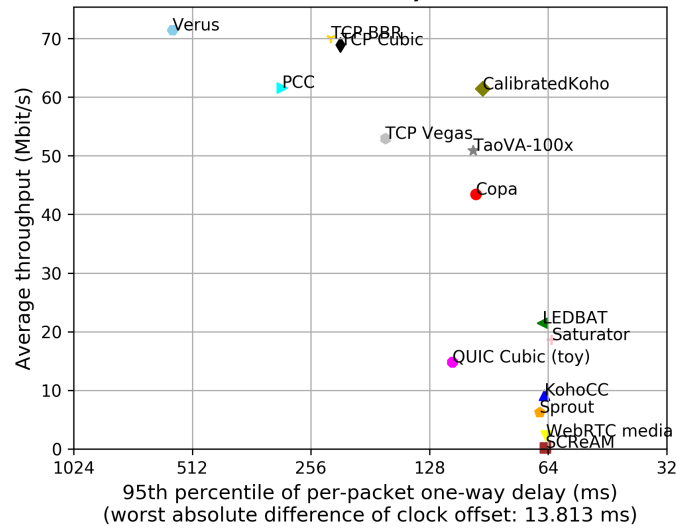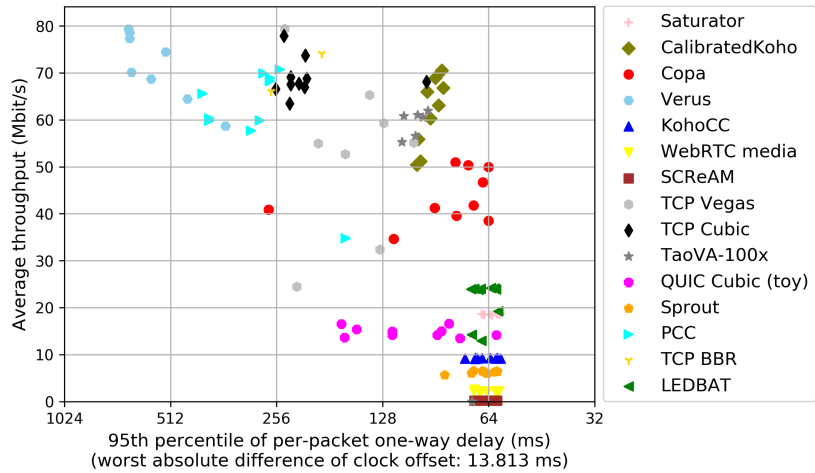**Pantheon Summary** (Generated at Wed, 14 Jun 2017 00:51:34 +0000 with pantheon version `0502c2c57571426cde66b34b88203c82b91e4e5c`)

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 @ 0502c2c57571426cde66b34b88203c82b91e4e5c
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
```
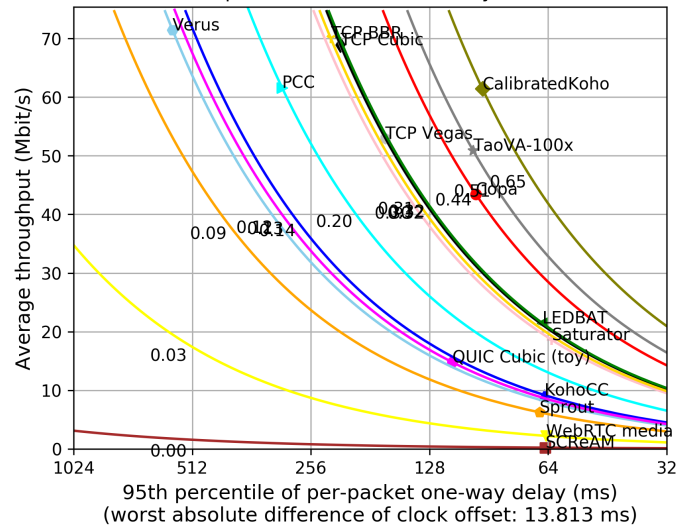
1

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

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

2

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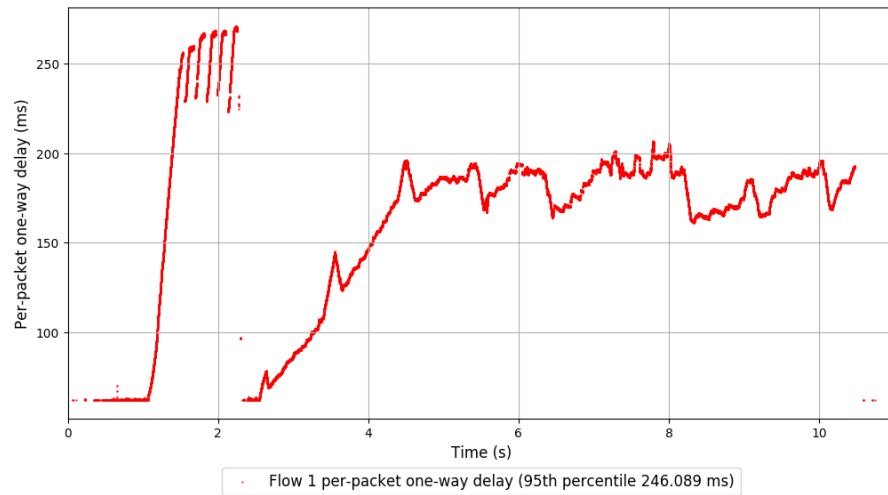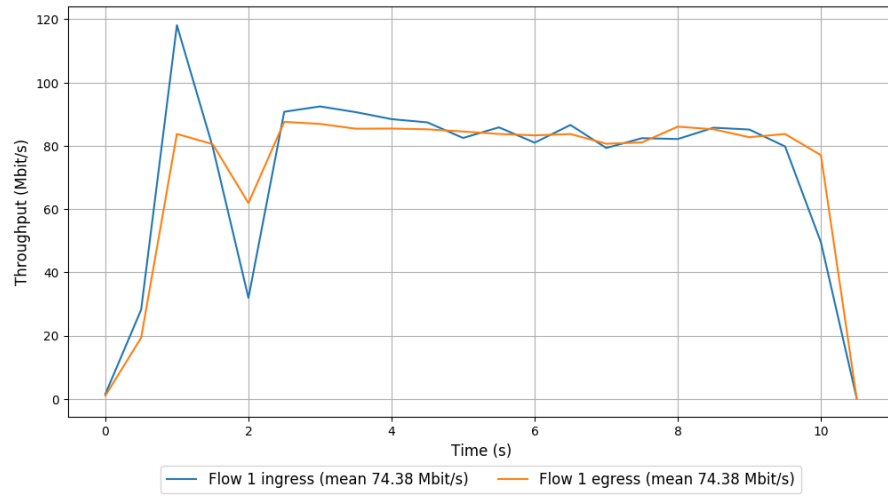
3

Run 1: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 18:30:09 +0000
End at: Tue, 13 Jun 2017 18:30:39 +0000
Local clock offset: 7.31 ms
Remote clock offset: 2.024 ms

Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 74.38 Mbit/s)   Flow 1 egress (mean 74.38 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 246.089 ms)

5

```
Run 2: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 18:47:46 +0000
End at: Tue, 13 Jun 2017 18:48:16 +0000
Local clock offset: 5.33 ms
Remote clock offset: 2.9 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:43:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.11 Mbit/s
95th percentile per-packet one-way delay: 190.585 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 74.11 Mbit/s
95th percentile per-packet one-way delay: 190.585 ms
Loss rate: 0.03%
```
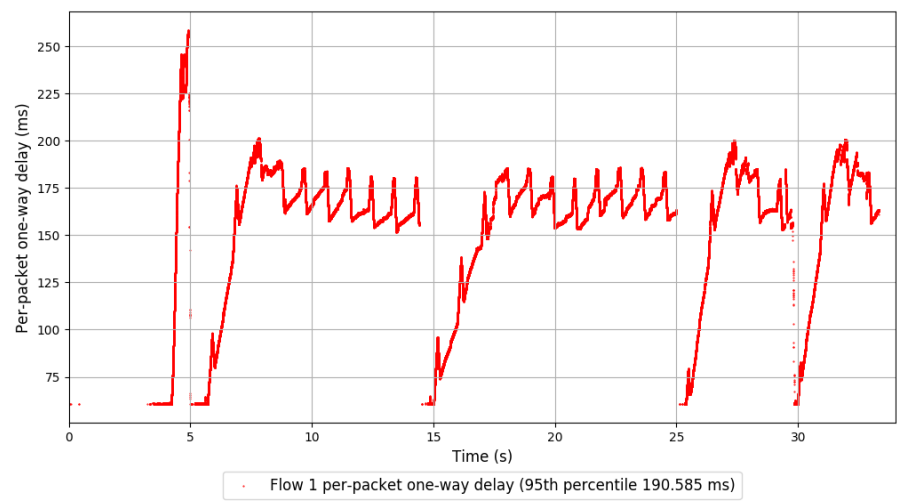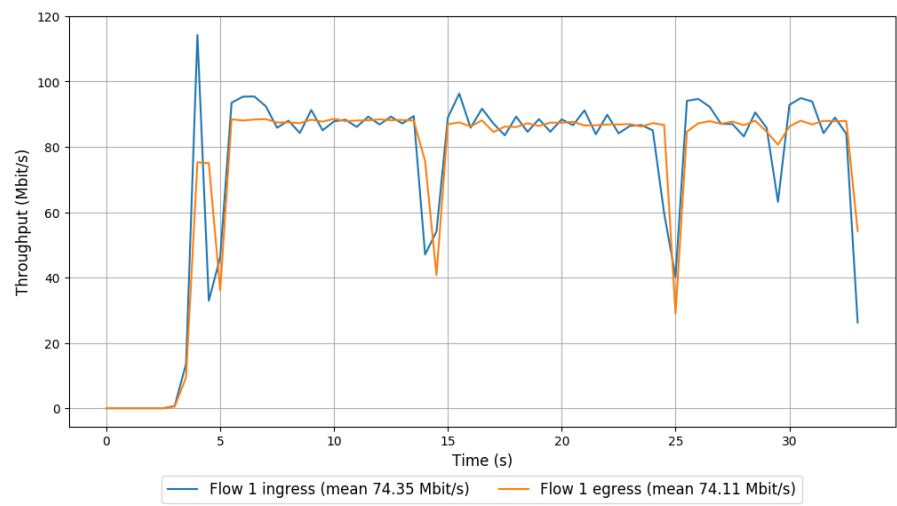
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 74.35 Mbit/s)   Flow 1 egress (mean 74.11 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 190.585 ms)
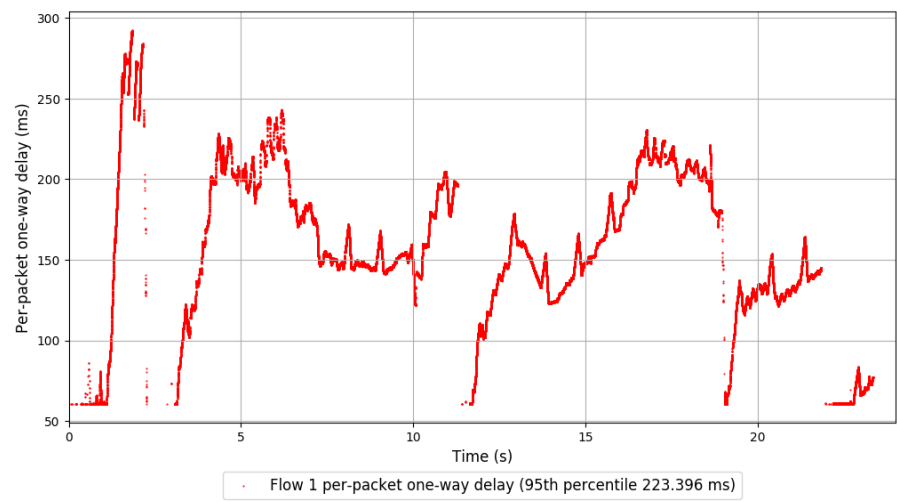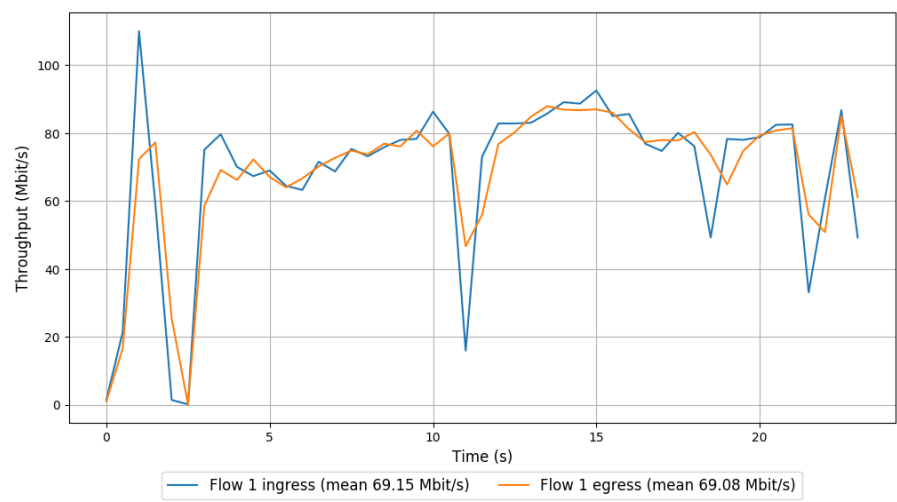
```
Run 3: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 19:05:17 +0000
End at: Tue, 13 Jun 2017 19:05:47 +0000
Local clock offset: 5.527 ms
Remote clock offset: 3.135 ms
```

Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 69.15 Mbit/s) — Flow 1 egress (mean 69.08 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 223.396 ms)
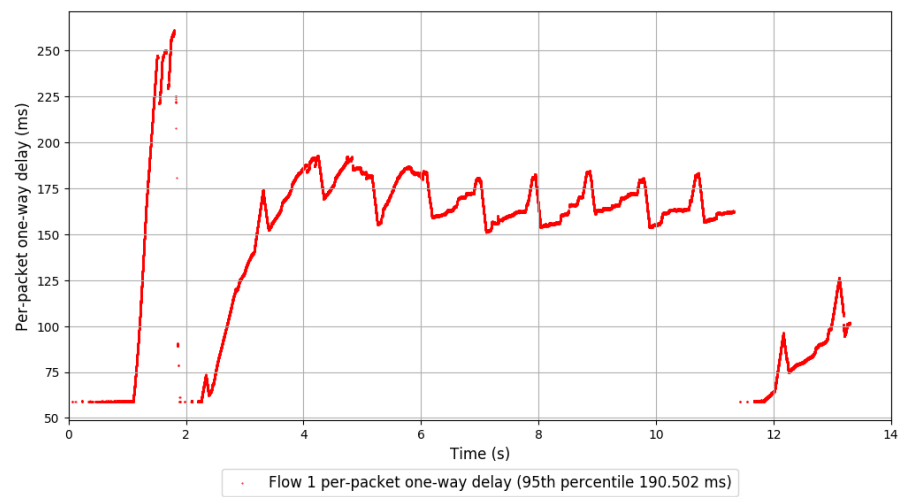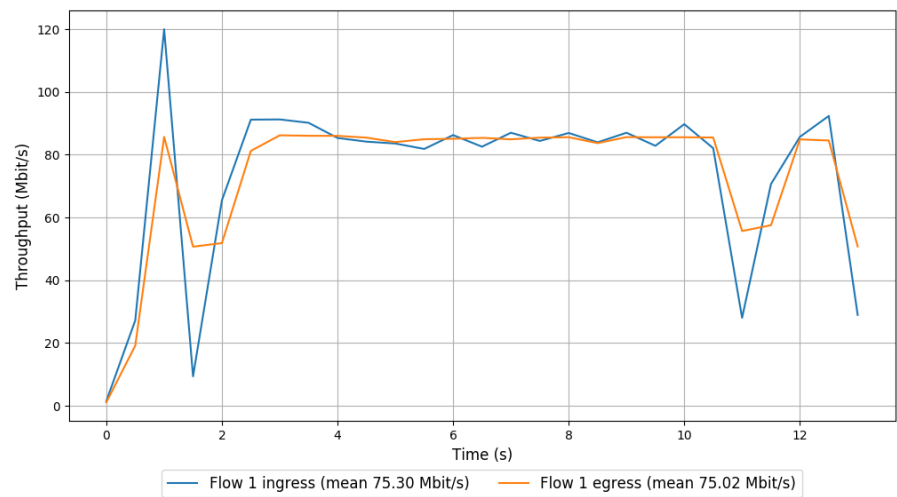
9

```
Run 4: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 19:22:56 +0000
End at: Tue, 13 Jun 2017 19:23:26 +0000
Local clock offset: 4.397 ms
Remote clock offset: 2.767 ms
```

Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 75.30 Mbit/s)   Flow 1 egress (mean 75.02 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 190.502 ms)

```
Run 5: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 19:40:25 +0000
End at: Tue, 13 Jun 2017 19:40:55 +0000
Local clock offset: 4.279 ms
Remote clock offset: 2.069 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:44:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.02 Mbit/s
95th percentile per-packet one-way delay: 265.330 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 66.02 Mbit/s
95th percentile per-packet one-way delay: 265.330 ms
Loss rate: 0.05%
```
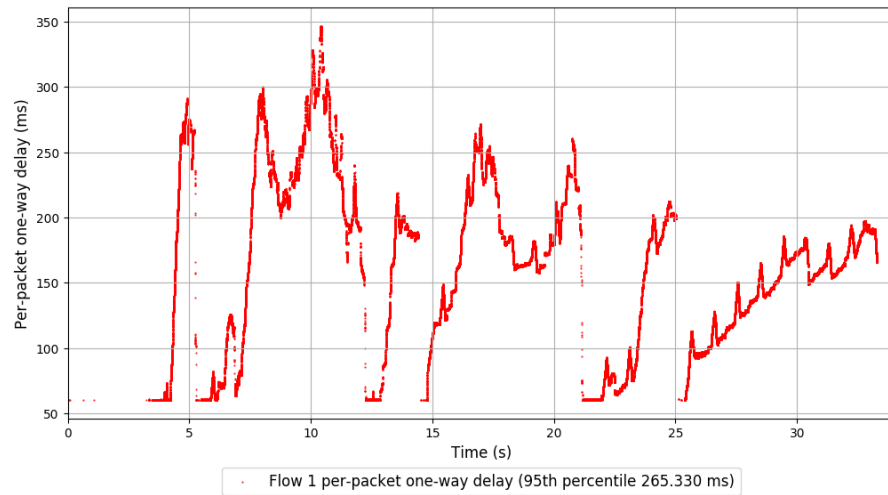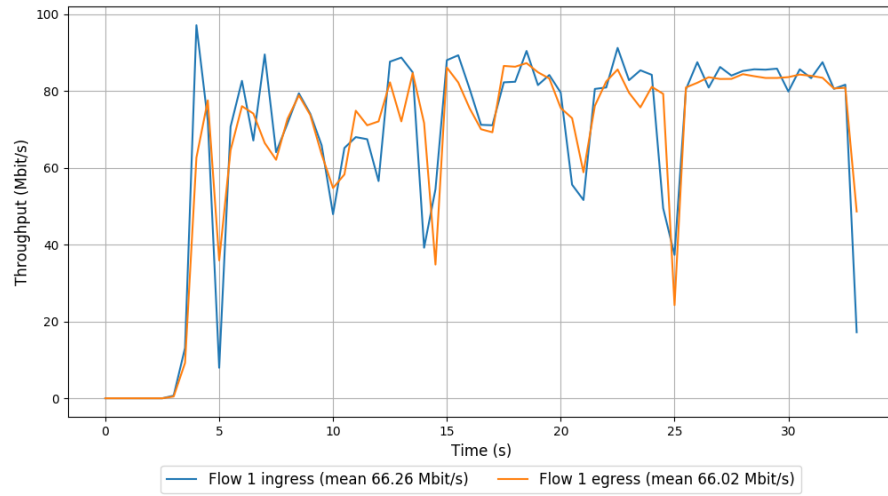
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 66.26 Mbit/s) — Flow 1 egress (mean 66.02 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 265.330 ms)
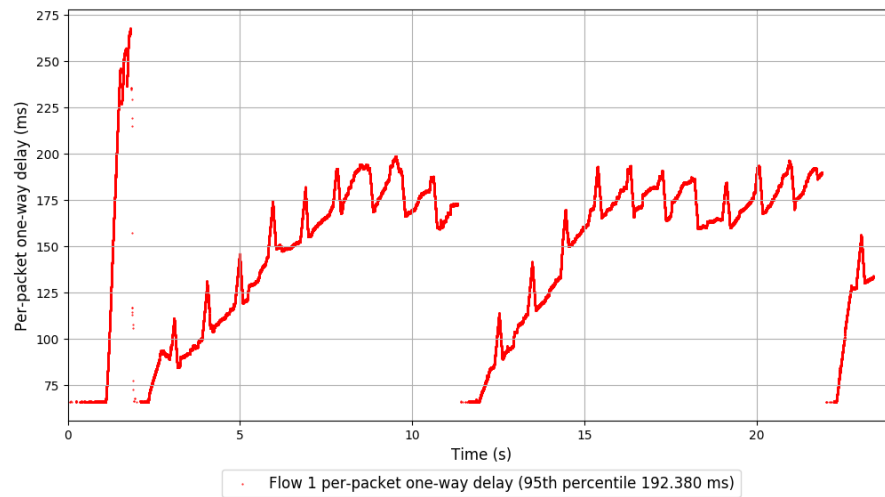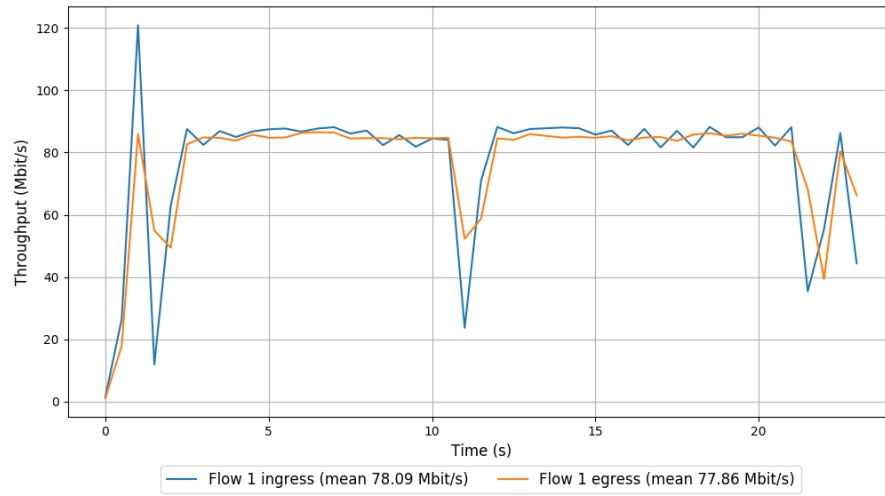
```
Run 6: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 19:58:06 +0000
End at: Tue, 13 Jun 2017 19:58:36 +0000
Local clock offset: 3.852 ms
Remote clock offset: -3.275 ms
```

Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 78.09 Mbit/s) ——— Flow 1 egress (mean 77.86 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 192.380 ms)
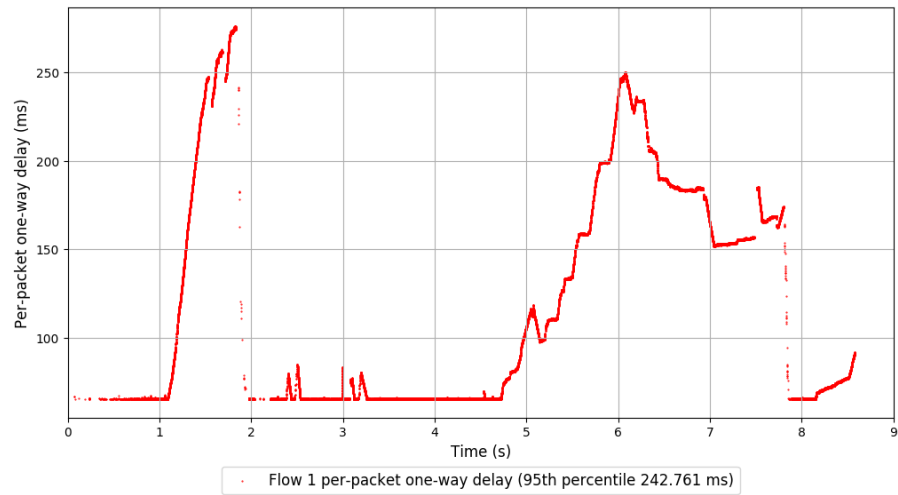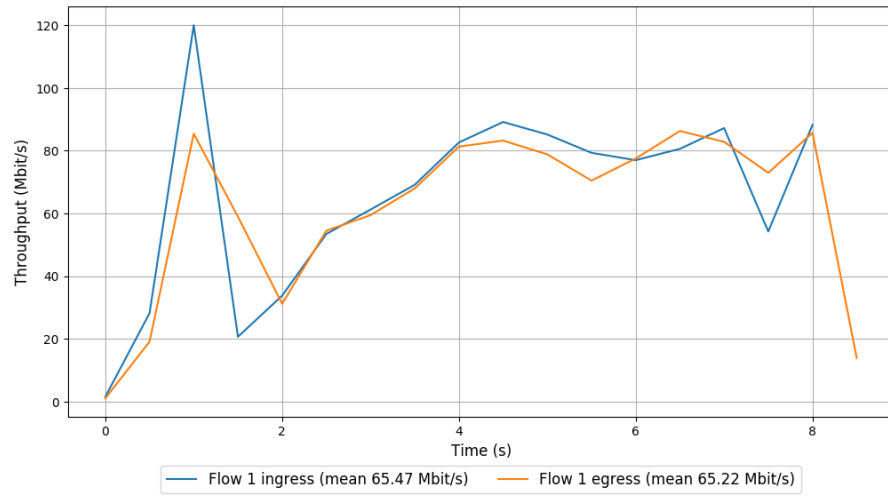
Run 7: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 20:15:43 +0000
End at: Tue, 13 Jun 2017 20:16:13 +0000
Local clock offset: 4.268 ms
Remote clock offset: -4.748 ms

Run 7: Report of TCP BBR — Data Link
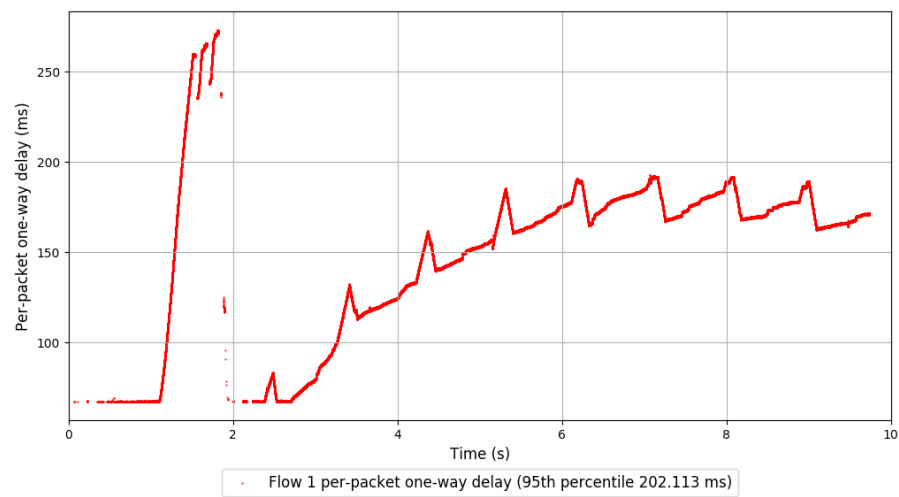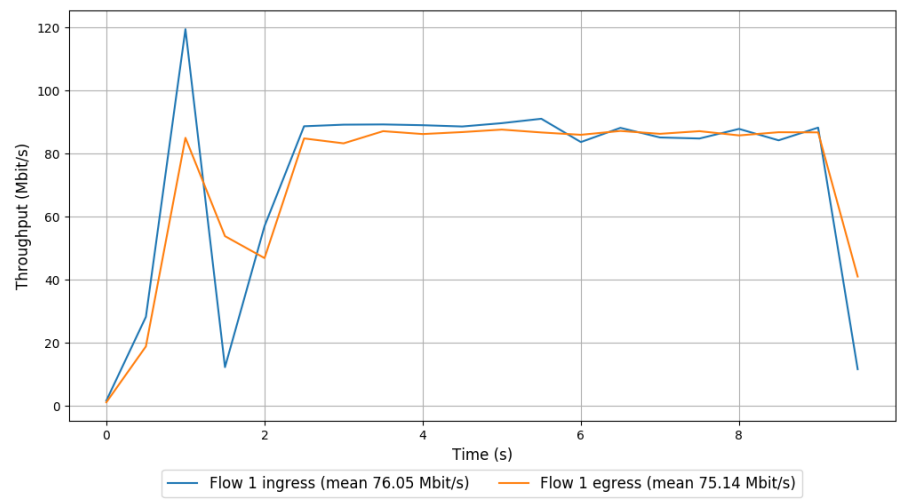
```
Run 8: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 20:33:11 +0000
End at: Tue, 13 Jun 2017 20:33:41 +0000
Local clock offset: 4.18 ms
Remote clock offset: -5.901 ms
```

Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 76.05 Mbit/s) ——— Flow 1 egress (mean 75.14 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 202.113 ms)
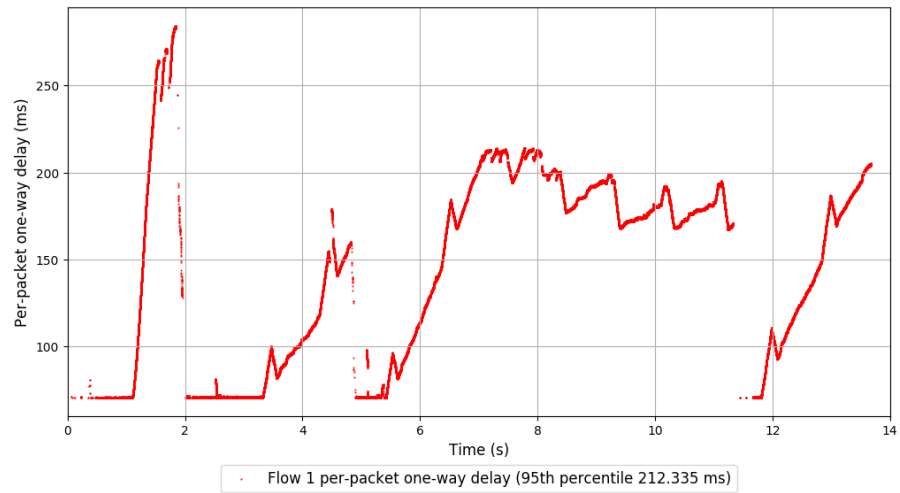
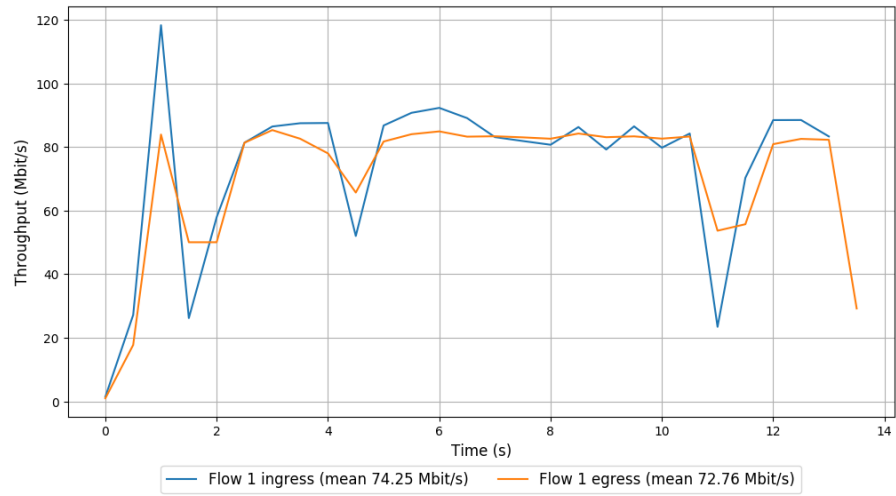Run 9: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 20:50:52 +0000
End at: Tue, 13 Jun 2017 20:51:22 +0000
Local clock offset: 4.013 ms
Remote clock offset: -9.304 ms

Run 9: Report of TCP BBR — Data Link
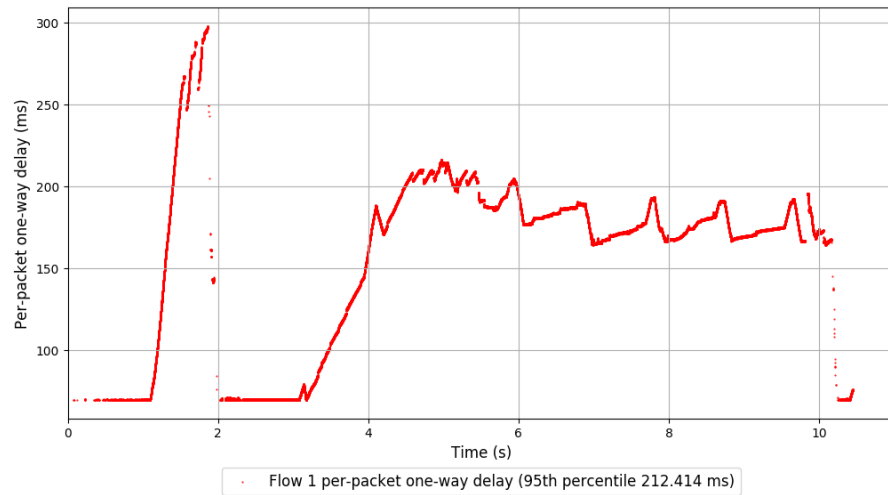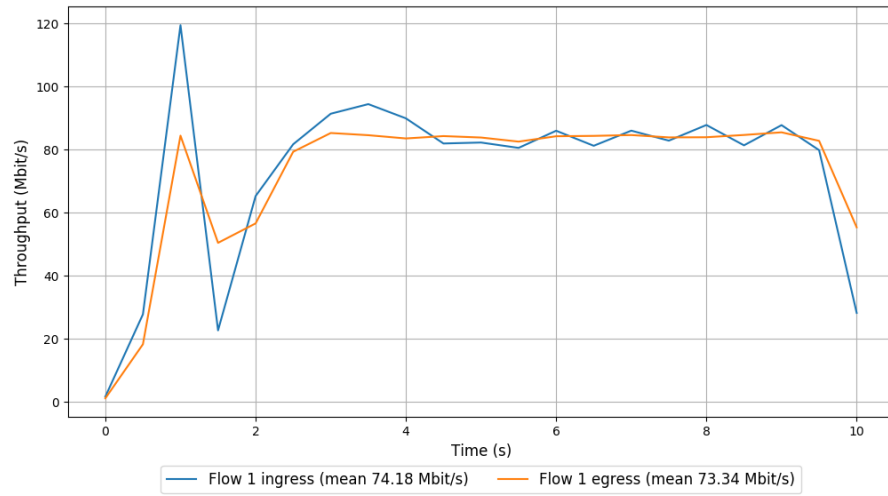

21

Run 10: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 21:08:13 +0000
End at: Tue, 13 Jun 2017 21:08:43 +0000
Local clock offset: 3.704 ms
Remote clock offset: -8.661 ms

Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 74.18 Mbit/s)   Flow 1 egress (mean 73.34 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 212.414 ms)

```
Run 1: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 18:35:00 +0000
End at: Tue, 13 Jun 2017 18:35:30 +0000
Local clock offset: 6.986 ms
Remote clock offset: 2.462 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:44:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 88.706 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 63.06 Mbit/s
95th percentile per-packet one-way delay: 88.706 ms
Loss rate: 0.02%
```
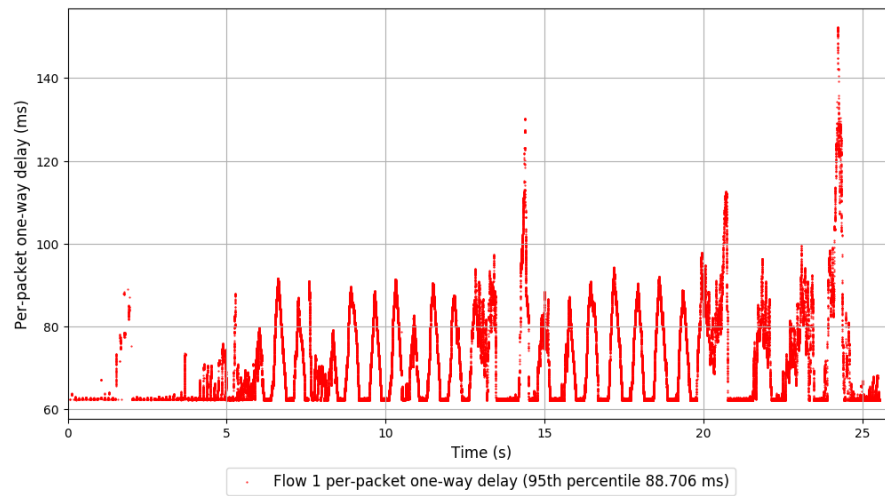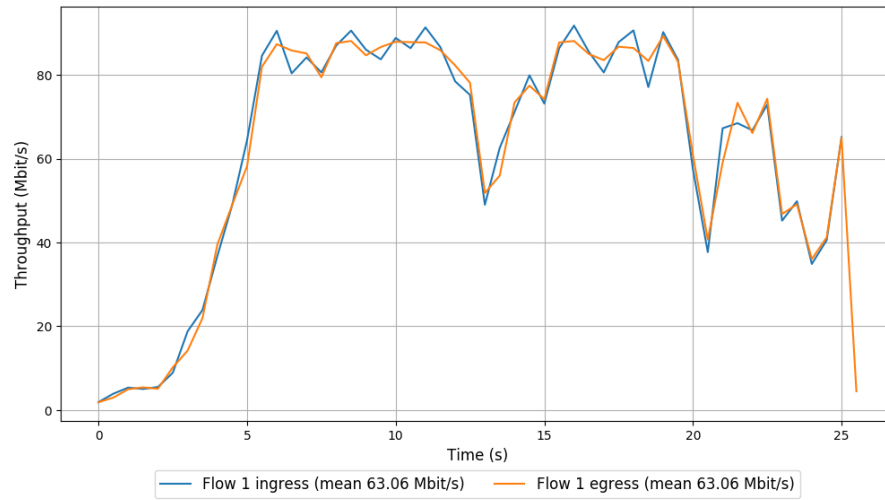
Run 1: Report of CalibratedKoho — Data Link

```
Run 2: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 18:52:35 +0000
End at: Tue, 13 Jun 2017 18:53:05 +0000
Local clock offset: 5.247 ms
Remote clock offset: 2.411 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:44:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.53 Mbit/s
95th percentile per-packet one-way delay: 86.898 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.53 Mbit/s
95th percentile per-packet one-way delay: 86.898 ms
Loss rate: 0.01%
```
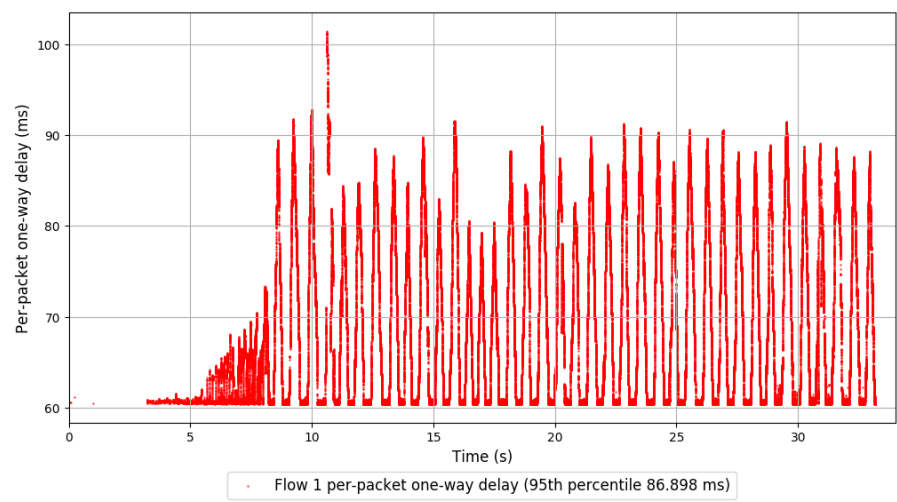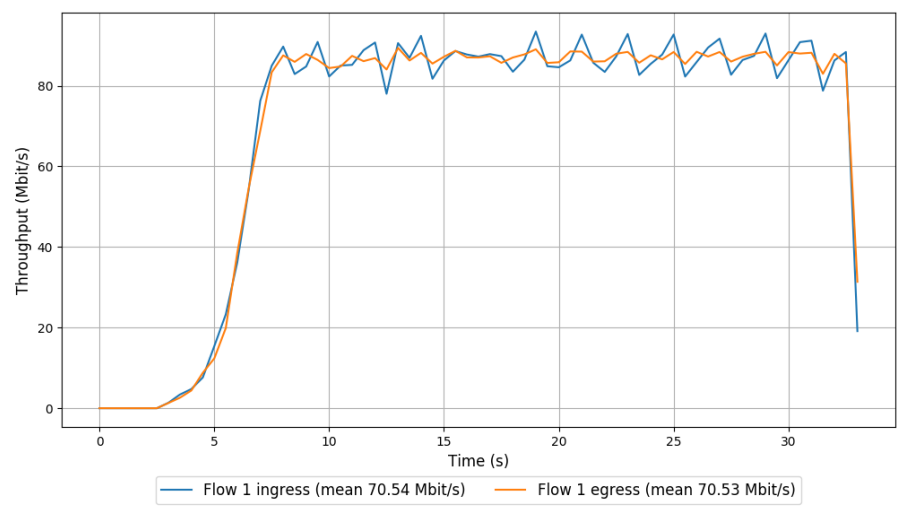
Run 2: Report of CalibratedKoho — Data Link

```
Run 3: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 19:10:10 +0000
End at: Tue, 13 Jun 2017 19:10:40 +0000
Local clock offset: 5.232 ms
Remote clock offset: 2.752 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:44:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.26 Mbit/s
95th percentile per-packet one-way delay: 93.695 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.26 Mbit/s
95th percentile per-packet one-way delay: 93.695 ms
Loss rate: 0.00%
```
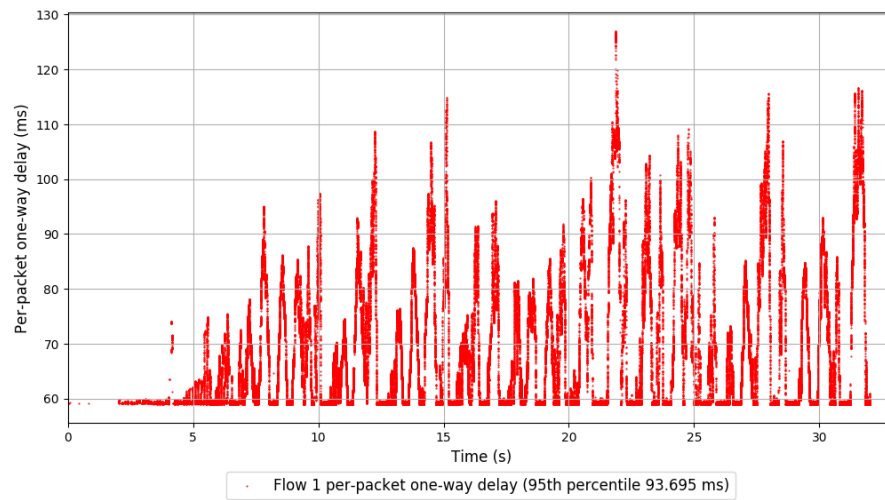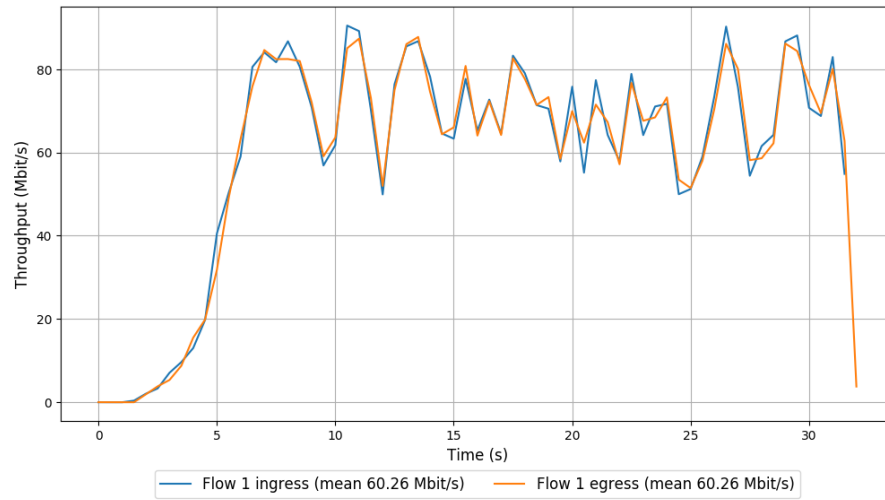
Run 3: Report of CalibratedKoho — Data Link

```
Run 4: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 19:27:42 +0000
End at: Tue, 13 Jun 2017 19:28:12 +0000
Local clock offset: 4.597 ms
Remote clock offset: 2.526 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:44:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.82 Mbit/s
95th percentile per-packet one-way delay: 86.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.82 Mbit/s
95th percentile per-packet one-way delay: 86.046 ms
Loss rate: 0.00%
```
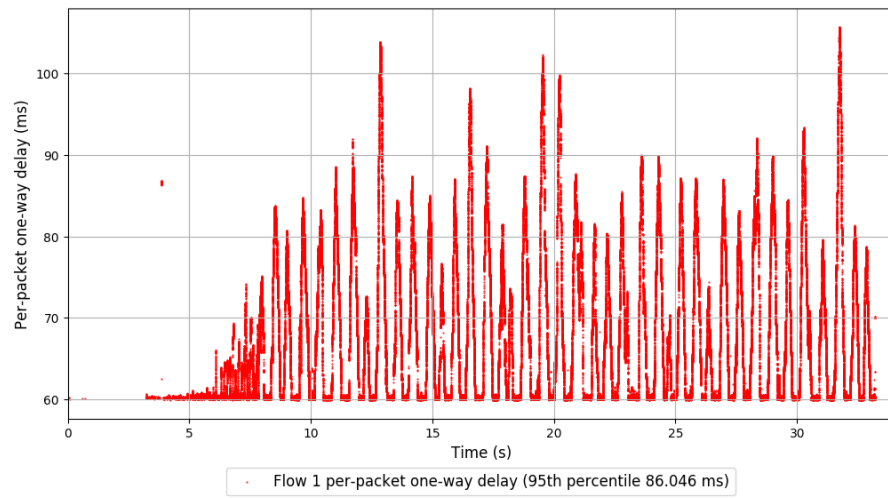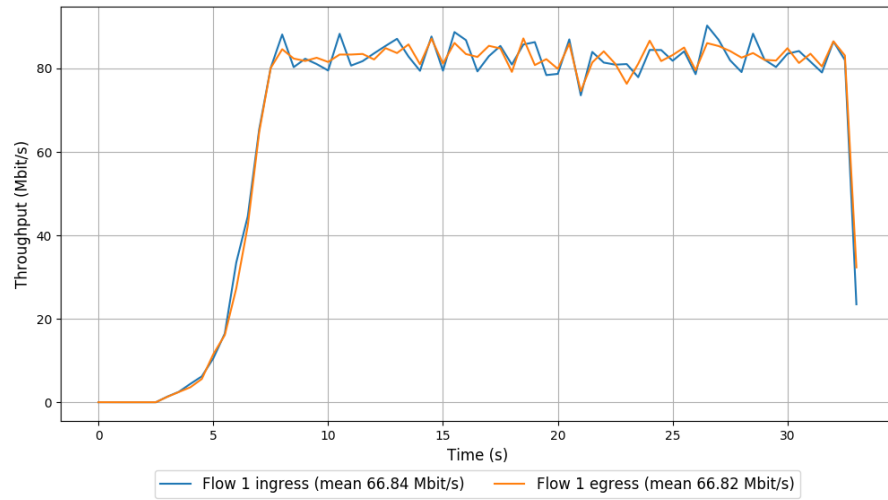
Run 4: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 66.84 Mbit/s) —— Flow 1 egress (mean 66.82 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 86.046 ms)

```
Run 5: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 19:45:20 +0000
End at: Tue, 13 Jun 2017 19:45:50 +0000
Local clock offset: 4.041 ms
Remote clock offset: 0.915 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:44:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.41 Mbit/s
95th percentile per-packet one-way delay: 102.403 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.41 Mbit/s
95th percentile per-packet one-way delay: 102.403 ms
Loss rate: 0.01%
```
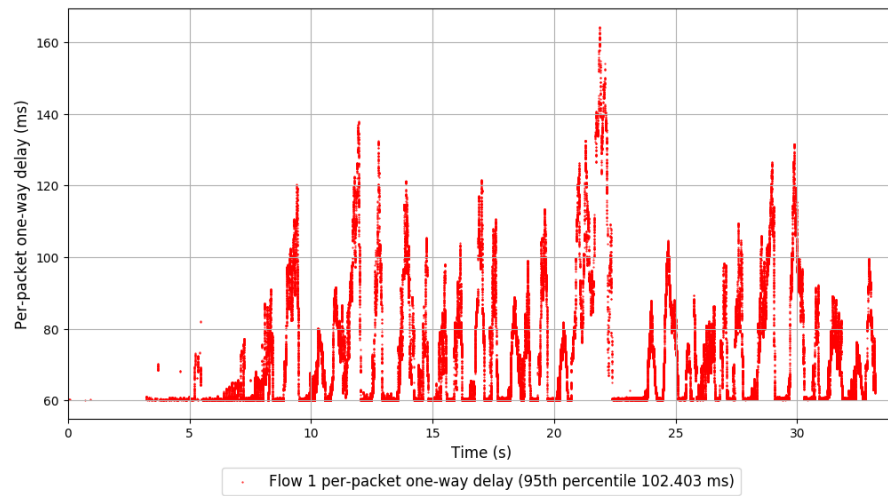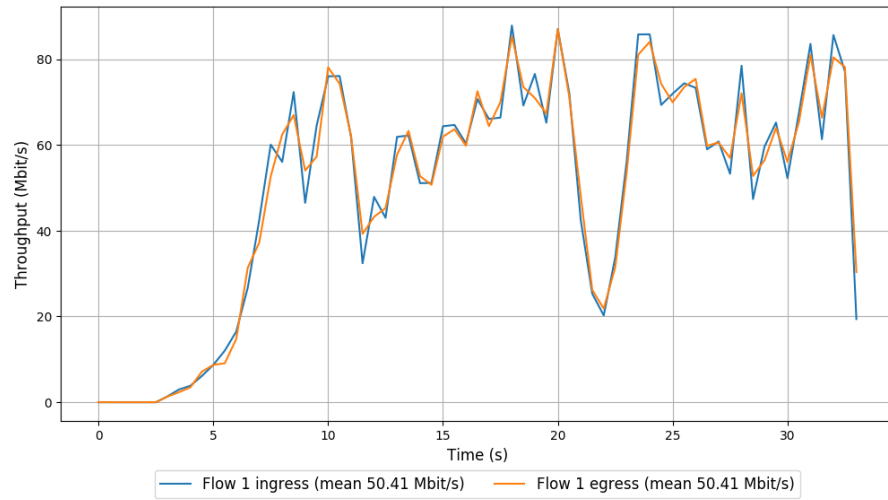
Run 5: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 50.41 Mbit/s) Flow 1 egress (mean 50.41 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 102.403 ms)

```
Run 6: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 20:03:03 +0000
End at: Tue, 13 Jun 2017 20:03:33 +0000
Local clock offset: 4.063 ms
Remote clock offset: -4.108 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:44:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.92 Mbit/s
95th percentile per-packet one-way delay: 90.714 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 68.92 Mbit/s
95th percentile per-packet one-way delay: 90.714 ms
Loss rate: 0.03%
```
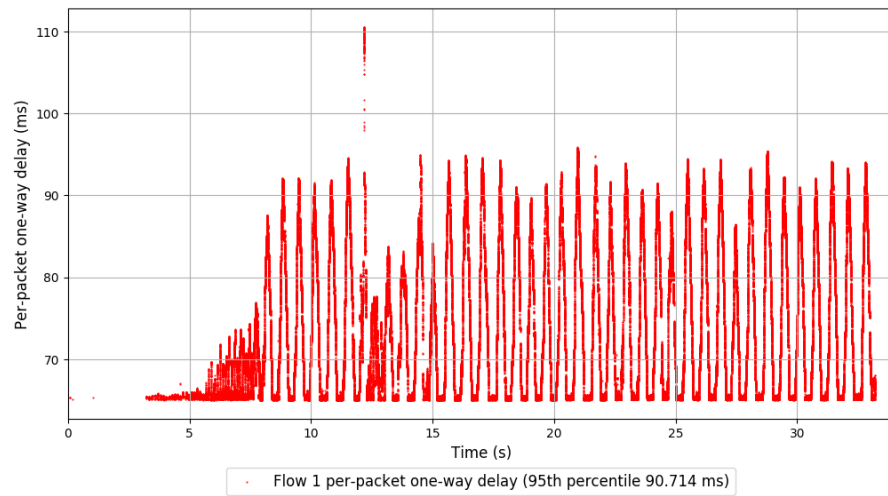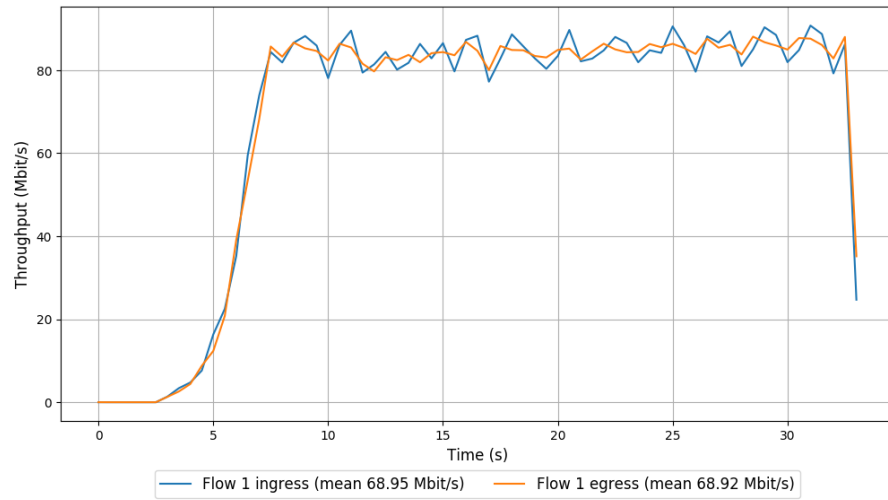
Run 6: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 68.95 Mbit/s)　　Flow 1 egress (mean 68.92 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 90.714 ms)

```
Run 7: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 20:20:33 +0000
End at: Tue, 13 Jun 2017 20:21:03 +0000
Local clock offset: 4.139 ms
Remote clock offset: -4.765 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:44:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.20 Mbit/s
95th percentile per-packet one-way delay: 99.970 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.20 Mbit/s
95th percentile per-packet one-way delay: 99.970 ms
Loss rate: 0.00%
```
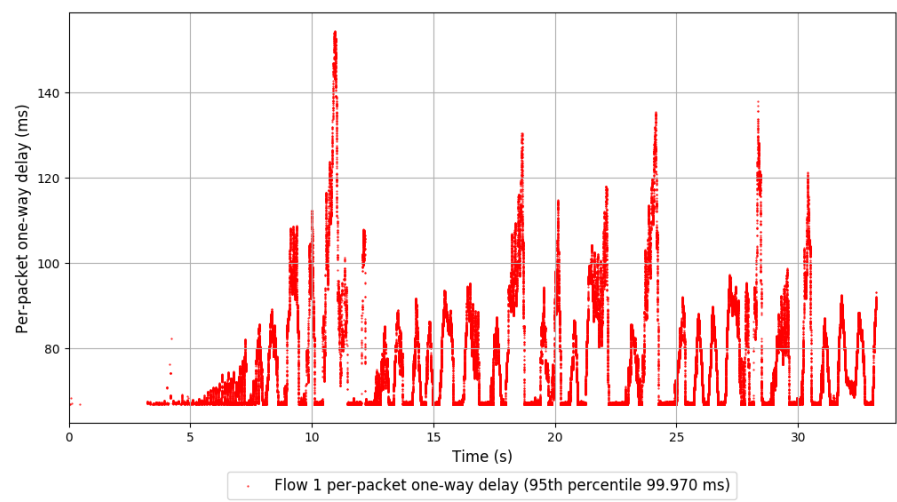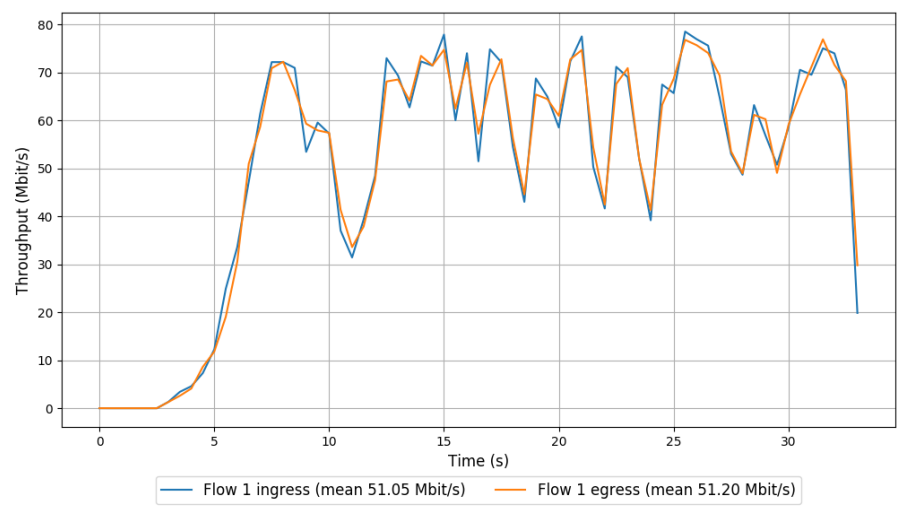
Run 7: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 51.05 Mbit/s) — Flow 1 egress (mean 51.20 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 99.970 ms)
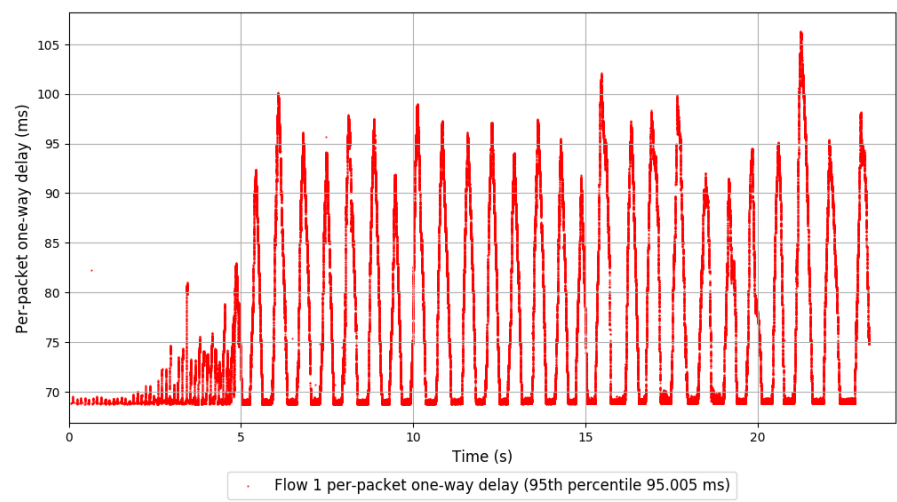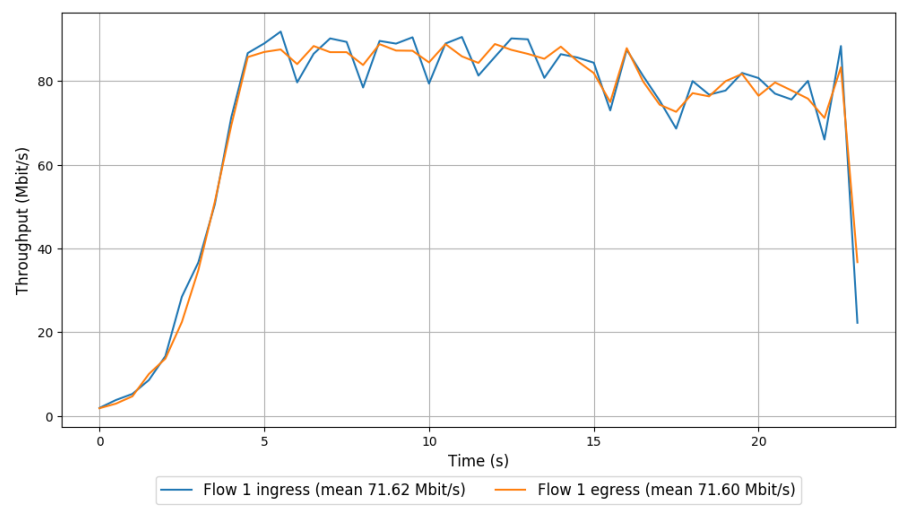
Run 8: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 20:38:05 +0000
End at: Tue, 13 Jun 2017 20:38:35 +0000
Local clock offset: 4.169 ms
Remote clock offset: -6.047 ms

Run 8: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 71.62 Mbit/s) —— Flow 1 egress (mean 71.60 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 95.005 ms)

```
Run 9: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 20:55:27 +0000
End at: Tue, 13 Jun 2017 20:55:57 +0000
Local clock offset: 3.728 ms
Remote clock offset: -9.257 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:44:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 101.457 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: 101.457 ms
Loss rate: 0.04%
```
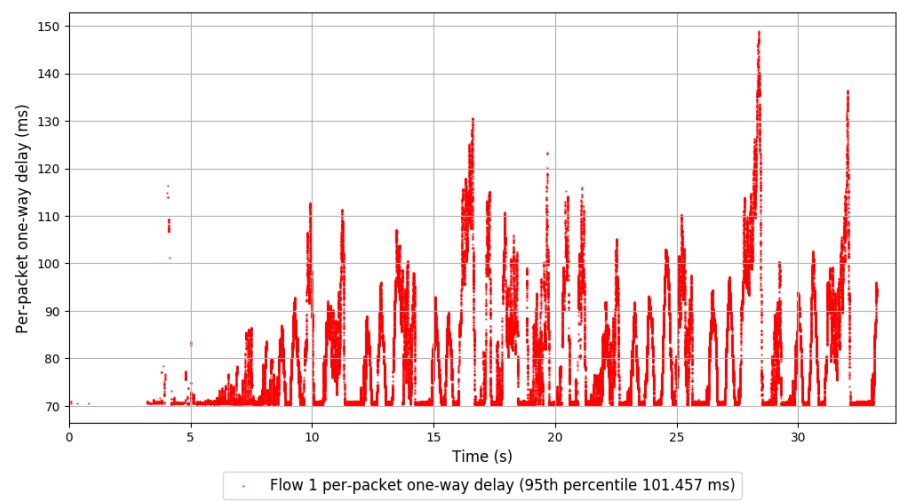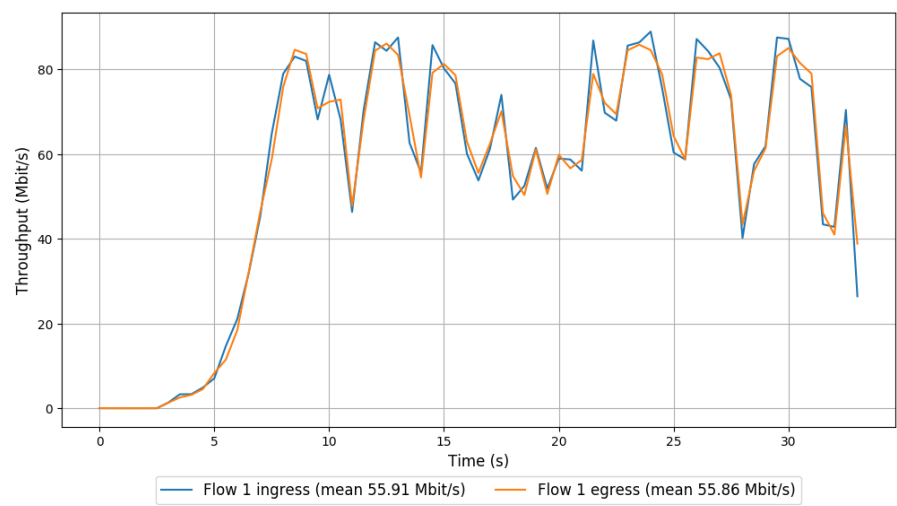
Run 9: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 55.91 Mbit/s)   Flow 1 egress (mean 55.86 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 101.457 ms)

```
Run 10: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 21:12:52 +0000
End at: Tue, 13 Jun 2017 21:13:22 +0000
Local clock offset: 3.54 ms
Remote clock offset: -8.359 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:45:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.94 Mbit/s
95th percentile per-packet one-way delay: 95.625 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 65.94 Mbit/s
95th percentile per-packet one-way delay: 95.625 ms
Loss rate: 0.03%
```
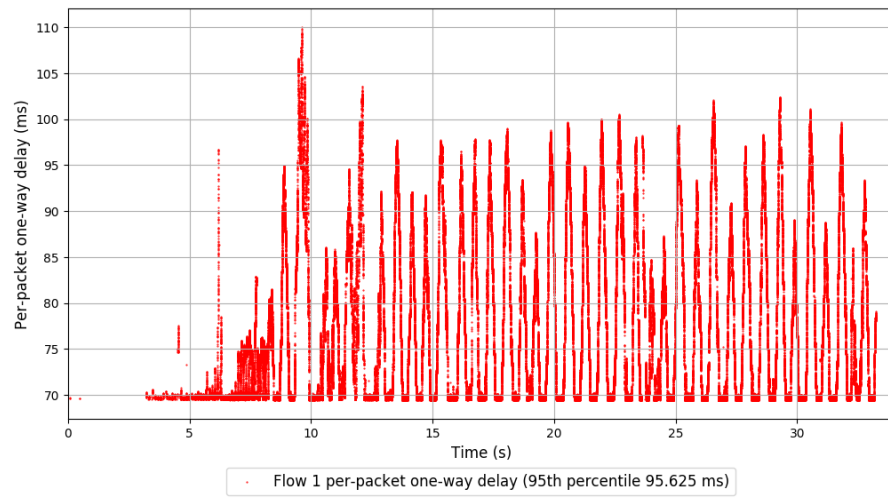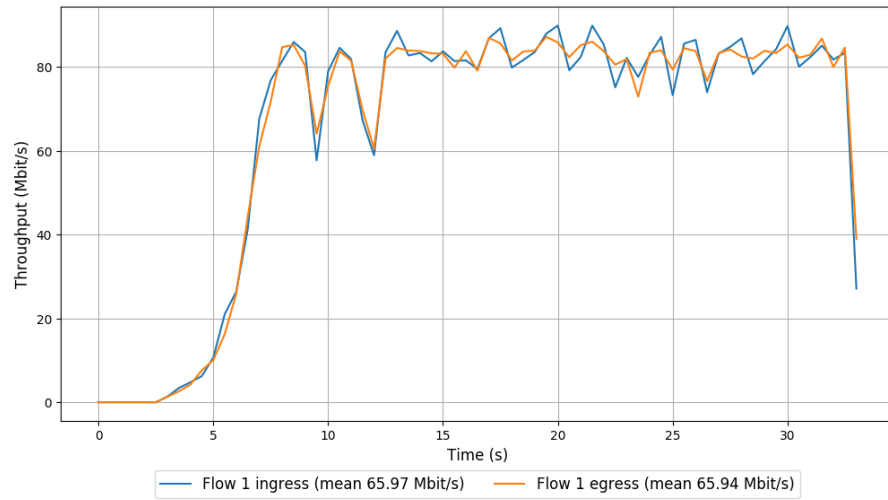
Run 10: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 65.97 Mbit/s) — Flow 1 egress (mean 65.94 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 95.625 ms)

```
Run 1: Statistics of Copa

Start at: Tue, 13 Jun 2017 18:25:31 +0000
End at: Tue, 13 Jun 2017 18:26:01 +0000
Local clock offset: 7.411 ms
Remote clock offset: 1.852 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:45:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 66.497 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 66.497 ms
Loss rate: 0.01%
```
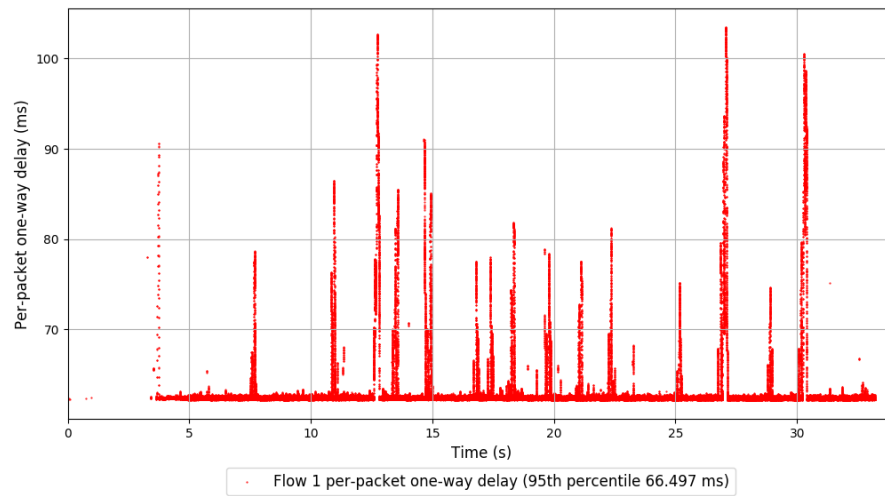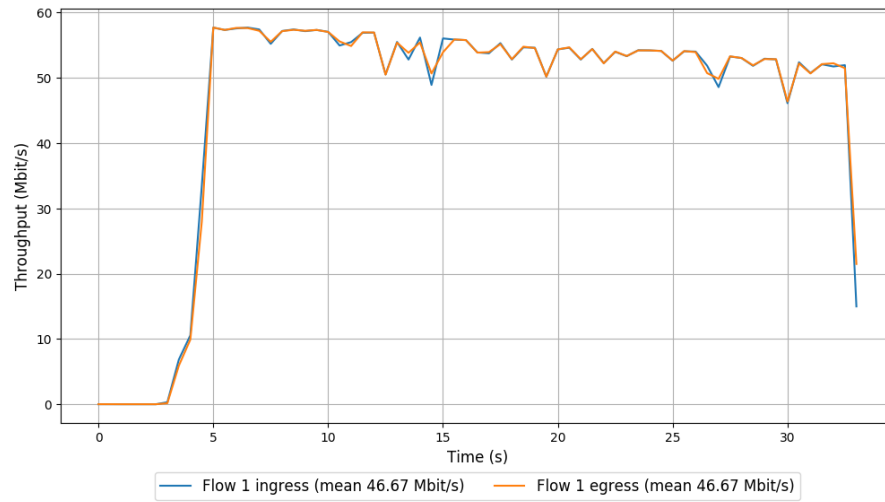
Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 46.67 Mbit/s)   Flow 1 egress (mean 46.67 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 66.497 ms)

```
Run 2: Statistics of Copa

Start at: Tue, 13 Jun 2017 18:43:04 +0000
End at: Tue, 13 Jun 2017 18:43:34 +0000
Local clock offset: 5.632 ms
Remote clock offset: 2.491 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:45:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 79.483 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 79.483 ms
Loss rate: 0.01%
```
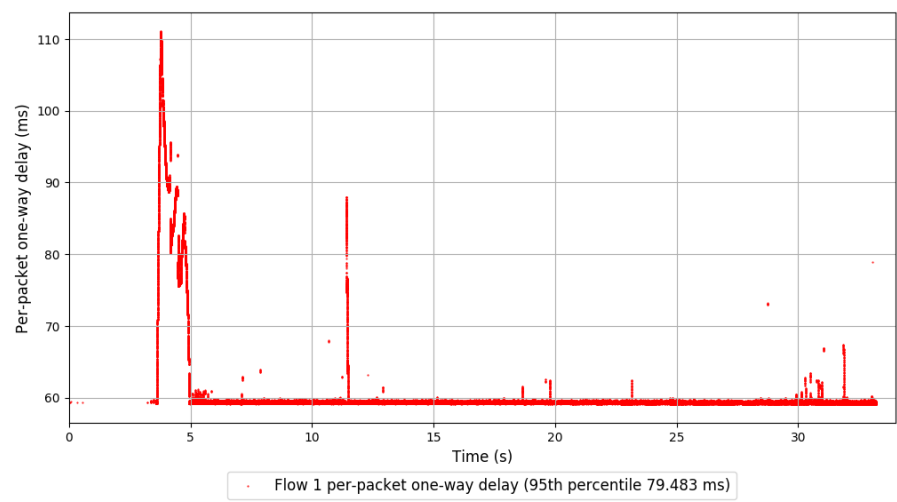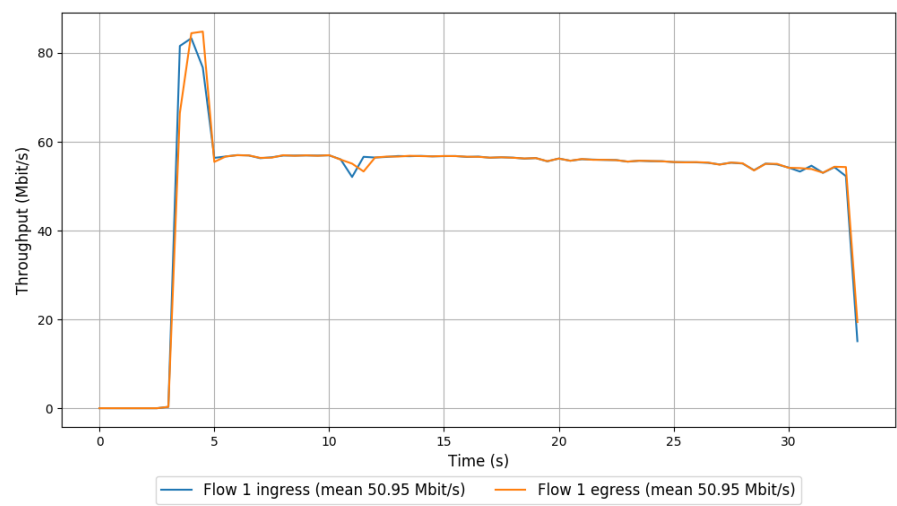
Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 50.95 Mbit/s)   Flow 1 egress (mean 50.95 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 79.483 ms)

47

```
Run 3: Statistics of Copa

Start at: Tue, 13 Jun 2017 19:00:40 +0000
End at: Tue, 13 Jun 2017 19:01:10 +0000
Local clock offset: 5.503 ms
Remote clock offset: 2.923 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:45:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 269.503 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 40.89 Mbit/s
95th percentile per-packet one-way delay: 269.503 ms
Loss rate: 0.88%
```
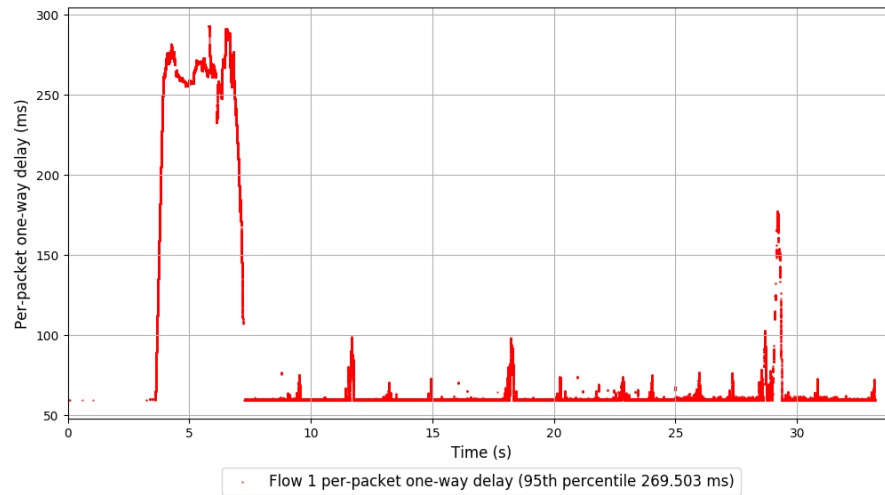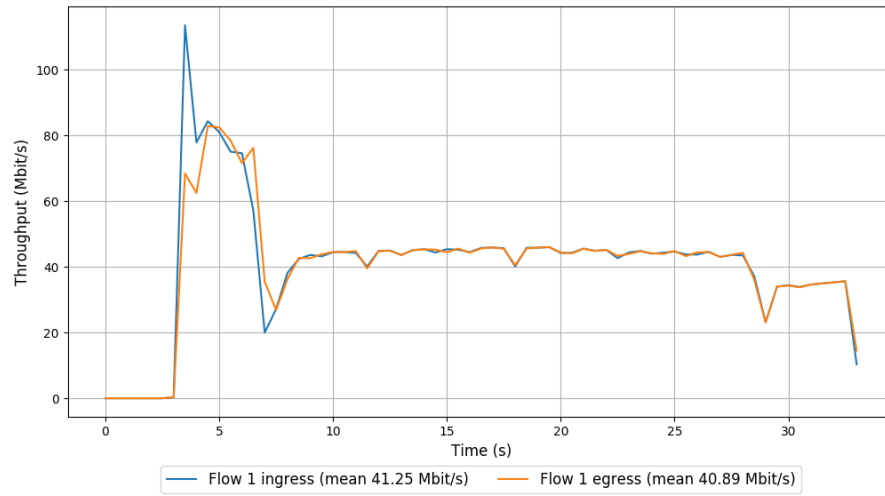
Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 41.25 Mbit/s)   Flow 1 egress (mean 40.89 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 269.503 ms)

```
Run 4: Statistics of Copa

Start at: Tue, 13 Jun 2017 19:18:14 +0000
End at: Tue, 13 Jun 2017 19:18:44 +0000
Local clock offset: 4.825 ms
Remote clock offset: 2.665 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:45:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 73.211 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 73.211 ms
Loss rate: 0.01%
```
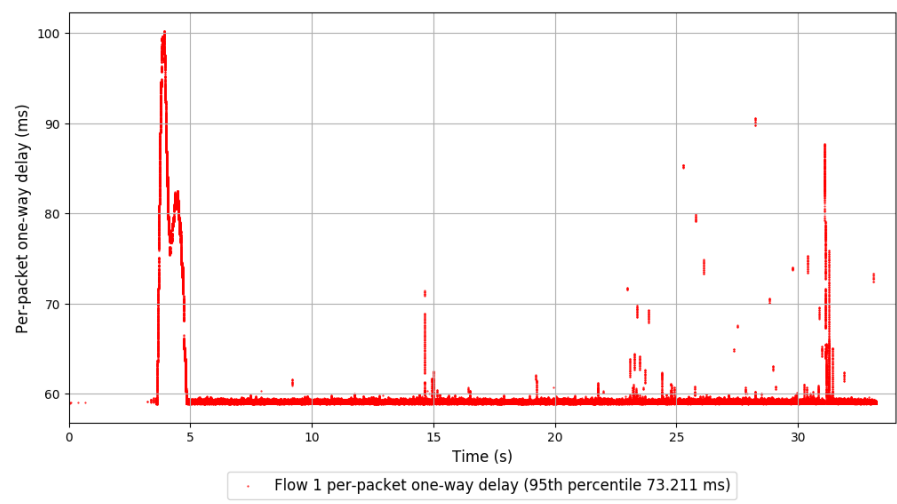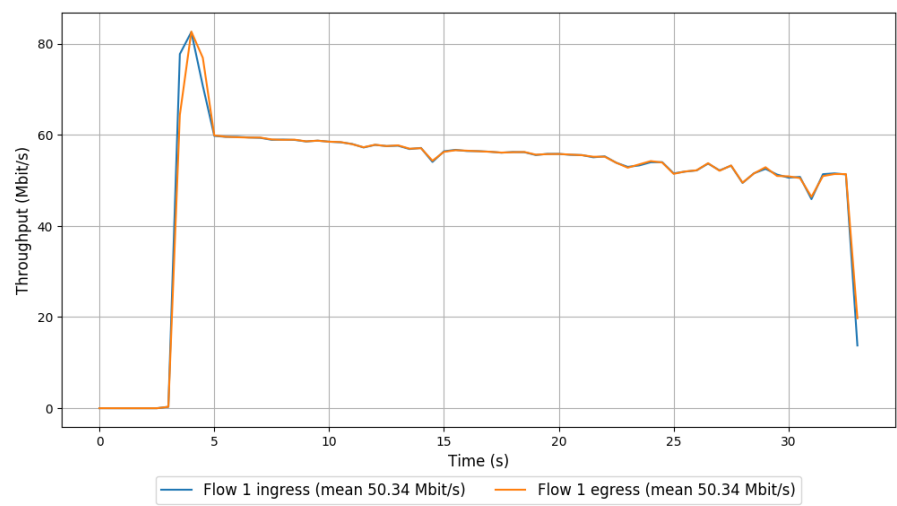
Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 50.34 Mbit/s)   Flow 1 egress (mean 50.34 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 73.211 ms)

```
Run 5: Statistics of Copa

Start at: Tue, 13 Jun 2017 19:35:47 +0000
End at: Tue, 13 Jun 2017 19:36:17 +0000
Local clock offset: 4.309 ms
Remote clock offset: 2.821 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:45:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 64.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.48 Mbit/s
95th percentile per-packet one-way delay: 64.046 ms
Loss rate: 0.00%
```
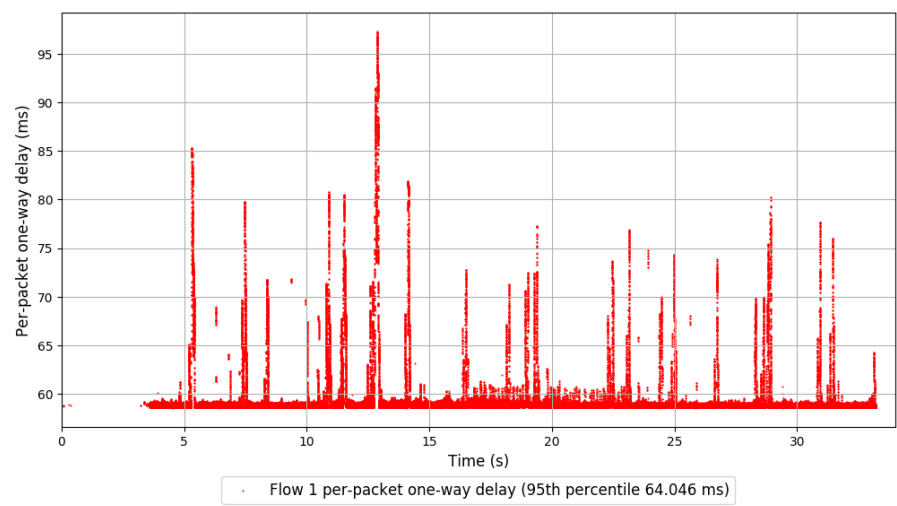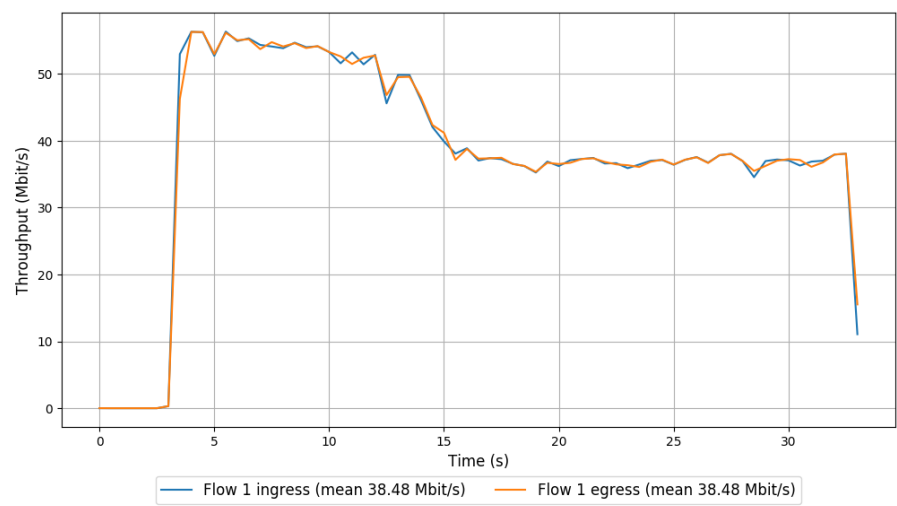
Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 38.48 Mbit/s)   Flow 1 egress (mean 38.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 64.046 ms)

```
Run 6: Statistics of Copa

Start at: Tue, 13 Jun 2017 19:53:25 +0000
End at: Tue, 13 Jun 2017 19:53:55 +0000
Local clock offset: 3.828 ms
Remote clock offset: -2.322 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:45:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.98 Mbit/s
95th percentile per-packet one-way delay: 64.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.98 Mbit/s
95th percentile per-packet one-way delay: 64.045 ms
Loss rate: 0.00%
```
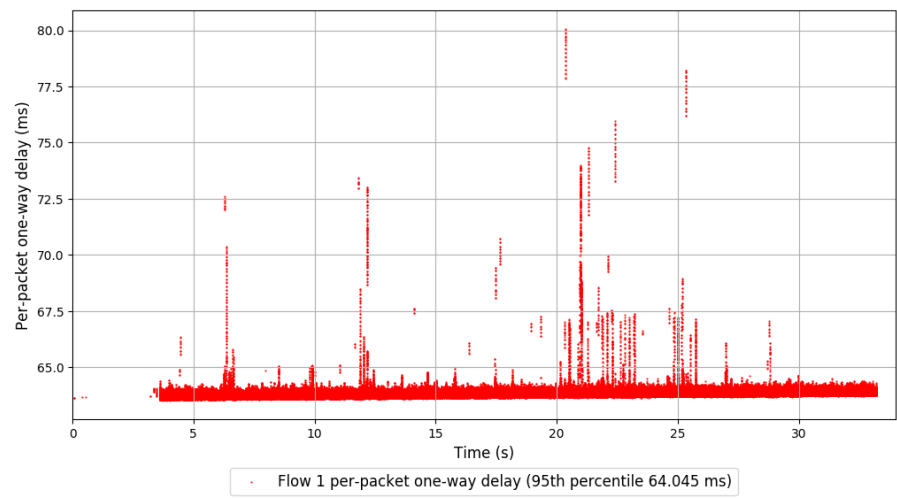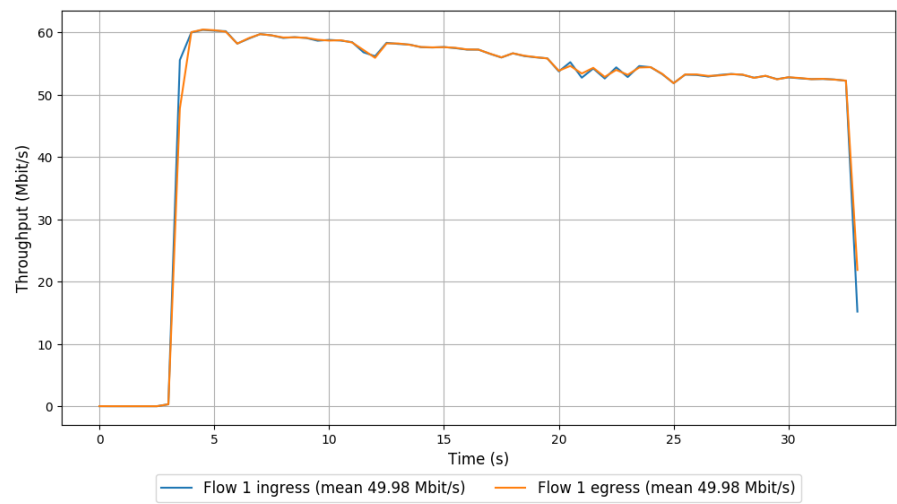
Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: Tue, 13 Jun 2017 20:11:07 +0000
End at: Tue, 13 Jun 2017 20:11:37 +0000
Local clock offset: 4.257 ms
Remote clock offset: -4.12 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:45:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.23 Mbit/s
95th percentile per-packet one-way delay: 91.129 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 41.23 Mbit/s
95th percentile per-packet one-way delay: 91.129 ms
Loss rate: 0.31%
```
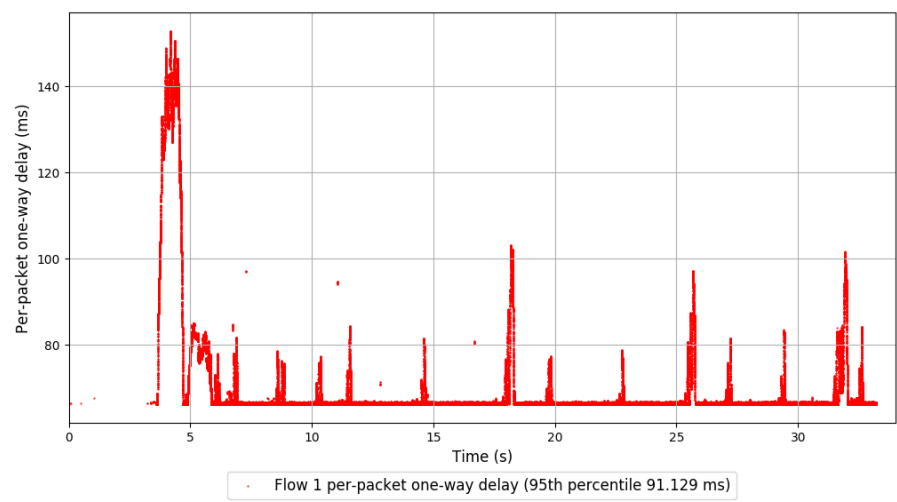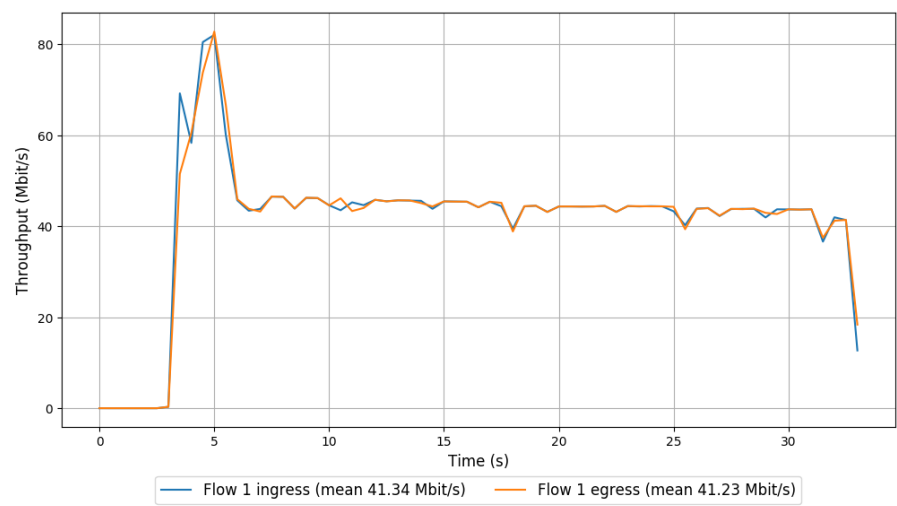
Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 41.34 Mbit/s) —— Flow 1 egress (mean 41.23 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 91.129 ms)

```
Run 8: Statistics of Copa

Start at: Tue, 13 Jun 2017 20:28:37 +0000
End at: Tue, 13 Jun 2017 20:29:07 +0000
Local clock offset: 4.251 ms
Remote clock offset: -5.256 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:45:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 118.898 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 34.64 Mbit/s
95th percentile per-packet one-way delay: 118.898 ms
Loss rate: 0.00%
```
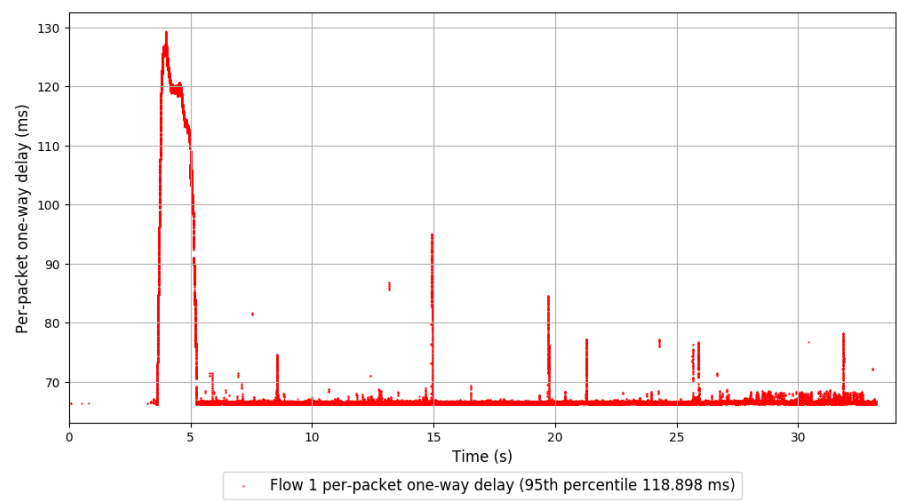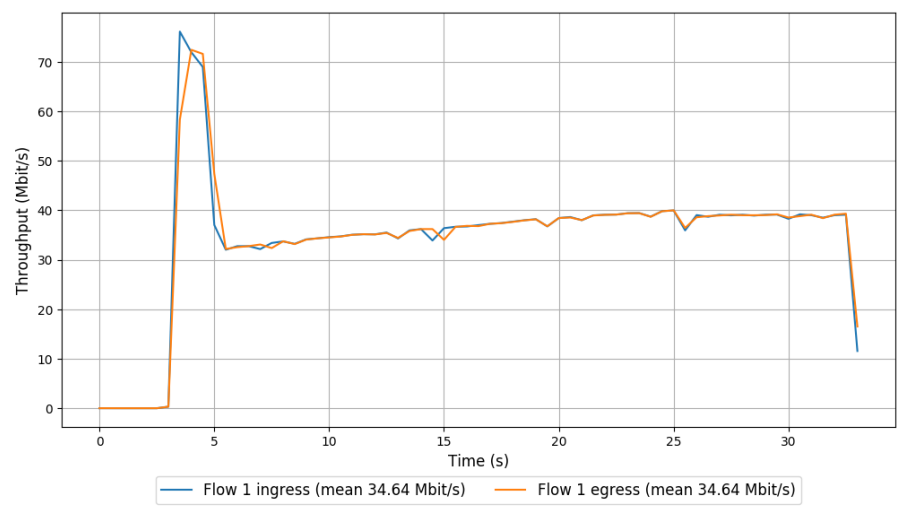
Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 34.64 Mbit/s) ——— Flow 1 egress (mean 34.64 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 118.898 ms)

```
Run 9: Statistics of Copa

Start at: Tue, 13 Jun 2017 20:46:15 +0000
End at: Tue, 13 Jun 2017 20:46:45 +0000
Local clock offset: 4.041 ms
Remote clock offset: -8.829 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:45:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 78.954 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 78.954 ms
Loss rate: 0.14%
```
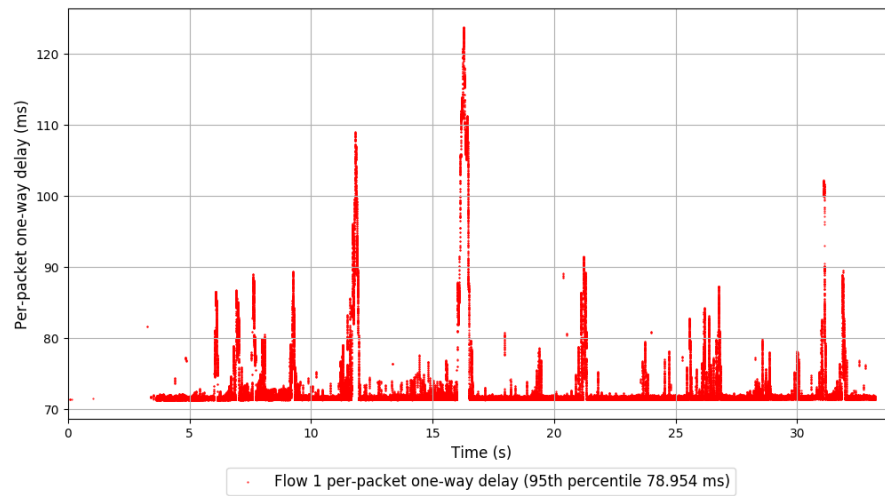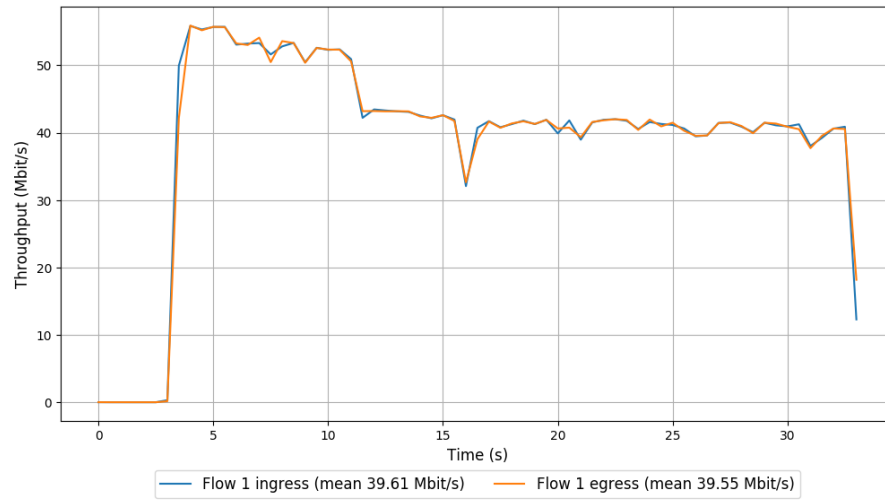
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 39.61 Mbit/s)   Flow 1 egress (mean 39.55 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 78.954 ms)

```
Run 10: Statistics of Copa

Start at: Tue, 13 Jun 2017 21:03:39 +0000
End at: Tue, 13 Jun 2017 21:04:09 +0000
Local clock offset: 3.686 ms
Remote clock offset: -8.786 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:46:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 70.671 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 41.75 Mbit/s
95th percentile per-packet one-way delay: 70.671 ms
Loss rate: 0.02%
```
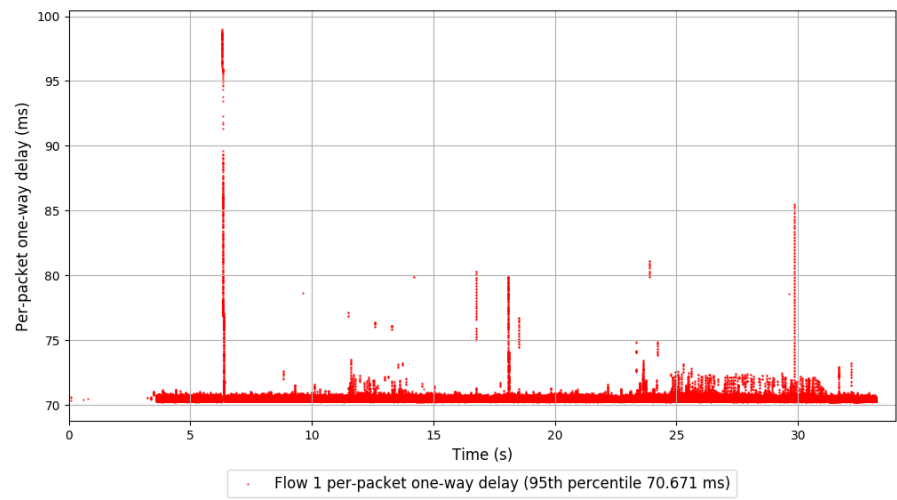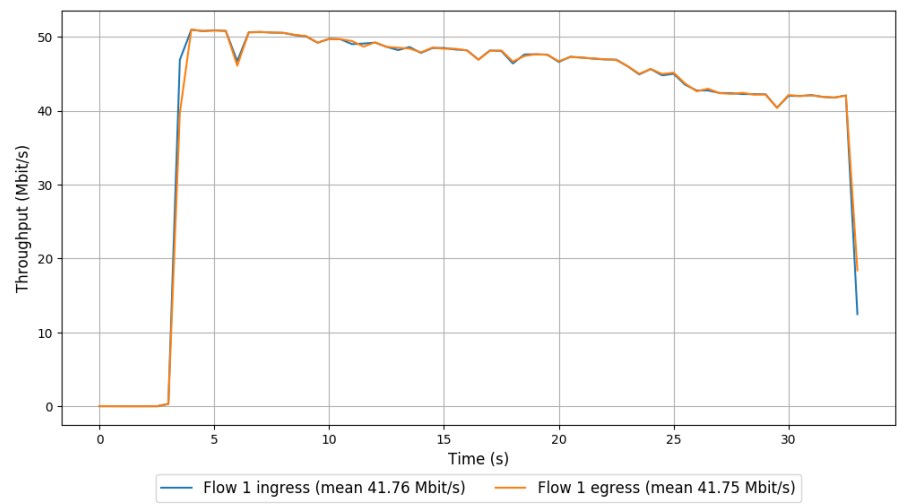
Run 10: Report of Copa — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 18:40:44 +0000
End at: Tue, 13 Jun 2017 18:41:14 +0000
Local clock offset: 5.807 ms
Remote clock offset: 2.611 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:46:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.05 Mbit/s
95th percentile per-packet one-way delay: 233.248 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 69.05 Mbit/s
95th percentile per-packet one-way delay: 233.248 ms
Loss rate: 0.03%
```
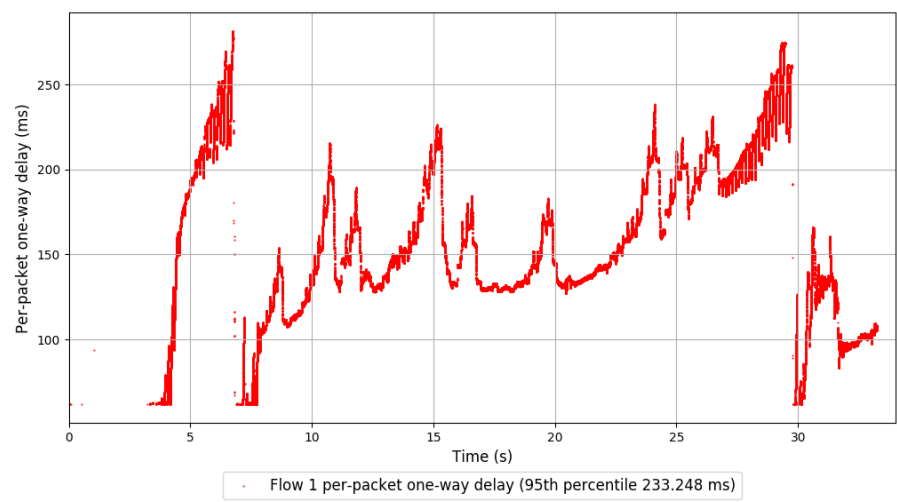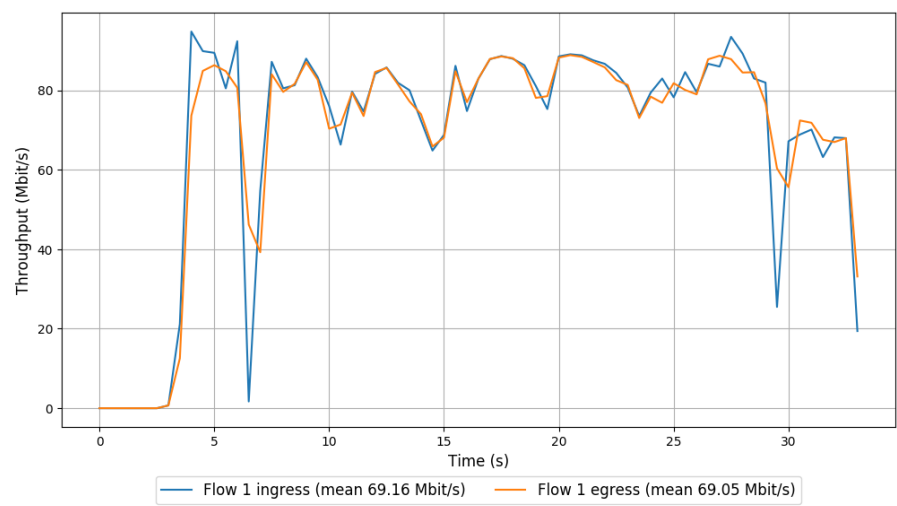
Run 1: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 69.16 Mbit/s) — Flow 1 egress (mean 69.05 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 233.248 ms)

```
Run 2: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 18:58:20 +0000
End at: Tue, 13 Jun 2017 18:58:50 +0000
Local clock offset: 5.427 ms
Remote clock offset: 2.988 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:46:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 244.078 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 244.078 ms
Loss rate: 0.01%
```
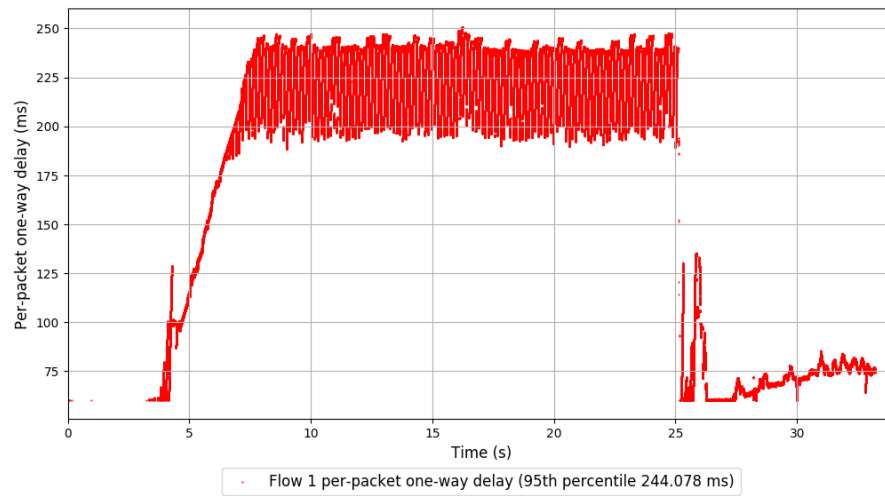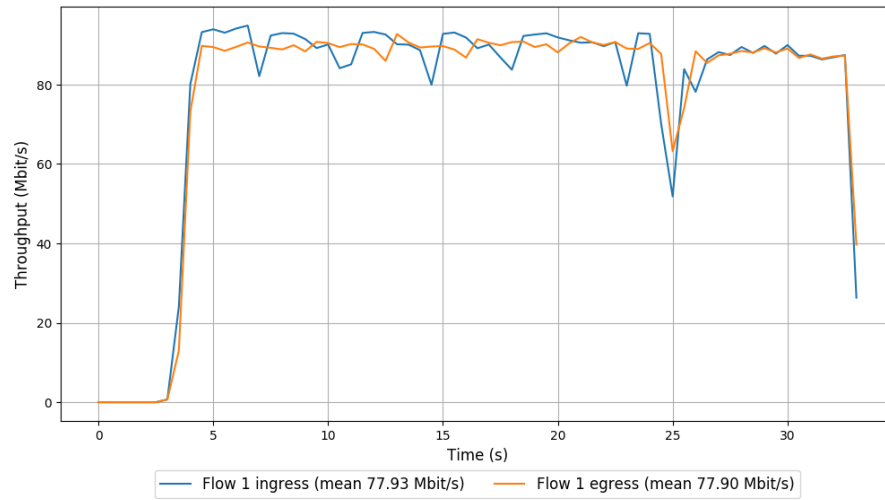
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 77.93 Mbit/s)   Flow 1 egress (mean 77.90 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 244.078 ms)

```
Run 3: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 19:15:55 +0000
End at: Tue, 13 Jun 2017 19:16:25 +0000
Local clock offset: 4.888 ms
Remote clock offset: 2.557 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:46:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.54 Mbit/s
95th percentile per-packet one-way delay: 233.479 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 67.54 Mbit/s
95th percentile per-packet one-way delay: 233.479 ms
Loss rate: 0.02%
```
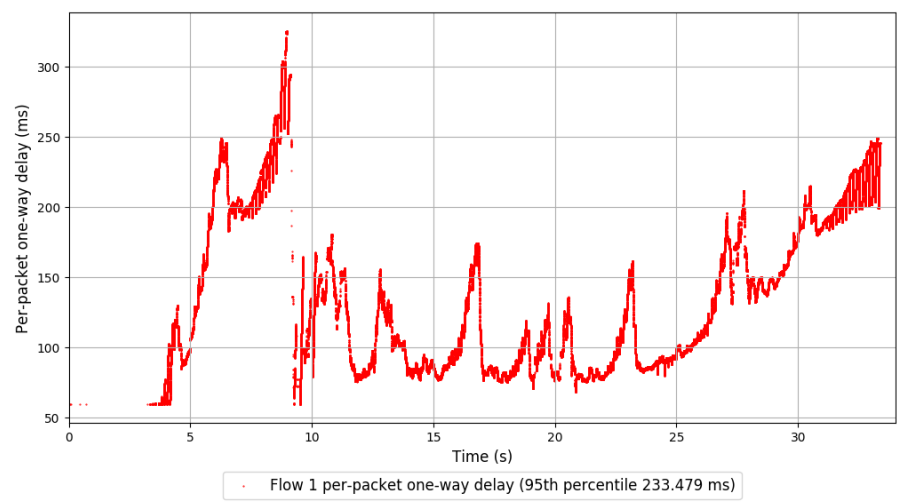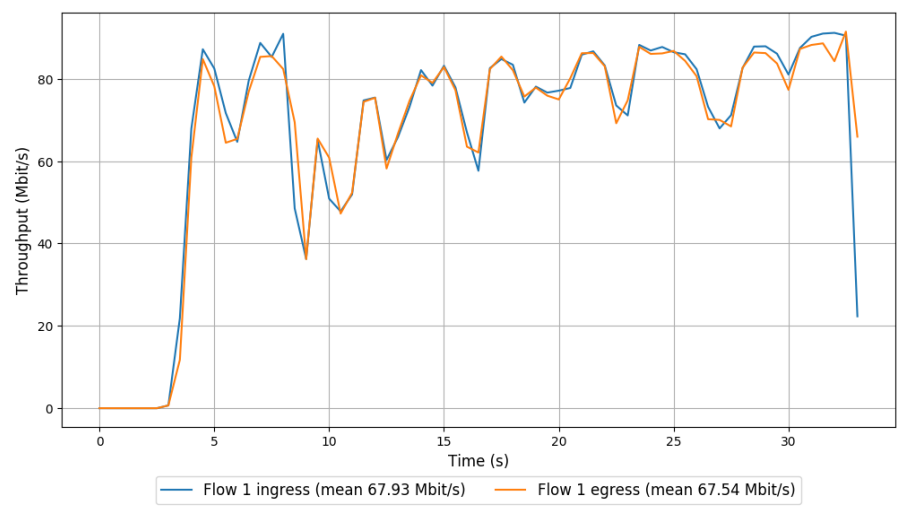
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 67.93 Mbit/s) —— Flow 1 egress (mean 67.54 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 233.479 ms)

```
Run 4: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 19:33:27 +0000
End at: Tue, 13 Jun 2017 19:33:57 +0000
Local clock offset: 4.448 ms
Remote clock offset: 1.993 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:46:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.06 Mbit/s
95th percentile per-packet one-way delay: 95.959 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 68.06 Mbit/s
95th percentile per-packet one-way delay: 95.959 ms
Loss rate: 0.04%
```
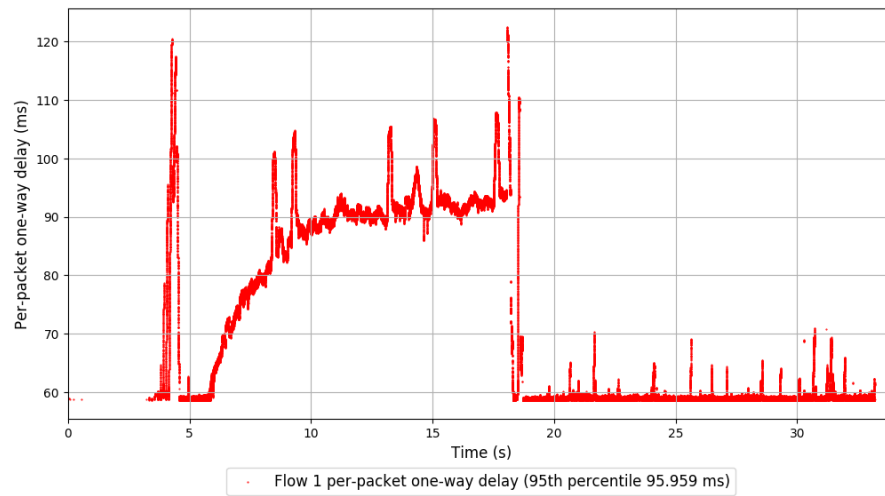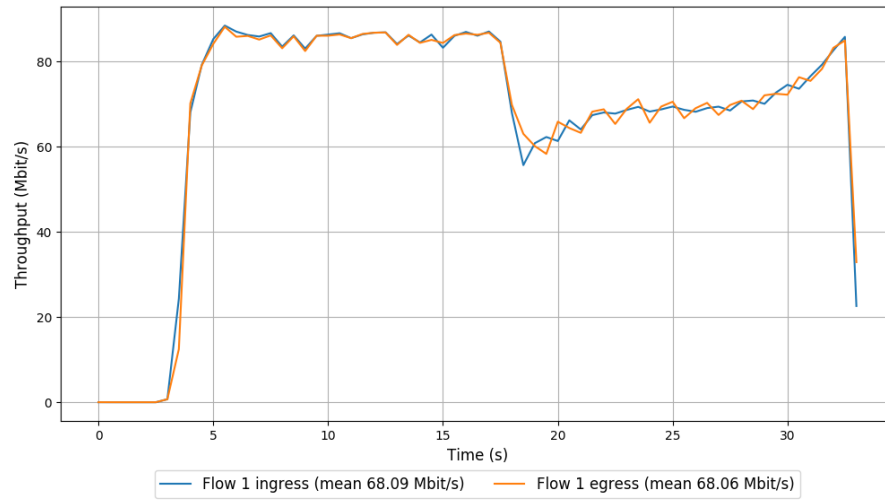
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 68.09 Mbit/s) — Flow 1 egress (mean 68.06 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 95.959 ms)

```
Run 5: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 19:51:04 +0000
End at: Tue, 13 Jun 2017 19:51:34 +0000
Local clock offset: 3.885 ms
Remote clock offset: -1.35 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:46:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.76 Mbit/s
95th percentile per-packet one-way delay: 210.284 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 68.76 Mbit/s
95th percentile per-packet one-way delay: 210.284 ms
Loss rate: 0.04%
```
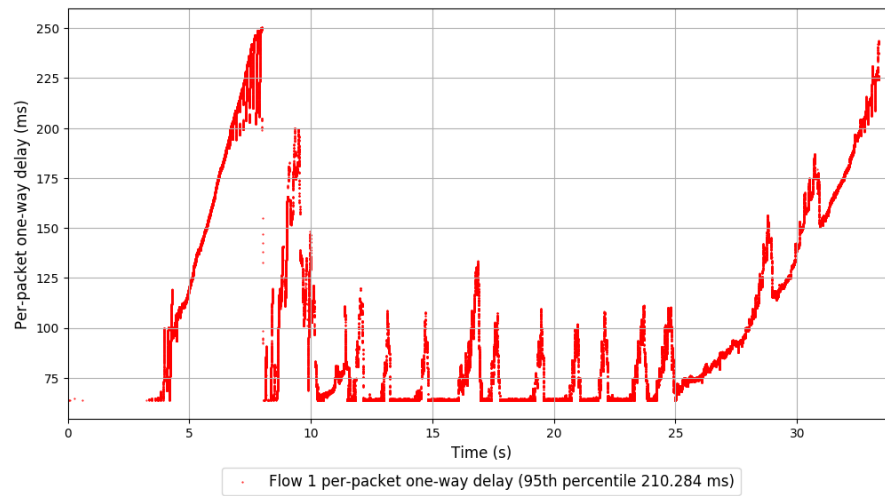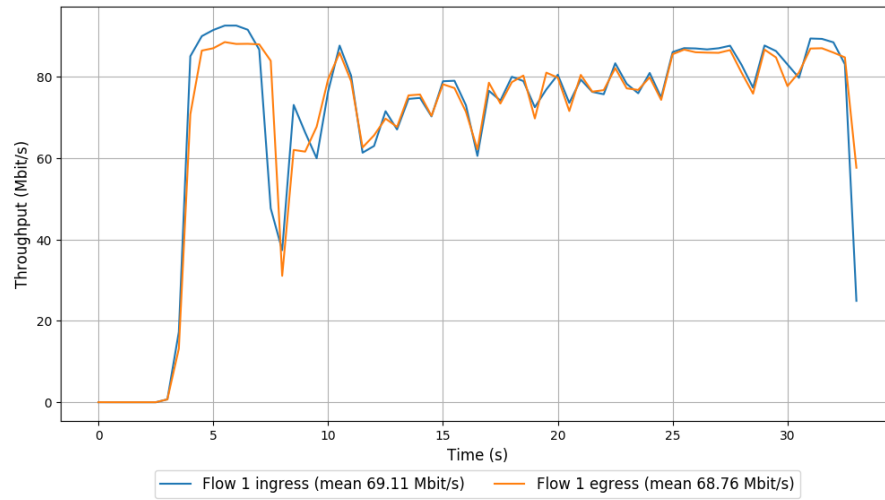
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 69.11 Mbit/s)　　Flow 1 egress (mean 68.76 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 210.284 ms)

```
Run 6: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 20:08:47 +0000
End at: Tue, 13 Jun 2017 20:09:17 +0000
Local clock offset: 4.125 ms
Remote clock offset: -3.769 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:46:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 211.835 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 211.835 ms
Loss rate: 0.05%
```
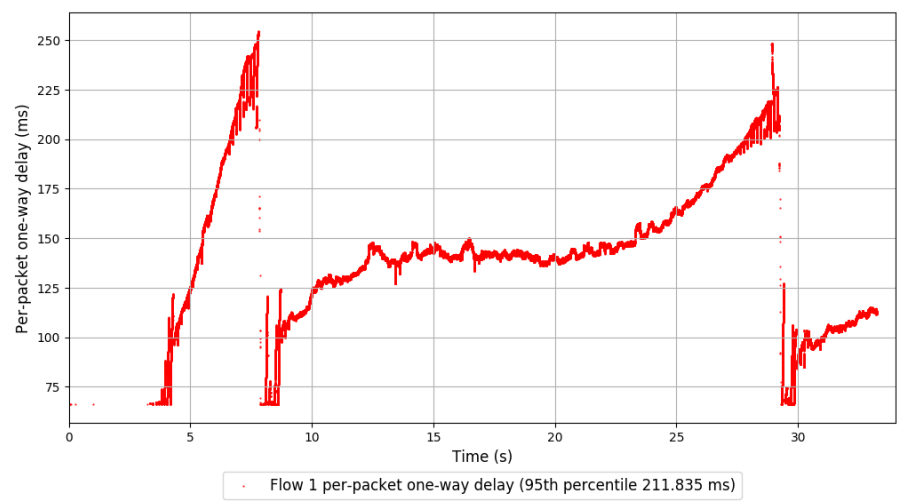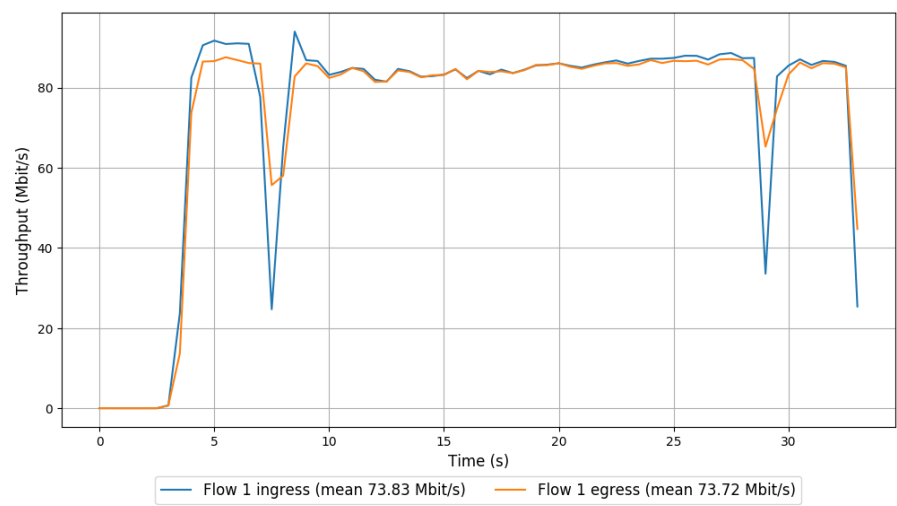
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 73.83 Mbit/s)   Flow 1 egress (mean 73.72 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 211.835 ms)

```
Run 7: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 20:26:17 +0000
End at: Tue, 13 Jun 2017 20:26:47 +0000
Local clock offset: 4.216 ms
Remote clock offset: -5.212 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:46:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.69 Mbit/s
95th percentile per-packet one-way delay: 221.049 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 67.69 Mbit/s
95th percentile per-packet one-way delay: 221.049 ms
Loss rate: 0.05%
```
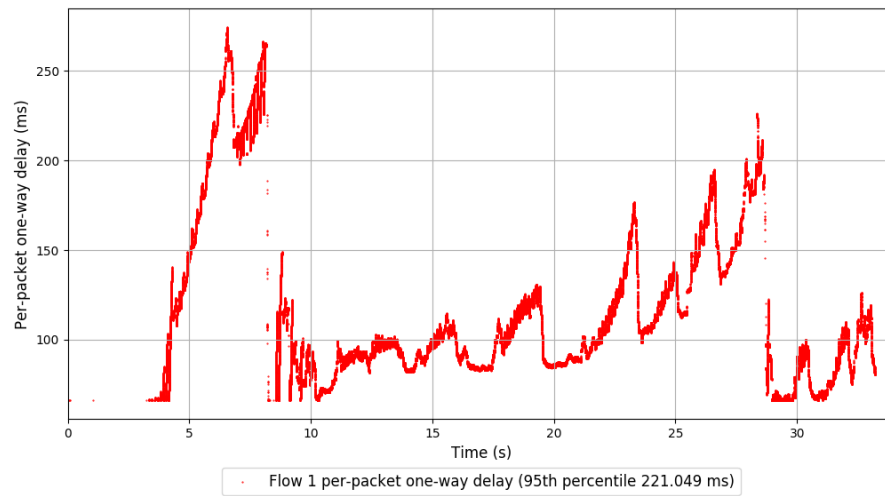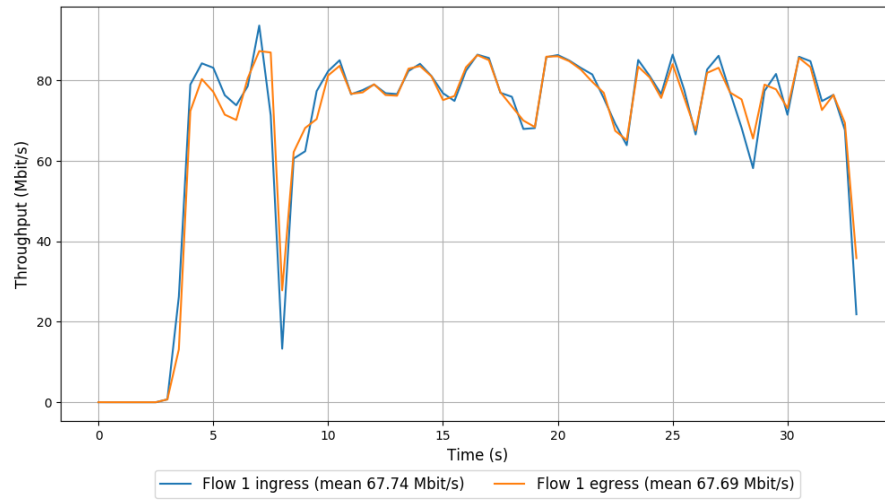
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 67.74 Mbit/s) ——— Flow 1 egress (mean 67.69 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 221.049 ms)

```
Run 8: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 20:43:55 +0000
End at: Tue, 13 Jun 2017 20:44:25 +0000
Local clock offset: 4.073 ms
Remote clock offset: -8.137 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:46:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 235.085 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 63.46 Mbit/s
95th percentile per-packet one-way delay: 235.085 ms
Loss rate: 0.17%
```
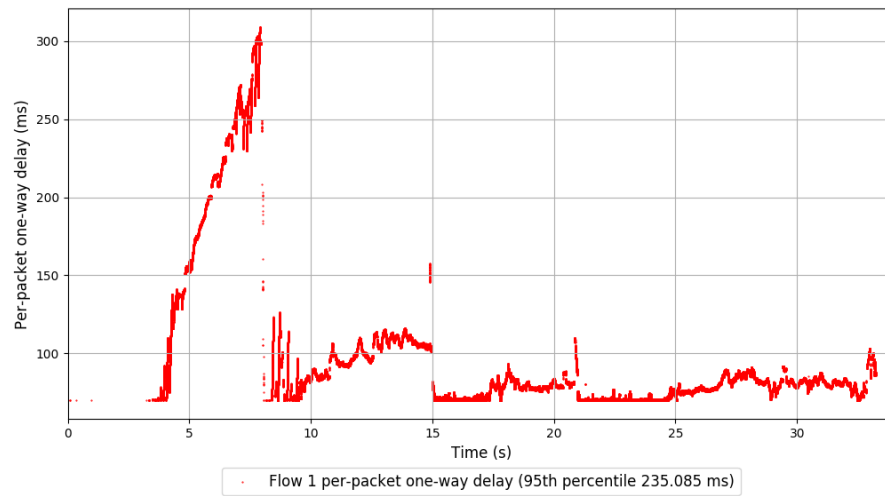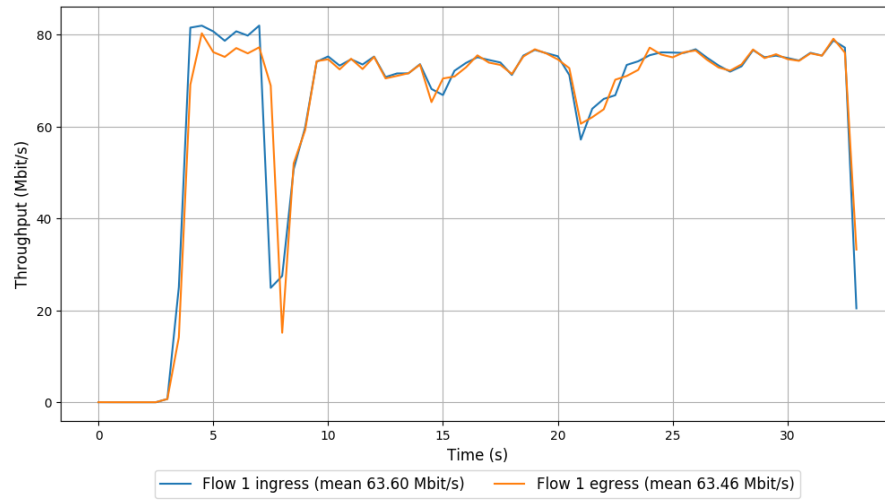
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 63.60 Mbit/s)   Flow 1 egress (mean 63.46 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 235.085 ms)

```
Run 9: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 21:01:20 +0000
End at: Tue, 13 Jun 2017 21:01:50 +0000
Local clock offset: 3.752 ms
Remote clock offset: -9.41 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:46:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 257.035 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 66.57 Mbit/s
95th percentile per-packet one-way delay: 257.035 ms
Loss rate: 0.03%
```
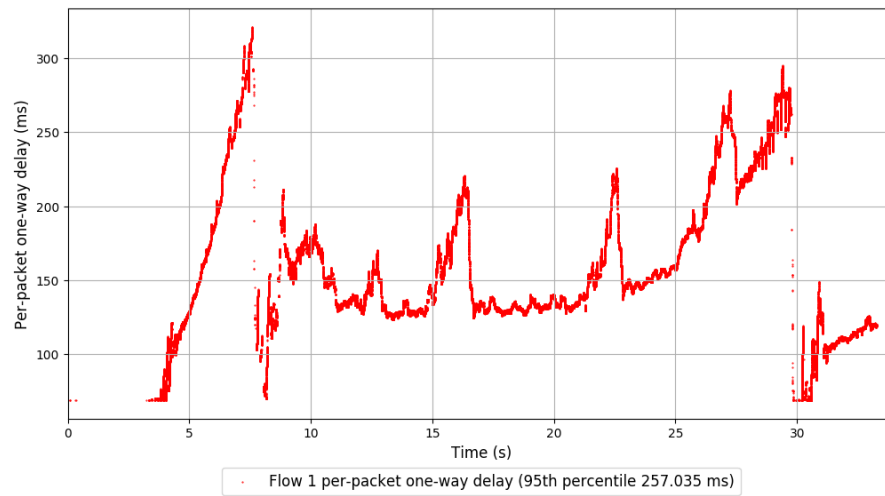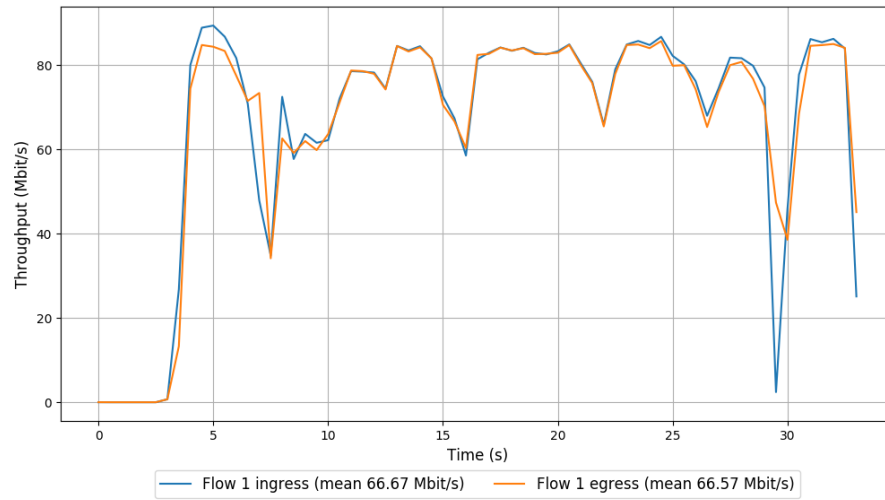
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 66.67 Mbit/s) —— Flow 1 egress (mean 66.57 Mbit/s)

. Flow 1 per-packet one-way delay (95th percentile 257.035 ms)

```
Run 10: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 21:18:36 +0000
End at: Tue, 13 Jun 2017 21:19:06 +0000
Local clock offset: 3.415 ms
Remote clock offset: -7.729 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 213.265 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 213.265 ms
Loss rate: 0.08%
```
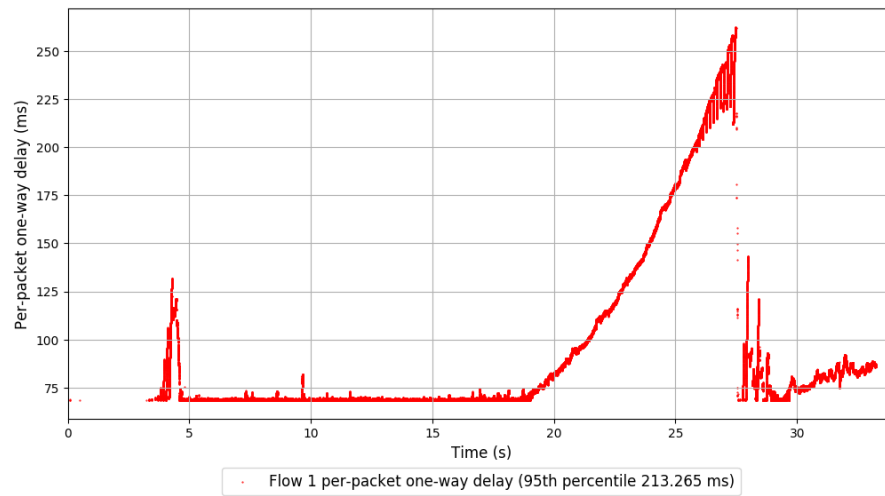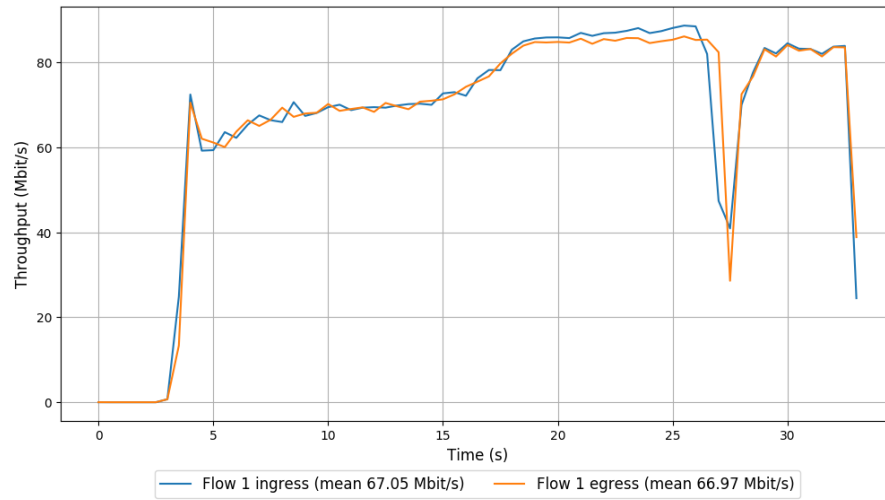
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 67.05 Mbit/s)   Flow 1 egress (mean 66.97 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 213.265 ms)

```
Run 1: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 18:41:57 +0000
End at: Tue, 13 Jun 2017 18:42:27 +0000
Local clock offset: 5.728 ms
Remote clock offset: 2.348 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 60.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 60.438 ms
Loss rate: 0.00%
```
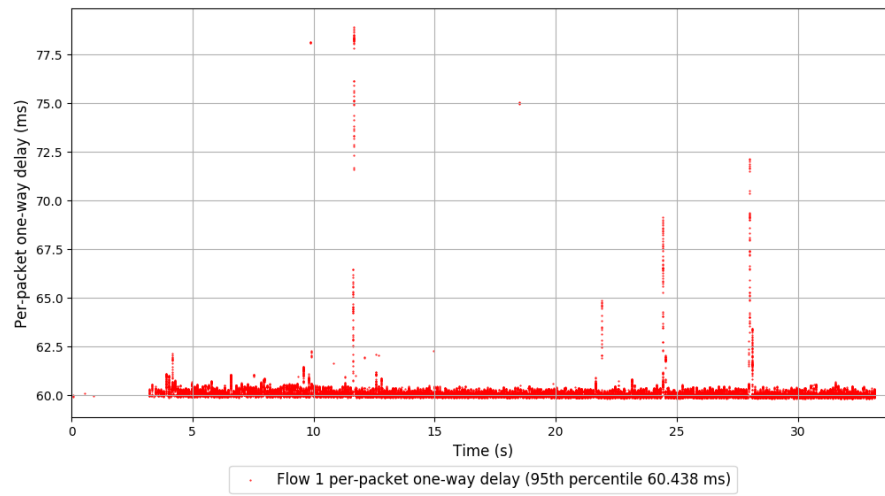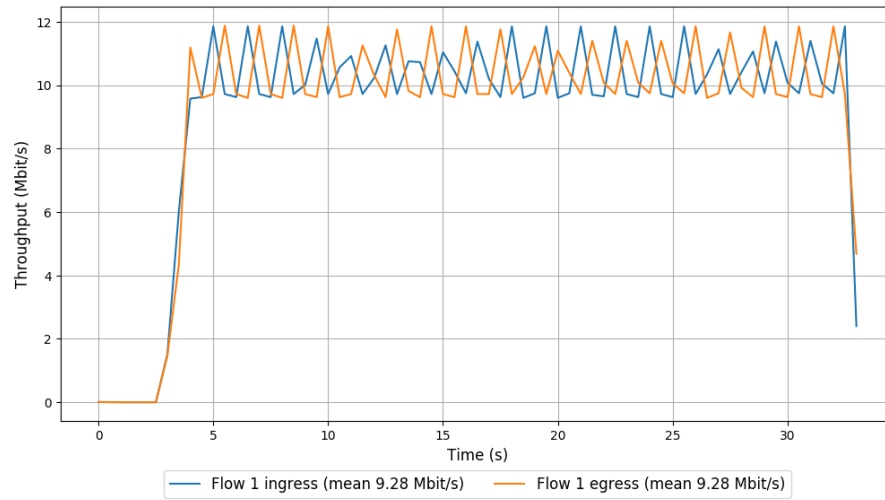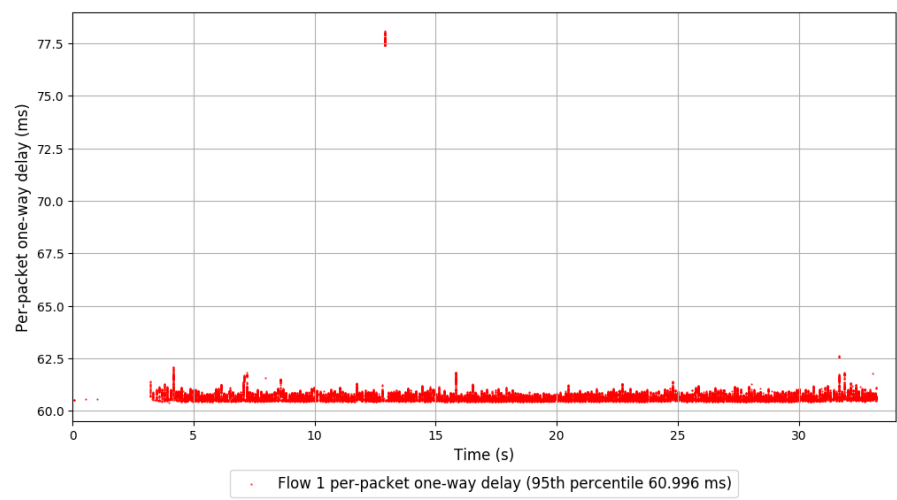
Run 1: Report of KohoCC — Data Link

```
Run 2: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 18:59:33 +0000
End at: Tue, 13 Jun 2017 19:00:03 +0000
Local clock offset: 5.459 ms
Remote clock offset: 2.749 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 60.996 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 60.996 ms
Loss rate: 0.00%
```
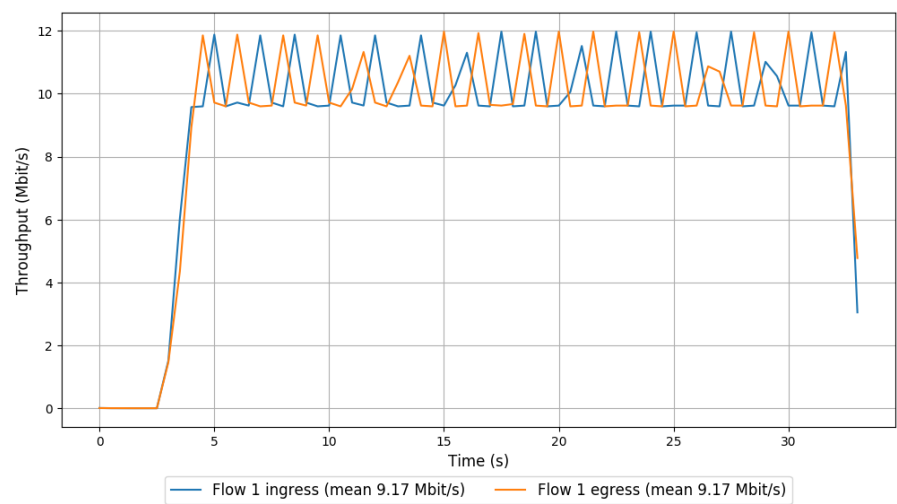
Run 2: Report of KohoCC — Data Link

```
Run 3: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 19:17:07 +0000
End at: Tue, 13 Jun 2017 19:17:37 +0000
Local clock offset: 4.861 ms
Remote clock offset: 2.875 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 60.725 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 60.725 ms
Loss rate: 0.00%
```
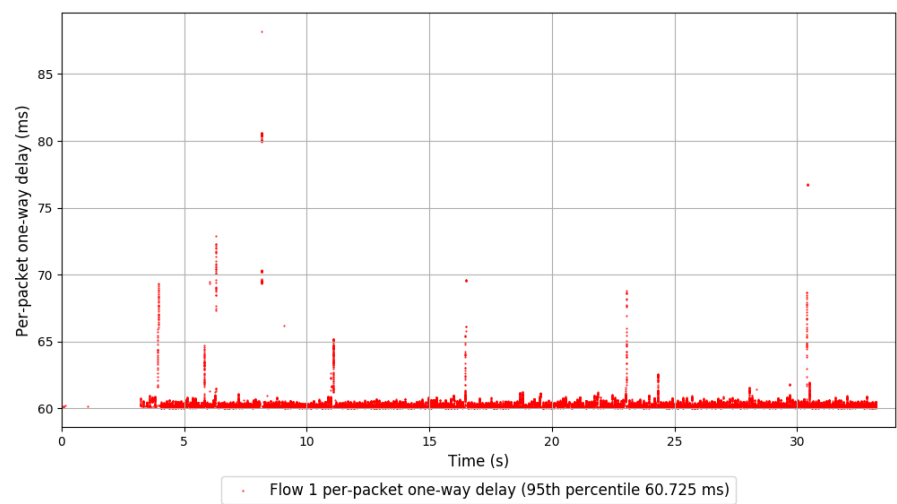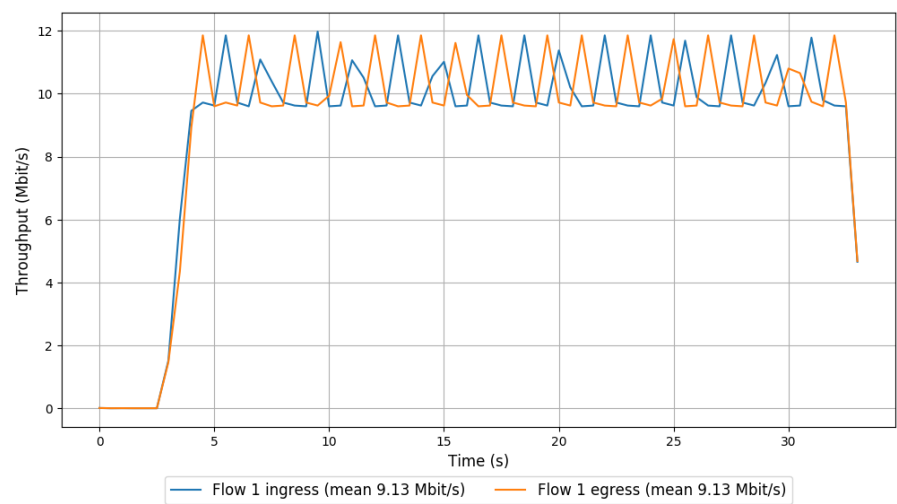
Run 3: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.13 Mbit/s)   Flow 1 egress (mean 9.13 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 60.725 ms)

```
Run 4: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 19:34:40 +0000
End at: Tue, 13 Jun 2017 19:35:10 +0000
Local clock offset: 4.409 ms
Remote clock offset: 2.165 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 59.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 59.167 ms
Loss rate: 0.00%
```
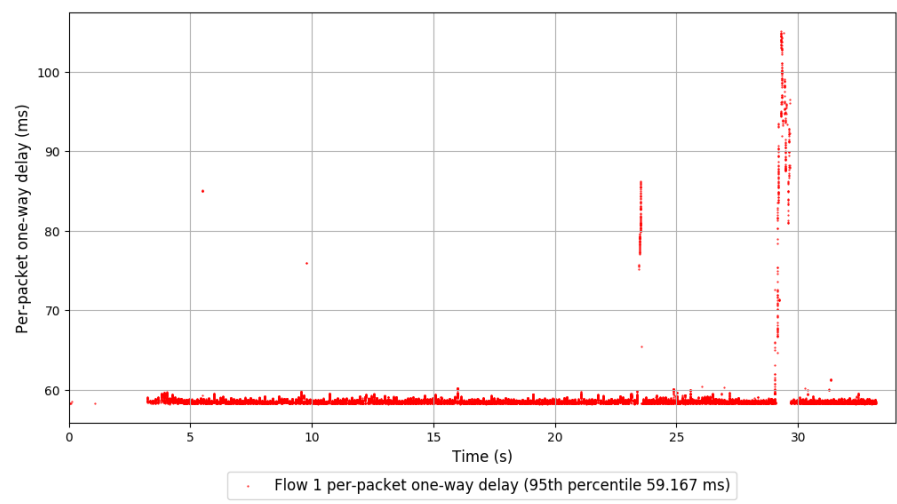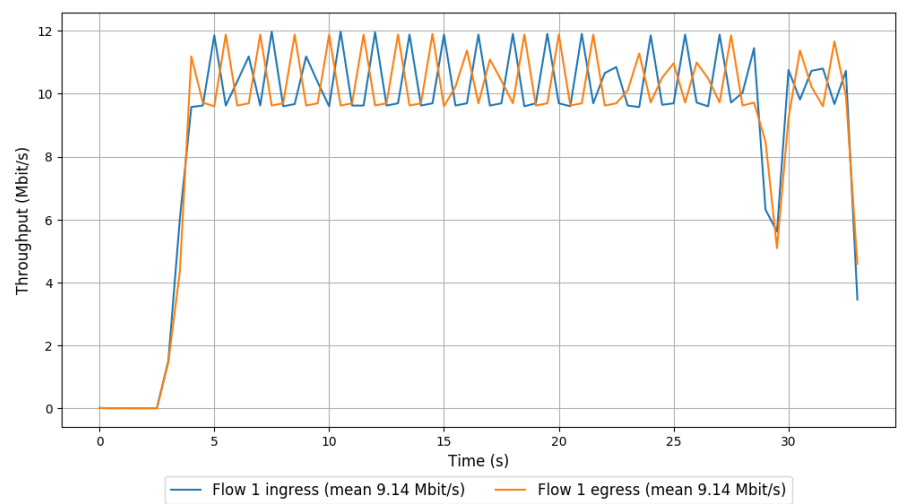
Run 4: Report of KohoCC — Data Link

```
Run 5: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 19:52:17 +0000
End at: Tue, 13 Jun 2017 19:52:47 +0000
Local clock offset: 3.876 ms
Remote clock offset: -1.891 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.22 Mbit/s
95th percentile per-packet one-way delay: 63.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.22 Mbit/s
95th percentile per-packet one-way delay: 63.301 ms
Loss rate: 0.00%
```
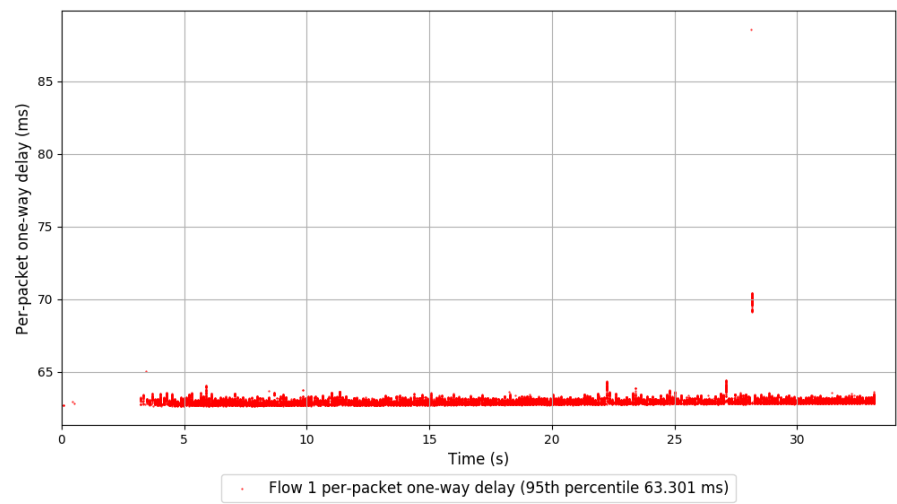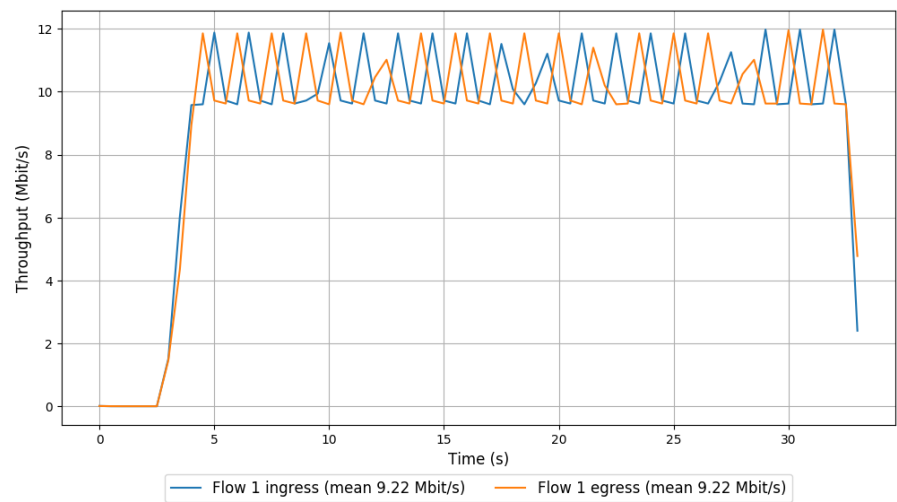
Run 5: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.22 Mbit/s)   Flow 1 egress (mean 9.22 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.301 ms)

```
Run 6: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 20:10:00 +0000
End at: Tue, 13 Jun 2017 20:10:30 +0000
Local clock offset: 4.225 ms
Remote clock offset: -4.398 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 69.812 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 69.812 ms
Loss rate: 0.01%
```
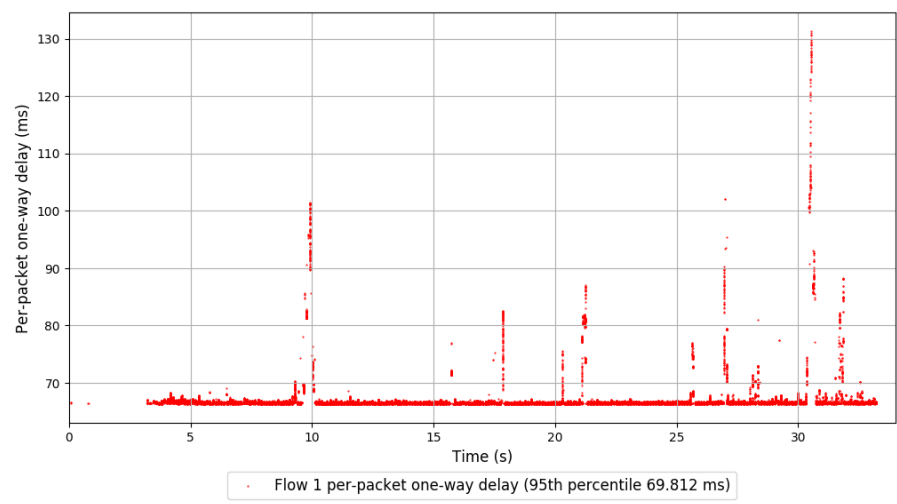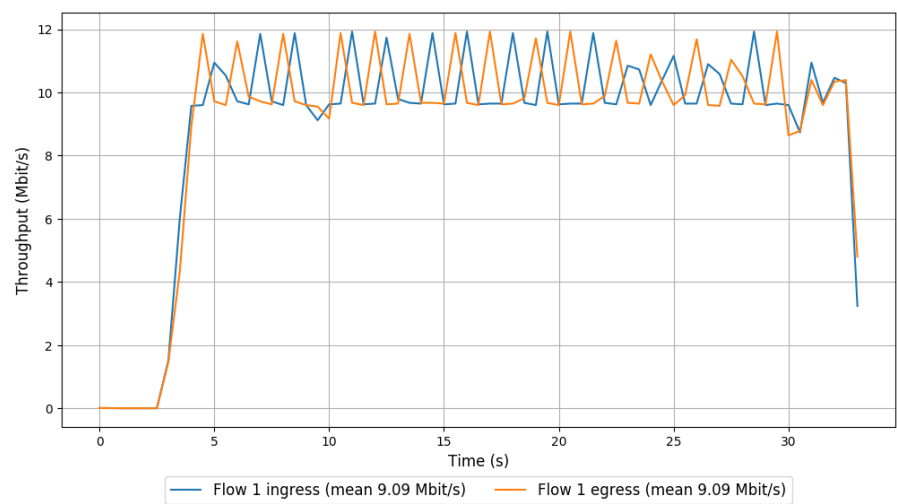
Run 6: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.09 Mbit/s) — Flow 1 egress (mean 9.09 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 69.812 ms)

```
Run 7: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 20:27:30 +0000
End at: Tue, 13 Jun 2017 20:28:00 +0000
Local clock offset: 4.174 ms
Remote clock offset: -5.851 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 66.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 66.848 ms
Loss rate: 0.00%
```
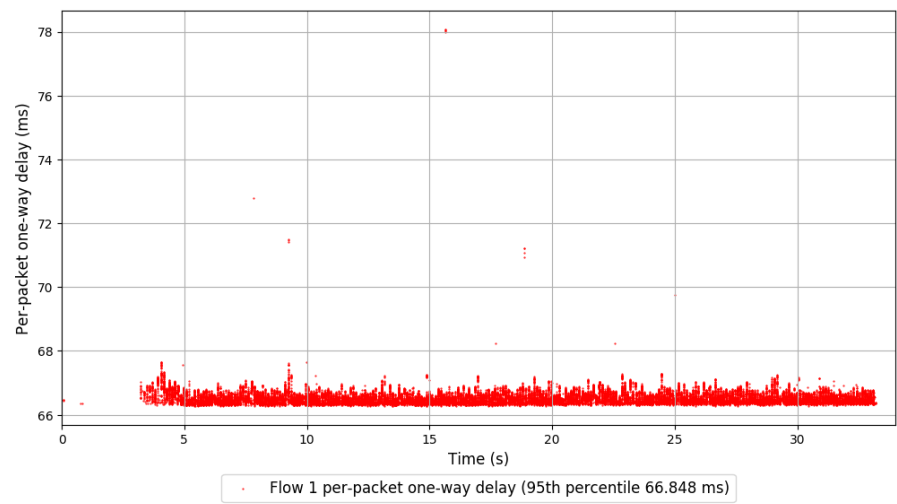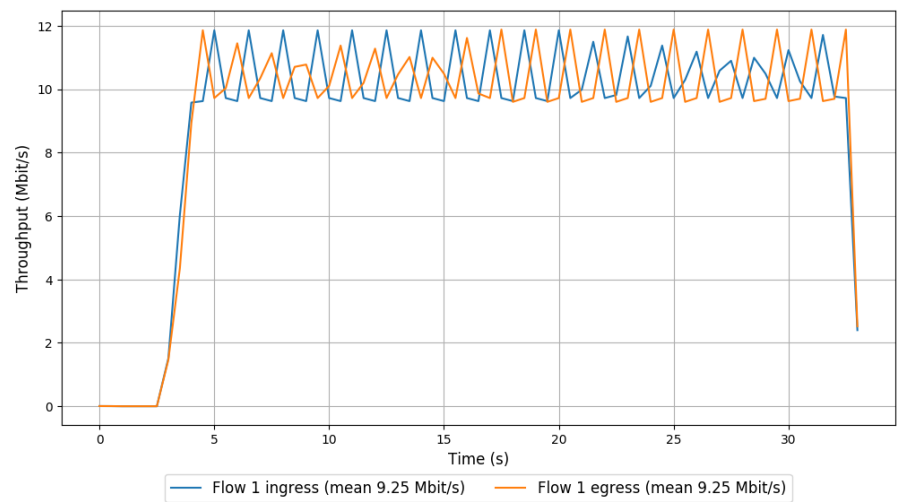
Run 7: Report of KohoCC — Data Link

```
Run 8: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 20:45:08 +0000
End at: Tue, 13 Jun 2017 20:45:38 +0000
Local clock offset: 4.03 ms
Remote clock offset: -8.512 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 74.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 74.628 ms
Loss rate: 0.00%
```
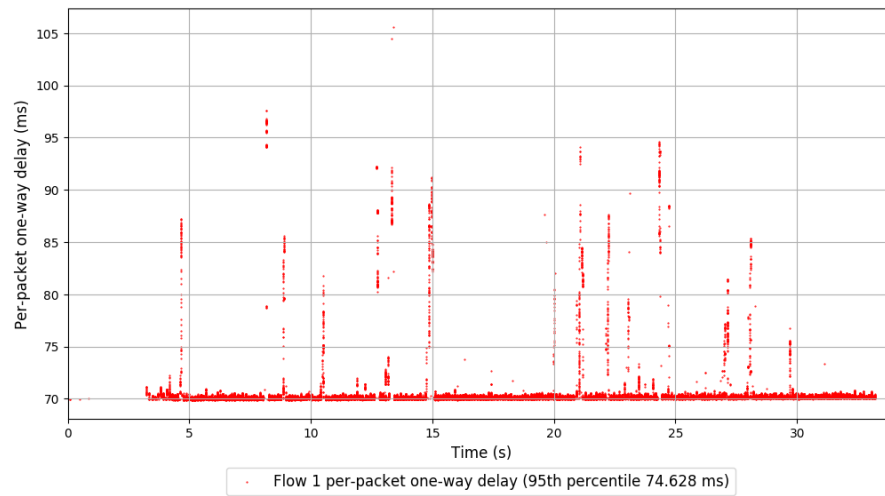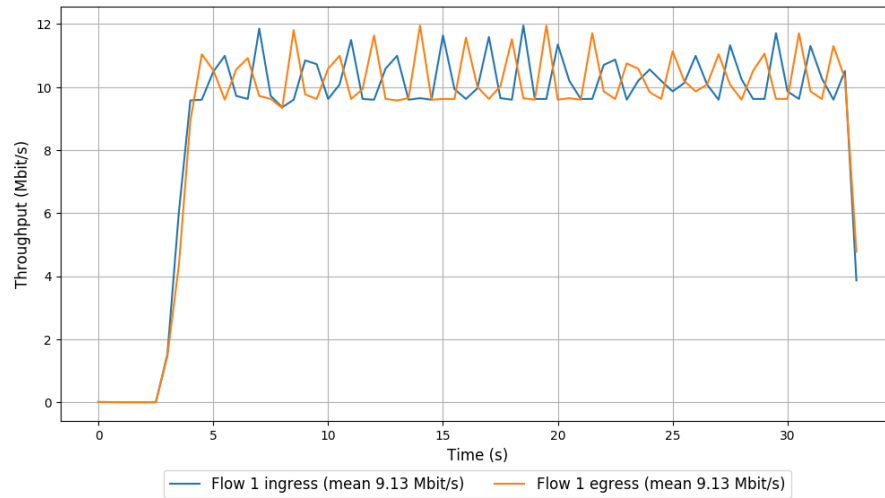
Run 8: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.13 Mbit/s)   Flow 1 egress (mean 9.13 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 74.628 ms)

```
Run 9: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 21:02:32 +0000
End at: Tue, 13 Jun 2017 21:03:02 +0000
Local clock offset: 3.662 ms
Remote clock offset: -8.742 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 69.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 69.901 ms
Loss rate: 0.00%
```
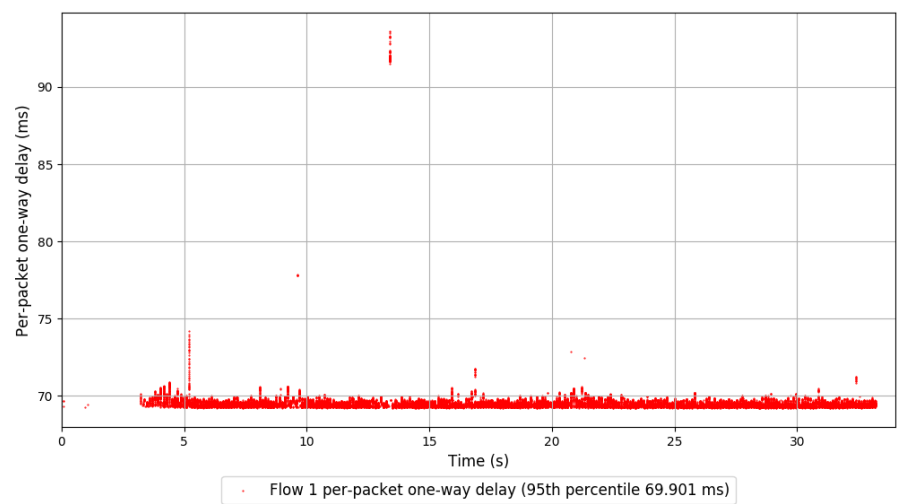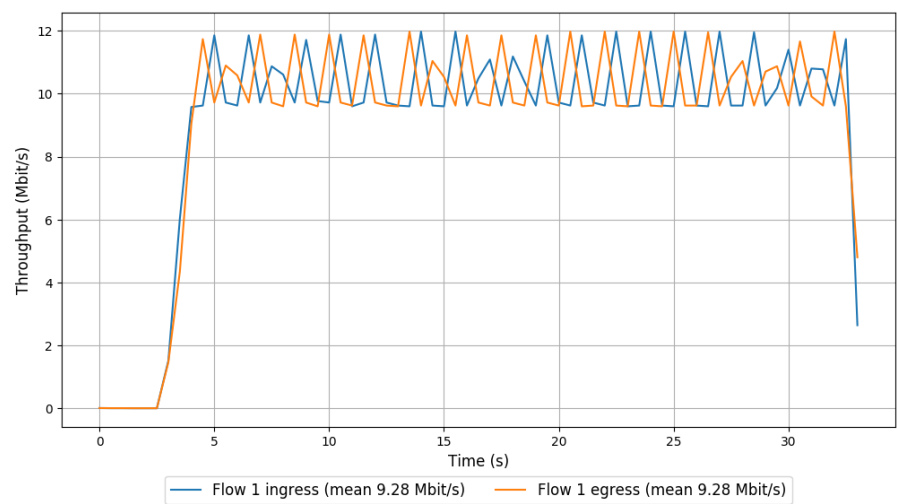
Run 9: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.28 Mbit/s)   Flow 1 egress (mean 9.28 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 69.901 ms)

```
Run 10: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 21:19:49 +0000
End at: Tue, 13 Jun 2017 21:20:19 +0000
Local clock offset: 3.474 ms
Remote clock offset: -7.105 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 68.784 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 68.784 ms
Loss rate: 0.00%
```
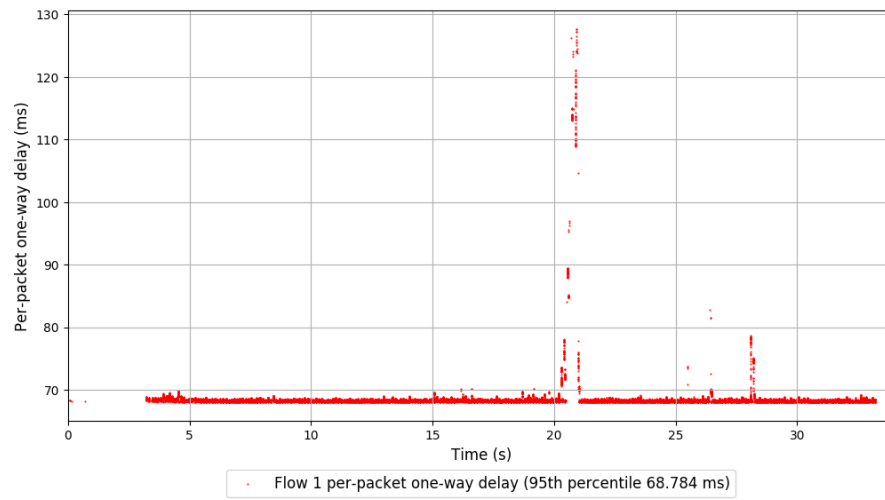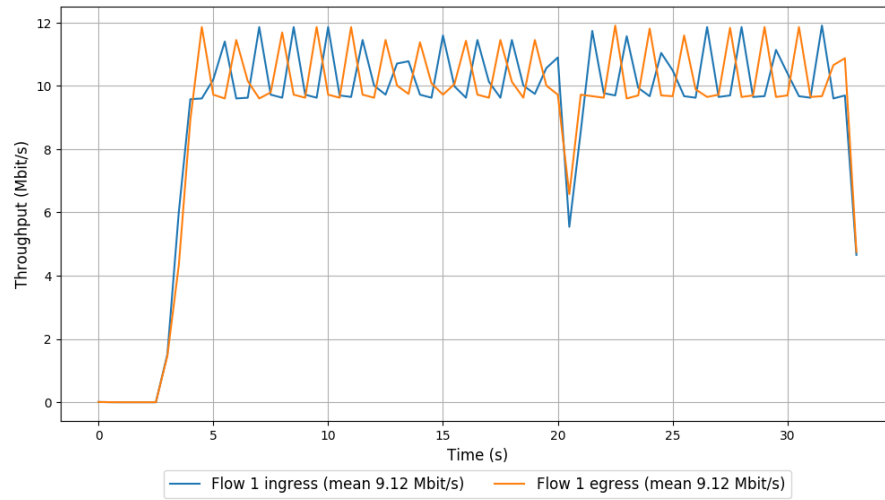
Run 10: Report of KohoCC — Data Link

Flow 1 ingress (mean 9.12 Mbit/s) — Flow 1 egress (mean 9.12 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 68.784 ms)

```
Run 1: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 18:38:28 +0000
End at: Tue, 13 Jun 2017 18:38:58 +0000
Local clock offset: 6.195 ms
Remote clock offset: 2.53 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 61.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 61.621 ms
Loss rate: 0.00%
```
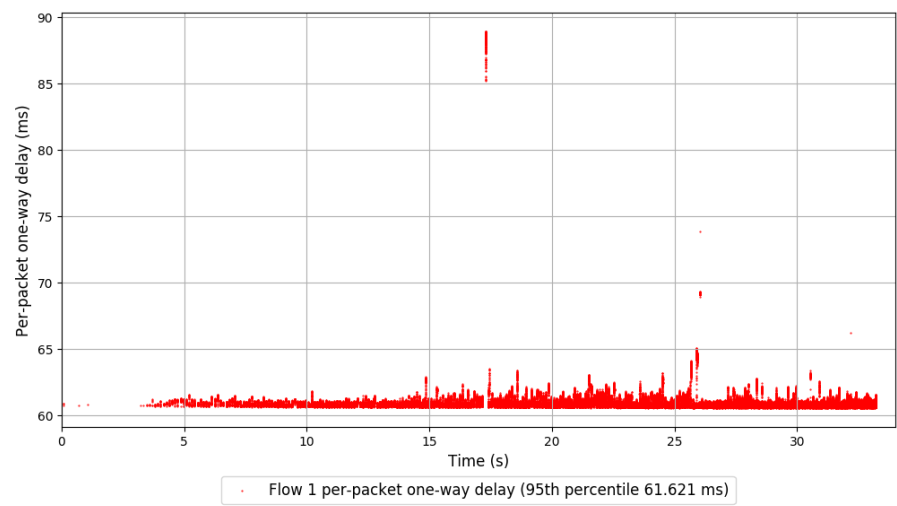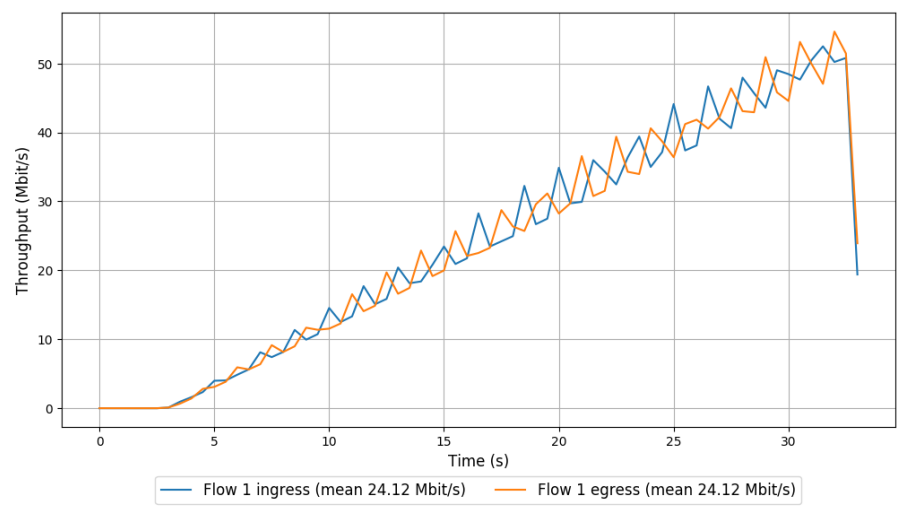
Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 18:56:04 +0000
End at: Tue, 13 Jun 2017 18:56:34 +0000
Local clock offset: 5.363 ms
Remote clock offset: 2.638 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.27 Mbit/s
95th percentile per-packet one-way delay: 60.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 19.27 Mbit/s
95th percentile per-packet one-way delay: 60.094 ms
Loss rate: 0.00%
```
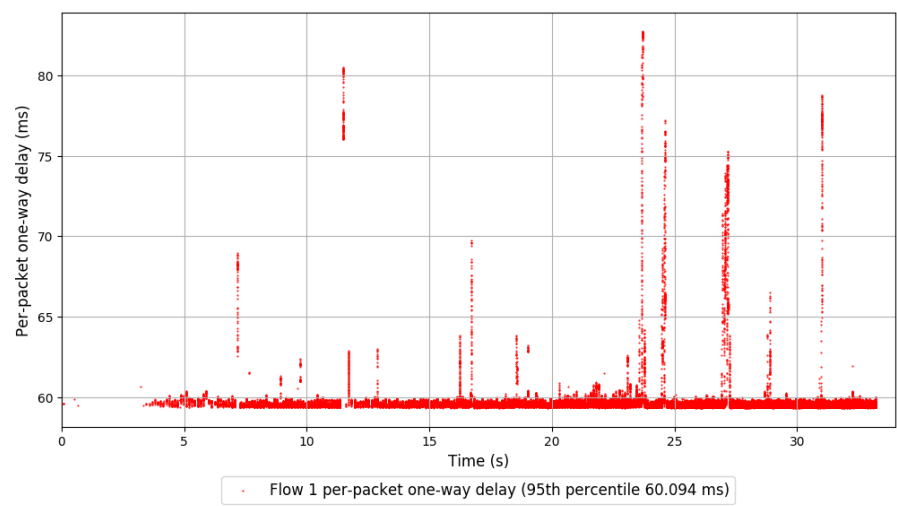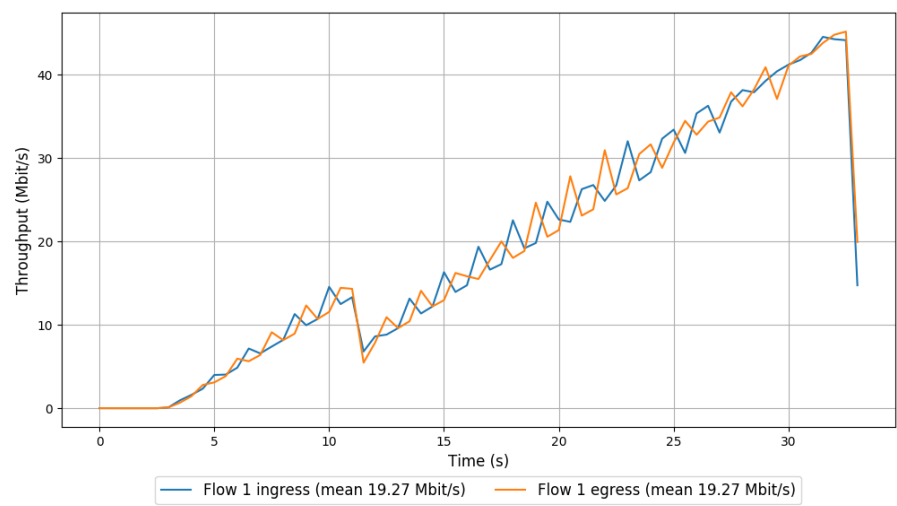
Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 19.27 Mbit/s) —— Flow 1 egress (mean 19.27 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 60.094 ms)

```
Run 3: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 19:13:39 +0000
End at: Tue, 13 Jun 2017 19:14:09 +0000
Local clock offset: 4.922 ms
Remote clock offset: 2.89 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 61.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.86 Mbit/s
95th percentile per-packet one-way delay: 61.025 ms
Loss rate: 0.00%
```
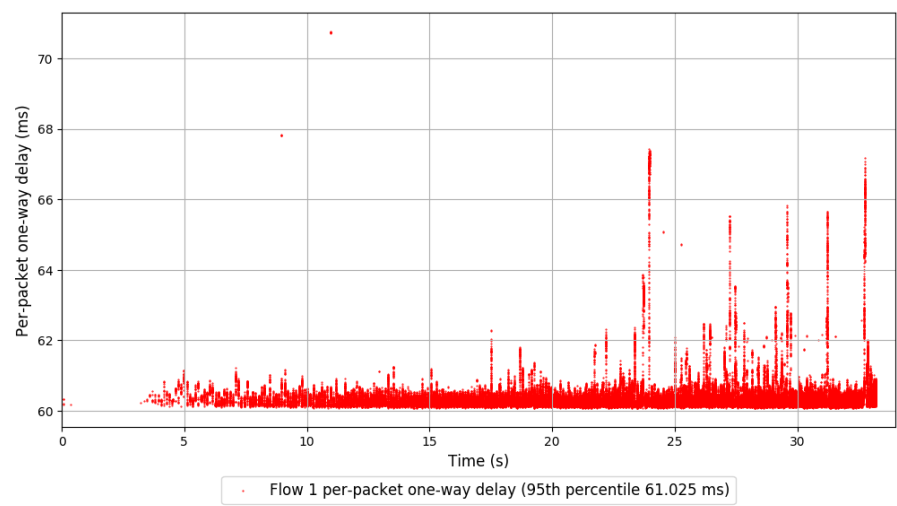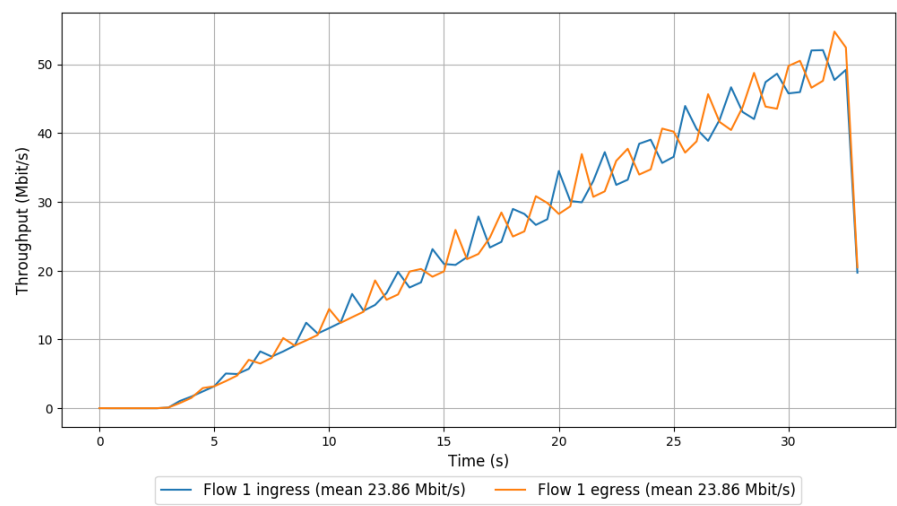
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 23.86 Mbit/s)   Flow 1 egress (mean 23.86 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 61.025 ms)

```
Run 4: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 19:31:13 +0000
End at: Tue, 13 Jun 2017 19:31:43 +0000
Local clock offset: 4.497 ms
Remote clock offset: 2.514 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 67.058 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 67.058 ms
Loss rate: 0.01%
```
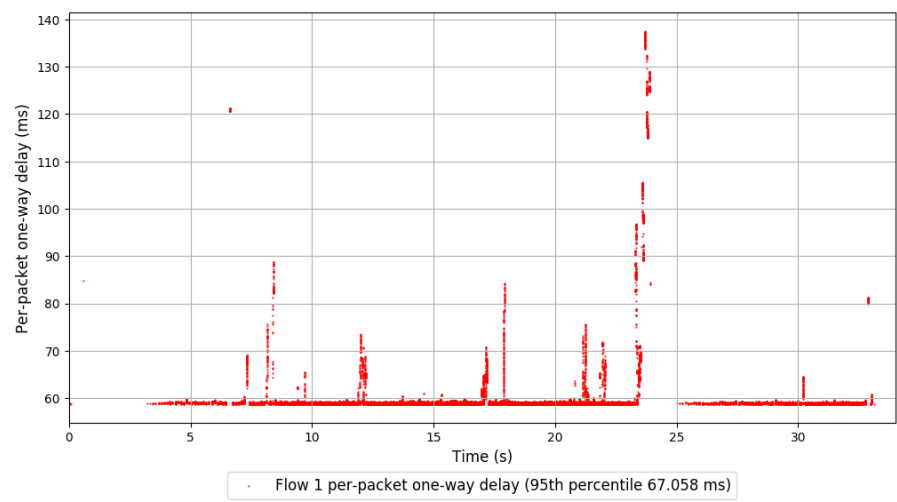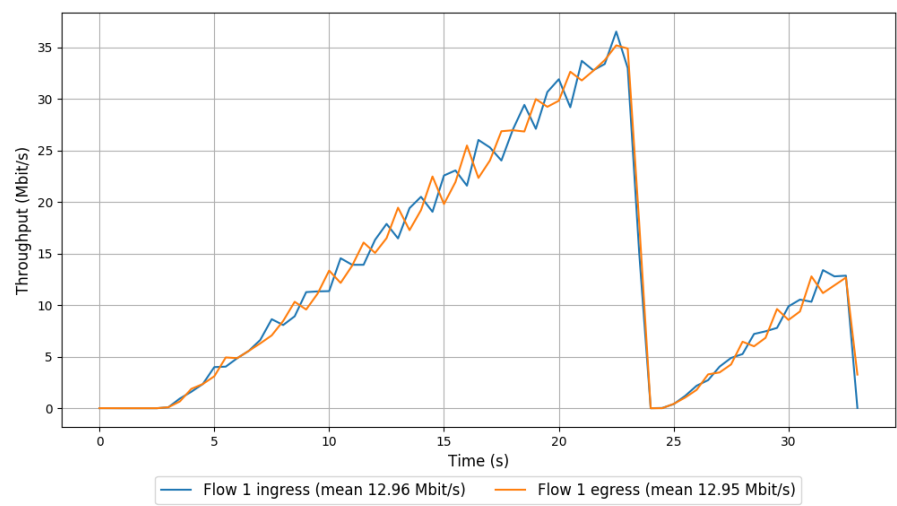
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 12.96 Mbit/s) — Flow 1 egress (mean 12.95 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 67.058 ms)

```
Run 5: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 19:48:48 +0000
End at: Tue, 13 Jun 2017 19:49:18 +0000
Local clock offset: 3.933 ms
Remote clock offset: -0.859 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 63.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 63.101 ms
Loss rate: 0.00%
```
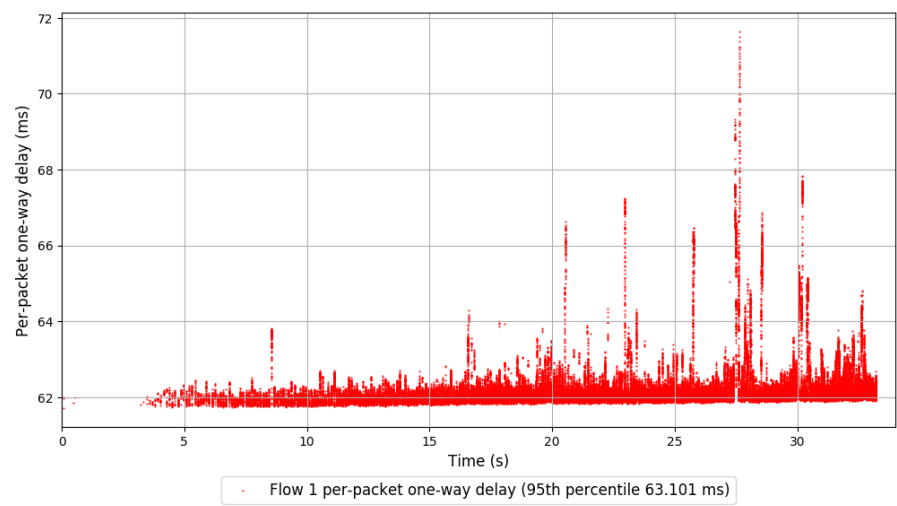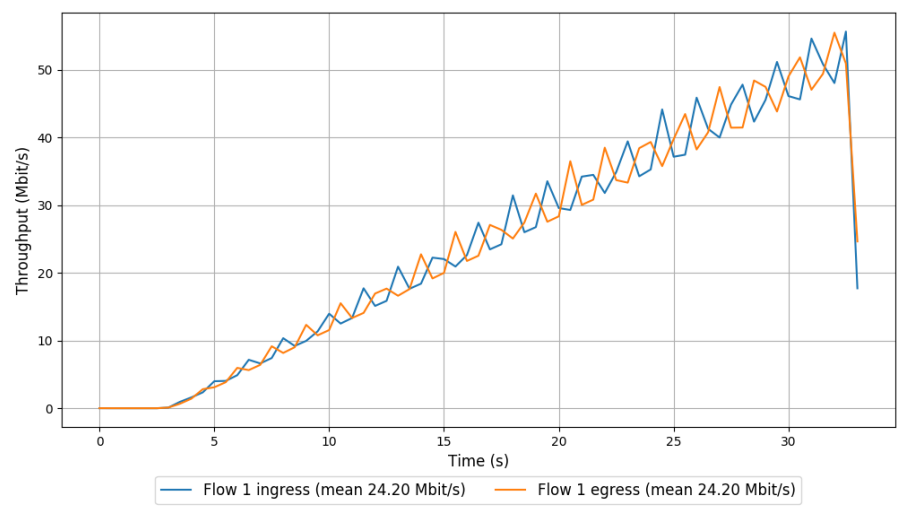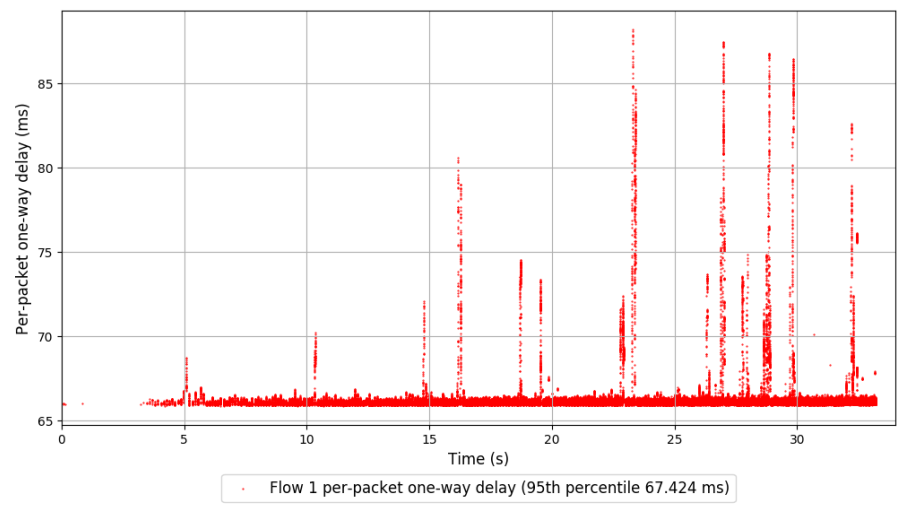
Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 24.20 Mbit/s) —— Flow 1 egress (mean 24.20 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 63.101 ms)

```
Run 6: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 20:06:31 +0000
End at: Tue, 13 Jun 2017 20:07:01 +0000
Local clock offset: 4.072 ms
Remote clock offset: -3.928 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 67.424 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 67.424 ms
Loss rate: 0.00%
```
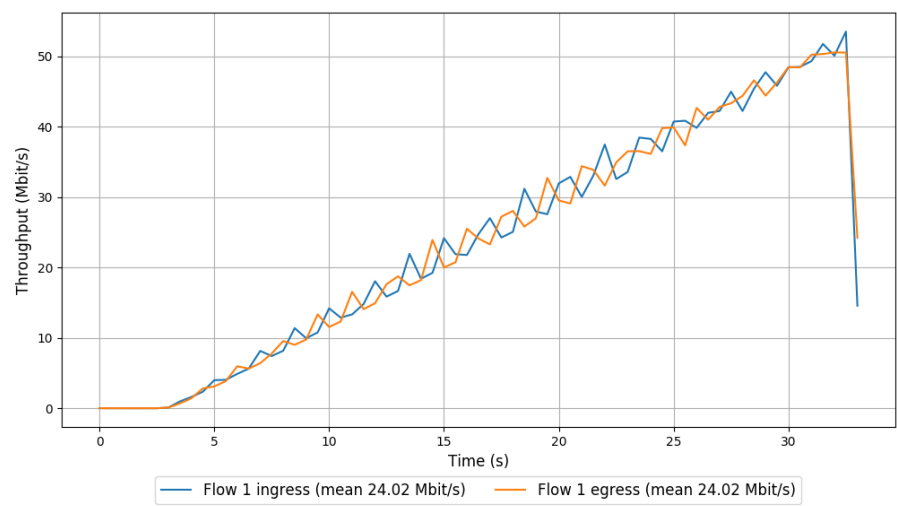
Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 20:24:01 +0000
End at: Tue, 13 Jun 2017 20:24:31 +0000
Local clock offset: 4.18 ms
Remote clock offset: -4.762 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 68.323 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 23.81 Mbit/s
95th percentile per-packet one-way delay: 68.323 ms
Loss rate: 0.03%
```
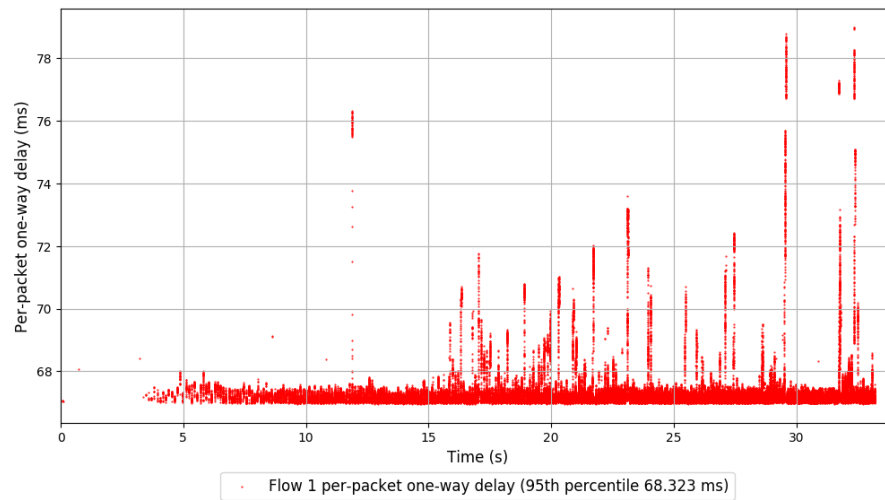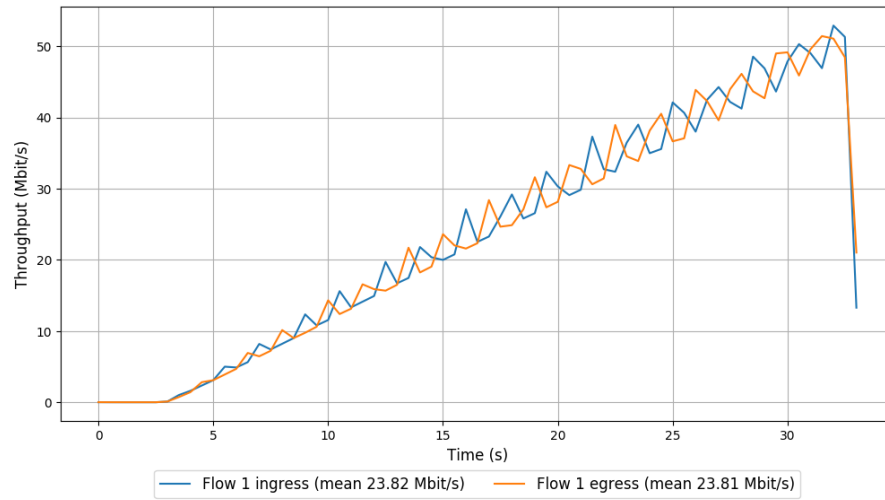
Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 20:41:39 +0000
End at: Tue, 13 Jun 2017 20:42:09 +0000
Local clock offset: 4.103 ms
Remote clock offset: -7.194 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 70.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.05 Mbit/s
95th percentile per-packet one-way delay: 70.253 ms
Loss rate: 0.00%
```
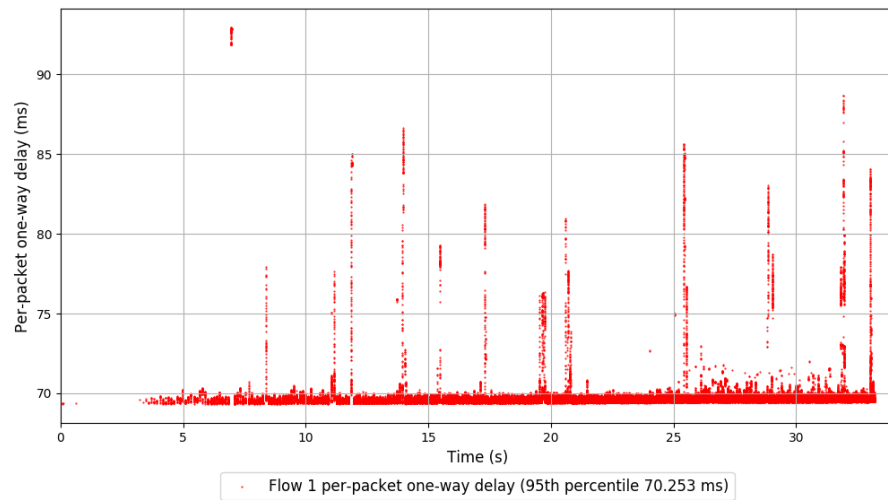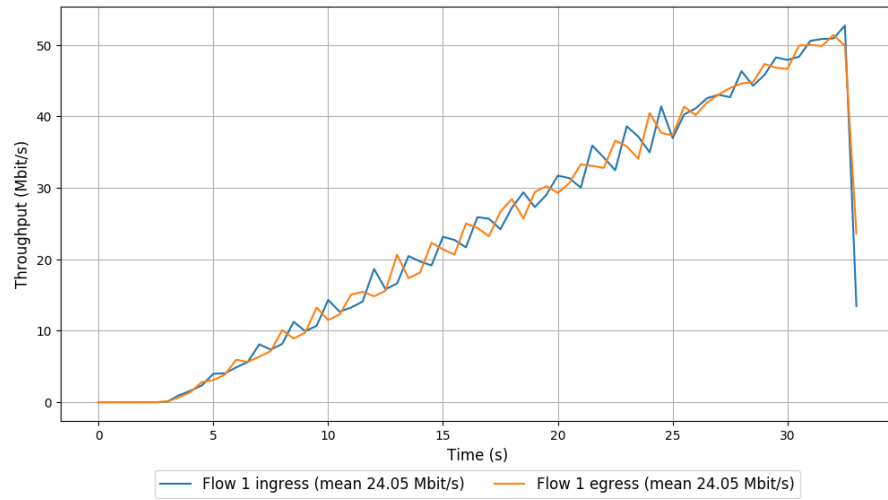
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 24.05 Mbit/s) — Flow 1 egress (mean 24.05 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 70.253 ms)

```
Run 9: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 20:59:04 +0000
End at: Tue, 13 Jun 2017 20:59:34 +0000
Local clock offset: 3.734 ms
Remote clock offset: -9.088 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 71.734 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 71.734 ms
Loss rate: 0.01%
```
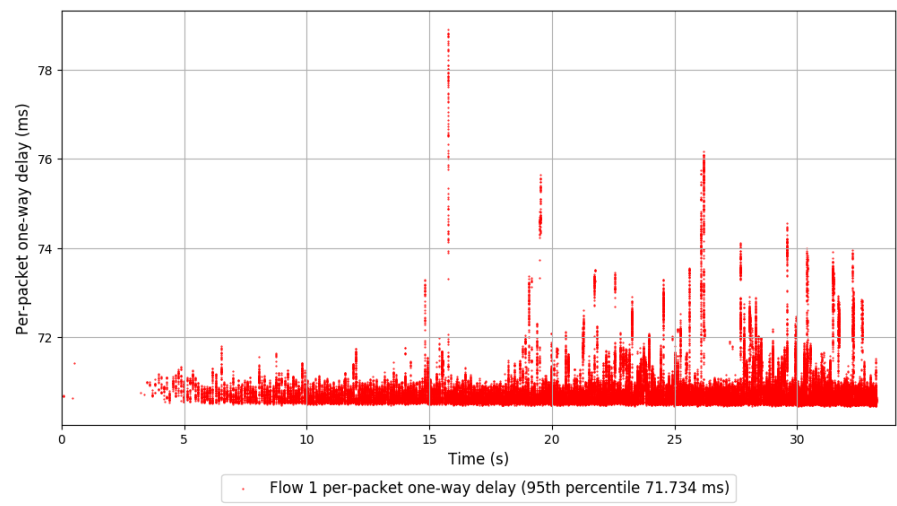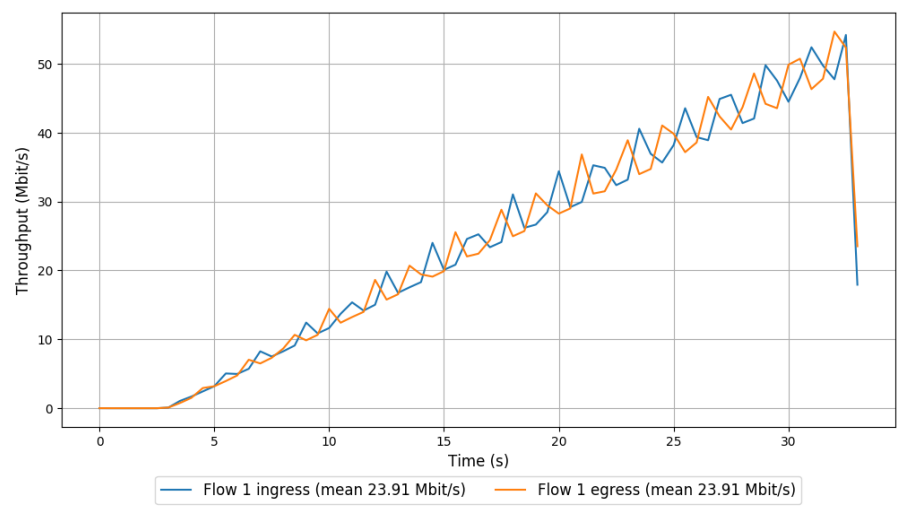
Run 9: Report of LEDBAT — Data Link

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 71.734 ms)

```
Run 10: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 21:16:21 +0000
End at: Tue, 13 Jun 2017 21:16:51 +0000
Local clock offset: 3.442 ms
Remote clock offset: -7.947 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 71.481 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 71.481 ms
Loss rate: 0.11%
```
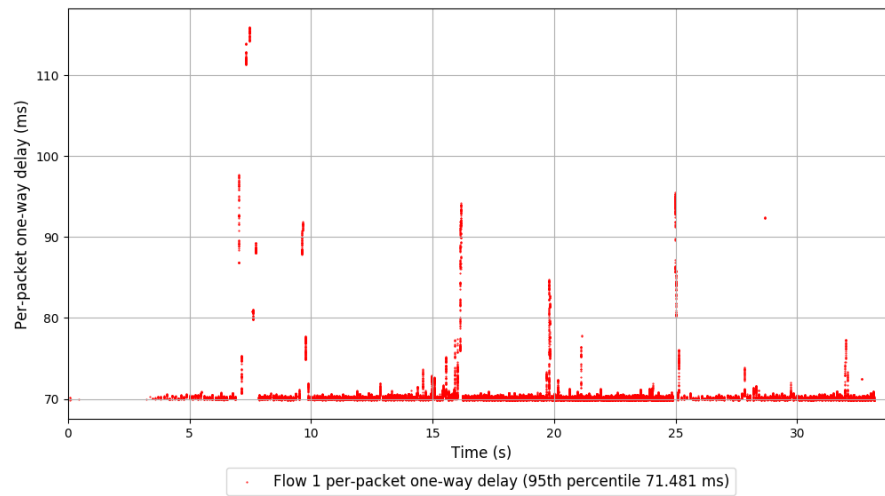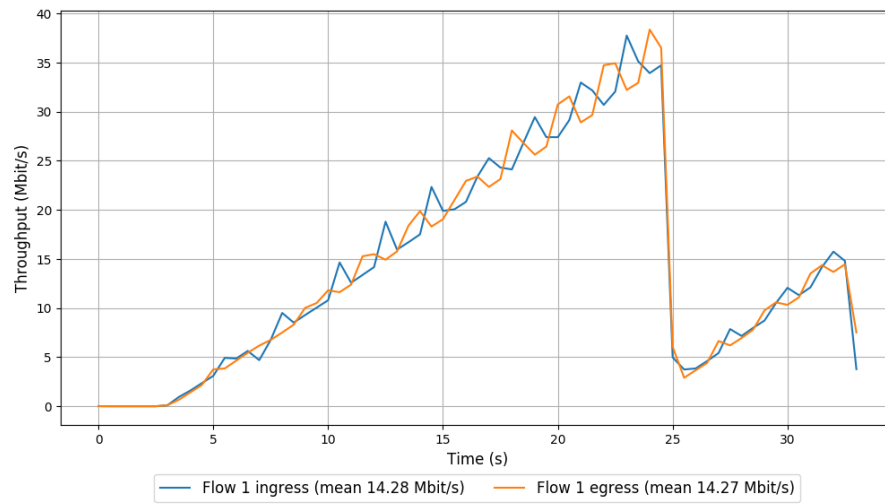
Run 10: Report of LEDBAT — Data Link

123

```
Run 1: Statistics of PCC

Start at: Tue, 13 Jun 2017 18:37:18 +0000
End at: Tue, 13 Jun 2017 18:37:48 +0000
Local clock offset: 6.458 ms
Remote clock offset: 2.436 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.24 Mbit/s
95th percentile per-packet one-way delay: 267.516 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.24 Mbit/s
95th percentile per-packet one-way delay: 267.516 ms
Loss rate: 0.01%
```
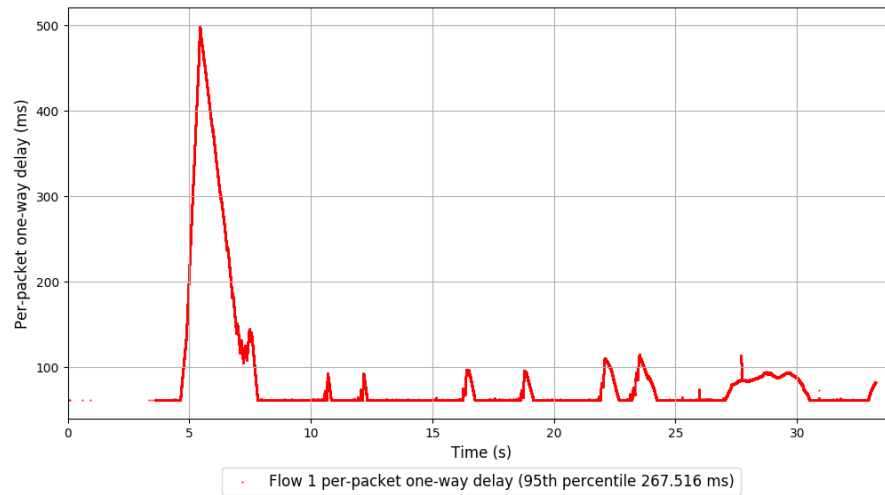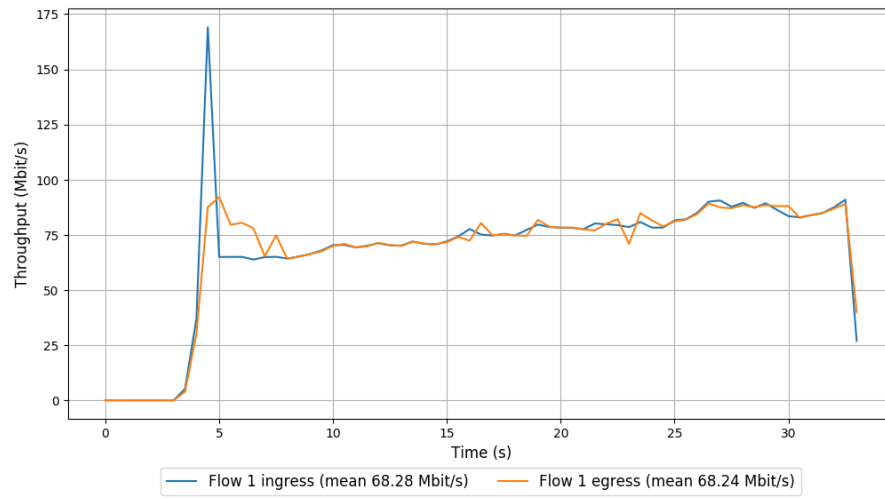
Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: Tue, 13 Jun 2017 18:54:54 +0000
End at: Tue, 13 Jun 2017 18:55:24 +0000
Local clock offset: 5.264 ms
Remote clock offset: 2.712 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 302.943 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 302.943 ms
Loss rate: 0.01%
```
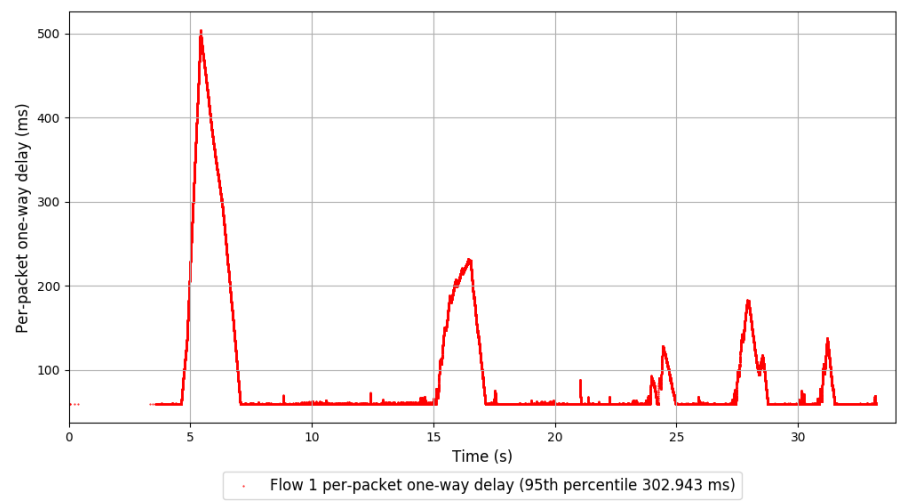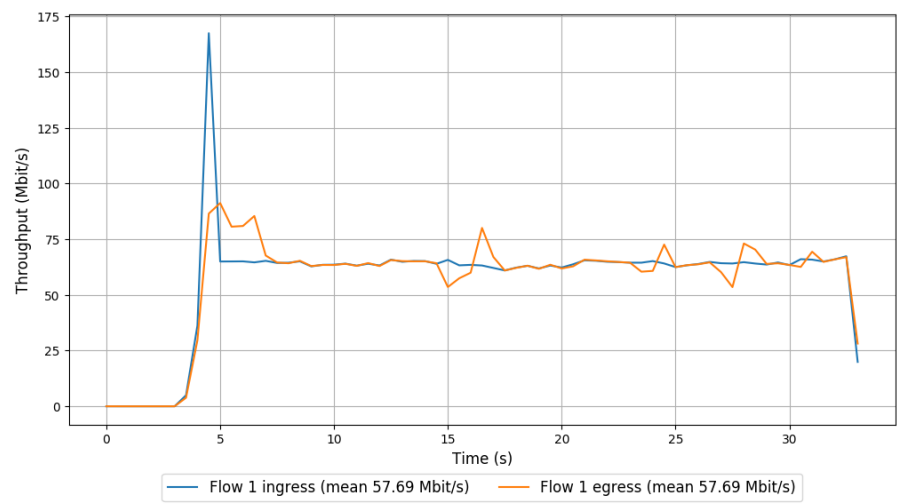
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 57.69 Mbit/s)   Flow 1 egress (mean 57.69 Mbit/s)

·   Flow 1 per-packet one-way delay (95th percentile 302.943 ms)

```
Run 3: Statistics of PCC

Start at: Tue, 13 Jun 2017 19:12:28 +0000
End at: Tue, 13 Jun 2017 19:12:58 +0000
Local clock offset: 5.038 ms
Remote clock offset: 2.719 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.79 Mbit/s
95th percentile per-packet one-way delay: 250.801 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.79 Mbit/s
95th percentile per-packet one-way delay: 250.801 ms
Loss rate: 0.00%
```
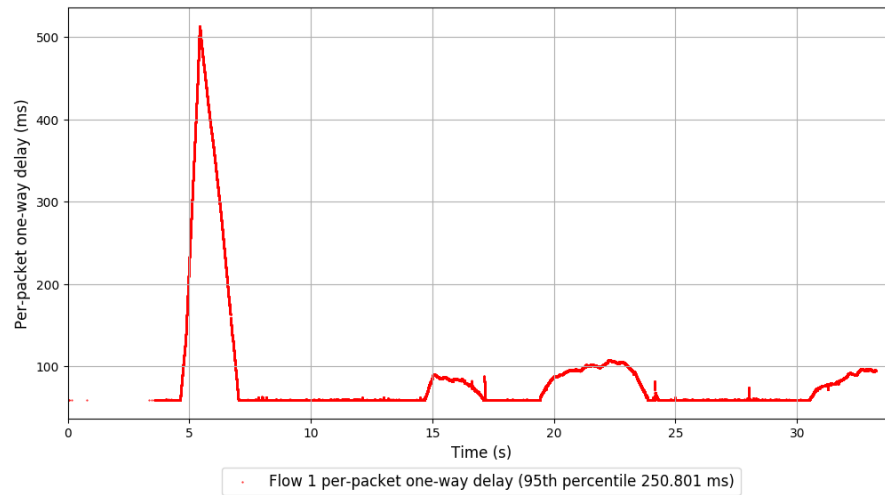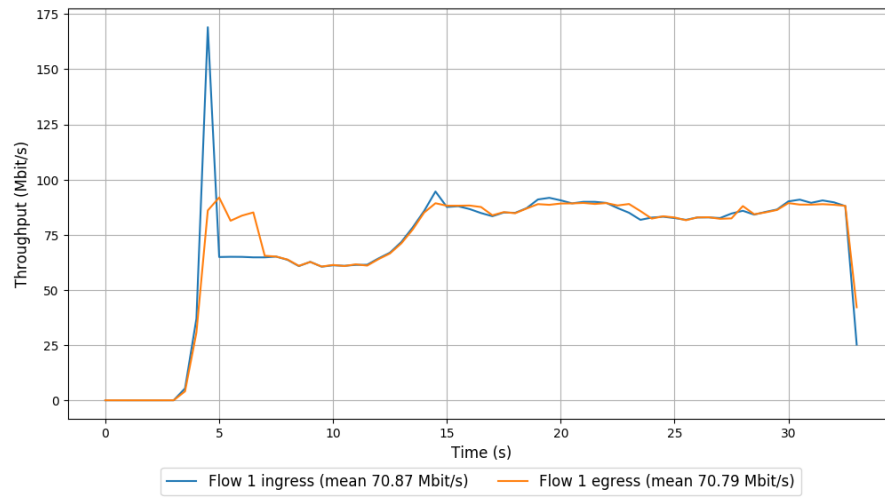
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 70.87 Mbit/s)   Flow 1 egress (mean 70.79 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 250.801 ms)

```
Run 4: Statistics of PCC

Start at: Tue, 13 Jun 2017 19:30:01 +0000
End at: Tue, 13 Jun 2017 19:30:31 +0000
Local clock offset: 4.524 ms
Remote clock offset: 2.506 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 285.515 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 285.515 ms
Loss rate: 0.02%
```
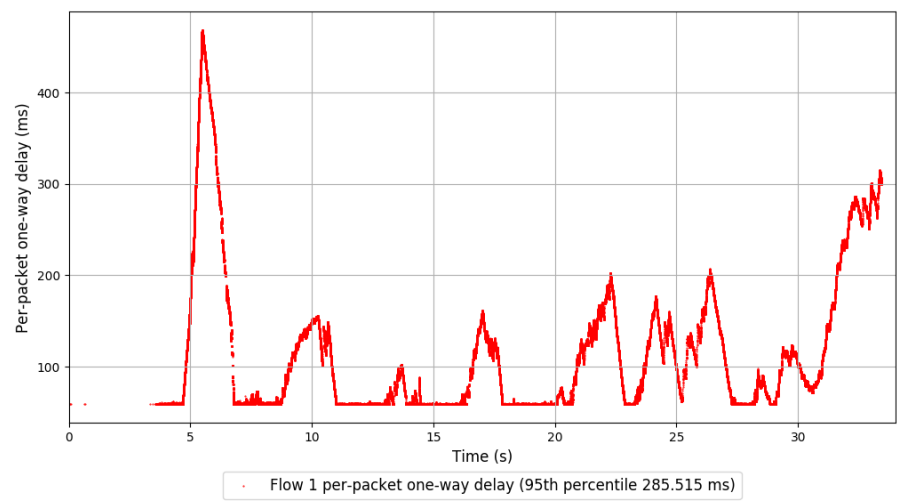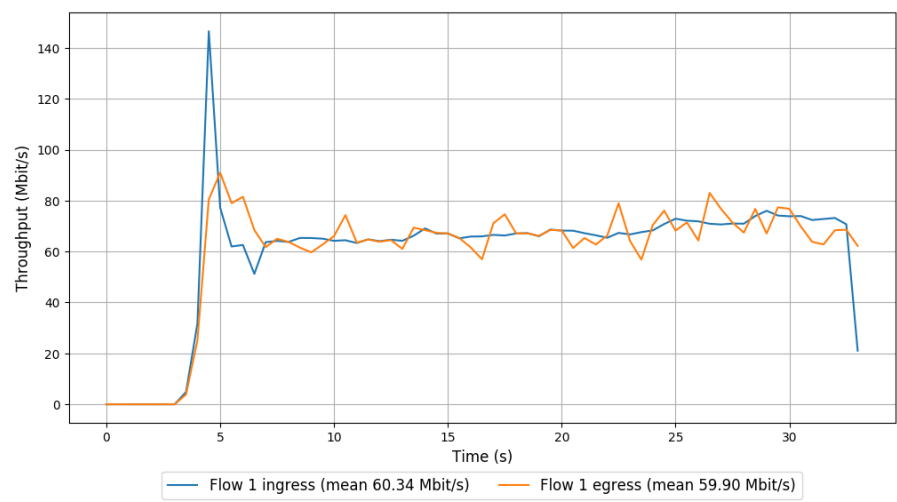
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 60.34 Mbit/s) — Flow 1 egress (mean 59.90 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 285.515 ms)

131

```
Run 5: Statistics of PCC

Start at: Tue, 13 Jun 2017 19:47:38 +0000
End at: Tue, 13 Jun 2017 19:48:08 +0000
Local clock offset: 3.932 ms
Remote clock offset: -0.06 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.91 Mbit/s
95th percentile per-packet one-way delay: 266.872 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.91 Mbit/s
95th percentile per-packet one-way delay: 266.872 ms
Loss rate: 0.01%
```
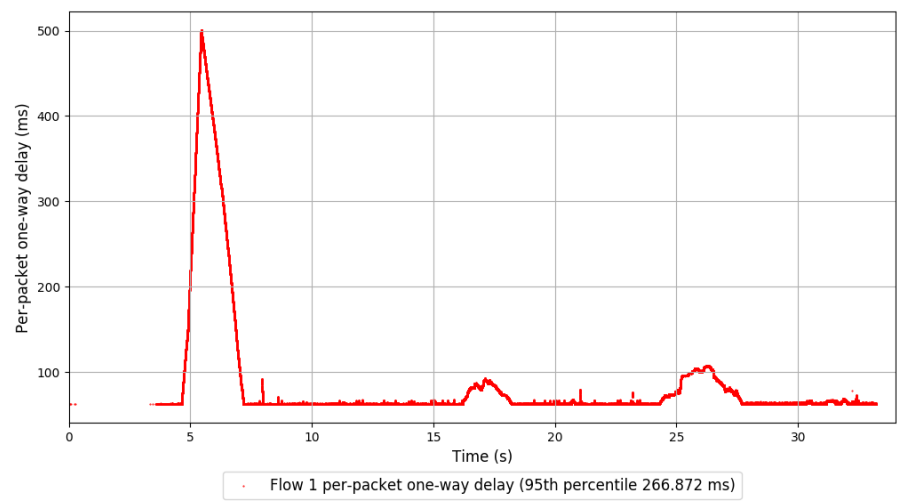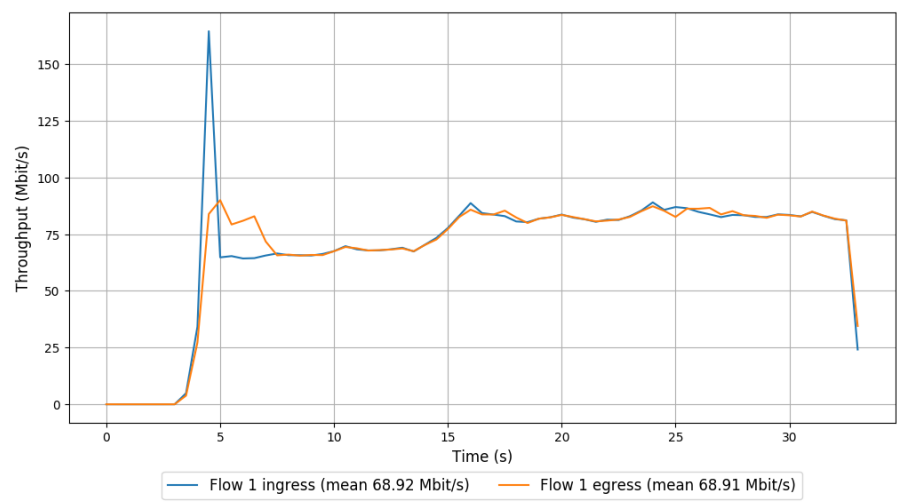
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 68.92 Mbit/s) — Flow 1 egress (mean 68.91 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 266.872 ms)

```
Run 6: Statistics of PCC

Start at: Tue, 13 Jun 2017 20:05:23 +0000
End at: Tue, 13 Jun 2017 20:05:53 +0000
Local clock offset: 4.115 ms
Remote clock offset: -3.959 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:47:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 162.931 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 162.931 ms
Loss rate: 0.02%
```
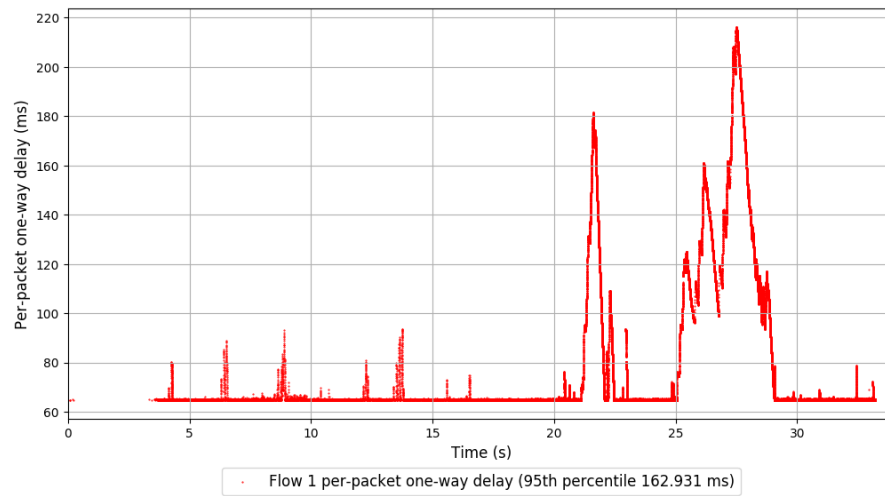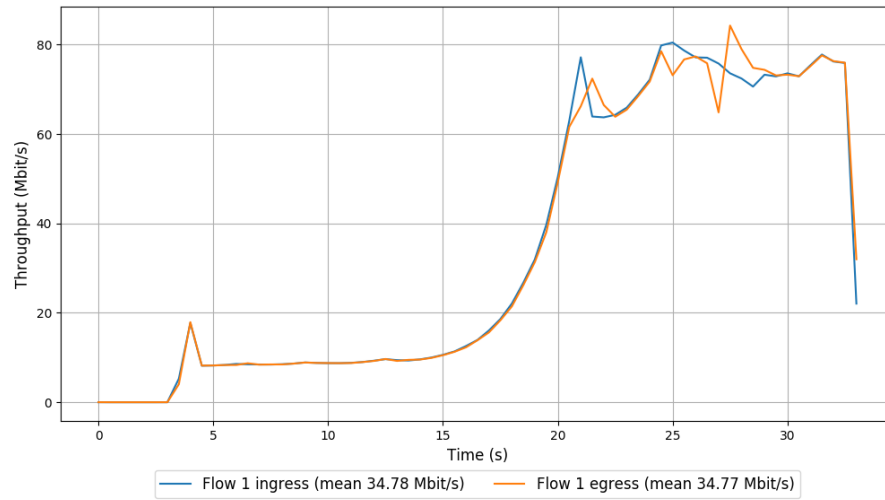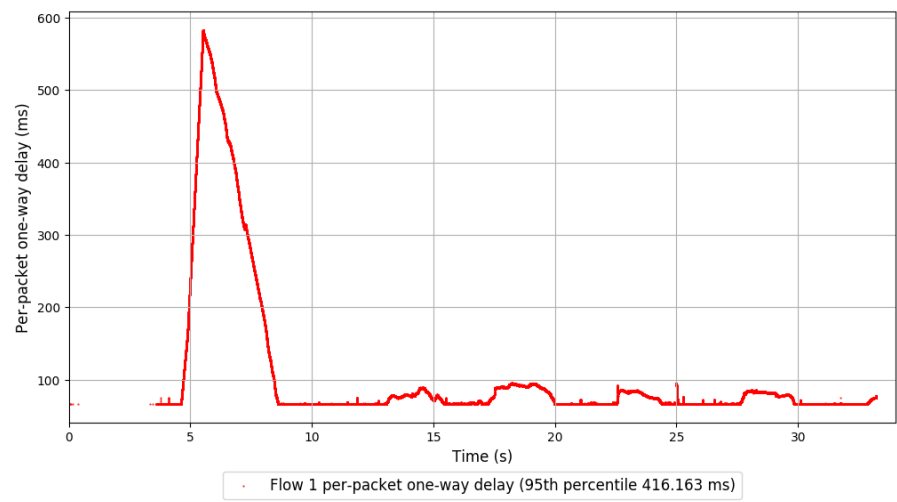
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 34.78 Mbit/s)   Flow 1 egress (mean 34.77 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 162.931 ms)

```
Run 7: Statistics of PCC

Start at: Tue, 13 Jun 2017 20:22:51 +0000
End at: Tue, 13 Jun 2017 20:23:21 +0000
Local clock offset: 4.183 ms
Remote clock offset: -4.644 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.57 Mbit/s
95th percentile per-packet one-way delay: 416.163 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 65.57 Mbit/s
95th percentile per-packet one-way delay: 416.163 ms
Loss rate: 0.01%
```
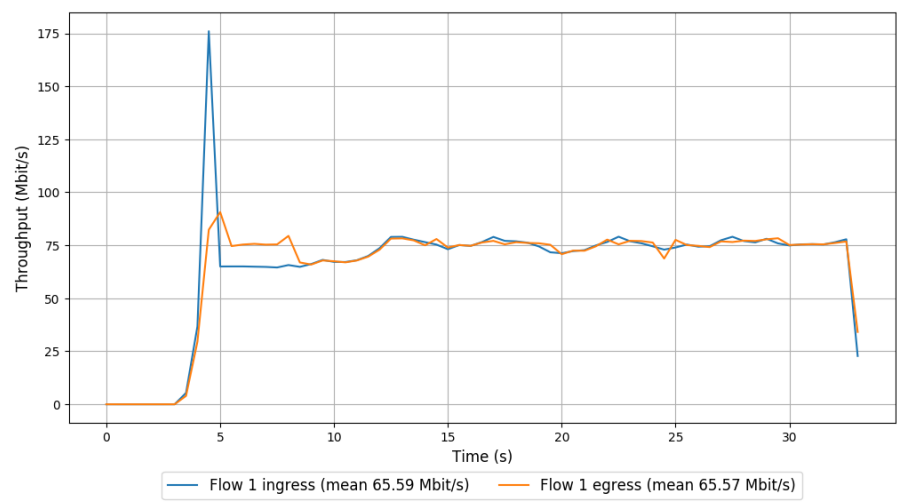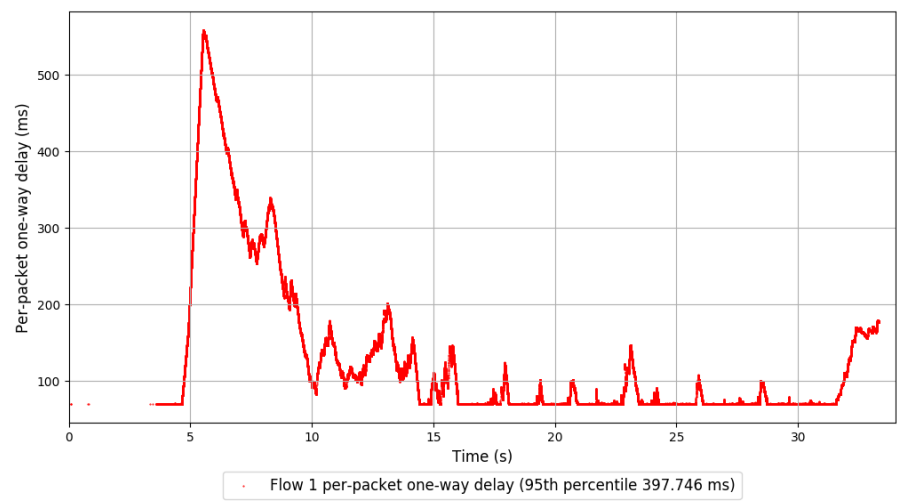
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 65.59 Mbit/s) Flow 1 egress (mean 65.57 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 416.163 ms)

137

```
Run 8: Statistics of PCC

Start at: Tue, 13 Jun 2017 20:40:23 +0000
End at: Tue, 13 Jun 2017 20:40:53 +0000
Local clock offset: 4.058 ms
Remote clock offset: -6.916 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 397.746 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 397.746 ms
Loss rate: 0.04%
```
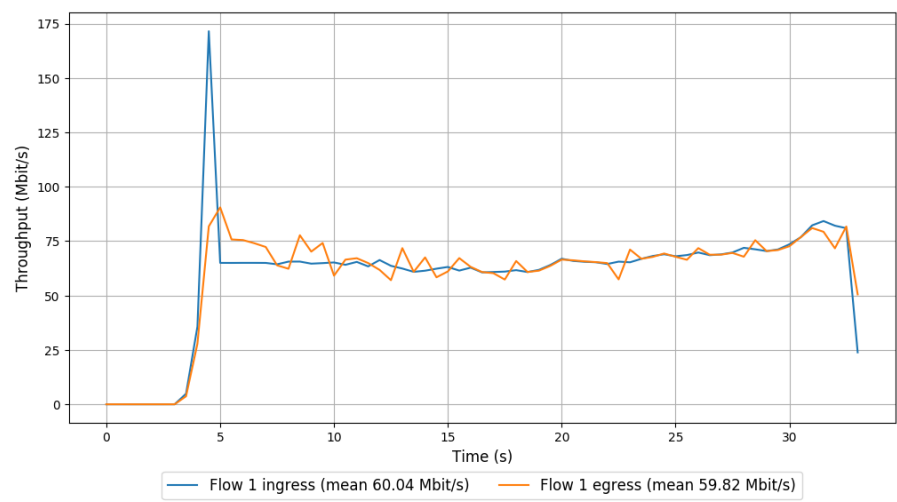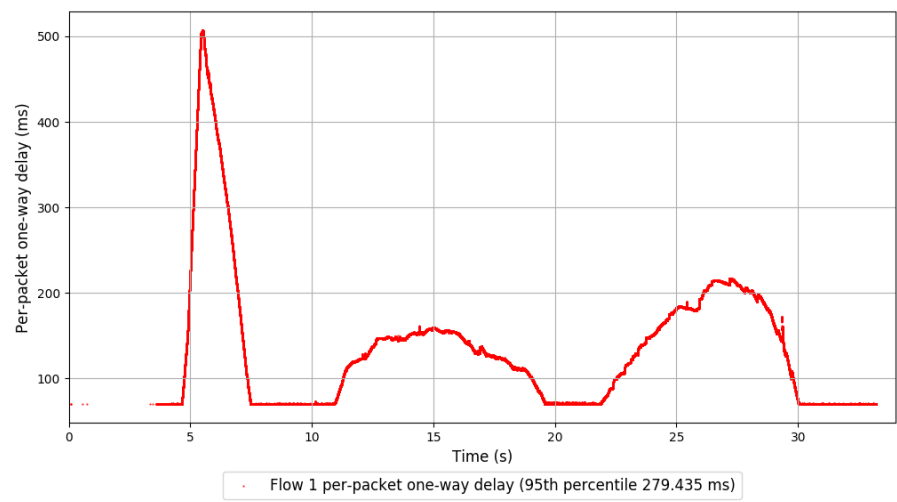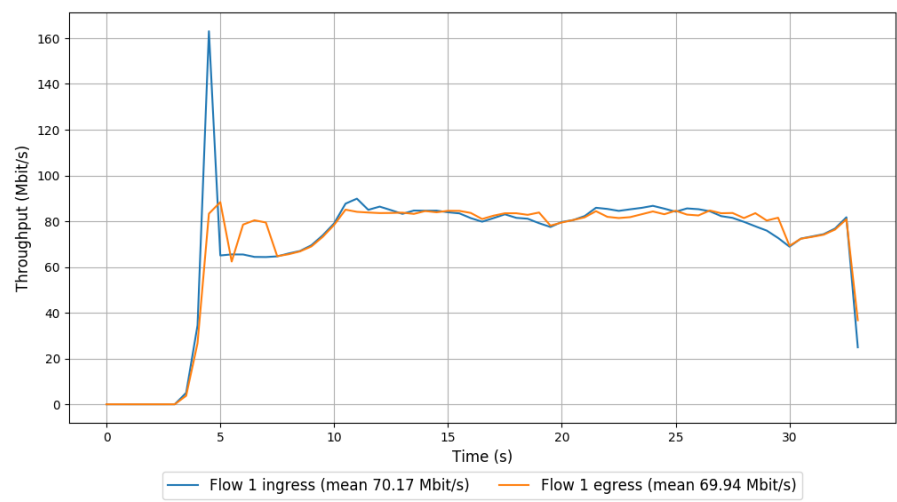
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 60.04 Mbit/s) — Flow 1 egress (mean 59.82 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 397.746 ms)

```
Run 9: Statistics of PCC

Start at: Tue, 13 Jun 2017 20:57:46 +0000
End at: Tue, 13 Jun 2017 20:58:16 +0000
Local clock offset: 3.755 ms
Remote clock offset: -9.061 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.94 Mbit/s
95th percentile per-packet one-way delay: 279.435 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 69.94 Mbit/s
95th percentile per-packet one-way delay: 279.435 ms
Loss rate: 0.36%
```
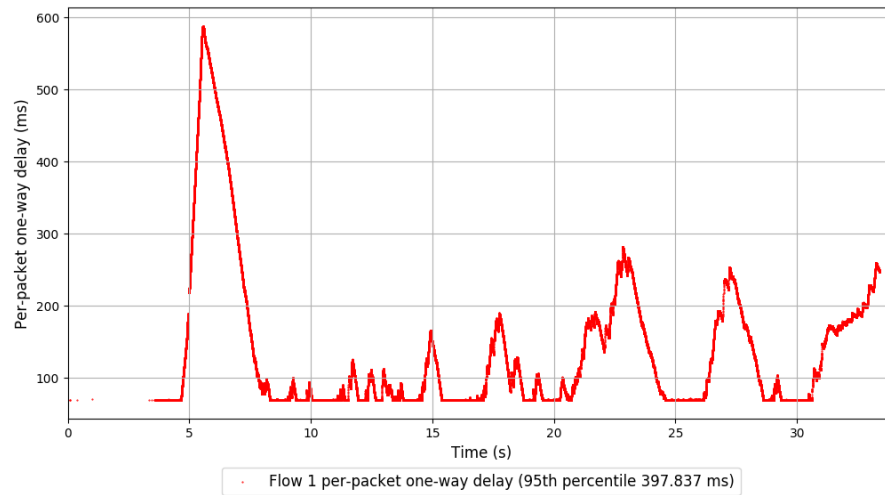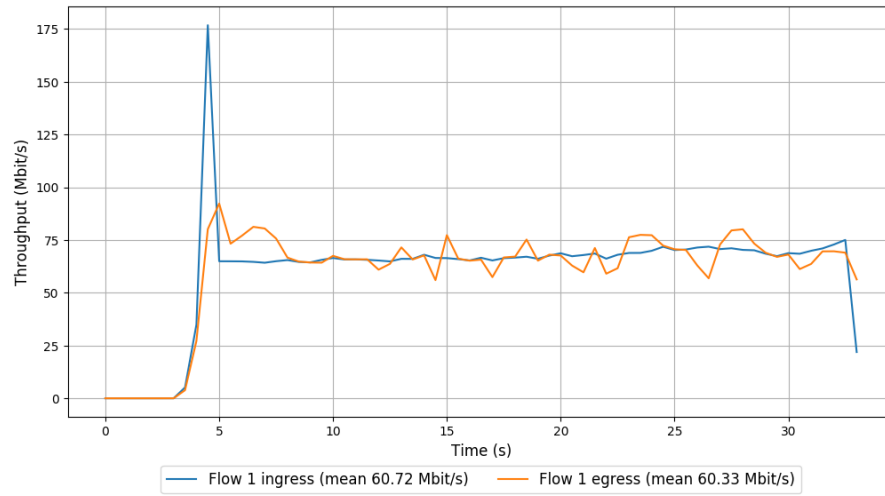
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 70.17 Mbit/s) —— Flow 1 egress (mean 69.94 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 279.435 ms)

```
Run 10: Statistics of PCC

Start at: Tue, 13 Jun 2017 21:15:11 +0000
End at: Tue, 13 Jun 2017 21:15:41 +0000
Local clock offset: 3.548 ms
Remote clock offset: -8.048 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.33 Mbit/s
95th percentile per-packet one-way delay: 397.837 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 60.33 Mbit/s
95th percentile per-packet one-way delay: 397.837 ms
Loss rate: 0.10%
```
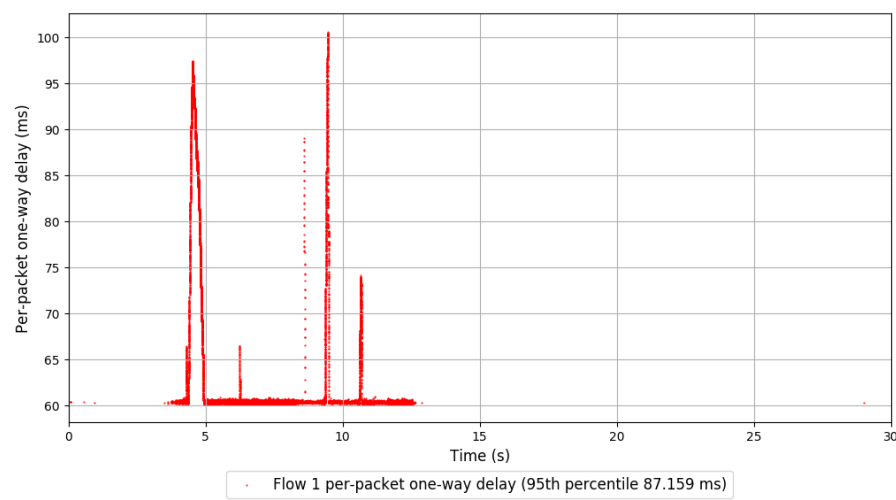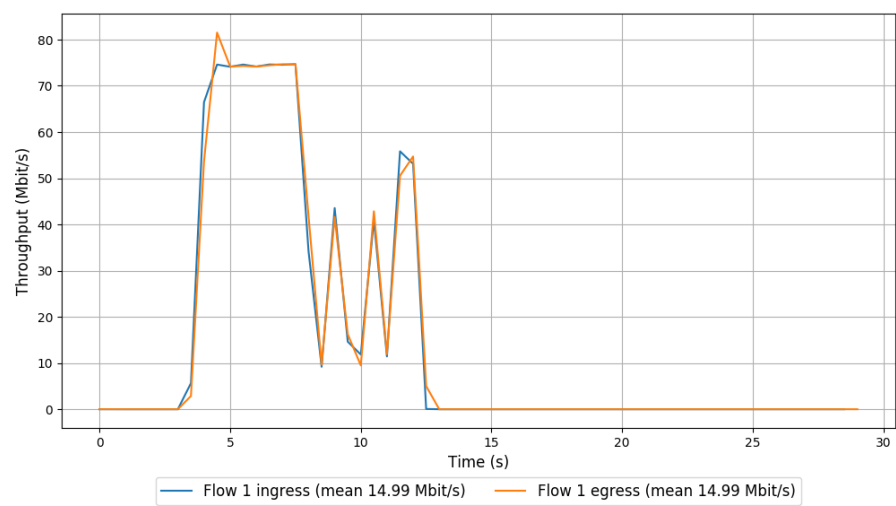
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 60.72 Mbit/s)   Flow 1 egress (mean 60.33 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 397.837 ms)

143

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

Start at: Tue, 13 Jun 2017 18:39:37 +0000
End at: Tue, 13 Jun 2017 18:40:07 +0000
Local clock offset: 6.057 ms
Remote clock offset: 2.308 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.99 Mbit/s
95th percentile per-packet one-way delay: 87.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.99 Mbit/s
95th percentile per-packet one-way delay: 87.159 ms
Loss rate: 0.00%
```
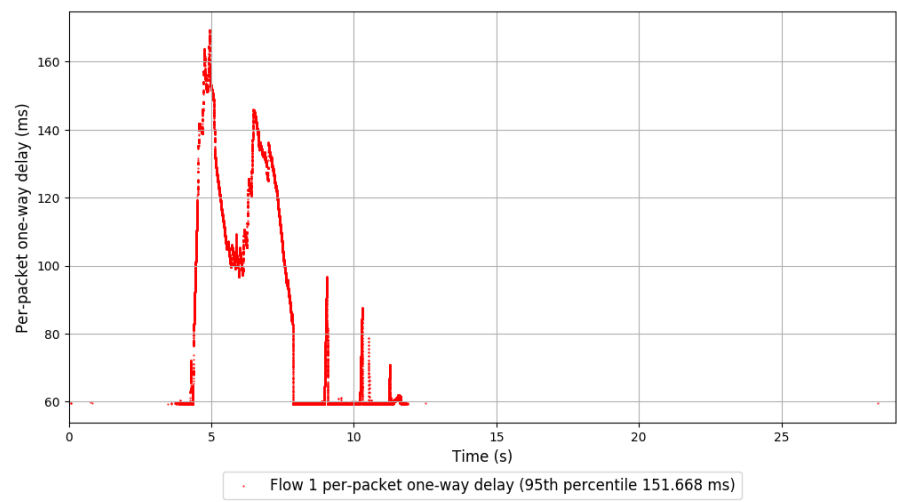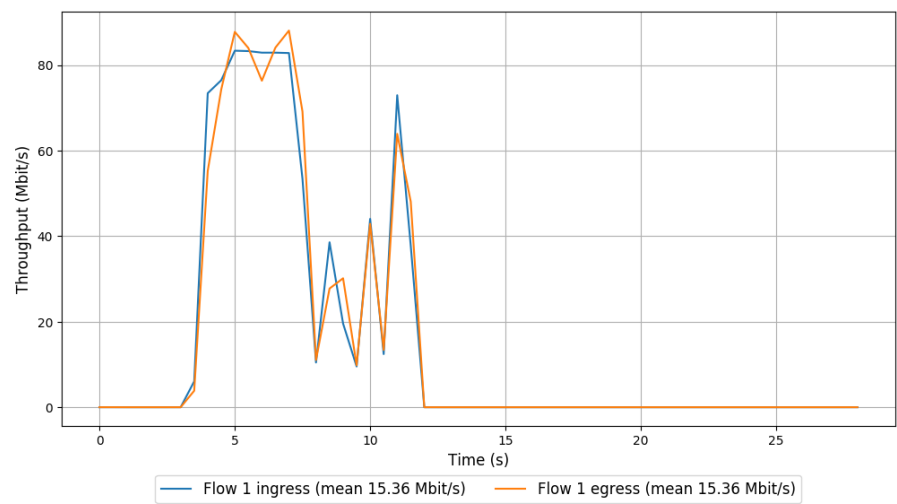
Run 1: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 14.99 Mbit/s)   Flow 1 egress (mean 14.99 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 87.159 ms)

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

Start at: Tue, 13 Jun 2017 18:57:12 +0000
End at: Tue, 13 Jun 2017 18:57:42 +0000
Local clock offset: 5.337 ms
Remote clock offset: 2.689 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 151.668 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.36 Mbit/s
95th percentile per-packet one-way delay: 151.668 ms
Loss rate: 0.00%
```
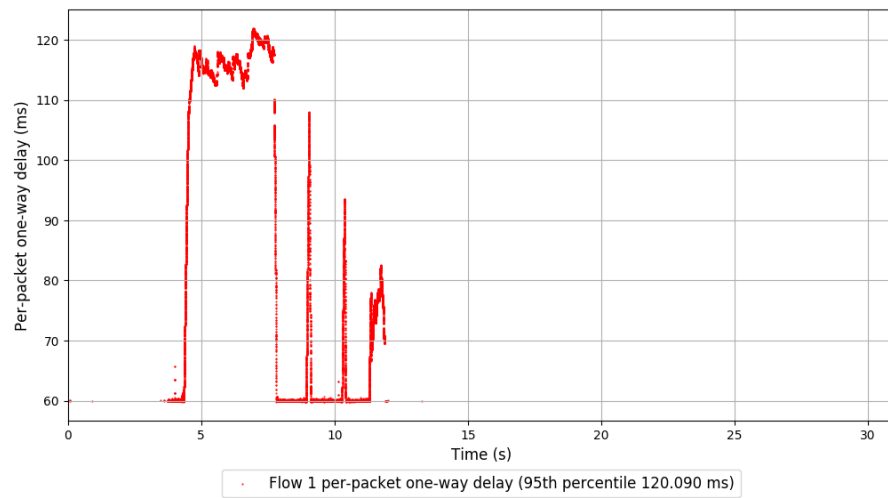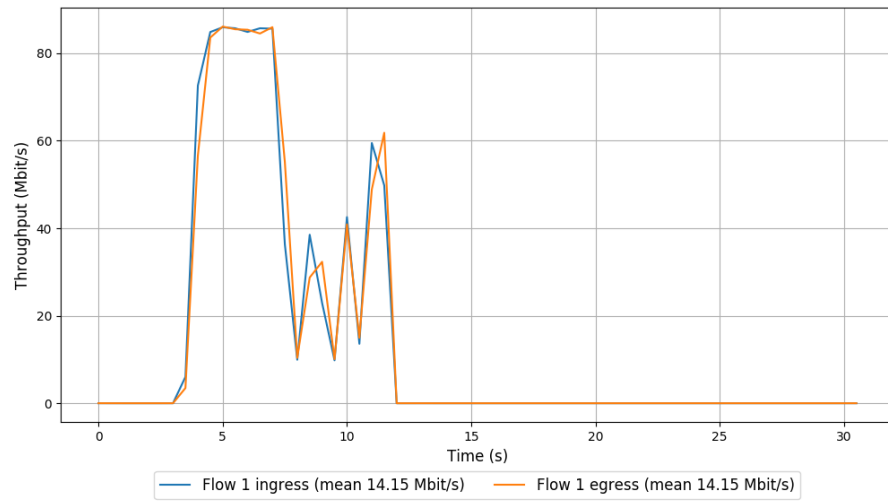
Run 2: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 15.36 Mbit/s)   Flow 1 egress (mean 15.36 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 151.668 ms)

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

Start at: Tue, 13 Jun 2017 19:14:47 +0000
End at: Tue, 13 Jun 2017 19:15:17 +0000
Local clock offset: 4.926 ms
Remote clock offset: 2.499 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 120.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.15 Mbit/s
95th percentile per-packet one-way delay: 120.090 ms
Loss rate: 0.00%
```
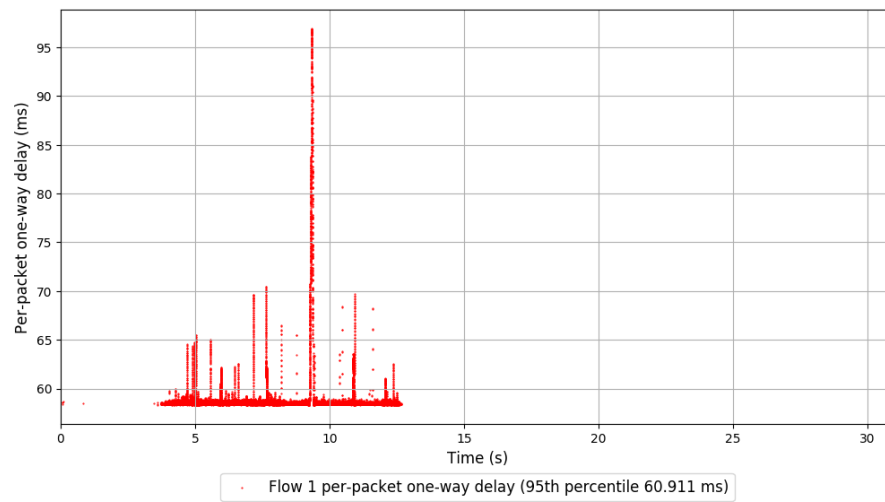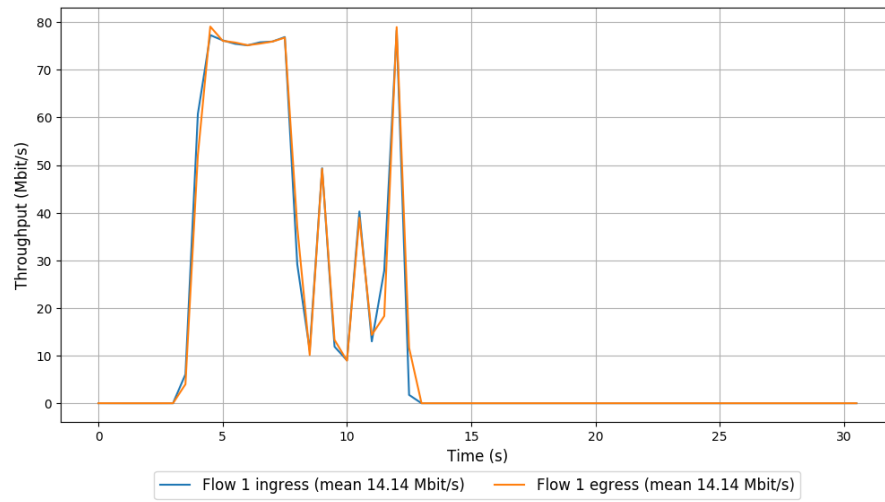
Run 3: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 14.15 Mbit/s) —— Flow 1 egress (mean 14.15 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 120.090 ms)

```
Run 4: Statistics of QUIC Cubic (toy)

Start at: Tue, 13 Jun 2017 19:32:20 +0000
End at: Tue, 13 Jun 2017 19:32:50 +0000
Local clock offset: 4.466 ms
Remote clock offset: 2.12 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.14 Mbit/s
95th percentile per-packet one-way delay: 60.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.14 Mbit/s
95th percentile per-packet one-way delay: 60.911 ms
Loss rate: 0.00%
```
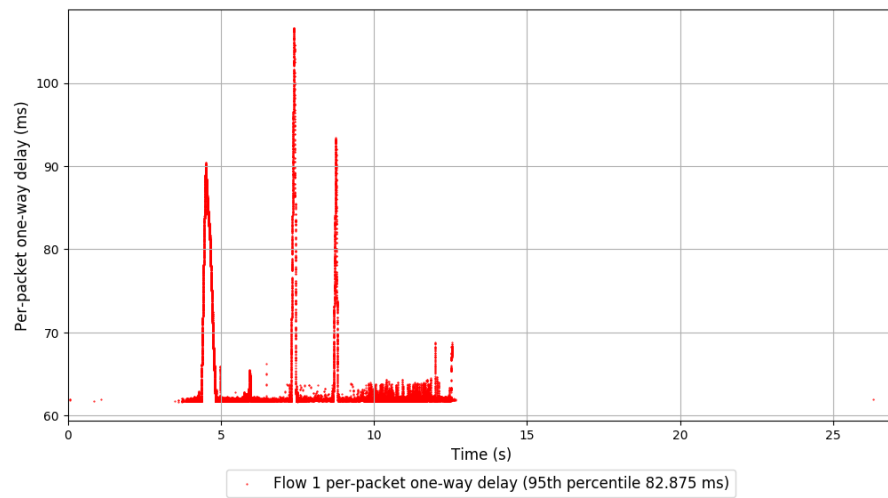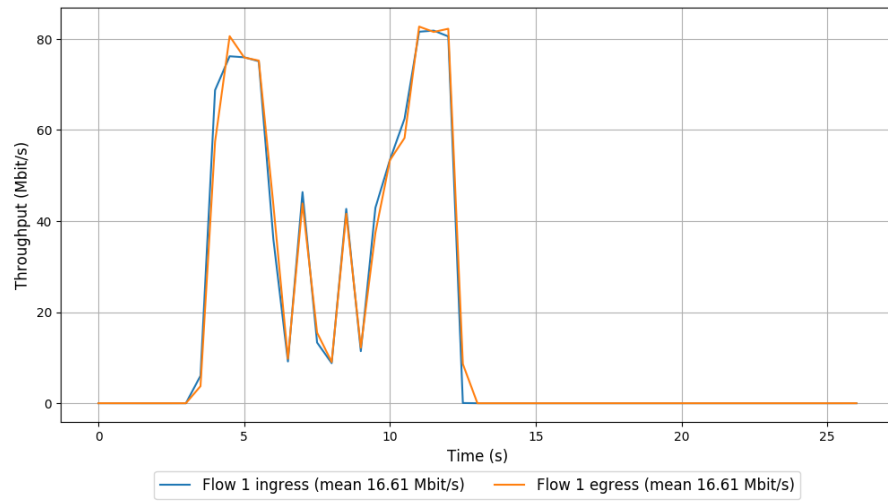
Run 4: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 14.14 Mbit/s) —— Flow 1 egress (mean 14.14 Mbit/s)

. Flow 1 per-packet one-way delay (95th percentile 60.911 ms)

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

Start at: Tue, 13 Jun 2017 19:49:57 +0000
End at: Tue, 13 Jun 2017 19:50:27 +0000
Local clock offset: 3.905 ms
Remote clock offset: -0.792 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 82.875 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 82.875 ms
Loss rate: 0.00%
```
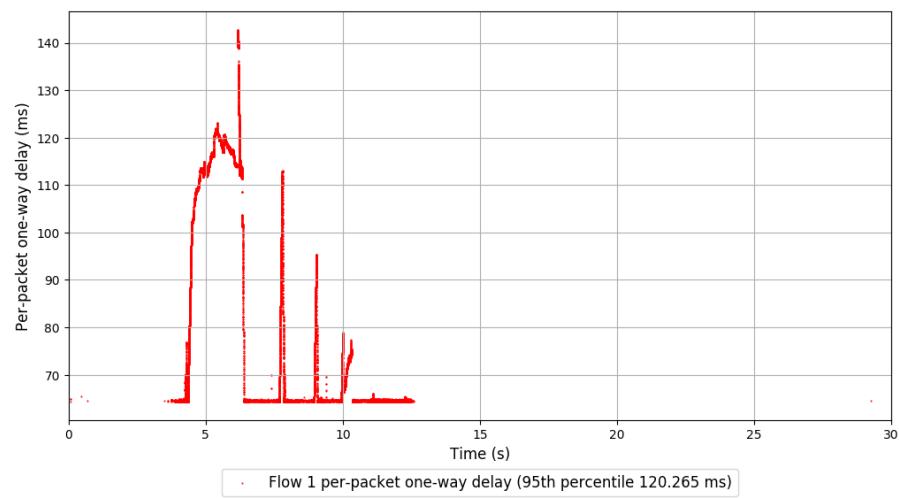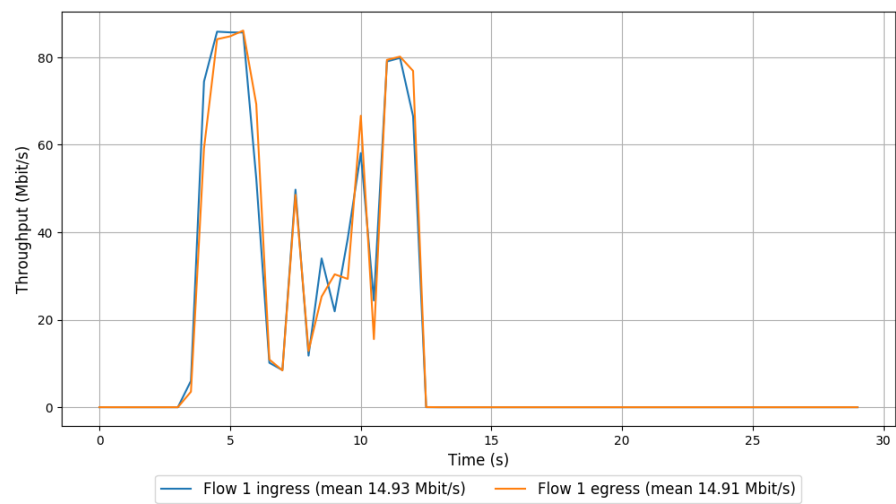
Run 5: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 16.61 Mbit/s)   Flow 1 egress (mean 16.61 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 82.875 ms)

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

Start at: Tue, 13 Jun 2017 20:07:39 +0000
End at: Tue, 13 Jun 2017 20:08:09 +0000
Local clock offset: 4.178 ms
Remote clock offset: -4.033 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.91 Mbit/s
95th percentile per-packet one-way delay: 120.265 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 14.91 Mbit/s
95th percentile per-packet one-way delay: 120.265 ms
Loss rate: 0.13%
```
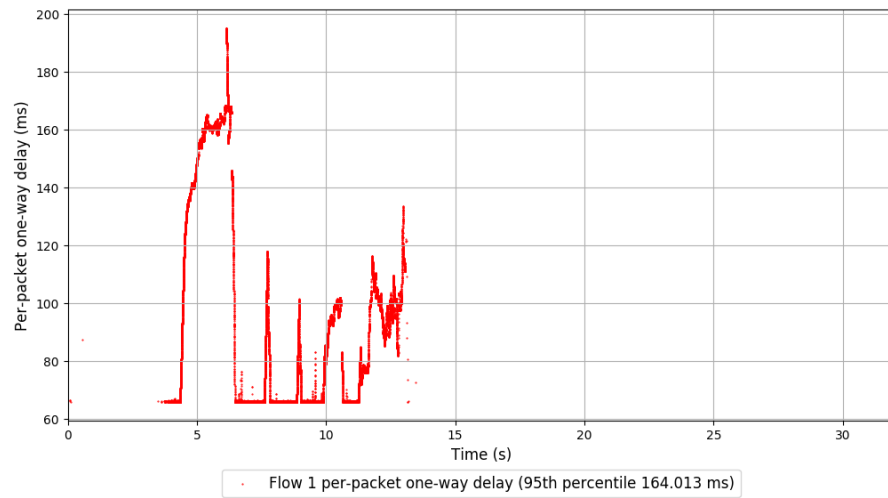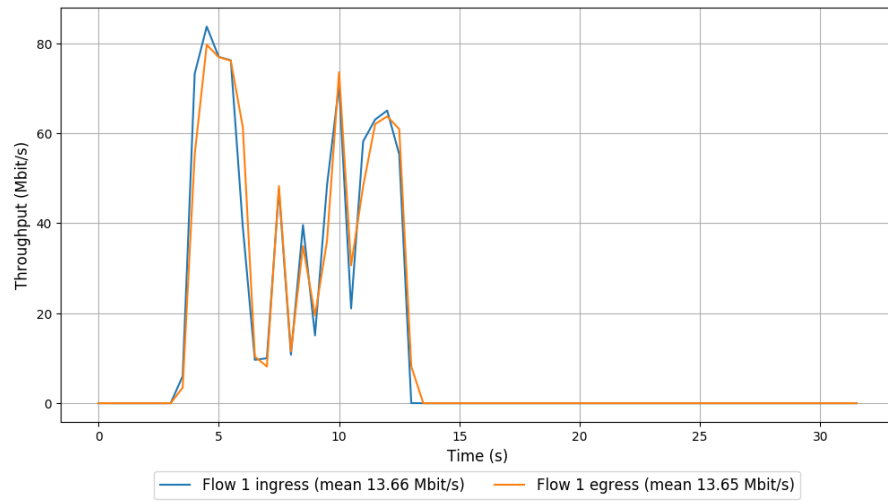
Run 6: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 14.93 Mbit/s)   Flow 1 egress (mean 14.91 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 120.265 ms)

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

Start at: Tue, 13 Jun 2017 20:25:09 +0000
End at: Tue, 13 Jun 2017 20:25:40 +0000
Local clock offset: 4.125 ms
Remote clock offset: -5.17 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 164.013 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 164.013 ms
Loss rate: 0.08%
```
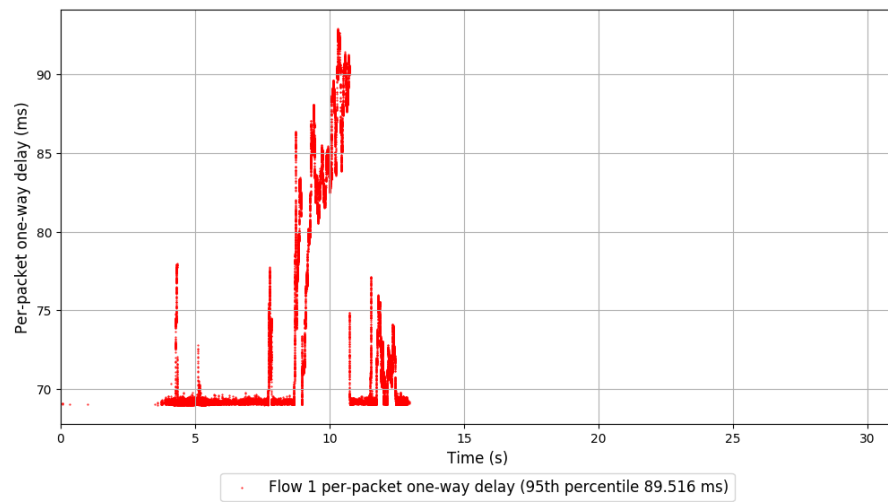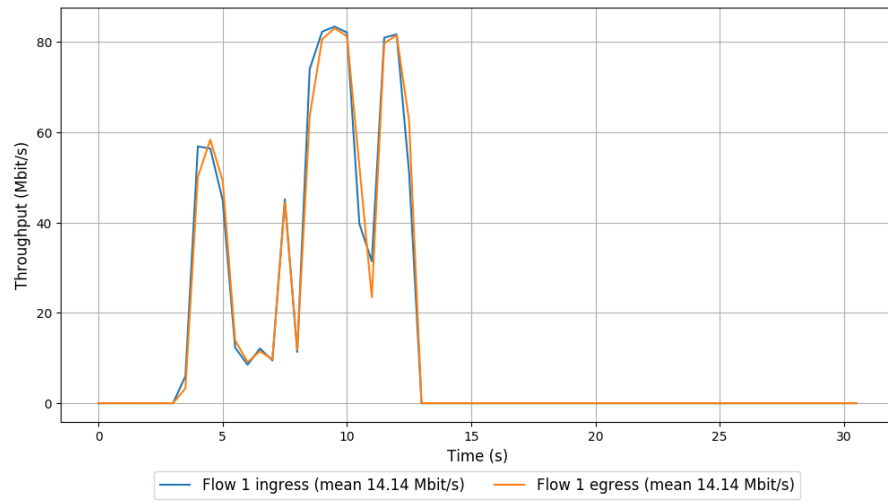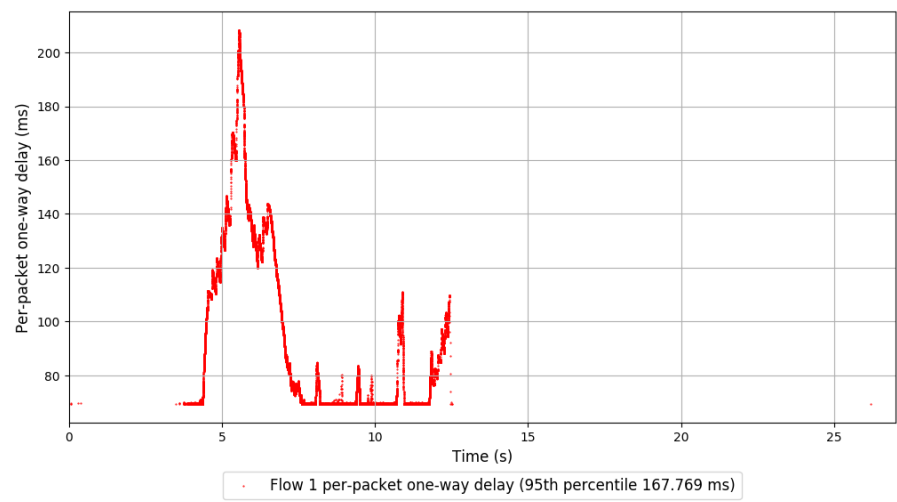
Run 7: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 13.66 Mbit/s) ——— Flow 1 egress (mean 13.65 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 164.013 ms)

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

Start at: Tue, 13 Jun 2017 20:42:47 +0000
End at: Tue, 13 Jun 2017 20:43:17 +0000
Local clock offset: 4.115 ms
Remote clock offset: -7.903 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.14 Mbit/s
95th percentile per-packet one-way delay: 89.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.14 Mbit/s
95th percentile per-packet one-way delay: 89.516 ms
Loss rate: 0.00%
```
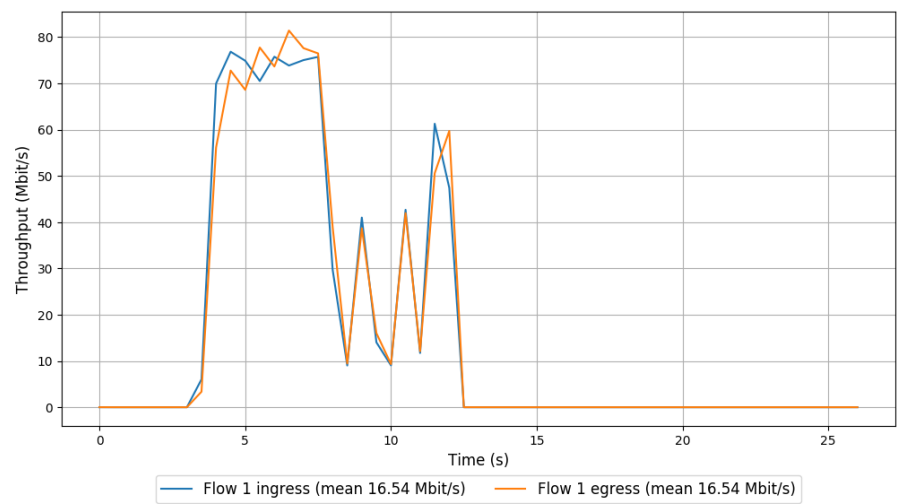
Run 8: Report of QUIC Cubic (toy) — Data Link

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

Start at: Tue, 13 Jun 2017 21:00:12 +0000
End at: Tue, 13 Jun 2017 21:00:42 +0000
Local clock offset: 3.754 ms
Remote clock offset: -9.311 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.54 Mbit/s
95th percentile per-packet one-way delay: 167.769 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.54 Mbit/s
95th percentile per-packet one-way delay: 167.769 ms
Loss rate: 0.00%
```
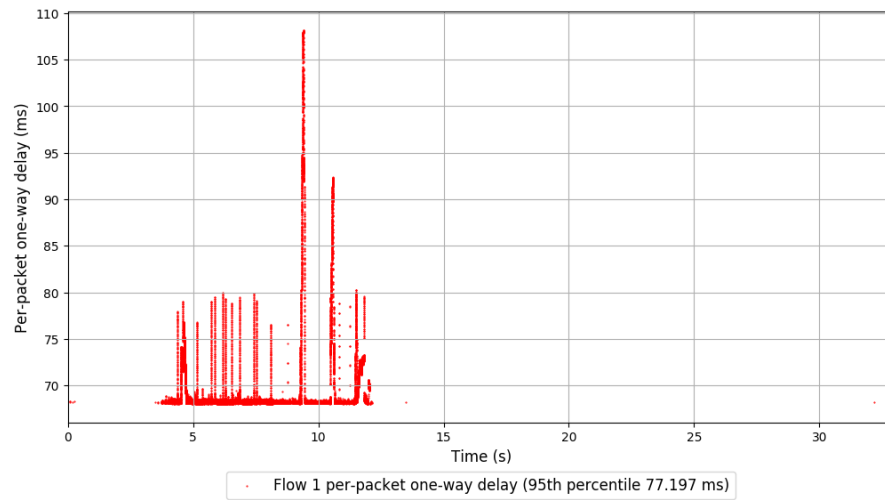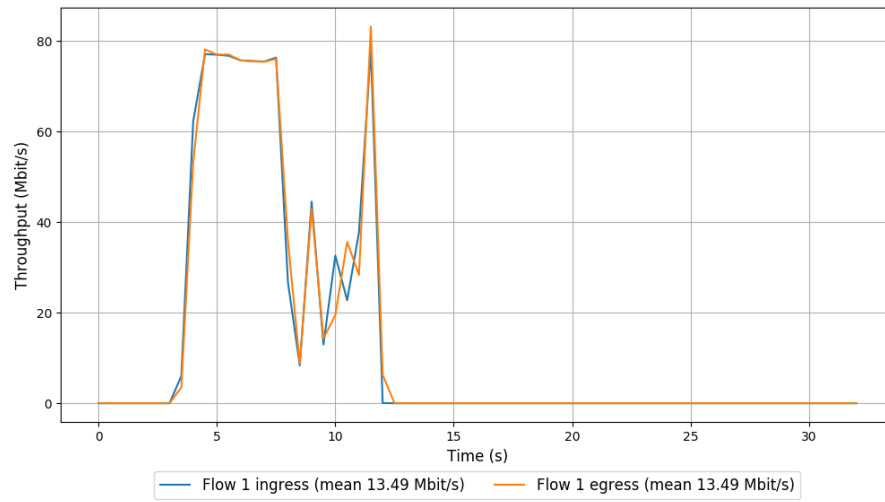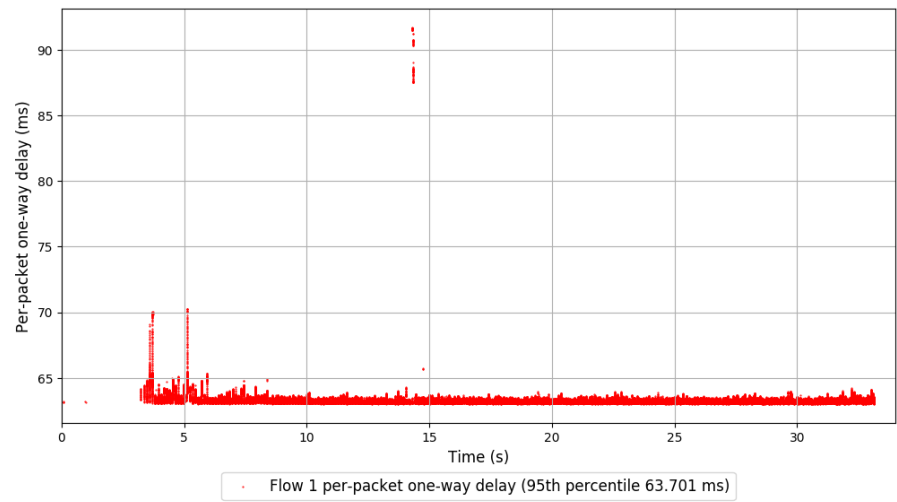
Run 9: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 16.54 Mbit/s)   Flow 1 egress (mean 16.54 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 167.769 ms)

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

Start at: Tue, 13 Jun 2017 21:17:29 +0000
End at: Tue, 13 Jun 2017 21:17:59 +0000
Local clock offset: 3.408 ms
Remote clock offset: -7.783 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 77.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.49 Mbit/s
95th percentile per-packet one-way delay: 77.197 ms
Loss rate: 0.00%
```
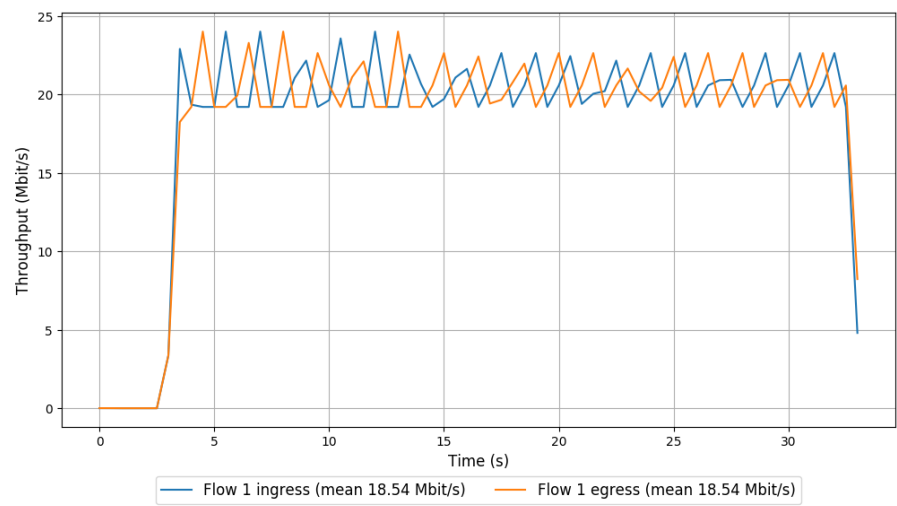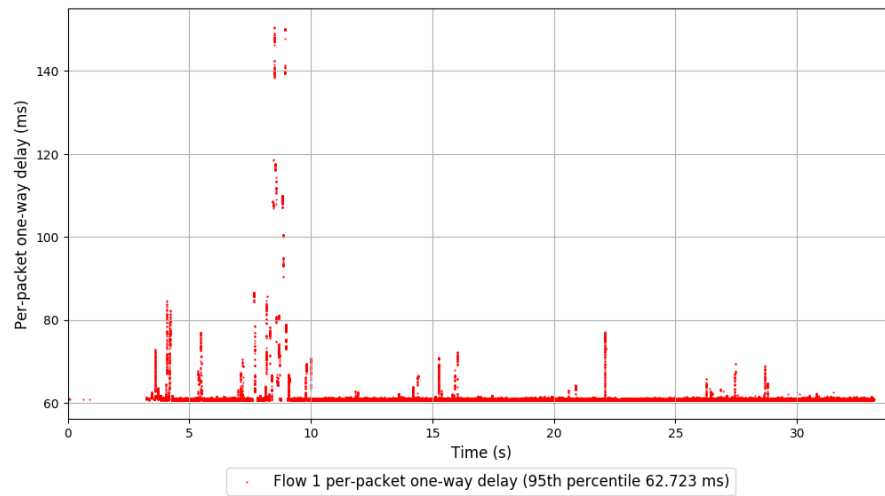
Run 10: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 13.49 Mbit/s)   Flow 1 egress (mean 13.49 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 77.197 ms)

```
Run 1: Statistics of Saturator

Start at: Tue, 13 Jun 2017 18:29:01 +0000
End at: Tue, 13 Jun 2017 18:29:31 +0000
Local clock offset: 7.409 ms
Remote clock offset: 2.067 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.54 Mbit/s
95th percentile per-packet one-way delay: 63.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.54 Mbit/s
95th percentile per-packet one-way delay: 63.701 ms
Loss rate: 0.00%
```
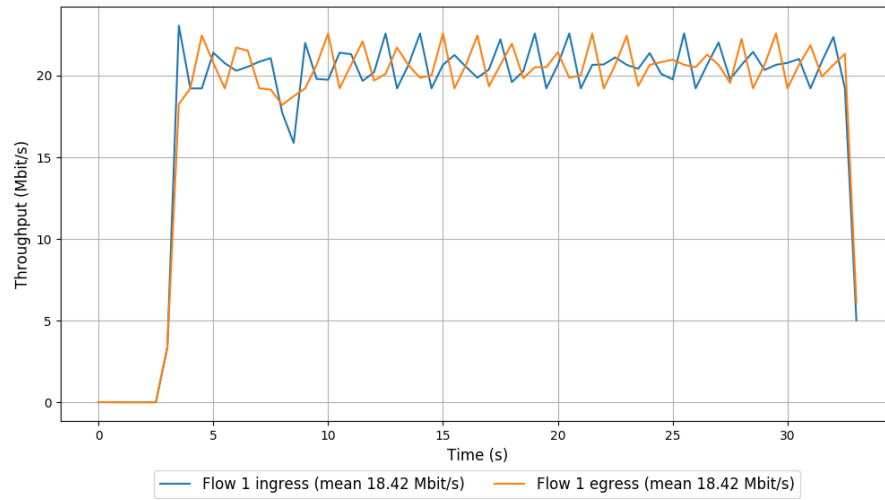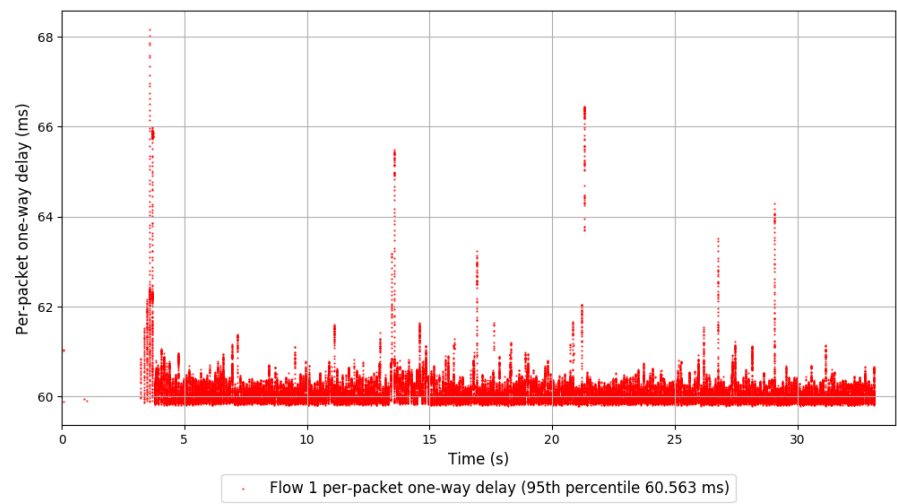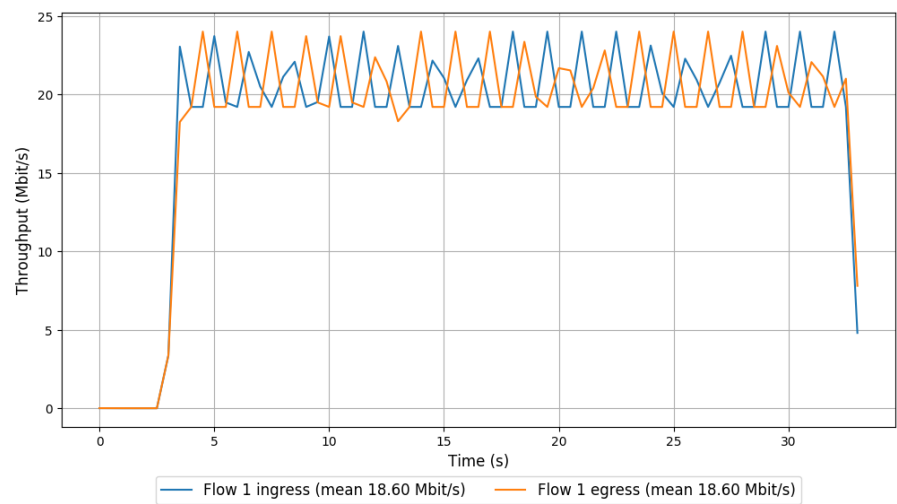
Run 1: Report of Saturator — Data Link

Flow 1 ingress (mean 18.54 Mbit/s)   Flow 1 egress (mean 18.54 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.701 ms)

```
Run 2: Statistics of Saturator

Start at: Tue, 13 Jun 2017 18:46:38 +0000
End at: Tue, 13 Jun 2017 18:47:08 +0000
Local clock offset: 5.414 ms
Remote clock offset: 2.568 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 62.723 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 62.723 ms
Loss rate: 0.02%
```
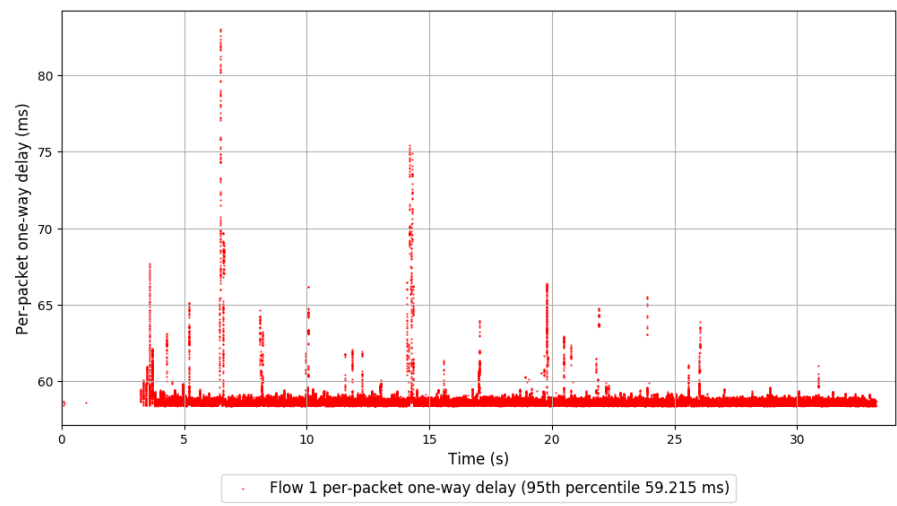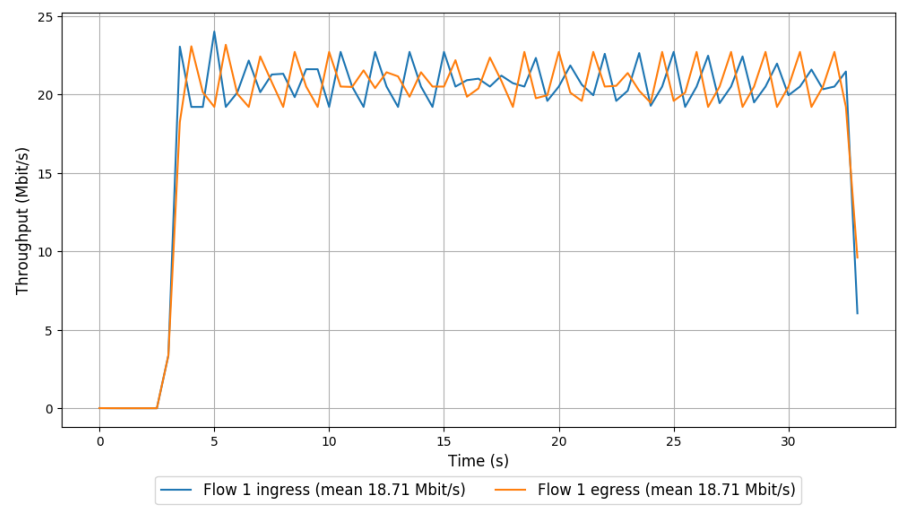
Run 2: Report of Saturator — Data Link

Flow 1 ingress (mean 18.42 Mbit/s)   Flow 1 egress (mean 18.42 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.723 ms)

```
Run 3: Statistics of Saturator

Start at: Tue, 13 Jun 2017 19:04:09 +0000
End at: Tue, 13 Jun 2017 19:04:39 +0000
Local clock offset: 5.537 ms
Remote clock offset: 3.102 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 60.563 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.60 Mbit/s
95th percentile per-packet one-way delay: 60.563 ms
Loss rate: 0.00%
```
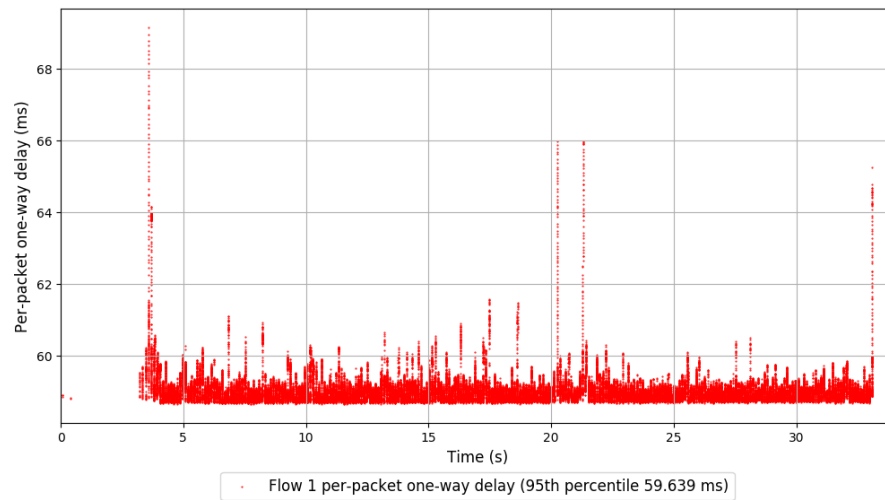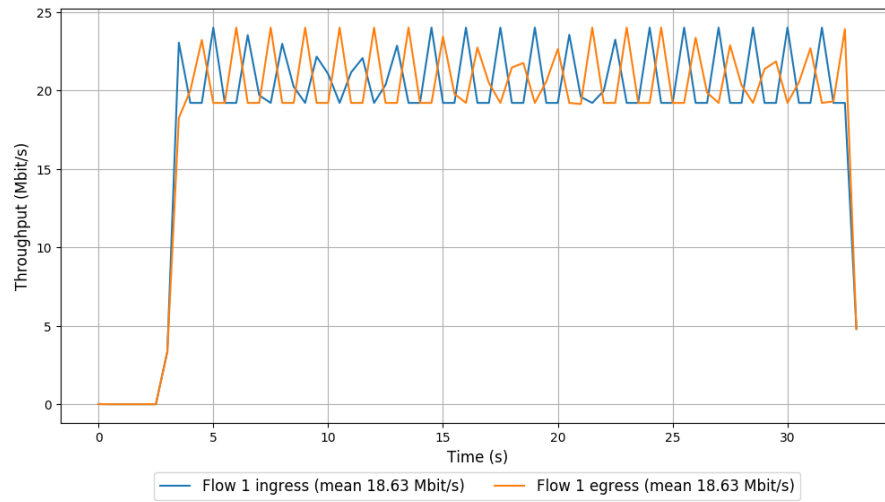
Run 3: Report of Saturator — Data Link

Flow 1 ingress (mean 18.60 Mbit/s)   Flow 1 egress (mean 18.60 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 60.563 ms)

```
Run 4: Statistics of Saturator

Start at: Tue, 13 Jun 2017 19:21:47 +0000
End at: Tue, 13 Jun 2017 19:22:17 +0000
Local clock offset: 4.747 ms
Remote clock offset: 2.614 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.71 Mbit/s
95th percentile per-packet one-way delay: 59.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.71 Mbit/s
95th percentile per-packet one-way delay: 59.215 ms
Loss rate: 0.00%
```
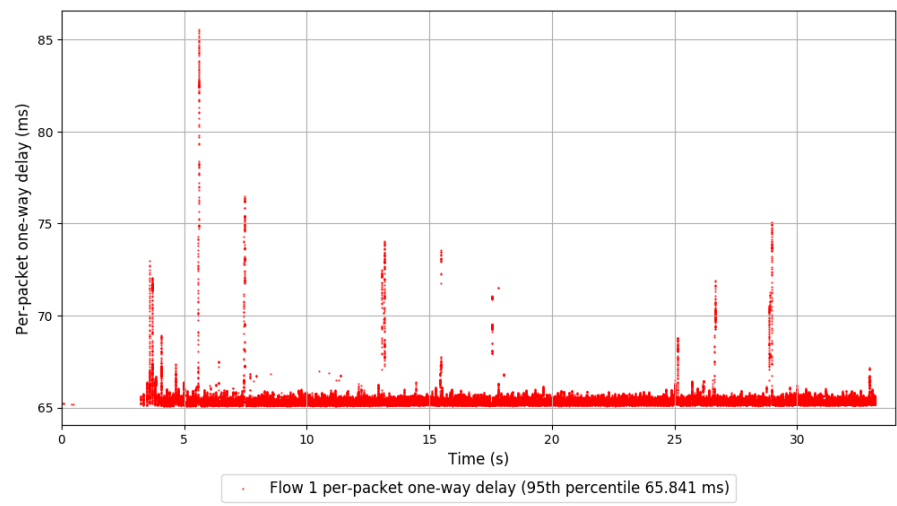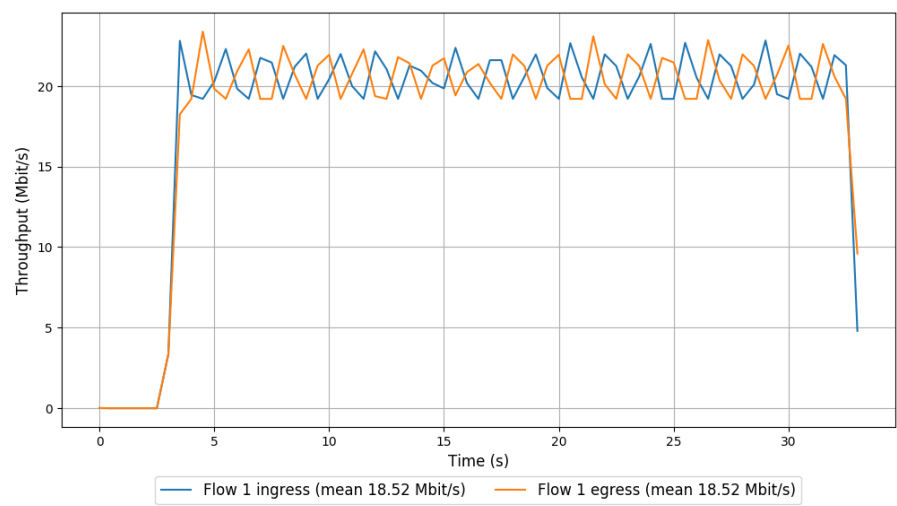
Run 4: Report of Saturator — Data Link

Flow 1 ingress (mean 18.71 Mbit/s)   Flow 1 egress (mean 18.71 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 59.215 ms)
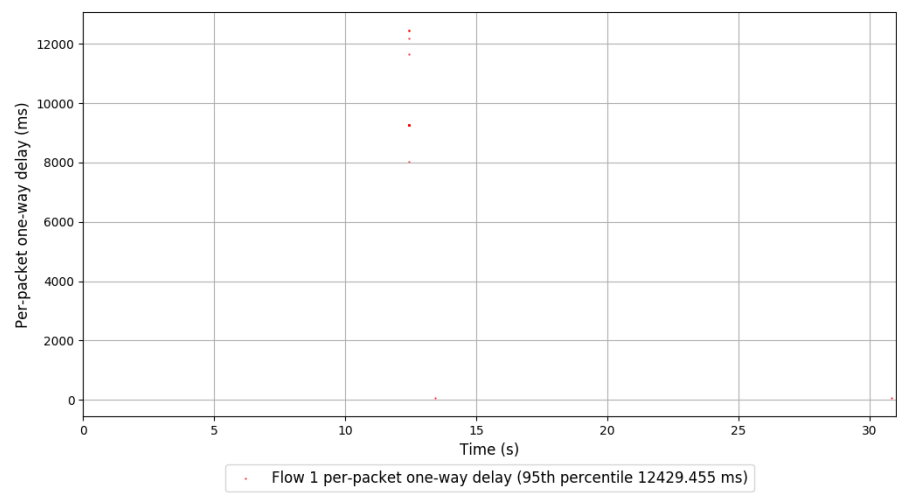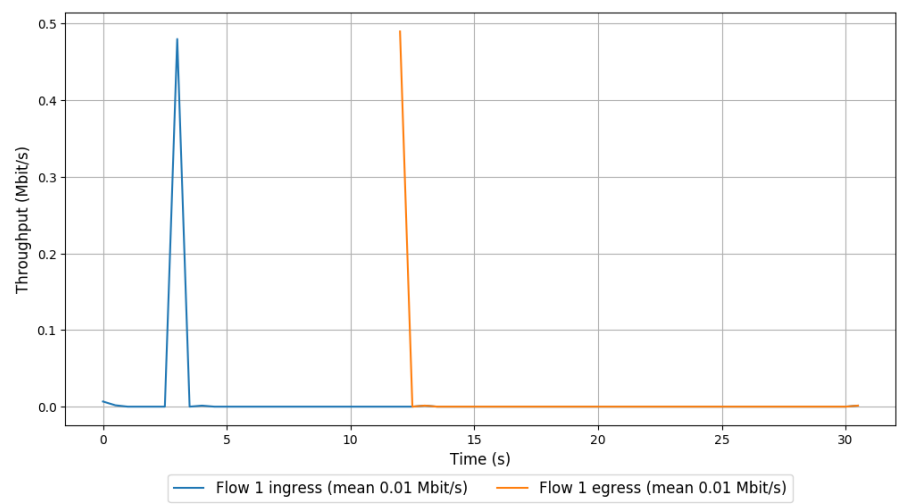
```
Run 5: Statistics of Saturator

Start at: Tue, 13 Jun 2017 19:39:17 +0000
End at: Tue, 13 Jun 2017 19:39:47 +0000
Local clock offset: 4.301 ms
Remote clock offset: 2.206 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.63 Mbit/s
95th percentile per-packet one-way delay: 59.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.63 Mbit/s
95th percentile per-packet one-way delay: 59.639 ms
Loss rate: 0.00%
```

Run 5: 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 59.639 ms)

```
Run 6: Statistics of Saturator

Start at: Tue, 13 Jun 2017 19:56:58 +0000
End at: Tue, 13 Jun 2017 19:57:28 +0000
Local clock offset: 3.879 ms
Remote clock offset: -3.417 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 65.841 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 65.841 ms
Loss rate: 0.00%
```
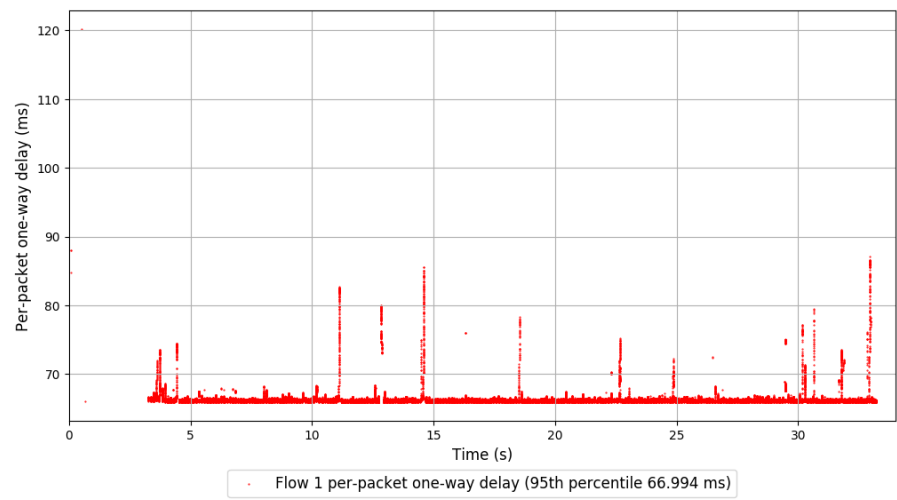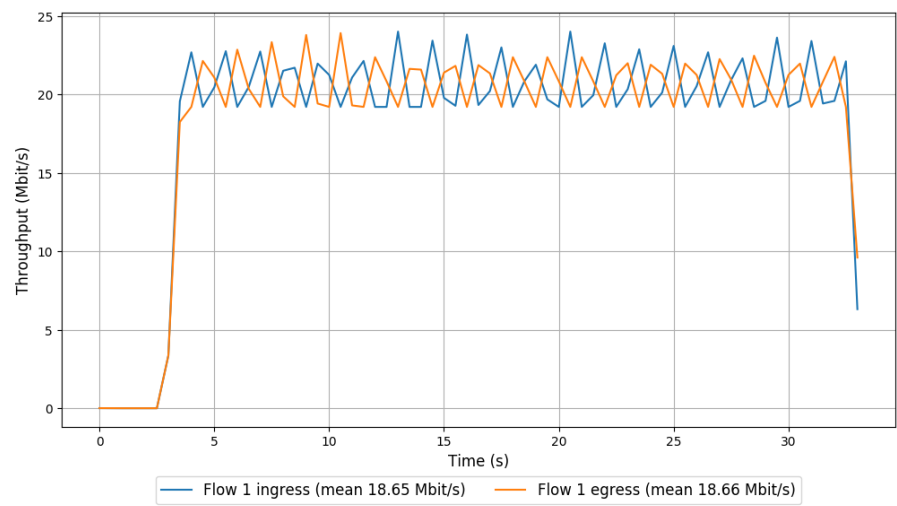
Run 6: Report of Saturator — Data Link
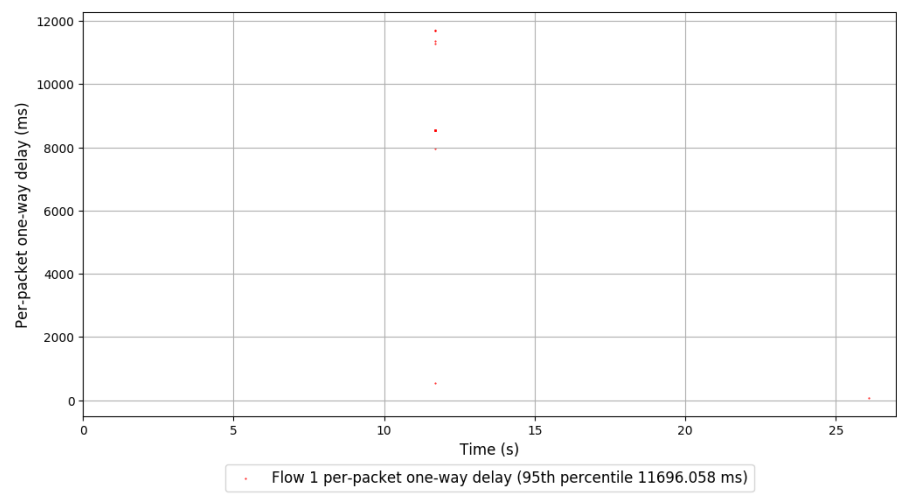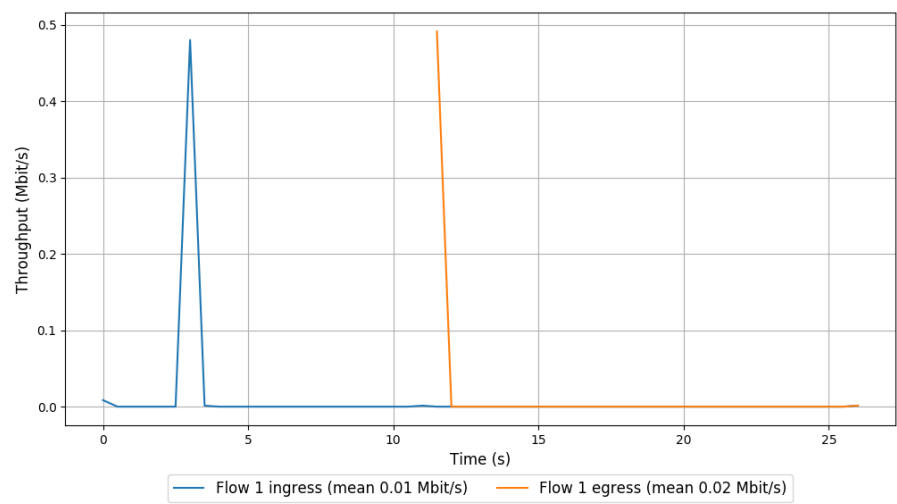
```
Run 7: Statistics of Saturator

Start at: Tue, 13 Jun 2017 20:14:38 +0000
End at: Tue, 13 Jun 2017 20:15:08 +0000
Local clock offset: 4.304 ms
Remote clock offset: -4.777 ms
```

Run 7: Report of Saturator — Data Link

```
Run 8: Statistics of Saturator

Start at: Tue, 13 Jun 2017 20:32:03 +0000
End at: Tue, 13 Jun 2017 20:32:33 +0000
Local clock offset: 4.265 ms
Remote clock offset: -5.613 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 66.994 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 66.994 ms
Loss rate: 0.00%
```
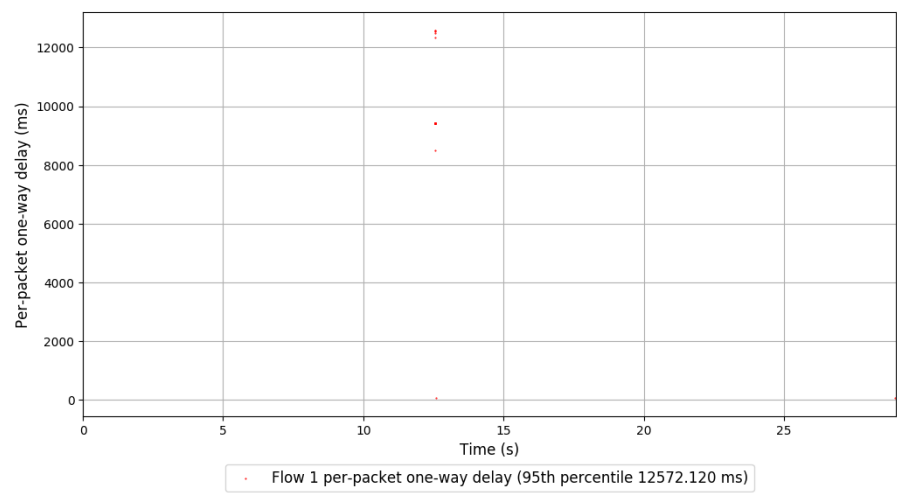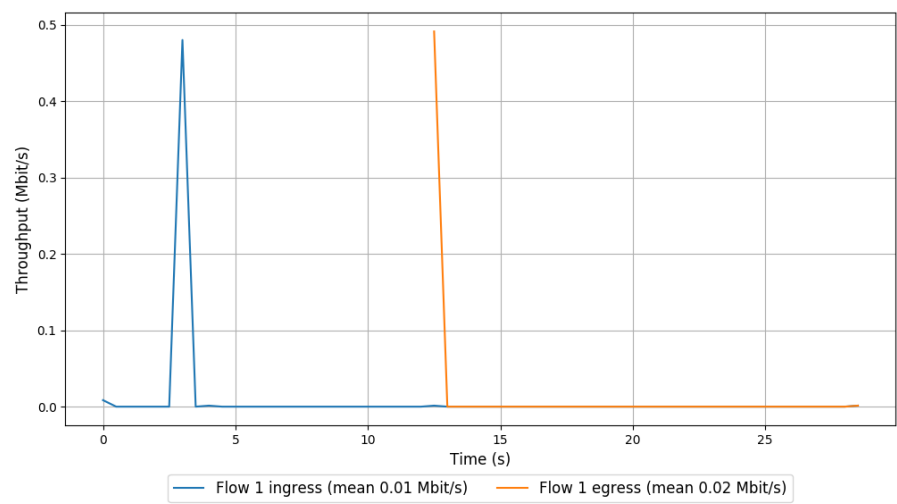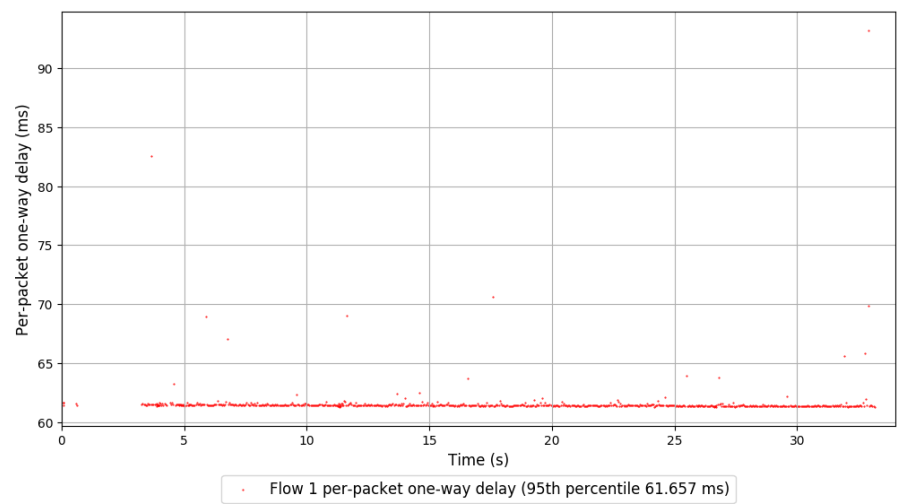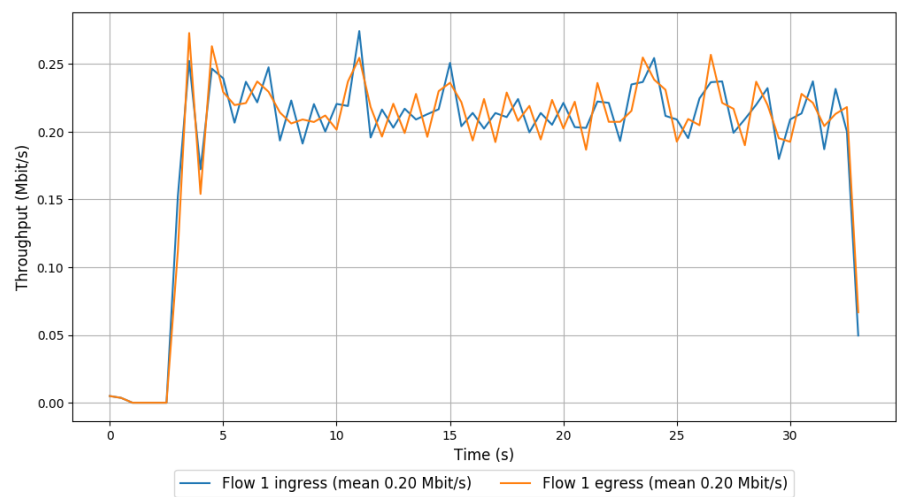
Run 8: Report of Saturator — Data Link

```
Run 9: Statistics of Saturator

Start at: Tue, 13 Jun 2017 20:49:46 +0000
End at: Tue, 13 Jun 2017 20:50:16 +0000
Local clock offset: 4.019 ms
Remote clock offset: -9.552 ms
```

Run 9: 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 11696.058 ms)

Run 10: Statistics of Saturator

Start at: Tue, 13 Jun 2017 21:07:07 +0000
End at: Tue, 13 Jun 2017 21:07:37 +0000
Local clock offset: 3.739 ms
Remote clock offset: -8.124 ms

Run 10: Report of Saturator — Data Link

```
Run 1: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 18:36:12 +0000
End at: Tue, 13 Jun 2017 18:36:42 +0000
Local clock offset: 6.69 ms
Remote clock offset: 2.091 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 61.657 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 61.657 ms
Loss rate: 0.00%
```
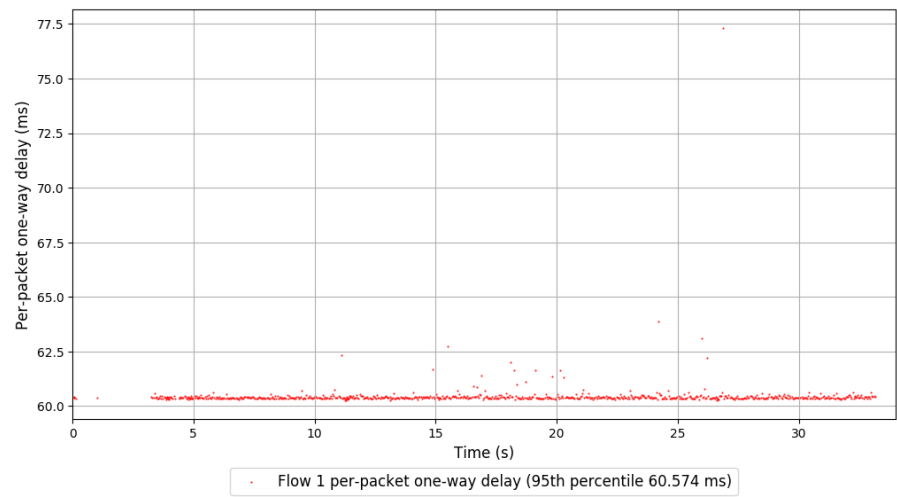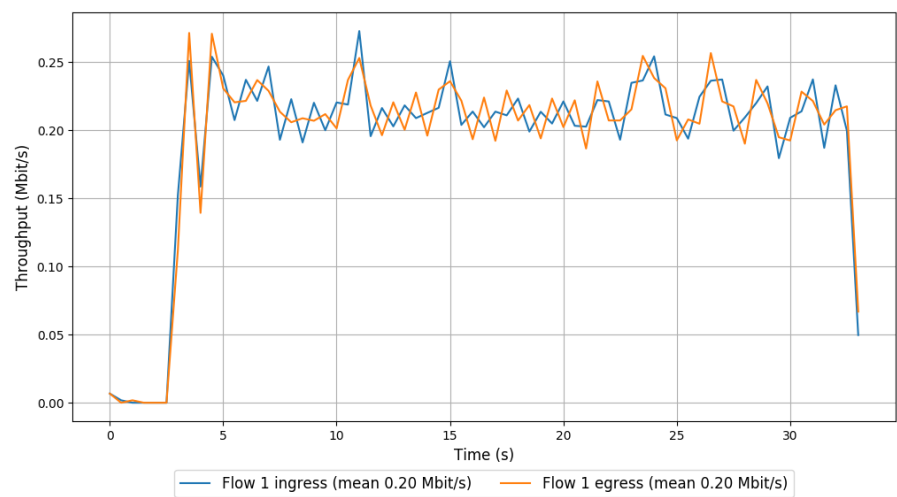
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 18:53:49 +0000
End at: Tue, 13 Jun 2017 18:54:19 +0000
Local clock offset: 5.348 ms
Remote clock offset: 2.726 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 60.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 60.574 ms
Loss rate: 0.00%
```
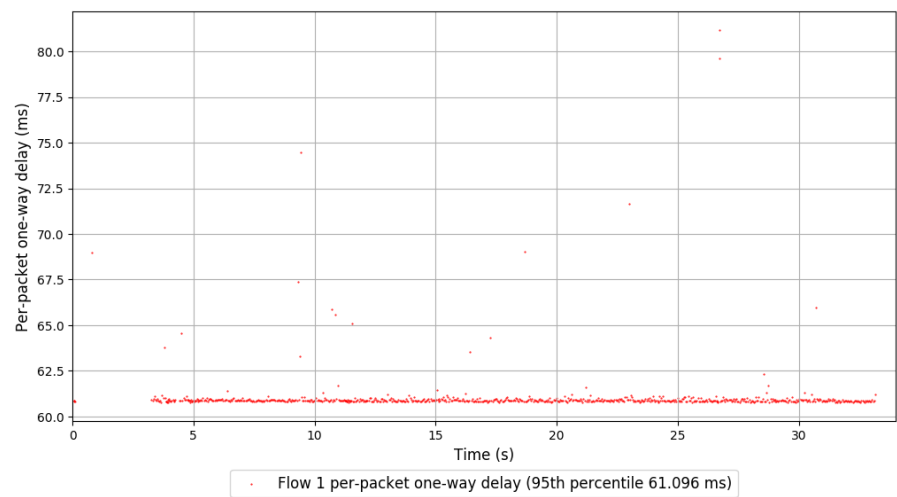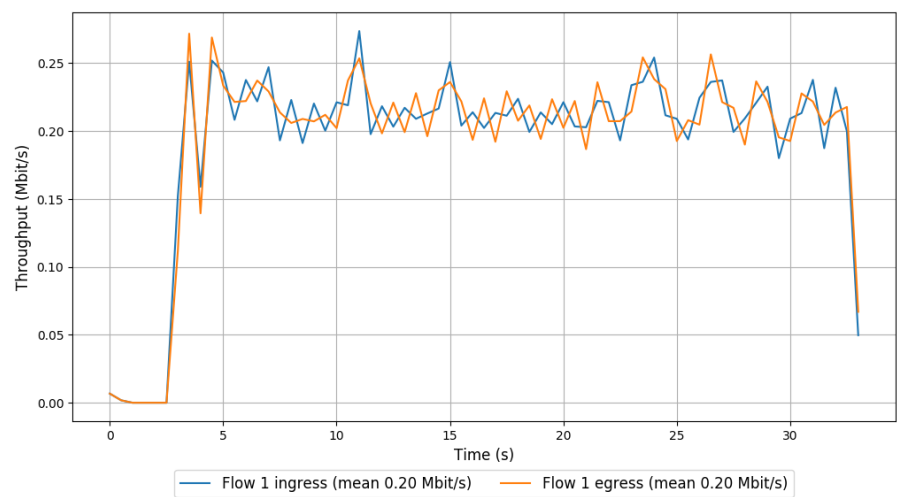
Run 2: Report of SCReAM — Data Link
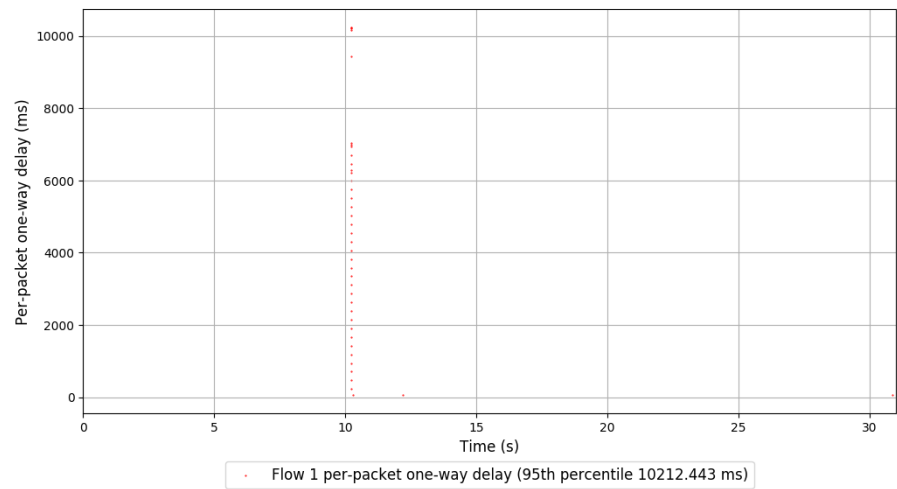
```
Run 3: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 19:11:23 +0000
End at: Tue, 13 Jun 2017 19:11:53 +0000
Local clock offset: 5.127 ms
Remote clock offset: 2.597 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 61.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 61.096 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 61.096 ms)

```
Run 4: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 19:28:55 +0000
End at: Tue, 13 Jun 2017 19:29:25 +0000
Local clock offset: 4.558 ms
Remote clock offset: 2.555 ms
```
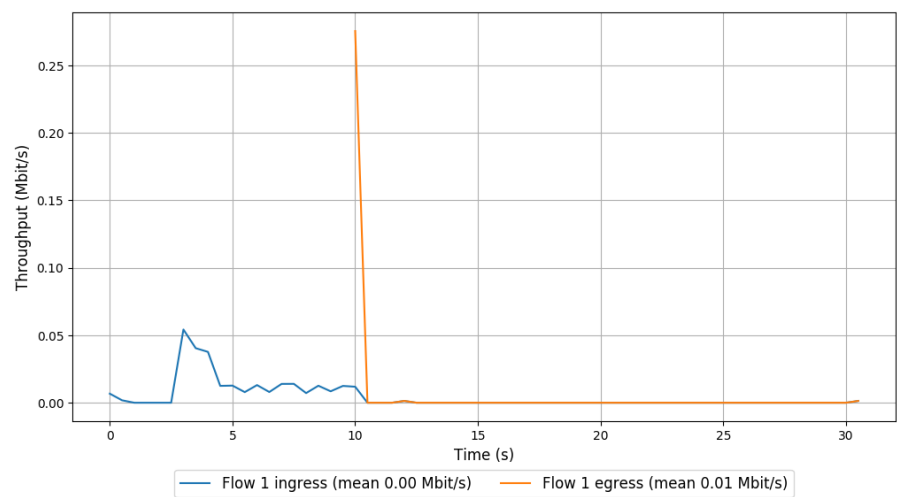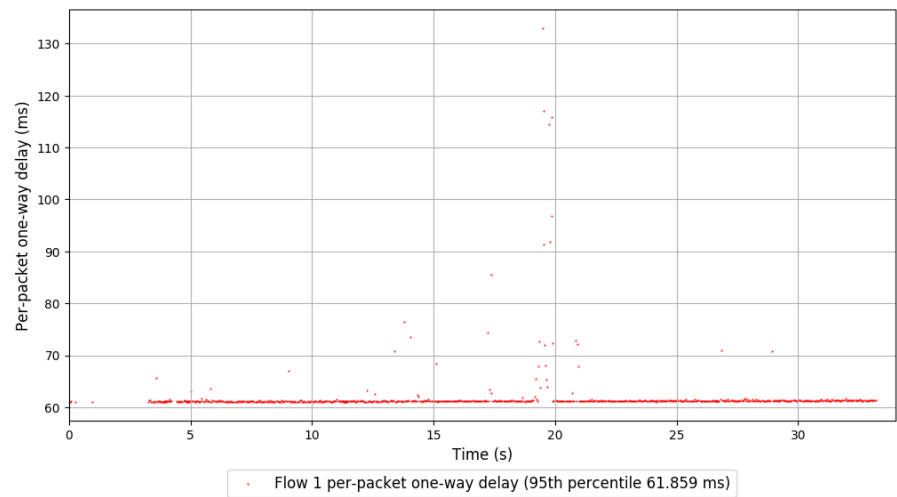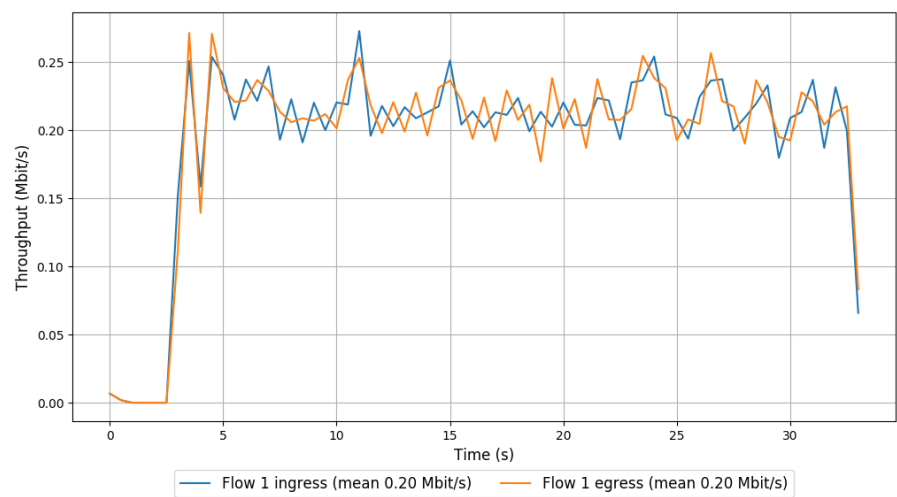
Run 4: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 0.01 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 10212.443 ms)

```
Run 5: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 19:46:32 +0000
End at: Tue, 13 Jun 2017 19:47:02 +0000
Local clock offset: 3.891 ms
Remote clock offset: 0.352 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 61.859 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 61.859 ms
Loss rate: 0.00%
```
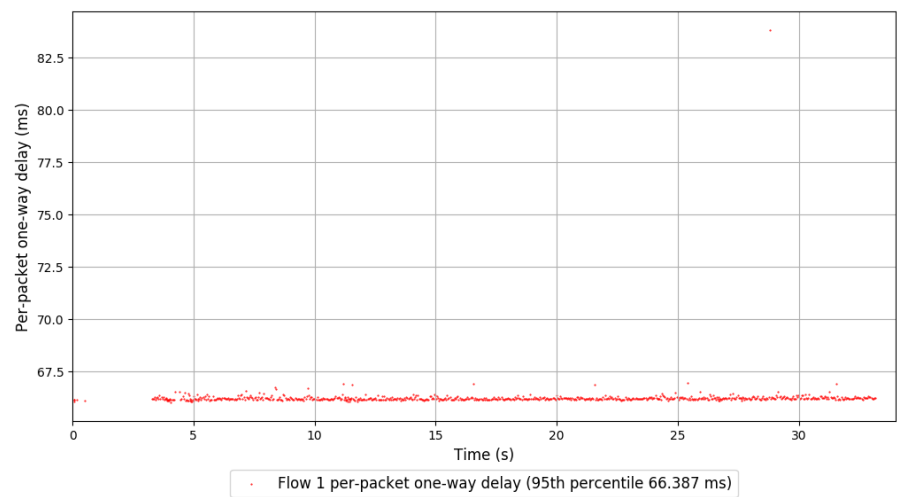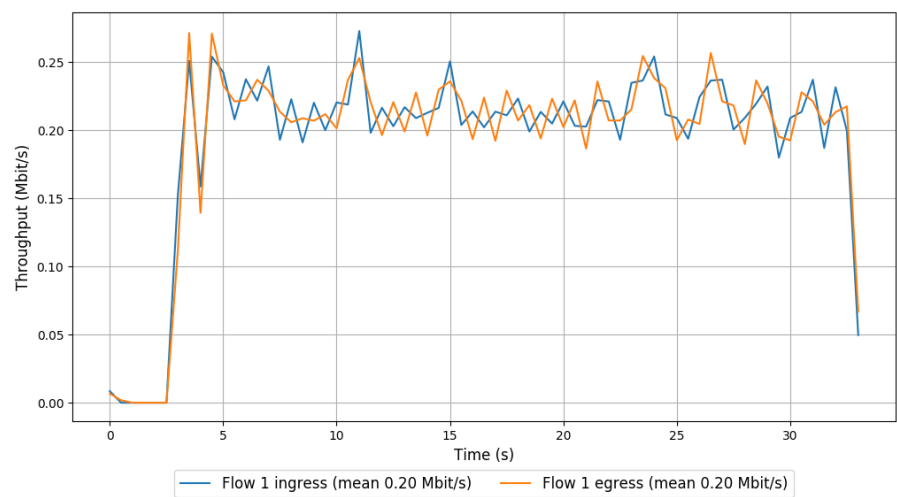
Run 5: Report of SCReAM — Data Link

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 61.859 ms)

193

```
Run 6: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 20:04:17 +0000
End at: Tue, 13 Jun 2017 20:04:47 +0000
Local clock offset: 4.023 ms
Remote clock offset: -3.839 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 66.387 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 66.387 ms
Loss rate: 0.00%
```
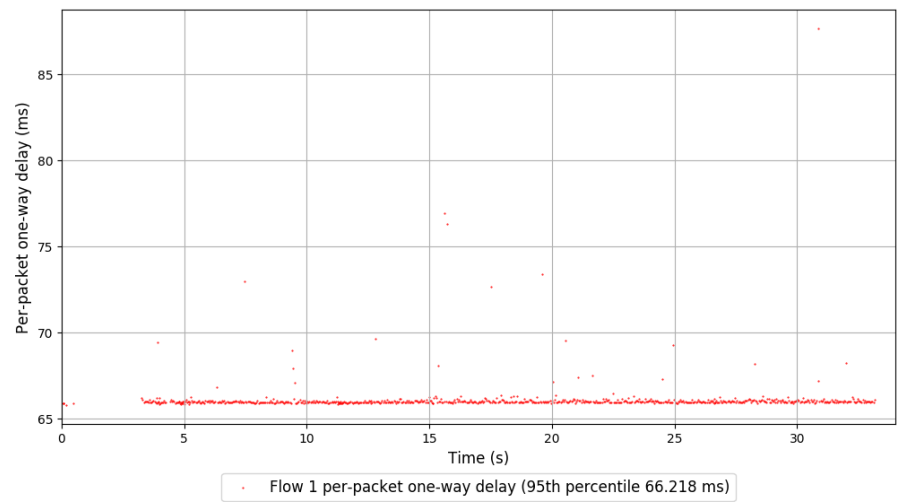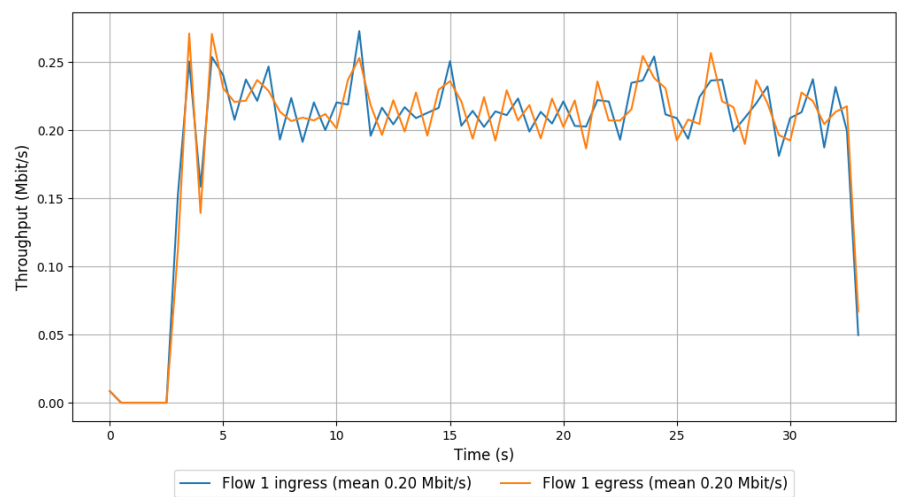
Run 6: Report of SCReAM — Data Link

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 66.387 ms)

```
Run 7: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 20:21:45 +0000
End at: Tue, 13 Jun 2017 20:22:15 +0000
Local clock offset: 4.168 ms
Remote clock offset: -4.873 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 66.218 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 66.218 ms
Loss rate: 0.00%
```
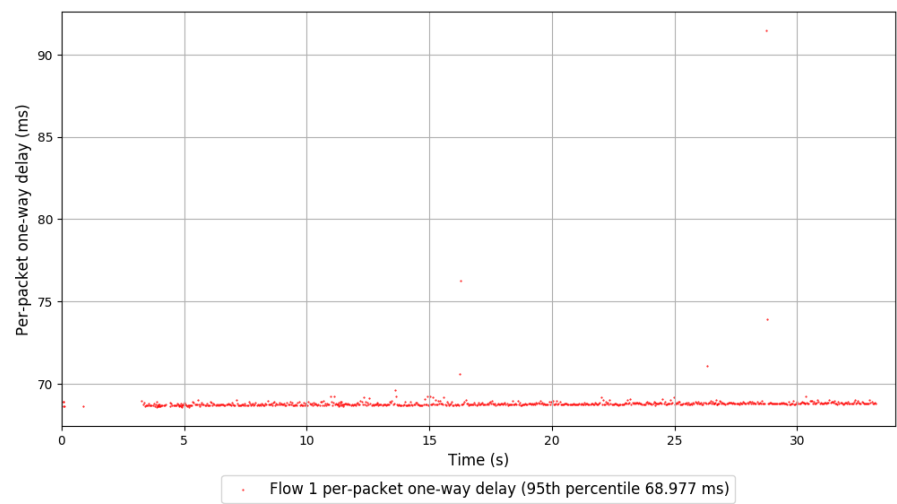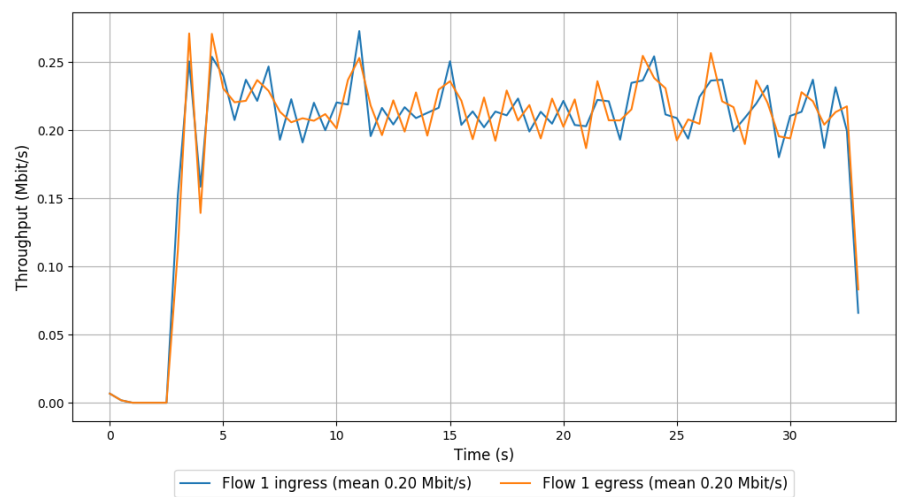
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 20:39:17 +0000
End at: Tue, 13 Jun 2017 20:39:47 +0000
Local clock offset: 4.124 ms
Remote clock offset: -7.266 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 68.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 68.977 ms
Loss rate: 0.00%
```
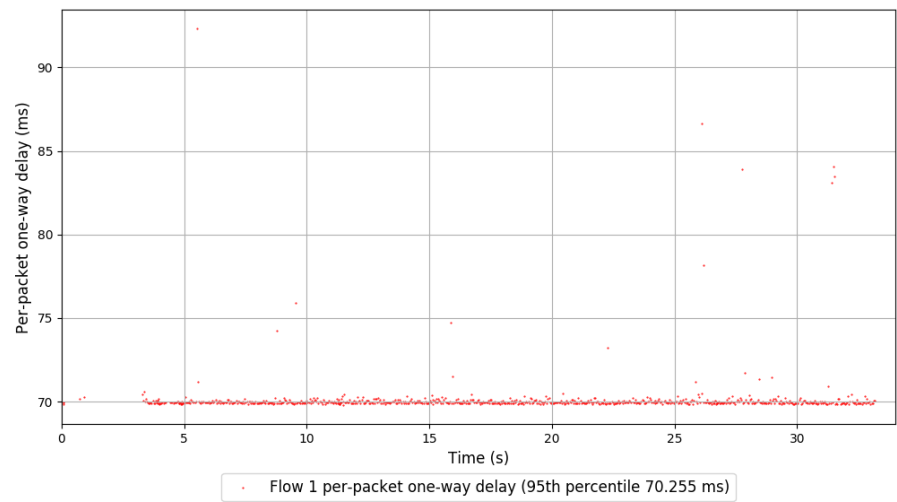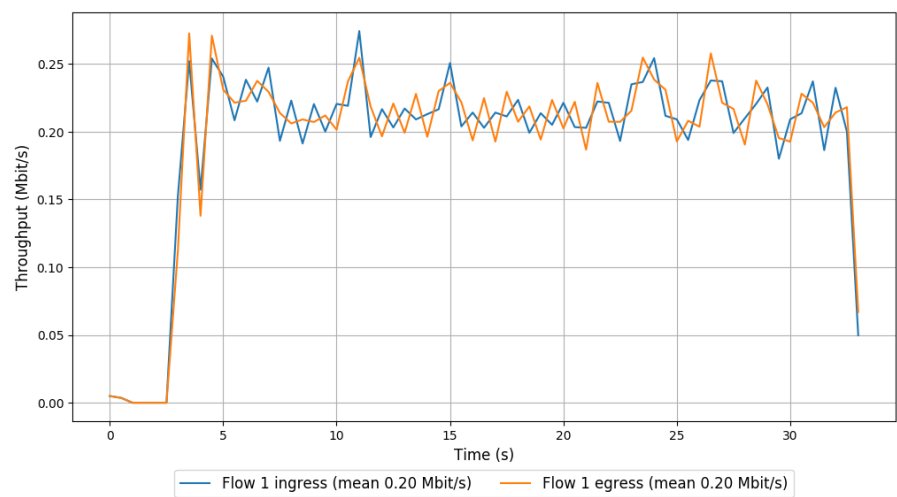
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 20:56:40 +0000
End at: Tue, 13 Jun 2017 20:57:10 +0000
Local clock offset: 3.735 ms
Remote clock offset: -8.85 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 70.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 70.255 ms
Loss rate: 0.00%
```
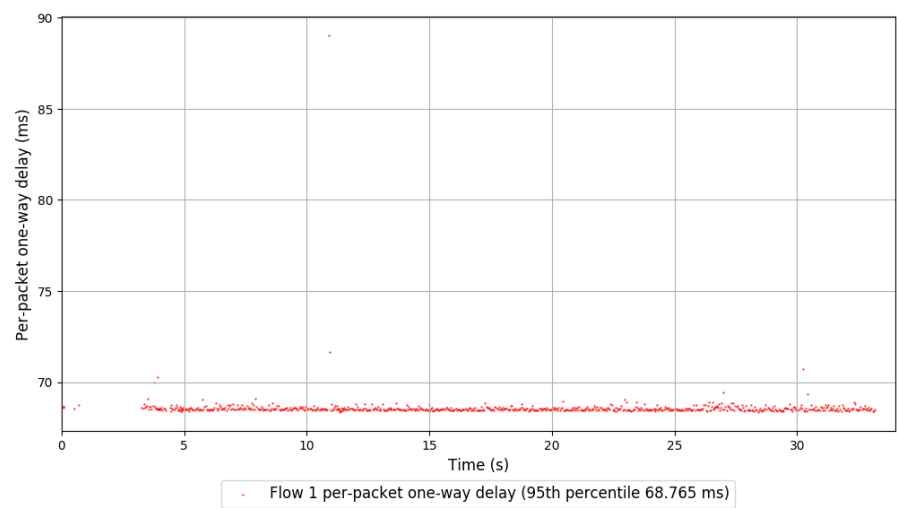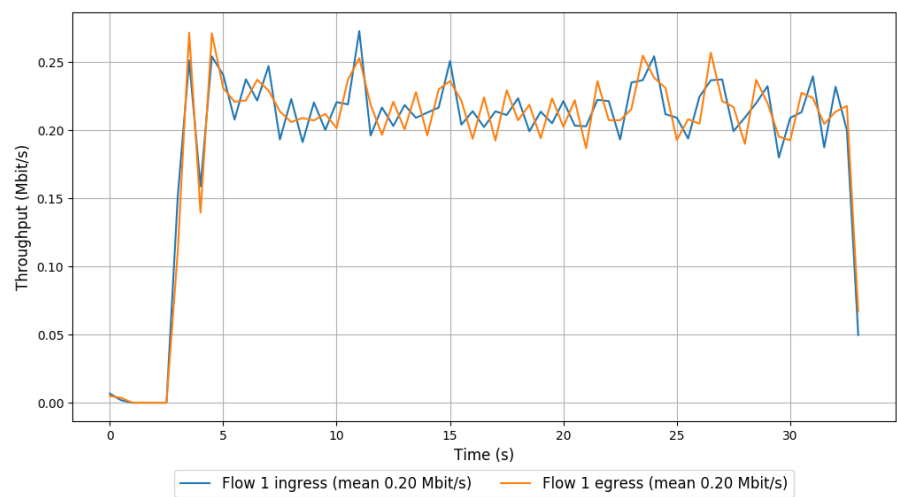
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 21:14:05 +0000
End at: Tue, 13 Jun 2017 21:14:35 +0000
Local clock offset: 3.494 ms
Remote clock offset: -8.329 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 68.765 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 68.765 ms
Loss rate: 0.00%
```
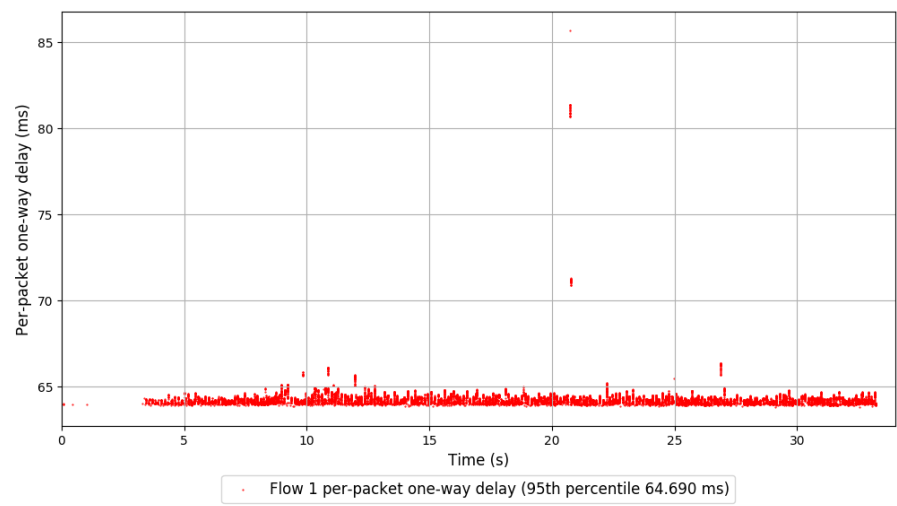
Run 10: Report of SCReAM — Data Link

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 68.765 ms)

```
Run 1: Statistics of Sprout

Start at: Tue, 13 Jun 2017 18:27:55 +0000
End at: Tue, 13 Jun 2017 18:28:25 +0000
Local clock offset: 7.444 ms
Remote clock offset: 1.717 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 64.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.94 Mbit/s
95th percentile per-packet one-way delay: 64.690 ms
Loss rate: 0.00%
```
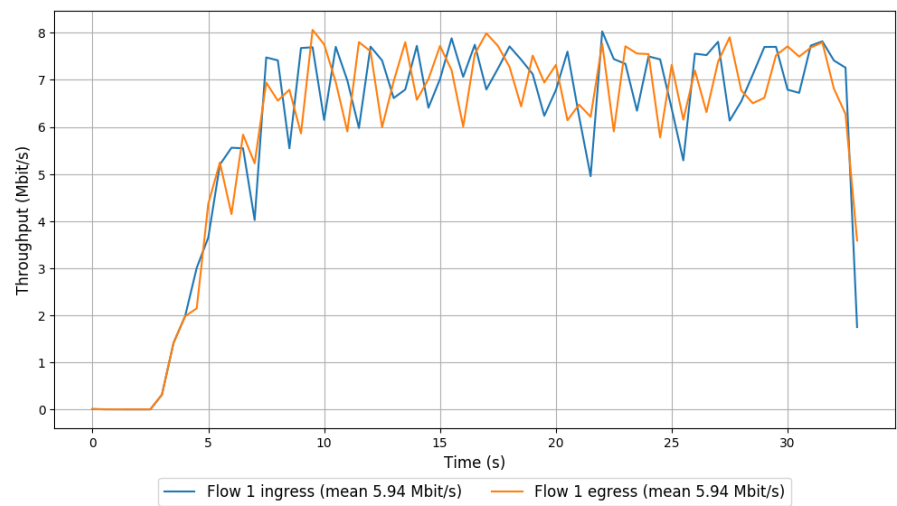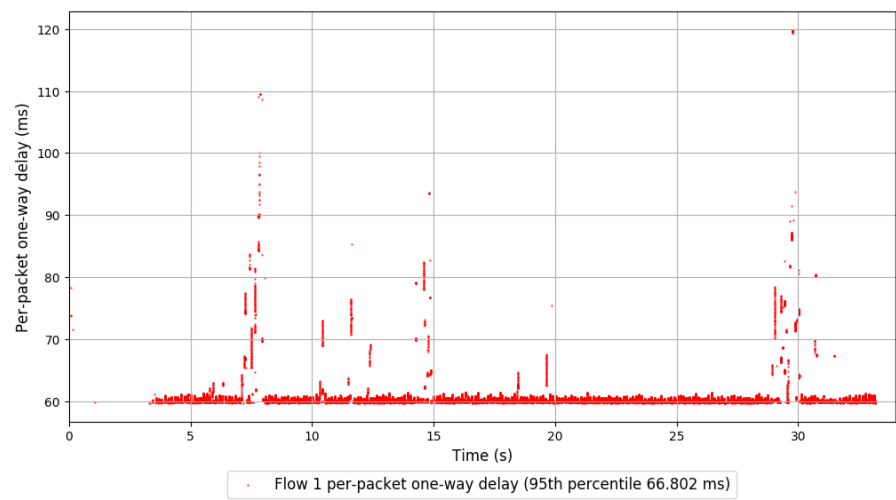
Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: Tue, 13 Jun 2017 18:45:31 +0000
End at: Tue, 13 Jun 2017 18:46:01 +0000
Local clock offset: 5.466 ms
Remote clock offset: 2.541 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.48 Mbit/s
95th percentile per-packet one-way delay: 66.802 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.48 Mbit/s
95th percentile per-packet one-way delay: 66.802 ms
Loss rate: 0.00%
```
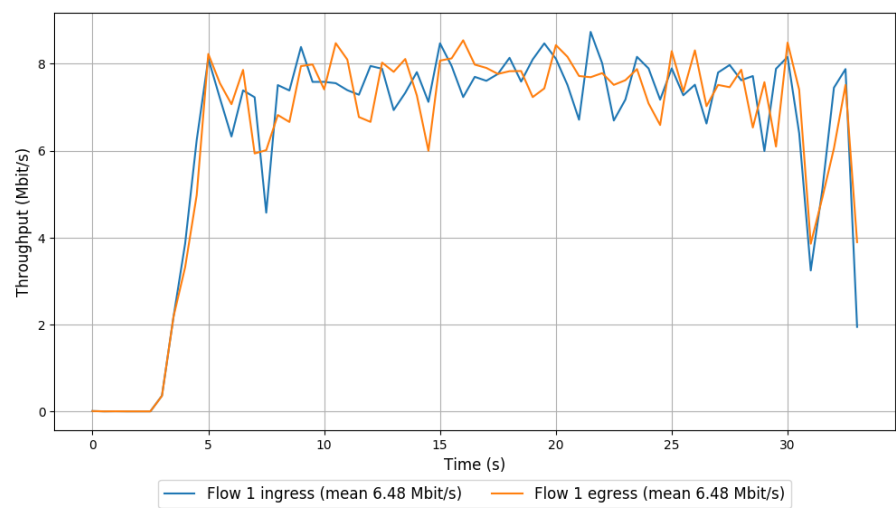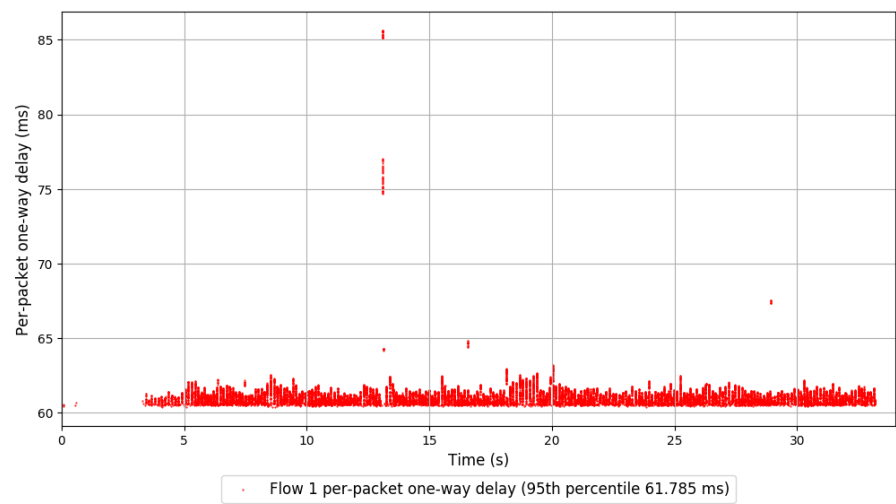
Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: Tue, 13 Jun 2017 19:03:02 +0000
End at: Tue, 13 Jun 2017 19:03:32 +0000
Local clock offset: 5.572 ms
Remote clock offset: 2.878 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.23 Mbit/s
95th percentile per-packet one-way delay: 61.785 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 6.23 Mbit/s
95th percentile per-packet one-way delay: 61.785 ms
Loss rate: 0.03%
```
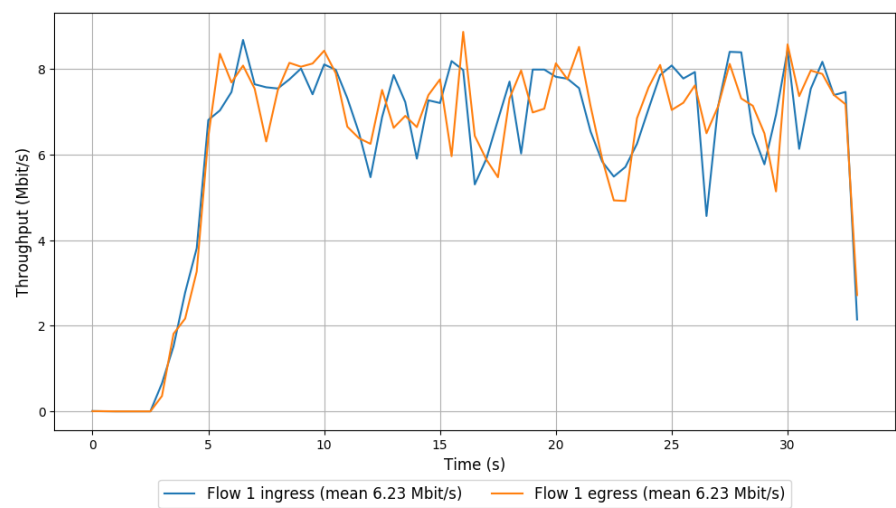
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 6.23 Mbit/s) — Flow 1 egress (mean 6.23 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 61.785 ms)

209

```
Run 4: Statistics of Sprout

Start at: Tue, 13 Jun 2017 19:20:41 +0000
End at: Tue, 13 Jun 2017 19:21:11 +0000
Local clock offset: 4.803 ms
Remote clock offset: 2.571 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 60.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.44 Mbit/s
95th percentile per-packet one-way delay: 60.498 ms
Loss rate: 0.00%
```
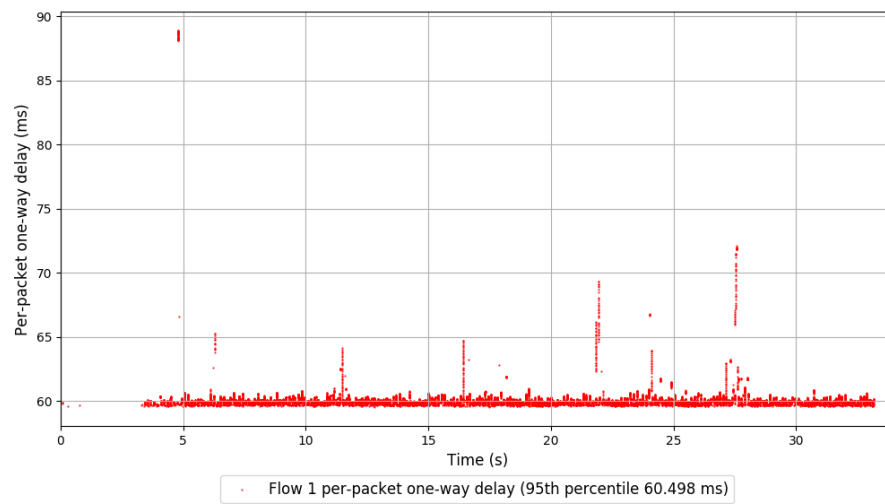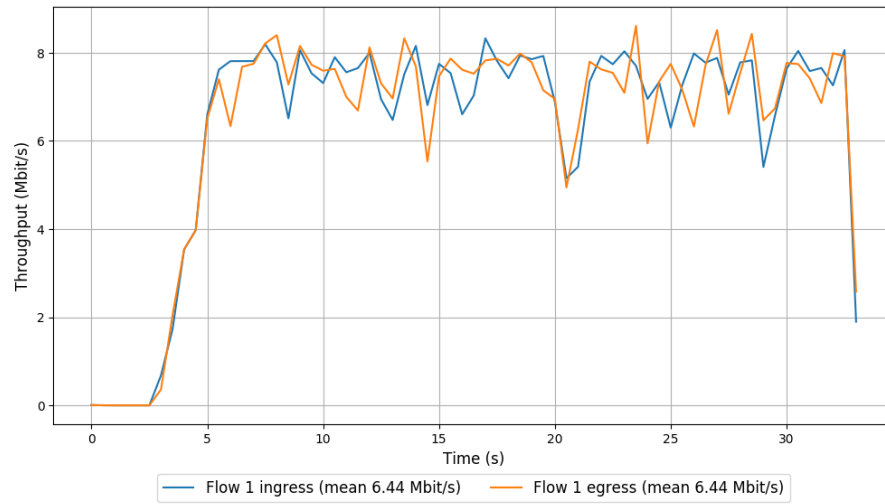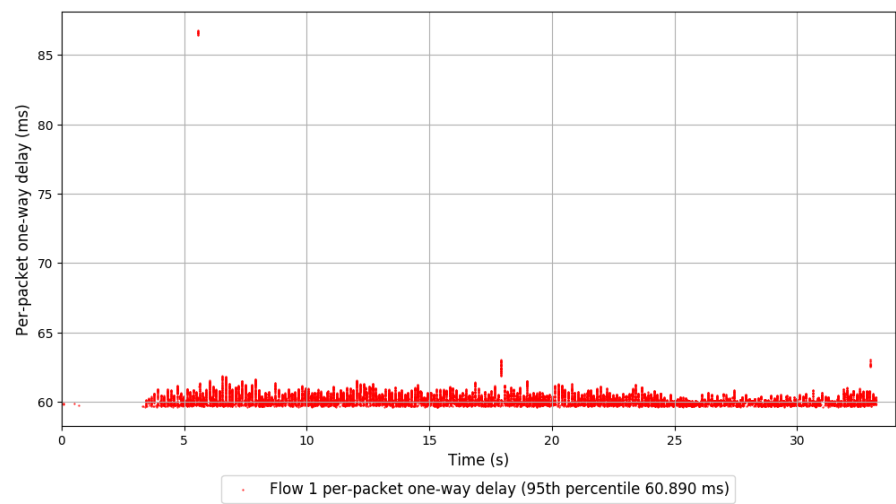
Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 6.44 Mbit/s)   Flow 1 egress (mean 6.44 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 60.498 ms)

```
Run 5: Statistics of Sprout

Start at: Tue, 13 Jun 2017 19:38:10 +0000
End at: Tue, 13 Jun 2017 19:38:40 +0000
Local clock offset: 4.256 ms
Remote clock offset: 2.456 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 60.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 60.890 ms
Loss rate: 0.00%
```
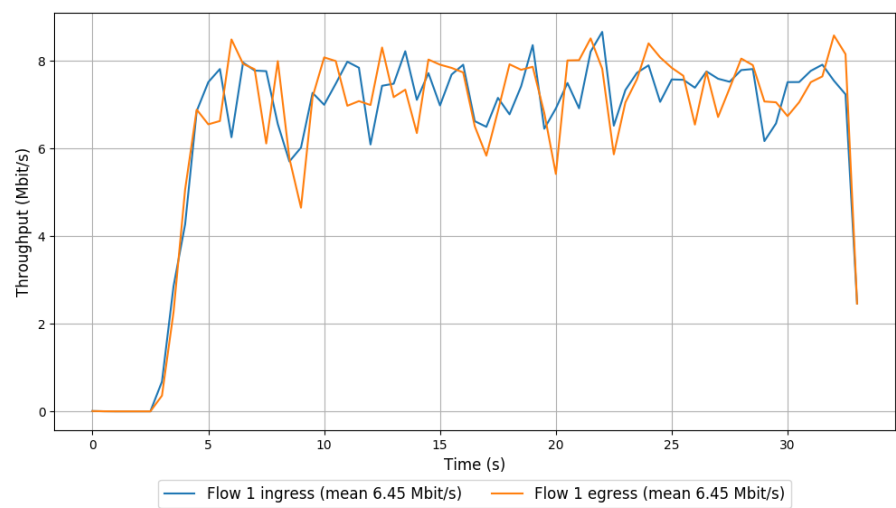
Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: Tue, 13 Jun 2017 19:55:52 +0000
End at: Tue, 13 Jun 2017 19:56:22 +0000
Local clock offset: 3.889 ms
Remote clock offset: -3.719 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 65.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.13 Mbit/s
95th percentile per-packet one-way delay: 65.132 ms
Loss rate: 0.00%
```
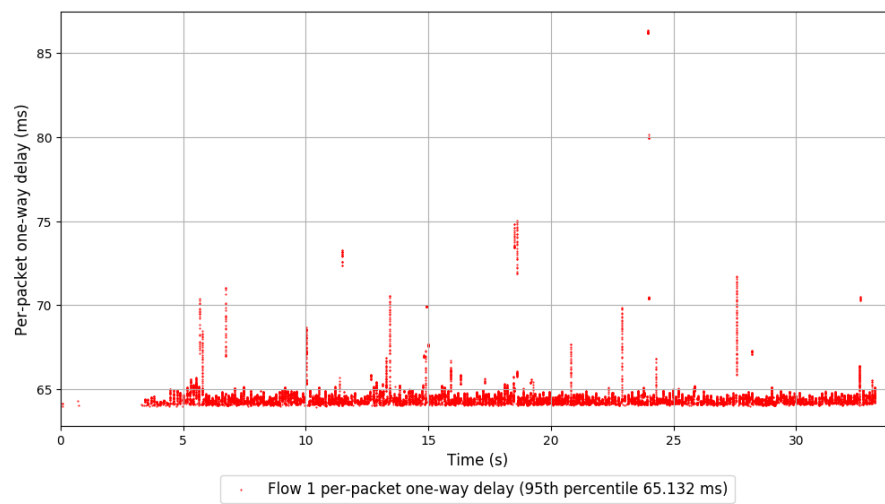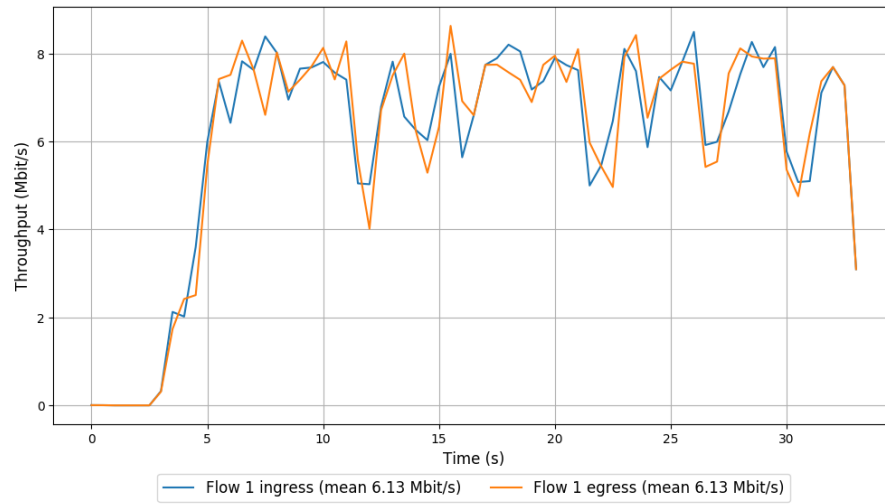
Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: Tue, 13 Jun 2017 20:13:31 +0000
End at: Tue, 13 Jun 2017 20:14:01 +0000
Local clock offset: 4.341 ms
Remote clock offset: -4.199 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 65.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 65.777 ms
Loss rate: 0.00%
```
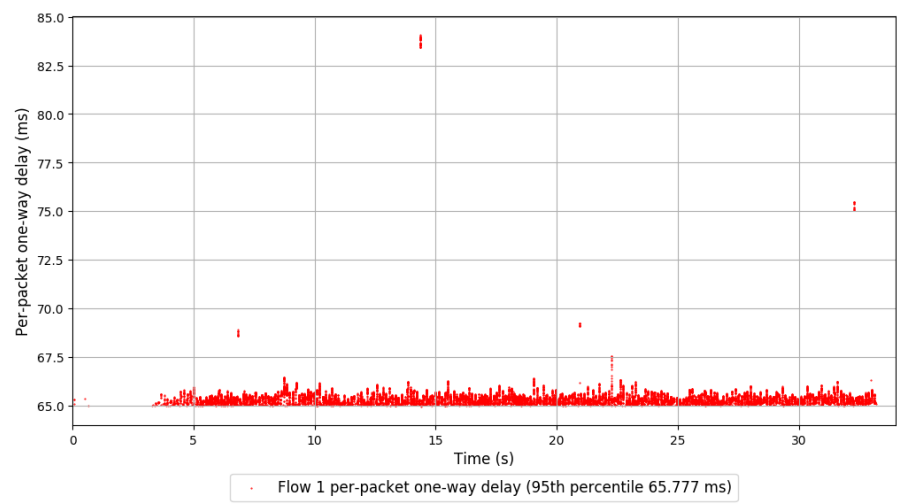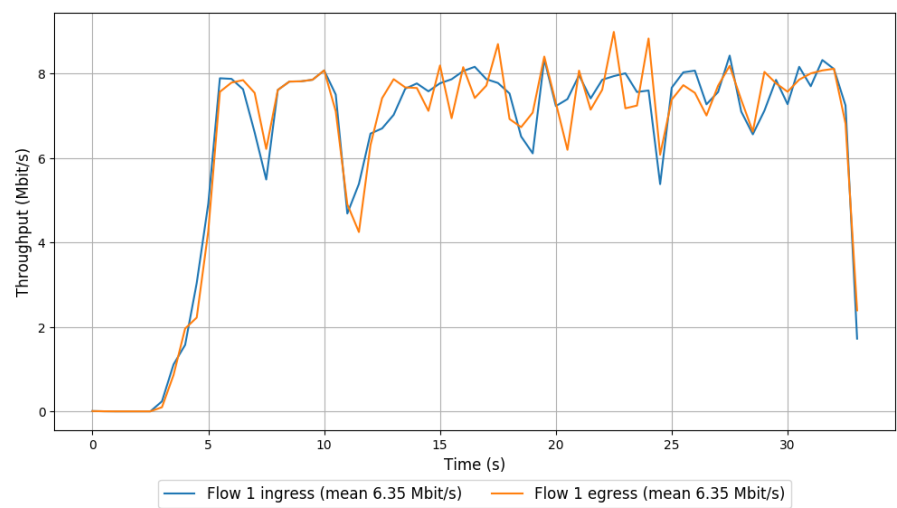
Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 6.35 Mbit/s)   Flow 1 egress (mean 6.35 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 65.777 ms)

```
Run 8: Statistics of Sprout

Start at: Tue, 13 Jun 2017 20:30:56 +0000
End at: Tue, 13 Jun 2017 20:31:26 +0000
Local clock offset: 4.28 ms
Remote clock offset: -5.441 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:48:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 85.367 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 85.367 ms
Loss rate: 0.32%
```
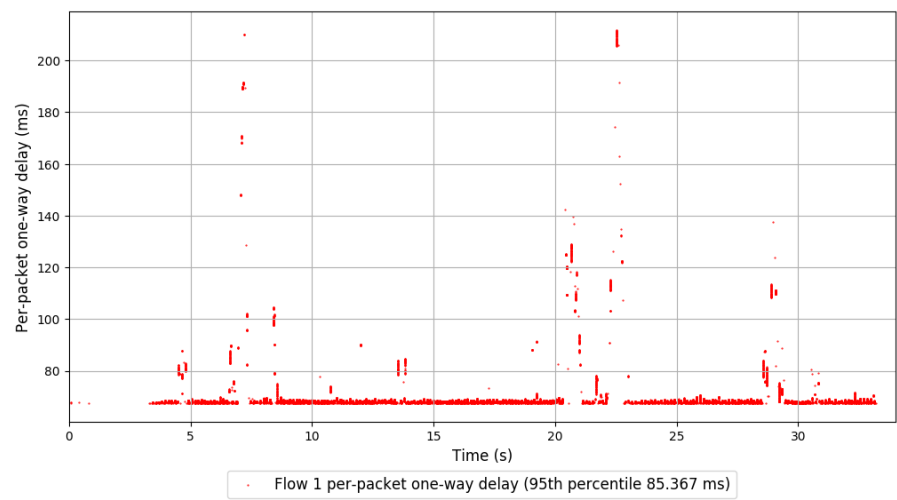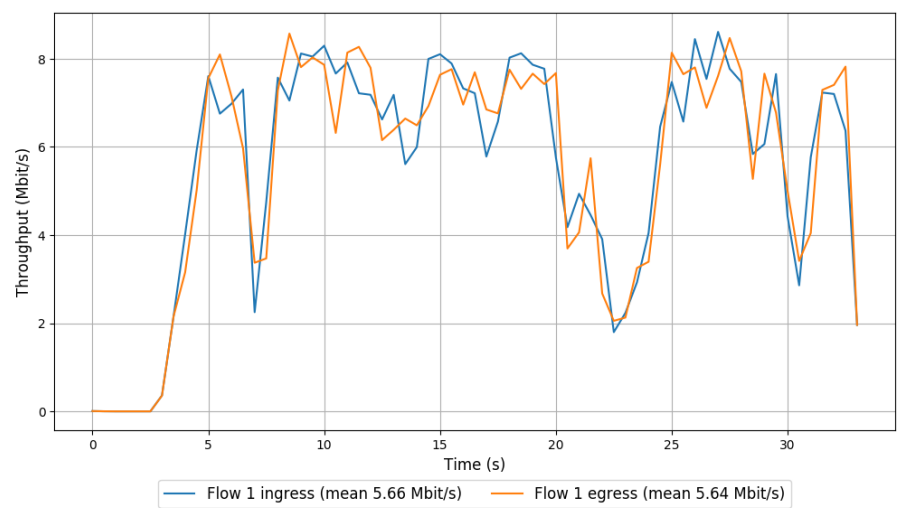
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: Tue, 13 Jun 2017 20:48:39 +0000
End at: Tue, 13 Jun 2017 20:49:09 +0000
Local clock offset: 4.046 ms
Remote clock offset: -9.767 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:49:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 70.695 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 70.695 ms
Loss rate: 0.00%
```
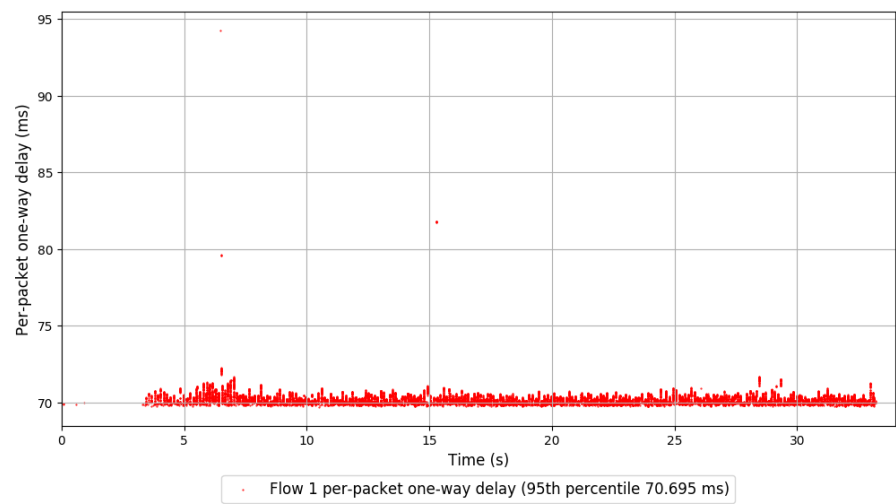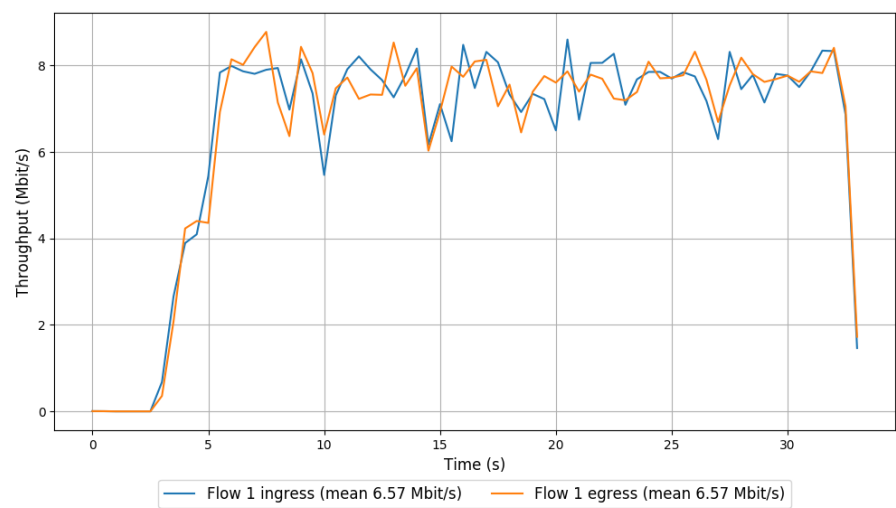
Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 6.57 Mbit/s) ——— Flow 1 egress (mean 6.57 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 70.695 ms)

```
Run 10: Statistics of Sprout

Start at: Tue, 13 Jun 2017 21:06:01 +0000
End at: Tue, 13 Jun 2017 21:06:31 +0000
Local clock offset: 3.778 ms
Remote clock offset: -8.493 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:49:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: 71.630 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.02 Mbit/s
95th percentile per-packet one-way delay: 71.630 ms
Loss rate: 0.00%
```
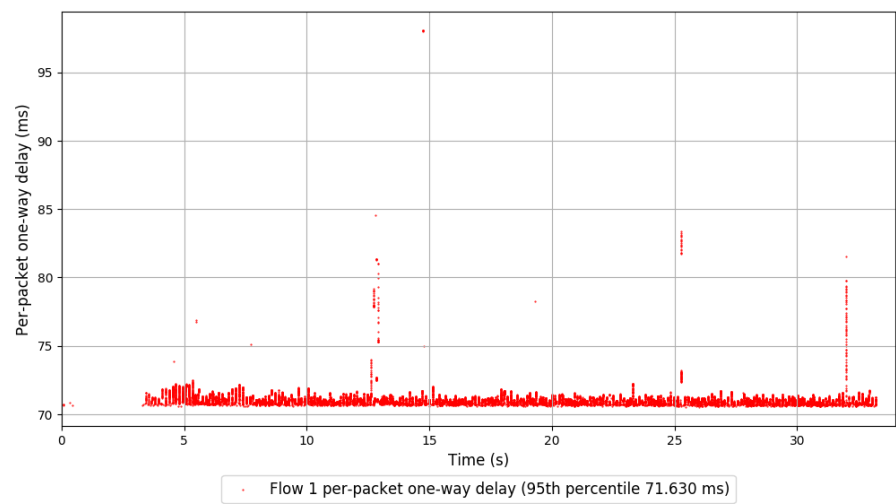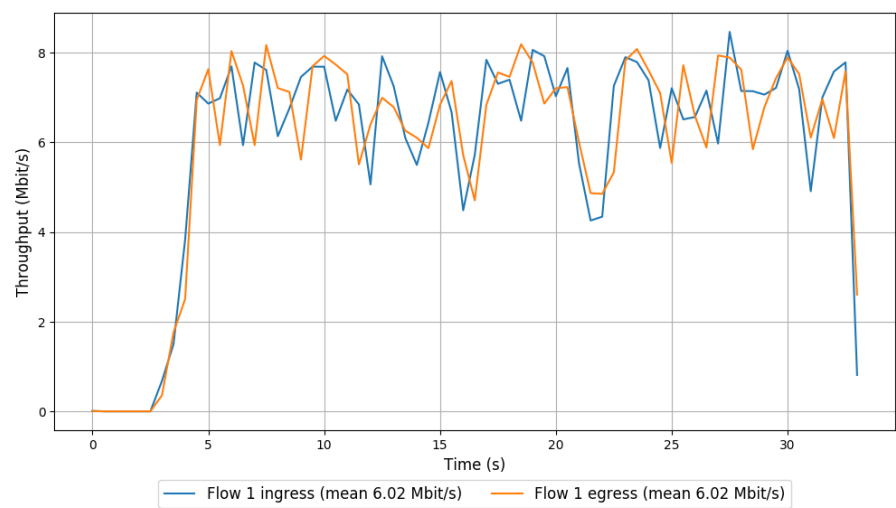
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 6.02 Mbit/s) — Flow 1 egress (mean 6.02 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 71.630 ms)

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

Start at: Tue, 13 Jun 2017 18:33:46 +0000
End at: Tue, 13 Jun 2017 18:34:16 +0000
Local clock offset: 7.255 ms
Remote clock offset: 2.108 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:49:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.50 Mbit/s
95th percentile per-packet one-way delay: 98.335 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 60.50 Mbit/s
95th percentile per-packet one-way delay: 98.335 ms
Loss rate: 0.05%
```
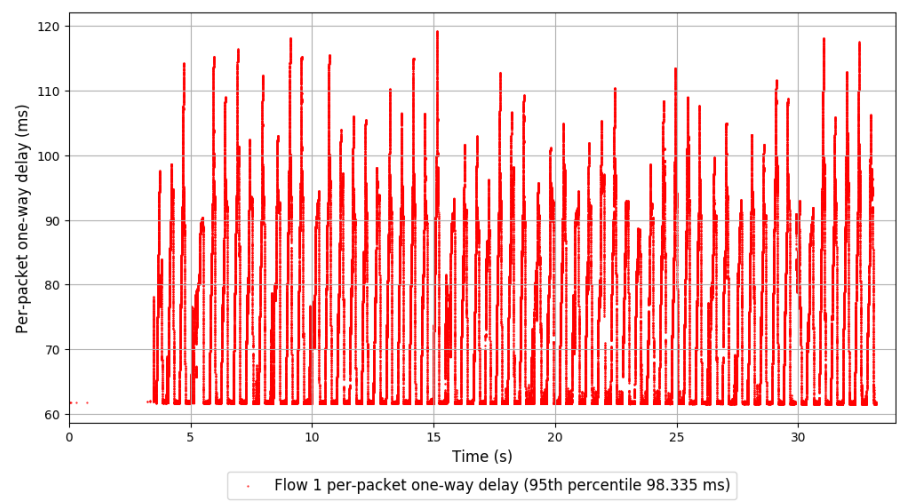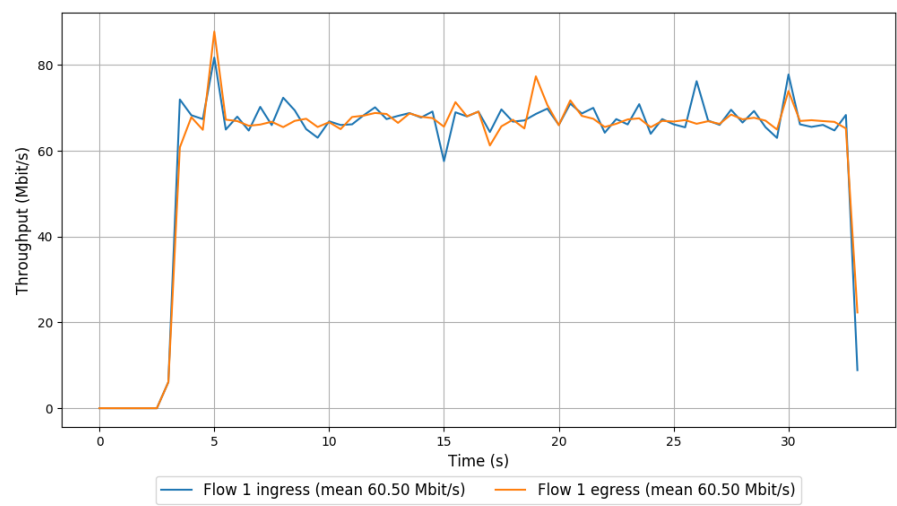
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 60.50 Mbit/s)   Flow 1 egress (mean 60.50 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 98.335 ms)
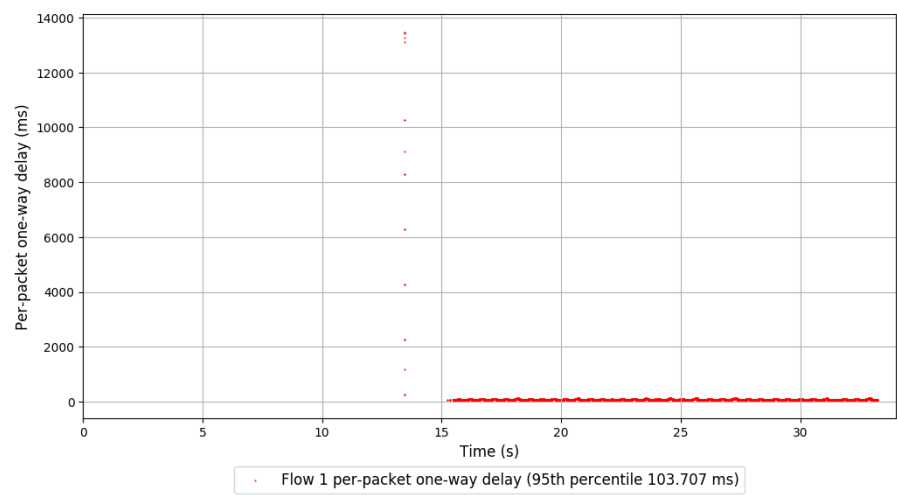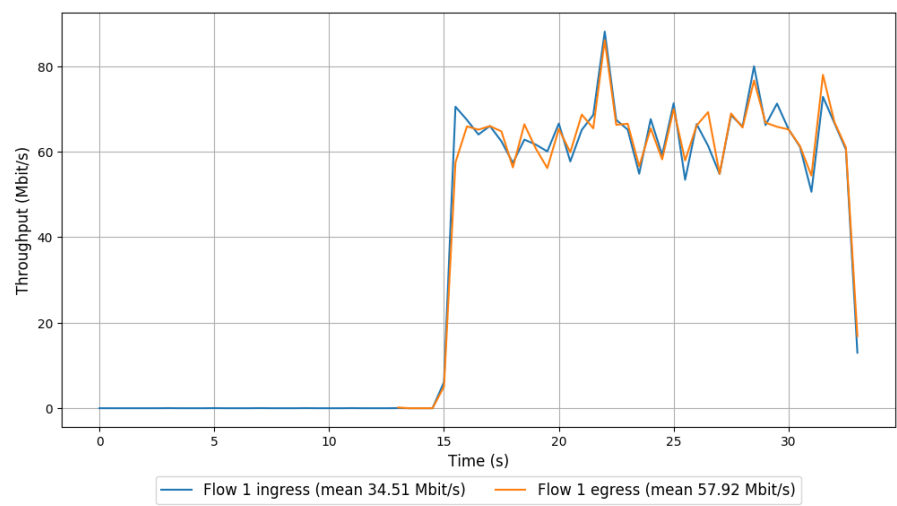
```
Run 2: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 18:51:23 +0000
End at: Tue, 13 Jun 2017 18:51:53 +0000
Local clock offset: 5.349 ms
Remote clock offset: 2.387 ms
```

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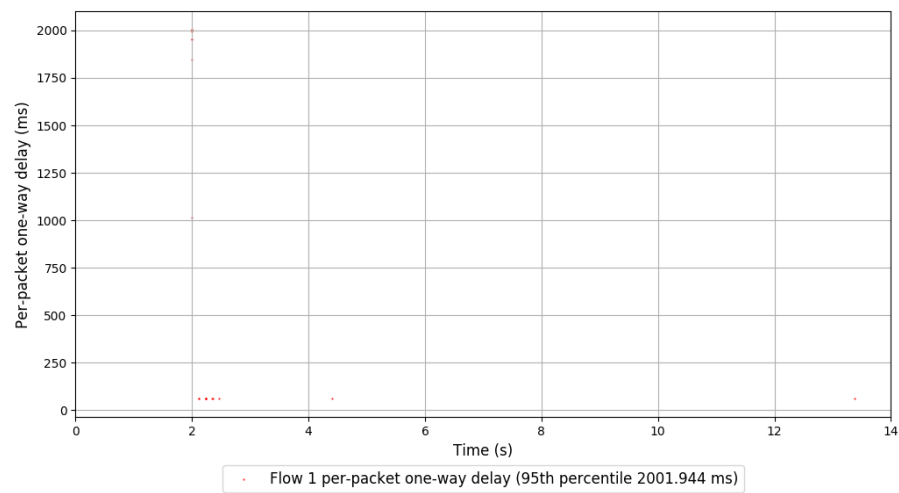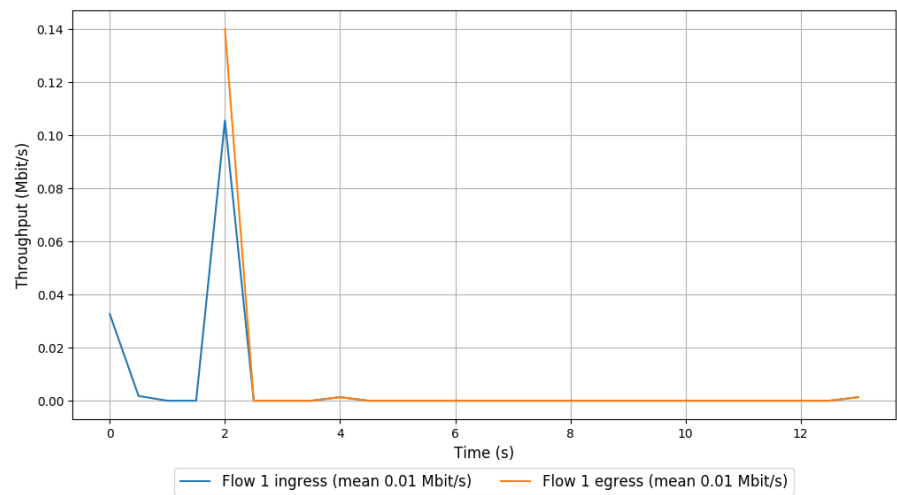

227

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

Start at: Tue, 13 Jun 2017 19:09:04 +0000
End at: Tue, 13 Jun 2017 19:09:34 +0000
Local clock offset: 5.362 ms
Remote clock offset: 3.046 ms
```

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

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

Flow 1 per-packet one-way delay (95th percentile 2001.944 ms)

229

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

Start at: Tue, 13 Jun 2017 19:26:27 +0000
End at: Tue, 13 Jun 2017 19:26:57 +0000
Local clock offset: 4.609 ms
Remote clock offset: 2.682 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 00:49:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 103.254 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 56.55 Mbit/s
95th percentile per-packet one-way delay: 103.254 ms
Loss rate: 0.43%
```
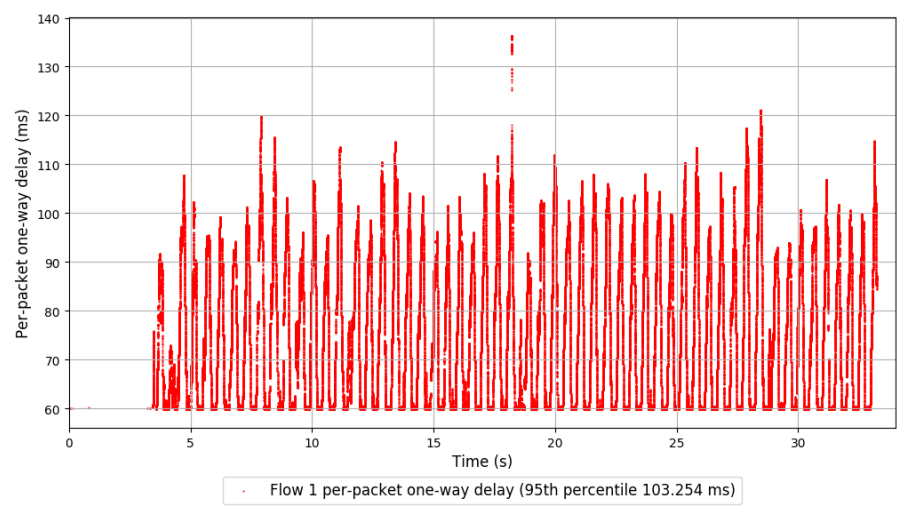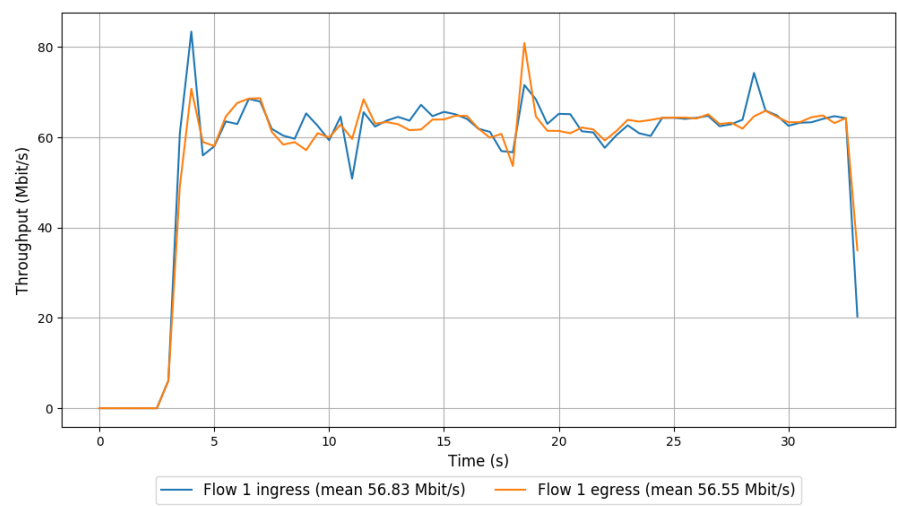
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 56.83 Mbit/s)   Flow 1 egress (mean 56.55 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 103.254 ms)

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

Start at: Tue, 13 Jun 2017 19:44:06 +0000
End at: Tue, 13 Jun 2017 19:44:36 +0000
Local clock offset: 4.016 ms
Remote clock offset: 1.426 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:49:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 95.092 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 61.99 Mbit/s
95th percentile per-packet one-way delay: 95.092 ms
Loss rate: 0.02%
```
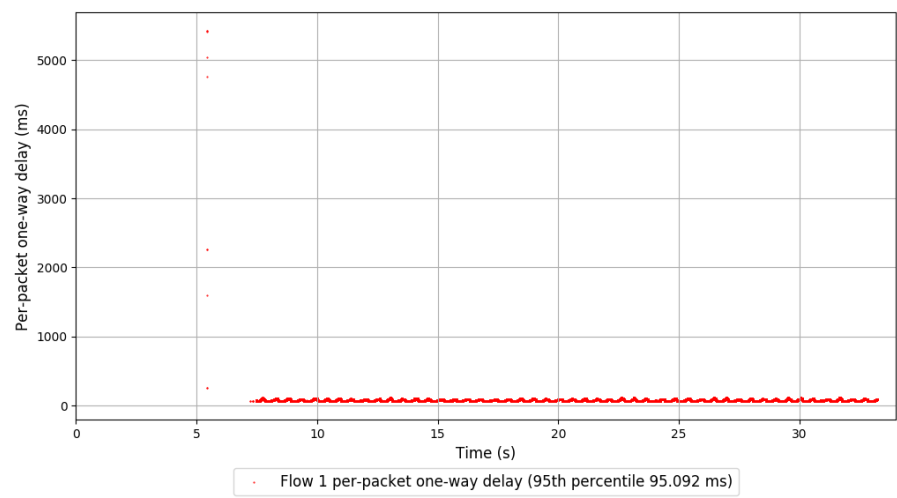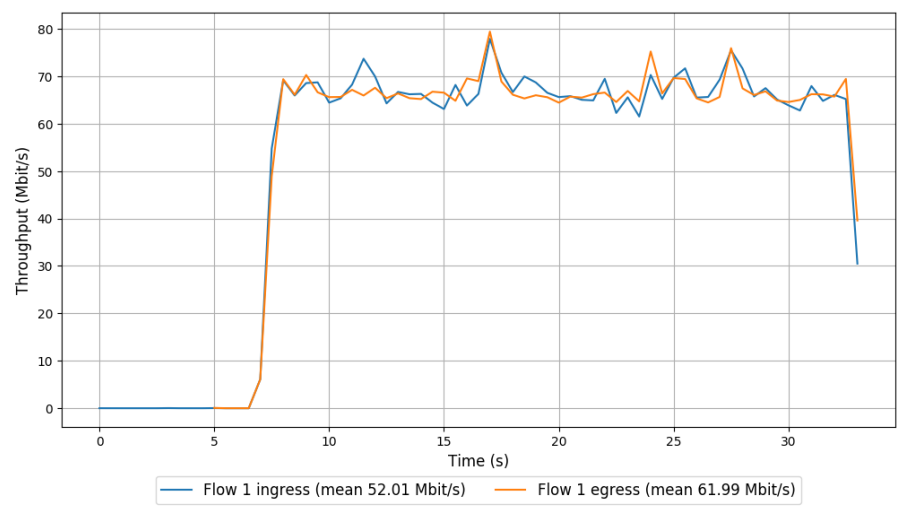
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 52.01 Mbit/s)   Flow 1 egress (mean 61.99 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 95.092 ms)

233

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

Start at: Tue, 13 Jun 2017 20:01:50 +0000
End at: Tue, 13 Jun 2017 20:02:20 +0000
Local clock offset: 4.056 ms
Remote clock offset: -3.61 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:49:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 112.848 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 55.24 Mbit/s
95th percentile per-packet one-way delay: 112.848 ms
Loss rate: 0.54%
```
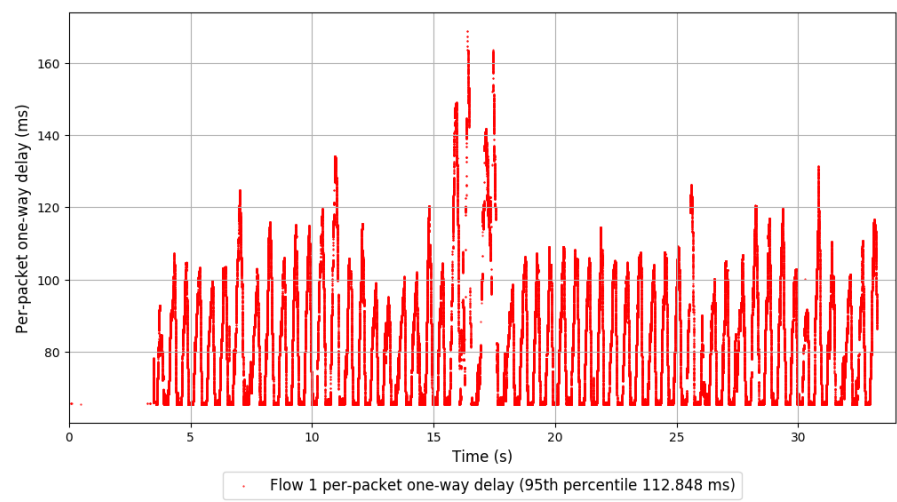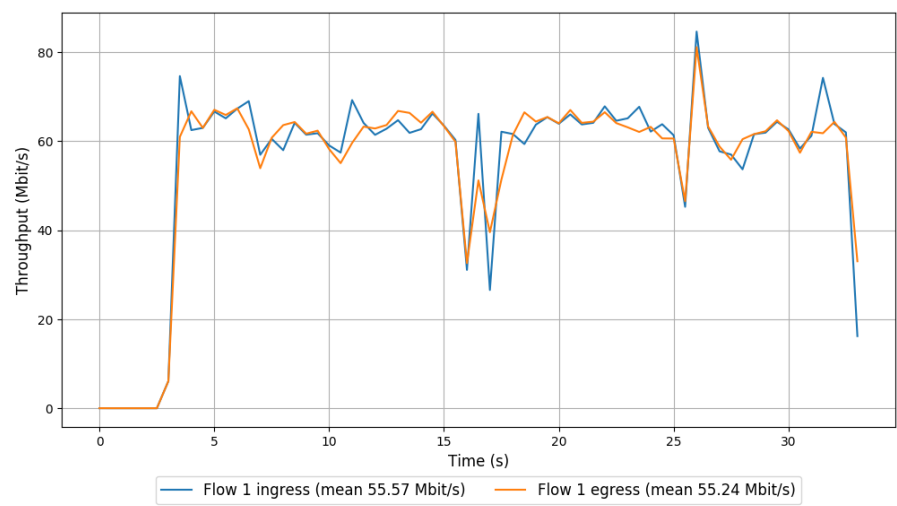
Run 6: Report of TaoVA-100x — Data Link

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

Start at: Tue, 13 Jun 2017 20:19:19 +0000
End at: Tue, 13 Jun 2017 20:19:49 +0000
Local clock offset: 4.178 ms
Remote clock offset: -4.325 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:49:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 101.784 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 61.07 Mbit/s
95th percentile per-packet one-way delay: 101.784 ms
Loss rate: 0.01%
```
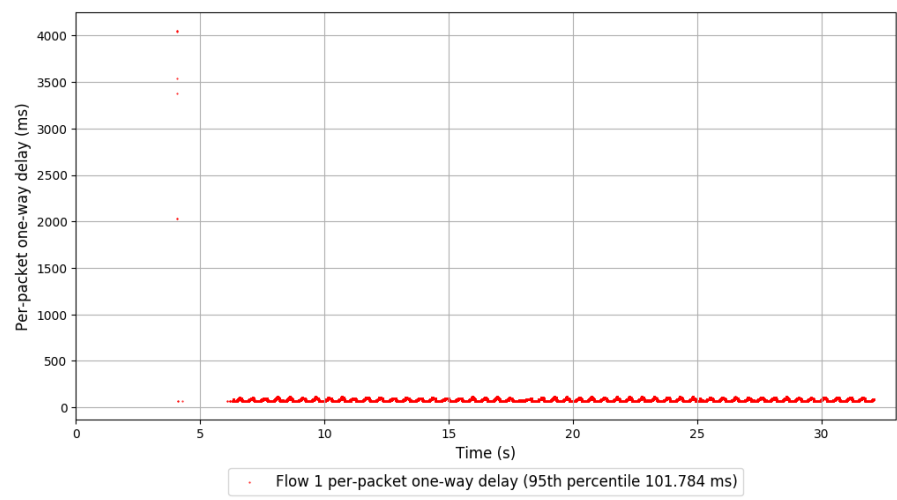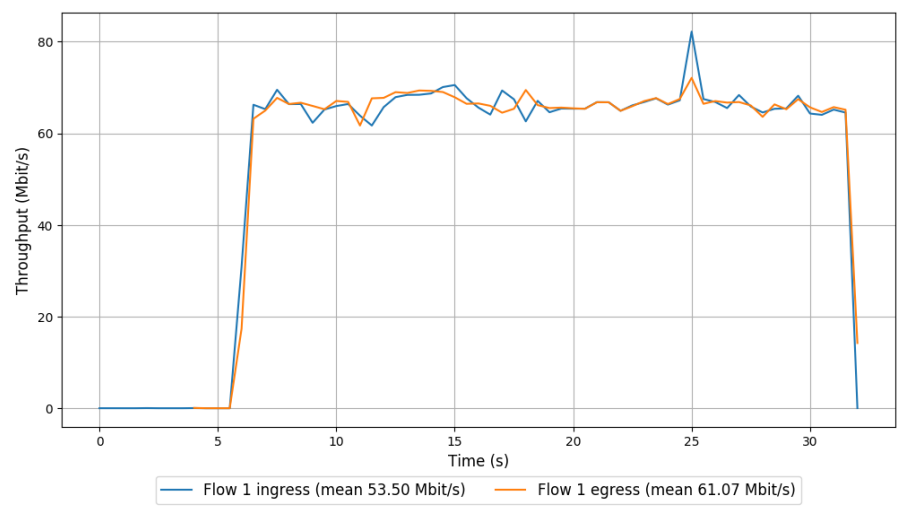
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 53.50 Mbit/s) — Flow 1 egress (mean 61.07 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 101.784 ms)

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

Start at: Tue, 13 Jun 2017 20:36:51 +0000
End at: Tue, 13 Jun 2017 20:37:21 +0000
Local clock offset: 4.168 ms
Remote clock offset: -6.135 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:49:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 111.410 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 60.83 Mbit/s
95th percentile per-packet one-way delay: 111.410 ms
Loss rate: 0.12%
```
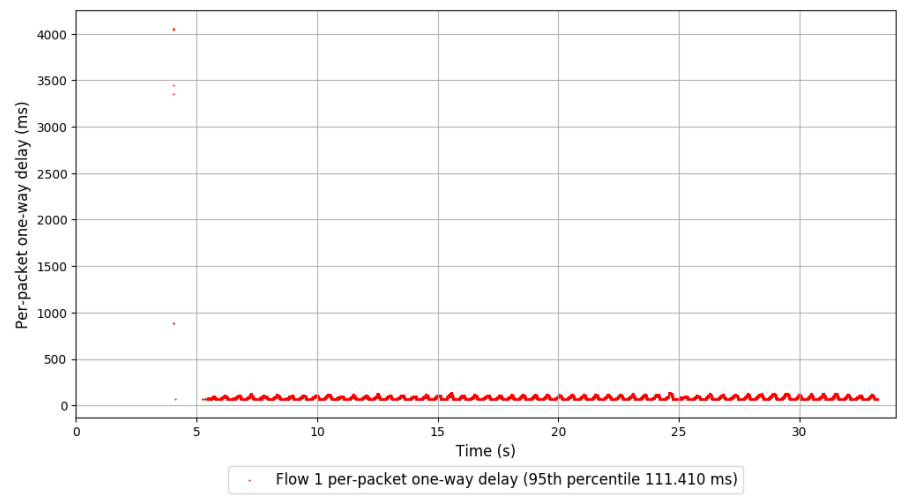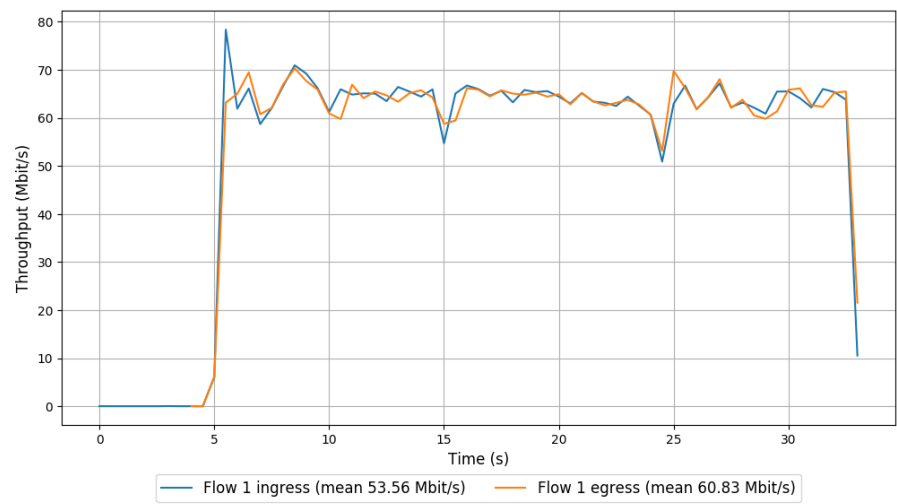
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 53.56 Mbit/s)   Flow 1 egress (mean 60.83 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 111.410 ms)

239

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

Start at: Tue, 13 Jun 2017 20:54:21 +0000
End at: Tue, 13 Jun 2017 20:54:51 +0000
Local clock offset: 3.84 ms
Remote clock offset: -9.419 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:49:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 71.349 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 71.349 ms
Loss rate: 0.00%
```
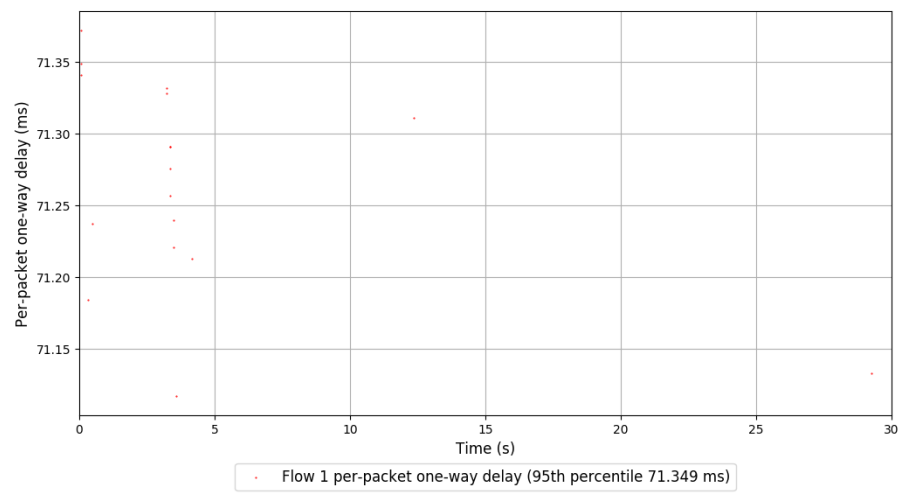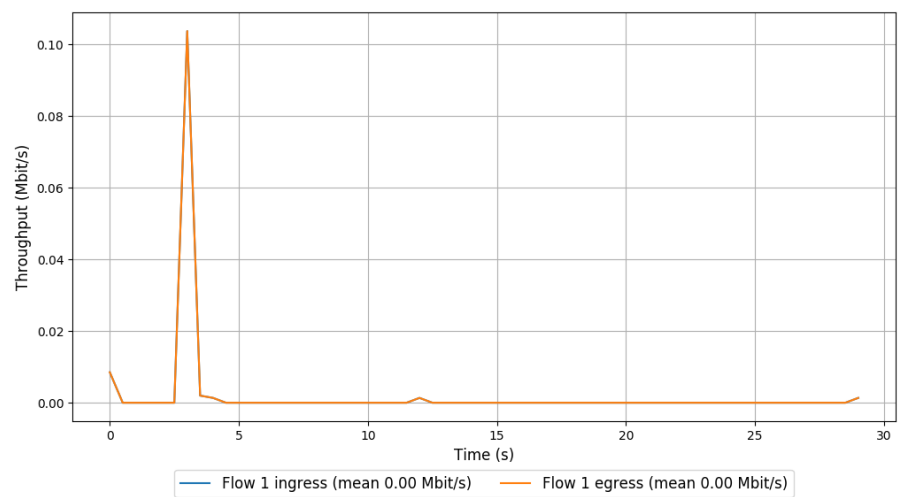
Run 9: Report of TaoVA-100x — Data Link

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 71.349 ms)
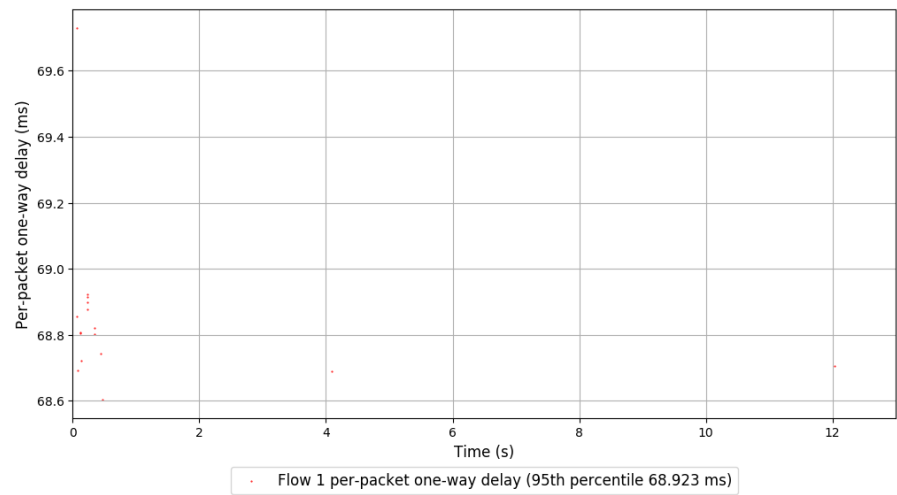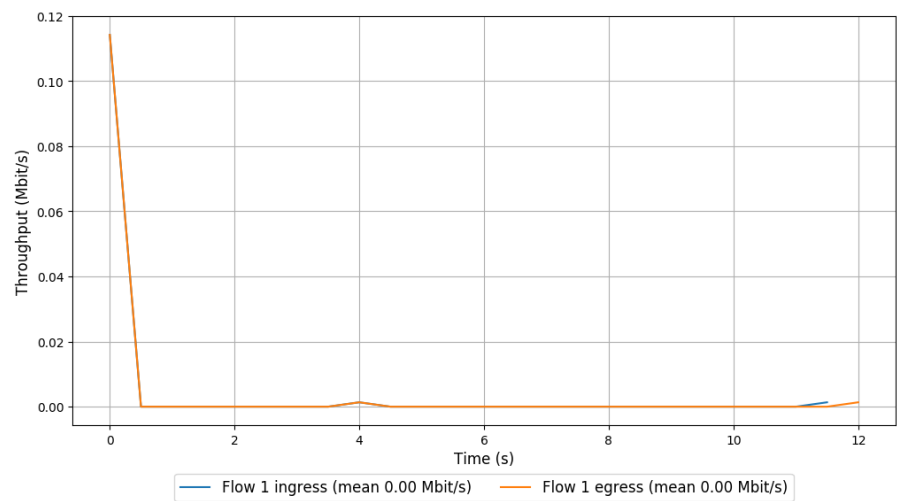
Run 10: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 21:11:46 +0000
End at: Tue, 13 Jun 2017 21:12:16 +0000
Local clock offset: 3.649 ms
Remote clock offset: -8.418 ms

Run 10: Report of TaoVA-100x — Data Link

```
Run 1: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 18:26:43 +0000
End at: Tue, 13 Jun 2017 18:27:14 +0000
Local clock offset: 7.494 ms
Remote clock offset: 1.679 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:49:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 195.131 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 195.131 ms
Loss rate: 0.04%
```
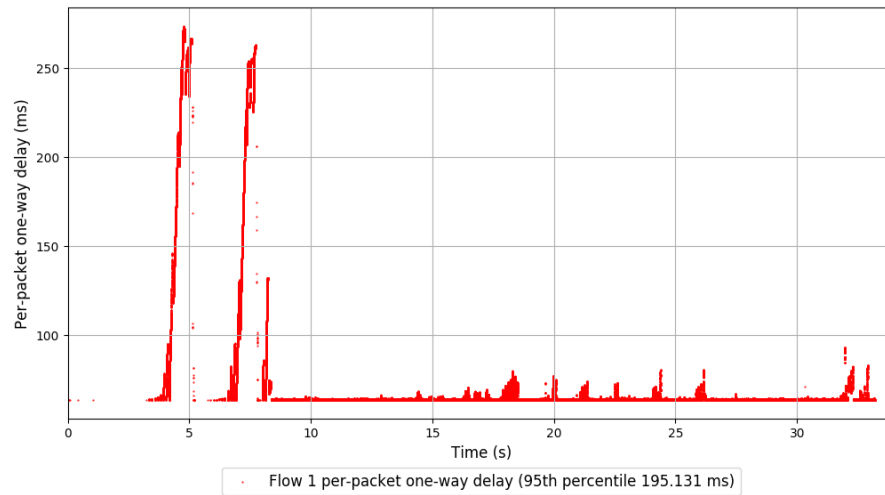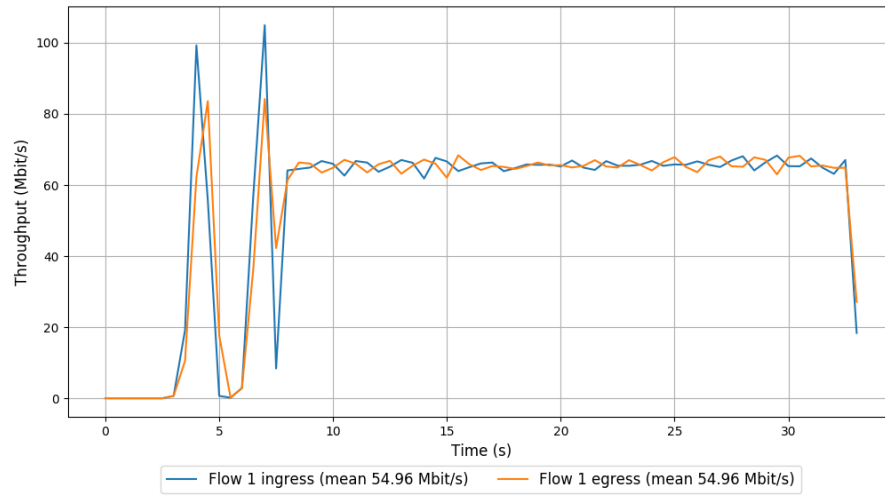
Run 1: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 54.96 Mbit/s)   Flow 1 egress (mean 54.96 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 195.131 ms)

```
Run 2: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 18:44:18 +0000
End at: Tue, 13 Jun 2017 18:44:48 +0000
Local clock offset: 5.548 ms
Remote clock offset: 2.496 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:50:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 242.936 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 242.936 ms
Loss rate: 0.00%
```
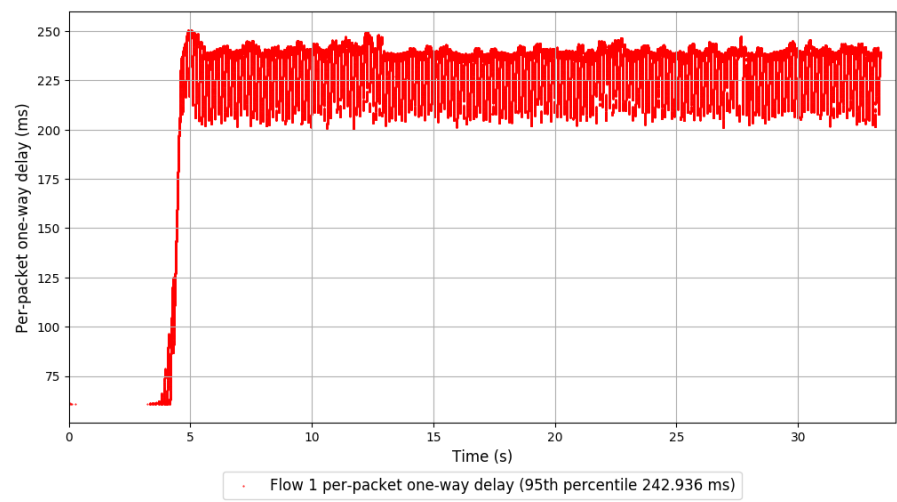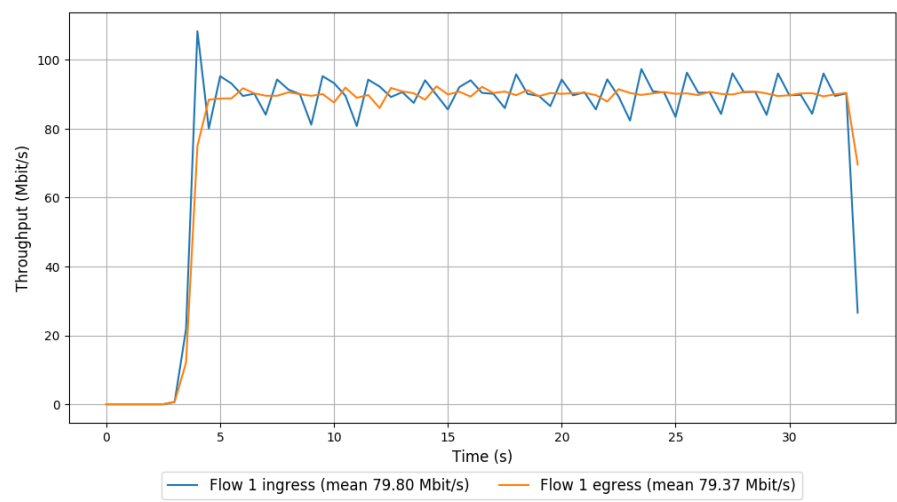
Run 2: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 79.80 Mbit/s) —— Flow 1 egress (mean 79.37 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 242.936 ms)
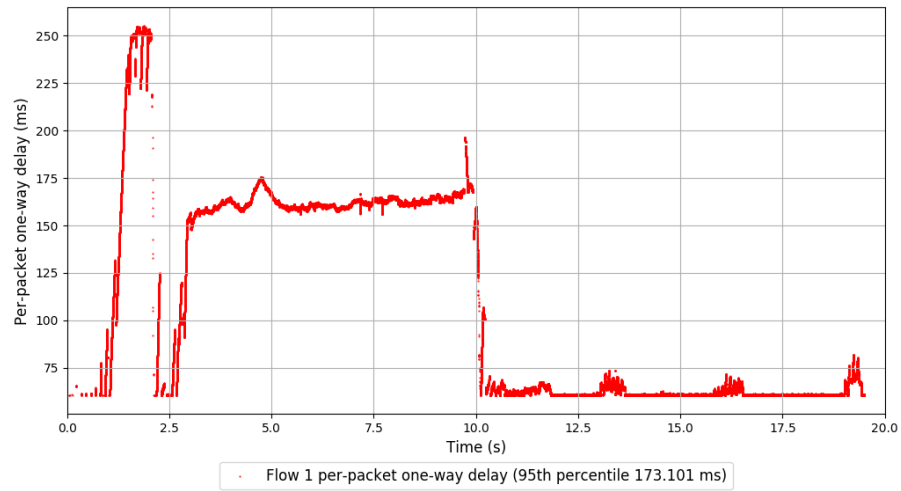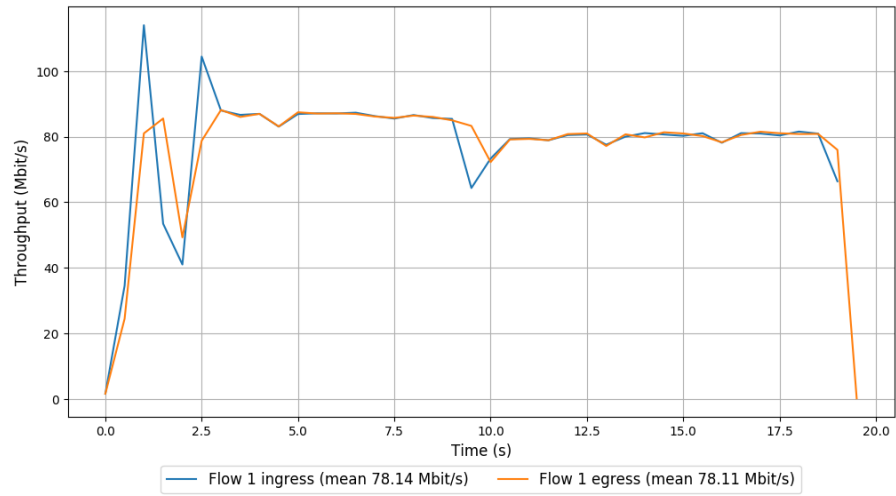
Run 3: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 19:01:52 +0000
End at: Tue, 13 Jun 2017 19:02:22 +0000
Local clock offset: 5.496 ms
Remote clock offset: 2.94 ms

Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 78.14 Mbit/s)   Flow 1 egress (mean 78.11 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 173.101 ms)

```
Run 4: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 19:19:29 +0000
End at: Tue, 13 Jun 2017 19:19:59 +0000
Local clock offset: 4.852 ms
Remote clock offset: 2.432 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:50:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.68 Mbit/s
95th percentile per-packet one-way delay: 163.544 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 52.68 Mbit/s
95th percentile per-packet one-way delay: 163.544 ms
Loss rate: 0.03%
```
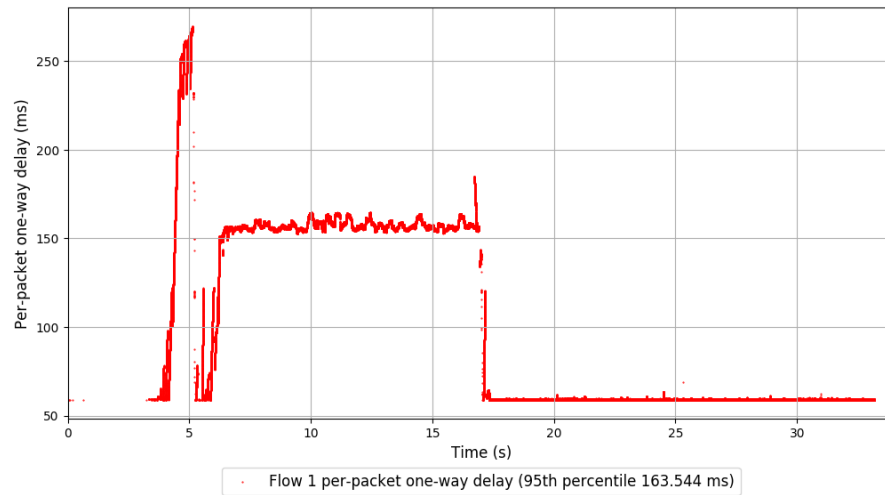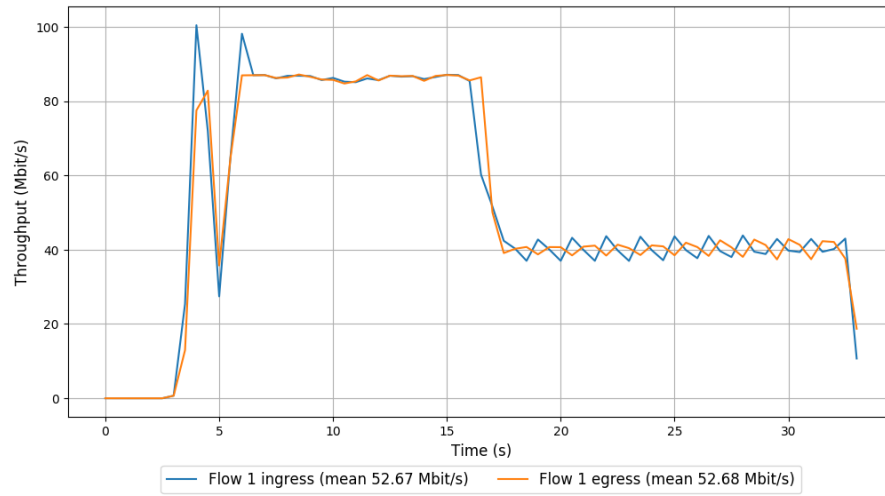
Run 4: Report of TCP Vegas — Data Link
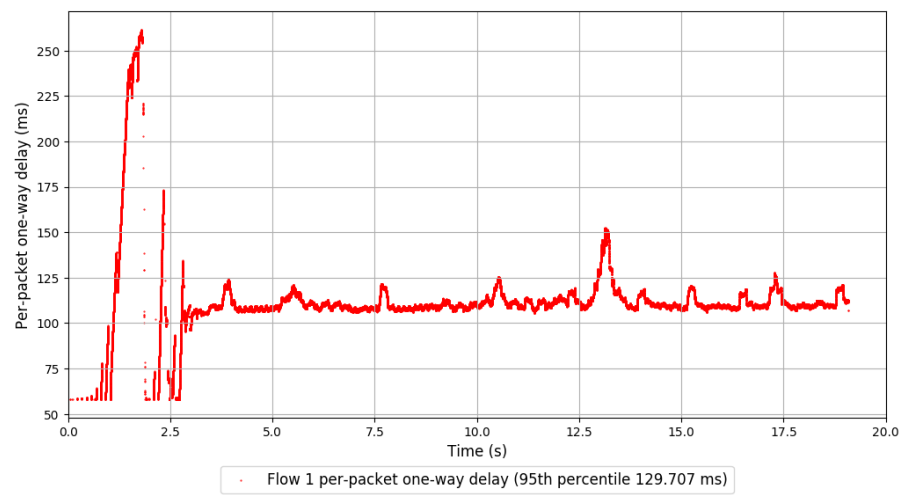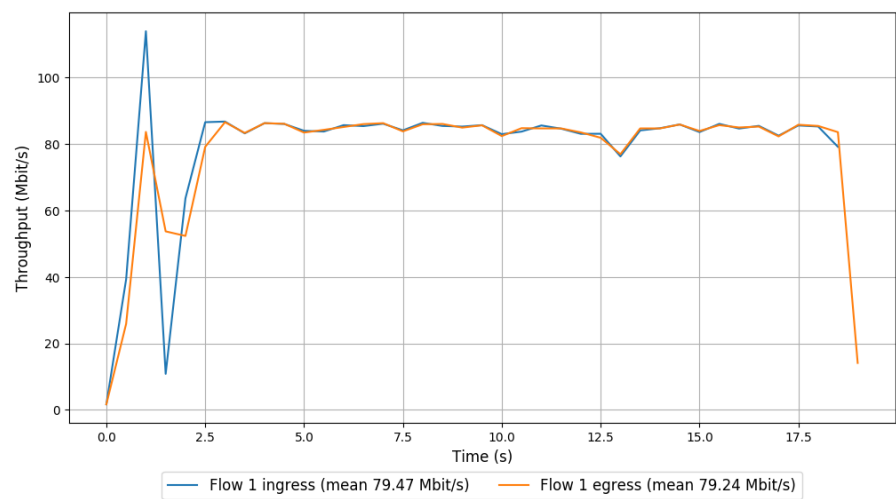
Run 5: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 19:36:59 +0000
End at: Tue, 13 Jun 2017 19:37:29 +0000
Local clock offset: 4.273 ms
Remote clock offset: 2.719 ms

Run 5: Report of TCP Vegas — Data Link

```
Run 6: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 19:54:39 +0000
End at: Tue, 13 Jun 2017 19:55:09 +0000
Local clock offset: 3.847 ms
Remote clock offset: -2.772 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:50:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 139.337 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 139.337 ms
Loss rate: 0.04%
```
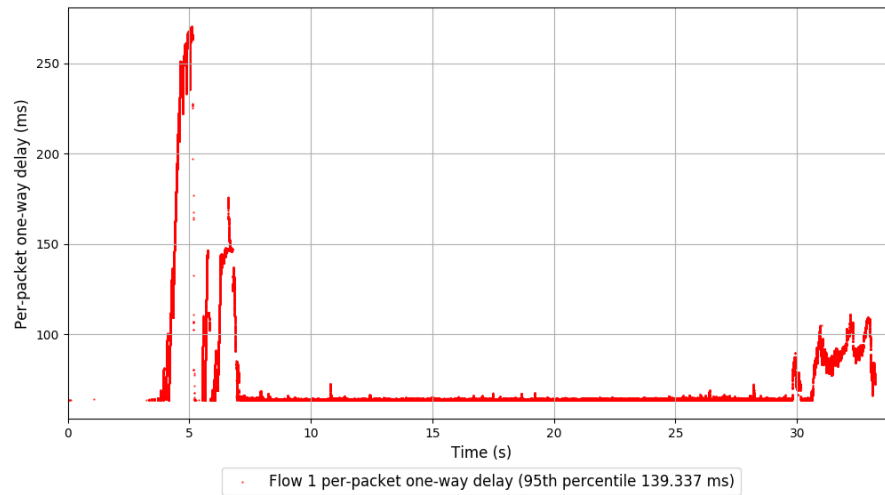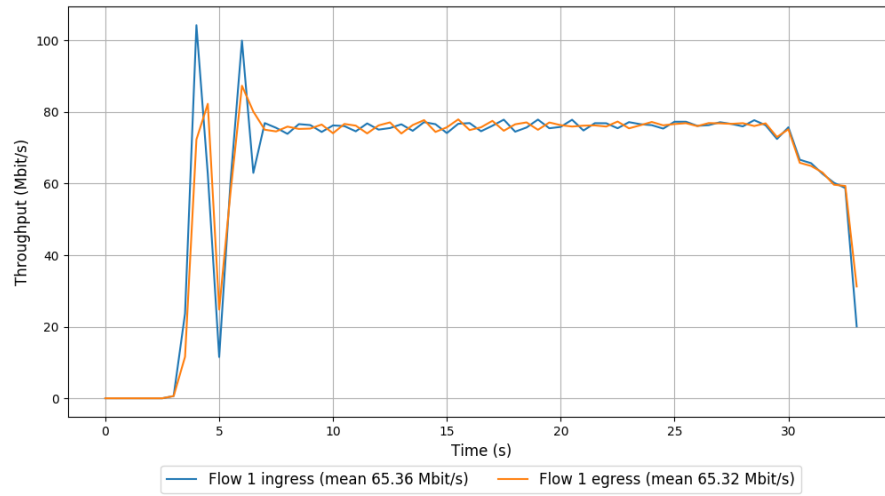
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 65.36 Mbit/s) —— Flow 1 egress (mean 65.32 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 139.337 ms)

255

```
Run 7: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 20:12:20 +0000
End at: Tue, 13 Jun 2017 20:12:50 +0000
Local clock offset: 4.318 ms
Remote clock offset: -4.419 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:50:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 126.905 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 126.905 ms
Loss rate: 0.04%
```
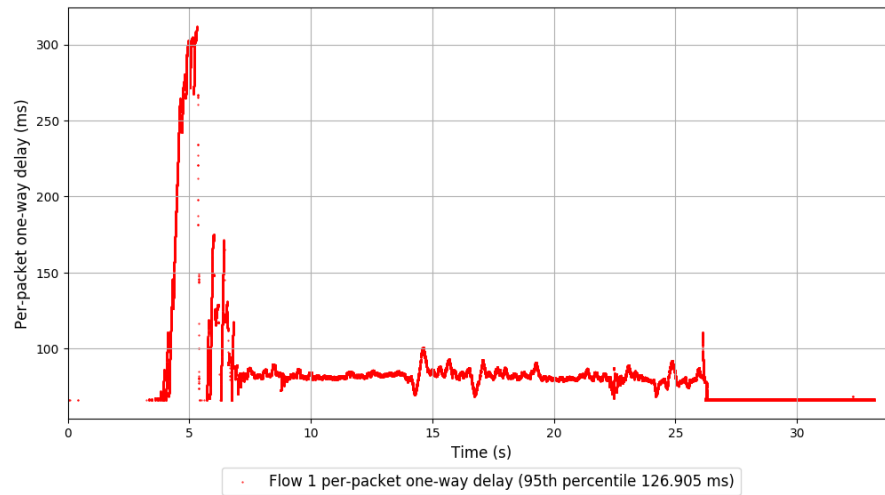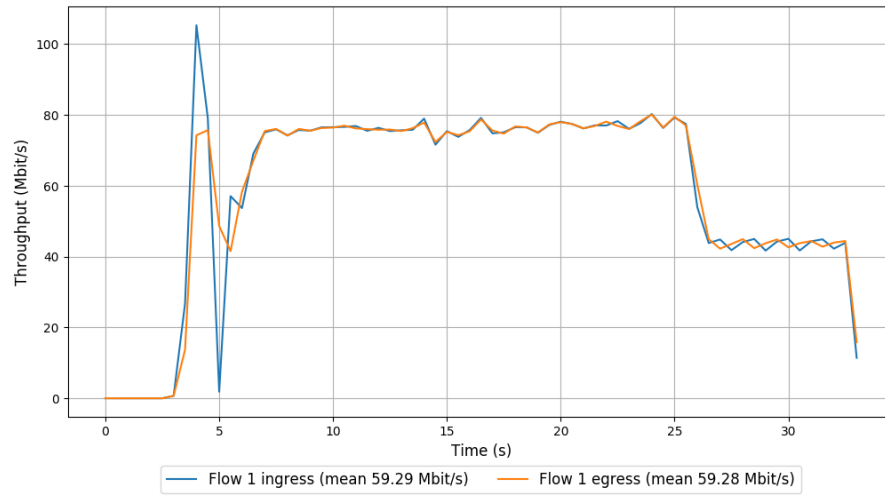
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 59.29 Mbit/s)   Flow 1 egress (mean 59.28 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 126.905 ms)

```
Run 8: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 20:29:48 +0000
End at: Tue, 13 Jun 2017 20:30:18 +0000
Local clock offset: 4.286 ms
Remote clock offset: -5.795 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:50:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 224.288 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 224.288 ms
Loss rate: 0.52%
```
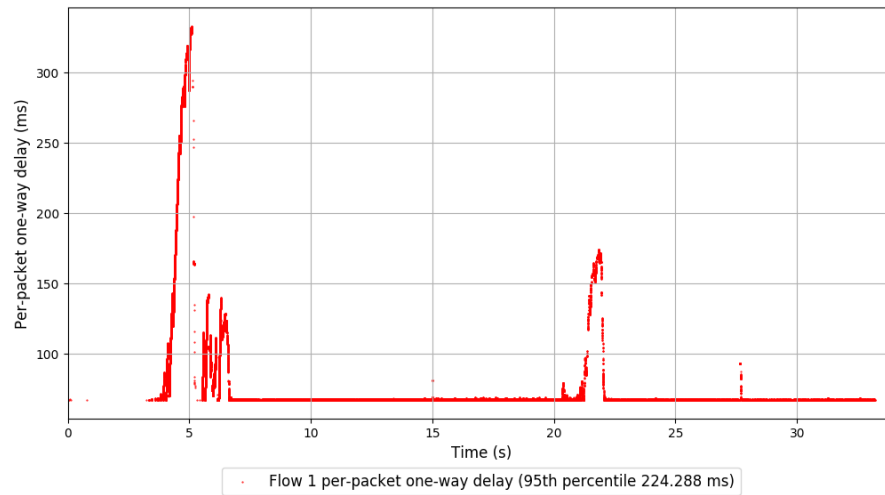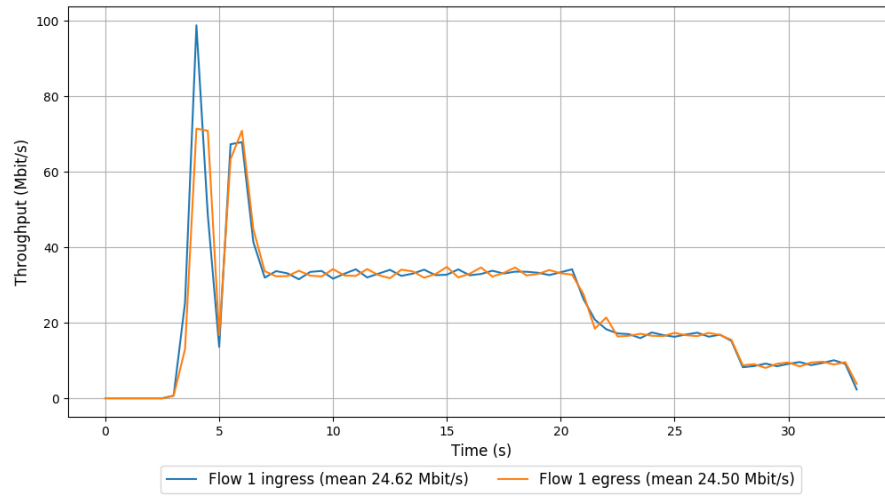
Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 20:47:28 +0000
End at: Tue, 13 Jun 2017 20:47:58 +0000
Local clock offset: 3.948 ms
Remote clock offset: -9.214 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:50:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.15 Mbit/s
95th percentile per-packet one-way delay: 104.361 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 55.15 Mbit/s
95th percentile per-packet one-way delay: 104.361 ms
Loss rate: 0.14%
```
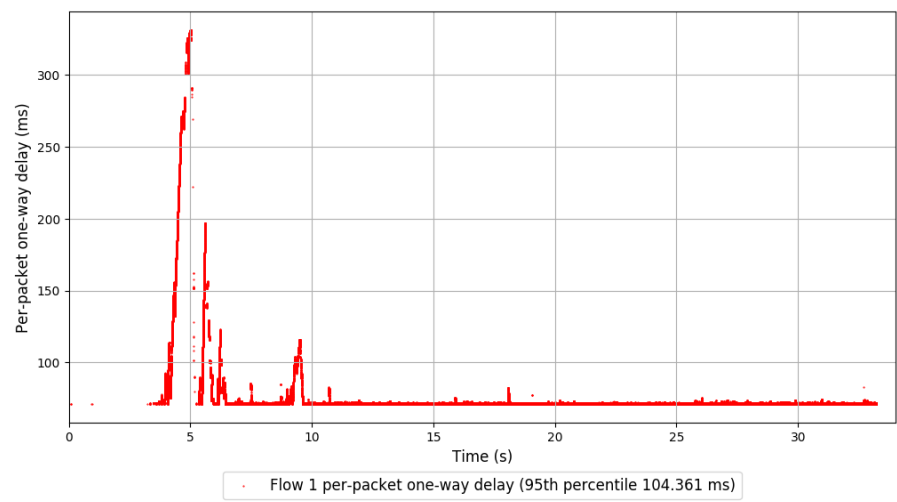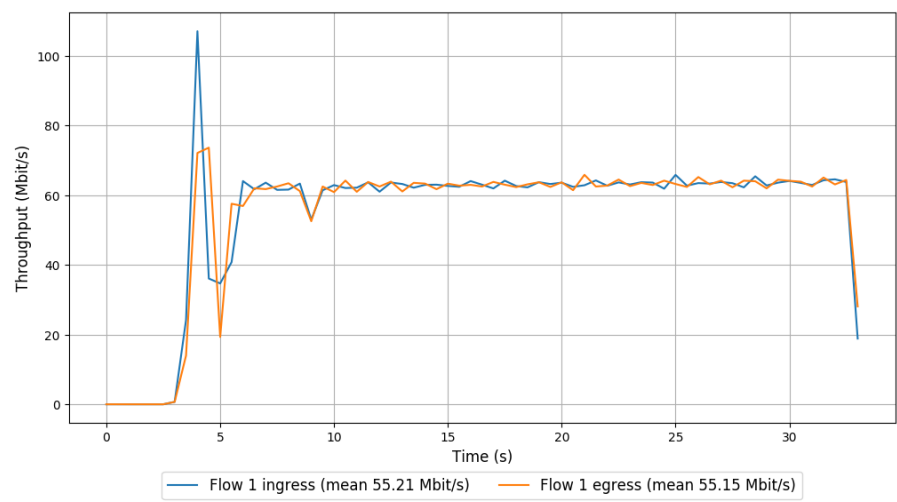
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 55.21 Mbit/s) — Flow 1 egress (mean 55.15 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 104.361 ms)

```
Run 10: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 21:04:52 +0000
End at: Tue, 13 Jun 2017 21:05:22 +0000
Local clock offset: 3.67 ms
Remote clock offset: -8.698 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:50:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 130.316 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 32.33 Mbit/s
95th percentile per-packet one-way delay: 130.316 ms
Loss rate: 0.28%
```
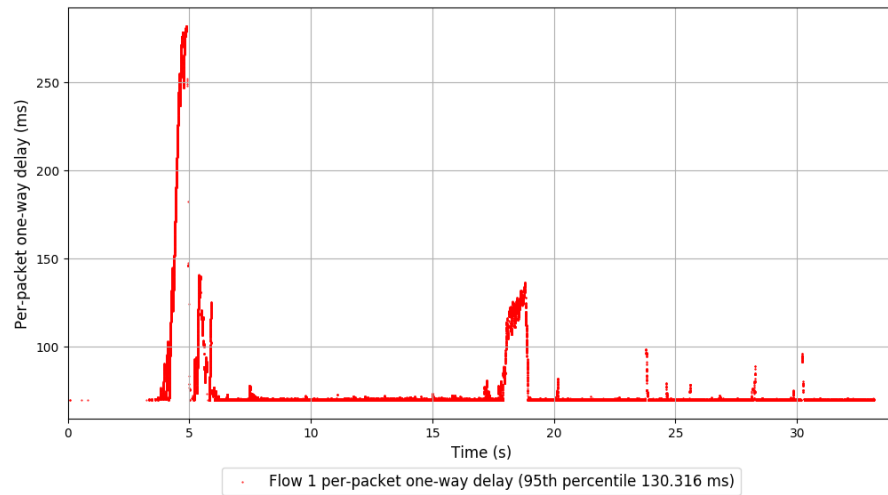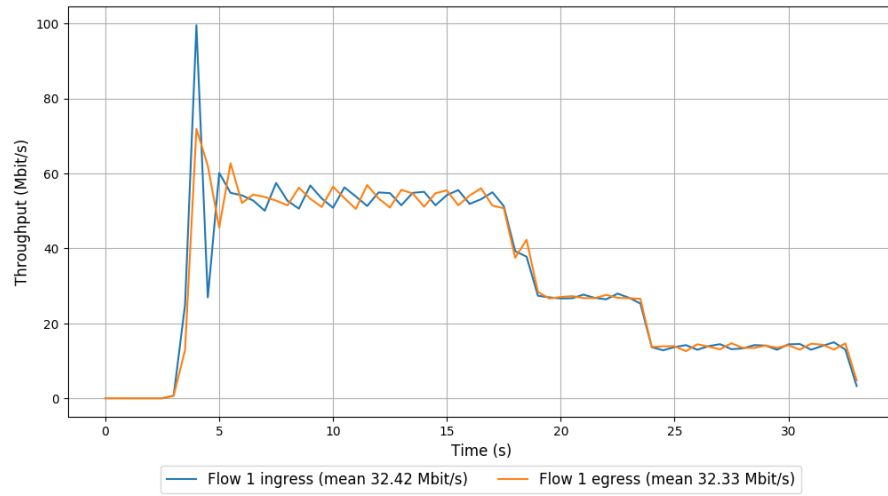
Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 32.42 Mbit/s)   Flow 1 egress (mean 32.33 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 130.316 ms)

```
Run 1: Statistics of Verus

Start at: Tue, 13 Jun 2017 18:32:24 +0000
End at: Tue, 13 Jun 2017 18:32:54 +0000
Local clock offset: 7.211 ms
Remote clock offset: 2.069 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:50:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 673.277 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 673.277 ms
Loss rate: 0.14%
```
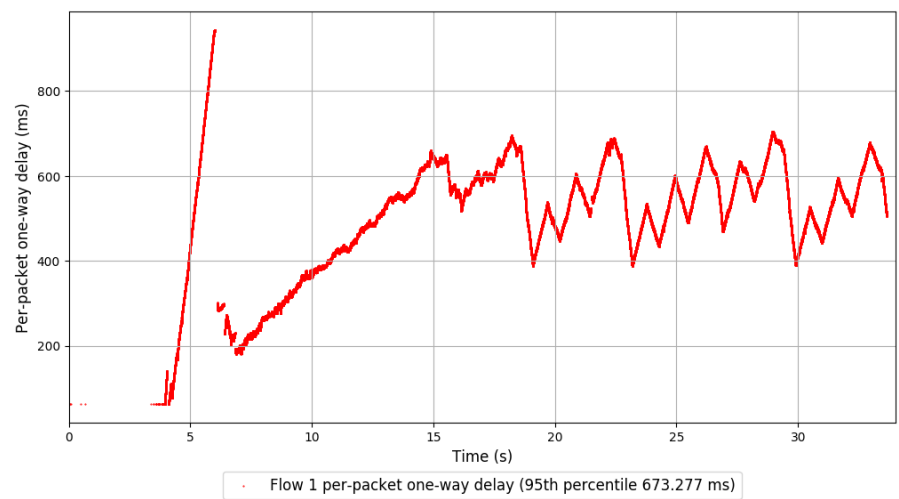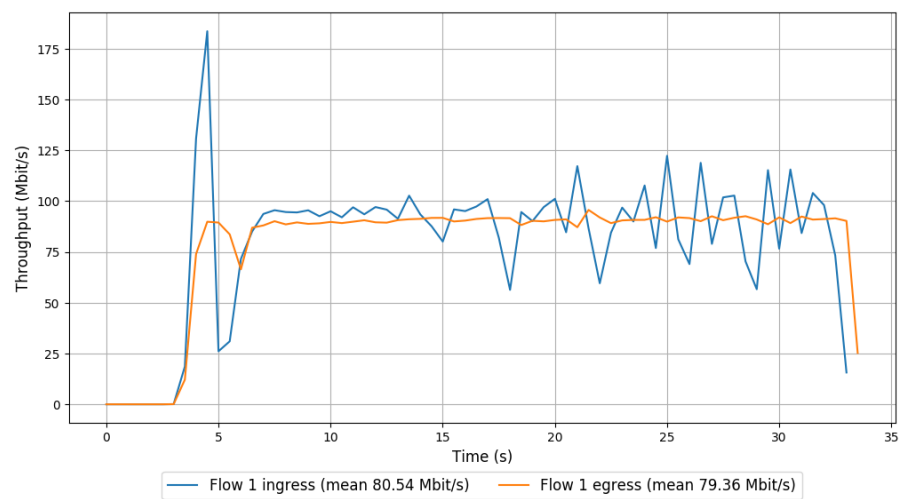
Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 80.54 Mbit/s)　　Flow 1 egress (mean 79.36 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 673.277 ms)

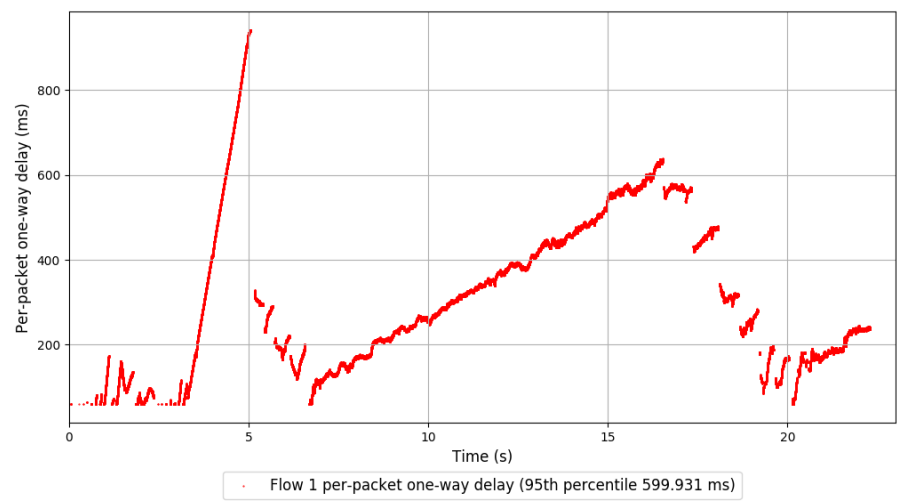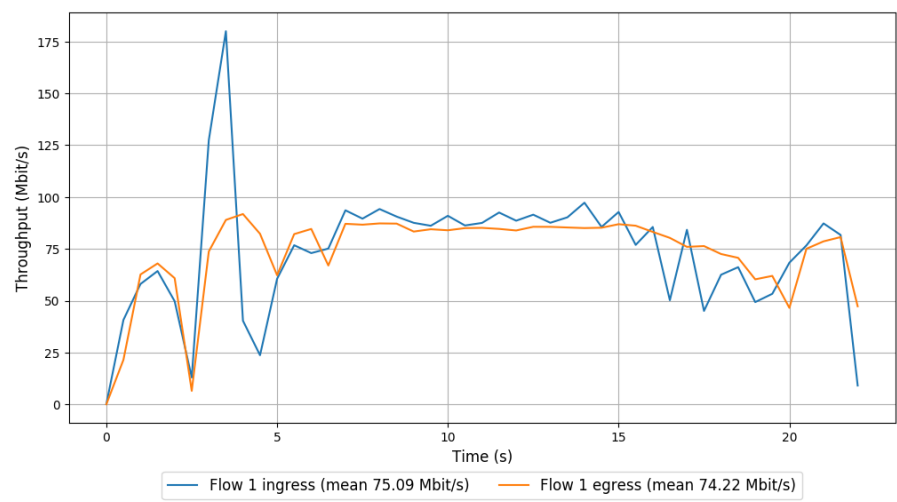```
Run 2: Statistics of Verus

Start at: Tue, 13 Jun 2017 18:50:12 +0000
End at: Tue, 13 Jun 2017 18:50:42 +0000
Local clock offset: 5.332 ms
Remote clock offset: 2.037 ms
```

Run 2: Report of Verus — Data Link



Flow 1 ingress (mean 75.09 Mbit/s) — Flow 1 egress (mean 74.22 Mbit/s)



·  Flow 1 per-packet one-way delay (95th percentile 599.931 ms)

```
Run 3: Statistics of Verus

Start at: Tue, 13 Jun 2017 19:07:43 +0000
End at: Tue, 13 Jun 2017 19:08:13 +0000
Local clock offset: 5.444 ms
Remote clock offset: 2.773 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:50:52 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 667.856 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 667.856 ms
Loss rate: 0.17%
```
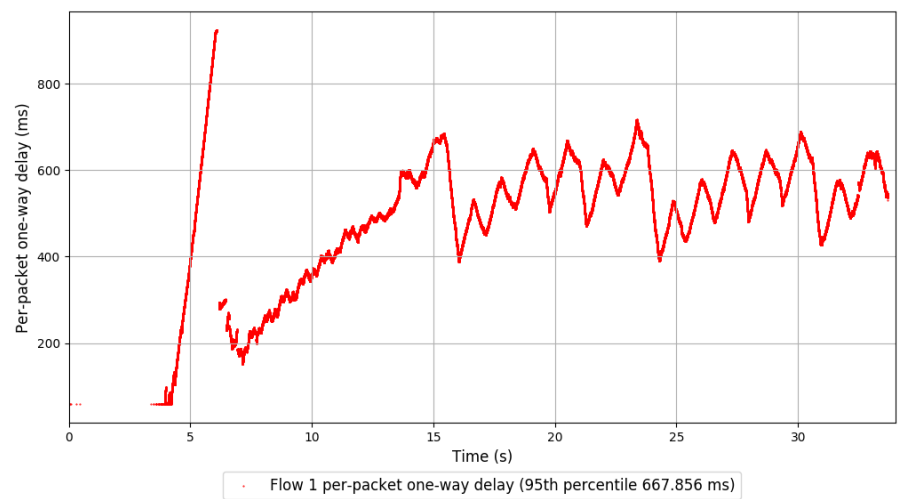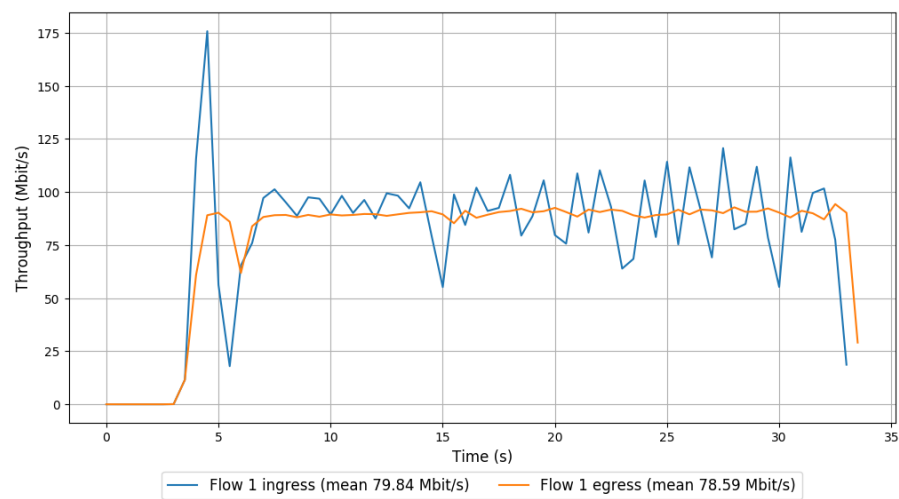
Run 3: Report of Verus — Data Link



Flow 1 ingress (mean 79.84 Mbit/s) ——— Flow 1 egress (mean 78.59 Mbit/s)



·  Flow 1 per-packet one-way delay (95th percentile 667.856 ms)

```
Run 4: Statistics of Verus

Start at: Tue, 13 Jun 2017 19:25:11 +0000
End at: Tue, 13 Jun 2017 19:25:41 +0000
Local clock offset: 4.589 ms
Remote clock offset: 2.48 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:50:53 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 660.963 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 70.15 Mbit/s
95th percentile per-packet one-way delay: 660.963 ms
Loss rate: 0.06%
```
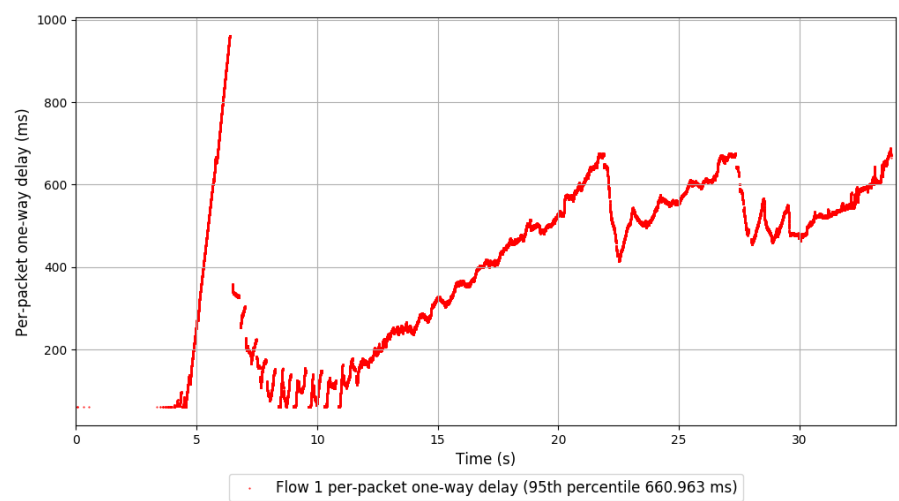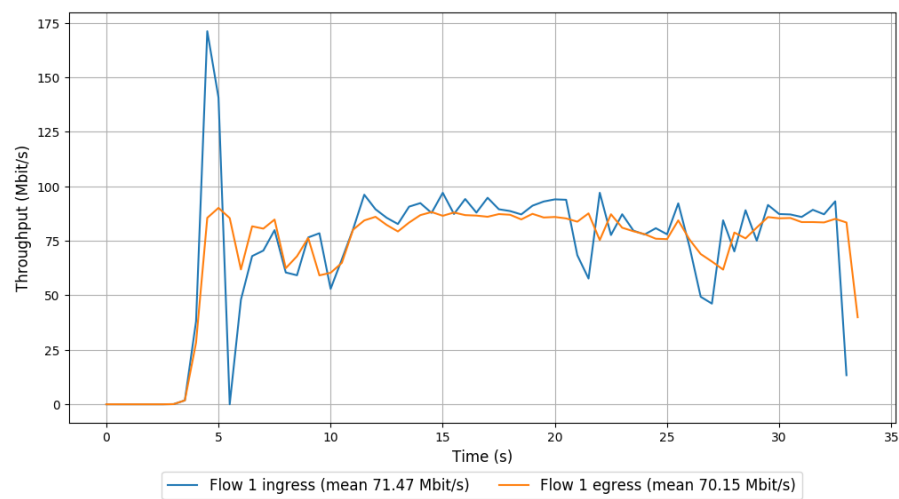
Run 4: Report of Verus — Data Link



Flow 1 ingress (mean 71.47 Mbit/s) —— Flow 1 egress (mean 70.15 Mbit/s)



· Flow 1 per-packet one-way delay (95th percentile 660.963 ms)

```
Run 5: Statistics of Verus

Start at: Tue, 13 Jun 2017 19:42:45 +0000
End at: Tue, 13 Jun 2017 19:43:15 +0000
Local clock offset: 4.107 ms
Remote clock offset: 2.112 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:03 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 74.48 Mbit/s
95th percentile per-packet one-way delay: 528.386 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 74.48 Mbit/s
95th percentile per-packet one-way delay: 528.386 ms
Loss rate: 0.22%
```
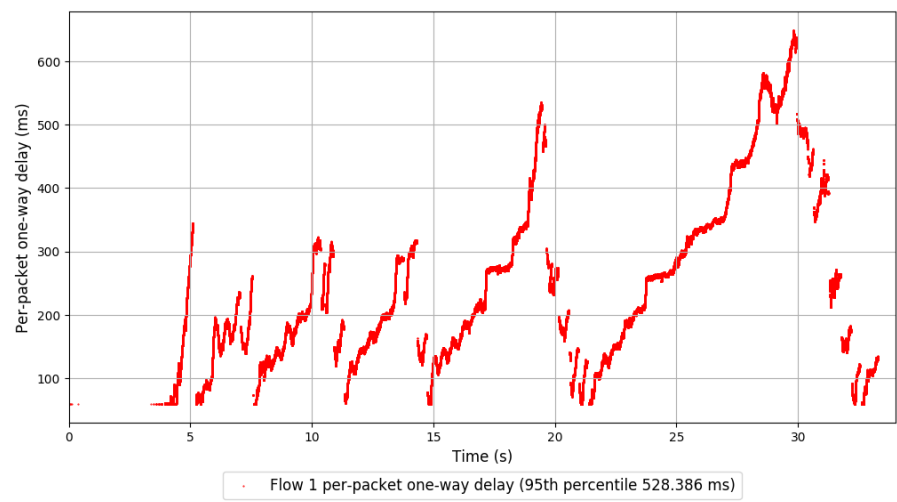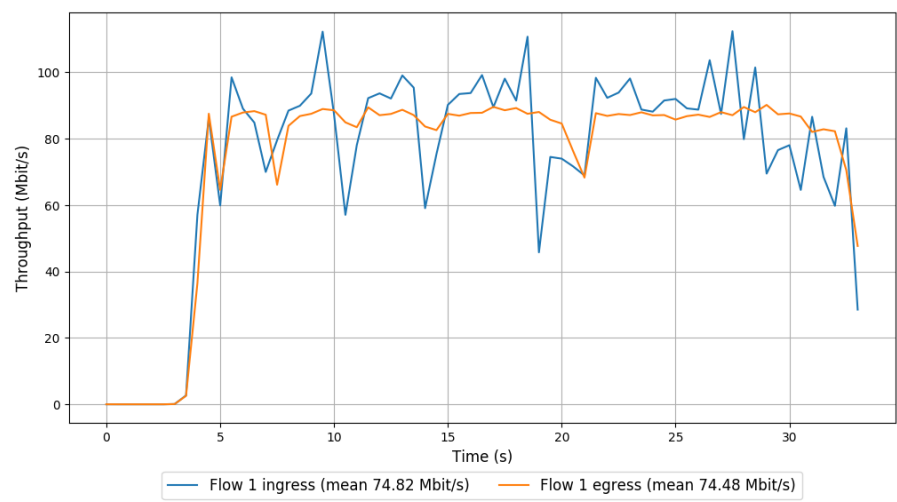
Run 5: Report of Verus — Data Link



Flow 1 ingress (mean 74.82 Mbit/s) — Flow 1 egress (mean 74.48 Mbit/s)



· Flow 1 per-packet one-way delay (95th percentile 528.386 ms)

```
Run 6: Statistics of Verus

Start at: Tue, 13 Jun 2017 20:00:30 +0000
End at: Tue, 13 Jun 2017 20:01:00 +0000
Local clock offset: 3.976 ms
Remote clock offset: -3.771 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:04 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 64.46 Mbit/s
95th percentile per-packet one-way delay: 458.030 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 64.46 Mbit/s
95th percentile per-packet one-way delay: 458.030 ms
Loss rate: 0.71%
```
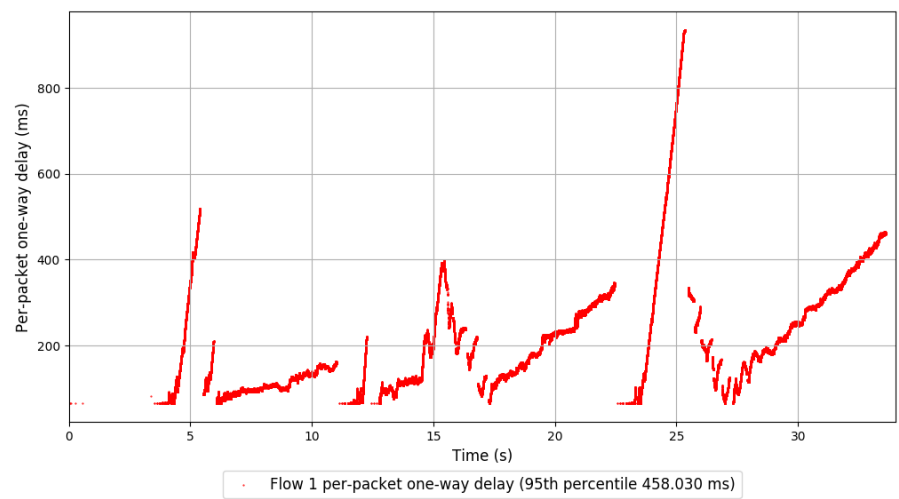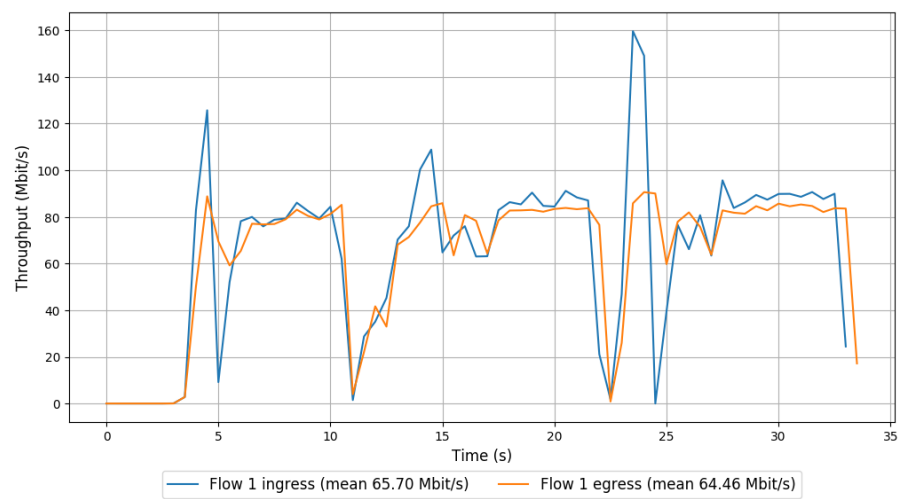
Run 6: Report of Verus — Data Link



Flow 1 ingress (mean 65.70 Mbit/s) ——— Flow 1 egress (mean 64.46 Mbit/s)



· Flow 1 per-packet one-way delay (95th percentile 458.030 ms)

```
Run 7: Statistics of Verus

Start at: Tue, 13 Jun 2017 20:17:58 +0000
End at: Tue, 13 Jun 2017 20:18:28 +0000
Local clock offset: 4.235 ms
Remote clock offset: -5.152 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:15 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.34 Mbit/s
95th percentile per-packet one-way delay: 668.580 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 77.34 Mbit/s
95th percentile per-packet one-way delay: 668.580 ms
Loss rate: 0.13%
```
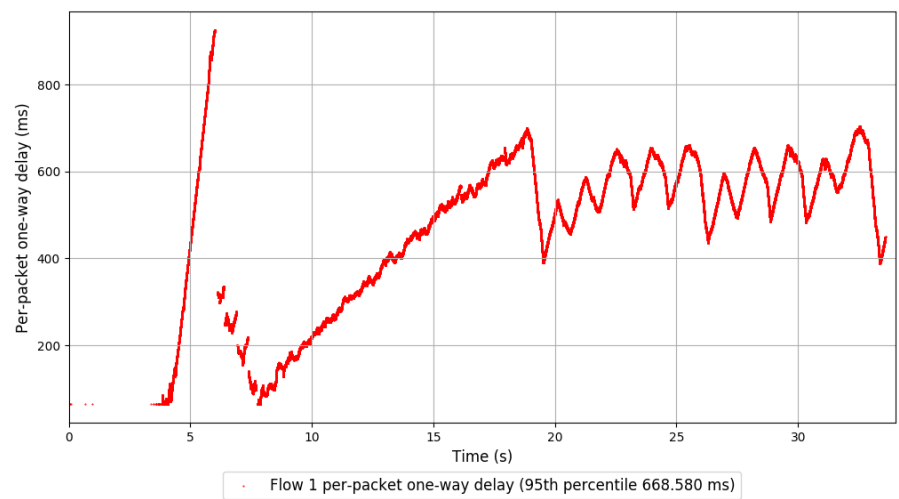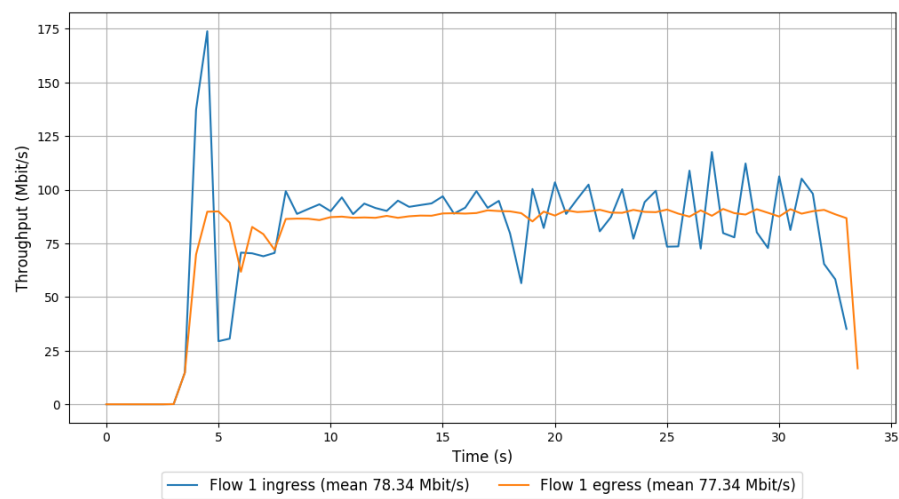
Run 7: Report of Verus — Data Link



Flow 1 ingress (mean 78.34 Mbit/s)    Flow 1 egress (mean 77.34 Mbit/s)



Flow 1 per-packet one-way delay (95th percentile 668.580 ms)

```
Run 8: Statistics of Verus

Start at: Tue, 13 Jun 2017 20:35:31 +0000
End at: Tue, 13 Jun 2017 20:36:01 +0000
Local clock offset: 4.207 ms
Remote clock offset: -5.287 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:15 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 68.73 Mbit/s
95th percentile per-packet one-way delay: 582.012 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 68.73 Mbit/s
95th percentile per-packet one-way delay: 582.012 ms
Loss rate: 0.41%
```
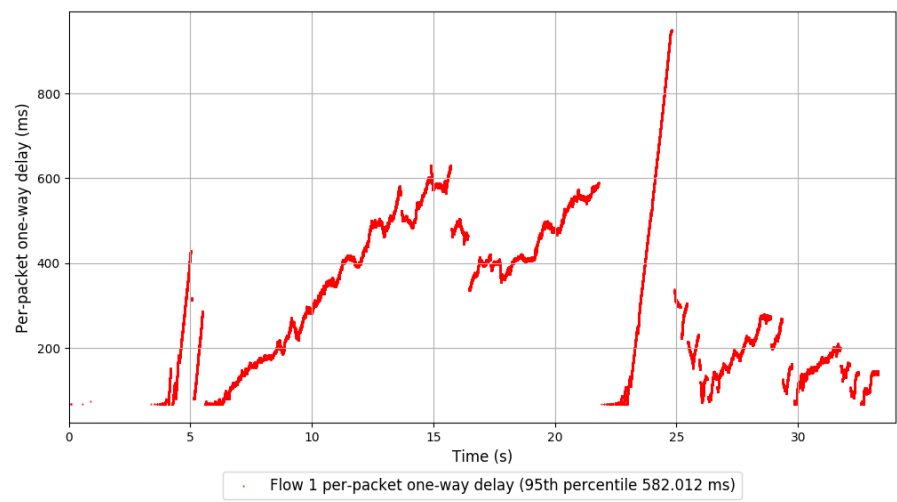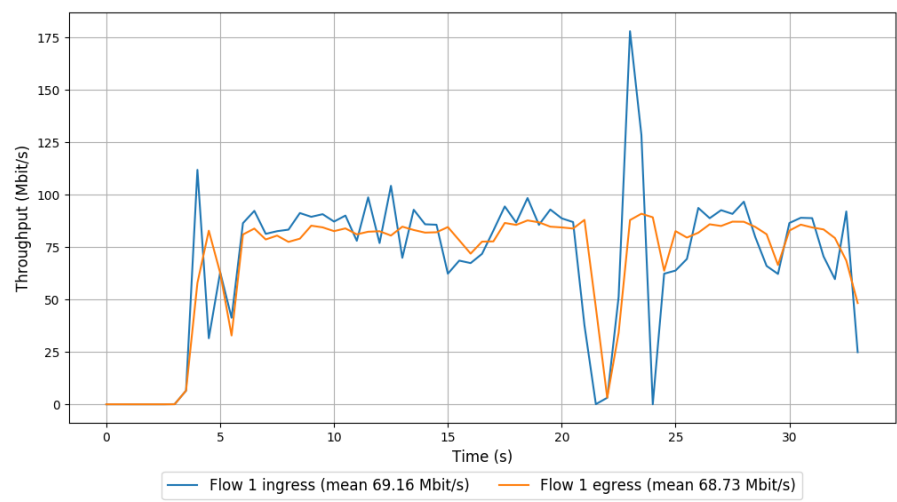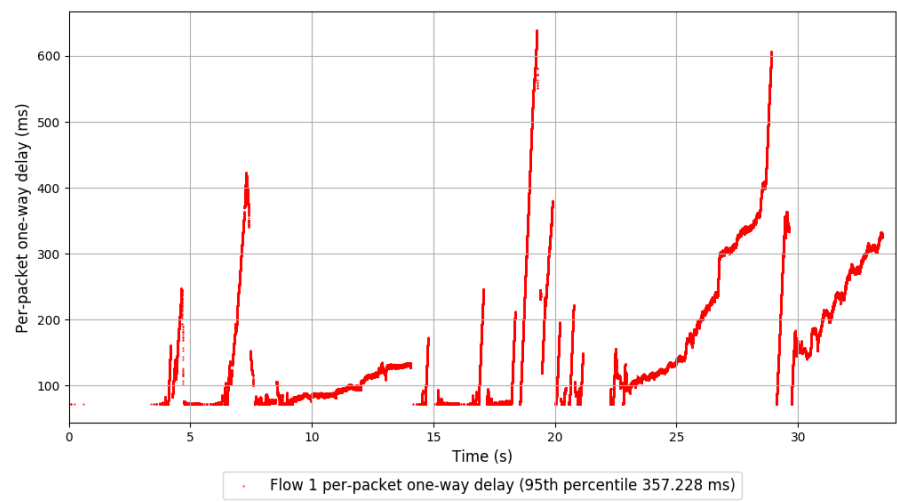
Run 8: Report of Verus — Data Link



Flow 1 ingress (mean 69.16 Mbit/s) —— Flow 1 egress (mean 68.73 Mbit/s)



· Flow 1 per-packet one-way delay (95th percentile 582.012 ms)

```
Run 9: Statistics of Verus

Start at: Tue, 13 Jun 2017 20:53:07 +0000
End at: Tue, 13 Jun 2017 20:53:37 +0000
Local clock offset: 3.902 ms
Remote clock offset: -9.042 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:24 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 58.68 Mbit/s
95th percentile per-packet one-way delay: 357.228 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 58.68 Mbit/s
95th percentile per-packet one-way delay: 357.228 ms
Loss rate: 0.47%
```
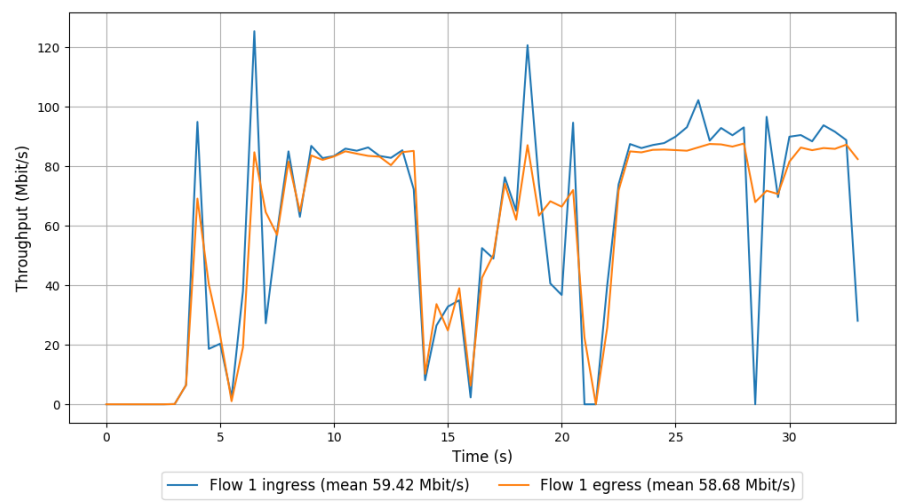
Run 9: Report of Verus — Data Link



Flow 1 ingress (mean 59.42 Mbit/s) ——— Flow 1 egress (mean 58.68 Mbit/s)



Flow 1 per-packet one-way delay (95th percentile 357.228 ms)
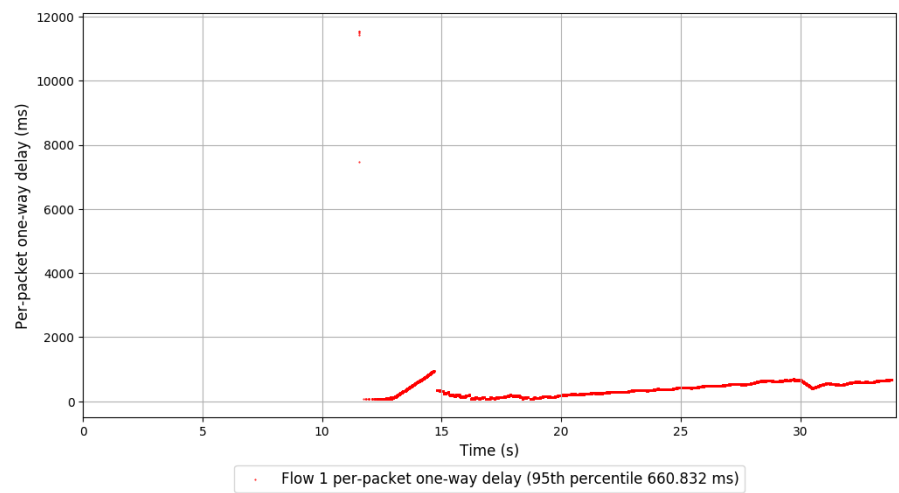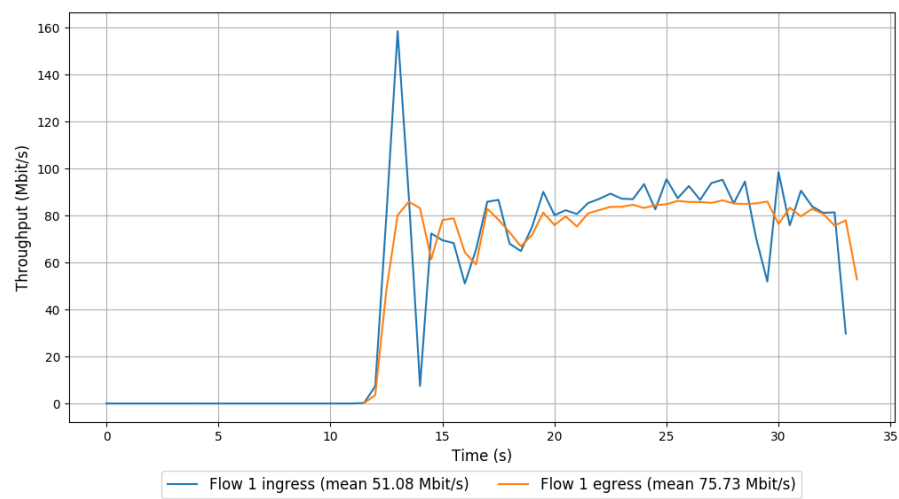
```
Run 10: Statistics of Verus

Start at: Tue, 13 Jun 2017 21:10:28 +0000
End at: Tue, 13 Jun 2017 21:10:58 +0000
Local clock offset: 3.643 ms
Remote clock offset: -8.332 ms
```

Run 10: Report of Verus — Data Link

```
Run 1: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 18:31:18 +0000
End at: Tue, 13 Jun 2017 18:31:48 +0000
Local clock offset: 7.217 ms
Remote clock offset: 2.05 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:25 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 64.819 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 64.819 ms
Loss rate: 0.01%
```
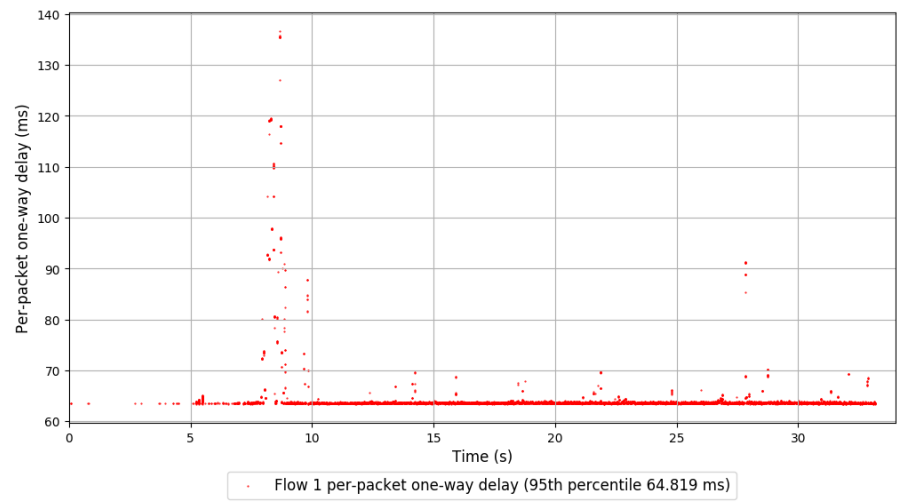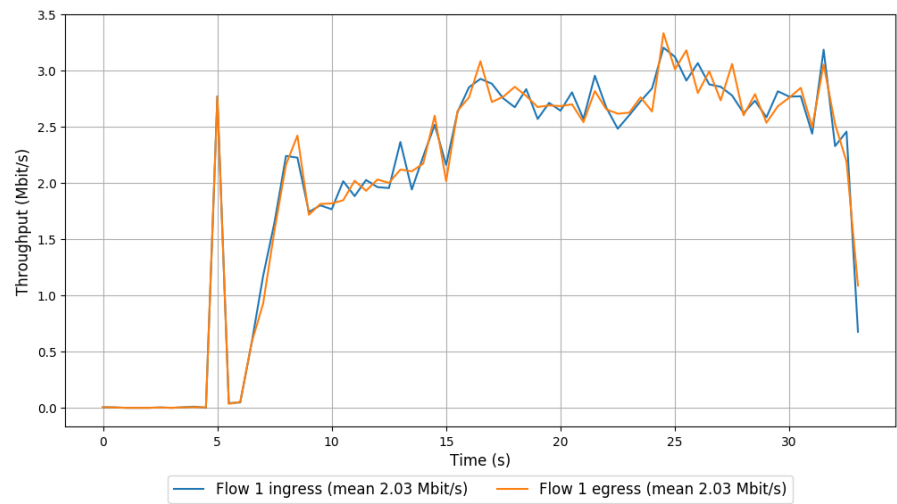
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 18:49:06 +0000
End at: Tue, 13 Jun 2017 18:49:36 +0000
Local clock offset: 5.357 ms
Remote clock offset: 2.603 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:25 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 59.856 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 59.856 ms
Loss rate: 0.00%
```
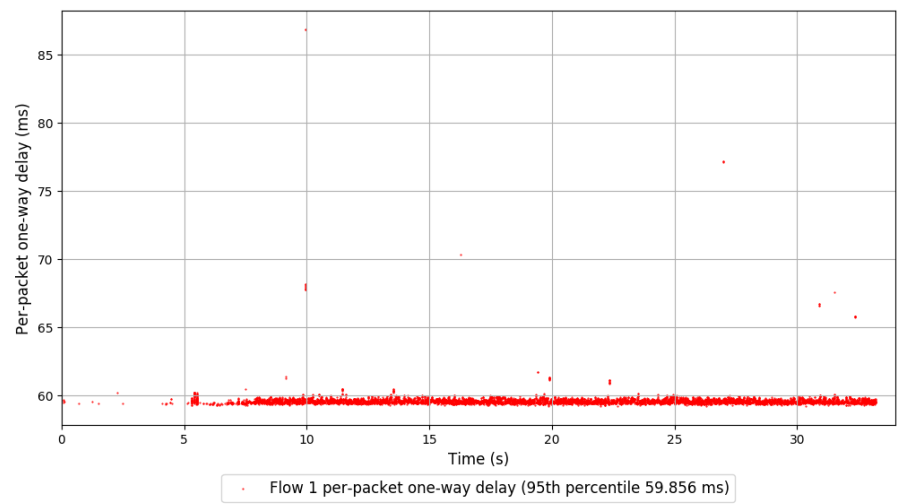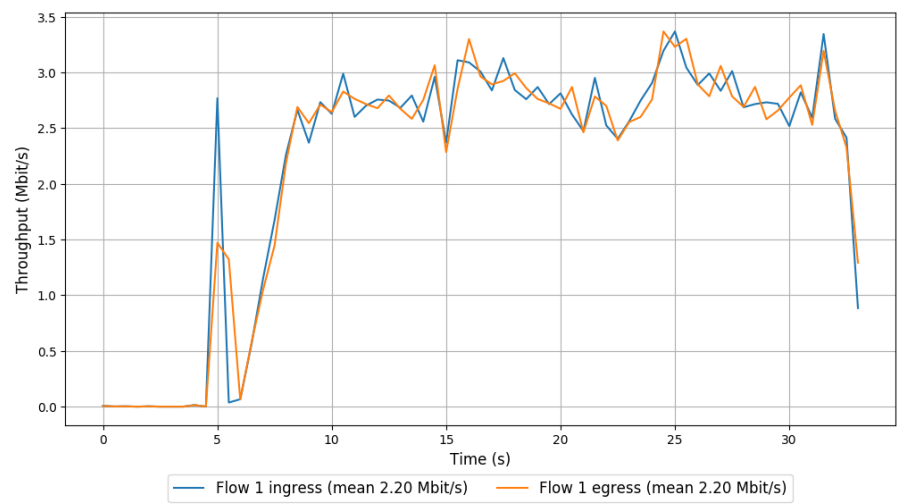
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 19:06:37 +0000
End at: Tue, 13 Jun 2017 19:07:07 +0000
Local clock offset: 5.439 ms
Remote clock offset: 2.776 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:26 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 60.994 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 60.994 ms
Loss rate: 0.00%
```
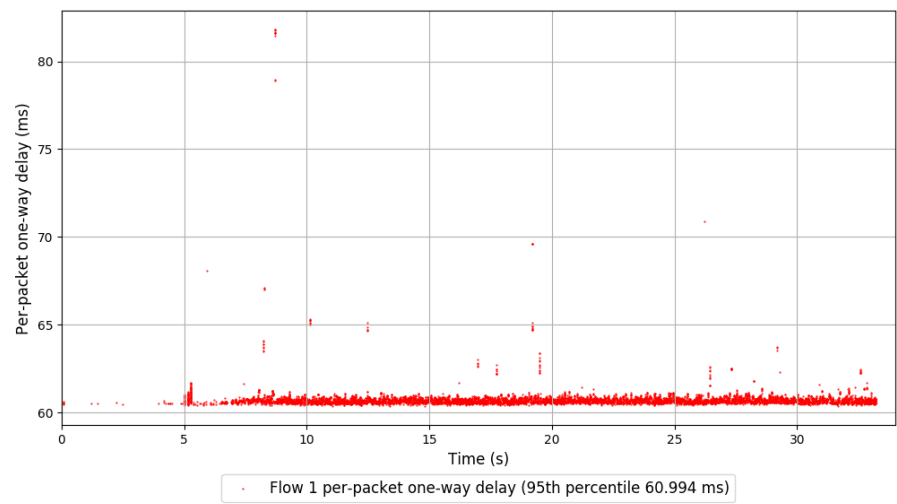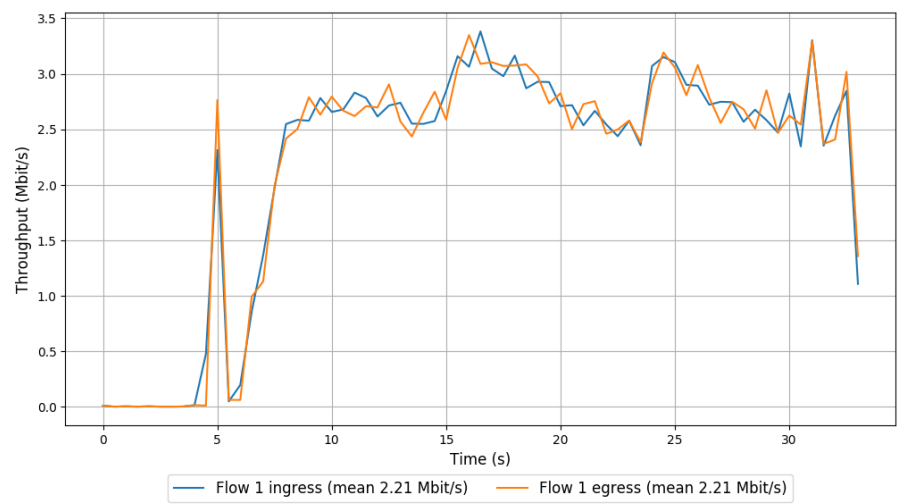
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 19:24:05 +0000
End at: Tue, 13 Jun 2017 19:24:35 +0000
Local clock offset: 4.72 ms
Remote clock offset: 2.487 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:27 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 60.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 60.455 ms
Loss rate: 0.00%
```
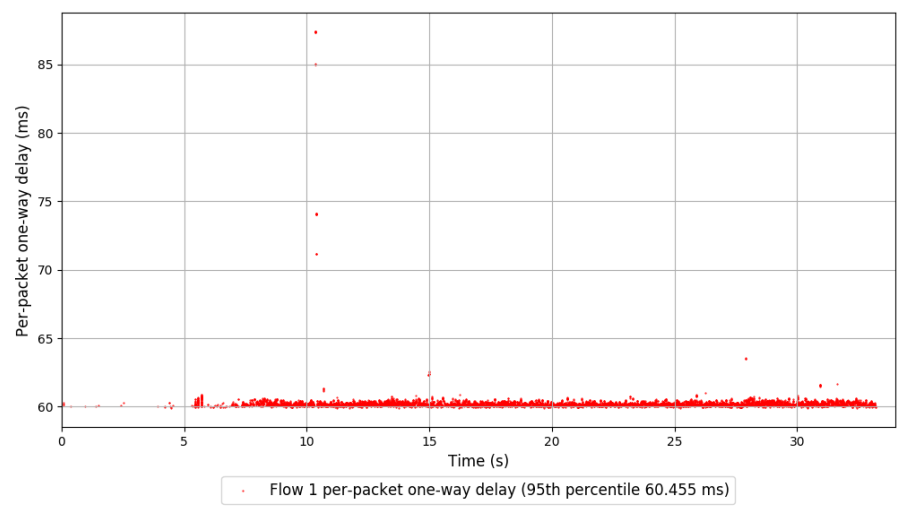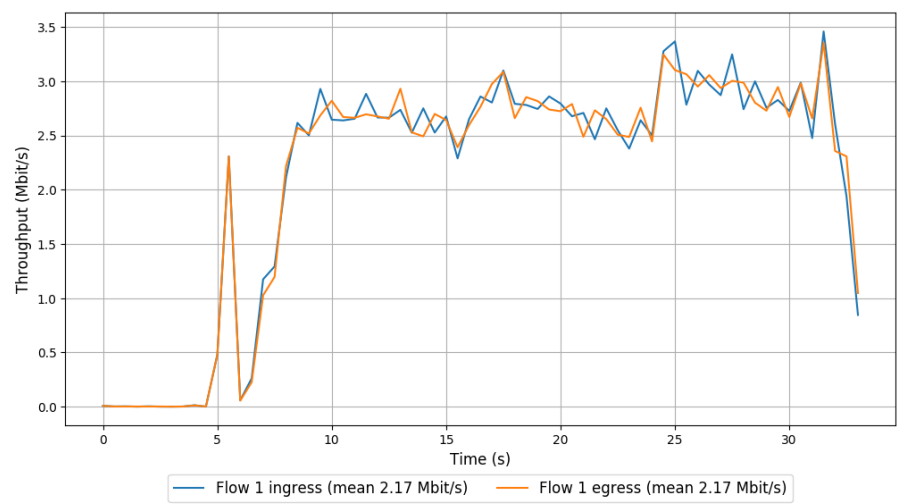
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 19:41:38 +0000
End at: Tue, 13 Jun 2017 19:42:08 +0000
Local clock offset: 4.16 ms
Remote clock offset: 2.261 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:28 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 61.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 61.085 ms
Loss rate: 0.00%
```
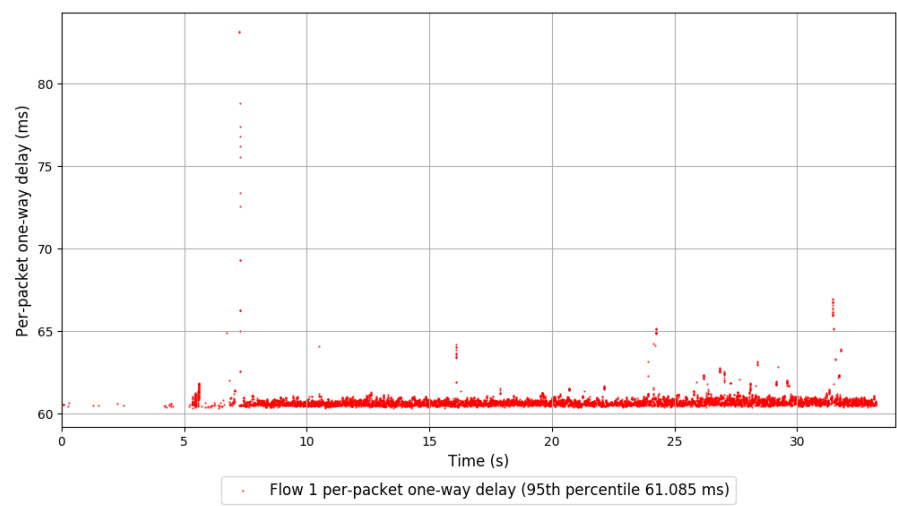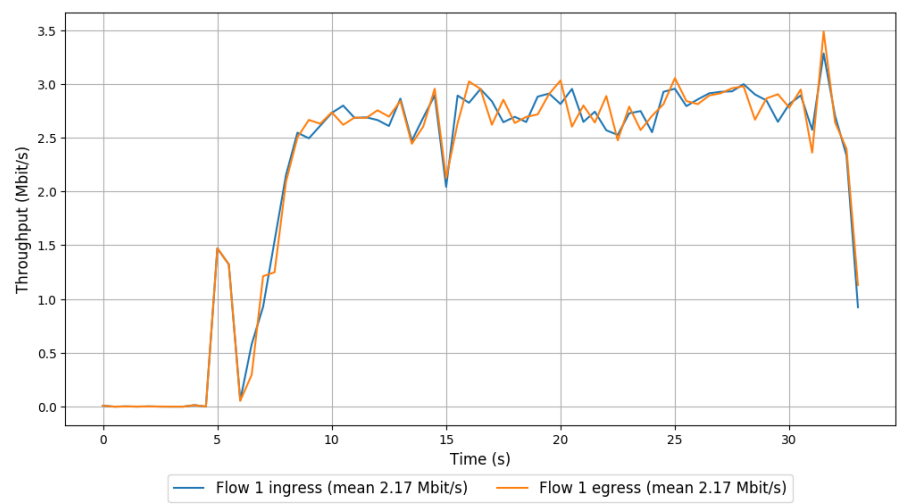
Run 5: Report of WebRTC media — Data Link



Flow 1 ingress (mean 2.17 Mbit/s) ——— Flow 1 egress (mean 2.17 Mbit/s)



Flow 1 per-packet one-way delay (95th percentile 61.085 ms)

```
Run 6: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 19:59:24 +0000
End at: Tue, 13 Jun 2017 19:59:54 +0000
Local clock offset: 3.983 ms
Remote clock offset: -3.254 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:28 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 64.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 64.777 ms
Loss rate: 0.00%
```
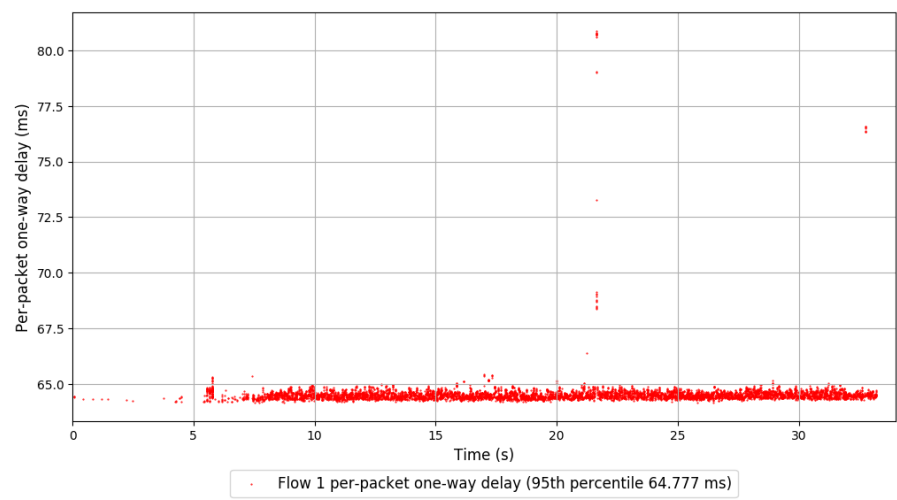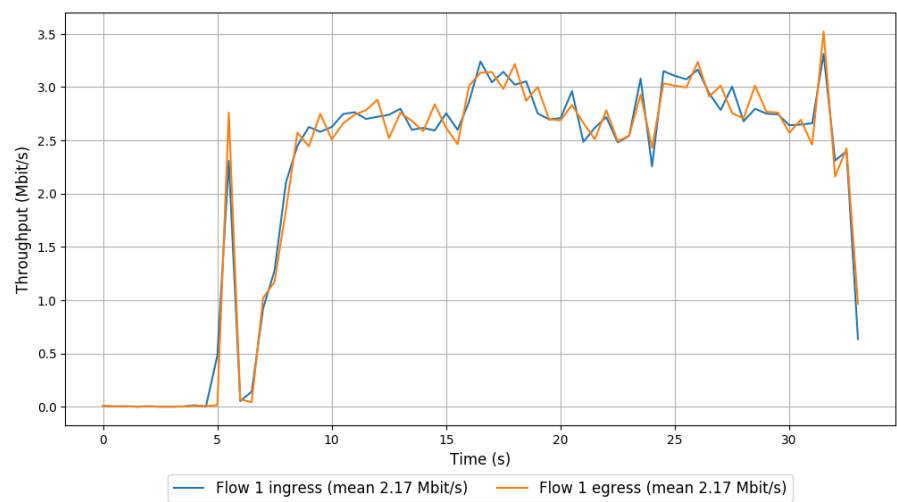
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 20:16:51 +0000
End at: Tue, 13 Jun 2017 20:17:22 +0000
Local clock offset: 4.267 ms
Remote clock offset: -4.547 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:29 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 67.449 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 67.449 ms
Loss rate: 0.00%
```
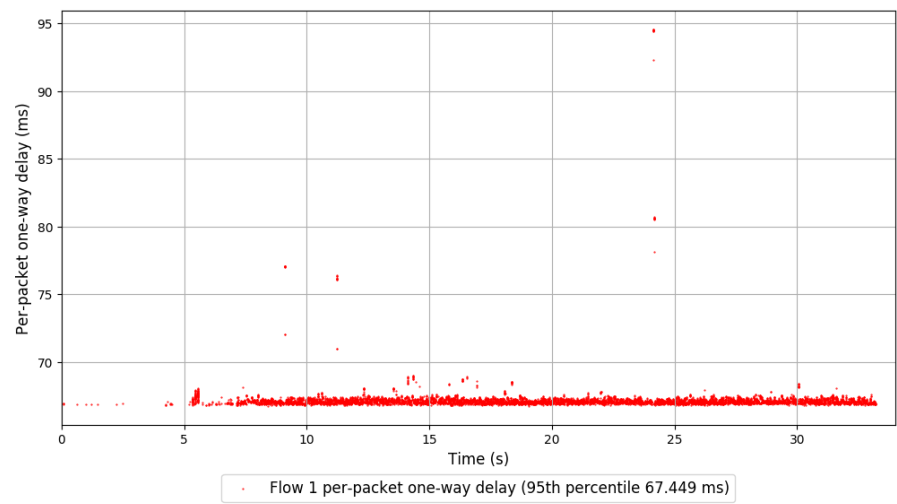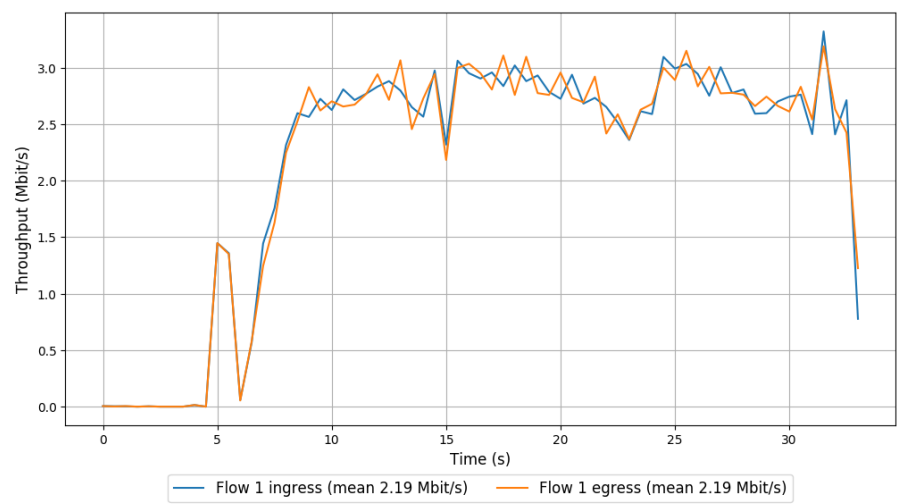
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 20:34:25 +0000
End at: Tue, 13 Jun 2017 20:34:55 +0000
Local clock offset: 4.203 ms
Remote clock offset: -5.246 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:30 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 68.039 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 68.039 ms
Loss rate: 0.00%
```
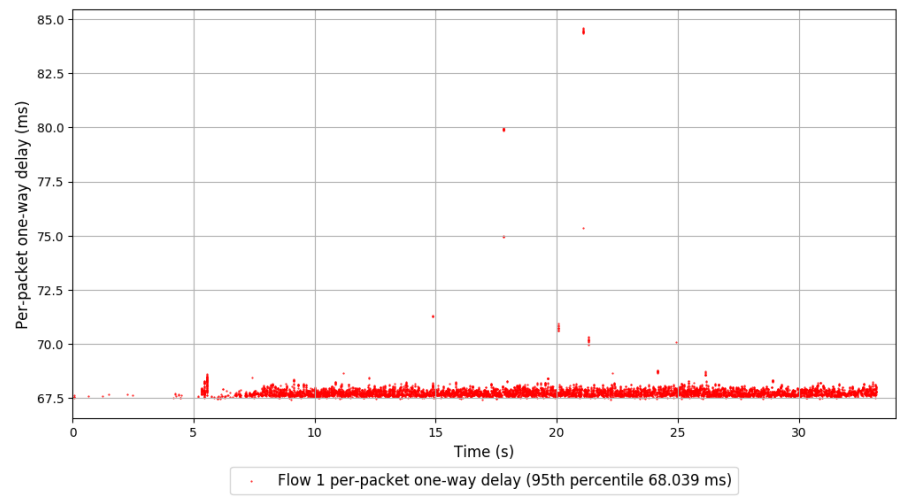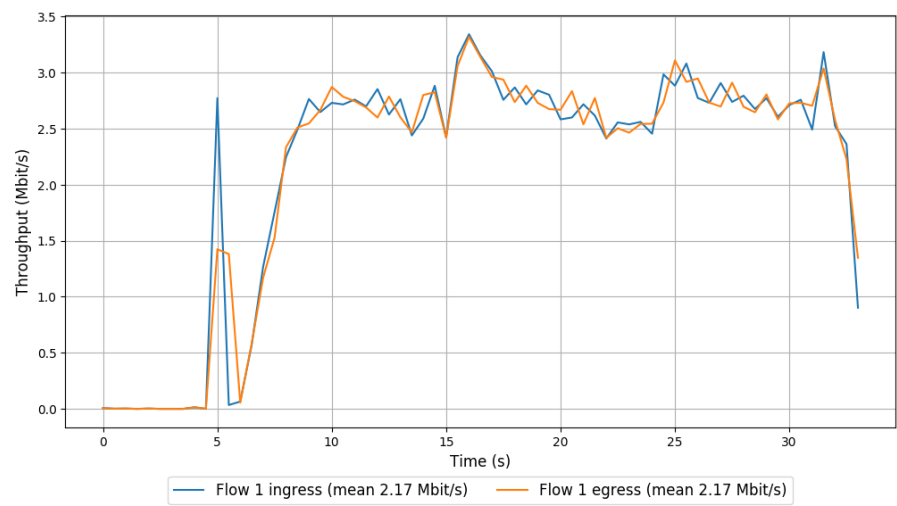
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 20:52:01 +0000
End at: Tue, 13 Jun 2017 20:52:31 +0000
Local clock offset: 3.939 ms
Remote clock offset: -9.417 ms

Below is generated by plot.py at Wed, 14 Jun 2017 00:51:31 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 70.165 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 70.165 ms
Loss rate: 0.03%
```
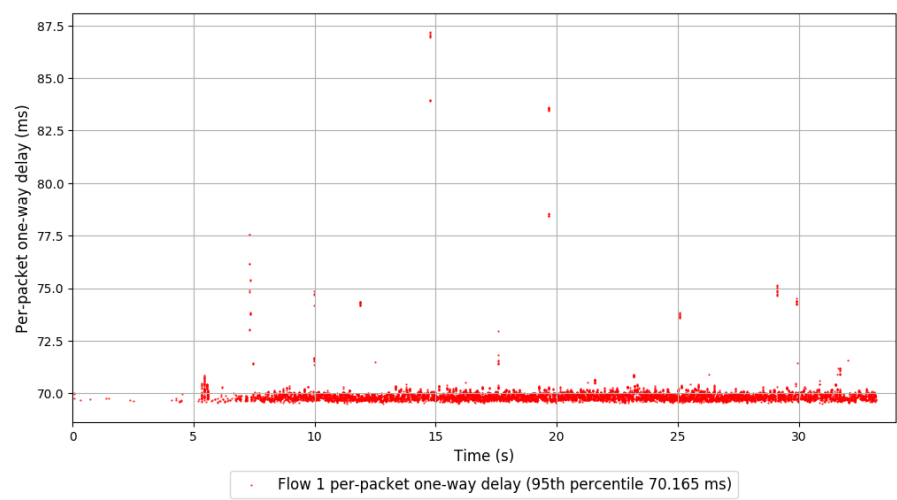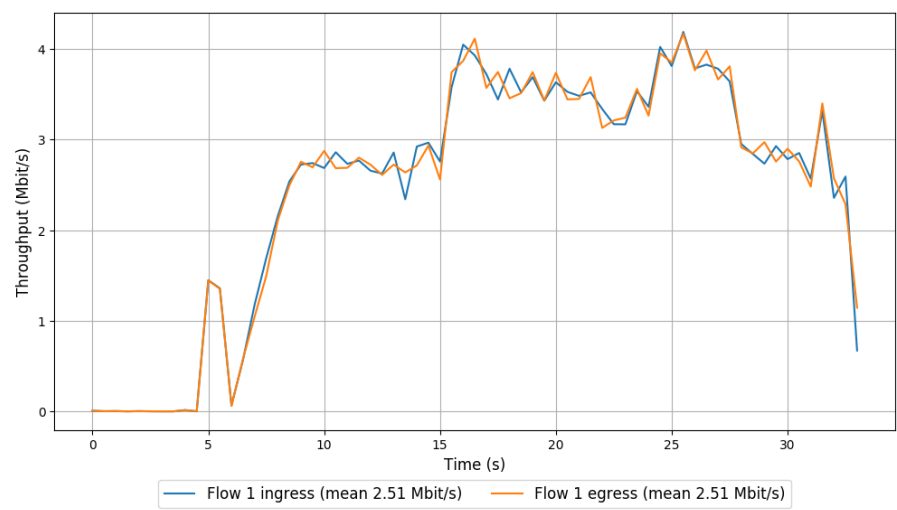
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 21:09:22 +0000
End at: Tue, 13 Jun 2017 21:09:52 +0000
Local clock offset: 3.689 ms
Remote clock offset: -8.241 ms


# Below is generated by plot.py at Wed, 14 Jun 2017 00:51:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 70.442 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 70.442 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 70.442 ms)