

Pantheon Summary (Generated at Wed, 05 Jul 2017 01:33:58 +0000 with pantheon version afeabcbf9f0bccb7f5555428c3b5bcceec857e76)

Repeated the test of 15 congestion control schemes 10 times.

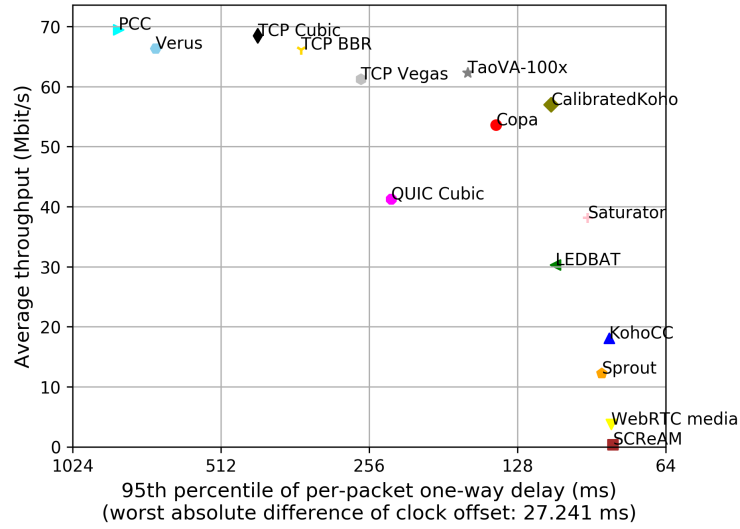
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

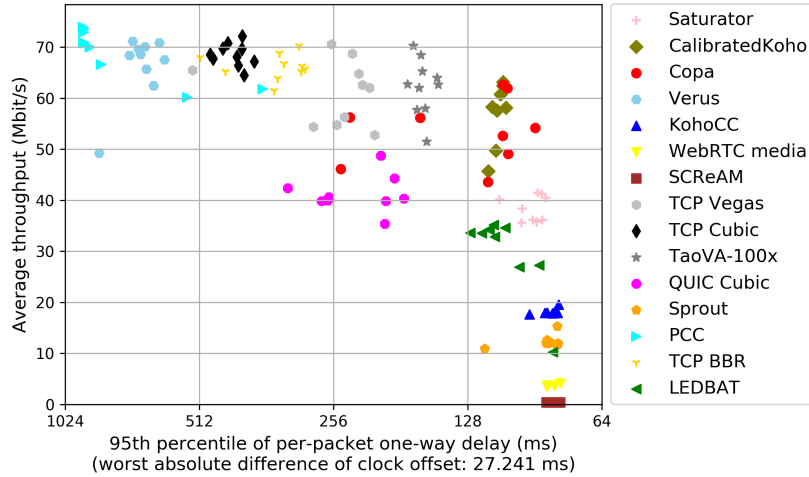
NTP offset measured against gps.ntp.br.

```
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
```

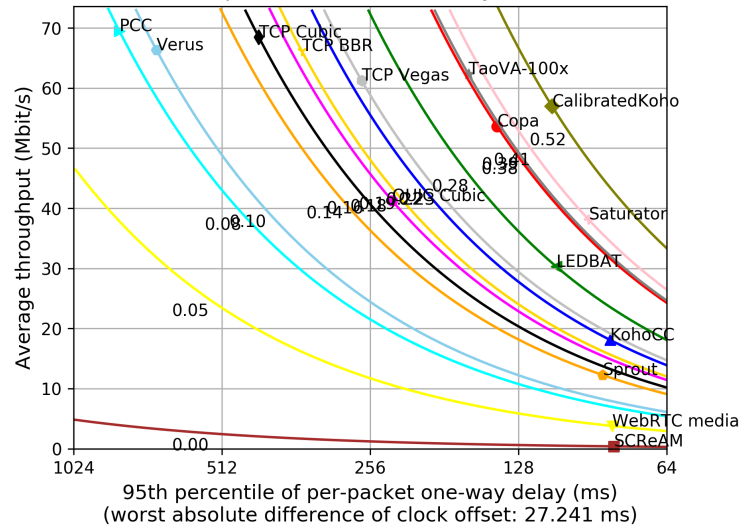
test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme
3 flows with 10s interval between flows (mean of all runs by scheme)



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



test from AWS Brazil 2 Ethernet to Colombia 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 18:44:42 +0000

End at: Tue, 04 Jul 2017 18:45:12 +0000

Local clock offset: 0.134 ms

Remote clock offset: -25.779 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:23:52 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.88 Mbit/s

95th percentile per-packet one-way delay: 341.420 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 41.79 Mbit/s

95th percentile per-packet one-way delay: 333.939 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 340.960 ms

Loss rate: 0.14%

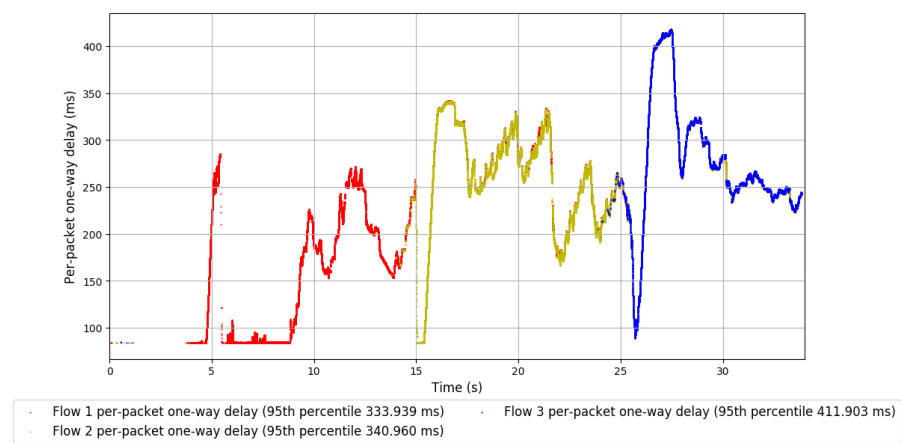
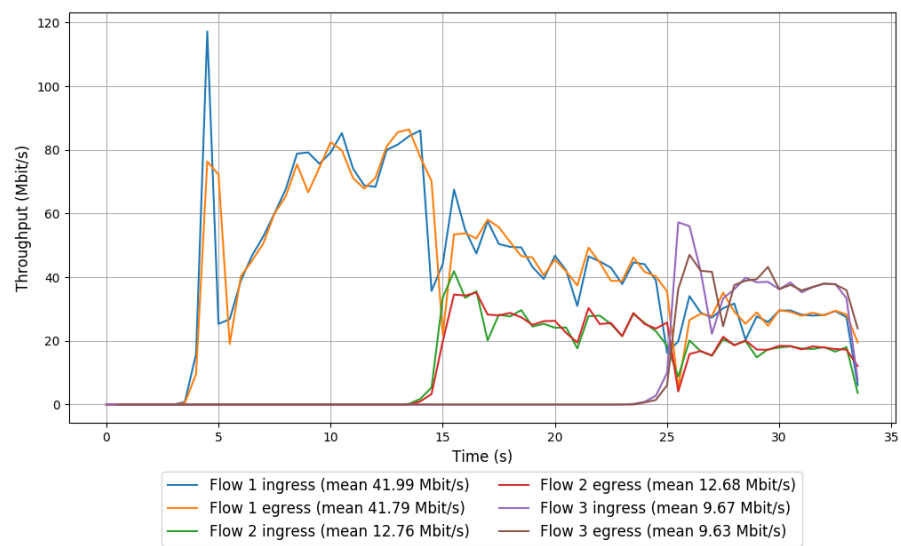
-- Flow 3:

Average throughput: 9.63 Mbit/s

95th percentile per-packet one-way delay: 411.903 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 19:03:21 +0000

End at: Tue, 04 Jul 2017 19:03:51 +0000

Local clock offset: 0.352 ms

Remote clock offset: -26.0 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:23:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.98 Mbit/s

95th percentile per-packet one-way delay: 509.962 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 37.76 Mbit/s

95th percentile per-packet one-way delay: 502.667 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 22.30 Mbit/s

95th percentile per-packet one-way delay: 529.465 ms

Loss rate: 0.00%

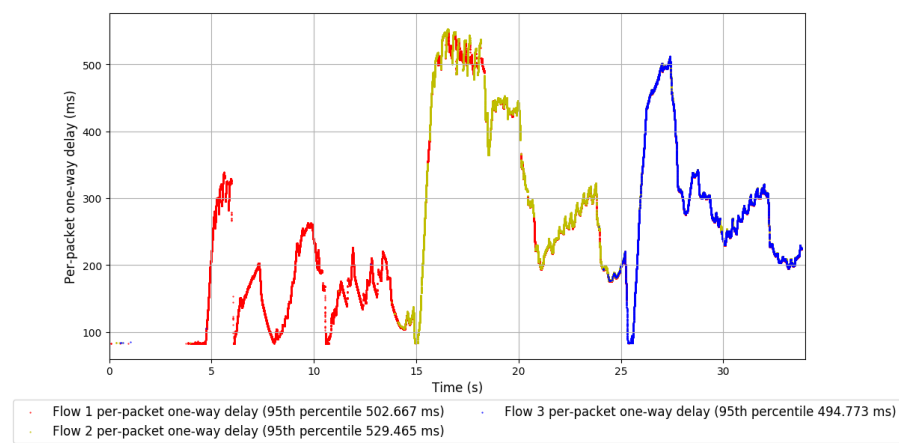
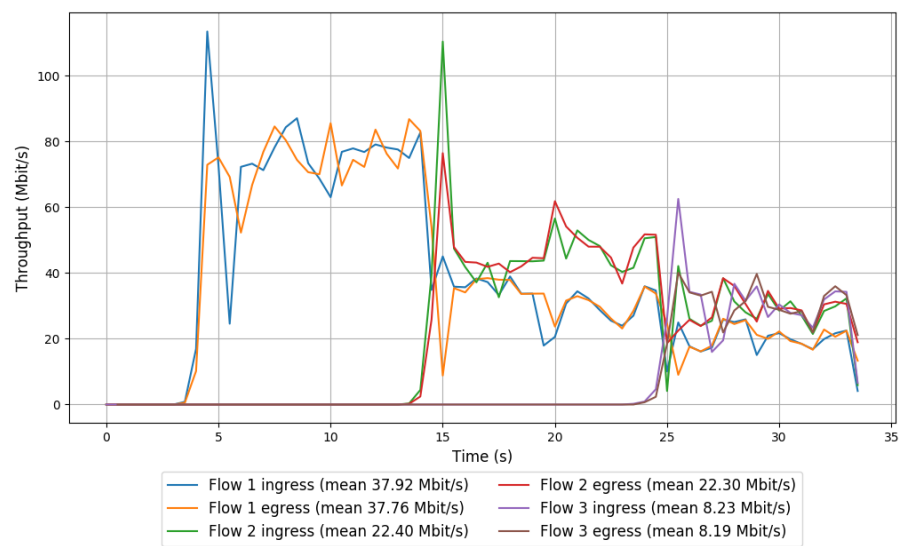
-- Flow 3:

Average throughput: 8.19 Mbit/s

95th percentile per-packet one-way delay: 494.773 ms

Loss rate: 0.01%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 19:22:10 +0000

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

Local clock offset: 0.44 ms

Remote clock offset: -26.532 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:24:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.29 Mbit/s

95th percentile per-packet one-way delay: 301.674 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 48.38 Mbit/s

95th percentile per-packet one-way delay: 300.559 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 12.10 Mbit/s

95th percentile per-packet one-way delay: 301.104 ms

Loss rate: 0.01%

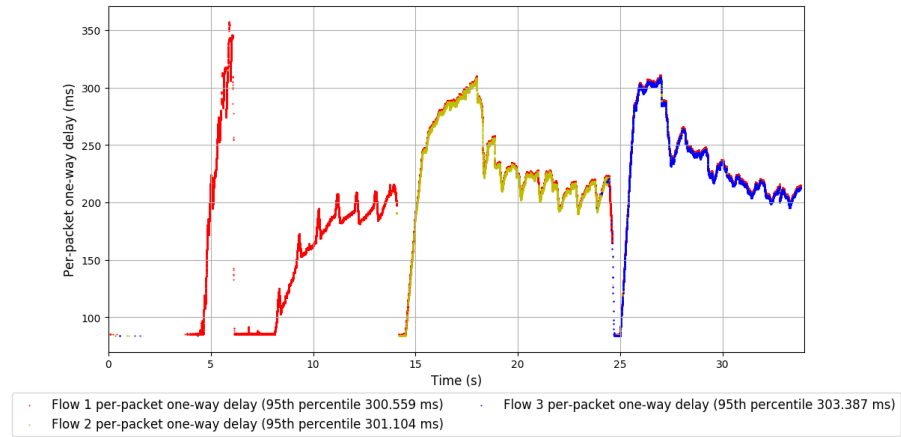
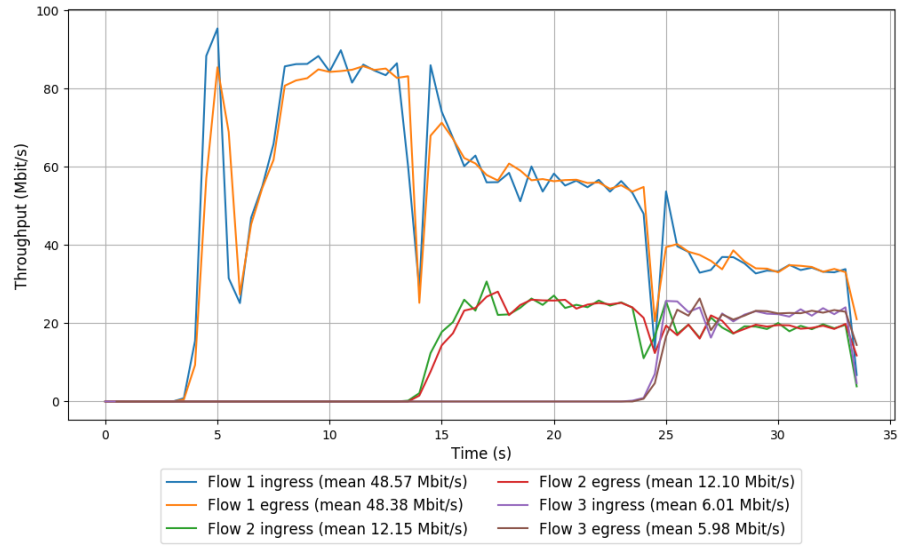
-- Flow 3:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 303.387 ms

Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 19:40:43 +0000

End at: Tue, 04 Jul 2017 19:41:13 +0000

Local clock offset: 0.48 ms

Remote clock offset: -24.72 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.77 Mbit/s

95th percentile per-packet one-way delay: 330.839 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 44.65 Mbit/s

95th percentile per-packet one-way delay: 326.297 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 13.68 Mbit/s

95th percentile per-packet one-way delay: 332.392 ms

Loss rate: 0.32%

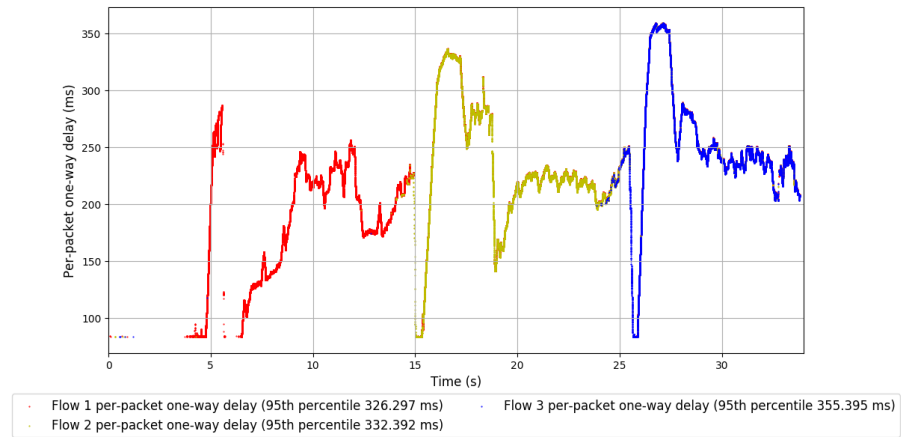
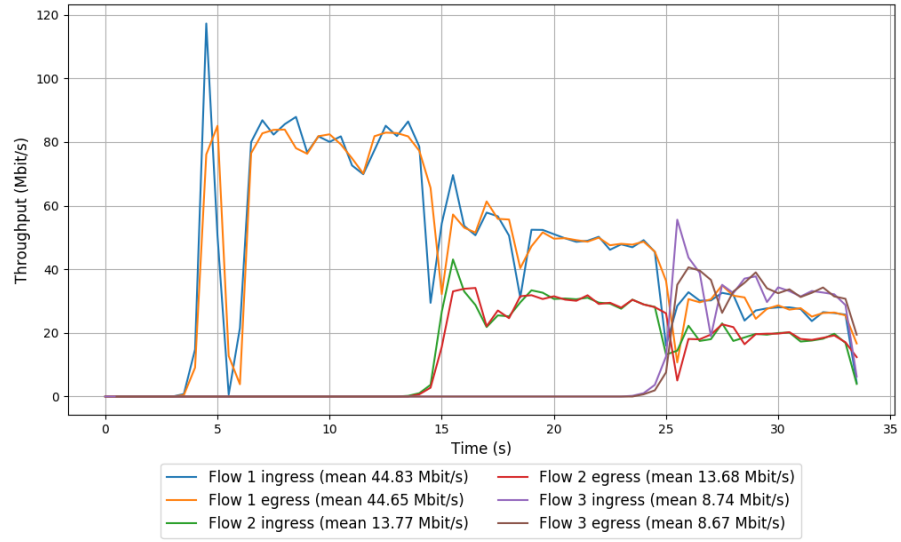
-- Flow 3:

Average throughput: 8.67 Mbit/s

95th percentile per-packet one-way delay: 355.395 ms

Loss rate: 0.42%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 19:59:15 +0000

End at: Tue, 04 Jul 2017 19:59:45 +0000

Local clock offset: 0.534 ms

Remote clock offset: -21.105 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:24:14 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.25 Mbit/s

95th percentile per-packet one-way delay: 447.878 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 35.65 Mbit/s

95th percentile per-packet one-way delay: 356.210 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 19.28 Mbit/s

95th percentile per-packet one-way delay: 456.388 ms

Loss rate: 0.13%

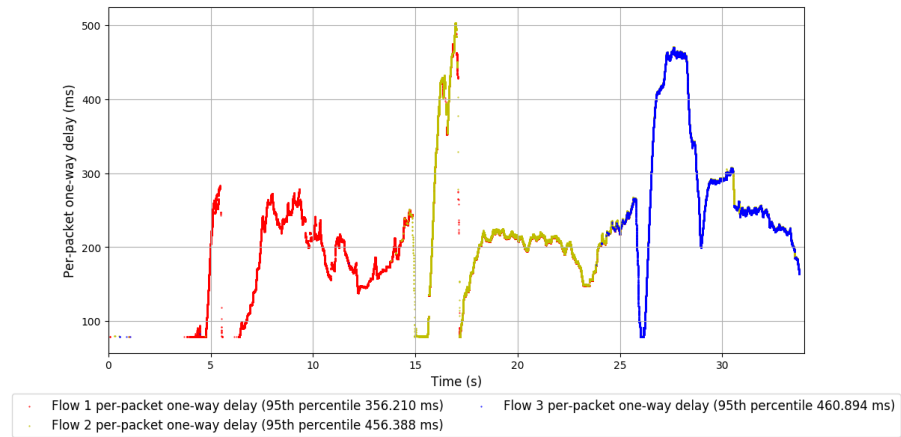
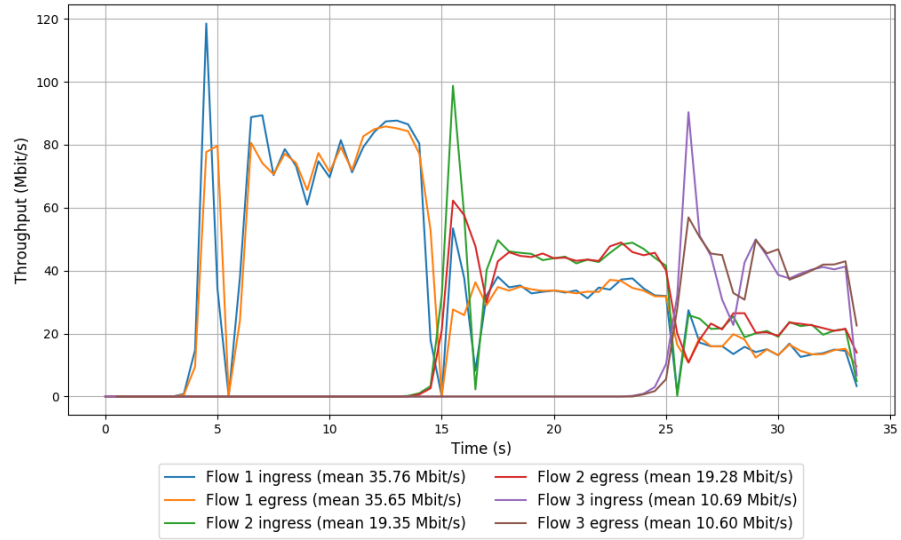
-- Flow 3:

Average throughput: 10.60 Mbit/s

95th percentile per-packet one-way delay: 460.894 ms

Loss rate: 0.57%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 20:17:52 +0000

End at: Tue, 04 Jul 2017 20:18:22 +0000

Local clock offset: 0.48 ms

Remote clock offset: -20.632 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:24:16 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.74 Mbit/s

95th percentile per-packet one-way delay: 296.502 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 296.160 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 10.36 Mbit/s

95th percentile per-packet one-way delay: 299.373 ms

Loss rate: 0.02%

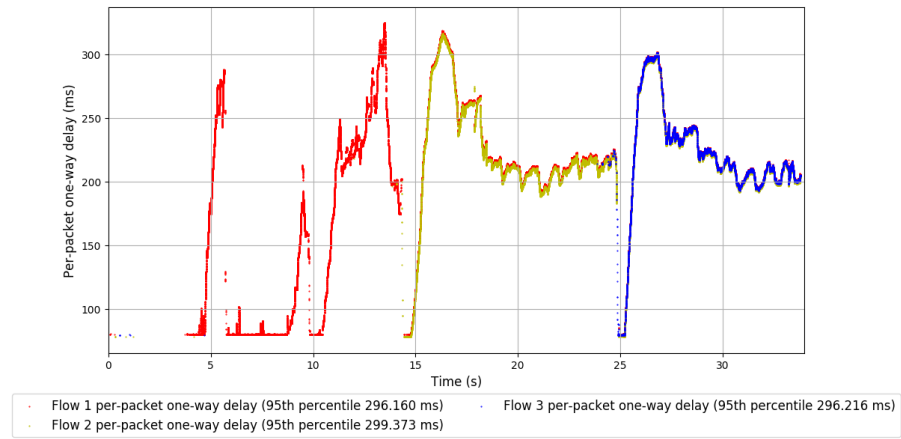
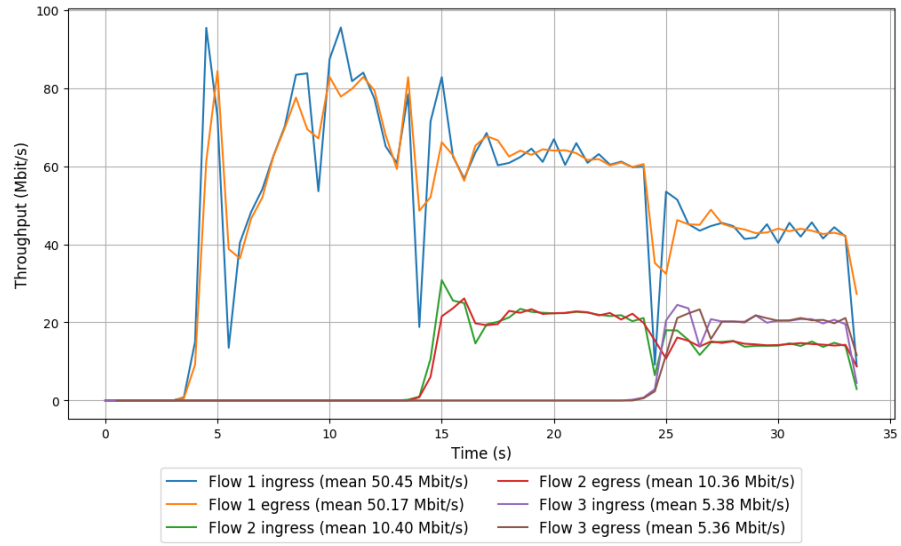
-- Flow 3:

Average throughput: 5.36 Mbit/s

95th percentile per-packet one-way delay: 296.216 ms

Loss rate: 0.08%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 20:36:18 +0000

End at: Tue, 04 Jul 2017 20:36:48 +0000

Local clock offset: 0.527 ms

Remote clock offset: -21.309 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:24:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.27 Mbit/s

95th percentile per-packet one-way delay: 306.152 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 53.72 Mbit/s

95th percentile per-packet one-way delay: 304.770 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 11.03 Mbit/s

95th percentile per-packet one-way delay: 318.125 ms

Loss rate: 0.01%

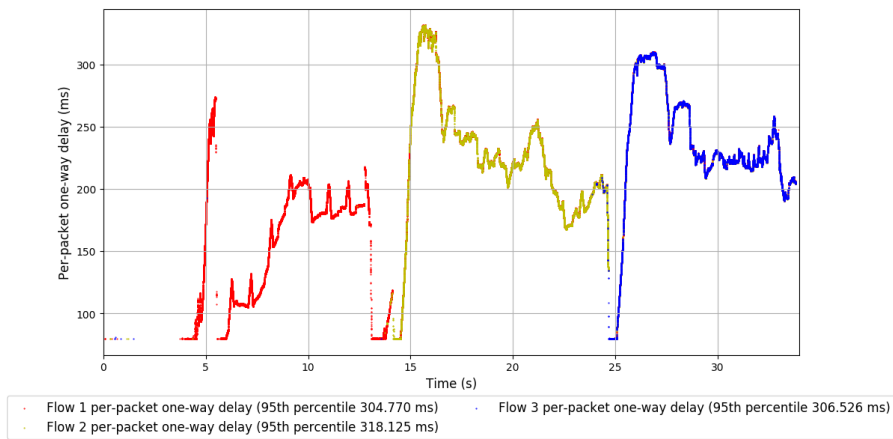
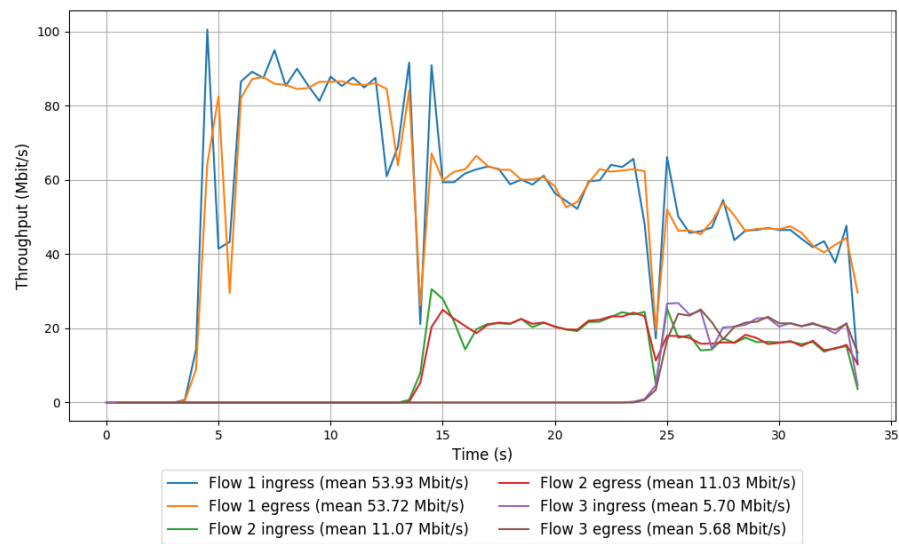
-- Flow 3:

Average throughput: 5.68 Mbit/s

95th percentile per-packet one-way delay: 306.526 ms

Loss rate: 0.03%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 20:54:50 +0000

End at: Tue, 04 Jul 2017 20:55:20 +0000

Local clock offset: 0.448 ms

Remote clock offset: -20.39 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.21 Mbit/s

95th percentile per-packet one-way delay: 302.564 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 49.96 Mbit/s

95th percentile per-packet one-way delay: 302.019 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 10.38 Mbit/s

95th percentile per-packet one-way delay: 310.104 ms

Loss rate: 0.04%

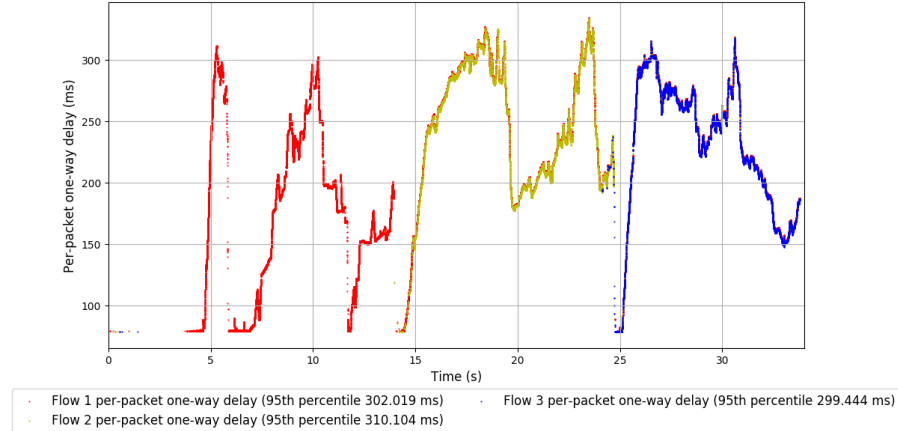
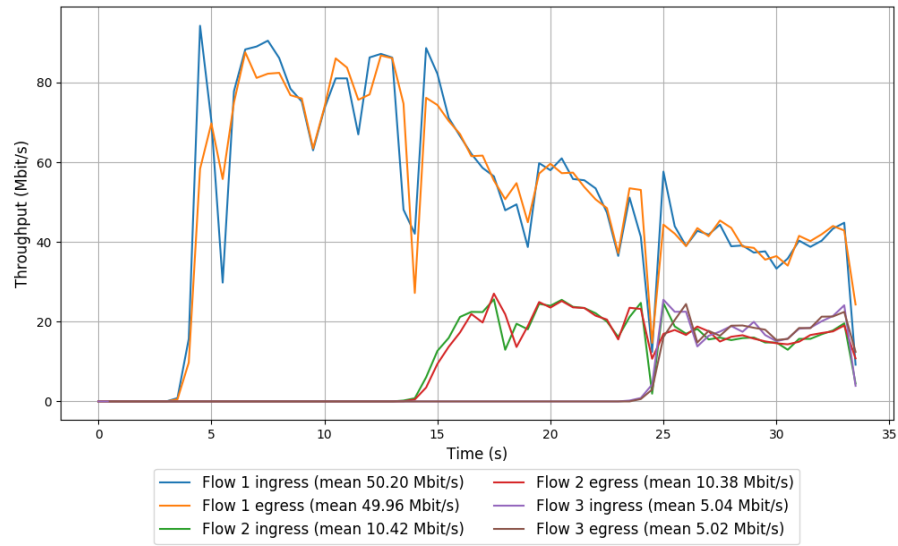
-- Flow 3:

Average throughput: 5.02 Mbit/s

95th percentile per-packet one-way delay: 299.444 ms

Loss rate: 0.09%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 21:13:23 +0000

End at: Tue, 04 Jul 2017 21:13:53 +0000

Local clock offset: 0.439 ms

Remote clock offset: -21.975 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:24:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.80 Mbit/s

95th percentile per-packet one-way delay: 338.495 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 48.19 Mbit/s

95th percentile per-packet one-way delay: 315.955 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 11.28 Mbit/s

95th percentile per-packet one-way delay: 338.486 ms

Loss rate: 0.03%

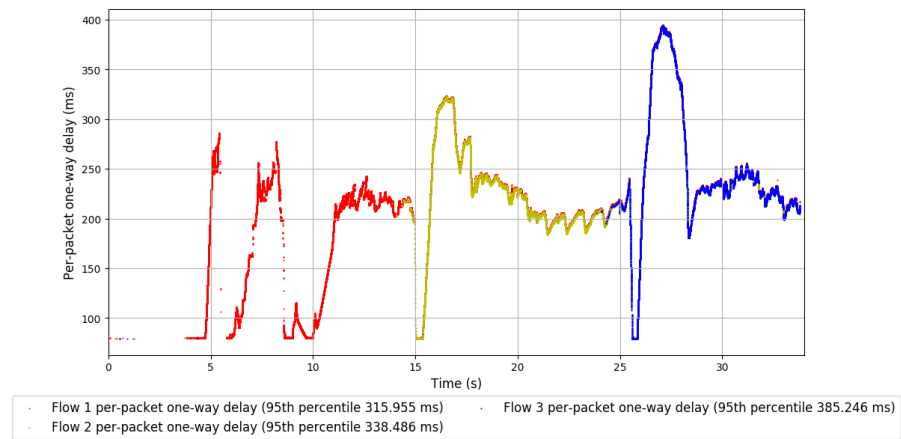
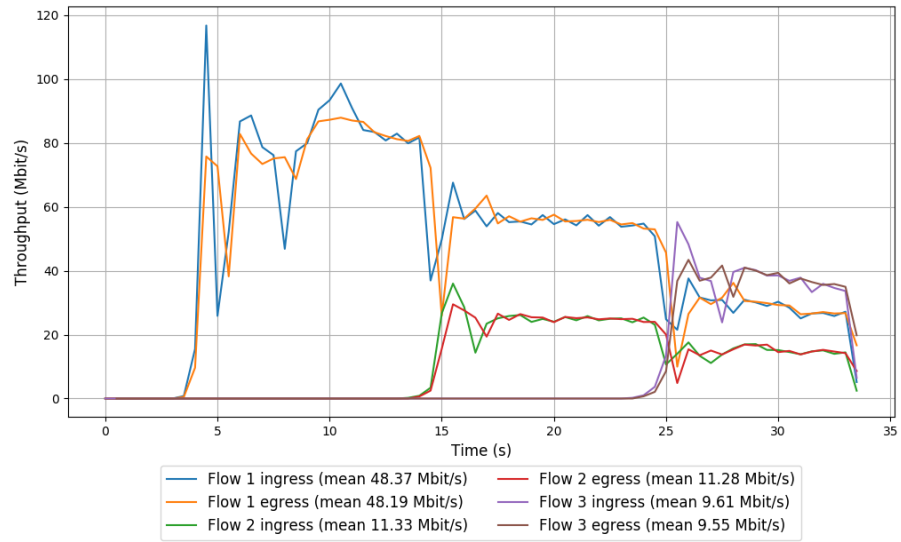
-- Flow 3:

Average throughput: 9.55 Mbit/s

95th percentile per-packet one-way delay: 385.246 ms

Loss rate: 0.26%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 21:31:52 +0000

End at: Tue, 04 Jul 2017 21:32:22 +0000

Local clock offset: 0.321 ms

Remote clock offset: -23.284 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:24:37 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.48 Mbit/s

95th percentile per-packet one-way delay: 348.099 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 42.10 Mbit/s

95th percentile per-packet one-way delay: 304.820 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 10.98 Mbit/s

95th percentile per-packet one-way delay: 348.242 ms

Loss rate: 0.04%

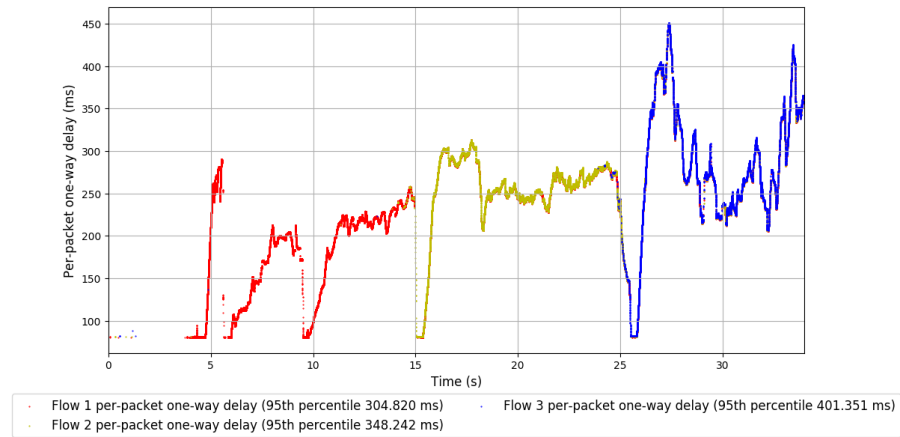
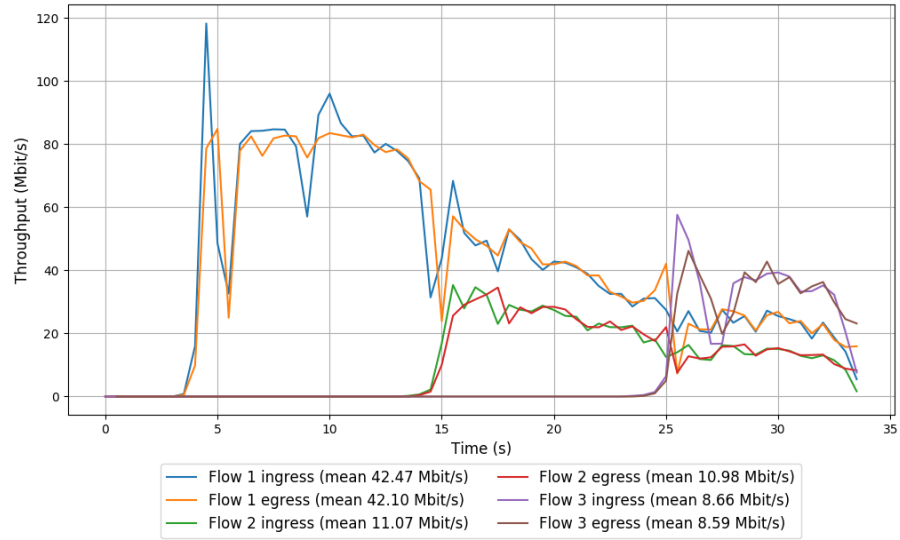
-- Flow 3:

Average throughput: 8.59 Mbit/s

95th percentile per-packet one-way delay: 401.351 ms

Loss rate: 0.02%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 18:54:35 +0000

End at: Tue, 04 Jul 2017 18:55:05 +0000

Local clock offset: 0.286 ms

Remote clock offset: -25.918 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:24:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.31 Mbit/s

95th percentile per-packet one-way delay: 112.825 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 56.35 Mbit/s

95th percentile per-packet one-way delay: 112.679 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 114.745 ms

Loss rate: 0.00%

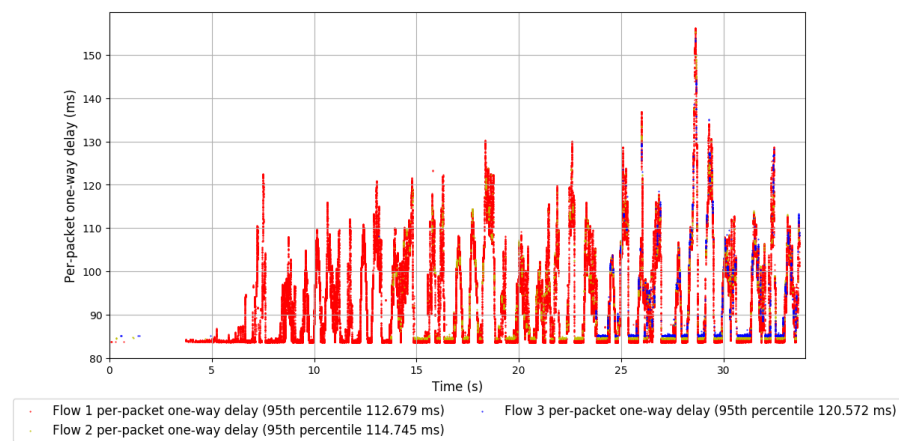
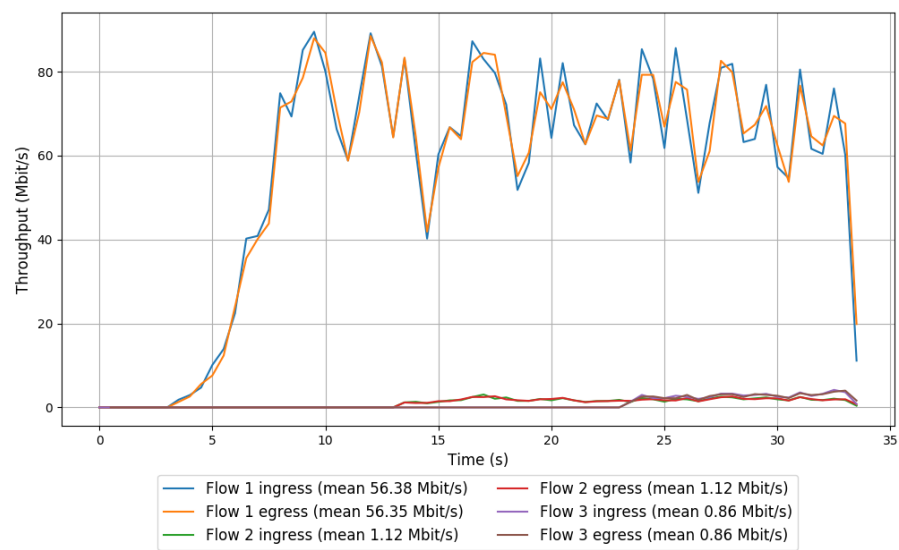
-- Flow 3:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 120.572 ms

Loss rate: 0.17%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:13:29 +0000

End at: Tue, 04 Jul 2017 19:13:59 +0000

Local clock offset: 0.467 ms

Remote clock offset: -26.554 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:24:46 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 45.74 Mbit/s

95th percentile per-packet one-way delay: 115.152 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 3448.607 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 45.27 Mbit/s

95th percentile per-packet one-way delay: 114.911 ms

Loss rate: 0.01%

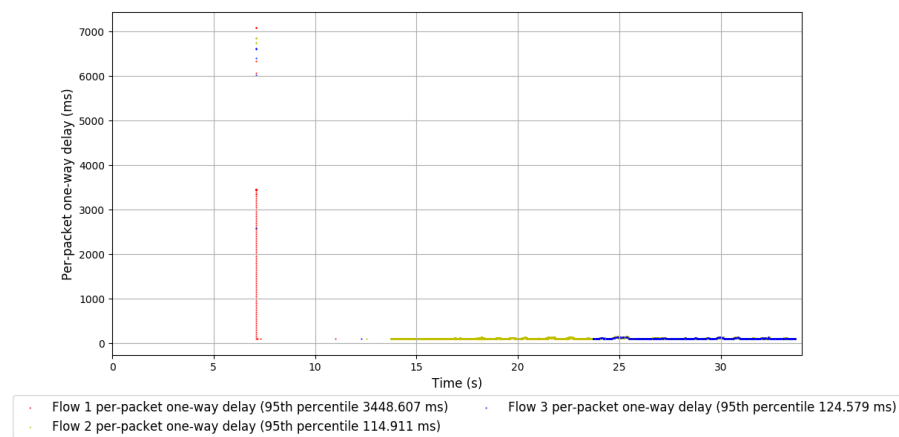
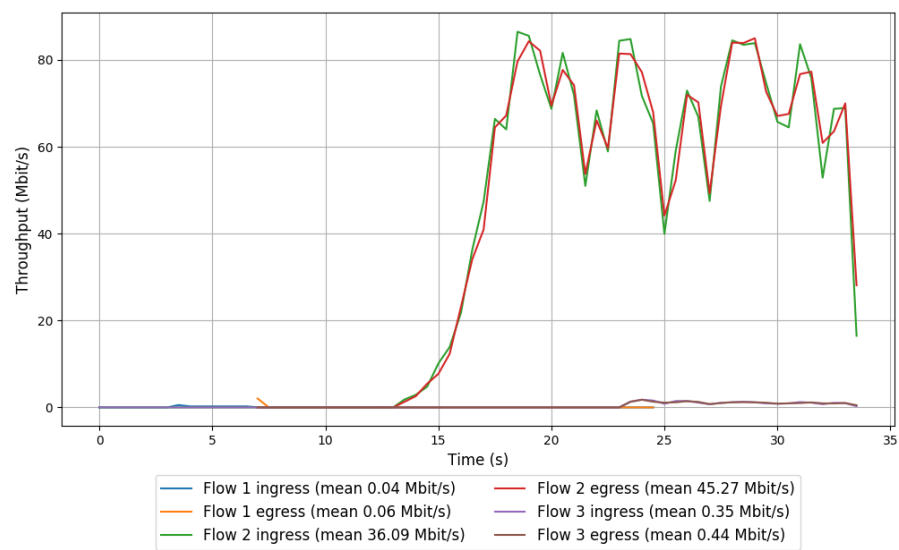
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 124.579 ms

Loss rate: 0.00%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:32:02 +0000

End at: Tue, 04 Jul 2017 19:32:32 +0000

Local clock offset: 0.399 ms

Remote clock offset: -26.343 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:24:49 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.76 Mbit/s

95th percentile per-packet one-way delay: 110.760 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 4102.855 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 48.94 Mbit/s

95th percentile per-packet one-way delay: 110.660 ms

Loss rate: 0.02%

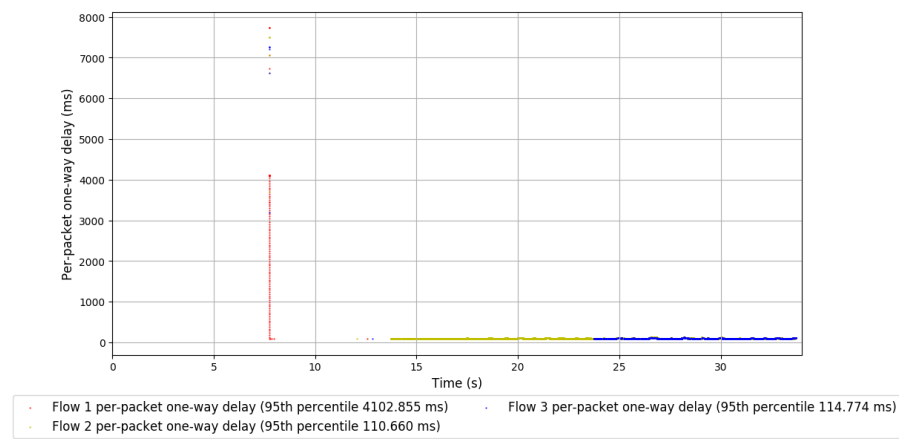
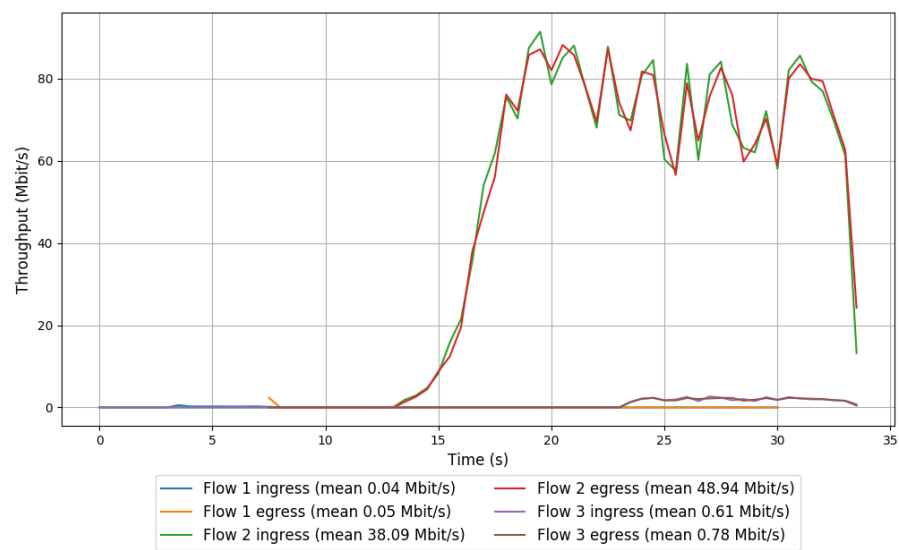
-- Flow 3:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 114.774 ms

Loss rate: 0.06%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 19:50:39 +0000

End at: Tue, 04 Jul 2017 19:51:09 +0000

Local clock offset: 0.49 ms

Remote clock offset: -22.755 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:24:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.79 Mbit/s

95th percentile per-packet one-way delay: 107.967 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 59.35 Mbit/s

95th percentile per-packet one-way delay: 107.969 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 0.86 Mbit/s

95th percentile per-packet one-way delay: 108.990 ms

Loss rate: 0.08%

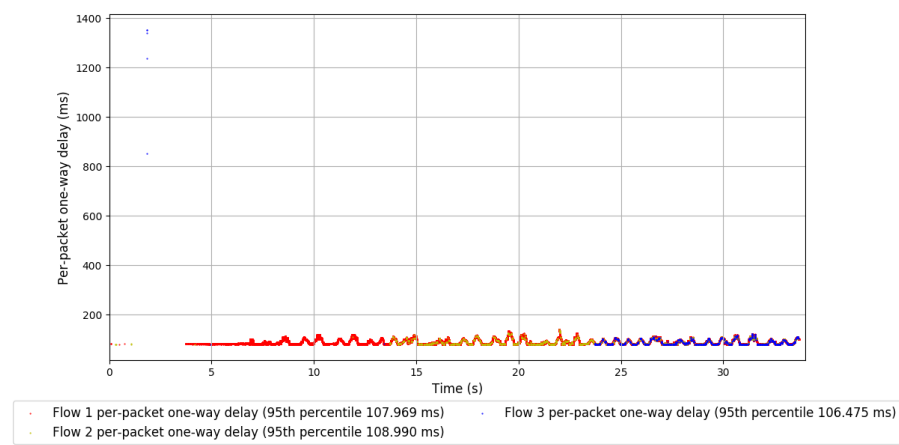
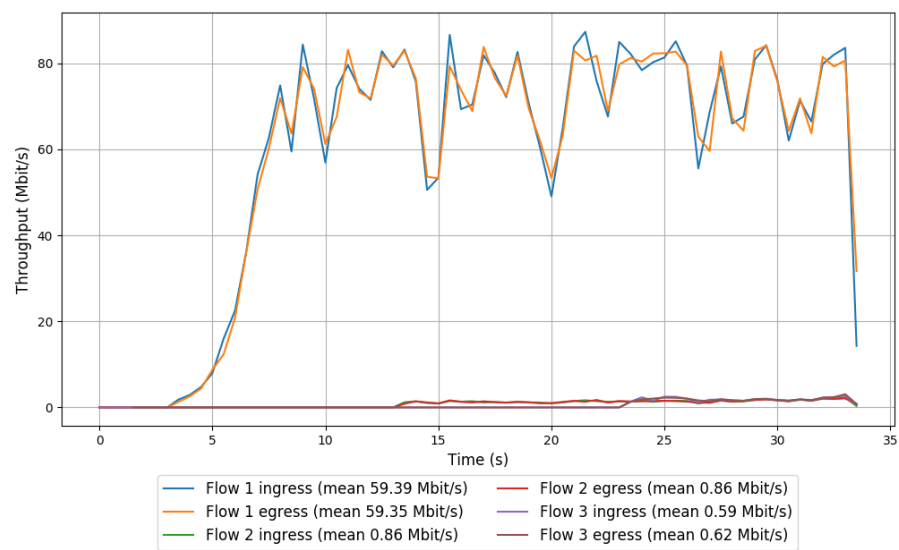
-- Flow 3:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 106.475 ms

Loss rate: 0.00%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 20:09:16 +0000

End at: Tue, 04 Jul 2017 20:09:46 +0000

Local clock offset: 0.55 ms

Remote clock offset: -20.704 ms

Run 5: Report of CalibratedKoho — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 20:27:44 +0000

End at: Tue, 04 Jul 2017 20:28:14 +0000

Local clock offset: 0.533 ms

Remote clock offset: -20.682 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:24:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 63.20 Mbit/s

95th percentile per-packet one-way delay: 106.721 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 60.98 Mbit/s

95th percentile per-packet one-way delay: 106.708 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 106.654 ms

Loss rate: 0.00%

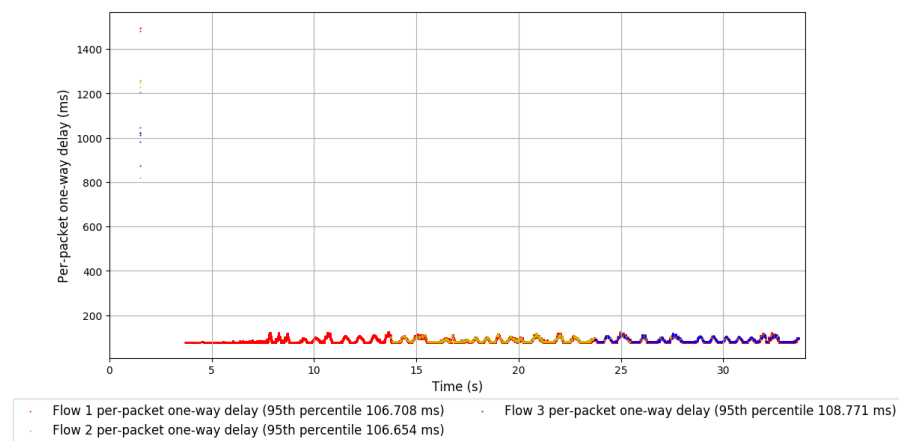
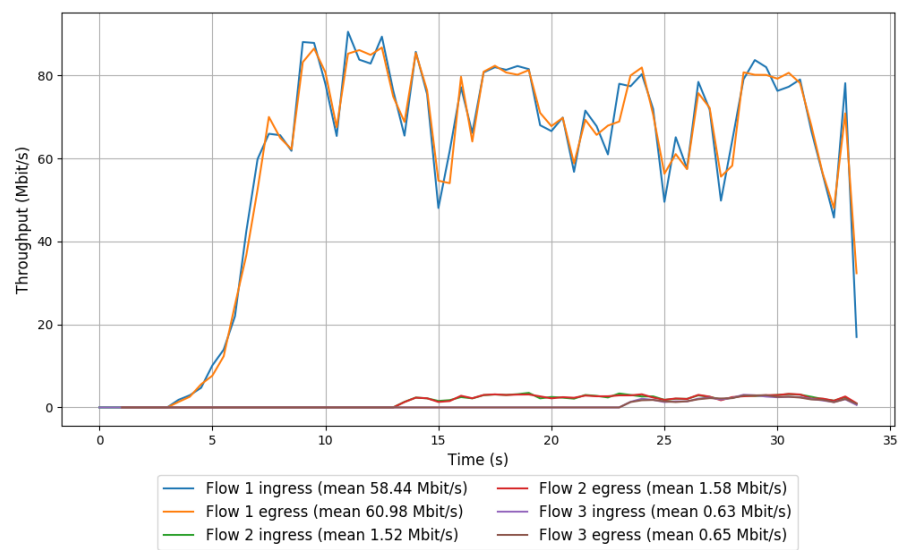
-- Flow 3:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 108.771 ms

Loss rate: 0.00%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 20:46:11 +0000

End at: Tue, 04 Jul 2017 20:46:41 +0000

Local clock offset: 0.484 ms

Remote clock offset: -20.586 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:25:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.45 Mbit/s

95th percentile per-packet one-way delay: 106.708 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 60.42 Mbit/s

95th percentile per-packet one-way delay: 106.695 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 107.903 ms

Loss rate: 0.00%

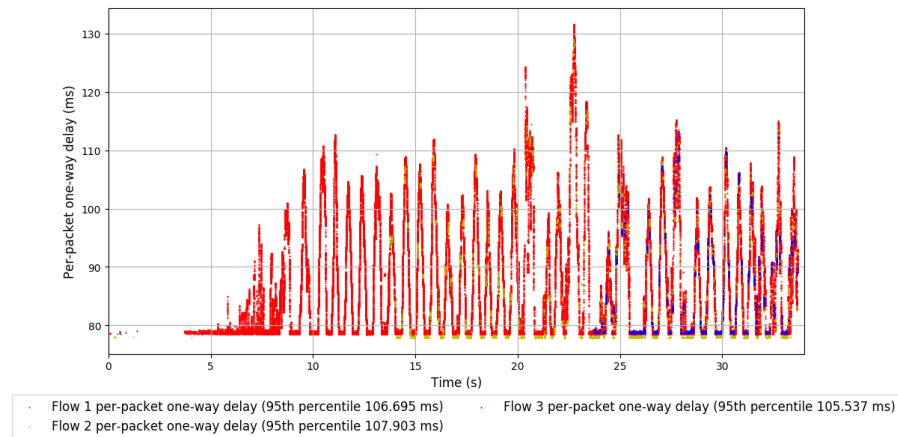
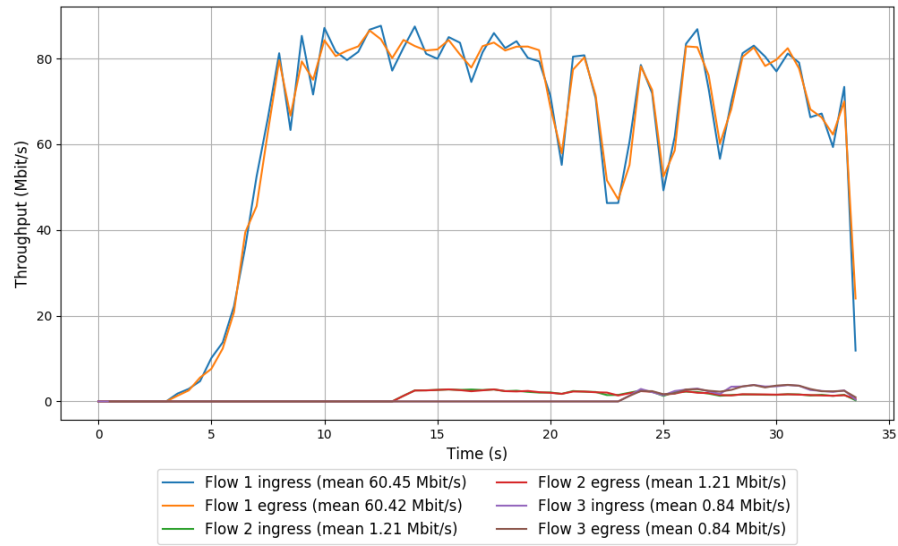
-- Flow 3:

Average throughput: 0.84 Mbit/s

95th percentile per-packet one-way delay: 105.537 ms

Loss rate: 0.00%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

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

End at: Tue, 04 Jul 2017 21:05:16 +0000

Local clock offset: 0.37 ms

Remote clock offset: -21.271 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:25:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 58.15 Mbit/s

95th percentile per-packet one-way delay: 105.102 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 56.91 Mbit/s

95th percentile per-packet one-way delay: 105.166 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 0.71 Mbit/s

95th percentile per-packet one-way delay: 102.624 ms

Loss rate: 0.00%

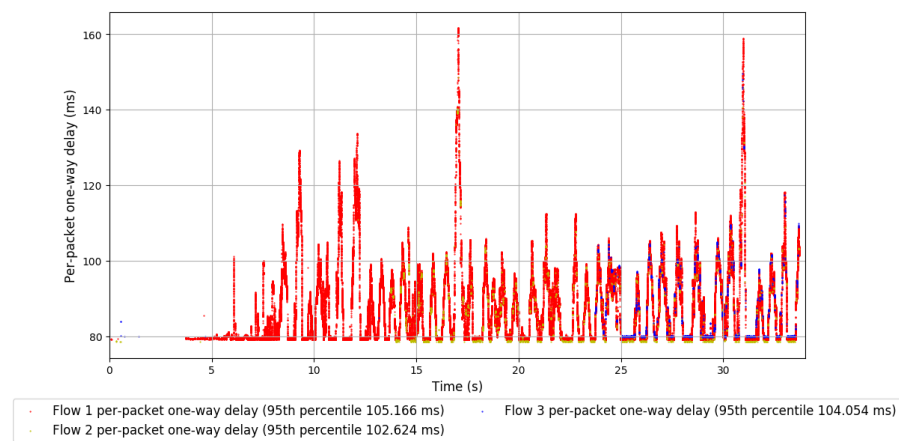
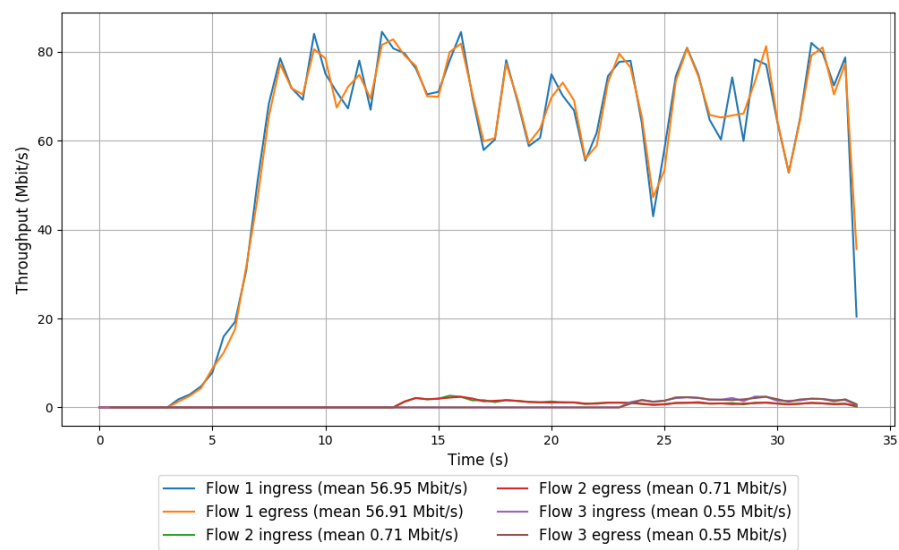
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 104.054 ms

Loss rate: 0.00%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

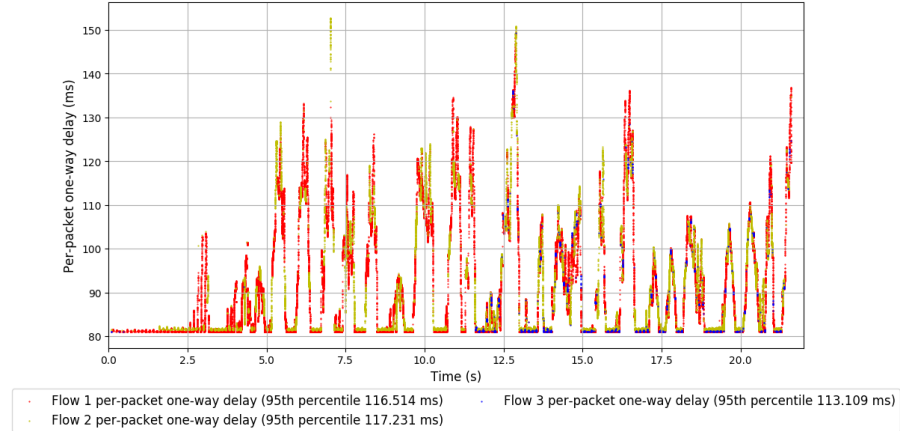
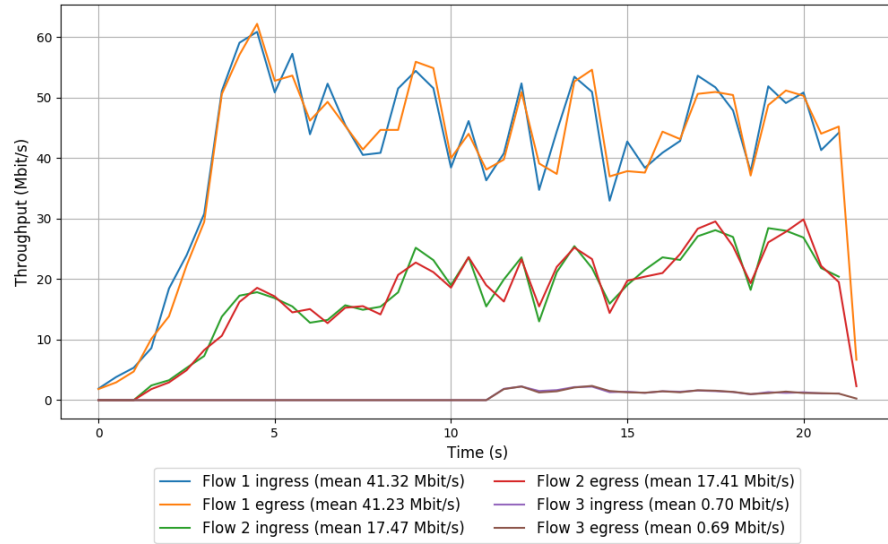
Start at: Tue, 04 Jul 2017 21:23:12 +0000

End at: Tue, 04 Jul 2017 21:23:42 +0000

Local clock offset: 0.319 ms

Remote clock offset: -23.238 ms

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 21:41:49 +0000

End at: Tue, 04 Jul 2017 21:42:19 +0000

Local clock offset: 0.251 ms

Remote clock offset: -23.593 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:25:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.62 Mbit/s

95th percentile per-packet one-way delay: 110.128 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 54.98 Mbit/s

95th percentile per-packet one-way delay: 110.145 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 110.186 ms

Loss rate: 0.00%

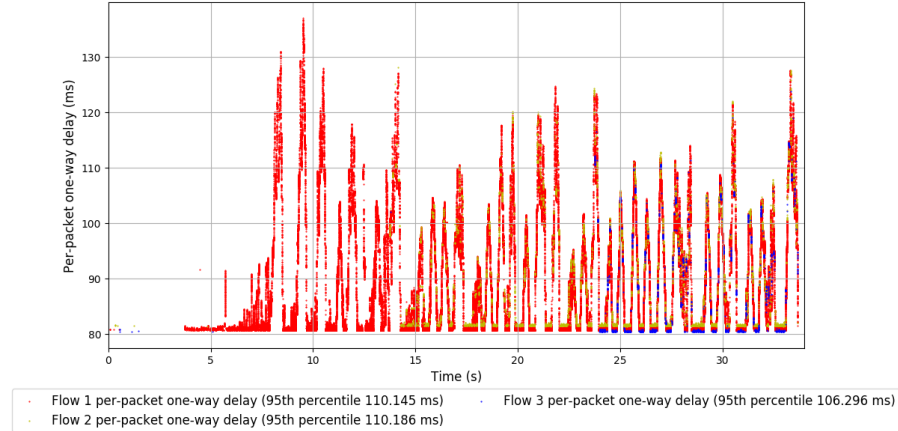
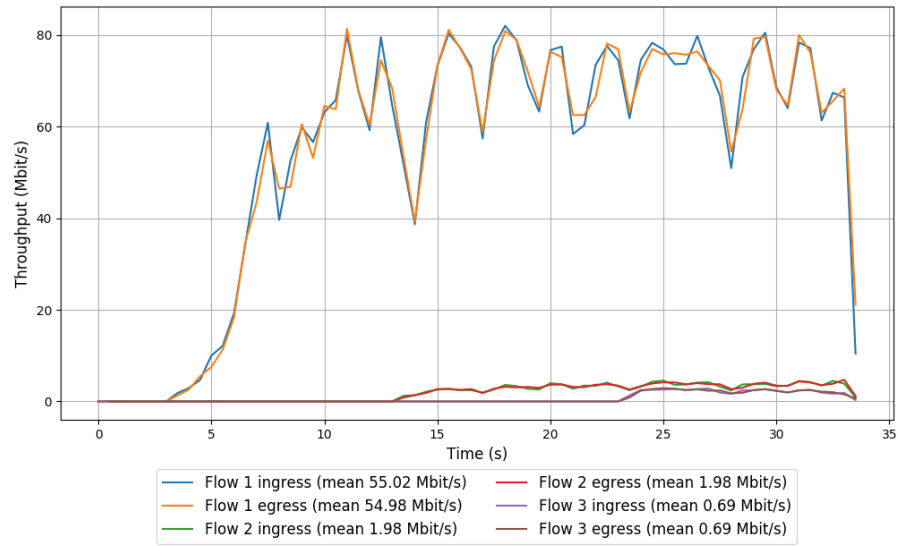
-- Flow 3:

Average throughput: 0.69 Mbit/s

95th percentile per-packet one-way delay: 106.296 ms

Loss rate: 0.00%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Tue, 04 Jul 2017 18:47:09 +0000

End at: Tue, 04 Jul 2017 18:47:39 +0000

Local clock offset: 0.09 ms

Remote clock offset: -26.162 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:25:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.27 Mbit/s

95th percentile per-packet one-way delay: 235.216 ms

Loss rate: 0.45%

-- Flow 1:

Average throughput: 37.41 Mbit/s

95th percentile per-packet one-way delay: 259.511 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 15.23 Mbit/s

95th percentile per-packet one-way delay: 101.432 ms

Loss rate: 0.04%

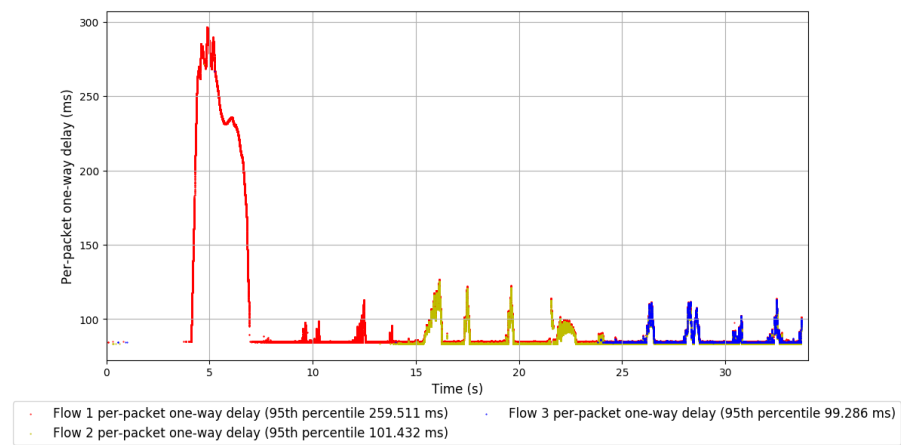
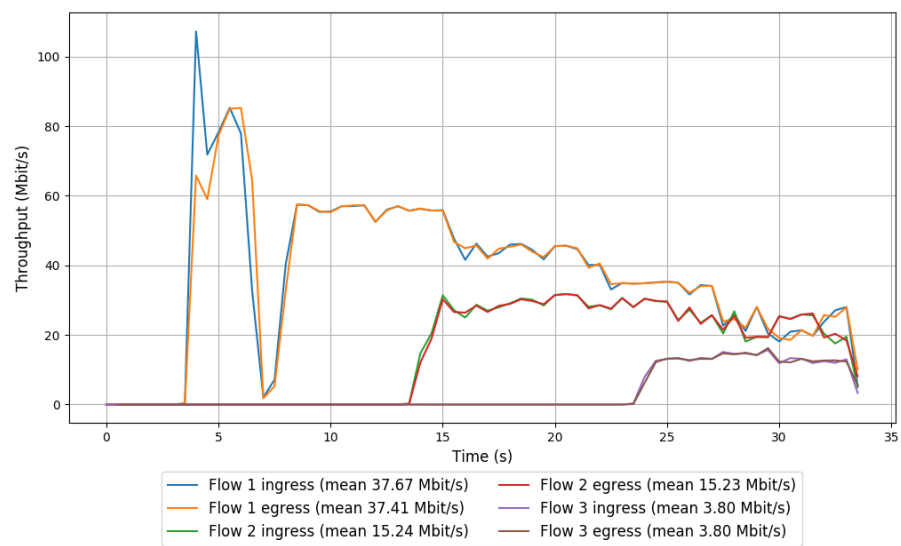
-- Flow 3:

Average throughput: 3.80 Mbit/s

95th percentile per-packet one-way delay: 99.286 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Tue, 04 Jul 2017 19:05:57 +0000

End at: Tue, 04 Jul 2017 19:06:27 +0000

Local clock offset: 0.358 ms

Remote clock offset: -26.287 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:25:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.20 Mbit/s

95th percentile per-packet one-way delay: 90.311 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 34.62 Mbit/s

95th percentile per-packet one-way delay: 88.987 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 15.78 Mbit/s

95th percentile per-packet one-way delay: 89.881 ms

Loss rate: 0.28%

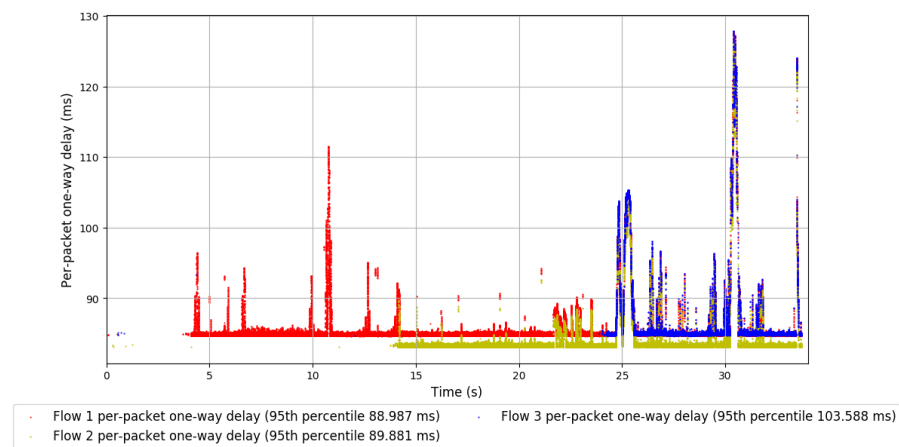
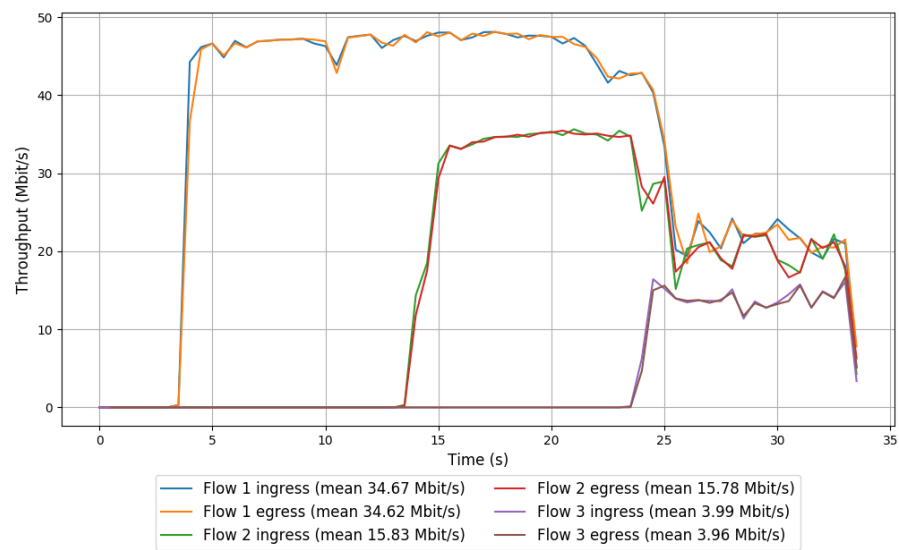
-- Flow 3:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 103.588 ms

Loss rate: 0.71%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Tue, 04 Jul 2017 19:24:39 +0000

End at: Tue, 04 Jul 2017 19:25:09 +0000

Local clock offset: 0.436 ms

Remote clock offset: -26.805 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 46.15 Mbit/s

95th percentile per-packet one-way delay: 246.530 ms

Loss rate: 1.14%

-- Flow 1:

Average throughput: 28.45 Mbit/s

95th percentile per-packet one-way delay: 254.706 ms

Loss rate: 1.83%

-- Flow 2:

Average throughput: 16.35 Mbit/s

95th percentile per-packet one-way delay: 101.509 ms

Loss rate: 0.01%

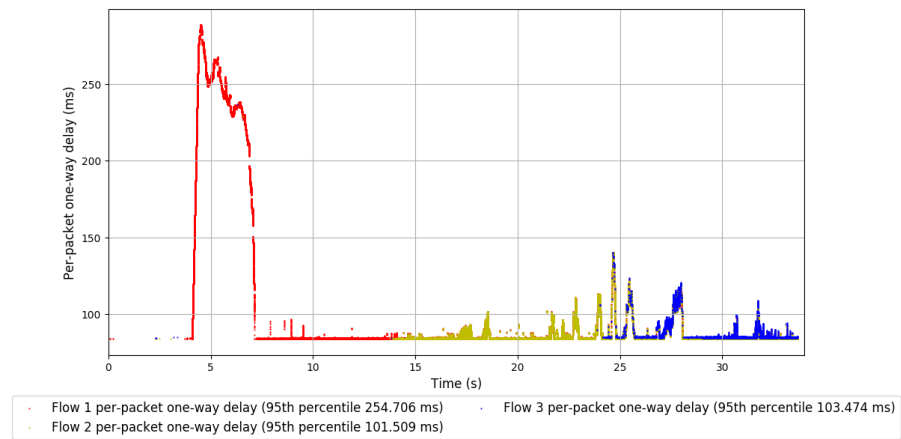
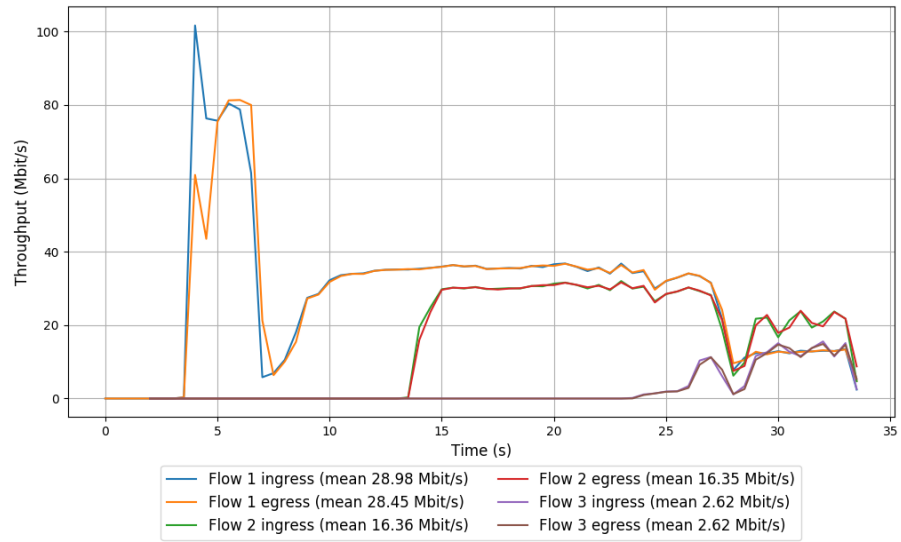
-- Flow 3:

Average throughput: 2.62 Mbit/s

95th percentile per-packet one-way delay: 103.474 ms

Loss rate: 0.03%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Tue, 04 Jul 2017 19:43:12 +0000

End at: Tue, 04 Jul 2017 19:43:42 +0000

Local clock offset: 0.456 ms

Remote clock offset: -24.358 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:25:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.62 Mbit/s

95th percentile per-packet one-way delay: 106.755 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 33.02 Mbit/s

95th percentile per-packet one-way delay: 105.102 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 14.45 Mbit/s

95th percentile per-packet one-way delay: 108.848 ms

Loss rate: 0.15%

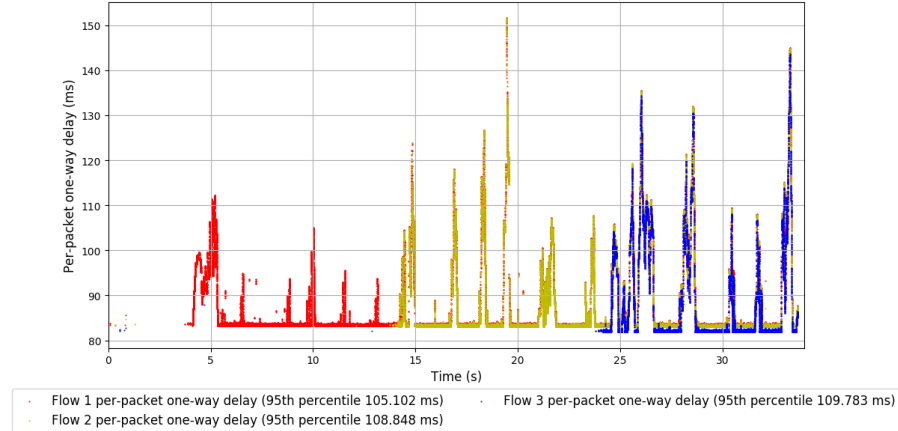
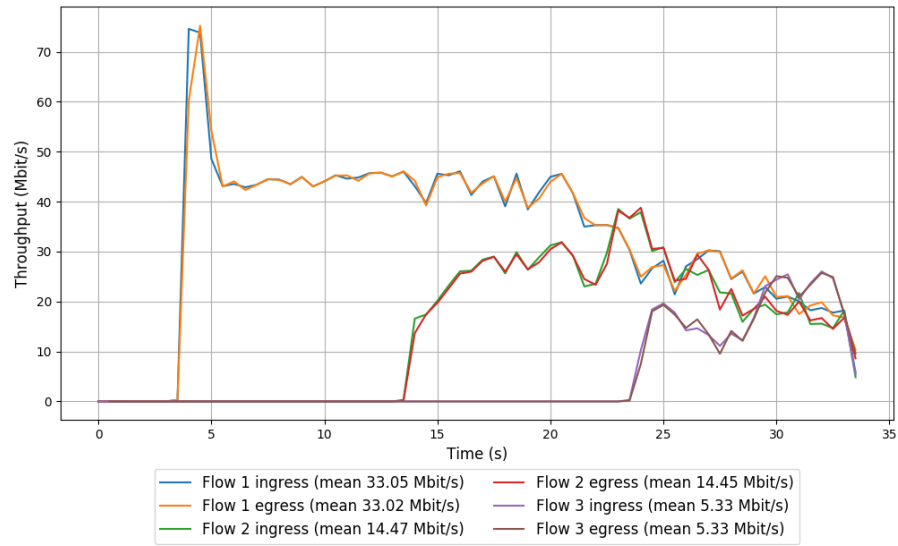
-- Flow 3:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 109.783 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Tue, 04 Jul 2017 20:01:44 +0000

End at: Tue, 04 Jul 2017 20:02:14 +0000

Local clock offset: 0.527 ms

Remote clock offset: -20.832 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:25:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.17 Mbit/s

95th percentile per-packet one-way delay: 163.610 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 40.38 Mbit/s

95th percentile per-packet one-way delay: 165.459 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 10.25 Mbit/s

95th percentile per-packet one-way delay: 144.923 ms

Loss rate: 0.42%

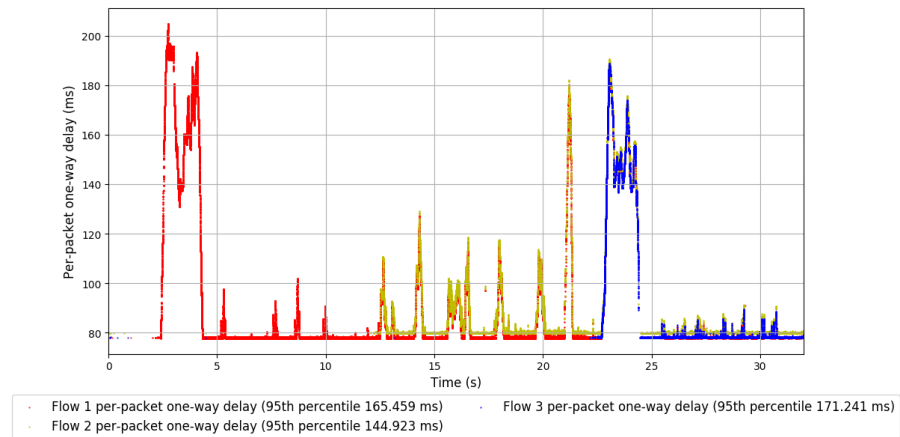
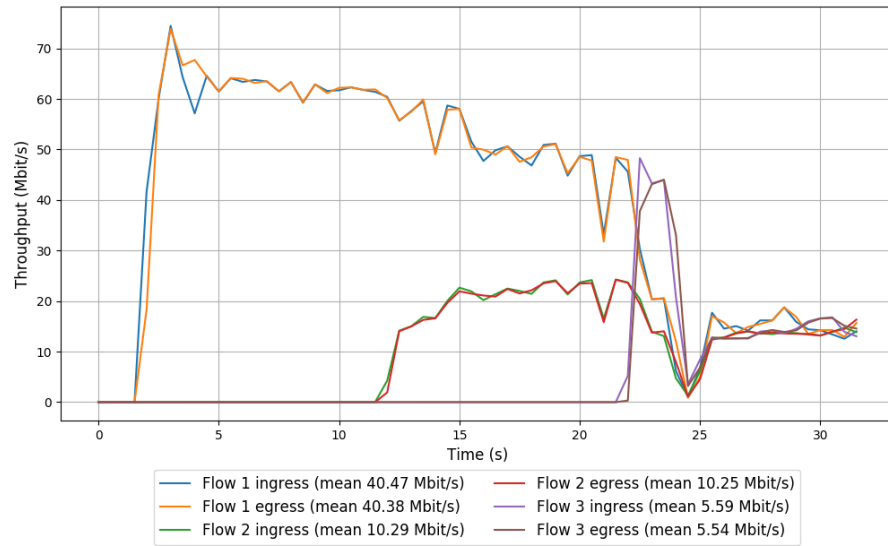
-- Flow 3:

Average throughput: 5.54 Mbit/s

95th percentile per-packet one-way delay: 171.241 ms

Loss rate: 0.78%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Tue, 04 Jul 2017 20:20:21 +0000

End at: Tue, 04 Jul 2017 20:20:51 +0000

Local clock offset: 0.524 ms

Remote clock offset: -21.015 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.95 Mbit/s

95th percentile per-packet one-way delay: 104.306 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 43.35 Mbit/s

95th percentile per-packet one-way delay: 107.200 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 14.69 Mbit/s

95th percentile per-packet one-way delay: 99.664 ms

Loss rate: 0.08%

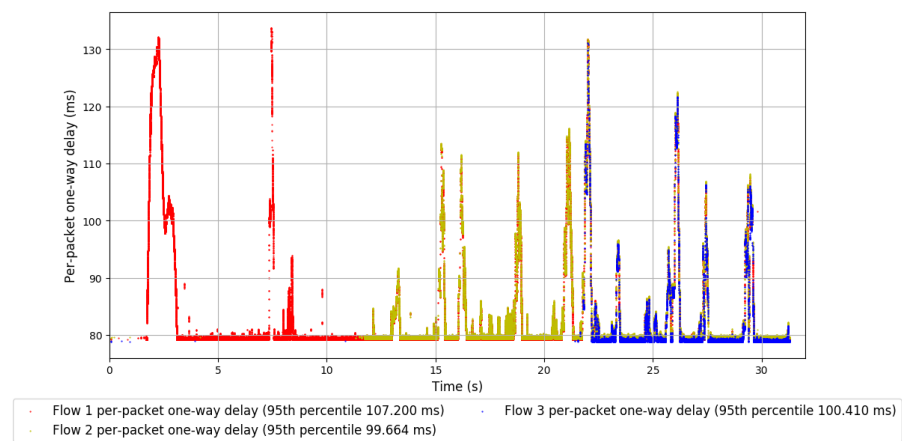
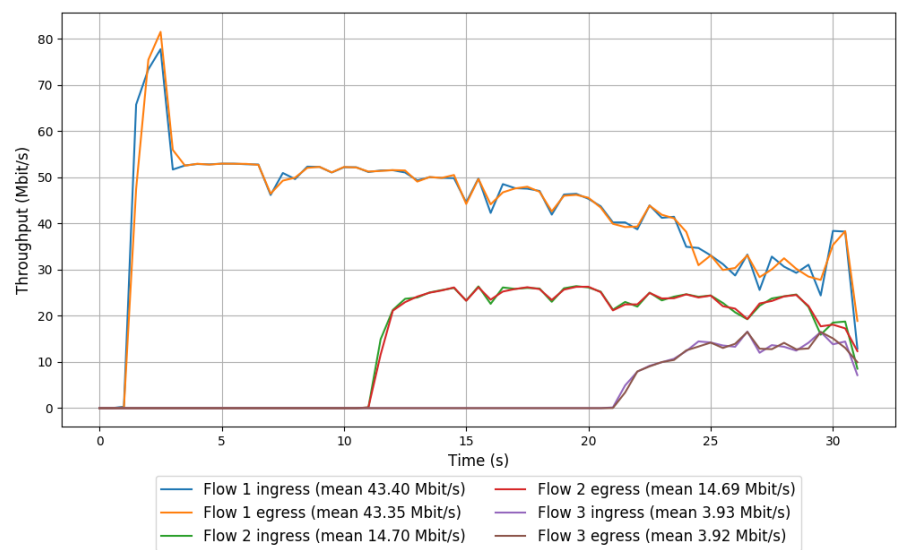
-- Flow 3:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 100.410 ms

Loss rate: 0.14%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Tue, 04 Jul 2017 20:38:48 +0000

End at: Tue, 04 Jul 2017 20:39:18 +0000

Local clock offset: 0.471 ms

Remote clock offset: -20.764 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.08 Mbit/s

95th percentile per-packet one-way delay: 103.914 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 26.54 Mbit/s

95th percentile per-packet one-way delay: 98.337 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 16.36 Mbit/s

95th percentile per-packet one-way delay: 115.681 ms

Loss rate: 0.00%

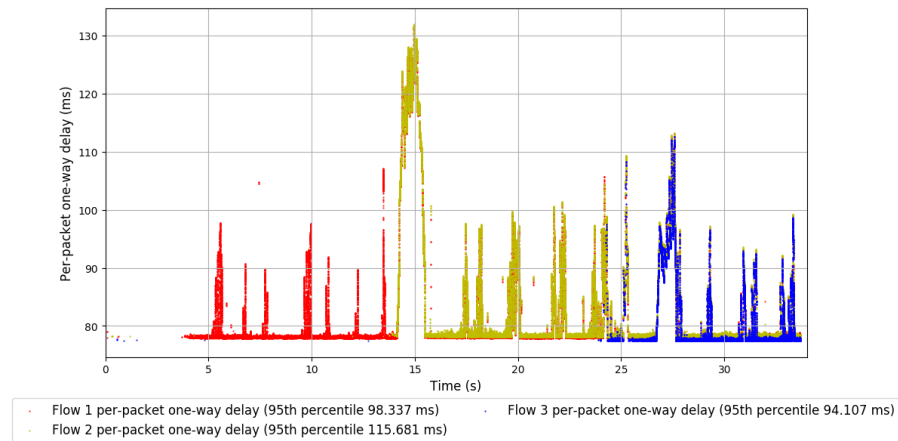
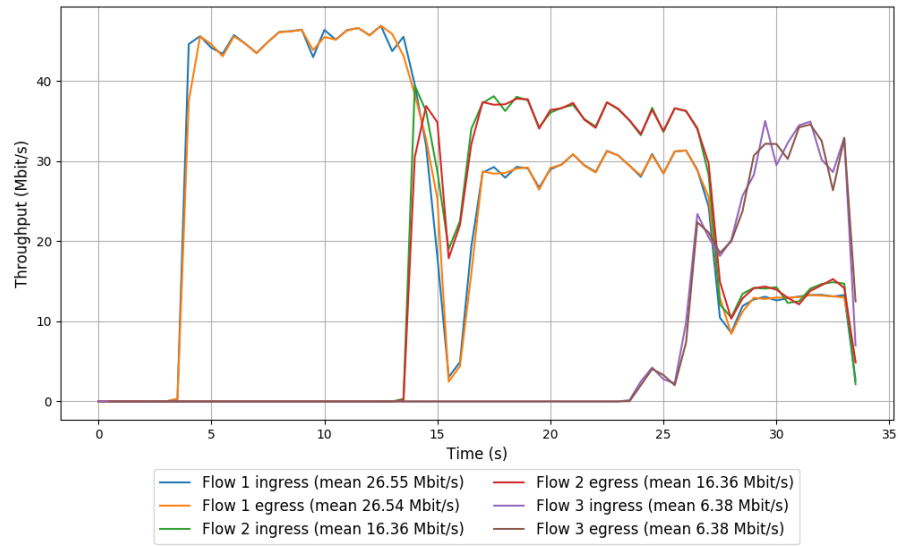
-- Flow 3:

Average throughput: 6.38 Mbit/s

95th percentile per-packet one-way delay: 94.107 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Tue, 04 Jul 2017 20:57:16 +0000

End at: Tue, 04 Jul 2017 20:57:46 +0000

Local clock offset: 0.446 ms

Remote clock offset: -20.531 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.68 Mbit/s

95th percentile per-packet one-way delay: 106.714 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 42.26 Mbit/s

95th percentile per-packet one-way delay: 102.693 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 14.80 Mbit/s

95th percentile per-packet one-way delay: 110.786 ms

Loss rate: 0.04%

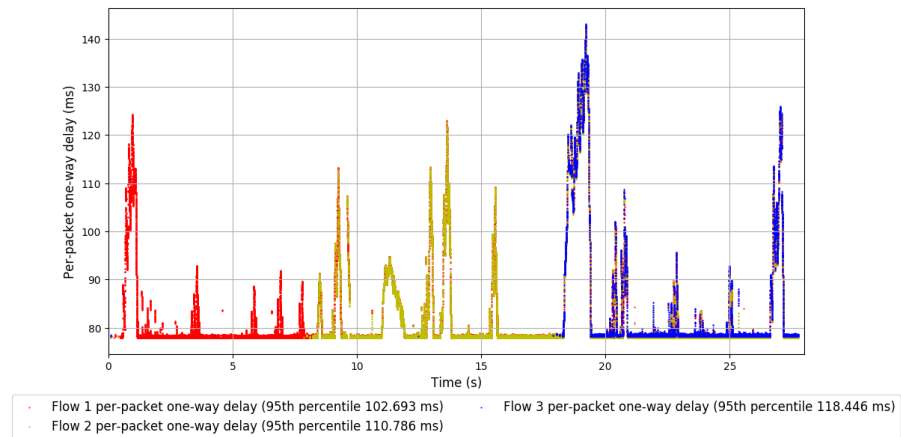
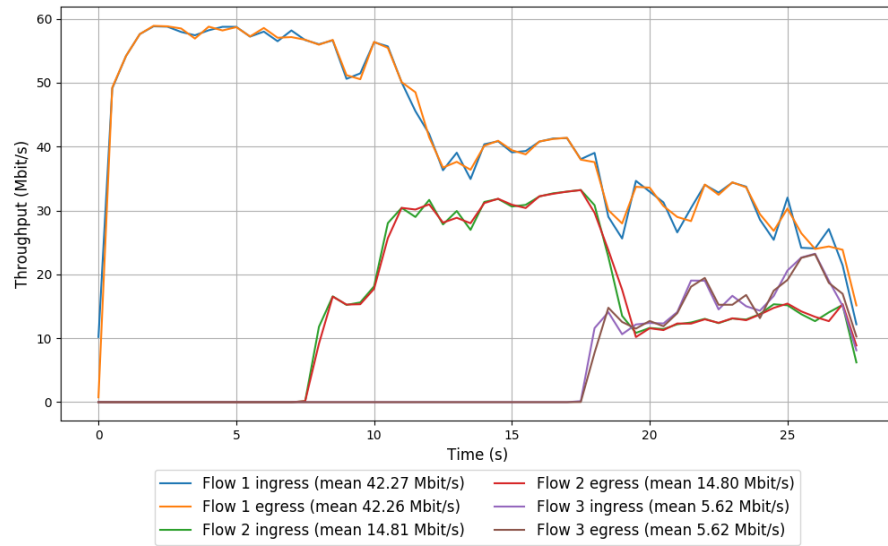
-- Flow 3:

Average throughput: 5.62 Mbit/s

95th percentile per-packet one-way delay: 118.446 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Tue, 04 Jul 2017 21:15:52 +0000

End at: Tue, 04 Jul 2017 21:16:22 +0000

Local clock offset: 0.401 ms

Remote clock offset: -21.918 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 43.59 Mbit/s

95th percentile per-packet one-way delay: 115.418 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 26.18 Mbit/s

95th percentile per-packet one-way delay: 114.349 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 11.02 Mbit/s

95th percentile per-packet one-way delay: 114.873 ms

Loss rate: 0.00%

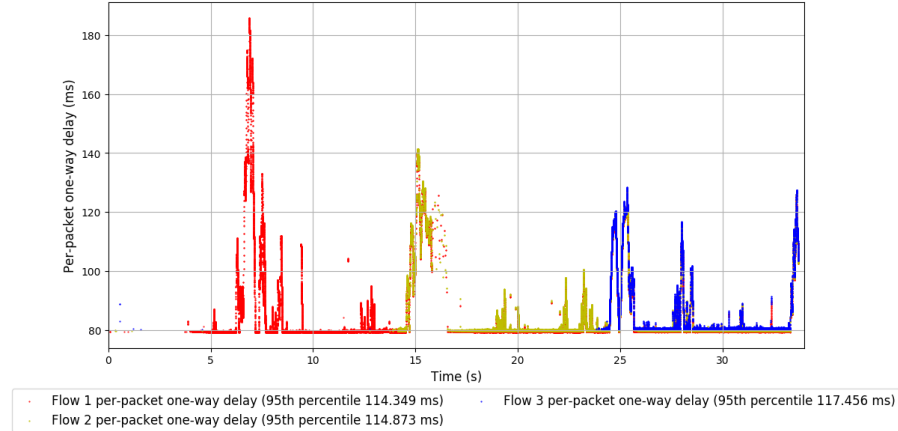
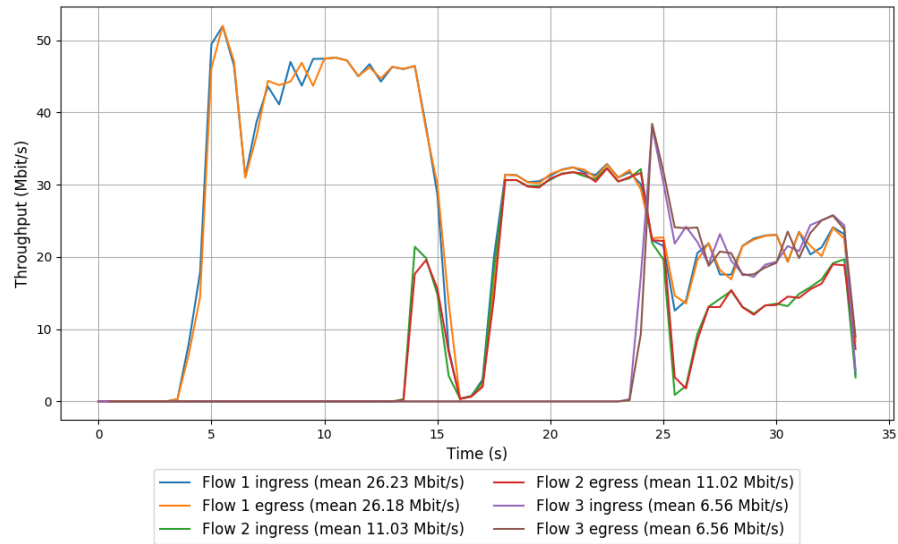
-- Flow 3:

Average throughput: 6.56 Mbit/s

95th percentile per-packet one-way delay: 117.456 ms

Loss rate: 0.02%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

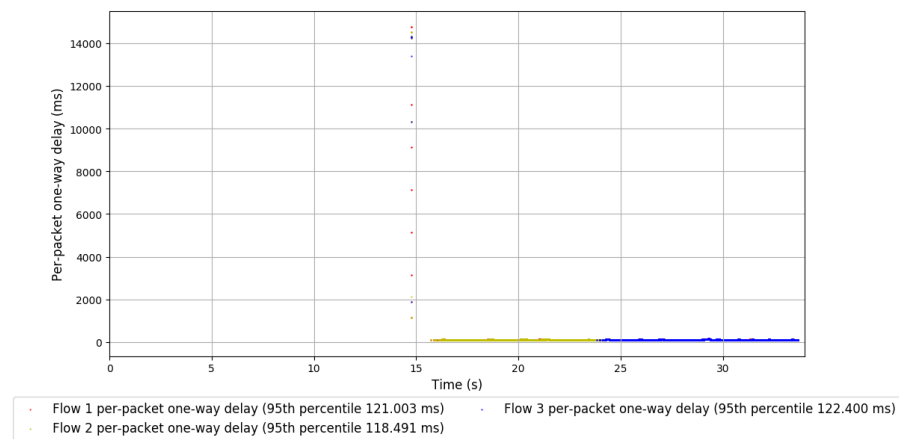
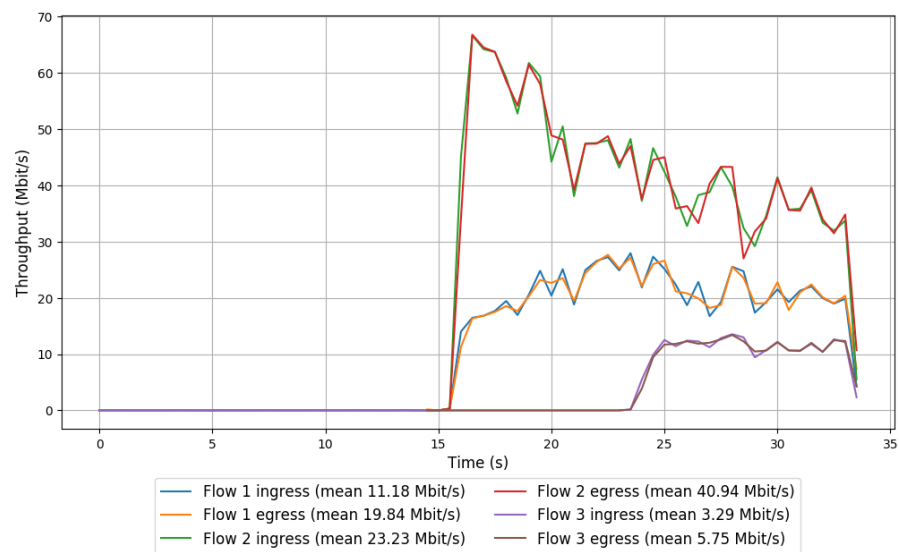
Start at: Tue, 04 Jul 2017 21:34:21 +0000

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

Local clock offset: 0.355 ms

Remote clock offset: -23.394 ms

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 18:39:55 +0000

End at: Tue, 04 Jul 2017 18:40:25 +0000

Local clock offset: 0.021 ms

Remote clock offset: -25.971 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.13 Mbit/s

95th percentile per-packet one-way delay: 421.554 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 55.85 Mbit/s

95th percentile per-packet one-way delay: 408.188 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 11.30 Mbit/s

95th percentile per-packet one-way delay: 444.763 ms

Loss rate: 0.05%

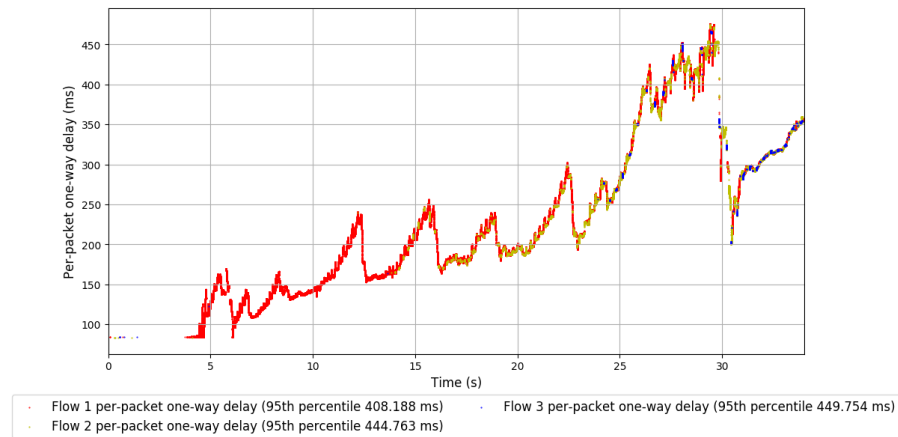
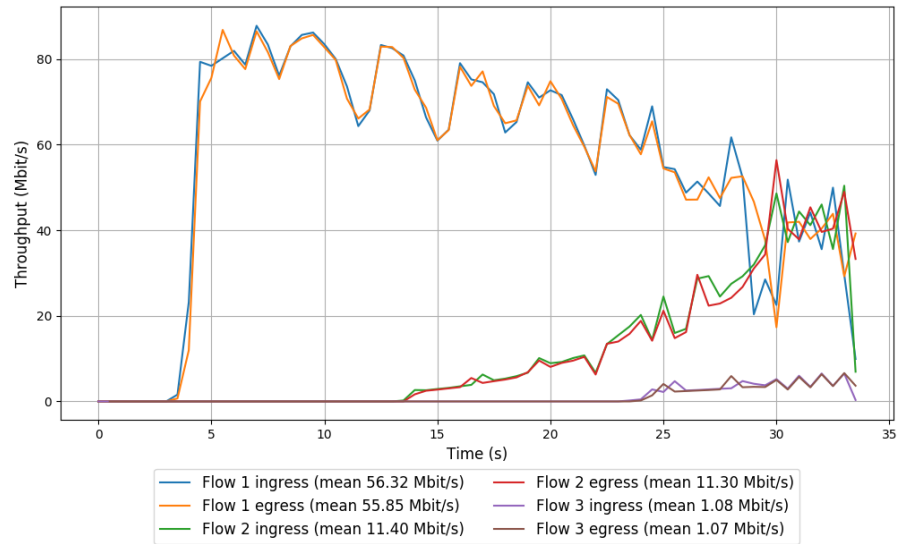
-- Flow 3:

Average throughput: 1.07 Mbit/s

95th percentile per-packet one-way delay: 449.754 ms

Loss rate: 0.27%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 18:58:28 +0000

End at: Tue, 04 Jul 2017 18:58:58 +0000

Local clock offset: 0.323 ms

Remote clock offset: -26.196 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.78 Mbit/s

95th percentile per-packet one-way delay: 441.920 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 50.91 Mbit/s

95th percentile per-packet one-way delay: 414.858 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 19.77 Mbit/s

95th percentile per-packet one-way delay: 465.382 ms

Loss rate: 0.05%

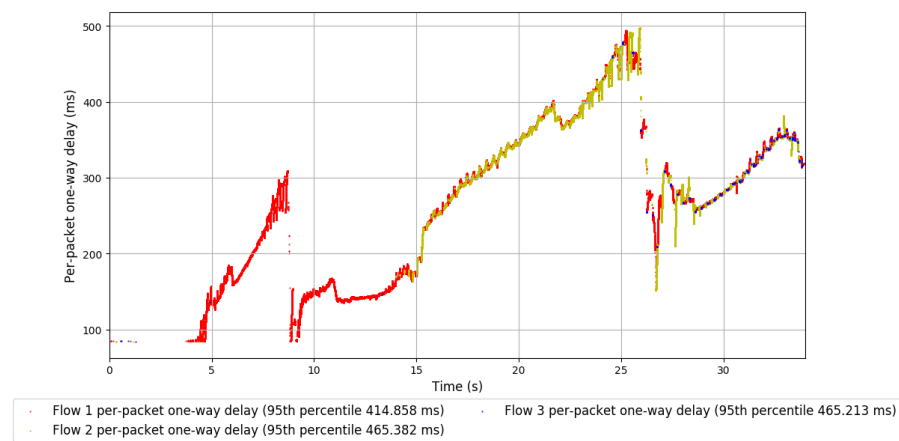
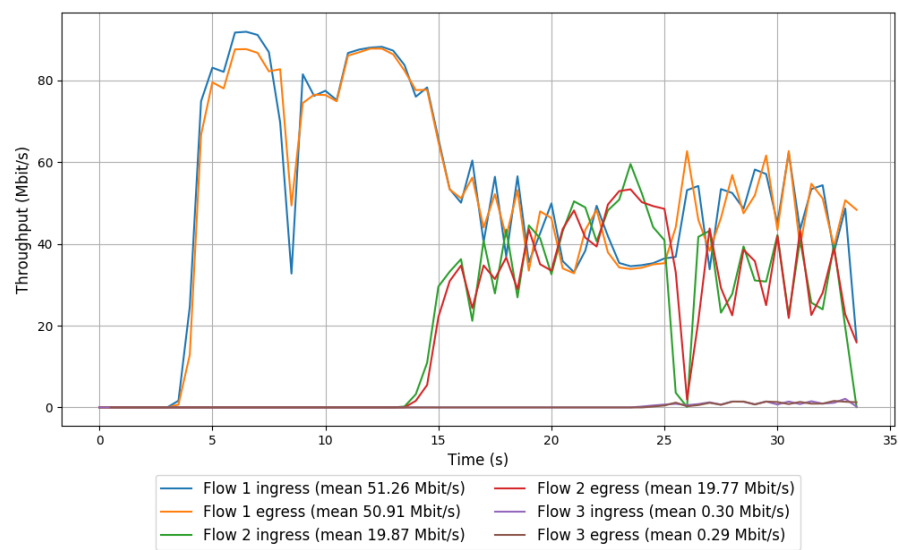
-- Flow 3:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 465.213 ms

Loss rate: 1.97%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 19:17:16 +0000

End at: Tue, 04 Jul 2017 19:17:46 +0000

Local clock offset: 0.398 ms

Remote clock offset: -26.368 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.70 Mbit/s

95th percentile per-packet one-way delay: 411.085 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 40.84 Mbit/s

95th percentile per-packet one-way delay: 390.007 ms

Loss rate: 0.34%

-- Flow 2:

Average throughput: 28.07 Mbit/s

95th percentile per-packet one-way delay: 424.841 ms

Loss rate: 0.07%

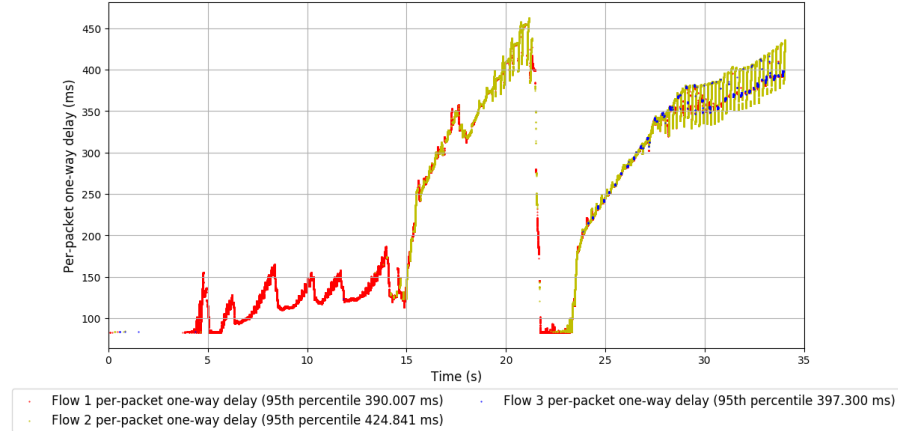
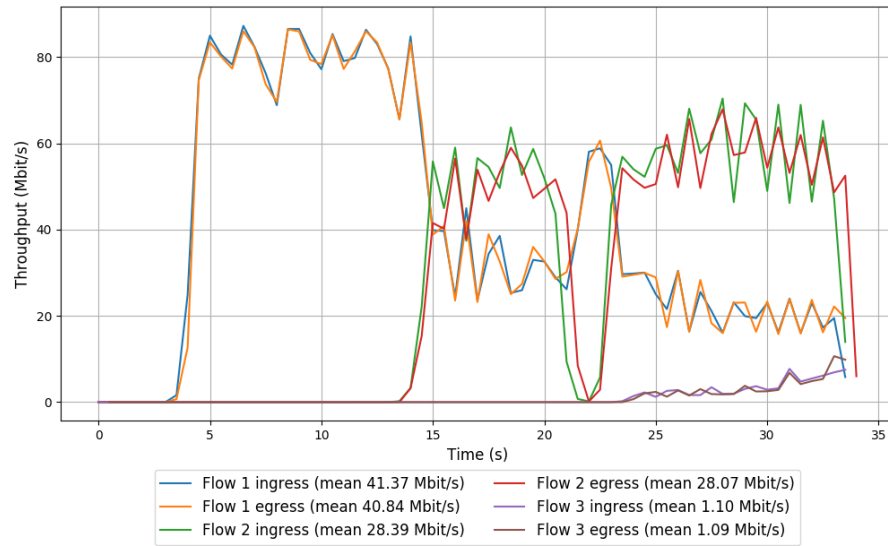
-- Flow 3:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 397.300 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 19:35:50 +0000

End at: Tue, 04 Jul 2017 19:36:20 +0000

Local clock offset: 0.403 ms

Remote clock offset: -26.427 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.17 Mbit/s

95th percentile per-packet one-way delay: 410.151 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 47.29 Mbit/s

95th percentile per-packet one-way delay: 401.227 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 24.02 Mbit/s

95th percentile per-packet one-way delay: 438.988 ms

Loss rate: 0.03%

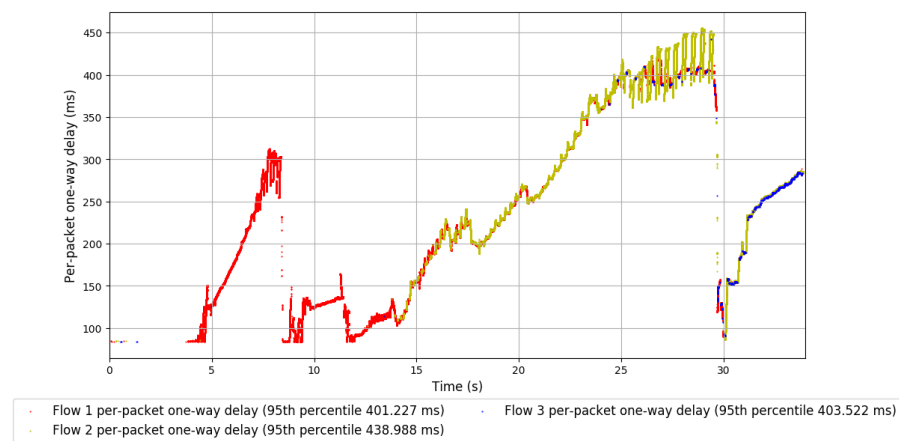
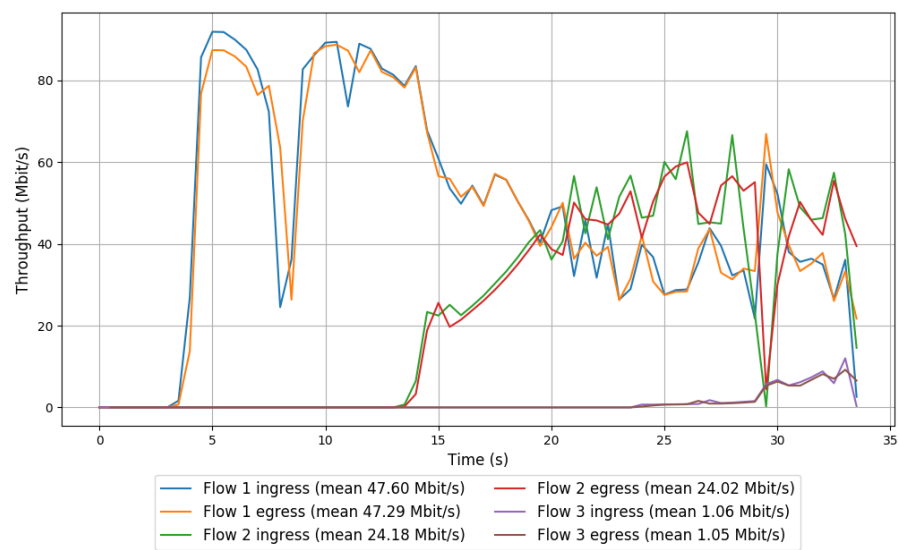
-- Flow 3:

Average throughput: 1.05 Mbit/s

95th percentile per-packet one-way delay: 403.522 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 19:54:29 +0000

End at: Tue, 04 Jul 2017 19:54:59 +0000

Local clock offset: 0.517 ms

Remote clock offset: -22.024 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:26:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.78 Mbit/s

95th percentile per-packet one-way delay: 476.651 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 56.83 Mbit/s

95th percentile per-packet one-way delay: 442.720 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 9.96 Mbit/s

95th percentile per-packet one-way delay: 509.713 ms

Loss rate: 0.16%

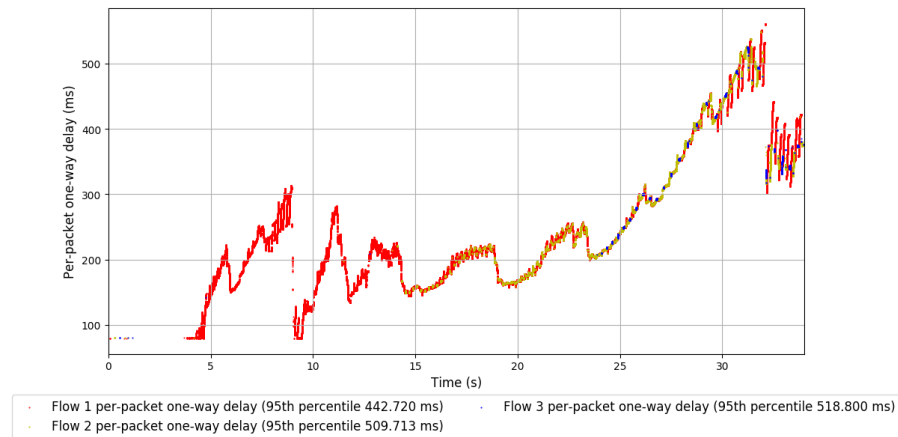
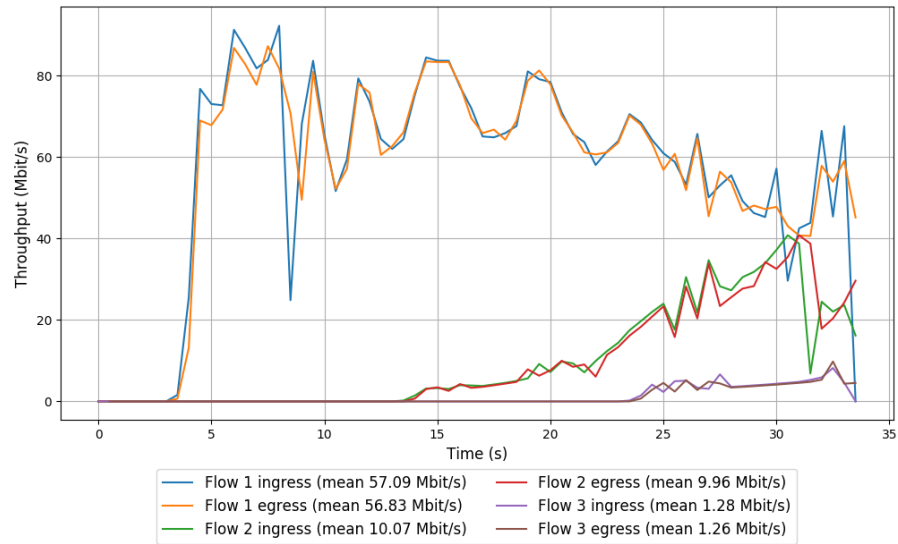
-- Flow 3:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 518.800 ms

Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 20:12:58 +0000

End at: Tue, 04 Jul 2017 20:13:28 +0000

Local clock offset: 0.515 ms

Remote clock offset: -20.646 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.54 Mbit/s

95th percentile per-packet one-way delay: 484.174 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 50.80 Mbit/s

95th percentile per-packet one-way delay: 448.332 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 17.08 Mbit/s

95th percentile per-packet one-way delay: 514.643 ms

Loss rate: 0.03%

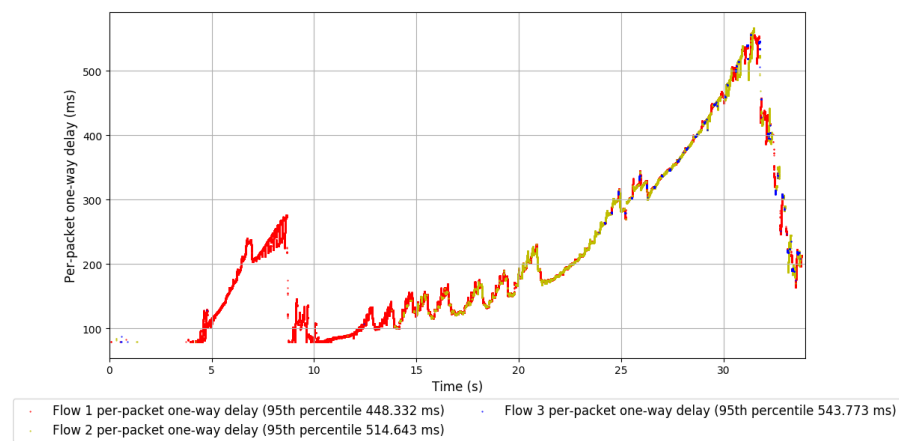
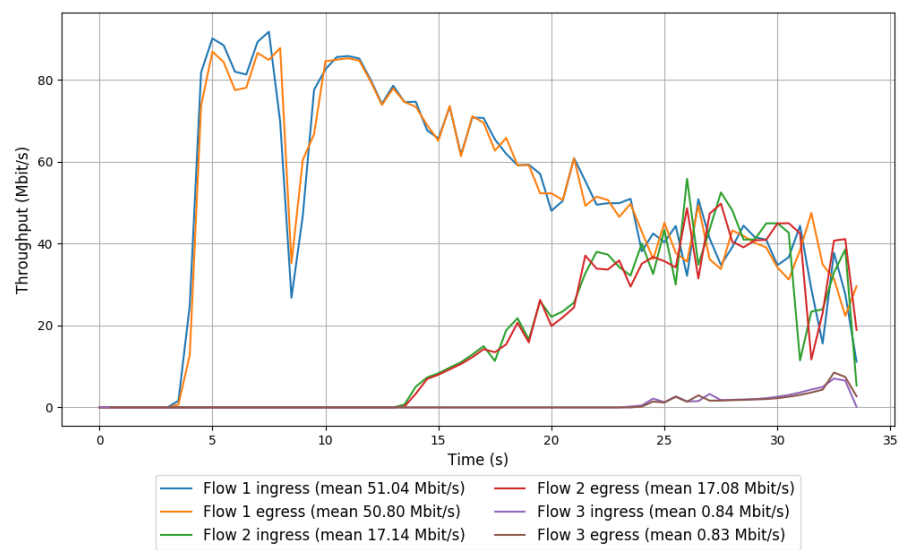
-- Flow 3:

Average throughput: 0.83 Mbit/s

95th percentile per-packet one-way delay: 543.773 ms

Loss rate: 0.13%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 20:31:32 +0000

End at: Tue, 04 Jul 2017 20:32:02 +0000

Local clock offset: 0.5 ms

Remote clock offset: -20.578 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.52 Mbit/s

95th percentile per-packet one-way delay: 406.126 ms

Loss rate: 0.29%

-- Flow 1:

Average throughput: 35.09 Mbit/s

95th percentile per-packet one-way delay: 380.806 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 26.95 Mbit/s

95th percentile per-packet one-way delay: 432.872 ms

Loss rate: 0.08%

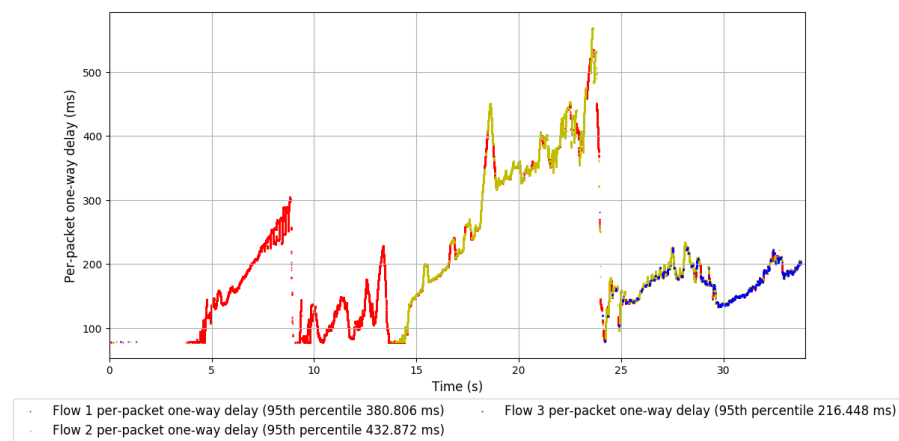
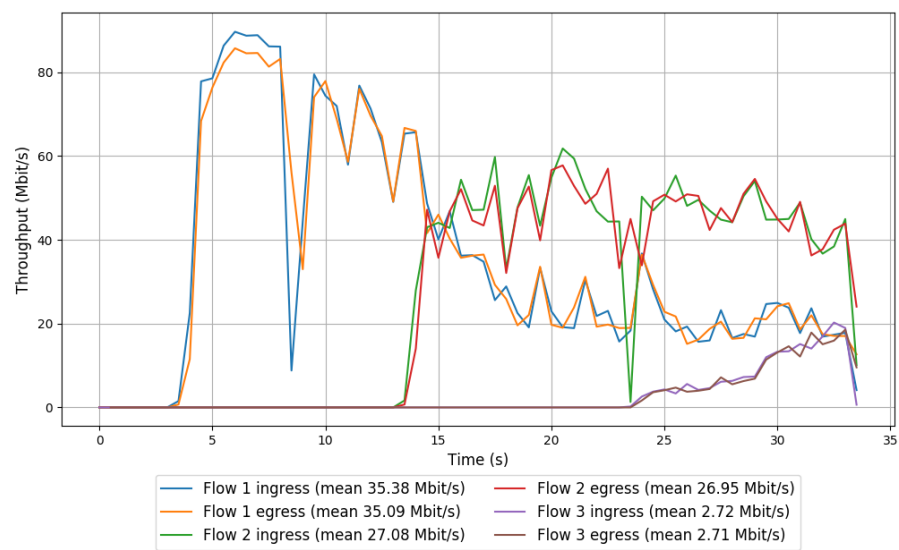
-- Flow 3:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 216.448 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 20:50:03 +0000

End at: Tue, 04 Jul 2017 20:50:33 +0000

Local clock offset: 0.428 ms

Remote clock offset: -20.819 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.45 Mbit/s

95th percentile per-packet one-way delay: 419.000 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 42.49 Mbit/s

95th percentile per-packet one-way delay: 399.506 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 23.69 Mbit/s

95th percentile per-packet one-way delay: 446.150 ms

Loss rate: 0.03%

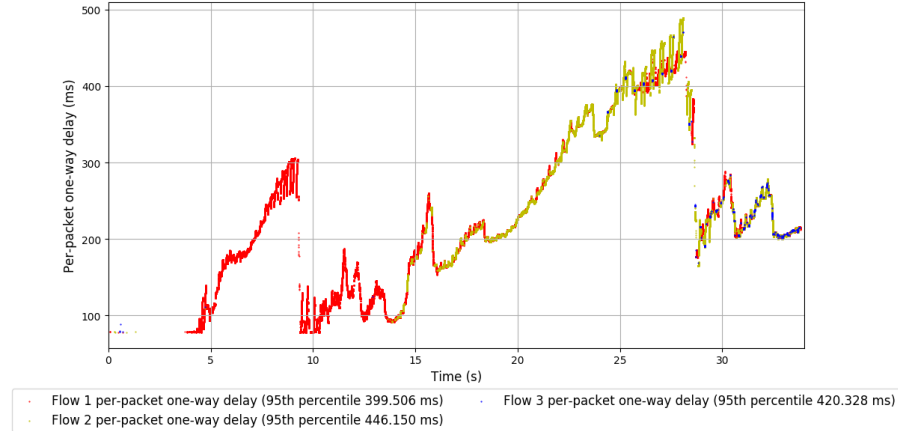
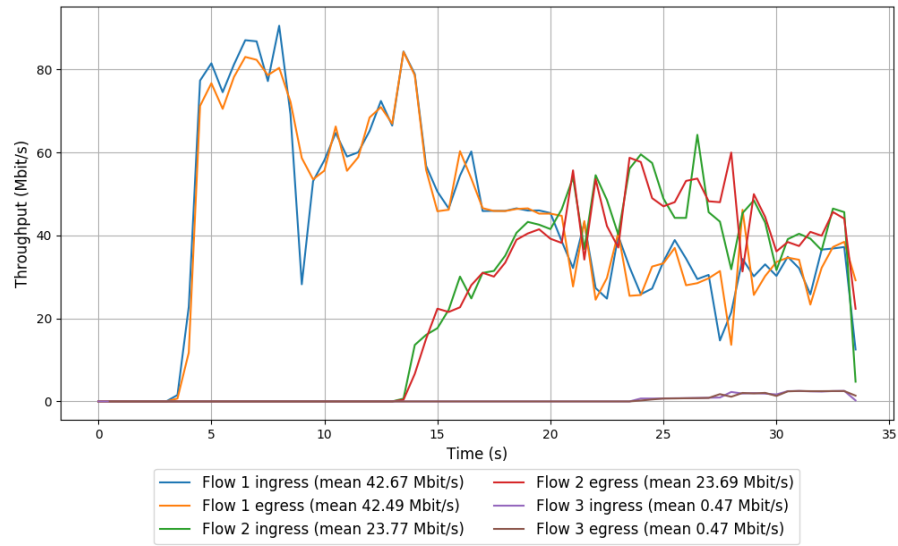
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 420.328 ms

Loss rate: 0.46%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 21:08:36 +0000

End at: Tue, 04 Jul 2017 21:09:06 +0000

Local clock offset: 0.454 ms

Remote clock offset: -21.144 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.20 Mbit/s

95th percentile per-packet one-way delay: 385.477 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 366.757 ms

Loss rate: 0.89%

-- Flow 2:

Average throughput: 24.71 Mbit/s

95th percentile per-packet one-way delay: 396.676 ms

Loss rate: 0.36%

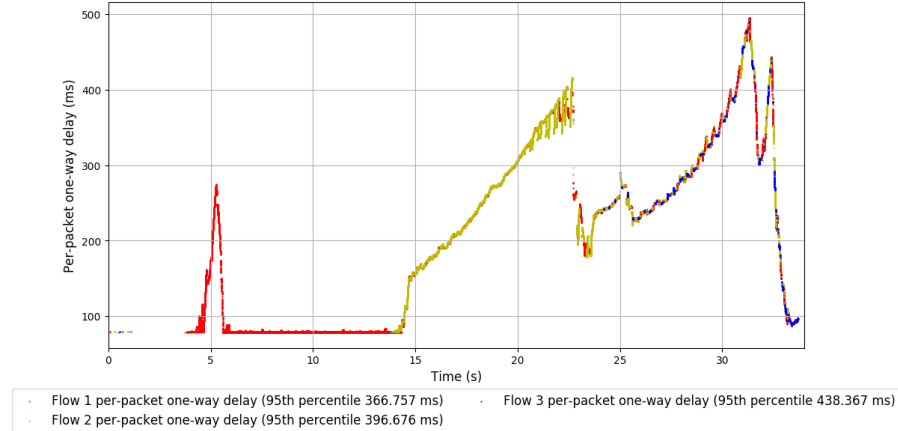
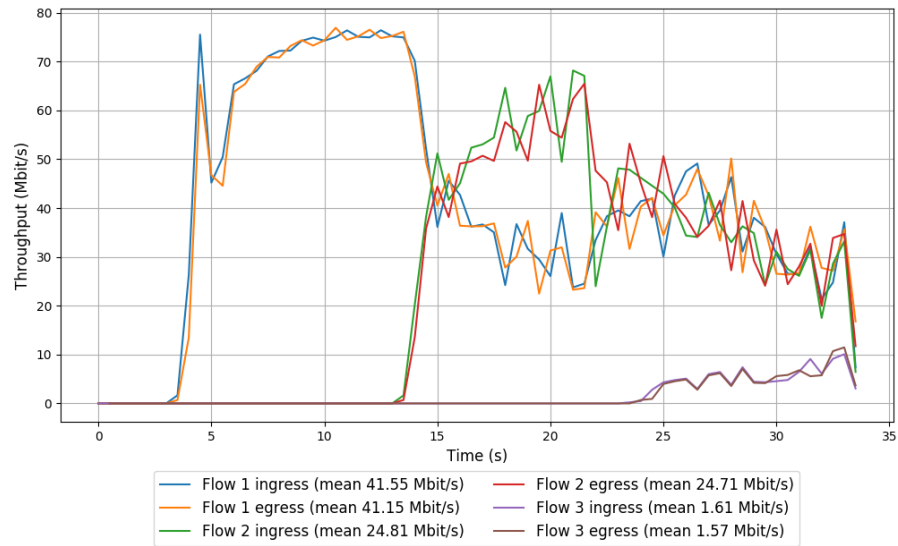
-- Flow 3:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 438.367 ms

Loss rate: 2.12%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 21:26:58 +0000

End at: Tue, 04 Jul 2017 21:27:28 +0000

Local clock offset: 0.381 ms

Remote clock offset: -22.949 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.74 Mbit/s

95th percentile per-packet one-way delay: 453.973 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 45.19 Mbit/s

95th percentile per-packet one-way delay: 438.302 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 24.11 Mbit/s

95th percentile per-packet one-way delay: 480.265 ms

Loss rate: 0.04%

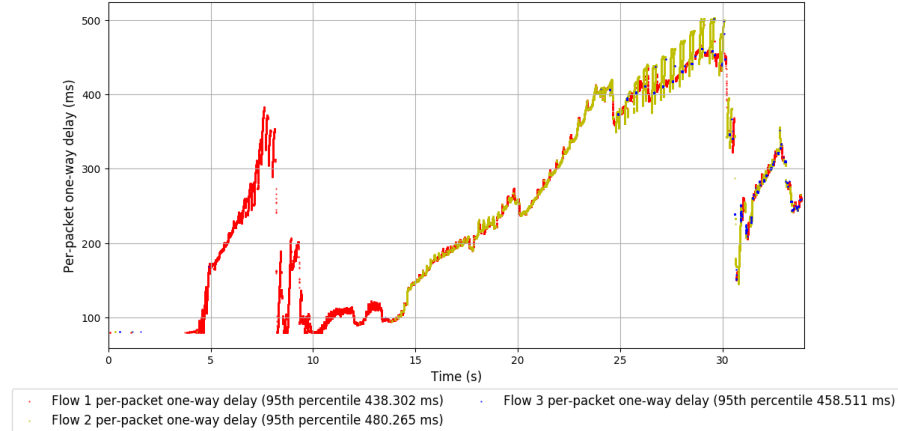
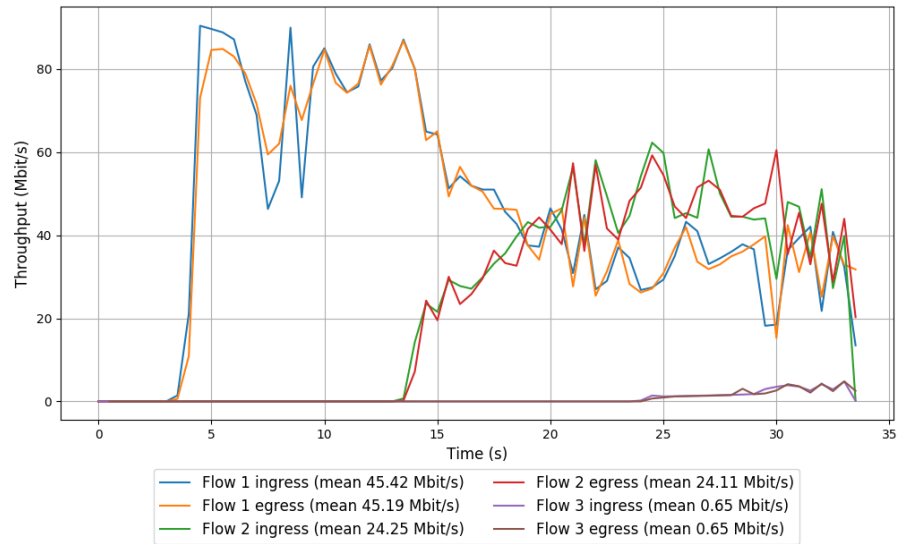
-- Flow 3:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 458.511 ms

Loss rate: 0.44%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 18:53:24 +0000

End at: Tue, 04 Jul 2017 18:53:54 +0000

Local clock offset: 0.193 ms

Remote clock offset: -26.433 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.00 Mbit/s

95th percentile per-packet one-way delay: 84.922 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.11 Mbit/s

95th percentile per-packet one-way delay: 84.177 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.05 Mbit/s

95th percentile per-packet one-way delay: 85.220 ms

Loss rate: 0.00%

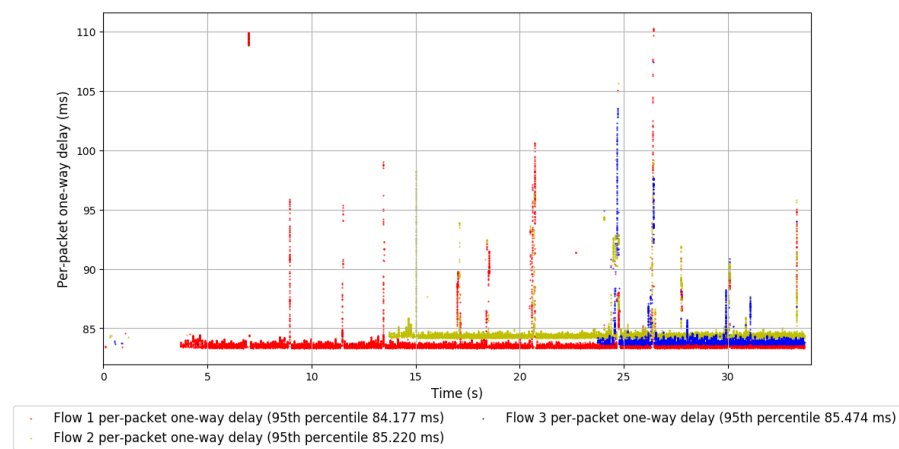
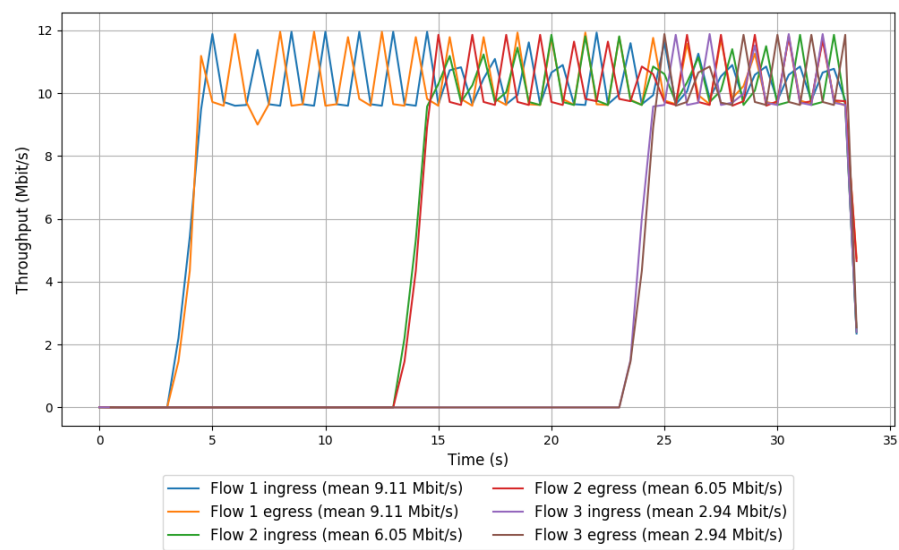
-- Flow 3:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 85.474 ms

Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:12:18 +0000

End at: Tue, 04 Jul 2017 19:12:48 +0000

Local clock offset: 0.419 ms

Remote clock offset: -26.282 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.96 Mbit/s

95th percentile per-packet one-way delay: 85.891 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 9.02 Mbit/s

95th percentile per-packet one-way delay: 86.425 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 6.09 Mbit/s

95th percentile per-packet one-way delay: 85.105 ms

Loss rate: 0.01%

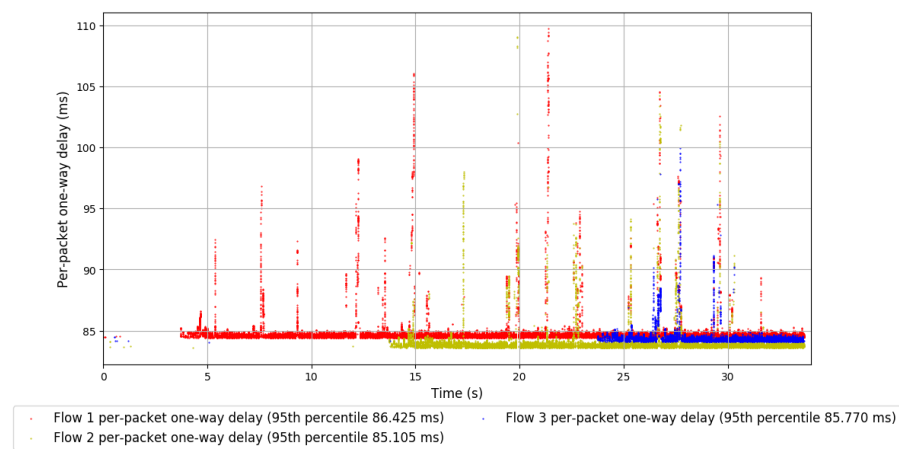
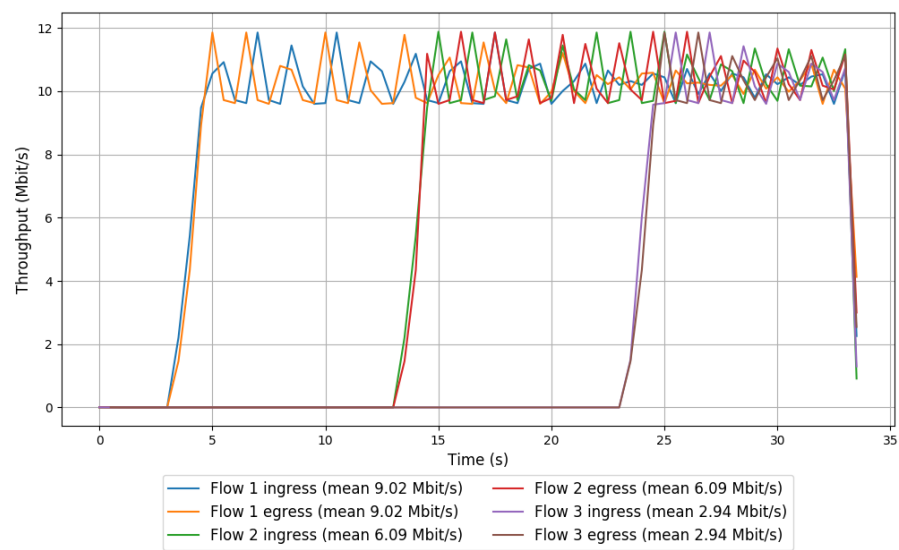
-- Flow 3:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 85.770 ms

Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:30:49 +0000

End at: Tue, 04 Jul 2017 19:31:19 +0000

Local clock offset: 0.407 ms

Remote clock offset: -26.546 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.61 Mbit/s

95th percentile per-packet one-way delay: 93.109 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 8.94 Mbit/s

95th percentile per-packet one-way delay: 87.656 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.92 Mbit/s

95th percentile per-packet one-way delay: 94.918 ms

Loss rate: 0.00%

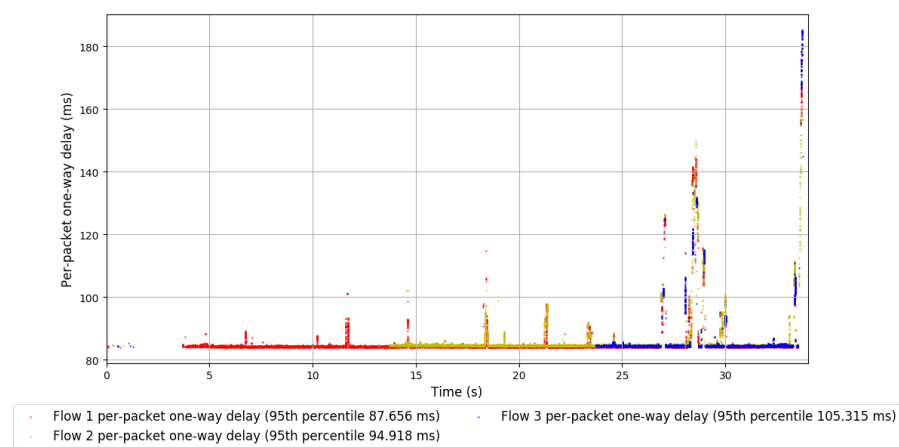
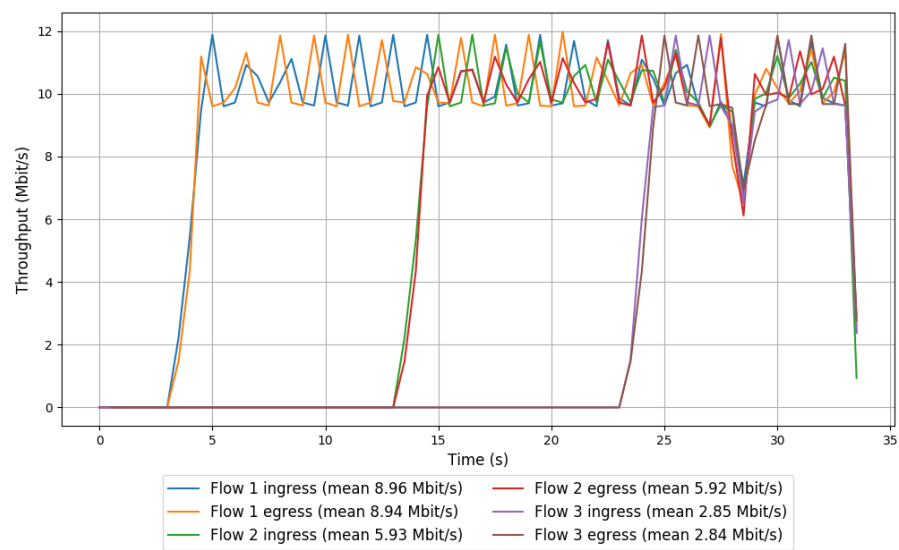
-- Flow 3:

Average throughput: 2.84 Mbit/s

95th percentile per-packet one-way delay: 105.315 ms

Loss rate: 0.00%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 19:49:28 +0000

End at: Tue, 04 Jul 2017 19:49:58 +0000

Local clock offset: 0.494 ms

Remote clock offset: -22.983 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.84 Mbit/s

95th percentile per-packet one-way delay: 82.540 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 9.01 Mbit/s

95th percentile per-packet one-way delay: 82.563 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 82.289 ms

Loss rate: 0.05%

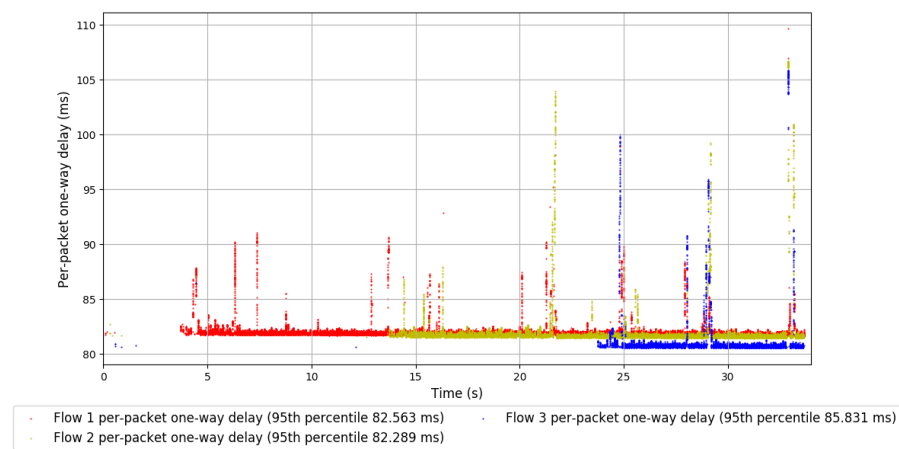
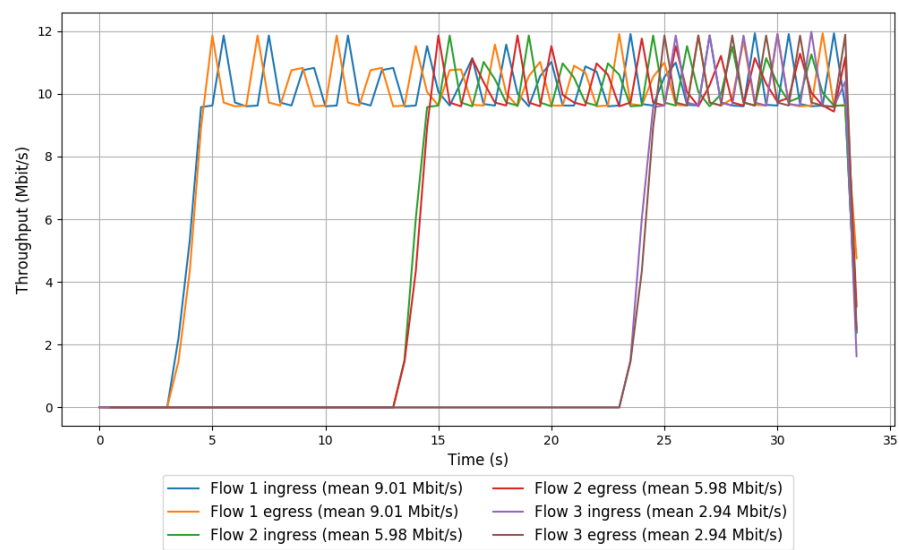
-- Flow 3:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 85.831 ms

Loss rate: 0.02%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 20:08:05 +0000

End at: Tue, 04 Jul 2017 20:08:35 +0000

Local clock offset: 0.529 ms

Remote clock offset: -20.924 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.85 Mbit/s

95th percentile per-packet one-way delay: 82.528 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 9.00 Mbit/s

95th percentile per-packet one-way delay: 81.544 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 6.00 Mbit/s

95th percentile per-packet one-way delay: 81.890 ms

Loss rate: 0.00%

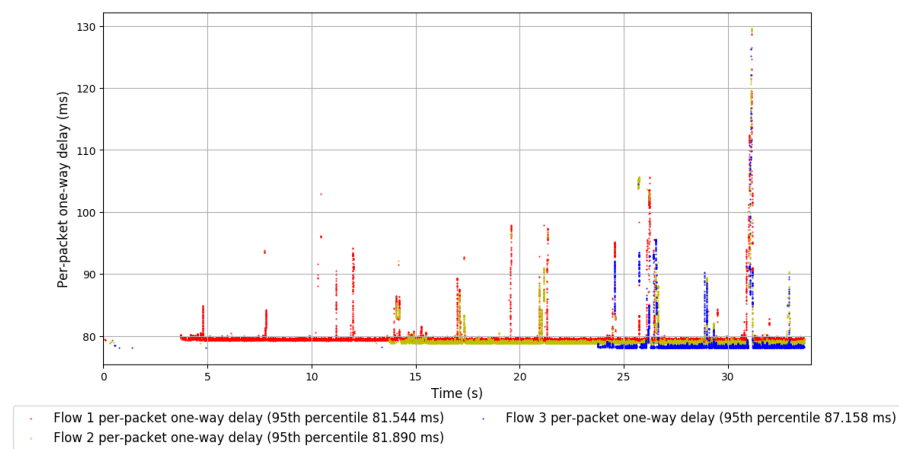
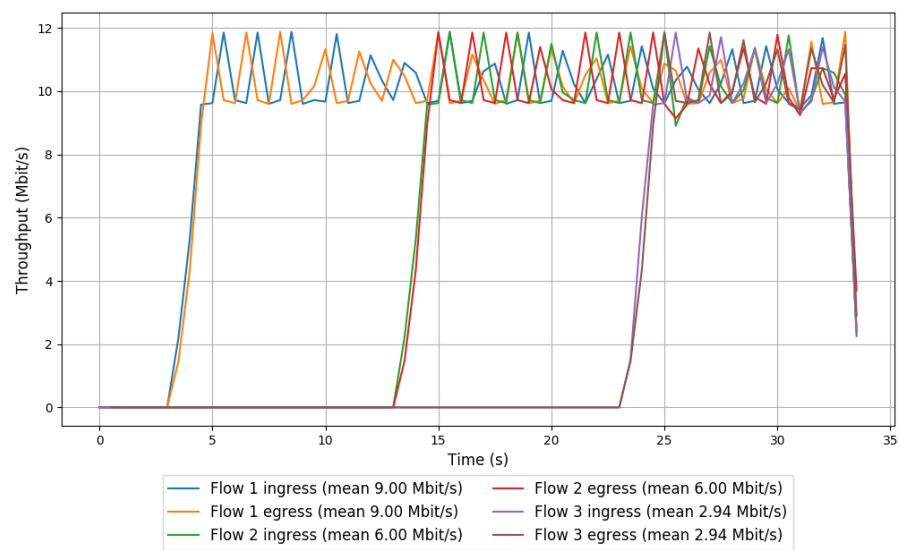
-- Flow 3:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 87.158 ms

Loss rate: 0.01%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 20:26:33 +0000

End at: Tue, 04 Jul 2017 20:27:03 +0000

Local clock offset: 0.52 ms

Remote clock offset: -20.693 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.92 Mbit/s

95th percentile per-packet one-way delay: 80.527 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 9.02 Mbit/s

95th percentile per-packet one-way delay: 80.508 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.01 Mbit/s

95th percentile per-packet one-way delay: 81.665 ms

Loss rate: 0.01%

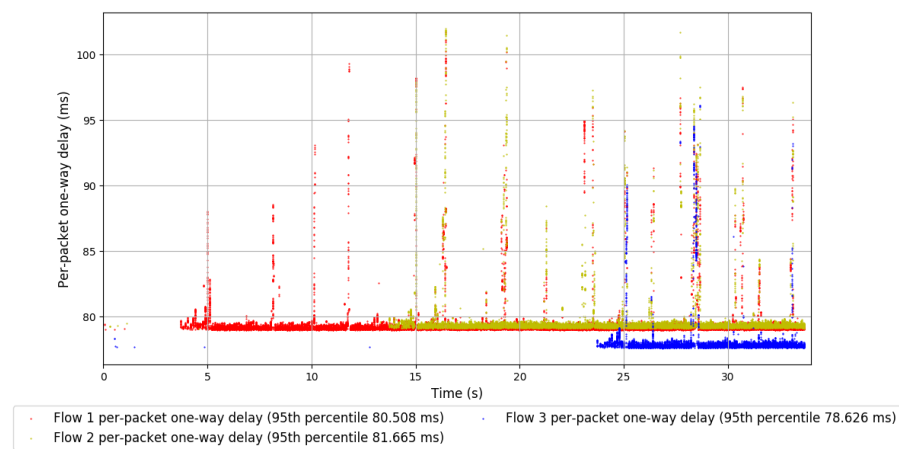
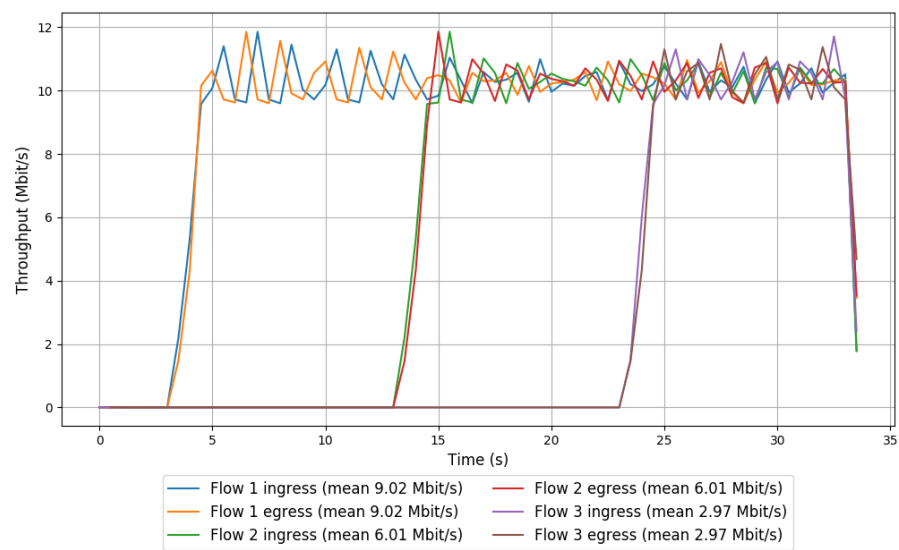
-- Flow 3:

Average throughput: 2.97 Mbit/s

95th percentile per-packet one-way delay: 78.626 ms

Loss rate: 0.01%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 20:45:00 +0000

End at: Tue, 04 Jul 2017 20:45:30 +0000

Local clock offset: 0.45 ms

Remote clock offset: -20.66 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:36 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.93 Mbit/s

95th percentile per-packet one-way delay: 80.804 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.04 Mbit/s

95th percentile per-packet one-way delay: 80.265 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.04 Mbit/s

95th percentile per-packet one-way delay: 82.958 ms

Loss rate: 0.01%

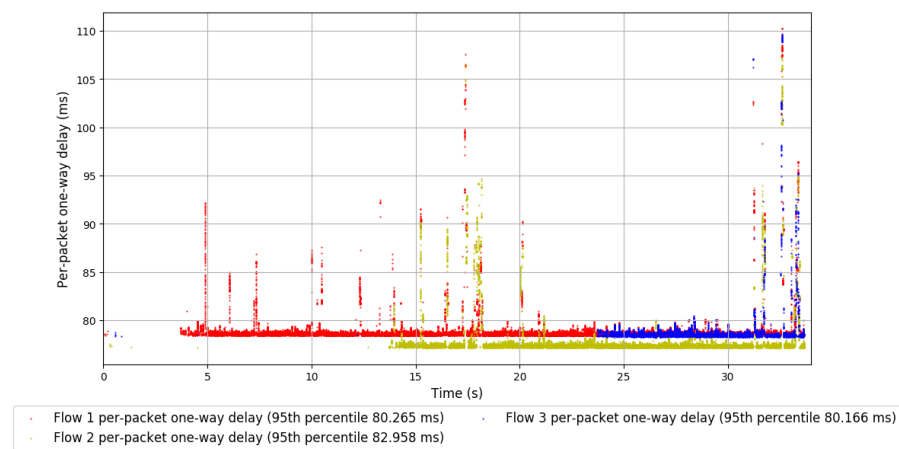
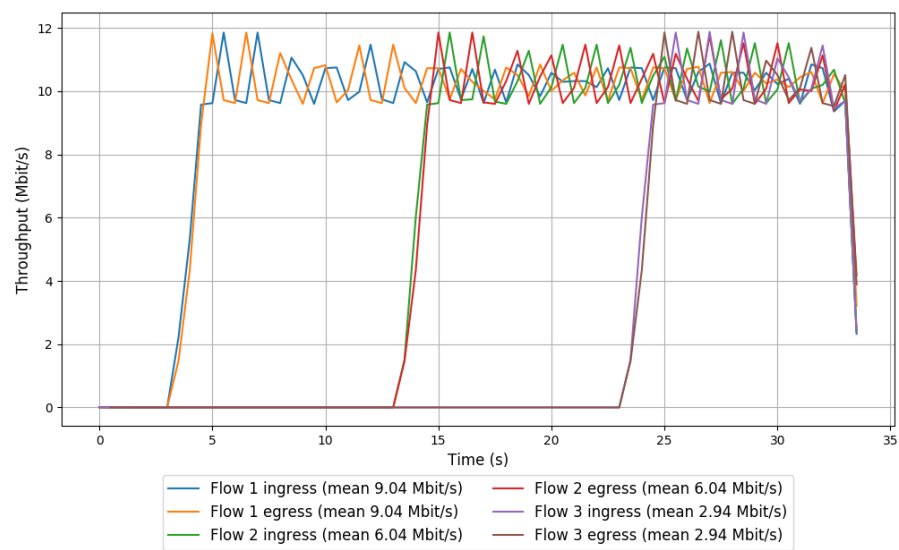
-- Flow 3:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 80.166 ms

Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:03:36 +0000

End at: Tue, 04 Jul 2017 21:04:06 +0000

Local clock offset: 0.431 ms

Remote clock offset: -20.961 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 19.54 Mbit/s

95th percentile per-packet one-way delay: 79.988 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 80.302 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 79.128 ms

Loss rate: 0.00%

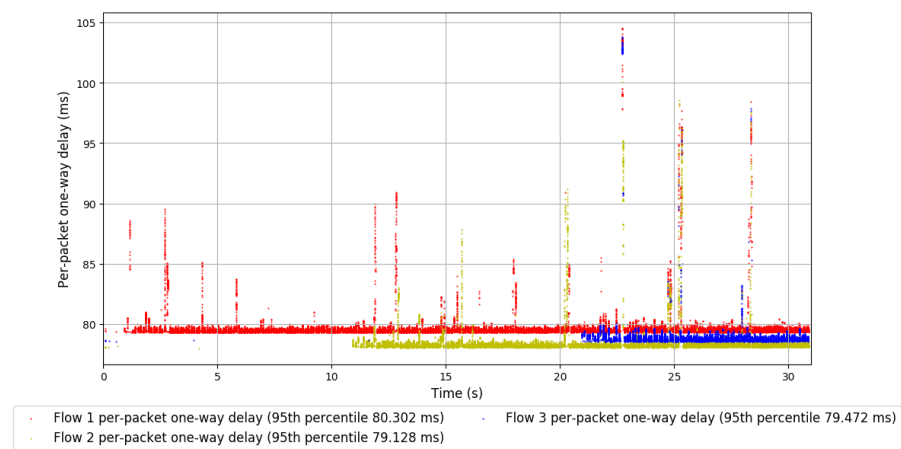
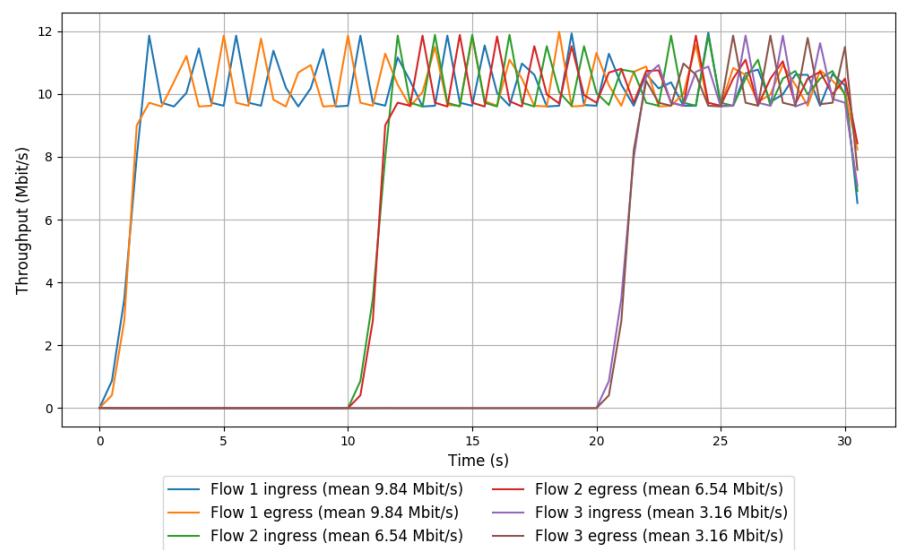
-- Flow 3:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 79.472 ms

Loss rate: 0.00%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:22:01 +0000

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

Local clock offset: 0.413 ms

Remote clock offset: -22.34 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:40 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 17.95 Mbit/s

95th percentile per-packet one-way delay: 81.874 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.11 Mbit/s

95th percentile per-packet one-way delay: 80.698 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.98 Mbit/s

95th percentile per-packet one-way delay: 83.413 ms

Loss rate: 0.00%

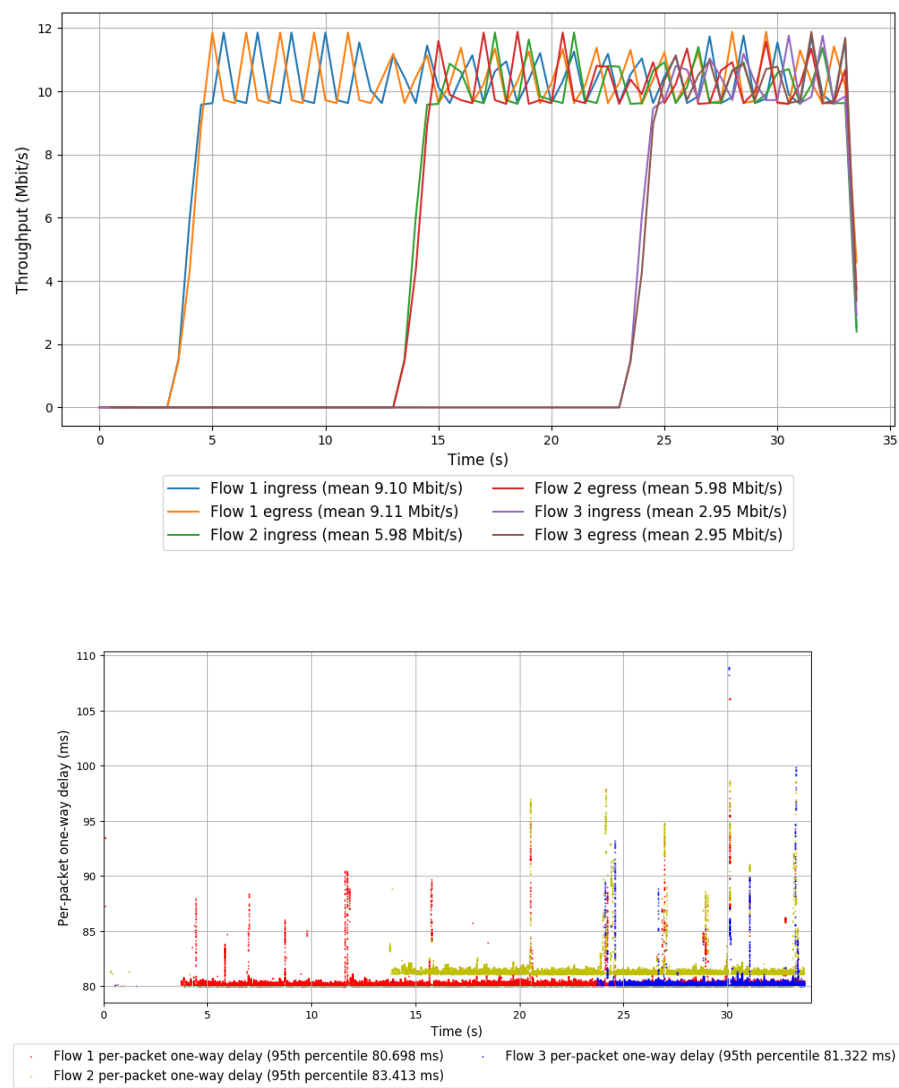
-- Flow 3:

Average throughput: 2.95 Mbit/s

95th percentile per-packet one-way delay: 81.322 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 21:40:38 +0000

End at: Tue, 04 Jul 2017 21:41:08 +0000

Local clock offset: 0.316 ms

Remote clock offset: -23.118 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:42 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 18.25 Mbit/s

95th percentile per-packet one-way delay: 81.480 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 9.21 Mbit/s

95th percentile per-packet one-way delay: 81.347 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 6.10 Mbit/s

95th percentile per-packet one-way delay: 81.478 ms

Loss rate: 0.00%

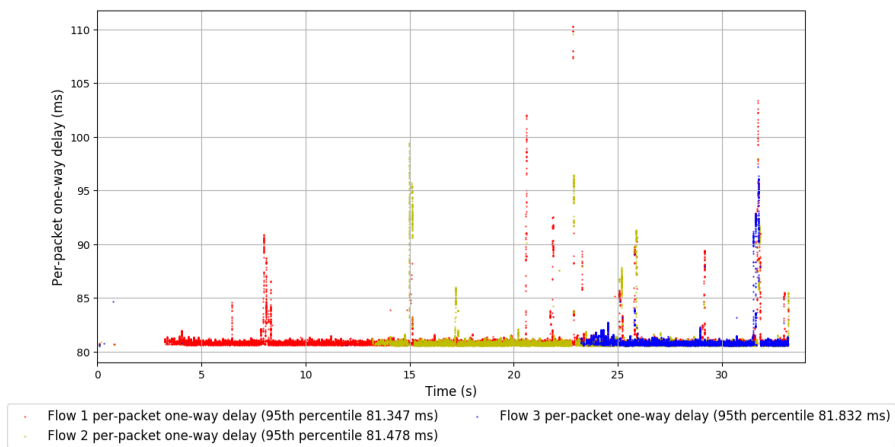
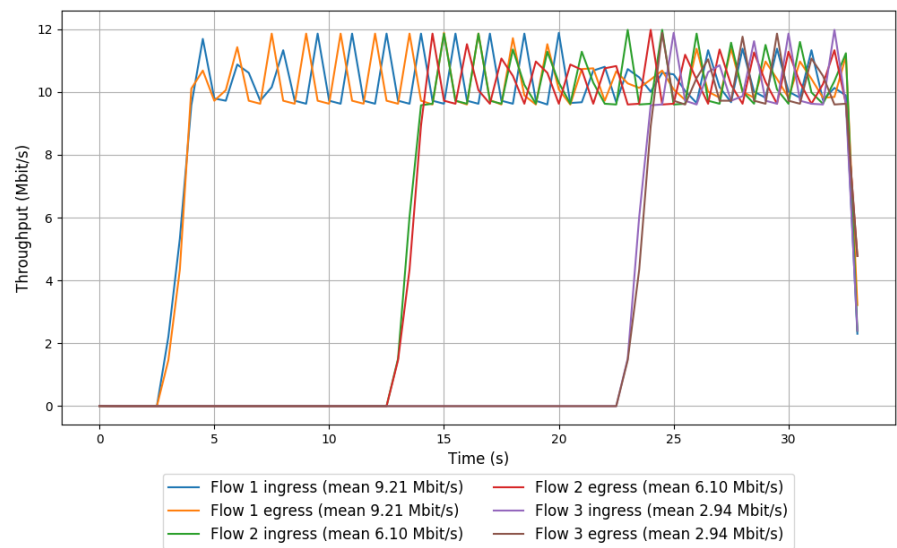
-- Flow 3:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 81.832 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 18:45:57 +0000

End at: Tue, 04 Jul 2017 18:46:27 +0000

Local clock offset: 0.09 ms

Remote clock offset: -26.138 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 27.28 Mbit/s

95th percentile per-packet one-way delay: 88.433 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 14.44 Mbit/s

95th percentile per-packet one-way delay: 88.304 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 10.42 Mbit/s

95th percentile per-packet one-way delay: 88.638 ms

Loss rate: 0.00%

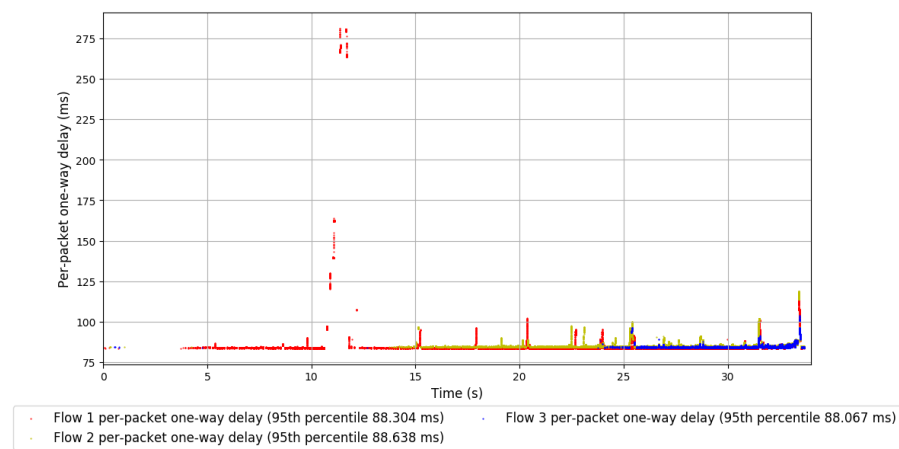
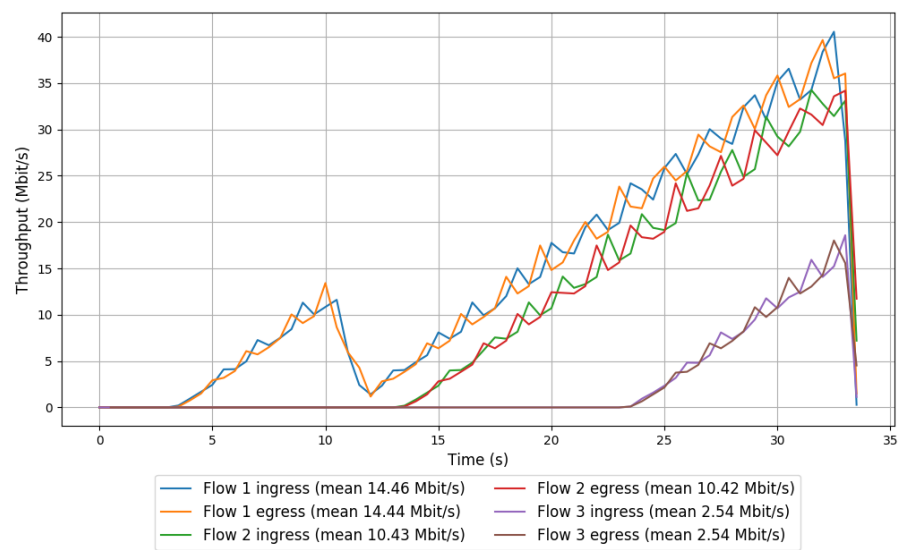
-- Flow 3:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 88.067 ms

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 19:04:45 +0000

End at: Tue, 04 Jul 2017 19:05:15 +0000

Local clock offset: 0.288 ms

Remote clock offset: -26.022 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.58 Mbit/s

95th percentile per-packet one-way delay: 119.093 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.30 Mbit/s

95th percentile per-packet one-way delay: 117.291 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.32 Mbit/s

95th percentile per-packet one-way delay: 120.961 ms

Loss rate: 0.00%

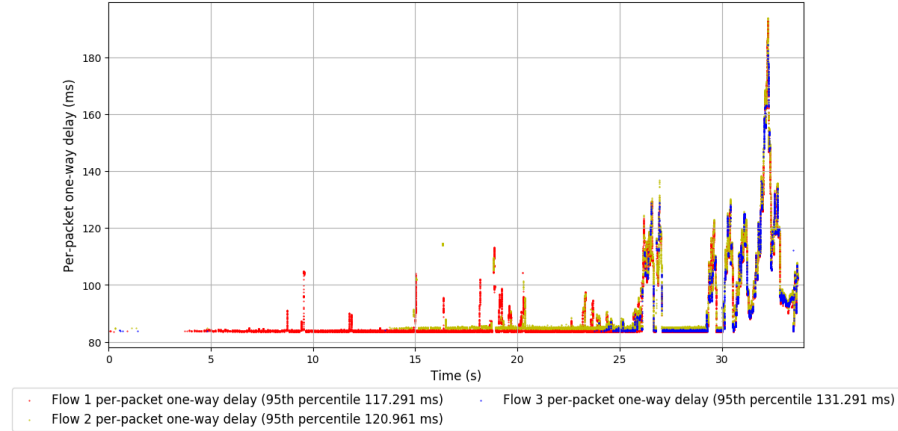
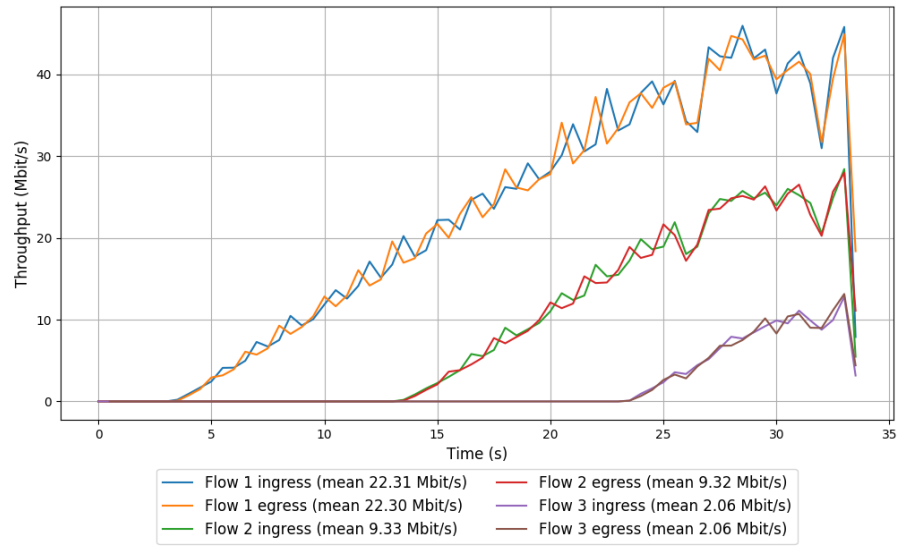
-- Flow 3:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 131.291 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 19:23:26 +0000

End at: Tue, 04 Jul 2017 19:23:56 +0000

Local clock offset: 0.387 ms

Remote clock offset: -26.812 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.21 Mbit/s

95th percentile per-packet one-way delay: 111.929 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 23.06 Mbit/s

95th percentile per-packet one-way delay: 110.191 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.99 Mbit/s

95th percentile per-packet one-way delay: 112.884 ms

Loss rate: 0.00%

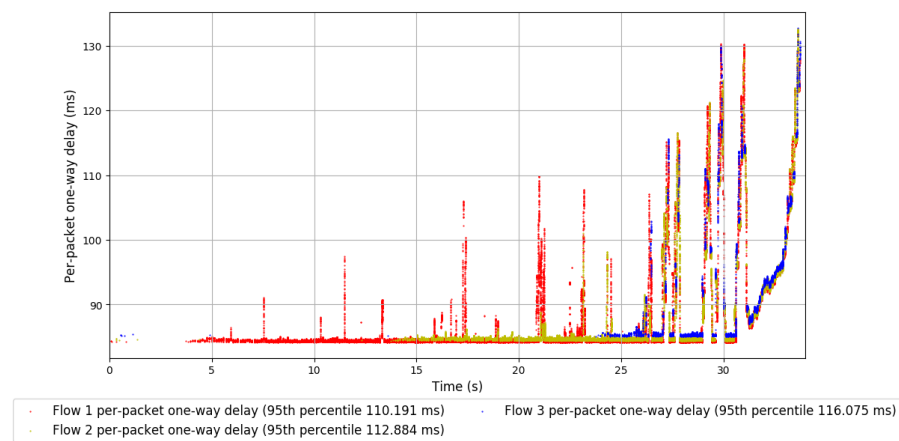
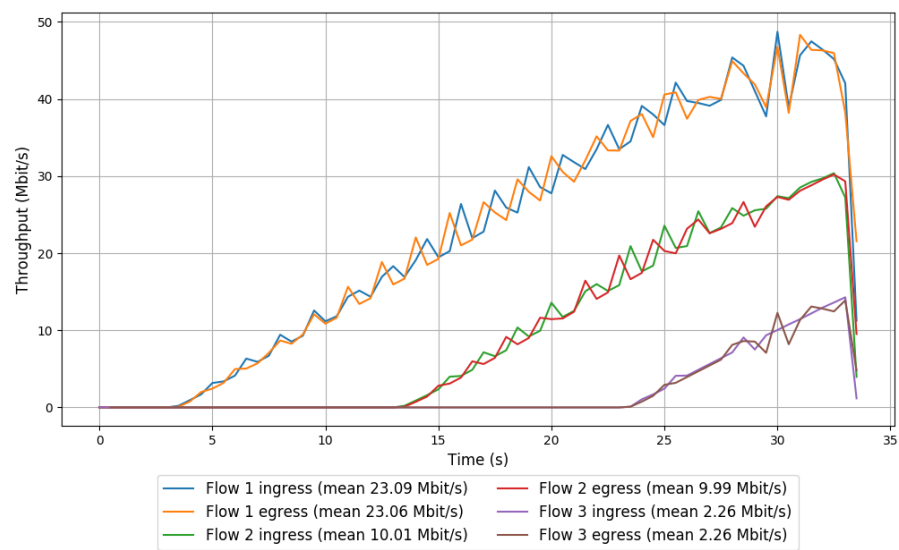
-- Flow 3:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 116.075 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 19:41:59 +0000

End at: Tue, 04 Jul 2017 19:42:29 +0000

Local clock offset: 0.437 ms

Remote clock offset: -24.755 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:27:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 32.85 Mbit/s

95th percentile per-packet one-way delay: 111.273 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 21.09 Mbit/s

95th percentile per-packet one-way delay: 108.469 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 9.90 Mbit/s

95th percentile per-packet one-way delay: 112.689 ms

Loss rate: 0.00%

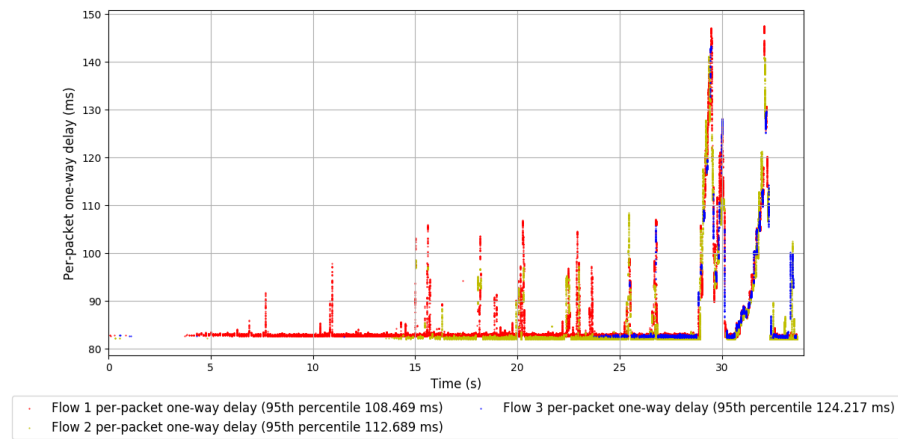
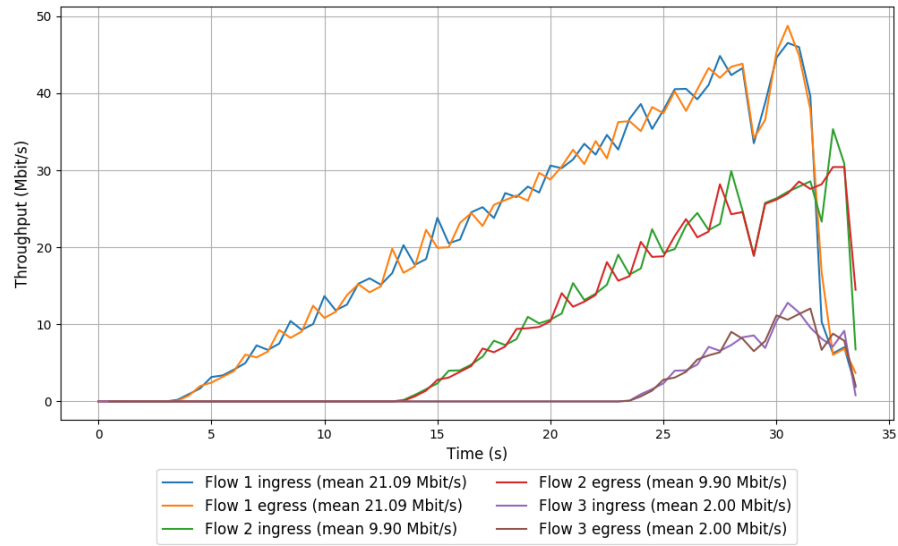
-- Flow 3:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 124.217 ms

Loss rate: 0.21%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:00:31 +0000

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

Local clock offset: 0.457 ms

Remote clock offset: -21.198 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 26.94 Mbit/s

95th percentile per-packet one-way delay: 98.132 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 18.38 Mbit/s

95th percentile per-packet one-way delay: 96.399 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 6.83 Mbit/s

95th percentile per-packet one-way delay: 100.104 ms

Loss rate: 0.20%

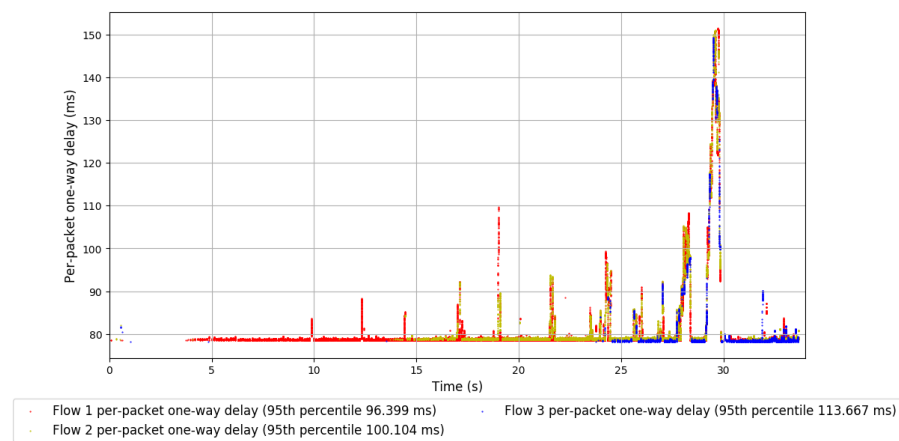
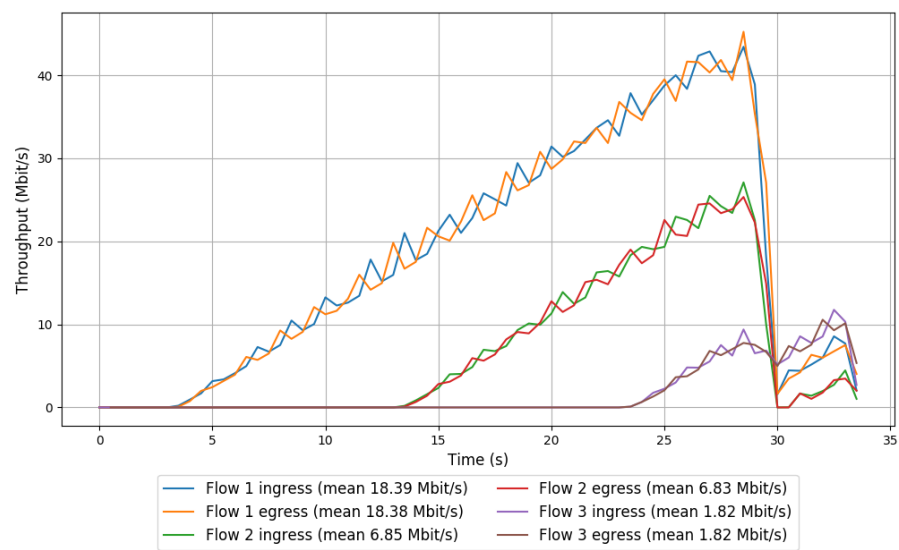
-- Flow 3:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 113.667 ms

Loss rate: 0.02%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:19:08 +0000

End at: Tue, 04 Jul 2017 20:19:38 +0000

Local clock offset: 0.498 ms

Remote clock offset: -20.91 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.60 Mbit/s

95th percentile per-packet one-way delay: 105.463 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 22.59 Mbit/s

95th percentile per-packet one-way delay: 103.888 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 9.86 Mbit/s

95th percentile per-packet one-way delay: 107.389 ms

Loss rate: 0.00%

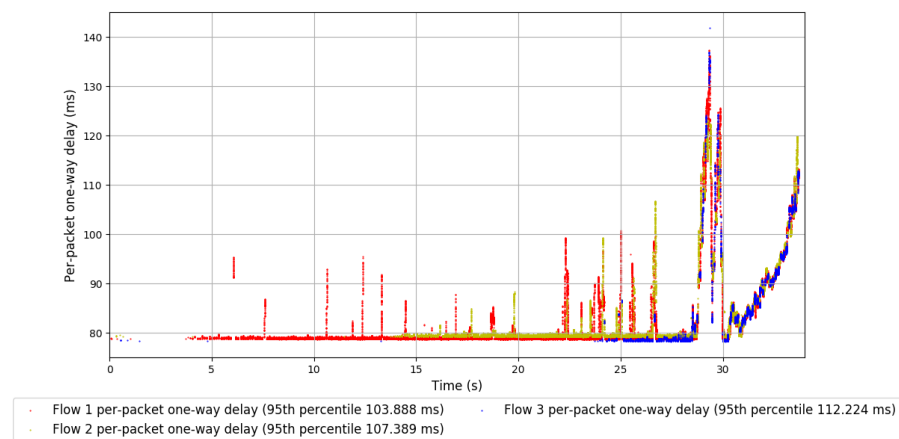
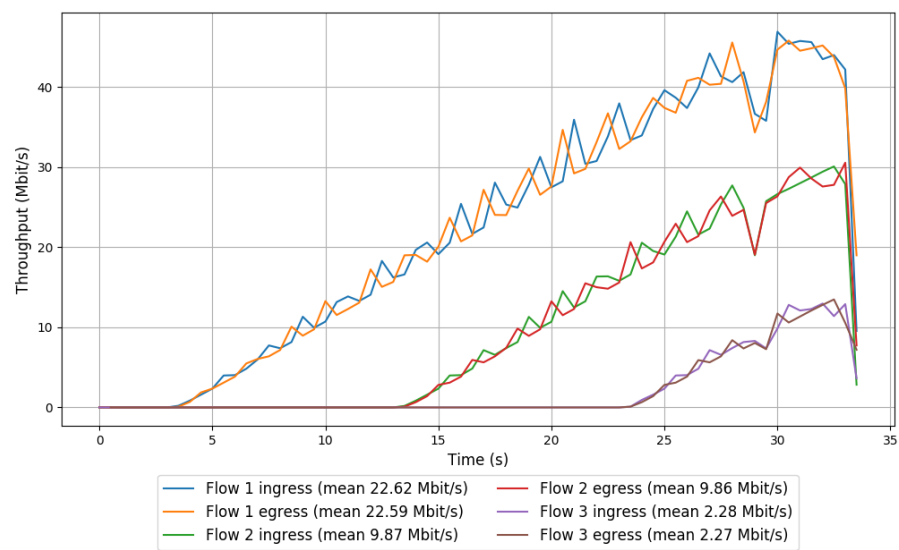
-- Flow 3:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 112.224 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:37:35 +0000

End at: Tue, 04 Jul 2017 20:38:05 +0000

Local clock offset: 0.521 ms

Remote clock offset: -20.624 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.34 Mbit/s

95th percentile per-packet one-way delay: 114.536 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.41 Mbit/s

95th percentile per-packet one-way delay: 110.735 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.86 Mbit/s

95th percentile per-packet one-way delay: 116.428 ms

Loss rate: 0.00%

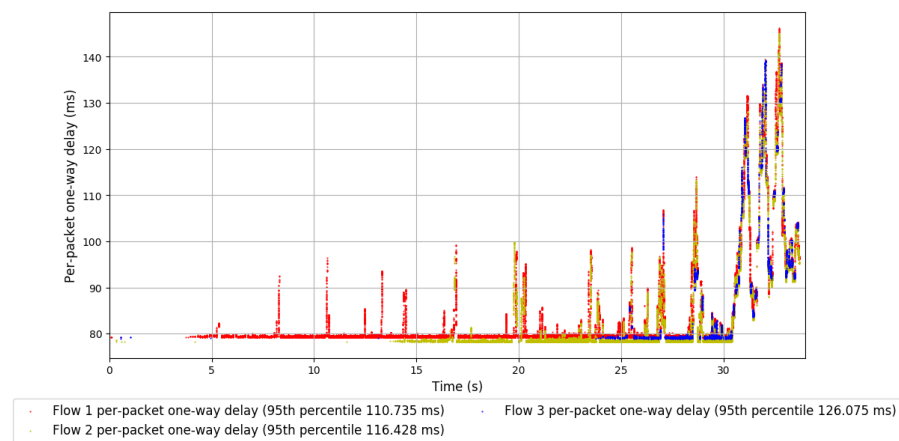
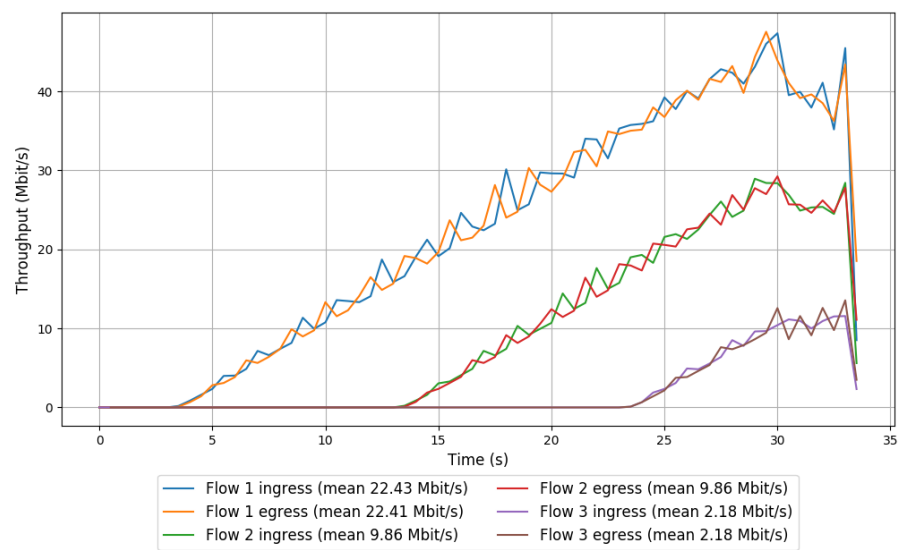
-- Flow 3:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 126.075 ms

Loss rate: 0.00%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 20:56:06 +0000

End at: Tue, 04 Jul 2017 20:56:36 +0000

Local clock offset: 0.466 ms

Remote clock offset: -20.711 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:03 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.23 Mbit/s

95th percentile per-packet one-way delay: 82.402 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 4016.090 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 85.171 ms

Loss rate: 0.12%

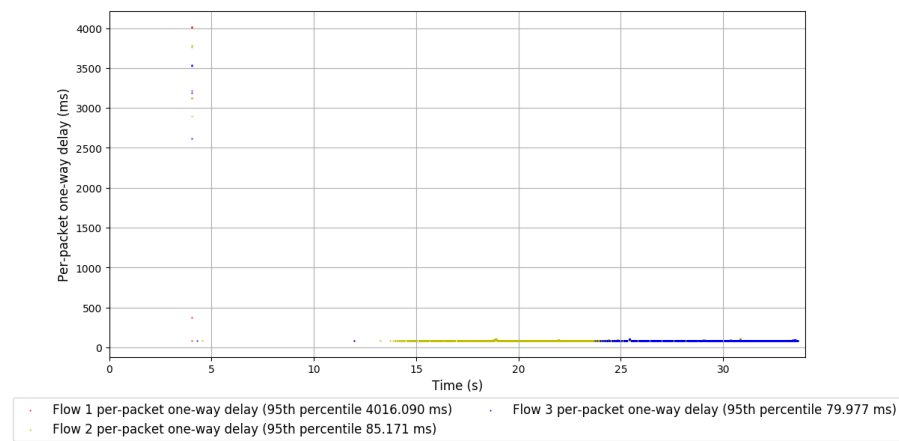
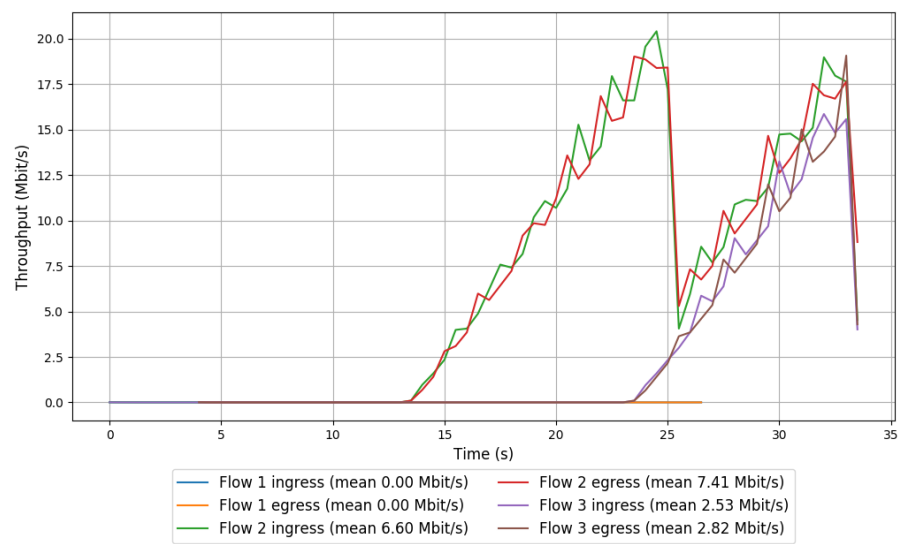
-- Flow 3:

Average throughput: 2.82 Mbit/s

95th percentile per-packet one-way delay: 79.977 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:14:39 +0000

End at: Tue, 04 Jul 2017 21:15:09 +0000

Local clock offset: 0.432 ms

Remote clock offset: -21.674 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 33.61 Mbit/s

95th percentile per-packet one-way delay: 126.232 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.26 Mbit/s

95th percentile per-packet one-way delay: 123.341 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.43 Mbit/s

95th percentile per-packet one-way delay: 128.100 ms

Loss rate: 0.00%

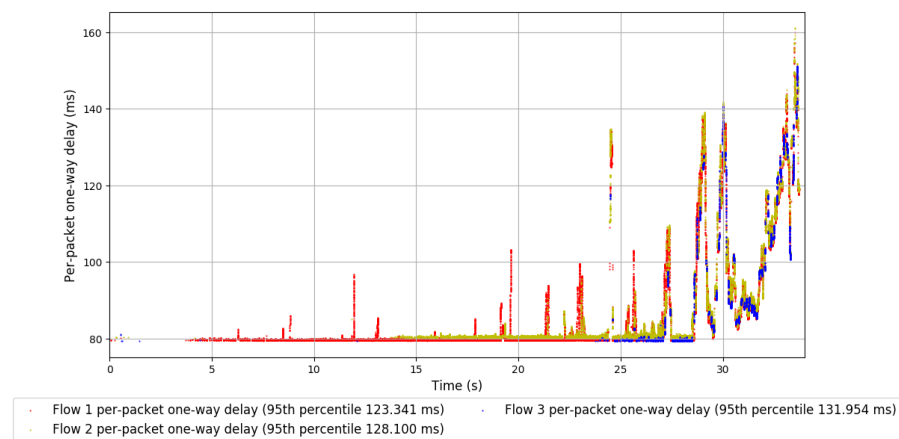
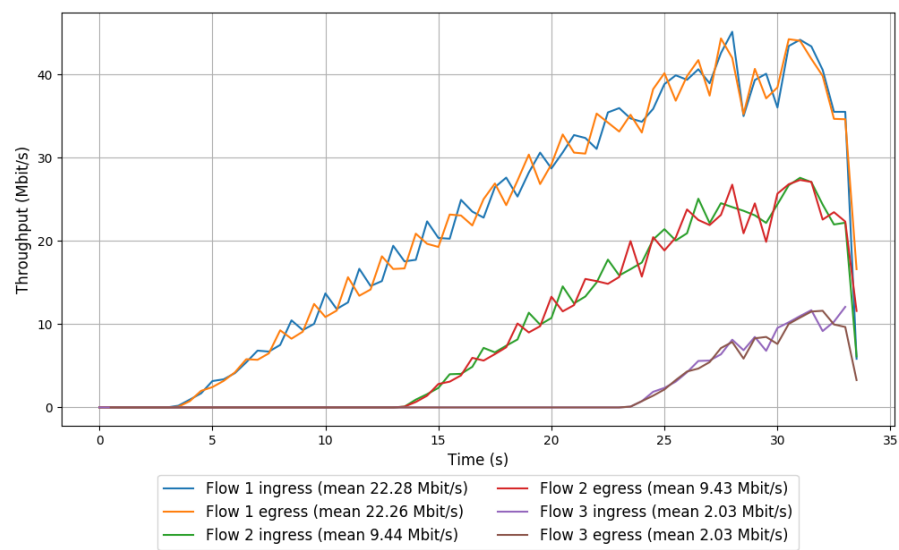
-- Flow 3:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 131.954 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 21:33:08 +0000

End at: Tue, 04 Jul 2017 21:33:38 +0000

Local clock offset: 0.357 ms

Remote clock offset: -23.132 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 34.25 Mbit/s

95th percentile per-packet one-way delay: 114.566 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.36 Mbit/s

95th percentile per-packet one-way delay: 111.375 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 9.78 Mbit/s

95th percentile per-packet one-way delay: 116.027 ms

Loss rate: 0.00%

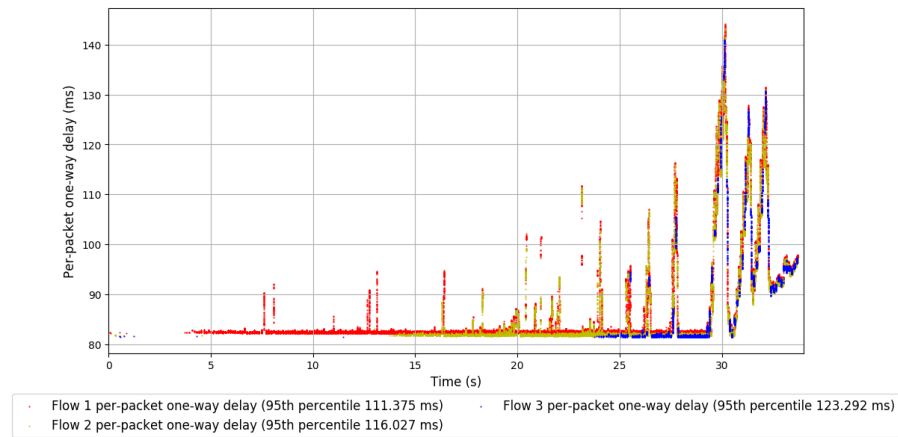
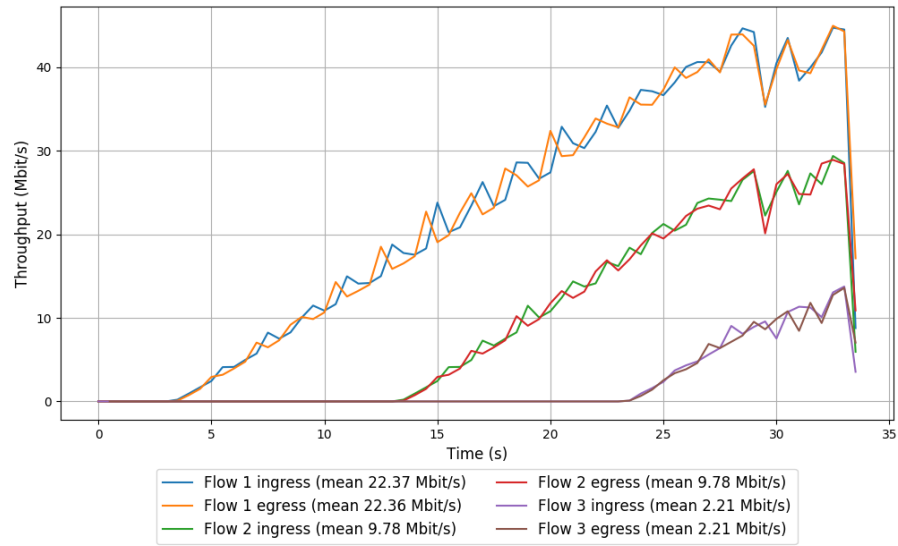
-- Flow 3:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 123.292 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Tue, 04 Jul 2017 18:37:20 +0000

End at: Tue, 04 Jul 2017 18:37:50 +0000

Local clock offset: 0.022 ms

Remote clock offset: -25.458 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:18 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.47 Mbit/s

95th percentile per-packet one-way delay: 931.253 ms

Loss rate: 3.85%

-- Flow 1:

Average throughput: 58.06 Mbit/s

95th percentile per-packet one-way delay: 931.157 ms

Loss rate: 1.86%

-- Flow 2:

Average throughput: 8.65 Mbit/s

95th percentile per-packet one-way delay: 931.157 ms

Loss rate: 2.89%

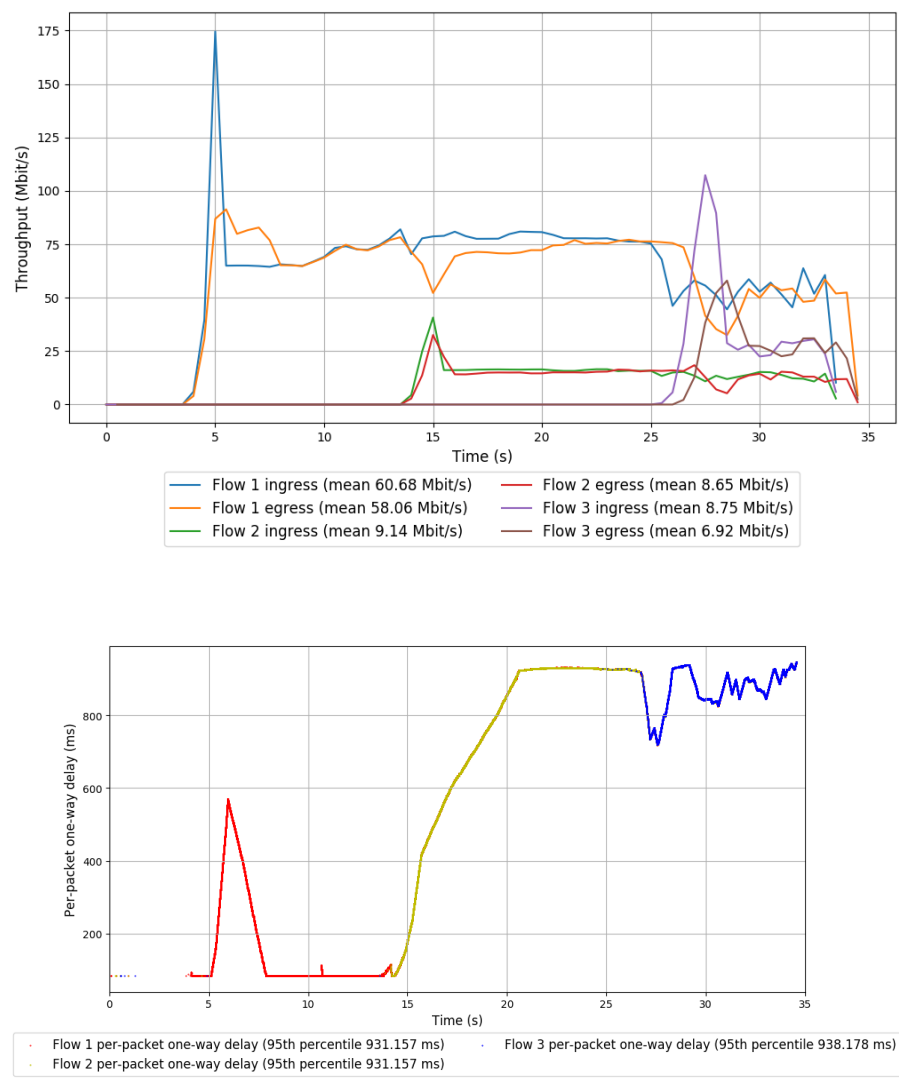
-- Flow 3:

Average throughput: 6.92 Mbit/s

95th percentile per-packet one-way delay: 938.178 ms

Loss rate: 18.86%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 04 Jul 2017 18:55:51 +0000

End at: Tue, 04 Jul 2017 18:56:21 +0000

Local clock offset: 0.29 ms

Remote clock offset: -25.969 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.99 Mbit/s

95th percentile per-packet one-way delay: 935.334 ms

Loss rate: 12.24%

-- Flow 1:

Average throughput: 49.75 Mbit/s

95th percentile per-packet one-way delay: 932.984 ms

Loss rate: 4.72%

-- Flow 2:

Average throughput: 15.51 Mbit/s

95th percentile per-packet one-way delay: 935.944 ms

Loss rate: 9.00%

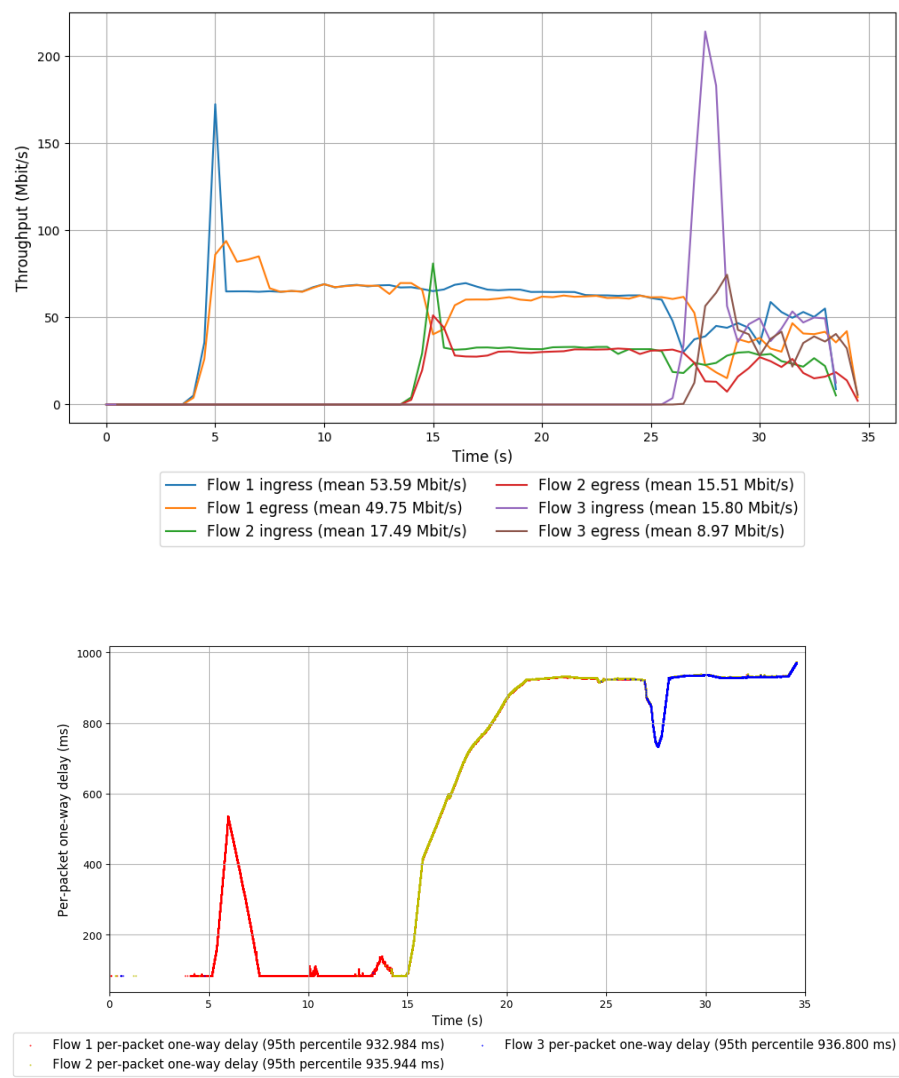
-- Flow 3:

Average throughput: 8.97 Mbit/s

95th percentile per-packet one-way delay: 936.800 ms

Loss rate: 41.71%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Tue, 04 Jul 2017 19:14:42 +0000

End at: Tue, 04 Jul 2017 19:15:12 +0000

Local clock offset: 0.434 ms

Remote clock offset: -26.648 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 72.93 Mbit/s

95th percentile per-packet one-way delay: 933.719 ms

Loss rate: 11.72%

-- Flow 1:

Average throughput: 58.45 Mbit/s

95th percentile per-packet one-way delay: 932.938 ms

Loss rate: 4.87%

-- Flow 2:

Average throughput: 4.19 Mbit/s

95th percentile per-packet one-way delay: 932.260 ms

Loss rate: 10.95%

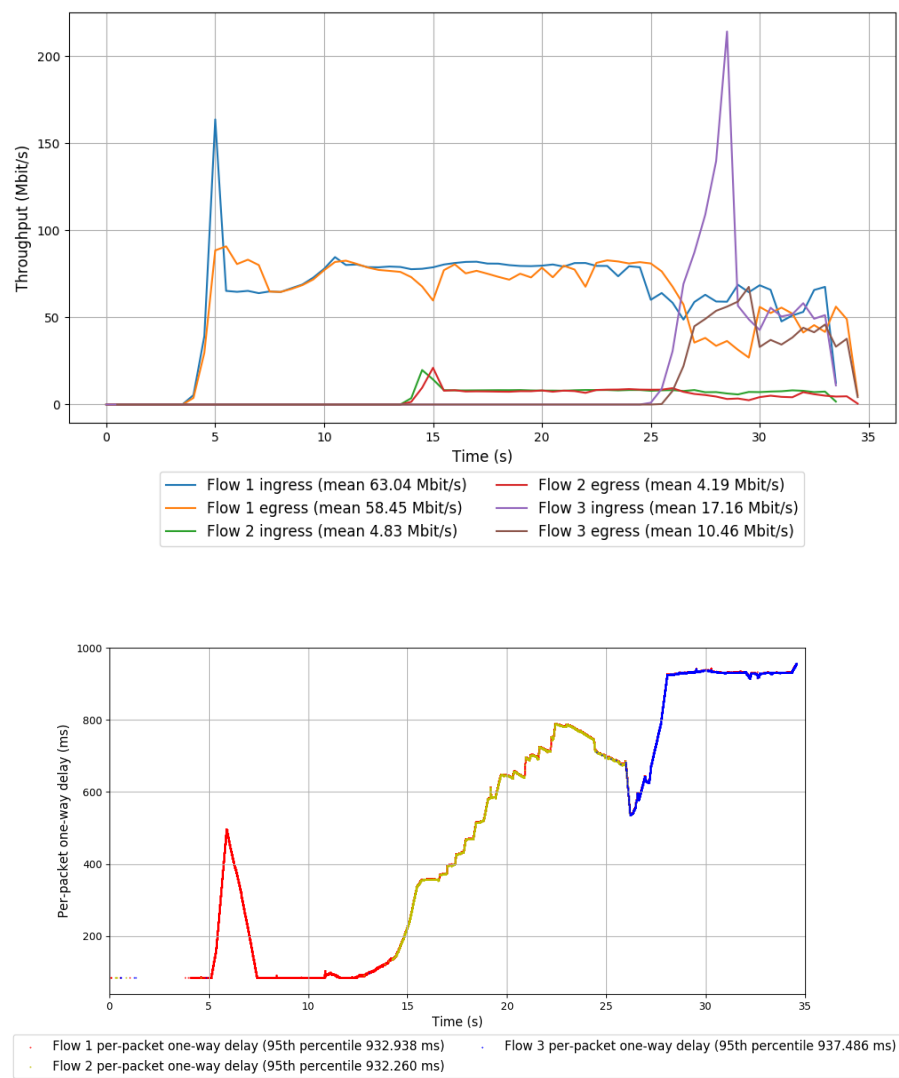
-- Flow 3:

Average throughput: 10.46 Mbit/s

95th percentile per-packet one-way delay: 937.486 ms

Loss rate: 37.45%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 04 Jul 2017 19:33:15 +0000

End at: Tue, 04 Jul 2017 19:33:45 +0000

Local clock offset: 0.487 ms

Remote clock offset: -26.426 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 73.93 Mbit/s

95th percentile per-packet one-way delay: 935.474 ms

Loss rate: 11.78%

-- Flow 1:

Average throughput: 56.03 Mbit/s

95th percentile per-packet one-way delay: 932.704 ms

Loss rate: 5.23%

-- Flow 2:

Average throughput: 8.20 Mbit/s

95th percentile per-packet one-way delay: 933.180 ms

Loss rate: 11.29%

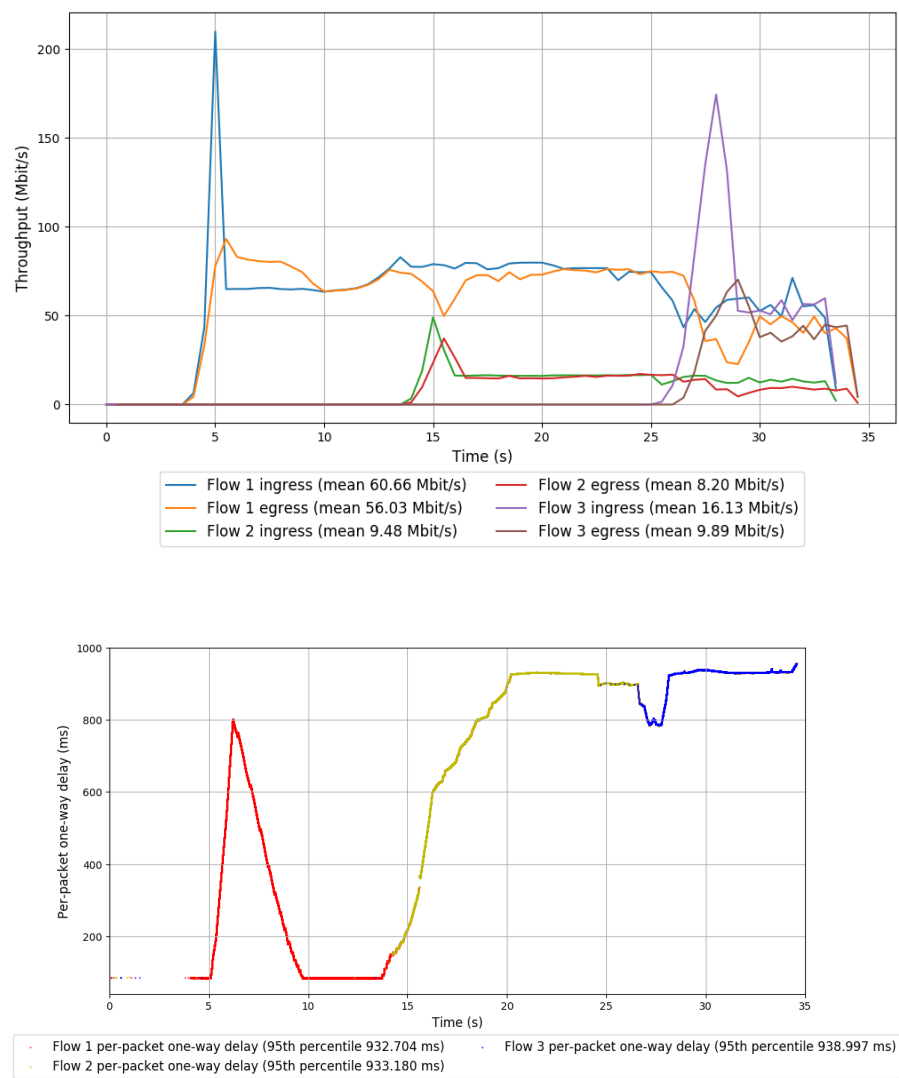
-- Flow 3:

Average throughput: 9.89 Mbit/s

95th percentile per-packet one-way delay: 938.997 ms

Loss rate: 37.06%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Tue, 04 Jul 2017 19:51:55 +0000

End at: Tue, 04 Jul 2017 19:52:25 +0000

Local clock offset: 0.428 ms

Remote clock offset: -22.597 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.90 Mbit/s

95th percentile per-packet one-way delay: 932.797 ms

Loss rate: 11.84%

-- Flow 1:

Average throughput: 57.79 Mbit/s

95th percentile per-packet one-way delay: 930.006 ms

Loss rate: 5.07%

-- Flow 2:

Average throughput: 4.02 Mbit/s

95th percentile per-packet one-way delay: 929.828 ms

Loss rate: 10.72%

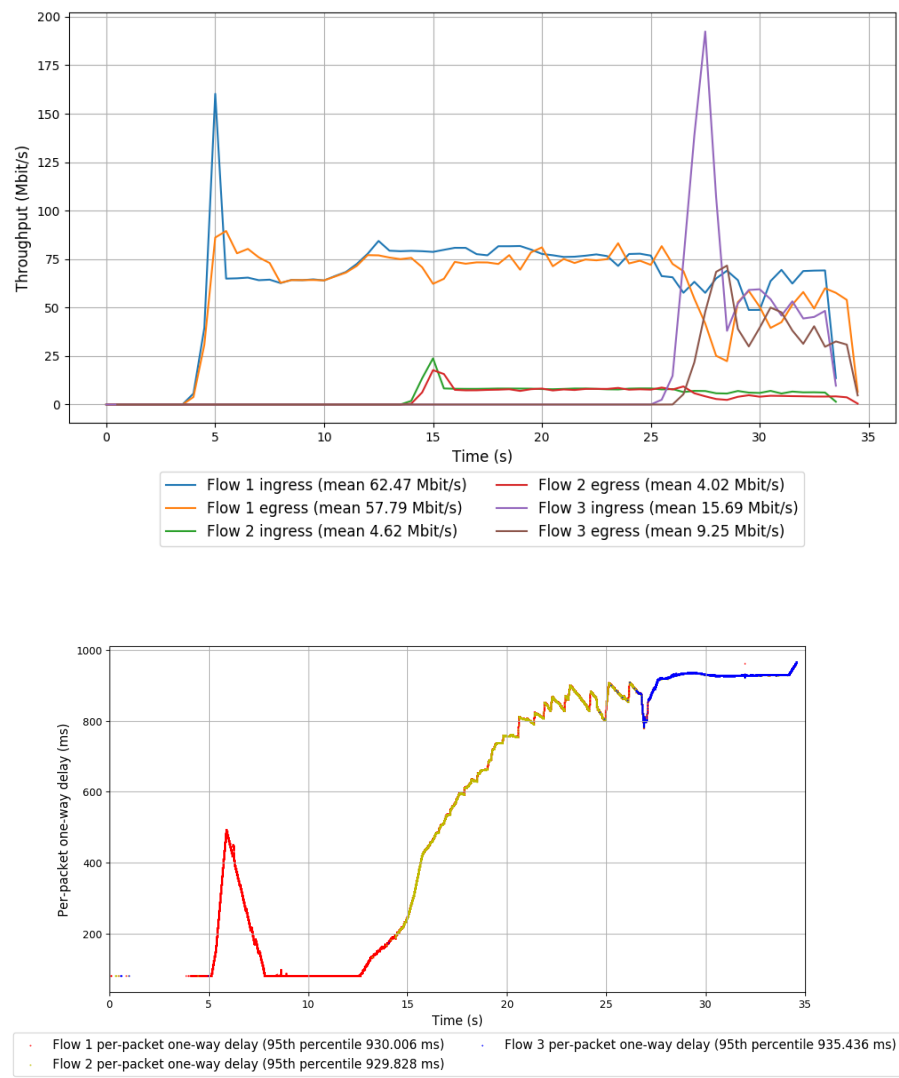
-- Flow 3:

Average throughput: 9.25 Mbit/s

95th percentile per-packet one-way delay: 935.436 ms

Loss rate: 39.50%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Tue, 04 Jul 2017 20:10:25 +0000

End at: Tue, 04 Jul 2017 20:10:55 +0000

Local clock offset: 0.449 ms

Remote clock offset: -20.76 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 60.22 Mbit/s

95th percentile per-packet one-way delay: 545.841 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 50.81 Mbit/s

95th percentile per-packet one-way delay: 546.328 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 8.37 Mbit/s

95th percentile per-packet one-way delay: 552.440 ms

Loss rate: 0.00%

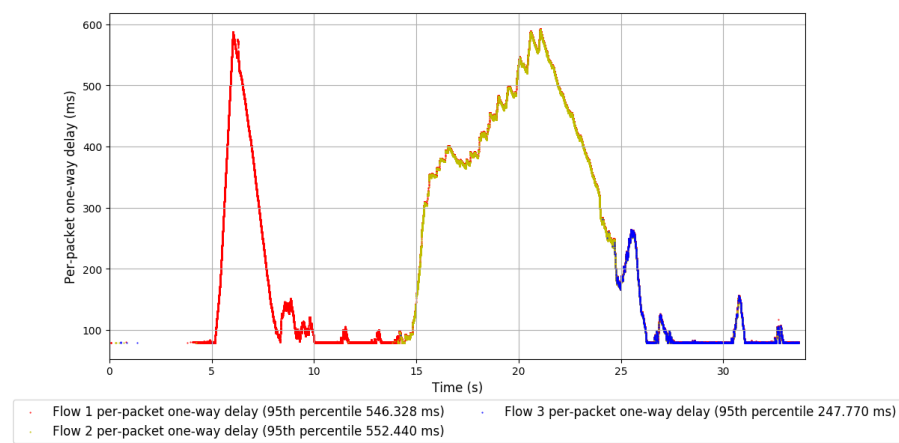
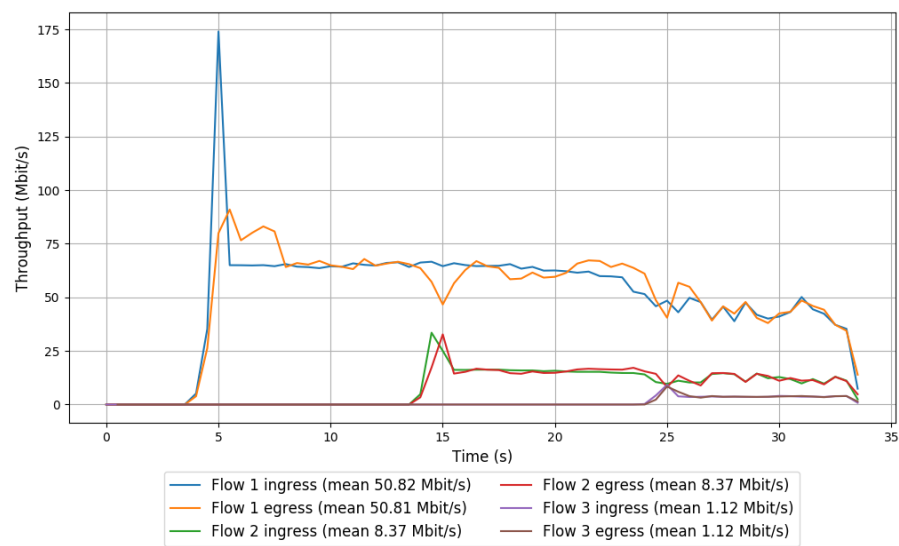
-- Flow 3:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 247.770 ms

Loss rate: 0.00%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Tue, 04 Jul 2017 20:29:00 +0000

End at: Tue, 04 Jul 2017 20:29:30 +0000

Local clock offset: 0.437 ms

Remote clock offset: -20.702 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 61.80 Mbit/s

95th percentile per-packet one-way delay: 369.576 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 57.35 Mbit/s

95th percentile per-packet one-way delay: 383.903 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 340.693 ms

Loss rate: 0.03%

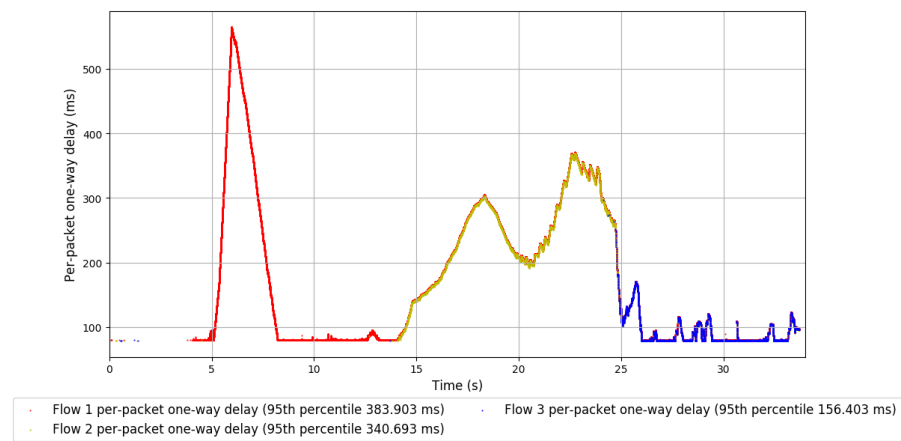
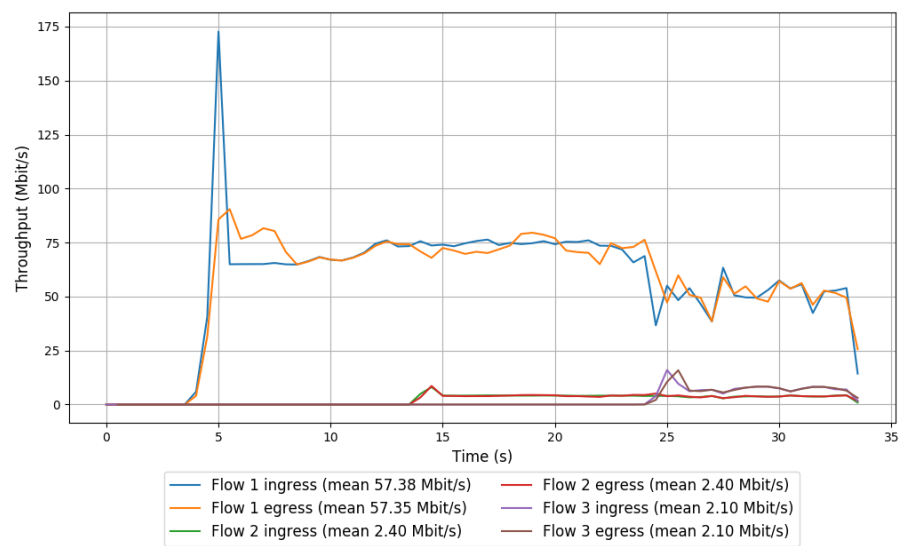
-- Flow 3:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 156.403 ms

Loss rate: 0.03%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Tue, 04 Jul 2017 20:47:27 +0000

End at: Tue, 04 Jul 2017 20:47:57 +0000

Local clock offset: 0.48 ms

Remote clock offset: -20.862 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:28:56 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.02 Mbit/s

95th percentile per-packet one-way delay: 902.651 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 58.22 Mbit/s

95th percentile per-packet one-way delay: 882.746 ms

Loss rate: 0.46%

-- Flow 2:

Average throughput: 4.61 Mbit/s

95th percentile per-packet one-way delay: 899.517 ms

Loss rate: 1.21%

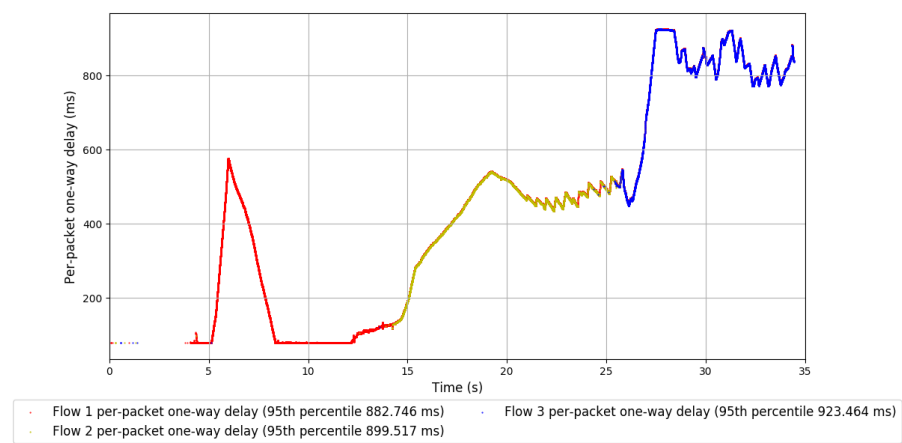
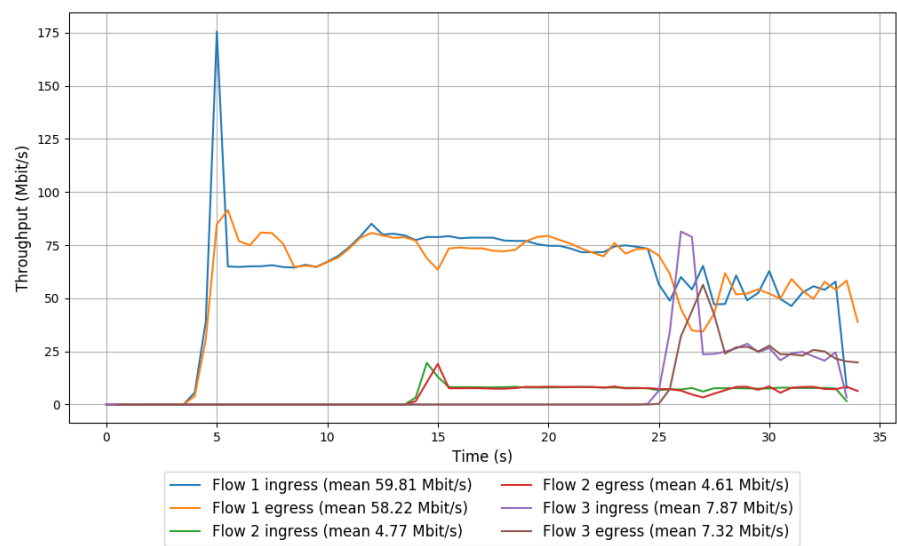
-- Flow 3:

Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 923.464 ms

Loss rate: 4.80%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Tue, 04 Jul 2017 21:06:02 +0000

End at: Tue, 04 Jul 2017 21:06:32 +0000

Local clock offset: 0.407 ms

Remote clock offset: -21.023 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.90 Mbit/s

95th percentile per-packet one-way delay: 928.386 ms

Loss rate: 10.97%

-- Flow 1:

Average throughput: 51.98 Mbit/s

95th percentile per-packet one-way delay: 926.069 ms

Loss rate: 4.75%

-- Flow 2:

Average throughput: 8.41 Mbit/s

95th percentile per-packet one-way delay: 927.316 ms

Loss rate: 8.12%

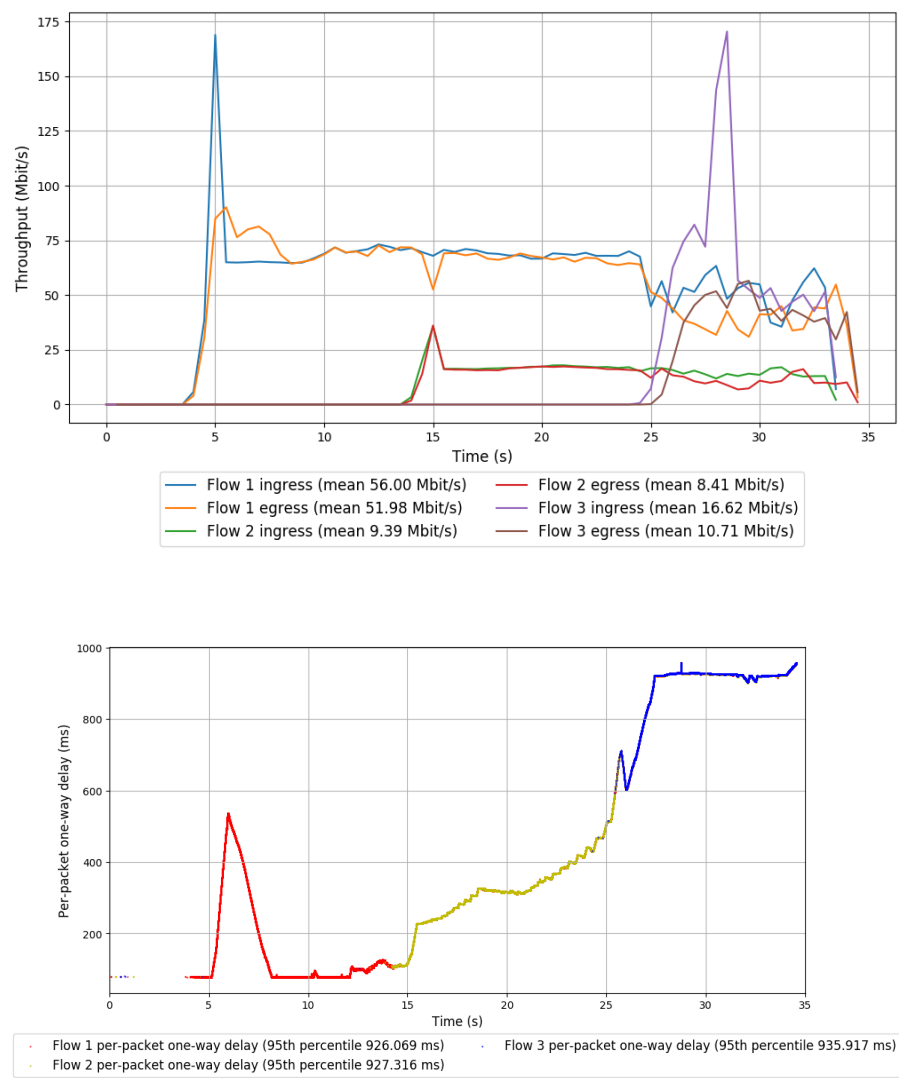
-- Flow 3:

Average throughput: 10.71 Mbit/s

95th percentile per-packet one-way delay: 935.917 ms

Loss rate: 33.85%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Tue, 04 Jul 2017 21:24:25 +0000

End at: Tue, 04 Jul 2017 21:24:55 +0000

Local clock offset: 0.388 ms

Remote clock offset: -22.878 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:08 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 66.65 Mbit/s

95th percentile per-packet one-way delay: 851.196 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 60.37 Mbit/s

95th percentile per-packet one-way delay: 850.330 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 4.88 Mbit/s

95th percentile per-packet one-way delay: 853.765 ms

Loss rate: 0.00%

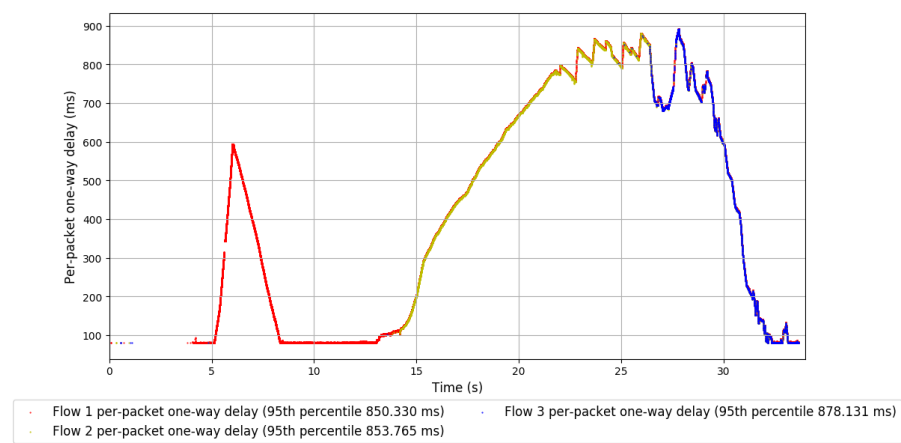
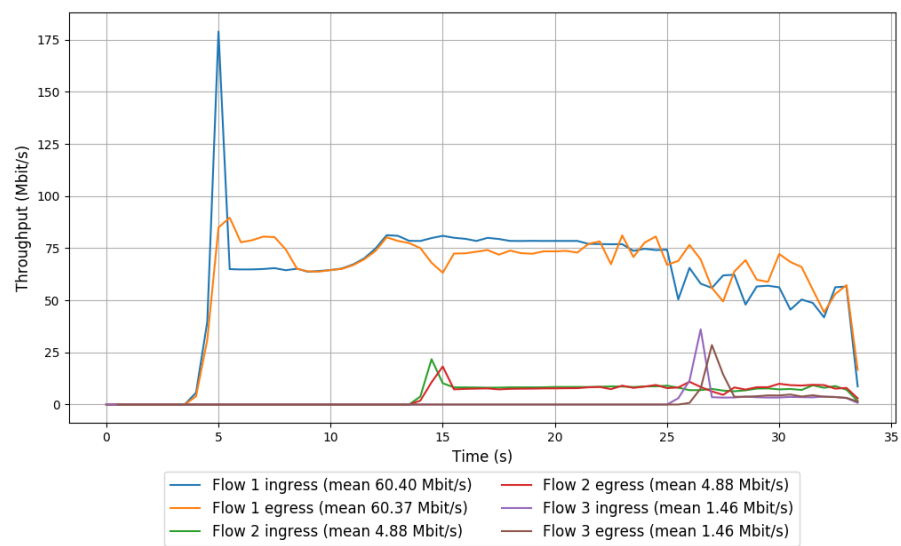
-- Flow 3:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 878.131 ms

Loss rate: 0.00%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 18:43:29 +0000

End at: Tue, 04 Jul 2017 18:43:59 +0000

Local clock offset: 0.11 ms

Remote clock offset: -26.073 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:13 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.83 Mbit/s

95th percentile per-packet one-way delay: 272.141 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 16.45 Mbit/s

95th percentile per-packet one-way delay: 205.042 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.33 Mbit/s

95th percentile per-packet one-way delay: 293.691 ms

Loss rate: 0.00%

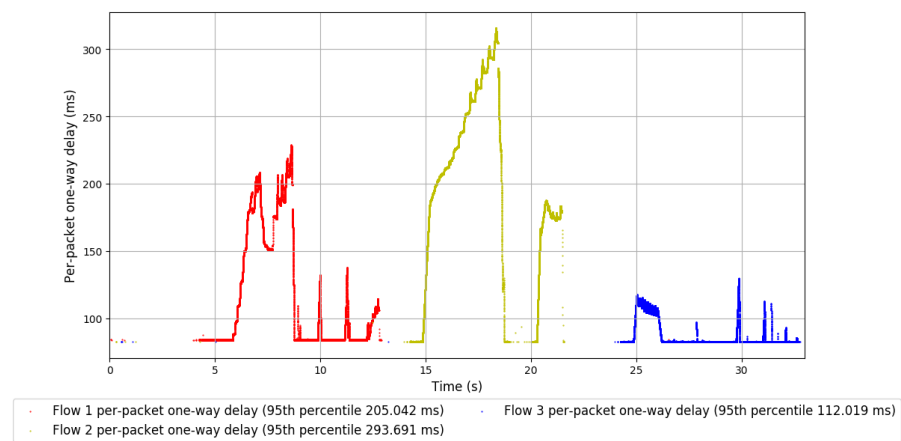
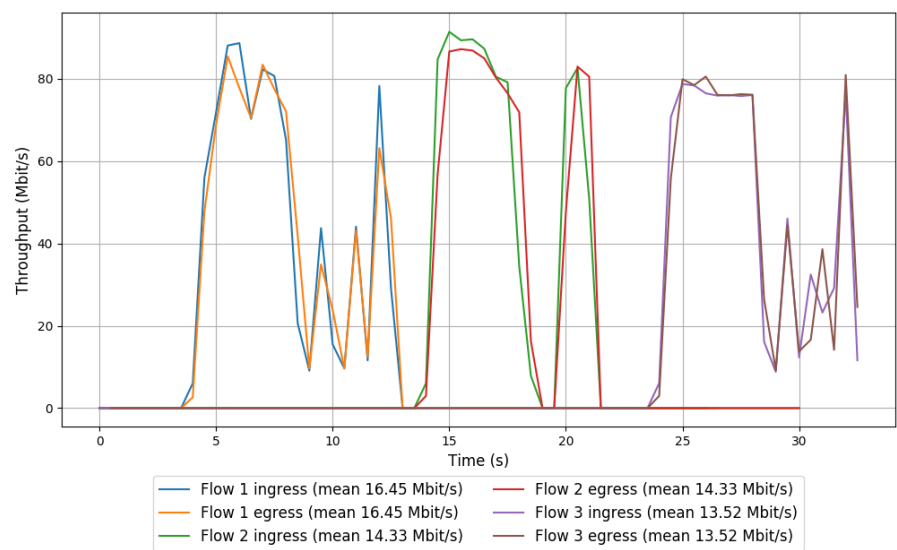
-- Flow 3:

Average throughput: 13.52 Mbit/s

95th percentile per-packet one-way delay: 112.019 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 19:02:07 +0000

End at: Tue, 04 Jul 2017 19:02:37 +0000

Local clock offset: 0.325 ms

Remote clock offset: -26.314 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.36 Mbit/s

95th percentile per-packet one-way delay: 178.108 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 16.80 Mbit/s

95th percentile per-packet one-way delay: 190.066 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.42 Mbit/s

95th percentile per-packet one-way delay: 177.344 ms

Loss rate: 0.00%

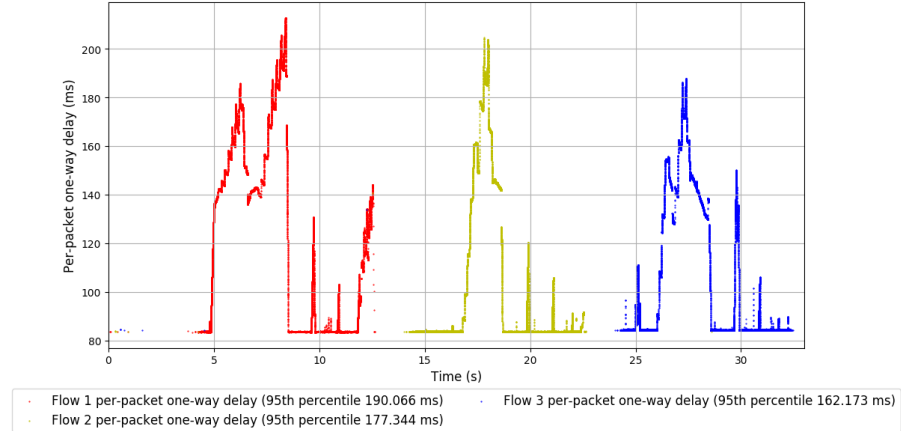
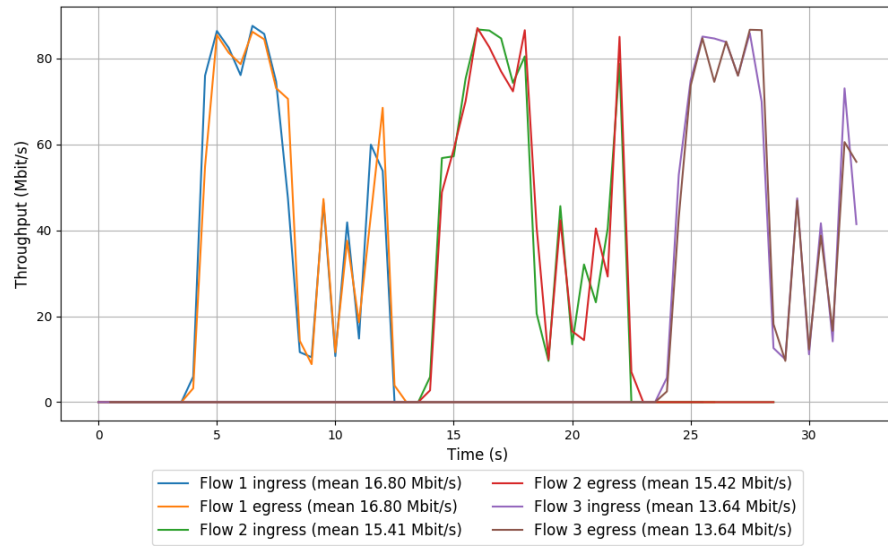
-- Flow 3:

Average throughput: 13.64 Mbit/s

95th percentile per-packet one-way delay: 162.173 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 19:20:57 +0000

End at: Tue, 04 Jul 2017 19:21:27 +0000

Local clock offset: 0.449 ms

Remote clock offset: -26.51 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 48.75 Mbit/s

95th percentile per-packet one-way delay: 200.480 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 18.96 Mbit/s

95th percentile per-packet one-way delay: 224.320 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.31 Mbit/s

95th percentile per-packet one-way delay: 137.626 ms

Loss rate: 0.00%

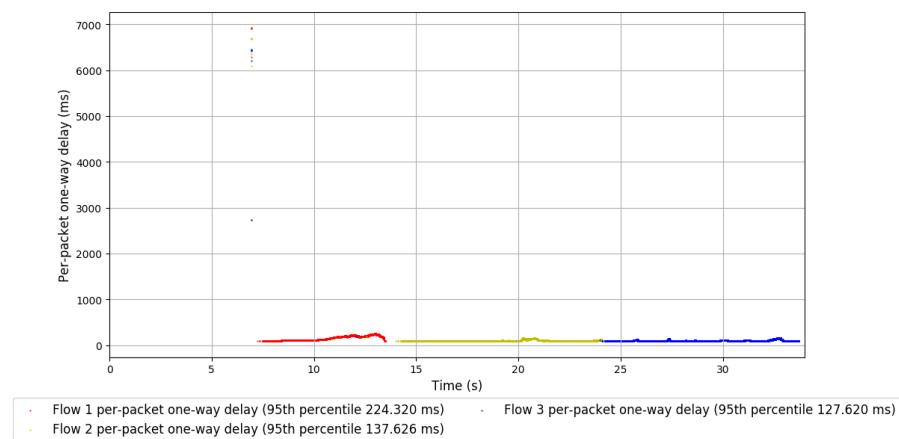
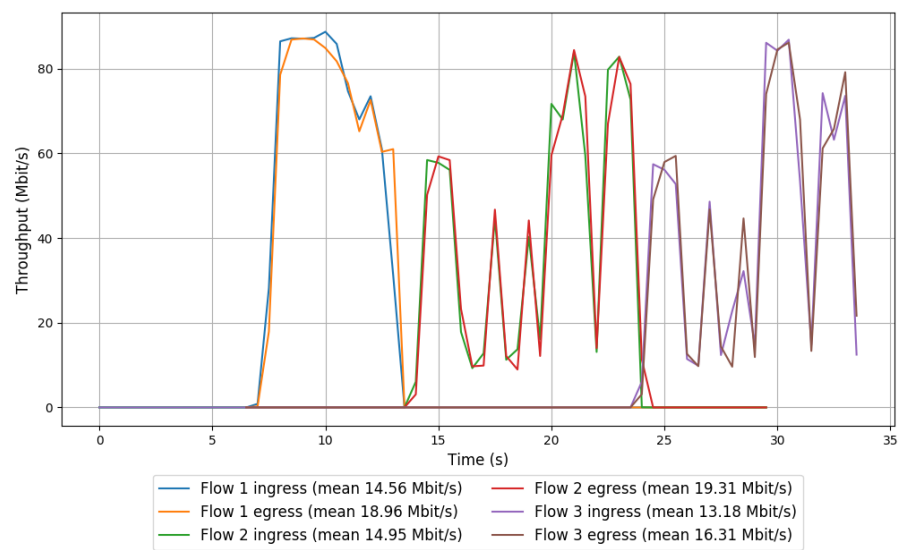
-- Flow 3:

Average throughput: 16.31 Mbit/s

95th percentile per-packet one-way delay: 127.620 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 19:39:30 +0000

End at: Tue, 04 Jul 2017 19:40:00 +0000

Local clock offset: 0.499 ms

Remote clock offset: -25.977 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:21 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.84 Mbit/s

95th percentile per-packet one-way delay: 195.382 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 16.81 Mbit/s

95th percentile per-packet one-way delay: 180.413 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.73 Mbit/s

95th percentile per-packet one-way delay: 207.666 ms

Loss rate: 0.00%

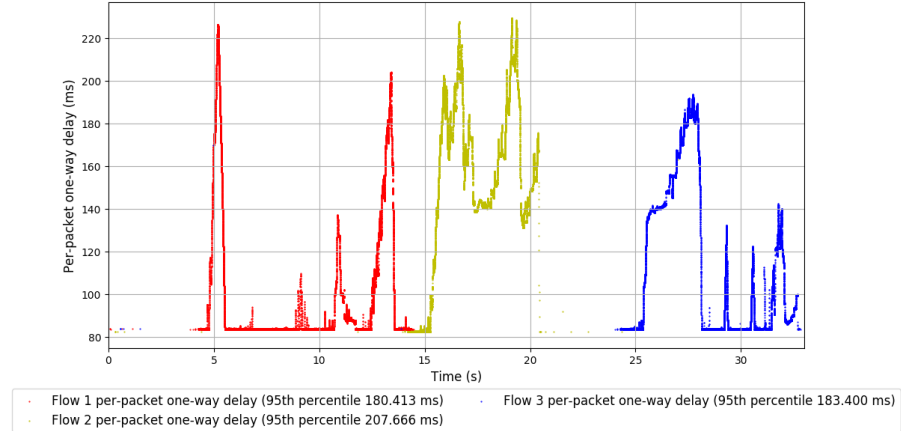
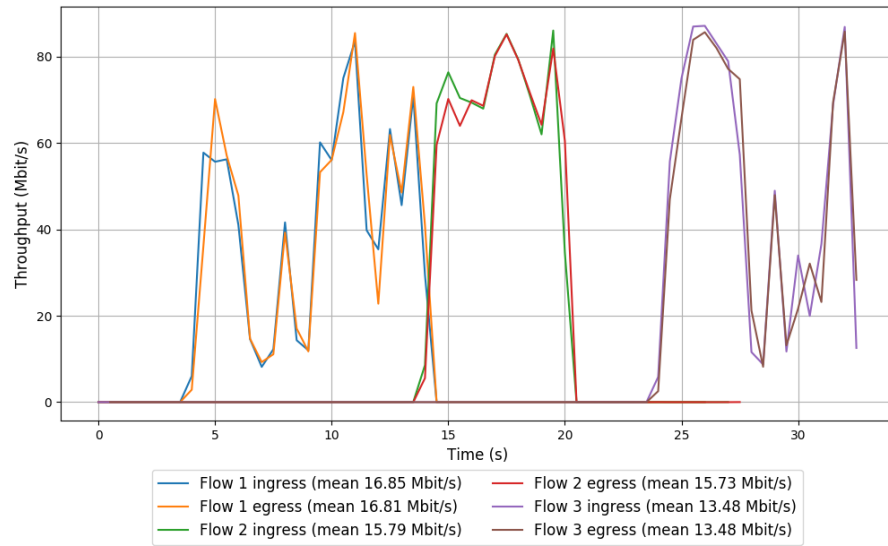
-- Flow 3:

Average throughput: 13.48 Mbit/s

95th percentile per-packet one-way delay: 183.400 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 19:58:03 +0000

End at: Tue, 04 Jul 2017 19:58:33 +0000

Local clock offset: 0.46 ms

Remote clock offset: -21.033 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.39 Mbit/s

95th percentile per-packet one-way delay: 196.417 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 15.50 Mbit/s

95th percentile per-packet one-way delay: 229.407 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 17.28 Mbit/s

95th percentile per-packet one-way delay: 194.072 ms

Loss rate: 0.05%

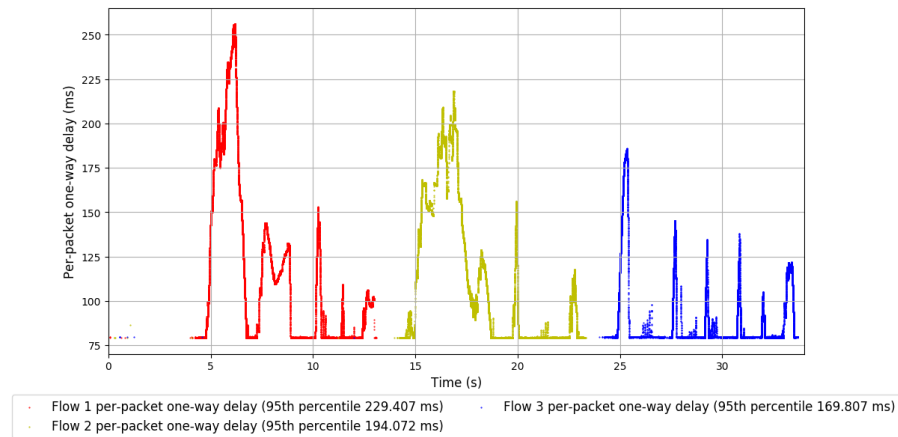
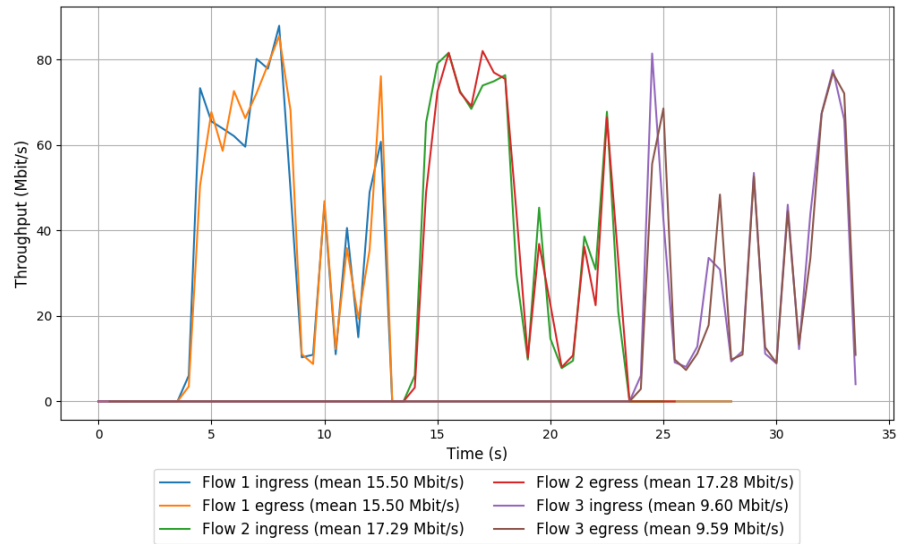
-- Flow 3:

Average throughput: 9.59 Mbit/s

95th percentile per-packet one-way delay: 169.807 ms

Loss rate: 0.15%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 20:16:39 +0000

End at: Tue, 04 Jul 2017 20:17:09 +0000

Local clock offset: 0.454 ms

Remote clock offset: -21.182 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:28 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 42.36 Mbit/s

95th percentile per-packet one-way delay: 324.610 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 14.86 Mbit/s

95th percentile per-packet one-way delay: 162.208 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.49 Mbit/s

95th percentile per-packet one-way delay: 184.157 ms

Loss rate: 0.00%

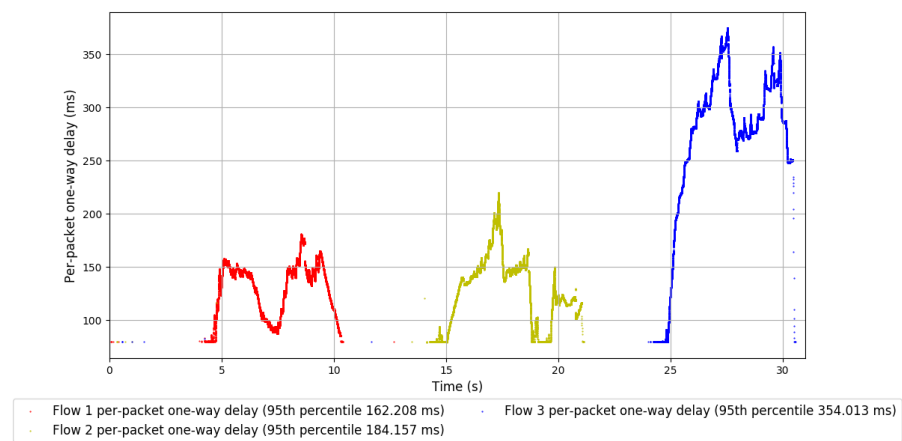
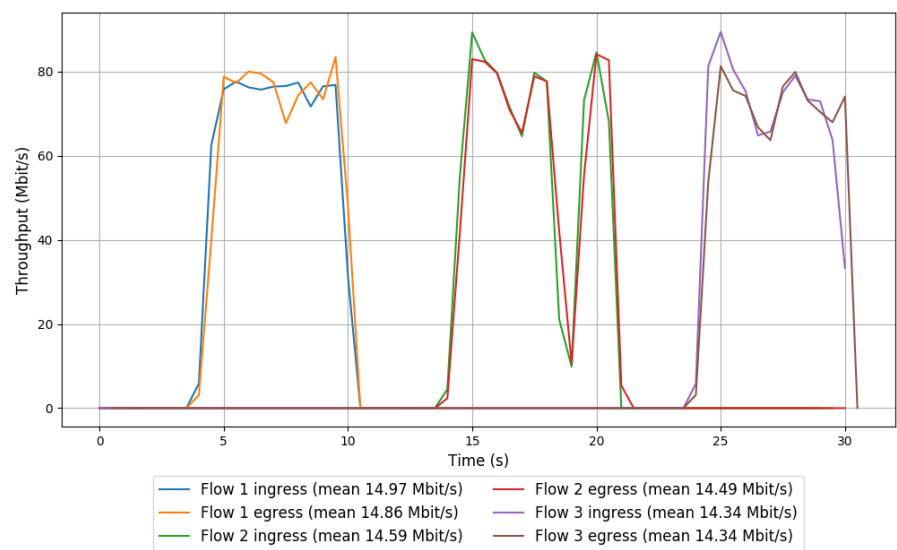
-- Flow 3:

Average throughput: 14.34 Mbit/s

95th percentile per-packet one-way delay: 354.013 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 20:35:06 +0000

End at: Tue, 04 Jul 2017 20:35:36 +0000

Local clock offset: 0.483 ms

Remote clock offset: -20.261 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 44.30 Mbit/s

95th percentile per-packet one-way delay: 186.772 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 15.88 Mbit/s

95th percentile per-packet one-way delay: 189.848 ms

Loss rate: 0.33%

-- Flow 2:

Average throughput: 14.77 Mbit/s

95th percentile per-packet one-way delay: 189.450 ms

Loss rate: 0.00%

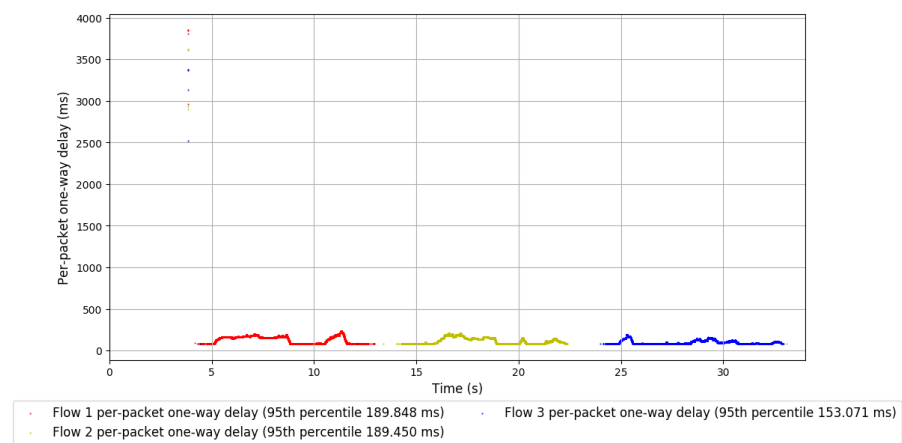
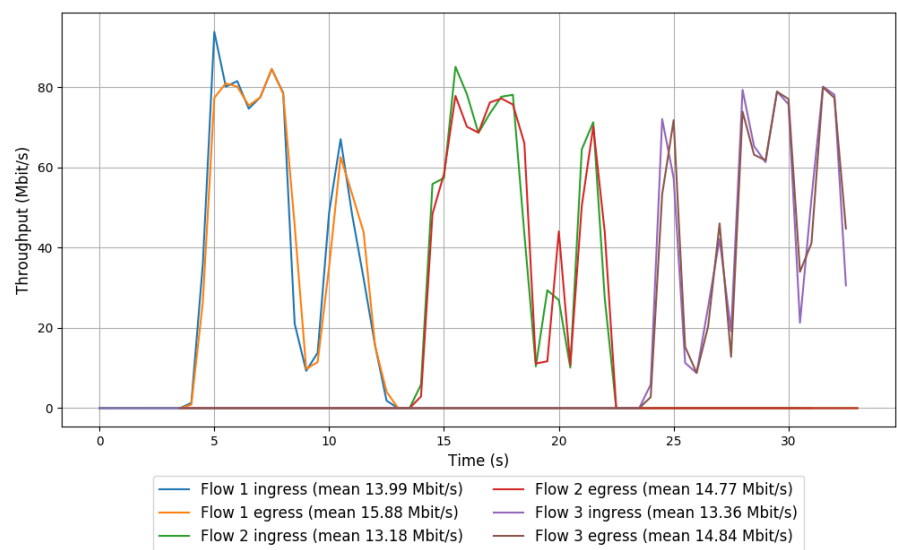
-- Flow 3:

Average throughput: 14.84 Mbit/s

95th percentile per-packet one-way delay: 153.071 ms

Loss rate: 0.22%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 20:53:37 +0000

End at: Tue, 04 Jul 2017 20:54:07 +0000

Local clock offset: 0.472 ms

Remote clock offset: -20.385 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:35 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.66 Mbit/s

95th percentile per-packet one-way delay: 262.248 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 14.46 Mbit/s

95th percentile per-packet one-way delay: 168.349 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.86 Mbit/s

95th percentile per-packet one-way delay: 286.907 ms

Loss rate: 0.01%

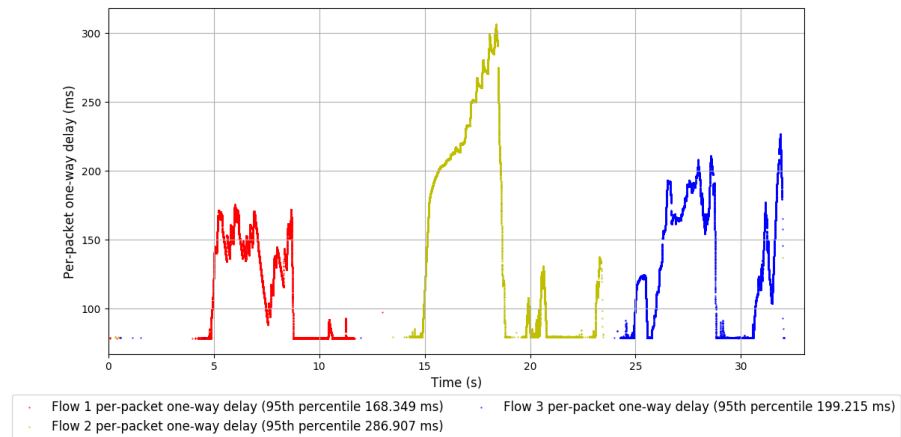
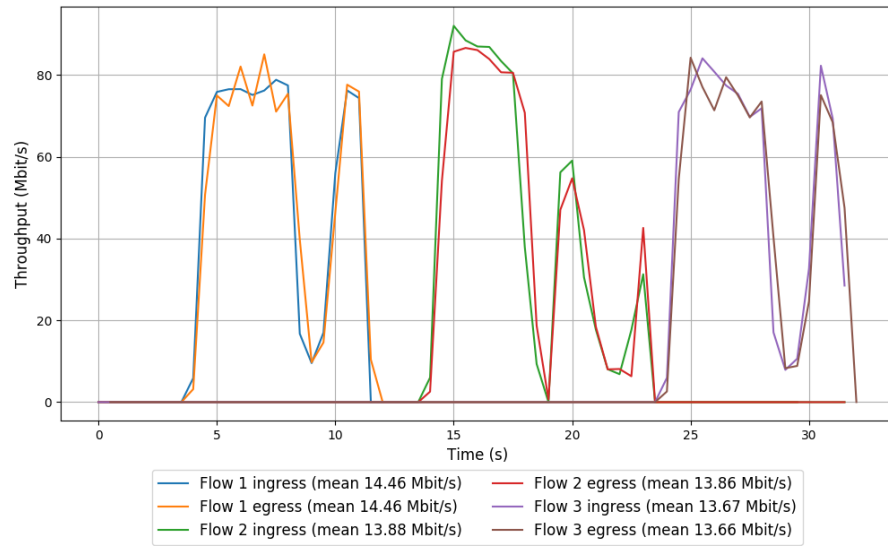
-- Flow 3:

Average throughput: 13.66 Mbit/s

95th percentile per-packet one-way delay: 199.215 ms

Loss rate: 0.05%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

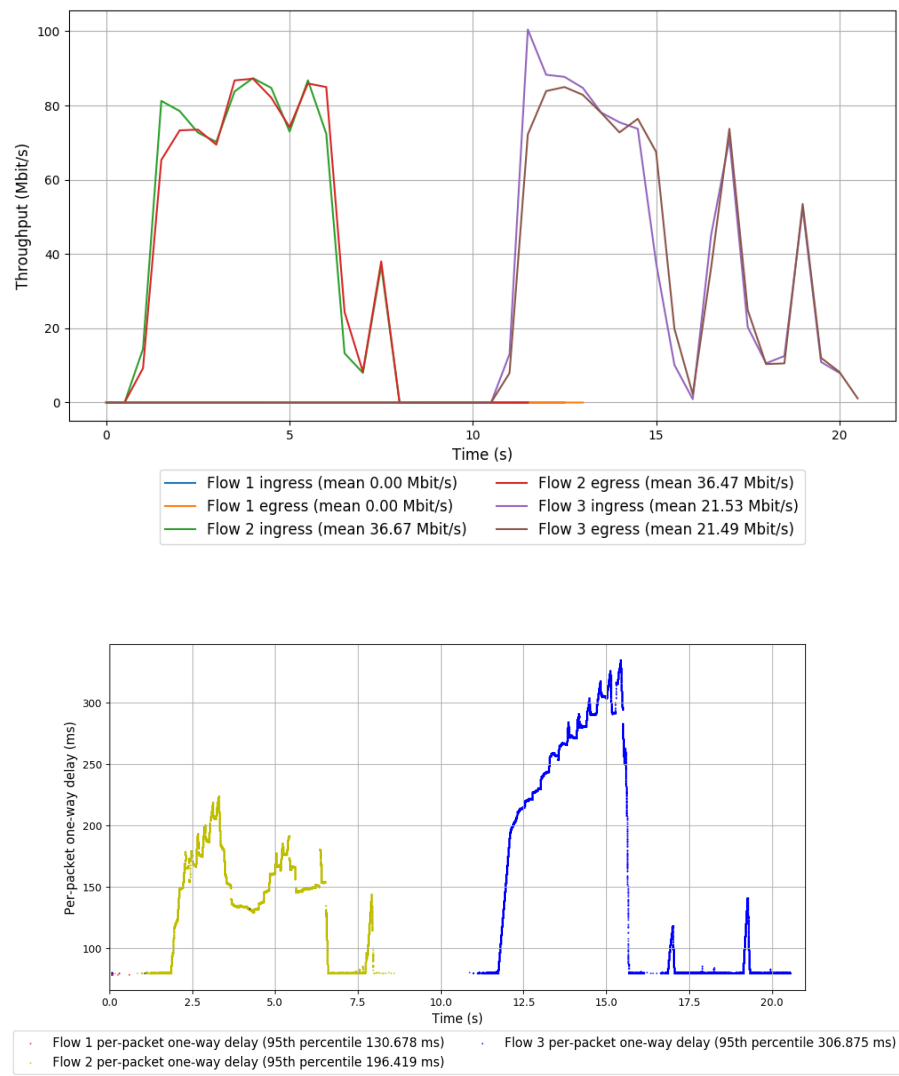
Start at: Tue, 04 Jul 2017 21:12:12 +0000

End at: Tue, 04 Jul 2017 21:12:42 +0000

Local clock offset: 0.416 ms

Remote clock offset: -21.133 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Tue, 04 Jul 2017 21:30:38 +0000

End at: Tue, 04 Jul 2017 21:31:08 +0000

Local clock offset: 0.375 ms

Remote clock offset: -23.3 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 39.95 Mbit/s

95th percentile per-packet one-way delay: 263.502 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 14.45 Mbit/s

95th percentile per-packet one-way delay: 125.813 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.21 Mbit/s

95th percentile per-packet one-way delay: 280.288 ms

Loss rate: 0.14%

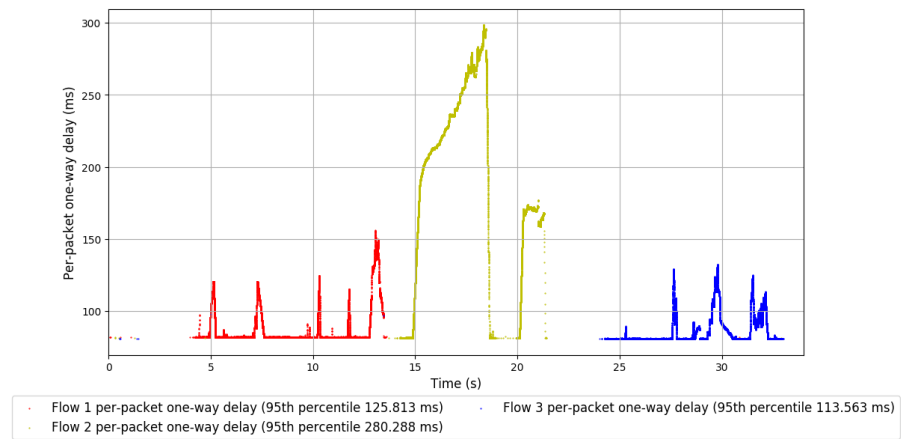
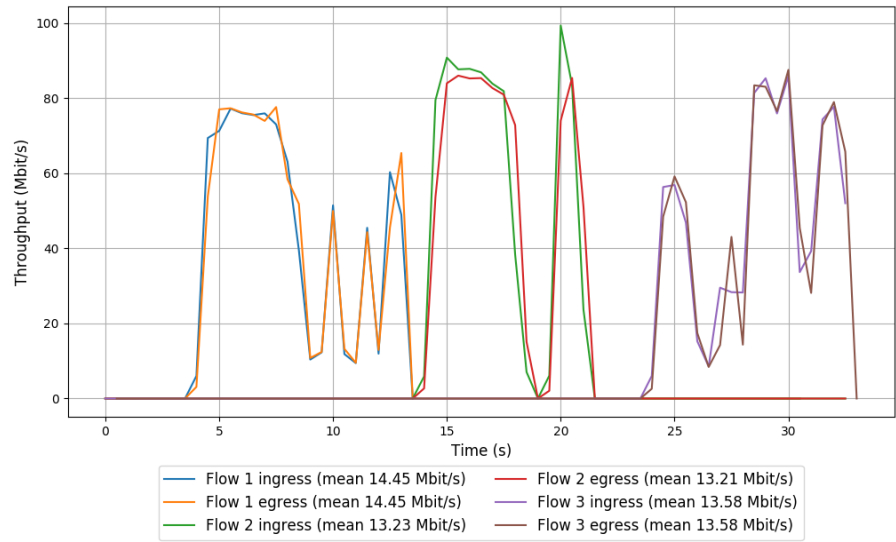
-- Flow 3:

Average throughput: 13.58 Mbit/s

95th percentile per-packet one-way delay: 113.563 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Tue, 04 Jul 2017 18:52:11 +0000

End at: Tue, 04 Jul 2017 18:52:41 +0000

Local clock offset: 0.177 ms

Remote clock offset: -26.127 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:45 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.18 Mbit/s

95th percentile per-packet one-way delay: 91.589 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 18.23 Mbit/s

95th percentile per-packet one-way delay: 90.457 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.13 Mbit/s

95th percentile per-packet one-way delay: 93.055 ms

Loss rate: 0.00%

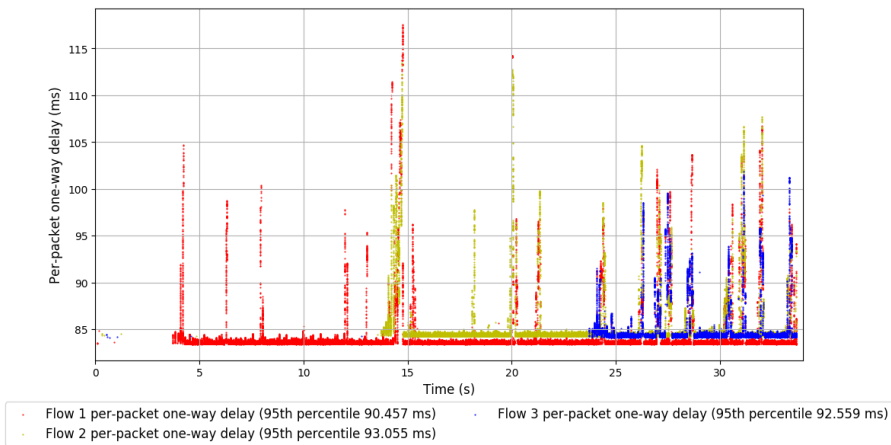
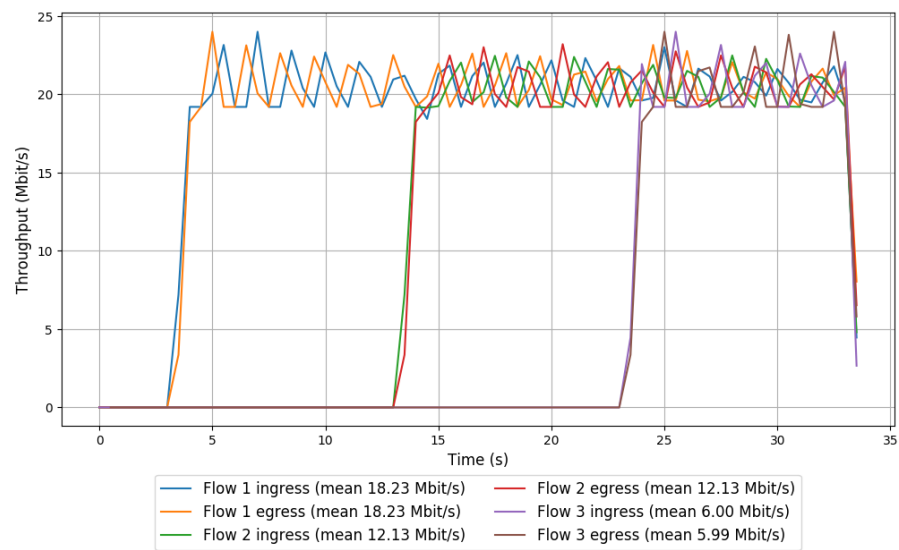
-- Flow 3:

Average throughput: 5.99 Mbit/s

95th percentile per-packet one-way delay: 92.559 ms

Loss rate: 0.04%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Tue, 04 Jul 2017 19:11:05 +0000

End at: Tue, 04 Jul 2017 19:11:35 +0000

Local clock offset: 0.311 ms

Remote clock offset: -26.793 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 36.20 Mbit/s

95th percentile per-packet one-way delay: 86.970 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 18.17 Mbit/s

95th percentile per-packet one-way delay: 87.104 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 12.22 Mbit/s

95th percentile per-packet one-way delay: 86.594 ms

Loss rate: 0.02%

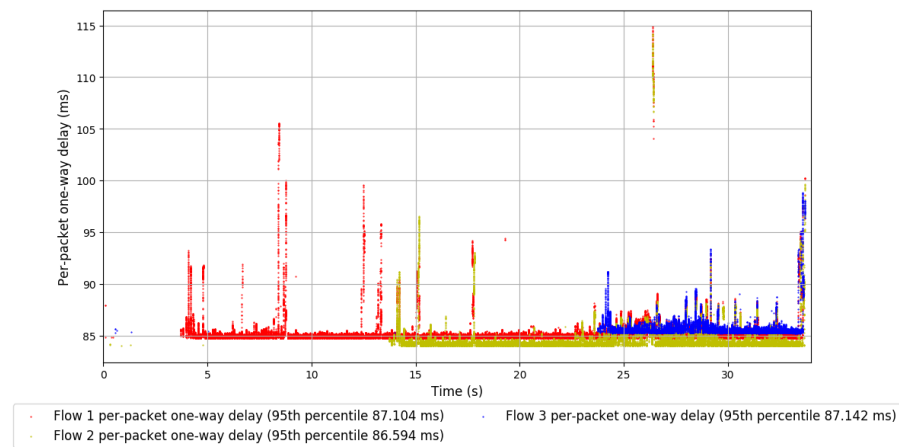
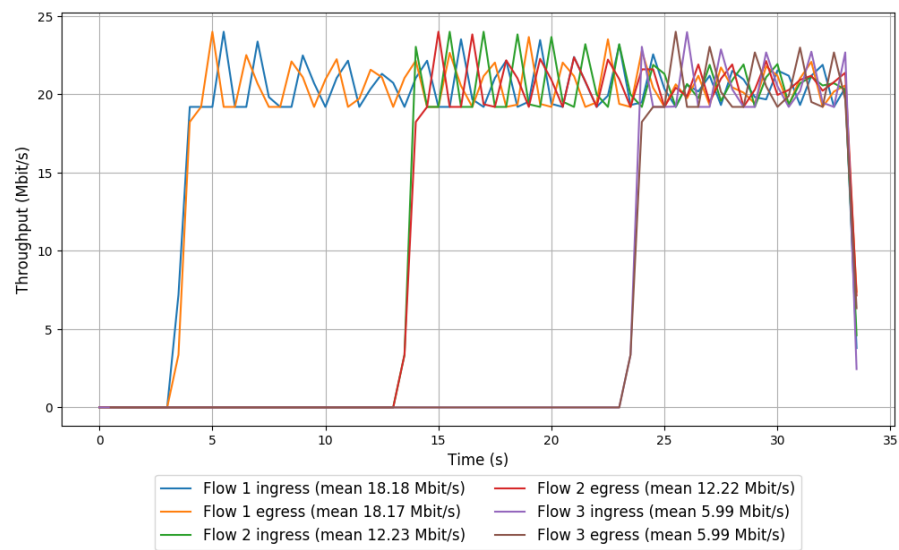
-- Flow 3:

Average throughput: 5.99 Mbit/s

95th percentile per-packet one-way delay: 87.142 ms

Loss rate: 0.11%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Tue, 04 Jul 2017 19:29:36 +0000

End at: Tue, 04 Jul 2017 19:30:06 +0000

Local clock offset: 0.377 ms

Remote clock offset: -26.595 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:51 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.15 Mbit/s

95th percentile per-packet one-way delay: 108.646 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 20.26 Mbit/s

95th percentile per-packet one-way delay: 101.019 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.43 Mbit/s

95th percentile per-packet one-way delay: 109.122 ms

Loss rate: 0.00%

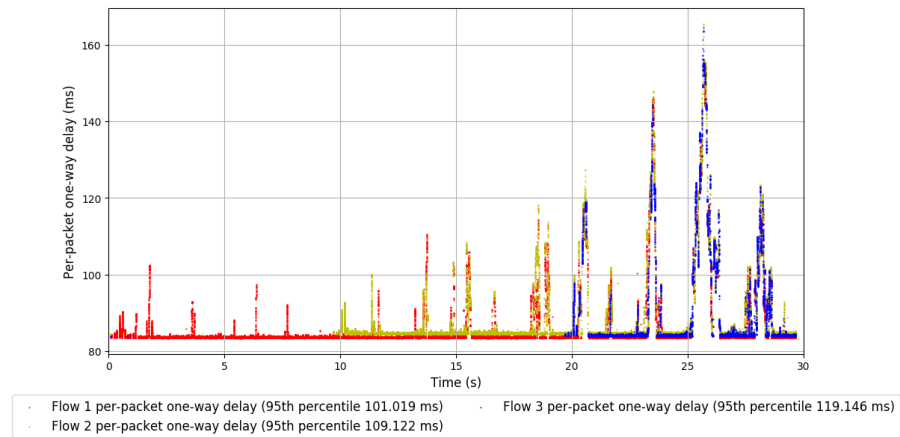
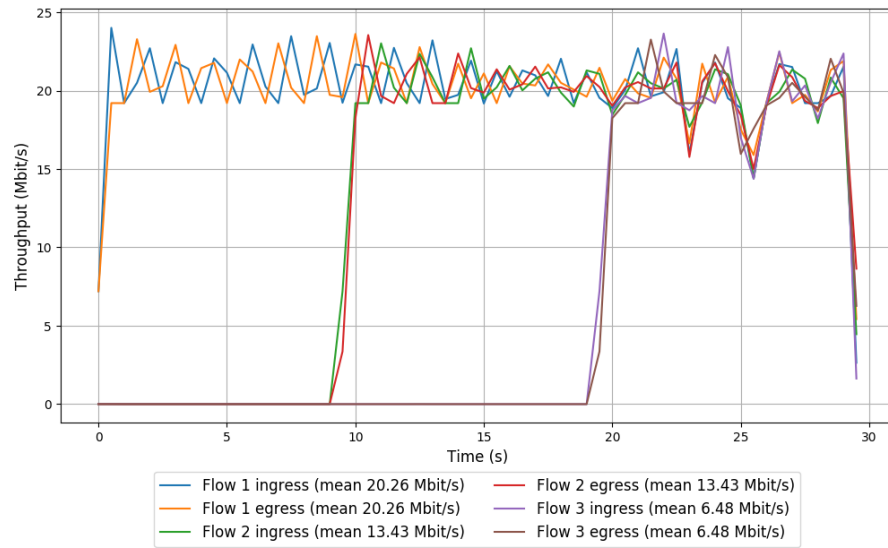
-- Flow 3:

Average throughput: 6.48 Mbit/s

95th percentile per-packet one-way delay: 119.146 ms

Loss rate: 0.00%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Tue, 04 Jul 2017 19:48:14 +0000

End at: Tue, 04 Jul 2017 19:48:44 +0000

Local clock offset: 0.51 ms

Remote clock offset: -23.569 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 38.33 Mbit/s

95th percentile per-packet one-way delay: 96.649 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 19.42 Mbit/s

95th percentile per-packet one-way delay: 91.323 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 12.74 Mbit/s

95th percentile per-packet one-way delay: 97.430 ms

Loss rate: 0.04%

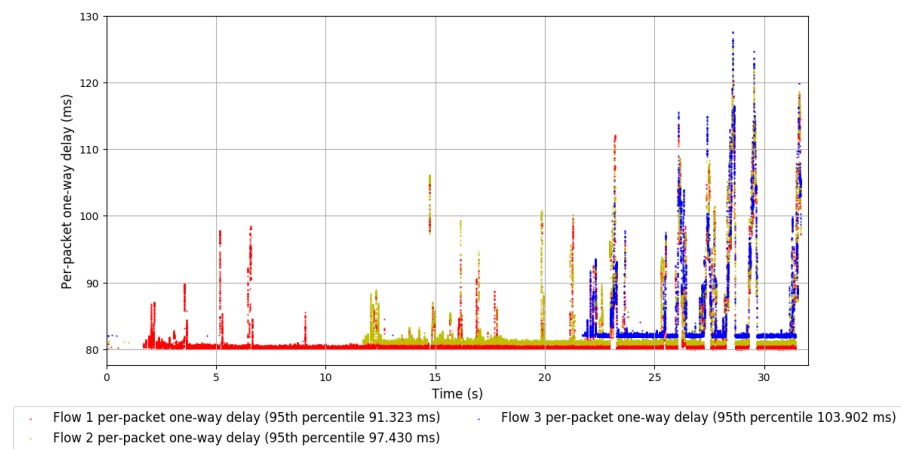
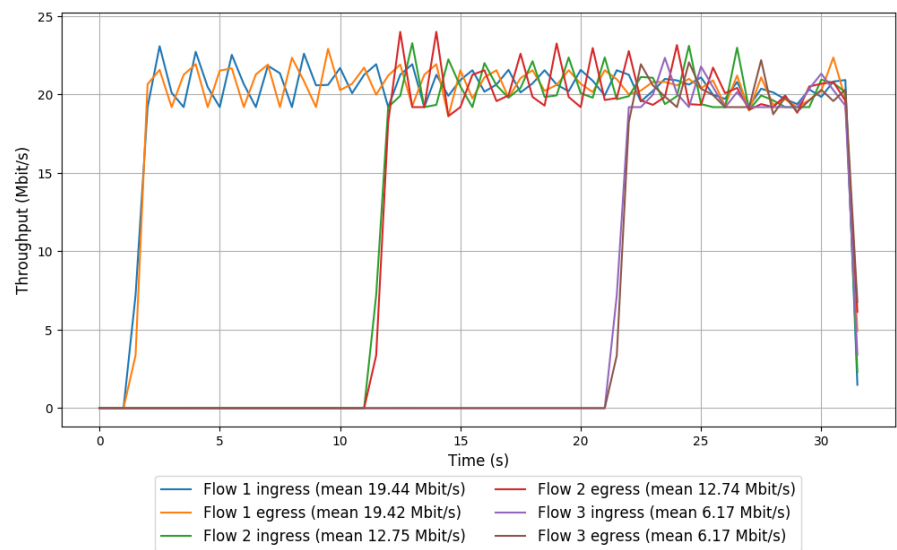
-- Flow 3:

Average throughput: 6.17 Mbit/s

95th percentile per-packet one-way delay: 103.902 ms

Loss rate: 0.00%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:06:52 +0000

End at: Tue, 04 Jul 2017 20:07:22 +0000

Local clock offset: 0.493 ms

Remote clock offset: -20.522 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:29:58 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.58 Mbit/s

95th percentile per-packet one-way delay: 96.893 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 17.83 Mbit/s

95th percentile per-packet one-way delay: 94.492 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 95.665 ms

Loss rate: 0.00%

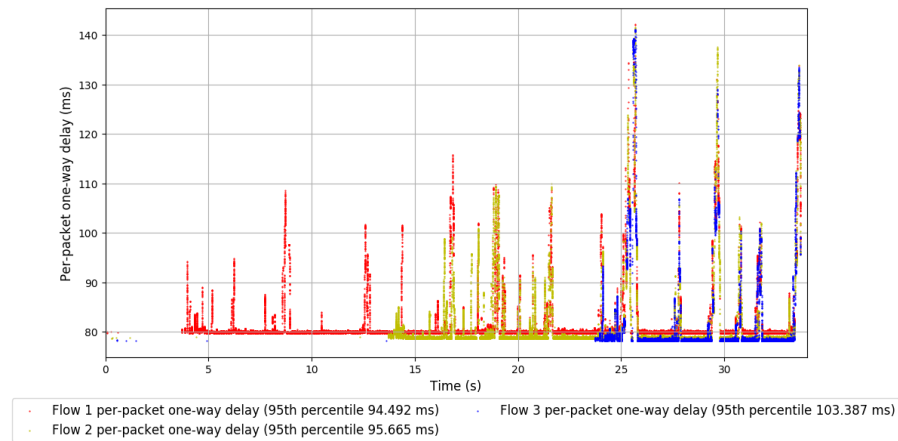
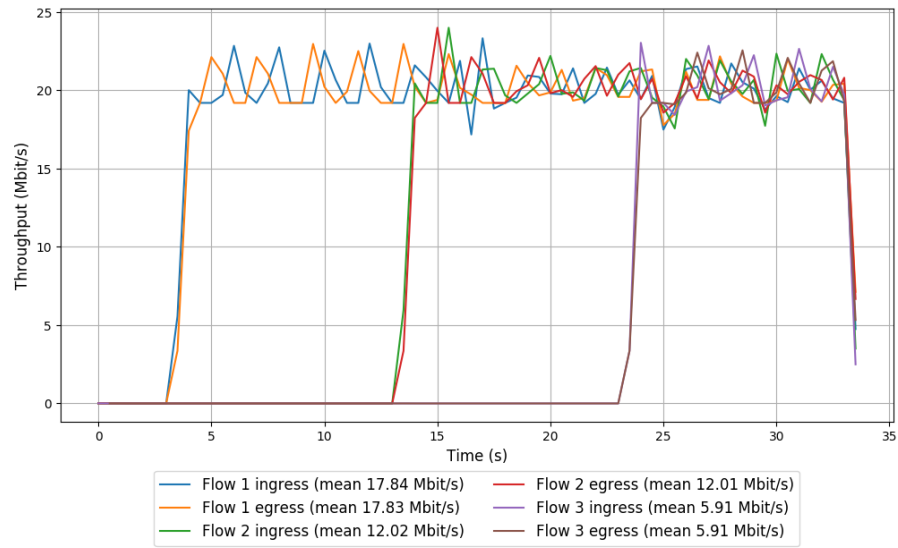
-- Flow 3:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 103.387 ms

Loss rate: 0.01%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:25:20 +0000

End at: Tue, 04 Jul 2017 20:25:50 +0000

Local clock offset: 0.449 ms

Remote clock offset: -20.784 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:00 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.29 Mbit/s

95th percentile per-packet one-way delay: 87.422 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 20.29 Mbit/s

95th percentile per-packet one-way delay: 86.733 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 14.17 Mbit/s

95th percentile per-packet one-way delay: 84.888 ms

Loss rate: 0.18%

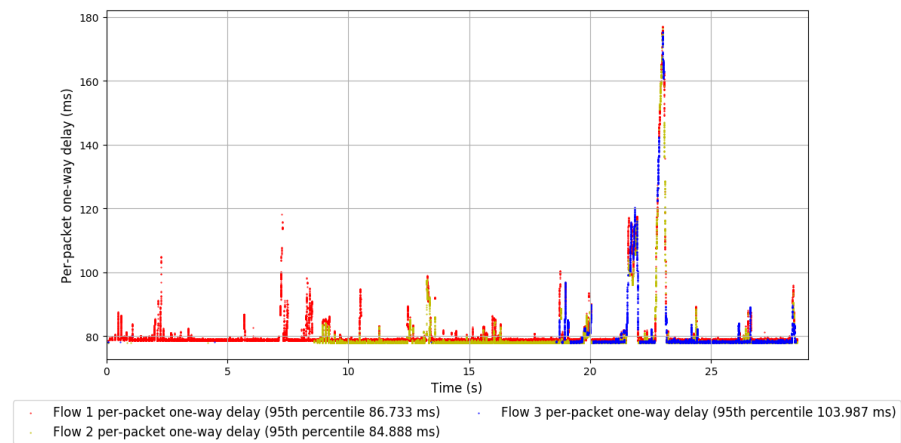
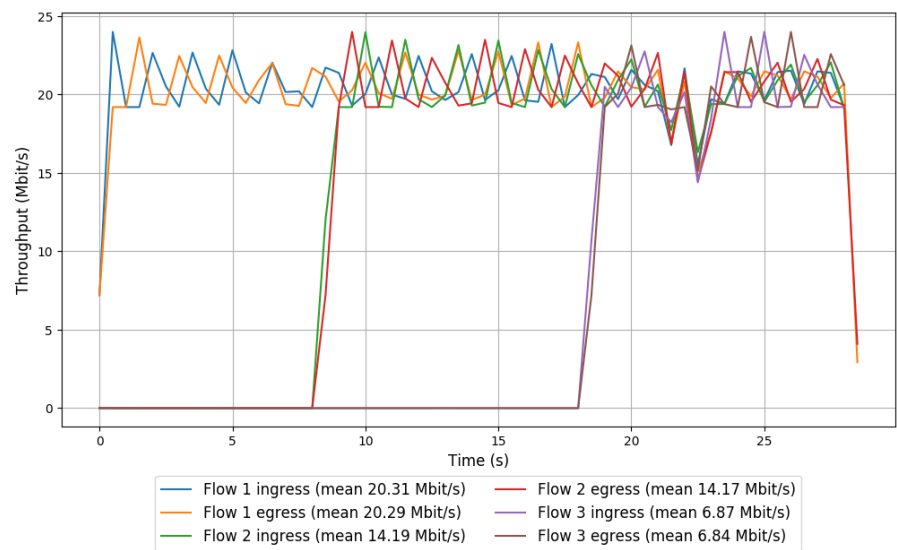
-- Flow 3:

Average throughput: 6.84 Mbit/s

95th percentile per-packet one-way delay: 103.987 ms

Loss rate: 0.45%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Tue, 04 Jul 2017 20:43:47 +0000

End at: Tue, 04 Jul 2017 20:44:17 +0000

Local clock offset: 0.51 ms

Remote clock offset: -20.789 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 41.46 Mbit/s

95th percentile per-packet one-way delay: 89.230 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 20.31 Mbit/s

95th percentile per-packet one-way delay: 89.233 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 14.17 Mbit/s

95th percentile per-packet one-way delay: 88.141 ms

Loss rate: 0.00%

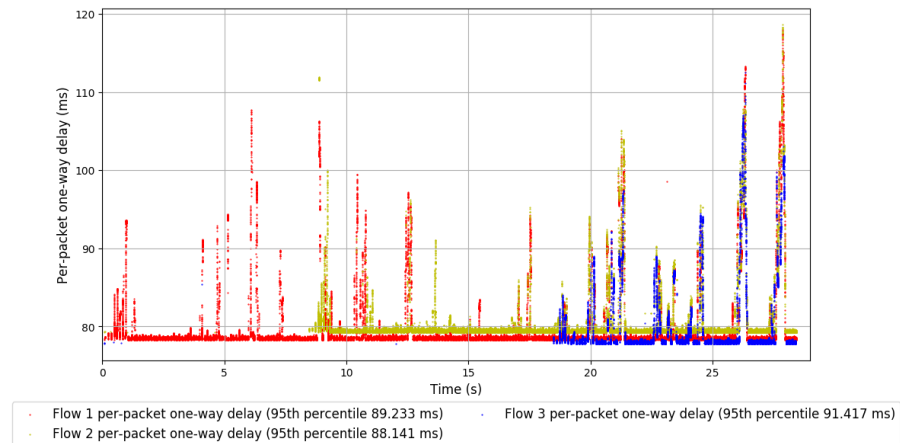
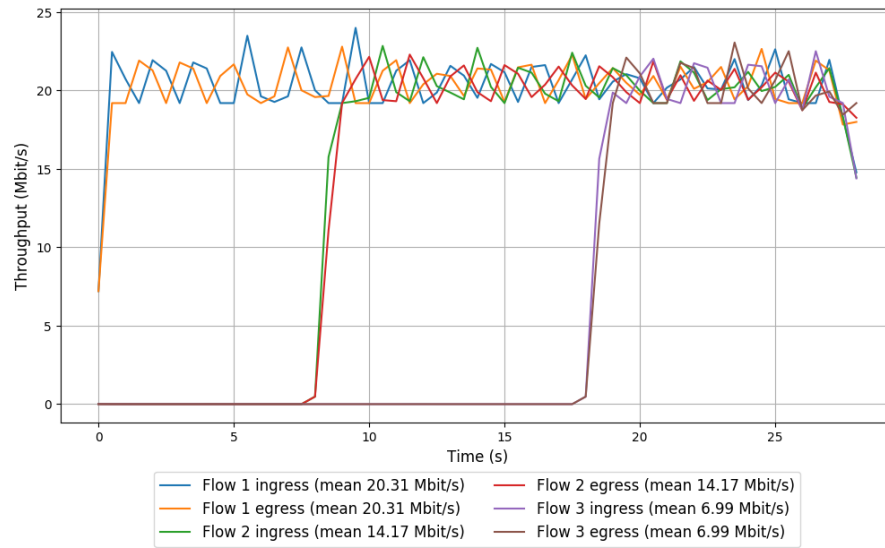
-- Flow 3:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: 91.417 ms

Loss rate: 0.00%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Tue, 04 Jul 2017 21:02:22 +0000

End at: Tue, 04 Jul 2017 21:02:52 +0000

Local clock offset: 0.436 ms

Remote clock offset: -20.71 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:07 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.92 Mbit/s

95th percentile per-packet one-way delay: 89.701 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 18.18 Mbit/s

95th percentile per-packet one-way delay: 86.653 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 12.02 Mbit/s

95th percentile per-packet one-way delay: 88.677 ms

Loss rate: 0.07%

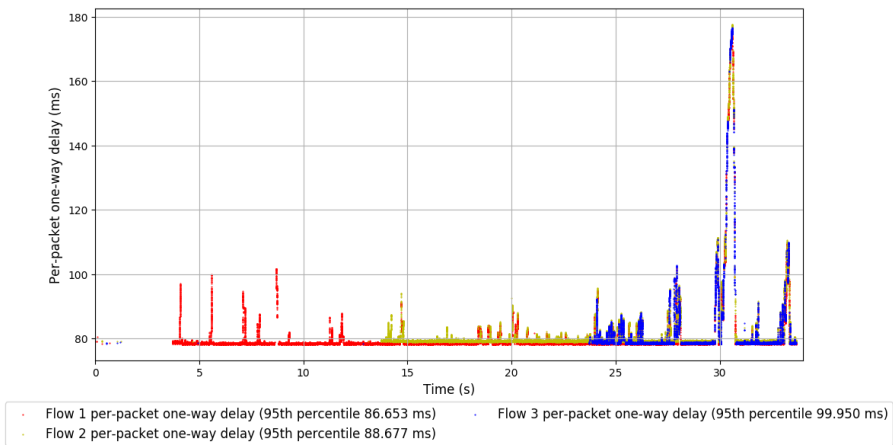
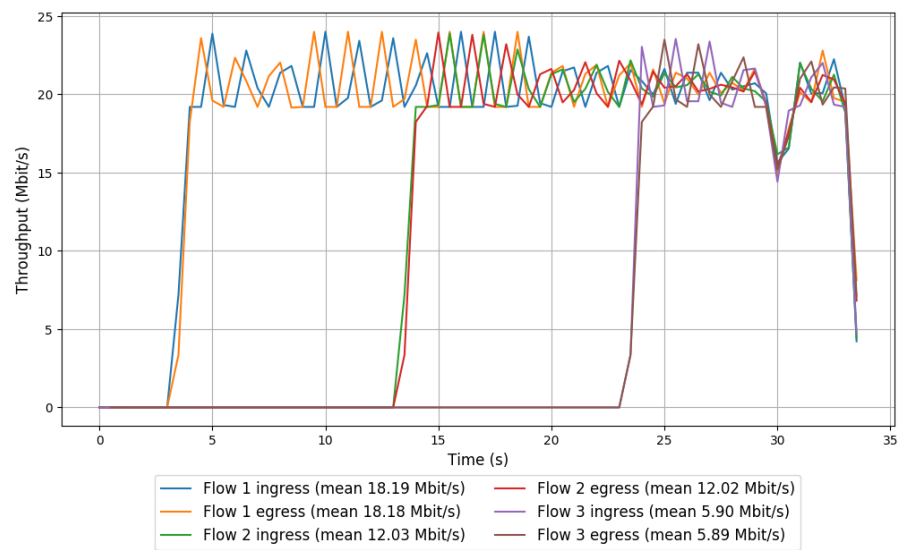
-- Flow 3:

Average throughput: 5.89 Mbit/s

95th percentile per-packet one-way delay: 99.950 ms

Loss rate: 0.25%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Tue, 04 Jul 2017 21:20:48 +0000

End at: Tue, 04 Jul 2017 21:21:18 +0000

Local clock offset: 0.417 ms

Remote clock offset: -22.661 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 40.46 Mbit/s

95th percentile per-packet one-way delay: 85.544 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 20.28 Mbit/s

95th percentile per-packet one-way delay: 84.478 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 13.51 Mbit/s

95th percentile per-packet one-way delay: 84.562 ms

Loss rate: 0.00%

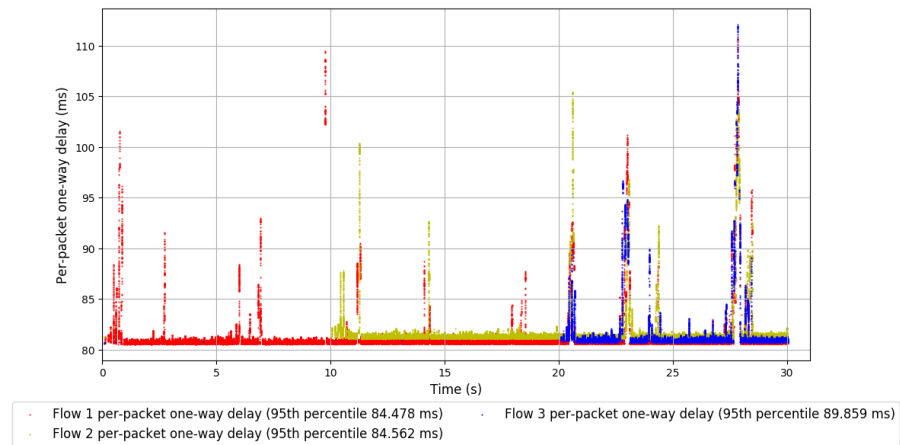
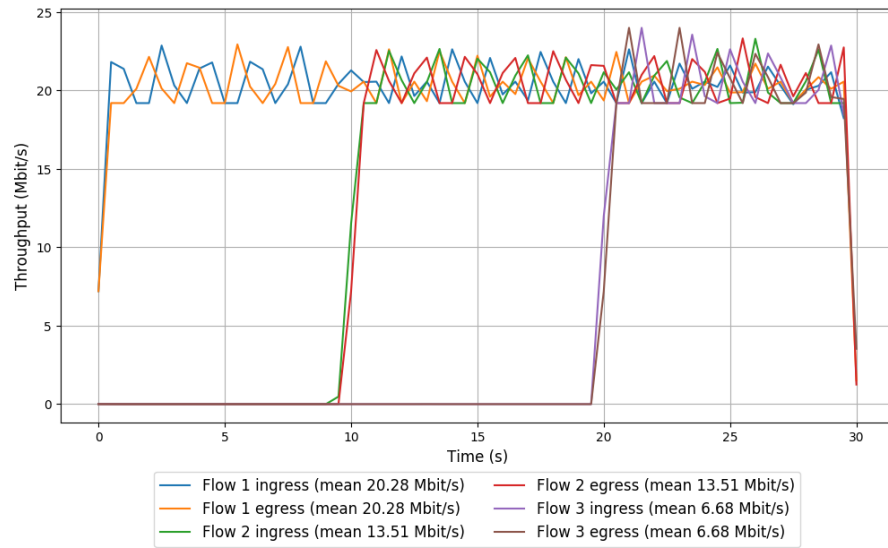
-- Flow 3:

Average throughput: 6.68 Mbit/s

95th percentile per-packet one-way delay: 89.859 ms

Loss rate: 0.00%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Tue, 04 Jul 2017 21:39:25 +0000

End at: Tue, 04 Jul 2017 21:39:55 +0000

Local clock offset: 0.356 ms

Remote clock offset: -23.34 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 35.76 Mbit/s

95th percentile per-packet one-way delay: 89.709 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 17.99 Mbit/s

95th percentile per-packet one-way delay: 87.997 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 12.03 Mbit/s

95th percentile per-packet one-way delay: 89.718 ms

Loss rate: 0.07%

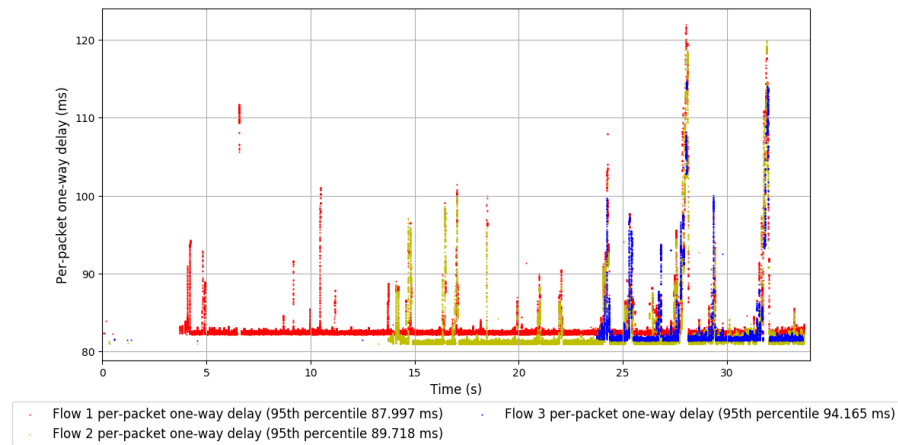
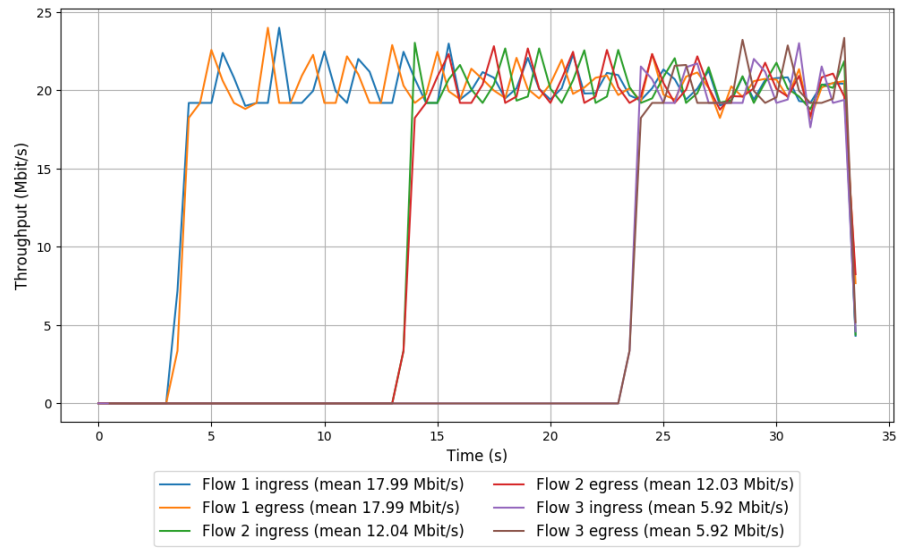
-- Flow 3:

Average throughput: 5.92 Mbit/s

95th percentile per-packet one-way delay: 94.165 ms

Loss rate: 0.00%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 18:41:11 +0000

End at: Tue, 04 Jul 2017 18:41:41 +0000

Local clock offset: 0.07 ms

Remote clock offset: -25.927 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 84.452 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 84.508 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 84.320 ms

Loss rate: 0.00%

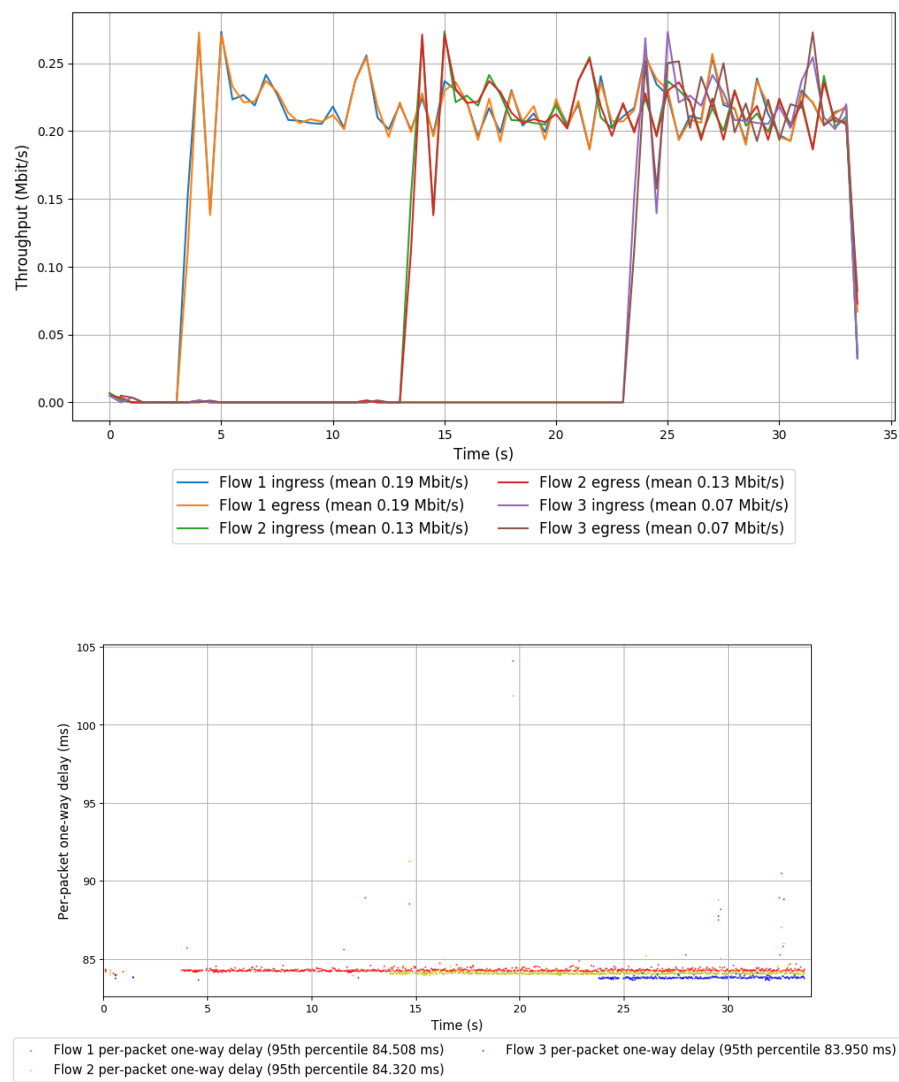
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 83.950 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 18:59:49 +0000

End at: Tue, 04 Jul 2017 19:00:19 +0000

Local clock offset: 0.341 ms

Remote clock offset: -26.384 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 85.262 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 83.976 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 85.119 ms

Loss rate: 0.00%

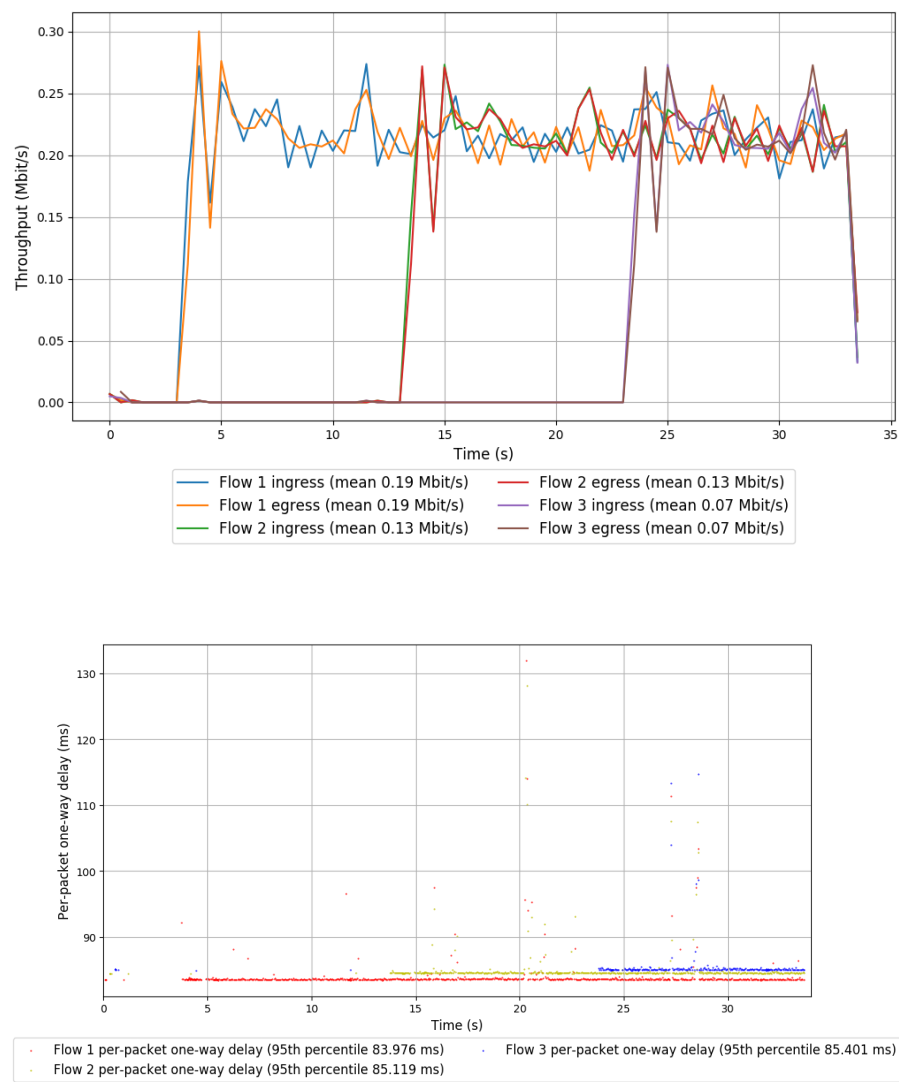
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 85.401 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 19:18:39 +0000

End at: Tue, 04 Jul 2017 19:19:09 +0000

Local clock offset: 0.421 ms

Remote clock offset: -26.141 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 85.322 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 83.549 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 85.431 ms

Loss rate: 0.00%

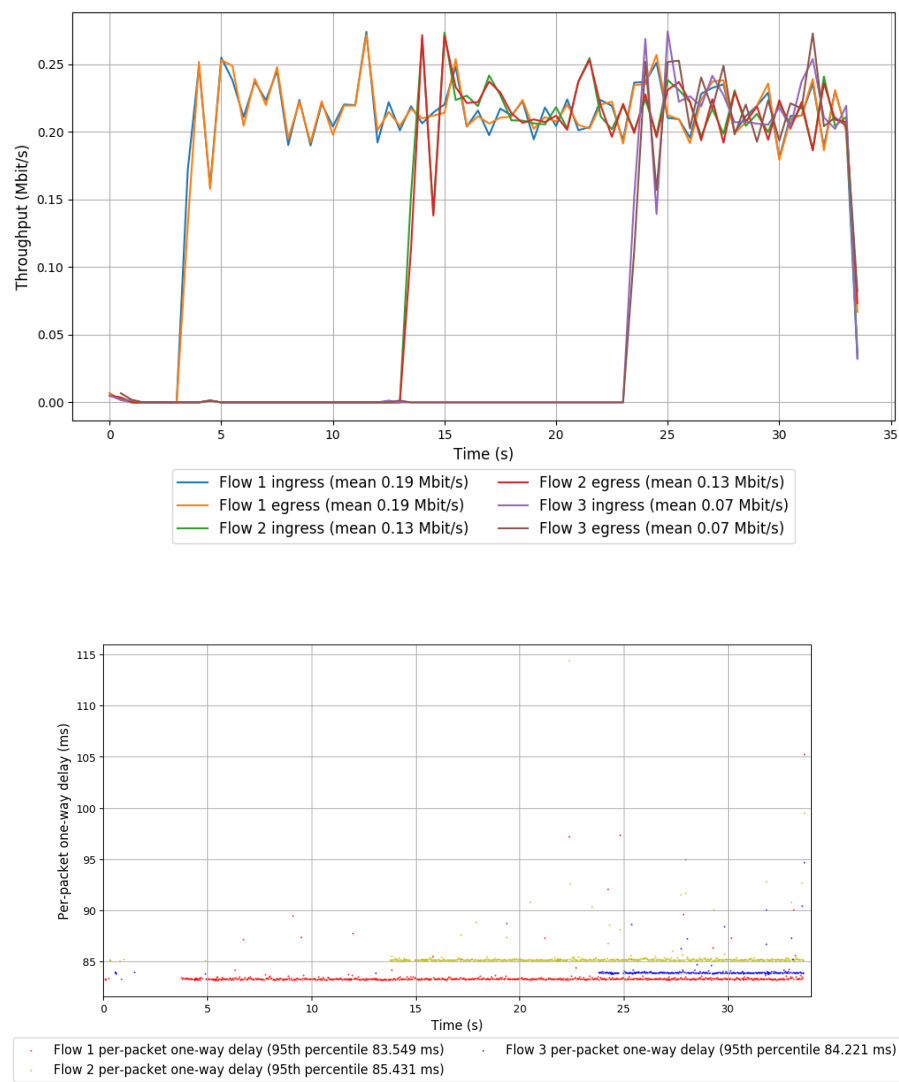
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 84.221 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 19:37:12 +0000

End at: Tue, 04 Jul 2017 19:37:42 +0000

Local clock offset: 0.469 ms

Remote clock offset: -25.796 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 84.316 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 83.479 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 84.407 ms

Loss rate: 0.00%

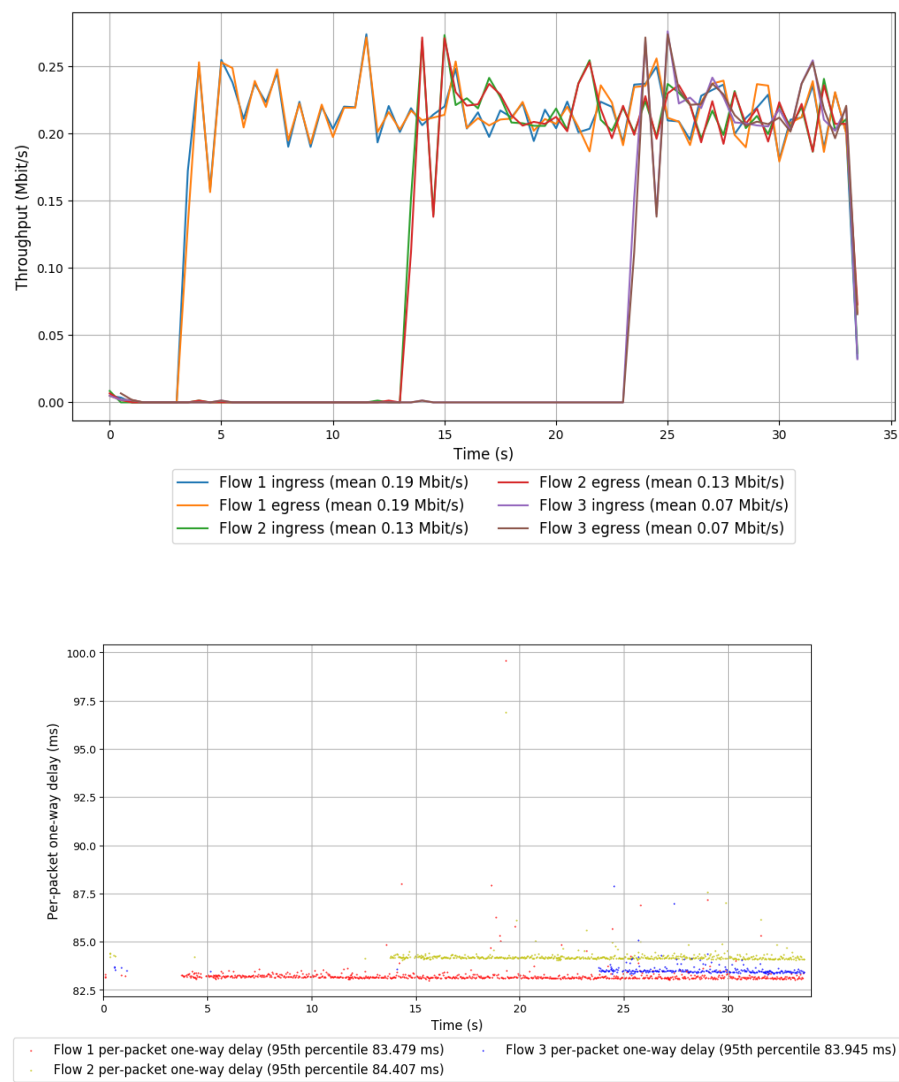
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 83.945 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 19:55:45 +0000

End at: Tue, 04 Jul 2017 19:56:15 +0000

Local clock offset: 0.496 ms

Remote clock offset: -21.558 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 80.158 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 80.235 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 79.326 ms

Loss rate: 0.00%

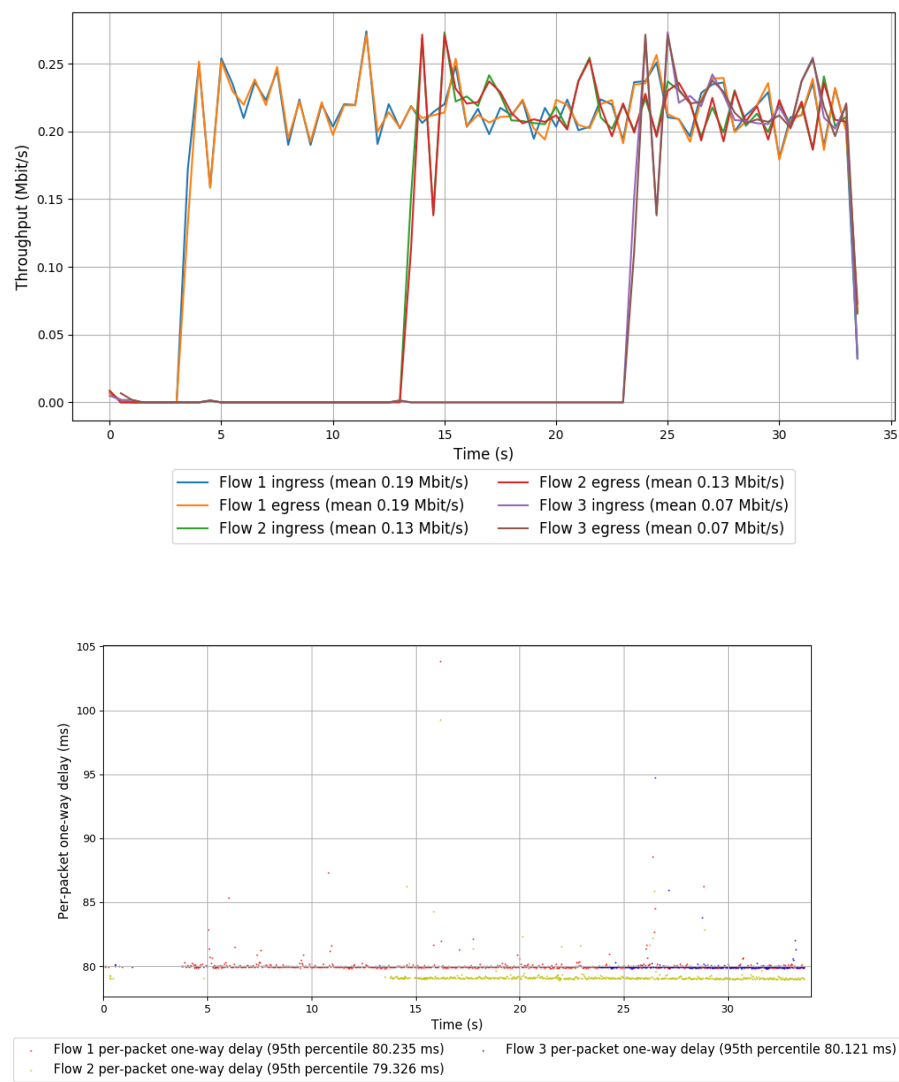
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 80.121 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

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

End at: Tue, 04 Jul 2017 20:14:50 +0000

Local clock offset: 0.448 ms

Remote clock offset: -21.216 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:17 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 79.437 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 78.823 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 79.090 ms

Loss rate: 0.00%

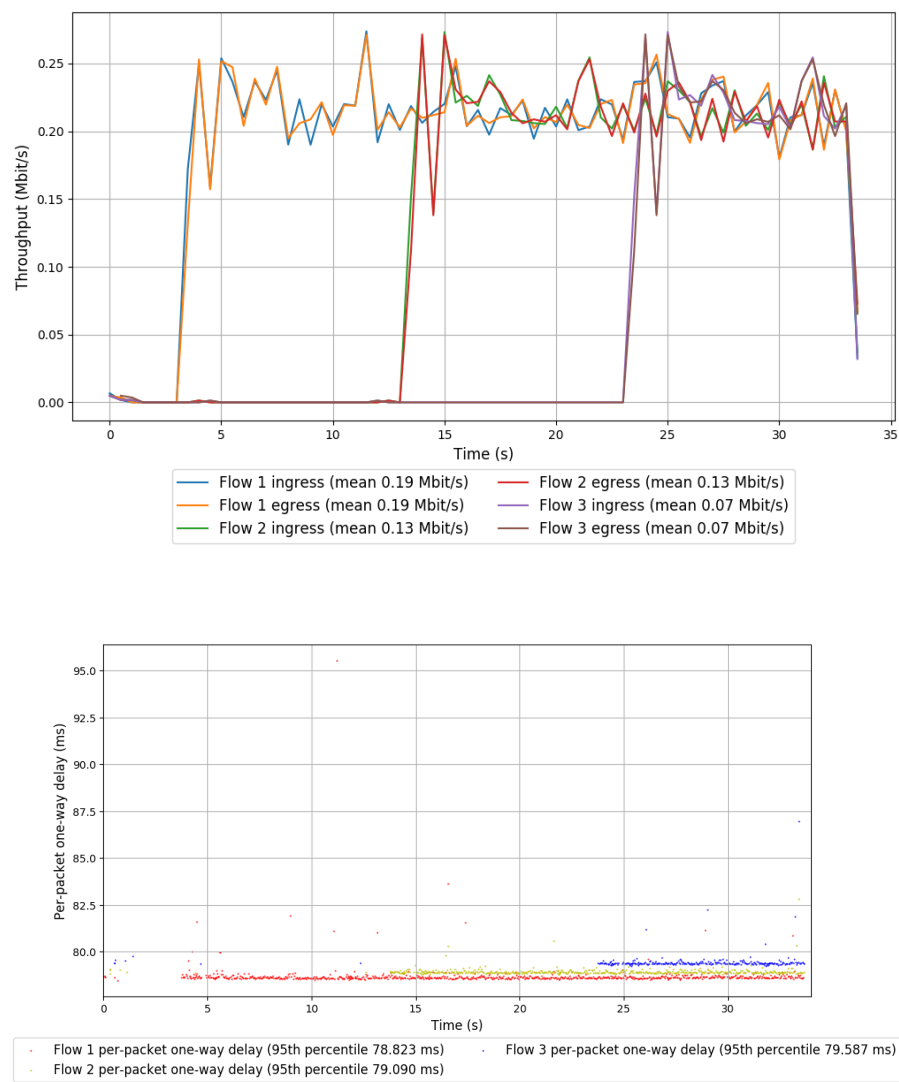
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 79.587 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 20:32:48 +0000

End at: Tue, 04 Jul 2017 20:33:18 +0000

Local clock offset: 0.519 ms

Remote clock offset: -20.458 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 79.634 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 78.426 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 78.660 ms

Loss rate: 0.00%

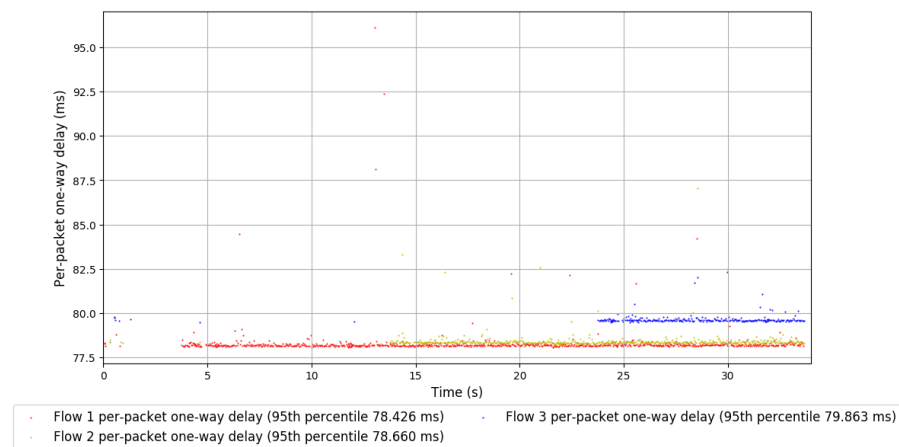
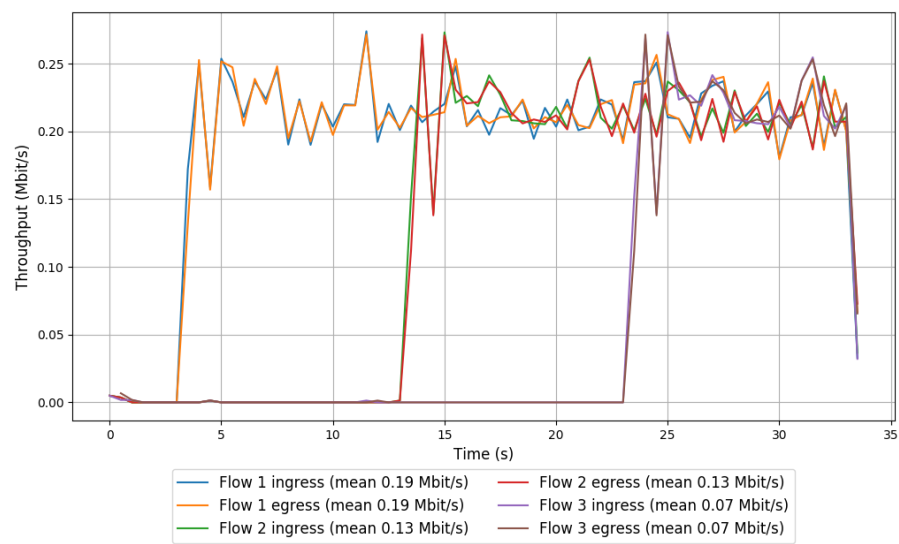
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 79.863 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 20:51:19 +0000

End at: Tue, 04 Jul 2017 20:51:49 +0000

Local clock offset: 0.48 ms

Remote clock offset: -20.482 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 79.465 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 77.604 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 78.171 ms

Loss rate: 0.00%

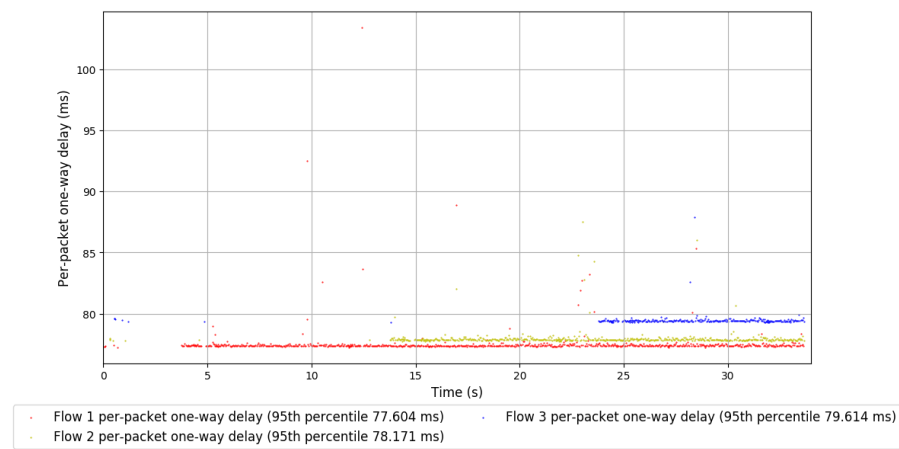
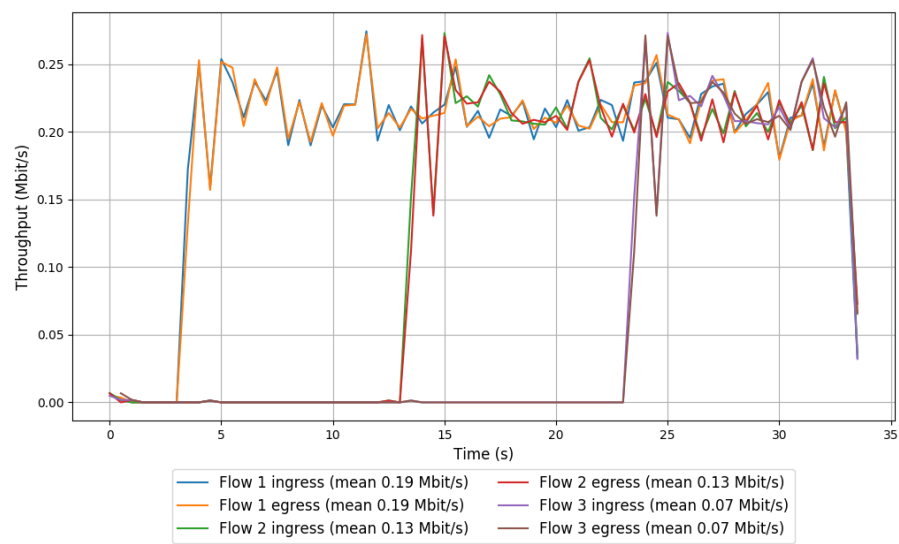
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 79.614 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 21:09:53 +0000

End at: Tue, 04 Jul 2017 21:10:23 +0000

Local clock offset: 0.365 ms

Remote clock offset: -21.517 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 79.695 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 79.713 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 79.533 ms

Loss rate: 0.00%

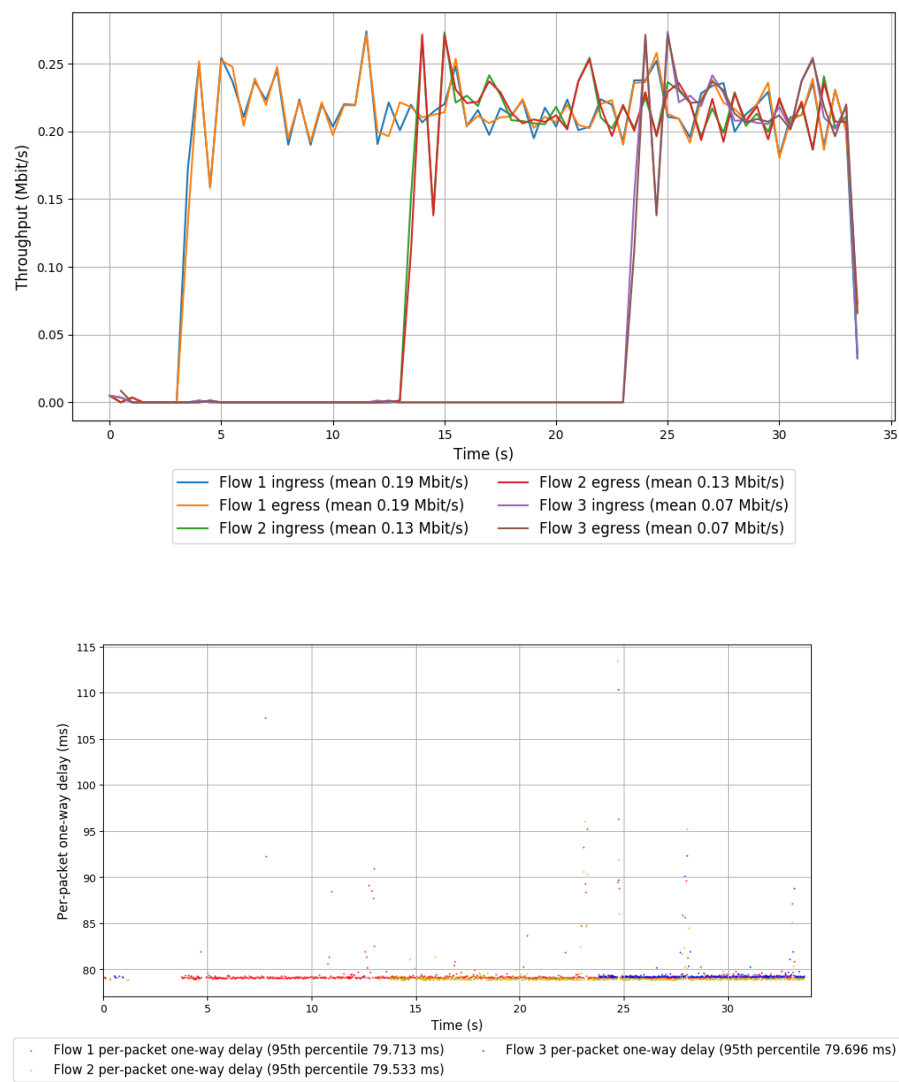
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 79.696 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 21:28:20 +0000

End at: Tue, 04 Jul 2017 21:28:50 +0000

Local clock offset: 0.394 ms

Remote clock offset: -23.584 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:20 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 81.938 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 81.460 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 81.039 ms

Loss rate: 0.00%

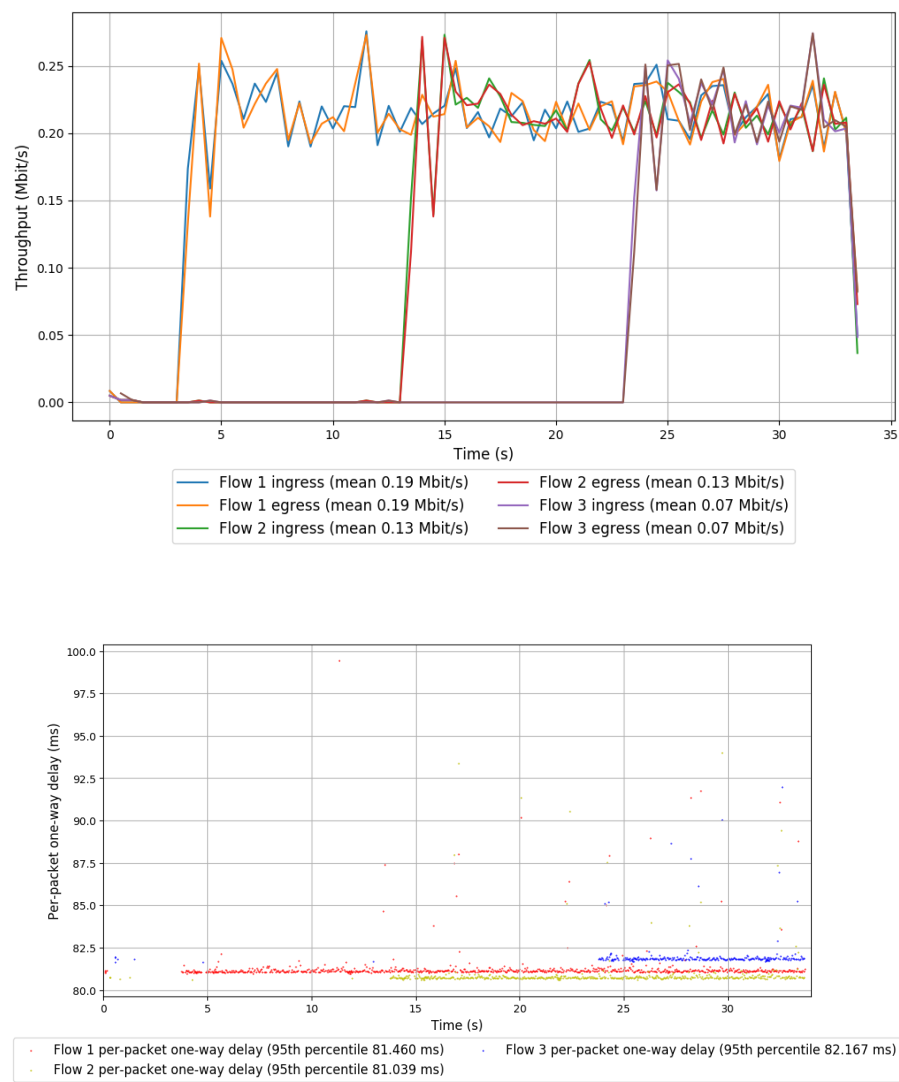
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 82.167 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Tue, 04 Jul 2017 18:42:20 +0000

End at: Tue, 04 Jul 2017 18:42:50 +0000

Local clock offset: 0.046 ms

Remote clock offset: -26.391 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:22 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 85.027 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.21 Mbit/s

95th percentile per-packet one-way delay: 85.077 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.74 Mbit/s

95th percentile per-packet one-way delay: 85.083 ms

Loss rate: 0.00%

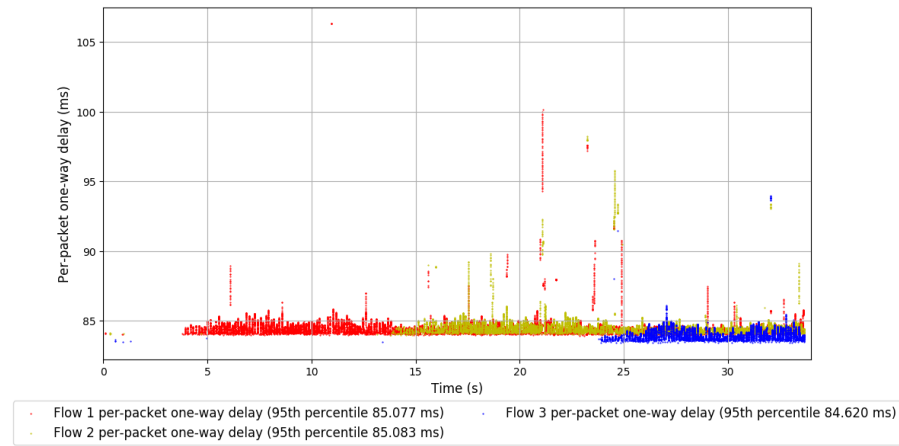
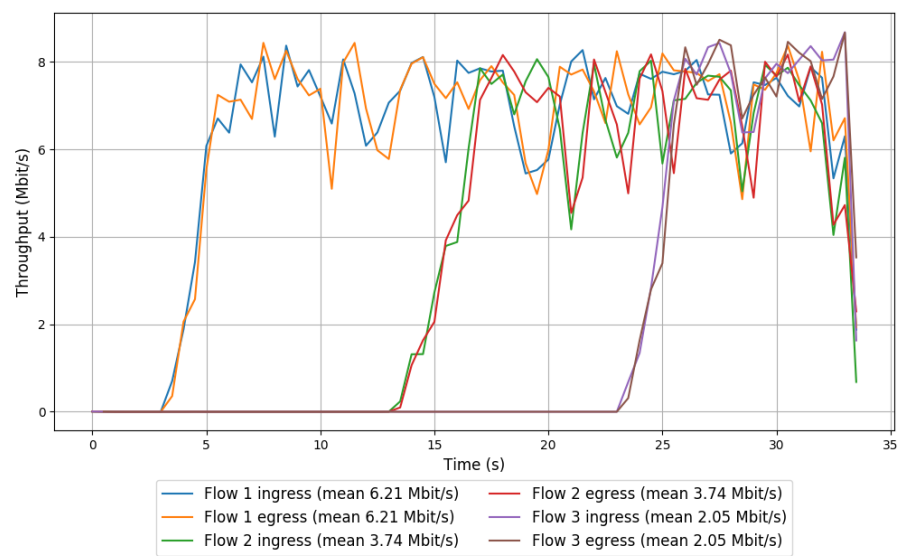
-- Flow 3:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 84.620 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:00:58 +0000

End at: Tue, 04 Jul 2017 19:01:28 +0000

Local clock offset: 0.348 ms

Remote clock offset: -26.629 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 10.90 Mbit/s

95th percentile per-packet one-way delay: 117.362 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 100.841 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 3.67 Mbit/s

95th percentile per-packet one-way delay: 122.398 ms

Loss rate: 0.03%

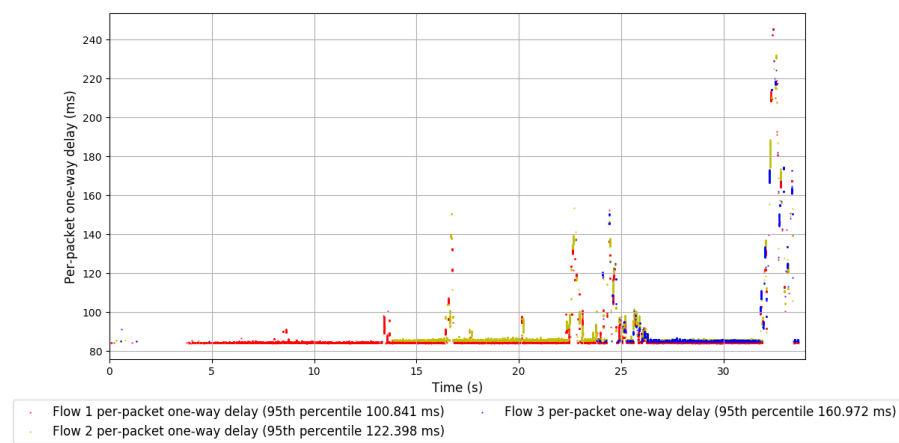
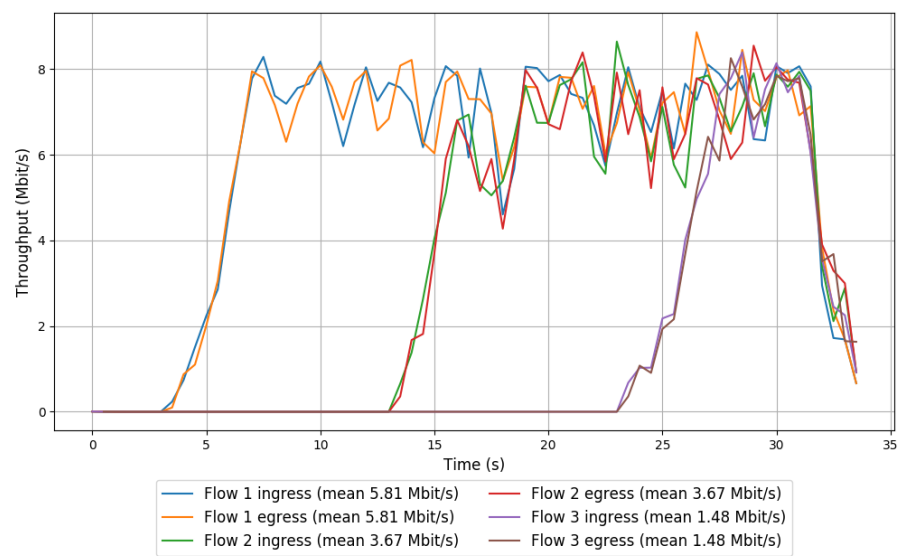
-- Flow 3:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 160.972 ms

Loss rate: 0.22%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:19:47 +0000

End at: Tue, 04 Jul 2017 19:20:17 +0000

Local clock offset: 0.443 ms

Remote clock offset: -26.79 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.62 Mbit/s

95th percentile per-packet one-way delay: 84.887 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 84.515 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.30 Mbit/s

95th percentile per-packet one-way delay: 84.472 ms

Loss rate: 0.00%

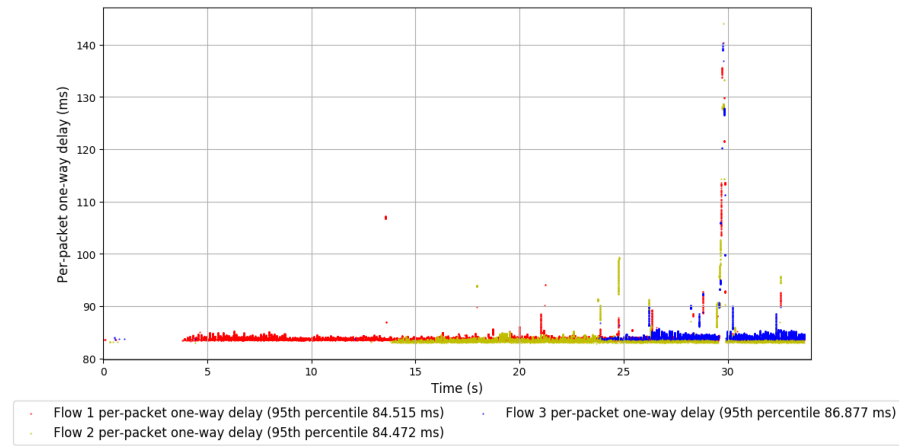
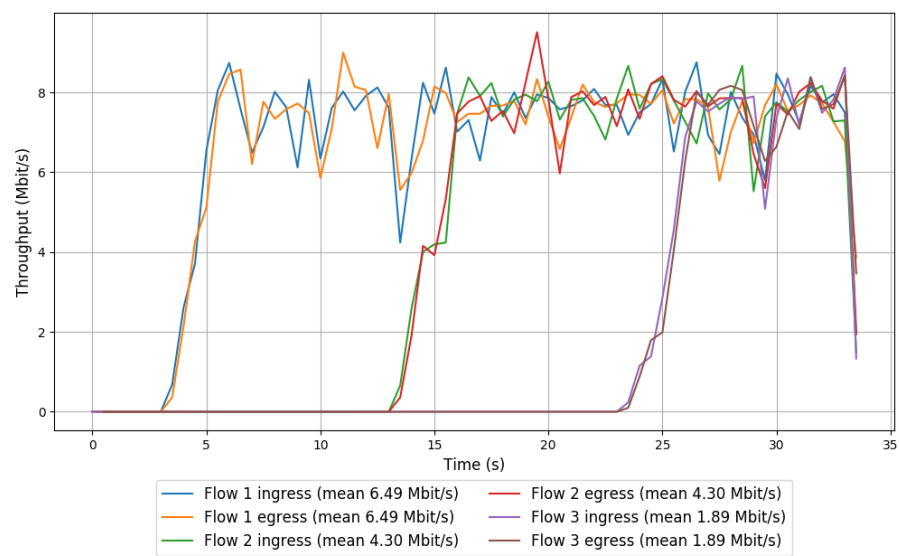
-- Flow 3:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 86.877 ms

Loss rate: 0.02%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:38:20 +0000

End at: Tue, 04 Jul 2017 19:38:50 +0000

Local clock offset: 0.477 ms

Remote clock offset: -25.434 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:26 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.07 Mbit/s

95th percentile per-packet one-way delay: 85.375 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.02 Mbit/s

95th percentile per-packet one-way delay: 85.095 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.18 Mbit/s

95th percentile per-packet one-way delay: 84.692 ms

Loss rate: 0.00%

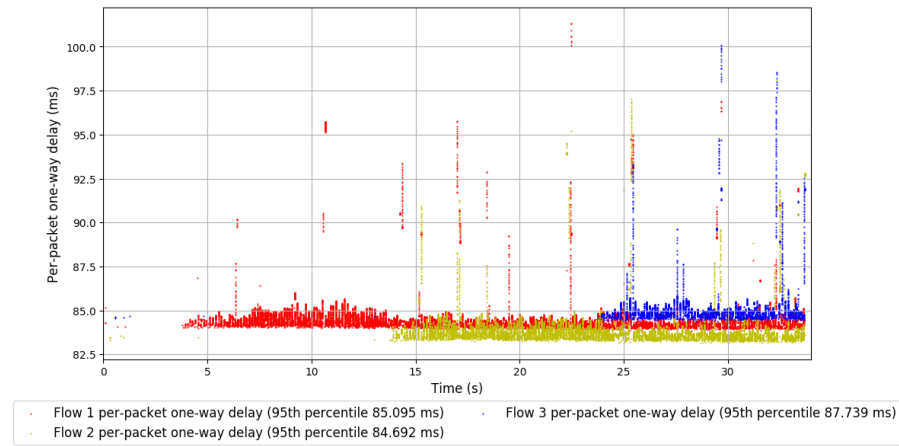
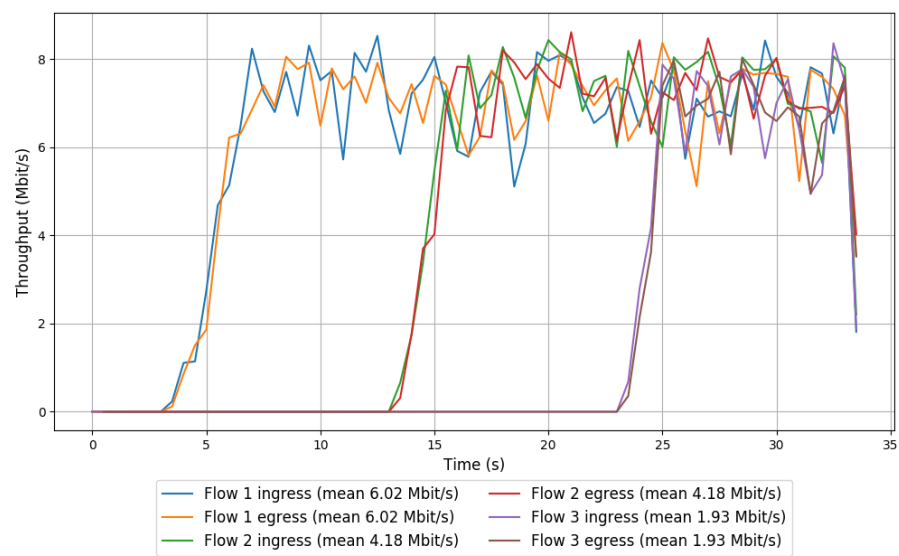
-- Flow 3:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 87.739 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Tue, 04 Jul 2017 19:56:53 +0000

End at: Tue, 04 Jul 2017 19:57:24 +0000

Local clock offset: 0.467 ms

Remote clock offset: -21.405 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:27 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.73 Mbit/s

95th percentile per-packet one-way delay: 80.859 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.15 Mbit/s

95th percentile per-packet one-way delay: 80.813 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: 81.126 ms

Loss rate: 0.00%

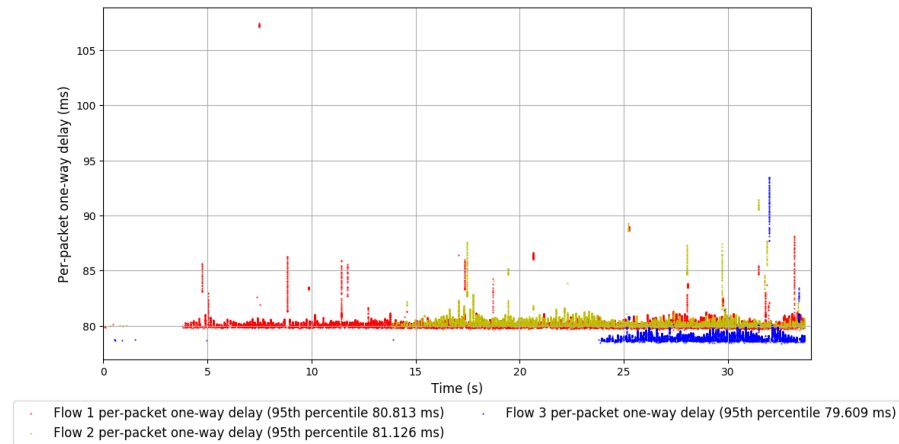
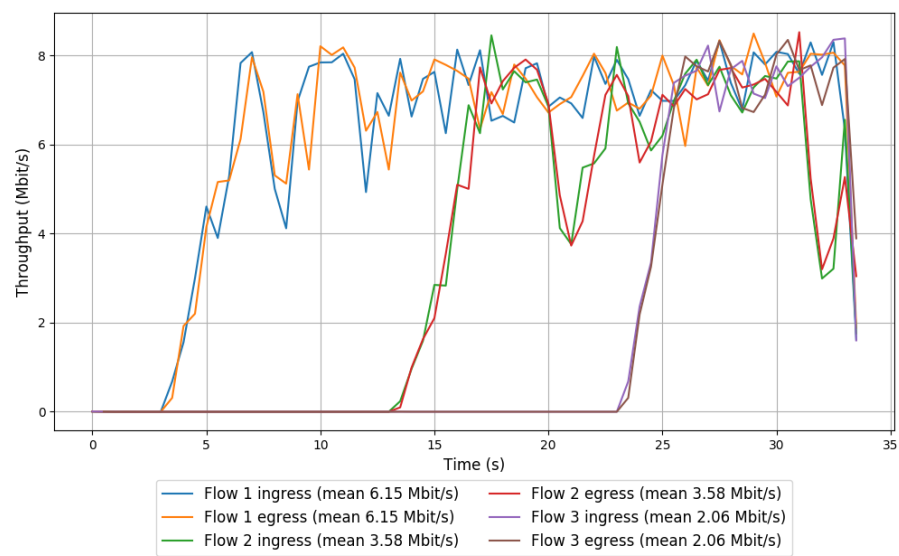
-- Flow 3:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 79.609 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

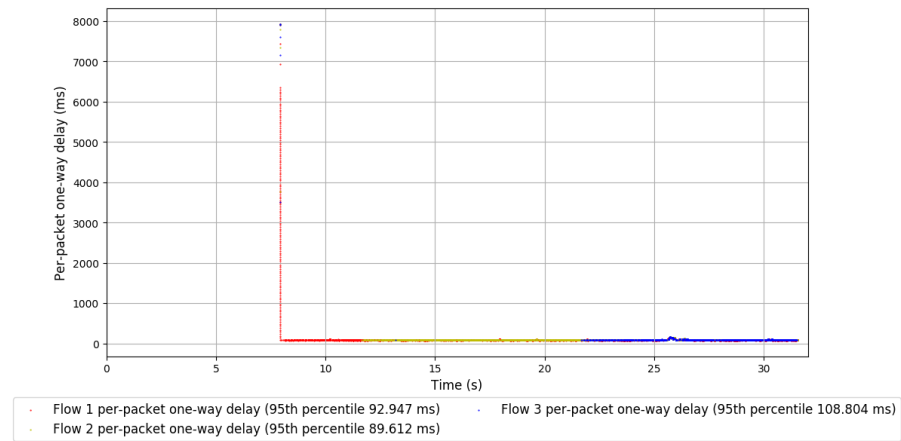
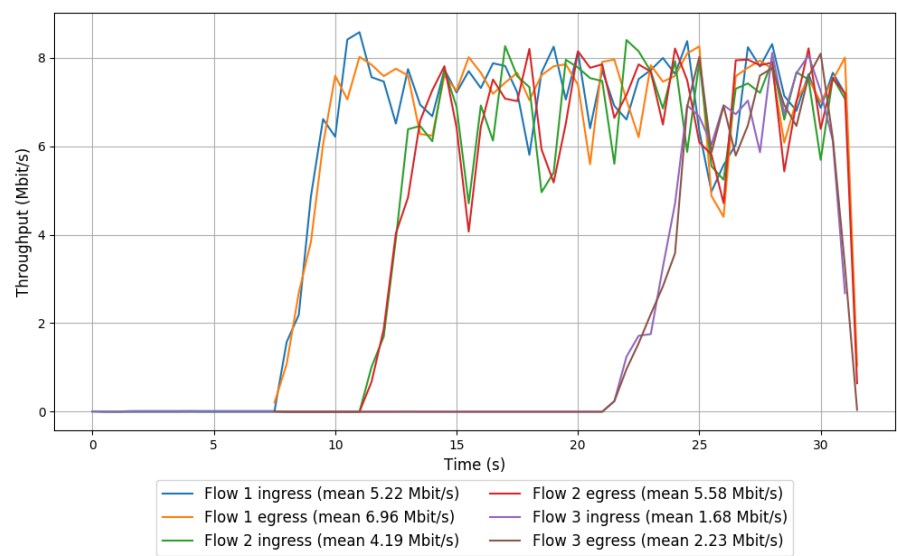
Start at: Tue, 04 Jul 2017 20:15:29 +0000

End at: Tue, 04 Jul 2017 20:15:59 +0000

Local clock offset: 0.47 ms

Remote clock offset: -20.976 ms

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Tue, 04 Jul 2017 20:33:56 +0000

End at: Tue, 04 Jul 2017 20:34:26 +0000

Local clock offset: 0.427 ms

Remote clock offset: -20.508 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.01 Mbit/s

95th percentile per-packet one-way delay: 80.292 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 6.09 Mbit/s

95th percentile per-packet one-way delay: 80.351 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.92 Mbit/s

95th percentile per-packet one-way delay: 80.212 ms

Loss rate: 0.00%

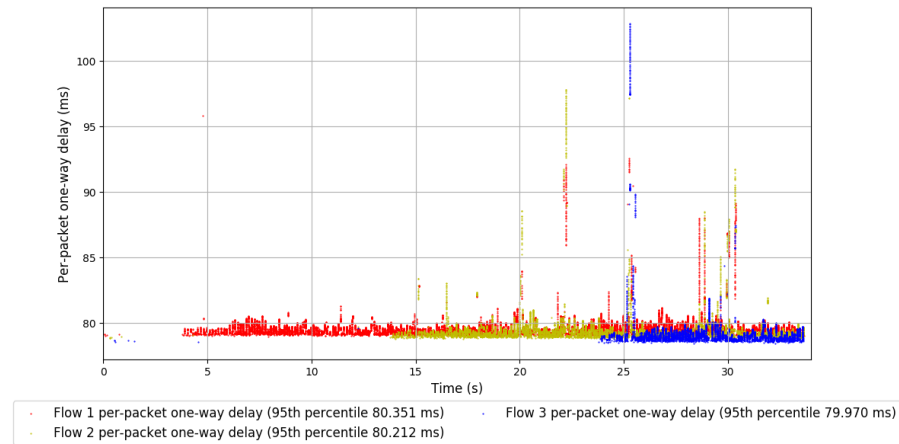
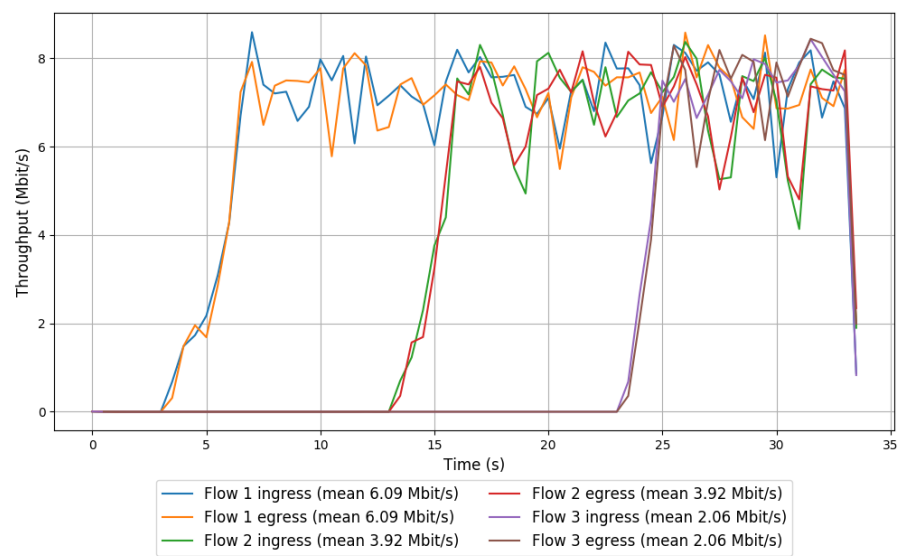
-- Flow 3:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 79.970 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Tue, 04 Jul 2017 20:52:27 +0000

End at: Tue, 04 Jul 2017 20:52:57 +0000

Local clock offset: 0.382 ms

Remote clock offset: -20.493 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:32 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 11.77 Mbit/s

95th percentile per-packet one-way delay: 80.289 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 80.215 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 81.294 ms

Loss rate: 0.00%

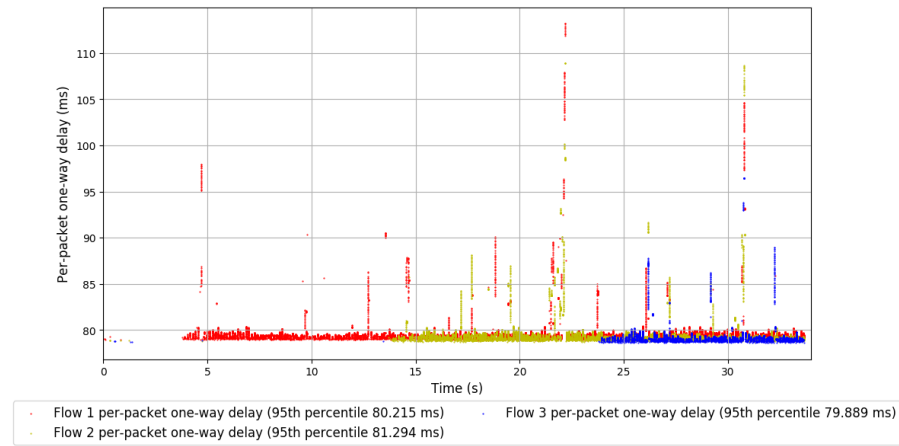
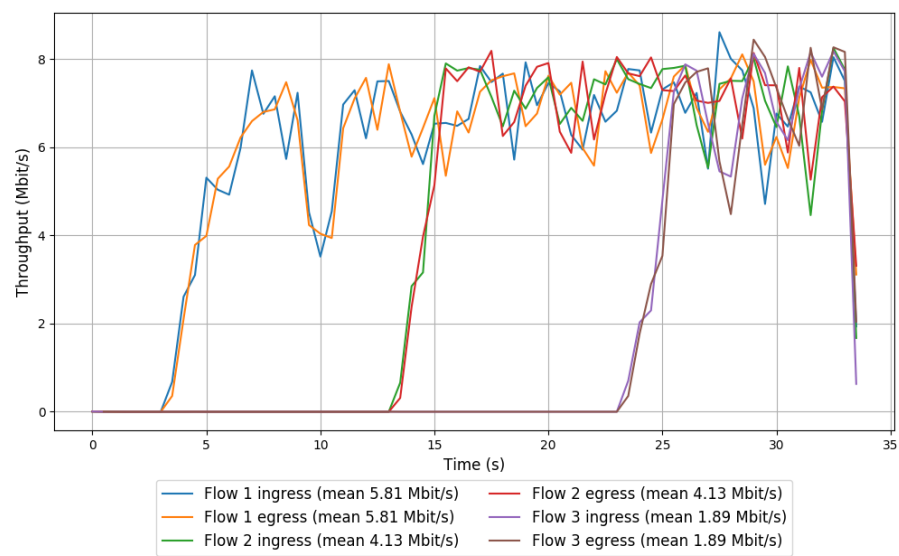
-- Flow 3:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 79.889 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Tue, 04 Jul 2017 21:11:02 +0000

End at: Tue, 04 Jul 2017 21:11:32 +0000

Local clock offset: 0.357 ms

Remote clock offset: -21.931 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:33 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 15.30 Mbit/s

95th percentile per-packet one-way delay: 80.704 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 7.14 Mbit/s

95th percentile per-packet one-way delay: 80.768 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 5.63 Mbit/s

95th percentile per-packet one-way delay: 80.572 ms

Loss rate: 0.00%

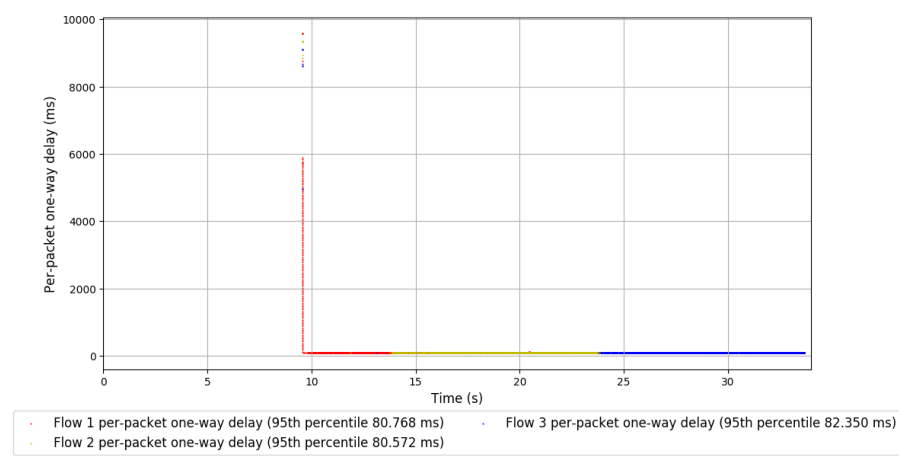
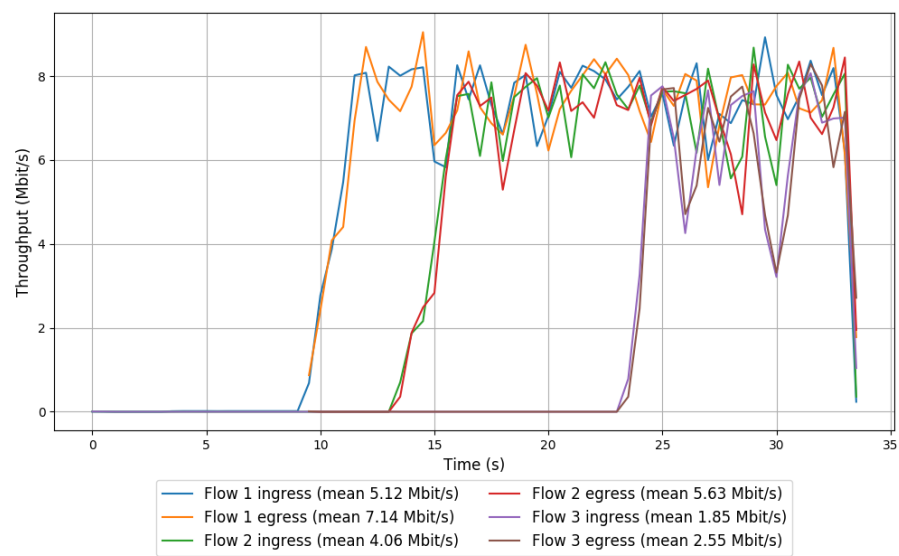
-- Flow 3:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 82.350 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

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

End at: Tue, 04 Jul 2017 21:29:59 +0000

Local clock offset: 0.361 ms

Remote clock offset: -23.434 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 12.05 Mbit/s

95th percentile per-packet one-way delay: 83.013 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 6.30 Mbit/s

95th percentile per-packet one-way delay: 82.238 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 83.869 ms

Loss rate: 0.00%

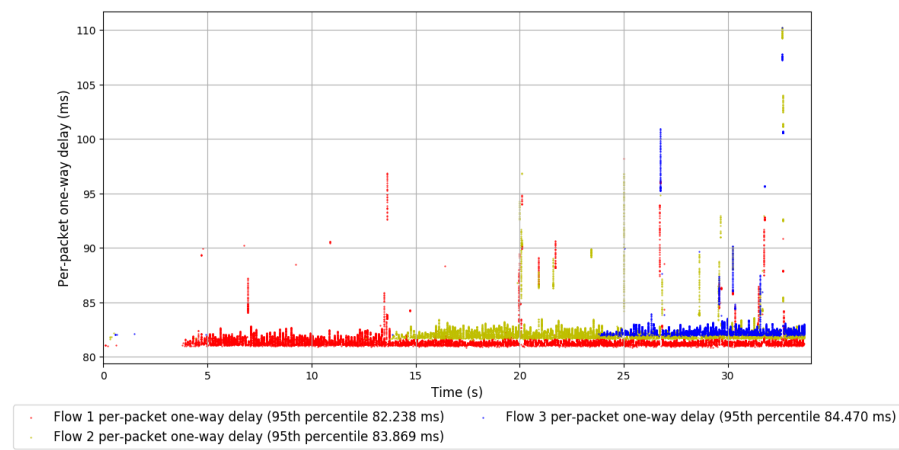
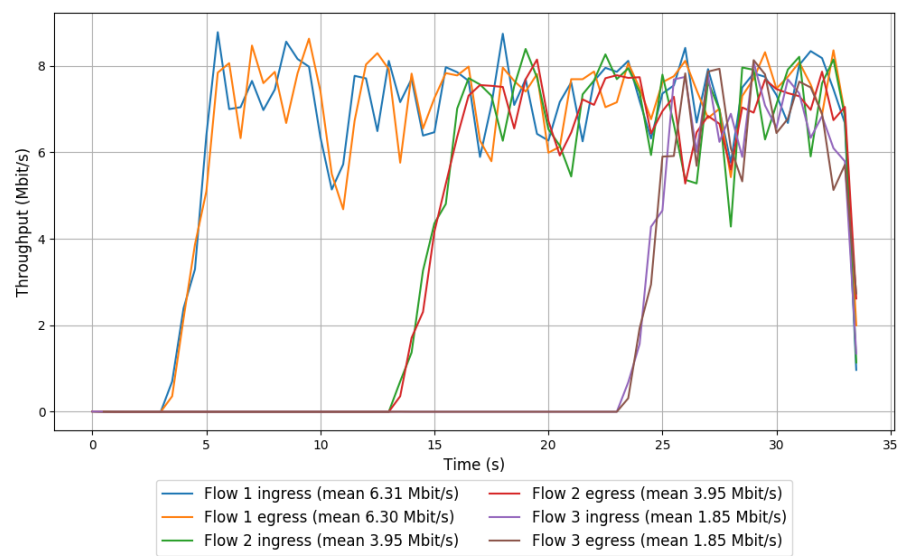
-- Flow 3:

Average throughput: 1.85 Mbit/s

95th percentile per-packet one-way delay: 84.470 ms

Loss rate: 0.10%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 18:38:35 +0000

End at: Tue, 04 Jul 2017 18:39:05 +0000

Local clock offset: 0.049 ms

Remote clock offset: -25.883 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.34 Mbit/s

95th percentile per-packet one-way delay: 169.623 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 38.36 Mbit/s

95th percentile per-packet one-way delay: 165.392 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 22.86 Mbit/s

95th percentile per-packet one-way delay: 177.077 ms

Loss rate: 0.03%

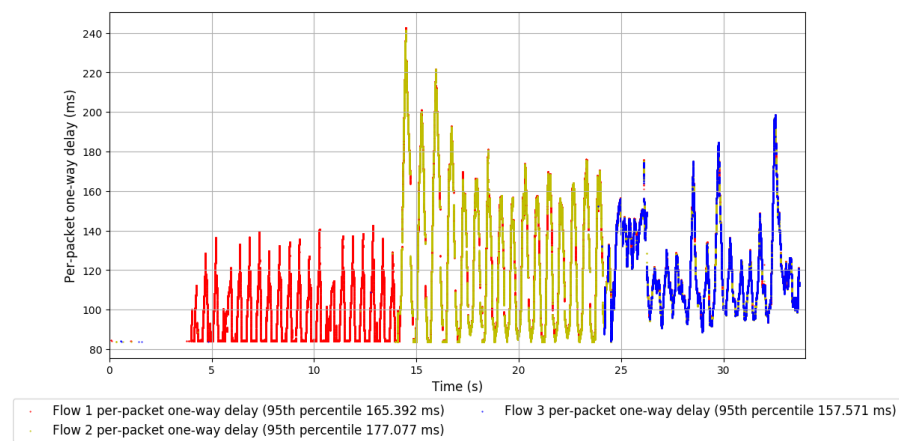
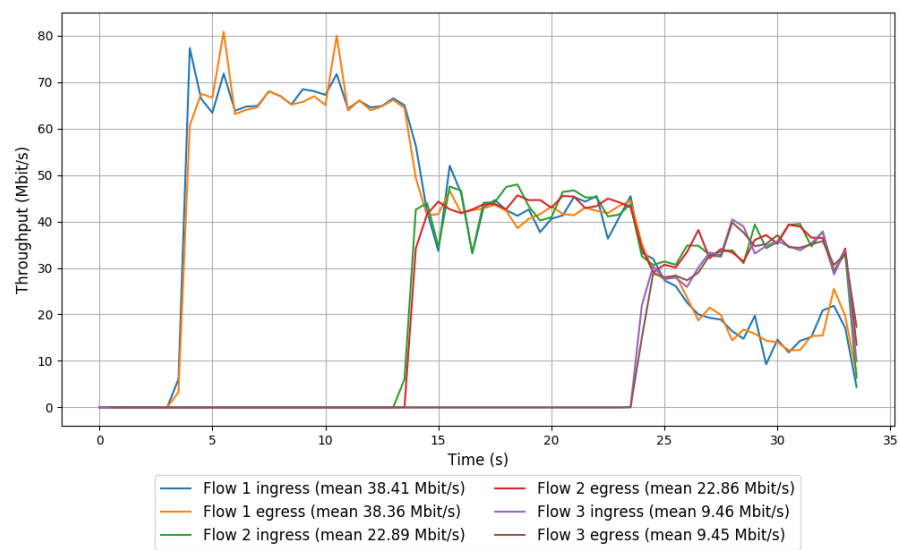
-- Flow 3:

Average throughput: 9.45 Mbit/s

95th percentile per-packet one-way delay: 157.571 ms

Loss rate: 0.06%

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



Run 2: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 18:57:07 +0000

End at: Tue, 04 Jul 2017 18:57:37 +0000

Local clock offset: 0.303 ms

Remote clock offset: -26.318 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:30:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.33 Mbit/s

95th percentile per-packet one-way delay: 161.803 ms

Loss rate: 0.33%

-- Flow 1:

Average throughput: 38.36 Mbit/s

95th percentile per-packet one-way delay: 159.591 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 19.26 Mbit/s

95th percentile per-packet one-way delay: 163.484 ms

Loss rate: 0.47%

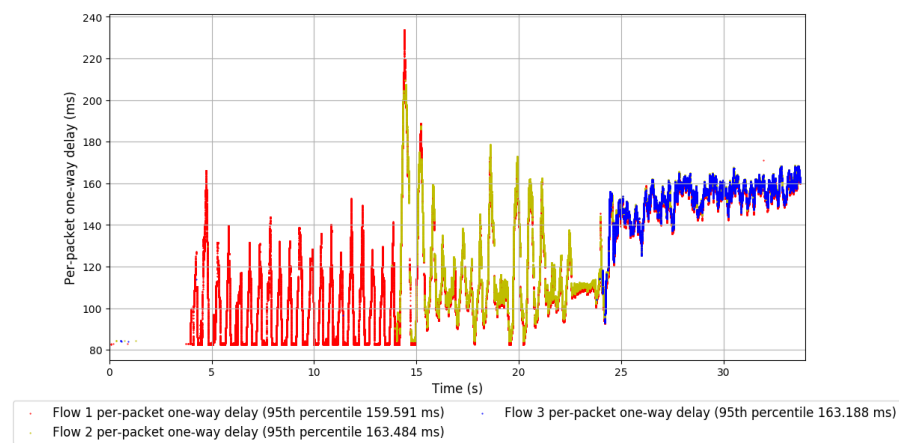
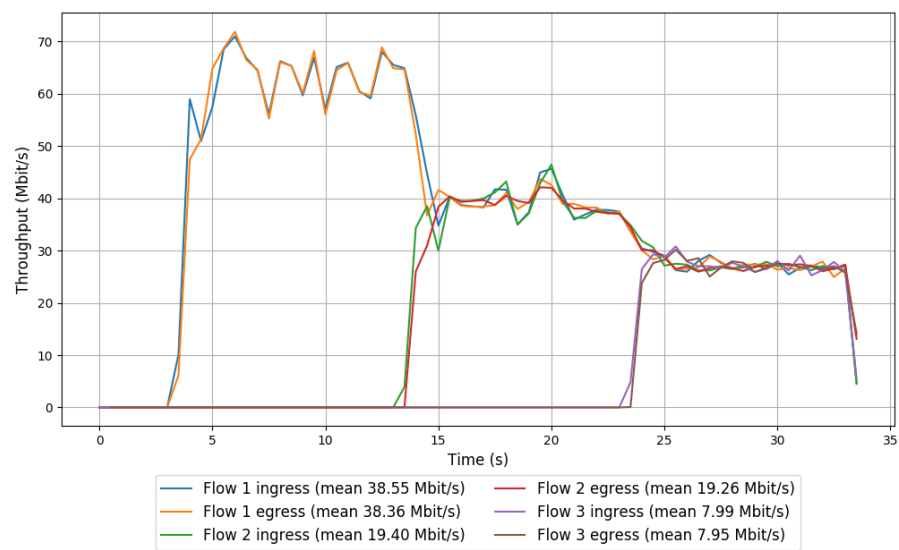
-- Flow 3:

Average throughput: 7.95 Mbit/s

95th percentile per-packet one-way delay: 163.188 ms

Loss rate: 0.27%

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



Run 3: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 19:15:58 +0000

End at: Tue, 04 Jul 2017 19:16:28 +0000

Local clock offset: 0.384 ms

Remote clock offset: -26.133 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:09 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.99 Mbit/s

95th percentile per-packet one-way delay: 159.409 ms

Loss rate: 1.16%

-- Flow 1:

Average throughput: 27.13 Mbit/s

95th percentile per-packet one-way delay: 162.014 ms

Loss rate: 1.11%

-- Flow 2:

Average throughput: 21.53 Mbit/s

95th percentile per-packet one-way delay: 161.284 ms

Loss rate: 1.47%

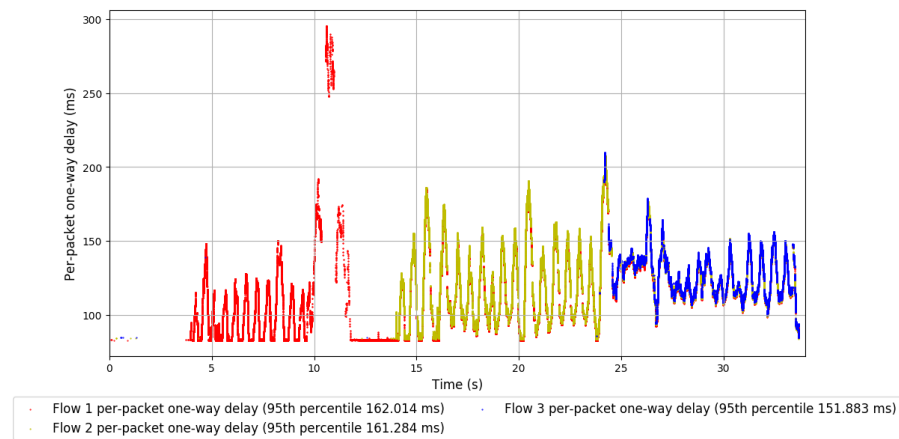
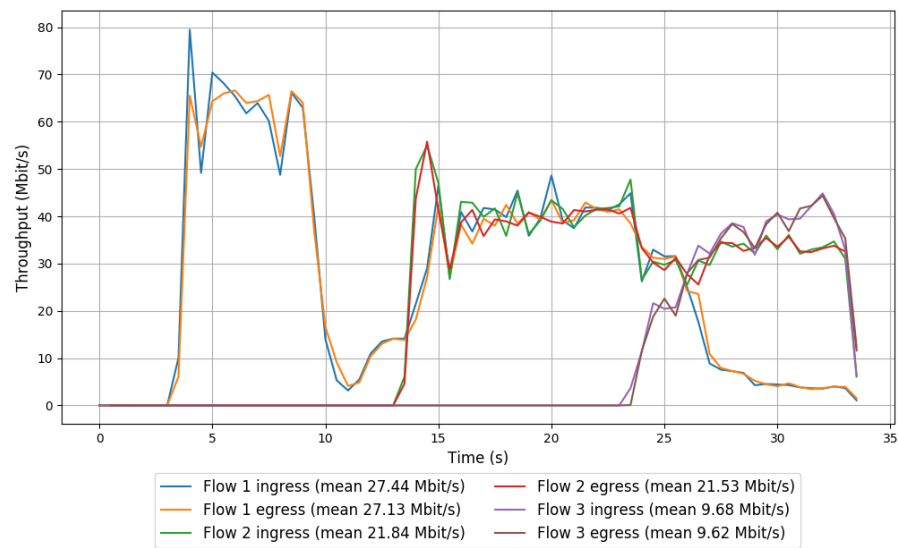
-- Flow 3:

Average throughput: 9.62 Mbit/s

95th percentile per-packet one-way delay: 151.883 ms

Loss rate: 0.59%

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



Run 4: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 19:34:30 +0000

End at: Tue, 04 Jul 2017 19:35:00 +0000

Local clock offset: 0.392 ms

Remote clock offset: -26.586 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:12 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.76 Mbit/s

95th percentile per-packet one-way delay: 174.676 ms

Loss rate: 3.02%

-- Flow 1:

Average throughput: 40.46 Mbit/s

95th percentile per-packet one-way delay: 169.348 ms

Loss rate: 2.48%

-- Flow 2:

Average throughput: 21.14 Mbit/s

95th percentile per-packet one-way delay: 178.469 ms

Loss rate: 4.04%

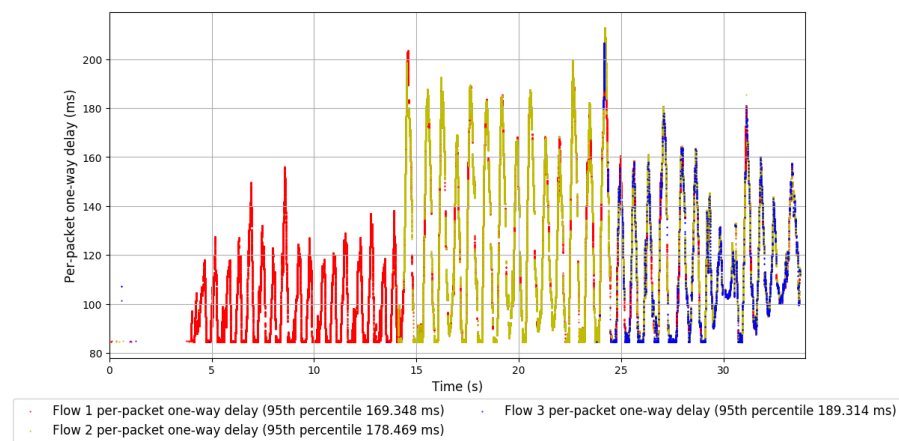
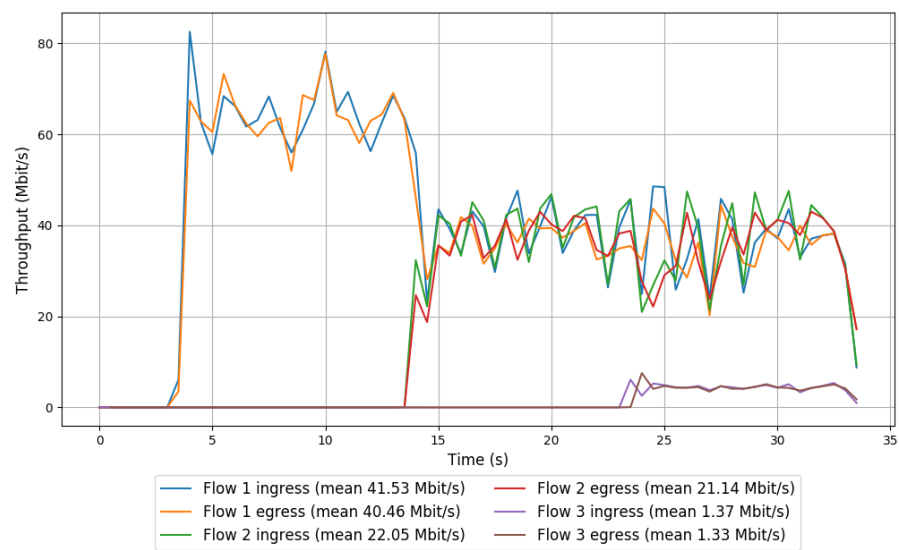
-- Flow 3:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 189.314 ms

Loss rate: 3.03%

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



Run 5: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 19:53:10 +0000

End at: Tue, 04 Jul 2017 19:53:40 +0000

Local clock offset: 0.529 ms

Remote clock offset: -22.127 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.01 Mbit/s

95th percentile per-packet one-way delay: 164.573 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 38.68 Mbit/s

95th percentile per-packet one-way delay: 152.232 ms

Loss rate: 0.63%

-- Flow 2:

Average throughput: 20.72 Mbit/s

95th percentile per-packet one-way delay: 170.785 ms

Loss rate: 0.93%

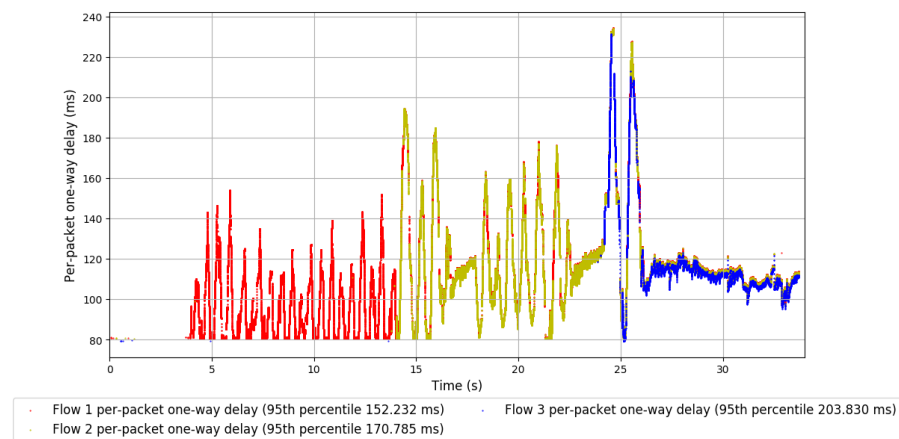
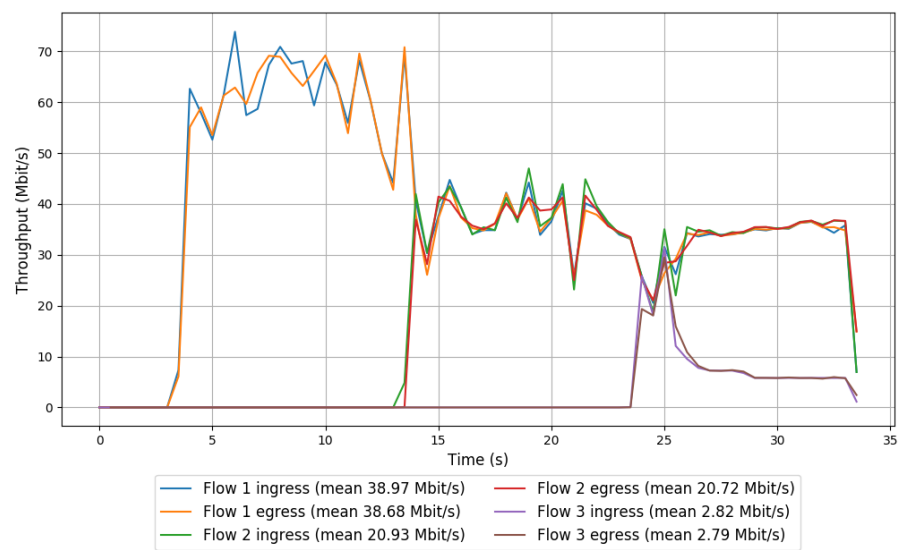
-- Flow 3:

Average throughput: 2.79 Mbit/s

95th percentile per-packet one-way delay: 203.830 ms

Loss rate: 0.68%

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



Run 6: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:11:39 +0000

End at: Tue, 04 Jul 2017 20:12:09 +0000

Local clock offset: 0.523 ms

Remote clock offset: -21.036 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:29 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.51 Mbit/s

95th percentile per-packet one-way delay: 163.091 ms

Loss rate: 0.90%

-- Flow 1:

Average throughput: 40.53 Mbit/s

95th percentile per-packet one-way delay: 158.232 ms

Loss rate: 0.75%

-- Flow 2:

Average throughput: 17.84 Mbit/s

95th percentile per-packet one-way delay: 167.249 ms

Loss rate: 1.13%

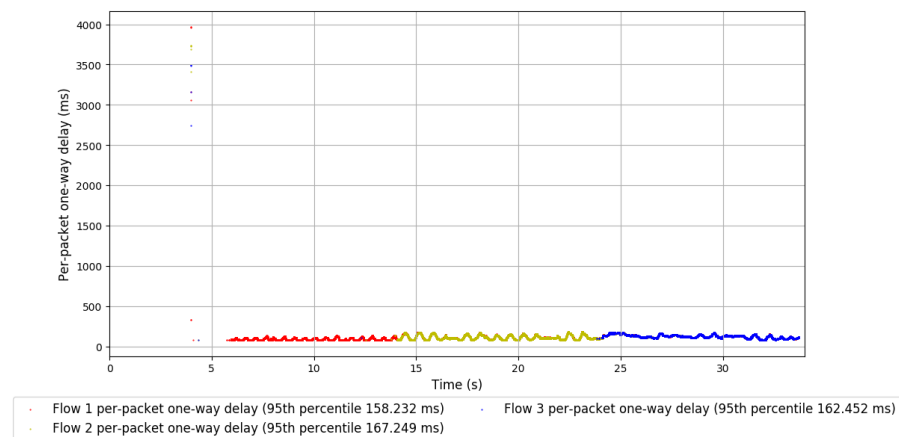
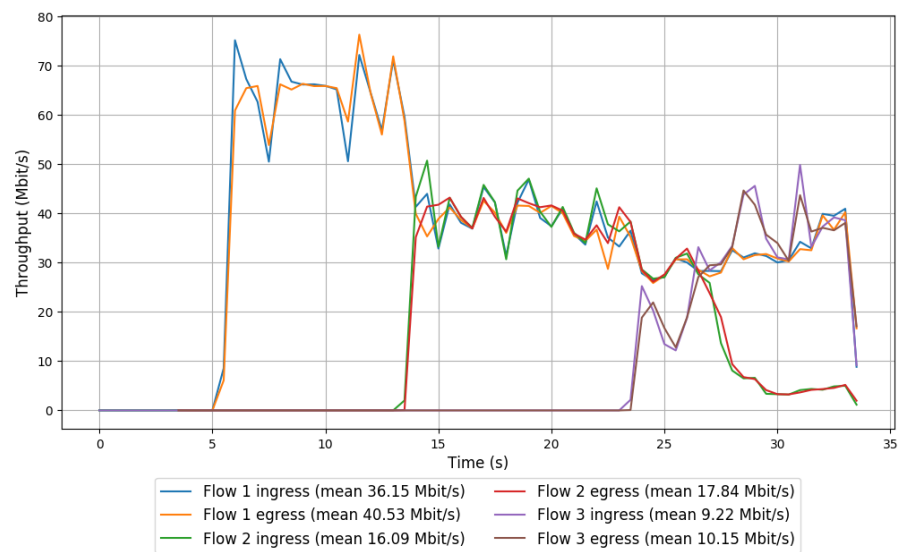
-- Flow 3:

Average throughput: 10.15 Mbit/s

95th percentile per-packet one-way delay: 162.452 ms

Loss rate: 1.08%

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



Run 7: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:30:13 +0000

End at: Tue, 04 Jul 2017 20:30:43 +0000

Local clock offset: 0.489 ms

Remote clock offset: -20.698 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:44 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 57.71 Mbit/s

95th percentile per-packet one-way delay: 166.560 ms

Loss rate: 3.03%

-- Flow 1:

Average throughput: 37.16 Mbit/s

95th percentile per-packet one-way delay: 161.574 ms

Loss rate: 2.46%

-- Flow 2:

Average throughput: 18.16 Mbit/s

95th percentile per-packet one-way delay: 171.950 ms

Loss rate: 4.17%

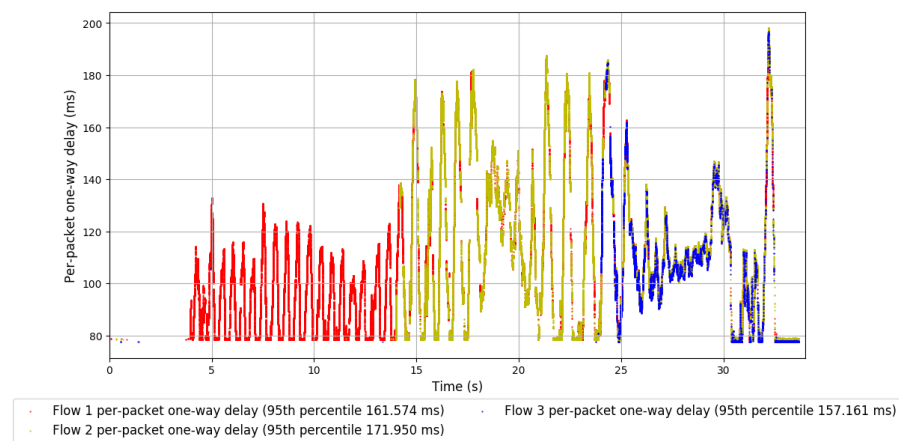
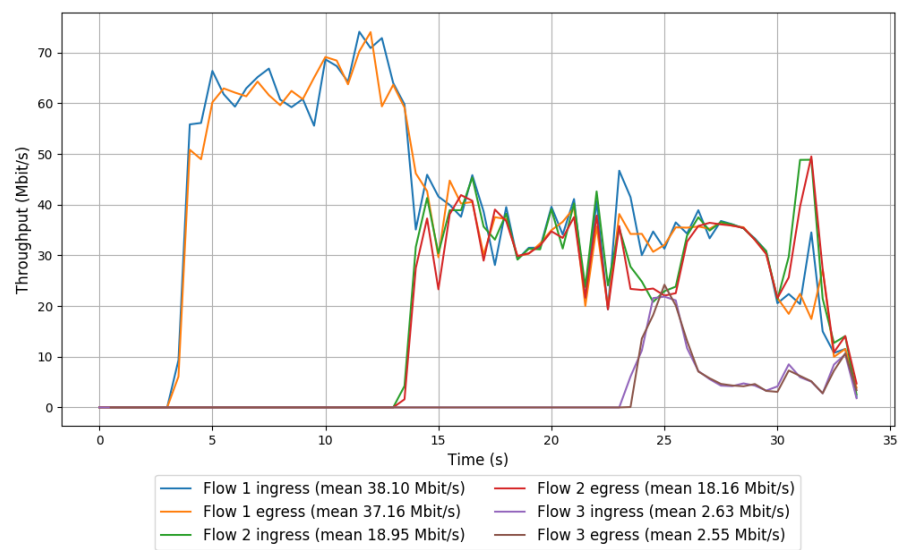
-- Flow 3:

Average throughput: 2.55 Mbit/s

95th percentile per-packet one-way delay: 157.161 ms

Loss rate: 3.08%

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



Run 8: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 20:48:43 +0000

End at: Tue, 04 Jul 2017 20:49:13 +0000

Local clock offset: 0.495 ms

Remote clock offset: -20.367 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.04 Mbit/s

95th percentile per-packet one-way delay: 149.980 ms

Loss rate: 0.93%

-- Flow 1:

Average throughput: 39.77 Mbit/s

95th percentile per-packet one-way delay: 145.601 ms

Loss rate: 0.79%

-- Flow 2:

Average throughput: 21.26 Mbit/s

95th percentile per-packet one-way delay: 156.554 ms

Loss rate: 1.33%

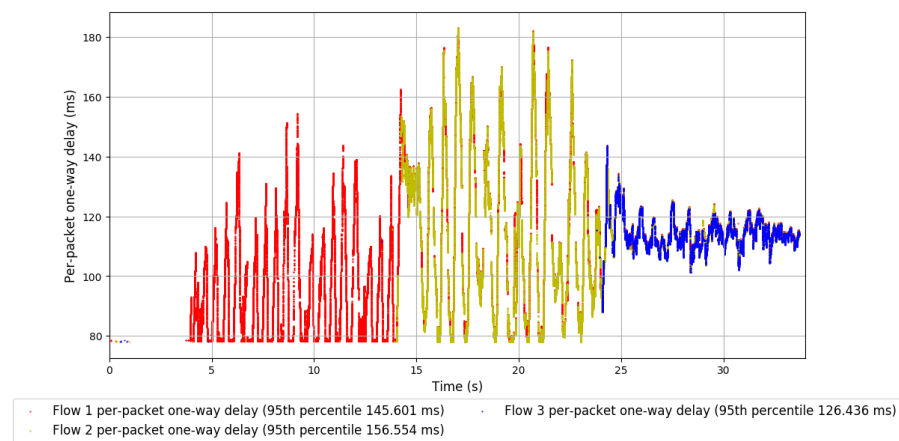
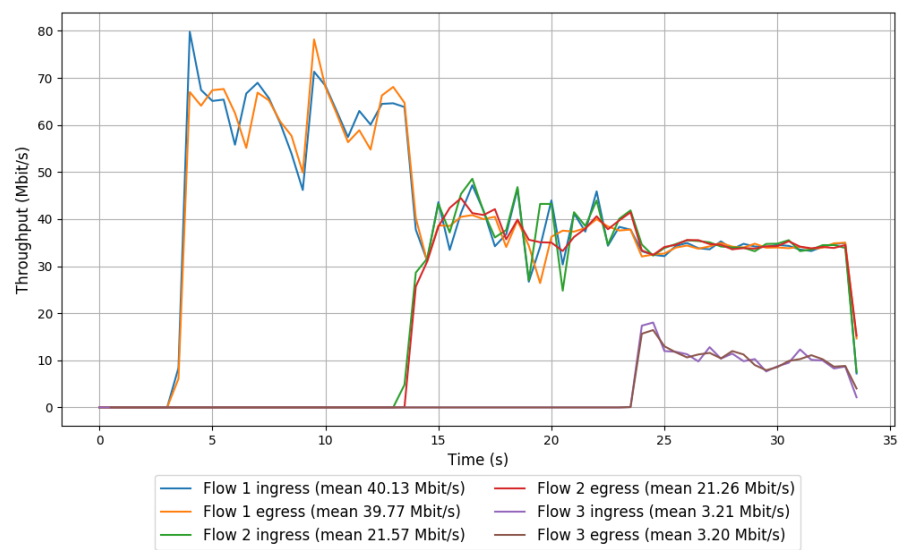
-- Flow 3:

Average throughput: 3.20 Mbit/s

95th percentile per-packet one-way delay: 126.436 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 21:07:18 +0000

End at: Tue, 04 Jul 2017 21:07:48 +0000

Local clock offset: 0.429 ms

Remote clock offset: -21.174 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:31:57 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 51.49 Mbit/s

95th percentile per-packet one-way delay: 158.239 ms

Loss rate: 2.51%

-- Flow 1:

Average throughput: 31.41 Mbit/s

95th percentile per-packet one-way delay: 143.918 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 13.41 Mbit/s

95th percentile per-packet one-way delay: 170.803 ms

Loss rate: 3.65%

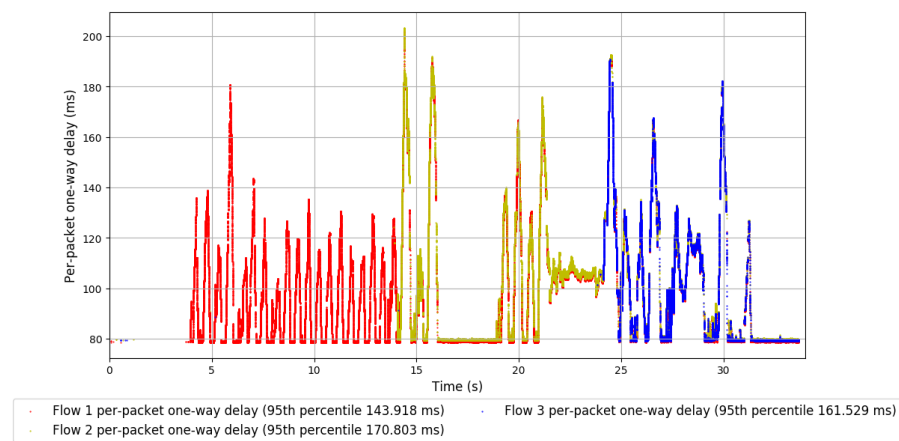
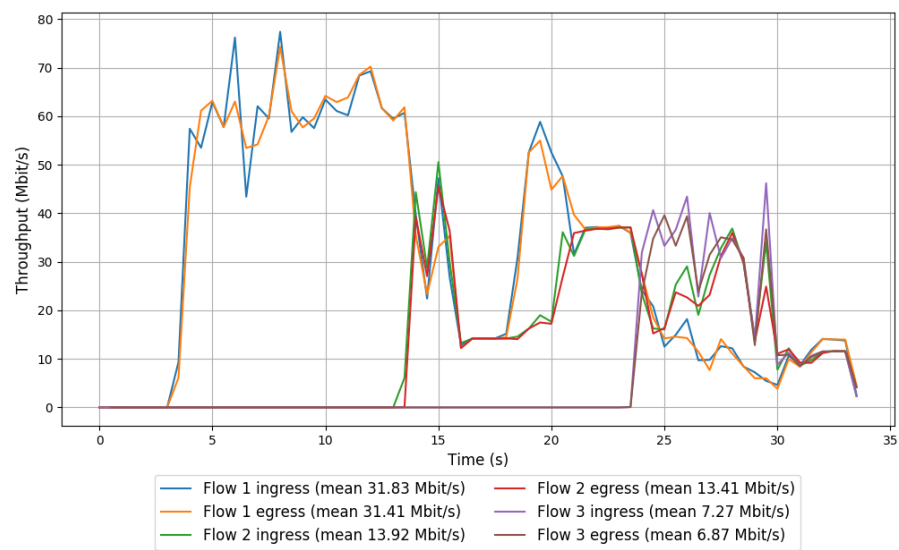
-- Flow 3:

Average throughput: 6.87 Mbit/s

95th percentile per-packet one-way delay: 161.529 ms

Loss rate: 5.52%

Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 21:25:39 +0000

End at: Tue, 04 Jul 2017 21:26:09 +0000

Local clock offset: 0.381 ms

Remote clock offset: -22.97 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 149.015 ms

Loss rate: 0.83%

-- Flow 1:

Average throughput: 39.77 Mbit/s

95th percentile per-packet one-way delay: 145.056 ms

Loss rate: 0.60%

-- Flow 2:

Average throughput: 13.92 Mbit/s

95th percentile per-packet one-way delay: 162.448 ms

Loss rate: 1.48%

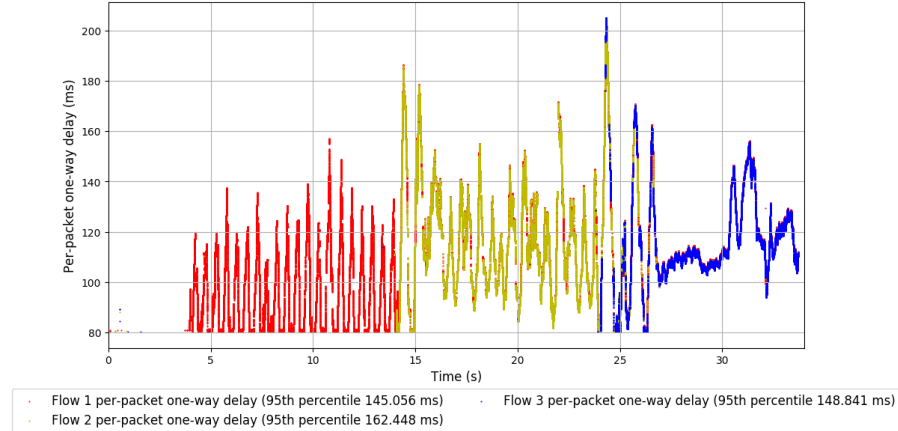
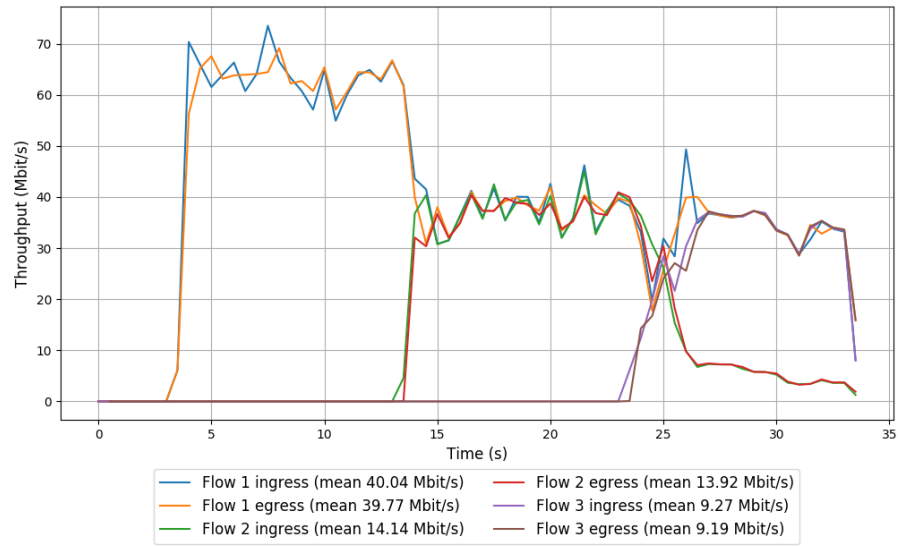
-- Flow 3:

Average throughput: 9.19 Mbit/s

95th percentile per-packet one-way delay: 148.841 ms

Loss rate: 0.80%

Run 10: Report of TaoVA-100x — Data Link



Run 1: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 18:50:55 +0000

End at: Tue, 04 Jul 2017 18:51:25 +0000

Local clock offset: 0.244 ms

Remote clock offset: -25.819 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.59 Mbit/s

95th percentile per-packet one-way delay: 259.011 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 61.28 Mbit/s

95th percentile per-packet one-way delay: 258.903 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 7.56 Mbit/s

95th percentile per-packet one-way delay: 257.520 ms

Loss rate: 0.00%

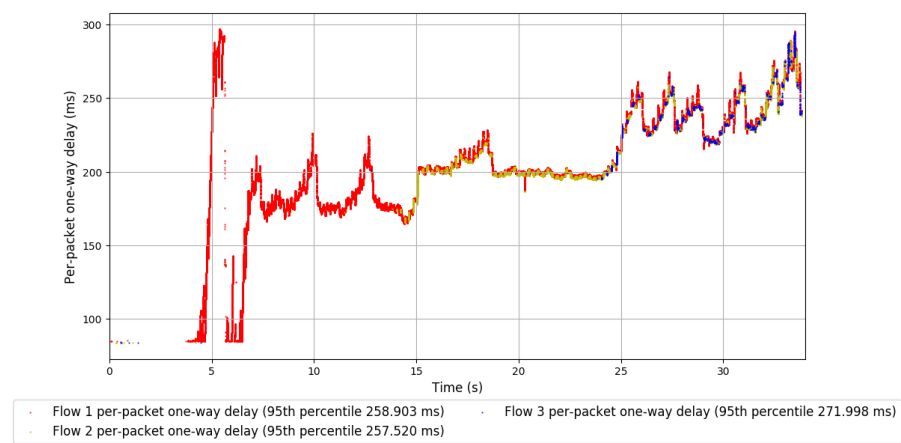
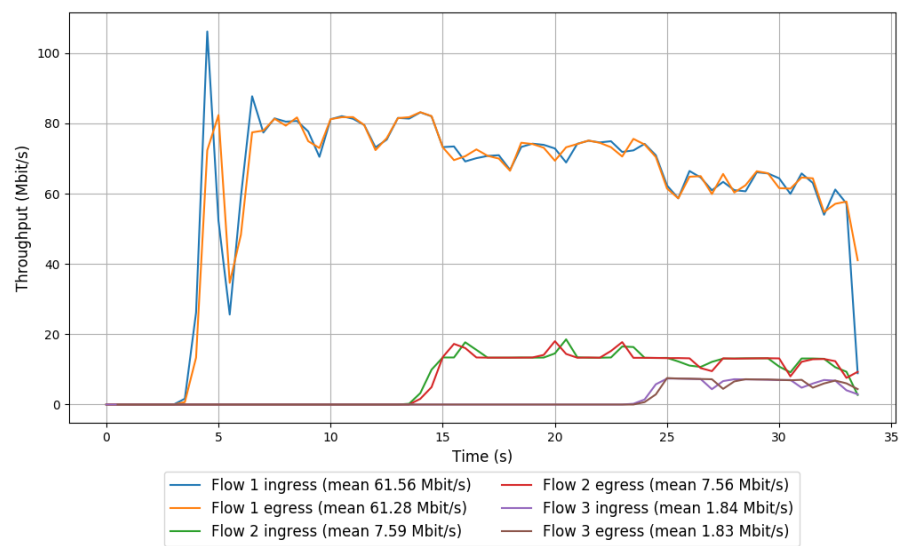
-- Flow 3:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 271.998 ms

Loss rate: 0.00%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 19:09:49 +0000

End at: Tue, 04 Jul 2017 19:10:19 +0000

Local clock offset: 0.374 ms

Remote clock offset: -26.047 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:15 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 64.78 Mbit/s

95th percentile per-packet one-way delay: 224.584 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 59.16 Mbit/s

95th percentile per-packet one-way delay: 225.807 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 149.825 ms

Loss rate: 0.00%

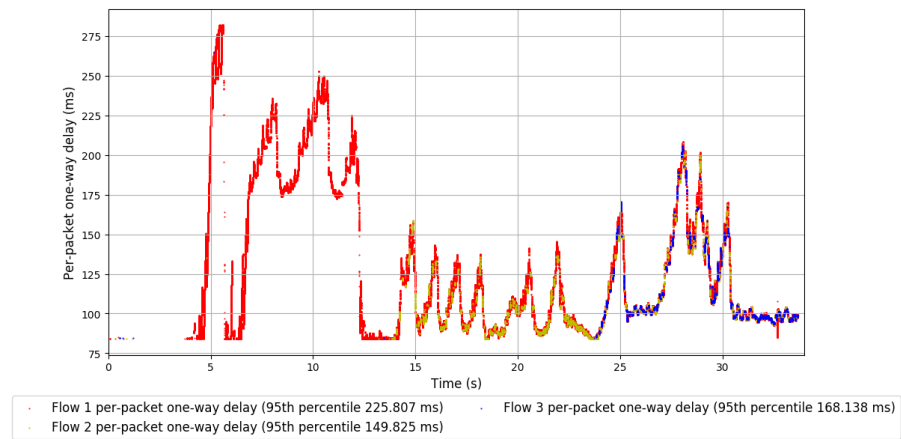
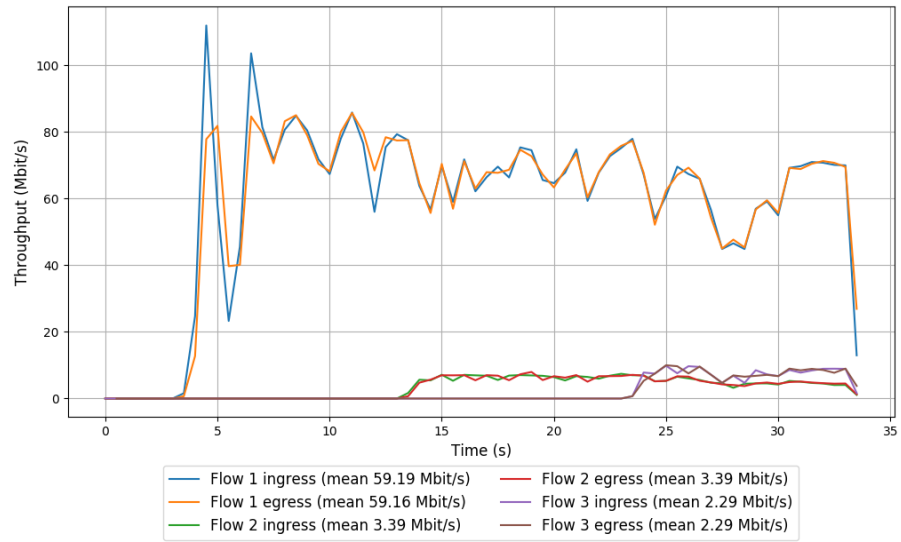
-- Flow 3:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 168.138 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 19:28:22 +0000

End at: Tue, 04 Jul 2017 19:28:52 +0000

Local clock offset: 0.466 ms

Remote clock offset: -26.656 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:19 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.38 Mbit/s

95th percentile per-packet one-way delay: 284.210 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 17.06 Mbit/s

95th percentile per-packet one-way delay: 293.274 ms

Loss rate: 0.86%

-- Flow 2:

Average throughput: 28.28 Mbit/s

95th percentile per-packet one-way delay: 291.411 ms

Loss rate: 0.05%

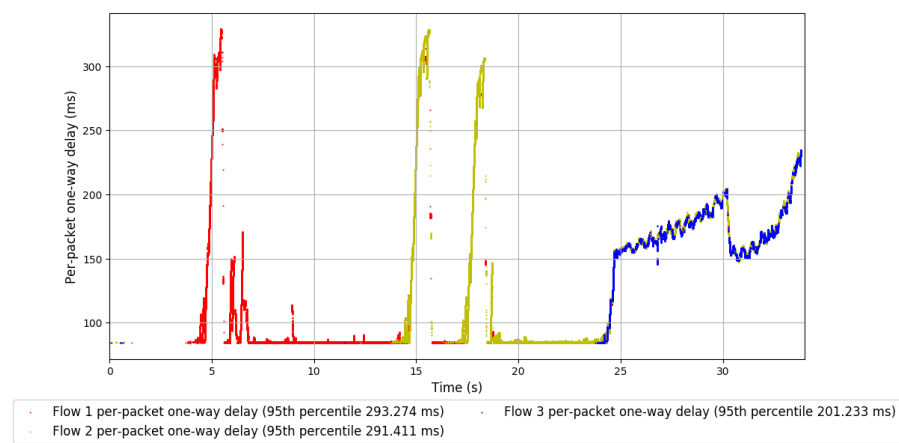
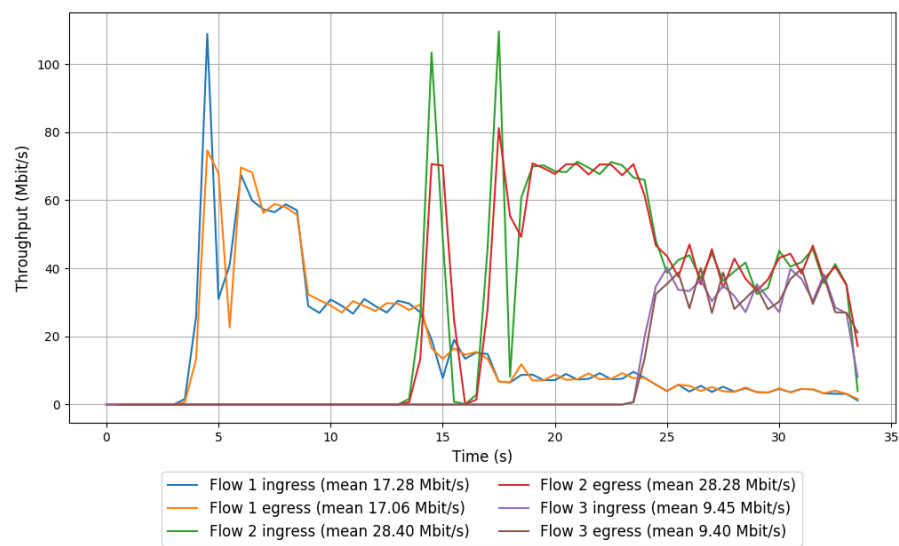
-- Flow 3:

Average throughput: 9.40 Mbit/s

95th percentile per-packet one-way delay: 201.233 ms

Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 19:46:57 +0000

End at: Tue, 04 Jul 2017 19:47:27 +0000

Local clock offset: 0.459 ms

Remote clock offset: -23.615 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.52 Mbit/s

95th percentile per-packet one-way delay: 530.174 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 37.38 Mbit/s

95th percentile per-packet one-way delay: 502.780 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 26.63 Mbit/s

95th percentile per-packet one-way delay: 550.136 ms

Loss rate: 0.09%

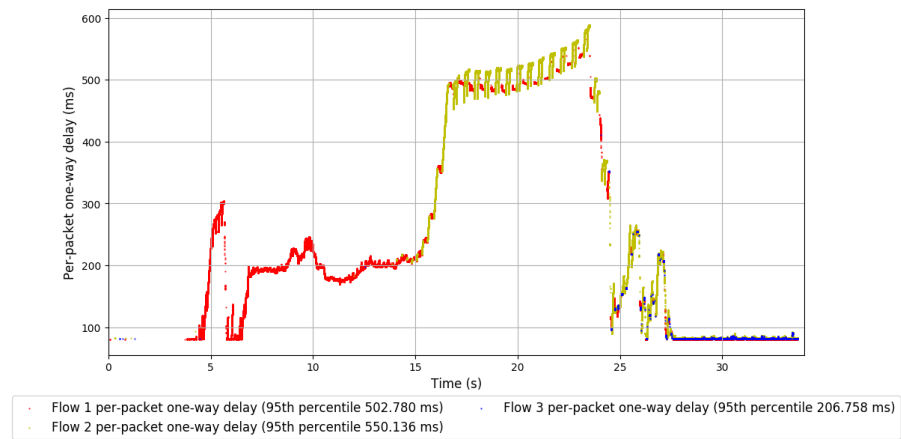
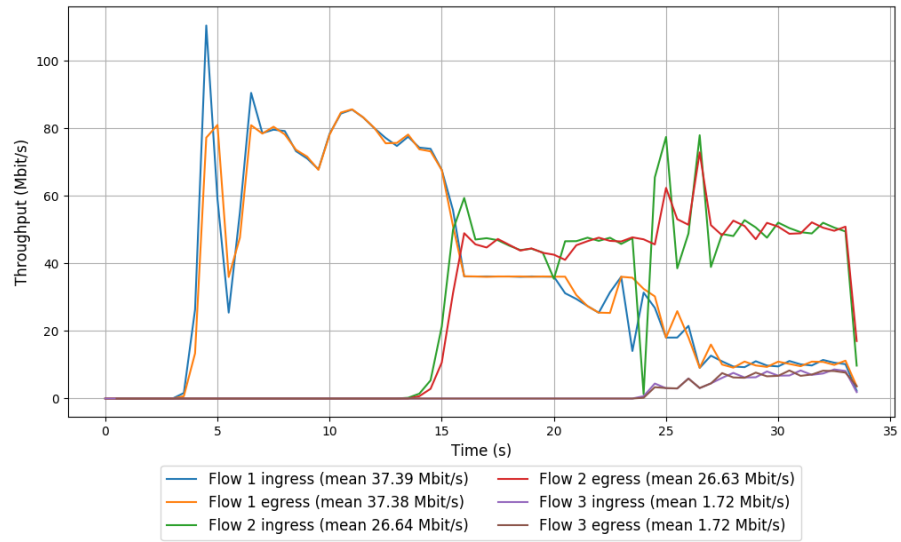
-- Flow 3:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 206.758 ms

Loss rate: 0.00%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 20:05:36 +0000

End at: Tue, 04 Jul 2017 20:06:06 +0000

Local clock offset: 0.439 ms

Remote clock offset: -20.956 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:30 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.75 Mbit/s

95th percentile per-packet one-way delay: 232.246 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 63.92 Mbit/s

95th percentile per-packet one-way delay: 233.277 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 2.02 Mbit/s

95th percentile per-packet one-way delay: 232.018 ms

Loss rate: 0.02%

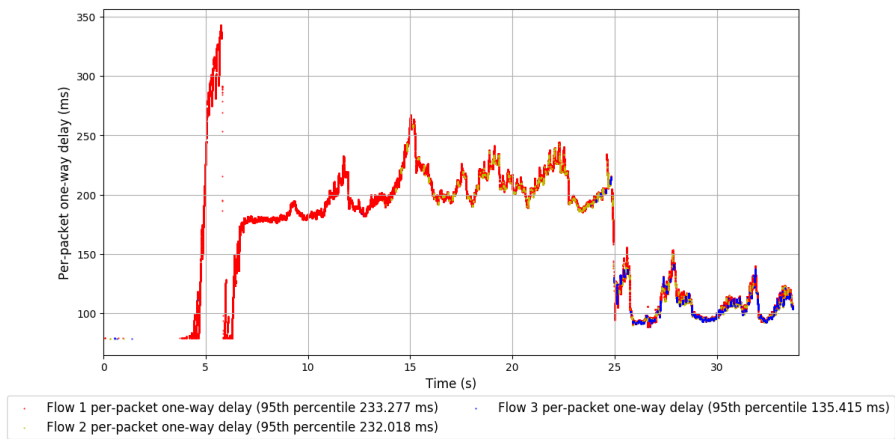
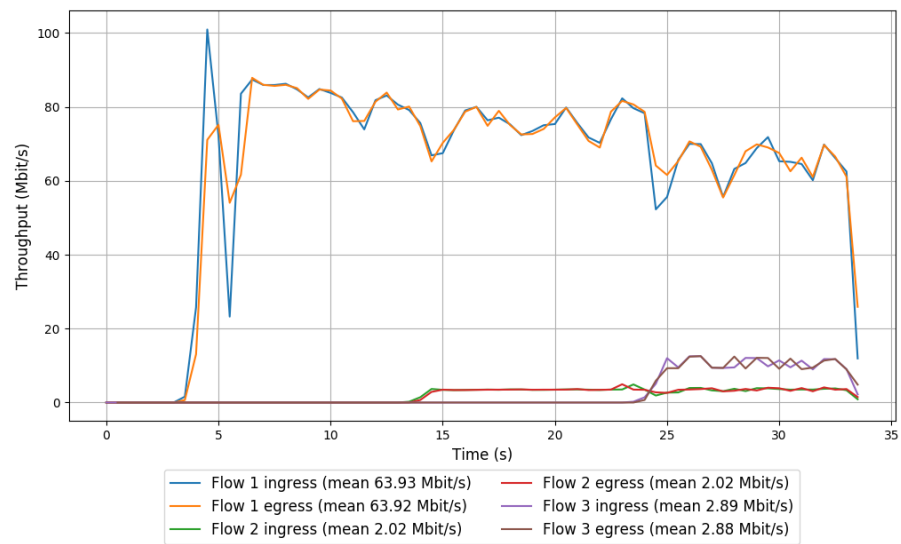
-- Flow 3:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 135.415 ms

Loss rate: 0.11%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 20:24:06 +0000

End at: Tue, 04 Jul 2017 20:24:36 +0000

Local clock offset: 0.456 ms

Remote clock offset: -21.119 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:34 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 52.75 Mbit/s

95th percentile per-packet one-way delay: 206.956 ms

Loss rate: 0.76%

-- Flow 1:

Average throughput: 19.00 Mbit/s

95th percentile per-packet one-way delay: 179.029 ms

Loss rate: 0.77%

-- Flow 2:

Average throughput: 32.59 Mbit/s

95th percentile per-packet one-way delay: 227.850 ms

Loss rate: 0.73%

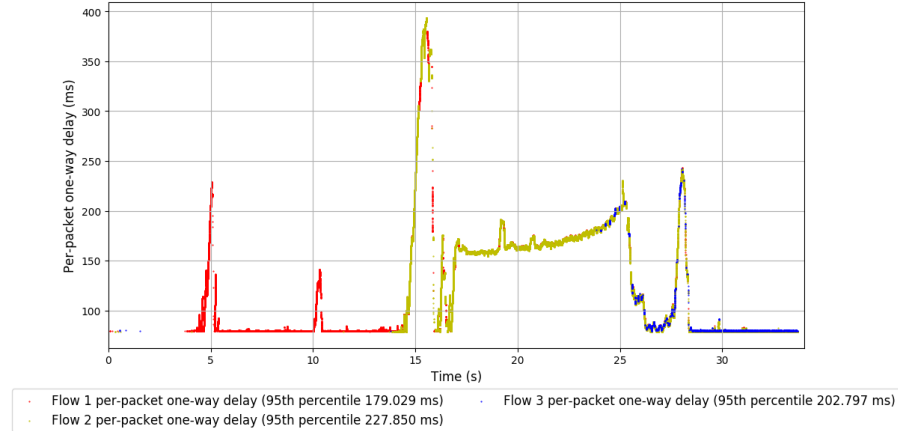
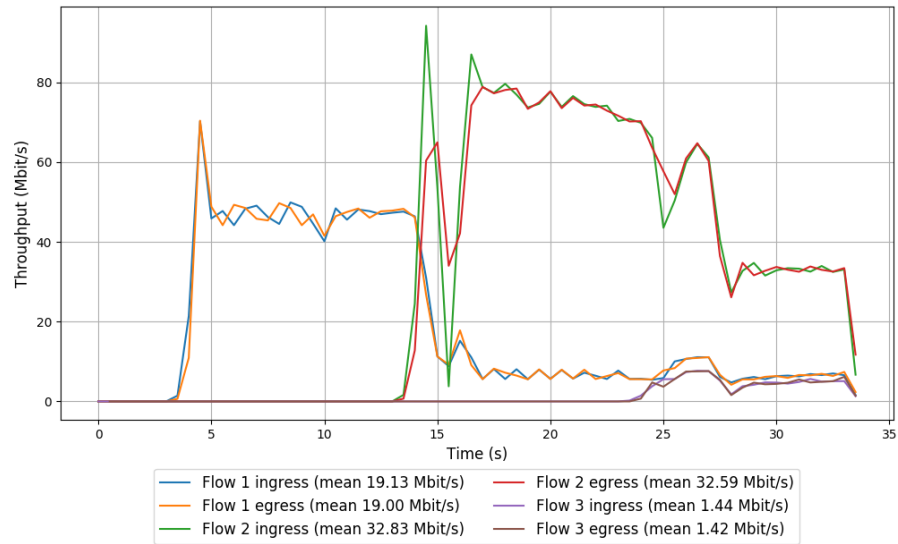
-- Flow 3:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 202.797 ms

Loss rate: 1.49%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 20:42:33 +0000

End at: Tue, 04 Jul 2017 20:43:03 +0000

Local clock offset: 0.517 ms

Remote clock offset: -20.72 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:38 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 54.77 Mbit/s

95th percentile per-packet one-way delay: 251.908 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 32.07 Mbit/s

95th percentile per-packet one-way delay: 234.749 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 21.11 Mbit/s

95th percentile per-packet one-way delay: 308.196 ms

Loss rate: 0.26%

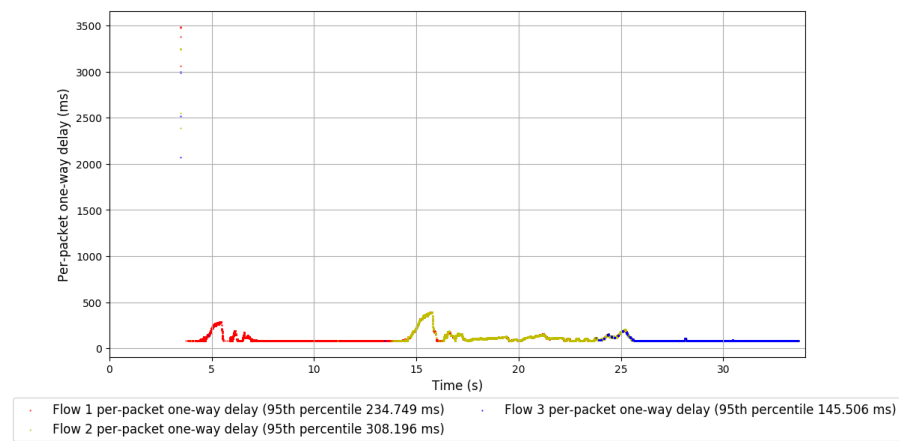
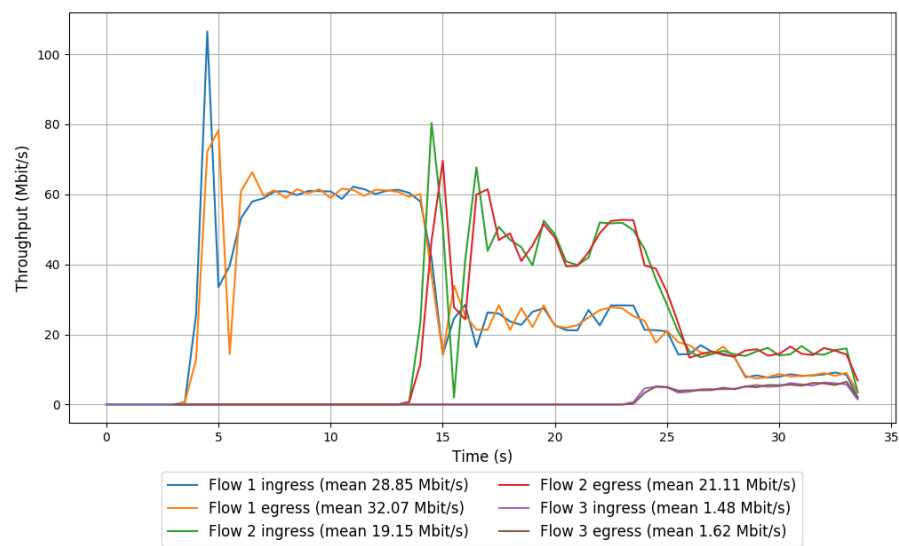
-- Flow 3:

Average throughput: 1.62 Mbit/s

95th percentile per-packet one-way delay: 145.506 ms

Loss rate: 0.27%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:01:07 +0000

End at: Tue, 04 Jul 2017 21:01:37 +0000

Local clock offset: 0.442 ms

Remote clock offset: -20.899 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:43 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 56.34 Mbit/s

95th percentile per-packet one-way delay: 242.136 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 49.59 Mbit/s

95th percentile per-packet one-way delay: 244.275 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 4.73 Mbit/s

95th percentile per-packet one-way delay: 239.428 ms

Loss rate: 0.02%

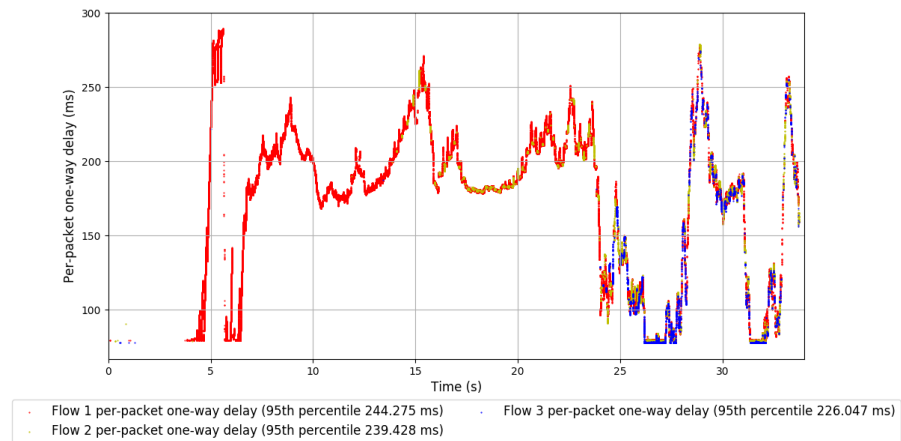
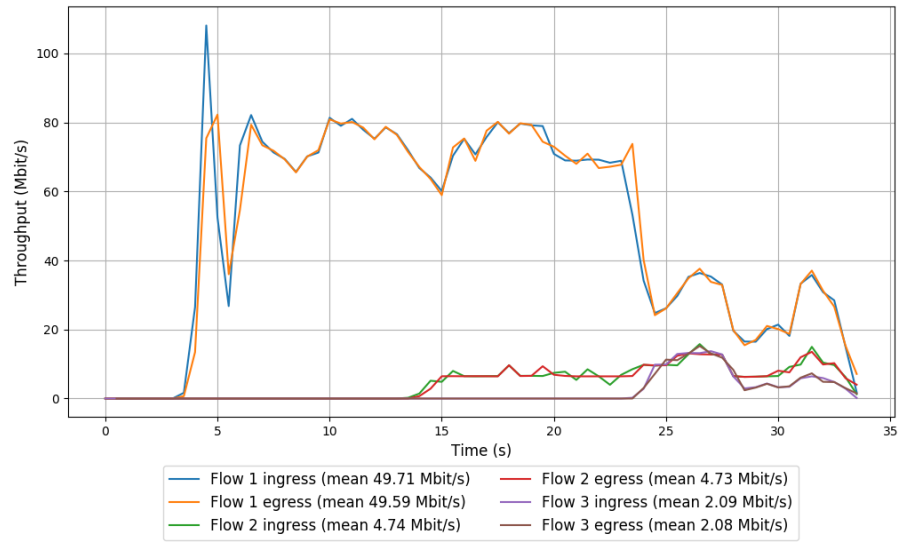
-- Flow 3:

Average throughput: 2.08 Mbit/s

95th percentile per-packet one-way delay: 226.047 ms

Loss rate: 0.07%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:19:32 +0000

End at: Tue, 04 Jul 2017 21:20:02 +0000

Local clock offset: 0.343 ms

Remote clock offset: -22.068 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:48 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.06 Mbit/s

95th percentile per-packet one-way delay: 212.496 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 55.91 Mbit/s

95th percentile per-packet one-way delay: 213.277 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 211.934 ms

Loss rate: 0.44%

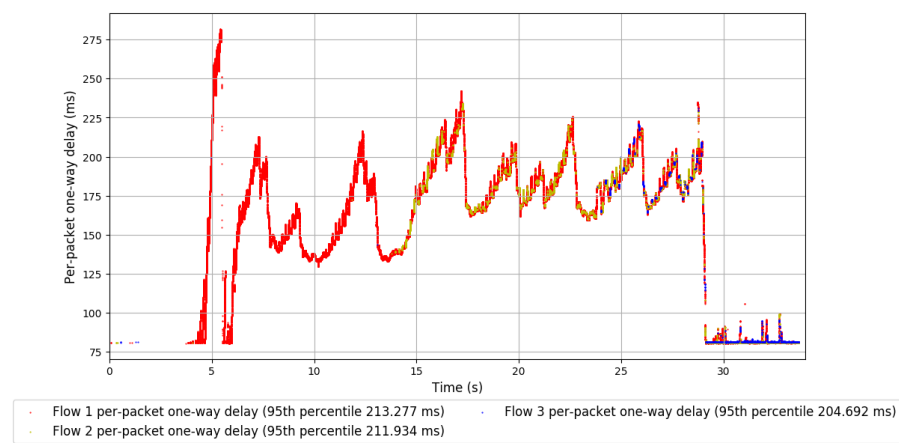
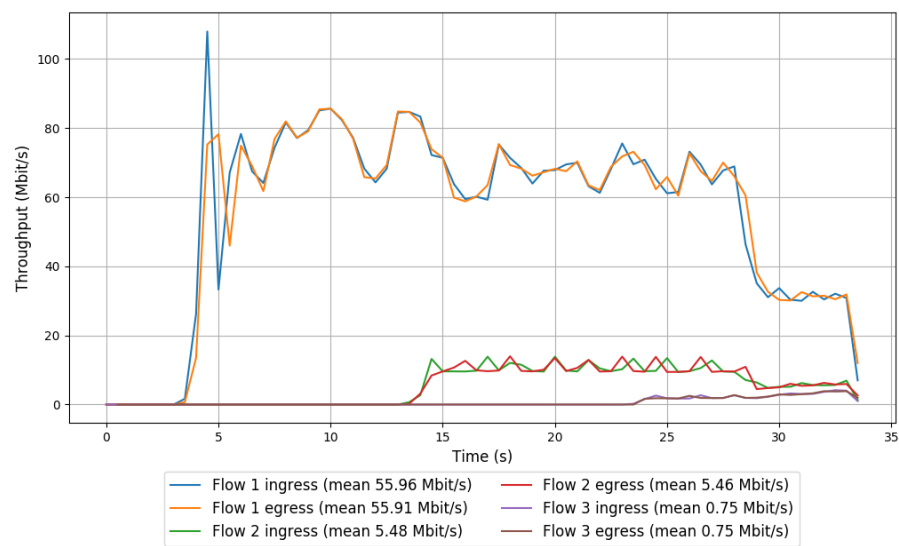
-- Flow 3:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 204.692 ms

Loss rate: 0.63%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 21:38:09 +0000

End at: Tue, 04 Jul 2017 21:38:39 +0000

Local clock offset: 0.349 ms

Remote clock offset: -23.288 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:53 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.58 Mbit/s

95th percentile per-packet one-way delay: 220.517 ms

Loss rate: 0.40%

-- Flow 1:

Average throughput: 43.74 Mbit/s

95th percentile per-packet one-way delay: 194.712 ms

Loss rate: 0.32%

-- Flow 2:

Average throughput: 1.59 Mbit/s

95th percentile per-packet one-way delay: 188.822 ms

Loss rate: 0.58%

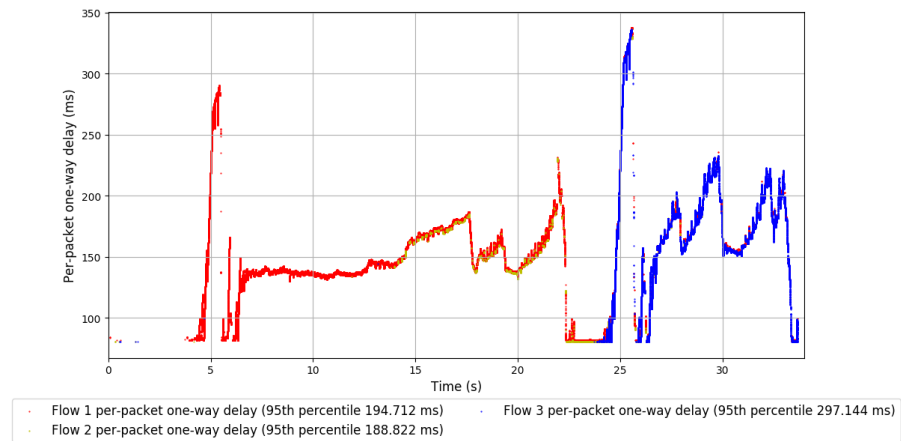
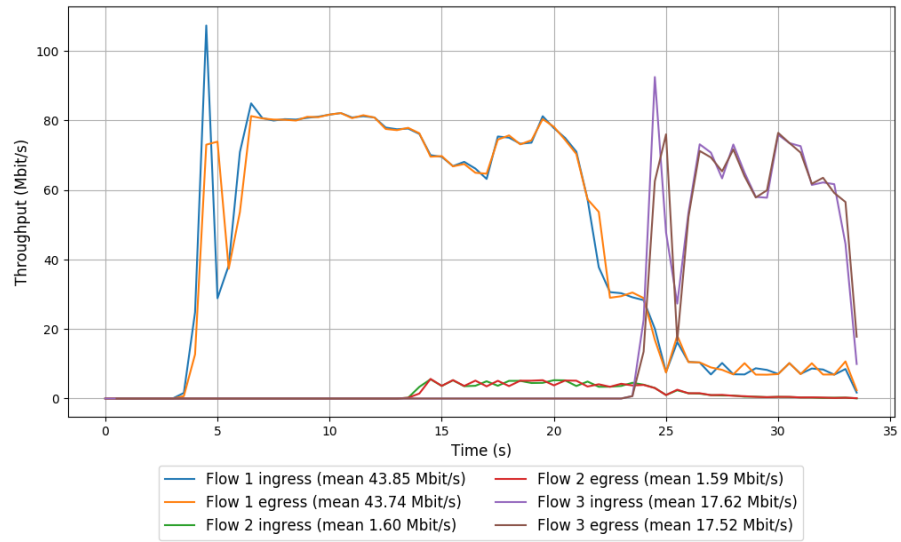
-- Flow 3:

Average throughput: 17.52 Mbit/s

95th percentile per-packet one-way delay: 297.144 ms

Loss rate: 0.57%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Tue, 04 Jul 2017 18:49:37 +0000

End at: Tue, 04 Jul 2017 18:50:07 +0000

Local clock offset: 0.207 ms

Remote clock offset: -26.417 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:32:59 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.89 Mbit/s

95th percentile per-packet one-way delay: 629.597 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 64.51 Mbit/s

95th percentile per-packet one-way delay: 627.114 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 677.948 ms

Loss rate: 0.00%

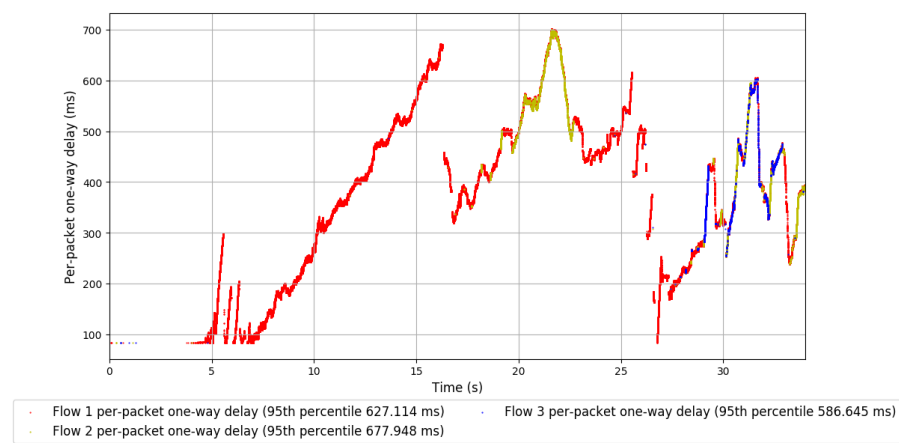
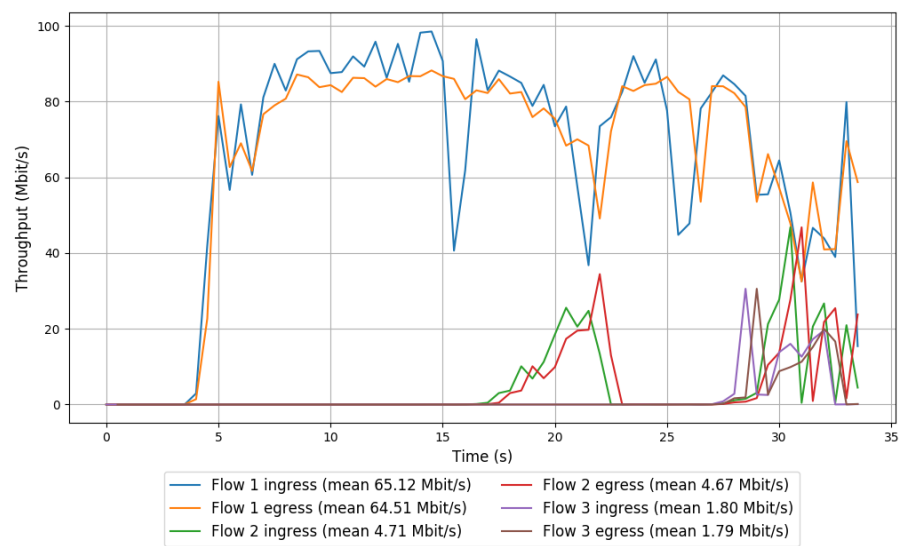
-- Flow 3:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 586.645 ms

Loss rate: 0.04%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:08:25 +0000

End at: Tue, 04 Jul 2017 19:08:55 +0000

Local clock offset: 0.401 ms

Remote clock offset: -26.718 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:04 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.43 Mbit/s

95th percentile per-packet one-way delay: 734.423 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 43.34 Mbit/s

95th percentile per-packet one-way delay: 649.337 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 17.86 Mbit/s

95th percentile per-packet one-way delay: 742.902 ms

Loss rate: 0.23%

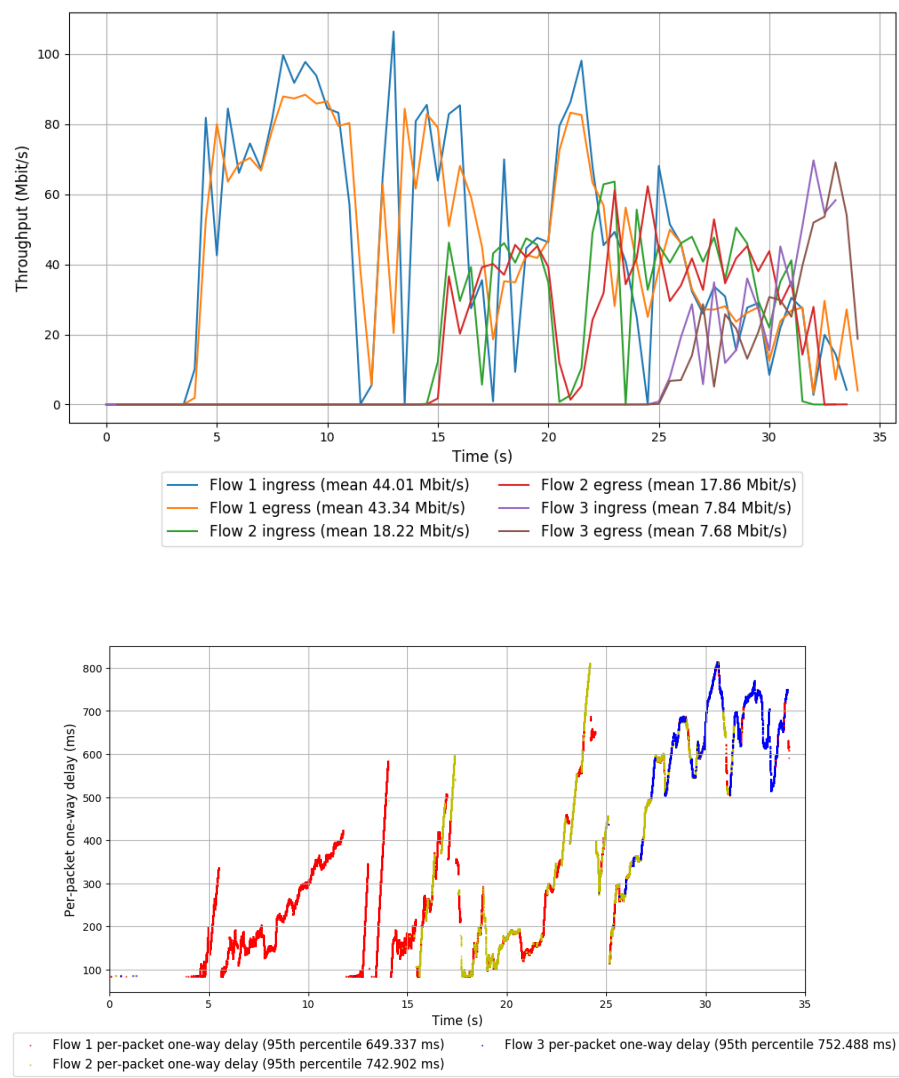
-- Flow 3:

Average throughput: 7.68 Mbit/s

95th percentile per-packet one-way delay: 752.488 ms

Loss rate: 0.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:27:05 +0000

End at: Tue, 04 Jul 2017 19:27:35 +0000

Local clock offset: 0.479 ms

Remote clock offset: -26.578 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:10 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 68.62 Mbit/s

95th percentile per-packet one-way delay: 693.402 ms

Loss rate: 0.34%

-- Flow 1:

Average throughput: 39.24 Mbit/s

95th percentile per-packet one-way delay: 614.578 ms

Loss rate: 0.49%

-- Flow 2:

Average throughput: 26.68 Mbit/s

95th percentile per-packet one-way delay: 731.185 ms

Loss rate: 0.16%

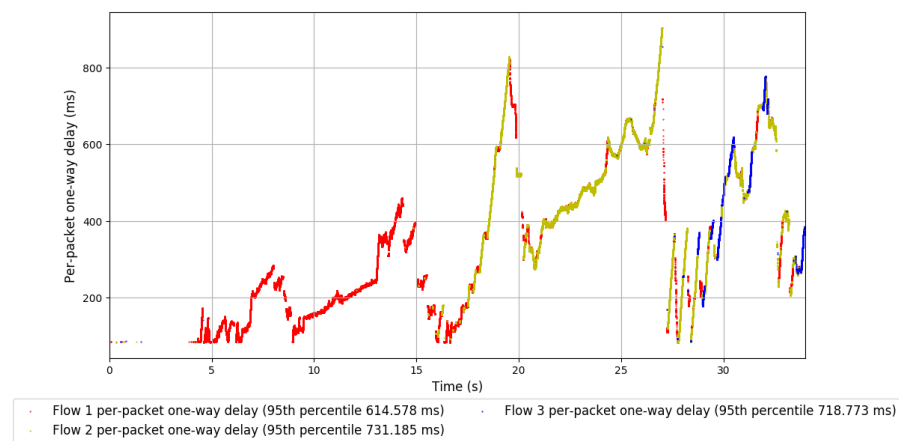
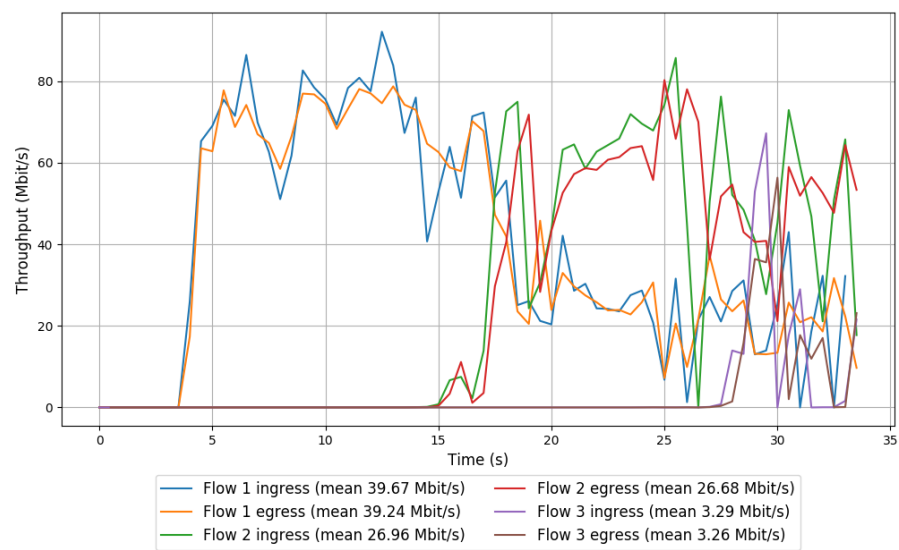
-- Flow 3:

Average throughput: 3.26 Mbit/s

95th percentile per-packet one-way delay: 718.773 ms

Loss rate: 0.05%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Tue, 04 Jul 2017 19:45:38 +0000

End at: Tue, 04 Jul 2017 19:46:08 +0000

Local clock offset: 0.521 ms

Remote clock offset: -23.841 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 67.58 Mbit/s

95th percentile per-packet one-way delay: 613.913 ms

Loss rate: 0.27%

-- Flow 1:

Average throughput: 43.61 Mbit/s

95th percentile per-packet one-way delay: 625.821 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 16.83 Mbit/s

95th percentile per-packet one-way delay: 513.130 ms

Loss rate: 0.59%

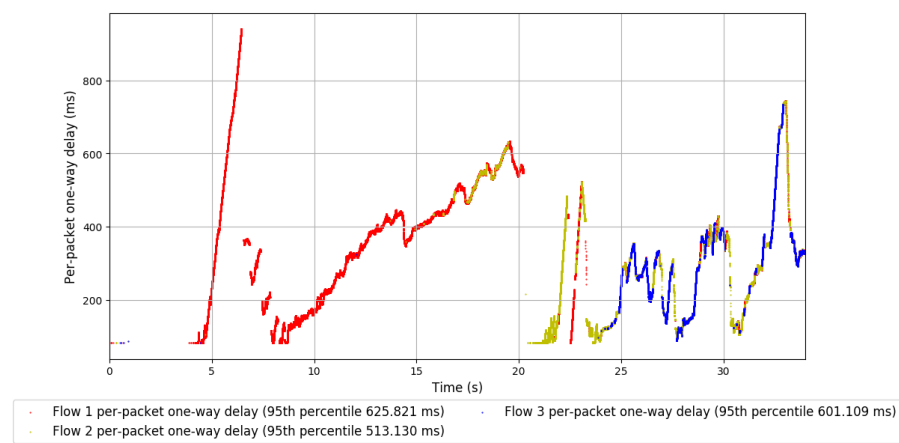
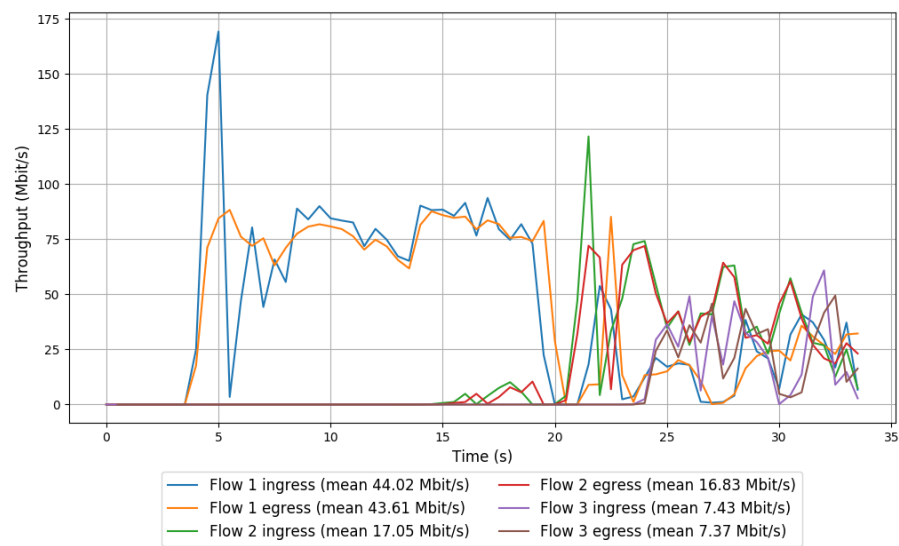
-- Flow 3:

Average throughput: 7.37 Mbit/s

95th percentile per-packet one-way delay: 601.109 ms

Loss rate: 0.06%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:04:10 +0000

End at: Tue, 04 Jul 2017 20:04:40 +0000

Local clock offset: 0.428 ms

Remote clock offset: -20.694 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:23 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 70.08 Mbit/s

95th percentile per-packet one-way delay: 677.992 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 41.73 Mbit/s

95th percentile per-packet one-way delay: 659.972 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 28.54 Mbit/s

95th percentile per-packet one-way delay: 687.963 ms

Loss rate: 0.04%

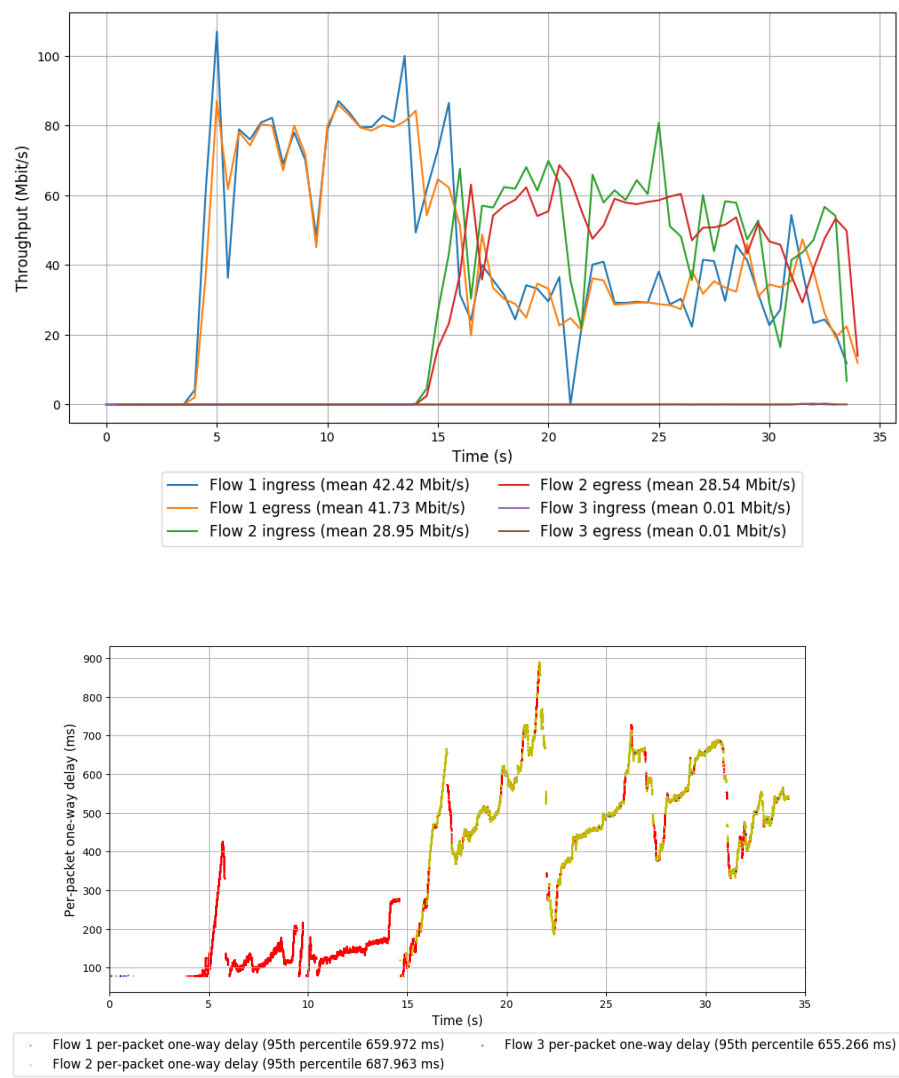
-- Flow 3:

Average throughput: 0.01 Mbit/s

95th percentile per-packet one-way delay: 655.266 ms

Loss rate: 0.00%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:22:49 +0000

End at: Tue, 04 Jul 2017 20:23:19 +0000

Local clock offset: 0.53 ms

Remote clock offset: -21.026 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:25 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 62.46 Mbit/s

95th percentile per-packet one-way delay: 648.349 ms

Loss rate: 1.32%

-- Flow 1:

Average throughput: 42.54 Mbit/s

95th percentile per-packet one-way delay: 567.192 ms

Loss rate: 1.44%

-- Flow 2:

Average throughput: 14.35 Mbit/s

95th percentile per-packet one-way delay: 743.654 ms

Loss rate: 0.67%

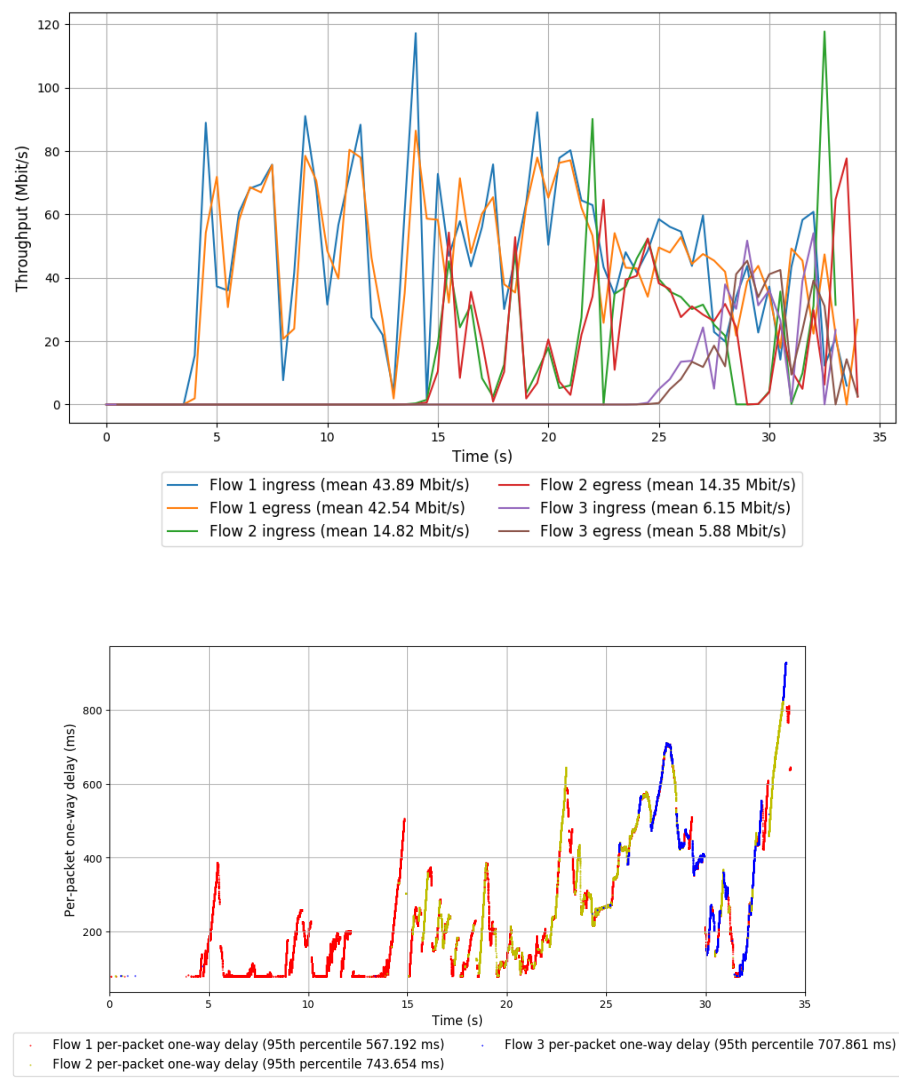
-- Flow 3:

Average throughput: 5.88 Mbit/s

95th percentile per-packet one-way delay: 707.861 ms

Loss rate: 1.98%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:41:14 +0000

End at: Tue, 04 Jul 2017 20:41:44 +0000

Local clock offset: 0.505 ms

Remote clock offset: -20.916 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 65.71 Mbit/s

95th percentile per-packet one-way delay: 672.828 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 57.92 Mbit/s

95th percentile per-packet one-way delay: 670.321 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 681.073 ms

Loss rate: 1.61%

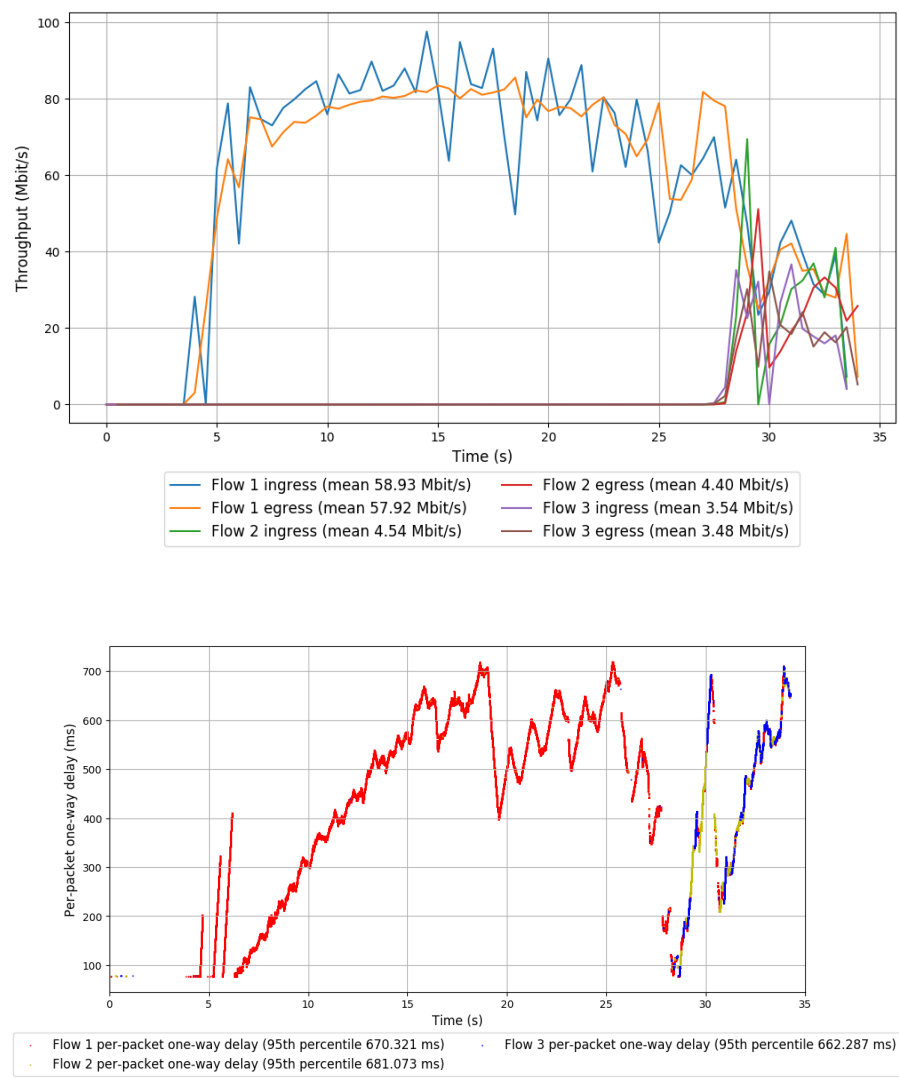
-- Flow 3:

Average throughput: 3.48 Mbit/s

95th percentile per-packet one-way delay: 662.287 ms

Loss rate: 0.00%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Tue, 04 Jul 2017 20:59:42 +0000

End at: Tue, 04 Jul 2017 21:00:12 +0000

Local clock offset: 0.465 ms

Remote clock offset: -20.984 ms

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

Datalink statistics

-- Total of 3 flows:

Average throughput: 71.14 Mbit/s

95th percentile per-packet one-way delay: 723.308 ms

Loss rate: 0.38%

-- Flow 1:

Average throughput: 54.40 Mbit/s

95th percentile per-packet one-way delay: 695.351 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 16.38 Mbit/s

95th percentile per-packet one-way delay: 766.302 ms

Loss rate: 0.46%

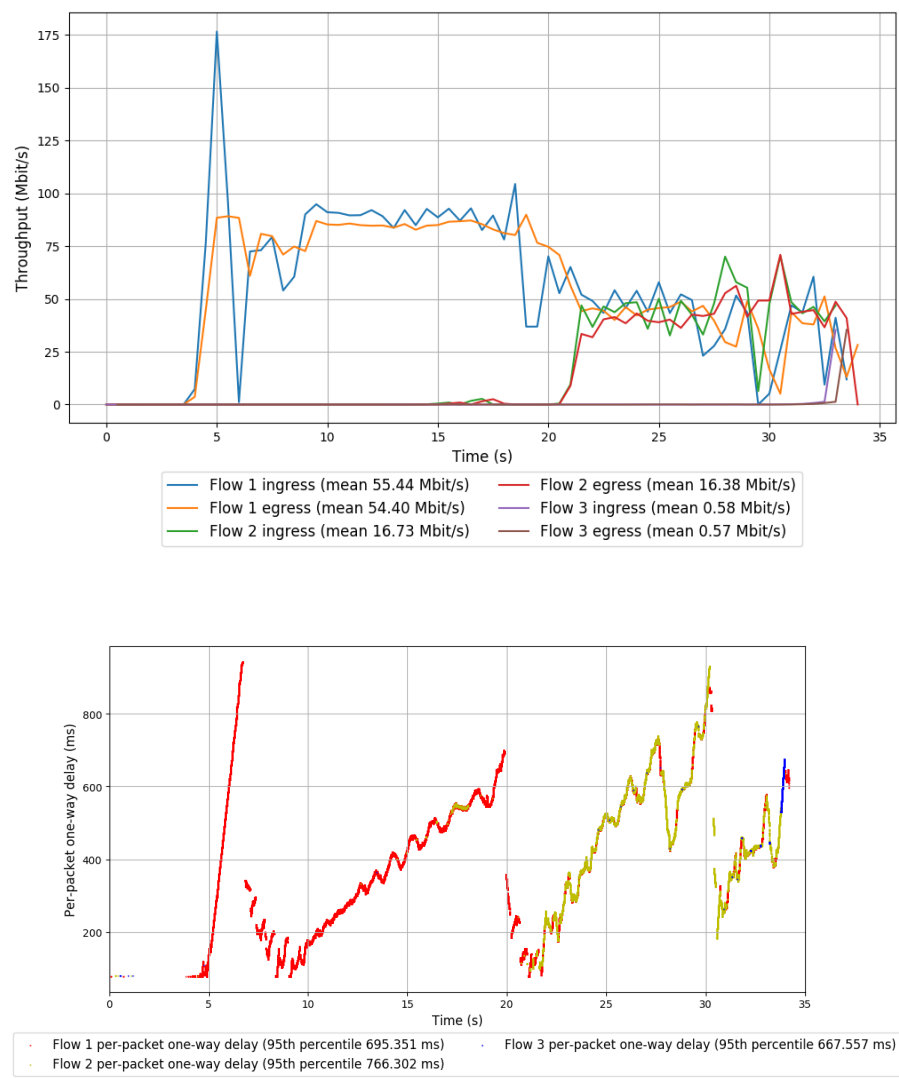
-- Flow 3:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 667.557 ms

Loss rate: 0.06%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Tue, 04 Jul 2017 21:18:17 +0000

End at: Tue, 04 Jul 2017 21:18:47 +0000

Local clock offset: 0.418 ms

Remote clock offset: -21.913 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:41 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 49.24 Mbit/s

95th percentile per-packet one-way delay: 860.121 ms

Loss rate: 8.77%

-- Flow 1:

Average throughput: 37.01 Mbit/s

95th percentile per-packet one-way delay: 883.956 ms

Loss rate: 10.55%

-- Flow 2:

Average throughput: 7.70 Mbit/s

95th percentile per-packet one-way delay: 842.700 ms

Loss rate: 4.02%

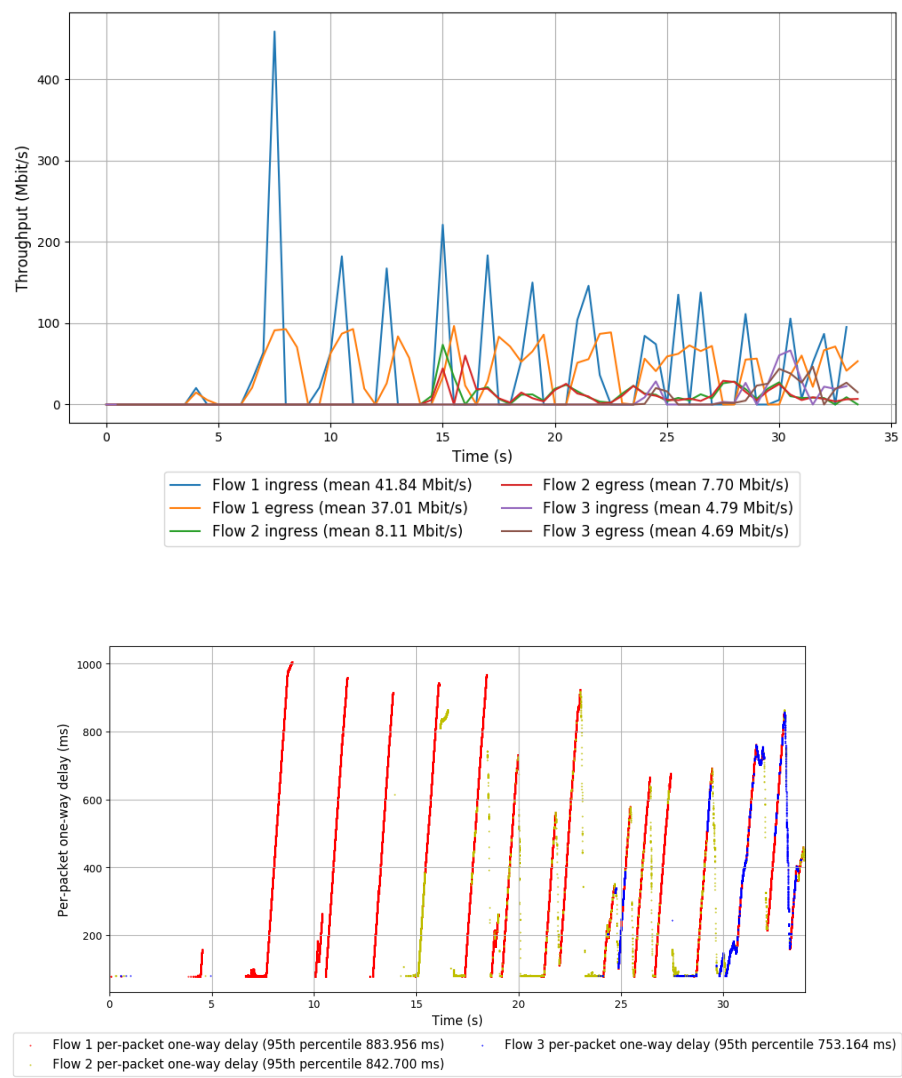
-- Flow 3:

Average throughput: 4.69 Mbit/s

95th percentile per-packet one-way delay: 753.164 ms

Loss rate: 1.05%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Tue, 04 Jul 2017 21:36:45 +0000

End at: Tue, 04 Jul 2017 21:37:15 +0000

Local clock offset: 0.363 ms

Remote clock offset: -23.199 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 69.60 Mbit/s

95th percentile per-packet one-way delay: 701.171 ms

Loss rate: 0.67%

-- Flow 1:

Average throughput: 53.72 Mbit/s

95th percentile per-packet one-way delay: 662.123 ms

Loss rate: 0.66%

-- Flow 2:

Average throughput: 11.63 Mbit/s

95th percentile per-packet one-way delay: 771.772 ms

Loss rate: 0.63%

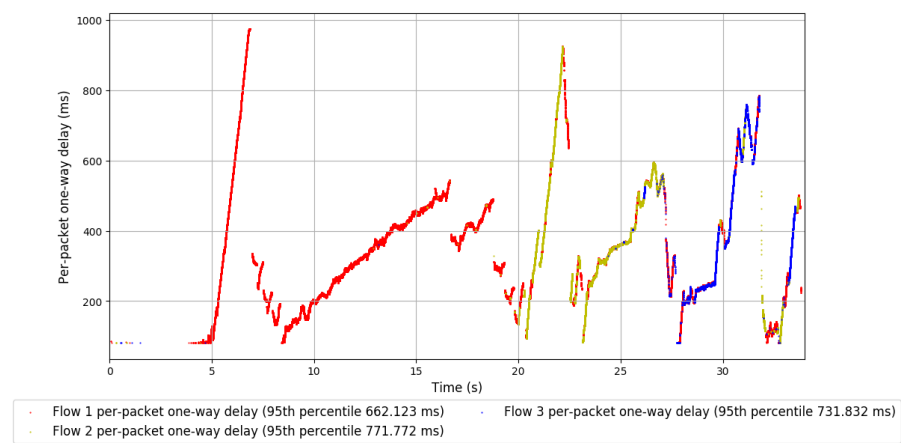
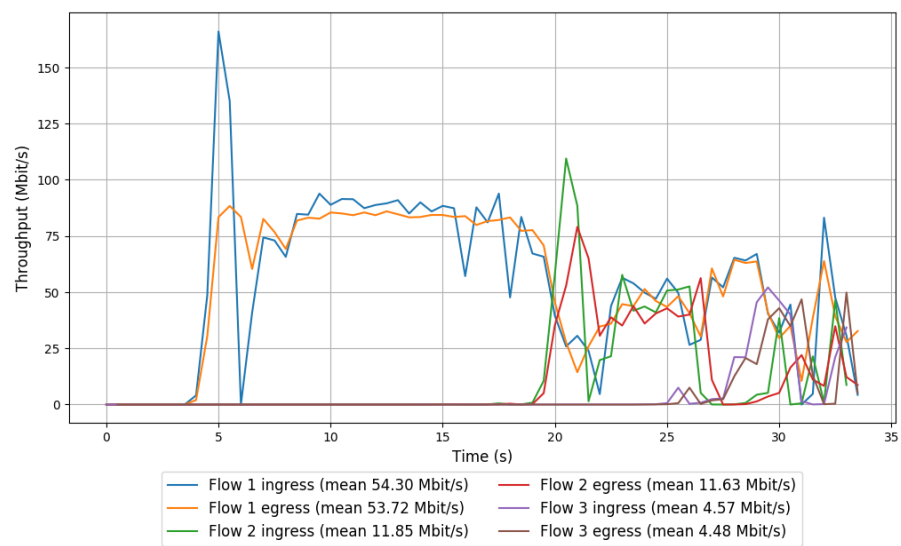
-- Flow 3:

Average throughput: 4.48 Mbit/s

95th percentile per-packet one-way delay: 731.832 ms

Loss rate: 0.88%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 18:48:28 +0000

End at: Tue, 04 Jul 2017 18:48:58 +0000

Local clock offset: 0.222 ms

Remote clock offset: -26.24 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.72 Mbit/s

95th percentile per-packet one-way delay: 84.488 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 83.124 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 83.117 ms

Loss rate: 0.00%

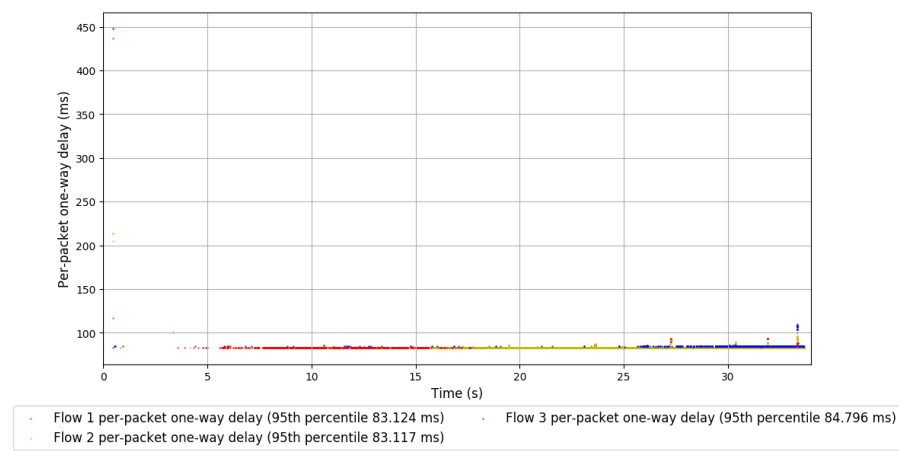
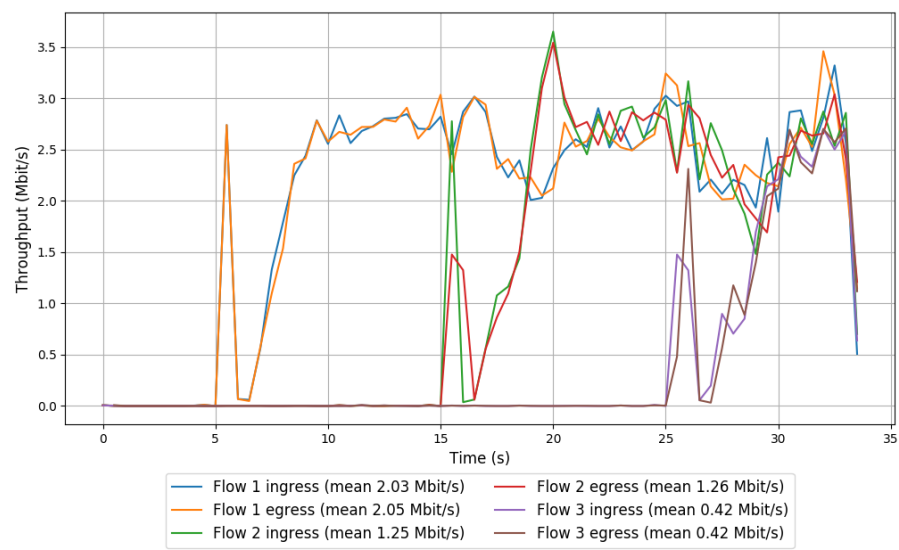
-- Flow 3:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 84.796 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 19:07:16 +0000

End at: Tue, 04 Jul 2017 19:07:46 +0000

Local clock offset: 0.385 ms

Remote clock offset: -26.581 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.56 Mbit/s

95th percentile per-packet one-way delay: 85.063 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 84.515 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.11 Mbit/s

95th percentile per-packet one-way delay: 84.256 ms

Loss rate: 0.00%

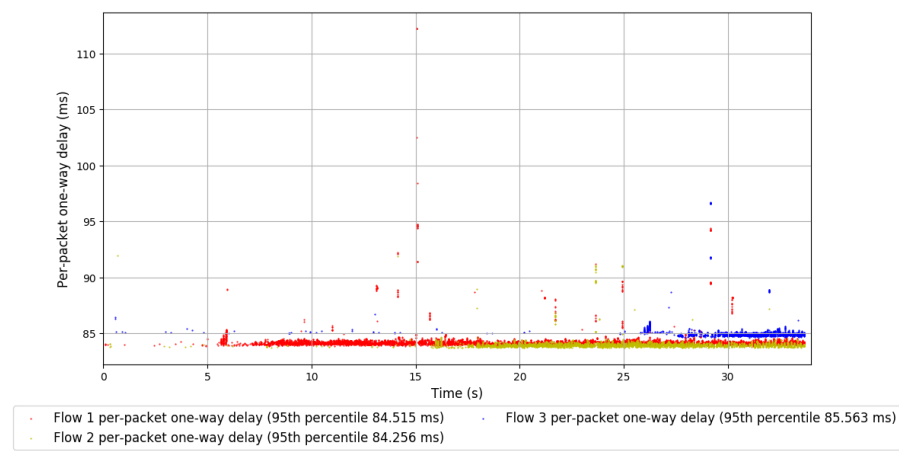
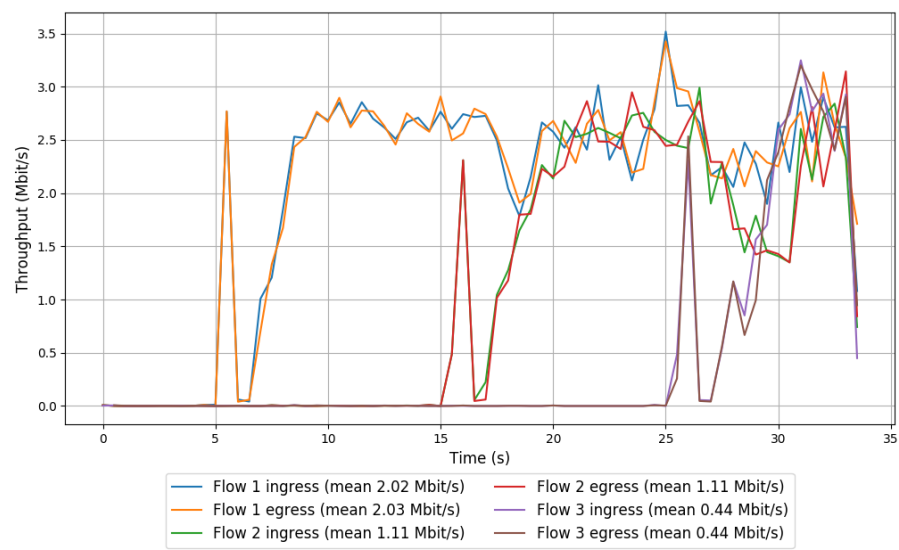
-- Flow 3:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 85.563 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

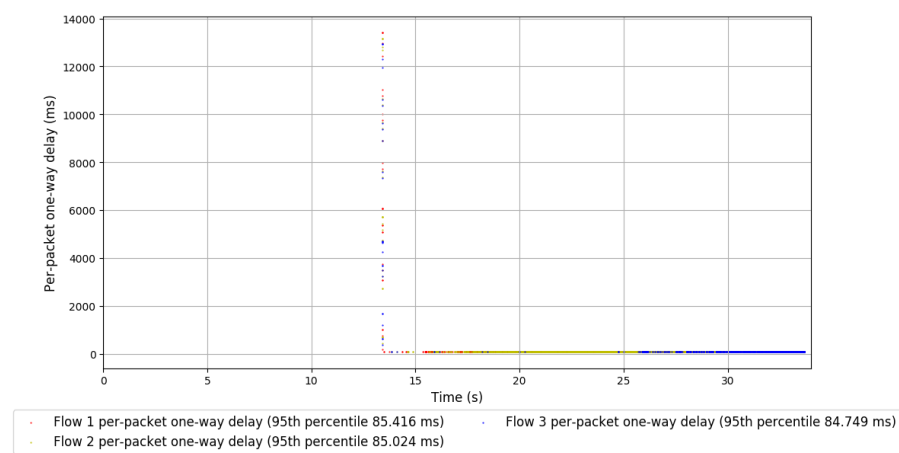
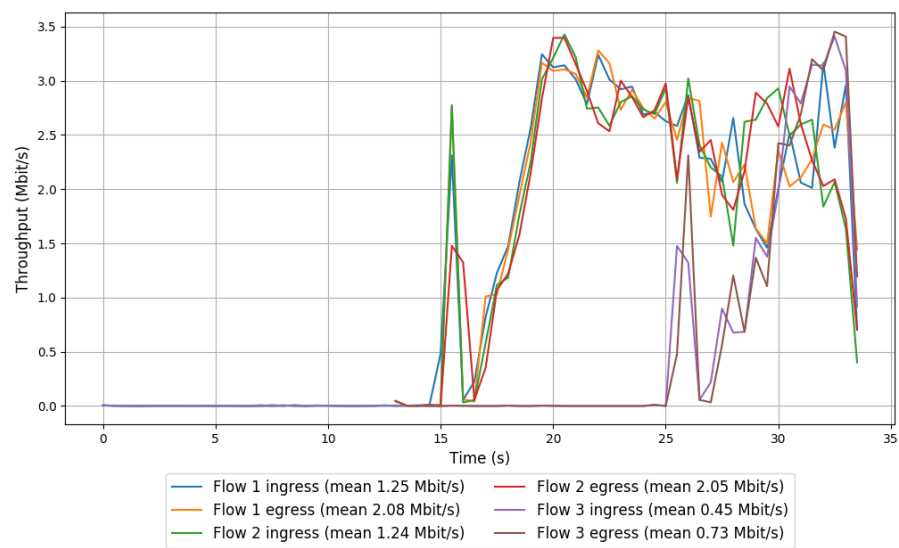
Start at: Tue, 04 Jul 2017 19:25:56 +0000

End at: Tue, 04 Jul 2017 19:26:26 +0000

Local clock offset: 0.394 ms

Remote clock offset: -26.62 ms

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

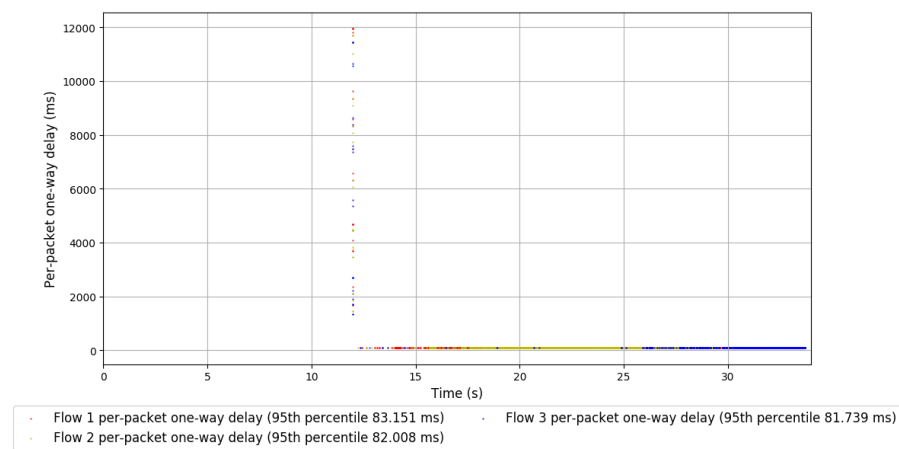
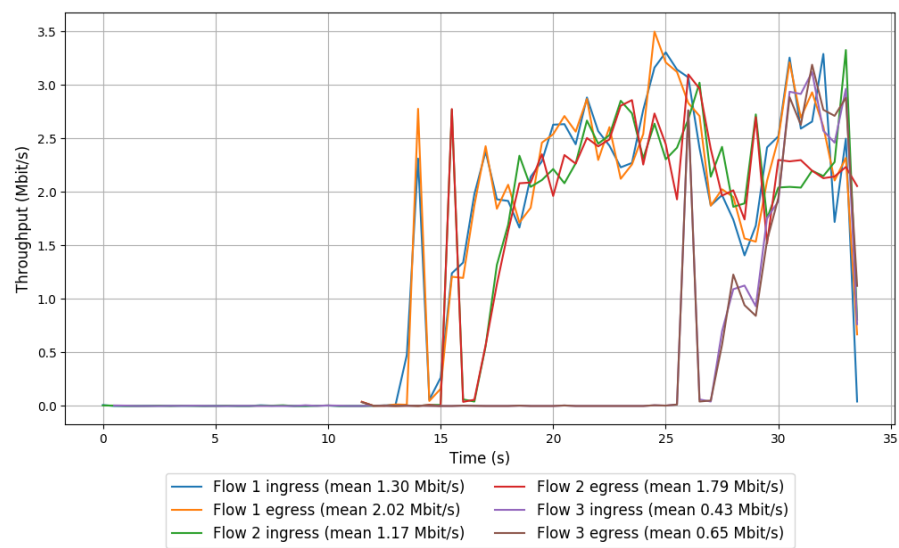
Start at: Tue, 04 Jul 2017 19:44:29 +0000

End at: Tue, 04 Jul 2017 19:44:59 +0000

Local clock offset: 0.487 ms

Remote clock offset: -23.971 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

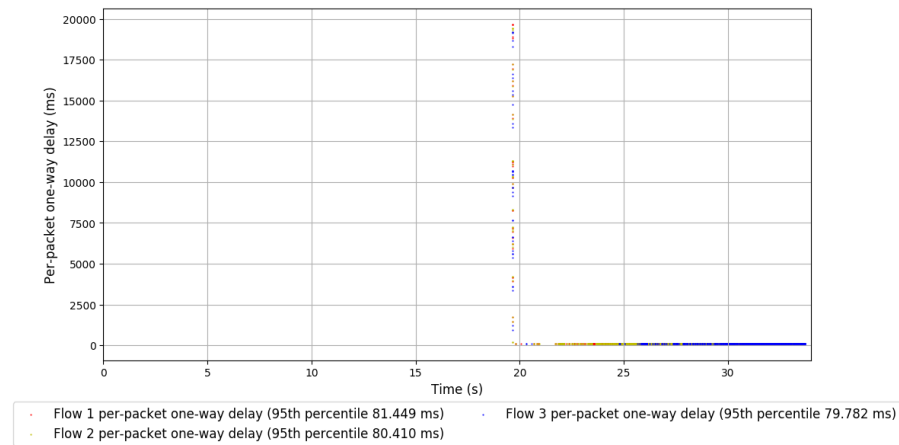
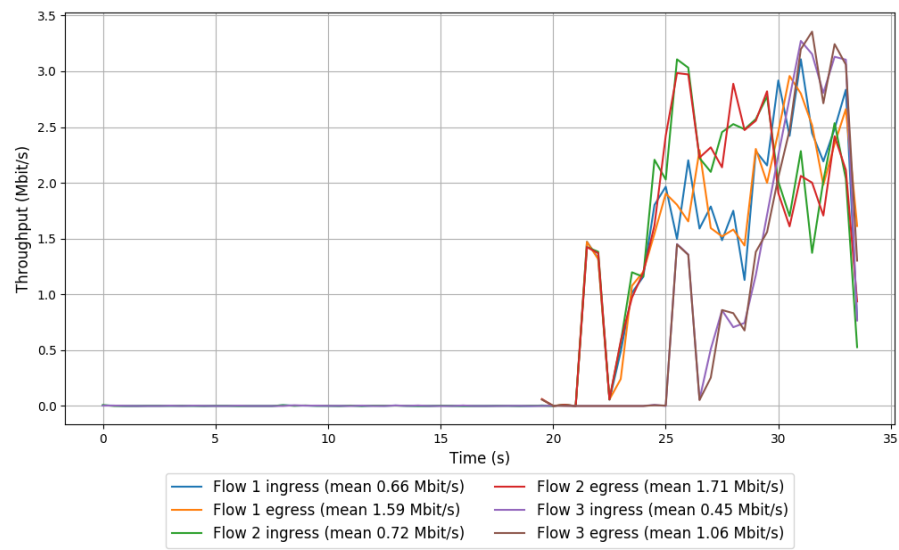
Start at: Tue, 04 Jul 2017 20:03:02 +0000

End at: Tue, 04 Jul 2017 20:03:32 +0000

Local clock offset: 0.526 ms

Remote clock offset: -21.01 ms

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

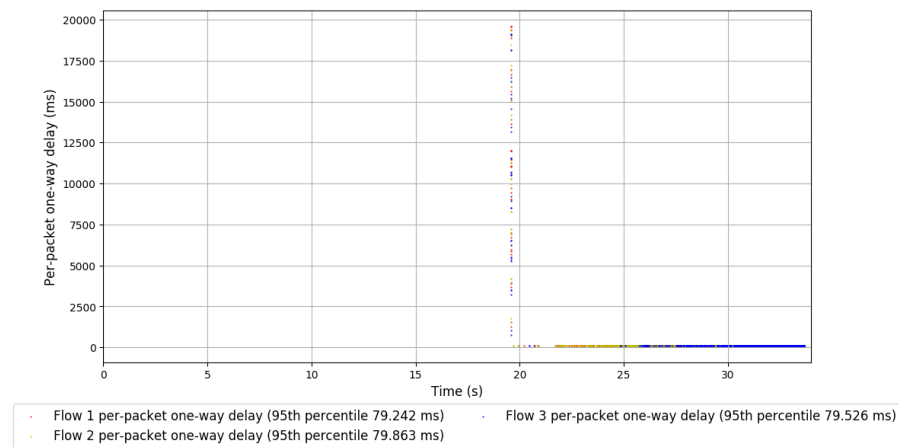
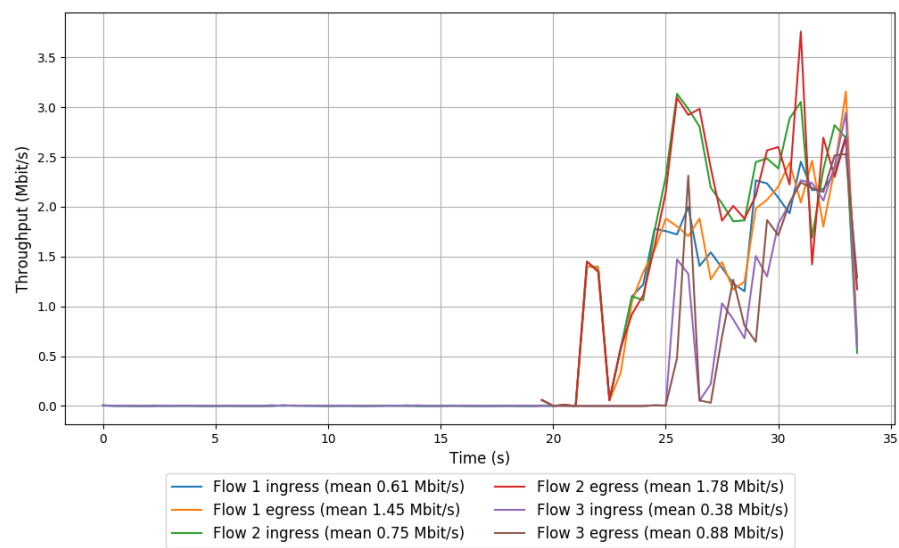
Start at: Tue, 04 Jul 2017 20:21:40 +0000

End at: Tue, 04 Jul 2017 20:22:10 +0000

Local clock offset: 0.463 ms

Remote clock offset: -20.92 ms

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

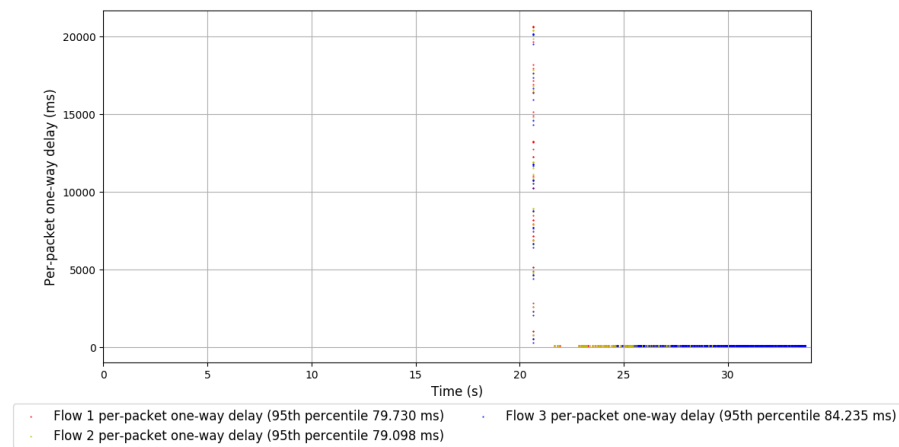
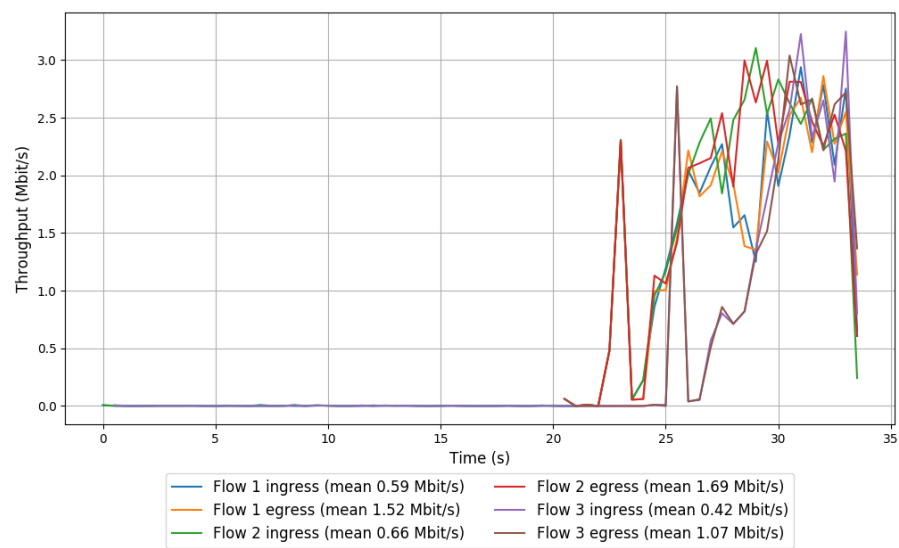
Start at: Tue, 04 Jul 2017 20:40:05 +0000

End at: Tue, 04 Jul 2017 20:40:35 +0000

Local clock offset: 0.529 ms

Remote clock offset: -20.879 ms

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 20:58:33 +0000

End at: Tue, 04 Jul 2017 20:59:03 +0000

Local clock offset: 0.469 ms

Remote clock offset: -20.553 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:54 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 79.231 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 78.044 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 79.449 ms

Loss rate: 0.00%

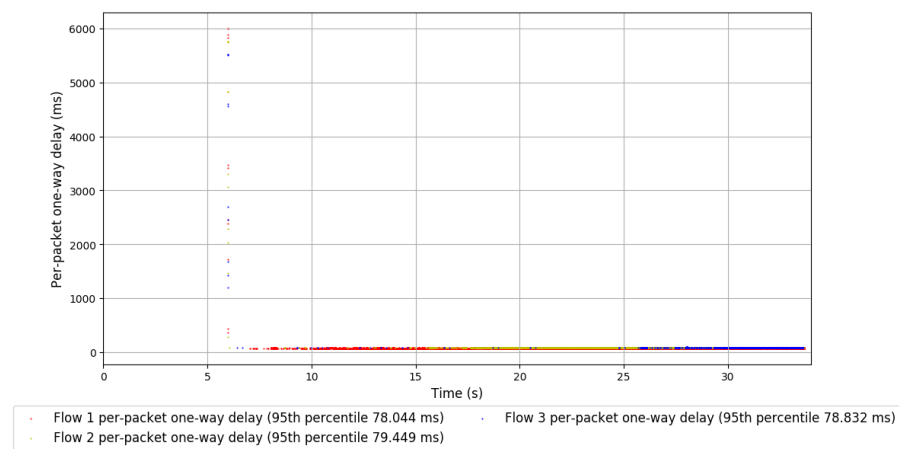
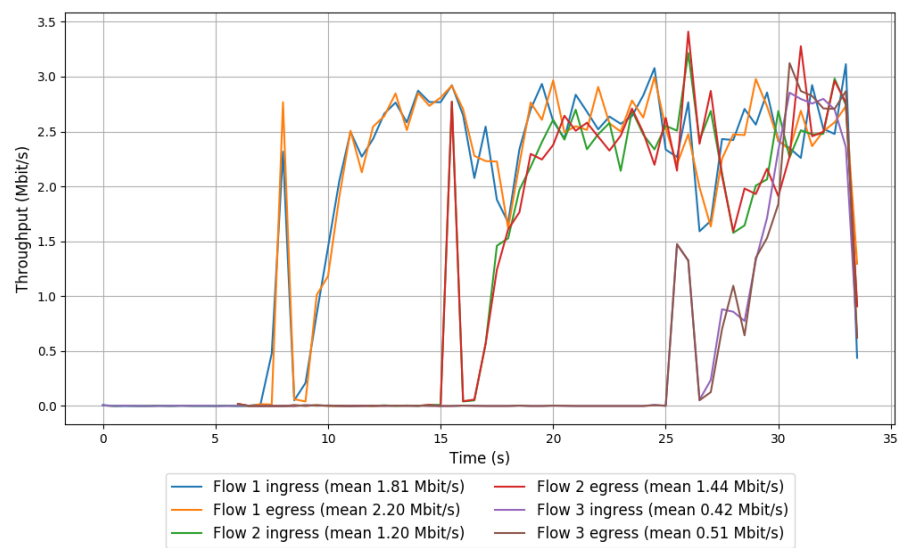
-- Flow 3:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 78.832 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

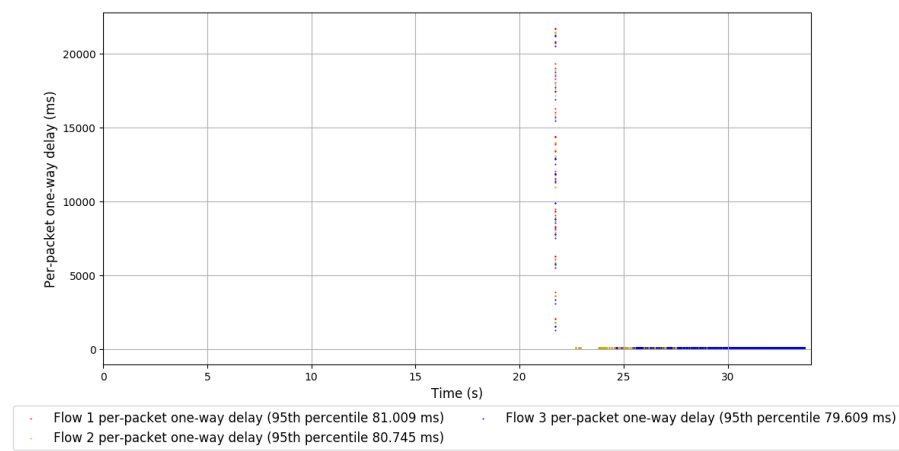
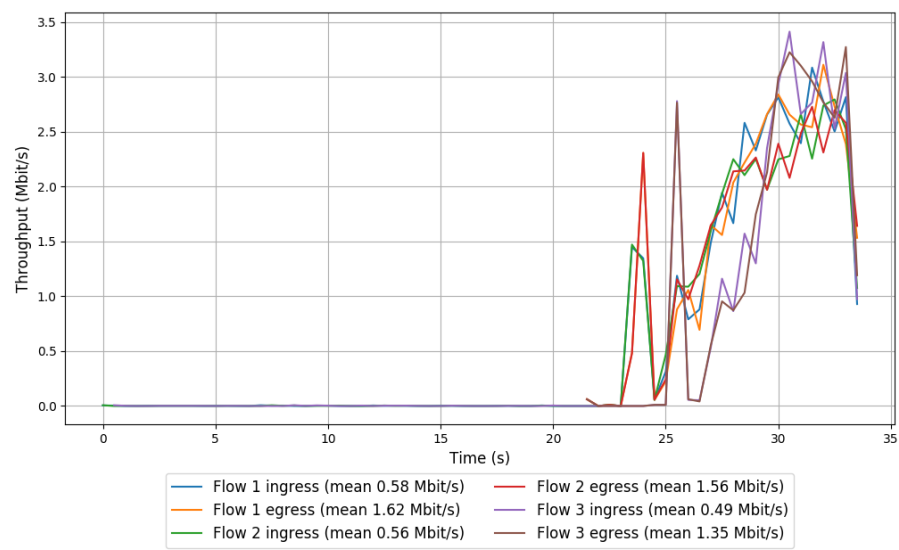
Start at: Tue, 04 Jul 2017 21:17:08 +0000

End at: Tue, 04 Jul 2017 21:17:38 +0000

Local clock offset: 0.417 ms

Remote clock offset: -22.23 ms

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 21:35:36 +0000

End at: Tue, 04 Jul 2017 21:36:06 +0000

Local clock offset: 0.31 ms

Remote clock offset: -23.229 ms

Below is generated by plot.py at Wed, 05 Jul 2017 01:33:55 +0000

Datalink statistics

-- Total of 3 flows:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 81.900 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 80.531 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 80.908 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.46 Mbit/s

95th percentile per-packet one-way delay: 82.112 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

