

Pantheon Summary (Generated at Wed, 05 Jul 2017 01:40:01 +0000 with pantheon version afeabcbf9f0bccb7f5555428c3b5bcceec857e76)

Repeated the test of 15 congestion control schemes 10 times.

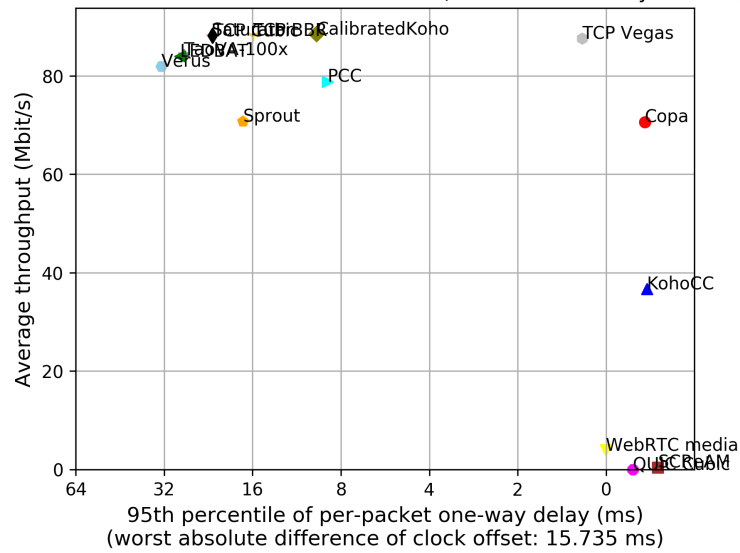
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

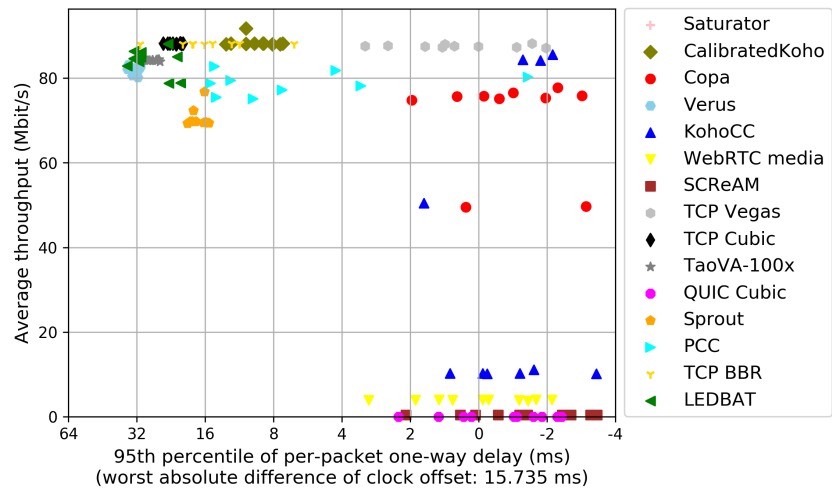
NTP offset measured against gps.ntp.br.

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

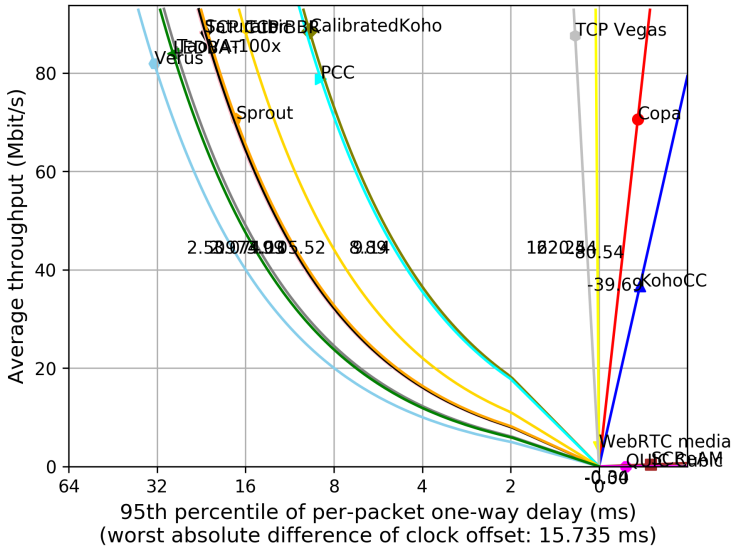
test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



test from Brazil Ethernet to AWS Brazil 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 21:34:23 +0000

End at: Tue, 04 Jul 2017 21:34:53 +0000

Local clock offset: -1.316 ms

Remote clock offset: -2.337 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 18.256 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 55.27 Mbit/s

95th percentile per-packet one-way delay: 10.258 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 23.23 Mbit/s

95th percentile per-packet one-way delay: 16.955 ms

Loss rate: 0.08%

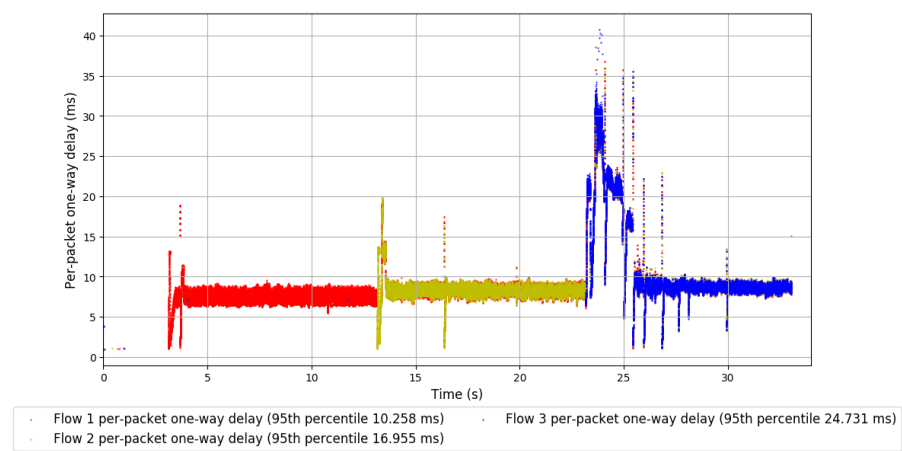
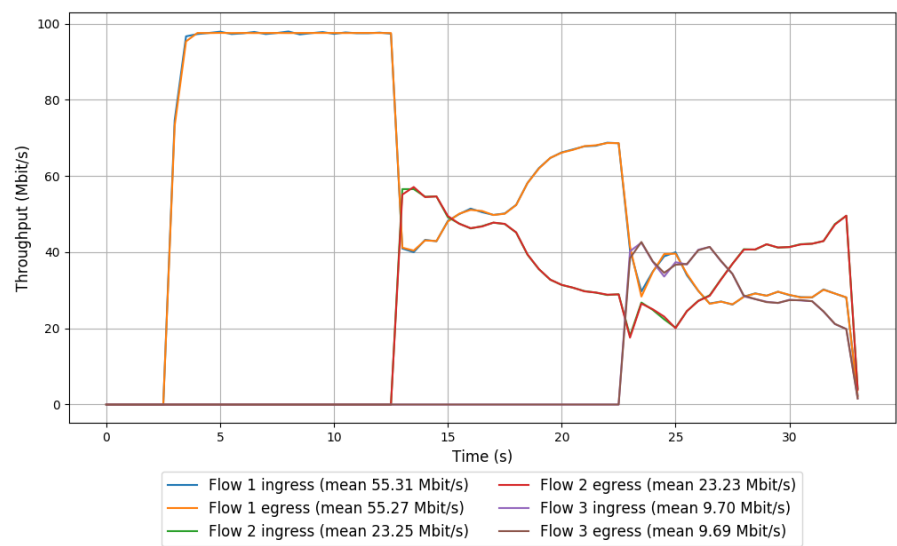
-- Flow 3:

Average throughput: 9.69 Mbit/s

95th percentile per-packet one-way delay: 24.731 ms

Loss rate: 0.16%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 21:51:49 +0000

End at: Tue, 04 Jul 2017 21:52:19 +0000

Local clock offset: -0.878 ms

Remote clock offset: -2.911 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.13 Mbit/s

95th percentile per-packet one-way delay: 18.103 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 61.45 Mbit/s

95th percentile per-packet one-way delay: 17.907 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 21.05 Mbit/s

95th percentile per-packet one-way delay: 17.884 ms

Loss rate: 0.09%

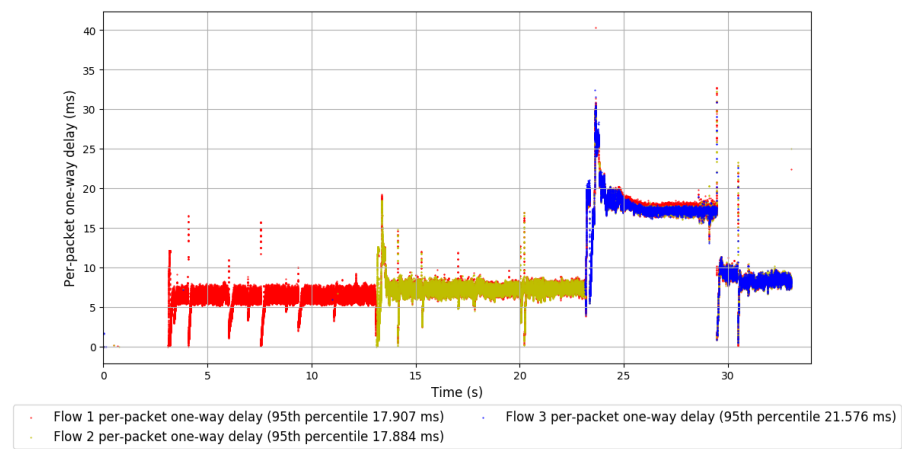
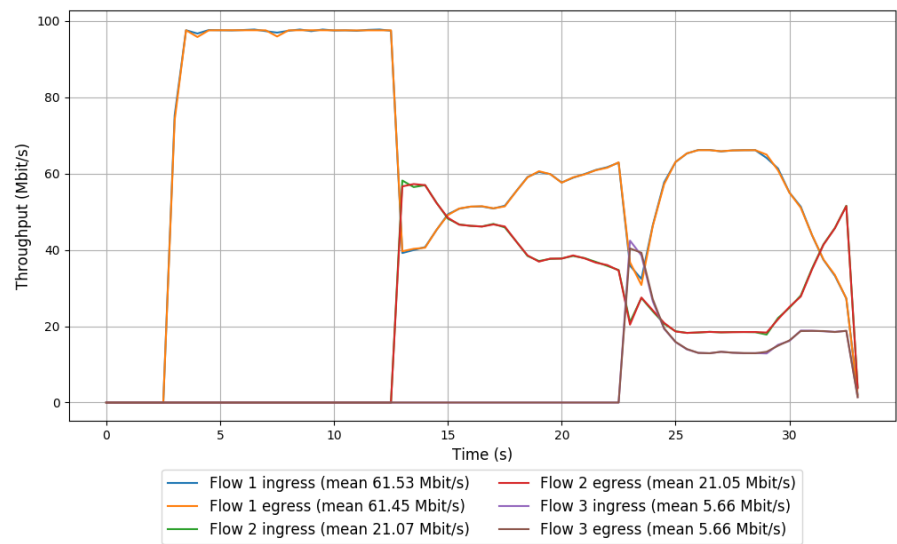
-- Flow 3:

Average throughput: 5.66 Mbit/s

95th percentile per-packet one-way delay: 21.576 ms

Loss rate: 0.12%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 22:08:57 +0000

End at: Tue, 04 Jul 2017 22:09:27 +0000

Local clock offset: -0.48 ms

Remote clock offset: -3.59 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.06 Mbit/s

95th percentile per-packet one-way delay: 16.147 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 51.36 Mbit/s

95th percentile per-packet one-way delay: 7.051 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 23.65 Mbit/s

95th percentile per-packet one-way delay: 16.354 ms

Loss rate: 0.15%

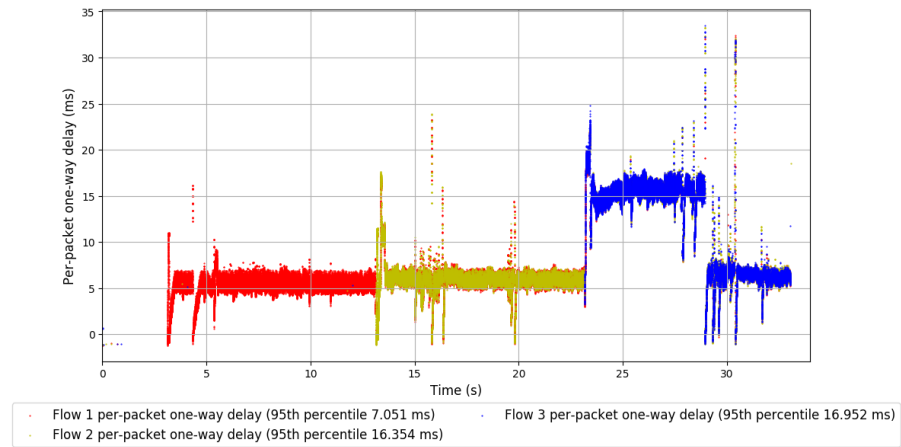
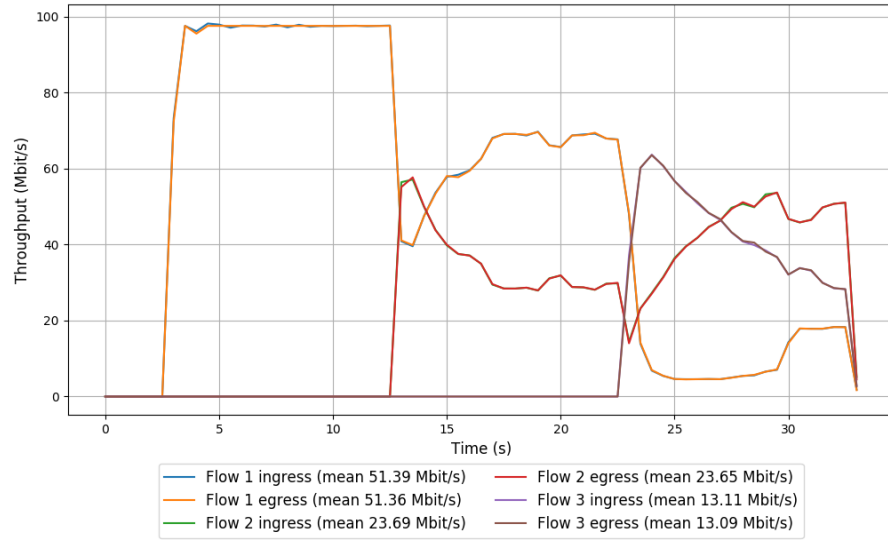
-- Flow 3:

Average throughput: 13.09 Mbit/s

95th percentile per-packet one-way delay: 16.952 ms

Loss rate: 0.10%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

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

End at: Tue, 04 Jul 2017 22:26:34 +0000

Local clock offset: -0.071 ms

Remote clock offset: -3.975 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.10 Mbit/s

95th percentile per-packet one-way delay: 6.505 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 53.35 Mbit/s

95th percentile per-packet one-way delay: 6.121 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 21.52 Mbit/s

95th percentile per-packet one-way delay: 7.508 ms

Loss rate: 0.07%

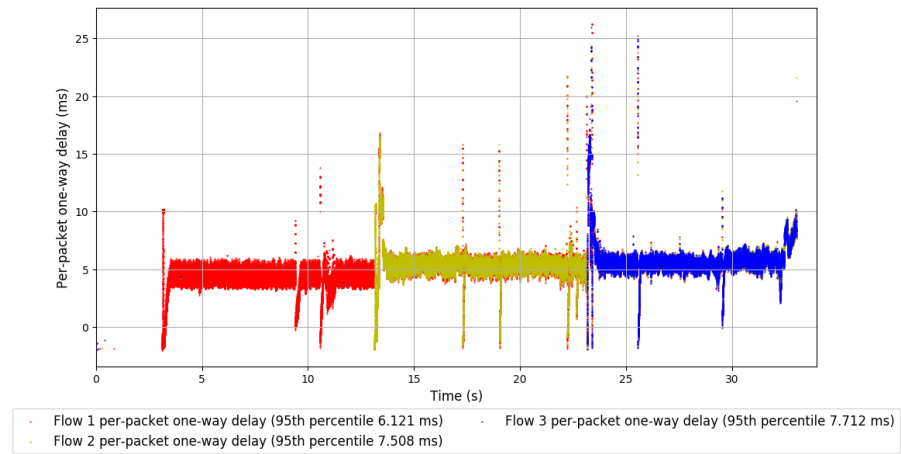
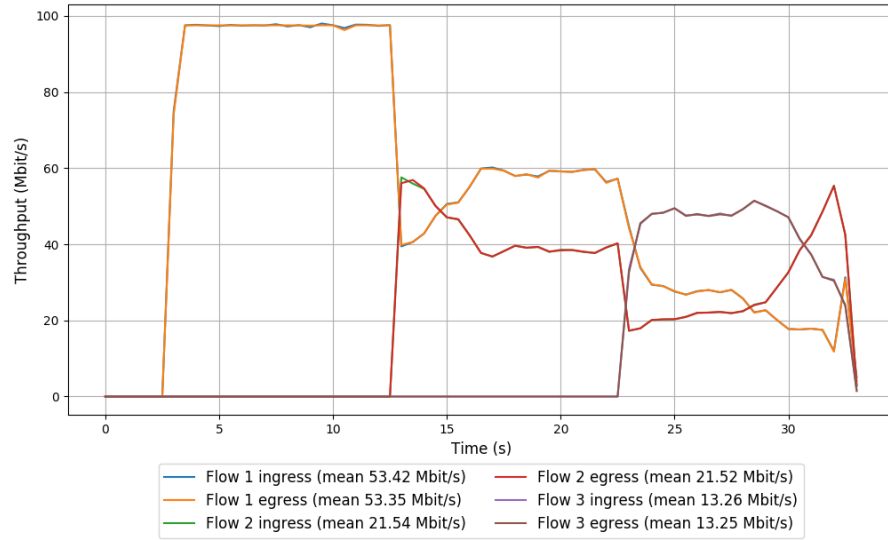
-- Flow 3:

Average throughput: 13.25 Mbit/s

95th percentile per-packet one-way delay: 7.712 ms

Loss rate: 0.09%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 22:43:11 +0000

End at: Tue, 04 Jul 2017 22:43:41 +0000

Local clock offset: 0.289 ms

Remote clock offset: -4.463 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 12.243 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 66.32 Mbit/s

95th percentile per-packet one-way delay: 12.248 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 18.08 Mbit/s

95th percentile per-packet one-way delay: 11.972 ms

Loss rate: 0.03%

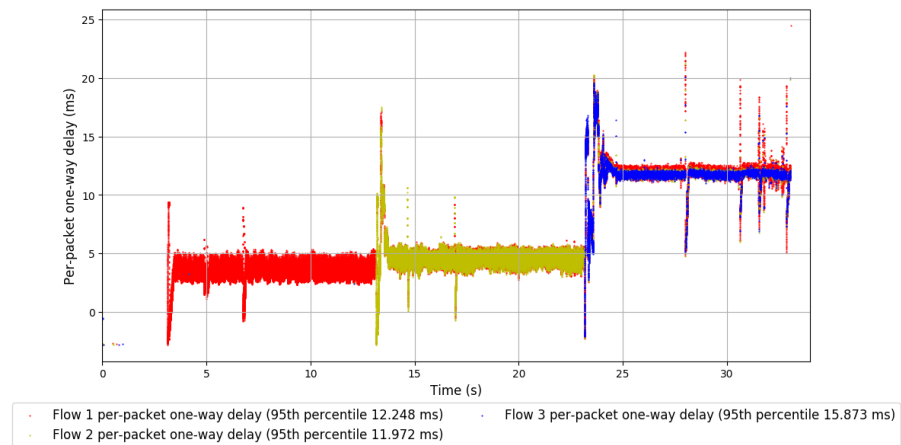
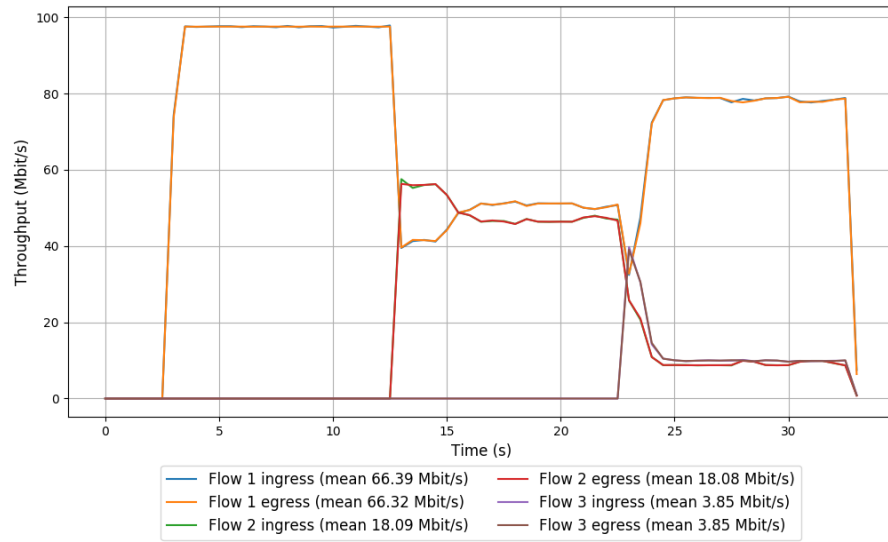
-- Flow 3:

Average throughput: 3.85 Mbit/s

95th percentile per-packet one-way delay: 15.873 ms

Loss rate: 0.14%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

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

End at: Tue, 04 Jul 2017 23:00:53 +0000

Local clock offset: 0.509 ms

Remote clock offset: -4.858 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.09 Mbit/s

95th percentile per-packet one-way delay: 11.333 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 65.80 Mbit/s

95th percentile per-packet one-way delay: 11.336 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 18.93 Mbit/s

95th percentile per-packet one-way delay: 11.054 ms

Loss rate: 0.03%

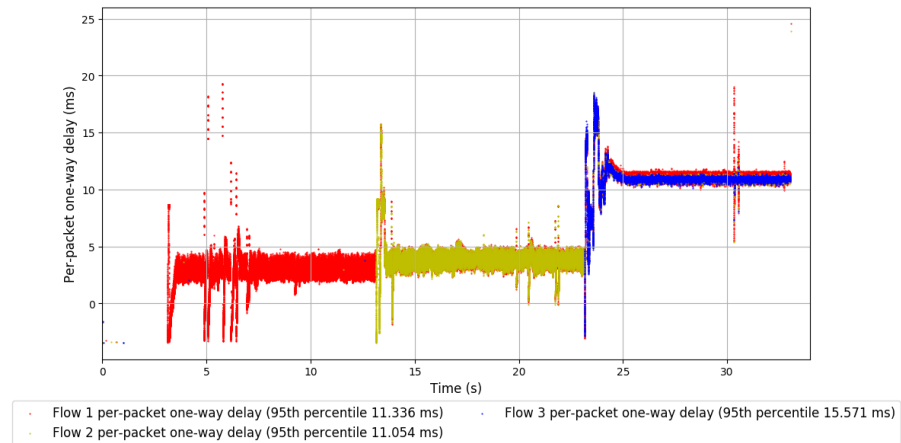
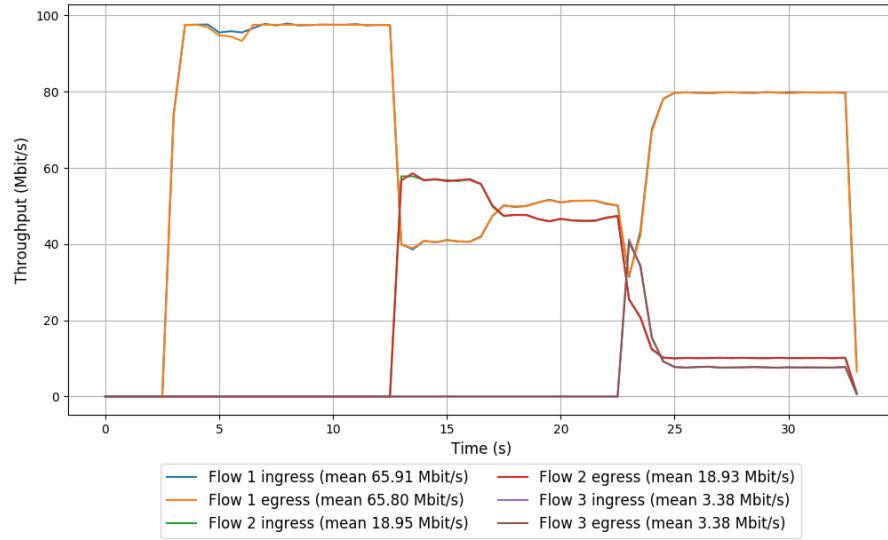
-- Flow 3:

Average throughput: 3.38 Mbit/s

95th percentile per-packet one-way delay: 15.571 ms

Loss rate: 0.12%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:17:31 +0000

End at: Tue, 04 Jul 2017 23:18:01 +0000

Local clock offset: 0.715 ms

Remote clock offset: -4.679 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.19 Mbit/s

95th percentile per-packet one-way delay: 11.262 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 63.64 Mbit/s

95th percentile per-packet one-way delay: 11.305 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 20.31 Mbit/s

95th percentile per-packet one-way delay: 10.925 ms

Loss rate: 0.02%

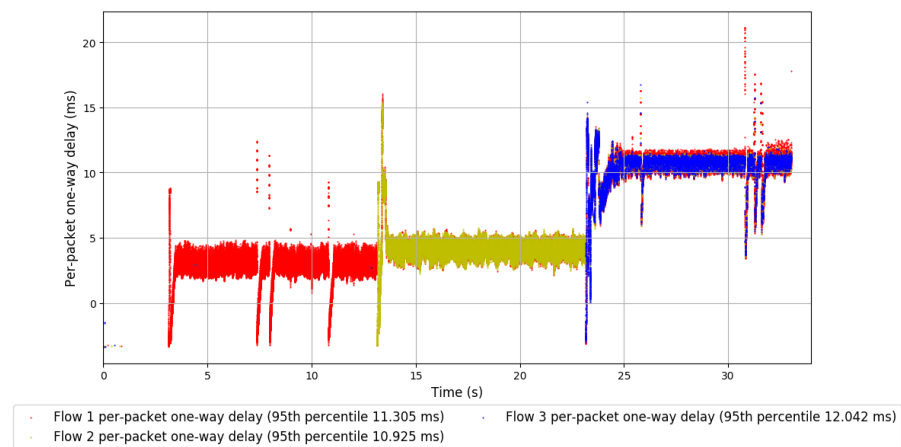
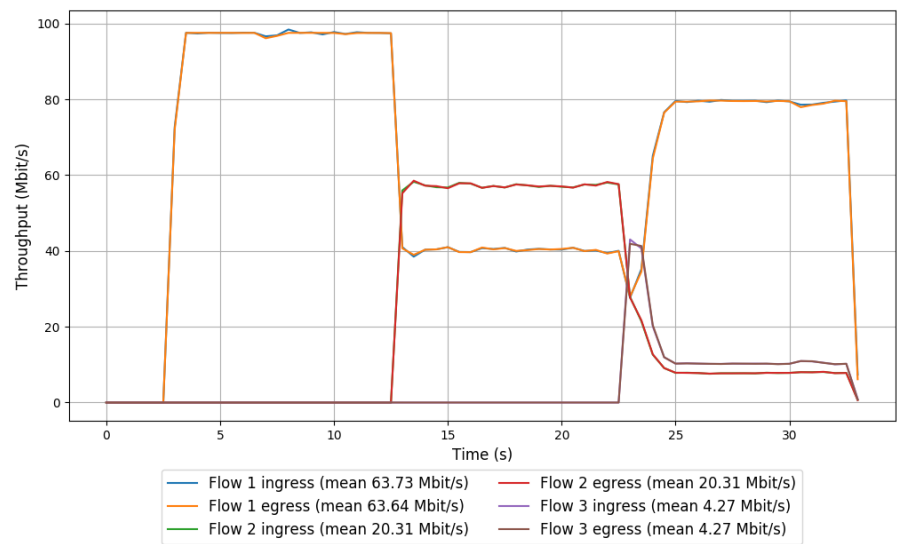
-- Flow 3:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 12.042 ms

Loss rate: 0.14%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:34:46 +0000

End at: Tue, 04 Jul 2017 23:35:16 +0000

Local clock offset: 0.647 ms

Remote clock offset: -3.647 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.13 Mbit/s

95th percentile per-packet one-way delay: 20.086 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 45.98 Mbit/s

95th percentile per-packet one-way delay: 6.879 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 26.86 Mbit/s

95th percentile per-packet one-way delay: 20.135 ms

Loss rate: 0.13%

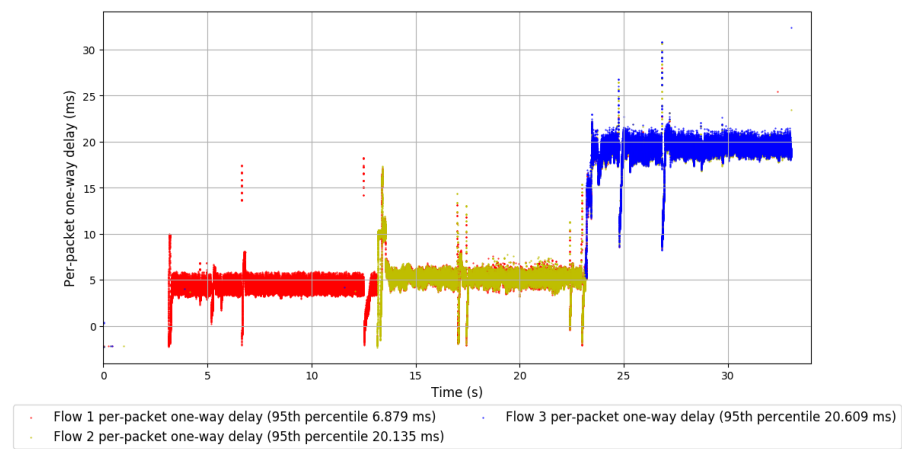
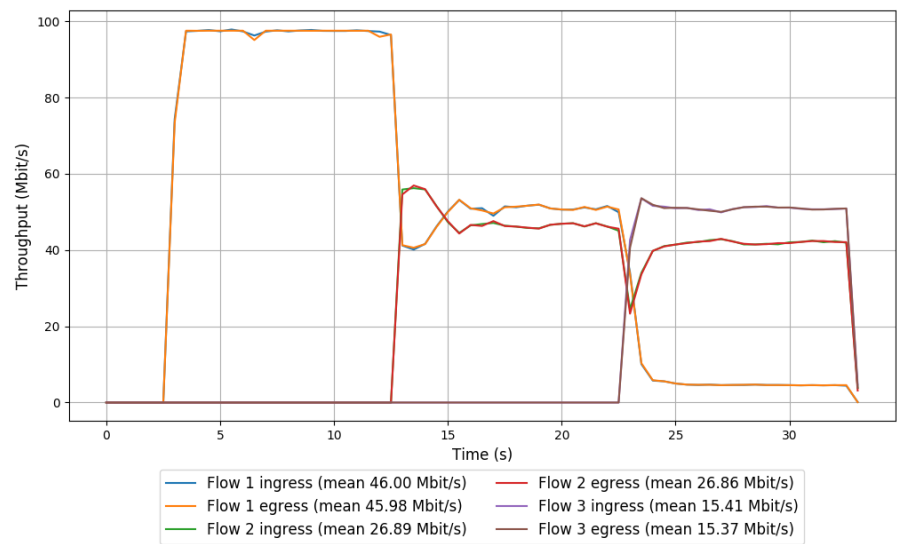
-- Flow 3:

Average throughput: 15.37 Mbit/s

95th percentile per-packet one-way delay: 20.609 ms

Loss rate: 0.29%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 23:52:00 +0000

End at: Tue, 04 Jul 2017 23:52:30 +0000

Local clock offset: 0.473 ms

Remote clock offset: -2.324 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.19 Mbit/s

95th percentile per-packet one-way delay: 14.837 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 64.95 Mbit/s

95th percentile per-packet one-way delay: 14.746 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 18.82 Mbit/s

95th percentile per-packet one-way delay: 14.392 ms

Loss rate: 0.05%

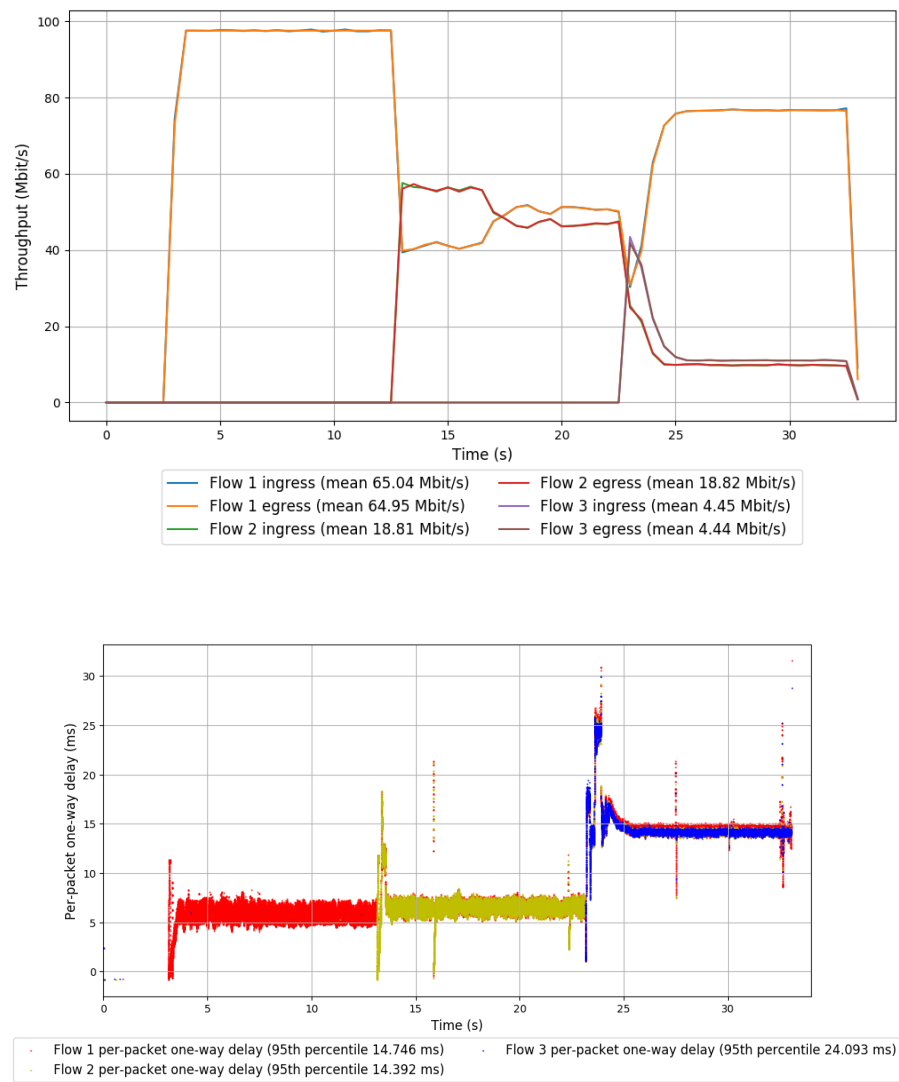
-- Flow 3:

Average throughput: 4.44 Mbit/s

95th percentile per-packet one-way delay: 24.093 ms

Loss rate: 0.16%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 00:09:06 +0000

End at: Wed, 05 Jul 2017 00:09:36 +0000

Local clock offset: 0.25 ms

Remote clock offset: -1.072 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.01 Mbit/s

95th percentile per-packet one-way delay: 30.933 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 47.47 Mbit/s

95th percentile per-packet one-way delay: 27.337 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 25.06 Mbit/s

95th percentile per-packet one-way delay: 31.616 ms

Loss rate: 0.38%

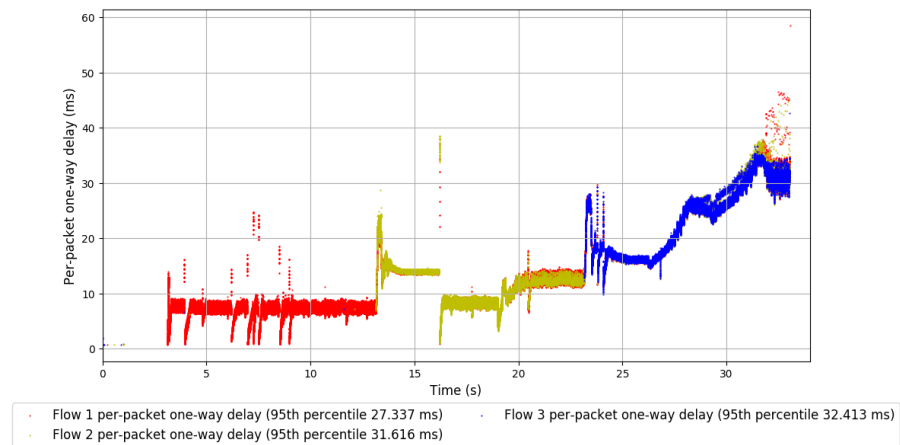
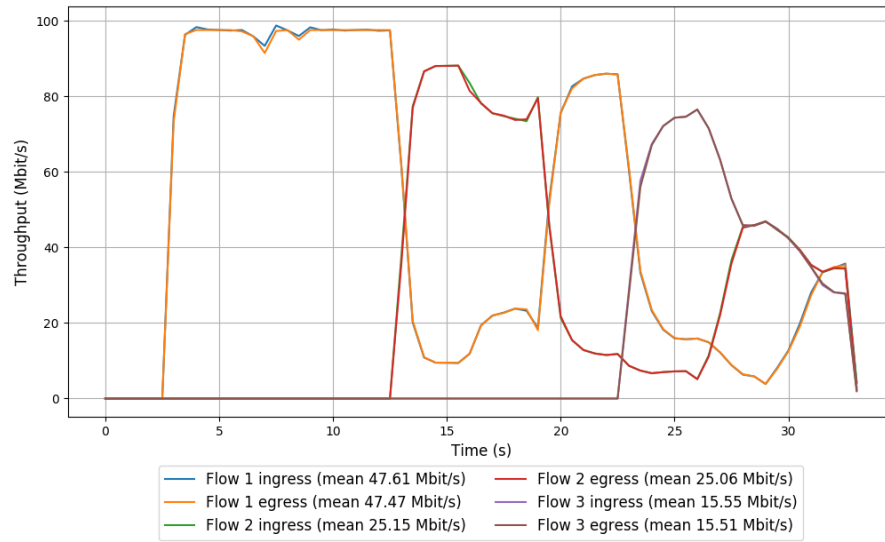
-- Flow 3:

Average throughput: 15.51 Mbit/s

95th percentile per-packet one-way delay: 32.413 ms

Loss rate: 0.25%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 21:41:27 +0000

End at: Tue, 04 Jul 2017 21:41:57 +0000

Local clock offset: -1.153 ms

Remote clock offset: -2.616 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 12.316 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 30.75 Mbit/s

95th percentile per-packet one-way delay: 6.484 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 41.85 Mbit/s

95th percentile per-packet one-way delay: 11.946 ms

Loss rate: 0.01%

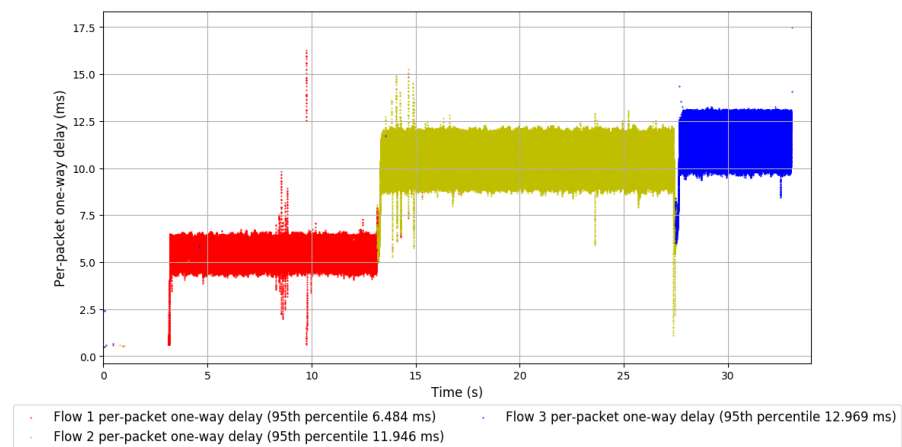
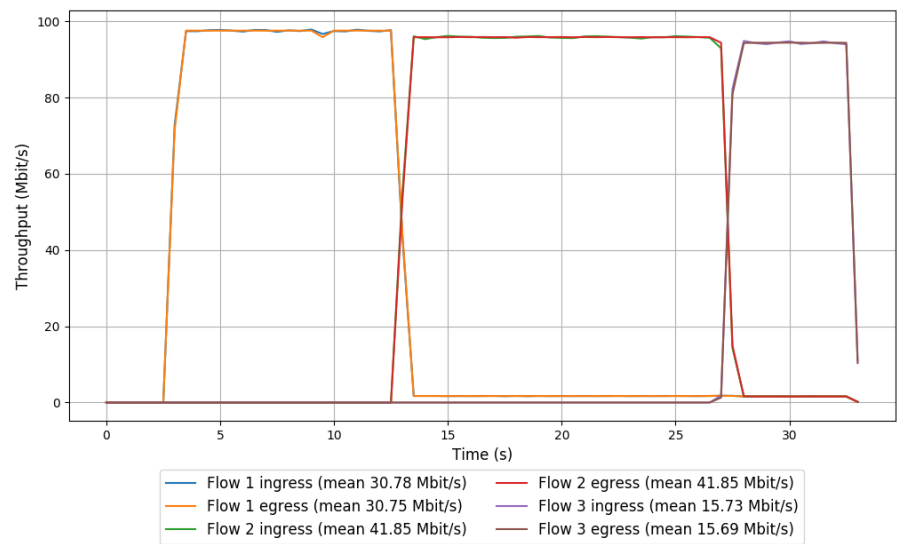
-- Flow 3:

Average throughput: 15.69 Mbit/s

95th percentile per-packet one-way delay: 12.969 ms

Loss rate: 0.25%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 21:58:35 +0000

End at: Tue, 04 Jul 2017 21:59:05 +0000

Local clock offset: -0.707 ms

Remote clock offset: -3.172 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 91.78 Mbit/s

95th percentile per-packet one-way delay: 10.580 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 33.51 Mbit/s

95th percentile per-packet one-way delay: 5.446 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 10.655 ms

Loss rate: 0.10%

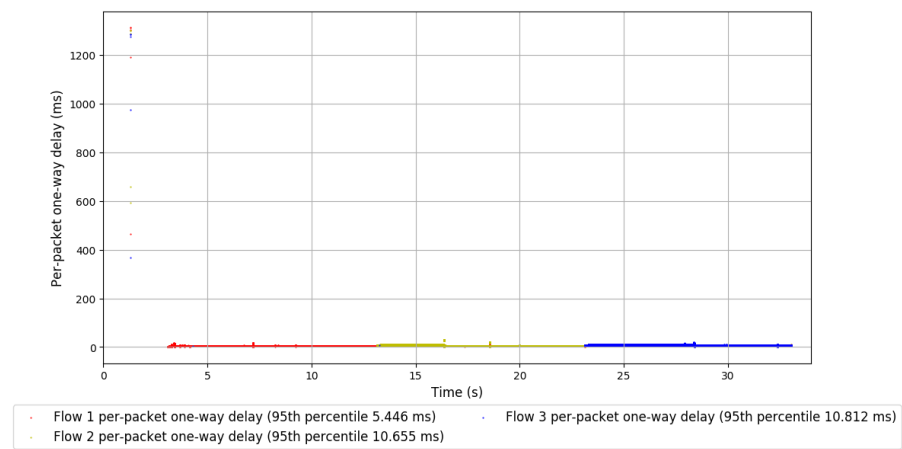
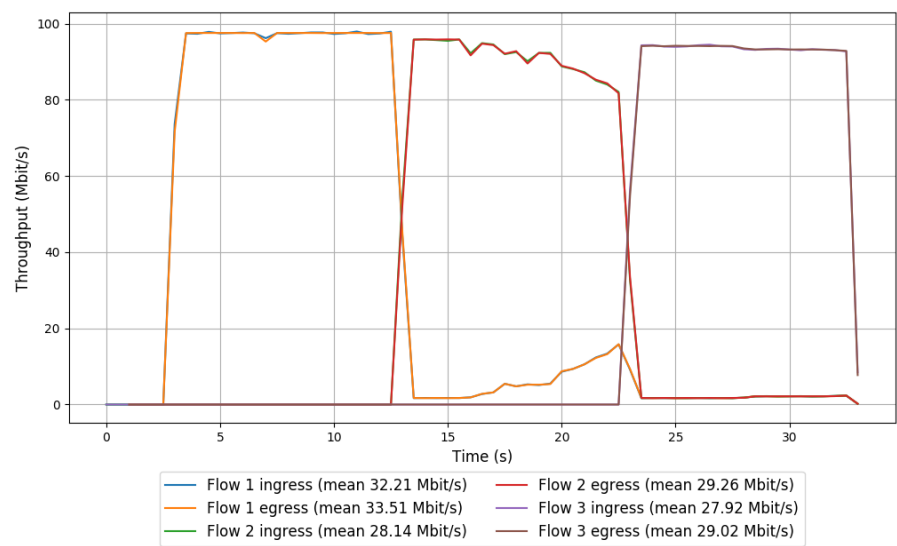
-- Flow 3:

Average throughput: 29.02 Mbit/s

95th percentile per-packet one-way delay: 10.812 ms

Loss rate: 0.12%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:15:41 +0000

End at: Tue, 04 Jul 2017 22:16:11 +0000

Local clock offset: -0.315 ms

Remote clock offset: -3.785 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 9.720 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 30.93 Mbit/s

95th percentile per-packet one-way delay: 4.552 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 34.05 Mbit/s

95th percentile per-packet one-way delay: 9.924 ms

Loss rate: 0.08%

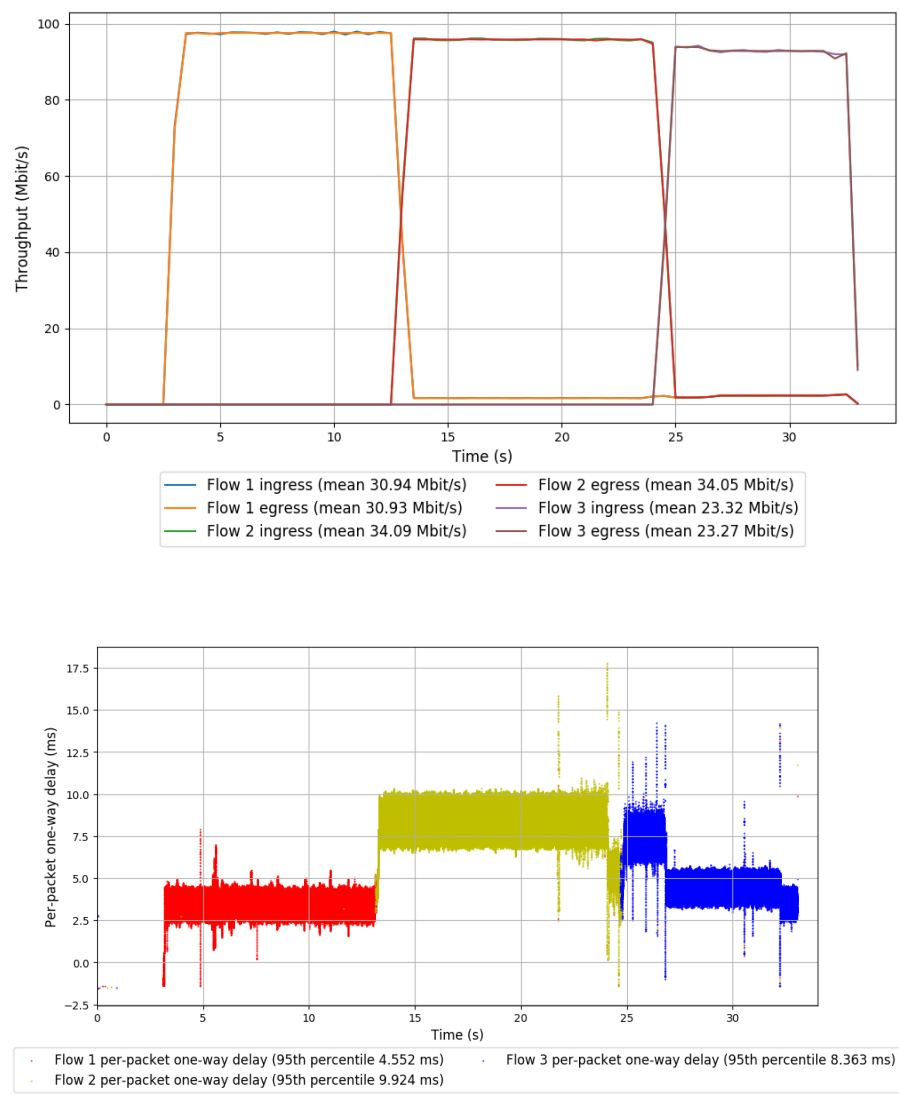
-- Flow 3:

Average throughput: 23.27 Mbit/s

95th percentile per-packet one-way delay: 8.363 ms

Loss rate: 0.22%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:32:49 +0000

End at: Tue, 04 Jul 2017 22:33:19 +0000

Local clock offset: 0.123 ms

Remote clock offset: -4.194 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.18 Mbit/s

95th percentile per-packet one-way delay: 8.865 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 31.11 Mbit/s

95th percentile per-packet one-way delay: 3.466 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 29.40 Mbit/s

95th percentile per-packet one-way delay: 7.385 ms

Loss rate: 0.12%

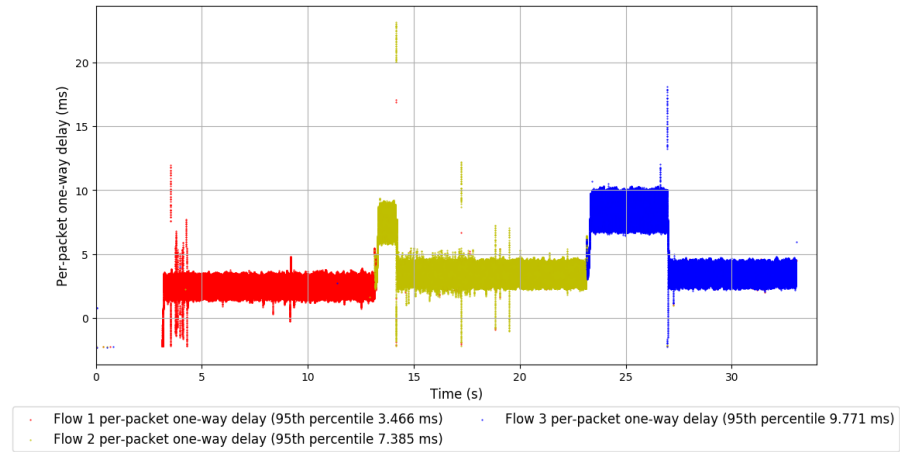
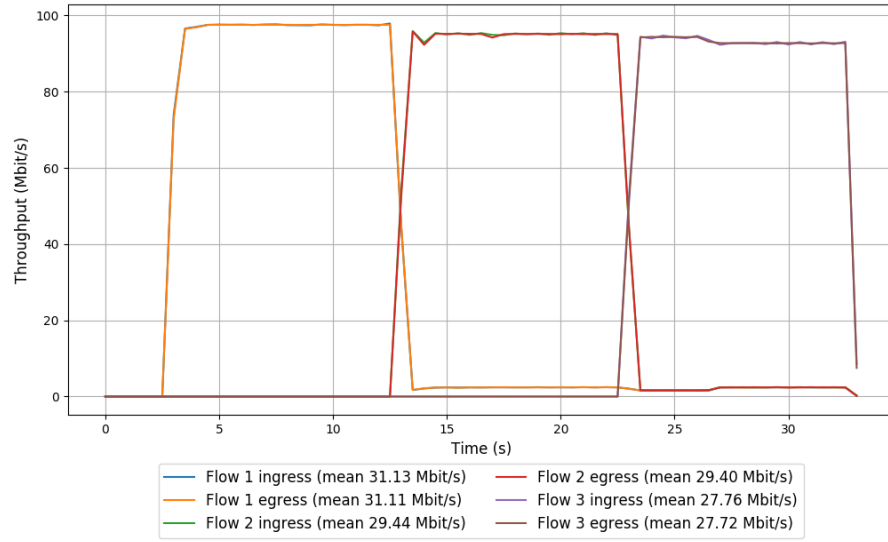
-- Flow 3:

Average throughput: 27.72 Mbit/s

95th percentile per-packet one-way delay: 9.771 ms

Loss rate: 0.16%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 22:50:03 +0000

End at: Tue, 04 Jul 2017 22:50:33 +0000

Local clock offset: 0.396 ms

Remote clock offset: -4.725 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 8.919 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 30.75 Mbit/s

95th percentile per-packet one-way delay: 3.631 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 57.53 Mbit/s

95th percentile per-packet one-way delay: 8.973 ms

Loss rate: 0.07%

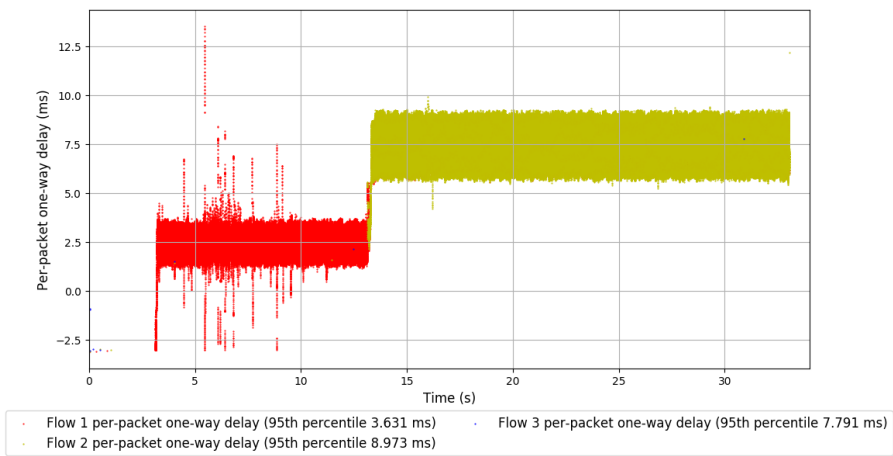
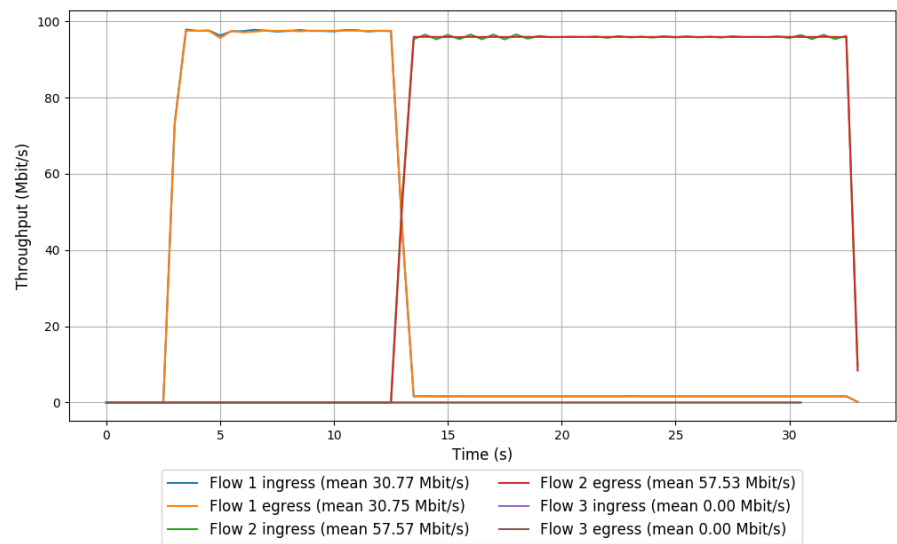
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 7.791 ms

Loss rate: 0.00%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 23:07:09 +0000

End at: Tue, 04 Jul 2017 23:07:39 +0000

Local clock offset: 0.699 ms

Remote clock offset: -4.808 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.18 Mbit/s

95th percentile per-packet one-way delay: 7.295 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 37.85 Mbit/s

95th percentile per-packet one-way delay: 2.454 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 32.08 Mbit/s

95th percentile per-packet one-way delay: 5.089 ms

Loss rate: 0.11%

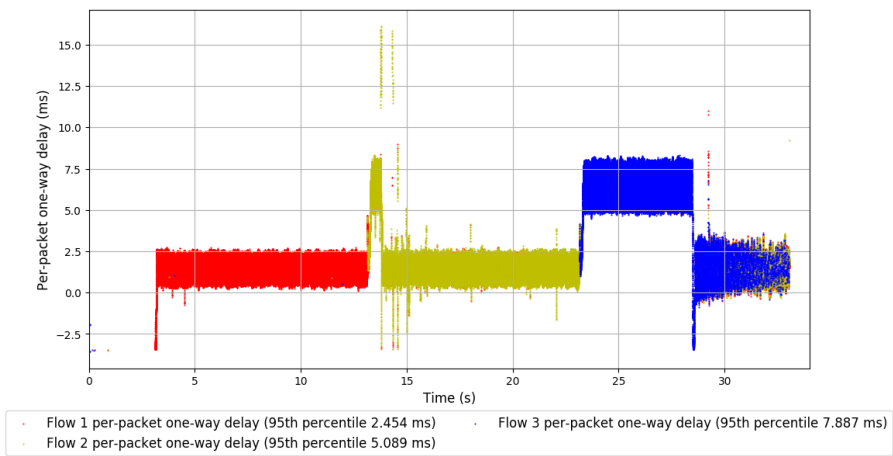
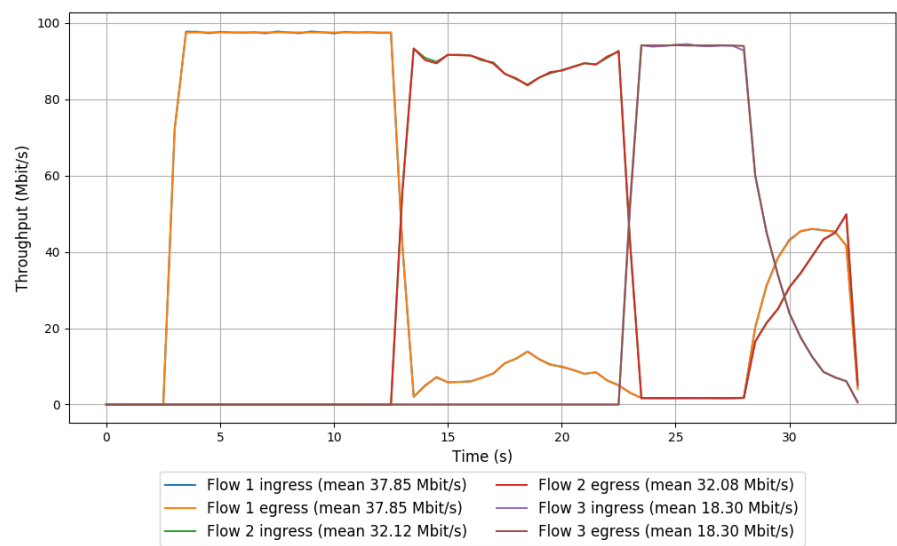
-- Flow 3:

Average throughput: 18.30 Mbit/s

95th percentile per-packet one-way delay: 7.887 ms

Loss rate: 0.01%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

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

End at: Tue, 04 Jul 2017 23:24:53 +0000

Local clock offset: 0.63 ms

Remote clock offset: -4.348 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.07 Mbit/s

95th percentile per-packet one-way delay: 8.100 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 30.69 Mbit/s

95th percentile per-packet one-way delay: 3.877 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 57.41 Mbit/s

95th percentile per-packet one-way delay: 8.492 ms

Loss rate: 0.08%

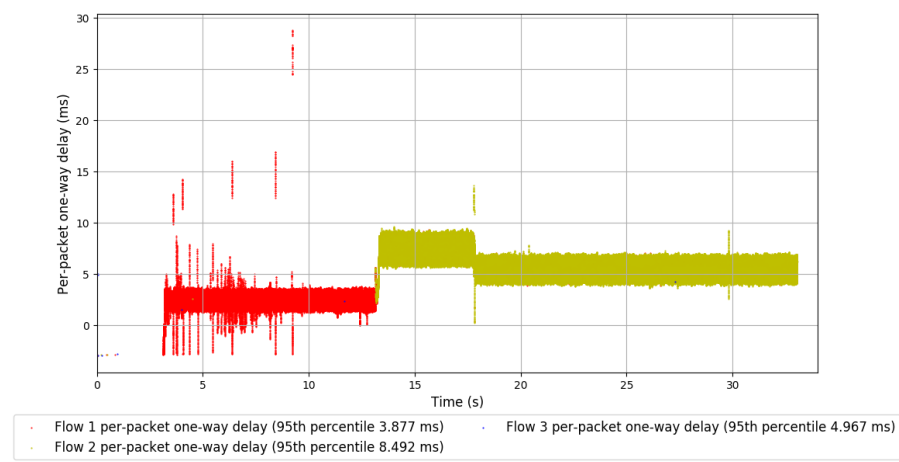
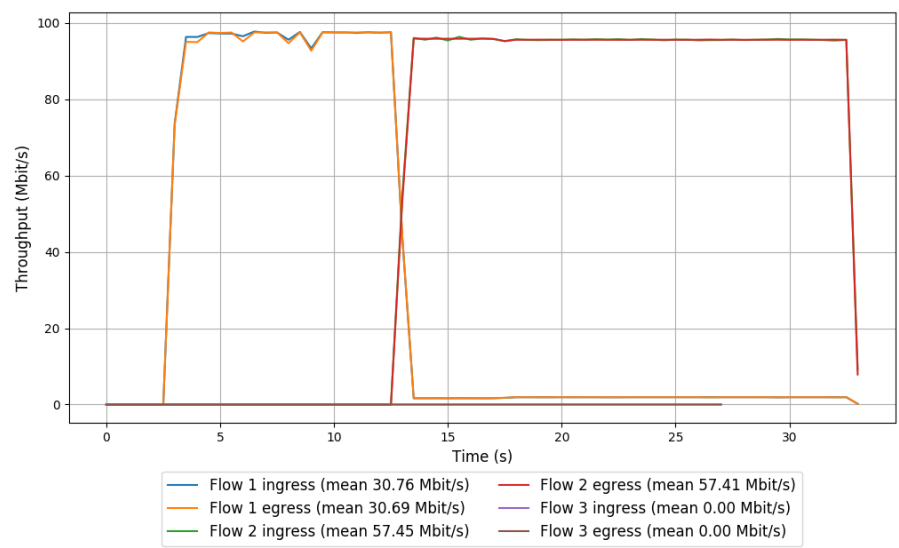
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 4.967 ms

Loss rate: 0.00%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 23:41:37 +0000

End at: Tue, 04 Jul 2017 23:42:07 +0000

Local clock offset: 0.652 ms

Remote clock offset: -3.176 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.02 Mbit/s

95th percentile per-packet one-way delay: 7.480 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 31.90 Mbit/s

95th percentile per-packet one-way delay: 4.418 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 28.85 Mbit/s

95th percentile per-packet one-way delay: 4.540 ms

Loss rate: 0.17%

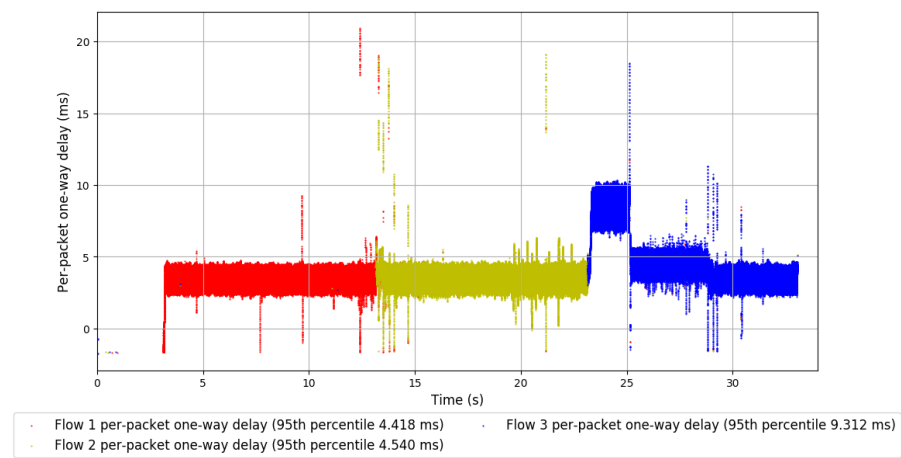
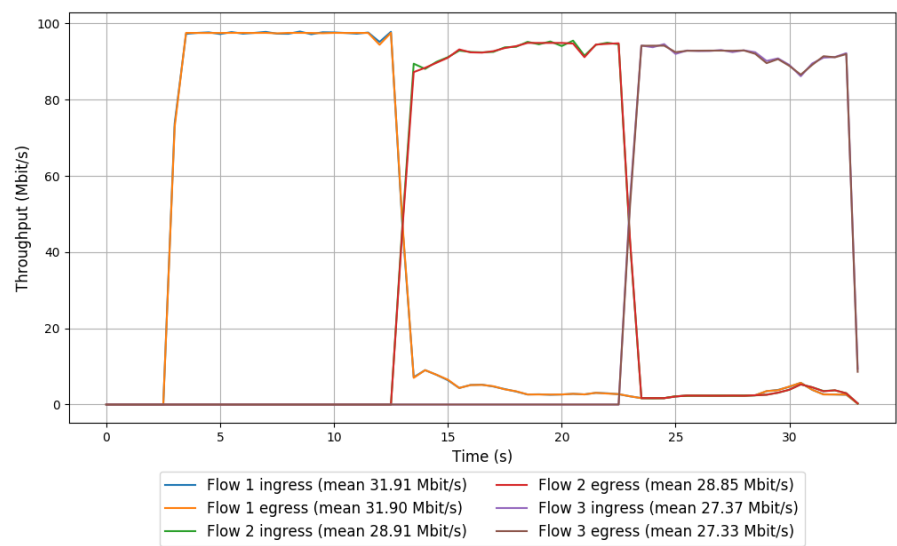
-- Flow 3:

Average throughput: 27.33 Mbit/s

95th percentile per-packet one-way delay: 9.312 ms

Loss rate: 0.17%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 23:58:45 +0000

End at: Tue, 04 Jul 2017 23:59:15 +0000

Local clock offset: 0.384 ms

Remote clock offset: -1.962 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.14 Mbit/s

95th percentile per-packet one-way delay: 10.588 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 30.79 Mbit/s

95th percentile per-packet one-way delay: 5.524 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 29.43 Mbit/s

95th percentile per-packet one-way delay: 10.732 ms

Loss rate: 0.07%

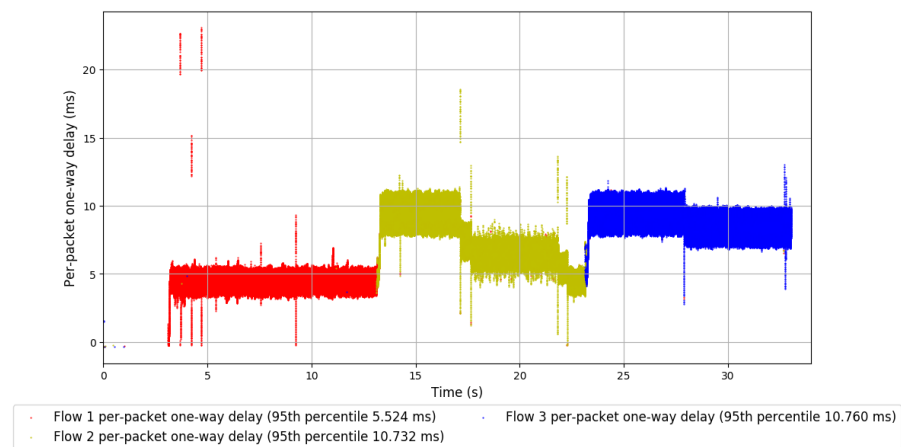
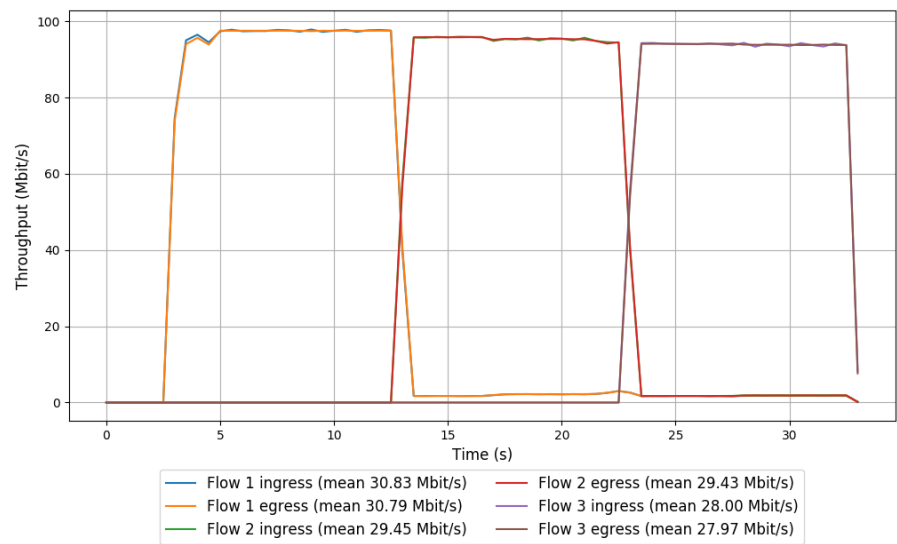
-- Flow 3:

Average throughput: 27.97 Mbit/s

95th percentile per-packet one-way delay: 10.760 ms

Loss rate: 0.12%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 00:15:55 +0000

End at: Wed, 05 Jul 2017 00:16:25 +0000

Local clock offset: 0.157 ms

Remote clock offset: -0.344 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.07 Mbit/s

95th percentile per-packet one-way delay: 12.953 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 30.84 Mbit/s

95th percentile per-packet one-way delay: 7.509 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 30.66 Mbit/s

95th percentile per-packet one-way delay: 12.889 ms

Loss rate: 0.09%

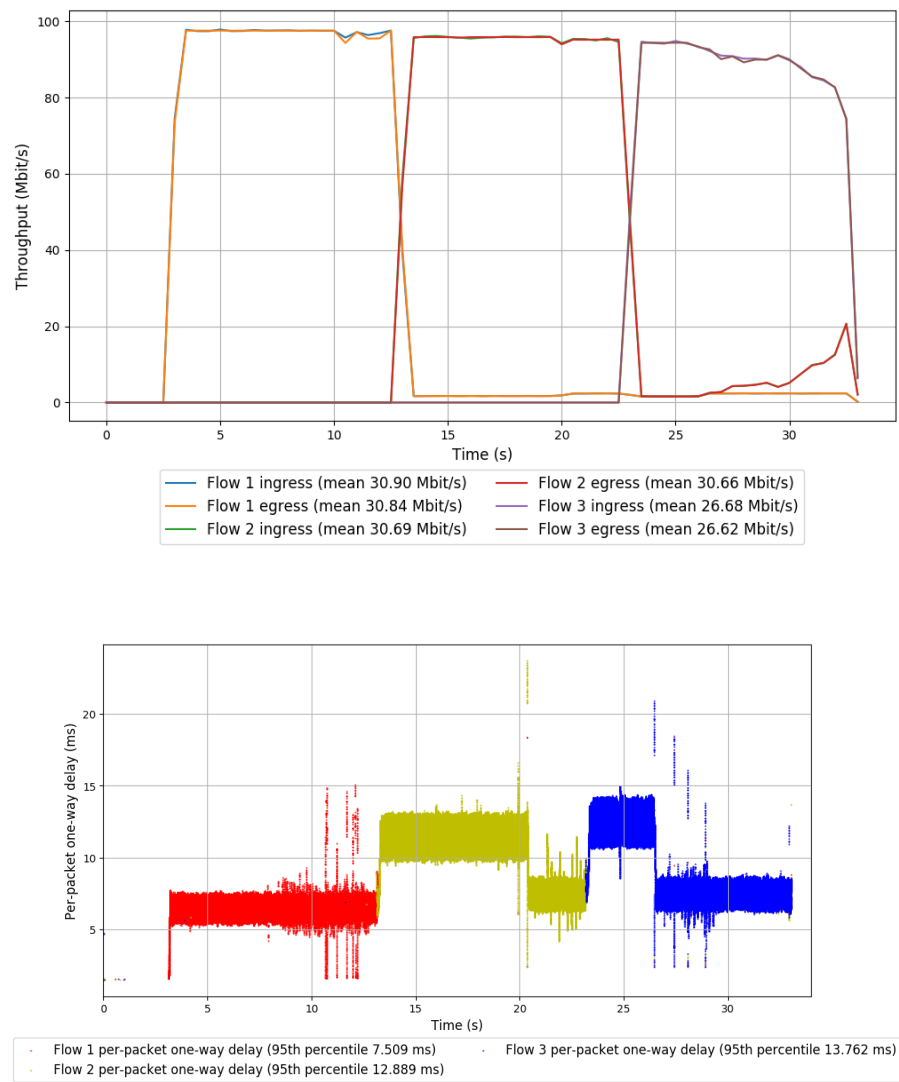
-- Flow 3:

Average throughput: 26.62 Mbit/s

95th percentile per-packet one-way delay: 13.762 ms

Loss rate: 0.23%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Tue, 04 Jul 2017 21:28:33 +0000

End at: Tue, 04 Jul 2017 21:29:03 +0000

Local clock offset: -1.428 ms

Remote clock offset: -2.041 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 74.78 Mbit/s

95th percentile per-packet one-way delay: 1.963 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 42.30 Mbit/s

95th percentile per-packet one-way delay: 1.834 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 23.61 Mbit/s

95th percentile per-packet one-way delay: 1.973 ms

Loss rate: 0.02%

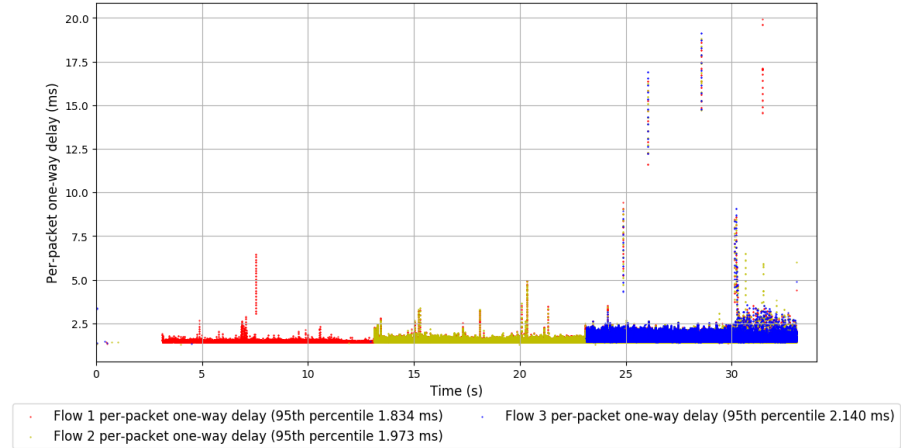
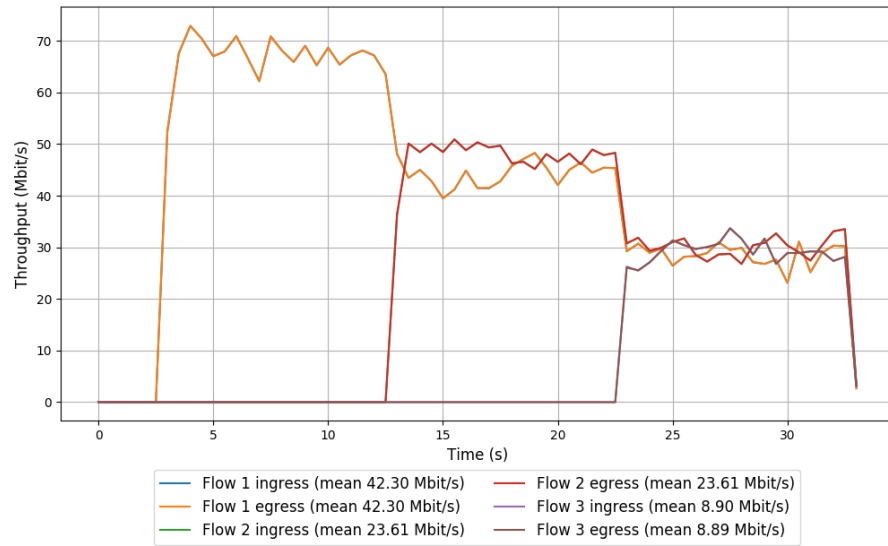
-- Flow 3:

Average throughput: 8.89 Mbit/s

95th percentile per-packet one-way delay: 2.140 ms

Loss rate: 0.03%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Tue, 04 Jul 2017 21:45:59 +0000

End at: Tue, 04 Jul 2017 21:46:29 +0000

Local clock offset: -1.026 ms

Remote clock offset: -2.732 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.68 Mbit/s

95th percentile per-packet one-way delay: 0.635 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 47.53 Mbit/s

95th percentile per-packet one-way delay: 0.627 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 28.16 Mbit/s

95th percentile per-packet one-way delay: 0.643 ms

Loss rate: 0.02%

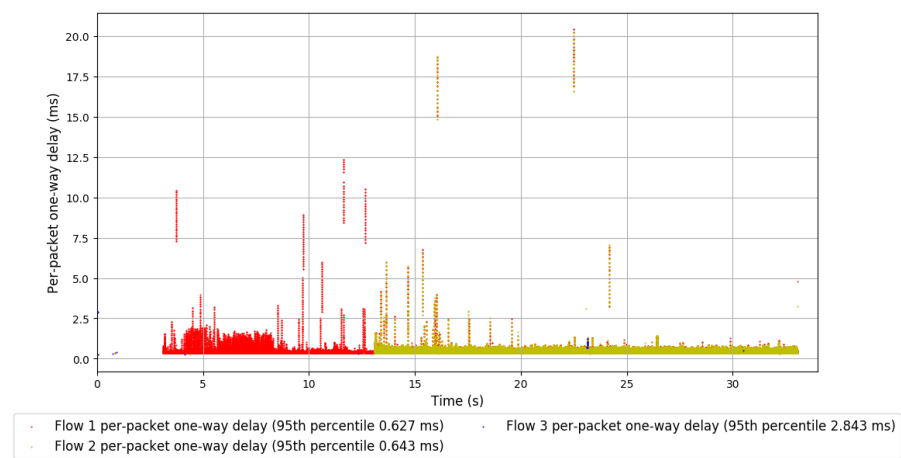
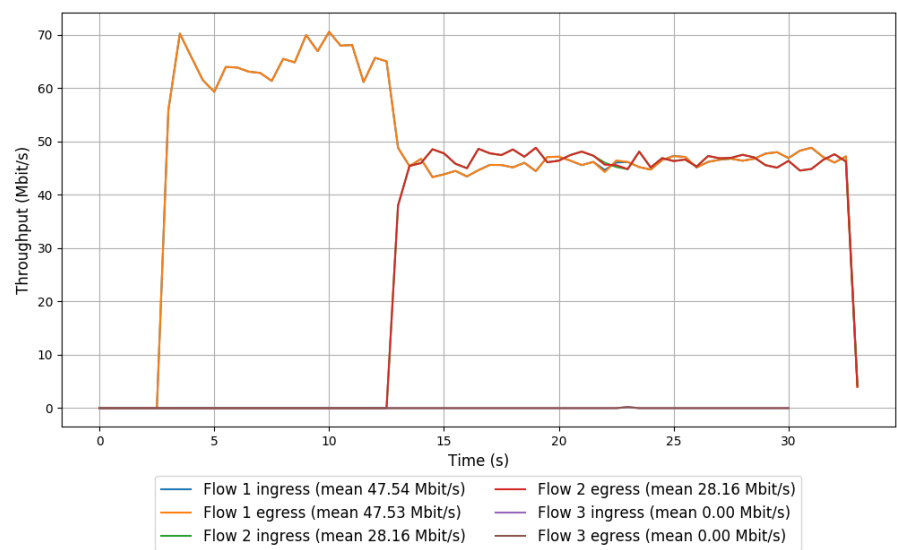
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.843 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:03:07 +0000

End at: Tue, 04 Jul 2017 22:03:37 +0000

Local clock offset: -0.586 ms

Remote clock offset: -3.405 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.82 Mbit/s

95th percentile per-packet one-way delay: -0.148 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 43.03 Mbit/s

95th percentile per-packet one-way delay: -0.261 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: -0.122 ms

Loss rate: 0.01%

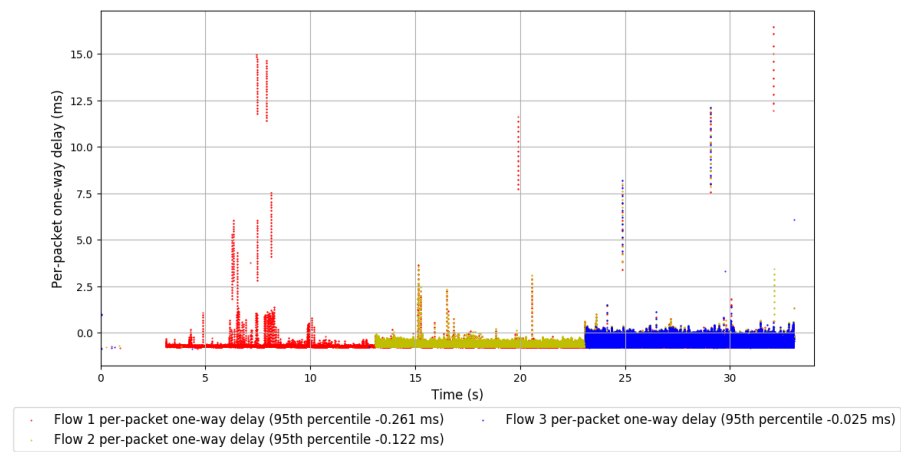
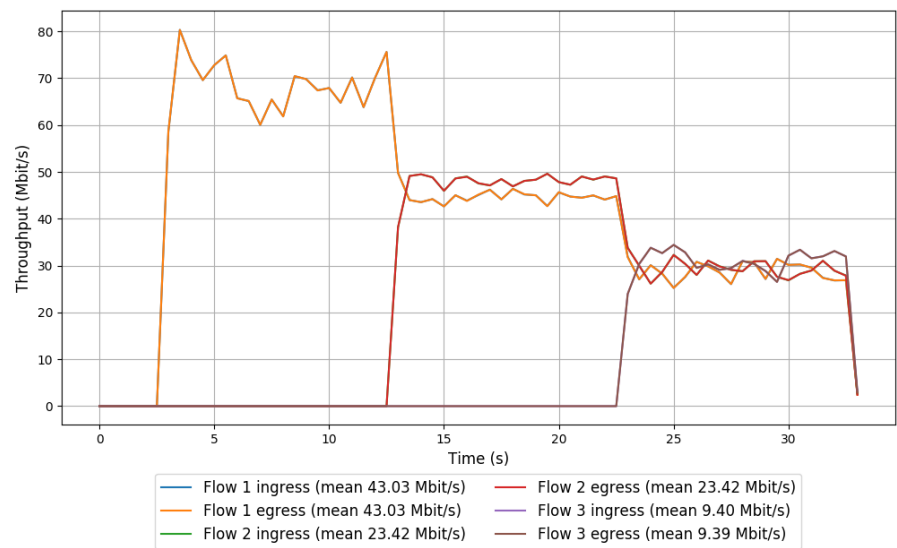
-- Flow 3:

Average throughput: 9.39 Mbit/s

95th percentile per-packet one-way delay: -0.025 ms

Loss rate: 0.05%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:20:13 +0000

End at: Tue, 04 Jul 2017 22:20:43 +0000

Local clock offset: -0.191 ms

Remote clock offset: -3.877 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:06 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.56 Mbit/s

95th percentile per-packet one-way delay: -1.006 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 43.92 Mbit/s

95th percentile per-packet one-way delay: -1.136 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 23.55 Mbit/s

95th percentile per-packet one-way delay: -0.987 ms

Loss rate: 0.02%

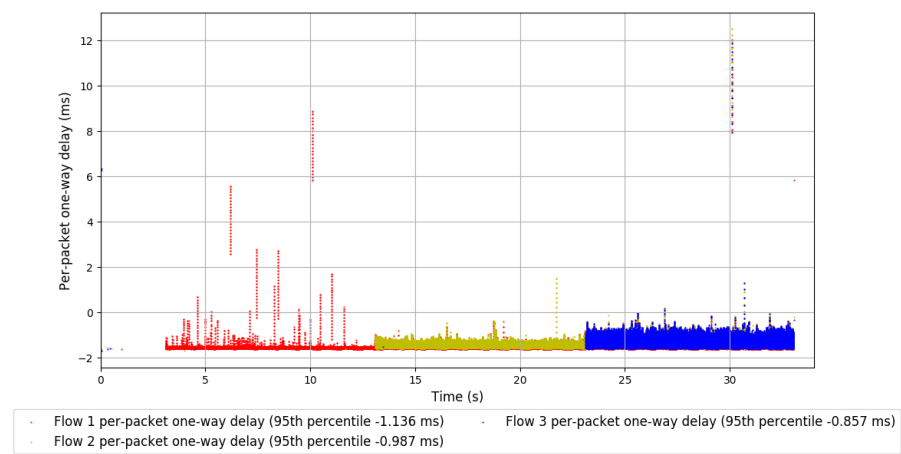
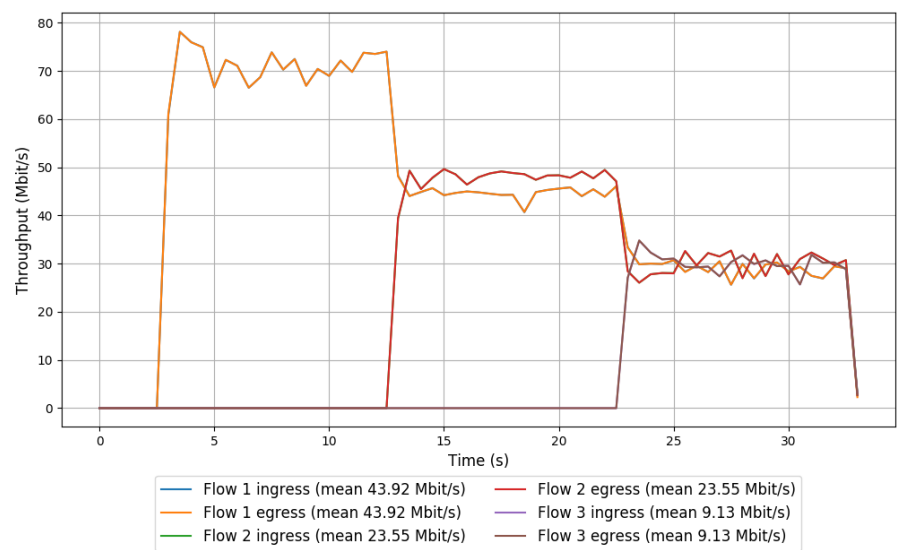
-- Flow 3:

Average throughput: 9.13 Mbit/s

95th percentile per-packet one-way delay: -0.857 ms

Loss rate: 0.05%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

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

End at: Tue, 04 Jul 2017 22:37:52 +0000

Local clock offset: 0.124 ms

Remote clock offset: -4.328 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.81 Mbit/s

95th percentile per-packet one-way delay: -2.225 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 49.00 Mbit/s

95th percentile per-packet one-way delay: -2.232 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 28.82 Mbit/s

95th percentile per-packet one-way delay: -2.217 ms

Loss rate: 0.02%

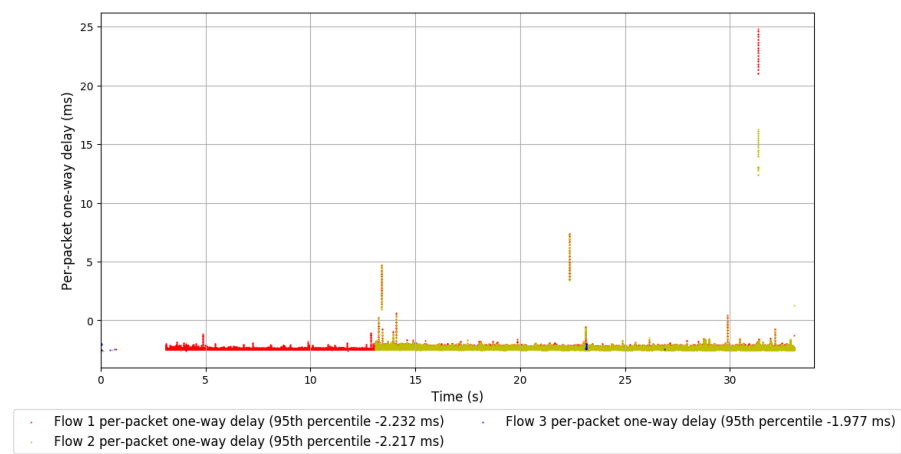
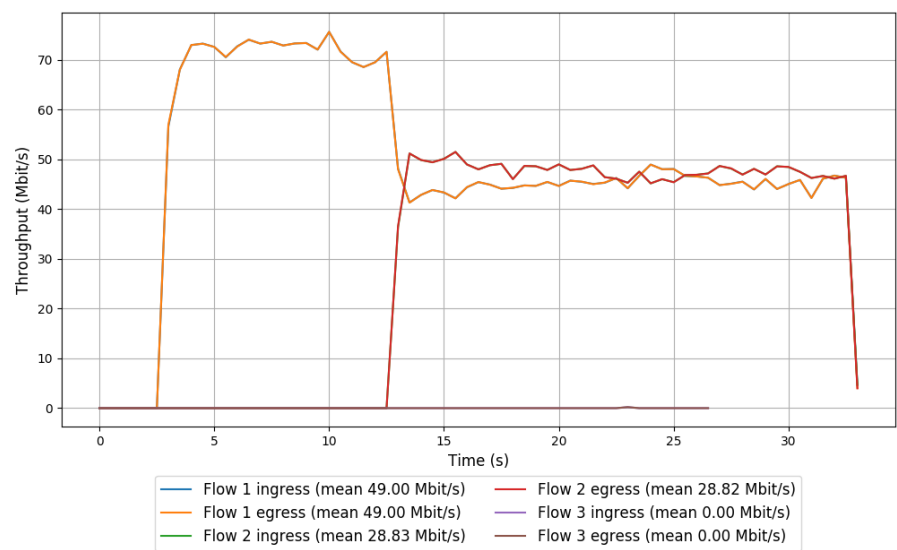
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.977 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Tue, 04 Jul 2017 22:54:35 +0000

End at: Tue, 04 Jul 2017 22:55:06 +0000

Local clock offset: 0.468 ms

Remote clock offset: -4.903 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.67 Mbit/s

95th percentile per-packet one-way delay: -2.967 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -2.809 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.33 Mbit/s

95th percentile per-packet one-way delay: -3.014 ms

Loss rate: 0.02%

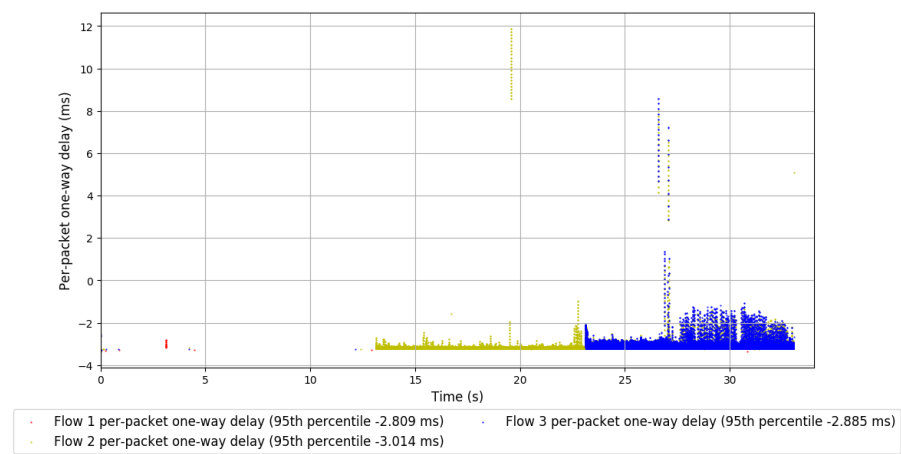
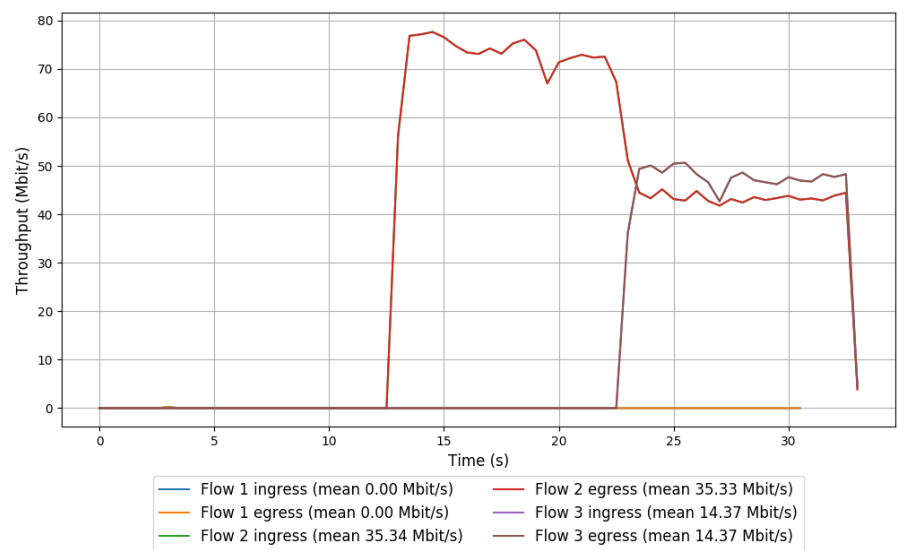
-- Flow 3:

Average throughput: 14.37 Mbit/s

95th percentile per-packet one-way delay: -2.885 ms

Loss rate: 0.03%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Tue, 04 Jul 2017 23:11:41 +0000

End at: Tue, 04 Jul 2017 23:12:11 +0000

Local clock offset: 0.724 ms

Remote clock offset: -4.785 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.90 Mbit/s

95th percentile per-packet one-way delay: -2.842 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 43.28 Mbit/s

95th percentile per-packet one-way delay: -2.952 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 23.76 Mbit/s

95th percentile per-packet one-way delay: -2.822 ms

Loss rate: 0.02%

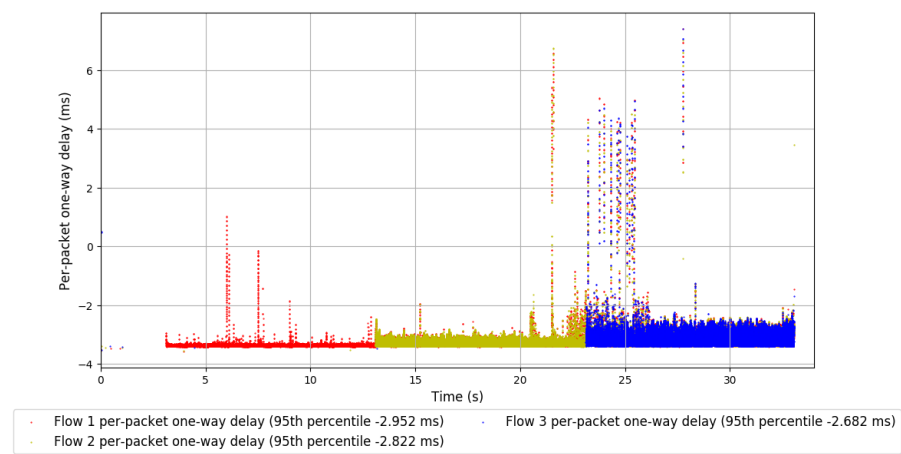
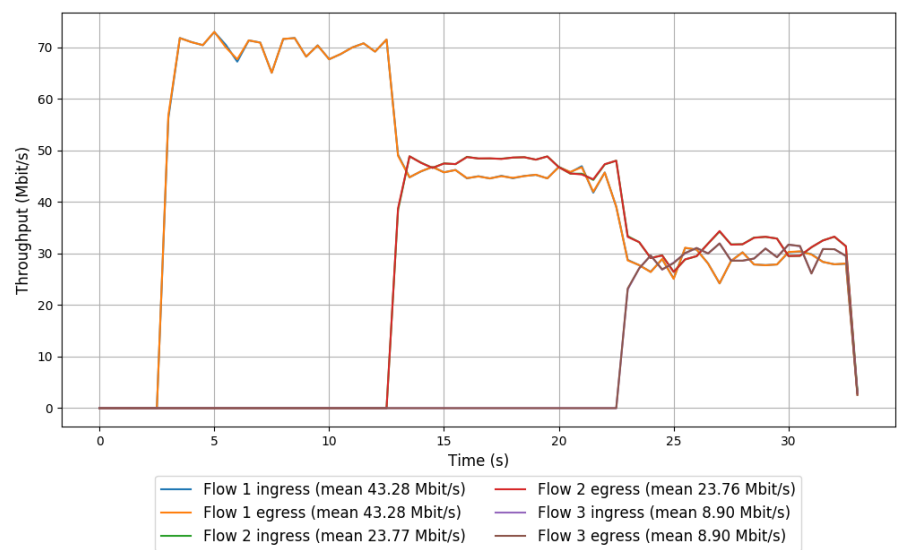
-- Flow 3:

Average throughput: 8.90 Mbit/s

95th percentile per-packet one-way delay: -2.682 ms

Loss rate: 0.03%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Tue, 04 Jul 2017 23:28:56 +0000

End at: Tue, 04 Jul 2017 23:29:26 +0000

Local clock offset: 0.647 ms

Remote clock offset: -4.069 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.36 Mbit/s

95th percentile per-packet one-way delay: -1.956 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 42.54 Mbit/s

95th percentile per-packet one-way delay: -2.059 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 23.99 Mbit/s

95th percentile per-packet one-way delay: -1.933 ms

Loss rate: 0.01%

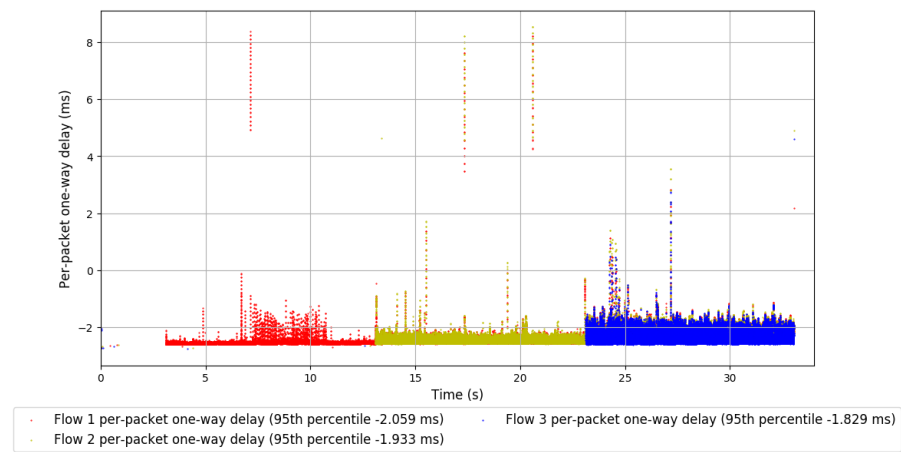
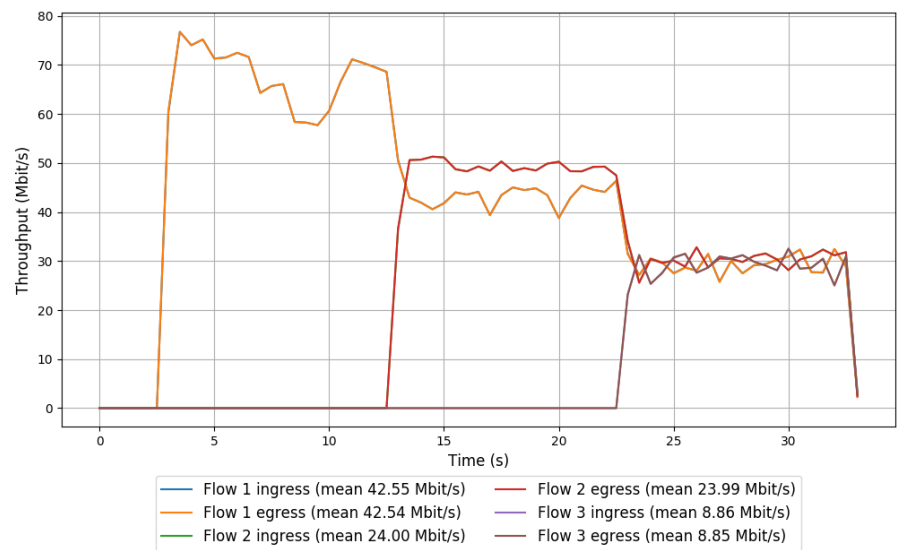
-- Flow 3:

Average throughput: 8.85 Mbit/s

95th percentile per-packet one-way delay: -1.829 ms

Loss rate: 0.05%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Tue, 04 Jul 2017 23:46:10 +0000

End at: Tue, 04 Jul 2017 23:46:40 +0000

Local clock offset: 0.538 ms

Remote clock offset: -2.783 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.21 Mbit/s

95th percentile per-packet one-way delay: -0.605 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 42.04 Mbit/s

95th percentile per-packet one-way delay: -0.732 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 23.93 Mbit/s

95th percentile per-packet one-way delay: -0.589 ms

Loss rate: 0.02%

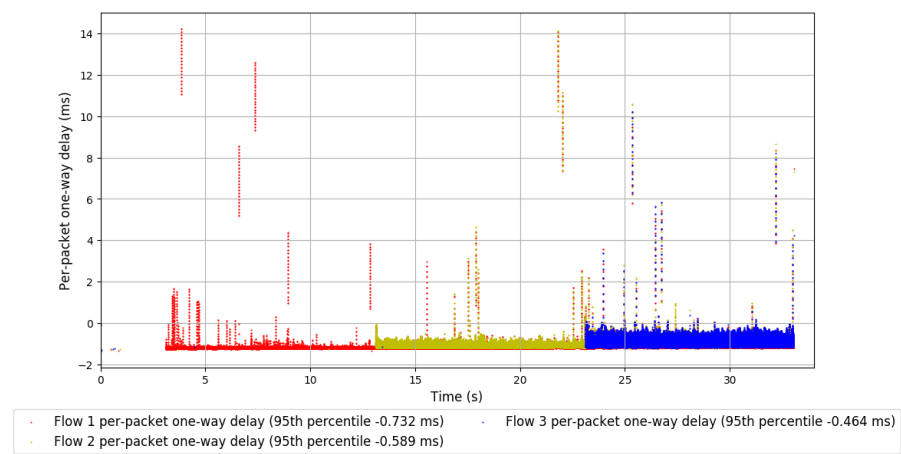
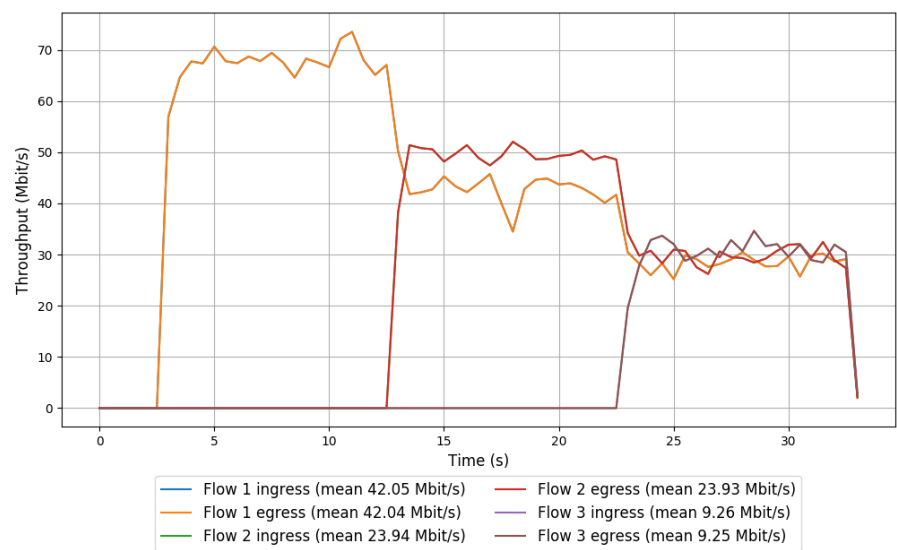
-- Flow 3:

Average throughput: 9.25 Mbit/s

95th percentile per-packet one-way delay: -0.464 ms

Loss rate: 0.05%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Wed, 05 Jul 2017 00:03:18 +0000

End at: Wed, 05 Jul 2017 00:03:48 +0000

Local clock offset: 0.291 ms

Remote clock offset: -1.705 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.49 Mbit/s

95th percentile per-packet one-way delay: 0.382 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.521 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.75 Mbit/s

95th percentile per-packet one-way delay: 0.339 ms

Loss rate: 0.02%

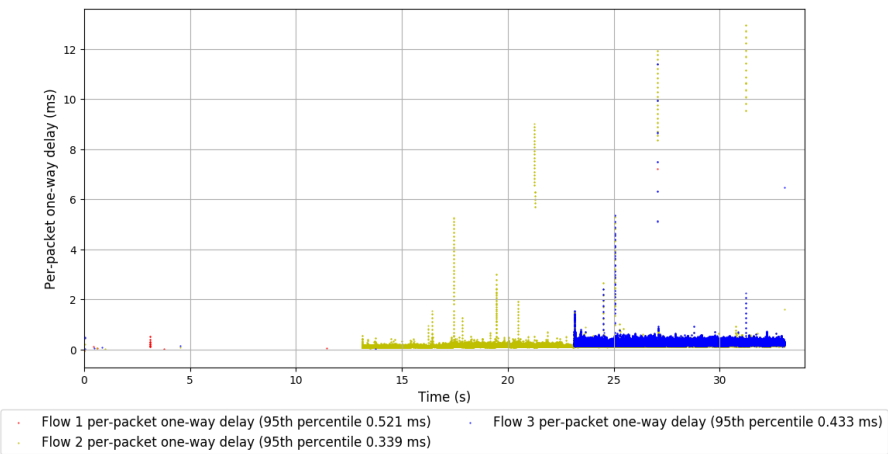
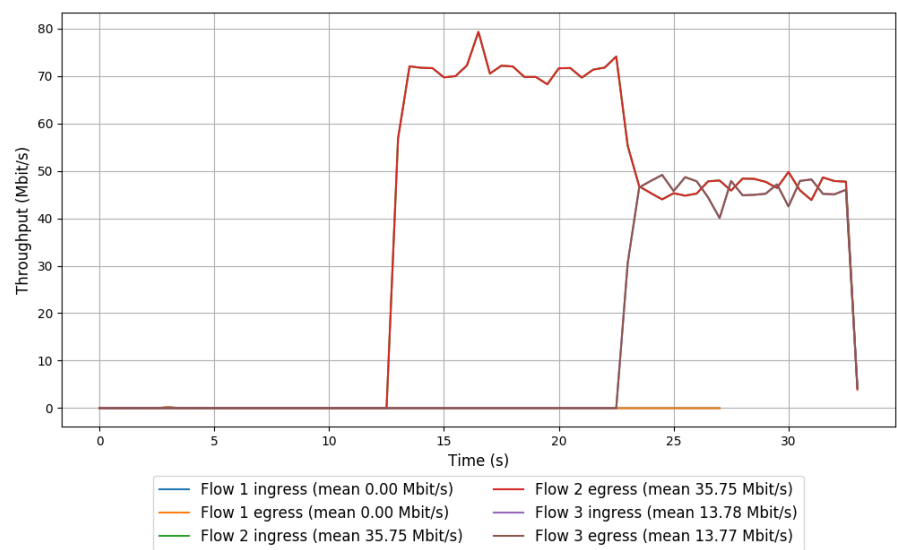
-- Flow 3:

Average throughput: 13.77 Mbit/s

95th percentile per-packet one-way delay: 0.433 ms

Loss rate: 0.05%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

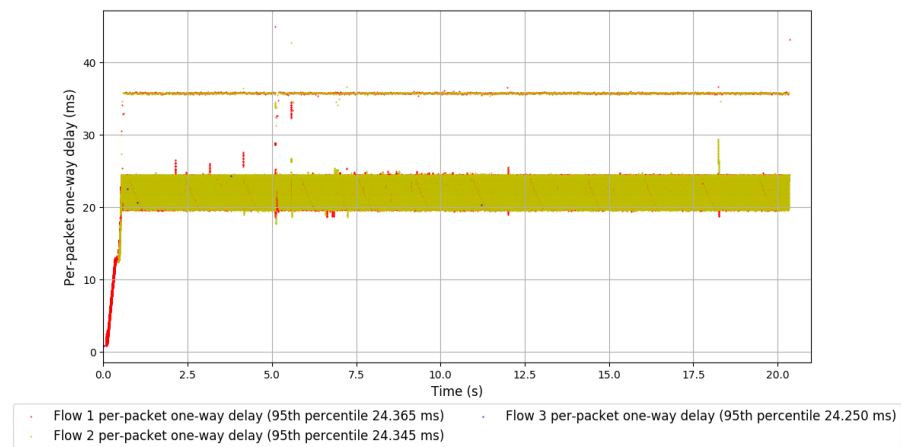
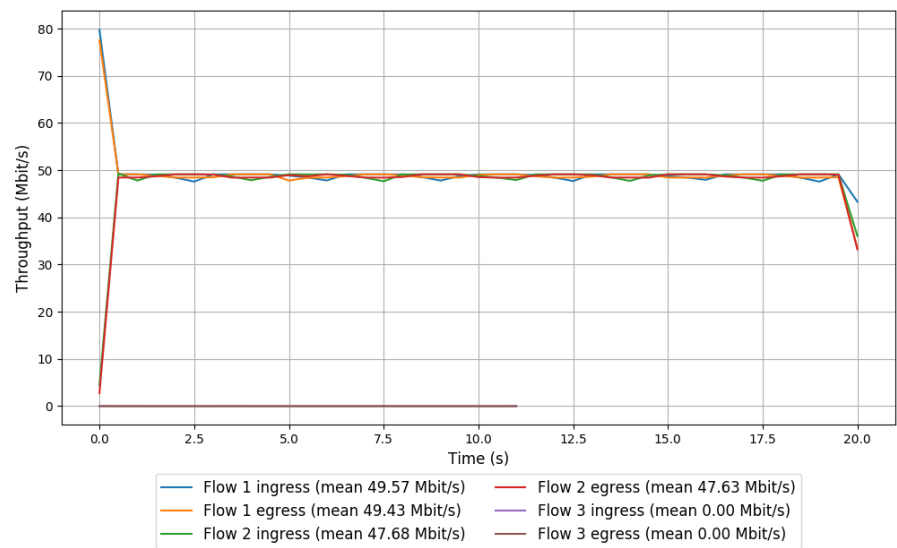
Start at: Tue, 04 Jul 2017 21:36:56 +0000

End at: Tue, 04 Jul 2017 21:37:26 +0000

Local clock offset: -1.3 ms

Remote clock offset: -2.36 ms

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 21:54:02 +0000

End at: Tue, 04 Jul 2017 21:54:32 +0000

Local clock offset: -0.86 ms

Remote clock offset: -2.997 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 23.379 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 59.02 Mbit/s

95th percentile per-packet one-way delay: 23.369 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 29.23 Mbit/s

95th percentile per-packet one-way delay: 23.392 ms

Loss rate: 0.34%

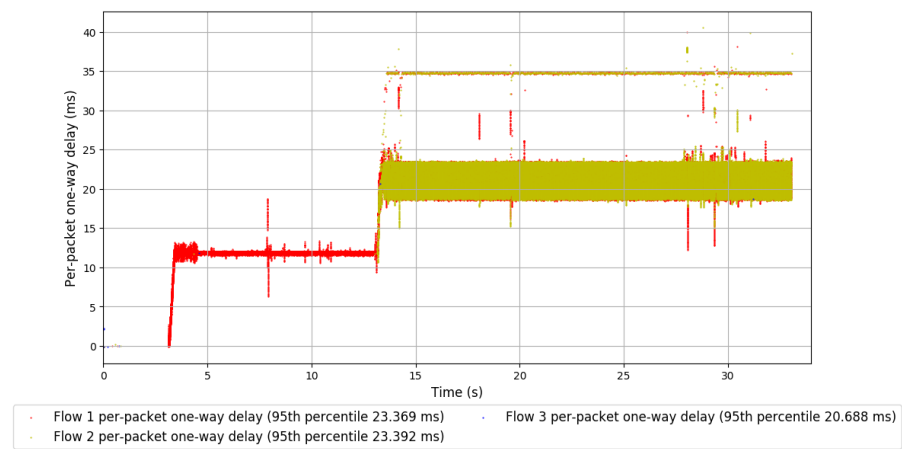
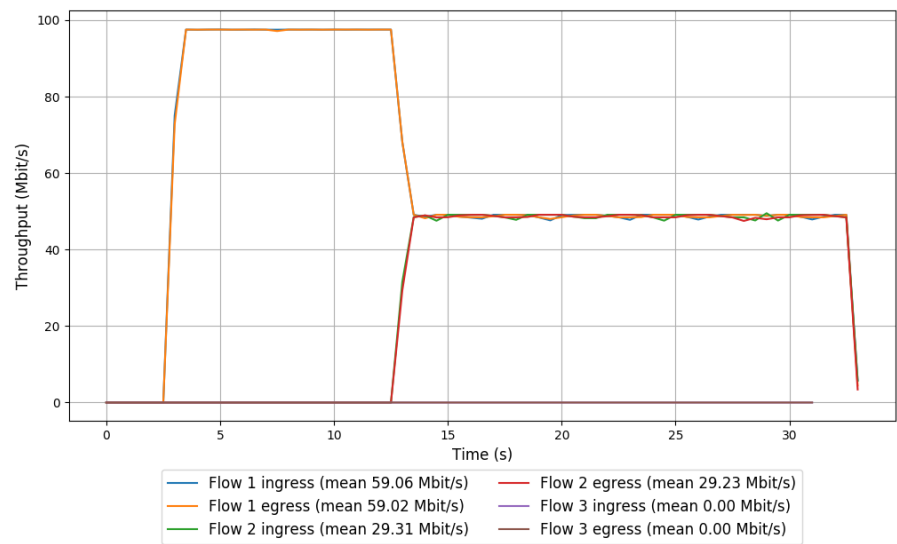
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 20.688 ms

Loss rate: 0.00%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:11:10 +0000

End at: Tue, 04 Jul 2017 22:11:40 +0000

Local clock offset: -0.407 ms

Remote clock offset: -3.647 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.17 Mbit/s

95th percentile per-packet one-way delay: 22.248 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 58.97 Mbit/s

95th percentile per-packet one-way delay: 22.252 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 29.23 Mbit/s

95th percentile per-packet one-way delay: 22.242 ms

Loss rate: 0.54%

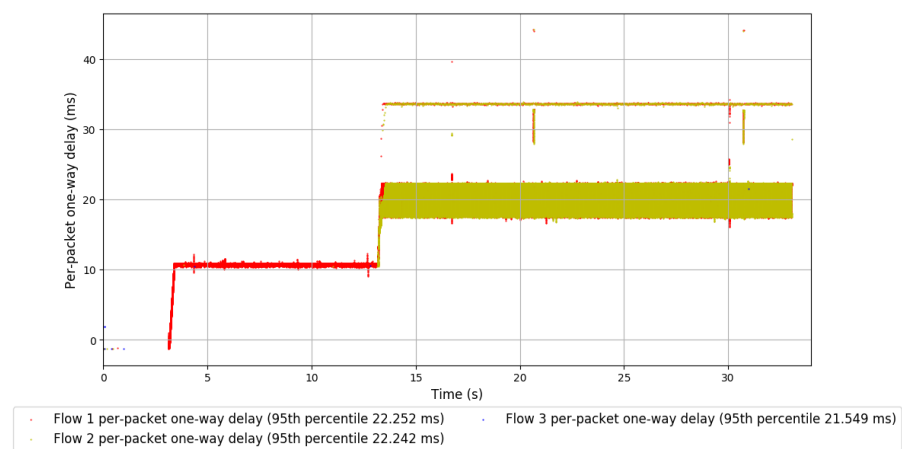
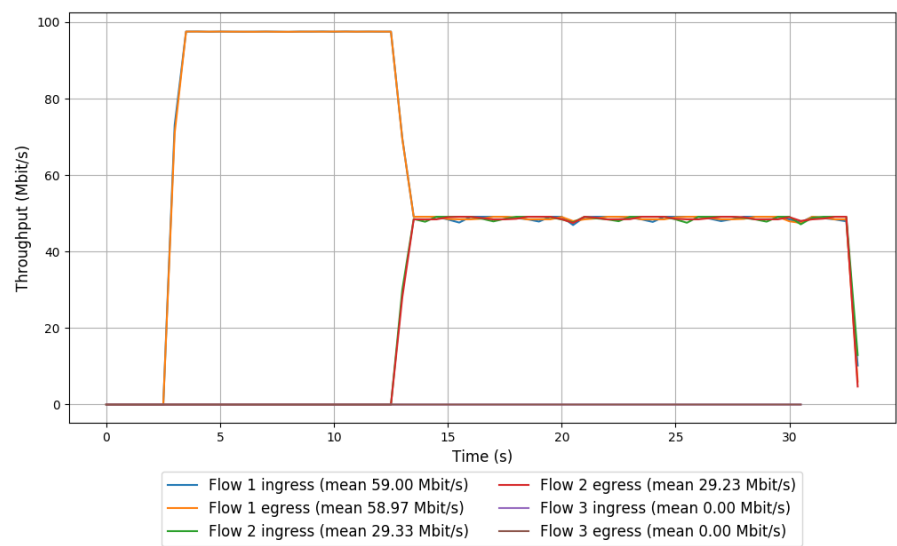
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 21.549 ms

Loss rate: 0.00%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:28:17 +0000

End at: Tue, 04 Jul 2017 22:28:47 +0000

Local clock offset: -0.071 ms

Remote clock offset: -4.026 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 21.436 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 58.52 Mbit/s

95th percentile per-packet one-way delay: 21.420 ms

Loss rate: 0.30%

-- Flow 2:

Average throughput: 29.63 Mbit/s

95th percentile per-packet one-way delay: 21.454 ms

Loss rate: 0.42%

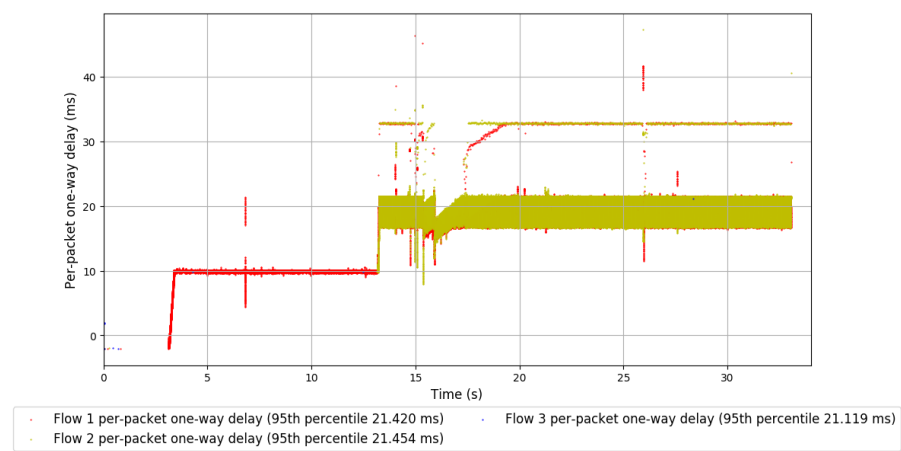
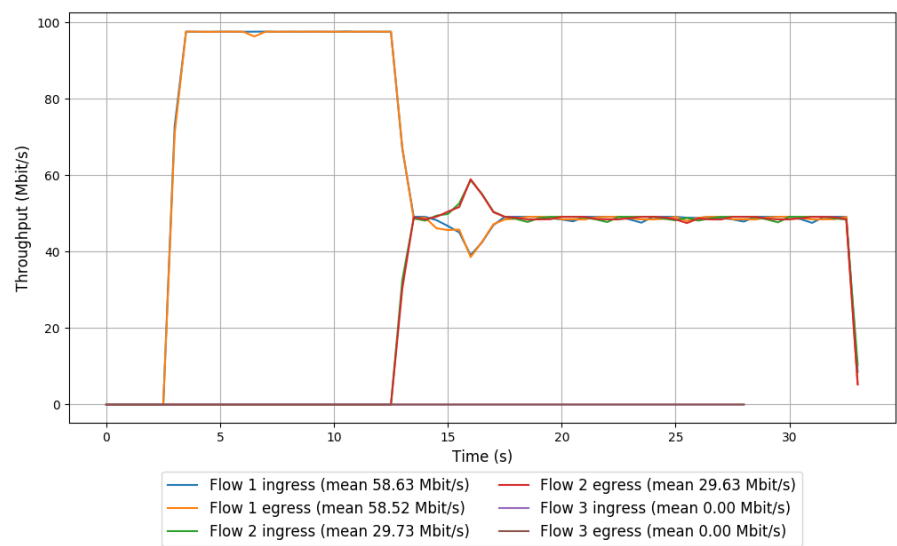
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 21.119 ms

Loss rate: 0.00%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 22:45:24 +0000

End at: Tue, 04 Jul 2017 22:45:54 +0000

Local clock offset: 0.319 ms

Remote clock offset: -4.552 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.27 Mbit/s

95th percentile per-packet one-way delay: 20.646 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 58.99 Mbit/s

95th percentile per-packet one-way delay: 20.646 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 29.30 Mbit/s

95th percentile per-packet one-way delay: 20.646 ms

Loss rate: 0.30%

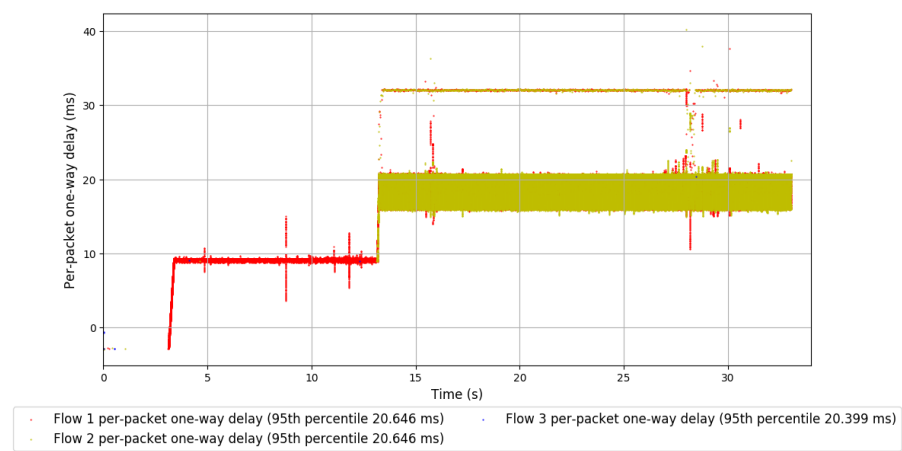
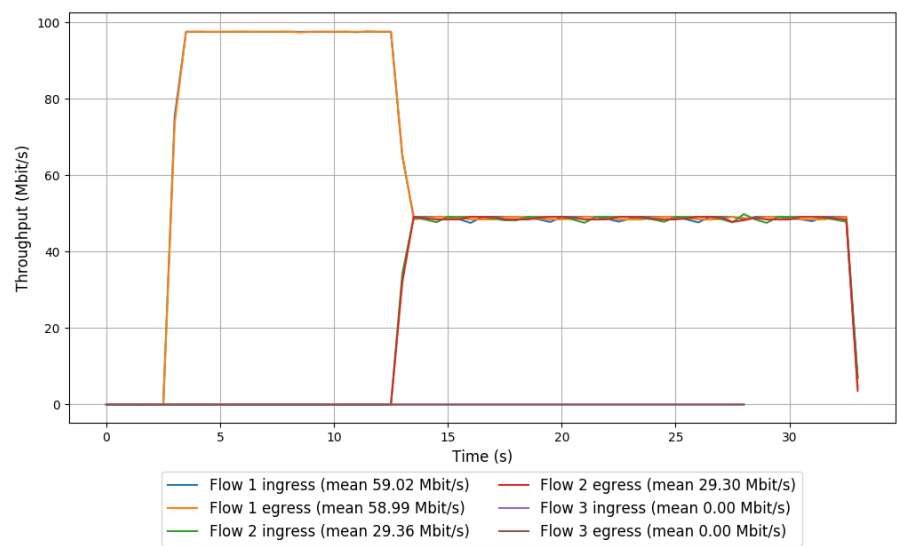
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 20.399 ms

Loss rate: 0.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:02:36 +0000

End at: Tue, 04 Jul 2017 23:03:06 +0000

Local clock offset: 0.616 ms

Remote clock offset: -4.911 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 20.055 ms

Loss rate: 0.28%

-- Flow 1:

Average throughput: 58.99 Mbit/s

95th percentile per-packet one-way delay: 20.027 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 29.25 Mbit/s

95th percentile per-packet one-way delay: 20.082 ms

Loss rate: 0.32%

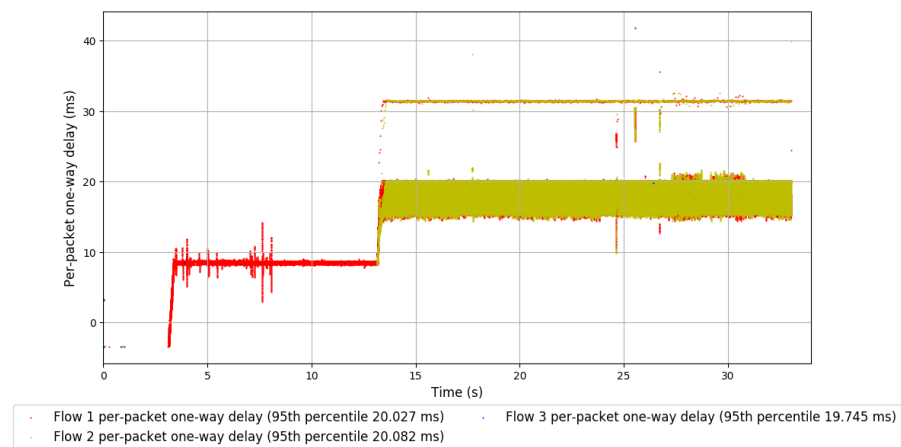
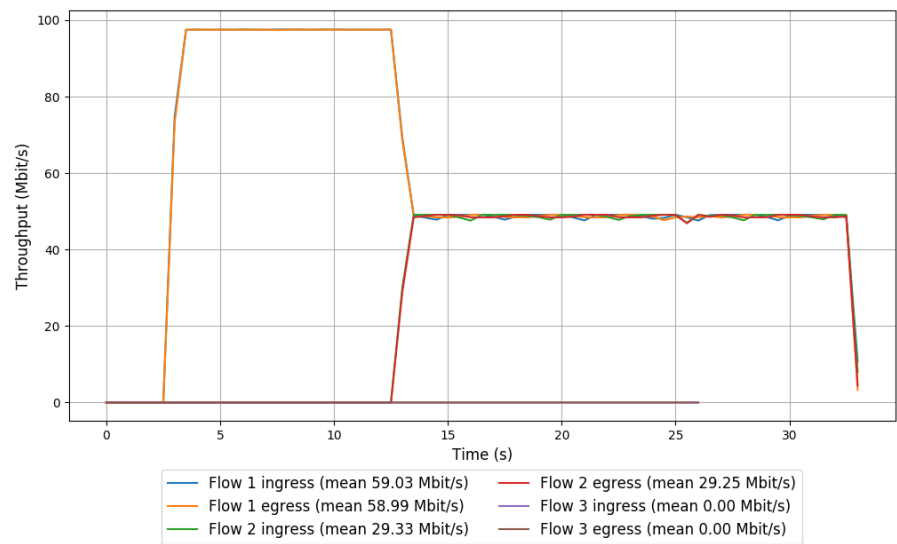
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.745 ms

Loss rate: 0.00%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

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

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

Local clock offset: 0.62 ms

Remote clock offset: -4.568 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 20.318 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 58.95 Mbit/s

95th percentile per-packet one-way delay: 20.287 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 29.18 Mbit/s

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

Loss rate: 0.47%

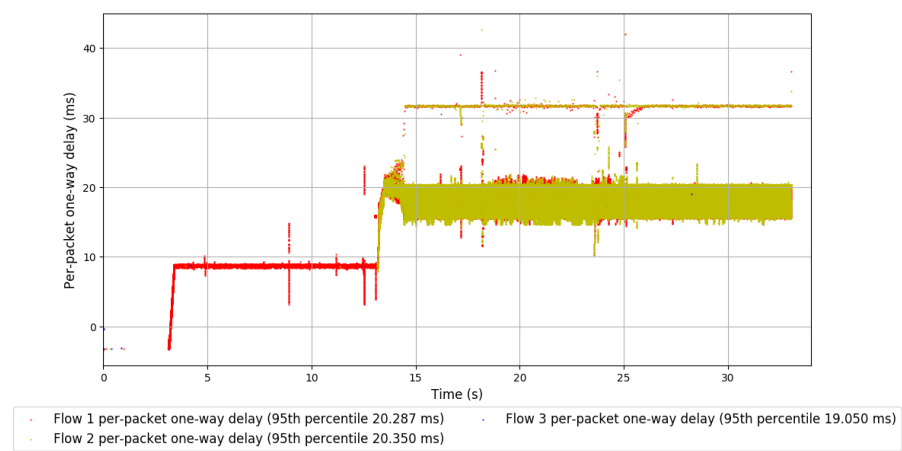
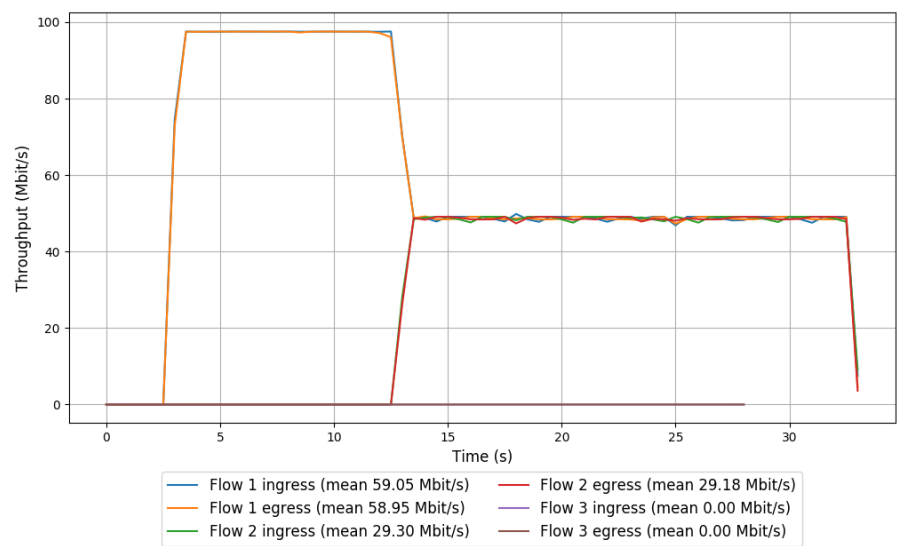
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.050 ms

Loss rate: 0.00%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:36:59 +0000

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

Local clock offset: 0.643 ms

Remote clock offset: -3.514 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.04 Mbit/s

95th percentile per-packet one-way delay: 21.480 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 58.53 Mbit/s

95th percentile per-packet one-way delay: 21.480 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 29.53 Mbit/s

95th percentile per-packet one-way delay: 21.481 ms

Loss rate: 0.46%

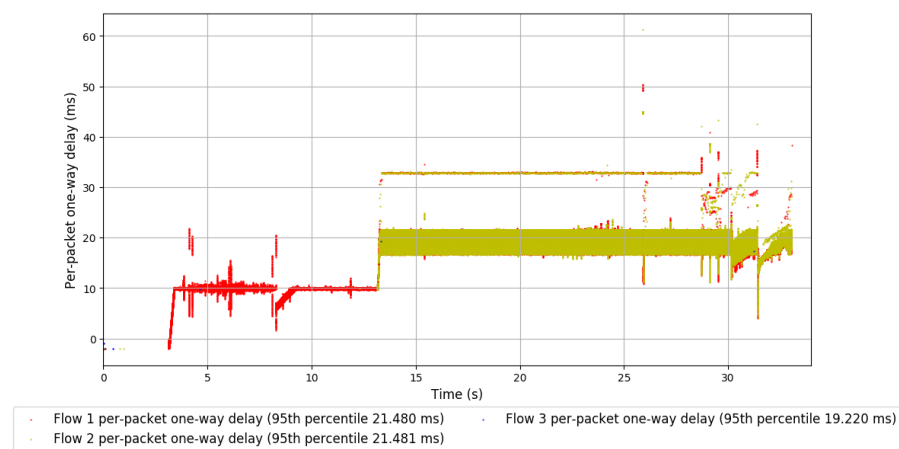
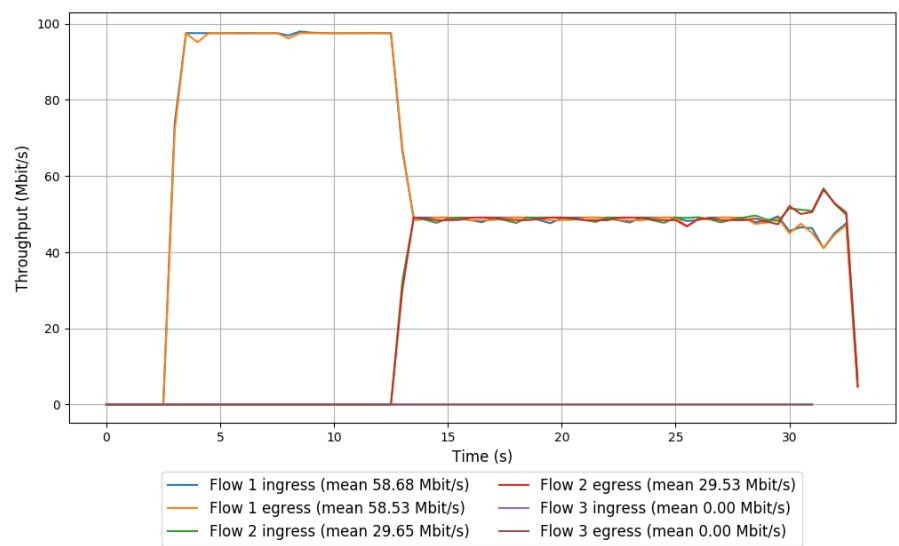
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.220 ms

Loss rate: 0.00%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 23:54:13 +0000

End at: Tue, 04 Jul 2017 23:54:43 +0000

Local clock offset: 0.383 ms

Remote clock offset: -2.204 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.22 Mbit/s

95th percentile per-packet one-way delay: 22.929 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 59.00 Mbit/s

95th percentile per-packet one-way delay: 22.918 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 29.26 Mbit/s

95th percentile per-packet one-way delay: 22.944 ms

Loss rate: 0.33%

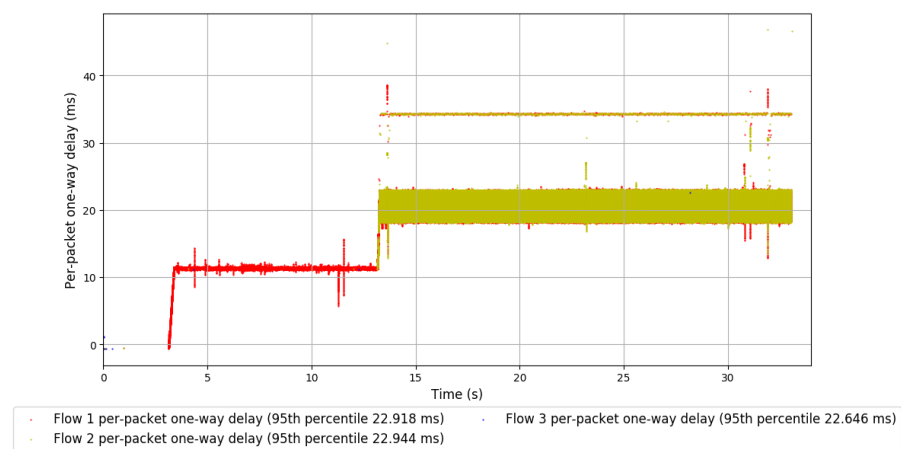
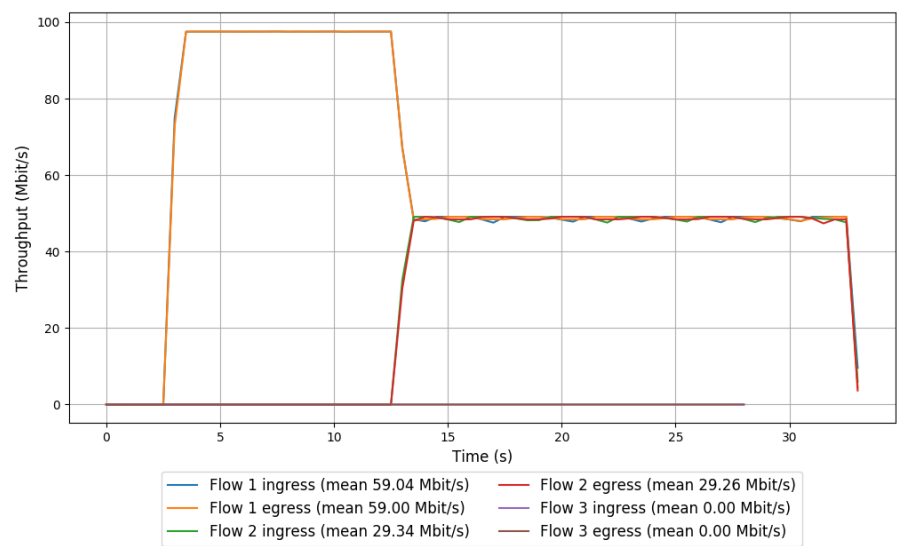
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 22.646 ms

Loss rate: 0.00%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 00:11:19 +0000

End at: Wed, 05 Jul 2017 00:11:49 +0000

Local clock offset: 0.207 ms

Remote clock offset: -0.832 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.19 Mbit/s

95th percentile per-packet one-way delay: 24.531 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 58.92 Mbit/s

95th percentile per-packet one-way delay: 24.532 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 29.29 Mbit/s

95th percentile per-packet one-way delay: 24.529 ms

Loss rate: 0.46%

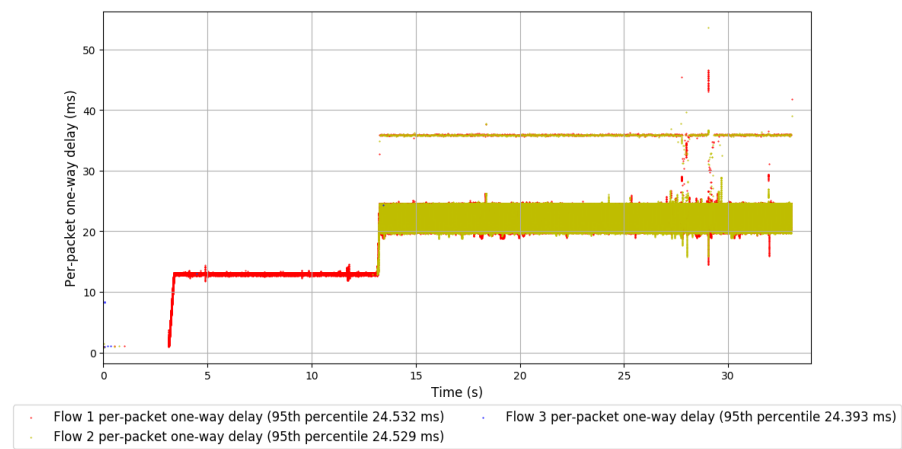
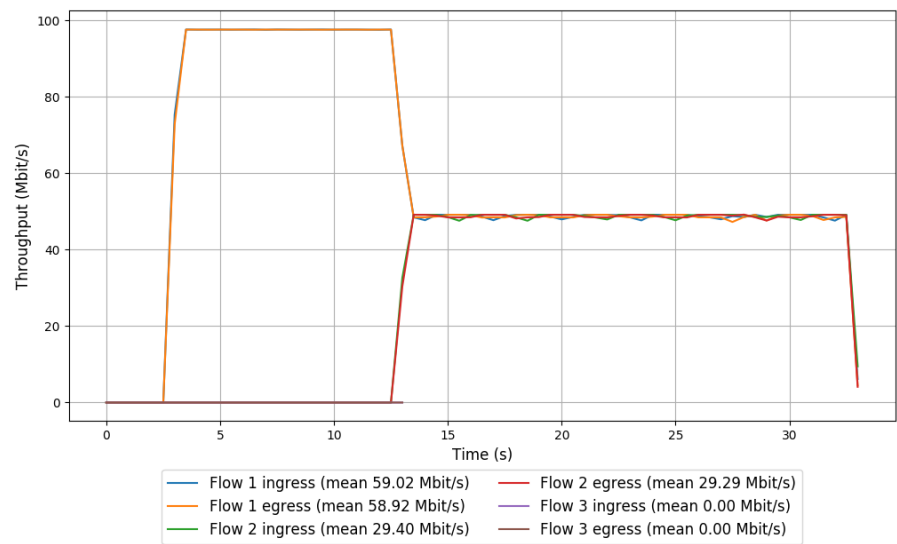
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 24.393 ms

Loss rate: 0.00%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:39:15 +0000

End at: Tue, 04 Jul 2017 21:39:45 +0000

Local clock offset: -1.154 ms

Remote clock offset: -2.515 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.23 Mbit/s

95th percentile per-packet one-way delay: 0.839 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 5.11 Mbit/s

95th percentile per-packet one-way delay: 0.844 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 3.40 Mbit/s

95th percentile per-packet one-way delay: 0.829 ms

Loss rate: 0.01%

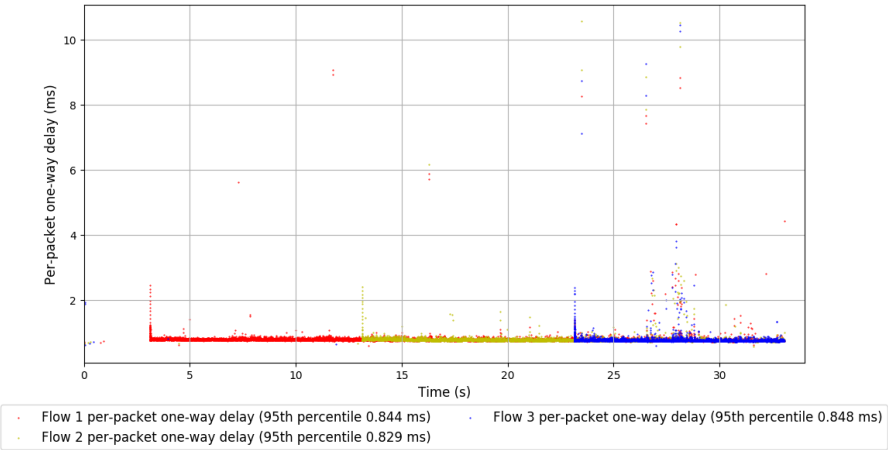
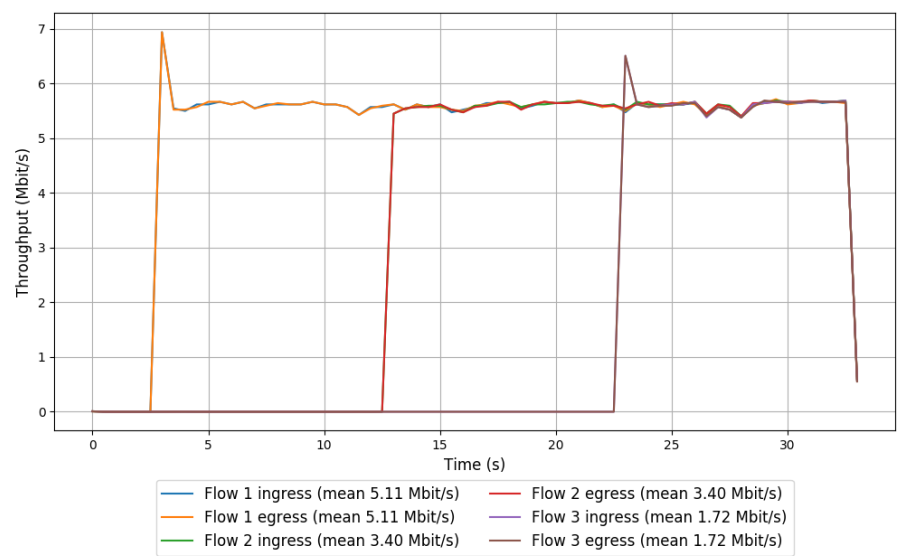
-- Flow 3:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 0.848 ms

Loss rate: 0.04%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:56:22 +0000

End at: Tue, 04 Jul 2017 21:56:52 +0000

Local clock offset: -0.869 ms

Remote clock offset: -3.081 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.21 Mbit/s

95th percentile per-packet one-way delay: -0.117 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 5.09 Mbit/s

95th percentile per-packet one-way delay: -0.125 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: -0.105 ms

Loss rate: 0.01%

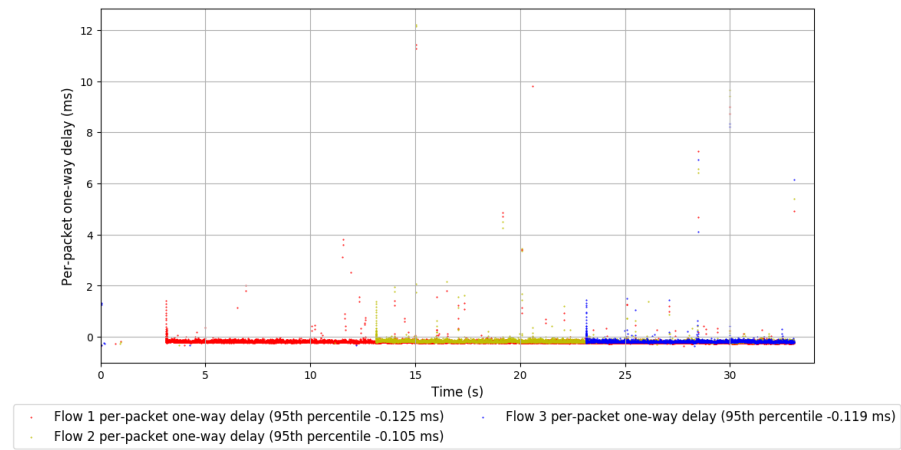
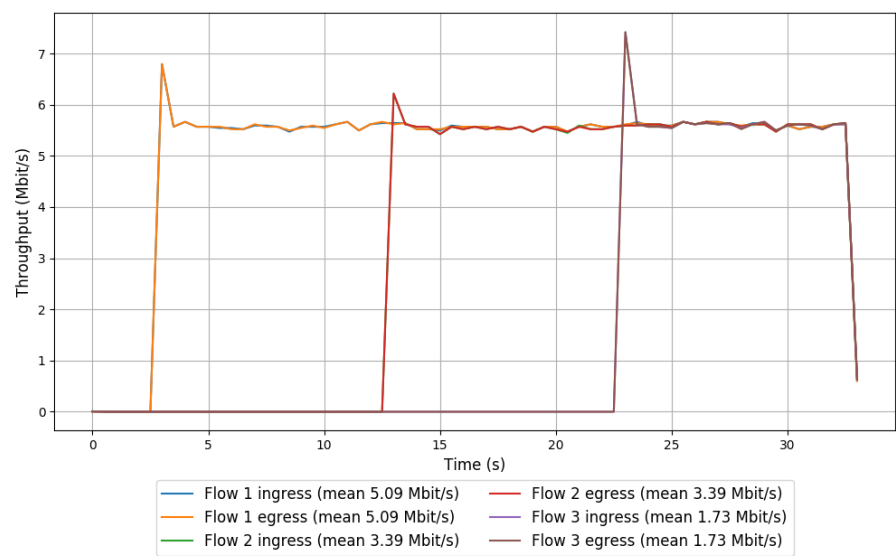
-- Flow 3:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: -0.119 ms

Loss rate: 0.02%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 22:13:31 +0000

End at: Tue, 04 Jul 2017 22:14:01 +0000

Local clock offset: -0.336 ms

Remote clock offset: -3.812 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.20 Mbit/s

95th percentile per-packet one-way delay: -1.206 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: -1.203 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 3.38 Mbit/s

95th percentile per-packet one-way delay: -1.214 ms

Loss rate: 0.01%

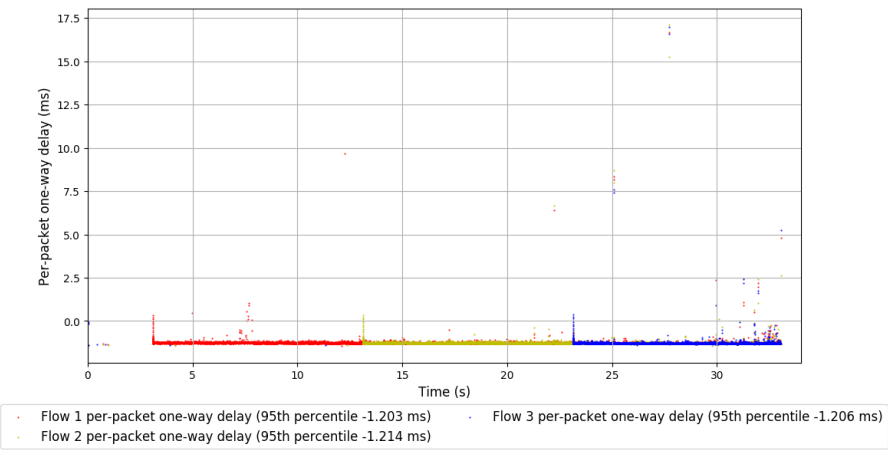
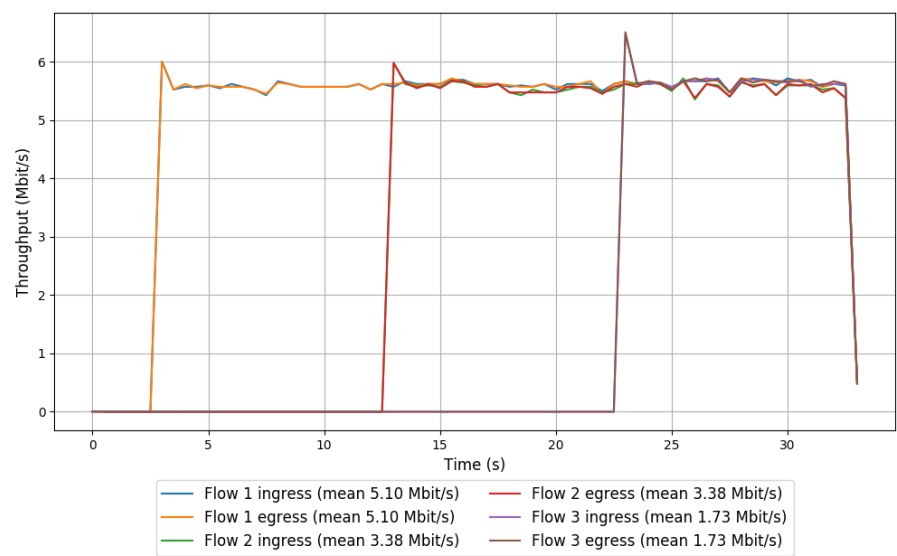
-- Flow 3:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: -1.206 ms

Loss rate: 0.00%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 22:30:37 +0000

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

Local clock offset: -0.01 ms

Remote clock offset: -4.163 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.09 Mbit/s

95th percentile per-packet one-way delay: -1.612 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 5.96 Mbit/s

95th percentile per-packet one-way delay: -1.370 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 3.40 Mbit/s

95th percentile per-packet one-way delay: -2.014 ms

Loss rate: 0.01%

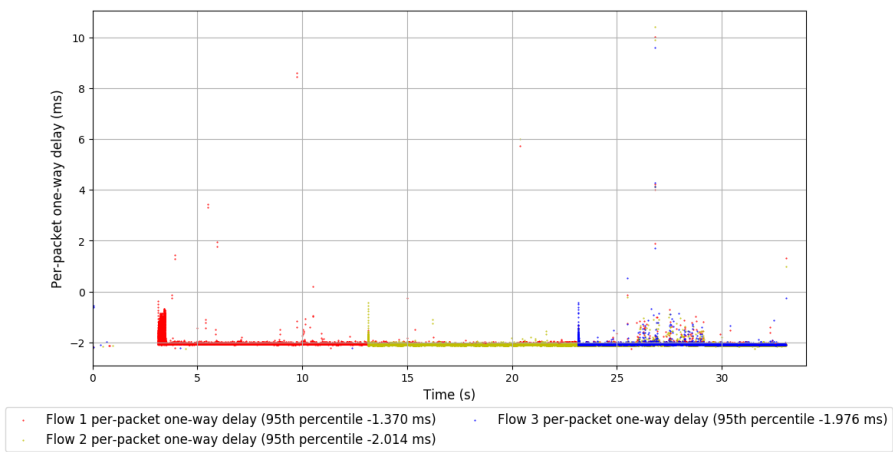
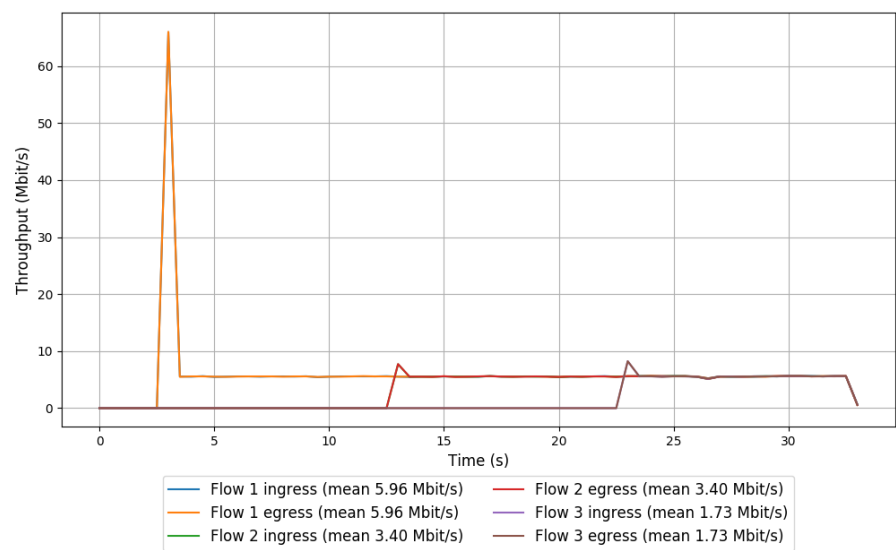
-- Flow 3:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: -1.976 ms

Loss rate: 0.02%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 22:47:45 +0000

End at: Tue, 04 Jul 2017 22:48:15 +0000

Local clock offset: 0.351 ms

Remote clock offset: -4.64 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.60 Mbit/s

95th percentile per-packet one-way delay: -2.110 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 34.34 Mbit/s

95th percentile per-packet one-way delay: -2.168 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 30.17 Mbit/s

95th percentile per-packet one-way delay: -2.053 ms

Loss rate: 0.00%

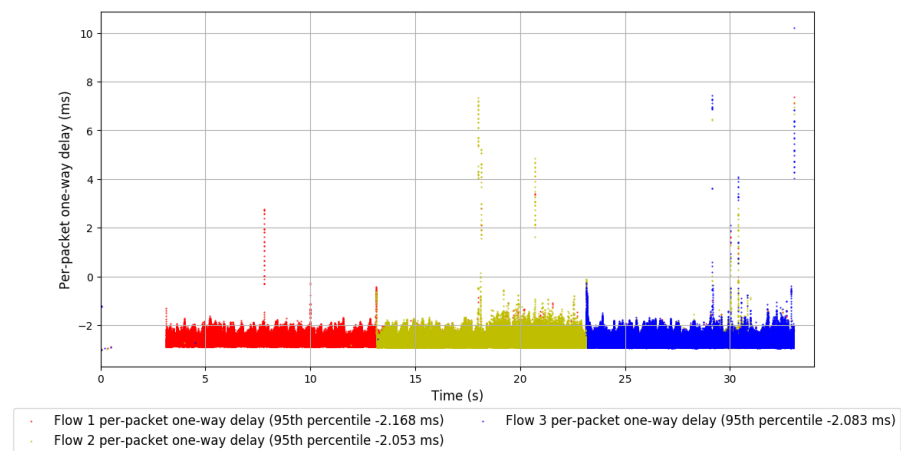
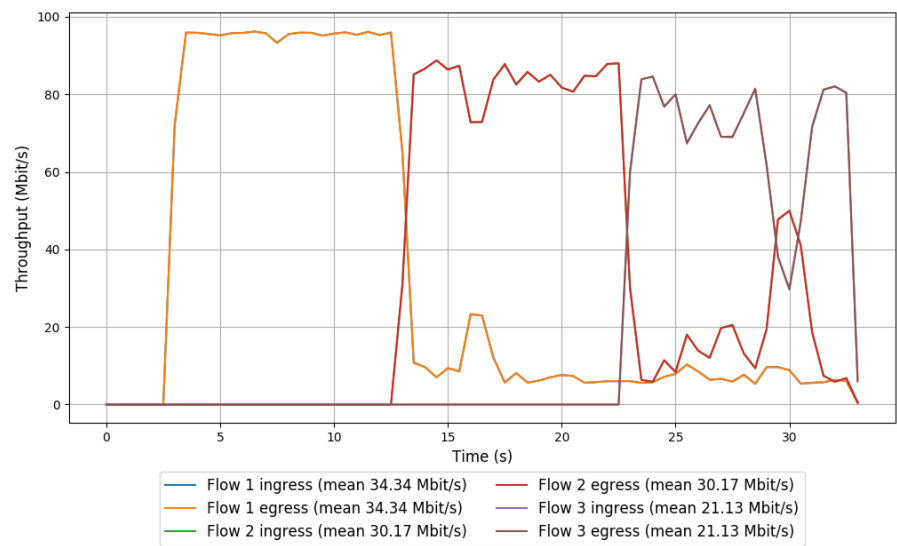
-- Flow 3:

Average throughput: 21.13 Mbit/s

95th percentile per-packet one-way delay: -2.083 ms

Loss rate: 0.01%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

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

End at: Tue, 04 Jul 2017 23:05:26 +0000

Local clock offset: 0.651 ms

Remote clock offset: -4.879 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.14 Mbit/s

95th percentile per-packet one-way delay: -3.296 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 5.06 Mbit/s

95th percentile per-packet one-way delay: -3.306 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 3.41 Mbit/s

95th percentile per-packet one-way delay: -3.298 ms

Loss rate: 0.01%

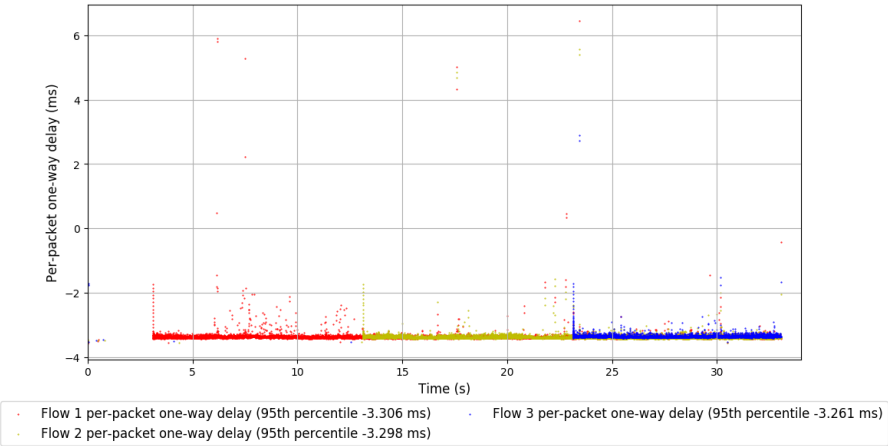
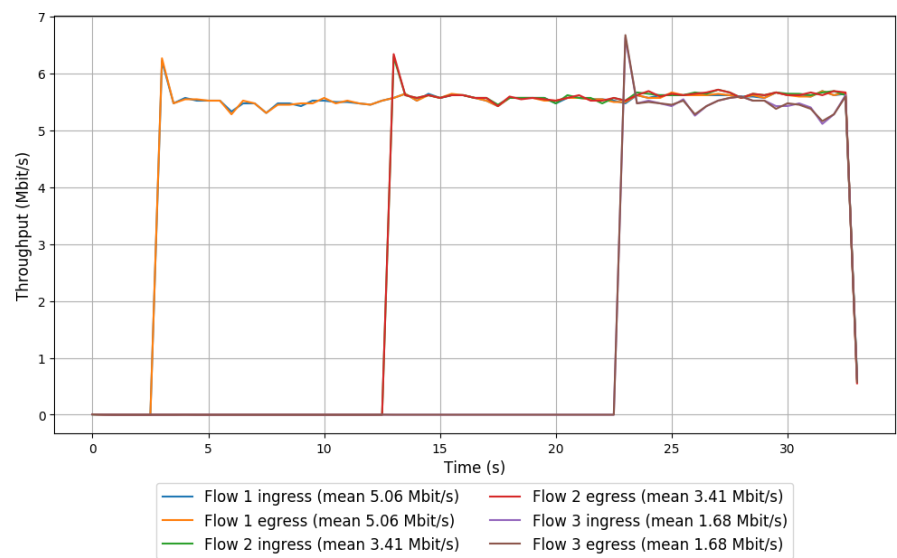
-- Flow 3:

Average throughput: 1.68 Mbit/s

95th percentile per-packet one-way delay: -3.261 ms

Loss rate: 0.02%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:22:05 +0000

End at: Tue, 04 Jul 2017 23:22:35 +0000

Local clock offset: 0.677 ms

Remote clock offset: -4.516 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.26 Mbit/s

95th percentile per-packet one-way delay: -1.807 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 32.55 Mbit/s

95th percentile per-packet one-way delay: -1.948 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 49.94 Mbit/s

95th percentile per-packet one-way delay: -1.707 ms

Loss rate: 0.02%

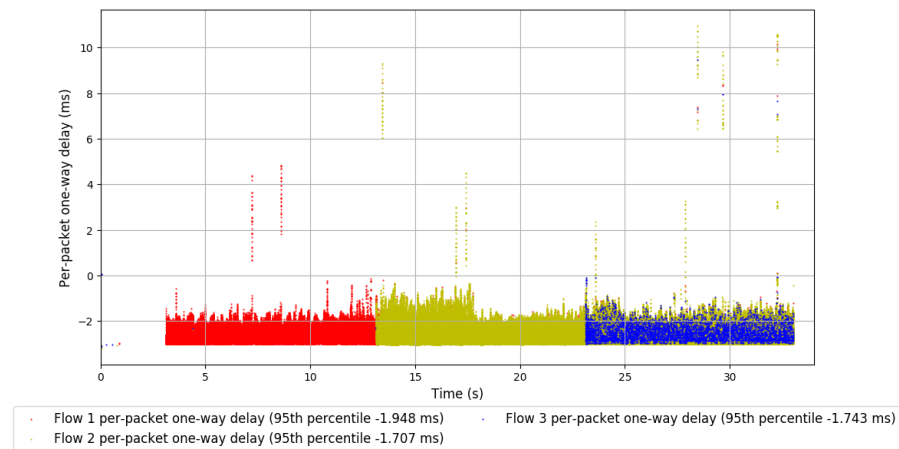
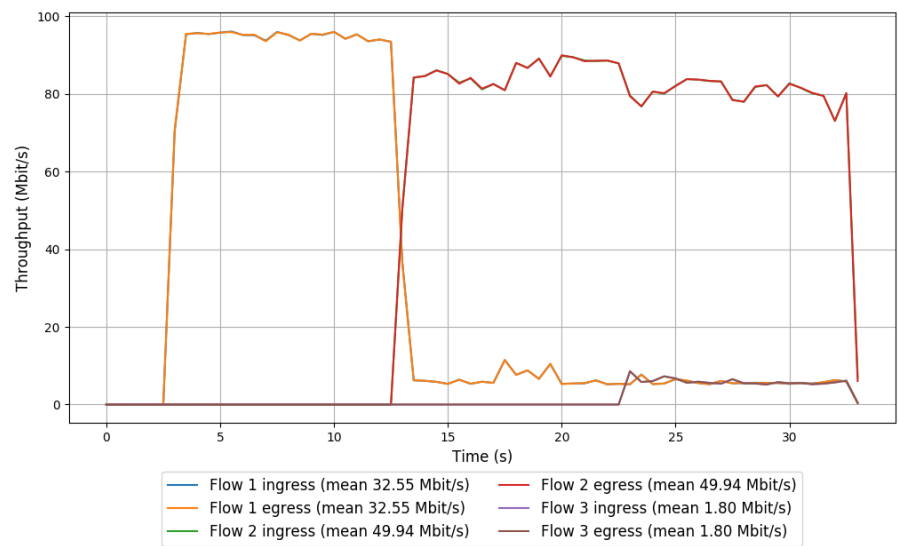
-- Flow 3:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: -1.743 ms

Loss rate: 0.04%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:39:19 +0000

End at: Tue, 04 Jul 2017 23:39:49 +0000

Local clock offset: 0.657 ms

Remote clock offset: -3.271 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.43 Mbit/s

95th percentile per-packet one-way delay: -1.284 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 35.49 Mbit/s

95th percentile per-packet one-way delay: -1.266 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.69 Mbit/s

95th percentile per-packet one-way delay: -1.295 ms

Loss rate: 0.00%

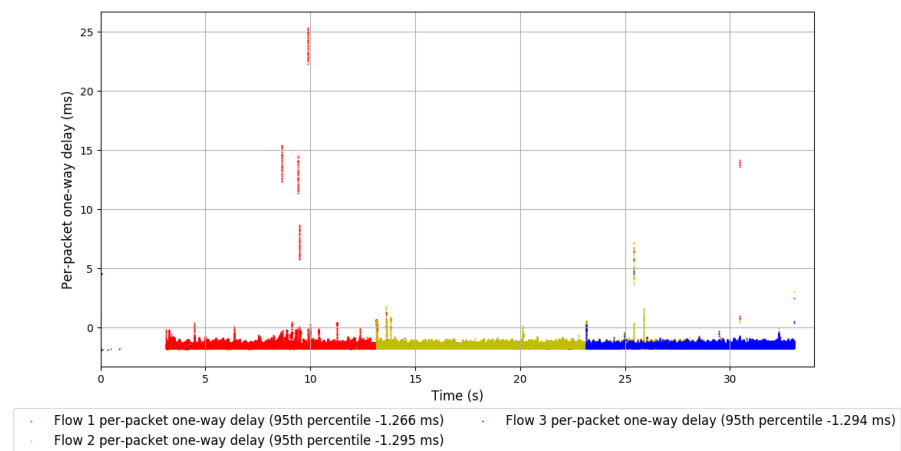
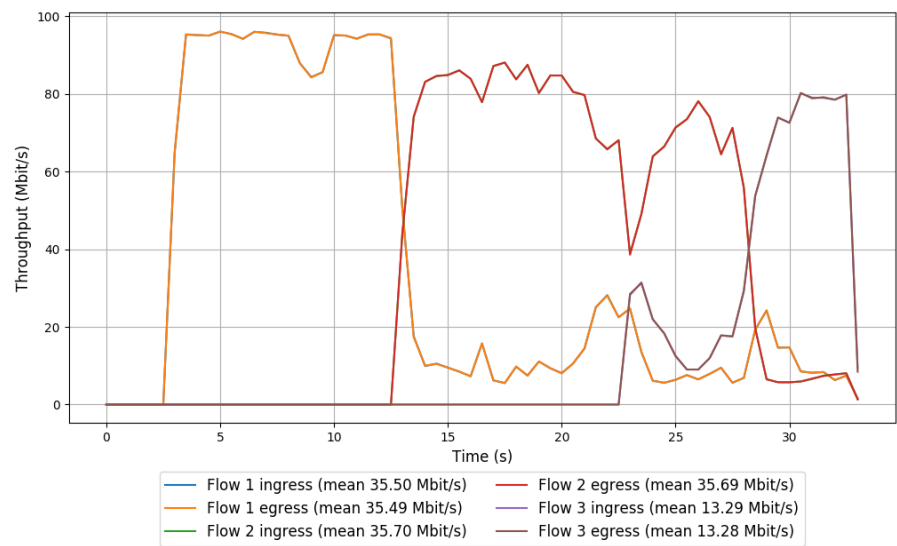
-- Flow 3:

Average throughput: 13.28 Mbit/s

95th percentile per-packet one-way delay: -1.294 ms

Loss rate: 0.08%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 23:56:33 +0000

End at: Tue, 04 Jul 2017 23:57:03 +0000

Local clock offset: 0.358 ms

Remote clock offset: -2.128 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.17 Mbit/s

95th percentile per-packet one-way delay: -0.250 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 5.06 Mbit/s

95th percentile per-packet one-way delay: -0.270 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: -0.258 ms

Loss rate: 0.01%

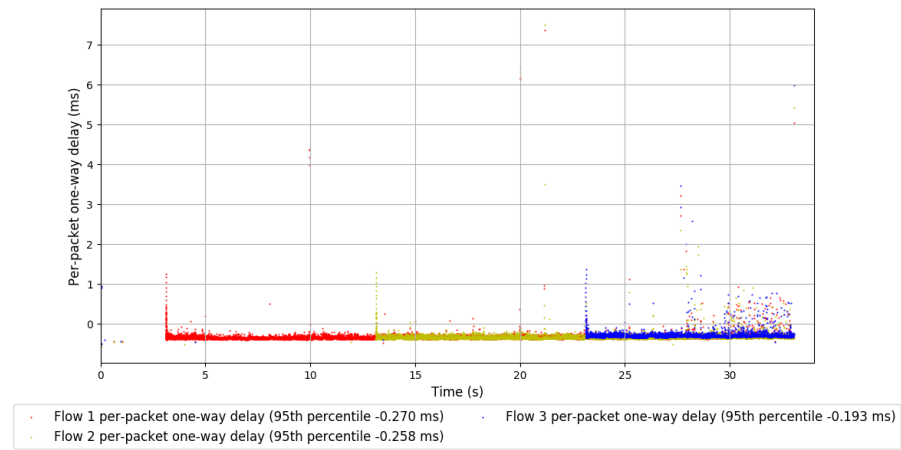
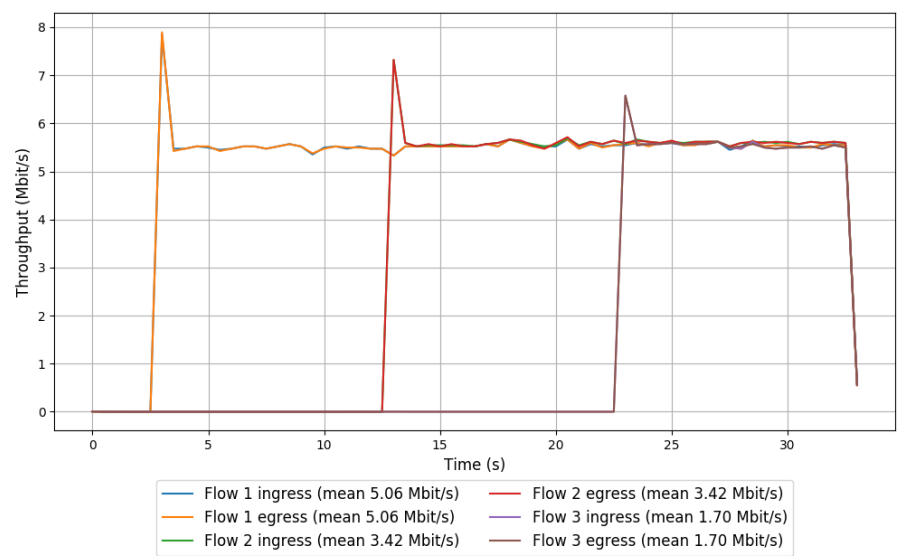
-- Flow 3:

Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: -0.193 ms

Loss rate: 0.02%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 00:13:39 +0000

End at: Wed, 05 Jul 2017 00:14:09 +0000

Local clock offset: 0.175 ms

Remote clock offset: -0.546 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 50.50 Mbit/s

95th percentile per-packet one-way delay: 1.601 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 42.33 Mbit/s

95th percentile per-packet one-way delay: 1.599 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 1.611 ms

Loss rate: 0.02%

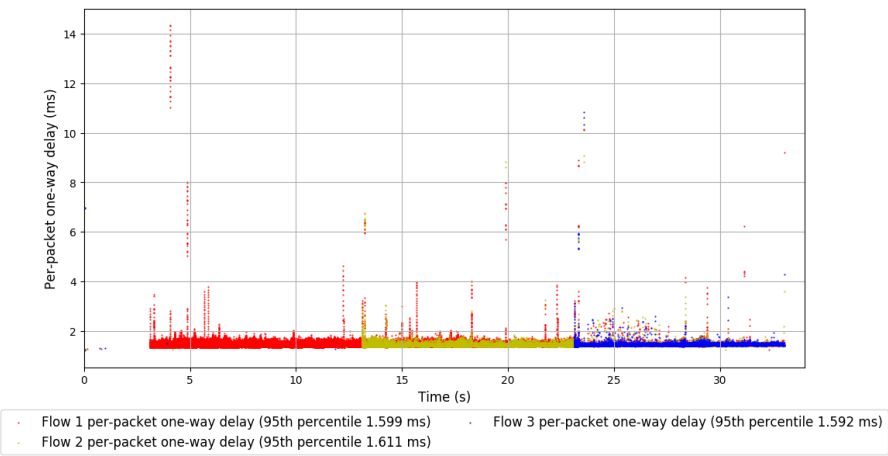
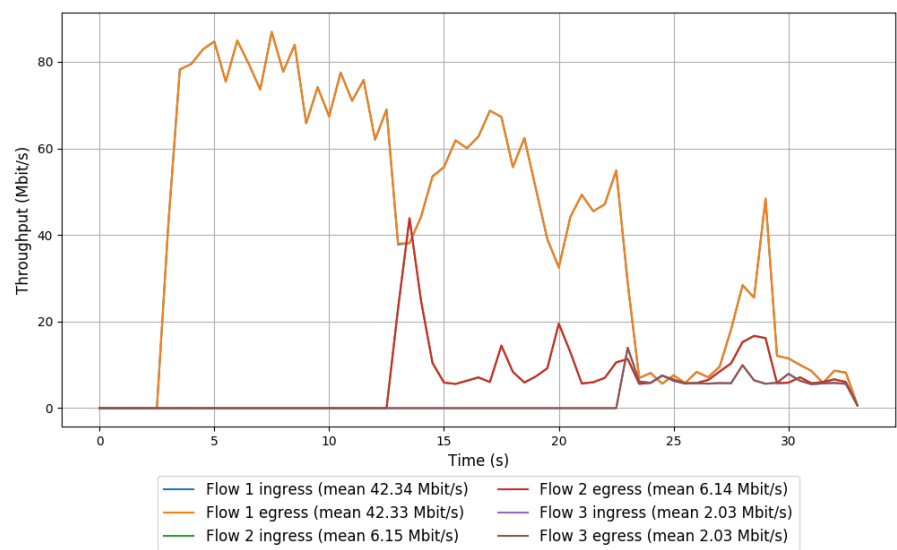
-- Flow 3:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 1.592 ms

Loss rate: 0.02%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:30:52 +0000

End at: Tue, 04 Jul 2017 21:31:22 +0000

Local clock offset: -1.381 ms

Remote clock offset: -2.14 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:47 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.95 Mbit/s

95th percentile per-packet one-way delay: 35.305 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 47.21 Mbit/s

95th percentile per-packet one-way delay: 34.886 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 25.82 Mbit/s

95th percentile per-packet one-way delay: 35.311 ms

Loss rate: 0.22%

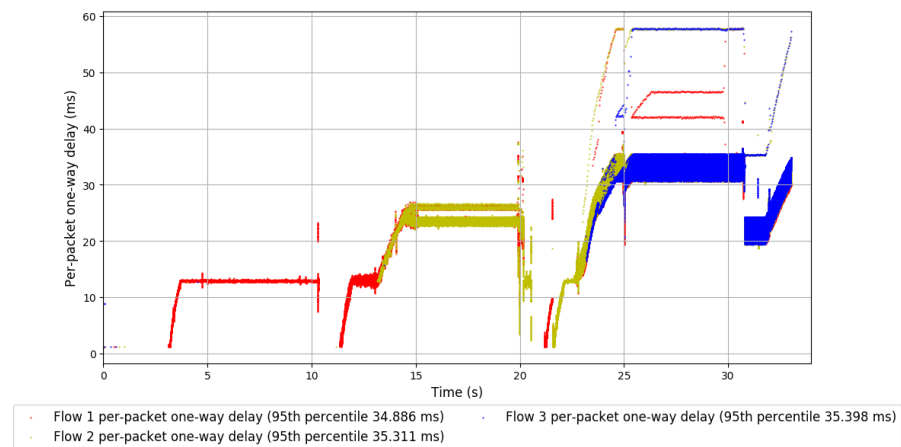
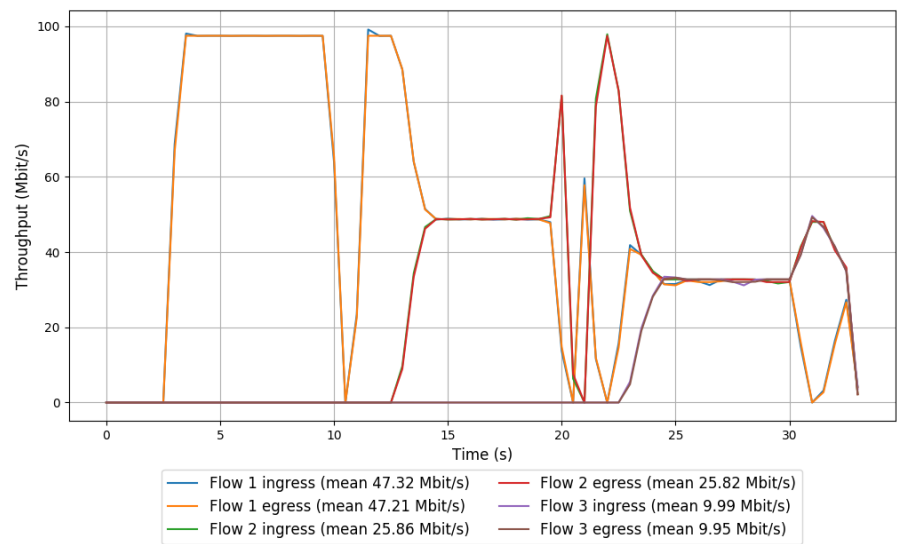
-- Flow 3:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: 35.398 ms

Loss rate: 0.54%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:48:19 +0000

End at: Tue, 04 Jul 2017 21:48:49 +0000

Local clock offset: -1.083 ms

Remote clock offset: -2.771 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.79 Mbit/s

95th percentile per-packet one-way delay: 23.165 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 47.97 Mbit/s

95th percentile per-packet one-way delay: 23.154 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 30.84 Mbit/s

95th percentile per-packet one-way delay: 23.180 ms

Loss rate: 0.31%

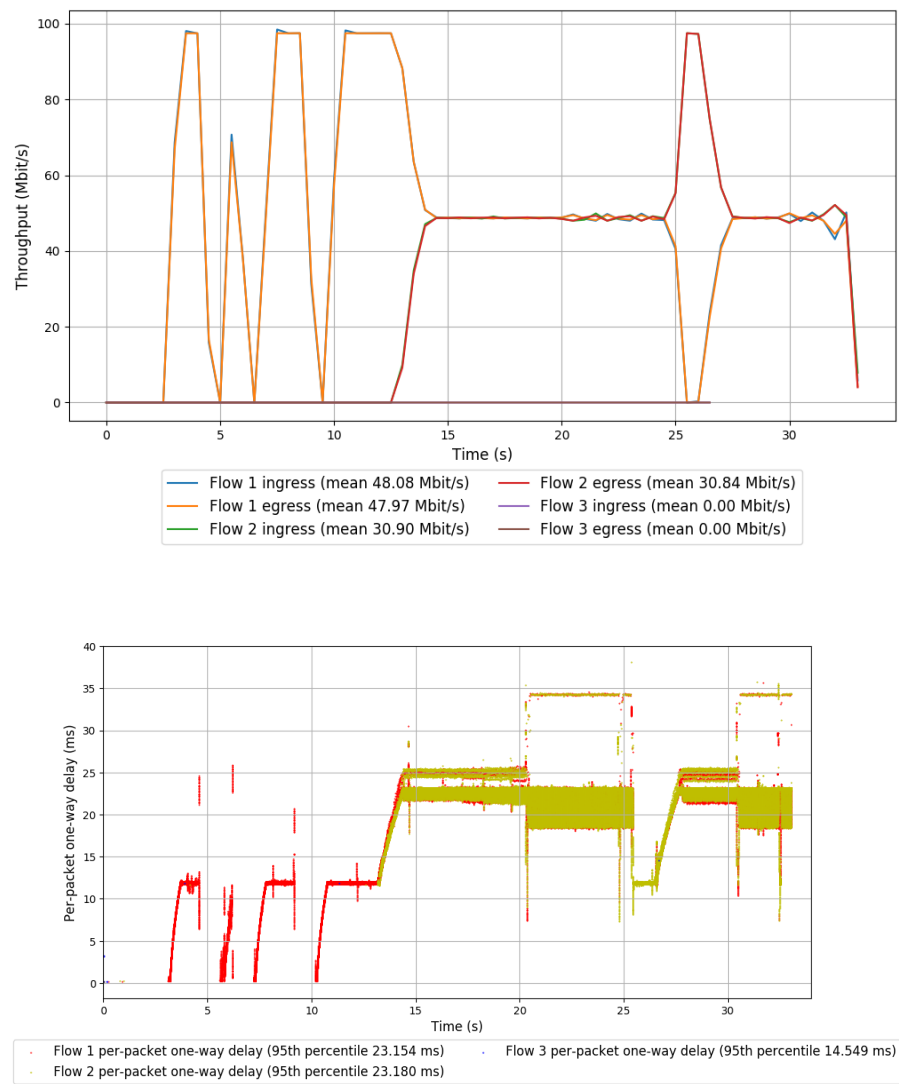
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 14.549 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:05:26 +0000

End at: Tue, 04 Jul 2017 22:05:56 +0000

Local clock offset: -0.527 ms

Remote clock offset: -3.46 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.65 Mbit/s

95th percentile per-packet one-way delay: 33.148 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 50.43 Mbit/s

95th percentile per-packet one-way delay: 33.031 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 23.21 Mbit/s

95th percentile per-packet one-way delay: 33.159 ms

Loss rate: 0.32%

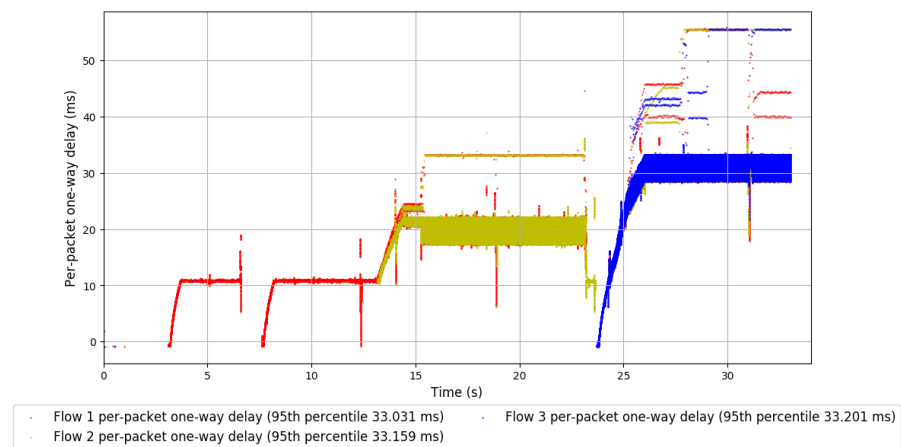
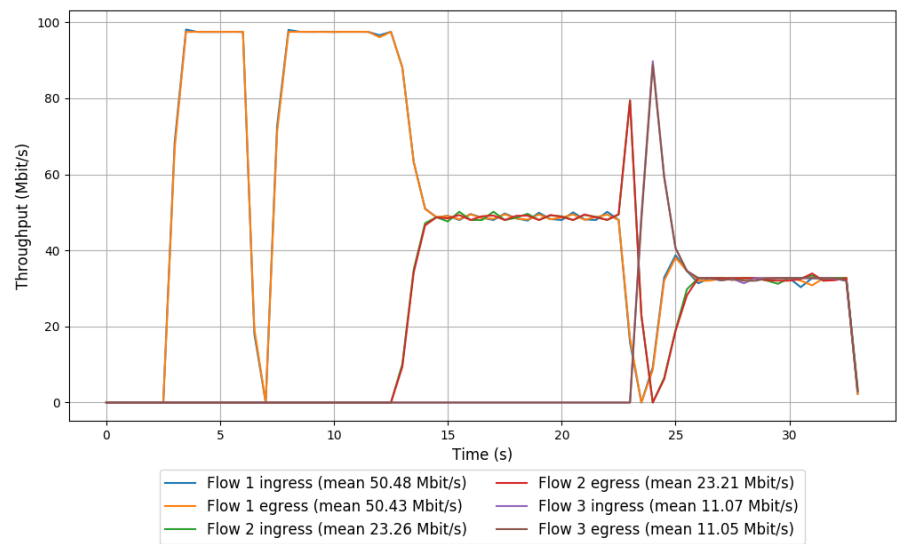
-- Flow 3:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 33.201 ms

Loss rate: 0.30%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

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

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

Local clock offset: -0.153 ms

Remote clock offset: -3.9 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 85.05 Mbit/s

95th percentile per-packet one-way delay: 21.292 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 56.36 Mbit/s

95th percentile per-packet one-way delay: 21.244 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 28.72 Mbit/s

95th percentile per-packet one-way delay: 22.395 ms

Loss rate: 0.51%

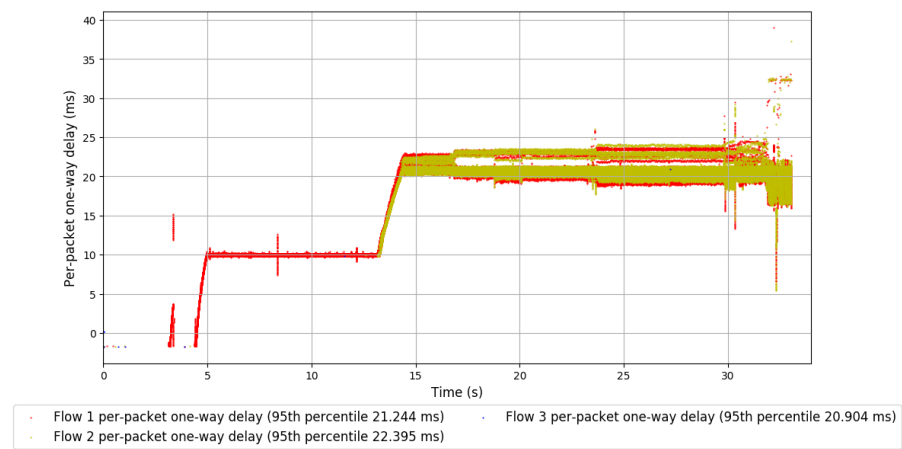
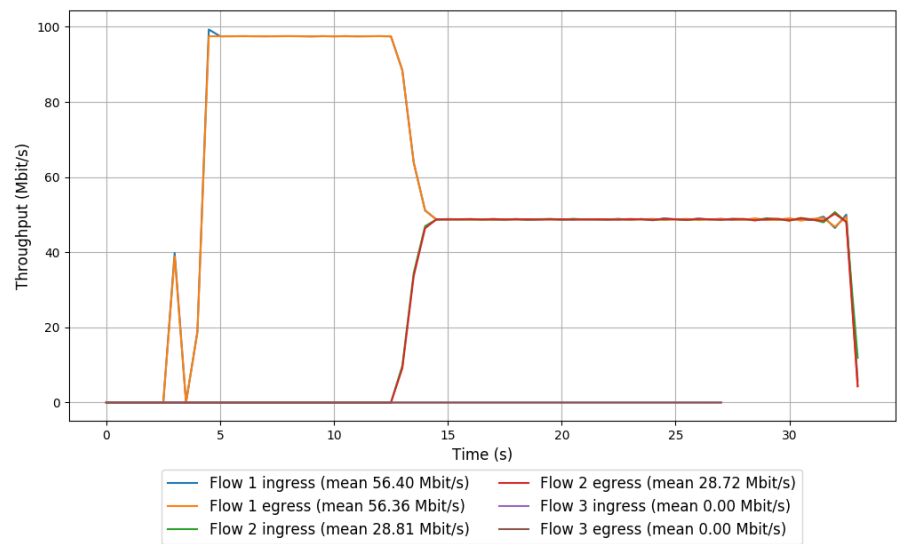
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 20.904 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:39:40 +0000

End at: Tue, 04 Jul 2017 22:40:10 +0000

Local clock offset: 0.226 ms

Remote clock offset: -4.367 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.94 Mbit/s

95th percentile per-packet one-way delay: 31.278 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 48.86 Mbit/s

95th percentile per-packet one-way delay: 29.501 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 26.46 Mbit/s

95th percentile per-packet one-way delay: 31.449 ms

Loss rate: 0.26%

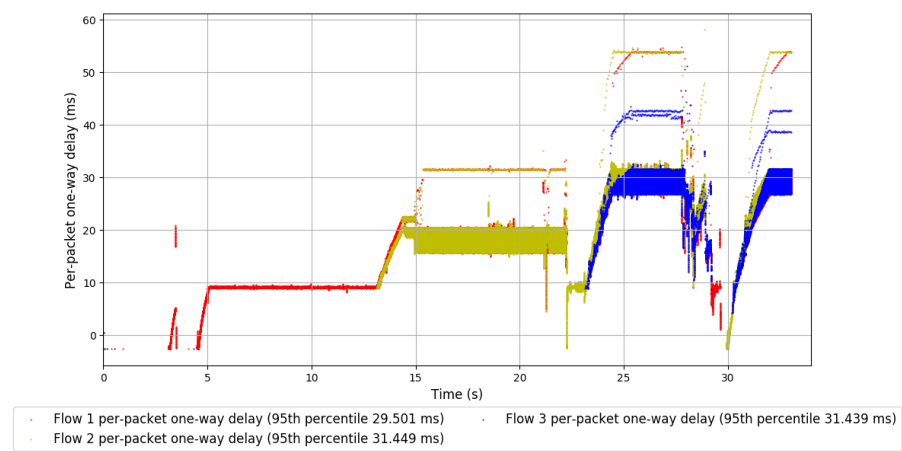
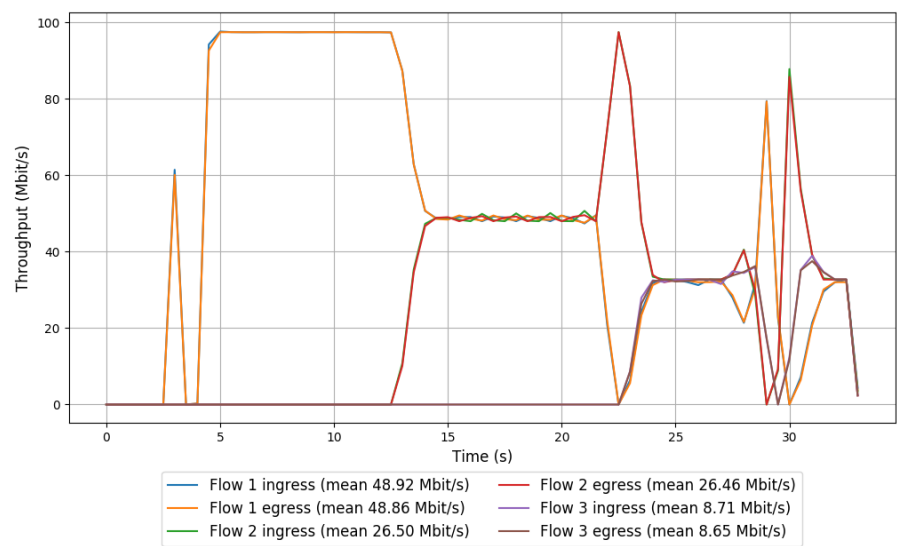
-- Flow 3:

Average throughput: 8.65 Mbit/s

95th percentile per-packet one-way delay: 31.439 ms

Loss rate: 0.65%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 22:56:52 +0000

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

Local clock offset: 0.516 ms

Remote clock offset: -4.875 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.99 Mbit/s

95th percentile per-packet one-way delay: 30.768 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 49.81 Mbit/s

95th percentile per-packet one-way delay: 30.729 ms

Loss rate: 0.24%

-- Flow 2:

Average throughput: 26.02 Mbit/s

95th percentile per-packet one-way delay: 30.788 ms

Loss rate: 0.31%

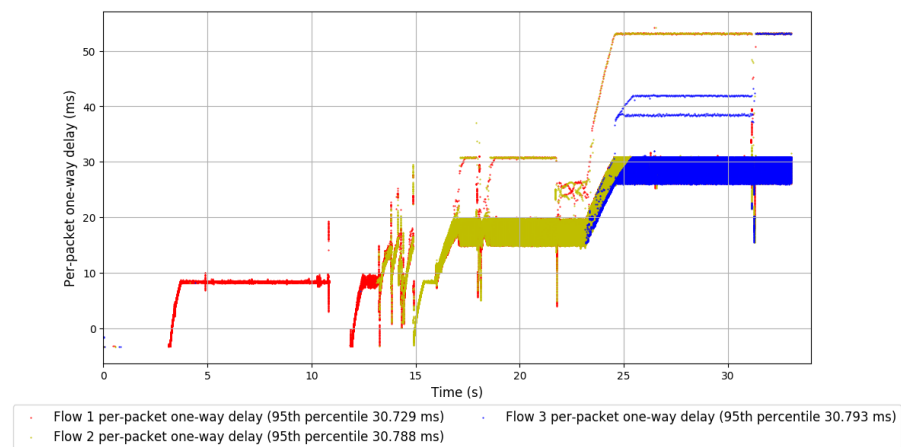
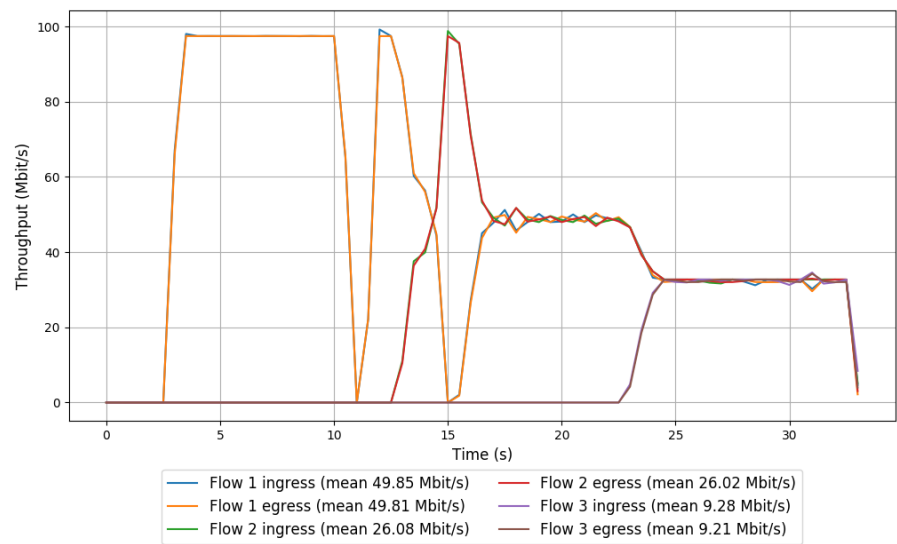
-- Flow 3:

Average throughput: 9.21 Mbit/s

95th percentile per-packet one-way delay: 30.793 ms

Loss rate: 1.02%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:14:00 +0000

End at: Tue, 04 Jul 2017 23:14:30 +0000

Local clock offset: 0.7 ms

Remote clock offset: -4.776 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.09 Mbit/s

95th percentile per-packet one-way delay: 30.645 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 54.31 Mbit/s

95th percentile per-packet one-way delay: 30.577 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 22.92 Mbit/s

95th percentile per-packet one-way delay: 29.633 ms

Loss rate: 0.26%

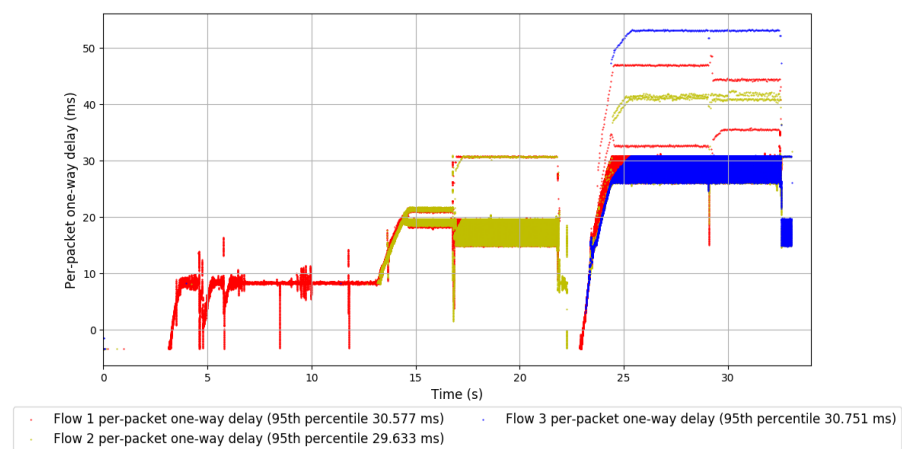
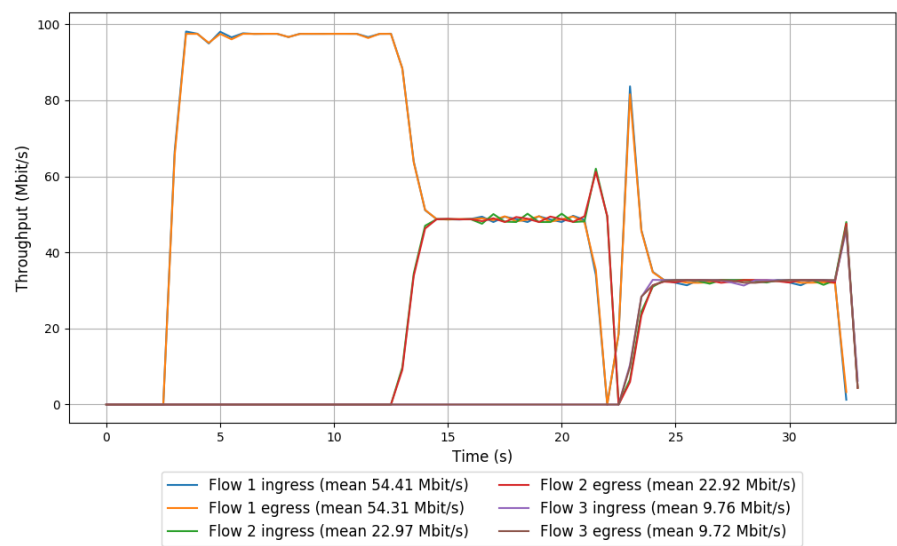
-- Flow 3:

Average throughput: 9.72 Mbit/s

95th percentile per-packet one-way delay: 30.751 ms

Loss rate: 0.49%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:31:15 +0000

End at: Tue, 04 Jul 2017 23:31:45 +0000

Local clock offset: 0.662 ms

Remote clock offset: -15.073 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.87 Mbit/s

95th percentile per-packet one-way delay: 20.575 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 20.526 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 28.87 Mbit/s

95th percentile per-packet one-way delay: 21.978 ms

Loss rate: 0.49%

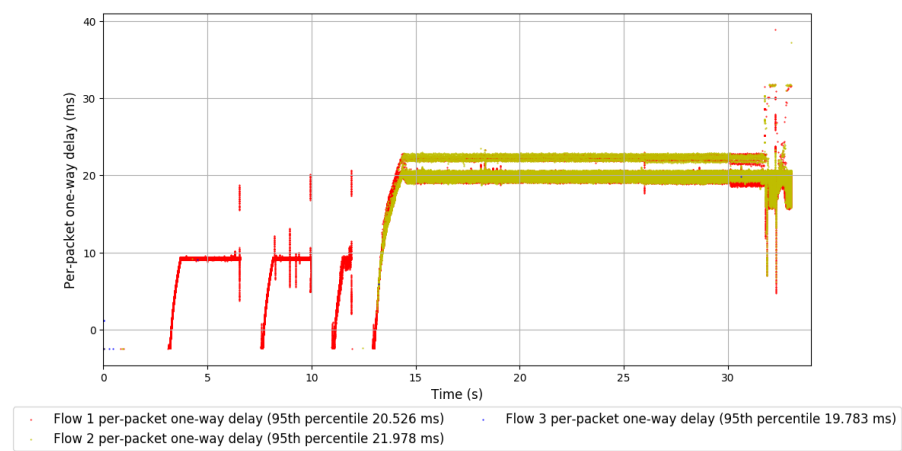
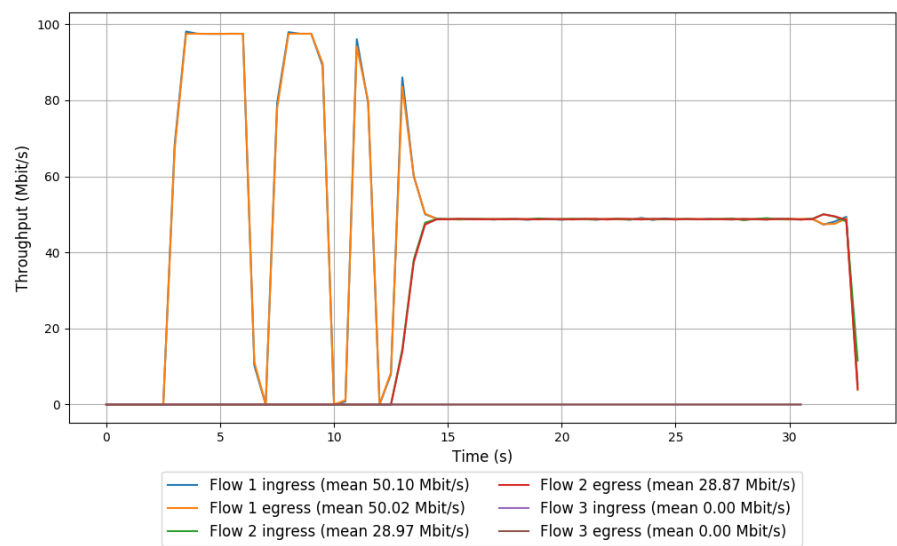
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.783 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 23:48:29 +0000

End at: Tue, 04 Jul 2017 23:48:59 +0000

Local clock offset: 0.446 ms

Remote clock offset: -2.595 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 86.42 Mbit/s

95th percentile per-packet one-way delay: 33.053 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 54.61 Mbit/s

95th percentile per-packet one-way delay: 32.932 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 33.087 ms

Loss rate: 0.25%

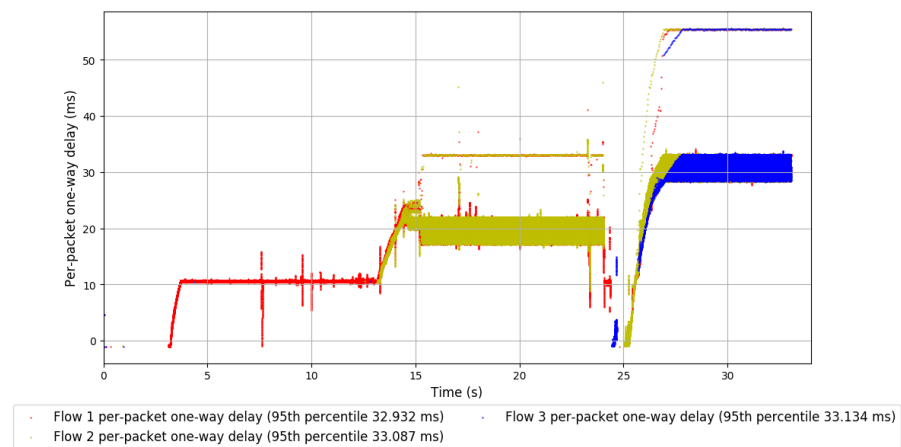
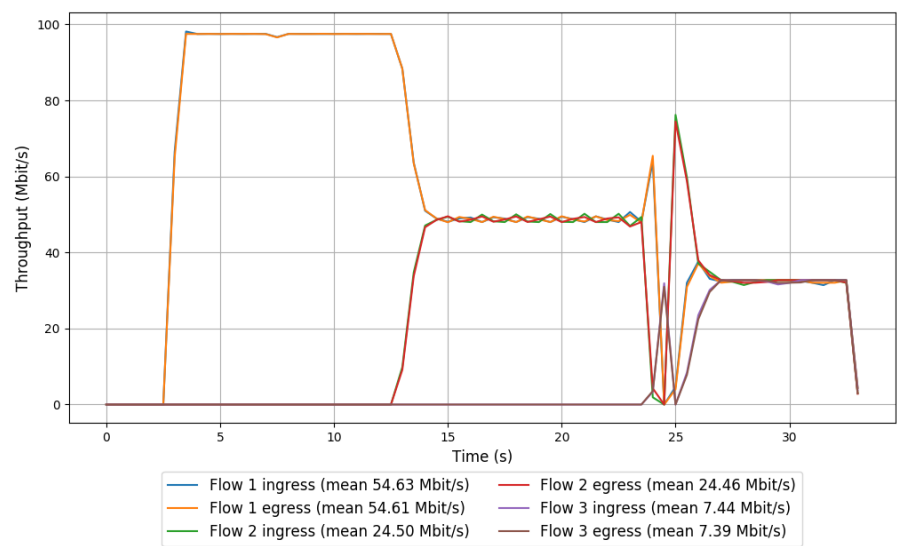
-- Flow 3:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 33.134 ms

Loss rate: 0.79%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

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

End at: Wed, 05 Jul 2017 00:06:04 +0000

Local clock offset: 0.277 ms

Remote clock offset: -1.412 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.09 Mbit/s

95th percentile per-packet one-way delay: 23.326 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 57.60 Mbit/s

95th percentile per-packet one-way delay: 23.323 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 30.51 Mbit/s

95th percentile per-packet one-way delay: 23.330 ms

Loss rate: 0.34%

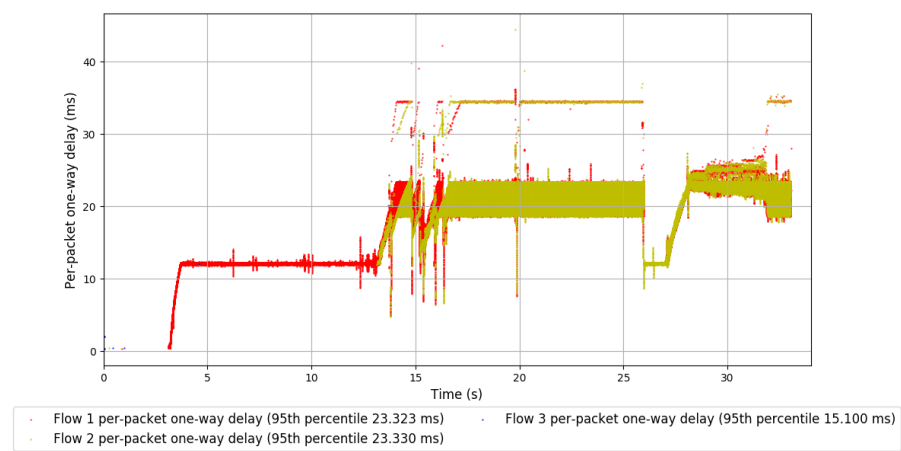
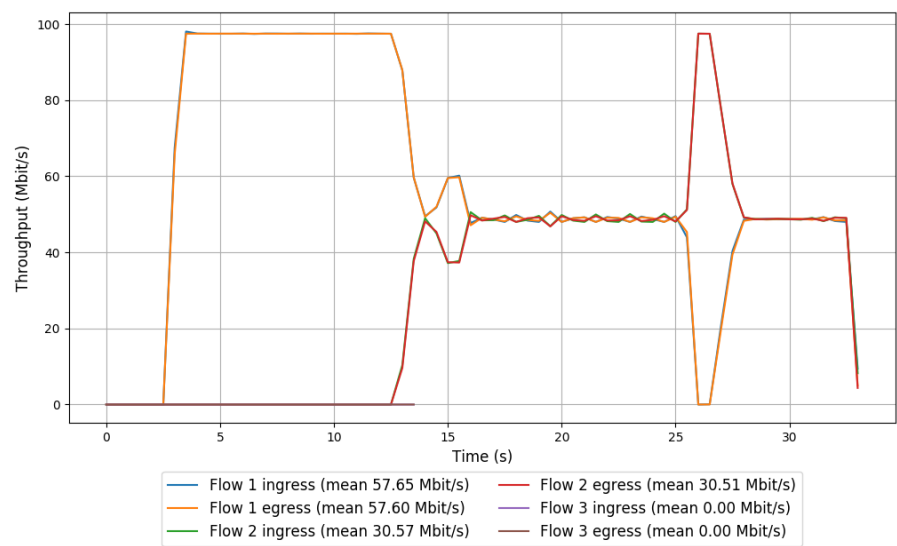
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 15.100 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Tue, 04 Jul 2017 21:40:19 +0000

End at: Tue, 04 Jul 2017 21:40:49 +0000

Local clock offset: -1.187 ms

Remote clock offset: -2.559 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:50 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 9.872 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 58.46 Mbit/s

95th percentile per-packet one-way delay: 8.671 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 15.18 Mbit/s

95th percentile per-packet one-way delay: 12.267 ms

Loss rate: 0.05%

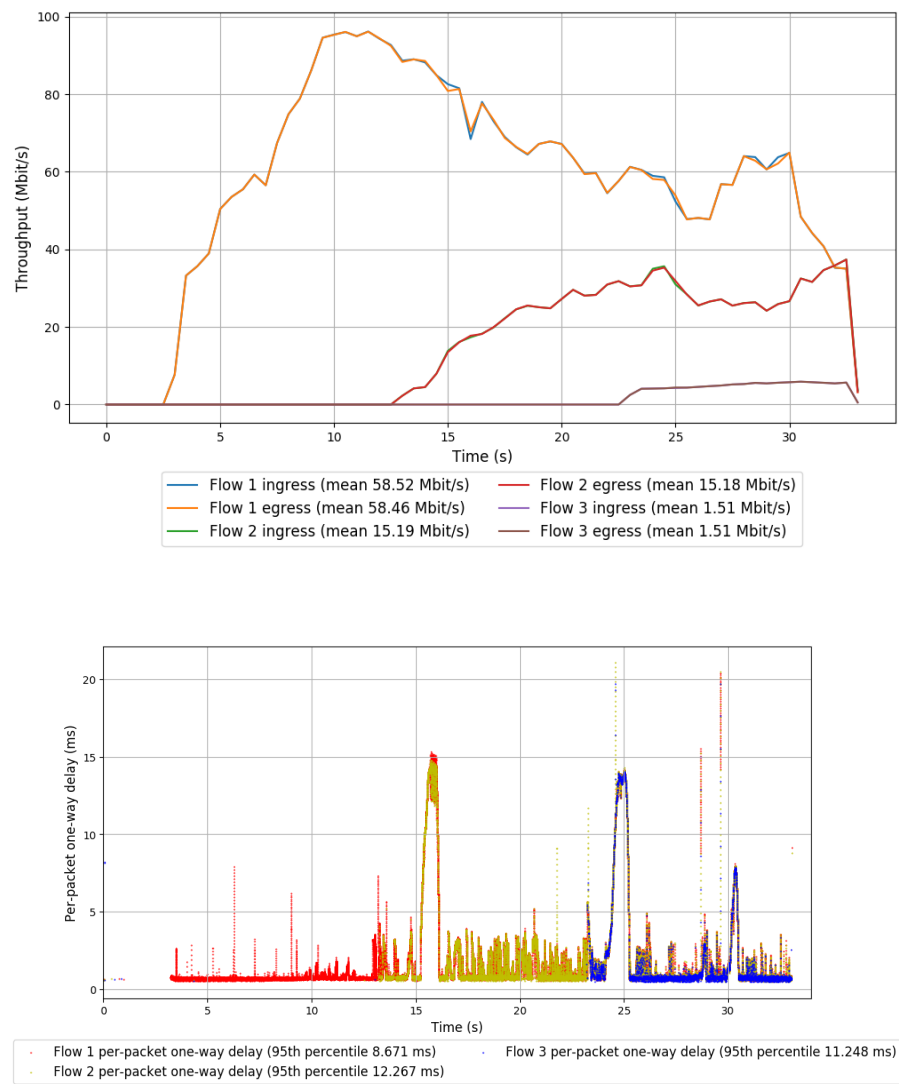
-- Flow 3:

Average throughput: 1.51 Mbit/s

95th percentile per-packet one-way delay: 11.248 ms

Loss rate: 0.05%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 04 Jul 2017 21:57:27 +0000

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

Local clock offset: -0.792 ms

Remote clock offset: -10.762 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.90 Mbit/s

95th percentile per-packet one-way delay: 4.261 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 56.88 Mbit/s

95th percentile per-packet one-way delay: 3.972 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 23.07 Mbit/s

95th percentile per-packet one-way delay: 4.975 ms

Loss rate: 0.15%

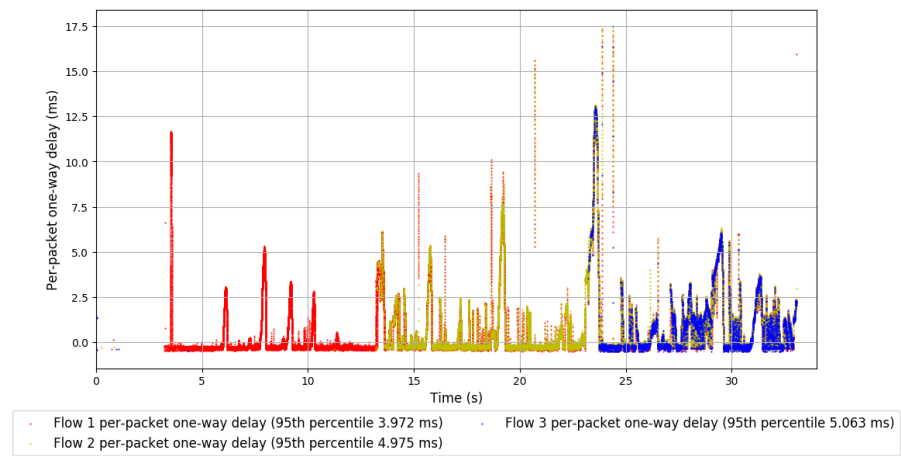
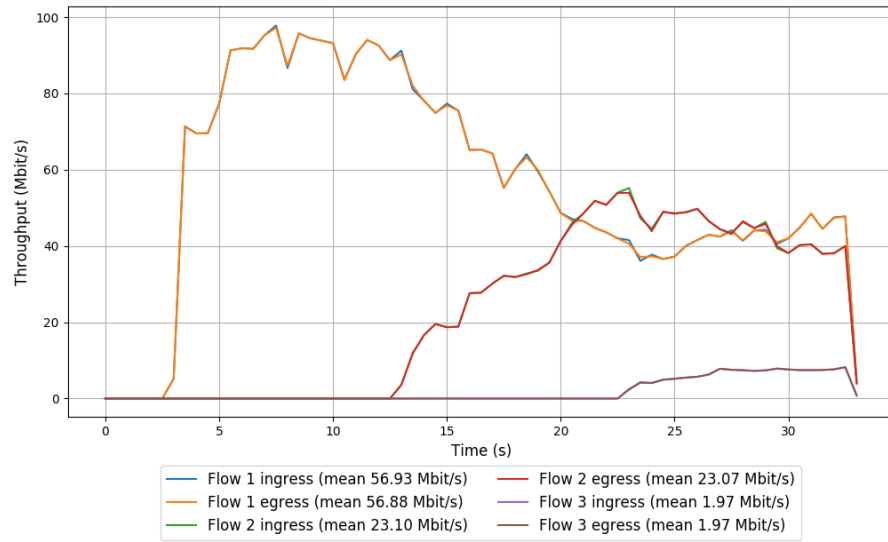
-- Flow 3:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 5.063 ms

Loss rate: 0.06%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

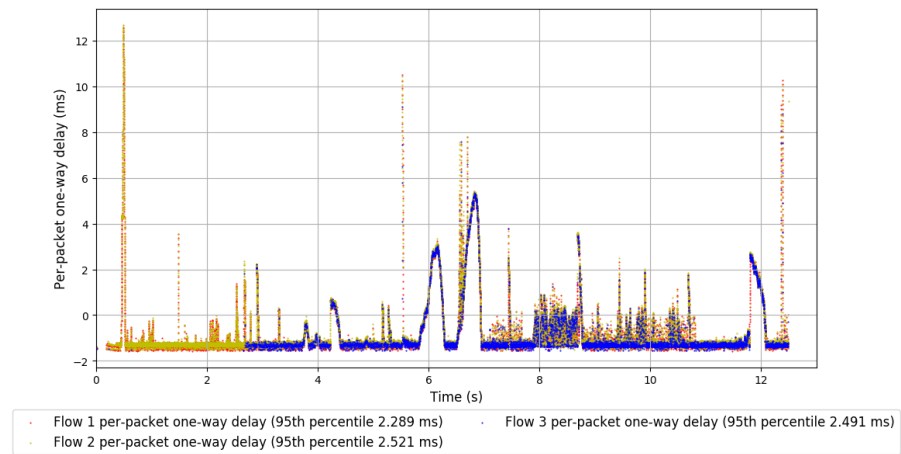
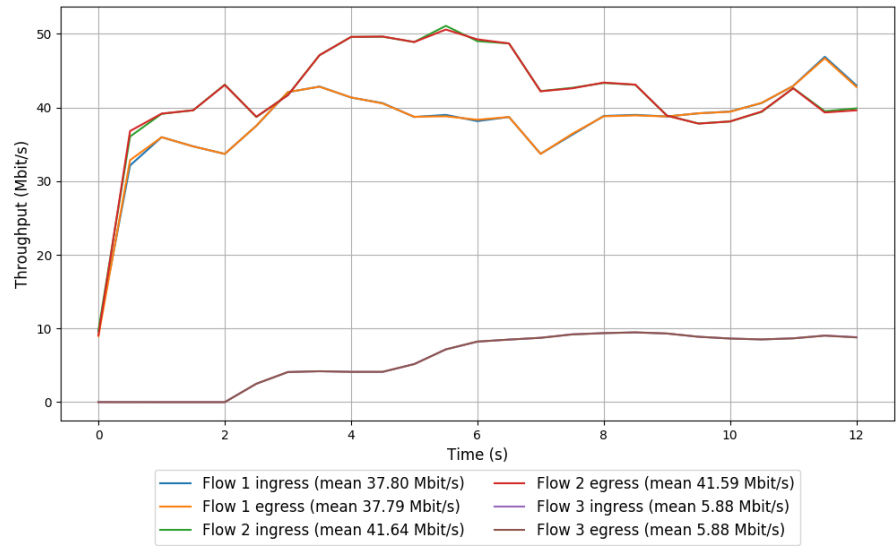
Start at: Tue, 04 Jul 2017 22:14:35 +0000

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

Local clock offset: -0.343 ms

Remote clock offset: -3.798 ms

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:31:42 +0000

End at: Tue, 04 Jul 2017 22:32:12 +0000

Local clock offset: 0.047 ms

Remote clock offset: -4.129 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:02 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 75.48 Mbit/s

95th percentile per-packet one-way delay: 14.296 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 52.21 Mbit/s

95th percentile per-packet one-way delay: 14.232 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 21.91 Mbit/s

95th percentile per-packet one-way delay: 14.490 ms

Loss rate: 0.05%

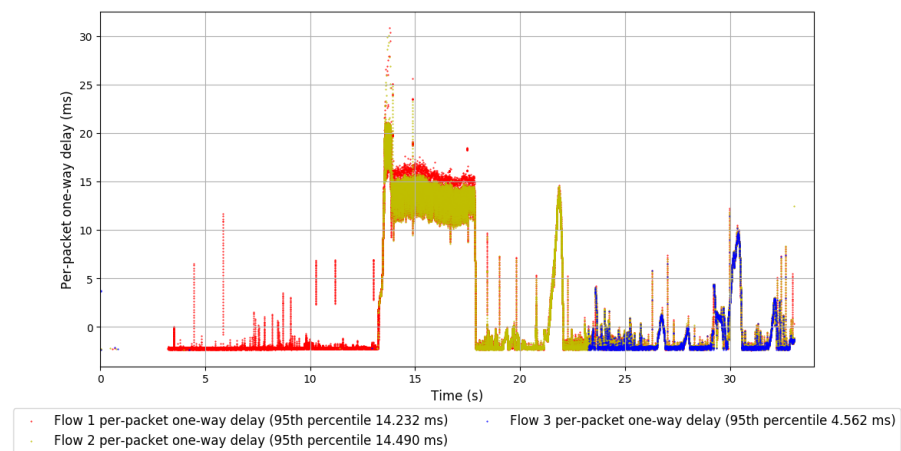
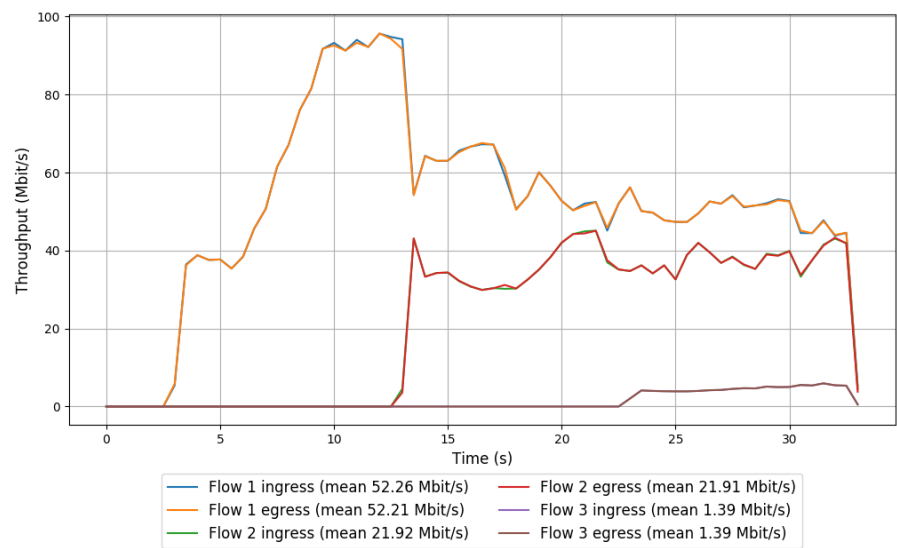
-- Flow 3:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 4.562 ms

Loss rate: 0.08%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Tue, 04 Jul 2017 22:48:55 +0000

End at: Tue, 04 Jul 2017 22:49:25 +0000

Local clock offset: 0.36 ms

Remote clock offset: -4.655 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 79.56 Mbit/s

95th percentile per-packet one-way delay: 12.391 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 65.01 Mbit/s

95th percentile per-packet one-way delay: 12.222 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 8.70 Mbit/s

95th percentile per-packet one-way delay: 12.569 ms

Loss rate: 0.06%

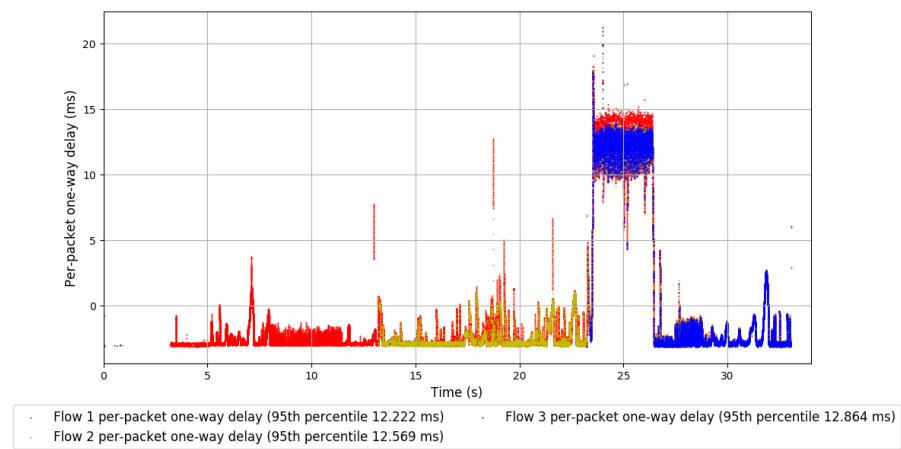
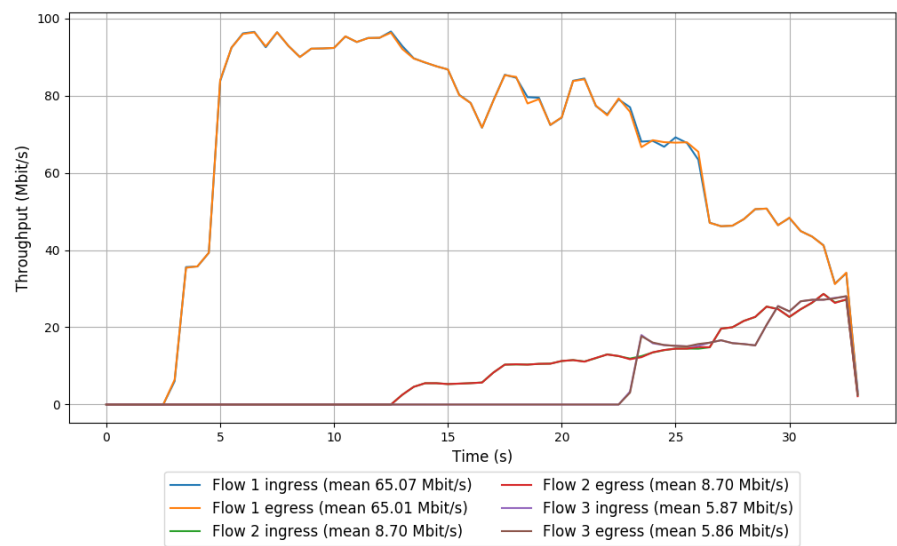
-- Flow 3:

Average throughput: 5.86 Mbit/s

95th percentile per-packet one-way delay: 12.864 ms

Loss rate: 0.09%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:06:01 +0000

End at: Tue, 04 Jul 2017 23:06:31 +0000

Local clock offset: 0.674 ms

Remote clock offset: -4.854 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.34 Mbit/s

95th percentile per-packet one-way delay: -1.443 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 71.03 Mbit/s

95th percentile per-packet one-way delay: -1.434 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 3.27 Mbit/s

95th percentile per-packet one-way delay: -1.430 ms

Loss rate: 0.03%

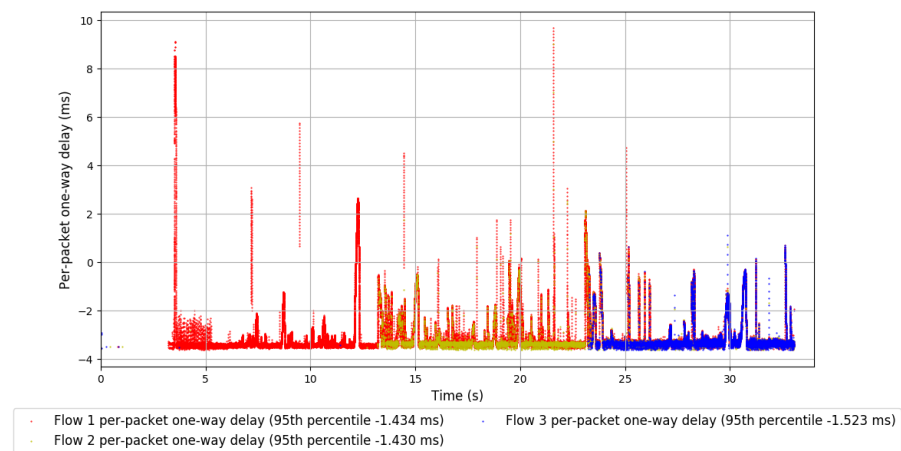
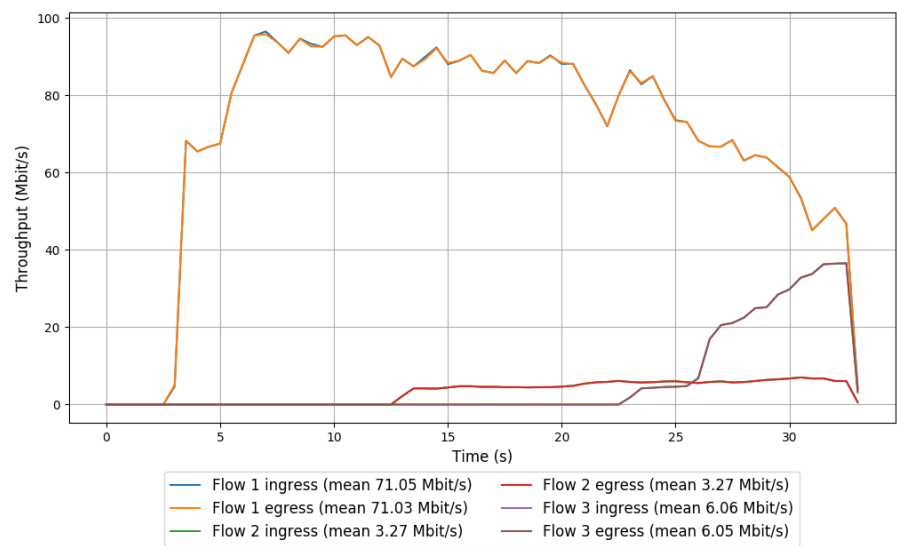
-- Flow 3:

Average throughput: 6.05 Mbit/s

95th percentile per-packet one-way delay: -1.523 ms

Loss rate: 0.11%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

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

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

Local clock offset: 0.682 ms

Remote clock offset: -4.411 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.82 Mbit/s

95th percentile per-packet one-way delay: 14.598 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 67.72 Mbit/s

95th percentile per-packet one-way delay: 14.337 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 9.92 Mbit/s

95th percentile per-packet one-way delay: 14.737 ms

Loss rate: 0.03%

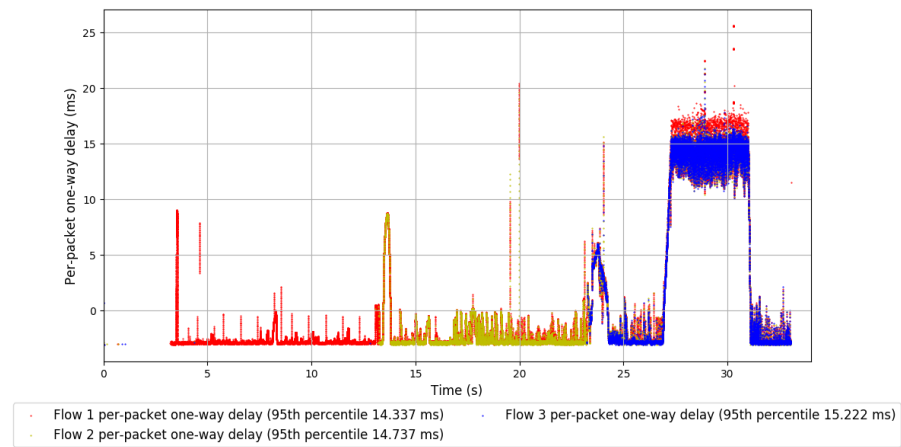
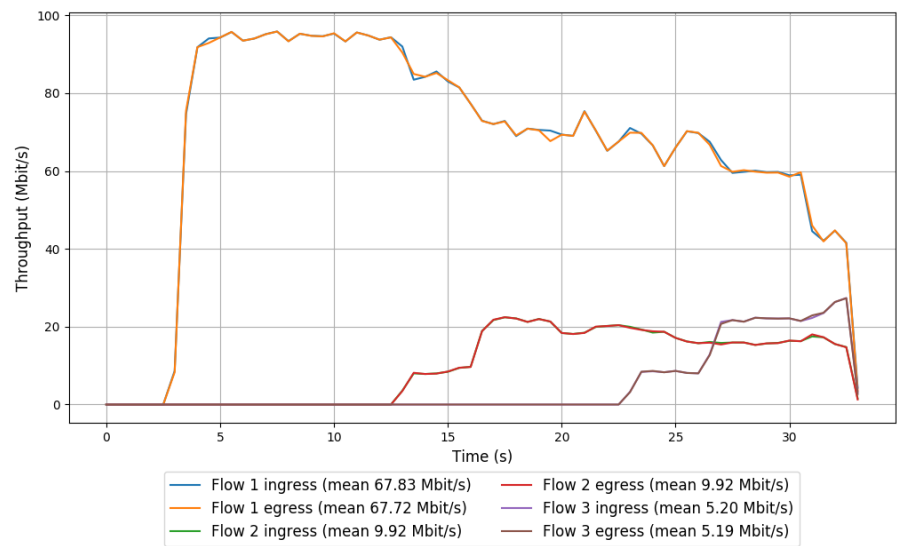
-- Flow 3:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 15.222 ms

Loss rate: 0.13%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:40:30 +0000

End at: Tue, 04 Jul 2017 23:41:00 +0000

Local clock offset: 0.648 ms

Remote clock offset: -3.195 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.84 Mbit/s

95th percentile per-packet one-way delay: 15.189 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 68.58 Mbit/s

95th percentile per-packet one-way delay: 14.428 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 6.88 Mbit/s

95th percentile per-packet one-way delay: 15.811 ms

Loss rate: 0.16%

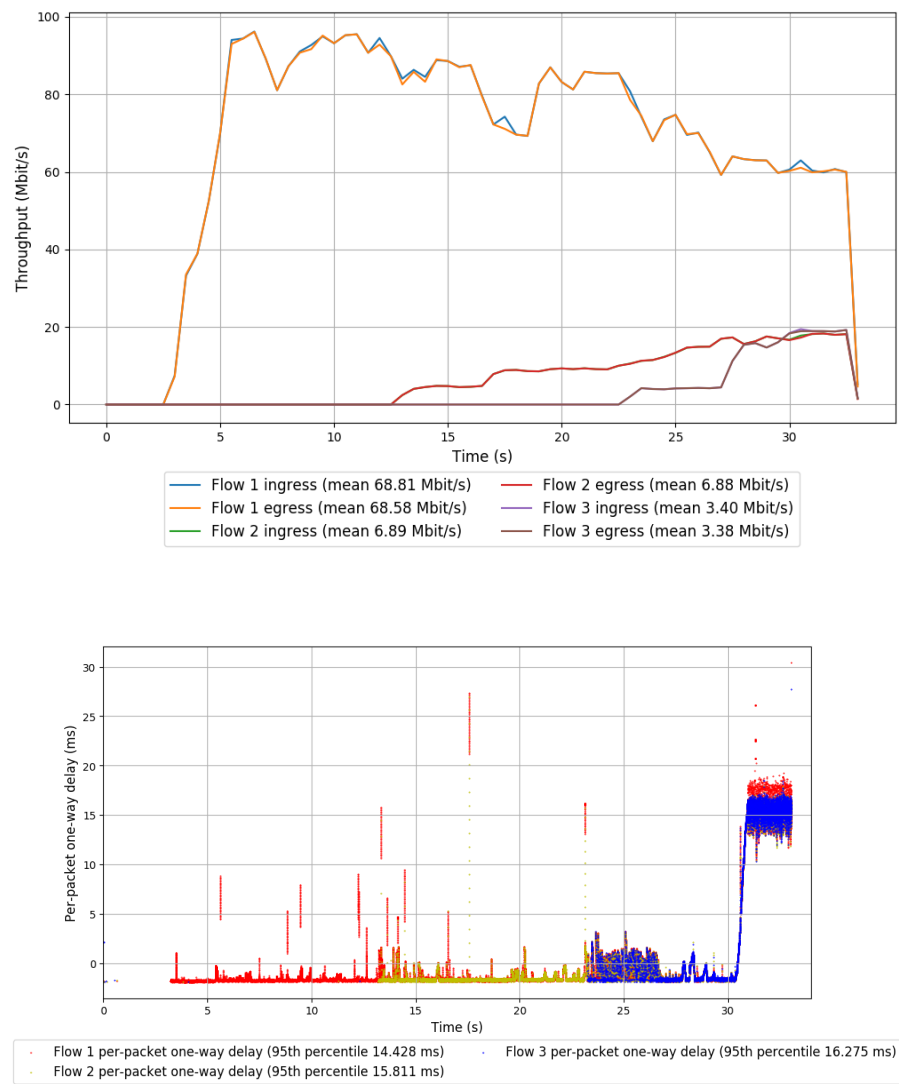
-- Flow 3:

Average throughput: 3.38 Mbit/s

95th percentile per-packet one-way delay: 16.275 ms

Loss rate: 0.37%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Tue, 04 Jul 2017 23:57:38 +0000

End at: Tue, 04 Jul 2017 23:58:08 +0000

Local clock offset: 0.37 ms

Remote clock offset: -2.104 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 78.23 Mbit/s

95th percentile per-packet one-way delay: 3.307 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 67.18 Mbit/s

95th percentile per-packet one-way delay: 3.024 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 8.96 Mbit/s

95th percentile per-packet one-way delay: 4.392 ms

Loss rate: 0.11%

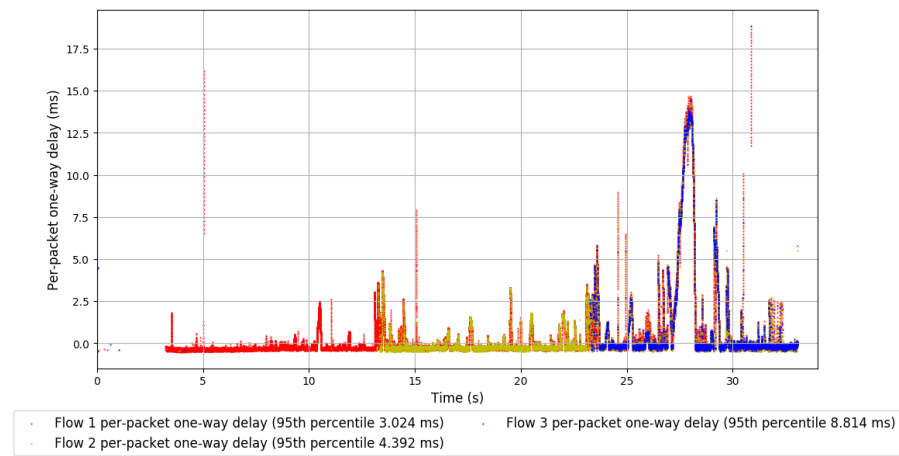
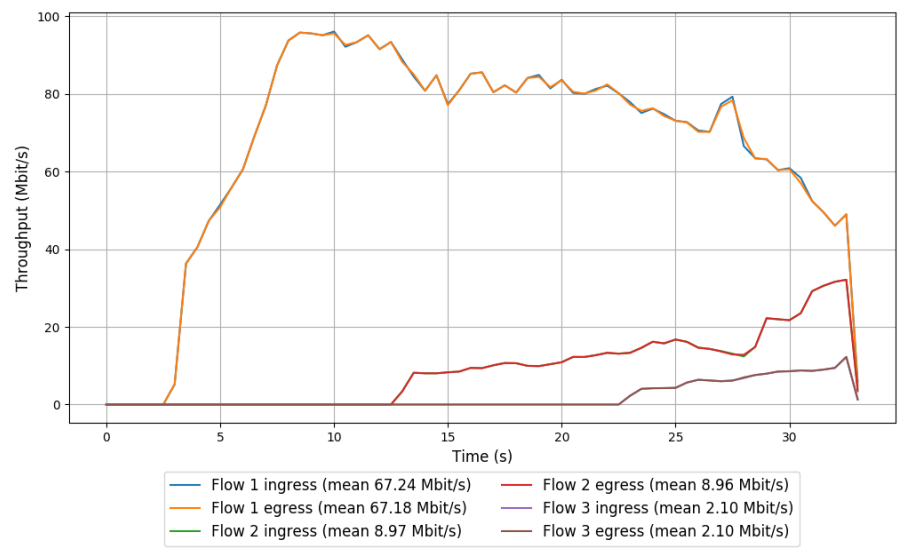
-- Flow 3:

Average throughput: 2.10 Mbit/s

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

Loss rate: 0.12%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Wed, 05 Jul 2017 00:14:47 +0000

End at: Wed, 05 Jul 2017 00:15:17 +0000

Local clock offset: 0.204 ms

Remote clock offset: -0.432 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 7.339 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 61.58 Mbit/s

95th percentile per-packet one-way delay: 7.221 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 8.070 ms

Loss rate: 0.04%

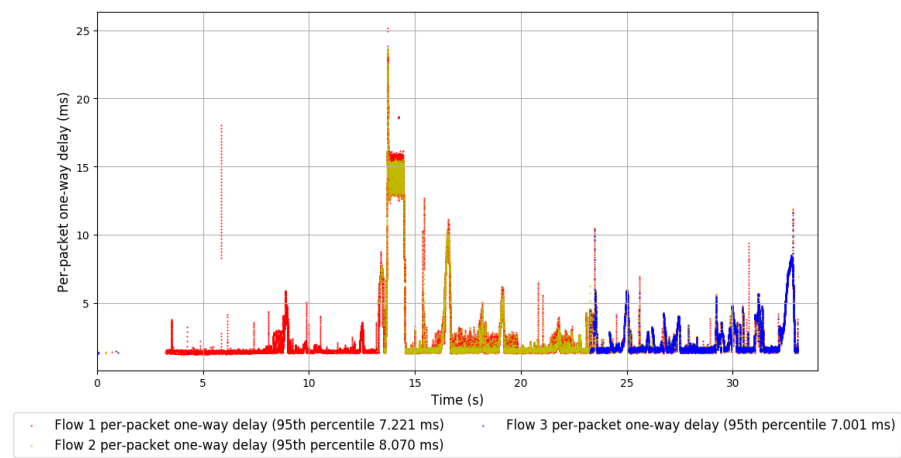
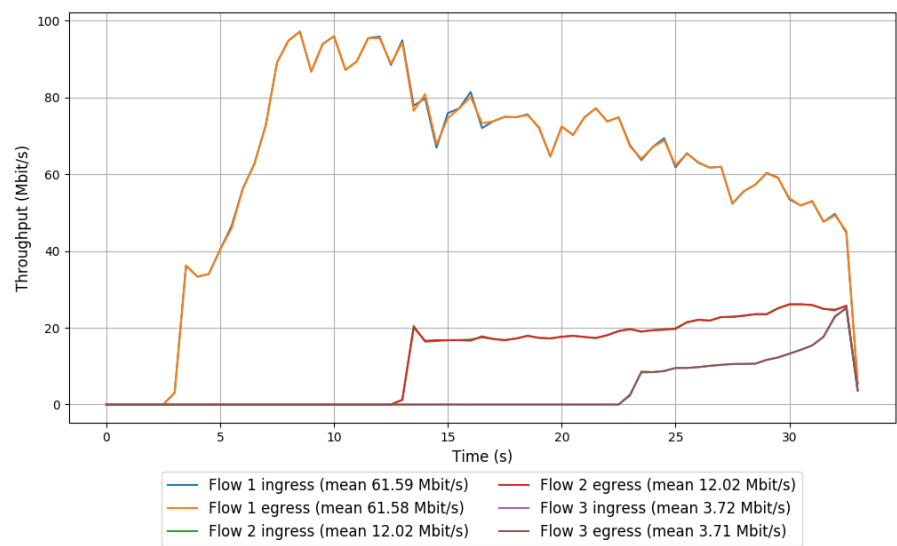
-- Flow 3:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 7.001 ms

Loss rate: 0.13%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 21:35:52 +0000

End at: Tue, 04 Jul 2017 21:36:22 +0000

Local clock offset: -1.258 ms

Remote clock offset: -2.337 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.204 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.117 ms

Loss rate: 0.00%

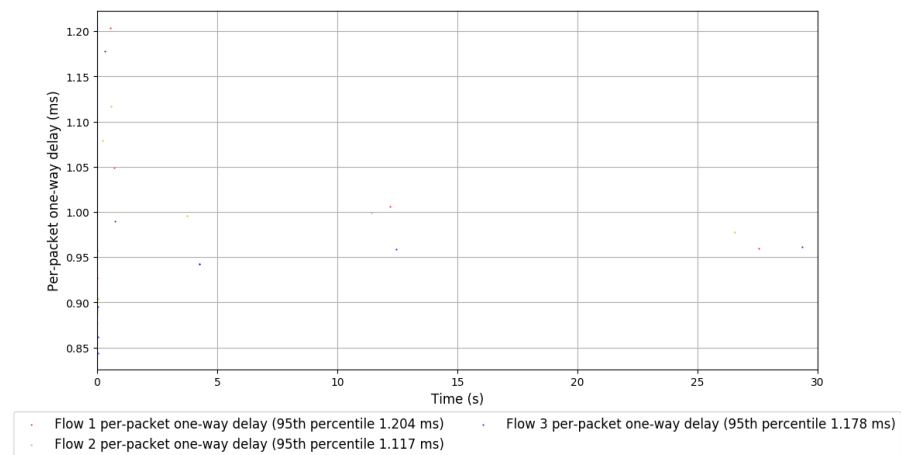
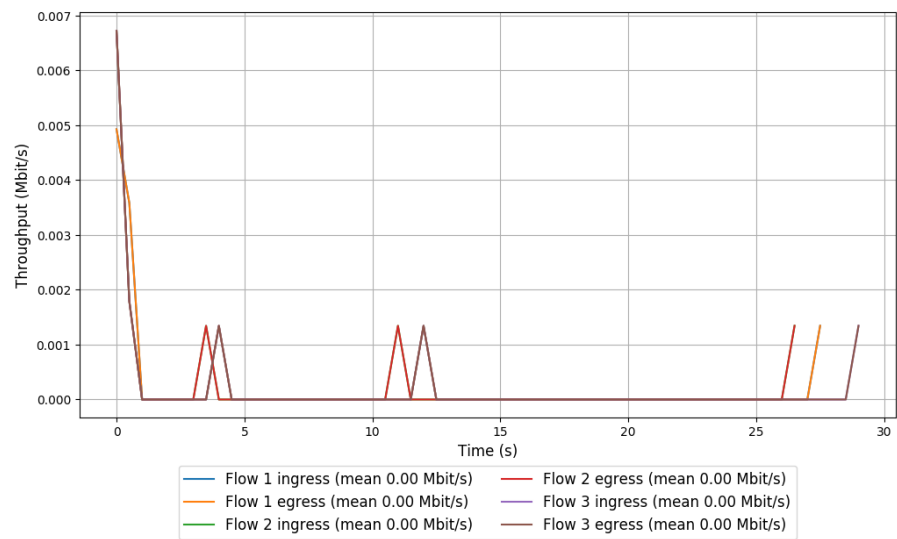
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.178 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 21:52:58 +0000

End at: Tue, 04 Jul 2017 21:53:28 +0000

Local clock offset: -0.91 ms

Remote clock offset: -2.912 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.221 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.221 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.345 ms

Loss rate: 0.00%

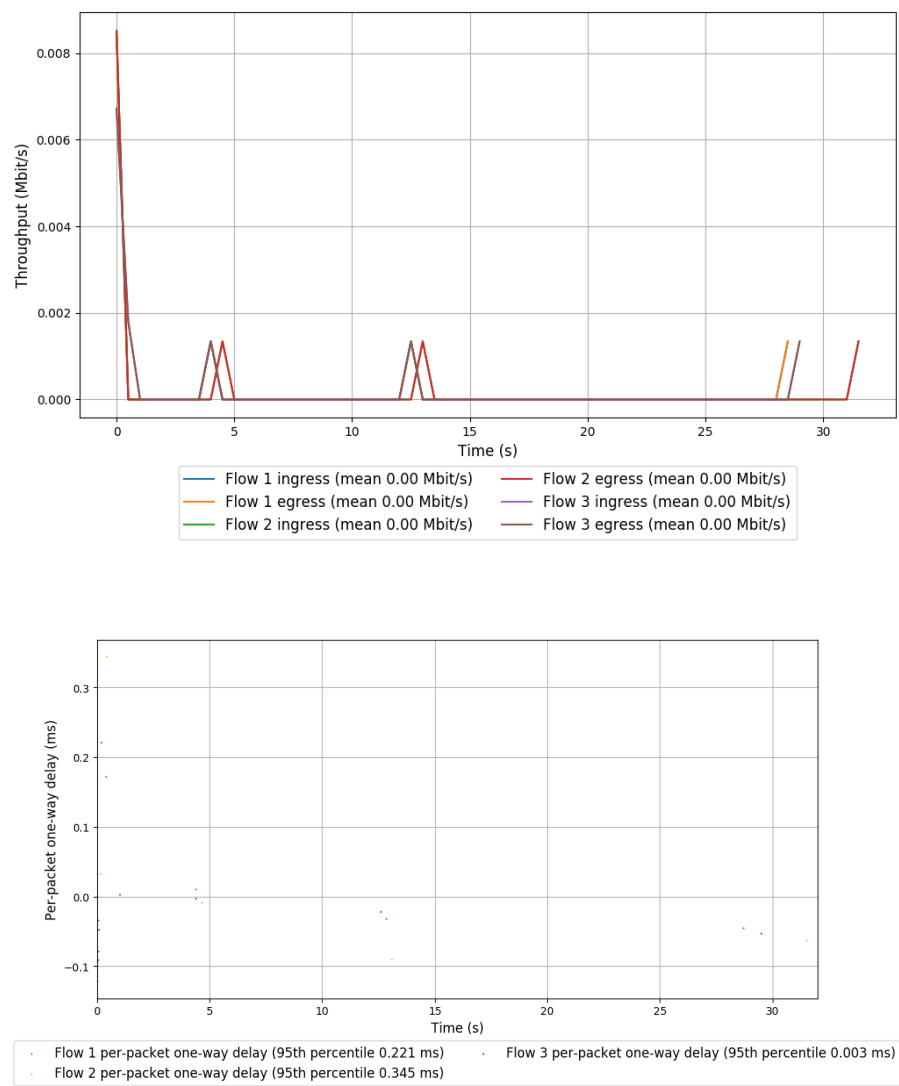
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.003 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 22:10:06 +0000

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

Local clock offset: -0.398 ms

Remote clock offset: -3.625 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.117 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.043 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.130 ms

Loss rate: 0.00%

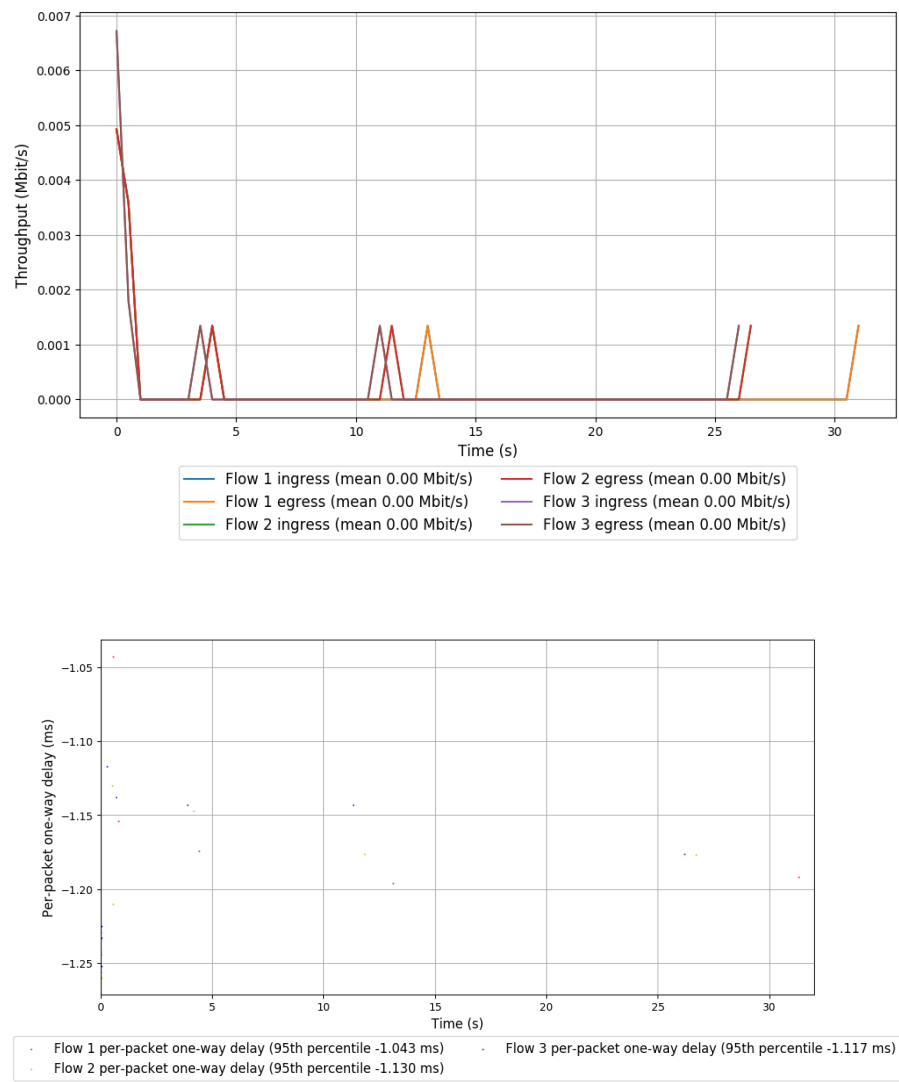
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.117 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 22:27:13 +0000

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

Local clock offset: -0.077 ms

Remote clock offset: -4.059 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.849 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.768 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.849 ms

Loss rate: 0.00%

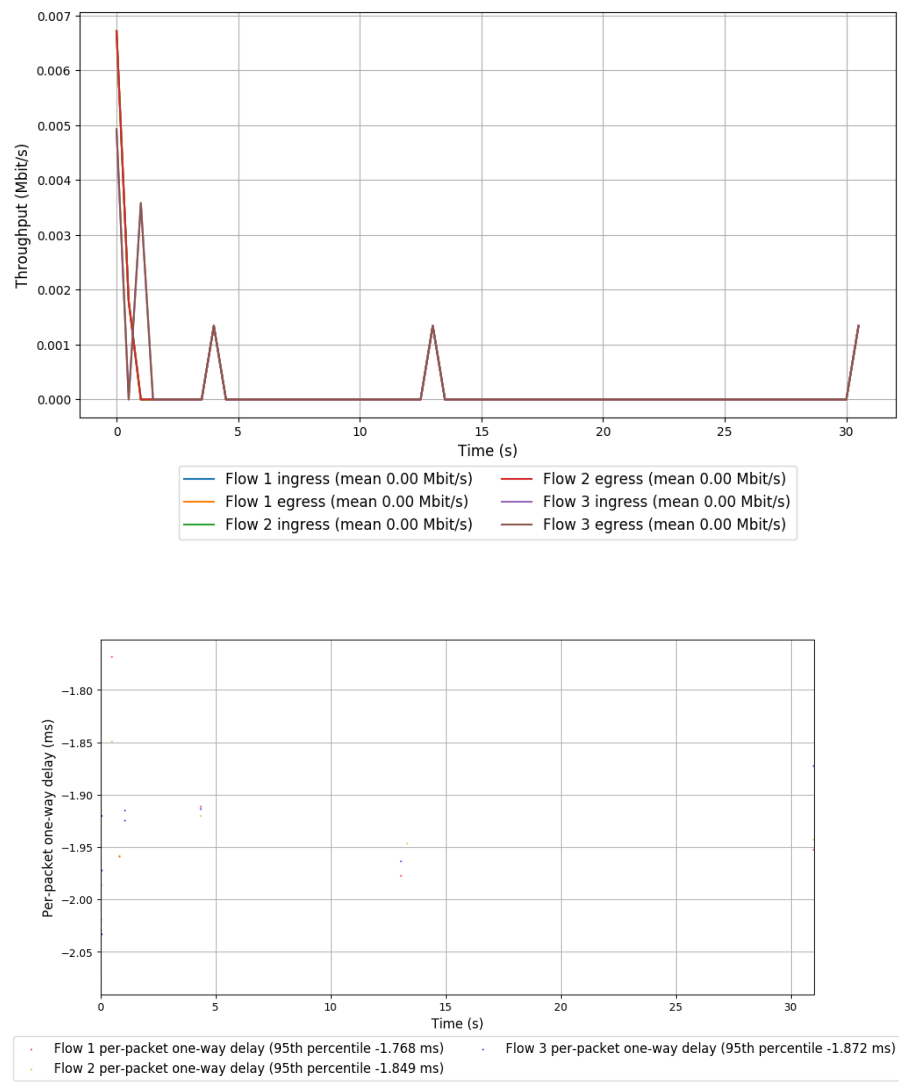
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.872 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 22:44:20 +0000

End at: Tue, 04 Jul 2017 22:44:50 +0000

Local clock offset: 0.321 ms

Remote clock offset: -4.52 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -2.215 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -2.195 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -2.701 ms

Loss rate: 0.00%

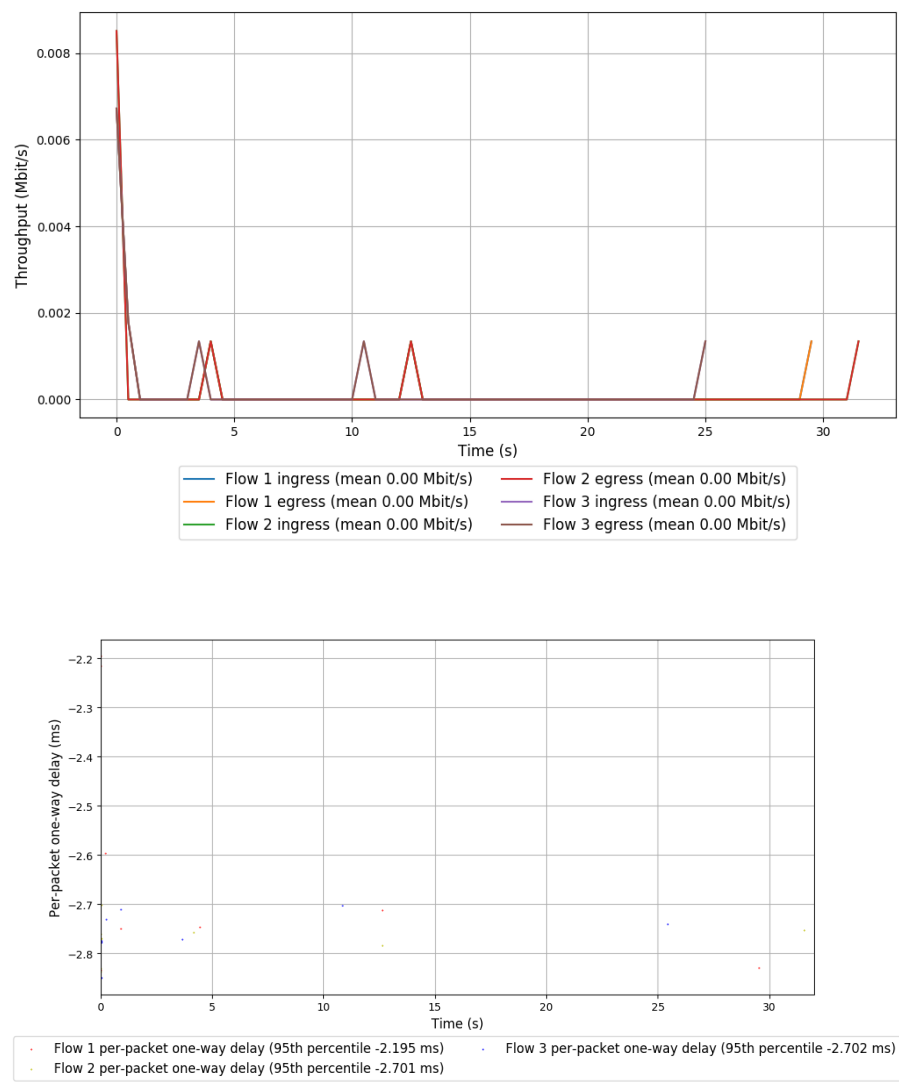
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -2.702 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 23:01:32 +0000

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

Local clock offset: 0.592 ms

Remote clock offset: -4.942 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -2.321 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -2.289 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -3.402 ms

Loss rate: 0.00%

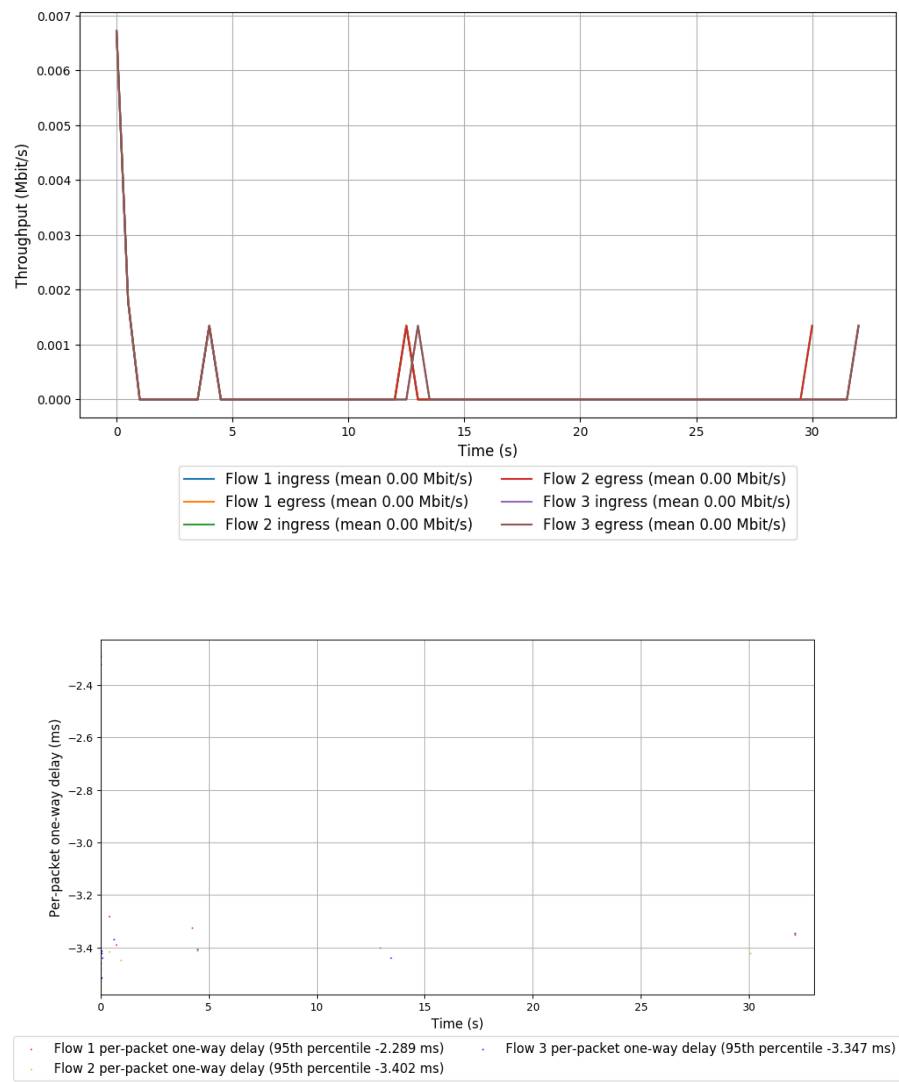
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -3.347 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 23:18:41 +0000

End at: Tue, 04 Jul 2017 23:19:11 +0000

Local clock offset: 0.676 ms

Remote clock offset: -4.648 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.599 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.579 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -3.178 ms

Loss rate: 0.00%

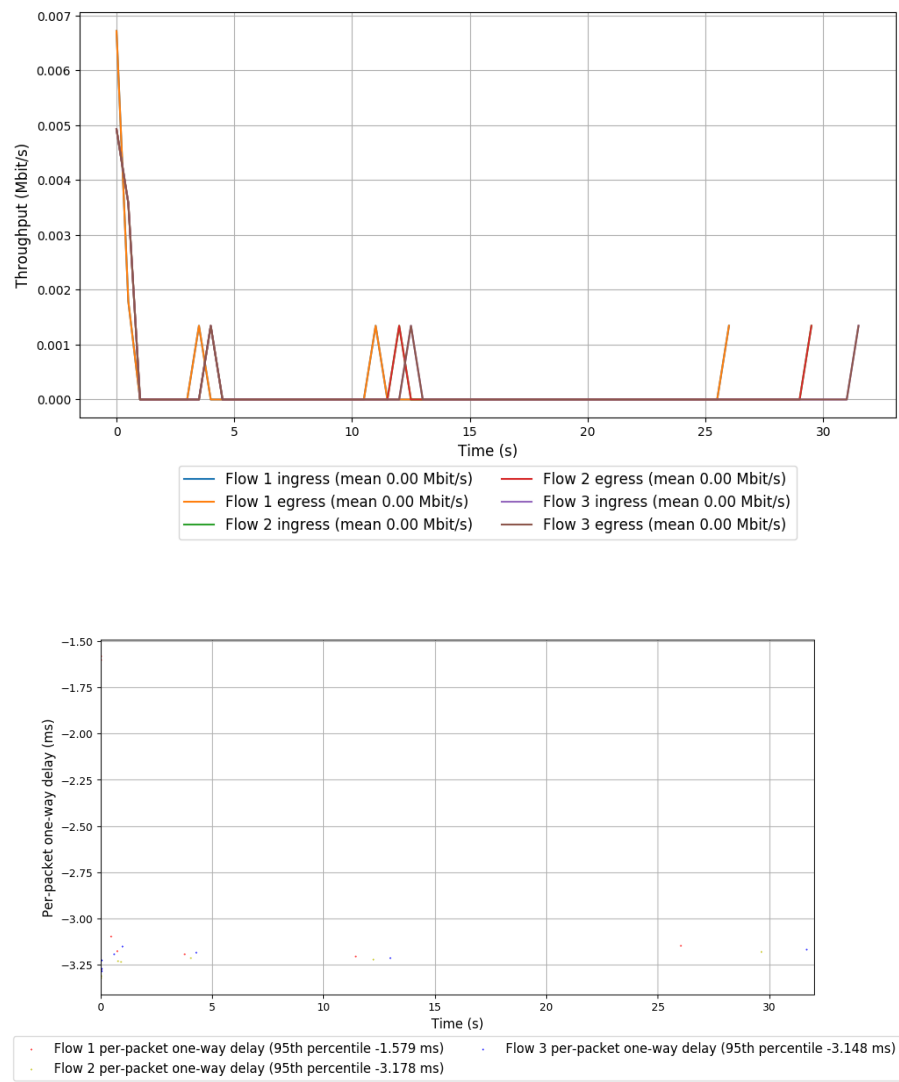
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -3.148 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 23:35:55 +0000

End at: Tue, 04 Jul 2017 23:36:25 +0000

Local clock offset: 0.576 ms

Remote clock offset: -3.508 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.032 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.999 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -2.034 ms

Loss rate: 0.00%

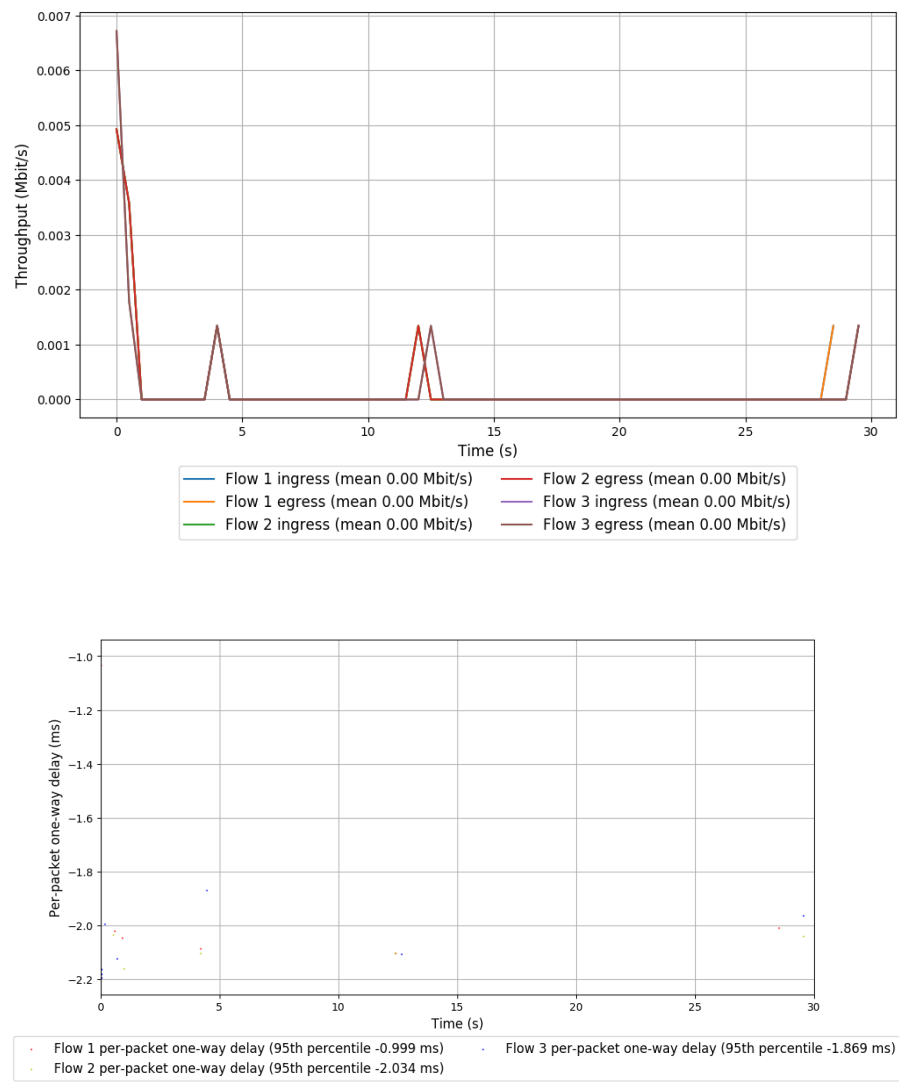
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -1.869 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 23:53:09 +0000

End at: Tue, 04 Jul 2017 23:53:39 +0000

Local clock offset: 0.404 ms

Remote clock offset: -2.282 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.438 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 0.471 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.649 ms

Loss rate: 0.00%

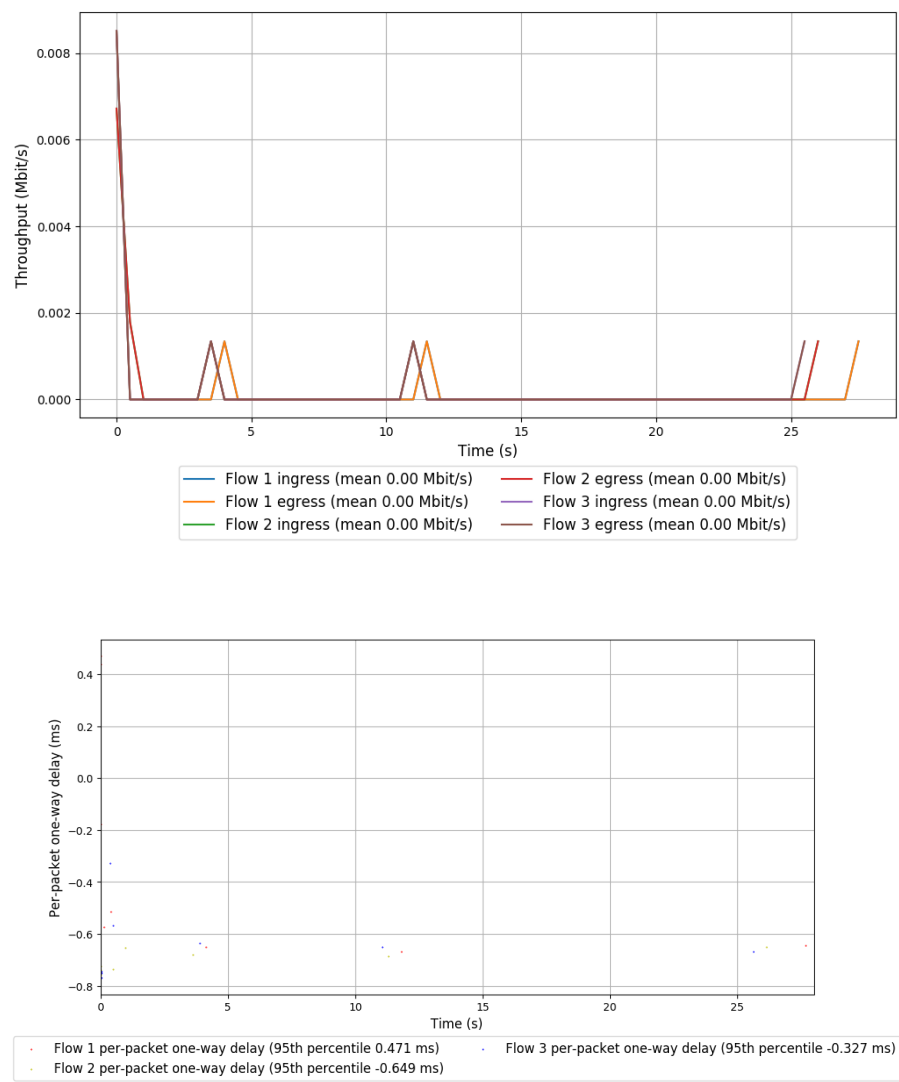
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: -0.327 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 00:10:15 +0000

End at: Wed, 05 Jul 2017 00:10:45 +0000

Local clock offset: 0.256 ms

Remote clock offset: -0.928 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.256 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 2.287 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.005 ms

Loss rate: 0.00%

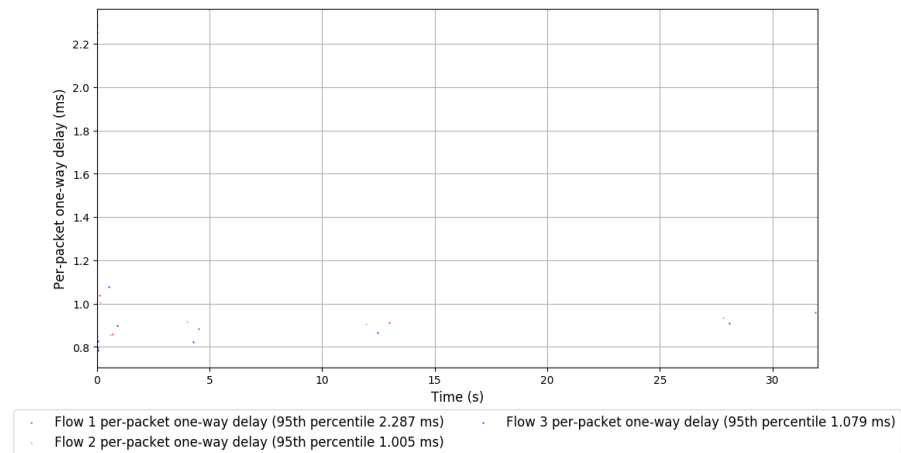
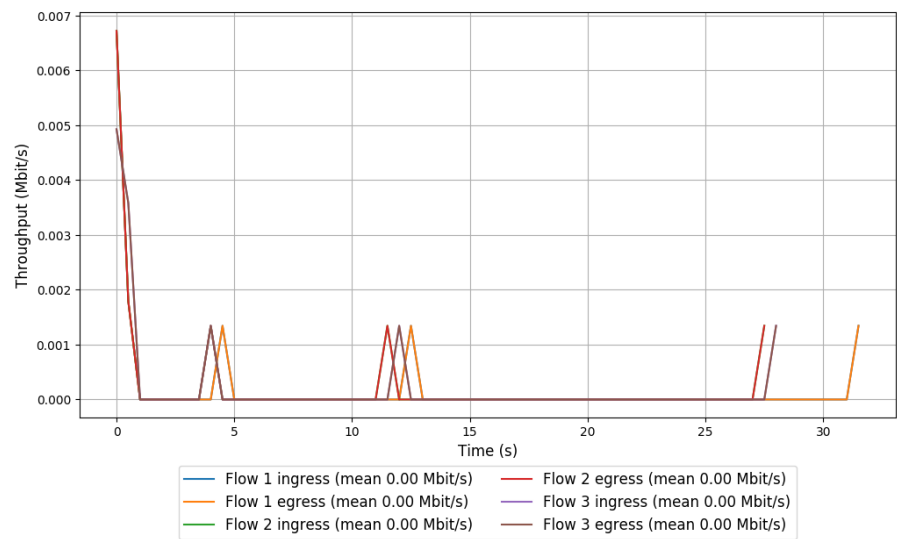
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 1.079 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

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

End at: Tue, 04 Jul 2017 21:38:34 +0000

Local clock offset: -1.28 ms

Remote clock offset: -2.442 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 24.255 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 58.84 Mbit/s

95th percentile per-packet one-way delay: 24.233 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 29.38 Mbit/s

95th percentile per-packet one-way delay: 24.278 ms

Loss rate: 0.25%

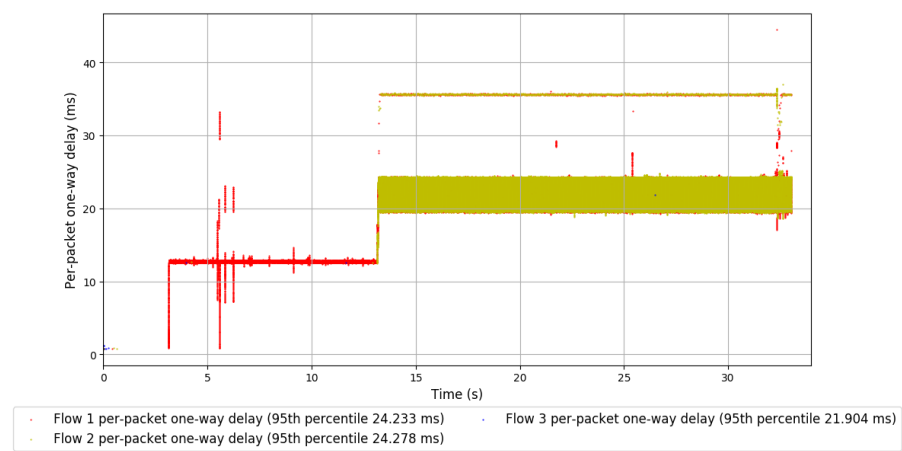
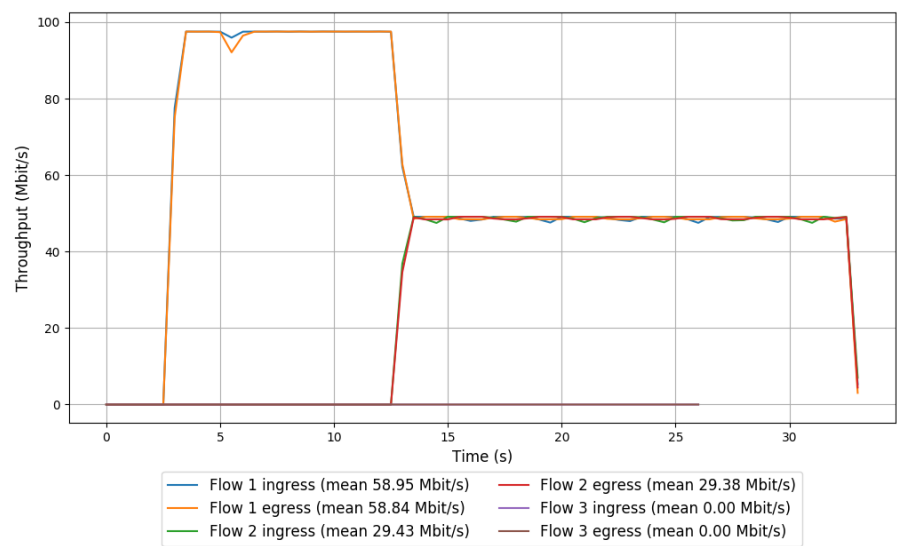
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 21.904 ms

Loss rate: 0.00%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Tue, 04 Jul 2017 21:55:11 +0000

End at: Tue, 04 Jul 2017 21:55:41 +0000

Local clock offset: -0.815 ms

Remote clock offset: -3.022 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.16 Mbit/s

95th percentile per-packet one-way delay: 23.283 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 58.81 Mbit/s

95th percentile per-packet one-way delay: 23.285 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 29.37 Mbit/s

95th percentile per-packet one-way delay: 23.279 ms

Loss rate: 0.25%

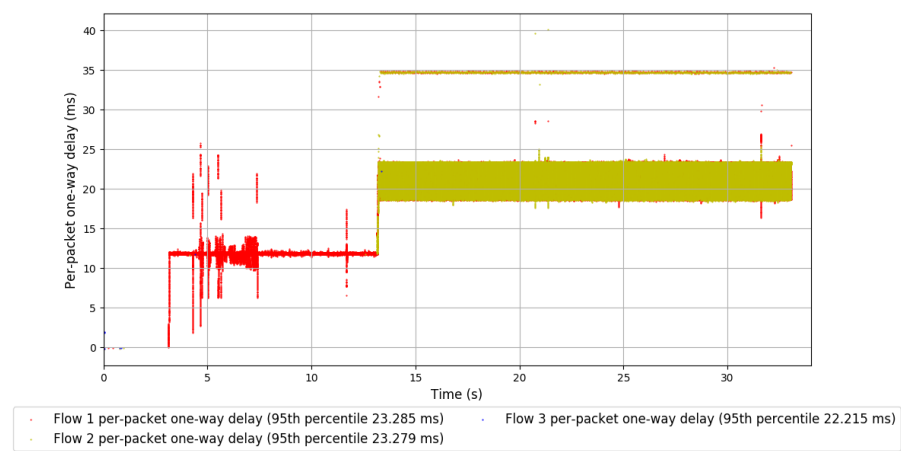
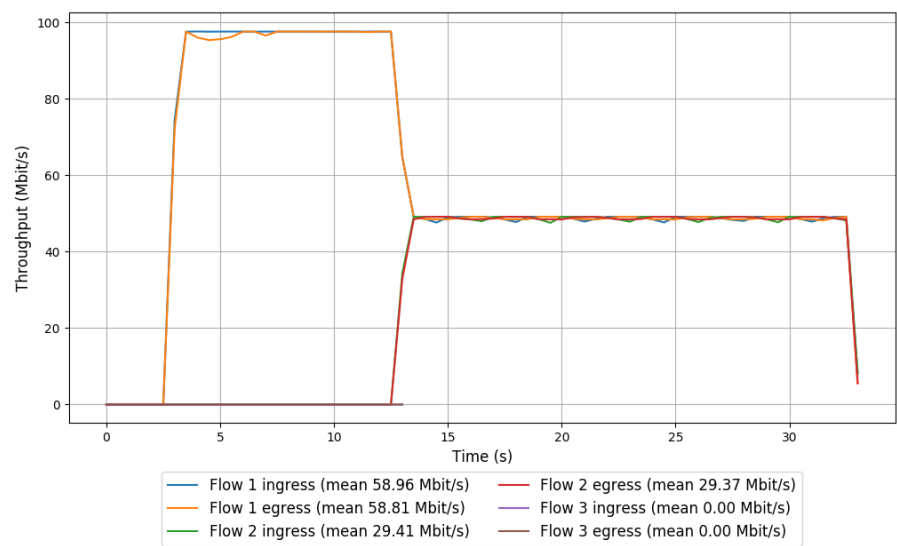
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 22.215 ms

Loss rate: 0.00%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:12:20 +0000

End at: Tue, 04 Jul 2017 22:12:50 +0000

Local clock offset: -0.367 ms

Remote clock offset: -3.674 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.29 Mbit/s

95th percentile per-packet one-way delay: 22.188 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 58.94 Mbit/s

95th percentile per-packet one-way delay: 22.163 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 29.37 Mbit/s

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

Loss rate: 0.25%

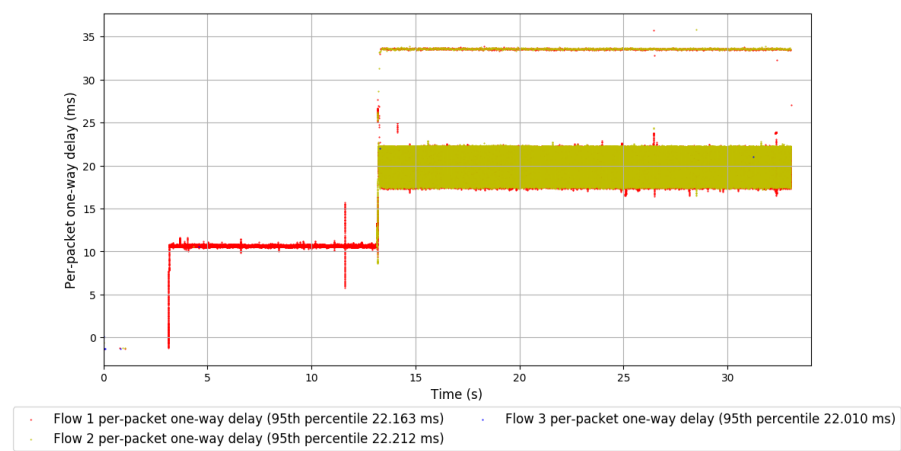
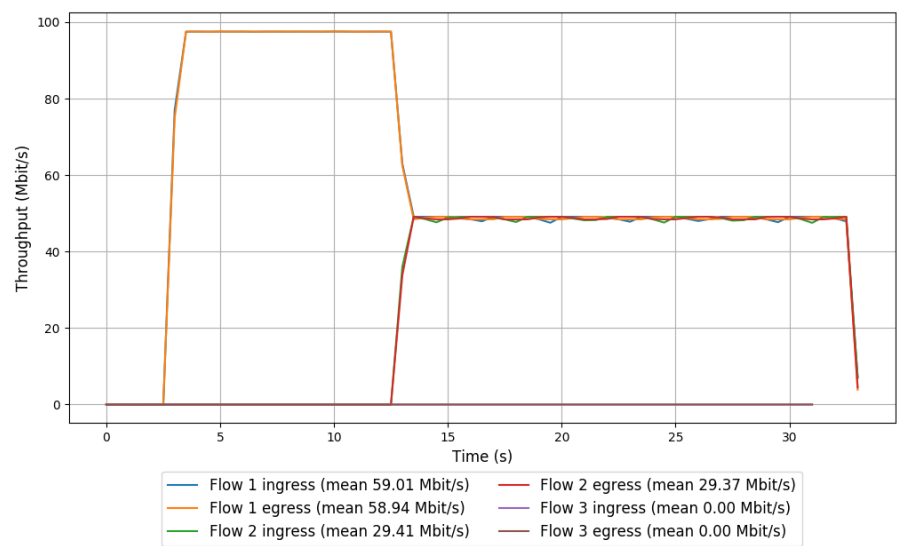
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 22.010 ms

Loss rate: 0.00%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:29:26 +0000

End at: Tue, 04 Jul 2017 22:29:56 +0000

Local clock offset: 0.058 ms

Remote clock offset: -4.078 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.12 Mbit/s

95th percentile per-packet one-way delay: 21.403 ms

Loss rate: 0.39%

-- Flow 1:

Average throughput: 58.79 Mbit/s

95th percentile per-packet one-way delay: 21.394 ms

Loss rate: 0.41%

-- Flow 2:

Average throughput: 29.35 Mbit/s

95th percentile per-packet one-way delay: 21.413 ms

Loss rate: 0.36%

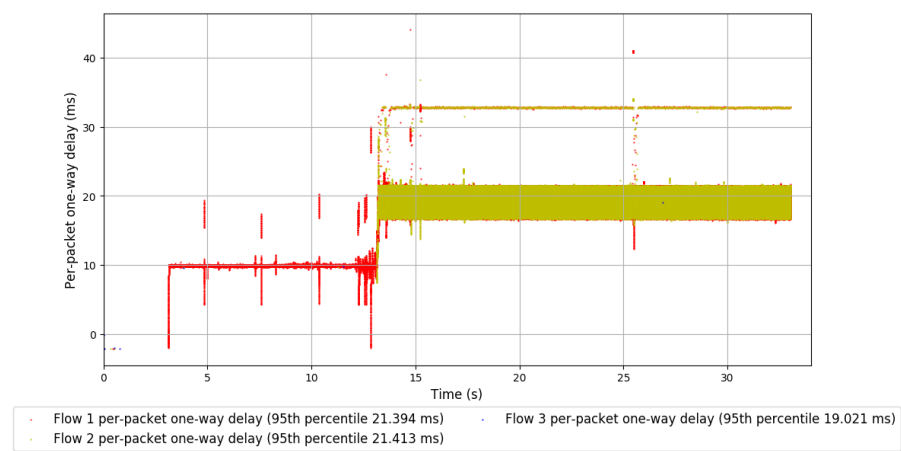
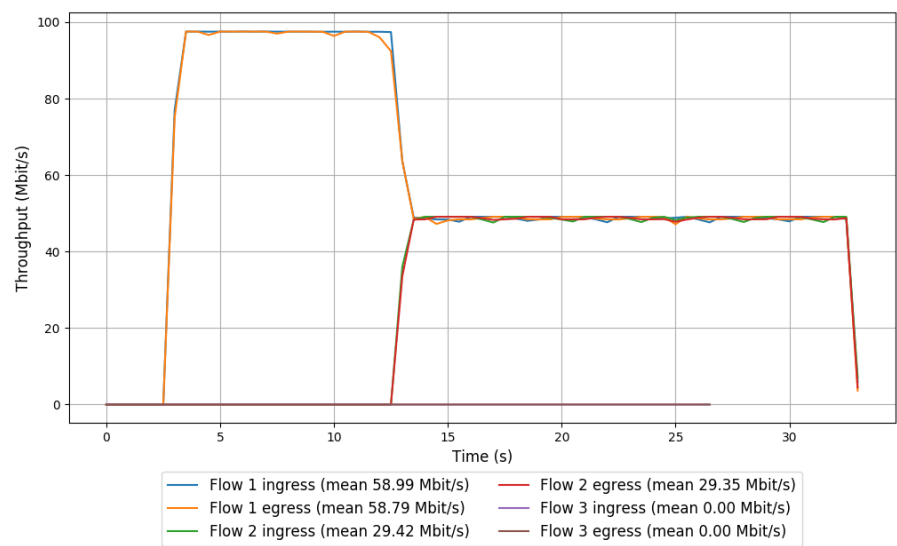
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 19.021 ms

Loss rate: 0.00%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Tue, 04 Jul 2017 22:46:33 +0000

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

Local clock offset: 0.328 ms

Remote clock offset: -4.628 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.27 Mbit/s

95th percentile per-packet one-way delay: 20.604 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 58.92 Mbit/s

95th percentile per-packet one-way delay: 20.591 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 29.36 Mbit/s

95th percentile per-packet one-way delay: 20.618 ms

Loss rate: 0.28%

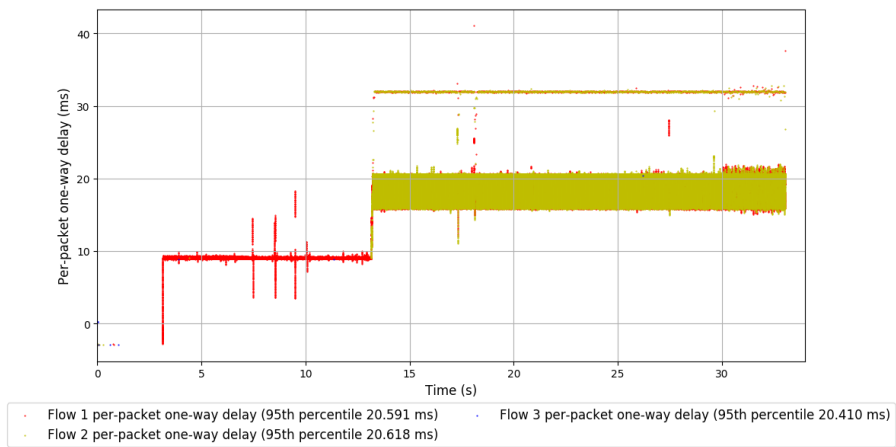
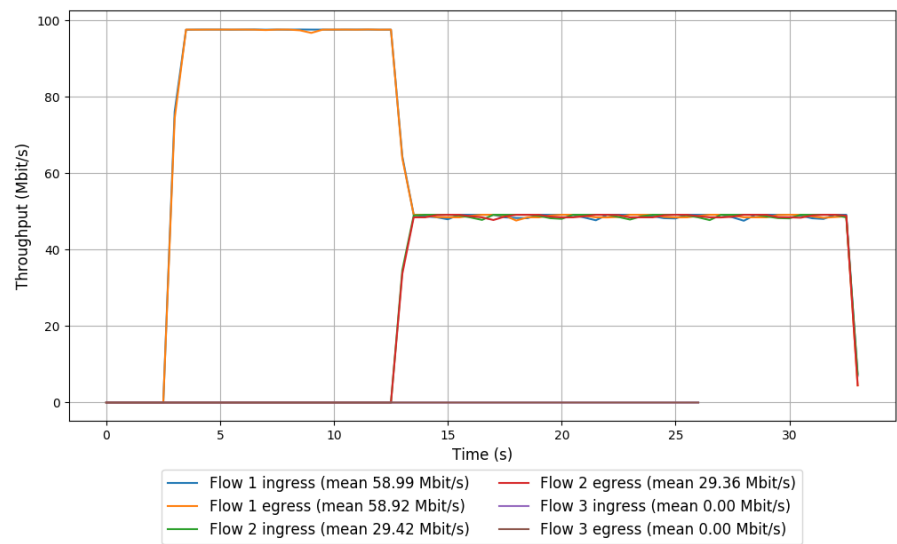
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 20.410 ms

Loss rate: 0.00%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Tue, 04 Jul 2017 23:03:45 +0000

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

Local clock offset: 0.636 ms

Remote clock offset: -4.847 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:24 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.26 Mbit/s

95th percentile per-packet one-way delay: 20.056 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 20.045 ms

Loss rate: 0.22%

-- Flow 2:

Average throughput: 29.37 Mbit/s

95th percentile per-packet one-way delay: 20.070 ms

Loss rate: 0.29%

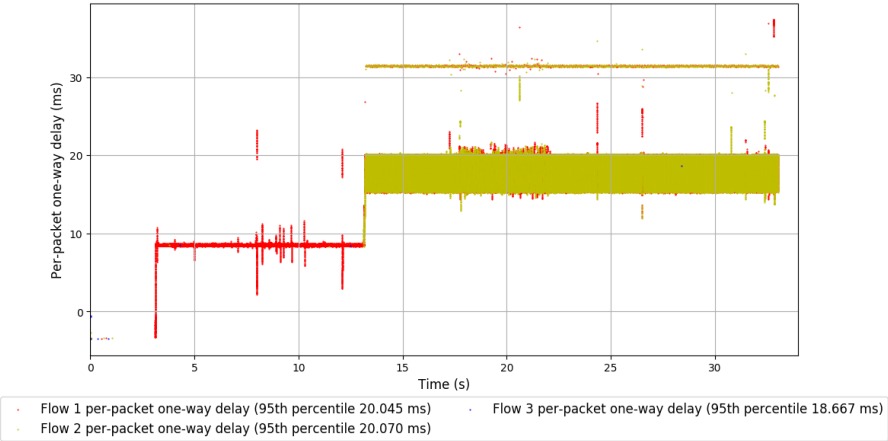
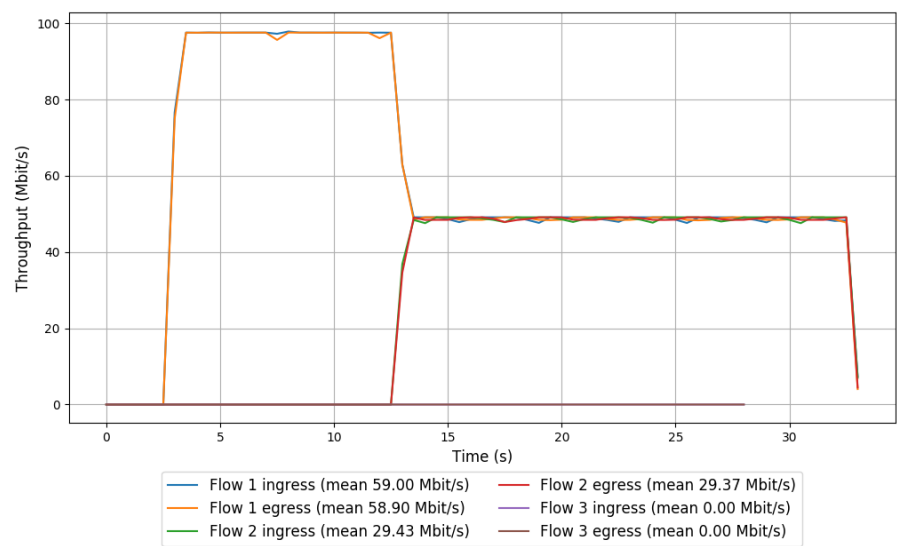
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 18.667 ms

Loss rate: 0.00%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Tue, 04 Jul 2017 23:20:54 +0000

End at: Tue, 04 Jul 2017 23:21:24 +0000

Local clock offset: 0.68 ms

Remote clock offset: -4.535 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:31 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 20.369 ms

Loss rate: 0.25%

-- Flow 1:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 20.343 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 29.34 Mbit/s

95th percentile per-packet one-way delay: 20.393 ms

Loss rate: 0.30%

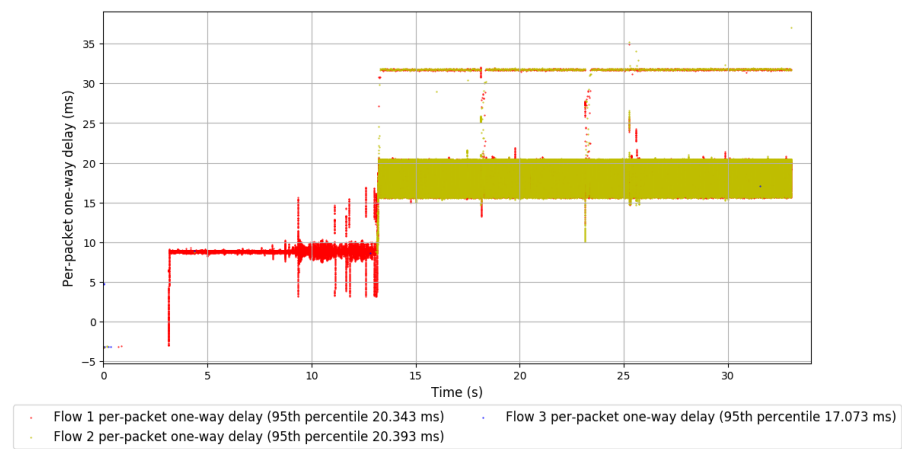
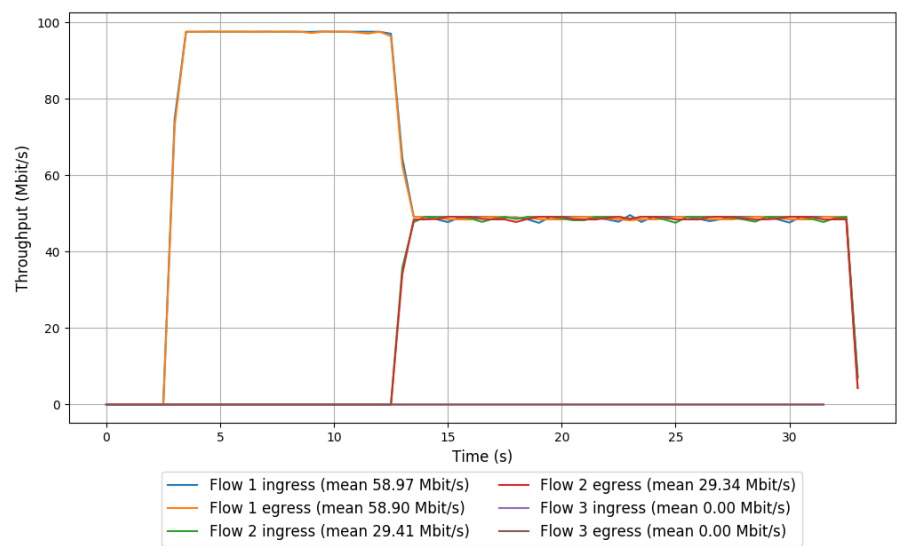
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 17.073 ms

Loss rate: 0.00%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Tue, 04 Jul 2017 23:38:08 +0000

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

Local clock offset: 0.66 ms

Remote clock offset: -3.362 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.26 Mbit/s

95th percentile per-packet one-way delay: 21.552 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 58.96 Mbit/s

95th percentile per-packet one-way delay: 21.541 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 29.34 Mbit/s

95th percentile per-packet one-way delay: 21.568 ms

Loss rate: 0.30%

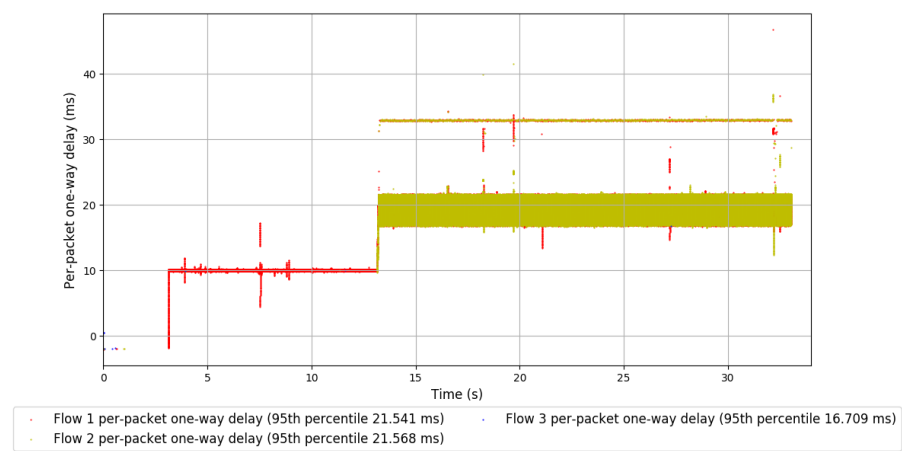
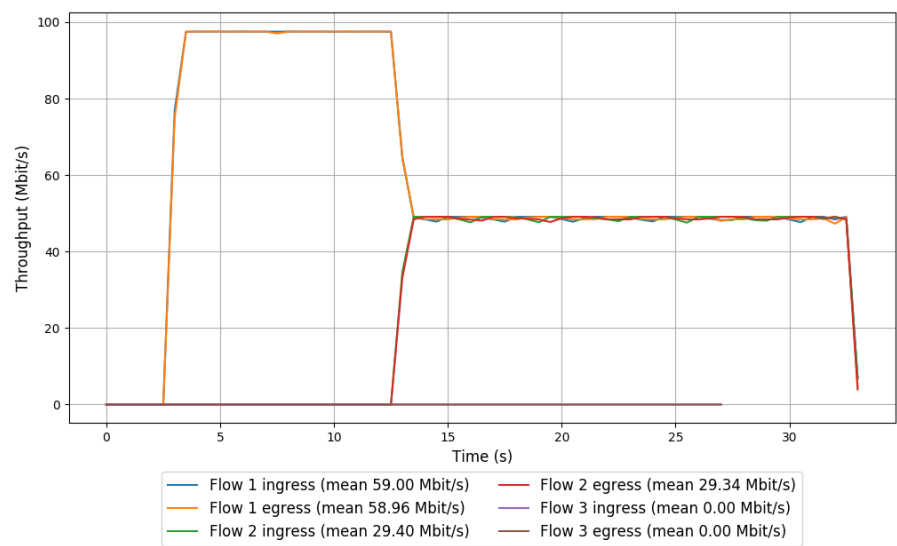
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 16.709 ms

Loss rate: 0.00%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

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

End at: Tue, 04 Jul 2017 23:55:52 +0000

Local clock offset: 0.458 ms

Remote clock offset: -2.142 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.26 Mbit/s

95th percentile per-packet one-way delay: 22.989 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 22.991 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 29.37 Mbit/s

95th percentile per-packet one-way delay: 22.985 ms

Loss rate: 0.25%

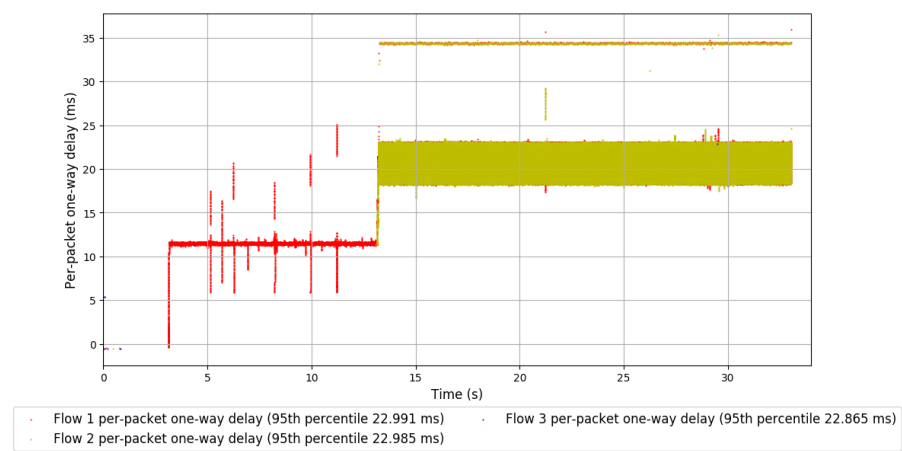
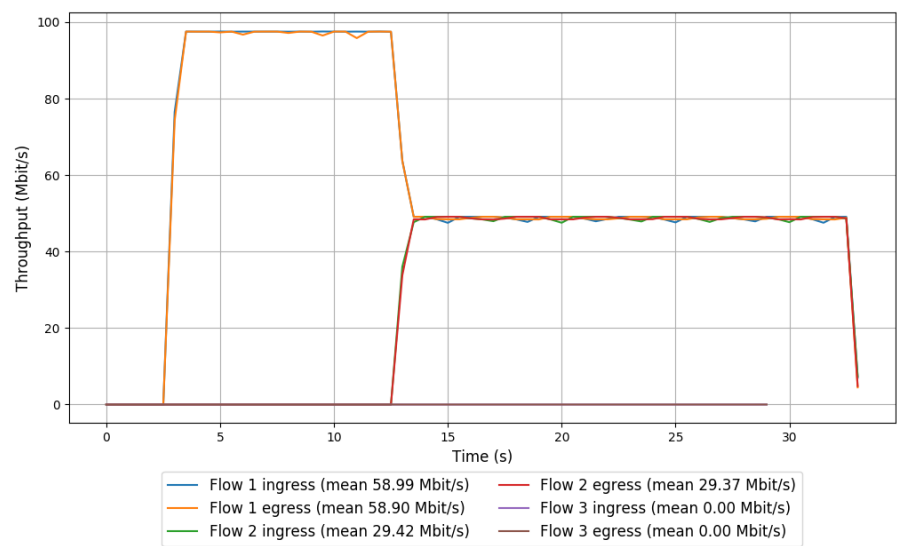
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 22.865 ms

Loss rate: 0.00%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Wed, 05 Jul 2017 00:12:28 +0000

End at: Wed, 05 Jul 2017 00:12:58 +0000

Local clock offset: 0.25 ms

Remote clock offset: -0.766 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.33 Mbit/s

95th percentile per-packet one-way delay: 24.661 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 59.00 Mbit/s

95th percentile per-packet one-way delay: 24.662 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 29.35 Mbit/s

95th percentile per-packet one-way delay: 24.659 ms

Loss rate: 0.25%

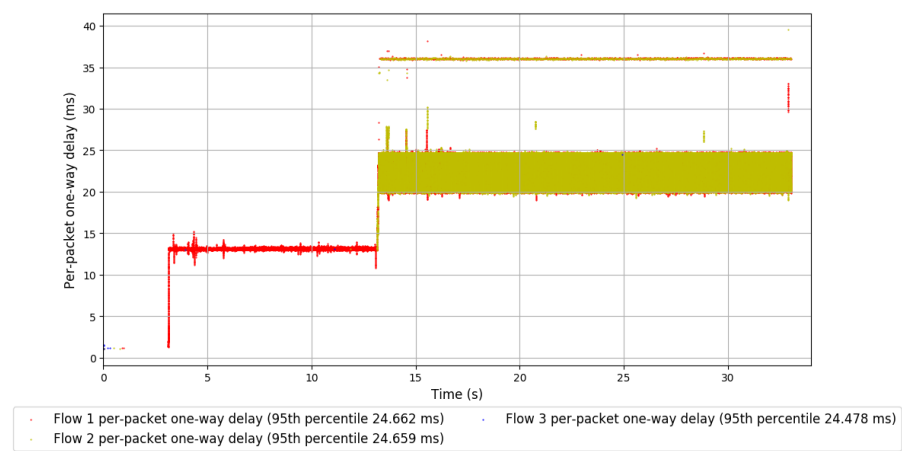
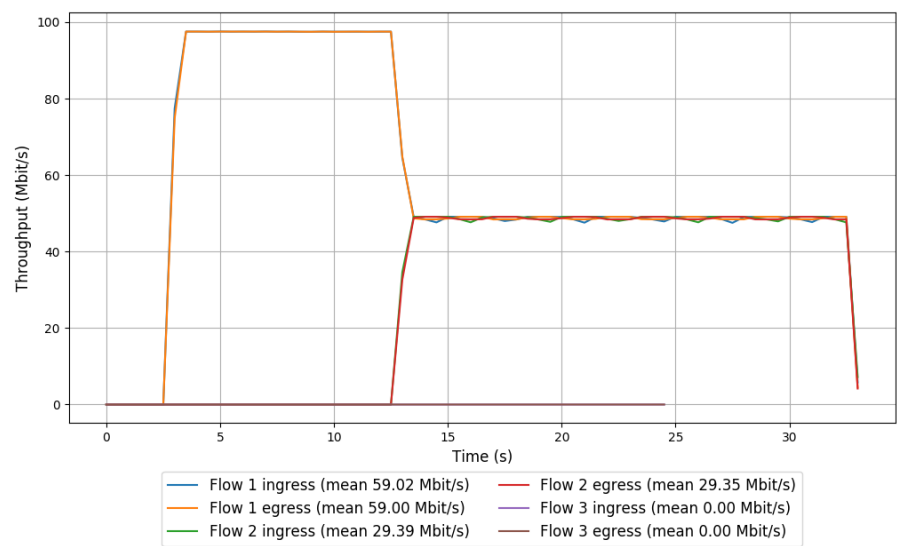
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 24.478 ms

Loss rate: 0.00%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 21:44:55 +0000

End at: Tue, 04 Jul 2017 21:45:25 +0000

Local clock offset: -1.115 ms

Remote clock offset: -2.736 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 0.545 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.557 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 0.505 ms

Loss rate: 0.00%

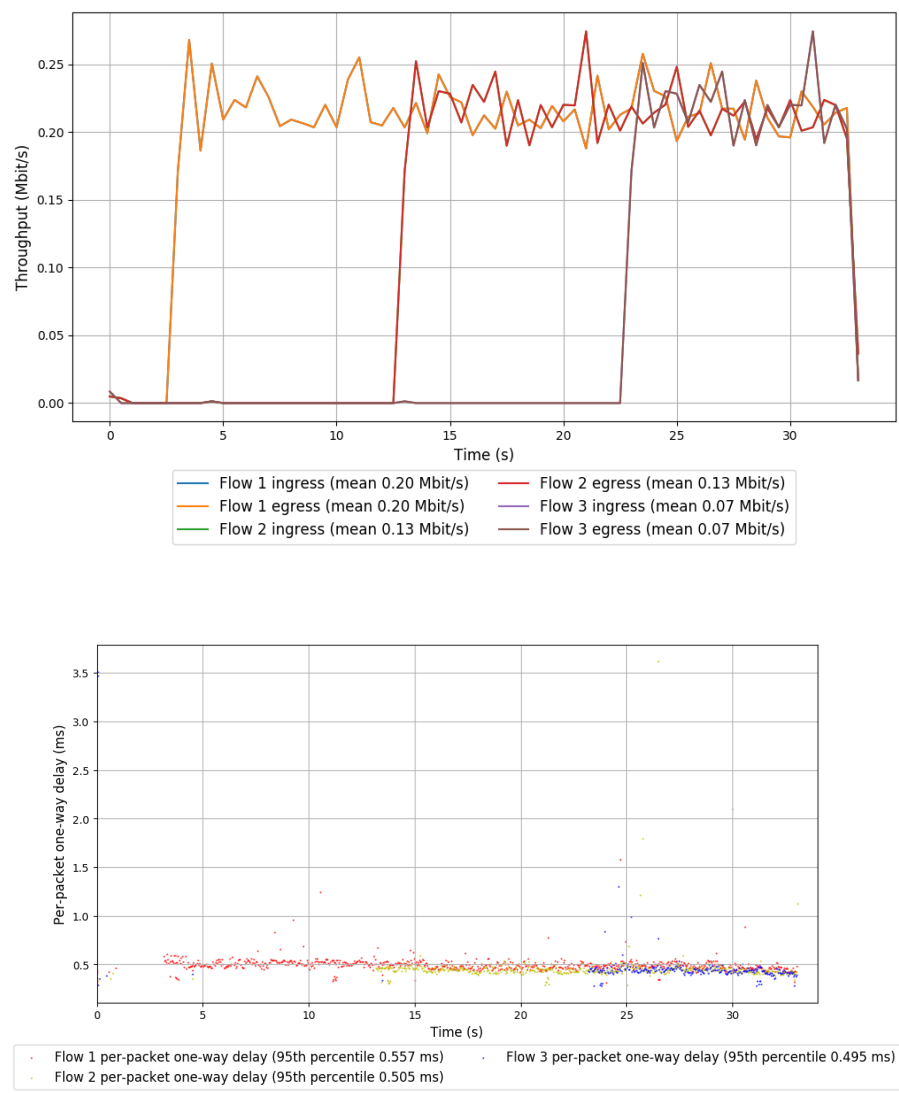
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 0.495 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 22:02:03 +0000

End at: Tue, 04 Jul 2017 22:02:33 +0000

Local clock offset: -0.637 ms

Remote clock offset: -3.451 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -0.567 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.556 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -0.603 ms

Loss rate: 0.00%

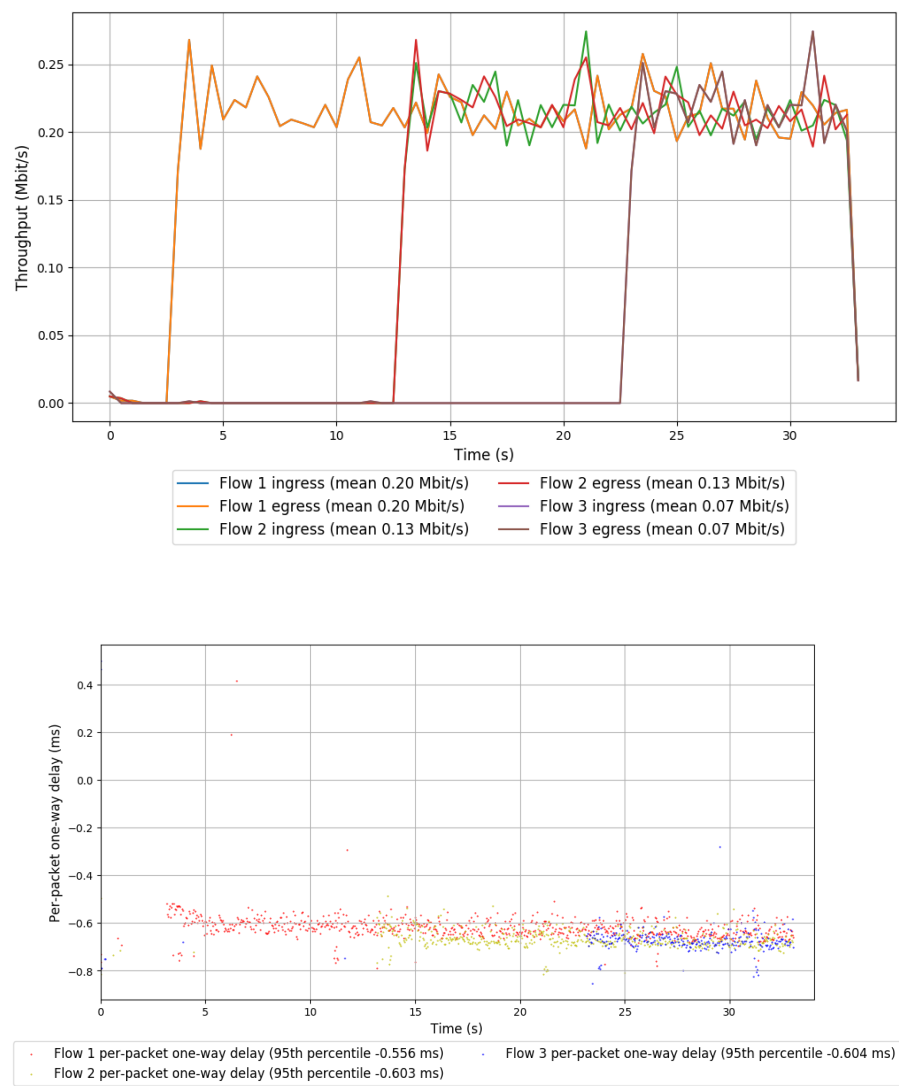
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -0.604 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 22:19:09 +0000

End at: Tue, 04 Jul 2017 22:19:40 +0000

Local clock offset: -0.218 ms

Remote clock offset: -3.872 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -1.433 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -1.423 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -1.474 ms

Loss rate: 0.00%

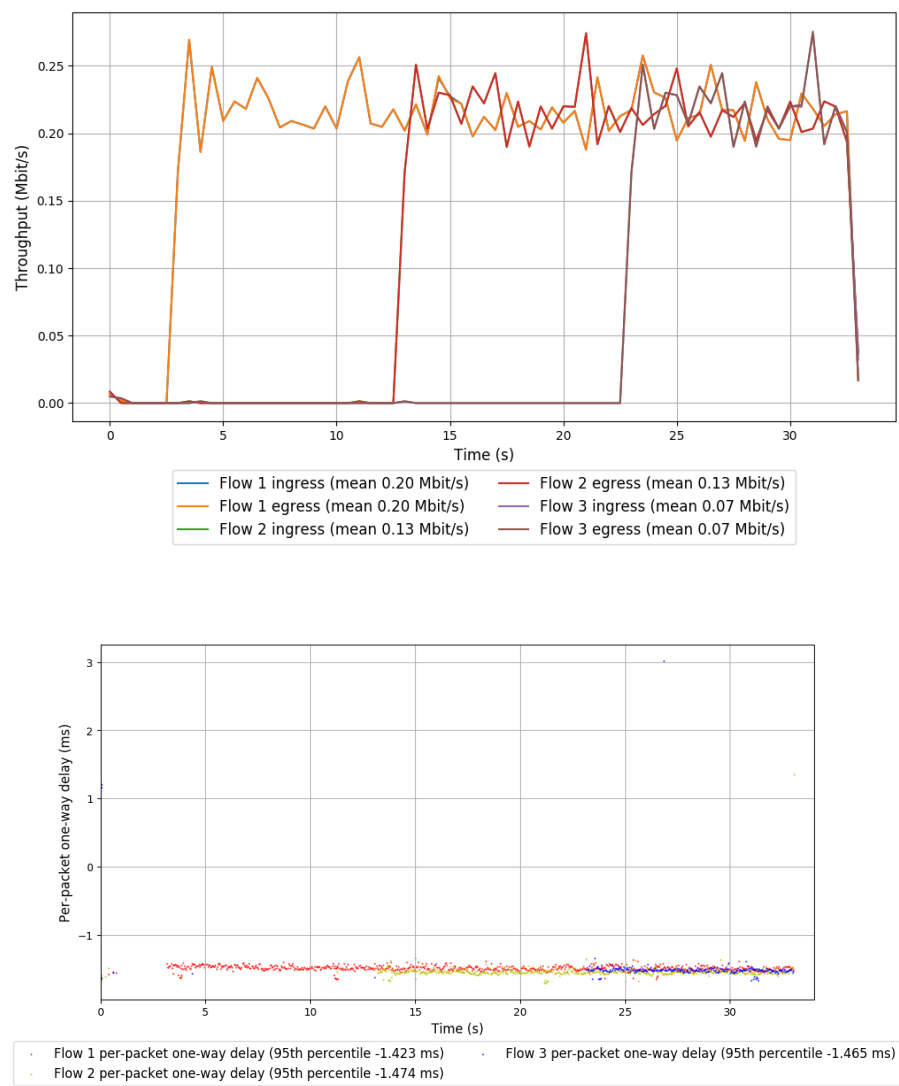
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -1.465 ms

Loss rate: 0.35%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 22:36:18 +0000

End at: Tue, 04 Jul 2017 22:36:48 +0000

Local clock offset: 0.203 ms

Remote clock offset: -4.322 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -2.330 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -2.319 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -2.358 ms

Loss rate: 0.00%

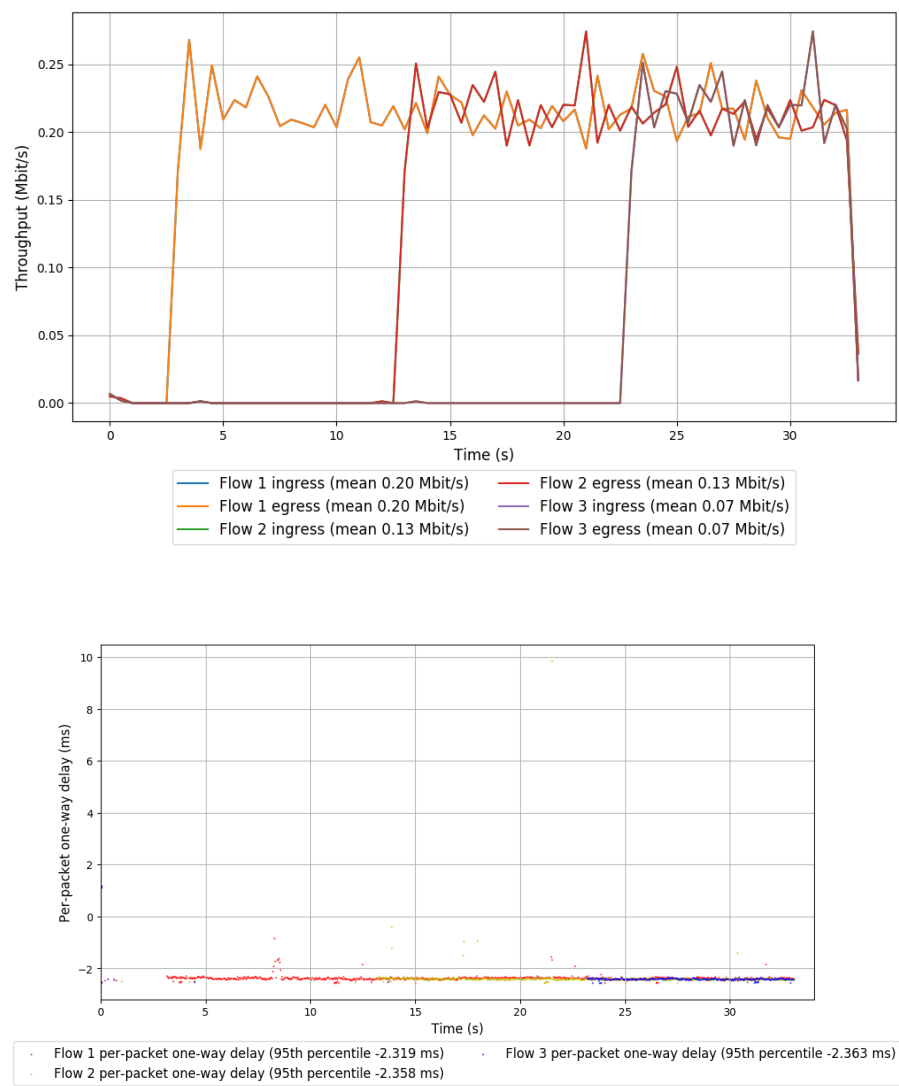
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -2.363 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 22:53:32 +0000

End at: Tue, 04 Jul 2017 22:54:02 +0000

Local clock offset: 0.444 ms

Remote clock offset: -4.827 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -3.097 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -3.101 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -3.087 ms

Loss rate: 0.20%

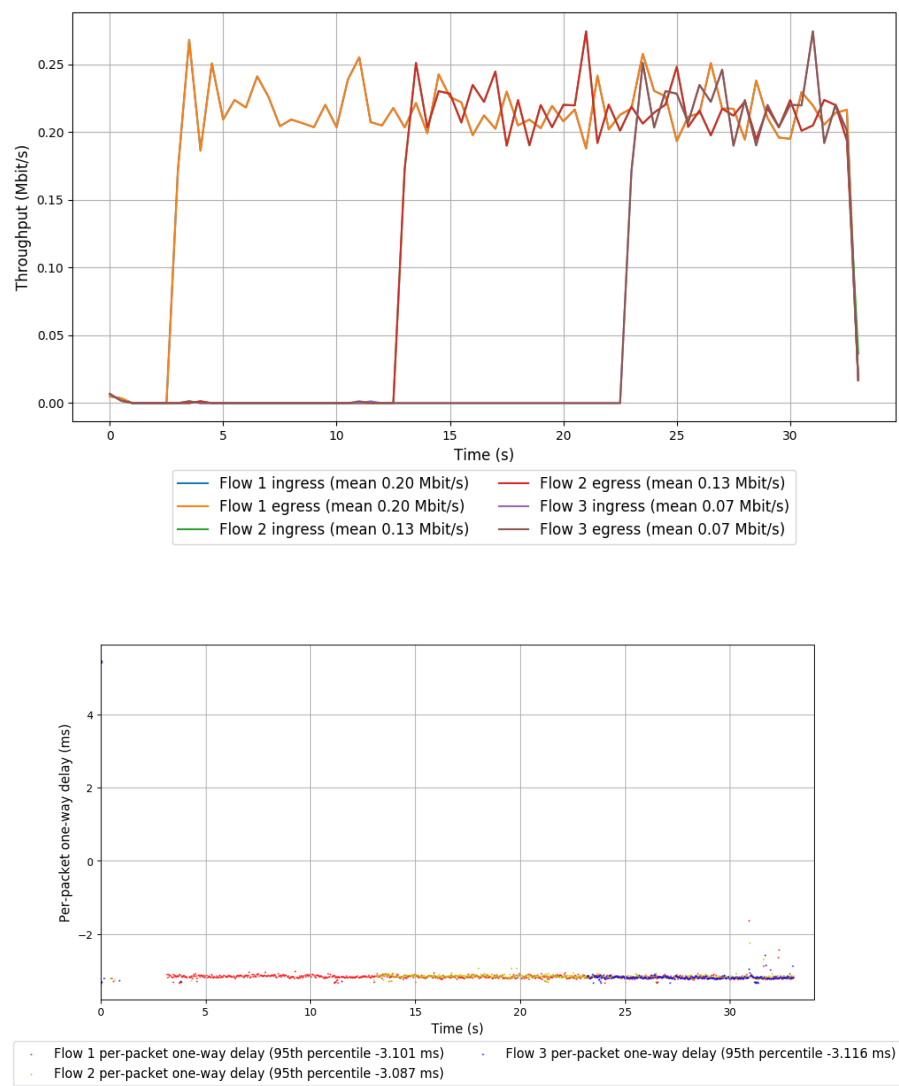
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -3.116 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:10:37 +0000

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

Local clock offset: 0.745 ms

Remote clock offset: -4.821 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -3.315 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -3.312 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -3.341 ms

Loss rate: 0.00%

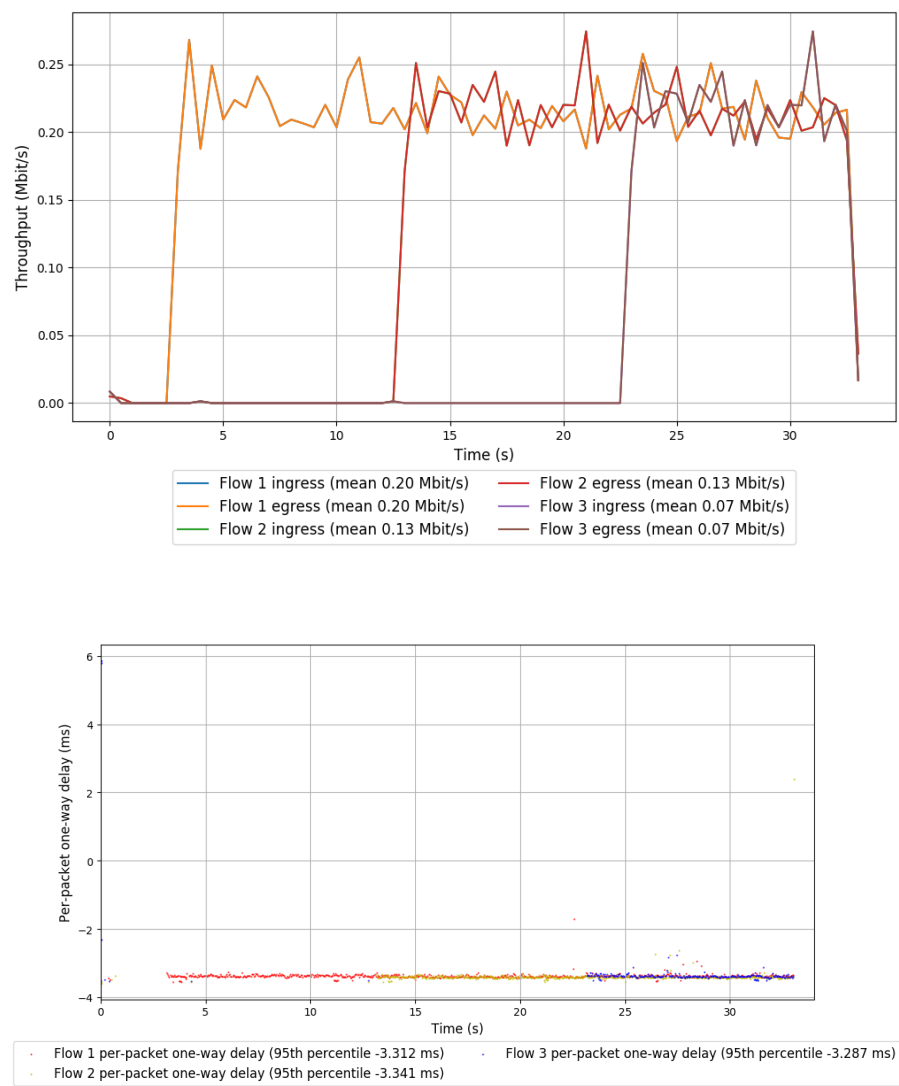
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -3.287 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

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

End at: Tue, 04 Jul 2017 23:28:22 +0000

Local clock offset: 0.671 ms

Remote clock offset: -4.089 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -2.545 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -2.559 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -2.540 ms

Loss rate: 0.00%

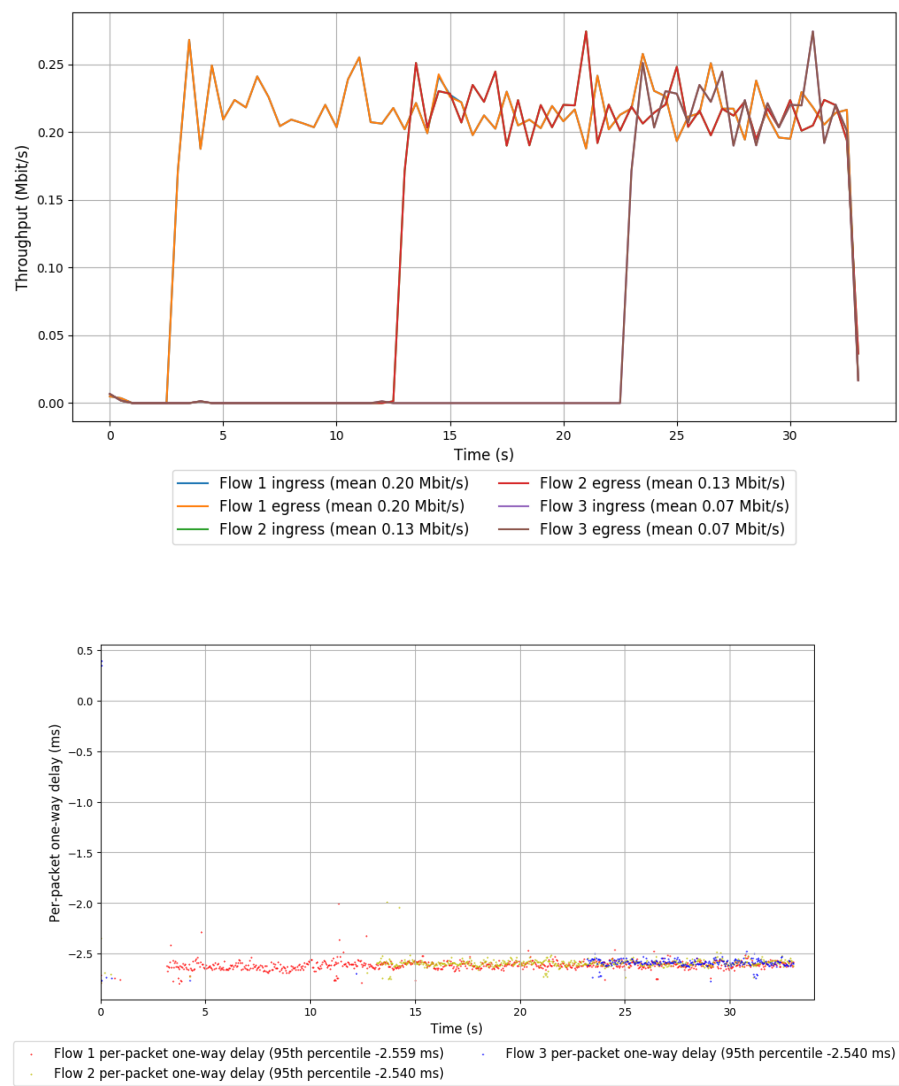
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -2.540 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 23:45:06 +0000

End at: Tue, 04 Jul 2017 23:45:36 +0000

Local clock offset: 0.626 ms

Remote clock offset: -2.872 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: -1.187 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -1.181 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: -1.201 ms

Loss rate: 0.00%

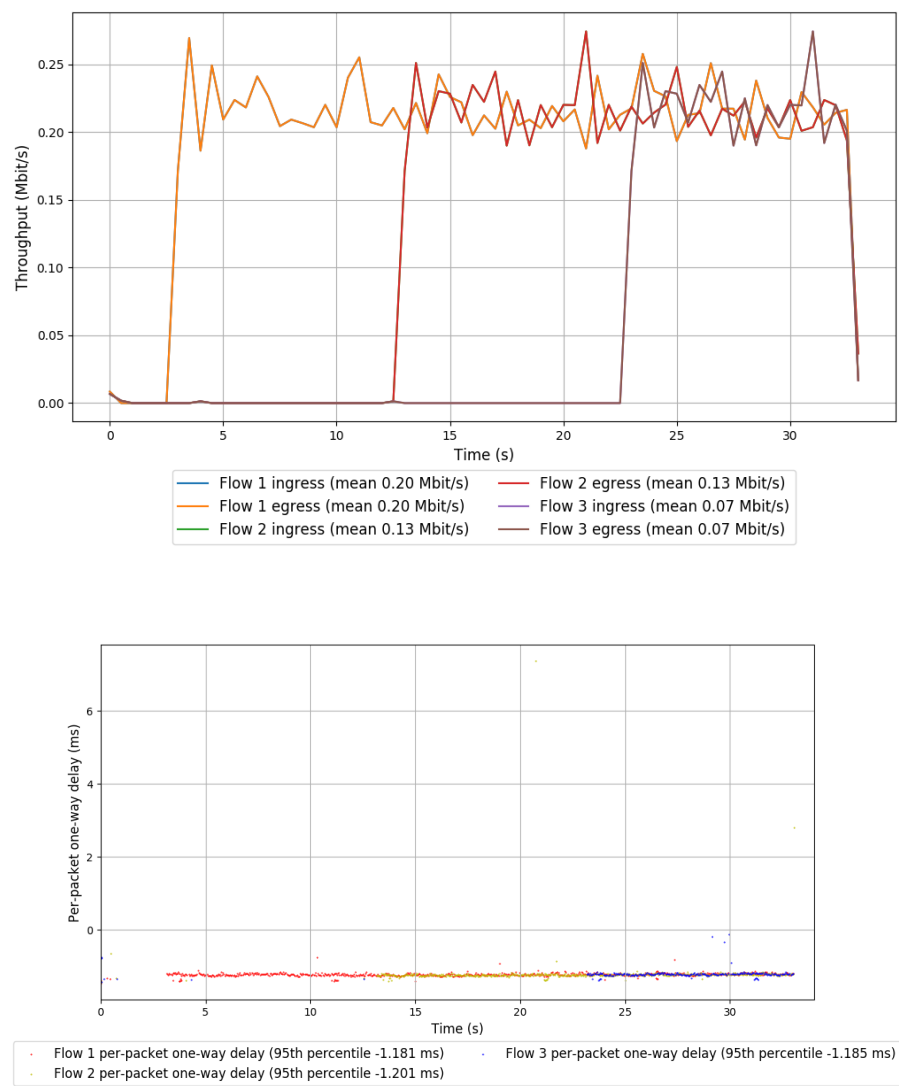
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: -1.185 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 00:02:14 +0000

End at: Wed, 05 Jul 2017 00:02:44 +0000

Local clock offset: 0.369 ms

Remote clock offset: -1.801 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 0.099 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.086 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 0.111 ms

Loss rate: 0.00%

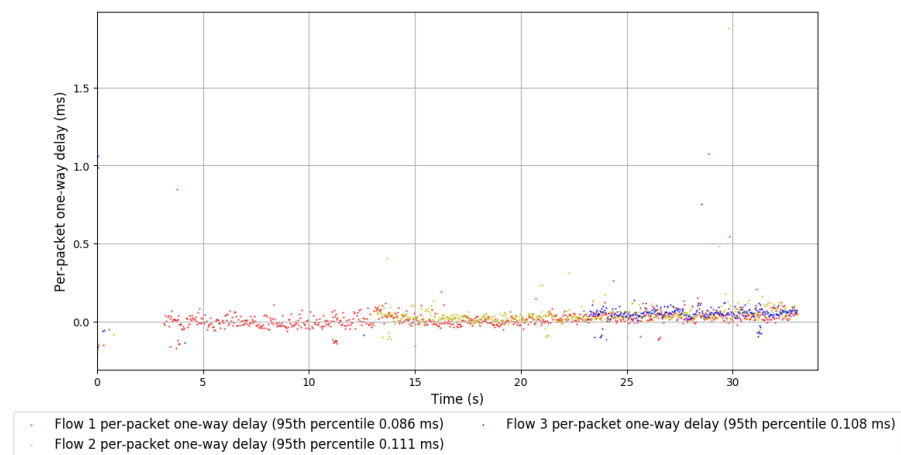
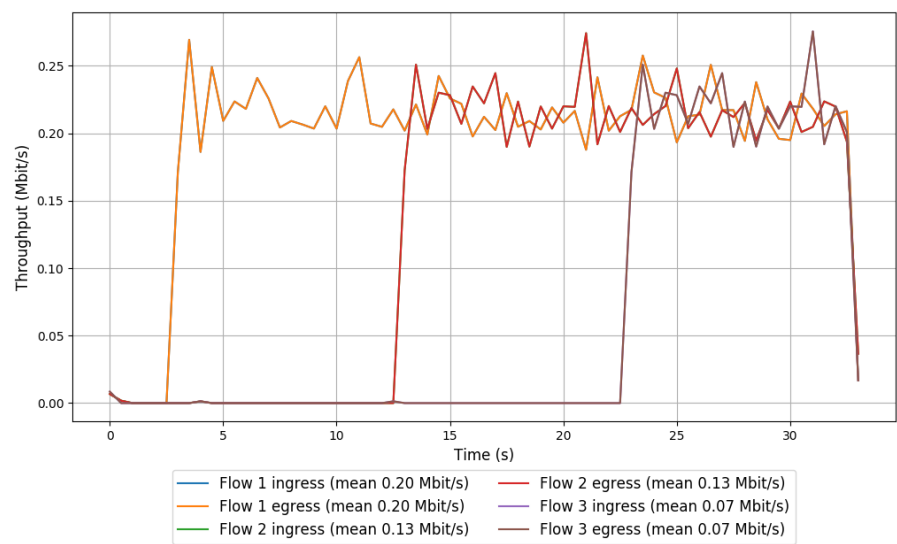
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 0.108 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 00:19:23 +0000

End at: Wed, 05 Jul 2017 00:19:53 +0000

Local clock offset: 0.186 ms

Remote clock offset: 0.025 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:34:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 2.095 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 2.080 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 2.085 ms

Loss rate: 0.20%

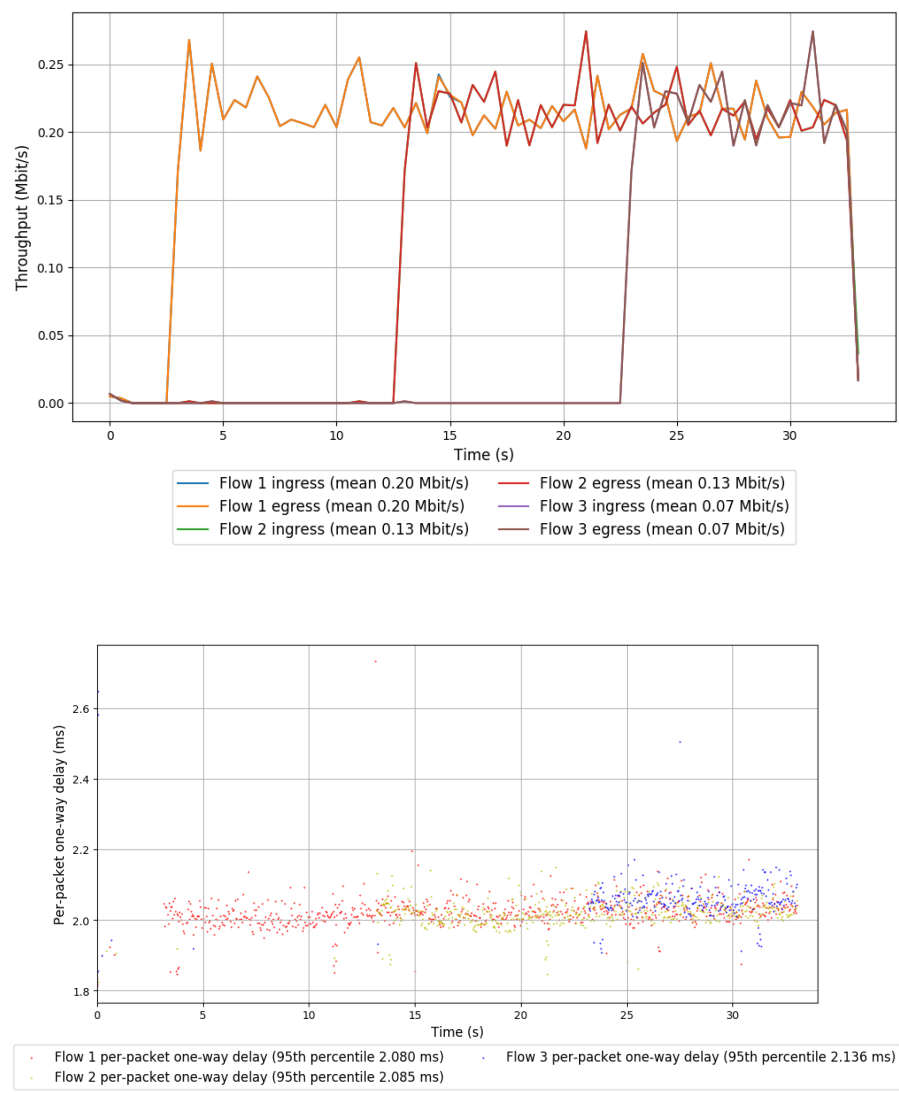
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 2.136 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Tue, 04 Jul 2017 21:29:45 +0000

End at: Tue, 04 Jul 2017 21:30:15 +0000

Local clock offset: -1.449 ms

Remote clock offset: -2.095 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.38 Mbit/s

95th percentile per-packet one-way delay: 19.138 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 38.53 Mbit/s

95th percentile per-packet one-way delay: 18.353 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 23.31 Mbit/s

95th percentile per-packet one-way delay: 18.654 ms

Loss rate: 0.24%

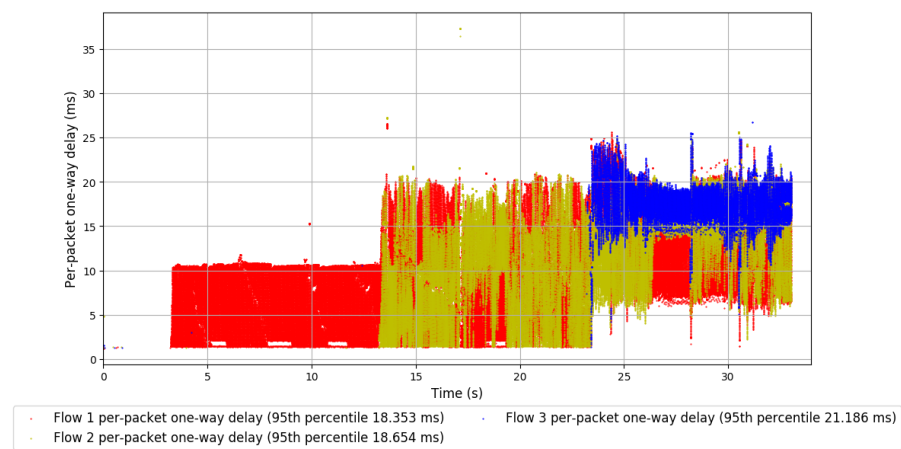
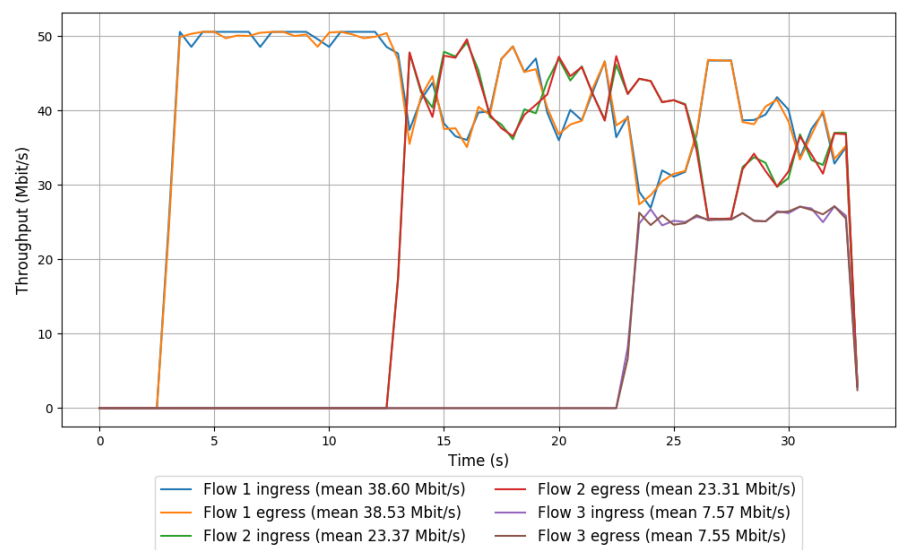
-- Flow 3:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 21.186 ms

Loss rate: 0.27%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Tue, 04 Jul 2017 21:47:12 +0000

End at: Tue, 04 Jul 2017 21:47:42 +0000

Local clock offset: -1.012 ms

Remote clock offset: -2.799 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.77 Mbit/s

95th percentile per-packet one-way delay: 18.263 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 35.57 Mbit/s

95th percentile per-packet one-way delay: 18.320 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 23.42 Mbit/s

95th percentile per-packet one-way delay: 18.108 ms

Loss rate: 0.18%

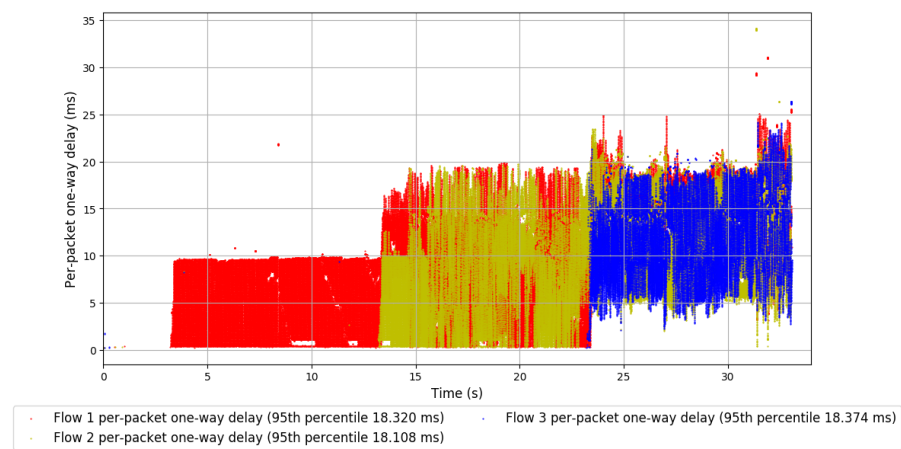
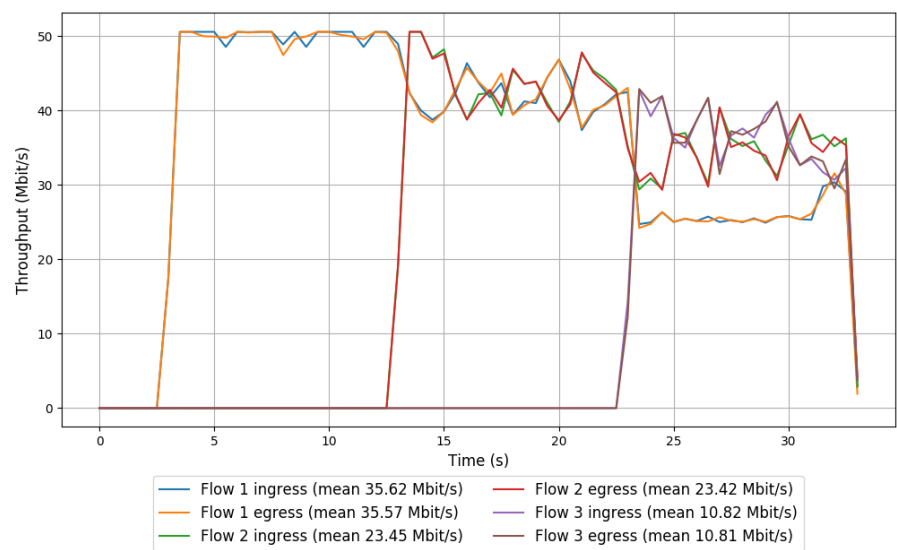
-- Flow 3:

Average throughput: 10.81 Mbit/s

95th percentile per-packet one-way delay: 18.374 ms

Loss rate: 0.05%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

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

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

Local clock offset: -0.556 ms

Remote clock offset: -3.453 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.80 Mbit/s

95th percentile per-packet one-way delay: 17.580 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 36.68 Mbit/s

95th percentile per-packet one-way delay: 17.285 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 21.31 Mbit/s

95th percentile per-packet one-way delay: 18.396 ms

Loss rate: 0.08%

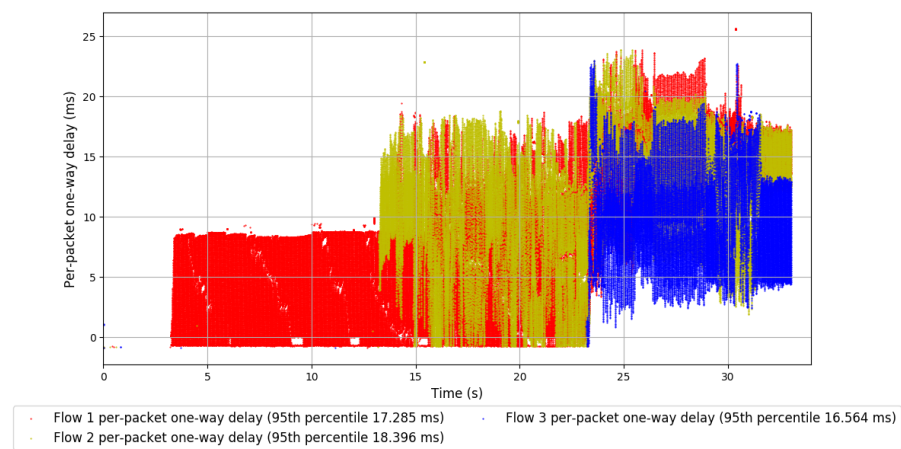
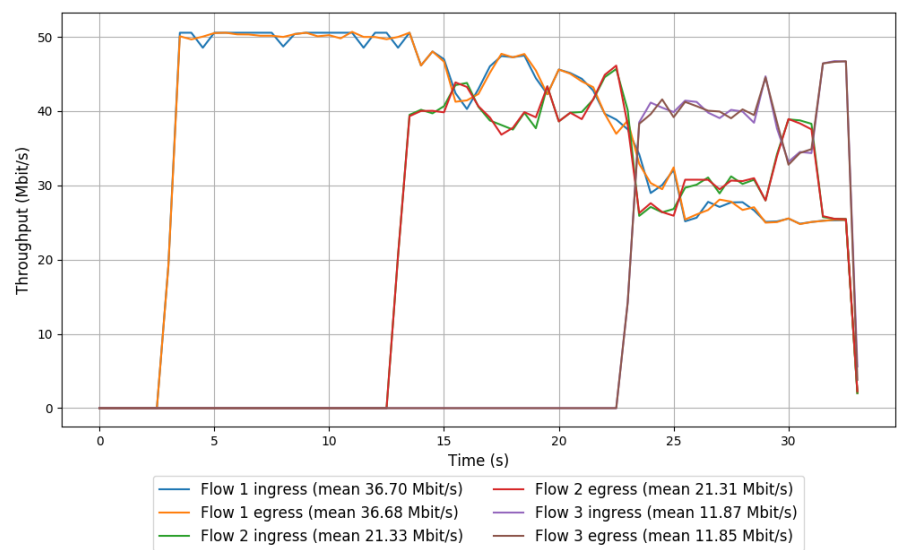
-- Flow 3:

Average throughput: 11.85 Mbit/s

95th percentile per-packet one-way delay: 16.564 ms

Loss rate: 0.24%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Tue, 04 Jul 2017 22:21:26 +0000

End at: Tue, 04 Jul 2017 22:21:56 +0000

Local clock offset: -0.165 ms

Remote clock offset: -3.898 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.78 Mbit/s

95th percentile per-packet one-way delay: 18.632 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 37.03 Mbit/s

95th percentile per-packet one-way delay: 17.994 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 23.33 Mbit/s

95th percentile per-packet one-way delay: 18.301 ms

Loss rate: 0.15%

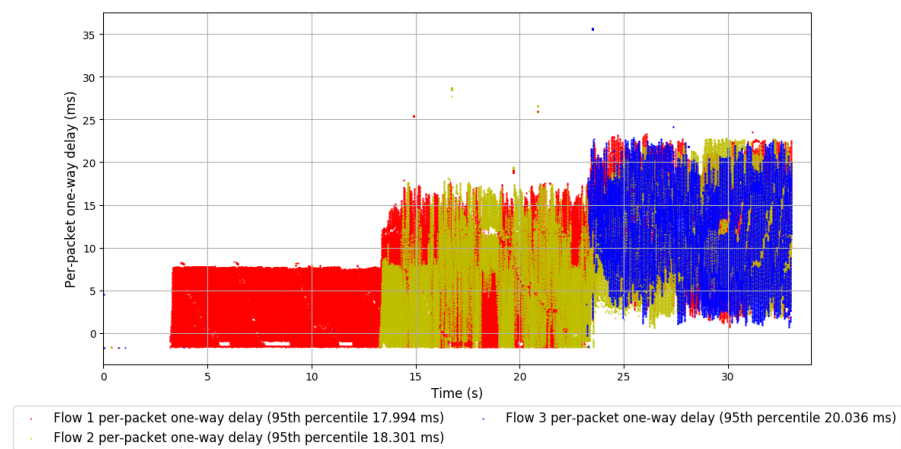
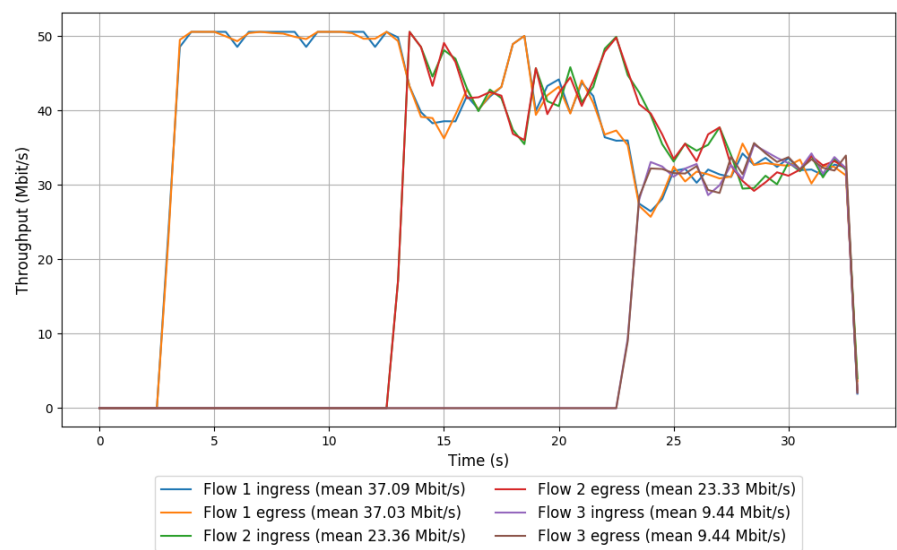
-- Flow 3:

Average throughput: 9.44 Mbit/s

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

Loss rate: 0.01%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

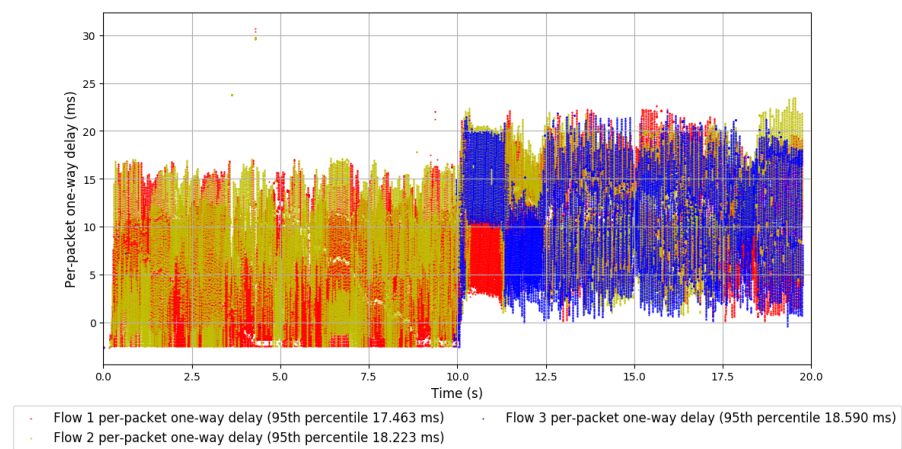
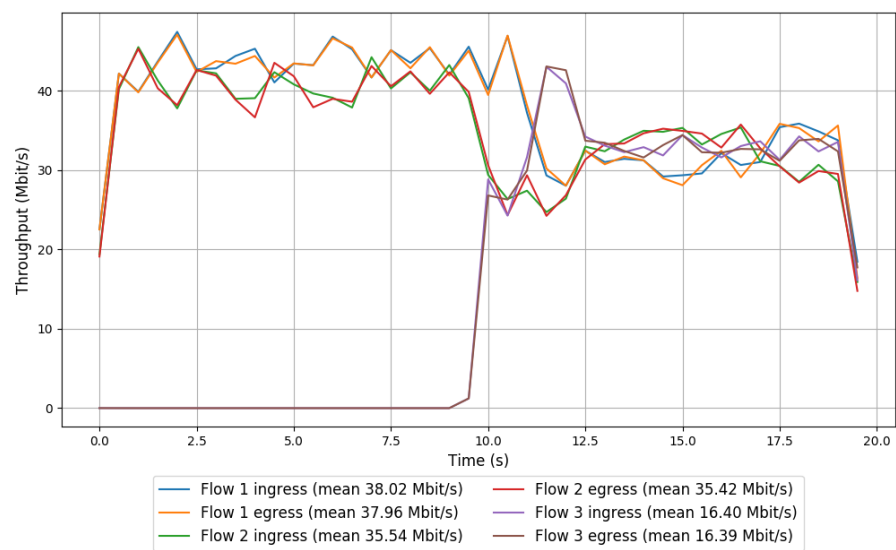
Start at: Tue, 04 Jul 2017 22:38:34 +0000

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

Local clock offset: 0.21 ms

Remote clock offset: -4.396 ms

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

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

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

Local clock offset: 0.43 ms

Remote clock offset: -4.863 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 76.79 Mbit/s

95th percentile per-packet one-way delay: 16.115 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 41.25 Mbit/s

95th percentile per-packet one-way delay: 14.501 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 25.86 Mbit/s

95th percentile per-packet one-way delay: 16.945 ms

Loss rate: 0.09%

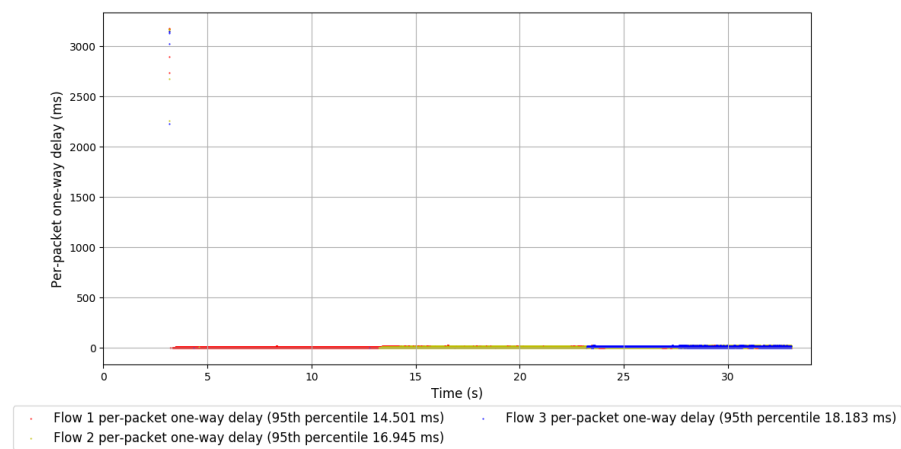
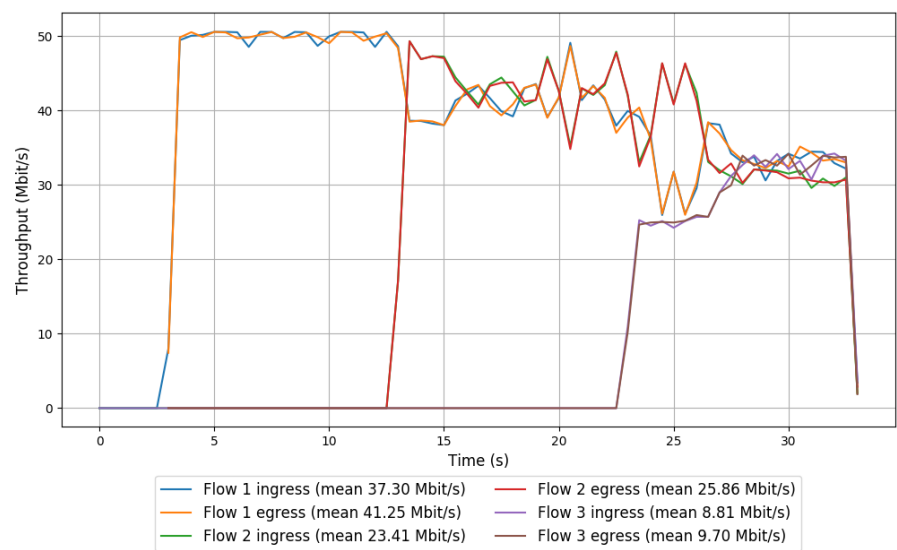
-- Flow 3:

Average throughput: 9.70 Mbit/s

95th percentile per-packet one-way delay: 18.183 ms

Loss rate: 0.34%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:12:53 +0000

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

Local clock offset: 0.705 ms

Remote clock offset: -4.776 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.45 Mbit/s

95th percentile per-packet one-way delay: 15.447 ms

Loss rate: 0.16%

-- Flow 1:

Average throughput: 38.32 Mbit/s

95th percentile per-packet one-way delay: 14.157 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 22.54 Mbit/s

95th percentile per-packet one-way delay: 15.635 ms

Loss rate: 0.19%

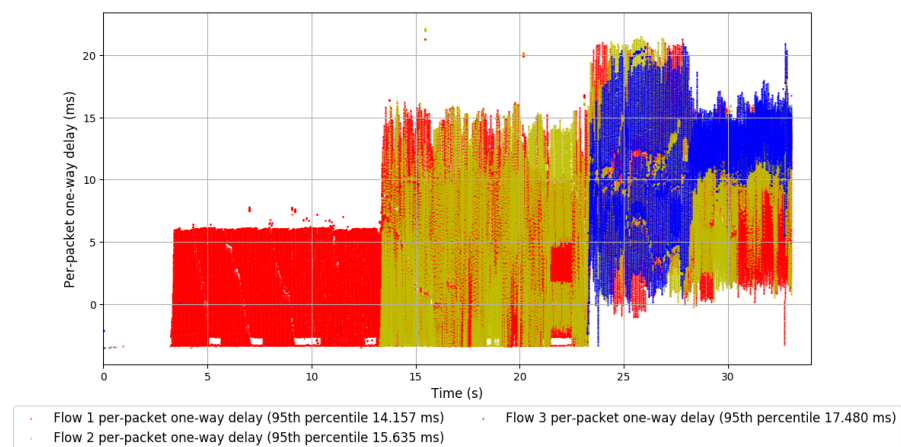
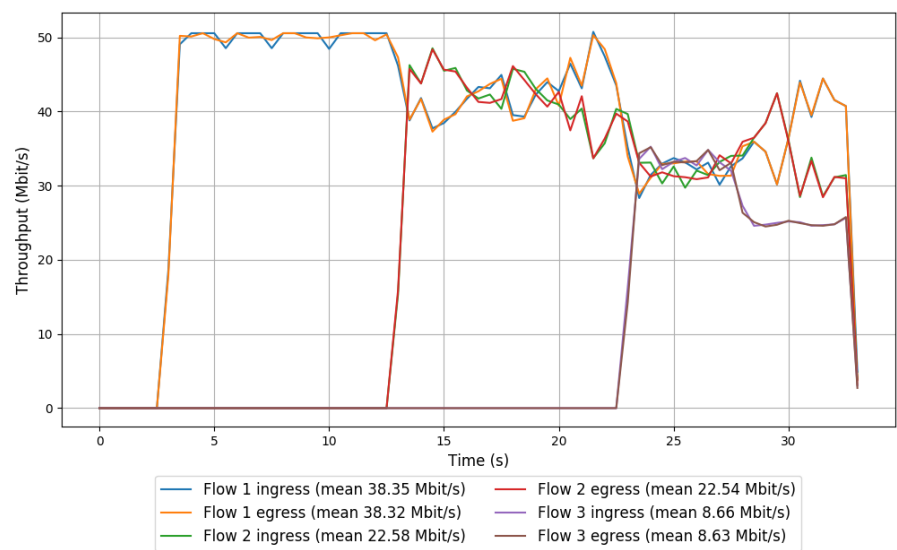
-- Flow 3:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 17.480 ms

Loss rate: 0.35%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:30:08 +0000

End at: Tue, 04 Jul 2017 23:30:38 +0000

Local clock offset: 0.663 ms

Remote clock offset: -4.038 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.62 Mbit/s

95th percentile per-packet one-way delay: 15.868 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 38.10 Mbit/s

95th percentile per-packet one-way delay: 14.967 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 23.48 Mbit/s

95th percentile per-packet one-way delay: 15.312 ms

Loss rate: 0.09%

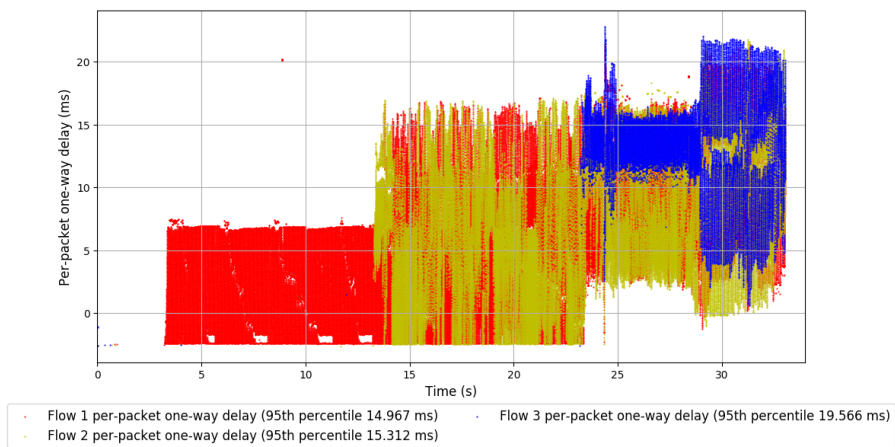
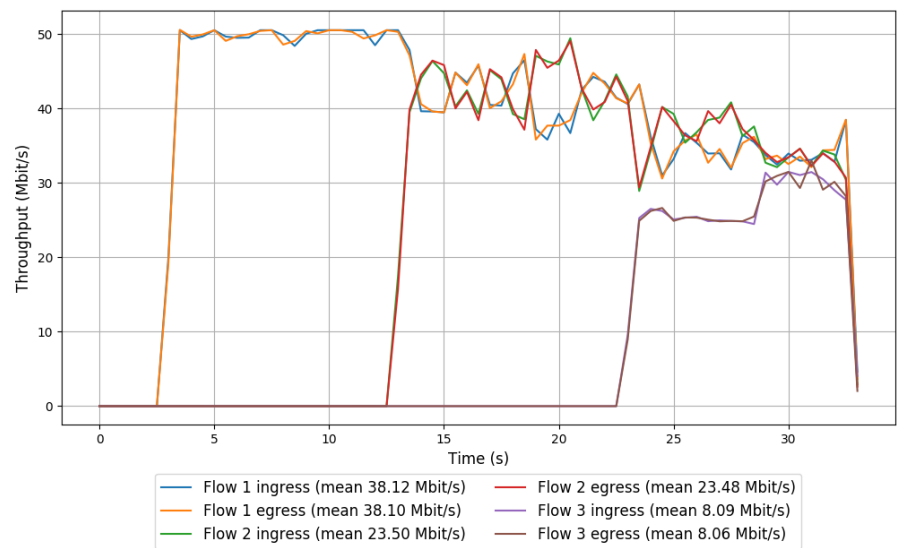
-- Flow 3:

Average throughput: 8.06 Mbit/s

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

Loss rate: 0.38%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Tue, 04 Jul 2017 23:47:22 +0000

End at: Tue, 04 Jul 2017 23:47:52 +0000

Local clock offset: 0.536 ms

Remote clock offset: -2.656 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.54 Mbit/s

95th percentile per-packet one-way delay: 16.263 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 37.37 Mbit/s

95th percentile per-packet one-way delay: 15.816 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 24.76 Mbit/s

95th percentile per-packet one-way delay: 15.736 ms

Loss rate: 0.11%

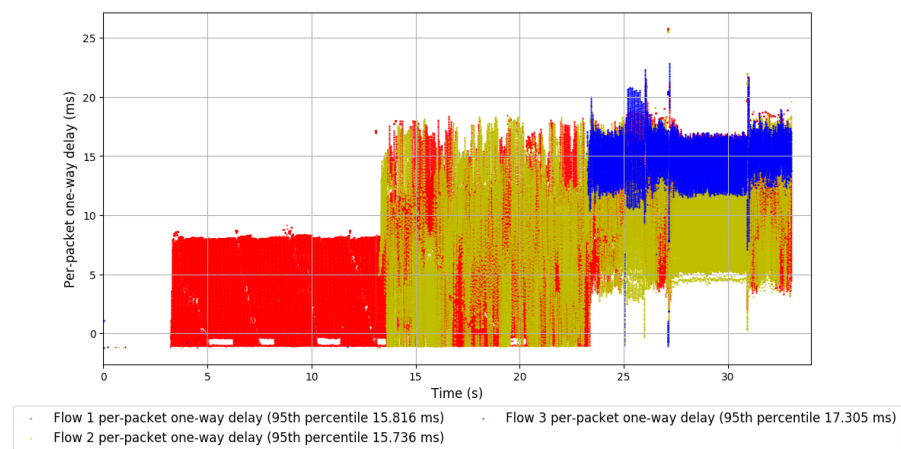
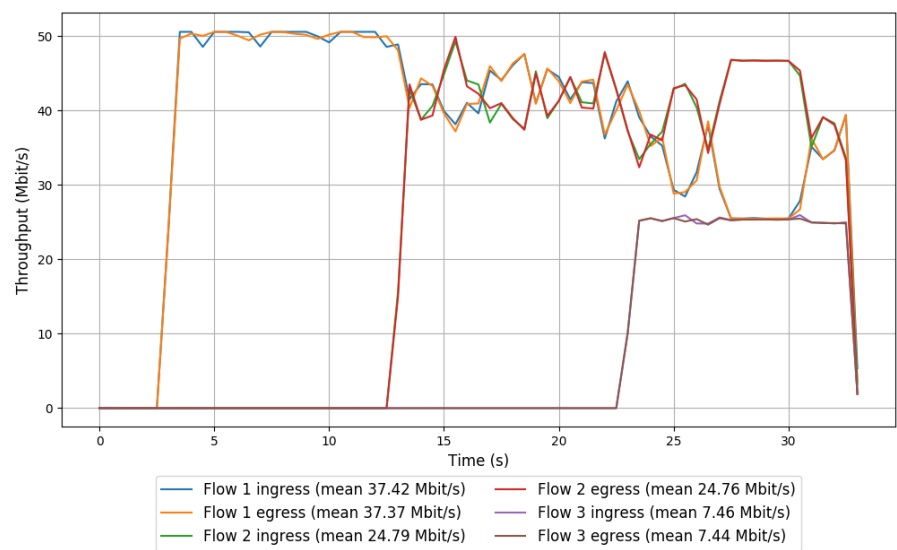
-- Flow 3:

Average throughput: 7.44 Mbit/s

95th percentile per-packet one-way delay: 17.305 ms

Loss rate: 0.23%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Wed, 05 Jul 2017 00:04:28 +0000

End at: Wed, 05 Jul 2017 00:04:58 +0000

Local clock offset: 0.337 ms

Remote clock offset: -1.556 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:35:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.42 Mbit/s

95th percentile per-packet one-way delay: 18.062 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 36.49 Mbit/s

95th percentile per-packet one-way delay: 18.032 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 24.56 Mbit/s

95th percentile per-packet one-way delay: 18.086 ms

Loss rate: 0.06%

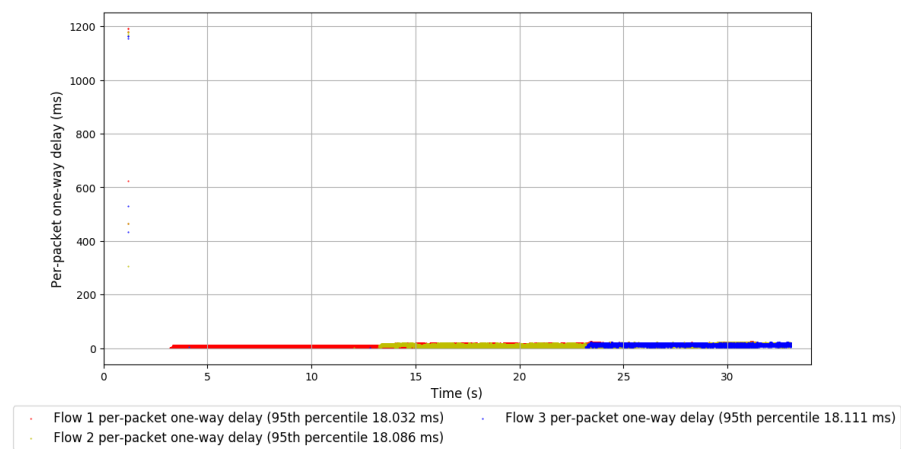
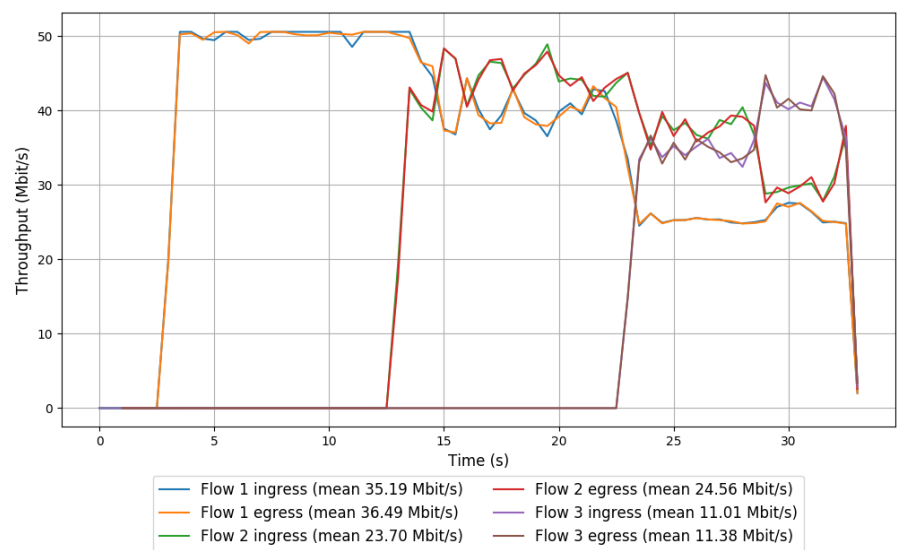
-- Flow 3:

Average throughput: 11.38 Mbit/s

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

Loss rate: 0.21%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 21:43:42 +0000

End at: Tue, 04 Jul 2017 21:44:12 +0000

Local clock offset: -1.11 ms

Remote clock offset: -2.703 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.44 Mbit/s

95th percentile per-packet one-way delay: 29.255 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 51.03 Mbit/s

95th percentile per-packet one-way delay: 29.148 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 23.87 Mbit/s

95th percentile per-packet one-way delay: 29.265 ms

Loss rate: 0.20%

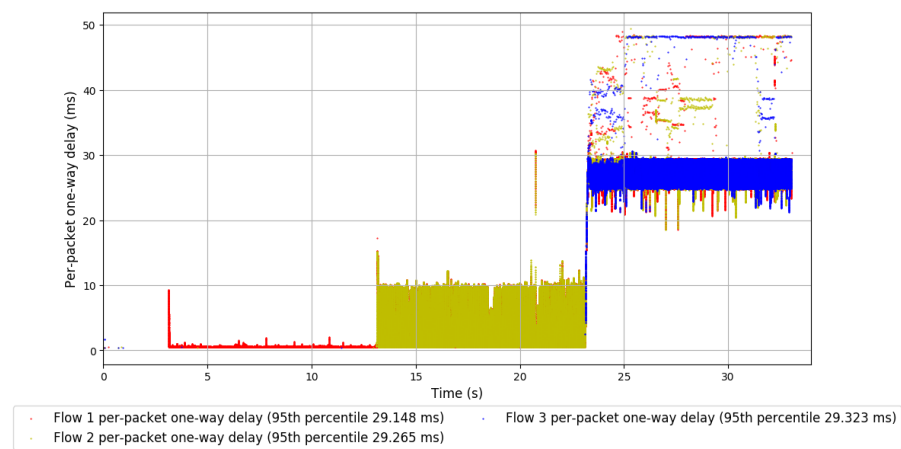
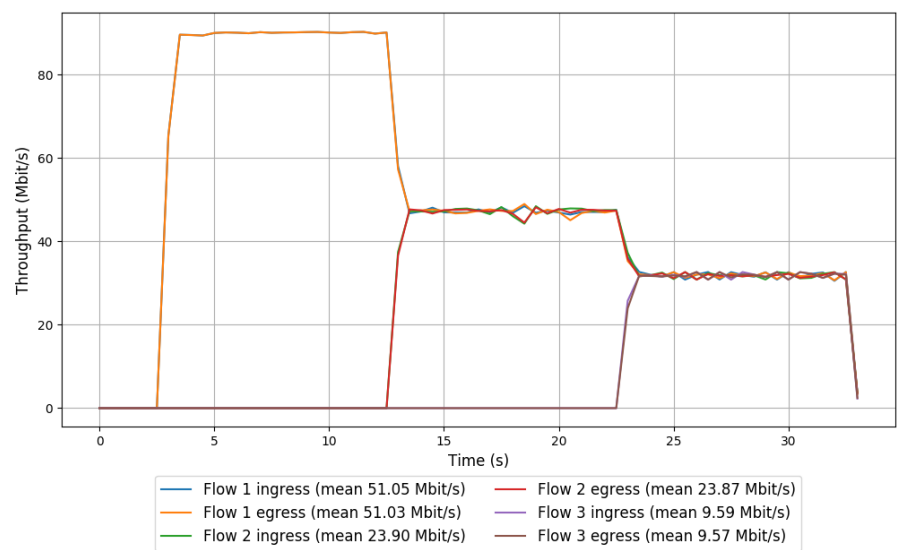
-- Flow 3:

Average throughput: 9.57 Mbit/s

95th percentile per-packet one-way delay: 29.323 ms

Loss rate: 0.29%

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



Run 2: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:00:50 +0000

End at: Tue, 04 Jul 2017 22:01:20 +0000

Local clock offset: -0.724 ms

Remote clock offset: -3.302 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:36:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.18 Mbit/s

95th percentile per-packet one-way delay: 28.154 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 50.78 Mbit/s

95th percentile per-packet one-way delay: 28.108 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 23.90 Mbit/s

95th percentile per-packet one-way delay: 28.184 ms

Loss rate: 0.34%

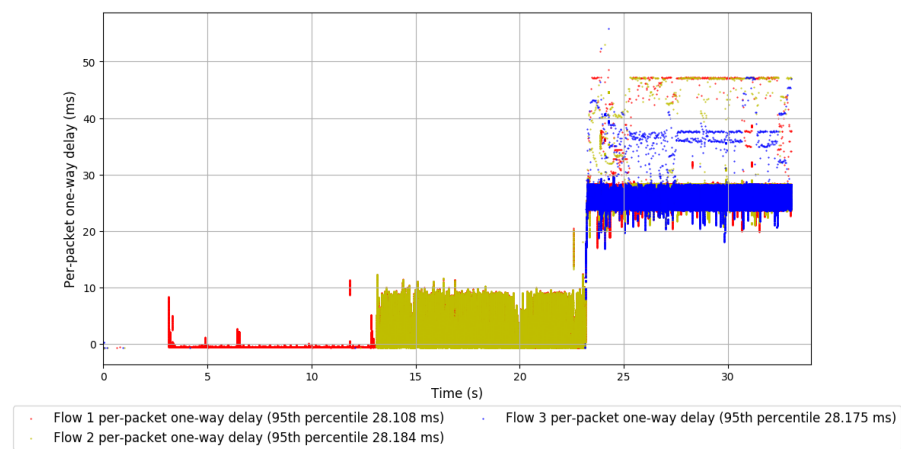
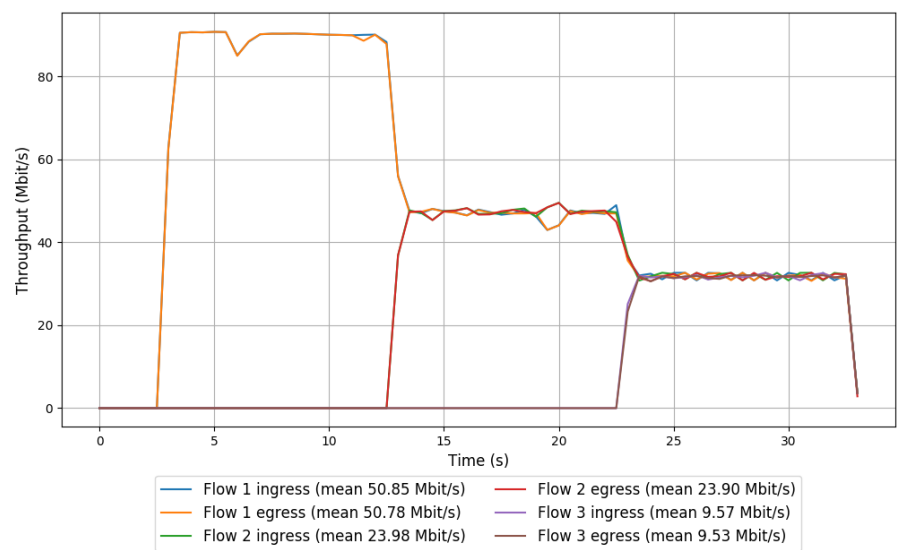
-- Flow 3:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 28.175 ms

Loss rate: 0.46%

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



Run 3: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:17:56 +0000

End at: Tue, 04 Jul 2017 22:18:26 +0000

Local clock offset: -0.232 ms

Remote clock offset: -3.902 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.29 Mbit/s

95th percentile per-packet one-way delay: 27.265 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 50.70 Mbit/s

95th percentile per-packet one-way delay: 26.757 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 24.08 Mbit/s

95th percentile per-packet one-way delay: 27.316 ms

Loss rate: 0.14%

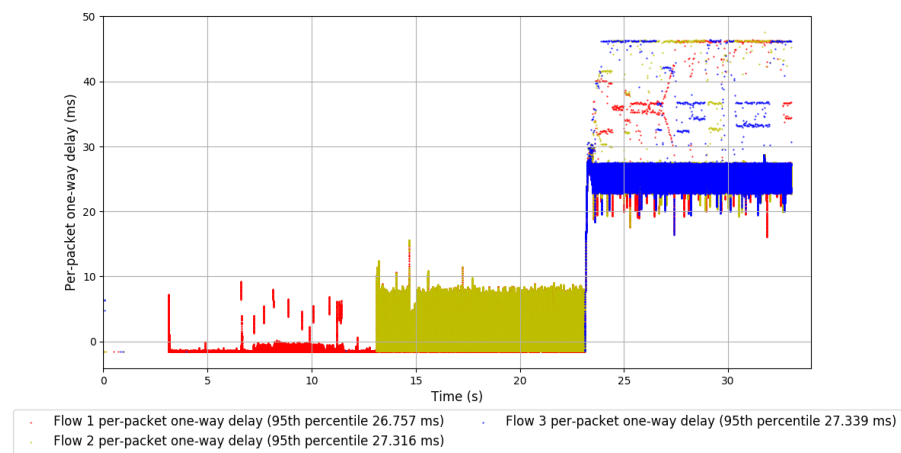
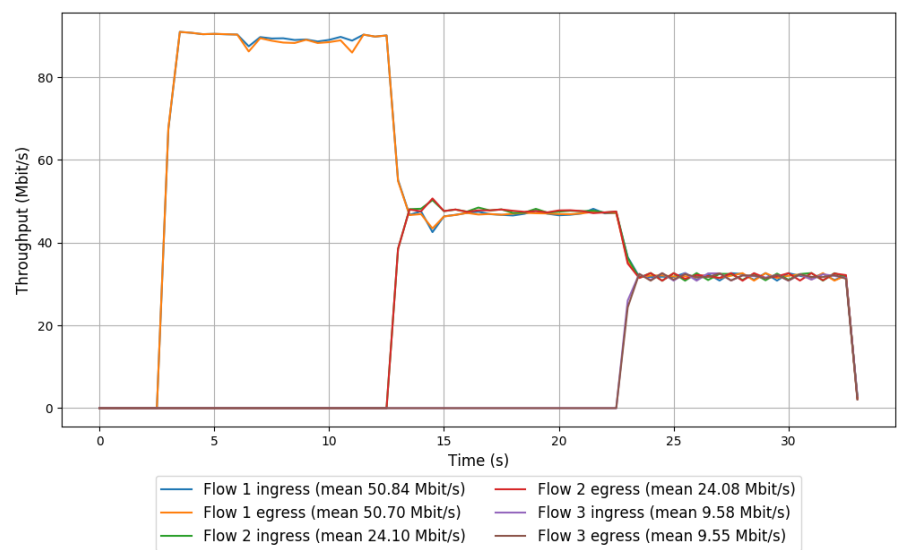
-- Flow 3:

Average throughput: 9.55 Mbit/s

95th percentile per-packet one-way delay: 27.339 ms

Loss rate: 0.43%

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



Run 4: Statistics of TaoVA-100x

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

End at: Tue, 04 Jul 2017 22:35:34 +0000

Local clock offset: 0.161 ms

Remote clock offset: -4.301 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.22 Mbit/s

95th percentile per-packet one-way delay: 26.419 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 50.74 Mbit/s

95th percentile per-packet one-way delay: 26.348 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 23.95 Mbit/s

95th percentile per-packet one-way delay: 26.443 ms

Loss rate: 0.17%

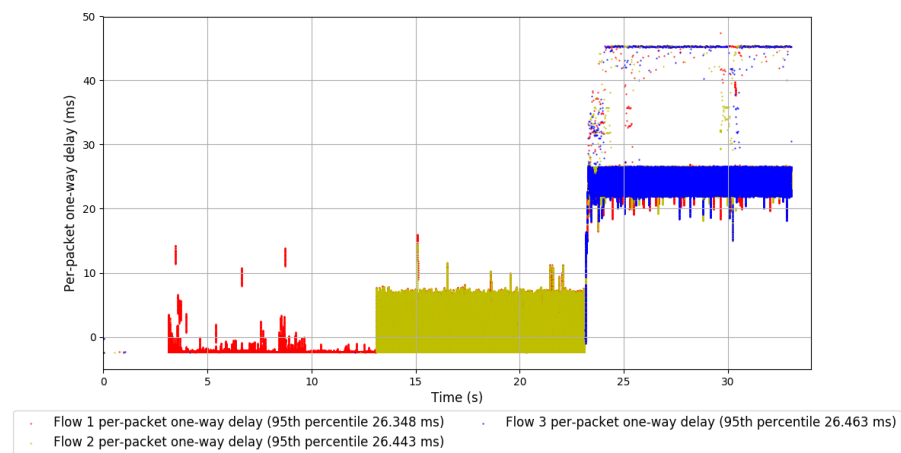
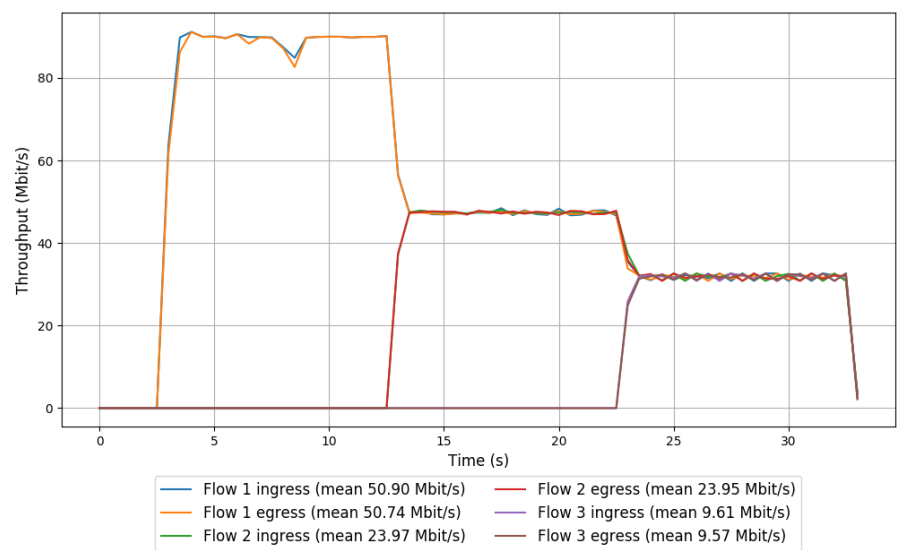
-- Flow 3:

Average throughput: 9.57 Mbit/s

95th percentile per-packet one-way delay: 26.463 ms

Loss rate: 0.42%

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



Run 5: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 22:52:18 +0000

End at: Tue, 04 Jul 2017 22:52:48 +0000

Local clock offset: 0.417 ms

Remote clock offset: -4.867 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.48 Mbit/s

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

Loss rate: 0.22%

-- Flow 1:

Average throughput: 51.10 Mbit/s

95th percentile per-packet one-way delay: 25.531 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 23.91 Mbit/s

95th percentile per-packet one-way delay: 25.635 ms

Loss rate: 0.23%

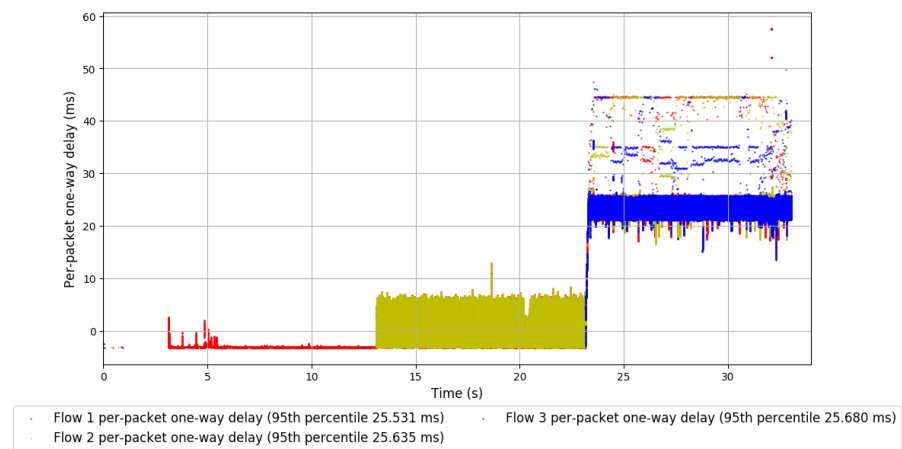
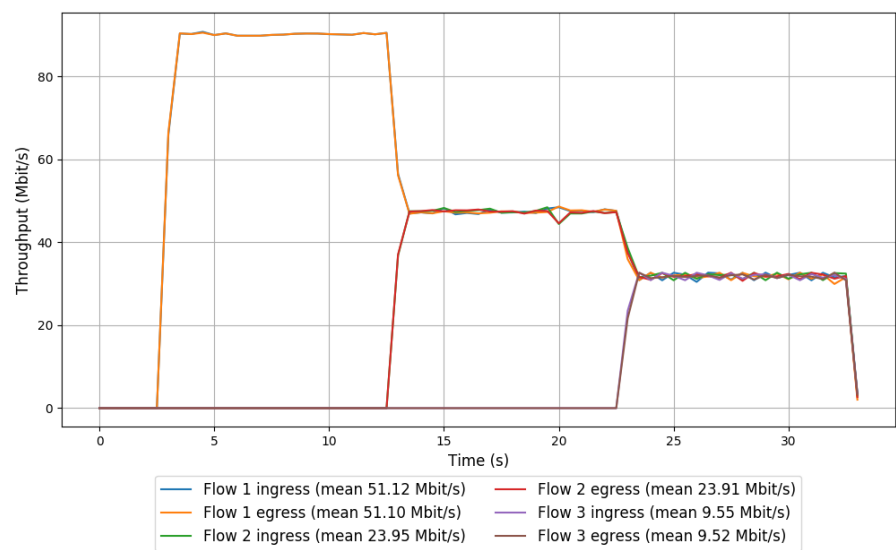
-- Flow 3:

Average throughput: 9.52 Mbit/s

95th percentile per-packet one-way delay: 25.680 ms

Loss rate: 0.42%

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



Run 6: Statistics of TaoVA-100x

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

End at: Tue, 04 Jul 2017 23:09:54 +0000

Local clock offset: 0.751 ms

Remote clock offset: -4.815 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:36:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.94 Mbit/s

95th percentile per-packet one-way delay: 25.317 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 50.32 Mbit/s

95th percentile per-packet one-way delay: 25.239 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 25.262 ms

Loss rate: 0.18%

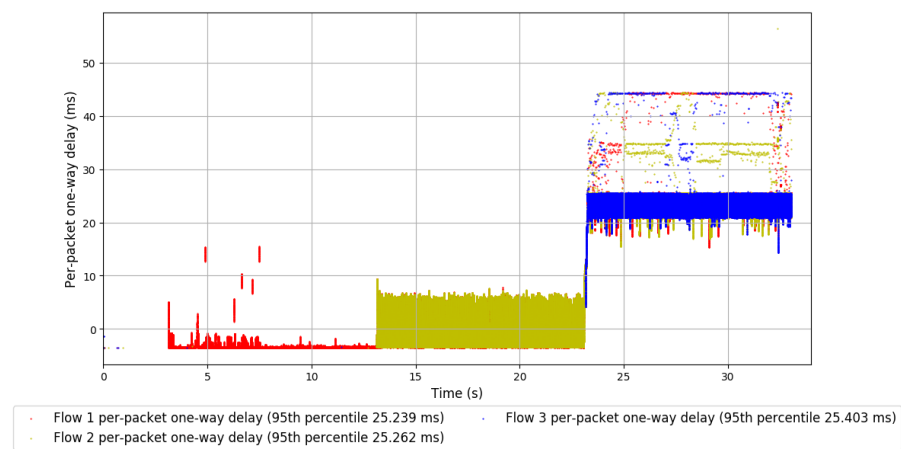
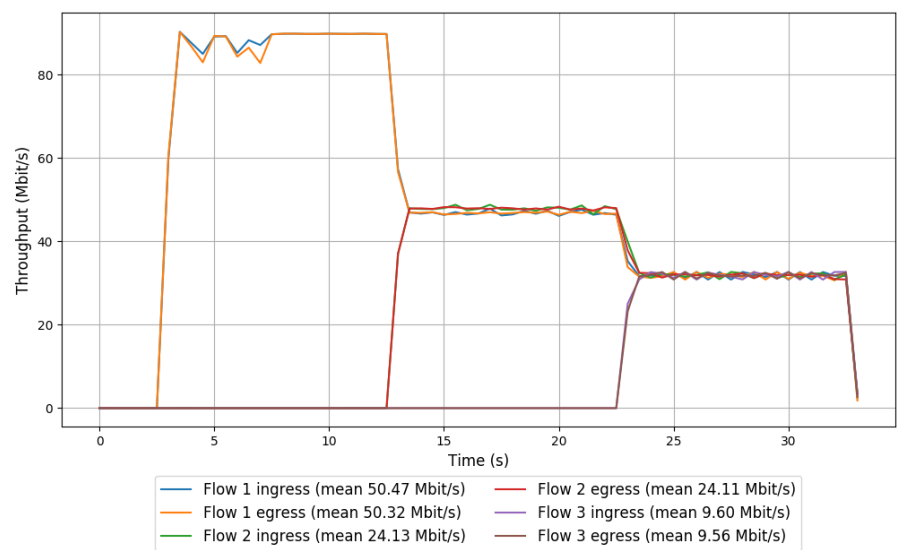
-- Flow 3:

Average throughput: 9.56 Mbit/s

95th percentile per-packet one-way delay: 25.403 ms

Loss rate: 0.43%

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



Run 7: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 23:26:38 +0000

End at: Tue, 04 Jul 2017 23:27:08 +0000

Local clock offset: 0.654 ms

Remote clock offset: -4.245 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:11 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.41 Mbit/s

95th percentile per-packet one-way delay: 26.071 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 50.94 Mbit/s

95th percentile per-packet one-way delay: 24.633 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 23.95 Mbit/s

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

Loss rate: 0.21%

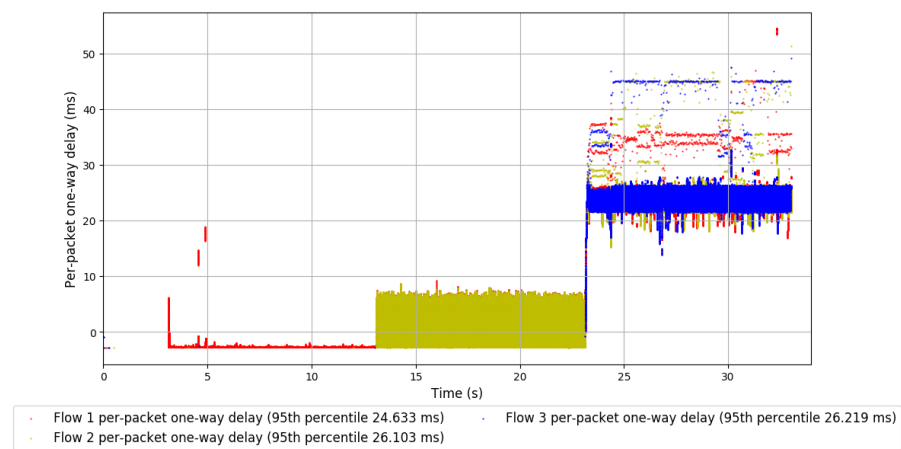
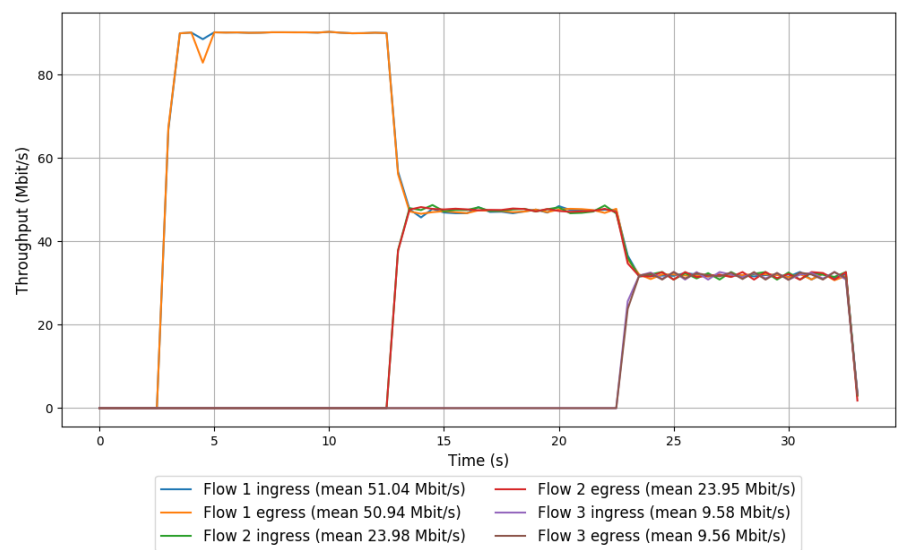
-- Flow 3:

Average throughput: 9.56 Mbit/s

95th percentile per-packet one-way delay: 26.219 ms

Loss rate: 0.38%

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



Run 8: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 23:43:52 +0000

End at: Tue, 04 Jul 2017 23:44:22 +0000

Local clock offset: 0.607 ms

Remote clock offset: -2.96 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.23 Mbit/s

95th percentile per-packet one-way delay: 27.378 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 50.74 Mbit/s

95th percentile per-packet one-way delay: 27.242 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 24.00 Mbit/s

95th percentile per-packet one-way delay: 27.379 ms

Loss rate: 0.22%

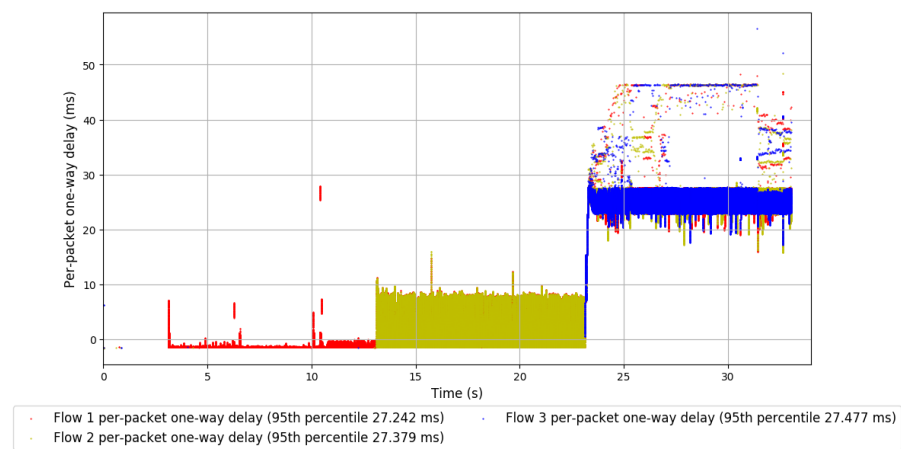
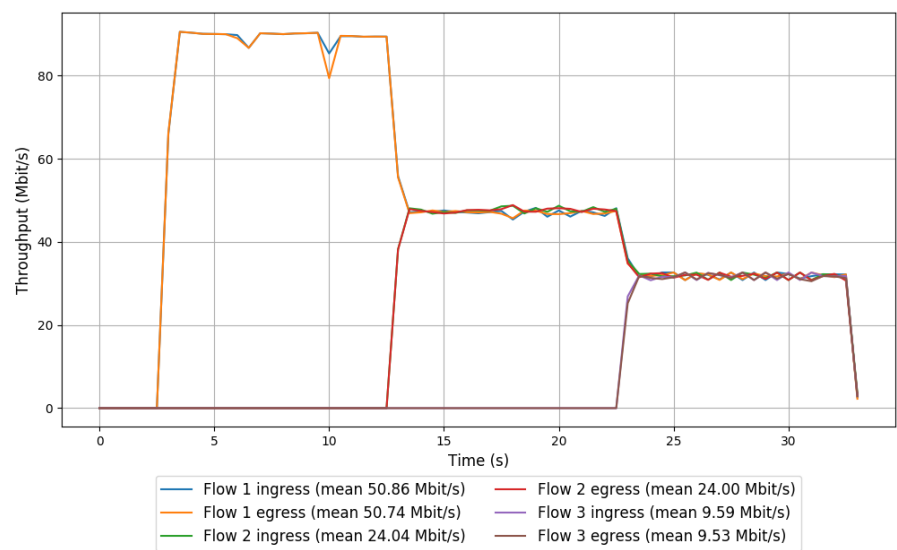
-- Flow 3:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 27.477 ms

Loss rate: 0.68%

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



Run 9: Statistics of TaoVA-100x

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

End at: Wed, 05 Jul 2017 00:01:31 +0000

Local clock offset: 0.325 ms

Remote clock offset: -1.895 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.19 Mbit/s

95th percentile per-packet one-way delay: 28.676 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 50.70 Mbit/s

95th percentile per-packet one-way delay: 28.591 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 23.98 Mbit/s

95th percentile per-packet one-way delay: 28.692 ms

Loss rate: 0.15%

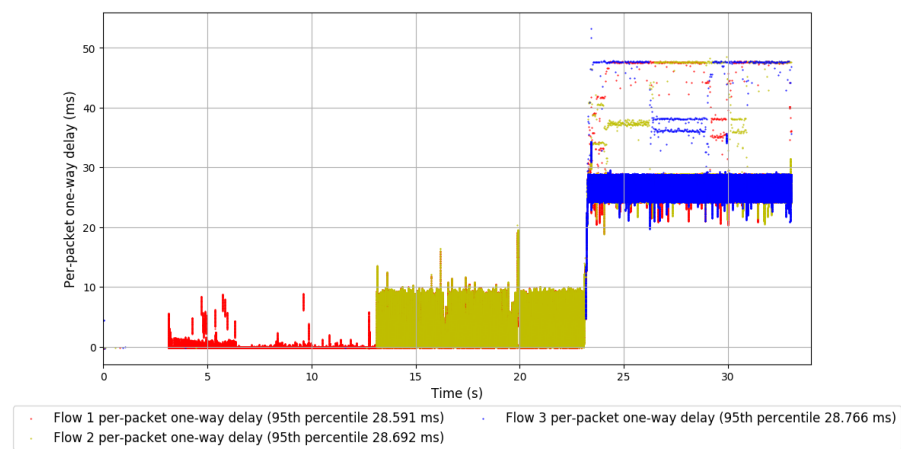
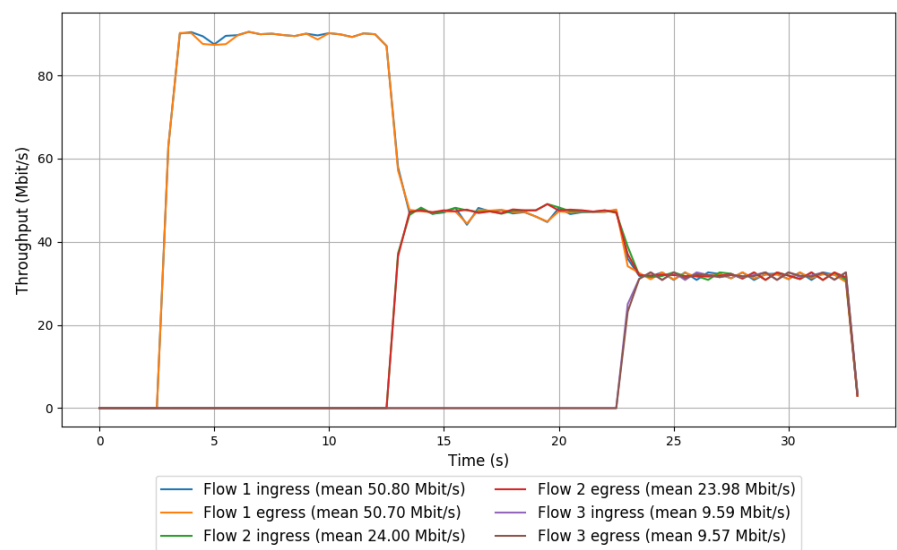
-- Flow 3:

Average throughput: 9.57 Mbit/s

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

Loss rate: 0.32%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 00:18:10 +0000

End at: Wed, 05 Jul 2017 00:18:40 +0000

Local clock offset: 0.208 ms

Remote clock offset: -0.131 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 84.41 Mbit/s

95th percentile per-packet one-way delay: 30.653 ms

Loss rate: 0.24%

-- Flow 1:

Average throughput: 50.94 Mbit/s

95th percentile per-packet one-way delay: 30.584 ms

Loss rate: 0.20%

-- Flow 2:

Average throughput: 23.98 Mbit/s

95th percentile per-packet one-way delay: 30.672 ms

Loss rate: 0.18%

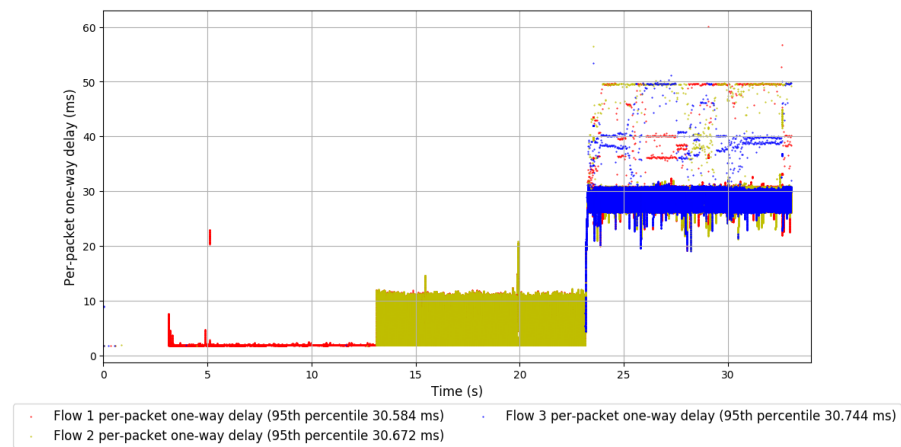
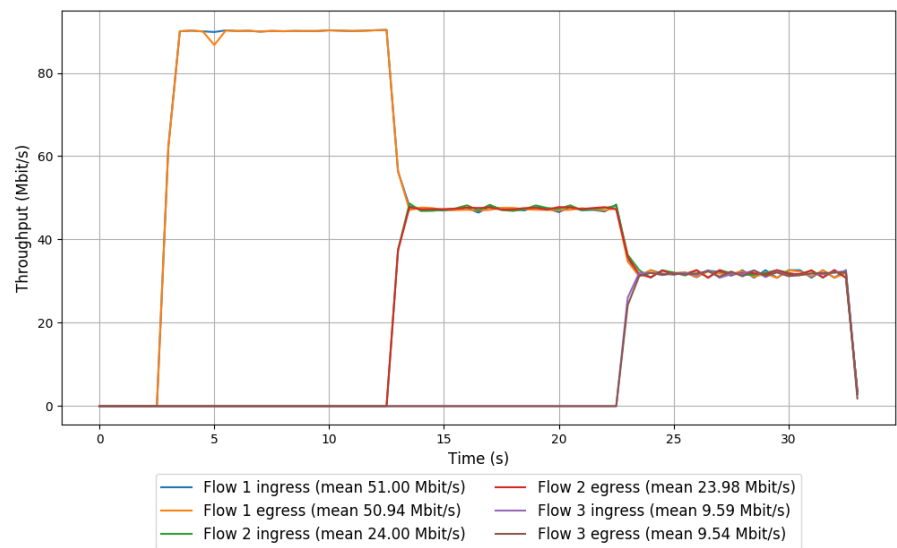
-- Flow 3:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: 30.744 ms

Loss rate: 0.59%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:33:14 +0000

End at: Tue, 04 Jul 2017 21:33:44 +0000

Local clock offset: -1.296 ms

Remote clock offset: -2.256 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.64 Mbit/s

95th percentile per-packet one-way delay: 3.168 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 49.69 Mbit/s

95th percentile per-packet one-way delay: 4.395 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 26.16 Mbit/s

95th percentile per-packet one-way delay: 2.936 ms

Loss rate: 0.02%

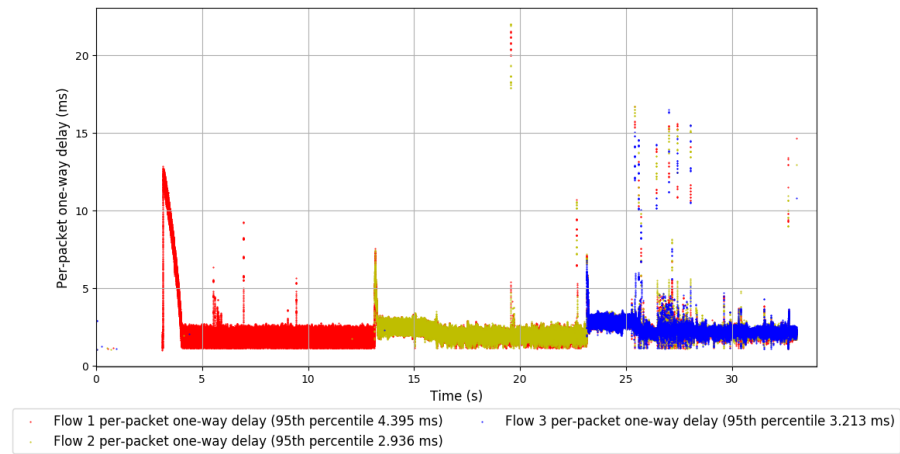
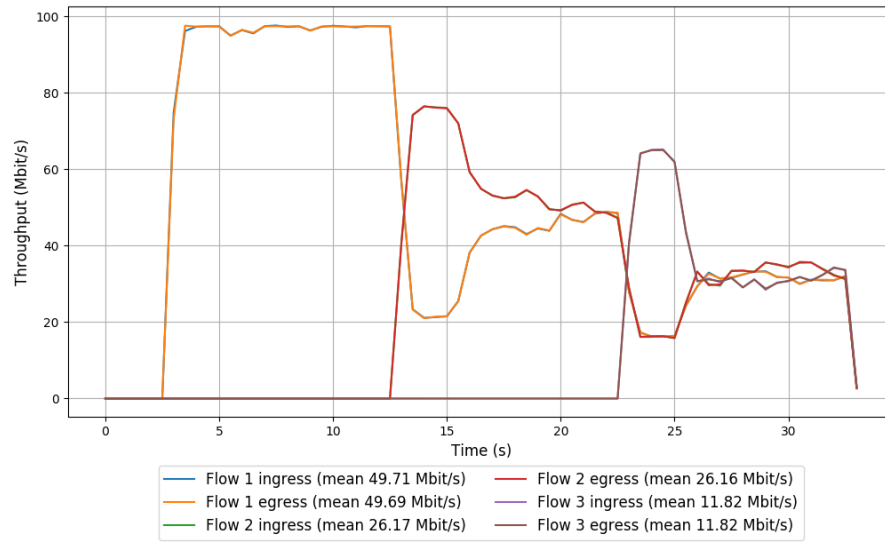
-- Flow 3:

Average throughput: 11.82 Mbit/s

95th percentile per-packet one-way delay: 3.213 ms

Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:50:40 +0000

End at: Tue, 04 Jul 2017 21:51:10 +0000

Local clock offset: -0.914 ms

Remote clock offset: -2.868 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:37:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.56 Mbit/s

95th percentile per-packet one-way delay: 1.570 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 51.07 Mbit/s

95th percentile per-packet one-way delay: 1.471 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 25.88 Mbit/s

95th percentile per-packet one-way delay: 1.618 ms

Loss rate: 0.02%

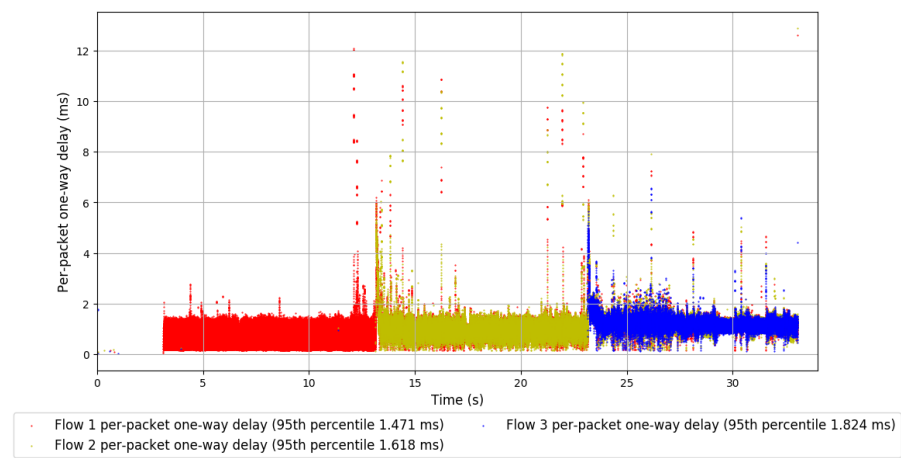
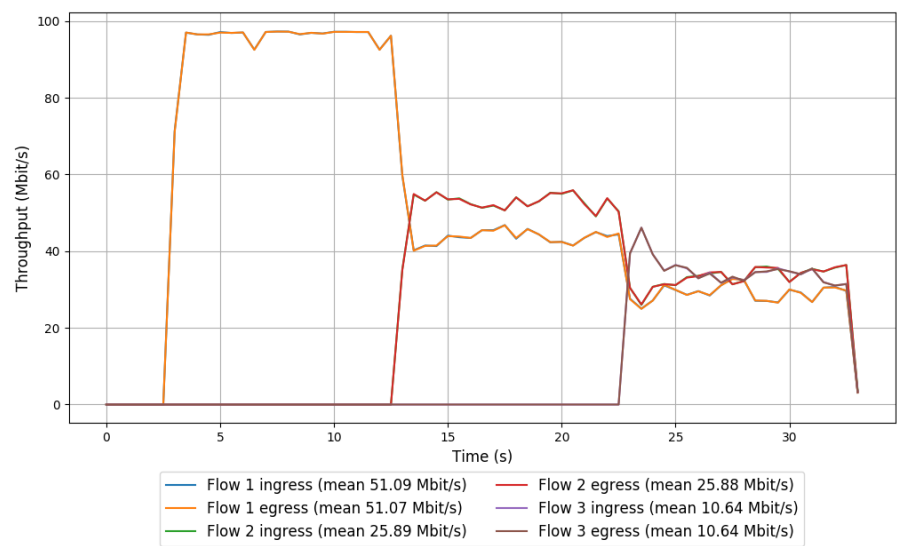
-- Flow 3:

Average throughput: 10.64 Mbit/s

95th percentile per-packet one-way delay: 1.824 ms

Loss rate: 0.04%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:07:48 +0000

End at: Tue, 04 Jul 2017 22:08:18 +0000

Local clock offset: -0.506 ms

Remote clock offset: -3.56 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.38 Mbit/s

95th percentile per-packet one-way delay: 1.067 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 49.11 Mbit/s

95th percentile per-packet one-way delay: 0.814 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 26.07 Mbit/s

95th percentile per-packet one-way delay: 0.737 ms

Loss rate: 0.01%

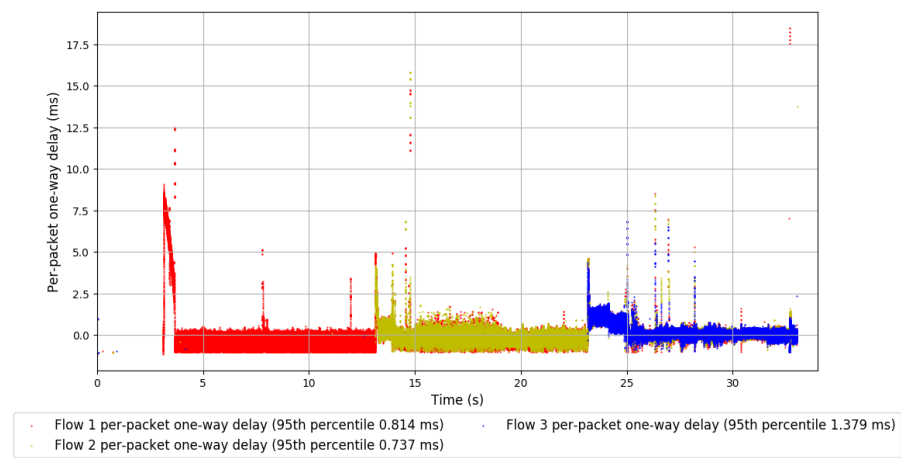
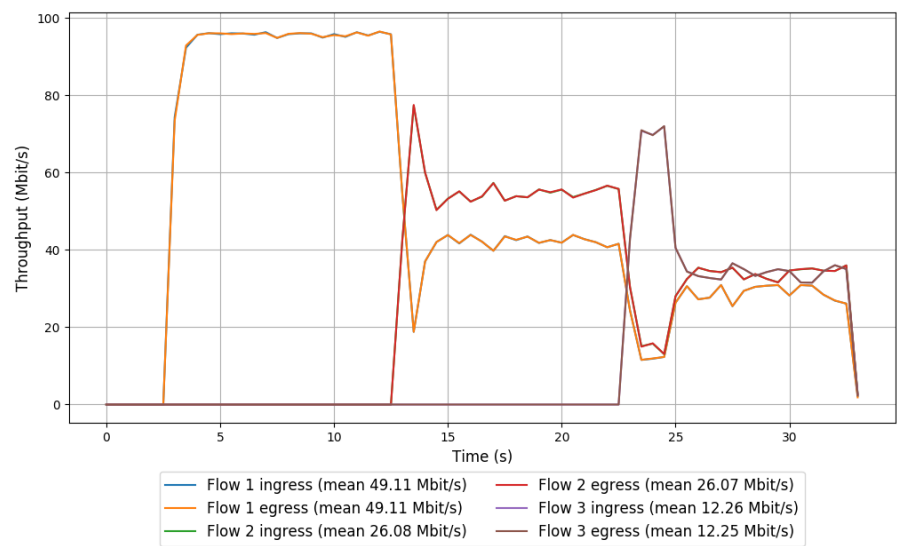
-- Flow 3:

Average throughput: 12.25 Mbit/s

95th percentile per-packet one-way delay: 1.379 ms

Loss rate: 0.04%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:24:54 +0000

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

Local clock offset: -0.093 ms

Remote clock offset: -4.029 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.50 Mbit/s

95th percentile per-packet one-way delay: 0.013 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 48.61 Mbit/s

95th percentile per-packet one-way delay: -0.143 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 23.22 Mbit/s

95th percentile per-packet one-way delay: 0.046 ms

Loss rate: 0.02%

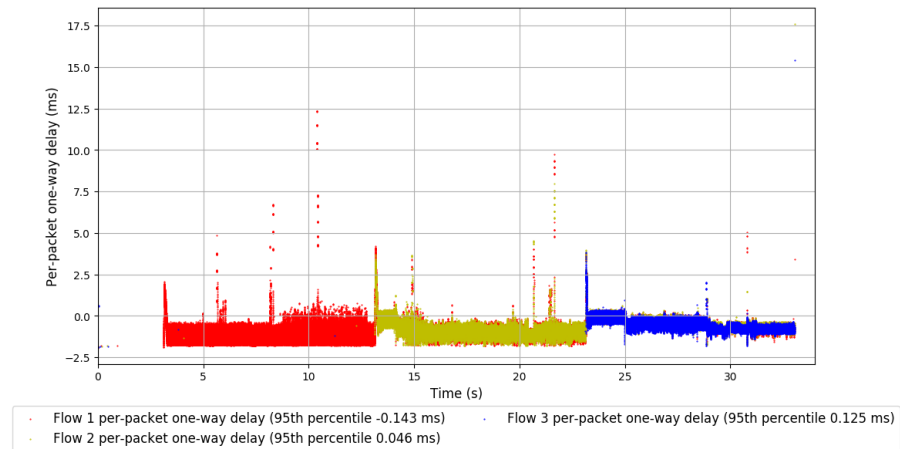
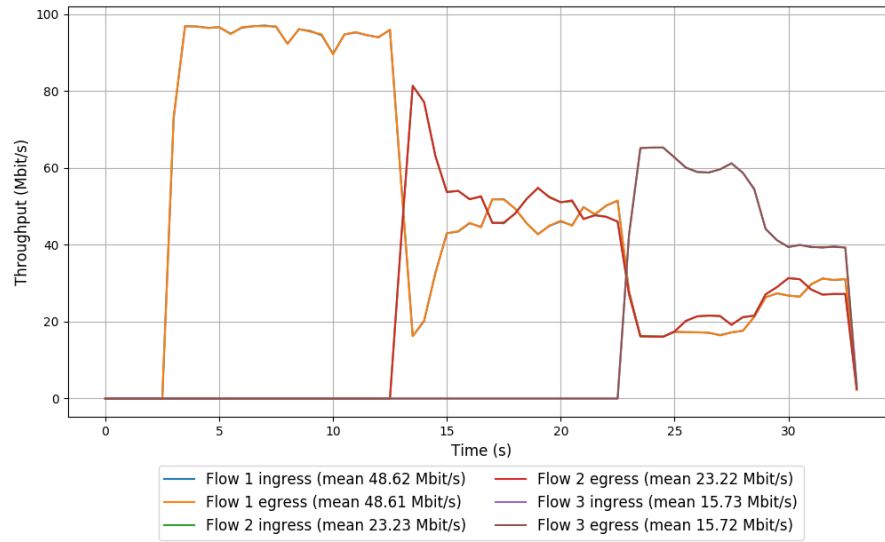
-- Flow 3:

Average throughput: 15.72 Mbit/s

95th percentile per-packet one-way delay: 0.125 ms

Loss rate: 0.04%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:42:02 +0000

End at: Tue, 04 Jul 2017 22:42:32 +0000

Local clock offset: 0.266 ms

Remote clock offset: -4.456 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.34 Mbit/s

95th percentile per-packet one-way delay: -1.109 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 50.64 Mbit/s

95th percentile per-packet one-way delay: -1.221 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 25.10 Mbit/s

95th percentile per-packet one-way delay: -1.170 ms

Loss rate: 0.01%

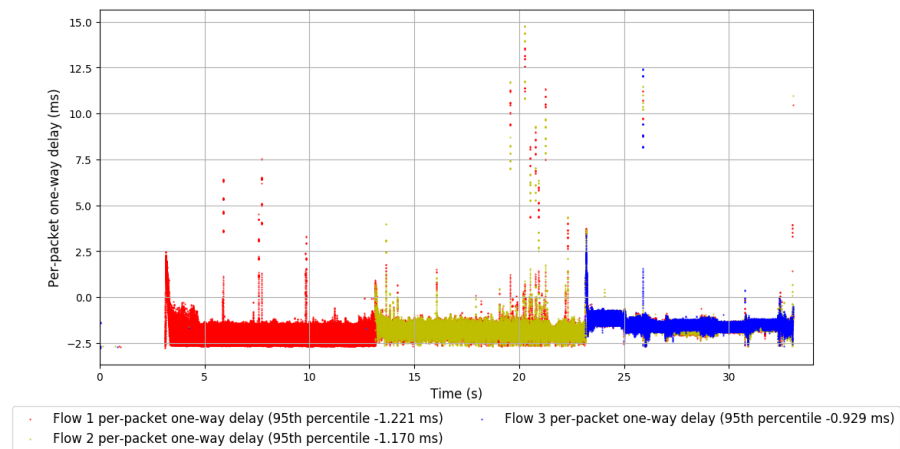
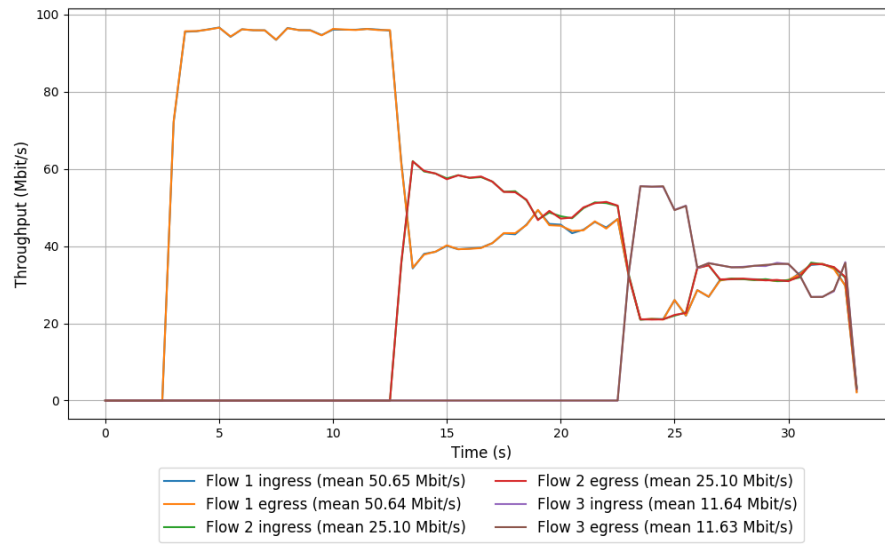
-- Flow 3:

Average throughput: 11.63 Mbit/s

95th percentile per-packet one-way delay: -0.929 ms

Loss rate: 0.05%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 22:59:13 +0000

End at: Tue, 04 Jul 2017 22:59:43 +0000

Local clock offset: 0.509 ms

Remote clock offset: -4.84 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.19 Mbit/s

95th percentile per-packet one-way delay: -1.966 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 52.46 Mbit/s

95th percentile per-packet one-way delay: -1.974 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: -2.008 ms

Loss rate: 0.02%

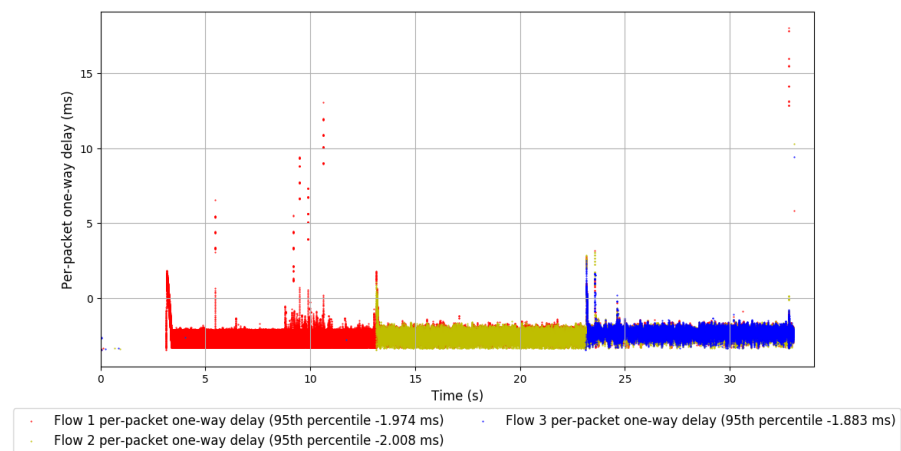
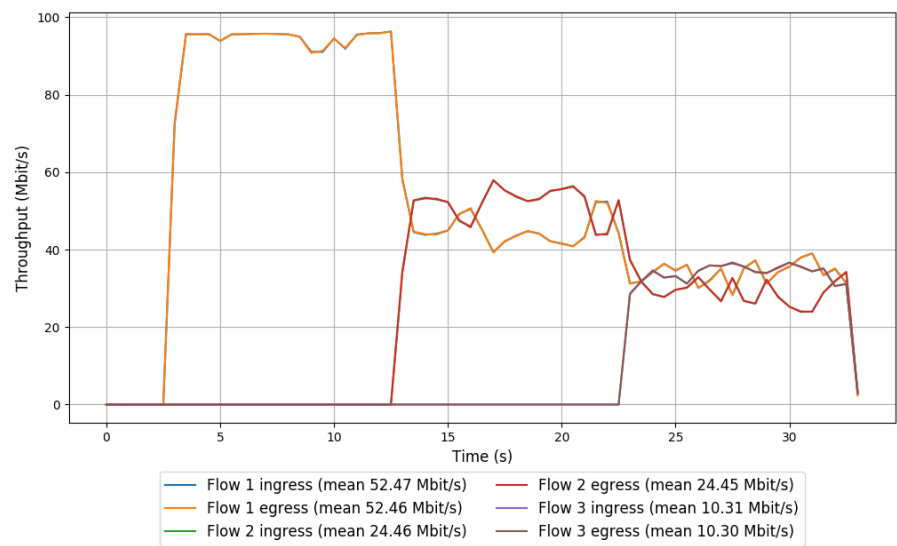
-- Flow 3:

Average throughput: 10.30 Mbit/s

95th percentile per-packet one-way delay: -1.883 ms

Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:16:22 +0000

End at: Tue, 04 Jul 2017 23:16:52 +0000

Local clock offset: 0.708 ms

Remote clock offset: -4.715 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: -1.558 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 47.27 Mbit/s

95th percentile per-packet one-way delay: -0.765 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 26.72 Mbit/s

95th percentile per-packet one-way delay: -1.652 ms

Loss rate: 0.02%

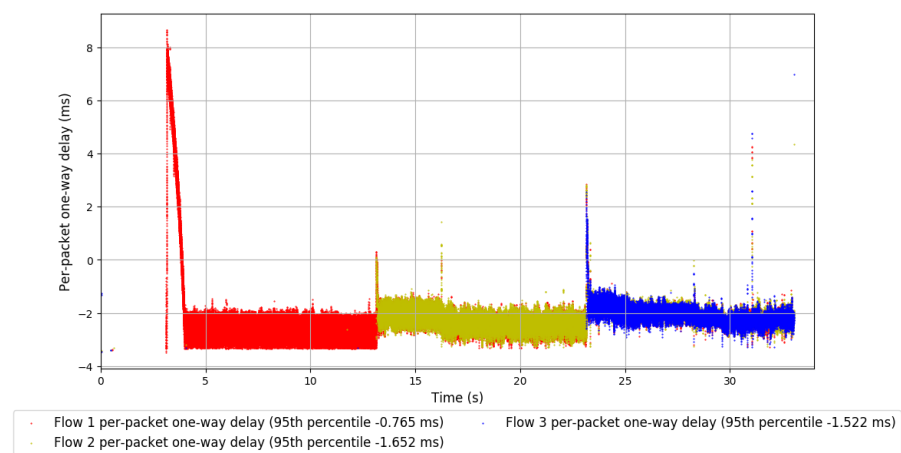
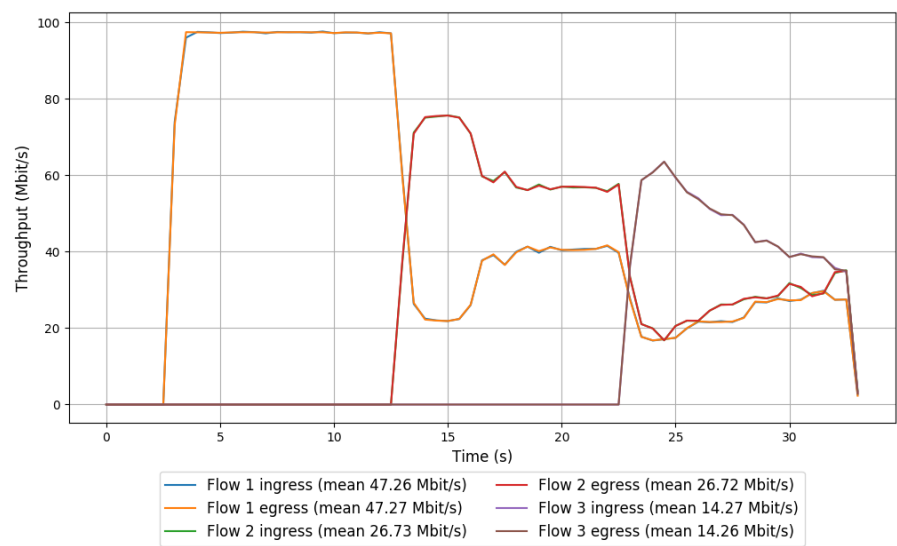
-- Flow 3:

Average throughput: 14.26 Mbit/s

95th percentile per-packet one-way delay: -1.522 ms

Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:33:36 +0000

End at: Tue, 04 Jul 2017 23:34:06 +0000

Local clock offset: 0.644 ms

Remote clock offset: -3.697 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 88.02 Mbit/s

95th percentile per-packet one-way delay: 0.992 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 46.68 Mbit/s

95th percentile per-packet one-way delay: 1.951 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 27.06 Mbit/s

95th percentile per-packet one-way delay: -0.412 ms

Loss rate: 0.02%

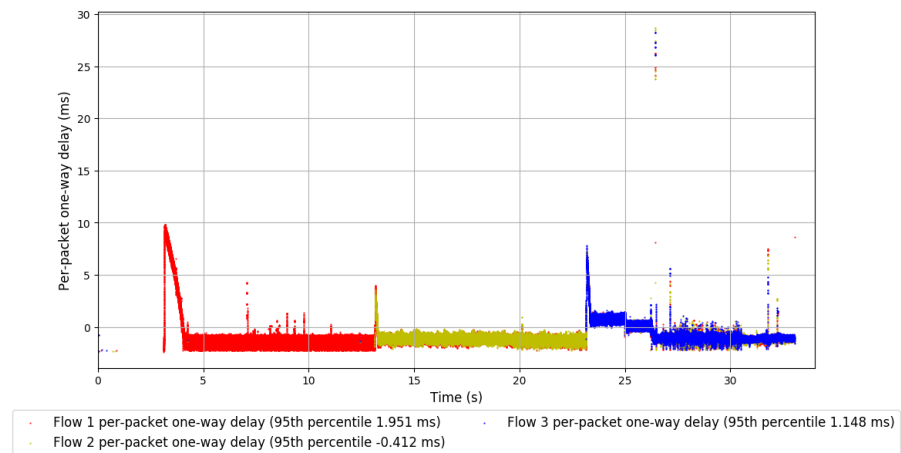
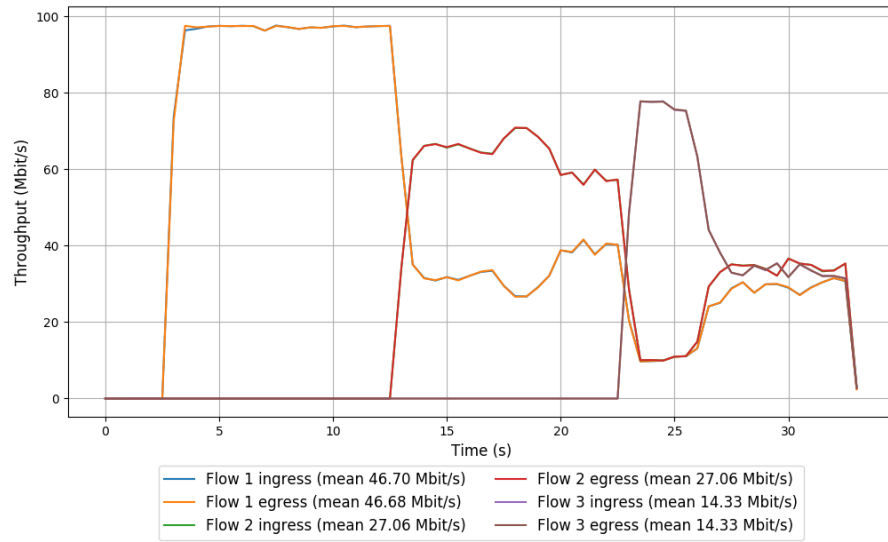
-- Flow 3:

Average throughput: 14.33 Mbit/s

95th percentile per-packet one-way delay: 1.148 ms

Loss rate: 0.03%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 23:50:51 +0000

End at: Tue, 04 Jul 2017 23:51:21 +0000

Local clock offset: 0.505 ms

Remote clock offset: -2.425 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:39 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.61 Mbit/s

95th percentile per-packet one-way delay: 0.712 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 56.96 Mbit/s

95th percentile per-packet one-way delay: 0.654 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 27.55 Mbit/s

95th percentile per-packet one-way delay: 0.746 ms

Loss rate: 0.03%

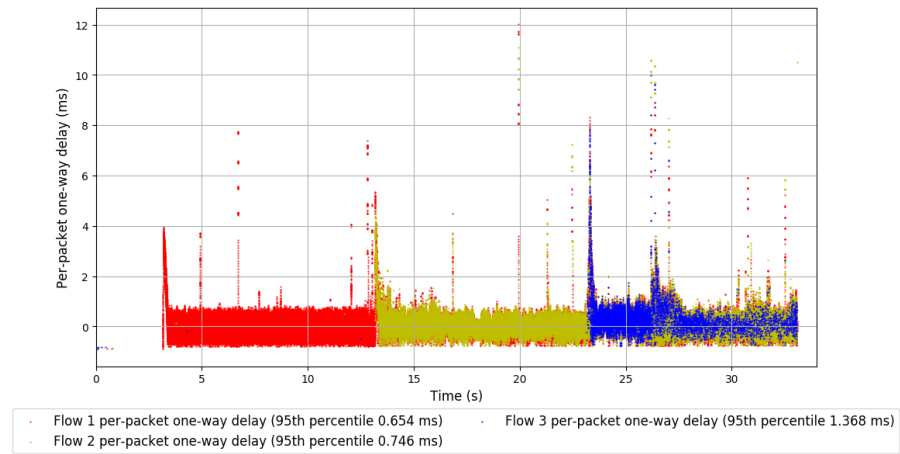
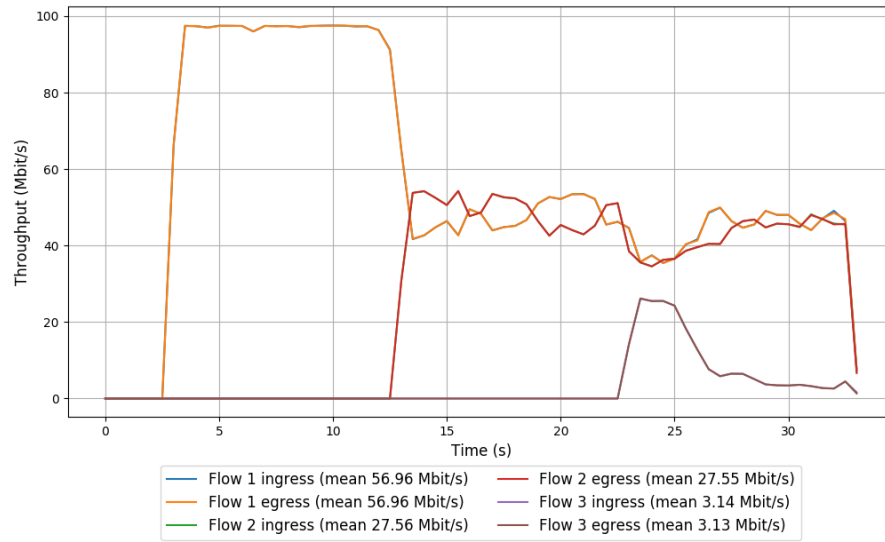
-- Flow 3:

Average throughput: 3.13 Mbit/s

95th percentile per-packet one-way delay: 1.368 ms

Loss rate: 0.15%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 00:07:56 +0000

End at: Wed, 05 Jul 2017 00:08:26 +0000

Local clock offset: 0.24 ms

Remote clock offset: -1.265 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 87.67 Mbit/s

95th percentile per-packet one-way delay: 2.511 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 50.71 Mbit/s

95th percentile per-packet one-way delay: 2.600 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 26.57 Mbit/s

95th percentile per-packet one-way delay: 2.526 ms

Loss rate: 0.02%

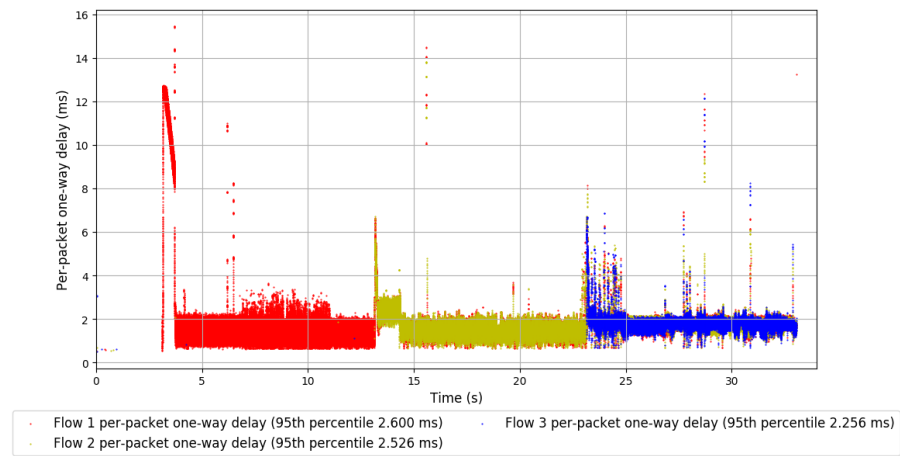
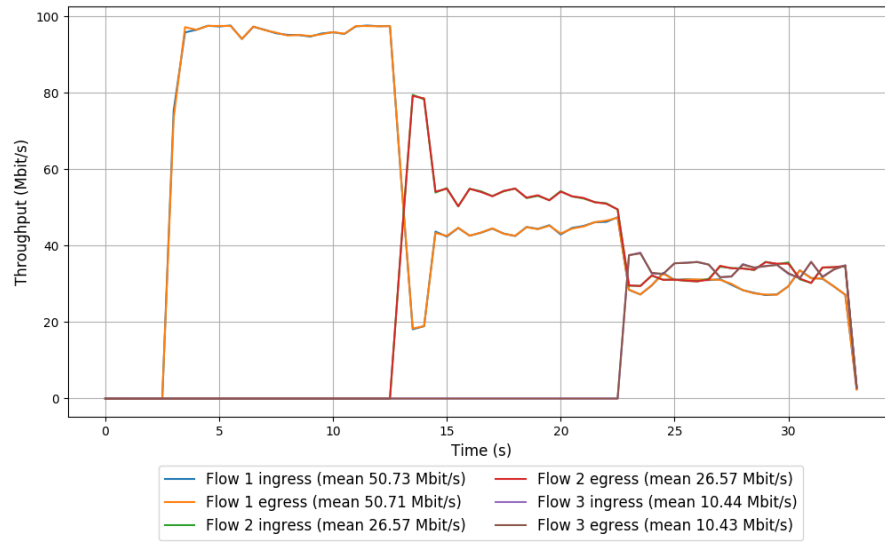
-- Flow 3:

Average throughput: 10.43 Mbit/s

95th percentile per-packet one-way delay: 2.256 ms

Loss rate: 0.05%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Tue, 04 Jul 2017 21:32:03 +0000

End at: Tue, 04 Jul 2017 21:32:33 +0000

Local clock offset: -1.372 ms

Remote clock offset: -2.149 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:38:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.17 Mbit/s

95th percentile per-packet one-way delay: 35.136 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 48.73 Mbit/s

95th percentile per-packet one-way delay: 33.945 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 25.80 Mbit/s

95th percentile per-packet one-way delay: 35.066 ms

Loss rate: 0.17%

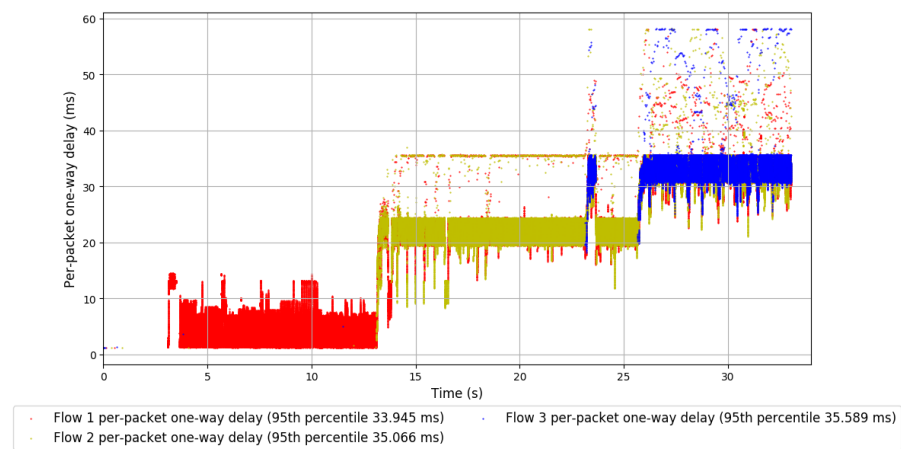
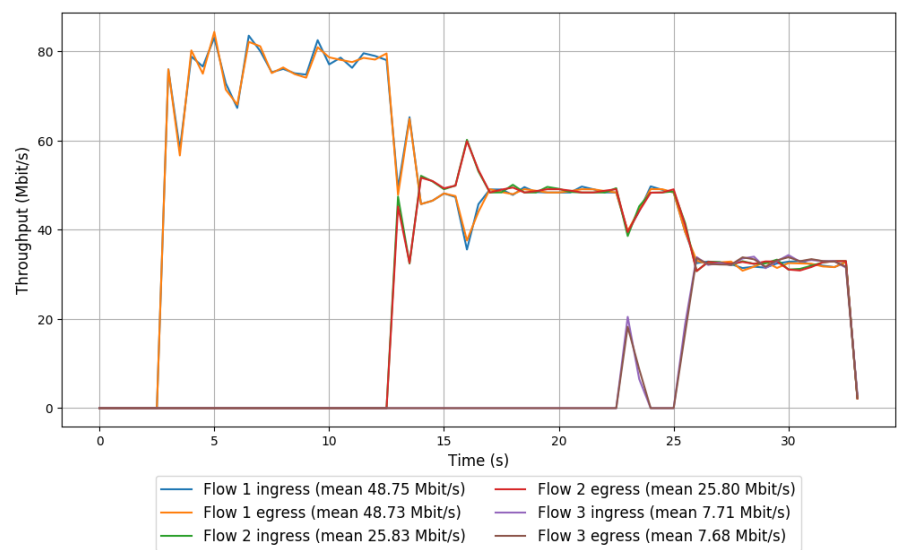
-- Flow 3:

Average throughput: 7.68 Mbit/s

95th percentile per-packet one-way delay: 35.589 ms

Loss rate: 0.57%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Tue, 04 Jul 2017 21:49:29 +0000

End at: Tue, 04 Jul 2017 21:49:59 +0000

Local clock offset: -0.974 ms

Remote clock offset: -2.812 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.62 Mbit/s

95th percentile per-packet one-way delay: 33.455 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 46.47 Mbit/s

95th percentile per-packet one-way delay: 32.355 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 24.23 Mbit/s

95th percentile per-packet one-way delay: 33.635 ms

Loss rate: 0.15%

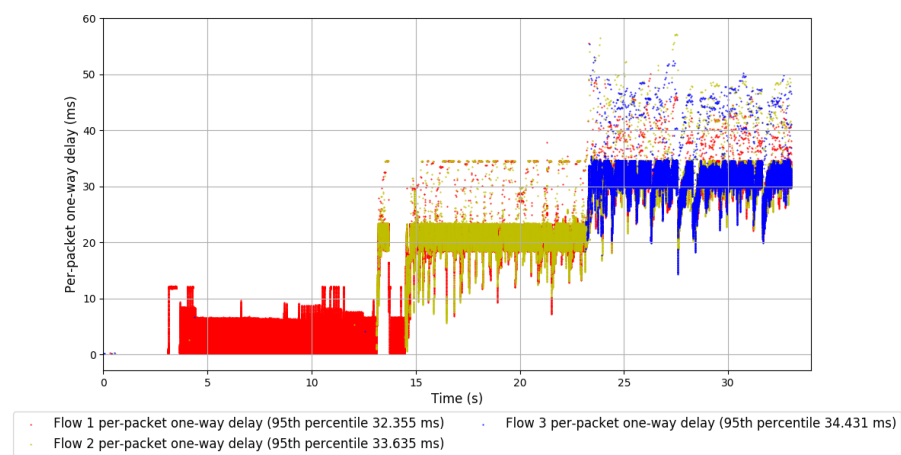
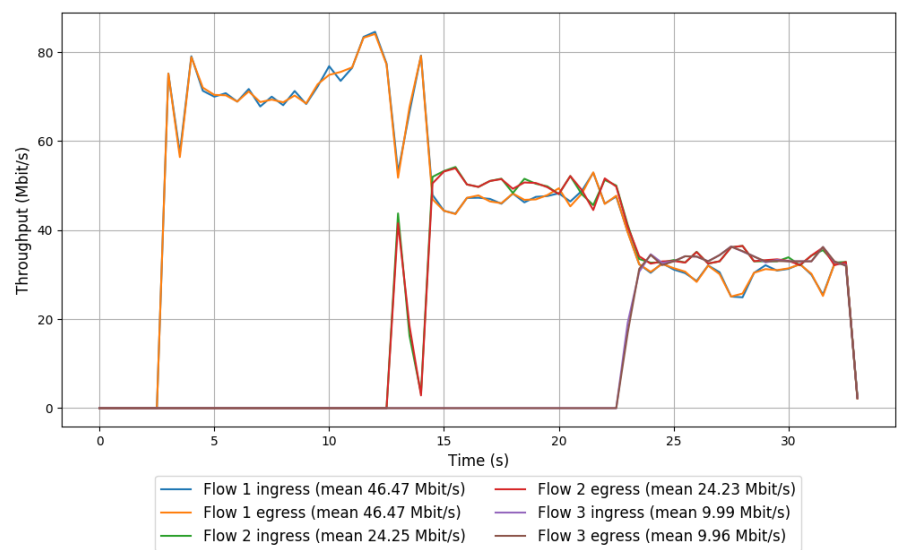
-- Flow 3:

Average throughput: 9.96 Mbit/s

95th percentile per-packet one-way delay: 34.431 ms

Loss rate: 0.35%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:06:37 +0000

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

Local clock offset: -0.525 ms

Remote clock offset: -3.518 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.40 Mbit/s

95th percentile per-packet one-way delay: 33.391 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 48.04 Mbit/s

95th percentile per-packet one-way delay: 33.316 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 24.82 Mbit/s

95th percentile per-packet one-way delay: 33.393 ms

Loss rate: 0.25%

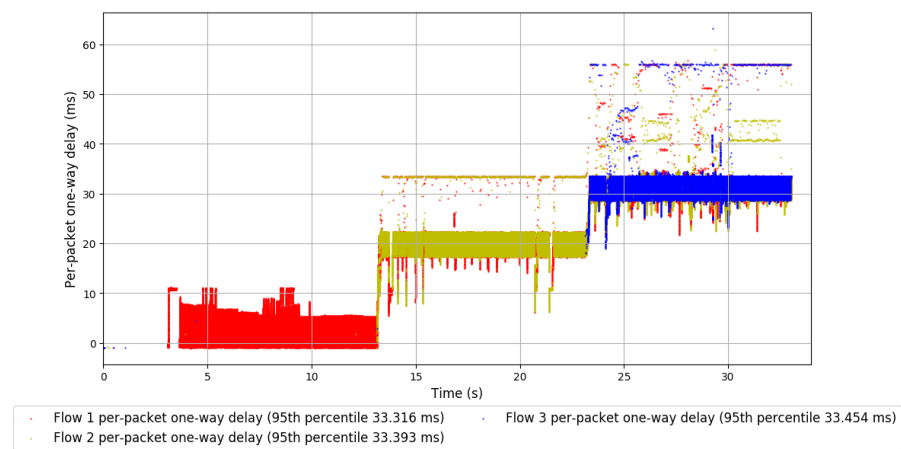
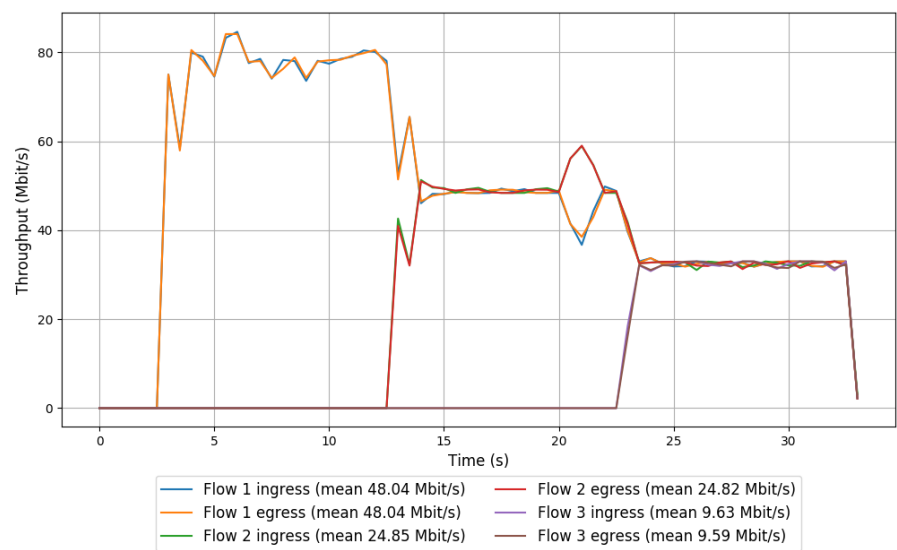
-- Flow 3:

Average throughput: 9.59 Mbit/s

95th percentile per-packet one-way delay: 33.454 ms

Loss rate: 0.49%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:23:44 +0000

End at: Tue, 04 Jul 2017 22:24:14 +0000

Local clock offset: -0.111 ms

Remote clock offset: -3.921 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.47 Mbit/s

95th percentile per-packet one-way delay: 32.359 ms

Loss rate: 0.20%

-- Flow 1:

Average throughput: 47.94 Mbit/s

95th percentile per-packet one-way delay: 31.456 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 25.49 Mbit/s

95th percentile per-packet one-way delay: 31.964 ms

Loss rate: 0.26%

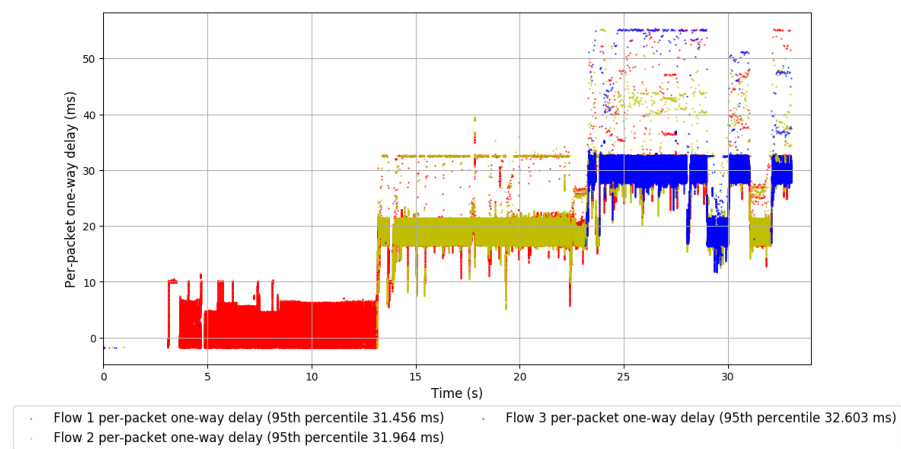
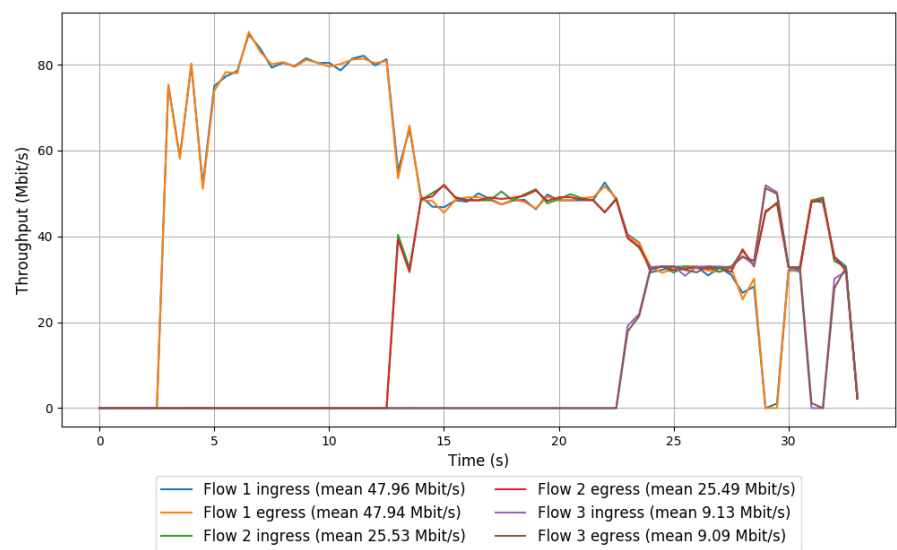
-- Flow 3:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 32.603 ms

Loss rate: 0.49%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:40:51 +0000

End at: Tue, 04 Jul 2017 22:41:21 +0000

Local clock offset: 0.262 ms

Remote clock offset: -4.415 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.81 Mbit/s

95th percentile per-packet one-way delay: 31.729 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 47.98 Mbit/s

95th percentile per-packet one-way delay: 31.674 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 31.750 ms

Loss rate: 0.17%

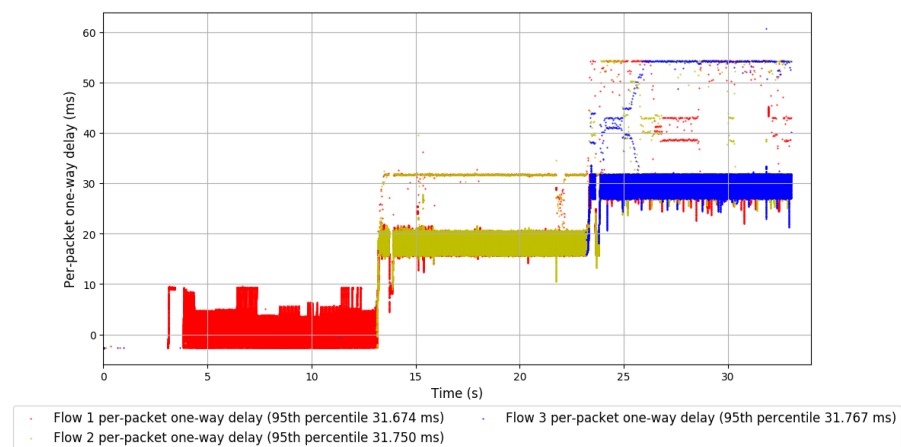
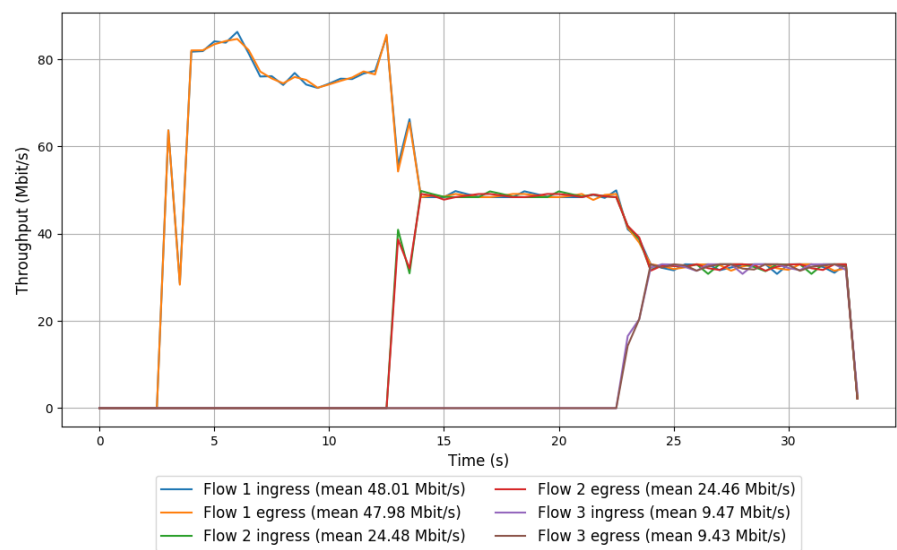
-- Flow 3:

Average throughput: 9.43 Mbit/s

95th percentile per-packet one-way delay: 31.767 ms

Loss rate: 0.50%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Tue, 04 Jul 2017 22:58:03 +0000

End at: Tue, 04 Jul 2017 22:58:33 +0000

Local clock offset: 0.528 ms

Remote clock offset: -4.947 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.43 Mbit/s

95th percentile per-packet one-way delay: 31.026 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 48.14 Mbit/s

95th percentile per-packet one-way delay: 30.753 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 24.85 Mbit/s

95th percentile per-packet one-way delay: 31.032 ms

Loss rate: 0.24%

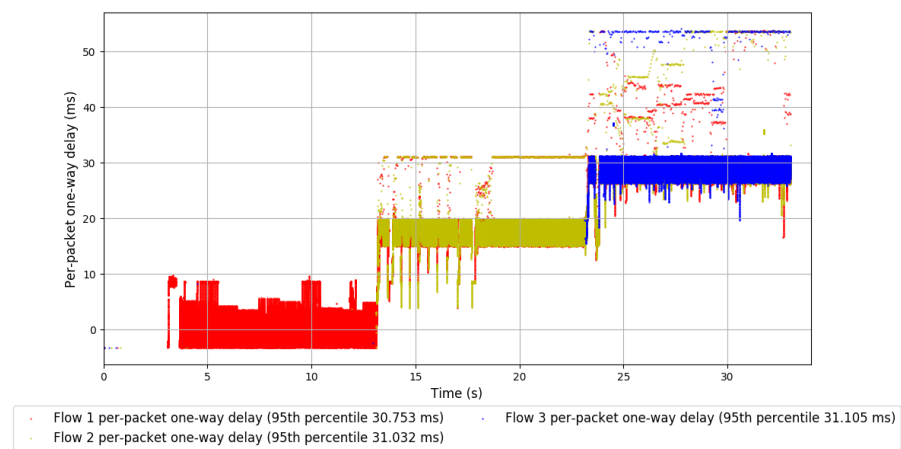
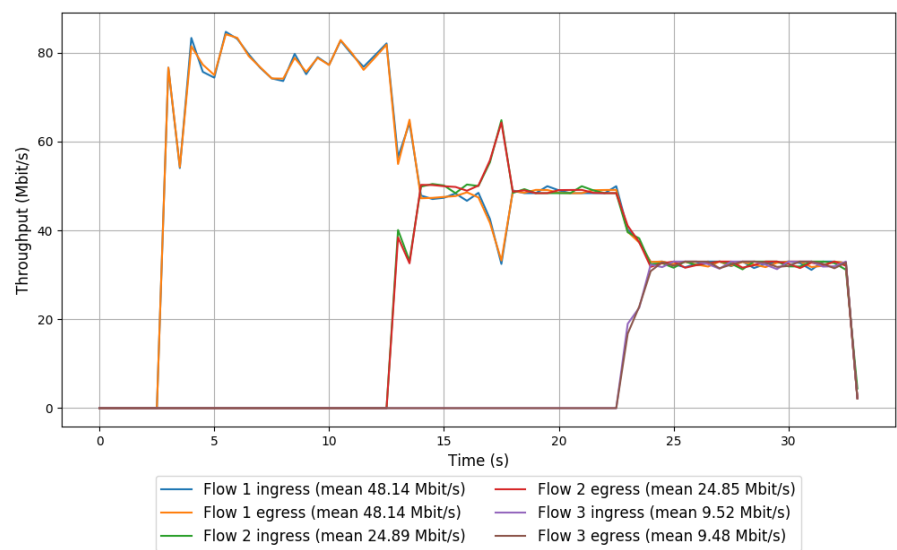
-- Flow 3:

Average throughput: 9.48 Mbit/s

95th percentile per-packet one-way delay: 31.105 ms

Loss rate: 0.53%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:15:11 +0000

End at: Tue, 04 Jul 2017 23:15:41 +0000

Local clock offset: 0.719 ms

Remote clock offset: -4.75 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:39:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 82.78 Mbit/s

95th percentile per-packet one-way delay: 30.948 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 49.25 Mbit/s

95th percentile per-packet one-way delay: 30.291 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 24.07 Mbit/s

95th percentile per-packet one-way delay: 30.993 ms

Loss rate: 0.25%

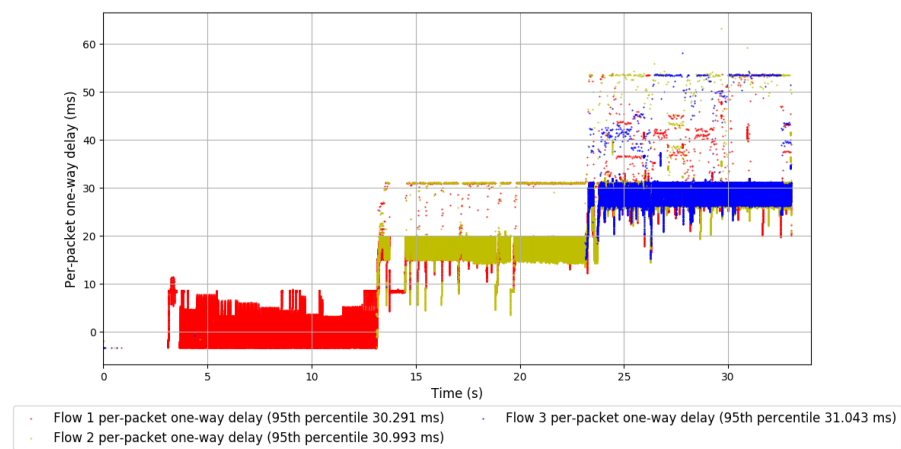
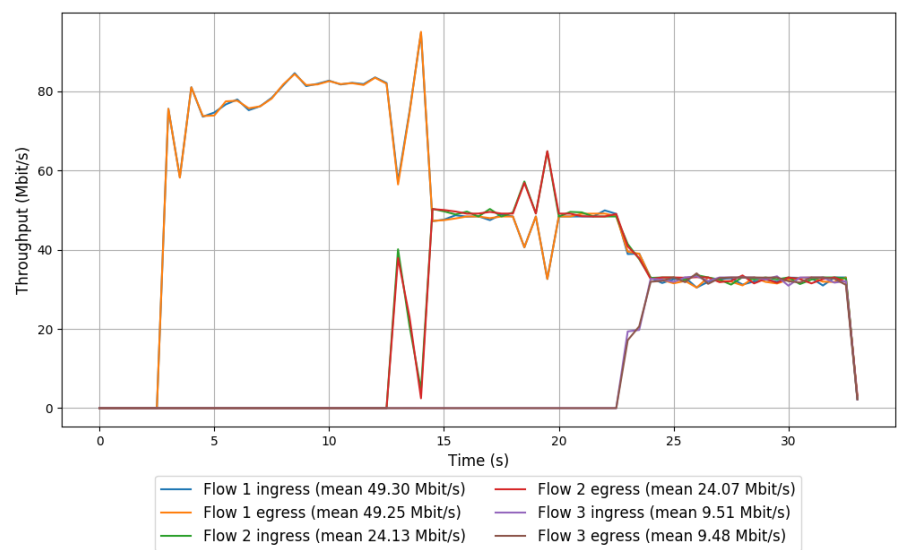
-- Flow 3:

Average throughput: 9.48 Mbit/s

95th percentile per-packet one-way delay: 31.043 ms

Loss rate: 0.42%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:32:26 +0000

End at: Tue, 04 Jul 2017 23:32:56 +0000

Local clock offset: 0.643 ms

Remote clock offset: -3.881 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 80.22 Mbit/s

95th percentile per-packet one-way delay: 31.675 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 45.71 Mbit/s

95th percentile per-packet one-way delay: 30.166 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 24.78 Mbit/s

95th percentile per-packet one-way delay: 31.913 ms

Loss rate: 0.14%

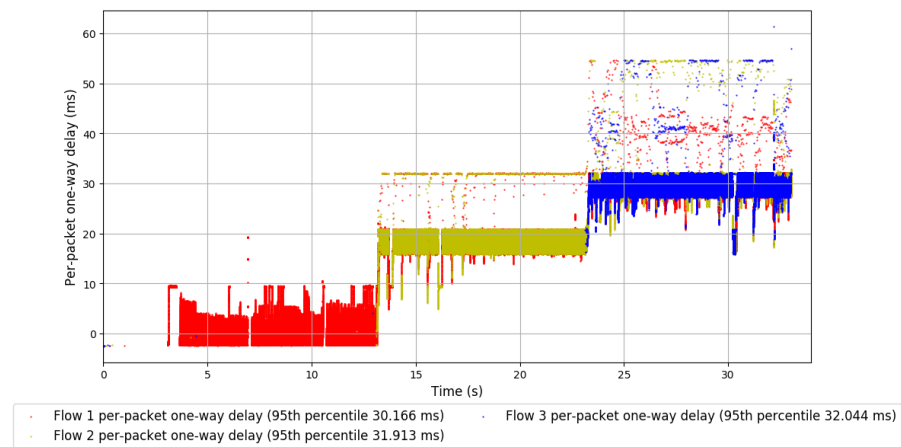
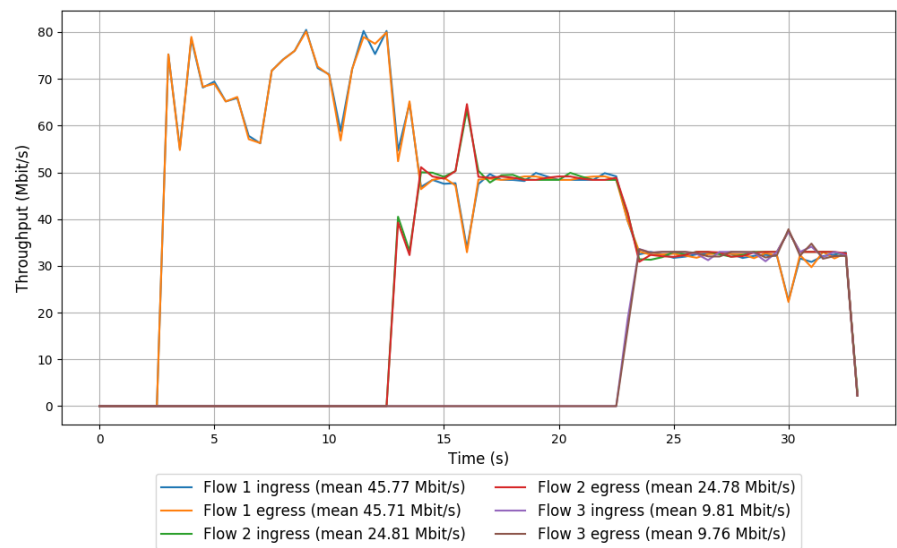
-- Flow 3:

Average throughput: 9.76 Mbit/s

95th percentile per-packet one-way delay: 32.044 ms

Loss rate: 0.46%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Tue, 04 Jul 2017 23:49:40 +0000

End at: Tue, 04 Jul 2017 23:50:10 +0000

Local clock offset: 0.498 ms

Remote clock offset: -2.505 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 81.37 Mbit/s

95th percentile per-packet one-way delay: 32.762 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 48.23 Mbit/s

95th percentile per-packet one-way delay: 31.053 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 25.91 Mbit/s

95th percentile per-packet one-way delay: 33.044 ms

Loss rate: 0.28%

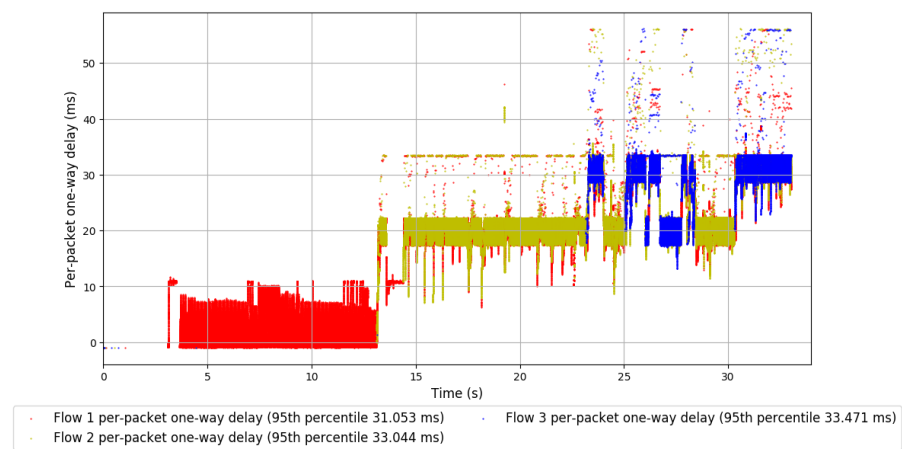
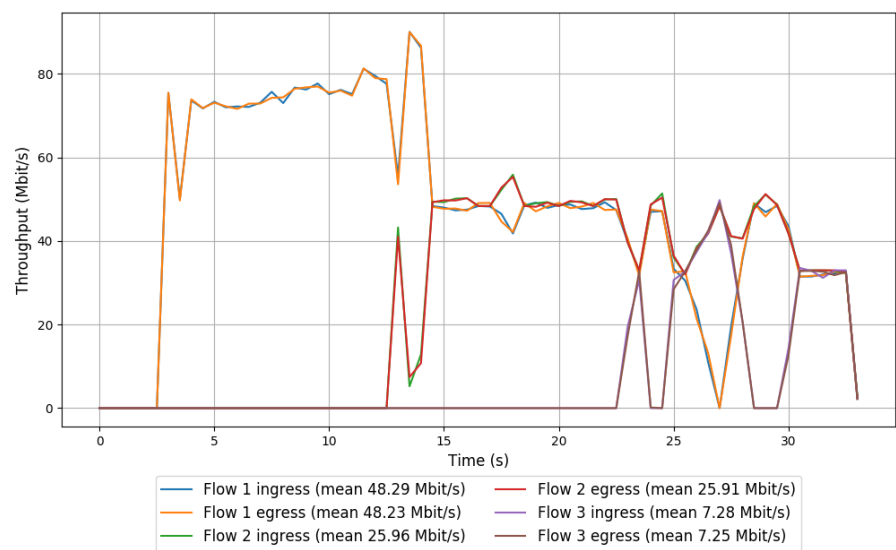
-- Flow 3:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 33.471 ms

Loss rate: 0.54%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

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

End at: Wed, 05 Jul 2017 00:07:16 +0000

Local clock offset: 0.326 ms

Remote clock offset: -1.328 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 83.21 Mbit/s

95th percentile per-packet one-way delay: 34.852 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 49.54 Mbit/s

95th percentile per-packet one-way delay: 34.446 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 25.08 Mbit/s

95th percentile per-packet one-way delay: 34.887 ms

Loss rate: 0.16%

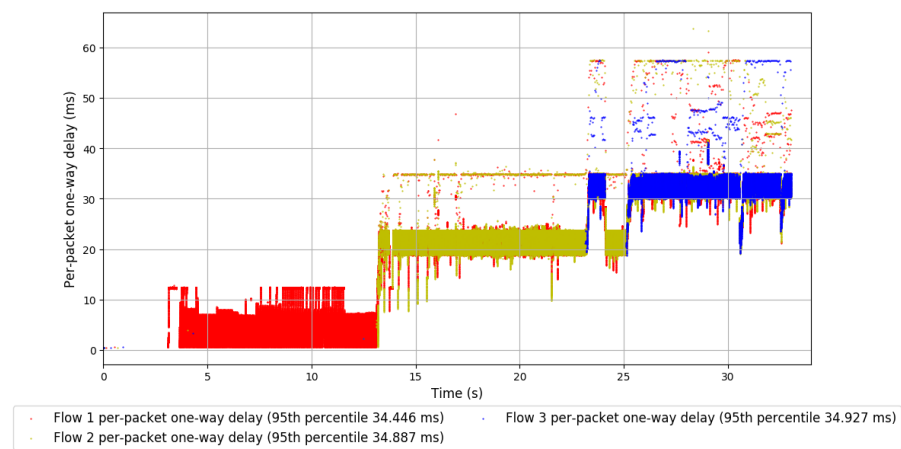
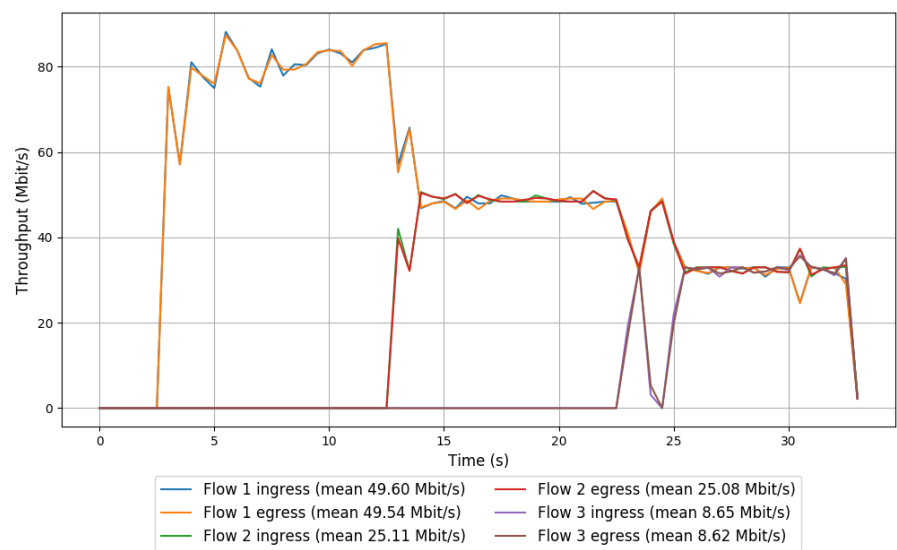
-- Flow 3:

Average throughput: 8.62 Mbit/s

95th percentile per-packet one-way delay: 34.927 ms

Loss rate: 0.45%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 21:42:38 +0000

End at: Tue, 04 Jul 2017 21:43:08 +0000

Local clock offset: -1.129 ms

Remote clock offset: -2.662 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 1.847 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 1.838 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 1.778 ms

Loss rate: 0.00%

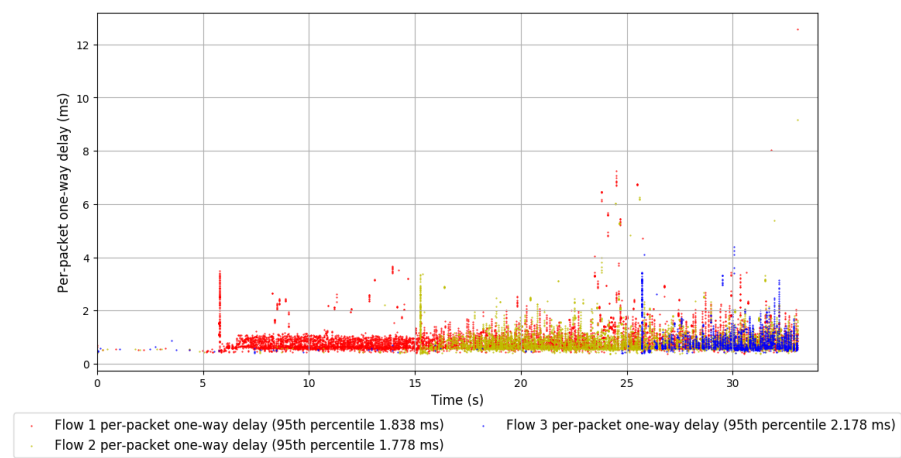
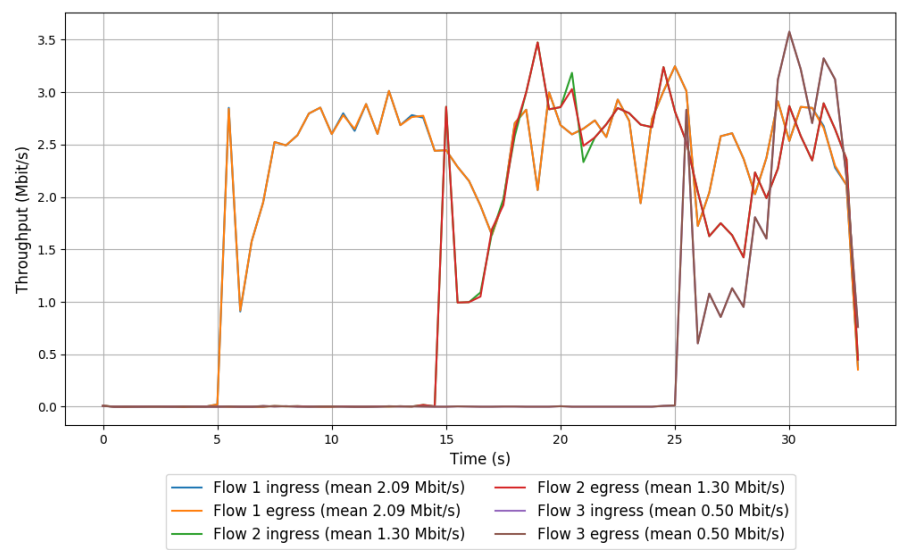
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 2.178 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 21:59:46 +0000

End at: Tue, 04 Jul 2017 22:00:16 +0000

Local clock offset: -0.702 ms

Remote clock offset: -3.233 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.88 Mbit/s

95th percentile per-packet one-way delay: 0.771 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 0.630 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 0.884 ms

Loss rate: 0.00%

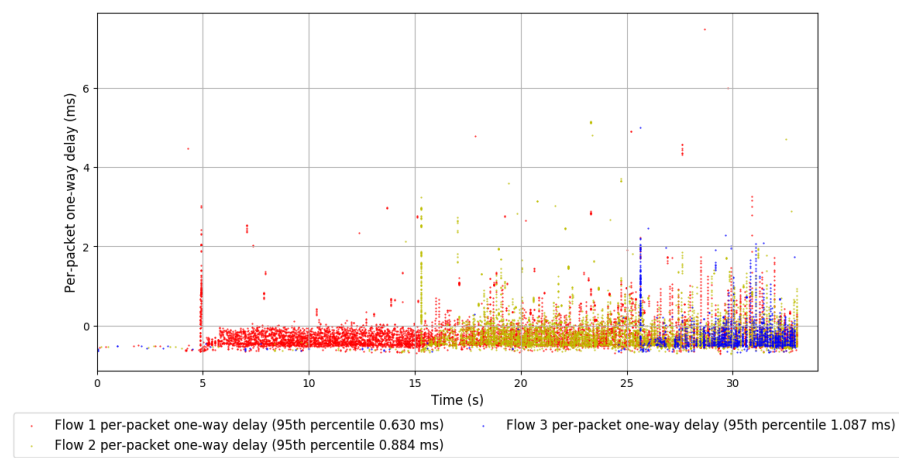
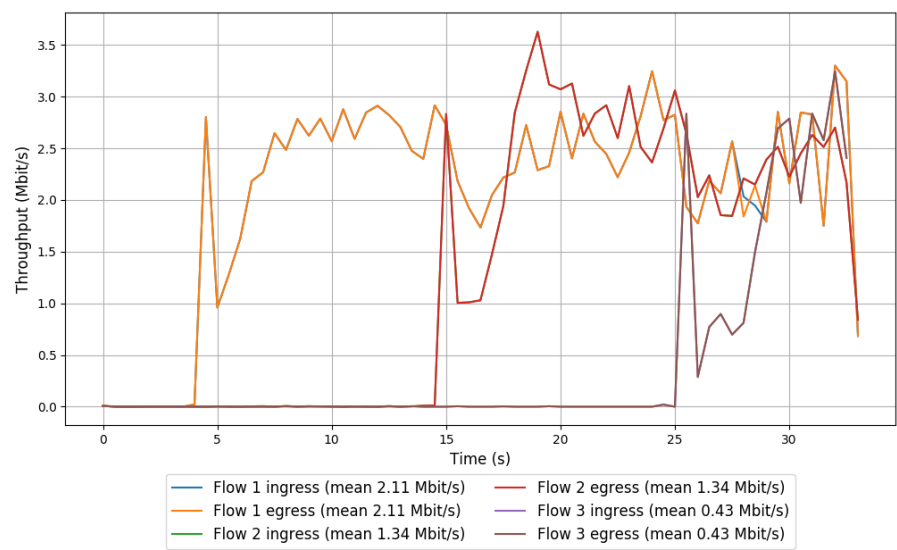
-- Flow 3:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 1.087 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 22:16:52 +0000

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

Local clock offset: -0.257 ms

Remote clock offset: -3.872 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: -0.121 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: -0.261 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 0.003 ms

Loss rate: 0.00%

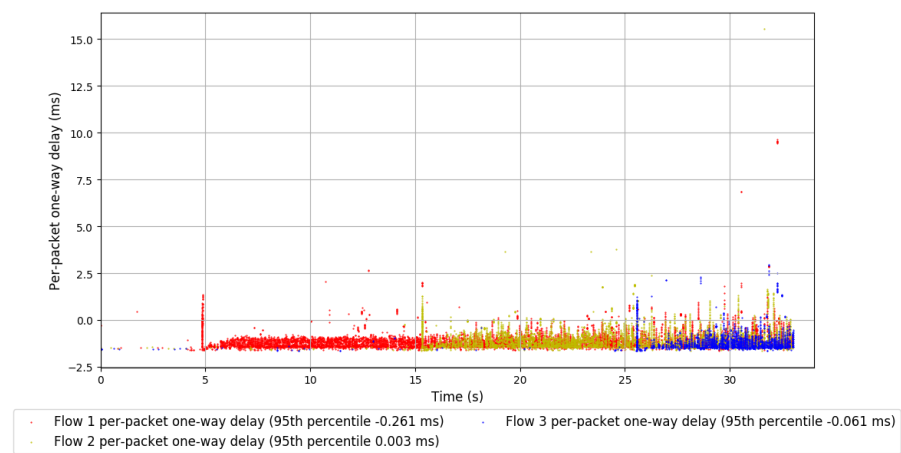
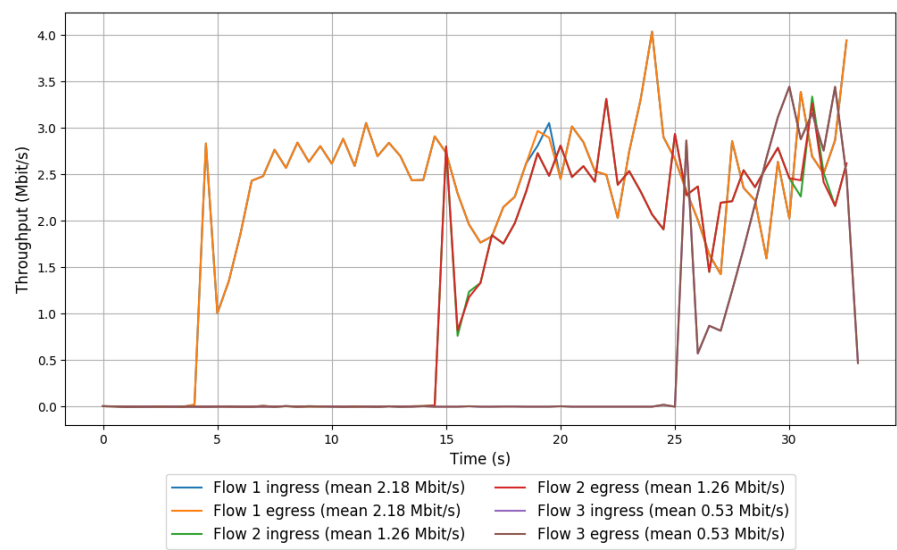
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: -0.061 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 22:34:00 +0000

End at: Tue, 04 Jul 2017 22:34:30 +0000

Local clock offset: 0.184 ms

Remote clock offset: -4.243 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: -1.185 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: -1.312 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: -1.081 ms

Loss rate: 0.00%

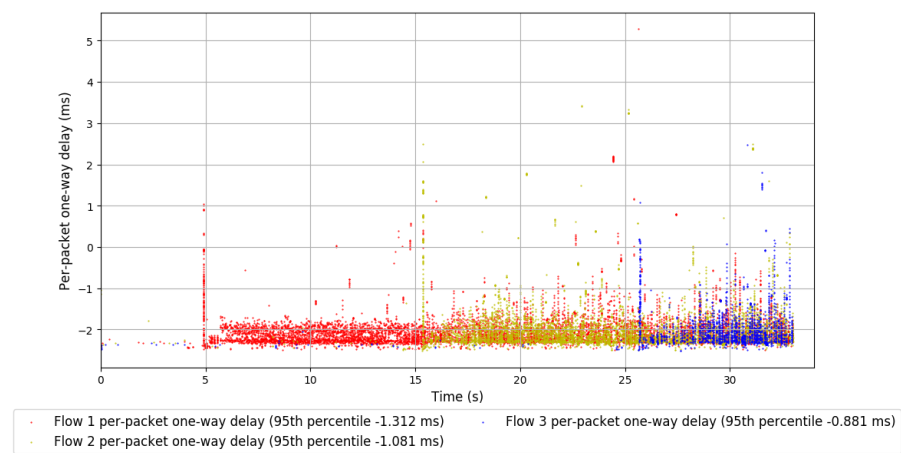
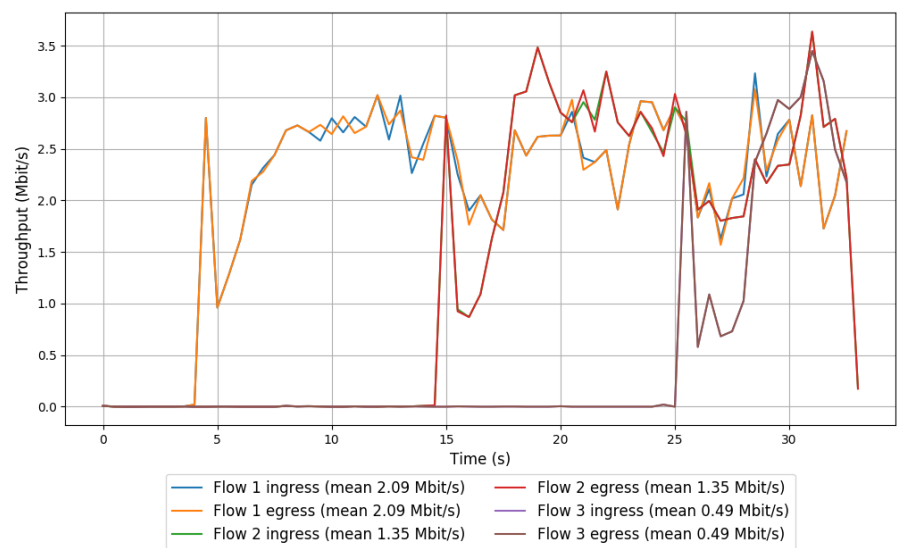
-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: -0.881 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 22:51:14 +0000

End at: Tue, 04 Jul 2017 22:51:44 +0000

Local clock offset: 0.411 ms

Remote clock offset: -4.846 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: -1.676 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: -1.853 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: -1.567 ms

Loss rate: 0.00%

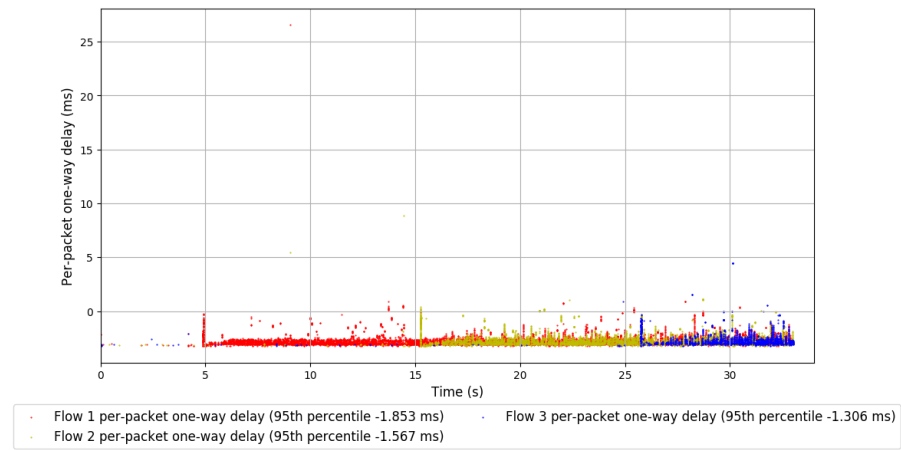
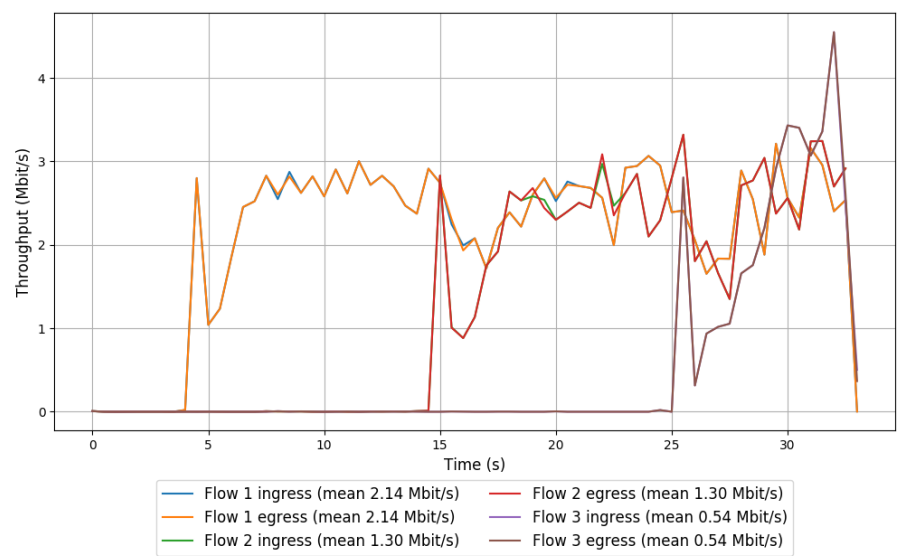
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: -1.306 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 23:08:20 +0000

End at: Tue, 04 Jul 2017 23:08:50 +0000

Local clock offset: 0.669 ms

Remote clock offset: -4.842 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.99 Mbit/s

95th percentile per-packet one-way delay: -2.095 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: -2.144 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: -2.055 ms

Loss rate: 0.31%

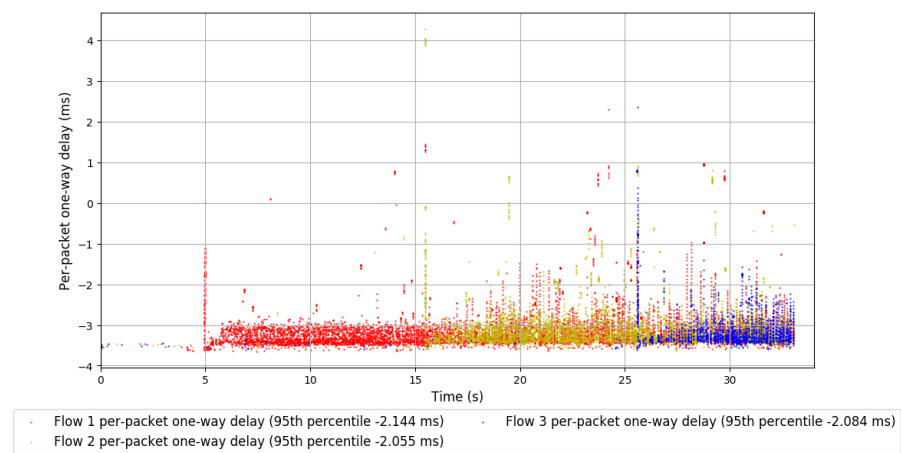
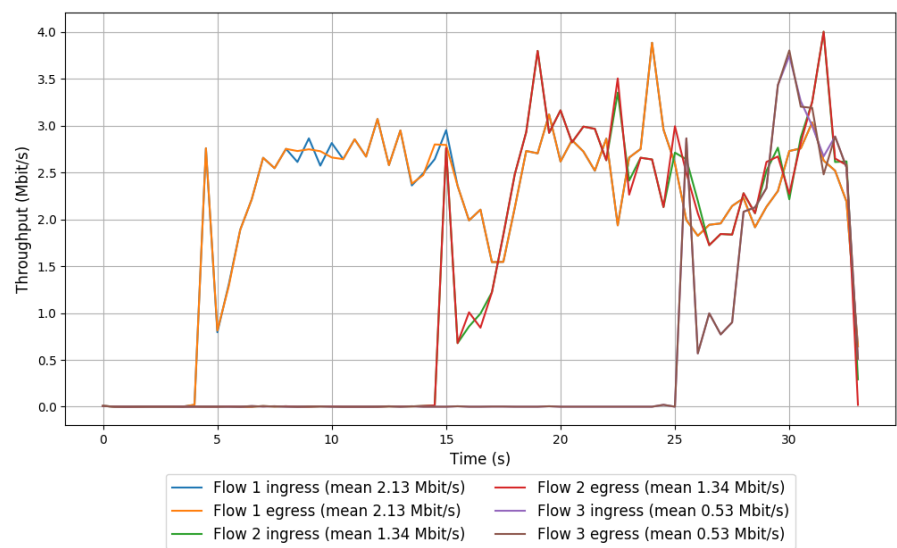
-- Flow 3:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: -2.084 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 23:25:34 +0000

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

Local clock offset: 0.619 ms

Remote clock offset: -4.284 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: -1.434 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: -1.595 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: -1.279 ms

Loss rate: 0.00%

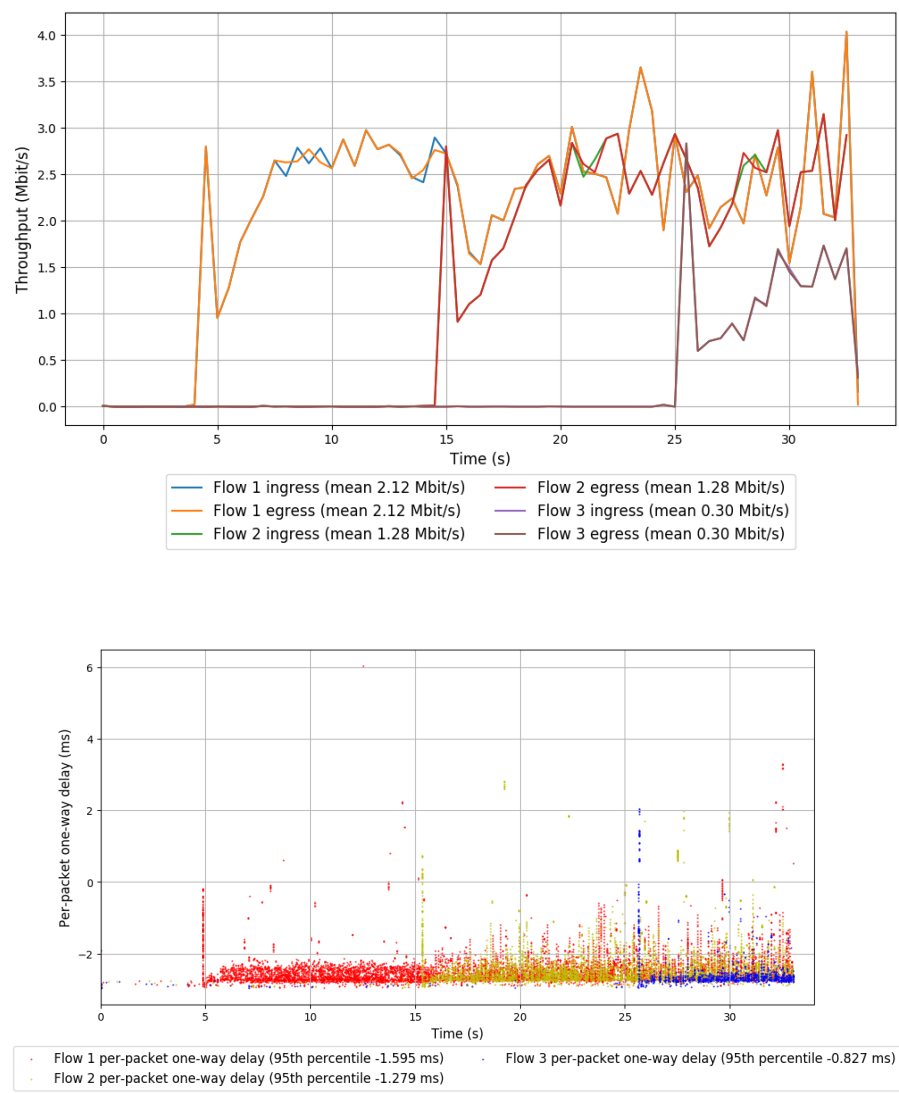
-- Flow 3:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: -0.827 ms

Loss rate: 0.20%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:42:48 +0000

End at: Tue, 04 Jul 2017 23:43:18 +0000

Local clock offset: 0.635 ms

Remote clock offset: -3.002 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: -0.289 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: -0.599 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 1.25 Mbit/s

95th percentile per-packet one-way delay: -0.108 ms

Loss rate: 0.17%

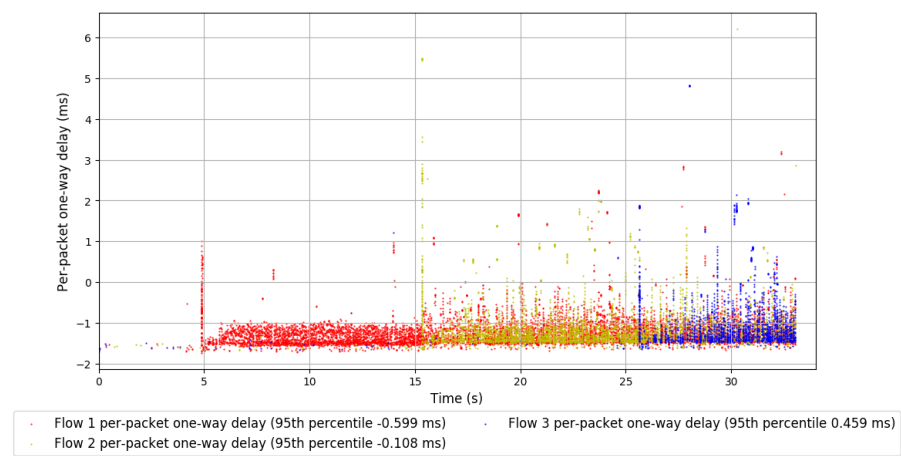
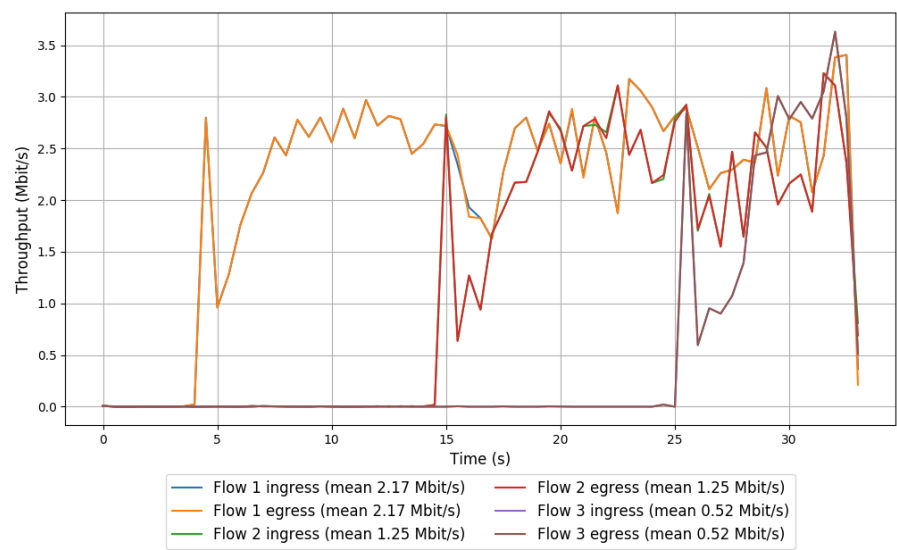
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 0.459 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 23:59:57 +0000

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

Local clock offset: 0.419 ms

Remote clock offset: -1.915 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 1.161 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 0.948 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 1.303 ms

Loss rate: 0.00%

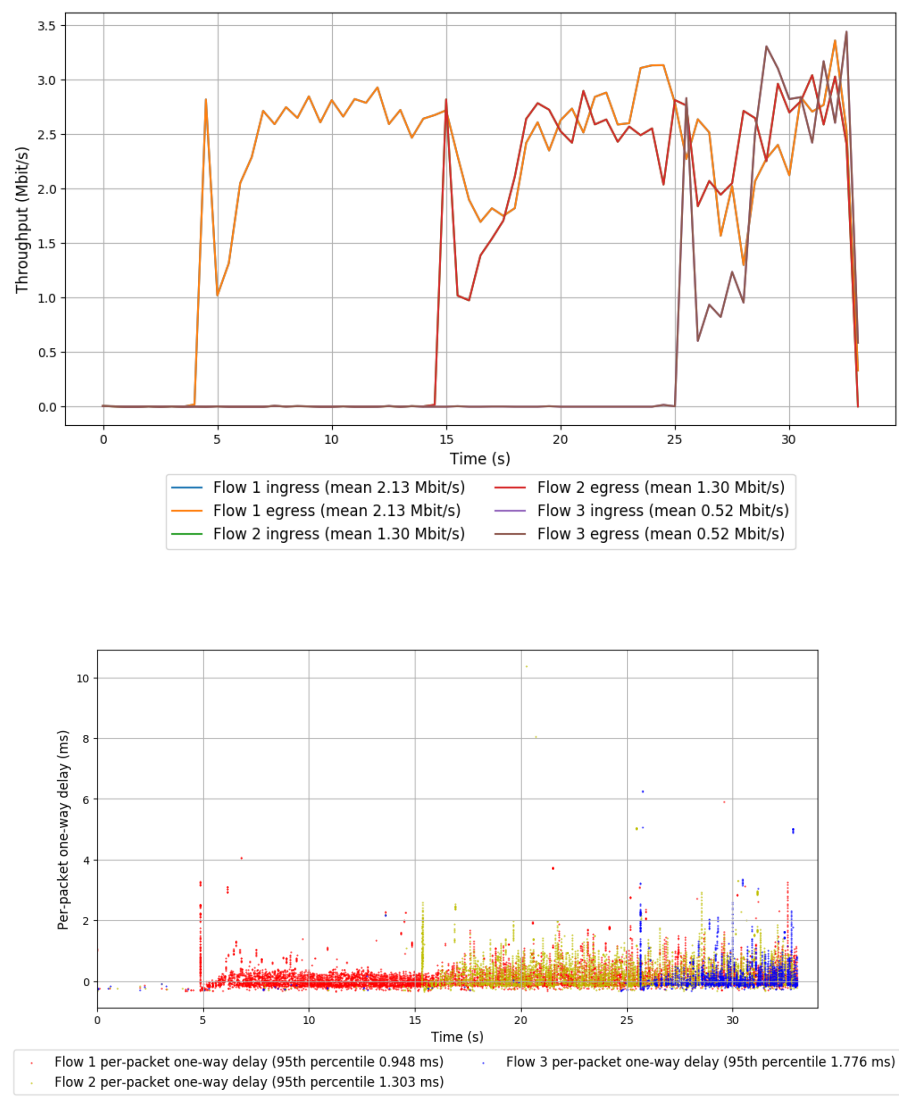
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 1.776 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 00:17:06 +0000

End at: Wed, 05 Jul 2017 00:17:36 +0000

Local clock offset: 0.224 ms

Remote clock offset: -0.263 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 3.053 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 2.956 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 3.108 ms

Loss rate: 0.09%

-- Flow 3:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 3.512 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

