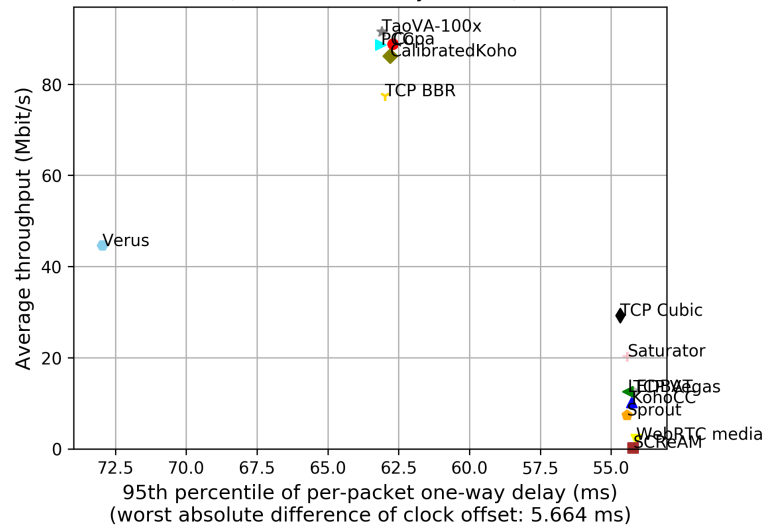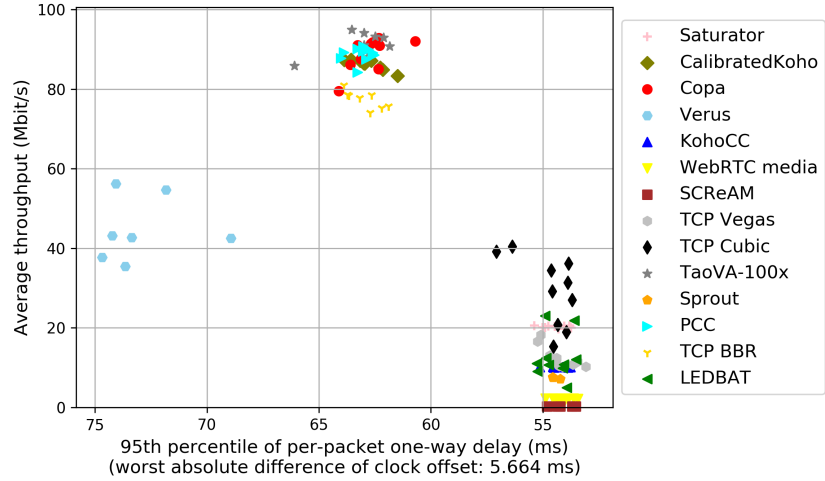**Pantheon Summary** (Generated at Wed, 05 Jul 2017 13:43:34 +0000 with pantheon version `767a95bcc95d67bd77e69c0f8bc9320c1ad3146b`)

    Repeated the test of 15 congestion control schemes 10 times.

    Each test lasted for 30 seconds running 1 flow.

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

    NTP offset measured against gps.ntp.br.

```
git branch: master @ 767a95bcc95d67bd77e69c0f8bc9320c1ad3146b
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ c792f8e8e0704b1646a0e024766675d8e9a835f1
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ 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
```
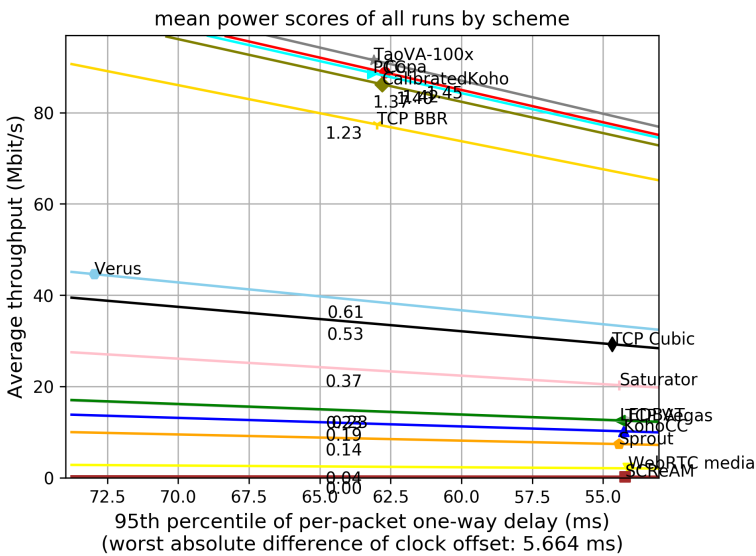
test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

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

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

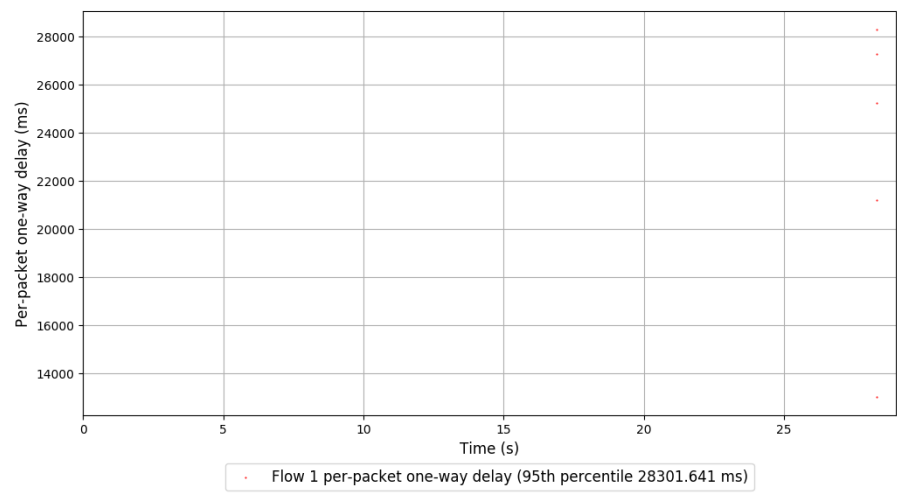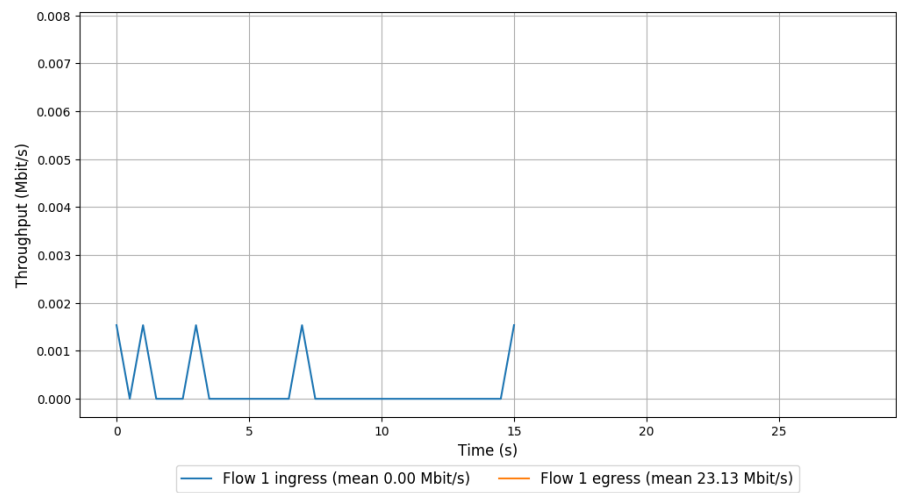mean power scores of all runs by scheme

```
Run 1: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 10:10:32 +0000
End at: Wed, 05 Jul 2017 10:11:02 +0000
Local clock offset: 0.247 ms
Remote clock offset: -3.235 ms
```

Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 23.13 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 28301.641 ms)

5

```
Run 2: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 10:28:03 +0000
End at: Wed, 05 Jul 2017 10:28:33 +0000
Local clock offset: 0.254 ms
Remote clock offset: -2.684 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:35:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.99 Mbit/s
95th percentile per-packet one-way delay: 63.891 ms
Loss rate: 6.94%
-- Flow 1:
Average throughput: 80.99 Mbit/s
95th percentile per-packet one-way delay: 63.891 ms
Loss rate: 6.94%
```
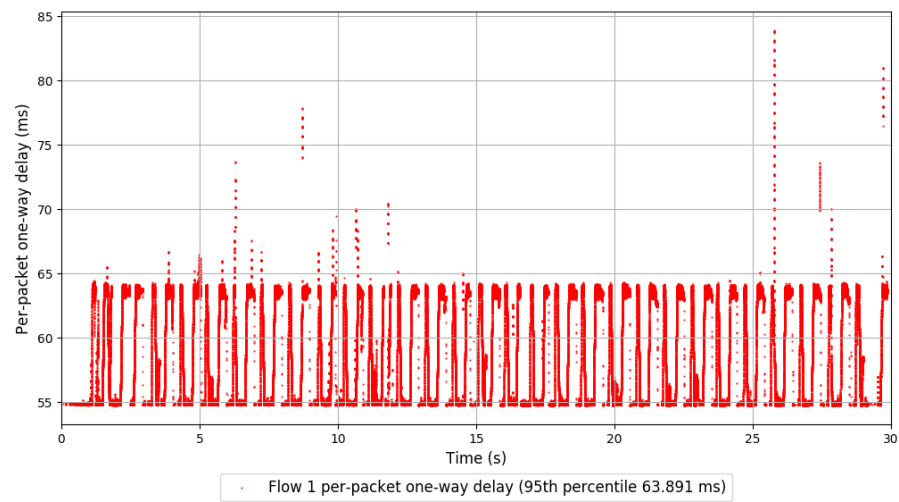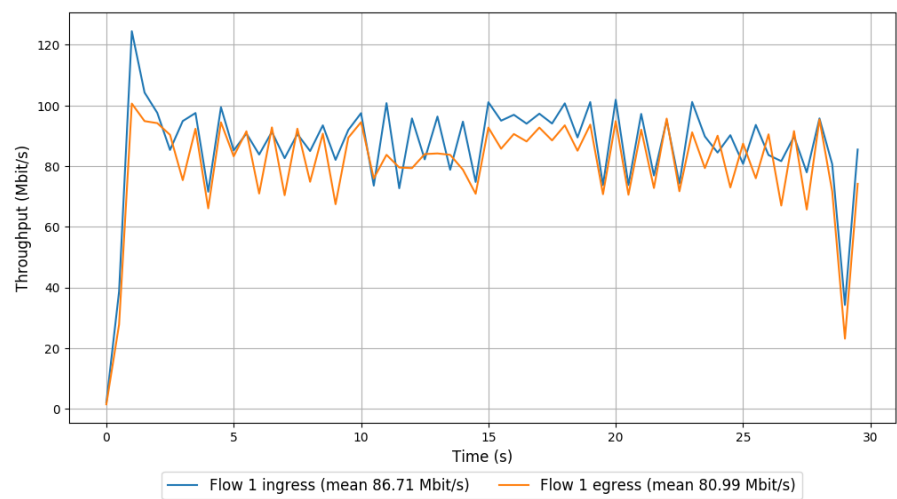
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 86.71 Mbit/s)   Flow 1 egress (mean 80.99 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.891 ms)

```
Run 3: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 10:45:14 +0000
End at: Wed, 05 Jul 2017 10:45:44 +0000
Local clock offset: 0.359 ms
Remote clock offset: -3.617 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:35:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 63.732 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 78.61 Mbit/s
95th percentile per-packet one-way delay: 63.732 ms
Loss rate: 6.98%
```
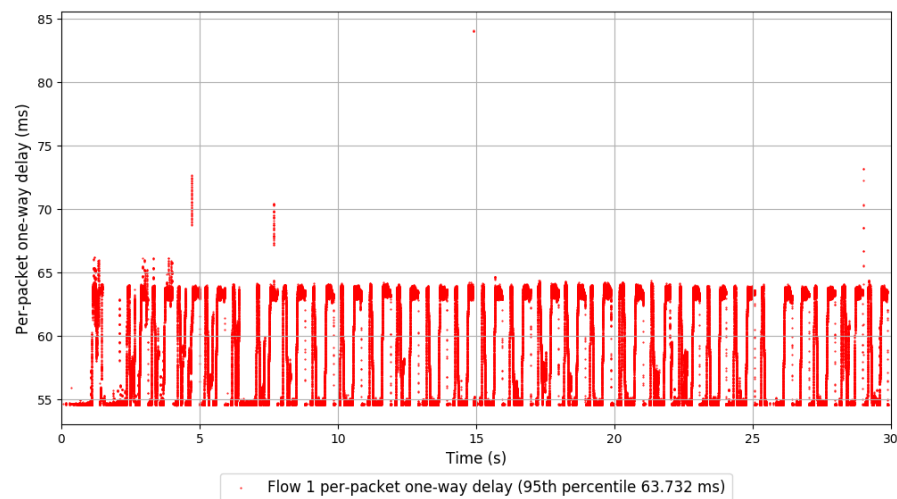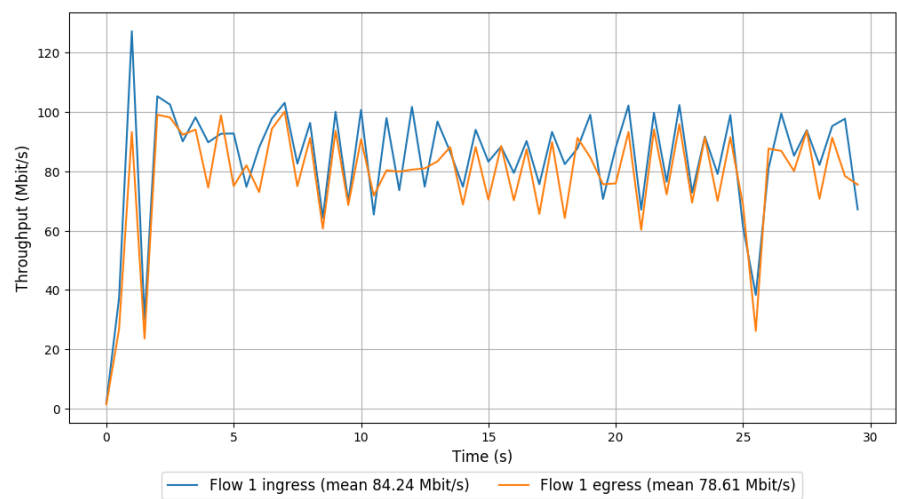
Run 3: Report of TCP BBR — Data Link
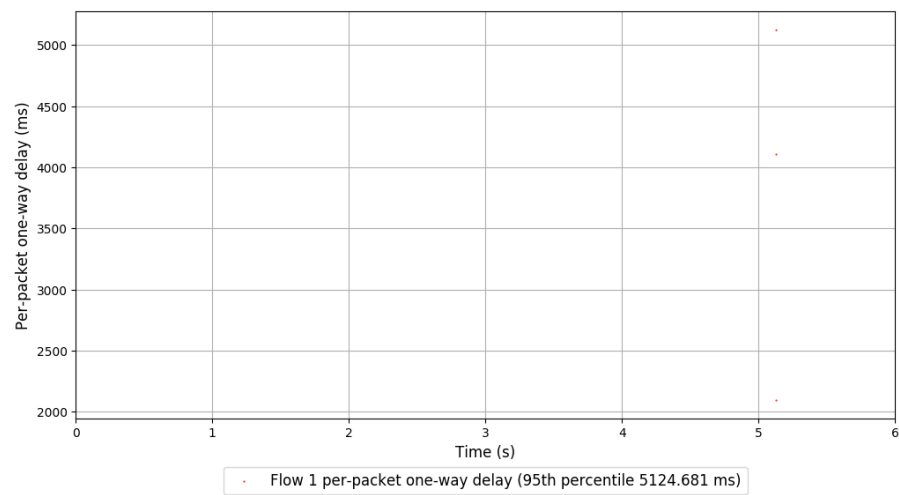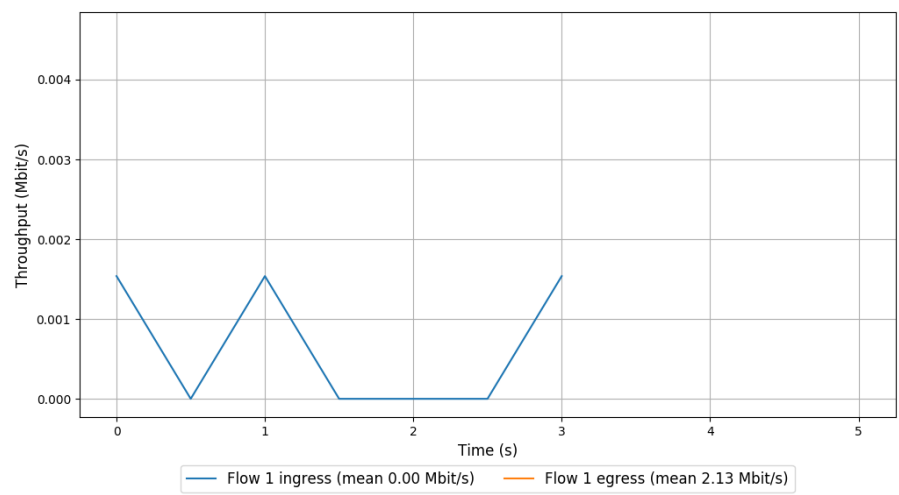
Run 4: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 11:02:50 +0000
End at: Wed, 05 Jul 2017 11:03:20 +0000
Local clock offset: 0.335 ms
Remote clock offset: -3.29 ms

Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 2.13 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 5124.681 ms)

```
Run 5: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 11:20:10 +0000
End at: Wed, 05 Jul 2017 11:20:40 +0000
Local clock offset: 0.303 ms
Remote clock offset: -3.855 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:35:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 63.670 ms
Loss rate: 7.66%
-- Flow 1:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 63.670 ms
Loss rate: 7.66%
```
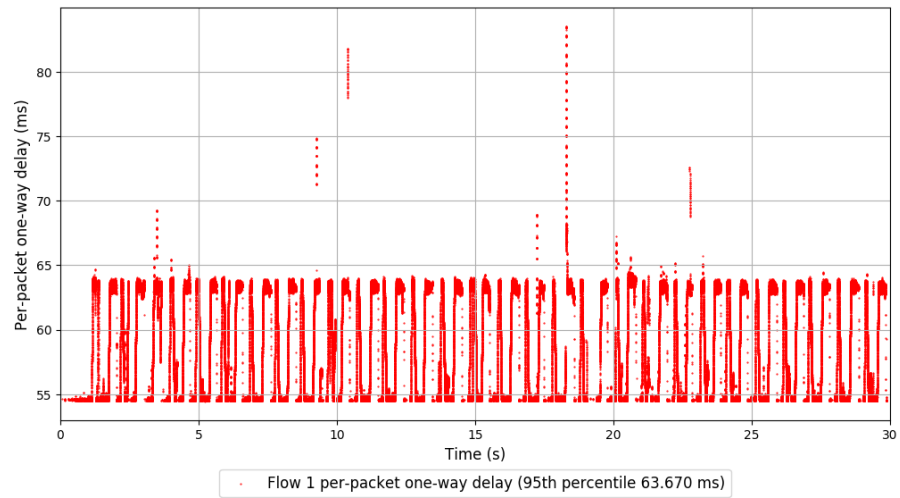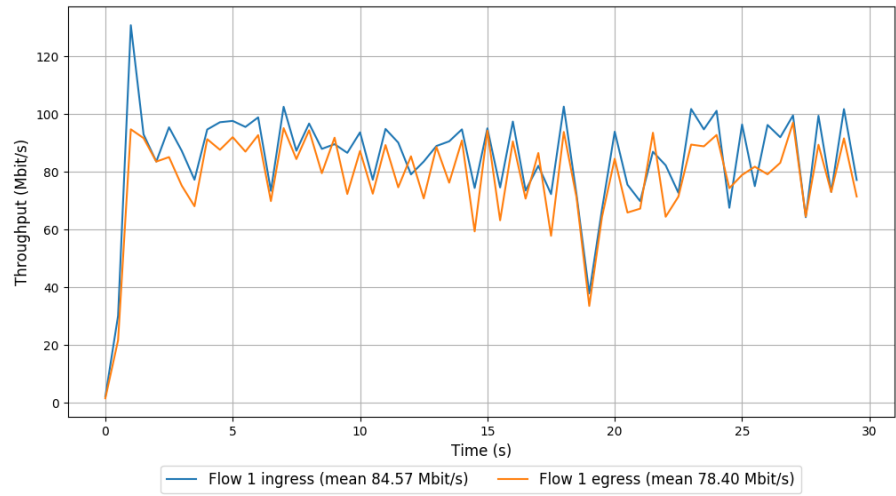
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 84.57 Mbit/s) — Flow 1 egress (mean 78.40 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.670 ms)

13

```
Run 6: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 11:37:42 +0000
End at: Wed, 05 Jul 2017 11:38:12 +0000
Local clock offset: 0.226 ms
Remote clock offset: -4.484 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:35:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 63.172 ms
Loss rate: 7.48%
-- Flow 1:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 63.172 ms
Loss rate: 7.48%
```
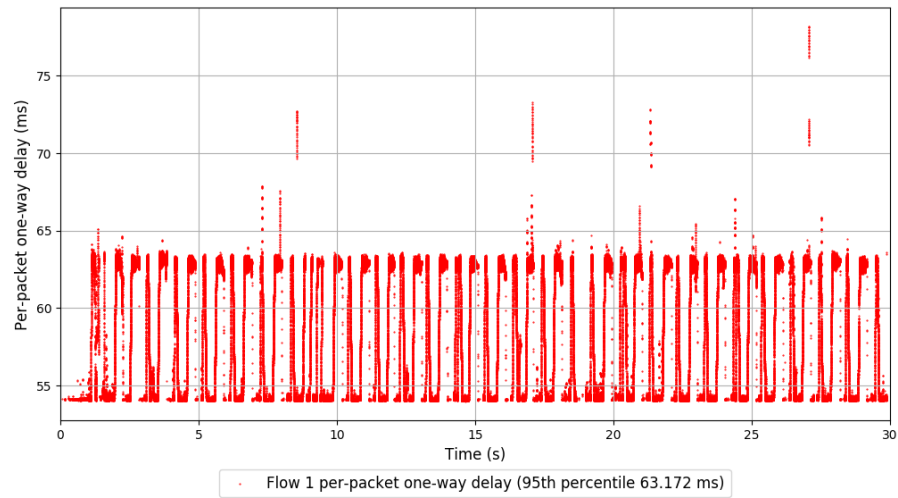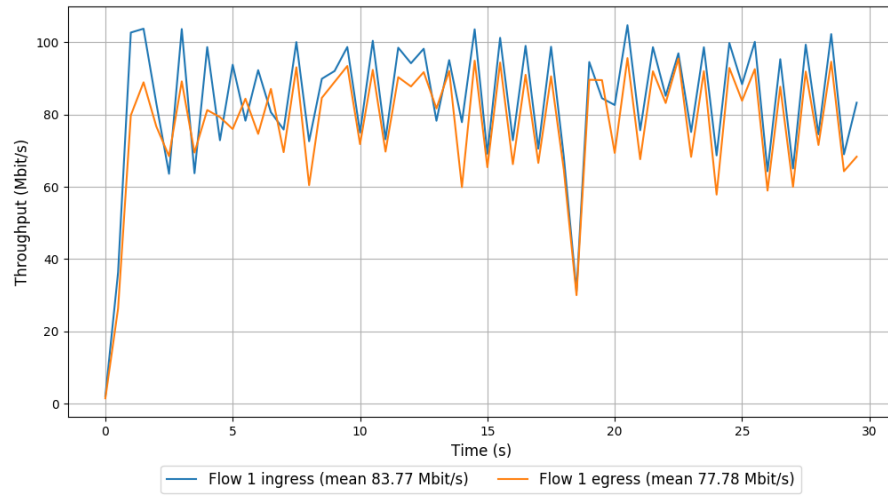
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 83.77 Mbit/s) — Flow 1 egress (mean 77.78 Mbit/s)

. Flow 1 per-packet one-way delay (95th percentile 63.172 ms)

```
Run 7: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 11:55:09 +0000
End at: Wed, 05 Jul 2017 11:55:39 +0000
Local clock offset: 0.14 ms
Remote clock offset: -4.077 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:35:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.53 Mbit/s
95th percentile per-packet one-way delay: 62.652 ms
Loss rate: 7.51%
-- Flow 1:
Average throughput: 78.53 Mbit/s
95th percentile per-packet one-way delay: 62.652 ms
Loss rate: 7.51%
```
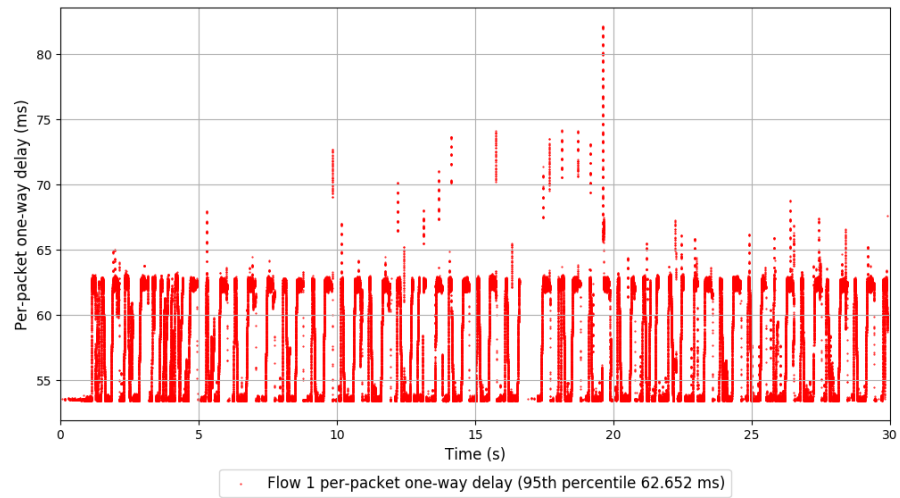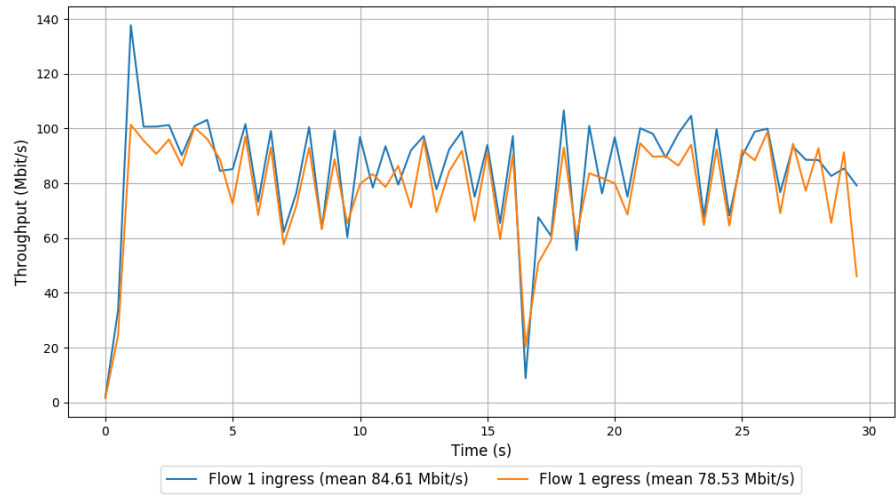
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 84.61 Mbit/s)   Flow 1 egress (mean 78.53 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.652 ms)

17

```
Run 8: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 12:12:36 +0000
End at: Wed, 05 Jul 2017 12:13:06 +0000
Local clock offset: 0.113 ms
Remote clock offset: -4.093 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:35:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.26 Mbit/s
95th percentile per-packet one-way delay: 62.194 ms
Loss rate: 7.30%
-- Flow 1:
Average throughput: 75.26 Mbit/s
95th percentile per-packet one-way delay: 62.194 ms
Loss rate: 7.30%
```
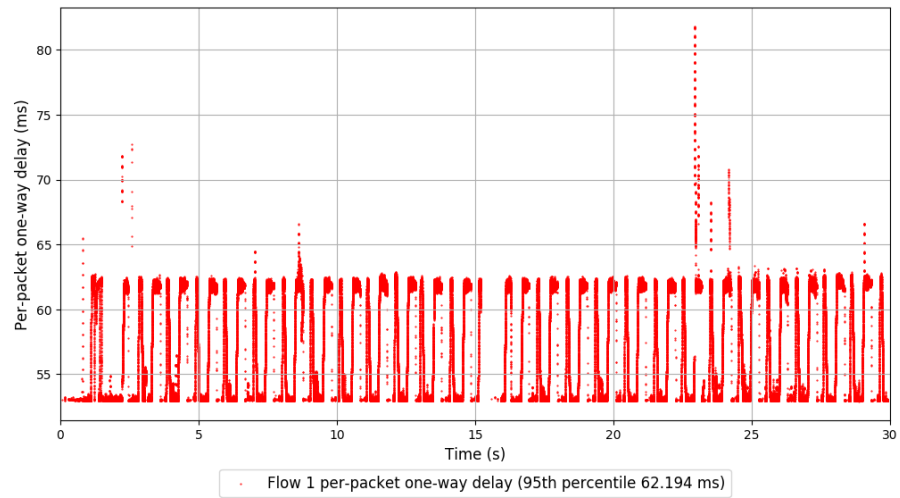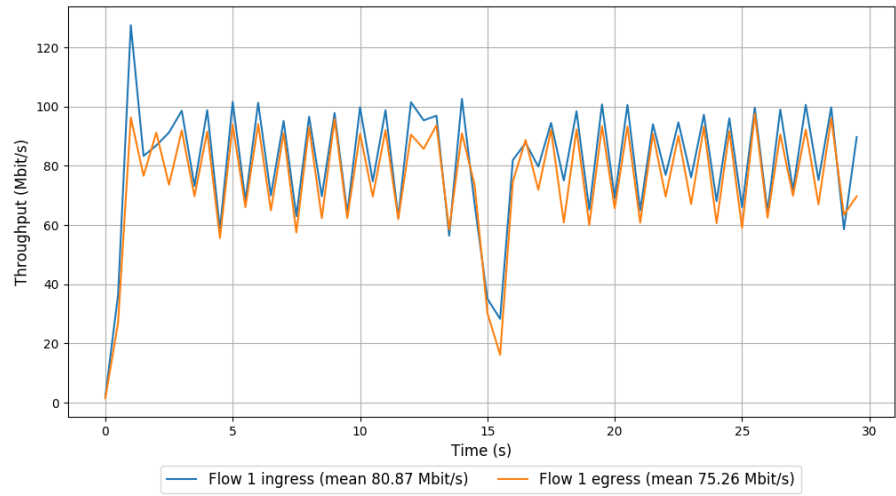
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 80.87 Mbit/s) — Flow 1 egress (mean 75.26 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.194 ms)

19

```
Run 9: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 12:30:10 +0000
End at: Wed, 05 Jul 2017 12:30:40 +0000
Local clock offset: 0.053 ms
Remote clock offset: -4.749 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:35:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 62.704 ms
Loss rate: 6.89%
-- Flow 1:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: 62.704 ms
Loss rate: 6.89%
```
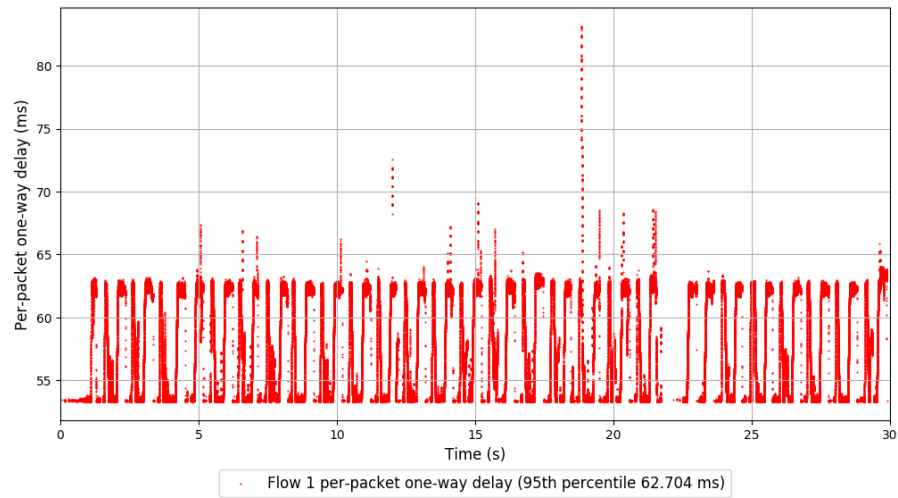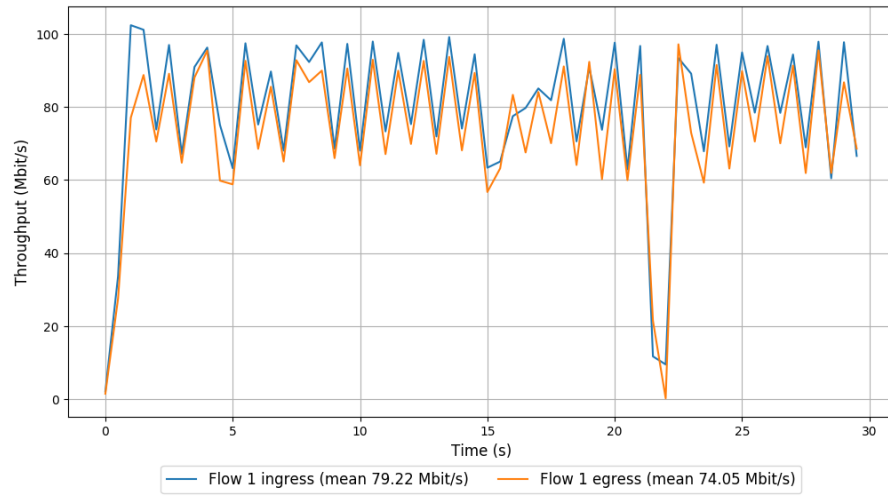
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 79.22 Mbit/s)　　Flow 1 egress (mean 74.05 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.704 ms)

```
Run 10: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 12:47:41 +0000
End at: Wed, 05 Jul 2017 12:48:11 +0000
Local clock offset: 0.134 ms
Remote clock offset: -4.499 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:35:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.72 Mbit/s
95th percentile per-packet one-way delay: 61.898 ms
Loss rate: 7.49%
-- Flow 1:
Average throughput: 75.72 Mbit/s
95th percentile per-packet one-way delay: 61.898 ms
Loss rate: 7.49%
```
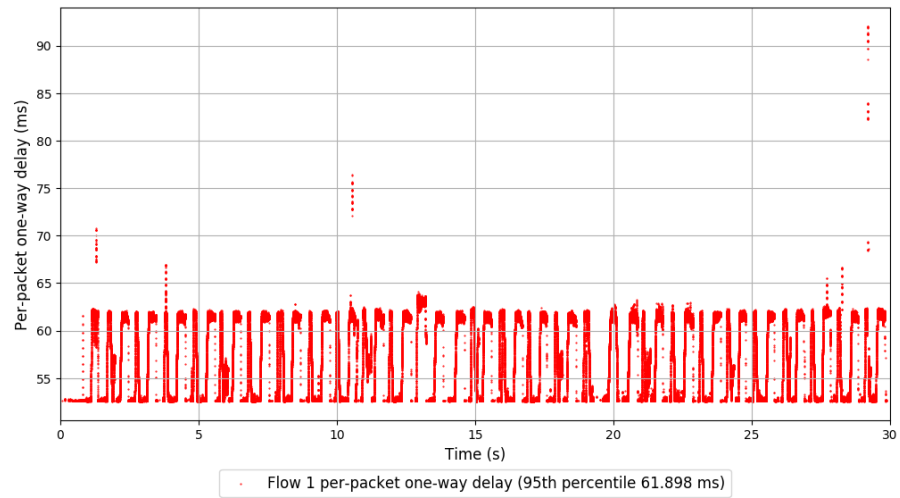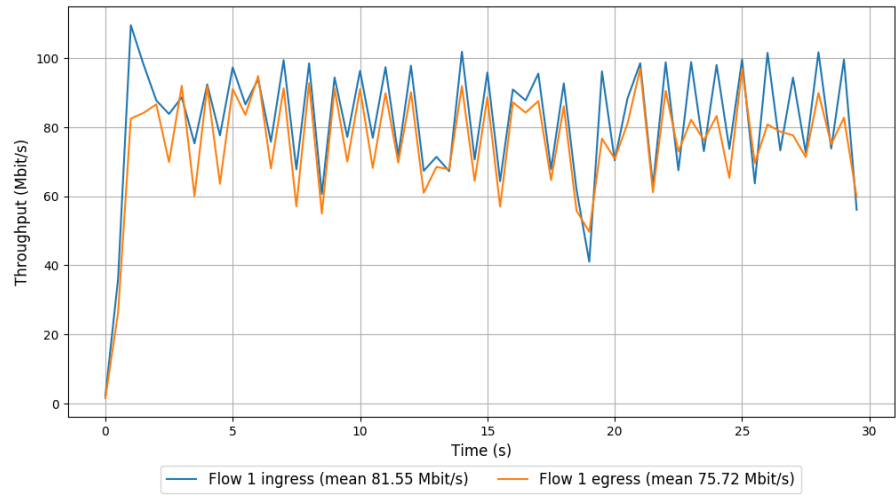
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 81.55 Mbit/s)   Flow 1 egress (mean 75.72 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 61.898 ms)

```
Run 1: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 10:26:48 +0000
End at: Wed, 05 Jul 2017 10:27:18 +0000
Local clock offset: 0.332 ms
Remote clock offset: -2.576 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:36:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 63.865 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 63.865 ms
Loss rate: 3.49%
```
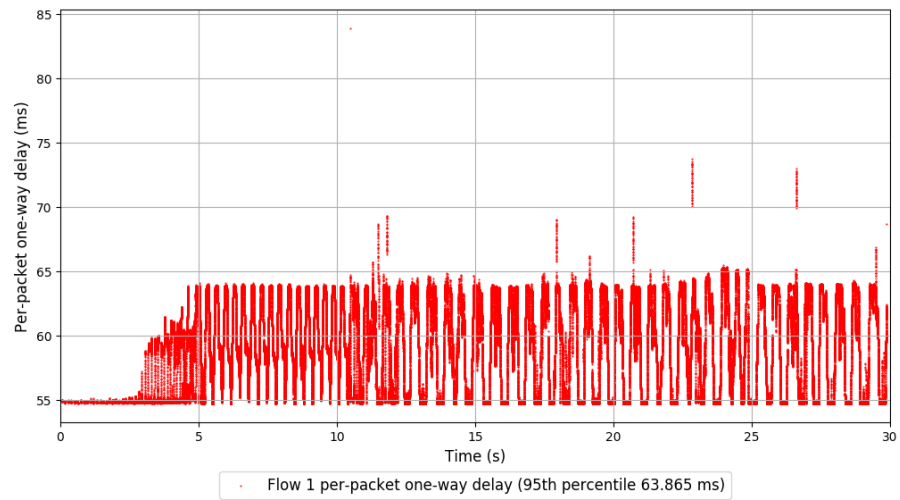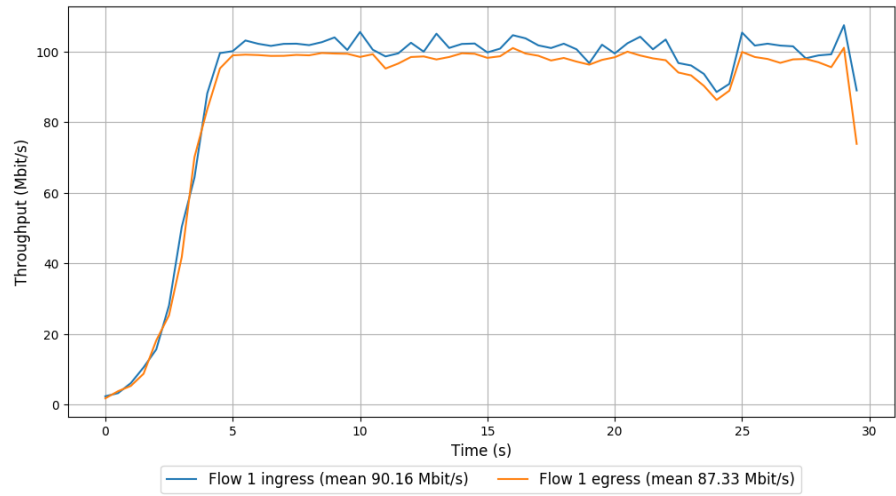
Run 1: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 90.16 Mbit/s) — Flow 1 egress (mean 87.33 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.865 ms)

```
Run 2: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 10:43:59 +0000
End at: Wed, 05 Jul 2017 10:44:29 +0000
Local clock offset: 0.354 ms
Remote clock offset: -3.718 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:36:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 63.160 ms
Loss rate: 3.82%
-- Flow 1:
Average throughput: 87.14 Mbit/s
95th percentile per-packet one-way delay: 63.160 ms
Loss rate: 3.82%
```
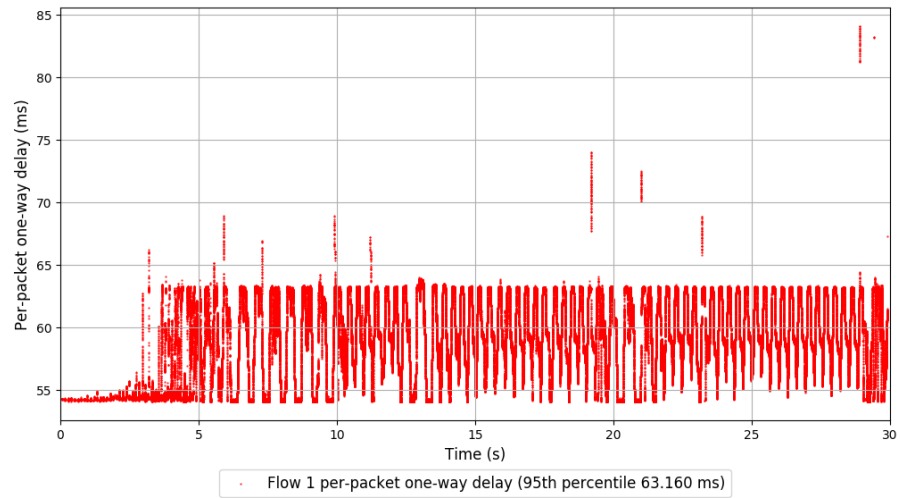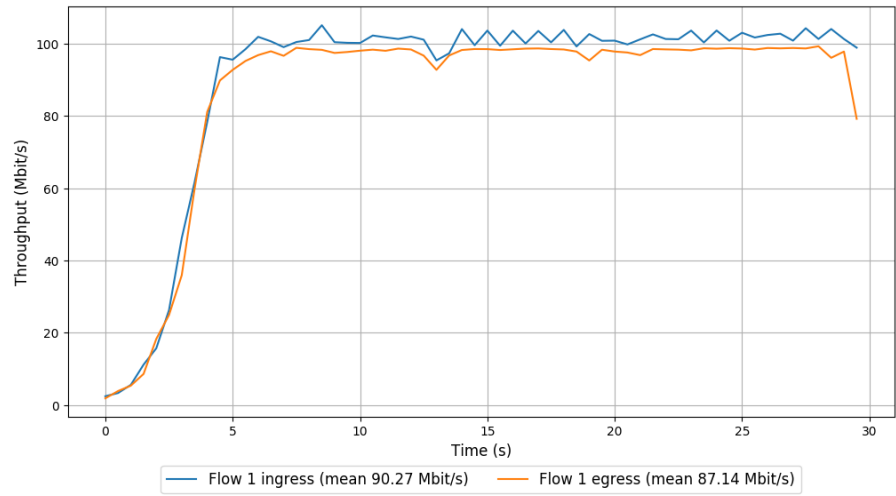
Run 2: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 90.27 Mbit/s) —— Flow 1 egress (mean 87.14 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.160 ms)

```
Run 3: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 11:01:35 +0000
End at: Wed, 05 Jul 2017 11:02:05 +0000
Local clock offset: 0.337 ms
Remote clock offset: -3.384 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:36:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 62.915 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 62.915 ms
Loss rate: 3.24%
```
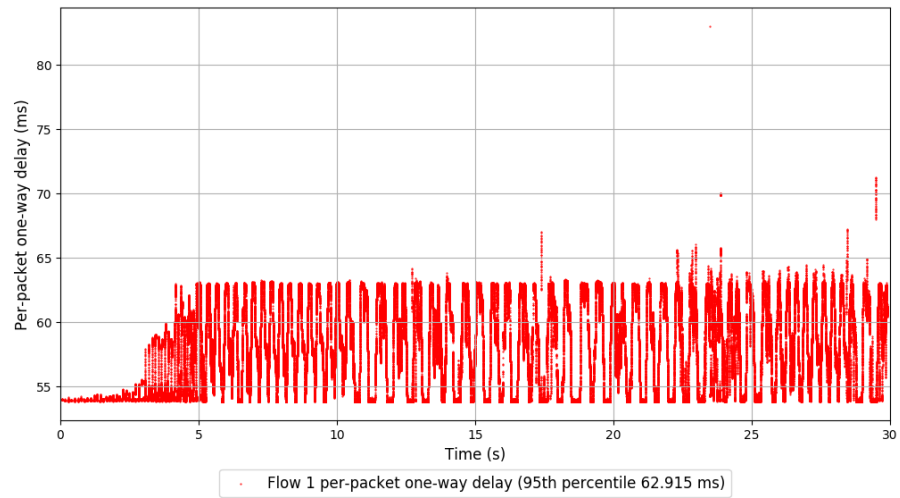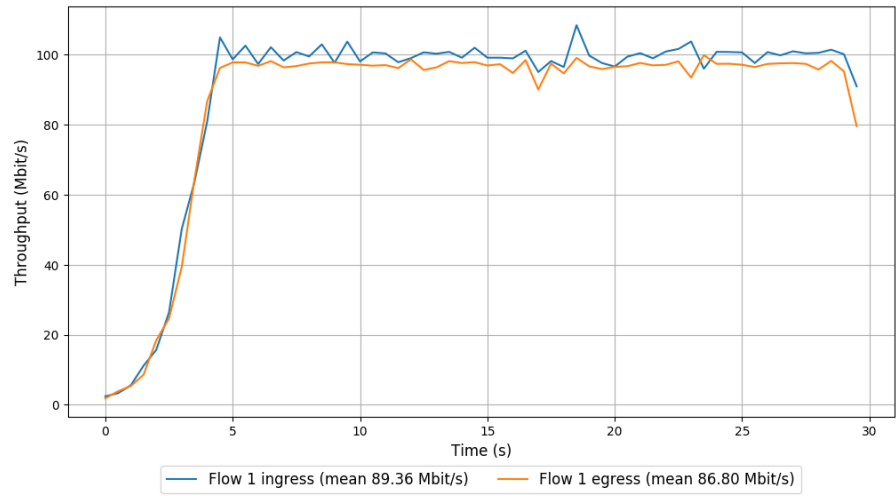
Run 3: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 89.36 Mbit/s) — Flow 1 egress (mean 86.80 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.915 ms)

29

```
Run 4: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 11:18:56 +0000
End at: Wed, 05 Jul 2017 11:19:26 +0000
Local clock offset: 0.325 ms
Remote clock offset: -3.646 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:36:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 62.947 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 86.43 Mbit/s
95th percentile per-packet one-way delay: 62.947 ms
Loss rate: 3.76%
```
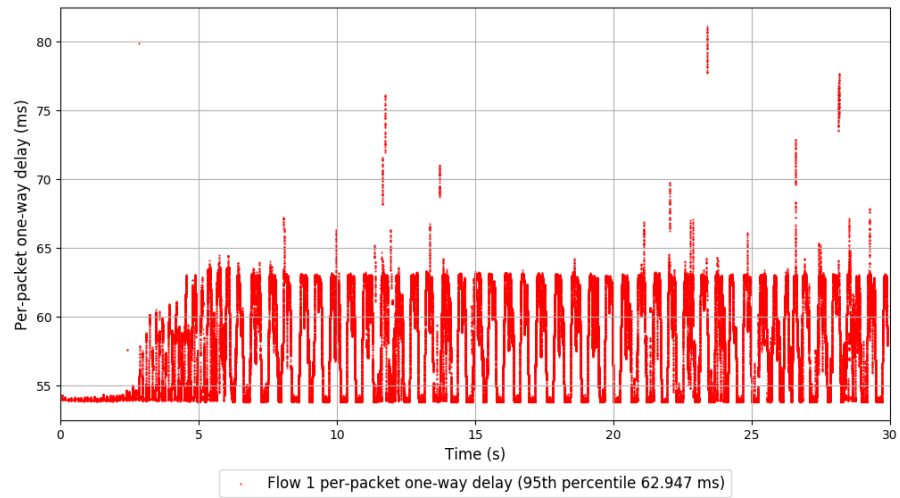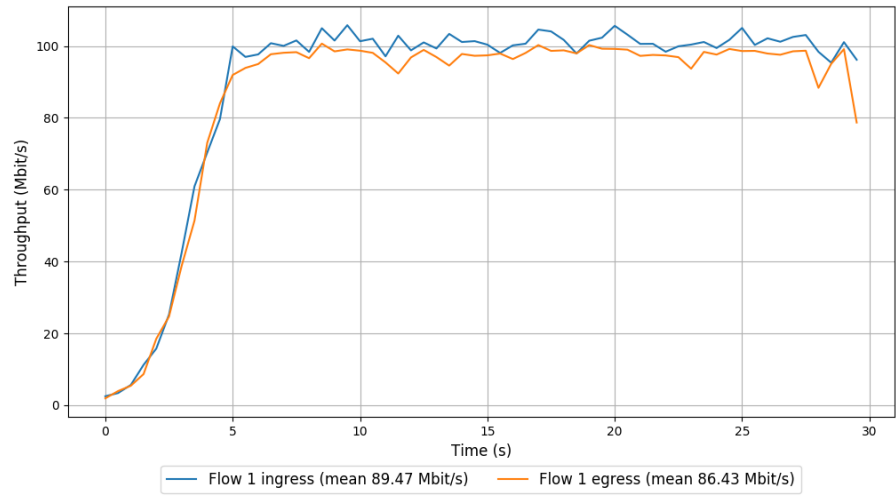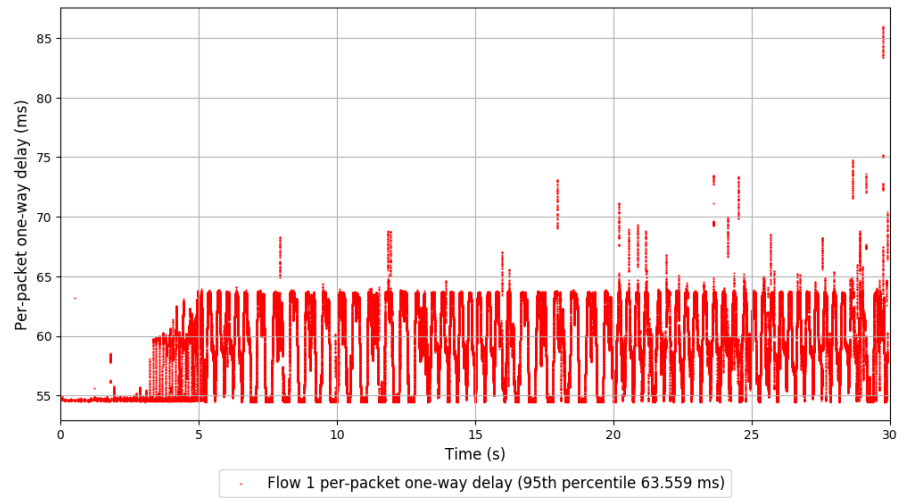
Run 4: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 89.47 Mbit/s) — Flow 1 egress (mean 86.43 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.947 ms)

```
Run 5: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 11:36:28 +0000
End at: Wed, 05 Jul 2017 11:36:58 +0000
Local clock offset: 0.258 ms
Remote clock offset: -3.916 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:36:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 63.559 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 63.559 ms
Loss rate: 3.61%
```
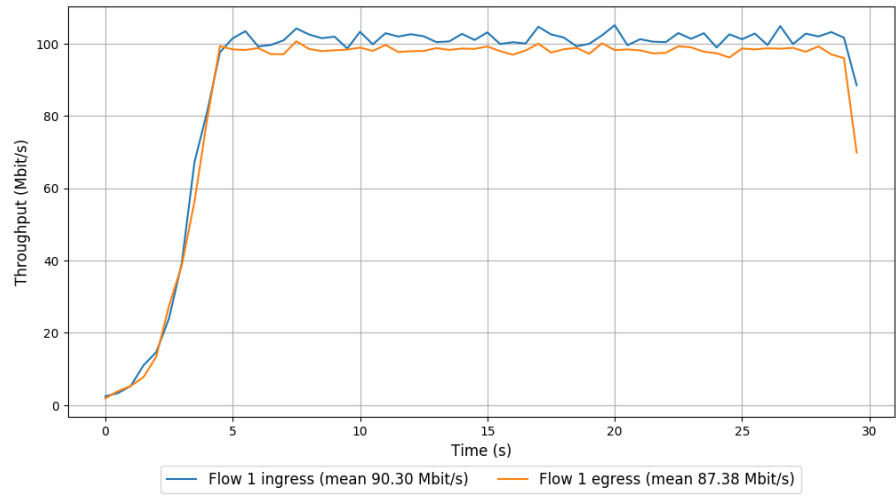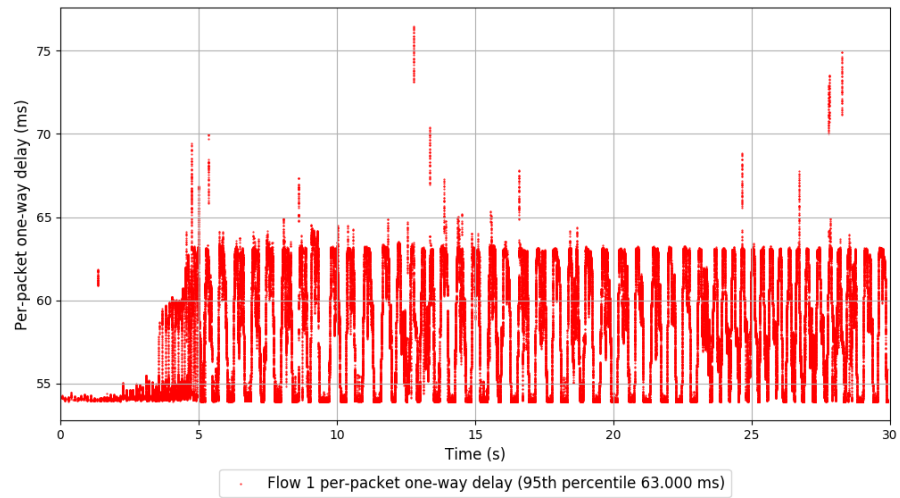
Run 5: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 90.30 Mbit/s) — Flow 1 egress (mean 87.38 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.559 ms)

```
Run 6: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 11:53:55 +0000
End at: Wed, 05 Jul 2017 11:54:25 +0000
Local clock offset: 0.185 ms
Remote clock offset: -3.747 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:36:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 63.000 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 86.51 Mbit/s
95th percentile per-packet one-way delay: 63.000 ms
Loss rate: 3.38%
```
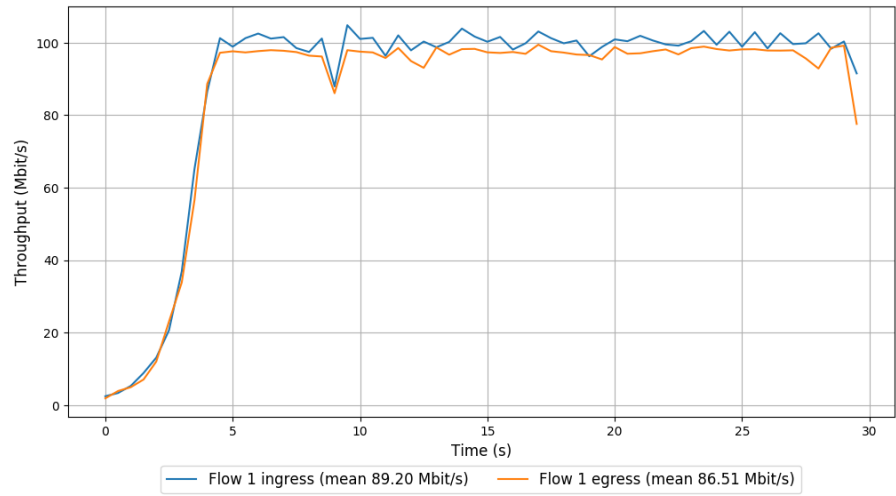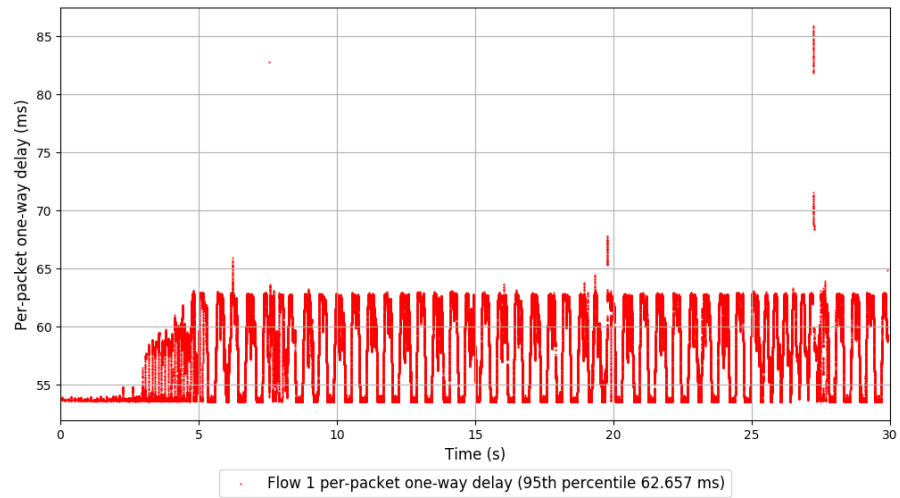
Run 6: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 89.20 Mbit/s)   Flow 1 egress (mean 86.51 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.000 ms)

```
Run 7: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 12:11:21 +0000
End at: Wed, 05 Jul 2017 12:11:51 +0000
Local clock offset: 0.118 ms
Remote clock offset: -3.867 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:36:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 62.657 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 62.657 ms
Loss rate: 3.44%
```
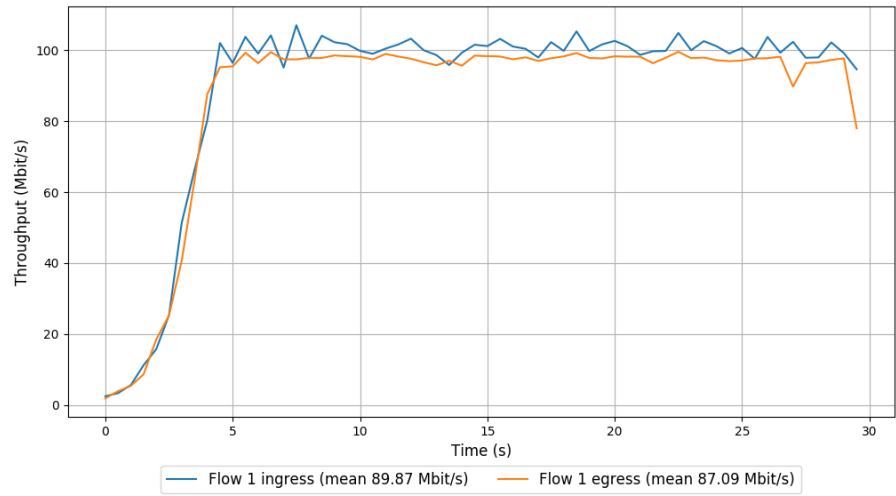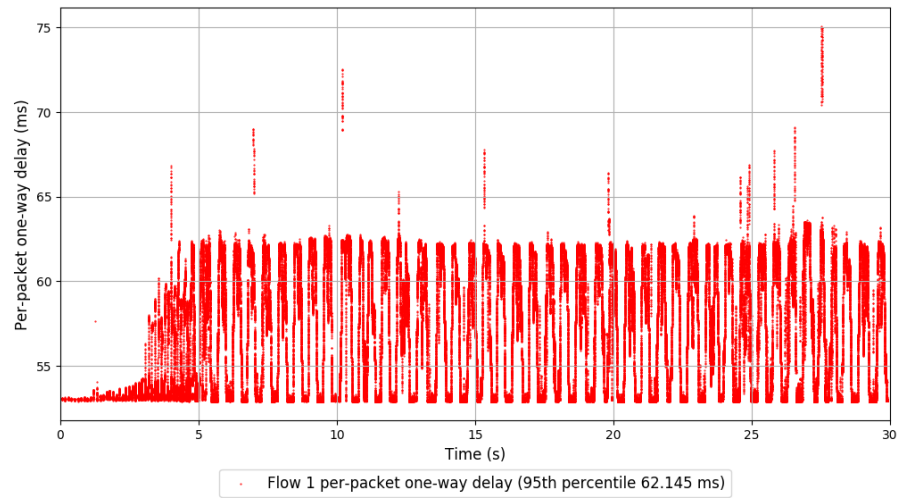
Run 7: Report of CalibratedKoho — Data Link

```
Run 8: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 12:28:56 +0000
End at: Wed, 05 Jul 2017 12:29:26 +0000
Local clock offset: -0.025 ms
Remote clock offset: -4.839 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:36:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 62.145 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 62.145 ms
Loss rate: 3.44%
```
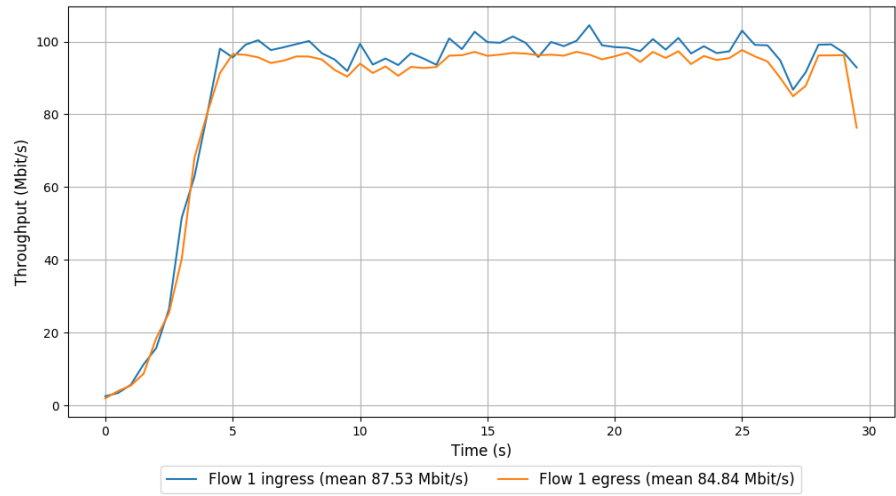
Run 8: Report of CalibratedKoho — Data Link

```
Run 9: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 12:46:26 +0000
End at: Wed, 05 Jul 2017 12:46:56 +0000
Local clock offset: 0.099 ms
Remote clock offset: -4.87 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:36:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 62.254 ms
Loss rate: 3.44%
-- Flow 1:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 62.254 ms
Loss rate: 3.44%
```
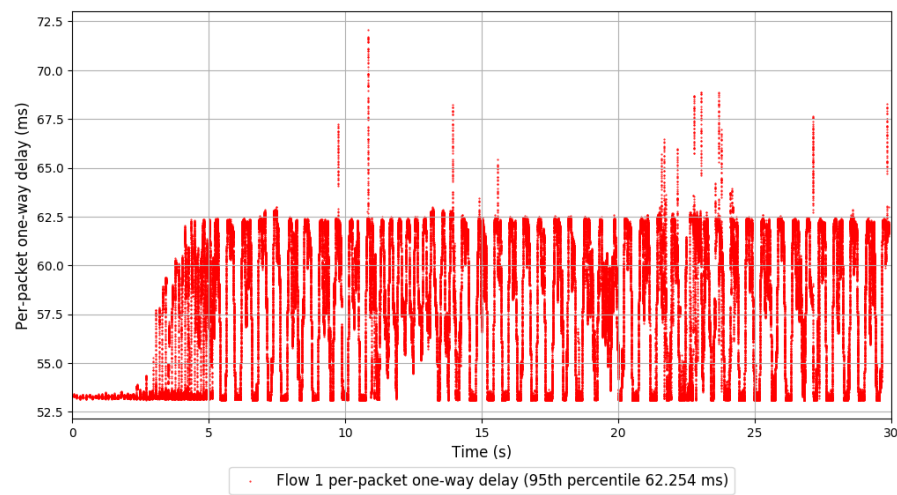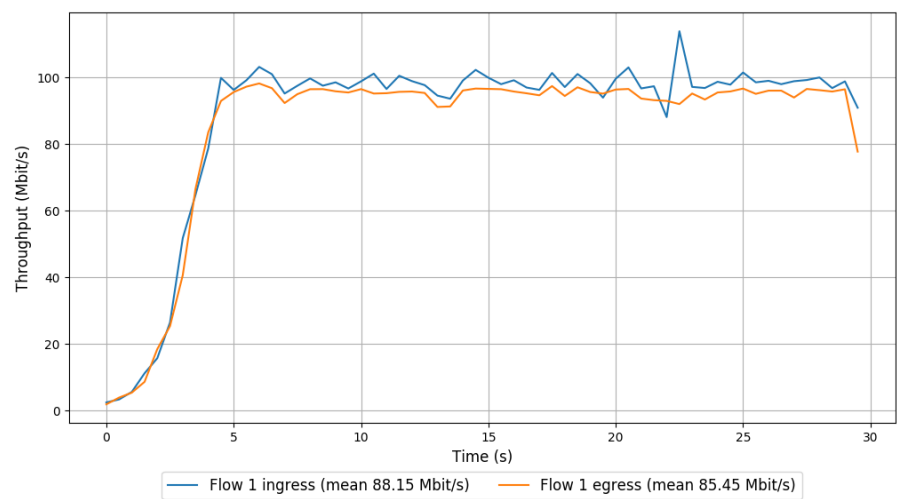
Run 9: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 88.15 Mbit/s)   Flow 1 egress (mean 85.45 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.254 ms)

```
Run 10: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 13:03:57 +0000
End at: Wed, 05 Jul 2017 13:04:27 +0000
Local clock offset: 0.098 ms
Remote clock offset: -5.31 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:36:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 61.492 ms
Loss rate: 4.39%
-- Flow 1:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 61.492 ms
Loss rate: 4.39%
```
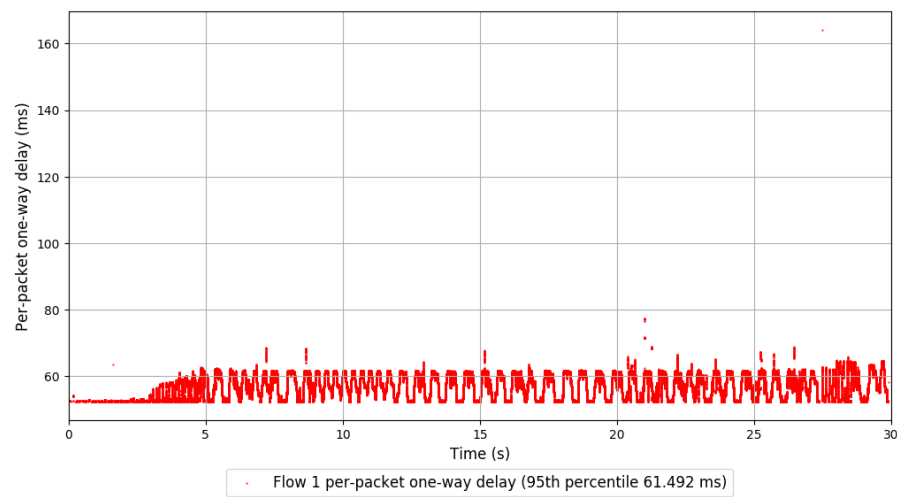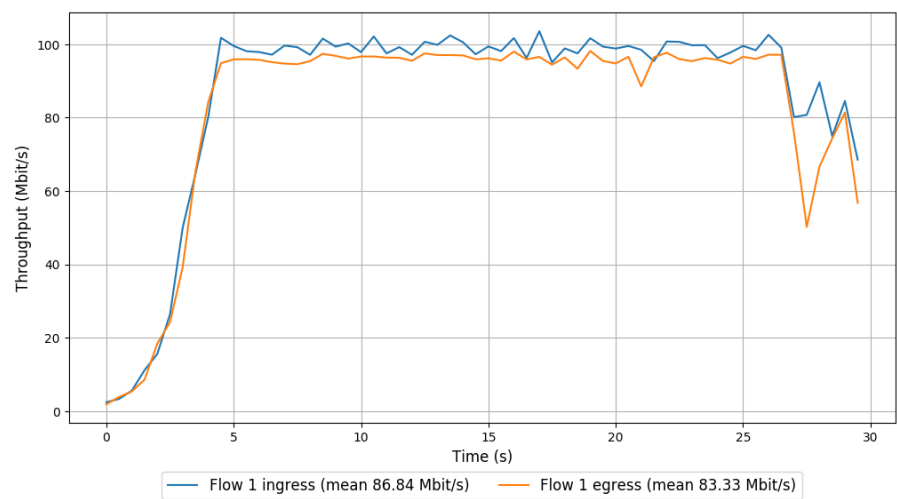
Run 10: Report of CalibratedKoho — Data Link

```
Run 1: Statistics of Copa

Start at: Wed, 05 Jul 2017 10:22:11 +0000
End at: Wed, 05 Jul 2017 10:22:41 +0000
Local clock offset: 0.345 ms
Remote clock offset: -2.64 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:37:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 63.600 ms
Loss rate: 8.37%
-- Flow 1:
Average throughput: 86.15 Mbit/s
95th percentile per-packet one-way delay: 63.600 ms
Loss rate: 8.37%
```
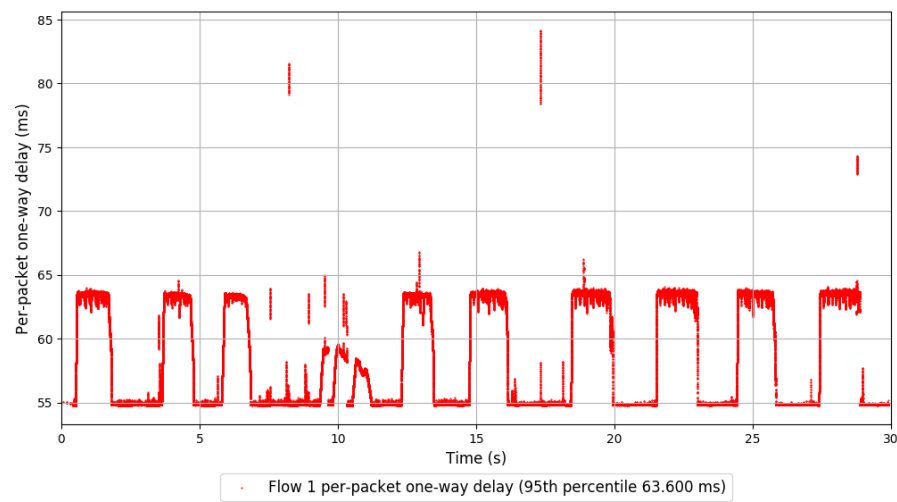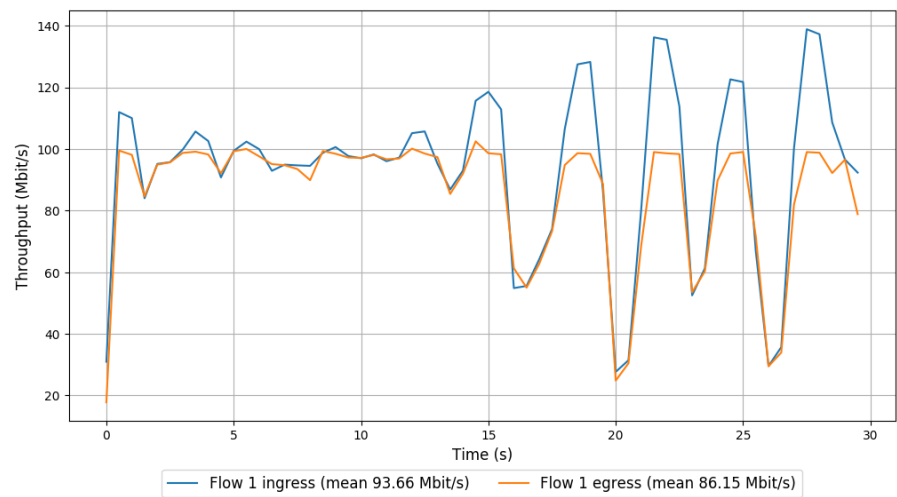
Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 93.66 Mbit/s) ———— Flow 1 egress (mean 86.15 Mbit/s)

·   Flow 1 per-packet one-way delay (95th percentile 63.600 ms)

```
Run 2: Statistics of Copa

Start at: Wed, 05 Jul 2017 10:39:22 +0000
End at: Wed, 05 Jul 2017 10:39:52 +0000
Local clock offset: 0.339 ms
Remote clock offset: -3.396 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:37:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.47 Mbit/s
95th percentile per-packet one-way delay: 64.118 ms
Loss rate: 19.41%
-- Flow 1:
Average throughput: 79.47 Mbit/s
95th percentile per-packet one-way delay: 64.118 ms
Loss rate: 19.41%
```
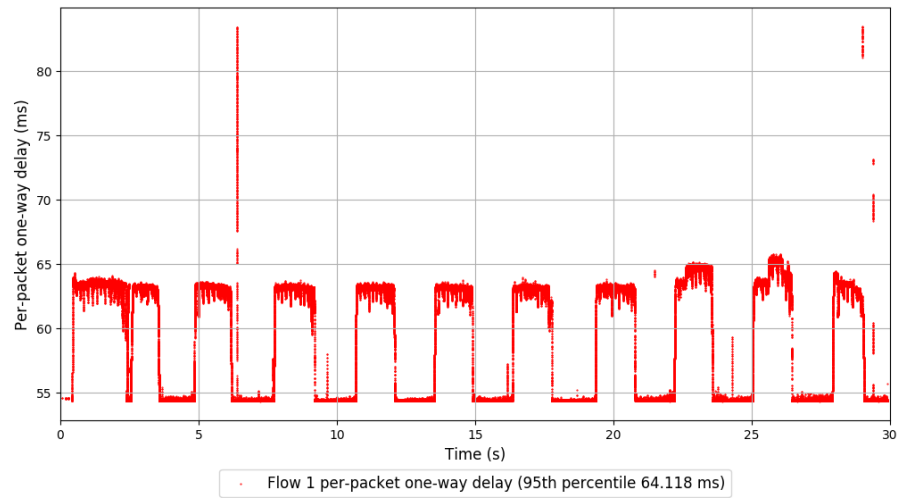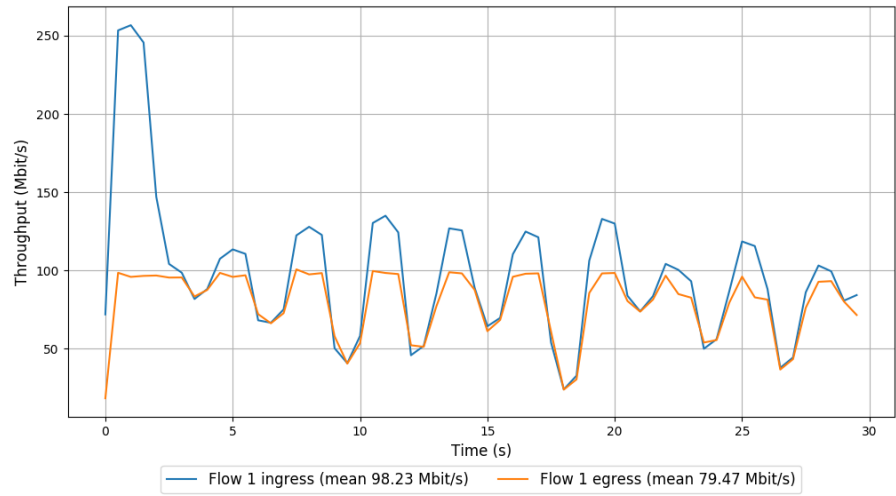
Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 98.23 Mbit/s) ——— Flow 1 egress (mean 79.47 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 64.118 ms)

47

```
Run 3: Statistics of Copa

Start at: Wed, 05 Jul 2017 10:56:58 +0000
End at: Wed, 05 Jul 2017 10:57:28 +0000
Local clock offset: 0.31 ms
Remote clock offset: -3.557 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:37:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 63.133 ms
Loss rate: 7.20%
-- Flow 1:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 63.133 ms
Loss rate: 7.20%
```
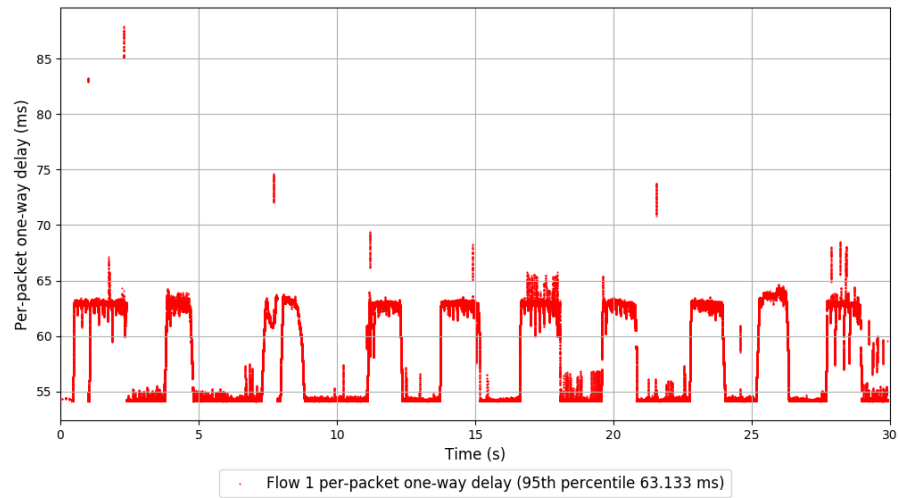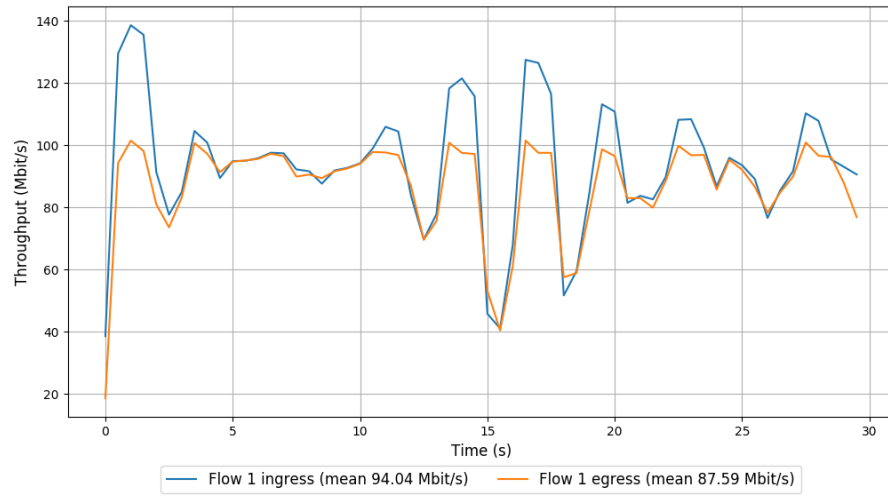
Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 94.04 Mbit/s) — Flow 1 egress (mean 87.59 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.133 ms)

```
Run 4: Statistics of Copa

Start at: Wed, 05 Jul 2017 11:14:20 +0000
End at: Wed, 05 Jul 2017 11:14:50 +0000
Local clock offset: 0.201 ms
Remote clock offset: -3.879 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:37:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 62.337 ms
Loss rate: 11.22%
-- Flow 1:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 62.337 ms
Loss rate: 11.22%
```
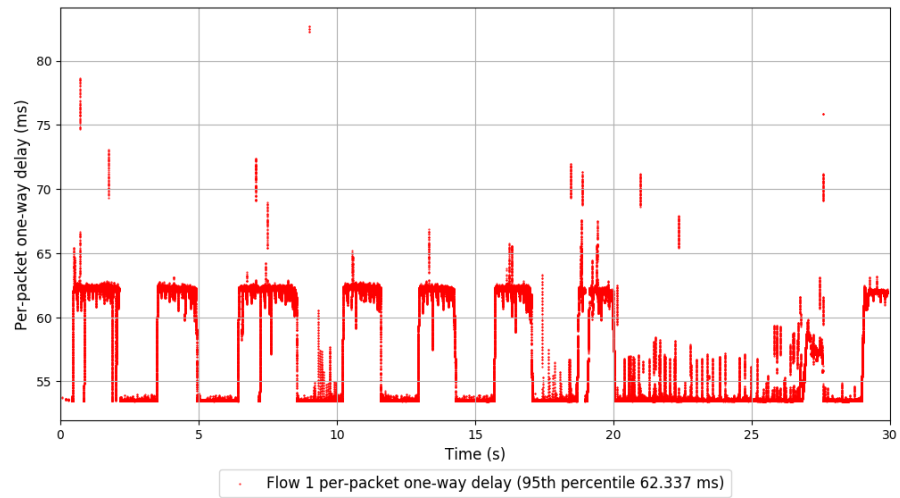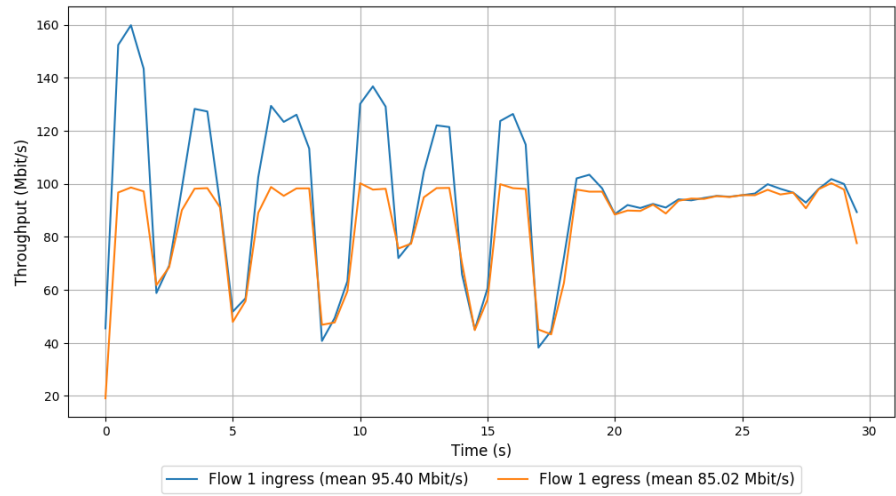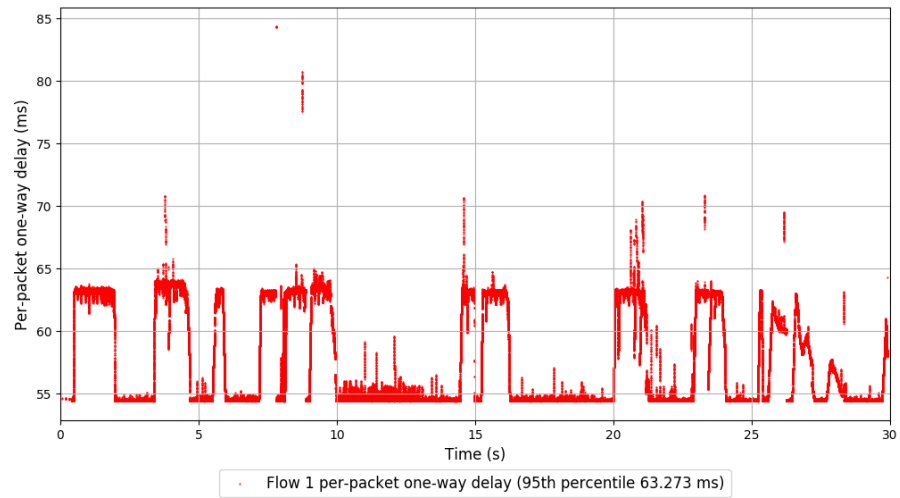
Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 95.40 Mbit/s)   Flow 1 egress (mean 85.02 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.337 ms)

```
Run 5: Statistics of Copa

Start at: Wed, 05 Jul 2017 11:31:51 +0000
End at: Wed, 05 Jul 2017 11:32:21 +0000
Local clock offset: 0.268 ms
Remote clock offset: -3.774 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:37:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 63.273 ms
Loss rate: 3.88%
-- Flow 1:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 63.273 ms
Loss rate: 3.88%
```
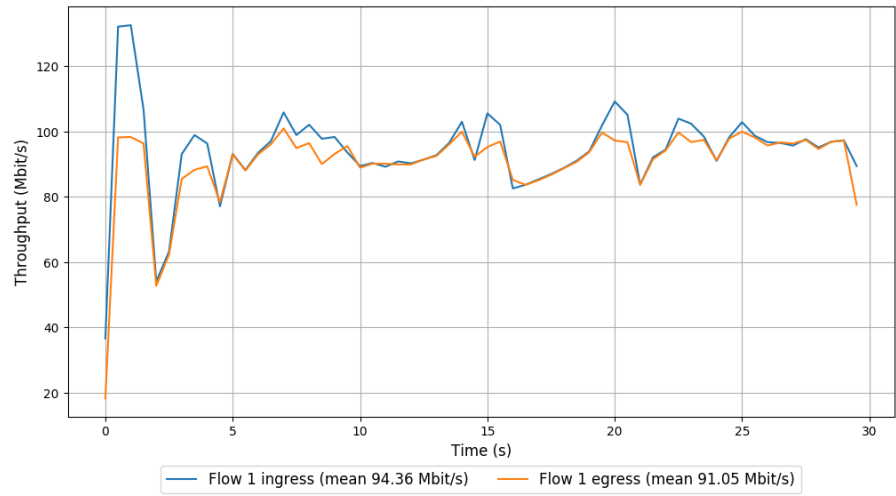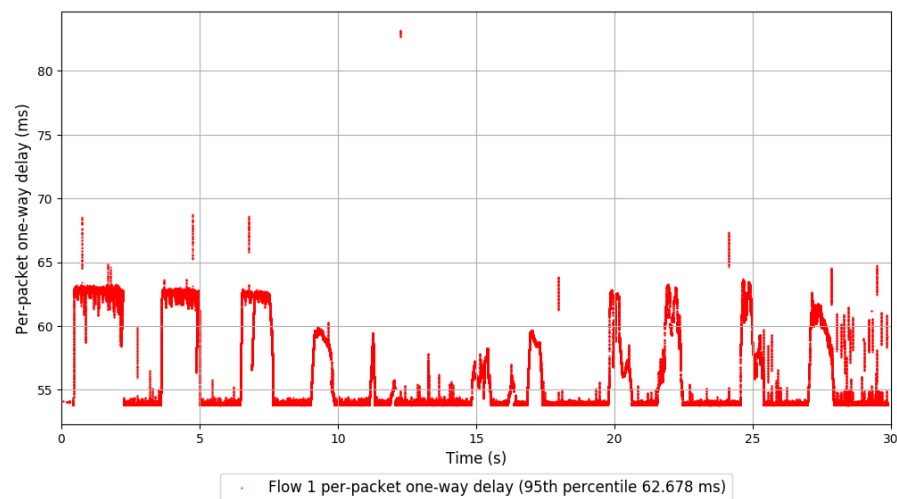
Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 94.36 Mbit/s) — Flow 1 egress (mean 91.05 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 63.273 ms)

```
Run 6: Statistics of Copa

Start at: Wed, 05 Jul 2017 11:49:16 +0000
End at: Wed, 05 Jul 2017 11:49:46 +0000
Local clock offset: 0.209 ms
Remote clock offset: -4.197 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:37:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 62.678 ms
Loss rate: 8.00%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 62.678 ms
Loss rate: 8.00%
```
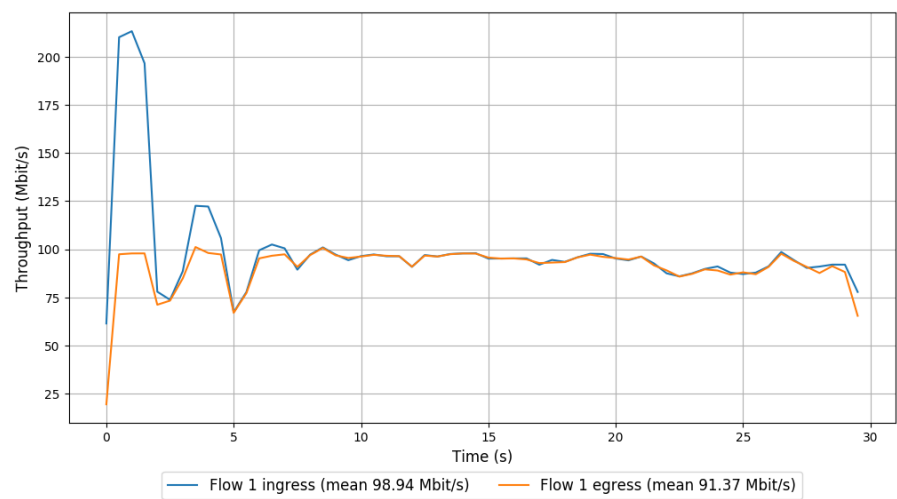
Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: Wed, 05 Jul 2017 12:06:43 +0000
End at: Wed, 05 Jul 2017 12:07:13 +0000
Local clock offset: 0.08 ms
Remote clock offset: -4.229 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:38:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 62.324 ms
Loss rate: 4.22%
-- Flow 1:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 62.324 ms
Loss rate: 4.22%
```
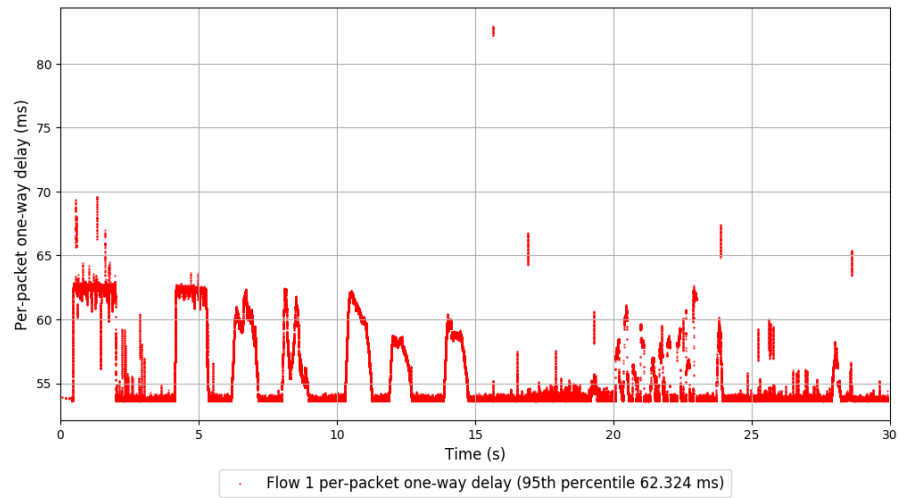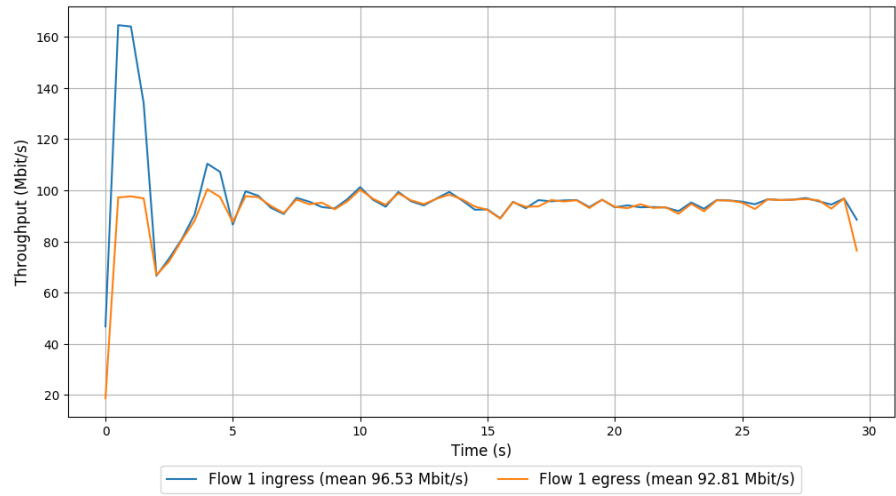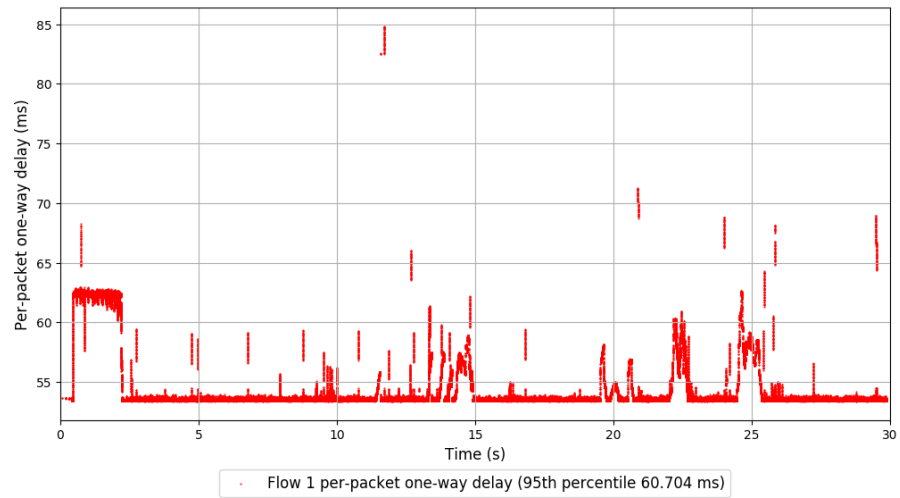
Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 96.53 Mbit/s) — Flow 1 egress (mean 92.81 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 62.324 ms)

```
Run 8: Statistics of Copa

Start at: Wed, 05 Jul 2017 12:24:17 +0000
End at: Wed, 05 Jul 2017 12:24:47 +0000
Local clock offset: 0.082 ms
Remote clock offset: -4.726 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:38:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 60.704 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 60.704 ms
Loss rate: 5.55%
```
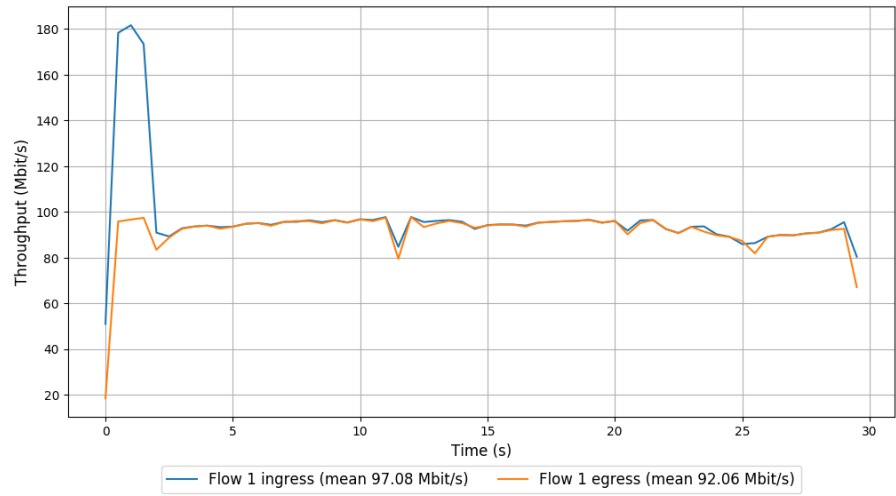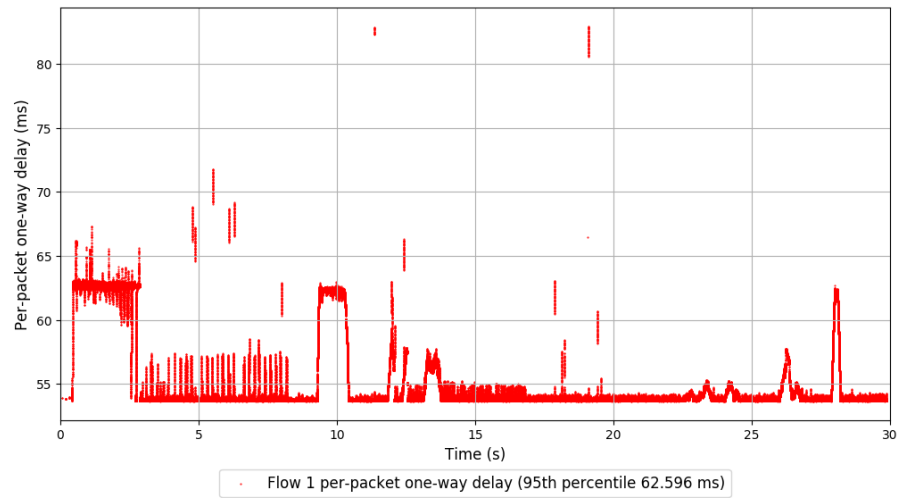
Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 97.08 Mbit/s) —— Flow 1 egress (mean 92.06 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 60.704 ms)

59

```
Run 9: Statistics of Copa

Start at: Wed, 05 Jul 2017 12:41:47 +0000
End at: Wed, 05 Jul 2017 12:42:17 +0000
Local clock offset: 0.144 ms
Remote clock offset: -4.837 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:38:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 62.596 ms
Loss rate: 15.63%
-- Flow 1:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 62.596 ms
Loss rate: 15.63%
```
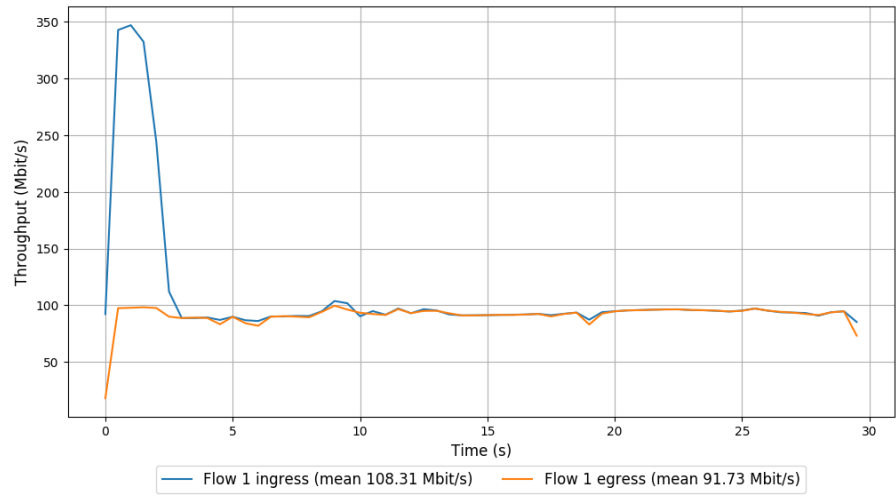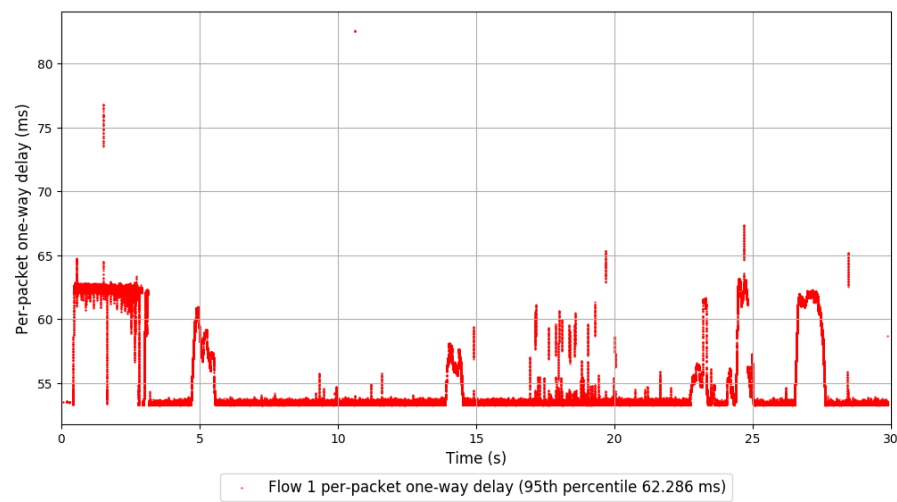
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 108.31 Mbit/s) — Flow 1 egress (mean 91.73 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 62.596 ms)

```
Run 10: Statistics of Copa

Start at: Wed, 05 Jul 2017 12:59:18 +0000
End at: Wed, 05 Jul 2017 12:59:48 +0000
Local clock offset: 0.039 ms
Remote clock offset: -4.792 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:38:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 62.286 ms
Loss rate: 17.22%
-- Flow 1:
Average throughput: 90.91 Mbit/s
95th percentile per-packet one-way delay: 62.286 ms
Loss rate: 17.22%
```
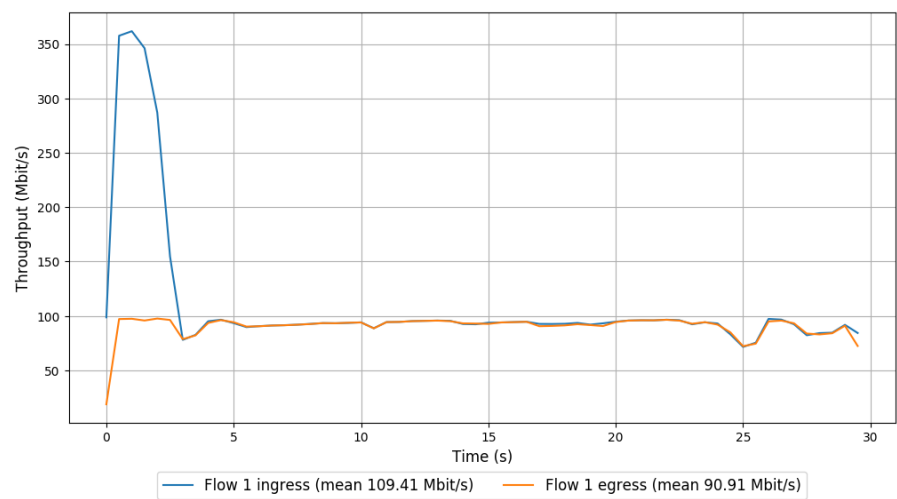
Run 10: Report of Copa — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 10:12:43 +0000
End at: Wed, 05 Jul 2017 10:13:14 +0000
Local clock offset: 0.272 ms
Remote clock offset: -3.463 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:38:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 56.362 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 56.362 ms
Loss rate: 1.31%
```
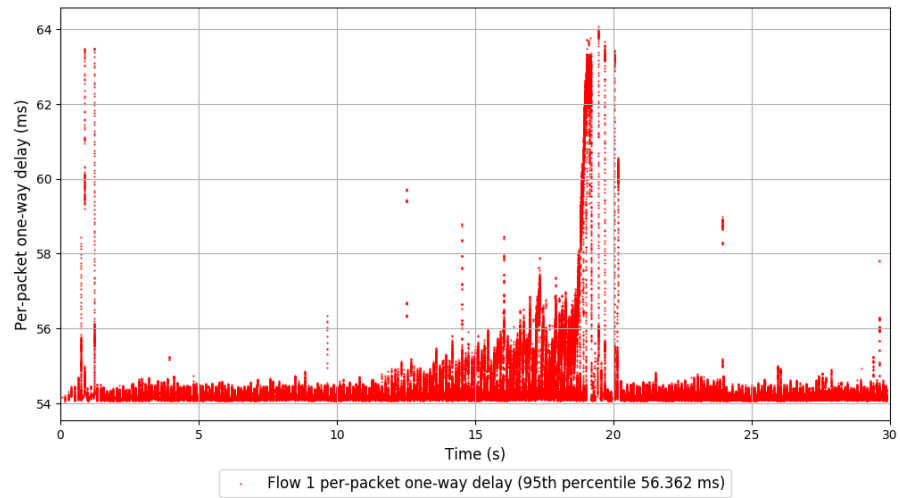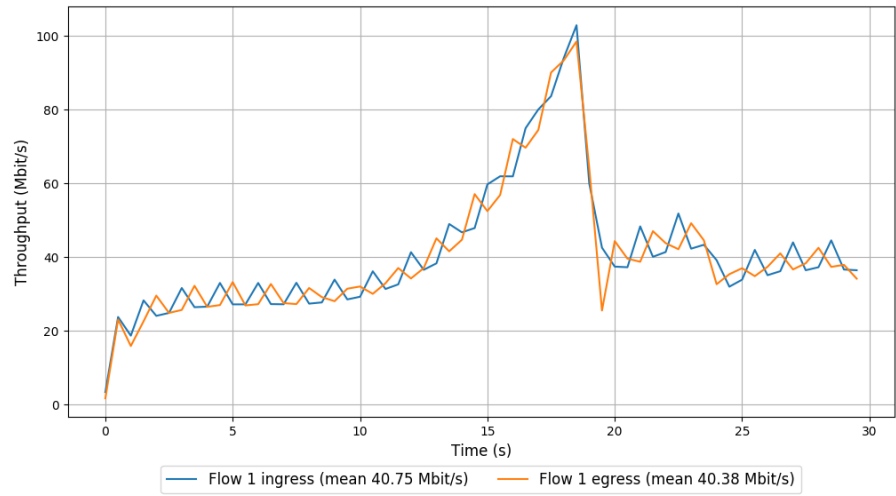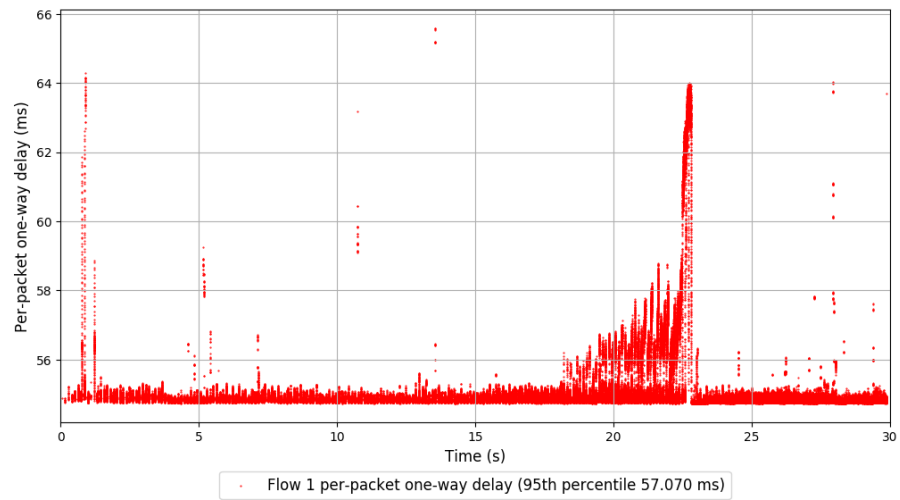
Run 1: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 40.75 Mbit/s)   Flow 1 egress (mean 40.38 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 56.362 ms)

```
Run 2: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 10:30:22 +0000
End at: Wed, 05 Jul 2017 10:30:52 +0000
Local clock offset: 0.318 ms
Remote clock offset: -3.238 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:38:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 57.070 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 57.070 ms
Loss rate: 0.78%
```
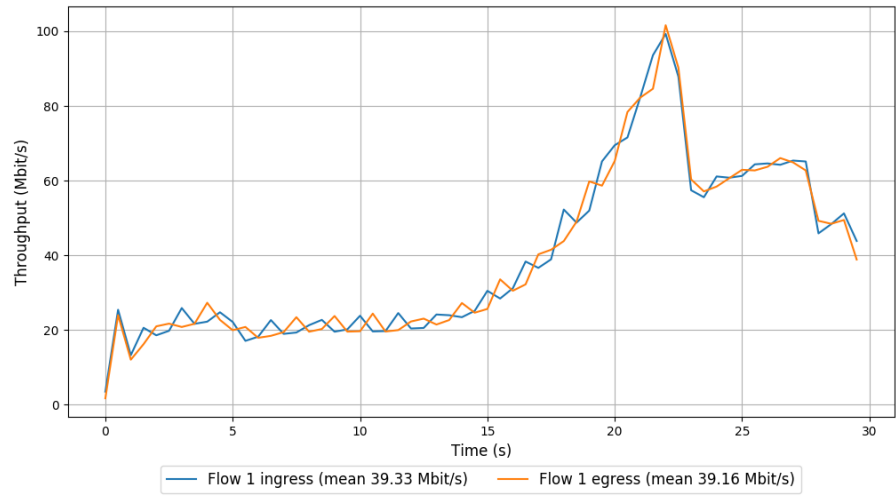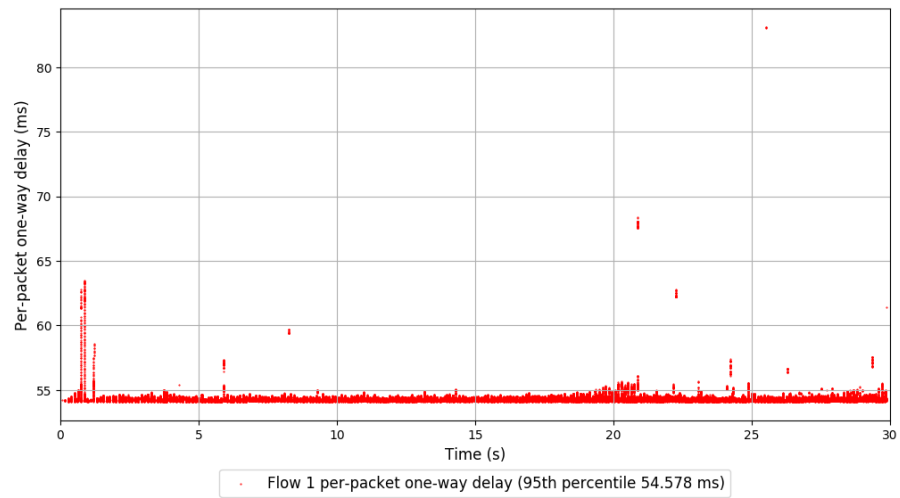
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 10:47:33 +0000
End at: Wed, 05 Jul 2017 10:48:03 +0000
Local clock offset: 0.29 ms
Remote clock offset: -3.206 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:38:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 54.578 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 29.16 Mbit/s
95th percentile per-packet one-way delay: 54.578 ms
Loss rate: 1.06%
```
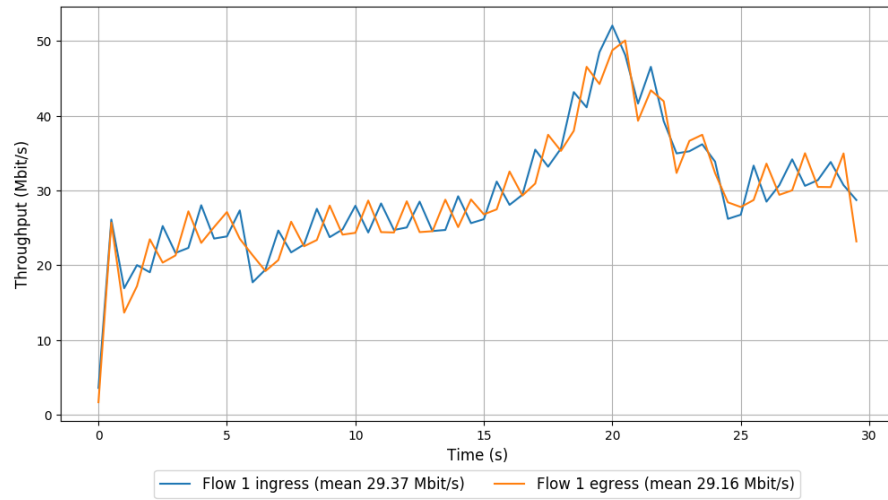
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 29.37 Mbit/s)   Flow 1 egress (mean 29.16 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.578 ms)

```
Run 4: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 11:05:02 +0000
End at: Wed, 05 Jul 2017 11:05:32 +0000
Local clock offset: 0.238 ms
Remote clock offset: -3.46 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:38:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.46 Mbit/s
95th percentile per-packet one-way delay: 54.624 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 34.46 Mbit/s
95th percentile per-packet one-way delay: 54.624 ms
Loss rate: 0.80%
```
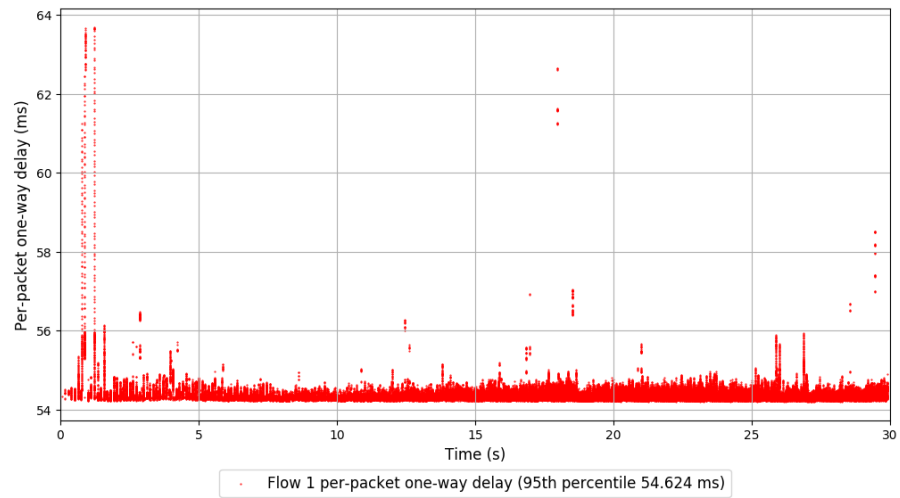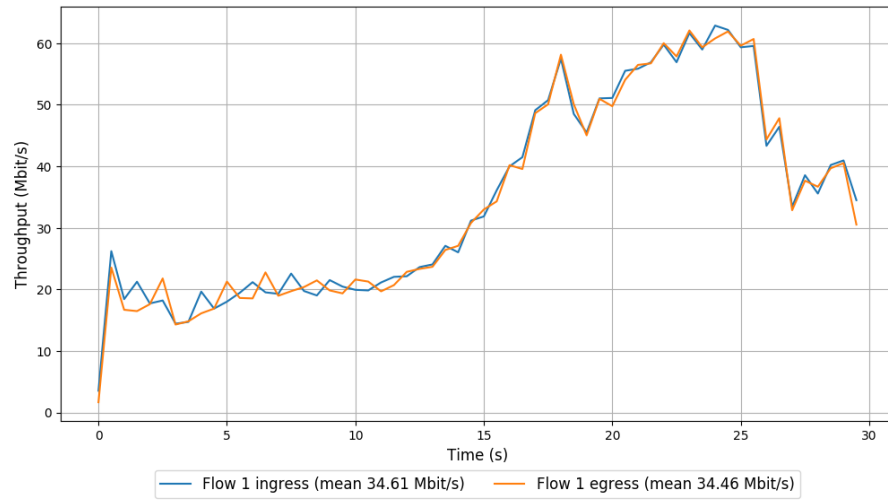
Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 11:22:30 +0000
End at: Wed, 05 Jul 2017 11:23:00 +0000
Local clock offset: 0.265 ms
Remote clock offset: -3.859 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:38:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 54.342 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 54.342 ms
Loss rate: 0.78%
```
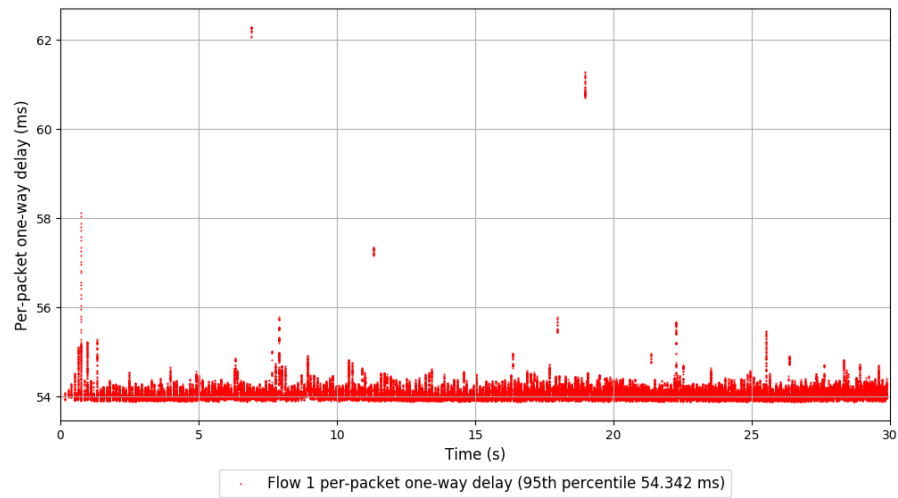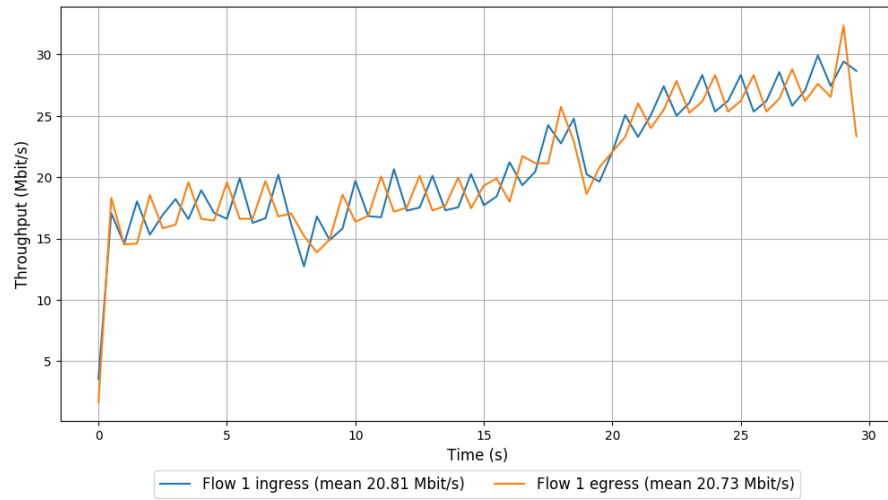
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 11:40:02 +0000
End at: Wed, 05 Jul 2017 11:40:32 +0000
Local clock offset: 0.246 ms
Remote clock offset: -3.899 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:38:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 54.530 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 54.530 ms
Loss rate: 1.22%
```
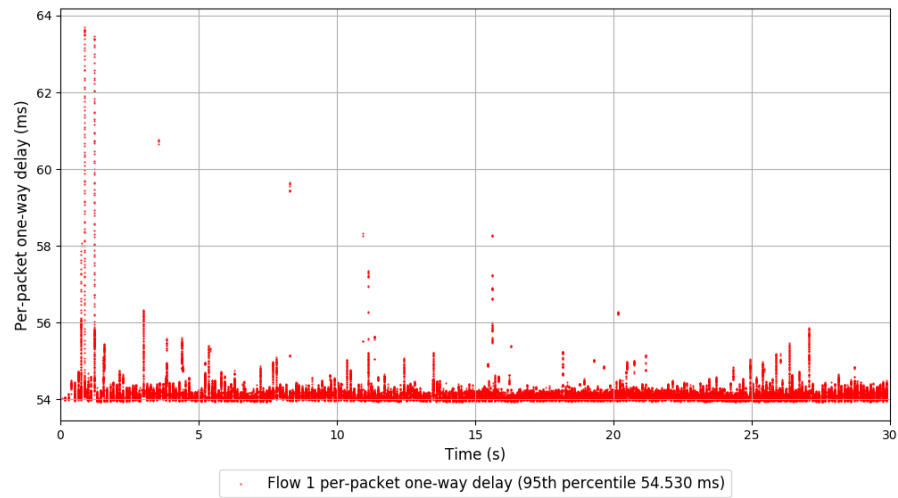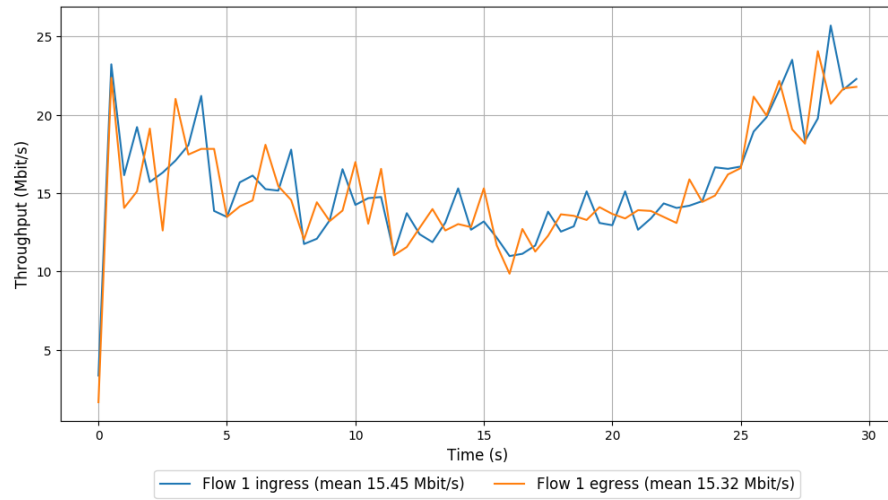
Run 6: Report of TCP Cubic — Data Link

```
Run 7: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 11:57:28 +0000
End at: Wed, 05 Jul 2017 11:57:58 +0000
Local clock offset: 0.172 ms
Remote clock offset: -3.695 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:38:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 53.847 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 36.14 Mbit/s
95th percentile per-packet one-way delay: 53.847 ms
Loss rate: 0.97%
```
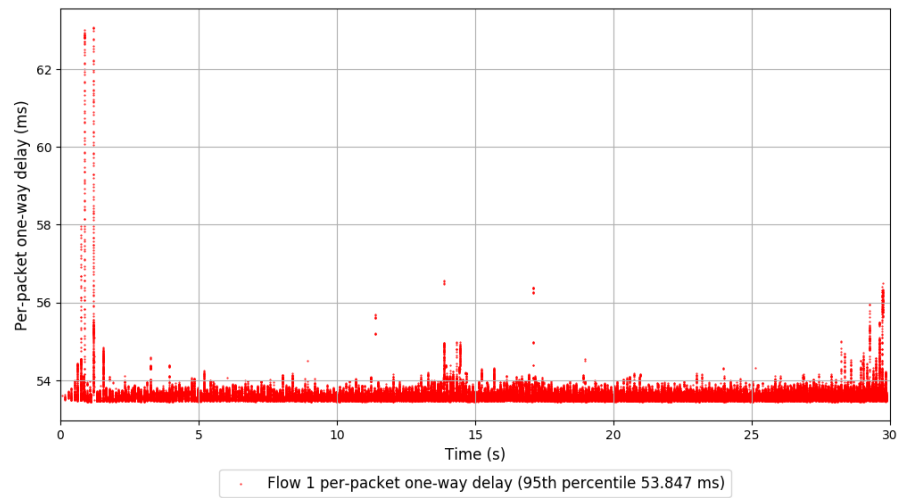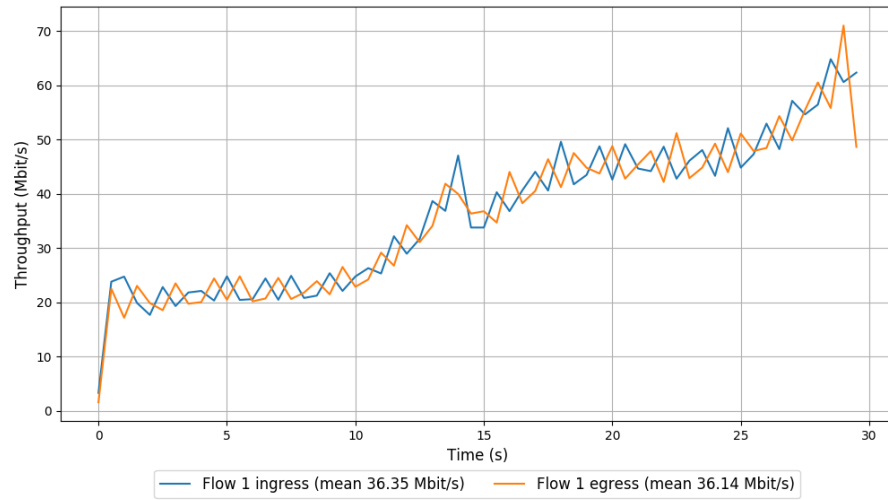
Run 7: Report of TCP Cubic — Data Link

```
Run 8: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 12:14:55 +0000
End at: Wed, 05 Jul 2017 12:15:25 +0000
Local clock offset: 0.115 ms
Remote clock offset: -4.195 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:38:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.90 Mbit/s
95th percentile per-packet one-way delay: 53.948 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 18.90 Mbit/s
95th percentile per-packet one-way delay: 53.948 ms
Loss rate: 1.43%
```
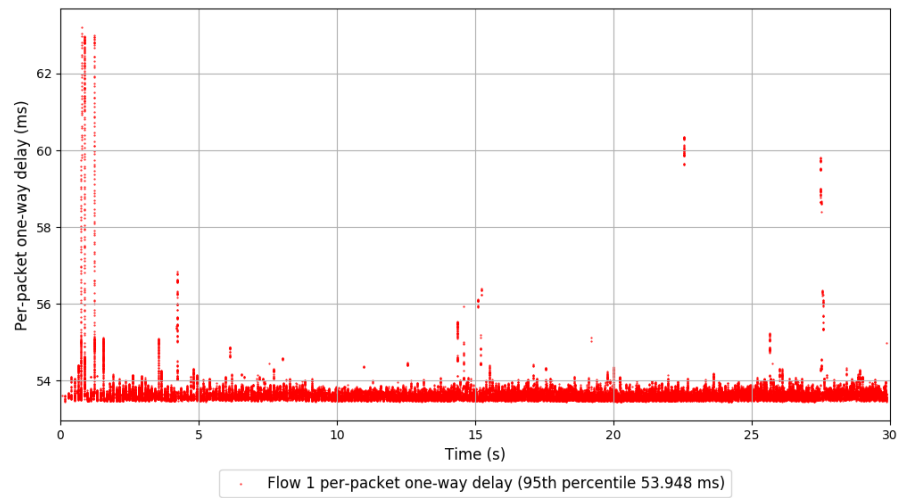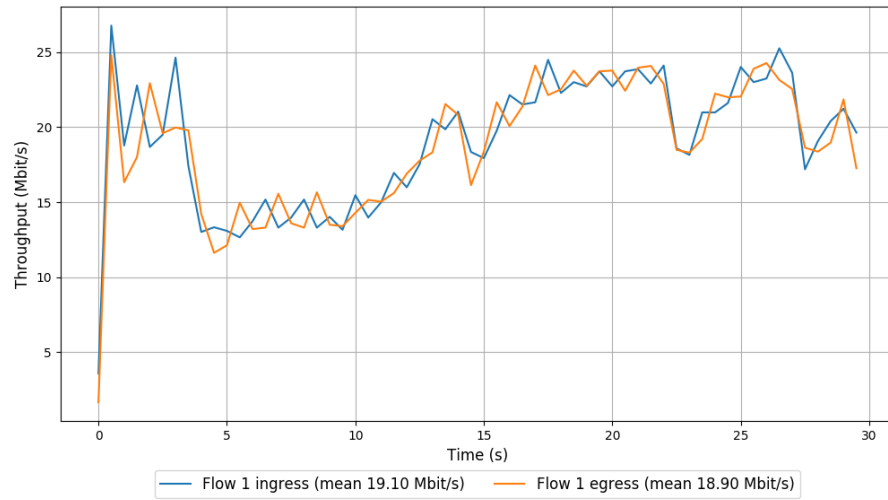
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 19.10 Mbit/s) —— Flow 1 egress (mean 18.90 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 53.948 ms)

```
Run 9: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 12:32:29 +0000
End at: Wed, 05 Jul 2017 12:32:59 +0000
Local clock offset: 0.154 ms
Remote clock offset: -4.706 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 53.883 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 53.883 ms
Loss rate: 1.09%
```
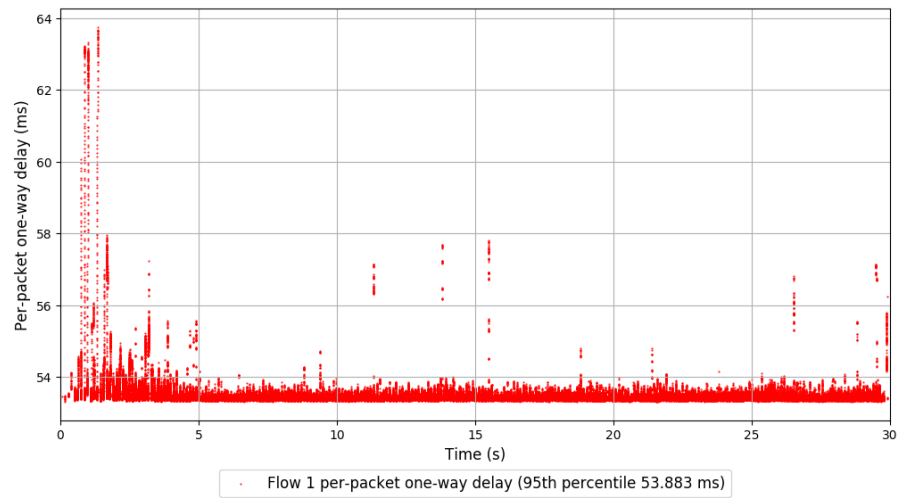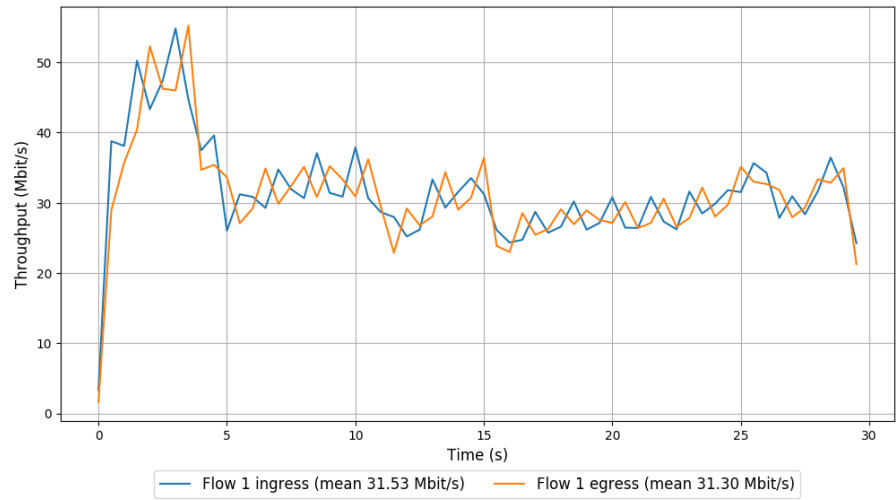
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 31.53 Mbit/s) — Flow 1 egress (mean 31.30 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.883 ms)

```
Run 10: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 12:50:00 +0000
End at: Wed, 05 Jul 2017 12:50:30 +0000
Local clock offset: 0.113 ms
Remote clock offset: -4.884 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 53.686 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 26.96 Mbit/s
95th percentile per-packet one-way delay: 53.686 ms
Loss rate: 1.34%
```
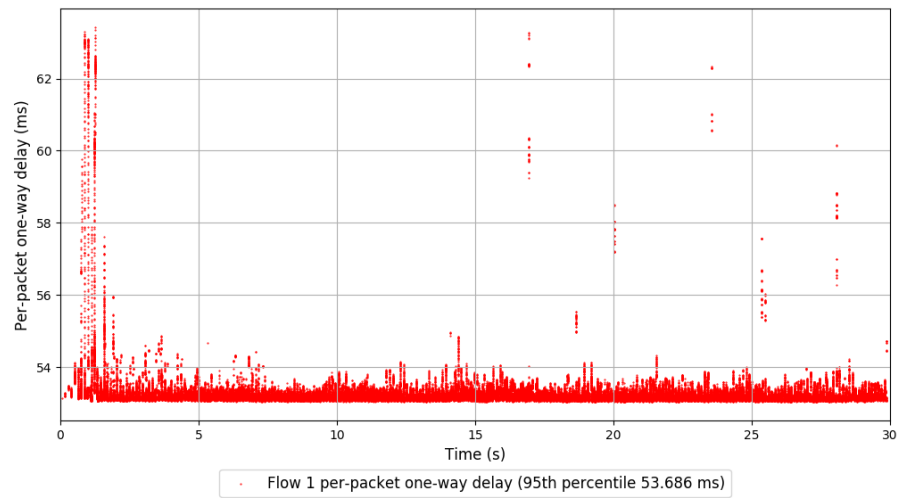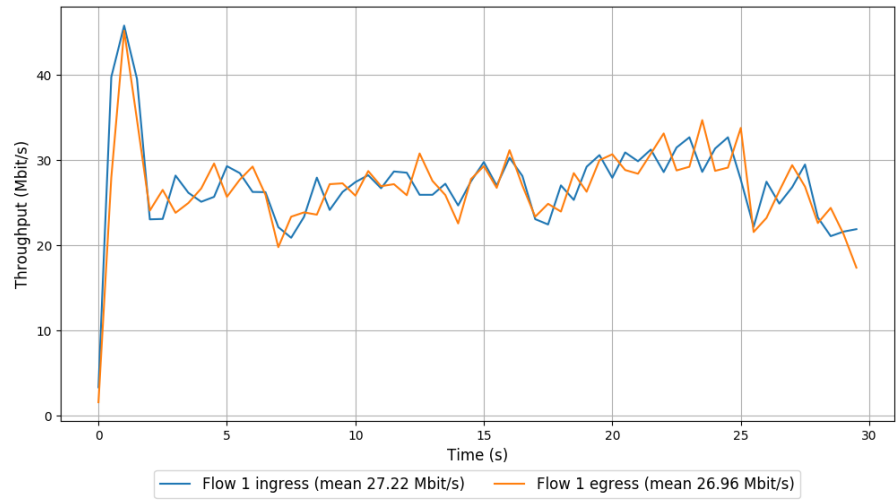
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 27.22 Mbit/s)   Flow 1 egress (mean 26.96 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.686 ms)

```
Run 1: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 10:23:28 +0000
End at: Wed, 05 Jul 2017 10:23:58 +0000
Local clock offset: 0.334 ms
Remote clock offset: -2.946 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 55.136 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 10.09 Mbit/s
95th percentile per-packet one-way delay: 55.136 ms
Loss rate: 0.61%
```
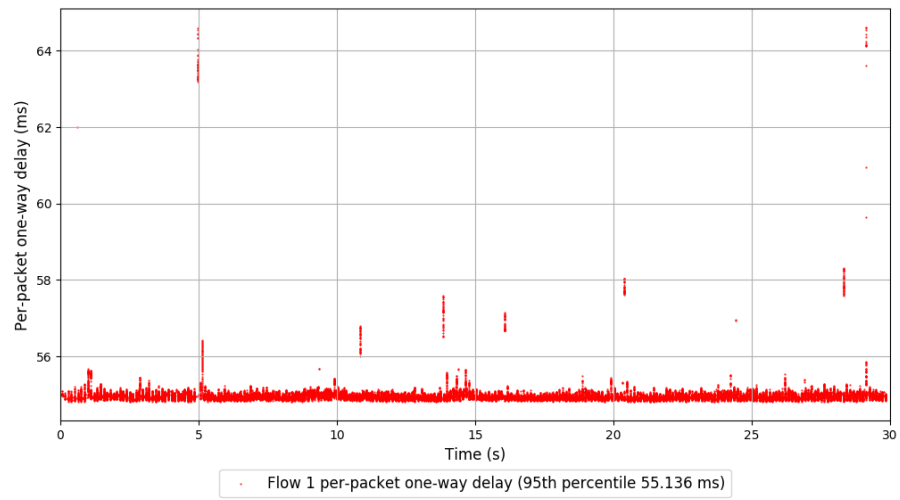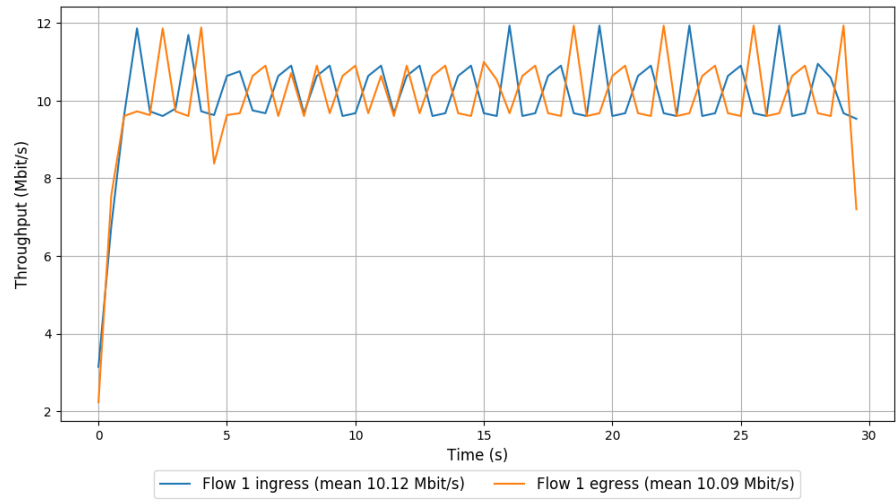
Run 1: Report of KohoCC — Data Link

```
Run 2: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 10:40:39 +0000
End at: Wed, 05 Jul 2017 10:41:09 +0000
Local clock offset: 0.378 ms
Remote clock offset: -3.034 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.23 Mbit/s
95th percentile per-packet one-way delay: 54.553 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 10.23 Mbit/s
95th percentile per-packet one-way delay: 54.553 ms
Loss rate: 0.42%
```
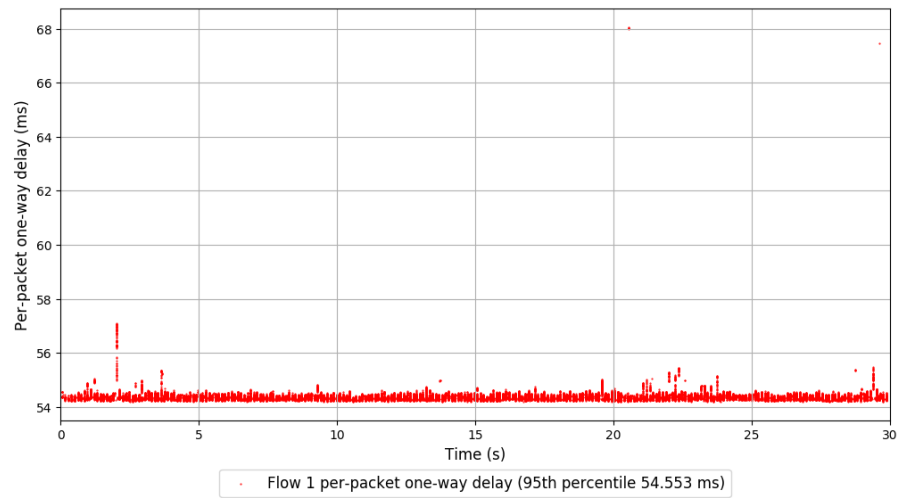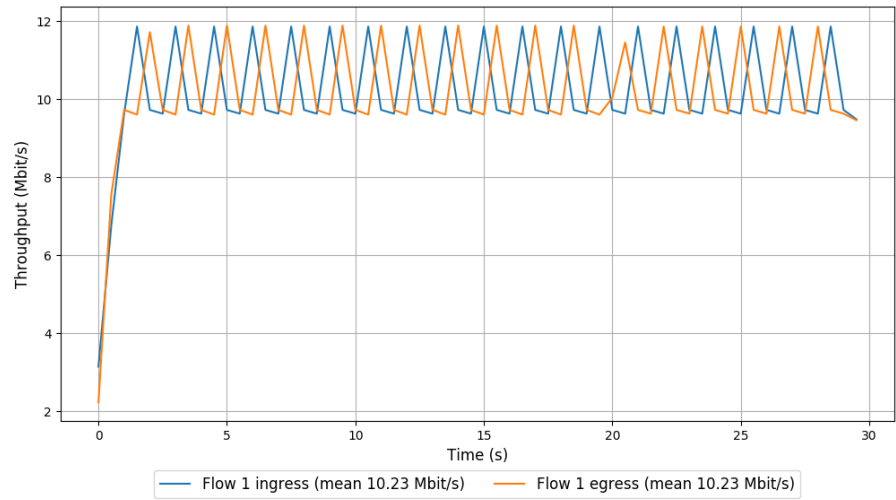
Run 2: Report of KohoCC — Data Link

```
Run 3: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 10:58:15 +0000
End at: Wed, 05 Jul 2017 10:58:45 +0000
Local clock offset: 0.347 ms
Remote clock offset: -3.135 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.21 Mbit/s
95th percentile per-packet one-way delay: 54.519 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 10.21 Mbit/s
95th percentile per-packet one-way delay: 54.519 ms
Loss rate: 0.48%
```
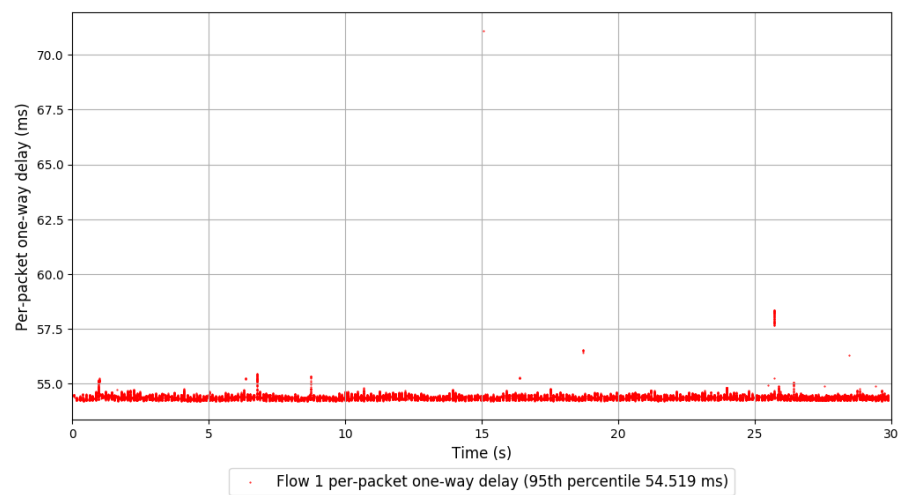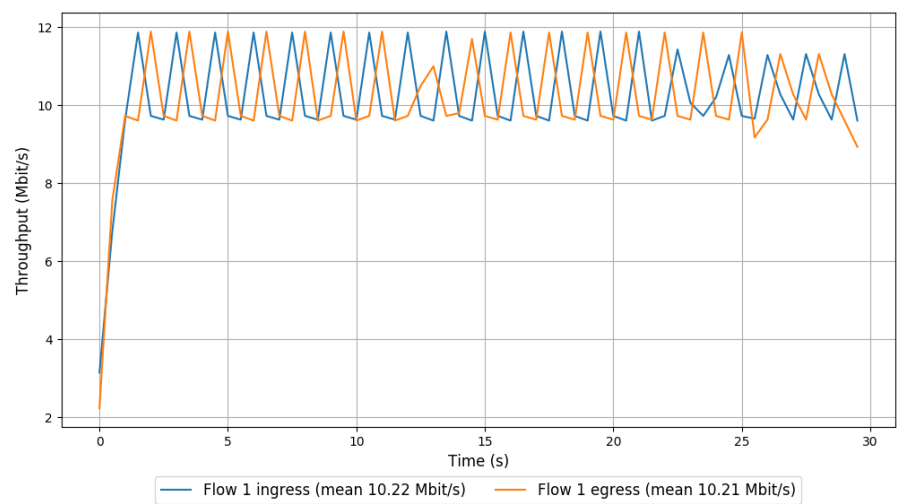
Run 3: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.22 Mbit/s)   Flow 1 egress (mean 10.21 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.519 ms)

```
Run 4: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 11:15:36 +0000
End at: Wed, 05 Jul 2017 11:16:06 +0000
Local clock offset: 0.262 ms
Remote clock offset: -3.994 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.07 Mbit/s
95th percentile per-packet one-way delay: 54.513 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 10.07 Mbit/s
95th percentile per-packet one-way delay: 54.513 ms
Loss rate: 0.40%
```
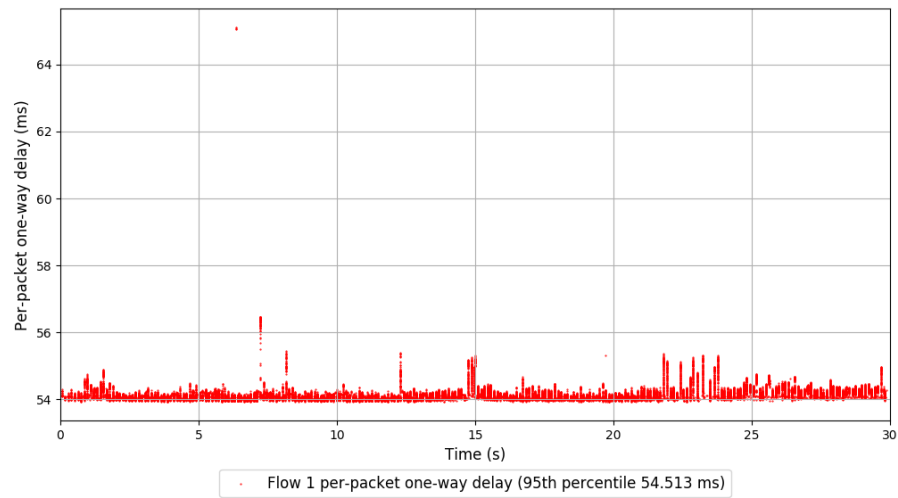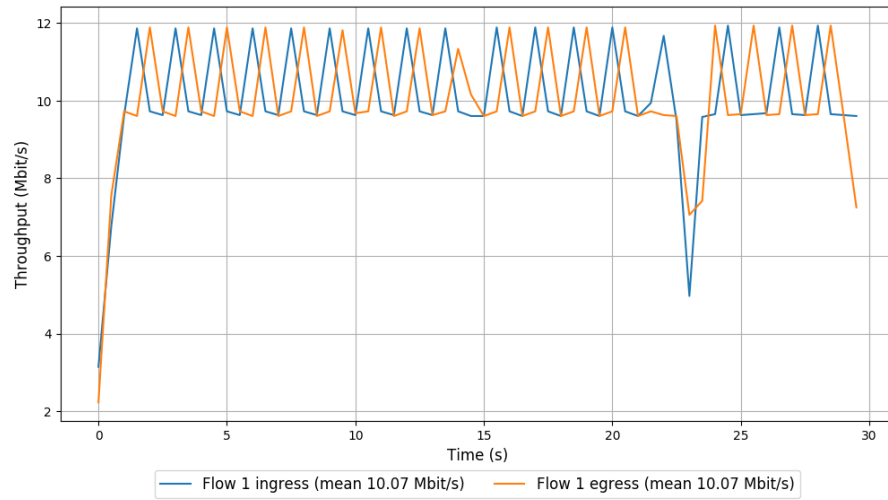
Run 4: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.07 Mbit/s) Flow 1 egress (mean 10.07 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.513 ms)

```
Run 5: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 11:33:09 +0000
End at: Wed, 05 Jul 2017 11:33:39 +0000
Local clock offset: 0.185 ms
Remote clock offset: -3.666 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 53.992 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 53.992 ms
Loss rate: 0.53%
```
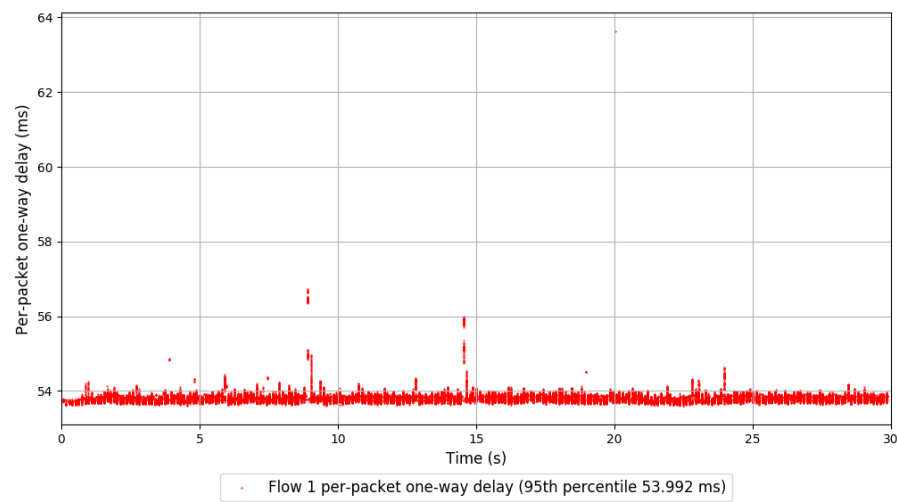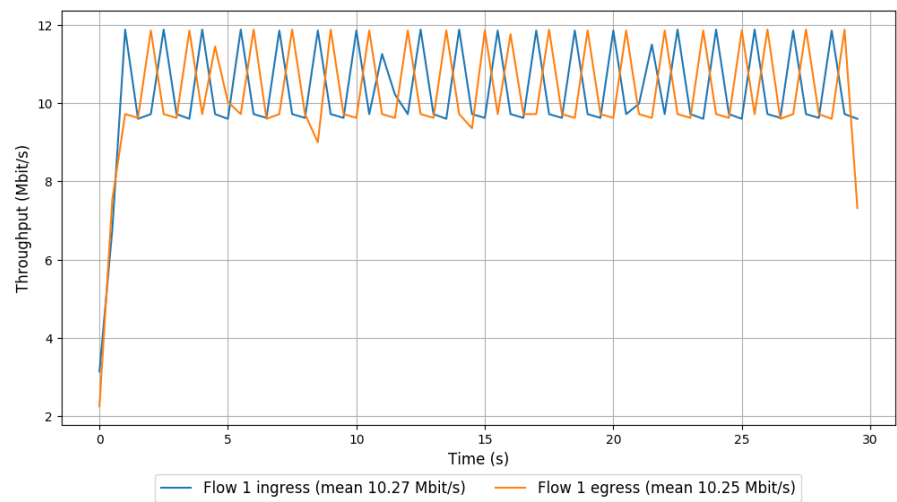
Run 5: Report of KohoCC — Data Link

```
Run 6: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 11:50:35 +0000
End at: Wed, 05 Jul 2017 11:51:05 +0000
Local clock offset: 0.194 ms
Remote clock offset: -3.892 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 53.855 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 53.855 ms
Loss rate: 0.65%
```
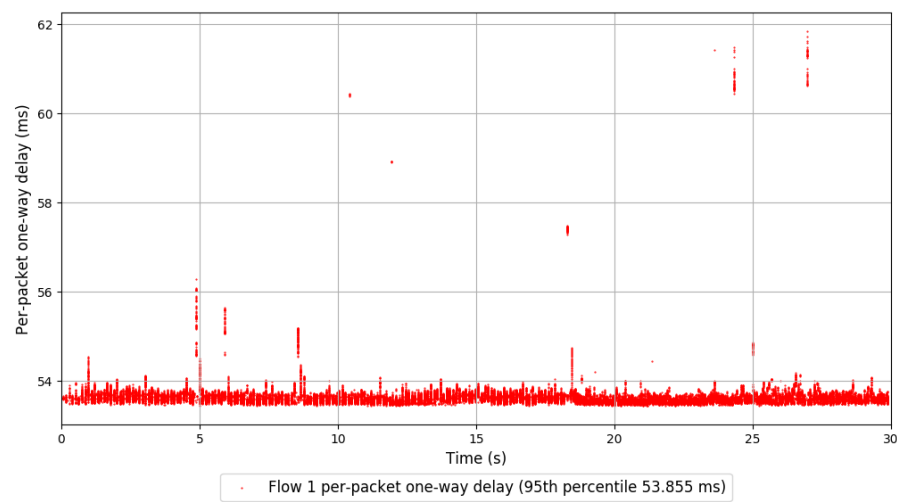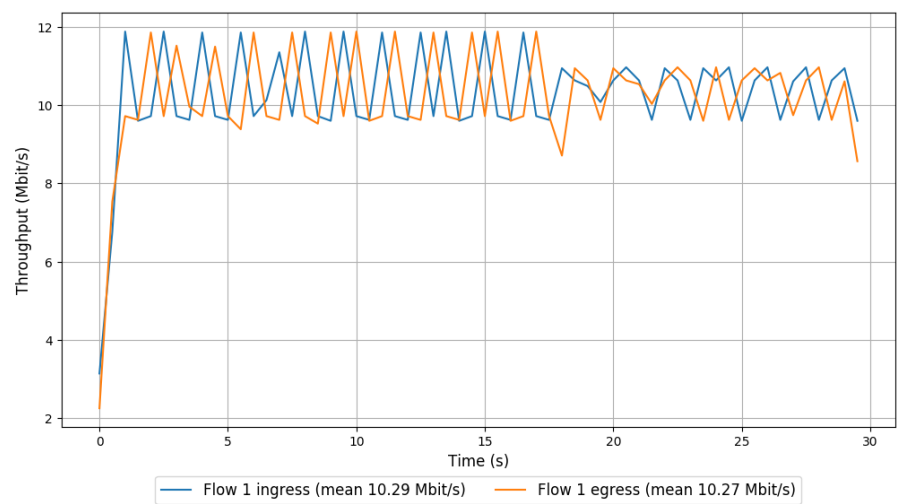
Run 6: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.29 Mbit/s) — Flow 1 egress (mean 10.27 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.855 ms)

```
Run 7: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 12:08:02 +0000
End at: Wed, 05 Jul 2017 12:08:32 +0000
Local clock offset: 0.096 ms
Remote clock offset: -4.244 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 54.121 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 54.121 ms
Loss rate: 0.60%
```
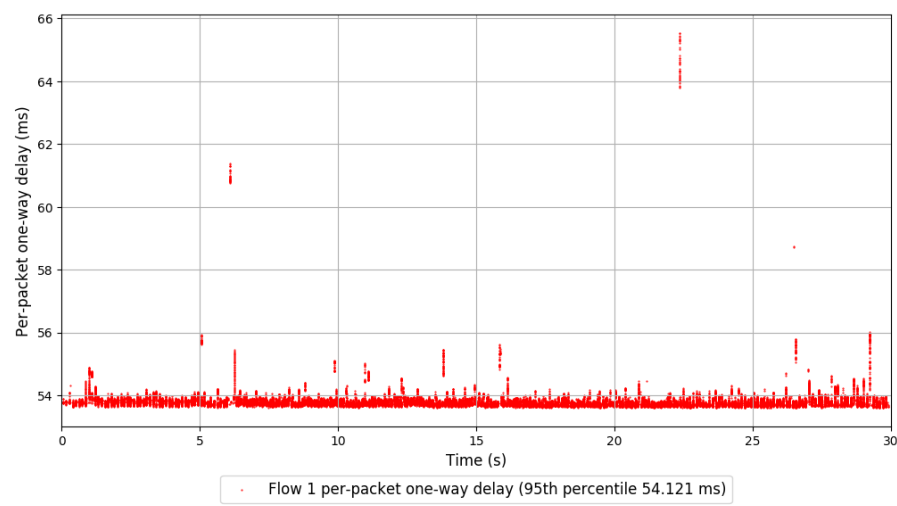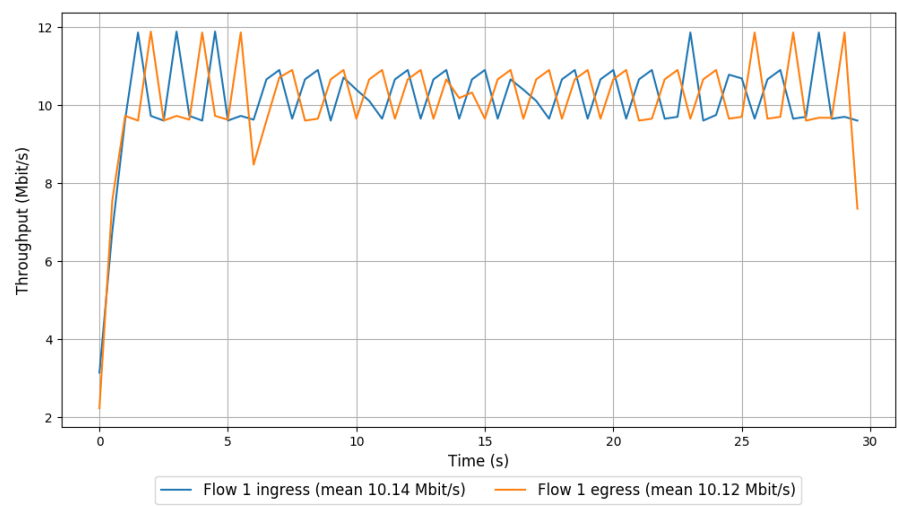
Run 7: Report of KohoCC — Data Link

```
Run 8: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 12:25:36 +0000
End at: Wed, 05 Jul 2017 12:26:06 +0000
Local clock offset: 0.009 ms
Remote clock offset: -4.321 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 54.336 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 10.16 Mbit/s
95th percentile per-packet one-way delay: 54.336 ms
Loss rate: 0.65%
```
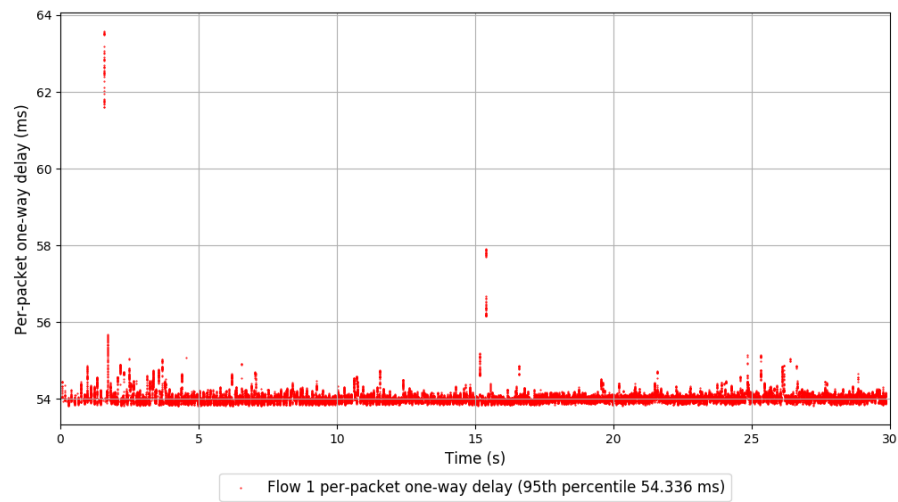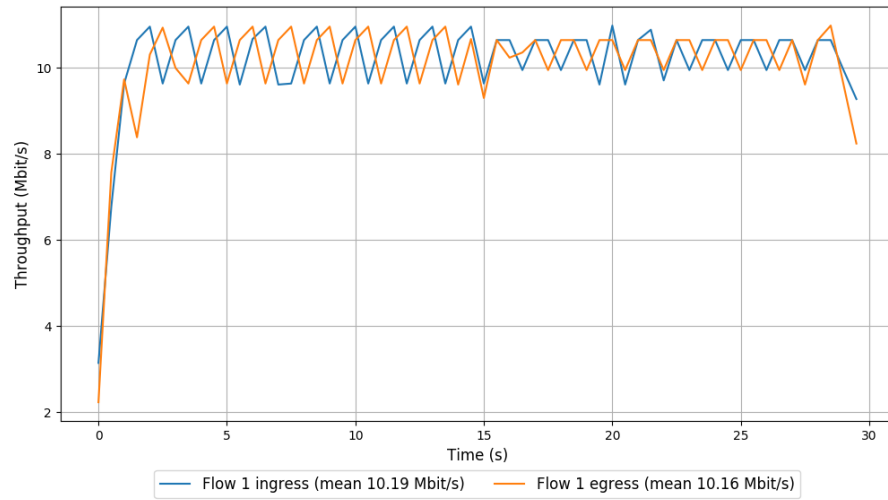
Run 8: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.19 Mbit/s) Flow 1 egress (mean 10.16 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.336 ms)

```
Run 9: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 12:43:06 +0000
End at: Wed, 05 Jul 2017 12:43:36 +0000
Local clock offset: 0.088 ms
Remote clock offset: -4.813 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.07 Mbit/s
95th percentile per-packet one-way delay: 53.890 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 10.07 Mbit/s
95th percentile per-packet one-way delay: 53.890 ms
Loss rate: 0.46%
```
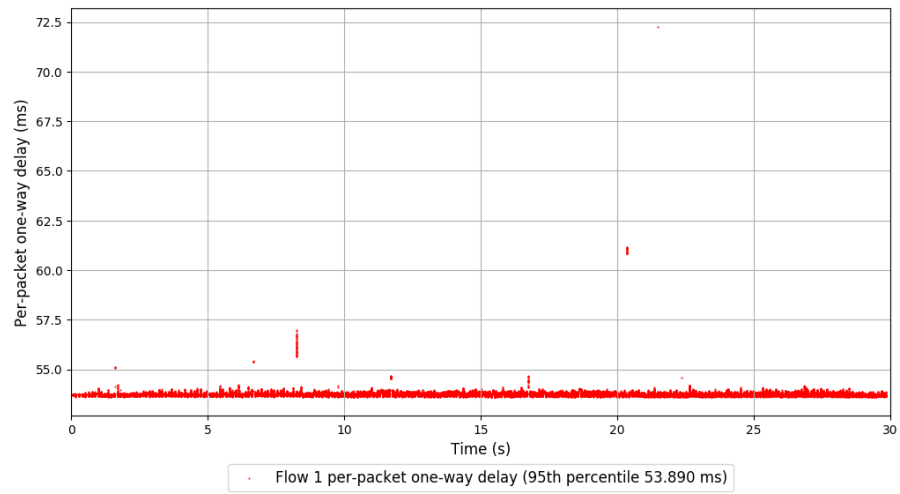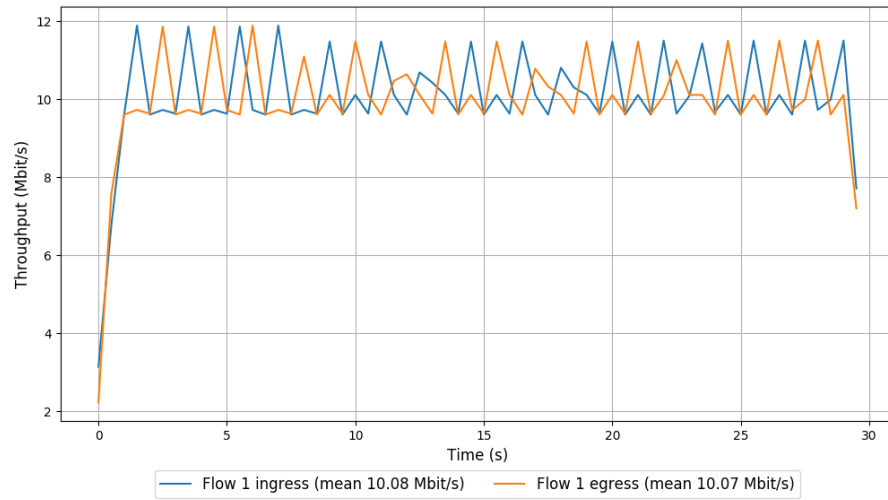
Run 9: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.08 Mbit/s)   Flow 1 egress (mean 10.07 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.890 ms)

```
Run 10: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 13:00:38 +0000
End at: Wed, 05 Jul 2017 13:01:08 +0000
Local clock offset: 0.044 ms
Remote clock offset: -4.925 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.13 Mbit/s
95th percentile per-packet one-way delay: 53.774 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 10.13 Mbit/s
95th percentile per-packet one-way delay: 53.774 ms
Loss rate: 0.45%
```
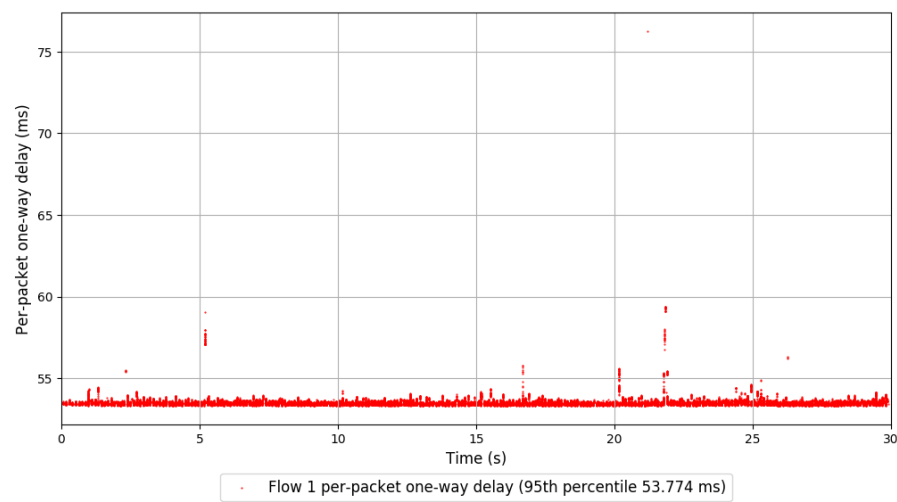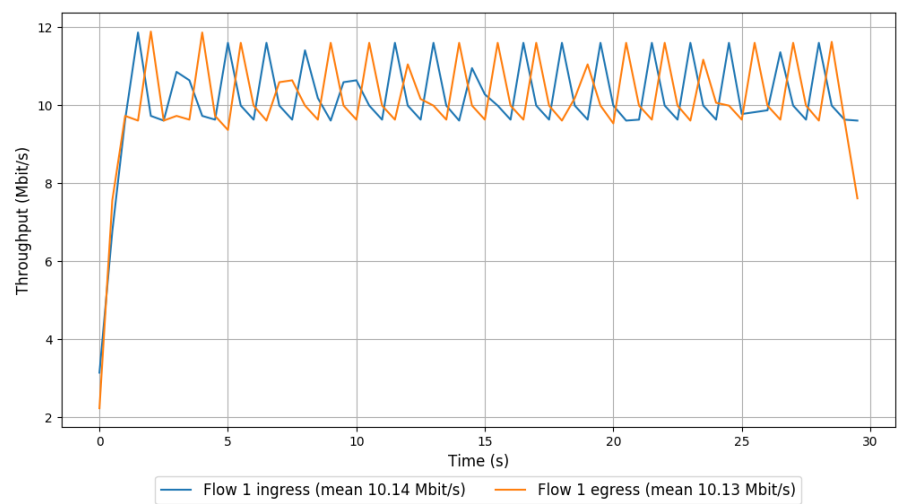
Run 10: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.14 Mbit/s)   Flow 1 egress (mean 10.13 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.774 ms)

```
Run 1: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 10:14:59 +0000
End at: Wed, 05 Jul 2017 10:15:29 +0000
Local clock offset: 0.278 ms
Remote clock offset: -3.097 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 55.243 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 55.243 ms
Loss rate: 0.80%
```
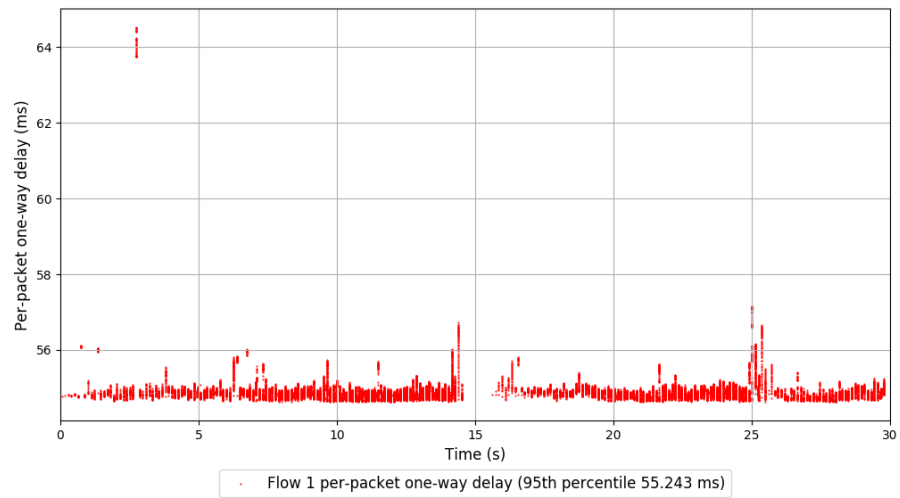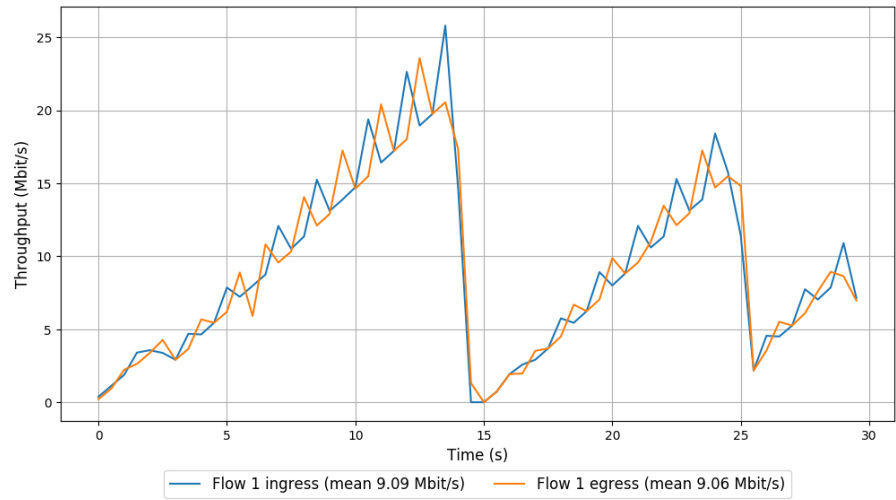
Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 9.09 Mbit/s) Flow 1 egress (mean 9.06 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 55.243 ms)

```
Run 2: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 10:32:37 +0000
End at: Wed, 05 Jul 2017 10:33:07 +0000
Local clock offset: 0.297 ms
Remote clock offset: -2.812 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 54.900 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 54.900 ms
Loss rate: 0.27%
```
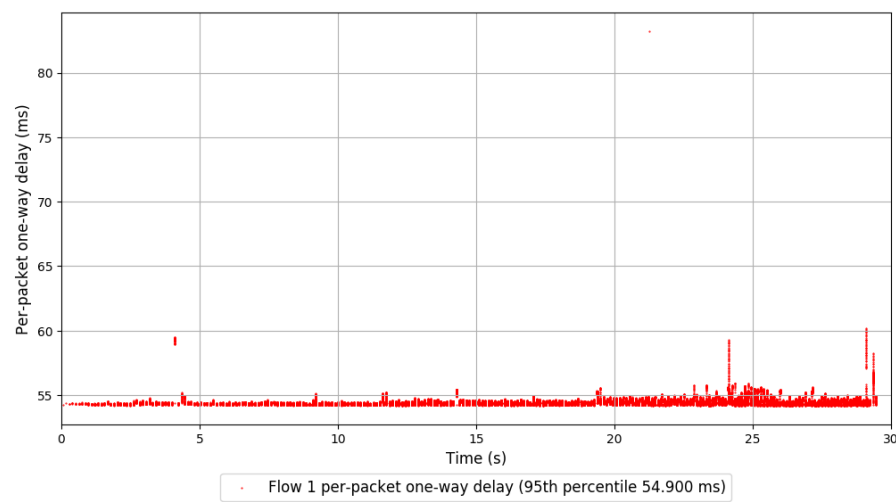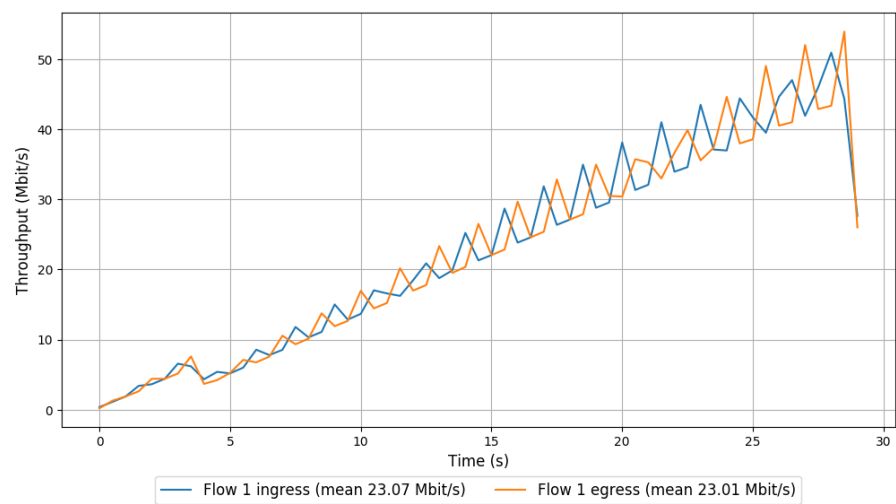
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 10:49:47 +0000
End at: Wed, 05 Jul 2017 10:50:17 +0000
Local clock offset: 0.386 ms
Remote clock offset: -3.784 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.40 Mbit/s
95th percentile per-packet one-way delay: 54.845 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 12.40 Mbit/s
95th percentile per-packet one-way delay: 54.845 ms
Loss rate: 0.33%
```
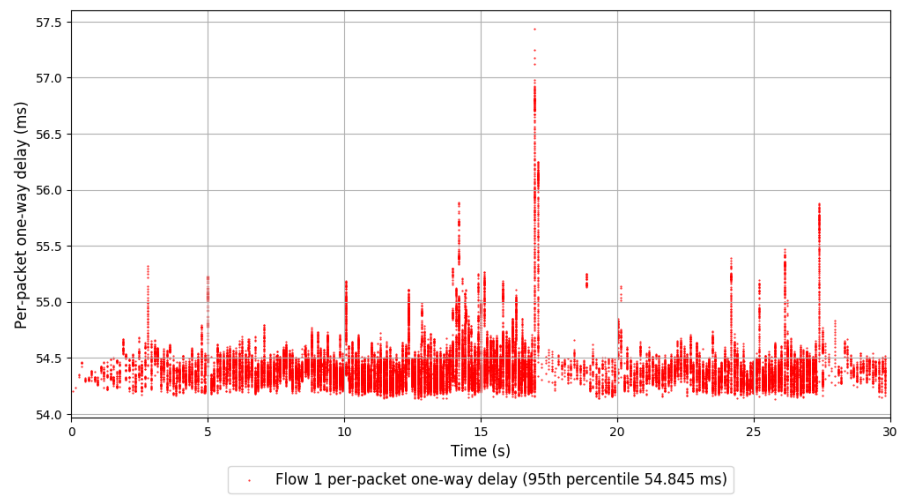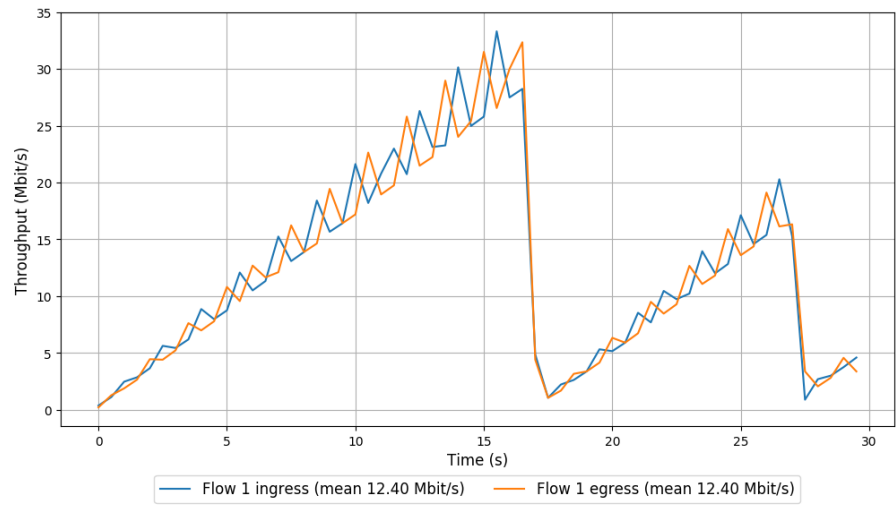
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 12.40 Mbit/s)   Flow 1 egress (mean 12.40 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.845 ms)

```
Run 4: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 11:07:16 +0000
End at: Wed, 05 Jul 2017 11:07:46 +0000
Local clock offset: 0.228 ms
Remote clock offset: -3.607 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 55.272 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: 55.272 ms
Loss rate: 0.90%
```
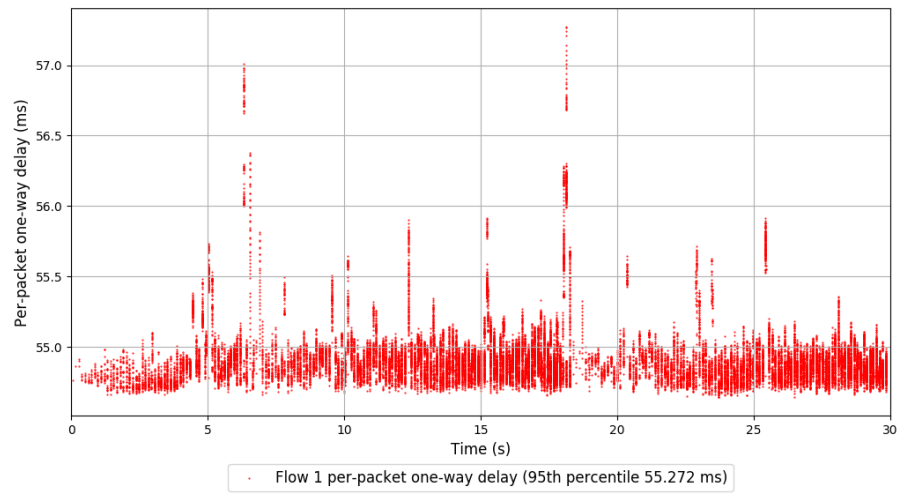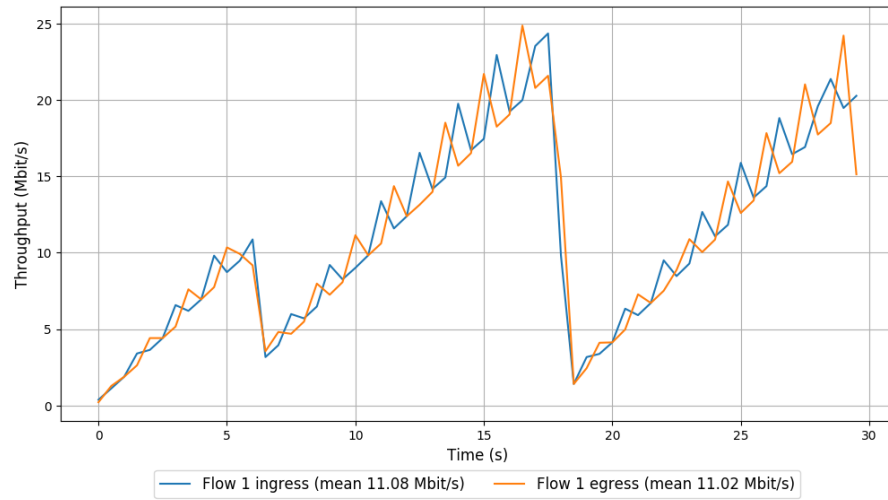
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 11.08 Mbit/s) —— Flow 1 egress (mean 11.02 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 55.272 ms)

```
Run 5: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 11:24:44 +0000
End at: Wed, 05 Jul 2017 11:25:14 +0000
Local clock offset: 0.33 ms
Remote clock offset: -4.009 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 54.733 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: 54.733 ms
Loss rate: 0.27%
```
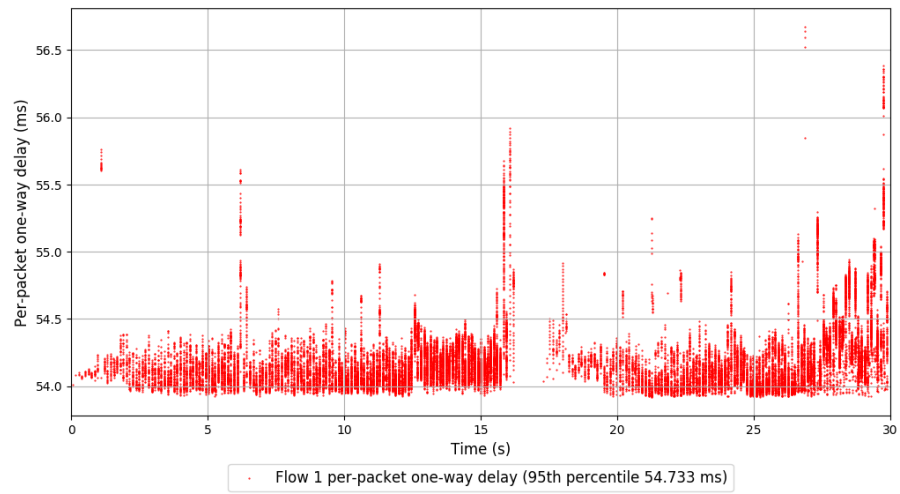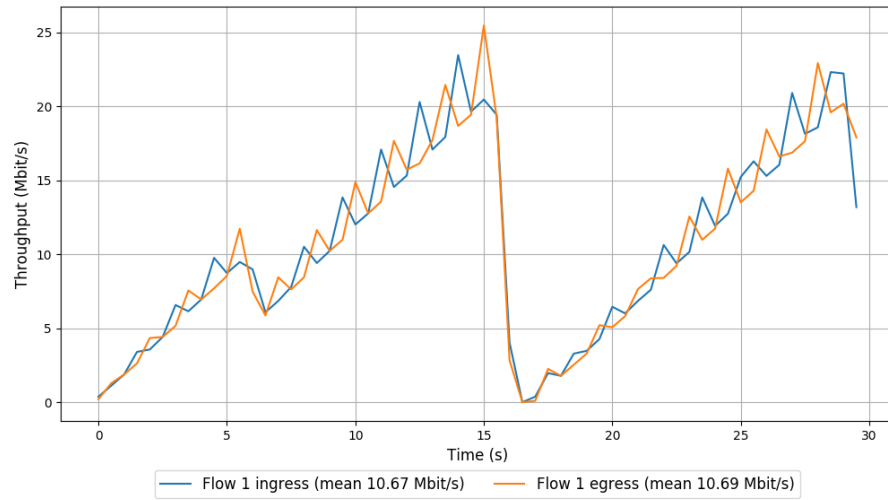
Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 11:42:15 +0000
End at: Wed, 05 Jul 2017 11:42:45 +0000
Local clock offset: 0.195 ms
Remote clock offset: -4.023 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.86 Mbit/s
95th percentile per-packet one-way delay: 54.110 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 9.86 Mbit/s
95th percentile per-packet one-way delay: 54.110 ms
Loss rate: 0.86%
```
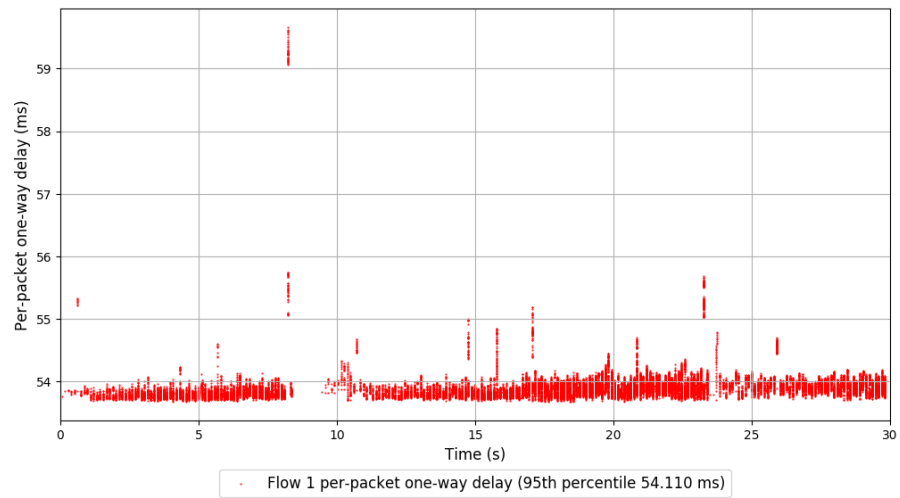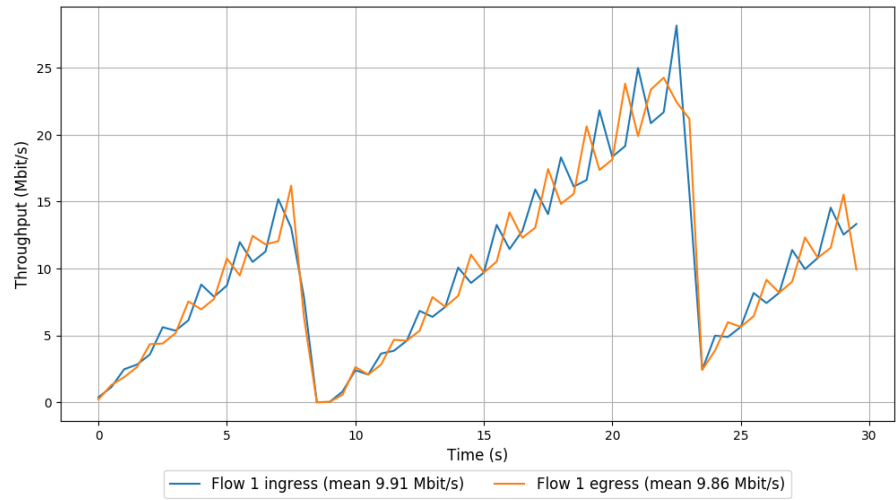
Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 11:59:43 +0000
End at: Wed, 05 Jul 2017 12:00:13 +0000
Local clock offset: 0.128 ms
Remote clock offset: -3.984 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 53.940 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 53.940 ms
Loss rate: 2.48%
```
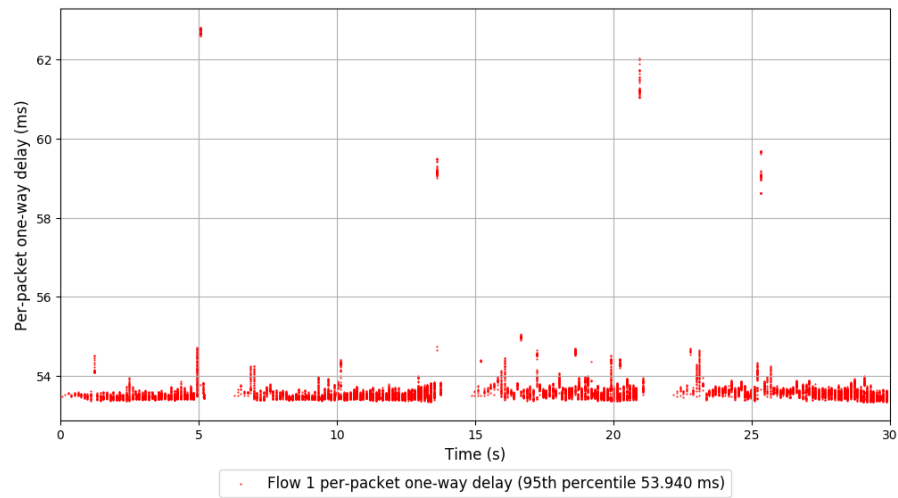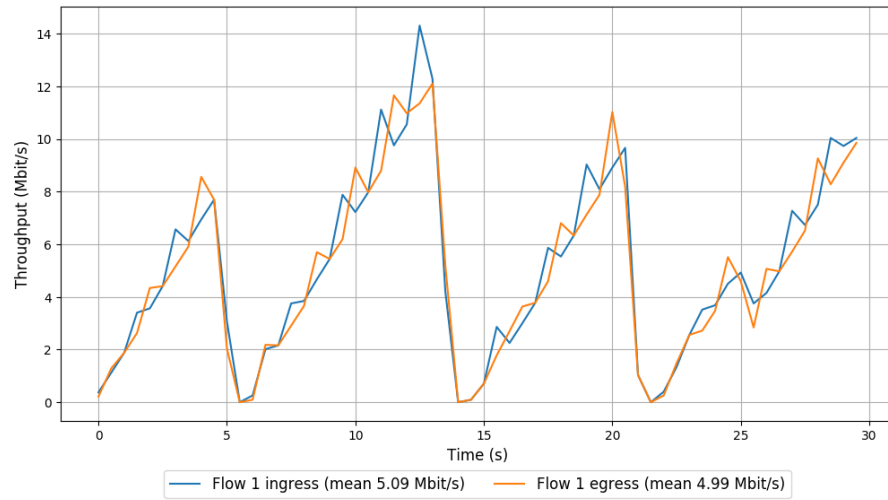
Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 5.09 Mbit/s)   Flow 1 egress (mean 4.99 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.940 ms)

```
Run 8: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 12:17:09 +0000
End at: Wed, 05 Jul 2017 12:17:39 +0000
Local clock offset: 0.092 ms
Remote clock offset: -4.414 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 53.587 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 21.83 Mbit/s
95th percentile per-packet one-way delay: 53.587 ms
Loss rate: 0.27%
```
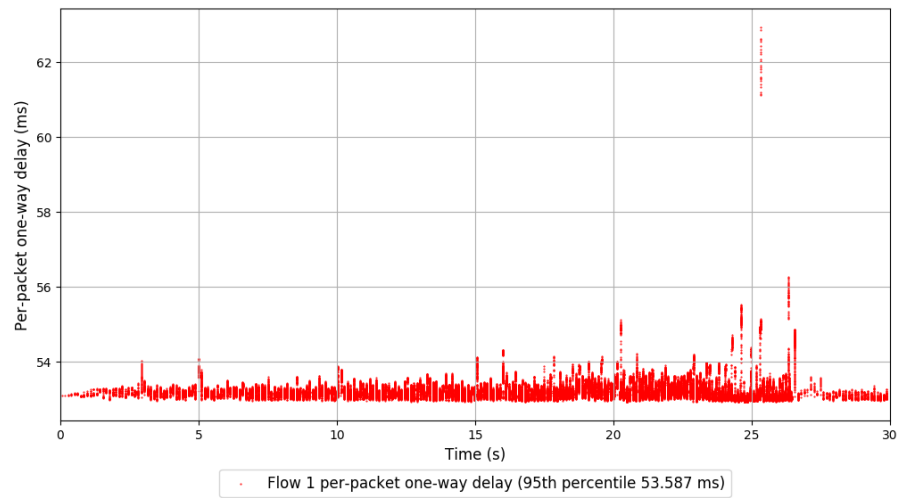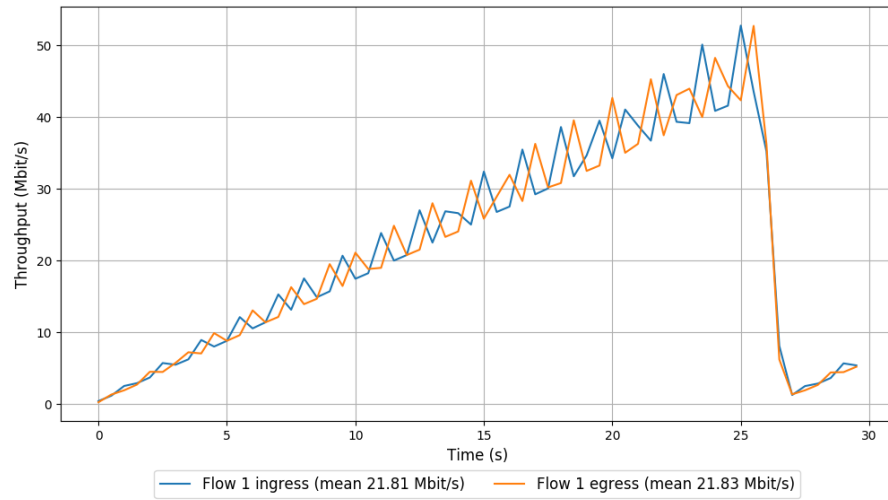
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 21.81 Mbit/s) — Flow 1 egress (mean 21.83 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 53.587 ms)

119

```
Run 9: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 12:34:43 +0000
End at: Wed, 05 Jul 2017 12:35:13 +0000
Local clock offset: 0.123 ms
Remote clock offset: -4.457 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 54.062 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 54.062 ms
Loss rate: 0.78%
```
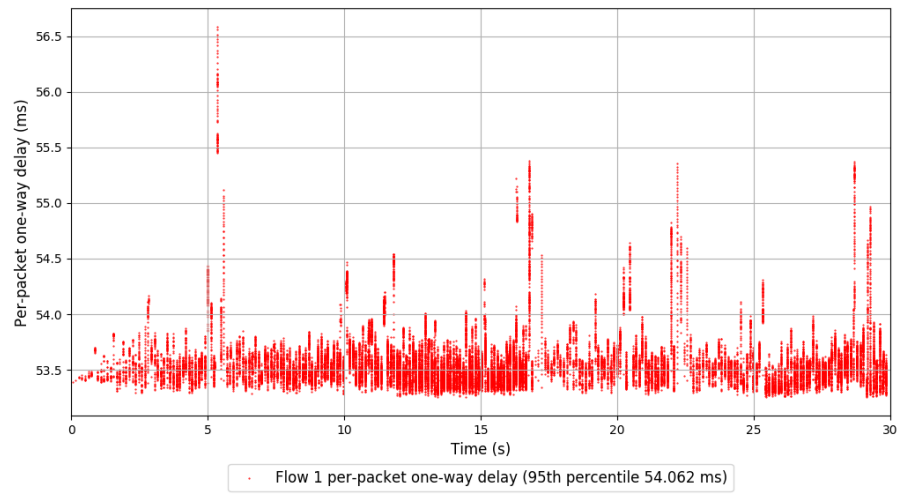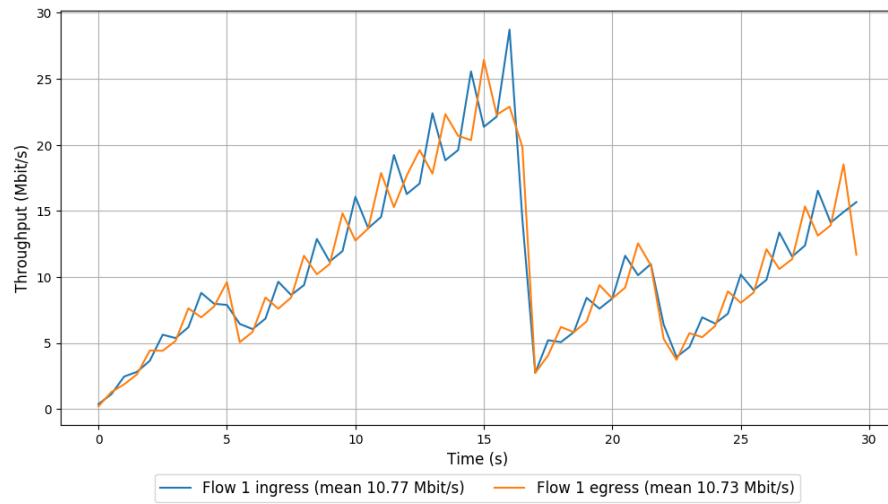
Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 10.77 Mbit/s) — Flow 1 egress (mean 10.73 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.062 ms)

```
Run 10: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 12:52:14 +0000
End at: Wed, 05 Jul 2017 12:52:44 +0000
Local clock offset: 0.136 ms
Remote clock offset: -4.804 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 53.520 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 12.04 Mbit/s
95th percentile per-packet one-way delay: 53.520 ms
Loss rate: 0.67%
```
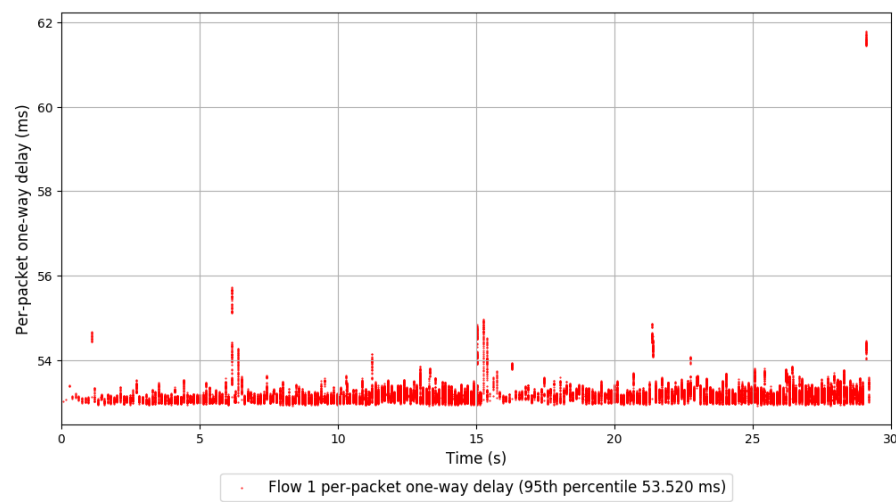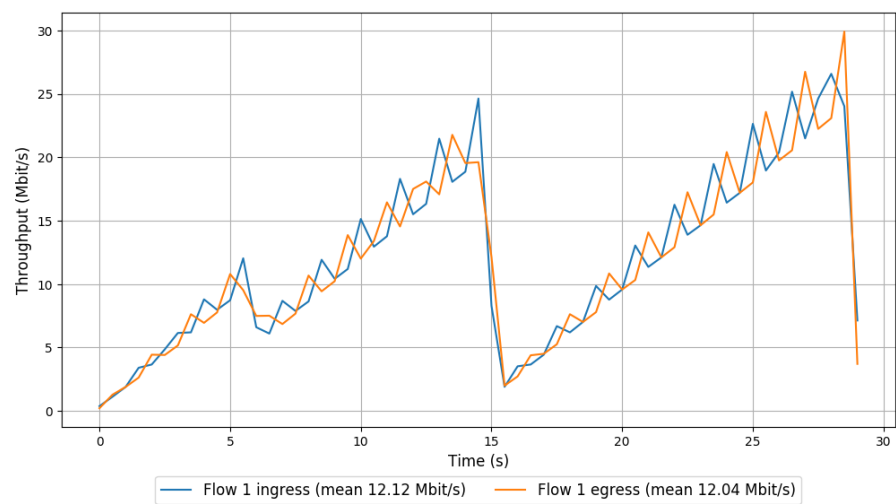
Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: Wed, 05 Jul 2017 10:20:54 +0000
End at: Wed, 05 Jul 2017 10:21:24 +0000
Local clock offset: 0.32 ms
Remote clock offset: -2.728 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.78 Mbit/s
95th percentile per-packet one-way delay: 64.014 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 87.78 Mbit/s
95th percentile per-packet one-way delay: 64.014 ms
Loss rate: 2.73%
```
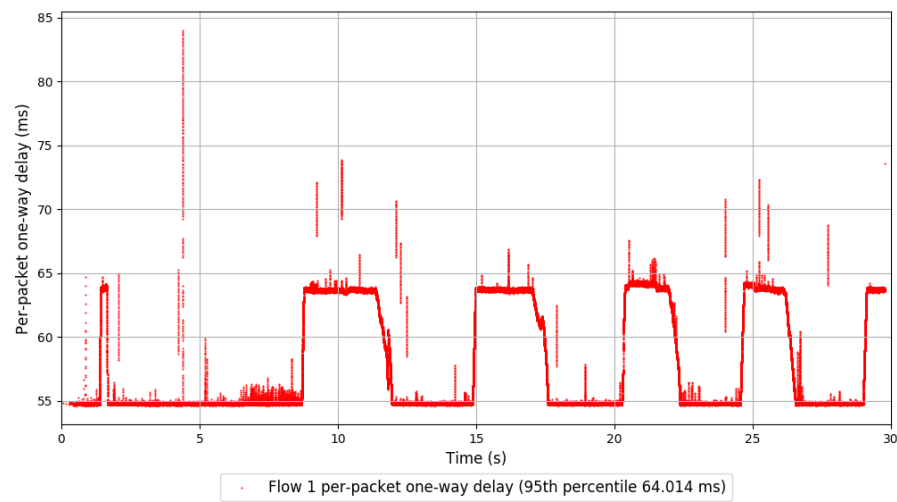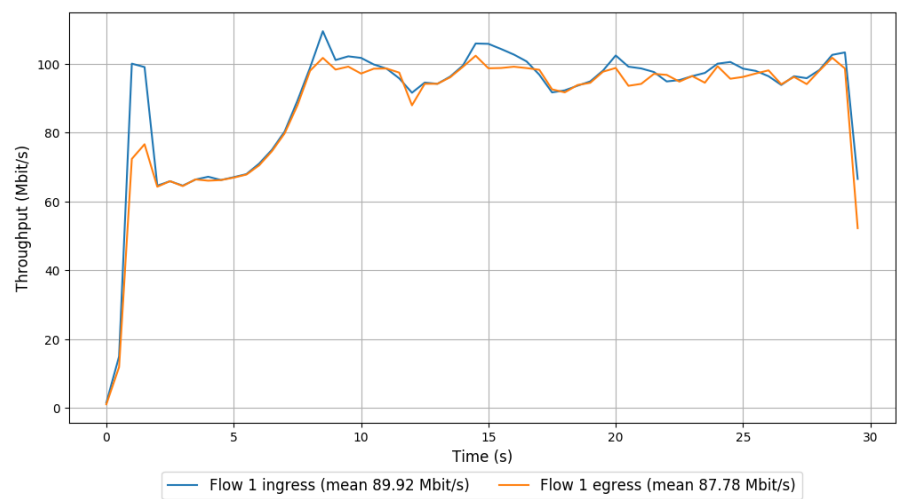
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 89.92 Mbit/s) ———— Flow 1 egress (mean 87.78 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 64.014 ms)

```
Run 2: Statistics of PCC

Start at: Wed, 05 Jul 2017 10:38:11 +0000
End at: Wed, 05 Jul 2017 10:38:41 +0000
Local clock offset: 0.388 ms
Remote clock offset: -2.857 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 63.884 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 63.884 ms
Loss rate: 2.87%
```
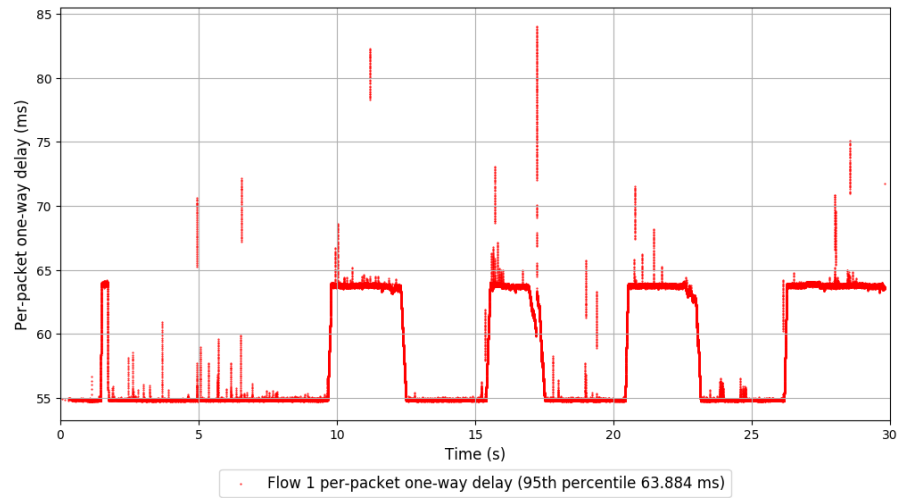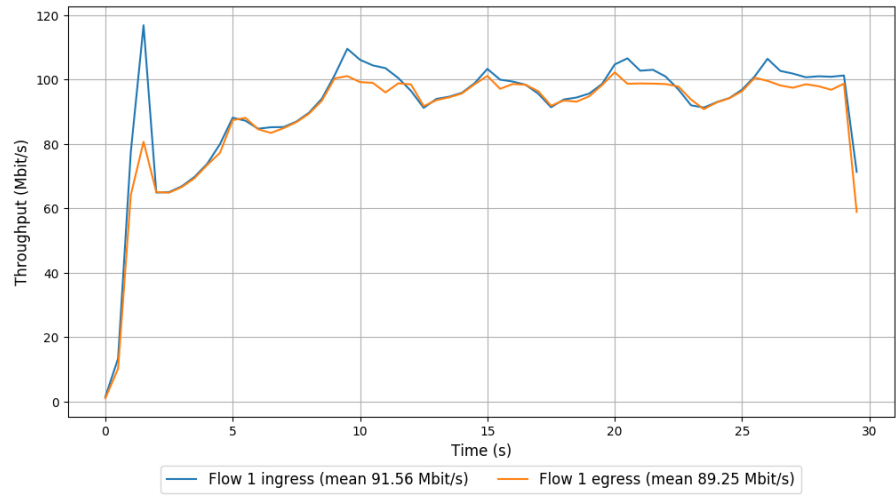
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 91.56 Mbit/s) — Flow 1 egress (mean 89.25 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.884 ms)

```
Run 3: Statistics of PCC

Start at: Wed, 05 Jul 2017 10:55:47 +0000
End at: Wed, 05 Jul 2017 10:56:17 +0000
Local clock offset: 0.389 ms
Remote clock offset: -3.357 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 63.271 ms
Loss rate: 2.56%
-- Flow 1:
Average throughput: 90.16 Mbit/s
95th percentile per-packet one-way delay: 63.271 ms
Loss rate: 2.56%
```
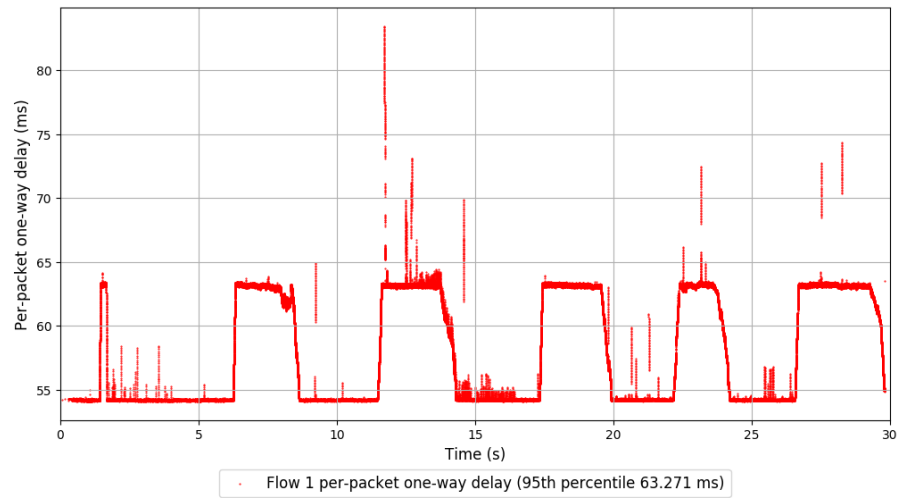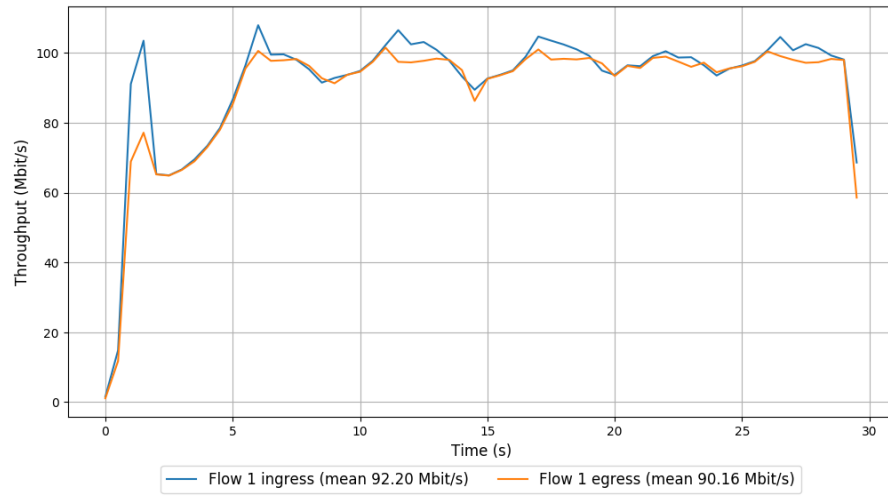
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 92.20 Mbit/s)   Flow 1 egress (mean 90.16 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 63.271 ms)

```
Run 4: Statistics of PCC

Start at: Wed, 05 Jul 2017 11:13:09 +0000
End at: Wed, 05 Jul 2017 11:13:39 +0000
Local clock offset: 0.236 ms
Remote clock offset: -3.507 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 63.016 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 63.016 ms
Loss rate: 2.21%
```
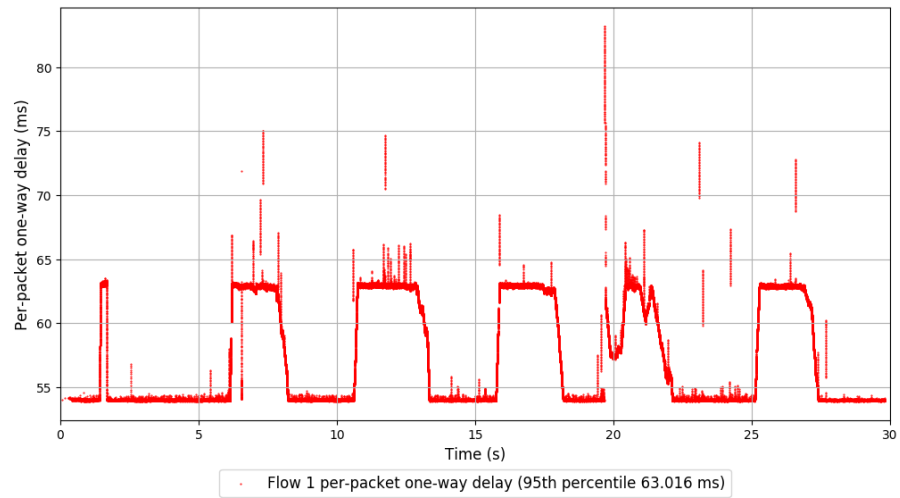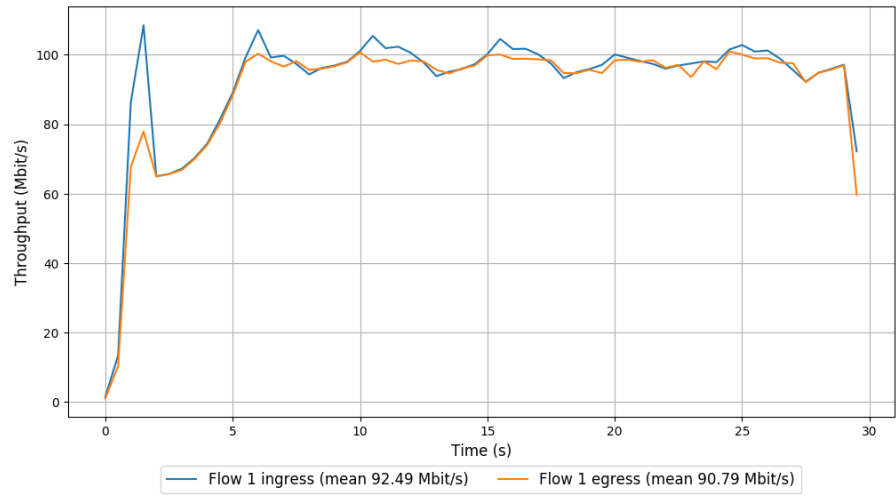
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 92.49 Mbit/s) — Flow 1 egress (mean 90.79 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.016 ms)

```
Run 5: Statistics of PCC

Start at: Wed, 05 Jul 2017 11:30:40 +0000
End at: Wed, 05 Jul 2017 11:31:10 +0000
Local clock offset: 0.27 ms
Remote clock offset: -4.028 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:39:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 62.796 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 62.796 ms
Loss rate: 2.34%
```
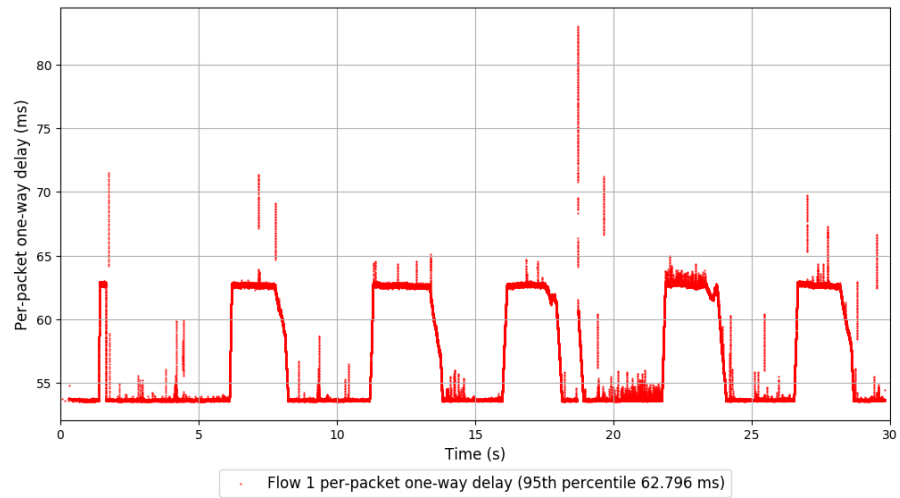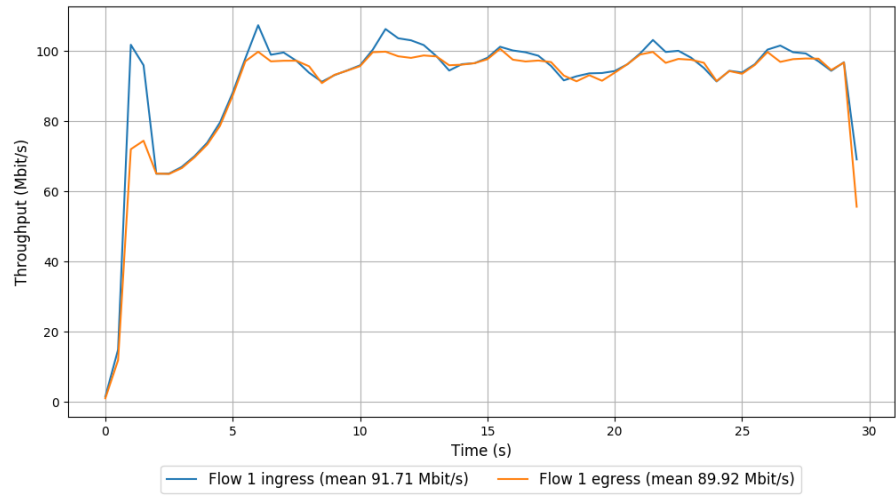
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 91.71 Mbit/s)   Flow 1 egress (mean 89.92 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.796 ms)

```
Run 6: Statistics of PCC

Start at: Wed, 05 Jul 2017 11:48:05 +0000
End at: Wed, 05 Jul 2017 11:48:35 +0000
Local clock offset: 0.198 ms
Remote clock offset: -4.099 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.49 Mbit/s
95th percentile per-packet one-way delay: 63.039 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 89.49 Mbit/s
95th percentile per-packet one-way delay: 63.039 ms
Loss rate: 1.96%
```
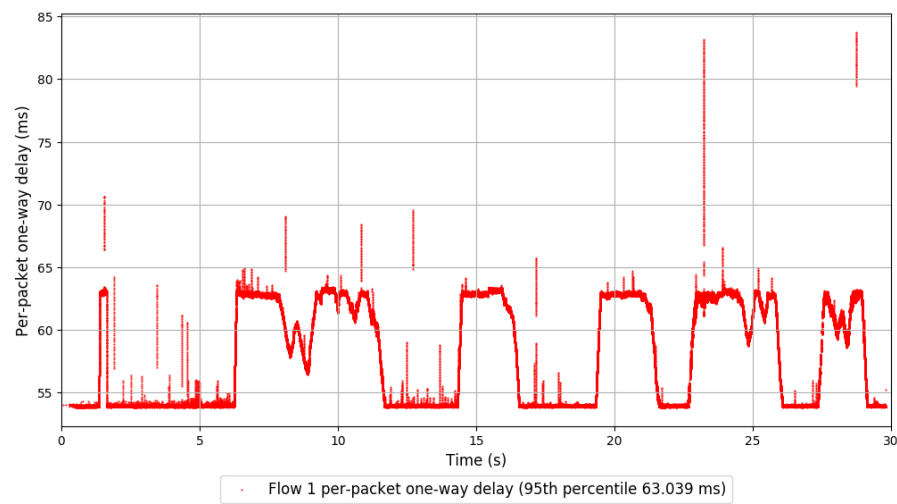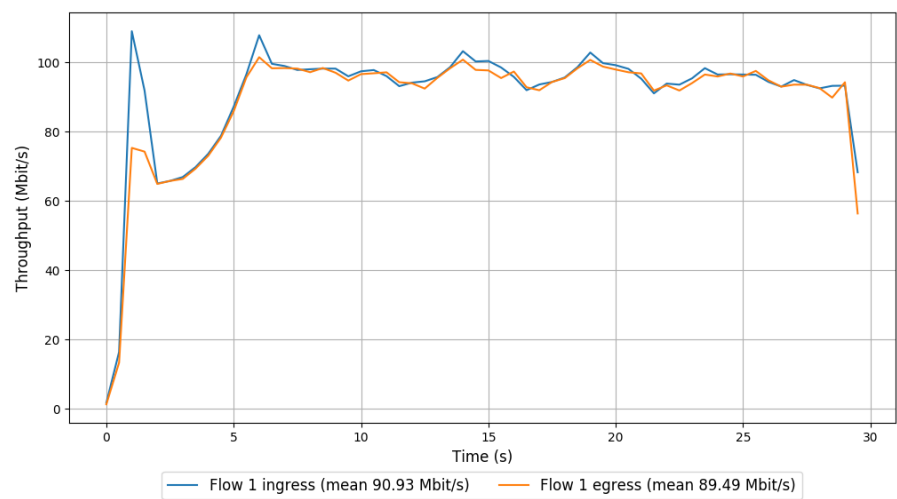
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 90.93 Mbit/s) —— Flow 1 egress (mean 89.49 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 63.039 ms)

```
Run 7: Statistics of PCC

Start at: Wed, 05 Jul 2017 12:05:32 +0000
End at: Wed, 05 Jul 2017 12:06:02 +0000
Local clock offset: 0.094 ms
Remote clock offset: -3.801 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 62.887 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 62.887 ms
Loss rate: 2.20%
```
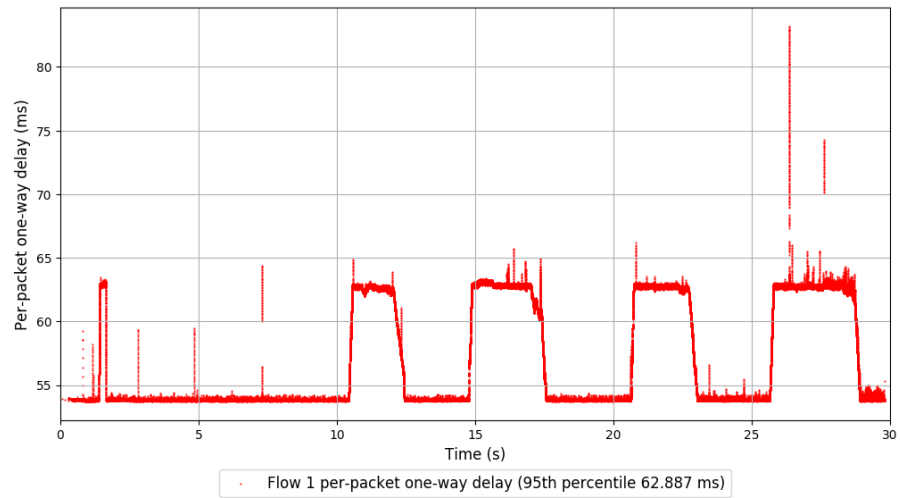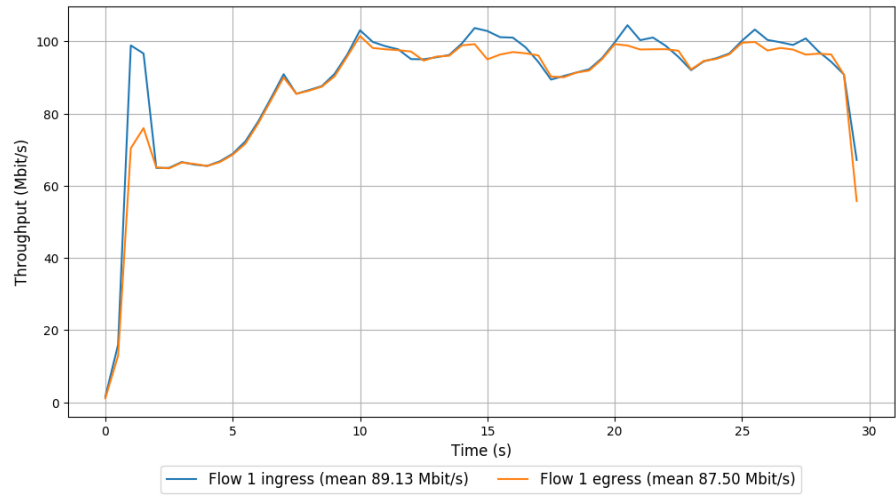
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 89.13 Mbit/s)   Flow 1 egress (mean 87.50 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.887 ms)

```
Run 8: Statistics of PCC

Start at: Wed, 05 Jul 2017 12:23:06 +0000
End at: Wed, 05 Jul 2017 12:23:36 +0000
Local clock offset: 0.126 ms
Remote clock offset: -4.395 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 62.597 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 89.10 Mbit/s
95th percentile per-packet one-way delay: 62.597 ms
Loss rate: 2.51%
```
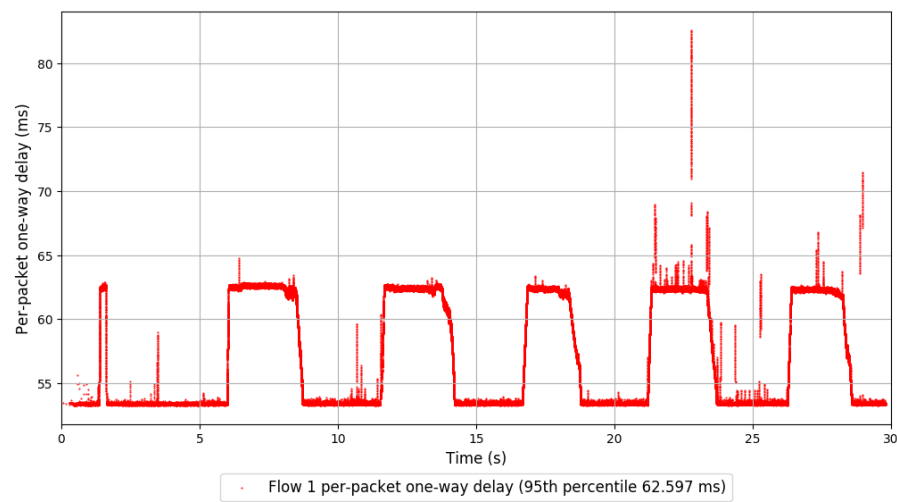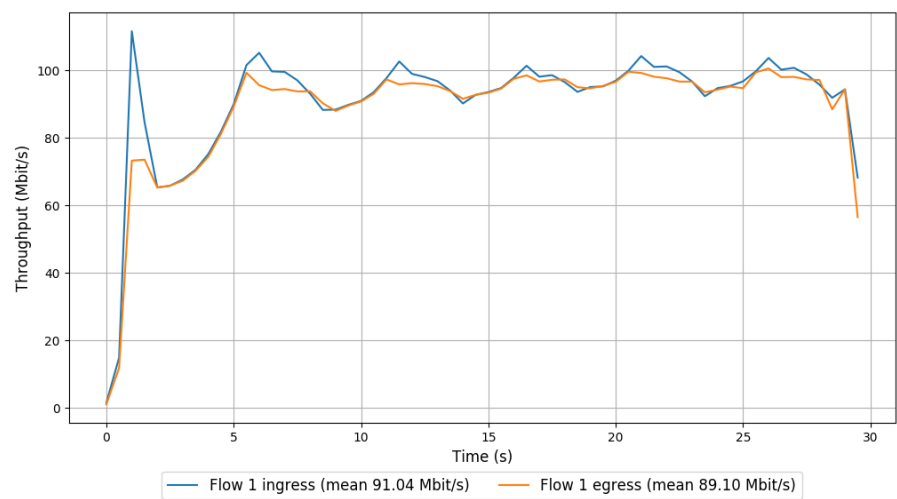
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 91.04 Mbit/s) ——— Flow 1 egress (mean 89.10 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.597 ms)

```
Run 9: Statistics of PCC

Start at: Wed, 05 Jul 2017 12:40:37 +0000
End at: Wed, 05 Jul 2017 12:41:07 +0000
Local clock offset: 0.043 ms
Remote clock offset: -4.885 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.23 Mbit/s
95th percentile per-packet one-way delay: 63.278 ms
Loss rate: 2.89%
-- Flow 1:
Average throughput: 84.23 Mbit/s
95th percentile per-packet one-way delay: 63.278 ms
Loss rate: 2.89%
```
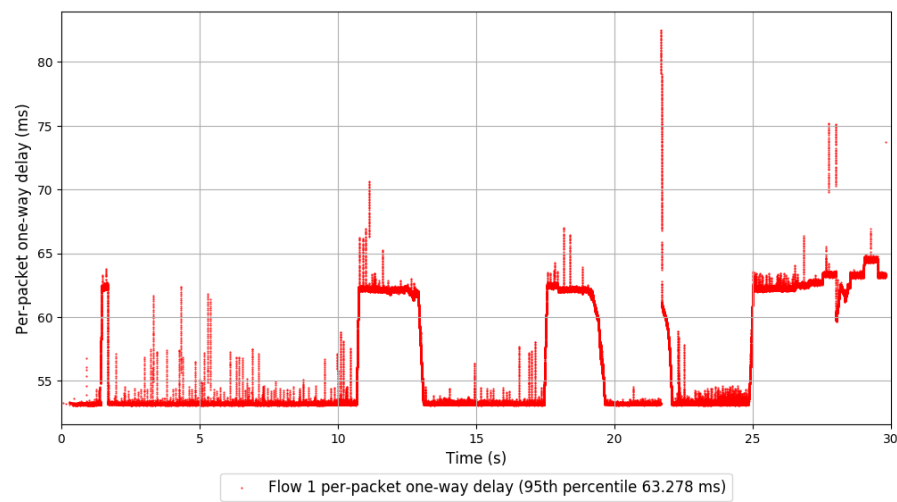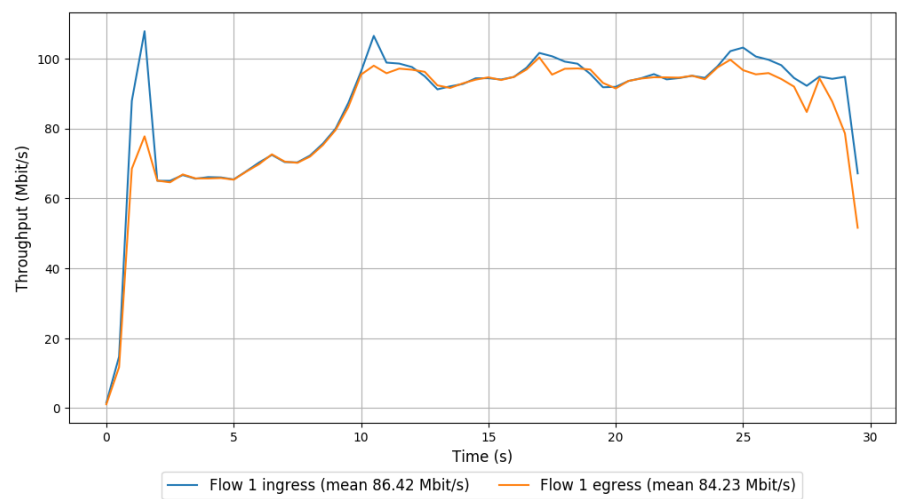
Run 9: Report of PCC — Data Link

141

```
Run 10: Statistics of PCC

Start at: Wed, 05 Jul 2017 12:58:07 +0000
End at: Wed, 05 Jul 2017 12:58:37 +0000
Local clock offset: 0.122 ms
Remote clock offset: -5.212 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.58 Mbit/s
95th percentile per-packet one-way delay: 62.532 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 88.58 Mbit/s
95th percentile per-packet one-way delay: 62.532 ms
Loss rate: 2.76%
```
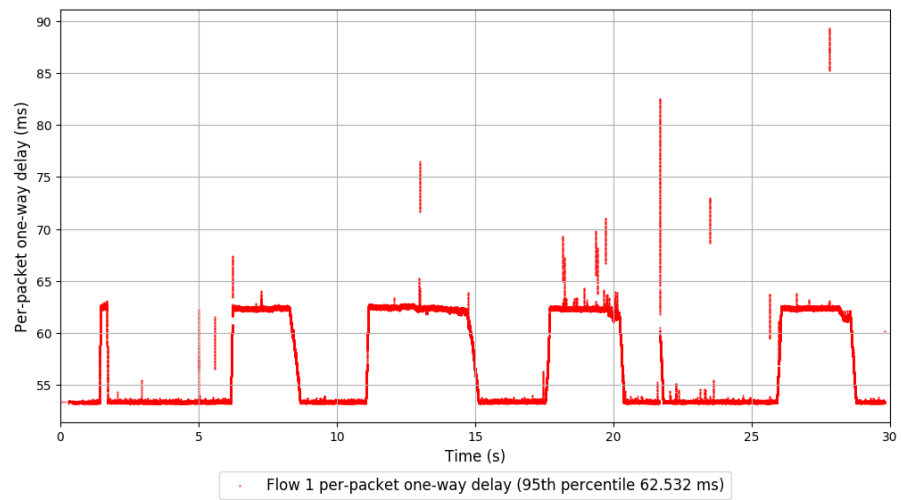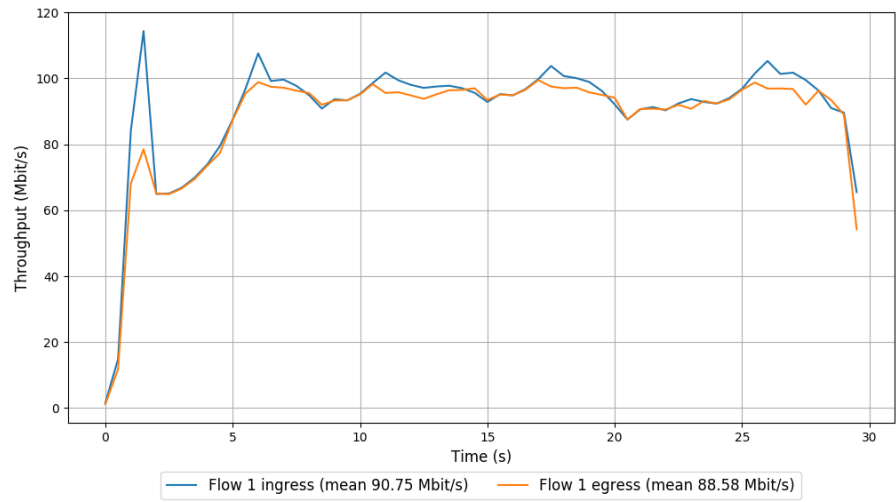
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 90.75 Mbit/s)   Flow 1 egress (mean 88.58 Mbit/s)

. Flow 1 per-packet one-way delay (95th percentile 62.532 ms)

Run 1: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 10:24:35 +0000
End at: Wed, 05 Jul 2017 10:25:05 +0000
Local clock offset: 0.363 ms
Remote clock offset: -2.921 ms

Run 1: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 10:41:46 +0000
End at: Wed, 05 Jul 2017 10:42:16 +0000
Local clock offset: 0.344 ms
Remote clock offset: -3.334 ms

Run 2: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 10:59:22 +0000
End at: Wed, 05 Jul 2017 10:59:52 +0000
Local clock offset: 0.338 ms
Remote clock offset: -3.771 ms

Run 3: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 11:16:43 +0000
End at: Wed, 05 Jul 2017 11:17:13 +0000
Local clock offset: 0.188 ms
Remote clock offset: -3.717 ms

Run 4: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 11:34:16 +0000
End at: Wed, 05 Jul 2017 11:34:46 +0000
Local clock offset: 0.219 ms
Remote clock offset: -3.567 ms

Run 5: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 11:51:42 +0000
End at: Wed, 05 Jul 2017 11:52:12 +0000
Local clock offset: 0.122 ms
Remote clock offset: -3.987 ms

Run 6: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 12:09:09 +0000
End at: Wed, 05 Jul 2017 12:09:39 +0000
Local clock offset: 0.117 ms
Remote clock offset: -4.308 ms

Run 7: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 12:26:43 +0000
End at: Wed, 05 Jul 2017 12:27:13 +0000
Local clock offset: -0.008 ms
Remote clock offset: -4.59 ms

Run 8: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 12:44:13 +0000
End at: Wed, 05 Jul 2017 12:44:43 +0000
Local clock offset: 0.113 ms
Remote clock offset: -5.041 ms

Run 9: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 13:01:45 +0000
End at: Wed, 05 Jul 2017 13:02:15 +0000
Local clock offset: 0.121 ms
Remote clock offset: -5.066 ms

Run 10: Report of QUIC Cubic — Data Link

Figure is missing

Figure is missing

```
Run 1: Statistics of Saturator

Start at: Wed, 05 Jul 2017 10:19:46 +0000
End at: Wed, 05 Jul 2017 10:20:16 +0000
Local clock offset: 0.318 ms
Remote clock offset: -3.359 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 55.390 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 20.58 Mbit/s
95th percentile per-packet one-way delay: 55.390 ms
Loss rate: 0.55%
```
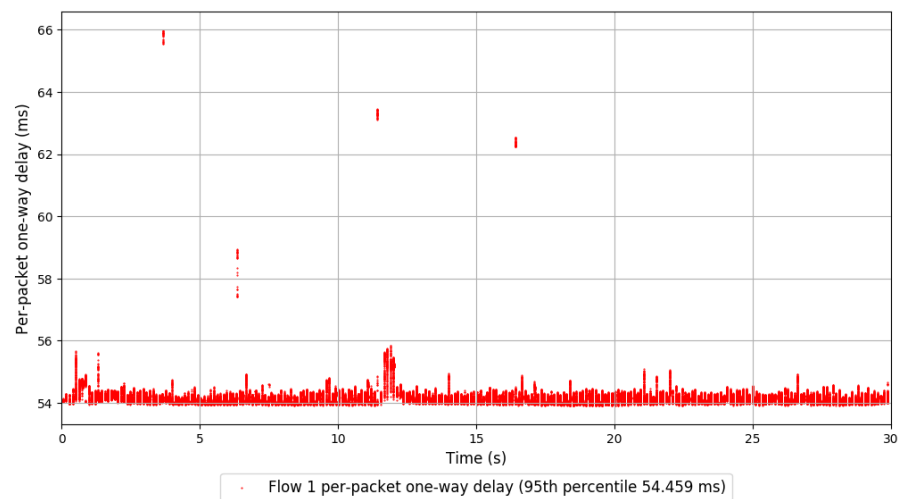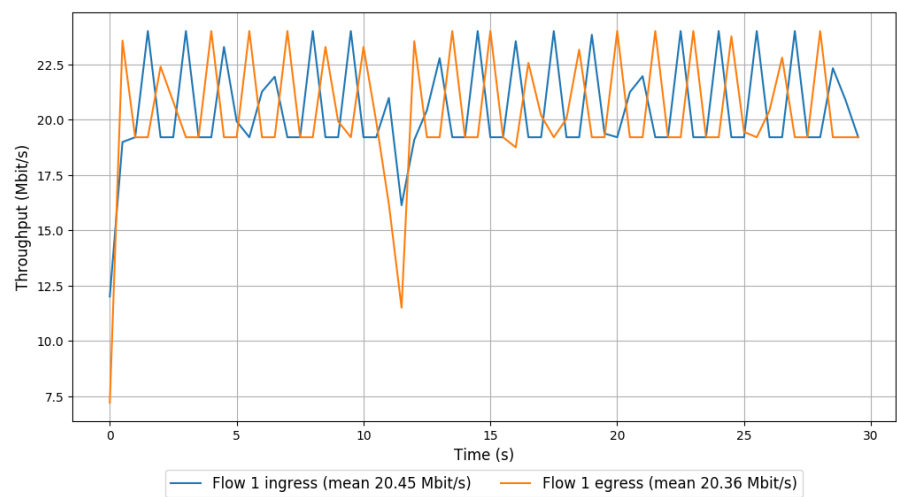
Run 1: Report of Saturator — Data Link

Flow 1 ingress (mean 20.62 Mbit/s) —— Flow 1 egress (mean 20.58 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 55.390 ms)

```
Run 2: Statistics of Saturator

Start at: Wed, 05 Jul 2017 10:37:03 +0000
End at: Wed, 05 Jul 2017 10:37:33 +0000
Local clock offset: 0.285 ms
Remote clock offset: -3.458 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 54.459 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 20.36 Mbit/s
95th percentile per-packet one-way delay: 54.459 ms
Loss rate: 0.85%
```
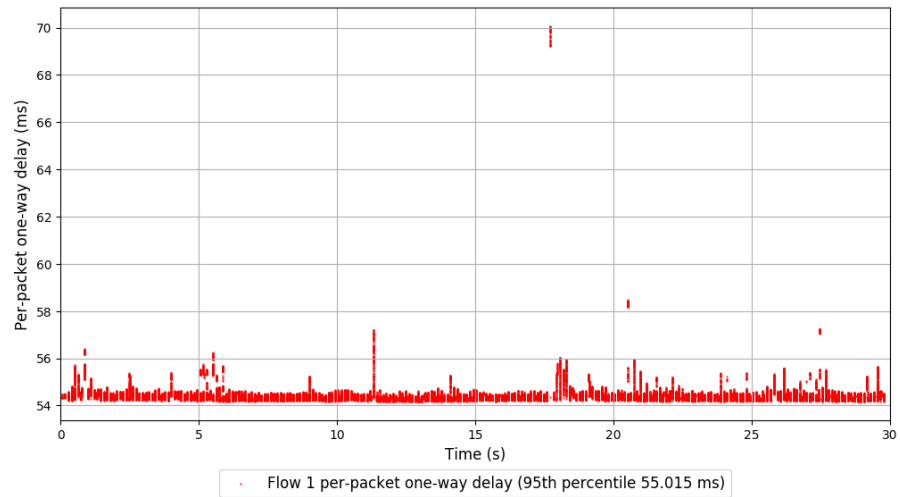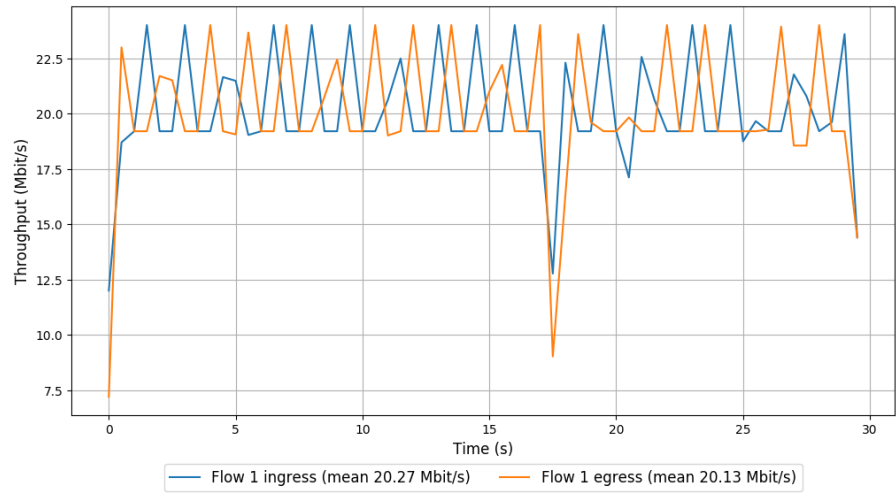
Run 2: Report of Saturator — Data Link

Flow 1 ingress (mean 20.45 Mbit/s)   Flow 1 egress (mean 20.36 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.459 ms)

```
Run 3: Statistics of Saturator

Start at: Wed, 05 Jul 2017 10:54:39 +0000
End at: Wed, 05 Jul 2017 10:55:09 +0000
Local clock offset: 0.405 ms
Remote clock offset: -3.272 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.13 Mbit/s
95th percentile per-packet one-way delay: 55.015 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 20.13 Mbit/s
95th percentile per-packet one-way delay: 55.015 ms
Loss rate: 1.09%
```
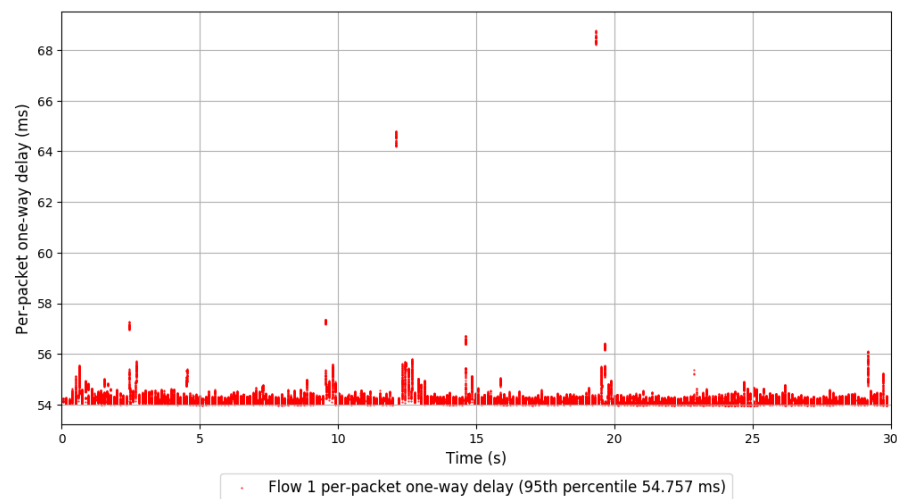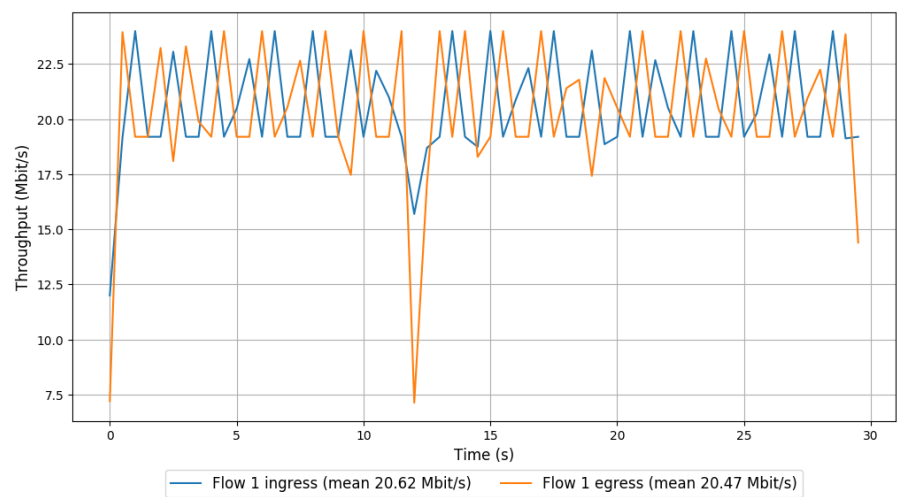
Run 3: Report of Saturator — Data Link

Flow 1 ingress (mean 20.27 Mbit/s)   Flow 1 egress (mean 20.13 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 55.015 ms)

```
Run 4: Statistics of Saturator

Start at: Wed, 05 Jul 2017 11:12:01 +0000
End at: Wed, 05 Jul 2017 11:12:31 +0000
Local clock offset: 0.222 ms
Remote clock offset: -3.62 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.47 Mbit/s
95th percentile per-packet one-way delay: 54.757 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 20.47 Mbit/s
95th percentile per-packet one-way delay: 54.757 ms
Loss rate: 1.13%
```
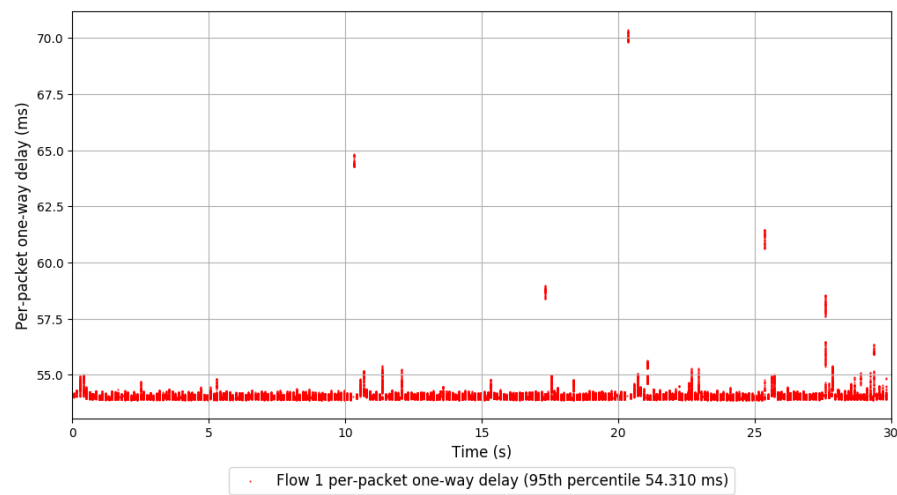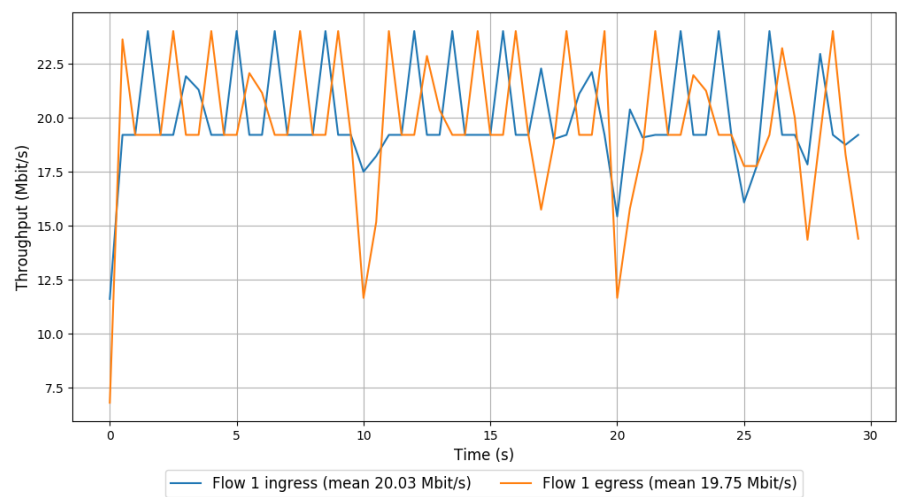
Run 4: Report of Saturator — Data Link

Flow 1 ingress (mean 20.62 Mbit/s) — Flow 1 egress (mean 20.47 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.757 ms)

```
Run 5: Statistics of Saturator

Start at: Wed, 05 Jul 2017 11:29:32 +0000
End at: Wed, 05 Jul 2017 11:30:02 +0000
Local clock offset: 0.263 ms
Remote clock offset: -3.509 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.75 Mbit/s
95th percentile per-packet one-way delay: 54.310 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 19.75 Mbit/s
95th percentile per-packet one-way delay: 54.310 ms
Loss rate: 1.78%
```
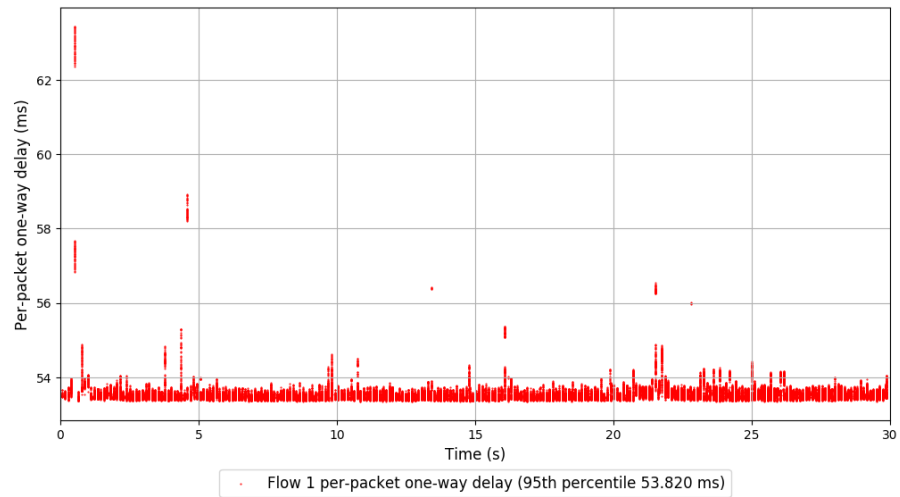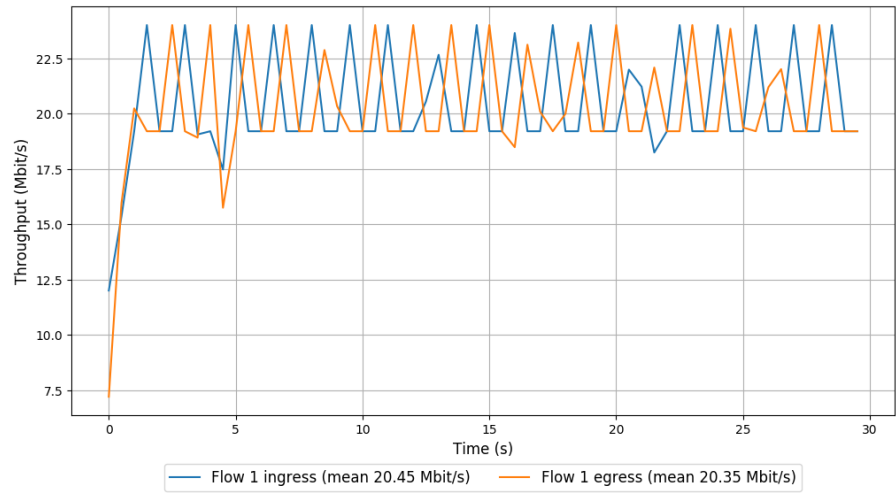
Run 5: Report of Saturator — Data Link

Flow 1 ingress (mean 20.03 Mbit/s)   Flow 1 egress (mean 19.75 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.310 ms)

```
Run 6: Statistics of Saturator

Start at: Wed, 05 Jul 2017 11:46:57 +0000
End at: Wed, 05 Jul 2017 11:47:27 +0000
Local clock offset: 0.173 ms
Remote clock offset: -3.743 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 53.820 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 20.35 Mbit/s
95th percentile per-packet one-way delay: 53.820 ms
Loss rate: 0.91%
```
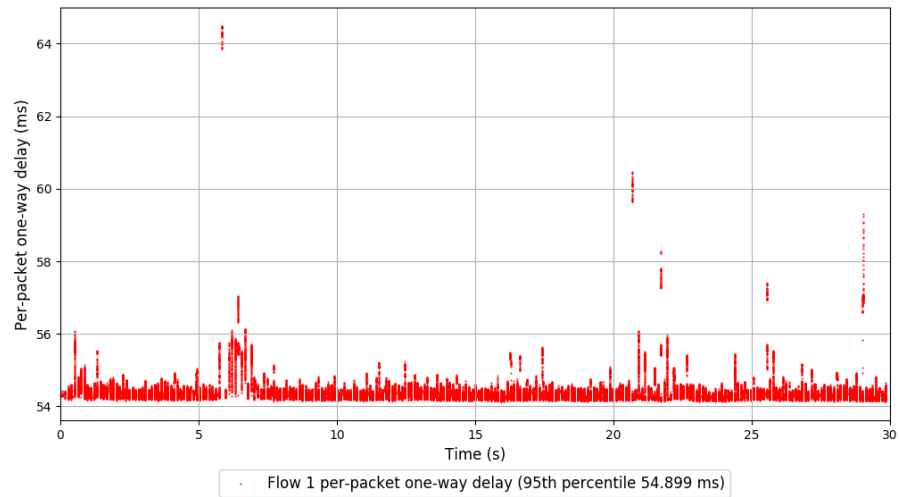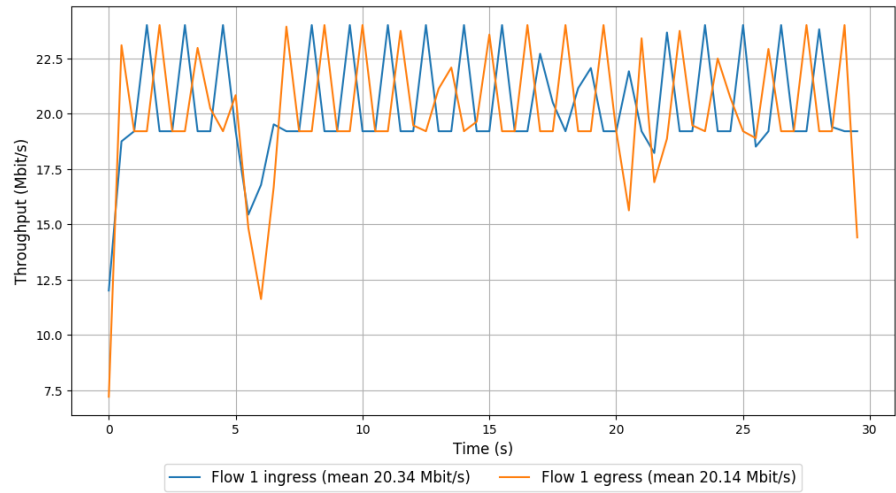
Run 6: Report of Saturator — Data Link

Flow 1 ingress (mean 20.45 Mbit/s) ——— Flow 1 egress (mean 20.35 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 53.820 ms)

```
Run 7: Statistics of Saturator

Start at: Wed, 05 Jul 2017 12:04:24 +0000
End at: Wed, 05 Jul 2017 12:04:54 +0000
Local clock offset: 0.157 ms
Remote clock offset: -3.872 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.14 Mbit/s
95th percentile per-packet one-way delay: 54.899 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 20.14 Mbit/s
95th percentile per-packet one-way delay: 54.899 ms
Loss rate: 1.35%
```
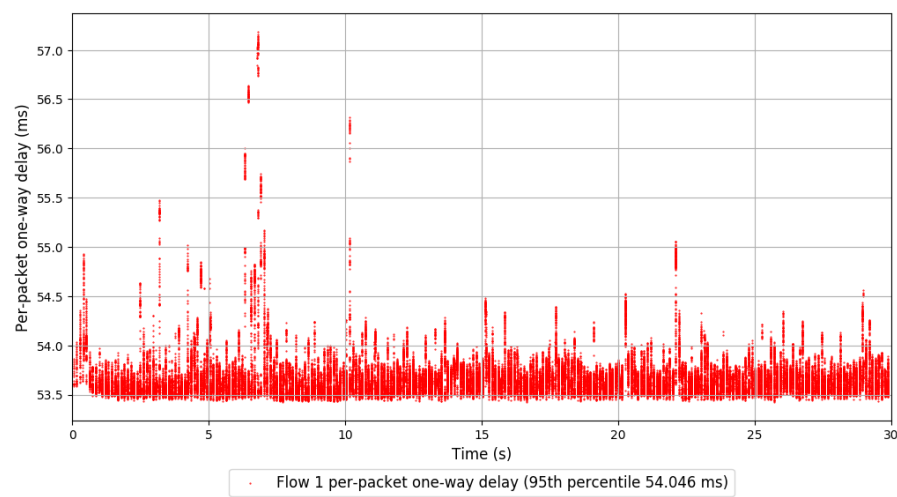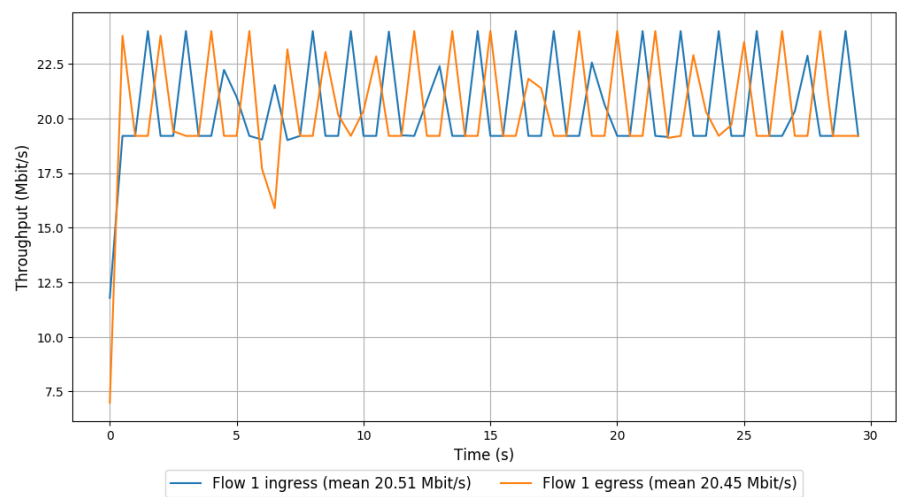
Run 7: Report of Saturator — Data Link

```
Run 8: Statistics of Saturator

Start at: Wed, 05 Jul 2017 12:21:58 +0000
End at: Wed, 05 Jul 2017 12:22:28 +0000
Local clock offset: 0.096 ms
Remote clock offset: -4.532 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 54.046 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 20.45 Mbit/s
95th percentile per-packet one-way delay: 54.046 ms
Loss rate: 0.64%
```
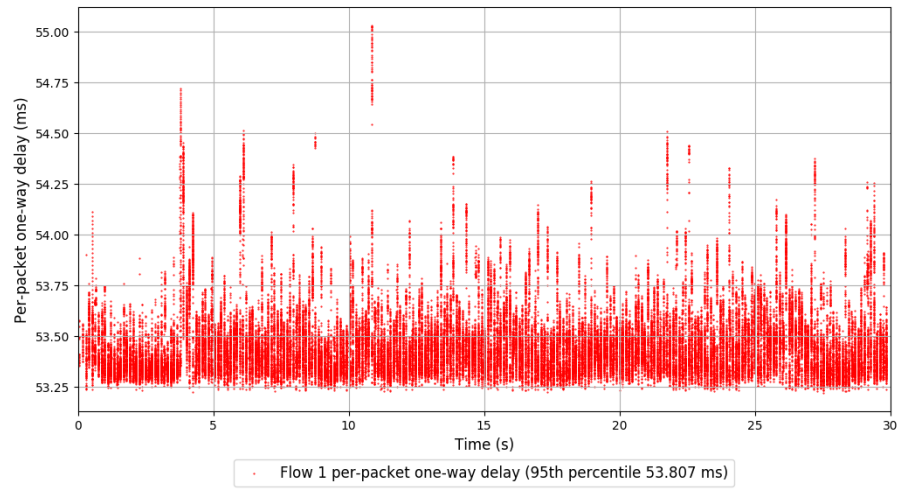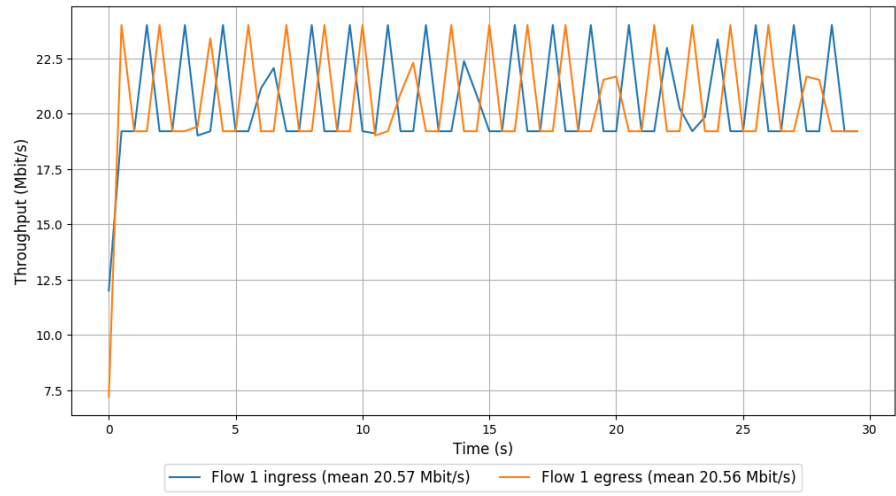
Run 8: Report of Saturator — Data Link

Flow 1 ingress (mean 20.51 Mbit/s)   Flow 1 egress (mean 20.45 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.046 ms)

```
Run 9: Statistics of Saturator

Start at: Wed, 05 Jul 2017 12:39:29 +0000
End at: Wed, 05 Jul 2017 12:39:59 +0000
Local clock offset: 0.043 ms
Remote clock offset: -4.381 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 53.807 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 53.807 ms
Loss rate: 0.41%
```
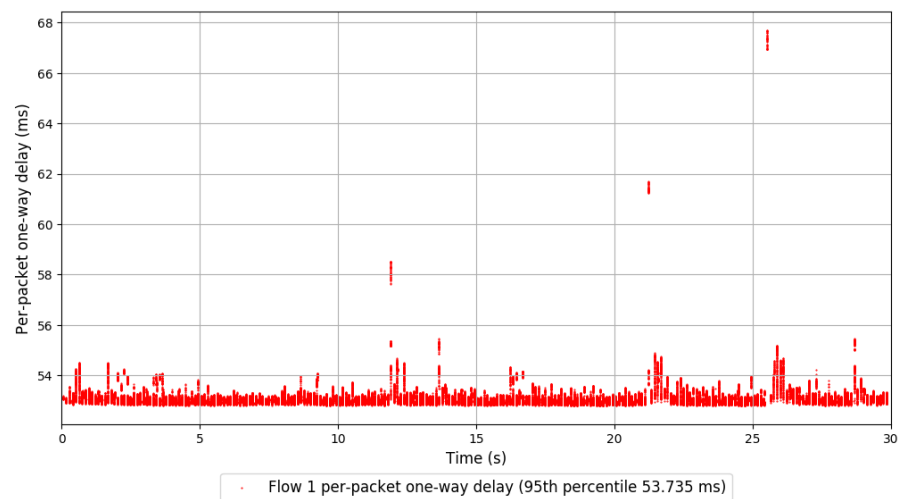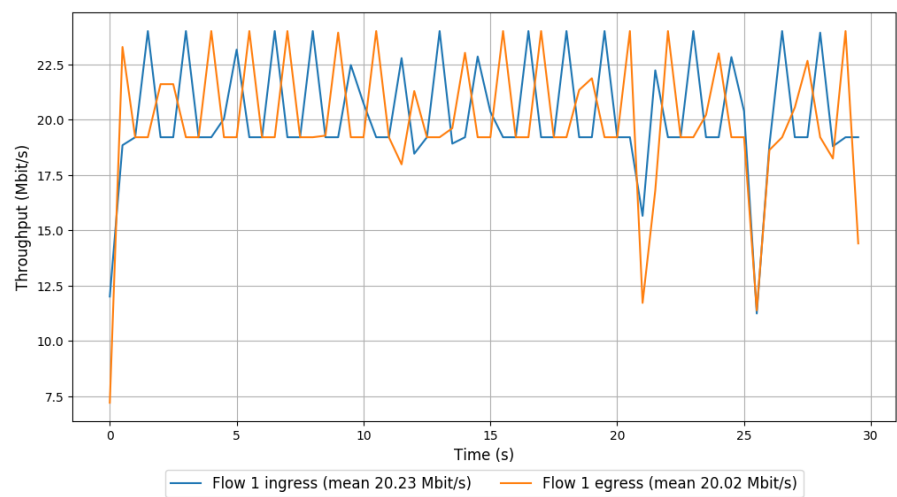
Run 9: Report of Saturator — Data Link

Flow 1 ingress (mean 20.57 Mbit/s)   Flow 1 egress (mean 20.56 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.807 ms)

```
Run 10: Statistics of Saturator

Start at: Wed, 05 Jul 2017 12:56:59 +0000
End at: Wed, 05 Jul 2017 12:57:29 +0000
Local clock offset: 0.108 ms
Remote clock offset: -5.556 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 53.735 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 20.02 Mbit/s
95th percentile per-packet one-way delay: 53.735 ms
Loss rate: 1.43%
```
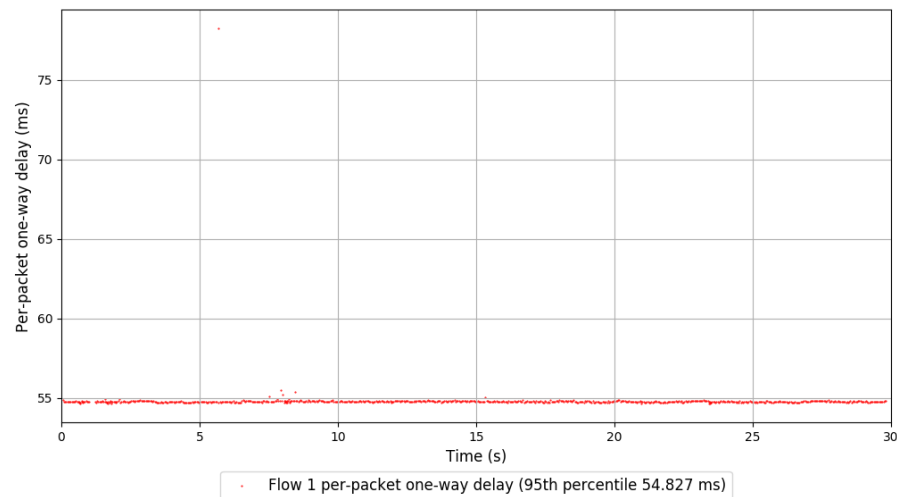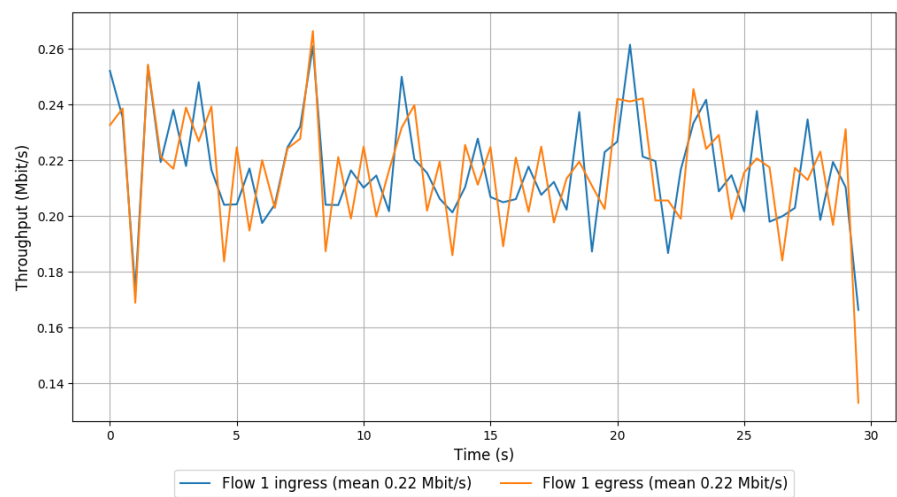
Run 10: Report of Saturator — Data Link

```
Run 1: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 10:13:53 +0000
End at: Wed, 05 Jul 2017 10:14:23 +0000
Local clock offset: 0.253 ms
Remote clock offset: -2.748 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.827 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.827 ms
Loss rate: 0.38%
```
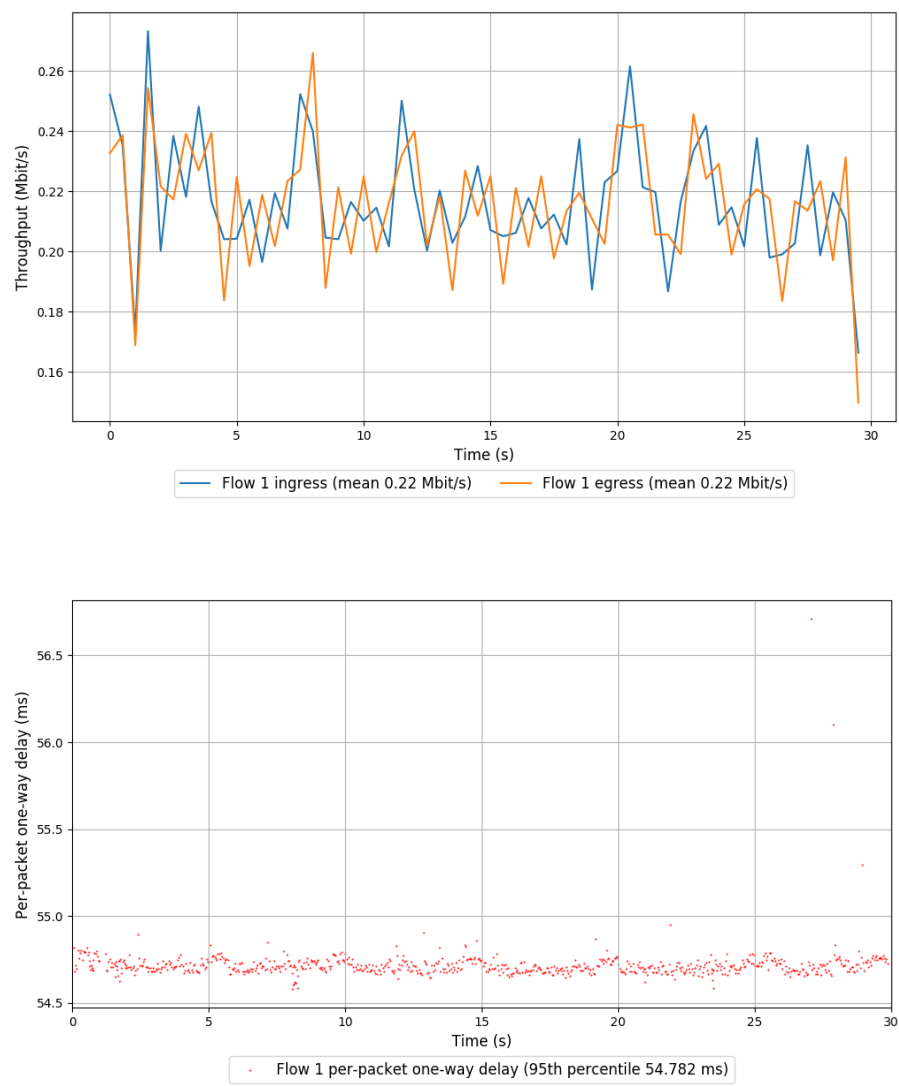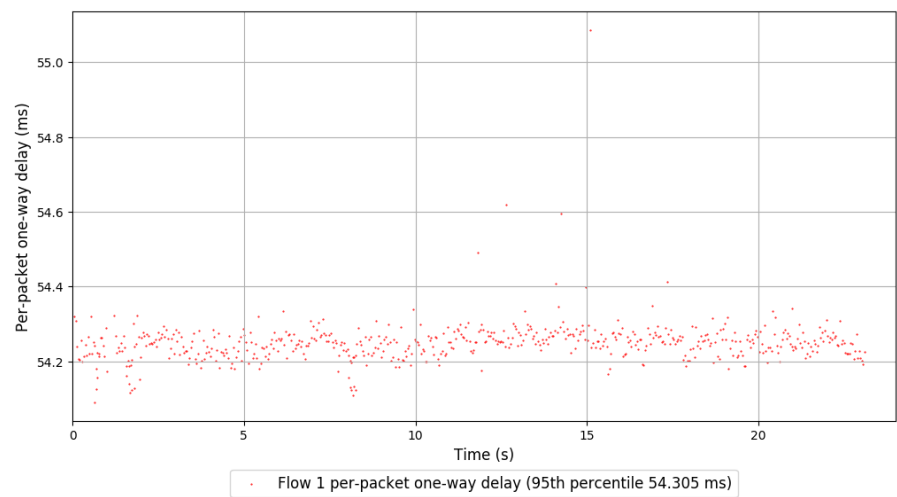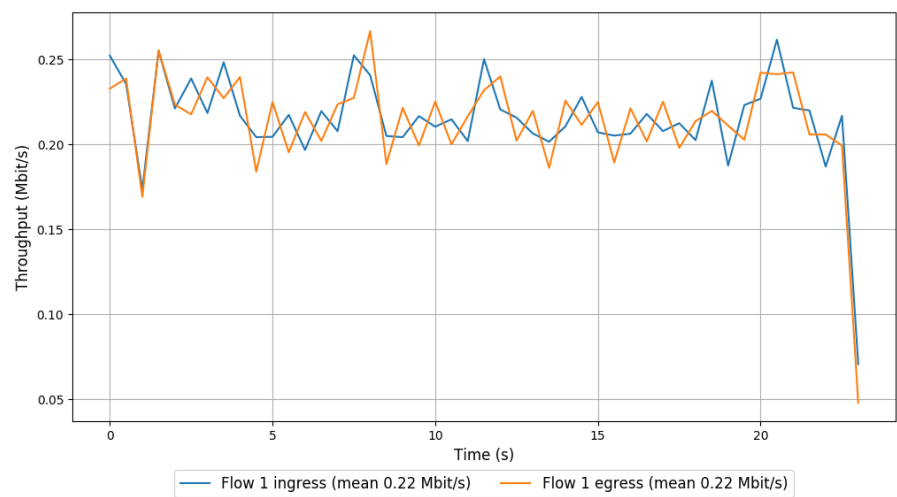
Run 1: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.22 Mbit/s) ——— Flow 1 egress (mean 0.22 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.827 ms)

```
Run 2: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 10:31:31 +0000
End at: Wed, 05 Jul 2017 10:32:02 +0000
Local clock offset: 0.378 ms
Remote clock offset: -3.283 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.782 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.782 ms
Loss rate: 0.25%
```
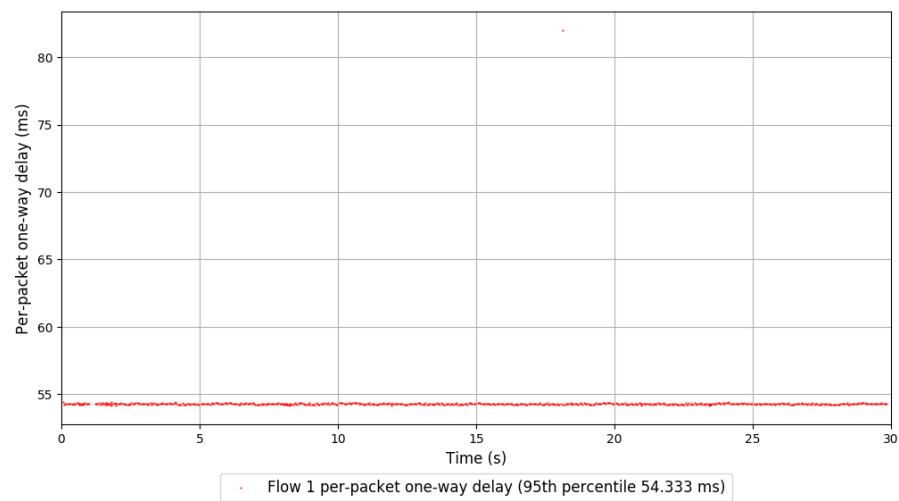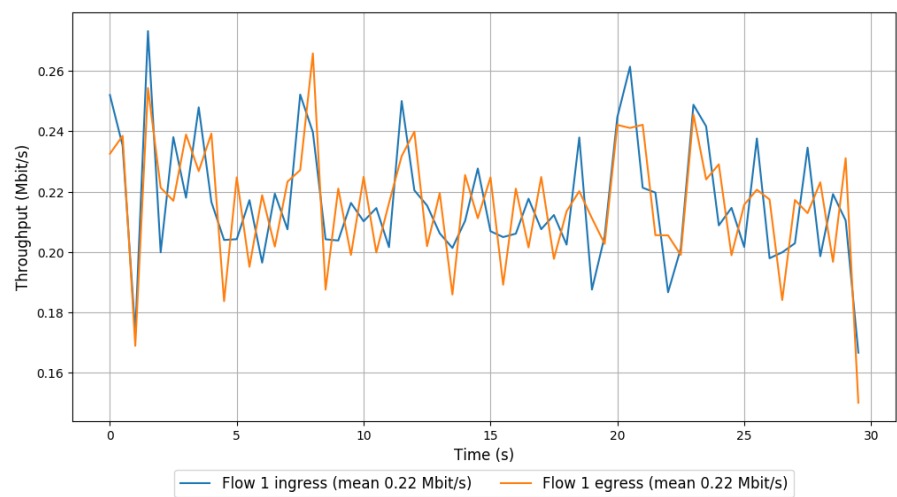
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 10:48:41 +0000
End at: Wed, 05 Jul 2017 10:49:11 +0000
Local clock offset: 0.314 ms
Remote clock offset: -3.228 ms
```

Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 11:06:10 +0000
End at: Wed, 05 Jul 2017 11:06:40 +0000
Local clock offset: 0.173 ms
Remote clock offset: -3.442 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.333 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.333 ms
Loss rate: 0.25%
```
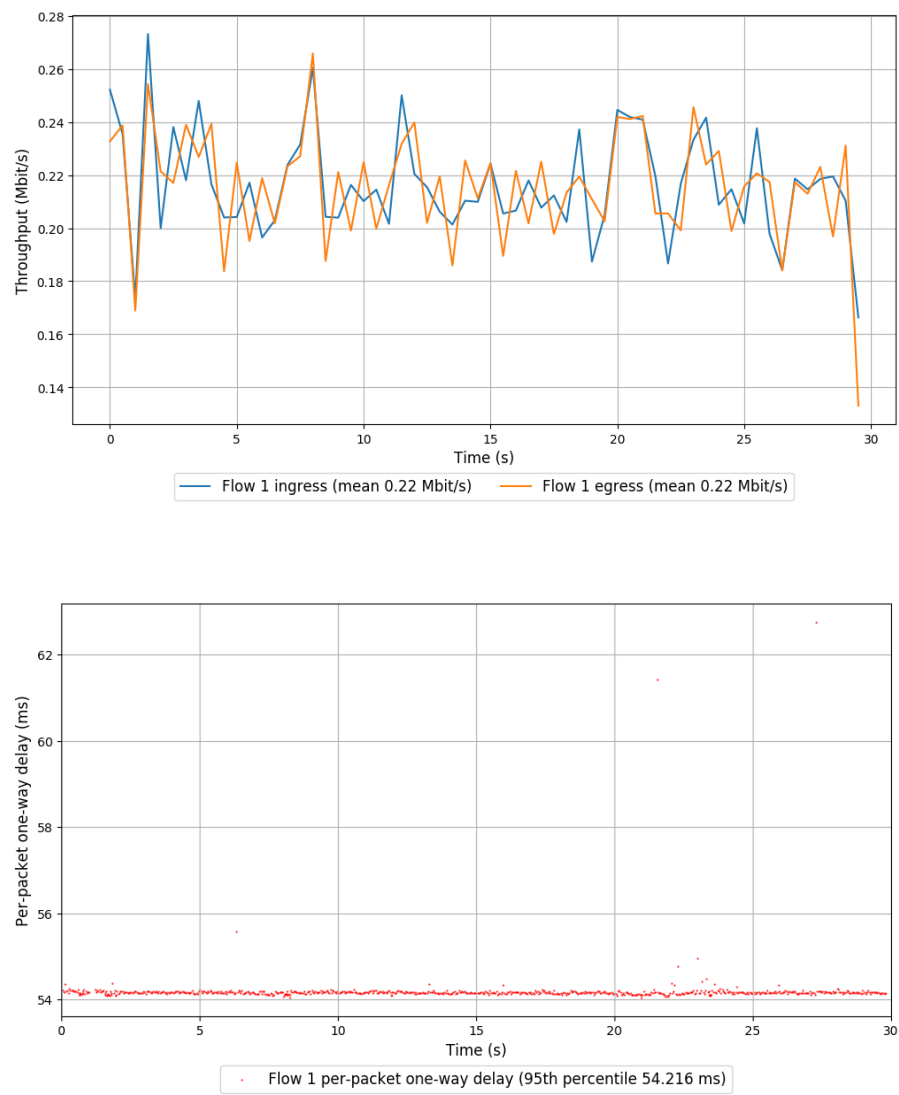
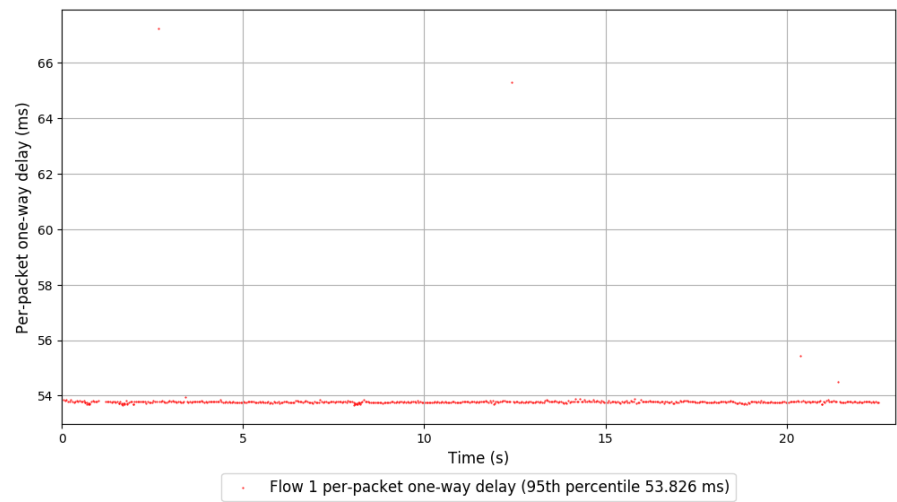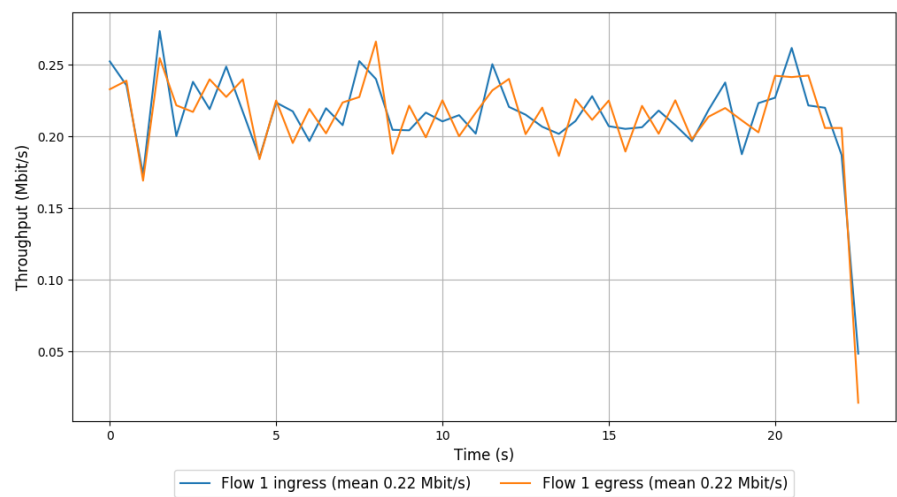# Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 11:23:38 +0000
End at: Wed, 05 Jul 2017 11:24:08 +0000
Local clock offset: 0.322 ms
Remote clock offset: -3.686 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.216 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 54.216 ms
Loss rate: 0.38%
```

Run 5: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.22 Mbit/s)   Flow 1 egress (mean 0.22 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.216 ms)

Run 6: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 11:41:09 +0000
End at: Wed, 05 Jul 2017 11:41:39 +0000
Local clock offset: 0.235 ms
Remote clock offset: -3.949 ms

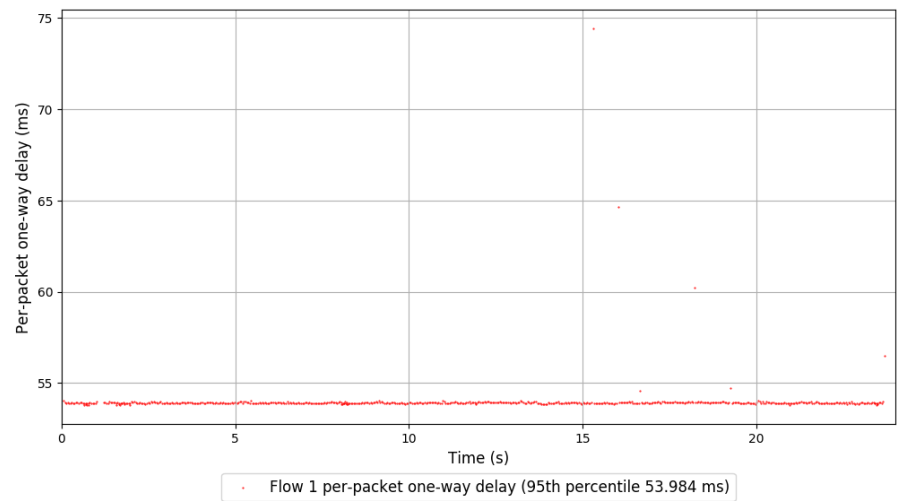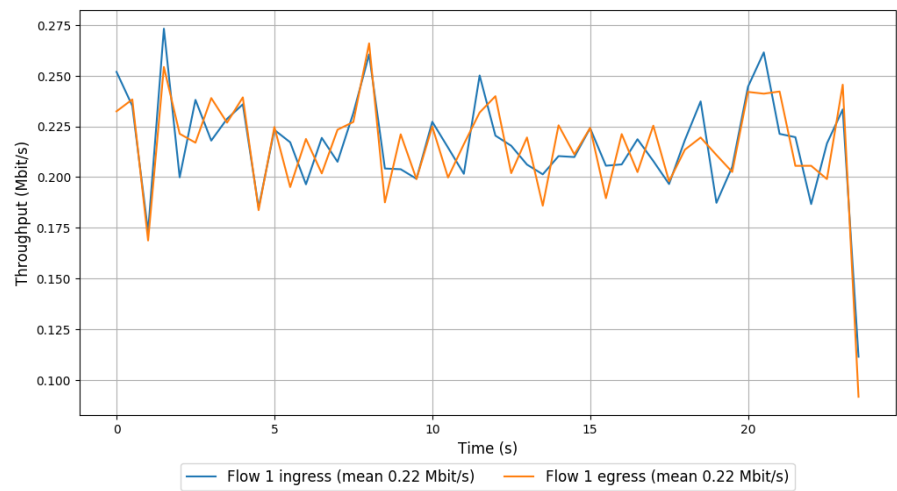# Run 6: Report of SCReAM — Data Link

Run 7: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 11:58:37 +0000
End at: Wed, 05 Jul 2017 11:59:07 +0000
Local clock offset: 0.06 ms
Remote clock offset: -3.795 ms

Run 7: Report of SCReAM — Data Link

197

```
Run 8: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 12:16:03 +0000
End at: Wed, 05 Jul 2017 12:16:33 +0000
Local clock offset: 0.114 ms
Remote clock offset: -4.515 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.527 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.527 ms
Loss rate: 0.25%
```
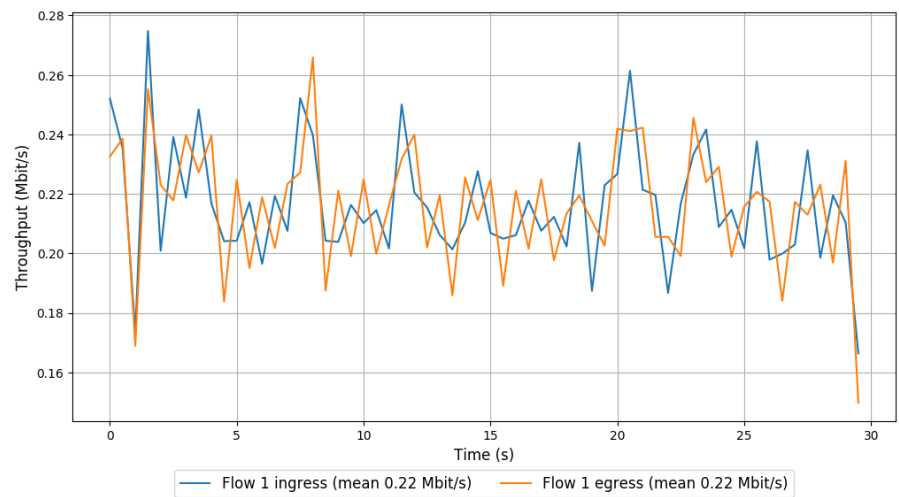
Run 8: Report of SCReAM — Data Link
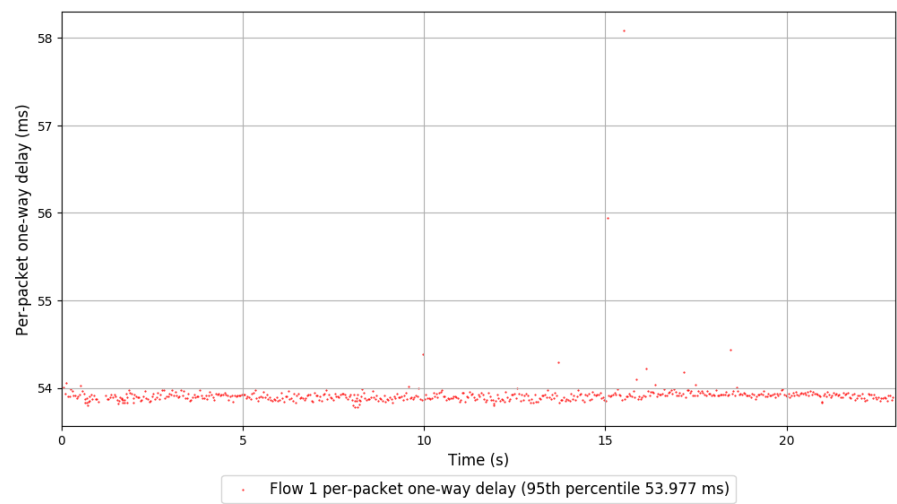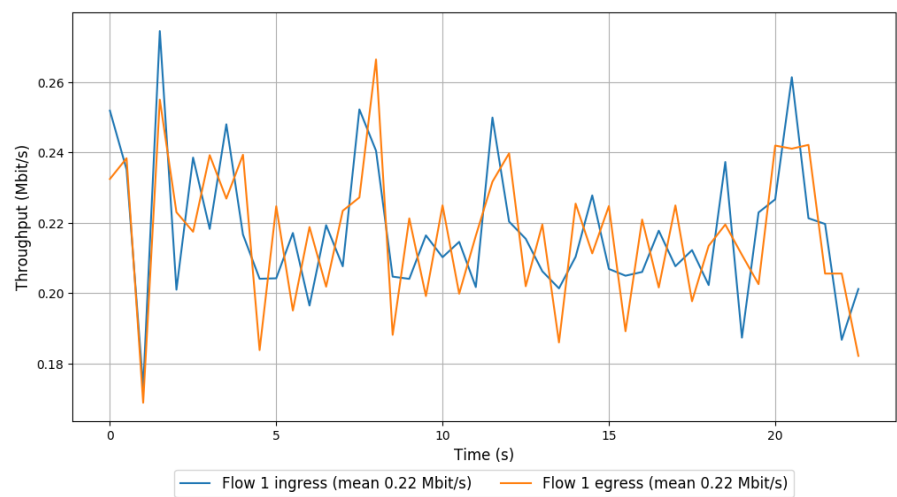
```
Run 9: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 12:33:37 +0000
End at: Wed, 05 Jul 2017 12:34:07 +0000
Local clock offset: 0.14 ms
Remote clock offset: -4.185 ms
```

Run 9: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.22 Mbit/s) —— Flow 1 egress (mean 0.22 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.977 ms)

```
Run 10: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 12:51:09 +0000
End at: Wed, 05 Jul 2017 12:51:39 +0000
Local clock offset: 0.112 ms
Remote clock offset: -5.188 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.692 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 53.692 ms
Loss rate: 0.38%
```
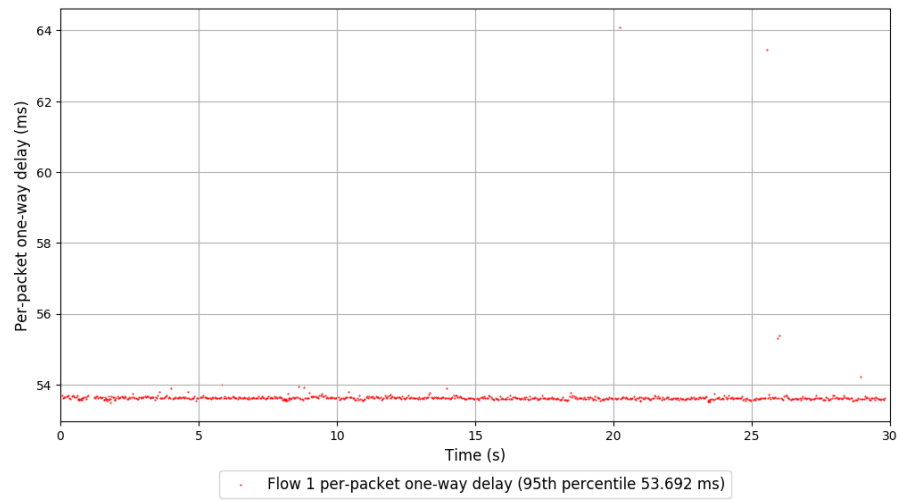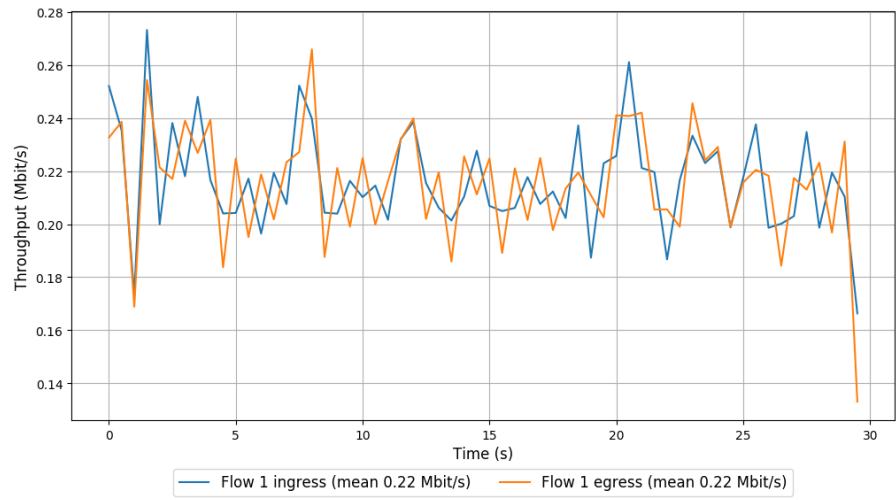
Run 10: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.22 Mbit/s) — Flow 1 egress (mean 0.22 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.692 ms)

203
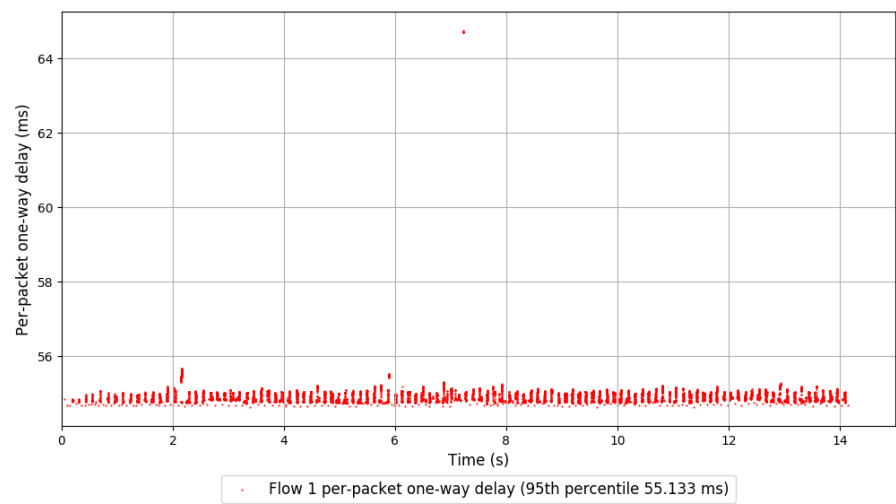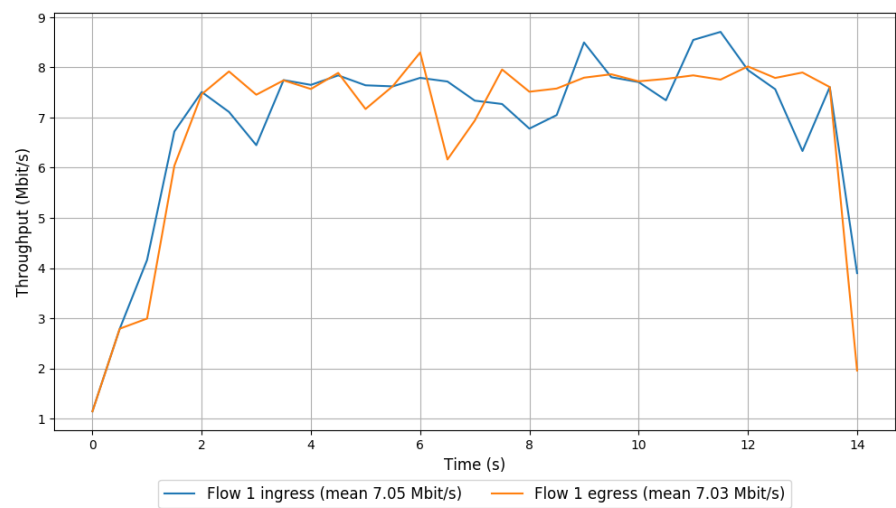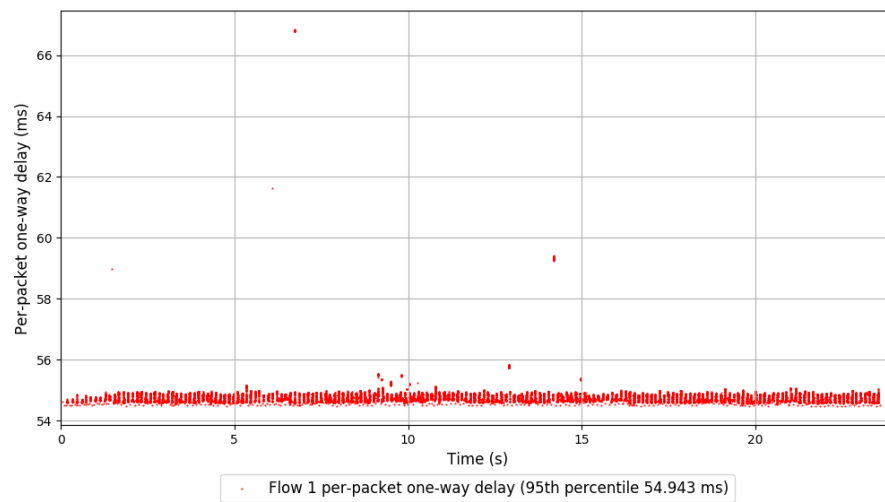
```
Run 1: Statistics of Sprout

Start at: Wed, 05 Jul 2017 10:16:06 +0000
End at: Wed, 05 Jul 2017 10:16:36 +0000
Local clock offset: 0.309 ms
Remote clock offset: -3.167 ms
```

Run 1: Report of Sprout — Data Link

Flow 1 ingress (mean 7.05 Mbit/s)   Flow 1 egress (mean 7.03 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 55.133 ms)
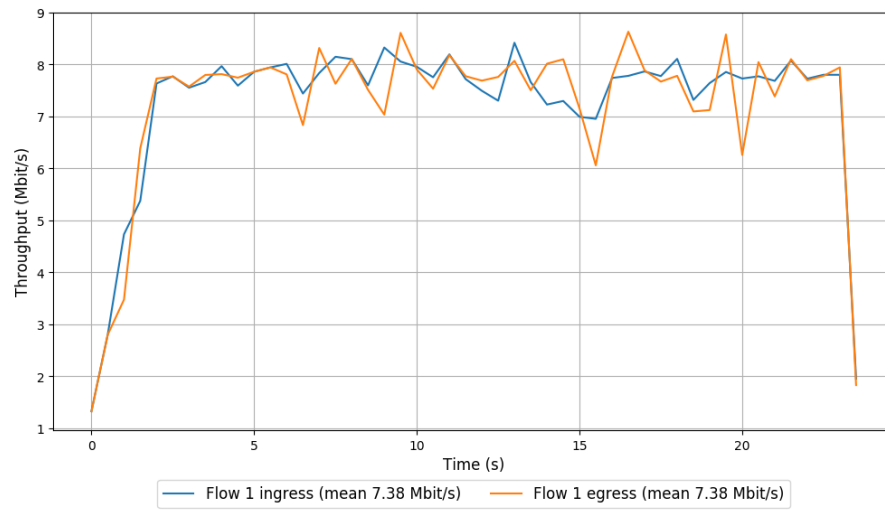
```
Run 2: Statistics of Sprout

Start at: Wed, 05 Jul 2017 10:33:46 +0000
End at: Wed, 05 Jul 2017 10:34:16 +0000
Local clock offset: 0.31 ms
Remote clock offset: -3.194 ms
```

Run 2: Report of Sprout — Data Link
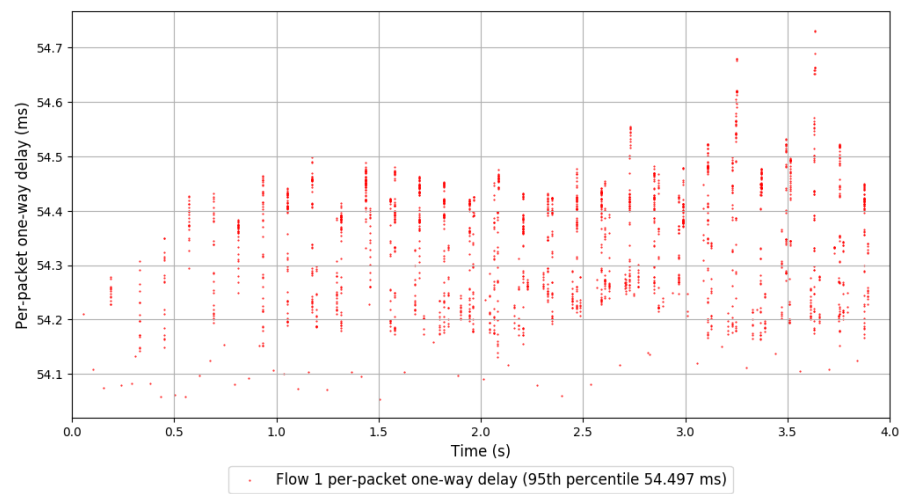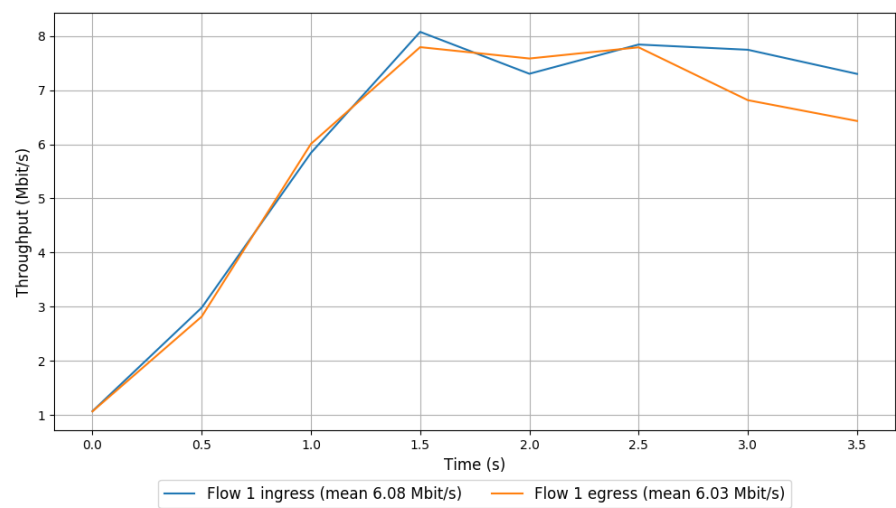
Run 3: Statistics of Sprout

Start at: Wed, 05 Jul 2017 10:50:54 +0000
End at: Wed, 05 Jul 2017 10:51:24 +0000
Local clock offset: 0.339 ms
Remote clock offset: -3.463 ms

Run 3: Report of Sprout — Data Link

```
Run 4: Statistics of Sprout

Start at: Wed, 05 Jul 2017 11:08:23 +0000
End at: Wed, 05 Jul 2017 11:08:53 +0000
Local clock offset: 0.236 ms
Remote clock offset: -3.343 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 54.550 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 7.45 Mbit/s
95th percentile per-packet one-way delay: 54.550 ms
Loss rate: 0.57%
```
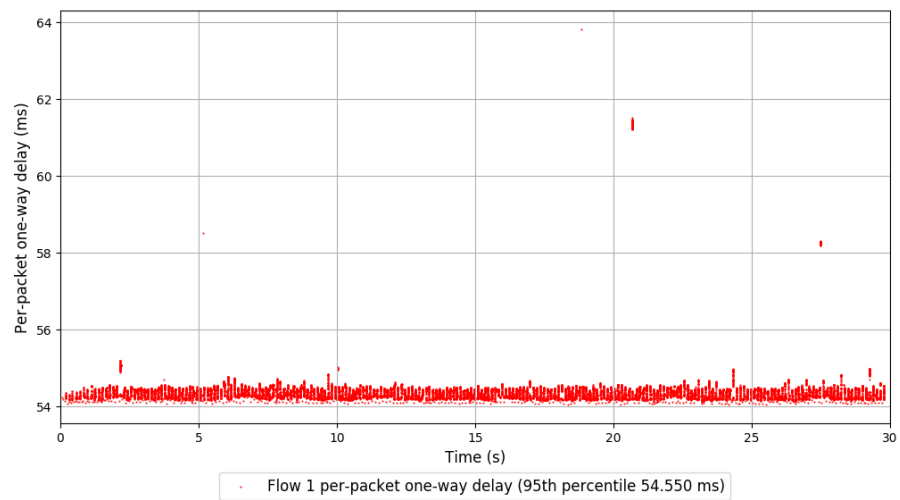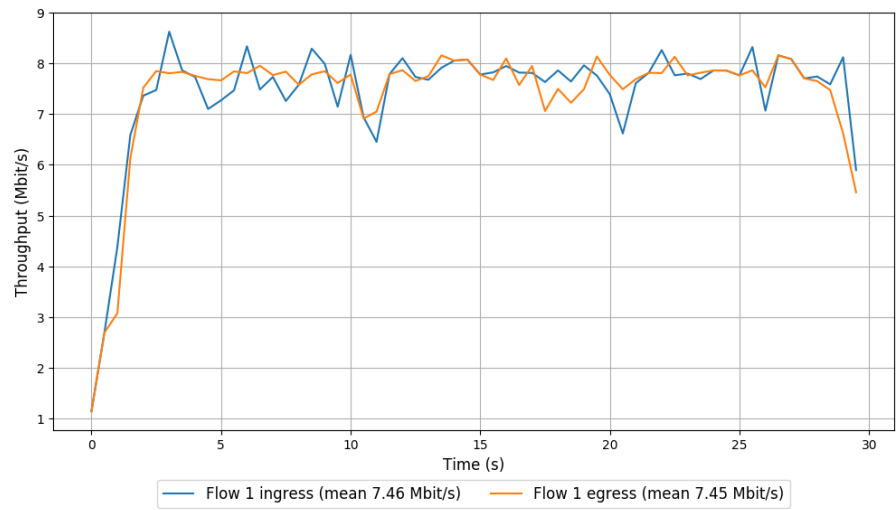
Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 7.46 Mbit/s) ——— Flow 1 egress (mean 7.45 Mbit/s)

. Flow 1 per-packet one-way delay (95th percentile 54.550 ms)
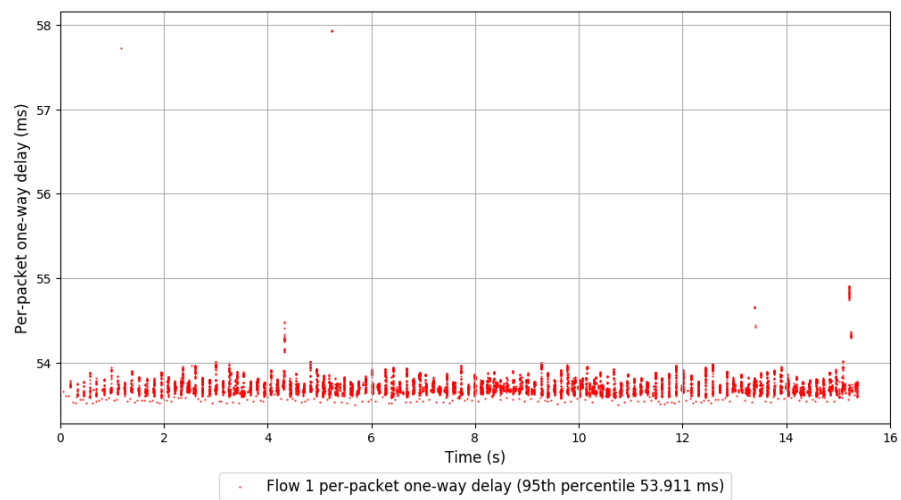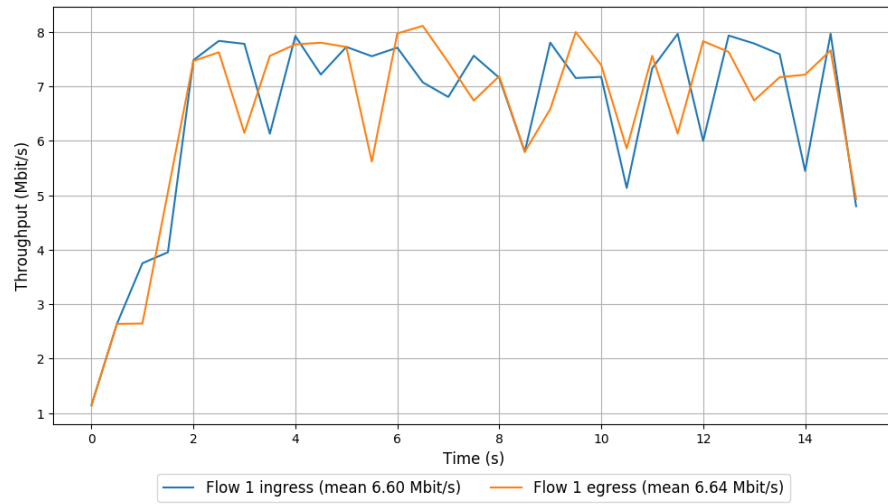
Run 5: Statistics of Sprout

Start at: Wed, 05 Jul 2017 11:25:51 +0000
End at: Wed, 05 Jul 2017 11:26:21 +0000
Local clock offset: 0.309 ms
Remote clock offset: -3.947 ms

Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 6.60 Mbit/s) — Flow 1 egress (mean 6.64 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.911 ms)

```
Run 6: Statistics of Sprout

Start at: Wed, 05 Jul 2017 11:43:22 +0000
End at: Wed, 05 Jul 2017 11:43:52 +0000
Local clock offset: 0.13 ms
Remote clock offset: -3.983 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:40:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.55 Mbit/s
95th percentile per-packet one-way delay: 54.564 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 7.55 Mbit/s
95th percentile per-packet one-way delay: 54.564 ms
Loss rate: 0.43%
```
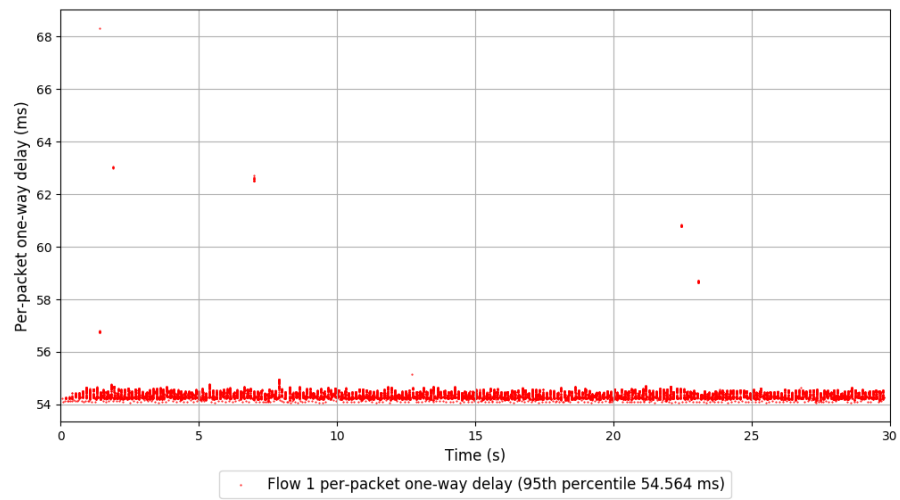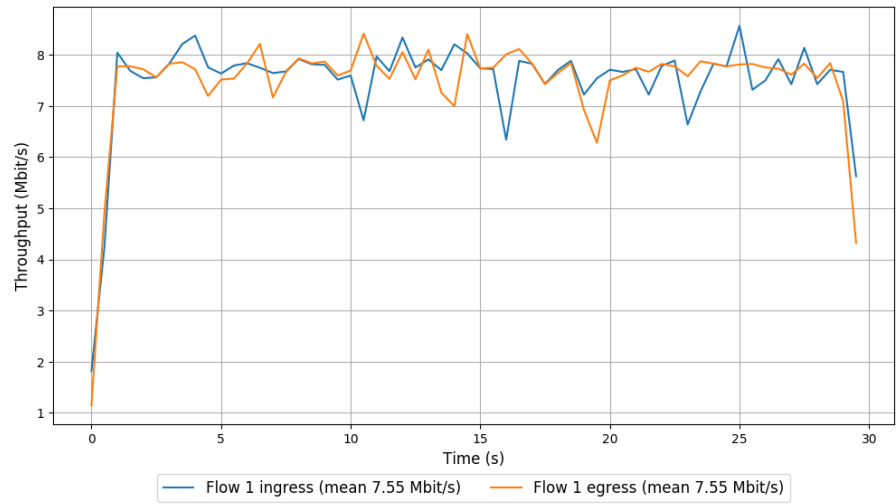
Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 7.55 Mbit/s)   Flow 1 egress (mean 7.55 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.564 ms)
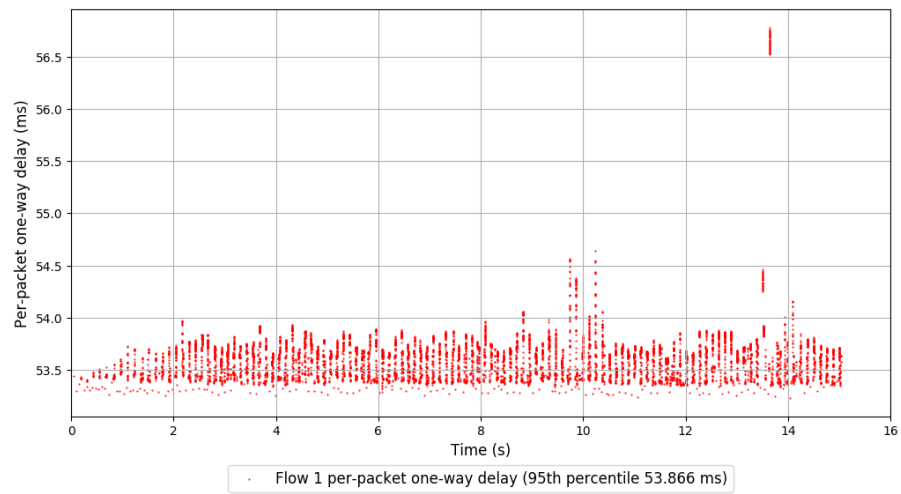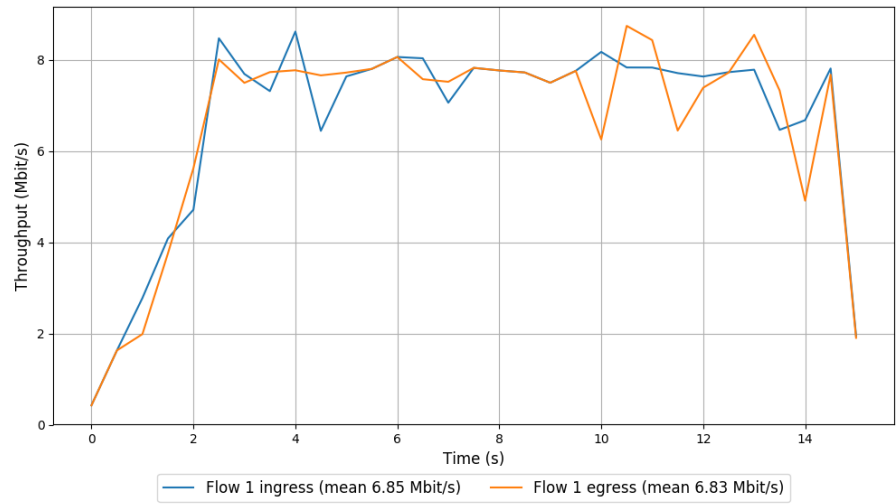
```
Run 7: Statistics of Sprout

Start at: Wed, 05 Jul 2017 12:00:49 +0000
End at: Wed, 05 Jul 2017 12:01:19 +0000
Local clock offset: 0.158 ms
Remote clock offset: -4.155 ms
```

Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 6.85 Mbit/s)   Flow 1 egress (mean 6.83 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.866 ms)
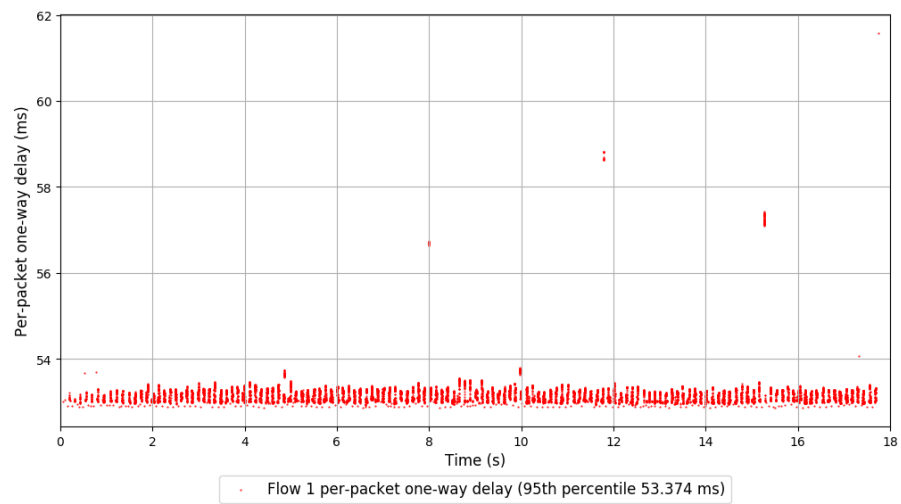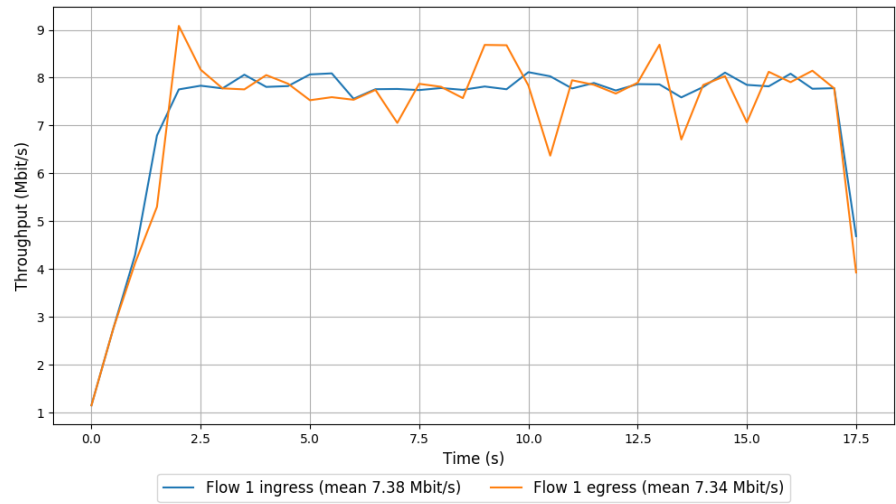
217

```
Run 8: Statistics of Sprout

Start at: Wed, 05 Jul 2017 12:18:17 +0000
End at: Wed, 05 Jul 2017 12:18:47 +0000
Local clock offset: 0.021 ms
Remote clock offset: -4.689 ms
```

Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: Wed, 05 Jul 2017 12:35:50 +0000
End at: Wed, 05 Jul 2017 12:36:20 +0000
Local clock offset: 0.11 ms
Remote clock offset: -4.399 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:41:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 54.231 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 54.231 ms
Loss rate: 0.66%
```
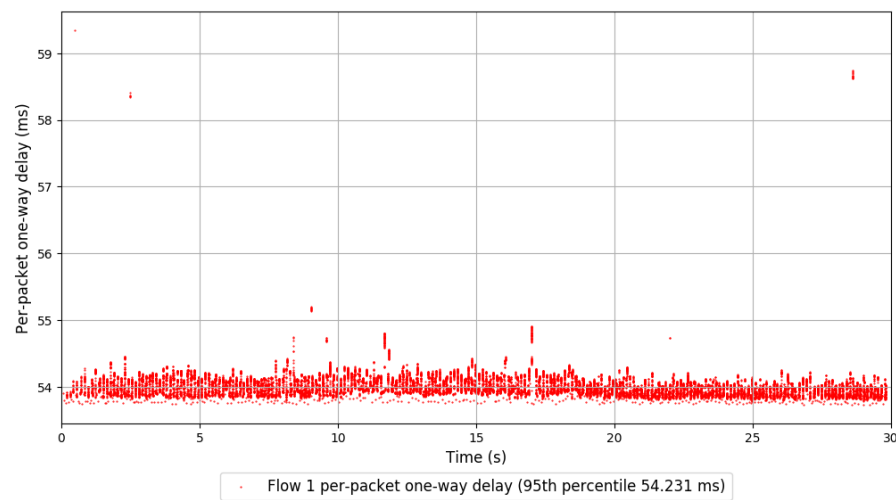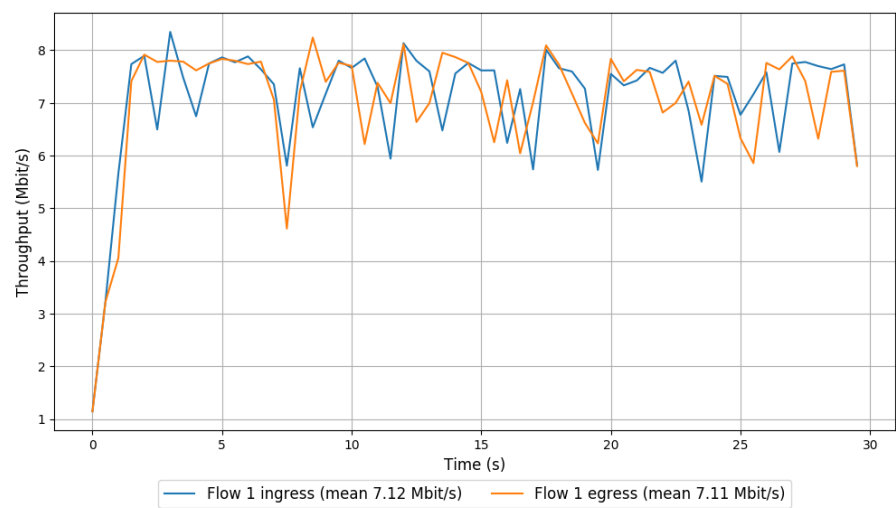
Run 9: Report of Sprout — Data Link
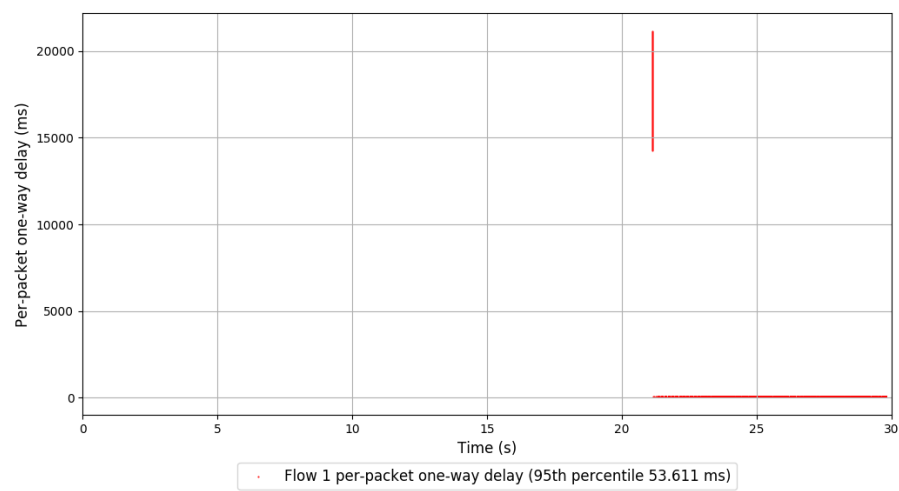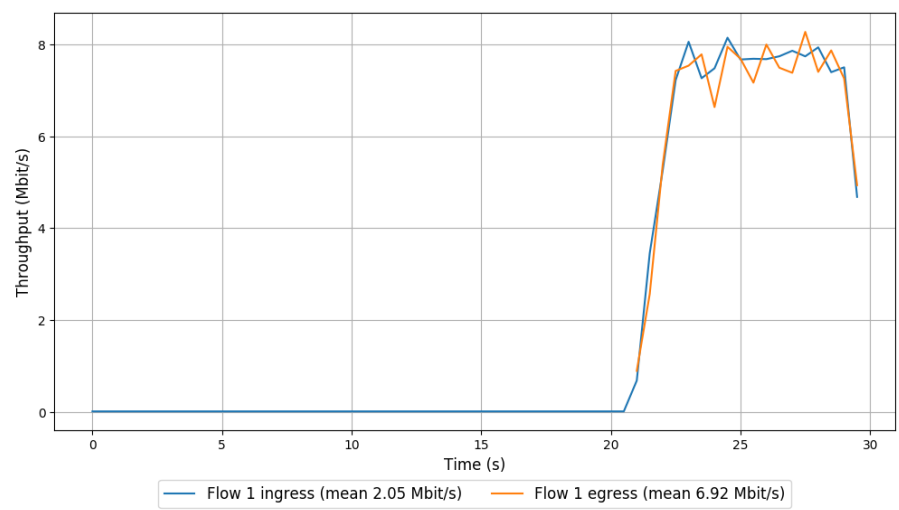
Run 10: Statistics of Sprout

Start at: Wed, 05 Jul 2017 12:53:21 +0000
End at: Wed, 05 Jul 2017 12:53:51 +0000
Local clock offset: 0.155 ms
Remote clock offset: -5.351 ms

Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 2.05 Mbit/s) — Flow 1 egress (mean 6.92 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.611 ms)

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

Start at: Wed, 05 Jul 2017 10:18:29 +0000
End at: Wed, 05 Jul 2017 10:18:59 +0000
Local clock offset: 0.33 ms
Remote clock offset: -3.351 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:41:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 63.528 ms
Loss rate: 6.18%
-- Flow 1:
Average throughput: 94.92 Mbit/s
95th percentile per-packet one-way delay: 63.528 ms
Loss rate: 6.18%
```
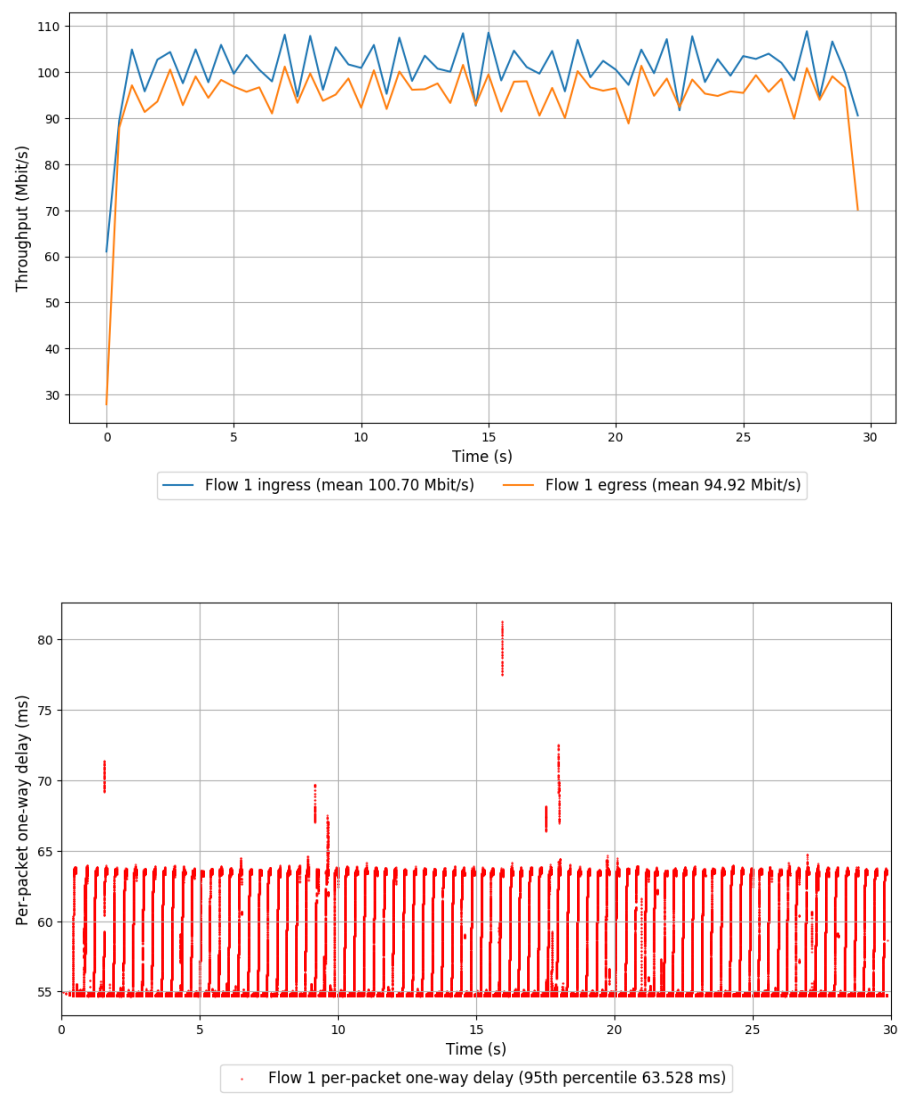
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 100.70 Mbit/s)　　Flow 1 egress (mean 94.92 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.528 ms)
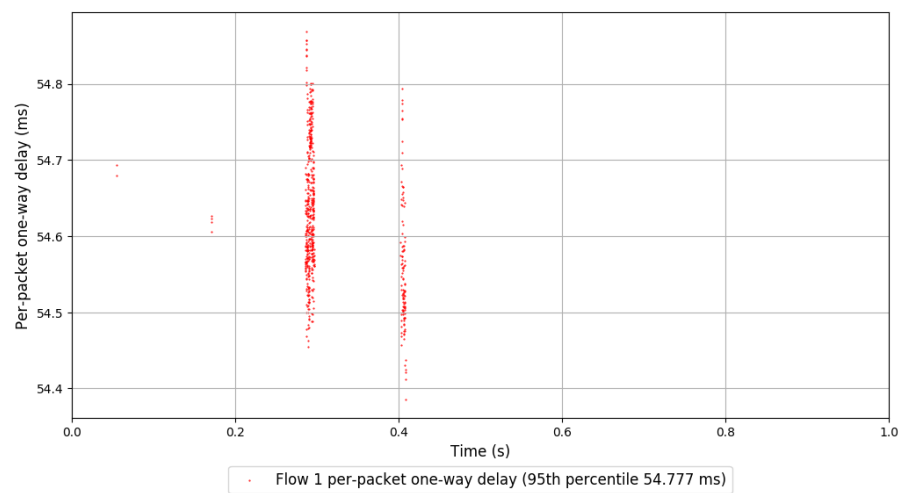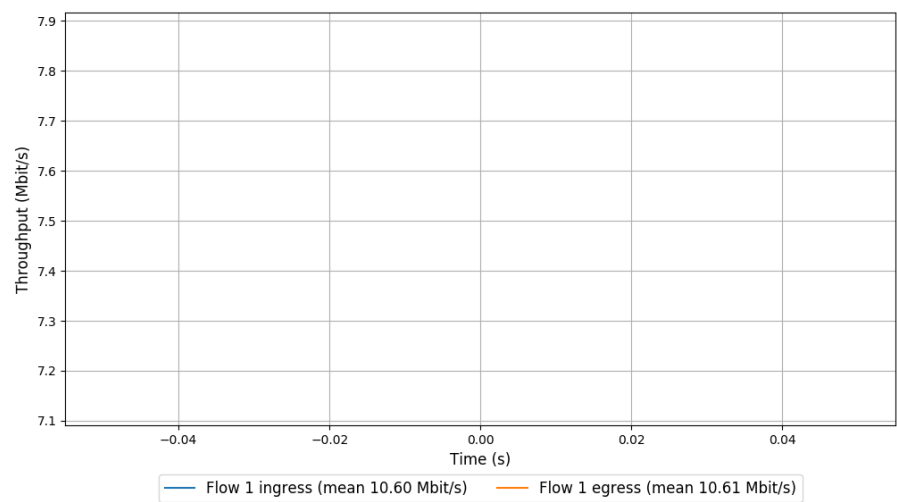
225

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

Start at: Wed, 05 Jul 2017 10:35:58 +0000
End at: Wed, 05 Jul 2017 10:36:28 +0000
Local clock offset: 0.358 ms
Remote clock offset: -3.405 ms
```

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

Flow 1 ingress (mean 10.60 Mbit/s) —— Flow 1 egress (mean 10.61 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.777 ms)

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

Start at: Wed, 05 Jul 2017 10:53:15 +0000
End at: Wed, 05 Jul 2017 10:53:45 +0000
Local clock offset: 0.364 ms
Remote clock offset: -3.846 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:41:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 62.988 ms
Loss rate: 6.71%
-- Flow 1:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 62.988 ms
Loss rate: 6.71%
```
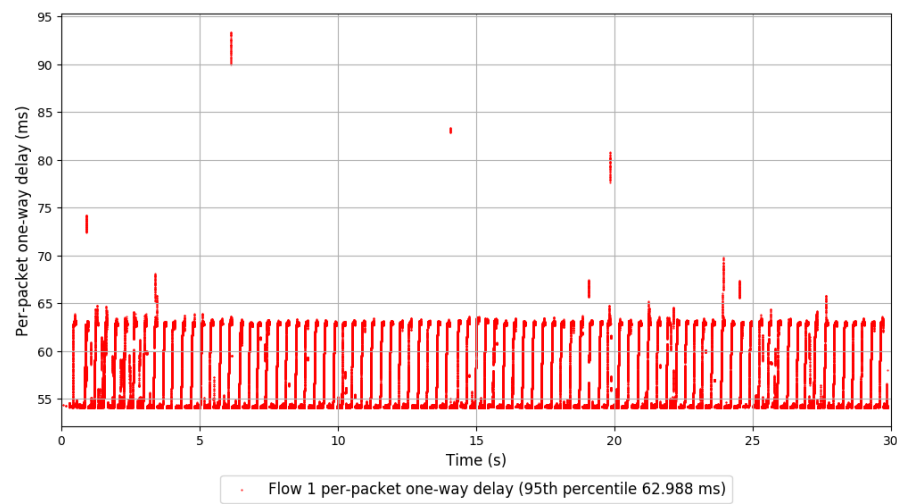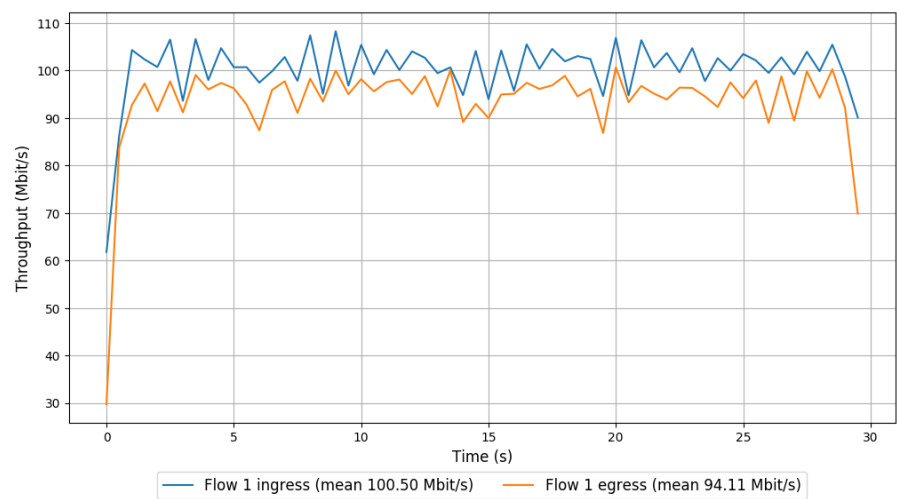
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 100.50 Mbit/s) — Flow 1 egress (mean 94.11 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.988 ms)
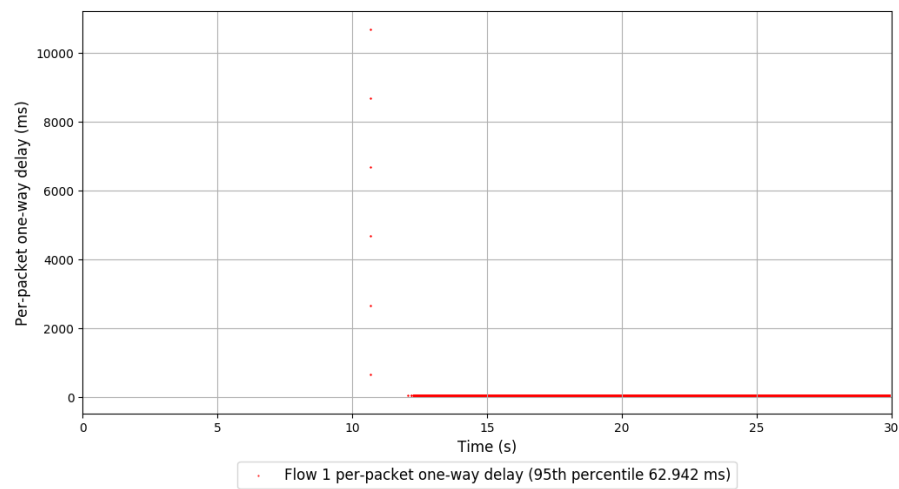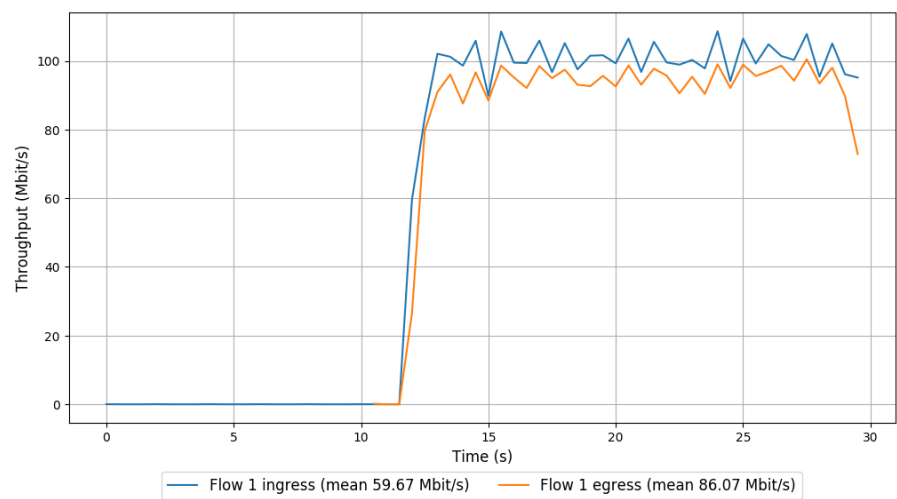
```
Run 4: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 11:10:47 +0000
End at: Wed, 05 Jul 2017 11:11:17 +0000
Local clock offset: 0.163 ms
Remote clock offset: -3.58 ms
```

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

Flow 1 ingress (mean 59.67 Mbit/s)   Flow 1 egress (mean 86.07 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.942 ms)

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

Start at: Wed, 05 Jul 2017 11:28:13 +0000
End at: Wed, 05 Jul 2017 11:28:43 +0000
Local clock offset: 0.28 ms
Remote clock offset: -4.003 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:41:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 62.487 ms
Loss rate: 6.81%
-- Flow 1:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 62.487 ms
Loss rate: 6.81%
```
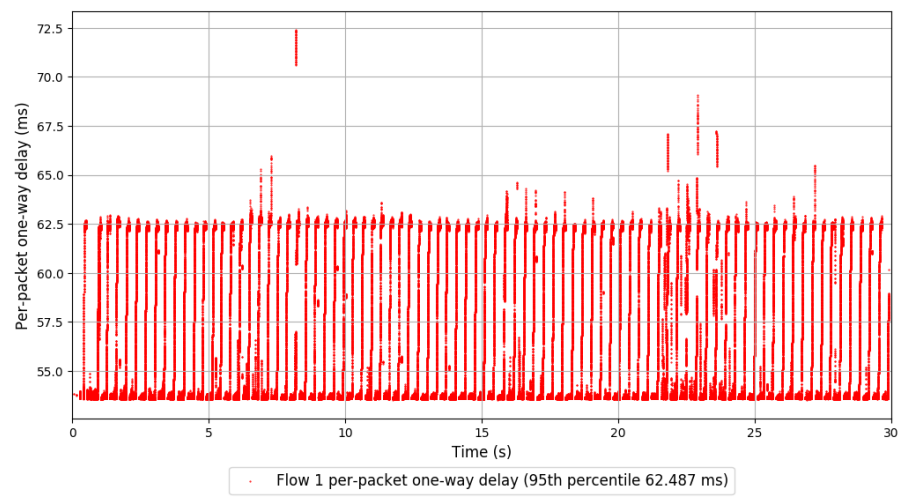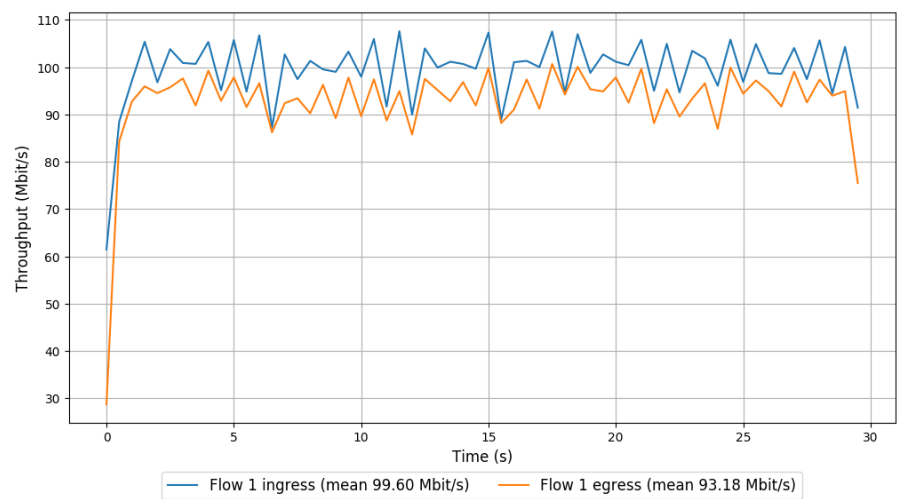
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 99.60 Mbit/s)   Flow 1 egress (mean 93.18 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.487 ms)

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

Start at: Wed, 05 Jul 2017 11:45:40 +0000
End at: Wed, 05 Jul 2017 11:46:10 +0000
Local clock offset: 0.107 ms
Remote clock offset: -4.175 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:41:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.31 Mbit/s
95th percentile per-packet one-way delay: 62.767 ms
Loss rate: 7.26%
-- Flow 1:
Average throughput: 89.31 Mbit/s
95th percentile per-packet one-way delay: 62.767 ms
Loss rate: 7.26%
```
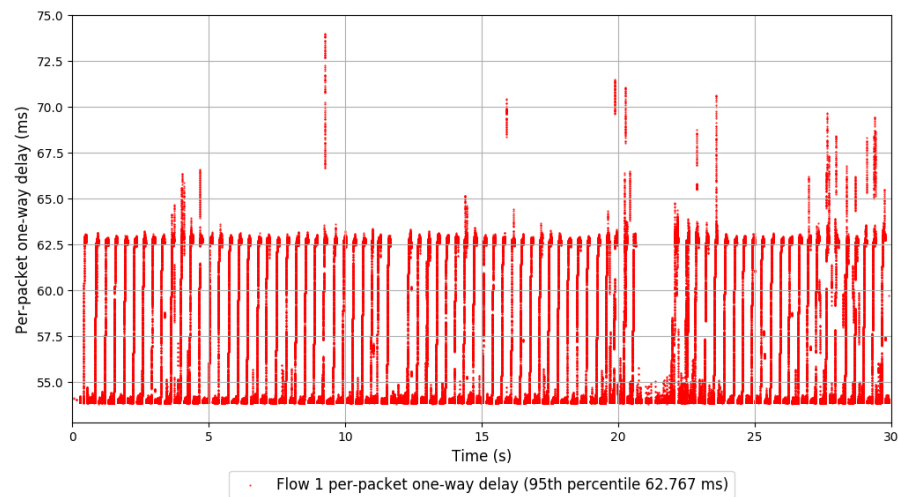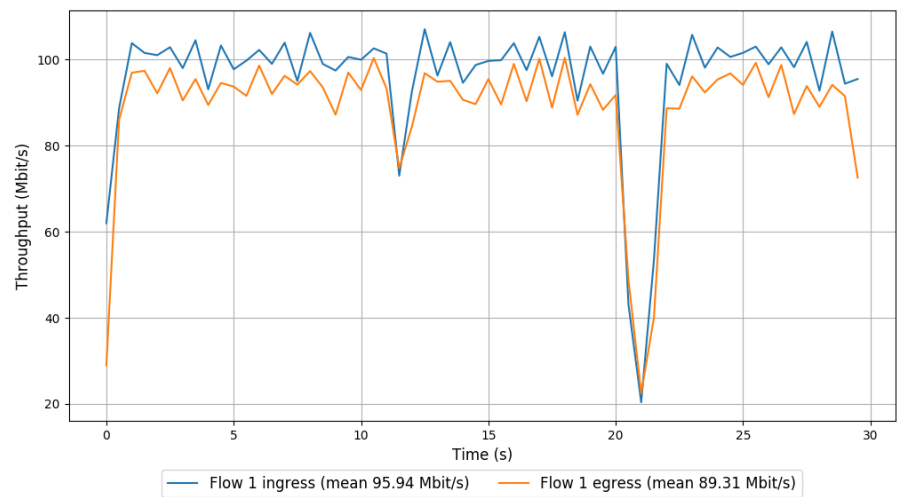
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 95.94 Mbit/s)   Flow 1 egress (mean 89.31 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.767 ms)

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

Start at: Wed, 05 Jul 2017 12:03:06 +0000
End at: Wed, 05 Jul 2017 12:03:36 +0000
Local clock offset: 0.16 ms
Remote clock offset: -4.093 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 62.988 ms
Loss rate: 7.59%
-- Flow 1:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 62.988 ms
Loss rate: 7.59%
```
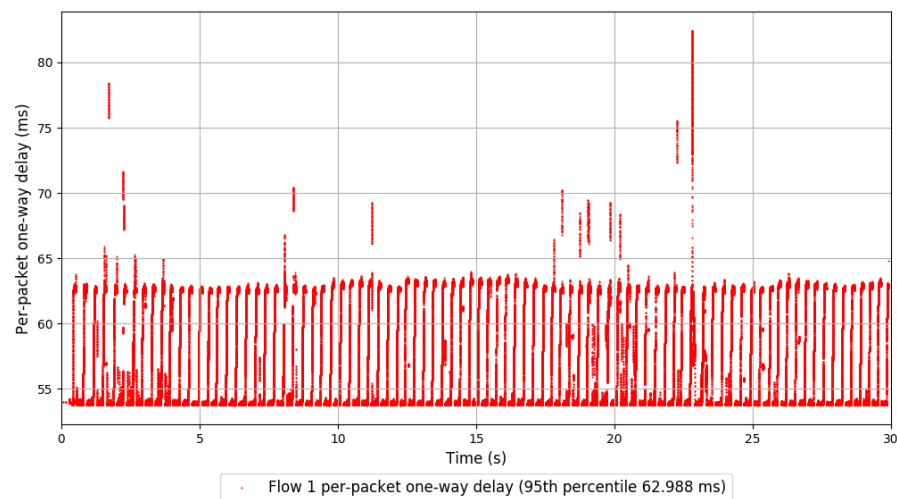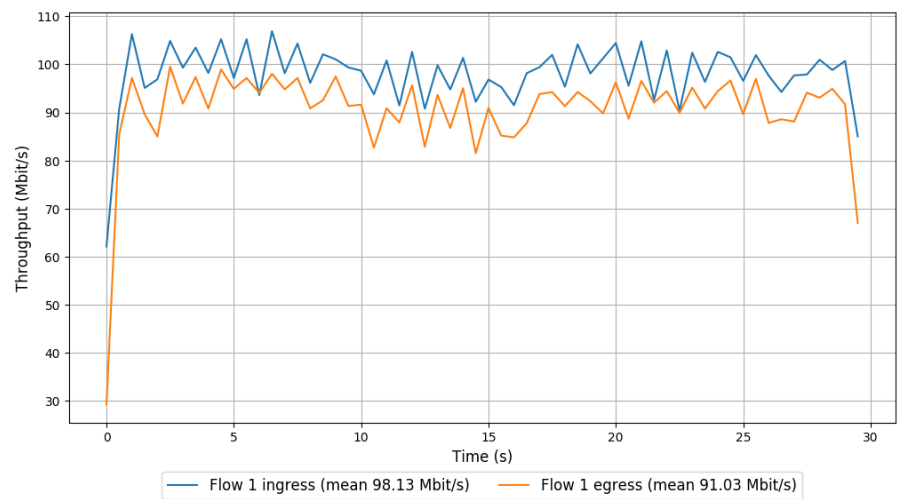
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 98.13 Mbit/s) — Flow 1 egress (mean 91.03 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.988 ms)

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

Start at: Wed, 05 Jul 2017 12:20:40 +0000
End at: Wed, 05 Jul 2017 12:21:10 +0000
Local clock offset: 0.055 ms
Remote clock offset: -4.696 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.90 Mbit/s
95th percentile per-packet one-way delay: 66.099 ms
Loss rate: 9.44%
-- Flow 1:
Average throughput: 85.90 Mbit/s
95th percentile per-packet one-way delay: 66.099 ms
Loss rate: 9.44%
```
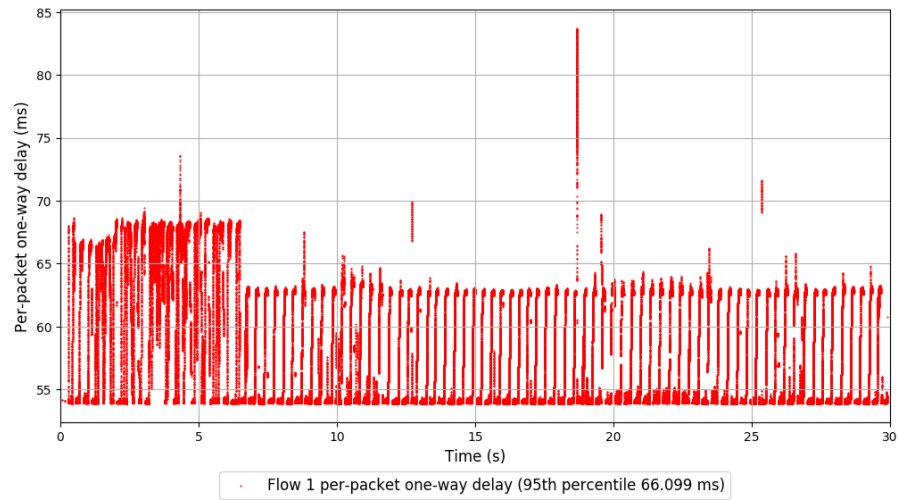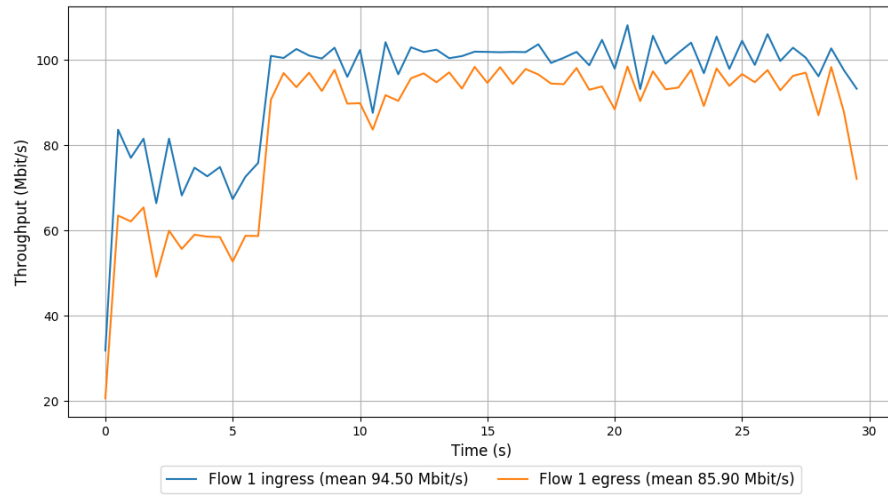
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 94.50 Mbit/s)   Flow 1 egress (mean 85.90 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 66.099 ms)

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

Start at: Wed, 05 Jul 2017 12:38:11 +0000
End at: Wed, 05 Jul 2017 12:38:41 +0000
Local clock offset: 0.038 ms
Remote clock offset: -5.01 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 62.112 ms
Loss rate: 7.43%
-- Flow 1:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 62.112 ms
Loss rate: 7.43%
```
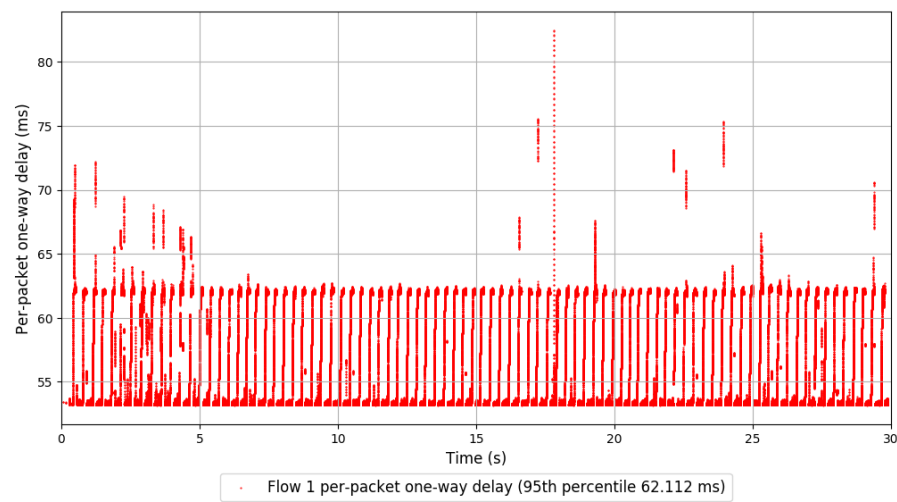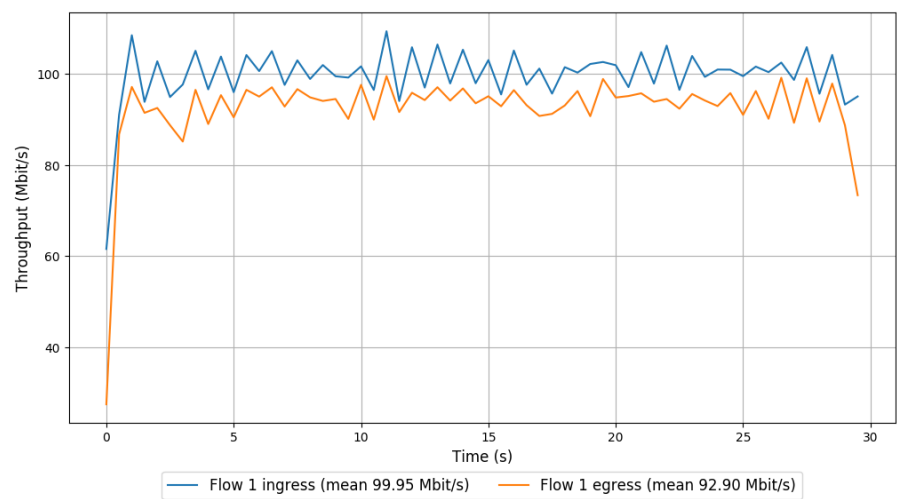
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 99.95 Mbit/s)   Flow 1 egress (mean 92.90 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.112 ms)

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

Start at: Wed, 05 Jul 2017 12:55:41 +0000
End at: Wed, 05 Jul 2017 12:56:11 +0000
Local clock offset: 0.071 ms
Remote clock offset: -5.439 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 61.839 ms
Loss rate: 8.17%
-- Flow 1:
Average throughput: 90.79 Mbit/s
95th percentile per-packet one-way delay: 61.839 ms
Loss rate: 8.17%
```
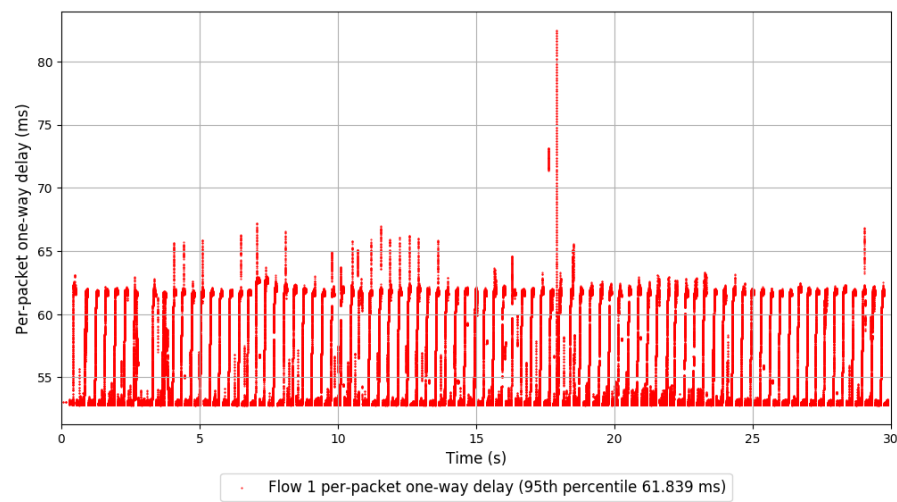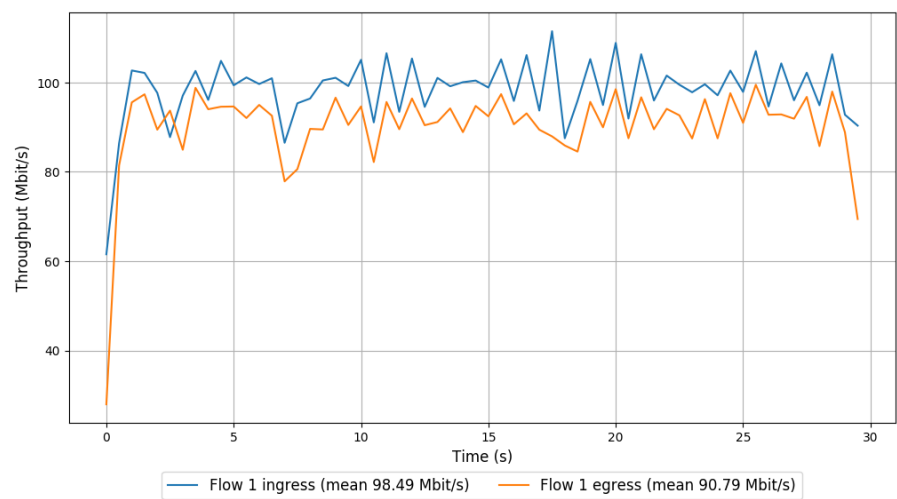
Run 10: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 98.49 Mbit/s)   Flow 1 egress (mean 90.79 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 61.839 ms)

```
Run 1: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 10:25:41 +0000
End at: Wed, 05 Jul 2017 10:26:11 +0000
Local clock offset: 0.293 ms
Remote clock offset: -2.746 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.59 Mbit/s
95th percentile per-packet one-way delay: 55.240 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 16.59 Mbit/s
95th percentile per-packet one-way delay: 55.240 ms
Loss rate: 1.64%
```
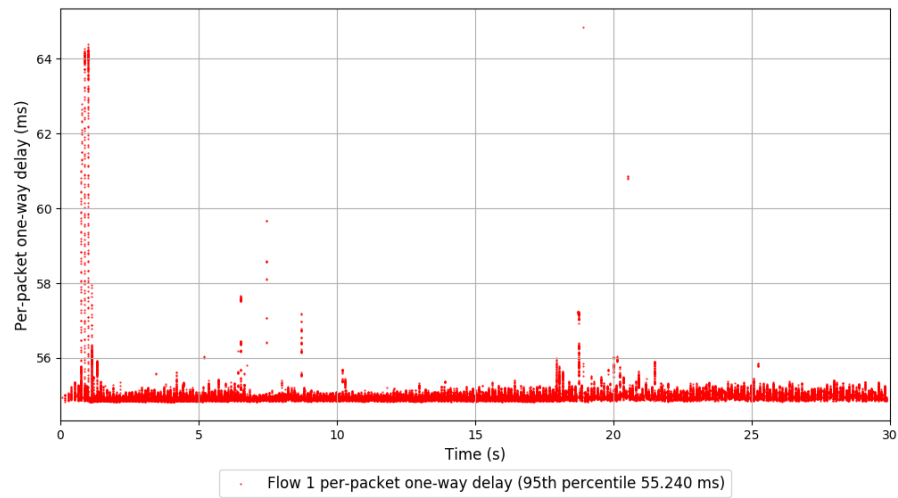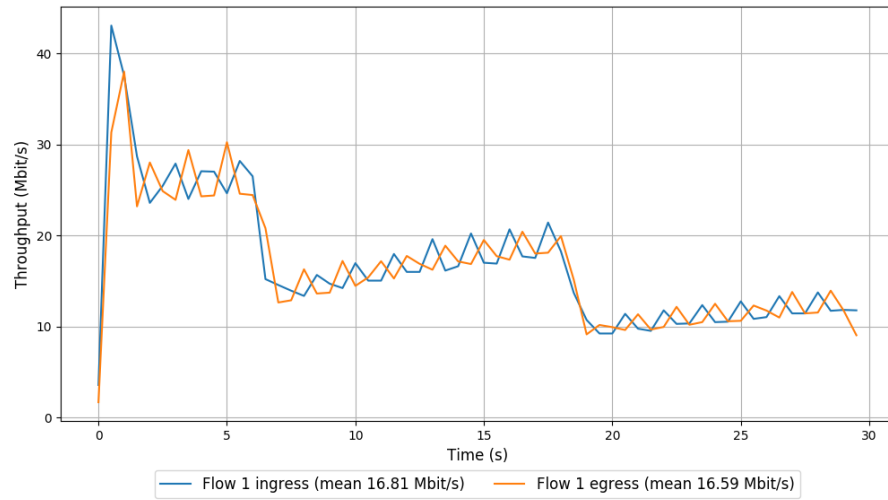
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 10:42:52 +0000
End at: Wed, 05 Jul 2017 10:43:22 +0000
Local clock offset: 0.384 ms
Remote clock offset: -3.403 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.23 Mbit/s
95th percentile per-packet one-way delay: 55.093 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 18.23 Mbit/s
95th percentile per-packet one-way delay: 55.093 ms
Loss rate: 0.53%
```
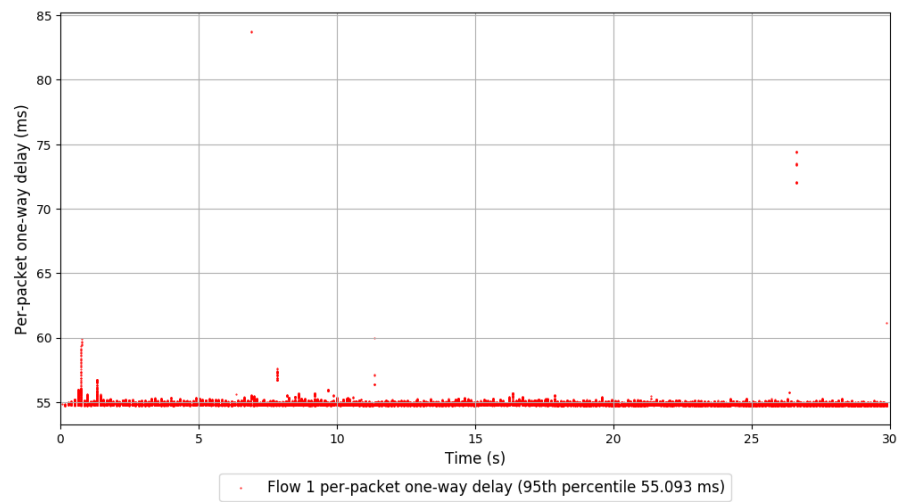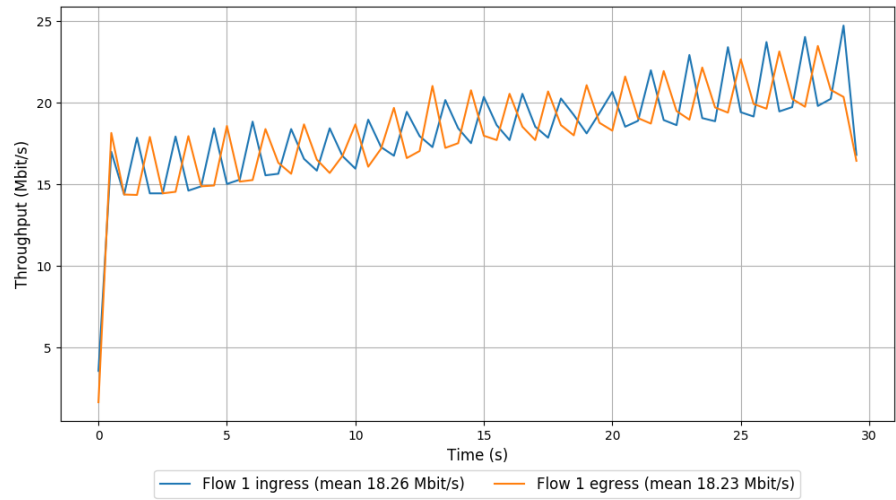
Run 2: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 18.26 Mbit/s) — Flow 1 egress (mean 18.23 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 55.093 ms)

247

```
Run 3: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 11:00:28 +0000
End at: Wed, 05 Jul 2017 11:00:58 +0000
Local clock offset: 0.366 ms
Remote clock offset: -3.533 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 54.685 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 12.99 Mbit/s
95th percentile per-packet one-way delay: 54.685 ms
Loss rate: 0.48%
```
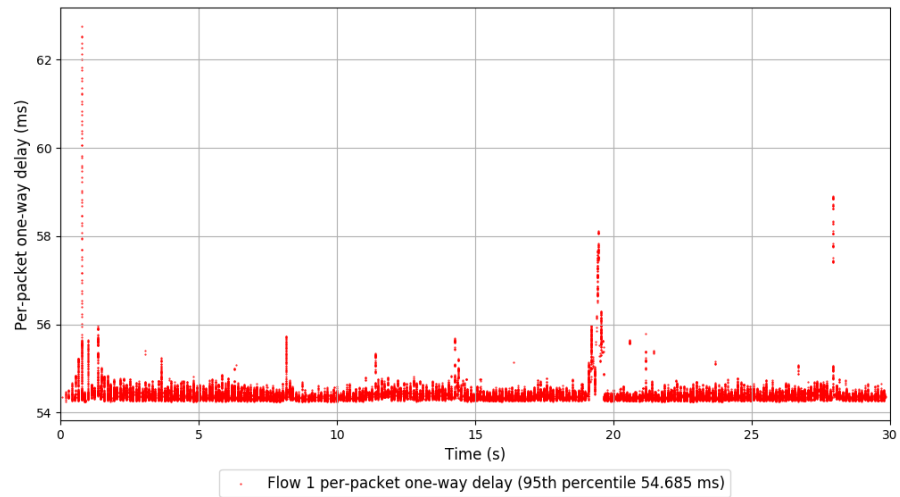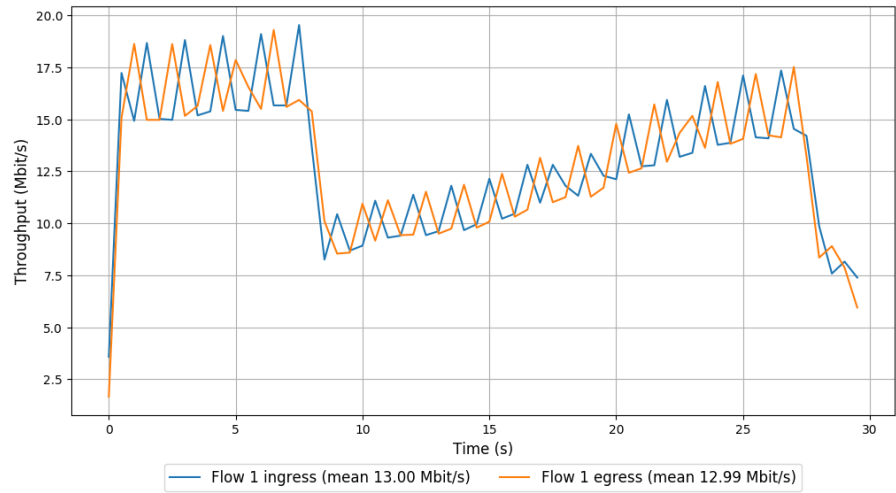
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 13.00 Mbit/s) —— Flow 1 egress (mean 12.99 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 54.685 ms)

```
Run 4: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 11:17:49 +0000
End at: Wed, 05 Jul 2017 11:18:19 +0000
Local clock offset: 0.288 ms
Remote clock offset: -4.377 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 54.278 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 10.35 Mbit/s
95th percentile per-packet one-way delay: 54.278 ms
Loss rate: 0.71%
```
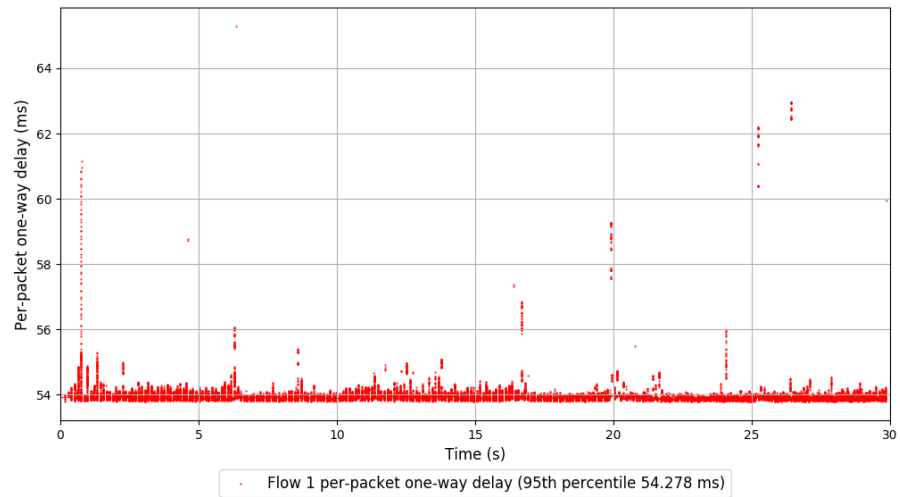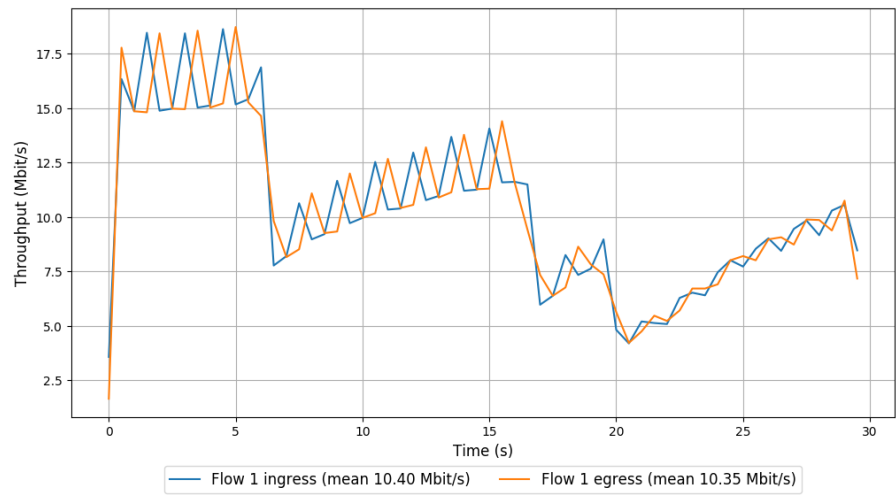
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 11:35:21 +0000
End at: Wed, 05 Jul 2017 11:35:51 +0000
Local clock offset: 0.24 ms
Remote clock offset: -3.932 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 54.411 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 11.13 Mbit/s
95th percentile per-packet one-way delay: 54.411 ms
Loss rate: 1.05%
```
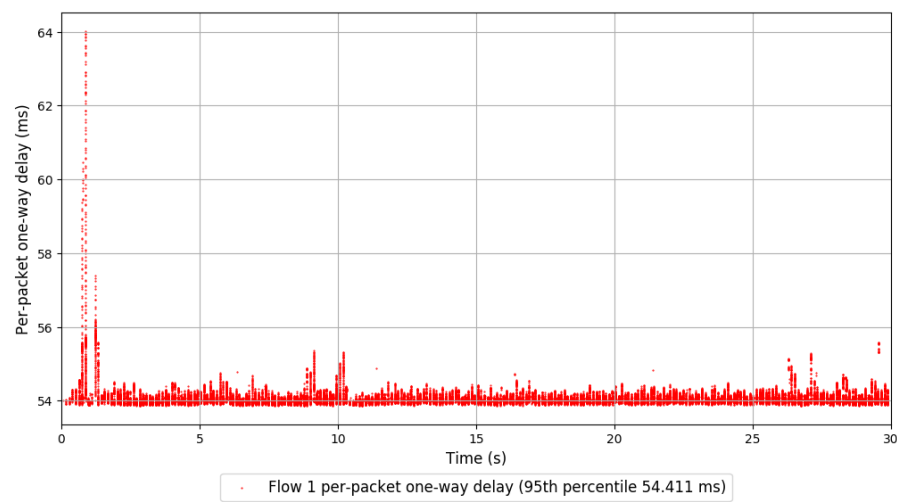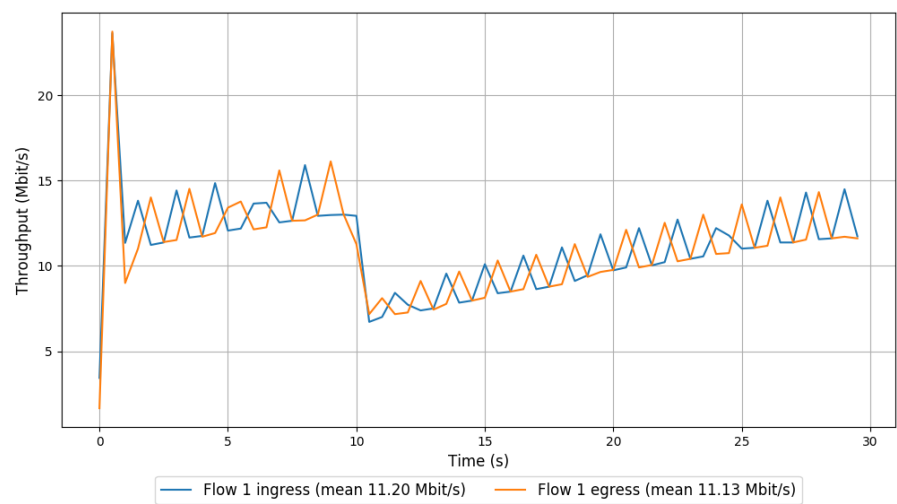
Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 11.20 Mbit/s) ——— Flow 1 egress (mean 11.13 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 54.411 ms)

```
Run 6: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 11:52:48 +0000
End at: Wed, 05 Jul 2017 11:53:18 +0000
Local clock offset: 0.173 ms
Remote clock offset: -4.582 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 54.377 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 54.377 ms
Loss rate: 0.90%
```
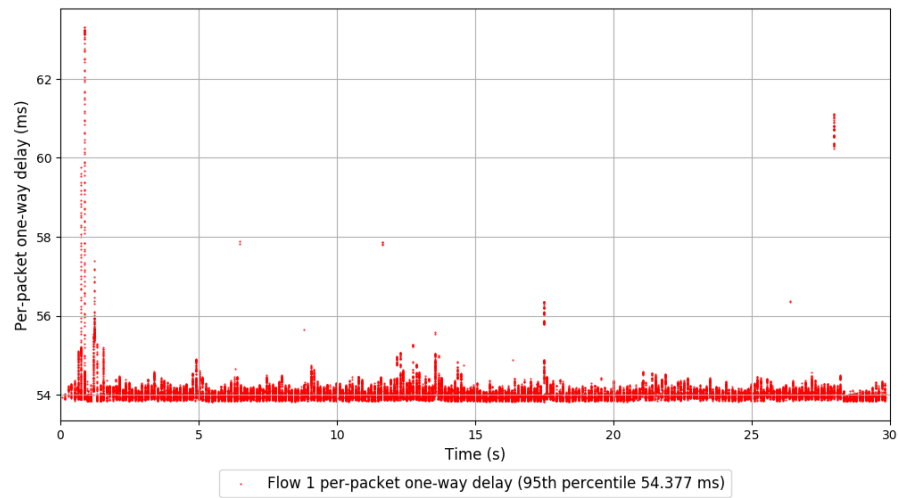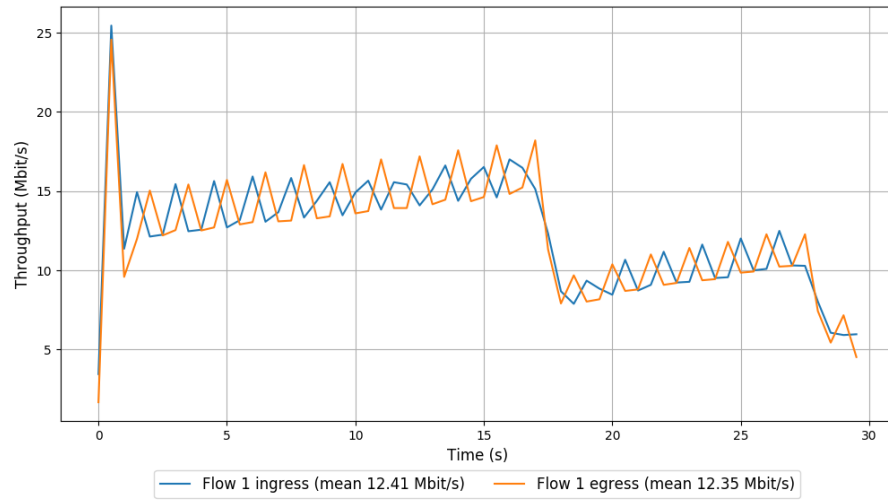
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 12.41 Mbit/s)   Flow 1 egress (mean 12.35 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.377 ms)

```
Run 7: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 12:10:14 +0000
End at: Wed, 05 Jul 2017 12:10:44 +0000
Local clock offset: 0.117 ms
Remote clock offset: -4.158 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 54.087 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 54.087 ms
Loss rate: 1.36%
```
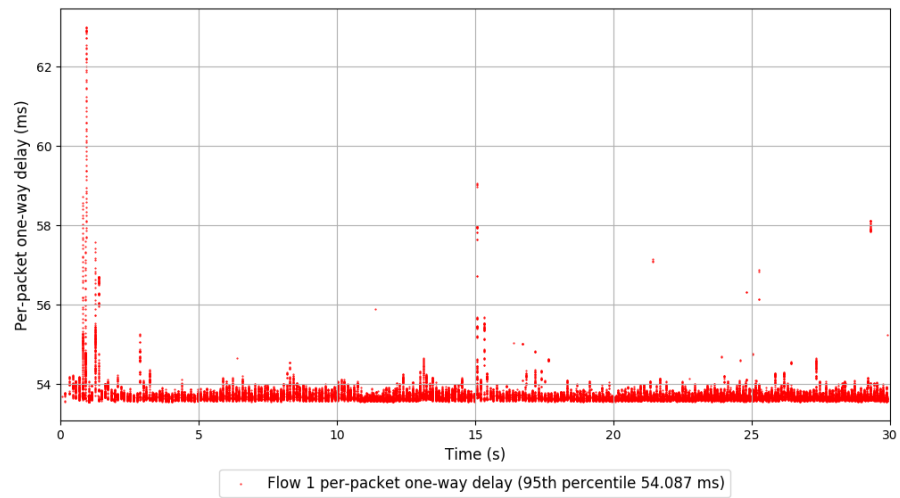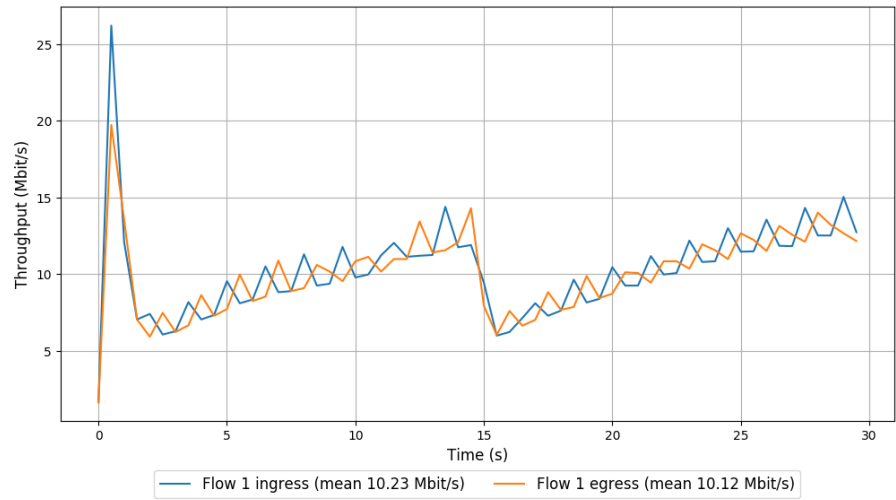
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 10.23 Mbit/s)   Flow 1 egress (mean 10.12 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.087 ms)

```
Run 8: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 12:27:49 +0000
End at: Wed, 05 Jul 2017 12:28:19 +0000
Local clock offset: -0.038 ms
Remote clock offset: -4.241 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 53.451 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 11.50 Mbit/s
95th percentile per-packet one-way delay: 53.451 ms
Loss rate: 1.27%
```
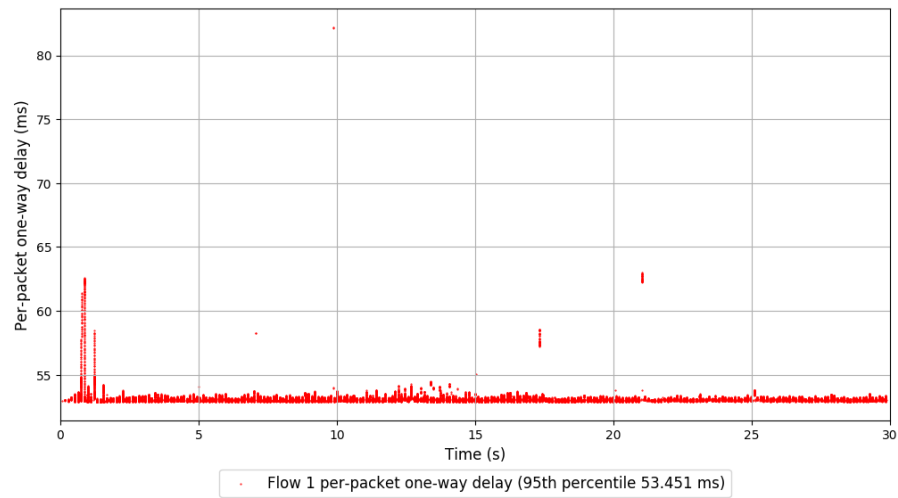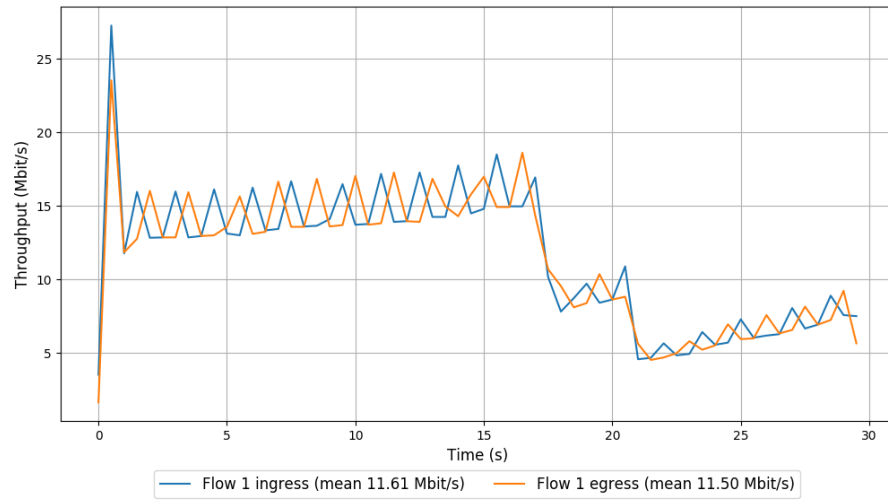
Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 12:45:19 +0000
End at: Wed, 05 Jul 2017 12:45:49 +0000
Local clock offset: 0.04 ms
Remote clock offset: -4.782 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.78 Mbit/s
95th percentile per-packet one-way delay: 53.659 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 10.78 Mbit/s
95th percentile per-packet one-way delay: 53.659 ms
Loss rate: 1.19%
```
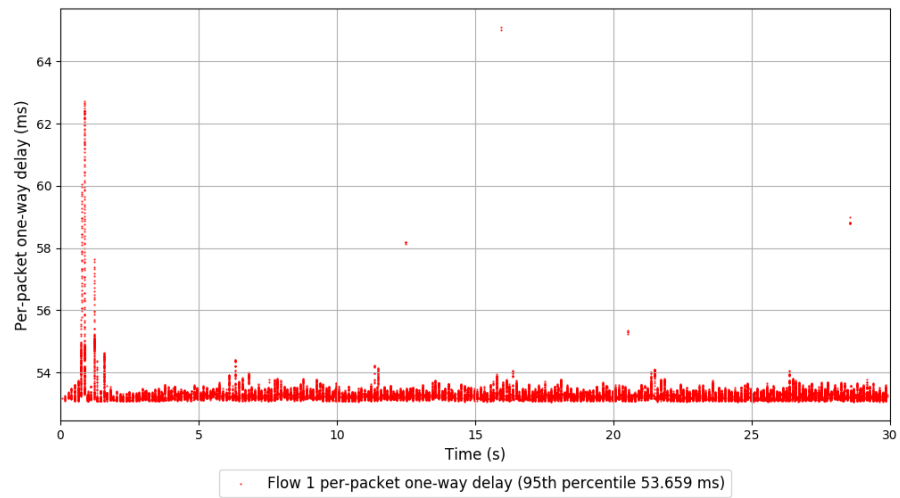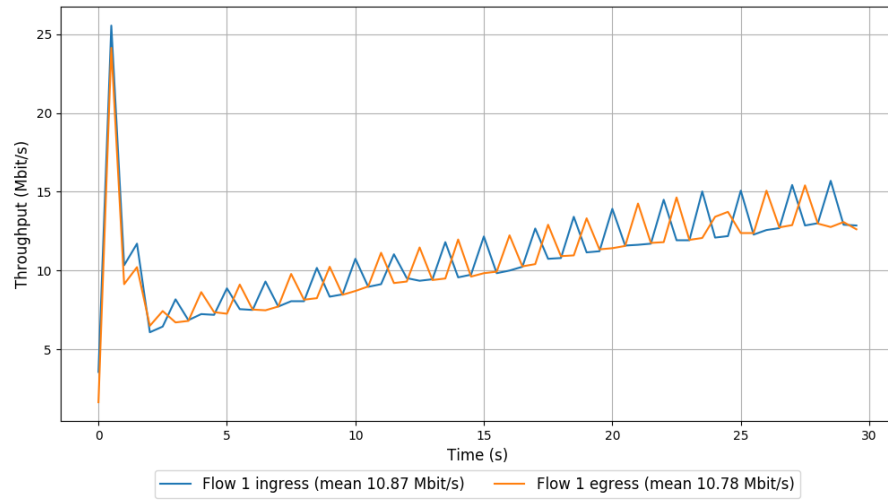
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 10.87 Mbit/s) — Flow 1 egress (mean 10.78 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.659 ms)

```
Run 10: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 13:02:50 +0000
End at: Wed, 05 Jul 2017 13:03:20 +0000
Local clock offset: 0.105 ms
Remote clock offset: -5.516 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.21 Mbit/s
95th percentile per-packet one-way delay: 53.085 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 10.21 Mbit/s
95th percentile per-packet one-way delay: 53.085 ms
Loss rate: 1.23%
```
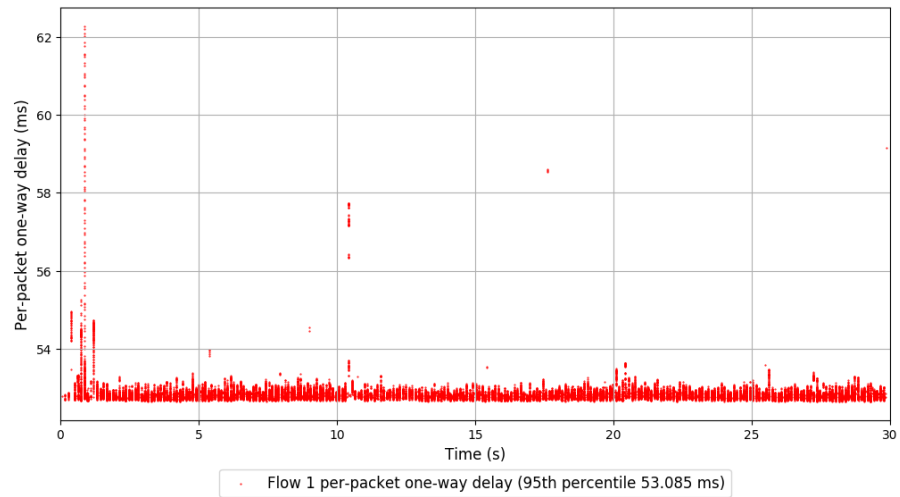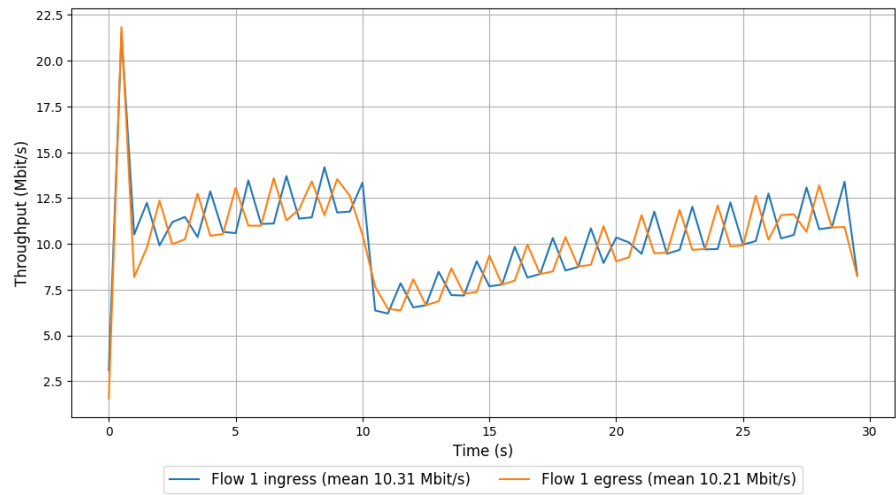
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: Wed, 05 Jul 2017 10:17:12 +0000
End at: Wed, 05 Jul 2017 10:17:42 +0000
Local clock offset: 0.325 ms
Remote clock offset: -3.243 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 74.234 ms
Loss rate: 81.68%
-- Flow 1:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 74.234 ms
Loss rate: 81.68%
```
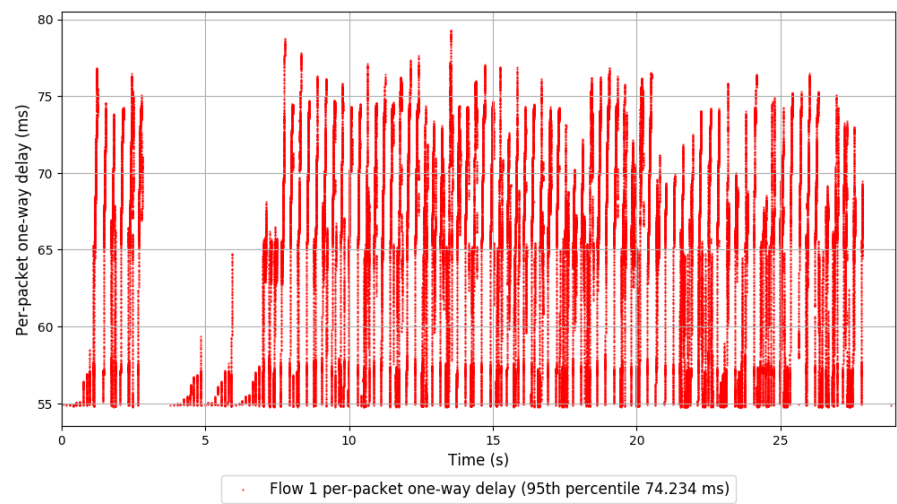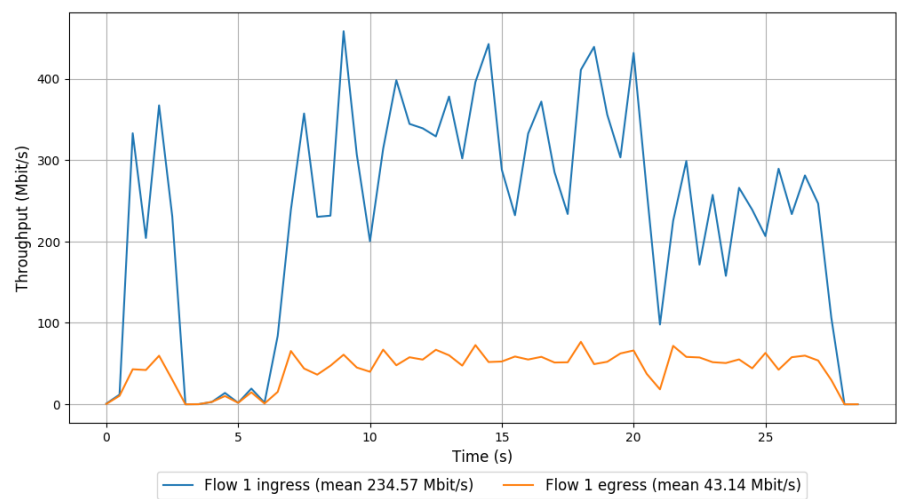
Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 234.57 Mbit/s) — Flow 1 egress (mean 43.14 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 74.234 ms)

```
Run 2: Statistics of Verus

Start at: Wed, 05 Jul 2017 10:34:52 +0000
End at: Wed, 05 Jul 2017 10:35:22 +0000
Local clock offset: 0.311 ms
Remote clock offset: -3.056 ms
```

Run 2: Report of Verus — Data Link

Figure is missing

Figure is missing

```
Run 3: Statistics of Verus

Start at: Wed, 05 Jul 2017 10:52:00 +0000
End at: Wed, 05 Jul 2017 10:52:30 +0000
Local clock offset: 0.352 ms
Remote clock offset: -3.707 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:42:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.68 Mbit/s
95th percentile per-packet one-way delay: 73.359 ms
Loss rate: 78.52%
-- Flow 1:
Average throughput: 42.68 Mbit/s
95th percentile per-packet one-way delay: 73.359 ms
Loss rate: 78.52%
```
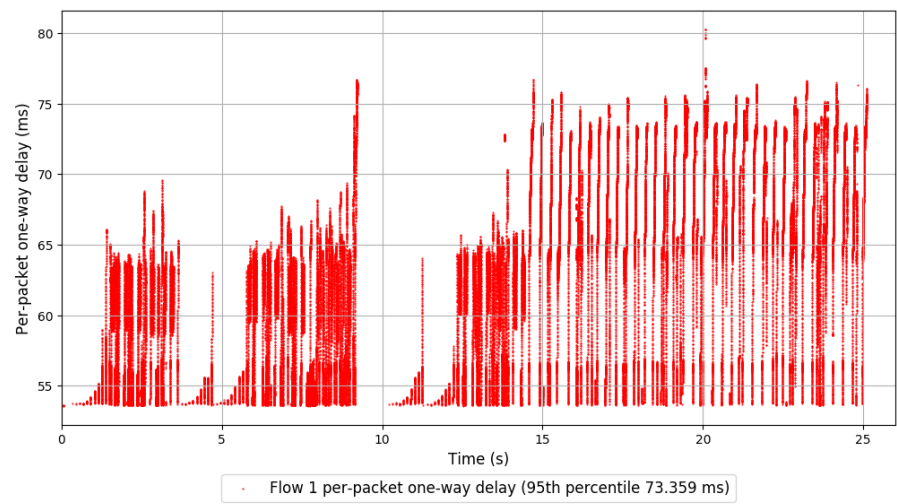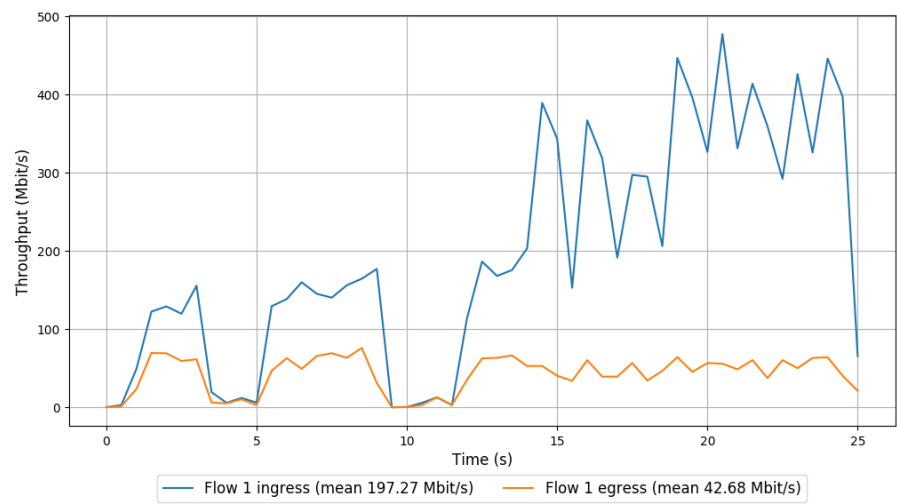
Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 197.27 Mbit/s) — Flow 1 egress (mean 42.68 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 73.359 ms)

```
Run 4: Statistics of Verus

Start at: Wed, 05 Jul 2017 11:09:30 +0000
End at: Wed, 05 Jul 2017 11:10:00 +0000
Local clock offset: 0.204 ms
Remote clock offset: -3.958 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.23 Mbit/s
95th percentile per-packet one-way delay: 74.068 ms
Loss rate: 75.09%
-- Flow 1:
Average throughput: 56.23 Mbit/s
95th percentile per-packet one-way delay: 74.068 ms
Loss rate: 75.09%
```
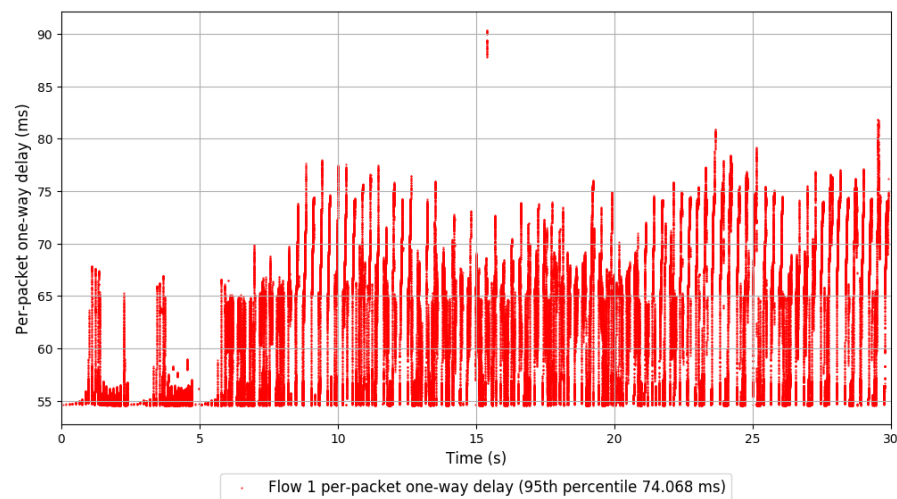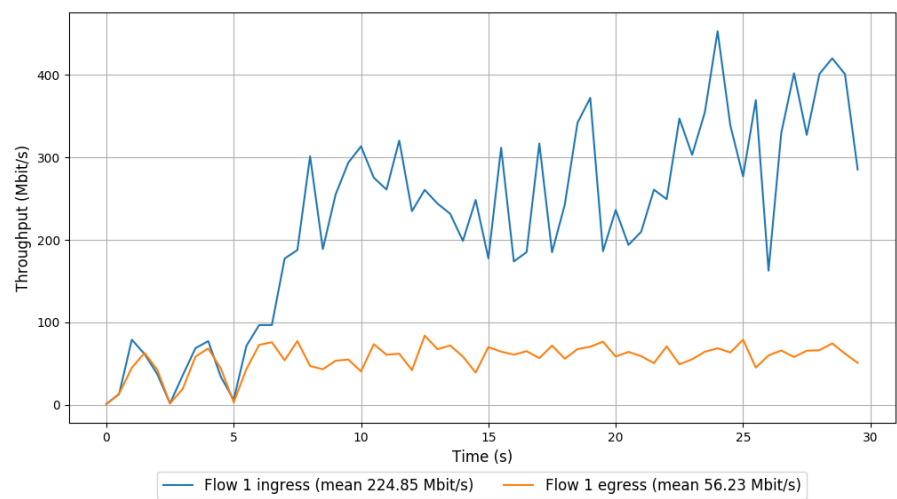
Run 4: Report of Verus — Data Link

Flow 1 ingress (mean 224.85 Mbit/s) — Flow 1 egress (mean 56.23 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 74.068 ms)

```
Run 5: Statistics of Verus

Start at: Wed, 05 Jul 2017 11:26:57 +0000
End at: Wed, 05 Jul 2017 11:27:27 +0000
Local clock offset: 0.293 ms
Remote clock offset: -3.999 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 74.681 ms
Loss rate: 81.87%
-- Flow 1:
Average throughput: 37.65 Mbit/s
95th percentile per-packet one-way delay: 74.681 ms
Loss rate: 81.87%
```
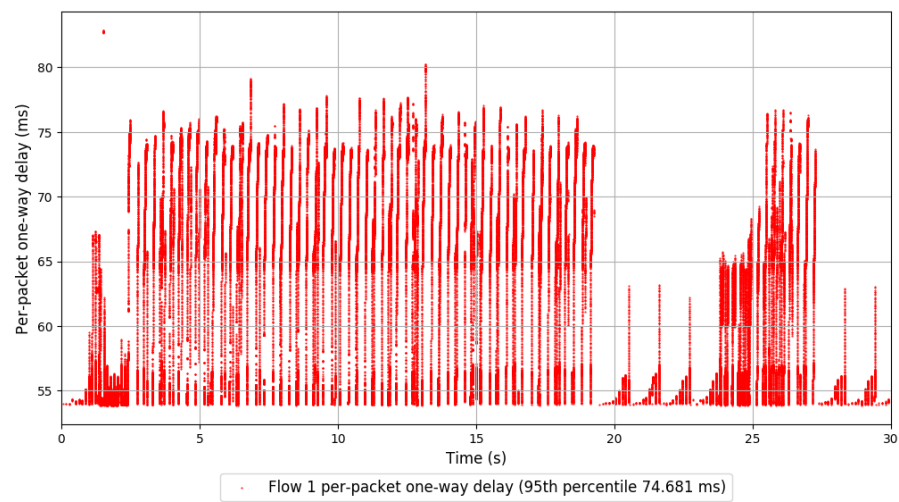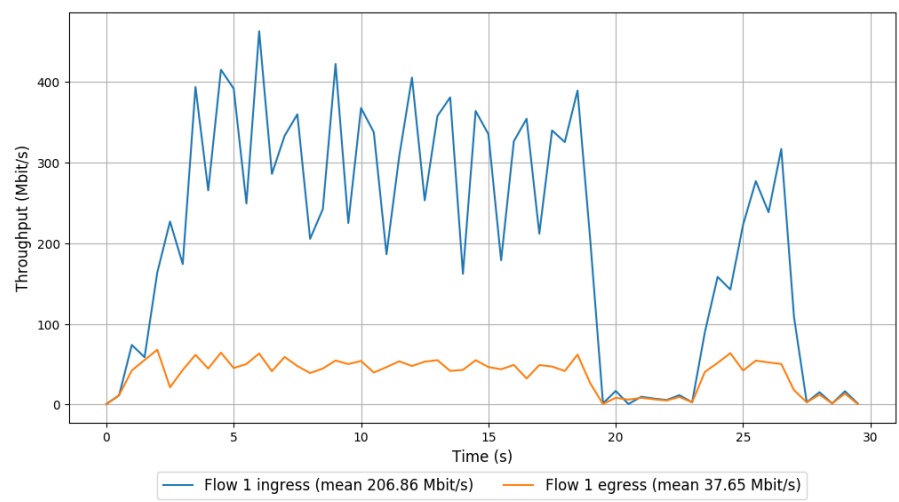
Run 5: Report of Verus — Data Link
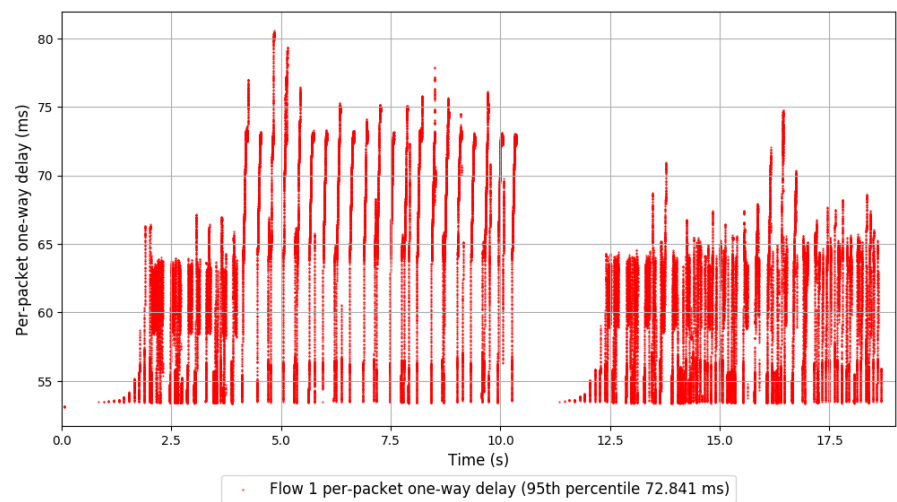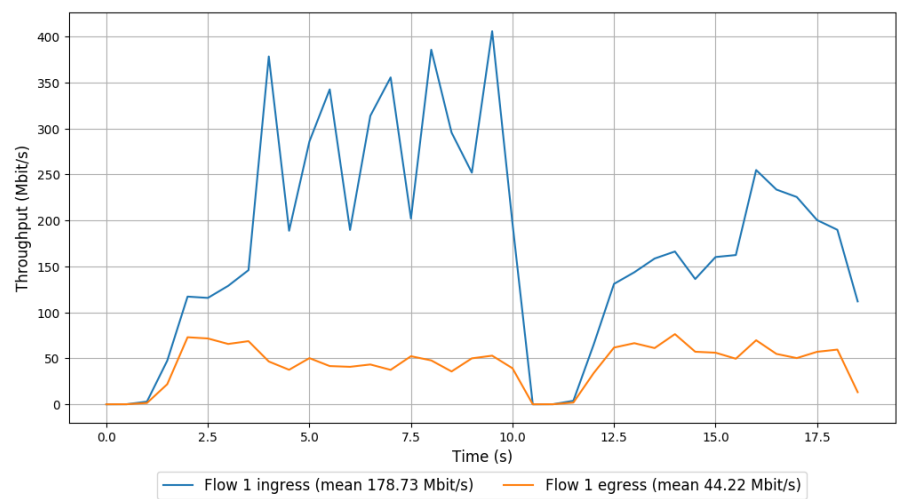
```
Run 6: Statistics of Verus

Start at: Wed, 05 Jul 2017 11:44:28 +0000
End at: Wed, 05 Jul 2017 11:44:58 +0000
Local clock offset: 0.094 ms
Remote clock offset: -3.821 ms
```

Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 178.73 Mbit/s) — Flow 1 egress (mean 44.22 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 72.841 ms)
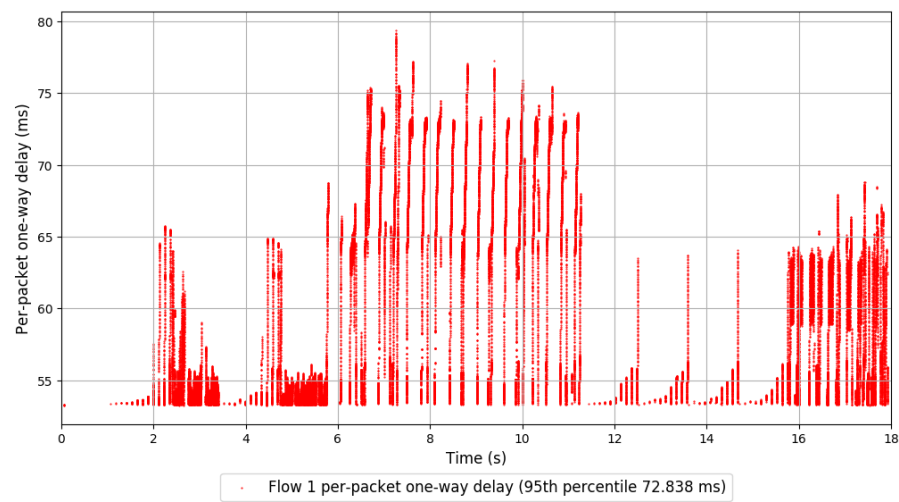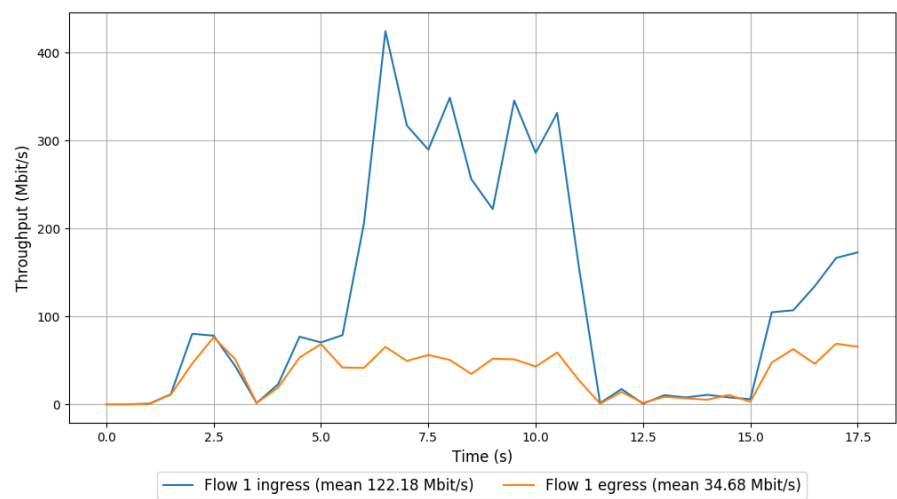
```
Run 7: Statistics of Verus

Start at: Wed, 05 Jul 2017 12:01:56 +0000
End at: Wed, 05 Jul 2017 12:02:26 +0000
Local clock offset: 0.133 ms
Remote clock offset: -4.146 ms
```

Run 7: Report of Verus — Data Link

Flow 1 ingress (mean 122.18 Mbit/s) — Flow 1 egress (mean 34.68 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 72.838 ms)

```
Run 8: Statistics of Verus

Start at: Wed, 05 Jul 2017 12:19:23 +0000
End at: Wed, 05 Jul 2017 12:19:53 +0000
Local clock offset: 0.067 ms
Remote clock offset: -4.167 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.63 Mbit/s
95th percentile per-packet one-way delay: 71.826 ms
Loss rate: 73.51%
-- Flow 1:
Average throughput: 54.63 Mbit/s
95th percentile per-packet one-way delay: 71.826 ms
Loss rate: 73.51%
```
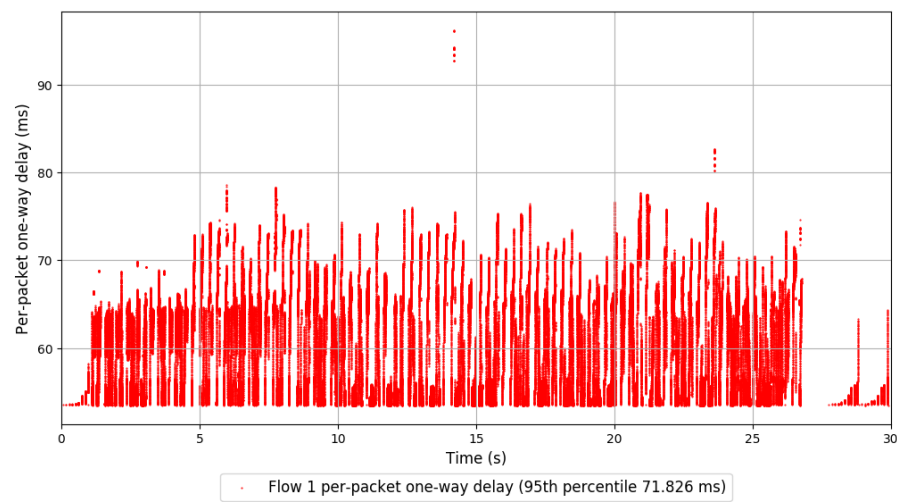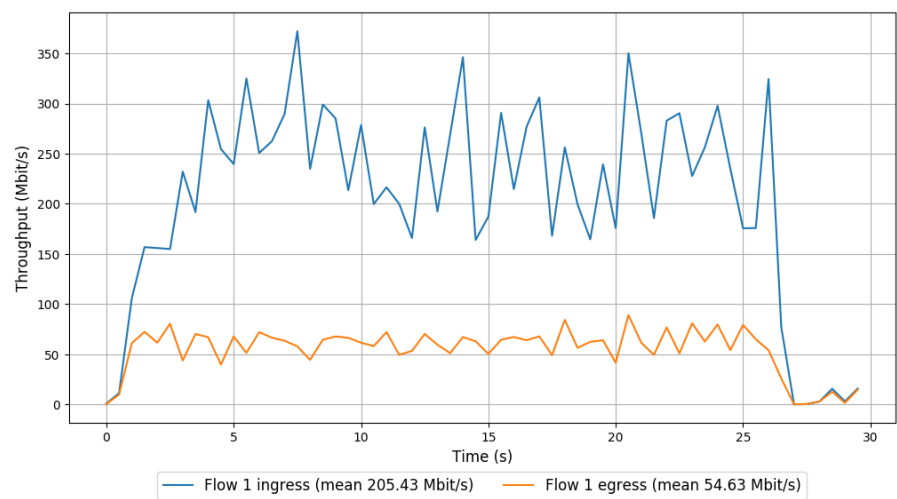
Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 205.43 Mbit/s) —— Flow 1 egress (mean 54.63 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 71.826 ms)

```
Run 9: Statistics of Verus

Start at: Wed, 05 Jul 2017 12:36:57 +0000
End at: Wed, 05 Jul 2017 12:37:27 +0000
Local clock offset: 0.029 ms
Remote clock offset: -4.394 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 73.654 ms
Loss rate: 78.33%
-- Flow 1:
Average throughput: 35.43 Mbit/s
95th percentile per-packet one-way delay: 73.654 ms
Loss rate: 78.33%
```
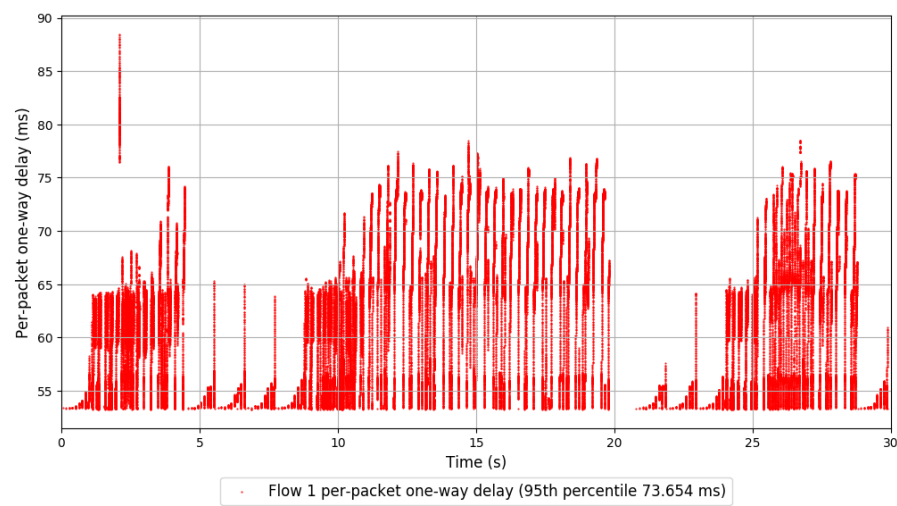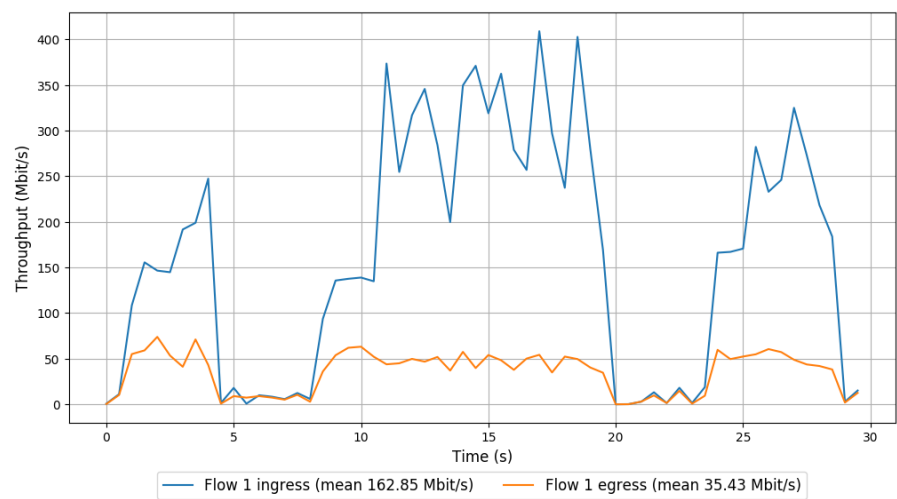
Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 162.85 Mbit/s) — Flow 1 egress (mean 35.43 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 73.654 ms)

```
Run 10: Statistics of Verus

Start at: Wed, 05 Jul 2017 12:54:27 +0000
End at: Wed, 05 Jul 2017 12:54:57 +0000
Local clock offset: 0.164 ms
Remote clock offset: -5.001 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.51 Mbit/s
95th percentile per-packet one-way delay: 68.922 ms
Loss rate: 66.87%
-- Flow 1:
Average throughput: 42.51 Mbit/s
95th percentile per-packet one-way delay: 68.922 ms
Loss rate: 66.87%
```
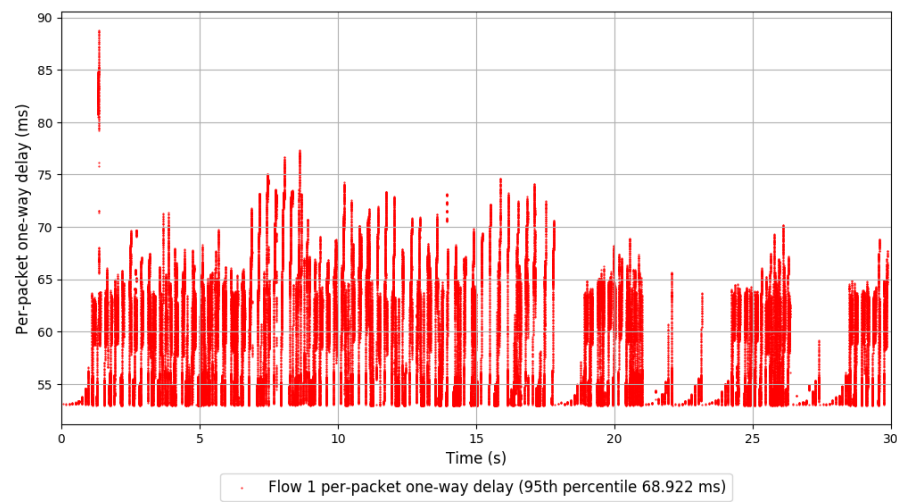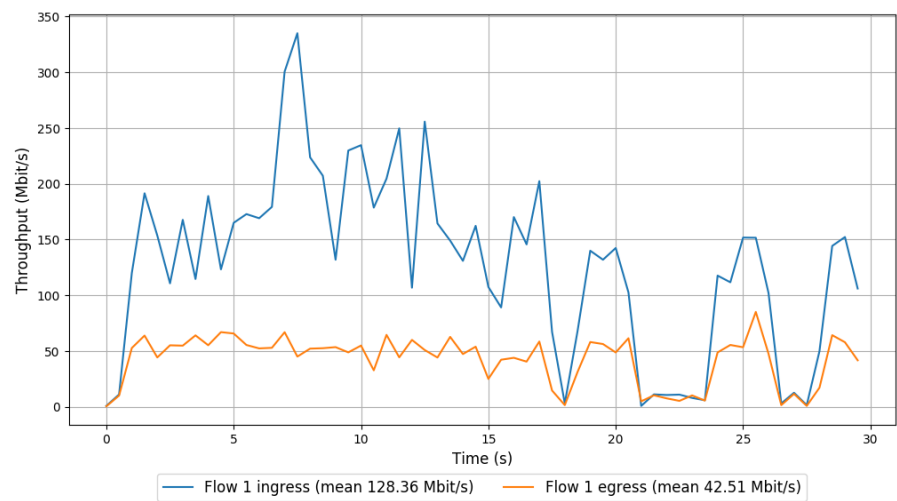
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 10:11:37 +0000
End at: Wed, 05 Jul 2017 10:12:07 +0000
Local clock offset: 0.245 ms
Remote clock offset: -2.904 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 54.883 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 54.883 ms
Loss rate: 0.46%
```
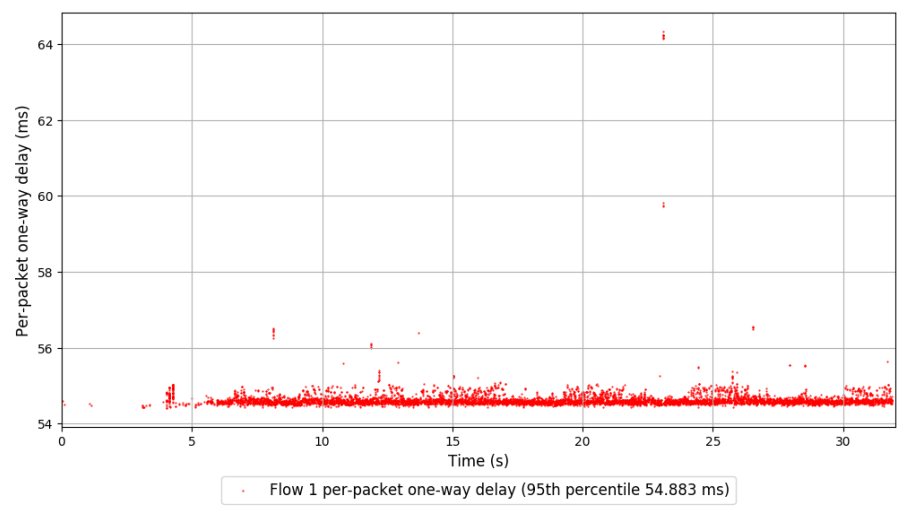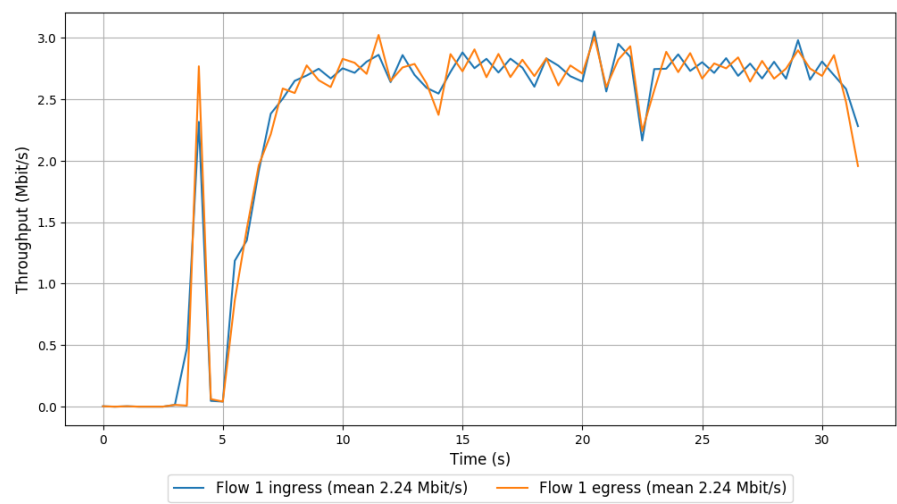
Run 1: Report of WebRTC media — Data Link
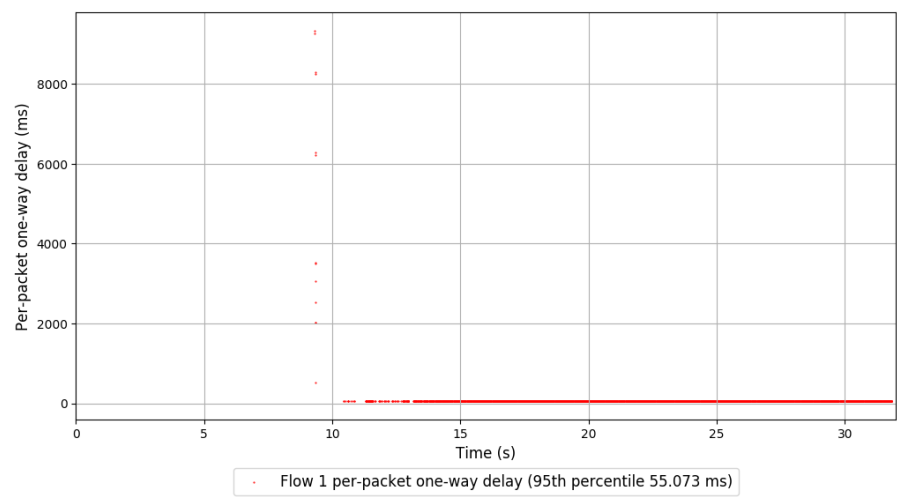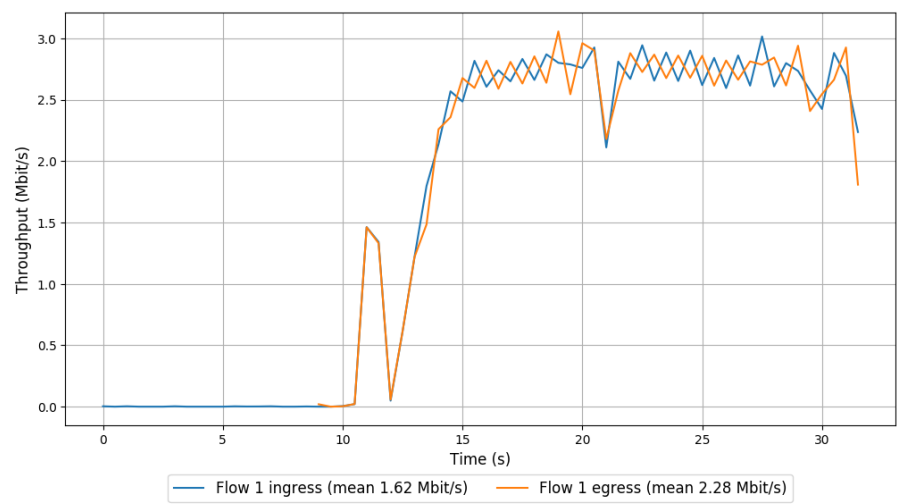
```
Run 2: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 10:29:16 +0000
End at: Wed, 05 Jul 2017 10:29:46 +0000
Local clock offset: 0.32 ms
Remote clock offset: -2.793 ms
```

Run 2: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.62 Mbit/s) — Flow 1 egress (mean 2.28 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 55.073 ms)

```
Run 3: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 10:46:27 +0000
End at: Wed, 05 Jul 2017 10:46:57 +0000
Local clock offset: 0.294 ms
Remote clock offset: -3.41 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 54.544 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 54.544 ms
Loss rate: 0.46%
```
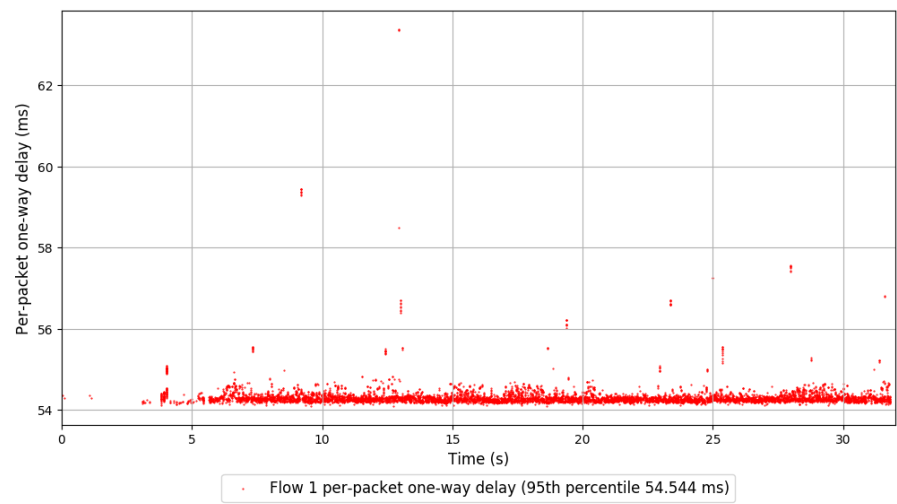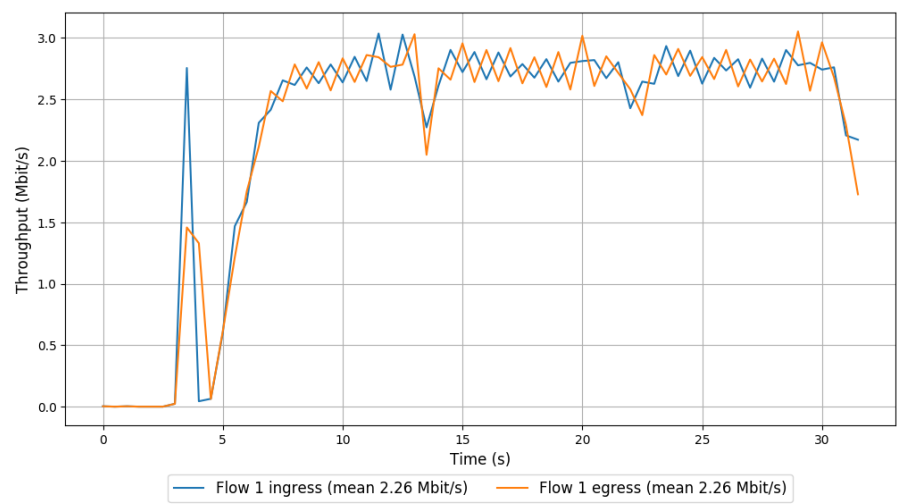
Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.26 Mbit/s)   Flow 1 egress (mean 2.26 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.544 ms)
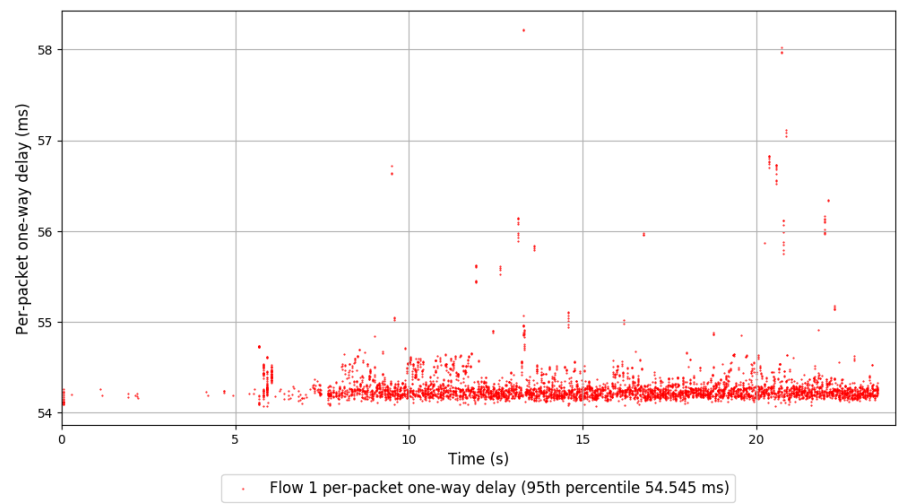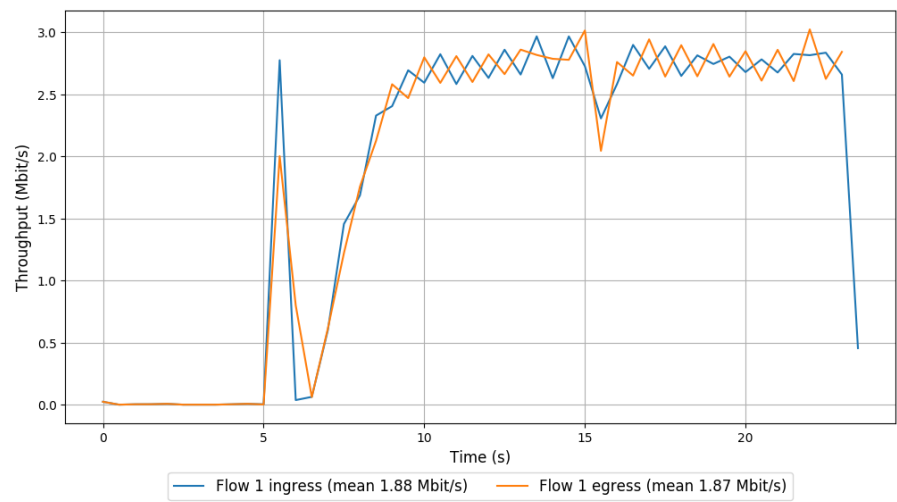
Run 4: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 11:03:56 +0000
End at: Wed, 05 Jul 2017 11:04:26 +0000
Local clock offset: 0.253 ms
Remote clock offset: -3.356 ms

Run 4: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.88 Mbit/s)   Flow 1 egress (mean 1.87 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.545 ms)

```
Run 5: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 11:21:24 +0000
End at: Wed, 05 Jul 2017 11:21:54 +0000
Local clock offset: 0.313 ms
Remote clock offset: -3.854 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 54.245 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 54.245 ms
Loss rate: 0.31%
```
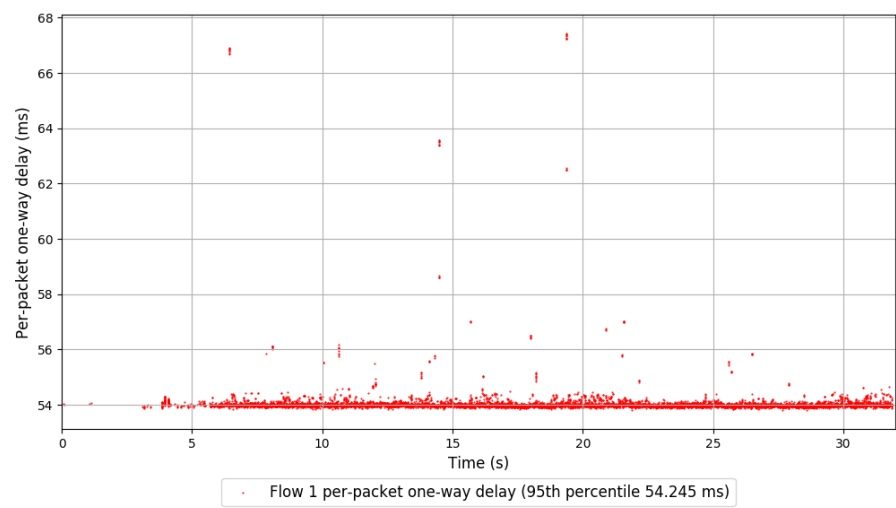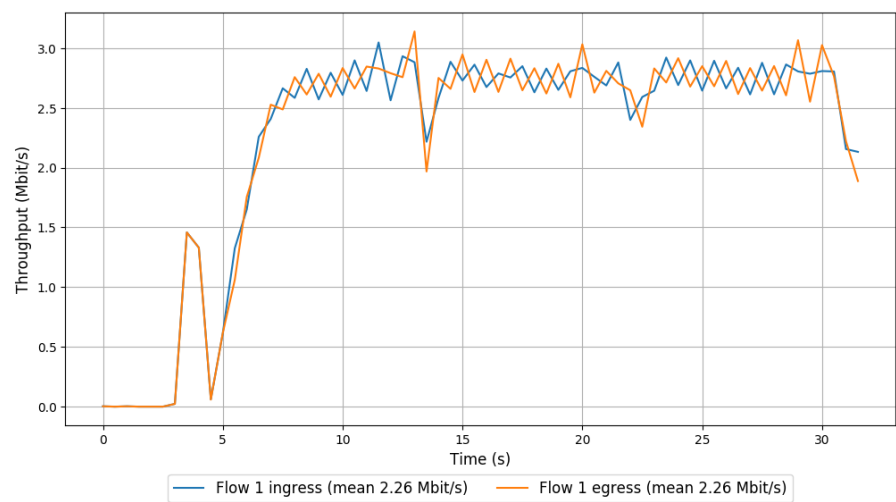
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 11:38:56 +0000
End at: Wed, 05 Jul 2017 11:39:26 +0000
Local clock offset: 0.162 ms
Remote clock offset: -3.709 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 54.023 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 1.59 Mbit/s
95th percentile per-packet one-way delay: 54.023 ms
Loss rate: 0.67%
```

Run 6: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.60 Mbit/s)   Flow 1 egress (mean 1.59 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.023 ms)

```
Run 7: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 11:56:22 +0000
End at: Wed, 05 Jul 2017 11:56:52 +0000
Local clock offset: 0.105 ms
Remote clock offset: -3.89 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 54.297 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 54.297 ms
Loss rate: 0.34%
```
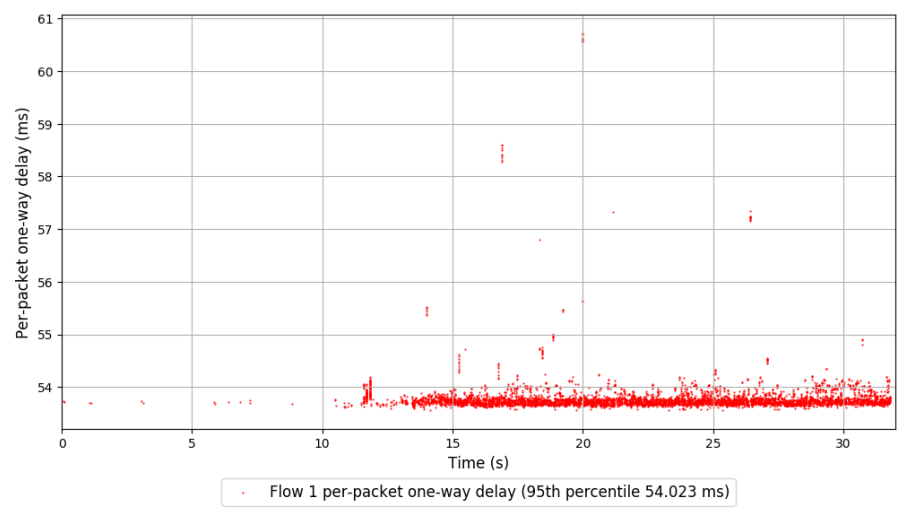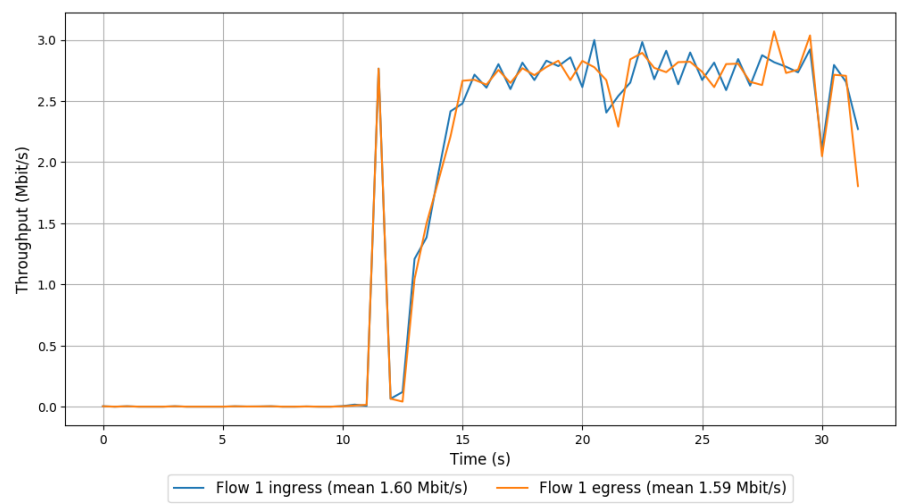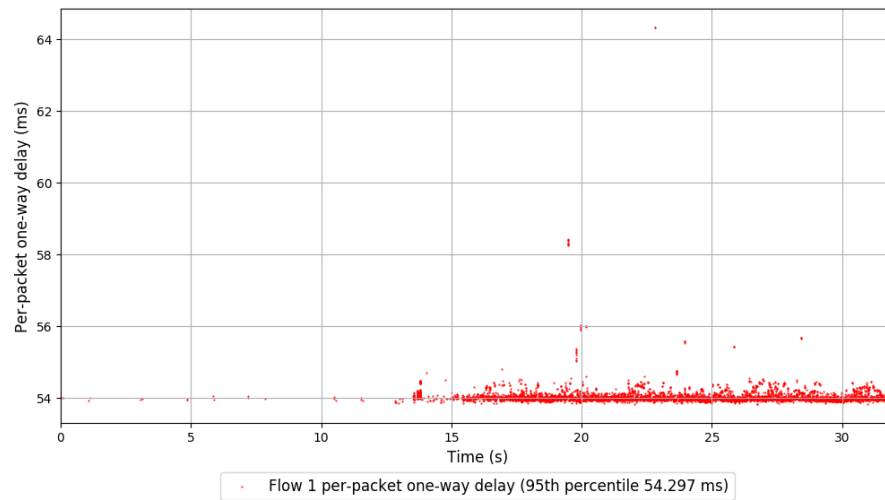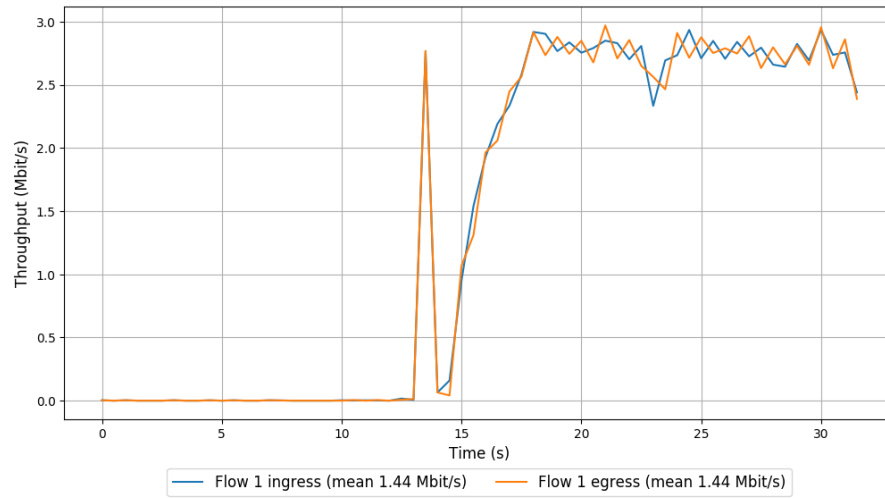
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 12:13:49 +0000
End at: Wed, 05 Jul 2017 12:14:19 +0000
Local clock offset: 0.04 ms
Remote clock offset: -4.179 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 53.428 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 53.428 ms
Loss rate: 0.47%
```
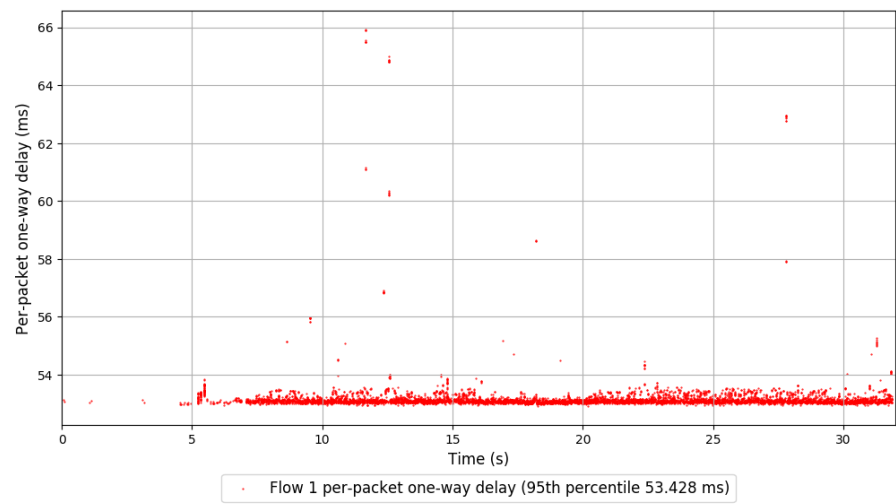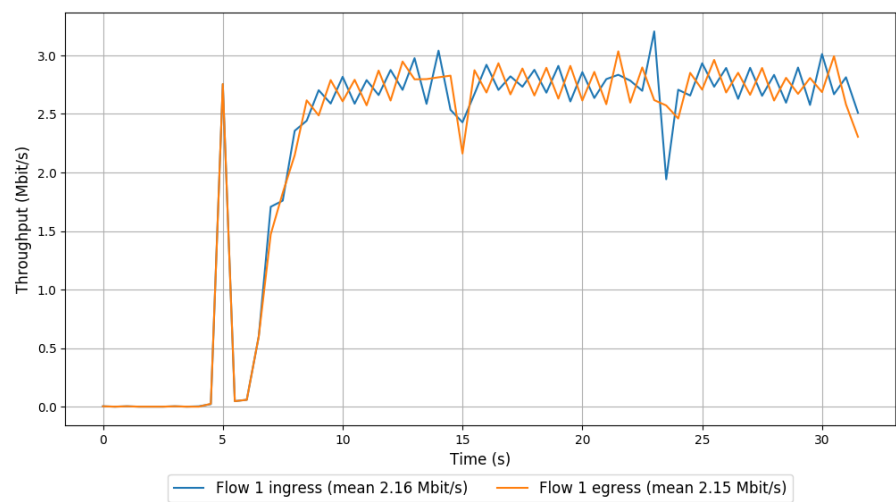
Run 8: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.16 Mbit/s)   Flow 1 egress (mean 2.15 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.428 ms)

```
Run 9: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 12:31:23 +0000
End at: Wed, 05 Jul 2017 12:31:53 +0000
Local clock offset: 0.159 ms
Remote clock offset: -4.375 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 53.625 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 53.625 ms
Loss rate: 0.44%
```
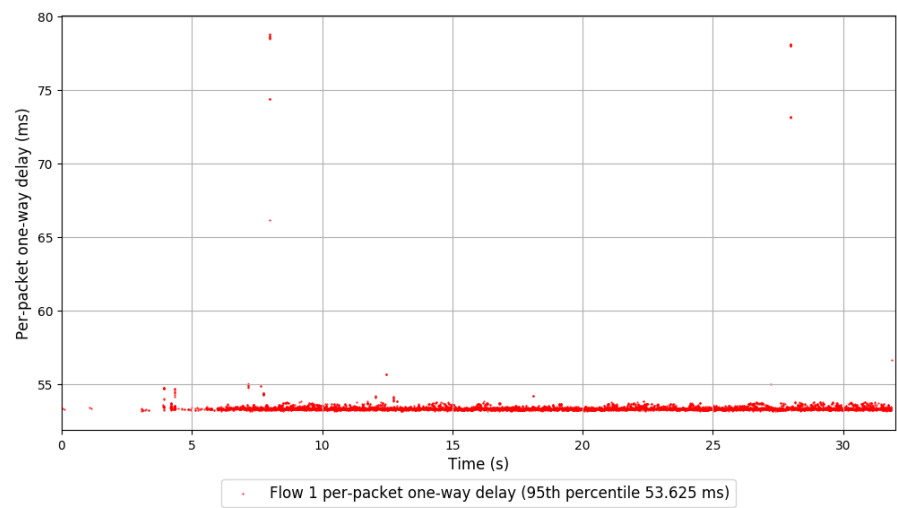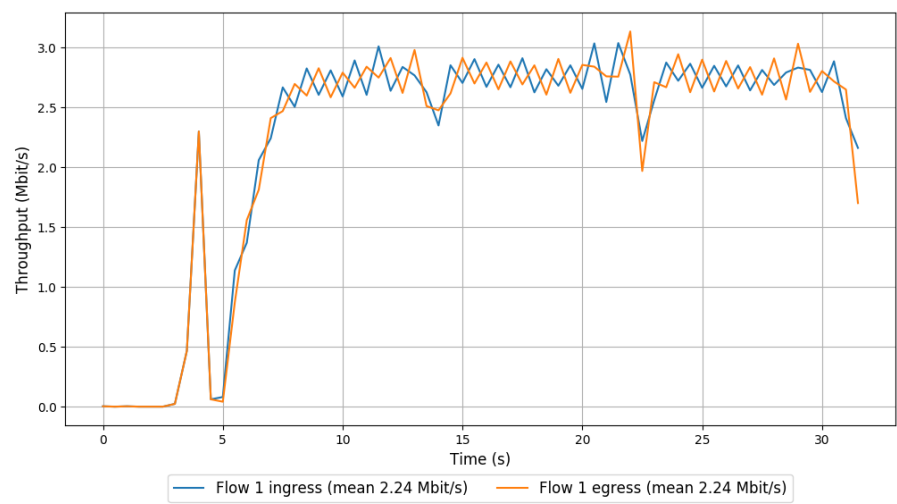
Run 9: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.24 Mbit/s) — Flow 1 egress (mean 2.24 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.625 ms)

```
Run 10: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 12:48:54 +0000
End at: Wed, 05 Jul 2017 12:49:24 +0000
Local clock offset: 0.119 ms
Remote clock offset: -4.847 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 13:43:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 53.859 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 53.859 ms
Loss rate: 0.46%
```

Run 10: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.26 Mbit/s) ——— Flow 1 egress (mean 2.26 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 53.859 ms)