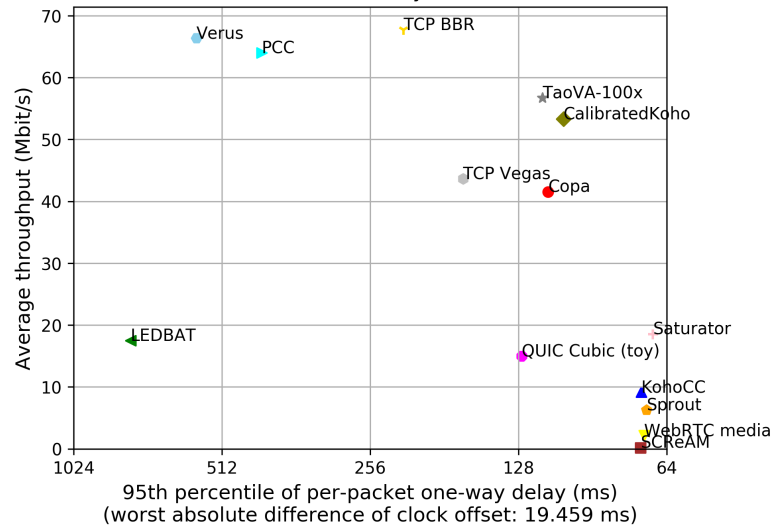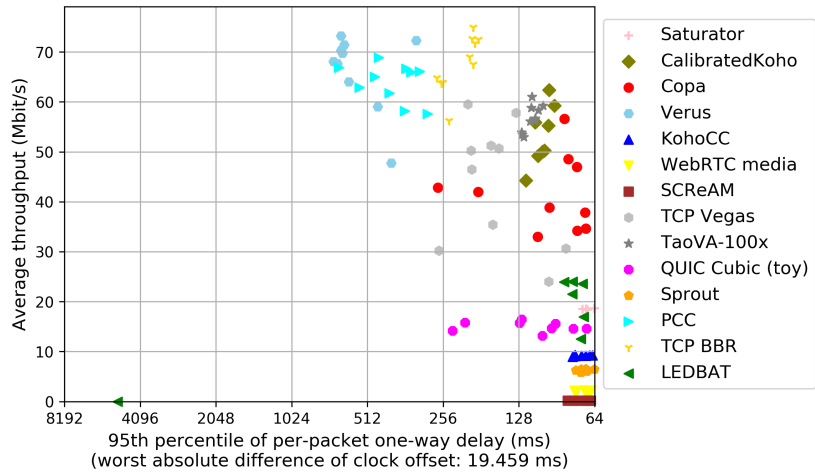**Pantheon Summary** (Generated at Fri, 23 Jun 2017 23:43:16 +0000 with pantheon version `f1f579919e2382b18c1fb18b676e821e7efc0b62`)

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

NTP offset measured against gps.ntp.br.

```
git branch: master @ f1f579919e2382b18c1fb18b676e821e7efc0b62
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 @ 4893799ab83a43fa2d3236507d168f461e1243ed
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
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
```
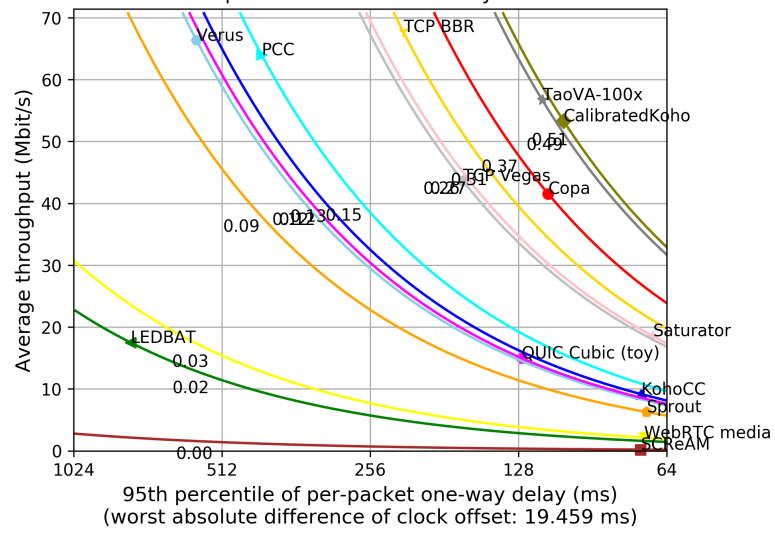
1

test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme
mean of all runs by scheme

test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme

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

3

```
Run 1: Statistics of TCP BBR

Start at: Fri, 23 Jun 2017 17:34:18 +0000
End at: Fri, 23 Jun 2017 17:34:48 +0000
Local clock offset: -3.831 ms
Remote clock offset: -14.113 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:35:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.98 Mbit/s
95th percentile per-packet one-way delay: 200.975 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 68.98 Mbit/s
95th percentile per-packet one-way delay: 200.975 ms
Loss rate: 0.03%
```
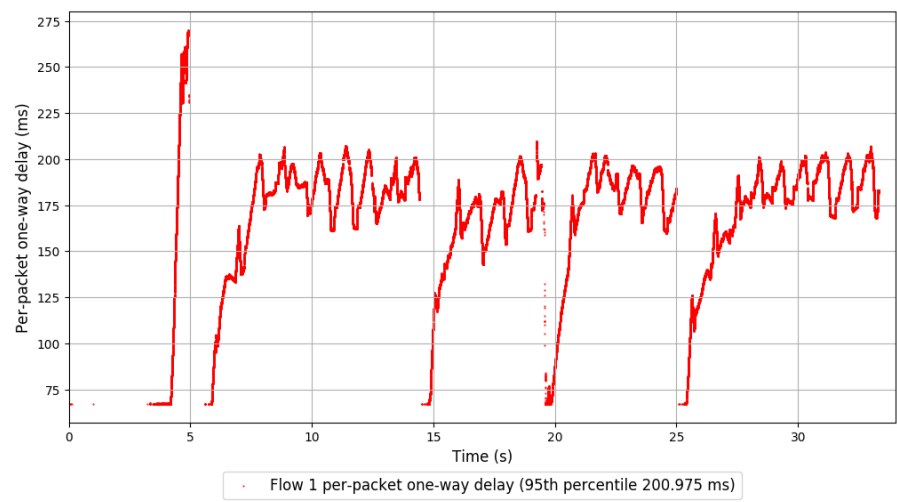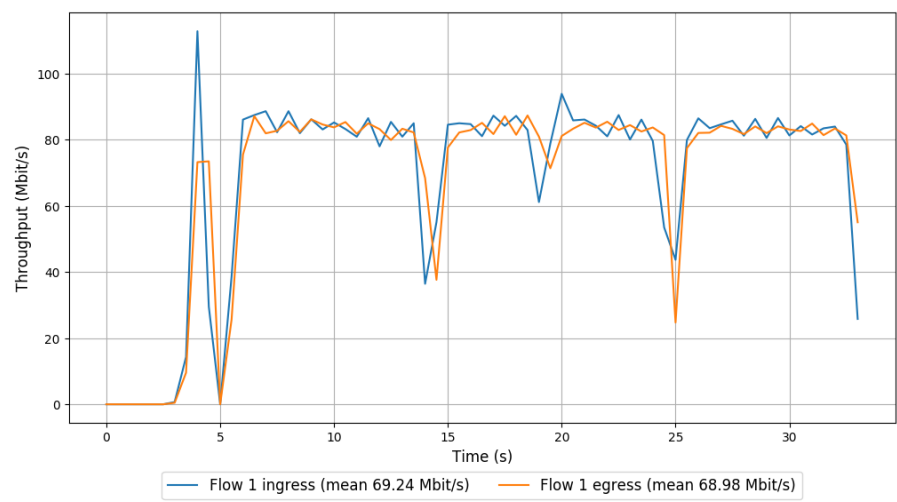
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: Fri, 23 Jun 2017 17:51:39 +0000
End at: Fri, 23 Jun 2017 17:52:09 +0000
Local clock offset: -4.44 ms
Remote clock offset: -16.673 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:35:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 259.782 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 259.782 ms
Loss rate: 0.05%
```
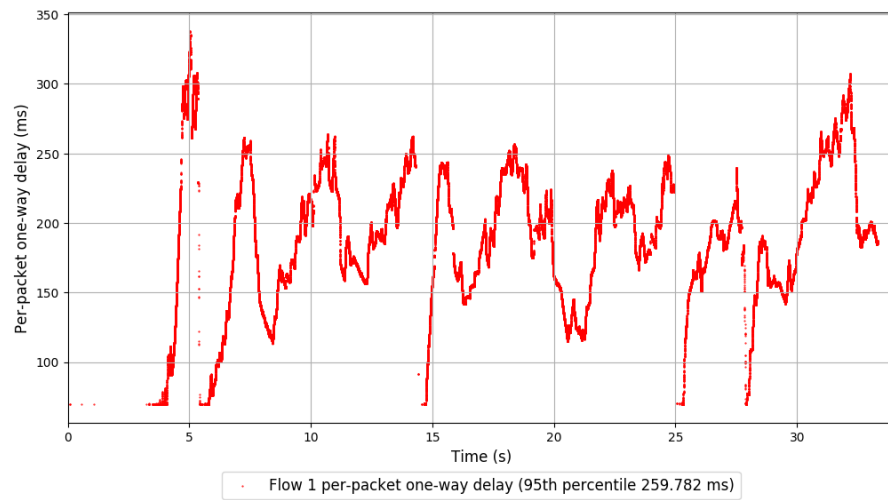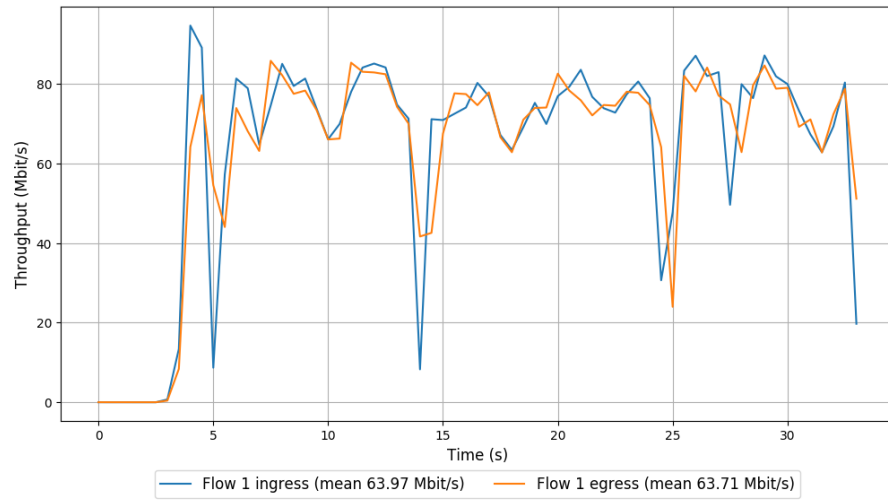
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 63.97 Mbit/s)   Flow 1 egress (mean 63.71 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 259.782 ms)

7

```
Run 3: Statistics of TCP BBR

Start at: Fri, 23 Jun 2017 18:09:08 +0000
End at: Fri, 23 Jun 2017 18:09:38 +0000
Local clock offset: -2.364 ms
Remote clock offset: -17.394 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:35:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.96 Mbit/s
95th percentile per-packet one-way delay: 194.331 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 74.96 Mbit/s
95th percentile per-packet one-way delay: 194.331 ms
Loss rate: 0.02%
```
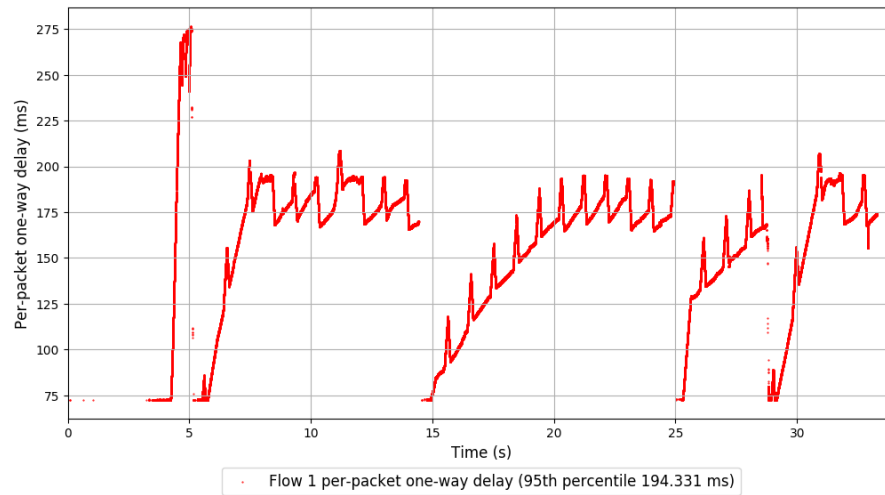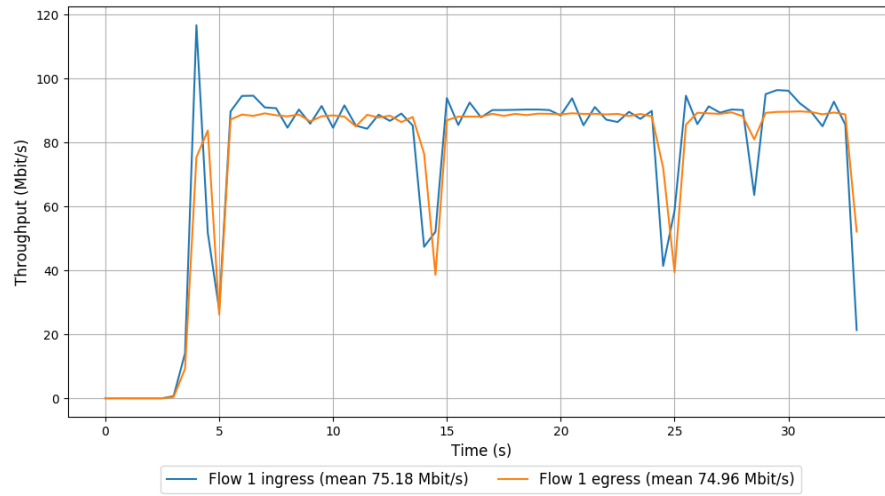
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 75.18 Mbit/s)   Flow 1 egress (mean 74.96 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 194.331 ms)

```
Run 4: Statistics of TCP BBR

Start at: Fri, 23 Jun 2017 18:26:36 +0000
End at: Fri, 23 Jun 2017 18:27:06 +0000
Local clock offset: 3.048 ms
Remote clock offset: -16.411 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:35:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.82 Mbit/s
95th percentile per-packet one-way delay: 271.360 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 64.82 Mbit/s
95th percentile per-packet one-way delay: 271.360 ms
Loss rate: 0.06%
```
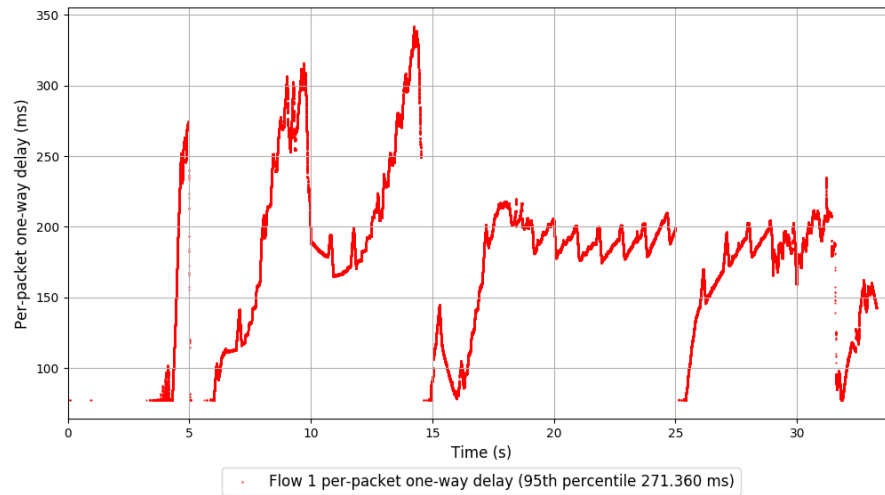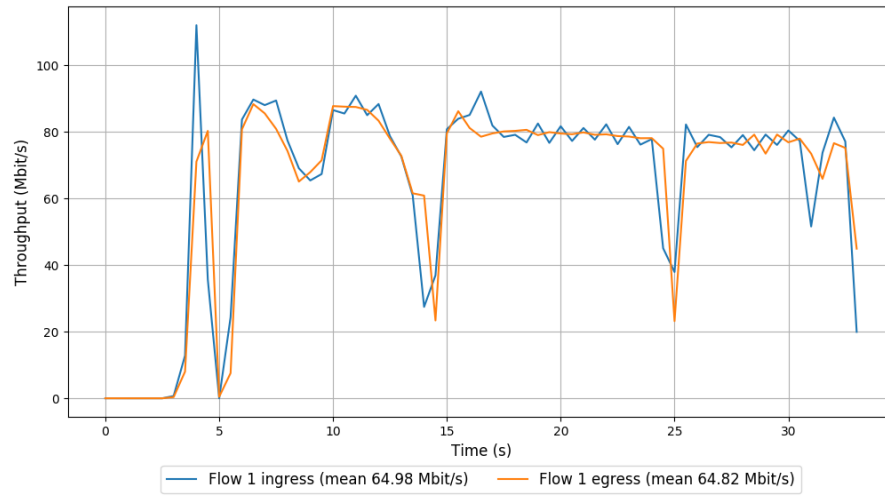
Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: Fri, 23 Jun 2017 18:44:09 +0000
End at: Fri, 23 Jun 2017 18:44:39 +0000
Local clock offset: 1.581 ms
Remote clock offset: -13.94 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.63 Mbit/s
95th percentile per-packet one-way delay: 196.208 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 72.63 Mbit/s
95th percentile per-packet one-way delay: 196.208 ms
Loss rate: 0.05%
```
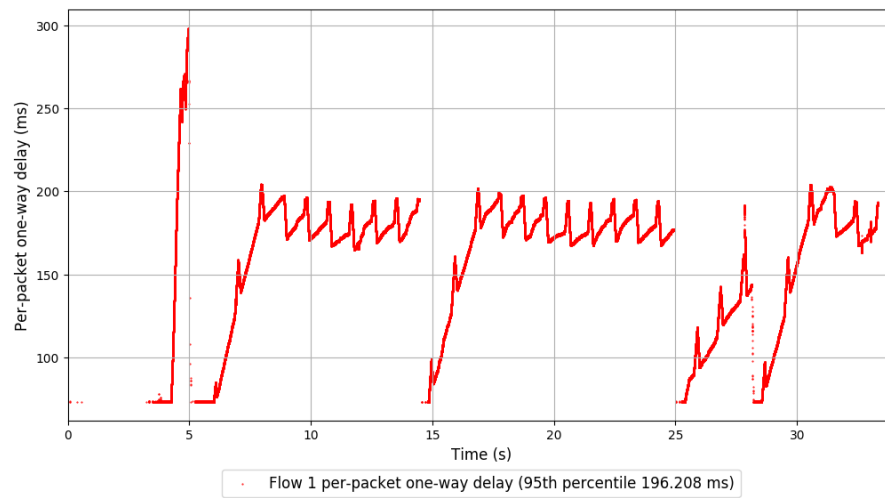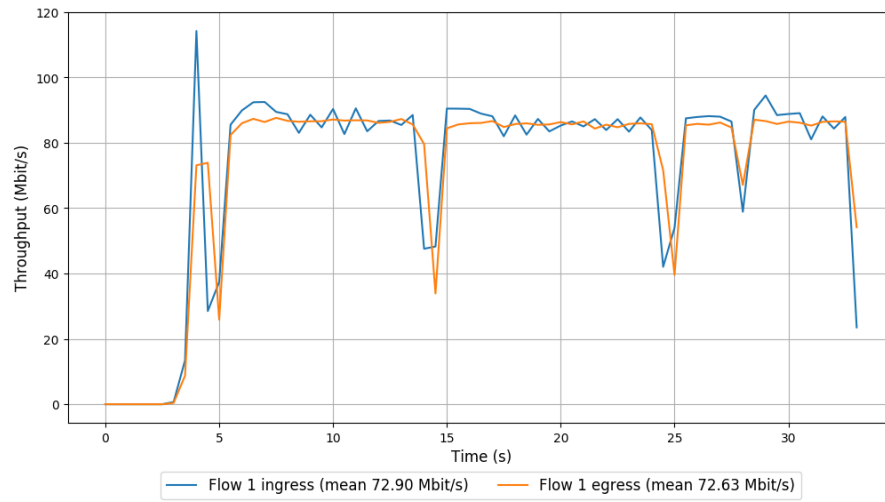
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 72.90 Mbit/s) — Flow 1 egress (mean 72.63 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 196.208 ms)

13

```
Run 6: Statistics of TCP BBR

Start at: Fri, 23 Jun 2017 19:01:31 +0000
End at: Fri, 23 Jun 2017 19:02:01 +0000
Local clock offset: -0.499 ms
Remote clock offset: -13.387 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.23 Mbit/s
95th percentile per-packet one-way delay: 242.477 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 56.23 Mbit/s
95th percentile per-packet one-way delay: 242.477 ms
Loss rate: 0.09%
```
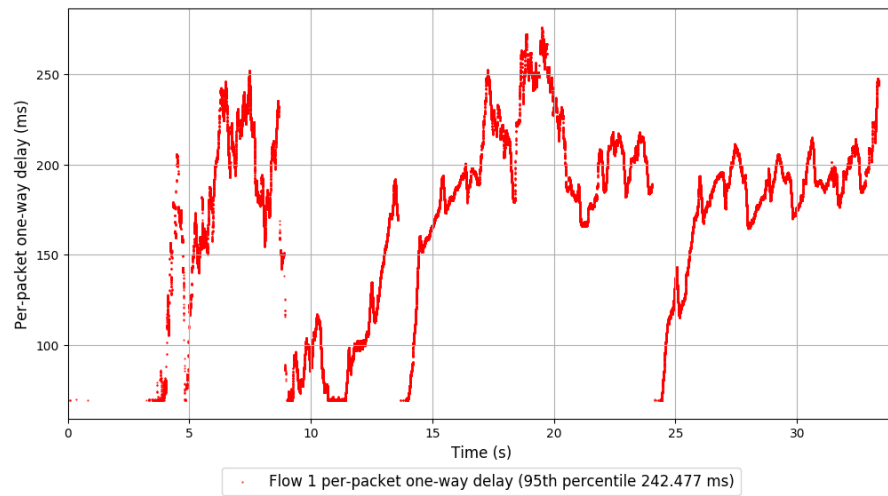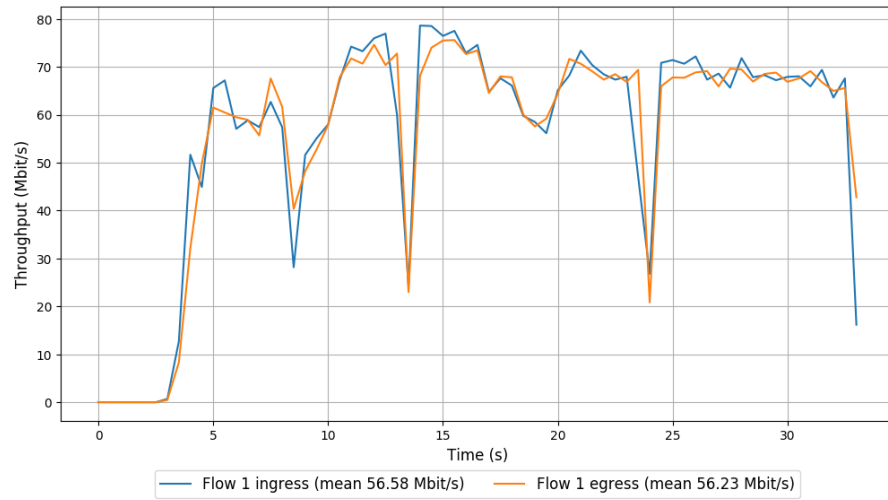
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 56.58 Mbit/s)   Flow 1 egress (mean 56.23 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 242.477 ms)

```
Run 7: Statistics of TCP BBR

Start at: Fri, 23 Jun 2017 19:19:02 +0000
End at: Fri, 23 Jun 2017 19:19:32 +0000
Local clock offset: -0.362 ms
Remote clock offset: -9.545 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.74 Mbit/s
95th percentile per-packet one-way delay: 191.648 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 71.74 Mbit/s
95th percentile per-packet one-way delay: 191.648 ms
Loss rate: 0.32%
```
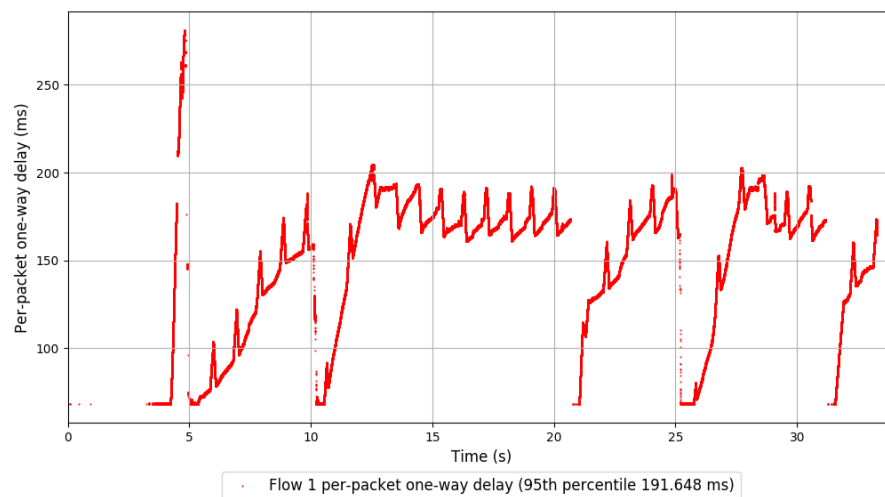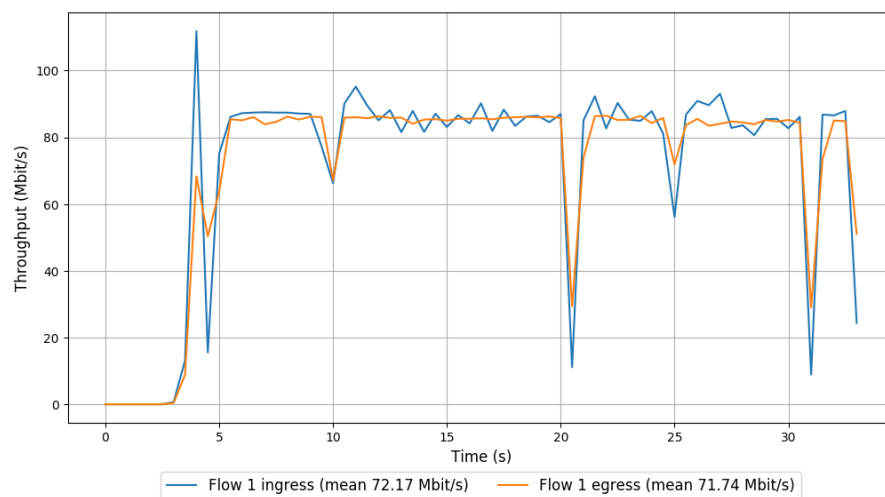
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 72.17 Mbit/s)   Flow 1 egress (mean 71.74 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 191.648 ms)

```
Run 8: Statistics of TCP BBR

Start at: Fri, 23 Jun 2017 19:36:44 +0000
End at: Fri, 23 Jun 2017 19:37:14 +0000
Local clock offset: 0.394 ms
Remote clock offset: -10.125 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.50 Mbit/s
95th percentile per-packet one-way delay: 194.475 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 67.50 Mbit/s
95th percentile per-packet one-way delay: 194.475 ms
Loss rate: 0.07%
```
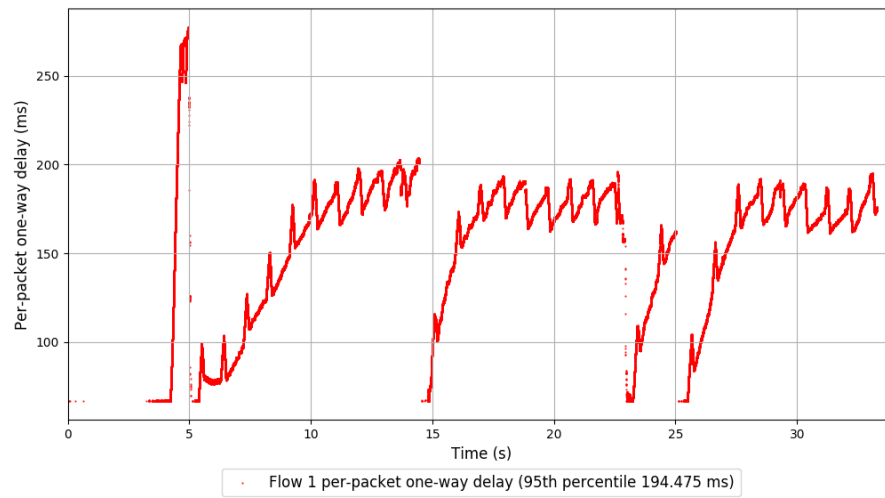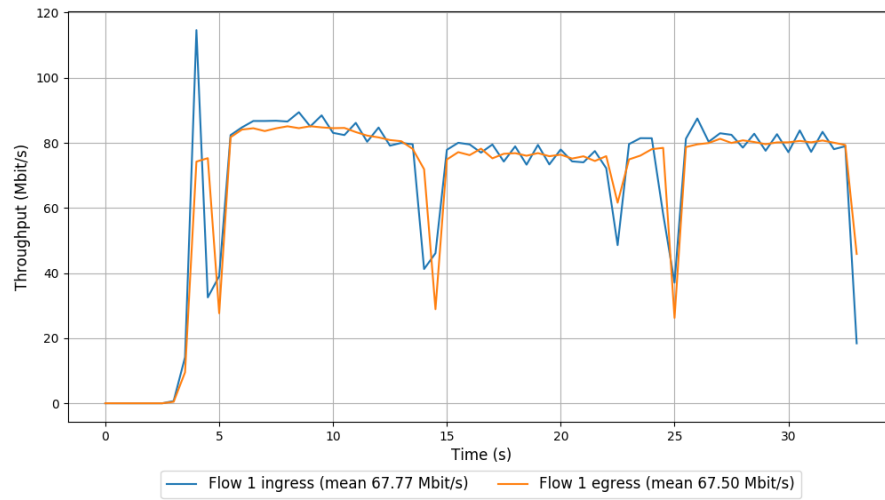
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 67.77 Mbit/s) —— Flow 1 egress (mean 67.50 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 194.475 ms)

19

```
Run 9: Statistics of TCP BBR

Start at: Fri, 23 Jun 2017 19:53:55 +0000
End at: Fri, 23 Jun 2017 19:54:25 +0000
Local clock offset: -1.163 ms
Remote clock offset: -10.779 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.90 Mbit/s
95th percentile per-packet one-way delay: 256.523 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 63.90 Mbit/s
95th percentile per-packet one-way delay: 256.523 ms
Loss rate: 0.07%
```
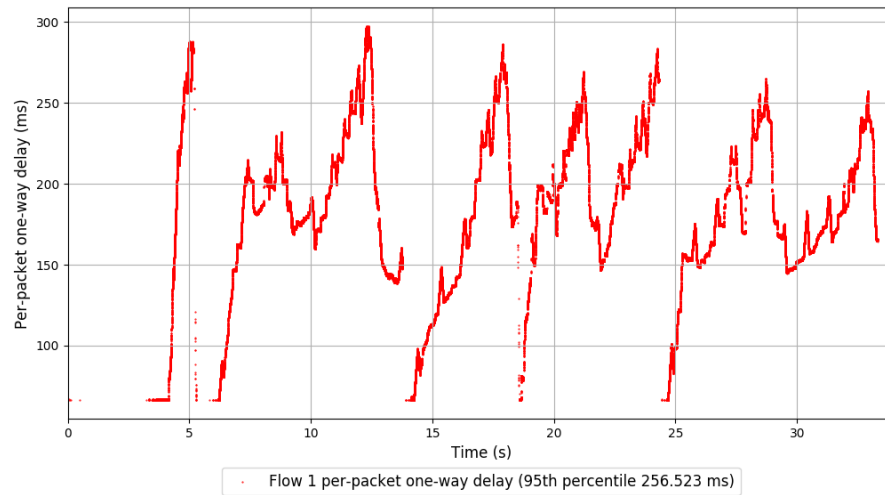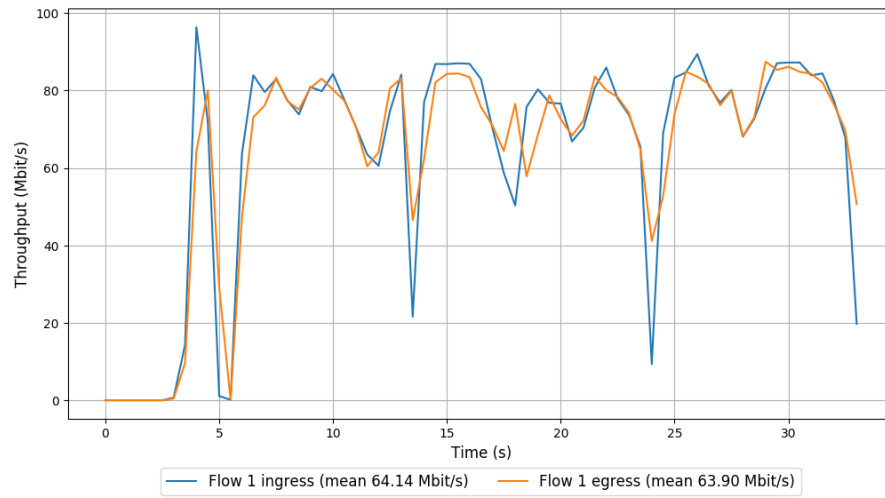
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 64.14 Mbit/s) — Flow 1 egress (mean 63.90 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 256.523 ms)

```
Run 10: Statistics of TCP BBR

Start at: Fri, 23 Jun 2017 20:11:25 +0000
End at: Fri, 23 Jun 2017 20:11:55 +0000
Local clock offset: -2.786 ms
Remote clock offset: -8.39 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.50 Mbit/s
95th percentile per-packet one-way delay: 184.987 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 72.50 Mbit/s
95th percentile per-packet one-way delay: 184.987 ms
Loss rate: 0.04%
```
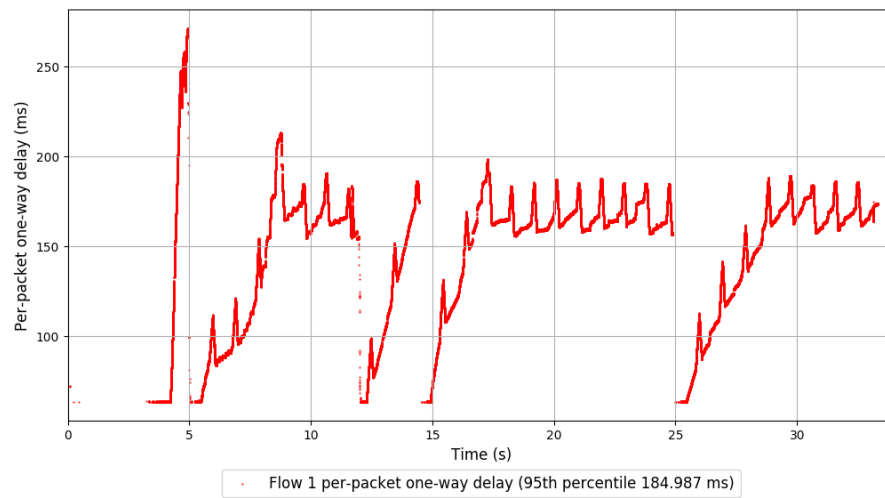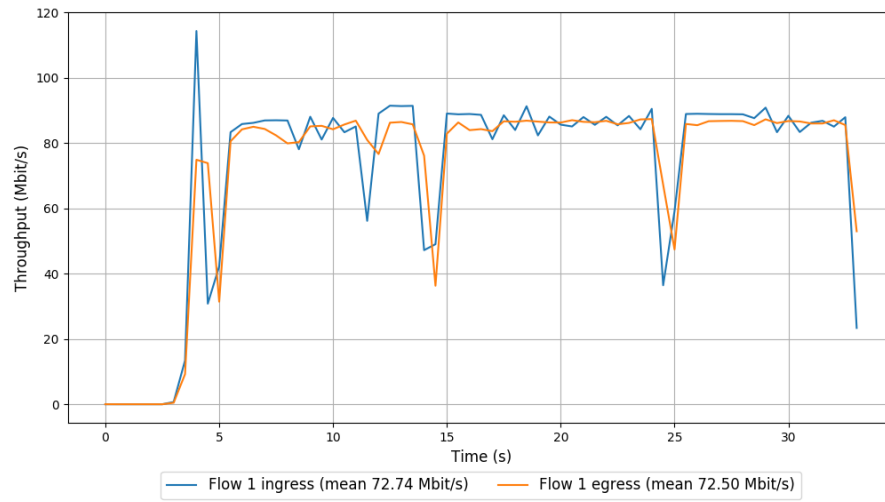
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 72.74 Mbit/s) — Flow 1 egress (mean 72.50 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 184.987 ms)

```
Run 1: Statistics of CalibratedKoho

Start at: Fri, 23 Jun 2017 17:30:42 +0000
End at: Fri, 23 Jun 2017 17:31:12 +0000
Local clock offset: -4.454 ms
Remote clock offset: -14.261 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.25 Mbit/s
95th percentile per-packet one-way delay: 120.047 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 44.25 Mbit/s
95th percentile per-packet one-way delay: 120.047 ms
Loss rate: 0.02%
```
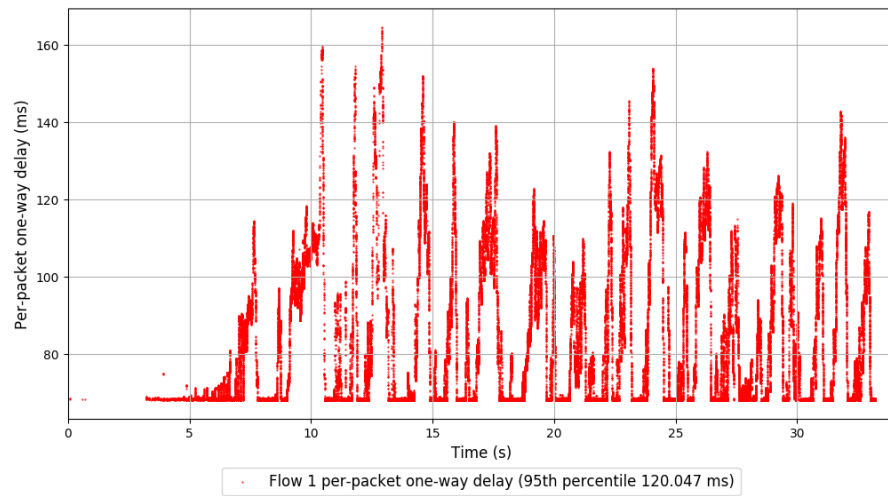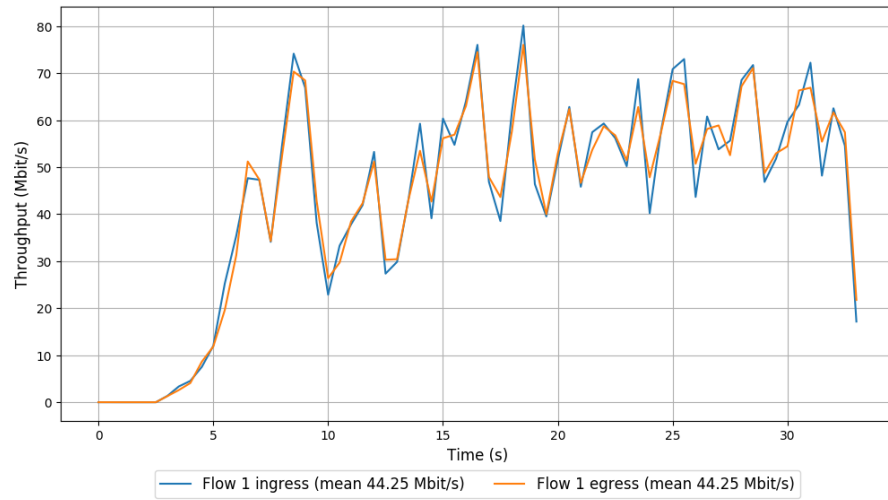
Run 1: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 44.25 Mbit/s)   Flow 1 egress (mean 44.25 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 120.047 ms)

```
Run 2: Statistics of CalibratedKoho

Start at: Fri, 23 Jun 2017 17:48:08 +0000
End at: Fri, 23 Jun 2017 17:48:38 +0000
Local clock offset: -4.348 ms
Remote clock offset: -16.24 ms
```
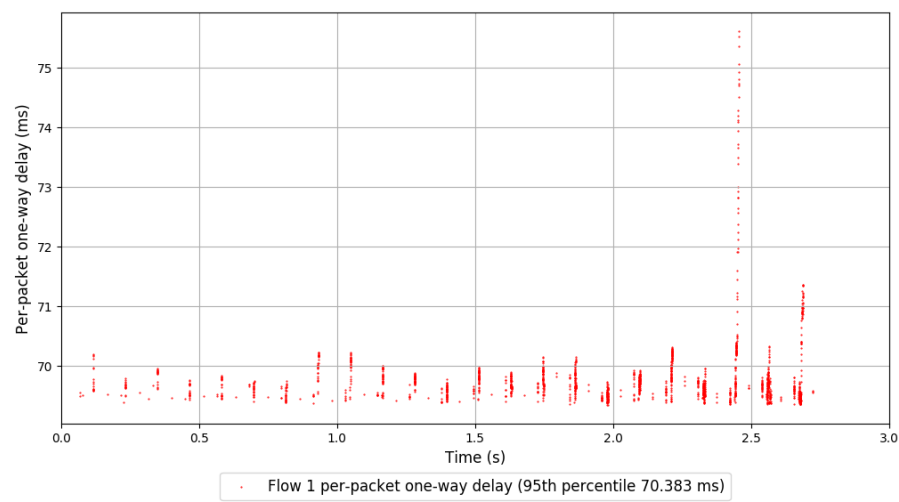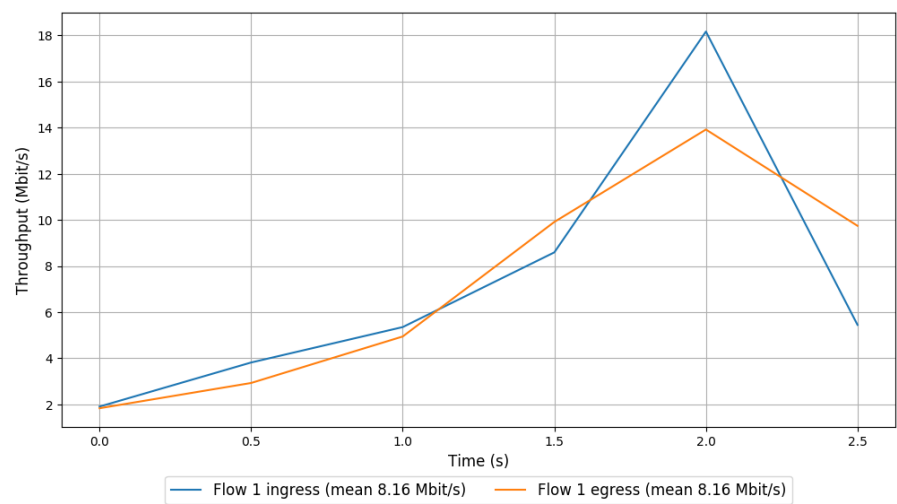
Run 2: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 8.16 Mbit/s)   Flow 1 egress (mean 8.16 Mbit/s)

·   Flow 1 per-packet one-way delay (95th percentile 70.383 ms)

```
Run 3: Statistics of CalibratedKoho

Start at: Fri, 23 Jun 2017 18:05:32 +0000
End at: Fri, 23 Jun 2017 18:06:02 +0000
Local clock offset: -4.915 ms
Remote clock offset: -17.829 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 102.944 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.01 Mbit/s
95th percentile per-packet one-way delay: 102.944 ms
Loss rate: 0.00%
```
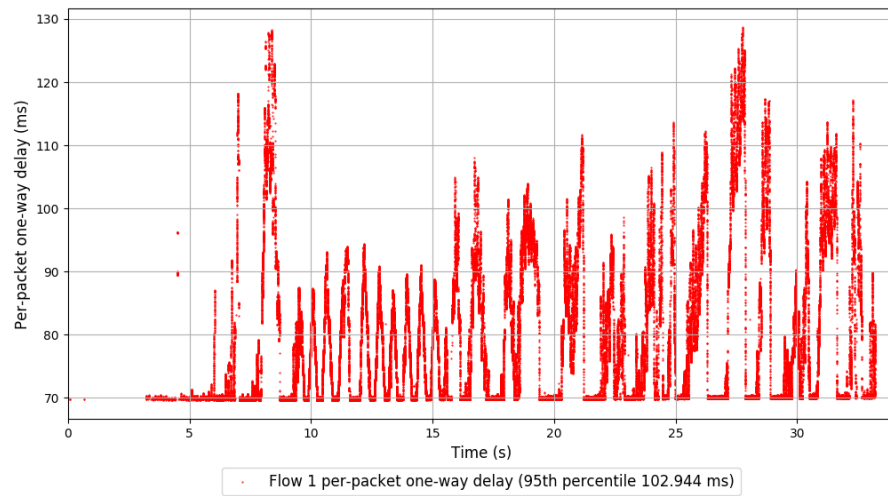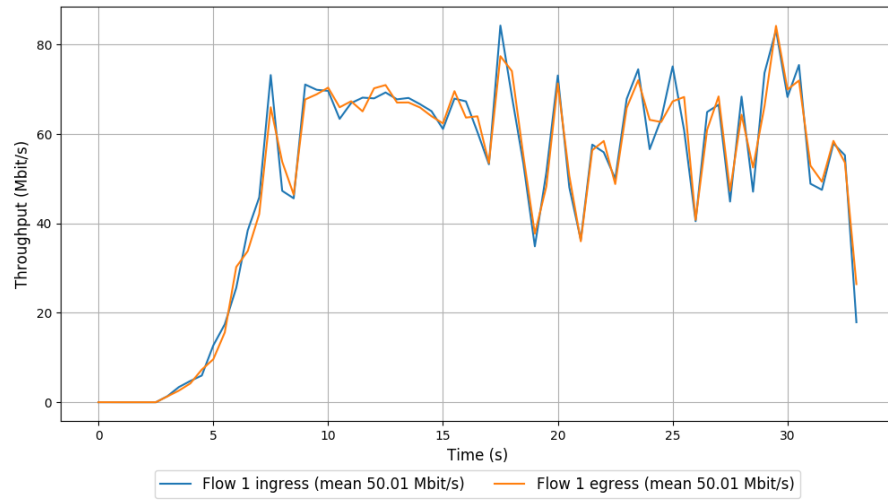
Run 3: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 50.01 Mbit/s) — Flow 1 egress (mean 50.01 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 102.944 ms)

```
Run 4: Statistics of CalibratedKoho

Start at: Fri, 23 Jun 2017 18:22:58 +0000
End at: Fri, 23 Jun 2017 18:23:28 +0000
Local clock offset: 2.774 ms
Remote clock offset: -16.619 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.90 Mbit/s
95th percentile per-packet one-way delay: 110.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 55.90 Mbit/s
95th percentile per-packet one-way delay: 110.227 ms
Loss rate: 0.00%
```
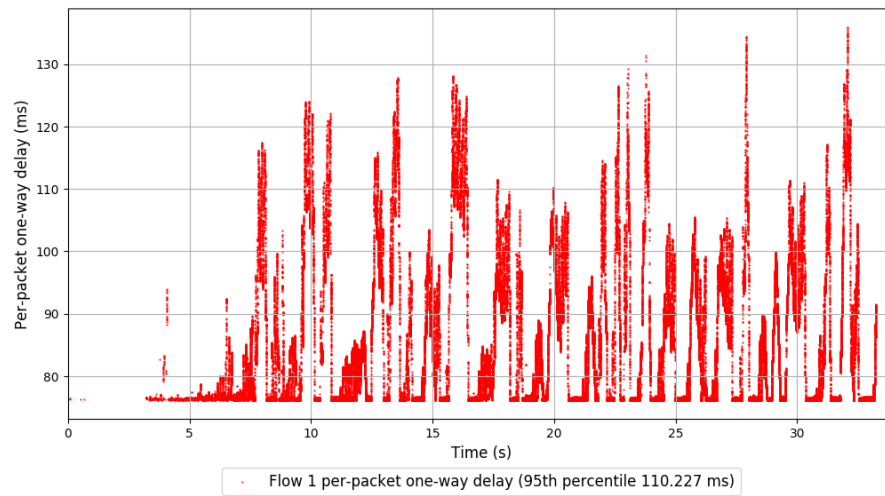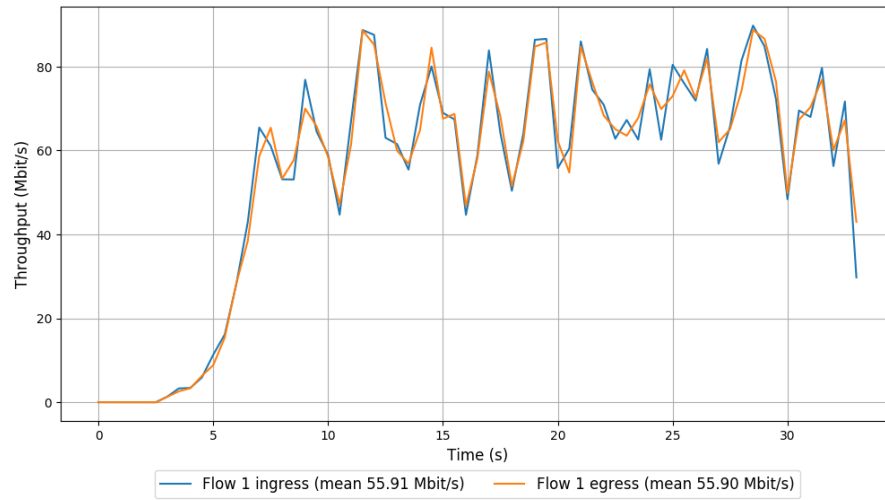
Run 4: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 55.91 Mbit/s) — Flow 1 egress (mean 55.90 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 110.227 ms)

```
Run 5: Statistics of CalibratedKoho

Start at: Fri, 23 Jun 2017 18:40:33 +0000
End at: Fri, 23 Jun 2017 18:41:03 +0000
Local clock offset: 2.816 ms
Remote clock offset: -14.48 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 101.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 101.478 ms
Loss rate: 0.00%
```
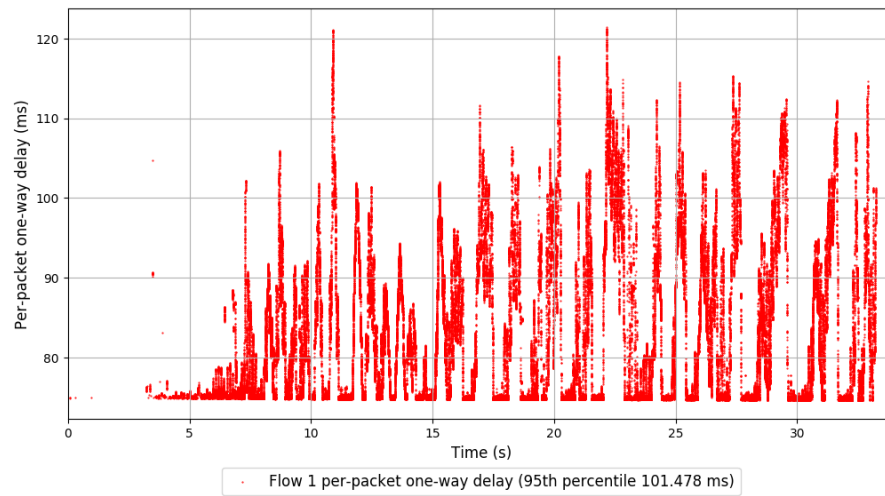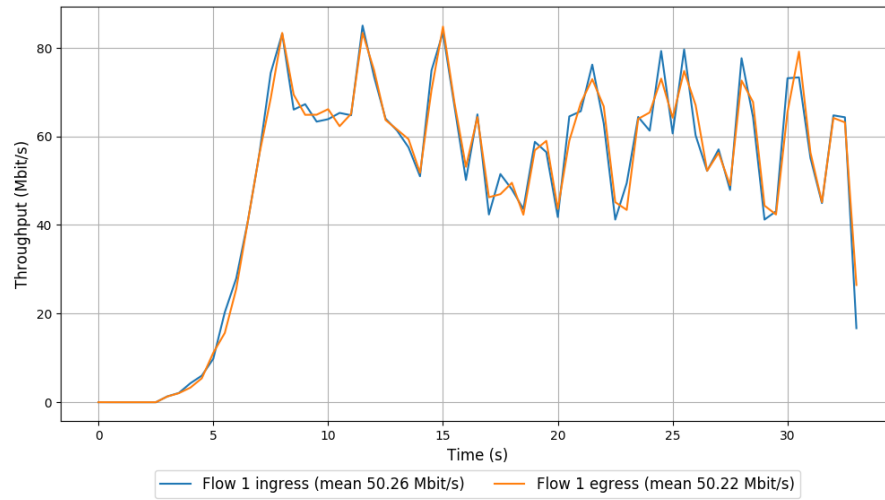
Run 5: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 50.26 Mbit/s) — Flow 1 egress (mean 50.22 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 101.478 ms)

```
Run 6: Statistics of CalibratedKoho

Start at: Fri, 23 Jun 2017 18:57:53 +0000
End at: Fri, 23 Jun 2017 18:58:23 +0000
Local clock offset: -0.334 ms
Remote clock offset: -13.542 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 97.018 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 97.018 ms
Loss rate: 0.75%
```
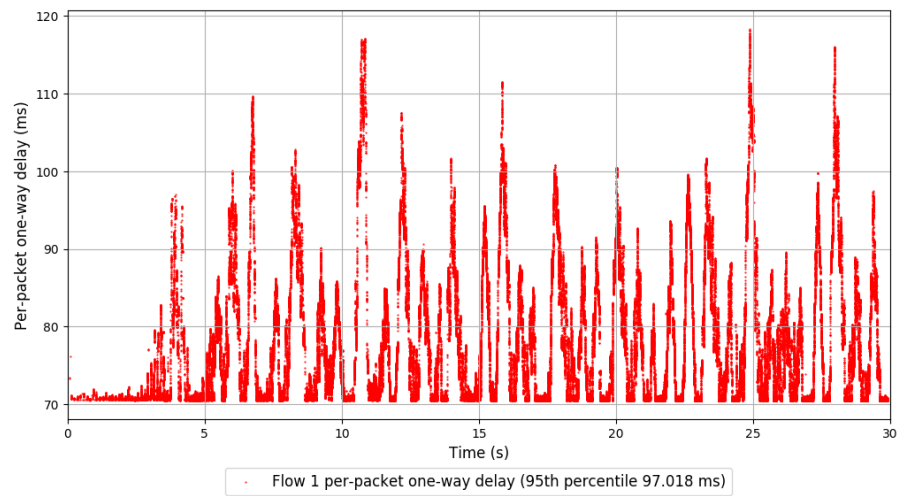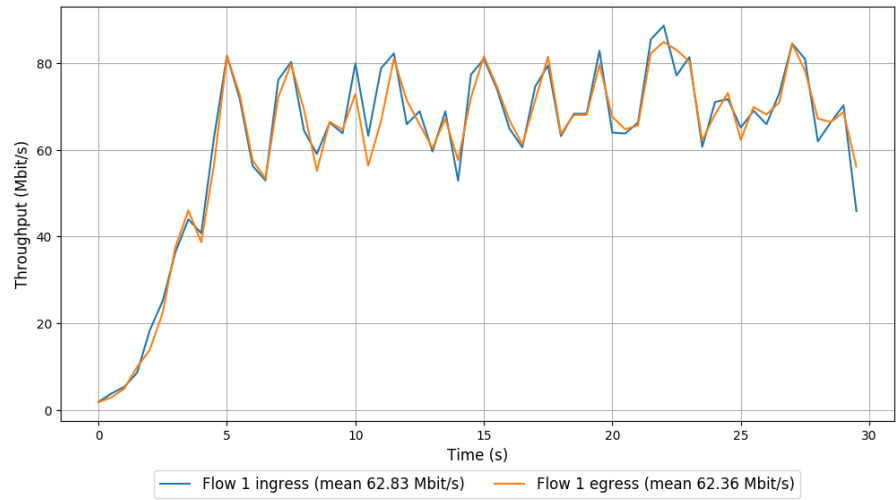
Run 6: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 62.83 Mbit/s)   Flow 1 egress (mean 62.36 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 97.018 ms)

```
Run 7: Statistics of CalibratedKoho

Start at: Fri, 23 Jun 2017 19:15:26 +0000
End at: Fri, 23 Jun 2017 19:15:56 +0000
Local clock offset: -0.942 ms
Remote clock offset: -10.363 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 107.566 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 49.17 Mbit/s
95th percentile per-packet one-way delay: 107.566 ms
Loss rate: 0.12%
```
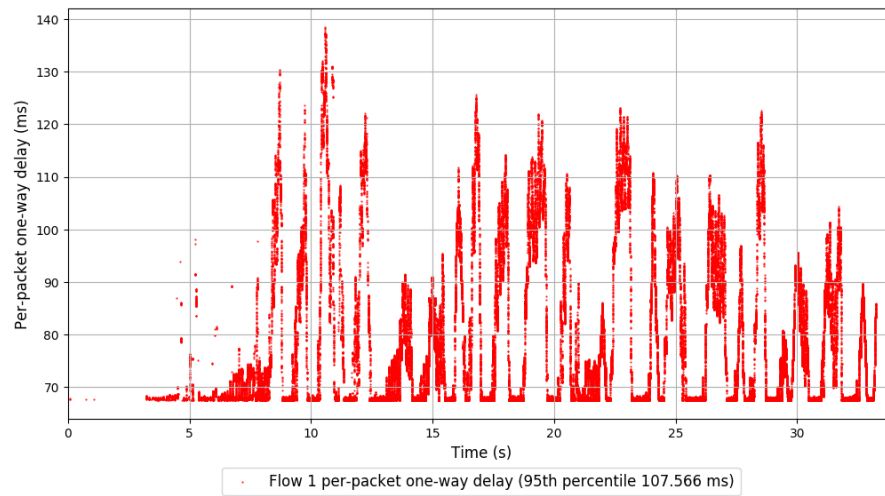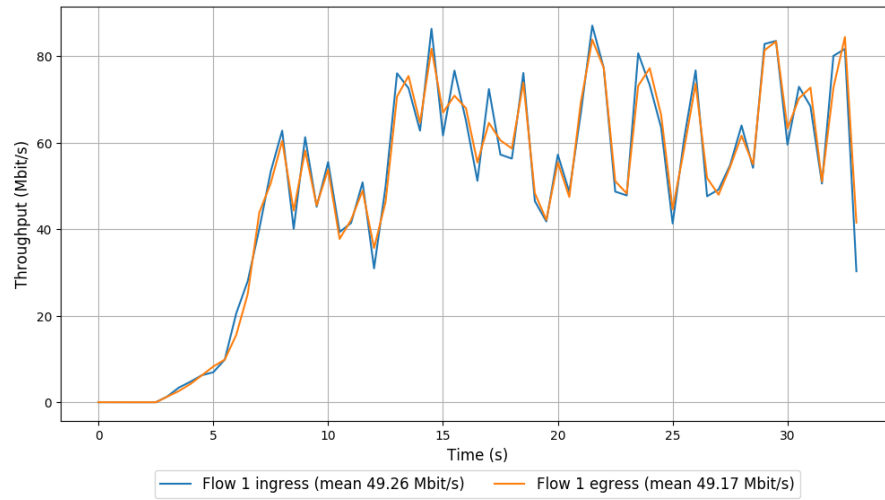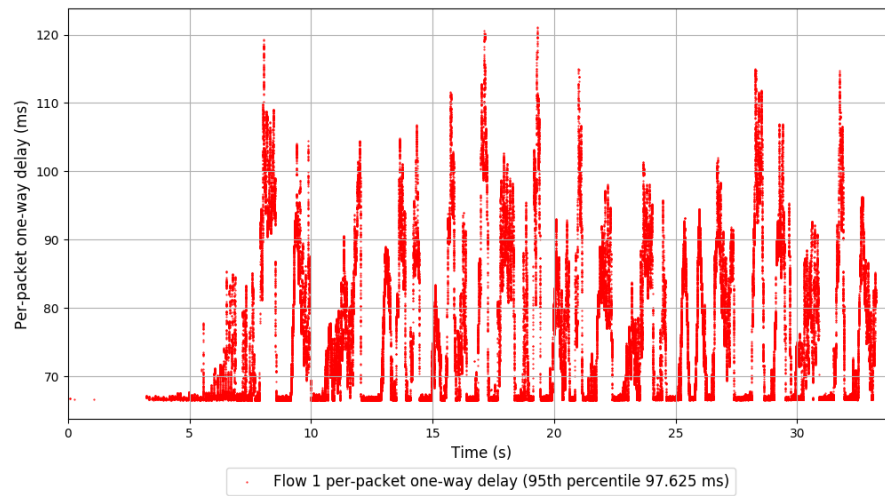
Run 7: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 49.26 Mbit/s)   Flow 1 egress (mean 49.17 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 107.566 ms)

```
Run 8: Statistics of CalibratedKoho

Start at: Fri, 23 Jun 2017 19:33:07 +0000
End at: Fri, 23 Jun 2017 19:33:37 +0000
Local clock offset: 0.395 ms
Remote clock offset: -8.937 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:36:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.27 Mbit/s
95th percentile per-packet one-way delay: 97.625 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 55.27 Mbit/s
95th percentile per-packet one-way delay: 97.625 ms
Loss rate: 0.04%
```
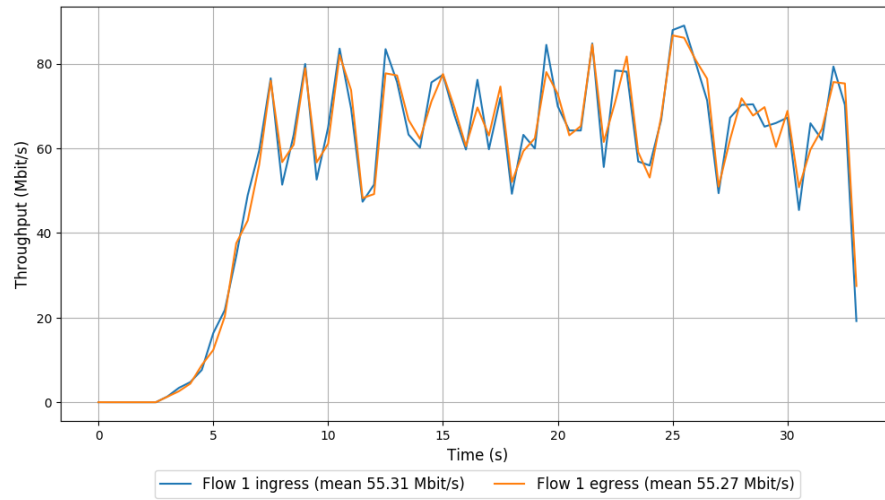
Run 8: Report of CalibratedKoho — Data Link

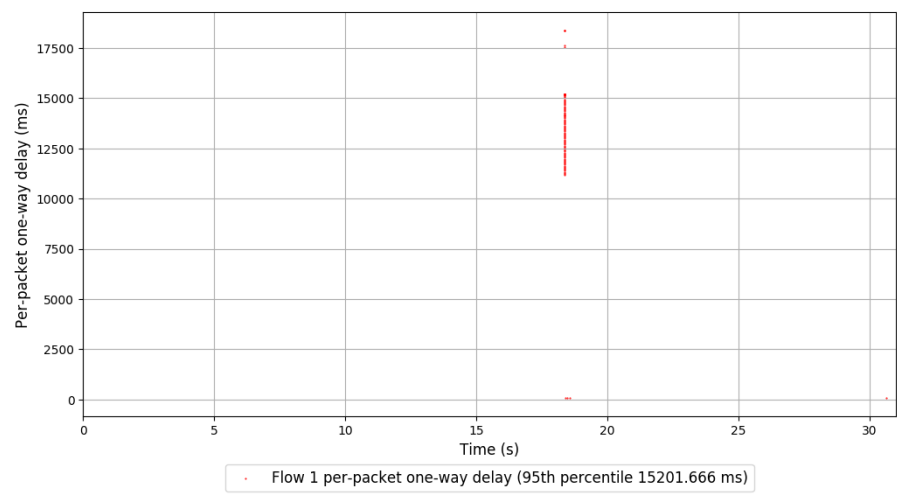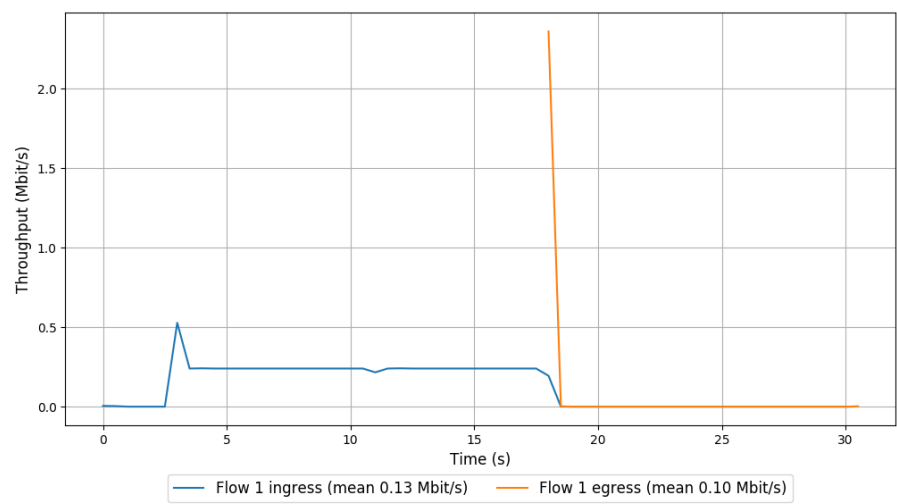Run 9: Statistics of CalibratedKoho

Start at: Fri, 23 Jun 2017 19:50:24 +0000
End at: Fri, 23 Jun 2017 19:50:54 +0000
Local clock offset: -0.086 ms
Remote clock offset: -11.451 ms

Run 9: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 0.13 Mbit/s) — Flow 1 egress (mean 0.10 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 15201.666 ms)

```
Run 10: Statistics of CalibratedKoho

Start at: Fri, 23 Jun 2017 20:07:48 +0000
End at: Fri, 23 Jun 2017 20:08:18 +0000
Local clock offset: -2.847 ms
Remote clock offset: -8.698 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:37:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 92.470 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 59.25 Mbit/s
95th percentile per-packet one-way delay: 92.470 ms
Loss rate: 0.04%
```
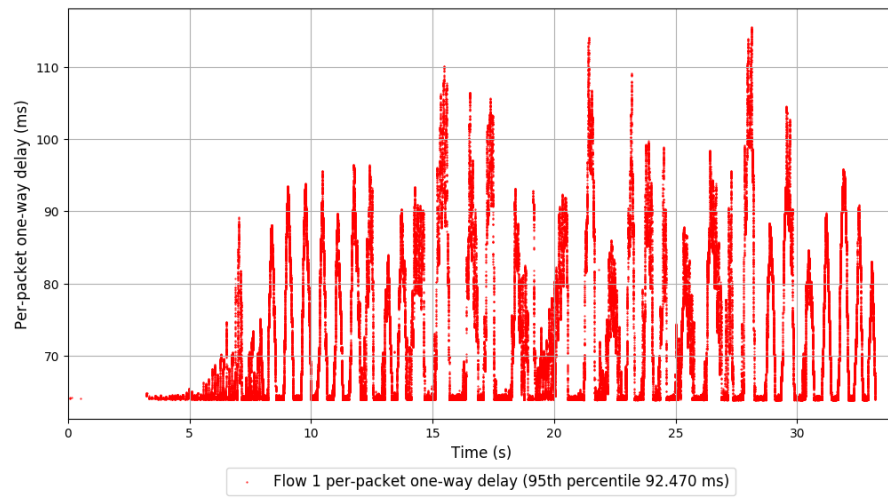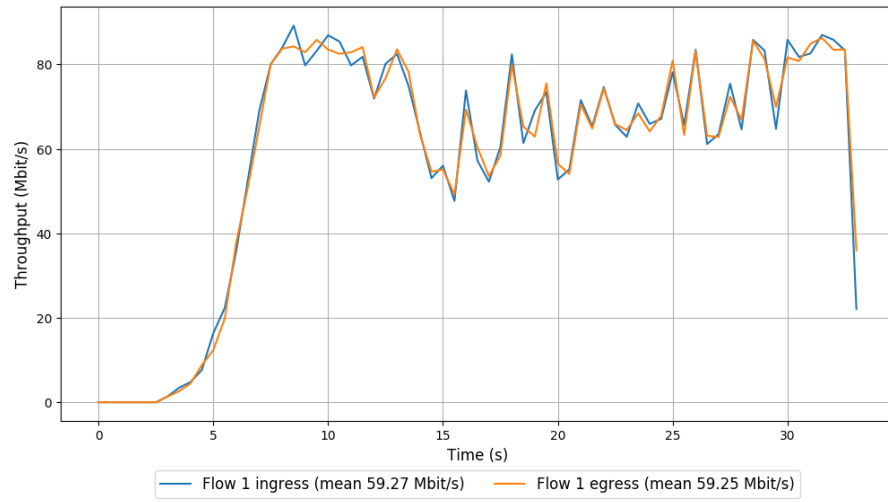
Run 10: Report of CalibratedKoho — Data Link

```
Run 1: Statistics of Copa

Start at: Fri, 23 Jun 2017 17:21:21 +0000
End at: Fri, 23 Jun 2017 17:21:51 +0000
Local clock offset: -3.639 ms
Remote clock offset: -14.222 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:37:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 84.512 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 84.512 ms
Loss rate: 0.03%
```
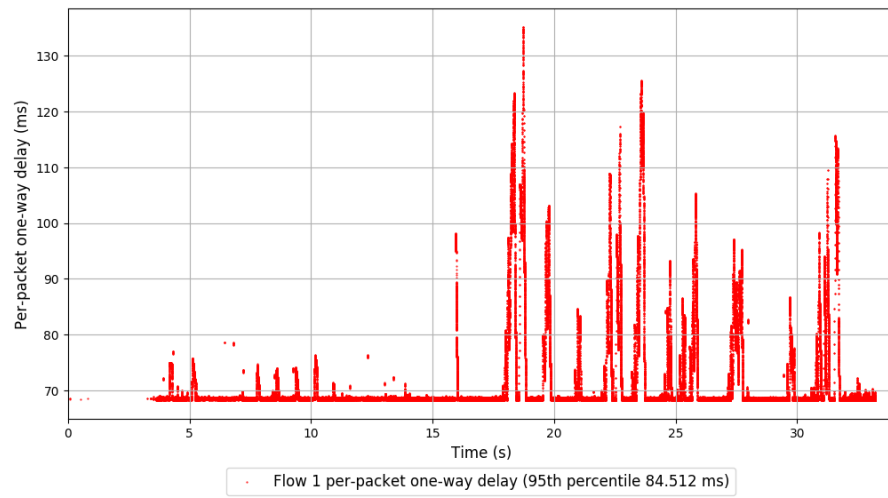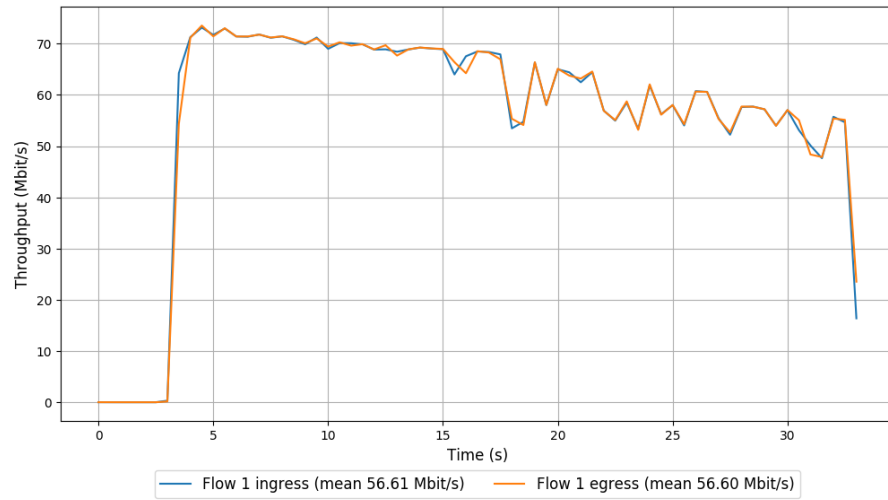
Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 56.61 Mbit/s) — Flow 1 egress (mean 56.60 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 84.512 ms)

```
Run 2: Statistics of Copa

Start at: Fri, 23 Jun 2017 17:38:58 +0000
End at: Fri, 23 Jun 2017 17:39:28 +0000
Local clock offset: -4.005 ms
Remote clock offset: -14.882 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:37:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.83 Mbit/s
95th percentile per-packet one-way delay: 268.375 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 42.83 Mbit/s
95th percentile per-packet one-way delay: 268.375 ms
Loss rate: 0.93%
```
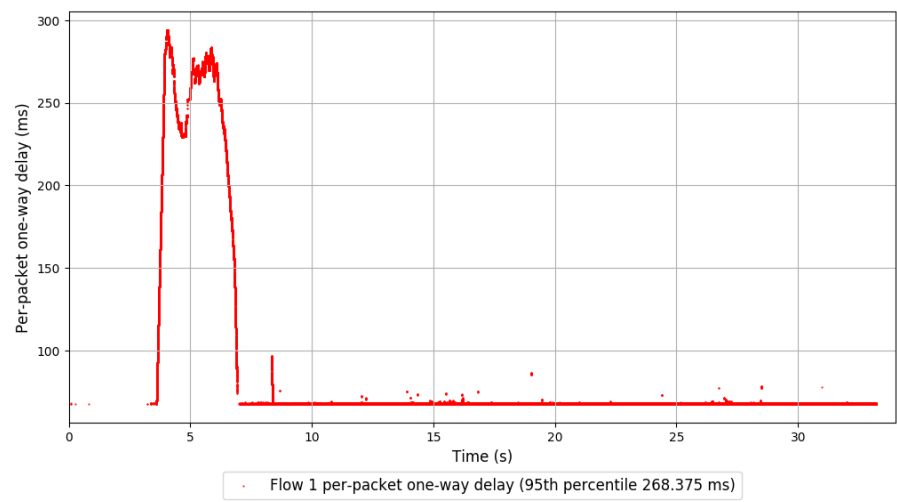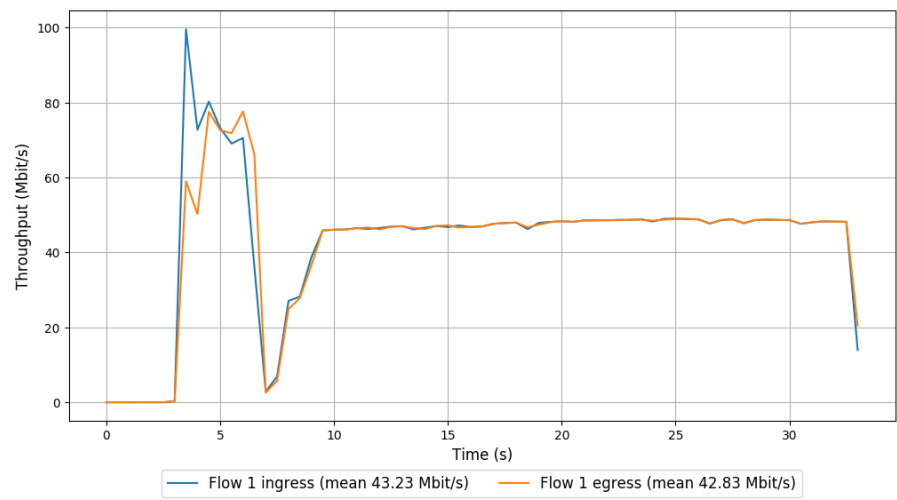
Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 43.23 Mbit/s) ——— Flow 1 egress (mean 42.83 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 268.375 ms)

```
Run 3: Statistics of Copa

Start at: Fri, 23 Jun 2017 17:56:16 +0000
End at: Fri, 23 Jun 2017 17:56:46 +0000
Local clock offset: -4.551 ms
Remote clock offset: -16.414 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:37:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 107.682 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 33.00 Mbit/s
95th percentile per-packet one-way delay: 107.682 ms
Loss rate: 0.02%
```
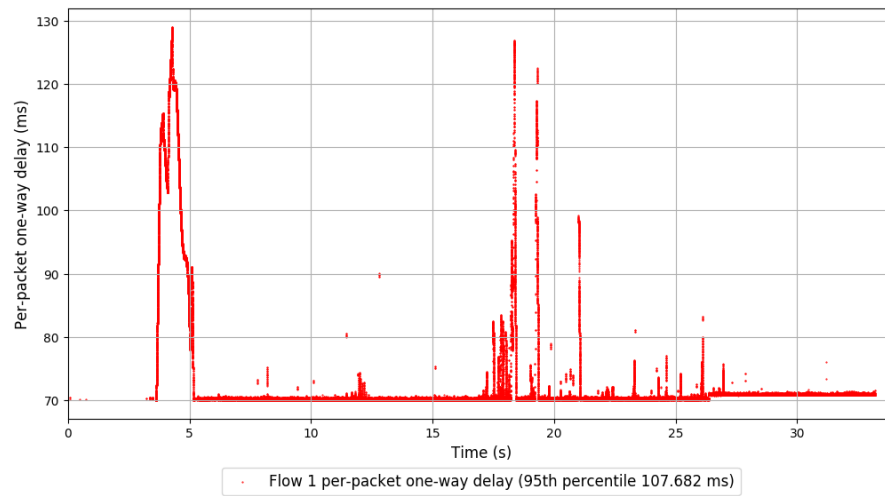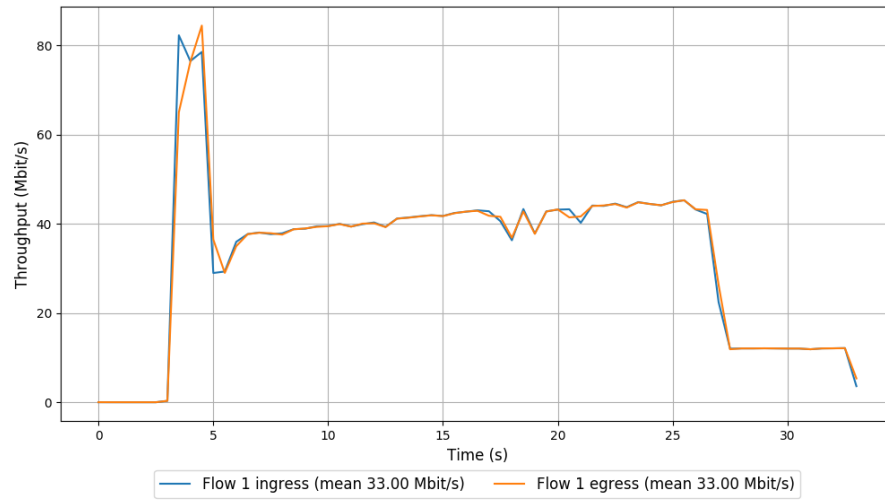
Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: Fri, 23 Jun 2017 18:13:48 +0000
End at: Fri, 23 Jun 2017 18:14:18 +0000
Local clock offset: 0.309 ms
Remote clock offset: -17.522 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:37:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 75.221 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 75.221 ms
Loss rate: 0.02%
```
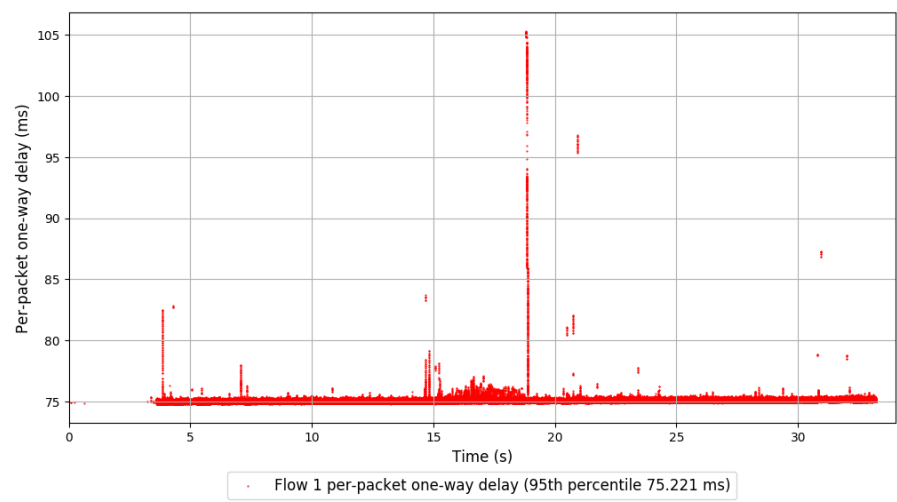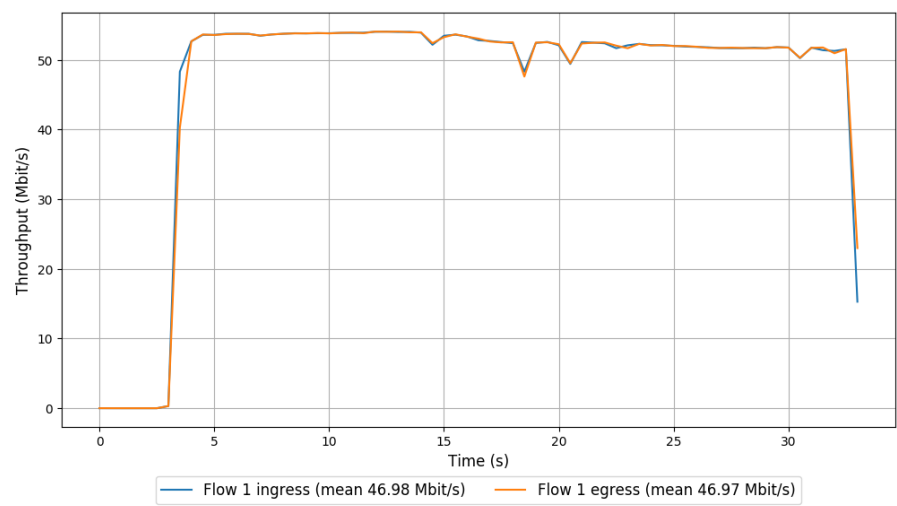
Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 46.98 Mbit/s)   Flow 1 egress (mean 46.97 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 75.221 ms)

```
Run 5: Statistics of Copa

Start at: Fri, 23 Jun 2017 18:31:12 +0000
End at: Fri, 23 Jun 2017 18:31:42 +0000
Local clock offset: 3.007 ms
Remote clock offset: -15.722 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:37:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 96.740 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 38.84 Mbit/s
95th percentile per-packet one-way delay: 96.740 ms
Loss rate: 0.03%
```
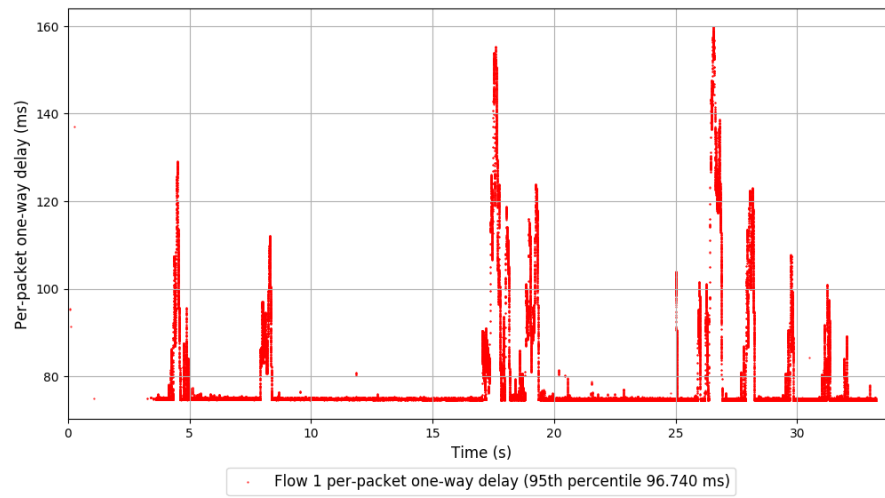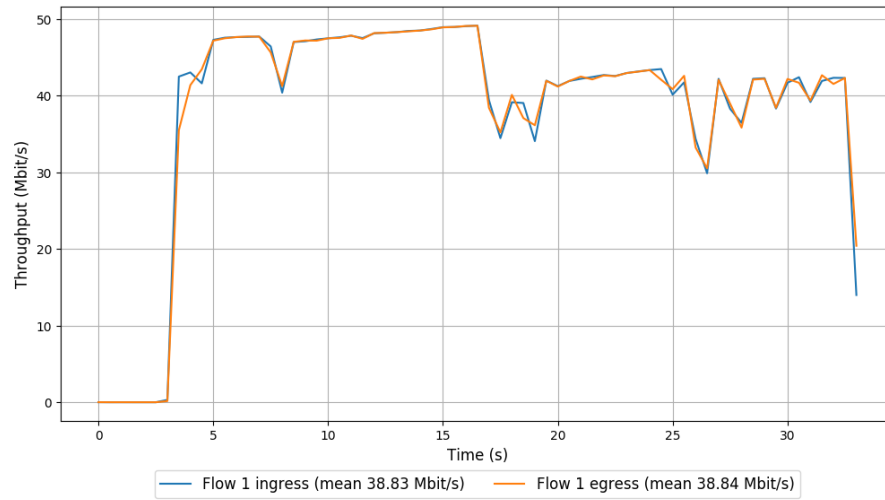
Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 38.83 Mbit/s)   Flow 1 egress (mean 38.84 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 96.740 ms)

```
Run 6: Statistics of Copa

Start at: Fri, 23 Jun 2017 18:48:47 +0000
End at: Fri, 23 Jun 2017 18:49:17 +0000
Local clock offset: 0.604 ms
Remote clock offset: -13.958 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:37:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.95 Mbit/s
95th percentile per-packet one-way delay: 185.762 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 41.95 Mbit/s
95th percentile per-packet one-way delay: 185.762 ms
Loss rate: 0.88%
```
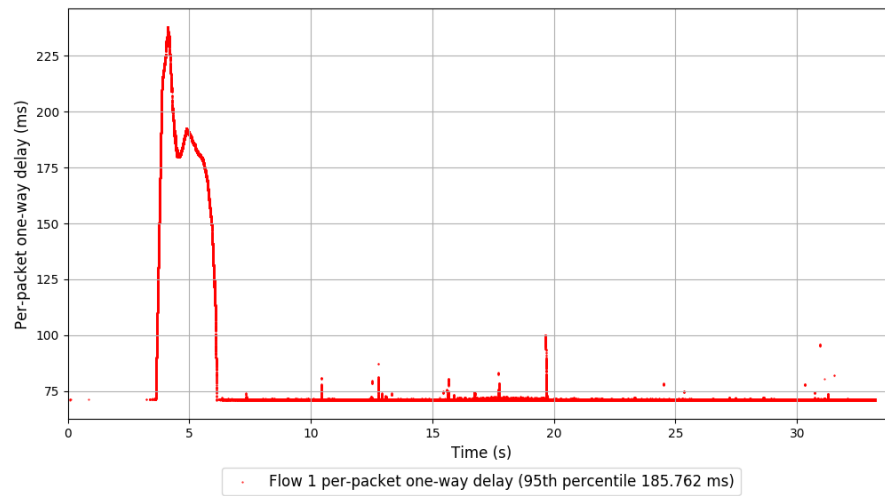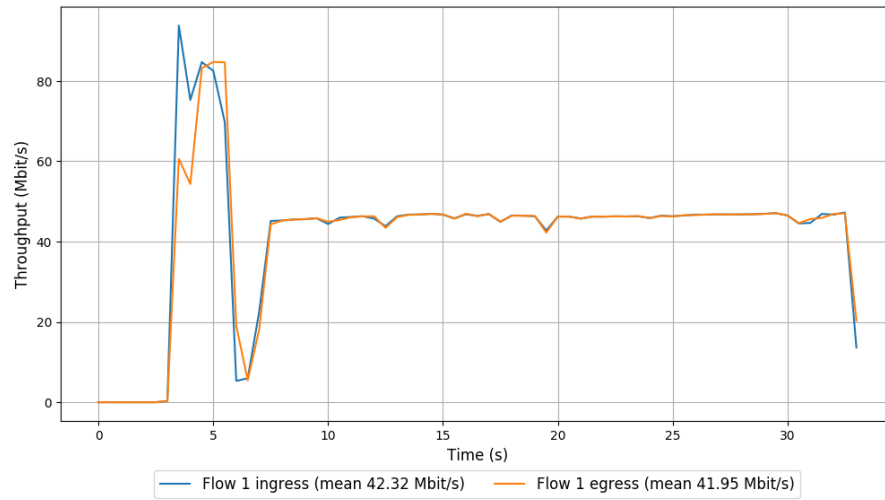
Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 42.32 Mbit/s)   Flow 1 egress (mean 41.95 Mbit/s)

·   Flow 1 per-packet one-way delay (95th percentile 185.762 ms)

```
Run 7: Statistics of Copa

Start at: Fri, 23 Jun 2017 19:06:08 +0000
End at: Fri, 23 Jun 2017 19:06:38 +0000
Local clock offset: -0.825 ms
Remote clock offset: -12.429 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:37:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 69.845 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 69.845 ms
Loss rate: 0.03%
```
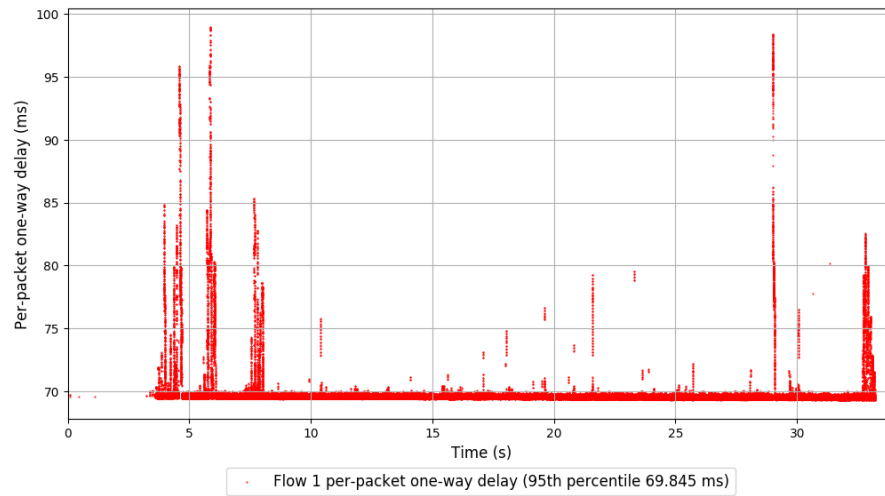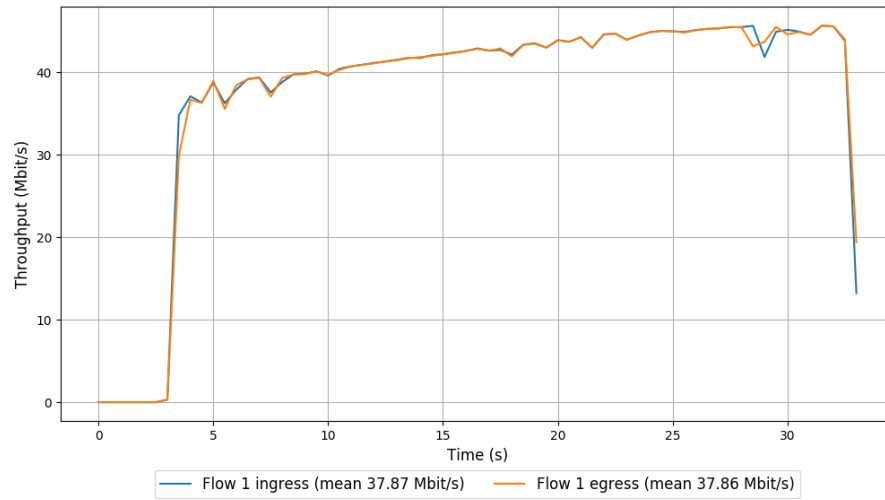
Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 37.87 Mbit/s) —— Flow 1 egress (mean 37.86 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 69.845 ms)

```
Run 8: Statistics of Copa

Start at: Fri, 23 Jun 2017 19:23:48 +0000
End at: Fri, 23 Jun 2017 19:24:18 +0000
Local clock offset: 0.153 ms
Remote clock offset: -9.106 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:37:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 81.391 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 48.53 Mbit/s
95th percentile per-packet one-way delay: 81.391 ms
Loss rate: 0.10%
```
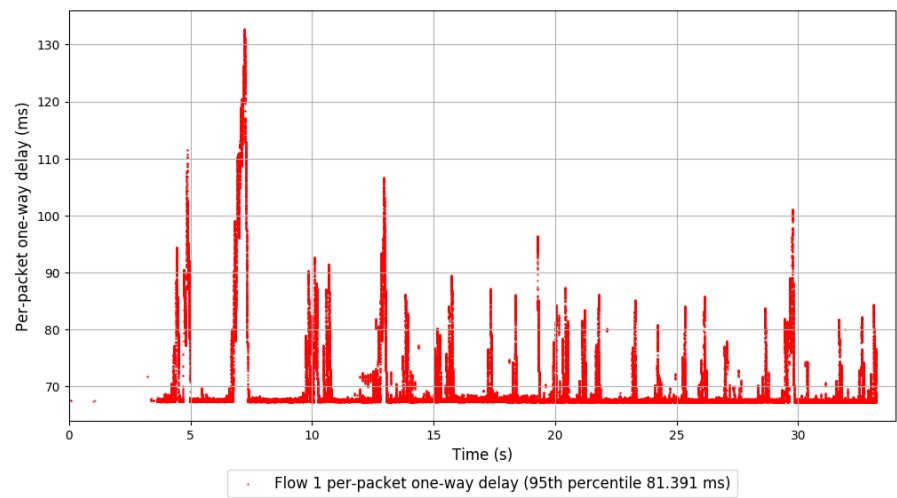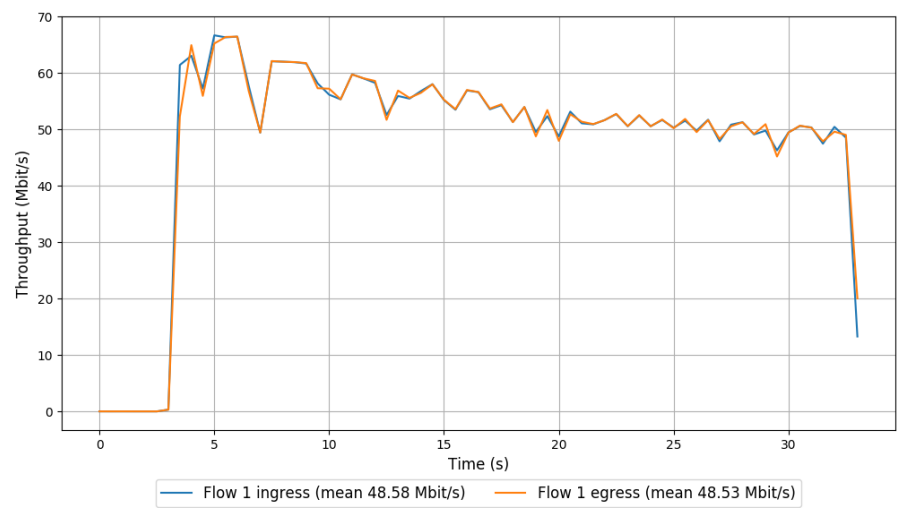
Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 48.58 Mbit/s) — Flow 1 egress (mean 48.53 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 81.391 ms)

```
Run 9: Statistics of Copa

Start at: Fri, 23 Jun 2017 19:41:19 +0000
End at: Fri, 23 Jun 2017 19:41:49 +0000
Local clock offset: 0.506 ms
Remote clock offset: -10.776 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:37:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 69.474 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 34.60 Mbit/s
95th percentile per-packet one-way delay: 69.474 ms
Loss rate: 0.04%
```
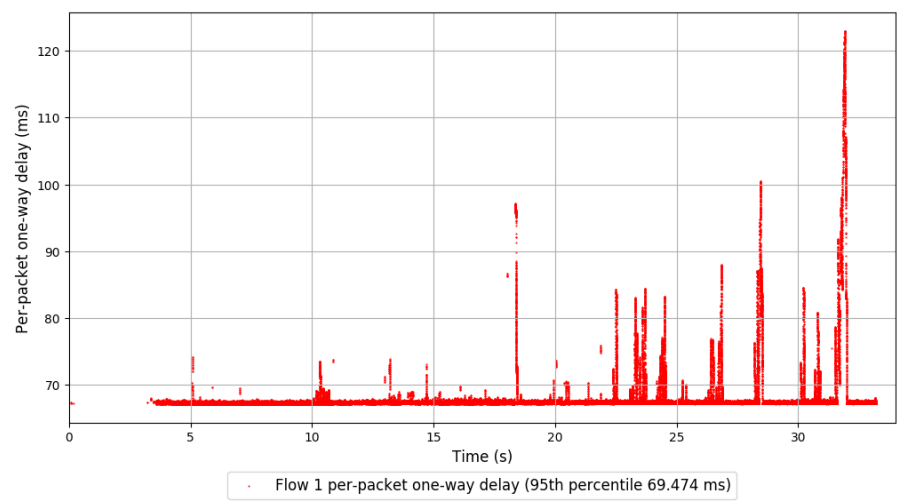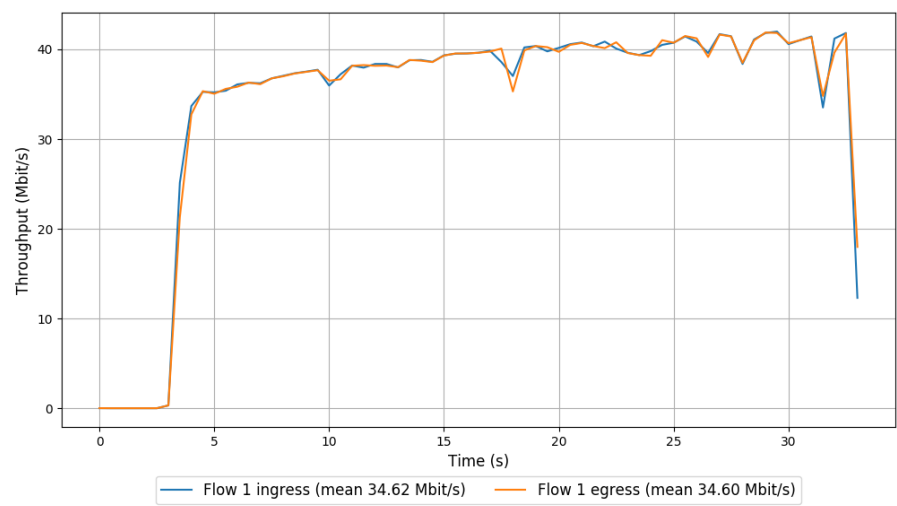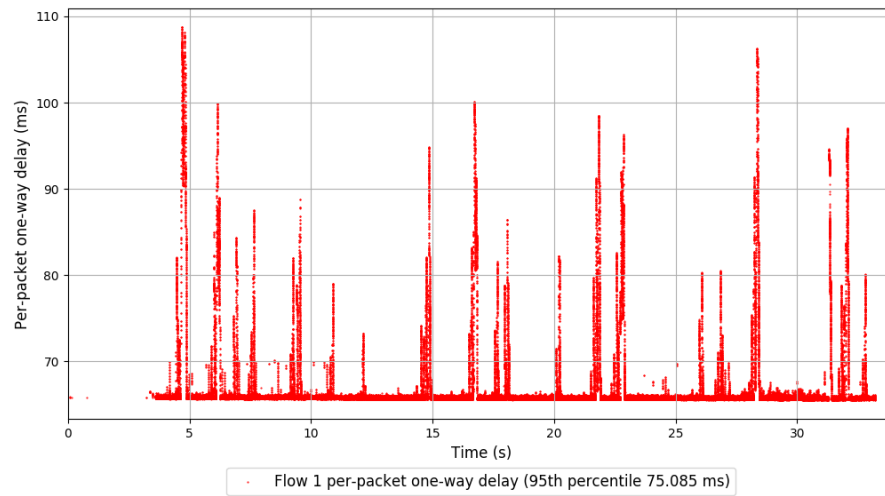
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 34.62 Mbit/s)   Flow 1 egress (mean 34.60 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 69.474 ms)

```
Run 10: Statistics of Copa

Start at: Fri, 23 Jun 2017 19:58:36 +0000
End at: Fri, 23 Jun 2017 19:59:06 +0000
Local clock offset: -2.024 ms
Remote clock offset: -10.223 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 75.085 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 75.085 ms
Loss rate: 0.02%
```
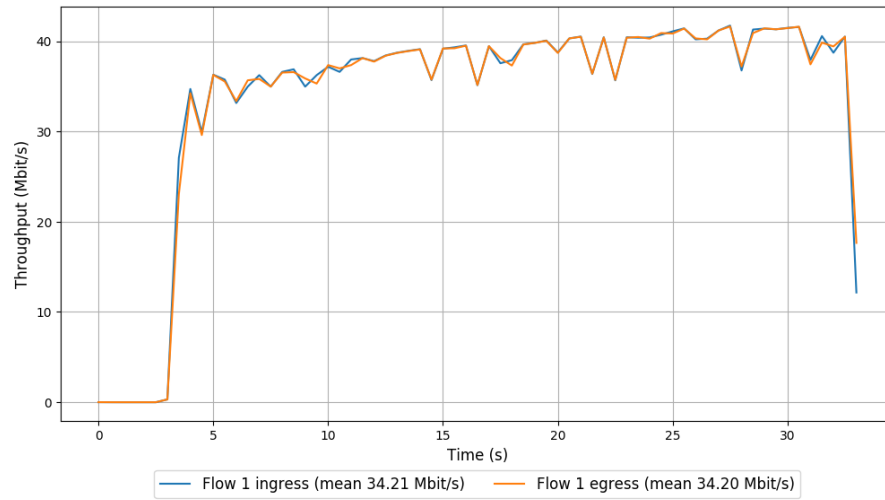
Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 34.21 Mbit/s)   Flow 1 egress (mean 34.20 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 75.085 ms)
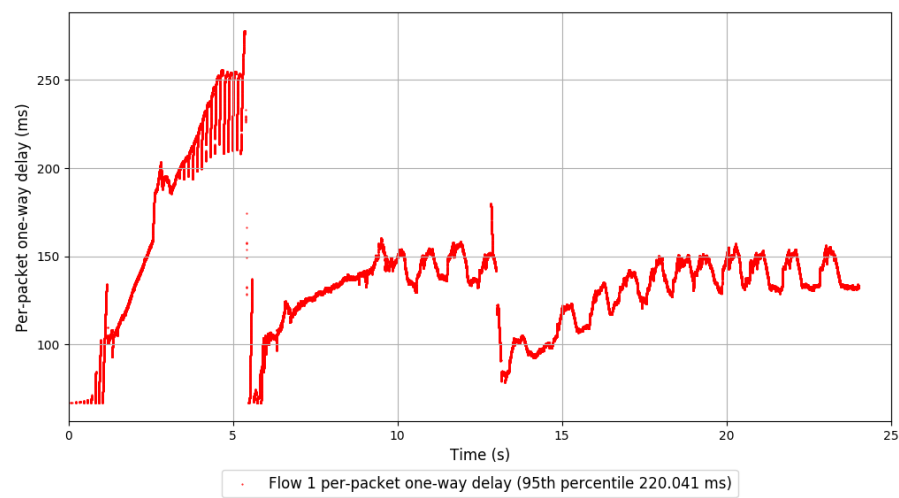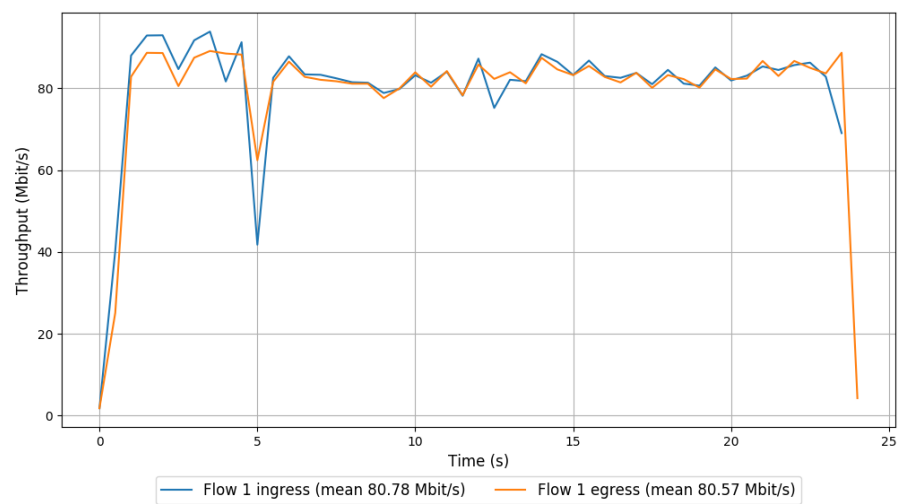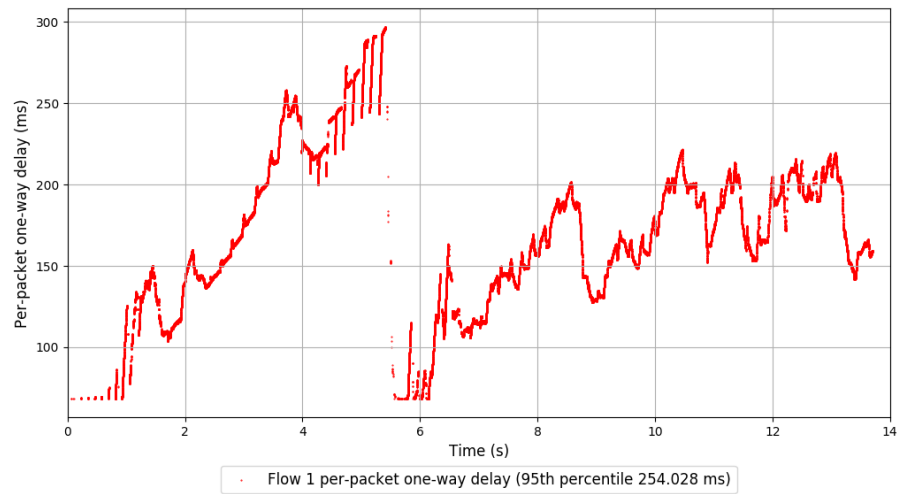
```
Run 1: Statistics of TCP Cubic

Start at: Fri, 23 Jun 2017 17:23:45 +0000
End at: Fri, 23 Jun 2017 17:24:15 +0000
Local clock offset: -3.84 ms
Remote clock offset: -13.82 ms
```

Run 1: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 80.78 Mbit/s)   Flow 1 egress (mean 80.57 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 220.041 ms)
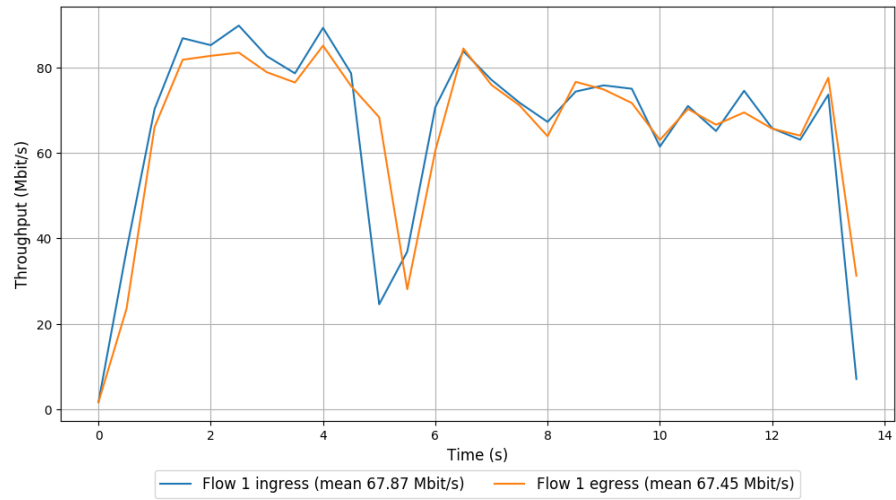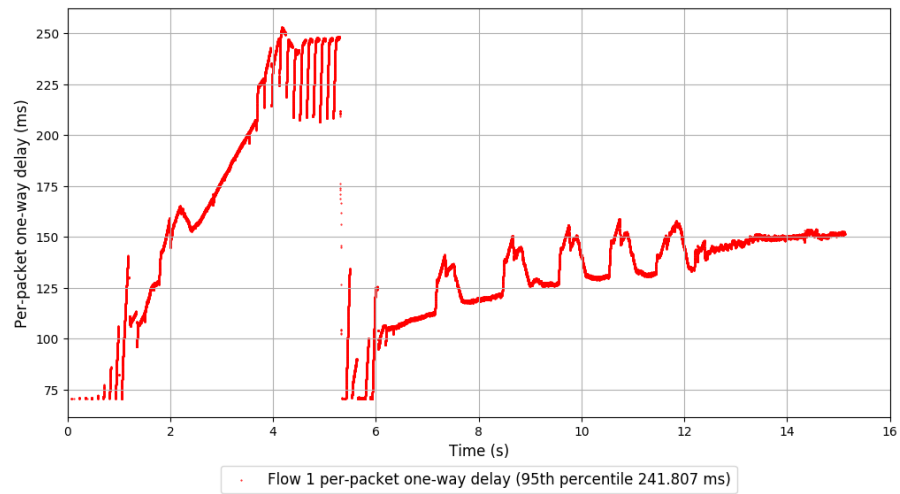
Run 2: Statistics of TCP Cubic

Start at: Fri, 23 Jun 2017 17:41:19 +0000
End at: Fri, 23 Jun 2017 17:41:49 +0000
Local clock offset: -4.104 ms
Remote clock offset: -15.292 ms

Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 67.87 Mbit/s) —— Flow 1 egress (mean 67.45 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 254.028 ms)
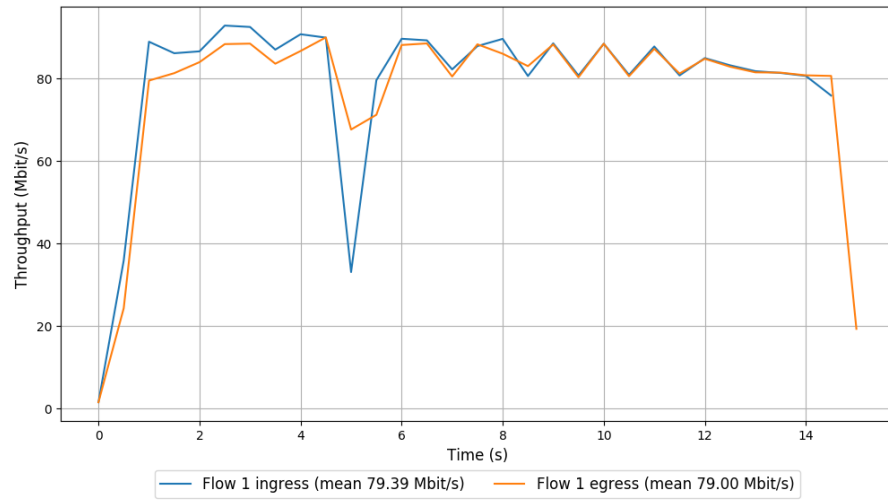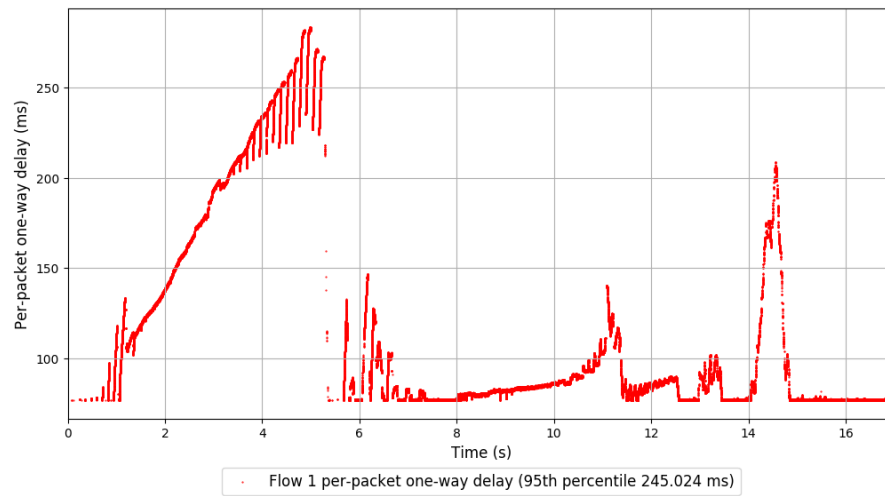
```
Run 3: Statistics of TCP Cubic

Start at: Fri, 23 Jun 2017 17:58:33 +0000
End at: Fri, 23 Jun 2017 17:59:03 +0000
Local clock offset: -4.59 ms
Remote clock offset: -17.198 ms
```

Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 79.39 Mbit/s) ——— Flow 1 egress (mean 79.00 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 241.807 ms)
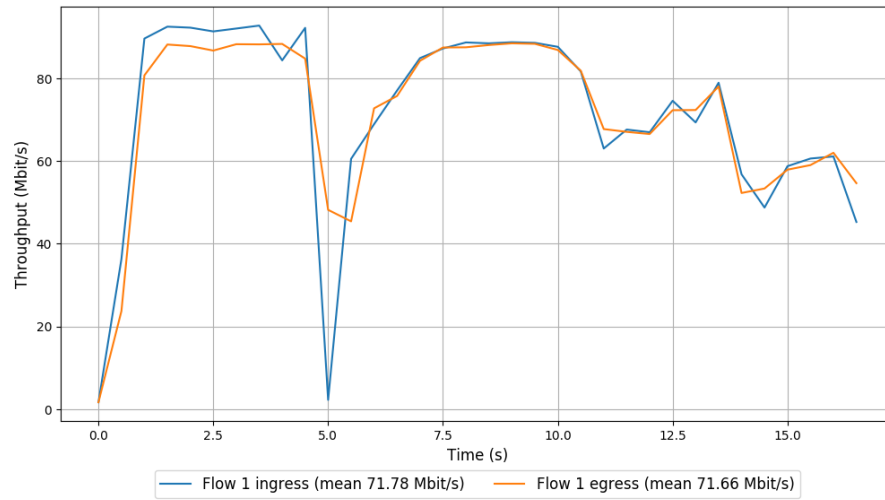
Run 4: Statistics of TCP Cubic

Start at: Fri, 23 Jun 2017 18:16:09 +0000
End at: Fri, 23 Jun 2017 18:16:40 +0000
Local clock offset: 1.177 ms
Remote clock offset: -16.961 ms

Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 71.78 Mbit/s) —— Flow 1 egress (mean 71.66 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 245.024 ms)
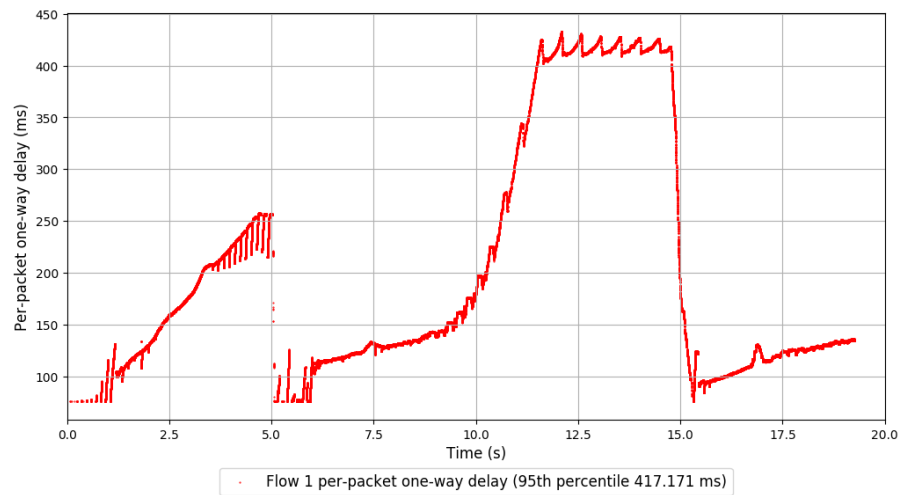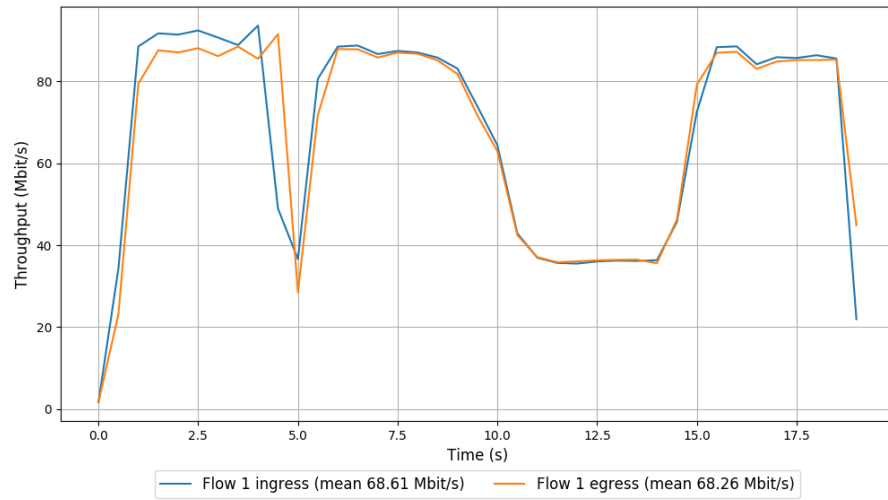
Run 5: Statistics of TCP Cubic

Start at: Fri, 23 Jun 2017 18:33:32 +0000
End at: Fri, 23 Jun 2017 18:34:02 +0000
Local clock offset: 3.079 ms
Remote clock offset: -14.731 ms

Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 68.61 Mbit/s)   Flow 1 egress (mean 68.26 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 417.171 ms)
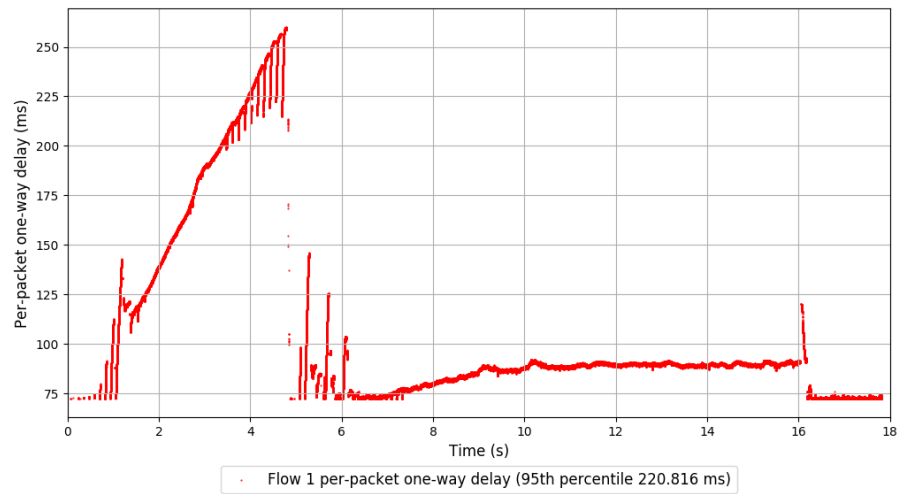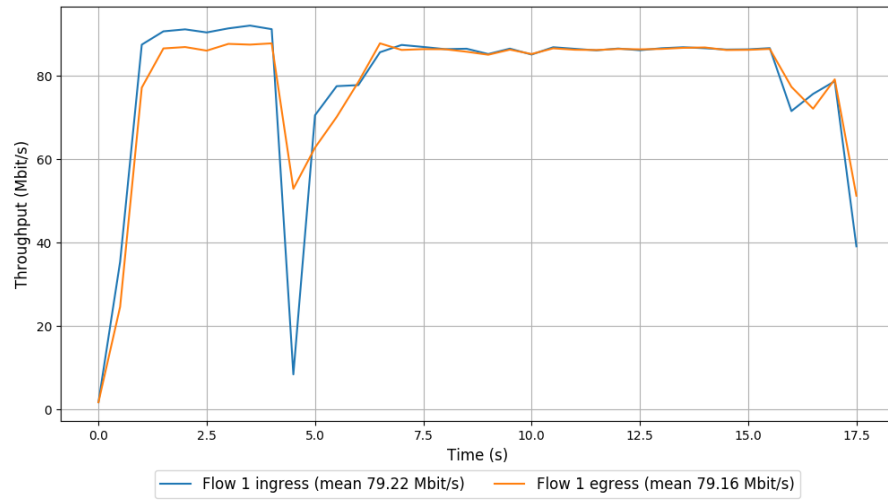
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Run 6: Statistics of TCP Cubic

Start at: Fri, 23 Jun 2017 18:51:05 +0000
End at: Fri, 23 Jun 2017 18:51:35 +0000
Local clock offset: 0.22 ms
Remote clock offset: -13.462 ms

Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 79.22 Mbit/s)   Flow 1 egress (mean 79.16 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 220.816 ms)
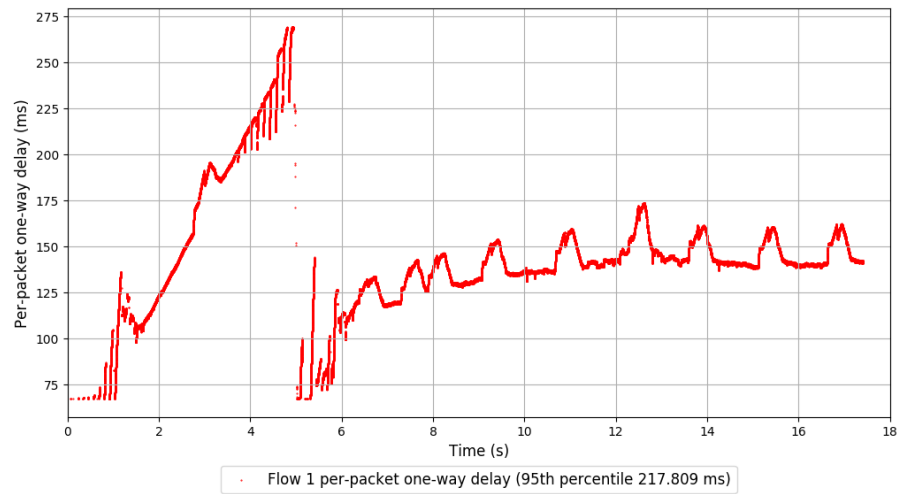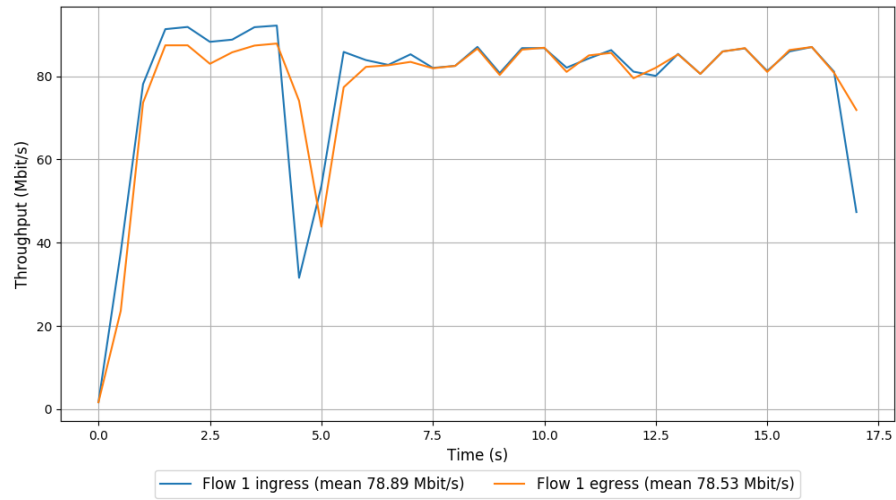
Run 7: Statistics of TCP Cubic

Start at: Fri, 23 Jun 2017 19:08:27 +0000
End at: Fri, 23 Jun 2017 19:08:57 +0000
Local clock offset: -0.902 ms
Remote clock offset: -12.253 ms

Run 7: Report of TCP Cubic — Data Link
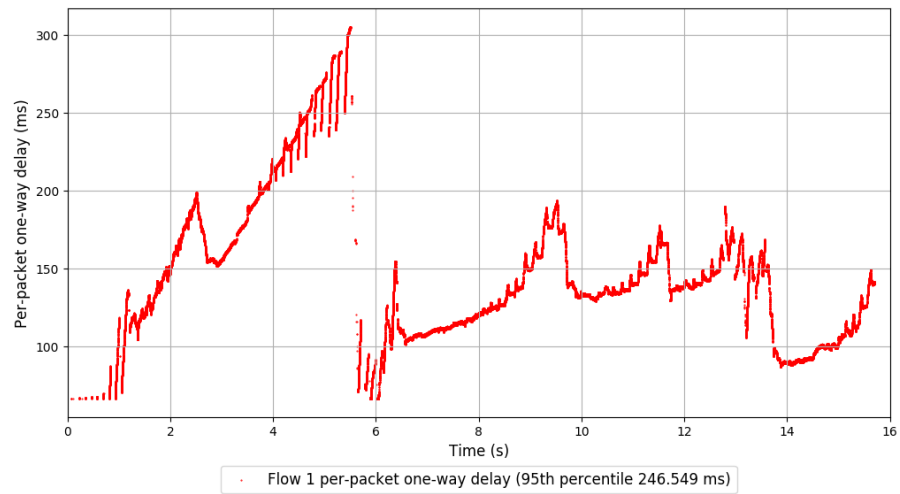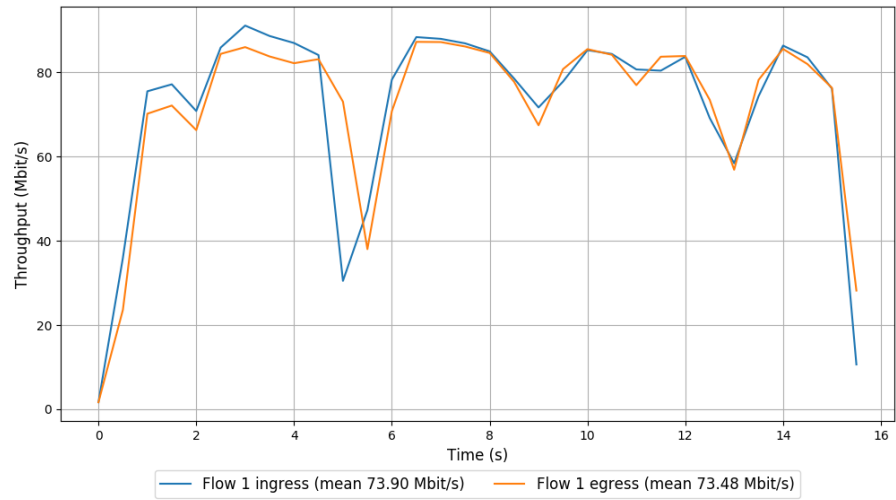
Run 8: Statistics of TCP Cubic

Start at: Fri, 23 Jun 2017 19:26:07 +0000
End at: Fri, 23 Jun 2017 19:26:37 +0000
Local clock offset: 0.282 ms
Remote clock offset: -9.088 ms

Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 73.90 Mbit/s) — Flow 1 egress (mean 73.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 246.549 ms)
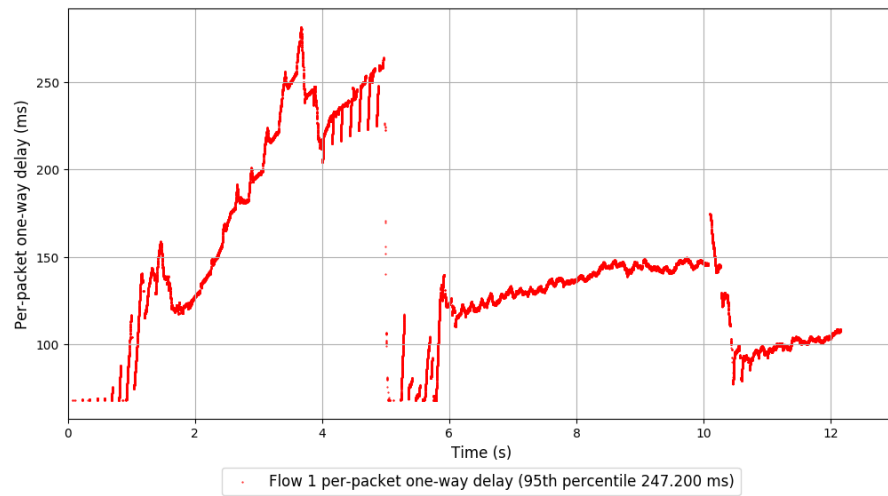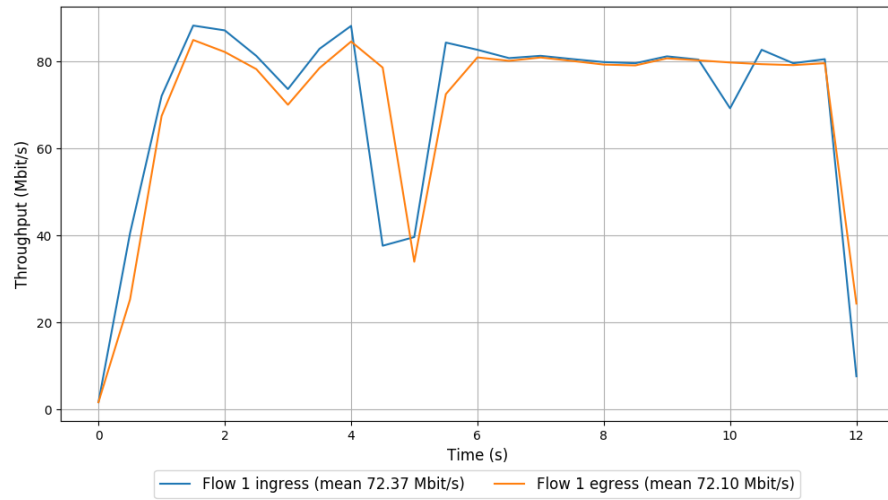
Run 9: Statistics of TCP Cubic

Start at: Fri, 23 Jun 2017 19:43:36 +0000
End at: Fri, 23 Jun 2017 19:44:06 +0000
Local clock offset: 0.558 ms
Remote clock offset: -10.5 ms

Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 72.37 Mbit/s)   Flow 1 egress (mean 72.10 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 247.200 ms)
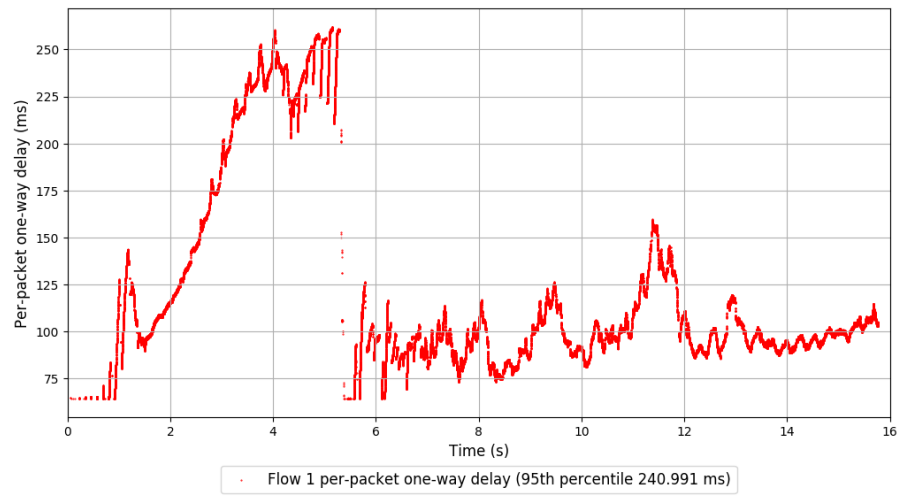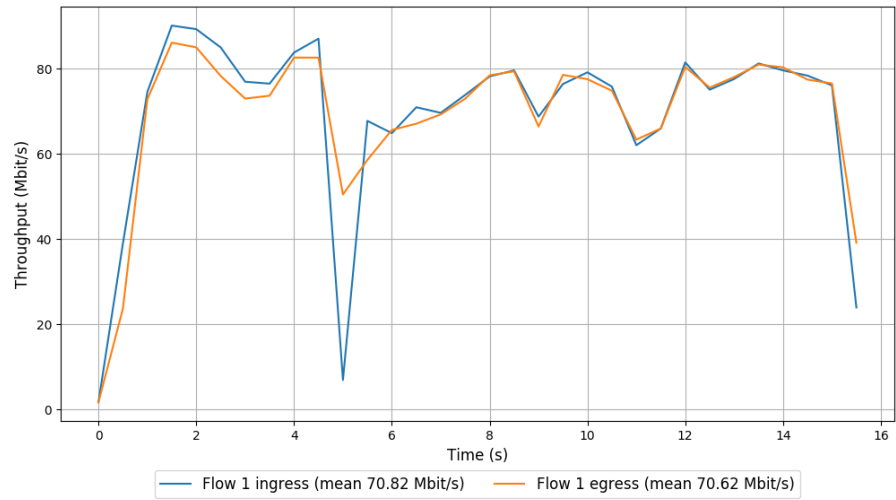
Run 10: Statistics of TCP Cubic

Start at: Fri, 23 Jun 2017 20:00:56 +0000
End at: Fri, 23 Jun 2017 20:01:26 +0000
Local clock offset: -2.372 ms
Remote clock offset: -10.262 ms

Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 70.82 Mbit/s) — Flow 1 egress (mean 70.62 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 240.991 ms)
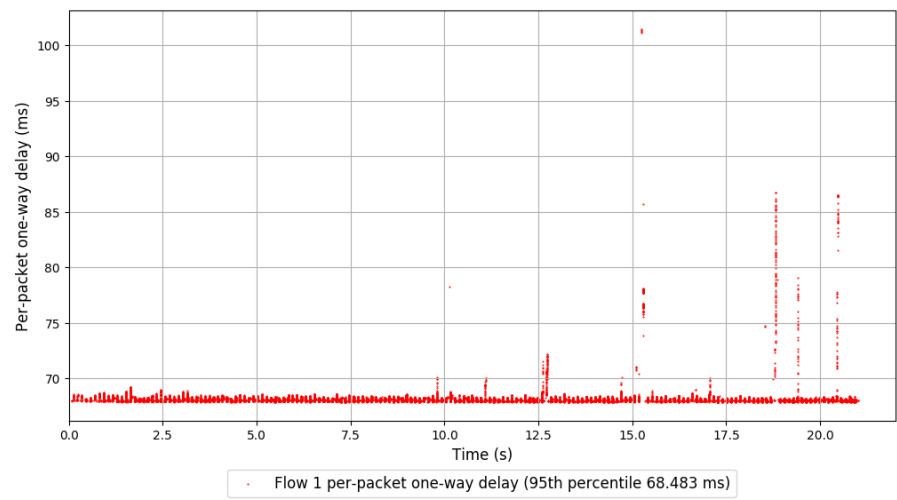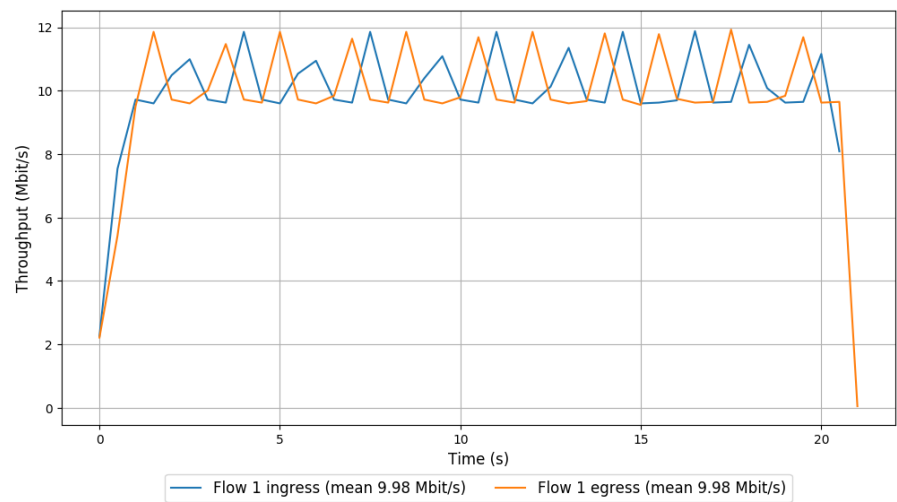
Run 1: Statistics of KohoCC

Start at: Fri, 23 Jun 2017 17:26:03 +0000
End at: Fri, 23 Jun 2017 17:26:33 +0000
Local clock offset: -4.025 ms
Remote clock offset: -14.117 ms

Run 1: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.98 Mbit/s)   Flow 1 egress (mean 9.98 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 68.483 ms)

```
Run 2: Statistics of KohoCC

Start at: Fri, 23 Jun 2017 17:43:34 +0000
End at: Fri, 23 Jun 2017 17:44:04 +0000
Local clock offset: -4.225 ms
Remote clock offset: -15.358 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 69.509 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 69.509 ms
Loss rate: 0.00%
```
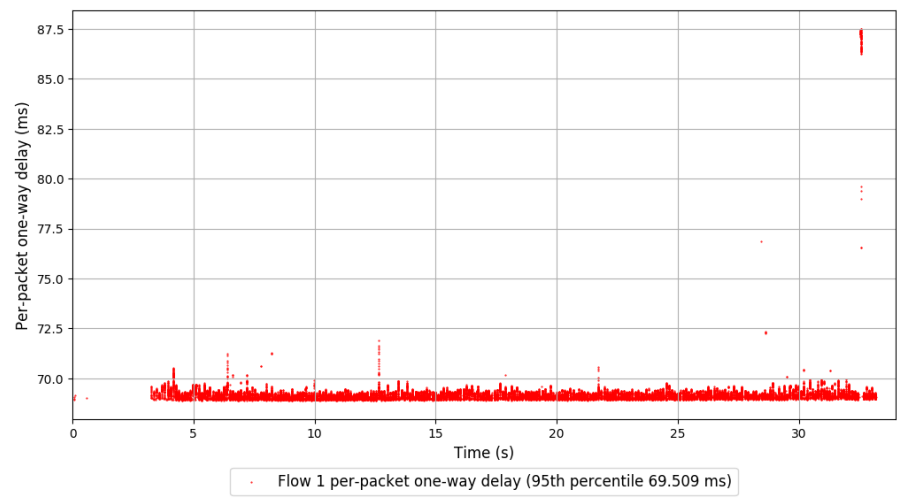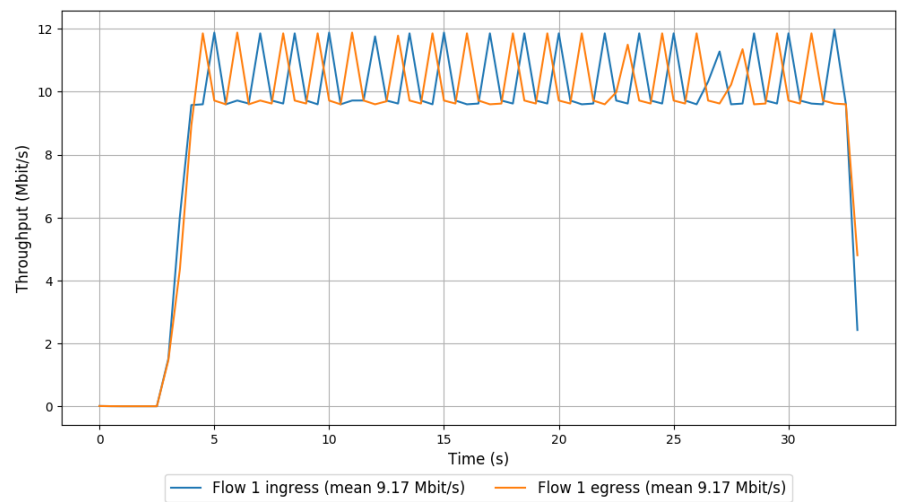
Run 2: Report of KohoCC — Data Link

```
Run 3: Statistics of KohoCC

Start at: Fri, 23 Jun 2017 18:00:49 +0000
End at: Fri, 23 Jun 2017 18:01:19 +0000
Local clock offset: -4.66 ms
Remote clock offset: -17.391 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 72.225 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 72.225 ms
Loss rate: 0.00%
```
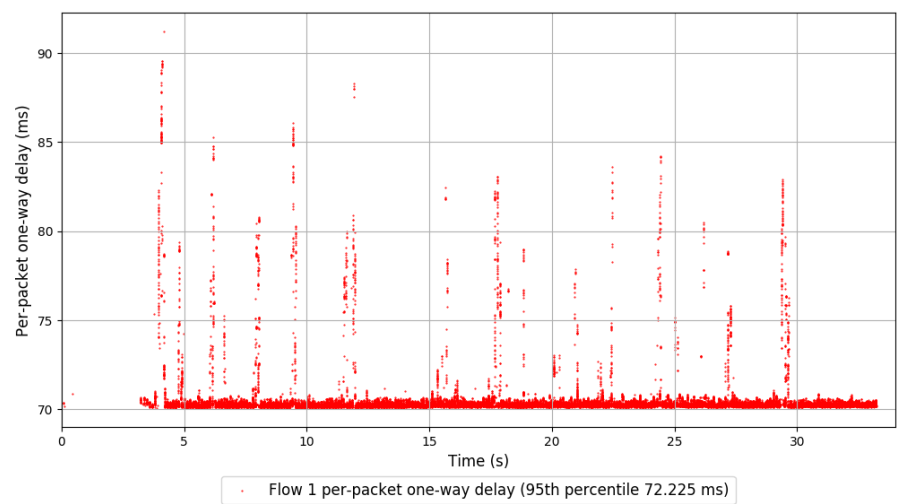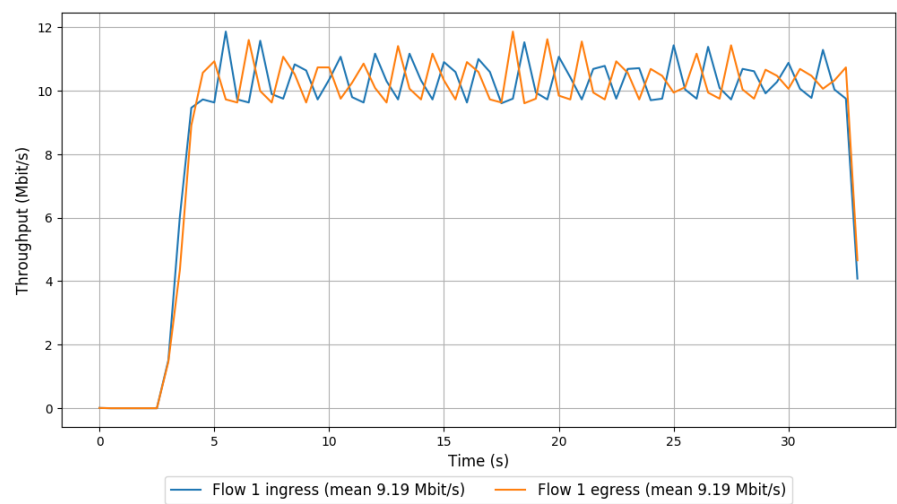
Run 3: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.19 Mbit/s) —— Flow 1 egress (mean 9.19 Mbit/s)

. Flow 1 per-packet one-way delay (95th percentile 72.225 ms)

```
Run 4: Statistics of KohoCC

Start at: Fri, 23 Jun 2017 18:18:25 +0000
End at: Fri, 23 Jun 2017 18:18:55 +0000
Local clock offset: 1.87 ms
Remote clock offset: -16.985 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 76.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 76.537 ms
Loss rate: 0.00%
```
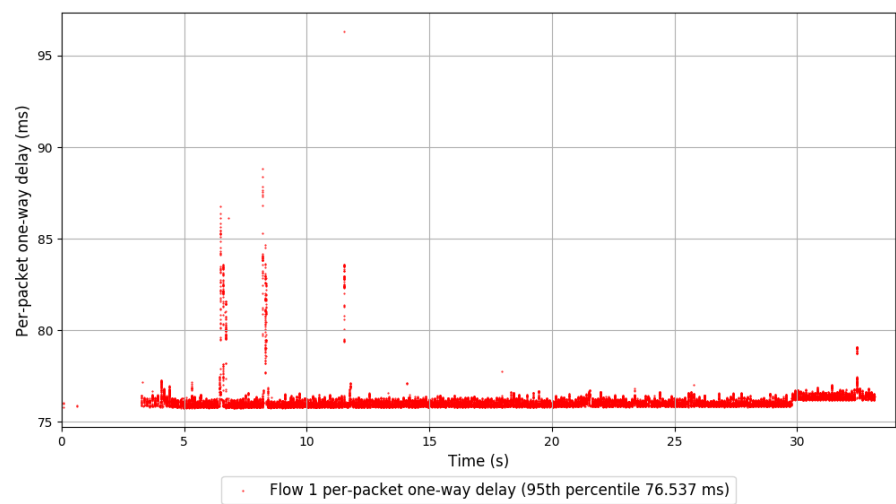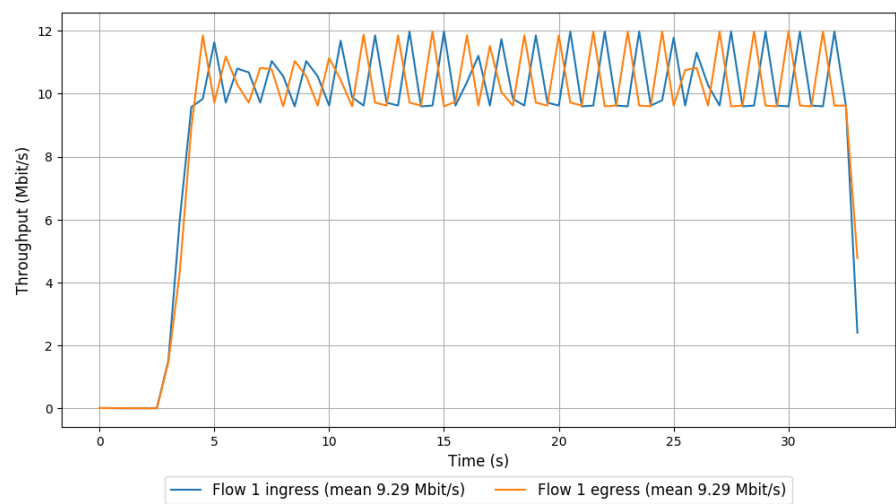
Run 4: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.29 Mbit/s)   Flow 1 egress (mean 9.29 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 76.537 ms)

```
Run 5: Statistics of KohoCC

Start at: Fri, 23 Jun 2017 18:35:54 +0000
End at: Fri, 23 Jun 2017 18:36:24 +0000
Local clock offset: 3.017 ms
Remote clock offset: -13.994 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 76.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 76.253 ms
Loss rate: 0.00%
```
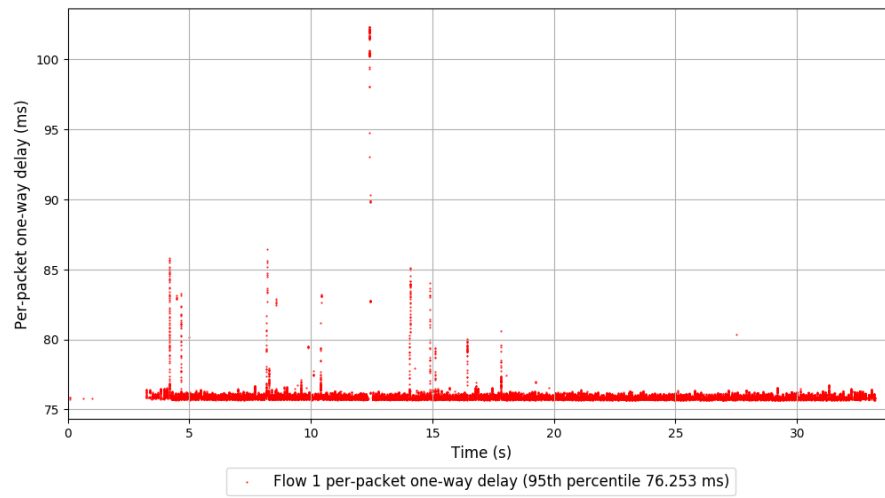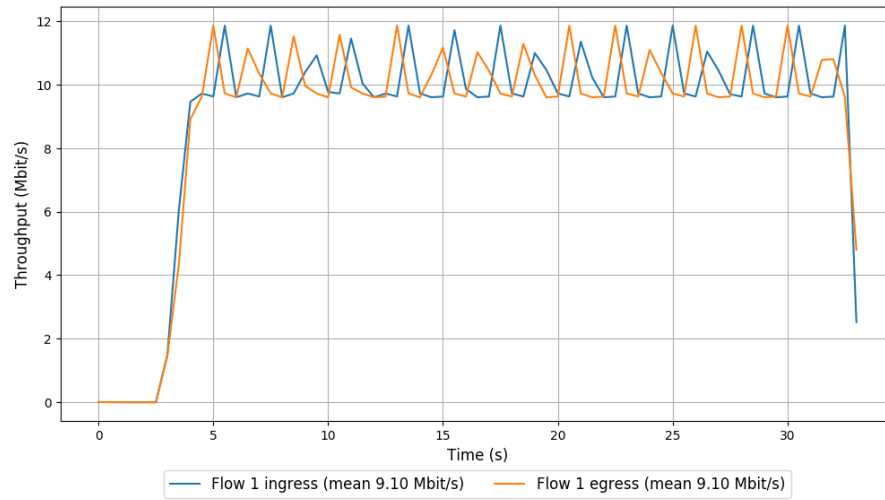
Run 5: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.10 Mbit/s) ——— Flow 1 egress (mean 9.10 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 76.253 ms)

```
Run 6: Statistics of KohoCC

Start at: Fri, 23 Jun 2017 18:53:22 +0000
End at: Fri, 23 Jun 2017 18:53:52 +0000
Local clock offset: -0.007 ms
Remote clock offset: -13.565 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 72.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 72.137 ms
Loss rate: 0.00%
```
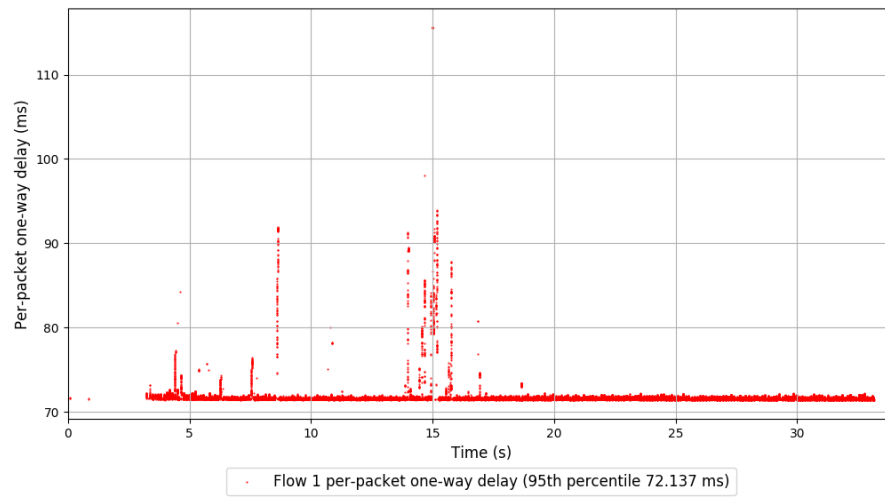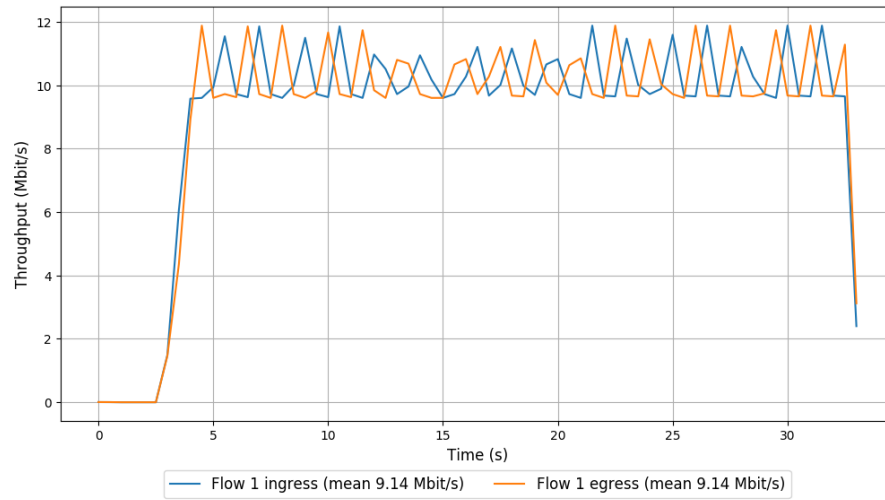
Run 6: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.14 Mbit/s) —— Flow 1 egress (mean 9.14 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 72.137 ms)

```
Run 7: Statistics of KohoCC

Start at: Fri, 23 Jun 2017 19:10:50 +0000
End at: Fri, 23 Jun 2017 19:11:20 +0000
Local clock offset: -0.975 ms
Remote clock offset: -11.91 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.92 Mbit/s
95th percentile per-packet one-way delay: 78.324 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 8.92 Mbit/s
95th percentile per-packet one-way delay: 78.324 ms
Loss rate: 0.02%
```
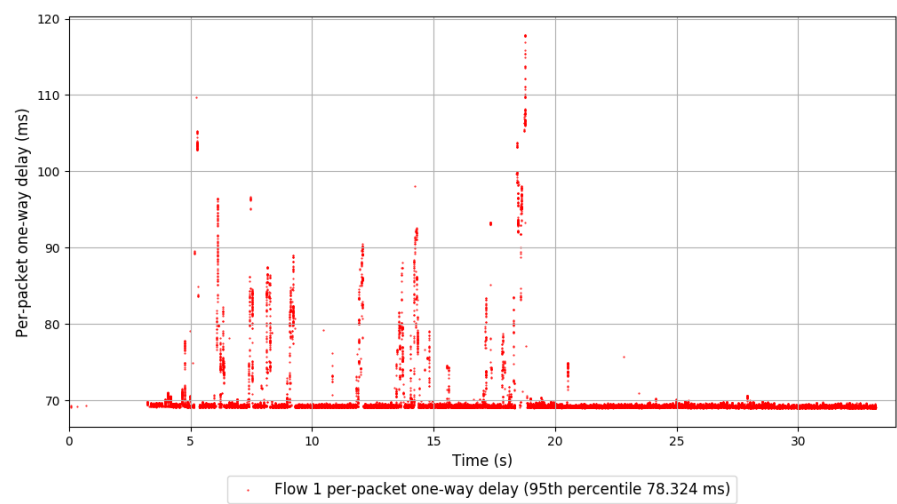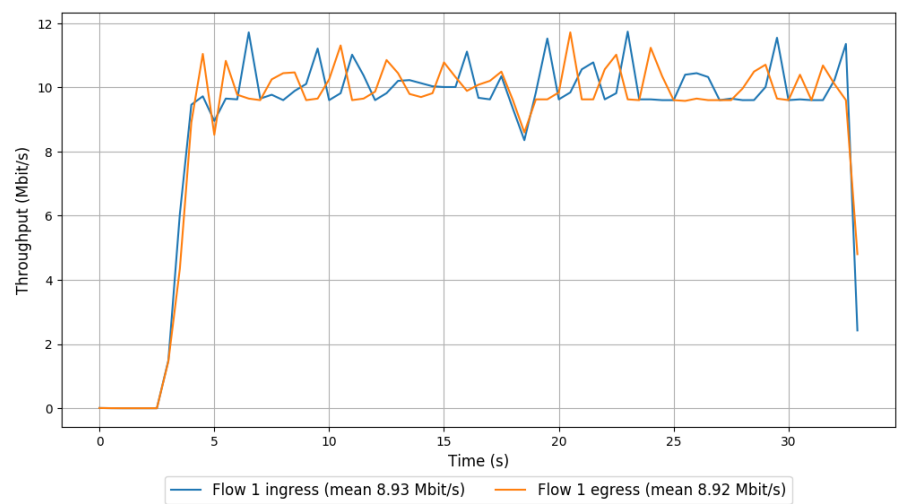
Run 7: Report of KohoCC — Data Link

Flow 1 ingress (mean 8.93 Mbit/s)   Flow 1 egress (mean 8.92 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 78.324 ms)

```
Run 8: Statistics of KohoCC

Start at: Fri, 23 Jun 2017 19:28:22 +0000
End at: Fri, 23 Jun 2017 19:28:52 +0000
Local clock offset: 0.384 ms
Remote clock offset: -8.504 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 66.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 66.978 ms
Loss rate: 0.00%
```
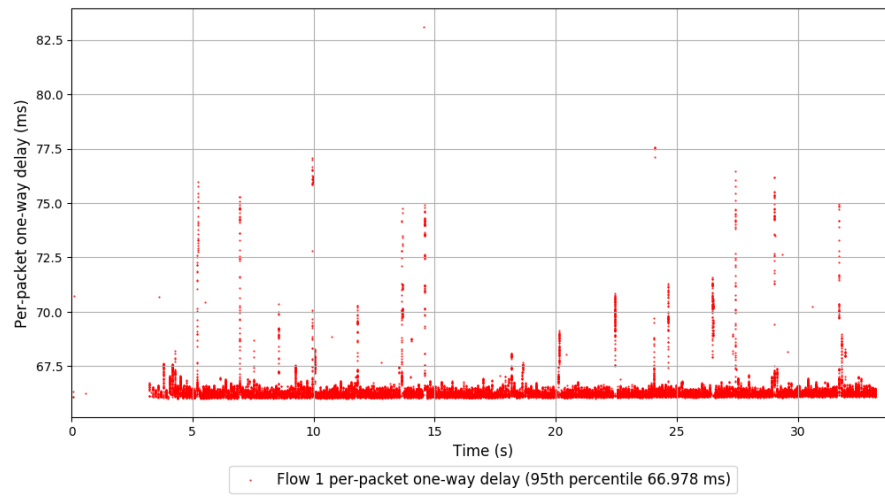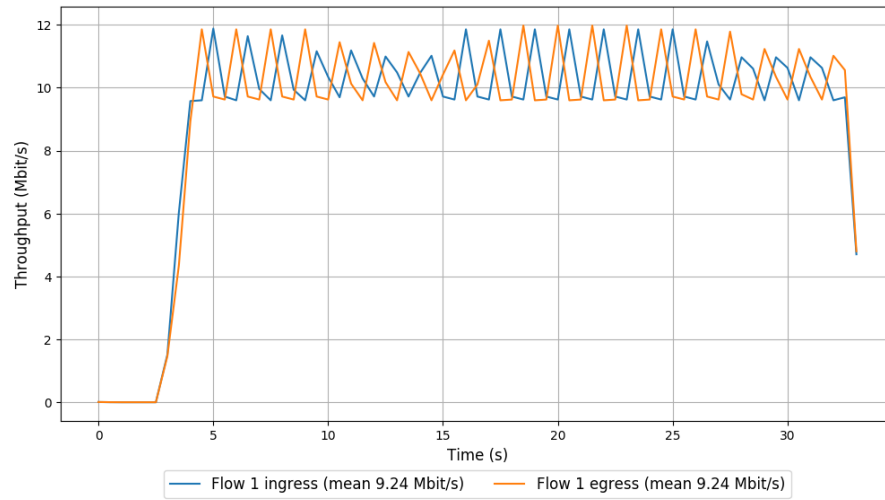
Run 8: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.24 Mbit/s) —— Flow 1 egress (mean 9.24 Mbit/s)

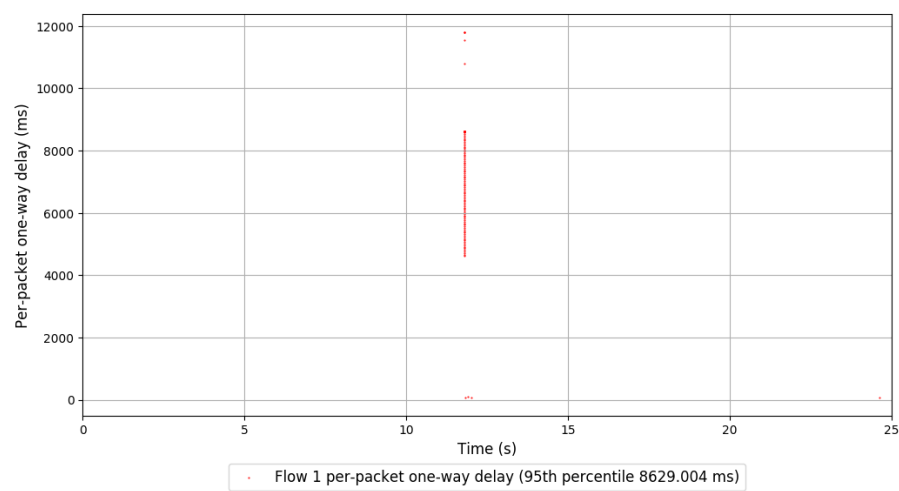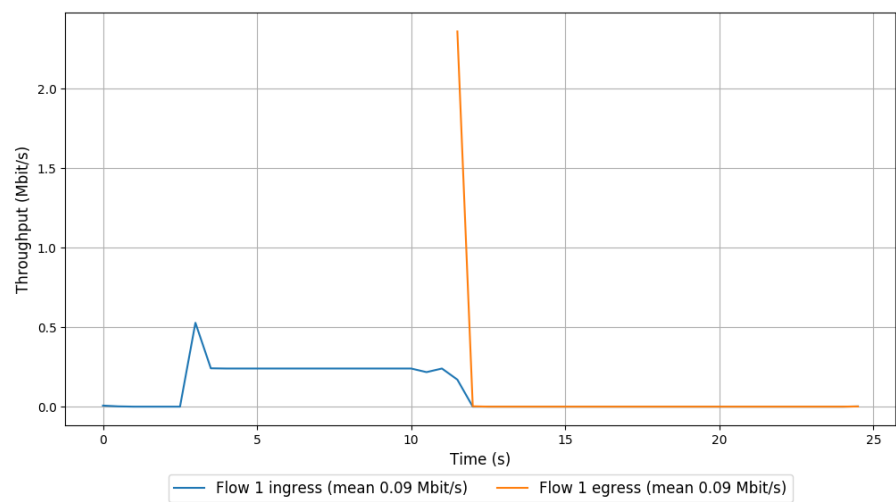Flow 1 per-packet one-way delay (95th percentile 66.978 ms)

```
Run 9: Statistics of KohoCC

Start at: Fri, 23 Jun 2017 19:45:51 +0000
End at: Fri, 23 Jun 2017 19:46:21 +0000
Local clock offset: 0.641 ms
Remote clock offset: -10.808 ms
```

Run 9: Report of KohoCC — Data Link

Flow 1 ingress (mean 0.09 Mbit/s)   Flow 1 egress (mean 0.09 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 8629.004 ms)

```
Run 10: Statistics of KohoCC

Start at: Fri, 23 Jun 2017 20:03:11 +0000
End at: Fri, 23 Jun 2017 20:03:41 +0000
Local clock offset: -2.596 ms
Remote clock offset: -9.887 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 65.252 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 65.252 ms
Loss rate: 0.00%
```
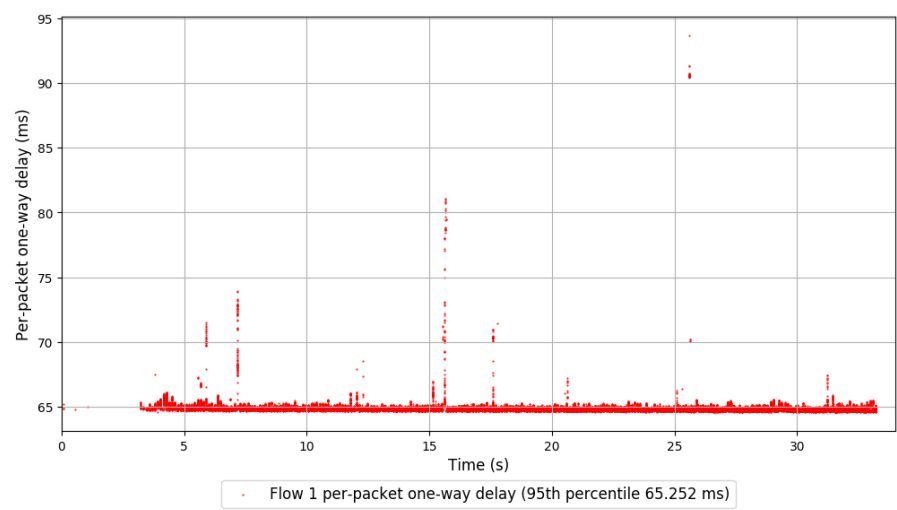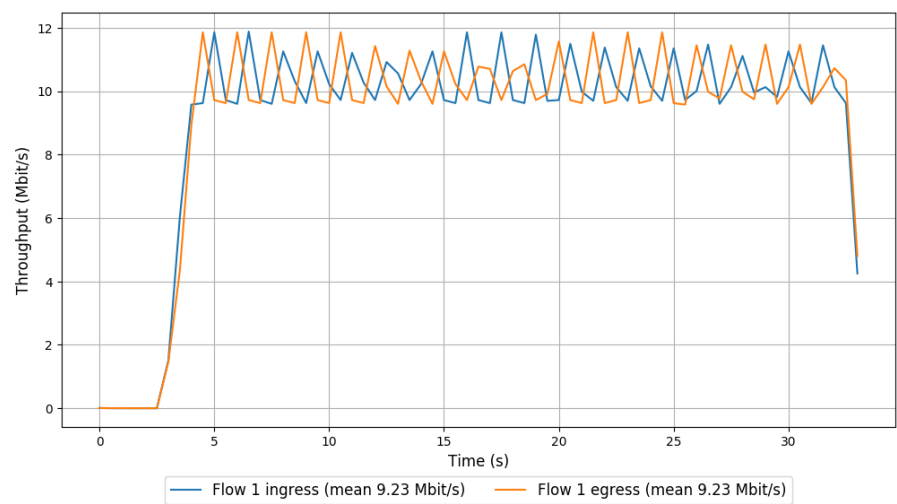
Run 10: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.23 Mbit/s) ——— Flow 1 egress (mean 9.23 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 65.252 ms)

```
Run 1: Statistics of LEDBAT

Start at: Fri, 23 Jun 2017 17:22:36 +0000
End at: Fri, 23 Jun 2017 17:23:06 +0000
Local clock offset: -3.728 ms
Remote clock offset: -13.759 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 78.480 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 21.48 Mbit/s
95th percentile per-packet one-way delay: 78.480 ms
Loss rate: 0.01%
```
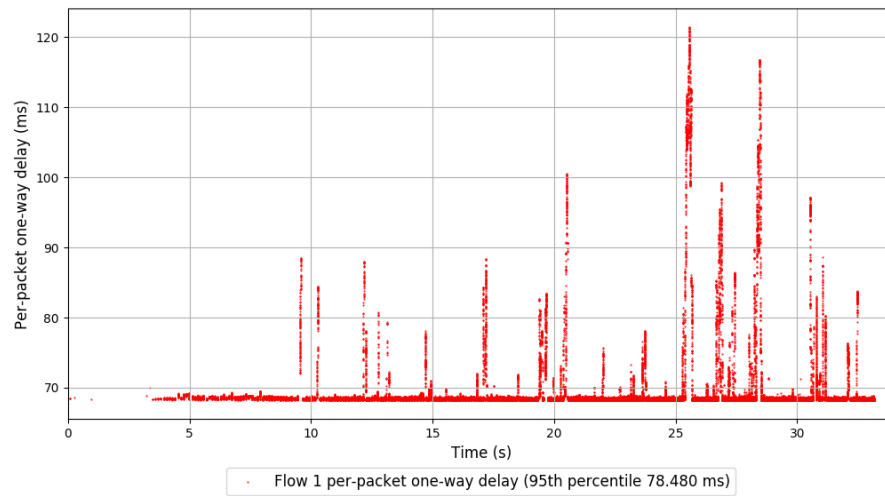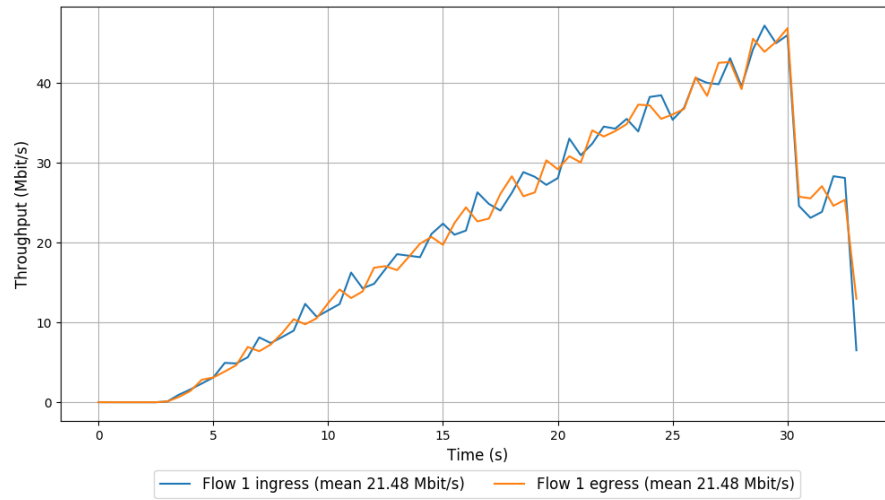
Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 21.48 Mbit/s)   Flow 1 egress (mean 21.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 78.480 ms)

```
Run 2: Statistics of LEDBAT

Start at: Fri, 23 Jun 2017 17:40:11 +0000
End at: Fri, 23 Jun 2017 17:40:41 +0000
Local clock offset: -4.082 ms
Remote clock offset: -14.618 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.96 Mbit/s
95th percentile per-packet one-way delay: 70.708 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 16.96 Mbit/s
95th percentile per-packet one-way delay: 70.708 ms
Loss rate: 0.02%
```
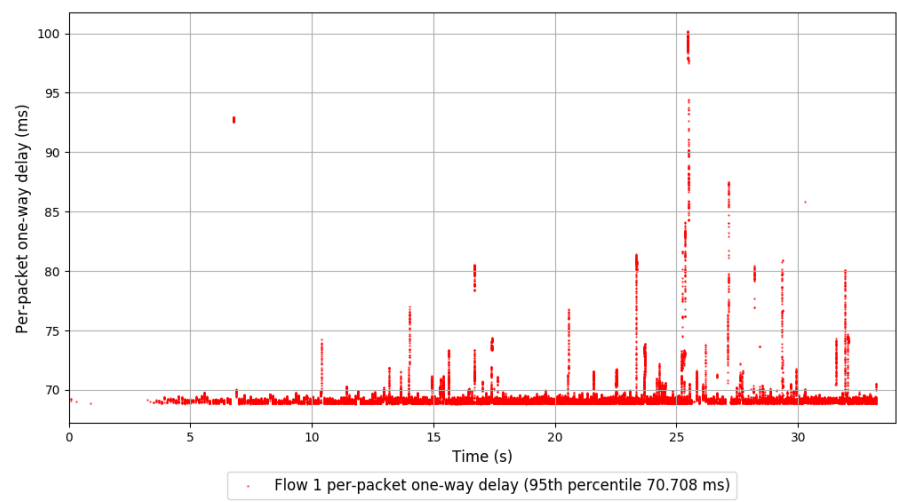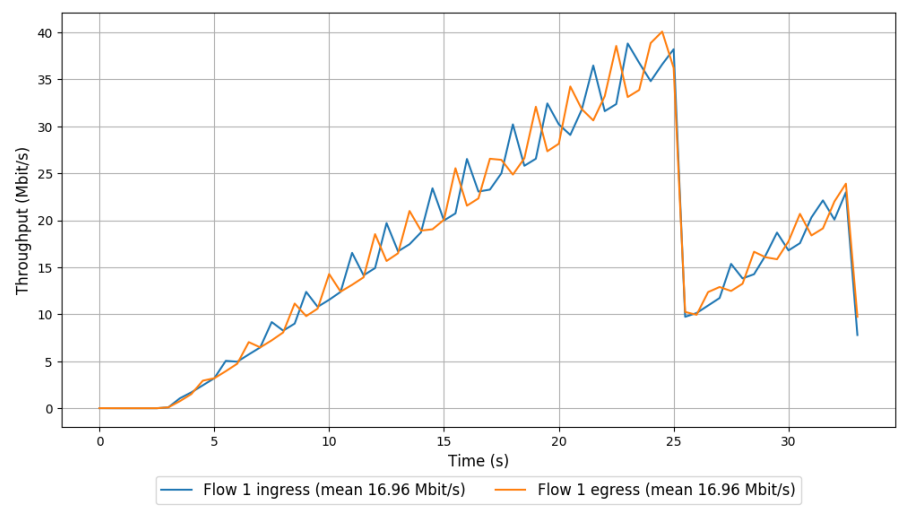
Run 2: Report of LEDBAT — Data Link
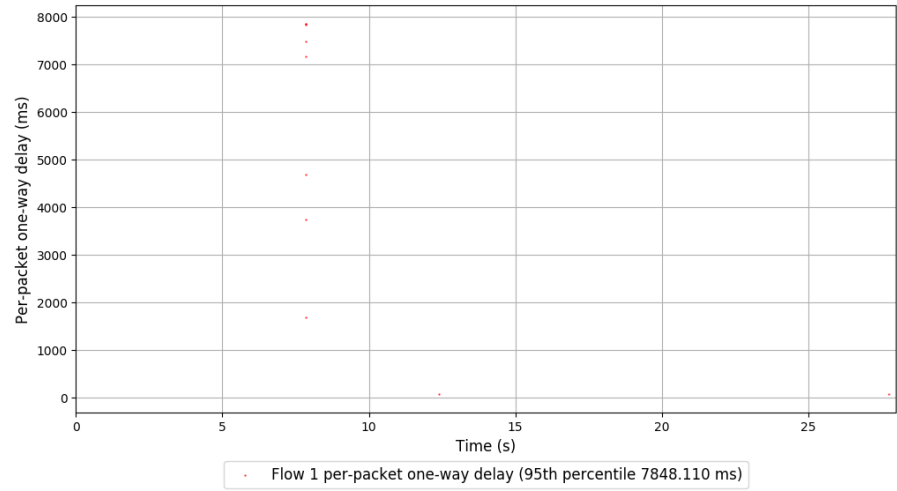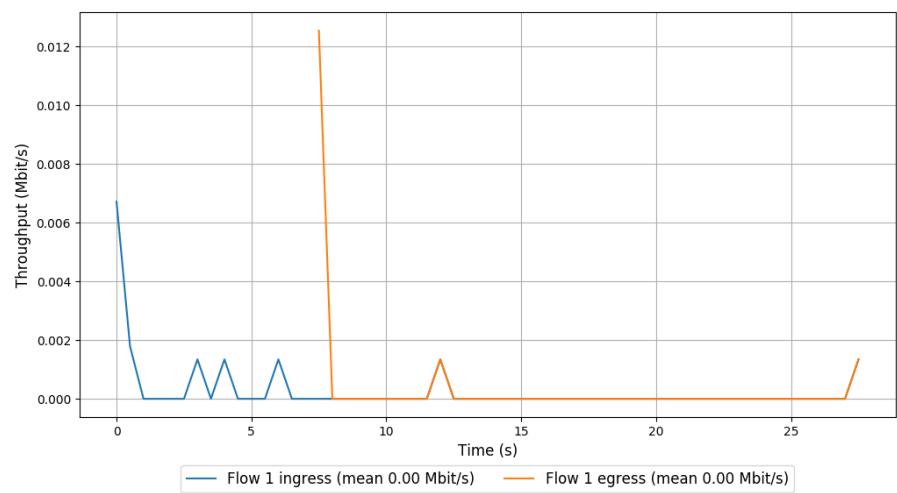
Run 3: Statistics of LEDBAT

Start at: Fri, 23 Jun 2017 17:57:27 +0000
End at: Fri, 23 Jun 2017 17:57:57 +0000
Local clock offset: -4.597 ms
Remote clock offset: -16.692 ms

Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 0.00 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 7848.110 ms)

```
Run 4: Statistics of LEDBAT

Start at: Fri, 23 Jun 2017 18:15:01 +0000
End at: Fri, 23 Jun 2017 18:15:31 +0000
Local clock offset: 0.822 ms
Remote clock offset: -16.994 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 78.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 78.221 ms
Loss rate: 0.00%
```
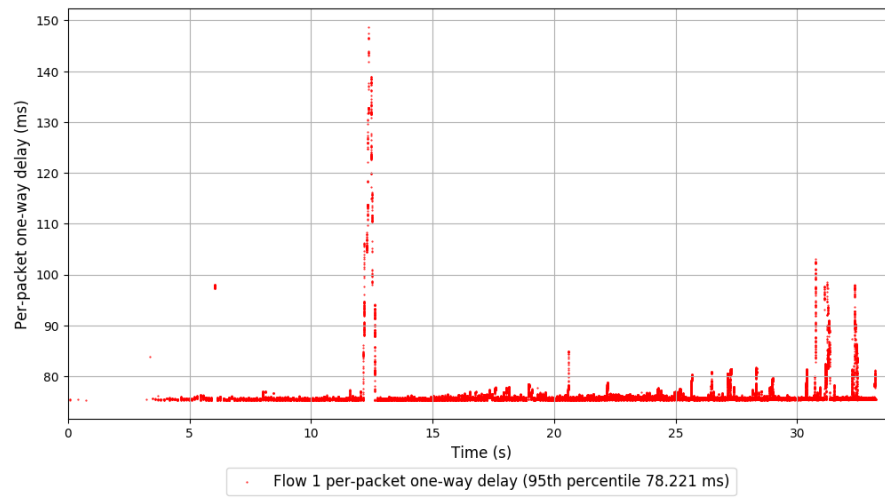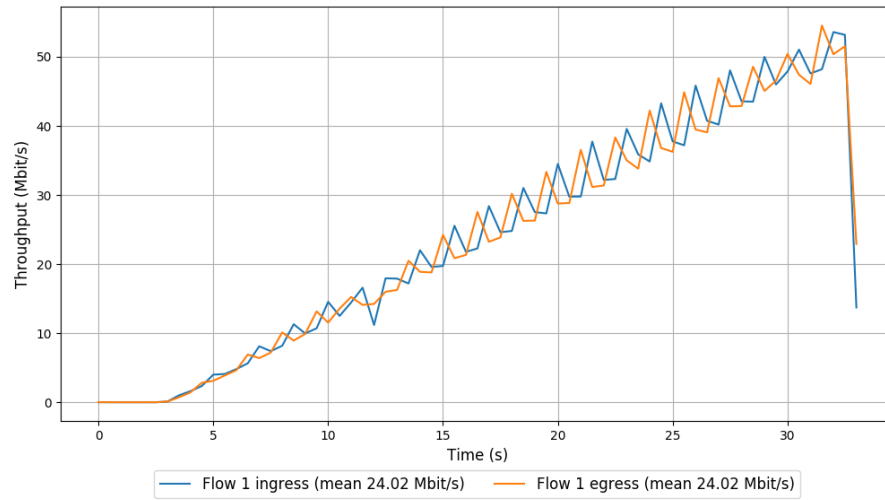
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 24.02 Mbit/s) — Flow 1 egress (mean 24.02 Mbit/s)

. Flow 1 per-packet one-way delay (95th percentile 78.221 ms)

```
Run 5: Statistics of LEDBAT

Start at: Fri, 23 Jun 2017 18:32:24 +0000
End at: Fri, 23 Jun 2017 18:32:54 +0000
Local clock offset: 3.054 ms
Remote clock offset: -15.095 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 84.691 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 84.691 ms
Loss rate: 0.00%
```
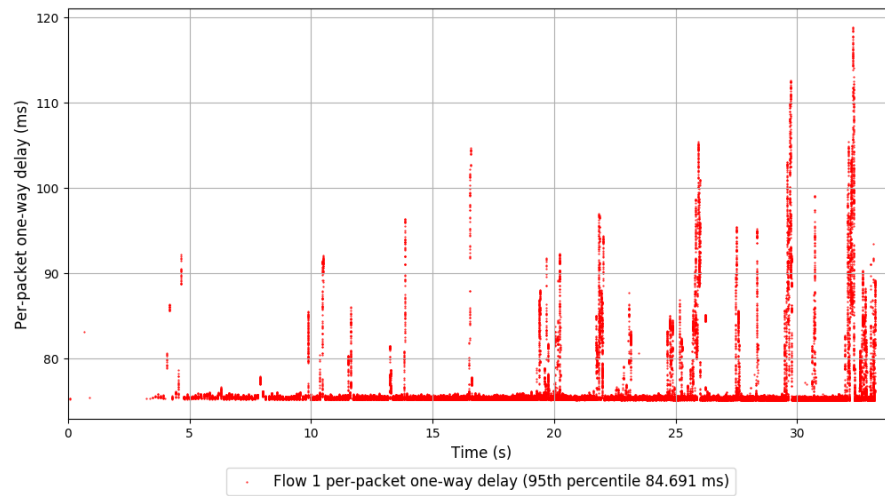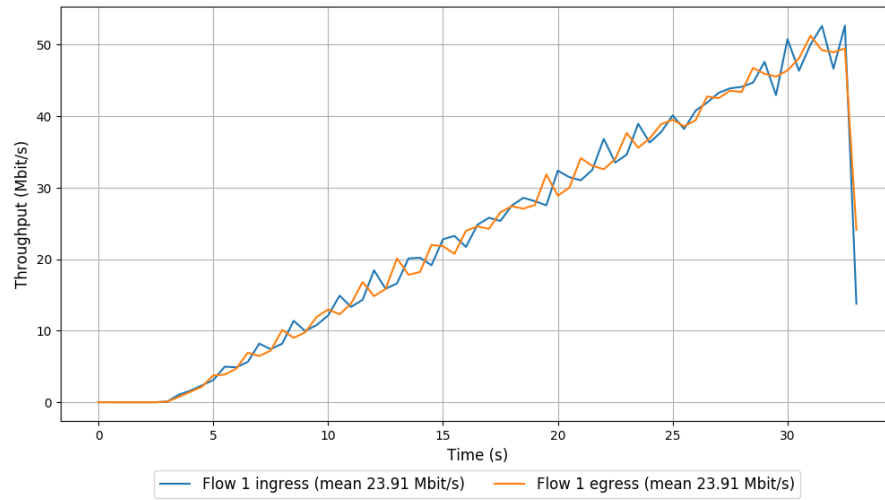
Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 23.91 Mbit/s) — Flow 1 egress (mean 23.91 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 84.691 ms)

```
Run 6: Statistics of LEDBAT

Start at: Fri, 23 Jun 2017 18:50:00 +0000
End at: Fri, 23 Jun 2017 18:50:30 +0000
Local clock offset: 0.438 ms
Remote clock offset: -13.776 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 5037.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 5037.313 ms
Loss rate: 0.00%
```
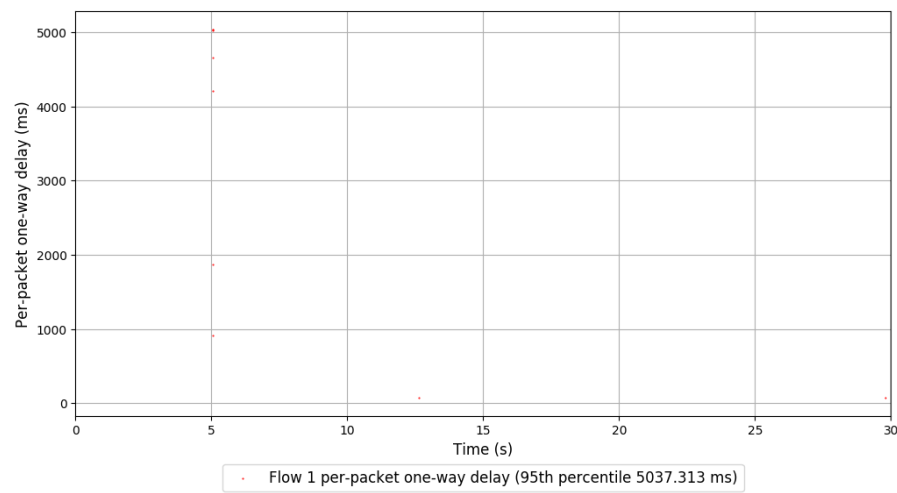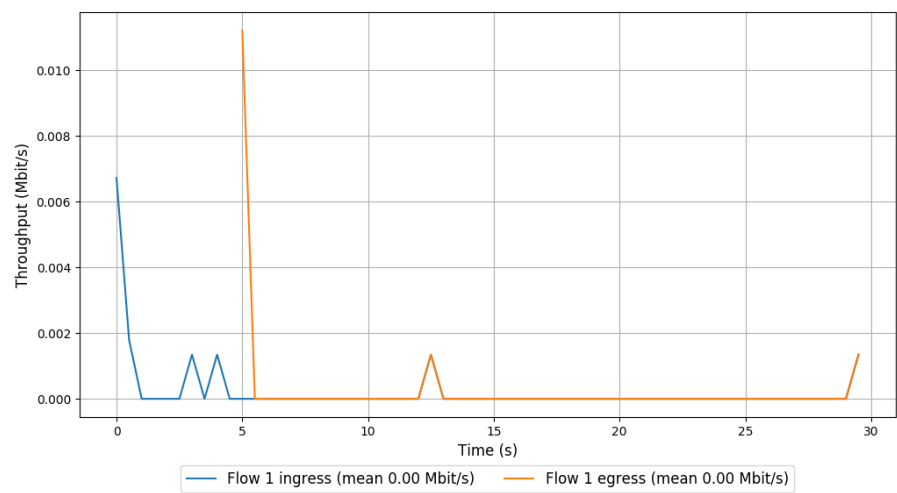
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 0.00 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 5037.313 ms)

```
Run 7: Statistics of LEDBAT

Start at: Fri, 23 Jun 2017 19:07:20 +0000
End at: Fri, 23 Jun 2017 19:07:50 +0000
Local clock offset: -0.791 ms
Remote clock offset: -12.44 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.55 Mbit/s
95th percentile per-packet one-way delay: 72.577 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 12.55 Mbit/s
95th percentile per-packet one-way delay: 72.577 ms
Loss rate: 0.07%
```
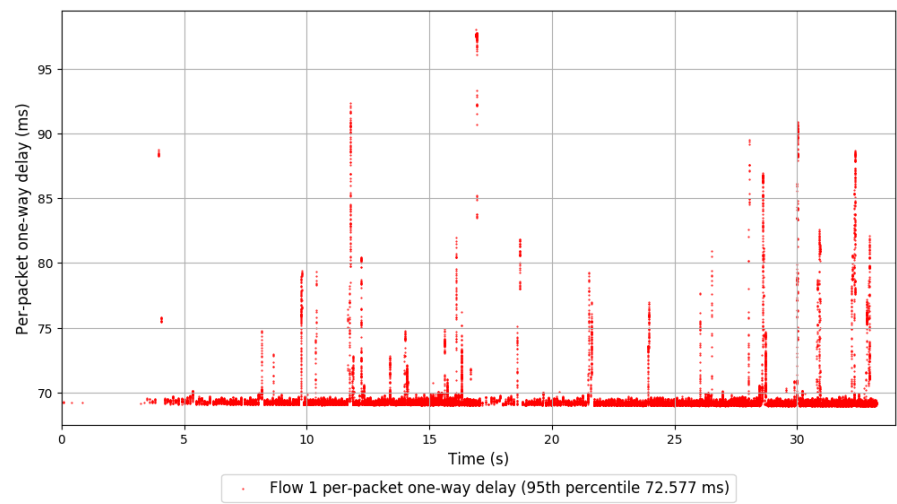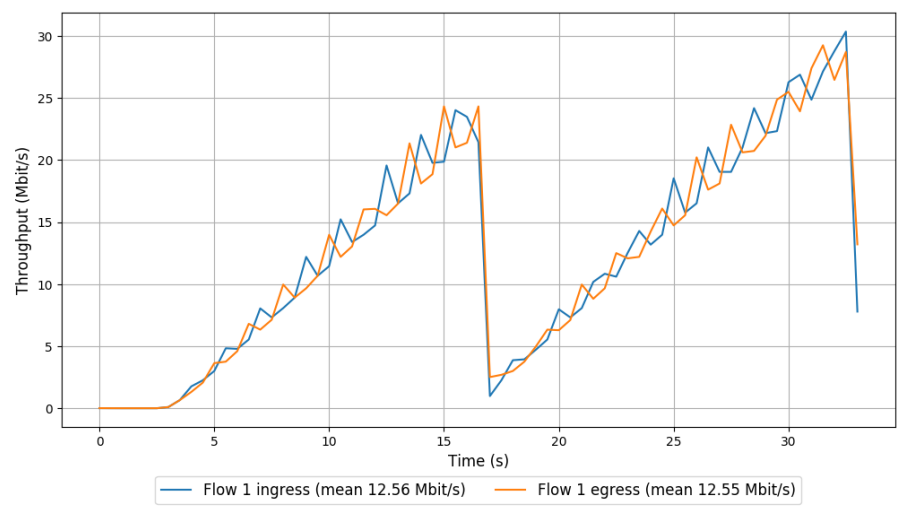
Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 12.56 Mbit/s)   Flow 1 egress (mean 12.55 Mbit/s)

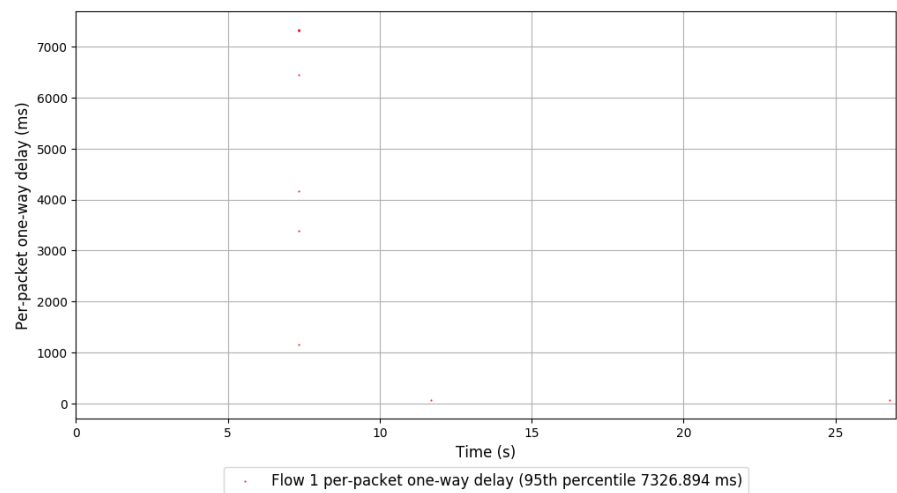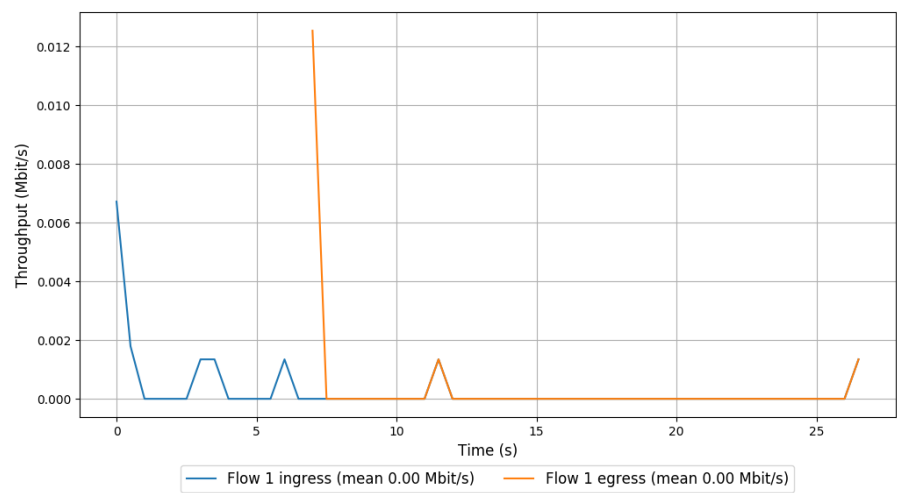Flow 1 per-packet one-way delay (95th percentile 72.577 ms)

```
Run 8: Statistics of LEDBAT

Start at: Fri, 23 Jun 2017 19:25:01 +0000
End at: Fri, 23 Jun 2017 19:25:31 +0000
Local clock offset: 0.233 ms
Remote clock offset: -8.91 ms
```

Run 8: Report of LEDBAT — Data Link
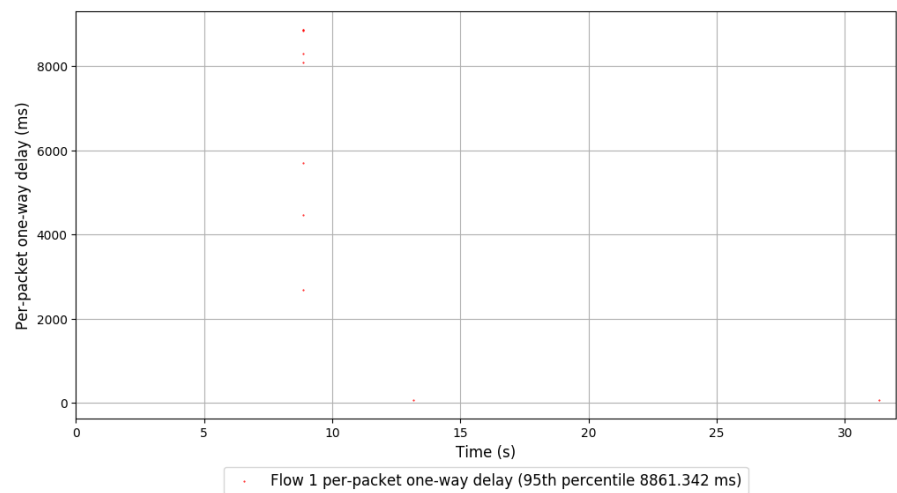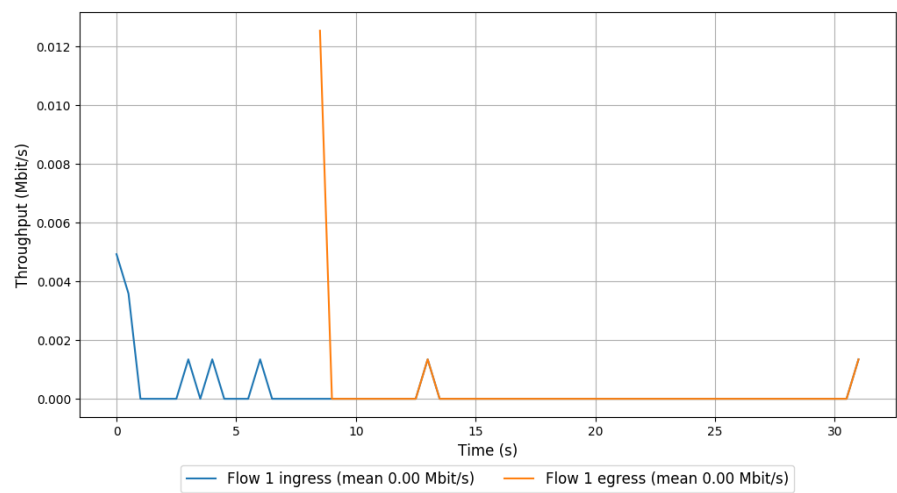
Run 9: Statistics of LEDBAT

Start at: Fri, 23 Jun 2017 19:42:30 +0000
End at: Fri, 23 Jun 2017 19:43:00 +0000
Local clock offset: 0.507 ms
Remote clock offset: -10.879 ms

Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 0.00 Mbit/s) — Flow 1 egress (mean 0.00 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 8861.342 ms)

```
Run 10: Statistics of LEDBAT

Start at: Fri, 23 Jun 2017 19:59:47 +0000
End at: Fri, 23 Jun 2017 20:00:17 +0000
Local clock offset: -2.245 ms
Remote clock offset: -10.17 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:38:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 71.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 71.455 ms
Loss rate: 0.00%
```
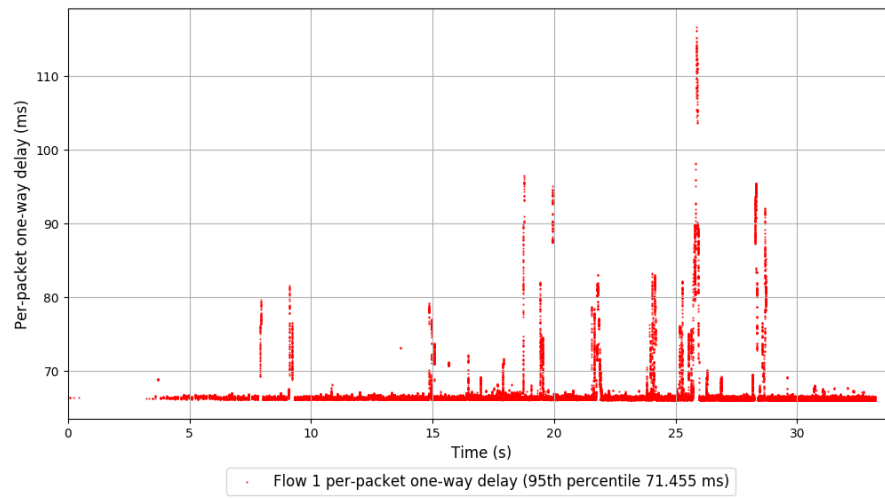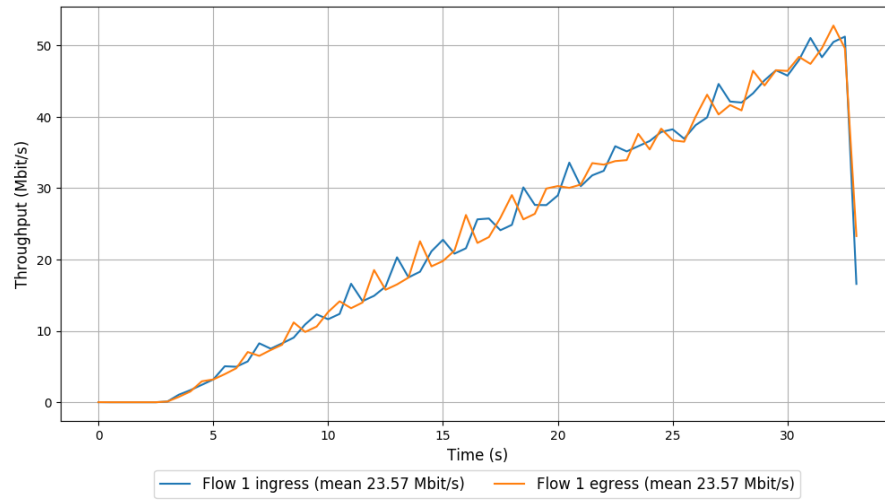
Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 23.57 Mbit/s) ———— Flow 1 egress (mean 23.57 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 71.455 ms)

```
Run 1: Statistics of PCC

Start at: Fri, 23 Jun 2017 17:33:07 +0000
End at: Fri, 23 Jun 2017 17:33:37 +0000
Local clock offset: -3.78 ms
Remote clock offset: -14.585 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.00 Mbit/s
95th percentile per-packet one-way delay: 478.242 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.00 Mbit/s
95th percentile per-packet one-way delay: 478.242 ms
Loss rate: 0.01%
```
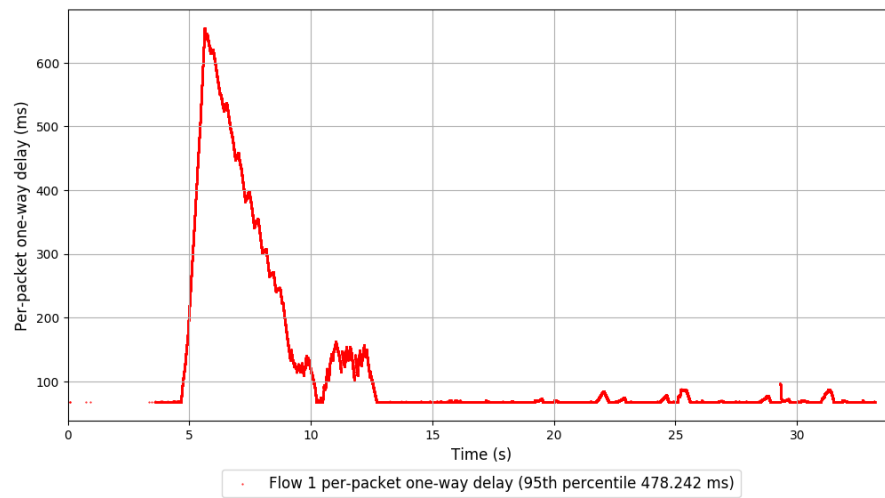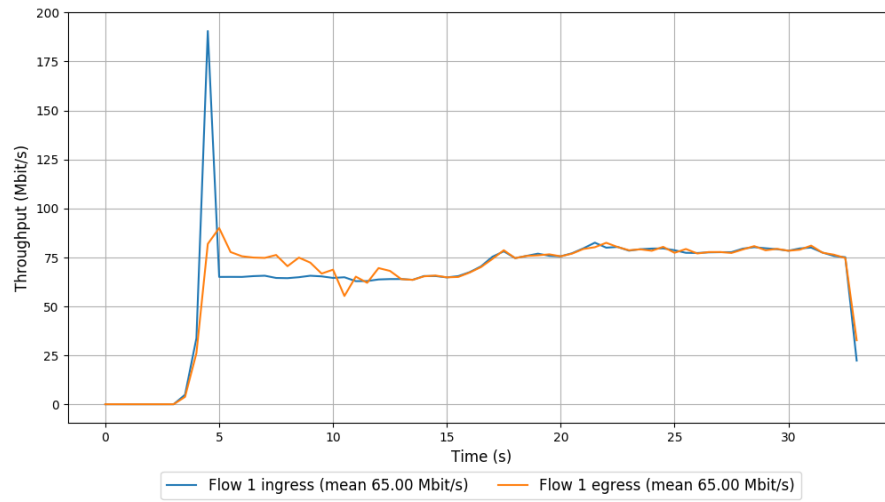
Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: Fri, 23 Jun 2017 17:50:30 +0000
End at: Fri, 23 Jun 2017 17:51:00 +0000
Local clock offset: -4.417 ms
Remote clock offset: -16.115 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 295.730 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.57 Mbit/s
95th percentile per-packet one-way delay: 295.730 ms
Loss rate: 0.01%
```
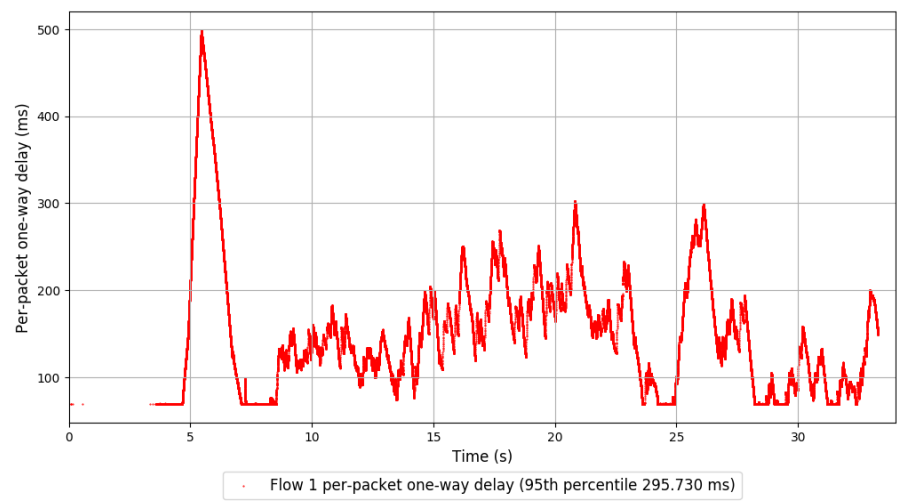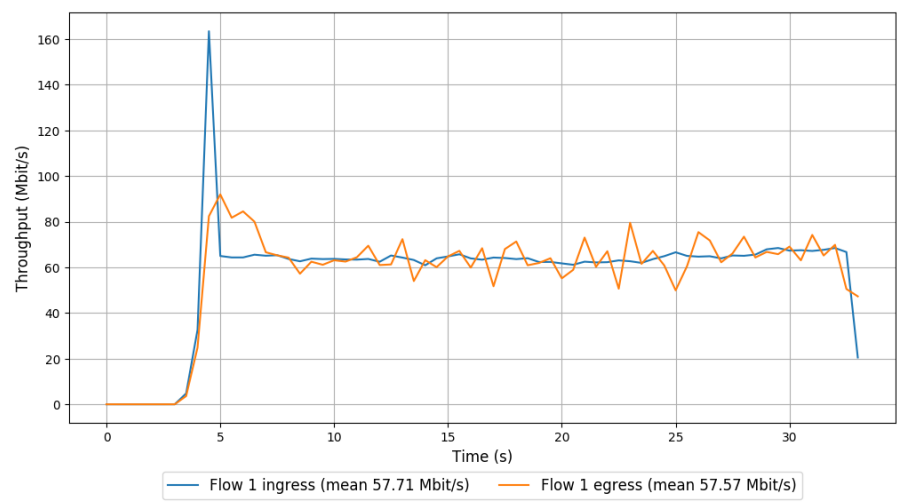
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 57.71 Mbit/s) —— Flow 1 egress (mean 57.57 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 295.730 ms)

```
Run 3: Statistics of PCC

Start at: Fri, 23 Jun 2017 18:07:58 +0000
End at: Fri, 23 Jun 2017 18:08:28 +0000
Local clock offset: -3.201 ms
Remote clock offset: -17.494 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.86 Mbit/s
95th percentile per-packet one-way delay: 461.773 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.86 Mbit/s
95th percentile per-packet one-way delay: 461.773 ms
Loss rate: 0.01%
```
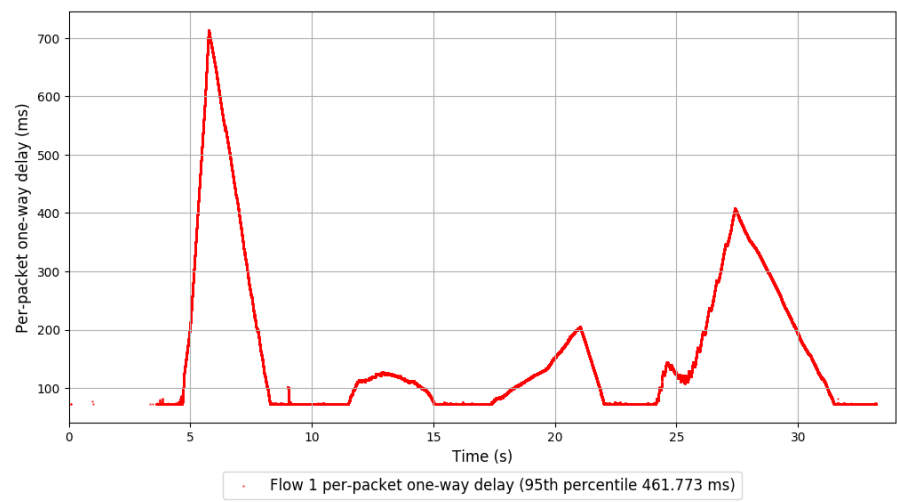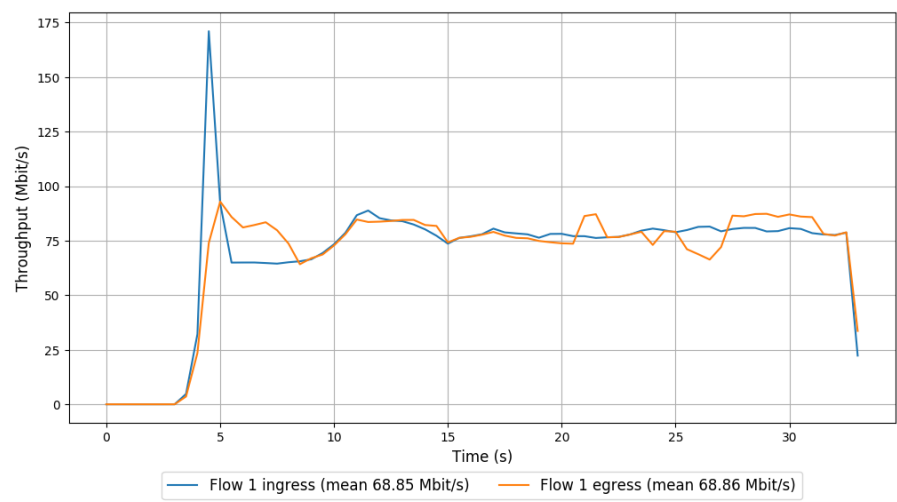
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 68.85 Mbit/s) Flow 1 egress (mean 68.86 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 461.773 ms)

```
Run 4: Statistics of PCC

Start at: Fri, 23 Jun 2017 18:25:26 +0000
End at: Fri, 23 Jun 2017 18:25:56 +0000
Local clock offset: 2.98 ms
Remote clock offset: -16.47 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 549.878 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 62.91 Mbit/s
95th percentile per-packet one-way delay: 549.878 ms
Loss rate: 0.01%
```
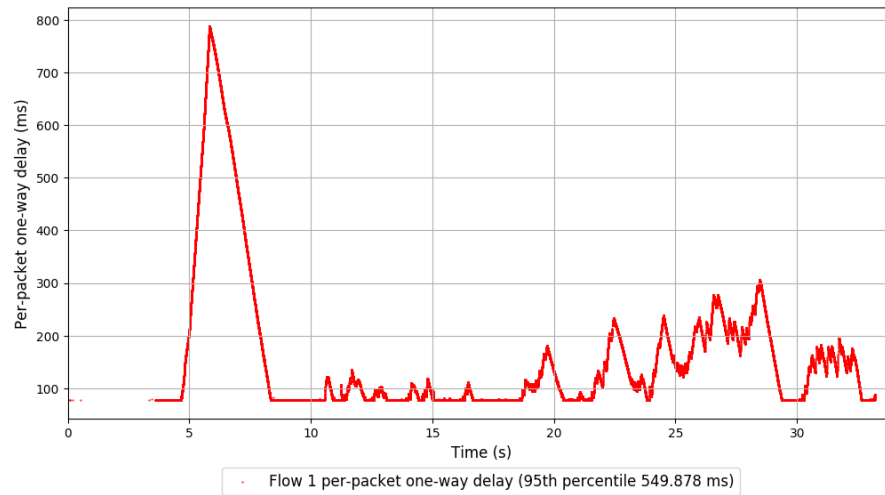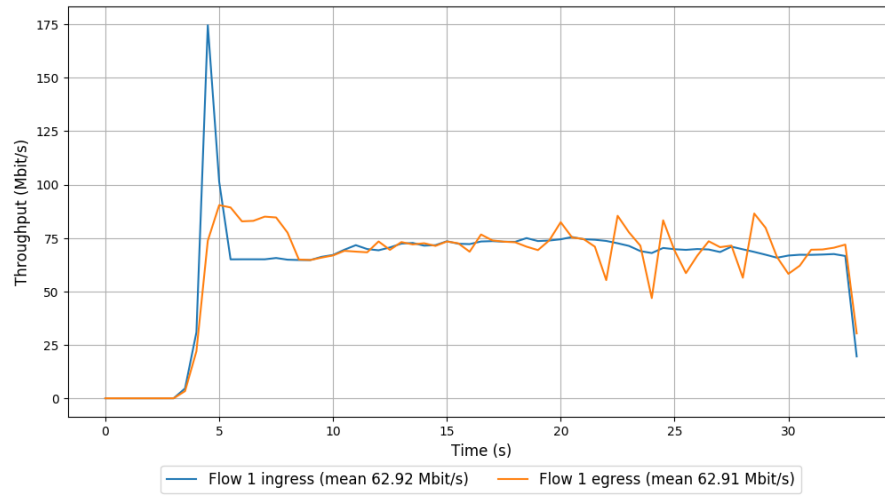
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 62.92 Mbit/s)   Flow 1 egress (mean 62.91 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 549.878 ms)

```
Run 5: Statistics of PCC

Start at: Fri, 23 Jun 2017 18:42:59 +0000
End at: Fri, 23 Jun 2017 18:43:29 +0000
Local clock offset: 1.876 ms
Remote clock offset: -14.315 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 364.161 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 364.161 ms
Loss rate: 0.02%
```
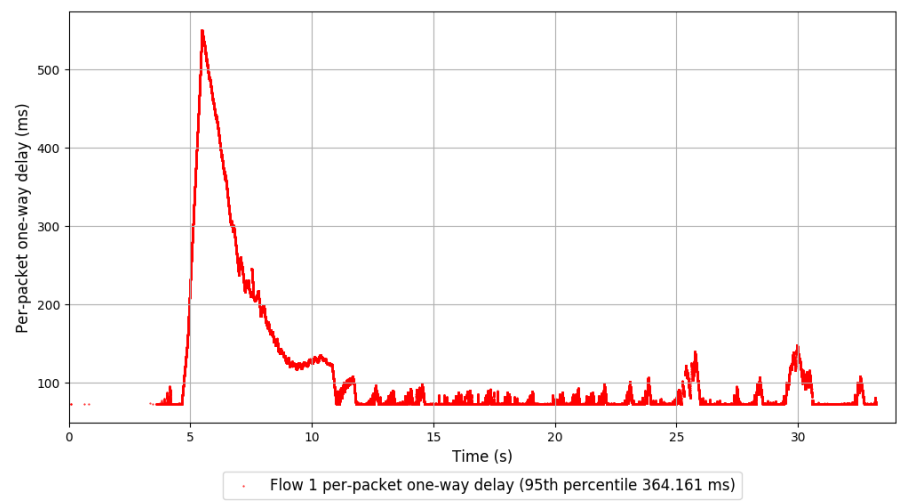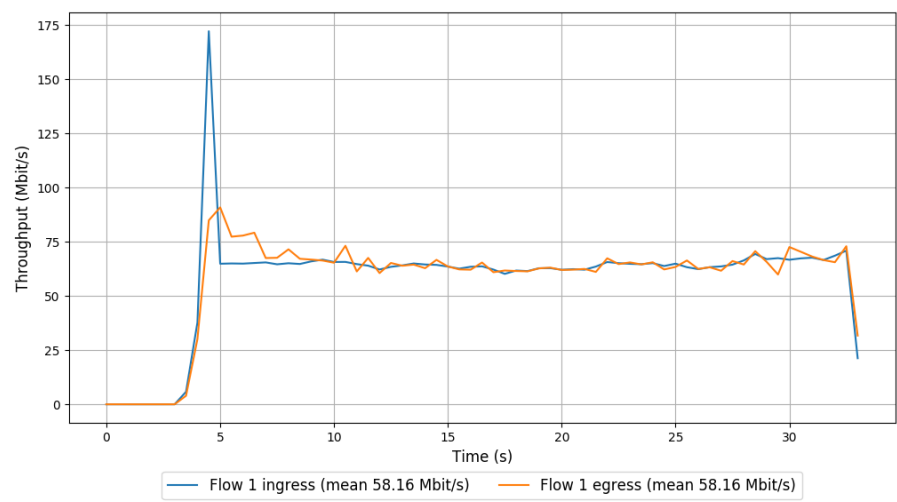
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 58.16 Mbit/s) —— Flow 1 egress (mean 58.16 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 364.161 ms)

```
Run 6: Statistics of PCC

Start at: Fri, 23 Jun 2017 19:00:20 +0000
End at: Fri, 23 Jun 2017 19:00:50 +0000
Local clock offset: -0.532 ms
Remote clock offset: -13.356 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.87 Mbit/s
95th percentile per-packet one-way delay: 664.208 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 66.87 Mbit/s
95th percentile per-packet one-way delay: 664.208 ms
Loss rate: 0.30%
```
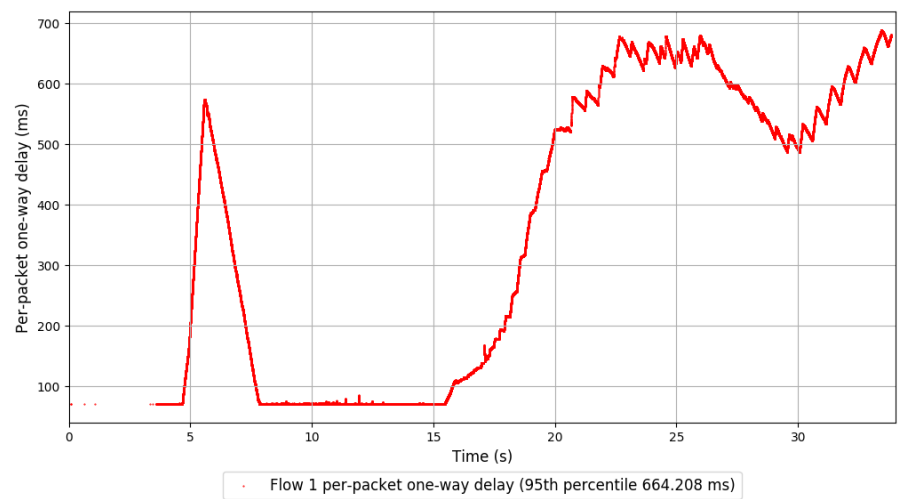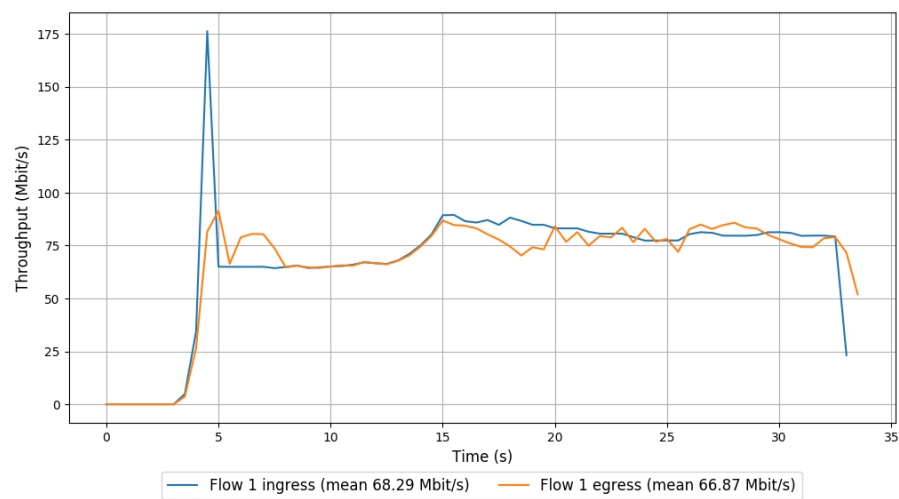
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 68.29 Mbit/s) — Flow 1 egress (mean 66.87 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 664.208 ms)

```
Run 7: Statistics of PCC

Start at: Fri, 23 Jun 2017 19:17:52 +0000
End at: Fri, 23 Jun 2017 19:18:22 +0000
Local clock offset: -0.455 ms
Remote clock offset: -10.403 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.92 Mbit/s
95th percentile per-packet one-way delay: 343.362 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 65.92 Mbit/s
95th percentile per-packet one-way delay: 343.362 ms
Loss rate: 0.16%
```
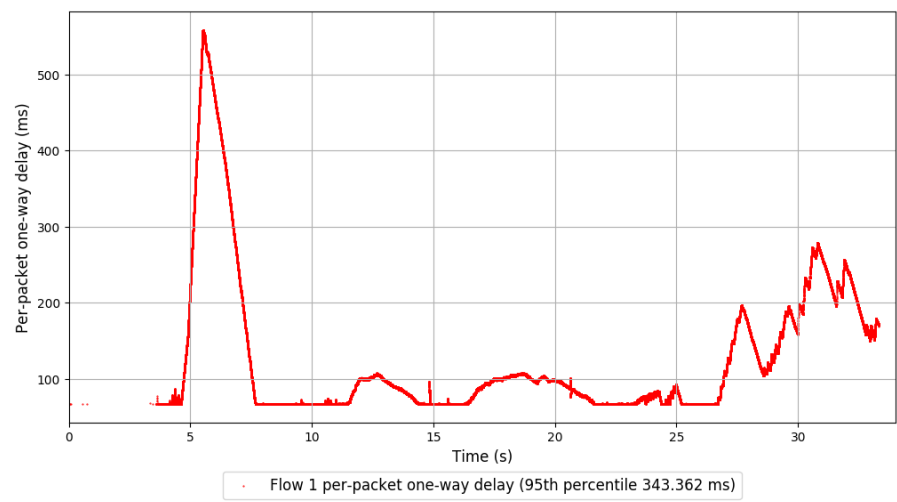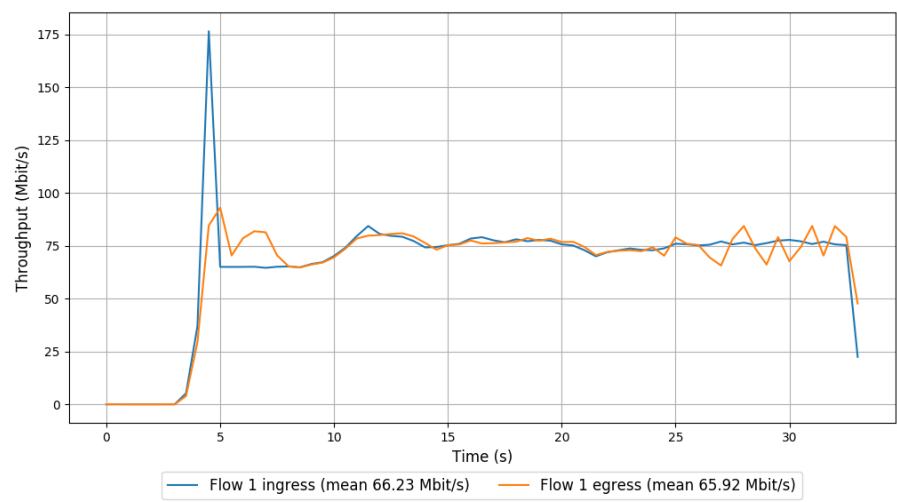
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 66.23 Mbit/s) — Flow 1 egress (mean 65.92 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 343.362 ms)

```
Run 8: Statistics of PCC

Start at: Fri, 23 Jun 2017 19:35:34 +0000
End at: Fri, 23 Jun 2017 19:36:04 +0000
Local clock offset: 0.473 ms
Remote clock offset: -9.592 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.08 Mbit/s
95th percentile per-packet one-way delay: 317.640 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 66.08 Mbit/s
95th percentile per-packet one-way delay: 317.640 ms
Loss rate: 0.25%
```
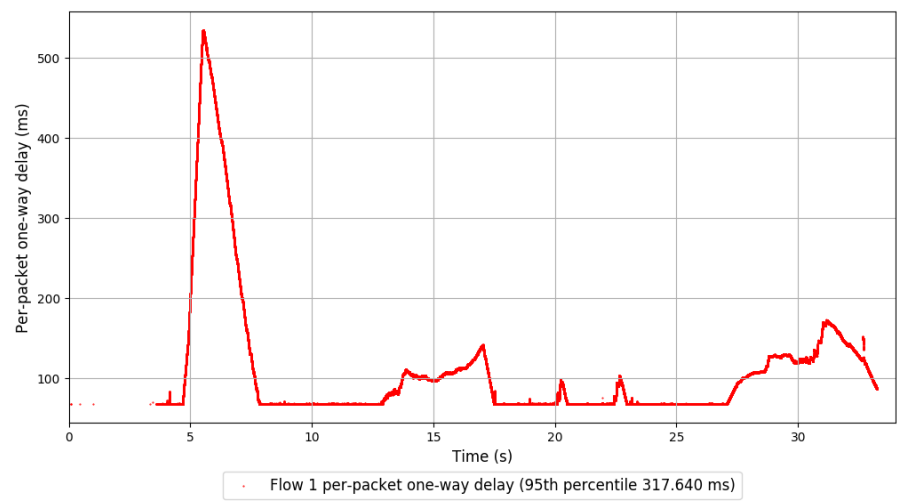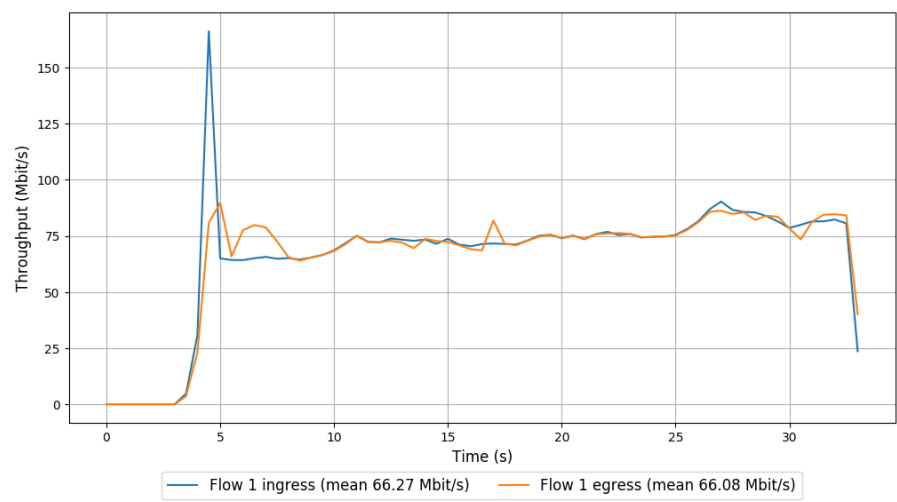
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 66.27 Mbit/s)   Flow 1 egress (mean 66.08 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 317.640 ms)

```
Run 9: Statistics of PCC

Start at: Fri, 23 Jun 2017 19:52:44 +0000
End at: Fri, 23 Jun 2017 19:53:14 +0000
Local clock offset: -0.93 ms
Remote clock offset: -11.526 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.74 Mbit/s
95th percentile per-packet one-way delay: 418.398 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 61.74 Mbit/s
95th percentile per-packet one-way delay: 418.398 ms
Loss rate: 0.24%
```
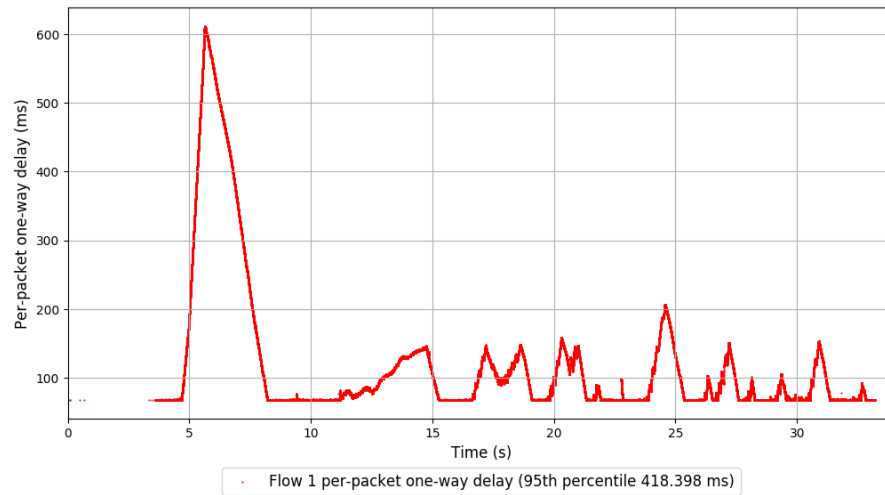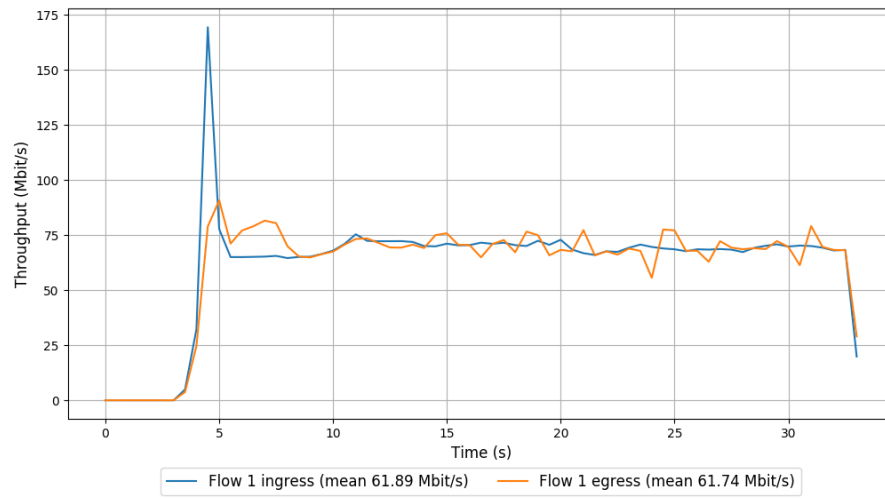
Run 9: Report of PCC — Data Link

```
Run 10: Statistics of PCC

Start at: Fri, 23 Jun 2017 20:10:15 +0000
End at: Fri, 23 Jun 2017 20:10:45 +0000
Local clock offset: -2.807 ms
Remote clock offset: -8.858 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.66 Mbit/s
95th percentile per-packet one-way delay: 359.043 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 66.66 Mbit/s
95th percentile per-packet one-way delay: 359.043 ms
Loss rate: 0.02%
```
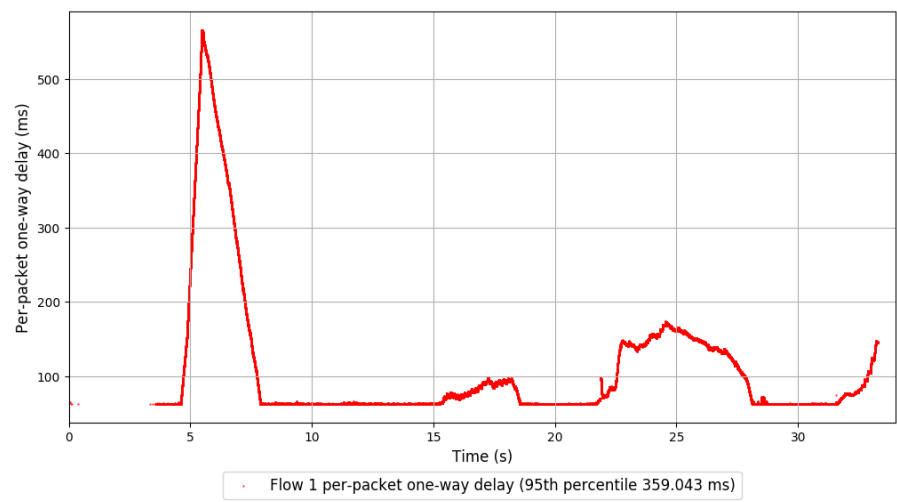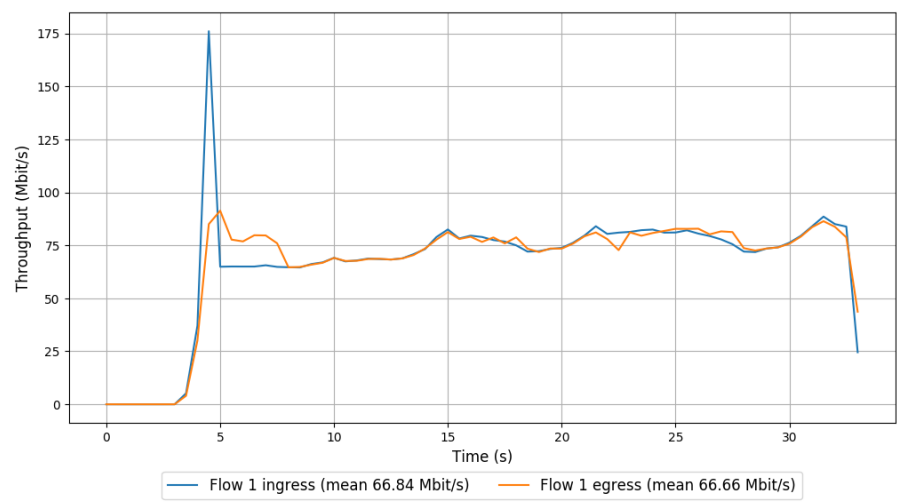
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 66.84 Mbit/s) —— Flow 1 egress (mean 66.66 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 359.043 ms)

```
Run 1: Statistics of QUIC Cubic (toy)

Start at: Fri, 23 Jun 2017 17:19:02 +0000
End at: Fri, 23 Jun 2017 17:19:32 +0000
Local clock offset: -3.418 ms
Remote clock offset: -14.266 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.64 Mbit/s
95th percentile per-packet one-way delay: 95.052 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 14.64 Mbit/s
95th percentile per-packet one-way delay: 95.052 ms
Loss rate: 0.02%
```
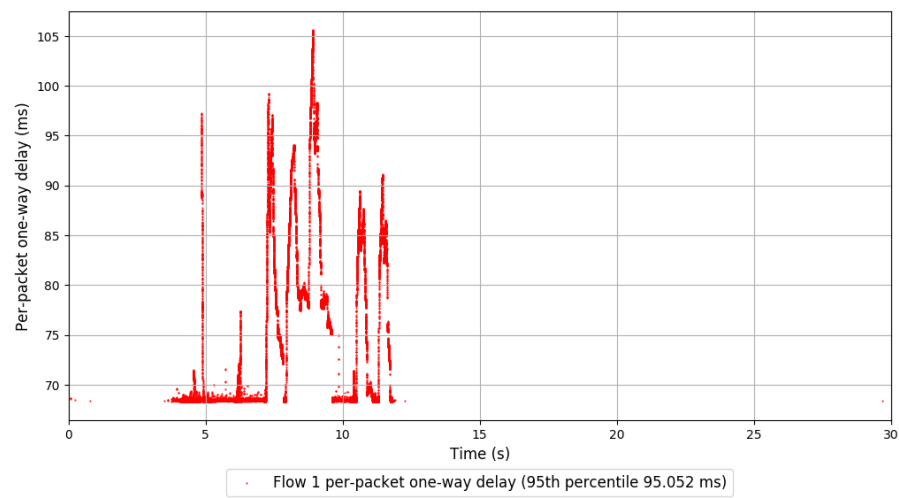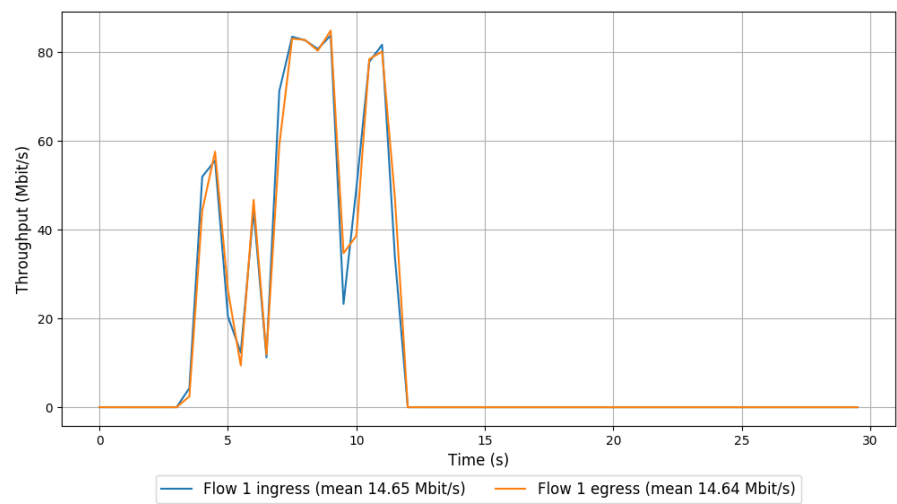
Run 1: Report of QUIC Cubic (toy) — Data Link

```
Run 2: Statistics of QUIC Cubic (toy)

Start at: Fri, 23 Jun 2017 17:36:42 +0000
End at: Fri, 23 Jun 2017 17:37:12 +0000
Local clock offset: -3.902 ms
Remote clock offset: -14.438 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 209.780 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 15.83 Mbit/s
95th percentile per-packet one-way delay: 209.780 ms
Loss rate: 0.28%
```
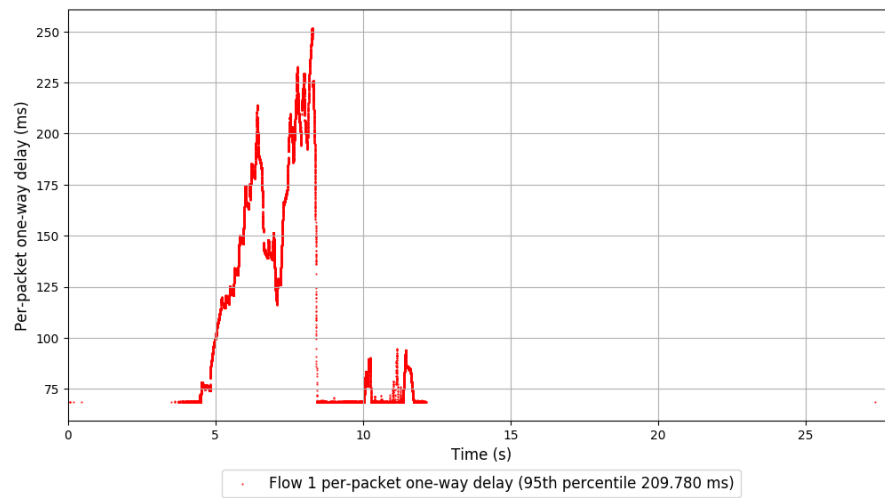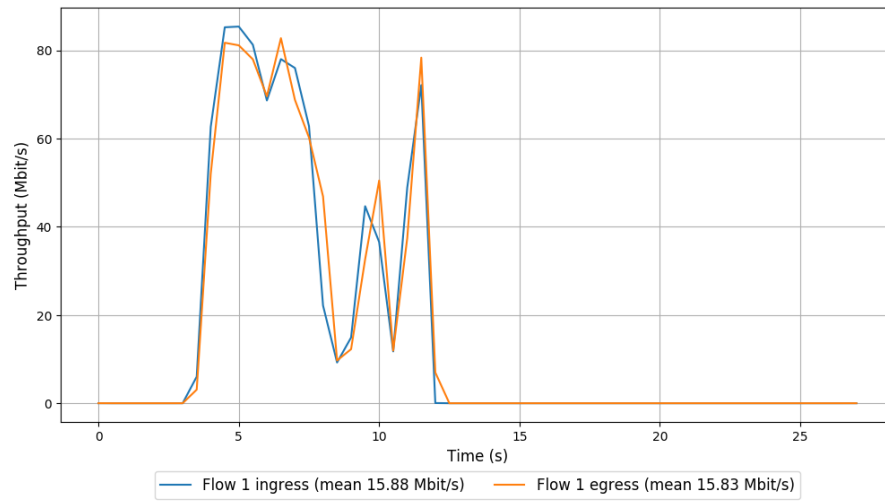
Run 2: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 15.88 Mbit/s)   Flow 1 egress (mean 15.83 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 209.780 ms)

```
Run 3: Statistics of QUIC Cubic (toy)

Start at: Fri, 23 Jun 2017 17:53:58 +0000
End at: Fri, 23 Jun 2017 17:54:28 +0000
Local clock offset: -4.477 ms
Remote clock offset: -16.546 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 103.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.17 Mbit/s
95th percentile per-packet one-way delay: 103.456 ms
Loss rate: 0.00%
```
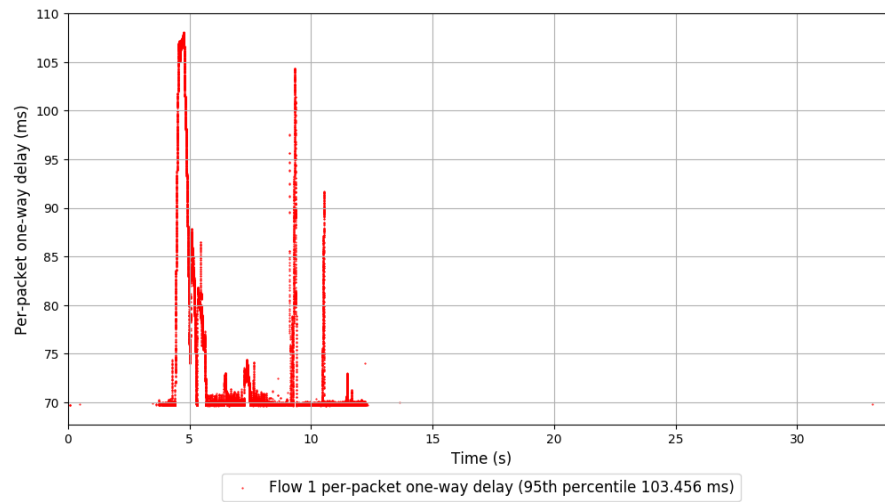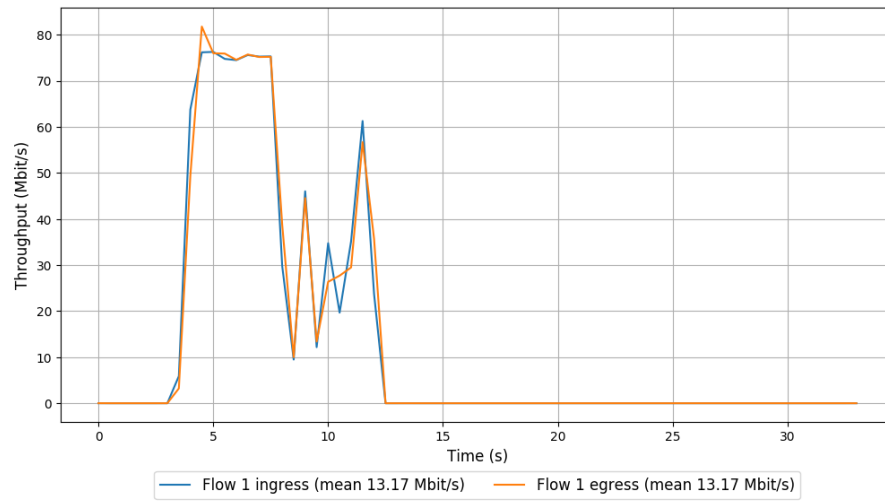
Run 3: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 13.17 Mbit/s) ——— Flow 1 egress (mean 13.17 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 103.456 ms)
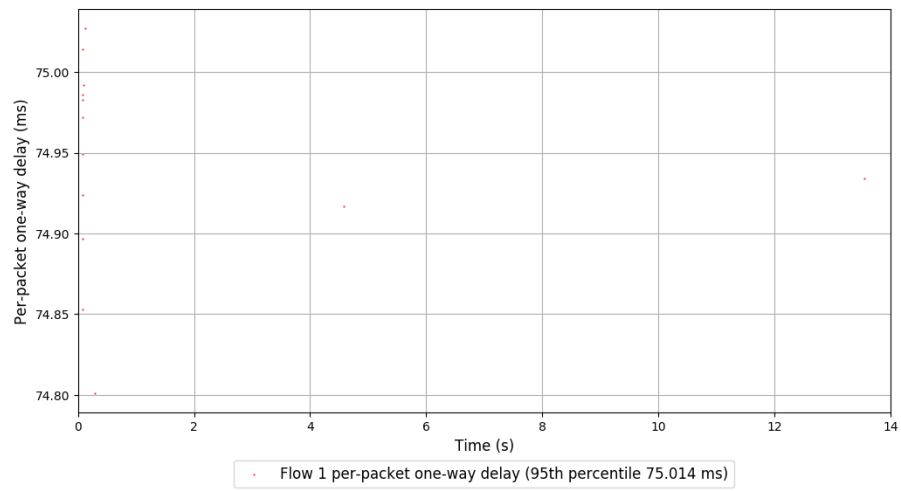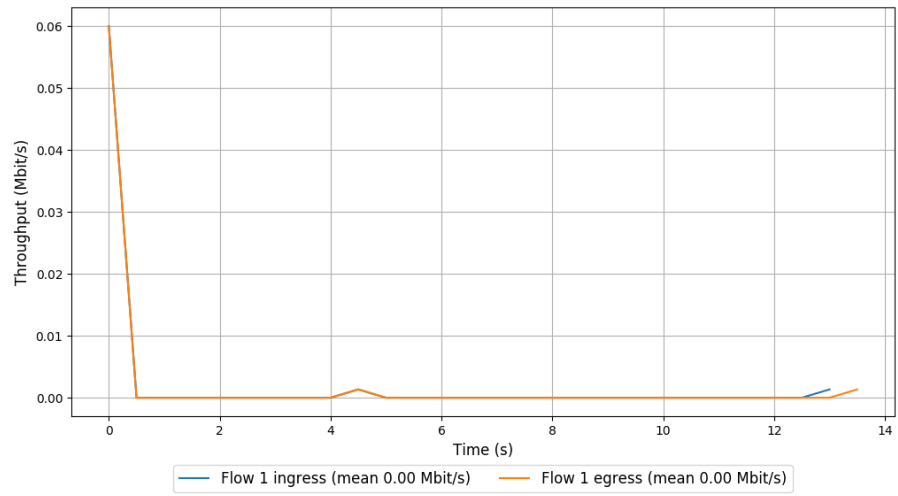
Run 4: Statistics of QUIC Cubic (toy)

Start at: Fri, 23 Jun 2017 18:11:33 +0000
End at: Fri, 23 Jun 2017 18:12:03 +0000
Local clock offset: -0.838 ms
Remote clock offset: -17.728 ms

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

Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 0.00 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 75.014 ms)

```
Run 5: Statistics of QUIC Cubic (toy)

Start at: Fri, 23 Jun 2017 18:28:54 +0000
End at: Fri, 23 Jun 2017 18:29:24 +0000
Local clock offset: 3.097 ms
Remote clock offset: -16.007 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 77.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 77.845 ms
Loss rate: 0.00%
```
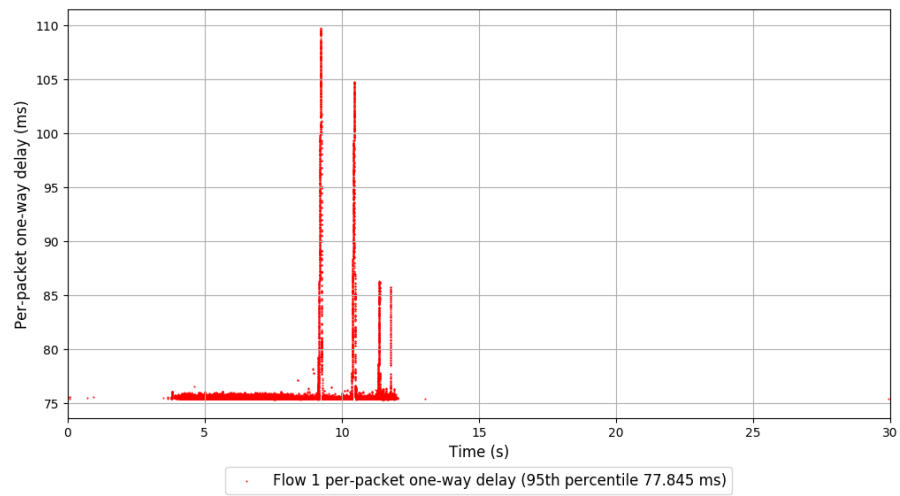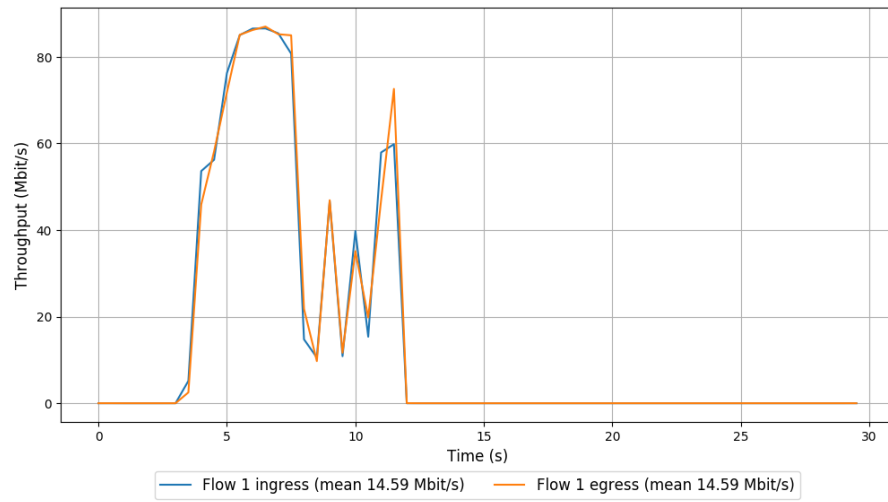
Run 5: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 14.59 Mbit/s) —— Flow 1 egress (mean 14.59 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 77.845 ms)

```
Run 6: Statistics of QUIC Cubic (toy)

Start at: Fri, 23 Jun 2017 18:46:28 +0000
End at: Fri, 23 Jun 2017 18:46:58 +0000
Local clock offset: 1.11 ms
Remote clock offset: -13.906 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 127.264 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: 127.264 ms
Loss rate: 0.38%
```
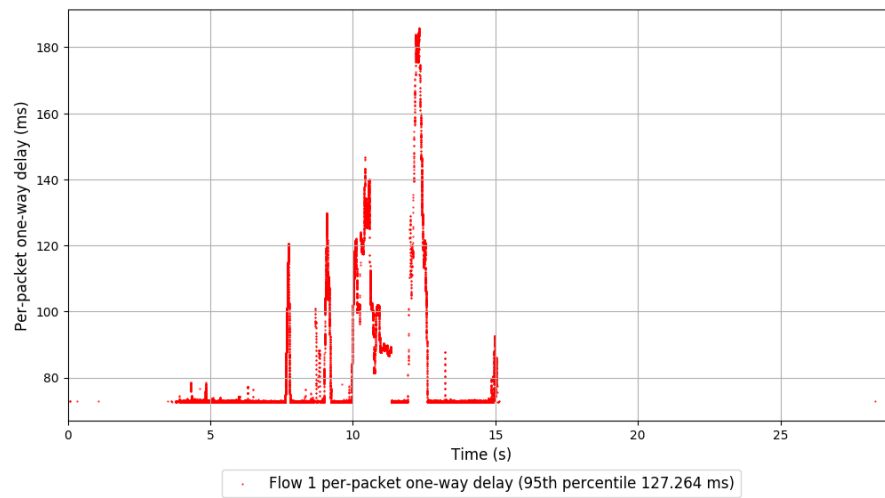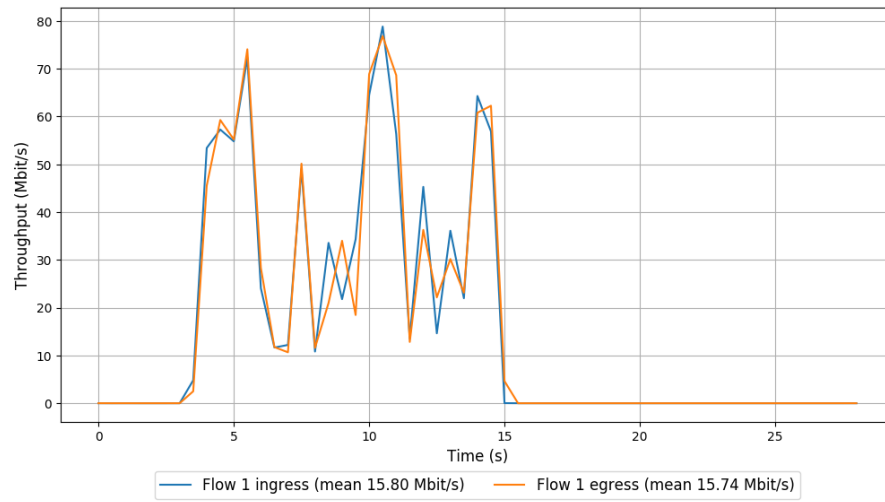
Run 6: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 15.80 Mbit/s) — Flow 1 egress (mean 15.74 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 127.264 ms)

```
Run 7: Statistics of QUIC Cubic (toy)

Start at: Fri, 23 Jun 2017 19:03:49 +0000
End at: Fri, 23 Jun 2017 19:04:19 +0000
Local clock offset: -0.649 ms
Remote clock offset: -13.291 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.45 Mbit/s
95th percentile per-packet one-way delay: 124.987 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.45 Mbit/s
95th percentile per-packet one-way delay: 124.987 ms
Loss rate: 0.00%
```
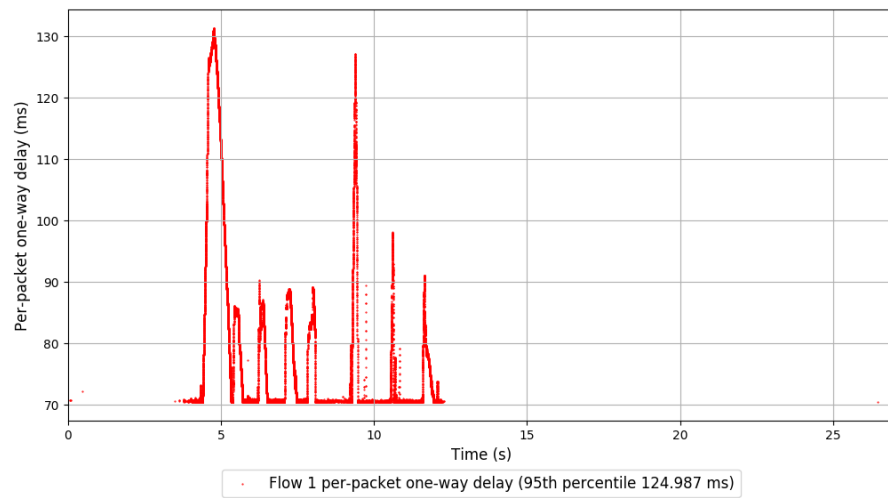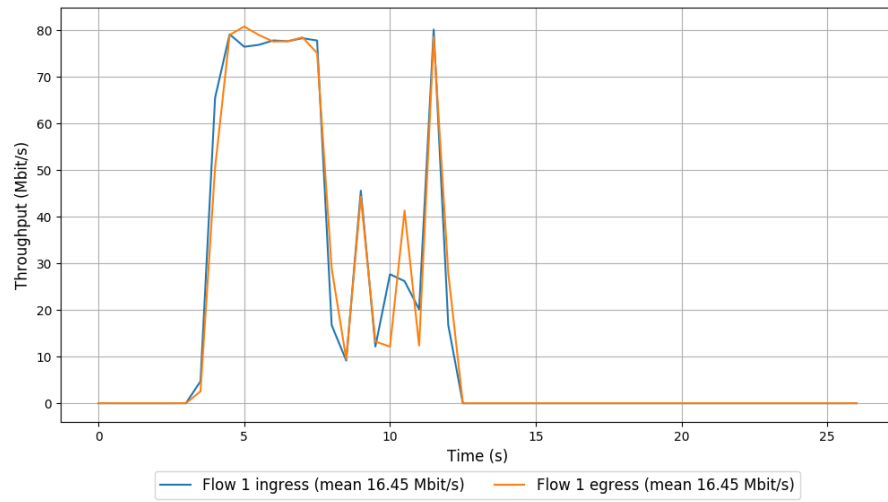
Run 7: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 16.45 Mbit/s)   Flow 1 egress (mean 16.45 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 124.987 ms)

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```
Run 8: Statistics of QUIC Cubic (toy)

Start at: Fri, 23 Jun 2017 19:21:29 +0000
End at: Fri, 23 Jun 2017 19:21:59 +0000
Local clock offset: -0.075 ms
Remote clock offset: -9.144 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 235.361 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 14.13 Mbit/s
95th percentile per-packet one-way delay: 235.361 ms
Loss rate: 0.24%
```
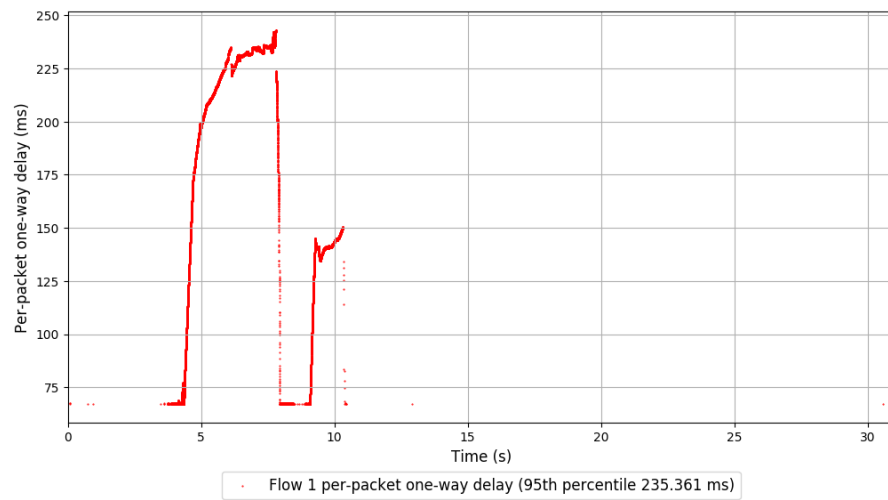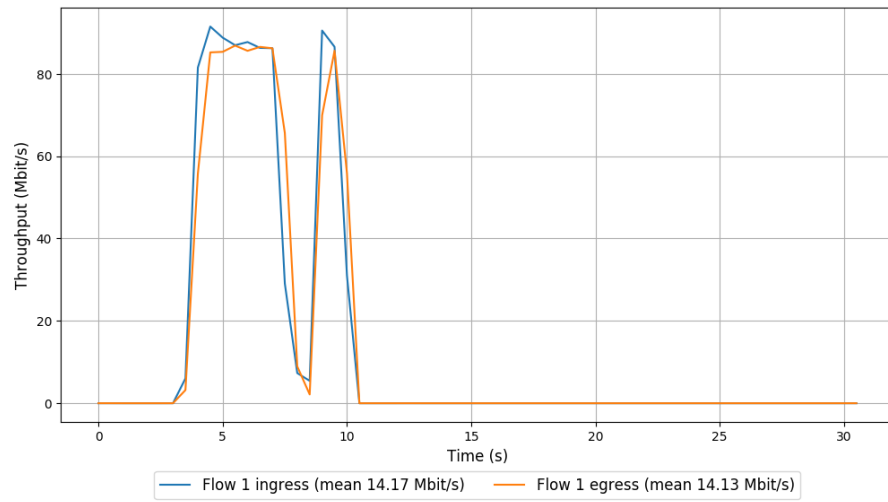
Run 8: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 14.17 Mbit/s) — Flow 1 egress (mean 14.13 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 235.361 ms)

```
Run 9: Statistics of QUIC Cubic (toy)

Start at: Fri, 23 Jun 2017 19:39:03 +0000
End at: Fri, 23 Jun 2017 19:39:33 +0000
Local clock offset: 0.407 ms
Remote clock offset: -10.146 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 68.992 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.59 Mbit/s
95th percentile per-packet one-way delay: 68.992 ms
Loss rate: 0.00%
```
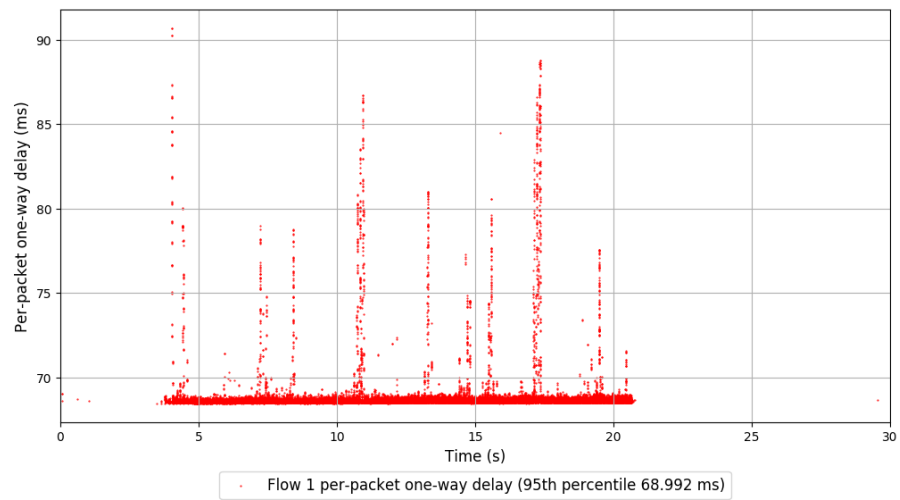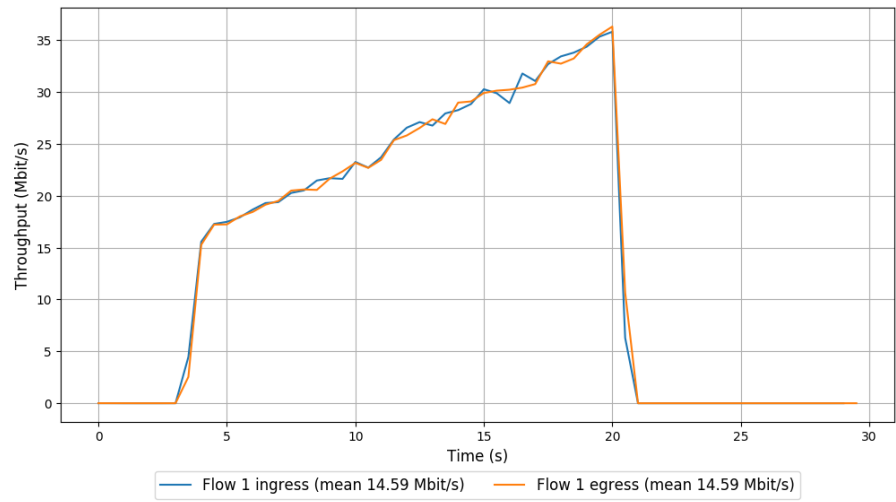
Run 9: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 14.59 Mbit/s) —— Flow 1 egress (mean 14.59 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 68.992 ms)

```
Run 10: Statistics of QUIC Cubic (toy)

Start at: Fri, 23 Jun 2017 19:56:20 +0000
End at: Fri, 23 Jun 2017 19:56:50 +0000
Local clock offset: -1.737 ms
Remote clock offset: -10.779 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:39:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 91.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 91.524 ms
Loss rate: 0.00%
```
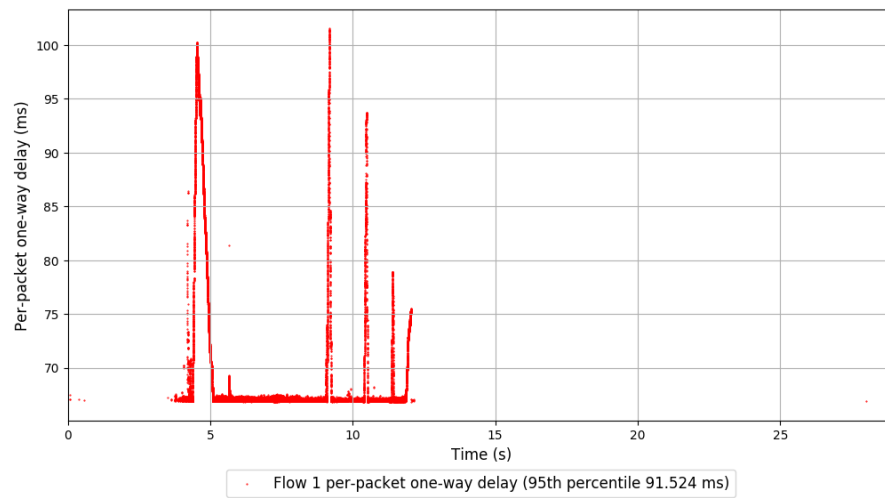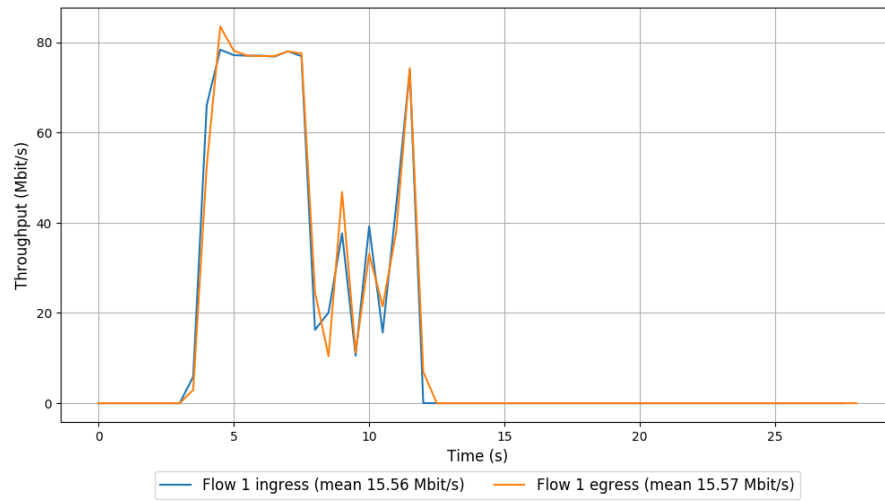
Run 10: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 15.56 Mbit/s) — Flow 1 egress (mean 15.57 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 91.524 ms)
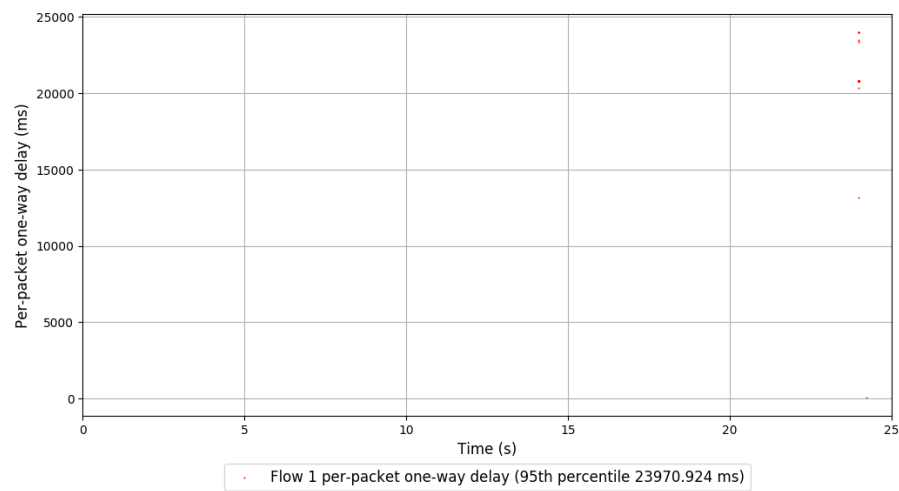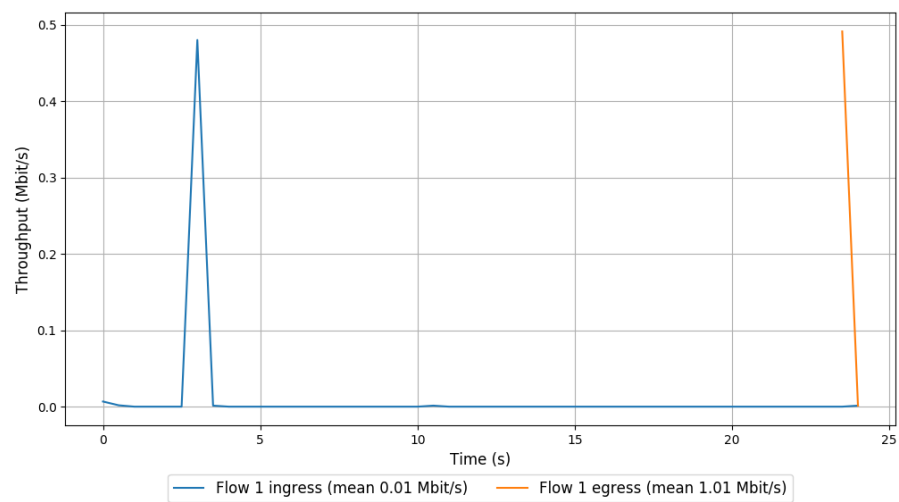
```
Run 1: Statistics of Saturator

Start at: Fri, 23 Jun 2017 17:29:36 +0000
End at: Fri, 23 Jun 2017 17:30:06 +0000
Local clock offset: -4.395 ms
Remote clock offset: -14.379 ms
```

Run 1: Report of Saturator — Data Link
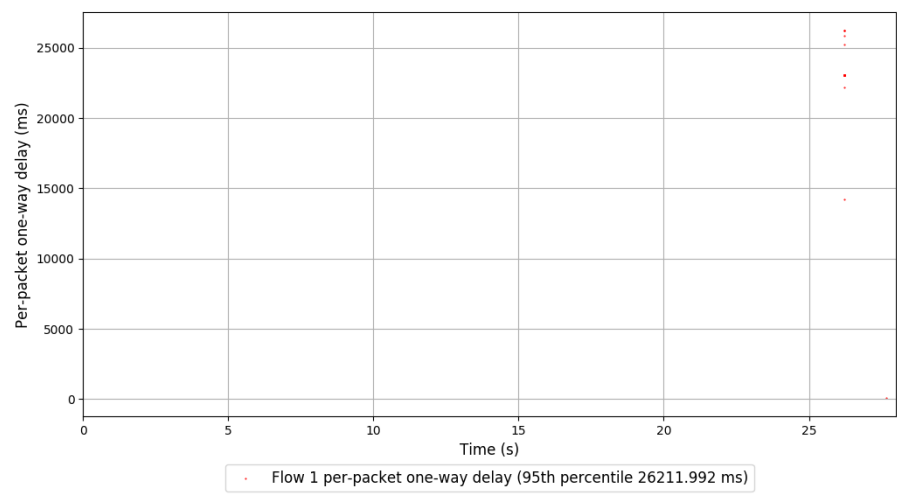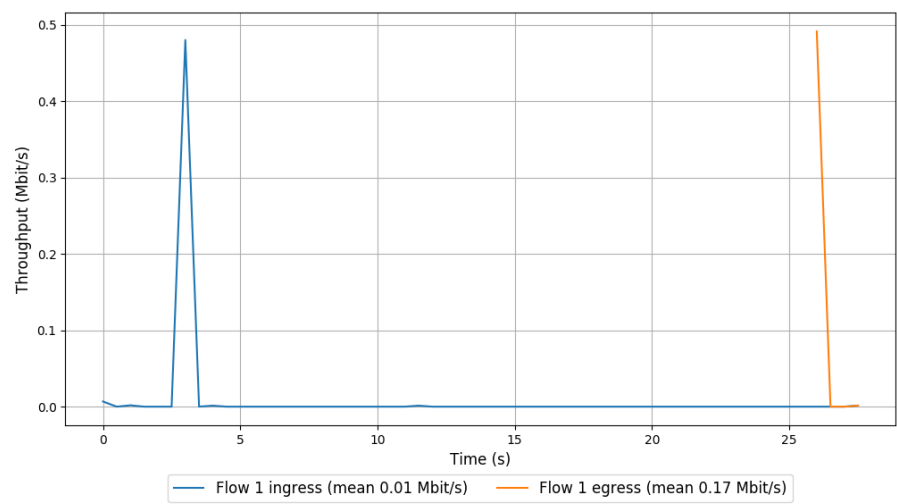
Run 2: Statistics of Saturator

Start at: Fri, 23 Jun 2017 17:47:03 +0000
End at: Fri, 23 Jun 2017 17:47:33 +0000
Local clock offset: -4.315 ms
Remote clock offset: -15.598 ms

Run 2: Report of Saturator — Data Link

```
Run 3: Statistics of Saturator

Start at: Fri, 23 Jun 2017 18:04:24 +0000
End at: Fri, 23 Jun 2017 18:04:54 +0000
Local clock offset: -4.799 ms
Remote clock offset: -17.643 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 71.511 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 71.511 ms
Loss rate: 0.00%
```
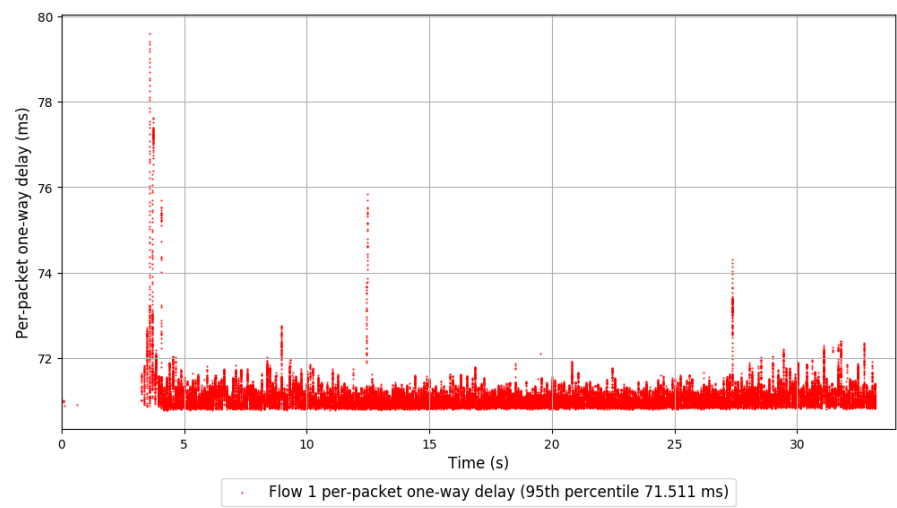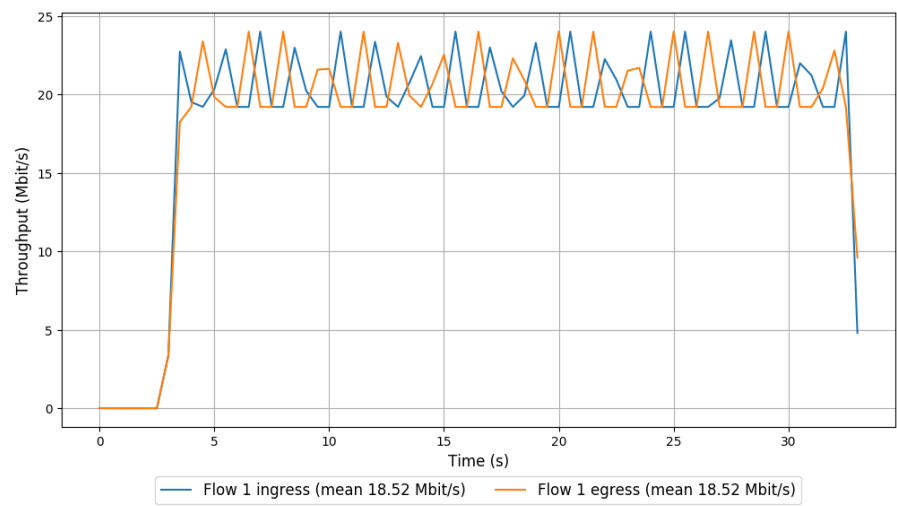
Run 3: Report of Saturator — Data Link

Flow 1 ingress (mean 18.52 Mbit/s)   Flow 1 egress (mean 18.52 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 71.511 ms)
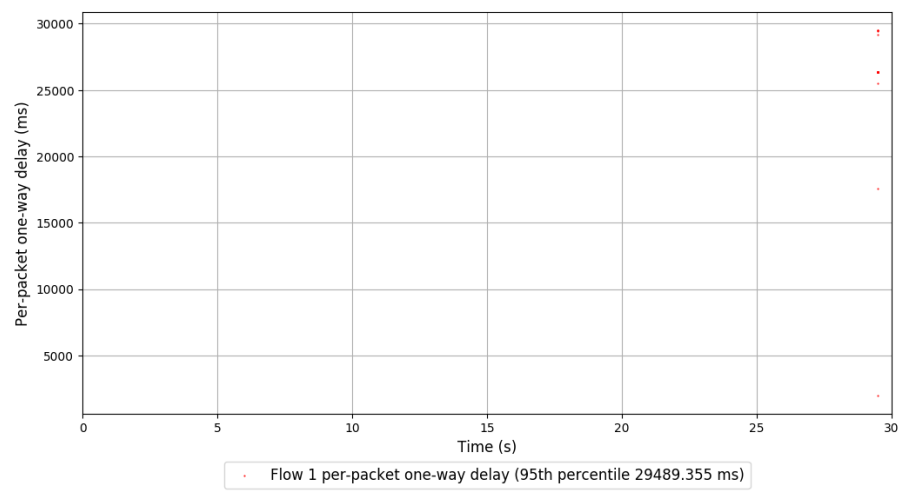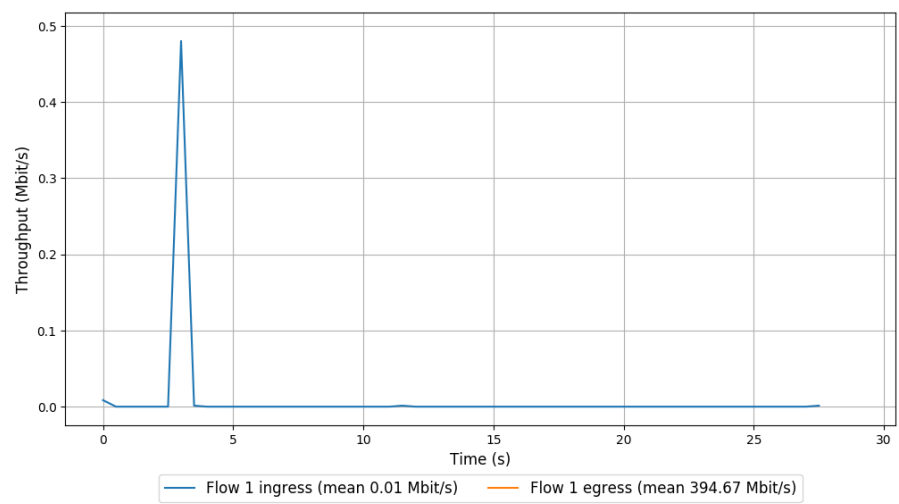
```
Run 4: Statistics of Saturator

Start at: Fri, 23 Jun 2017 18:21:52 +0000
End at: Fri, 23 Jun 2017 18:22:22 +0000
Local clock offset: 2.66 ms
Remote clock offset: -16.995 ms
```

Run 4: Report of Saturator — Data Link

Flow 1 ingress (mean 0.01 Mbit/s)　　Flow 1 egress (mean 394.67 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 29489.355 ms)
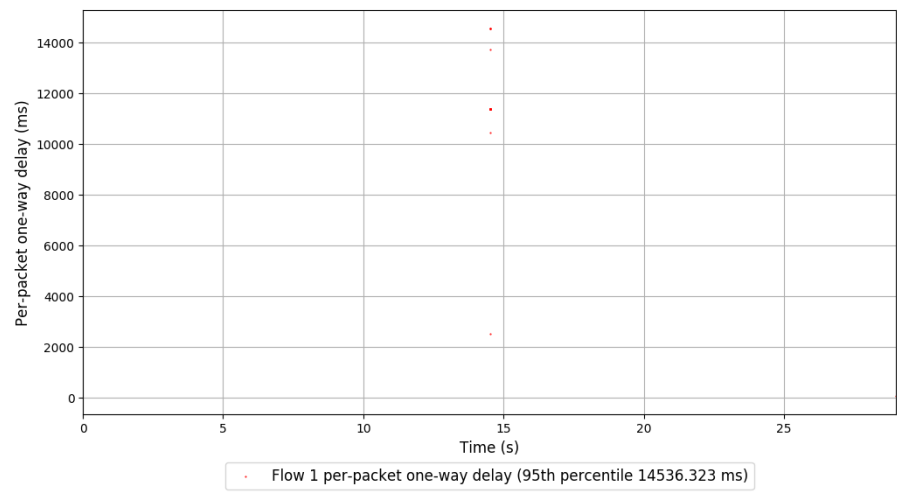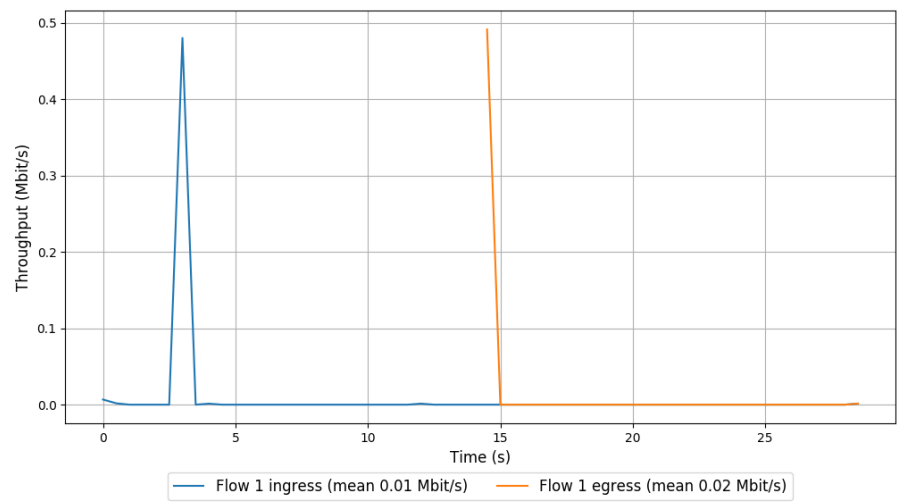
Run 5: Statistics of Saturator

Start at: Fri, 23 Jun 2017 18:39:28 +0000
End at: Fri, 23 Jun 2017 18:39:58 +0000
Local clock offset: 2.906 ms
Remote clock offset: -14.158 ms

Run 5: Report of Saturator — Data Link

Flow 1 ingress (mean 0.01 Mbit/s)   Flow 1 egress (mean 0.02 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 14536.323 ms)
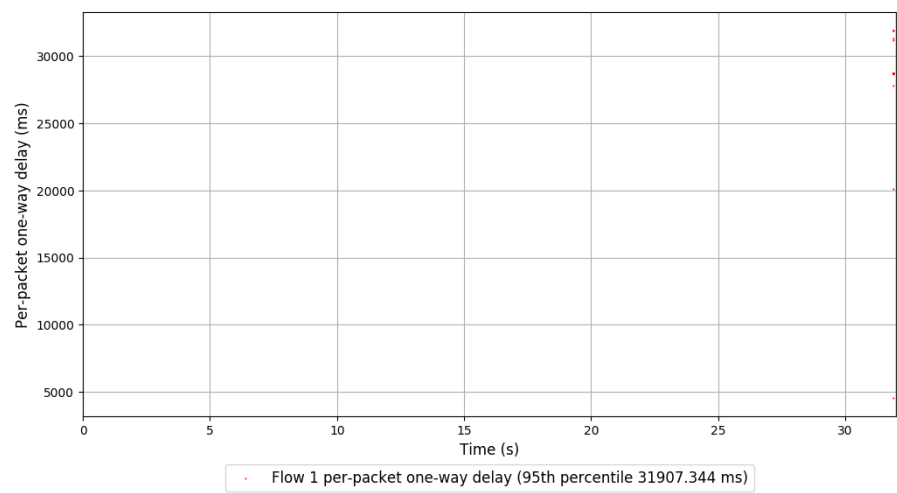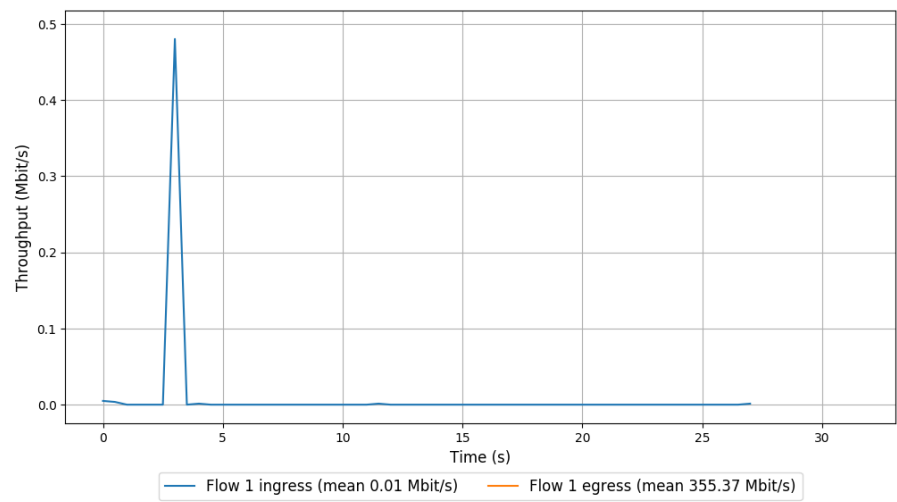
```
Run 6: Statistics of Saturator

Start at: Fri, 23 Jun 2017 18:56:47 +0000
End at: Fri, 23 Jun 2017 18:57:17 +0000
Local clock offset: -0.342 ms
Remote clock offset: -13.238 ms
```

Run 6: Report of Saturator — Data Link

Flow 1 ingress (mean 0.01 Mbit/s) — Flow 1 egress (mean 355.37 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 31907.344 ms)

```
Run 7: Statistics of Saturator

Start at: Fri, 23 Jun 2017 19:14:18 +0000
End at: Fri, 23 Jun 2017 19:14:48 +0000
Local clock offset: -1.081 ms
Remote clock offset: -10.486 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 68.233 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 68.233 ms
Loss rate: 0.20%
```
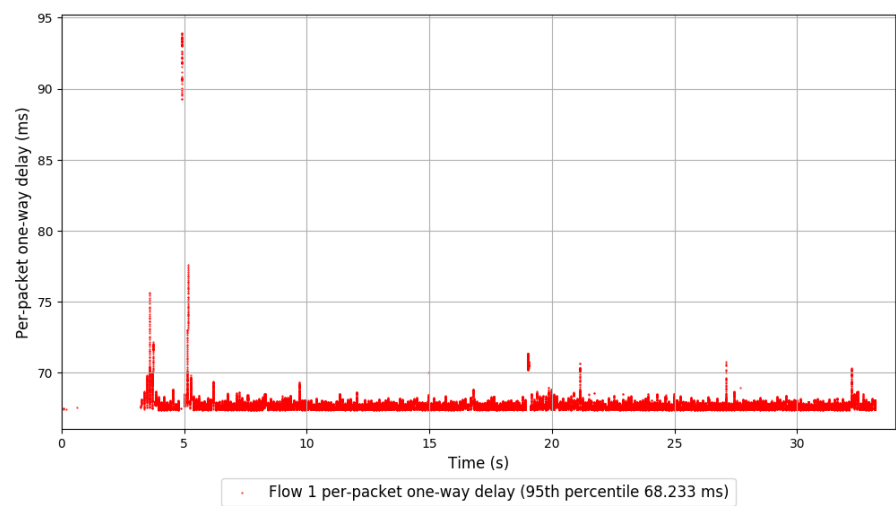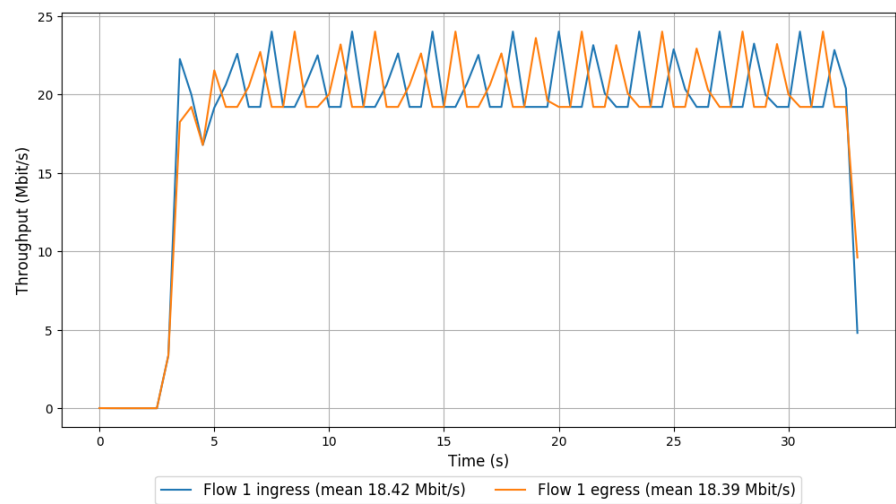
Run 7: Report of Saturator — Data Link
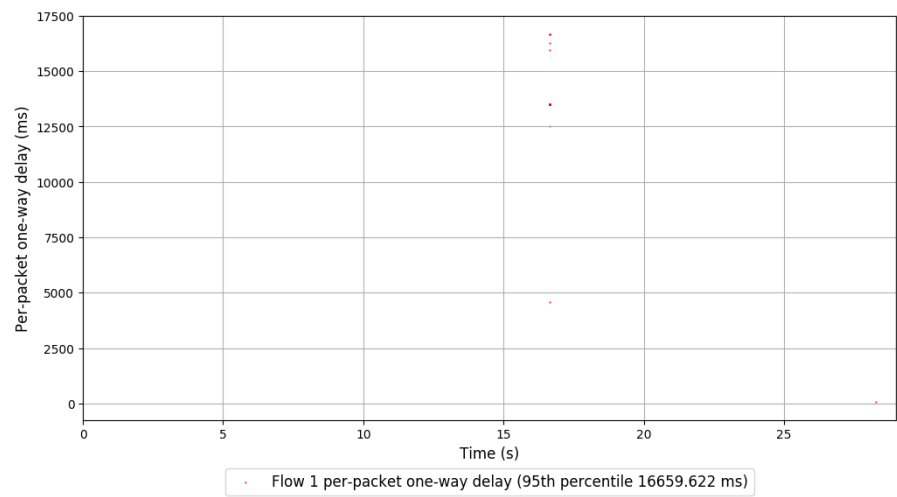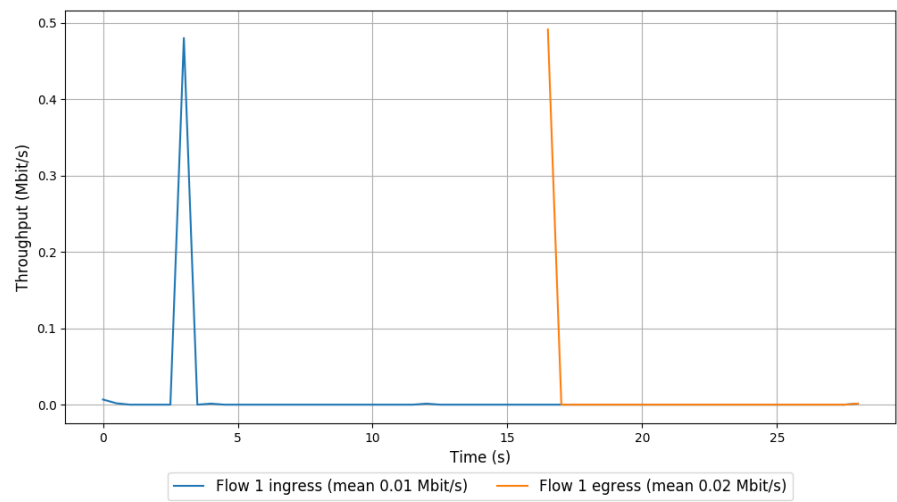
Run 8: Statistics of Saturator

Start at: Fri, 23 Jun 2017 19:32:02 +0000
End at: Fri, 23 Jun 2017 19:32:32 +0000
Local clock offset: 0.49 ms
Remote clock offset: -8.995 ms

Run 8: Report of Saturator — Data Link

Flow 1 ingress (mean 0.01 Mbit/s)   Flow 1 egress (mean 0.02 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 16659.622 ms)

```
Run 9: Statistics of Saturator

Start at: Fri, 23 Jun 2017 19:49:16 +0000
End at: Fri, 23 Jun 2017 19:49:46 +0000
Local clock offset: 0.383 ms
Remote clock offset: -11.435 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 69.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 69.286 ms
Loss rate: 0.00%
```

Run 9: Report of Saturator — Data Link

```
Run 10: Statistics of Saturator

Start at: Fri, 23 Jun 2017 20:06:40 +0000
End at: Fri, 23 Jun 2017 20:07:10 +0000
Local clock offset: -2.833 ms
Remote clock offset: -9.465 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.63 Mbit/s
95th percentile per-packet one-way delay: 64.148 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.63 Mbit/s
95th percentile per-packet one-way delay: 64.148 ms
Loss rate: 0.00%
```
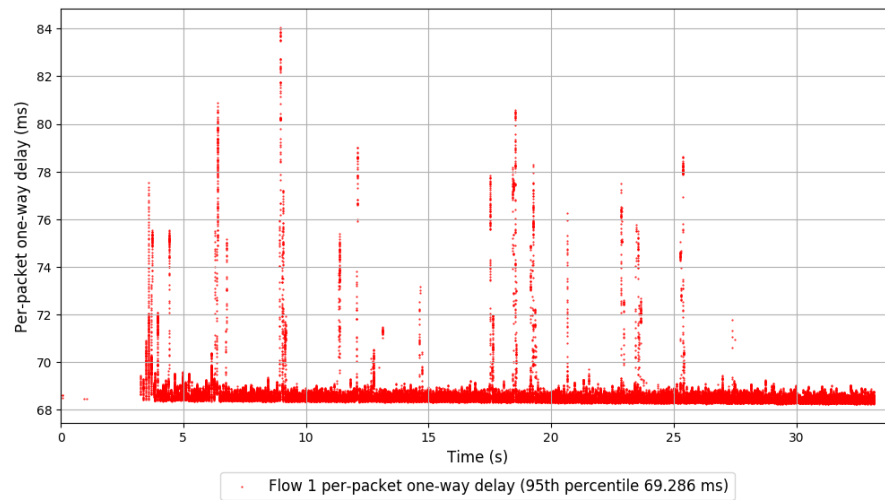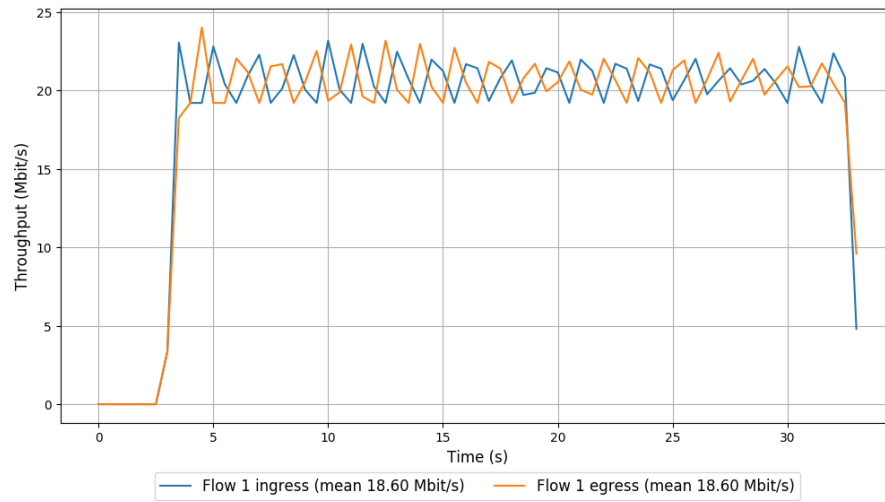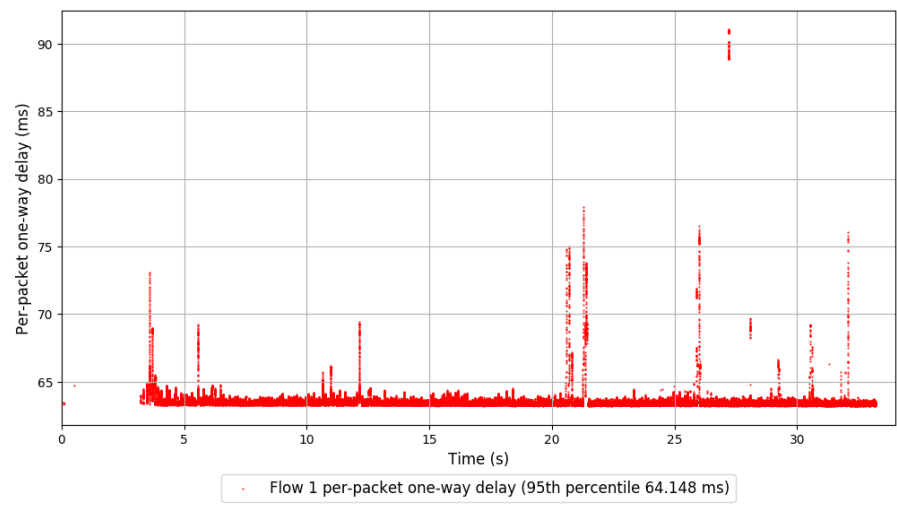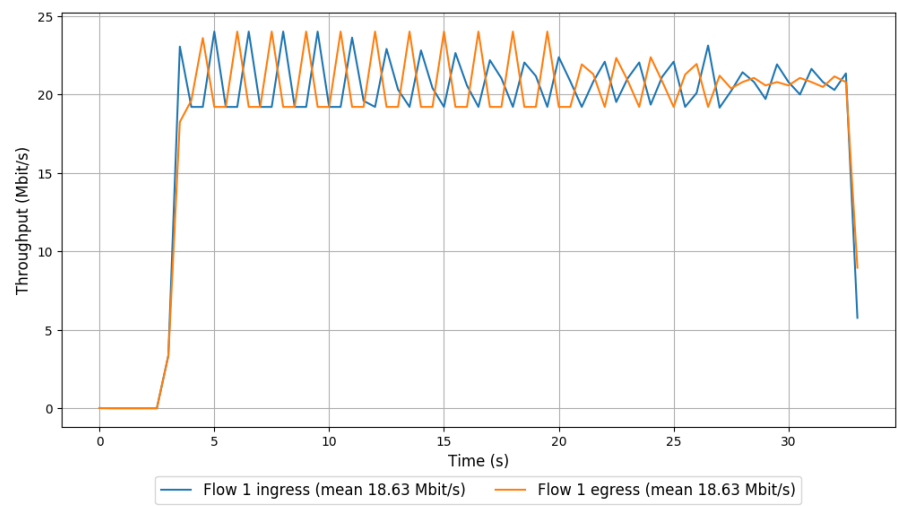
Run 10: Report of Saturator — Data Link

Flow 1 ingress (mean 18.63 Mbit/s)   Flow 1 egress (mean 18.63 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 64.148 ms)

```
Run 1: Statistics of SCReAM

Start at: Fri, 23 Jun 2017 17:17:56 +0000
End at: Fri, 23 Jun 2017 17:18:26 +0000
Local clock offset: -3.333 ms
Remote clock offset: -13.876 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 67.905 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 67.905 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.20 Mbit/s) — Flow 1 egress (mean 0.20 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 67.905 ms)

```
Run 2: Statistics of SCReAM

Start at: Fri, 23 Jun 2017 17:35:36 +0000
End at: Fri, 23 Jun 2017 17:36:06 +0000
Local clock offset: -3.932 ms
Remote clock offset: -14.114 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 78.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 78.266 ms
Loss rate: 0.00%
```
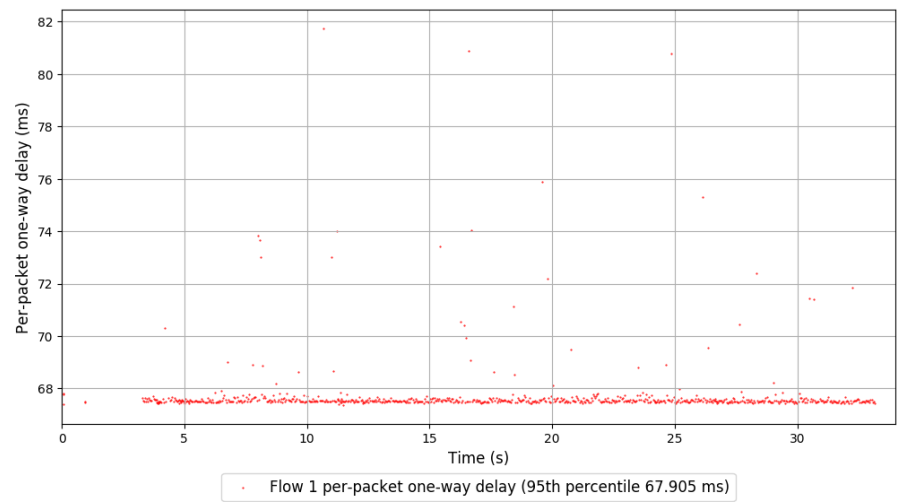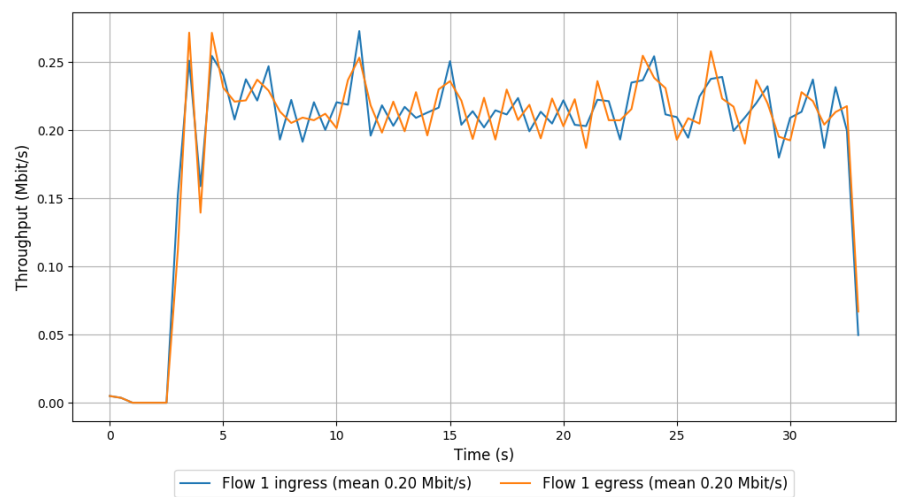
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: Fri, 23 Jun 2017 17:52:52 +0000
End at: Fri, 23 Jun 2017 17:53:22 +0000
Local clock offset: -4.461 ms
Remote clock offset: -16.241 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 70.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 70.591 ms
Loss rate: 0.00%
```
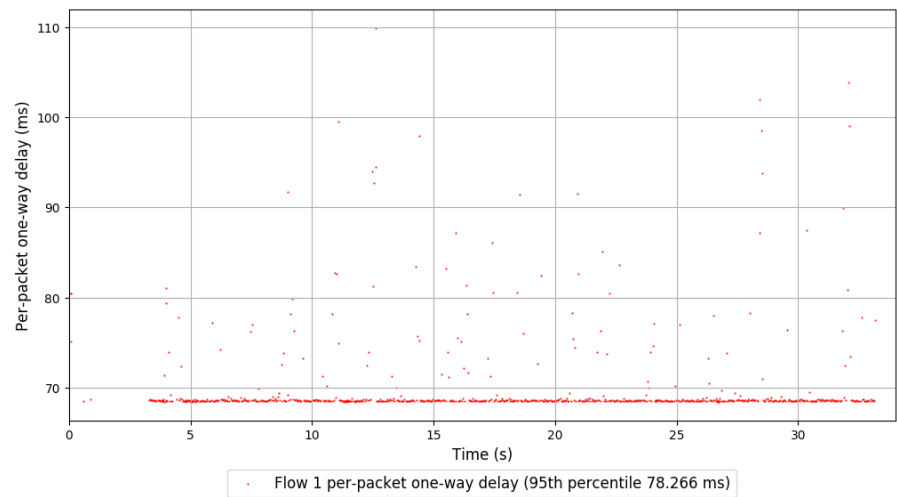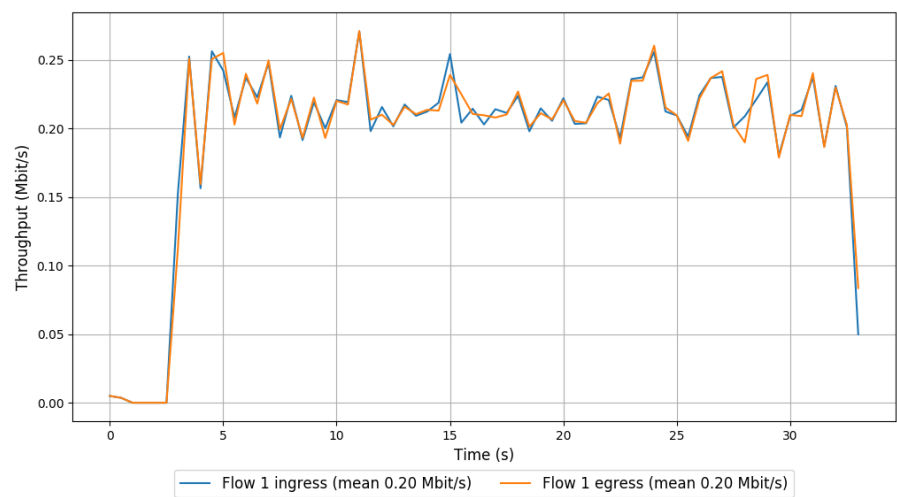
Run 3: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.20 Mbit/s) — Flow 1 egress (mean 0.20 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 70.591 ms)

```
Run 4: Statistics of SCReAM

Start at: Fri, 23 Jun 2017 18:10:27 +0000
End at: Fri, 23 Jun 2017 18:10:57 +0000
Local clock offset: -1.335 ms
Remote clock offset: -17.567 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 81.969 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 81.969 ms
Loss rate: 0.00%
```
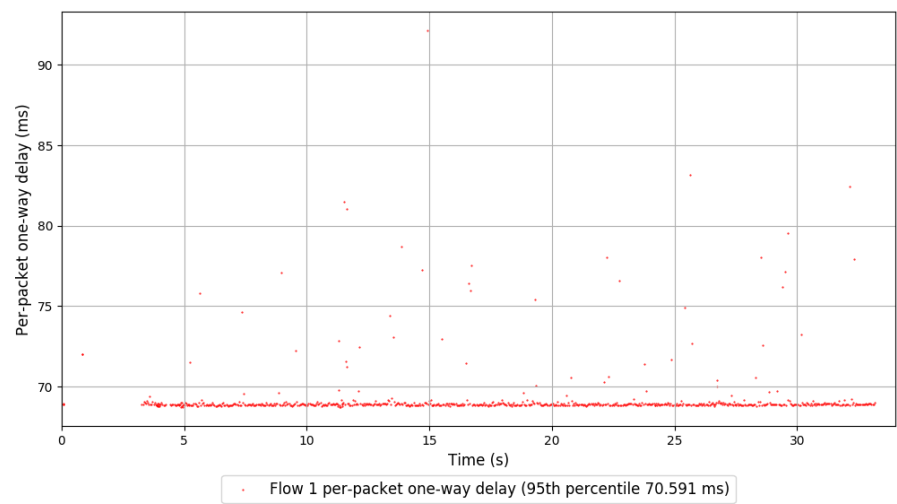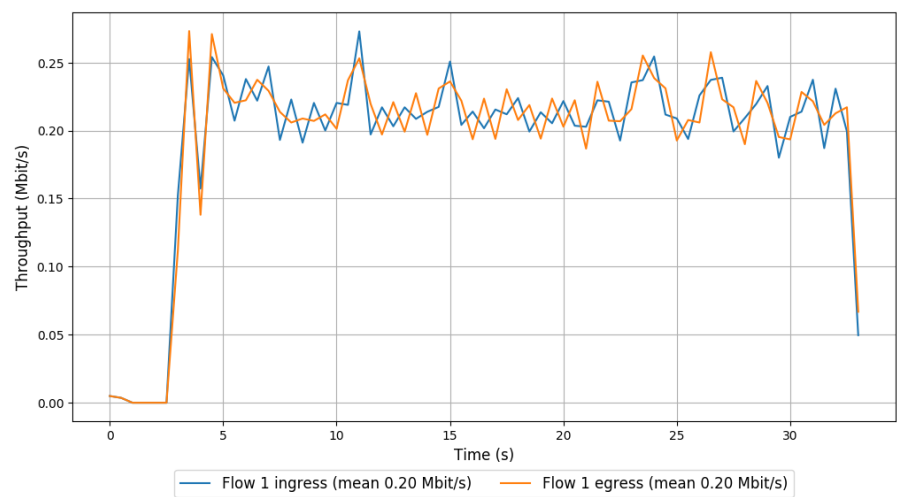
Run 4: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.20 Mbit/s) — Flow 1 egress (mean 0.20 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 81.969 ms)

```
Run 5: Statistics of SCReAM

Start at: Fri, 23 Jun 2017 18:27:48 +0000
End at: Fri, 23 Jun 2017 18:28:18 +0000
Local clock offset: 3.104 ms
Remote clock offset: -16.231 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 77.985 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 77.985 ms
Loss rate: 0.00%
```
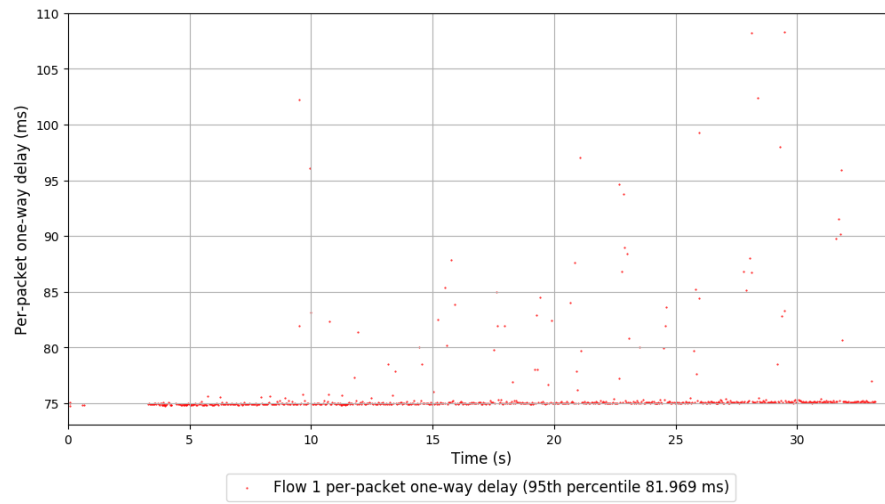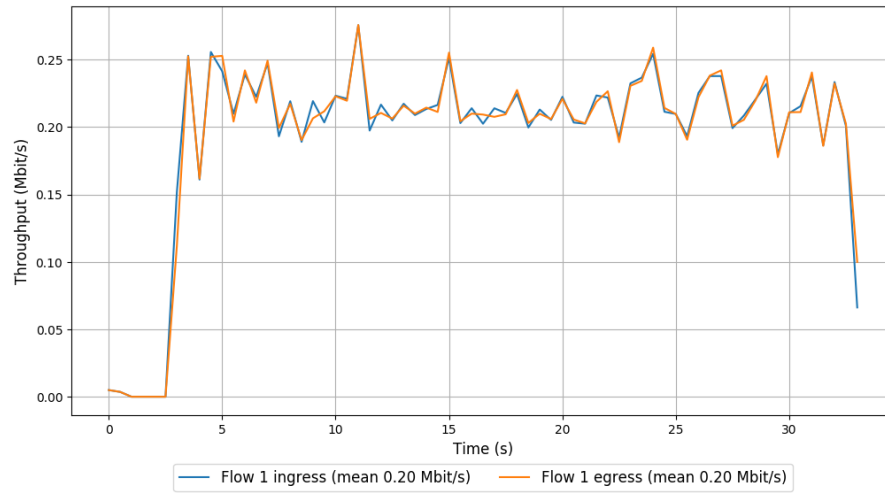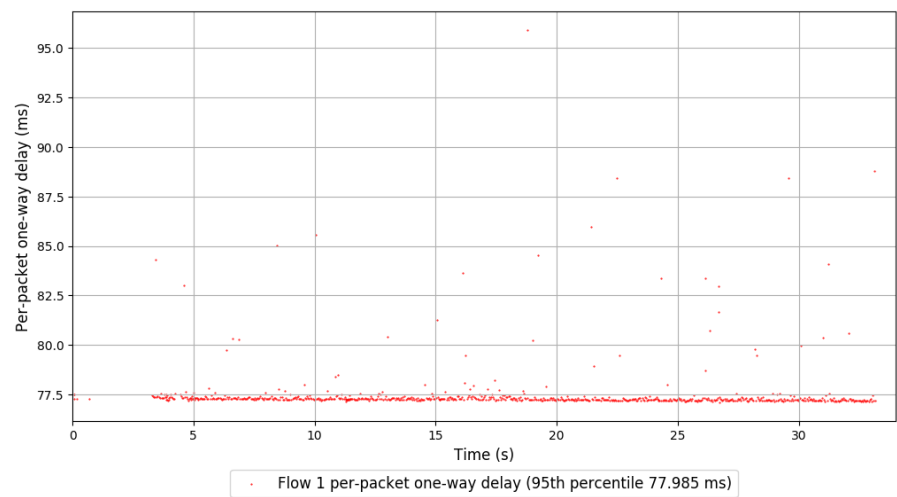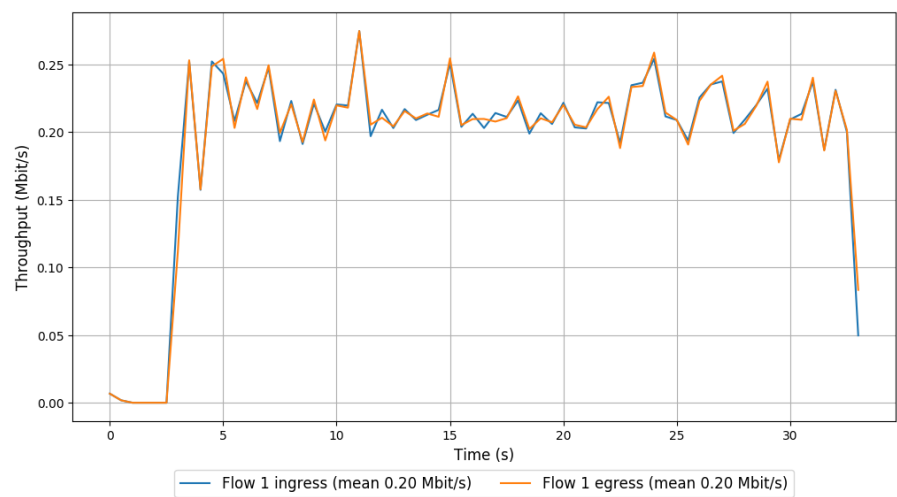
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: Fri, 23 Jun 2017 18:45:22 +0000
End at: Fri, 23 Jun 2017 18:45:52 +0000
Local clock offset: 1.268 ms
Remote clock offset: -14.253 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 74.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 74.057 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.20 Mbit/s) — Flow 1 egress (mean 0.20 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 74.057 ms)

195

```
Run 7: Statistics of SCReAM

Start at: Fri, 23 Jun 2017 19:02:44 +0000
End at: Fri, 23 Jun 2017 19:03:14 +0000
Local clock offset: -0.601 ms
Remote clock offset: -13.331 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 69.949 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 69.949 ms
Loss rate: 0.00%
```
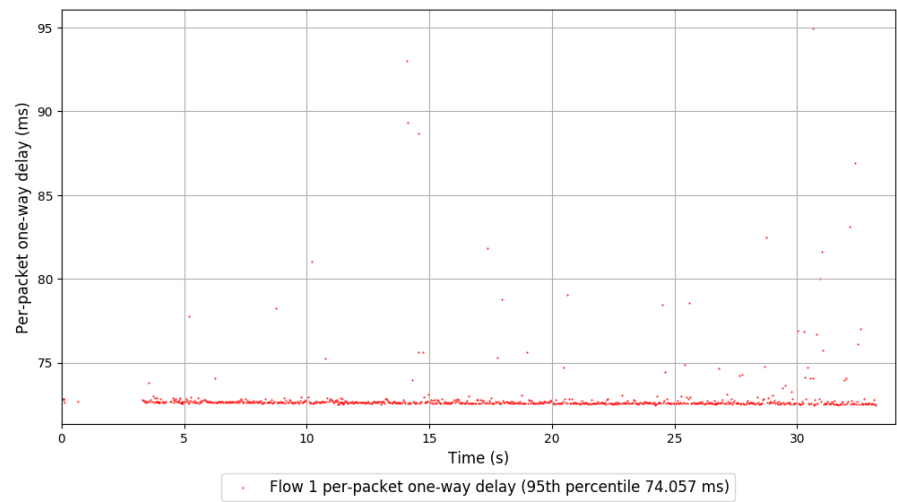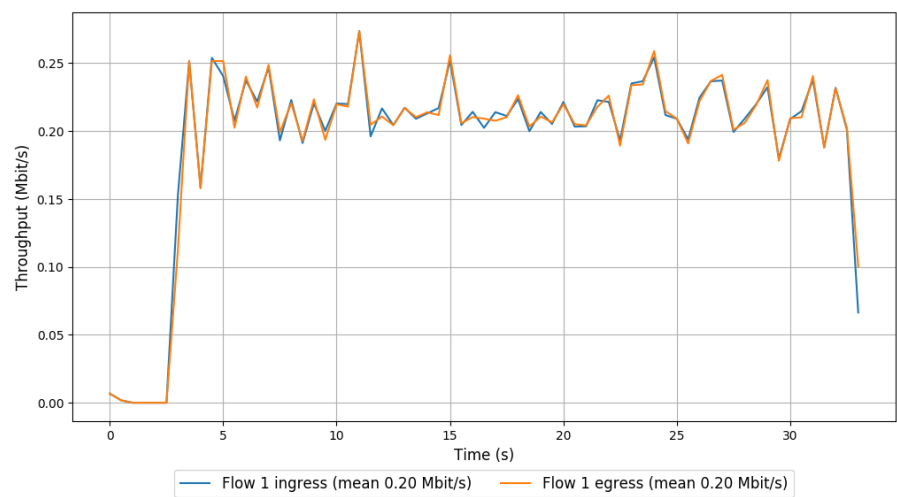
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: Fri, 23 Jun 2017 19:20:23 +0000
End at: Fri, 23 Jun 2017 19:20:53 +0000
Local clock offset: -0.107 ms
Remote clock offset: -9.758 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 67.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 67.171 ms
Loss rate: 0.00%
```
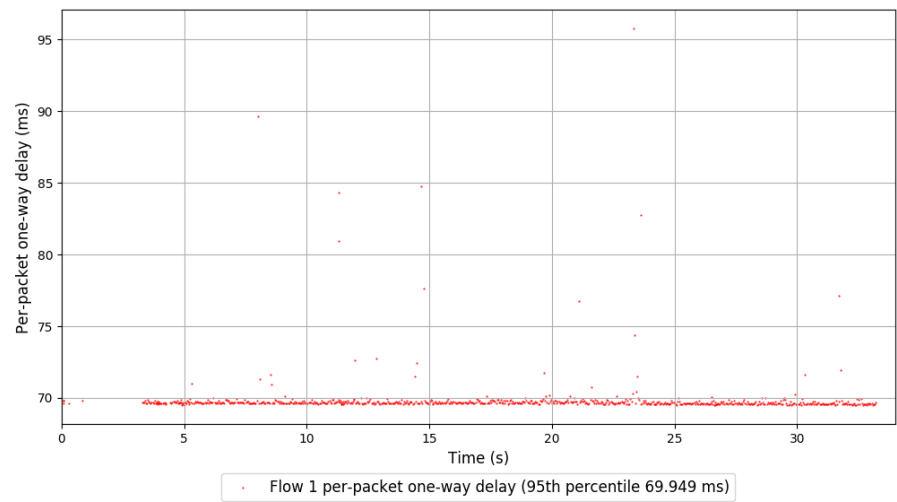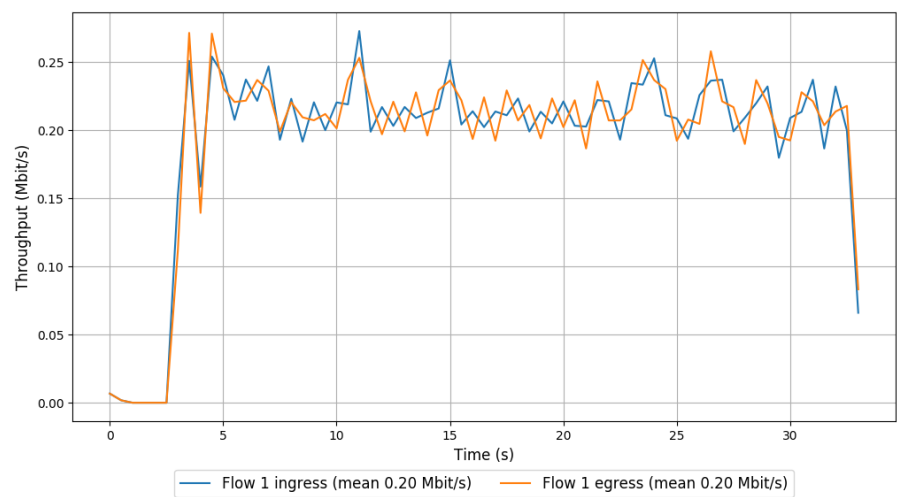
Run 8: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.20 Mbit/s) —— Flow 1 egress (mean 0.20 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 67.171 ms)

```
Run 9: Statistics of SCReAM

Start at: Fri, 23 Jun 2017 19:37:57 +0000
End at: Fri, 23 Jun 2017 19:38:27 +0000
Local clock offset: 0.477 ms
Remote clock offset: -10.052 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 68.721 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 68.721 ms
Loss rate: 0.13%
```
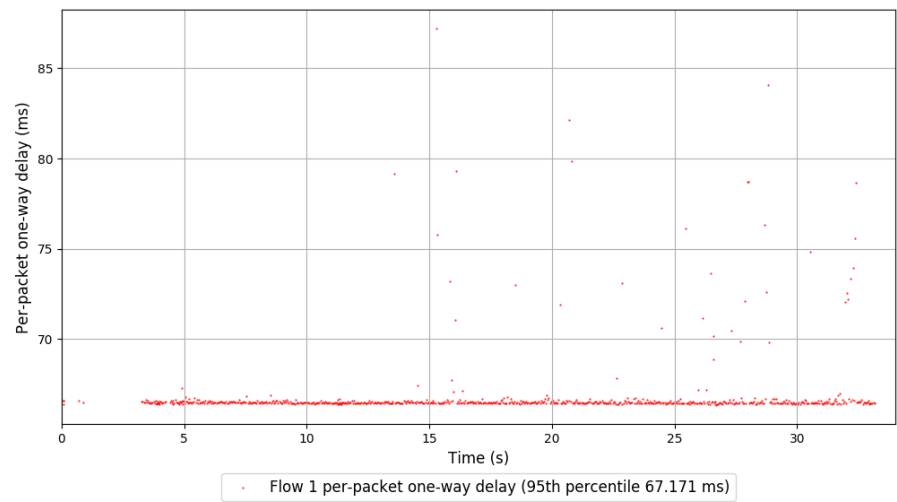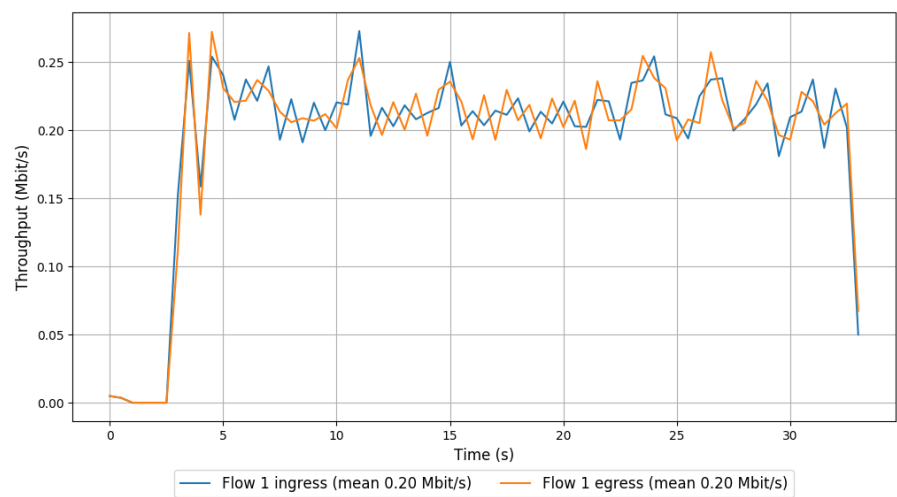
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: Fri, 23 Jun 2017 19:55:14 +0000
End at: Fri, 23 Jun 2017 19:55:44 +0000
Local clock offset: -1.491 ms
Remote clock offset: -10.836 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 66.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 66.431 ms
Loss rate: 0.00%
```
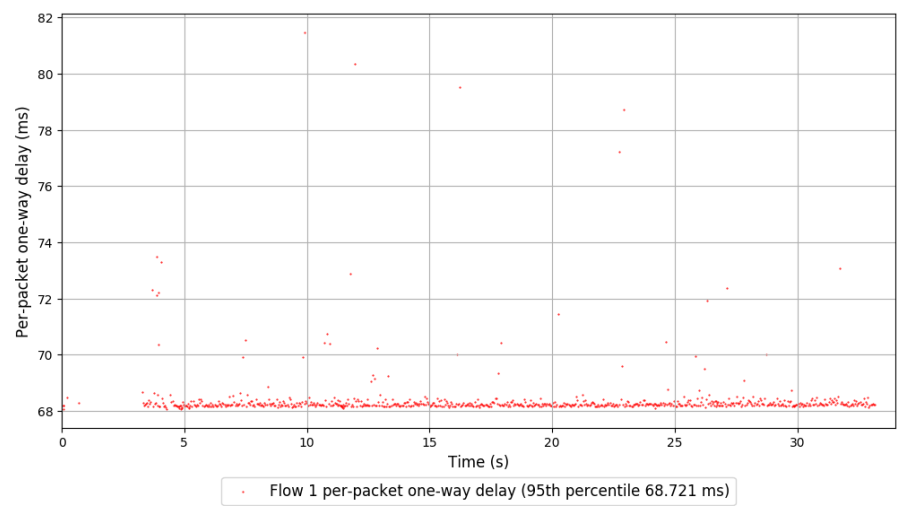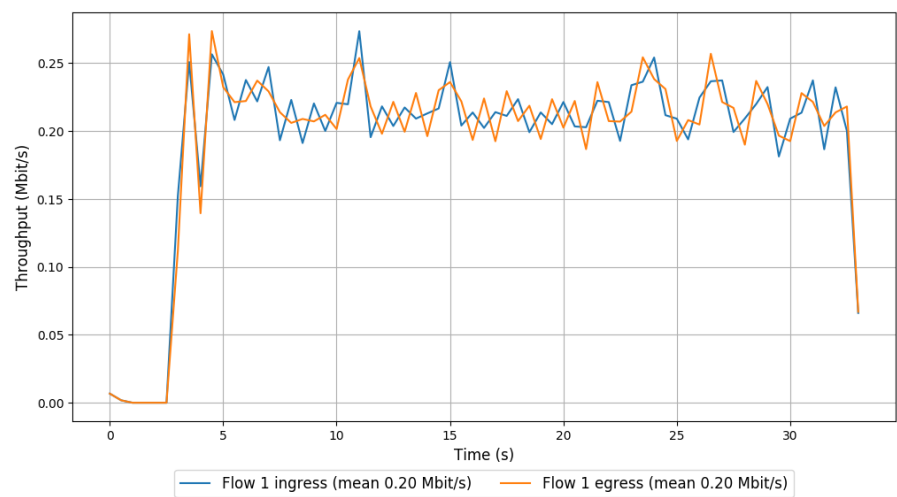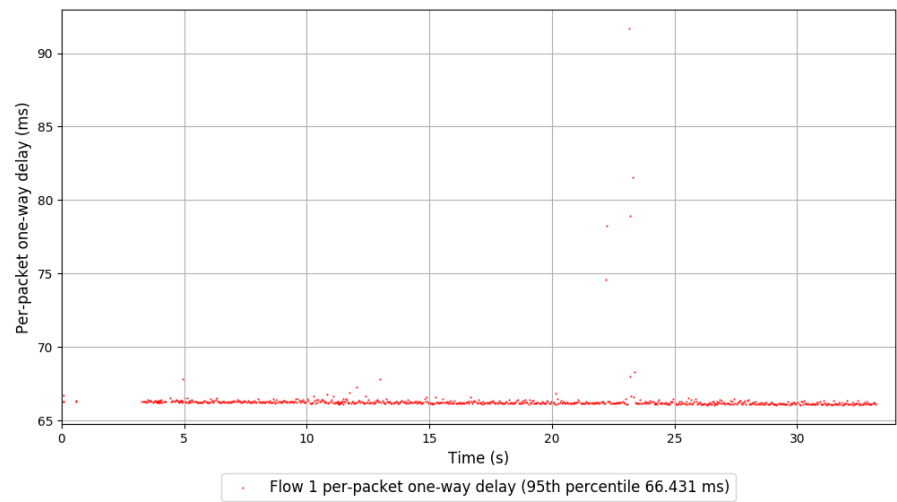
Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of Sprout

Start at: Fri, 23 Jun 2017 17:27:09 +0000
End at: Fri, 23 Jun 2017 17:27:39 +0000
Local clock offset: -4.141 ms
Remote clock offset: -14.367 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.06 Mbit/s
95th percentile per-packet one-way delay: 69.181 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 6.06 Mbit/s
95th percentile per-packet one-way delay: 69.181 ms
Loss rate: 0.06%
```

Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: Fri, 23 Jun 2017 17:44:41 +0000
End at: Fri, 23 Jun 2017 17:45:11 +0000
Local clock offset: -4.254 ms
Remote clock offset: -15.323 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 69.424 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.51 Mbit/s
95th percentile per-packet one-way delay: 69.424 ms
Loss rate: 0.00%
```
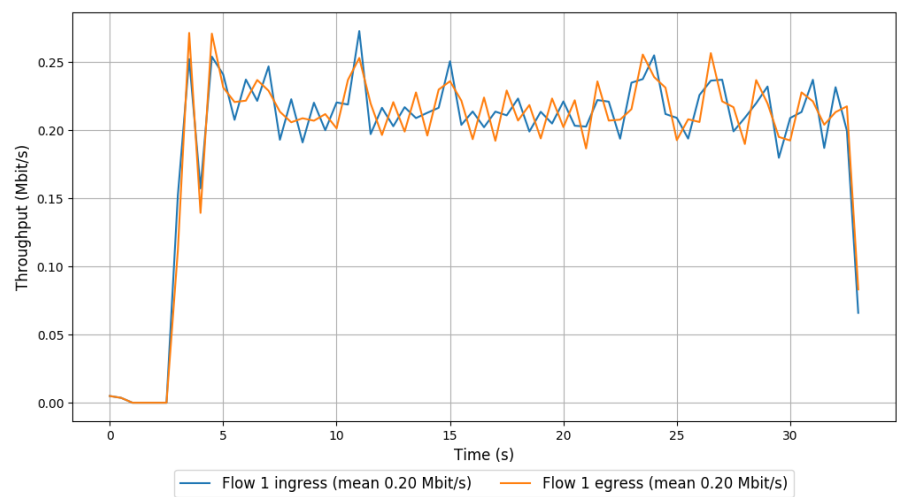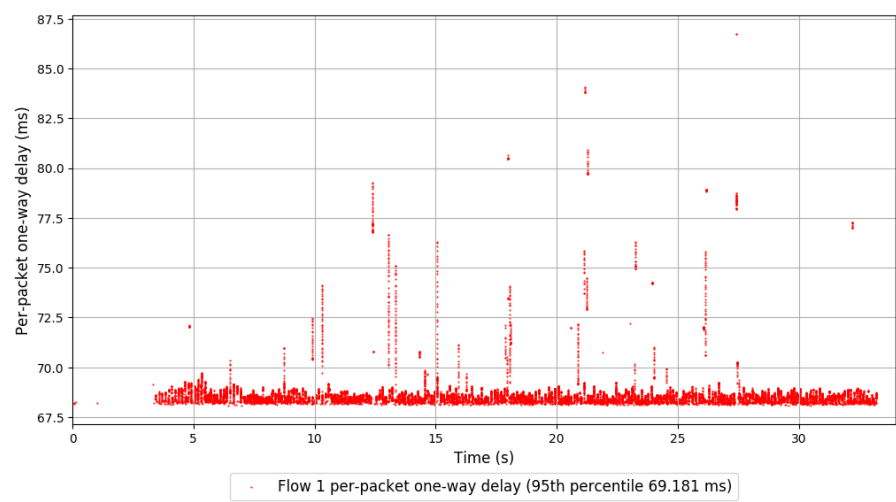
Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 6.51 Mbit/s)   Flow 1 egress (mean 6.51 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 69.424 ms)

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```
Run 3: Statistics of Sprout

Start at: Fri, 23 Jun 2017 18:01:56 +0000
End at: Fri, 23 Jun 2017 18:02:26 +0000
Local clock offset: -4.716 ms
Remote clock offset: -17.744 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 72.648 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 72.648 ms
Loss rate: 0.00%
```
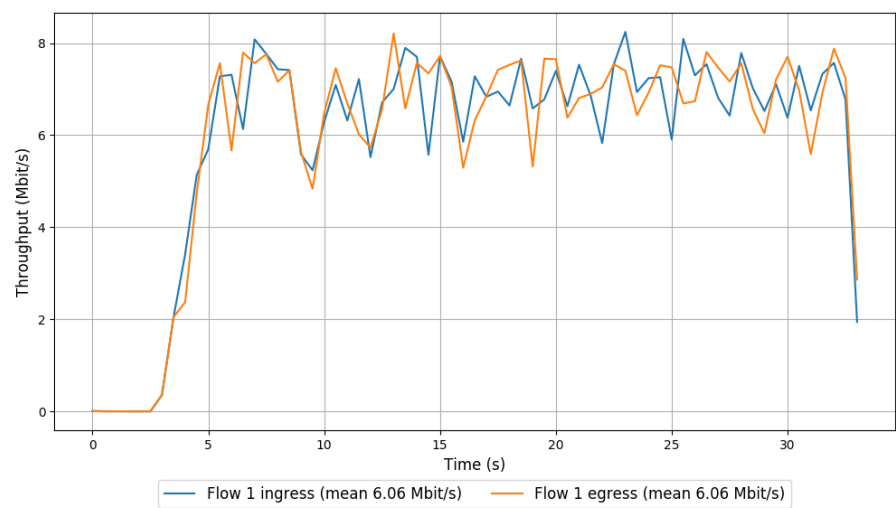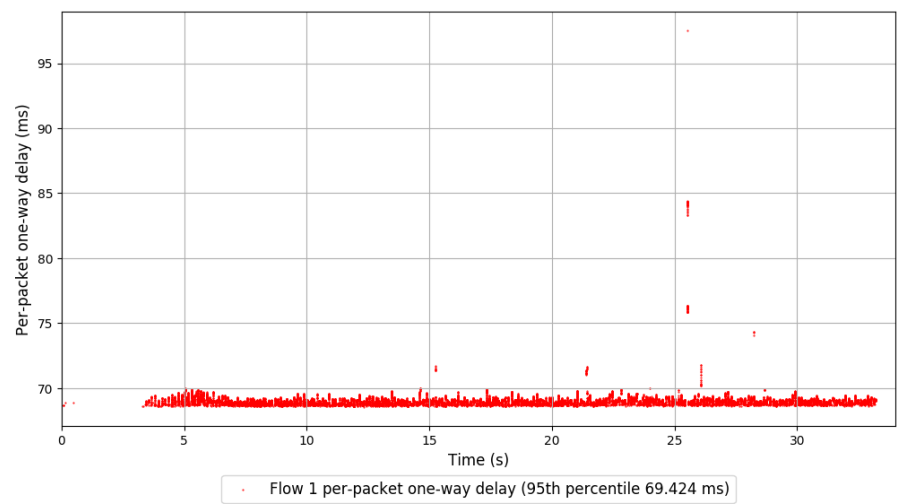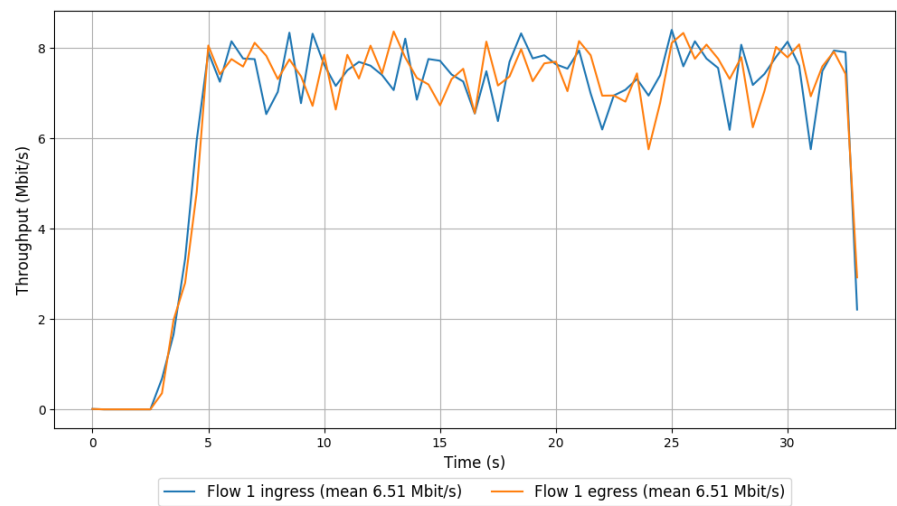
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 5.79 Mbit/s) Flow 1 egress (mean 5.79 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 72.648 ms)

Run 4: Statistics of Sprout

Start at: Fri, 23 Jun 2017 18:19:32 +0000
End at: Fri, 23 Jun 2017 18:20:02 +0000
Local clock offset: 2.145 ms
Remote clock offset: -16.857 ms

Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: Fri, 23 Jun 2017 18:37:01 +0000
End at: Fri, 23 Jun 2017 18:37:32 +0000
Local clock offset: 2.994 ms
Remote clock offset: -14.03 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 76.165 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 76.165 ms
Loss rate: 0.00%
```
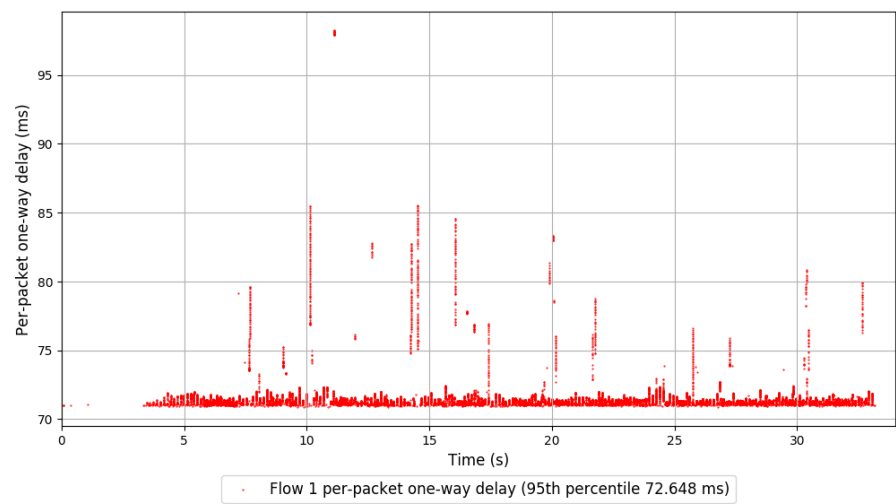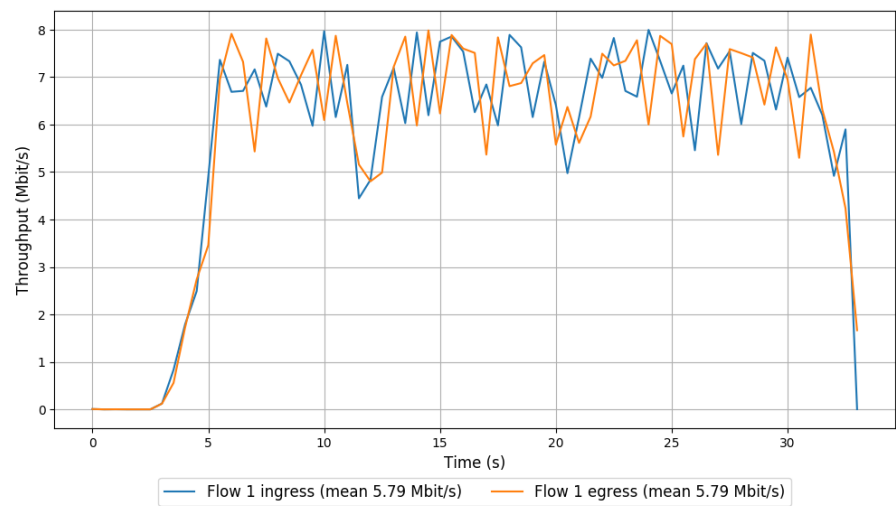
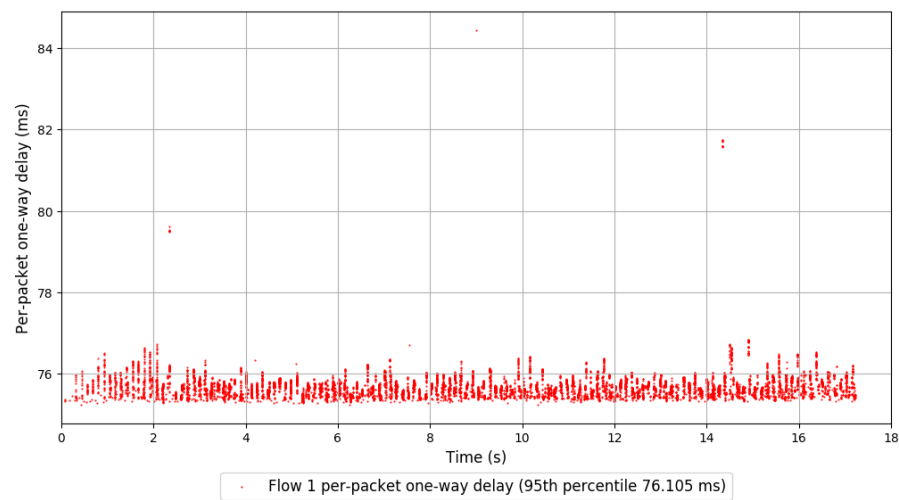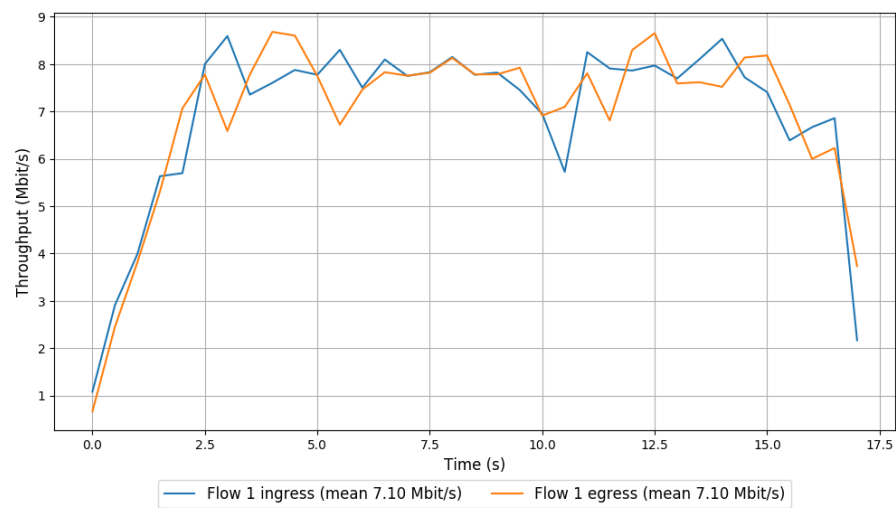Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: Fri, 23 Jun 2017 18:54:29 +0000
End at: Fri, 23 Jun 2017 18:54:59 +0000
Local clock offset: -0.116 ms
Remote clock offset: -13.515 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 72.485 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 72.485 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 6.47 Mbit/s)   Flow 1 egress (mean 6.47 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 72.485 ms)

```
Run 7: Statistics of Sprout

Start at: Fri, 23 Jun 2017 19:11:57 +0000
End at: Fri, 23 Jun 2017 19:12:27 +0000
Local clock offset: -1.05 ms
Remote clock offset: -10.893 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 68.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 68.970 ms
Loss rate: 0.00%
```
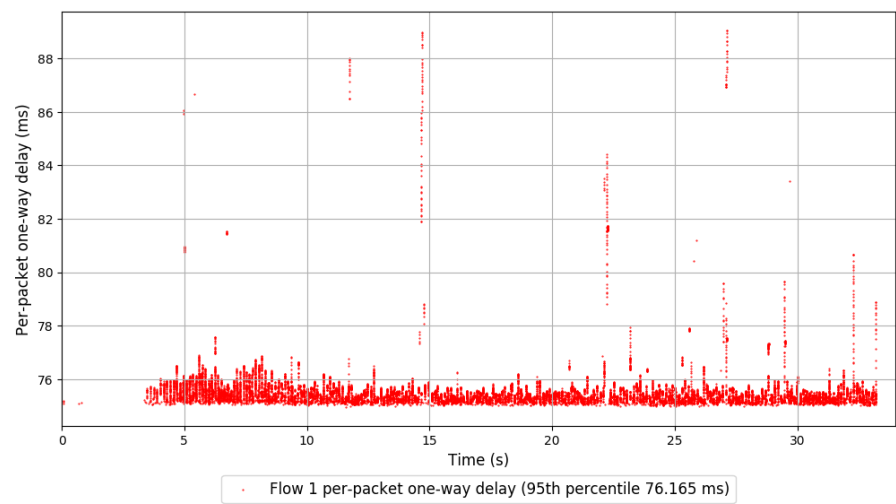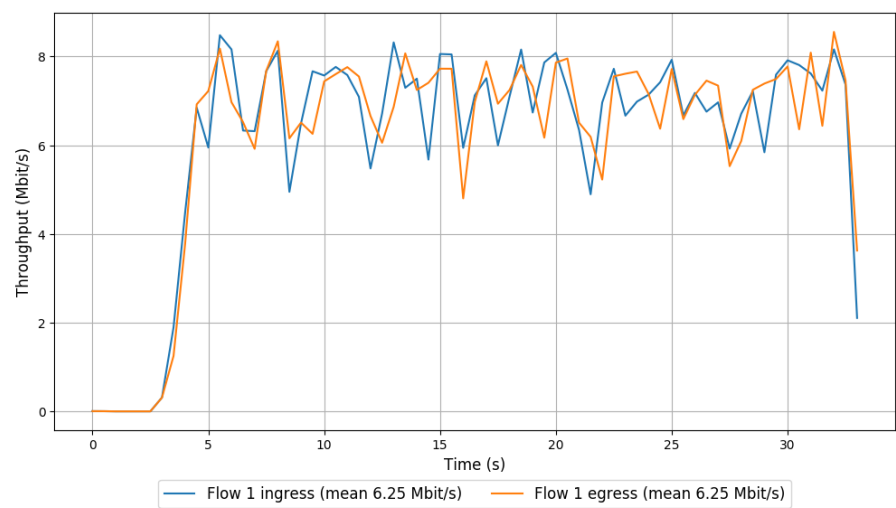
Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: Fri, 23 Jun 2017 19:29:29 +0000
End at: Fri, 23 Jun 2017 19:29:59 +0000
Local clock offset: 0.417 ms
Remote clock offset: -8.54 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 68.445 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 68.445 ms
Loss rate: 0.00%
```
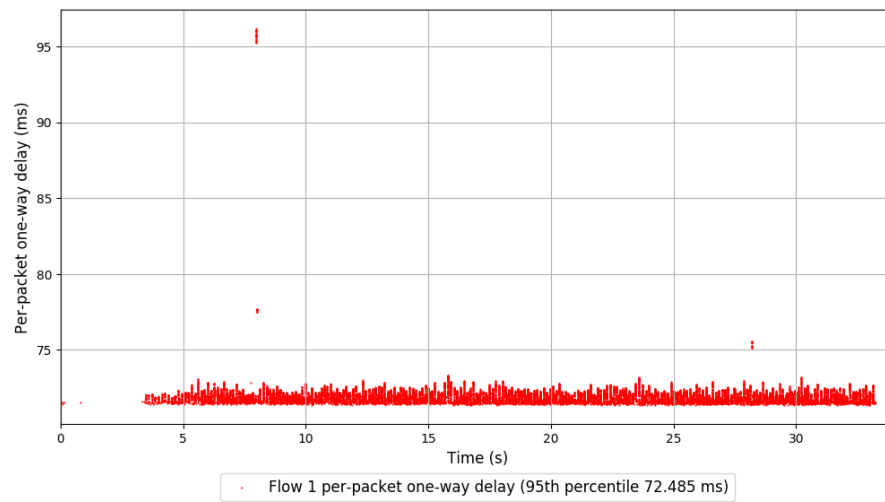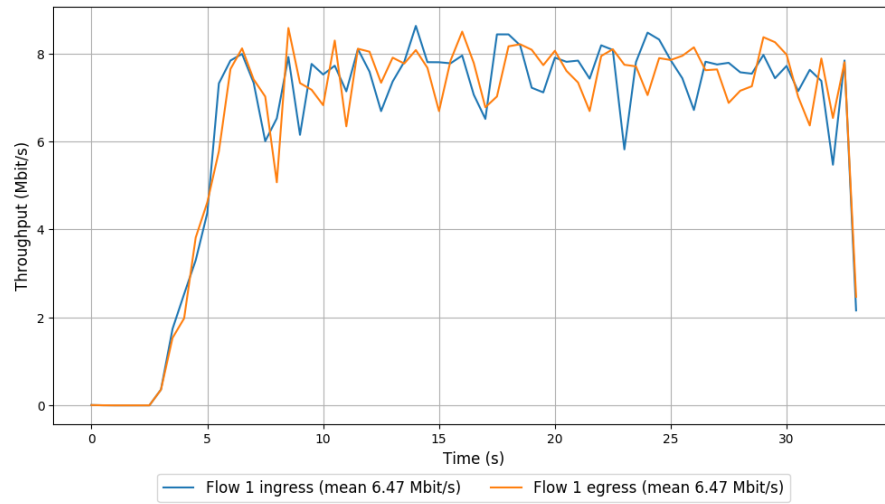
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: Fri, 23 Jun 2017 19:46:56 +0000
End at: Fri, 23 Jun 2017 19:47:26 +0000
Local clock offset: 0.654 ms
Remote clock offset: -11.18 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.24 Mbit/s
95th percentile per-packet one-way delay: 71.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.24 Mbit/s
95th percentile per-packet one-way delay: 71.982 ms
Loss rate: 0.00%
```
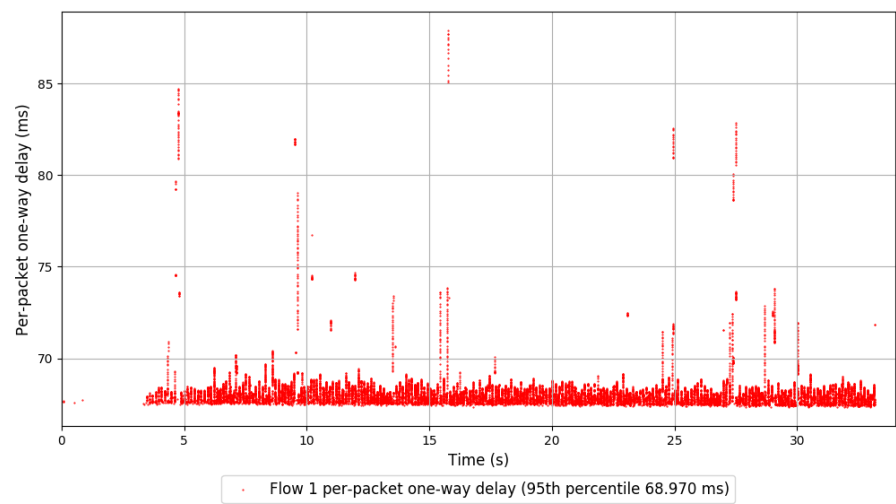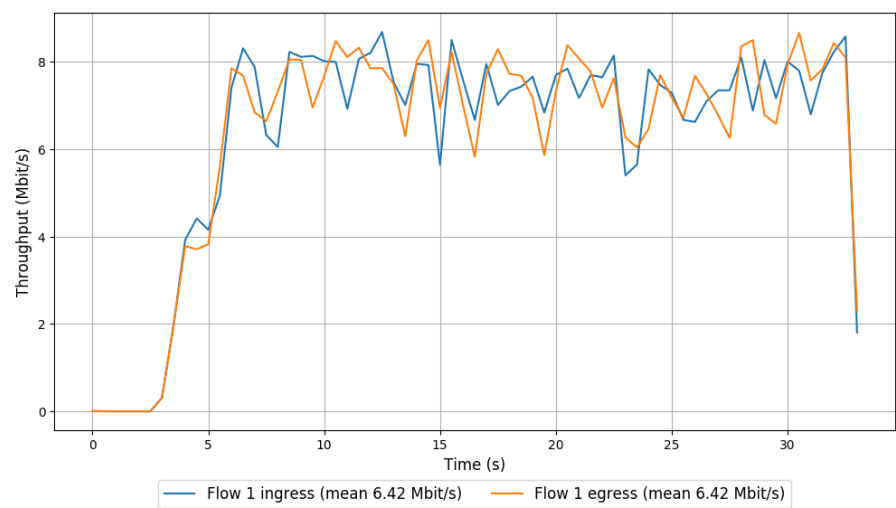
Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 6.24 Mbit/s)   Flow 1 egress (mean 6.24 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 71.982 ms)

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```
Run 10: Statistics of Sprout

Start at: Fri, 23 Jun 2017 20:04:18 +0000
End at: Fri, 23 Jun 2017 20:04:48 +0000
Local clock offset: -2.673 ms
Remote clock offset: -9.505 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 64.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 64.168 ms
Loss rate: 0.00%
```
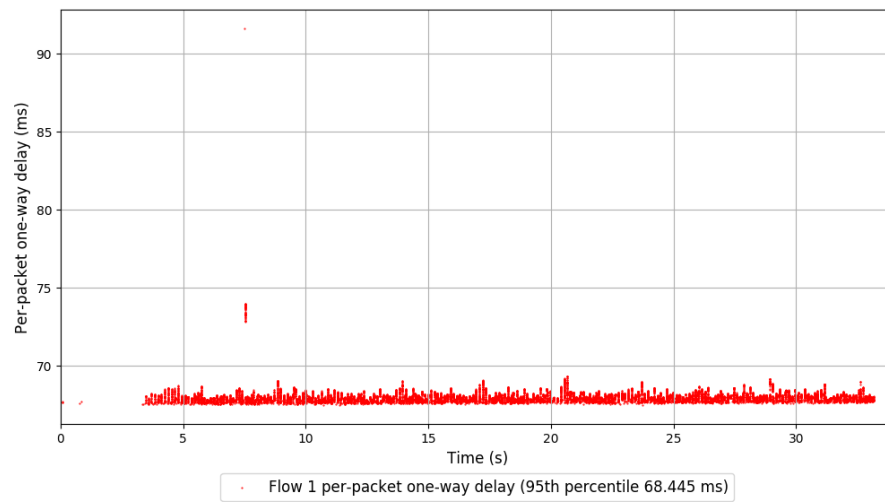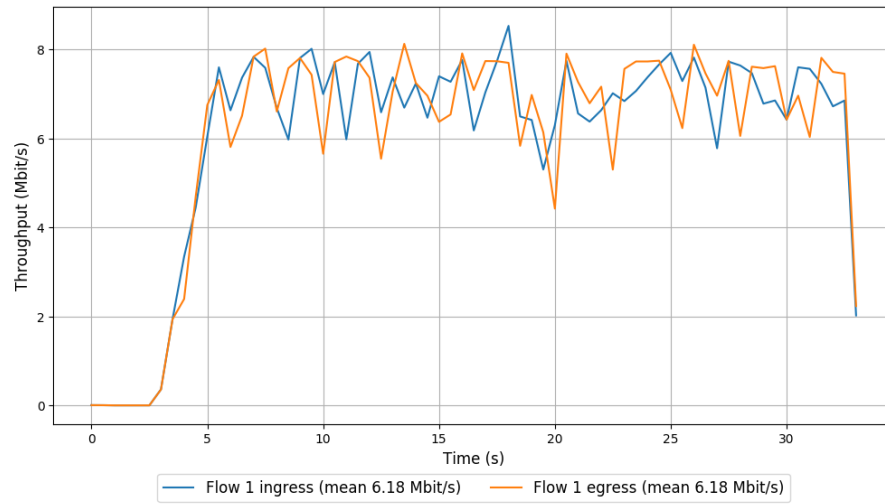
Run 10: Report of Sprout — Data Link

```
Run 1: Statistics of TaoVA-100x

Start at: Fri, 23 Jun 2017 17:31:53 +0000
End at: Fri, 23 Jun 2017 17:32:23 +0000
Local clock offset: -4.6 ms
Remote clock offset: -14.094 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.94 Mbit/s
95th percentile per-packet one-way delay: 122.280 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 52.94 Mbit/s
95th percentile per-packet one-way delay: 122.280 ms
Loss rate: 0.11%
```
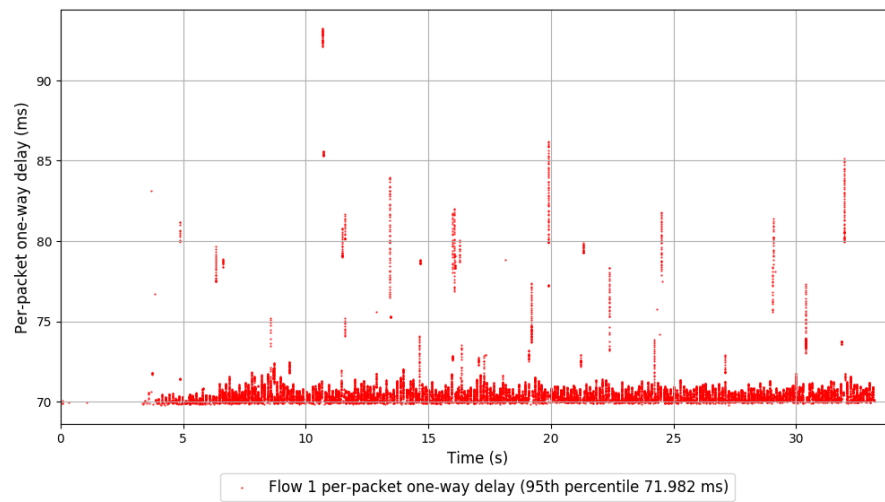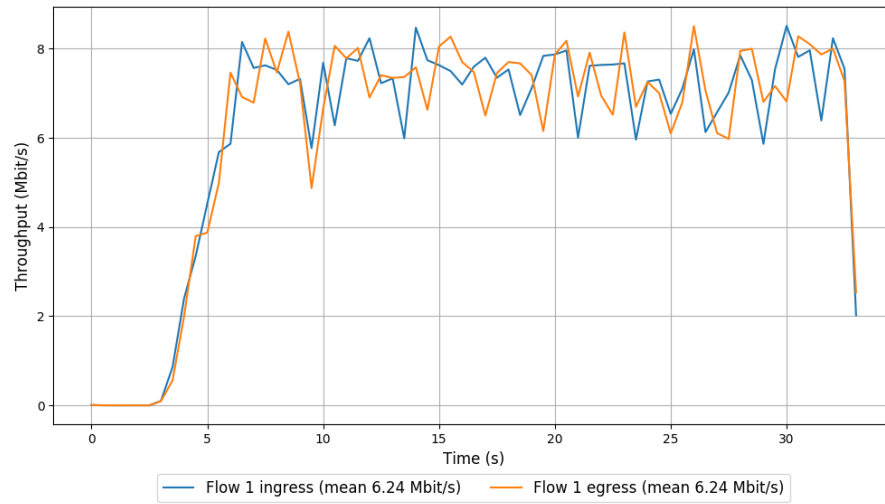
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 53.00 Mbit/s) — Flow 1 egress (mean 52.94 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 122.280 ms)

```
Run 2: Statistics of TaoVA-100x

Start at: Fri, 23 Jun 2017 17:49:14 +0000
End at: Fri, 23 Jun 2017 17:49:44 +0000
Local clock offset: -4.363 ms
Remote clock offset: -16.0 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 114.280 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.81 Mbit/s
95th percentile per-packet one-way delay: 114.280 ms
Loss rate: 0.00%
```
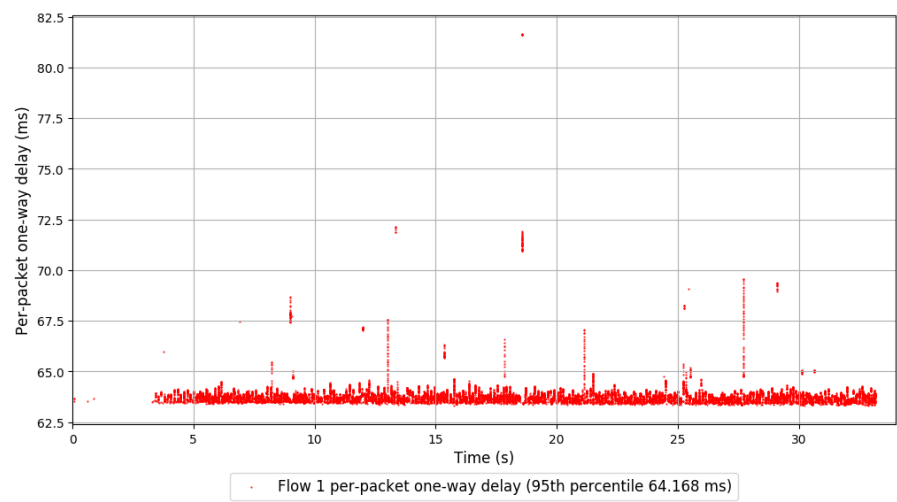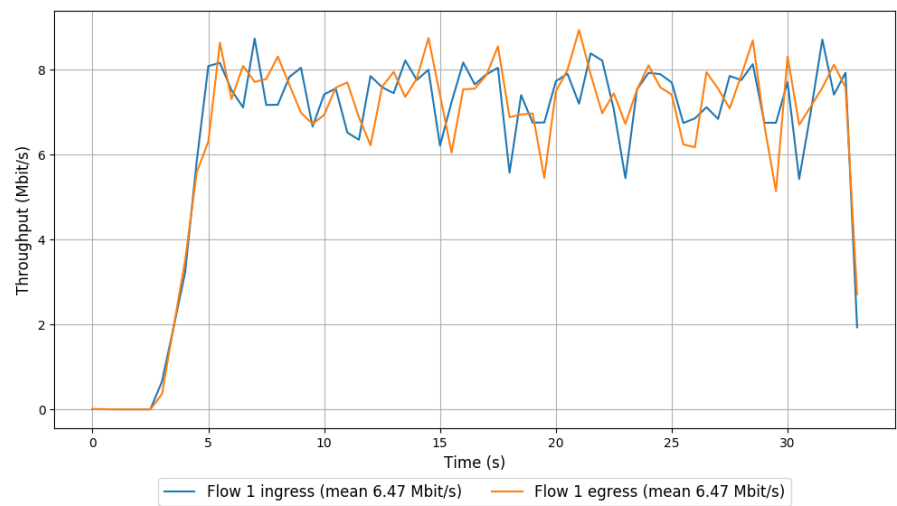
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 58.87 Mbit/s)   Flow 1 egress (mean 58.81 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 114.280 ms)

```
Run 3: Statistics of TaoVA-100x

Start at: Fri, 23 Jun 2017 18:06:44 +0000
End at: Fri, 23 Jun 2017 18:07:14 +0000
Local clock offset: -4.203 ms
Remote clock offset: -17.742 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 124.984 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 124.984 ms
Loss rate: 0.06%
```
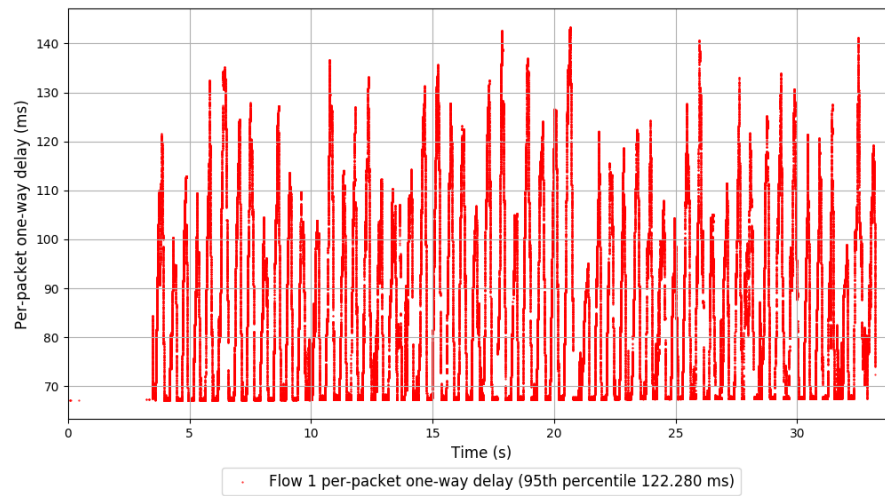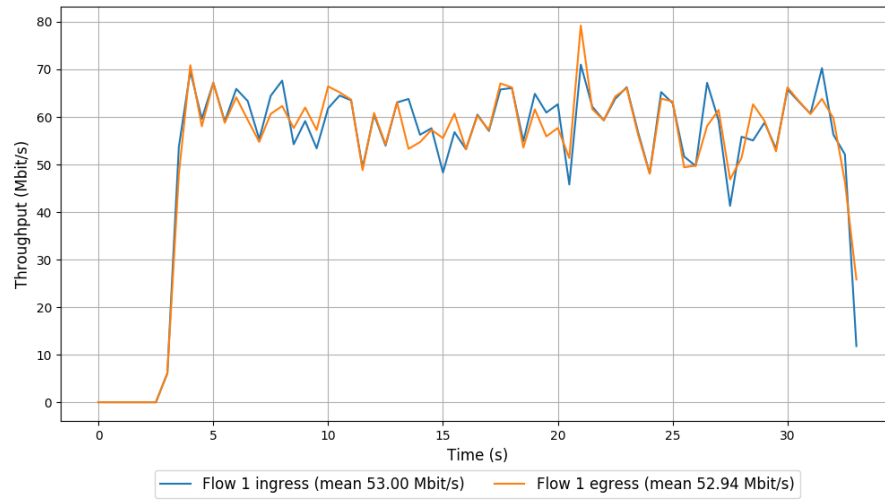
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 54.00 Mbit/s) — Flow 1 egress (mean 53.92 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 124.984 ms)

```
Run 4: Statistics of TaoVA-100x

Start at: Fri, 23 Jun 2017 18:24:10 +0000
End at: Fri, 23 Jun 2017 18:24:40 +0000
Local clock offset: 2.887 ms
Remote clock offset: -16.346 ms

# Below is generated by plot.py at Fri, 23 Jun 2017 23:40:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 113.604 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: 113.604 ms
Loss rate: 0.00%
```
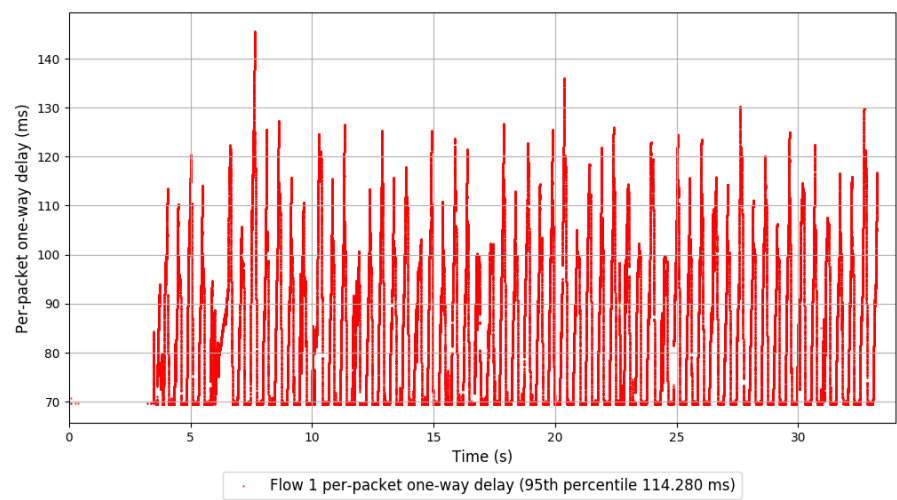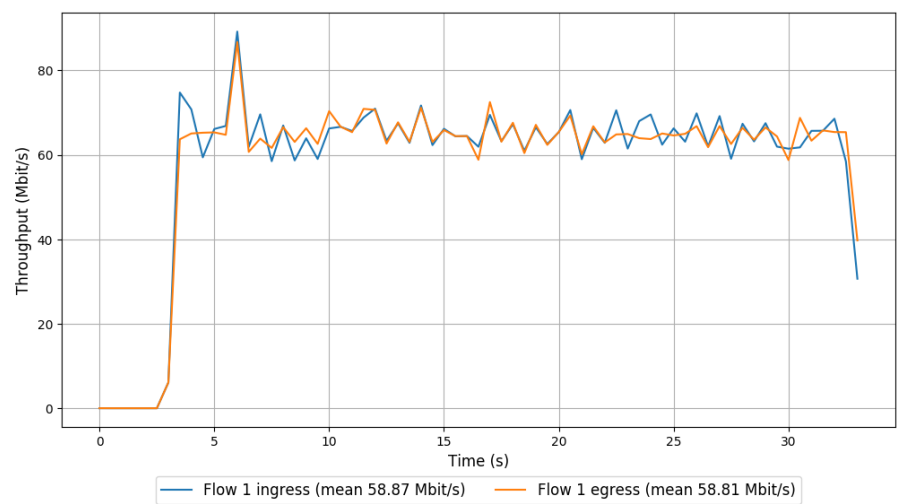
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 61.10 Mbit/s)   Flow 1 egress (mean 61.04 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 113.604 ms)

```
Run 5: Statistics of TaoVA-100x

Start at: Fri, 23 Jun 2017 18:41:45 +0000
End at: Fri, 23 Jun 2017 18:42:15 +0000
Local clock offset: 2.28 ms
Remote clock offset: -14.039 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:41:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.47 Mbit/s
95th percentile per-packet one-way delay: 124.016 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 53.47 Mbit/s
95th percentile per-packet one-way delay: 124.016 ms
Loss rate: 0.24%
```
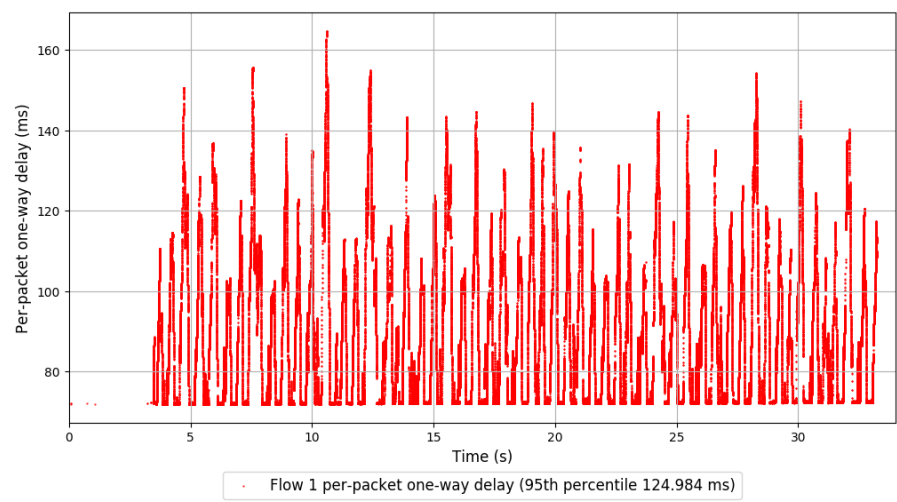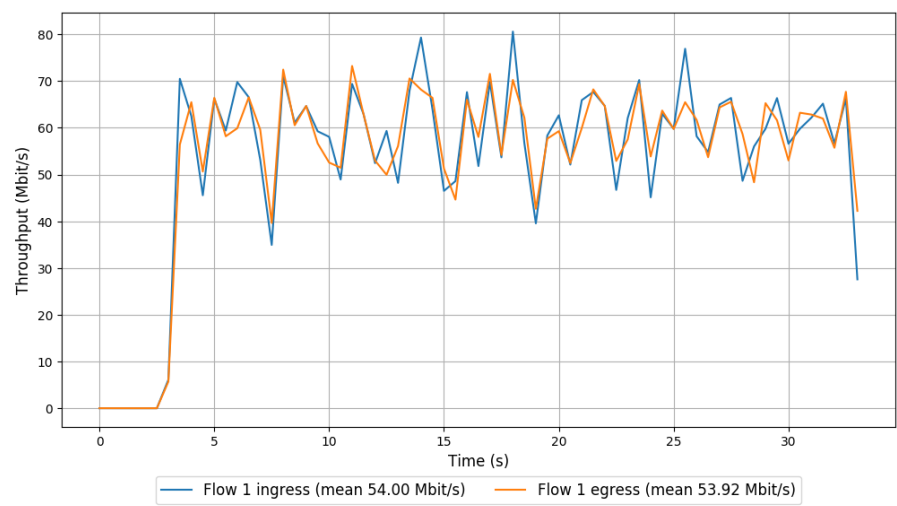
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 53.65 Mbit/s)   Flow 1 egress (mean 53.47 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 124.016 ms)

```
Run 6: Statistics of TaoVA-100x

Start at: Fri, 23 Jun 2017 18:59:05 +0000
End at: Fri, 23 Jun 2017 18:59:35 +0000
Local clock offset: -0.399 ms
Remote clock offset: -13.171 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:41:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 107.051 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 58.35 Mbit/s
95th percentile per-packet one-way delay: 107.051 ms
Loss rate: 0.38%
```
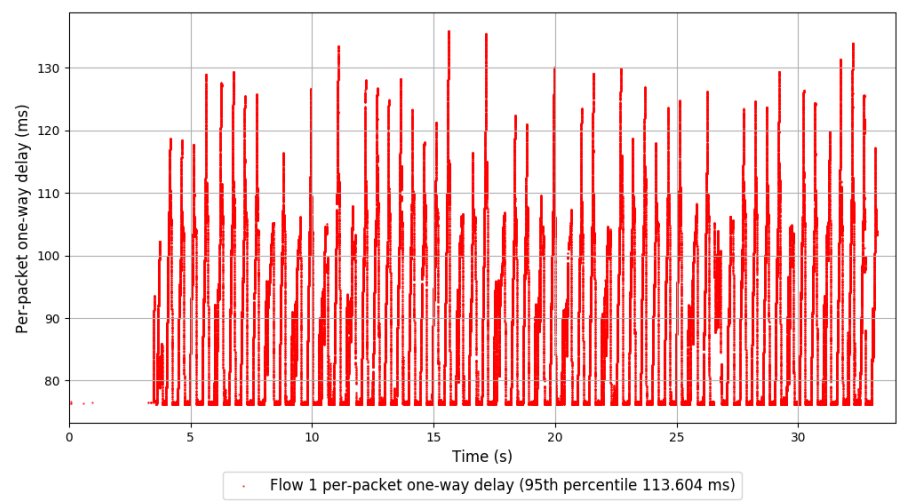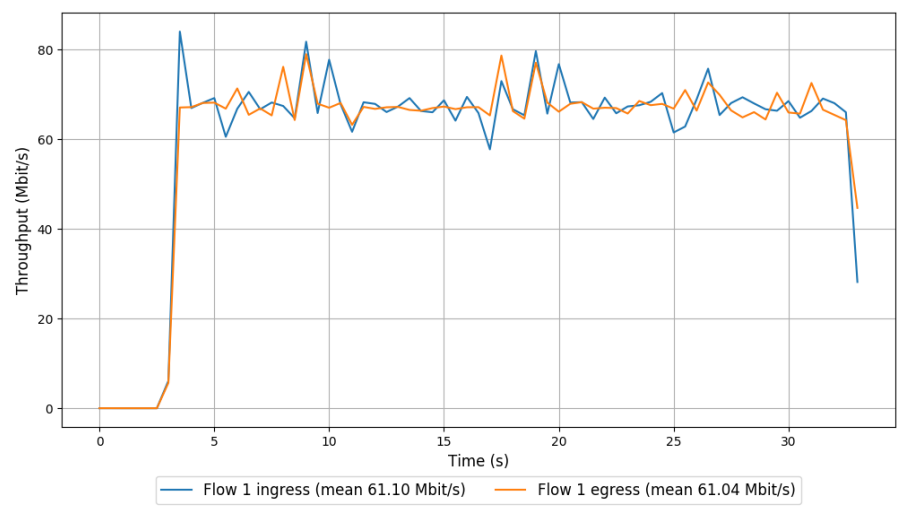
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 58.61 Mbit/s) — Flow 1 egress (mean 58.35 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 107.051 ms)

```
Run 7: Statistics of TaoVA-100x

Start at: Fri, 23 Jun 2017 19:16:38 +0000
End at: Fri, 23 Jun 2017 19:17:08 +0000
Local clock offset: -0.742 ms
Remote clock offset: -10.483 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:41:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.12 Mbit/s
95th percentile per-packet one-way delay: 115.480 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 56.12 Mbit/s
95th percentile per-packet one-way delay: 115.480 ms
Loss rate: 0.28%
```
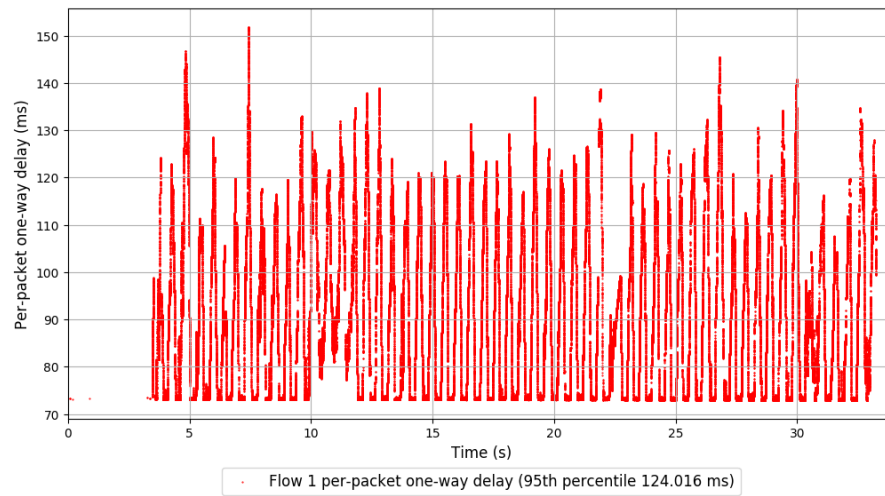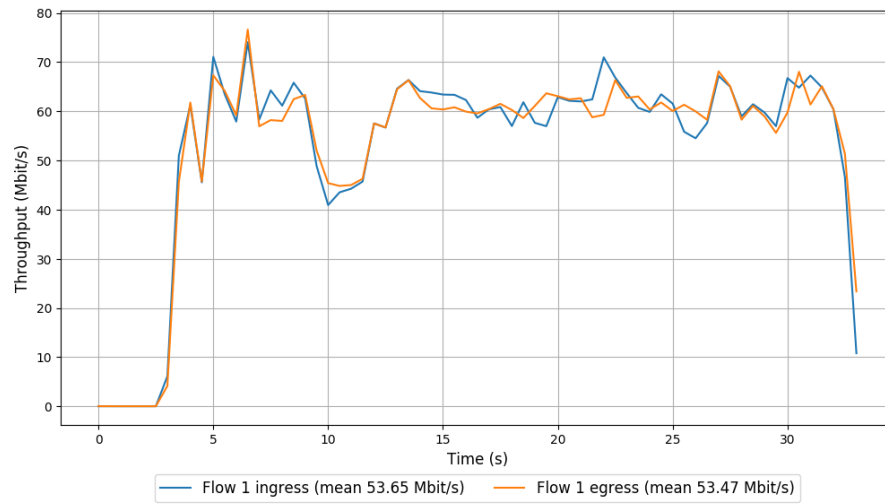
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 56.27 Mbit/s) — Flow 1 egress (mean 56.12 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 115.480 ms)

```
Run 8: Statistics of TaoVA-100x

Start at: Fri, 23 Jun 2017 19:34:20 +0000
End at: Fri, 23 Jun 2017 19:34:50 +0000
Local clock offset: 0.45 ms
Remote clock offset: -9.398 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:41:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 102.534 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 102.534 ms
Loss rate: 1.52%
```
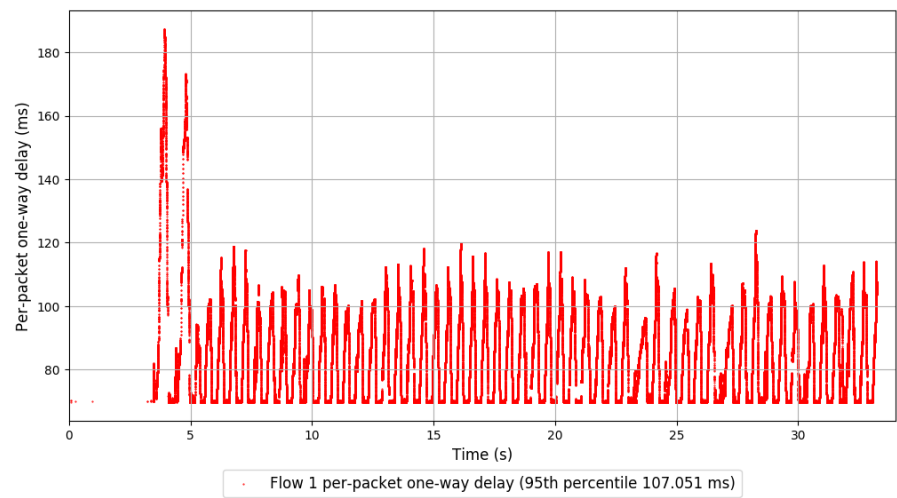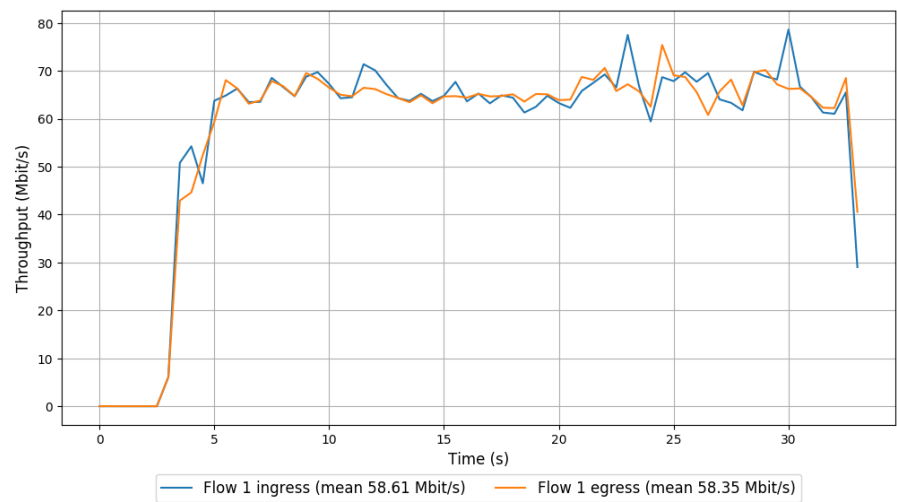
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 60.19 Mbit/s) Flow 1 egress (mean 59.23 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 102.534 ms)

```
Run 9: Statistics of TaoVA-100x

Start at: Fri, 23 Jun 2017 19:51:30 +0000
End at: Fri, 23 Jun 2017 19:52:00 +0000
Local clock offset: -0.517 ms
Remote clock offset: -11.481 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:41:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 110.392 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 56.66 Mbit/s
95th percentile per-packet one-way delay: 110.392 ms
Loss rate: 0.26%
```
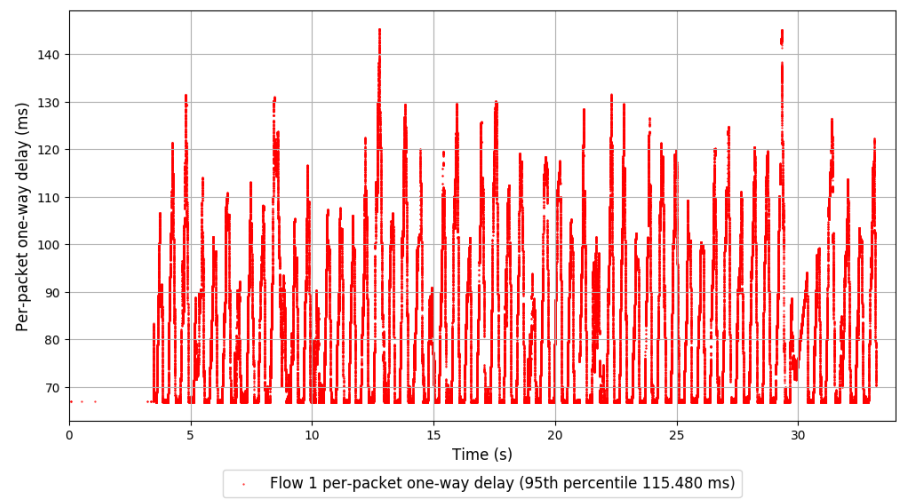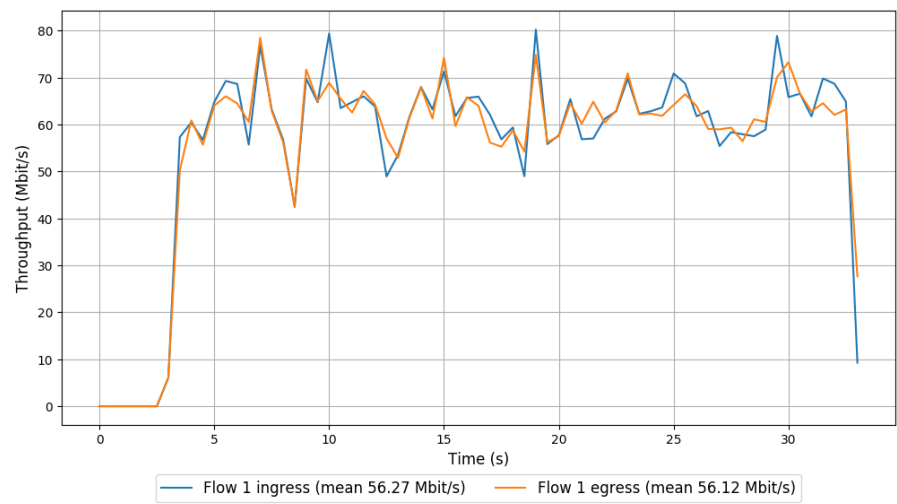
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 56.81 Mbit/s) — Flow 1 egress (mean 56.66 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 110.392 ms)

```
Run 10: Statistics of TaoVA-100x

Start at: Fri, 23 Jun 2017 20:09:01 +0000
End at: Fri, 23 Jun 2017 20:09:31 +0000
Local clock offset: -2.85 ms
Remote clock offset: -9.134 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:41:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 110.594 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 56.31 Mbit/s
95th percentile per-packet one-way delay: 110.594 ms
Loss rate: 0.34%
```
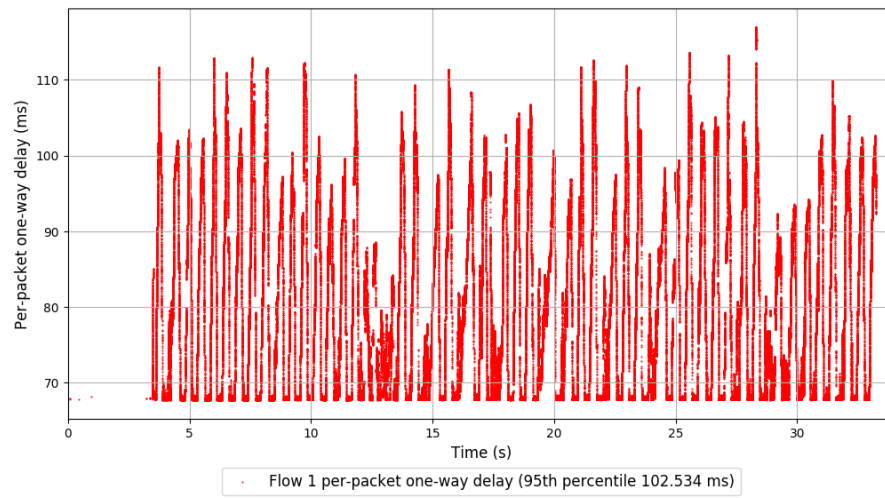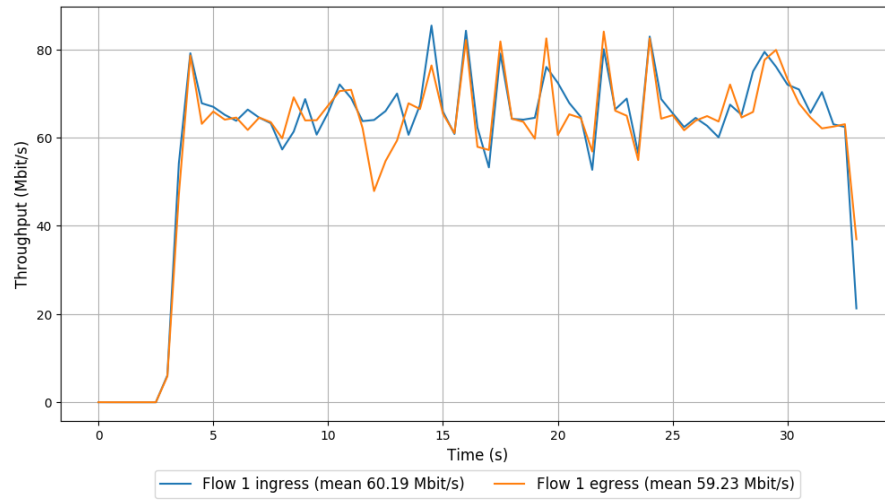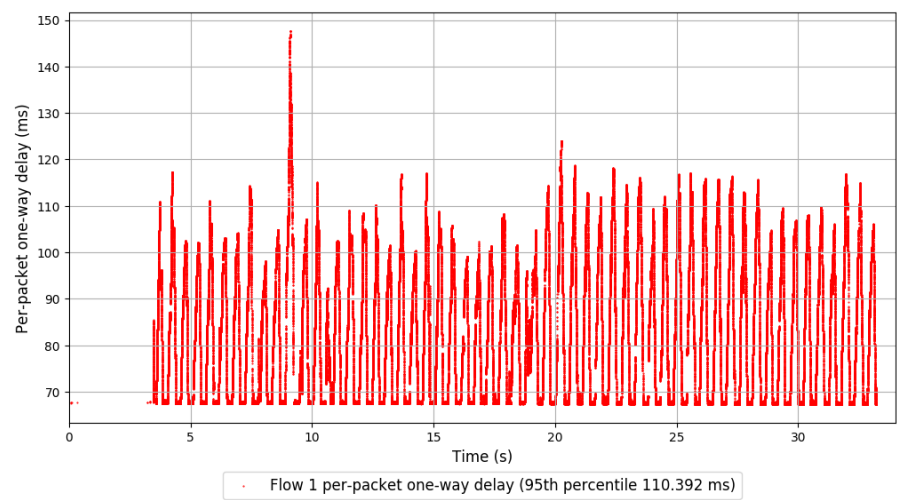
Run 10: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 56.49 Mbit/s)   Flow 1 egress (mean 56.31 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 110.594 ms)

```
Run 1: Statistics of TCP Vegas

Start at: Fri, 23 Jun 2017 17:20:09 +0000
End at: Fri, 23 Jun 2017 17:20:39 +0000
Local clock offset: -3.502 ms
Remote clock offset: -13.734 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:41:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 204.444 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 59.55 Mbit/s
95th percentile per-packet one-way delay: 204.444 ms
Loss rate: 0.09%
```
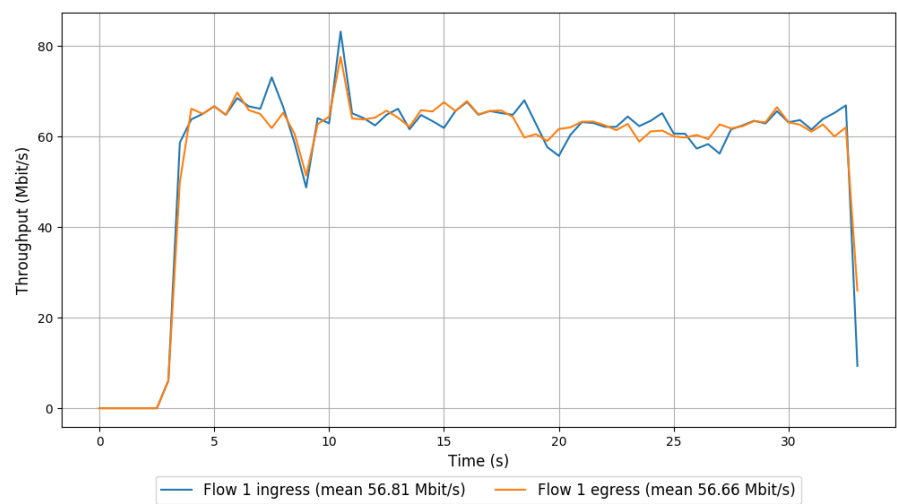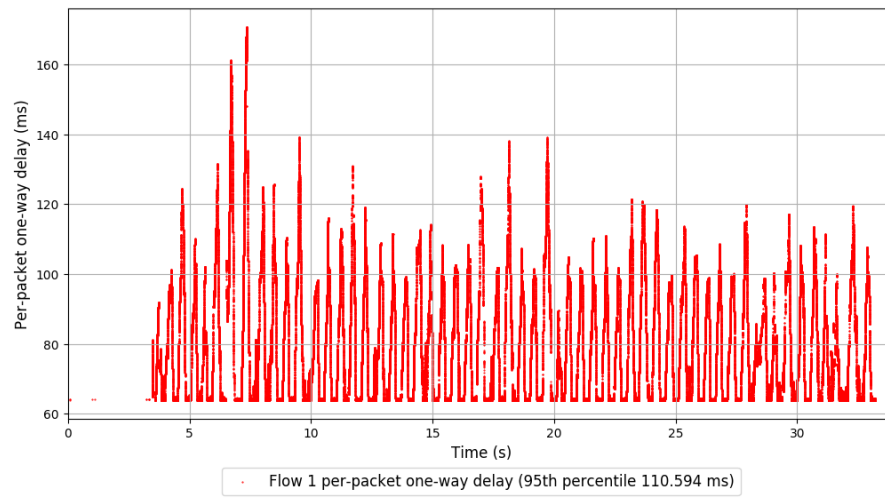
Run 1: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 59.60 Mbit/s) — Flow 1 egress (mean 59.55 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 204.444 ms)

```
Run 2: Statistics of TCP Vegas

Start at: Fri, 23 Jun 2017 17:37:50 +0000
End at: Fri, 23 Jun 2017 17:38:20 +0000
Local clock offset: -3.935 ms
Remote clock offset: -14.322 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:41:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 265.765 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 30.24 Mbit/s
95th percentile per-packet one-way delay: 265.765 ms
Loss rate: 0.04%
```
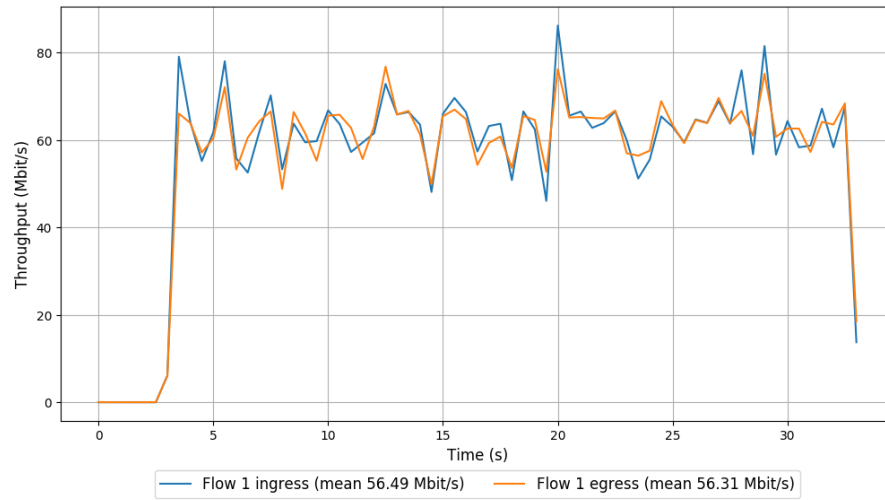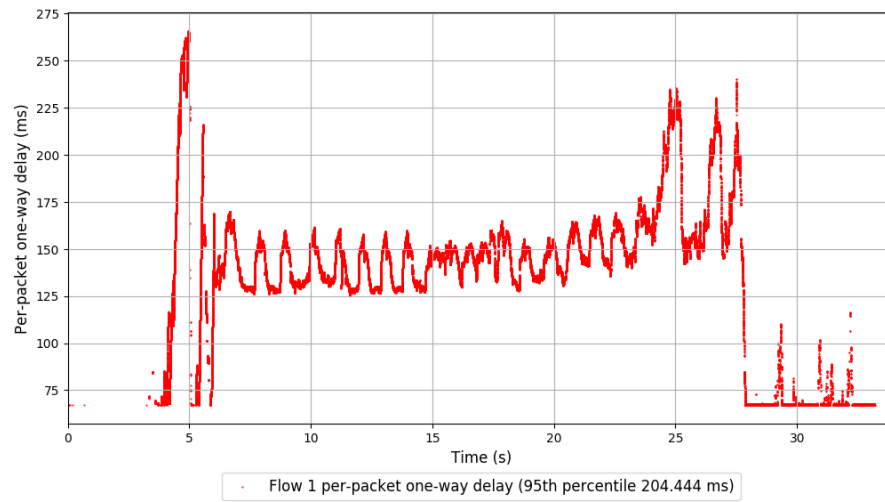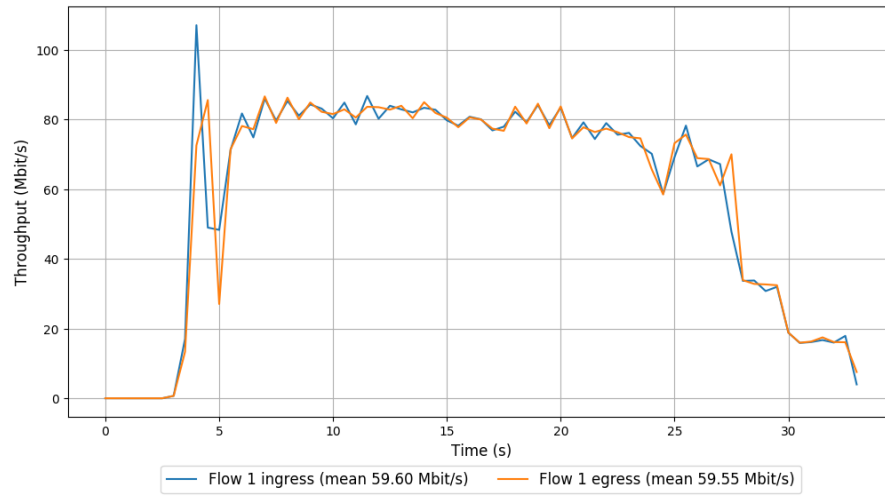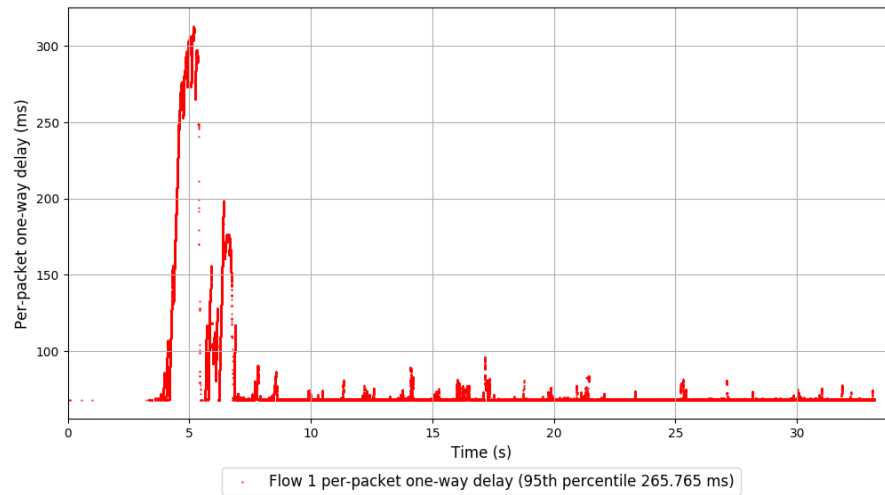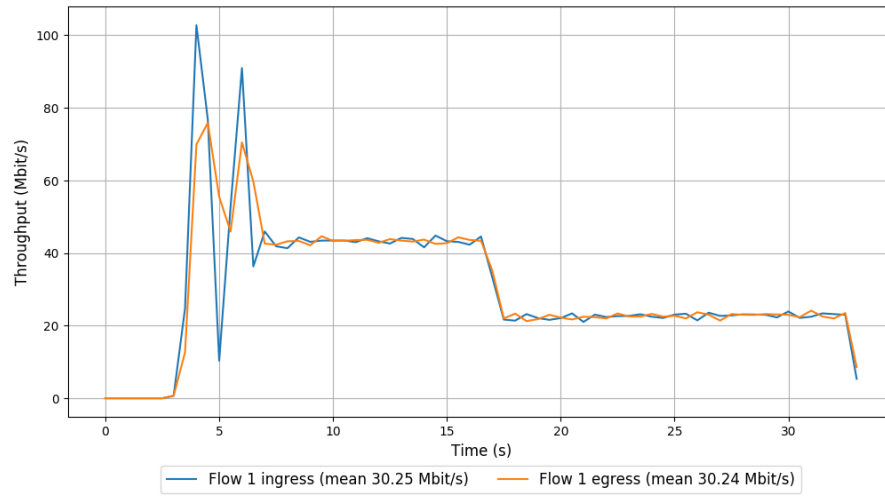
Run 2: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 30.25 Mbit/s) — Flow 1 egress (mean 30.24 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 265.765 ms)

```
Run 3: Statistics of TCP Vegas

Start at: Fri, 23 Jun 2017 17:55:05 +0000
End at: Fri, 23 Jun 2017 17:55:35 +0000
Local clock offset: -4.48 ms
Remote clock offset: -16.922 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:41:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 198.331 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 198.331 ms
Loss rate: 0.07%
```
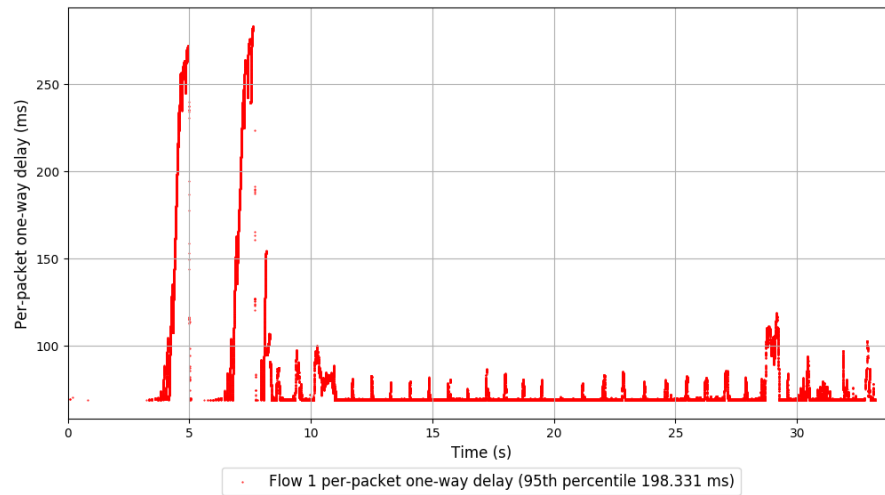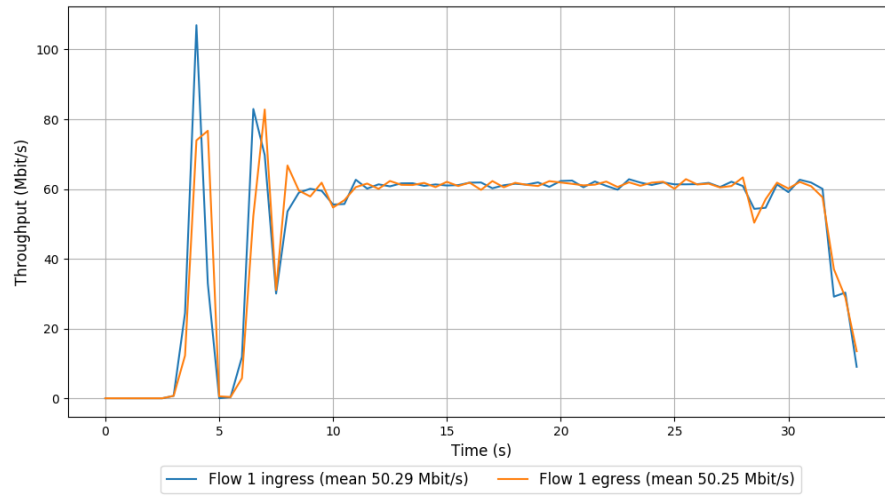
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 50.29 Mbit/s)   Flow 1 egress (mean 50.25 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 198.331 ms)

```
Run 4: Statistics of TCP Vegas

Start at: Fri, 23 Jun 2017 18:12:39 +0000
End at: Fri, 23 Jun 2017 18:13:09 +0000
Local clock offset: -0.241 ms
Remote clock offset: -17.667 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:41:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.39 Mbit/s
95th percentile per-packet one-way delay: 162.393 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 35.39 Mbit/s
95th percentile per-packet one-way delay: 162.393 ms
Loss rate: 0.06%
```
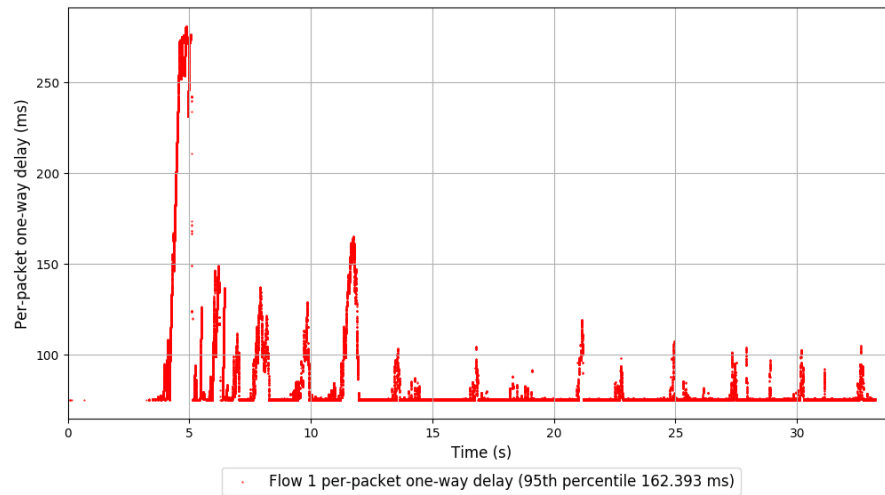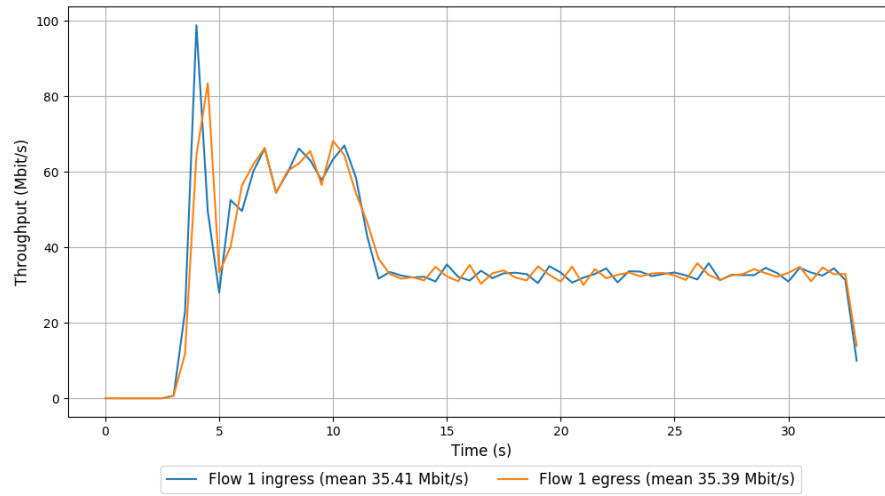
Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 35.41 Mbit/s) — Flow 1 egress (mean 35.39 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 162.393 ms)

```
Run 5: Statistics of TCP Vegas

Start at: Fri, 23 Jun 2017 18:30:01 +0000
End at: Fri, 23 Jun 2017 18:30:31 +0000
Local clock offset: 2.997 ms
Remote clock offset: -15.361 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.66 Mbit/s
95th percentile per-packet one-way delay: 153.647 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.66 Mbit/s
95th percentile per-packet one-way delay: 153.647 ms
Loss rate: 0.04%
```
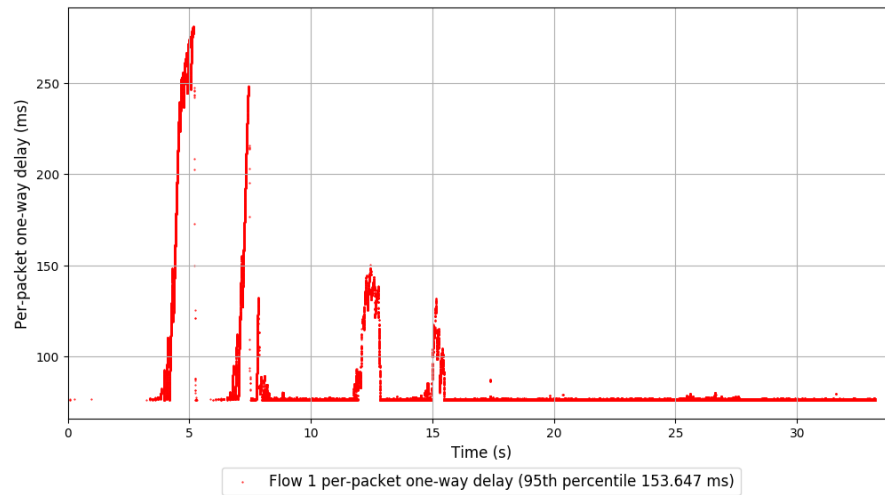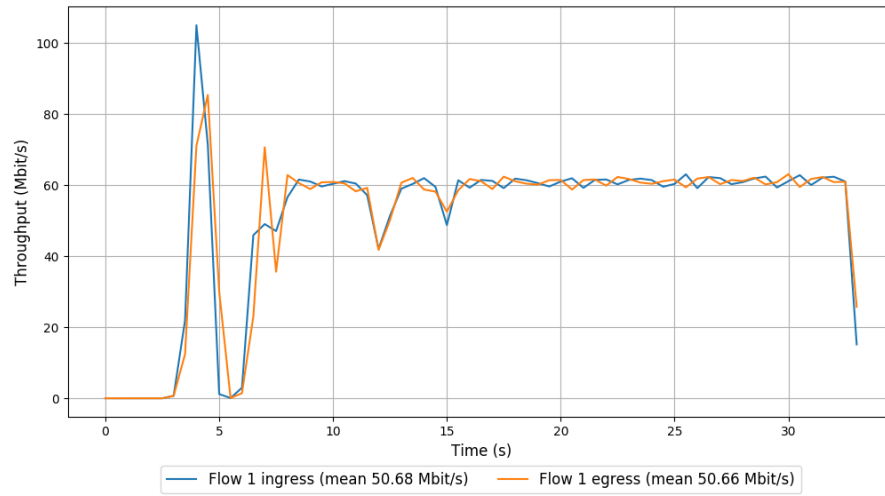
Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 50.68 Mbit/s)   Flow 1 egress (mean 50.66 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 153.647 ms)

```
Run 6: Statistics of TCP Vegas

Start at: Fri, 23 Jun 2017 18:47:36 +0000
End at: Fri, 23 Jun 2017 18:48:06 +0000
Local clock offset: 0.799 ms
Remote clock offset: -13.993 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 131.658 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 57.84 Mbit/s
95th percentile per-packet one-way delay: 131.658 ms
Loss rate: 0.03%
```
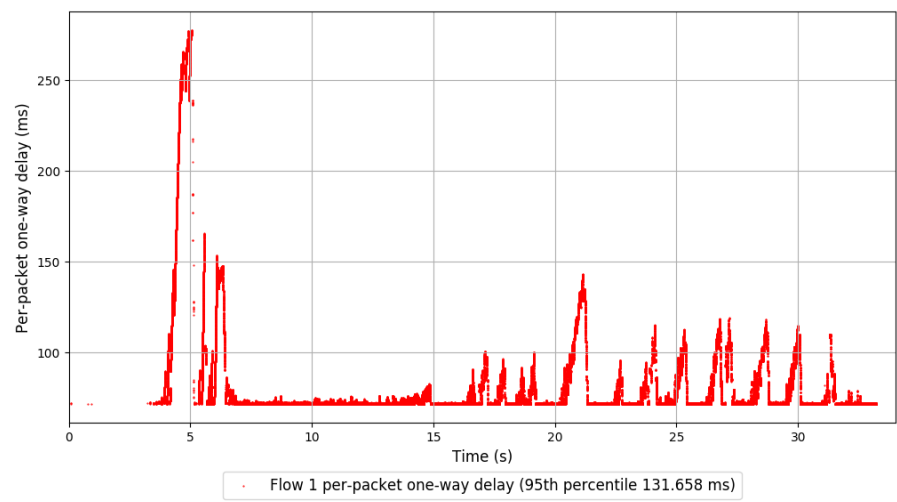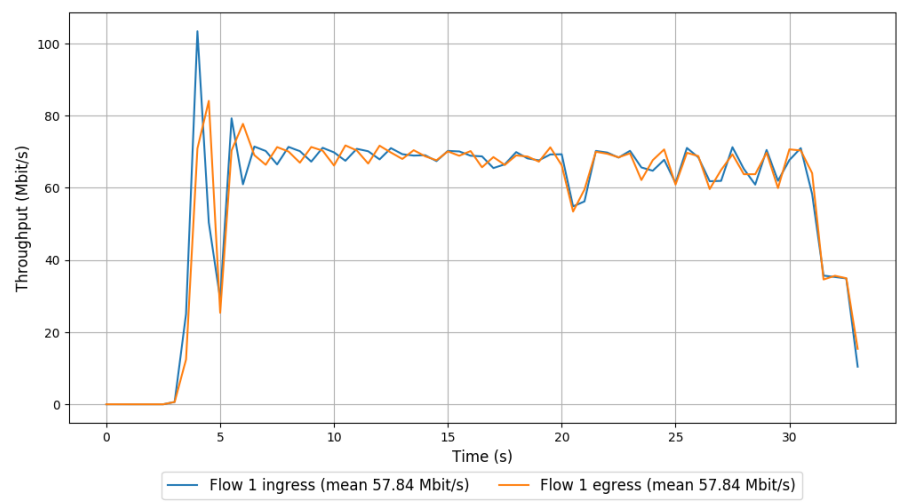
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 57.84 Mbit/s) —— Flow 1 egress (mean 57.84 Mbit/s)

·   Flow 1 per-packet one-way delay (95th percentile 131.658 ms)

```
Run 7: Statistics of TCP Vegas

Start at: Fri, 23 Jun 2017 19:04:57 +0000
End at: Fri, 23 Jun 2017 19:05:27 +0000
Local clock offset: -0.694 ms
Remote clock offset: -13.219 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.23 Mbit/s
95th percentile per-packet one-way delay: 165.245 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 51.23 Mbit/s
95th percentile per-packet one-way delay: 165.245 ms
Loss rate: 0.08%
```
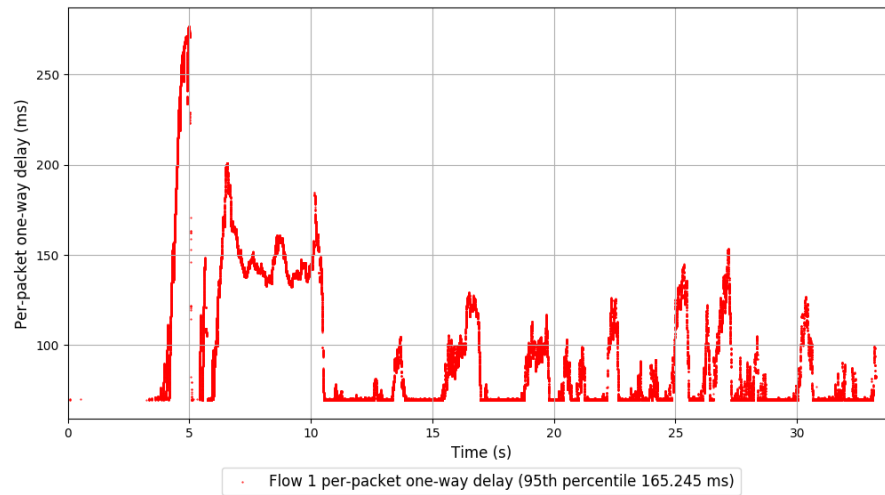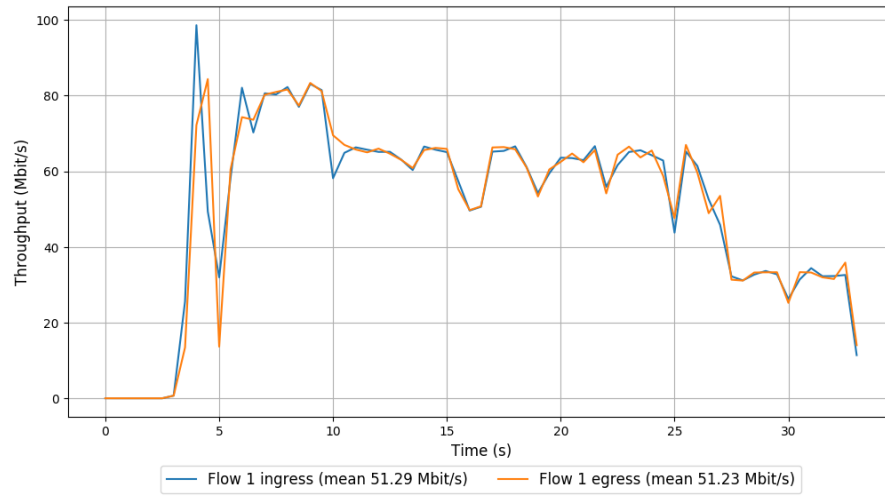
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 51.29 Mbit/s)   Flow 1 egress (mean 51.23 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 165.245 ms)

```
Run 8: Statistics of TCP Vegas

Start at: Fri, 23 Jun 2017 19:22:37 +0000
End at: Fri, 23 Jun 2017 19:23:07 +0000
Local clock offset: 0.031 ms
Remote clock offset: -9.251 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.48 Mbit/s
95th percentile per-packet one-way delay: 197.390 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 46.48 Mbit/s
95th percentile per-packet one-way delay: 197.390 ms
Loss rate: 0.06%
```
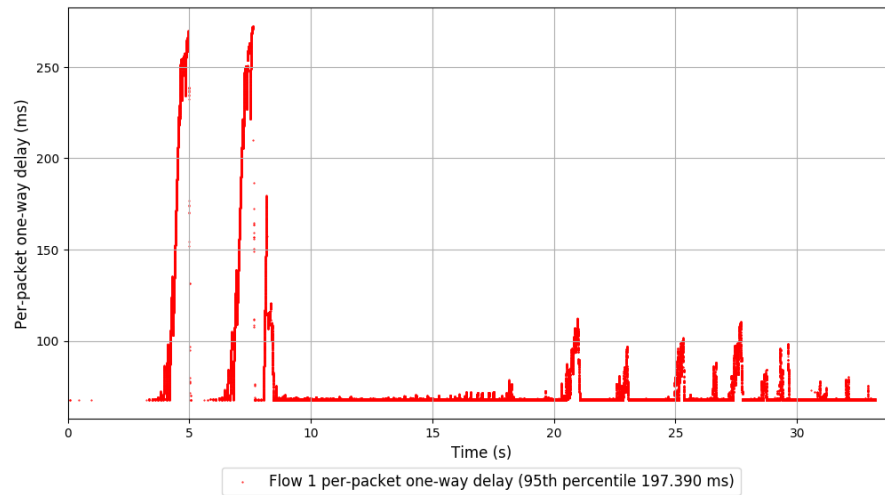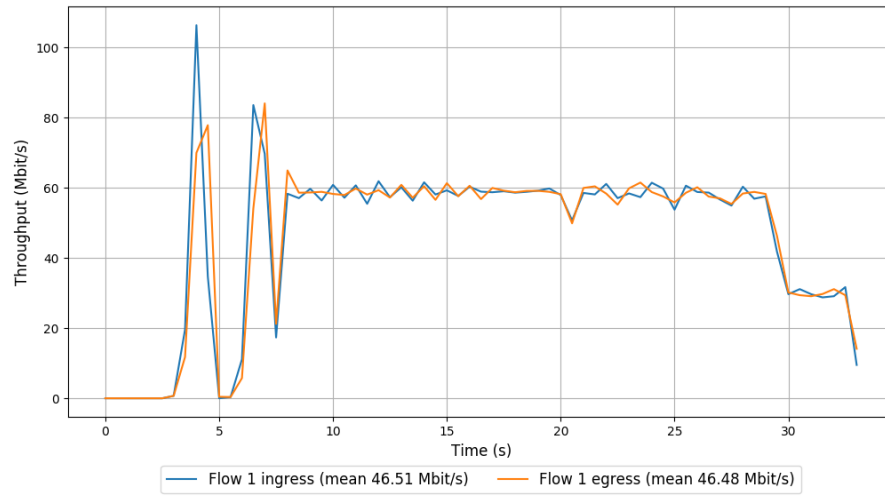
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 46.51 Mbit/s)   Flow 1 egress (mean 46.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 197.390 ms)

```
Run 9: Statistics of TCP Vegas

Start at: Fri, 23 Jun 2017 19:40:10 +0000
End at: Fri, 23 Jun 2017 19:40:40 +0000
Local clock offset: 0.478 ms
Remote clock offset: -10.224 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 97.380 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 97.380 ms
Loss rate: 0.12%
```
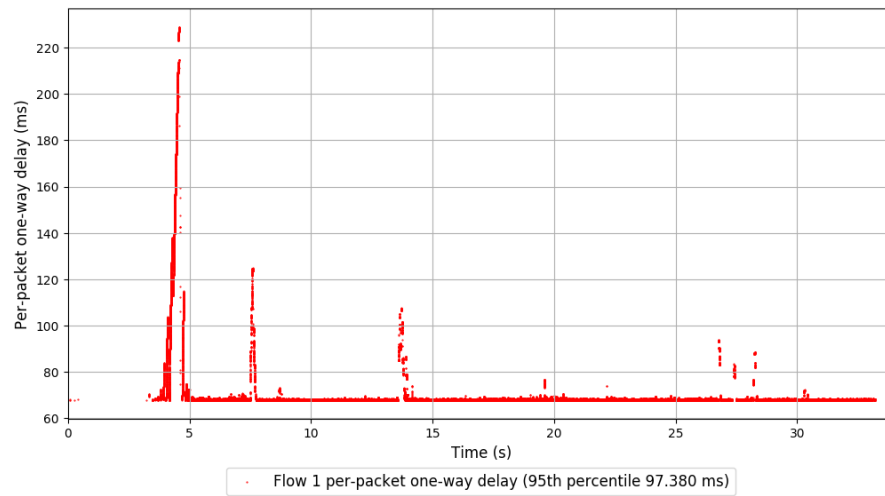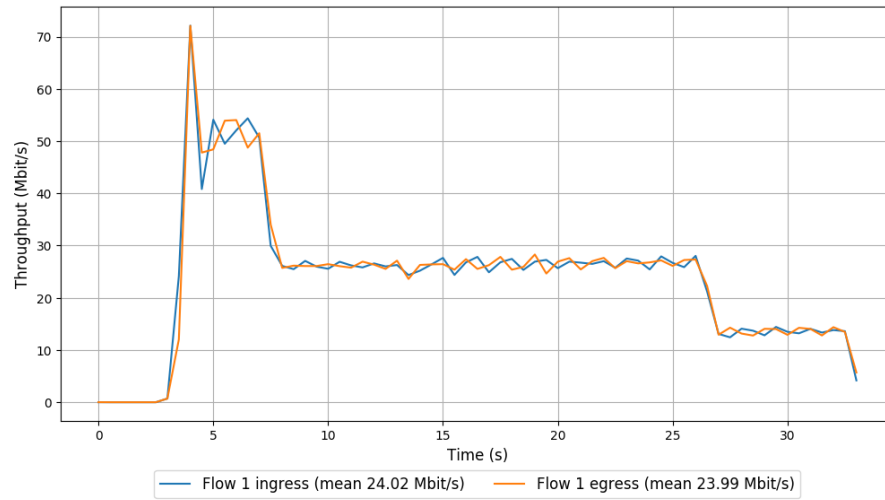
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 24.02 Mbit/s) —— Flow 1 egress (mean 23.99 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 97.380 ms)

```
Run 10: Statistics of TCP Vegas

Start at: Fri, 23 Jun 2017 19:57:27 +0000
End at: Fri, 23 Jun 2017 19:57:57 +0000
Local clock offset: -1.857 ms
Remote clock offset: -10.229 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 83.360 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 30.66 Mbit/s
95th percentile per-packet one-way delay: 83.360 ms
Loss rate: 0.16%
```
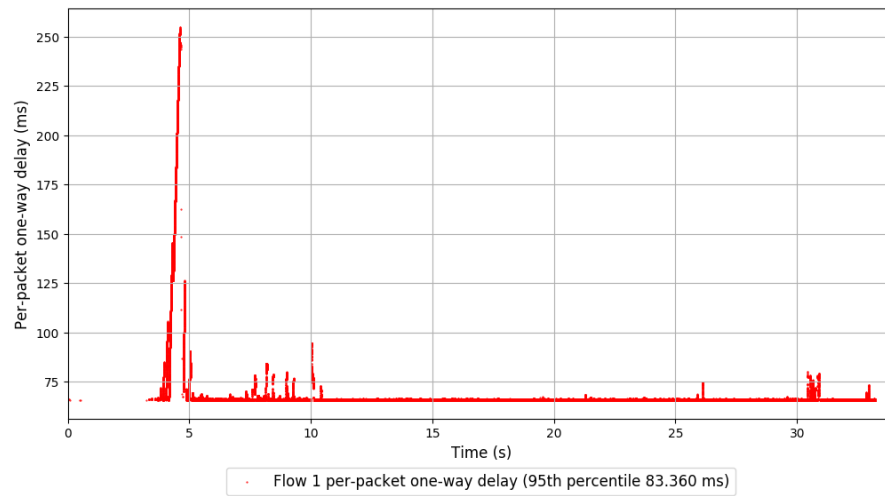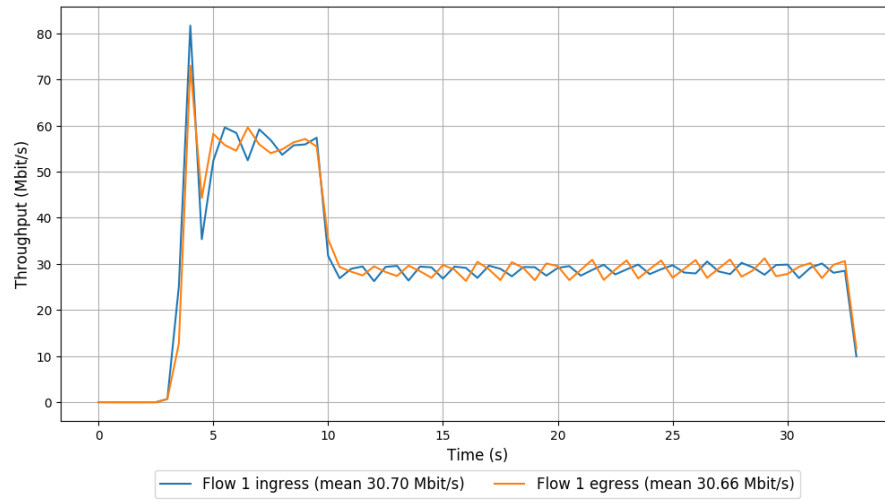
Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 30.70 Mbit/s)   Flow 1 egress (mean 30.66 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 83.360 ms)

```
Run 1: Statistics of Verus

Start at: Fri, 23 Jun 2017 17:28:16 +0000
End at: Fri, 23 Jun 2017 17:28:46 +0000
Local clock offset: -4.248 ms
Remote clock offset: -14.288 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.32 Mbit/s
95th percentile per-packet one-way delay: 327.578 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 72.32 Mbit/s
95th percentile per-packet one-way delay: 327.578 ms
Loss rate: 0.21%
```
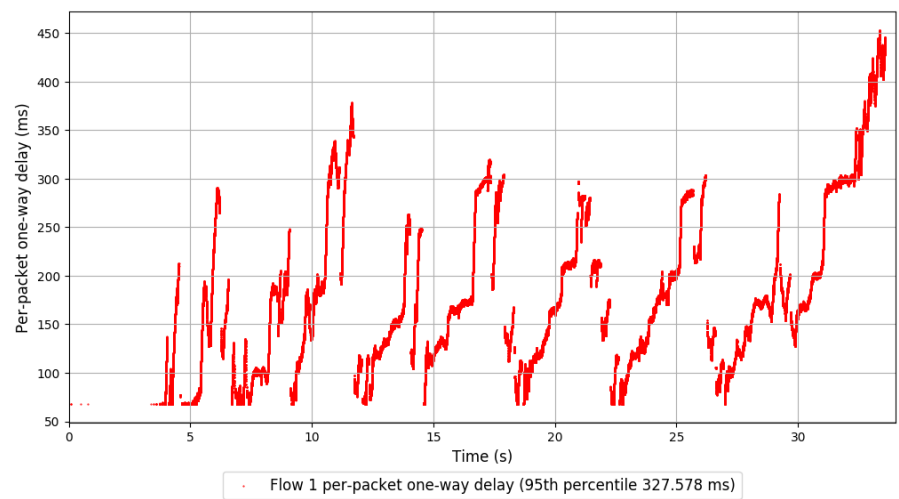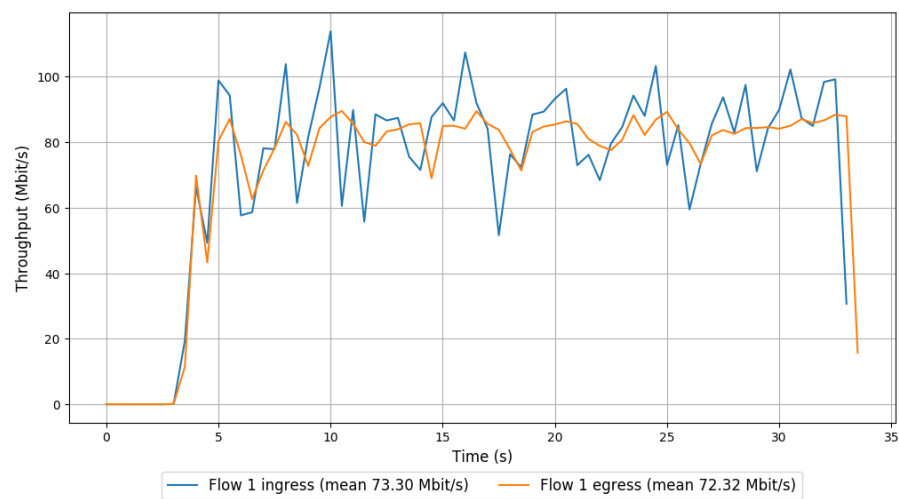
Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 73.30 Mbit/s)   Flow 1 egress (mean 72.32 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 327.578 ms)

265

```
Run 2: Statistics of Verus

Start at: Fri, 23 Jun 2017 17:45:48 +0000
End at: Fri, 23 Jun 2017 17:46:18 +0000
Local clock offset: -4.356 ms
Remote clock offset: -15.243 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.08 Mbit/s
95th percentile per-packet one-way delay: 697.667 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 68.08 Mbit/s
95th percentile per-packet one-way delay: 697.667 ms
Loss rate: 1.37%
```
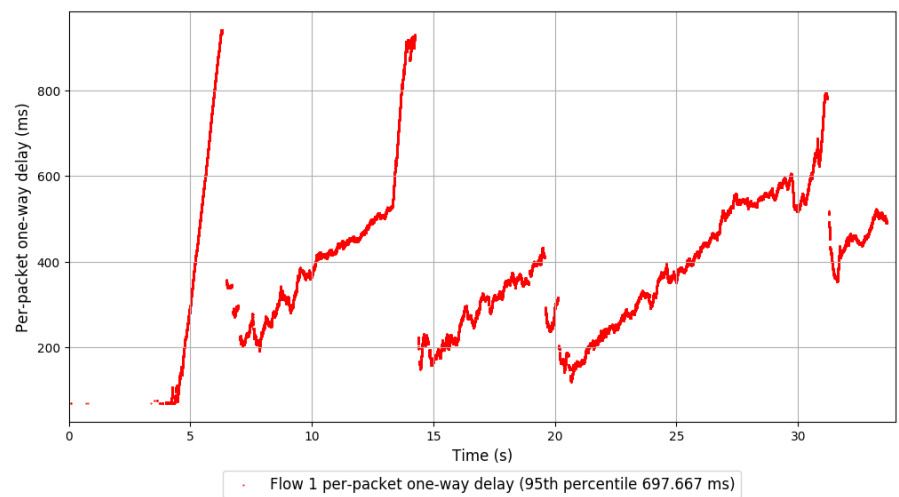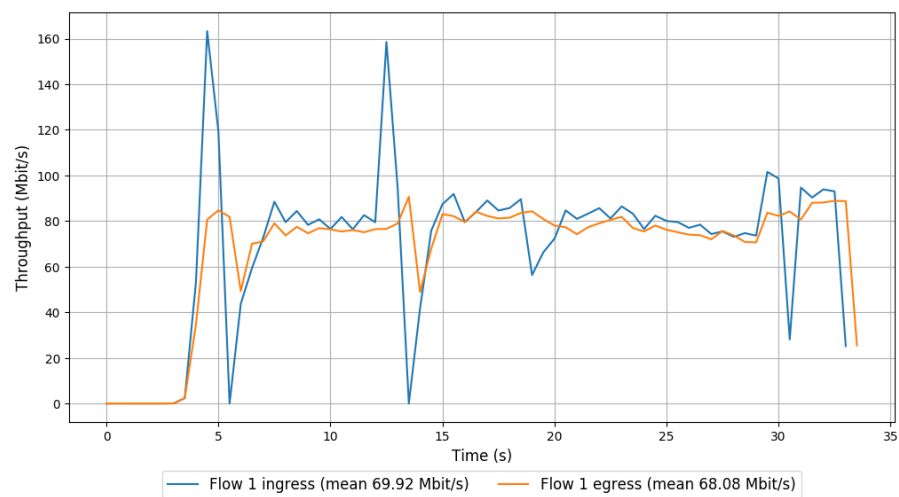
Run 2: Report of Verus — Data Link

Flow 1 ingress (mean 69.92 Mbit/s) —— Flow 1 egress (mean 68.08 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 697.667 ms)

```
Run 3: Statistics of Verus

Start at: Fri, 23 Jun 2017 18:03:02 +0000
End at: Fri, 23 Jun 2017 18:03:32 +0000
Local clock offset: -4.829 ms
Remote clock offset: -17.364 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.45 Mbit/s
95th percentile per-packet one-way delay: 634.315 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 71.45 Mbit/s
95th percentile per-packet one-way delay: 634.315 ms
Loss rate: 0.20%
```
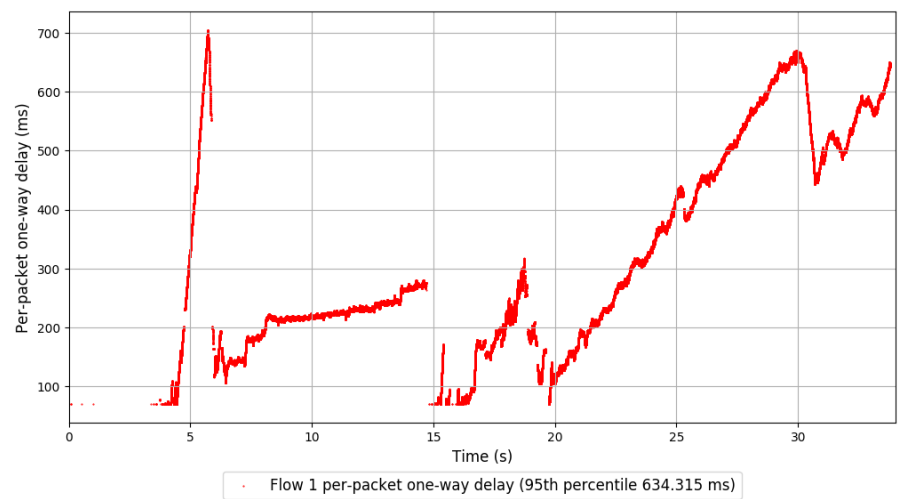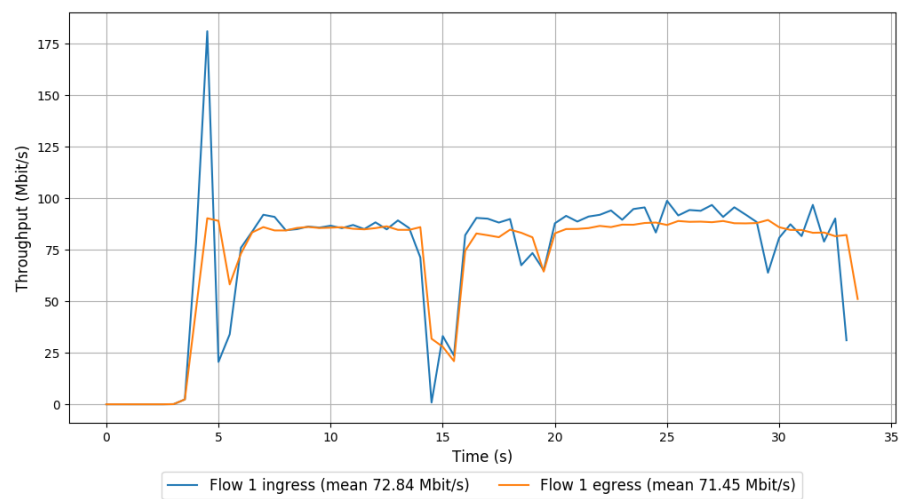
Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 72.84 Mbit/s)   Flow 1 egress (mean 71.45 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 634.315 ms)

269

```
Run 4: Statistics of Verus

Start at: Fri, 23 Jun 2017 18:20:39 +0000
End at: Fri, 23 Jun 2017 18:21:09 +0000
Local clock offset: 2.366 ms
Remote clock offset: -16.869 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 606.502 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 64.04 Mbit/s
95th percentile per-packet one-way delay: 606.502 ms
Loss rate: 0.65%
```
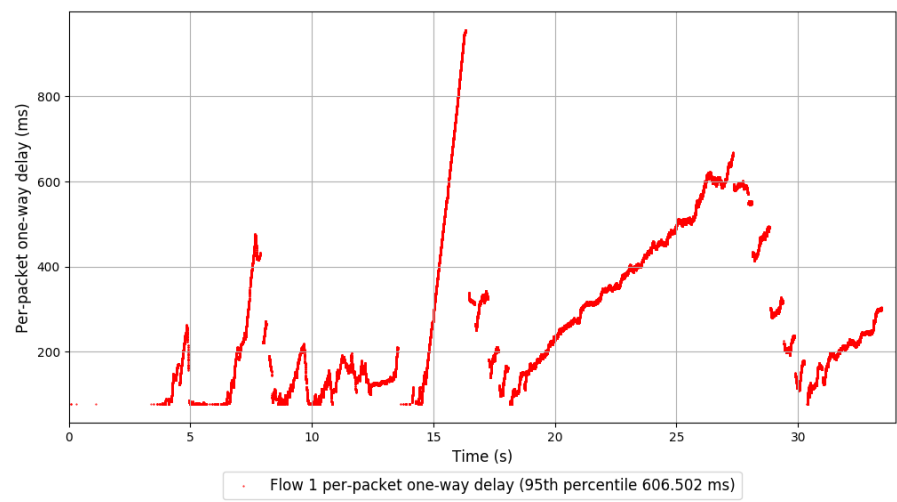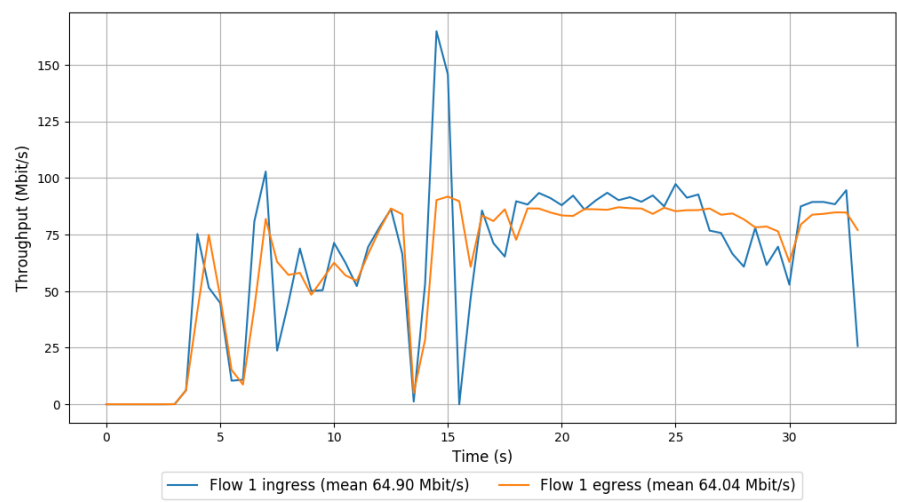
Run 4: Report of Verus — Data Link

Flow 1 ingress (mean 64.90 Mbit/s) —— Flow 1 egress (mean 64.04 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 606.502 ms)

```
Run 5: Statistics of Verus

Start at: Fri, 23 Jun 2017 18:38:08 +0000
End at: Fri, 23 Jun 2017 18:38:38 +0000
Local clock offset: 2.907 ms
Remote clock offset: -14.535 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 674.466 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 674.466 ms
Loss rate: 0.26%
```
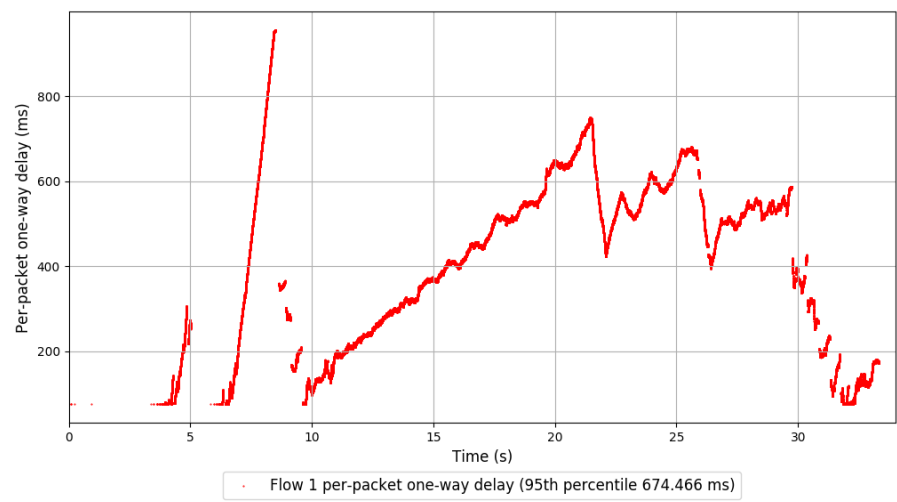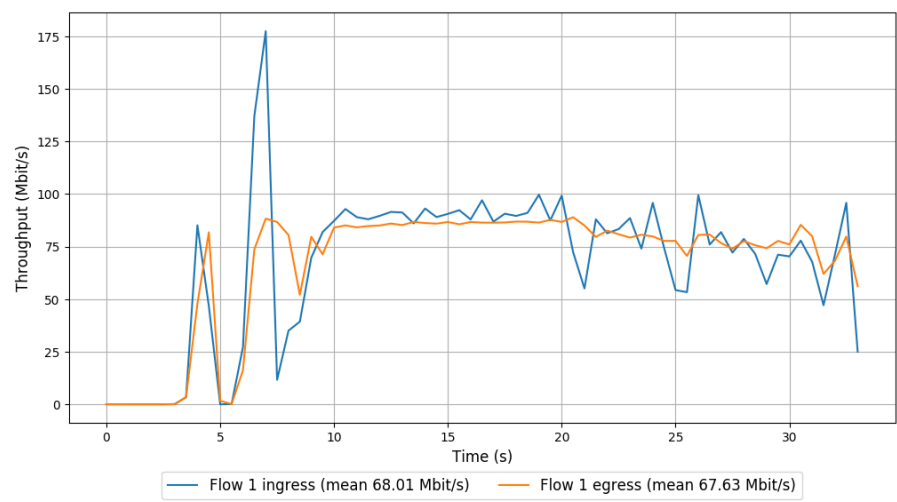
Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 68.01 Mbit/s) ——— Flow 1 egress (mean 67.63 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 674.466 ms)

```
Run 6: Statistics of Verus

Start at: Fri, 23 Jun 2017 18:55:36 +0000
End at: Fri, 23 Jun 2017 18:56:06 +0000
Local clock offset: -0.273 ms
Remote clock offset: -13.452 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 411.819 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 411.819 ms
Loss rate: 1.50%
```
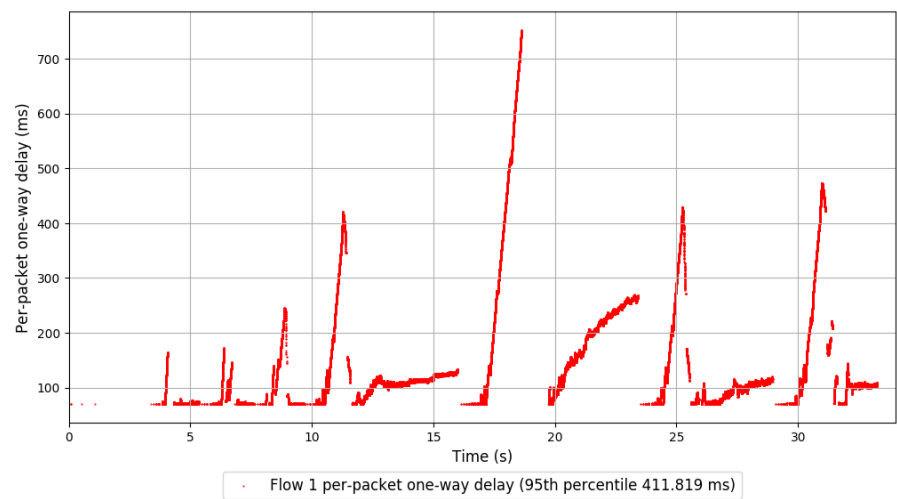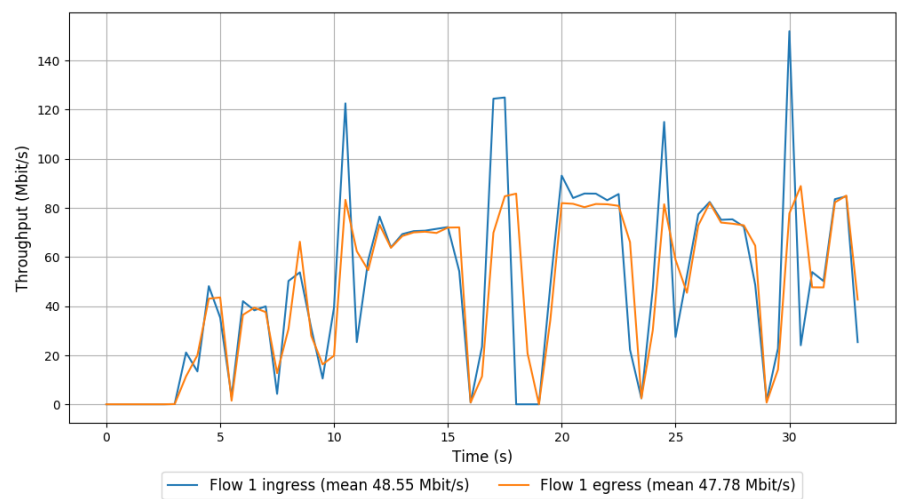
Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 48.55 Mbit/s)   Flow 1 egress (mean 47.78 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 411.819 ms)

```
Run 7: Statistics of Verus

Start at: Fri, 23 Jun 2017 19:13:03 +0000
End at: Fri, 23 Jun 2017 19:13:33 +0000
Local clock offset: -1.104 ms
Remote clock offset: -11.087 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.29 Mbit/s
95th percentile per-packet one-way delay: 653.307 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 70.29 Mbit/s
95th percentile per-packet one-way delay: 653.307 ms
Loss rate: 0.40%
```
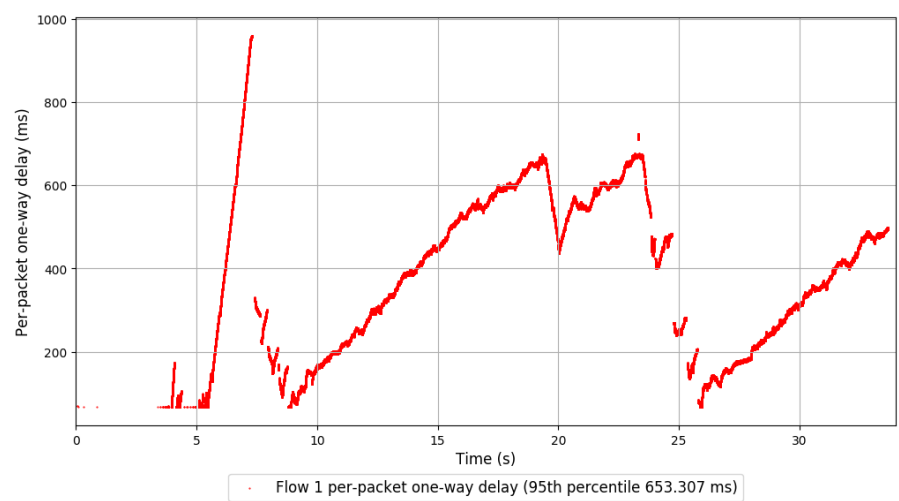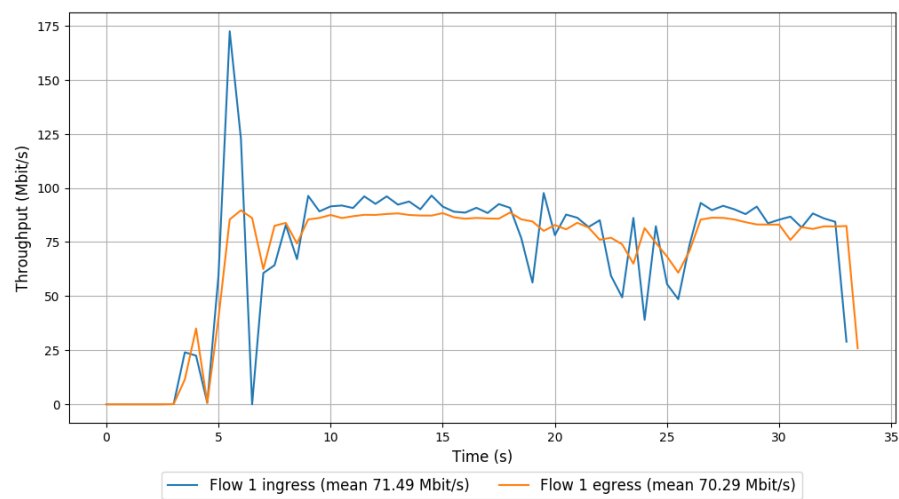
Run 7: Report of Verus — Data Link

Flow 1 ingress (mean 71.49 Mbit/s)   Flow 1 egress (mean 70.29 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 653.307 ms)

```
Run 8: Statistics of Verus

Start at: Fri, 23 Jun 2017 19:30:36 +0000
End at: Fri, 23 Jun 2017 19:31:06 +0000
Local clock offset: 0.456 ms
Remote clock offset: -8.756 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:42:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 644.219 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 69.71 Mbit/s
95th percentile per-packet one-way delay: 644.219 ms
Loss rate: 0.47%
```
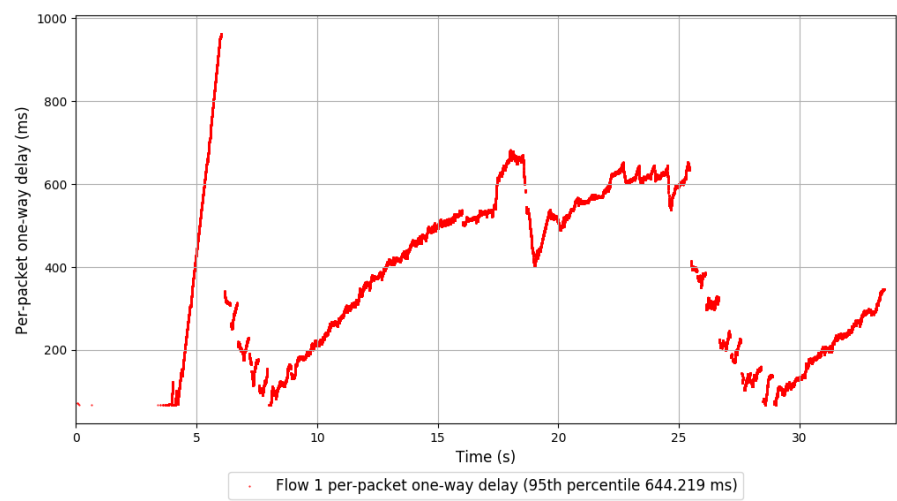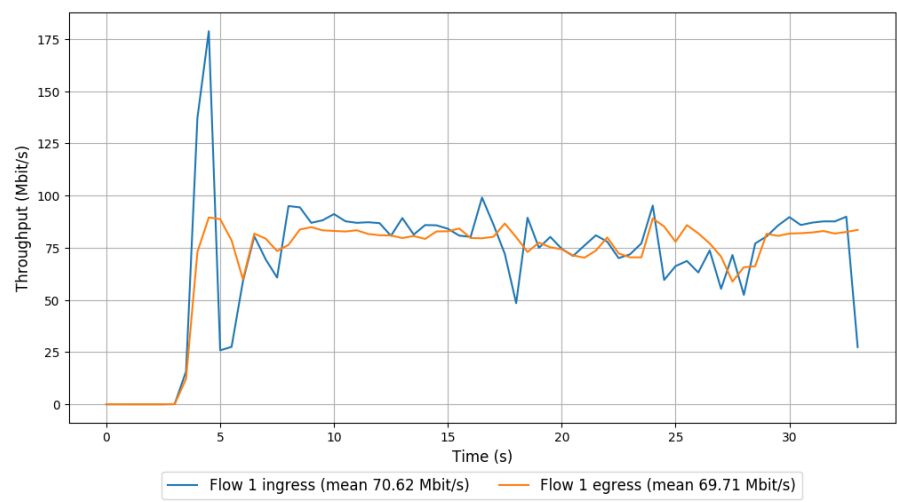
Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 70.62 Mbit/s) —— Flow 1 egress (mean 69.71 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 644.219 ms)

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```
Run 9: Statistics of Verus

Start at: Fri, 23 Jun 2017 19:48:03 +0000
End at: Fri, 23 Jun 2017 19:48:33 +0000
Local clock offset: 0.71 ms
Remote clock offset: -11.365 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:43:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 465.949 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 58.99 Mbit/s
95th percentile per-packet one-way delay: 465.949 ms
Loss rate: 1.68%
```
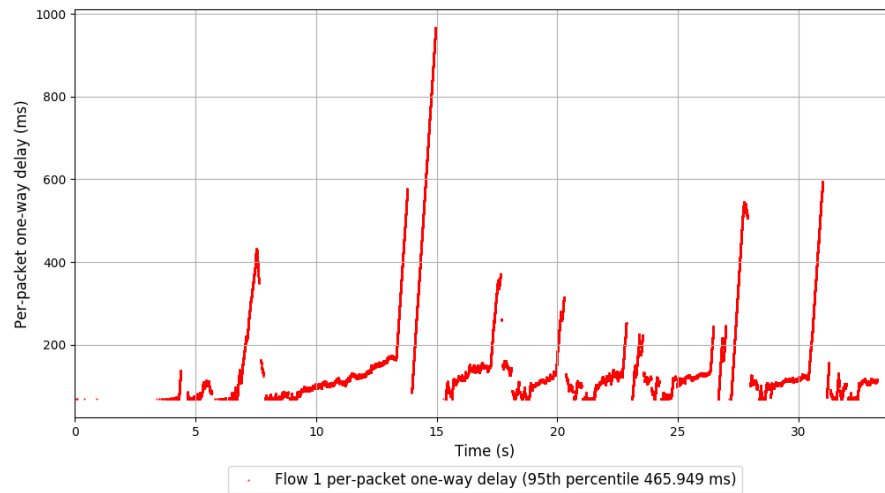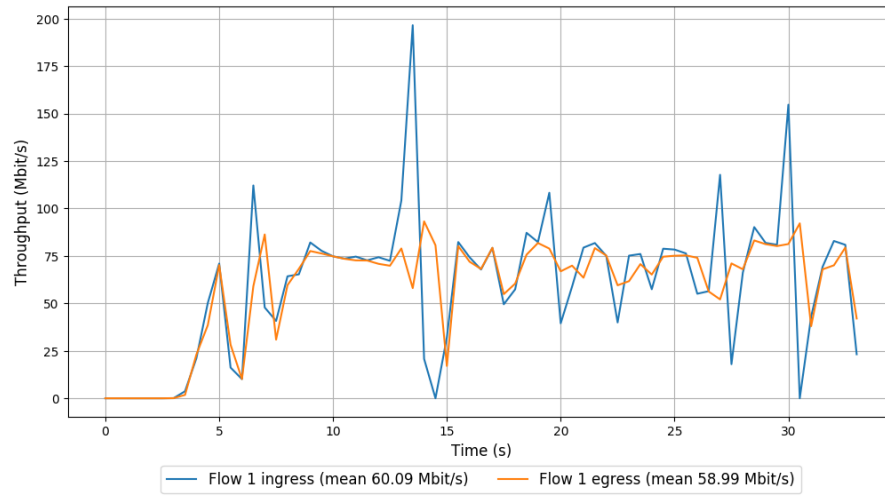
Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 60.09 Mbit/s) — Flow 1 egress (mean 58.99 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 465.949 ms)

```
Run 10: Statistics of Verus

Start at: Fri, 23 Jun 2017 20:05:25 +0000
End at: Fri, 23 Jun 2017 20:05:55 +0000
Local clock offset: -2.761 ms
Remote clock offset: -9.123 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:43:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 652.057 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 652.057 ms
Loss rate: 0.40%
```
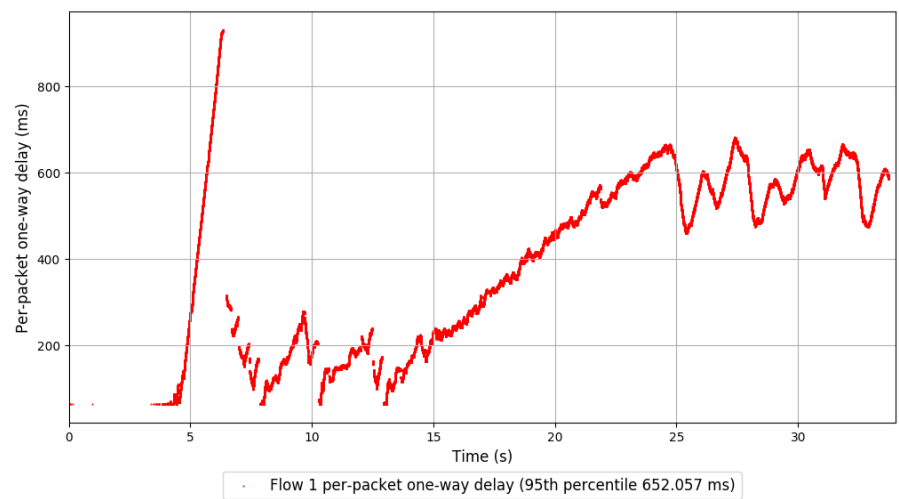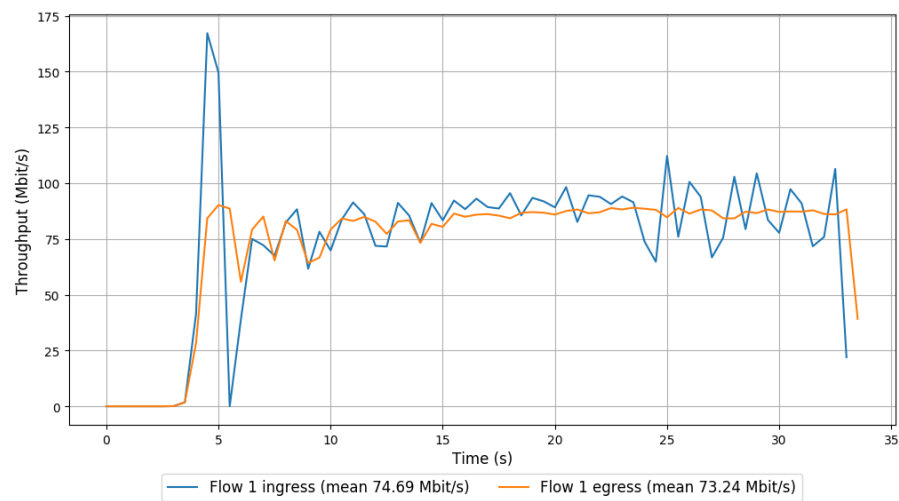
Run 10: Report of Verus — Data Link

Flow 1 ingress (mean 74.69 Mbit/s) ———— Flow 1 egress (mean 73.24 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 652.057 ms)

```
Run 1: Statistics of WebRTC media

Start at: Fri, 23 Jun 2017 17:24:56 +0000
End at: Fri, 23 Jun 2017 17:25:26 +0000
Local clock offset: -3.952 ms
Remote clock offset: -14.049 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:43:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 68.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 68.690 ms
Loss rate: 0.00%
```
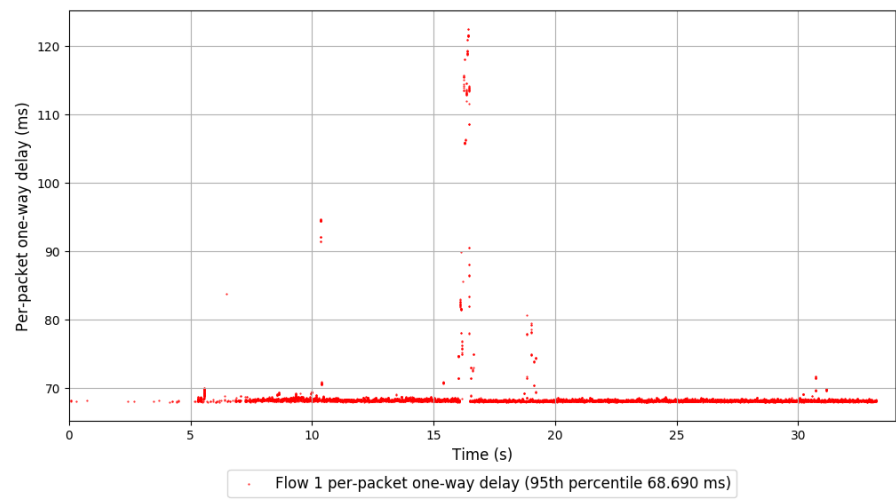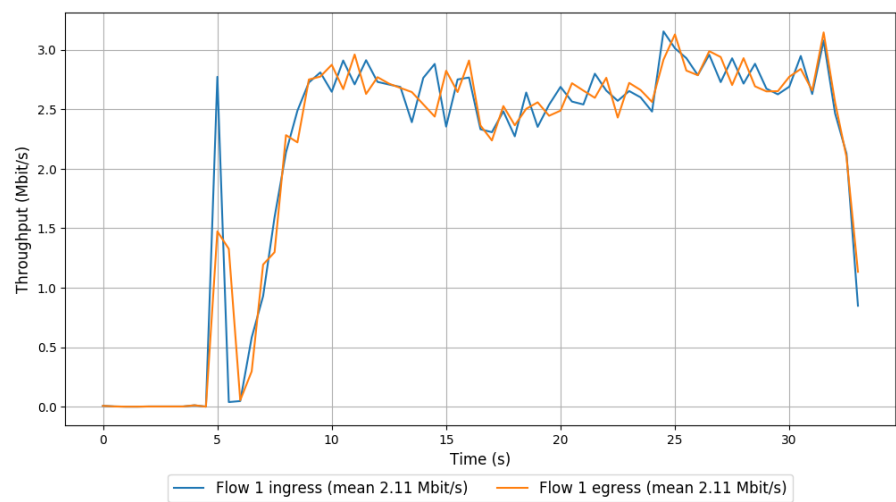
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: Fri, 23 Jun 2017 17:42:28 +0000
End at: Fri, 23 Jun 2017 17:42:58 +0000
Local clock offset: -4.245 ms
Remote clock offset: -15.12 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:43:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 70.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 70.166 ms
Loss rate: 0.00%
```
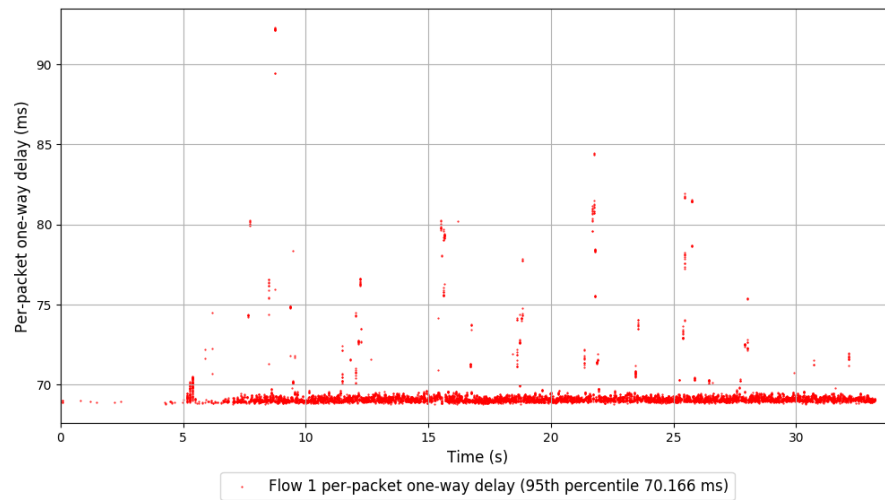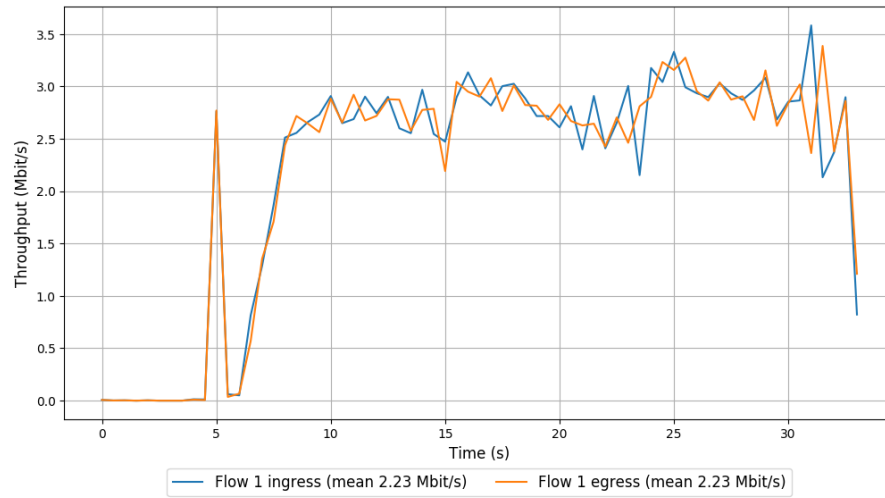
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: Fri, 23 Jun 2017 17:59:42 +0000
End at: Fri, 23 Jun 2017 18:00:12 +0000
Local clock offset: -4.649 ms
Remote clock offset: -17.044 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:43:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 69.655 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 69.655 ms
Loss rate: 0.00%
```
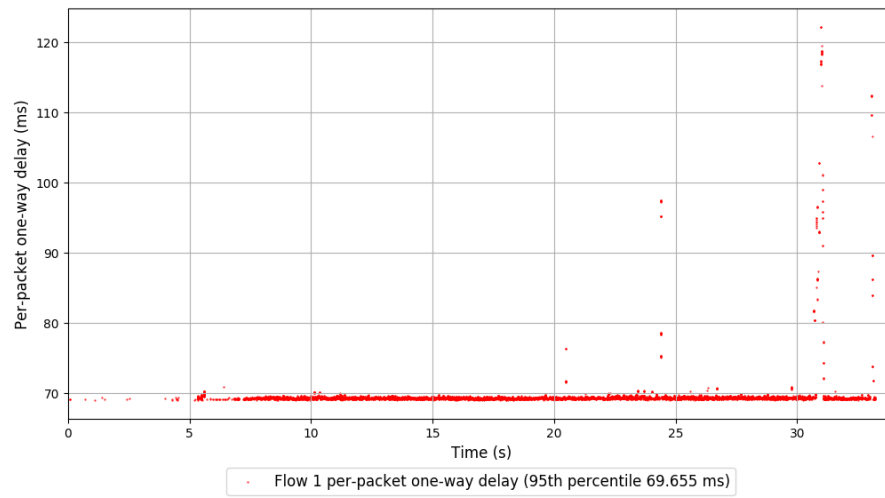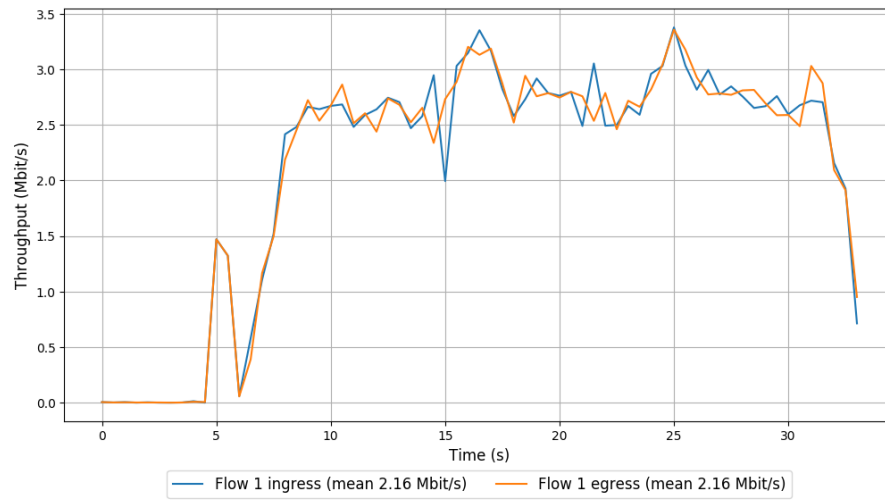
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: Fri, 23 Jun 2017 18:17:19 +0000
End at: Fri, 23 Jun 2017 18:17:49 +0000
Local clock offset: 1.571 ms
Remote clock offset: -16.712 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:43:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 76.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 76.956 ms
Loss rate: 0.00%
```
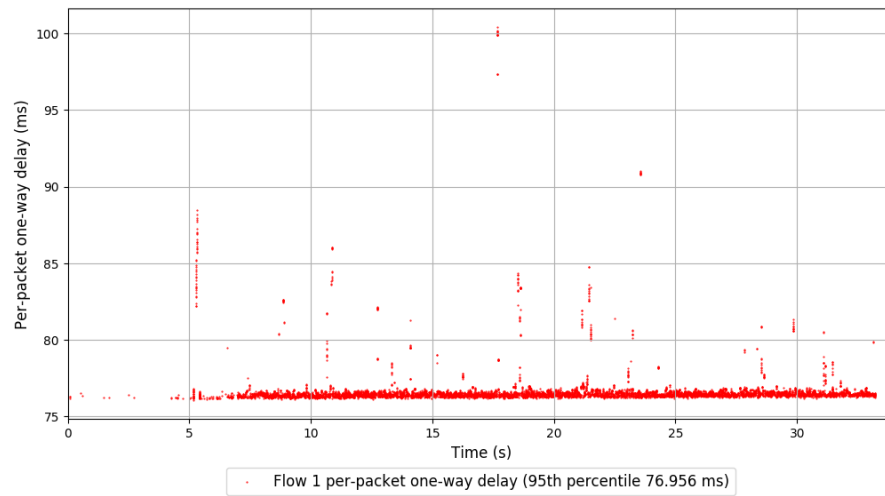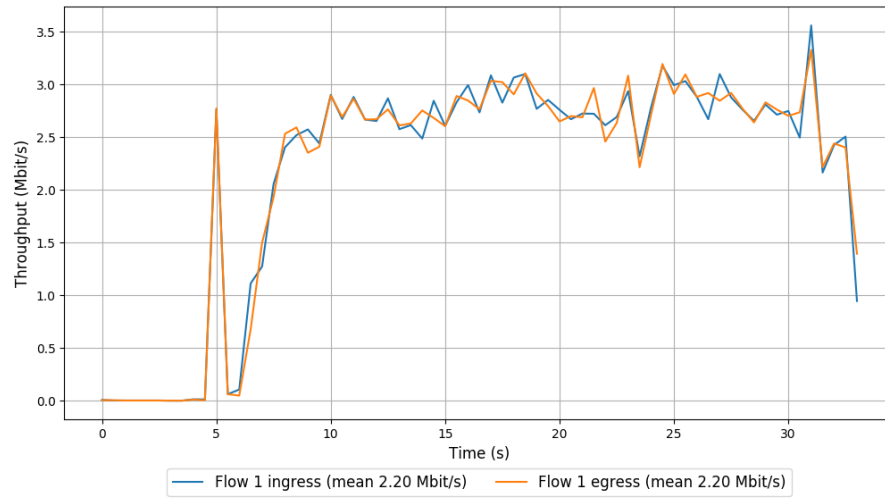
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: Fri, 23 Jun 2017 18:34:48 +0000
End at: Fri, 23 Jun 2017 18:35:18 +0000
Local clock offset: 2.945 ms
Remote clock offset: -13.976 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:43:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 75.332 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 75.332 ms
Loss rate: 0.03%
```
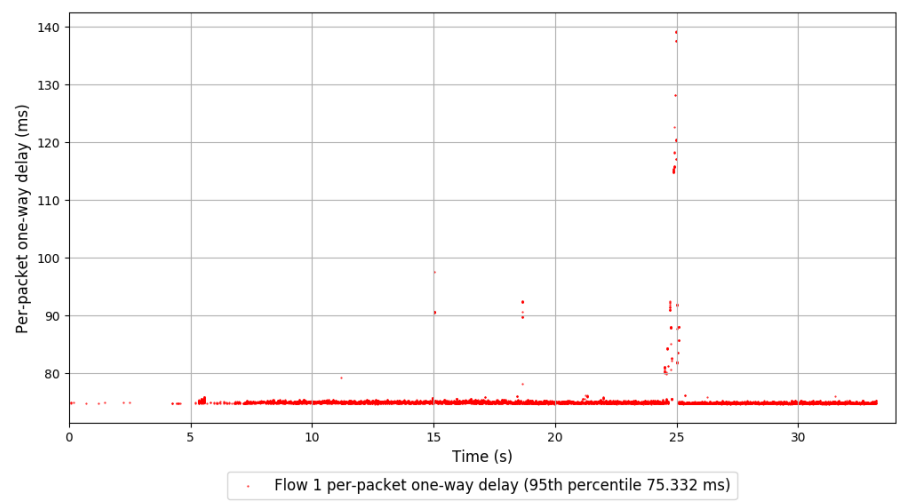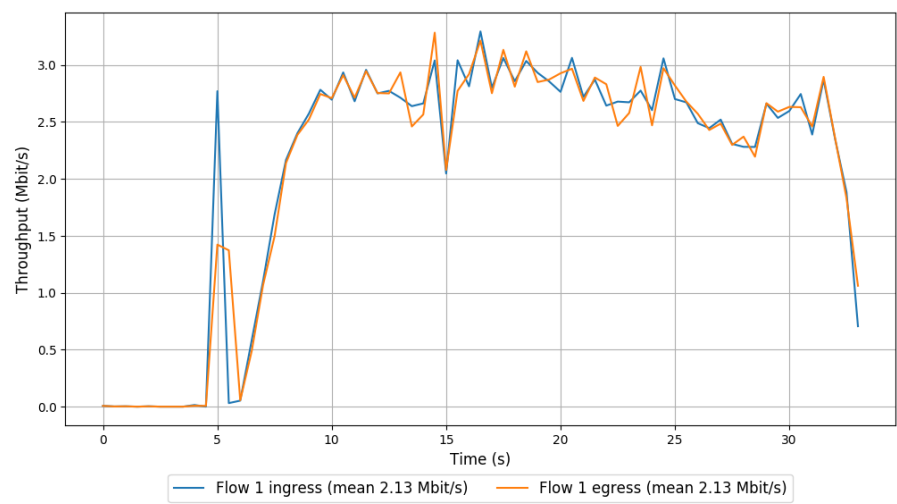
Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.13 Mbit/s) — Flow 1 egress (mean 2.13 Mbit/s)

. Flow 1 per-packet one-way delay (95th percentile 75.332 ms)

```
Run 6: Statistics of WebRTC media

Start at: Fri, 23 Jun 2017 18:52:16 +0000
End at: Fri, 23 Jun 2017 18:52:46 +0000
Local clock offset: 0.167 ms
Remote clock offset: -13.88 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:43:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 76.698 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 76.698 ms
Loss rate: 0.09%
```
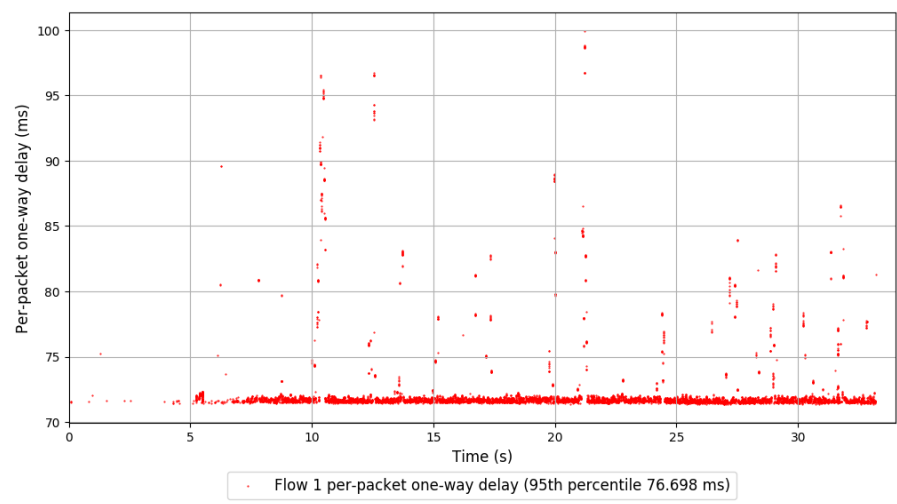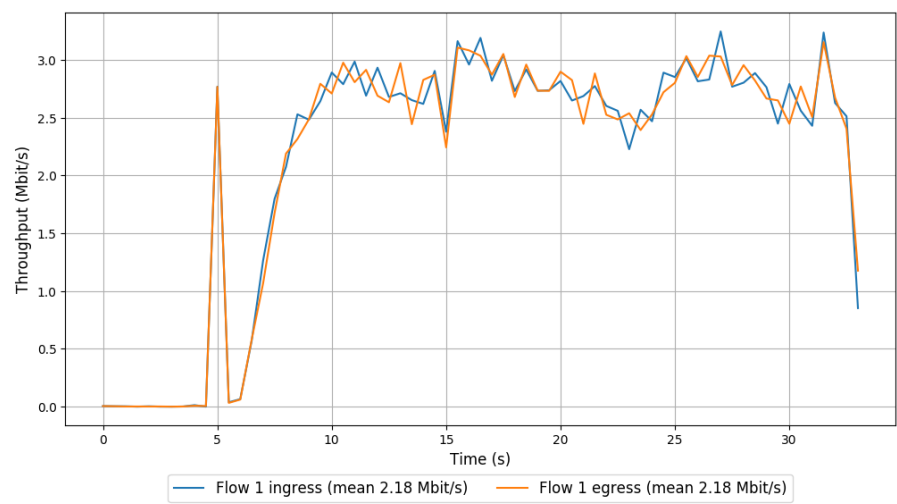
Run 6: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.18 Mbit/s) — Flow 1 egress (mean 2.18 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 76.698 ms)

```
Run 7: Statistics of WebRTC media

Start at: Fri, 23 Jun 2017 19:09:43 +0000
End at: Fri, 23 Jun 2017 19:10:13 +0000
Local clock offset: -0.972 ms
Remote clock offset: -11.744 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:43:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 69.971 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 69.971 ms
Loss rate: 0.02%
```
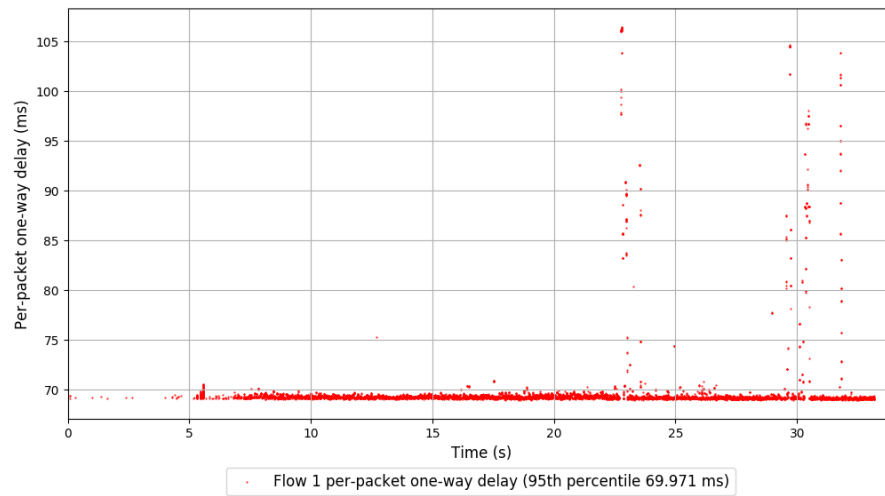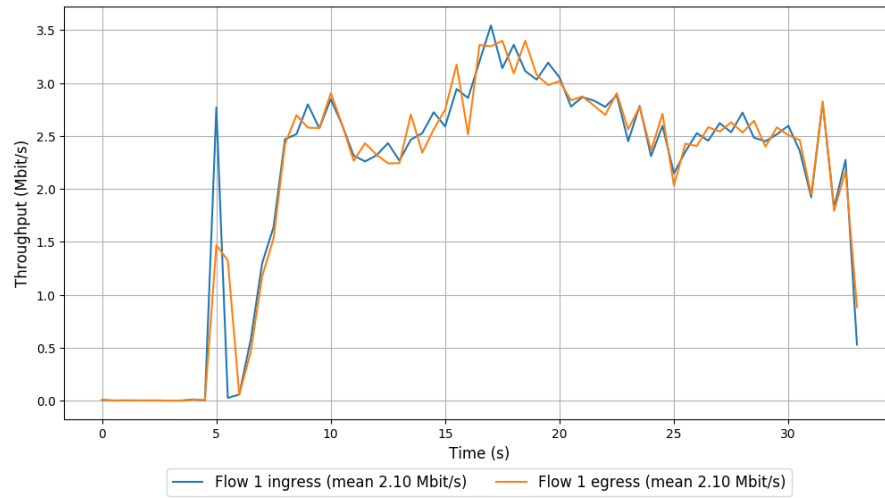
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: Fri, 23 Jun 2017 19:27:16 +0000
End at: Fri, 23 Jun 2017 19:27:46 +0000
Local clock offset: 0.338 ms
Remote clock offset: -8.372 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:43:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 67.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 67.293 ms
Loss rate: 0.00%
```
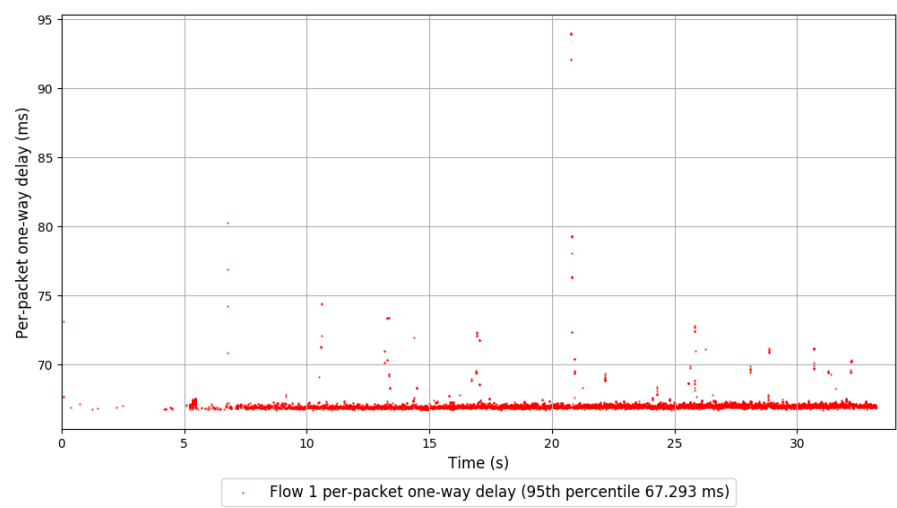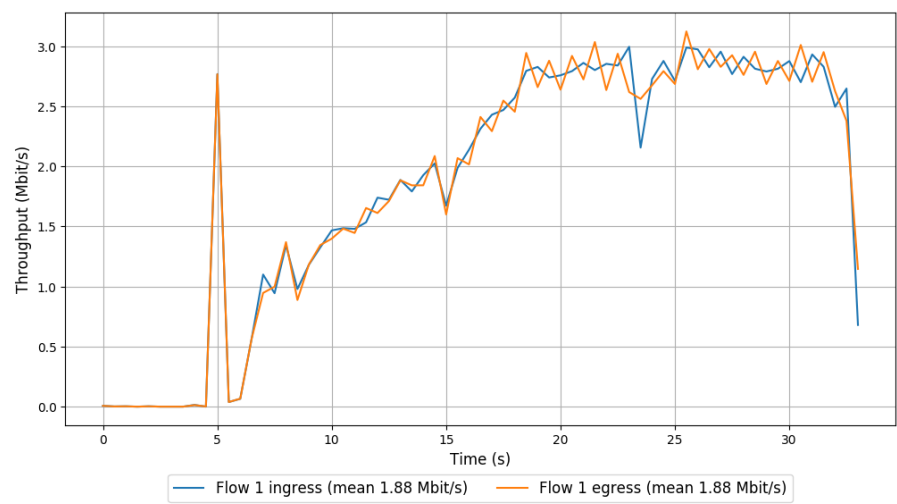
Run 8: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.88 Mbit/s) — Flow 1 egress (mean 1.88 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 67.293 ms)

```
Run 9: Statistics of WebRTC media

Start at: Fri, 23 Jun 2017 19:44:44 +0000
End at: Fri, 23 Jun 2017 19:45:14 +0000
Local clock offset: 0.635 ms
Remote clock offset: -10.613 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:43:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 70.345 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 70.345 ms
Loss rate: 0.00%
```
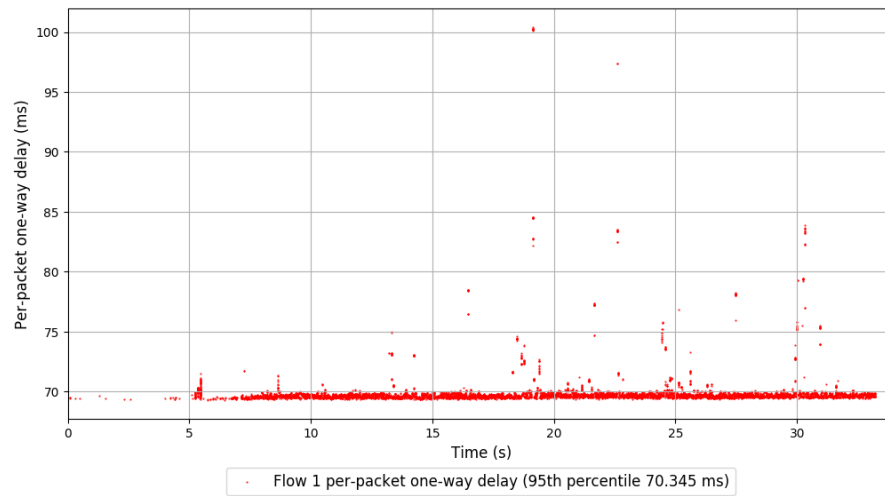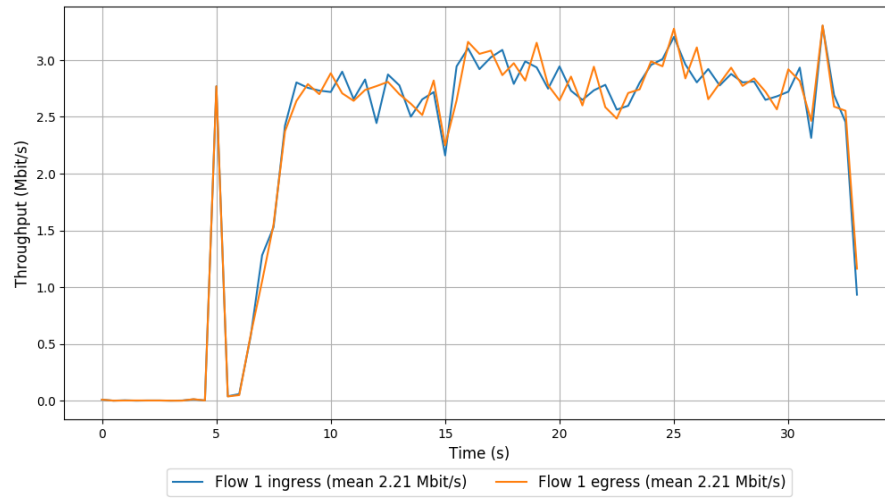
Run 9: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.21 Mbit/s)   Flow 1 egress (mean 2.21 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 70.345 ms)

```
Run 10: Statistics of WebRTC media

Start at: Fri, 23 Jun 2017 20:02:05 +0000
End at: Fri, 23 Jun 2017 20:02:35 +0000
Local clock offset: -2.502 ms
Remote clock offset: -10.045 ms


# Below is generated by plot.py at Fri, 23 Jun 2017 23:43:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 66.035 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 66.035 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.19 Mbit/s) —— Flow 1 egress (mean 2.19 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 66.035 ms)