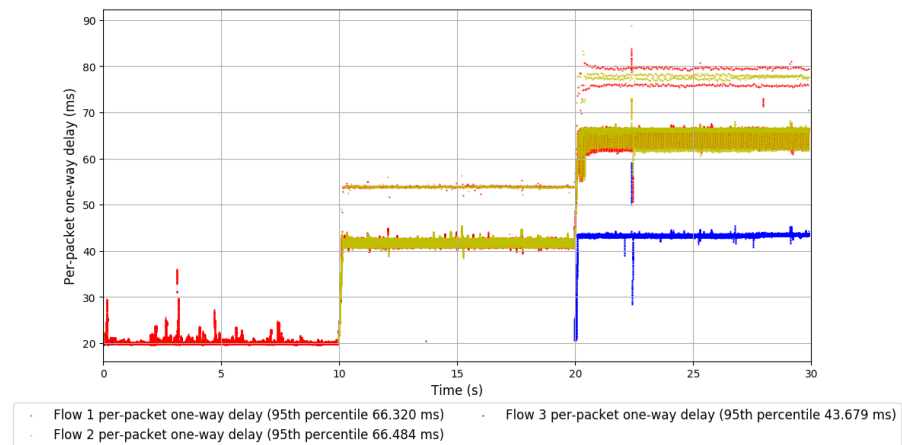
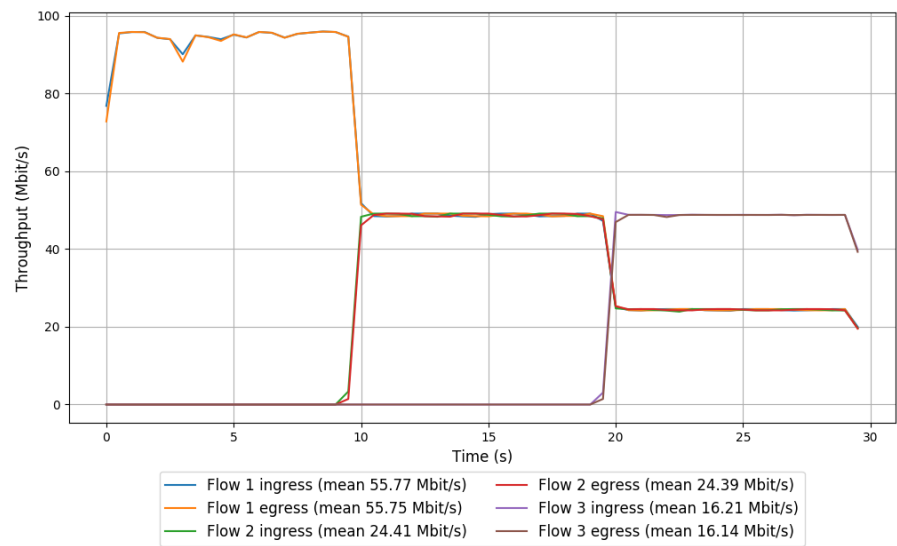
-- Flow 3:

Average throughput: 16.14 Mbit/s

95th percentile per-packet one-way delay: 43.679 ms

Loss rate: 0.54%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:55:16 +0000

End at: Tue, 04 Jul 2017 22:55:46 +0000

Local clock offset: 0.769 ms

Remote clock offset: -13.886 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 54.699 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 53.03 Mbit/s

95th percentile per-packet one-way delay: 54.636 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 24.50 Mbit/s

95th percentile per-packet one-way delay: 54.722 ms

Loss rate: 0.27%

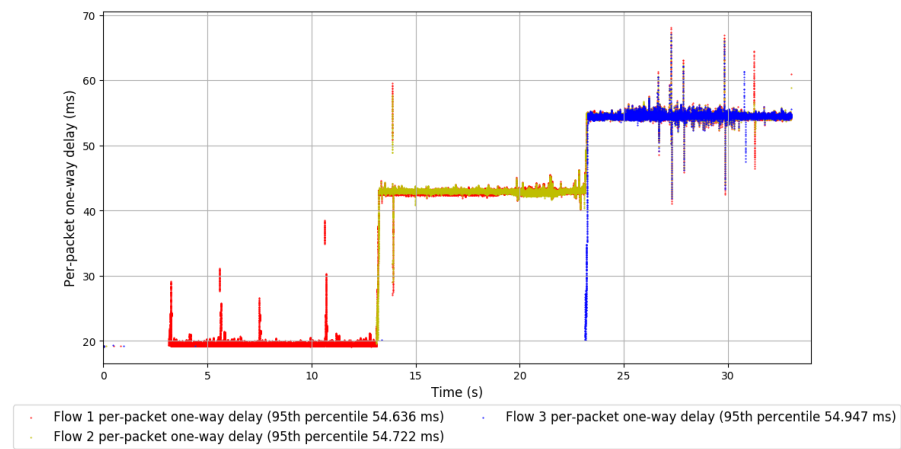
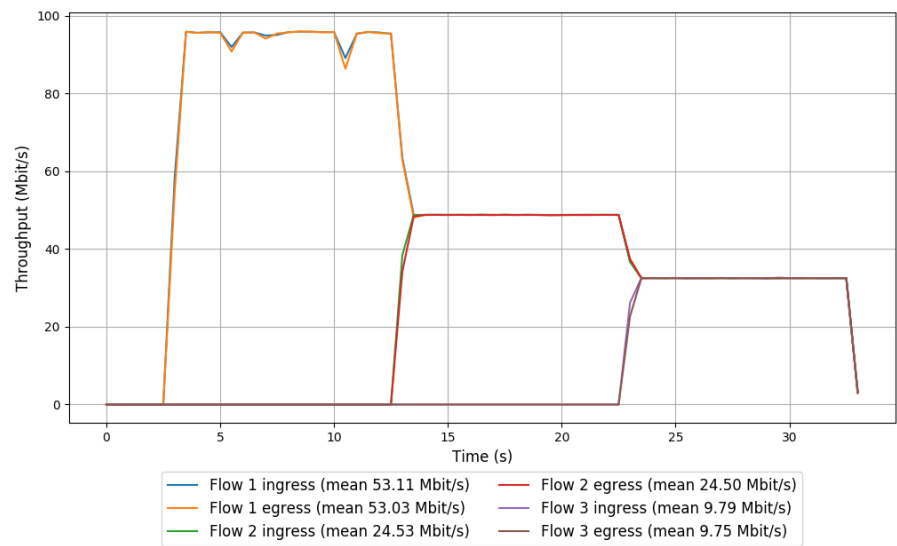
-- Flow 3:

Average throughput: 9.75 Mbit/s

95th percentile per-packet one-way delay: 54.947 ms

Loss rate: 0.60%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

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

End at: Tue, 04 Jul 2017 23:13:53 +0000

Local clock offset: 1.863 ms

Remote clock offset: -13.024 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.48 Mbit/s

95th percentile per-packet one-way delay: 66.461 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 51.45 Mbit/s

95th percentile per-packet one-way delay: 66.425 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 29.71 Mbit/s

95th percentile per-packet one-way delay: 43.675 ms

Loss rate: 0.25%

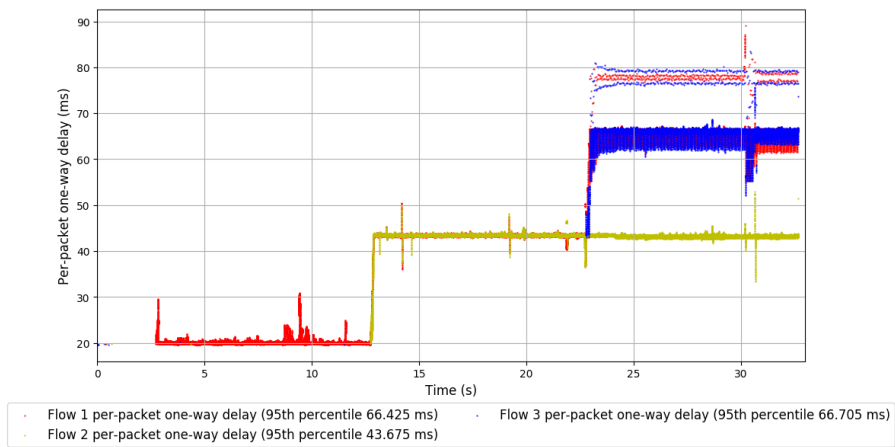
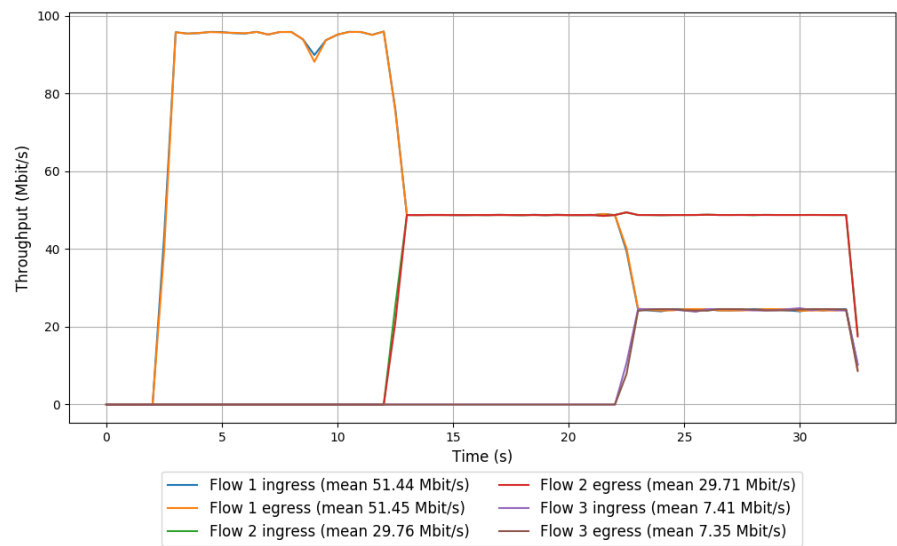
-- Flow 3:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 66.705 ms

Loss rate: 0.99%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Tue, 04 Jul 2017 23:31:29 +0000

End at: Tue, 04 Jul 2017 23:31:59 +0000

Local clock offset: -1.875 ms

Remote clock offset: -11.895 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.99 Mbit/s

95th percentile per-packet one-way delay: 66.326 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 50.43 Mbit/s

95th percentile per-packet one-way delay: 66.278 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 22.04 Mbit/s

95th percentile per-packet one-way delay: 66.477 ms

Loss rate: 0.23%

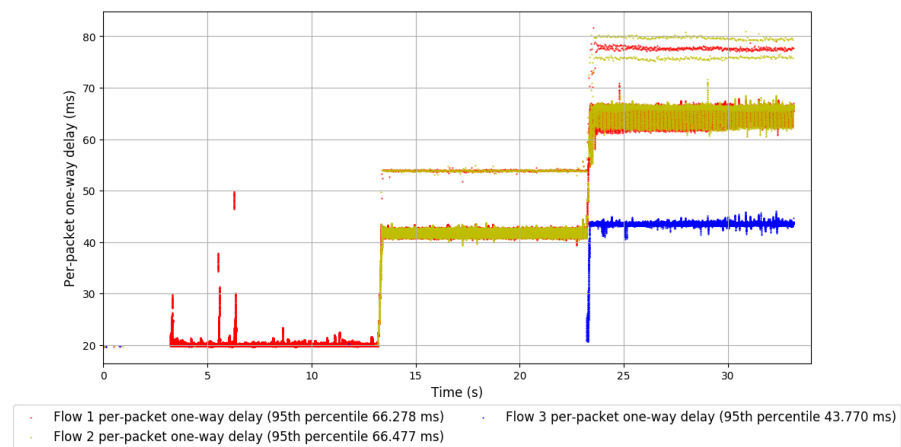
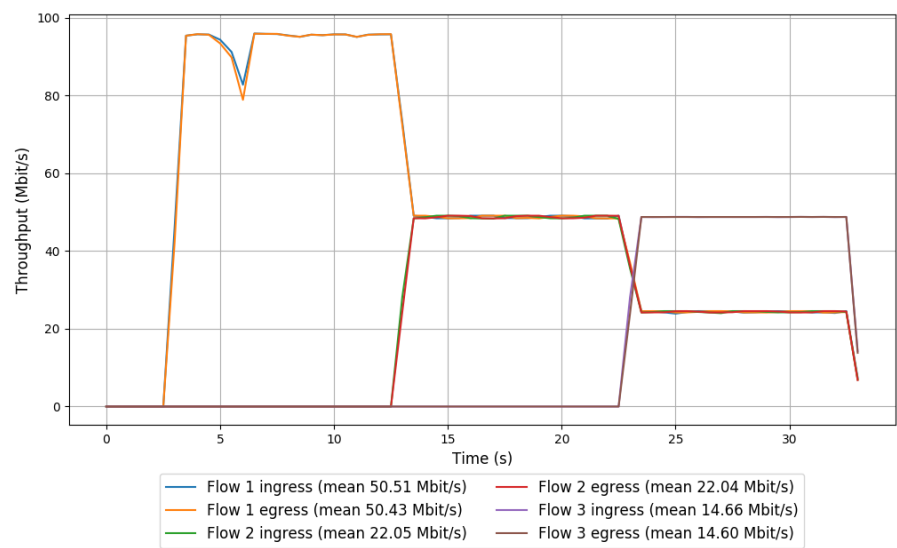
-- Flow 3:

Average throughput: 14.60 Mbit/s

95th percentile per-packet one-way delay: 43.770 ms

Loss rate: 0.49%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

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

End at: Tue, 04 Jul 2017 23:50:07 +0000

Local clock offset: 1.613 ms

Remote clock offset: -12.86 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.12 Mbit/s

95th percentile per-packet one-way delay: 65.908 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 57.84 Mbit/s

95th percentile per-packet one-way delay: 43.050 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 22.08 Mbit/s

95th percentile per-packet one-way delay: 66.001 ms

Loss rate: 0.23%

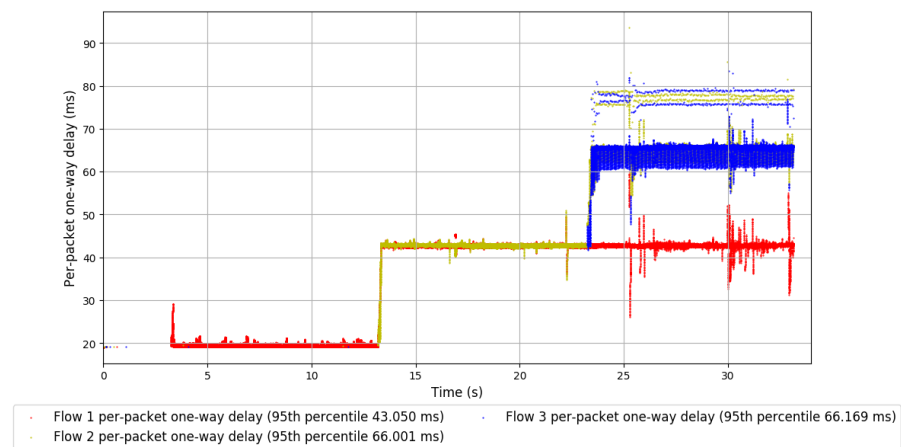
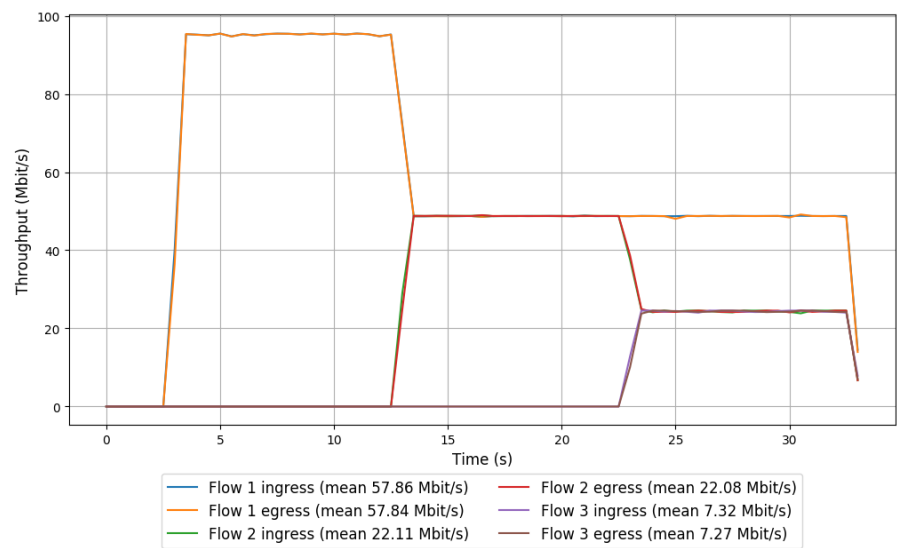
-- Flow 3:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 66.169 ms

Loss rate: 0.79%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Wed, 05 Jul 2017 00:07:27 +0000

End at: Wed, 05 Jul 2017 00:07:57 +0000

Local clock offset: 0.871 ms

Remote clock offset: -13.685 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 63.833 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 47.19 Mbit/s

95th percentile per-packet one-way delay: 63.822 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 29.96 Mbit/s

95th percentile per-packet one-way delay: 63.910 ms

Loss rate: 0.33%

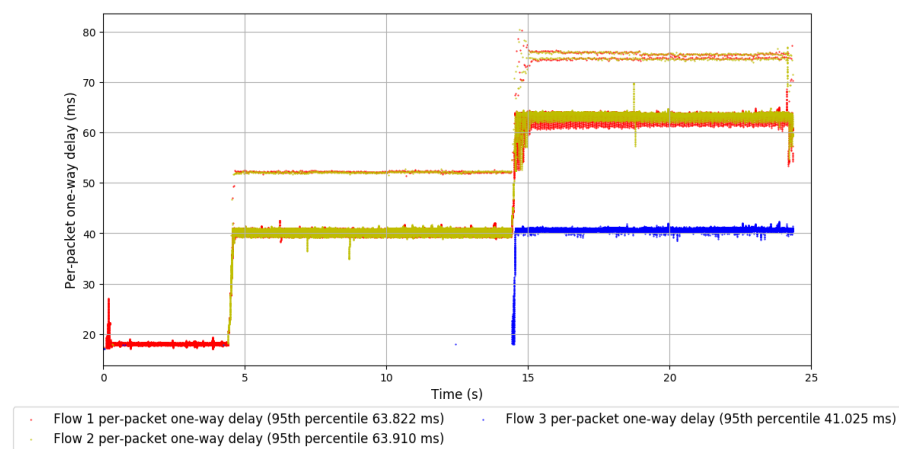
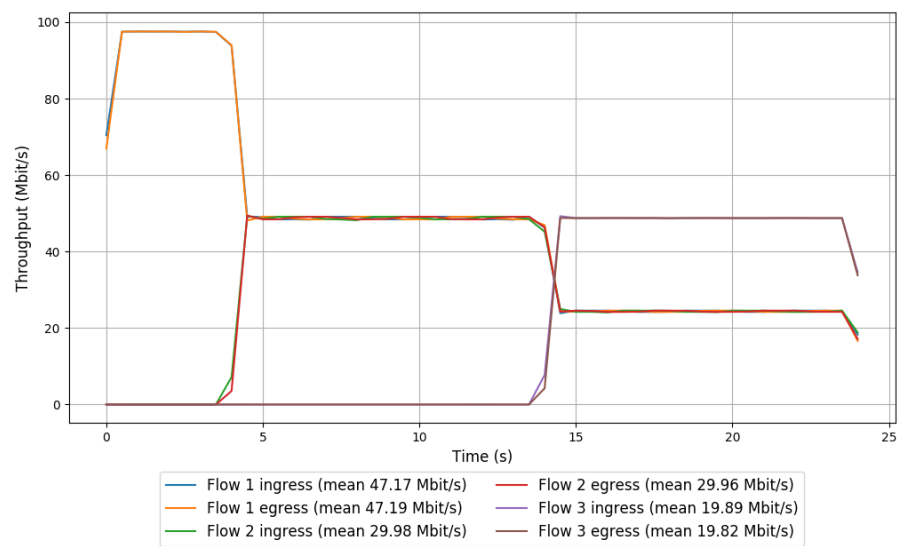
-- Flow 3:

Average throughput: 19.82 Mbit/s

95th percentile per-packet one-way delay: 41.025 ms

Loss rate: 0.49%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Wed, 05 Jul 2017 00:25:19 +0000

End at: Wed, 05 Jul 2017 00:25:49 +0000

Local clock offset: -0.562 ms

Remote clock offset: -12.297 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 53.260 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 52.05 Mbit/s

95th percentile per-packet one-way delay: 53.240 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 32.19 Mbit/s

95th percentile per-packet one-way delay: 53.259 ms

Loss rate: 0.24%

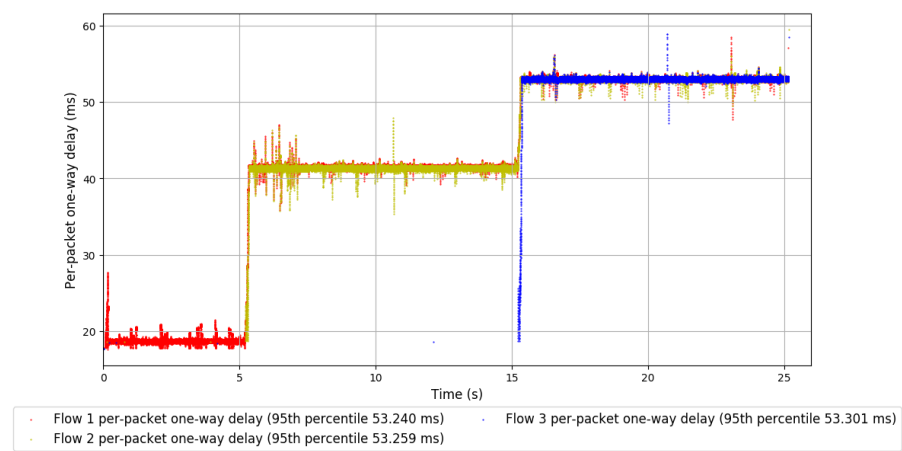
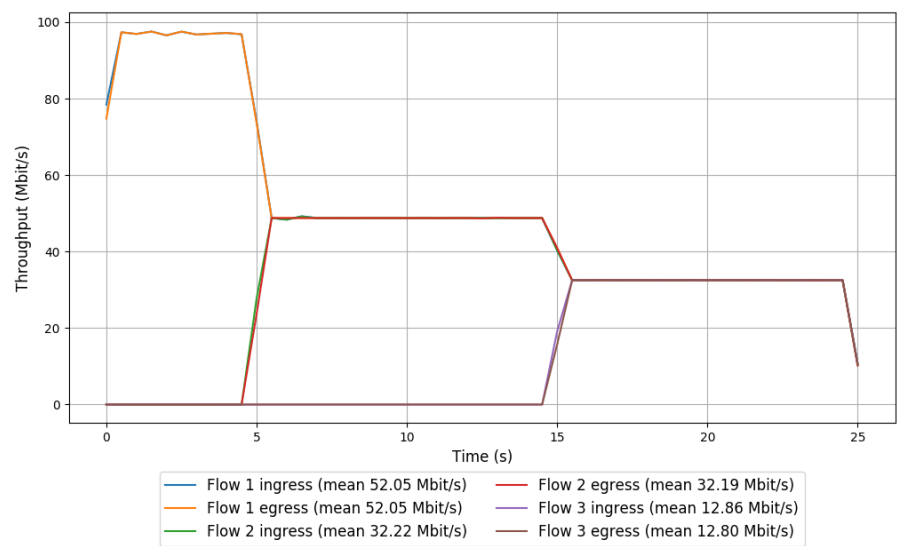
-- Flow 3:

Average throughput: 12.80 Mbit/s

95th percentile per-packet one-way delay: 53.301 ms

Loss rate: 0.59%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

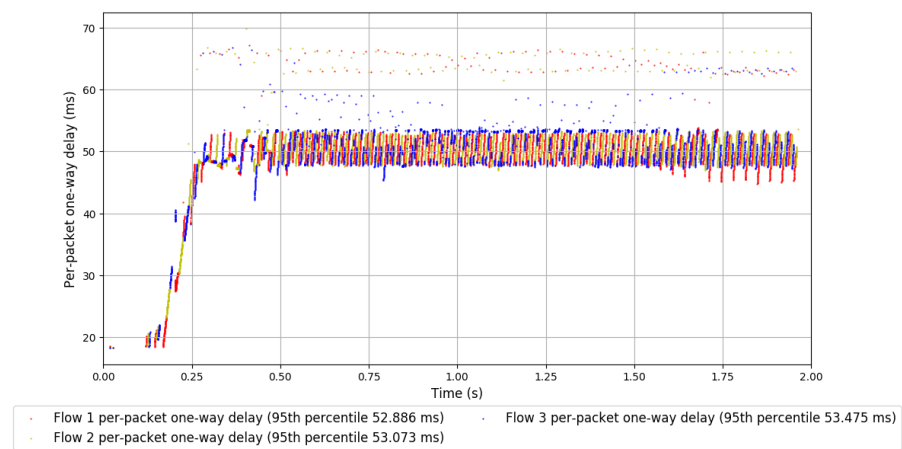
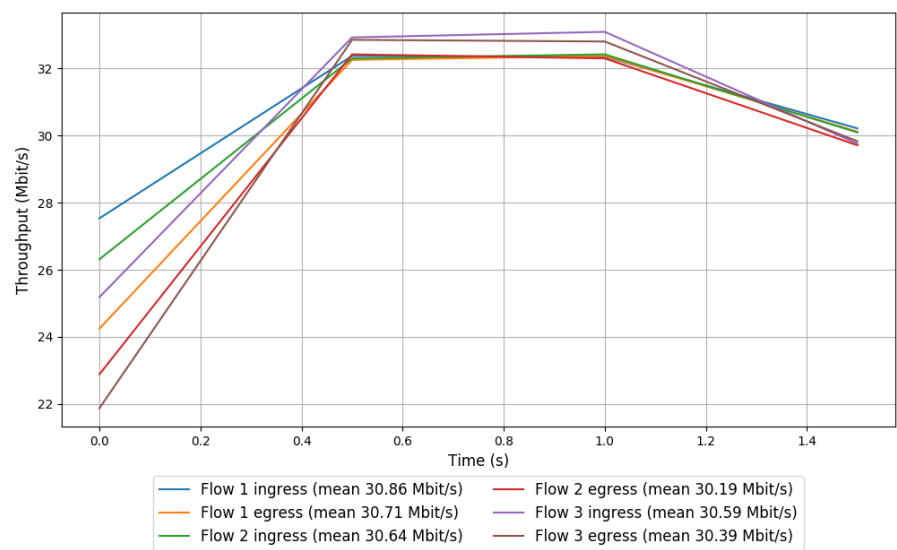
Start at: Wed, 05 Jul 2017 00:43:22 +0000

End at: Wed, 05 Jul 2017 00:43:52 +0000

Local clock offset: 2.107 ms

Remote clock offset: -12.556 ms

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

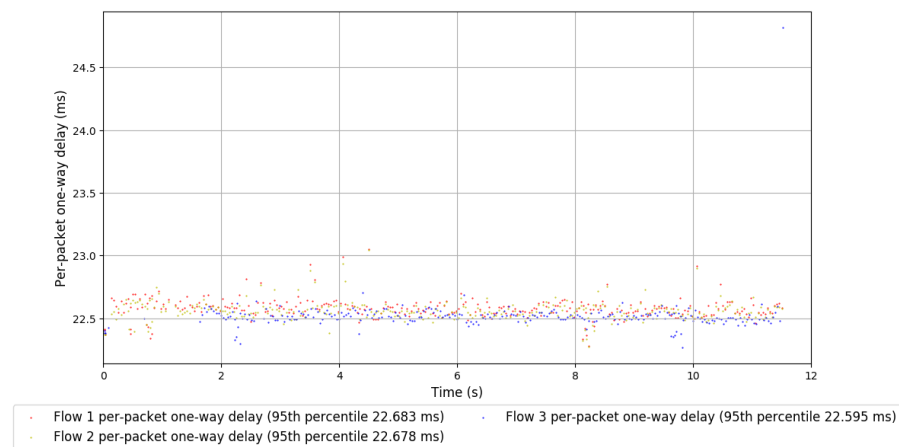
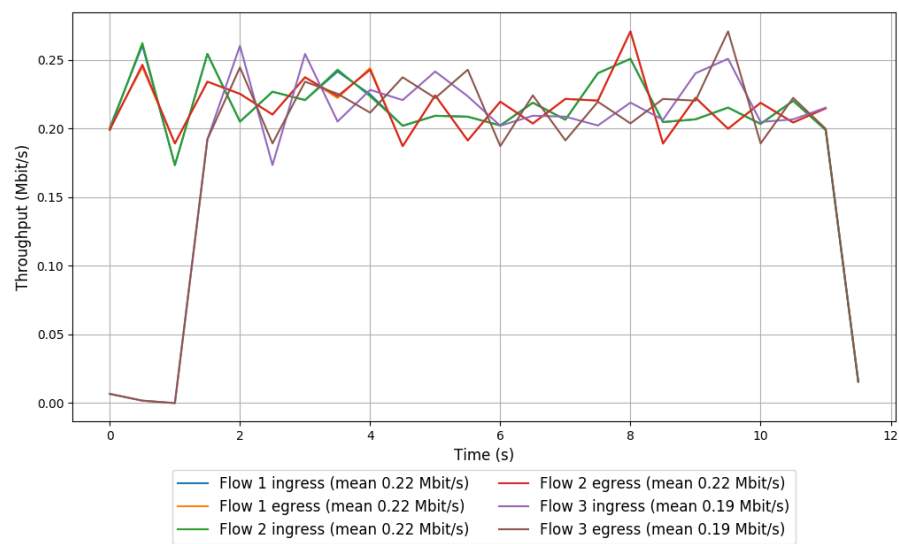
Start at: Tue, 04 Jul 2017 21:43:50 +0000

End at: Tue, 04 Jul 2017 21:44:20 +0000

Local clock offset: 1.663 ms

Remote clock offset: -17.591 ms

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

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

End at: Tue, 04 Jul 2017 22:02:48 +0000

Local clock offset: 2.034 ms

Remote clock offset: -16.215 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 16.040 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 16.038 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 16.050 ms

Loss rate: 0.19%

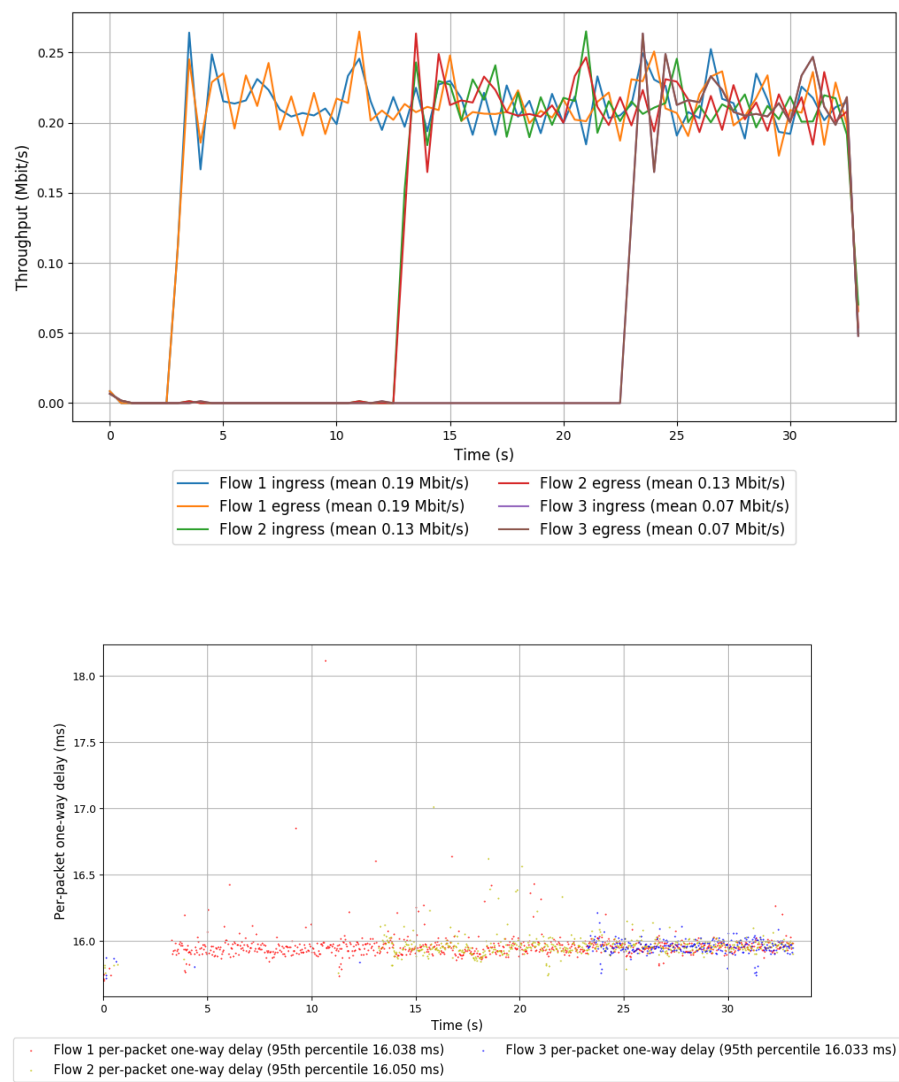
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 16.033 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 22:20:24 +0000

End at: Tue, 04 Jul 2017 22:20:54 +0000

Local clock offset: 2.157 ms

Remote clock offset: -14.967 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 18.952 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 18.940 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 18.961 ms

Loss rate: 0.20%

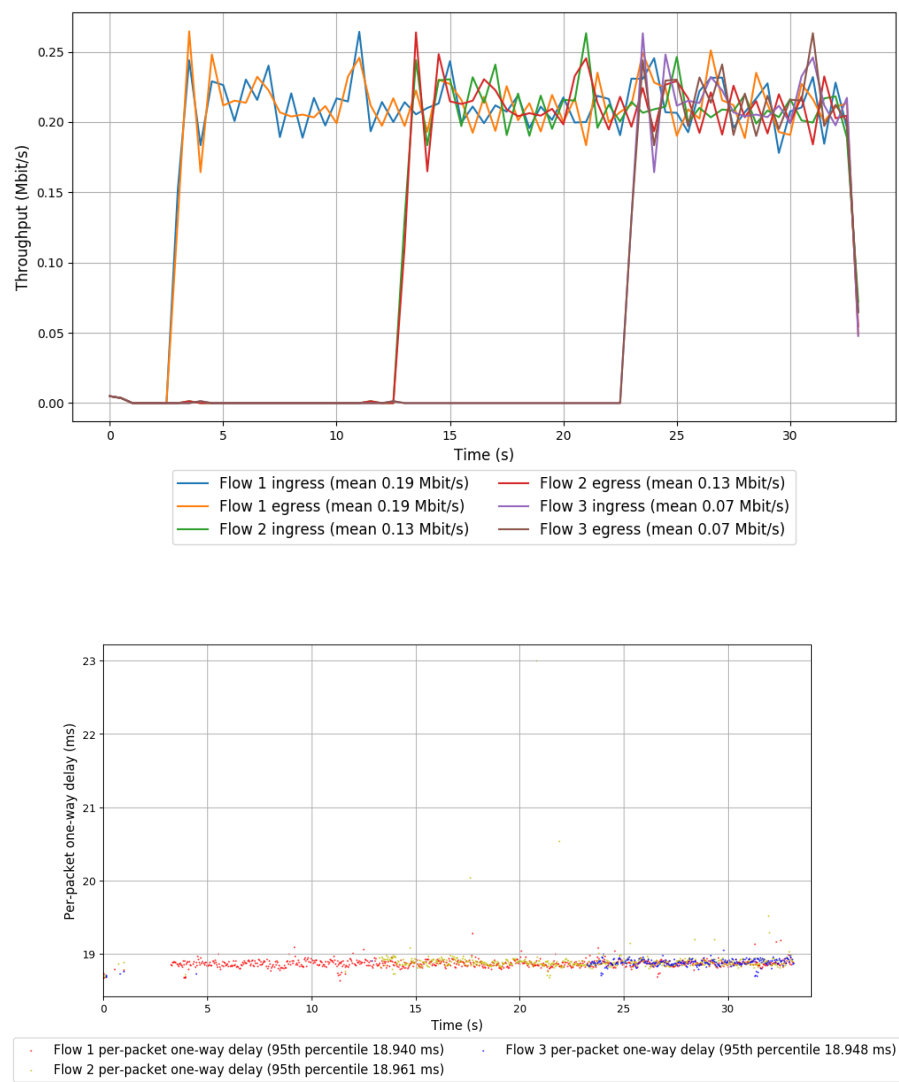
-- Flow 3:

Average throughput: 0.07 Mbit/s

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

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

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

End at: Tue, 04 Jul 2017 22:38:52 +0000

Local clock offset: -1.789 ms

Remote clock offset: -13.64 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 19.931 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 19.948 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 19.904 ms

Loss rate: 0.20%

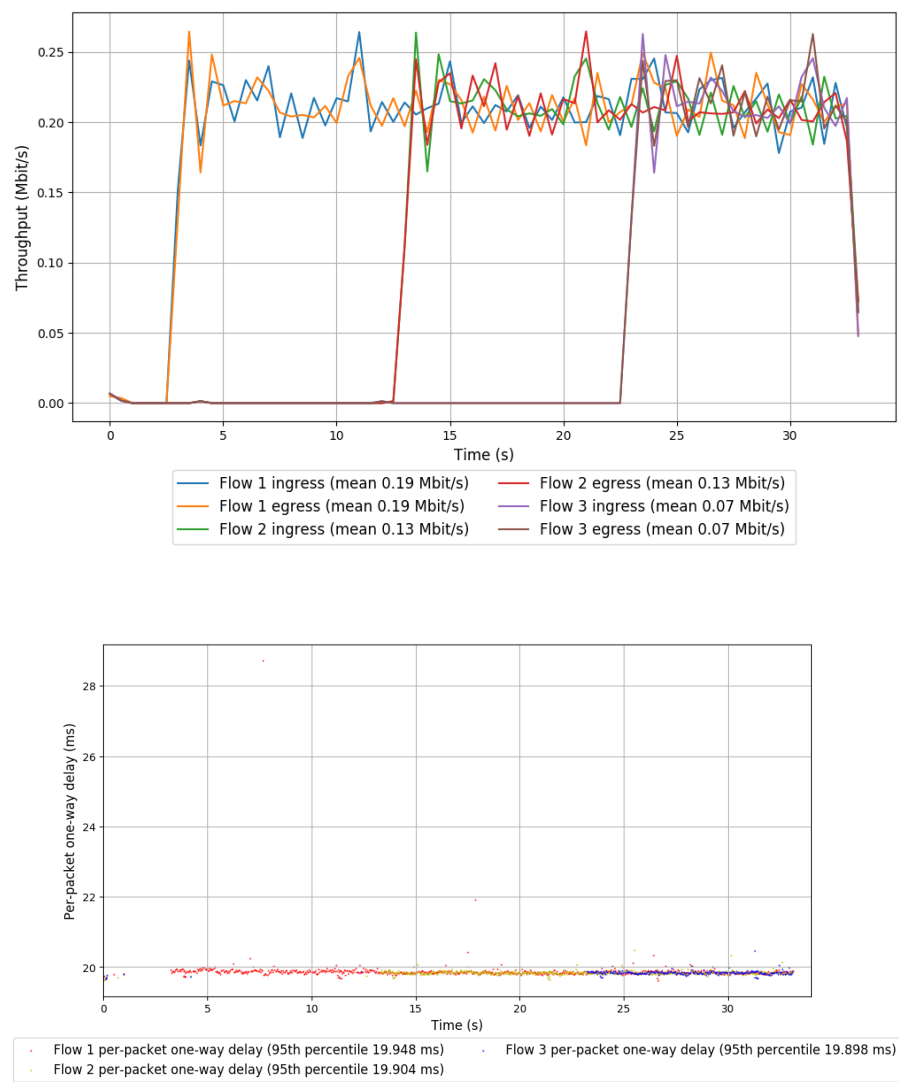
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 19.898 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 22:56:35 +0000

End at: Tue, 04 Jul 2017 22:57:05 +0000

Local clock offset: 0.117 ms

Remote clock offset: -16.419 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 19.370 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 19.374 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 19.374 ms

Loss rate: 0.00%

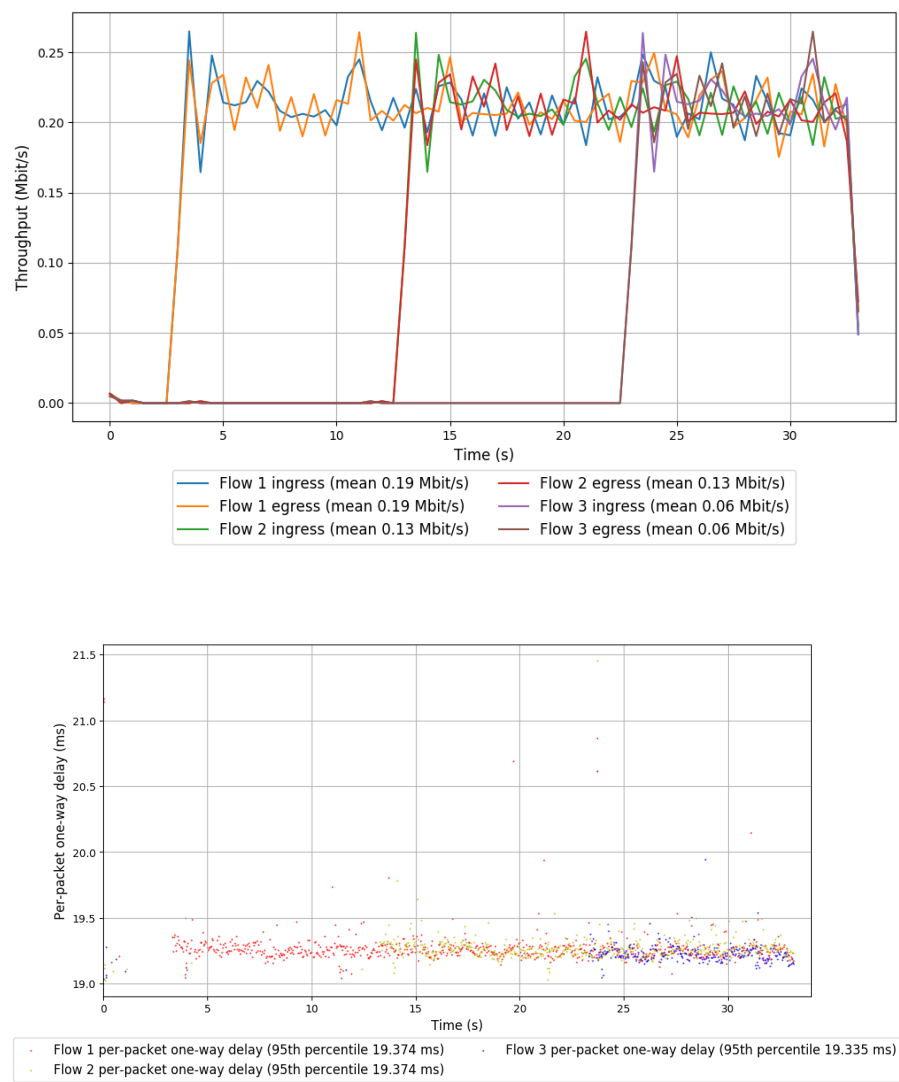
-- Flow 3:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 19.335 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:14:40 +0000

End at: Tue, 04 Jul 2017 23:15:10 +0000

Local clock offset: -1.53 ms

Remote clock offset: -12.468 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 19.898 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 19.900 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 19.880 ms

Loss rate: 0.20%

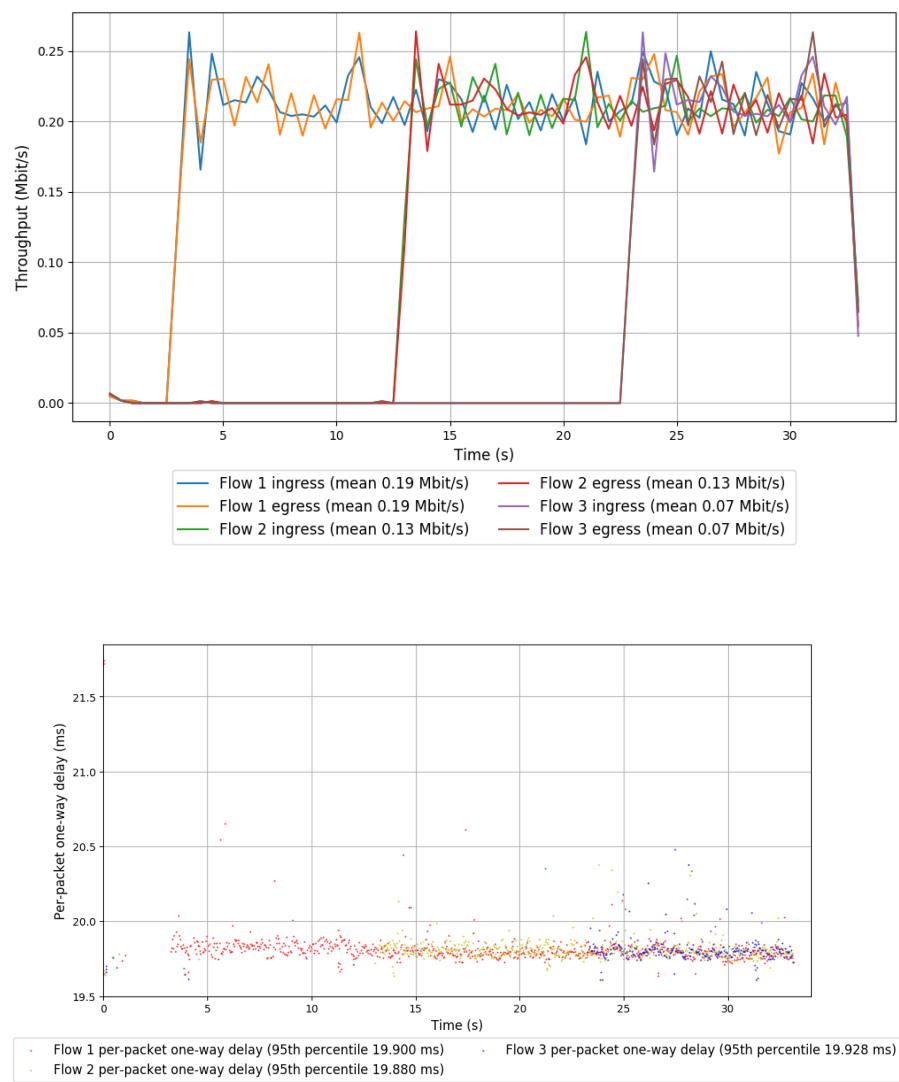
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 19.928 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:32:48 +0000

End at: Tue, 04 Jul 2017 23:33:18 +0000

Local clock offset: 2.06 ms

Remote clock offset: -12.527 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 20.233 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 20.223 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 20.367 ms

Loss rate: 0.20%

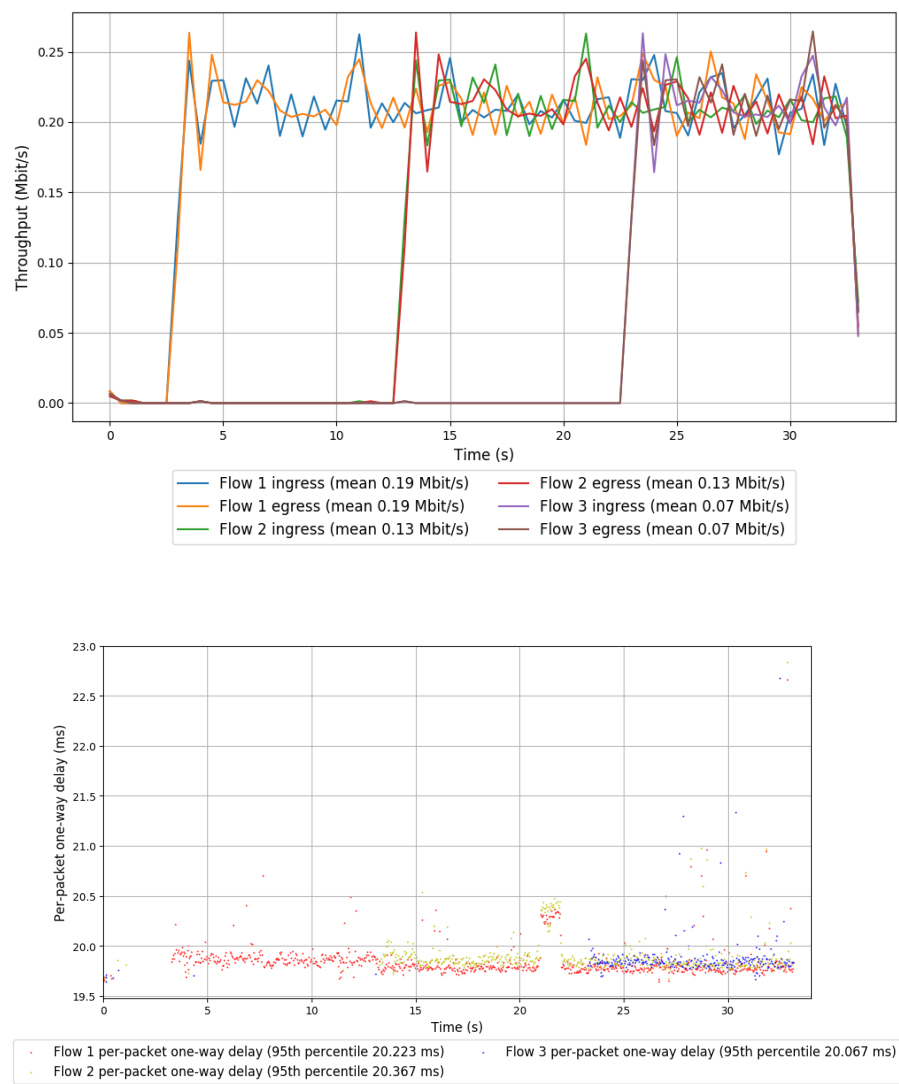
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 20.067 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:50:52 +0000

End at: Tue, 04 Jul 2017 23:51:22 +0000

Local clock offset: -1.506 ms

Remote clock offset: -12.986 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 18.118 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 18.128 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 18.118 ms

Loss rate: 0.20%

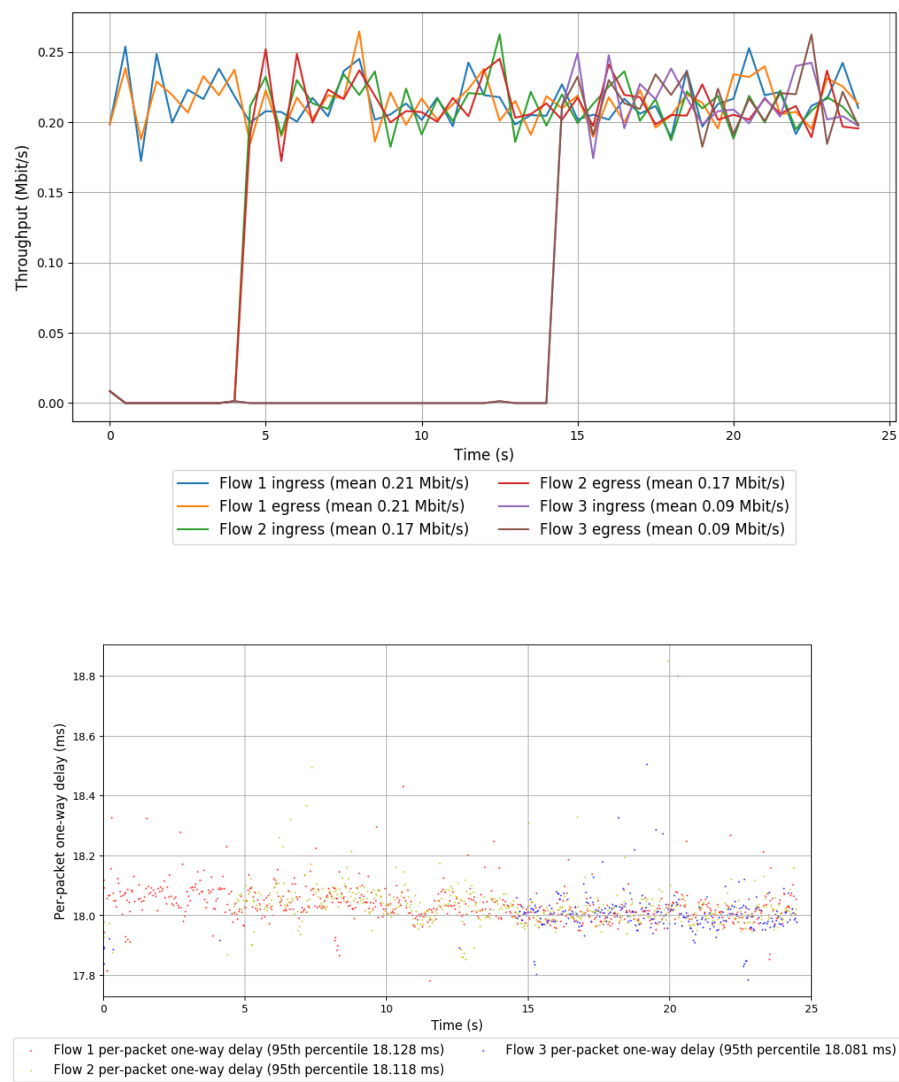
-- Flow 3:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 18.081 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 00:08:39 +0000

End at: Wed, 05 Jul 2017 00:09:09 +0000

Local clock offset: 3.002 ms

Remote clock offset: -13.356 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 17.346 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 17.350 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 17.341 ms

Loss rate: 0.20%

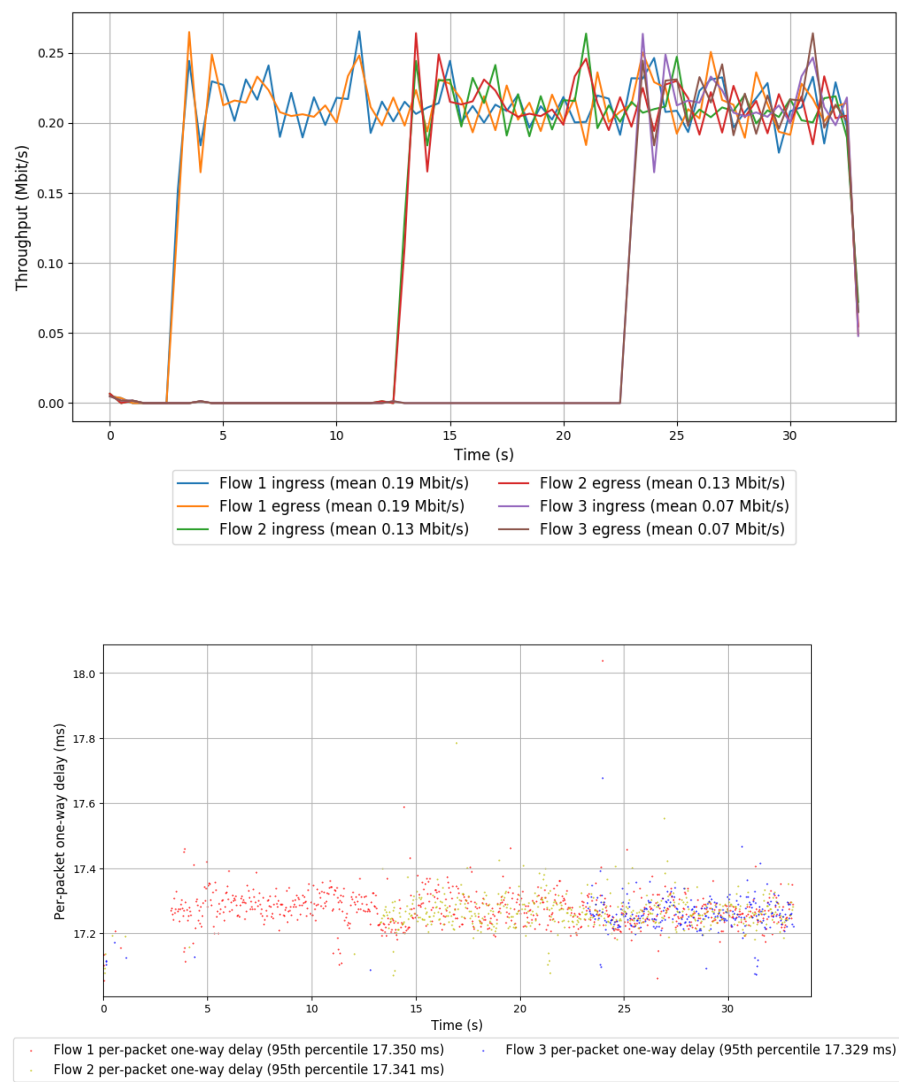
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 17.329 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Wed, 05 Jul 2017 00:26:32 +0000

End at: Wed, 05 Jul 2017 00:27:02 +0000

Local clock offset: 3.243 ms

Remote clock offset: -11.268 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 18.006 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 18.007 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 18.002 ms

Loss rate: 0.19%

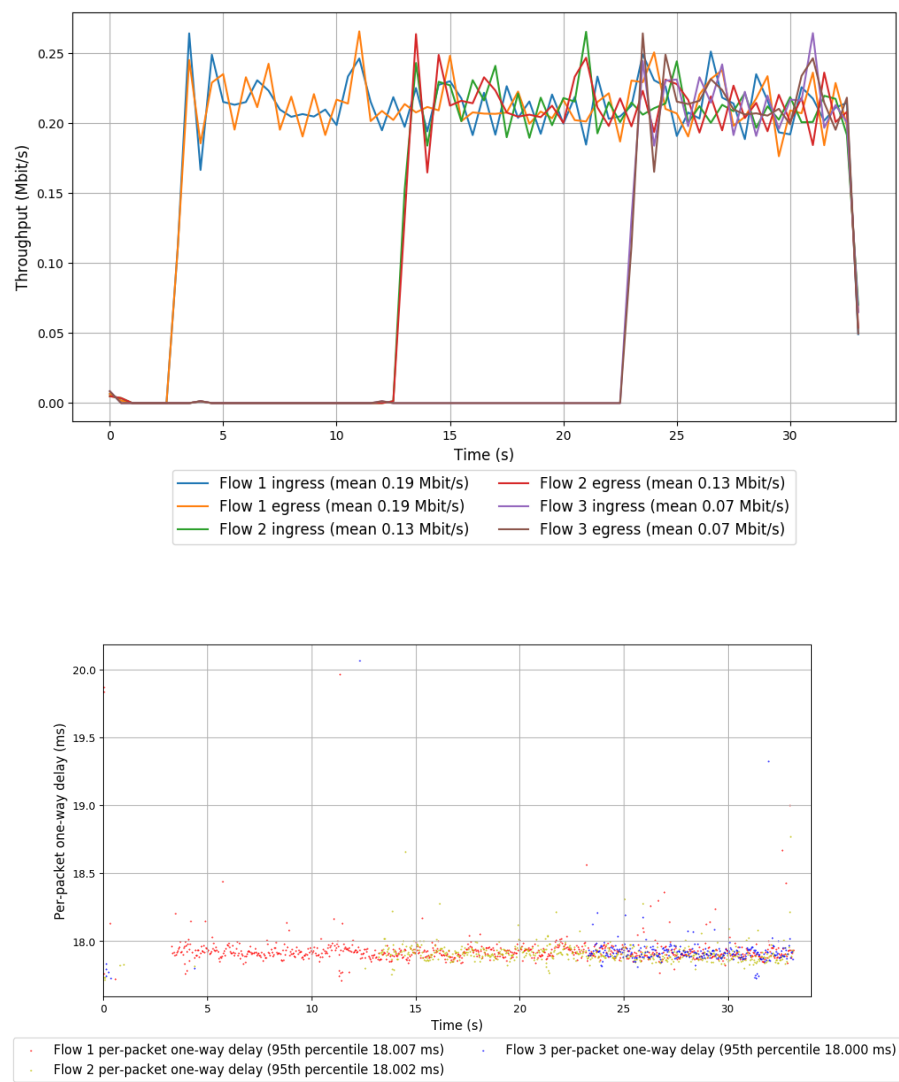
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 18.000 ms

Loss rate: 0.35%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Tue, 04 Jul 2017 21:47:33 +0000

End at: Tue, 04 Jul 2017 21:48:03 +0000

Local clock offset: 1.115 ms

Remote clock offset: -16.987 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.01 Mbit/s

95th percentile per-packet one-way delay: 31.896 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 21.41 Mbit/s

95th percentile per-packet one-way delay: 30.218 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 13.87 Mbit/s

95th percentile per-packet one-way delay: 33.025 ms

Loss rate: 0.17%

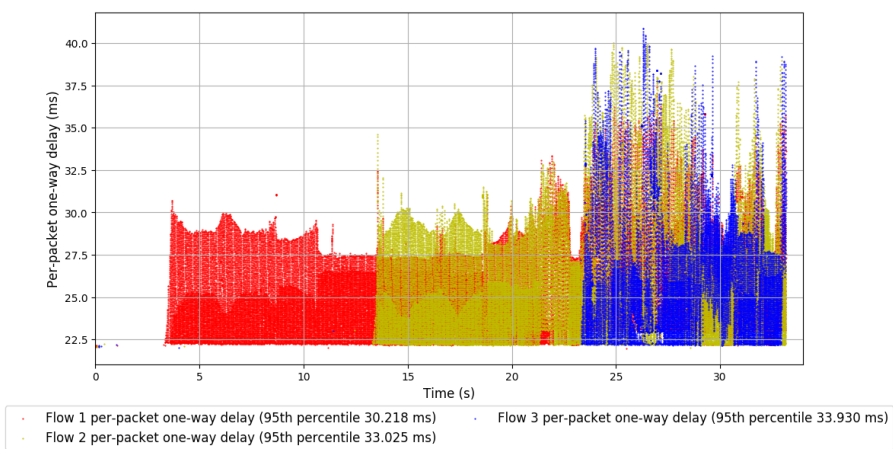
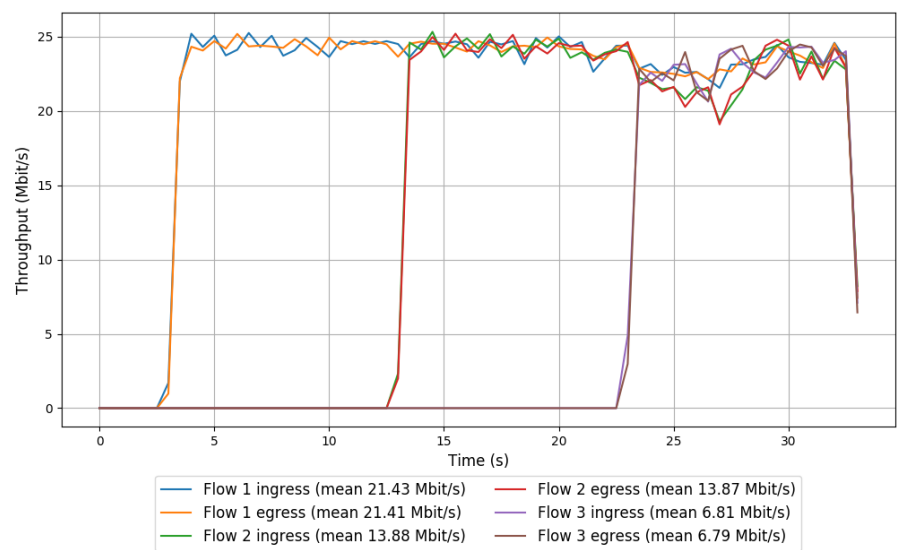
-- Flow 3:

Average throughput: 6.79 Mbit/s

95th percentile per-packet one-way delay: 33.930 ms

Loss rate: 0.42%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Tue, 04 Jul 2017 22:05:52 +0000

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

Local clock offset: 2.192 ms

Remote clock offset: -15.003 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.87 Mbit/s

95th percentile per-packet one-way delay: 27.783 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 22.06 Mbit/s

95th percentile per-packet one-way delay: 27.057 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 14.63 Mbit/s

95th percentile per-packet one-way delay: 28.388 ms

Loss rate: 0.09%

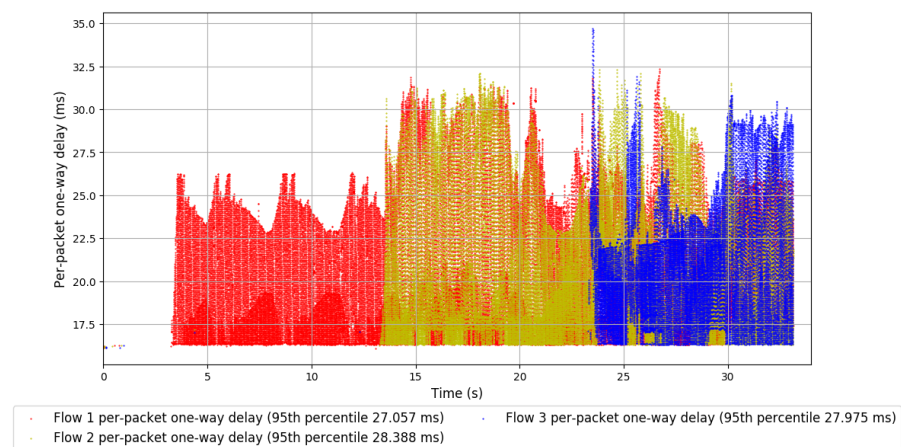
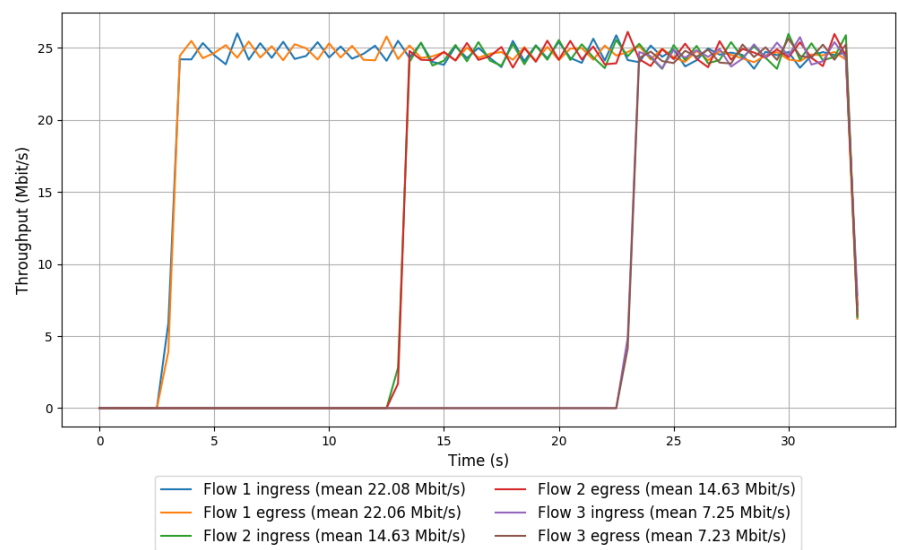
-- Flow 3:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 27.975 ms

Loss rate: 0.41%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Tue, 04 Jul 2017 22:23:55 +0000

End at: Tue, 04 Jul 2017 22:24:25 +0000

Local clock offset: 1.256 ms

Remote clock offset: -12.955 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.80 Mbit/s

95th percentile per-packet one-way delay: 28.855 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 22.04 Mbit/s

95th percentile per-packet one-way delay: 27.359 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 14.65 Mbit/s

95th percentile per-packet one-way delay: 29.261 ms

Loss rate: 0.13%

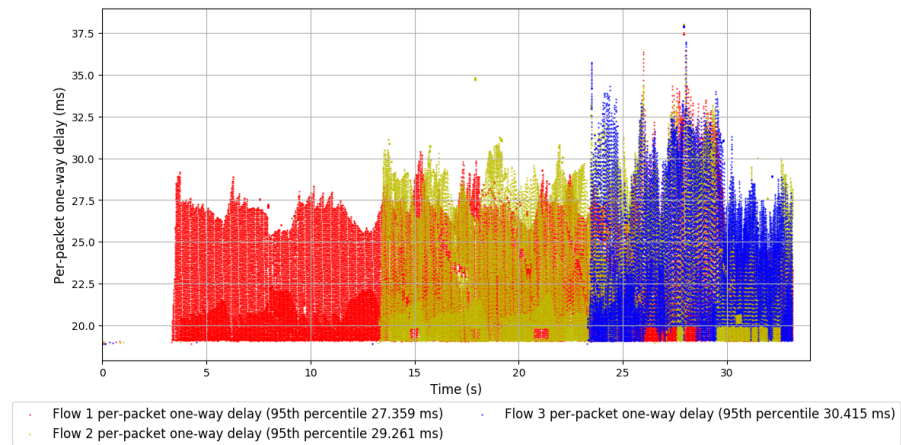
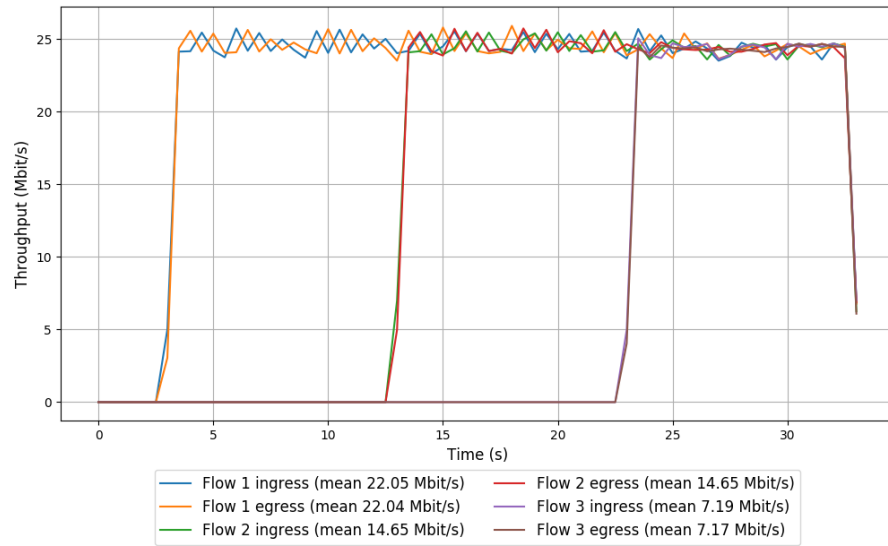
-- Flow 3:

Average throughput: 7.17 Mbit/s

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

Loss rate: 0.41%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Tue, 04 Jul 2017 22:41:55 +0000

End at: Tue, 04 Jul 2017 22:42:25 +0000

Local clock offset: 1.552 ms

Remote clock offset: -13.707 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.69 Mbit/s

95th percentile per-packet one-way delay: 31.103 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 22.04 Mbit/s

95th percentile per-packet one-way delay: 30.387 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 14.58 Mbit/s

95th percentile per-packet one-way delay: 31.386 ms

Loss rate: 0.09%

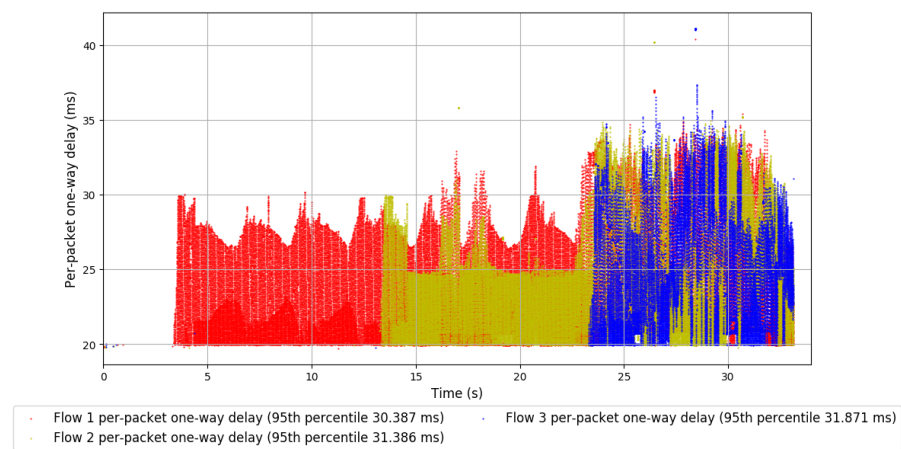
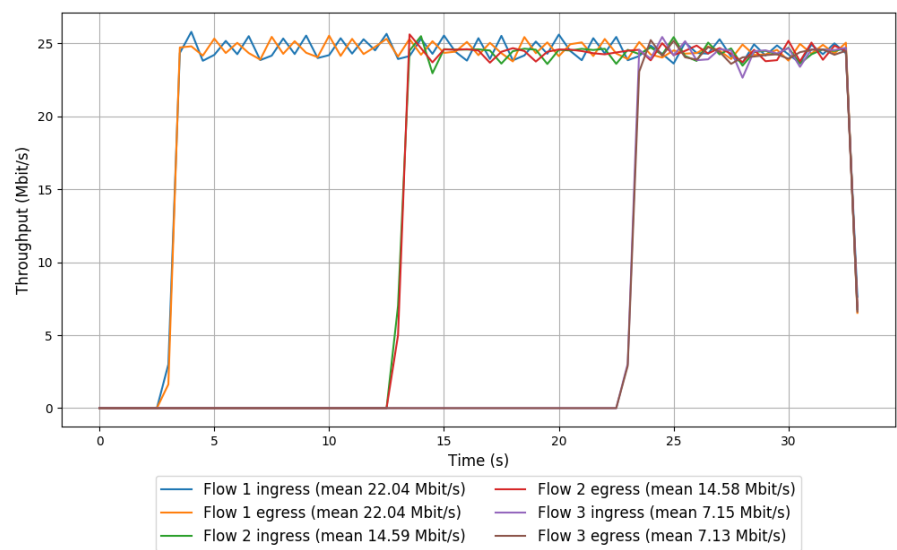
-- Flow 3:

Average throughput: 7.13 Mbit/s

95th percentile per-packet one-way delay: 31.871 ms

Loss rate: 0.37%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:00:08 +0000

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

Local clock offset: 1.811 ms

Remote clock offset: -13.8 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:57:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.81 Mbit/s

95th percentile per-packet one-way delay: 28.681 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 22.09 Mbit/s

95th percentile per-packet one-way delay: 27.496 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 14.55 Mbit/s

95th percentile per-packet one-way delay: 28.212 ms

Loss rate: 0.11%

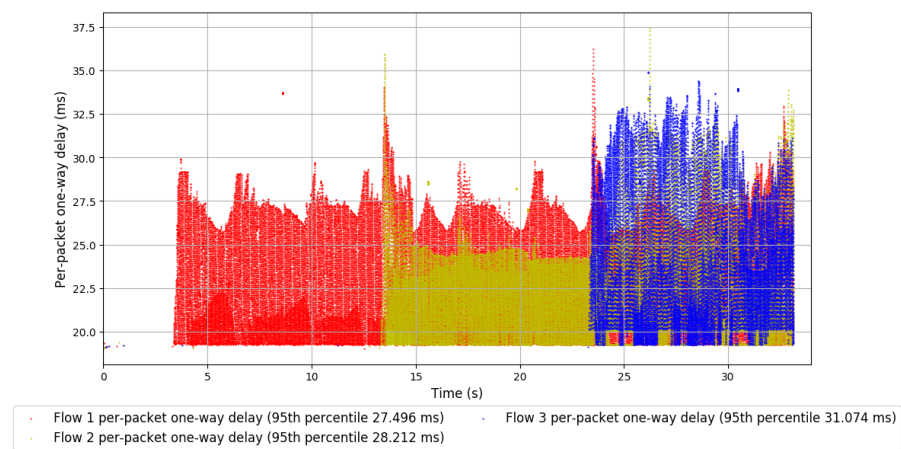
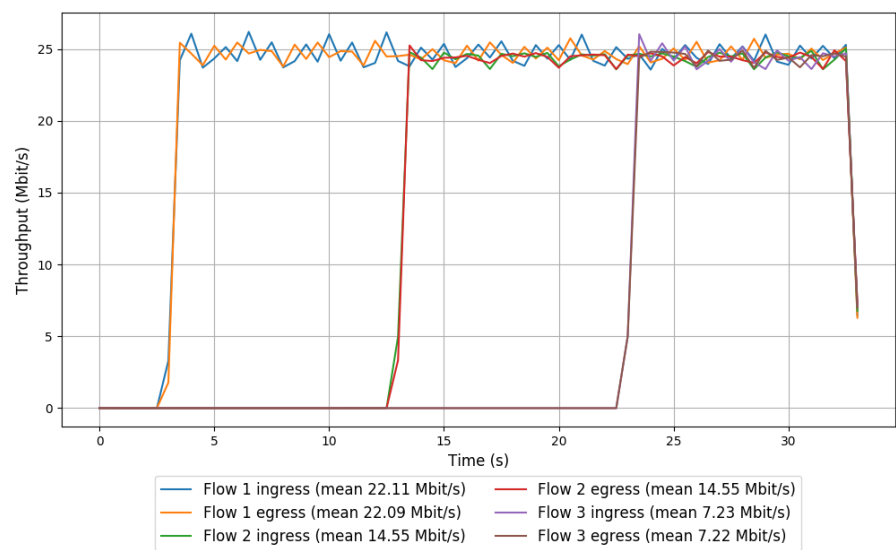
-- Flow 3:

Average throughput: 7.22 Mbit/s

95th percentile per-packet one-way delay: 31.074 ms

Loss rate: 0.26%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:18:15 +0000

End at: Tue, 04 Jul 2017 23:18:45 +0000

Local clock offset: 1.205 ms

Remote clock offset: -11.963 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:58:01 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.90 Mbit/s

95th percentile per-packet one-way delay: 29.458 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 22.06 Mbit/s

95th percentile per-packet one-way delay: 29.333 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 14.62 Mbit/s

95th percentile per-packet one-way delay: 29.214 ms

Loss rate: 0.26%

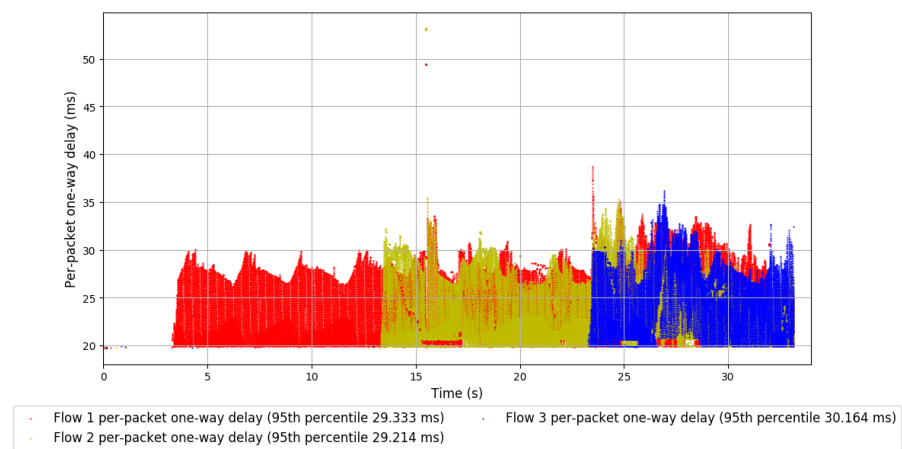
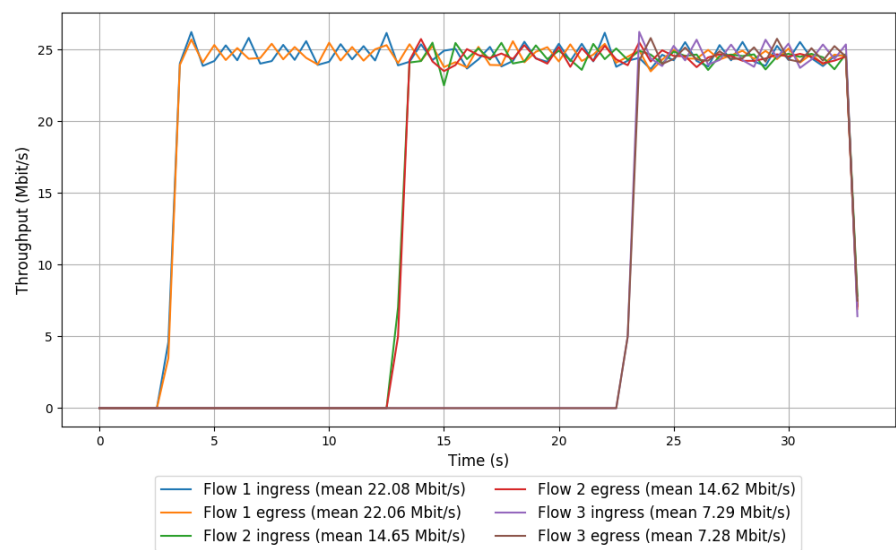
-- Flow 3:

Average throughput: 7.28 Mbit/s

95th percentile per-packet one-way delay: 30.164 ms

Loss rate: 0.13%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:36:22 +0000

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

Local clock offset: 0.193 ms

Remote clock offset: -12.495 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:58:05 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.76 Mbit/s

95th percentile per-packet one-way delay: 29.188 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 22.09 Mbit/s

95th percentile per-packet one-way delay: 29.347 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 14.59 Mbit/s

95th percentile per-packet one-way delay: 29.070 ms

Loss rate: 0.25%

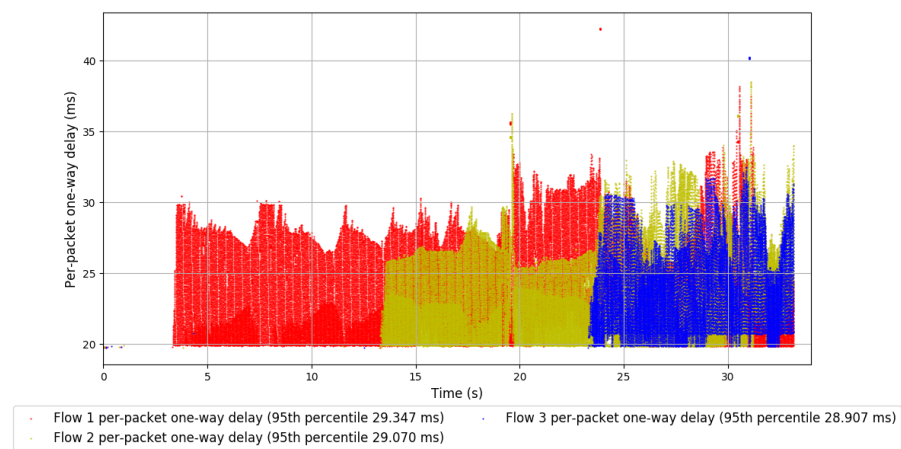
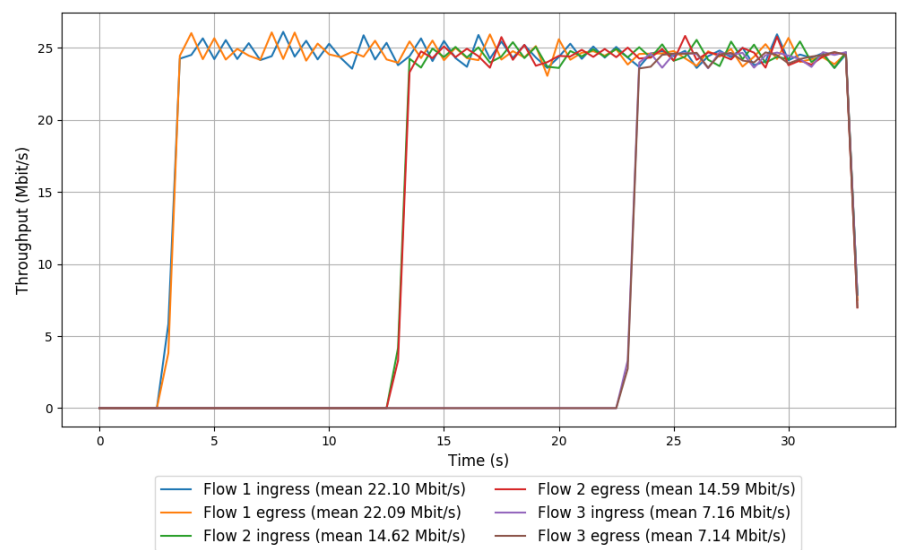
-- Flow 3:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 28.907 ms

Loss rate: 0.41%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:54:22 +0000

End at: Tue, 04 Jul 2017 23:54:52 +0000

Local clock offset: 1.961 ms

Remote clock offset: -14.168 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:58:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.88 Mbit/s

95th percentile per-packet one-way delay: 27.227 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 22.07 Mbit/s

95th percentile per-packet one-way delay: 26.184 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 14.61 Mbit/s

95th percentile per-packet one-way delay: 26.816 ms

Loss rate: 0.21%

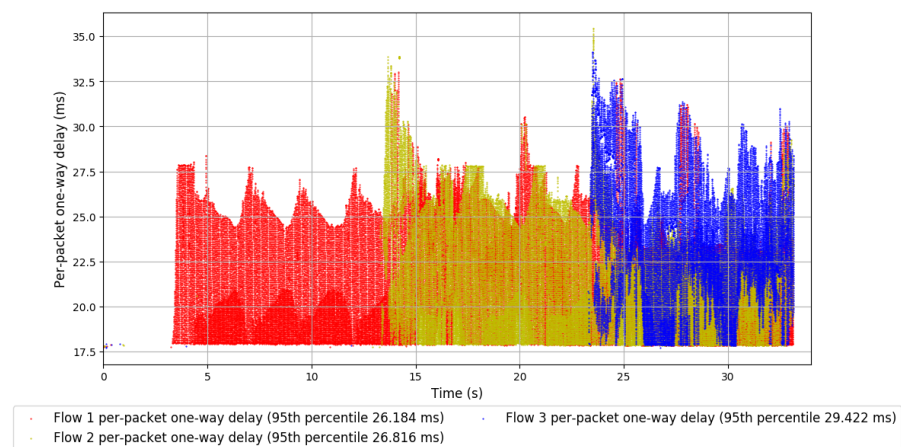
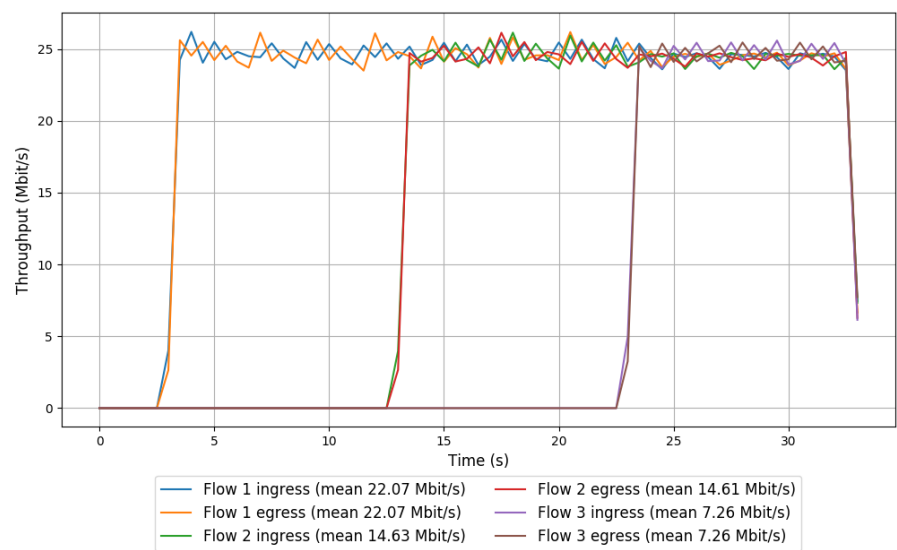
-- Flow 3:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 29.422 ms

Loss rate: 0.04%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Wed, 05 Jul 2017 00:12:10 +0000

End at: Wed, 05 Jul 2017 00:12:40 +0000

Local clock offset: 0.889 ms

Remote clock offset: -13.341 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:58:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.79 Mbit/s

95th percentile per-packet one-way delay: 26.975 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 22.09 Mbit/s

95th percentile per-packet one-way delay: 26.550 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 14.57 Mbit/s

95th percentile per-packet one-way delay: 25.727 ms

Loss rate: 0.08%

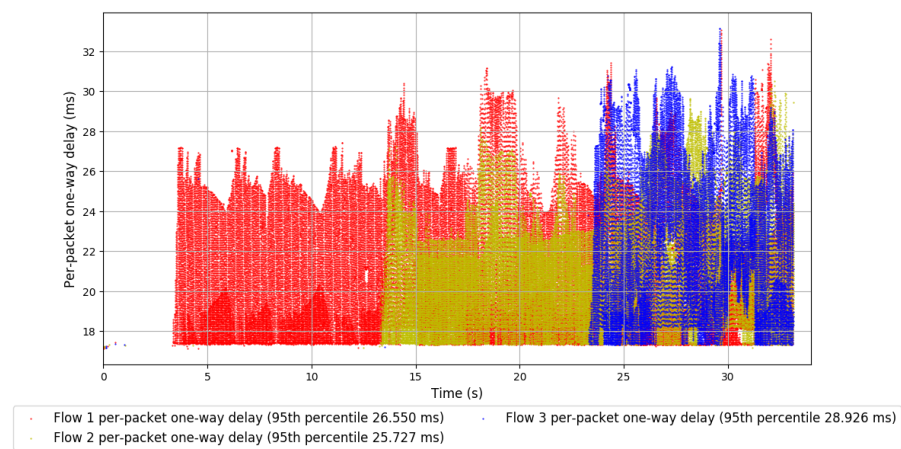
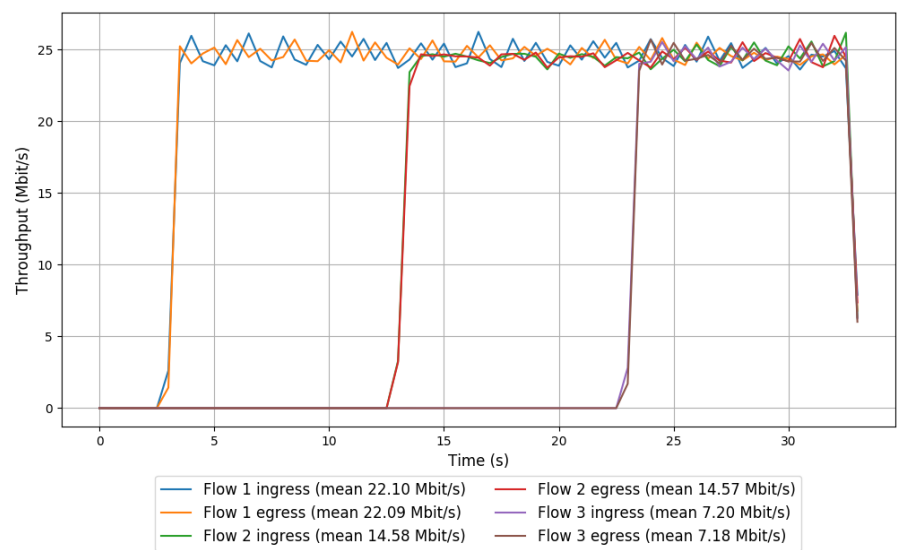
-- Flow 3:

Average throughput: 7.18 Mbit/s

95th percentile per-packet one-way delay: 28.926 ms

Loss rate: 0.38%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Wed, 05 Jul 2017 00:30:03 +0000

End at: Wed, 05 Jul 2017 00:30:33 +0000

Local clock offset: 2.776 ms

Remote clock offset: -11.35 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:58:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.92 Mbit/s

95th percentile per-packet one-way delay: 28.737 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 22.04 Mbit/s

95th percentile per-packet one-way delay: 28.266 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 14.67 Mbit/s

95th percentile per-packet one-way delay: 28.766 ms

Loss rate: 0.11%

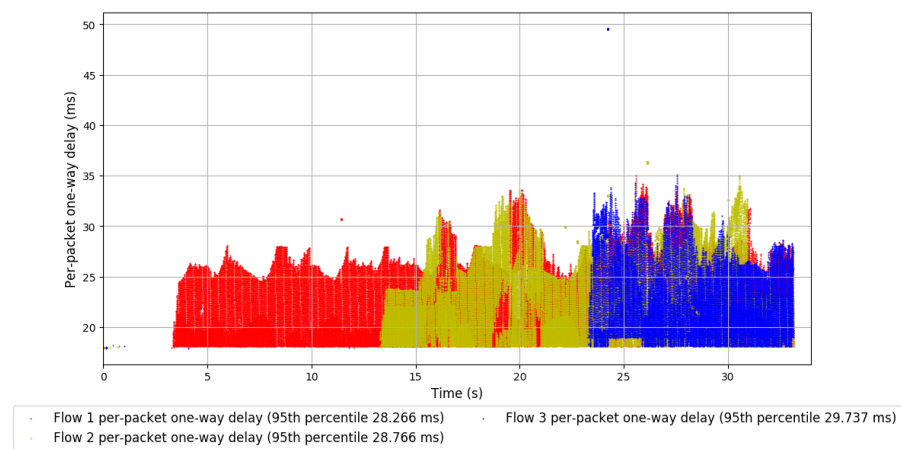
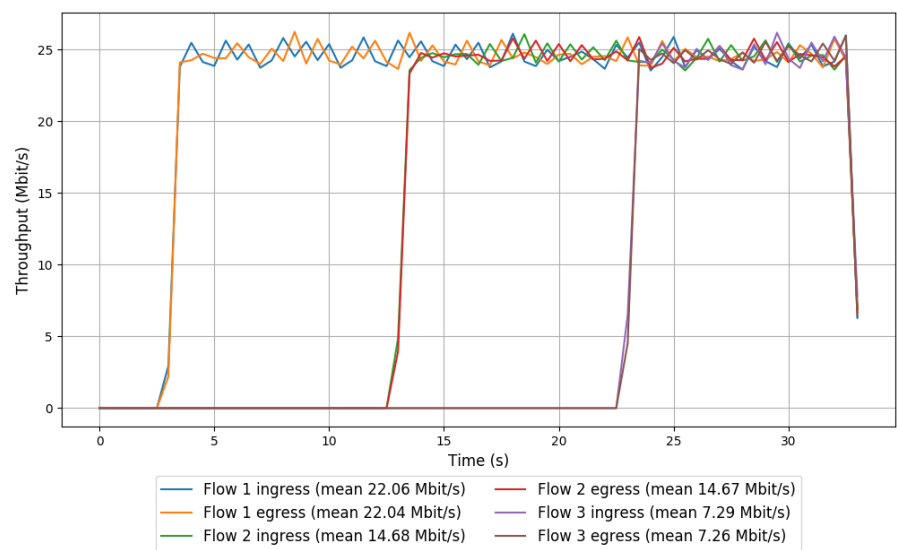
-- Flow 3:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 29.737 ms

Loss rate: 0.39%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

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

End at: Tue, 04 Jul 2017 21:52:51 +0000

Local clock offset: -0.502 ms

Remote clock offset: -16.153 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:58:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.56 Mbit/s

95th percentile per-packet one-way delay: 51.407 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 51.248 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 23.88 Mbit/s

95th percentile per-packet one-way delay: 51.346 ms

Loss rate: 0.33%

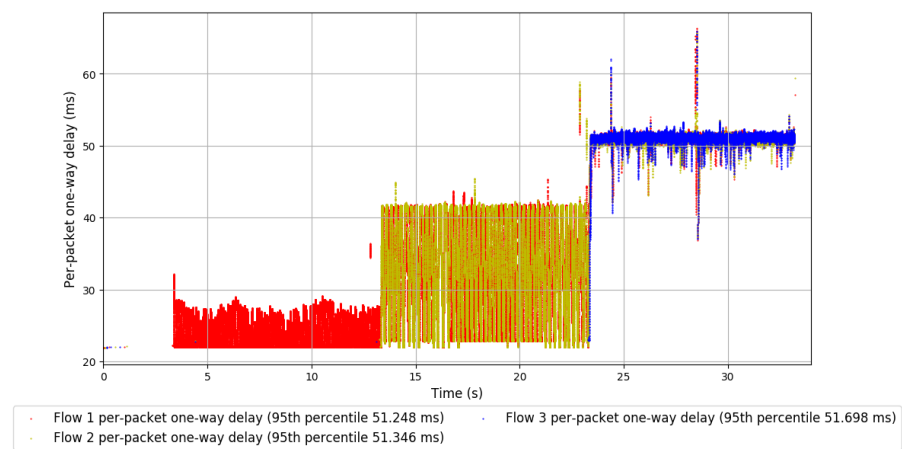
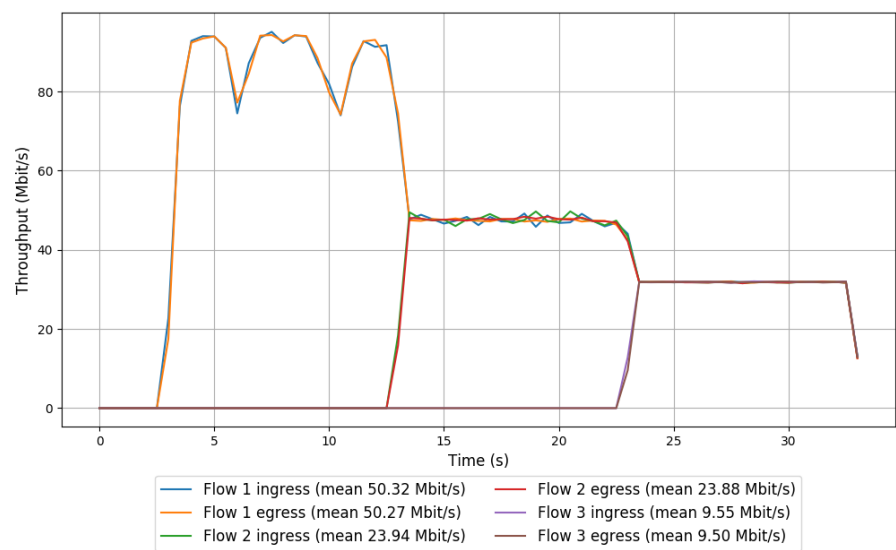
-- Flow 3:

Average throughput: 9.50 Mbit/s

95th percentile per-packet one-way delay: 51.698 ms

Loss rate: 0.64%

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



Run 2: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:10:32 +0000

End at: Tue, 04 Jul 2017 22:11:02 +0000

Local clock offset: -1.571 ms

Remote clock offset: -14.257 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:58:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.57 Mbit/s

95th percentile per-packet one-way delay: 54.644 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 50.01 Mbit/s

95th percentile per-packet one-way delay: 54.254 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 28.36 Mbit/s

95th percentile per-packet one-way delay: 36.608 ms

Loss rate: 0.17%

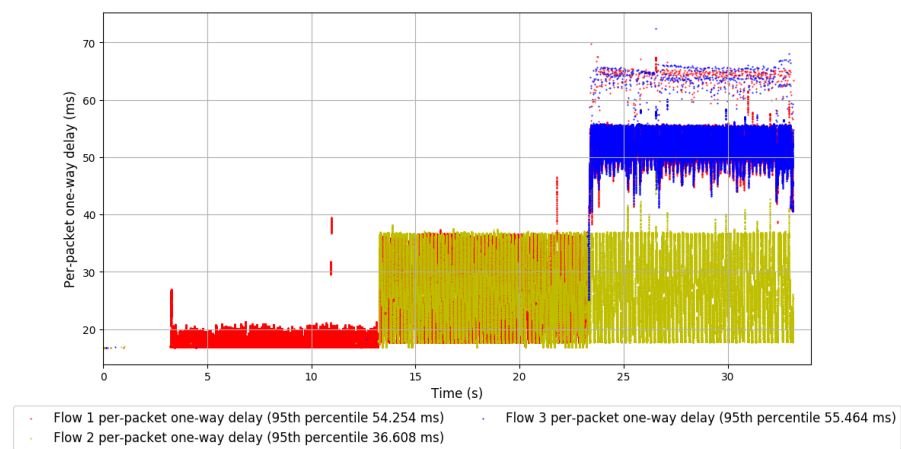
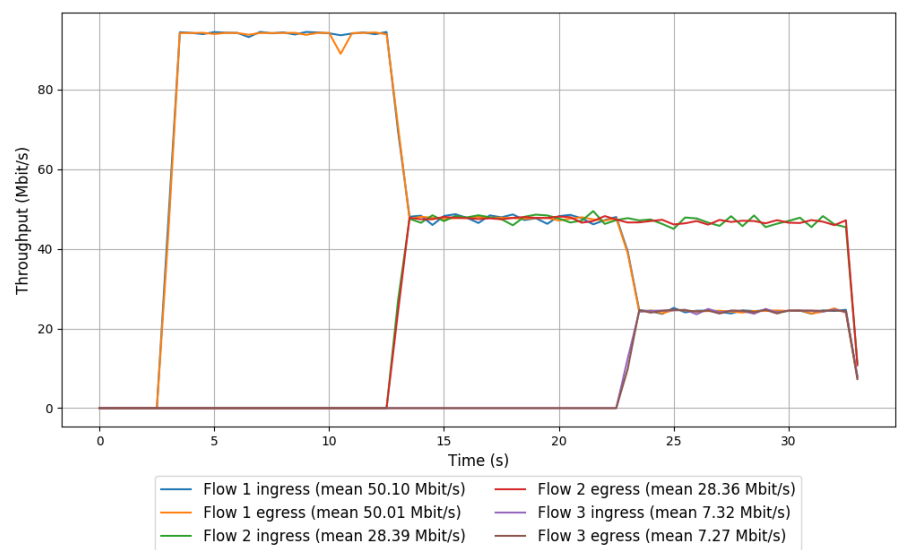
-- Flow 3:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 55.464 ms

Loss rate: 0.69%

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



Run 3: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:28:37 +0000

End at: Tue, 04 Jul 2017 22:29:07 +0000

Local clock offset: 0.851 ms

Remote clock offset: -13.78 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:58:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.06 Mbit/s

95th percentile per-packet one-way delay: 48.104 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 51.82 Mbit/s

95th percentile per-packet one-way delay: 47.440 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 23.83 Mbit/s

95th percentile per-packet one-way delay: 48.168 ms

Loss rate: 0.21%

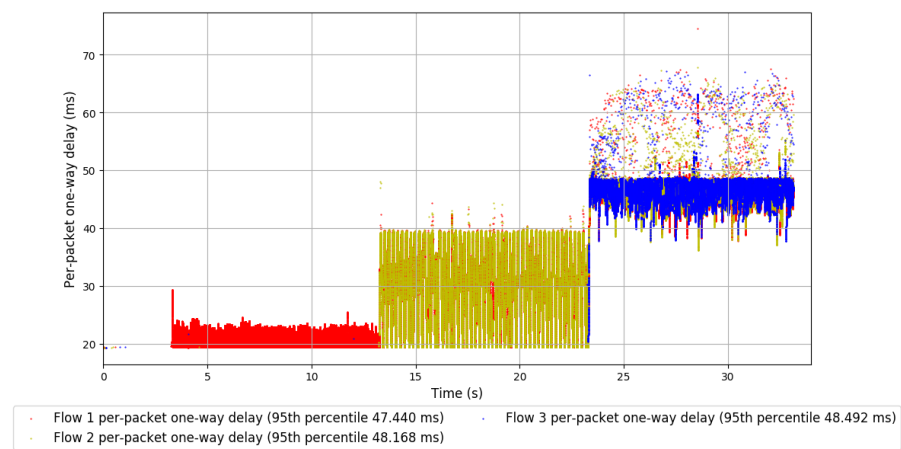
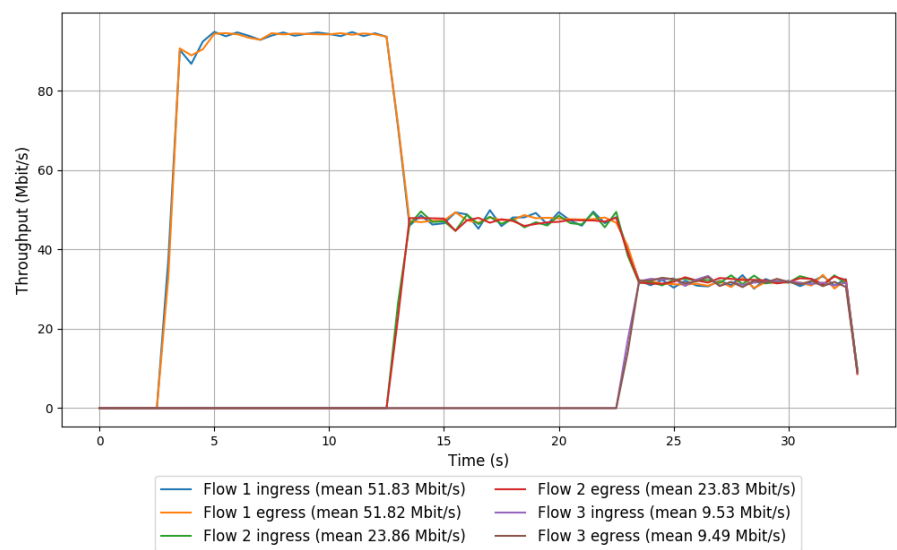
-- Flow 3:

Average throughput: 9.49 Mbit/s

95th percentile per-packet one-way delay: 48.492 ms

Loss rate: 0.58%

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



Run 4: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:46:35 +0000

End at: Tue, 04 Jul 2017 22:47:05 +0000

Local clock offset: -2.059 ms

Remote clock offset: -12.326 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:59:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.35 Mbit/s

95th percentile per-packet one-way delay: 57.048 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 56.43 Mbit/s

95th percentile per-packet one-way delay: 39.240 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 21.70 Mbit/s

95th percentile per-packet one-way delay: 58.224 ms

Loss rate: 0.26%

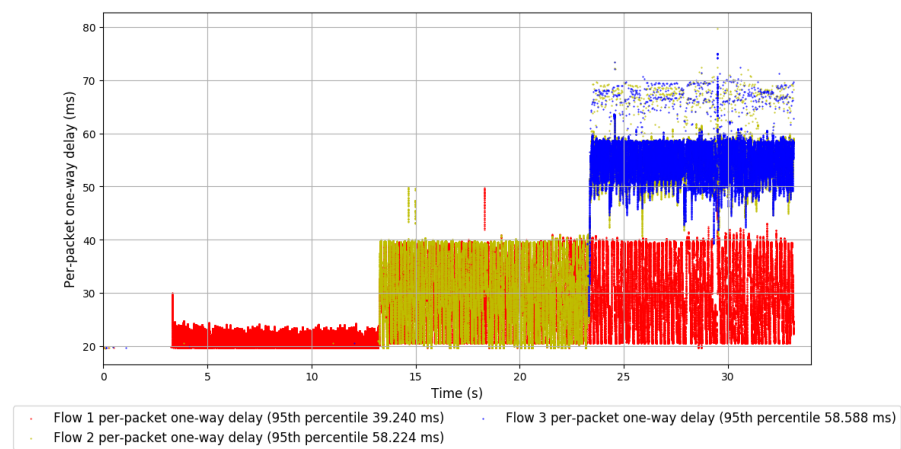
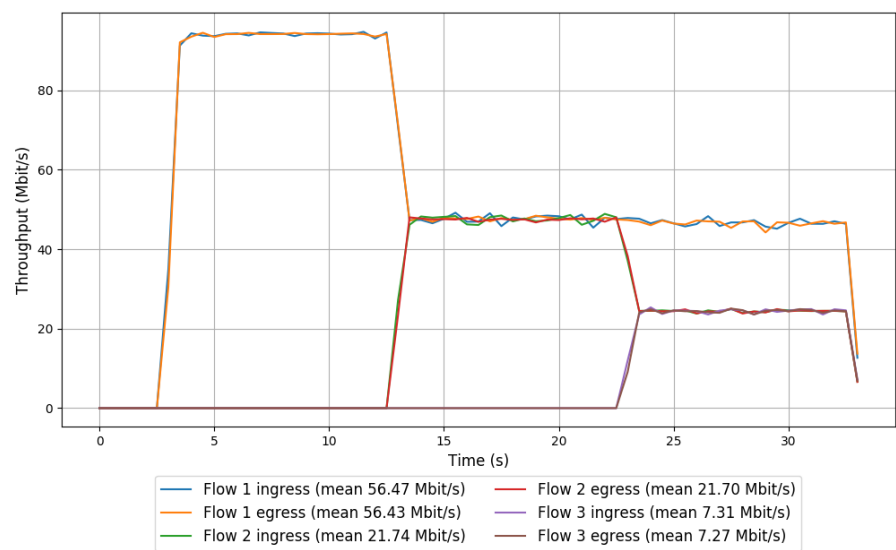
-- Flow 3:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 58.588 ms

Loss rate: 0.65%

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



Run 5: Statistics of TaoVA-100x

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

End at: Tue, 04 Jul 2017 23:05:17 +0000

Local clock offset: -0.419 ms

Remote clock offset: -13.237 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:59:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.20 Mbit/s

95th percentile per-packet one-way delay: 56.594 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 49.62 Mbit/s

95th percentile per-packet one-way delay: 56.160 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 28.39 Mbit/s

95th percentile per-packet one-way delay: 38.969 ms

Loss rate: 0.26%

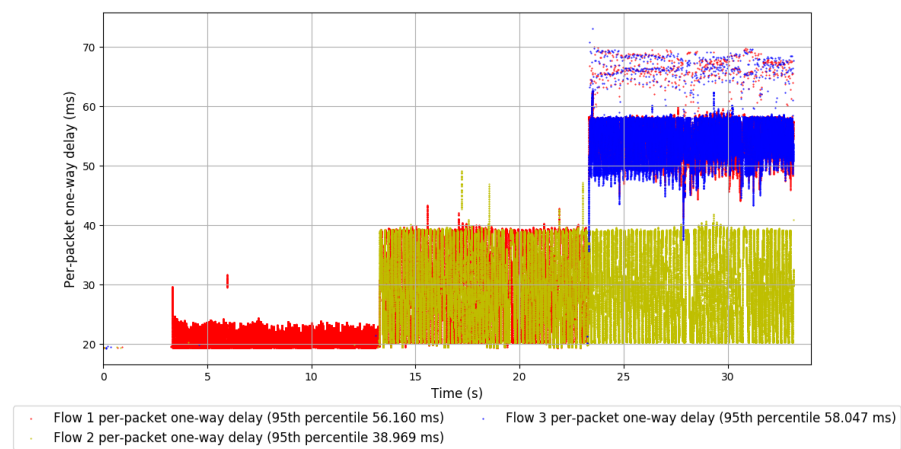
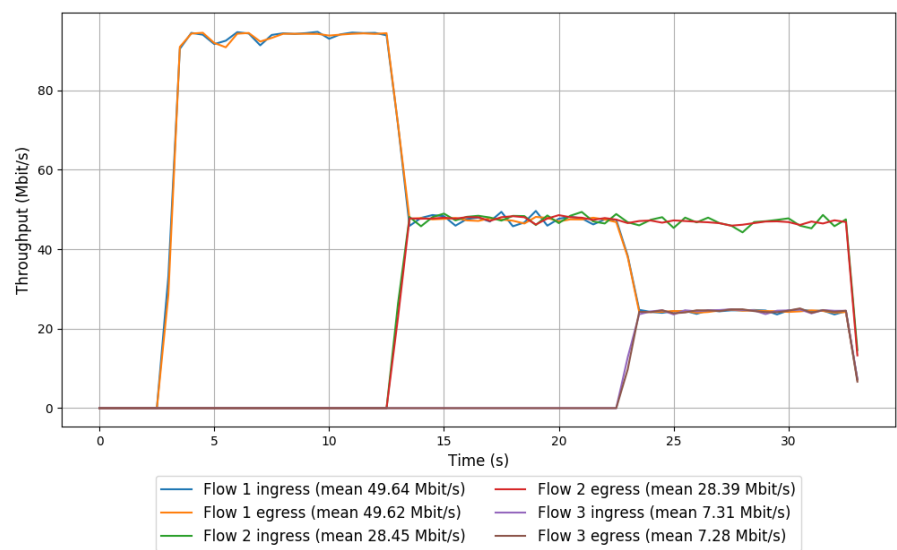
-- Flow 3:

Average throughput: 7.28 Mbit/s

95th percentile per-packet one-way delay: 58.047 ms

Loss rate: 0.69%

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



Run 6: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 23:22:58 +0000

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

Local clock offset: 0.308 ms

Remote clock offset: -11.902 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:59:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.23 Mbit/s

95th percentile per-packet one-way delay: 56.811 ms

Loss rate: 0.36%

-- Flow 1:

Average throughput: 49.79 Mbit/s

95th percentile per-packet one-way delay: 56.451 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 28.25 Mbit/s

95th percentile per-packet one-way delay: 39.276 ms

Loss rate: 0.39%

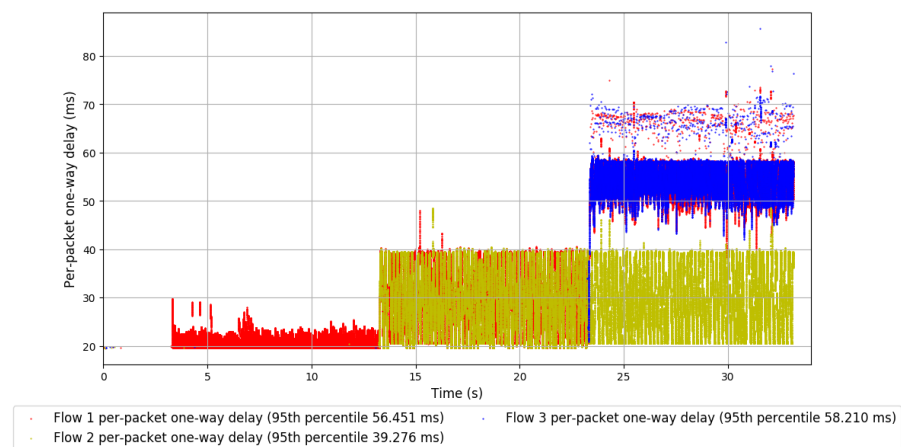
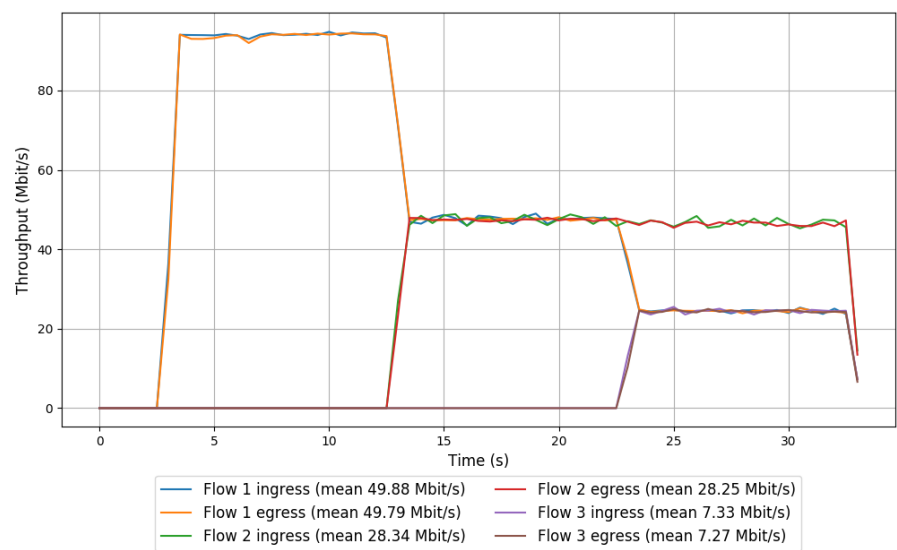
-- Flow 3:

Average throughput: 7.27 Mbit/s

95th percentile per-packet one-way delay: 58.210 ms

Loss rate: 0.90%

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



Run 7: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 23:41:01 +0000

End at: Tue, 04 Jul 2017 23:41:31 +0000

Local clock offset: 0.886 ms

Remote clock offset: -12.763 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 57.009 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 49.50 Mbit/s

95th percentile per-packet one-way delay: 56.661 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 21.64 Mbit/s

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

Loss rate: 0.26%

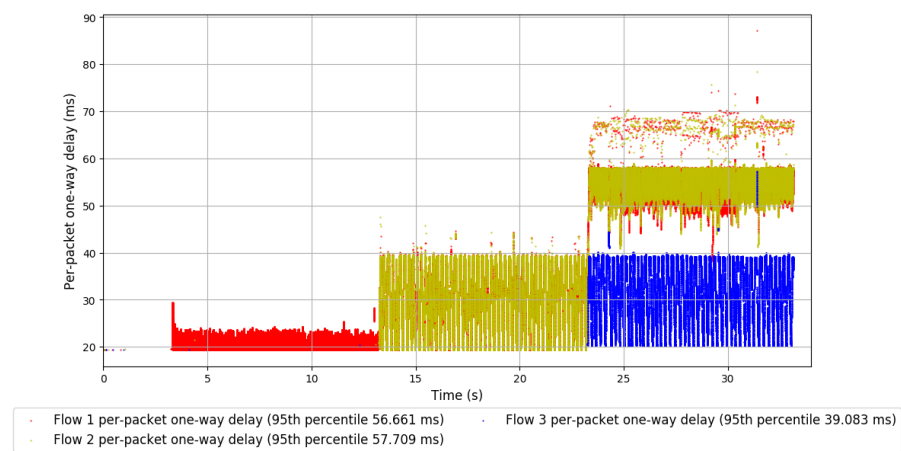
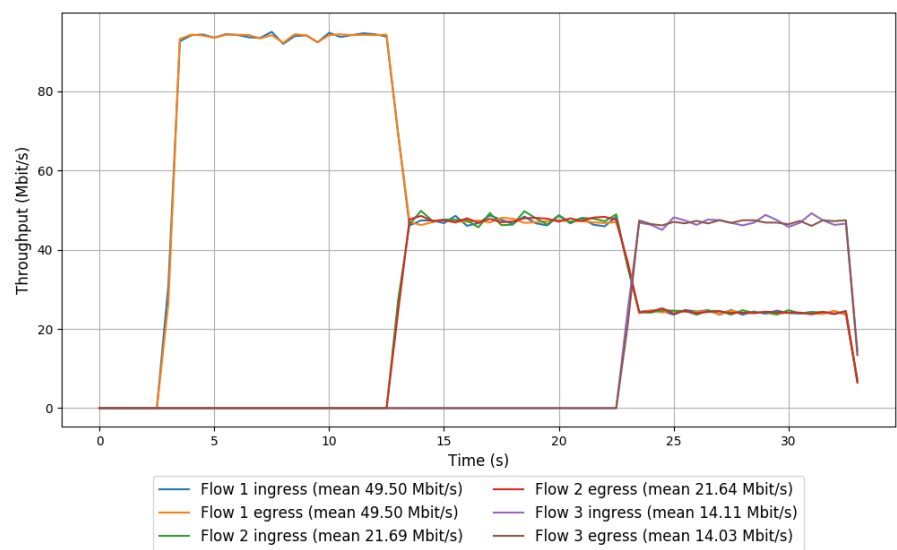
-- Flow 3:

Average throughput: 14.03 Mbit/s

95th percentile per-packet one-way delay: 39.083 ms

Loss rate: 0.62%

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



Run 8: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 23:59:01 +0000

End at: Tue, 04 Jul 2017 23:59:31 +0000

Local clock offset: -0.858 ms

Remote clock offset: -13.331 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:59:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.07 Mbit/s

95th percentile per-packet one-way delay: 55.128 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 49.65 Mbit/s

95th percentile per-packet one-way delay: 54.766 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 28.20 Mbit/s

95th percentile per-packet one-way delay: 36.801 ms

Loss rate: 0.61%

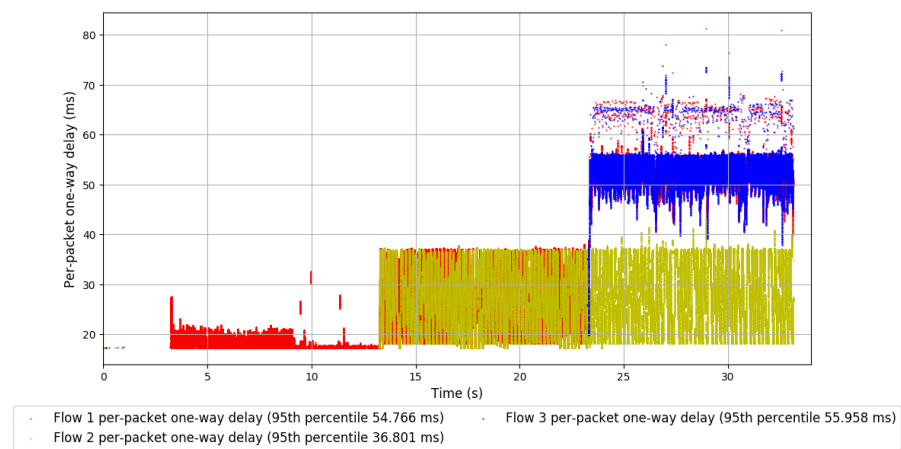
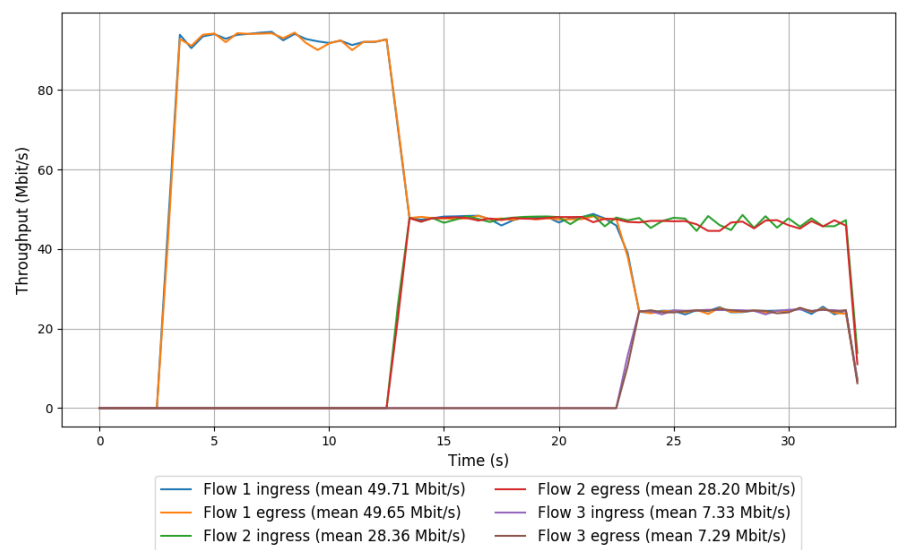
-- Flow 3:

Average throughput: 7.29 Mbit/s

95th percentile per-packet one-way delay: 55.958 ms

Loss rate: 0.71%

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



Run 9: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 00:16:49 +0000

End at: Wed, 05 Jul 2017 00:17:19 +0000

Local clock offset: 0.835 ms

Remote clock offset: -12.945 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:00:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.00 Mbit/s

95th percentile per-packet one-way delay: 55.402 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 49.38 Mbit/s

95th percentile per-packet one-way delay: 55.122 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 21.66 Mbit/s

95th percentile per-packet one-way delay: 55.740 ms

Loss rate: 0.28%

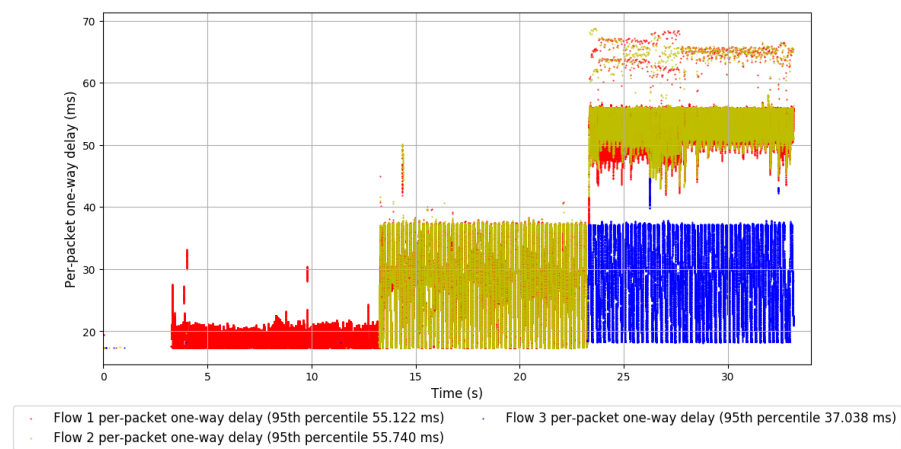
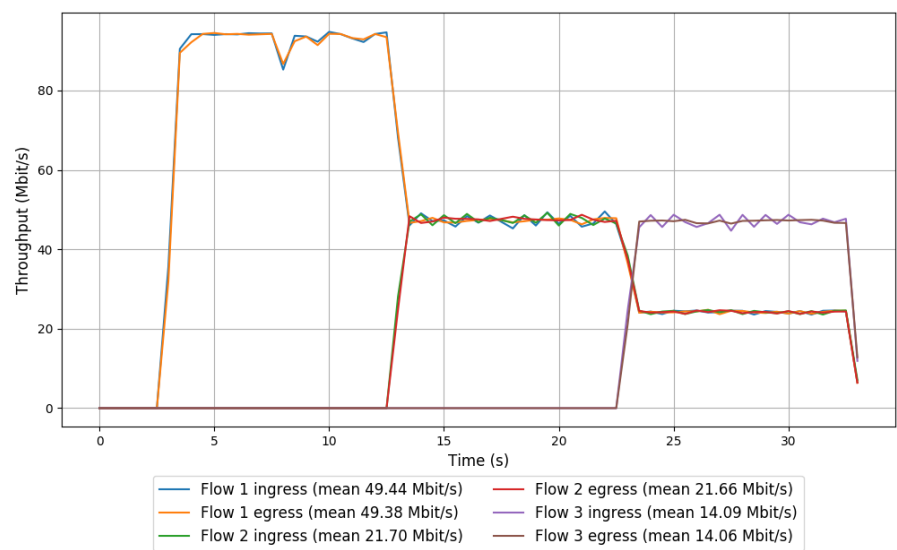
-- Flow 3:

Average throughput: 14.06 Mbit/s

95th percentile per-packet one-way delay: 37.038 ms

Loss rate: 0.28%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 00:34:43 +0000

End at: Wed, 05 Jul 2017 00:35:13 +0000

Local clock offset: 1.416 ms

Remote clock offset: -11.172 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:00:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.11 Mbit/s

95th percentile per-packet one-way delay: 47.719 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 51.81 Mbit/s

95th percentile per-packet one-way delay: 47.571 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 23.89 Mbit/s

95th percentile per-packet one-way delay: 47.728 ms

Loss rate: 0.39%

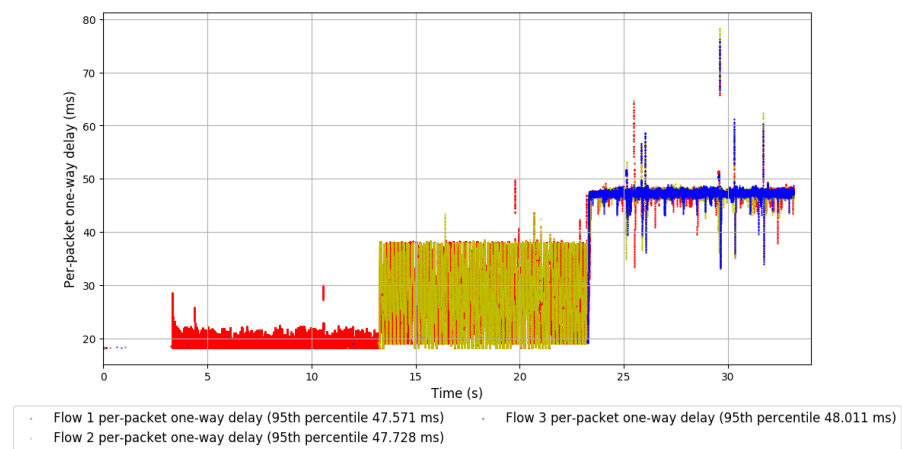
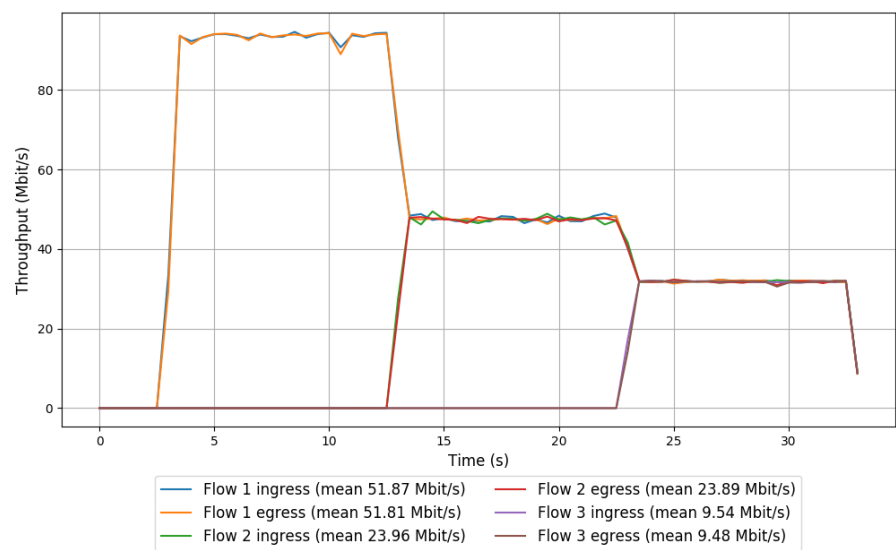
-- Flow 3:

Average throughput: 9.48 Mbit/s

95th percentile per-packet one-way delay: 48.011 ms

Loss rate: 0.74%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:51:03 +0000

End at: Tue, 04 Jul 2017 21:51:33 +0000

Local clock offset: 1.231 ms

Remote clock offset: -17.371 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:00:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.19 Mbit/s

95th percentile per-packet one-way delay: 45.772 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 51.09 Mbit/s

95th percentile per-packet one-way delay: 45.536 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 25.38 Mbit/s

95th percentile per-packet one-way delay: 45.888 ms

Loss rate: 0.29%

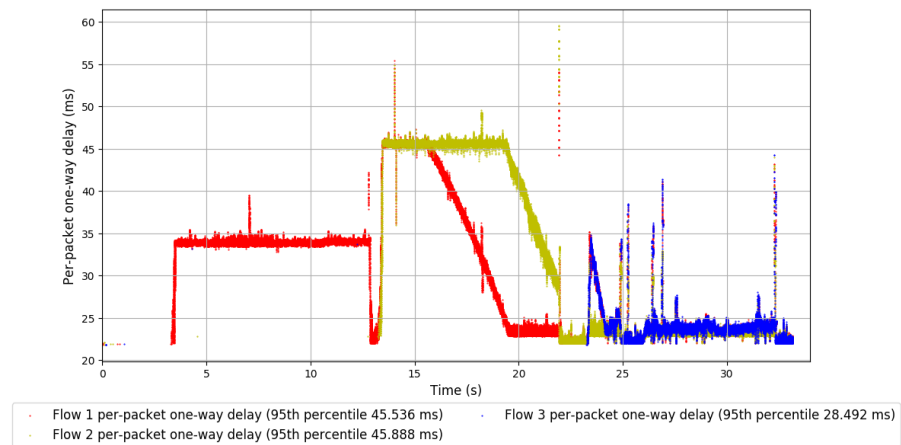
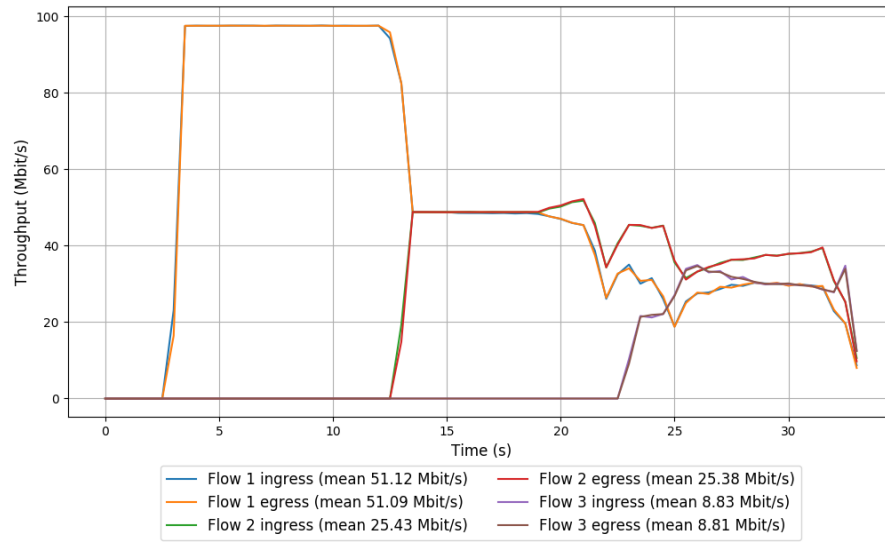
-- Flow 3:

Average throughput: 8.81 Mbit/s

95th percentile per-packet one-way delay: 28.492 ms

Loss rate: 0.37%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:09:20 +0000

End at: Tue, 04 Jul 2017 22:09:50 +0000

Local clock offset: -1.256 ms

Remote clock offset: -14.002 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:00:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.69 Mbit/s

95th percentile per-packet one-way delay: 40.333 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 44.80 Mbit/s

95th percentile per-packet one-way delay: 40.214 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 28.55 Mbit/s

95th percentile per-packet one-way delay: 40.466 ms

Loss rate: 0.14%

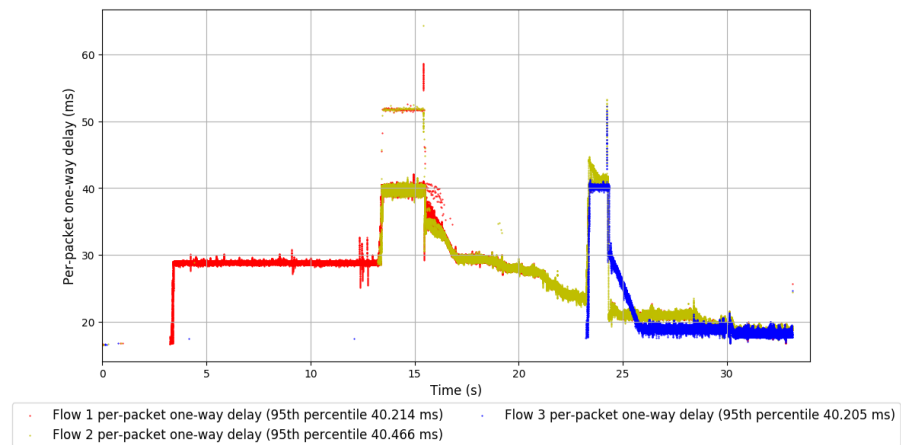
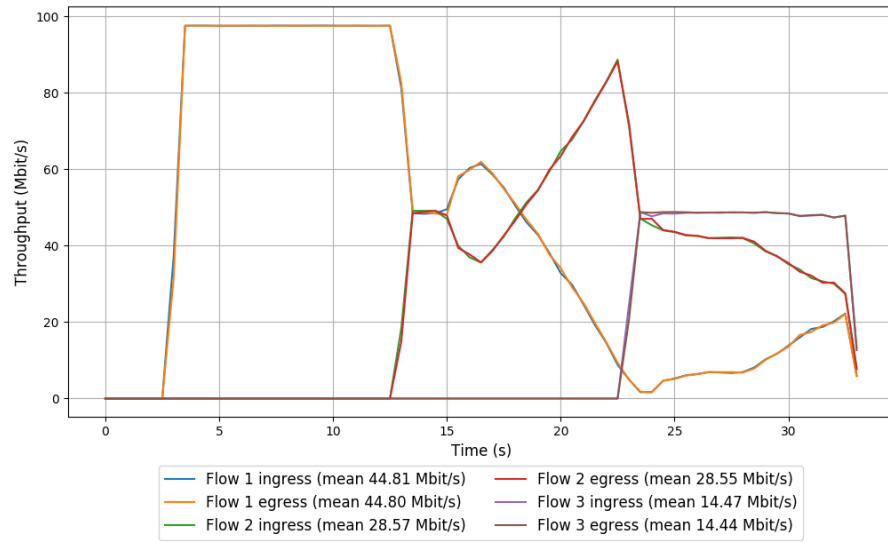
-- Flow 3:

Average throughput: 14.44 Mbit/s

95th percentile per-packet one-way delay: 40.205 ms

Loss rate: 0.26%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:27:25 +0000

End at: Tue, 04 Jul 2017 22:27:55 +0000

Local clock offset: 0.378 ms

Remote clock offset: -14.154 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:00:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 31.469 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 50.57 Mbit/s

95th percentile per-packet one-way delay: 32.562 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 25.38 Mbit/s

95th percentile per-packet one-way delay: 21.072 ms

Loss rate: 0.11%

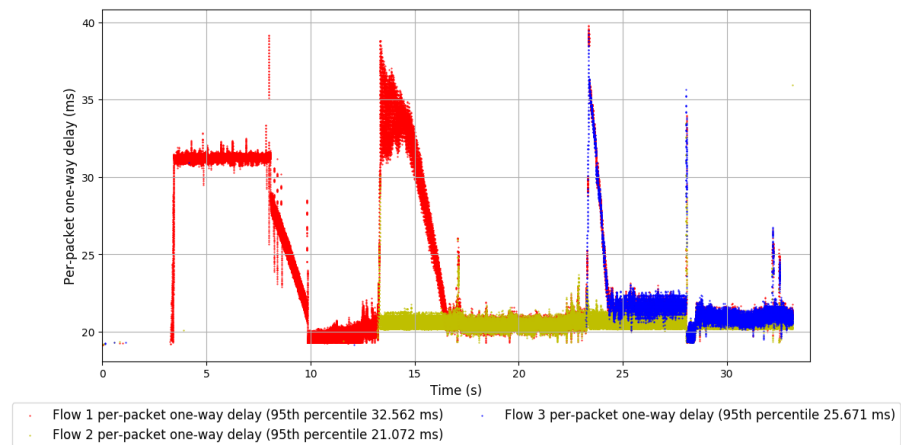
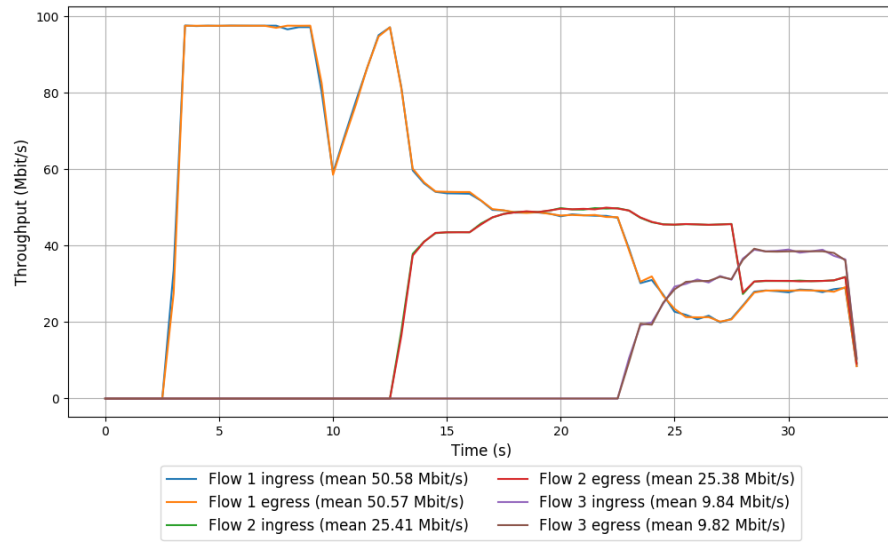
-- Flow 3:

Average throughput: 9.82 Mbit/s

95th percentile per-packet one-way delay: 25.671 ms

Loss rate: 0.29%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:45:24 +0000

End at: Tue, 04 Jul 2017 22:45:54 +0000

Local clock offset: 1.088 ms

Remote clock offset: -11.601 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:00:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: 43.473 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 50.31 Mbit/s

95th percentile per-packet one-way delay: 38.256 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 24.58 Mbit/s

95th percentile per-packet one-way delay: 43.707 ms

Loss rate: 0.10%

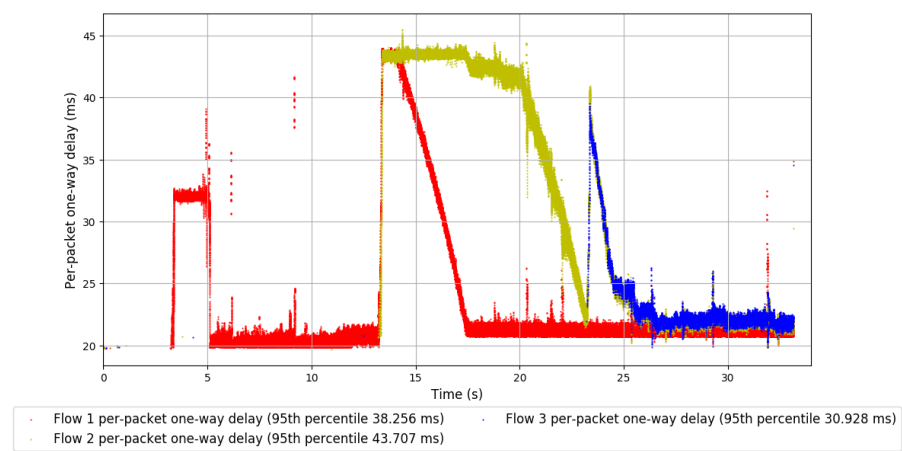
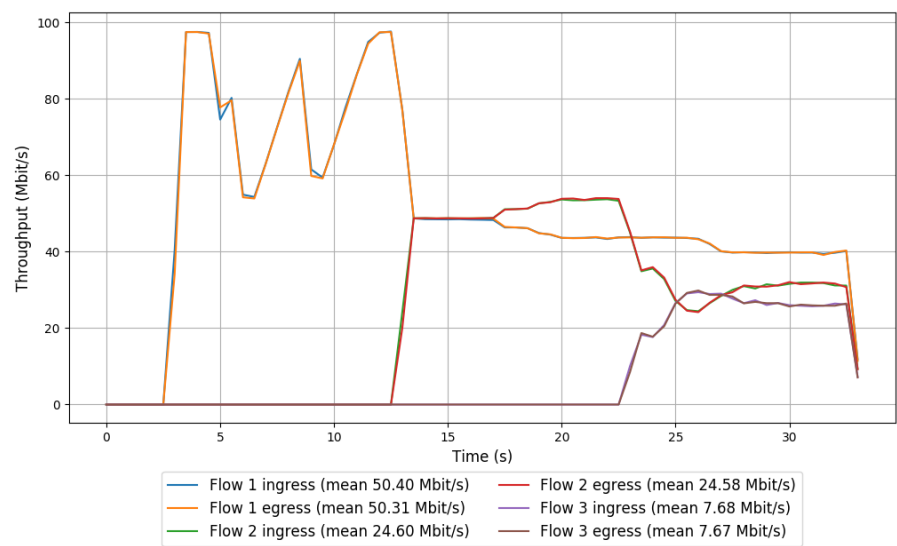
-- Flow 3:

Average throughput: 7.67 Mbit/s

95th percentile per-packet one-way delay: 30.928 ms

Loss rate: 0.26%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:03:36 +0000

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

Local clock offset: 0.122 ms

Remote clock offset: -14.663 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:00:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.73 Mbit/s

95th percentile per-packet one-way delay: 31.573 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 52.34 Mbit/s

95th percentile per-packet one-way delay: 35.605 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 23.39 Mbit/s

95th percentile per-packet one-way delay: 21.741 ms

Loss rate: 0.25%

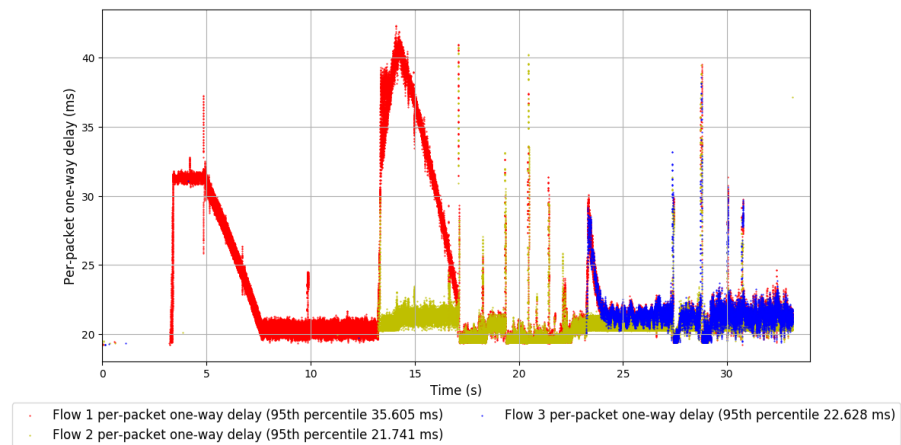
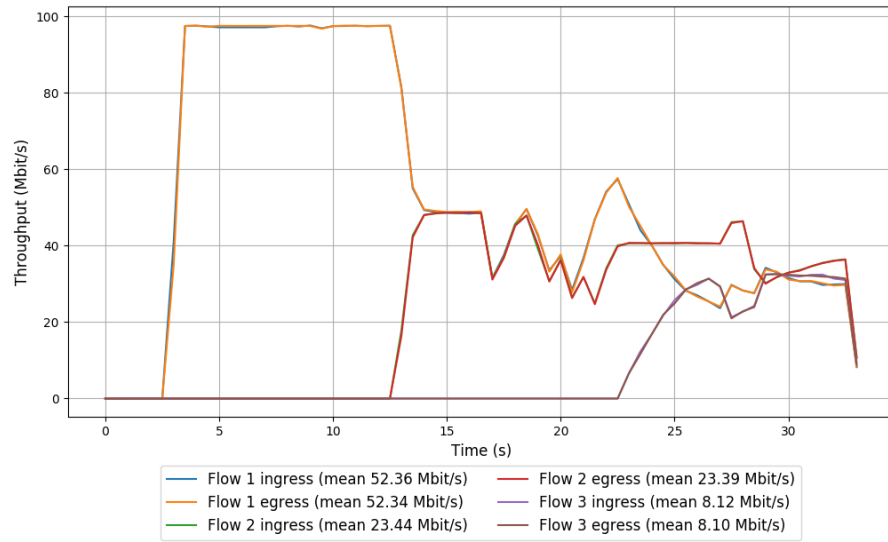
-- Flow 3:

Average throughput: 8.10 Mbit/s

95th percentile per-packet one-way delay: 22.628 ms

Loss rate: 0.35%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:21:44 +0000

End at: Tue, 04 Jul 2017 23:22:14 +0000

Local clock offset: 1.596 ms

Remote clock offset: -13.061 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:00:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.96 Mbit/s

95th percentile per-packet one-way delay: 43.412 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 53.25 Mbit/s

95th percentile per-packet one-way delay: 37.302 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 23.78 Mbit/s

95th percentile per-packet one-way delay: 43.536 ms

Loss rate: 0.10%

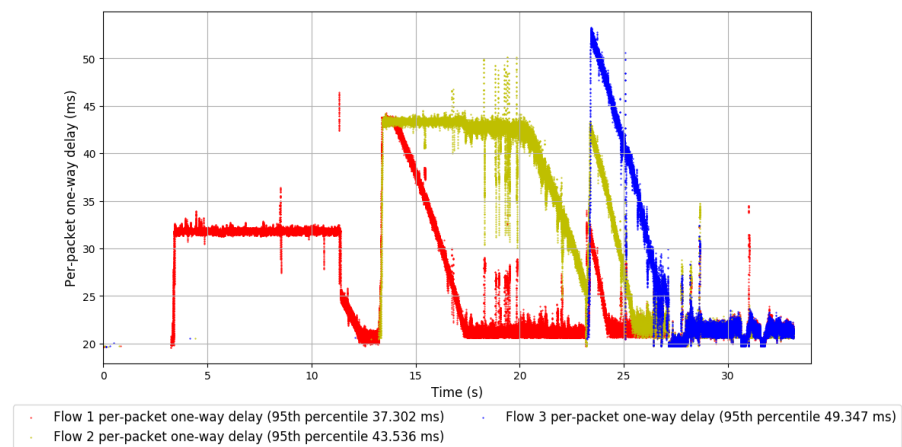
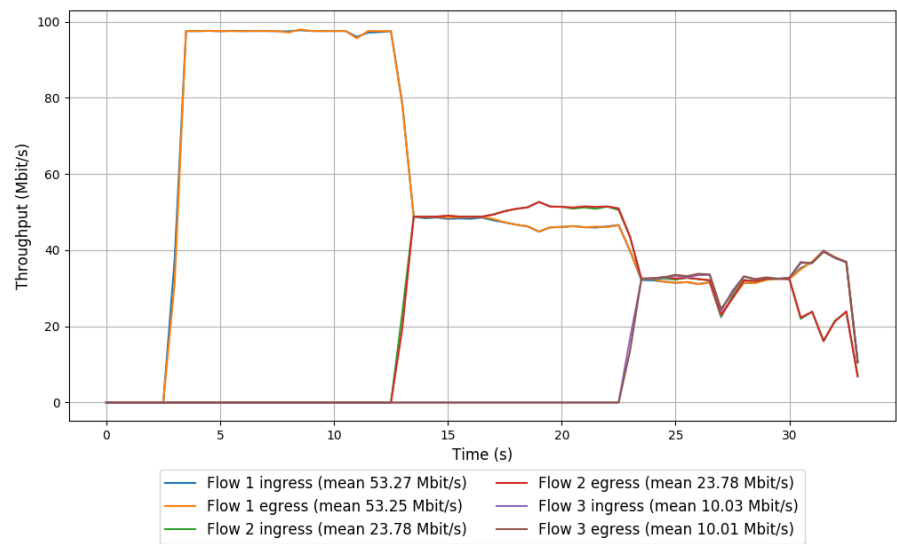
-- Flow 3:

Average throughput: 10.01 Mbit/s

95th percentile per-packet one-way delay: 49.347 ms

Loss rate: 0.31%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:39:49 +0000

End at: Tue, 04 Jul 2017 23:40:19 +0000

Local clock offset: -2.121 ms

Remote clock offset: -12.103 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:00:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.03 Mbit/s

95th percentile per-packet one-way delay: 30.510 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 49.78 Mbit/s

95th percentile per-packet one-way delay: 31.429 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 23.99 Mbit/s

95th percentile per-packet one-way delay: 28.198 ms

Loss rate: 0.21%

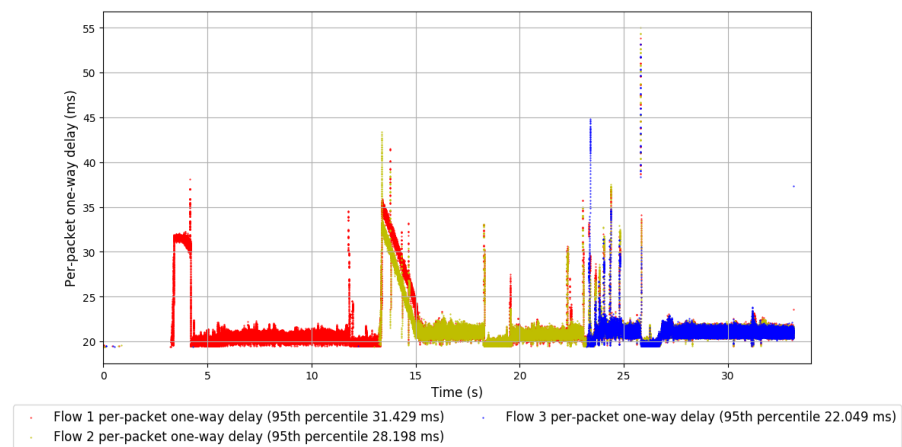
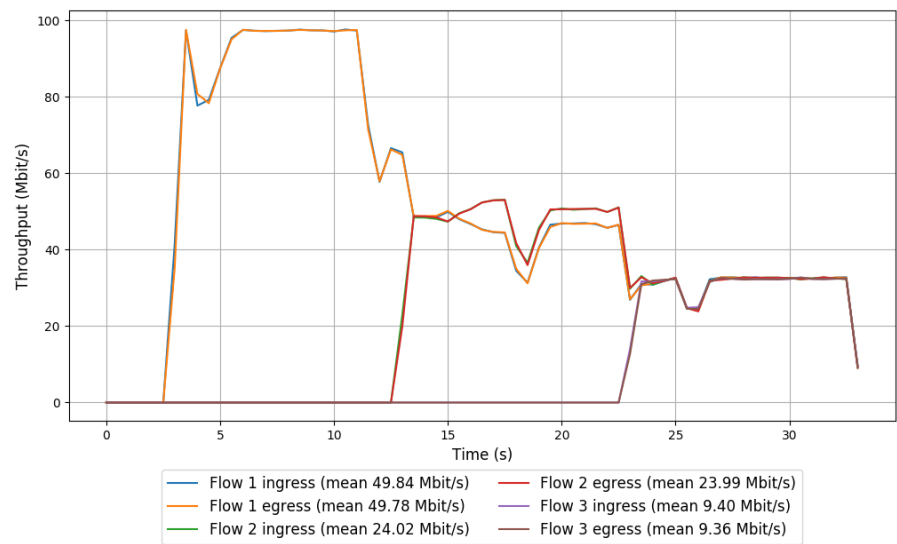
-- Flow 3:

Average throughput: 9.36 Mbit/s

95th percentile per-packet one-way delay: 22.049 ms

Loss rate: 0.44%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:57:49 +0000

End at: Tue, 04 Jul 2017 23:58:19 +0000

Local clock offset: 1.9 ms

Remote clock offset: -13.762 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:01:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.71 Mbit/s

95th percentile per-packet one-way delay: 30.254 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 48.69 Mbit/s

95th percentile per-packet one-way delay: 30.186 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 26.40 Mbit/s

95th percentile per-packet one-way delay: 25.153 ms

Loss rate: 0.19%

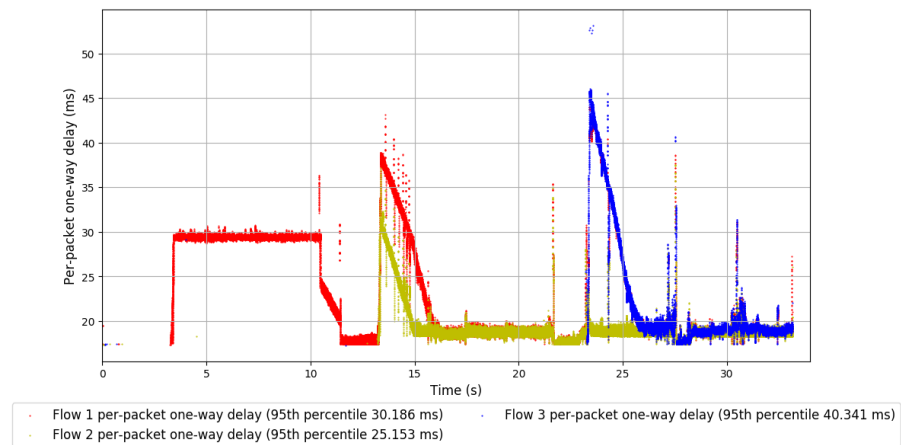
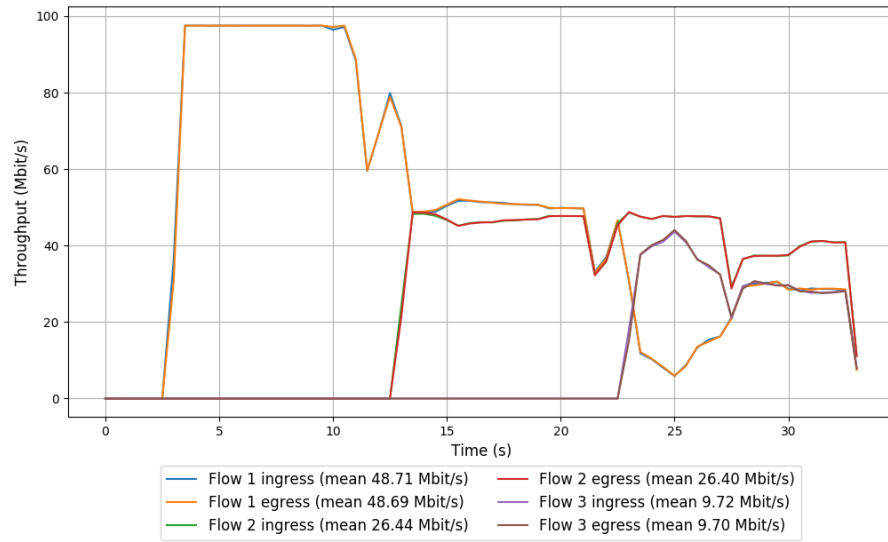
-- Flow 3:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 40.341 ms

Loss rate: 0.24%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 00:15:37 +0000

End at: Wed, 05 Jul 2017 00:16:07 +0000

Local clock offset: 0.962 ms

Remote clock offset: -12.05 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:01:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.73 Mbit/s

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

Loss rate: 0.08%

-- Flow 1:

Average throughput: 52.61 Mbit/s

95th percentile per-packet one-way delay: 33.321 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 25.44 Mbit/s

95th percentile per-packet one-way delay: 40.886 ms

Loss rate: 0.09%

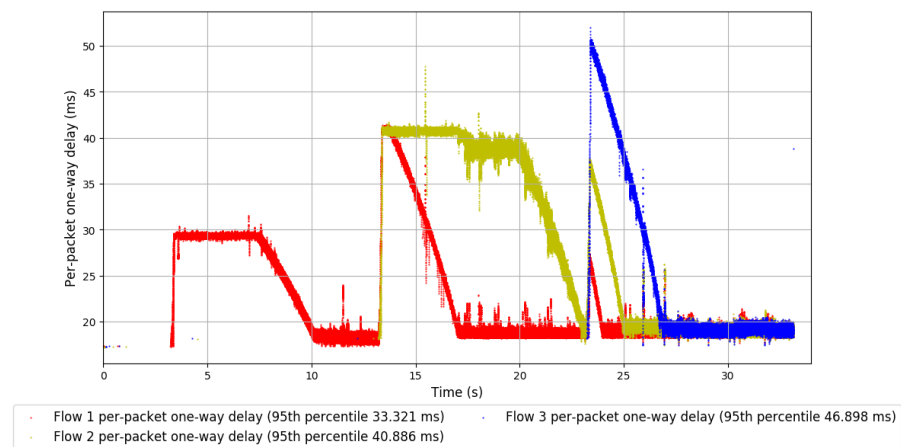
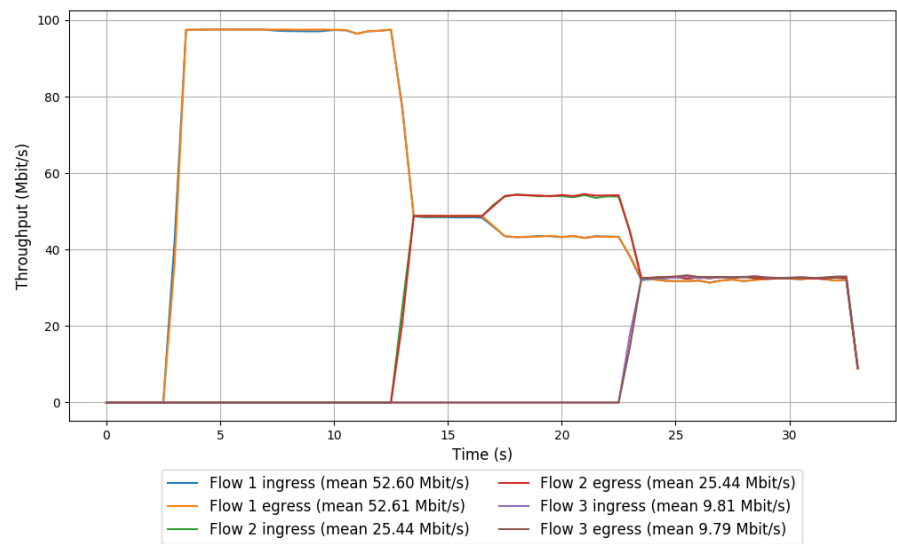
-- Flow 3:

Average throughput: 9.79 Mbit/s

95th percentile per-packet one-way delay: 46.898 ms

Loss rate: 0.25%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 00:33:30 +0000

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

Local clock offset: 2.045 ms

Remote clock offset: -10.689 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:01:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.43 Mbit/s

95th percentile per-packet one-way delay: 35.946 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 47.50 Mbit/s

95th percentile per-packet one-way delay: 35.329 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 25.27 Mbit/s

95th percentile per-packet one-way delay: 30.200 ms

Loss rate: 0.10%

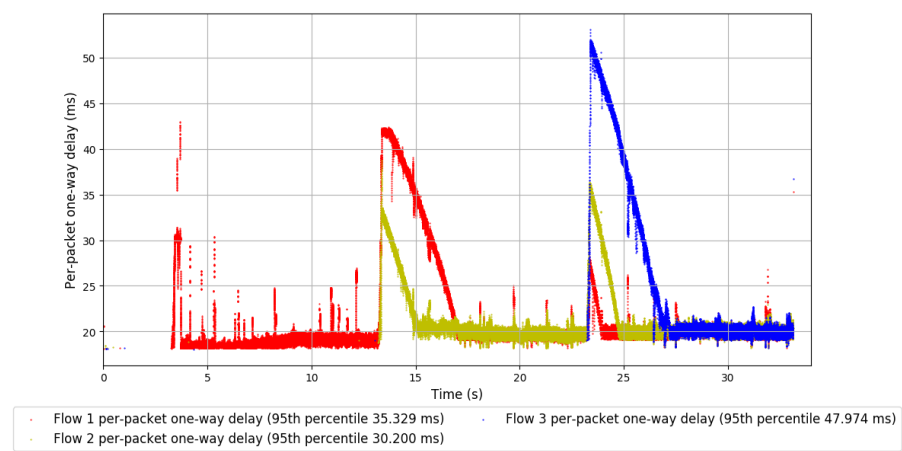
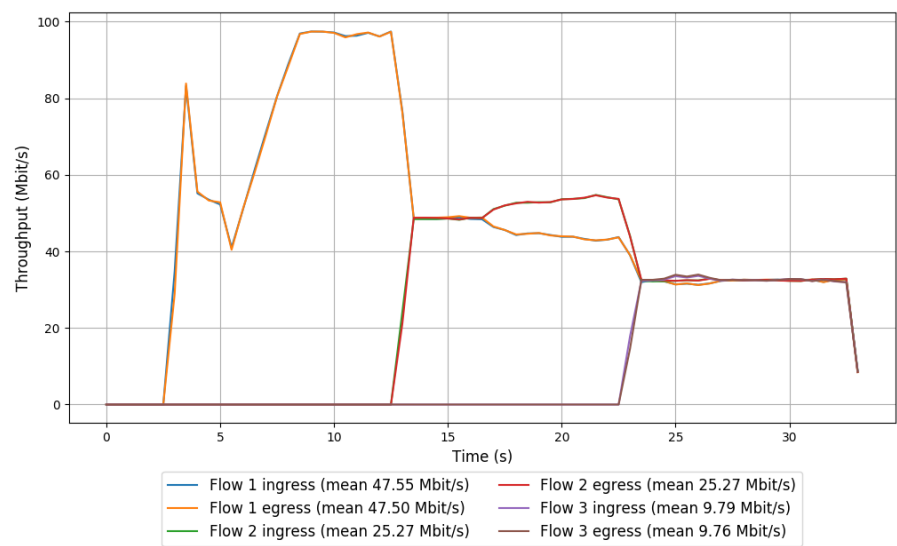
-- Flow 3:

Average throughput: 9.76 Mbit/s

95th percentile per-packet one-way delay: 47.974 ms

Loss rate: 0.26%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Tue, 04 Jul 2017 21:46:09 +0000

End at: Tue, 04 Jul 2017 21:46:39 +0000

Local clock offset: 1.419 ms

Remote clock offset: -16.042 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:01:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.98 Mbit/s

95th percentile per-packet one-way delay: 64.696 ms

Loss rate: 0.42%

-- Flow 1:

Average throughput: 58.39 Mbit/s

95th percentile per-packet one-way delay: 61.337 ms

Loss rate: 0.40%

-- Flow 2:

Average throughput: 14.65 Mbit/s

95th percentile per-packet one-way delay: 67.923 ms

Loss rate: 0.37%

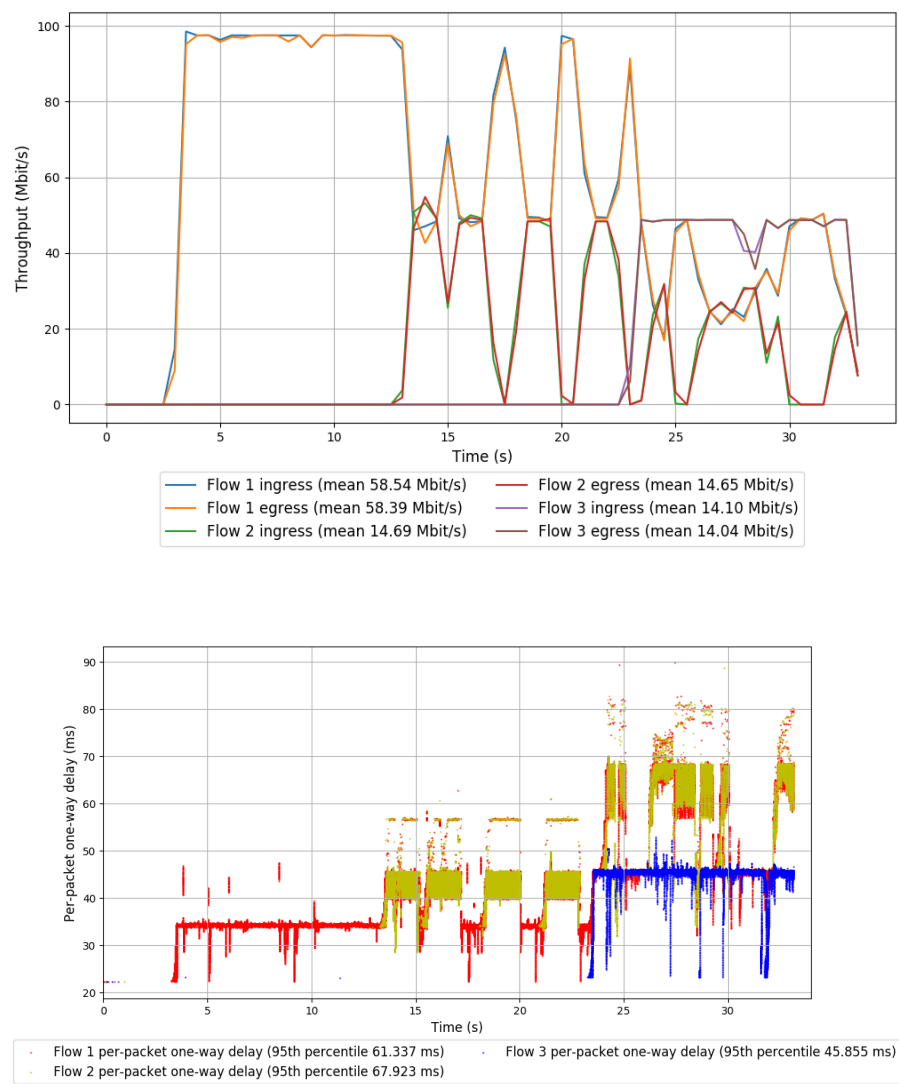
-- Flow 3:

Average throughput: 14.04 Mbit/s

95th percentile per-packet one-way delay: 45.855 ms

Loss rate: 0.56%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

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

End at: Tue, 04 Jul 2017 22:05:06 +0000

Local clock offset: -0.585 ms

Remote clock offset: -15.097 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:01:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.11 Mbit/s

95th percentile per-packet one-way delay: 61.124 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 47.89 Mbit/s

95th percentile per-packet one-way delay: 60.610 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 25.03 Mbit/s

95th percentile per-packet one-way delay: 62.007 ms

Loss rate: 0.24%

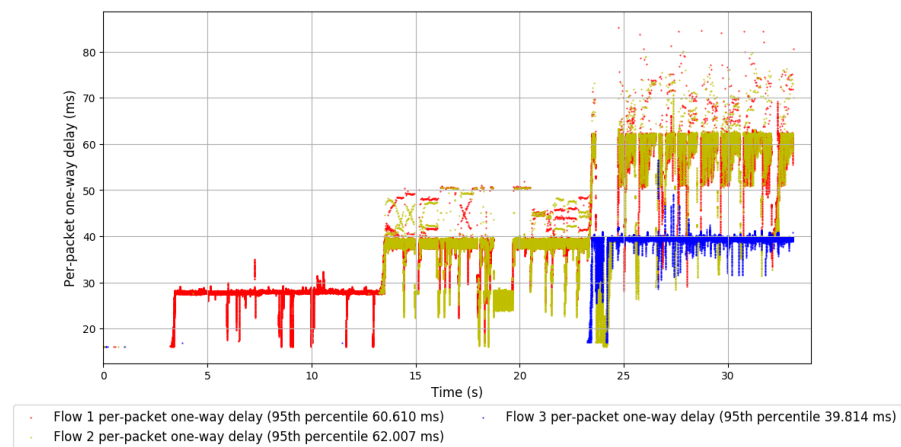
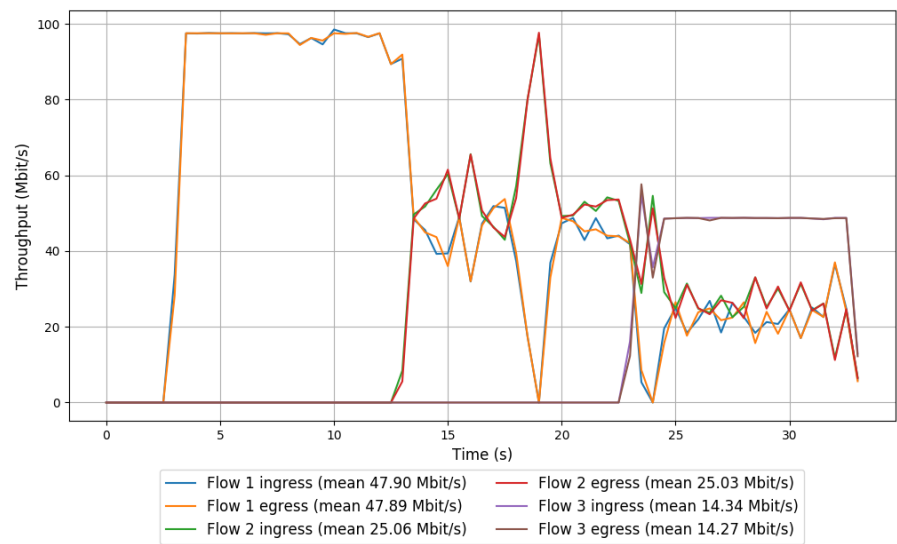
-- Flow 3:

Average throughput: 14.27 Mbit/s

95th percentile per-packet one-way delay: 39.814 ms

Loss rate: 0.55%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

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

End at: Tue, 04 Jul 2017 22:23:10 +0000

Local clock offset: -2.104 ms

Remote clock offset: -13.893 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:01:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.98 Mbit/s

95th percentile per-packet one-way delay: 64.717 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 58.11 Mbit/s

95th percentile per-packet one-way delay: 42.439 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 64.887 ms

Loss rate: 0.24%

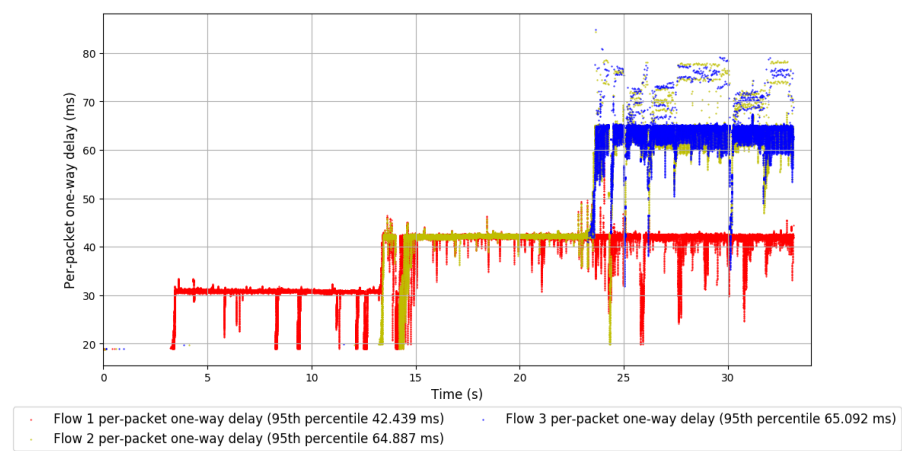
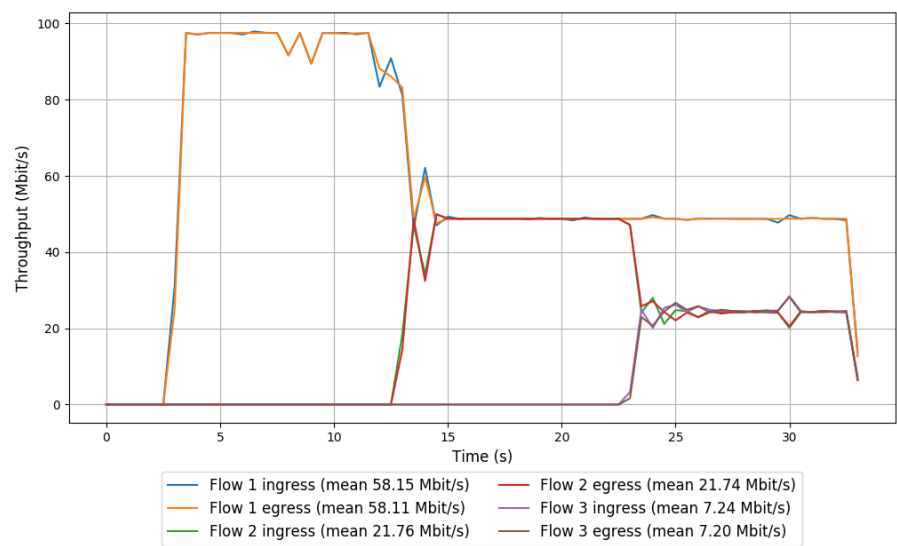
-- Flow 3:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 65.092 ms

Loss rate: 0.70%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:40:37 +0000

End at: Tue, 04 Jul 2017 22:41:07 +0000

Local clock offset: -2.136 ms

Remote clock offset: -13.258 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:01:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.59 Mbit/s

95th percentile per-packet one-way delay: 65.518 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 57.61 Mbit/s

95th percentile per-packet one-way delay: 43.366 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 22.72 Mbit/s

95th percentile per-packet one-way delay: 65.788 ms

Loss rate: 0.24%

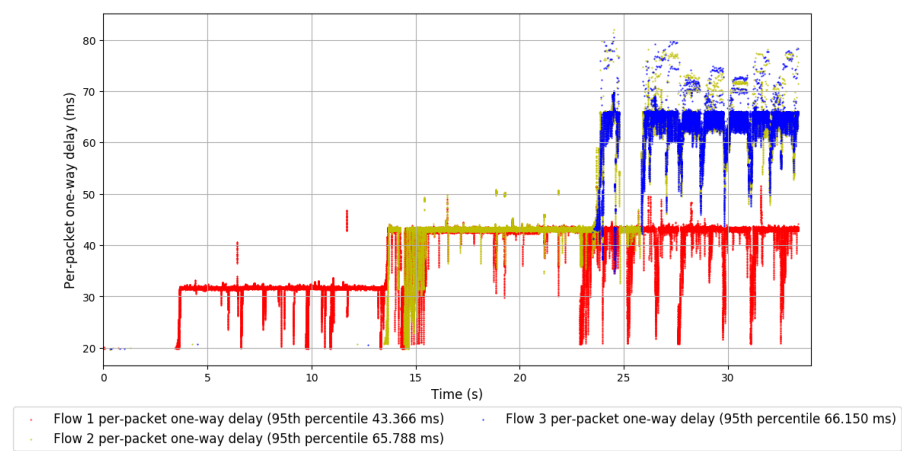
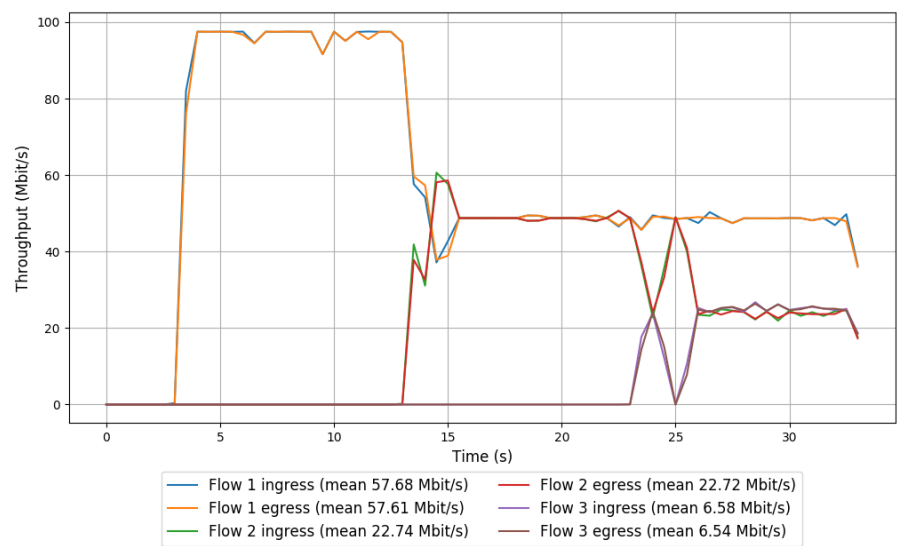
-- Flow 3:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 66.150 ms

Loss rate: 0.80%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:58:51 +0000

End at: Tue, 04 Jul 2017 22:59:21 +0000

Local clock offset: -1.853 ms

Remote clock offset: -13.292 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:01:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 54.134 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 53.29 Mbit/s

95th percentile per-packet one-way delay: 54.104 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 24.17 Mbit/s

95th percentile per-packet one-way delay: 54.076 ms

Loss rate: 0.25%

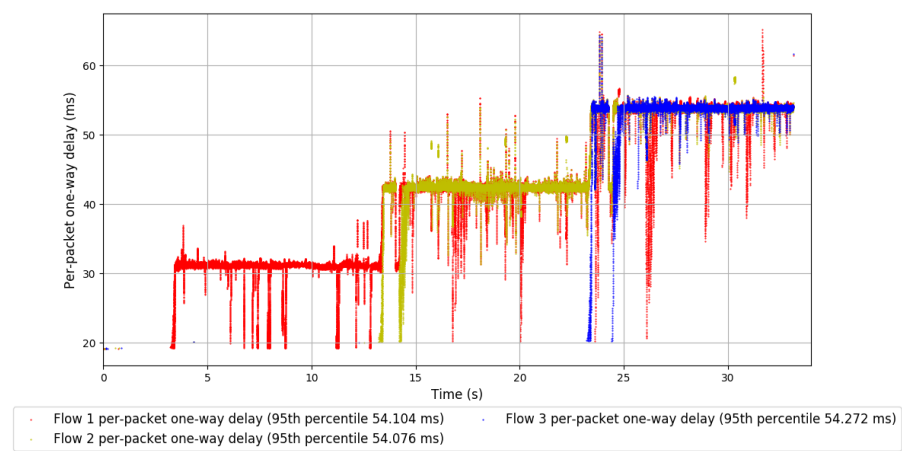
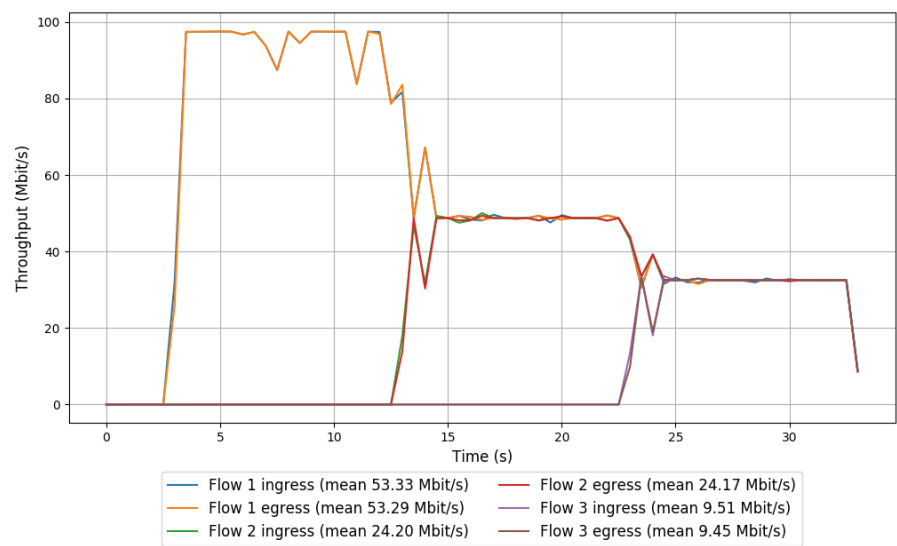
-- Flow 3:

Average throughput: 9.45 Mbit/s

95th percentile per-packet one-way delay: 54.272 ms

Loss rate: 0.62%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:16:57 +0000

End at: Tue, 04 Jul 2017 23:17:27 +0000

Local clock offset: -1.392 ms

Remote clock offset: -13.625 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:01:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.09 Mbit/s

95th percentile per-packet one-way delay: 54.790 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 52.83 Mbit/s

95th percentile per-packet one-way delay: 54.736 ms

Loss rate: 0.19%

-- Flow 2:

Average throughput: 24.94 Mbit/s

95th percentile per-packet one-way delay: 54.759 ms

Loss rate: 0.35%

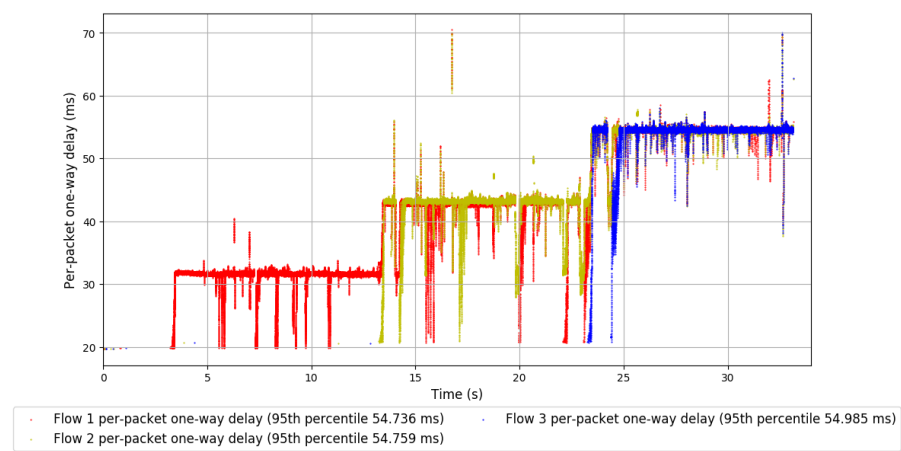
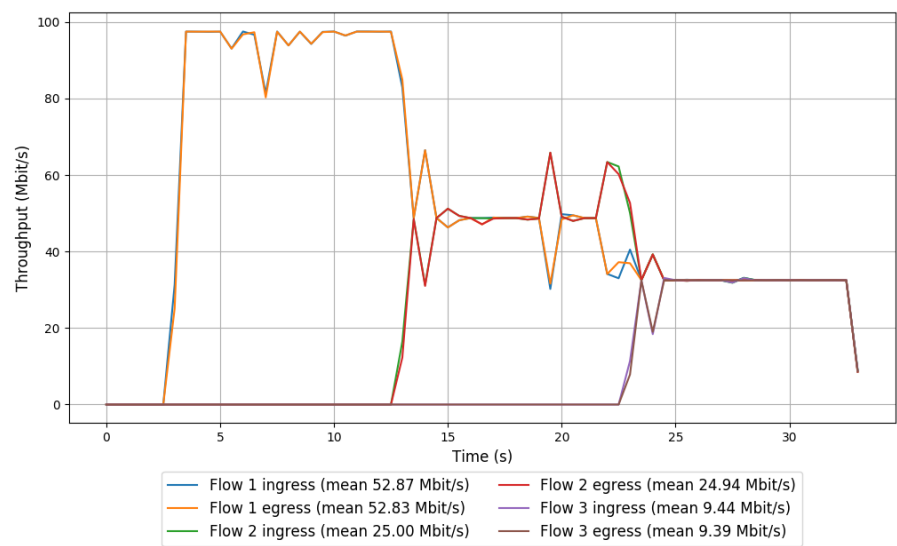
-- Flow 3:

Average throughput: 9.39 Mbit/s

95th percentile per-packet one-way delay: 54.985 ms

Loss rate: 0.63%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

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

End at: Tue, 04 Jul 2017 23:35:34 +0000

Local clock offset: -1.046 ms

Remote clock offset: -12.044 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.43 Mbit/s

95th percentile per-packet one-way delay: 54.678 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 52.64 Mbit/s

95th percentile per-packet one-way delay: 54.609 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 26.57 Mbit/s

95th percentile per-packet one-way delay: 54.630 ms

Loss rate: 0.26%

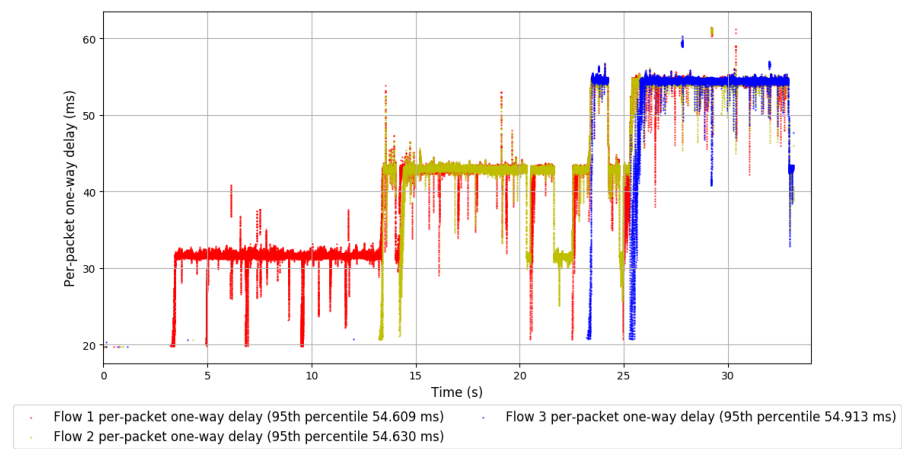
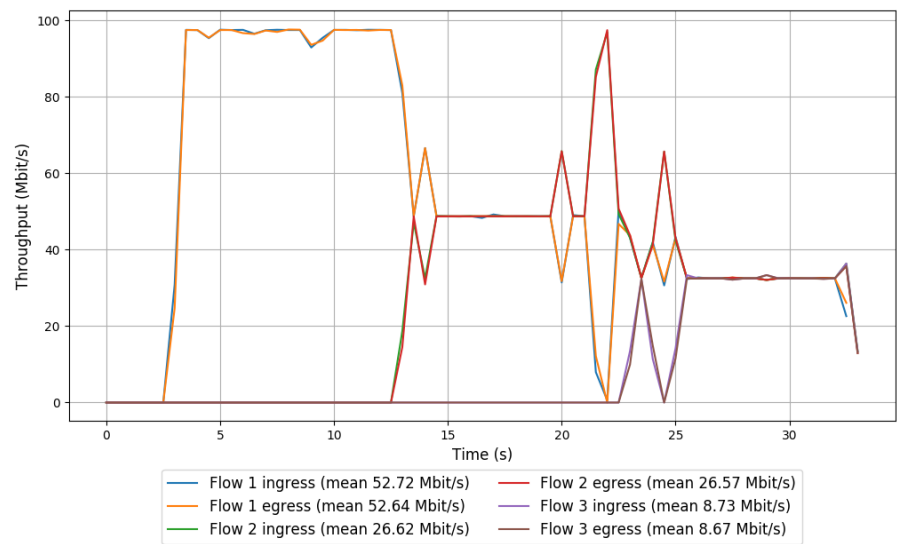
-- Flow 3:

Average throughput: 8.67 Mbit/s

95th percentile per-packet one-way delay: 54.913 ms

Loss rate: 0.81%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:53:07 +0000

End at: Tue, 04 Jul 2017 23:53:37 +0000

Local clock offset: 1.887 ms

Remote clock offset: -12.625 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.08 Mbit/s

95th percentile per-packet one-way delay: 63.211 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 52.74 Mbit/s

95th percentile per-packet one-way delay: 62.507 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 20.28 Mbit/s

95th percentile per-packet one-way delay: 63.758 ms

Loss rate: 0.32%

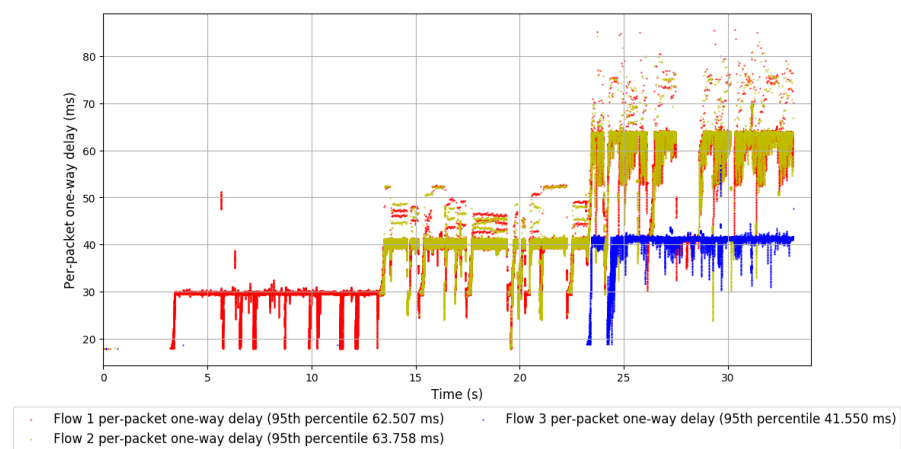
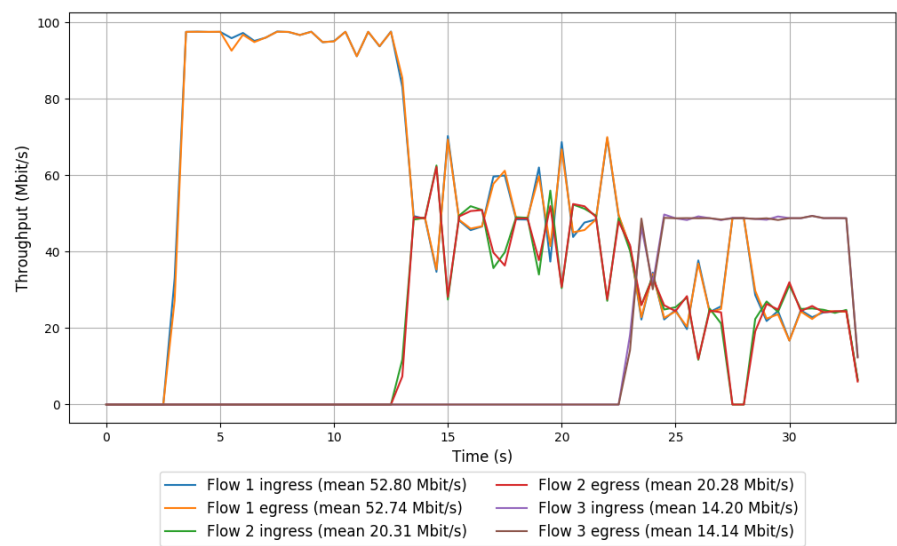
-- Flow 3:

Average throughput: 14.14 Mbit/s

95th percentile per-packet one-way delay: 41.550 ms

Loss rate: 0.51%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Wed, 05 Jul 2017 00:10:54 +0000

End at: Wed, 05 Jul 2017 00:11:24 +0000

Local clock offset: 1.084 ms

Remote clock offset: -15.399 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.55 Mbit/s

95th percentile per-packet one-way delay: 52.112 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 53.98 Mbit/s

95th percentile per-packet one-way delay: 52.056 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 24.20 Mbit/s

95th percentile per-packet one-way delay: 52.115 ms

Loss rate: 0.29%

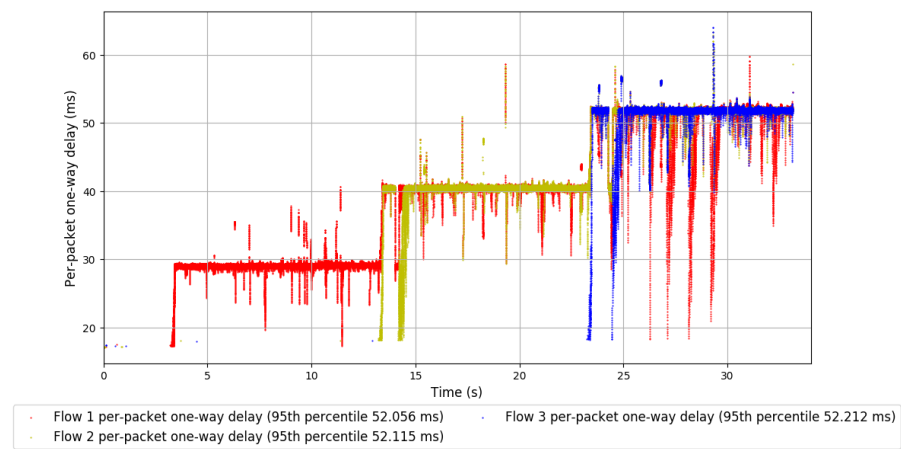
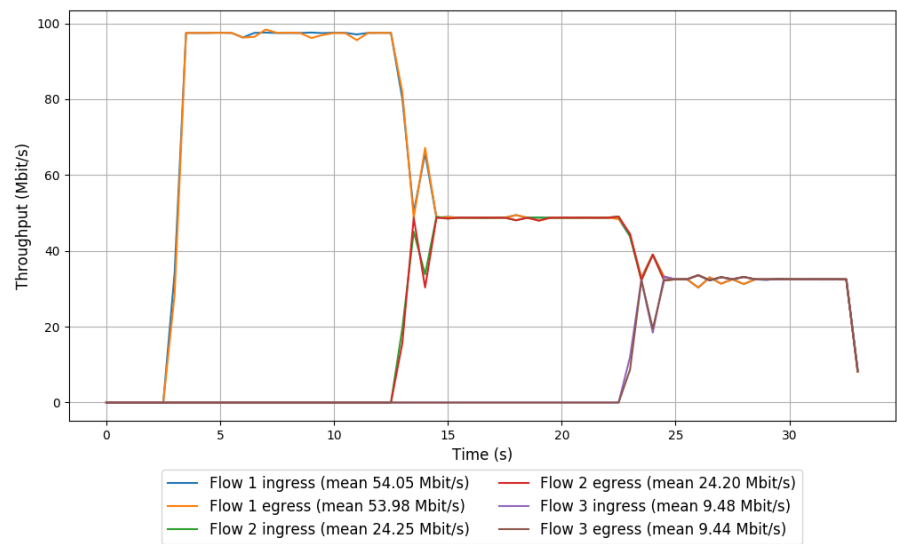
-- Flow 3:

Average throughput: 9.44 Mbit/s

95th percentile per-packet one-way delay: 52.212 ms

Loss rate: 0.60%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Wed, 05 Jul 2017 00:28:48 +0000

End at: Wed, 05 Jul 2017 00:29:18 +0000

Local clock offset: 2.935 ms

Remote clock offset: -12.815 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.27 Mbit/s

95th percentile per-packet one-way delay: 52.909 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 52.83 Mbit/s

95th percentile per-packet one-way delay: 52.719 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 25.01 Mbit/s

95th percentile per-packet one-way delay: 52.897 ms

Loss rate: 0.24%

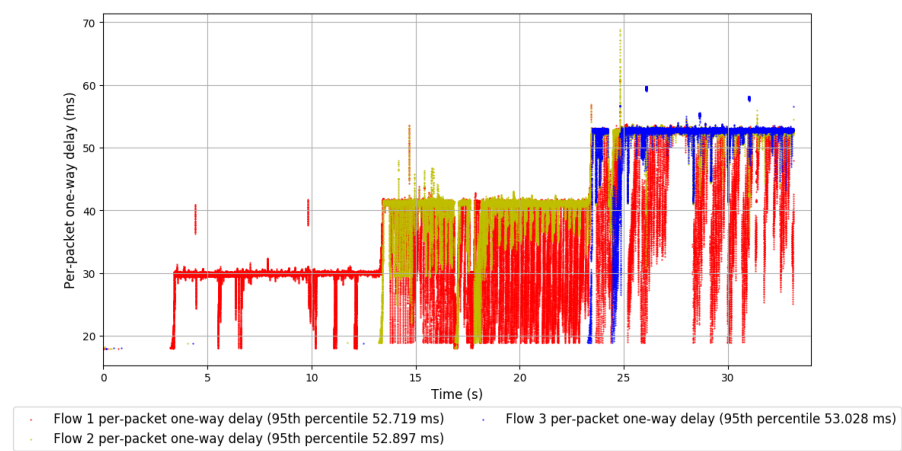
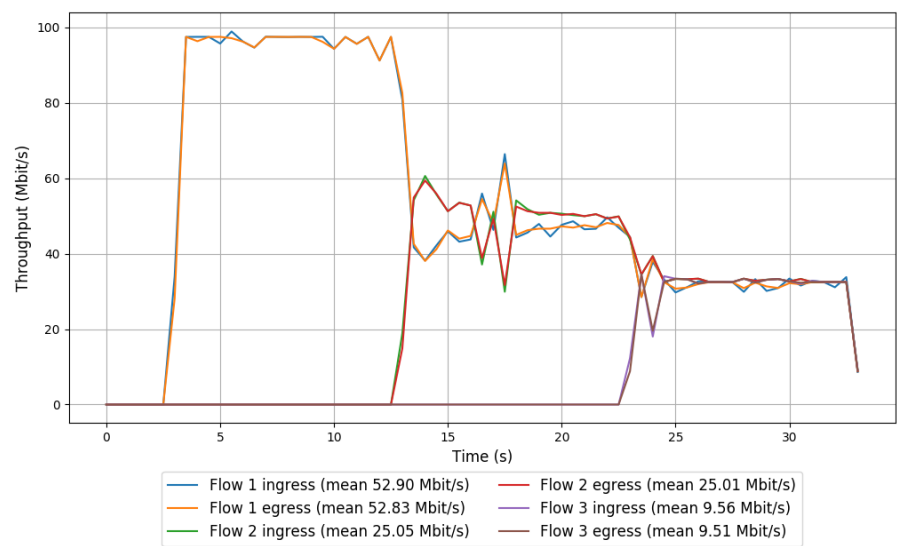
-- Flow 3:

Average throughput: 9.51 Mbit/s

95th percentile per-packet one-way delay: 53.028 ms

Loss rate: 0.60%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 21:49:58 +0000

End at: Tue, 04 Jul 2017 21:50:28 +0000

Local clock offset: 0.269 ms

Remote clock offset: -16.169 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 23.596 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 23.450 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 23.559 ms

Loss rate: 0.00%

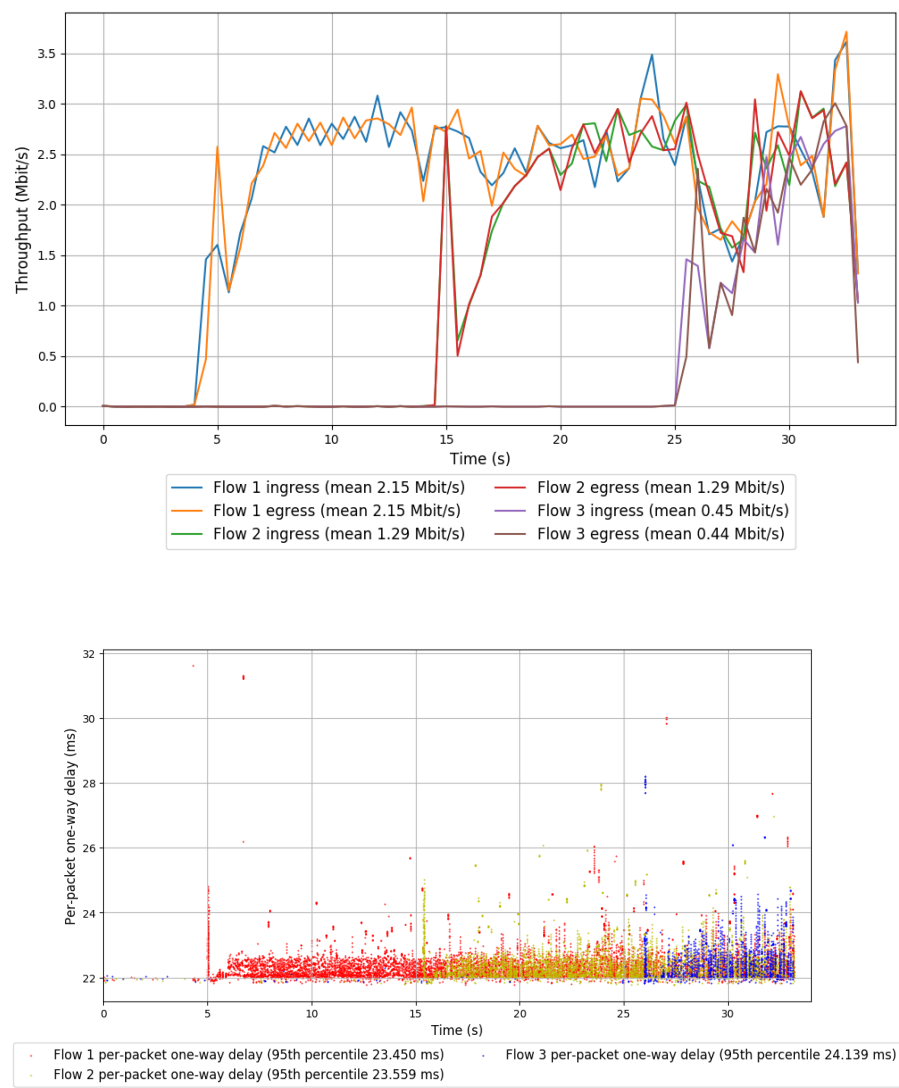
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 24.139 ms

Loss rate: 1.98%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 22:08:15 +0000

End at: Tue, 04 Jul 2017 22:08:45 +0000

Local clock offset: 1.055 ms

Remote clock offset: -15.349 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 17.887 ms

Loss rate: 0.50%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 17.771 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 18.115 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 17.883 ms

Loss rate: 1.58%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 22:26:19 +0000

End at: Tue, 04 Jul 2017 22:26:49 +0000

Local clock offset: -0.346 ms

Remote clock offset: -11.639 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 20.506 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 2.16 Mbit/s

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

Loss rate: 0.09%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 20.505 ms

Loss rate: 0.61%

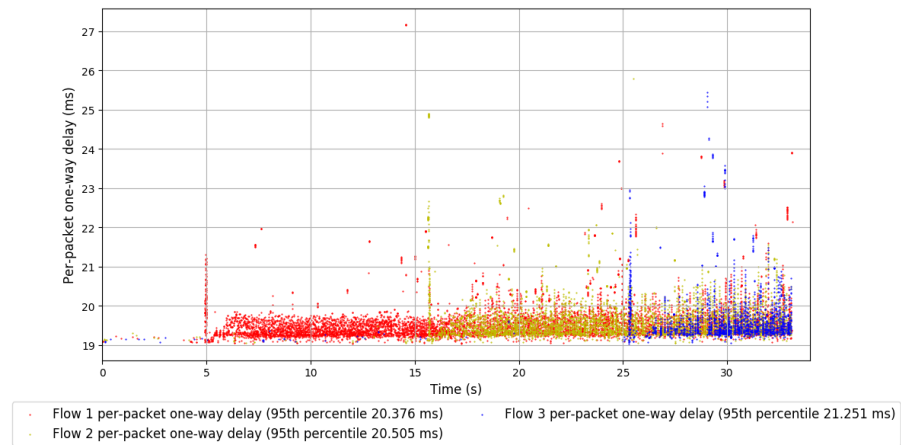
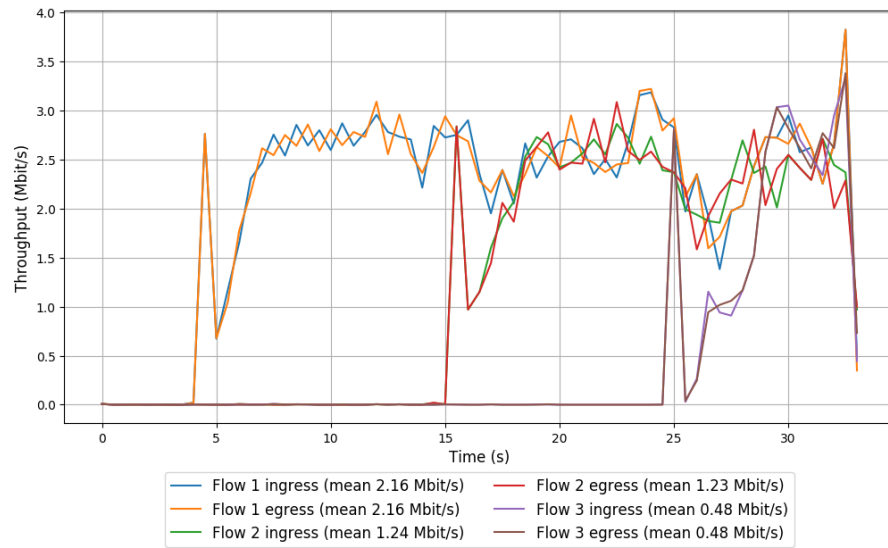
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 21.251 ms

Loss rate: 0.01%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 22:44:18 +0000

End at: Tue, 04 Jul 2017 22:44:48 +0000

Local clock offset: 1.635 ms

Remote clock offset: -13.232 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 21.309 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 21.168 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 21.332 ms

Loss rate: 0.00%

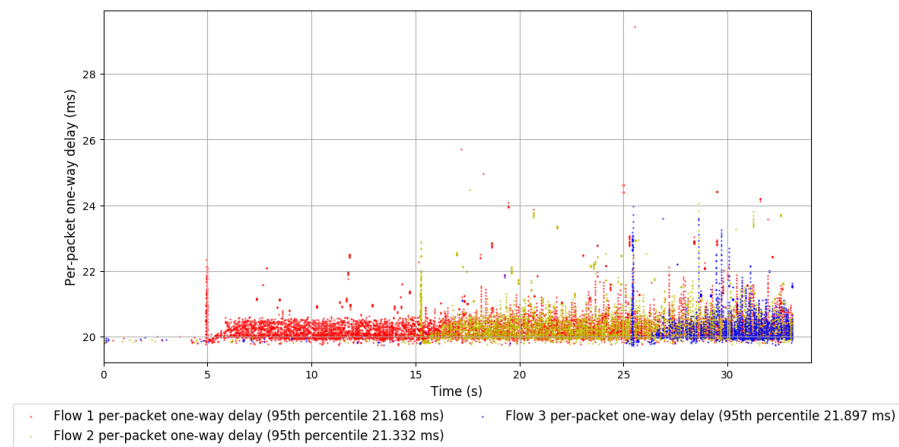
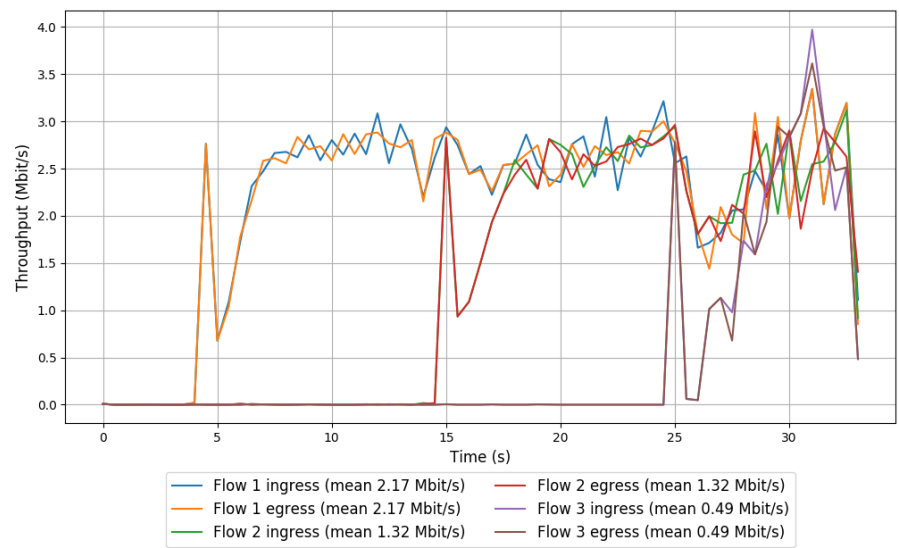
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 21.897 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:02:30 +0000

End at: Tue, 04 Jul 2017 23:03:00 +0000

Local clock offset: 0.672 ms

Remote clock offset: -13.225 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 20.730 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 20.385 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 20.773 ms

Loss rate: 0.07%

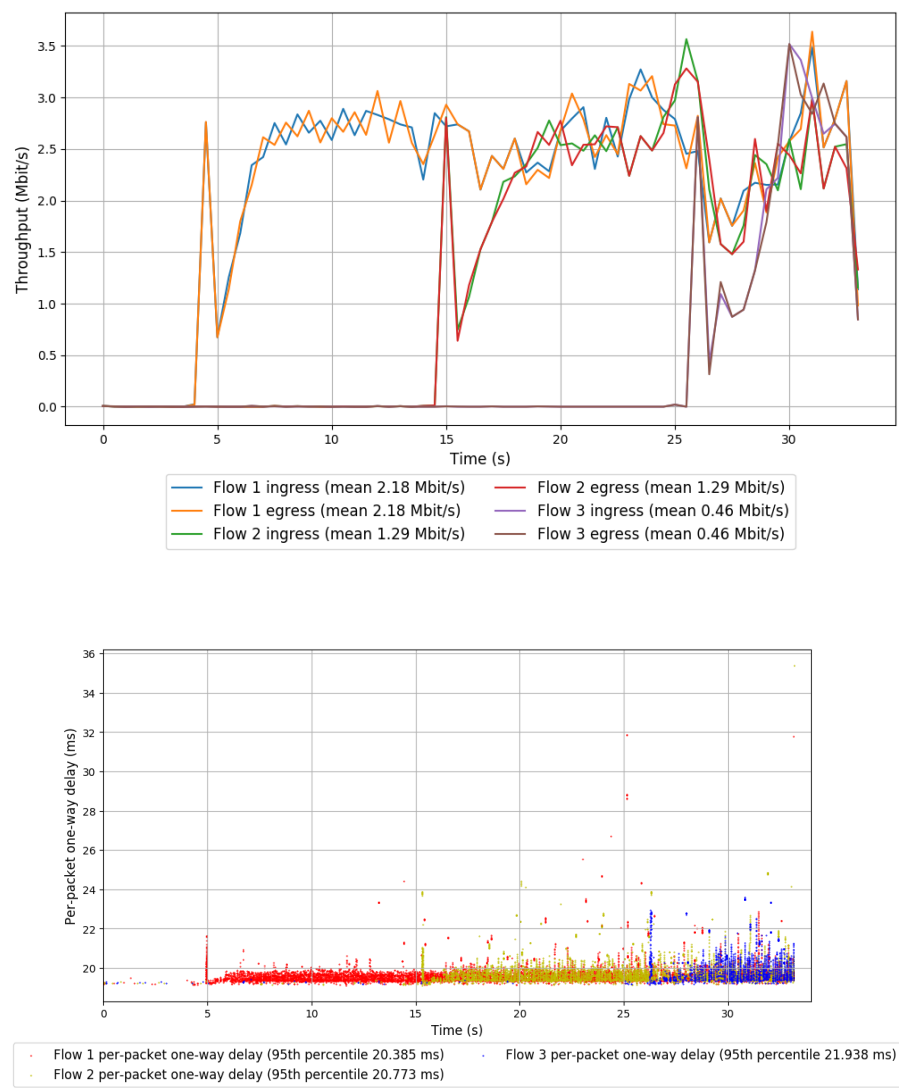
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 21.938 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:20:39 +0000

End at: Tue, 04 Jul 2017 23:21:09 +0000

Local clock offset: 1.706 ms

Remote clock offset: -13.071 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 21.249 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 21.065 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 21.376 ms

Loss rate: 0.44%

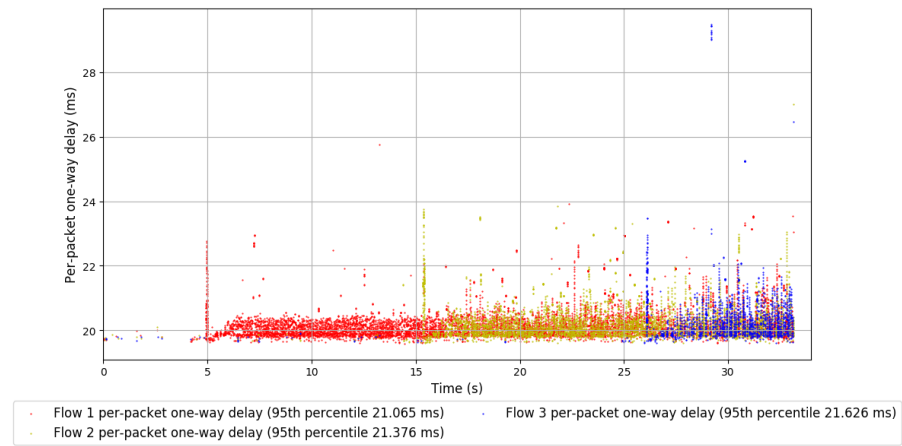
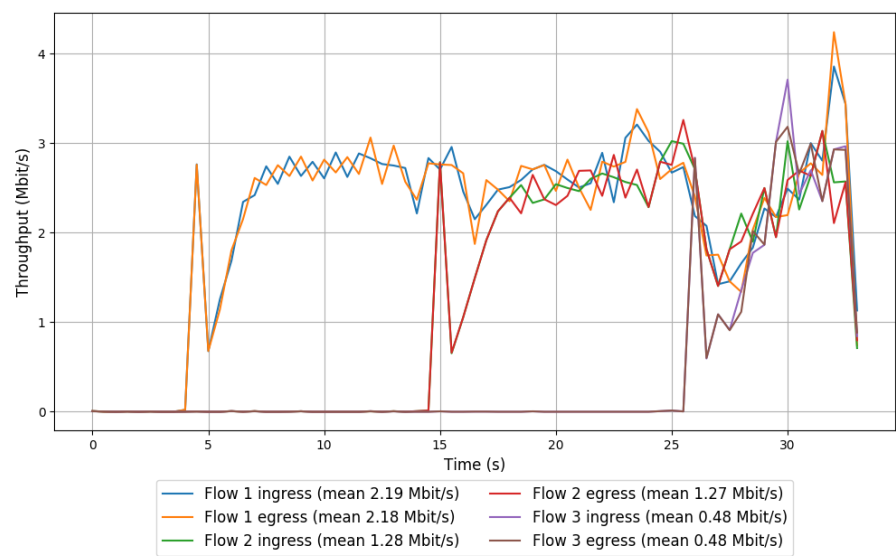
-- Flow 3:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 21.626 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:38:44 +0000

End at: Tue, 04 Jul 2017 23:39:14 +0000

Local clock offset: 1.256 ms

Remote clock offset: -12.317 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 20.973 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 20.797 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 21.013 ms

Loss rate: 0.44%

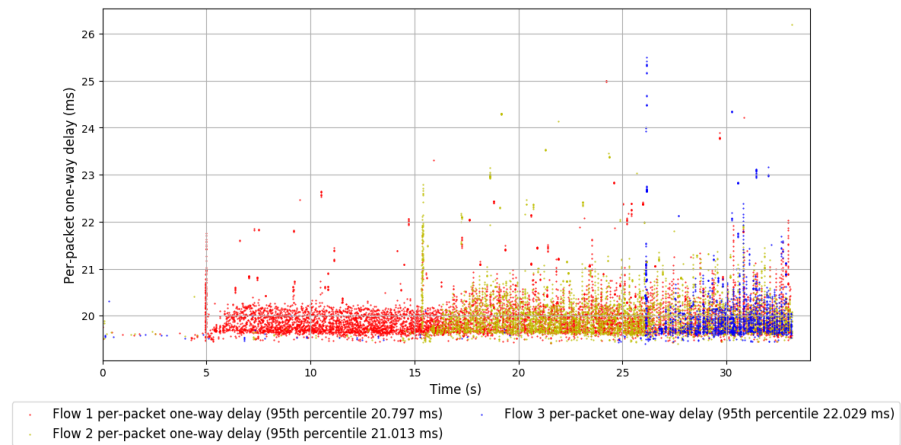
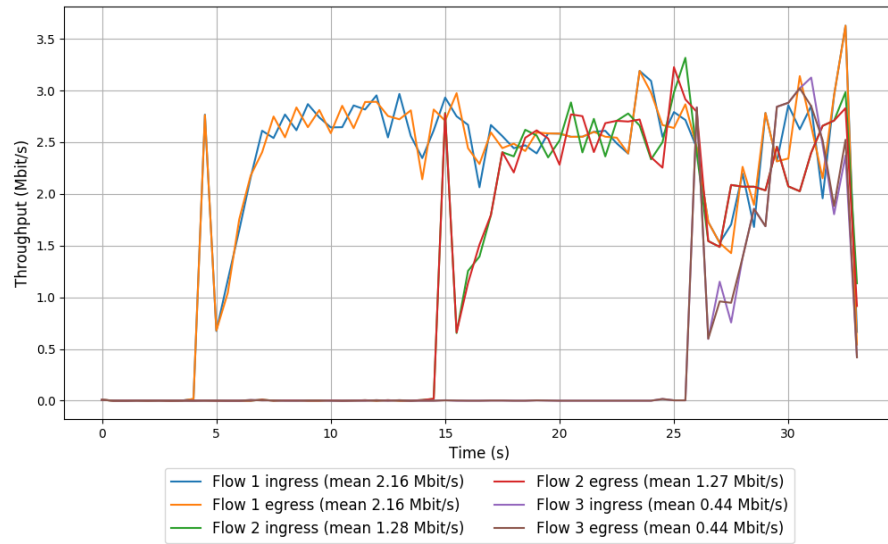
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 22.029 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:56:44 +0000

End at: Tue, 04 Jul 2017 23:57:14 +0000

Local clock offset: 0.944 ms

Remote clock offset: -13.167 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 19.040 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 18.907 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.27 Mbit/s

95th percentile per-packet one-way delay: 19.272 ms

Loss rate: 0.00%

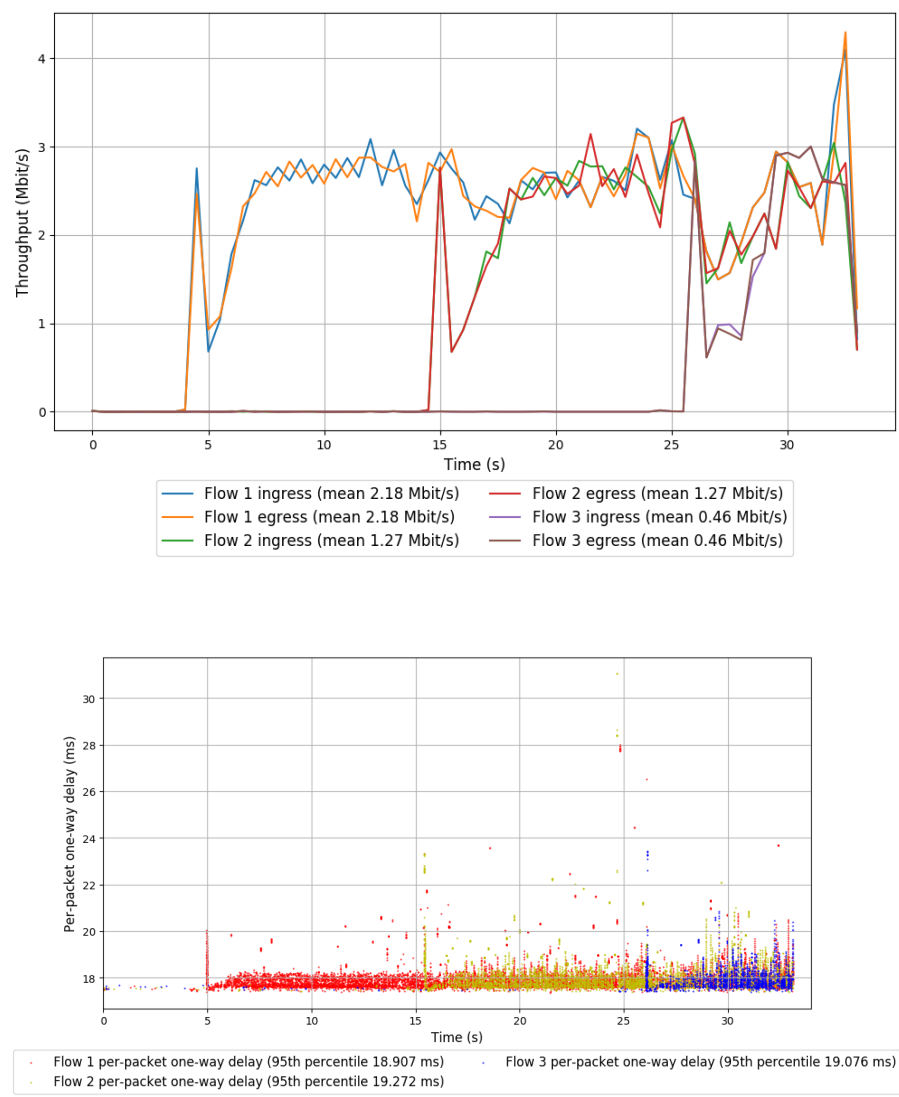
-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 19.076 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 00:14:32 +0000

End at: Wed, 05 Jul 2017 00:15:02 +0000

Local clock offset: 2.109 ms

Remote clock offset: -13.922 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.94 Mbit/s

95th percentile per-packet one-way delay: 18.808 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 18.525 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 19.010 ms

Loss rate: 0.00%

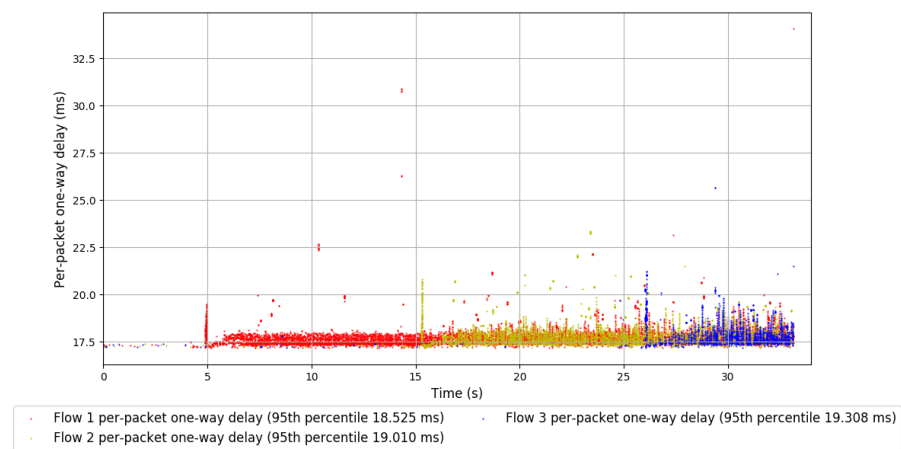
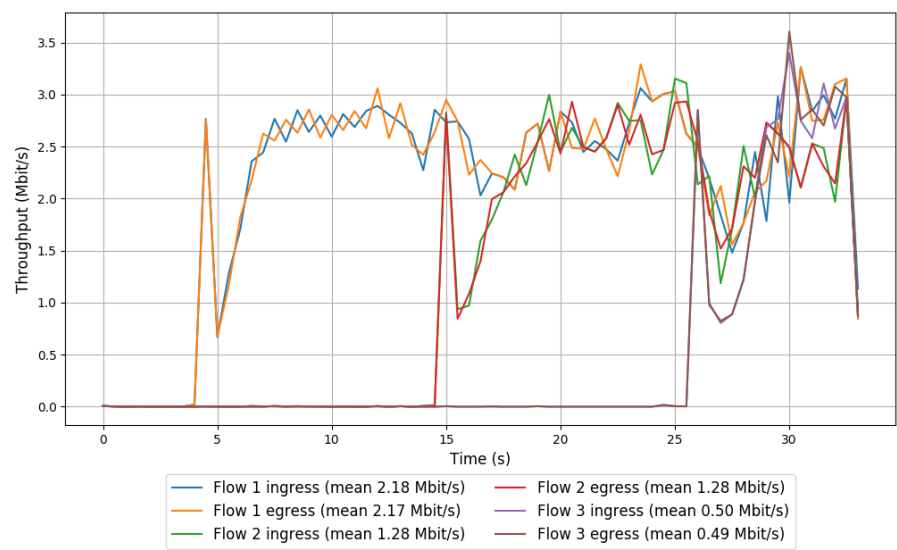
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 19.308 ms

Loss rate: 0.18%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 00:32:24 +0000

End at: Wed, 05 Jul 2017 00:32:54 +0000

Local clock offset: 1.404 ms

Remote clock offset: -11.645 ms

Below is generated by plot.py at Wed, 05 Jul 2017 02:02:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 19.586 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 19.412 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 1.30 Mbit/s

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

Loss rate: 0.41%

-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 19.731 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

