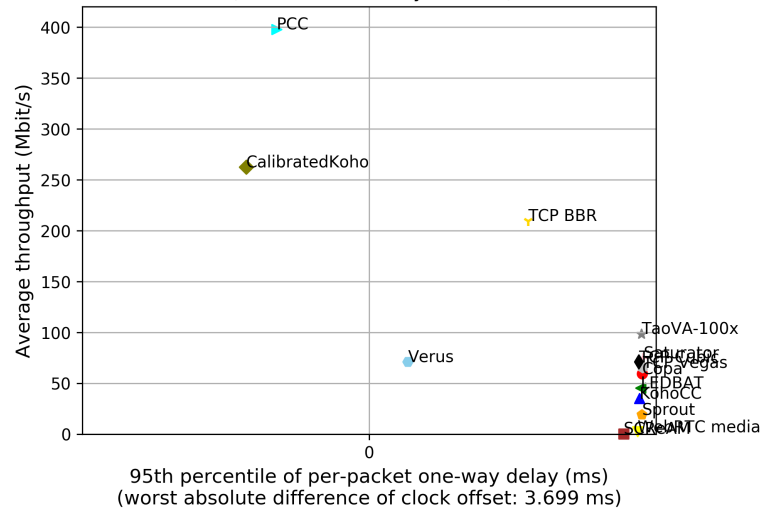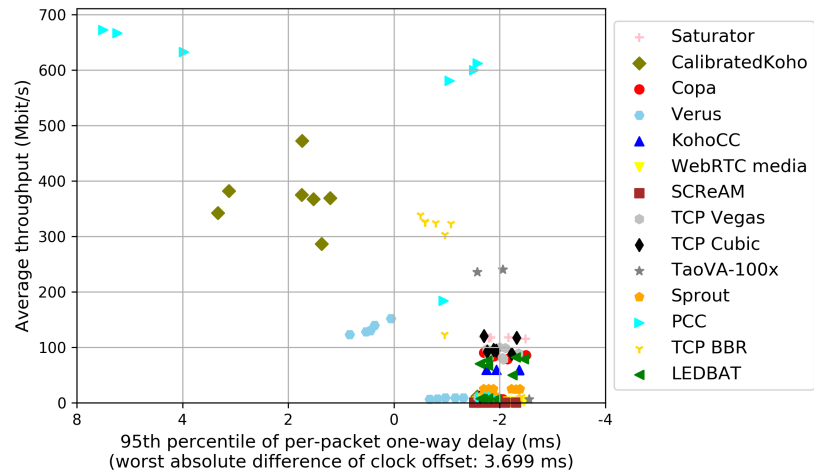**Pantheon Summary** (Generated at Wed, 05 Jul 2017 16:39:56 +0000 with pantheon version `767a95bcc95d67bd77e69c0f8bc9320c1ad3146b`)

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

Data path **from** Stanford Ethernet **to** AWS California 1 Ethernet.

NTP offset measured against time.stanford.edu.

```
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
```
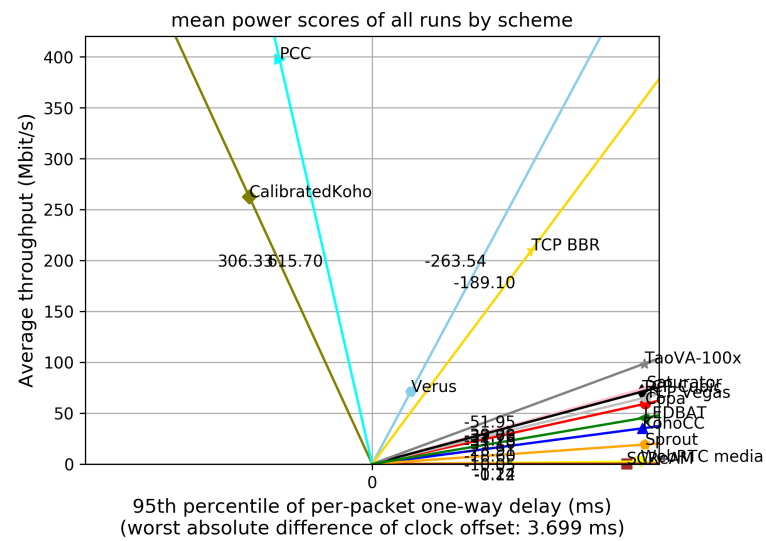
1

test from Stanford Ethernet to AWS California 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

test from Stanford Ethernet to AWS California 1 Ethernet, 10 runs of 30s each per scheme

test from Stanford Ethernet to AWS California 1 Ethernet, 10 runs of 30s each per scheme

mean power scores of all runs by scheme

Average throughput (Mbit/s)

95th percentile of per-packet one-way delay (ms)
(worst absolute difference of clock offset: 3.699 ms)

```
Run 1: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 10:47:20 +0000
End at: Wed, 05 Jul 2017 10:47:50 +0000
Local clock offset: 0.237 ms
Remote clock offset: -2.703 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:37:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 325.45 Mbit/s
95th percentile per-packet one-way delay: -0.589 ms
Loss rate: 10.38%
-- Flow 1:
Average throughput: 325.45 Mbit/s
95th percentile per-packet one-way delay: -0.589 ms
Loss rate: 10.38%
```
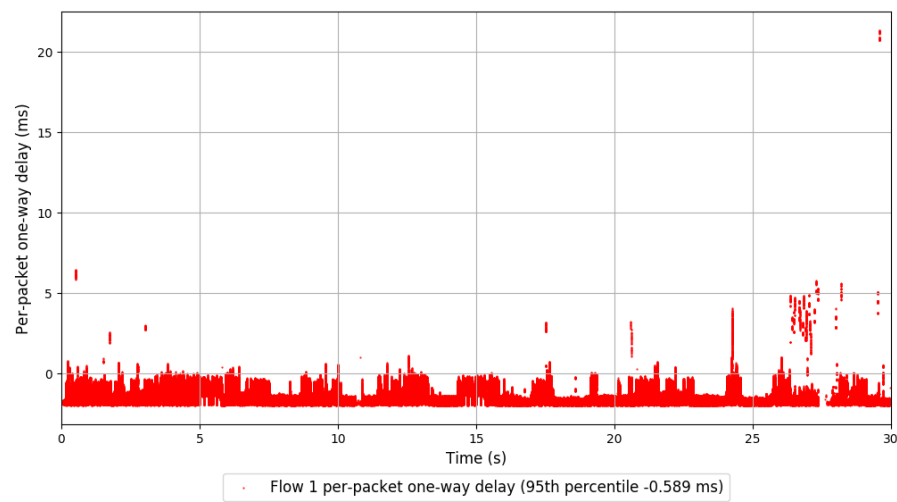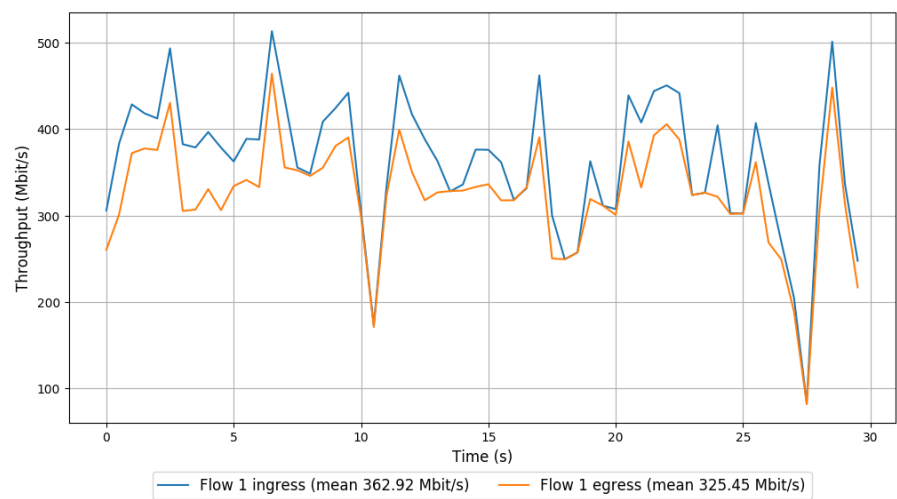
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 11:06:38 +0000
End at: Wed, 05 Jul 2017 11:07:08 +0000
Local clock offset: 0.246 ms
Remote clock offset: -2.825 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:37:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.90 Mbit/s
95th percentile per-packet one-way delay: -1.646 ms
Loss rate: 11.72%
-- Flow 1:
Average throughput: 10.90 Mbit/s
95th percentile per-packet one-way delay: -1.646 ms
Loss rate: 11.72%
```
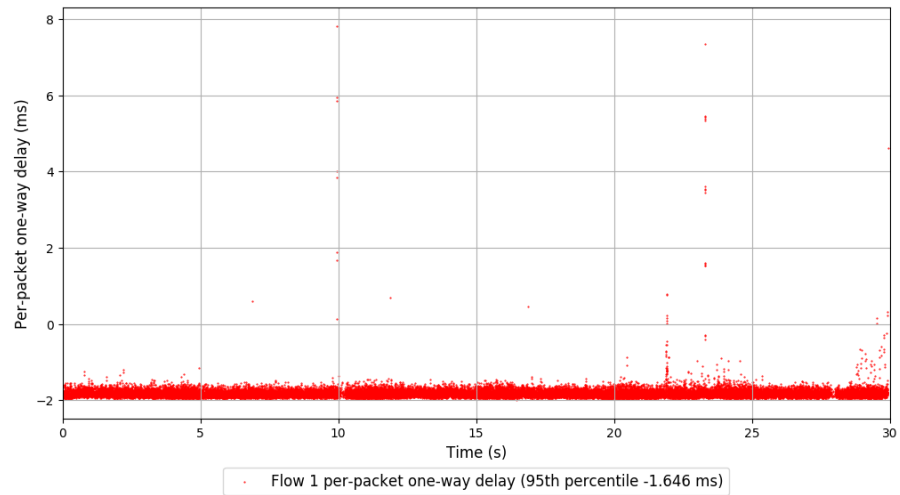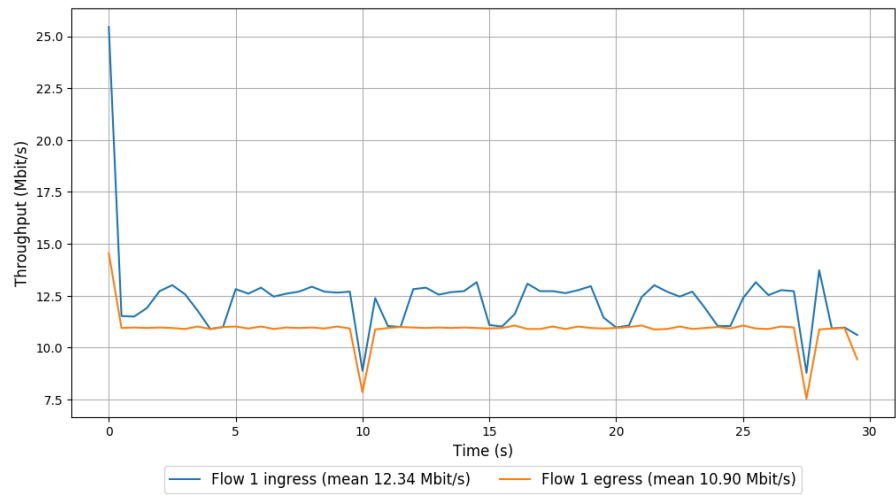
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 12.34 Mbit/s) —— Flow 1 egress (mean 10.90 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile -1.646 ms)

```
Run 3: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 11:24:38 +0000
End at: Wed, 05 Jul 2017 11:25:08 +0000
Local clock offset: 0.208 ms
Remote clock offset: -3.149 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:37:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.90 Mbit/s
95th percentile per-packet one-way delay: -0.957 ms
Loss rate: 8.15%
-- Flow 1:
Average throughput: 122.90 Mbit/s
95th percentile per-packet one-way delay: -0.957 ms
Loss rate: 8.15%
```
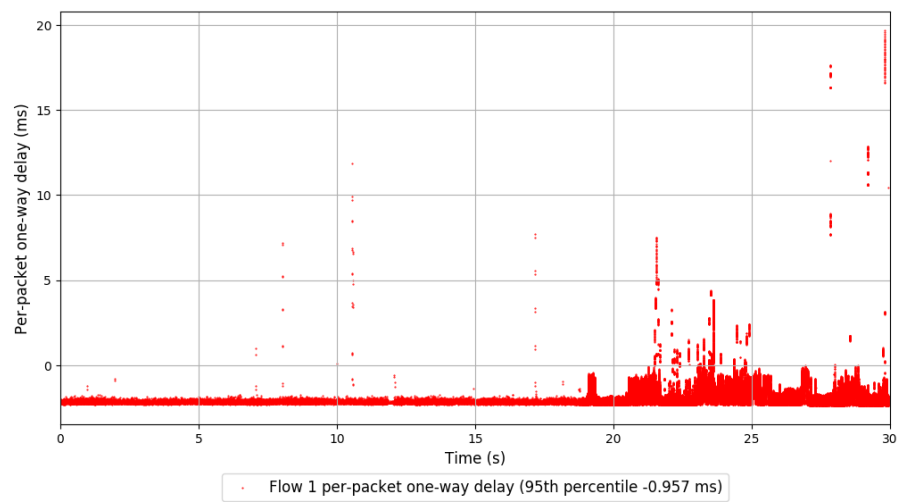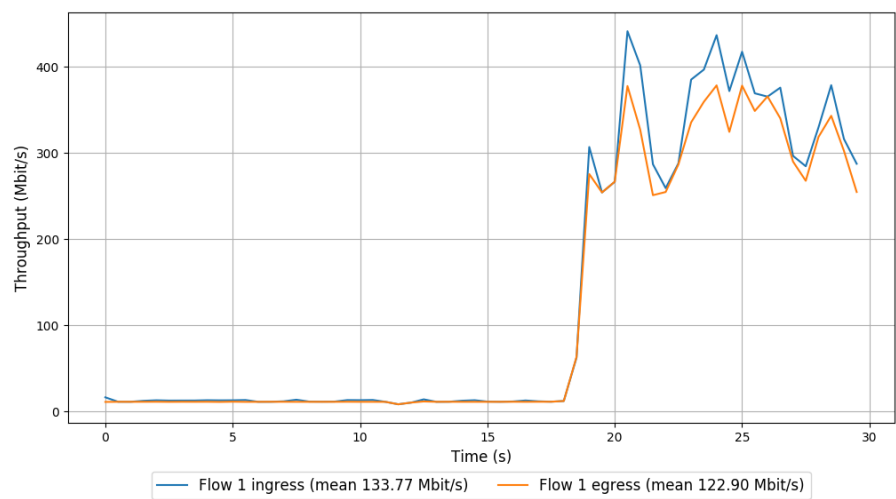
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 133.77 Mbit/s) — Flow 1 egress (mean 122.90 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -0.957 ms)

```
Run 4: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 11:44:16 +0000
End at: Wed, 05 Jul 2017 11:44:46 +0000
Local clock offset: 0.172 ms
Remote clock offset: -2.982 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:38:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 326.92 Mbit/s
95th percentile per-packet one-way delay: -0.584 ms
Loss rate: 10.28%
-- Flow 1:
Average throughput: 326.92 Mbit/s
95th percentile per-packet one-way delay: -0.584 ms
Loss rate: 10.28%
```
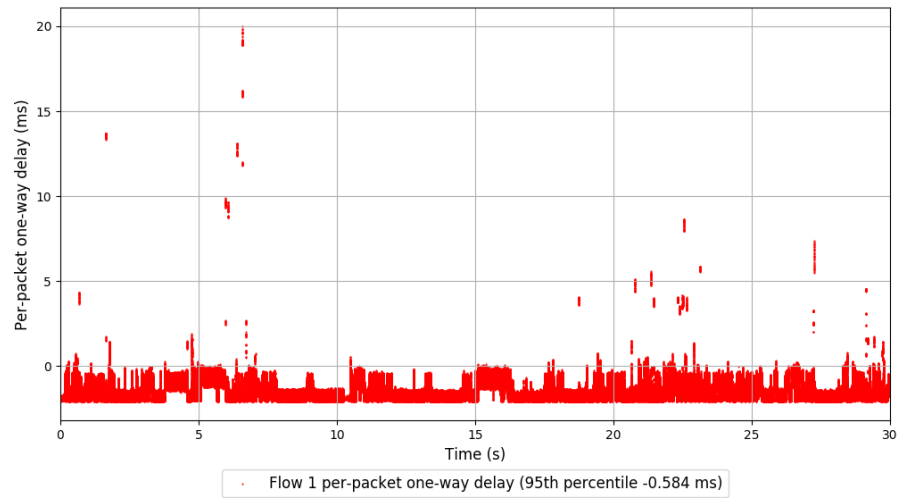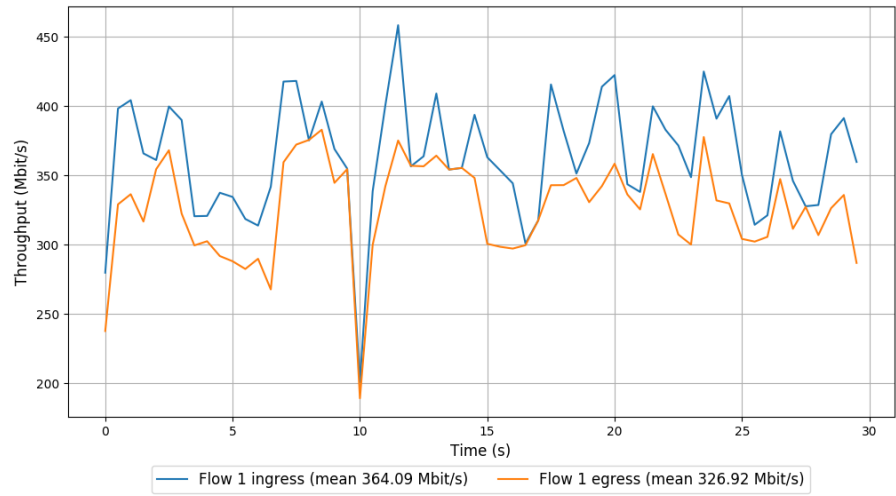
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 364.09 Mbit/s)   Flow 1 egress (mean 326.92 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -0.584 ms)

```
Run 5: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 12:03:33 +0000
End at: Wed, 05 Jul 2017 12:04:03 +0000
Local clock offset: 0.004 ms
Remote clock offset: -2.893 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:40:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 338.20 Mbit/s
95th percentile per-packet one-way delay: -0.499 ms
Loss rate: 9.23%
-- Flow 1:
Average throughput: 338.20 Mbit/s
95th percentile per-packet one-way delay: -0.499 ms
Loss rate: 9.23%
```
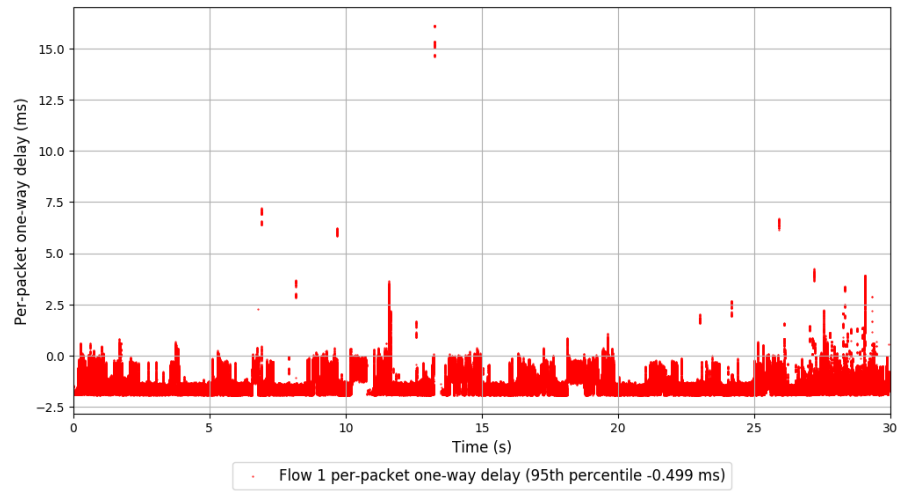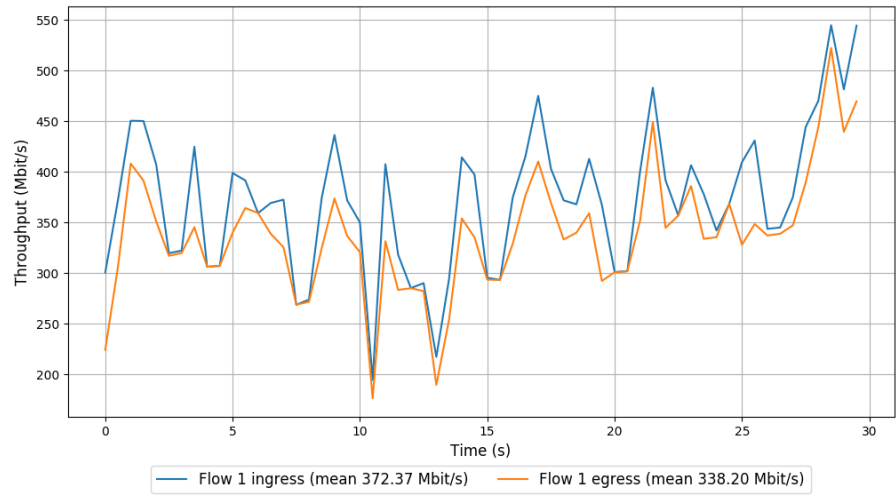
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 372.37 Mbit/s)   Flow 1 egress (mean 338.20 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -0.499 ms)

13

```
Run 6: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 12:22:05 +0000
End at: Wed, 05 Jul 2017 12:22:35 +0000
Local clock offset: 0.164 ms
Remote clock offset: -2.855 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:40:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: -1.675 ms
Loss rate: 9.33%
-- Flow 1:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: -1.675 ms
Loss rate: 9.33%
```
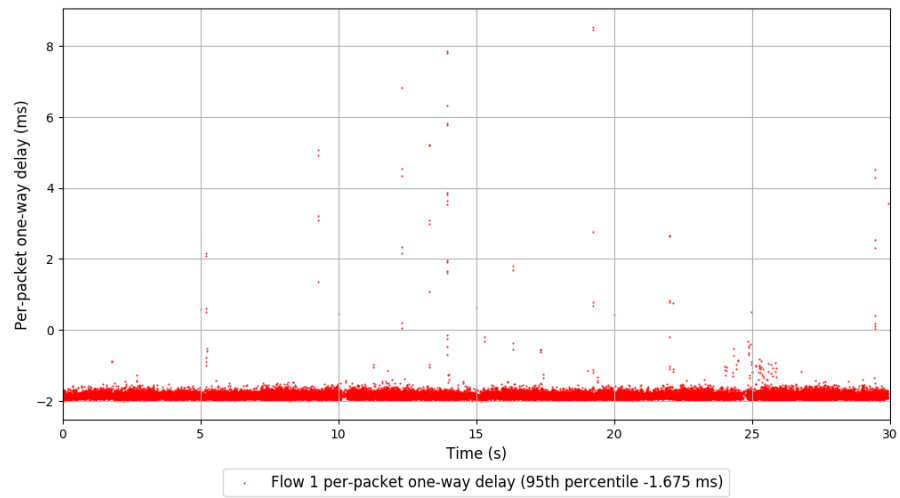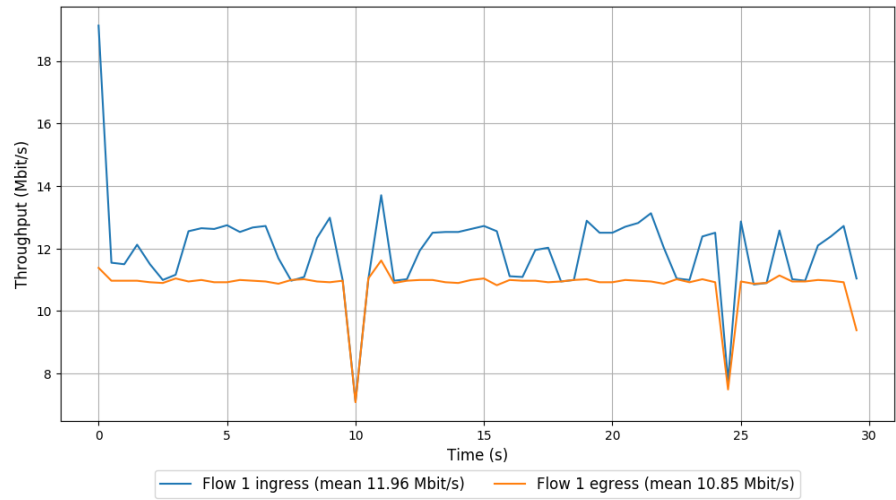
Run 6: Report of TCP BBR — Data Link

```
Run 7: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 12:40:12 +0000
End at: Wed, 05 Jul 2017 12:40:42 +0000
Local clock offset: 0.105 ms
Remote clock offset: -3.002 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:41:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 324.23 Mbit/s
95th percentile per-packet one-way delay: -0.791 ms
Loss rate: 9.45%
-- Flow 1:
Average throughput: 324.23 Mbit/s
95th percentile per-packet one-way delay: -0.791 ms
Loss rate: 9.45%
```
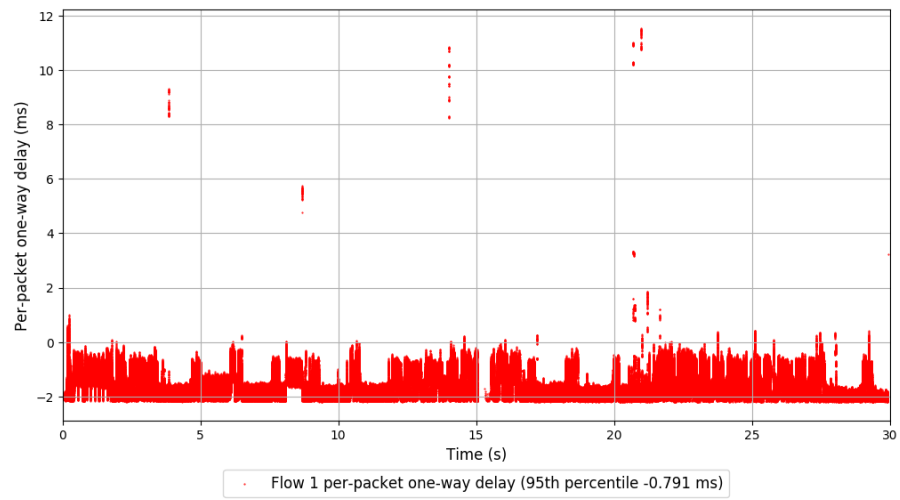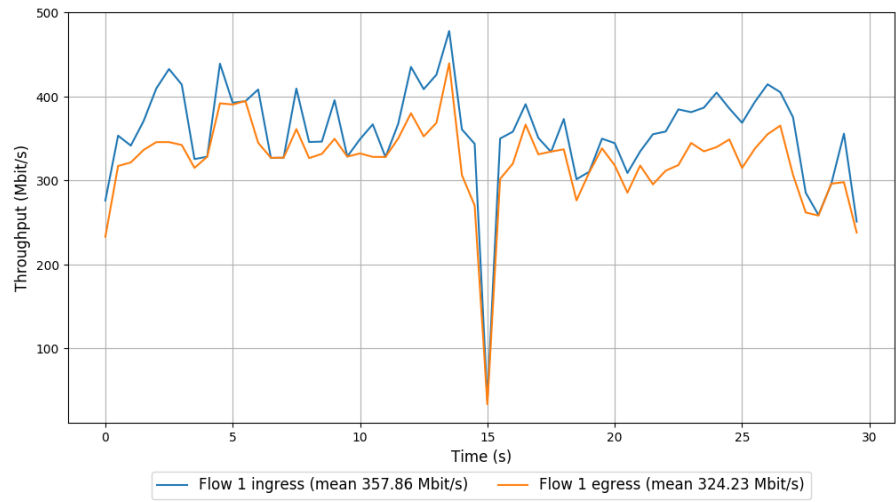
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 357.86 Mbit/s)   Flow 1 egress (mean 324.23 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -0.791 ms)

```
Run 8: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 12:59:37 +0000
End at: Wed, 05 Jul 2017 13:00:07 +0000
Local clock offset: 0.417 ms
Remote clock offset: -3.231 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:42:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 322.94 Mbit/s
95th percentile per-packet one-way delay: -1.077 ms
Loss rate: 11.69%
-- Flow 1:
Average throughput: 322.94 Mbit/s
95th percentile per-packet one-way delay: -1.077 ms
Loss rate: 11.69%
```
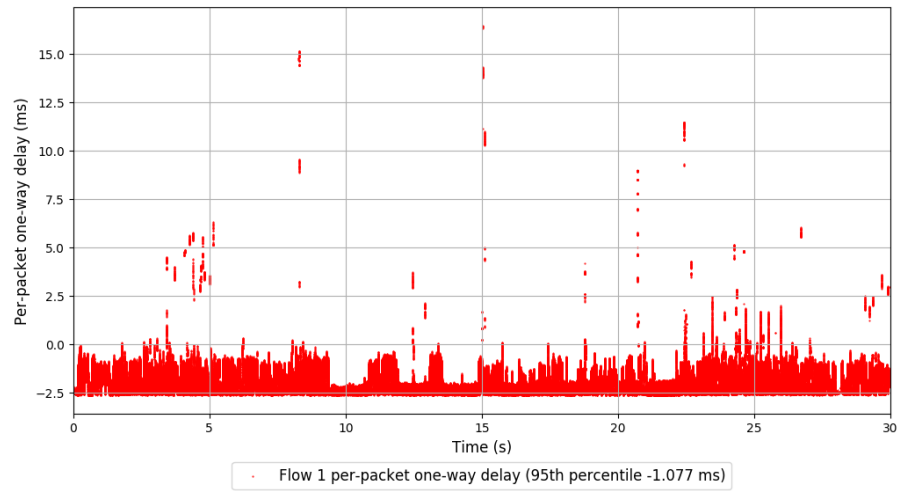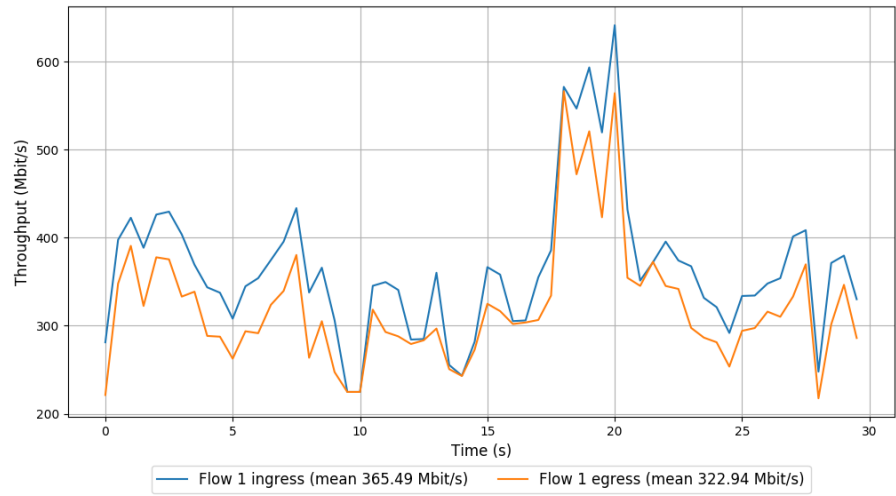
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 365.49 Mbit/s)   Flow 1 egress (mean 322.94 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.077 ms)

```
Run 9: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 13:19:19 +0000
End at: Wed, 05 Jul 2017 13:19:49 +0000
Local clock offset: 0.364 ms
Remote clock offset: -2.89 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:43:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 302.94 Mbit/s
95th percentile per-packet one-way delay: -0.965 ms
Loss rate: 10.18%
-- Flow 1:
Average throughput: 302.94 Mbit/s
95th percentile per-packet one-way delay: -0.965 ms
Loss rate: 10.18%
```
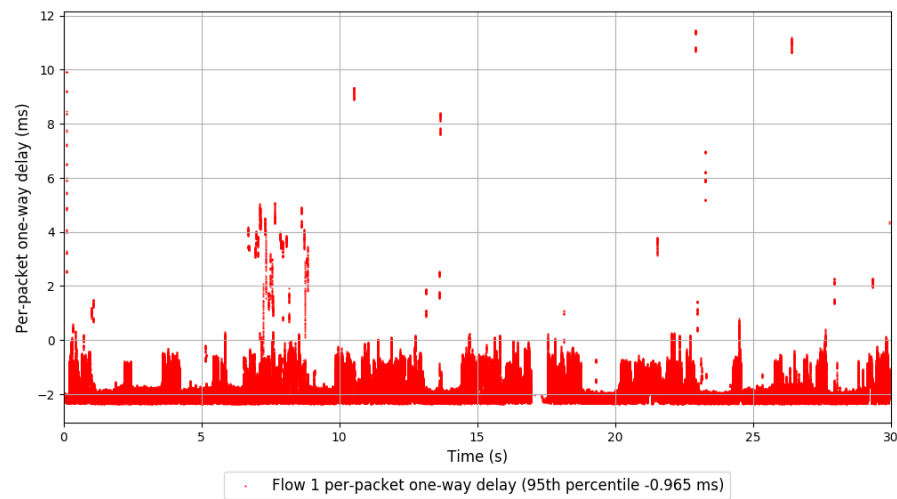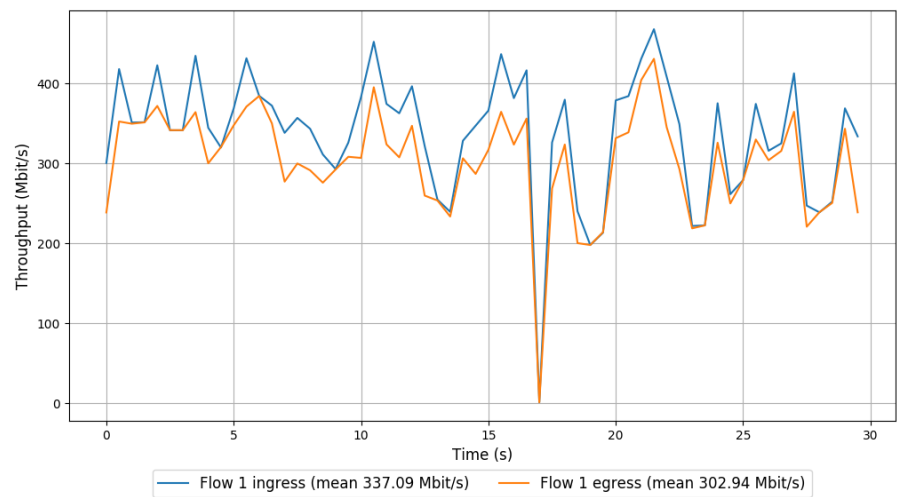
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 337.09 Mbit/s) ——— Flow 1 egress (mean 302.94 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile -0.965 ms)

```
Run 10: Statistics of TCP BBR

Start at: Wed, 05 Jul 2017 13:38:43 +0000
End at: Wed, 05 Jul 2017 13:39:13 +0000
Local clock offset: 0.389 ms
Remote clock offset: -3.221 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:43:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.90 Mbit/s
95th percentile per-packet one-way delay: -2.302 ms
Loss rate: 7.20%
-- Flow 1:
Average throughput: 10.90 Mbit/s
95th percentile per-packet one-way delay: -2.302 ms
Loss rate: 7.20%
```
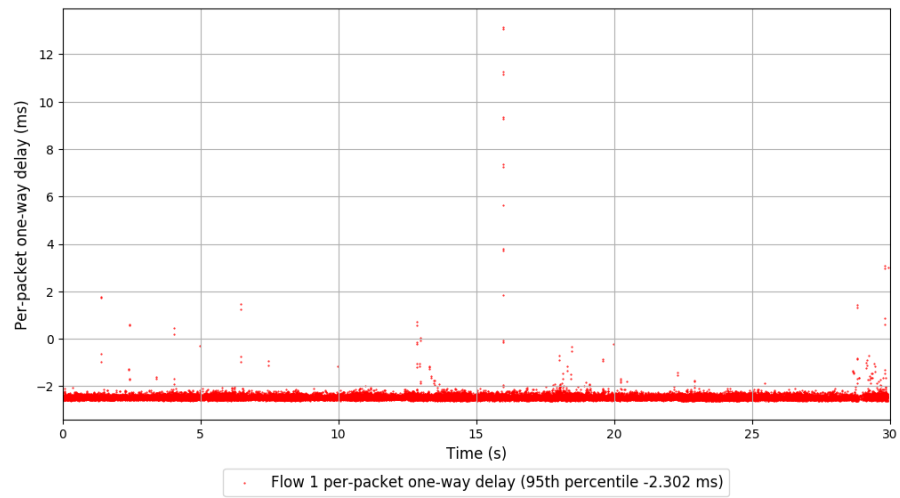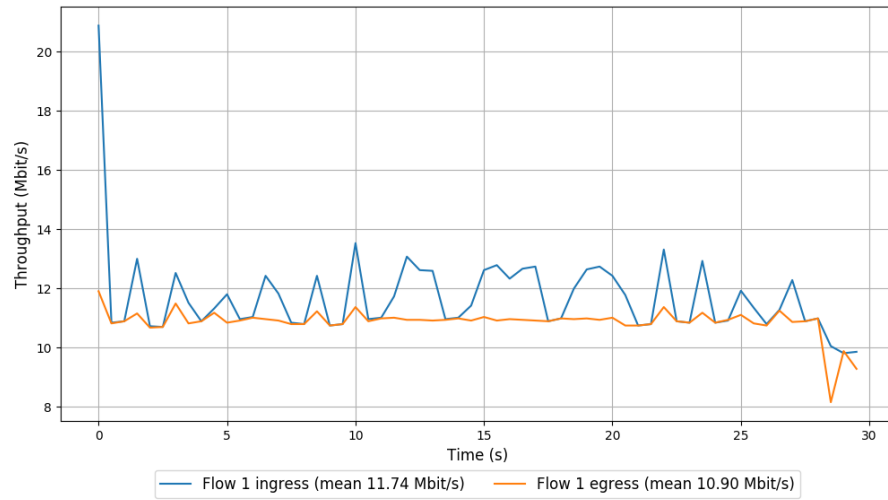
Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 10:33:01 +0000
End at: Wed, 05 Jul 2017 10:33:31 +0000
Local clock offset: 0.492 ms
Remote clock offset: -2.843 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:46:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.78 Mbit/s
95th percentile per-packet one-way delay: 1.524 ms
Loss rate: 58.09%
-- Flow 1:
Average throughput: 366.78 Mbit/s
95th percentile per-packet one-way delay: 1.524 ms
Loss rate: 58.09%
```
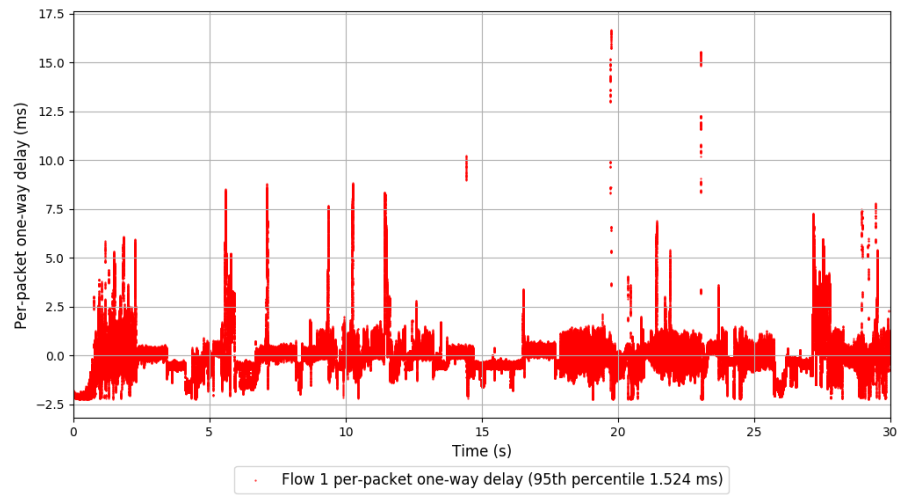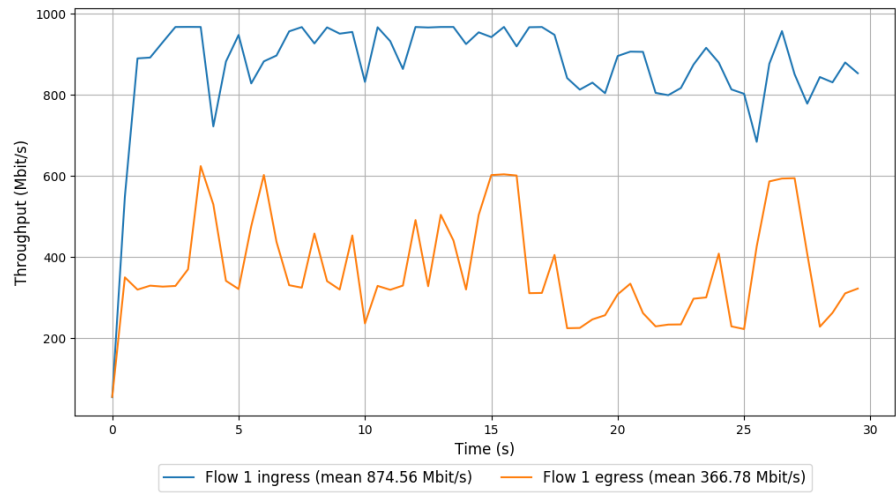
Run 1: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 874.56 Mbit/s)   Flow 1 egress (mean 366.78 Mbit/s)

·   Flow 1 per-packet one-way delay (95th percentile 1.524 ms)

```
Run 2: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 10:52:24 +0000
End at: Wed, 05 Jul 2017 10:52:54 +0000
Local clock offset: 0.249 ms
Remote clock offset: -2.766 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:47:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 472.43 Mbit/s
95th percentile per-packet one-way delay: 1.742 ms
Loss rate: 48.22%
-- Flow 1:
Average throughput: 472.43 Mbit/s
95th percentile per-packet one-way delay: 1.742 ms
Loss rate: 48.22%
```
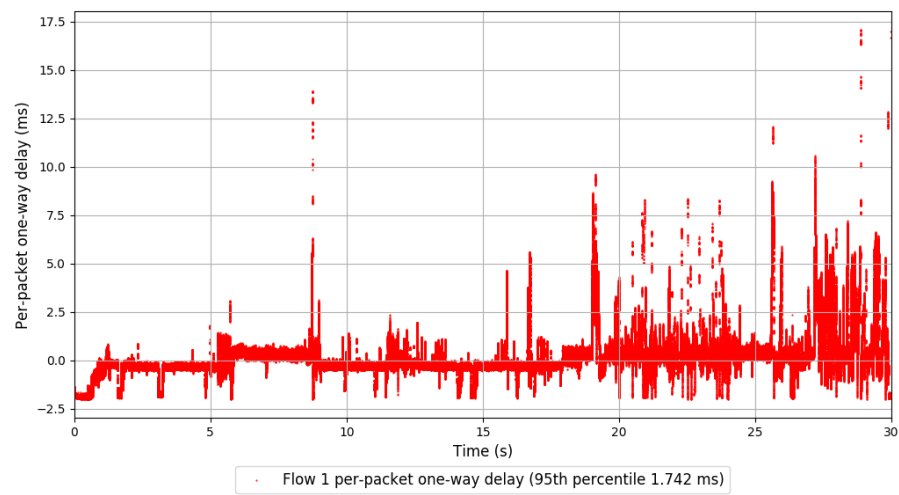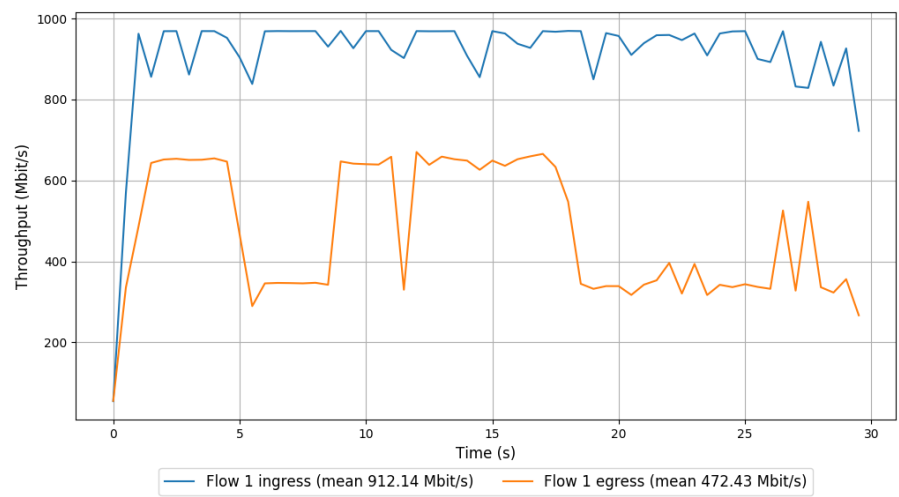
Run 2: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 912.14 Mbit/s) — Flow 1 egress (mean 472.43 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 1.742 ms)

```
Run 3: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 11:11:20 +0000
End at: Wed, 05 Jul 2017 11:11:50 +0000
Local clock offset: 0.14 ms
Remote clock offset: -2.889 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:47:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: -1.808 ms
Loss rate: 71.20%
-- Flow 1:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: -1.808 ms
Loss rate: 71.20%
```
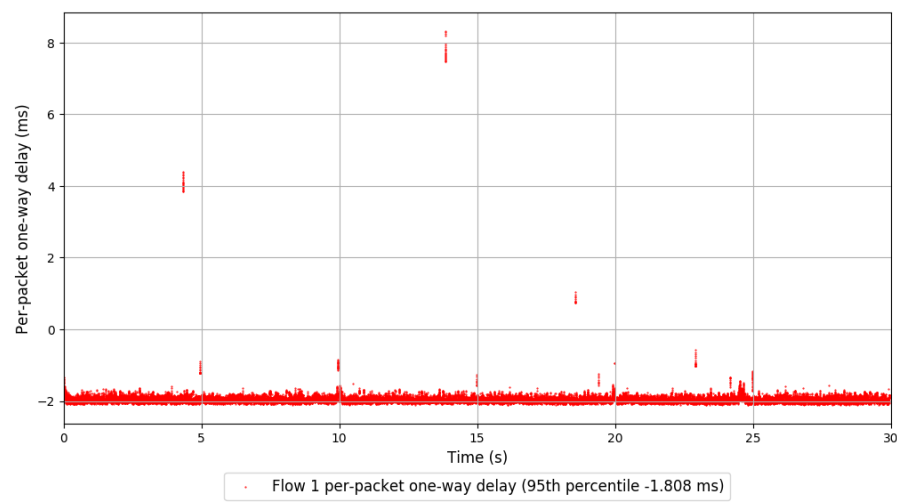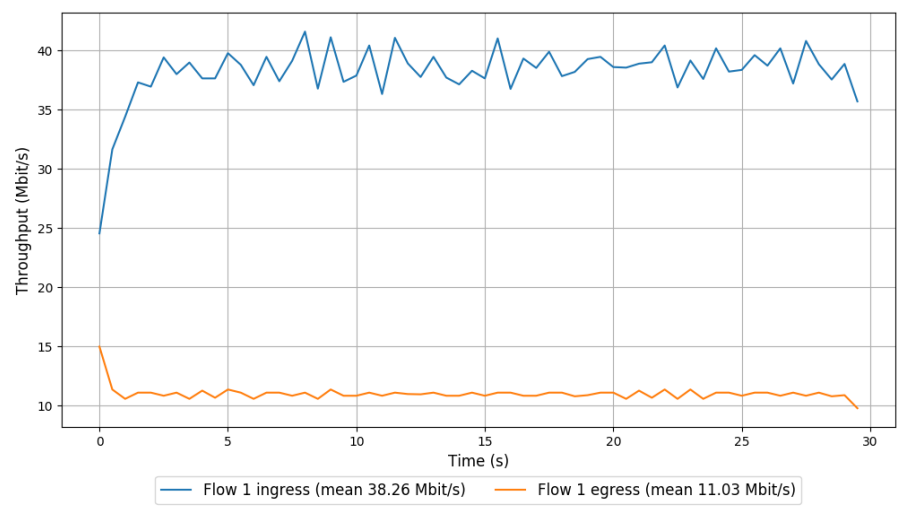
Run 3: Report of CalibratedKoho — Data Link

```
Run 4: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 11:29:54 +0000
End at: Wed, 05 Jul 2017 11:30:24 +0000
Local clock offset: 0.092 ms
Remote clock offset: -3.088 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:49:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 341.75 Mbit/s
95th percentile per-packet one-way delay: 3.169 ms
Loss rate: 59.41%
-- Flow 1:
Average throughput: 341.75 Mbit/s
95th percentile per-packet one-way delay: 3.169 ms
Loss rate: 59.41%
```
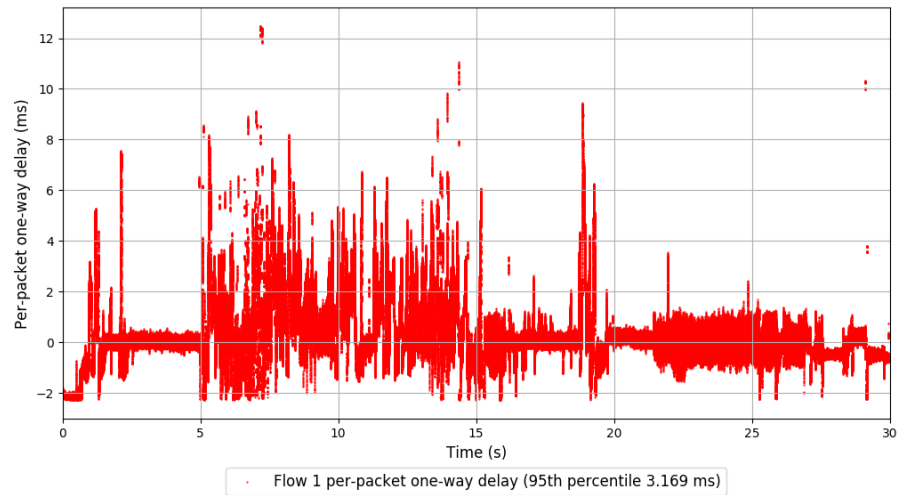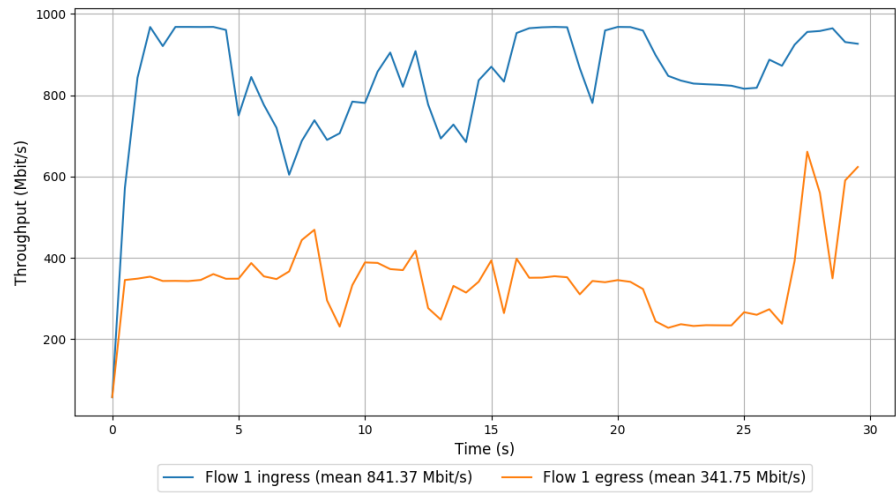
Run 4: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 841.37 Mbit/s) — Flow 1 egress (mean 341.75 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 3.169 ms)

```
Run 5: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 11:49:20 +0000
End at: Wed, 05 Jul 2017 11:49:50 +0000
Local clock offset: 0.07 ms
Remote clock offset: -2.946 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:50:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 286.60 Mbit/s
95th percentile per-packet one-way delay: 1.371 ms
Loss rate: 66.17%
-- Flow 1:
Average throughput: 286.60 Mbit/s
95th percentile per-packet one-way delay: 1.371 ms
Loss rate: 66.17%
```
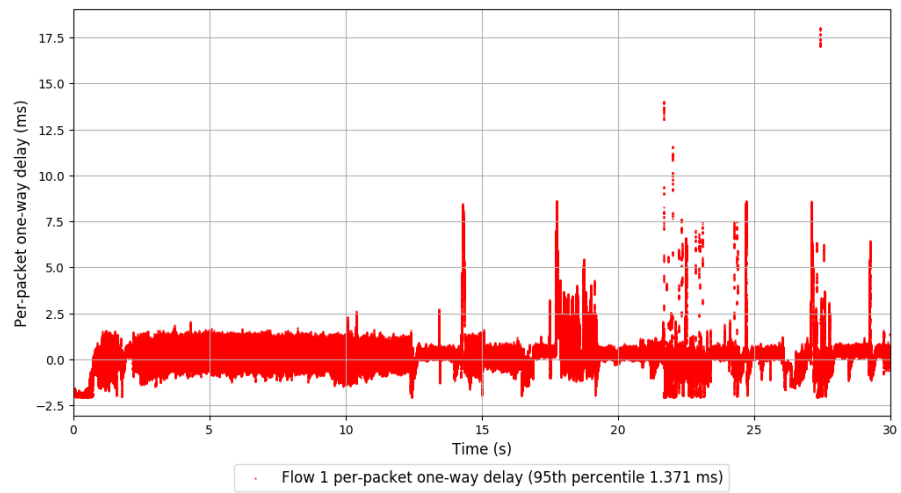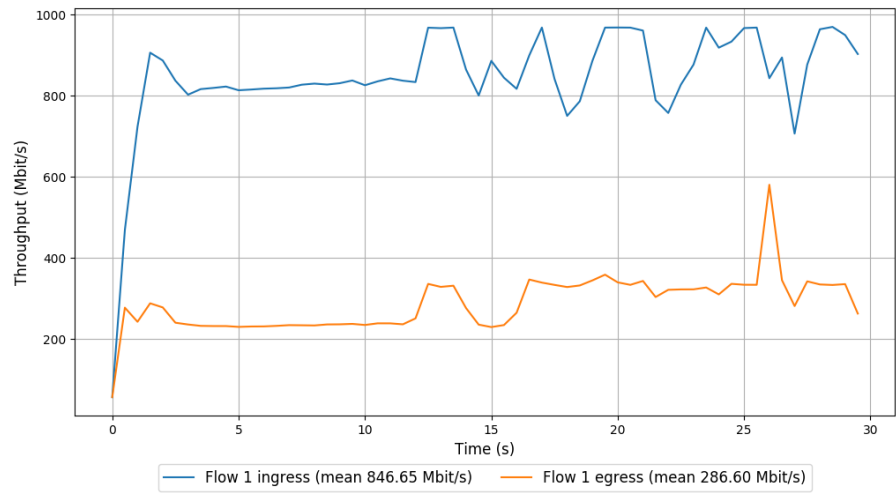
Run 5: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 846.65 Mbit/s)   Flow 1 egress (mean 286.60 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 1.371 ms)

```
Run 6: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 12:08:44 +0000
End at: Wed, 05 Jul 2017 12:09:14 +0000
Local clock offset: 0.014 ms
Remote clock offset: -2.762 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:50:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: -1.577 ms
Loss rate: 71.25%
-- Flow 1:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: -1.577 ms
Loss rate: 71.25%
```
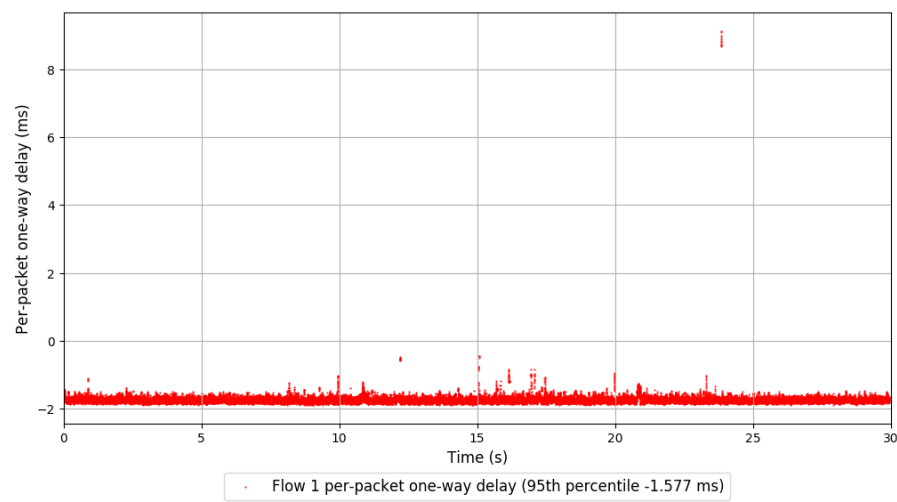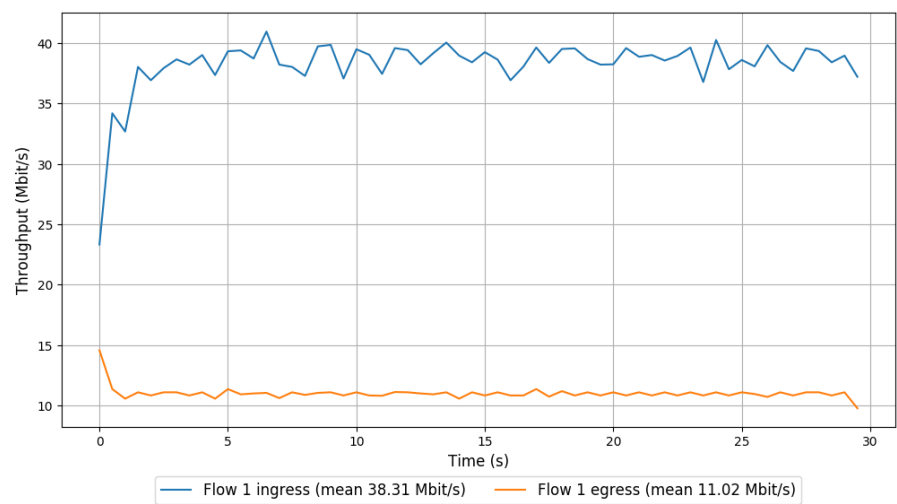
Run 6: Report of CalibratedKoho — Data Link

```
Run 7: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 12:26:48 +0000
End at: Wed, 05 Jul 2017 12:27:18 +0000
Local clock offset: 0.078 ms
Remote clock offset: -2.914 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:50:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: -1.759 ms
Loss rate: 71.26%
-- Flow 1:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: -1.759 ms
Loss rate: 71.26%
```
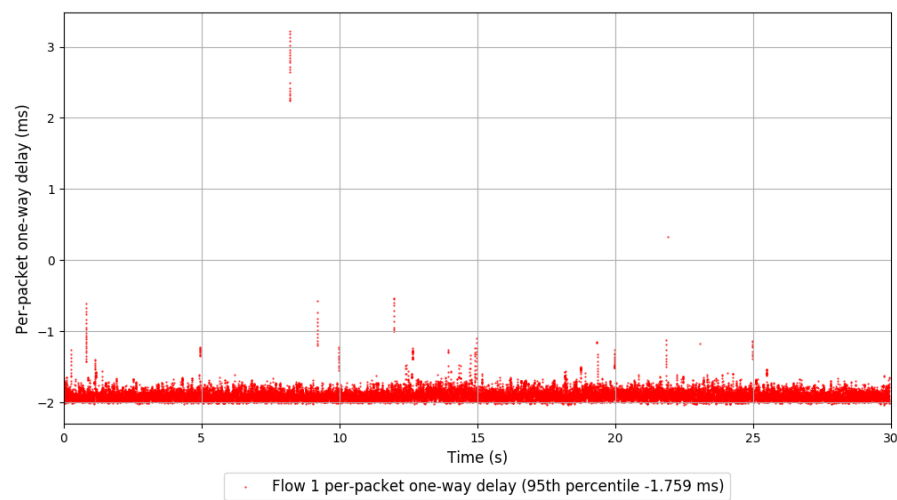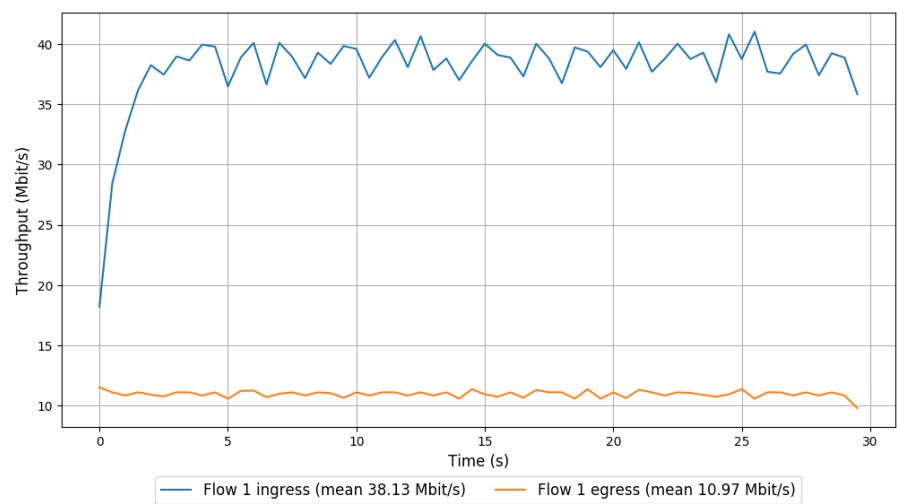
Run 7: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 38.13 Mbit/s)   Flow 1 egress (mean 10.97 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.759 ms)

```
Run 8: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 12:45:21 +0000
End at: Wed, 05 Jul 2017 12:45:51 +0000
Local clock offset: 0.191 ms
Remote clock offset: -3.135 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:53:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 374.50 Mbit/s
95th percentile per-packet one-way delay: 1.747 ms
Loss rate: 58.68%
-- Flow 1:
Average throughput: 374.50 Mbit/s
95th percentile per-packet one-way delay: 1.747 ms
Loss rate: 58.68%
```
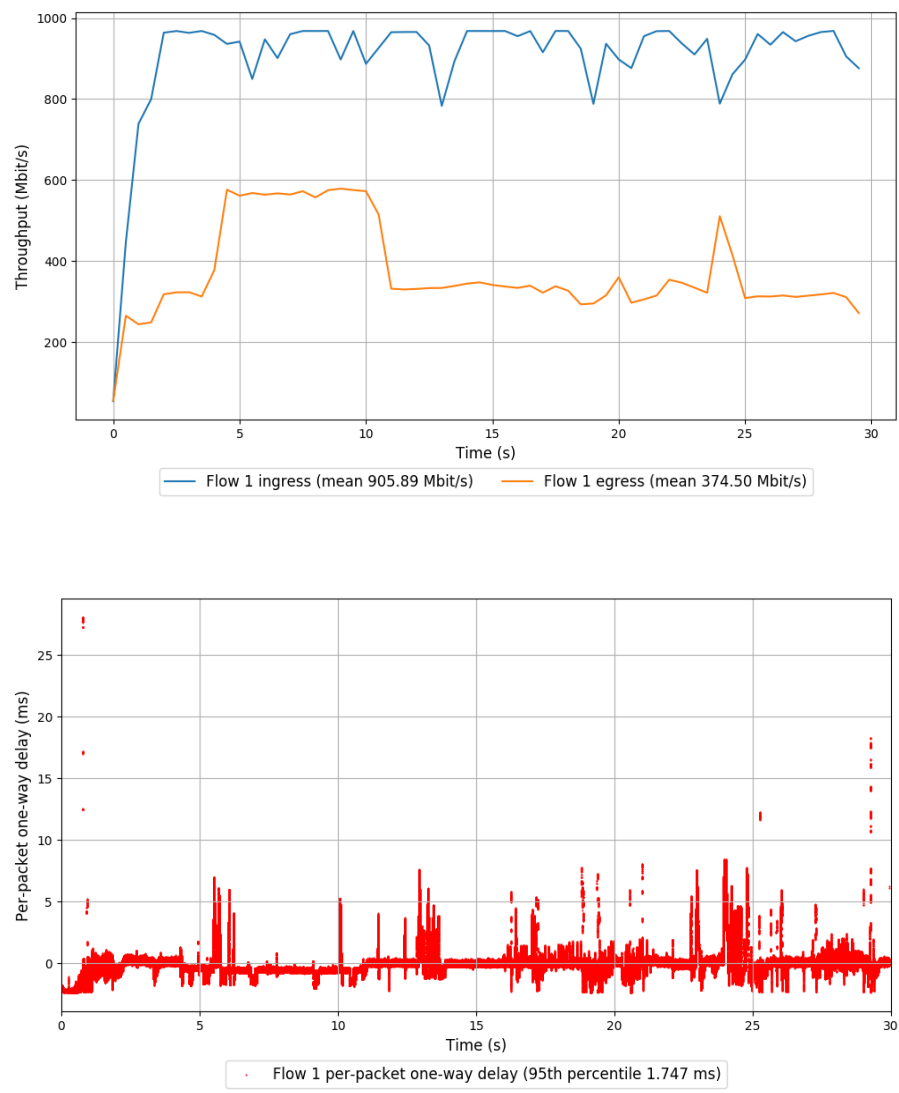
Run 8: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 905.89 Mbit/s) — Flow 1 egress (mean 374.50 Mbit/s)

. Flow 1 per-packet one-way delay (95th percentile 1.747 ms)

```
Run 9: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 13:04:59 +0000
End at: Wed, 05 Jul 2017 13:05:29 +0000
Local clock offset: 0.447 ms
Remote clock offset: -3.069 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:54:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 381.75 Mbit/s
95th percentile per-packet one-way delay: 2.954 ms
Loss rate: 55.37%
-- Flow 1:
Average throughput: 381.75 Mbit/s
95th percentile per-packet one-way delay: 2.954 ms
Loss rate: 55.37%
```
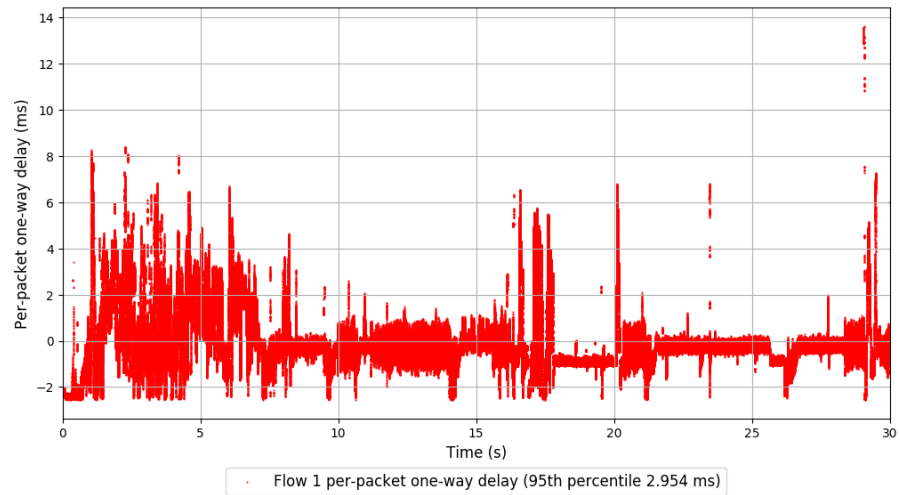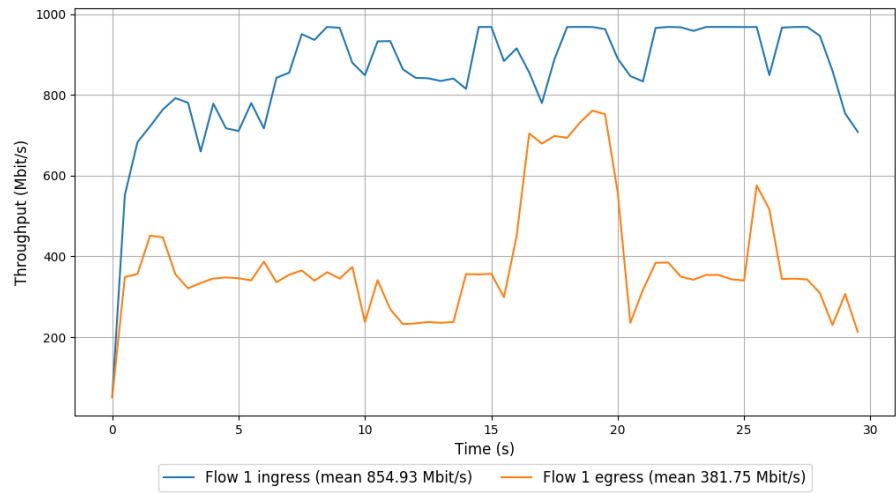
Run 9: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 854.93 Mbit/s) ——— Flow 1 egress (mean 381.75 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 2.954 ms)

41

```
Run 10: Statistics of CalibratedKoho

Start at: Wed, 05 Jul 2017 13:24:21 +0000
End at: Wed, 05 Jul 2017 13:24:51 +0000
Local clock offset: 0.376 ms
Remote clock offset: -2.873 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:57:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 369.01 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 57.88%
-- Flow 1:
Average throughput: 369.01 Mbit/s
95th percentile per-packet one-way delay: 1.209 ms
Loss rate: 57.88%
```
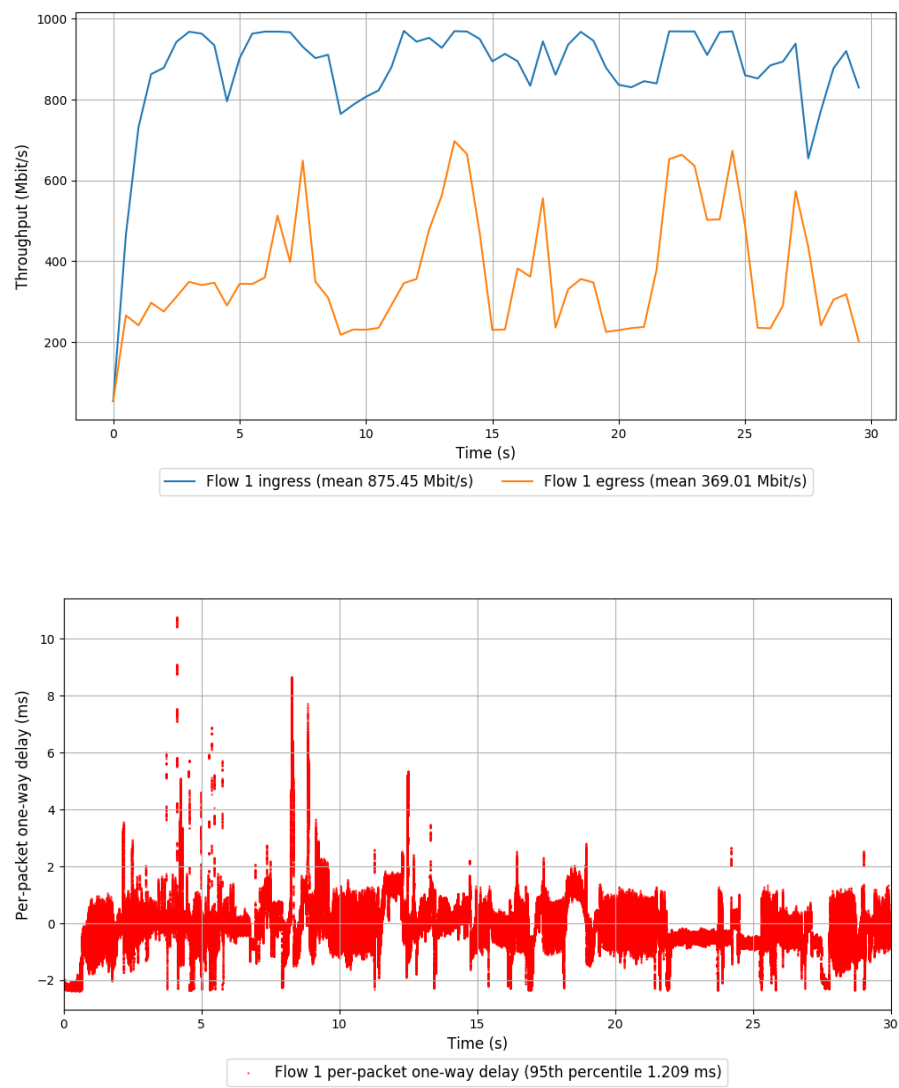
Run 10: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 875.45 Mbit/s)   Flow 1 egress (mean 369.01 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 1.209 ms)

43

```
Run 1: Statistics of Copa

Start at: Wed, 05 Jul 2017 10:46:03 +0000
End at: Wed, 05 Jul 2017 10:46:33 +0000
Local clock offset: 0.262 ms
Remote clock offset: -2.638 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:57:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: -1.760 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: -1.760 ms
Loss rate: 0.39%
```
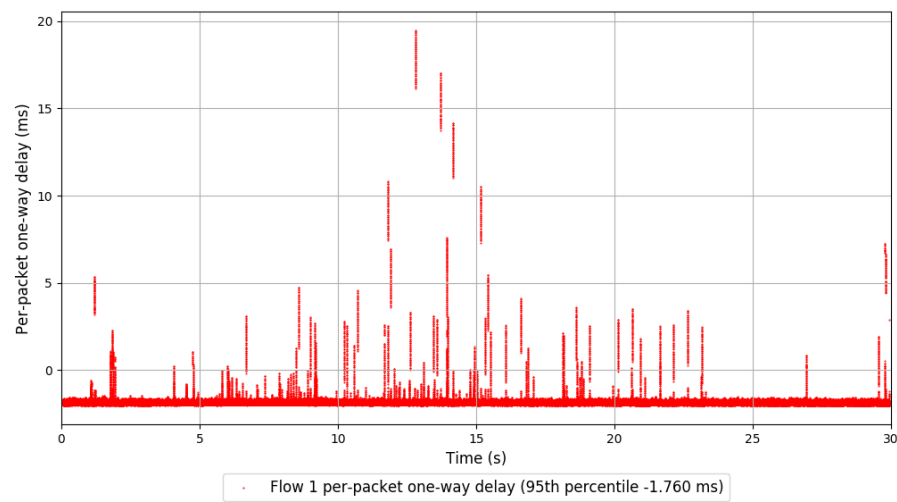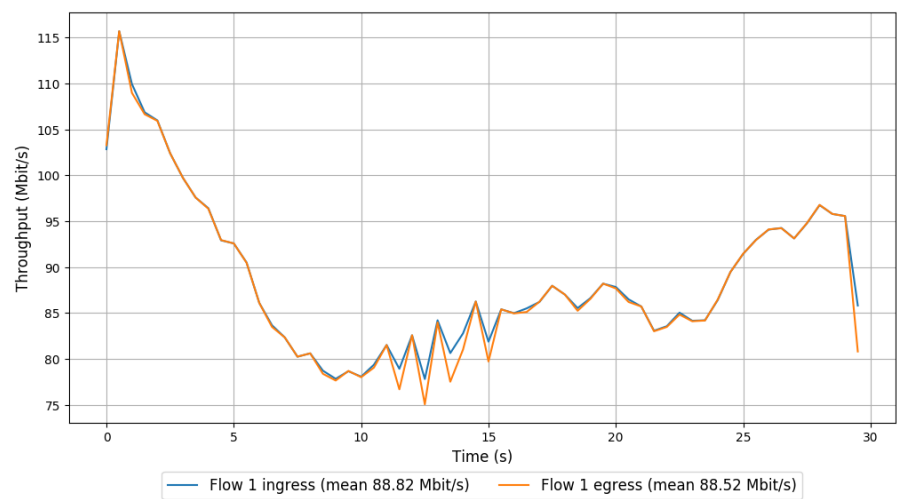
Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 88.82 Mbit/s) — Flow 1 egress (mean 88.52 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile -1.760 ms)

```
Run 2: Statistics of Copa

Start at: Wed, 05 Jul 2017 11:05:22 +0000
End at: Wed, 05 Jul 2017 11:05:52 +0000
Local clock offset: 0.251 ms
Remote clock offset: -2.791 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:57:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: -1.710 ms
Loss rate: 87.27%
-- Flow 1:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: -1.710 ms
Loss rate: 87.27%
```
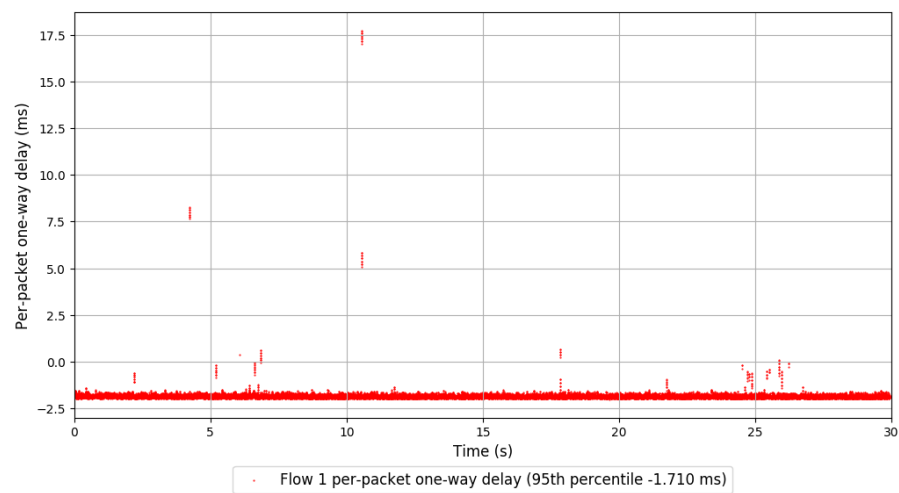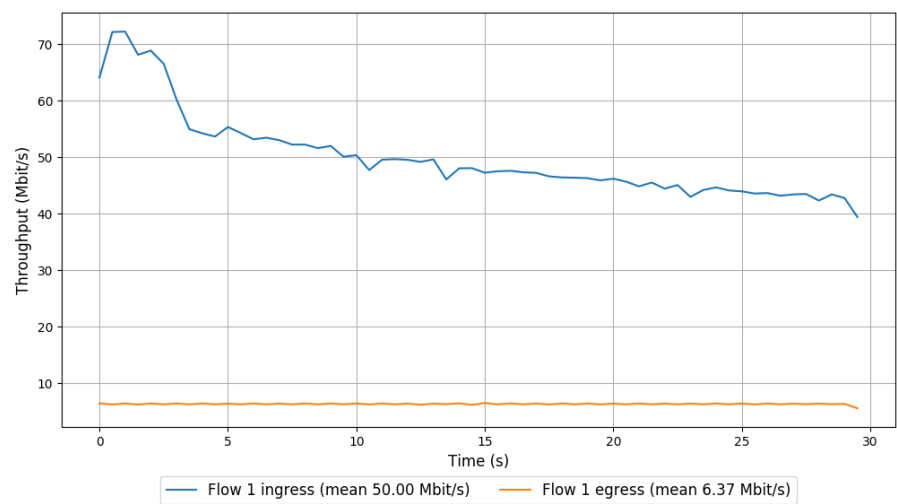
Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 50.00 Mbit/s) — Flow 1 egress (mean 6.37 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.710 ms)

47

```
Run 3: Statistics of Copa

Start at: Wed, 05 Jul 2017 11:23:21 +0000
End at: Wed, 05 Jul 2017 11:23:51 +0000
Local clock offset: 0.085 ms
Remote clock offset: -3.101 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:57:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: -2.041 ms
Loss rate: 87.84%
-- Flow 1:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: -2.041 ms
Loss rate: 87.84%
```
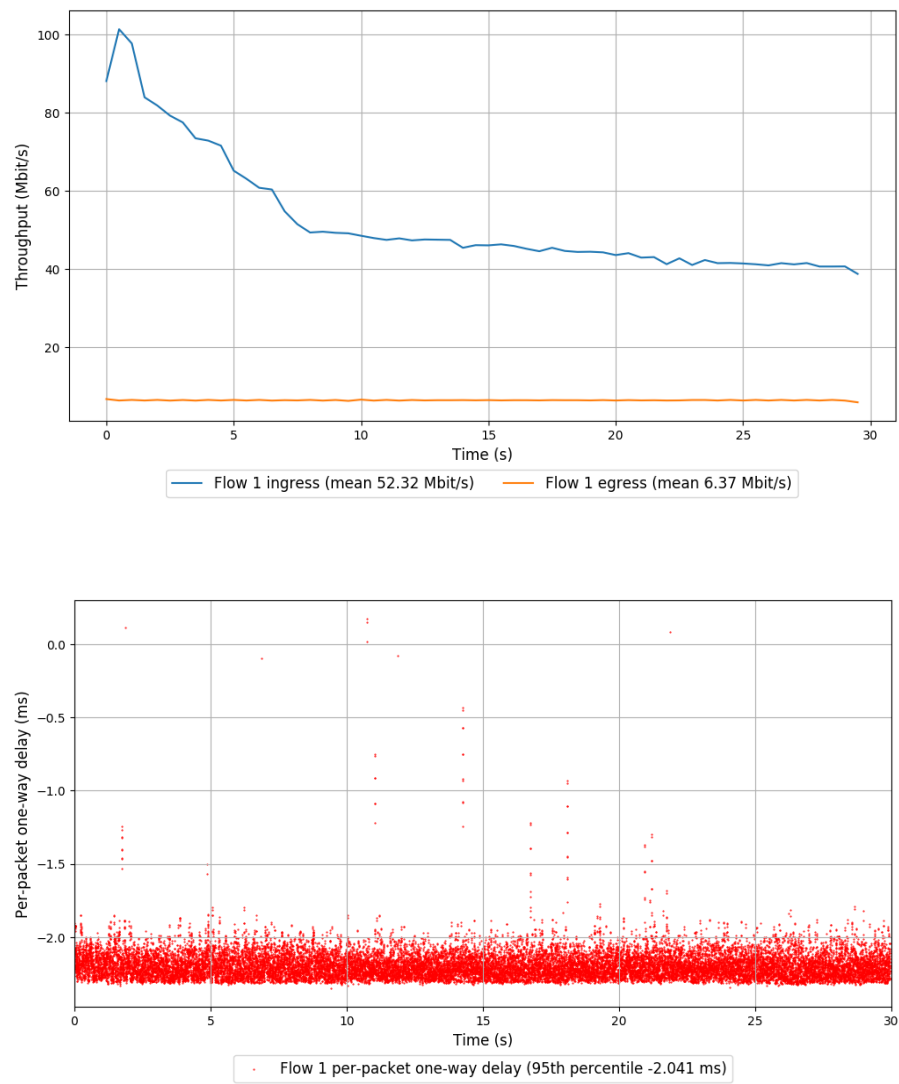
Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 52.32 Mbit/s) — Flow 1 egress (mean 6.37 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.041 ms)

```
Run 4: Statistics of Copa

Start at: Wed, 05 Jul 2017 11:42:58 +0000
End at: Wed, 05 Jul 2017 11:43:28 +0000
Local clock offset: 0.098 ms
Remote clock offset: -2.952 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:57:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: -1.855 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: -1.855 ms
Loss rate: 0.25%
```
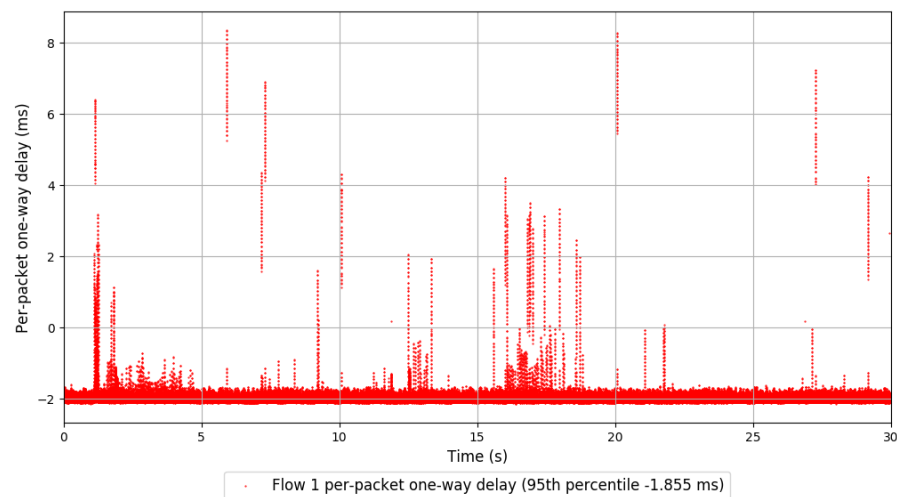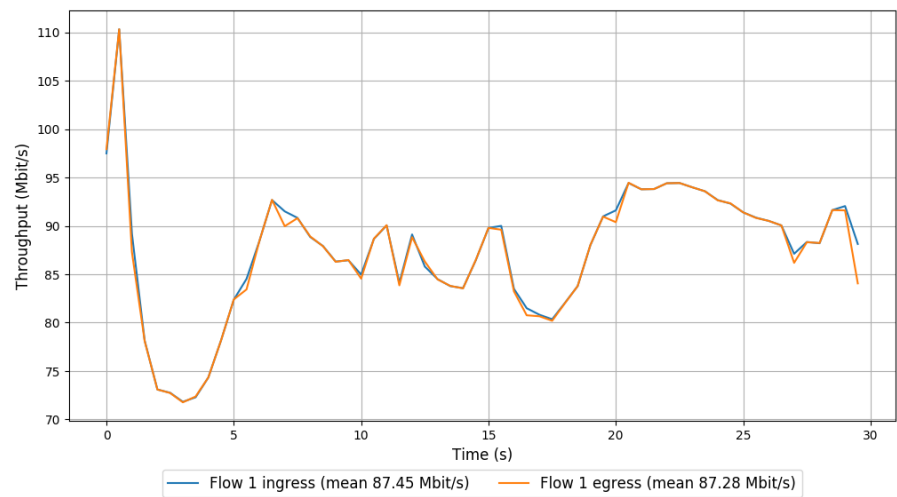
Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 87.45 Mbit/s)   Flow 1 egress (mean 87.28 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.855 ms)

```
Run 5: Statistics of Copa

Start at: Wed, 05 Jul 2017 12:02:16 +0000
End at: Wed, 05 Jul 2017 12:02:46 +0000
Local clock offset: 0.122 ms
Remote clock offset: -2.826 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:58:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: -1.703 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 90.13 Mbit/s
95th percentile per-packet one-way delay: -1.703 ms
Loss rate: 0.32%
```
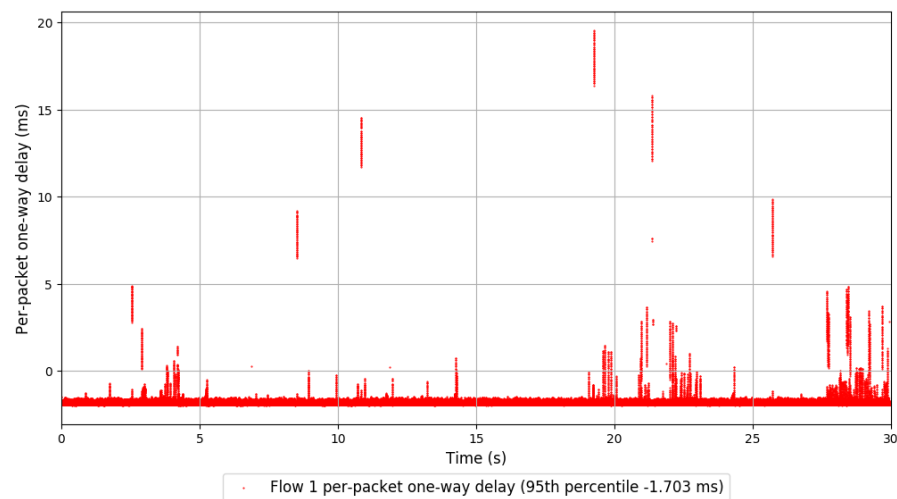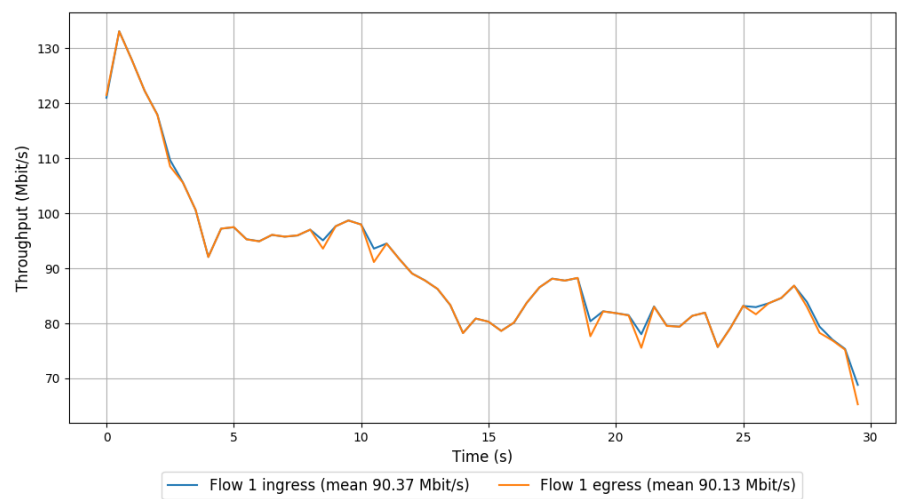
Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 90.37 Mbit/s)   Flow 1 egress (mean 90.13 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.703 ms)

```
Run 6: Statistics of Copa

Start at: Wed, 05 Jul 2017 12:20:49 +0000
End at: Wed, 05 Jul 2017 12:21:19 +0000
Local clock offset: 0.059 ms
Remote clock offset: -2.843 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:58:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: -1.690 ms
Loss rate: 86.77%
-- Flow 1:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: -1.690 ms
Loss rate: 86.77%
```
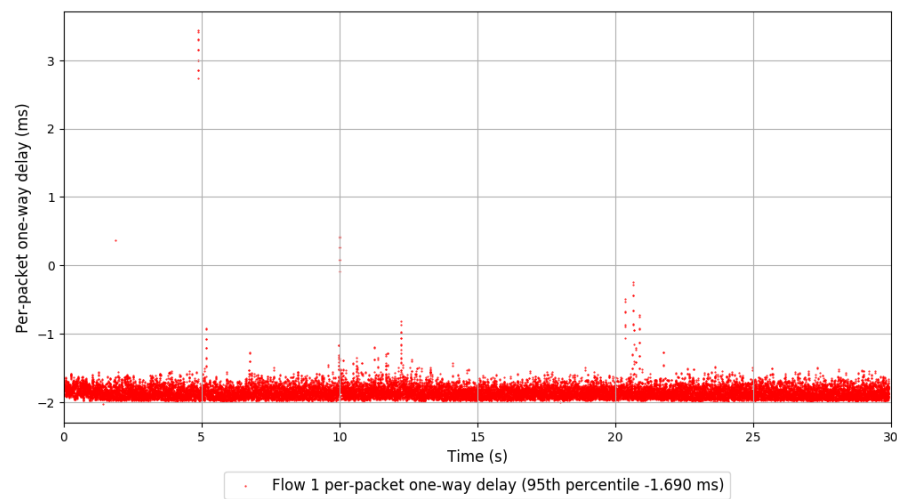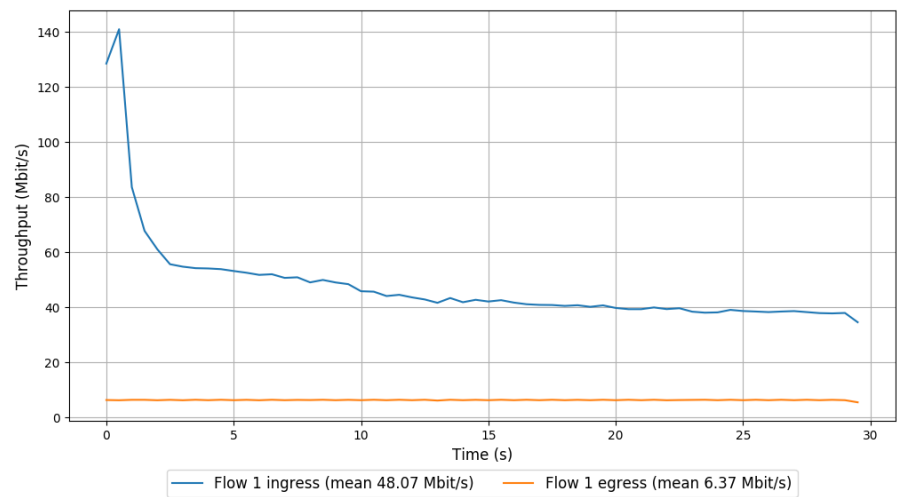
Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 48.07 Mbit/s) —— Flow 1 egress (mean 6.37 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile -1.690 ms)

```
Run 7: Statistics of Copa

Start at: Wed, 05 Jul 2017 12:38:54 +0000
End at: Wed, 05 Jul 2017 12:39:24 +0000
Local clock offset: 0.197 ms
Remote clock offset: -2.875 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:59:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.75 Mbit/s
95th percentile per-packet one-way delay: -1.889 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 83.75 Mbit/s
95th percentile per-packet one-way delay: -1.889 ms
Loss rate: 0.29%
```
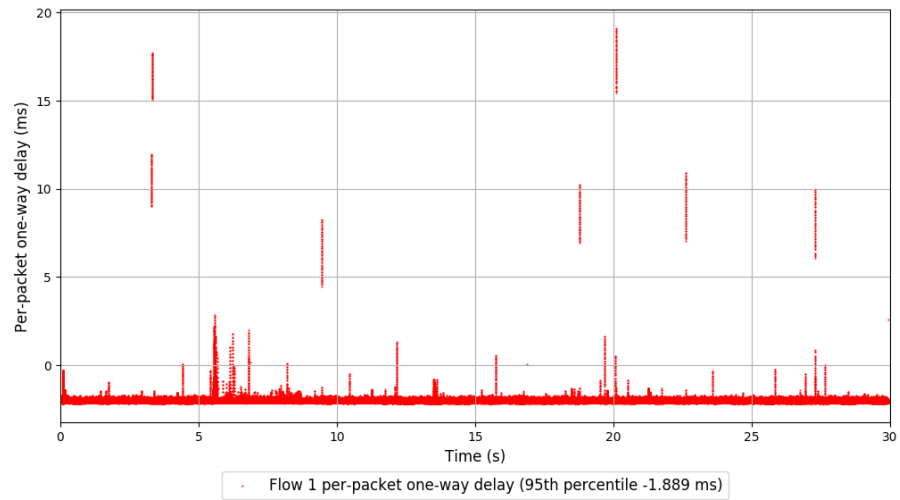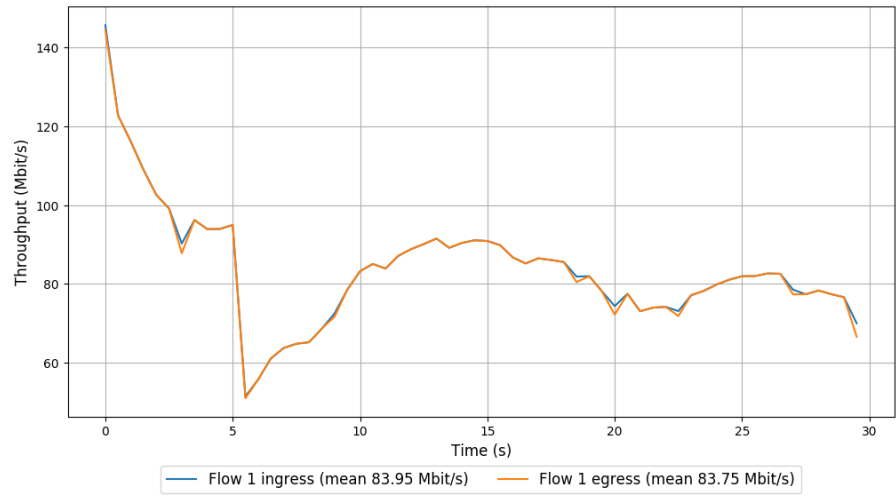
Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 83.95 Mbit/s)   Flow 1 egress (mean 83.75 Mbit/s)

·   Flow 1 per-packet one-way delay (95th percentile -1.889 ms)

```
Run 8: Statistics of Copa

Start at: Wed, 05 Jul 2017 12:58:20 +0000
End at: Wed, 05 Jul 2017 12:58:50 +0000
Local clock offset: 0.428 ms
Remote clock offset: -3.247 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 15:59:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: -2.375 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: -2.375 ms
Loss rate: 0.21%
```
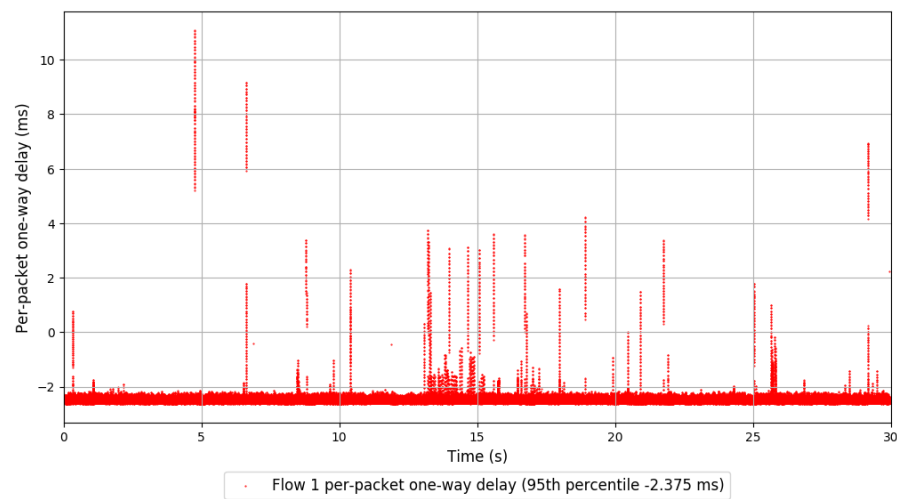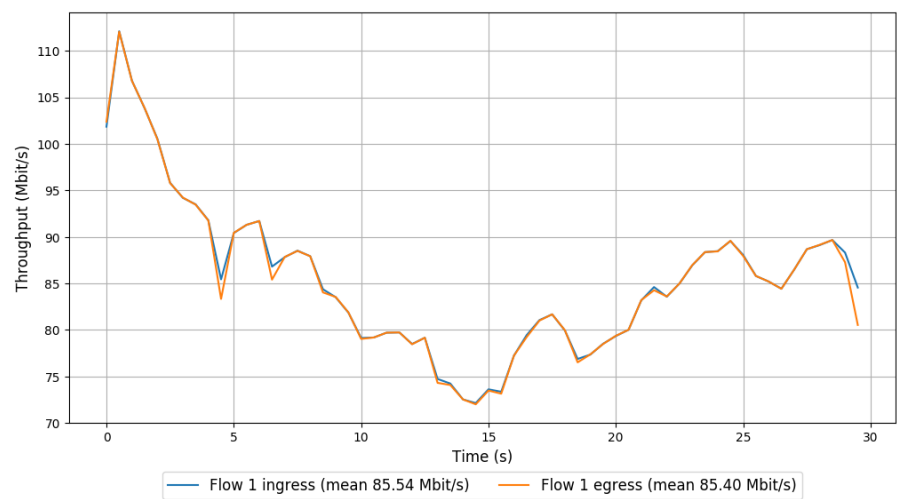
Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 85.54 Mbit/s) —— Flow 1 egress (mean 85.40 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile -2.375 ms)

```
Run 9: Statistics of Copa

Start at: Wed, 05 Jul 2017 13:18:03 +0000
End at: Wed, 05 Jul 2017 13:18:33 +0000
Local clock offset: 0.374 ms
Remote clock offset: -2.865 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:00:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: -2.104 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: -2.104 ms
Loss rate: 0.34%
```
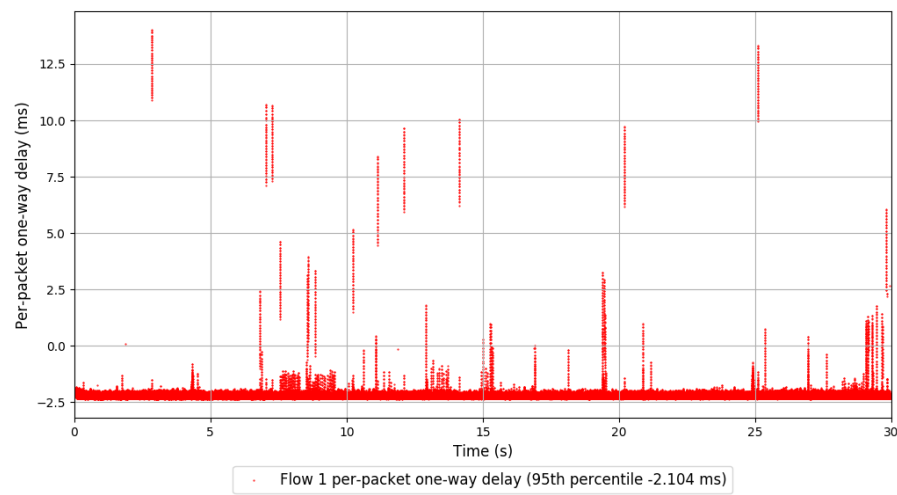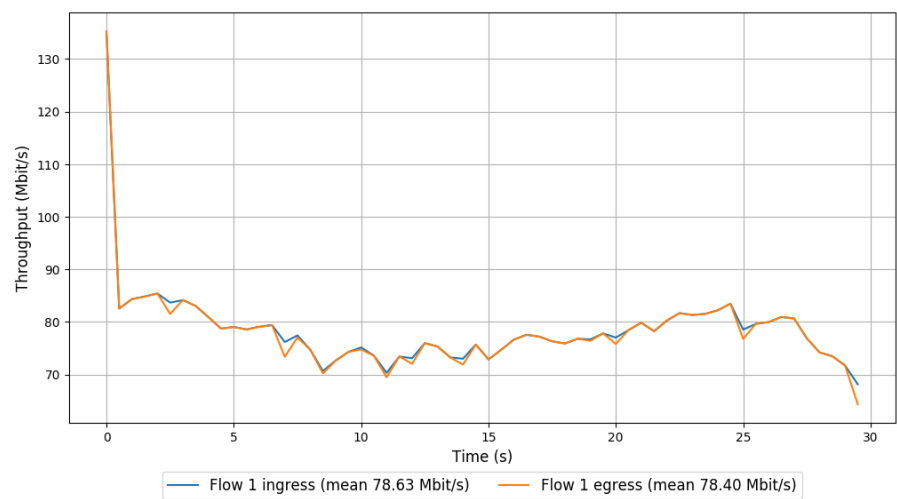
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 78.63 Mbit/s) —— Flow 1 egress (mean 78.40 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile -2.104 ms)
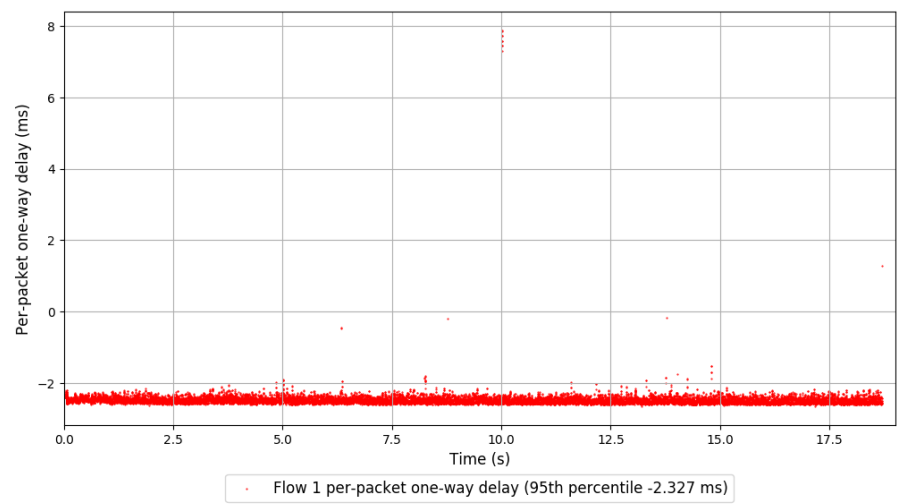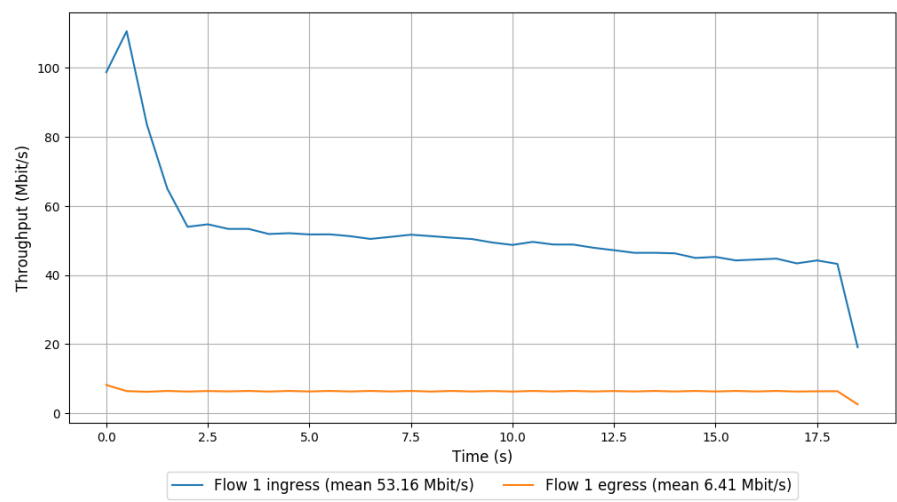
```
Run 10: Statistics of Copa

Start at: Wed, 05 Jul 2017 13:37:29 +0000
End at: Wed, 05 Jul 2017 13:37:59 +0000
Local clock offset: 0.384 ms
Remote clock offset: -3.144 ms
```

Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 53.16 Mbit/s) —— Flow 1 egress (mean 6.41 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile -2.327 ms)

```
Run 1: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 10:34:43 +0000
End at: Wed, 05 Jul 2017 10:35:13 +0000
Local clock offset: 0.472 ms
Remote clock offset: -2.837 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:00:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.45 Mbit/s
95th percentile per-packet one-way delay: -1.883 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 95.45 Mbit/s
95th percentile per-packet one-way delay: -1.883 ms
Loss rate: 0.42%
```
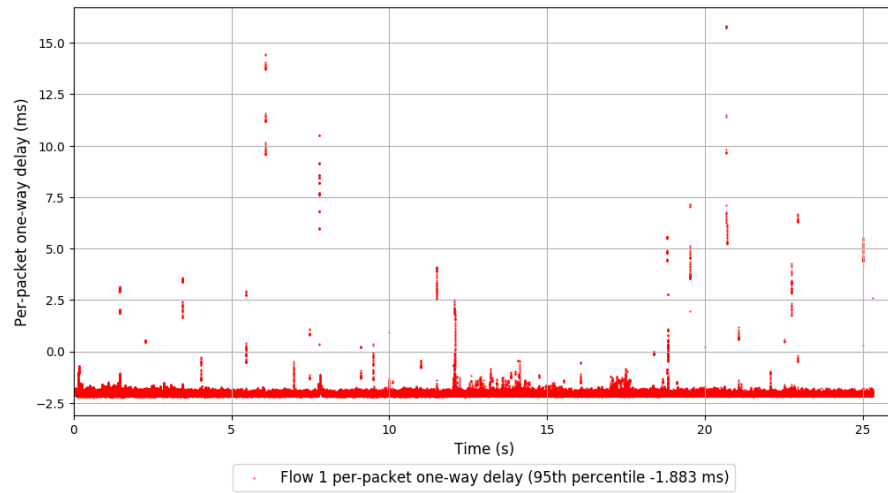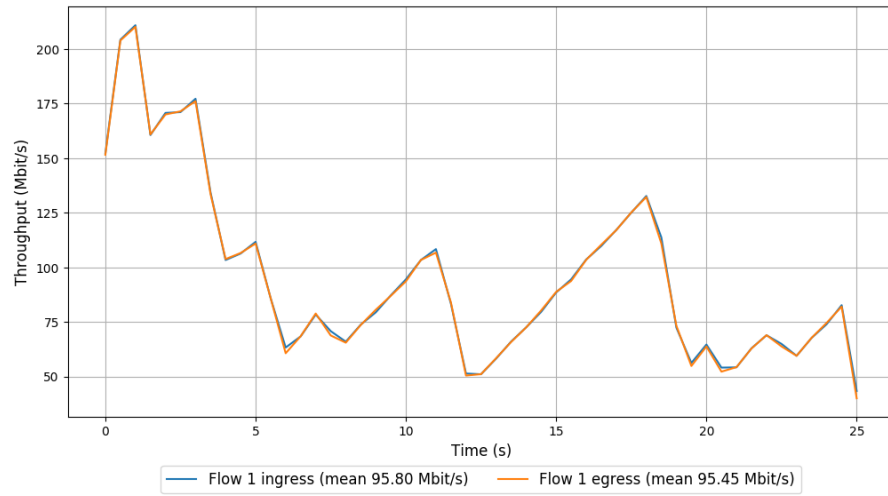
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 10:54:12 +0000
End at: Wed, 05 Jul 2017 10:54:42 +0000
Local clock offset: 0.204 ms
Remote clock offset: -2.689 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:01:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.12 Mbit/s
95th percentile per-packet one-way delay: -1.704 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 120.12 Mbit/s
95th percentile per-packet one-way delay: -1.704 ms
Loss rate: 0.25%
```
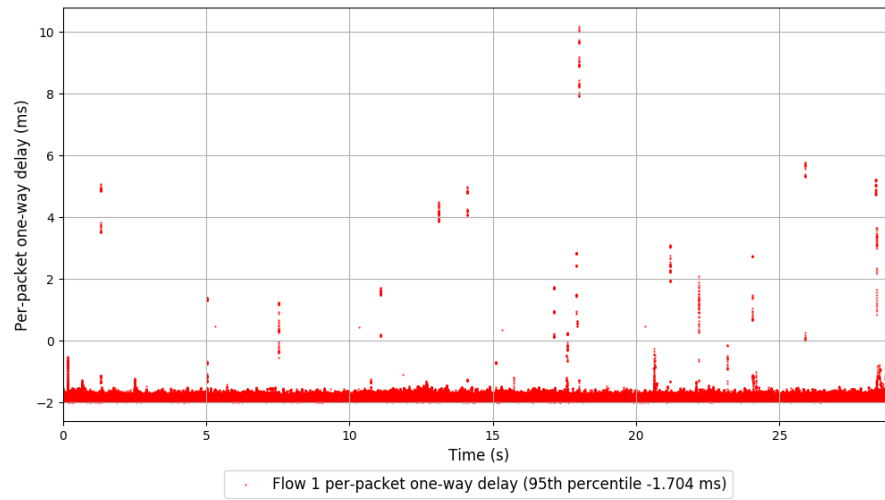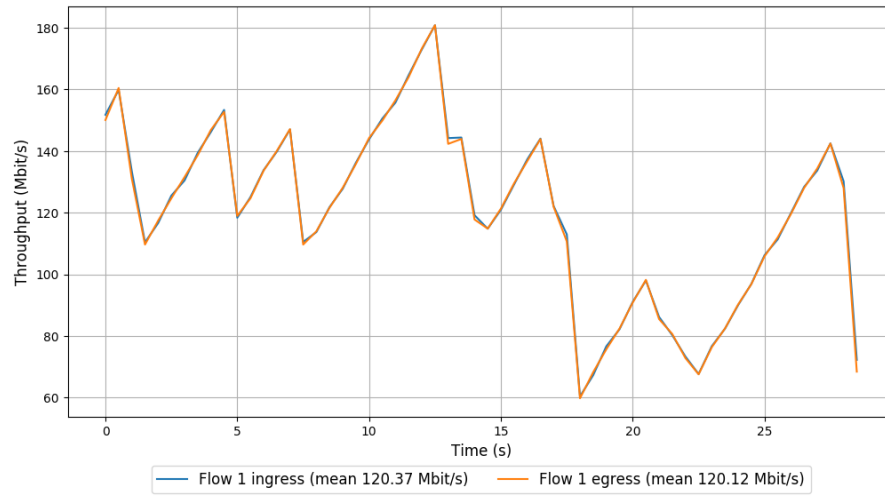
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 120.37 Mbit/s) — Flow 1 egress (mean 120.12 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.704 ms)

```
Run 3: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 11:12:33 +0000
End at: Wed, 05 Jul 2017 11:13:03 +0000
Local clock offset: 0.13 ms
Remote clock offset: -2.948 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:01:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: -1.834 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: -1.834 ms
Loss rate: 2.49%
```
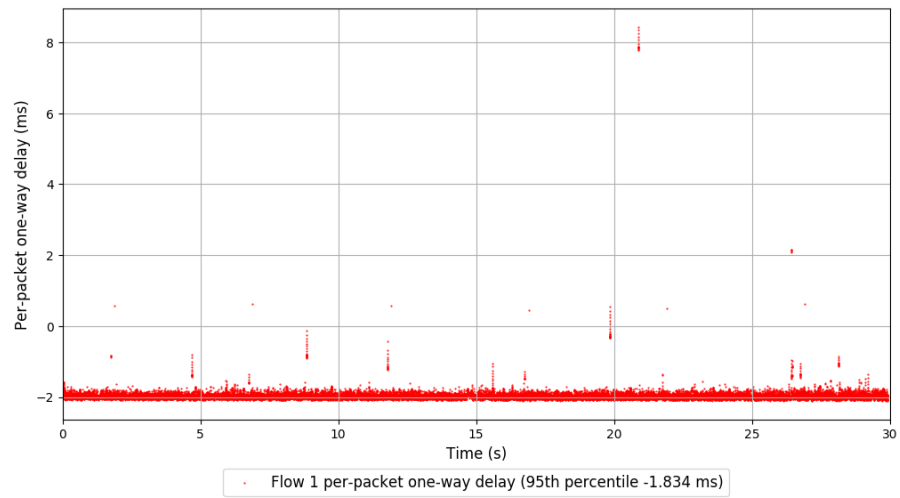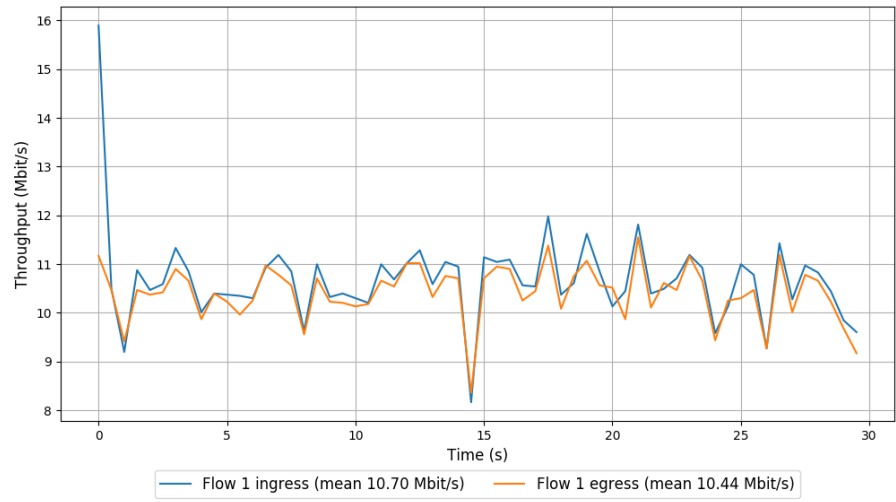
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 10.70 Mbit/s)   Flow 1 egress (mean 10.44 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.834 ms)

69

```
Run 4: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 11:31:37 +0000
End at: Wed, 05 Jul 2017 11:32:07 +0000
Local clock offset: 0.2 ms
Remote clock offset: -3.112 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:01:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: -1.932 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: -1.932 ms
Loss rate: 0.32%
```
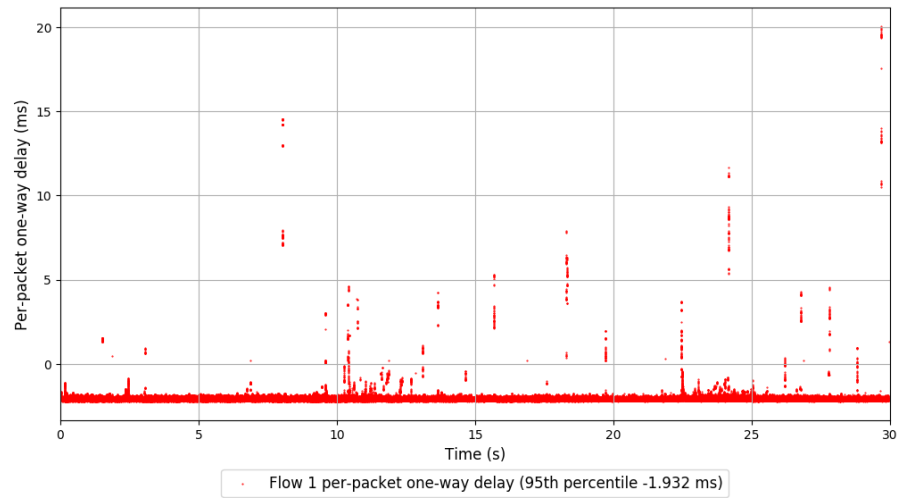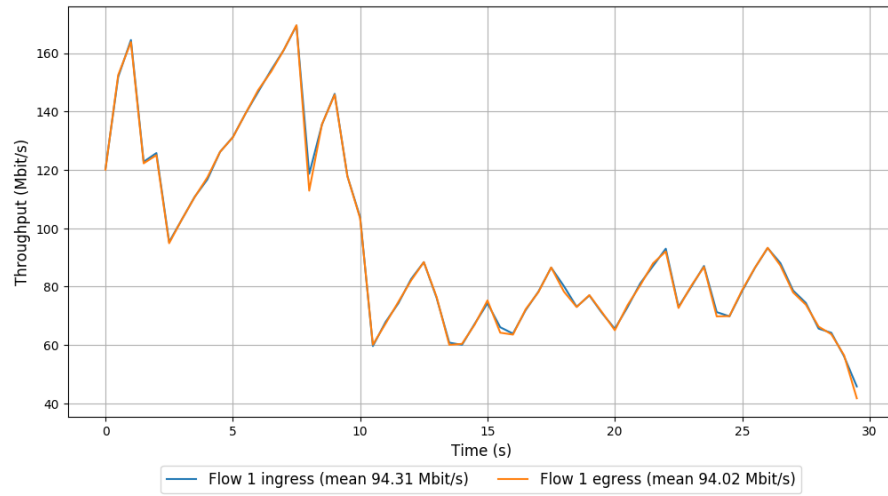
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 94.31 Mbit/s) — Flow 1 egress (mean 94.02 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.932 ms)

```
Run 5: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 11:50:58 +0000
End at: Wed, 05 Jul 2017 11:51:28 +0000
Local clock offset: 0.056 ms
Remote clock offset: -2.953 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:02:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: -1.766 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 91.99 Mbit/s
95th percentile per-packet one-way delay: -1.766 ms
Loss rate: 0.26%
```
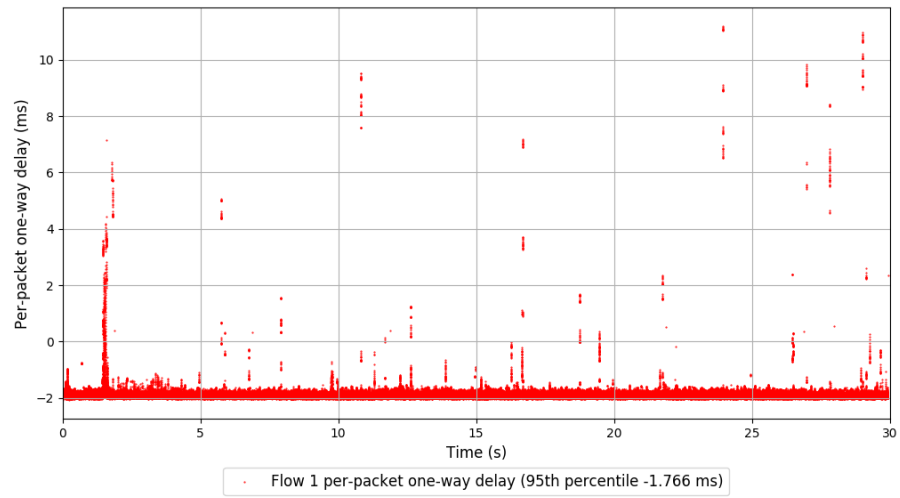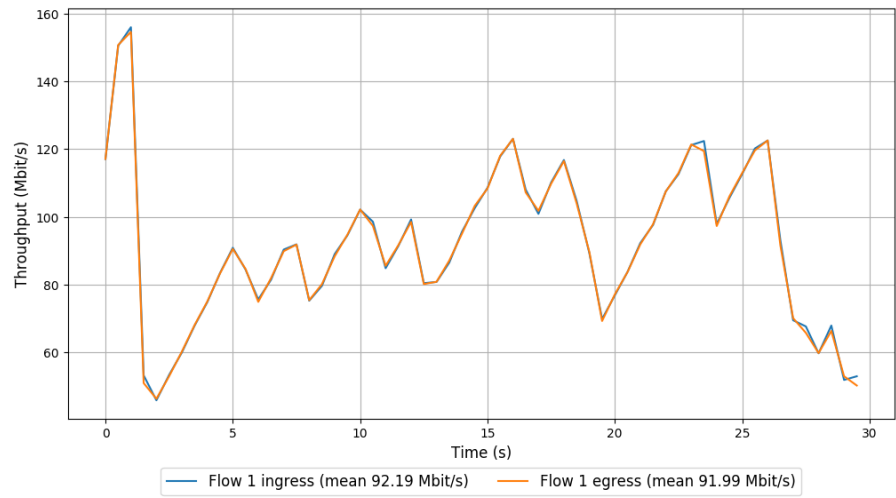
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 92.19 Mbit/s) — Flow 1 egress (mean 91.99 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.766 ms)

```
Run 6: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 12:09:58 +0000
End at: Wed, 05 Jul 2017 12:10:28 +0000
Local clock offset: 0.079 ms
Remote clock offset: -2.87 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:02:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.48 Mbit/s
95th percentile per-packet one-way delay: -1.634 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 10.48 Mbit/s
95th percentile per-packet one-way delay: -1.634 ms
Loss rate: 2.27%
```
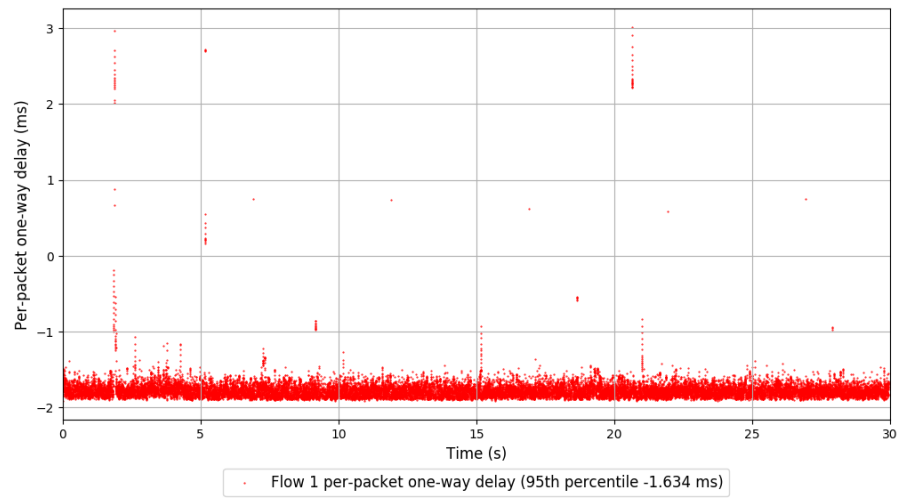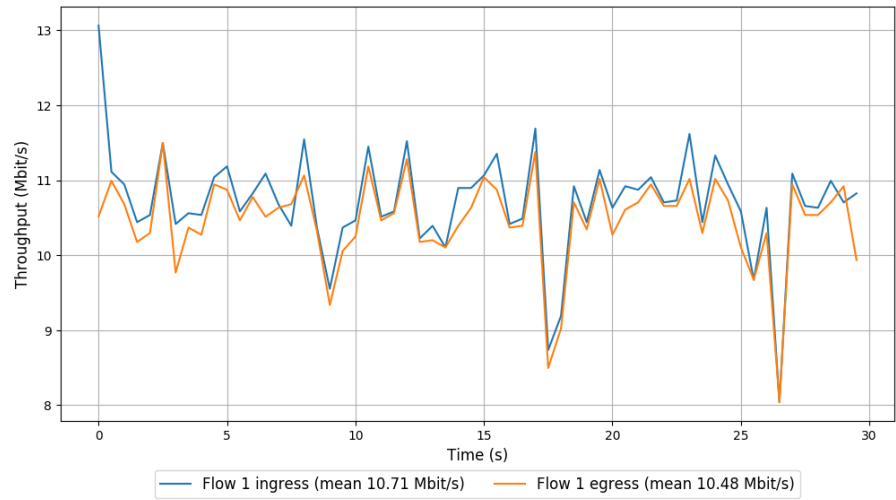
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 10.71 Mbit/s)   Flow 1 egress (mean 10.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.634 ms)

```
Run 7: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 12:28:01 +0000
End at: Wed, 05 Jul 2017 12:28:31 +0000
Local clock offset: 0.153 ms
Remote clock offset: -2.928 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:02:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: -1.755 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: -1.755 ms
Loss rate: 4.18%
```
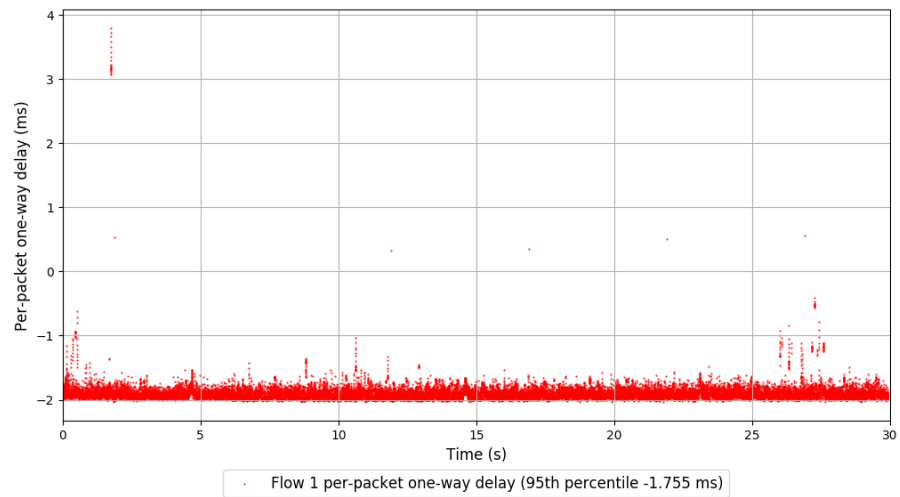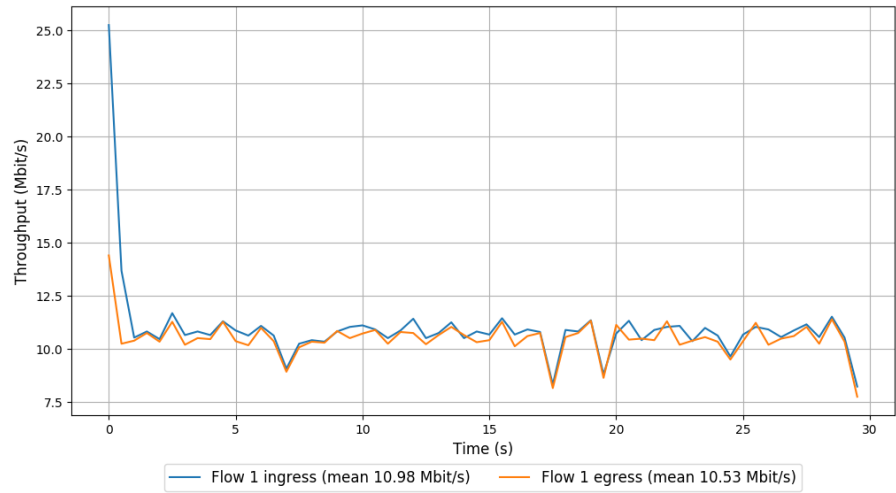
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 10.98 Mbit/s)   Flow 1 egress (mean 10.53 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.755 ms)
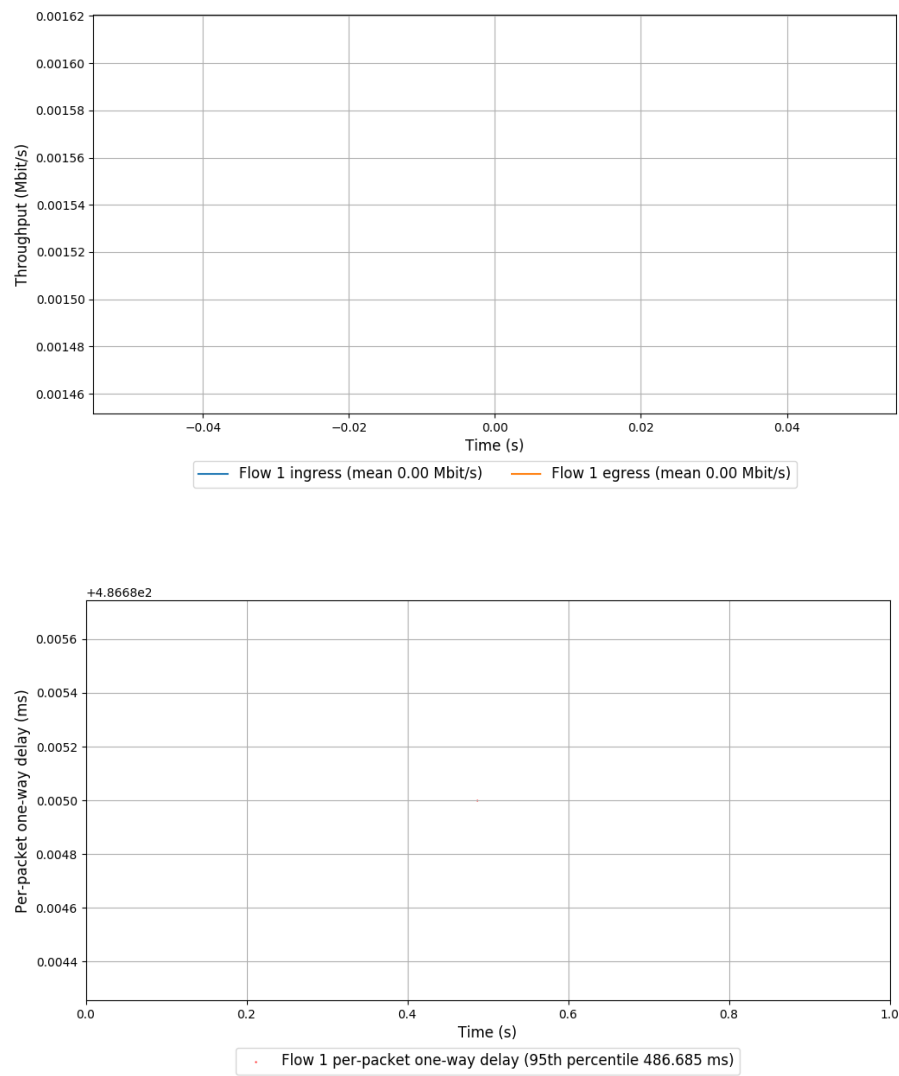
Run 8: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 12:47:05 +0000
End at: Wed, 05 Jul 2017 12:47:35 +0000
Local clock offset: 0.205 ms
Remote clock offset: -3.185 ms

Run 8: Report of TCP Cubic — Data Link

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

Flow 1 per-packet one-way delay (95th percentile 486.685 ms)

```
Run 9: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 13:06:42 +0000
End at: Wed, 05 Jul 2017 13:07:12 +0000
Local clock offset: 0.365 ms
Remote clock offset: -3.07 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:02:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 117.22 Mbit/s
95th percentile per-packet one-way delay: -2.233 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 117.22 Mbit/s
95th percentile per-packet one-way delay: -2.233 ms
Loss rate: 0.23%
```
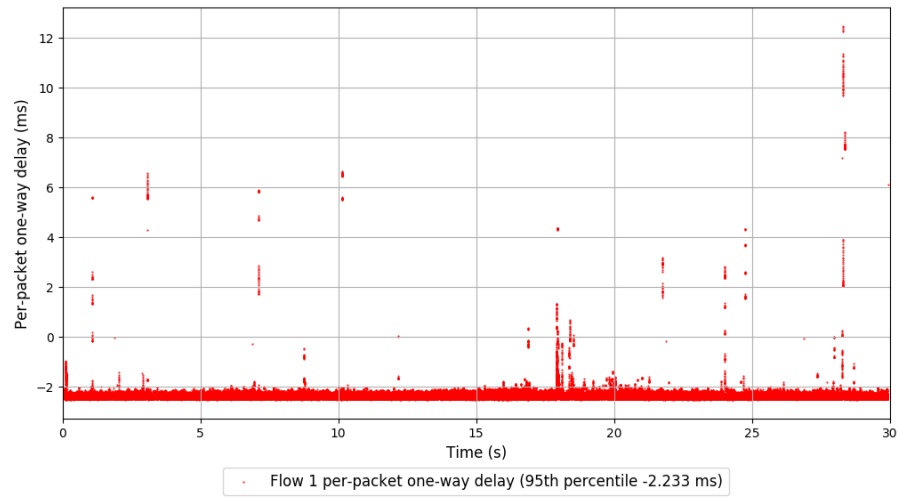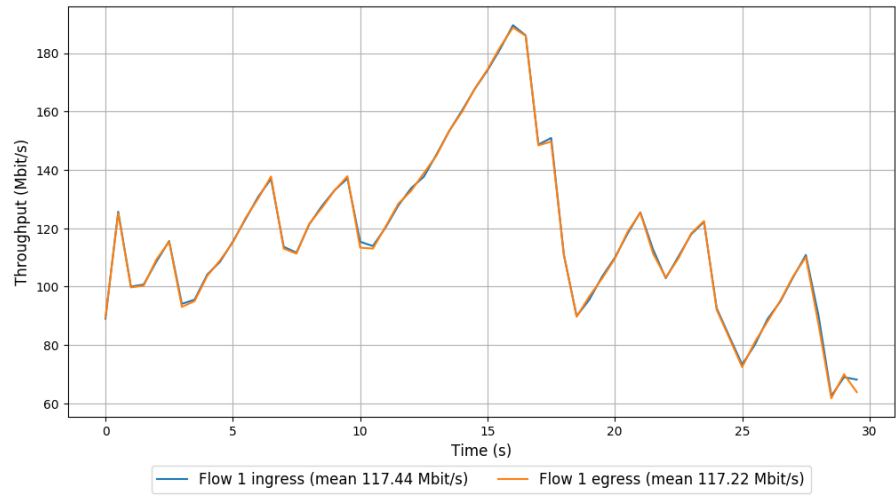
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 117.44 Mbit/s) — Flow 1 egress (mean 117.22 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.233 ms)

```
Run 10: Statistics of TCP Cubic

Start at: Wed, 05 Jul 2017 13:26:03 +0000
End at: Wed, 05 Jul 2017 13:26:33 +0000
Local clock offset: 0.448 ms
Remote clock offset: -2.957 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:02:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.14 Mbit/s
95th percentile per-packet one-way delay: -2.165 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 88.14 Mbit/s
95th percentile per-packet one-way delay: -2.165 ms
Loss rate: 0.37%
```
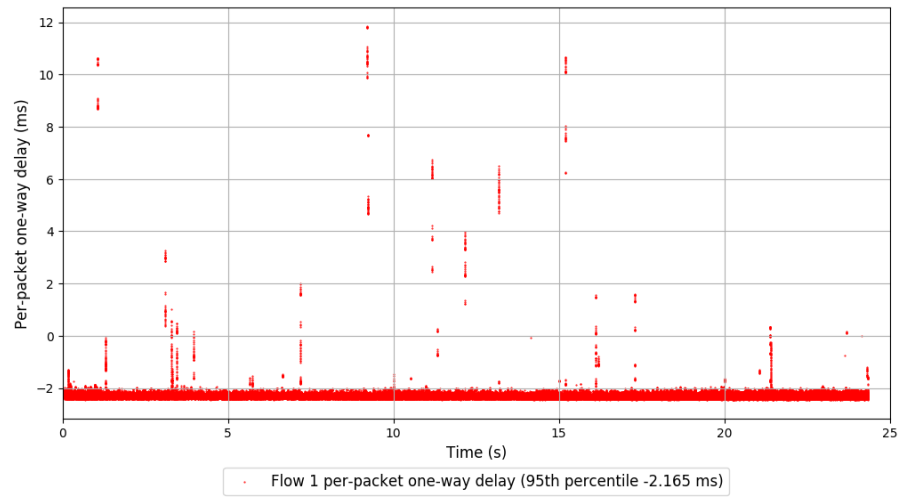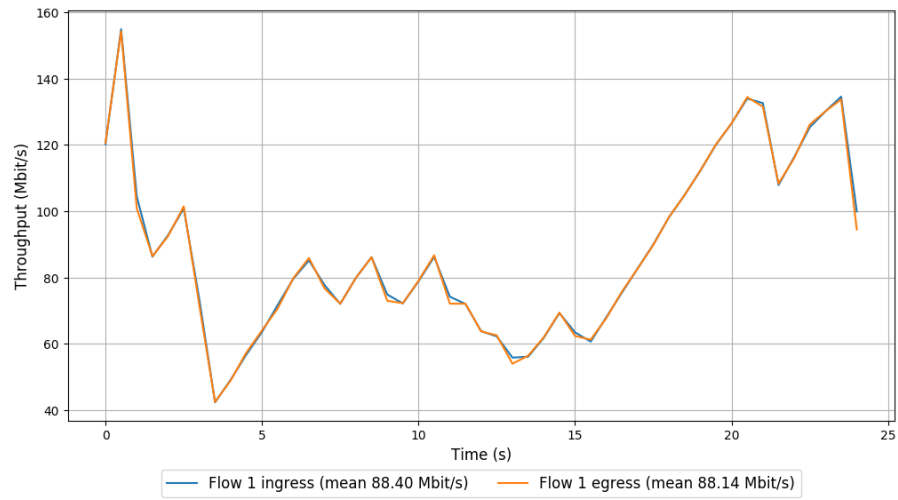
Run 10: Report of TCP Cubic — Data Link
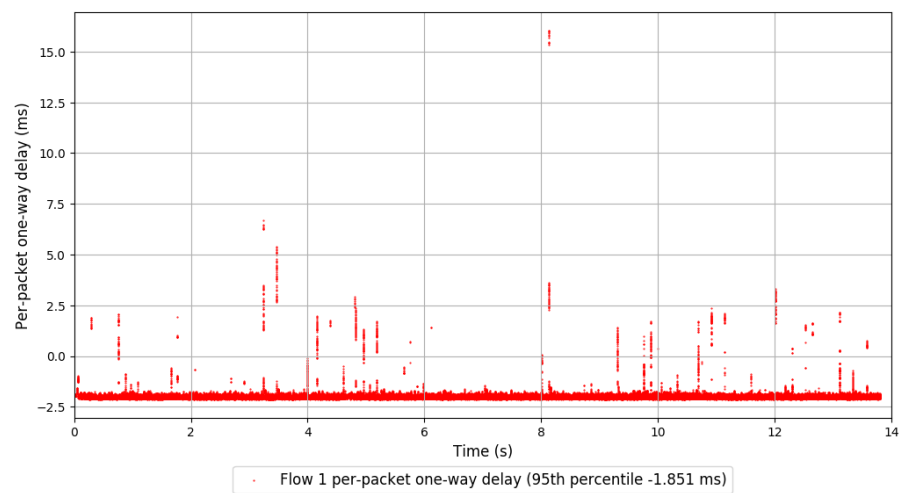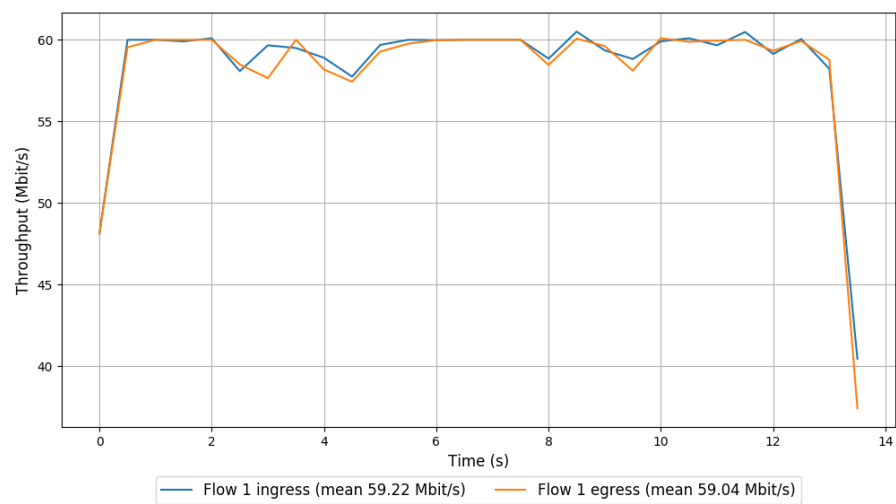
```
Run 1: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 10:37:29 +0000
End at: Wed, 05 Jul 2017 10:37:59 +0000
Local clock offset: 0.431 ms
Remote clock offset: -2.687 ms
```

Run 1: Report of KohoCC — Data Link

```
Run 2: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 10:56:54 +0000
End at: Wed, 05 Jul 2017 10:57:25 +0000
Local clock offset: 0.258 ms
Remote clock offset: -2.722 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:03:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: -1.610 ms
Loss rate: 69.29%
-- Flow 1:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: -1.610 ms
Loss rate: 69.29%
```
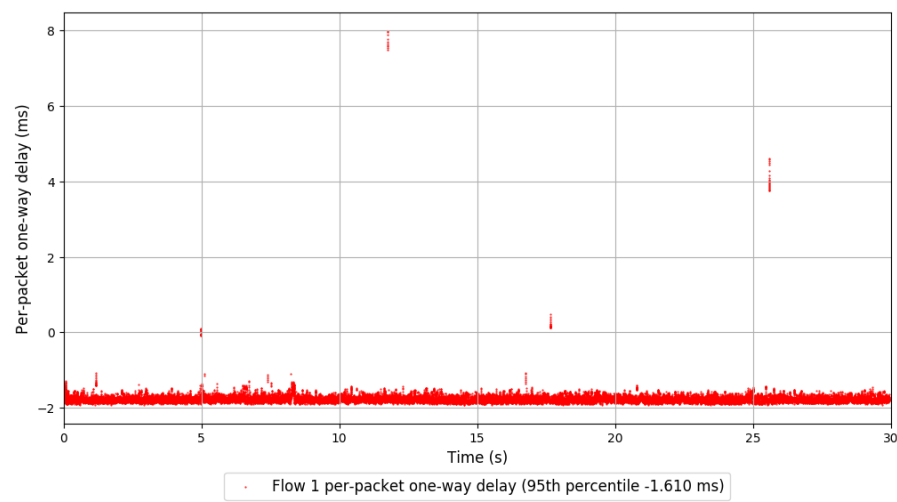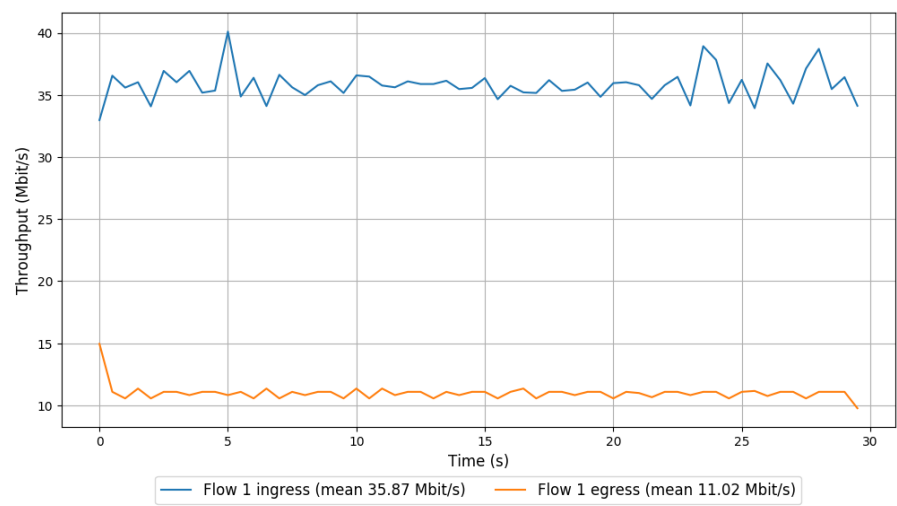
Run 2: Report of KohoCC — Data Link

Flow 1 ingress (mean 35.87 Mbit/s)   Flow 1 egress (mean 11.02 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.610 ms)

```
Run 3: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 11:14:55 +0000
End at: Wed, 05 Jul 2017 11:15:25 +0000
Local clock offset: 0.149 ms
Remote clock offset: -3.01 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:03:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: -1.842 ms
Loss rate: 69.33%
-- Flow 1:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: -1.842 ms
Loss rate: 69.33%
```
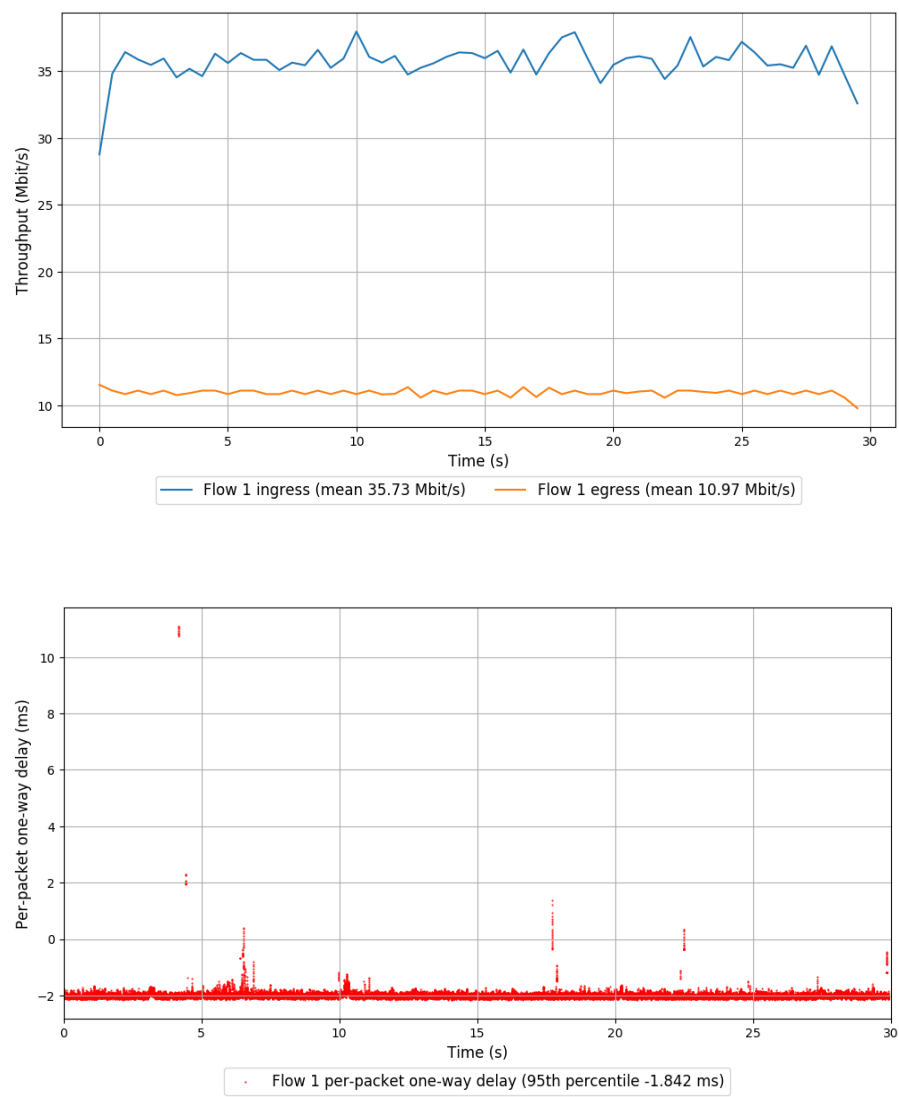
Run 3: Report of KohoCC — Data Link

```
Run 4: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 11:34:25 +0000
End at: Wed, 05 Jul 2017 11:34:55 +0000
Local clock offset: 0.168 ms
Remote clock offset: -3.07 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:03:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: -1.936 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 59.29 Mbit/s
95th percentile per-packet one-way delay: -1.936 ms
Loss rate: 0.20%
```
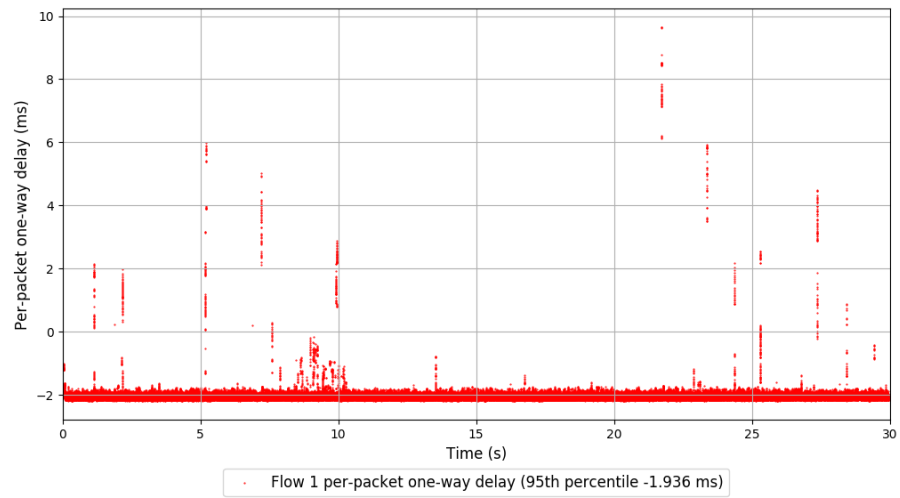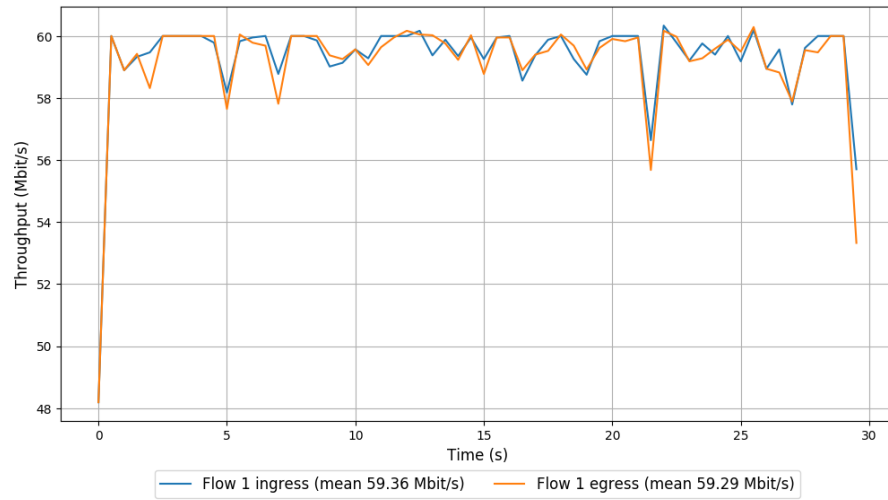
Run 4: Report of KohoCC — Data Link

Flow 1 ingress (mean 59.36 Mbit/s)   Flow 1 egress (mean 59.29 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.936 ms)

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```
Run 5: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 11:53:42 +0000
End at: Wed, 05 Jul 2017 11:54:12 +0000
Local clock offset: 0.024 ms
Remote clock offset: -2.887 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:03:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: -1.752 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: -1.752 ms
Loss rate: 0.30%
```
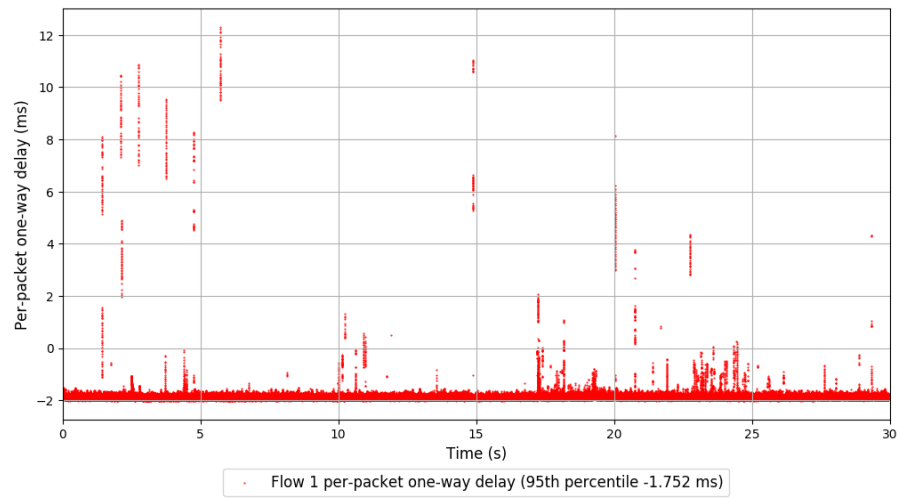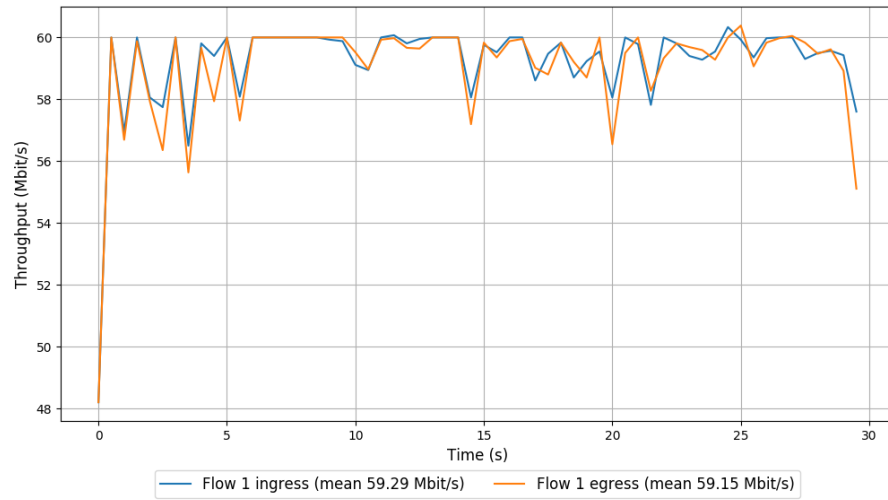
Run 5: Report of KohoCC — Data Link

Flow 1 ingress (mean 59.29 Mbit/s)   Flow 1 egress (mean 59.15 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.752 ms)

```
Run 6: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 12:12:19 +0000
End at: Wed, 05 Jul 2017 12:12:49 +0000
Local clock offset: 0.018 ms
Remote clock offset: -2.767 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:03:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: -1.626 ms
Loss rate: 69.32%
-- Flow 1:
Average throughput: 11.02 Mbit/s
95th percentile per-packet one-way delay: -1.626 ms
Loss rate: 69.32%
```
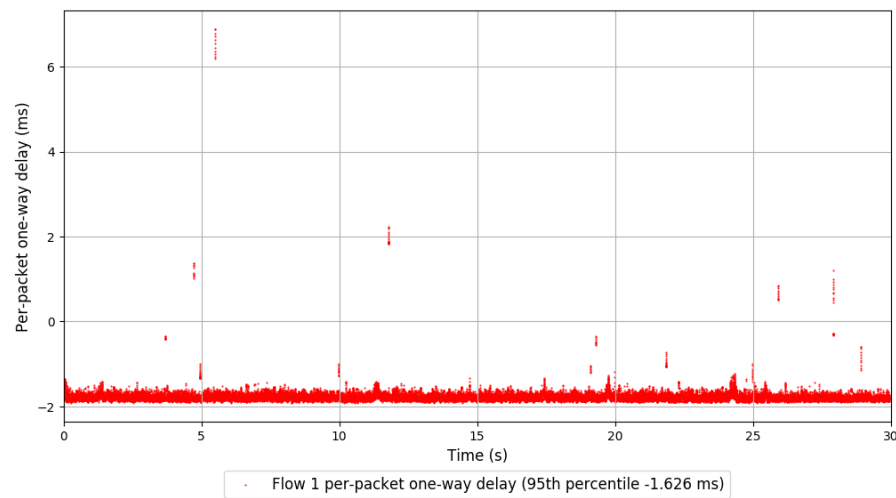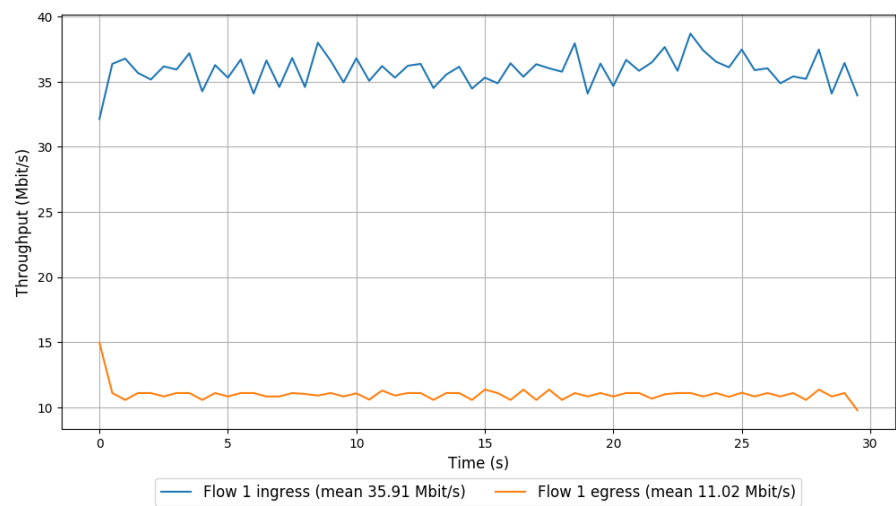
Run 6: Report of KohoCC — Data Link

Flow 1 ingress (mean 35.91 Mbit/s)   Flow 1 egress (mean 11.02 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.626 ms)

```
Run 7: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 12:30:22 +0000
End at: Wed, 05 Jul 2017 12:30:52 +0000
Local clock offset: 0.09 ms
Remote clock offset: -2.945 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:03:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: -1.770 ms
Loss rate: 69.59%
-- Flow 1:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: -1.770 ms
Loss rate: 69.59%
```
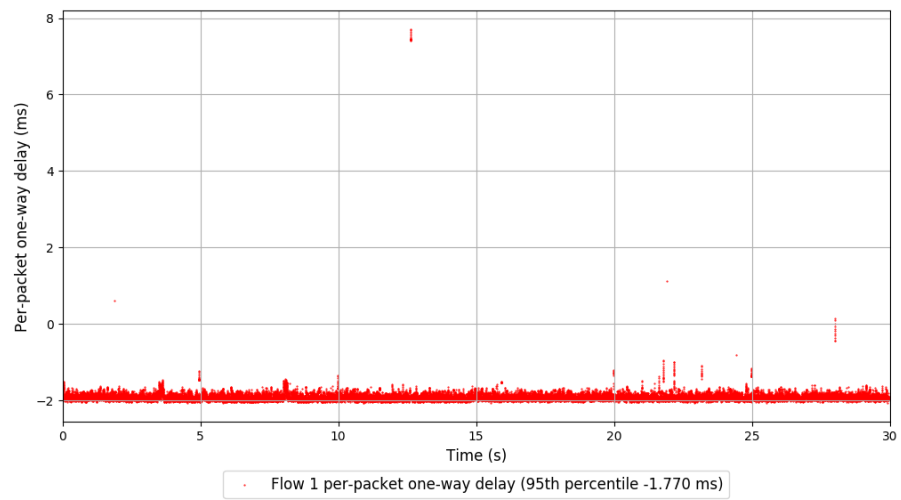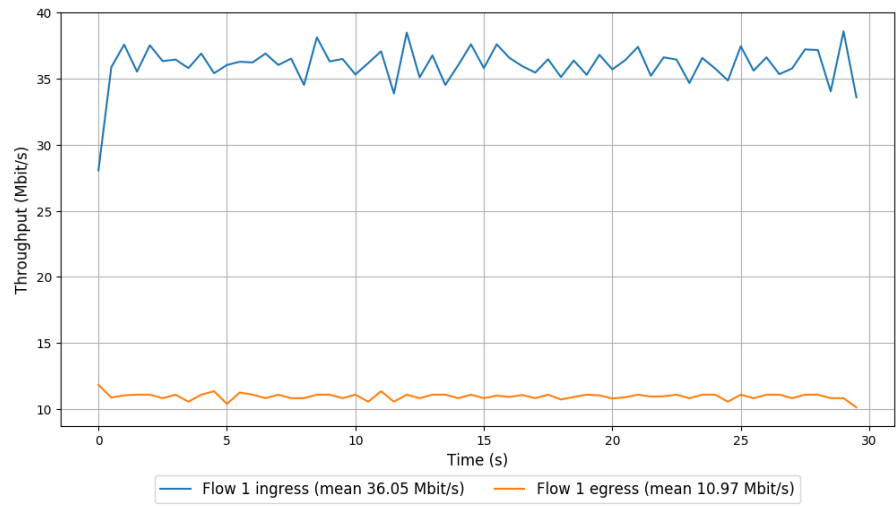
Run 7: Report of KohoCC — Data Link

Flow 1 ingress (mean 36.05 Mbit/s)   Flow 1 egress (mean 10.97 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.770 ms)

```
Run 8: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 12:49:46 +0000
End at: Wed, 05 Jul 2017 12:50:16 +0000
Local clock offset: 0.239 ms
Remote clock offset: -3.133 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:04:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: -2.270 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: -2.270 ms
Loss rate: 0.28%
```
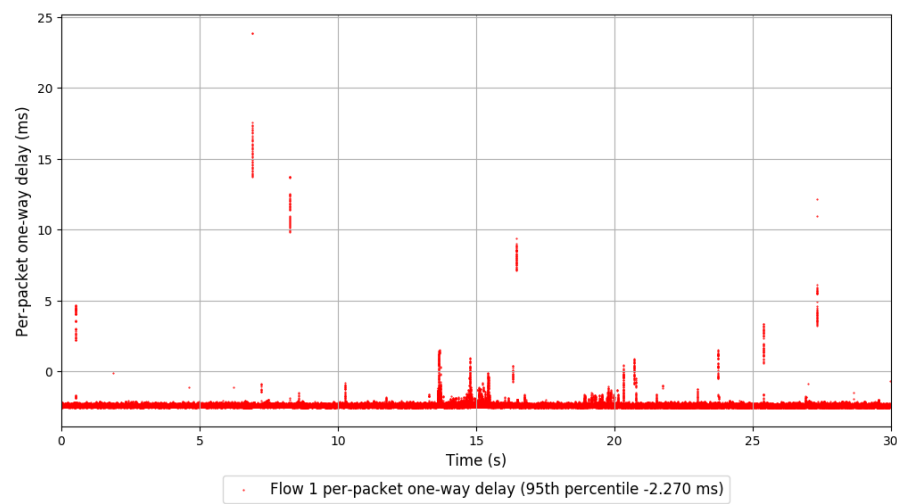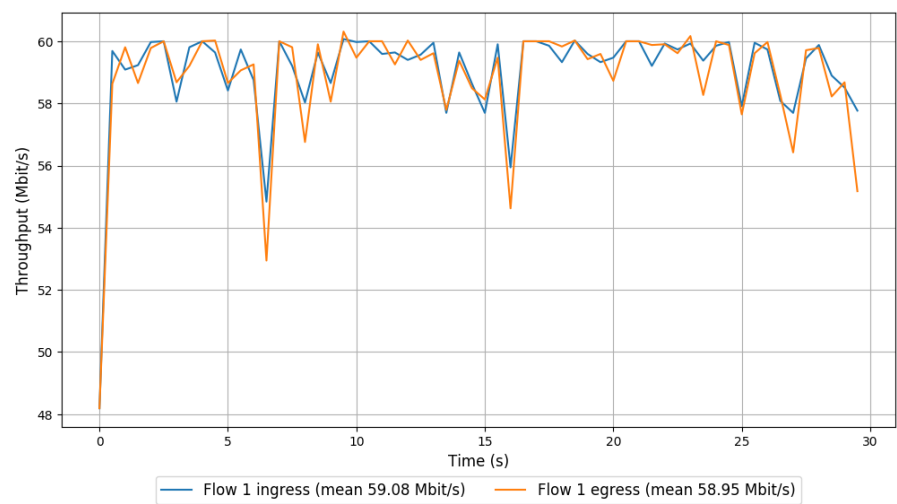
Run 8: Report of KohoCC — Data Link

Flow 1 ingress (mean 59.08 Mbit/s)   Flow 1 egress (mean 58.95 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.270 ms)
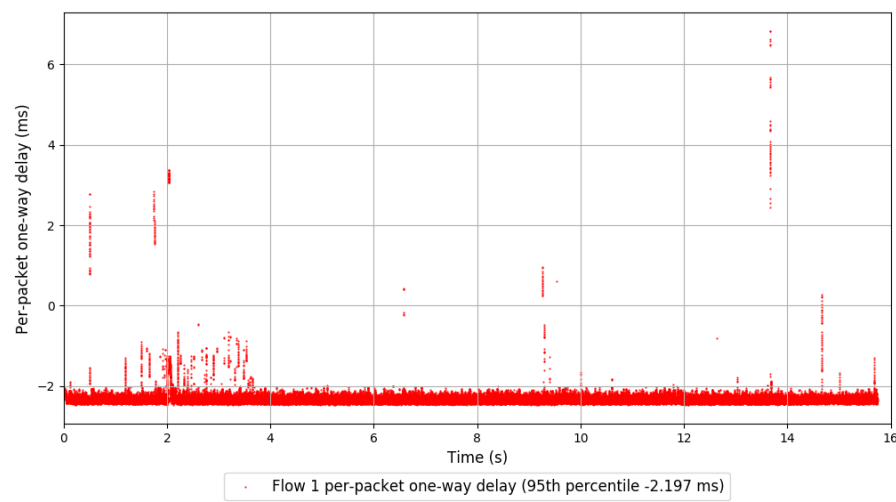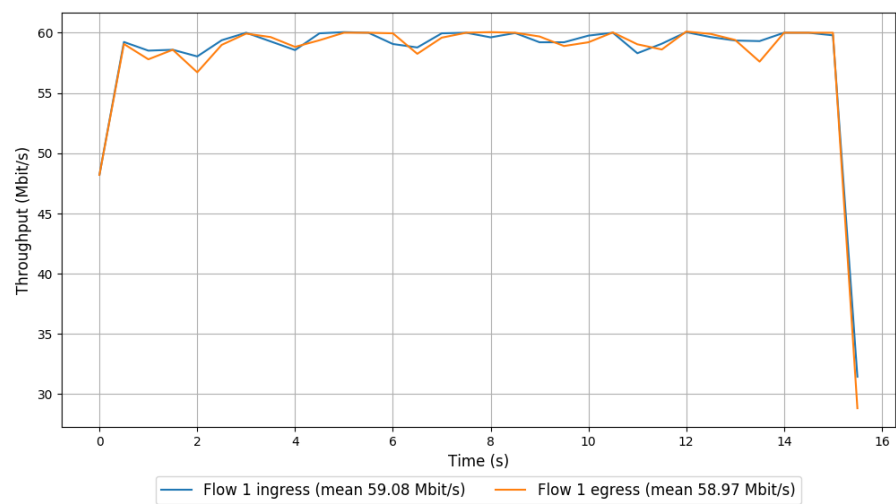
Run 9: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 13:09:29 +0000
End at: Wed, 05 Jul 2017 13:09:59 +0000
Local clock offset: 0.456 ms
Remote clock offset: -2.981 ms

Run 9: Report of KohoCC — Data Link

Flow 1 ingress (mean 59.08 Mbit/s)   Flow 1 egress (mean 58.97 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.197 ms)

```
Run 10: Statistics of KohoCC

Start at: Wed, 05 Jul 2017 13:28:47 +0000
End at: Wed, 05 Jul 2017 13:29:17 +0000
Local clock offset: 0.499 ms
Remote clock offset: -3.073 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:04:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.06 Mbit/s
95th percentile per-packet one-way delay: -2.271 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 59.06 Mbit/s
95th percentile per-packet one-way delay: -2.271 ms
Loss rate: 0.21%
```
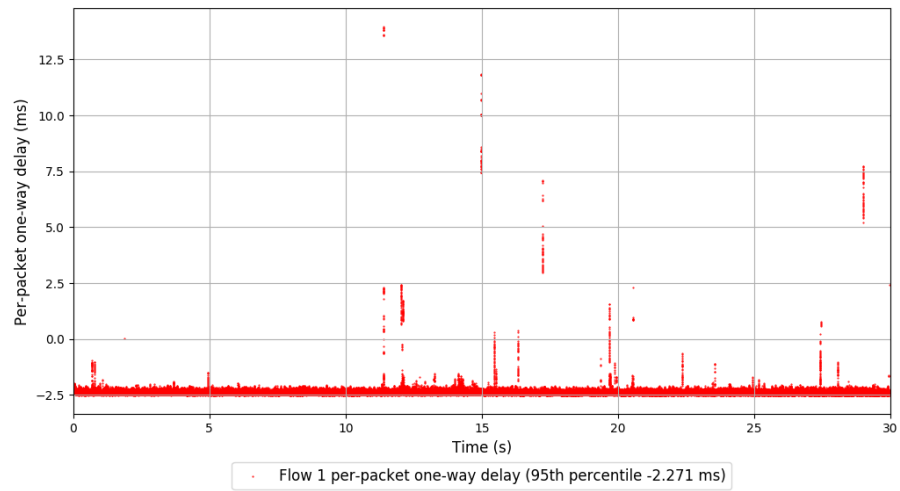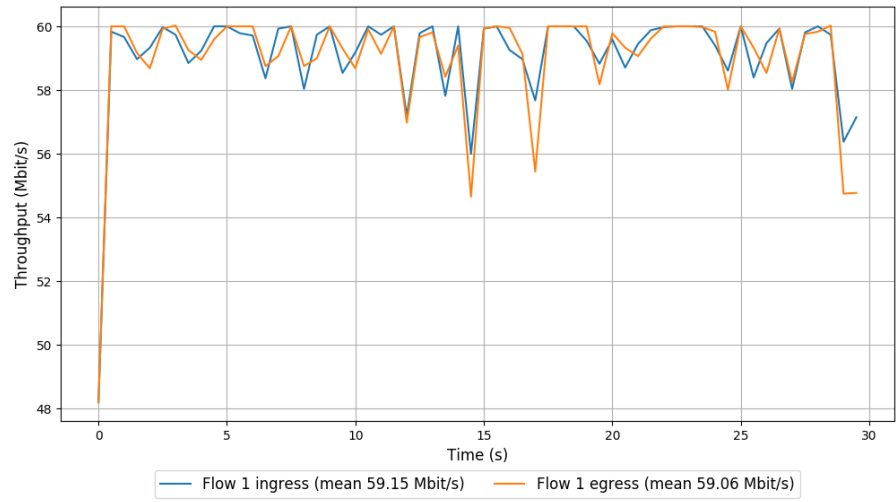
Run 10: Report of KohoCC — Data Link

Flow 1 ingress (mean 59.15 Mbit/s)   Flow 1 egress (mean 59.06 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.271 ms)

```
Run 1: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 10:39:51 +0000
End at: Wed, 05 Jul 2017 10:40:21 +0000
Local clock offset: 0.418 ms
Remote clock offset: -2.732 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:05:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.26 Mbit/s
95th percentile per-packet one-way delay: -1.762 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 76.26 Mbit/s
95th percentile per-packet one-way delay: -1.762 ms
Loss rate: 0.46%
```
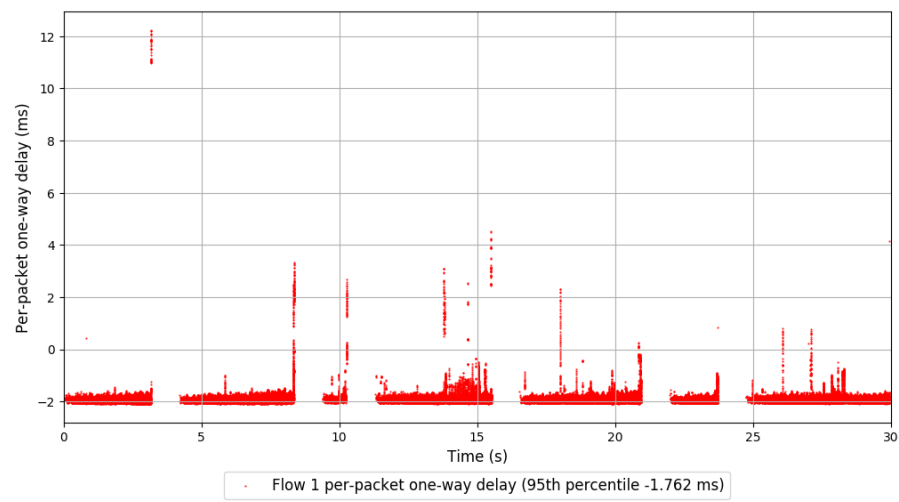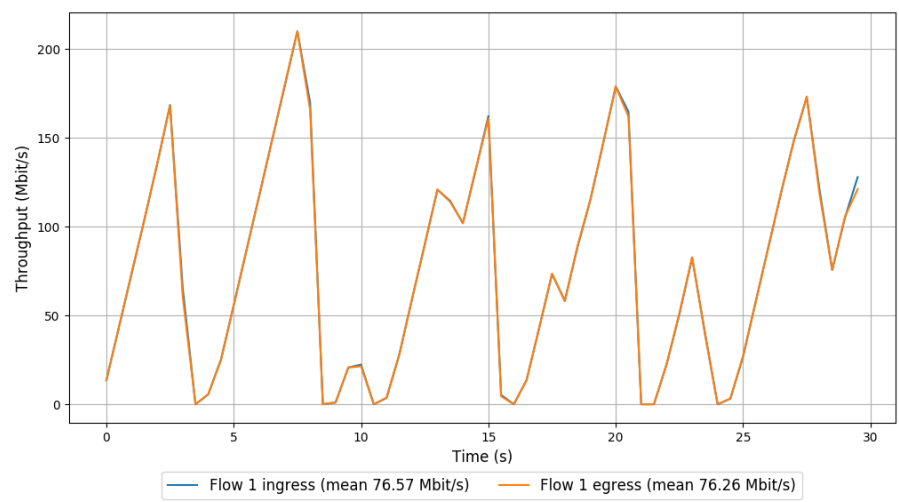
Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 10:59:18 +0000
End at: Wed, 05 Jul 2017 10:59:48 +0000
Local clock offset: 0.195 ms
Remote clock offset: -2.732 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:05:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: -1.632 ms
Loss rate: 5.74%
-- Flow 1:
Average throughput: 7.44 Mbit/s
95th percentile per-packet one-way delay: -1.632 ms
Loss rate: 5.74%
```
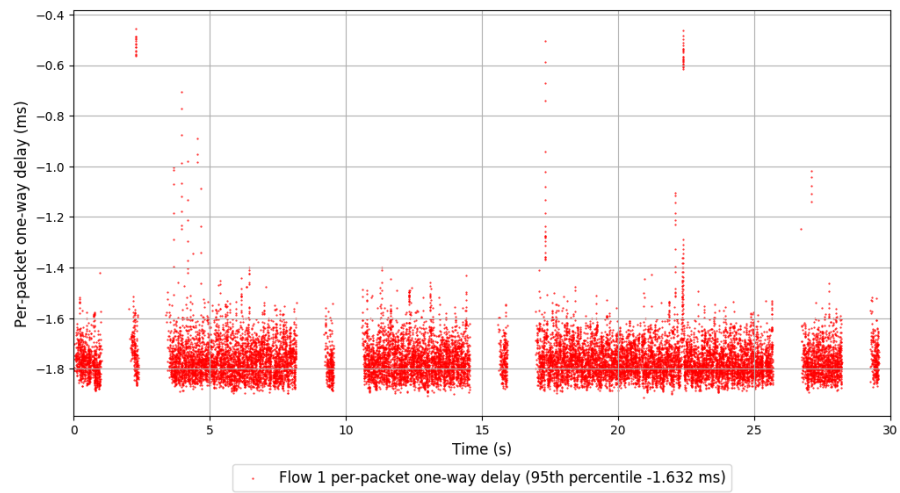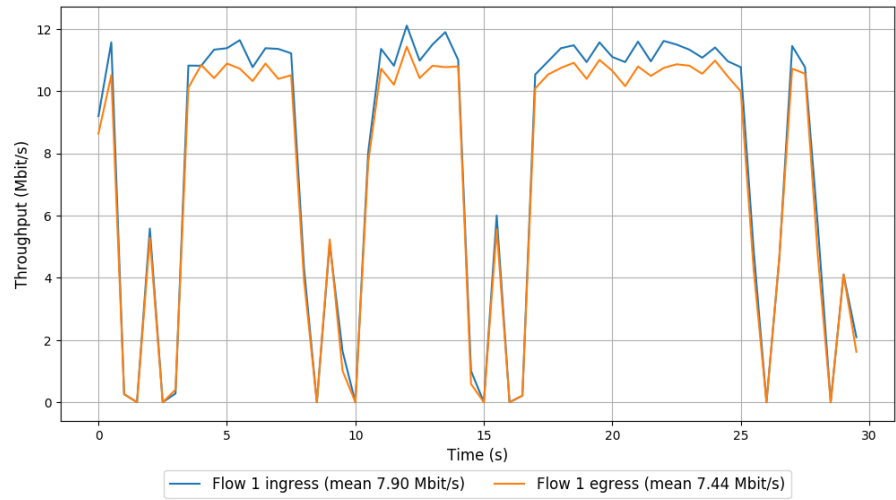
Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 7.90 Mbit/s)   Flow 1 egress (mean 7.44 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.632 ms)

```
Run 3: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 11:17:19 +0000
End at: Wed, 05 Jul 2017 11:17:49 +0000
Local clock offset: 0.121 ms
Remote clock offset: -3.064 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:05:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: -1.935 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 6.79 Mbit/s
95th percentile per-packet one-way delay: -1.935 ms
Loss rate: 5.98%
```
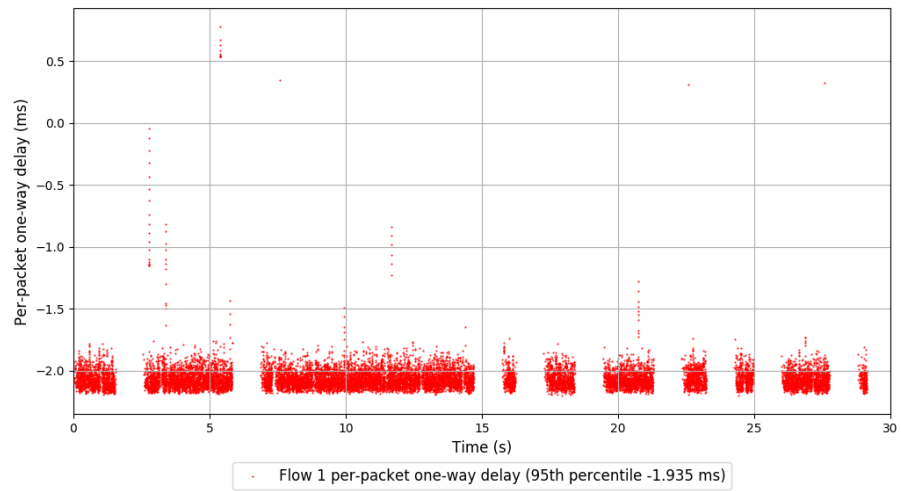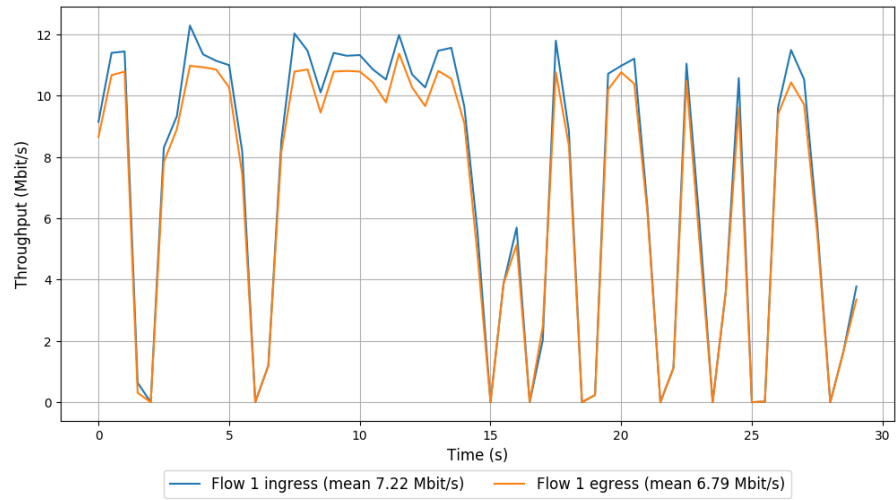
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 7.22 Mbit/s)   Flow 1 egress (mean 6.79 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.935 ms)

```
Run 4: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 11:36:48 +0000
End at: Wed, 05 Jul 2017 11:37:18 +0000
Local clock offset: 0.098 ms
Remote clock offset: -3.061 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:05:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.12 Mbit/s
95th percentile per-packet one-way delay: -1.776 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 67.12 Mbit/s
95th percentile per-packet one-way delay: -1.776 ms
Loss rate: 0.46%
```
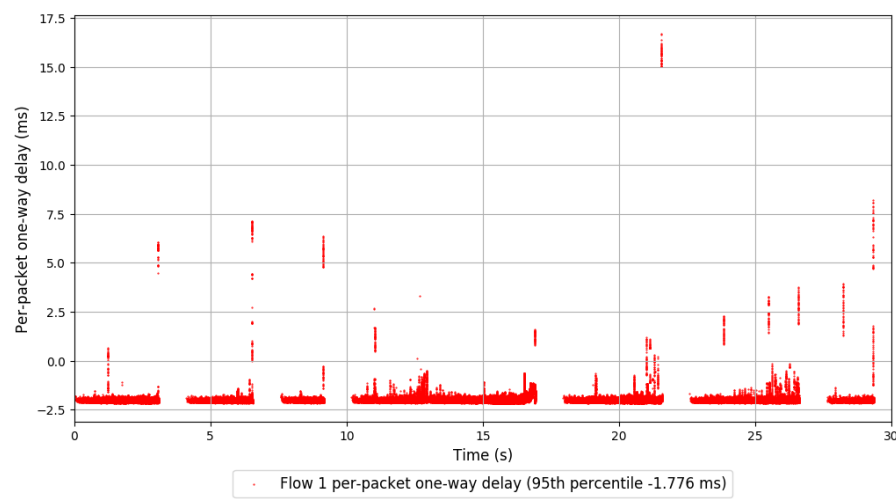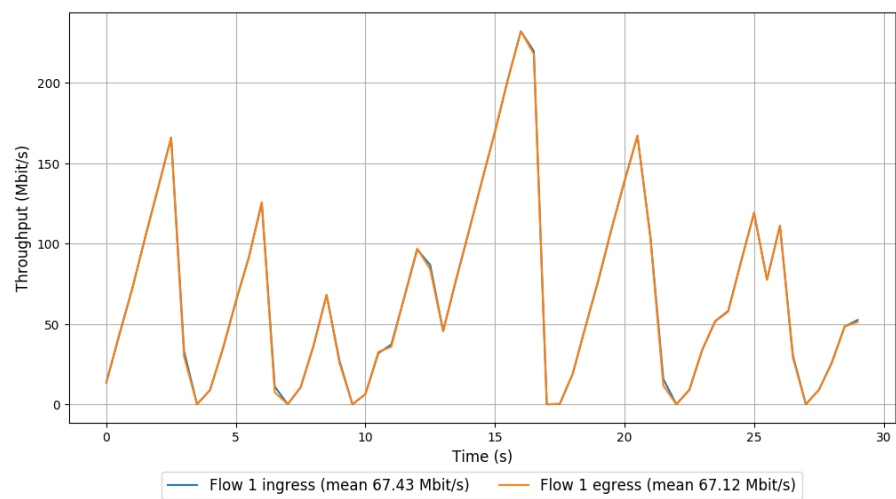
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 67.43 Mbit/s) —— Flow 1 egress (mean 67.12 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.776 ms)

```
Run 5: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 11:56:06 +0000
End at: Wed, 05 Jul 2017 11:56:36 +0000
Local clock offset: 0.047 ms
Remote clock offset: -2.885 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:05:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.40 Mbit/s
95th percentile per-packet one-way delay: -1.622 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 70.40 Mbit/s
95th percentile per-packet one-way delay: -1.622 ms
Loss rate: 0.44%
```
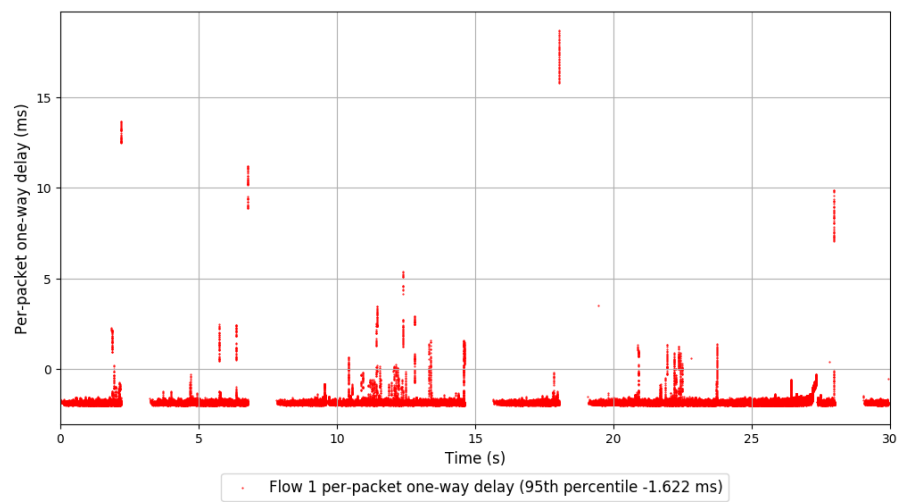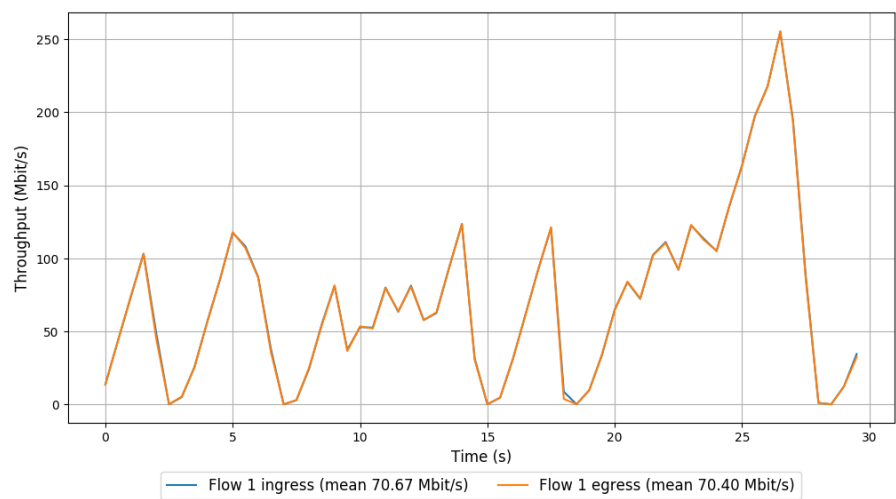
Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 70.67 Mbit/s)   Flow 1 egress (mean 70.40 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.622 ms)

```
Run 6: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 12:14:43 +0000
End at: Wed, 05 Jul 2017 12:15:13 +0000
Local clock offset: 0.015 ms
Remote clock offset: -2.907 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:05:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: -1.676 ms
Loss rate: 6.03%
-- Flow 1:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: -1.676 ms
Loss rate: 6.03%
```
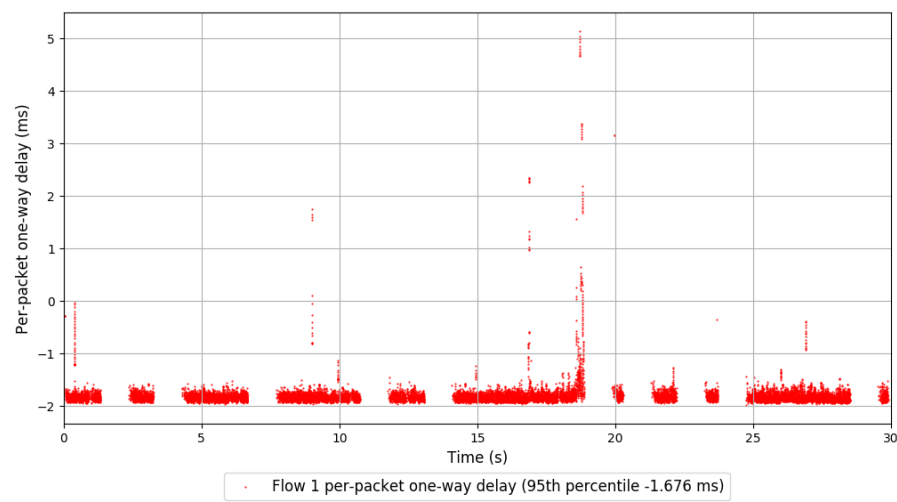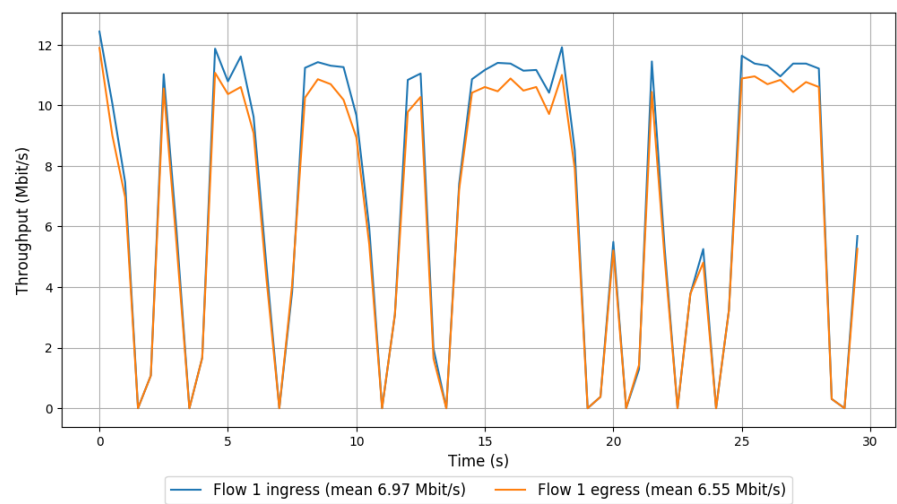
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 6.97 Mbit/s) — Flow 1 egress (mean 6.55 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.676 ms)

```
Run 7: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 12:32:45 +0000
End at: Wed, 05 Jul 2017 12:33:15 +0000
Local clock offset: 0.164 ms
Remote clock offset: -2.967 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:05:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: -1.779 ms
Loss rate: 5.95%
-- Flow 1:
Average throughput: 7.42 Mbit/s
95th percentile per-packet one-way delay: -1.779 ms
Loss rate: 5.95%
```
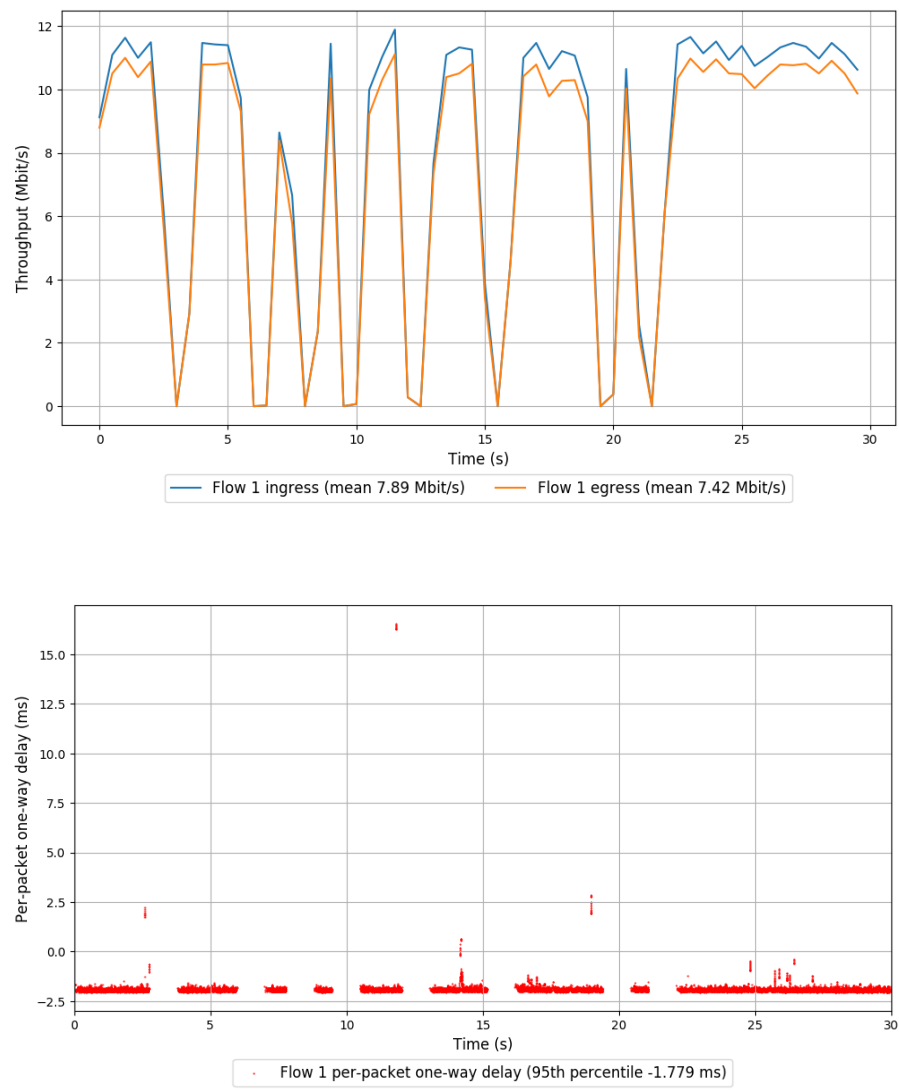
Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 7.89 Mbit/s)   Flow 1 egress (mean 7.42 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.779 ms)

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```
Run 8: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 12:52:10 +0000
End at: Wed, 05 Jul 2017 12:52:40 +0000
Local clock offset: 0.274 ms
Remote clock offset: -3.297 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:06:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.75 Mbit/s
95th percentile per-packet one-way delay: -2.340 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 78.75 Mbit/s
95th percentile per-packet one-way delay: -2.340 ms
Loss rate: 0.29%
```
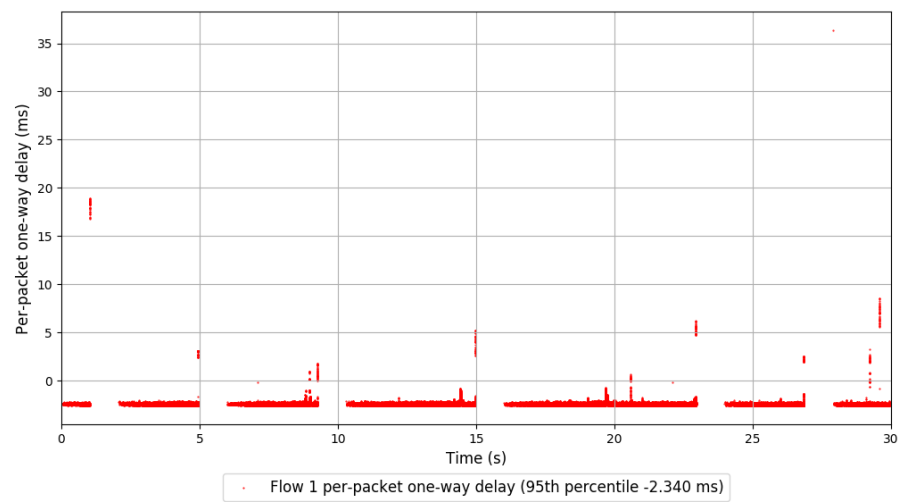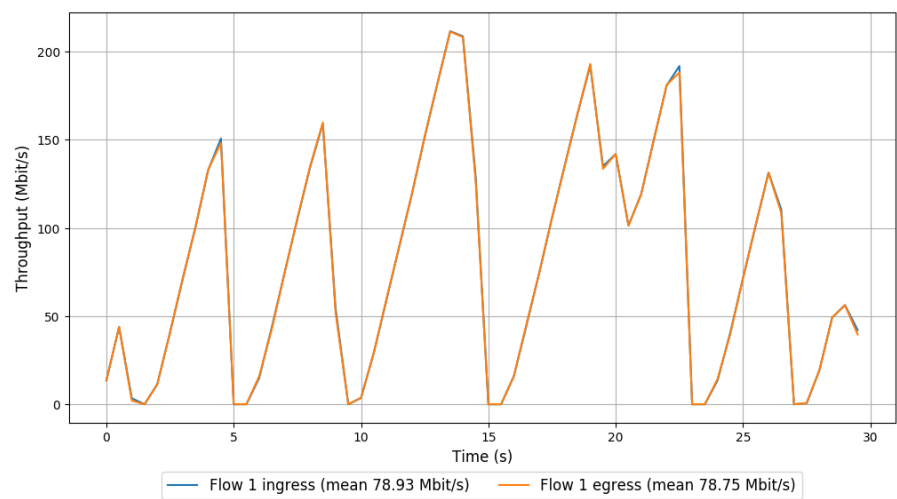
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 78.93 Mbit/s) — Flow 1 egress (mean 78.75 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.340 ms)

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```
Run 9: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 13:11:51 +0000
End at: Wed, 05 Jul 2017 13:12:21 +0000
Local clock offset: 0.479 ms
Remote clock offset: -3.052 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:06:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: -2.173 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: -2.173 ms
Loss rate: 0.64%
```
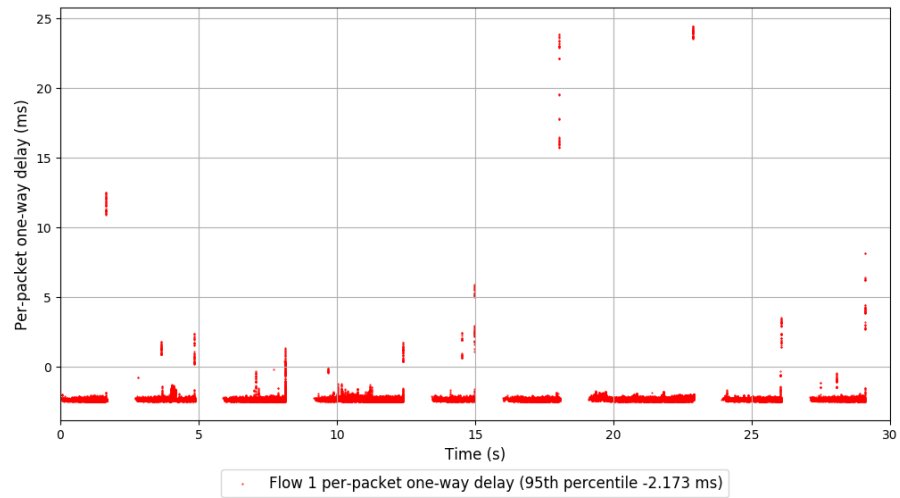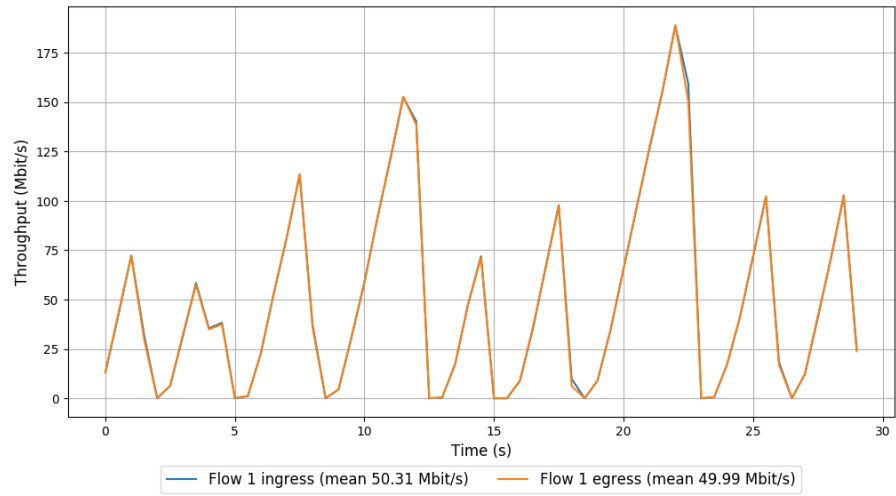
Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 50.31 Mbit/s)   Flow 1 egress (mean 49.99 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.173 ms)

```
Run 10: Statistics of LEDBAT

Start at: Wed, 05 Jul 2017 13:31:11 +0000
End at: Wed, 05 Jul 2017 13:31:41 +0000
Local clock offset: 0.493 ms
Remote clock offset: -3.119 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:06:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: -2.220 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: -2.220 ms
Loss rate: 0.28%
```
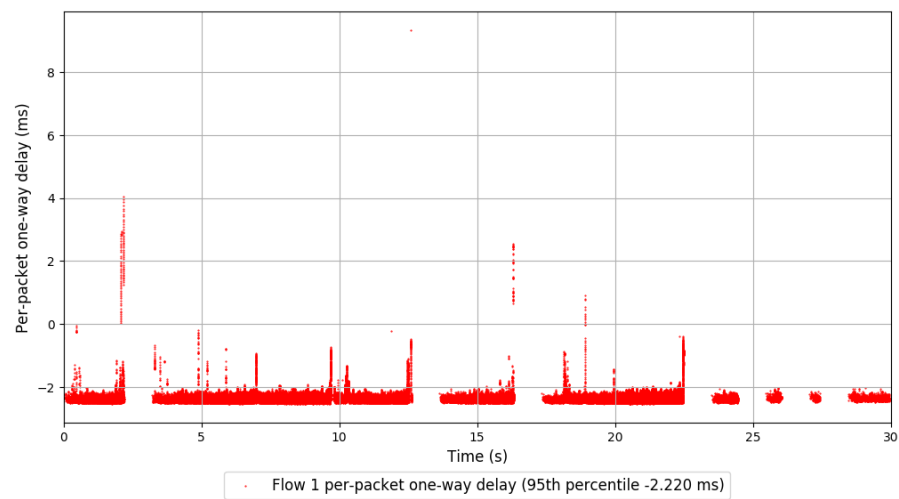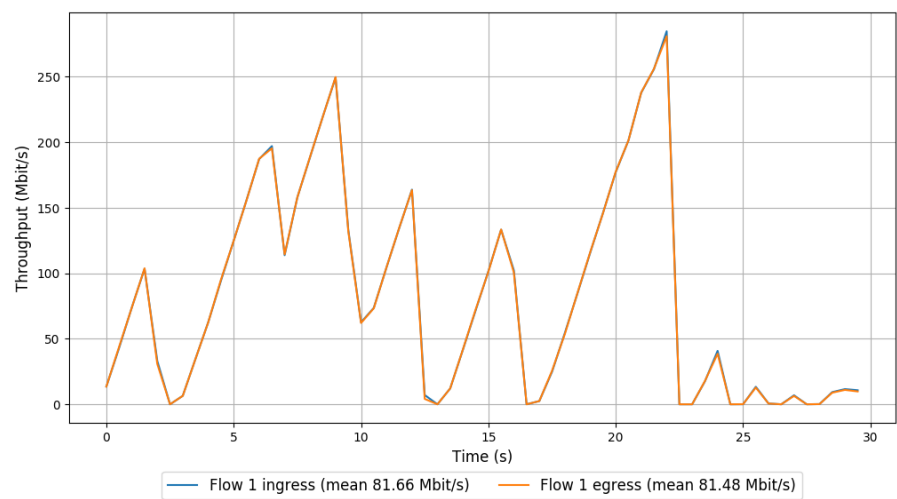
Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 81.66 Mbit/s) — Flow 1 egress (mean 81.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.220 ms)

```
Run 1: Statistics of PCC

Start at: Wed, 05 Jul 2017 10:35:56 +0000
End at: Wed, 05 Jul 2017 10:36:26 +0000
Local clock offset: 0.444 ms
Remote clock offset: -2.789 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:10:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 666.59 Mbit/s
95th percentile per-packet one-way delay: 6.140 ms
Loss rate: 3.60%
-- Flow 1:
Average throughput: 666.59 Mbit/s
95th percentile per-packet one-way delay: 6.140 ms
Loss rate: 3.60%
```
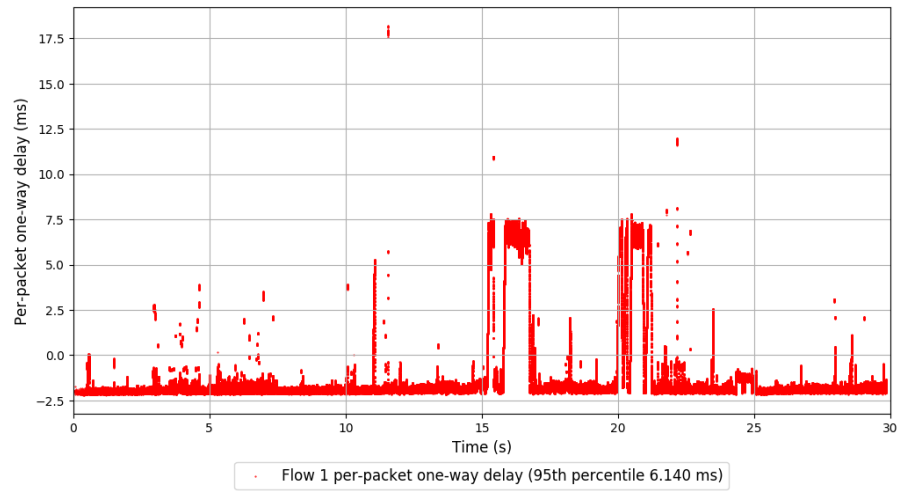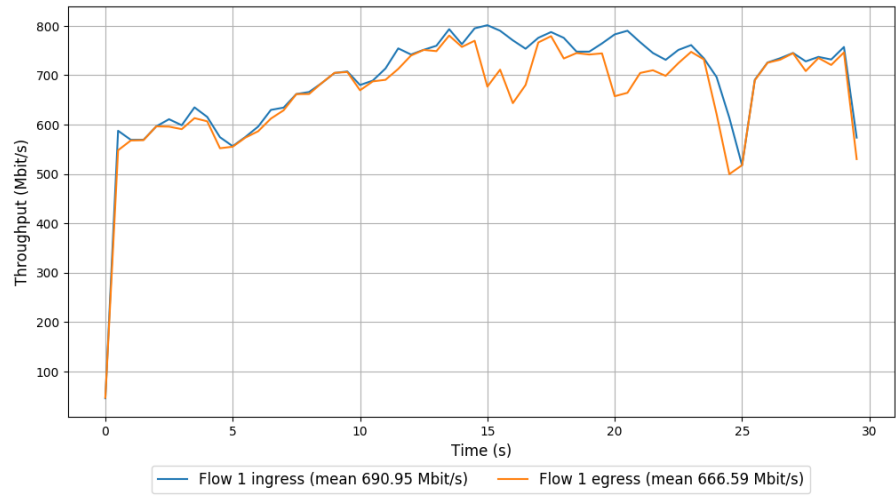
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 690.95 Mbit/s) —— Flow 1 egress (mean 666.59 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 6.140 ms)

```
Run 2: Statistics of PCC

Start at: Wed, 05 Jul 2017 10:55:27 +0000
End at: Wed, 05 Jul 2017 10:55:57 +0000
Local clock offset: 0.207 ms
Remote clock offset: -2.673 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:10:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.84 Mbit/s
95th percentile per-packet one-way delay: -0.938 ms
Loss rate: 14.39%
-- Flow 1:
Average throughput: 183.84 Mbit/s
95th percentile per-packet one-way delay: -0.938 ms
Loss rate: 14.39%
```
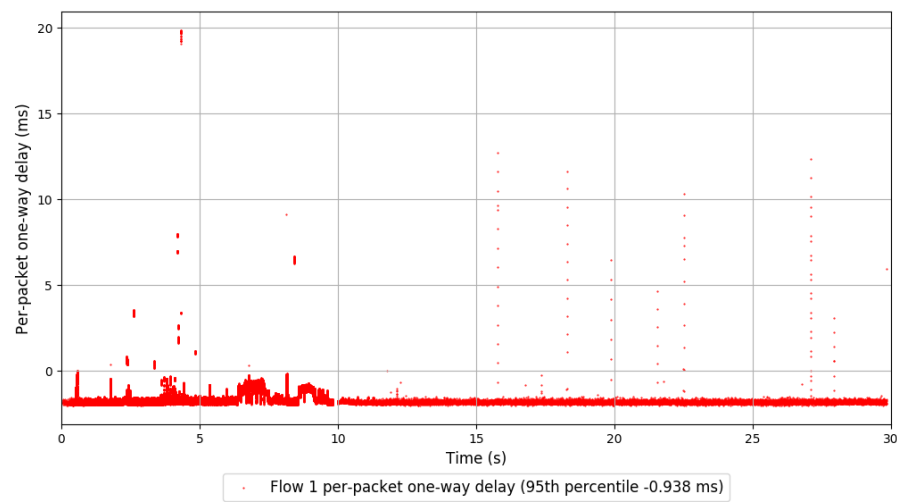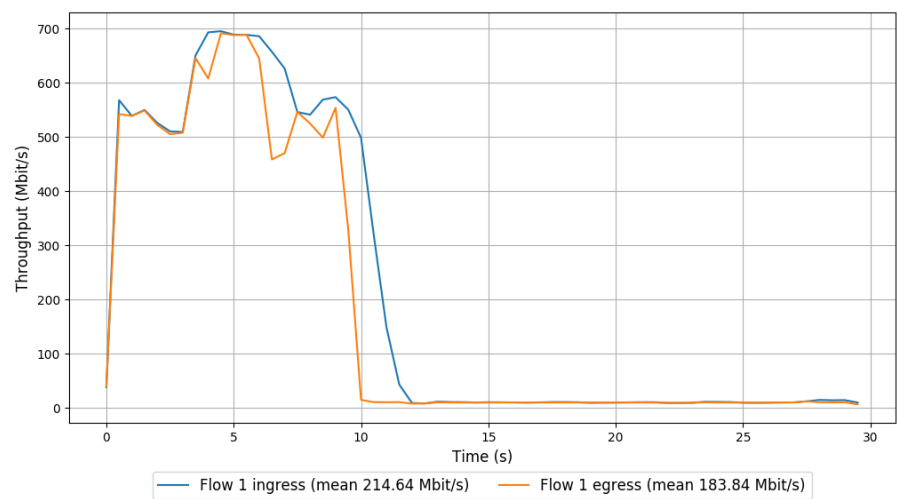
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 214.64 Mbit/s) ——— Flow 1 egress (mean 183.84 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile -0.938 ms)

```
Run 3: Statistics of PCC

Start at: Wed, 05 Jul 2017 11:13:44 +0000
End at: Wed, 05 Jul 2017 11:14:14 +0000
Local clock offset: 0.22 ms
Remote clock offset: -2.928 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:10:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: -1.858 ms
Loss rate: 40.18%
-- Flow 1:
Average throughput: 10.75 Mbit/s
95th percentile per-packet one-way delay: -1.858 ms
Loss rate: 40.18%
```
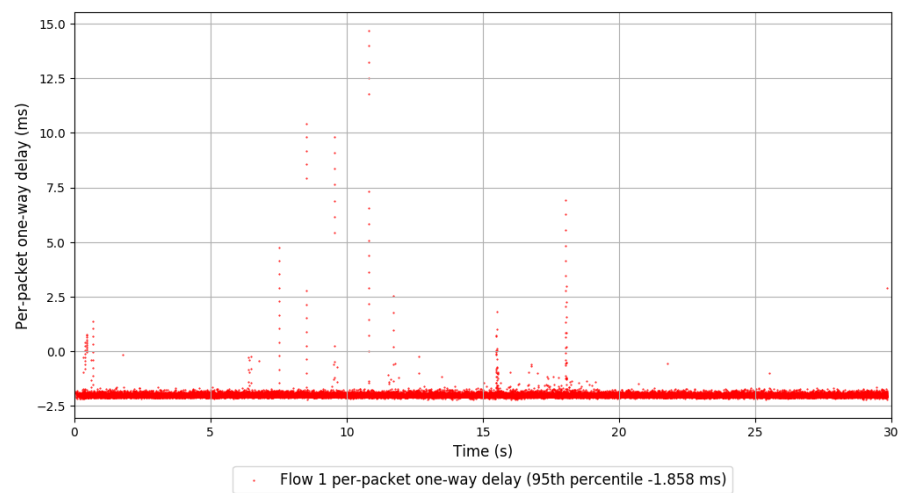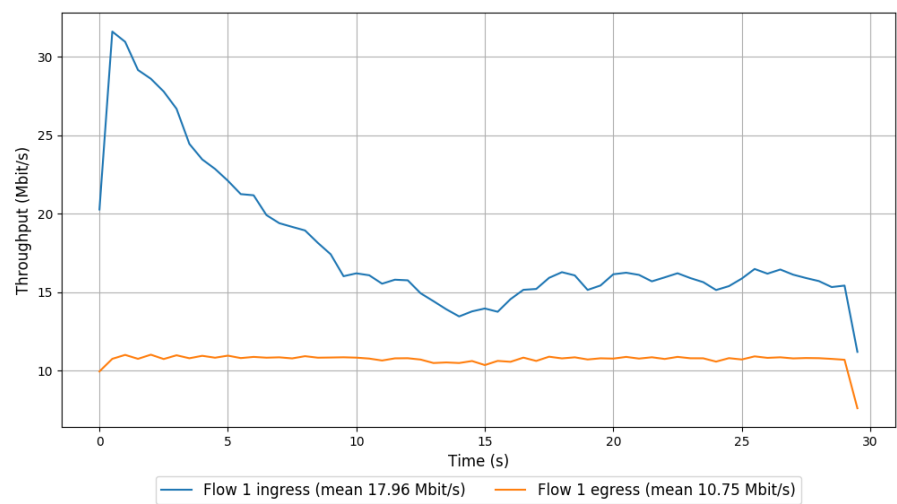
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 17.96 Mbit/s) — Flow 1 egress (mean 10.75 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.858 ms)

```
Run 4: Statistics of PCC

Start at: Wed, 05 Jul 2017 11:32:51 +0000
End at: Wed, 05 Jul 2017 11:33:21 +0000
Local clock offset: 0.186 ms
Remote clock offset: -3.102 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:13:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 672.50 Mbit/s
95th percentile per-packet one-way delay: 6.728 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 672.50 Mbit/s
95th percentile per-packet one-way delay: 6.728 ms
Loss rate: 4.44%
```
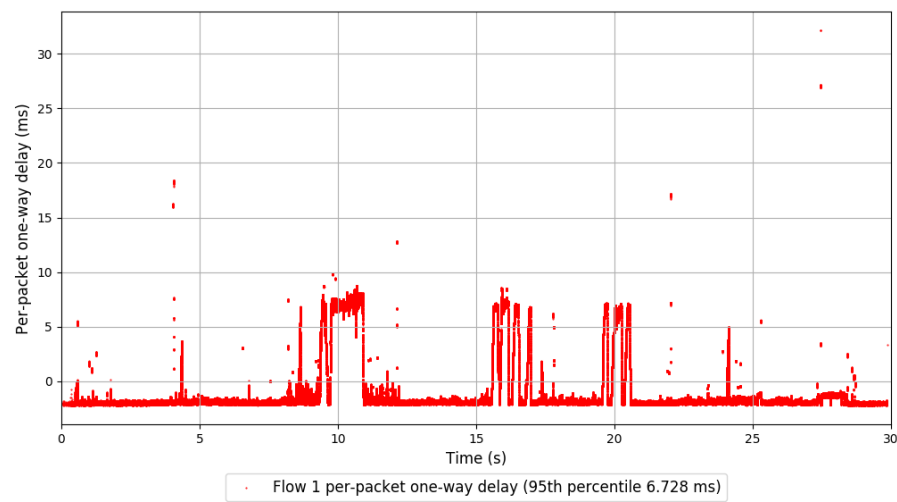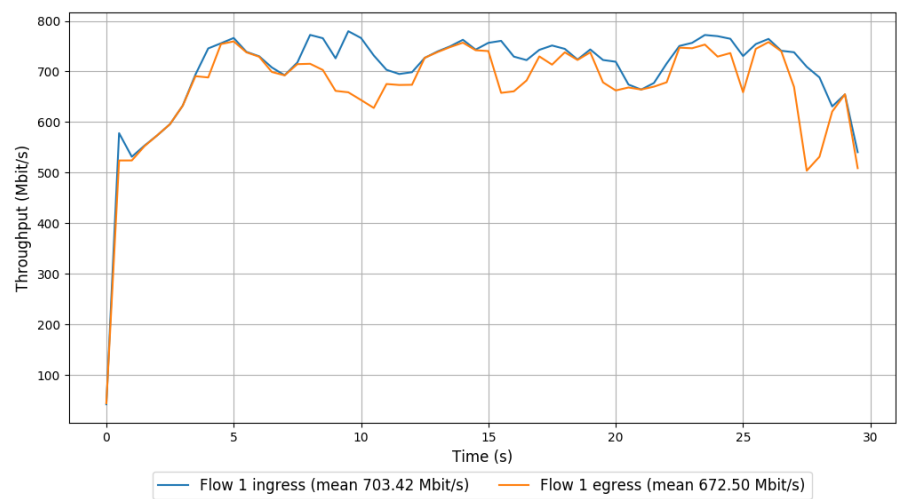
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 703.42 Mbit/s)　　Flow 1 egress (mean 672.50 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 6.728 ms)

```
Run 5: Statistics of PCC

Start at: Wed, 05 Jul 2017 11:52:12 +0000
End at: Wed, 05 Jul 2017 11:52:42 +0000
Local clock offset: 0.048 ms
Remote clock offset: -2.943 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:15:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 580.50 Mbit/s
95th percentile per-packet one-way delay: -1.052 ms
Loss rate: 6.22%
-- Flow 1:
Average throughput: 580.50 Mbit/s
95th percentile per-packet one-way delay: -1.052 ms
Loss rate: 6.22%
```
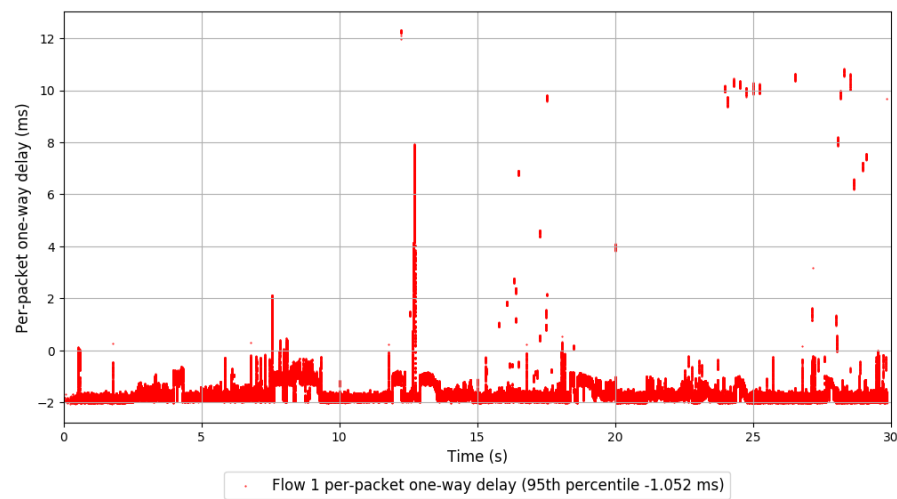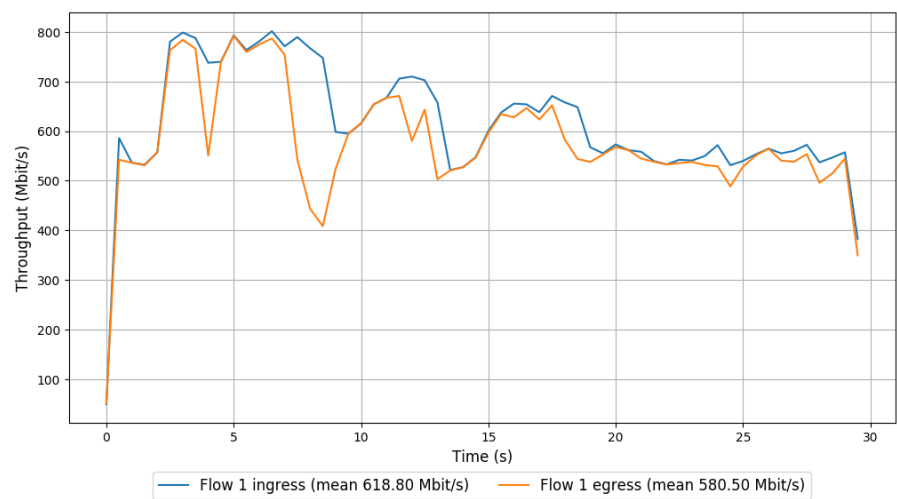
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 618.80 Mbit/s) —— Flow 1 egress (mean 580.50 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile -1.052 ms)

133

```
Run 6: Statistics of PCC

Start at: Wed, 05 Jul 2017 12:11:08 +0000
End at: Wed, 05 Jul 2017 12:11:39 +0000
Local clock offset: 0.099 ms
Remote clock offset: -2.888 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:15:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: -1.636 ms
Loss rate: 4.47%
-- Flow 1:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: -1.636 ms
Loss rate: 4.47%
```
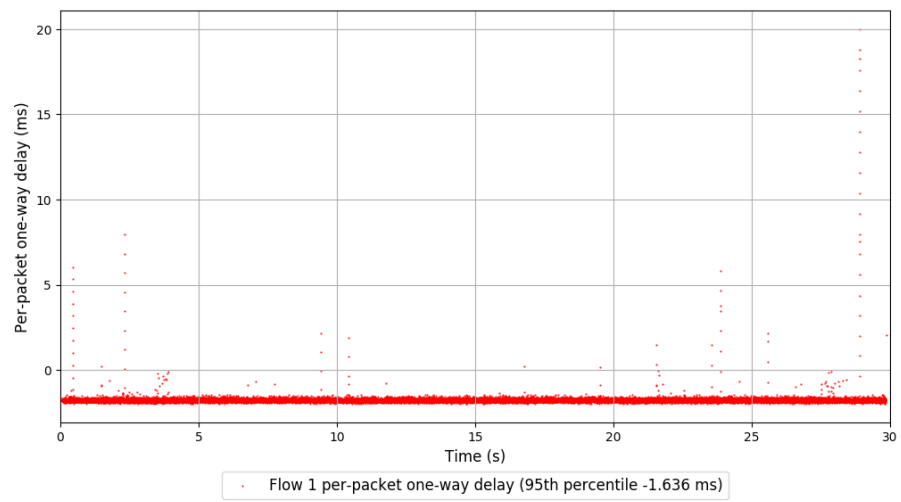
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 10.43 Mbit/s) ——— Flow 1 egress (mean 9.97 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.636 ms)

```
Run 7: Statistics of PCC

Start at: Wed, 05 Jul 2017 12:29:11 +0000
End at: Wed, 05 Jul 2017 12:29:41 +0000
Local clock offset: 0.091 ms
Remote clock offset: -2.943 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:15:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: -1.796 ms
Loss rate: 6.65%
-- Flow 1:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: -1.796 ms
Loss rate: 6.65%
```
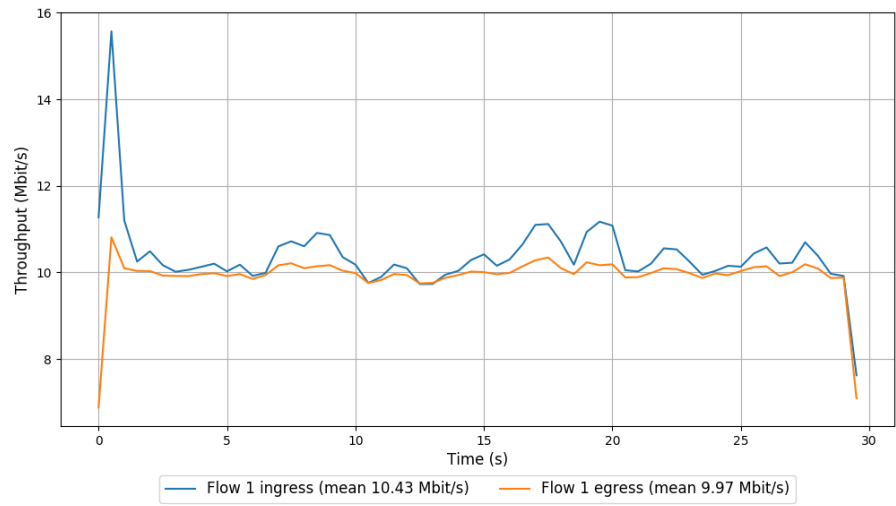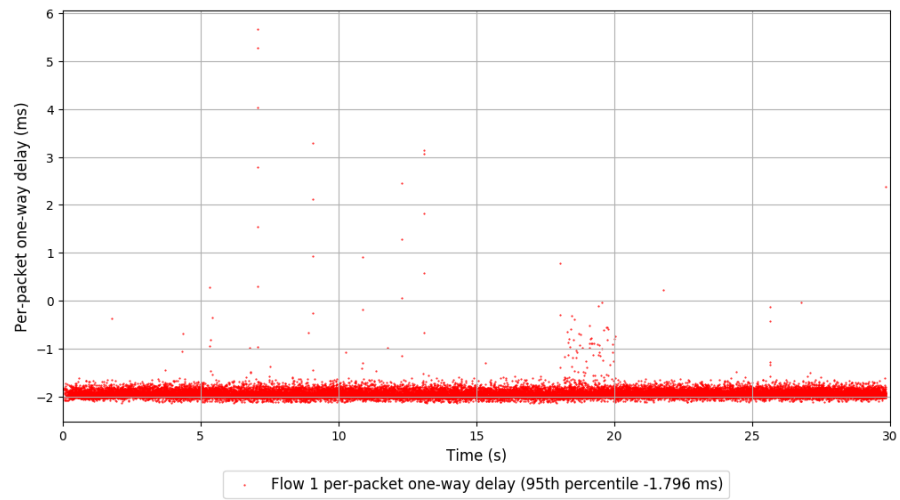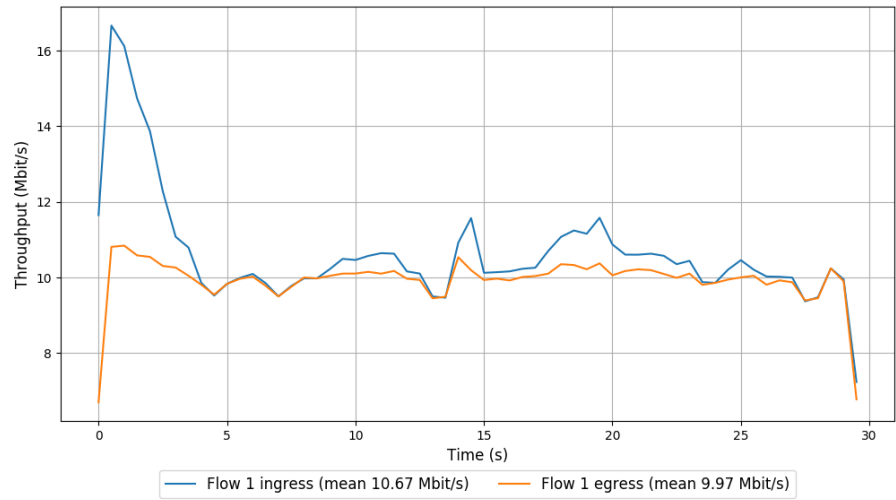
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 10.67 Mbit/s) —— Flow 1 egress (mean 9.97 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile -1.796 ms)

```
Run 8: Statistics of PCC

Start at: Wed, 05 Jul 2017 12:48:15 +0000
End at: Wed, 05 Jul 2017 12:48:45 +0000
Local clock offset: 0.304 ms
Remote clock offset: -3.202 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:17:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 599.87 Mbit/s
95th percentile per-packet one-way delay: -1.512 ms
Loss rate: 3.70%
-- Flow 1:
Average throughput: 599.87 Mbit/s
95th percentile per-packet one-way delay: -1.512 ms
Loss rate: 3.70%
```
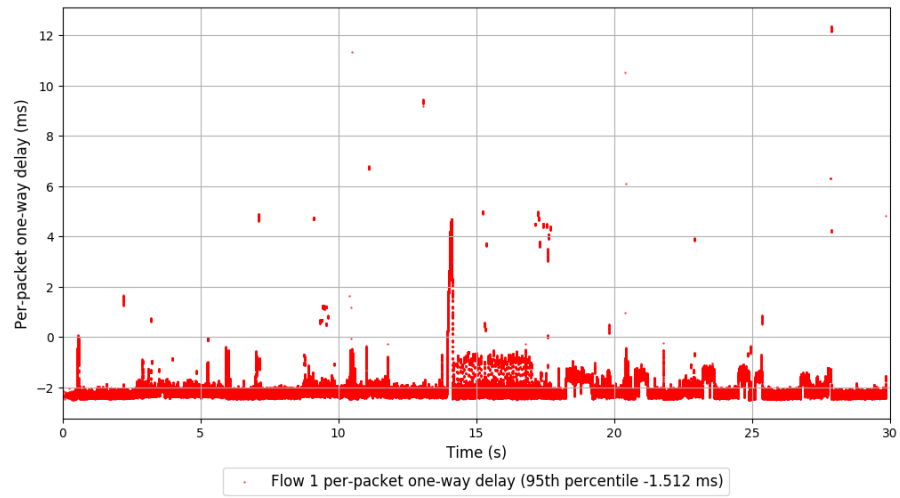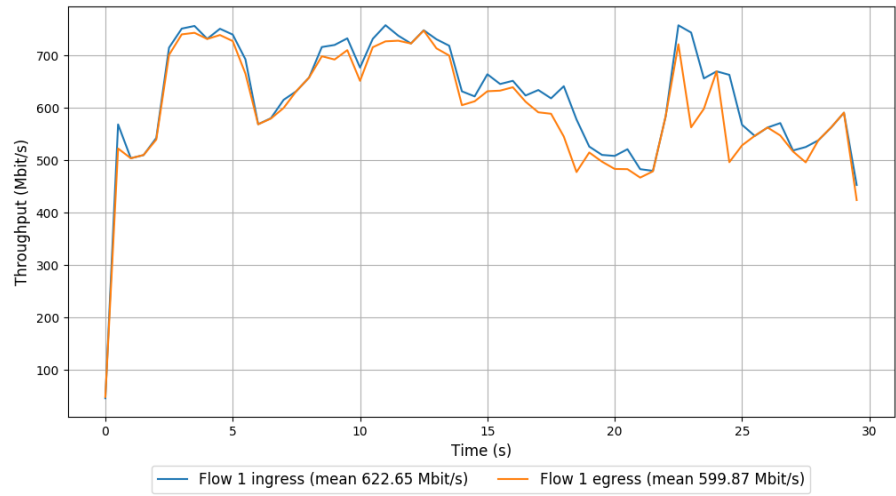
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 622.65 Mbit/s)　　Flow 1 egress (mean 599.87 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.512 ms)

139

```
Run 9: Statistics of PCC

Start at: Wed, 05 Jul 2017 13:07:57 +0000
End at: Wed, 05 Jul 2017 13:08:27 +0000
Local clock offset: 0.359 ms
Remote clock offset: -3.035 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:20:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 632.19 Mbit/s
95th percentile per-packet one-way delay: 3.966 ms
Loss rate: 5.88%
-- Flow 1:
Average throughput: 632.19 Mbit/s
95th percentile per-packet one-way delay: 3.966 ms
Loss rate: 5.88%
```
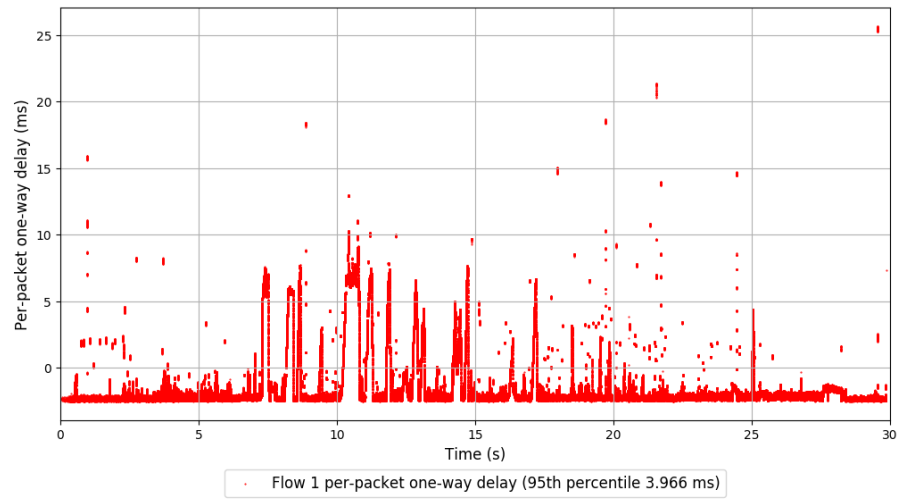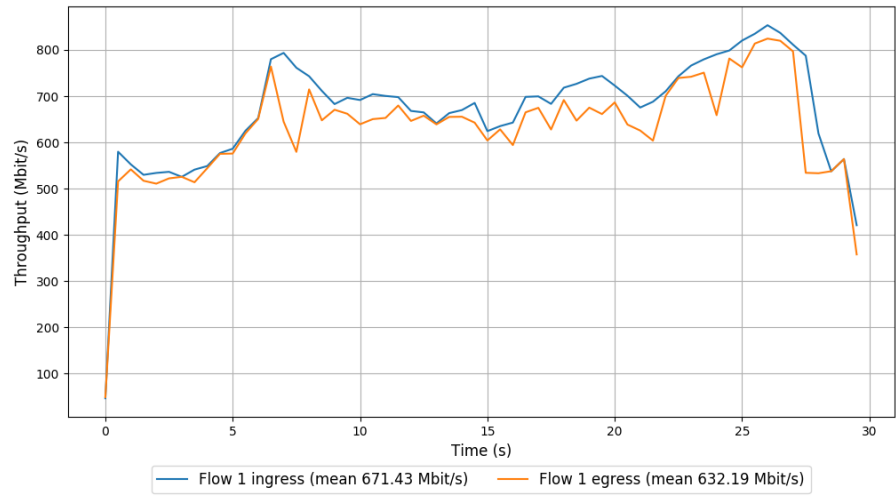
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 671.43 Mbit/s)   Flow 1 egress (mean 632.19 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 3.966 ms)

```
Run 10: Statistics of PCC

Start at: Wed, 05 Jul 2017 13:27:16 +0000
End at: Wed, 05 Jul 2017 13:27:46 +0000
Local clock offset: 0.374 ms
Remote clock offset: -3.049 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:23:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 611.89 Mbit/s
95th percentile per-packet one-way delay: -1.581 ms
Loss rate: 3.75%
-- Flow 1:
Average throughput: 611.89 Mbit/s
95th percentile per-packet one-way delay: -1.581 ms
Loss rate: 3.75%
```
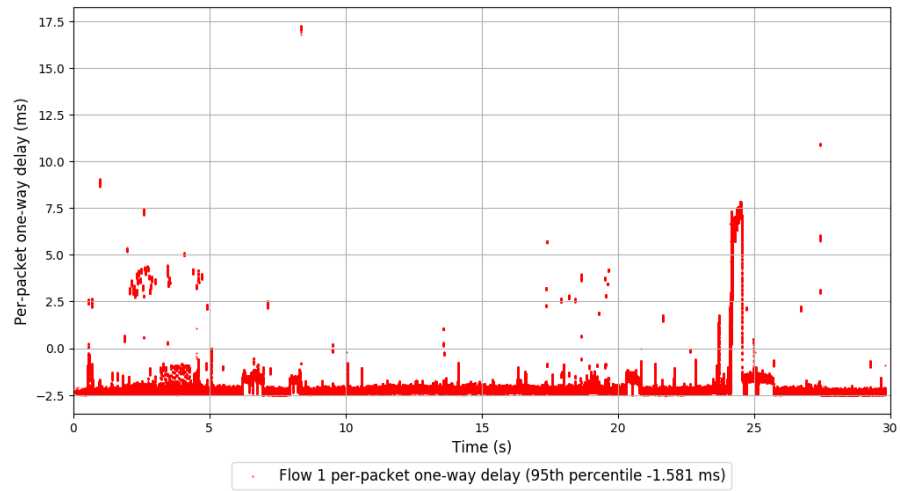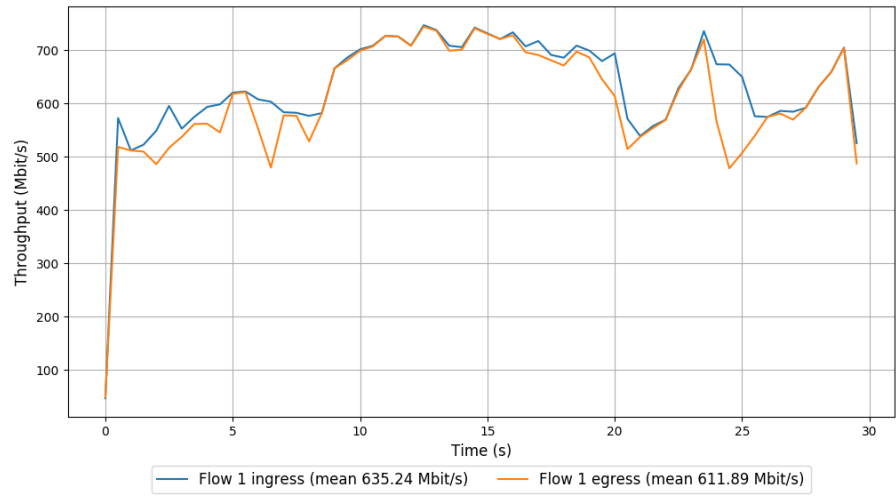
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 635.24 Mbit/s)   Flow 1 egress (mean 611.89 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.581 ms)

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Run 1: Statistics of QUIC Cubic

Start at: Wed, 05 Jul 2017 10:48:48 +0000
End at: Wed, 05 Jul 2017 10:49:18 +0000
Local clock offset: 0.334 ms
Remote clock offset: -2.728 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 11:07:49 +0000
End at: Wed, 05 Jul 2017 11:08:19 +0000
Local clock offset: 0.23 ms
Remote clock offset: -2.846 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 11:25:58 +0000
End at: Wed, 05 Jul 2017 11:26:28 +0000
Local clock offset: 0.12 ms
Remote clock offset: -3.232 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 11:45:44 +0000
End at: Wed, 05 Jul 2017 11:46:14 +0000
Local clock offset: 0.082 ms
Remote clock offset: -2.93 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 12:05:02 +0000
End at: Wed, 05 Jul 2017 12:05:32 +0000
Local clock offset: 0.073 ms
Remote clock offset: -2.814 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 12:23:16 +0000
End at: Wed, 05 Jul 2017 12:23:46 +0000
Local clock offset: 0.177 ms
Remote clock offset: -2.851 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 12:41:42 +0000
End at: Wed, 05 Jul 2017 12:42:13 +0000
Local clock offset: 0.112 ms
Remote clock offset: -3.045 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 13:01:05 +0000
End at: Wed, 05 Jul 2017 13:01:35 +0000
Local clock offset: 0.461 ms
Remote clock offset: -3.085 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 13:20:46 +0000
End at: Wed, 05 Jul 2017 13:21:16 +0000
Local clock offset: 0.326 ms
Remote clock offset: -2.834 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 13:39:54 +0000
End at: Wed, 05 Jul 2017 13:40:24 +0000
Local clock offset: 0.481 ms
Remote clock offset: -3.209 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 10:44:46 +0000
End at: Wed, 05 Jul 2017 10:45:16 +0000
Local clock offset: 0.37 ms
Remote clock offset: -2.632 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:23:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.46 Mbit/s
95th percentile per-packet one-way delay: -1.701 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 118.46 Mbit/s
95th percentile per-packet one-way delay: -1.701 ms
Loss rate: 0.40%
```
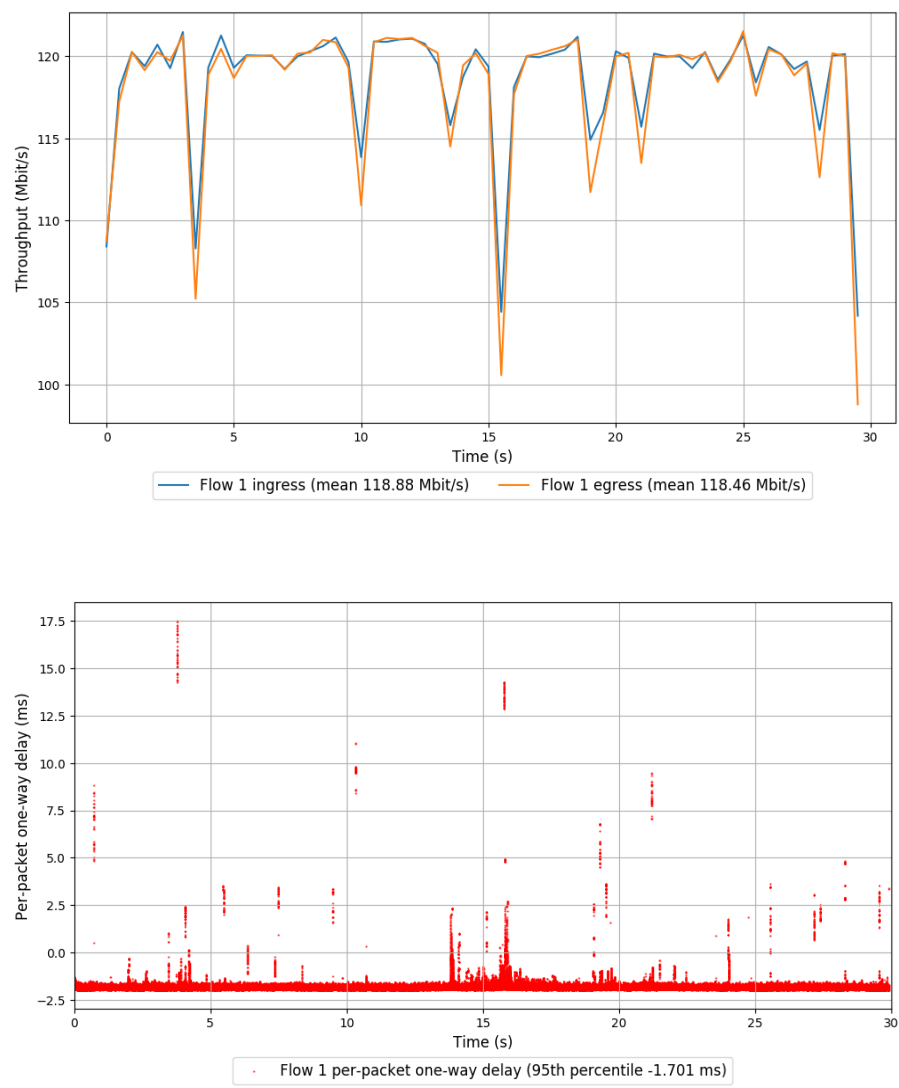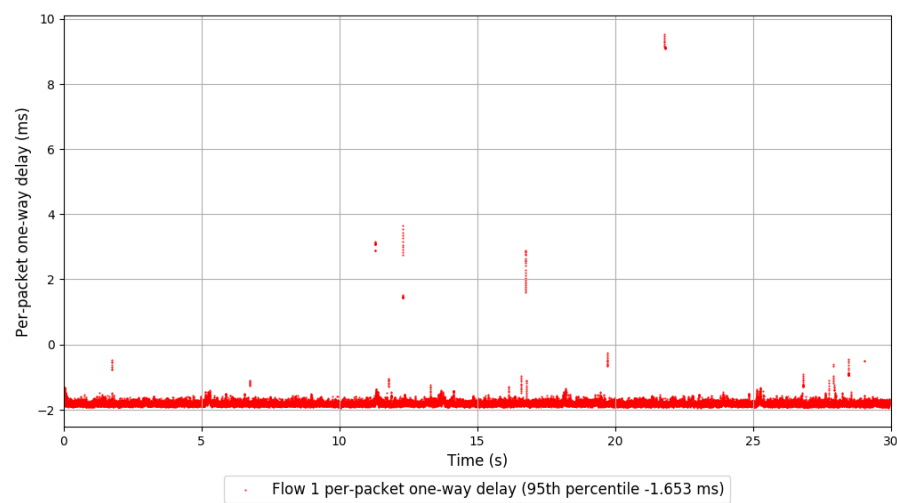
Run 1: Report of Saturator — Data Link

Flow 1 ingress (mean 118.88 Mbit/s)　　Flow 1 egress (mean 118.46 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.701 ms)

```
Run 2: Statistics of Saturator

Start at: Wed, 05 Jul 2017 11:04:10 +0000
End at: Wed, 05 Jul 2017 11:04:40 +0000
Local clock offset: 0.254 ms
Remote clock offset: -2.706 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:23:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: -1.653 ms
Loss rate: 49.94%
-- Flow 1:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: -1.653 ms
Loss rate: 49.94%
```
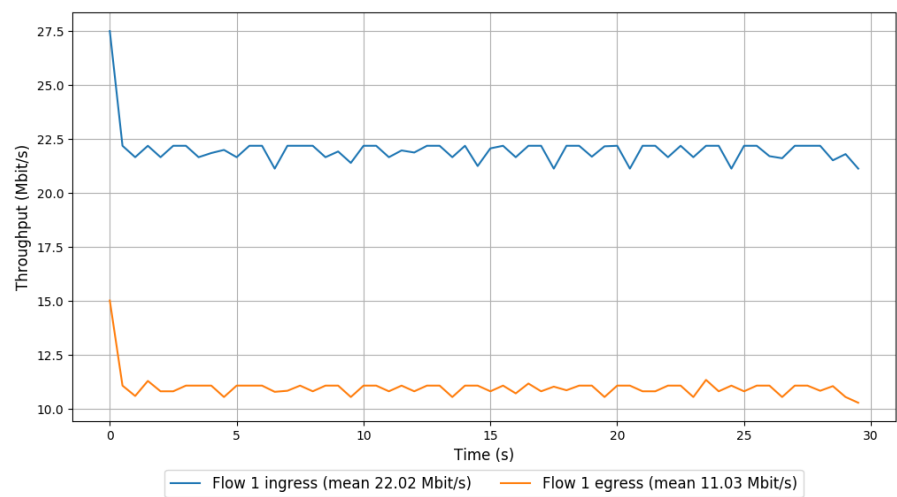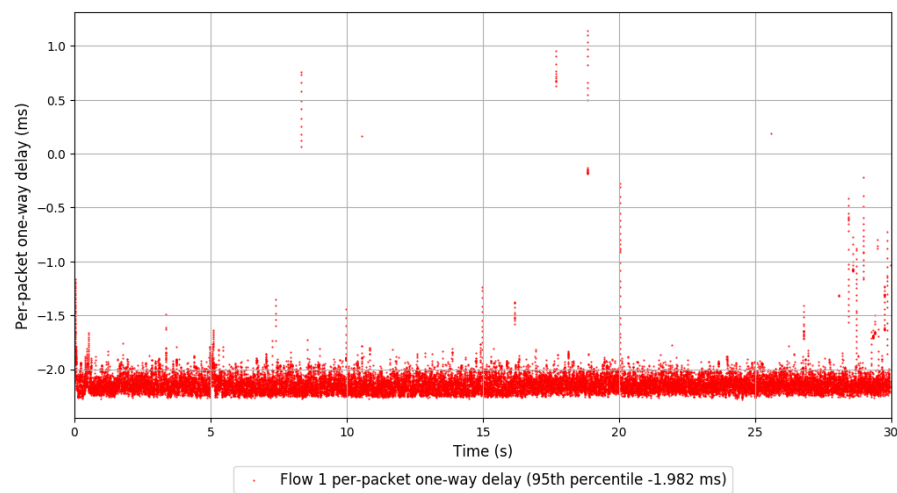
Run 2: Report of Saturator — Data Link

Flow 1 ingress (mean 22.02 Mbit/s) — Flow 1 egress (mean 11.03 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.653 ms)

```
Run 3: Statistics of Saturator

Start at: Wed, 05 Jul 2017 11:22:10 +0000
End at: Wed, 05 Jul 2017 11:22:40 +0000
Local clock offset: 0.096 ms
Remote clock offset: -3.132 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:23:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: -1.982 ms
Loss rate: 50.02%
-- Flow 1:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: -1.982 ms
Loss rate: 50.02%
```
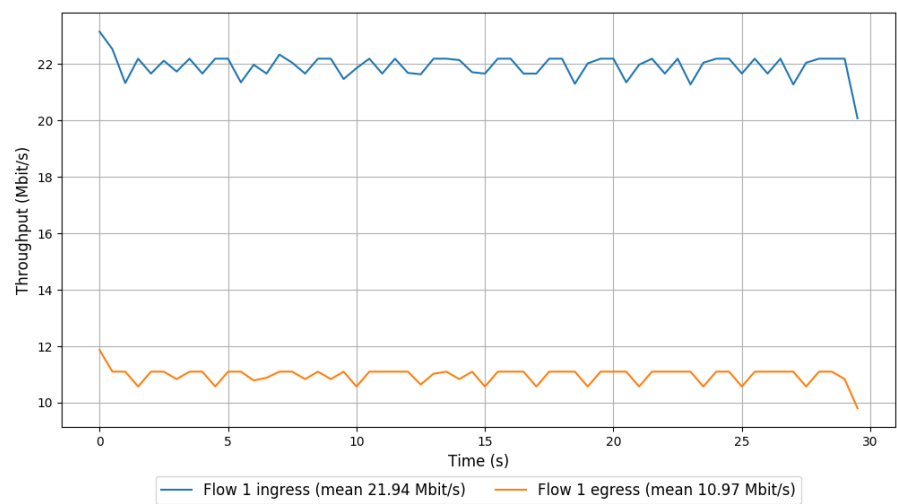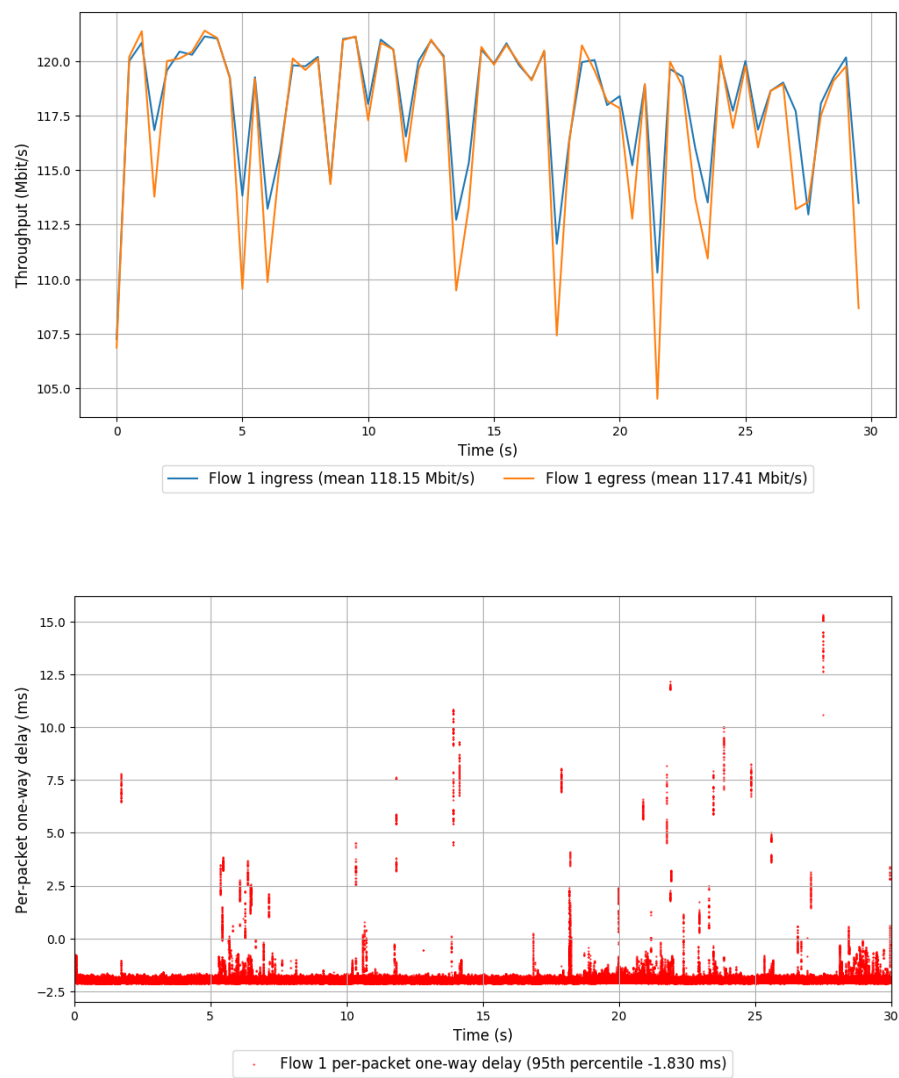
Run 3: Report of Saturator — Data Link

Flow 1 ingress (mean 21.94 Mbit/s) ——— Flow 1 egress (mean 10.97 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.982 ms)

```
Run 4: Statistics of Saturator

Start at: Wed, 05 Jul 2017 11:41:41 +0000
End at: Wed, 05 Jul 2017 11:42:11 +0000
Local clock offset: 0.08 ms
Remote clock offset: -2.995 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:23:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 117.41 Mbit/s
95th percentile per-packet one-way delay: -1.830 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 117.41 Mbit/s
95th percentile per-packet one-way delay: -1.830 ms
Loss rate: 0.66%
```
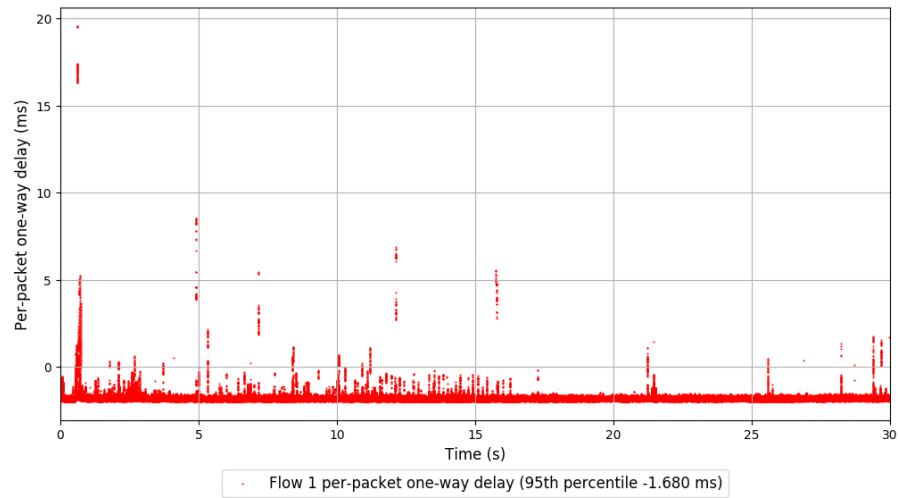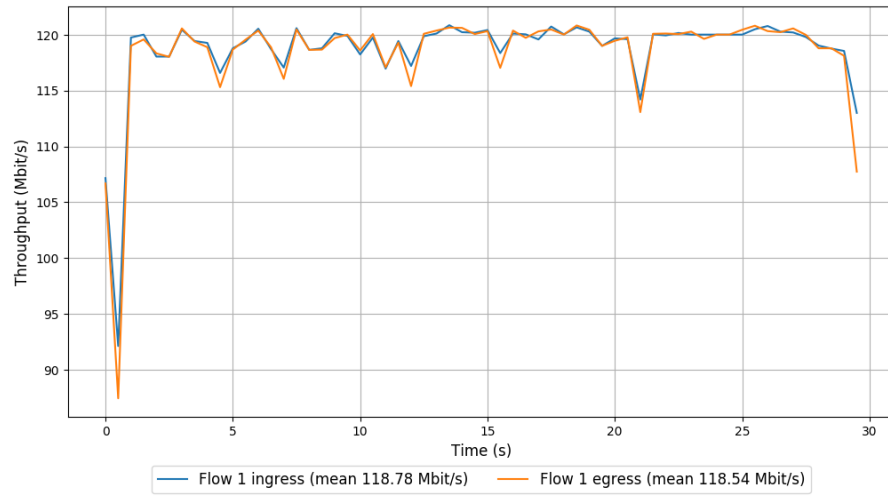
Run 4: Report of Saturator — Data Link

```
Run 5: Statistics of Saturator

Start at: Wed, 05 Jul 2017 12:00:59 +0000
End at: Wed, 05 Jul 2017 12:01:29 +0000
Local clock offset: 0.035 ms
Remote clock offset: -2.865 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:23:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.54 Mbit/s
95th percentile per-packet one-way delay: -1.680 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 118.54 Mbit/s
95th percentile per-packet one-way delay: -1.680 ms
Loss rate: 0.24%
```

Run 5: Report of Saturator — Data Link

```
Run 6: Statistics of Saturator

Start at: Wed, 05 Jul 2017 12:19:38 +0000
End at: Wed, 05 Jul 2017 12:20:08 +0000
Local clock offset: 0.155 ms
Remote clock offset: -2.893 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:23:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: -1.711 ms
Loss rate: 49.94%
-- Flow 1:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: -1.711 ms
Loss rate: 49.94%
```
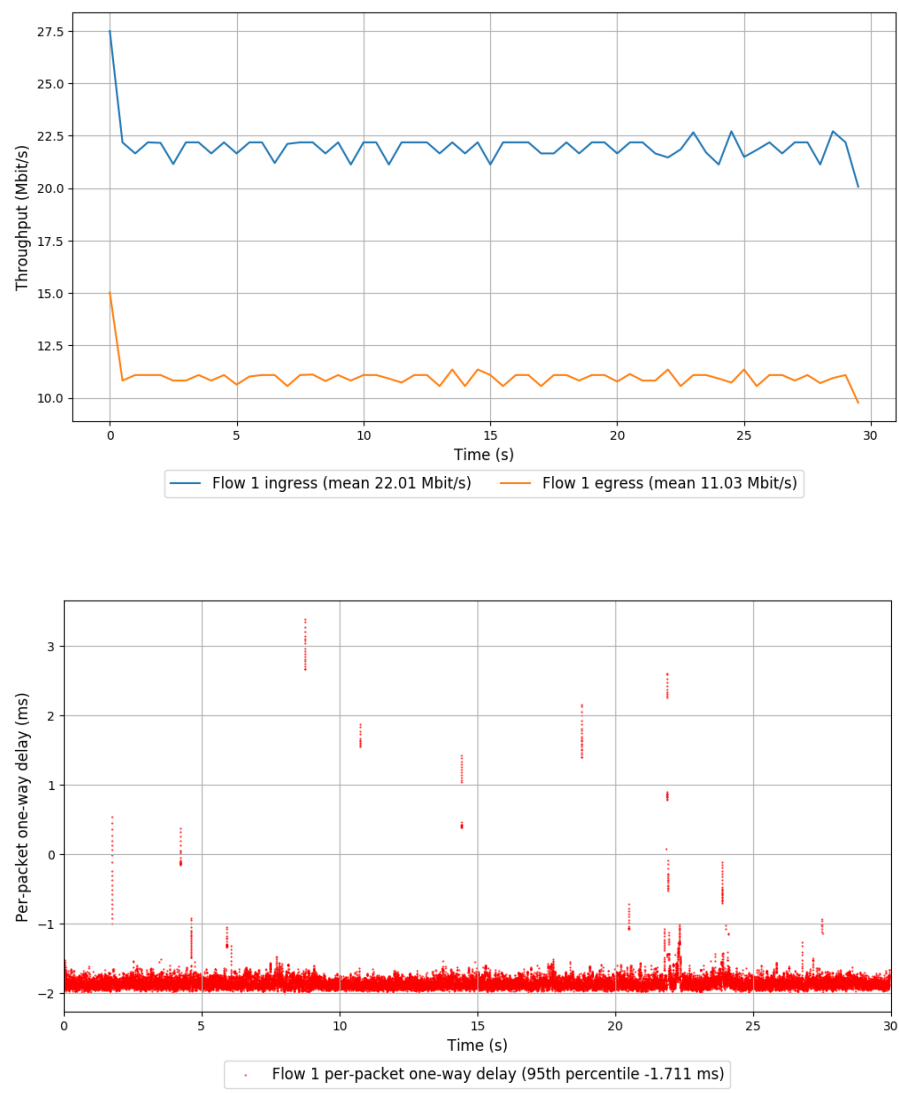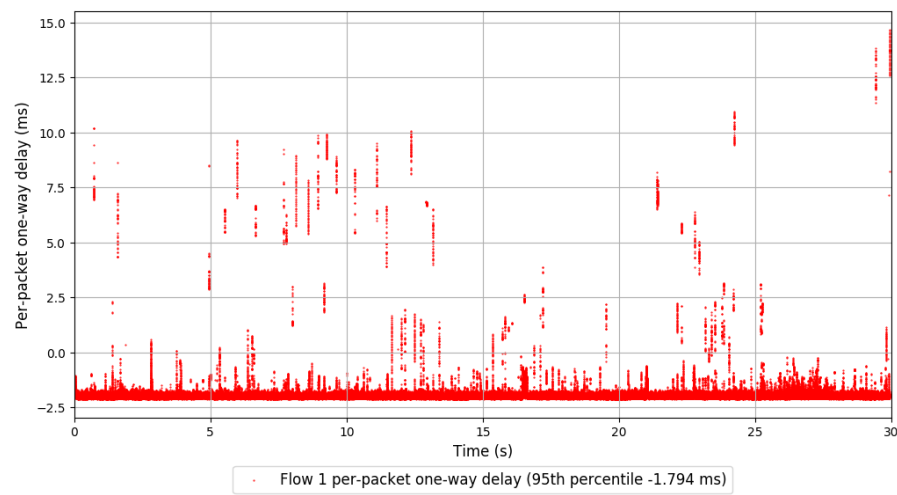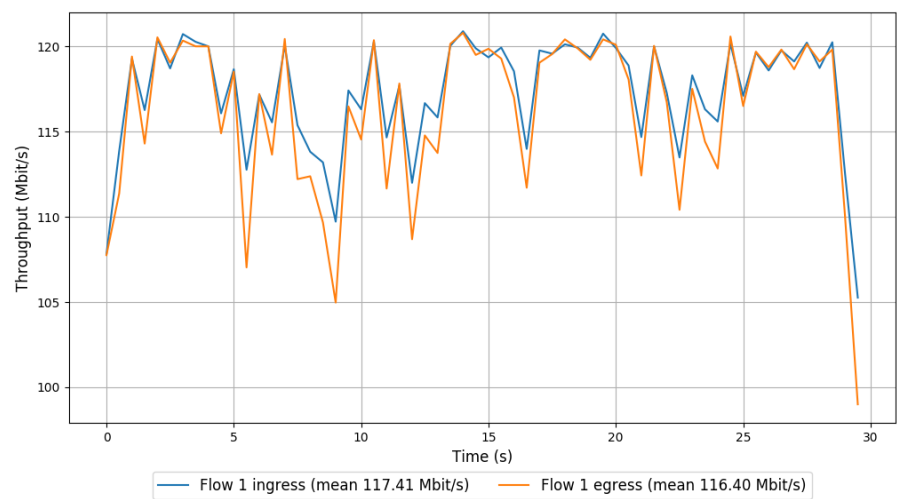
Run 6: Report of Saturator — Data Link

Flow 1 ingress (mean 22.01 Mbit/s)   Flow 1 egress (mean 11.03 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.711 ms)

```
Run 7: Statistics of Saturator

Start at: Wed, 05 Jul 2017 12:37:34 +0000
End at: Wed, 05 Jul 2017 12:38:04 +0000
Local clock offset: 0.187 ms
Remote clock offset: -2.988 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:24:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 116.40 Mbit/s
95th percentile per-packet one-way delay: -1.794 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 116.40 Mbit/s
95th percentile per-packet one-way delay: -1.794 ms
Loss rate: 0.93%
```
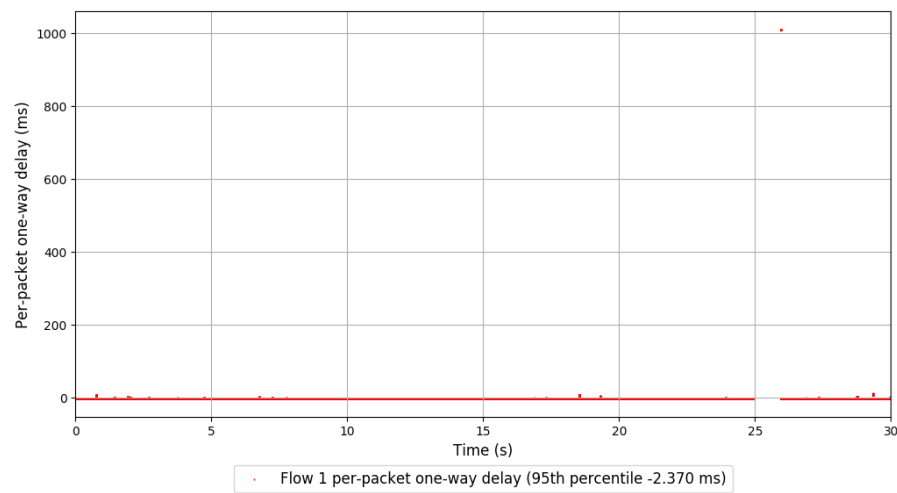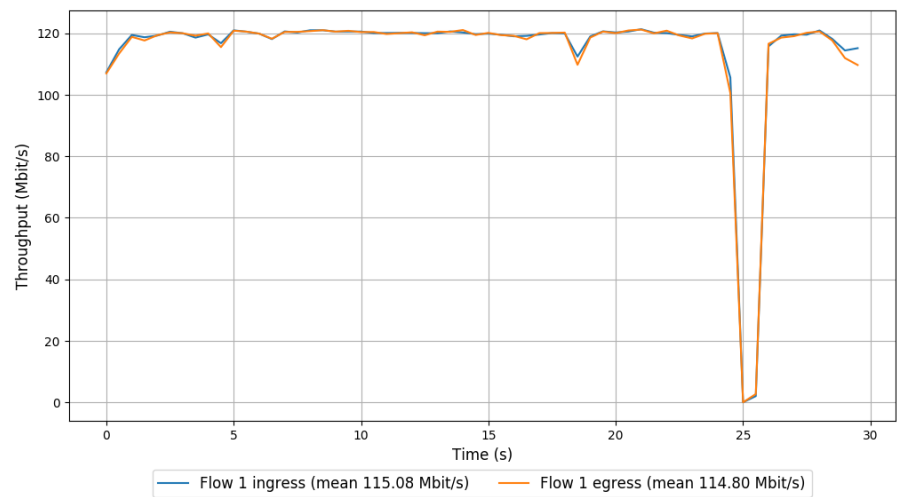
Run 7: Report of Saturator — Data Link

Flow 1 ingress (mean 117.41 Mbit/s)   Flow 1 egress (mean 116.40 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.794 ms)

```
Run 8: Statistics of Saturator

Start at: Wed, 05 Jul 2017 12:57:03 +0000
End at: Wed, 05 Jul 2017 12:57:33 +0000
Local clock offset: 0.327 ms
Remote clock offset: -3.302 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:24:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.80 Mbit/s
95th percentile per-packet one-way delay: -2.370 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 114.80 Mbit/s
95th percentile per-packet one-way delay: -2.370 ms
Loss rate: 0.29%
```
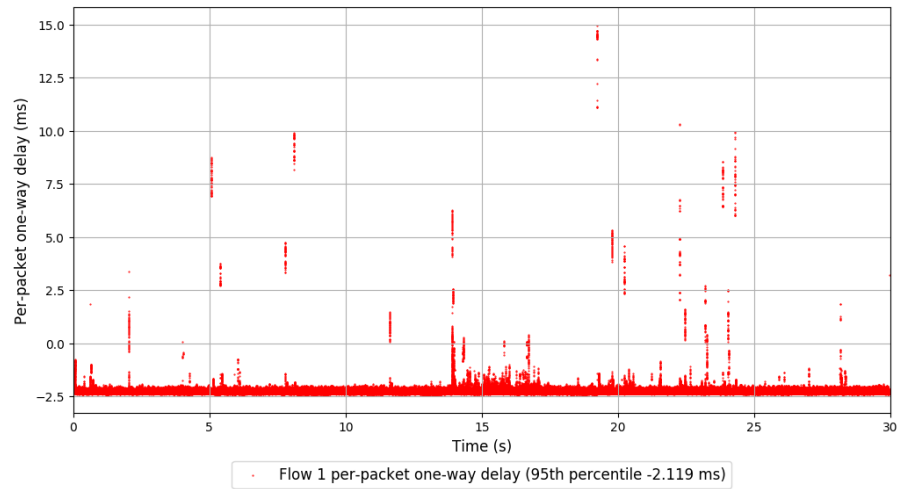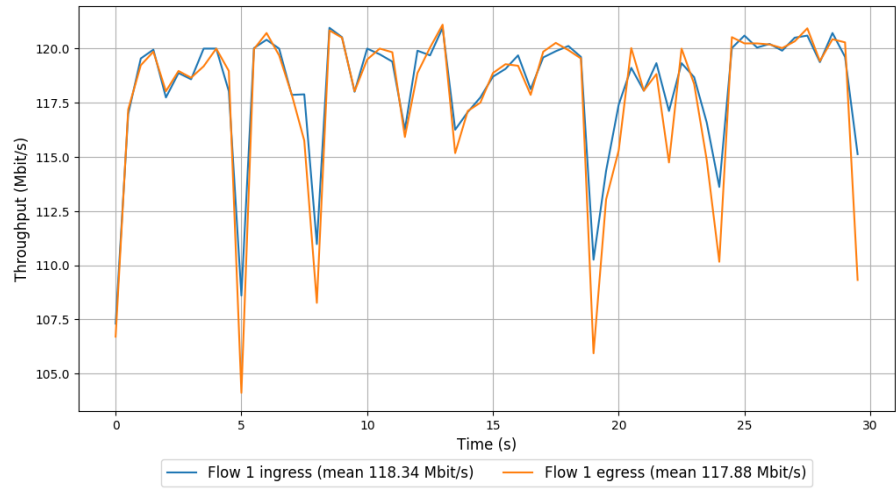
Run 8: Report of Saturator — Data Link

Flow 1 ingress (mean 115.08 Mbit/s)   Flow 1 egress (mean 114.80 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.370 ms)

```
Run 9: Statistics of Saturator

Start at: Wed, 05 Jul 2017 13:16:46 +0000
End at: Wed, 05 Jul 2017 13:17:16 +0000
Local clock offset: 0.443 ms
Remote clock offset: -2.971 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 117.88 Mbit/s
95th percentile per-packet one-way delay: -2.119 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 117.88 Mbit/s
95th percentile per-packet one-way delay: -2.119 ms
Loss rate: 0.44%
```
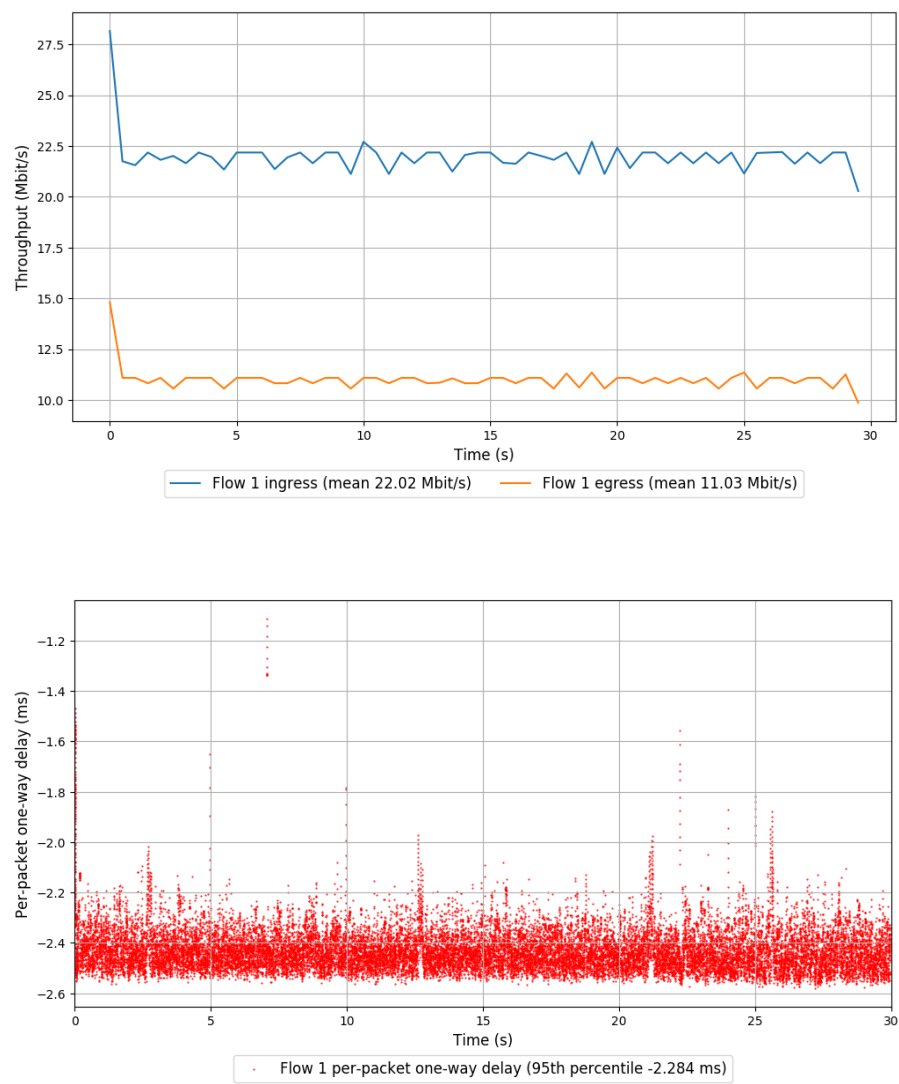
Run 9: Report of Saturator — Data Link

Flow 1 ingress (mean 118.34 Mbit/s) — Flow 1 egress (mean 117.88 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.119 ms)

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```
Run 10: Statistics of Saturator

Start at: Wed, 05 Jul 2017 13:36:18 +0000
End at: Wed, 05 Jul 2017 13:36:48 +0000
Local clock offset: 0.48 ms
Remote clock offset: -3.172 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: -2.284 ms
Loss rate: 49.95%
-- Flow 1:
Average throughput: 11.03 Mbit/s
95th percentile per-packet one-way delay: -2.284 ms
Loss rate: 49.95%
```
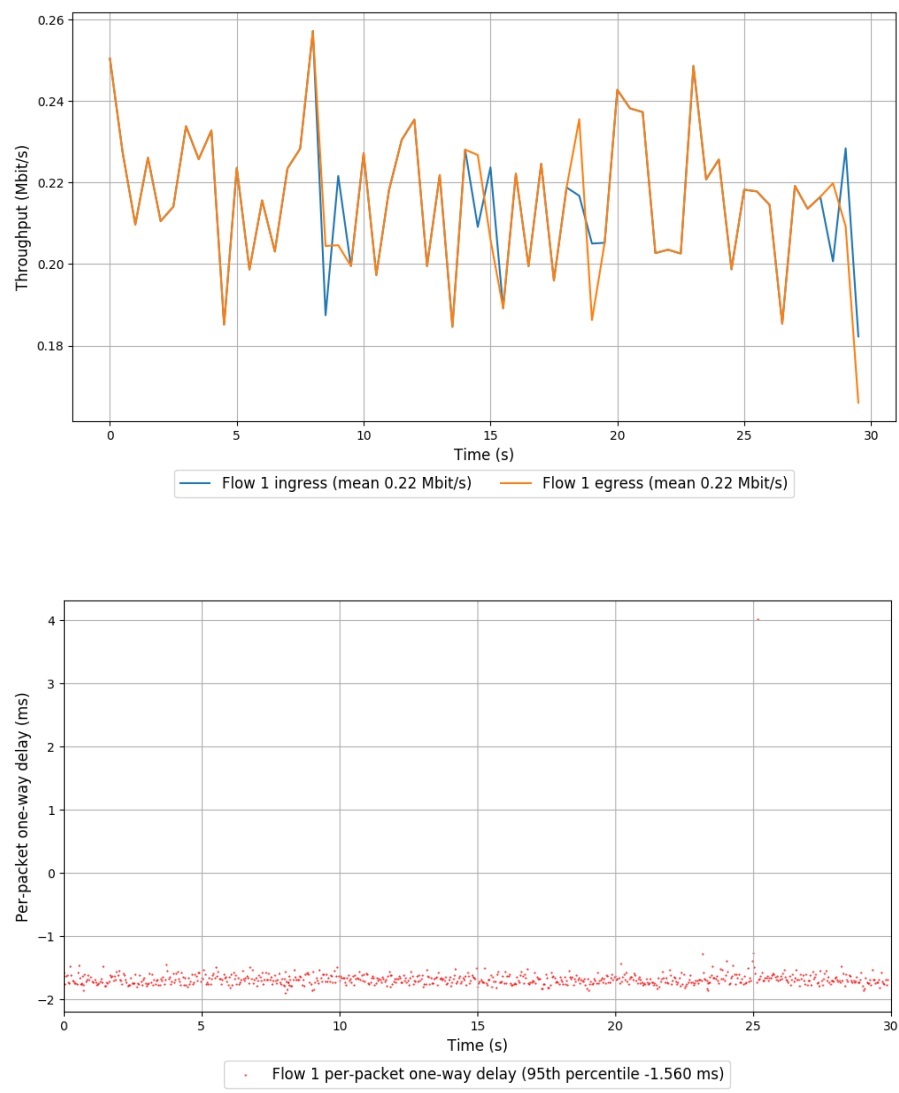
Run 10: Report of Saturator — Data Link

Flow 1 ingress (mean 22.02 Mbit/s)   Flow 1 egress (mean 11.03 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.284 ms)

```
Run 1: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 10:43:36 +0000
End at: Wed, 05 Jul 2017 10:44:06 +0000
Local clock offset: 0.295 ms
Remote clock offset: -2.646 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.560 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.560 ms
Loss rate: 0.13%
```
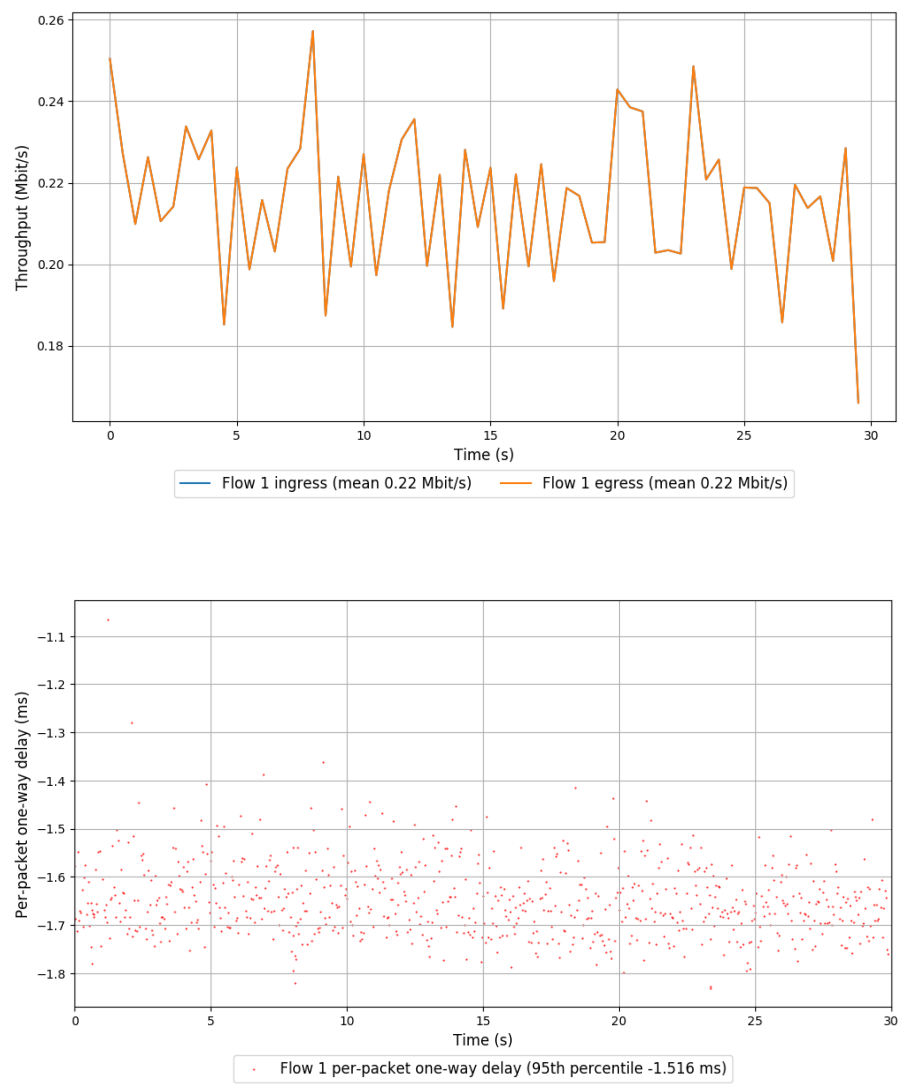
Run 1: Report of SCReAM — Data Link

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 -1.560 ms)

```
Run 2: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 11:03:01 +0000
End at: Wed, 05 Jul 2017 11:03:31 +0000
Local clock offset: 0.157 ms
Remote clock offset: -2.748 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.516 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.516 ms
Loss rate: 0.00%
```
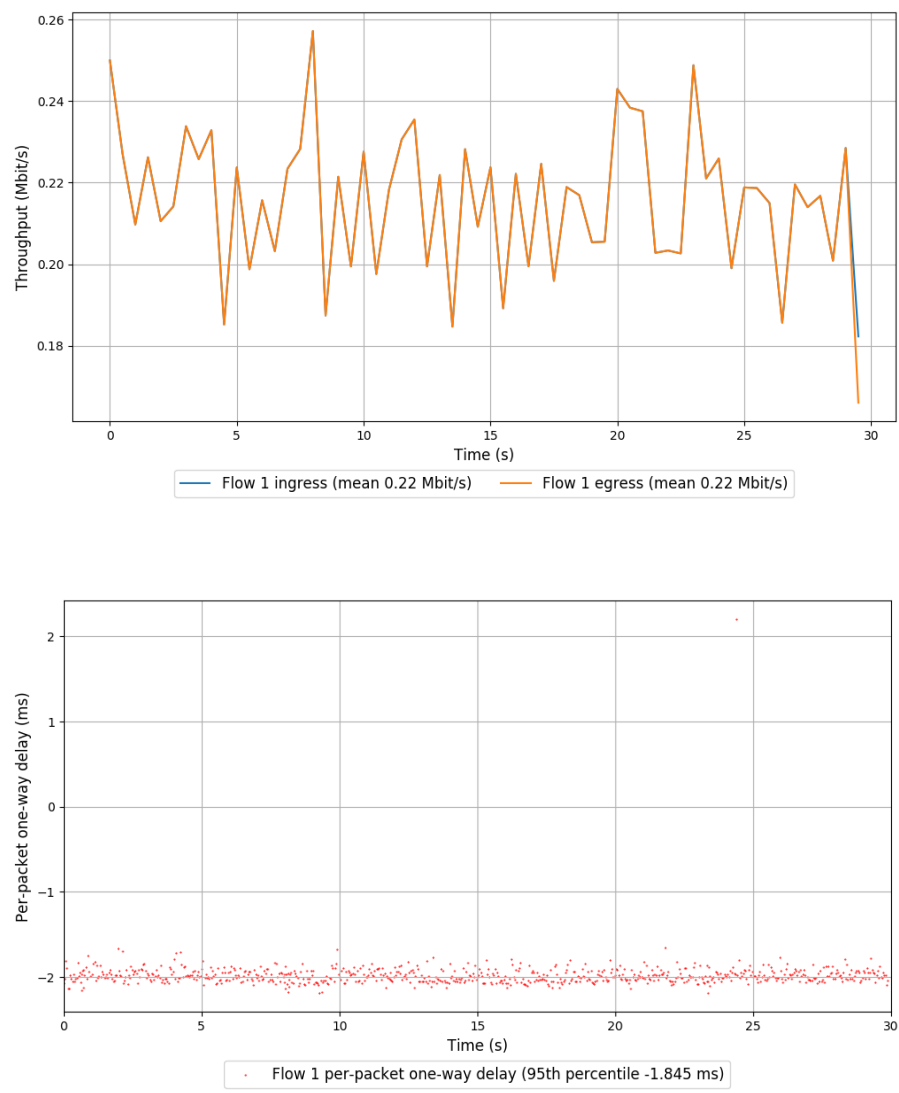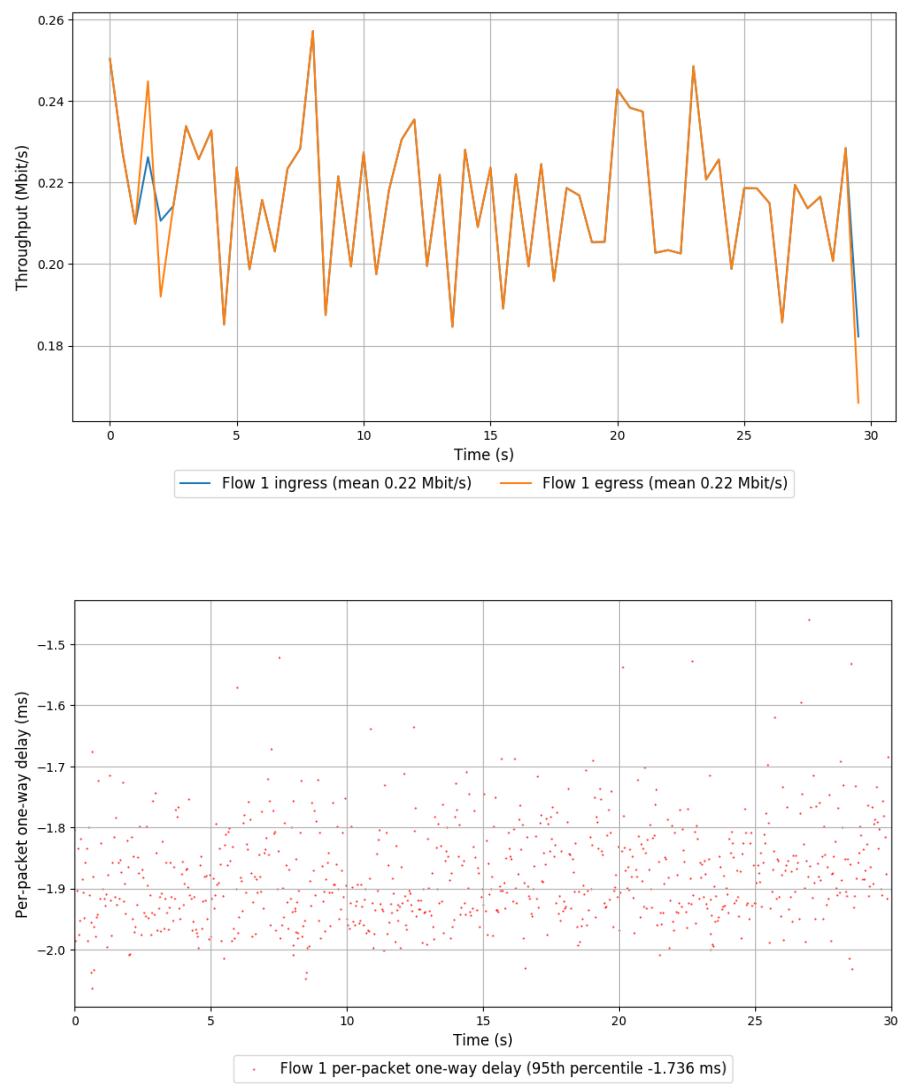
Run 2: Report of SCReAM — Data Link

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 -1.516 ms)

```
Run 3: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 11:21:00 +0000
End at: Wed, 05 Jul 2017 11:21:30 +0000
Local clock offset: 0.207 ms
Remote clock offset: -3.15 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.845 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.845 ms
Loss rate: 0.13%
```
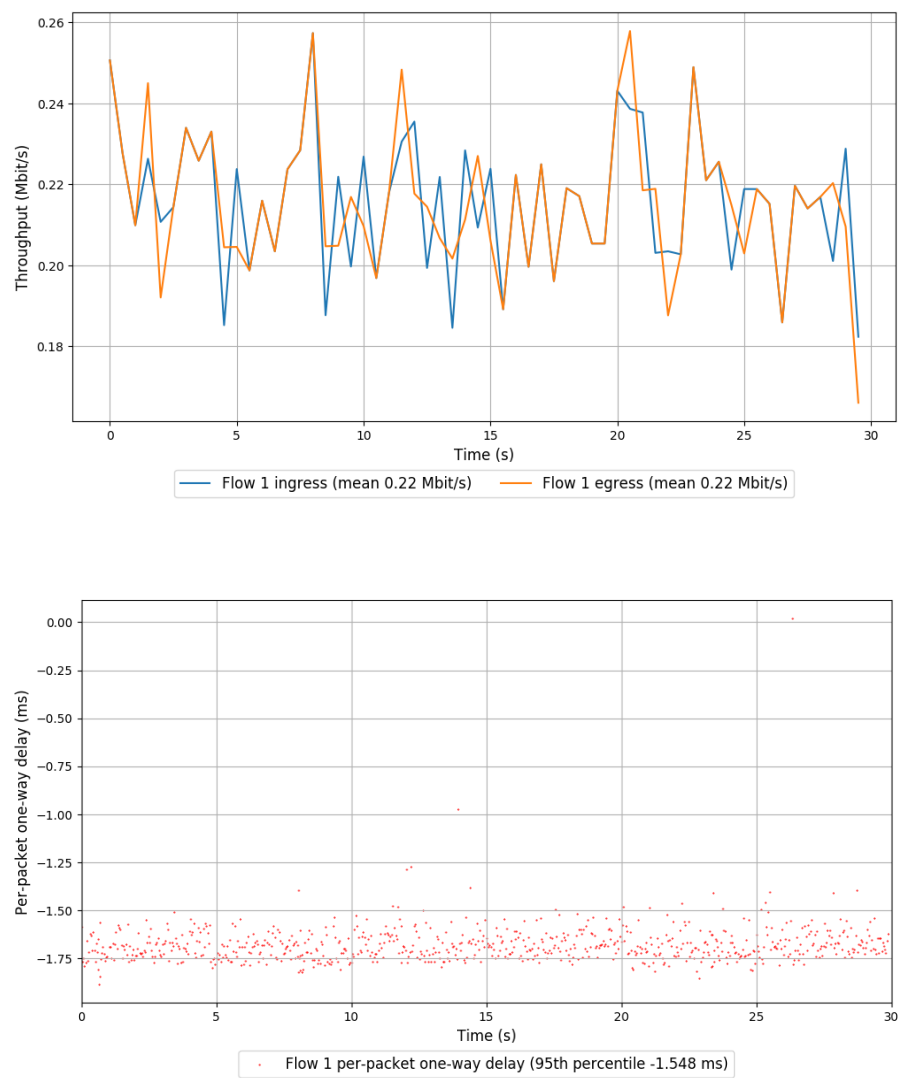
Run 3: Report of SCReAM — Data Link

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 -1.845 ms)

```
Run 4: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 11:40:32 +0000
End at: Wed, 05 Jul 2017 11:41:02 +0000
Local clock offset: 0.179 ms
Remote clock offset: -3.022 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.736 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.736 ms
Loss rate: 0.13%
```
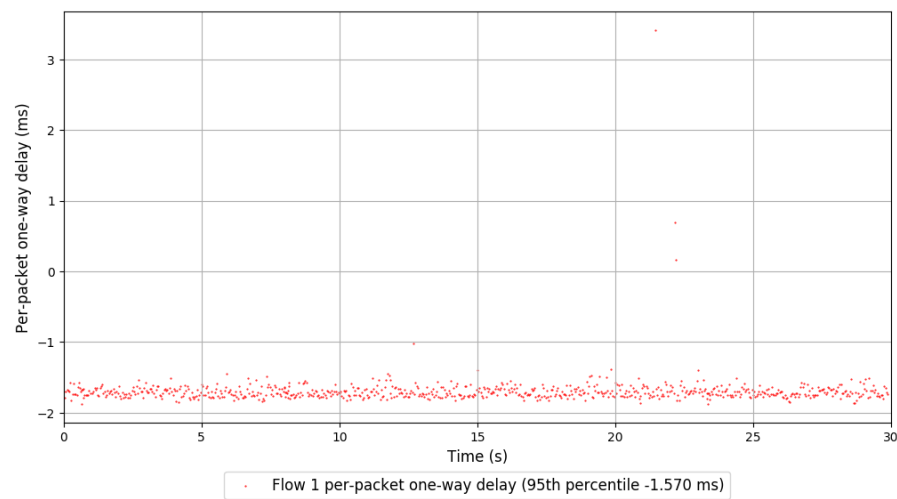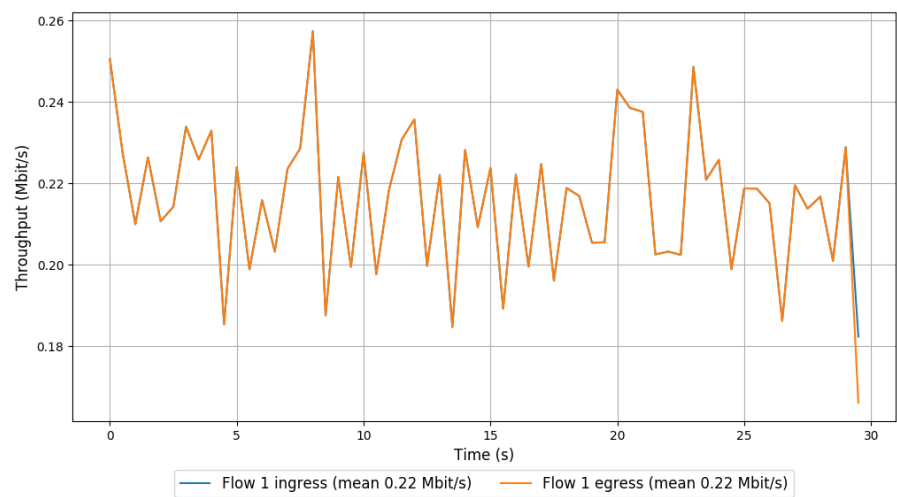
Run 4: Report of SCReAM — Data Link

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 -1.736 ms)

```
Run 5: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 11:59:49 +0000
End at: Wed, 05 Jul 2017 12:00:19 +0000
Local clock offset: 0.028 ms
Remote clock offset: -2.906 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.548 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.548 ms
Loss rate: 0.13%
```
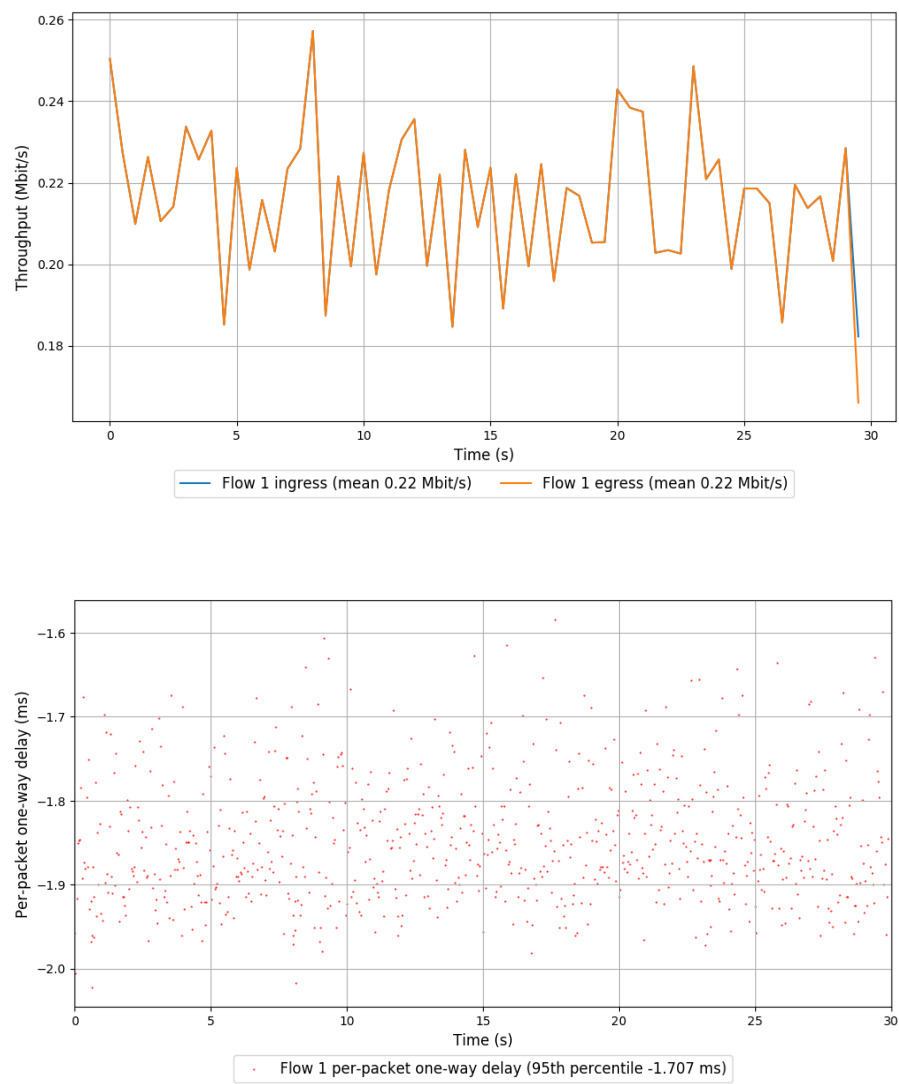
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 12:18:28 +0000
End at: Wed, 05 Jul 2017 12:18:58 +0000
Local clock offset: 0.156 ms
Remote clock offset: -2.889 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.570 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.570 ms
Loss rate: 0.13%
```
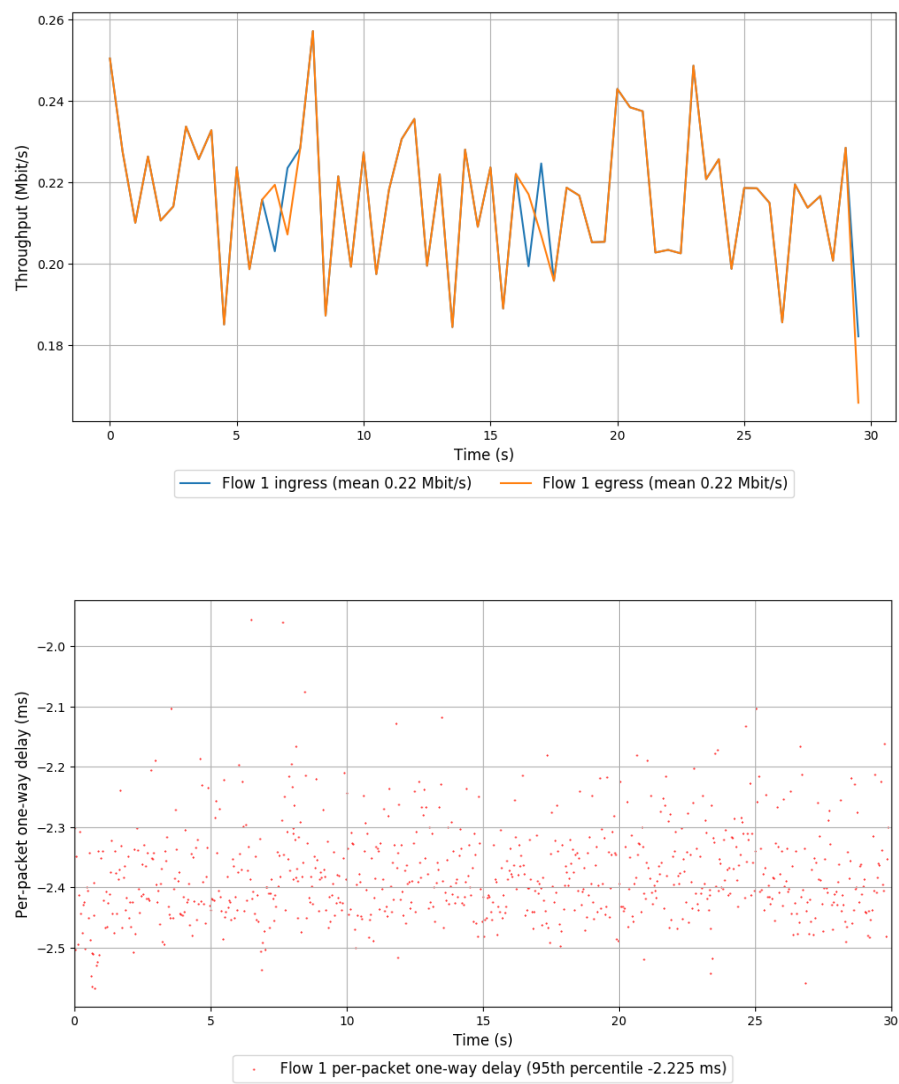
Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 12:36:25 +0000
End at: Wed, 05 Jul 2017 12:36:55 +0000
Local clock offset: 0.192 ms
Remote clock offset: -2.973 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.707 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.707 ms
Loss rate: 0.13%
```
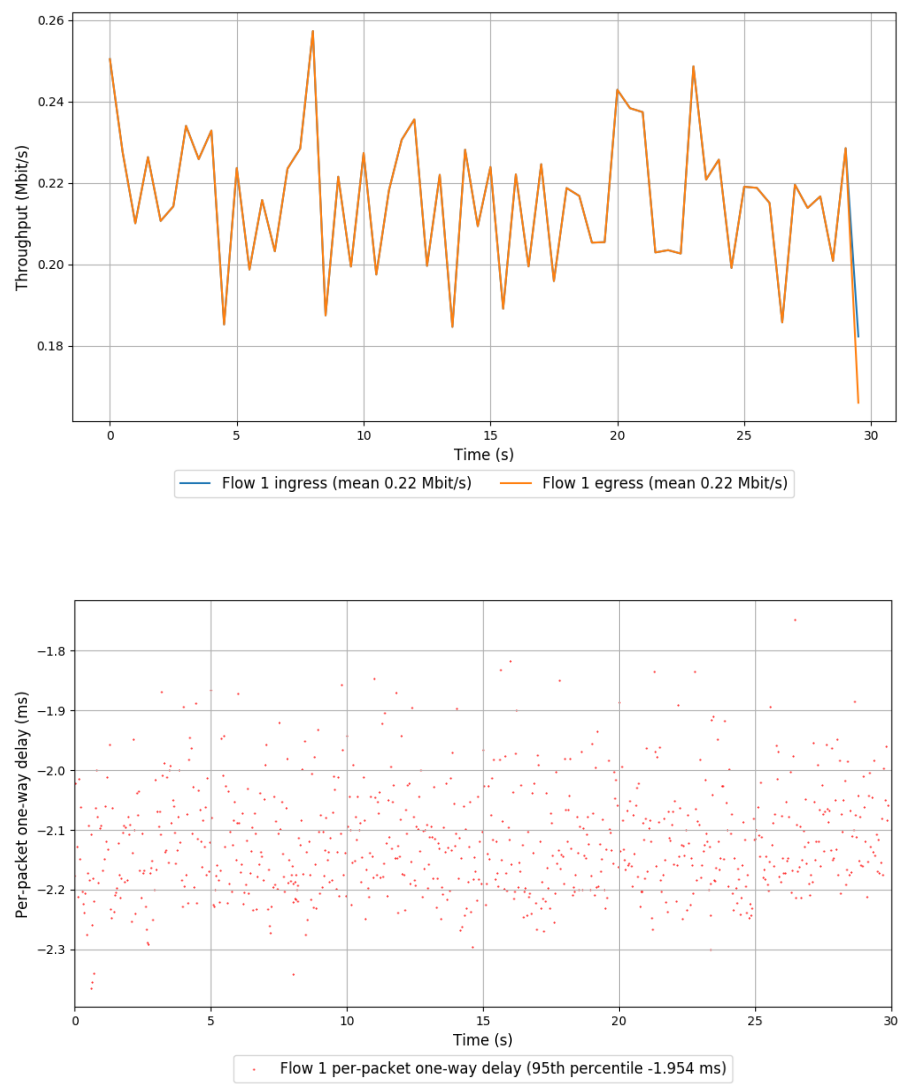
Run 7: Report of SCReAM — Data Link

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 -1.707 ms)

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```
Run 8: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 12:55:53 +0000
End at: Wed, 05 Jul 2017 12:56:23 +0000
Local clock offset: 0.31 ms
Remote clock offset: -3.246 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -2.225 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -2.225 ms
Loss rate: 0.13%
```
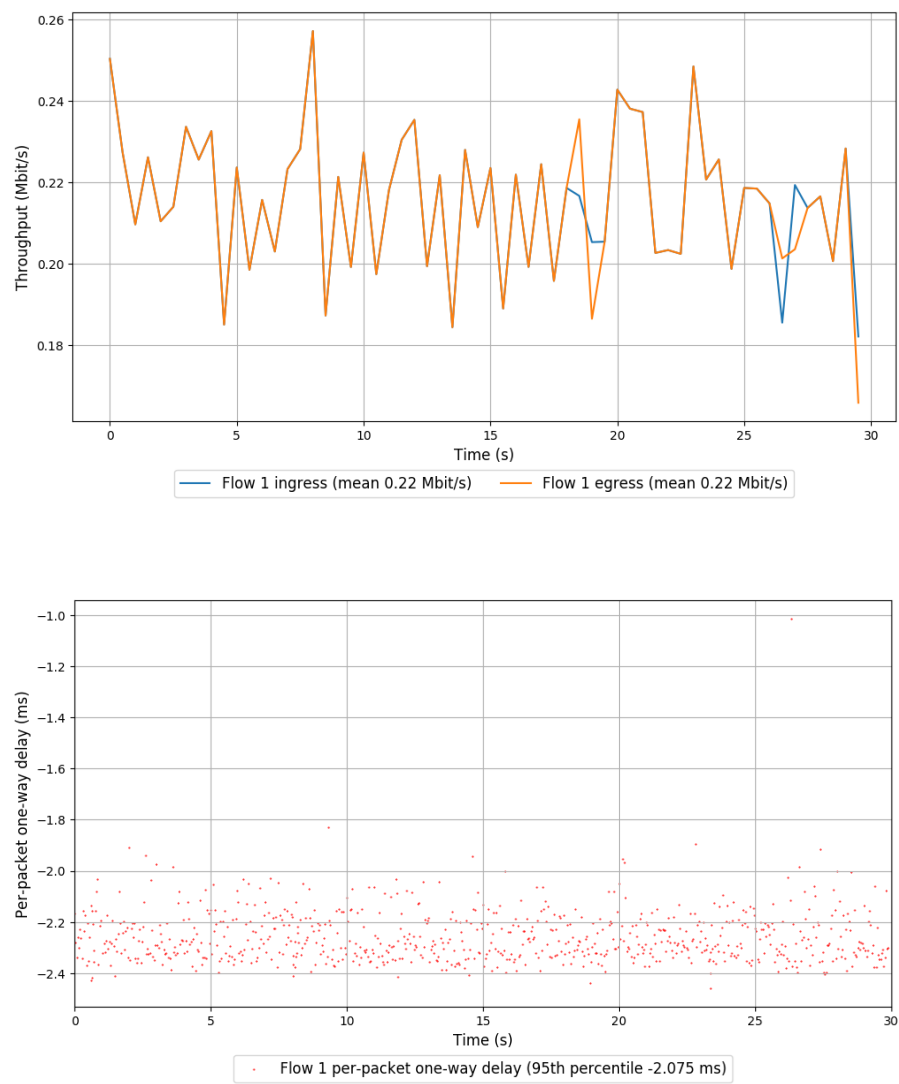
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 13:15:36 +0000
End at: Wed, 05 Jul 2017 13:16:06 +0000
Local clock offset: 0.431 ms
Remote clock offset: -3.001 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.954 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.954 ms
Loss rate: 0.13%
```
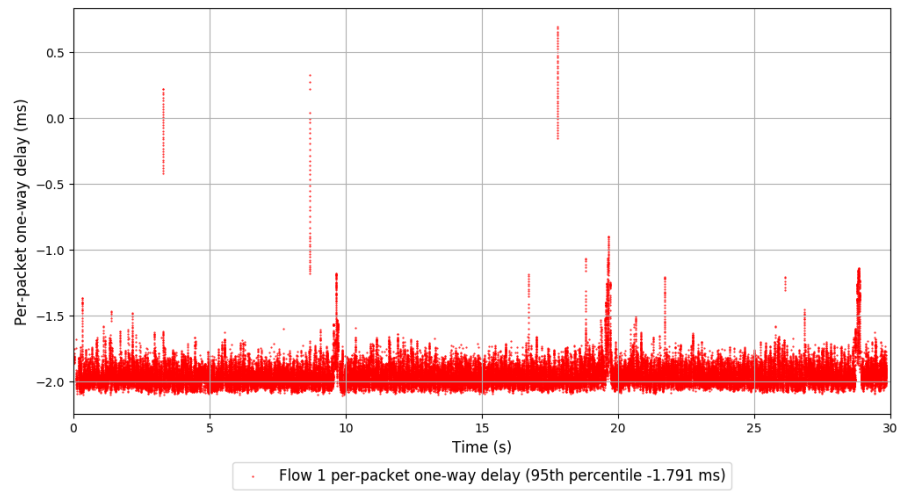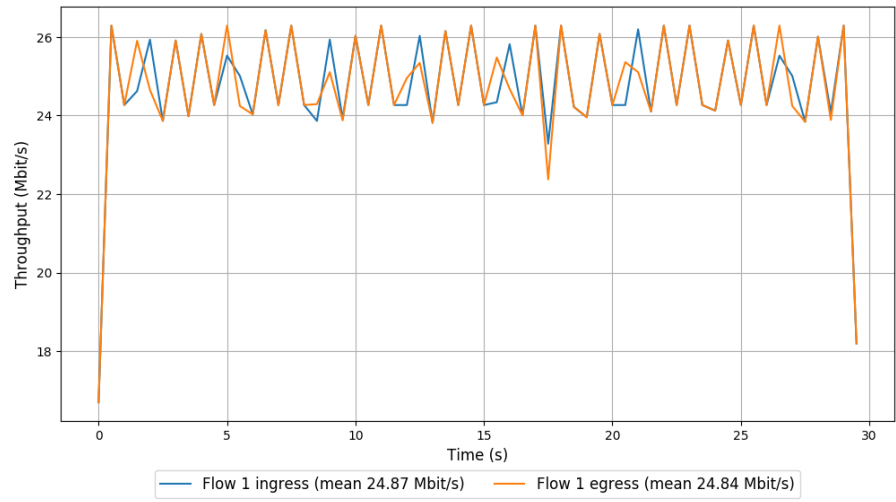
Run 9: Report of SCReAM — Data Link

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 -1.954 ms)

```
Run 10: Statistics of SCReAM

Start at: Wed, 05 Jul 2017 13:35:08 +0000
End at: Wed, 05 Jul 2017 13:35:38 +0000
Local clock offset: 0.379 ms
Remote clock offset: -3.144 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -2.075 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -2.075 ms
Loss rate: 0.13%
```
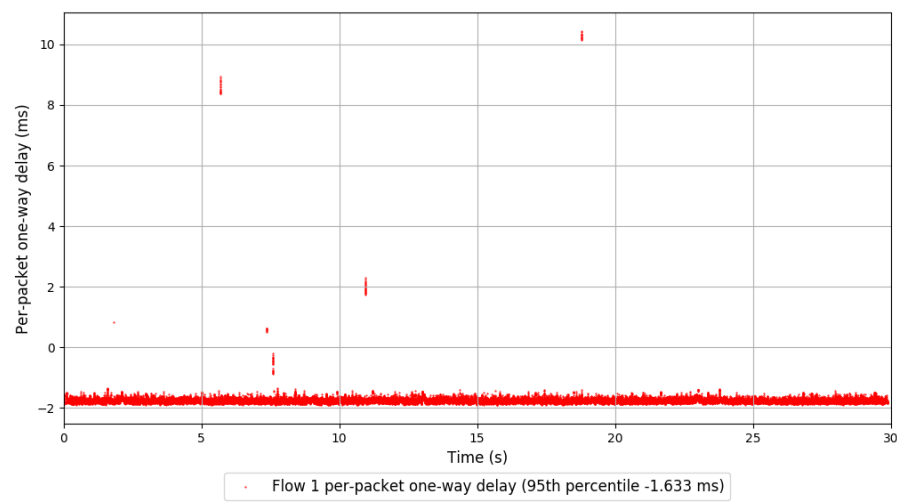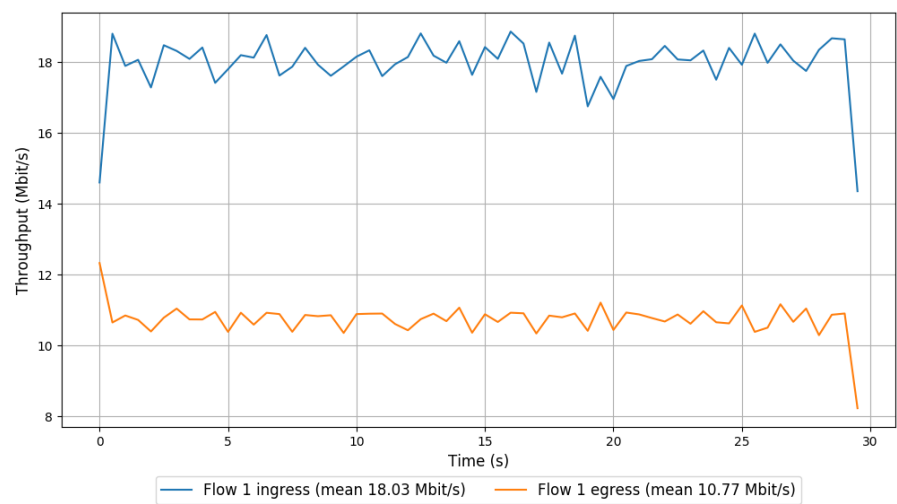
Run 10: Report of SCReAM — Data Link

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 -2.075 ms)

```
Run 1: Statistics of Sprout

Start at: Wed, 05 Jul 2017 10:38:41 +0000
End at: Wed, 05 Jul 2017 10:39:11 +0000
Local clock offset: 0.331 ms
Remote clock offset: -2.703 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: -1.791 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: -1.791 ms
Loss rate: 0.10%
```
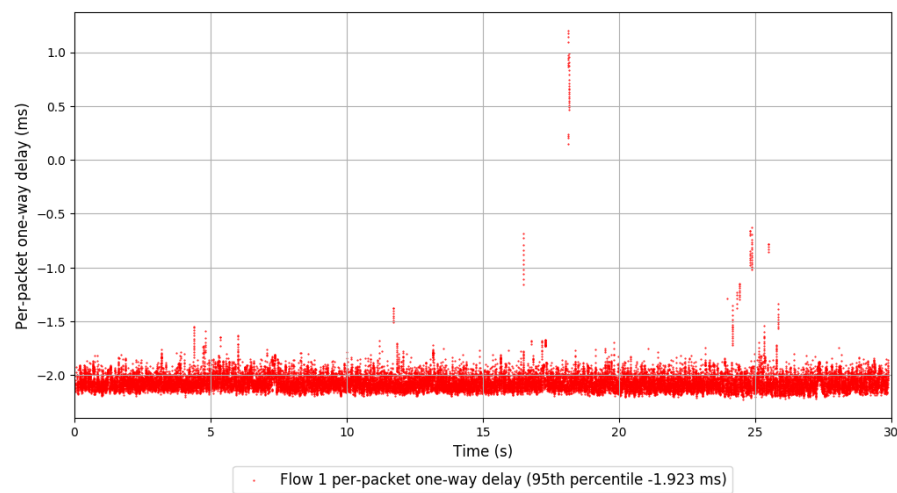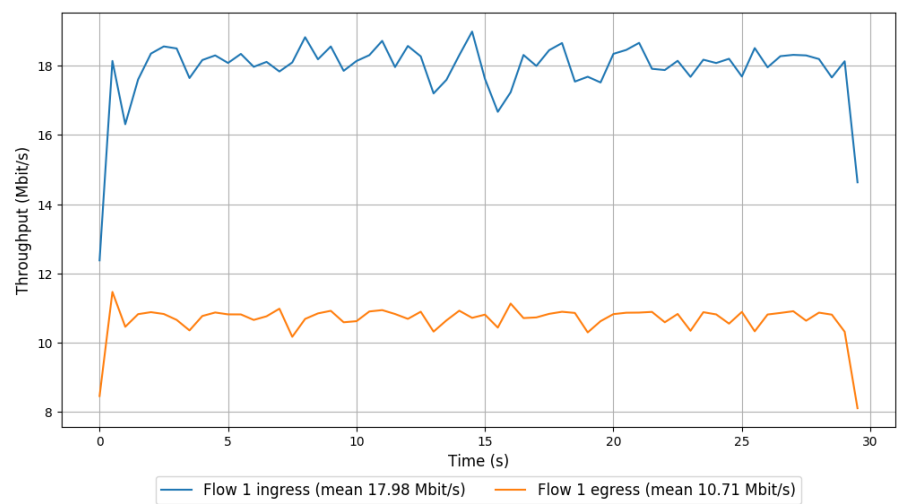
Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: Wed, 05 Jul 2017 10:58:07 +0000
End at: Wed, 05 Jul 2017 10:58:37 +0000
Local clock offset: 0.163 ms
Remote clock offset: -2.721 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: -1.633 ms
Loss rate: 40.29%
-- Flow 1:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: -1.633 ms
Loss rate: 40.29%
```
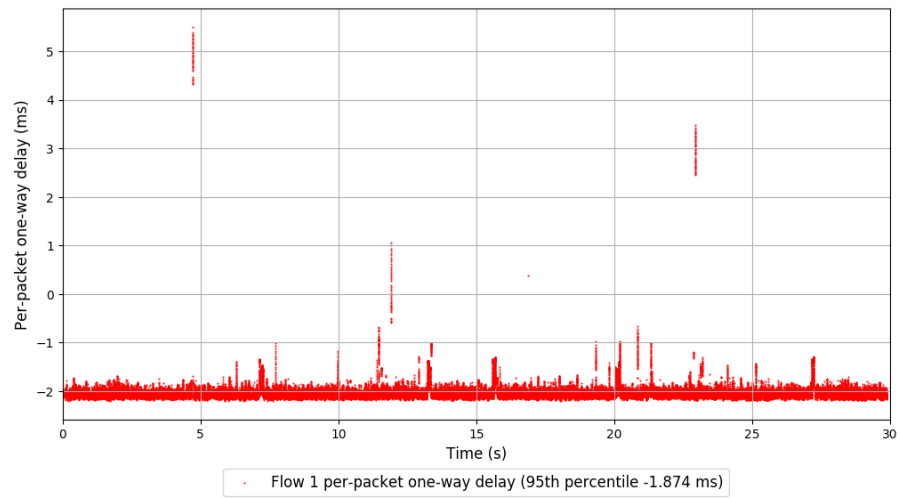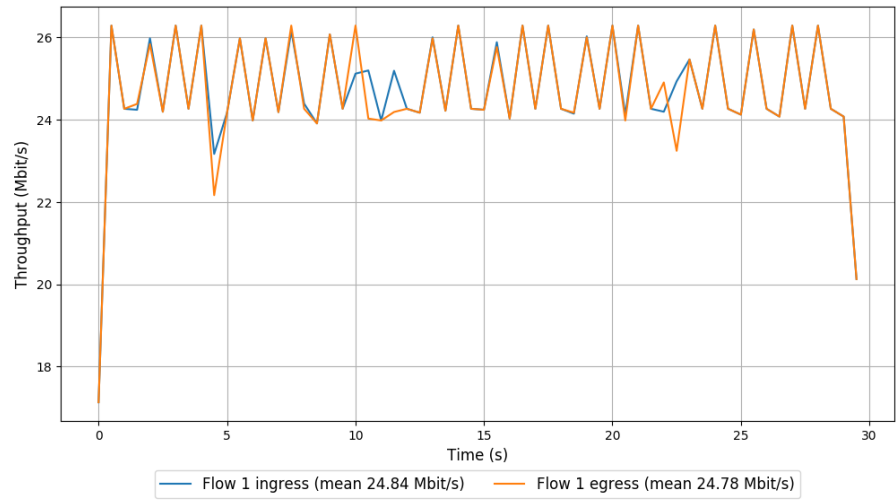
Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 18.03 Mbit/s)   Flow 1 egress (mean 10.77 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.633 ms)

```
Run 3: Statistics of Sprout

Start at: Wed, 05 Jul 2017 11:16:08 +0000
End at: Wed, 05 Jul 2017 11:16:38 +0000
Local clock offset: 0.204 ms
Remote clock offset: -2.934 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:25:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: -1.923 ms
Loss rate: 40.49%
-- Flow 1:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: -1.923 ms
Loss rate: 40.49%
```
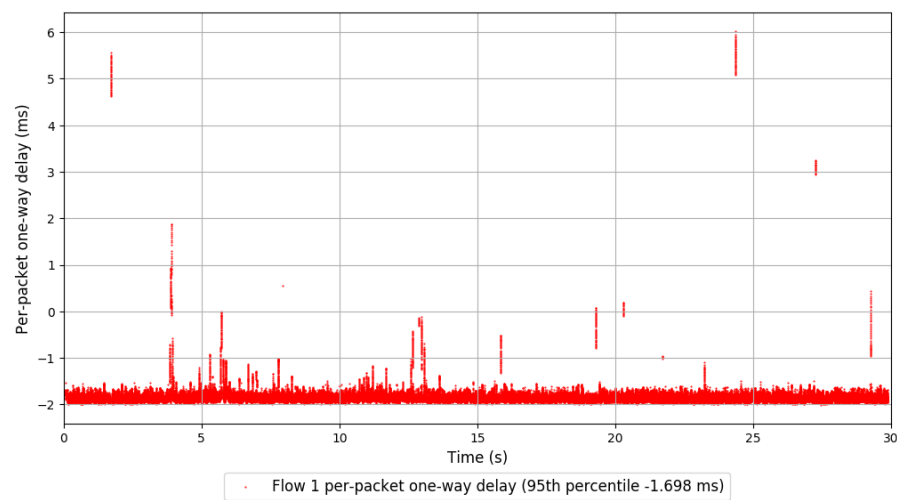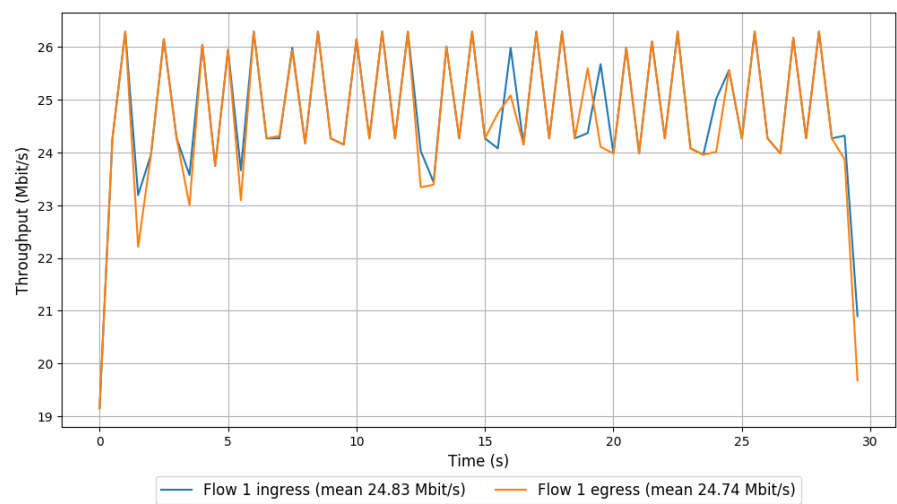
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 17.98 Mbit/s)   Flow 1 egress (mean 10.71 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.923 ms)

```
Run 4: Statistics of Sprout

Start at: Wed, 05 Jul 2017 11:35:38 +0000
End at: Wed, 05 Jul 2017 11:36:08 +0000
Local clock offset: 0.095 ms
Remote clock offset: -3.052 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:26:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: -1.874 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: -1.874 ms
Loss rate: 0.22%
```
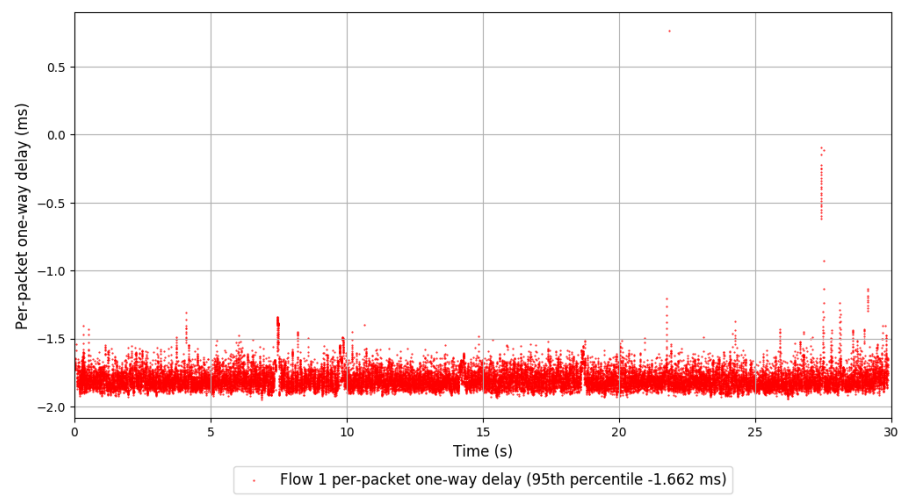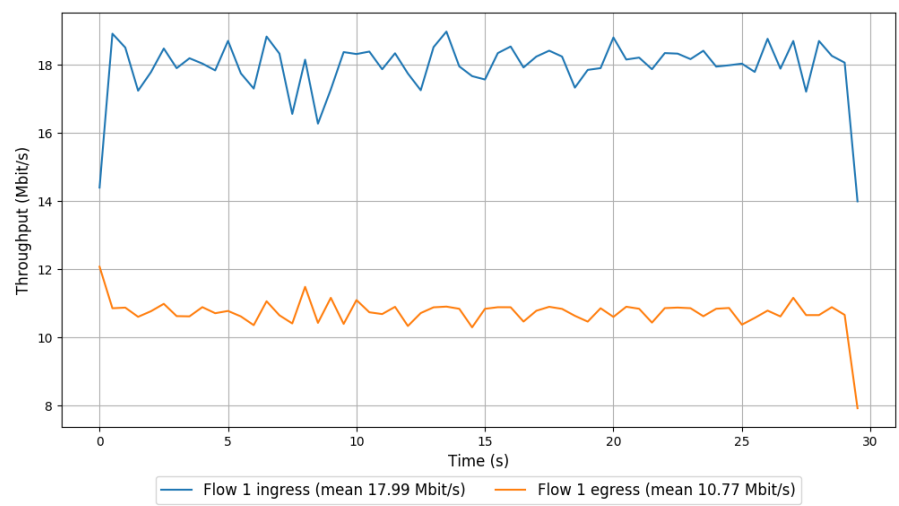
Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: Wed, 05 Jul 2017 11:54:56 +0000
End at: Wed, 05 Jul 2017 11:55:26 +0000
Local clock offset: 0.039 ms
Remote clock offset: -2.879 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:26:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: -1.698 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: -1.698 ms
Loss rate: 0.41%
```
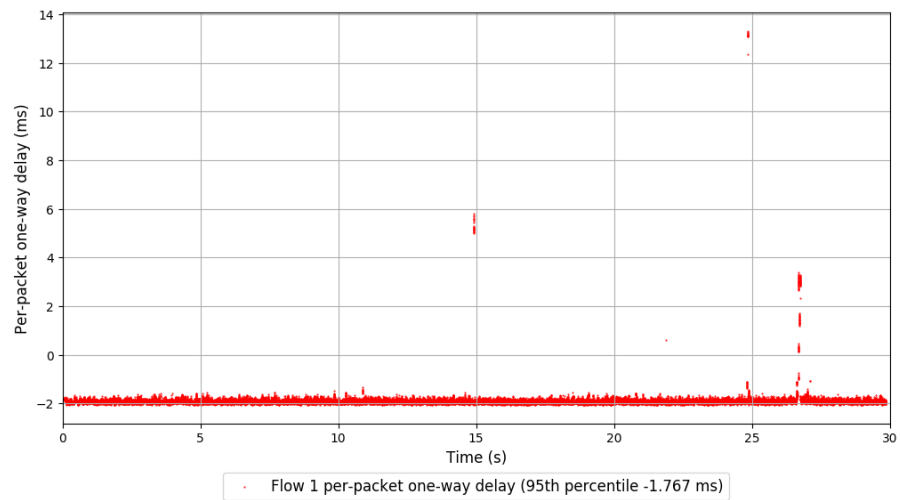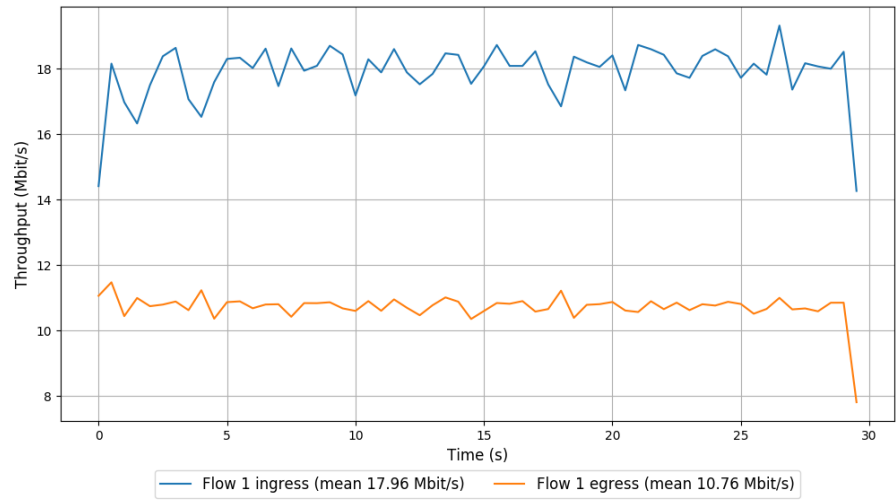
Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 24.83 Mbit/s) —— Flow 1 egress (mean 24.74 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.698 ms)

```
Run 6: Statistics of Sprout

Start at: Wed, 05 Jul 2017 12:13:32 +0000
End at: Wed, 05 Jul 2017 12:14:02 +0000
Local clock offset: 0.019 ms
Remote clock offset: -2.879 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:26:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: -1.662 ms
Loss rate: 40.18%
-- Flow 1:
Average throughput: 10.77 Mbit/s
95th percentile per-packet one-way delay: -1.662 ms
Loss rate: 40.18%
```
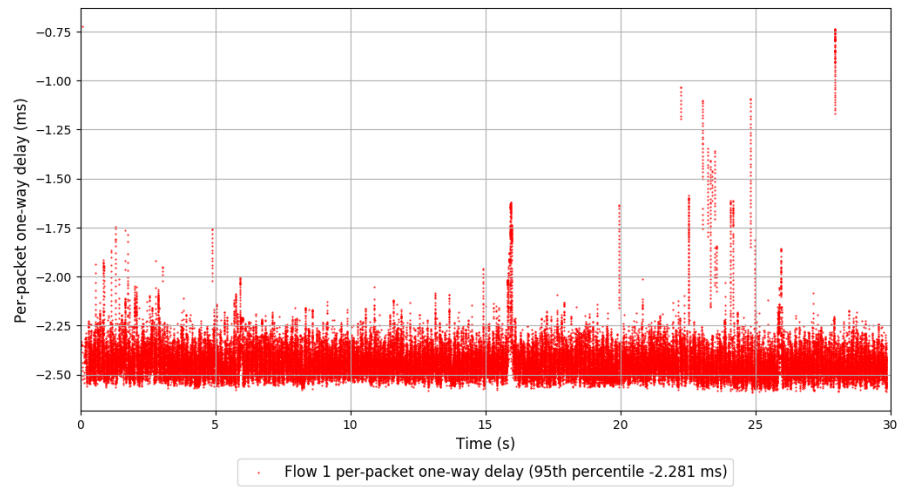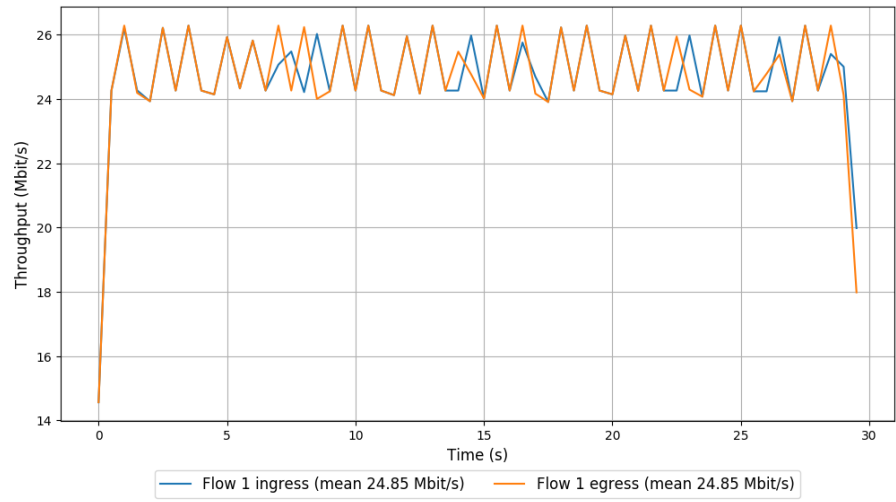
Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 17.99 Mbit/s)   Flow 1 egress (mean 10.77 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.662 ms)

```
Run 7: Statistics of Sprout

Start at: Wed, 05 Jul 2017 12:31:35 +0000
End at: Wed, 05 Jul 2017 12:32:05 +0000
Local clock offset: 0.099 ms
Remote clock offset: -2.952 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:26:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: -1.767 ms
Loss rate: 40.14%
-- Flow 1:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: -1.767 ms
Loss rate: 40.14%
```
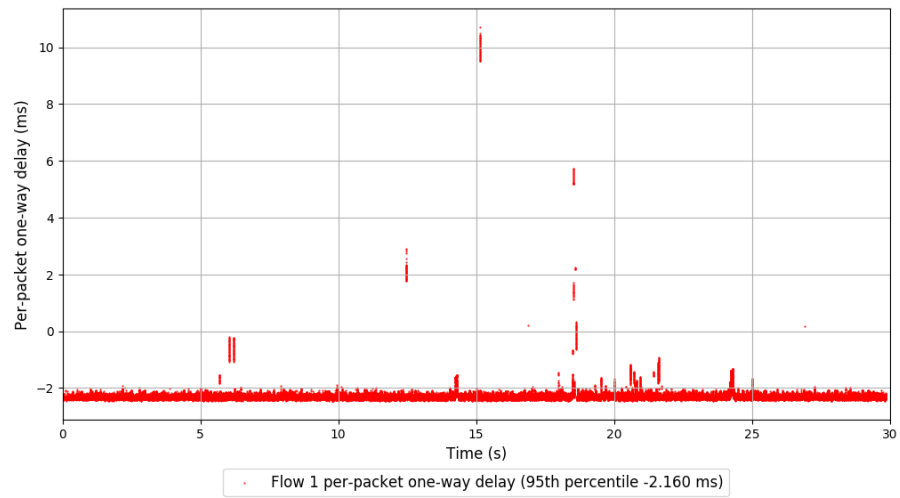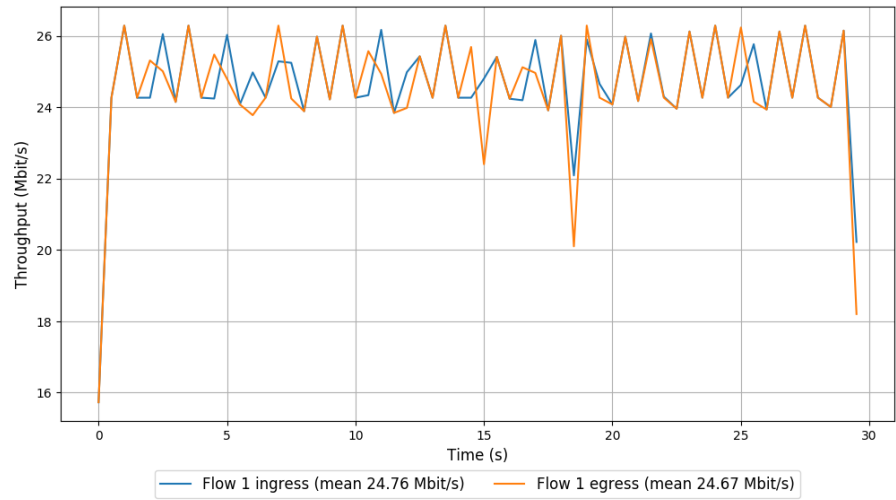
Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 17.96 Mbit/s)   Flow 1 egress (mean 10.76 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.767 ms)

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```
Run 8: Statistics of Sprout

Start at: Wed, 05 Jul 2017 12:50:59 +0000
End at: Wed, 05 Jul 2017 12:51:29 +0000
Local clock offset: 0.245 ms
Remote clock offset: -3.218 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:26:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: -2.281 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.85 Mbit/s
95th percentile per-packet one-way delay: -2.281 ms
Loss rate: 0.13%
```
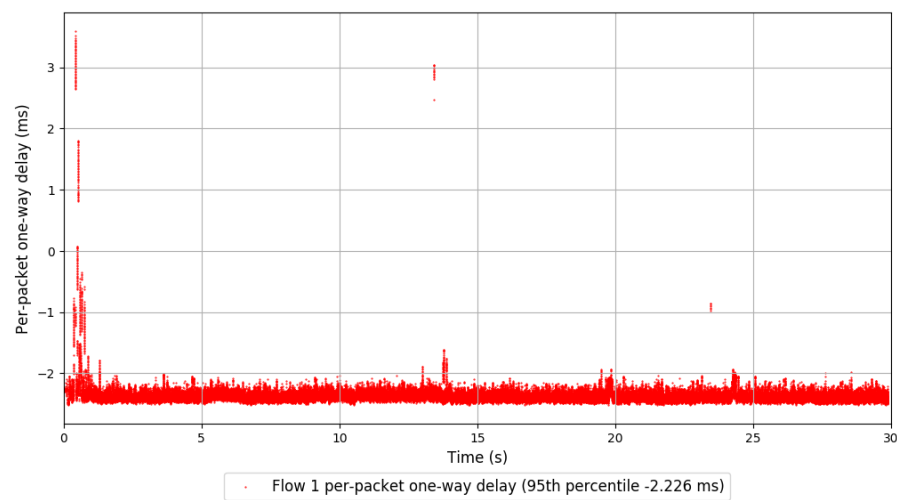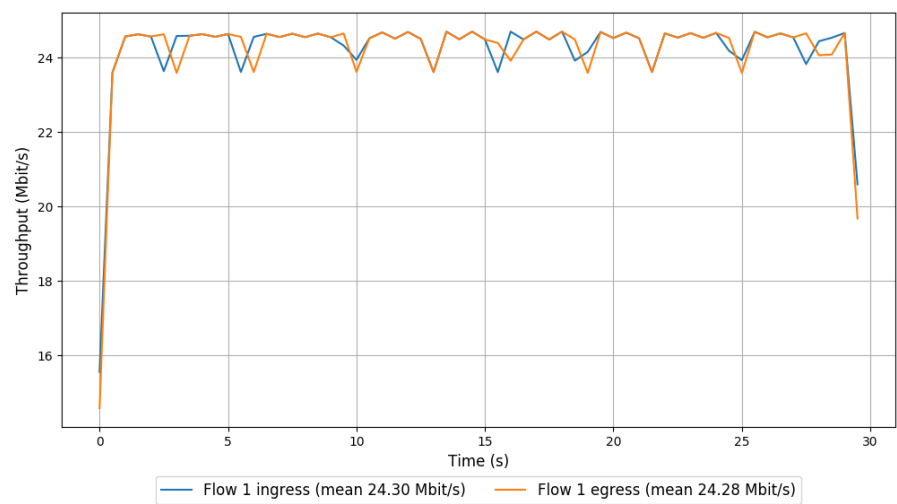
Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 24.85 Mbit/s)   Flow 1 egress (mean 24.85 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.281 ms)
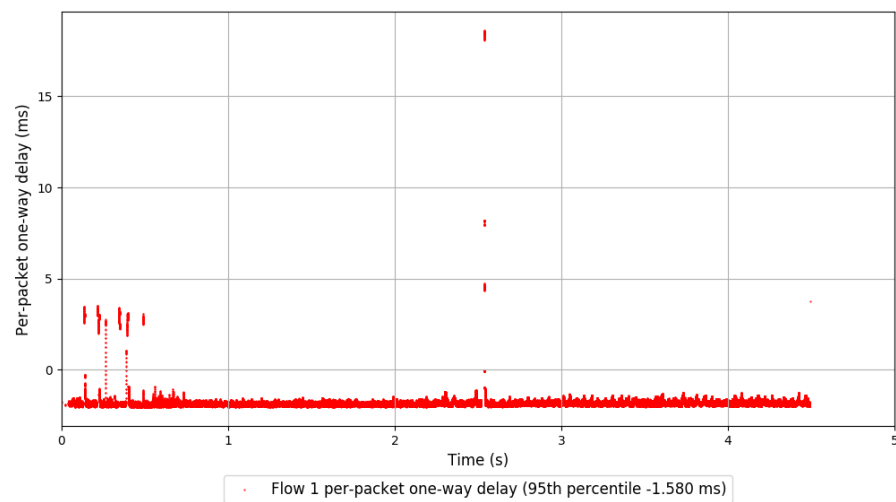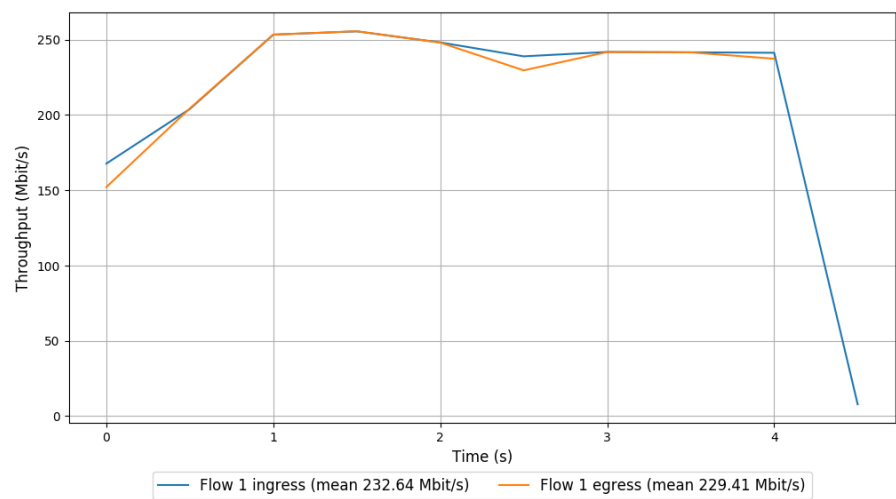
```
Run 9: Statistics of Sprout

Start at: Wed, 05 Jul 2017 13:10:41 +0000
End at: Wed, 05 Jul 2017 13:11:11 +0000
Local clock offset: 0.483 ms
Remote clock offset: -3.071 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:26:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: -2.160 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: -2.160 ms
Loss rate: 0.50%
```

Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 24.76 Mbit/s) — Flow 1 egress (mean 24.67 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.160 ms)

```
Run 10: Statistics of Sprout

Start at: Wed, 05 Jul 2017 13:30:01 +0000
End at: Wed, 05 Jul 2017 13:30:31 +0000
Local clock offset: 0.379 ms
Remote clock offset: -3.089 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:26:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: -2.226 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: -2.226 ms
Loss rate: 0.13%
```
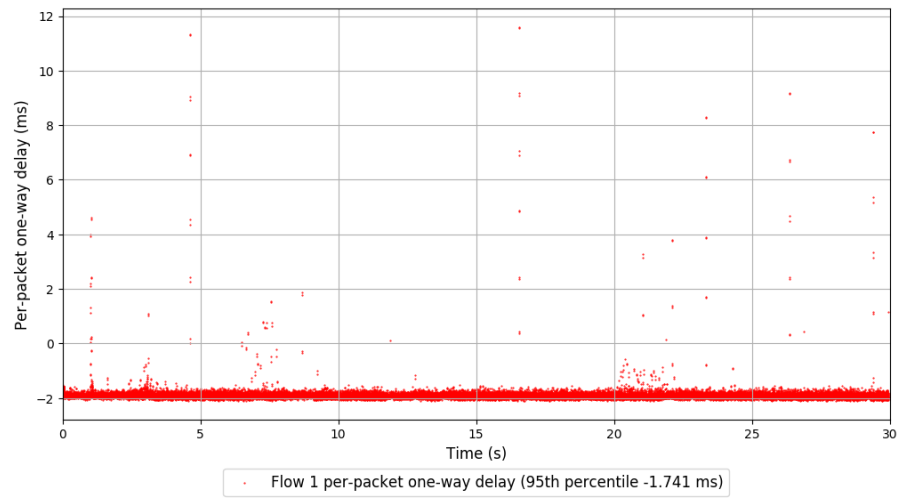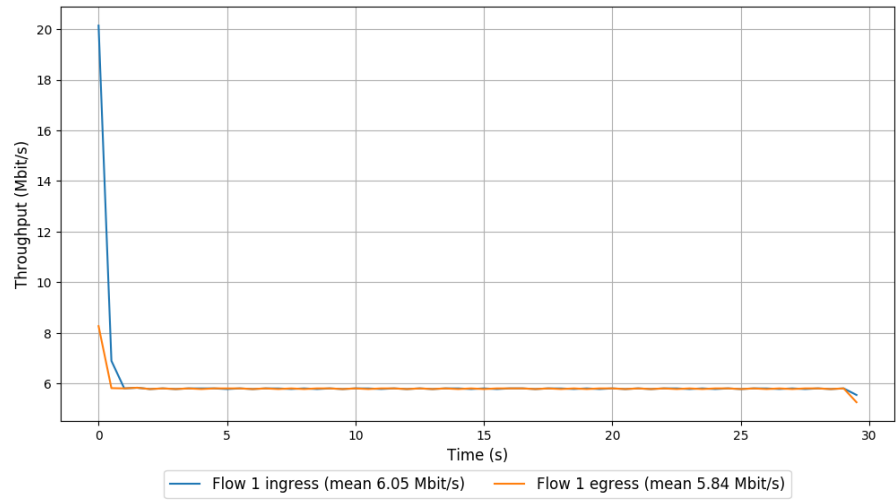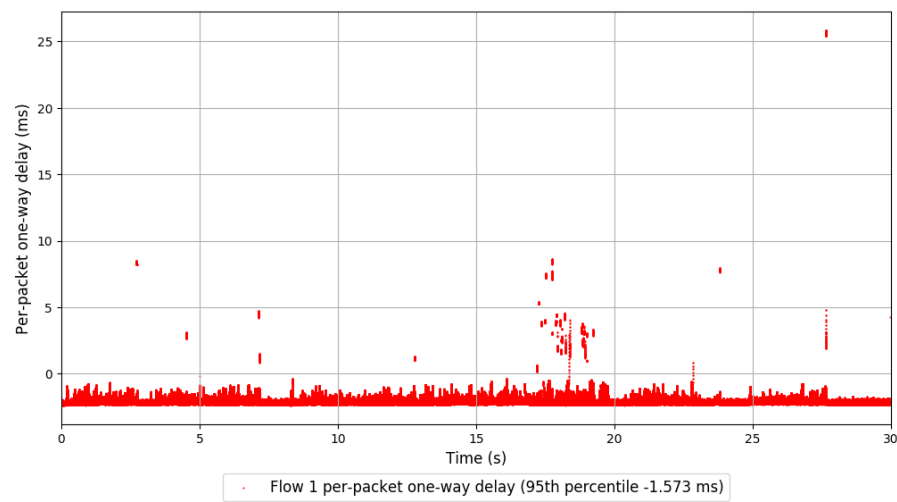
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 24.30 Mbit/s) — Flow 1 egress (mean 24.28 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.226 ms)

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

Start at: Wed, 05 Jul 2017 10:49:58 +0000
End at: Wed, 05 Jul 2017 10:50:28 +0000
Local clock offset: 0.326 ms
Remote clock offset: -2.742 ms
```

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

Flow 1 ingress (mean 232.64 Mbit/s)   Flow 1 egress (mean 229.41 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.580 ms)

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

Start at: Wed, 05 Jul 2017 11:08:58 +0000
End at: Wed, 05 Jul 2017 11:09:28 +0000
Local clock offset: 0.139 ms
Remote clock offset: -2.872 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:27:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: -1.741 ms
Loss rate: 3.65%
-- Flow 1:
Average throughput: 5.84 Mbit/s
95th percentile per-packet one-way delay: -1.741 ms
Loss rate: 3.65%
```
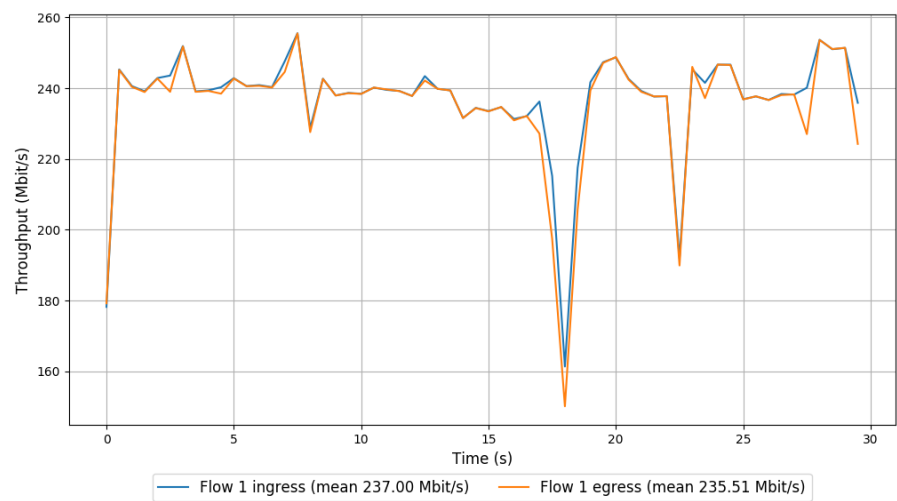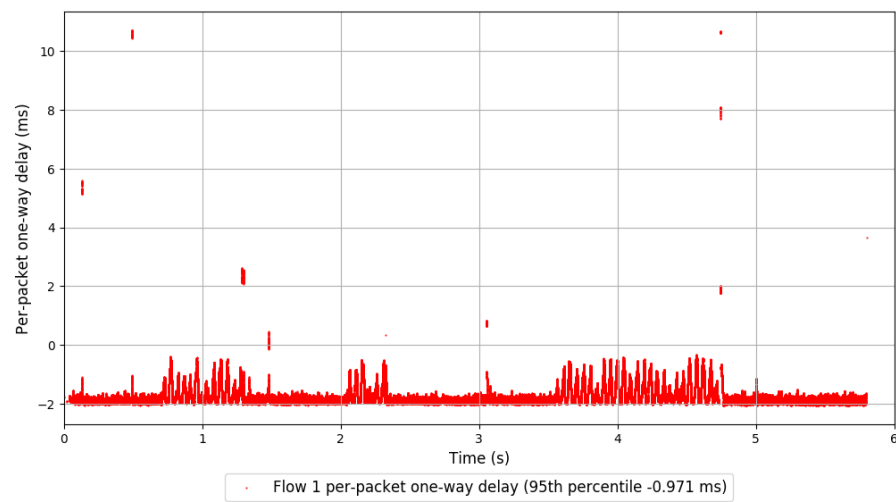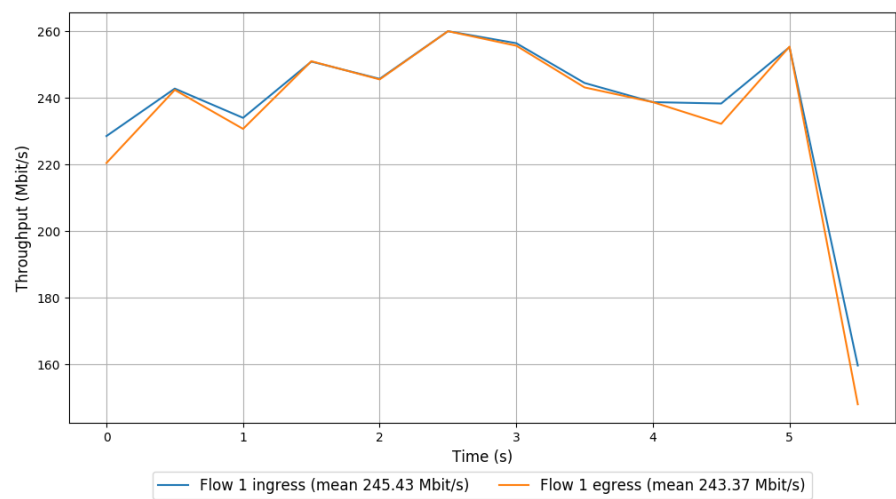
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 6.05 Mbit/s)　　Flow 1 egress (mean 5.84 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.741 ms)
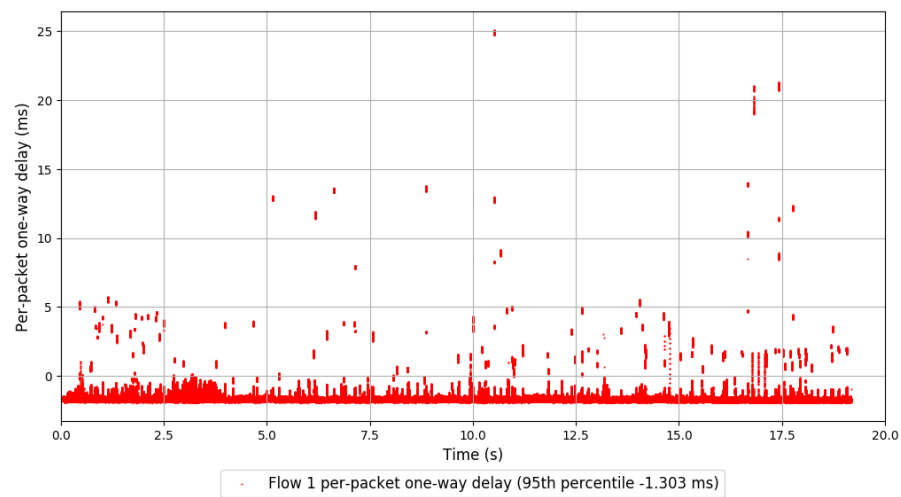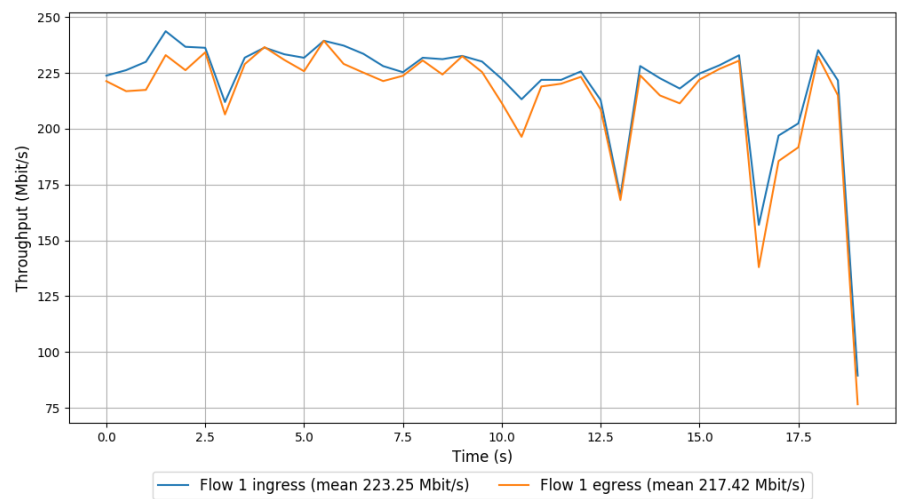
```
Run 3: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 11:27:07 +0000
End at: Wed, 05 Jul 2017 11:27:37 +0000
Local clock offset: 0.194 ms
Remote clock offset: -3.21 ms

# Below is generated by plot.py at Wed, 05 Jul 2017 16:30:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.51 Mbit/s
95th percentile per-packet one-way delay: -1.573 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 235.51 Mbit/s
95th percentile per-packet one-way delay: -1.573 ms
Loss rate: 0.68%
```
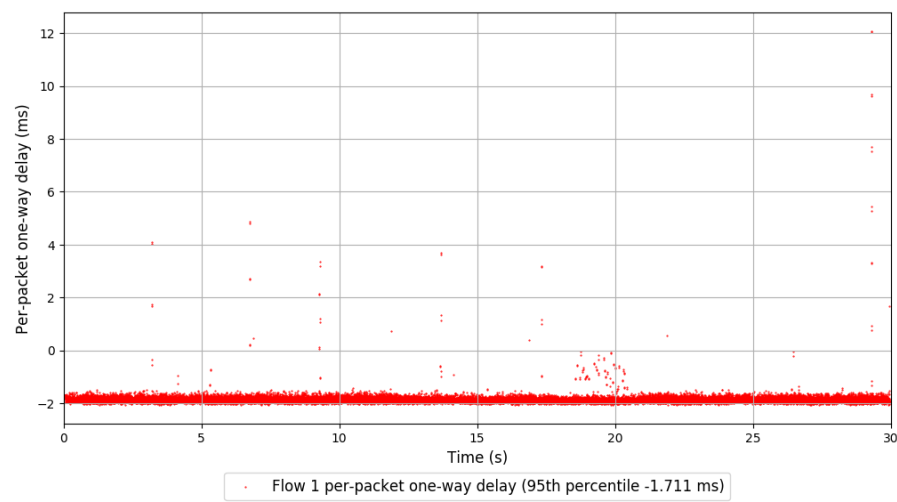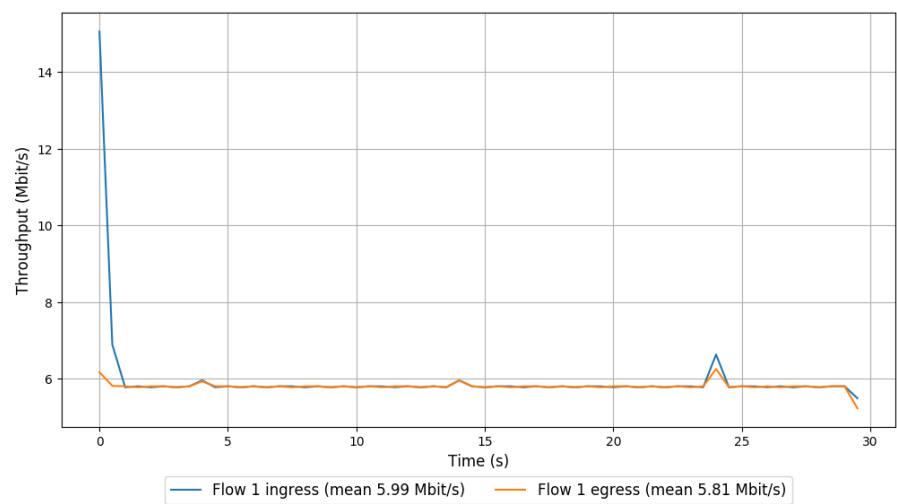
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 237.00 Mbit/s) — Flow 1 egress (mean 235.51 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.573 ms)

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

Start at: Wed, 05 Jul 2017 11:46:53 +0000
End at: Wed, 05 Jul 2017 11:47:23 +0000
Local clock offset: 0.167 ms
Remote clock offset: -2.96 ms
```

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

Flow 1 ingress (mean 245.43 Mbit/s)   Flow 1 egress (mean 243.37 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -0.971 ms)
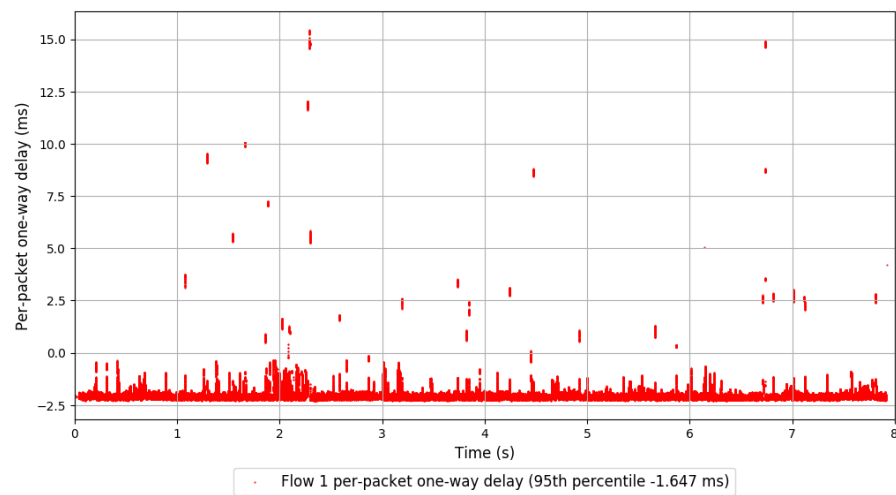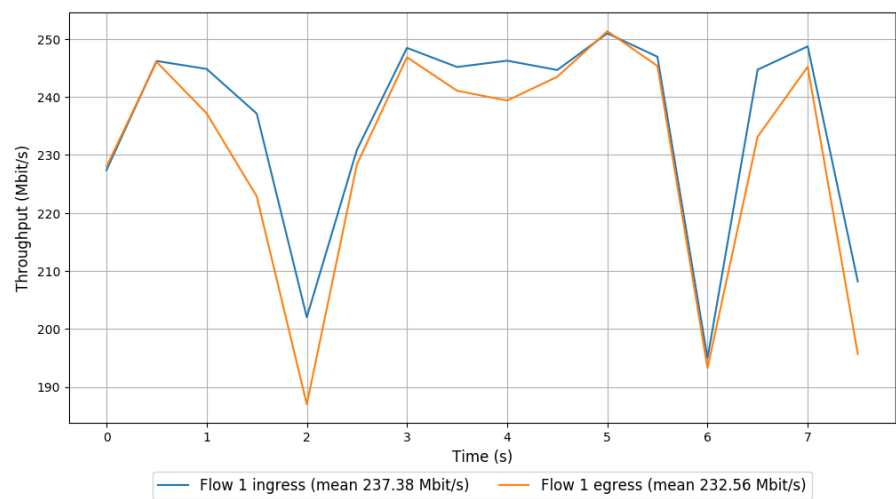
231

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

Start at: Wed, 05 Jul 2017 12:06:11 +0000
End at: Wed, 05 Jul 2017 12:06:41 +0000
Local clock offset: 0.116 ms
Remote clock offset: -2.85 ms
```

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

Flow 1 ingress (mean 223.25 Mbit/s)   Flow 1 egress (mean 217.42 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.303 ms)

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

Start at: Wed, 05 Jul 2017 12:24:26 +0000
End at: Wed, 05 Jul 2017 12:24:56 +0000
Local clock offset: 0.057 ms
Remote clock offset: -2.906 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:30:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: -1.711 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: -1.711 ms
Loss rate: 2.95%
```
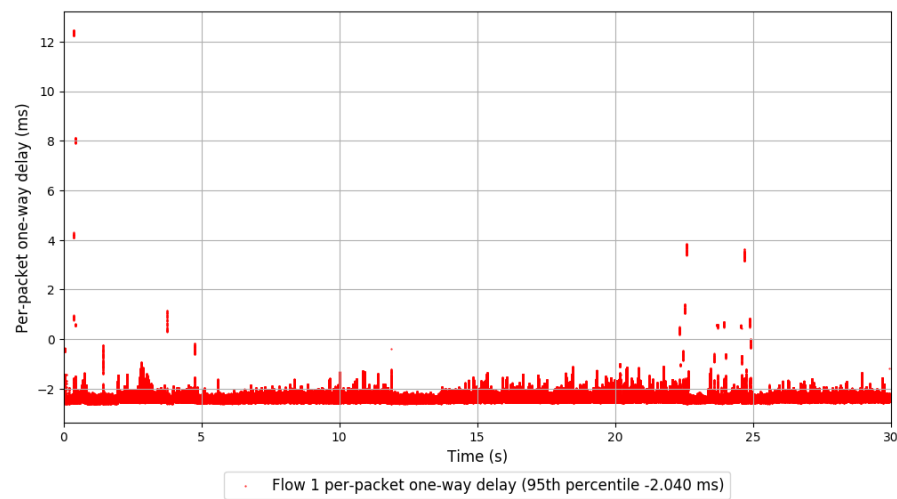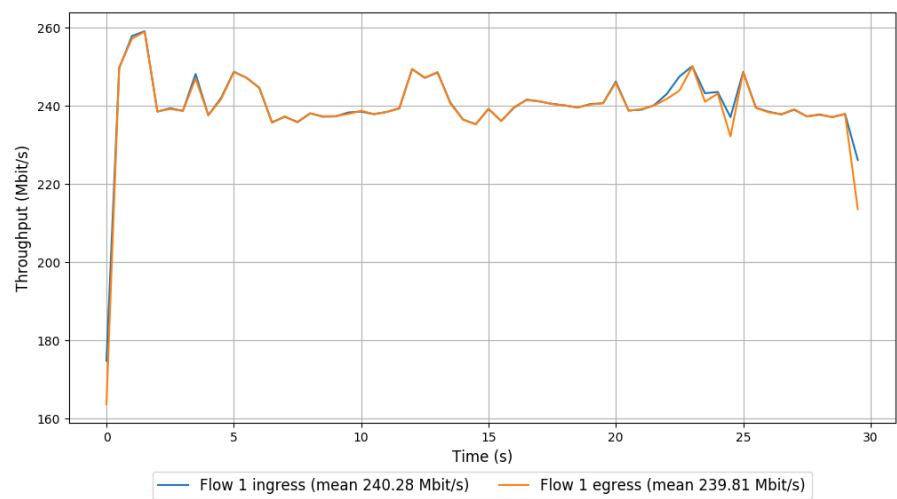
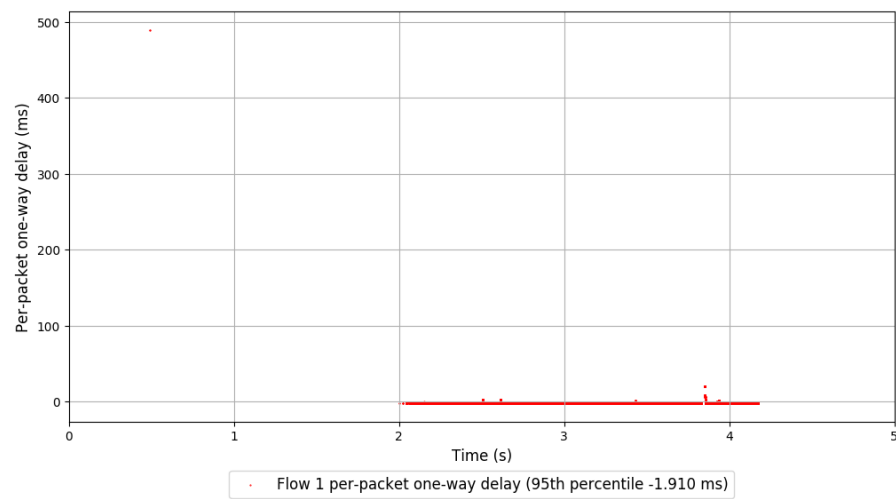Run 6: Report of TaoVA-100x — Data Link

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

Start at: Wed, 05 Jul 2017 12:42:52 +0000
End at: Wed, 05 Jul 2017 12:43:22 +0000
Local clock offset: 0.234 ms
Remote clock offset: -3.064 ms
```

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

Flow 1 ingress (mean 237.38 Mbit/s)   Flow 1 egress (mean 232.56 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.647 ms)
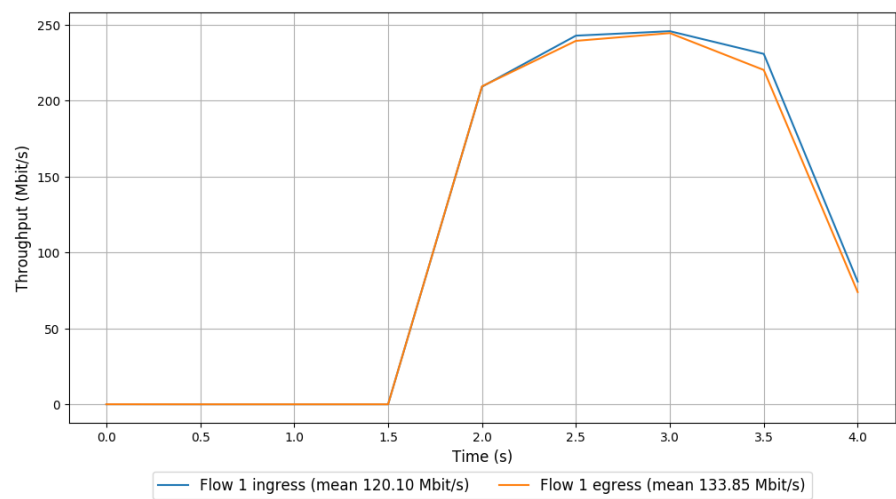
```
Run 8: Statistics of TaoVA-100x

Start at: Wed, 05 Jul 2017 13:02:15 +0000
End at: Wed, 05 Jul 2017 13:02:45 +0000
Local clock offset: 0.435 ms
Remote clock offset: -3.139 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:33:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.81 Mbit/s
95th percentile per-packet one-way delay: -2.040 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 239.81 Mbit/s
95th percentile per-packet one-way delay: -2.040 ms
Loss rate: 0.27%
```
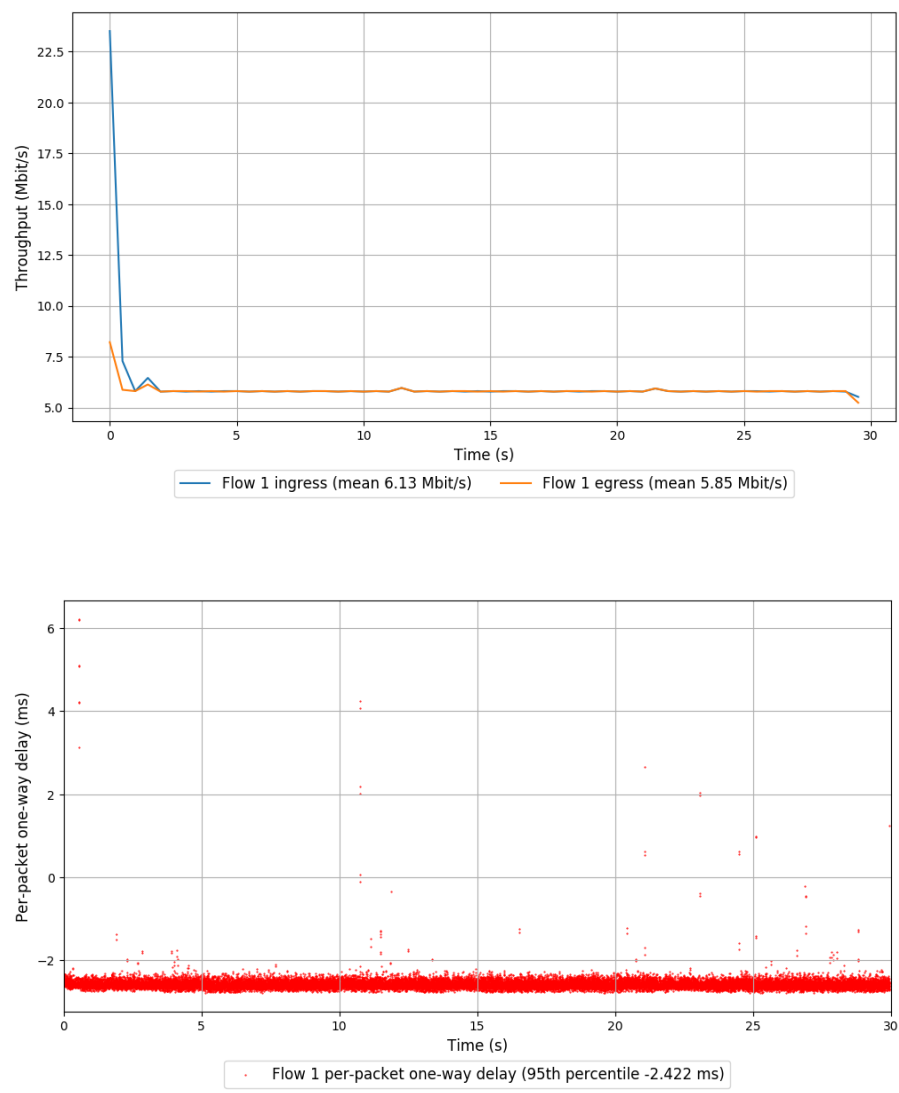
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 240.28 Mbit/s) — Flow 1 egress (mean 239.81 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.040 ms)

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

Start at: Wed, 05 Jul 2017 13:21:55 +0000
End at: Wed, 05 Jul 2017 13:22:25 +0000
Local clock offset: 0.424 ms
Remote clock offset: -2.923 ms
```

Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 120.10 Mbit/s)   Flow 1 egress (mean 133.85 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.910 ms)

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

Start at: Wed, 05 Jul 2017 13:41:04 +0000
End at: Wed, 05 Jul 2017 13:41:34 +0000
Local clock offset: 0.48 ms
Remote clock offset: -3.19 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:33:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: -2.422 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 5.85 Mbit/s
95th percentile per-packet one-way delay: -2.422 ms
Loss rate: 4.71%
```
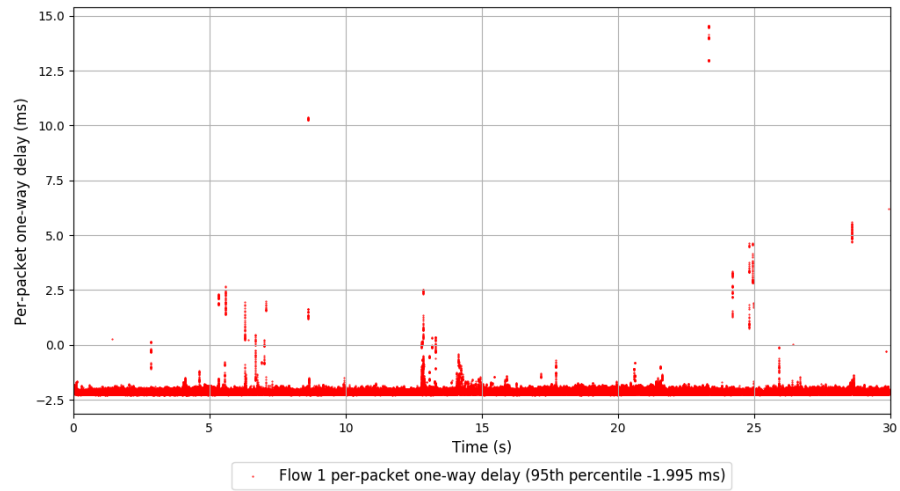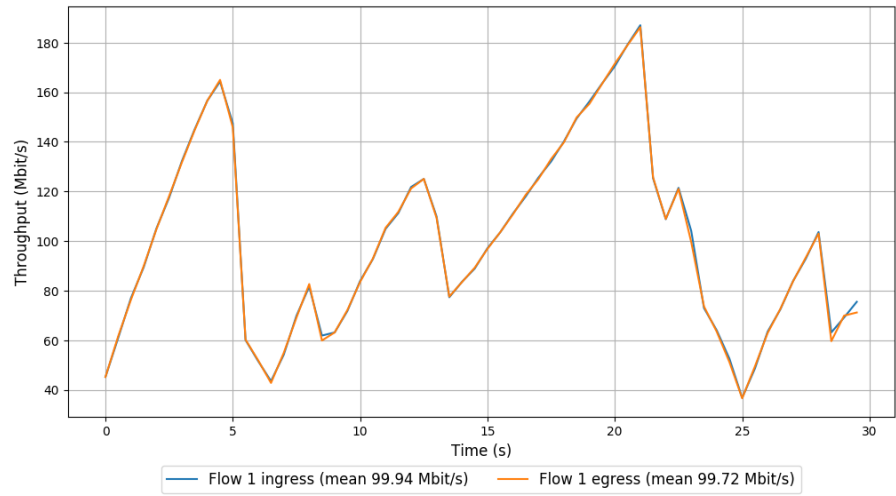
Run 10: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 6.13 Mbit/s)   Flow 1 egress (mean 5.85 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.422 ms)

```
Run 1: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 10:31:47 +0000
End at: Wed, 05 Jul 2017 10:32:17 +0000
Local clock offset: 0.387 ms
Remote clock offset: -2.878 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:33:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.72 Mbit/s
95th percentile per-packet one-way delay: -1.995 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 99.72 Mbit/s
95th percentile per-packet one-way delay: -1.995 ms
Loss rate: 0.25%
```
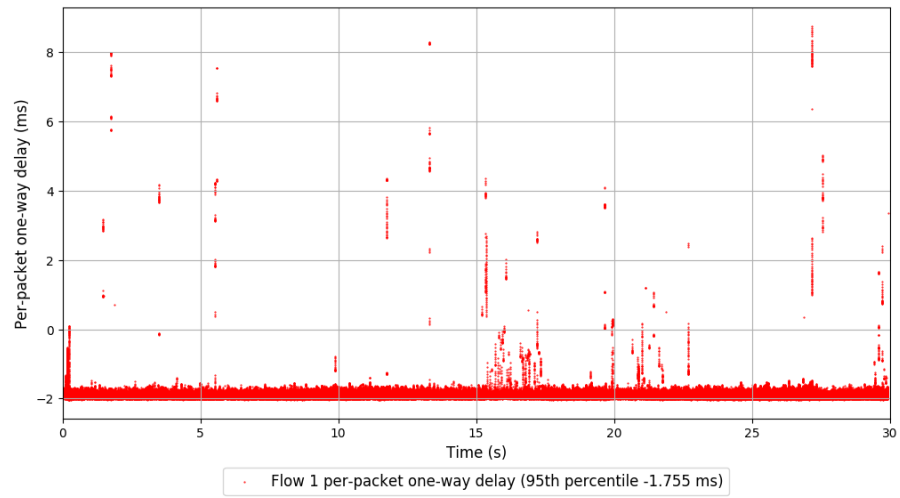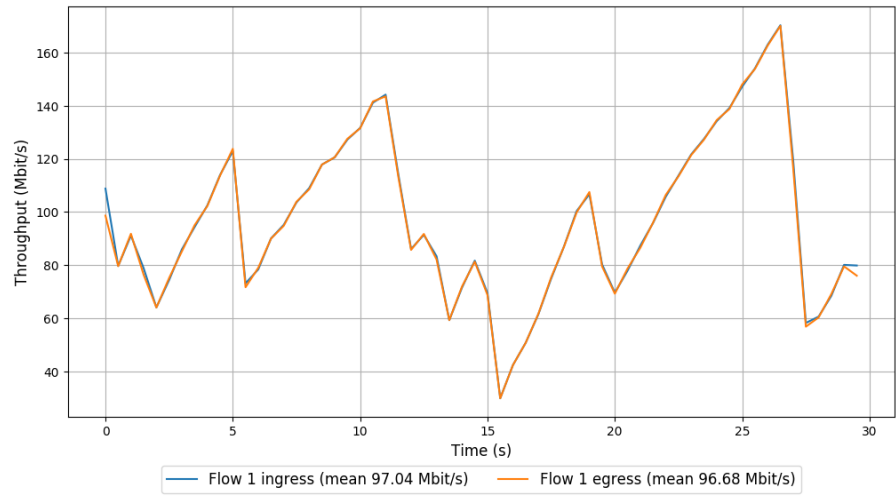
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 10:51:10 +0000
End at: Wed, 05 Jul 2017 10:51:40 +0000
Local clock offset: 0.219 ms
Remote clock offset: -2.759 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:33:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: -1.755 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: -1.755 ms
Loss rate: 0.41%
```
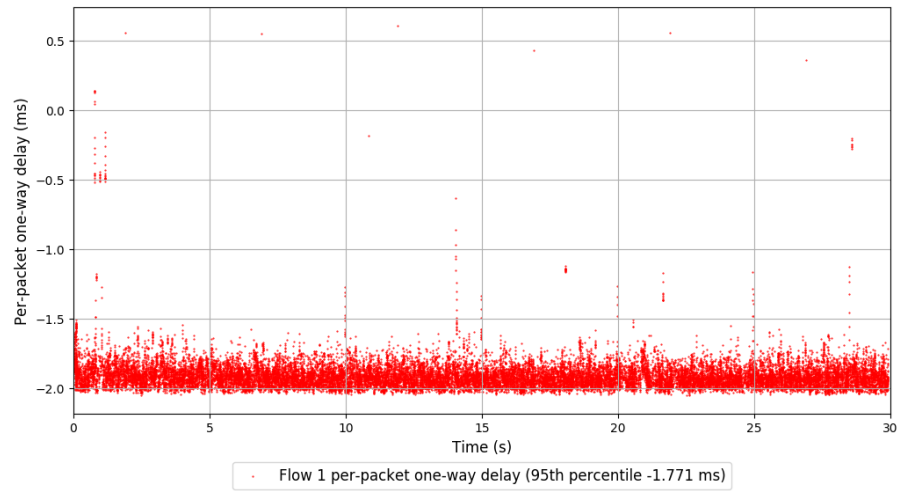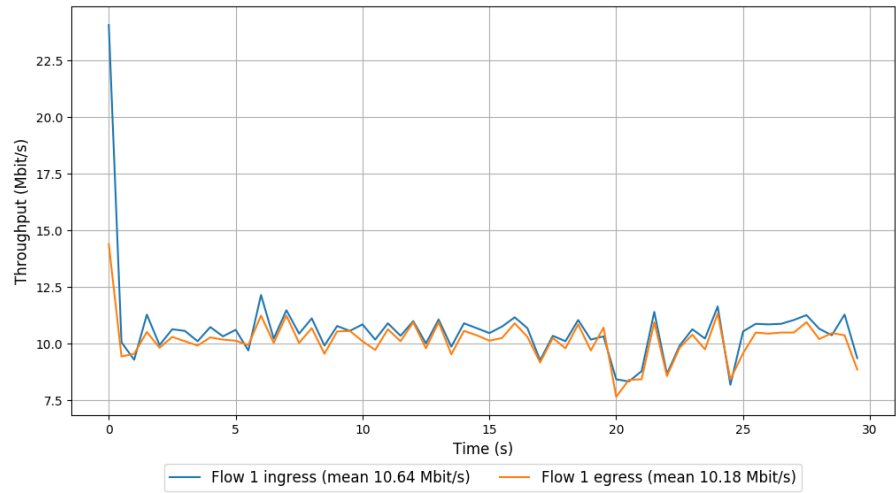
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 11:10:09 +0000
End at: Wed, 05 Jul 2017 11:10:39 +0000
Local clock offset: 0.243 ms
Remote clock offset: -2.788 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:33:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.18 Mbit/s
95th percentile per-packet one-way delay: -1.771 ms
Loss rate: 4.42%
-- Flow 1:
Average throughput: 10.18 Mbit/s
95th percentile per-packet one-way delay: -1.771 ms
Loss rate: 4.42%
```
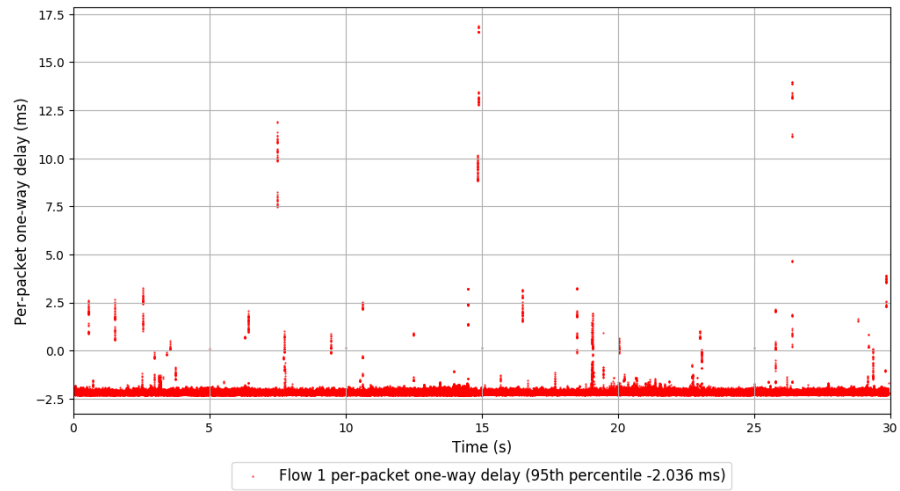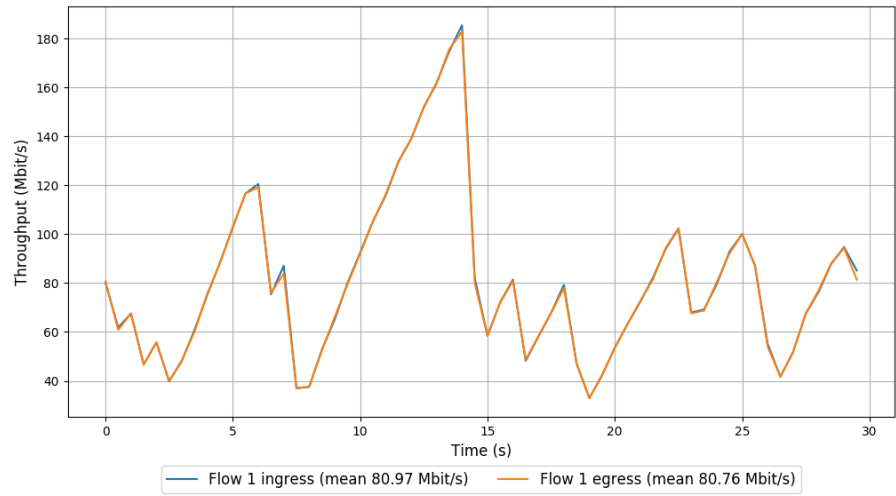
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 10.64 Mbit/s) — Flow 1 egress (mean 10.18 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.771 ms)

```
Run 4: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 11:28:40 +0000
End at: Wed, 05 Jul 2017 11:29:10 +0000
Local clock offset: 0.132 ms
Remote clock offset: -3.087 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:33:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: -2.036 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: -2.036 ms
Loss rate: 0.30%
```

Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 11:48:07 +0000
End at: Wed, 05 Jul 2017 11:48:37 +0000
Local clock offset: 0.15 ms
Remote clock offset: -2.887 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:34:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: -1.798 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 81.48 Mbit/s
95th percentile per-packet one-way delay: -1.798 ms
Loss rate: 0.28%
```
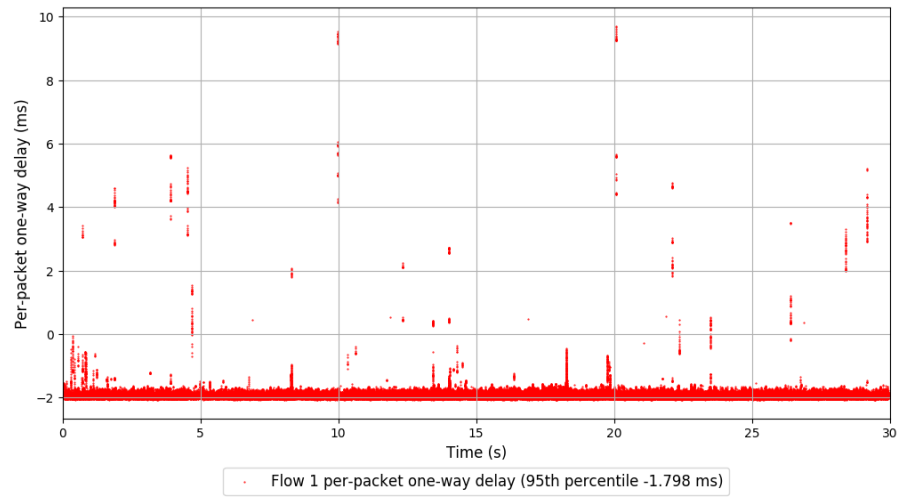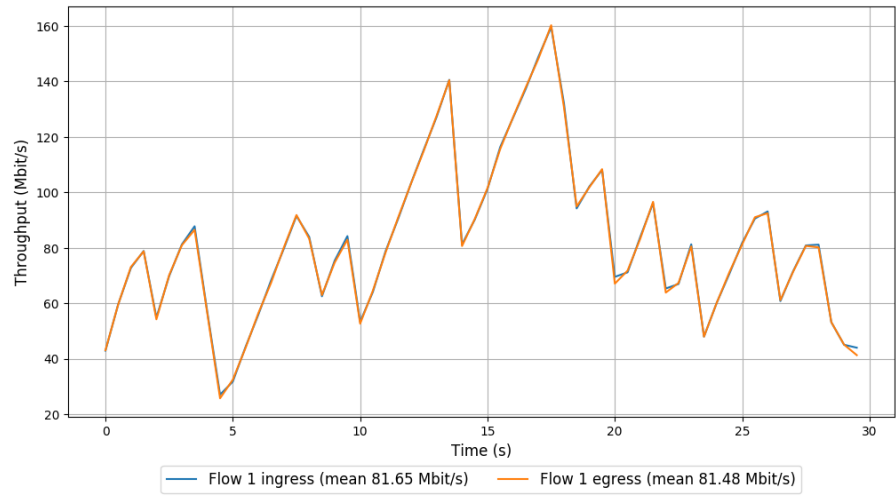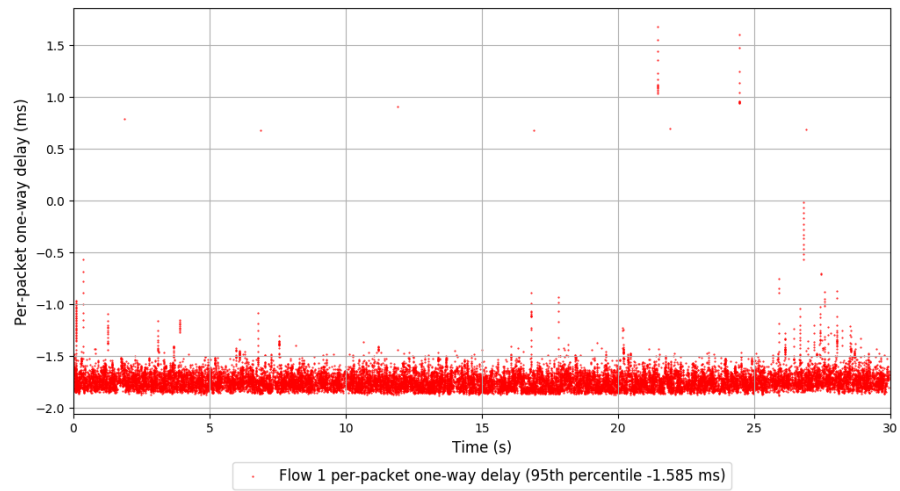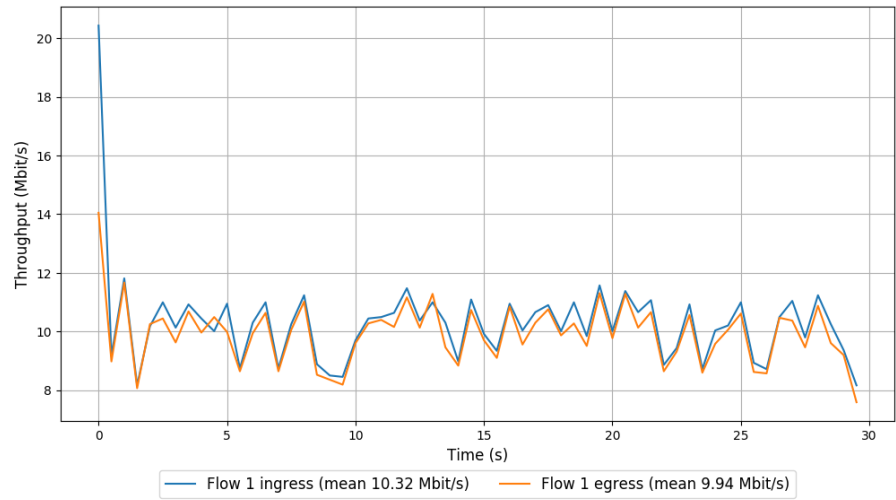
Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 81.65 Mbit/s) — Flow 1 egress (mean 81.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.798 ms)

```
Run 6: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 12:07:34 +0000
End at: Wed, 05 Jul 2017 12:08:04 +0000
Local clock offset: 0.104 ms
Remote clock offset: -2.759 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:34:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.94 Mbit/s
95th percentile per-packet one-way delay: -1.585 ms
Loss rate: 3.70%
-- Flow 1:
Average throughput: 9.94 Mbit/s
95th percentile per-packet one-way delay: -1.585 ms
Loss rate: 3.70%
```
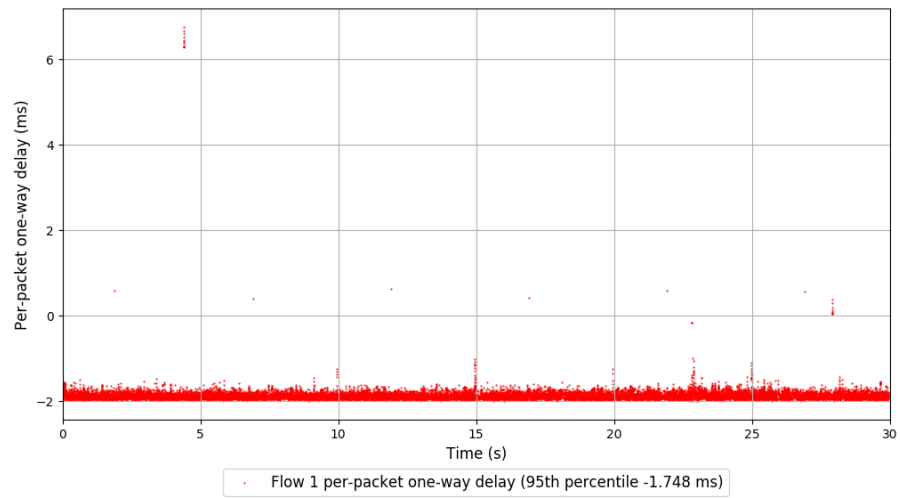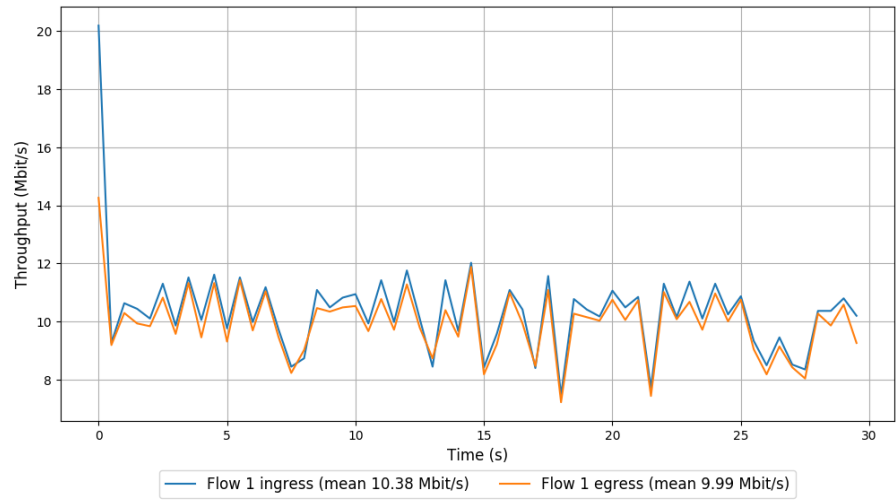
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 10.32 Mbit/s) ——— Flow 1 egress (mean 9.94 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.585 ms)

```
Run 7: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 12:25:37 +0000
End at: Wed, 05 Jul 2017 12:26:07 +0000
Local clock offset: 0.093 ms
Remote clock offset: -2.92 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:34:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.99 Mbit/s
95th percentile per-packet one-way delay: -1.748 ms
Loss rate: 3.82%
-- Flow 1:
Average throughput: 9.99 Mbit/s
95th percentile per-packet one-way delay: -1.748 ms
Loss rate: 3.82%
```

Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 12:44:08 +0000
End at: Wed, 05 Jul 2017 12:44:38 +0000
Local clock offset: 0.265 ms
Remote clock offset: -3.089 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:34:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.01 Mbit/s
95th percentile per-packet one-way delay: -2.049 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 78.01 Mbit/s
95th percentile per-packet one-way delay: -2.049 ms
Loss rate: 0.37%
```
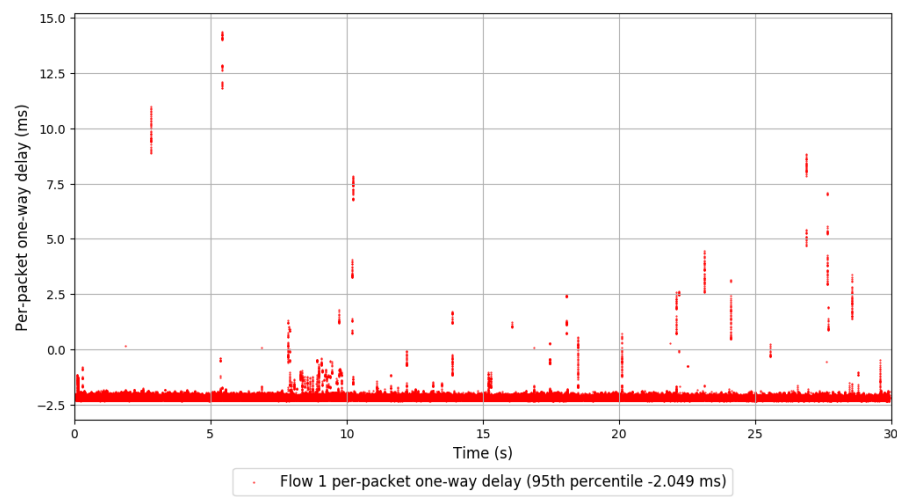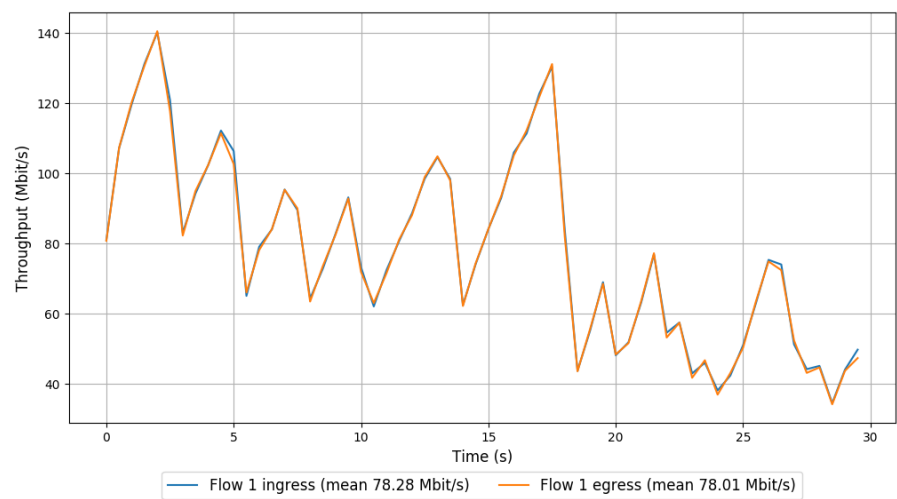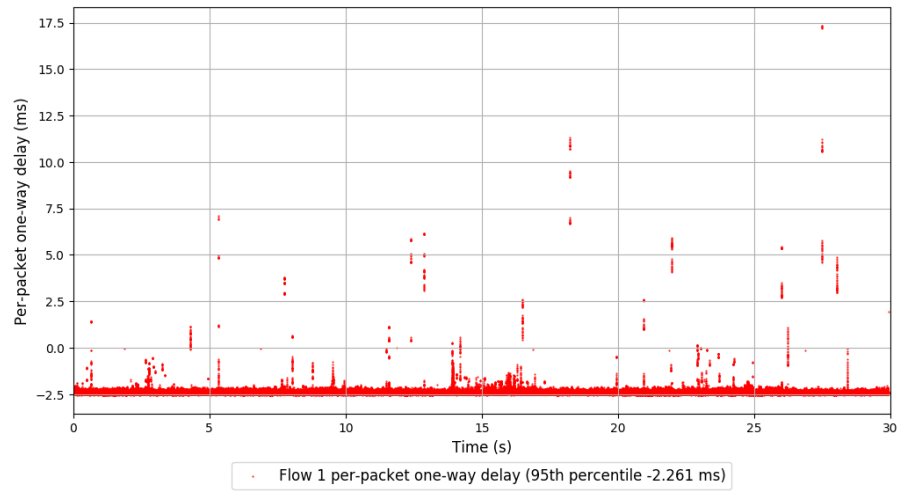
Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 13:03:46 +0000
End at: Wed, 05 Jul 2017 13:04:16 +0000
Local clock offset: 0.43 ms
Remote clock offset: -3.17 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:34:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: -2.261 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: -2.261 ms
Loss rate: 0.30%
```
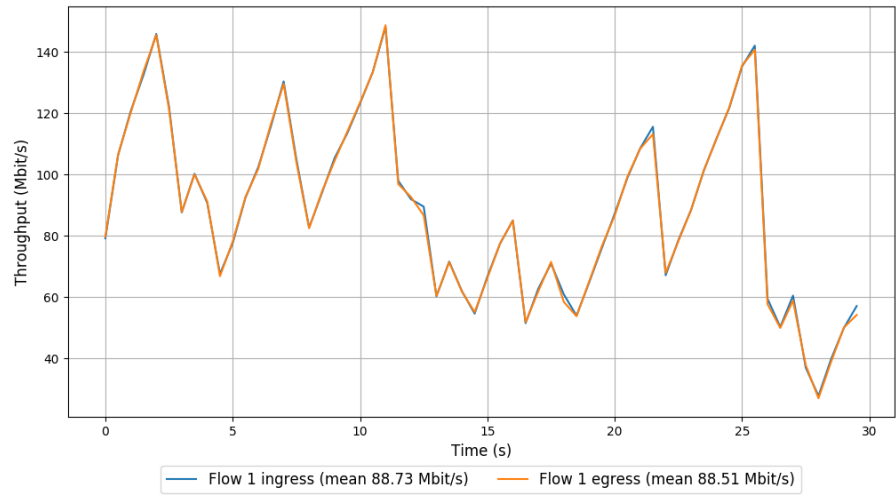
Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: Wed, 05 Jul 2017 13:23:07 +0000
End at: Wed, 05 Jul 2017 13:23:37 +0000
Local clock offset: 0.459 ms
Remote clock offset: -2.865 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:35:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.54 Mbit/s
95th percentile per-packet one-way delay: -2.073 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 98.54 Mbit/s
95th percentile per-packet one-way delay: -2.073 ms
Loss rate: 0.24%
```
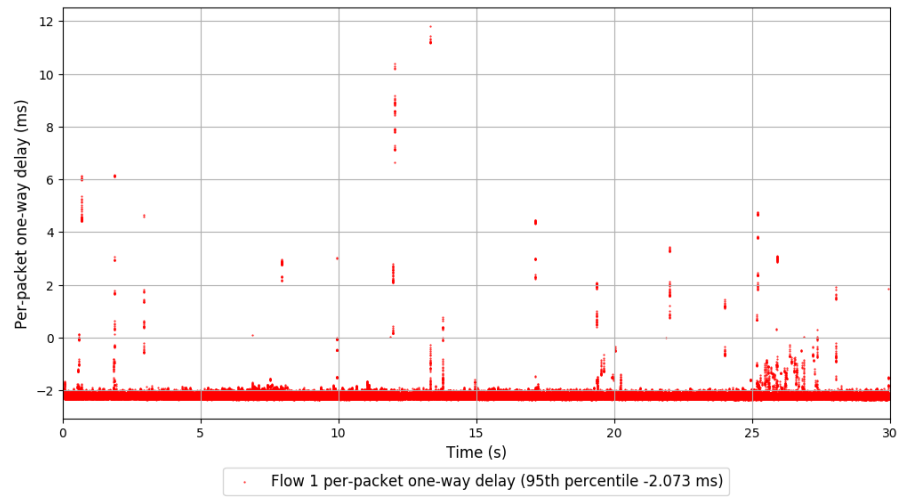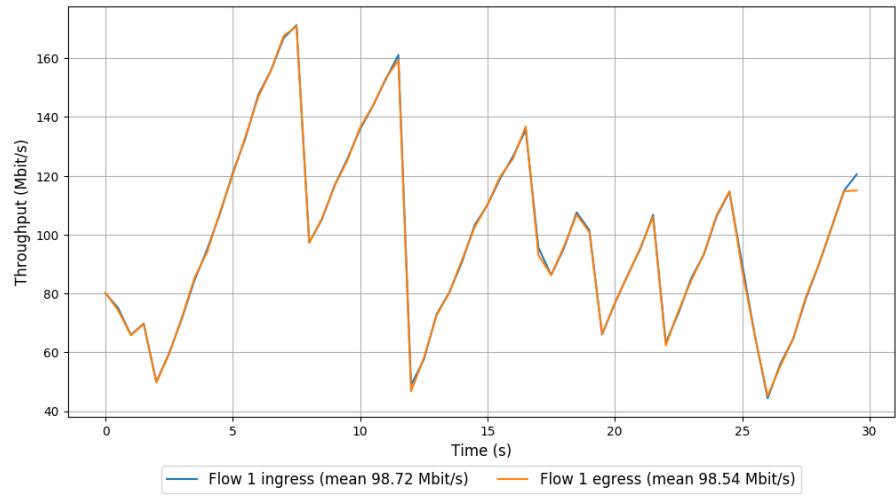
Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 98.72 Mbit/s)   Flow 1 egress (mean 98.54 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.073 ms)

```
Run 1: Statistics of Verus

Start at: Wed, 05 Jul 2017 10:42:15 +0000
End at: Wed, 05 Jul 2017 10:42:45 +0000
Local clock offset: 0.284 ms
Remote clock offset: -2.677 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:36:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 139.40 Mbit/s
95th percentile per-packet one-way delay: 0.366 ms
Loss rate: 49.94%
-- Flow 1:
Average throughput: 139.40 Mbit/s
95th percentile per-packet one-way delay: 0.366 ms
Loss rate: 49.94%
```
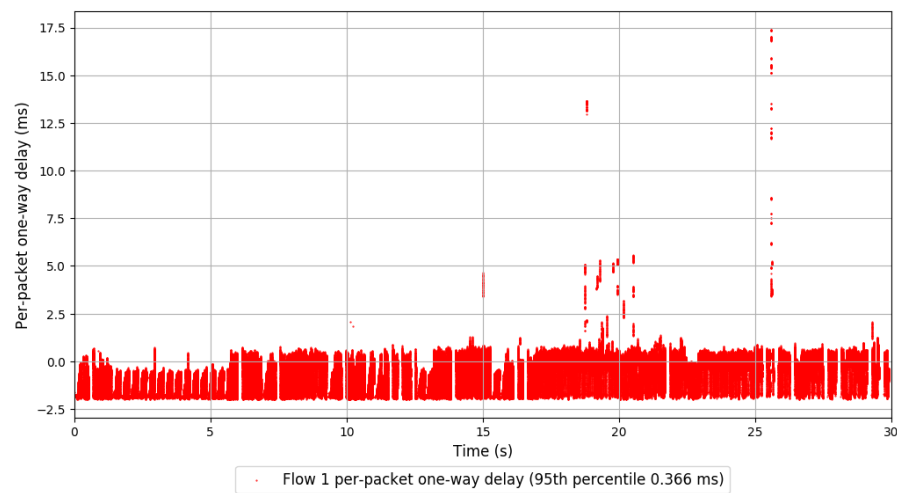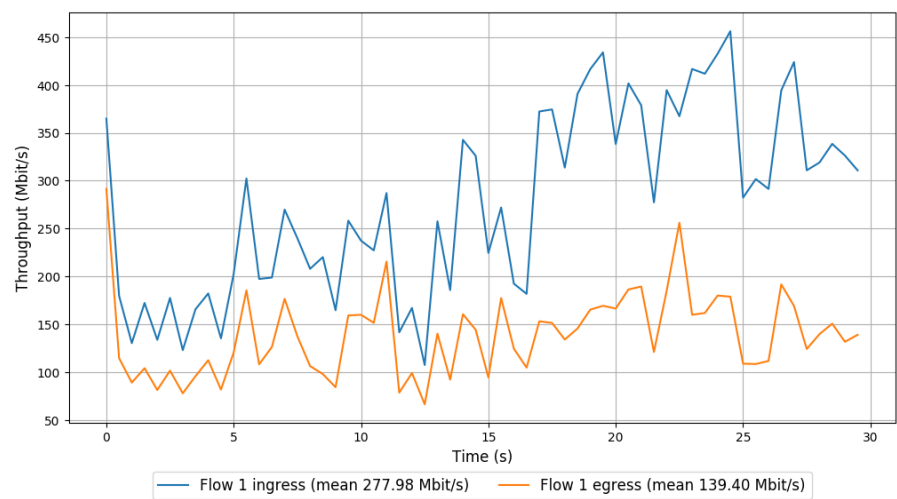
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: Wed, 05 Jul 2017 11:01:39 +0000
End at: Wed, 05 Jul 2017 11:02:09 +0000
Local clock offset: 0.263 ms
Remote clock offset: -2.741 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:36:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: -0.672 ms
Loss rate: 96.49%
-- Flow 1:
Average throughput: 6.27 Mbit/s
95th percentile per-packet one-way delay: -0.672 ms
Loss rate: 96.49%
```
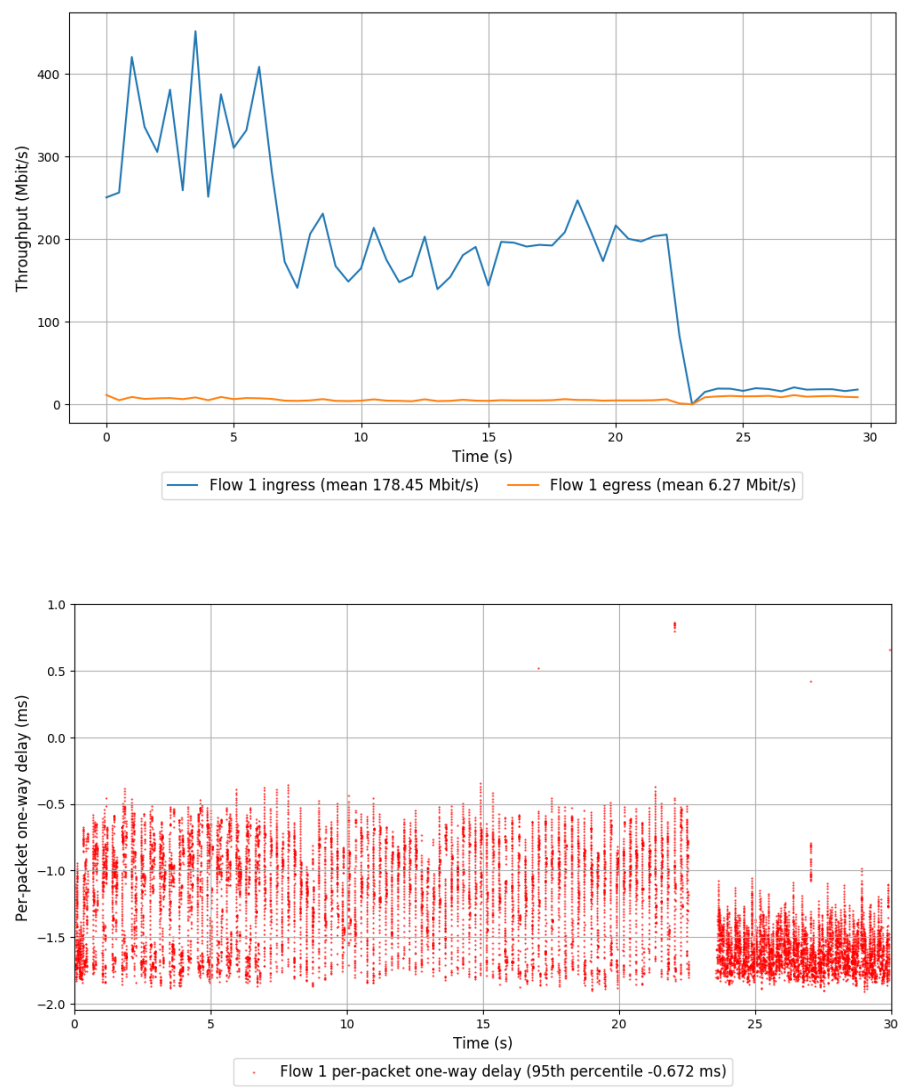
Run 2: Report of Verus — Data Link

Flow 1 ingress (mean 178.45 Mbit/s) — Flow 1 egress (mean 6.27 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -0.672 ms)

```
Run 3: Statistics of Verus

Start at: Wed, 05 Jul 2017 11:19:39 +0000
End at: Wed, 05 Jul 2017 11:20:09 +0000
Local clock offset: 0.132 ms
Remote clock offset: -3.019 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:36:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: -1.158 ms
Loss rate: 94.75%
-- Flow 1:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: -1.158 ms
Loss rate: 94.75%
```
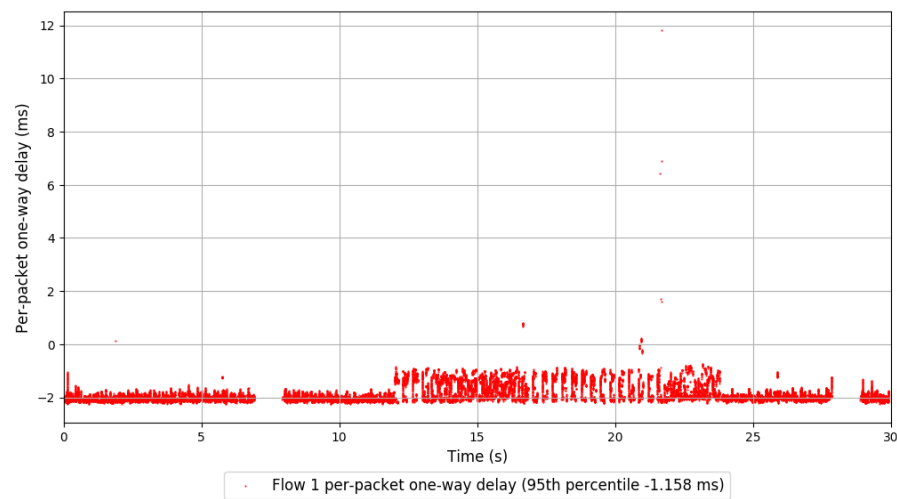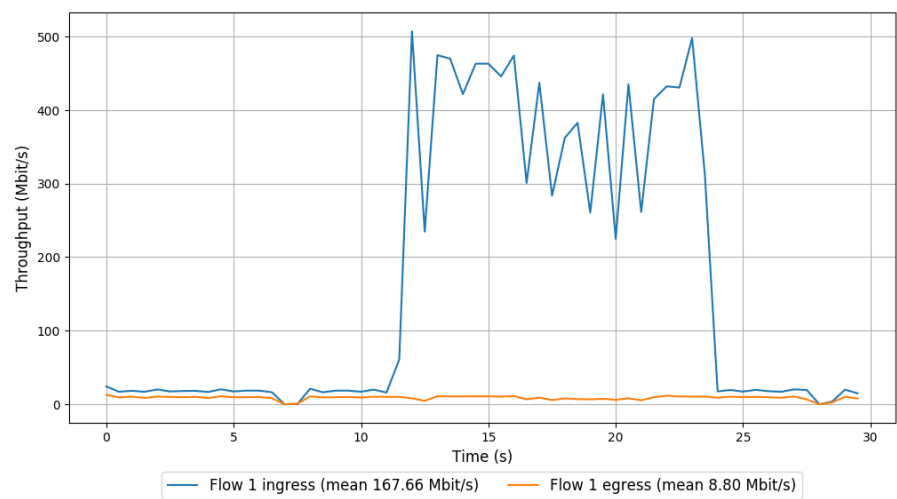
Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 167.66 Mbit/s)   Flow 1 egress (mean 8.80 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.158 ms)

```
Run 4: Statistics of Verus

Start at: Wed, 05 Jul 2017 11:39:11 +0000
End at: Wed, 05 Jul 2017 11:39:41 +0000
Local clock offset: 0.163 ms
Remote clock offset: -2.982 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:37:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 127.89 Mbit/s
95th percentile per-packet one-way delay: 0.531 ms
Loss rate: 51.66%
-- Flow 1:
Average throughput: 127.89 Mbit/s
95th percentile per-packet one-way delay: 0.531 ms
Loss rate: 51.66%
```
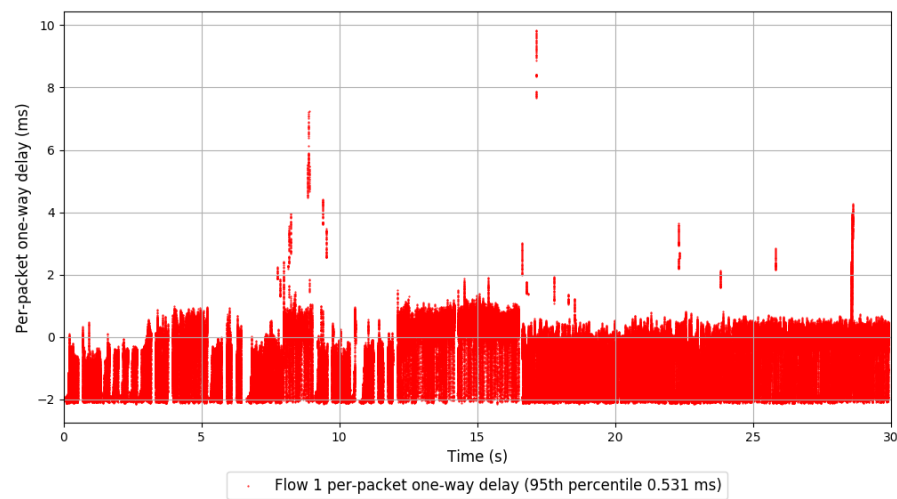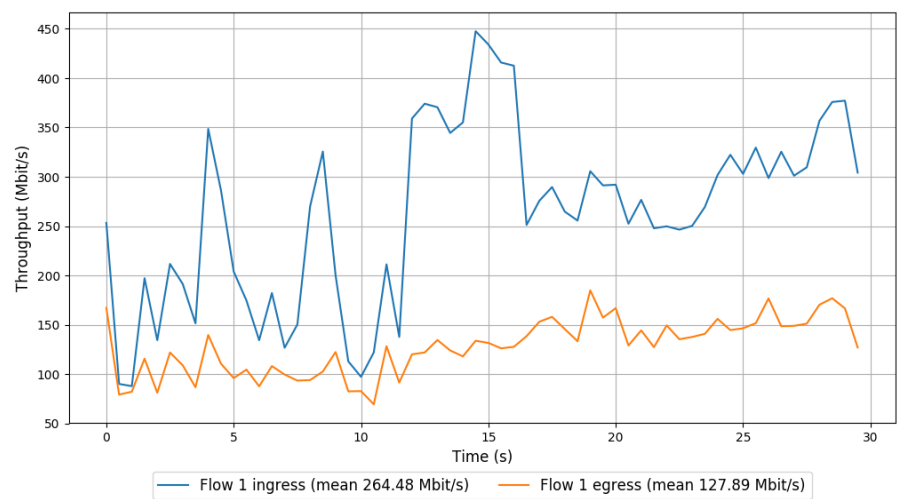
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: Wed, 05 Jul 2017 11:58:29 +0000
End at: Wed, 05 Jul 2017 11:58:59 +0000
Local clock offset: 0.036 ms
Remote clock offset: -2.843 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:37:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.09 Mbit/s
95th percentile per-packet one-way delay: 0.445 ms
Loss rate: 47.84%
-- Flow 1:
Average throughput: 130.09 Mbit/s
95th percentile per-packet one-way delay: 0.445 ms
Loss rate: 47.84%
```
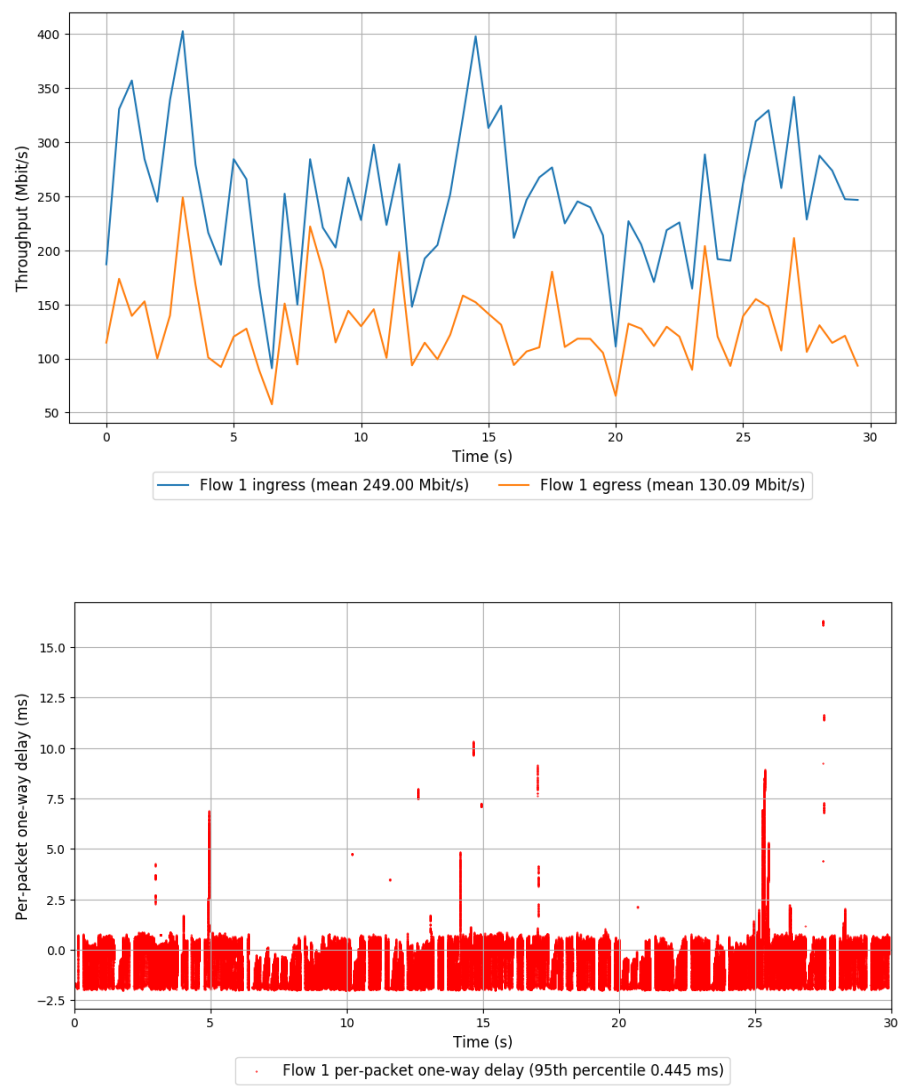
Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 249.00 Mbit/s)   Flow 1 egress (mean 130.09 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 0.445 ms)

```
Run 6: Statistics of Verus

Start at: Wed, 05 Jul 2017 12:17:03 +0000
End at: Wed, 05 Jul 2017 12:17:33 +0000
Local clock offset: 0.133 ms
Remote clock offset: -2.847 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:37:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: -0.824 ms
Loss rate: 96.92%
-- Flow 1:
Average throughput: 6.85 Mbit/s
95th percentile per-packet one-way delay: -0.824 ms
Loss rate: 96.92%
```
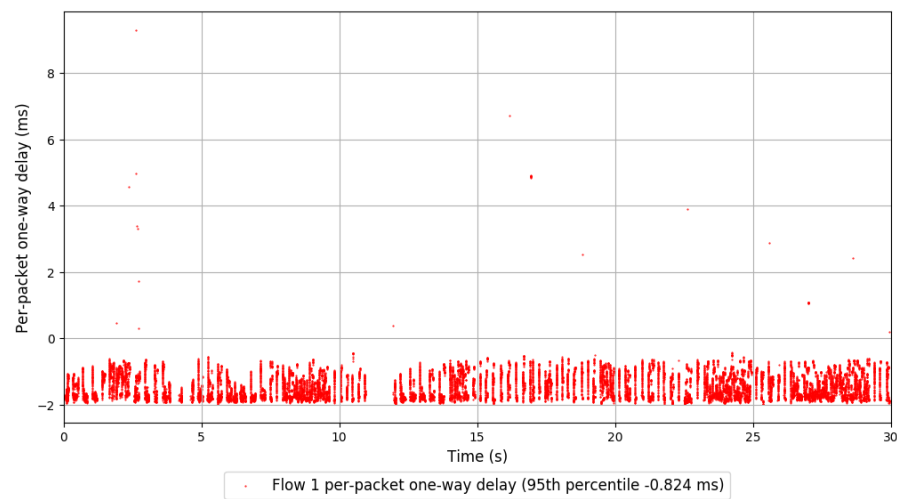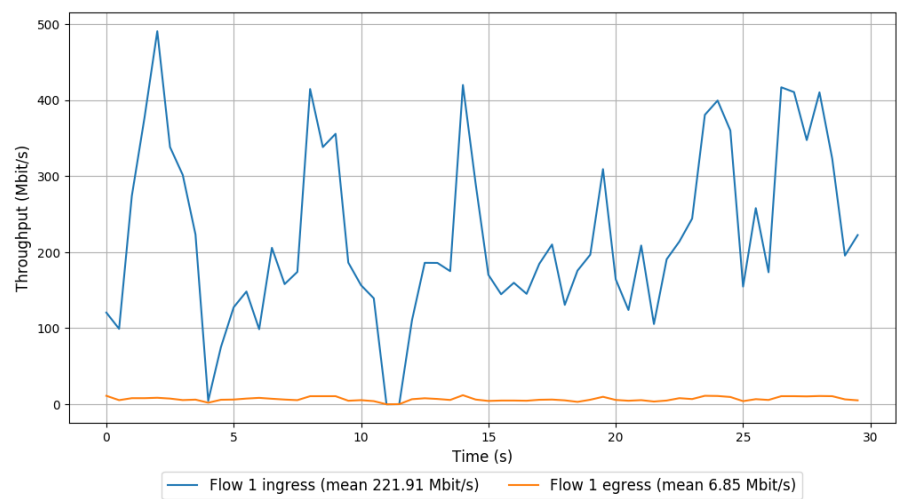
Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 221.91 Mbit/s) ———— Flow 1 egress (mean 6.85 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile -0.824 ms)

```
Run 7: Statistics of Verus

Start at: Wed, 05 Jul 2017 12:35:05 +0000
End at: Wed, 05 Jul 2017 12:35:35 +0000
Local clock offset: 0.092 ms
Remote clock offset: -2.975 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:37:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: -0.969 ms
Loss rate: 93.86%
-- Flow 1:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: -0.969 ms
Loss rate: 93.86%
```
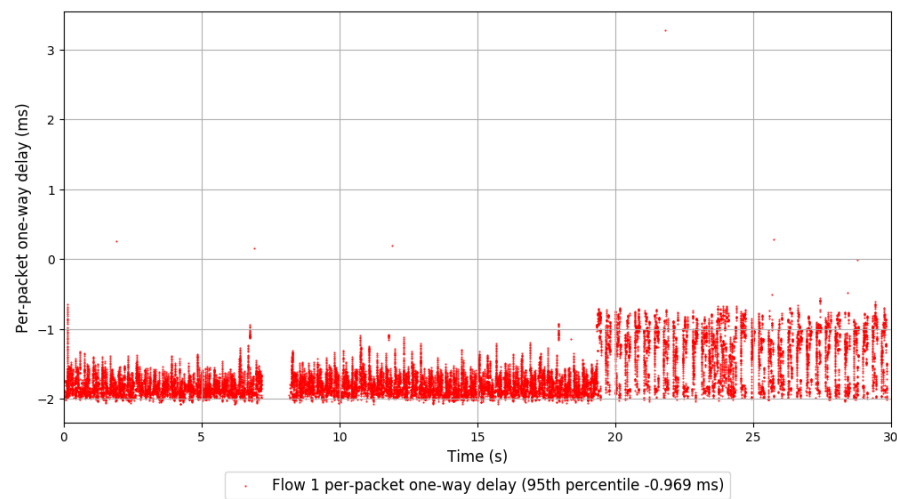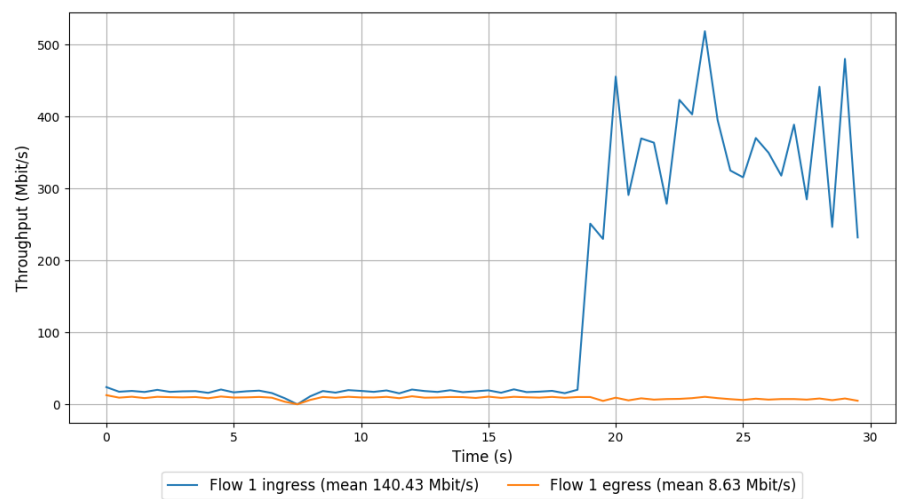
Run 7: Report of Verus — Data Link

Flow 1 ingress (mean 140.43 Mbit/s) ——— Flow 1 egress (mean 8.63 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -0.969 ms)

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```
Run 8: Statistics of Verus

Start at: Wed, 05 Jul 2017 12:54:33 +0000
End at: Wed, 05 Jul 2017 12:55:03 +0000
Local clock offset: 0.354 ms
Remote clock offset: -3.345 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:38:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.89 Mbit/s
95th percentile per-packet one-way delay: 0.835 ms
Loss rate: 54.02%
-- Flow 1:
Average throughput: 122.89 Mbit/s
95th percentile per-packet one-way delay: 0.835 ms
Loss rate: 54.02%
```
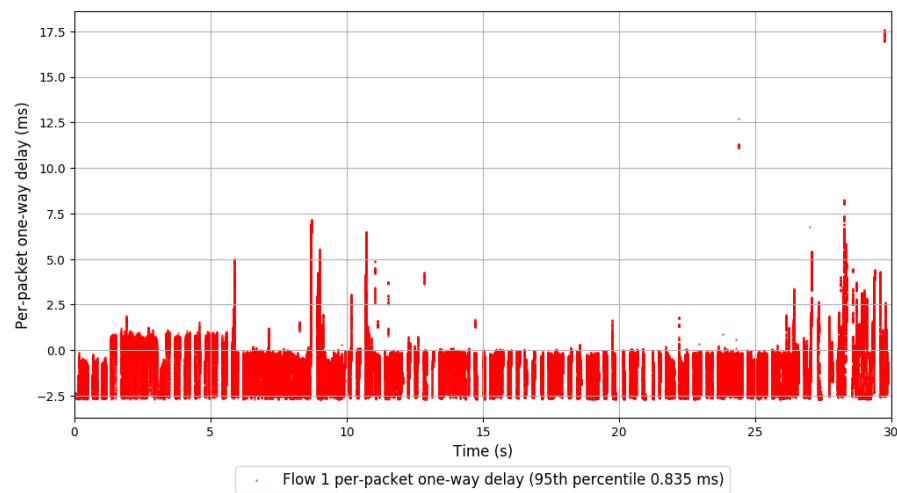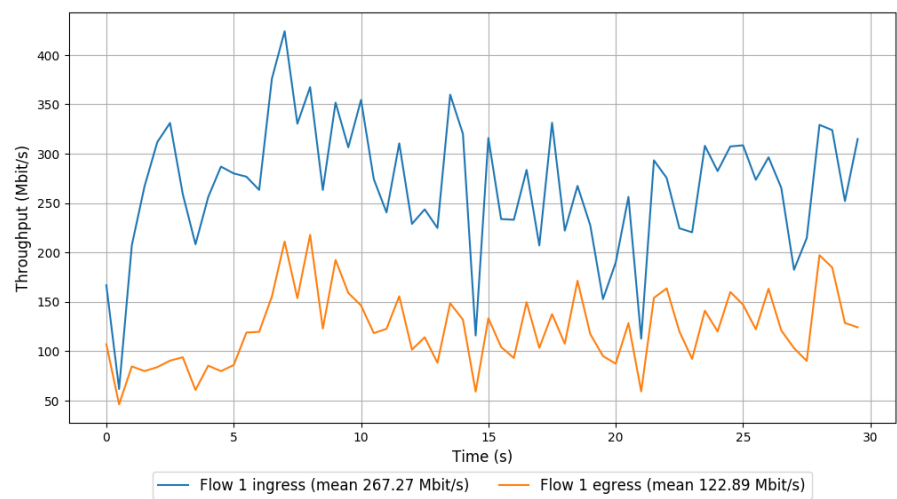
Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 267.27 Mbit/s)　　　Flow 1 egress (mean 122.89 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 0.835 ms)

```
Run 9: Statistics of Verus

Start at: Wed, 05 Jul 2017 13:14:13 +0000
End at: Wed, 05 Jul 2017 13:14:43 +0000
Local clock offset: 0.388 ms
Remote clock offset: -2.95 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:39:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.48 Mbit/s
95th percentile per-packet one-way delay: 0.061 ms
Loss rate: 53.34%
-- Flow 1:
Average throughput: 151.48 Mbit/s
95th percentile per-packet one-way delay: 0.061 ms
Loss rate: 53.34%
```
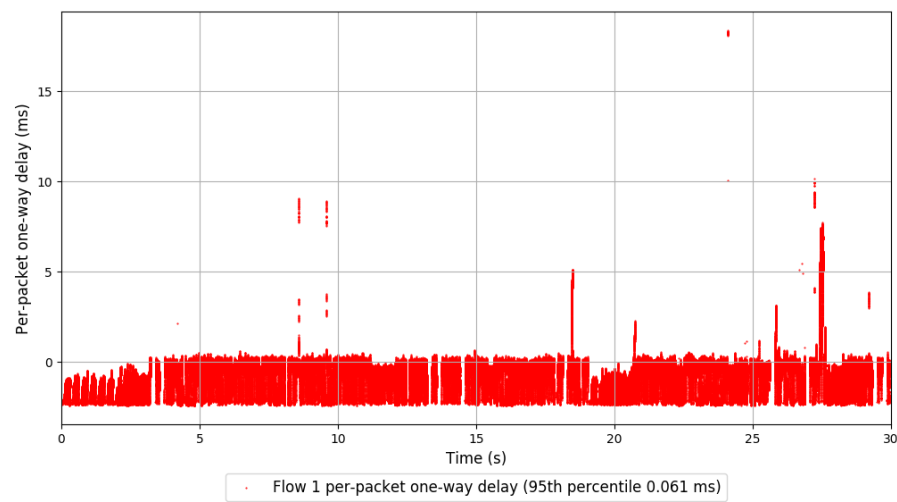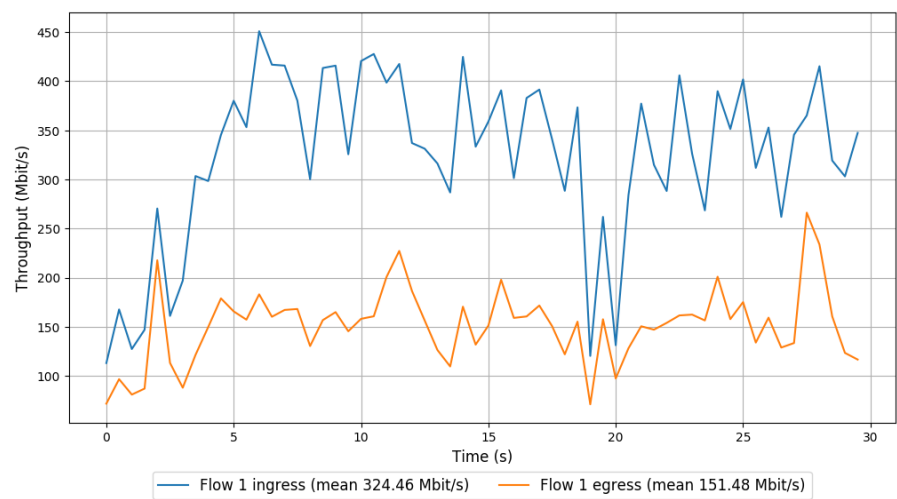
Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 324.46 Mbit/s)　Flow 1 egress (mean 151.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 0.061 ms)

```
Run 10: Statistics of Verus

Start at: Wed, 05 Jul 2017 13:33:43 +0000
End at: Wed, 05 Jul 2017 13:34:13 +0000
Local clock offset: 0.475 ms
Remote clock offset: -3.053 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:39:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: -1.312 ms
Loss rate: 96.15%
-- Flow 1:
Average throughput: 8.48 Mbit/s
95th percentile per-packet one-way delay: -1.312 ms
Loss rate: 96.15%
```
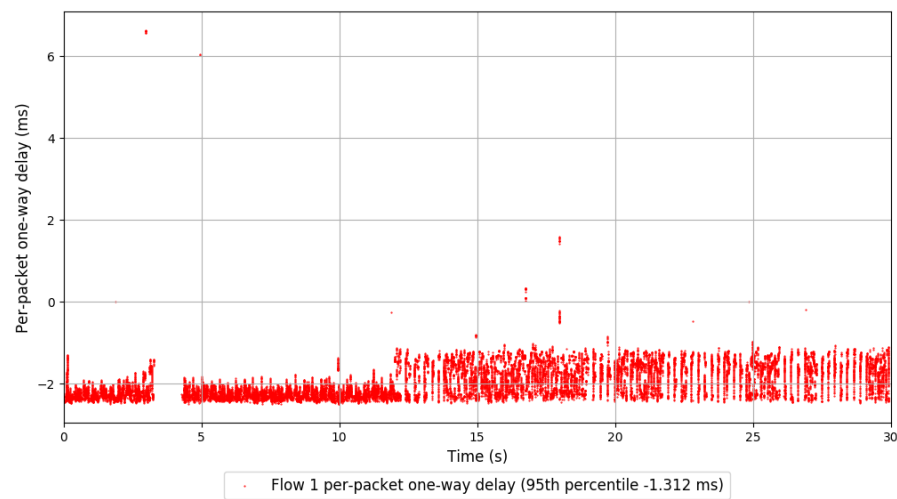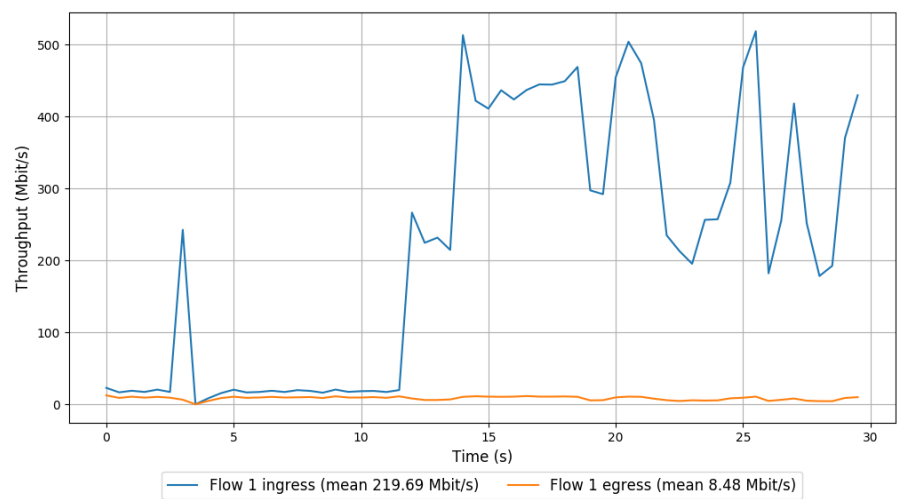
Run 10: Report of Verus — Data Link

Flow 1 ingress (mean 219.69 Mbit/s) —— Flow 1 egress (mean 8.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -1.312 ms)

```
Run 1: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 10:41:05 +0000
End at: Wed, 05 Jul 2017 10:41:35 +0000
Local clock offset: 0.401 ms
Remote clock offset: -2.706 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:39:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: -1.696 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: -1.696 ms
Loss rate: 0.00%
```
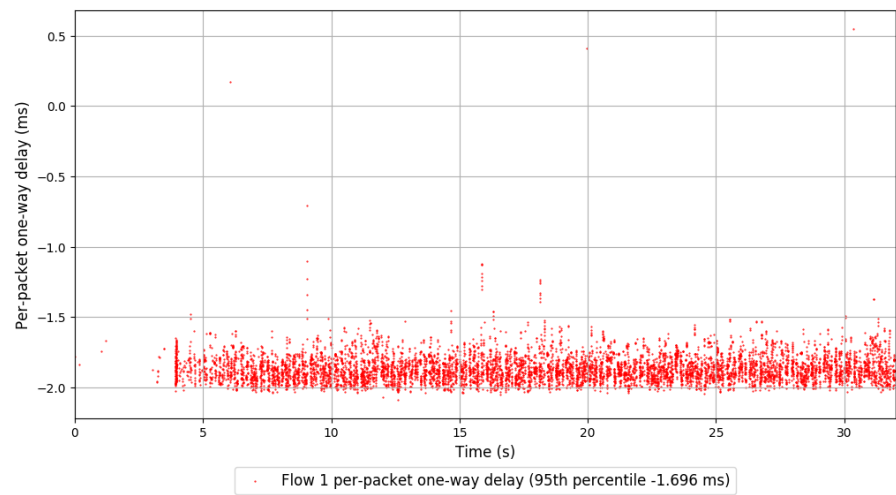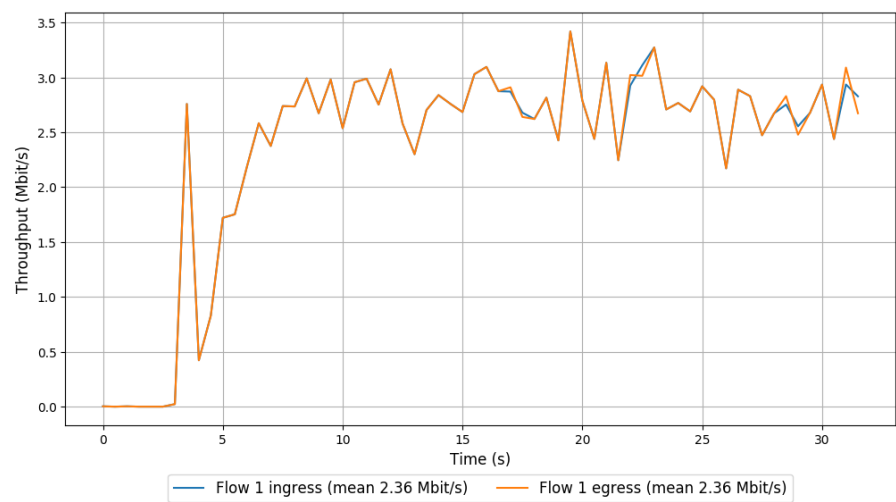
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 11:00:29 +0000
End at: Wed, 05 Jul 2017 11:00:59 +0000
Local clock offset: 0.175 ms
Remote clock offset: -2.718 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:39:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -1.570 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -1.570 ms
Loss rate: 0.00%
```
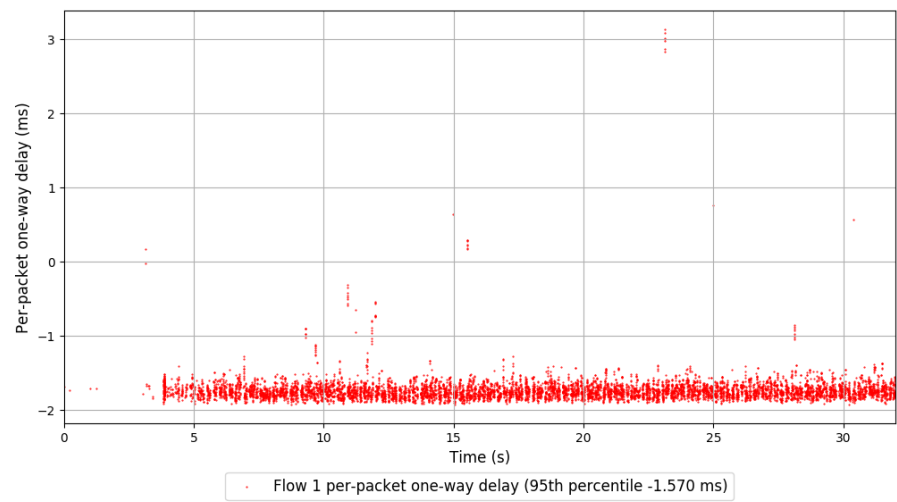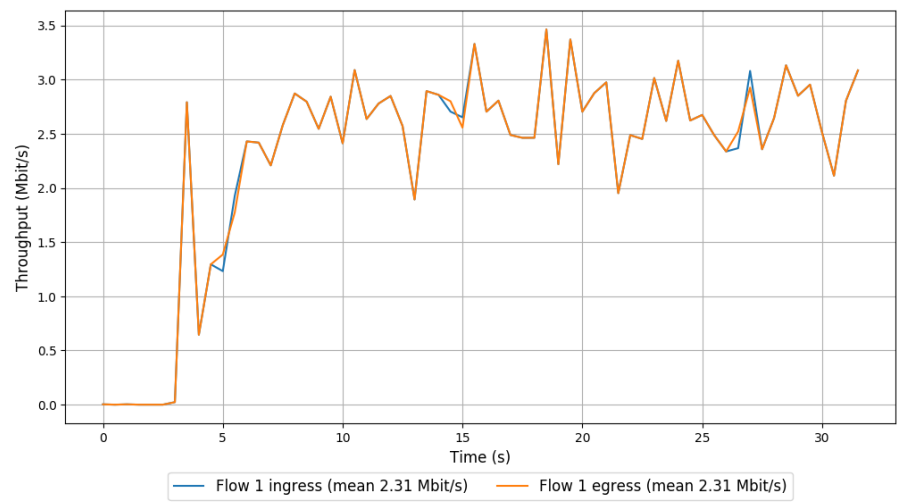
Run 2: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.31 Mbit/s) —— Flow 1 egress (mean 2.31 Mbit/s)

. Flow 1 per-packet one-way delay (95th percentile -1.570 ms)

```
Run 3: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 11:18:29 +0000
End at: Wed, 05 Jul 2017 11:18:59 +0000
Local clock offset: 0.189 ms
Remote clock offset: -3.112 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:39:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -1.932 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -1.932 ms
Loss rate: 0.16%
```
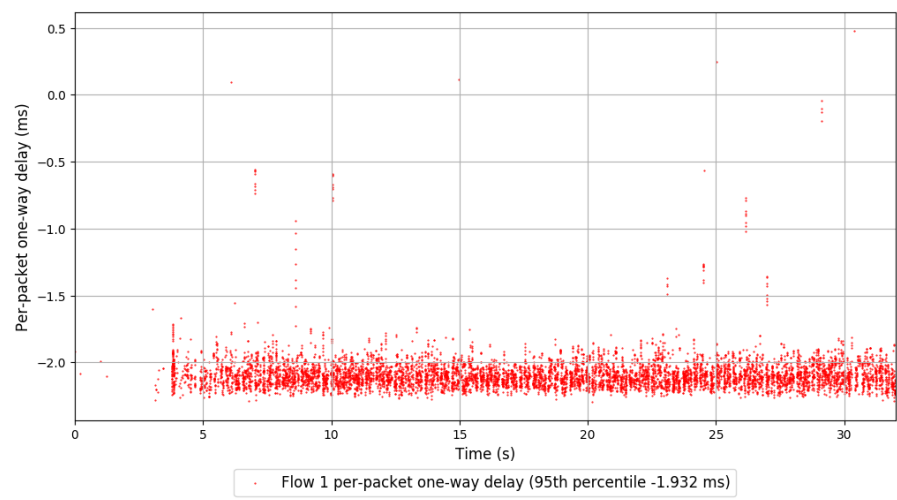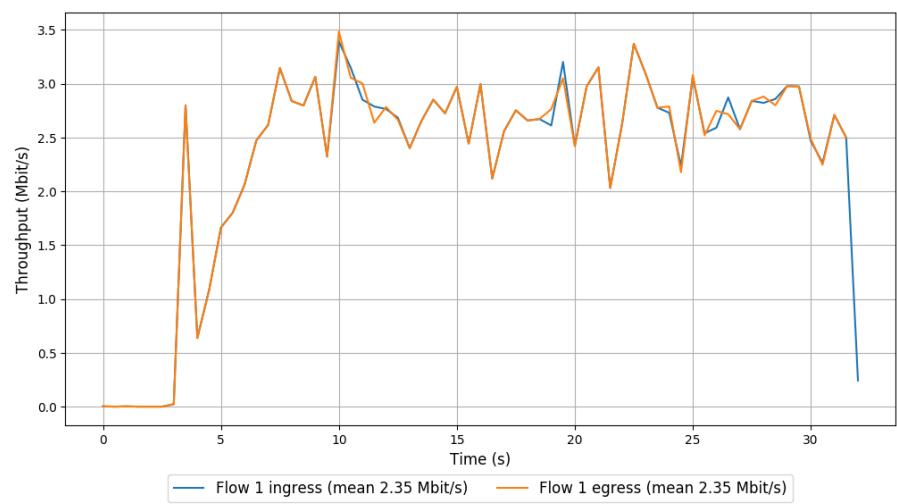
Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.35 Mbit/s) —— Flow 1 egress (mean 2.35 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile -1.932 ms)

```
Run 4: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 11:38:02 +0000
End at: Wed, 05 Jul 2017 11:38:32 +0000
Local clock offset: 0.177 ms
Remote clock offset: -3.034 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:39:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: -1.848 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: -1.848 ms
Loss rate: 0.00%
```
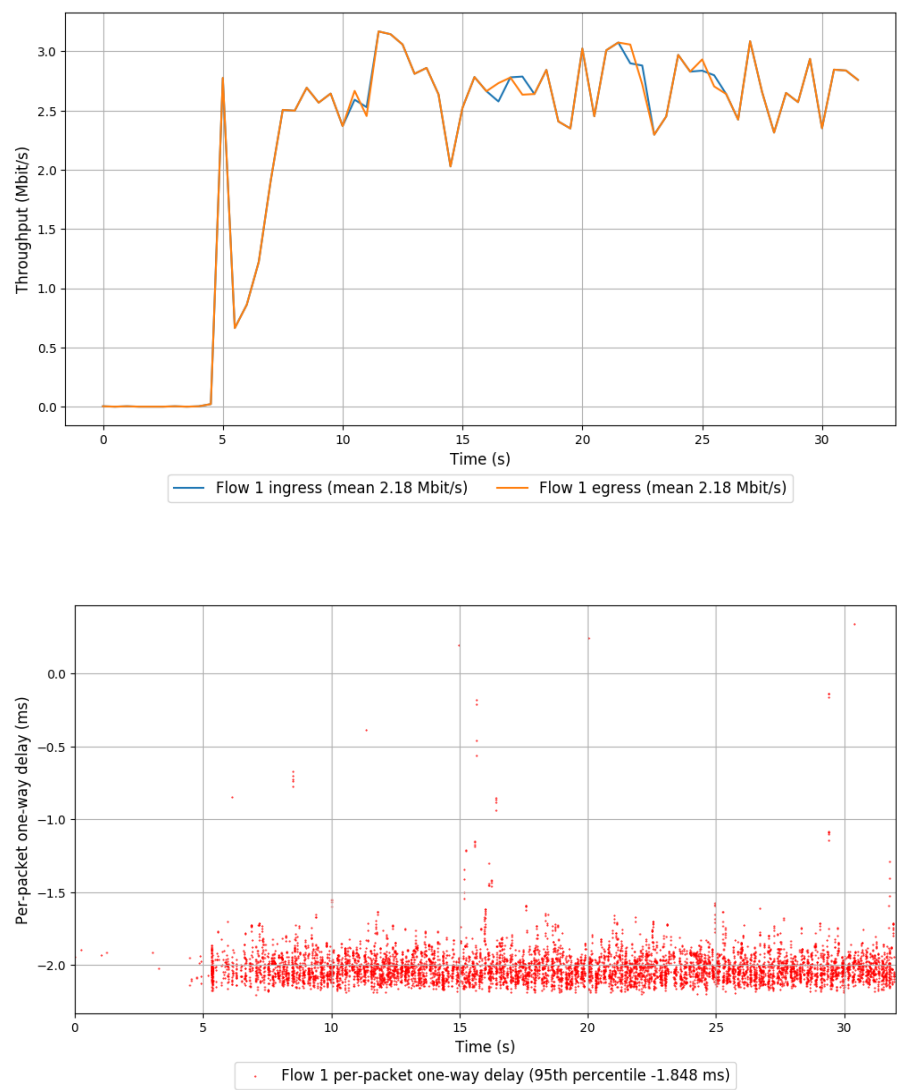
Run 4: Report of WebRTC media — Data Link

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

Flow 1 per-packet one-way delay (95th percentile -1.848 ms)

```
Run 5: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 11:57:20 +0000
End at: Wed, 05 Jul 2017 11:57:50 +0000
Local clock offset: 0.125 ms
Remote clock offset: -2.926 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:39:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -1.694 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -1.694 ms
Loss rate: 0.16%
```
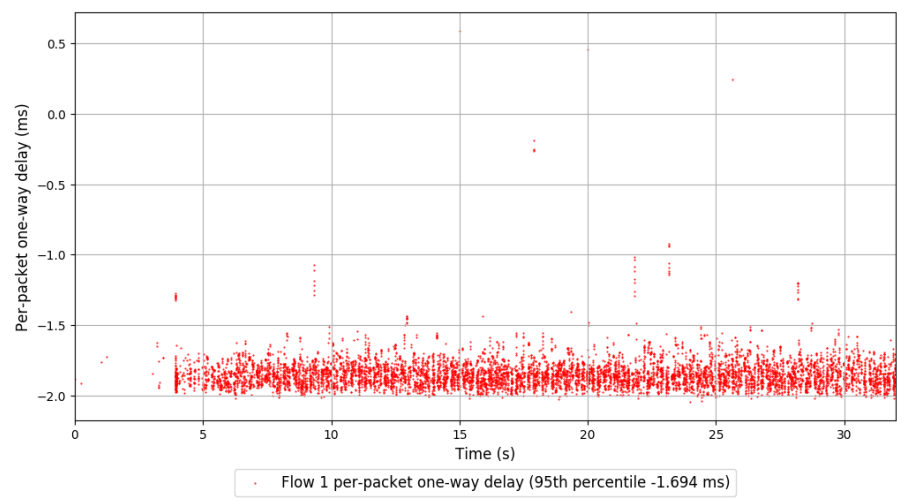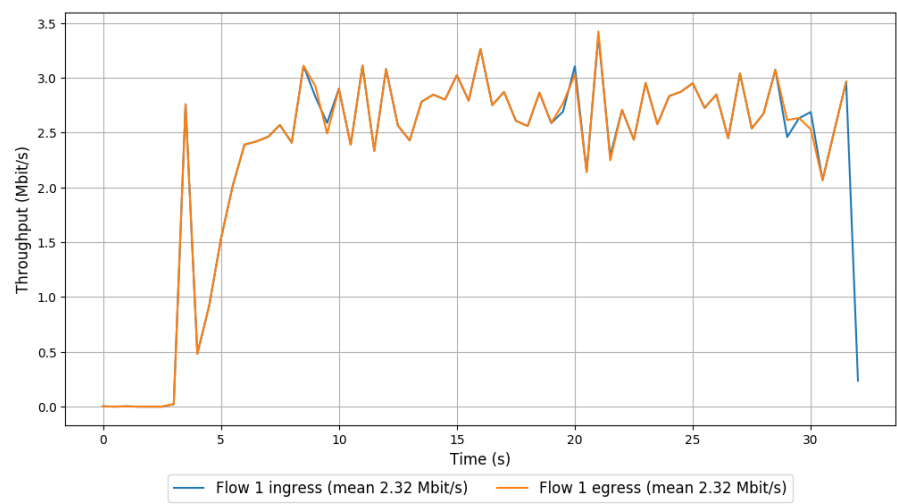
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 12:15:53 +0000
End at: Wed, 05 Jul 2017 12:16:23 +0000
Local clock offset: 0.123 ms
Remote clock offset: -2.923 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:39:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: -1.620 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: -1.620 ms
Loss rate: 0.61%
```
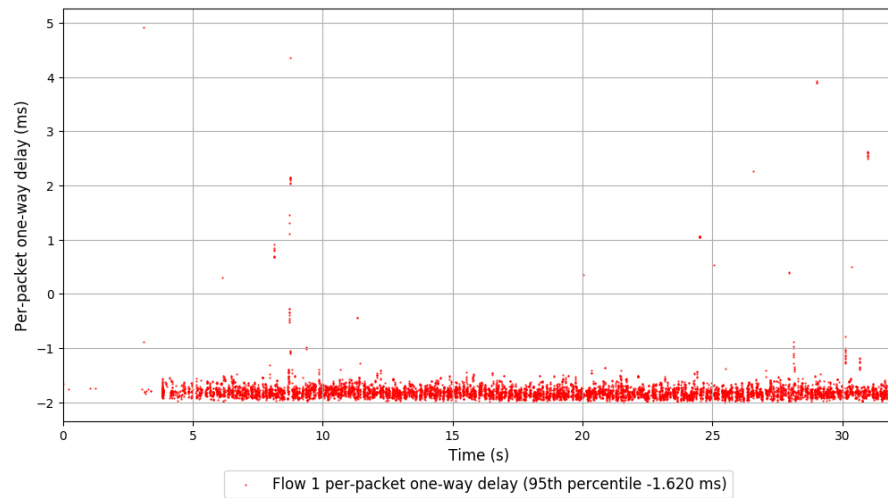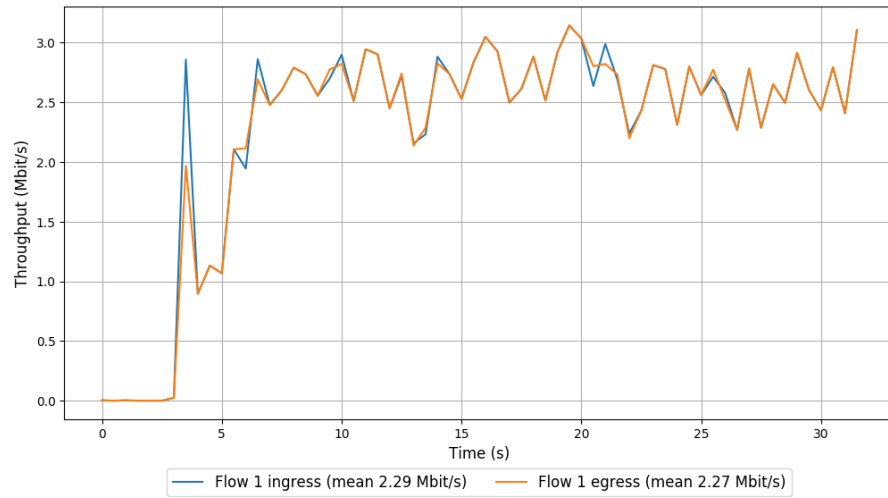
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 12:33:56 +0000
End at: Wed, 05 Jul 2017 12:34:26 +0000
Local clock offset: 0.105 ms
Remote clock offset: -2.912 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:39:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: -1.739 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: -1.739 ms
Loss rate: 0.00%
```
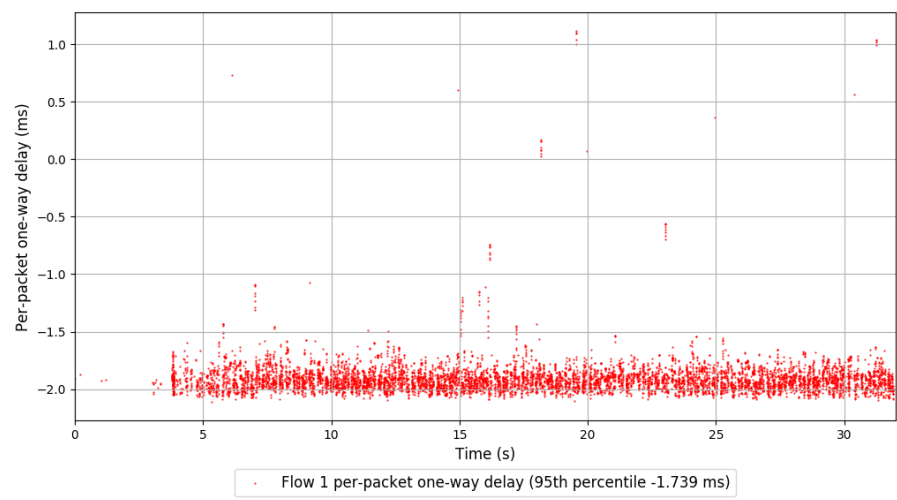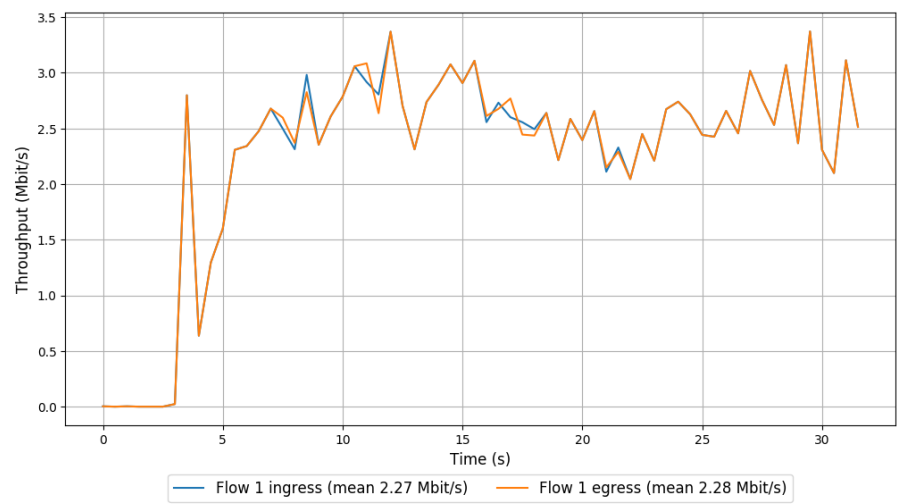
Run 7: Report of WebRTC media — Data Link

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```
Run 8: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 12:53:24 +0000
End at: Wed, 05 Jul 2017 12:53:54 +0000
Local clock offset: 0.299 ms
Remote clock offset: -3.32 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:39:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -2.343 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -2.343 ms
Loss rate: 0.14%
```
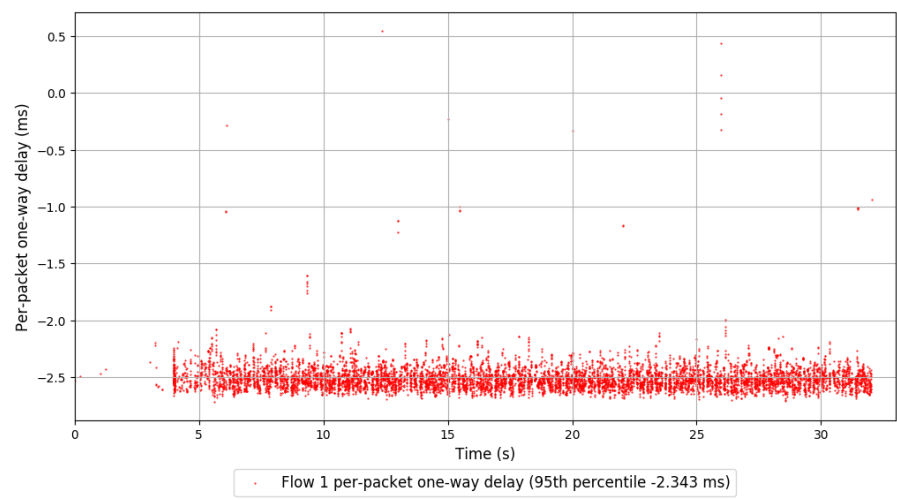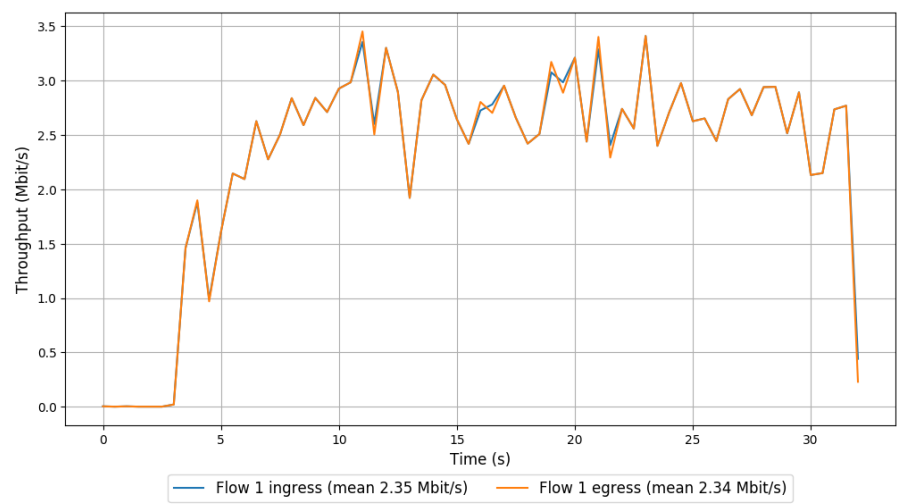
Run 8: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.35 Mbit/s) — Flow 1 egress (mean 2.34 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile -2.343 ms)

```
Run 9: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 13:13:04 +0000
End at: Wed, 05 Jul 2017 13:13:34 +0000
Local clock offset: 0.349 ms
Remote clock offset: -3.036 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:39:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -2.110 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: -2.110 ms
Loss rate: 0.05%
```
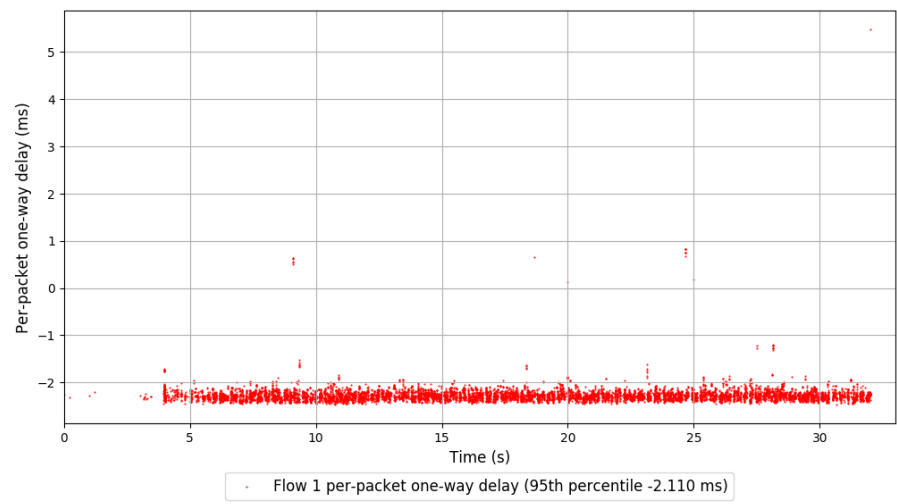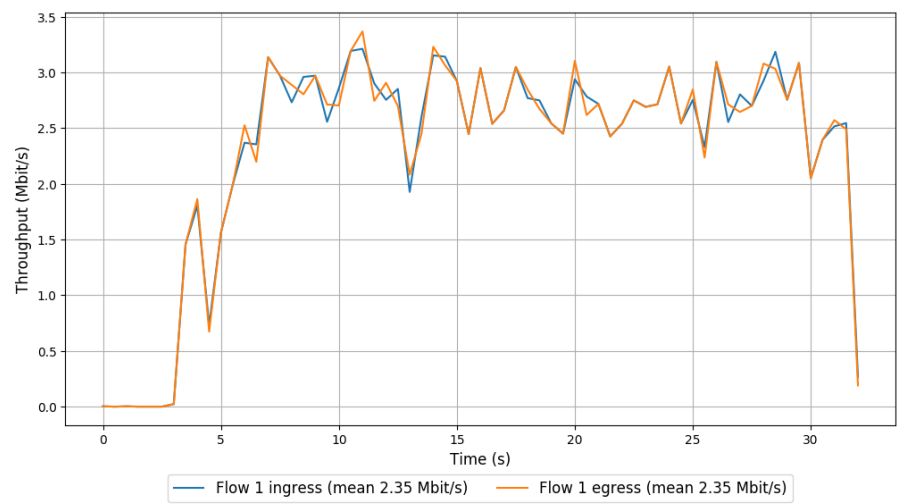
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: Wed, 05 Jul 2017 13:32:33 +0000
End at: Wed, 05 Jul 2017 13:33:03 +0000
Local clock offset: 0.36 ms
Remote clock offset: -3.029 ms


# Below is generated by plot.py at Wed, 05 Jul 2017 16:39:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: -2.158 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: -2.158 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link