Pantheon Summary (Generated at Sat, 01 Jul 2017 17:10:46 +0000 with pantheon version `55ce618ef3153403f57ca06ffe894ed6887bd36f`)

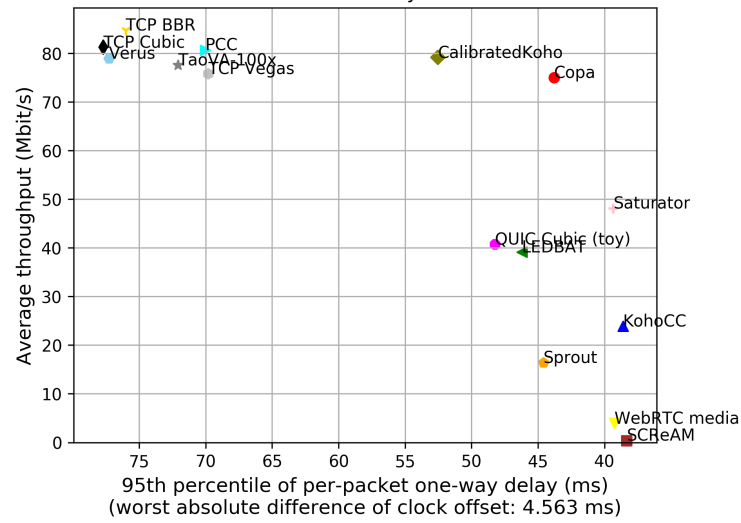Repeated the test of 15 congestion control schemes 10 times.

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

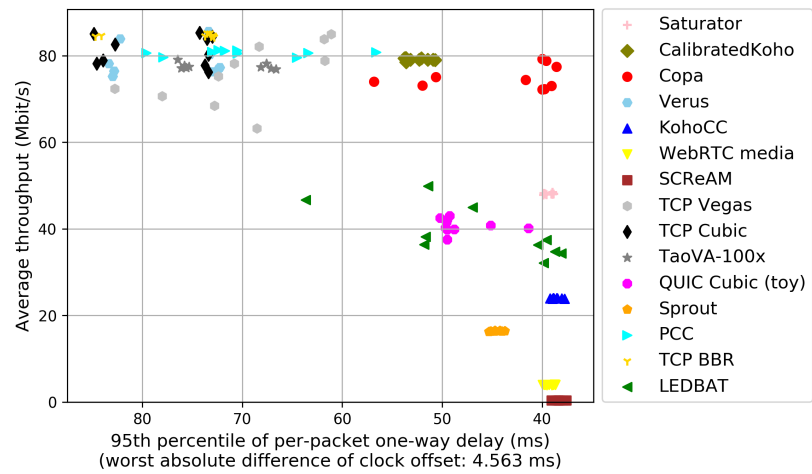Data path **from** Mexico Ethernet **to** AWS California 2 Ethernet.

NTP offset measured against time.stanford.edu.

```
git branch: master @ 55ce618ef3153403f57ca06ffe894ed6887bd36f
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 Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
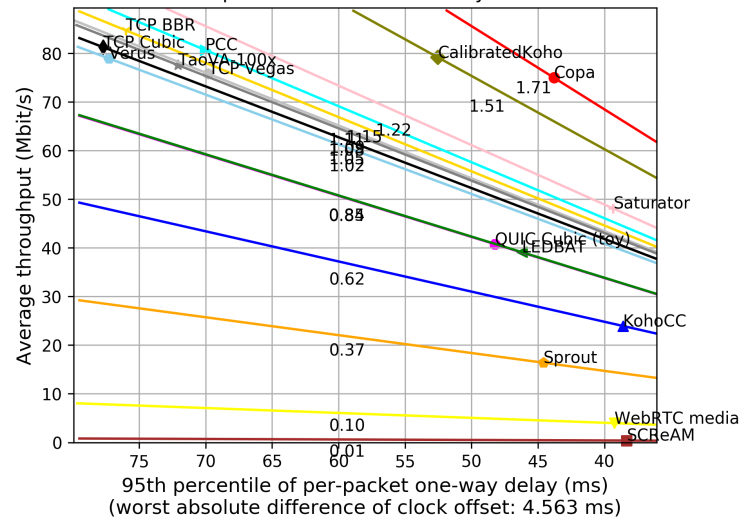mean of all runs by scheme

test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme

2

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

```
Run 1: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 12:32:37 +0000
End at: Sat, 01 Jul 2017 12:33:07 +0000
Local clock offset: 0.541 ms
Remote clock offset: -1.746 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:59:02 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 84.711 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 55.93 Mbit/s
95th percentile per-packet one-way delay: 63.061 ms
Loss rate: 0.85%
-- Flow 2:
Average throughput: 21.89 Mbit/s
95th percentile per-packet one-way delay: 85.730 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 6.89 Mbit/s
95th percentile per-packet one-way delay: 85.909 ms
Loss rate: 1.43%
```
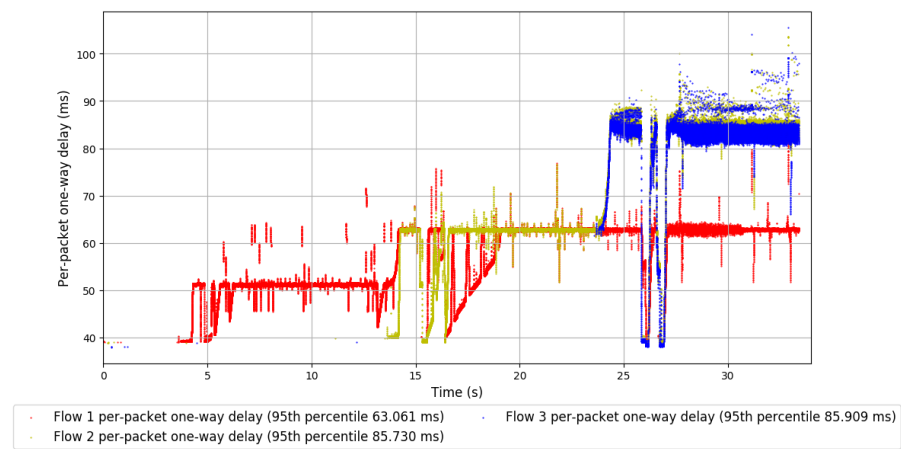
Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 56.26 Mbit/s)   Flow 2 egress (mean 21.89 Mbit/s)
Flow 1 egress (mean 55.93 Mbit/s)   Flow 3 ingress (mean 6.97 Mbit/s)
Flow 2 ingress (mean 21.96 Mbit/s)   Flow 3 egress (mean 6.89 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.061 ms)   Flow 3 per-packet one-way delay (95th percentile 85.909 ms)
Flow 2 per-packet one-way delay (95th percentile 85.730 ms)

5

```
Run 2: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 12:53:20 +0000
End at: Sat, 01 Jul 2017 12:53:50 +0000
Local clock offset: 0.805 ms
Remote clock offset: -1.999 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:59:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.22 Mbit/s
95th percentile per-packet one-way delay: 73.243 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 51.74 Mbit/s
95th percentile per-packet one-way delay: 72.651 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 73.642 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 9.60 Mbit/s
95th percentile per-packet one-way delay: 72.816 ms
Loss rate: 1.20%
```
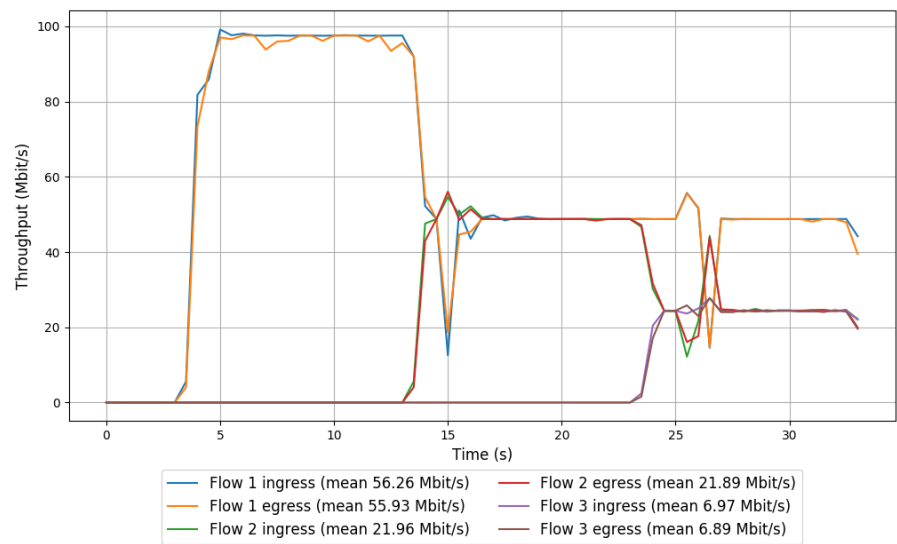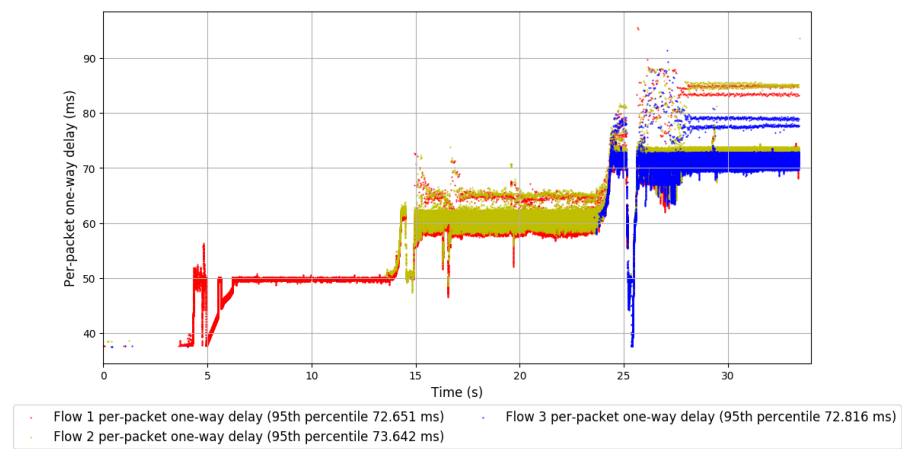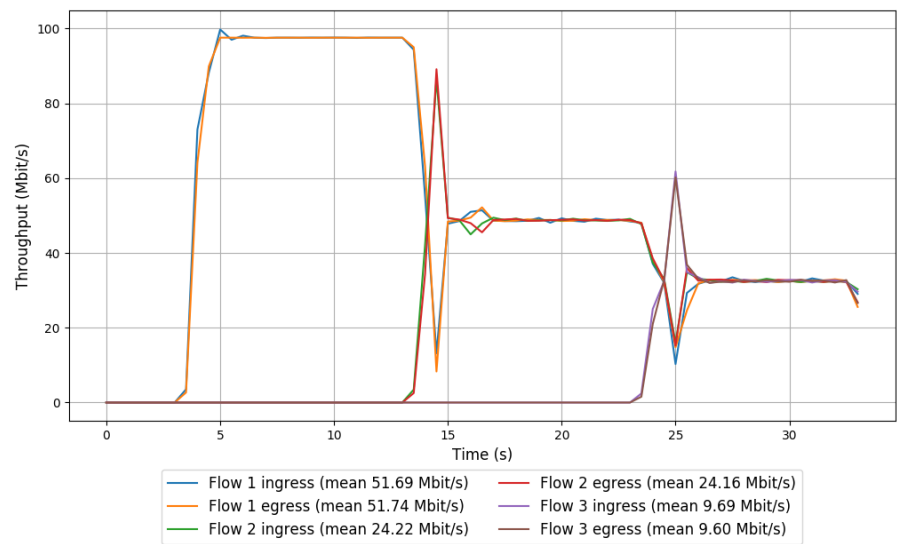
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 51.69 Mbit/s) Flow 2 egress (mean 24.16 Mbit/s)
Flow 1 egress (mean 51.74 Mbit/s) Flow 3 ingress (mean 9.69 Mbit/s)
Flow 2 ingress (mean 24.22 Mbit/s) Flow 3 egress (mean 9.60 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 72.651 ms) Flow 3 per-packet one-way delay (95th percentile 72.816 ms)
Flow 2 per-packet one-way delay (95th percentile 73.642 ms)
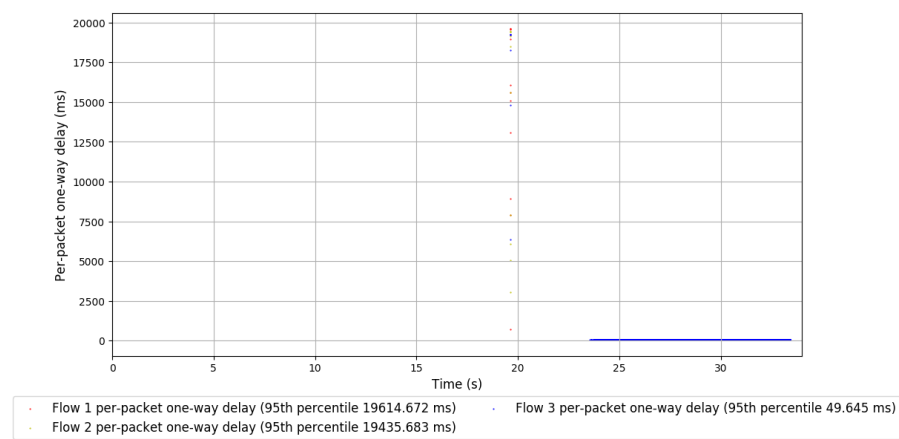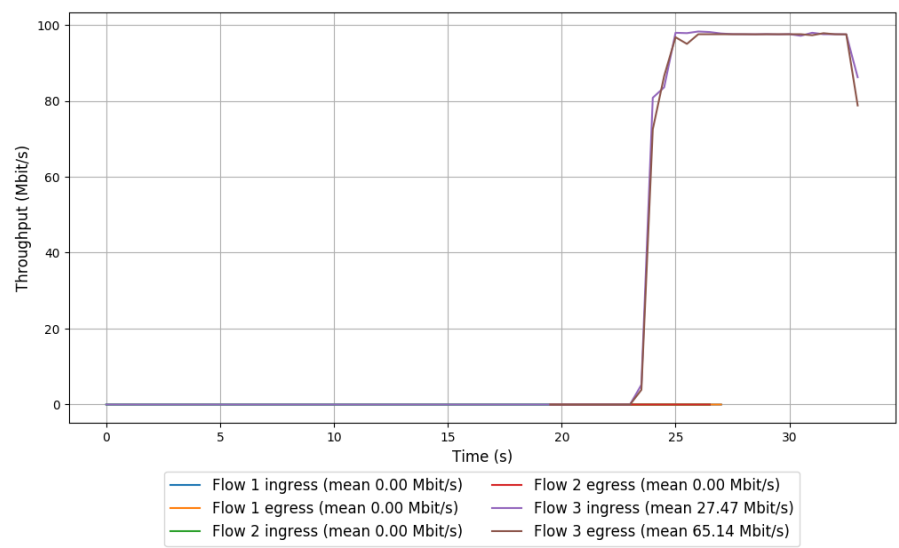
7

Run 3: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 13:14:13 +0000
End at: Sat, 01 Jul 2017 13:14:43 +0000
Local clock offset: 0.691 ms
Remote clock offset: -0.162 ms

Run 3: Report of TCP BBR — Data Link

Legend for throughput plot:
- Flow 1 ingress (mean 0.00 Mbit/s)
- Flow 1 egress (mean 0.00 Mbit/s)
- Flow 2 ingress (mean 0.00 Mbit/s)
- Flow 2 egress (mean 0.00 Mbit/s)
- Flow 3 ingress (mean 27.47 Mbit/s)
- Flow 3 egress (mean 65.14 Mbit/s)

Legend for delay plot:
- Flow 1 per-packet one-way delay (95th percentile 19614.672 ms)
- Flow 2 per-packet one-way delay (95th percentile 19435.683 ms)
- Flow 3 per-packet one-way delay (95th percentile 49.645 ms)

```
Run 4: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 13:34:51 +0000
End at: Sat, 01 Jul 2017 13:35:21 +0000
Local clock offset: 0.751 ms
Remote clock offset: 0.305 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:59:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.56 Mbit/s
95th percentile per-packet one-way delay: 73.734 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 73.716 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 23.55 Mbit/s
95th percentile per-packet one-way delay: 73.784 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 72.909 ms
Loss rate: 1.26%
```
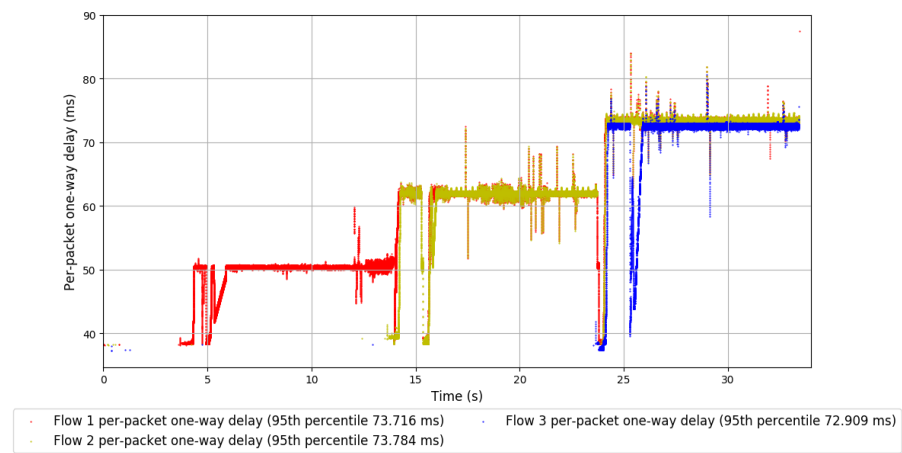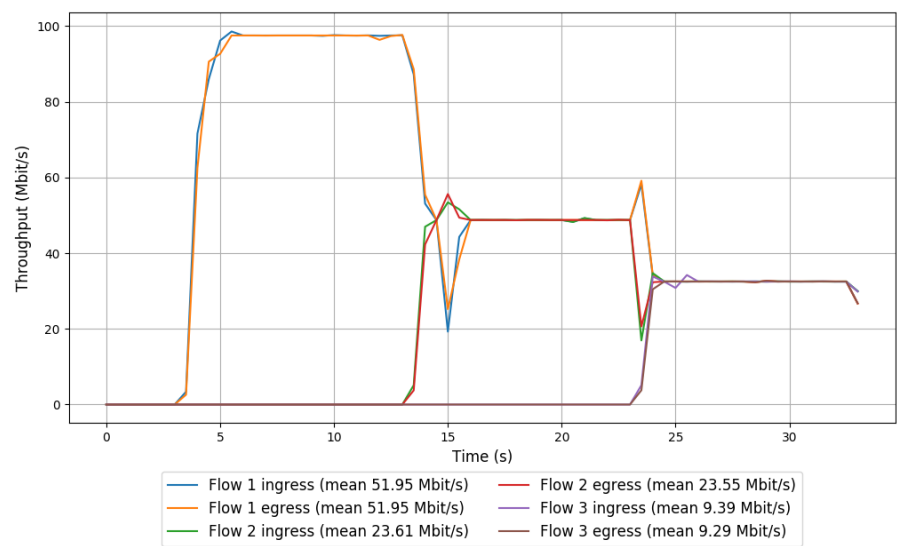
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 51.95 Mbit/s)
Flow 1 egress (mean 51.95 Mbit/s)
Flow 2 ingress (mean 23.61 Mbit/s)
Flow 2 egress (mean 23.55 Mbit/s)
Flow 3 ingress (mean 9.39 Mbit/s)
Flow 3 egress (mean 9.29 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 73.716 ms)
Flow 2 per-packet one-way delay (95th percentile 73.784 ms)
Flow 3 per-packet one-way delay (95th percentile 72.909 ms)

```
Run 5: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 13:55:29 +0000
End at: Sat, 01 Jul 2017 13:55:59 +0000
Local clock offset: 0.563 ms
Remote clock offset: -0.897 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:59:19 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.49 Mbit/s
95th percentile per-packet one-way delay: 73.138 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 51.47 Mbit/s
95th percentile per-packet one-way delay: 73.114 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 73.199 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 9.38 Mbit/s
95th percentile per-packet one-way delay: 72.364 ms
Loss rate: 1.26%
```
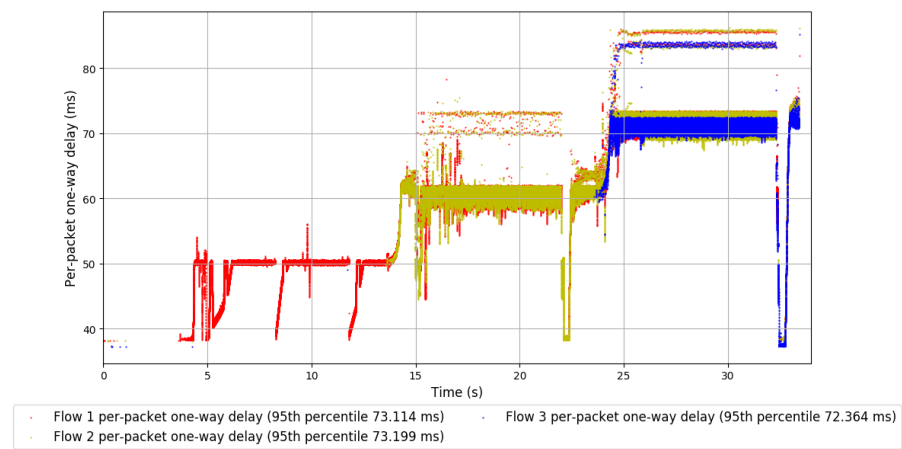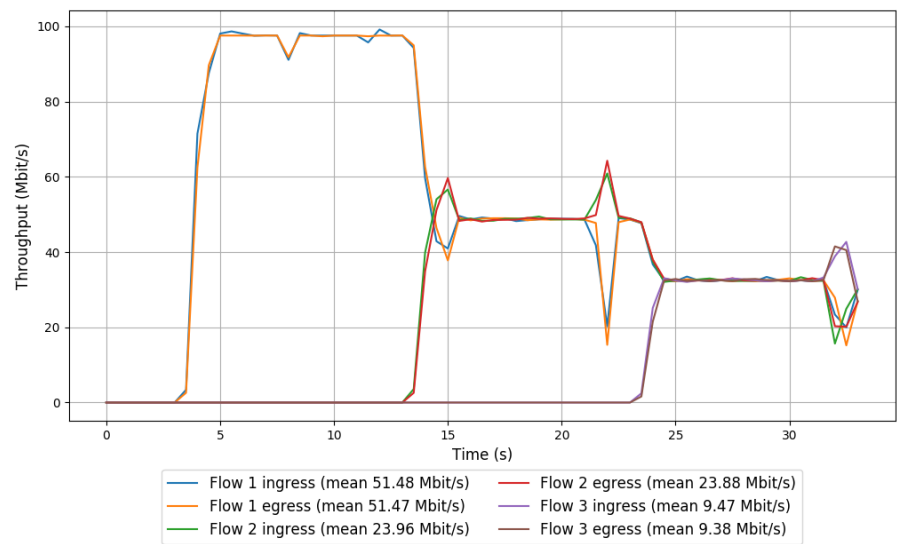
Run 5: Report of TCP BBR — Data Link

- Flow 1 ingress (mean 51.48 Mbit/s)
- Flow 1 egress (mean 51.47 Mbit/s)
- Flow 2 ingress (mean 23.96 Mbit/s)
- Flow 2 egress (mean 23.88 Mbit/s)
- Flow 3 ingress (mean 9.47 Mbit/s)
- Flow 3 egress (mean 9.38 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 73.114 ms)
- Flow 2 per-packet one-way delay (95th percentile 73.199 ms)
- Flow 3 per-packet one-way delay (95th percentile 72.364 ms)

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```
Run 6: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 14:16:02 +0000
End at: Sat, 01 Jul 2017 14:16:32 +0000
Local clock offset: 0.476 ms
Remote clock offset: -0.262 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:59:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.23 Mbit/s
95th percentile per-packet one-way delay: 73.506 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 52.18 Mbit/s
95th percentile per-packet one-way delay: 73.386 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 73.582 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 9.30 Mbit/s
95th percentile per-packet one-way delay: 72.635 ms
Loss rate: 1.28%
```
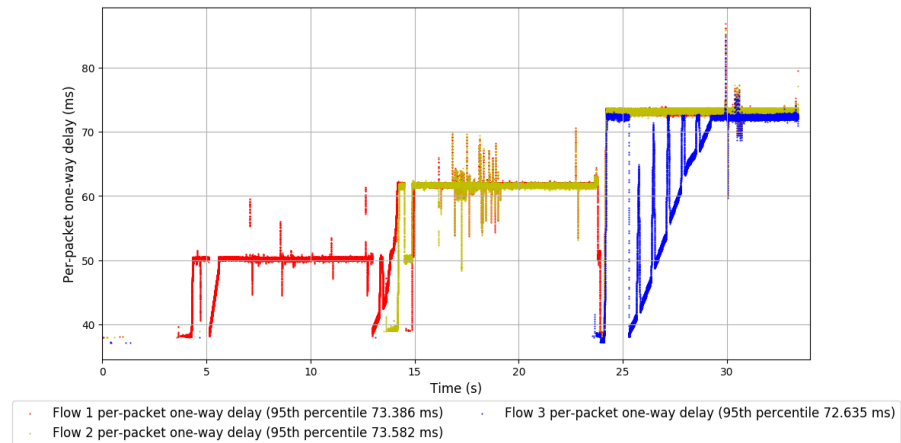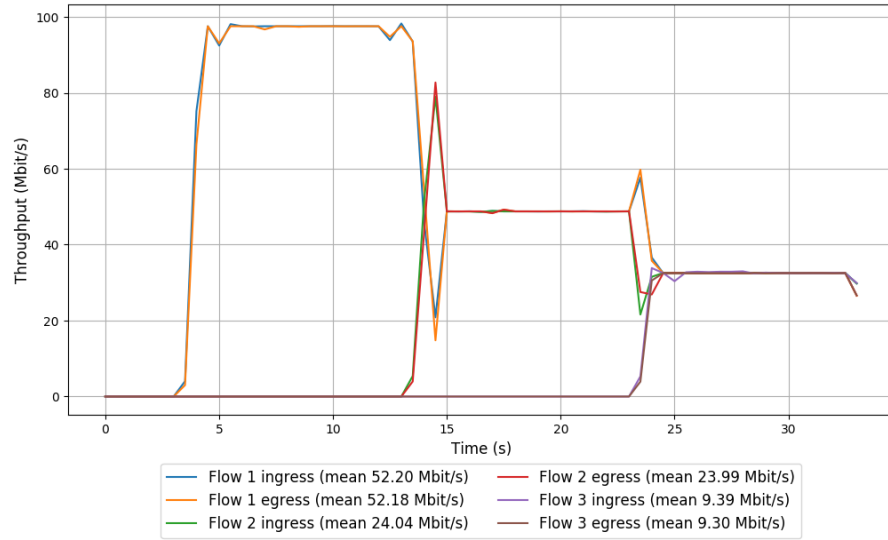
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 52.20 Mbit/s)
Flow 1 egress (mean 52.18 Mbit/s)
Flow 2 ingress (mean 24.04 Mbit/s)
Flow 2 egress (mean 23.99 Mbit/s)
Flow 3 ingress (mean 9.39 Mbit/s)
Flow 3 egress (mean 9.30 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 73.386 ms)
Flow 2 per-packet one-way delay (95th percentile 73.582 ms)
Flow 3 per-packet one-way delay (95th percentile 72.635 ms)
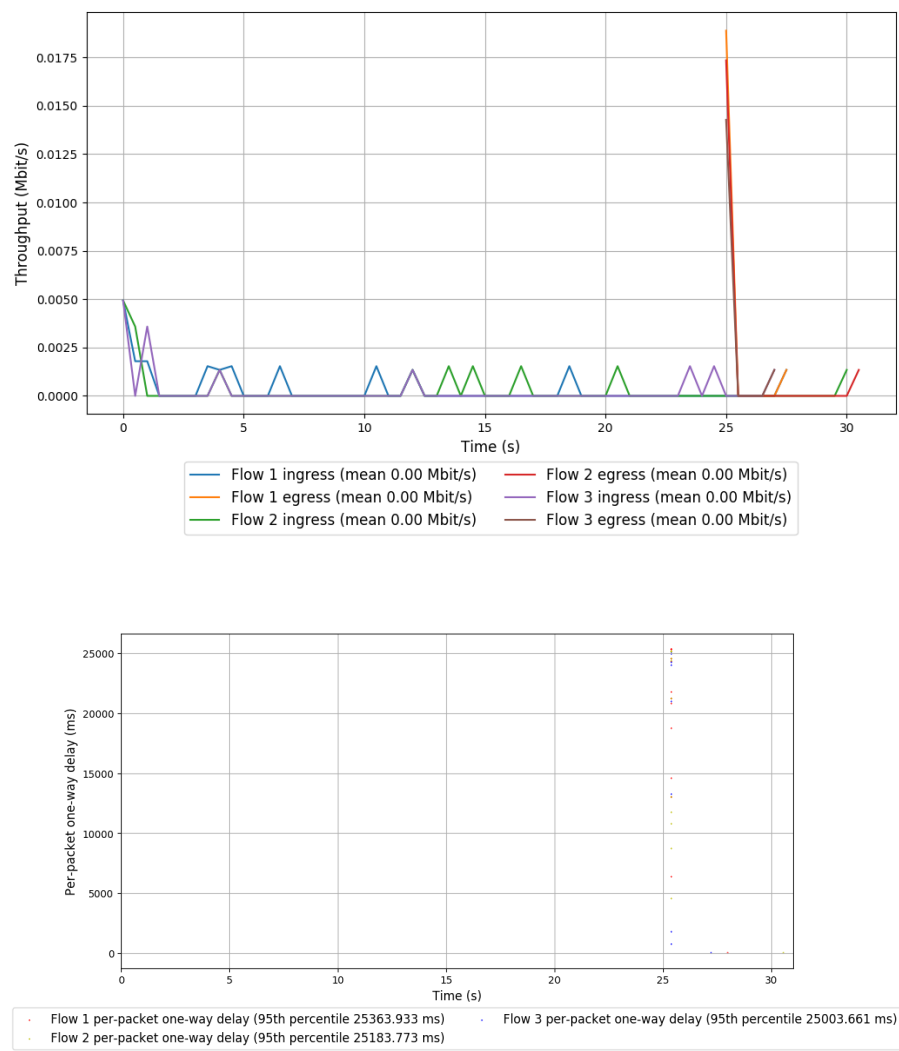
15

Run 7: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 14:36:45 +0000
End at: Sat, 01 Jul 2017 14:37:15 +0000
Local clock offset: 0.377 ms
Remote clock offset: -0.699 ms

Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 14:57:17 +0000
End at: Sat, 01 Jul 2017 14:57:47 +0000
Local clock offset: 0.014 ms
Remote clock offset: -0.672 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:59:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 72.931 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 51.66 Mbit/s
95th percentile per-packet one-way delay: 71.993 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 73.096 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 9.30 Mbit/s
95th percentile per-packet one-way delay: 73.415 ms
Loss rate: 1.29%
```
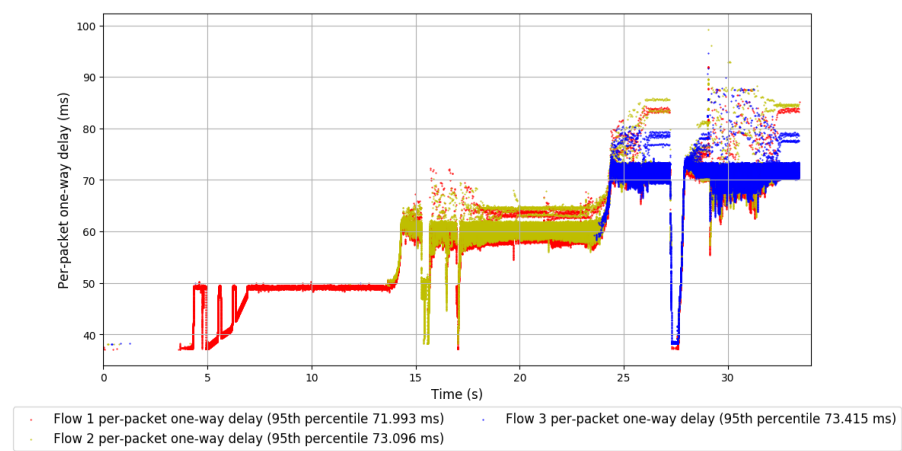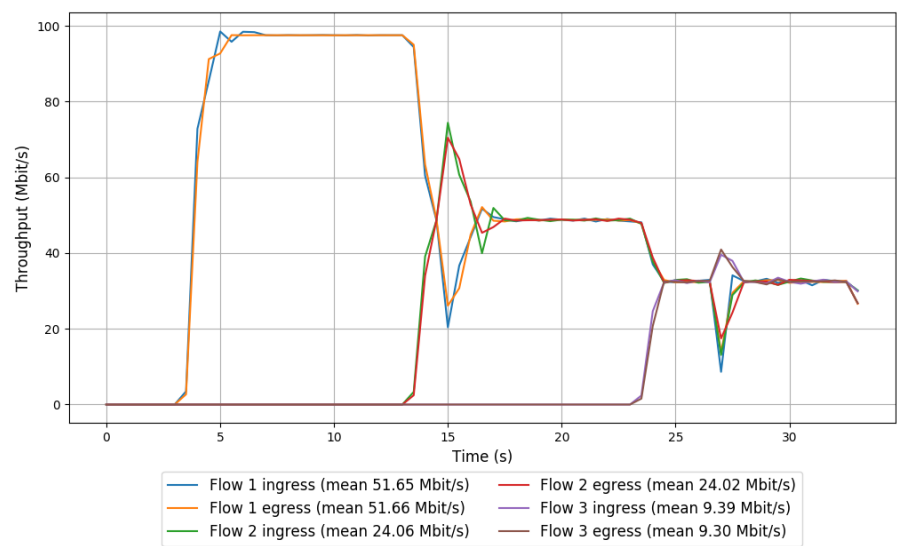
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 51.65 Mbit/s)
Flow 1 egress (mean 51.66 Mbit/s)
Flow 2 ingress (mean 24.06 Mbit/s)
Flow 2 egress (mean 24.02 Mbit/s)
Flow 3 ingress (mean 9.39 Mbit/s)
Flow 3 egress (mean 9.30 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 71.993 ms)
Flow 2 per-packet one-way delay (95th percentile 73.096 ms)
Flow 3 per-packet one-way delay (95th percentile 73.415 ms)

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```
Run 9: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 15:17:56 +0000
End at: Sat, 01 Jul 2017 15:18:26 +0000
Local clock offset: 0.138 ms
Remote clock offset: -1.337 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:59:40 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.62 Mbit/s
95th percentile per-packet one-way delay: 84.081 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 49.62 Mbit/s
95th percentile per-packet one-way delay: 84.058 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 28.33 Mbit/s
95th percentile per-packet one-way delay: 61.703 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 84.469 ms
Loss rate: 1.53%
```
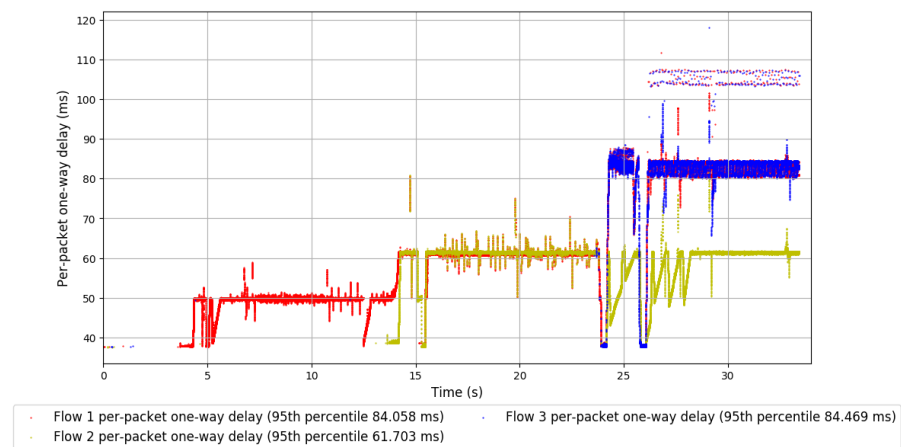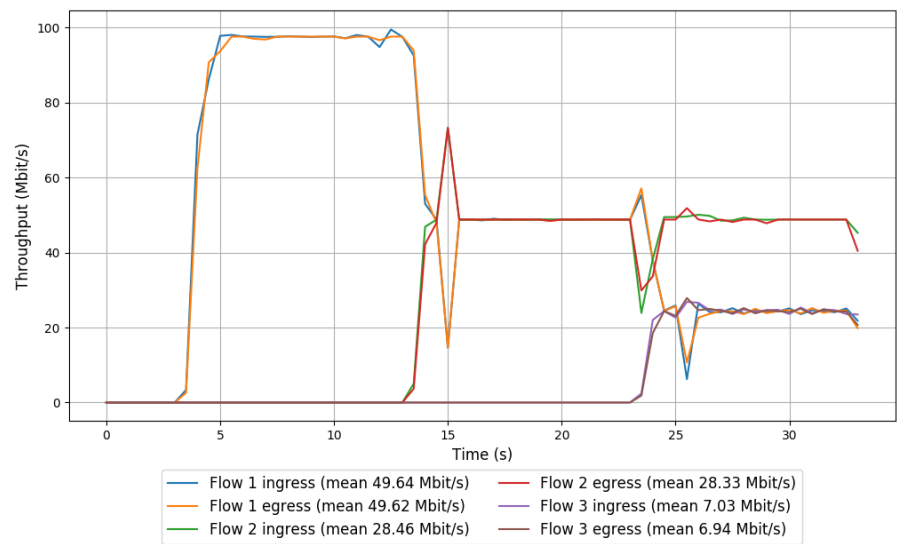
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 49.64 Mbit/s)   Flow 2 egress (mean 28.33 Mbit/s)
Flow 1 egress (mean 49.62 Mbit/s)   Flow 3 ingress (mean 7.03 Mbit/s)
Flow 2 ingress (mean 28.46 Mbit/s)   Flow 3 egress (mean 6.94 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 84.058 ms)   Flow 3 per-packet one-way delay (95th percentile 84.469 ms)
Flow 2 per-packet one-way delay (95th percentile 61.703 ms)

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```
Run 10: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 15:38:37 +0000
End at: Sat, 01 Jul 2017 15:39:07 +0000
Local clock offset: 0.246 ms
Remote clock offset: -3.754 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:59:45 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.32 Mbit/s
95th percentile per-packet one-way delay: 72.814 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 51.47 Mbit/s
95th percentile per-packet one-way delay: 71.814 ms
Loss rate: 0.69%
-- Flow 2:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 72.912 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 72.865 ms
Loss rate: 1.33%
```
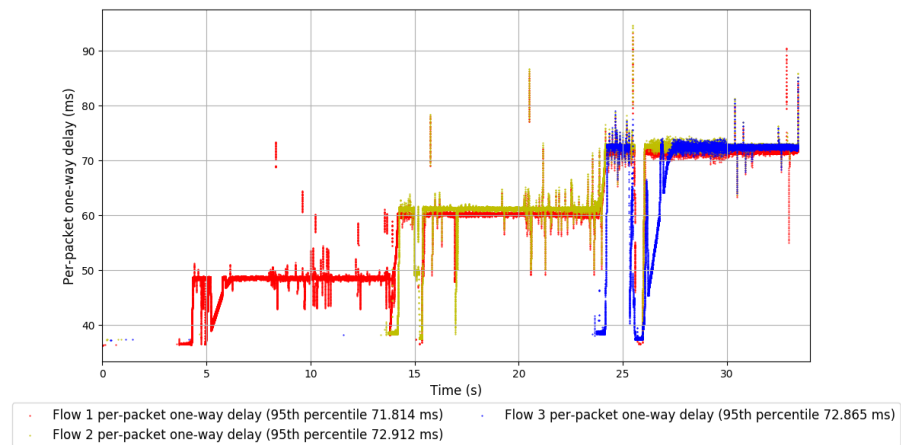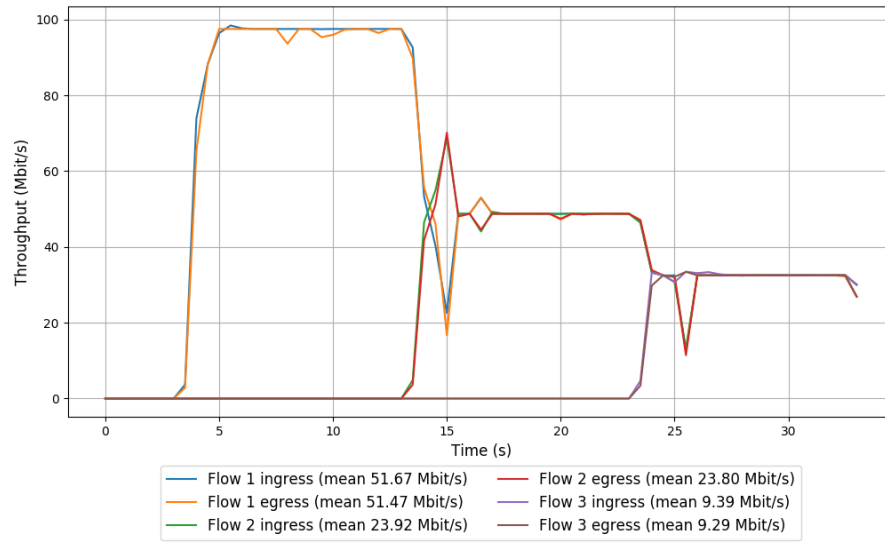
Run 10: Report of TCP BBR — Data Link

- Flow 1 ingress (mean 51.67 Mbit/s)
- Flow 1 egress (mean 51.47 Mbit/s)
- Flow 2 ingress (mean 23.92 Mbit/s)
- Flow 2 egress (mean 23.80 Mbit/s)
- Flow 3 ingress (mean 9.39 Mbit/s)
- Flow 3 egress (mean 9.29 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 71.814 ms)
- Flow 2 per-packet one-way delay (95th percentile 72.912 ms)
- Flow 3 per-packet one-way delay (95th percentile 72.865 ms)

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```
Run 1: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 12:49:08 +0000
End at: Sat, 01 Jul 2017 12:49:38 +0000
Local clock offset: 0.662 ms
Remote clock offset: -2.411 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:59:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.05 Mbit/s
95th percentile per-packet one-way delay: 51.456 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 75.13 Mbit/s
95th percentile per-packet one-way delay: 51.412 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 51.861 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 50.368 ms
Loss rate: 0.49%
```
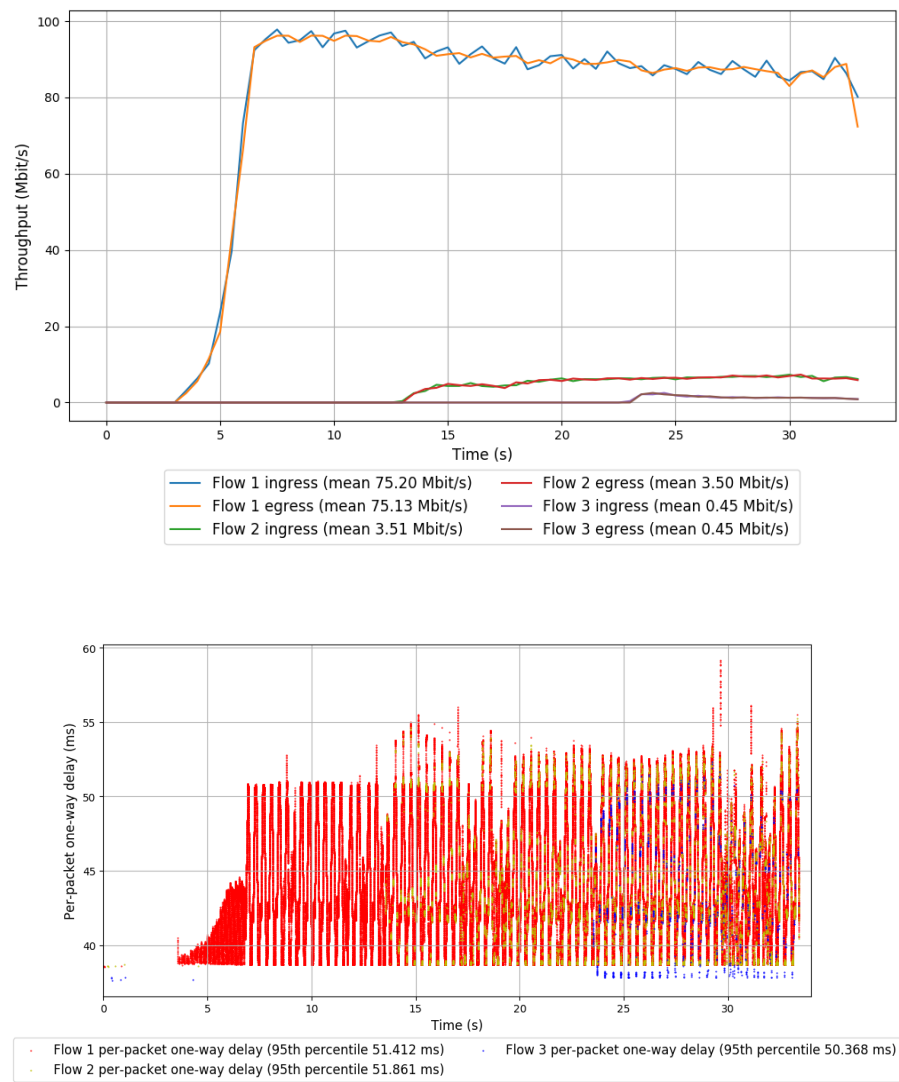
Run 1: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 75.20 Mbit/s)
Flow 1 egress (mean 75.13 Mbit/s)
Flow 2 ingress (mean 3.51 Mbit/s)
Flow 2 egress (mean 3.50 Mbit/s)
Flow 3 ingress (mean 0.45 Mbit/s)
Flow 3 egress (mean 0.45 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 51.412 ms)
Flow 2 per-packet one-way delay (95th percentile 51.861 ms)
Flow 3 per-packet one-way delay (95th percentile 50.368 ms)

```
Run 2: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 13:09:53 +0000
End at: Sat, 01 Jul 2017 13:10:23 +0000
Local clock offset: 0.652 ms
Remote clock offset: 0.318 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:59:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.45 Mbit/s
95th percentile per-packet one-way delay: 53.647 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 49.45 Mbit/s
95th percentile per-packet one-way delay: 52.957 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 22.05 Mbit/s
95th percentile per-packet one-way delay: 54.451 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 8.17 Mbit/s
95th percentile per-packet one-way delay: 53.953 ms
Loss rate: 1.28%
```
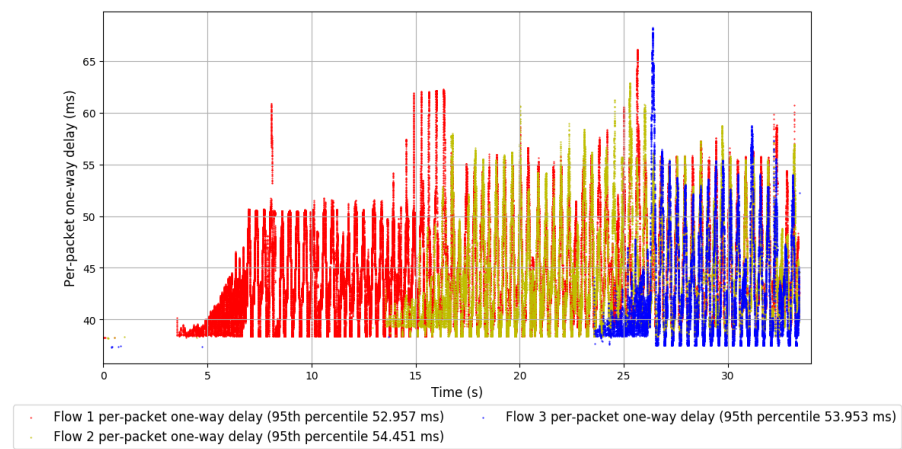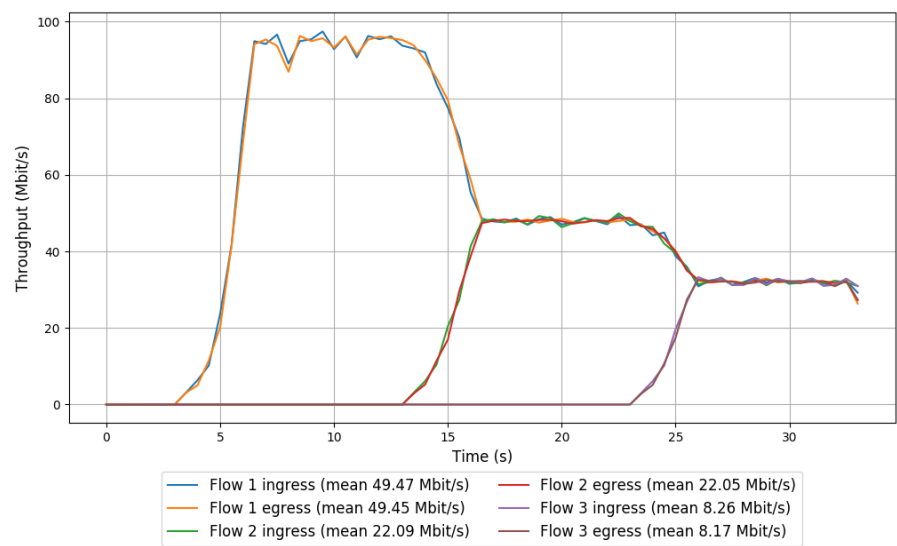
Run 2: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 49.47 Mbit/s)
Flow 1 egress (mean 49.45 Mbit/s)
Flow 2 ingress (mean 22.09 Mbit/s)
Flow 2 egress (mean 22.05 Mbit/s)
Flow 3 ingress (mean 8.26 Mbit/s)
Flow 3 egress (mean 8.17 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 52.957 ms)
Flow 2 per-packet one-way delay (95th percentile 54.451 ms)
Flow 3 per-packet one-way delay (95th percentile 53.953 ms)

```
Run 3: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 13:30:40 +0000
End at: Sat, 01 Jul 2017 13:31:10 +0000
Local clock offset: 0.696 ms
Remote clock offset: -2.402 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:00:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.20 Mbit/s
95th percentile per-packet one-way delay: 53.673 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 52.91 Mbit/s
95th percentile per-packet one-way delay: 53.177 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 26.03 Mbit/s
95th percentile per-packet one-way delay: 54.197 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 53.597 ms
Loss rate: 0.69%
```
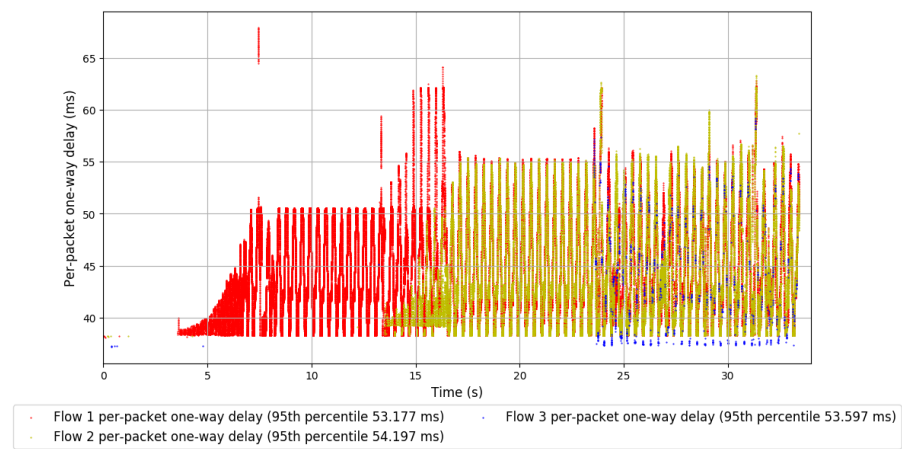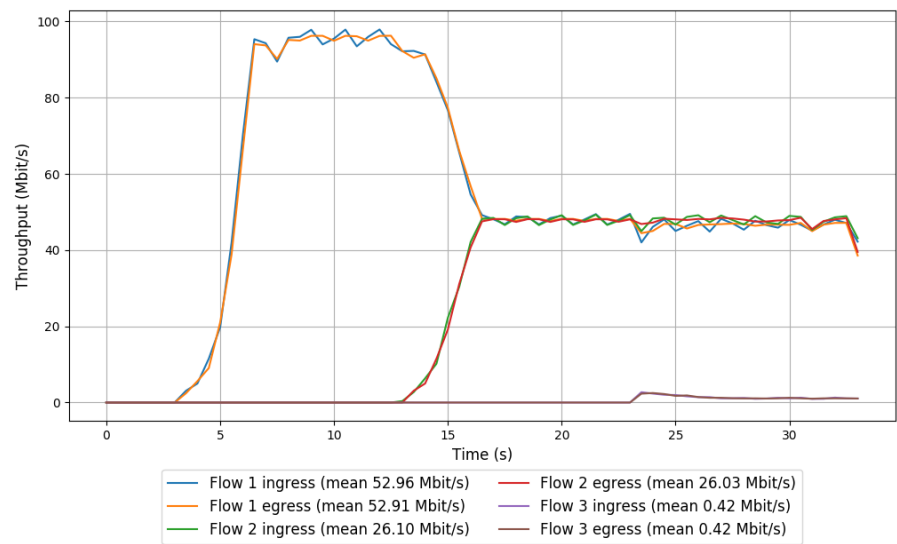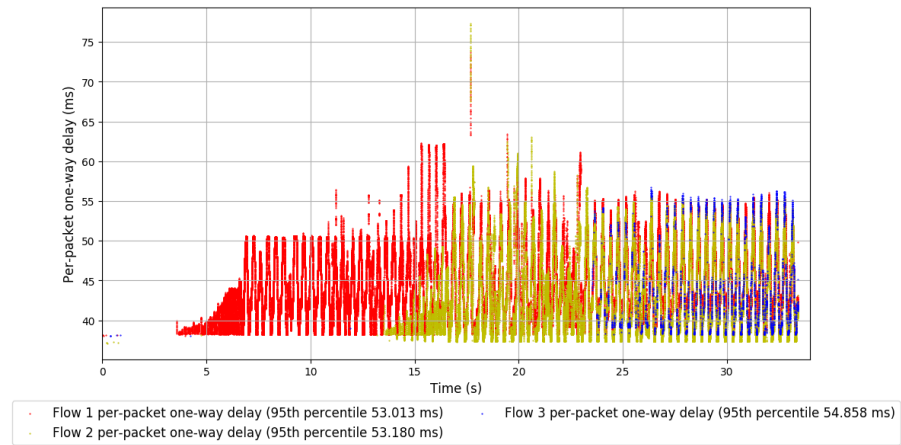
Run 3: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 52.96 Mbit/s)
Flow 1 egress (mean 52.91 Mbit/s)
Flow 2 ingress (mean 26.10 Mbit/s)
Flow 2 egress (mean 26.03 Mbit/s)
Flow 3 ingress (mean 0.42 Mbit/s)
Flow 3 egress (mean 0.42 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.177 ms)
Flow 2 per-packet one-way delay (95th percentile 54.197 ms)
Flow 3 per-packet one-way delay (95th percentile 53.597 ms)

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```
Run 4: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 13:51:18 +0000
End at: Sat, 01 Jul 2017 13:51:48 +0000
Local clock offset: 0.556 ms
Remote clock offset: -2.574 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:00:09 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.09 Mbit/s
95th percentile per-packet one-way delay: 53.175 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 53.013 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 53.180 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 54.858 ms
Loss rate: 2.00%
```
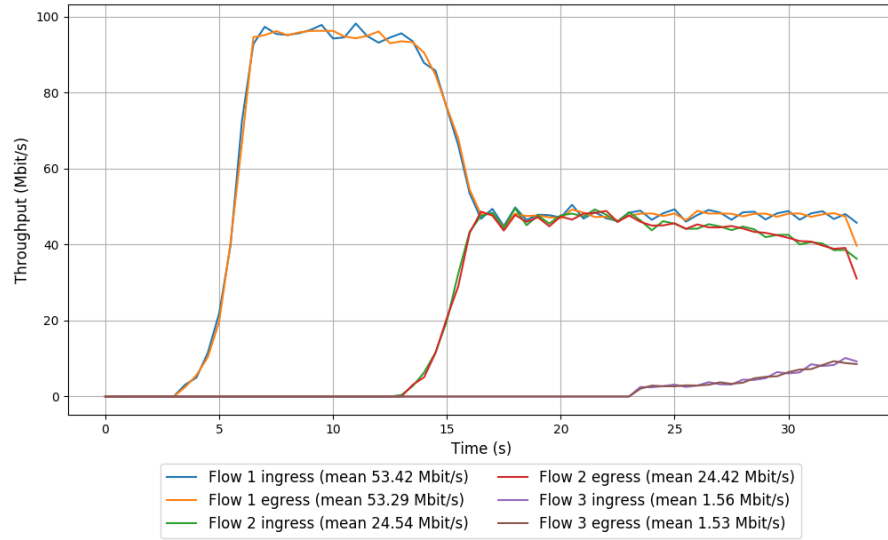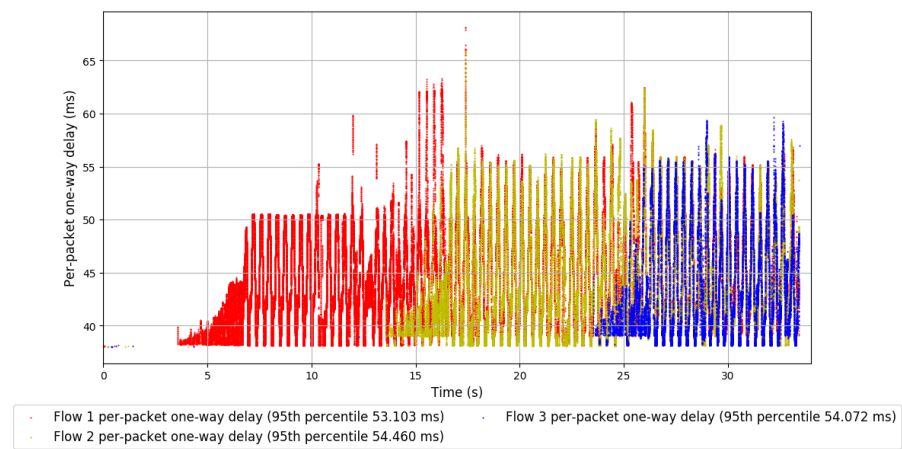
Run 4: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 53.42 Mbit/s) — Flow 2 egress (mean 24.42 Mbit/s)
Flow 1 egress (mean 53.29 Mbit/s) — Flow 3 ingress (mean 1.56 Mbit/s)
Flow 2 ingress (mean 24.54 Mbit/s) — Flow 3 egress (mean 1.53 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.013 ms)   Flow 3 per-packet one-way delay (95th percentile 54.858 ms)
Flow 2 per-packet one-way delay (95th percentile 53.180 ms)

```
Run 5: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 14:11:51 +0000
End at: Sat, 01 Jul 2017 14:12:21 +0000
Local clock offset: 0.477 ms
Remote clock offset: -3.111 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:00:17 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.43 Mbit/s
95th percentile per-packet one-way delay: 53.767 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 53.103 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 22.13 Mbit/s
95th percentile per-packet one-way delay: 54.460 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 8.12 Mbit/s
95th percentile per-packet one-way delay: 54.072 ms
Loss rate: 1.18%
```
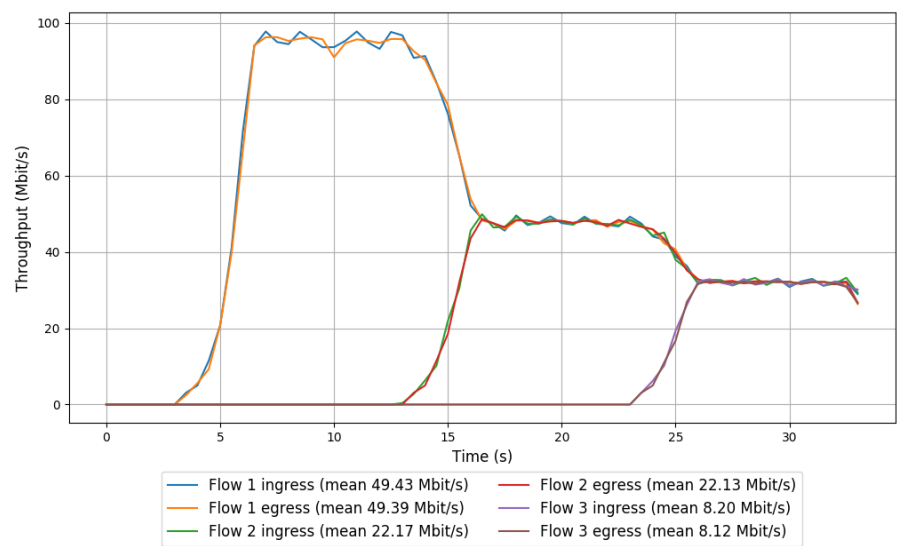
Run 5: Report of CalibratedKoho — Data Link

```
Run 6: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 14:32:34 +0000
End at: Sat, 01 Jul 2017 14:33:04 +0000
Local clock offset: 0.362 ms
Remote clock offset: -2.901 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 17:00:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.52 Mbit/s
95th percentile per-packet one-way delay: 53.618 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 52.16 Mbit/s
95th percentile per-packet one-way delay: 53.141 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 25.90 Mbit/s
95th percentile per-packet one-way delay: 54.193 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 52.777 ms
Loss rate: 0.89%
```
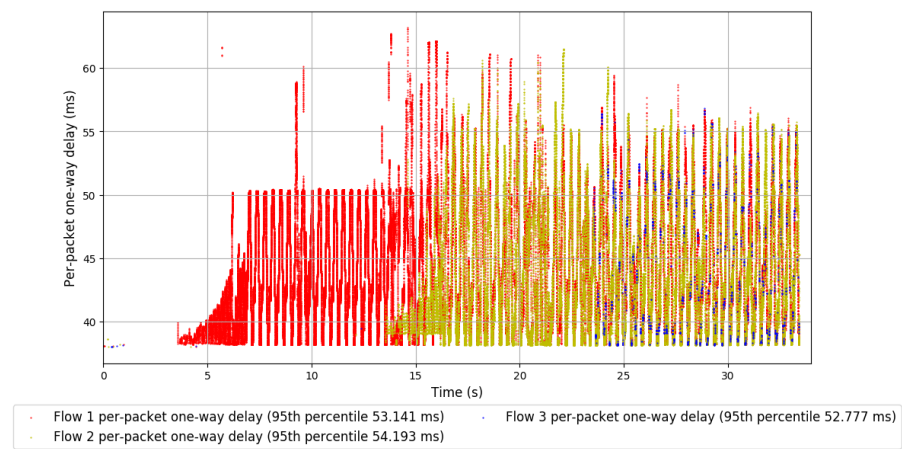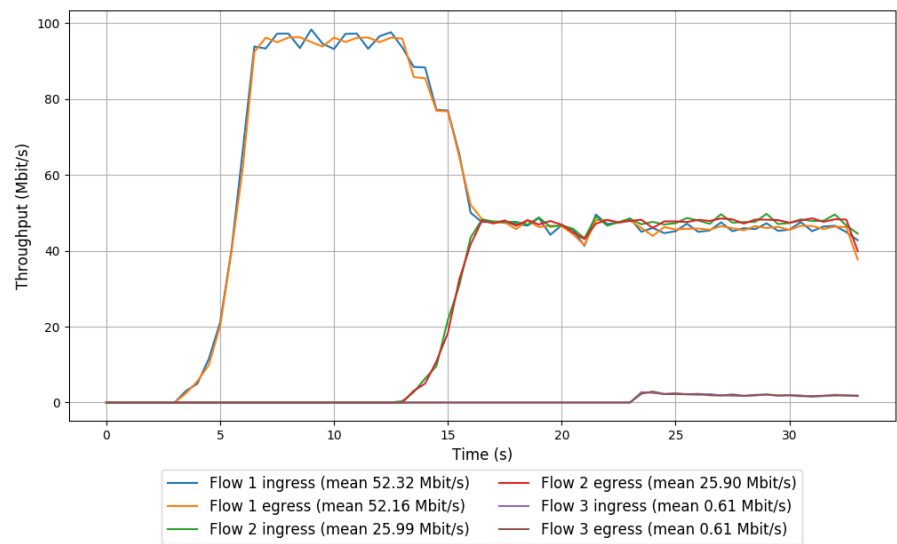
Run 6: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 52.32 Mbit/s)   Flow 2 egress (mean 25.90 Mbit/s)
Flow 1 egress (mean 52.16 Mbit/s)   Flow 3 ingress (mean 0.61 Mbit/s)
Flow 2 ingress (mean 25.99 Mbit/s)   Flow 3 egress (mean 0.61 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.141 ms)   Flow 3 per-packet one-way delay (95th percentile 52.777 ms)
Flow 2 per-packet one-way delay (95th percentile 54.193 ms)

```
Run 7: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 14:53:07 +0000
End at: Sat, 01 Jul 2017 14:53:37 +0000
Local clock offset: -0.002 ms
Remote clock offset: -3.007 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:00:31 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.04 Mbit/s
95th percentile per-packet one-way delay: 50.693 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 76.90 Mbit/s
95th percentile per-packet one-way delay: 50.682 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 51.324 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 0.93 Mbit/s
95th percentile per-packet one-way delay: 51.153 ms
Loss rate: 0.78%
```
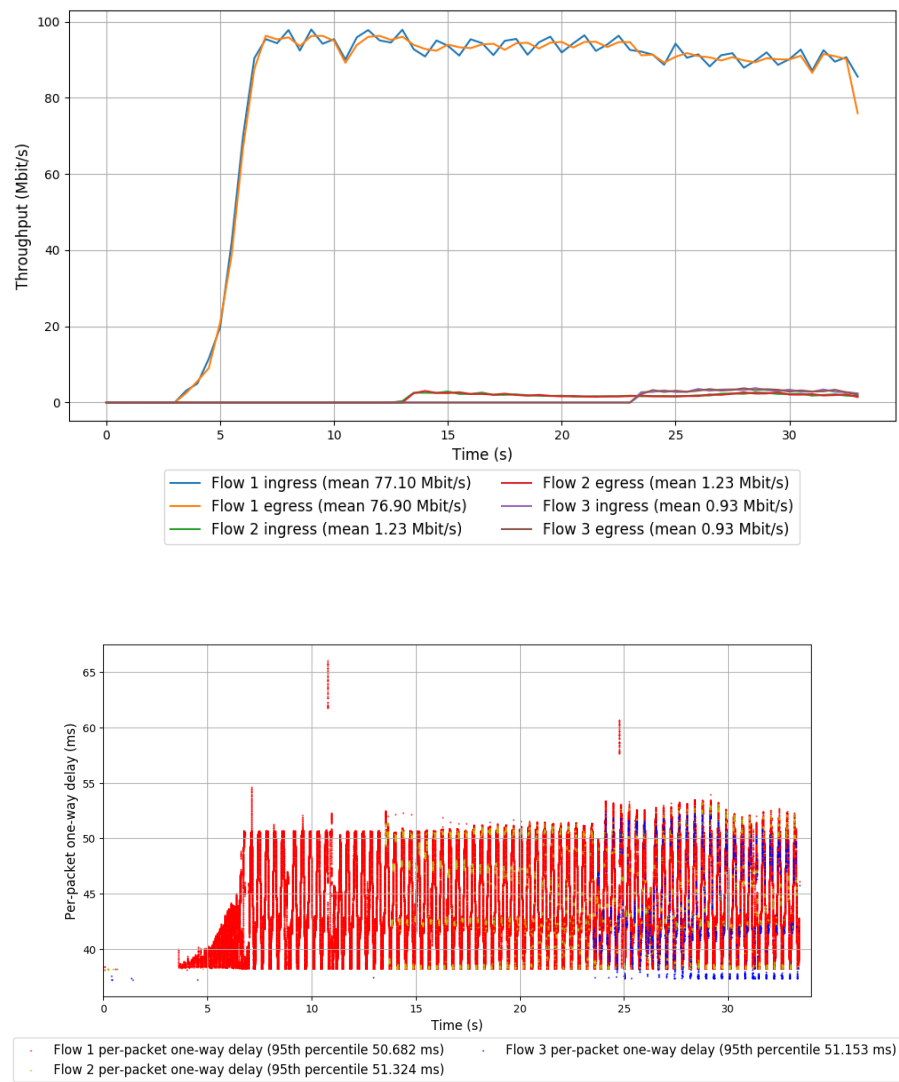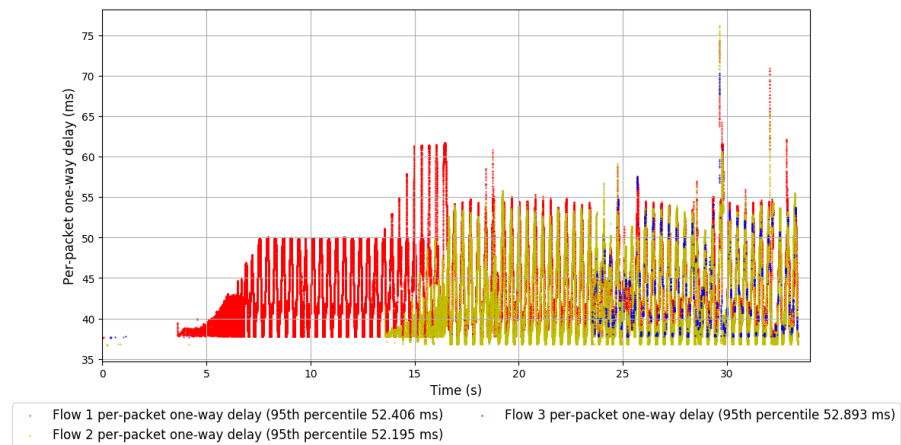
Run 7: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 77.10 Mbit/s)
Flow 1 egress (mean 76.90 Mbit/s)
Flow 2 ingress (mean 1.23 Mbit/s)
Flow 2 egress (mean 1.23 Mbit/s)
Flow 3 ingress (mean 0.93 Mbit/s)
Flow 3 egress (mean 0.93 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 50.682 ms)
Flow 2 per-packet one-way delay (95th percentile 51.324 ms)
Flow 3 per-packet one-way delay (95th percentile 51.153 ms)

```
Run 8: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 15:13:45 +0000
End at: Sat, 01 Jul 2017 15:14:15 +0000
Local clock offset: 0.197 ms
Remote clock offset: -1.696 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:00:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.11 Mbit/s
95th percentile per-packet one-way delay: 52.308 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 52.19 Mbit/s
95th percentile per-packet one-way delay: 52.406 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: 52.195 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 1.03 Mbit/s
95th percentile per-packet one-way delay: 52.893 ms
Loss rate: 1.09%
```
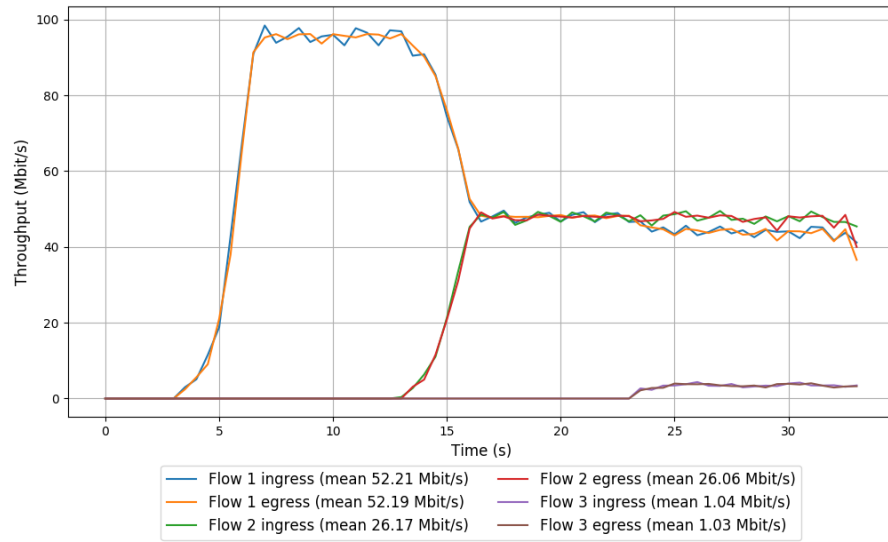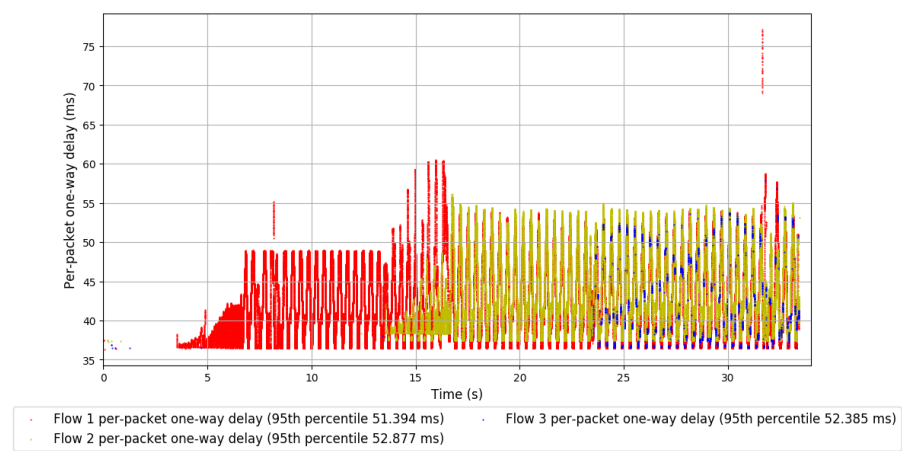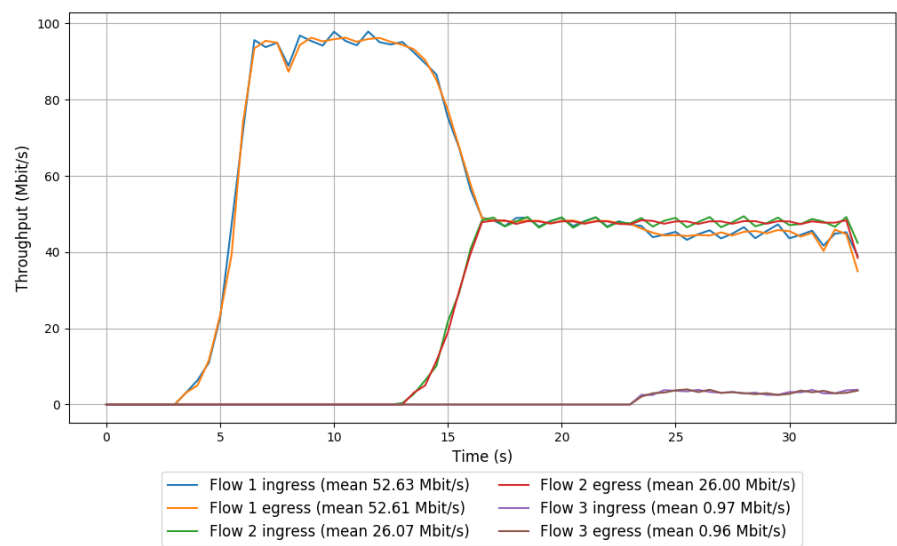
Run 8: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 52.21 Mbit/s)
Flow 1 egress (mean 52.19 Mbit/s)
Flow 2 ingress (mean 26.17 Mbit/s)
Flow 2 egress (mean 26.06 Mbit/s)
Flow 3 ingress (mean 1.04 Mbit/s)
Flow 3 egress (mean 1.03 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 52.406 ms)
Flow 2 per-packet one-way delay (95th percentile 52.195 ms)
Flow 3 per-packet one-way delay (95th percentile 52.893 ms)

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```
Run 9: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 15:34:26 +0000
End at: Sat, 01 Jul 2017 15:34:56 +0000
Local clock offset: 0.187 ms
Remote clock offset: -1.528 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:00:44 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.41 Mbit/s
95th percentile per-packet one-way delay: 52.094 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 52.61 Mbit/s
95th percentile per-packet one-way delay: 51.394 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 52.877 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 52.385 ms
Loss rate: 1.38%
```
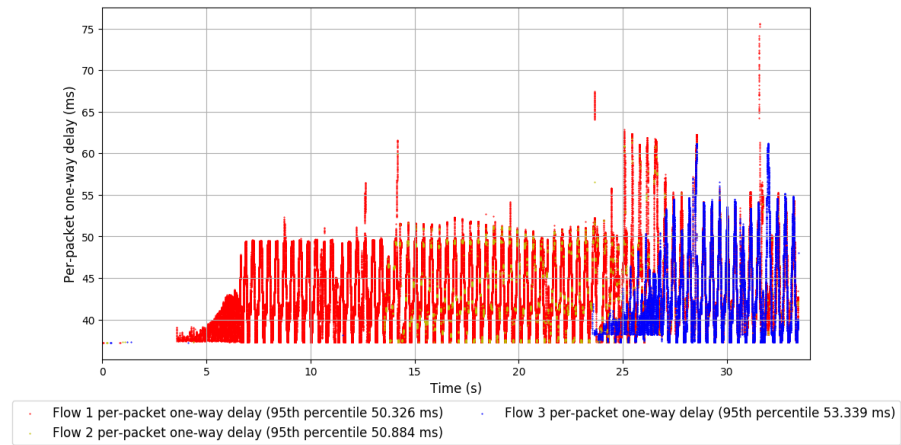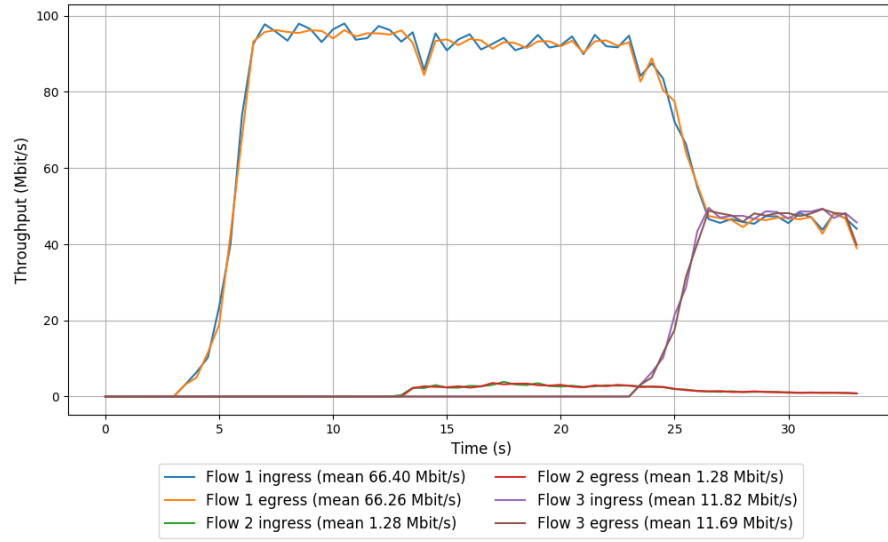
Run 9: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 52.63 Mbit/s) Flow 2 egress (mean 26.00 Mbit/s)
Flow 1 egress (mean 52.61 Mbit/s)   Flow 3 ingress (mean 0.97 Mbit/s)
Flow 2 ingress (mean 26.07 Mbit/s) Flow 3 egress (mean 0.96 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 51.394 ms)   Flow 3 per-packet one-way delay (95th percentile 52.385 ms)
Flow 2 per-packet one-way delay (95th percentile 52.877 ms)

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```
Run 10: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 15:55:04 +0000
End at: Sat, 01 Jul 2017 15:55:34 +0000
Local clock offset: 0.303 ms
Remote clock offset: -4.229 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:00:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.09 Mbit/s
95th percentile per-packet one-way delay: 50.921 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 66.26 Mbit/s
95th percentile per-packet one-way delay: 50.326 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 1.28 Mbit/s
95th percentile per-packet one-way delay: 50.884 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 53.339 ms
Loss rate: 1.35%
```
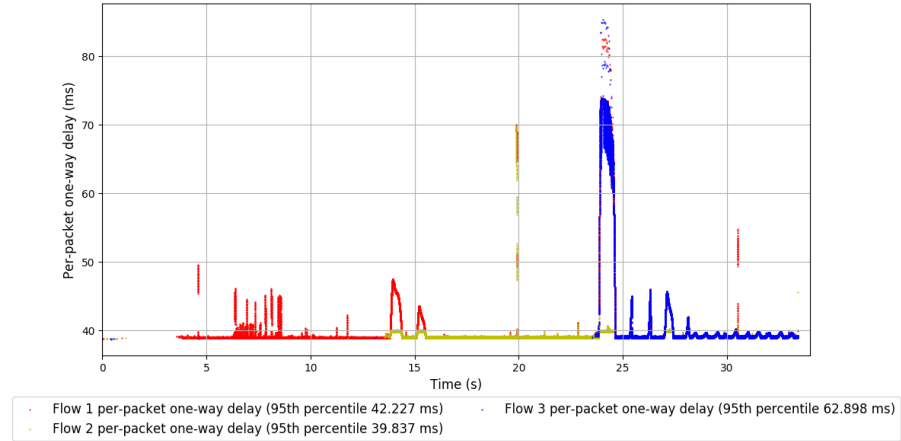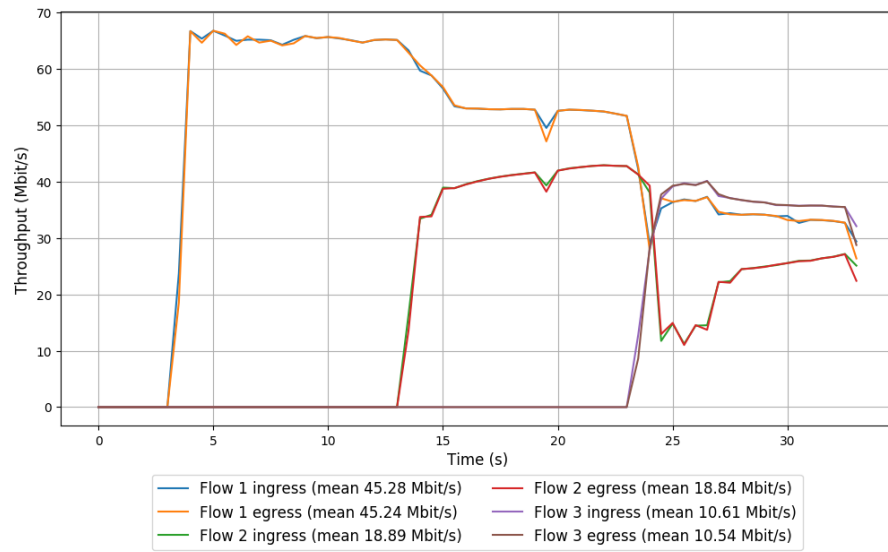
Run 10: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 66.40 Mbit/s)
Flow 1 egress (mean 66.26 Mbit/s)
Flow 2 ingress (mean 1.28 Mbit/s)
Flow 2 egress (mean 1.28 Mbit/s)
Flow 3 ingress (mean 11.82 Mbit/s)
Flow 3 egress (mean 11.69 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 50.326 ms)
Flow 2 per-packet one-way delay (95th percentile 50.884 ms)
Flow 3 per-packet one-way delay (95th percentile 53.339 ms)

```
Run 1: Statistics of Copa

Start at: Sat, 01 Jul 2017 12:42:12 +0000
End at: Sat, 01 Jul 2017 12:42:42 +0000
Local clock offset: 0.651 ms
Remote clock offset: -2.15 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:01:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.40 Mbit/s
95th percentile per-packet one-way delay: 41.650 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 45.24 Mbit/s
95th percentile per-packet one-way delay: 42.227 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 18.84 Mbit/s
95th percentile per-packet one-way delay: 39.837 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 10.54 Mbit/s
95th percentile per-packet one-way delay: 62.898 ms
Loss rate: 0.88%
```
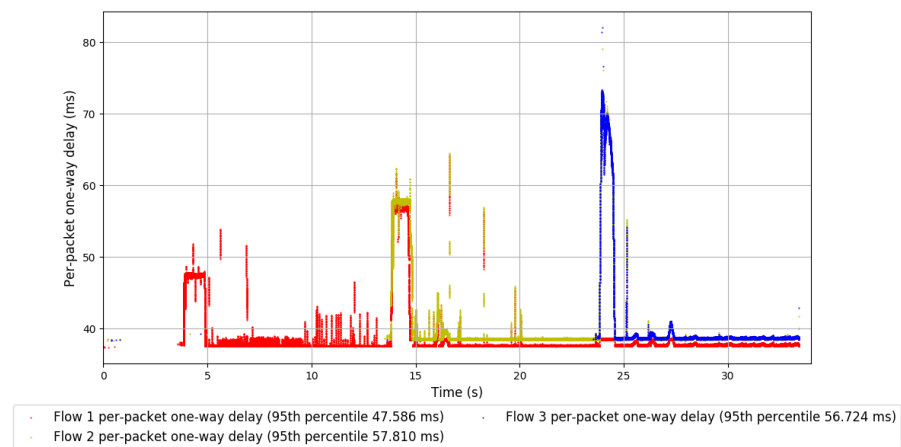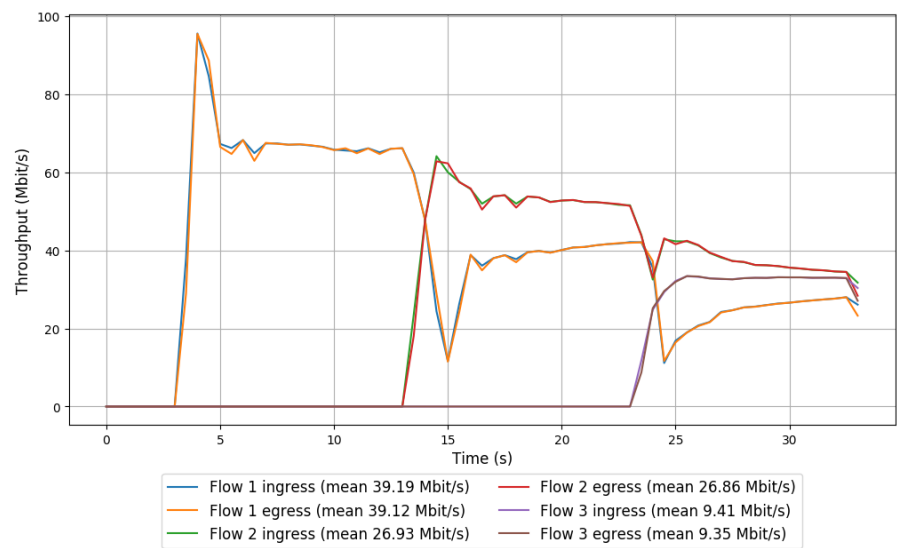
Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 45.28 Mbit/s)
Flow 1 egress (mean 45.24 Mbit/s)
Flow 2 ingress (mean 18.89 Mbit/s)
Flow 2 egress (mean 18.84 Mbit/s)
Flow 3 ingress (mean 10.61 Mbit/s)
Flow 3 egress (mean 10.54 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 42.227 ms)
Flow 2 per-packet one-way delay (95th percentile 39.837 ms)
Flow 3 per-packet one-way delay (95th percentile 62.898 ms)

```
Run 2: Statistics of Copa

Start at: Sat, 01 Jul 2017 13:02:58 +0000
End at: Sat, 01 Jul 2017 13:03:28 +0000
Local clock offset: 0.788 ms
Remote clock offset: -2.119 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:01:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.07 Mbit/s
95th percentile per-packet one-way delay: 50.636 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 39.12 Mbit/s
95th percentile per-packet one-way delay: 47.586 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 26.86 Mbit/s
95th percentile per-packet one-way delay: 57.810 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 56.724 ms
Loss rate: 0.93%
```
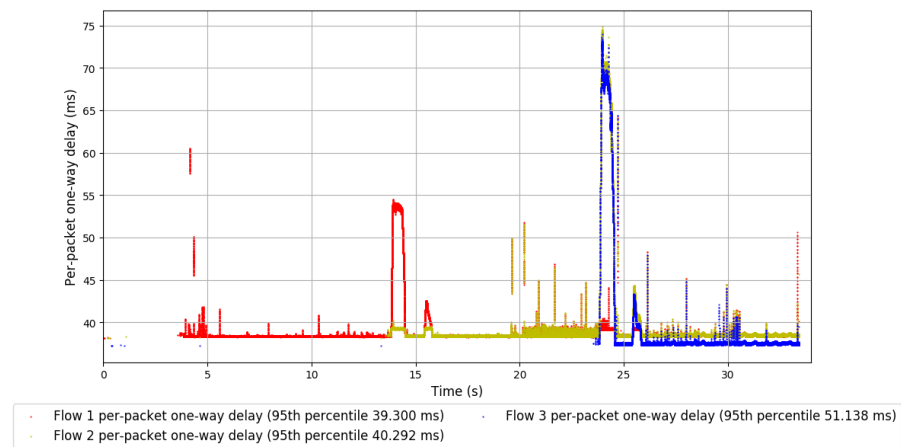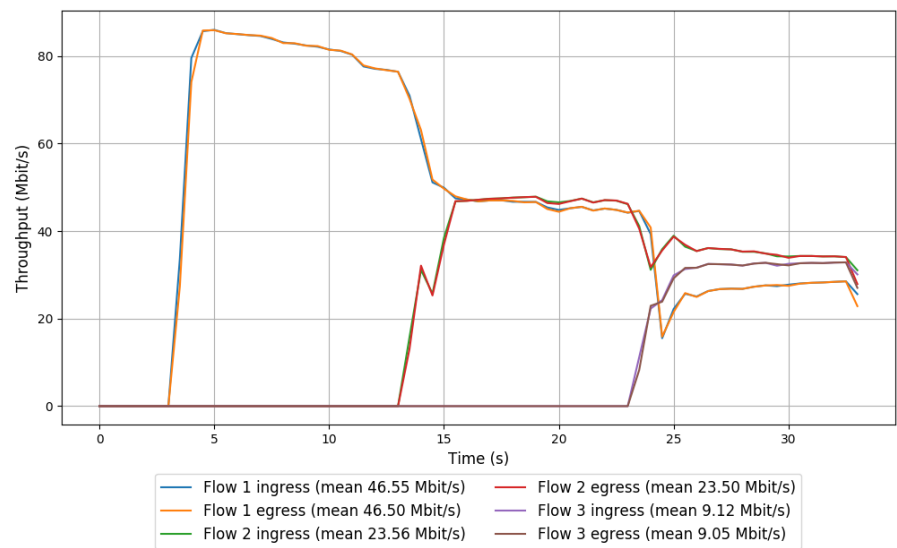
Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 39.19 Mbit/s)   Flow 2 egress (mean 26.86 Mbit/s)
Flow 1 egress (mean 39.12 Mbit/s)   Flow 3 ingress (mean 9.41 Mbit/s)
Flow 2 ingress (mean 26.93 Mbit/s)   Flow 3 egress (mean 9.35 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 47.586 ms)   Flow 3 per-packet one-way delay (95th percentile 56.724 ms)
Flow 2 per-packet one-way delay (95th percentile 57.810 ms)

```
Run 3: Statistics of Copa

Start at: Sat, 01 Jul 2017 13:23:43 +0000
End at: Sat, 01 Jul 2017 13:24:13 +0000
Local clock offset: 0.682 ms
Remote clock offset: -0.623 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:01:26 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 39.601 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 46.50 Mbit/s
95th percentile per-packet one-way delay: 39.300 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 40.292 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 9.05 Mbit/s
95th percentile per-packet one-way delay: 51.138 ms
Loss rate: 1.03%
```
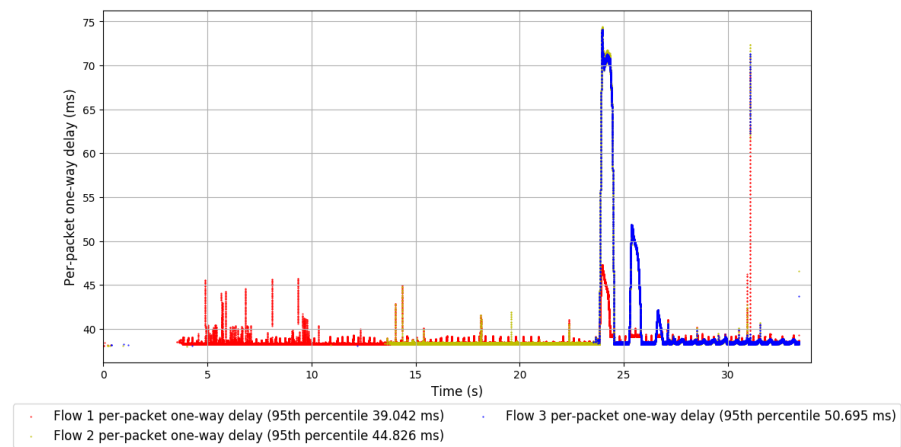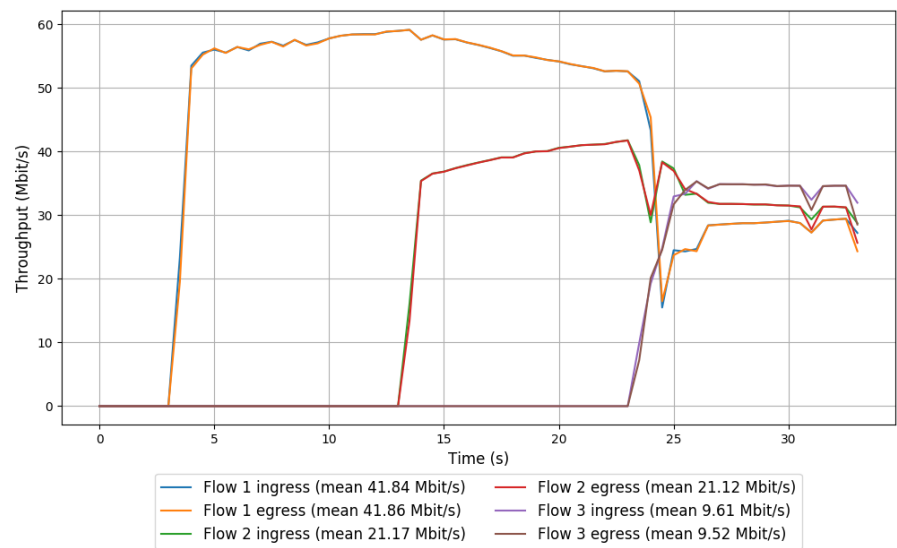
Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 46.55 Mbit/s)
Flow 1 egress (mean 46.50 Mbit/s)
Flow 2 ingress (mean 23.56 Mbit/s)
Flow 2 egress (mean 23.50 Mbit/s)
Flow 3 ingress (mean 9.12 Mbit/s)
Flow 3 egress (mean 9.05 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 39.300 ms)
Flow 2 per-packet one-way delay (95th percentile 40.292 ms)
Flow 3 per-packet one-way delay (95th percentile 51.138 ms)

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```
Run 4: Statistics of Copa

Start at: Sat, 01 Jul 2017 13:44:26 +0000
End at: Sat, 01 Jul 2017 13:44:56 +0000
Local clock offset: 0.707 ms
Remote clock offset: -0.363 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:01:26 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.27 Mbit/s
95th percentile per-packet one-way delay: 39.761 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 39.042 ms
Loss rate: 0.20%
-- Flow 2:
Average throughput: 21.12 Mbit/s
95th percentile per-packet one-way delay: 44.826 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 50.695 ms
Loss rate: 1.20%
```
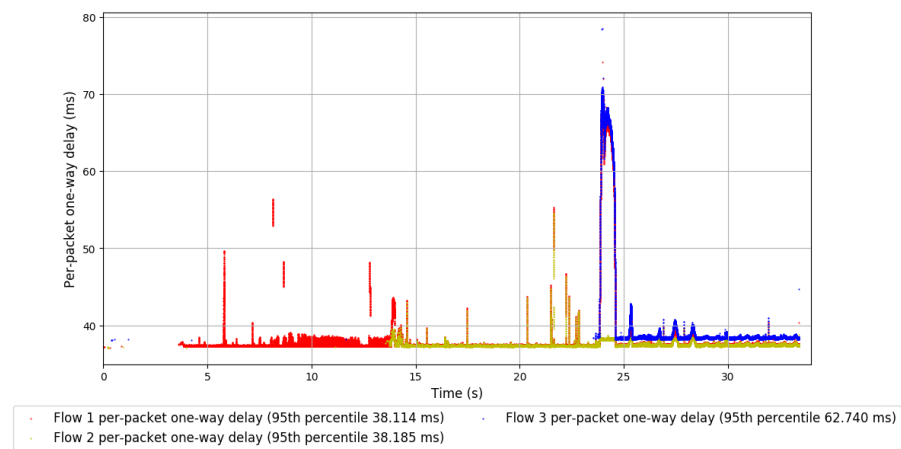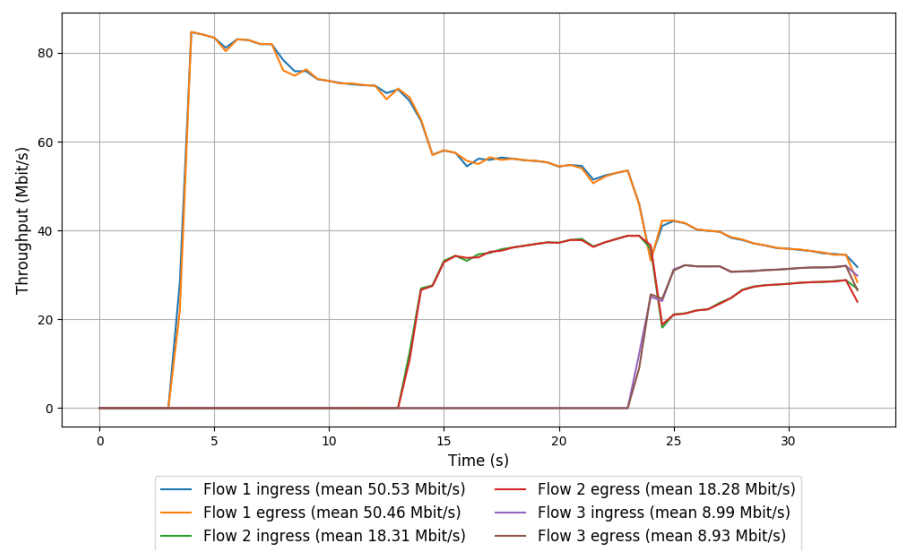
Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 41.84 Mbit/s)
Flow 1 egress (mean 41.86 Mbit/s)
Flow 2 ingress (mean 21.17 Mbit/s)
Flow 2 egress (mean 21.12 Mbit/s)
Flow 3 ingress (mean 9.61 Mbit/s)
Flow 3 egress (mean 9.52 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 39.042 ms)
Flow 2 per-packet one-way delay (95th percentile 44.826 ms)
Flow 3 per-packet one-way delay (95th percentile 50.695 ms)

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```
Run 5: Statistics of Copa

Start at: Sat, 01 Jul 2017 14:04:55 +0000
End at: Sat, 01 Jul 2017 14:05:25 +0000
Local clock offset: 0.523 ms
Remote clock offset: -2.972 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:01:47 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.46 Mbit/s
95th percentile per-packet one-way delay: 38.584 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 50.46 Mbit/s
95th percentile per-packet one-way delay: 38.114 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 18.28 Mbit/s
95th percentile per-packet one-way delay: 38.185 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 62.740 ms
Loss rate: 0.96%
```
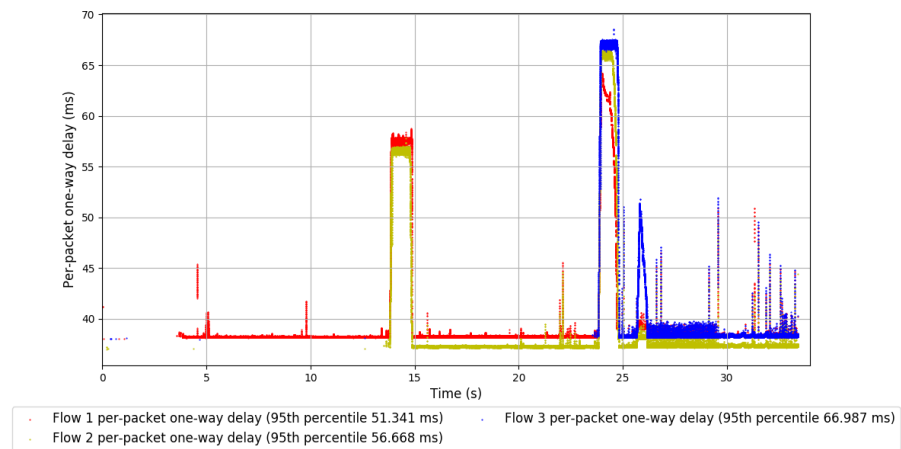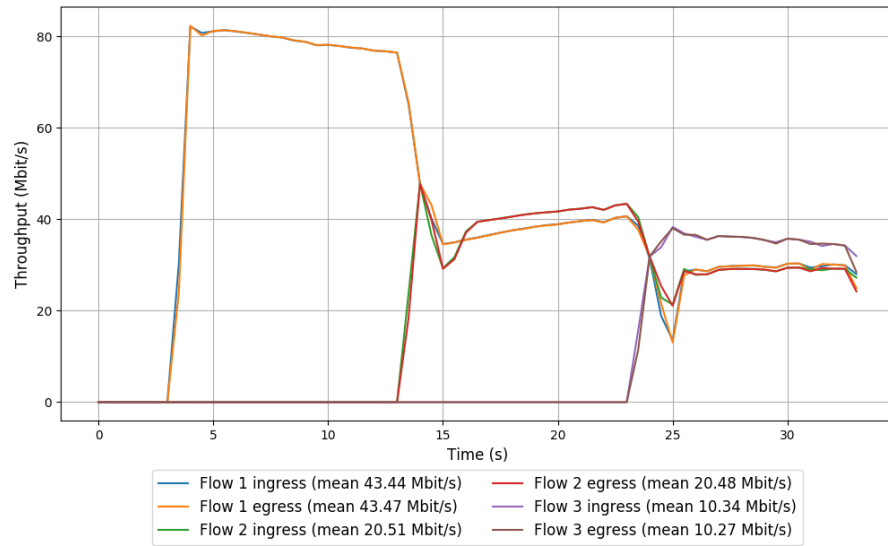
Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 50.53 Mbit/s)
Flow 1 egress (mean 50.46 Mbit/s)
Flow 2 ingress (mean 18.31 Mbit/s)
Flow 2 egress (mean 18.28 Mbit/s)
Flow 3 ingress (mean 8.99 Mbit/s)
Flow 3 egress (mean 8.93 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 38.114 ms)
Flow 2 per-packet one-way delay (95th percentile 38.185 ms)
Flow 3 per-packet one-way delay (95th percentile 62.740 ms)

```
Run 6: Statistics of Copa

Start at: Sat, 01 Jul 2017 14:25:38 +0000
End at: Sat, 01 Jul 2017 14:26:08 +0000
Local clock offset: 0.535 ms
Remote clock offset: -0.702 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:01:47 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 56.830 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 43.47 Mbit/s
95th percentile per-packet one-way delay: 51.341 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 56.668 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 66.987 ms
Loss rate: 0.99%
```
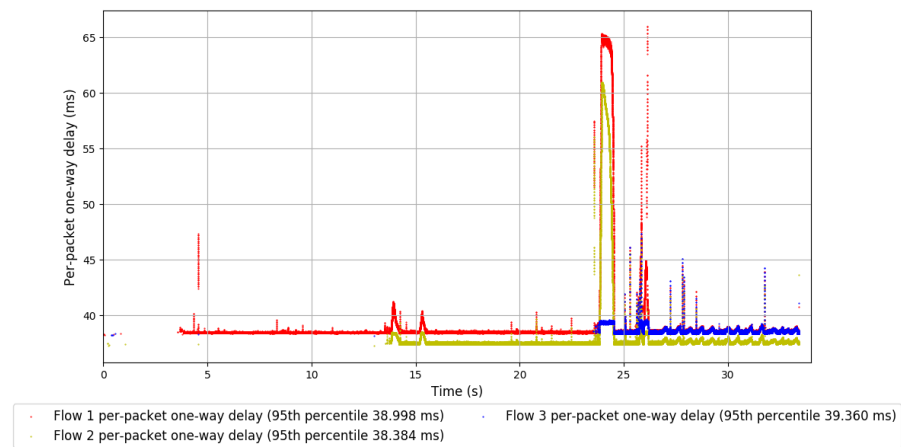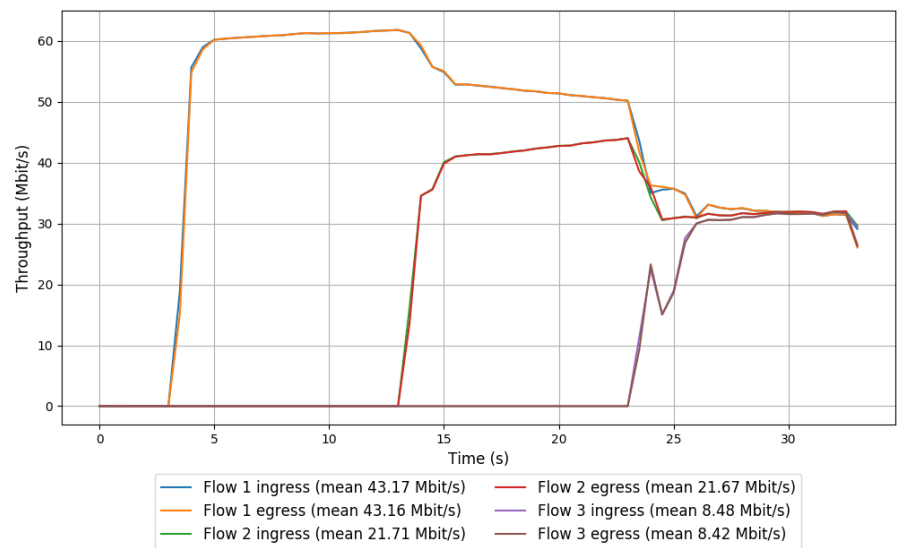
Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 43.44 Mbit/s)
Flow 1 egress (mean 43.47 Mbit/s)
Flow 2 ingress (mean 20.51 Mbit/s)
Flow 2 egress (mean 20.48 Mbit/s)
Flow 3 ingress (mean 10.34 Mbit/s)
Flow 3 egress (mean 10.27 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 51.341 ms)
Flow 2 per-packet one-way delay (95th percentile 56.668 ms)
Flow 3 per-packet one-way delay (95th percentile 66.987 ms)

```
Run 7: Statistics of Copa

Start at: Sat, 01 Jul 2017 14:46:12 +0000
End at: Sat, 01 Jul 2017 14:46:42 +0000
Local clock offset: 0.104 ms
Remote clock offset: -1.159 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:02:04 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.05 Mbit/s
95th percentile per-packet one-way delay: 39.063 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 43.16 Mbit/s
95th percentile per-packet one-way delay: 38.998 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 21.67 Mbit/s
95th percentile per-packet one-way delay: 38.384 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 39.360 ms
Loss rate: 0.98%
```
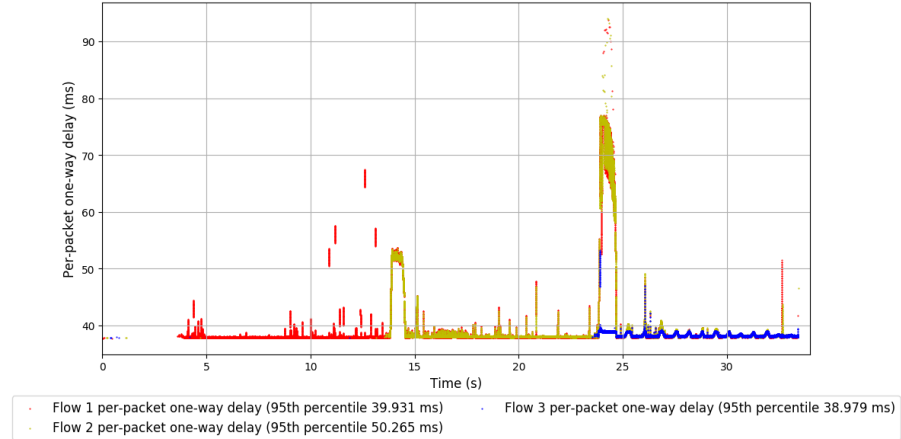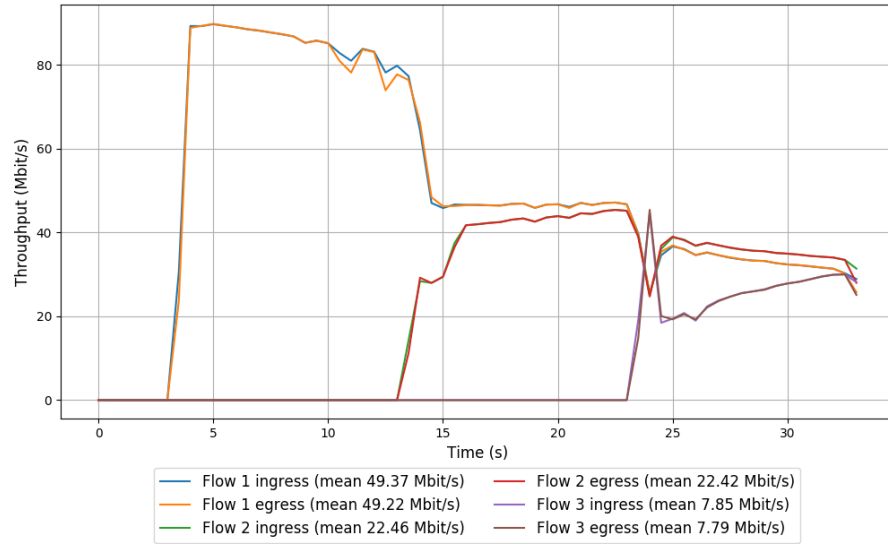
Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 43.17 Mbit/s)   Flow 2 egress (mean 21.67 Mbit/s)
Flow 1 egress (mean 43.16 Mbit/s)   Flow 3 ingress (mean 8.48 Mbit/s)
Flow 2 ingress (mean 21.71 Mbit/s)   Flow 3 egress (mean 8.42 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 38.998 ms)   Flow 3 per-packet one-way delay (95th percentile 39.360 ms)
Flow 2 per-packet one-way delay (95th percentile 38.384 ms)

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```
Run 8: Statistics of Copa

Start at: Sat, 01 Jul 2017 15:06:50 +0000
End at: Sat, 01 Jul 2017 15:07:20 +0000
Local clock offset: 0.077 ms
Remote clock offset: -1.597 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:02:08 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.21 Mbit/s
95th percentile per-packet one-way delay: 40.001 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 49.22 Mbit/s
95th percentile per-packet one-way delay: 39.931 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 22.42 Mbit/s
95th percentile per-packet one-way delay: 50.265 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 38.979 ms
Loss rate: 1.15%
```
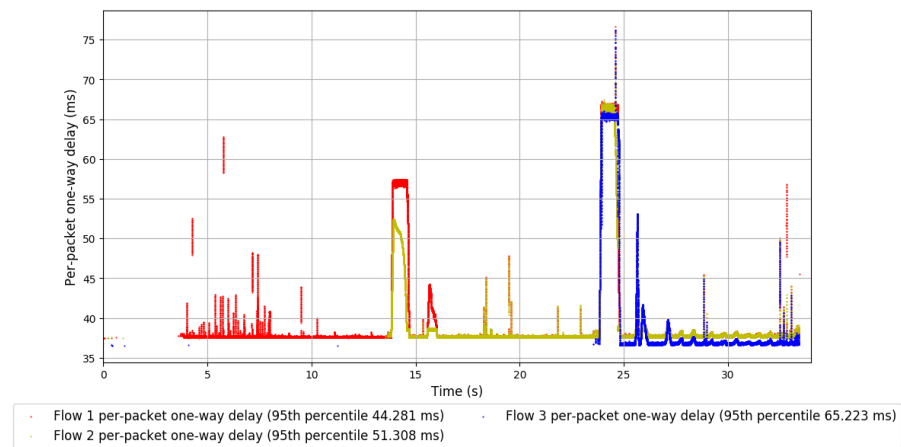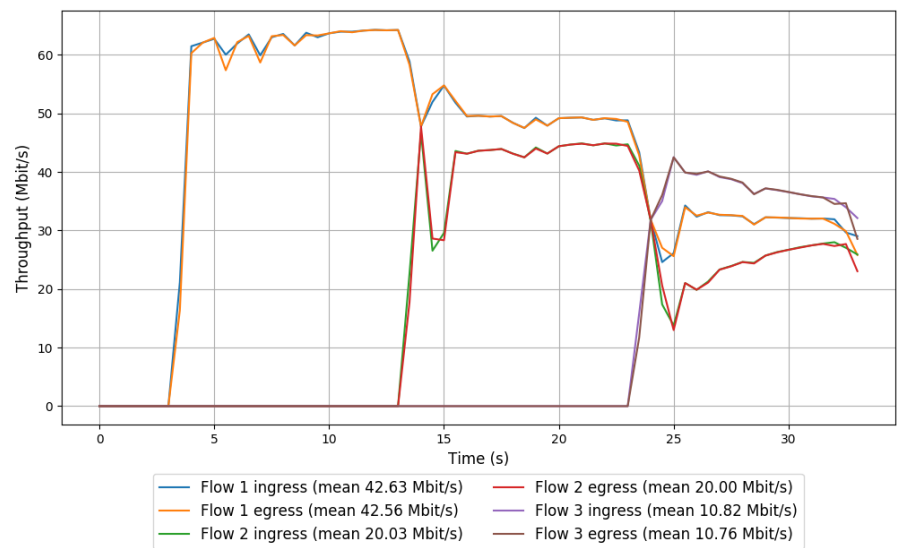
Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 49.37 Mbit/s)
Flow 1 egress (mean 49.22 Mbit/s)
Flow 2 ingress (mean 22.46 Mbit/s)
Flow 2 egress (mean 22.42 Mbit/s)
Flow 3 ingress (mean 7.85 Mbit/s)
Flow 3 egress (mean 7.79 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 39.931 ms)
Flow 2 per-packet one-way delay (95th percentile 50.265 ms)
Flow 3 per-packet one-way delay (95th percentile 38.979 ms)

```
Run 9: Statistics of Copa

Start at: Sat, 01 Jul 2017 15:27:30 +0000
End at: Sat, 01 Jul 2017 15:28:00 +0000
Local clock offset: 0.139 ms
Remote clock offset: -1.893 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:02:20 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.09 Mbit/s
95th percentile per-packet one-way delay: 51.985 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 42.56 Mbit/s
95th percentile per-packet one-way delay: 44.281 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 20.00 Mbit/s
95th percentile per-packet one-way delay: 51.308 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 65.223 ms
Loss rate: 0.88%
```
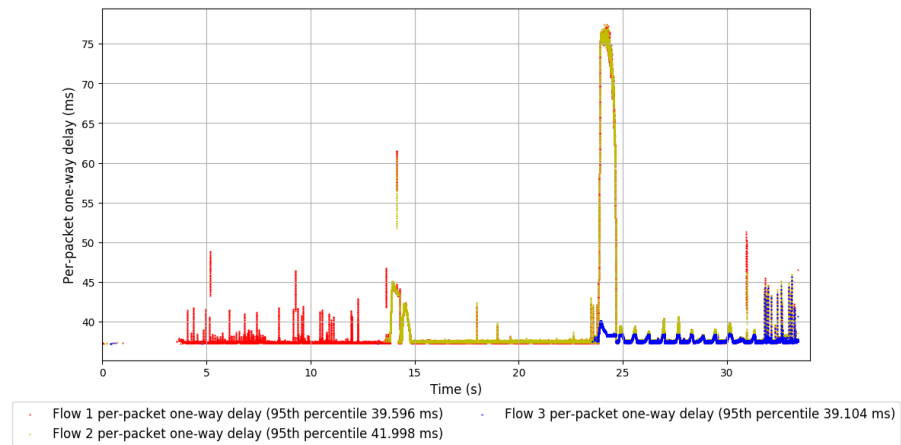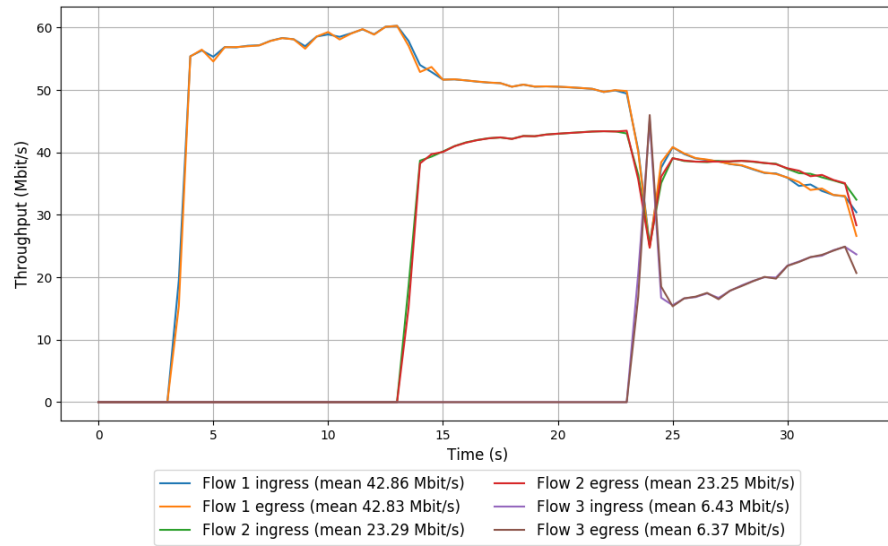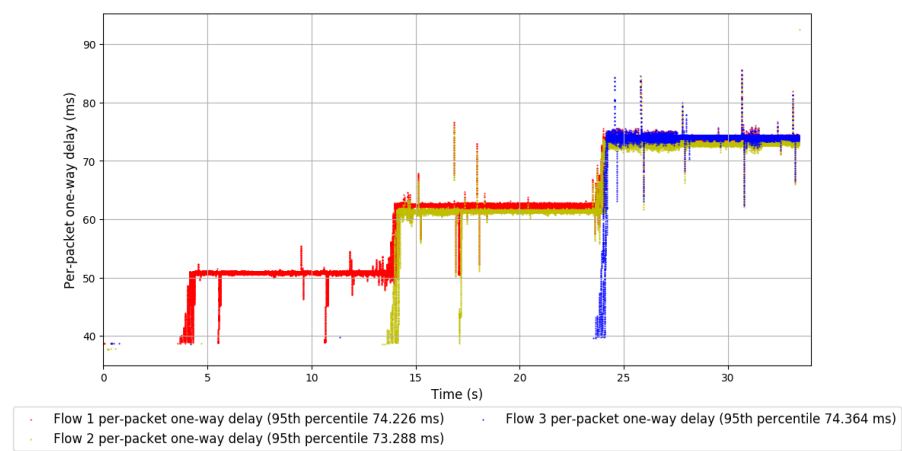
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 42.63 Mbit/s)
Flow 1 egress (mean 42.56 Mbit/s)
Flow 2 ingress (mean 20.03 Mbit/s)
Flow 2 egress (mean 20.00 Mbit/s)
Flow 3 ingress (mean 10.82 Mbit/s)
Flow 3 egress (mean 10.76 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 44.281 ms)
Flow 2 per-packet one-way delay (95th percentile 51.308 ms)
Flow 3 per-packet one-way delay (95th percentile 65.223 ms)

```
Run 10: Statistics of Copa

Start at: Sat, 01 Jul 2017 15:48:10 +0000
End at: Sat, 01 Jul 2017 15:48:40 +0000
Local clock offset: 0.295 ms
Remote clock offset: -2.14 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:02:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.24 Mbit/s
95th percentile per-packet one-way delay: 39.974 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 42.83 Mbit/s
95th percentile per-packet one-way delay: 39.596 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 23.25 Mbit/s
95th percentile per-packet one-way delay: 41.998 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 6.37 Mbit/s
95th percentile per-packet one-way delay: 39.104 ms
Loss rate: 1.09%
```
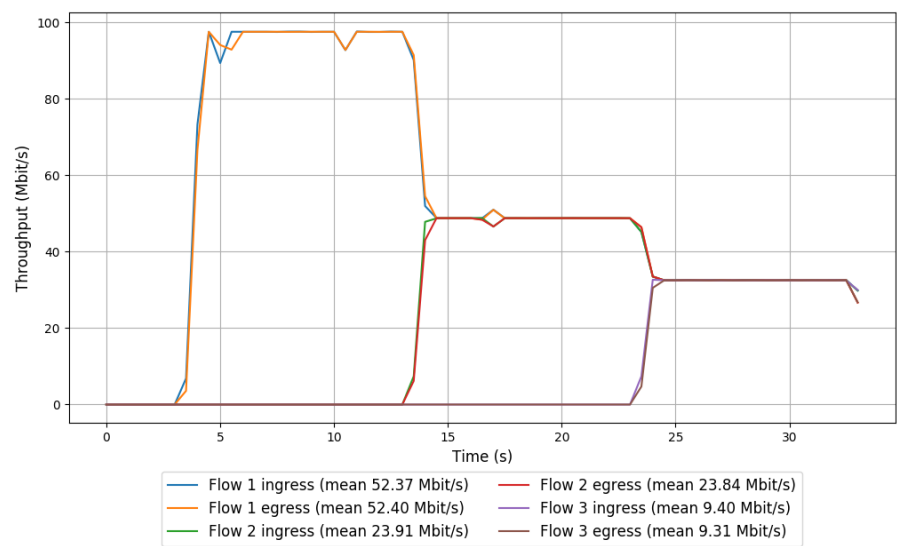
Run 10: Report of Copa — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 12:43:39 +0000
End at: Sat, 01 Jul 2017 12:44:09 +0000
Local clock offset: 0.744 ms
Remote clock offset: -0.251 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:02:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.29 Mbit/s
95th percentile per-packet one-way delay: 74.256 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 52.40 Mbit/s
95th percentile per-packet one-way delay: 74.226 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 23.84 Mbit/s
95th percentile per-packet one-way delay: 73.288 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 74.364 ms
Loss rate: 1.29%
```
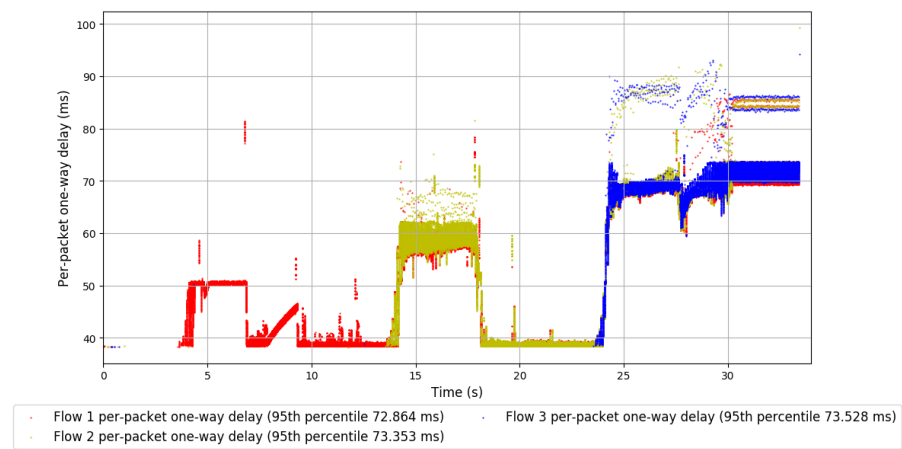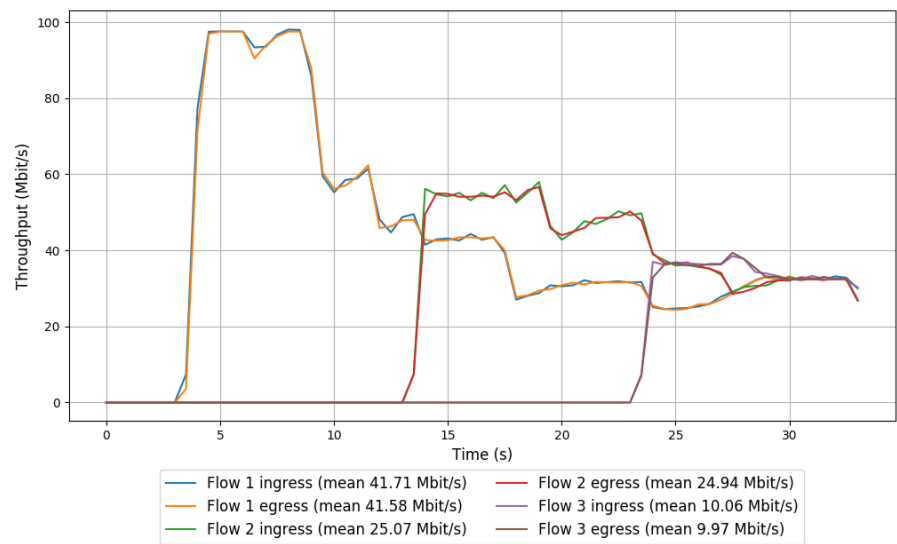
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 13:04:26 +0000
End at: Sat, 01 Jul 2017 13:04:56 +0000
Local clock offset: 0.793 ms
Remote clock offset: -0.11 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:02:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 73.361 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 41.58 Mbit/s
95th percentile per-packet one-way delay: 72.864 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 24.94 Mbit/s
95th percentile per-packet one-way delay: 73.353 ms
Loss rate: 0.80%
-- Flow 3:
Average throughput: 9.97 Mbit/s
95th percentile per-packet one-way delay: 73.528 ms
Loss rate: 1.19%
```
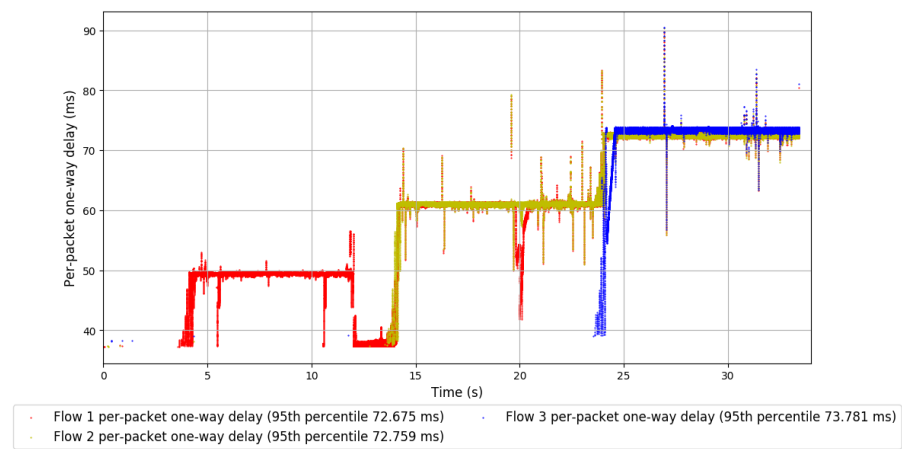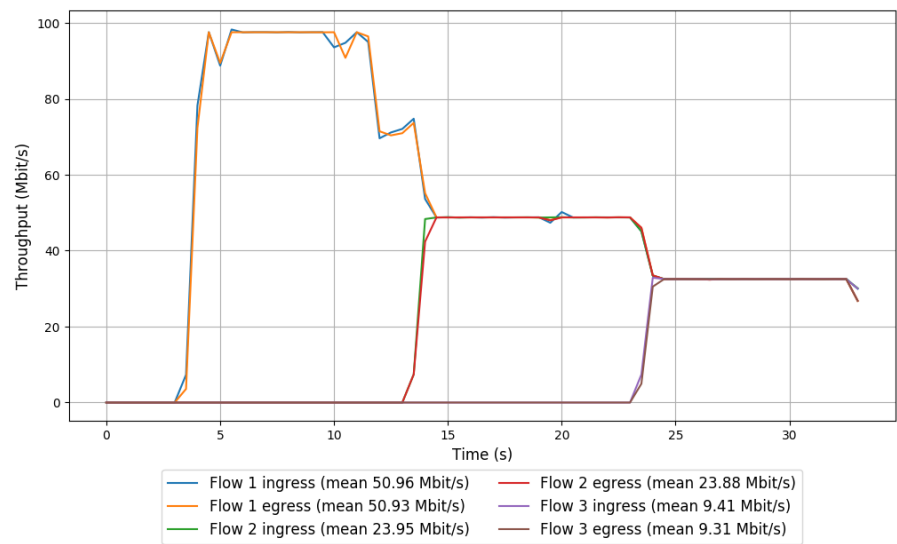
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 41.71 Mbit/s)
Flow 1 egress (mean 41.58 Mbit/s)
Flow 2 ingress (mean 25.07 Mbit/s)
Flow 2 egress (mean 24.94 Mbit/s)
Flow 3 ingress (mean 10.06 Mbit/s)
Flow 3 egress (mean 9.97 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 72.864 ms)
Flow 2 per-packet one-way delay (95th percentile 73.353 ms)
Flow 3 per-packet one-way delay (95th percentile 73.528 ms)

```
Run 3: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 13:25:12 +0000
End at: Sat, 01 Jul 2017 13:25:42 +0000
Local clock offset: 0.771 ms
Remote clock offset: -2.377 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:02:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.89 Mbit/s
95th percentile per-packet one-way delay: 73.520 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 50.93 Mbit/s
95th percentile per-packet one-way delay: 72.675 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 72.759 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 73.781 ms
Loss rate: 1.29%
```
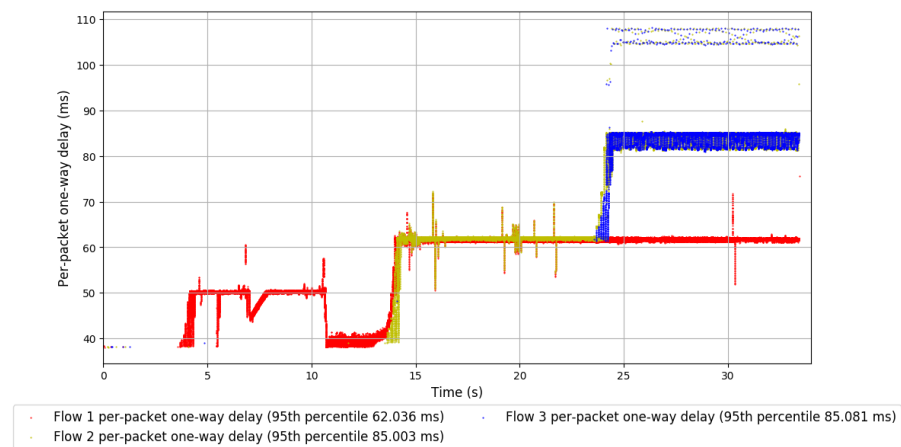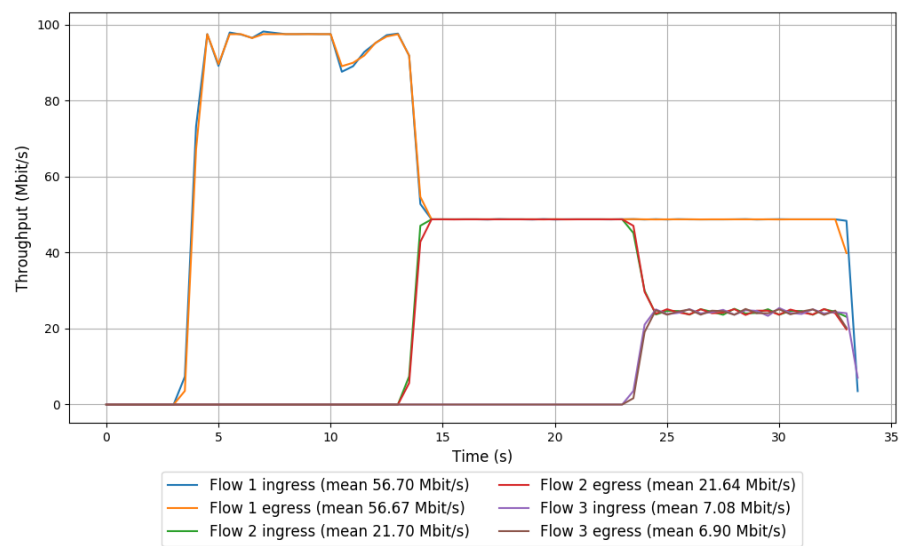
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 50.96 Mbit/s)   Flow 2 egress (mean 23.88 Mbit/s)
Flow 1 egress (mean 50.93 Mbit/s)   Flow 3 ingress (mean 9.41 Mbit/s)
Flow 2 ingress (mean 23.95 Mbit/s)   Flow 3 egress (mean 9.31 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 72.675 ms)   Flow 3 per-packet one-way delay (95th percentile 73.781 ms)
Flow 2 per-packet one-way delay (95th percentile 72.759 ms)

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```
Run 4: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 13:45:53 +0000
End at: Sat, 01 Jul 2017 13:46:23 +0000
Local clock offset: 0.624 ms
Remote clock offset: -0.484 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:02:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.02 Mbit/s
95th percentile per-packet one-way delay: 84.853 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 56.67 Mbit/s
95th percentile per-packet one-way delay: 62.036 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 85.003 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 85.081 ms
Loss rate: 3.13%
```
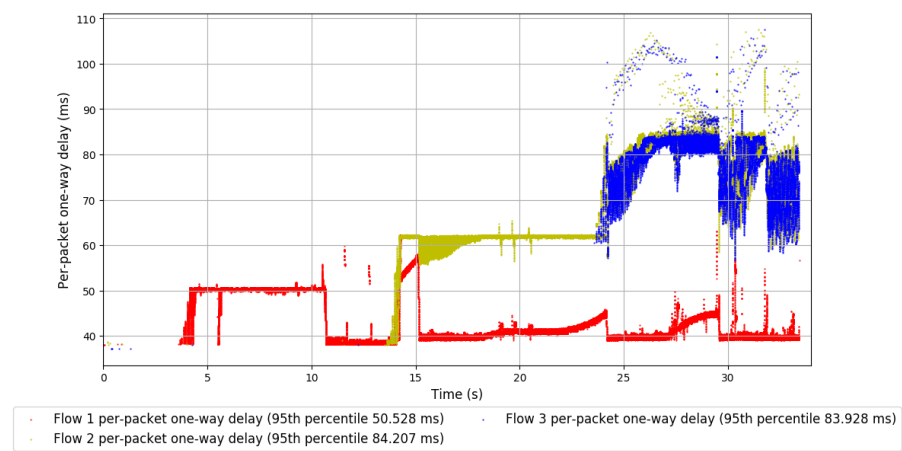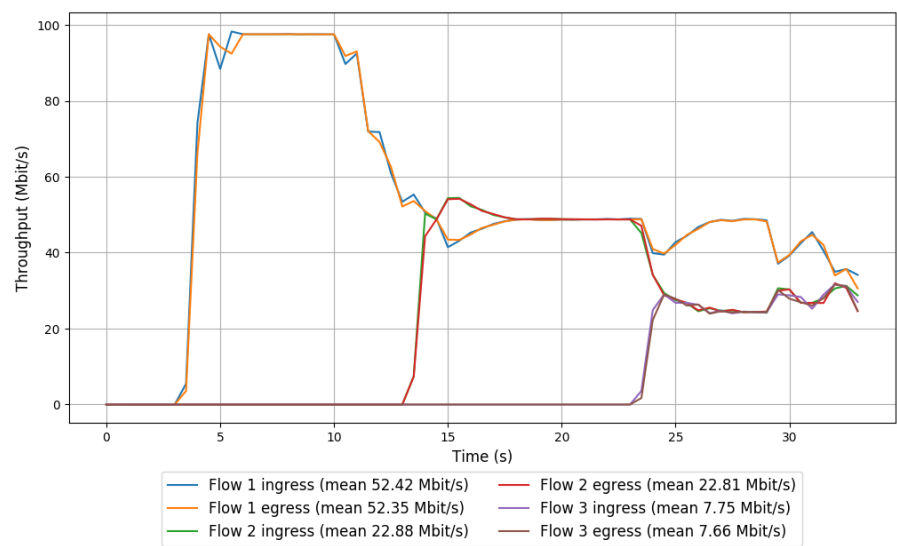
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 56.70 Mbit/s)   Flow 2 egress (mean 21.64 Mbit/s)
Flow 1 egress (mean 56.67 Mbit/s)   Flow 3 ingress (mean 7.08 Mbit/s)
Flow 2 ingress (mean 21.70 Mbit/s)   Flow 3 egress (mean 6.90 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.036 ms)   Flow 3 per-packet one-way delay (95th percentile 85.081 ms)
Flow 2 per-packet one-way delay (95th percentile 85.003 ms)

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```
Run 5: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 14:06:23 +0000
End at: Sat, 01 Jul 2017 14:06:53 +0000
Local clock offset: 0.499 ms
Remote clock offset: -2.657 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:01 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 82.707 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 50.528 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 22.81 Mbit/s
95th percentile per-packet one-way delay: 84.207 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 7.66 Mbit/s
95th percentile per-packet one-way delay: 83.928 ms
Loss rate: 1.45%
```
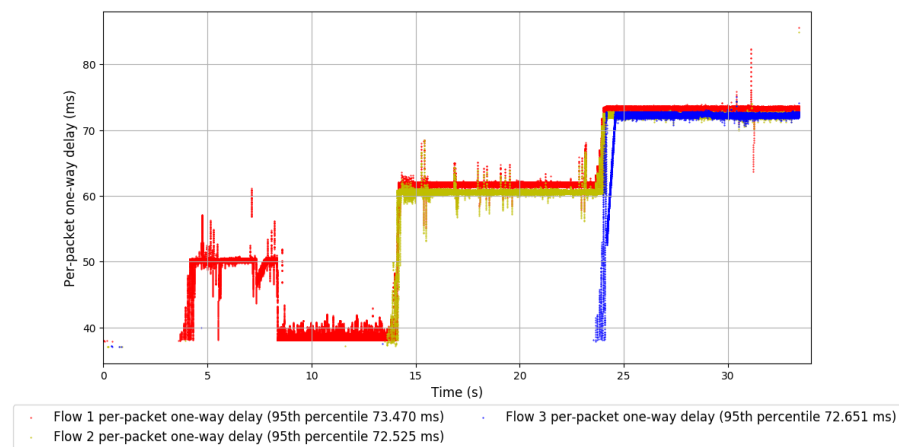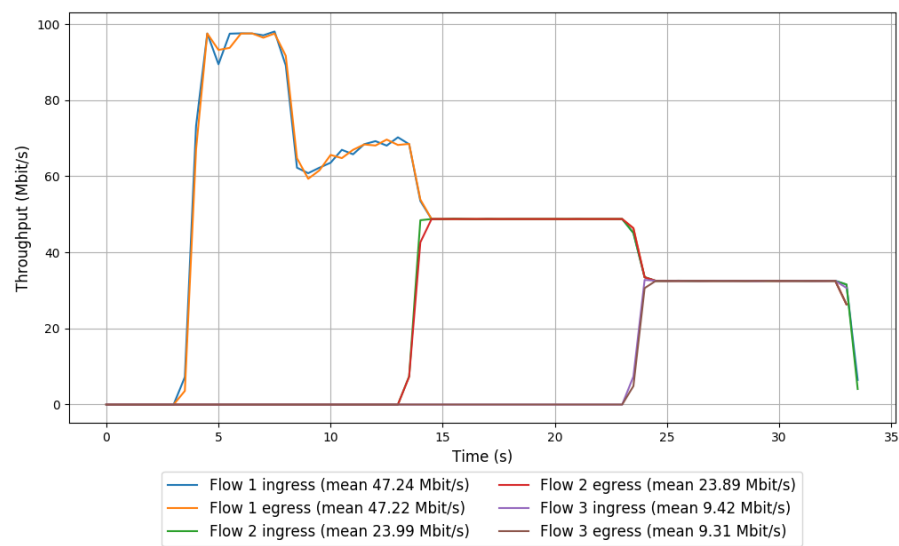
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 52.42 Mbit/s)   Flow 2 egress (mean 22.81 Mbit/s)
Flow 1 egress (mean 52.35 Mbit/s)   Flow 3 ingress (mean 7.75 Mbit/s)
Flow 2 ingress (mean 22.88 Mbit/s)   Flow 3 egress (mean 7.66 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 50.528 ms)   Flow 3 per-packet one-way delay (95th percentile 83.928 ms)
Flow 2 per-packet one-way delay (95th percentile 84.207 ms)

```
Run 6: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 14:27:05 +0000
End at: Sat, 01 Jul 2017 14:27:35 +0000
Local clock offset: 0.446 ms
Remote clock offset: -0.813 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.19 Mbit/s
95th percentile per-packet one-way delay: 73.361 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 47.22 Mbit/s
95th percentile per-packet one-way delay: 73.470 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 72.525 ms
Loss rate: 0.87%
-- Flow 3:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 72.651 ms
Loss rate: 1.45%
```
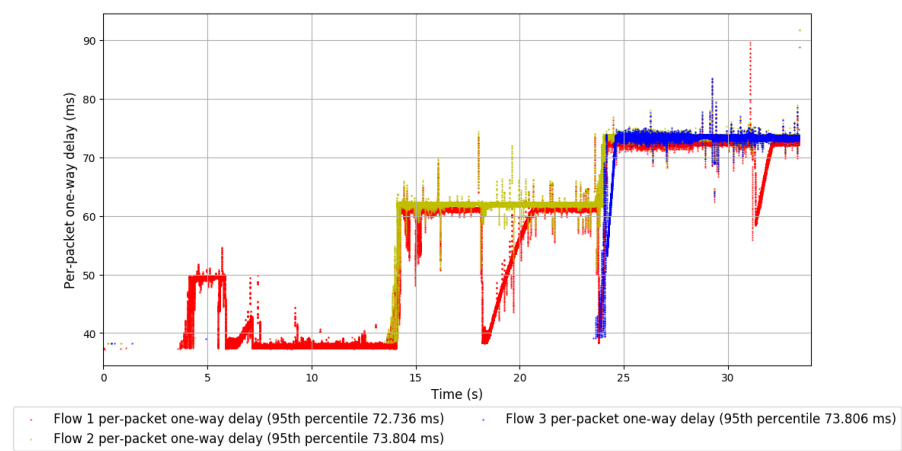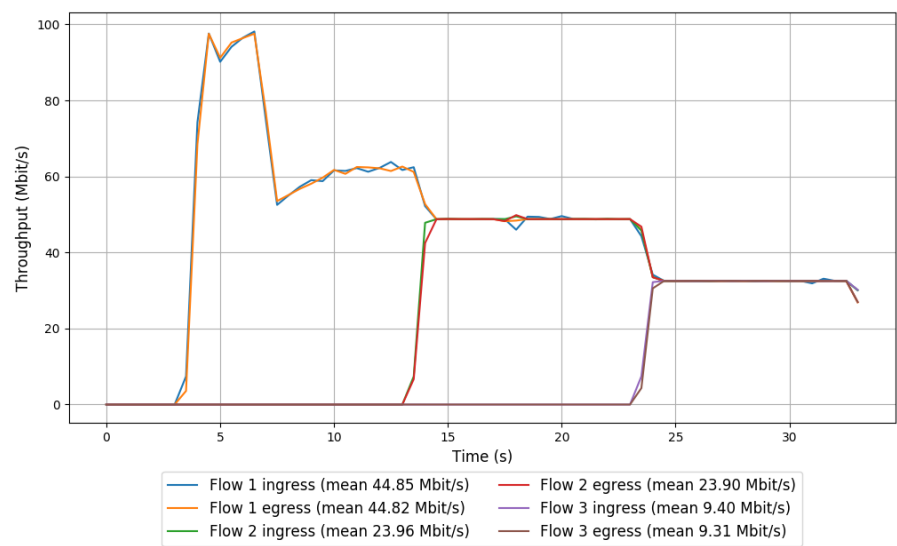
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 47.24 Mbit/s)
Flow 1 egress (mean 47.22 Mbit/s)
Flow 2 ingress (mean 23.99 Mbit/s)
Flow 2 egress (mean 23.89 Mbit/s)
Flow 3 ingress (mean 9.42 Mbit/s)
Flow 3 egress (mean 9.31 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 73.470 ms)
Flow 2 per-packet one-way delay (95th percentile 72.525 ms)
Flow 3 per-packet one-way delay (95th percentile 72.651 ms)

```
Run 7: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 14:47:39 +0000
End at: Sat, 01 Jul 2017 14:48:09 +0000
Local clock offset: 0.099 ms
Remote clock offset: -1.202 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.78 Mbit/s
95th percentile per-packet one-way delay: 73.741 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 44.82 Mbit/s
95th percentile per-packet one-way delay: 72.736 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 23.90 Mbit/s
95th percentile per-packet one-way delay: 73.804 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 73.806 ms
Loss rate: 1.28%
```
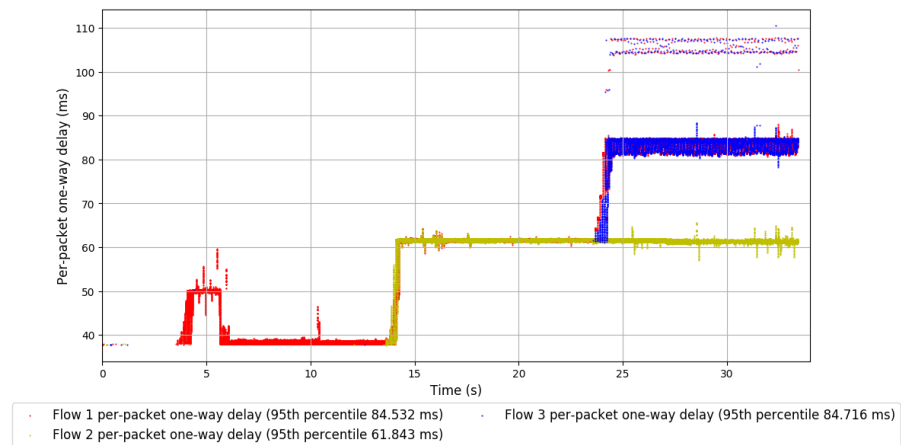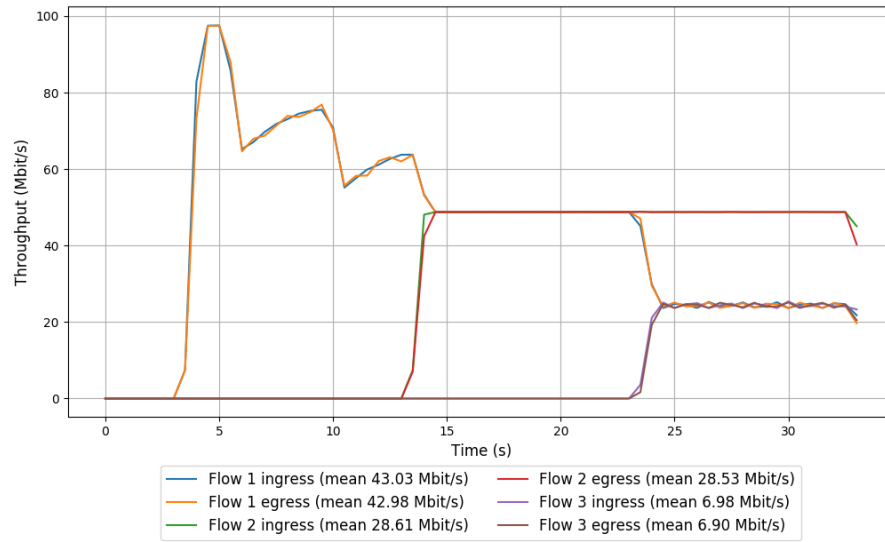
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 44.85 Mbit/s)
Flow 1 egress (mean 44.82 Mbit/s)
Flow 2 ingress (mean 23.96 Mbit/s)
Flow 2 egress (mean 23.90 Mbit/s)
Flow 3 ingress (mean 9.40 Mbit/s)
Flow 3 egress (mean 9.31 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 72.736 ms)
Flow 2 per-packet one-way delay (95th percentile 73.804 ms)
Flow 3 per-packet one-way delay (95th percentile 73.806 ms)

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```
Run 8: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 15:08:18 +0000
End at: Sat, 01 Jul 2017 15:08:48 +0000
Local clock offset: 0.19 ms
Remote clock offset: -3.296 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.17 Mbit/s
95th percentile per-packet one-way delay: 84.547 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 42.98 Mbit/s
95th percentile per-packet one-way delay: 84.532 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 28.53 Mbit/s
95th percentile per-packet one-way delay: 61.843 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 84.716 ms
Loss rate: 1.43%
```
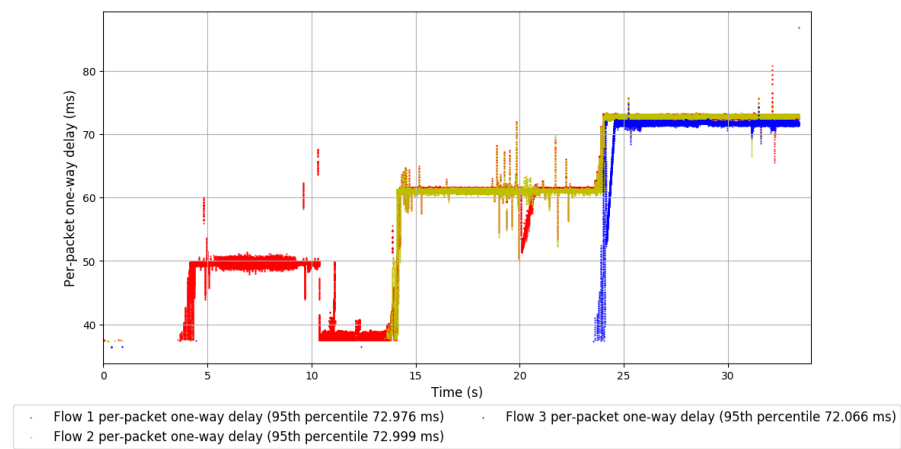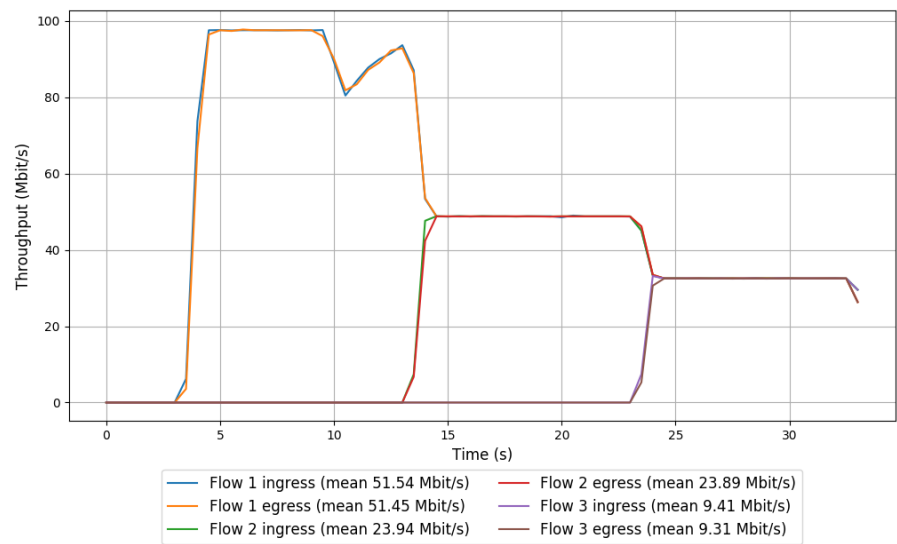
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 43.03 Mbit/s)
Flow 1 egress (mean 42.98 Mbit/s)
Flow 2 ingress (mean 28.61 Mbit/s)
Flow 2 egress (mean 28.53 Mbit/s)
Flow 3 ingress (mean 6.98 Mbit/s)
Flow 3 egress (mean 6.90 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 84.532 ms)
Flow 2 per-packet one-way delay (95th percentile 61.843 ms)
Flow 3 per-packet one-way delay (95th percentile 84.716 ms)

```
Run 9: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 15:28:58 +0000
End at: Sat, 01 Jul 2017 15:29:28 +0000
Local clock offset: 0.133 ms
Remote clock offset: -3.718 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:26 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 72.973 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 51.45 Mbit/s
95th percentile per-packet one-way delay: 72.976 ms
Loss rate: 0.44%
-- Flow 2:
Average throughput: 23.89 Mbit/s
95th percentile per-packet one-way delay: 72.999 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 72.066 ms
Loss rate: 1.28%
```
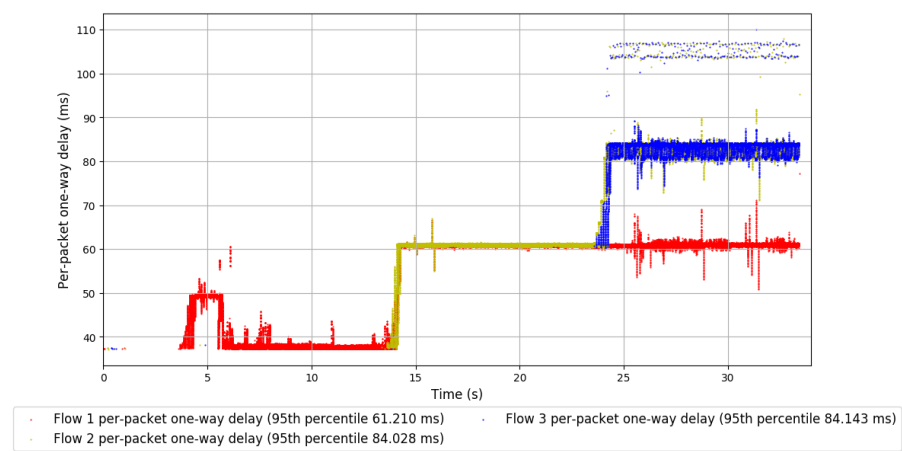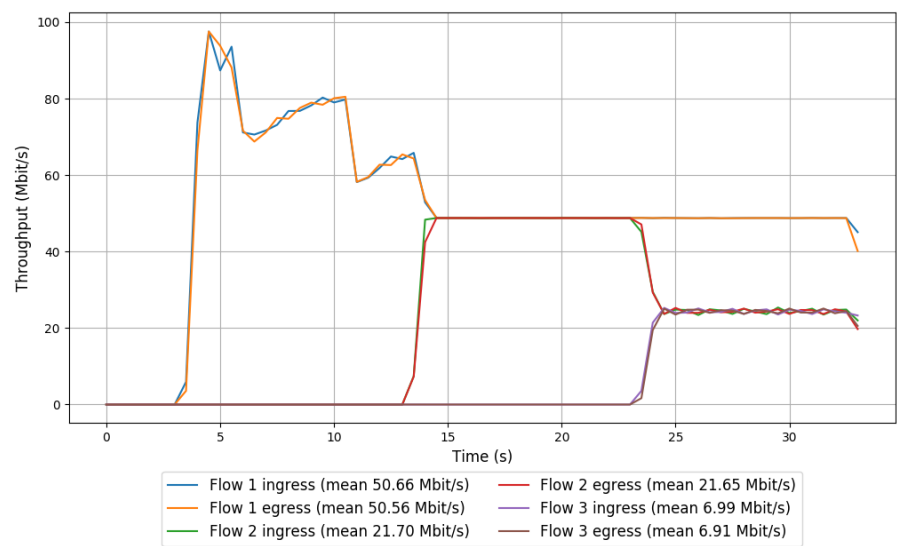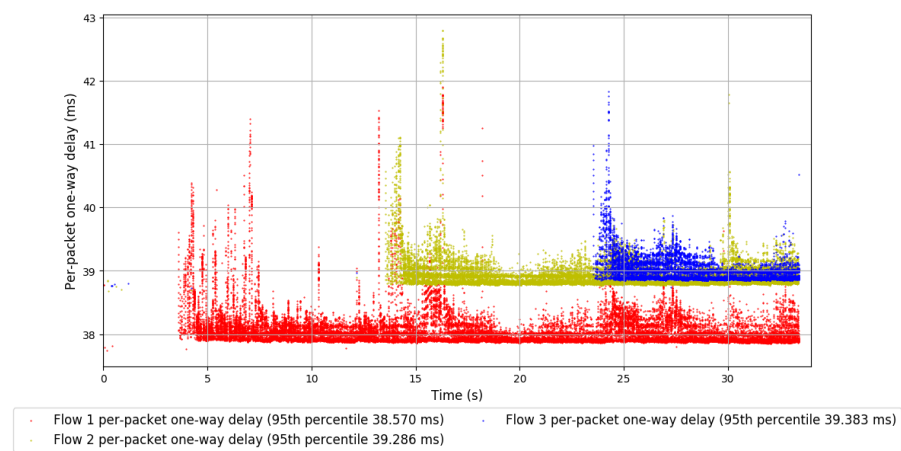
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 51.54 Mbit/s)
Flow 1 egress (mean 51.45 Mbit/s)
Flow 2 ingress (mean 23.94 Mbit/s)
Flow 2 egress (mean 23.89 Mbit/s)
Flow 3 ingress (mean 9.41 Mbit/s)
Flow 3 egress (mean 9.31 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 72.976 ms)
Flow 2 per-packet one-way delay (95th percentile 72.999 ms)
Flow 3 per-packet one-way delay (95th percentile 72.066 ms)

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```
Run 10: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 15:49:37 +0000
End at: Sat, 01 Jul 2017 15:50:07 +0000
Local clock offset: 0.293 ms
Remote clock offset: -1.17 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.93 Mbit/s
95th percentile per-packet one-way delay: 83.911 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 50.56 Mbit/s
95th percentile per-packet one-way delay: 61.210 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 21.65 Mbit/s
95th percentile per-packet one-way delay: 84.028 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 84.143 ms
Loss rate: 1.39%
```
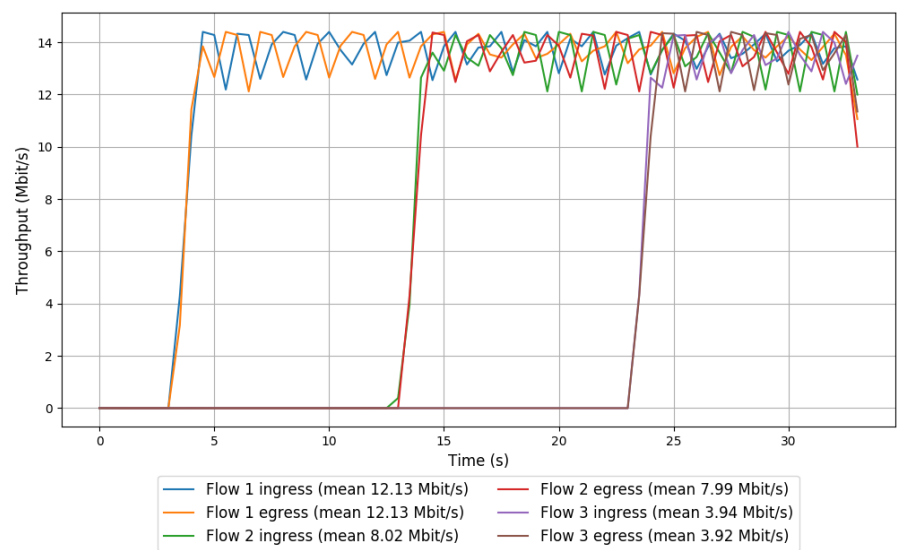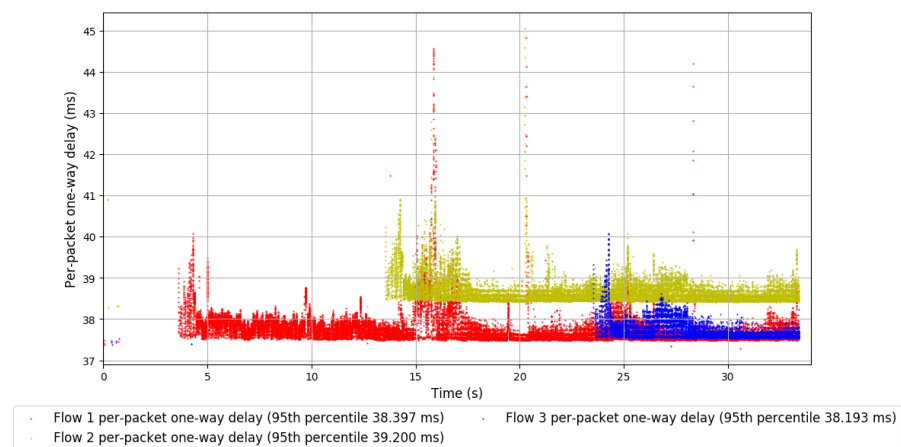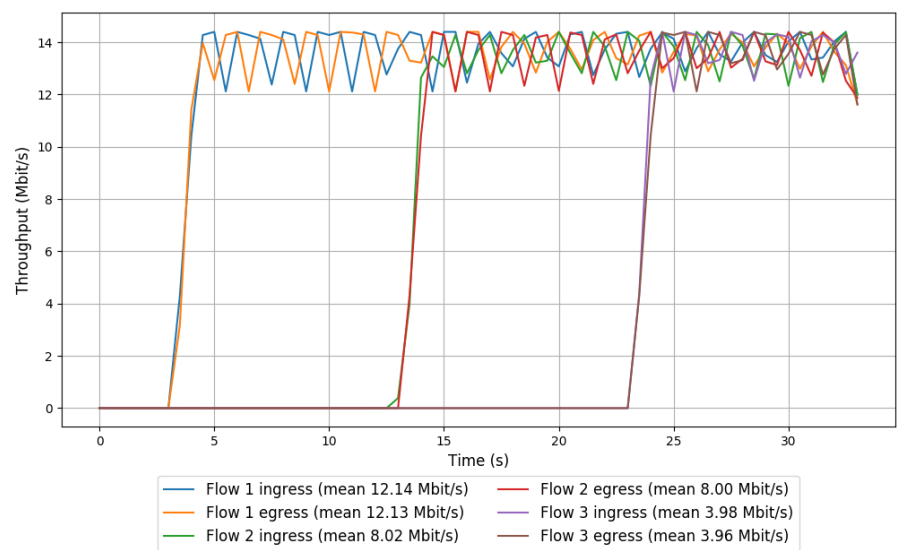
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 50.66 Mbit/s)
Flow 1 egress (mean 50.56 Mbit/s)
Flow 2 ingress (mean 21.70 Mbit/s)
Flow 2 egress (mean 21.65 Mbit/s)
Flow 3 ingress (mean 6.99 Mbit/s)
Flow 3 egress (mean 6.91 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 61.210 ms)
Flow 2 per-packet one-way delay (95th percentile 84.028 ms)
Flow 3 per-packet one-way delay (95th percentile 84.143 ms)

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```
Run 1: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 12:45:04 +0000
End at: Sat, 01 Jul 2017 12:45:34 +0000
Local clock offset: 0.731 ms
Remote clock offset: -0.224 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:30 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 39.207 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 38.570 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 39.286 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 39.383 ms
Loss rate: 0.86%
```
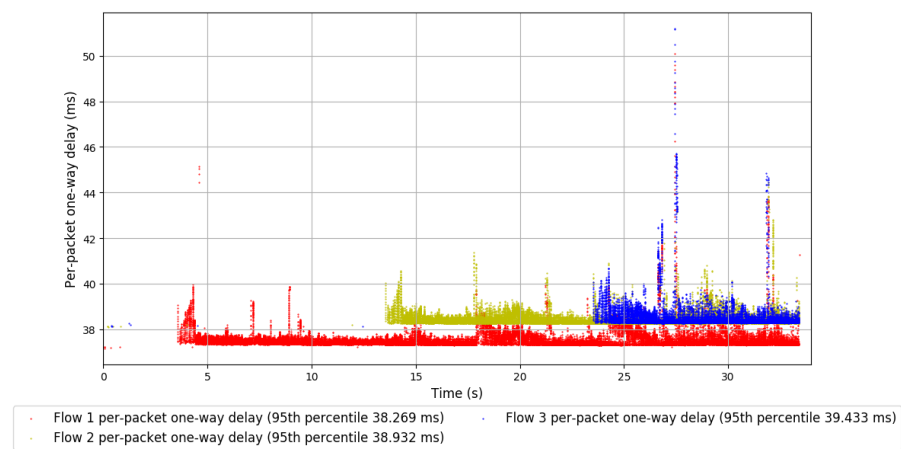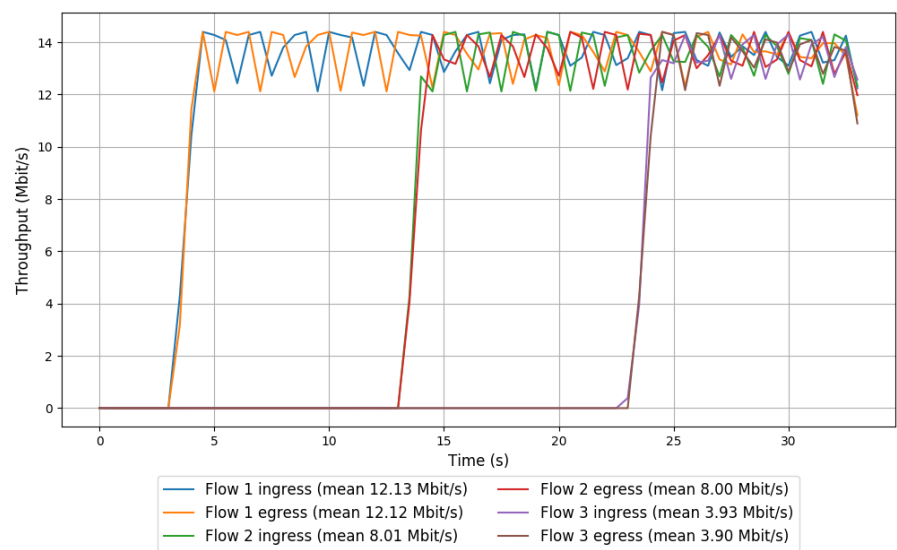
Run 1: Report of KohoCC — Data Link

Flow 1 ingress (mean 12.13 Mbit/s)   Flow 2 egress (mean 7.99 Mbit/s)
Flow 1 egress (mean 12.13 Mbit/s)   Flow 3 ingress (mean 3.94 Mbit/s)
Flow 2 ingress (mean 8.02 Mbit/s)   Flow 3 egress (mean 3.92 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 38.570 ms)   · Flow 3 per-packet one-way delay (95th percentile 39.383 ms)
· Flow 2 per-packet one-way delay (95th percentile 39.286 ms)

```
Run 2: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 13:05:49 +0000
End at: Sat, 01 Jul 2017 13:06:19 +0000
Local clock offset: 0.682 ms
Remote clock offset: 0.302 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 38.888 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 38.397 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 39.200 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 38.193 ms
Loss rate: 0.90%
```
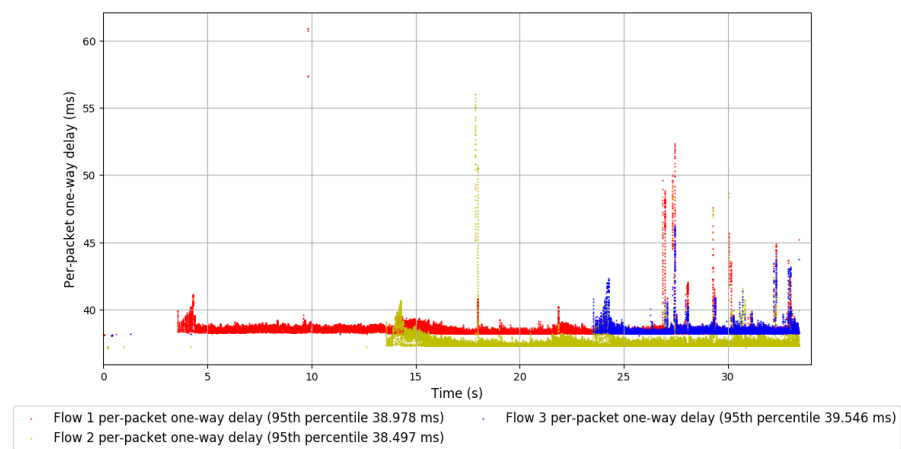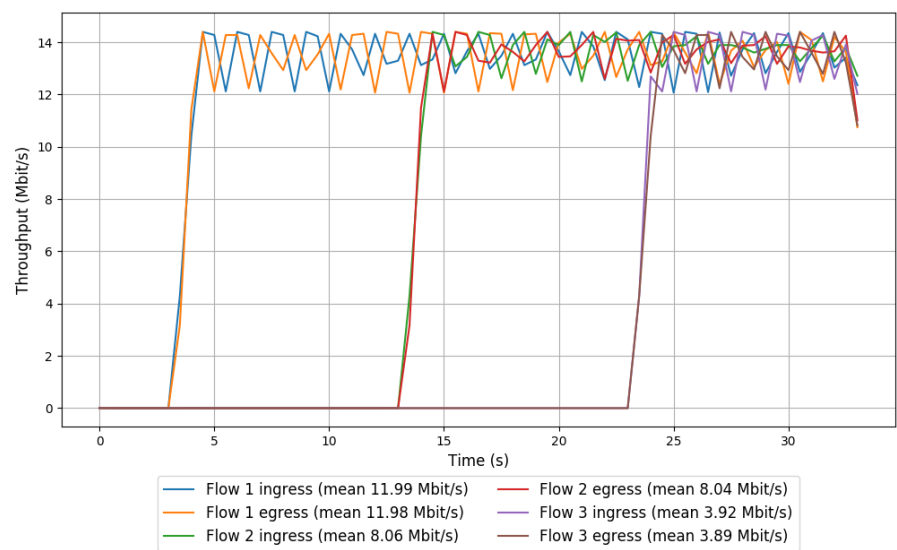
Run 2: Report of KohoCC — Data Link

Flow 1 ingress (mean 12.14 Mbit/s)
Flow 1 egress (mean 12.13 Mbit/s)
Flow 2 ingress (mean 8.02 Mbit/s)
Flow 2 egress (mean 8.00 Mbit/s)
Flow 3 ingress (mean 3.98 Mbit/s)
Flow 3 egress (mean 3.96 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 38.397 ms)
Flow 2 per-packet one-way delay (95th percentile 39.200 ms)
Flow 3 per-packet one-way delay (95th percentile 38.193 ms)

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```
Run 3: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 13:26:36 +0000
End at: Sat, 01 Jul 2017 13:27:06 +0000
Local clock offset: 0.767 ms
Remote clock offset: -2.438 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 38.878 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 38.269 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 38.932 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 39.433 ms
Loss rate: 0.92%
```
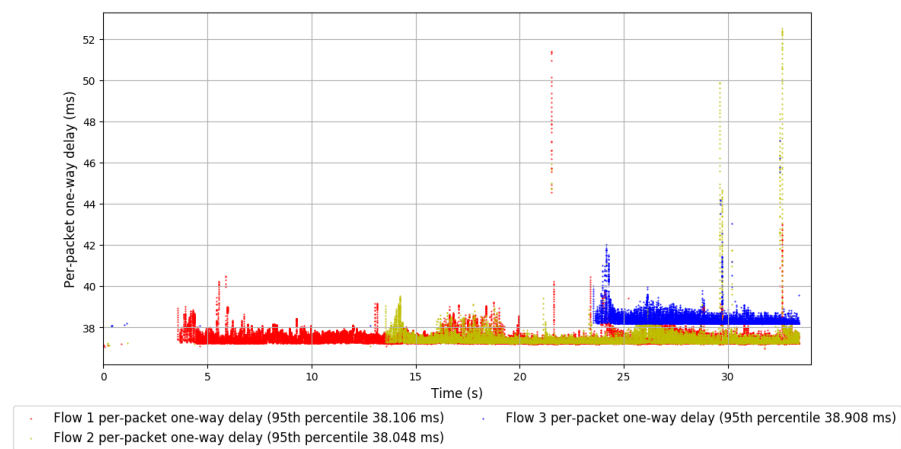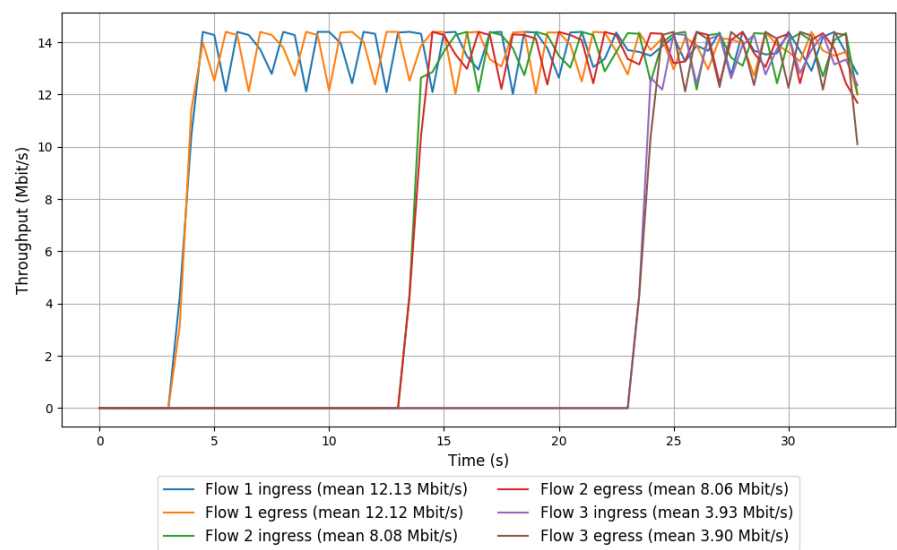
Run 3: Report of KohoCC — Data Link

Flow 1 ingress (mean 12.13 Mbit/s)
Flow 1 egress (mean 12.12 Mbit/s)
Flow 2 ingress (mean 8.01 Mbit/s)
Flow 2 egress (mean 8.00 Mbit/s)
Flow 3 ingress (mean 3.93 Mbit/s)
Flow 3 egress (mean 3.90 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 38.269 ms)
Flow 2 per-packet one-way delay (95th percentile 38.932 ms)
Flow 3 per-packet one-way delay (95th percentile 39.433 ms)

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```
Run 4: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 13:47:17 +0000
End at: Sat, 01 Jul 2017 13:47:47 +0000
Local clock offset: 0.703 ms
Remote clock offset: -2.805 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 38.968 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 38.978 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 38.497 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 39.546 ms
Loss rate: 0.92%
```
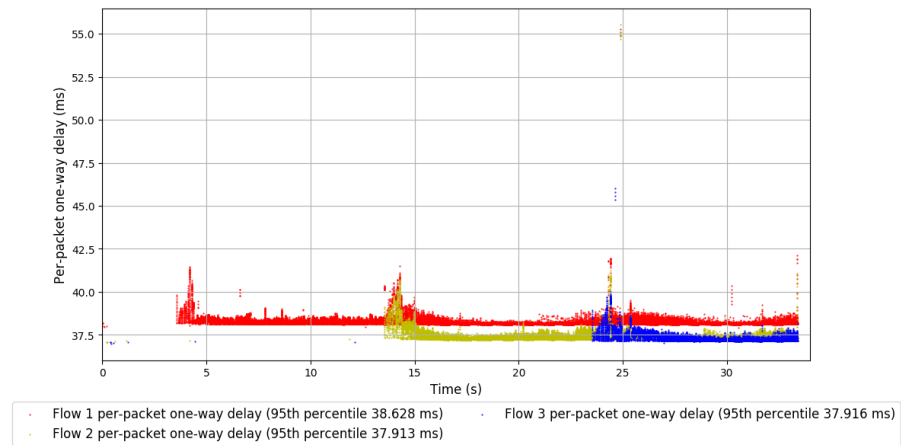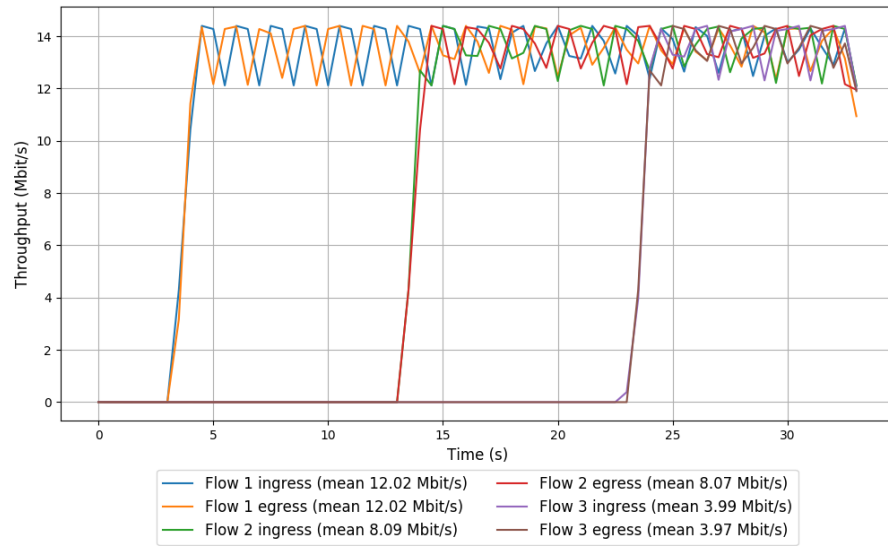
Run 4: Report of KohoCC — Data Link

Flow 1 ingress (mean 11.99 Mbit/s)
Flow 1 egress (mean 11.98 Mbit/s)
Flow 2 ingress (mean 8.06 Mbit/s)
Flow 2 egress (mean 8.04 Mbit/s)
Flow 3 ingress (mean 3.92 Mbit/s)
Flow 3 egress (mean 3.89 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 38.978 ms)
Flow 2 per-packet one-way delay (95th percentile 38.497 ms)
Flow 3 per-packet one-way delay (95th percentile 39.546 ms)

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```
Run 5: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 14:07:47 +0000
End at: Sat, 01 Jul 2017 14:08:17 +0000
Local clock offset: 0.57 ms
Remote clock offset: -0.184 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 38.525 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 38.106 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 38.048 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 38.908 ms
Loss rate: 0.91%
```
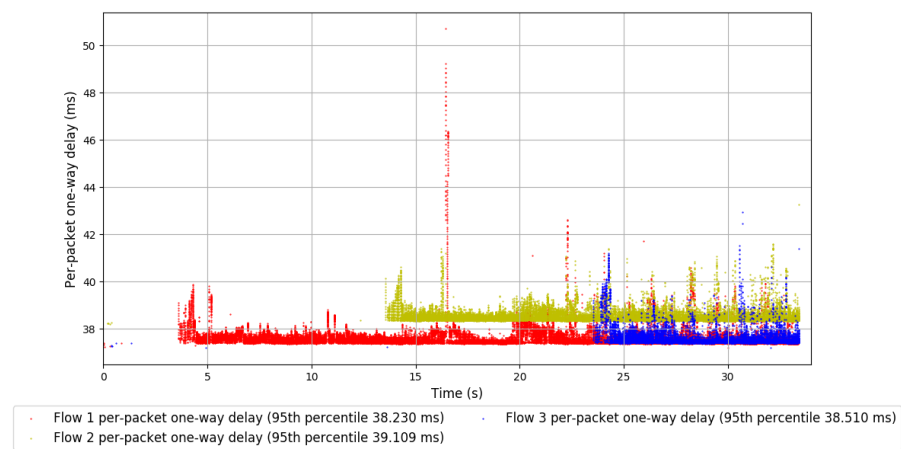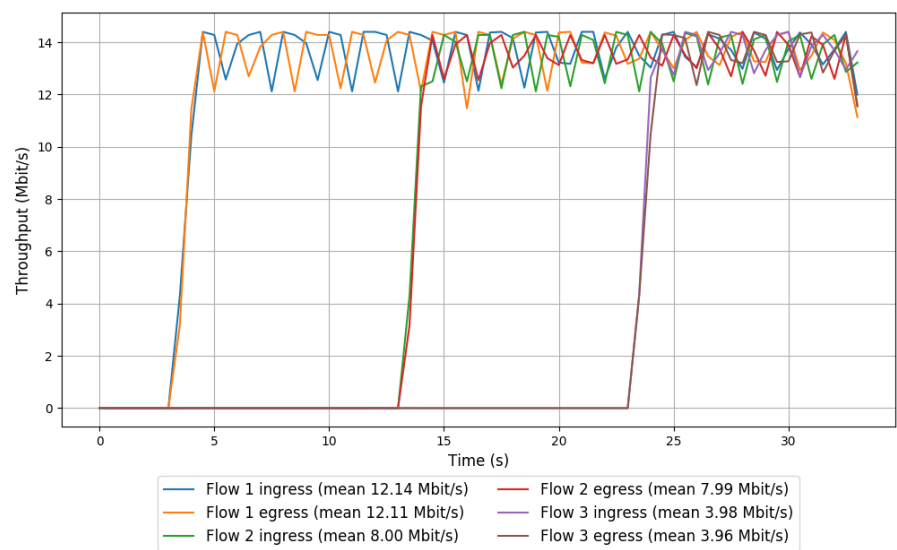
Run 5: Report of KohoCC — Data Link

- Flow 1 ingress (mean 12.13 Mbit/s)
- Flow 1 egress (mean 12.12 Mbit/s)
- Flow 2 ingress (mean 8.08 Mbit/s)
- Flow 2 egress (mean 8.06 Mbit/s)
- Flow 3 ingress (mean 3.93 Mbit/s)
- Flow 3 egress (mean 3.90 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 38.106 ms)
- Flow 2 per-packet one-way delay (95th percentile 38.048 ms)
- Flow 3 per-packet one-way delay (95th percentile 38.908 ms)

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```
Run 6: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 14:28:30 +0000
End at: Sat, 01 Jul 2017 14:29:00 +0000
Local clock offset: 0.412 ms
Remote clock offset: -1.186 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 38.521 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 38.628 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 37.913 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 37.916 ms
Loss rate: 0.90%
```
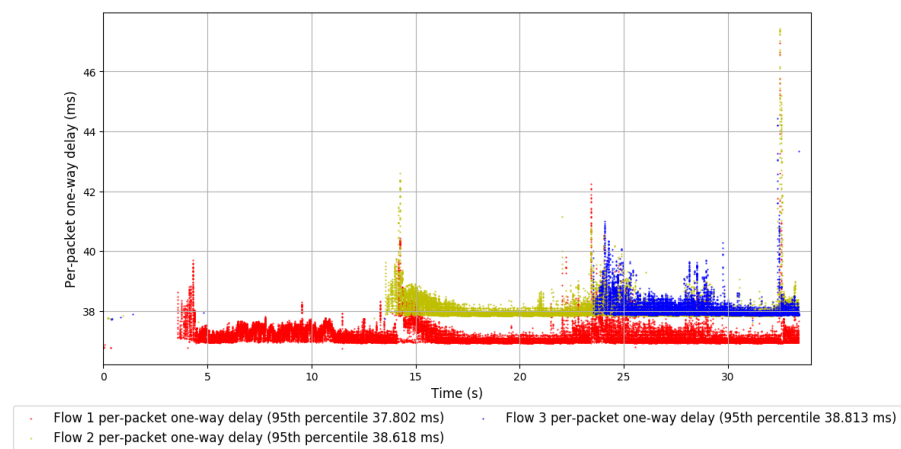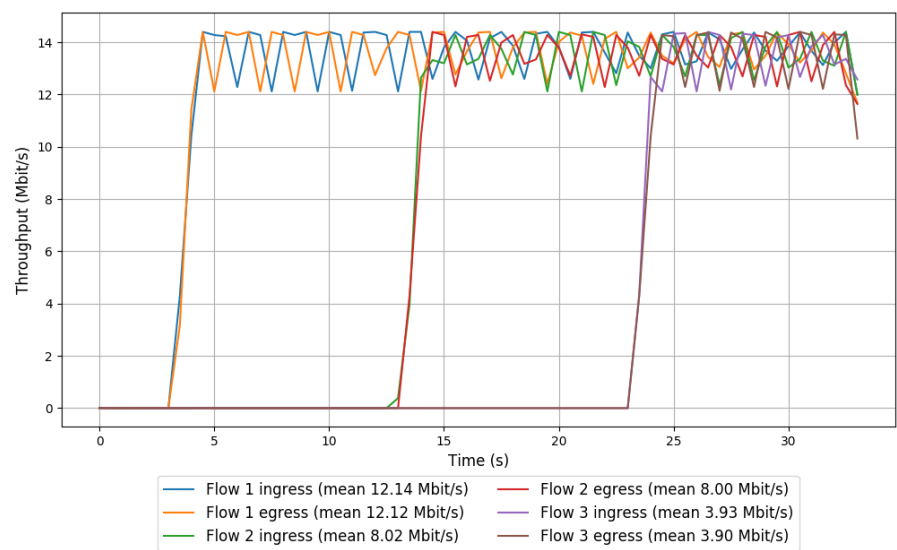
Run 6: Report of KohoCC — Data Link

Flow 1 ingress (mean 12.02 Mbit/s)
Flow 1 egress (mean 12.02 Mbit/s)
Flow 2 ingress (mean 8.09 Mbit/s)
Flow 2 egress (mean 8.07 Mbit/s)
Flow 3 ingress (mean 3.99 Mbit/s)
Flow 3 egress (mean 3.97 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 38.628 ms)
Flow 2 per-packet one-way delay (95th percentile 37.913 ms)
Flow 3 per-packet one-way delay (95th percentile 37.916 ms)

```
Run 7: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 14:49:03 +0000
End at: Sat, 01 Jul 2017 14:49:33 +0000
Local clock offset: 0.136 ms
Remote clock offset: -0.517 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 38.830 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 12.11 Mbit/s
95th percentile per-packet one-way delay: 38.230 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 39.109 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 38.510 ms
Loss rate: 0.90%
```
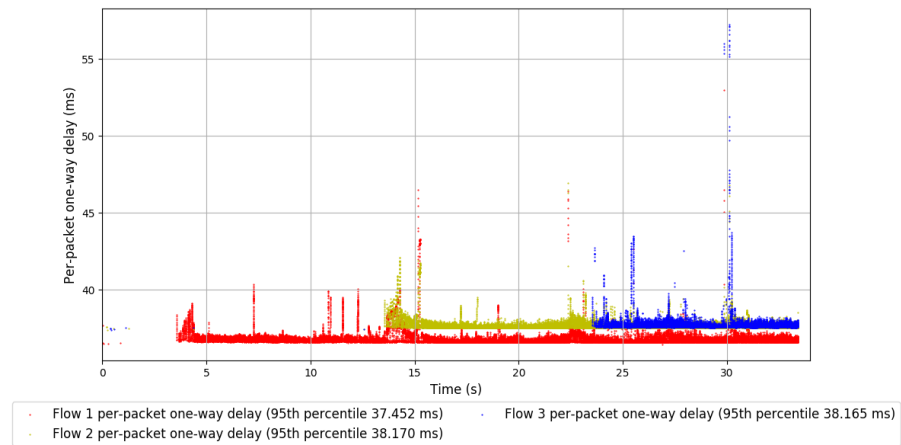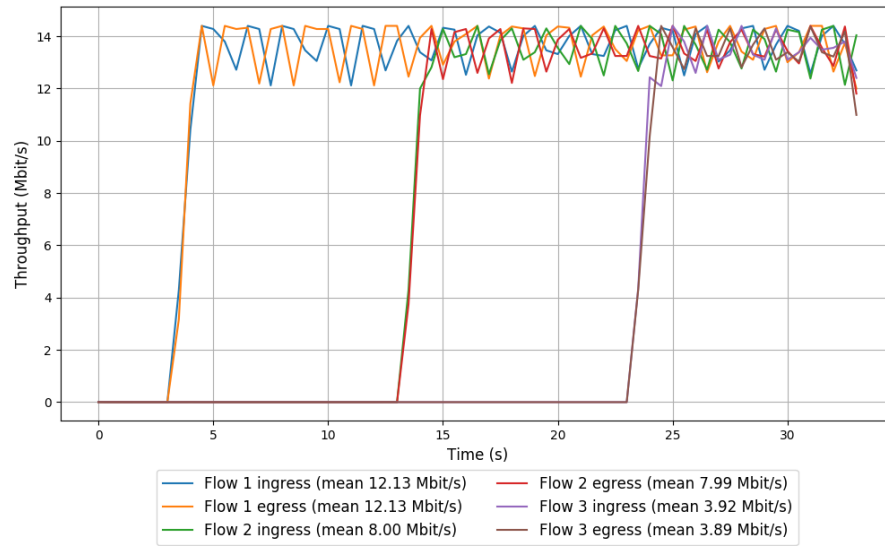
Run 7: Report of KohoCC — Data Link

- Flow 1 ingress (mean 12.14 Mbit/s)
- Flow 1 egress (mean 12.11 Mbit/s)
- Flow 2 ingress (mean 8.00 Mbit/s)
- Flow 2 egress (mean 7.99 Mbit/s)
- Flow 3 ingress (mean 3.98 Mbit/s)
- Flow 3 egress (mean 3.96 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 38.230 ms)
- Flow 2 per-packet one-way delay (95th percentile 39.109 ms)
- Flow 3 per-packet one-way delay (95th percentile 38.510 ms)

```
Run 8: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 15:09:41 +0000
End at: Sat, 01 Jul 2017 15:10:11 +0000
Local clock offset: 0.104 ms
Remote clock offset: -3.365 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:45 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 38.467 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 12.12 Mbit/s
95th percentile per-packet one-way delay: 37.802 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 38.618 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 3.90 Mbit/s
95th percentile per-packet one-way delay: 38.813 ms
Loss rate: 0.91%
```
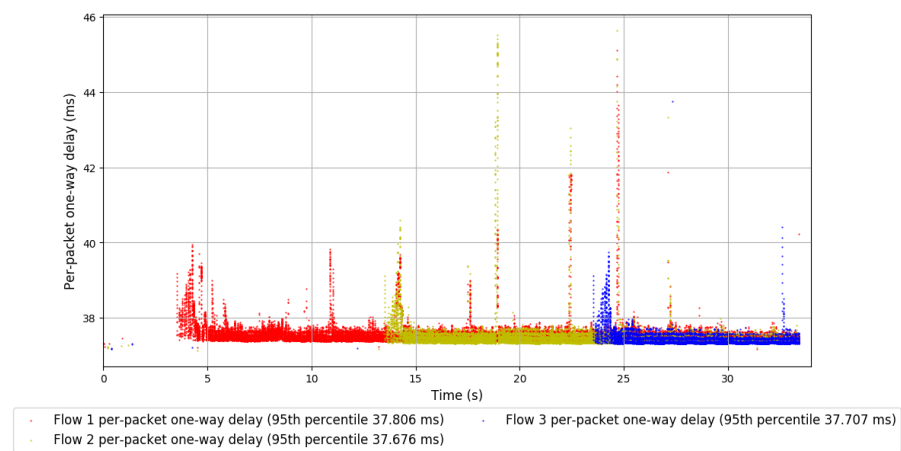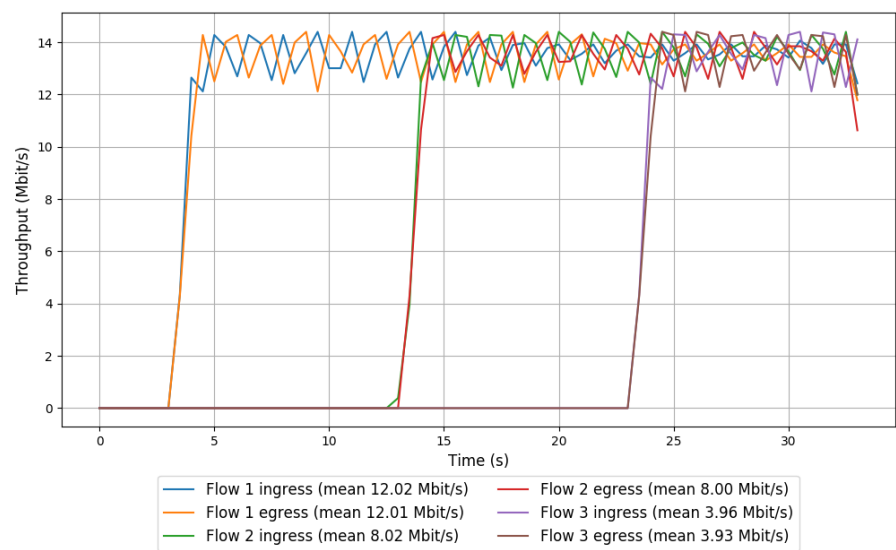
Run 8: Report of KohoCC — Data Link

Flow 1 ingress (mean 12.14 Mbit/s)   Flow 2 egress (mean 8.00 Mbit/s)
Flow 1 egress (mean 12.12 Mbit/s)   Flow 3 ingress (mean 3.93 Mbit/s)
Flow 2 ingress (mean 8.02 Mbit/s)   Flow 3 egress (mean 3.90 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 37.802 ms)   Flow 3 per-packet one-way delay (95th percentile 38.813 ms)
Flow 2 per-packet one-way delay (95th percentile 38.618 ms)

```
Run 9: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 15:30:22 +0000
End at: Sat, 01 Jul 2017 15:30:52 +0000
Local clock offset: 0.231 ms
Remote clock offset: -1.566 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:47 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.91 Mbit/s
95th percentile per-packet one-way delay: 38.031 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 37.452 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 38.170 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 38.165 ms
Loss rate: 0.95%
```
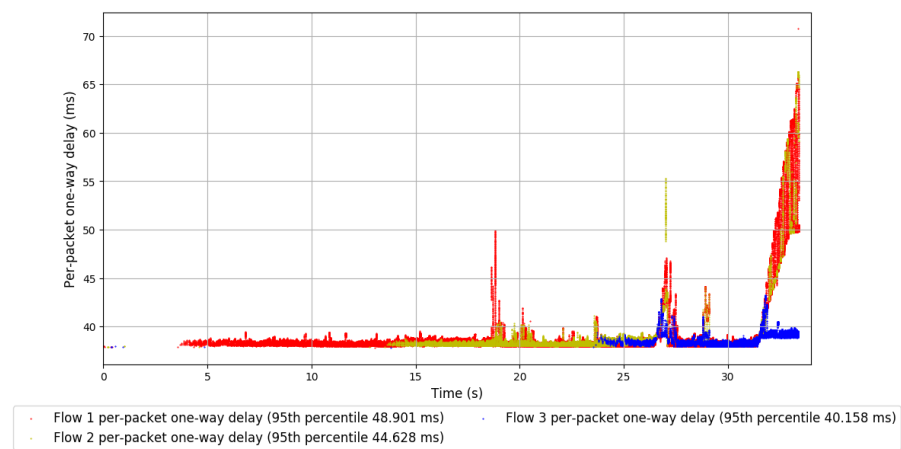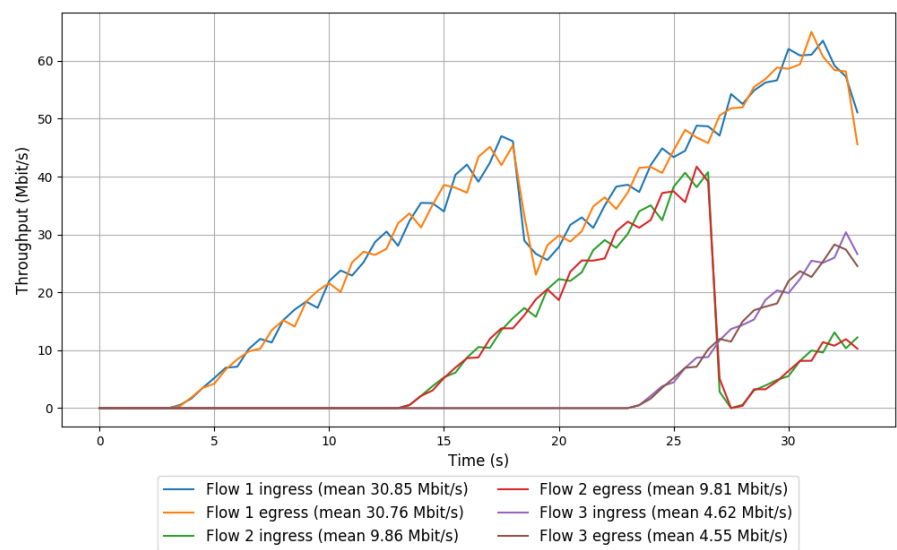
Run 9: Report of KohoCC — Data Link

Flow 1 ingress (mean 12.13 Mbit/s)
Flow 1 egress (mean 12.13 Mbit/s)
Flow 2 ingress (mean 8.00 Mbit/s)
Flow 2 egress (mean 7.99 Mbit/s)
Flow 3 ingress (mean 3.92 Mbit/s)
Flow 3 egress (mean 3.89 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 37.452 ms)
Flow 2 per-packet one-way delay (95th percentile 38.170 ms)
Flow 3 per-packet one-way delay (95th percentile 38.165 ms)

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```
Run 10: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 15:51:01 +0000
End at: Sat, 01 Jul 2017 15:51:31 +0000
Local clock offset: 0.301 ms
Remote clock offset: -2.191 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 37.753 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 12.01 Mbit/s
95th percentile per-packet one-way delay: 37.806 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 37.676 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 37.707 ms
Loss rate: 0.92%
```
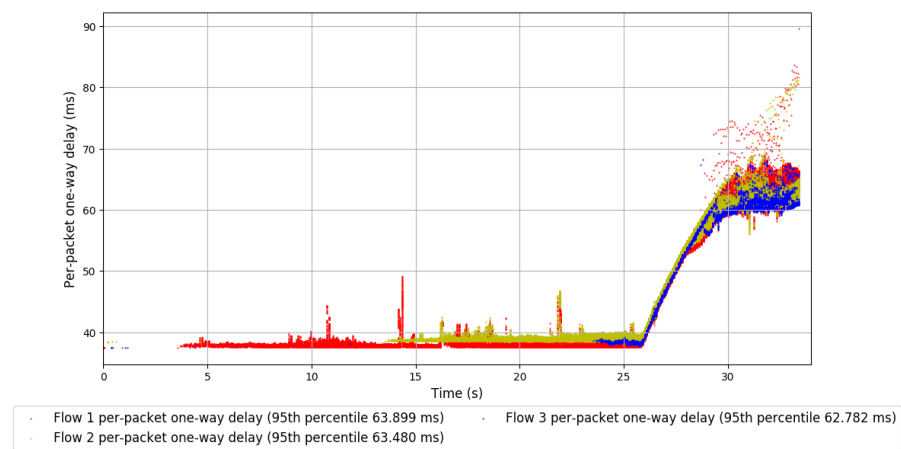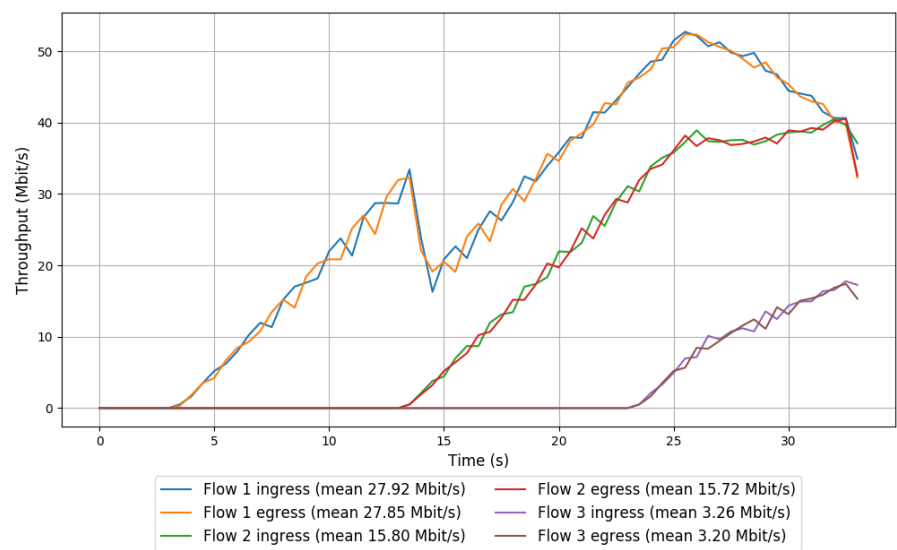
Run 10: Report of KohoCC — Data Link

Flow 1 ingress (mean 12.02 Mbit/s)
Flow 1 egress (mean 12.01 Mbit/s)
Flow 2 ingress (mean 8.02 Mbit/s)
Flow 2 egress (mean 8.00 Mbit/s)
Flow 3 ingress (mean 3.96 Mbit/s)
Flow 3 egress (mean 3.93 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 37.806 ms)
Flow 2 per-packet one-way delay (95th percentile 37.676 ms)
Flow 3 per-packet one-way delay (95th percentile 37.707 ms)

```
Run 1: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 12:38:10 +0000
End at: Sat, 01 Jul 2017 12:38:40 +0000
Local clock offset: 0.695 ms
Remote clock offset: -1.806 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.00 Mbit/s
95th percentile per-packet one-way delay: 46.971 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 48.901 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 44.628 ms
Loss rate: 0.77%
-- Flow 3:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 40.158 ms
Loss rate: 1.77%
```
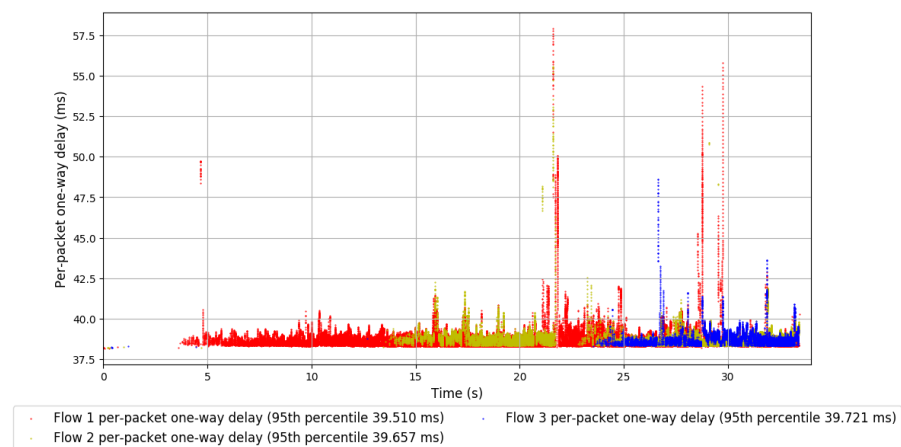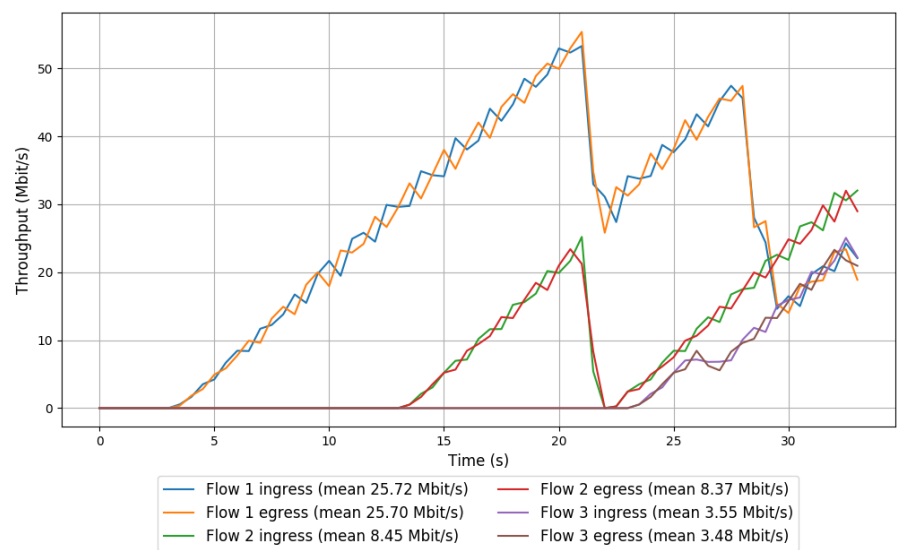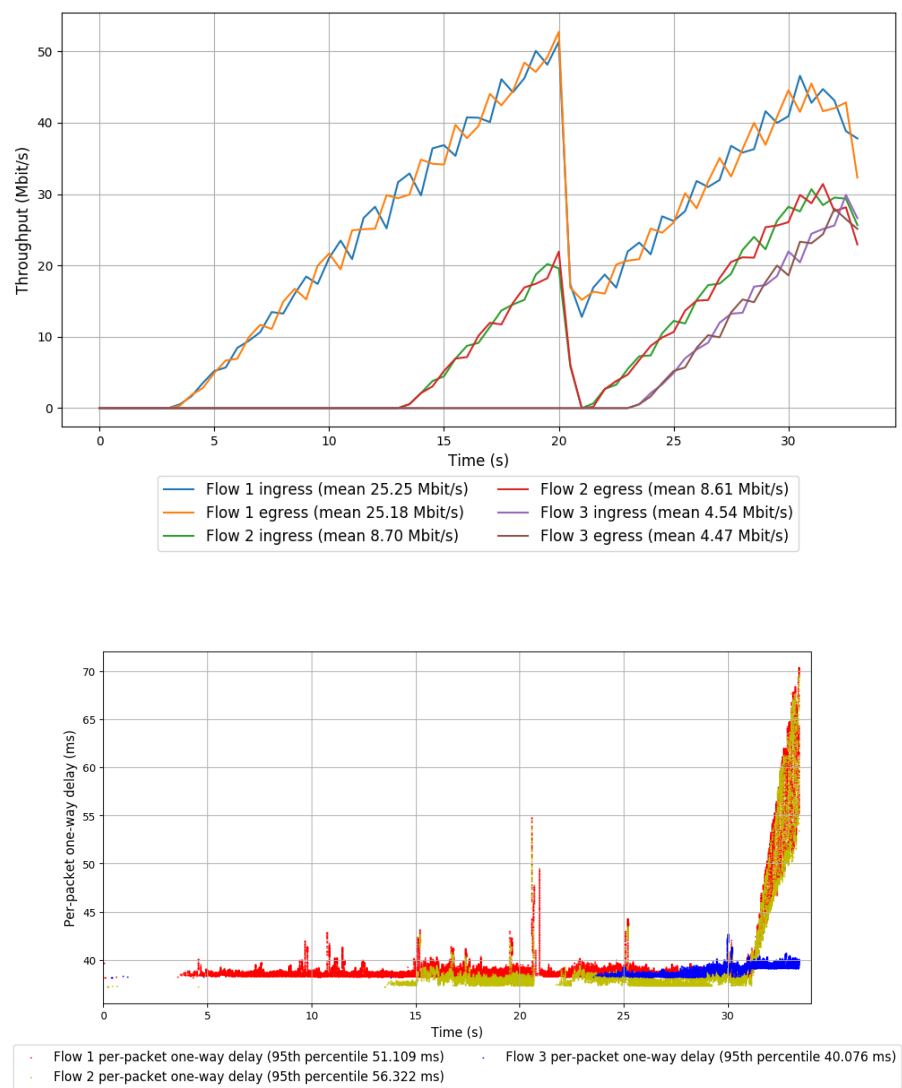
Run 1: Report of LEDBAT — Data Link

- Flow 1 ingress (mean 30.85 Mbit/s)
- Flow 1 egress (mean 30.76 Mbit/s)
- Flow 2 ingress (mean 9.86 Mbit/s)
- Flow 2 egress (mean 9.81 Mbit/s)
- Flow 3 ingress (mean 4.62 Mbit/s)
- Flow 3 egress (mean 4.55 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 48.901 ms)
- Flow 2 per-packet one-way delay (95th percentile 44.628 ms)
- Flow 3 per-packet one-way delay (95th percentile 40.158 ms)

```
Run 2: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 12:58:54 +0000
End at: Sat, 01 Jul 2017 12:59:24 +0000
Local clock offset: 0.817 ms
Remote clock offset: -2.082 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:03:58 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 63.659 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 27.85 Mbit/s
95th percentile per-packet one-way delay: 63.899 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 63.480 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 3.20 Mbit/s
95th percentile per-packet one-way delay: 62.782 ms
Loss rate: 1.90%
```
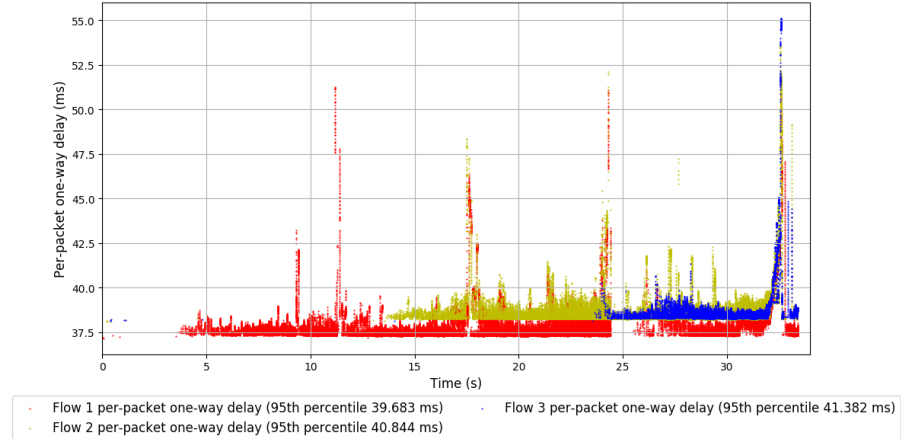
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 13:19:42 +0000
End at: Sat, 01 Jul 2017 13:20:12 +0000
Local clock offset: 0.797 ms
Remote clock offset: -0.188 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:04:01 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.46 Mbit/s
95th percentile per-packet one-way delay: 39.570 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 25.70 Mbit/s
95th percentile per-packet one-way delay: 39.510 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 39.657 ms
Loss rate: 1.24%
-- Flow 3:
Average throughput: 3.48 Mbit/s
95th percentile per-packet one-way delay: 39.721 ms
Loss rate: 2.18%
```
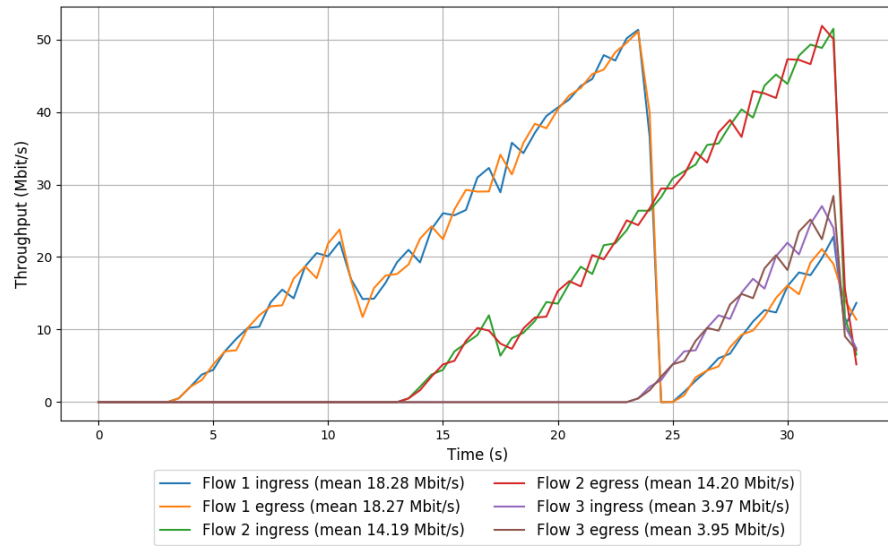
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 25.72 Mbit/s)   Flow 2 egress (mean 8.37 Mbit/s)
Flow 1 egress (mean 25.70 Mbit/s)   Flow 3 ingress (mean 3.55 Mbit/s)
Flow 2 ingress (mean 8.45 Mbit/s)   Flow 3 egress (mean 3.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 39.510 ms)   Flow 3 per-packet one-way delay (95th percentile 39.721 ms)
Flow 2 per-packet one-way delay (95th percentile 39.657 ms)

```
Run 4: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 13:40:24 +0000
End at: Sat, 01 Jul 2017 13:40:54 +0000
Local clock offset: 0.744 ms
Remote clock offset: -2.352 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:04:04 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 38.17 Mbit/s
95th percentile per-packet one-way delay: 51.649 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 25.18 Mbit/s
95th percentile per-packet one-way delay: 51.109 ms
Loss rate: 0.54%
-- Flow 2:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 56.322 ms
Loss rate: 1.20%
-- Flow 3:
Average throughput: 4.47 Mbit/s
95th percentile per-packet one-way delay: 40.076 ms
Loss rate: 1.79%
```
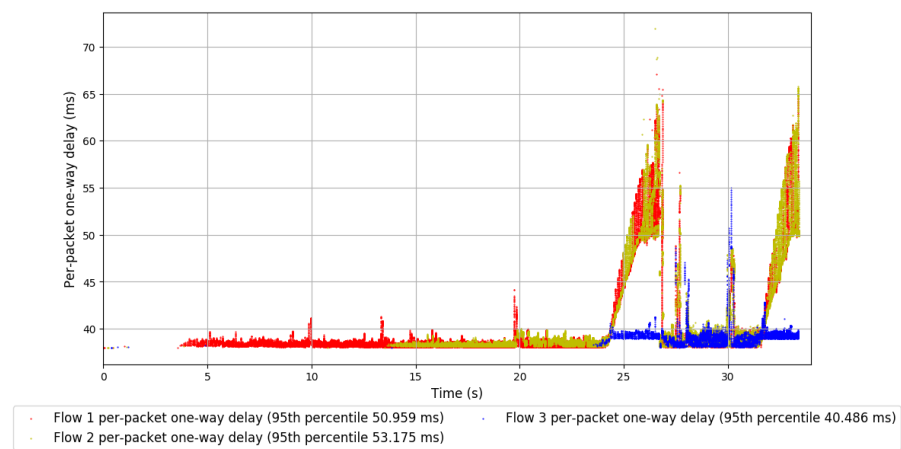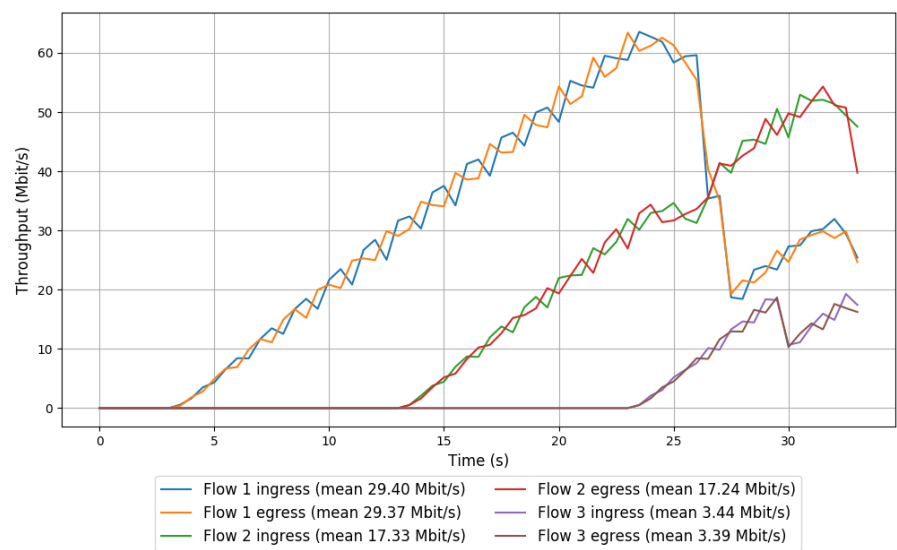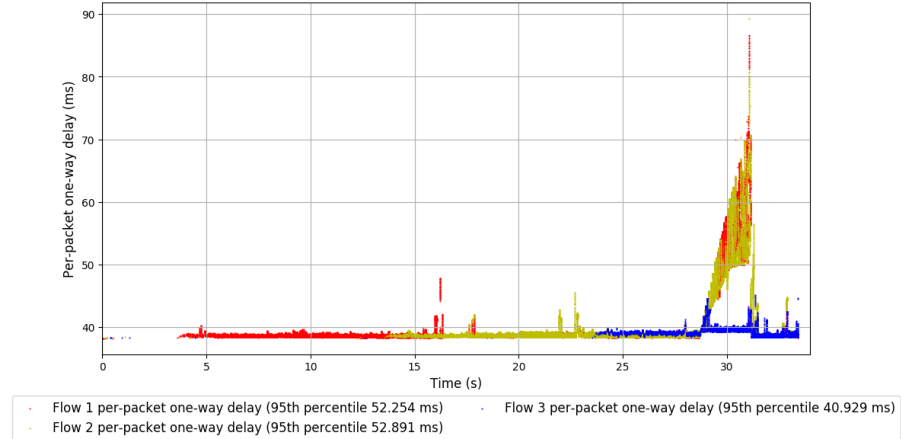
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 25.25 Mbit/s)
Flow 1 egress (mean 25.18 Mbit/s)
Flow 2 ingress (mean 8.70 Mbit/s)
Flow 2 egress (mean 8.61 Mbit/s)
Flow 3 ingress (mean 4.54 Mbit/s)
Flow 3 egress (mean 4.47 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 51.109 ms)
Flow 2 per-packet one-way delay (95th percentile 56.322 ms)
Flow 3 per-packet one-way delay (95th percentile 40.076 ms)

```
Run 5: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 14:00:54 +0000
End at: Sat, 01 Jul 2017 14:01:24 +0000
Local clock offset: 0.526 ms
Remote clock offset: -2.648 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:04:07 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.29 Mbit/s
95th percentile per-packet one-way delay: 40.411 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 18.27 Mbit/s
95th percentile per-packet one-way delay: 39.683 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 40.844 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 41.382 ms
Loss rate: 0.72%
```
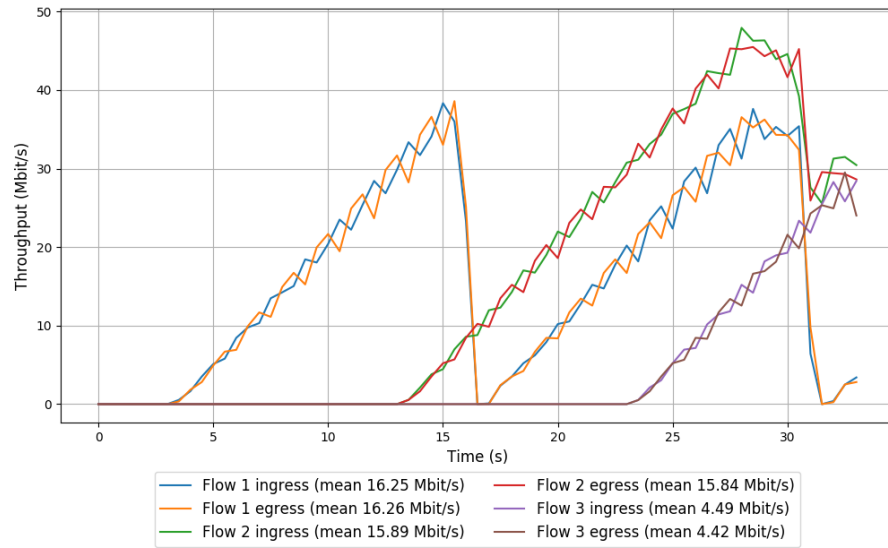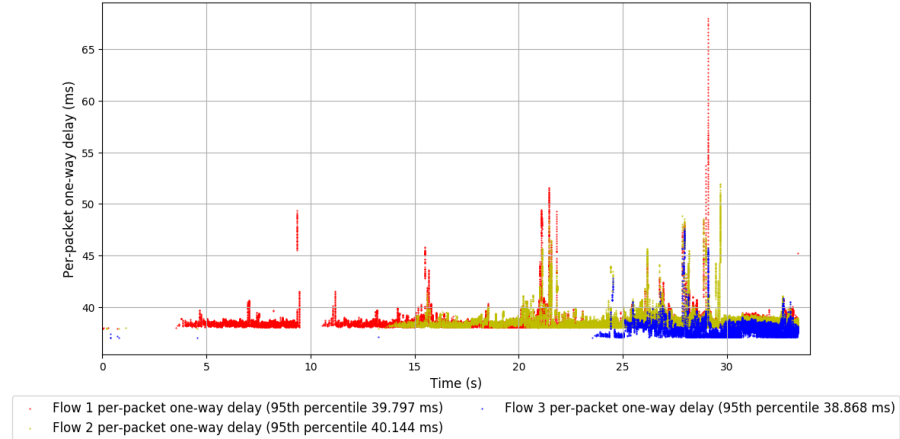
Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 18.28 Mbit/s)
Flow 1 egress (mean 18.27 Mbit/s)
Flow 2 ingress (mean 14.19 Mbit/s)
Flow 2 egress (mean 14.20 Mbit/s)
Flow 3 ingress (mean 3.97 Mbit/s)
Flow 3 egress (mean 3.95 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 39.683 ms)
Flow 2 per-packet one-way delay (95th percentile 40.844 ms)
Flow 3 per-packet one-way delay (95th percentile 41.382 ms)

```
Run 6: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 14:21:35 +0000
End at: Sat, 01 Jul 2017 14:22:05 +0000
Local clock offset: 0.465 ms
Remote clock offset: -0.671 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:04:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 51.411 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 29.37 Mbit/s
95th percentile per-packet one-way delay: 50.959 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 17.24 Mbit/s
95th percentile per-packet one-way delay: 53.175 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 40.486 ms
Loss rate: 1.67%
```
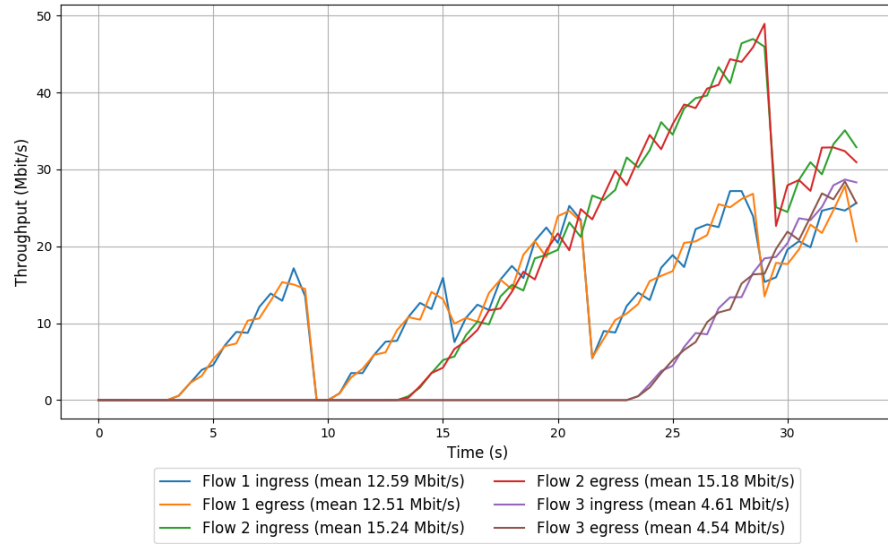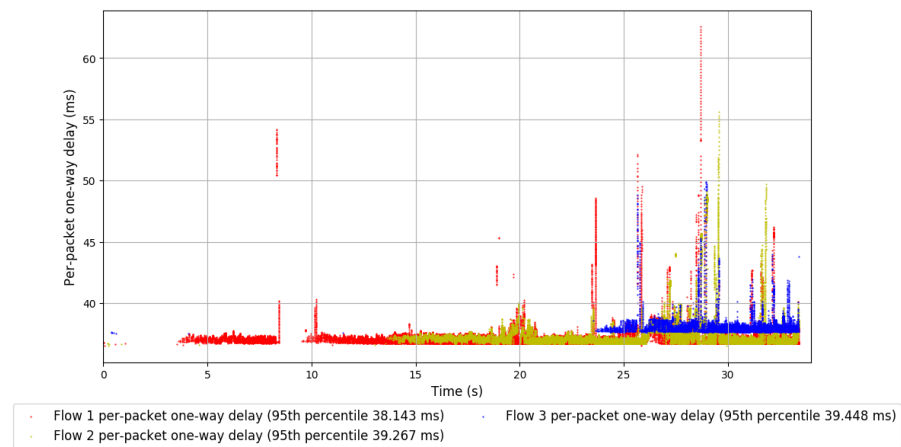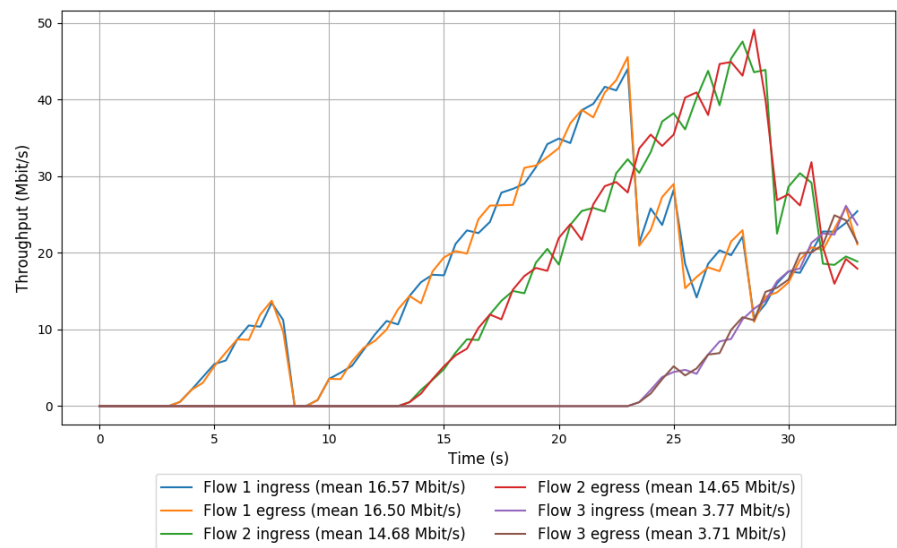
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 29.40 Mbit/s)
Flow 1 egress (mean 29.37 Mbit/s)
Flow 2 ingress (mean 17.33 Mbit/s)
Flow 2 egress (mean 17.24 Mbit/s)
Flow 3 ingress (mean 3.44 Mbit/s)
Flow 3 egress (mean 3.39 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 50.959 ms)
Flow 2 per-packet one-way delay (95th percentile 53.175 ms)
Flow 3 per-packet one-way delay (95th percentile 40.486 ms)

```
Run 7: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 14:42:12 +0000
End at: Sat, 01 Jul 2017 14:42:42 +0000
Local clock offset: 0.204 ms
Remote clock offset: -0.597 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:04:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 51.795 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 52.254 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 52.891 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 4.42 Mbit/s
95th percentile per-packet one-way delay: 40.929 ms
Loss rate: 1.78%
```

Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 15:02:49 +0000
End at: Sat, 01 Jul 2017 15:03:19 +0000
Local clock offset: 0.156 ms
Remote clock offset: -1.478 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:04:18 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 39.843 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 12.51 Mbit/s
95th percentile per-packet one-way delay: 39.797 ms
Loss rate: 0.87%
-- Flow 2:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 40.144 ms
Loss rate: 0.65%
-- Flow 3:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 38.868 ms
Loss rate: 1.78%
```
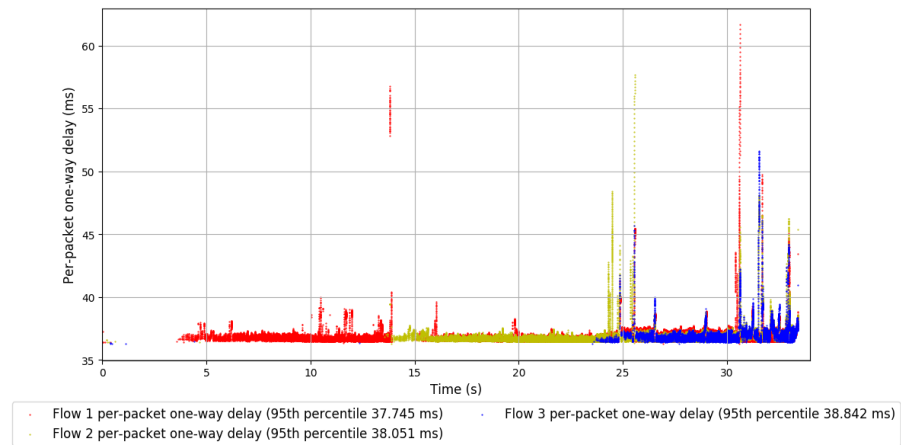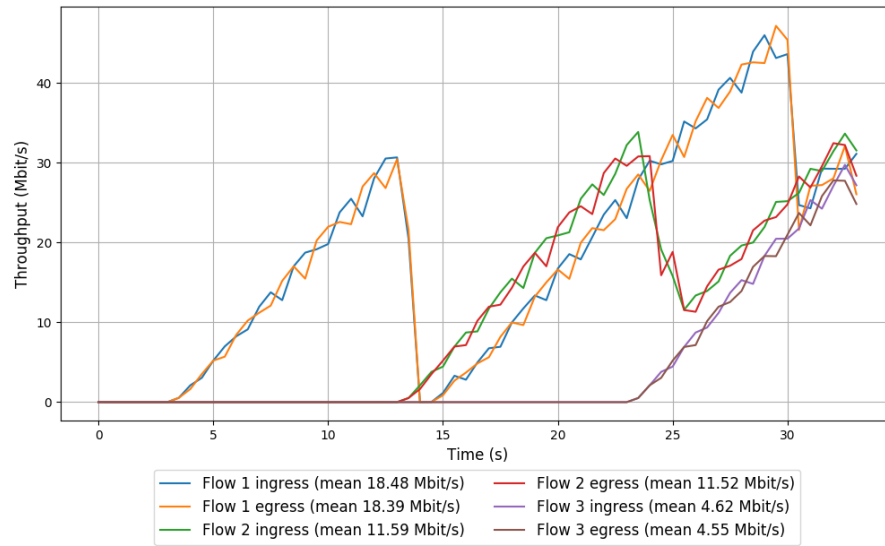
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 12.59 Mbit/s)
Flow 1 egress (mean 12.51 Mbit/s)
Flow 2 ingress (mean 15.24 Mbit/s)
Flow 2 egress (mean 15.18 Mbit/s)
Flow 3 ingress (mean 4.61 Mbit/s)
Flow 3 egress (mean 4.54 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 39.797 ms)
Flow 2 per-packet one-way delay (95th percentile 40.144 ms)
Flow 3 per-packet one-way delay (95th percentile 38.868 ms)

```
Run 9: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 15:23:30 +0000
End at: Sat, 01 Jul 2017 15:24:00 +0000
Local clock offset: 0.257 ms
Remote clock offset: -3.556 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:04:20 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.73 Mbit/s
95th percentile per-packet one-way delay: 38.717 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 16.50 Mbit/s
95th percentile per-packet one-way delay: 38.143 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 14.65 Mbit/s
95th percentile per-packet one-way delay: 39.267 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 3.71 Mbit/s
95th percentile per-packet one-way delay: 39.448 ms
Loss rate: 1.93%
```
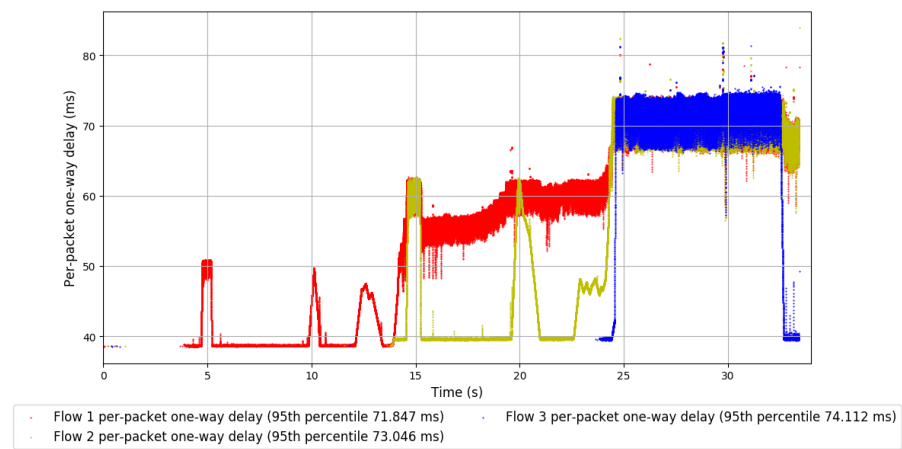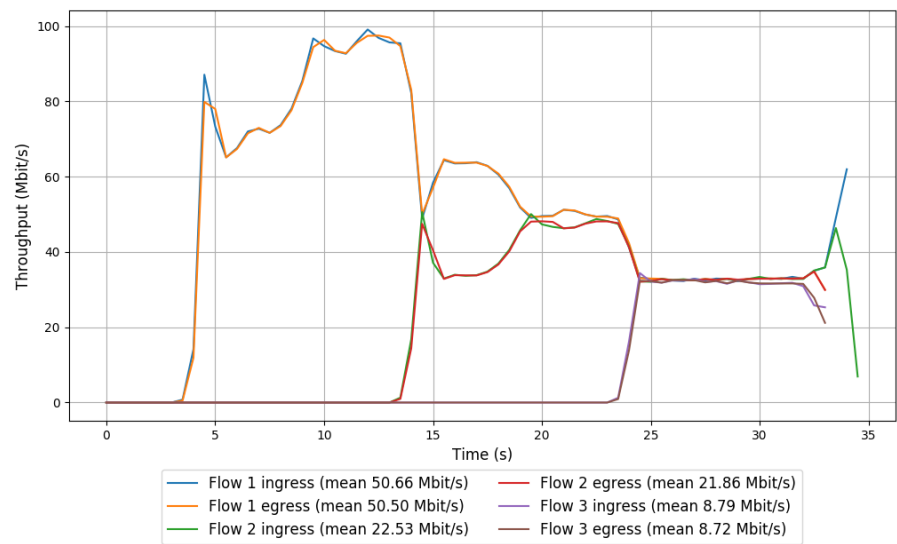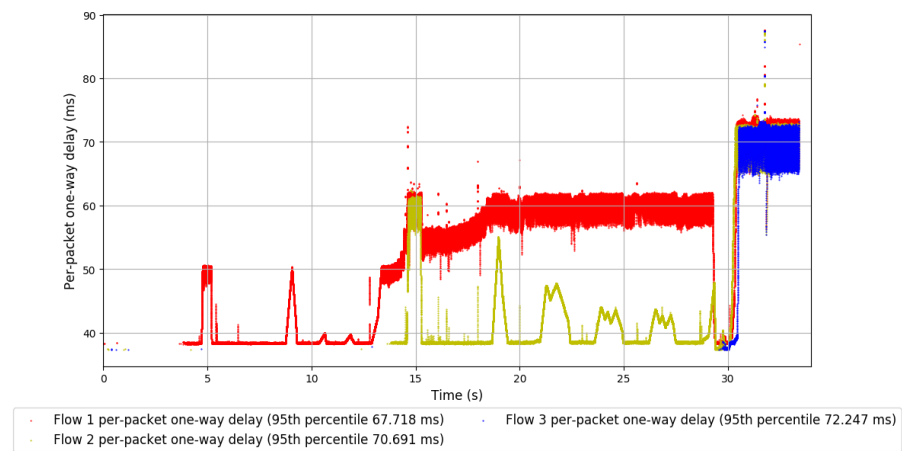
Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 16.57 Mbit/s)
Flow 1 egress (mean 16.50 Mbit/s)
Flow 2 ingress (mean 14.68 Mbit/s)
Flow 2 egress (mean 14.65 Mbit/s)
Flow 3 ingress (mean 3.77 Mbit/s)
Flow 3 egress (mean 3.71 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 38.143 ms)
Flow 2 per-packet one-way delay (95th percentile 39.267 ms)
Flow 3 per-packet one-way delay (95th percentile 39.448 ms)

Run 10: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 15:44:10 +0000
End at: Sat, 01 Jul 2017 15:44:40 +0000
Local clock offset: 0.188 ms
Remote clock offset: -4.205 ms

Below is generated by plot.py at Sat, 01 Jul 2017 17:04:23 +0000
Datalink statistics
-- Total of 3 flows:
Average throughput: 34.34 Mbit/s
95th percentile per-packet one-way delay: 38.089 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 18.39 Mbit/s
95th percentile per-packet one-way delay: 37.745 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 11.52 Mbit/s
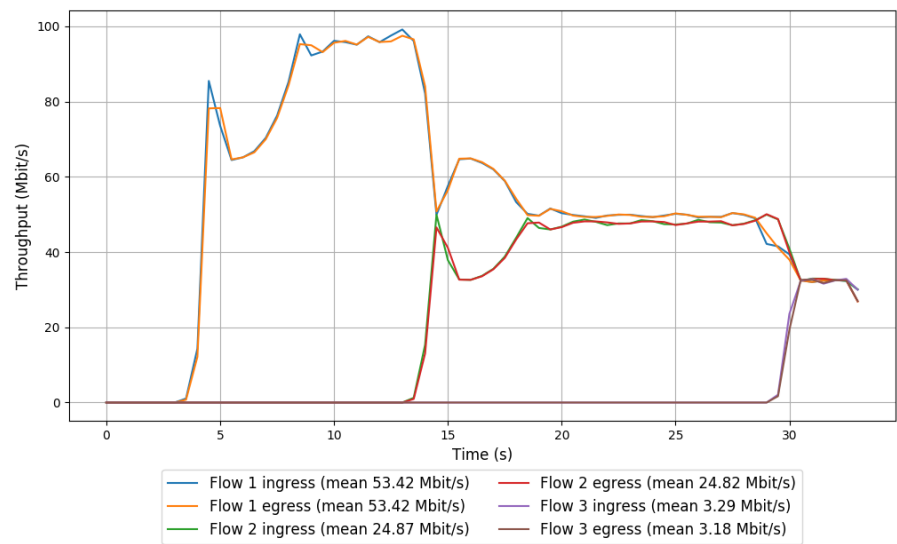95th percentile per-packet one-way delay: 38.051 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 38.842 ms
Loss rate: 1.77%

Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: Sat, 01 Jul 2017 12:50:33 +0000
End at: Sat, 01 Jul 2017 12:51:03 +0000
Local clock offset: 0.671 ms
Remote clock offset: 0.118 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:04:30 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.86 Mbit/s
95th percentile per-packet one-way delay: 73.041 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 50.50 Mbit/s
95th percentile per-packet one-way delay: 71.847 ms
Loss rate: 3.49%
-- Flow 2:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 73.046 ms
Loss rate: 6.40%
-- Flow 3:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 74.112 ms
Loss rate: 1.04%
```
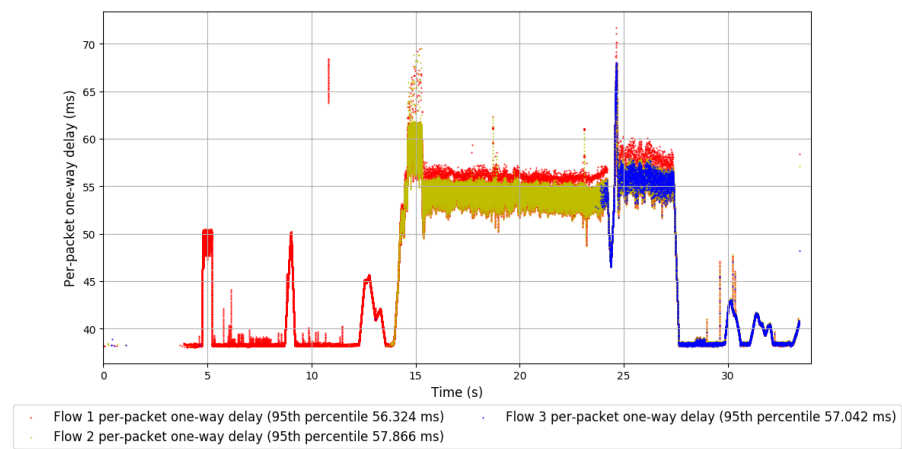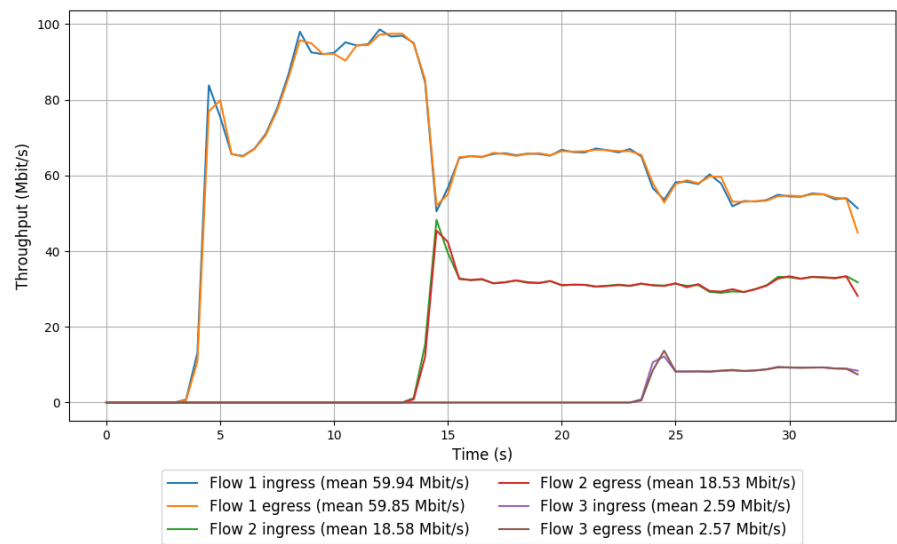
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 50.66 Mbit/s)
Flow 1 egress (mean 50.50 Mbit/s)
Flow 2 ingress (mean 22.53 Mbit/s)
Flow 2 egress (mean 21.86 Mbit/s)
Flow 3 ingress (mean 8.79 Mbit/s)
Flow 3 egress (mean 8.72 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 71.847 ms)
Flow 2 per-packet one-way delay (95th percentile 73.046 ms)
Flow 3 per-packet one-way delay (95th percentile 74.112 ms)

125

```
Run 2: Statistics of PCC

Start at: Sat, 01 Jul 2017 13:11:18 +0000
End at: Sat, 01 Jul 2017 13:11:48 +0000
Local clock offset: 0.787 ms
Remote clock offset: -2.282 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:04:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.24 Mbit/s
95th percentile per-packet one-way delay: 70.497 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 67.718 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 24.82 Mbit/s
95th percentile per-packet one-way delay: 70.691 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 72.247 ms
Loss rate: 3.55%
```
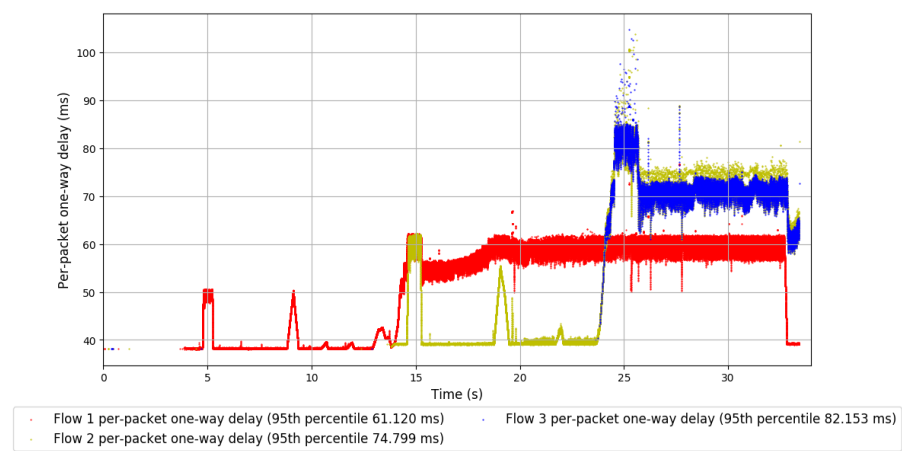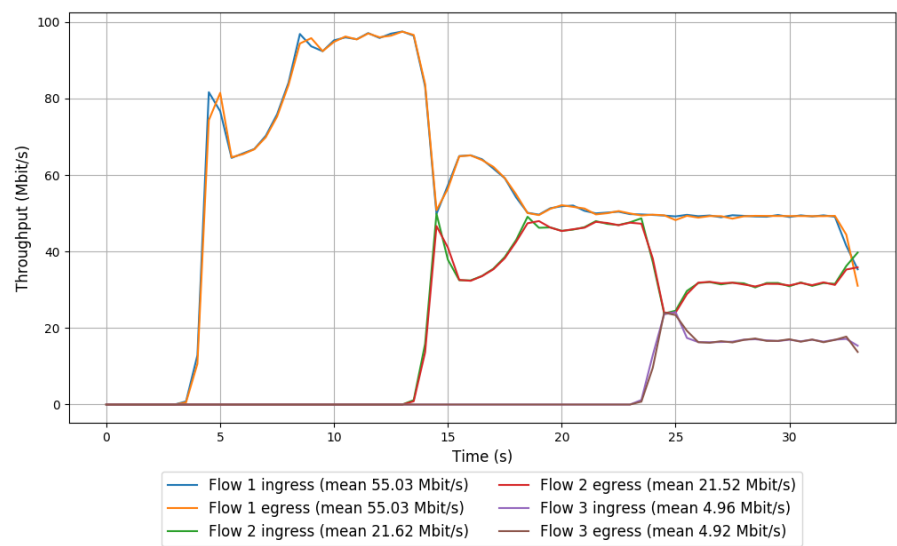
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 53.42 Mbit/s)
Flow 1 egress (mean 53.42 Mbit/s)
Flow 2 ingress (mean 24.87 Mbit/s)
Flow 2 egress (mean 24.82 Mbit/s)
Flow 3 ingress (mean 3.29 Mbit/s)
Flow 3 egress (mean 3.18 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 67.718 ms)
Flow 2 per-packet one-way delay (95th percentile 70.691 ms)
Flow 3 per-packet one-way delay (95th percentile 72.247 ms)

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```
Run 3: Statistics of PCC

Start at: Sat, 01 Jul 2017 13:32:05 +0000
End at: Sat, 01 Jul 2017 13:32:35 +0000
Local clock offset: 0.759 ms
Remote clock offset: -2.772 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:04:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.82 Mbit/s
95th percentile per-packet one-way delay: 56.619 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 59.85 Mbit/s
95th percentile per-packet one-way delay: 56.324 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 18.53 Mbit/s
95th percentile per-packet one-way delay: 57.866 ms
Loss rate: 0.50%
-- Flow 3:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: 57.042 ms
Loss rate: 0.98%
```
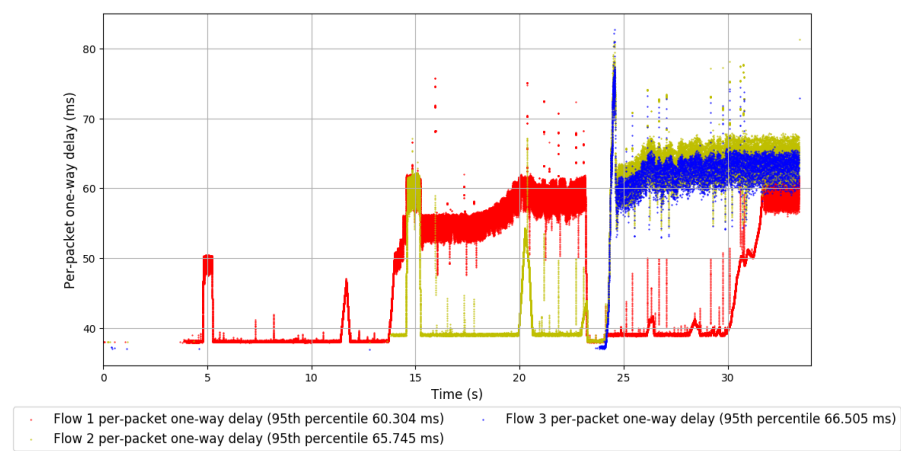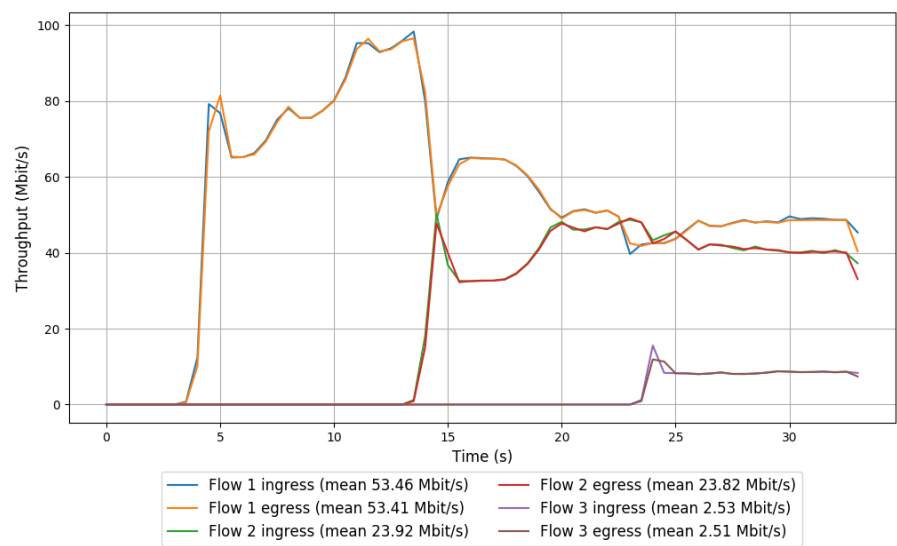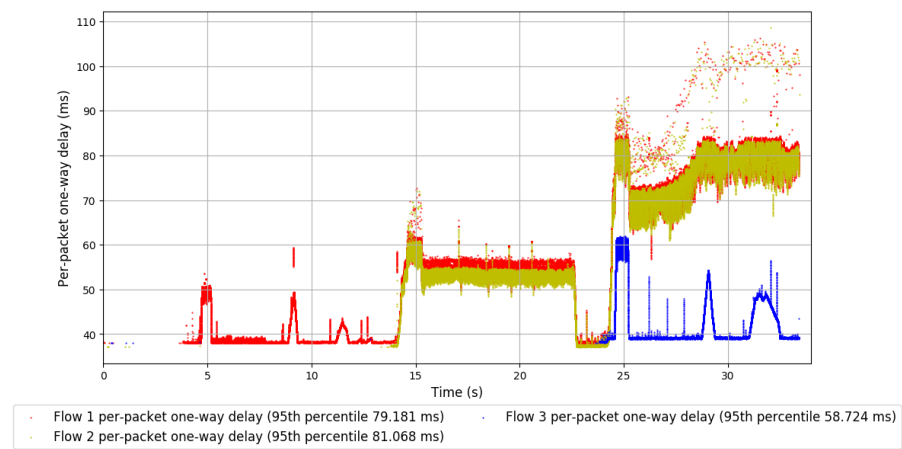
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 59.94 Mbit/s)   Flow 2 egress (mean 18.53 Mbit/s)
Flow 1 egress (mean 59.85 Mbit/s)   Flow 3 ingress (mean 2.59 Mbit/s)
Flow 2 ingress (mean 18.58 Mbit/s)   Flow 3 egress (mean 2.57 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 56.324 ms)   Flow 3 per-packet one-way delay (95th percentile 57.042 ms)
Flow 2 per-packet one-way delay (95th percentile 57.866 ms)

```
Run 4: Statistics of PCC

Start at: Sat, 01 Jul 2017 13:52:43 +0000
End at: Sat, 01 Jul 2017 13:53:13 +0000
Local clock offset: 0.654 ms
Remote clock offset: -2.429 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:04:48 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.27 Mbit/s
95th percentile per-packet one-way delay: 72.380 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 55.03 Mbit/s
95th percentile per-packet one-way delay: 61.120 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 21.52 Mbit/s
95th percentile per-packet one-way delay: 74.799 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 82.153 ms
Loss rate: 1.09%
```
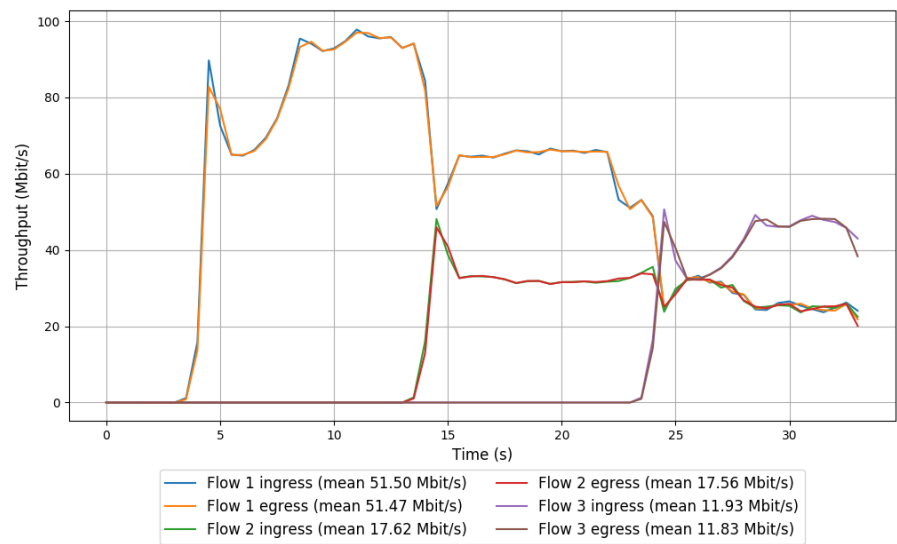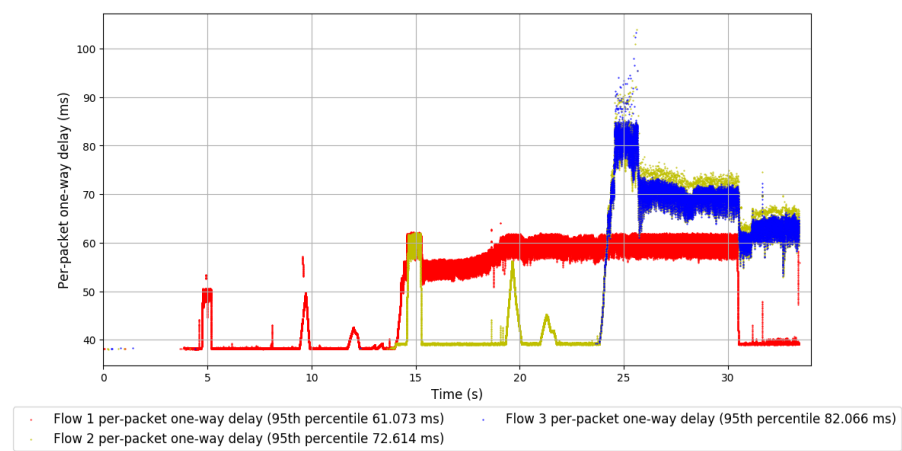
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 55.03 Mbit/s)
Flow 1 egress (mean 55.03 Mbit/s)
Flow 2 ingress (mean 21.62 Mbit/s)
Flow 2 egress (mean 21.52 Mbit/s)
Flow 3 ingress (mean 4.96 Mbit/s)
Flow 3 egress (mean 4.92 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 61.120 ms)
Flow 2 per-packet one-way delay (95th percentile 74.799 ms)
Flow 3 per-packet one-way delay (95th percentile 82.153 ms)

```
Run 5: Statistics of PCC

Start at: Sat, 01 Jul 2017 14:13:16 +0000
End at: Sat, 01 Jul 2017 14:13:46 +0000
Local clock offset: 0.548 ms
Remote clock offset: -3.126 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:04:55 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 64.528 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: 60.304 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 23.82 Mbit/s
95th percentile per-packet one-way delay: 65.745 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 66.505 ms
Loss rate: 1.17%
```
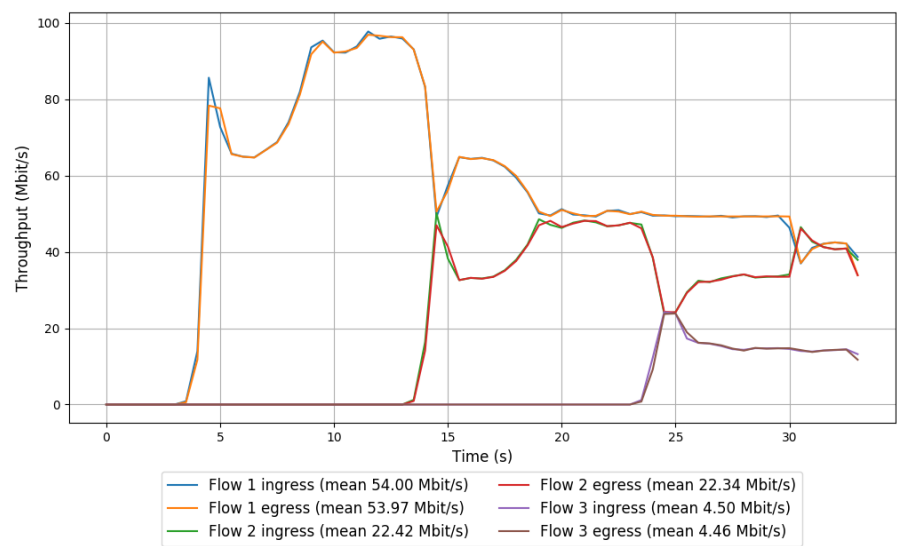
Run 5: Report of PCC — Data Link

```
Run 6: Statistics of PCC

Start at: Sat, 01 Jul 2017 14:33:59 +0000
End at: Sat, 01 Jul 2017 14:34:29 +0000
Local clock offset: 0.325 ms
Remote clock offset: -0.658 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:01 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.64 Mbit/s
95th percentile per-packet one-way delay: 79.603 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 51.47 Mbit/s
95th percentile per-packet one-way delay: 79.181 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 17.56 Mbit/s
95th percentile per-packet one-way delay: 81.068 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 58.724 ms
Loss rate: 1.05%
```
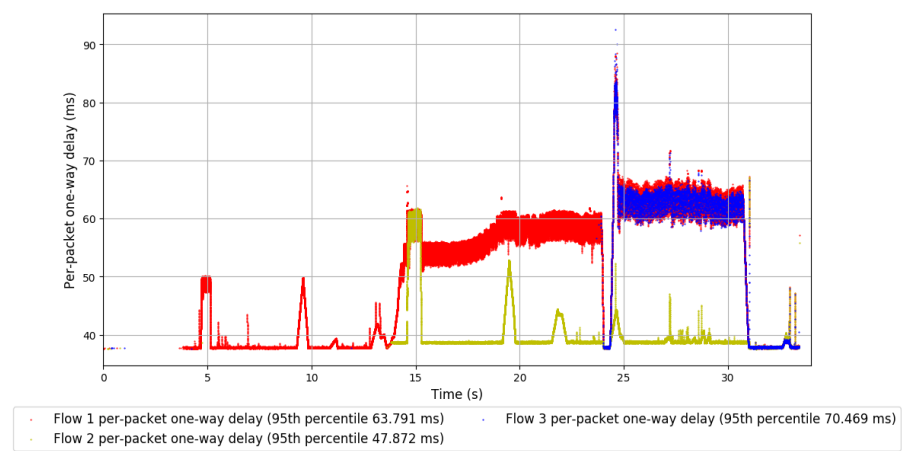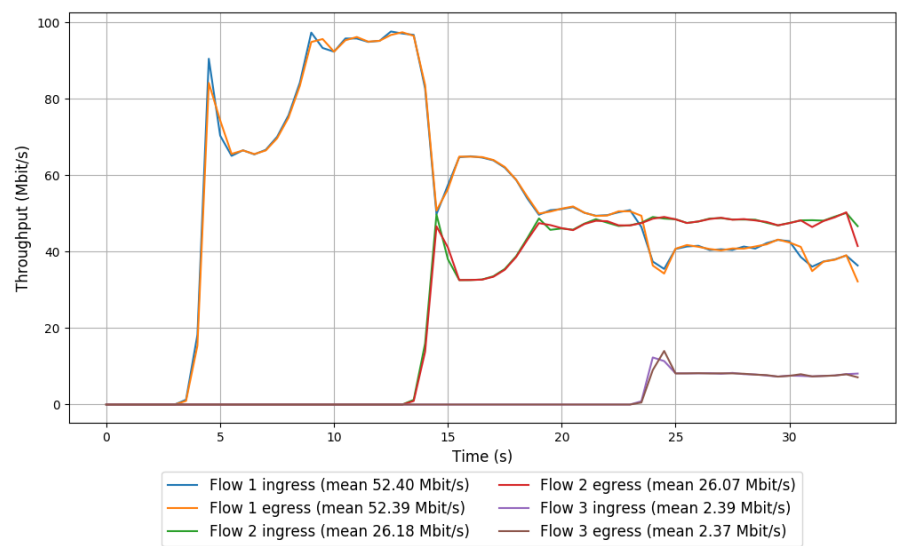
Run 6: Report of PCC — Data Link

- Flow 1 ingress (mean 51.50 Mbit/s)
- Flow 1 egress (mean 51.47 Mbit/s)
- Flow 2 ingress (mean 17.62 Mbit/s)
- Flow 2 egress (mean 17.56 Mbit/s)
- Flow 3 ingress (mean 11.93 Mbit/s)
- Flow 3 egress (mean 11.83 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 79.181 ms)
- Flow 2 per-packet one-way delay (95th percentile 81.068 ms)
- Flow 3 per-packet one-way delay (95th percentile 58.724 ms)

```
Run 7: Statistics of PCC

Start at: Sat, 01 Jul 2017 14:54:32 +0000
End at: Sat, 01 Jul 2017 14:55:02 +0000
Local clock offset: 0.02 ms
Remote clock offset: -0.602 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:07 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.59 Mbit/s
95th percentile per-packet one-way delay: 70.488 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 61.073 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 22.34 Mbit/s
95th percentile per-packet one-way delay: 72.614 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 82.066 ms
Loss rate: 1.11%
```
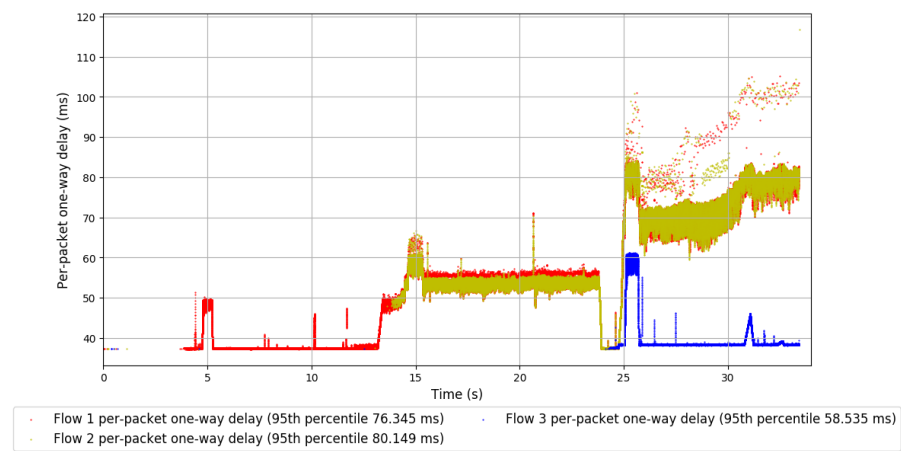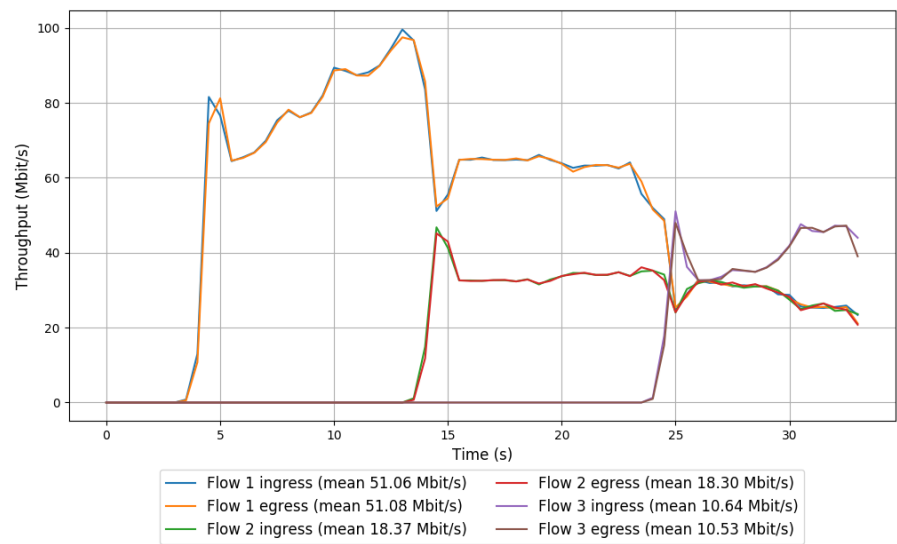
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 54.00 Mbit/s)
Flow 1 egress (mean 53.97 Mbit/s)
Flow 2 ingress (mean 22.42 Mbit/s)
Flow 2 egress (mean 22.34 Mbit/s)
Flow 3 ingress (mean 4.50 Mbit/s)
Flow 3 egress (mean 4.46 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 61.073 ms)
Flow 2 per-packet one-way delay (95th percentile 72.614 ms)
Flow 3 per-packet one-way delay (95th percentile 82.066 ms)

```
Run 8: Statistics of PCC

Start at: Sat, 01 Jul 2017 15:15:10 +0000
End at: Sat, 01 Jul 2017 15:15:40 +0000
Local clock offset: 0.21 ms
Remote clock offset: -1.36 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 63.409 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 52.39 Mbit/s
95th percentile per-packet one-way delay: 63.791 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 26.07 Mbit/s
95th percentile per-packet one-way delay: 47.872 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 70.469 ms
Loss rate: 1.02%
```
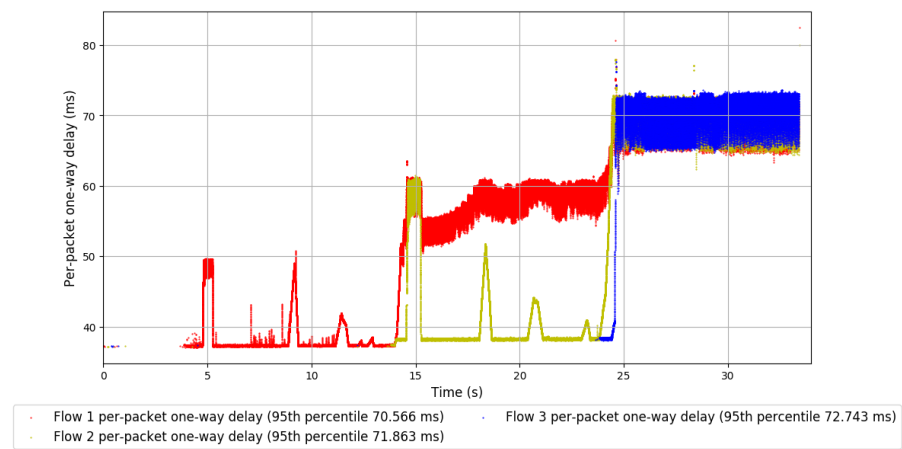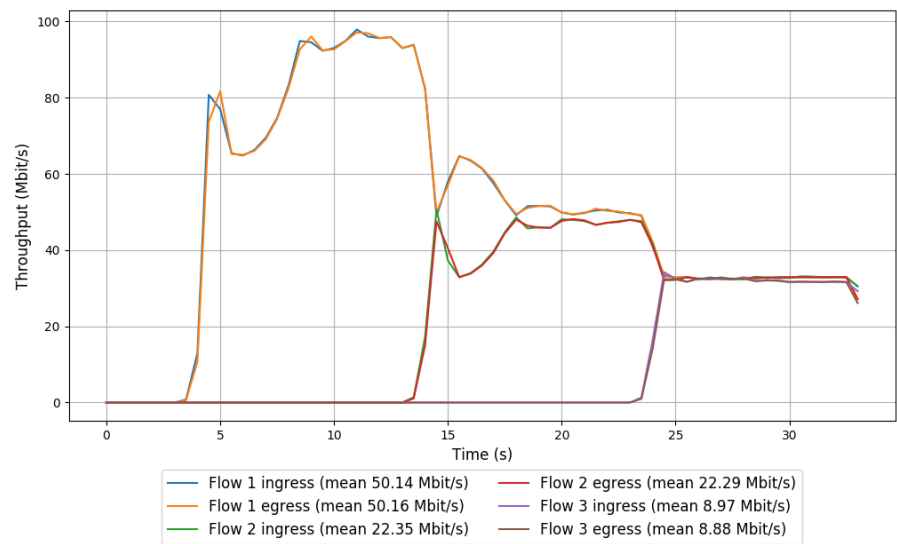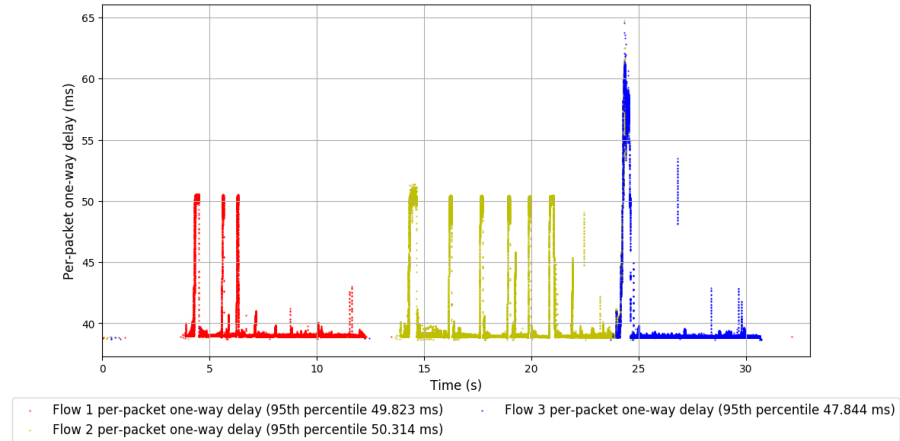
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 52.40 Mbit/s)
Flow 1 egress (mean 52.39 Mbit/s)
Flow 2 ingress (mean 26.18 Mbit/s)
Flow 2 egress (mean 26.07 Mbit/s)
Flow 3 ingress (mean 2.39 Mbit/s)
Flow 3 egress (mean 2.37 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.791 ms)
Flow 2 per-packet one-way delay (95th percentile 47.872 ms)
Flow 3 per-packet one-way delay (95th percentile 70.469 ms)

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```
Run 9: Statistics of PCC

Start at: Sat, 01 Jul 2017 15:35:51 +0000
End at: Sat, 01 Jul 2017 15:36:21 +0000
Local clock offset: 0.275 ms
Remote clock offset: -4.119 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:19 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.67 Mbit/s
95th percentile per-packet one-way delay: 77.921 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 51.08 Mbit/s
95th percentile per-packet one-way delay: 76.345 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 18.30 Mbit/s
95th percentile per-packet one-way delay: 80.149 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: 58.535 ms
Loss rate: 1.22%
```
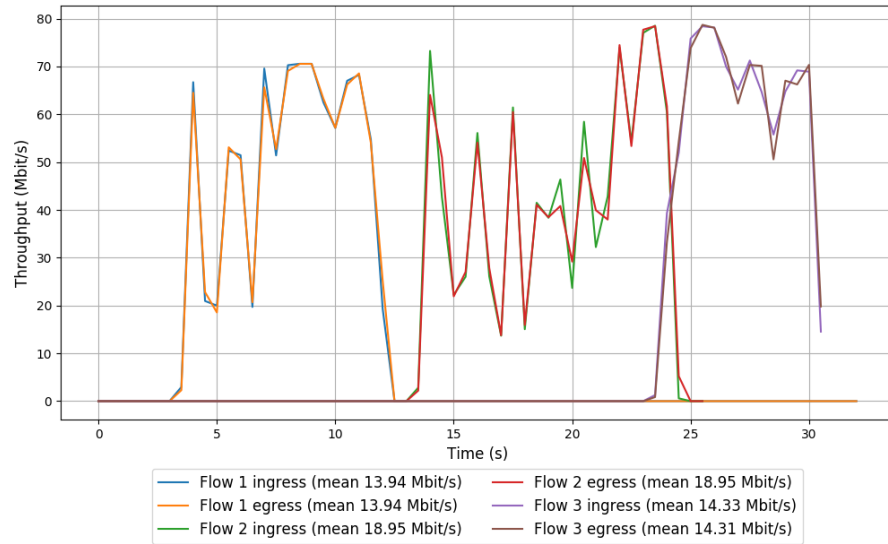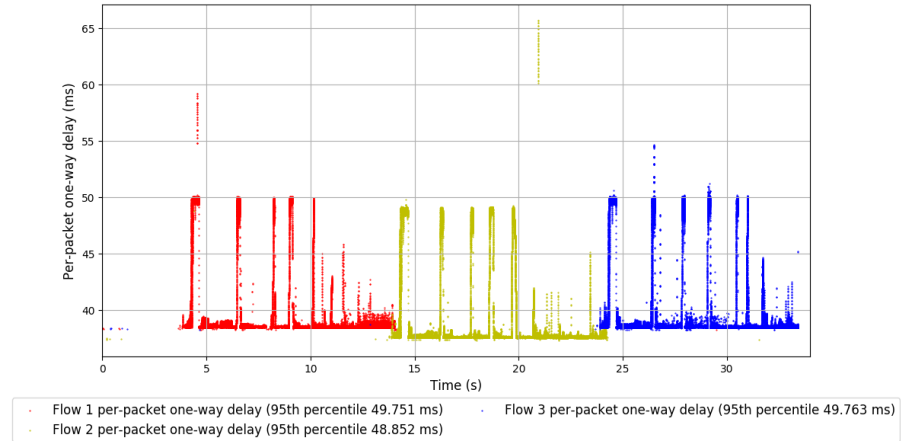
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 51.06 Mbit/s)
Flow 1 egress (mean 51.08 Mbit/s)
Flow 2 ingress (mean 18.37 Mbit/s)
Flow 2 egress (mean 18.30 Mbit/s)
Flow 3 ingress (mean 10.64 Mbit/s)
Flow 3 egress (mean 10.53 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 76.345 ms)
Flow 2 per-packet one-way delay (95th percentile 80.149 ms)
Flow 3 per-packet one-way delay (95th percentile 58.535 ms)

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```
Run 10: Statistics of PCC

Start at: Sat, 01 Jul 2017 15:56:29 +0000
End at: Sat, 01 Jul 2017 15:56:59 +0000
Local clock offset: 0.314 ms
Remote clock offset: -2.111 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:28 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.10 Mbit/s
95th percentile per-packet one-way delay: 71.744 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 70.566 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: 71.863 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 8.88 Mbit/s
95th percentile per-packet one-way delay: 72.743 ms
Loss rate: 1.29%
```
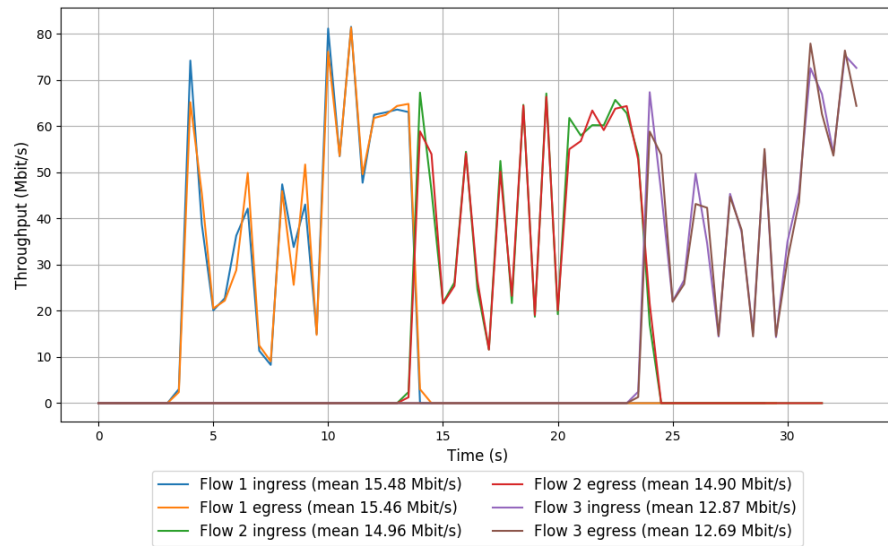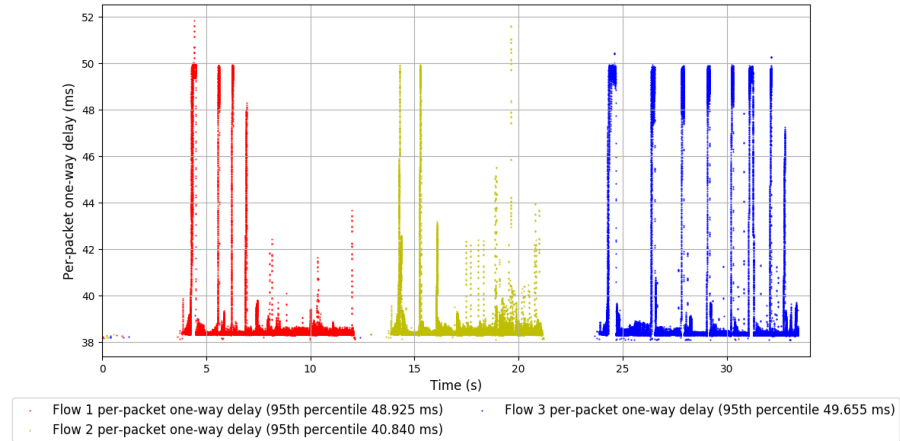
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 50.14 Mbit/s)
Flow 1 egress (mean 50.16 Mbit/s)
Flow 2 ingress (mean 22.35 Mbit/s)
Flow 2 egress (mean 22.29 Mbit/s)
Flow 3 ingress (mean 8.97 Mbit/s)
Flow 3 egress (mean 8.88 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 70.566 ms)
Flow 2 per-packet one-way delay (95th percentile 71.863 ms)
Flow 3 per-packet one-way delay (95th percentile 72.743 ms)

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

Start at: Sat, 01 Jul 2017 12:40:51 +0000
End at: Sat, 01 Jul 2017 12:41:21 +0000
Local clock offset: 0.714 ms
Remote clock offset: 0.647 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:28 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.52 Mbit/s
95th percentile per-packet one-way delay: 50.207 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 13.94 Mbit/s
95th percentile per-packet one-way delay: 49.823 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 18.95 Mbit/s
95th percentile per-packet one-way delay: 50.314 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: 47.844 ms
Loss rate: 0.17%
```
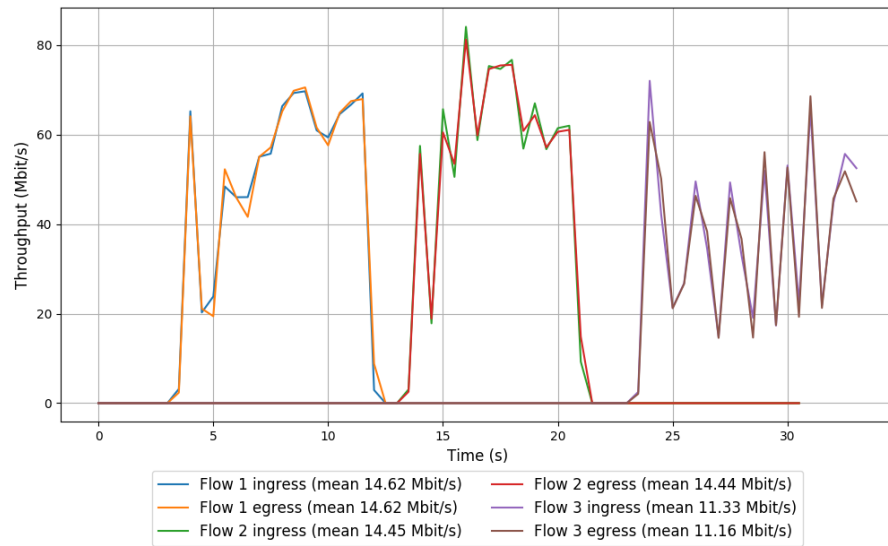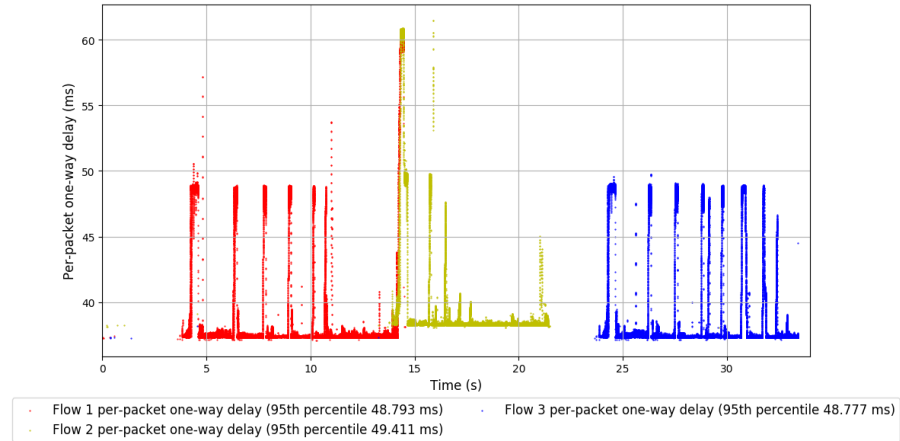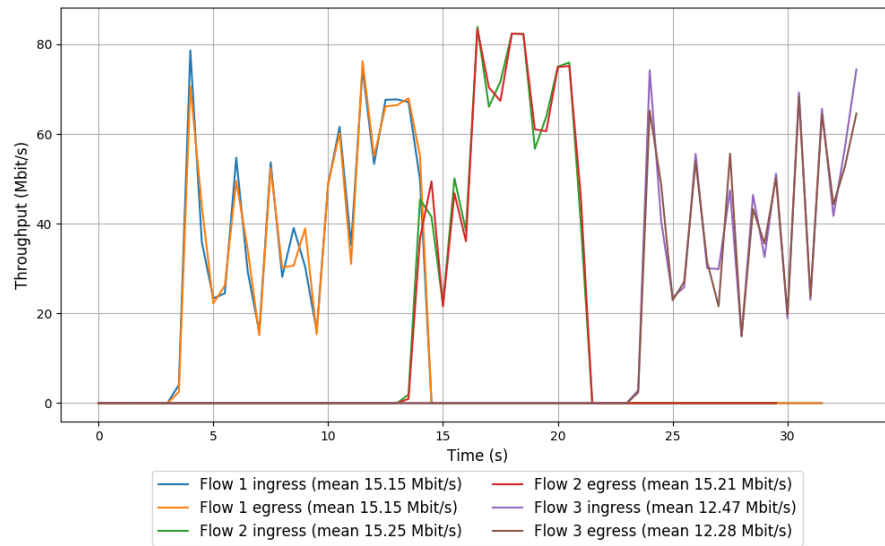
Run 1: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 13.94 Mbit/s) Flow 2 egress (mean 18.95 Mbit/s)
Flow 1 egress (mean 13.94 Mbit/s) Flow 3 ingress (mean 14.33 Mbit/s)
Flow 2 ingress (mean 18.95 Mbit/s) Flow 3 egress (mean 14.31 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 49.823 ms) Flow 3 per-packet one-way delay (95th percentile 47.844 ms)
Flow 2 per-packet one-way delay (95th percentile 50.314 ms)

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

Start at: Sat, 01 Jul 2017 13:01:36 +0000
End at: Sat, 01 Jul 2017 13:02:06 +0000
Local clock offset: 0.702 ms
Remote clock offset: -2.085 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.18 Mbit/s
95th percentile per-packet one-way delay: 49.665 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: 49.751 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 48.852 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 49.763 ms
Loss rate: 1.67%
```

Run 2: Report of QUIC Cubic (toy) — Data Link

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

Start at: Sat, 01 Jul 2017 13:22:23 +0000
End at: Sat, 01 Jul 2017 13:22:53 +0000
Local clock offset: 0.703 ms
Remote clock offset: -2.309 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:35 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 49.485 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 14.62 Mbit/s
95th percentile per-packet one-way delay: 48.925 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.44 Mbit/s
95th percentile per-packet one-way delay: 40.840 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 49.655 ms
Loss rate: 1.73%
```
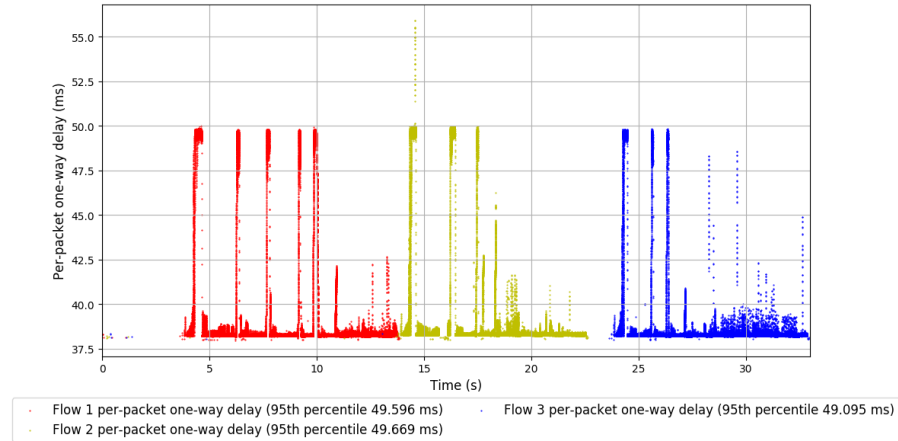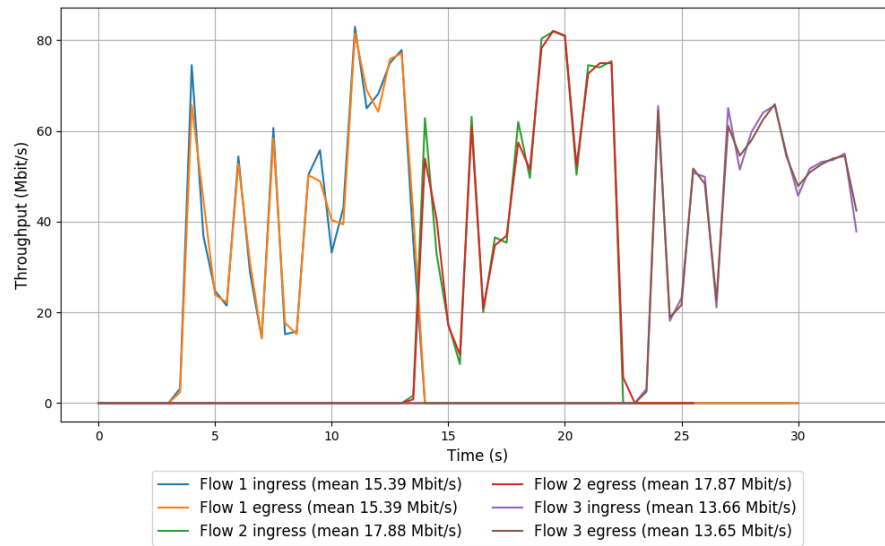
Run 3: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 14.62 Mbit/s)   Flow 2 egress (mean 14.44 Mbit/s)
Flow 1 egress (mean 14.62 Mbit/s)   Flow 3 ingress (mean 11.33 Mbit/s)
Flow 2 ingress (mean 14.45 Mbit/s)   Flow 3 egress (mean 11.16 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 48.925 ms)   Flow 3 per-packet one-way delay (95th percentile 49.655 ms)
Flow 2 per-packet one-way delay (95th percentile 40.840 ms)

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

Start at: Sat, 01 Jul 2017 13:43:05 +0000
End at: Sat, 01 Jul 2017 13:43:35 +0000
Local clock offset: 0.629 ms
Remote clock offset: 0.015 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.93 Mbit/s
95th percentile per-packet one-way delay: 48.810 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 15.15 Mbit/s
95th percentile per-packet one-way delay: 48.793 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 15.21 Mbit/s
95th percentile per-packet one-way delay: 49.411 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 48.777 ms
Loss rate: 1.72%
```
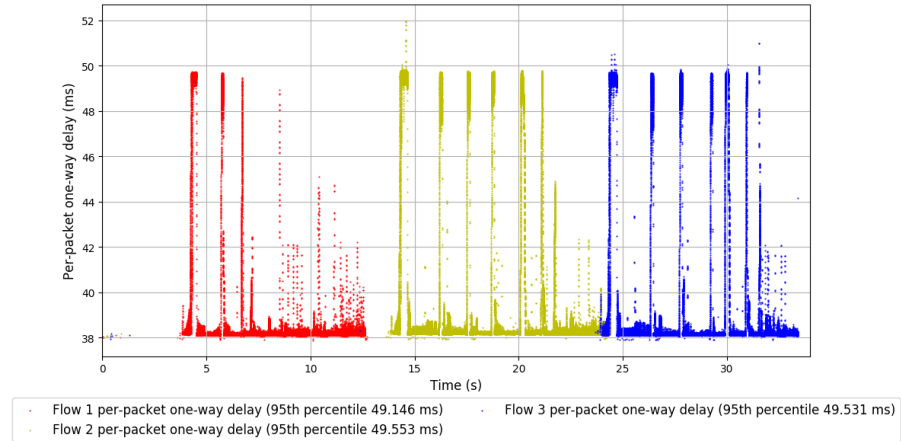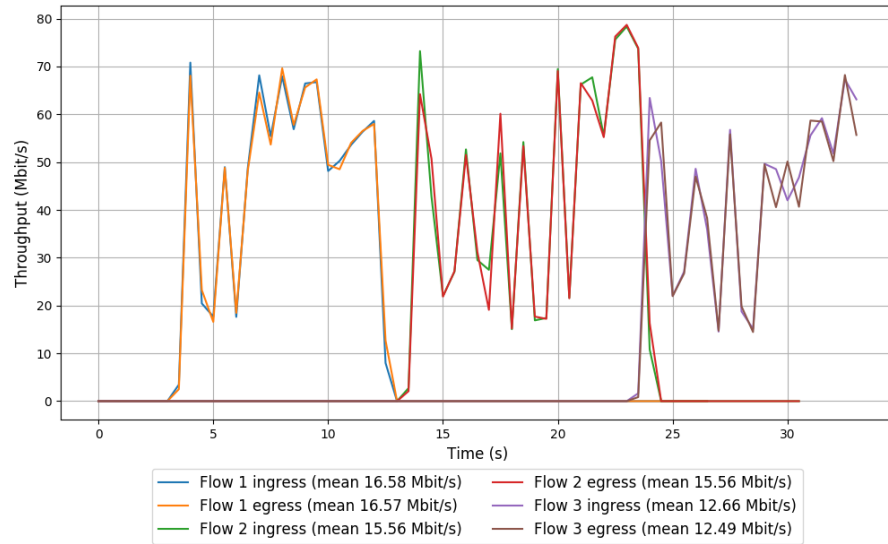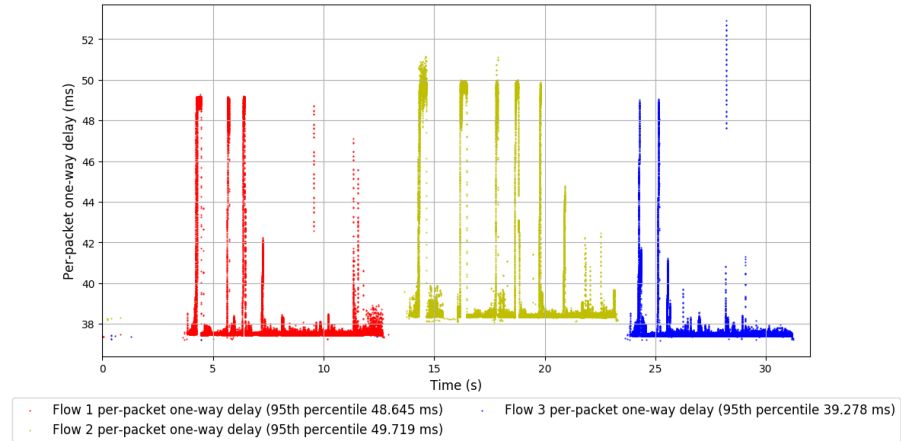
Run 4: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 15.15 Mbit/s)
Flow 1 egress (mean 15.15 Mbit/s)
Flow 2 ingress (mean 15.25 Mbit/s)
Flow 2 egress (mean 15.21 Mbit/s)
Flow 3 ingress (mean 12.47 Mbit/s)
Flow 3 egress (mean 12.28 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 48.793 ms)
Flow 2 per-packet one-way delay (95th percentile 49.411 ms)
Flow 3 per-packet one-way delay (95th percentile 48.777 ms)

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

Start at: Sat, 01 Jul 2017 14:03:35 +0000
End at: Sat, 01 Jul 2017 14:04:05 +0000
Local clock offset: 0.577 ms
Remote clock offset: -0.555 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:42 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.51 Mbit/s
95th percentile per-packet one-way delay: 49.562 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 15.39 Mbit/s
95th percentile per-packet one-way delay: 49.596 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 17.87 Mbit/s
95th percentile per-packet one-way delay: 49.669 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 49.095 ms
Loss rate: 0.09%
```
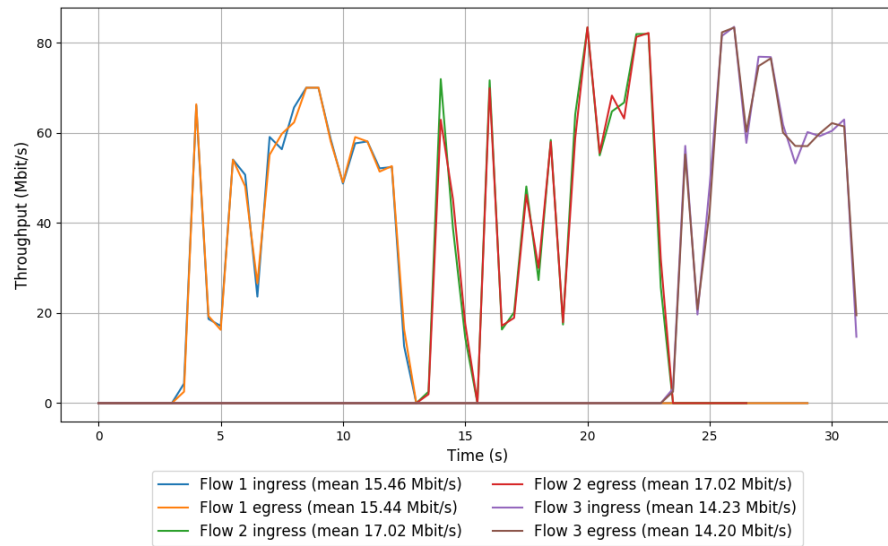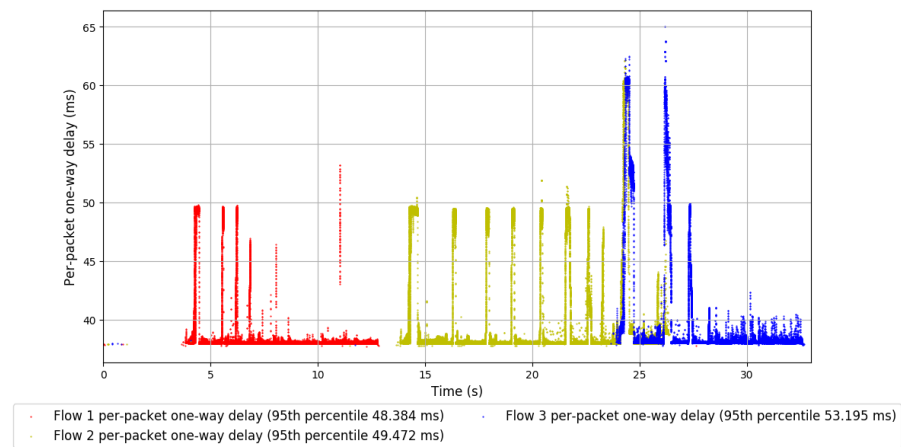
Run 5: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 15.39 Mbit/s)
Flow 1 egress (mean 15.39 Mbit/s)
Flow 2 ingress (mean 17.88 Mbit/s)
Flow 2 egress (mean 17.87 Mbit/s)
Flow 3 ingress (mean 13.66 Mbit/s)
Flow 3 egress (mean 13.65 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 49.596 ms)
Flow 2 per-packet one-way delay (95th percentile 49.669 ms)
Flow 3 per-packet one-way delay (95th percentile 49.095 ms)

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

Start at: Sat, 01 Jul 2017 14:24:17 +0000
End at: Sat, 01 Jul 2017 14:24:47 +0000
Local clock offset: 0.566 ms
Remote clock offset: -2.853 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:47 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.84 Mbit/s
95th percentile per-packet one-way delay: 49.500 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 49.146 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 49.553 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 12.49 Mbit/s
95th percentile per-packet one-way delay: 49.531 ms
Loss rate: 1.60%
```
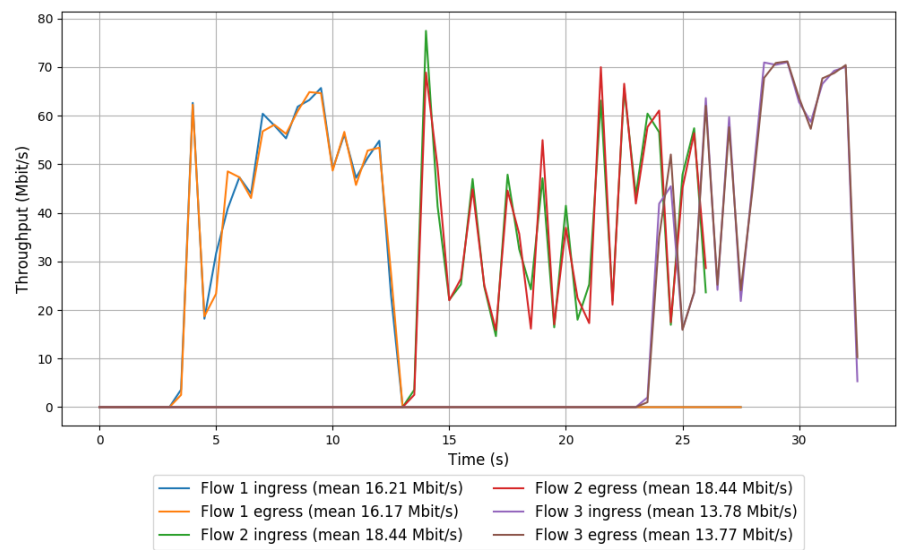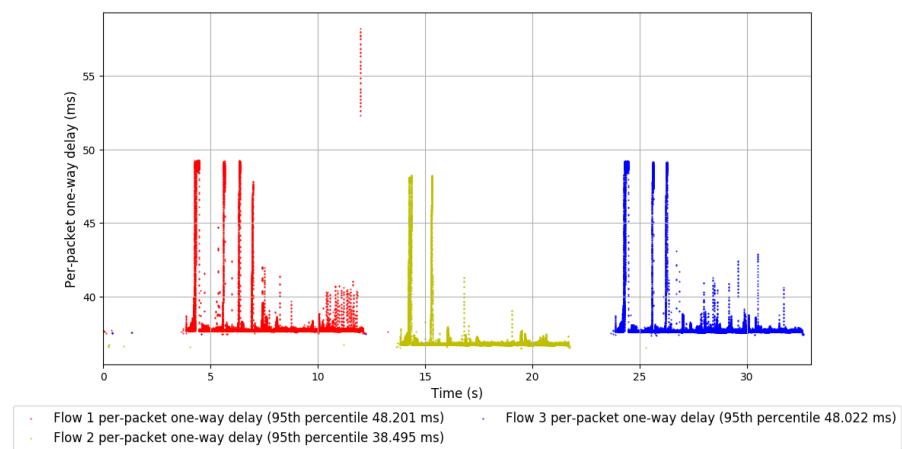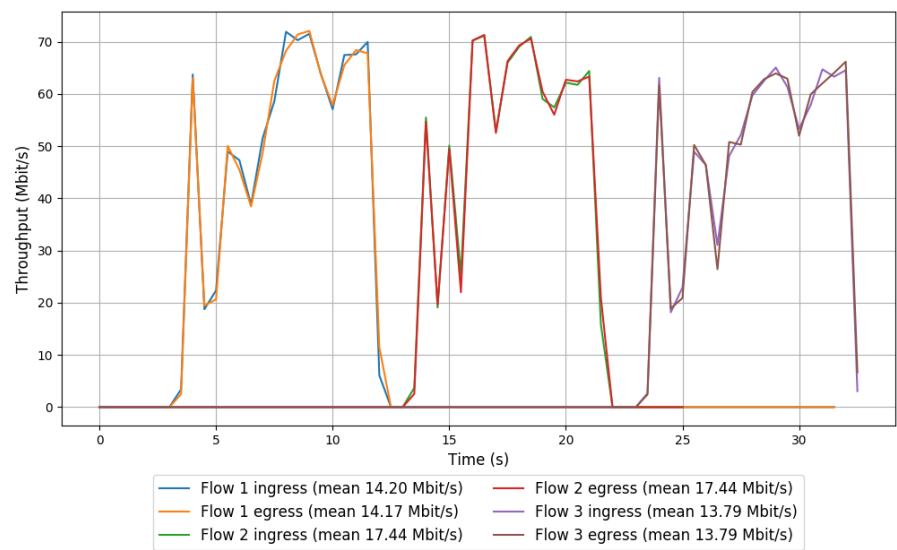
Run 6: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 16.58 Mbit/s)
Flow 1 egress (mean 16.57 Mbit/s)
Flow 2 ingress (mean 15.56 Mbit/s)
Flow 2 egress (mean 15.56 Mbit/s)
Flow 3 ingress (mean 12.66 Mbit/s)
Flow 3 egress (mean 12.49 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 49.146 ms)
Flow 2 per-packet one-way delay (95th percentile 49.553 ms)
Flow 3 per-packet one-way delay (95th percentile 49.531 ms)

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

Start at: Sat, 01 Jul 2017 14:44:52 +0000
End at: Sat, 01 Jul 2017 14:45:22 +0000
Local clock offset: 0.242 ms
Remote clock offset: -1.209 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.99 Mbit/s
95th percentile per-packet one-way delay: 49.264 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 15.44 Mbit/s
95th percentile per-packet one-way delay: 48.645 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 17.02 Mbit/s
95th percentile per-packet one-way delay: 49.719 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 39.278 ms
Loss rate: 0.19%
```
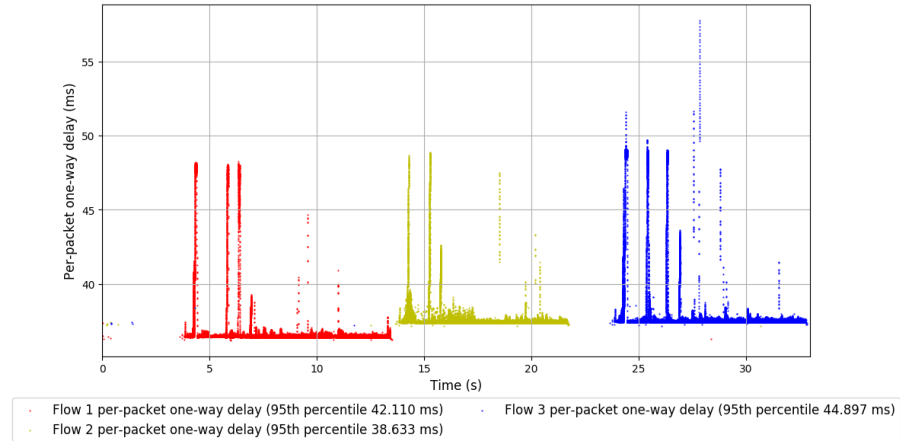
Run 7: Report of QUIC Cubic (toy) — Data Link

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

Start at: Sat, 01 Jul 2017 15:05:29 +0000
End at: Sat, 01 Jul 2017 15:05:59 +0000
Local clock offset: 0.09 ms
Remote clock offset: -1.207 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:55 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.09 Mbit/s
95th percentile per-packet one-way delay: 49.506 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 16.17 Mbit/s
95th percentile per-packet one-way delay: 48.384 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 18.44 Mbit/s
95th percentile per-packet one-way delay: 49.472 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.77 Mbit/s
95th percentile per-packet one-way delay: 53.195 ms
Loss rate: 0.03%
```
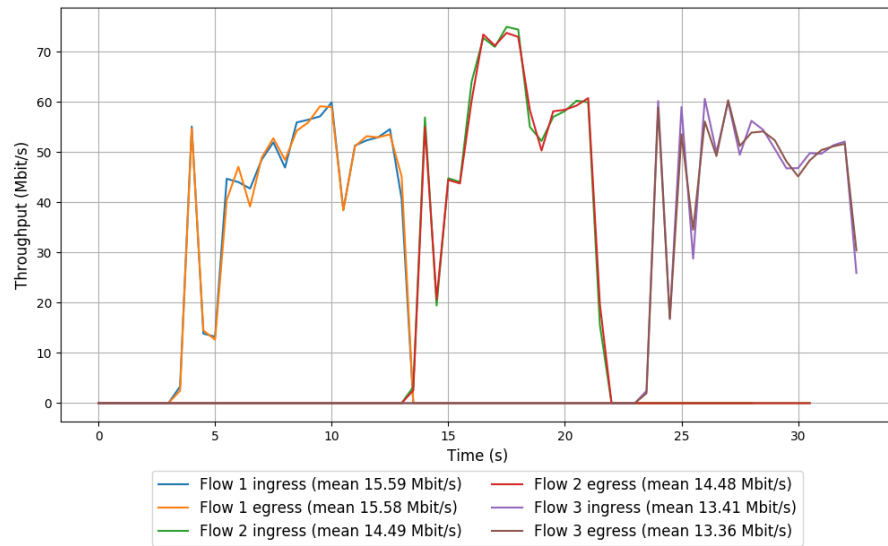
Run 8: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 16.21 Mbit/s)
Flow 1 egress (mean 16.17 Mbit/s)
Flow 2 ingress (mean 18.44 Mbit/s)
Flow 2 egress (mean 18.44 Mbit/s)
Flow 3 ingress (mean 13.78 Mbit/s)
Flow 3 egress (mean 13.77 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 48.384 ms)
Flow 2 per-packet one-way delay (95th percentile 49.472 ms)
Flow 3 per-packet one-way delay (95th percentile 53.195 ms)

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

Start at: Sat, 01 Jul 2017 15:26:10 +0000
End at: Sat, 01 Jul 2017 15:26:40 +0000
Local clock offset: 0.237 ms
Remote clock offset: -1.566 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:05:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 45.167 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 14.17 Mbit/s
95th percentile per-packet one-way delay: 48.201 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 17.44 Mbit/s
95th percentile per-packet one-way delay: 38.495 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 13.79 Mbit/s
95th percentile per-packet one-way delay: 48.022 ms
Loss rate: 0.00%
```
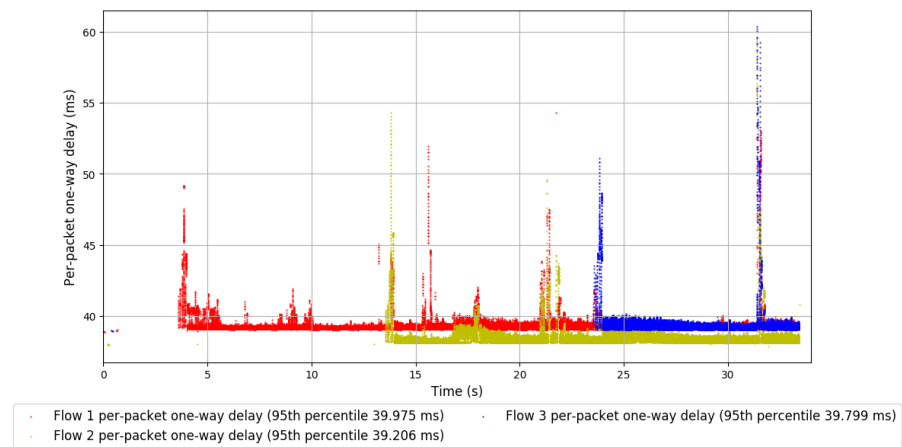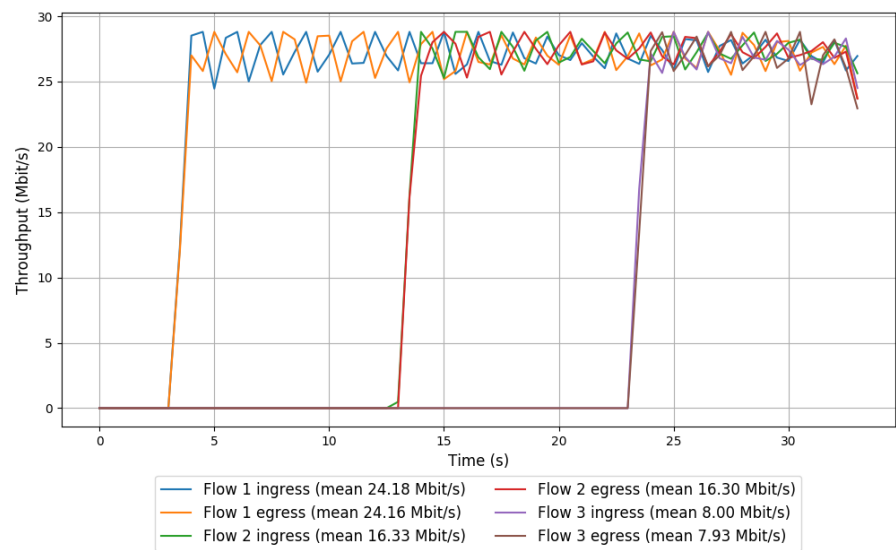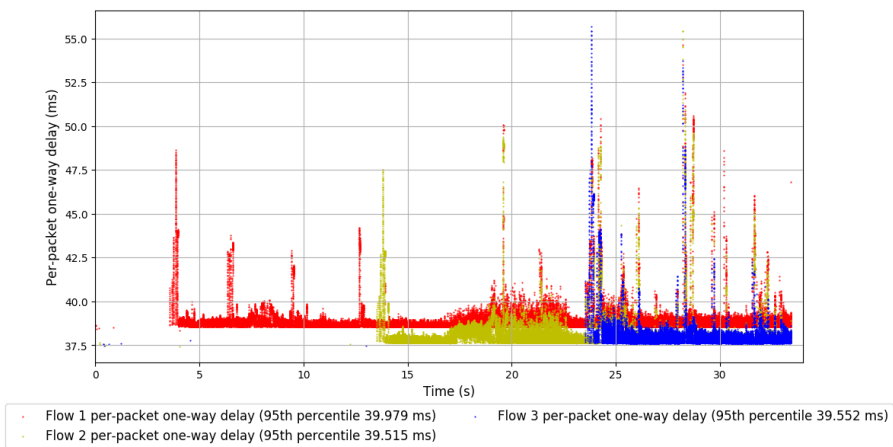
Run 9: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 14.20 Mbit/s)   Flow 2 egress (mean 17.44 Mbit/s)
Flow 1 egress (mean 14.17 Mbit/s)   Flow 3 ingress (mean 13.79 Mbit/s)
Flow 2 ingress (mean 17.44 Mbit/s)   Flow 3 egress (mean 13.79 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 48.201 ms)   Flow 3 per-packet one-way delay (95th percentile 48.022 ms)
Flow 2 per-packet one-way delay (95th percentile 38.495 ms)

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

Start at: Sat, 01 Jul 2017 15:46:50 +0000
End at: Sat, 01 Jul 2017 15:47:20 +0000
Local clock offset: 0.271 ms
Remote clock offset: -1.127 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:00 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 40.11 Mbit/s
95th percentile per-packet one-way delay: 41.380 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 42.110 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 14.48 Mbit/s
95th percentile per-packet one-way delay: 38.633 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 13.36 Mbit/s
95th percentile per-packet one-way delay: 44.897 ms
Loss rate: 0.32%
```
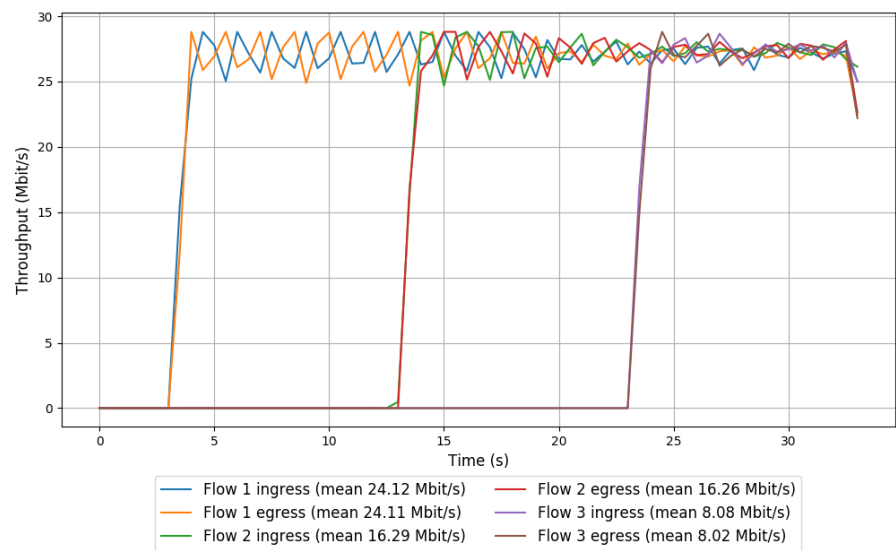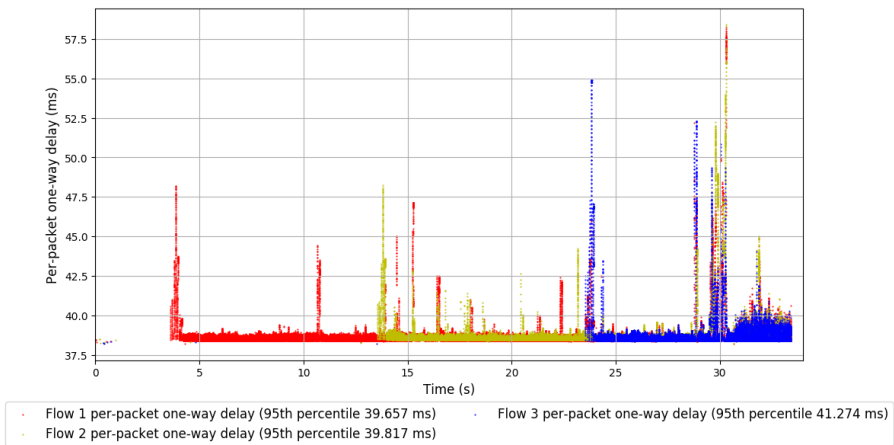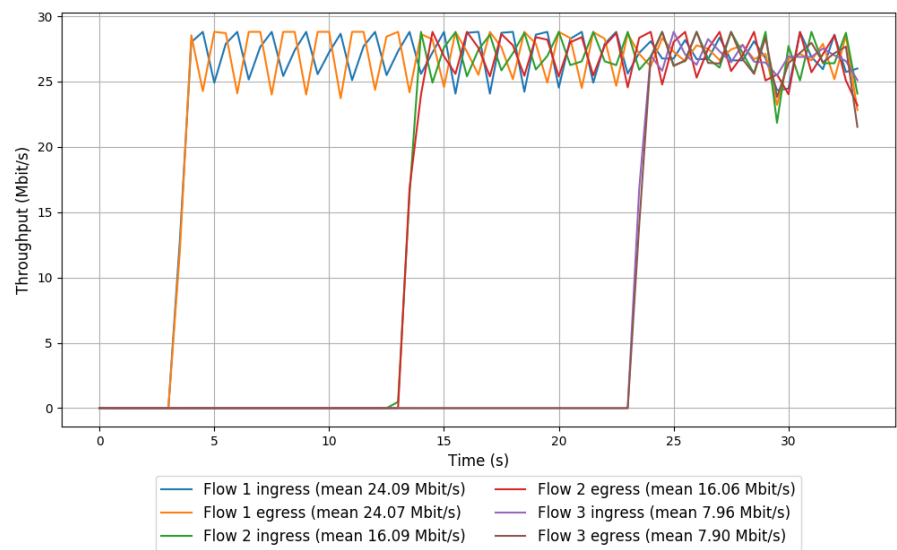
Run 10: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 15.59 Mbit/s)   Flow 2 egress (mean 14.48 Mbit/s)
Flow 1 egress (mean 15.58 Mbit/s)   Flow 3 ingress (mean 13.41 Mbit/s)
Flow 2 ingress (mean 14.49 Mbit/s)   Flow 3 egress (mean 13.36 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 42.110 ms)   Flow 3 per-packet one-way delay (95th percentile 44.897 ms)
Flow 2 per-packet one-way delay (95th percentile 38.633 ms)

```
Run 1: Statistics of Saturator

Start at: Sat, 01 Jul 2017 12:34:01 +0000
End at: Sat, 01 Jul 2017 12:34:31 +0000
Local clock offset: 0.58 ms
Remote clock offset: 0.484 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 39.763 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 24.16 Mbit/s
95th percentile per-packet one-way delay: 39.975 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 39.206 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 39.799 ms
Loss rate: 1.18%
```

Run 1: Report of Saturator — Data Link

```
Run 2: Statistics of Saturator

Start at: Sat, 01 Jul 2017 12:54:45 +0000
End at: Sat, 01 Jul 2017 12:55:15 +0000
Local clock offset: 0.804 ms
Remote clock offset: -2.029 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:08 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.22 Mbit/s
95th percentile per-packet one-way delay: 39.827 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 39.979 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 39.515 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 39.552 ms
Loss rate: 1.00%
```
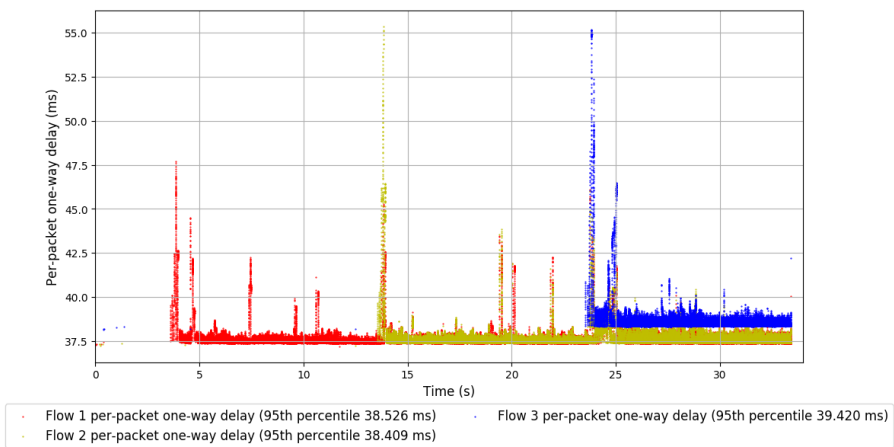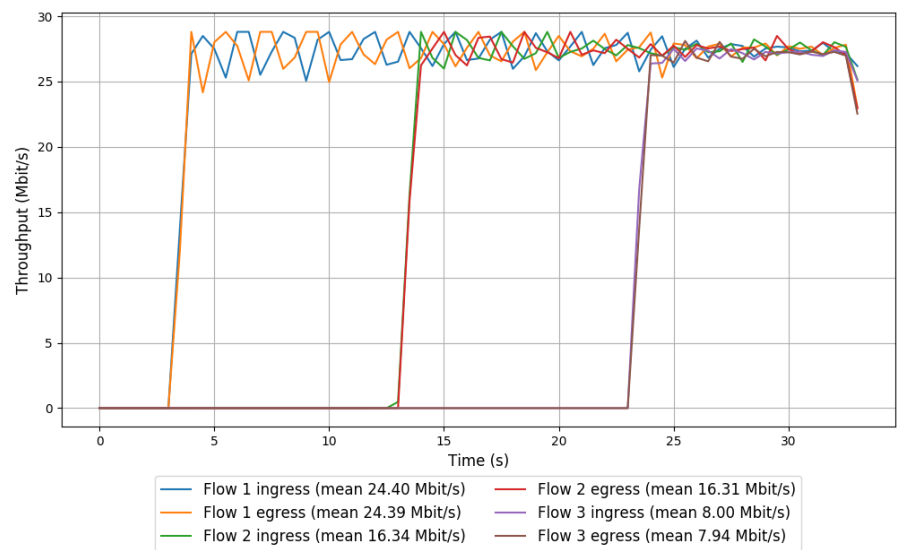
Run 2: Report of Saturator — Data Link

Flow 1 ingress (mean 24.12 Mbit/s)
Flow 1 egress (mean 24.11 Mbit/s)
Flow 2 ingress (mean 16.29 Mbit/s)
Flow 2 egress (mean 16.26 Mbit/s)
Flow 3 ingress (mean 8.08 Mbit/s)
Flow 3 egress (mean 8.02 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 39.979 ms)
Flow 2 per-packet one-way delay (95th percentile 39.515 ms)
Flow 3 per-packet one-way delay (95th percentile 39.552 ms)

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```
Run 3: Statistics of Saturator

Start at: Sat, 01 Jul 2017 13:15:33 +0000
End at: Sat, 01 Jul 2017 13:16:03 +0000
Local clock offset: 0.695 ms
Remote clock offset: -0.152 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.85 Mbit/s
95th percentile per-packet one-way delay: 39.863 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 24.07 Mbit/s
95th percentile per-packet one-way delay: 39.657 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 16.06 Mbit/s
95th percentile per-packet one-way delay: 39.817 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 41.274 ms
Loss rate: 1.00%
```
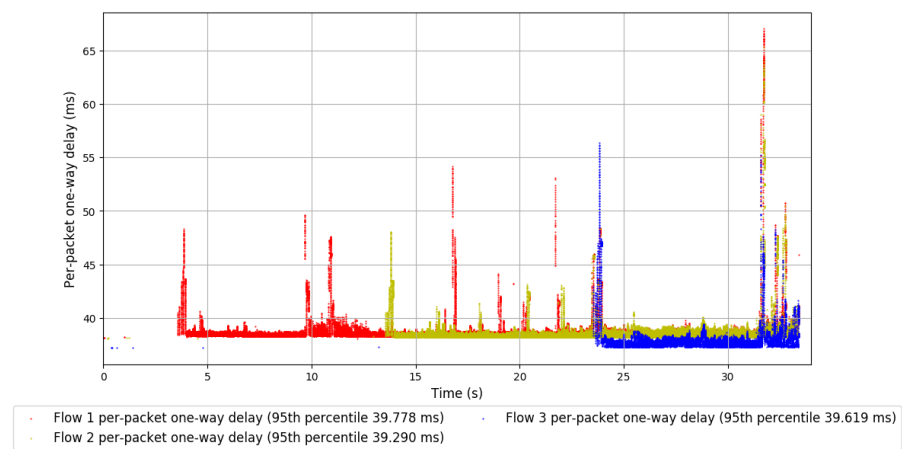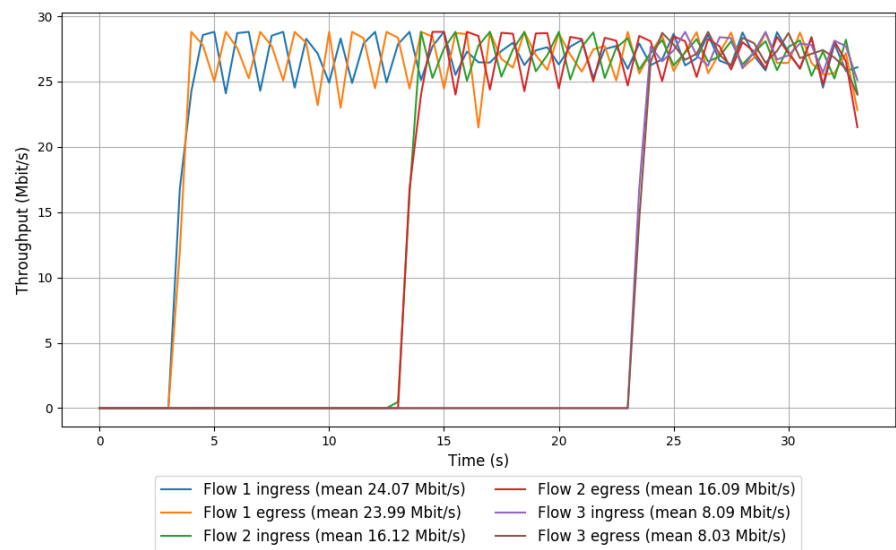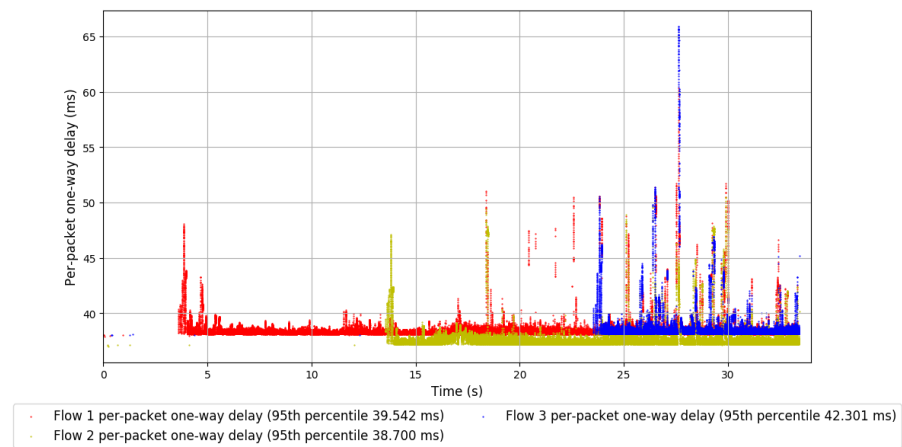
Run 3: Report of Saturator — Data Link

Flow 1 ingress (mean 24.09 Mbit/s)
Flow 1 egress (mean 24.07 Mbit/s)
Flow 2 ingress (mean 16.09 Mbit/s)
Flow 2 egress (mean 16.06 Mbit/s)
Flow 3 ingress (mean 7.96 Mbit/s)
Flow 3 egress (mean 7.90 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 39.657 ms)
Flow 2 per-packet one-way delay (95th percentile 39.817 ms)
Flow 3 per-packet one-way delay (95th percentile 41.274 ms)

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```
Run 4: Statistics of Saturator

Start at: Sat, 01 Jul 2017 13:36:15 +0000
End at: Sat, 01 Jul 2017 13:36:45 +0000
Local clock offset: 0.678 ms
Remote clock offset: -2.368 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.46 Mbit/s
95th percentile per-packet one-way delay: 38.952 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 38.526 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 16.31 Mbit/s
95th percentile per-packet one-way delay: 38.409 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 39.420 ms
Loss rate: 0.90%
```
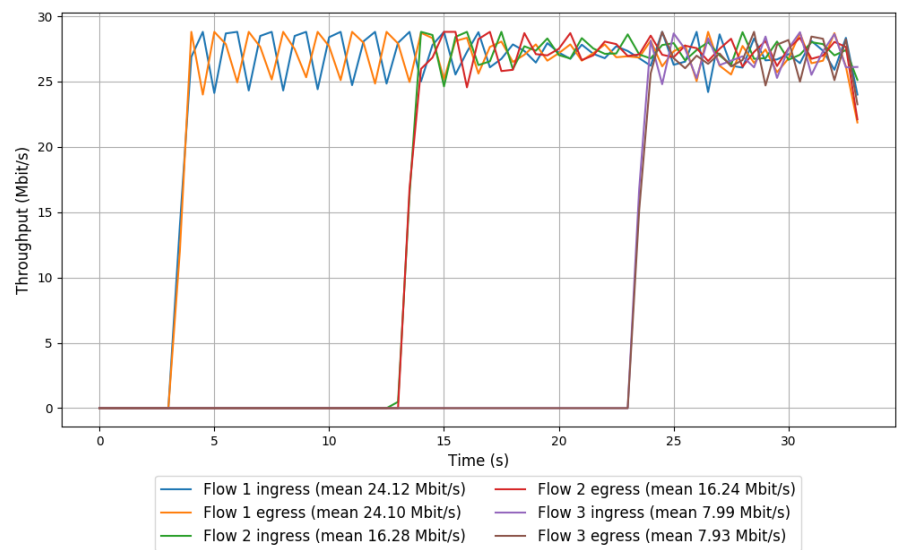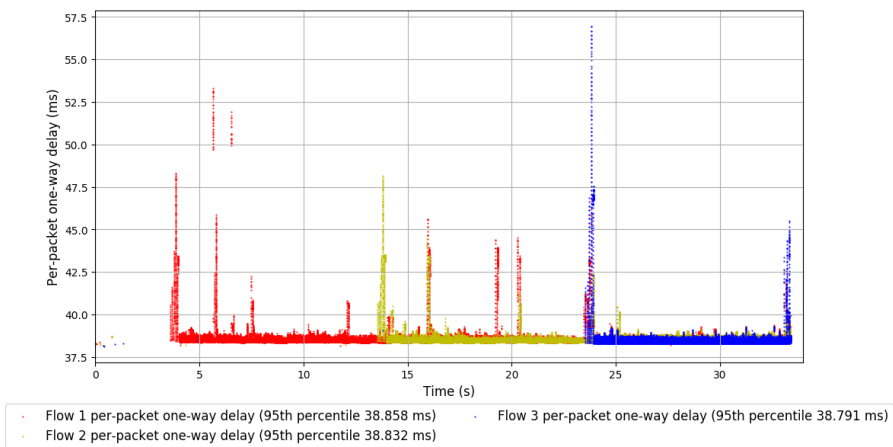
Run 4: Report of Saturator — Data Link

Flow 1 ingress (mean 24.40 Mbit/s)
Flow 1 egress (mean 24.39 Mbit/s)
Flow 2 ingress (mean 16.34 Mbit/s)
Flow 2 egress (mean 16.31 Mbit/s)
Flow 3 ingress (mean 8.00 Mbit/s)
Flow 3 egress (mean 7.94 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 38.526 ms)
Flow 2 per-packet one-way delay (95th percentile 38.409 ms)
Flow 3 per-packet one-way delay (95th percentile 39.420 ms)

```
Run 5: Statistics of Saturator

Start at: Sat, 01 Jul 2017 13:56:54 +0000
End at: Sat, 01 Jul 2017 13:57:24 +0000
Local clock offset: 0.554 ms
Remote clock offset: -0.937 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:19 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.93 Mbit/s
95th percentile per-packet one-way delay: 39.565 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 23.99 Mbit/s
95th percentile per-packet one-way delay: 39.778 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 16.09 Mbit/s
95th percentile per-packet one-way delay: 39.290 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 39.619 ms
Loss rate: 0.95%
```
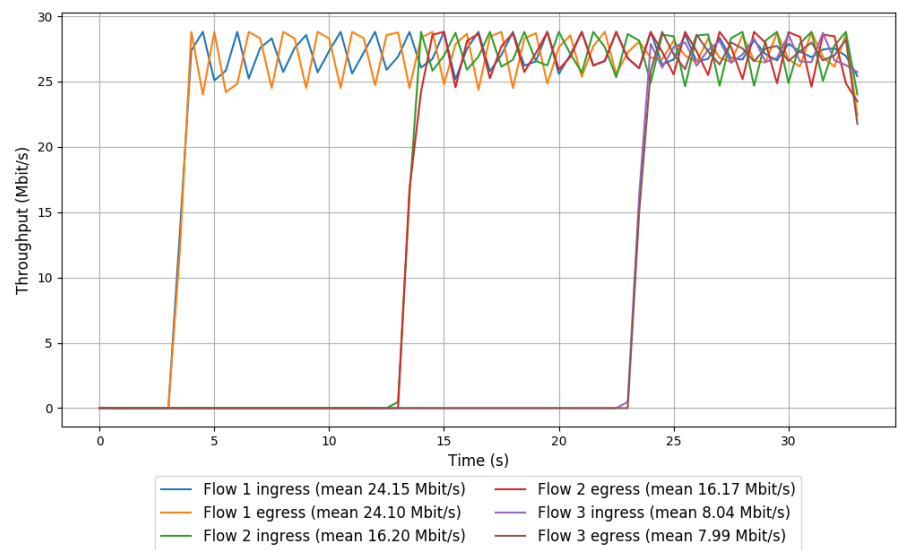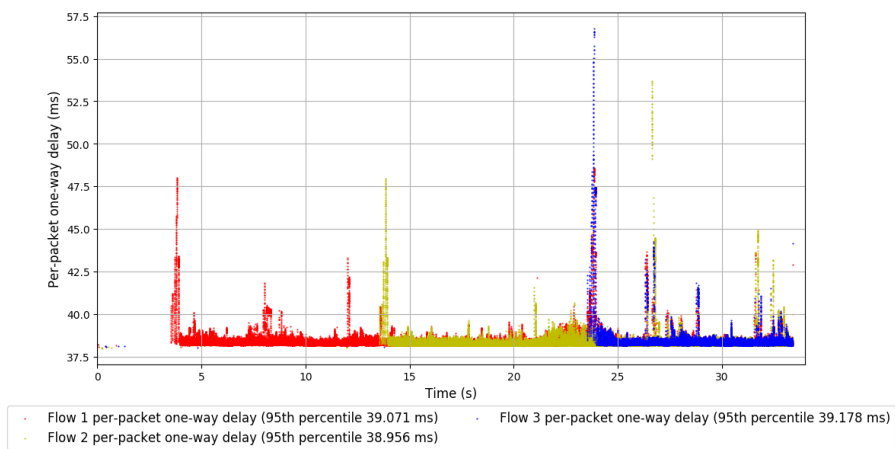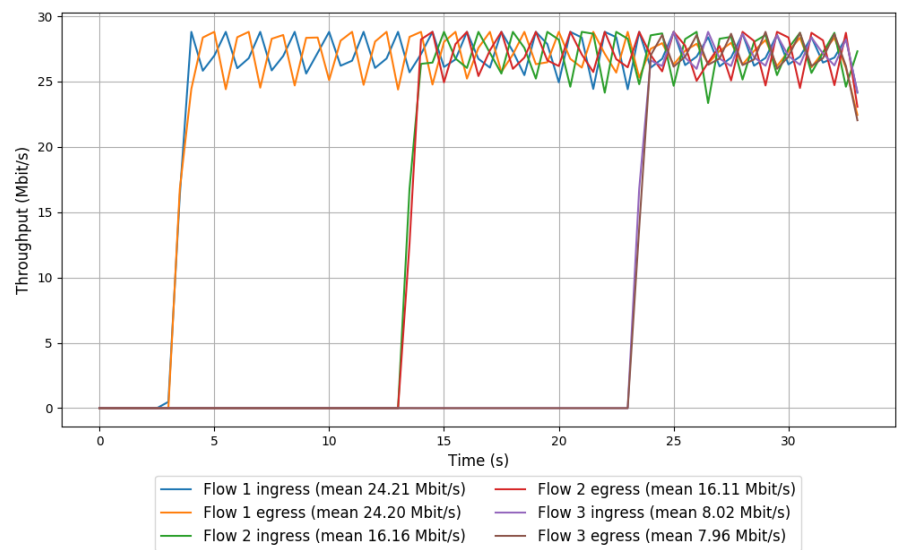
Run 5: Report of Saturator — Data Link

Flow 1 ingress (mean 24.07 Mbit/s)
Flow 1 egress (mean 23.99 Mbit/s)
Flow 2 ingress (mean 16.12 Mbit/s)
Flow 2 egress (mean 16.09 Mbit/s)
Flow 3 ingress (mean 8.09 Mbit/s)
Flow 3 egress (mean 8.03 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 39.778 ms)
Flow 2 per-packet one-way delay (95th percentile 39.290 ms)
Flow 3 per-packet one-way delay (95th percentile 39.619 ms)

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```
Run 6: Statistics of Saturator

Start at: Sat, 01 Jul 2017 14:17:27 +0000
End at: Sat, 01 Jul 2017 14:17:57 +0000
Local clock offset: 0.553 ms
Remote clock offset: -2.669 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:23 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.06 Mbit/s
95th percentile per-packet one-way delay: 39.674 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 39.542 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 16.24 Mbit/s
95th percentile per-packet one-way delay: 38.700 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 7.93 Mbit/s
95th percentile per-packet one-way delay: 42.301 ms
Loss rate: 1.05%
```

Run 6: Report of Saturator — Data Link

```
Run 7: Statistics of Saturator

Start at: Sat, 01 Jul 2017 14:38:03 +0000
End at: Sat, 01 Jul 2017 14:38:33 +0000
Local clock offset: 0.259 ms
Remote clock offset: -3.032 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.08 Mbit/s
95th percentile per-packet one-way delay: 38.840 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 38.858 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 16.17 Mbit/s
95th percentile per-packet one-way delay: 38.832 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 38.791 ms
Loss rate: 0.86%
```
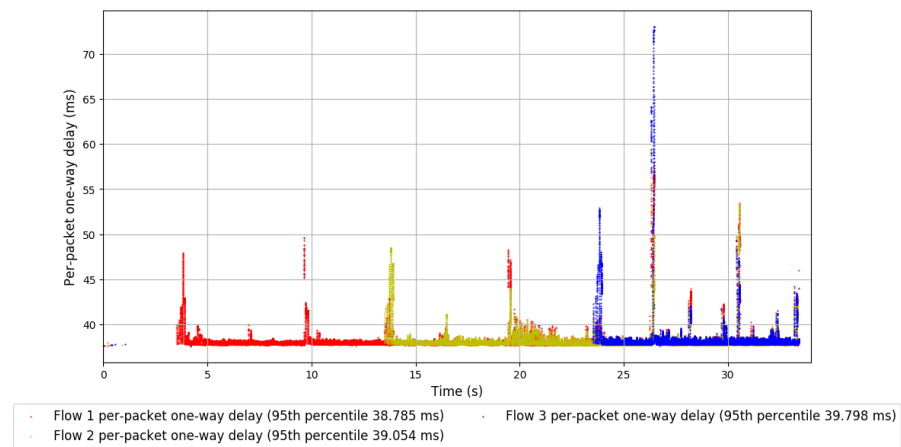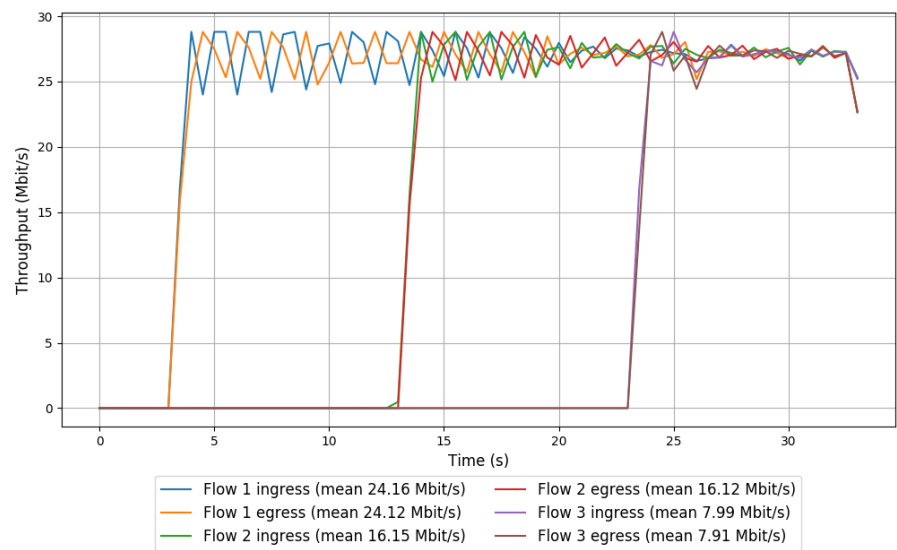
Run 7: Report of Saturator — Data Link

- Flow 1 ingress (mean 24.15 Mbit/s)
- Flow 1 egress (mean 24.10 Mbit/s)
- Flow 2 ingress (mean 16.20 Mbit/s)
- Flow 2 egress (mean 16.17 Mbit/s)
- Flow 3 ingress (mean 8.04 Mbit/s)
- Flow 3 egress (mean 7.99 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 38.858 ms)
- Flow 2 per-packet one-way delay (95th percentile 38.832 ms)
- Flow 3 per-packet one-way delay (95th percentile 38.791 ms)

```
Run 8: Statistics of Saturator

Start at: Sat, 01 Jul 2017 14:58:42 +0000
End at: Sat, 01 Jul 2017 14:59:12 +0000
Local clock offset: 0.1 ms
Remote clock offset: -1.043 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:31 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.09 Mbit/s
95th percentile per-packet one-way delay: 39.060 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 39.071 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 16.11 Mbit/s
95th percentile per-packet one-way delay: 38.956 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 39.178 ms
Loss rate: 0.90%
```
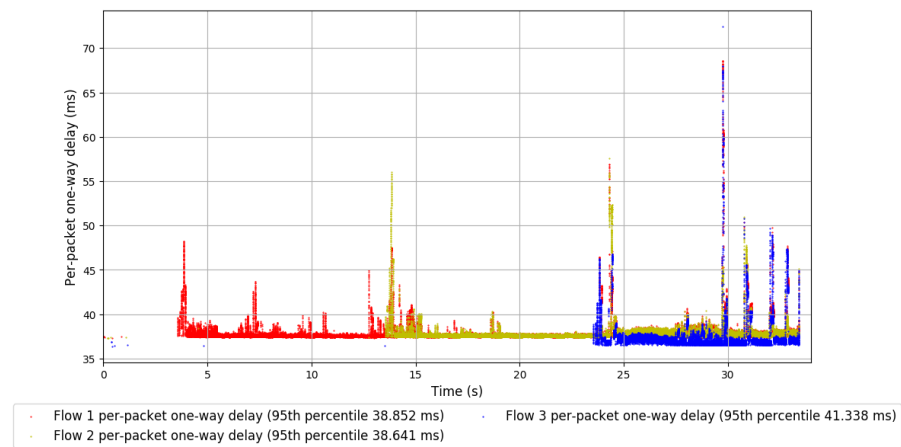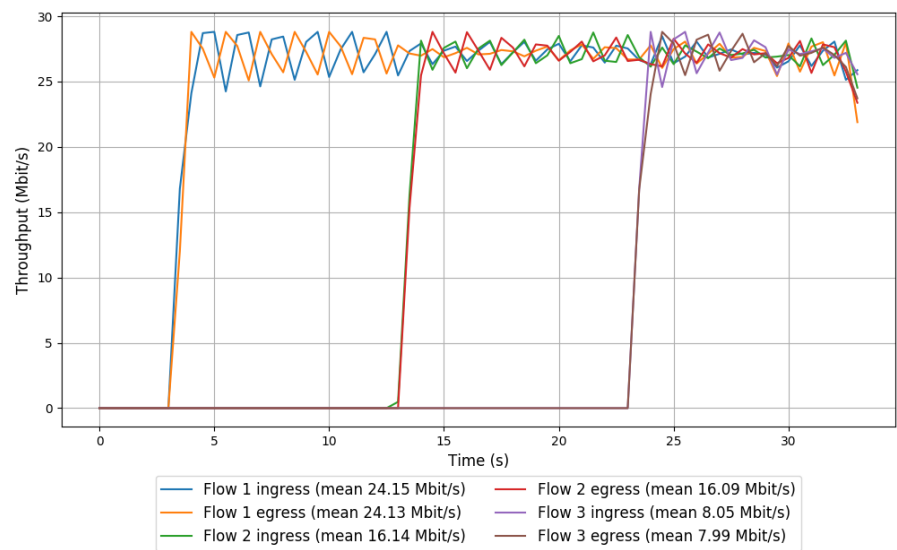
Run 8: Report of Saturator — Data Link

```
Run 9: Statistics of Saturator

Start at: Sat, 01 Jul 2017 15:19:21 +0000
End at: Sat, 01 Jul 2017 15:19:51 +0000
Local clock offset: 0.225 ms
Remote clock offset: -3.48 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:35 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.98 Mbit/s
95th percentile per-packet one-way delay: 38.958 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: 38.785 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 39.054 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 7.91 Mbit/s
95th percentile per-packet one-way delay: 39.798 ms
Loss rate: 1.18%
```
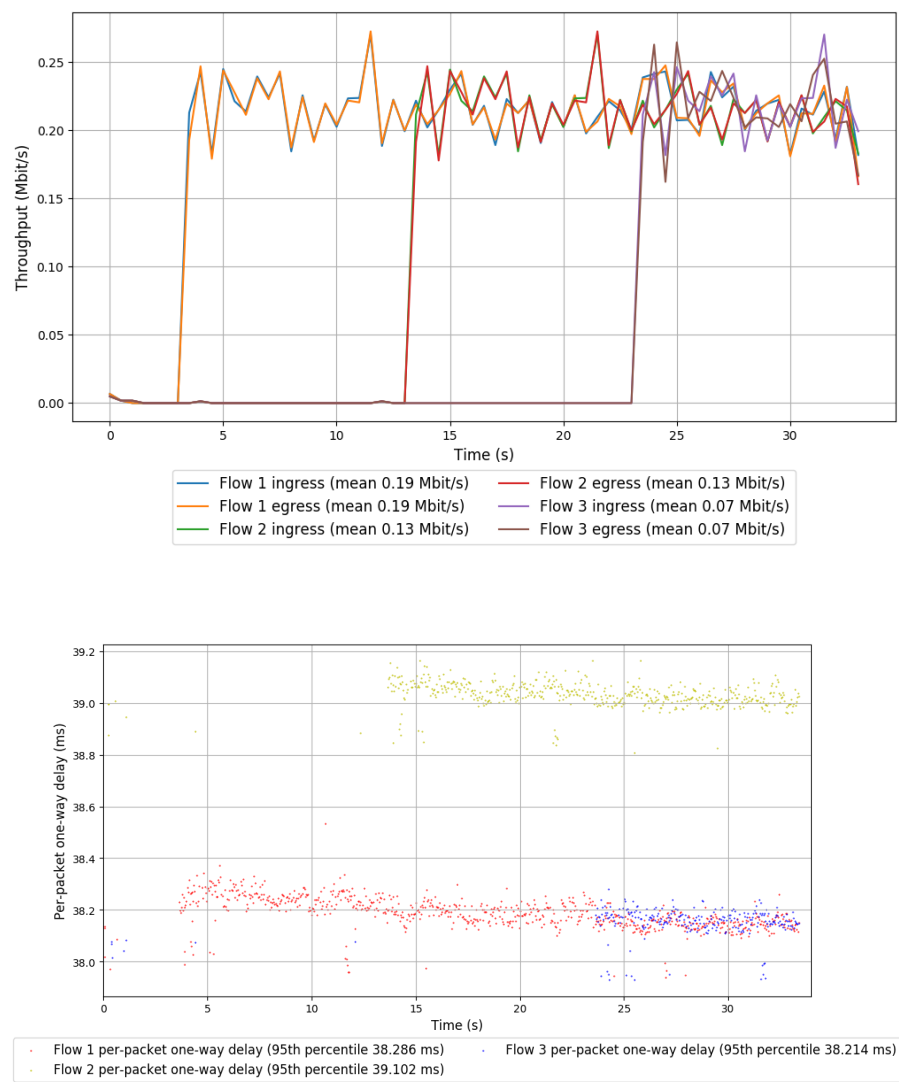
Run 9: Report of Saturator — Data Link

```
Run 10: Statistics of Saturator

Start at: Sat, 01 Jul 2017 15:40:02 +0000
End at: Sat, 01 Jul 2017 15:40:32 +0000
Local clock offset: 0.177 ms
Remote clock offset: -2.011 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.04 Mbit/s
95th percentile per-packet one-way delay: 39.027 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 38.852 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 16.09 Mbit/s
95th percentile per-packet one-way delay: 38.641 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 41.338 ms
Loss rate: 0.89%
```
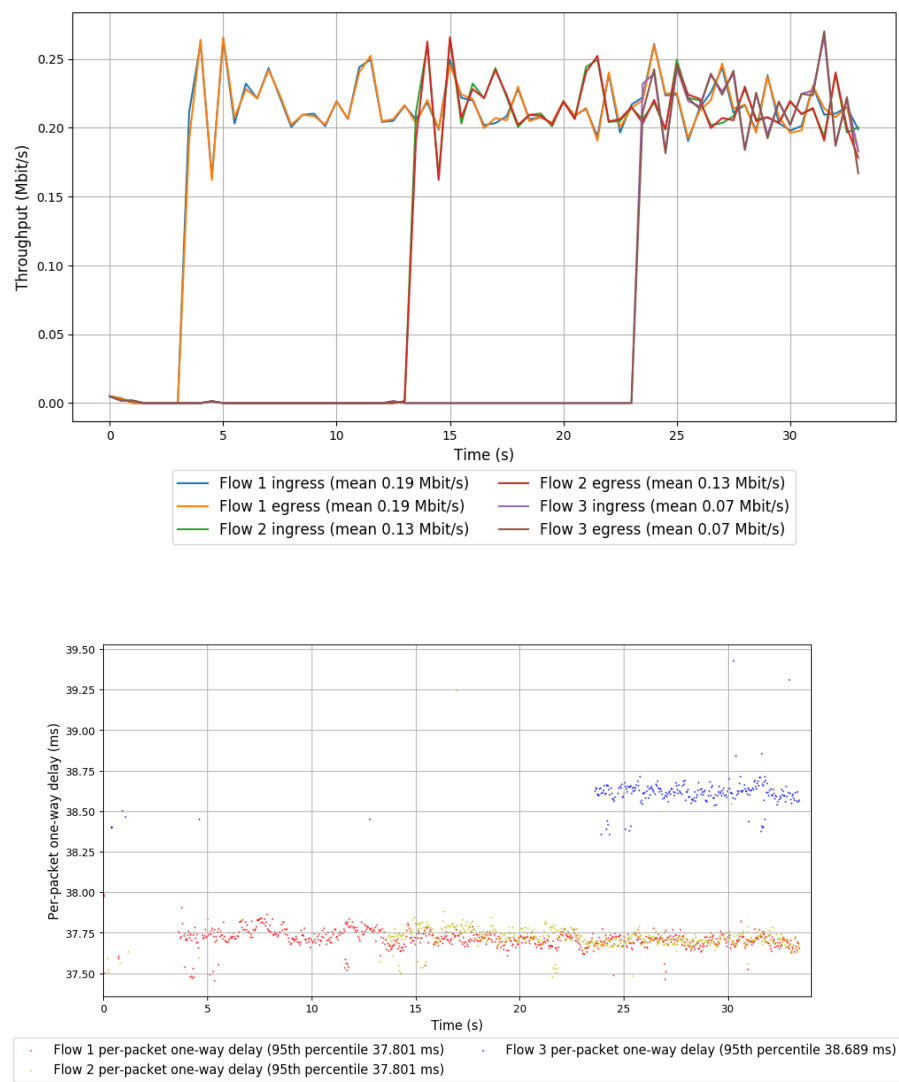
Run 10: Report of Saturator — Data Link

Flow 1 ingress (mean 24.15 Mbit/s)
Flow 1 egress (mean 24.13 Mbit/s)
Flow 2 ingress (mean 16.14 Mbit/s)
Flow 2 egress (mean 16.09 Mbit/s)
Flow 3 ingress (mean 8.05 Mbit/s)
Flow 3 egress (mean 7.99 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 38.852 ms)
Flow 2 per-packet one-way delay (95th percentile 38.641 ms)
Flow 3 per-packet one-way delay (95th percentile 41.338 ms)

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```
Run 1: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 12:35:24 +0000
End at: Sat, 01 Jul 2017 12:35:54 +0000
Local clock offset: 0.568 ms
Remote clock offset: -1.747 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 39.076 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 38.286 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 39.102 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 38.214 ms
Loss rate: 1.10%
```
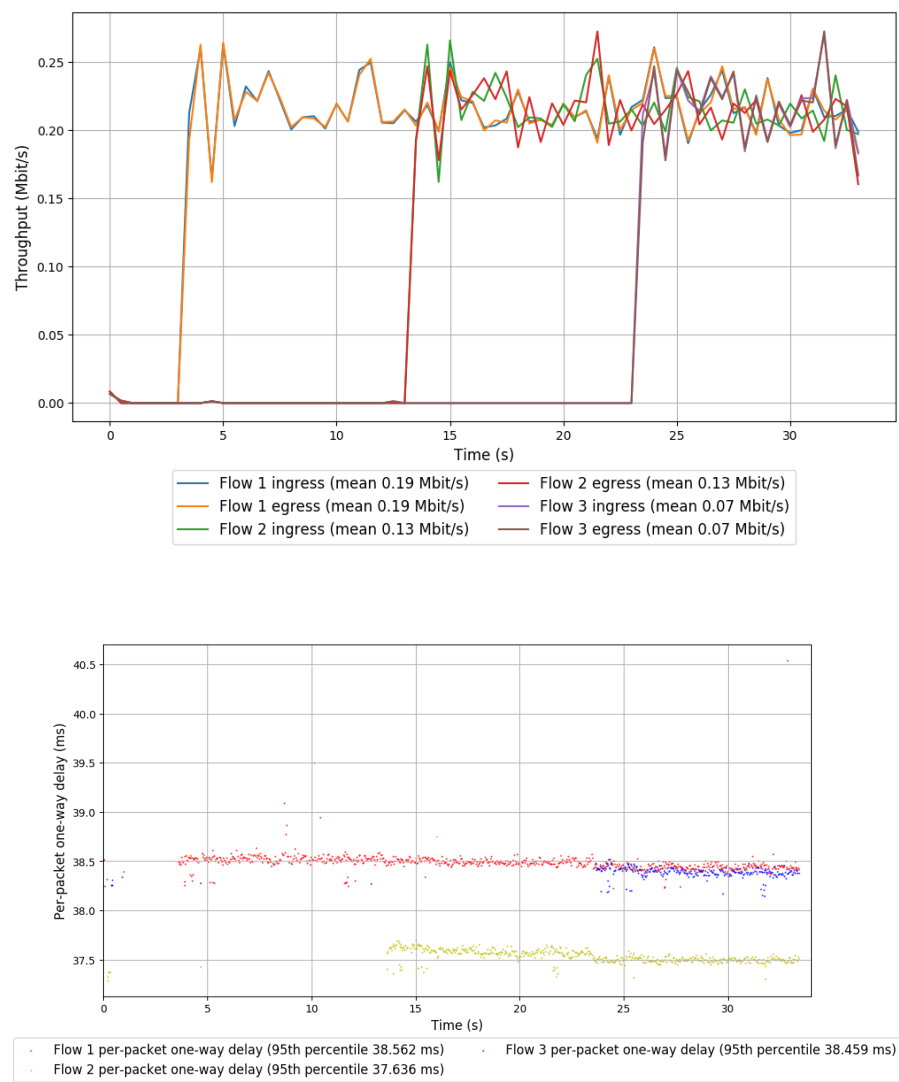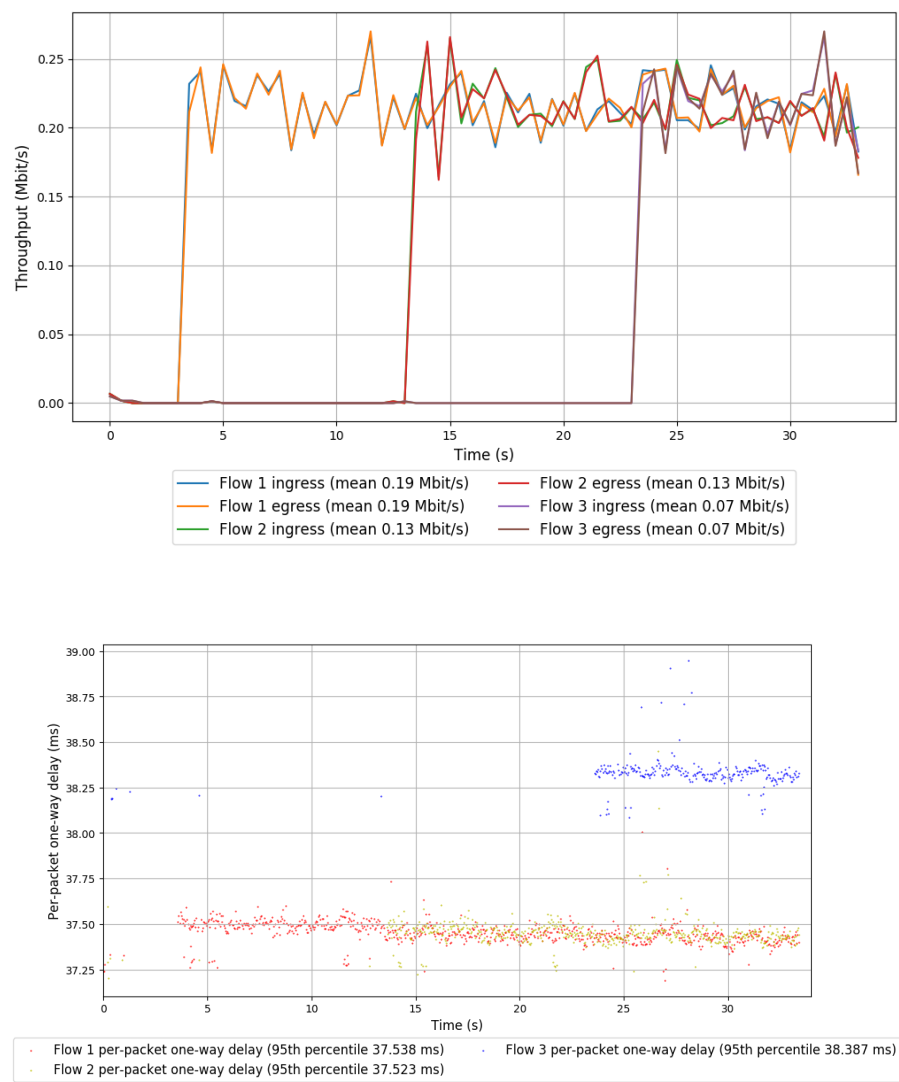
Run 1: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.19 Mbit/s)   Flow 2 egress (mean 0.13 Mbit/s)
Flow 1 egress (mean 0.19 Mbit/s)   Flow 3 ingress (mean 0.07 Mbit/s)
Flow 2 ingress (mean 0.13 Mbit/s)   Flow 3 egress (mean 0.07 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 38.286 ms)   Flow 3 per-packet one-way delay (95th percentile 38.214 ms)
Flow 2 per-packet one-way delay (95th percentile 39.102 ms)

```
Run 2: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 12:56:07 +0000
End at: Sat, 01 Jul 2017 12:56:37 +0000
Local clock offset: 0.826 ms
Remote clock offset: -1.999 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 38.639 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 37.801 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 37.801 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 38.689 ms
Loss rate: 0.73%
```

Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 13:16:56 +0000
End at: Sat, 01 Jul 2017 13:17:26 +0000
Local clock offset: 0.707 ms
Remote clock offset: -2.588 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 38.548 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 38.562 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 37.636 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 38.459 ms
Loss rate: 0.75%
```
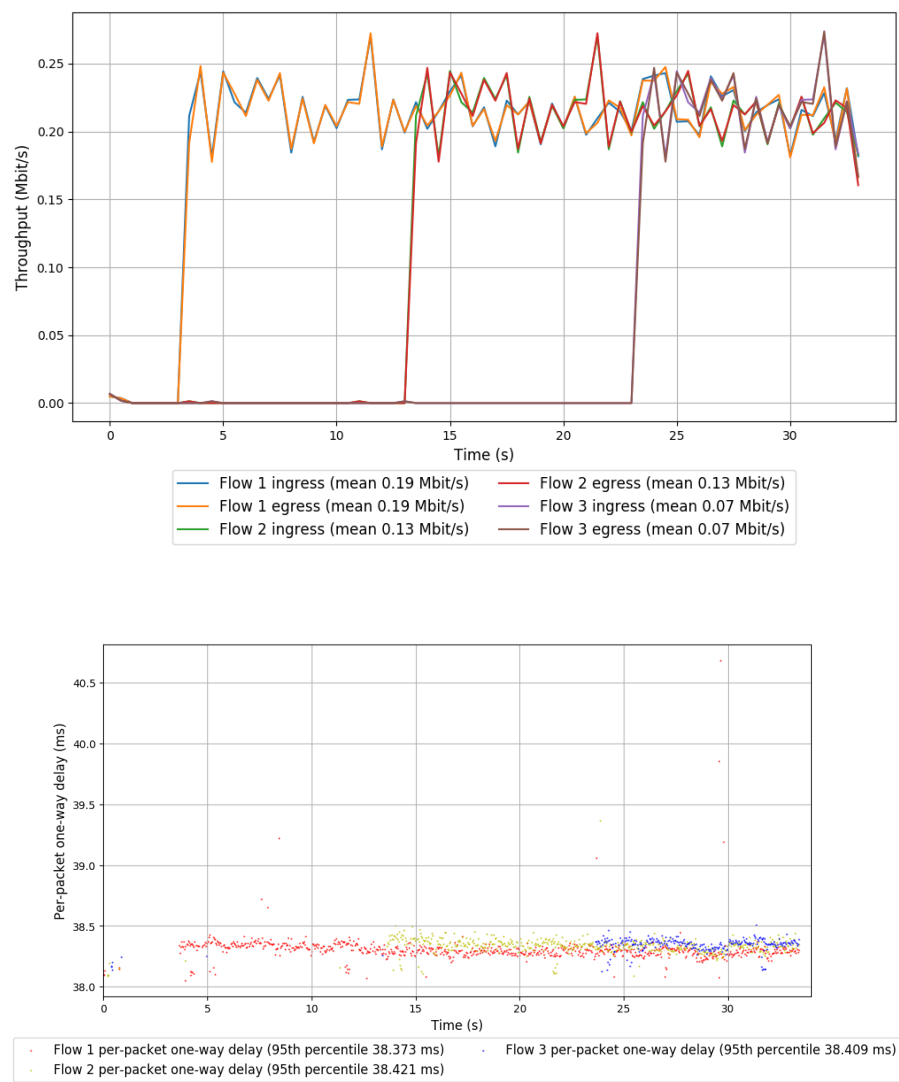
Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 13:37:38 +0000
End at: Sat, 01 Jul 2017 13:38:08 +0000
Local clock offset: 0.659 ms
Remote clock offset: -2.445 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 38.345 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 37.538 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 37.523 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 38.387 ms
Loss rate: 0.73%
```
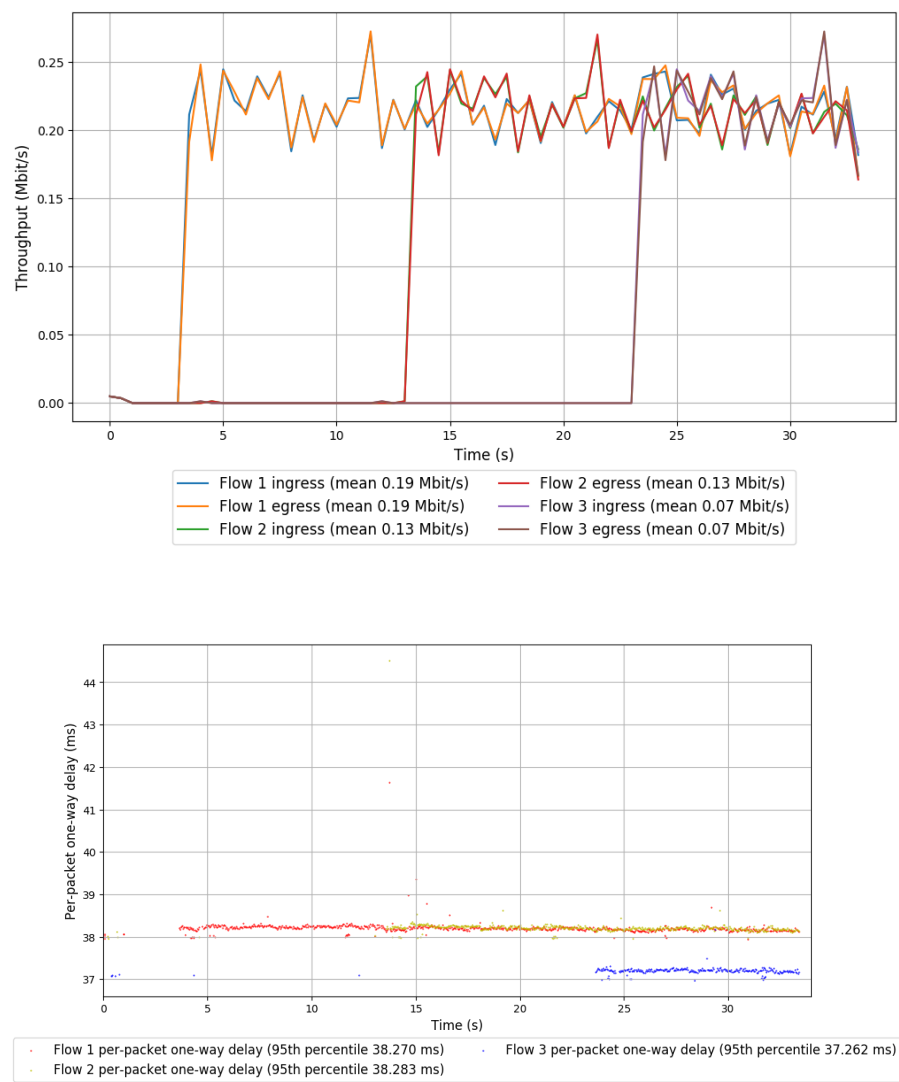
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 13:58:16 +0000
End at: Sat, 01 Jul 2017 13:58:46 +0000
Local clock offset: 0.645 ms
Remote clock offset: -2.637 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 38.404 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 38.373 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 38.421 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 38.409 ms
Loss rate: 0.75%
```
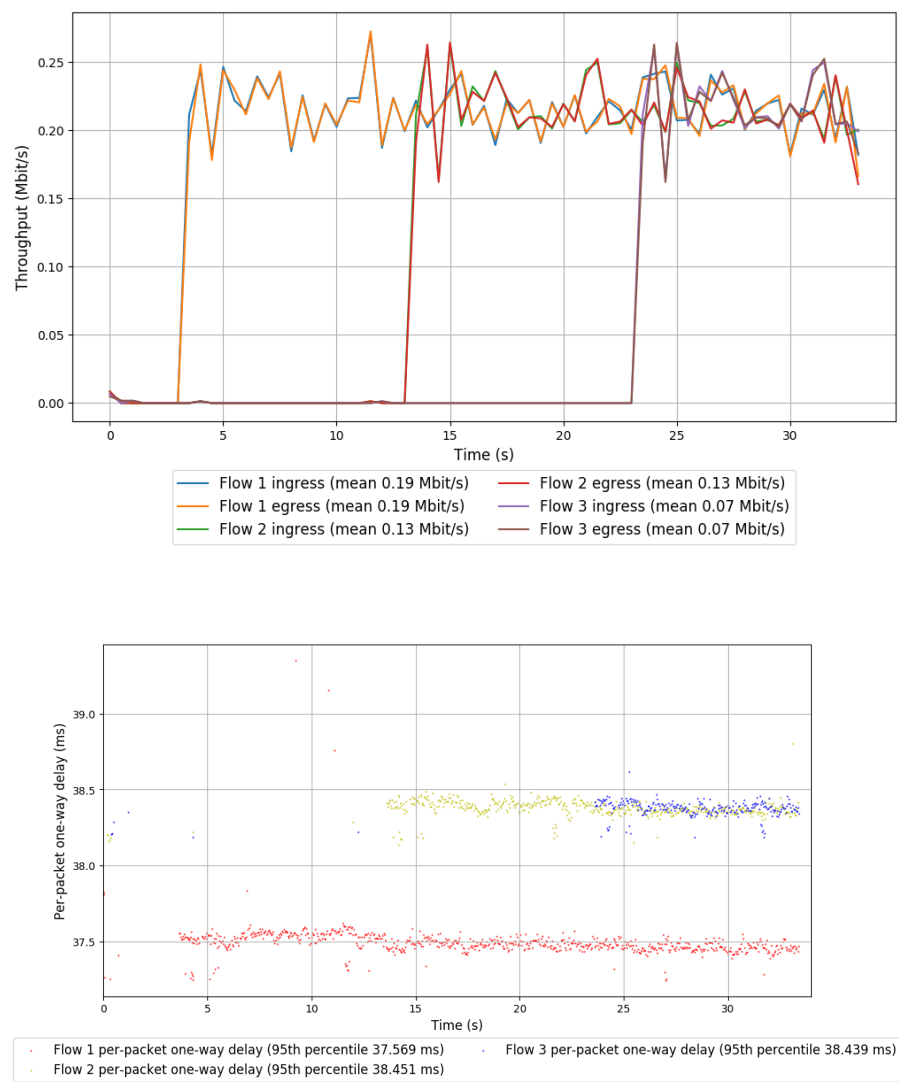
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 14:18:50 +0000
End at: Sat, 01 Jul 2017 14:19:20 +0000
Local clock offset: 0.457 ms
Remote clock offset: -2.754 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 38.271 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 38.270 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 38.283 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 37.262 ms
Loss rate: 0.75%
```
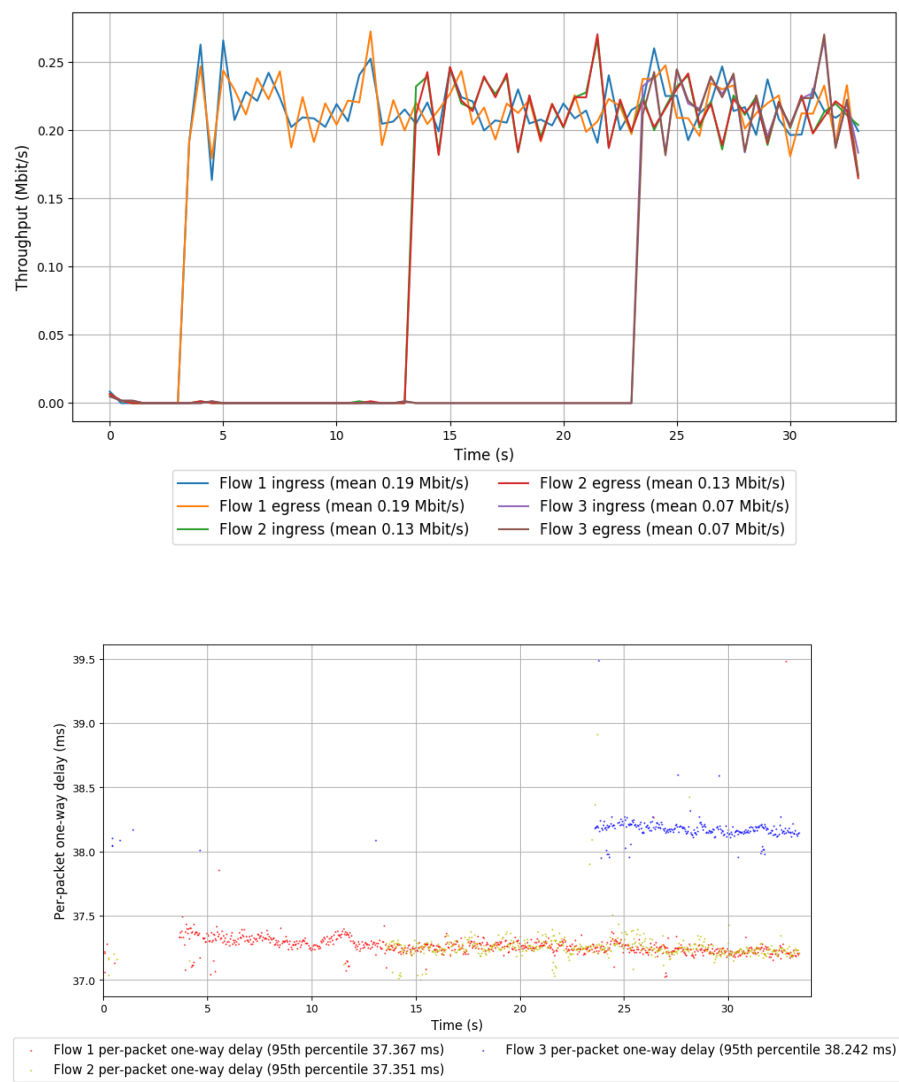
Run 6: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.19 Mbit/s)
Flow 1 egress (mean 0.19 Mbit/s)
Flow 2 ingress (mean 0.13 Mbit/s)
Flow 2 egress (mean 0.13 Mbit/s)
Flow 3 ingress (mean 0.07 Mbit/s)
Flow 3 egress (mean 0.07 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 38.270 ms)
Flow 2 per-packet one-way delay (95th percentile 38.283 ms)
Flow 3 per-packet one-way delay (95th percentile 37.262 ms)

```
Run 7: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 14:39:26 +0000
End at: Sat, 01 Jul 2017 14:39:56 +0000
Local clock offset: 0.237 ms
Remote clock offset: -0.656 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 38.435 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 37.569 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 38.451 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 38.439 ms
Loss rate: 0.73%
```
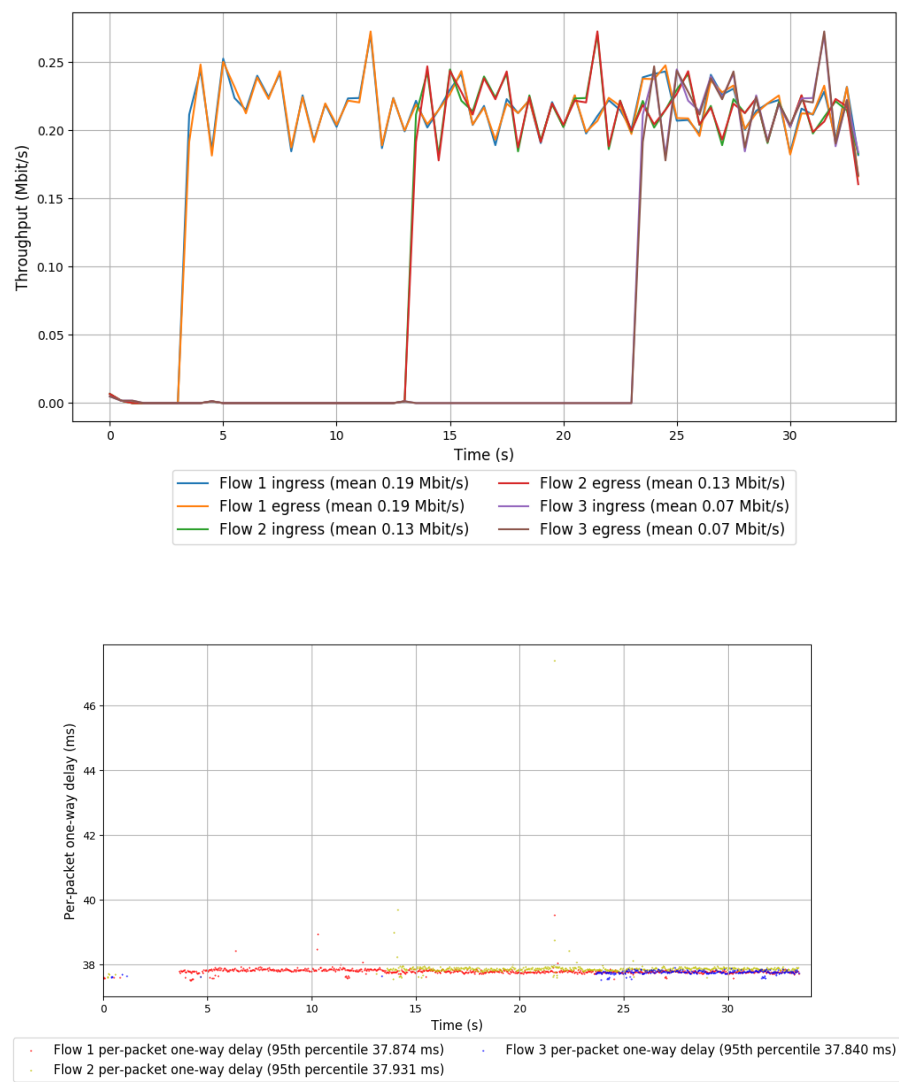
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 15:00:04 +0000
End at: Sat, 01 Jul 2017 15:00:34 +0000
Local clock offset: 0.082 ms
Remote clock offset: -0.695 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 38.196 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 37.367 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 37.351 ms
Loss rate: 0.62%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 38.242 ms
Loss rate: 0.73%
```
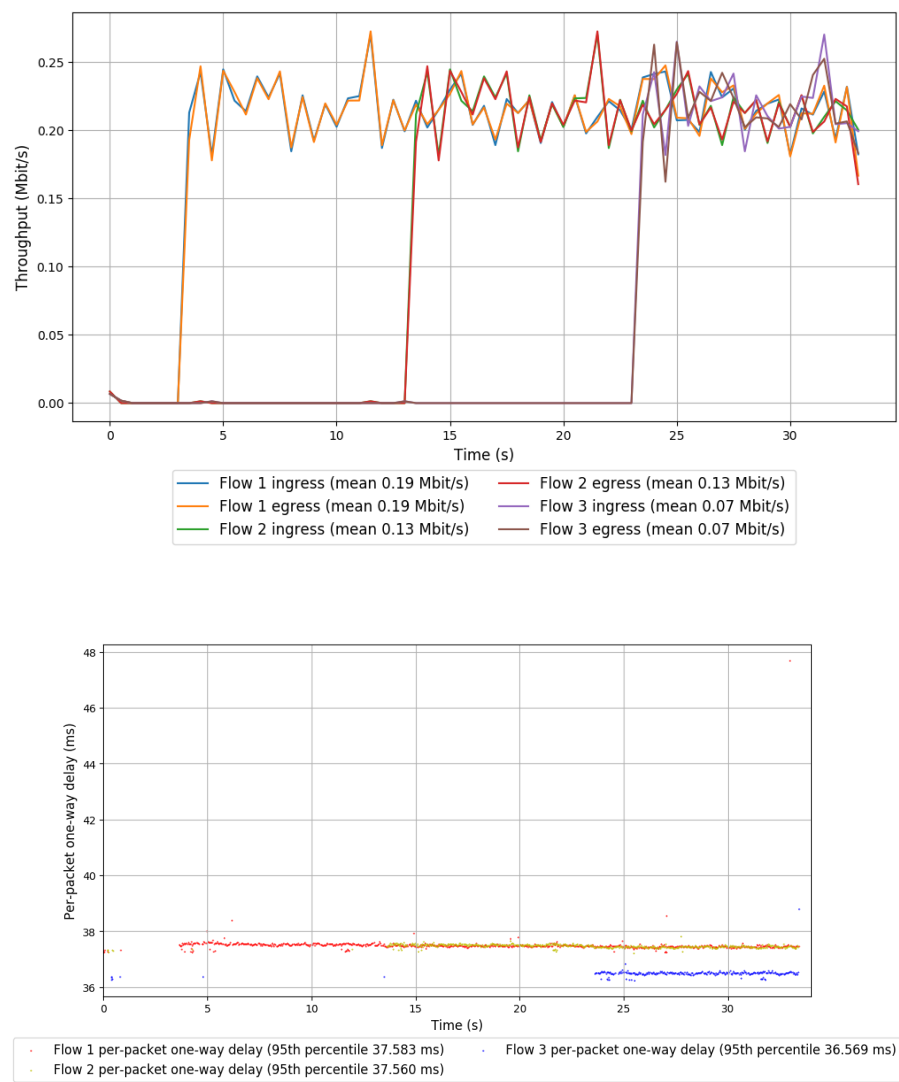
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 15:20:43 +0000
End at: Sat, 01 Jul 2017 15:21:13 +0000
Local clock offset: 0.13 ms
Remote clock offset: -3.954 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 37.910 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 37.874 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 37.931 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 37.840 ms
Loss rate: 0.75%
```
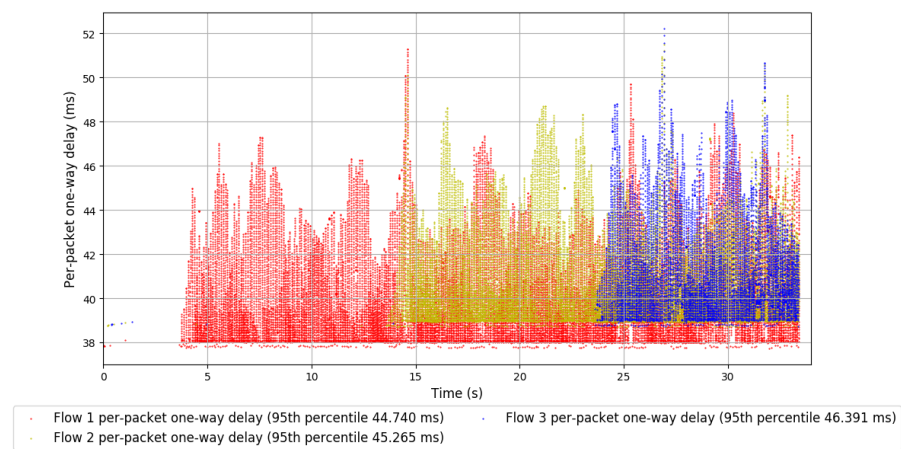
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 15:41:24 +0000
End at: Sat, 01 Jul 2017 15:41:54 +0000
Local clock offset: 0.271 ms
Remote clock offset: -1.62 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 37.569 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 37.583 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 37.560 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 36.569 ms
Loss rate: 0.73%
```
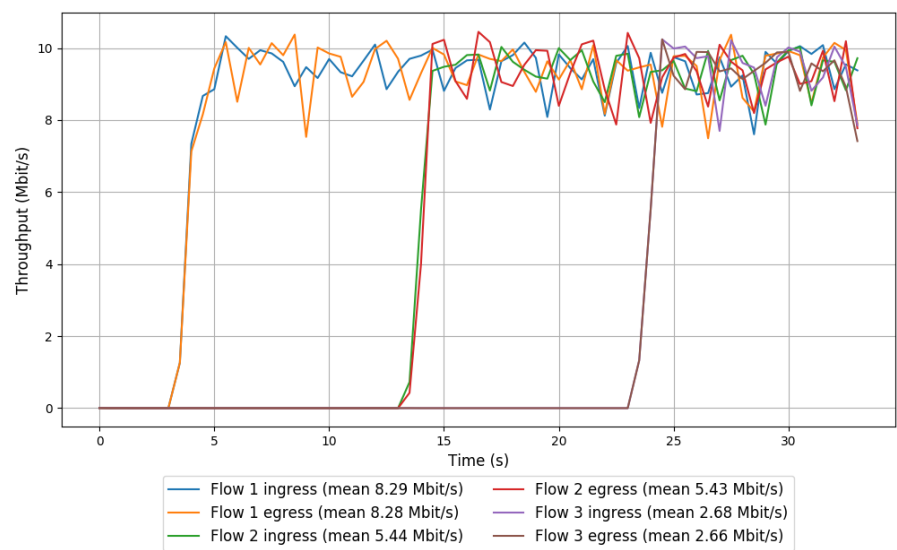
Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of Sprout

Start at: Sat, 01 Jul 2017 12:39:32 +0000
End at: Sat, 01 Jul 2017 12:40:02 +0000
Local clock offset: 0.6 ms
Remote clock offset: -1.771 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:47 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 45.190 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 8.28 Mbit/s
95th percentile per-packet one-way delay: 44.740 ms
Loss rate: 0.32%
-- Flow 2:
Average throughput: 5.43 Mbit/s
95th percentile per-packet one-way delay: 45.265 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 46.391 ms
Loss rate: 0.94%
```
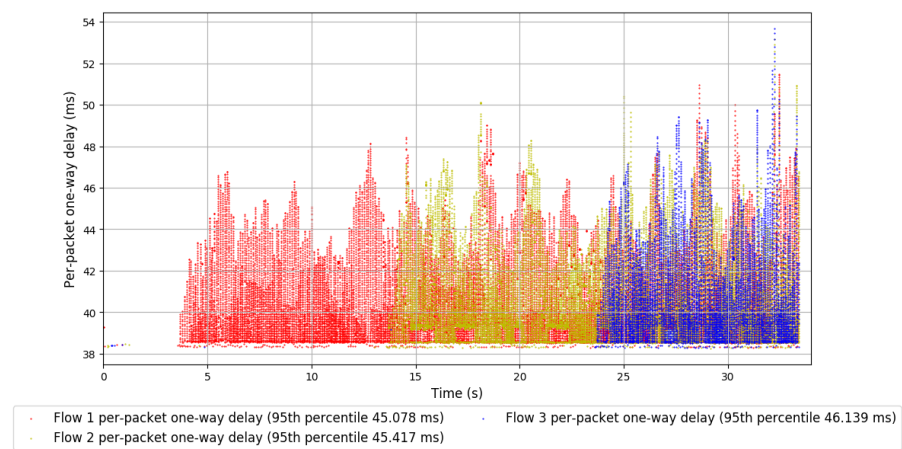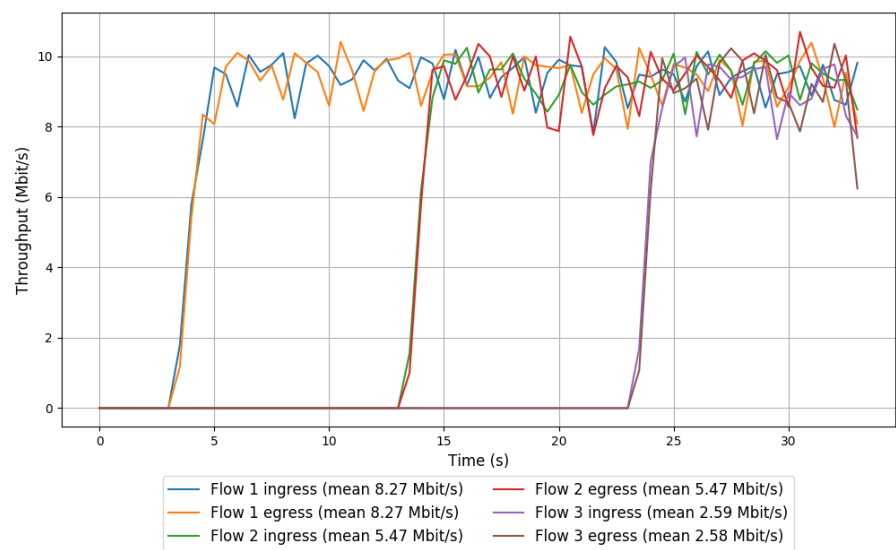
Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: Sat, 01 Jul 2017 13:00:17 +0000
End at: Sat, 01 Jul 2017 13:00:47 +0000
Local clock offset: 0.716 ms
Remote clock offset: -2.069 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 45.328 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 45.078 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 45.417 ms
Loss rate: 0.22%
-- Flow 3:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 46.139 ms
Loss rate: 0.91%
```
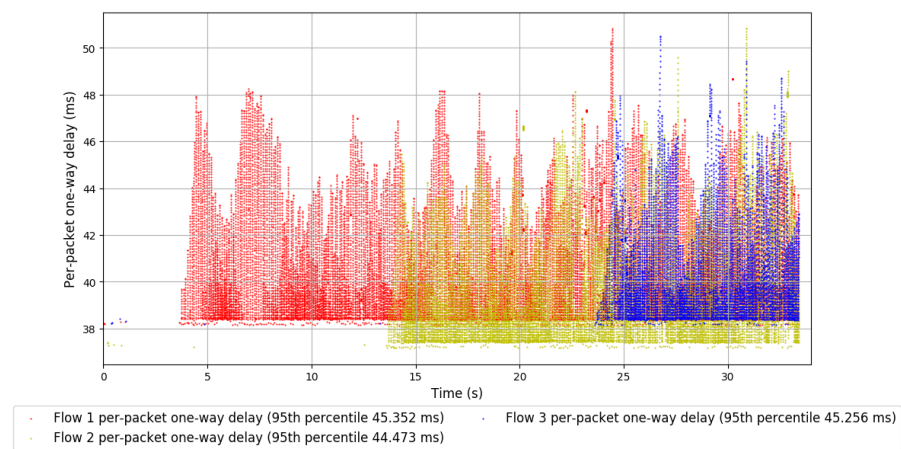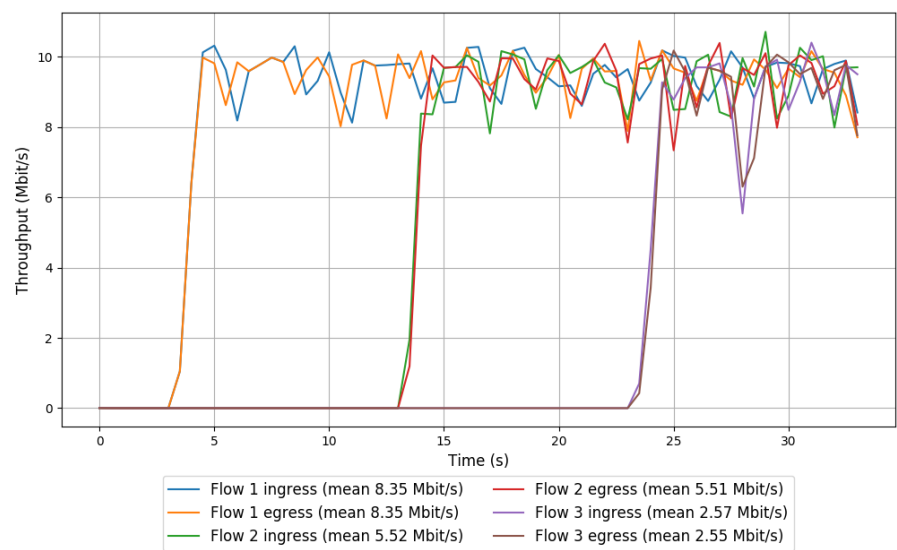
Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 8.27 Mbit/s)
Flow 1 egress (mean 8.27 Mbit/s)
Flow 2 ingress (mean 5.47 Mbit/s)
Flow 2 egress (mean 5.47 Mbit/s)
Flow 3 ingress (mean 2.59 Mbit/s)
Flow 3 egress (mean 2.58 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 45.078 ms)
Flow 2 per-packet one-way delay (95th percentile 45.417 ms)
Flow 3 per-packet one-way delay (95th percentile 46.139 ms)

207

```
Run 3: Statistics of Sprout

Start at: Sat, 01 Jul 2017 13:21:03 +0000
End at: Sat, 01 Jul 2017 13:21:33 +0000
Local clock offset: 0.785 ms
Remote clock offset: -0.682 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.34 Mbit/s
95th percentile per-packet one-way delay: 45.103 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 45.352 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 44.473 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 45.256 ms
Loss rate: 1.16%
```
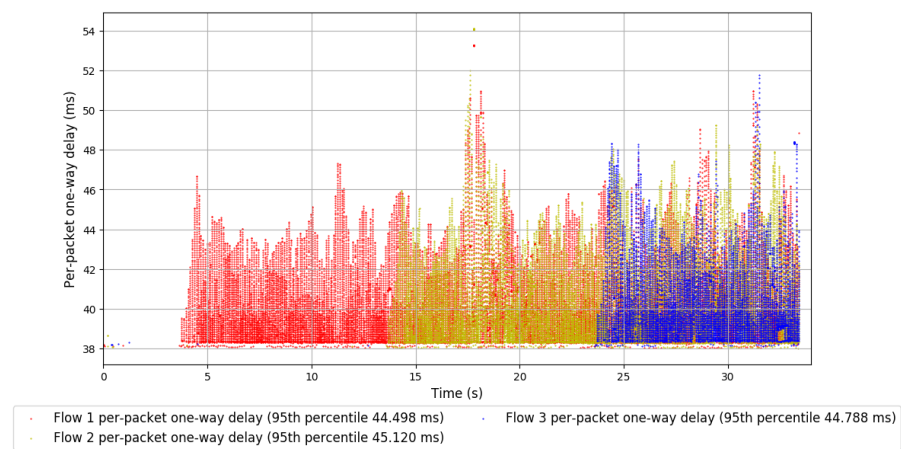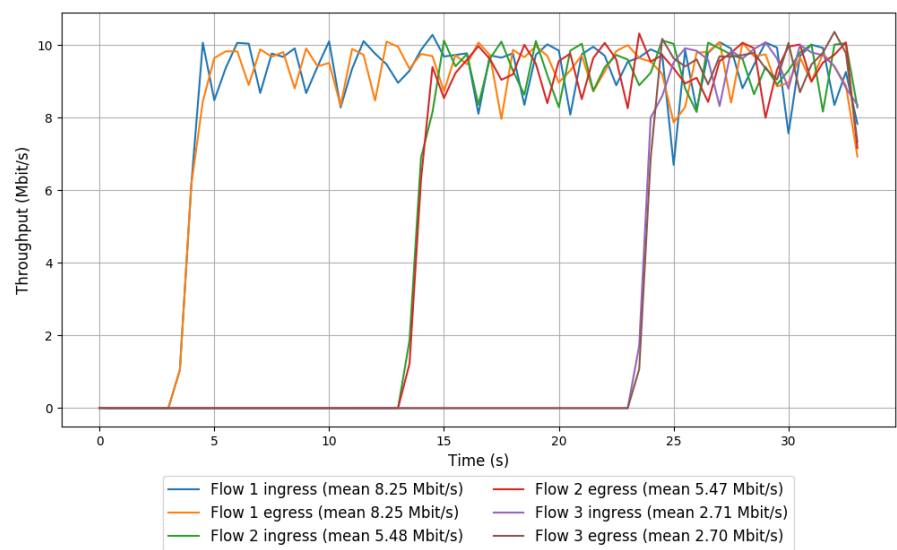
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 8.35 Mbit/s)
Flow 1 egress (mean 8.35 Mbit/s)
Flow 2 ingress (mean 5.52 Mbit/s)
Flow 2 egress (mean 5.51 Mbit/s)
Flow 3 ingress (mean 2.57 Mbit/s)
Flow 3 egress (mean 2.55 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 45.352 ms)
Flow 2 per-packet one-way delay (95th percentile 44.473 ms)
Flow 3 per-packet one-way delay (95th percentile 45.256 ms)

209

```
Run 4: Statistics of Sprout

Start at: Sat, 01 Jul 2017 13:41:45 +0000
End at: Sat, 01 Jul 2017 13:42:15 +0000
Local clock offset: 0.661 ms
Remote clock offset: 0.12 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:53 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.36 Mbit/s
95th percentile per-packet one-way delay: 44.762 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 44.498 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 45.120 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 44.788 ms
Loss rate: 0.57%
```
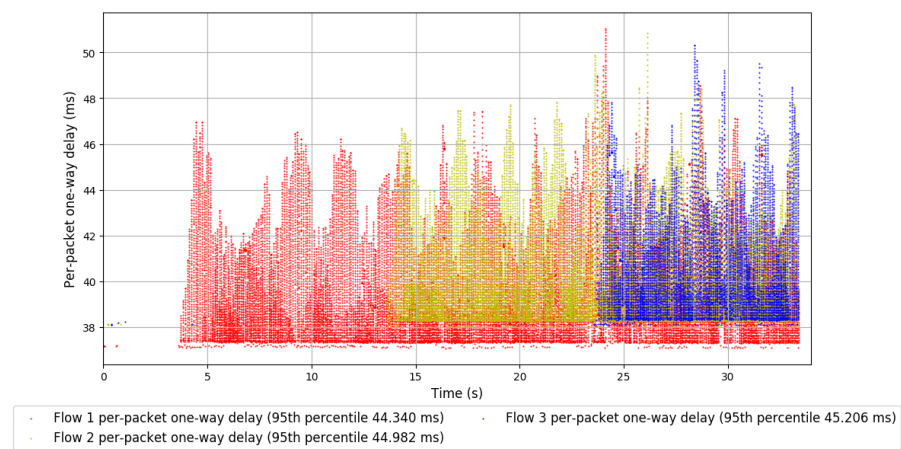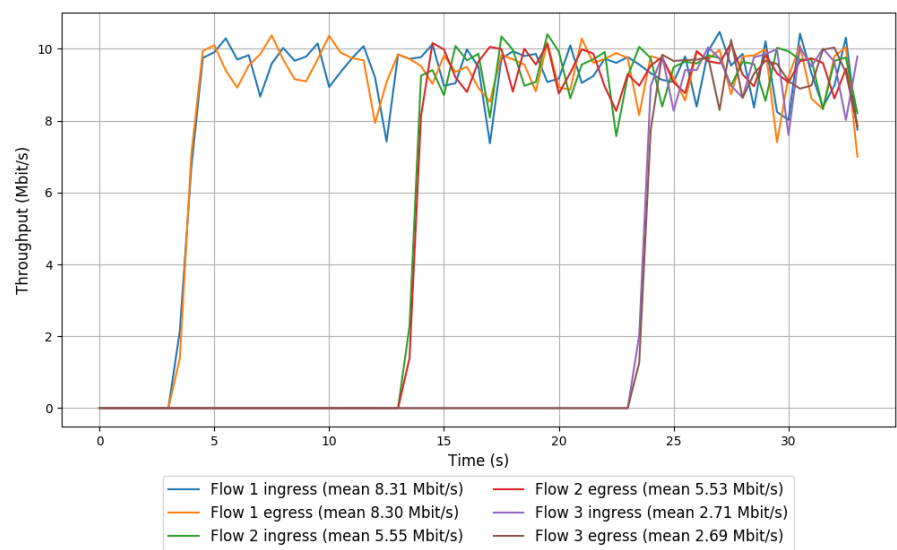
Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 8.25 Mbit/s)
Flow 1 egress (mean 8.25 Mbit/s)
Flow 2 ingress (mean 5.48 Mbit/s)
Flow 2 egress (mean 5.47 Mbit/s)
Flow 3 ingress (mean 2.71 Mbit/s)
Flow 3 egress (mean 2.70 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 44.498 ms)
Flow 2 per-packet one-way delay (95th percentile 45.120 ms)
Flow 3 per-packet one-way delay (95th percentile 44.788 ms)

211

```
Run 5: Statistics of Sprout

Start at: Sat, 01 Jul 2017 14:02:15 +0000
End at: Sat, 01 Jul 2017 14:02:45 +0000
Local clock offset: 0.535 ms
Remote clock offset: -0.853 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:55 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.46 Mbit/s
95th percentile per-packet one-way delay: 44.709 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 44.340 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 5.53 Mbit/s
95th percentile per-packet one-way delay: 44.982 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 45.206 ms
Loss rate: 1.08%
```
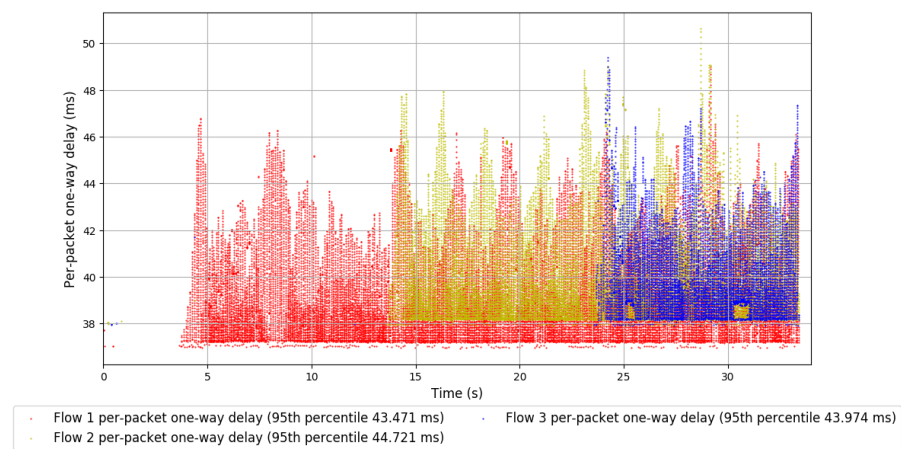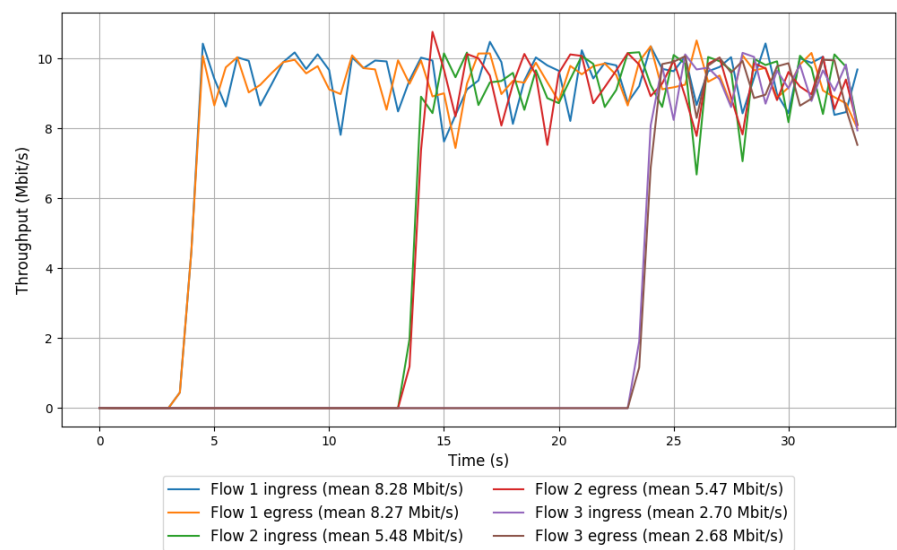
Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 8.31 Mbit/s)
Flow 1 egress (mean 8.30 Mbit/s)
Flow 2 ingress (mean 5.55 Mbit/s)
Flow 2 egress (mean 5.53 Mbit/s)
Flow 3 ingress (mean 2.71 Mbit/s)
Flow 3 egress (mean 2.69 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 44.340 ms)
Flow 2 per-packet one-way delay (95th percentile 44.982 ms)
Flow 3 per-packet one-way delay (95th percentile 45.206 ms)

```
Run 6: Statistics of Sprout

Start at: Sat, 01 Jul 2017 14:22:58 +0000
End at: Sat, 01 Jul 2017 14:23:28 +0000
Local clock offset: 0.547 ms
Remote clock offset: -2.874 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 44.024 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 8.27 Mbit/s
95th percentile per-packet one-way delay: 43.471 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 44.721 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 43.974 ms
Loss rate: 1.07%
```
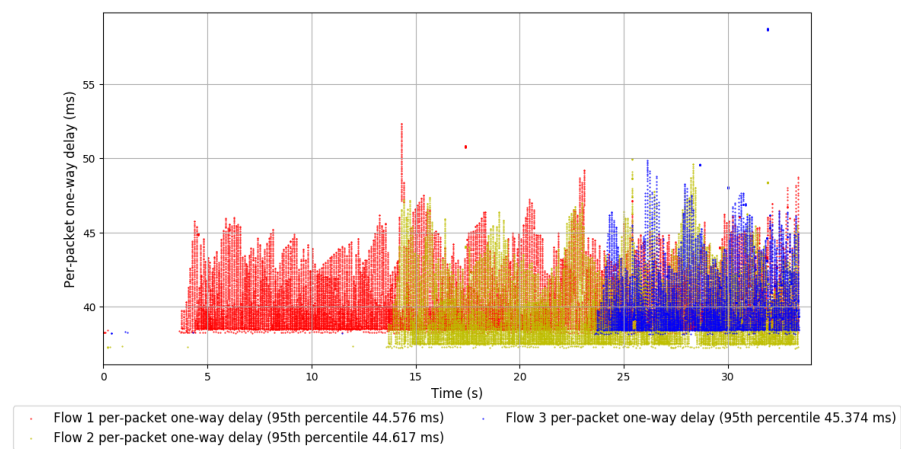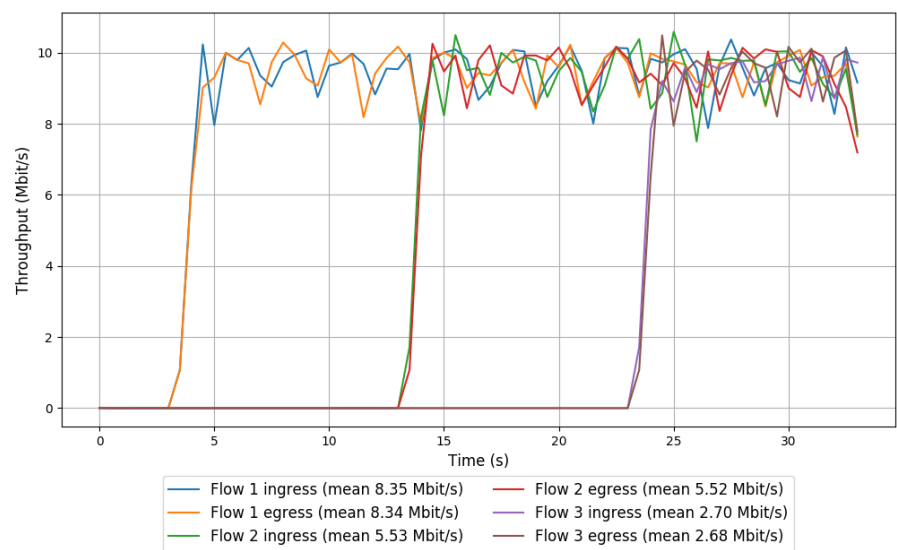
Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 8.28 Mbit/s)
Flow 1 egress (mean 8.27 Mbit/s)
Flow 2 ingress (mean 5.48 Mbit/s)
Flow 2 egress (mean 5.47 Mbit/s)
Flow 3 ingress (mean 2.70 Mbit/s)
Flow 3 egress (mean 2.68 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 43.471 ms)
Flow 2 per-packet one-way delay (95th percentile 44.721 ms)
Flow 3 per-packet one-way delay (95th percentile 43.974 ms)

215

```
Run 7: Statistics of Sprout

Start at: Sat, 01 Jul 2017 14:43:33 +0000
End at: Sat, 01 Jul 2017 14:44:03 +0000
Local clock offset: 0.154 ms
Remote clock offset: -3.254 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:06:58 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.48 Mbit/s
95th percentile per-packet one-way delay: 44.730 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 8.34 Mbit/s
95th percentile per-packet one-way delay: 44.576 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 5.52 Mbit/s
95th percentile per-packet one-way delay: 44.617 ms
Loss rate: 0.53%
-- Flow 3:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 45.374 ms
Loss rate: 1.08%
```
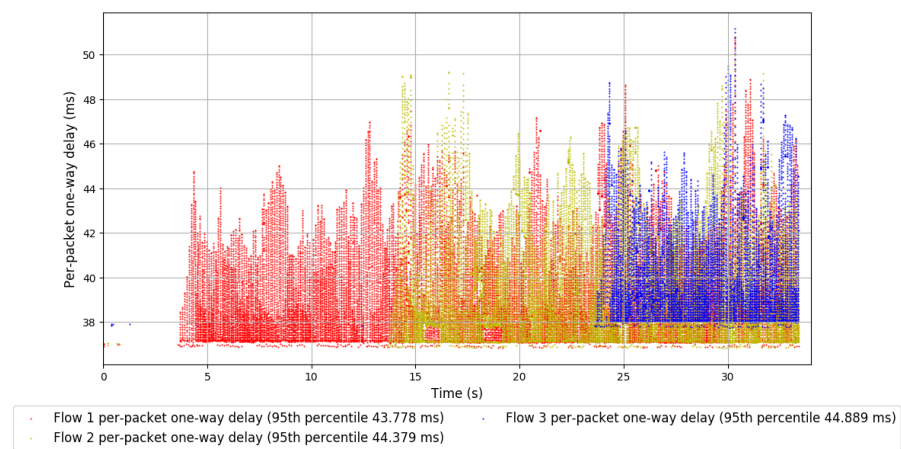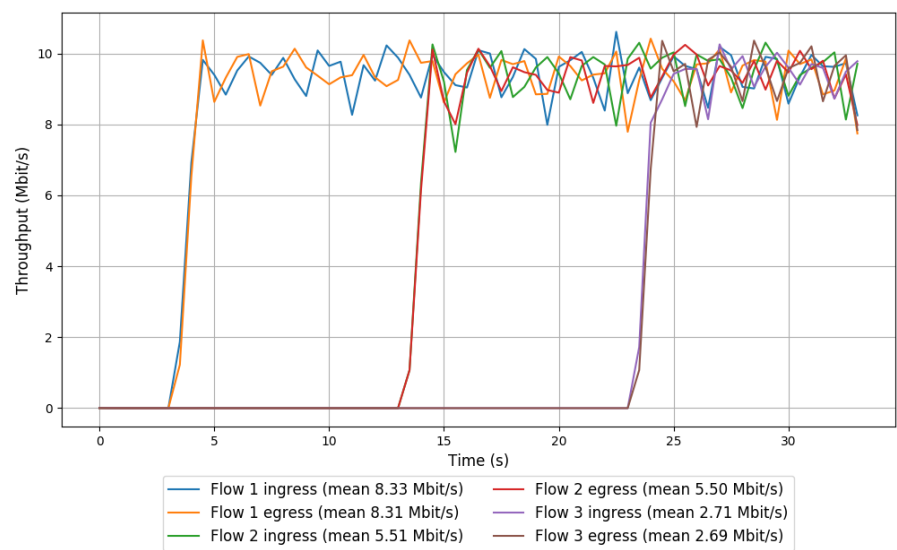
Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: Sat, 01 Jul 2017 15:04:10 +0000
End at: Sat, 01 Jul 2017 15:04:40 +0000
Local clock offset: 0.057 ms
Remote clock offset: -1.551 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:07:00 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.44 Mbit/s
95th percentile per-packet one-way delay: 44.181 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 43.778 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 5.50 Mbit/s
95th percentile per-packet one-way delay: 44.379 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 44.889 ms
Loss rate: 1.08%
```
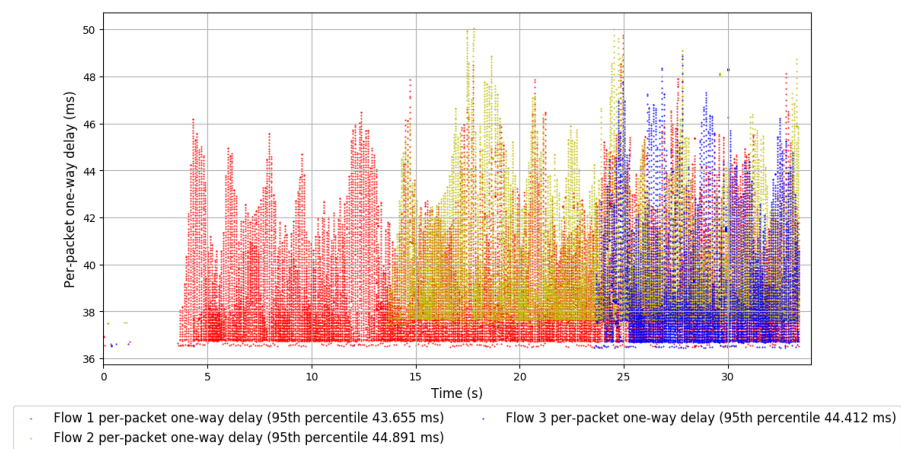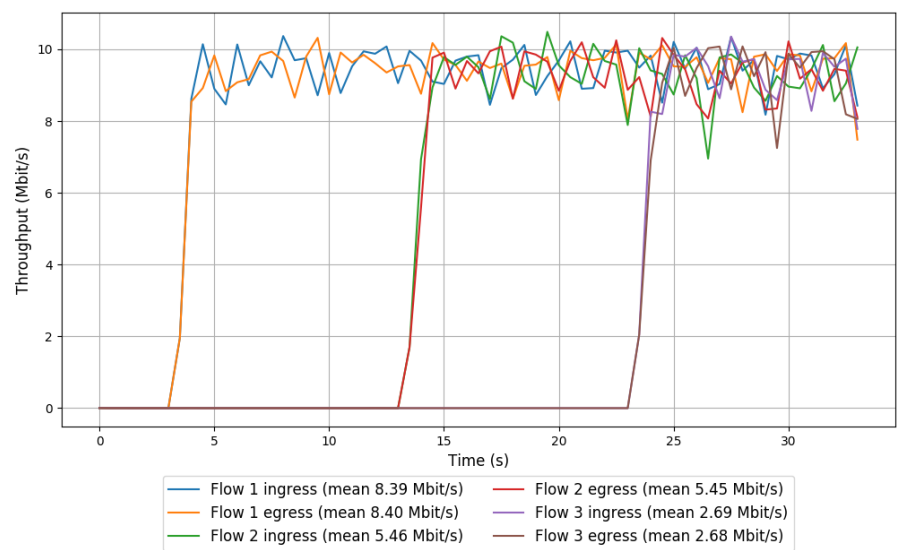
Run 8: Report of Sprout — Data Link

- Flow 1 ingress (mean 8.33 Mbit/s)
- Flow 1 egress (mean 8.31 Mbit/s)
- Flow 2 ingress (mean 5.51 Mbit/s)
- Flow 2 egress (mean 5.50 Mbit/s)
- Flow 3 ingress (mean 2.71 Mbit/s)
- Flow 3 egress (mean 2.69 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 43.778 ms)
- Flow 2 per-packet one-way delay (95th percentile 44.379 ms)
- Flow 3 per-packet one-way delay (95th percentile 44.889 ms)

219

```
Run 9: Statistics of Sprout

Start at: Sat, 01 Jul 2017 15:24:51 +0000
End at: Sat, 01 Jul 2017 15:25:21 +0000
Local clock offset: 0.231 ms
Remote clock offset: -3.948 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:07:02 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.46 Mbit/s
95th percentile per-packet one-way delay: 44.239 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 43.655 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 44.891 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 44.412 ms
Loss rate: 0.71%
```
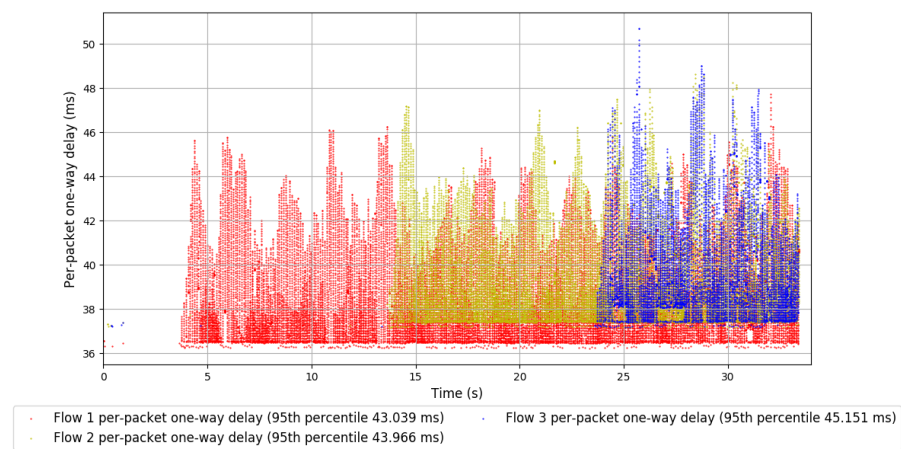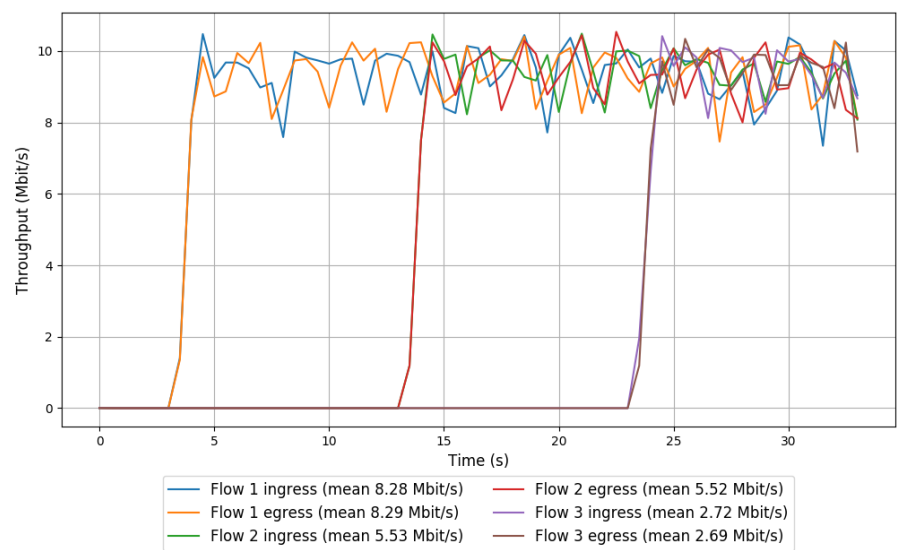
Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 8.39 Mbit/s) Flow 2 egress (mean 5.45 Mbit/s)
Flow 1 egress (mean 8.40 Mbit/s) Flow 3 ingress (mean 2.69 Mbit/s)
Flow 2 ingress (mean 5.46 Mbit/s) Flow 3 egress (mean 2.68 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 43.655 ms) Flow 3 per-packet one-way delay (95th percentile 44.412 ms)
Flow 2 per-packet one-way delay (95th percentile 44.891 ms)

221

```
Run 10: Statistics of Sprout

Start at: Sat, 01 Jul 2017 15:45:31 +0000
End at: Sat, 01 Jul 2017 15:46:01 +0000
Local clock offset: 0.285 ms
Remote clock offset: -1.752 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:07:04 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.44 Mbit/s
95th percentile per-packet one-way delay: 43.725 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 43.039 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 5.52 Mbit/s
95th percentile per-packet one-way delay: 43.966 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 45.151 ms
Loss rate: 1.25%
```
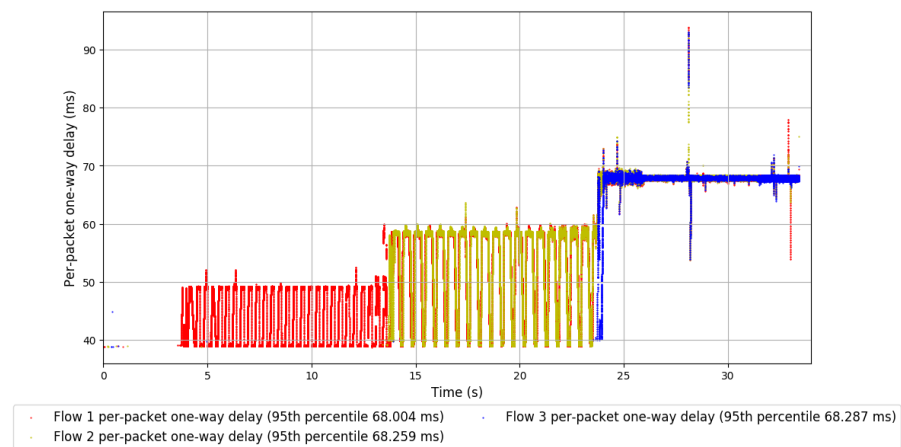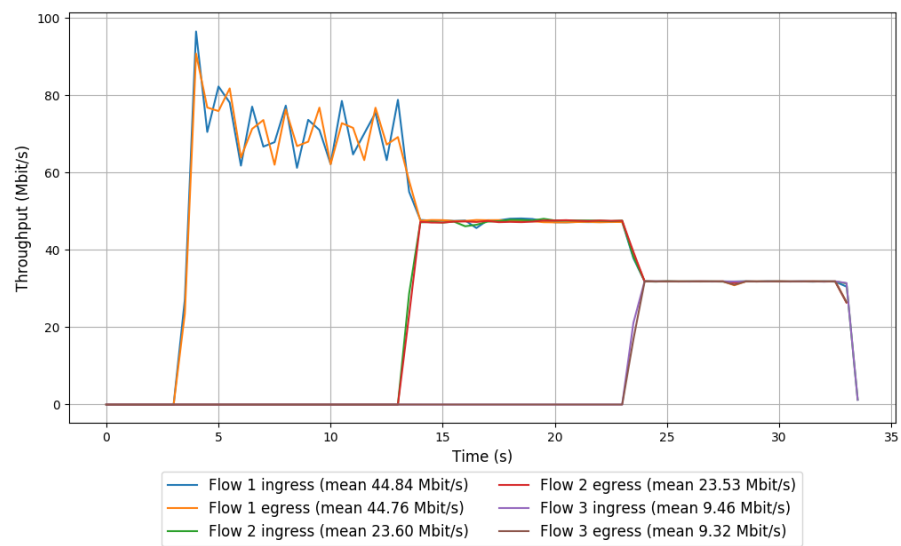
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 8.28 Mbit/s)
Flow 1 egress (mean 8.29 Mbit/s)
Flow 2 ingress (mean 5.53 Mbit/s)
Flow 2 egress (mean 5.52 Mbit/s)
Flow 3 ingress (mean 2.72 Mbit/s)
Flow 3 egress (mean 2.69 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 43.039 ms)
Flow 2 per-packet one-way delay (95th percentile 43.966 ms)
Flow 3 per-packet one-way delay (95th percentile 45.151 ms)

223

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

Start at: Sat, 01 Jul 2017 12:36:42 +0000
End at: Sat, 01 Jul 2017 12:37:12 +0000
Local clock offset: 0.604 ms
Remote clock offset: -1.723 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:07:23 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.38 Mbit/s
95th percentile per-packet one-way delay: 68.132 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 68.004 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 23.53 Mbit/s
95th percentile per-packet one-way delay: 68.259 ms
Loss rate: 0.69%
-- Flow 3:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: 68.287 ms
Loss rate: 1.82%
```
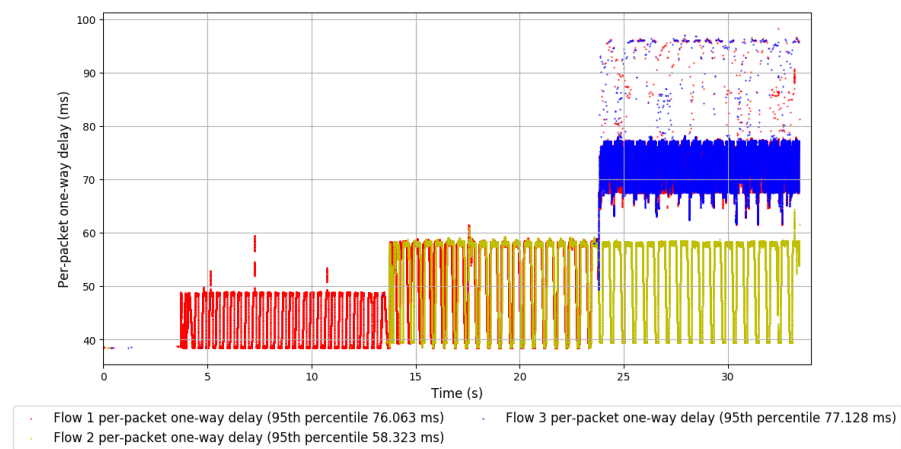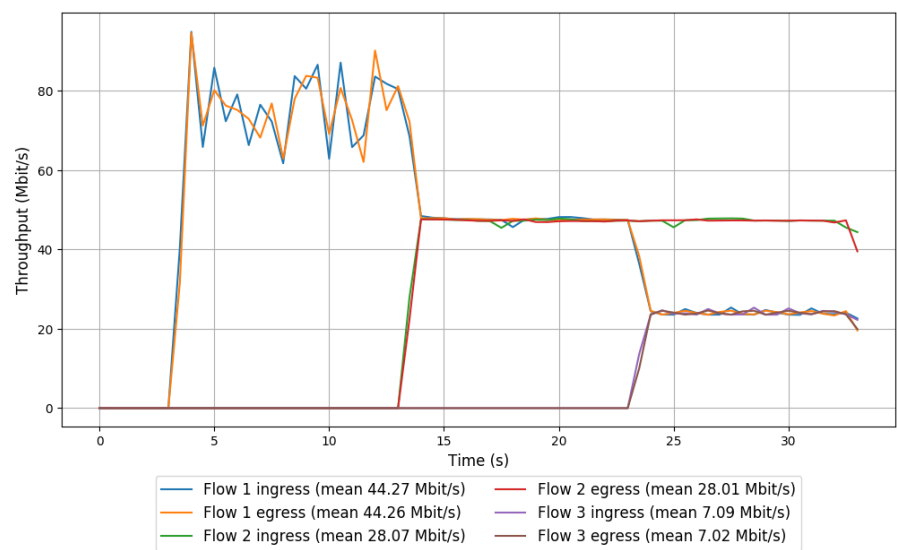
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 44.84 Mbit/s) — Flow 2 egress (mean 23.53 Mbit/s)
Flow 1 egress (mean 44.76 Mbit/s) — Flow 3 ingress (mean 9.46 Mbit/s)
Flow 2 ingress (mean 23.60 Mbit/s) — Flow 3 egress (mean 9.32 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 68.004 ms)   Flow 3 per-packet one-way delay (95th percentile 68.287 ms)
Flow 2 per-packet one-way delay (95th percentile 68.259 ms)

225

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

Start at: Sat, 01 Jul 2017 12:57:26 +0000
End at: Sat, 01 Jul 2017 12:57:56 +0000
Local clock offset: 0.809 ms
Remote clock offset: -0.45 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:07:24 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.06 Mbit/s
95th percentile per-packet one-way delay: 76.442 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 44.26 Mbit/s
95th percentile per-packet one-way delay: 76.063 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 58.323 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 77.128 ms
Loss rate: 1.26%
```
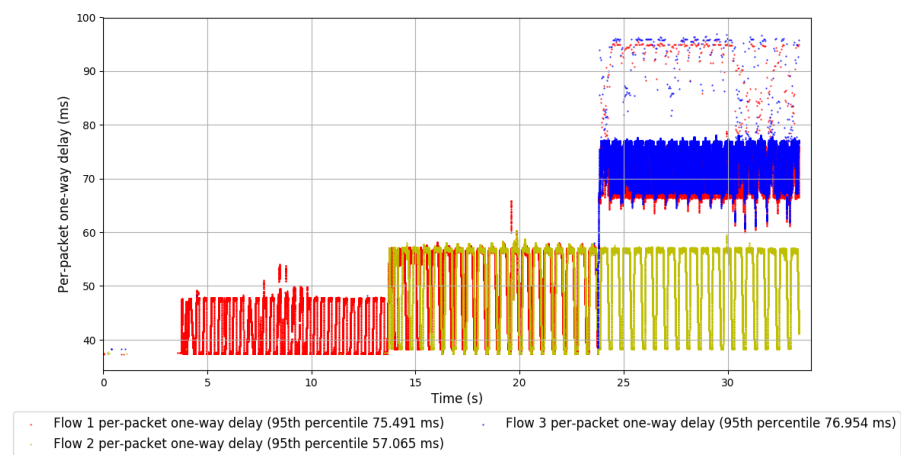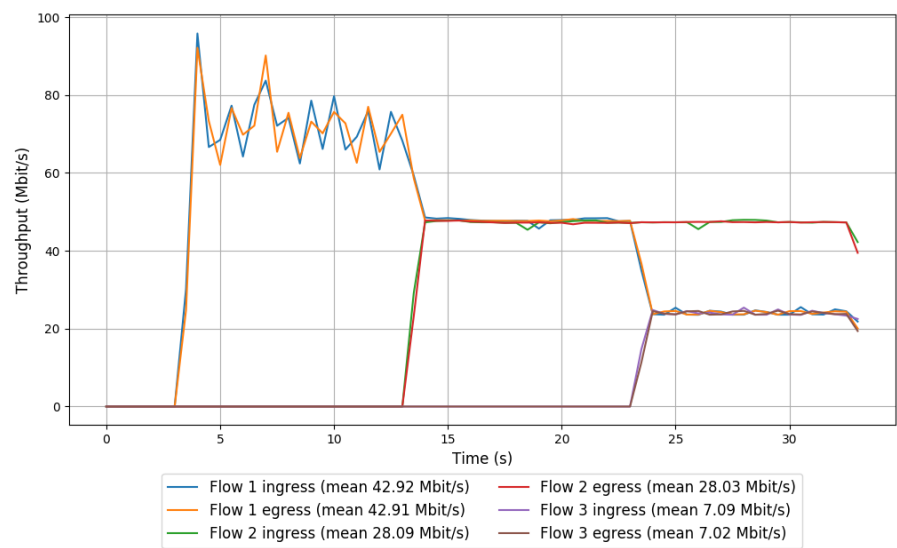
Run 2: Report of TaoVA-100x — Data Link

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

Start at: Sat, 01 Jul 2017 13:18:14 +0000
End at: Sat, 01 Jul 2017 13:18:44 +0000
Local clock offset: 0.718 ms
Remote clock offset: -2.218 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:07:44 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.72 Mbit/s
95th percentile per-packet one-way delay: 75.775 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 42.91 Mbit/s
95th percentile per-packet one-way delay: 75.491 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 28.03 Mbit/s
95th percentile per-packet one-way delay: 57.065 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 76.954 ms
Loss rate: 1.34%
```
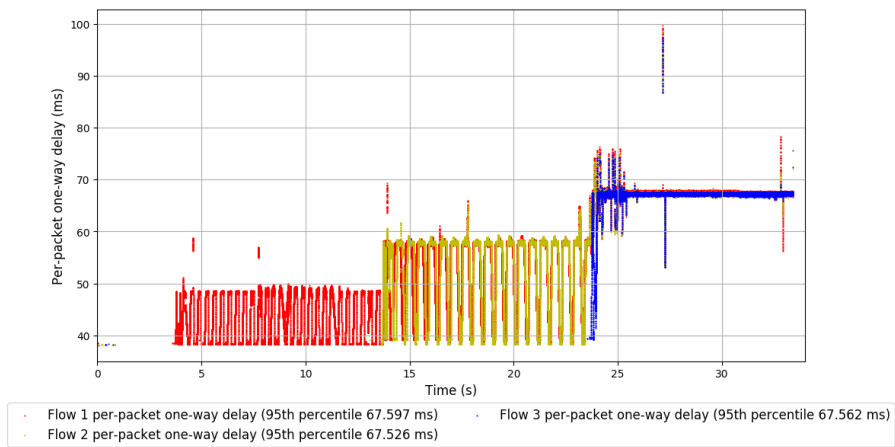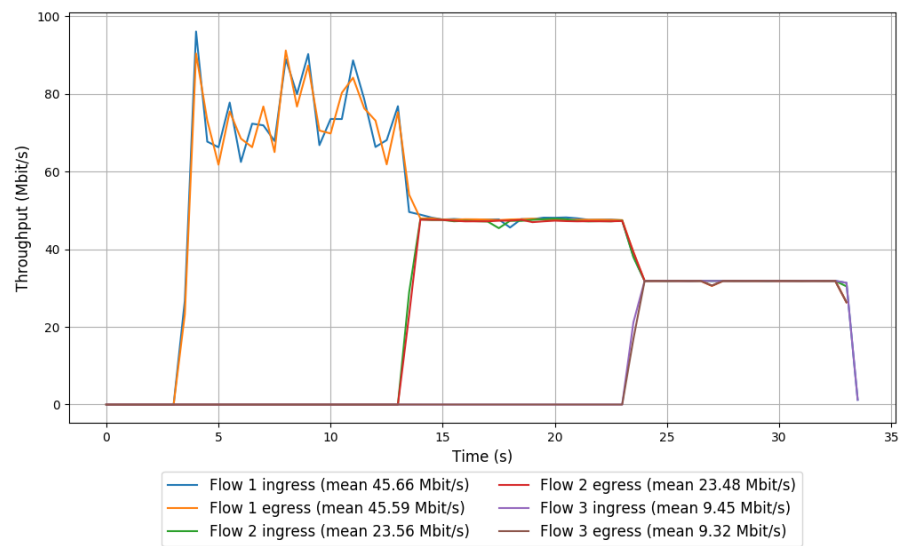
Run 3: Report of TaoVA-100x — Data Link

- Flow 1 ingress (mean 42.92 Mbit/s)
- Flow 1 egress (mean 42.91 Mbit/s)
- Flow 2 ingress (mean 28.09 Mbit/s)
- Flow 2 egress (mean 28.03 Mbit/s)
- Flow 3 ingress (mean 7.09 Mbit/s)
- Flow 3 egress (mean 7.02 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 75.491 ms)
- Flow 2 per-packet one-way delay (95th percentile 57.065 ms)
- Flow 3 per-packet one-way delay (95th percentile 76.954 ms)
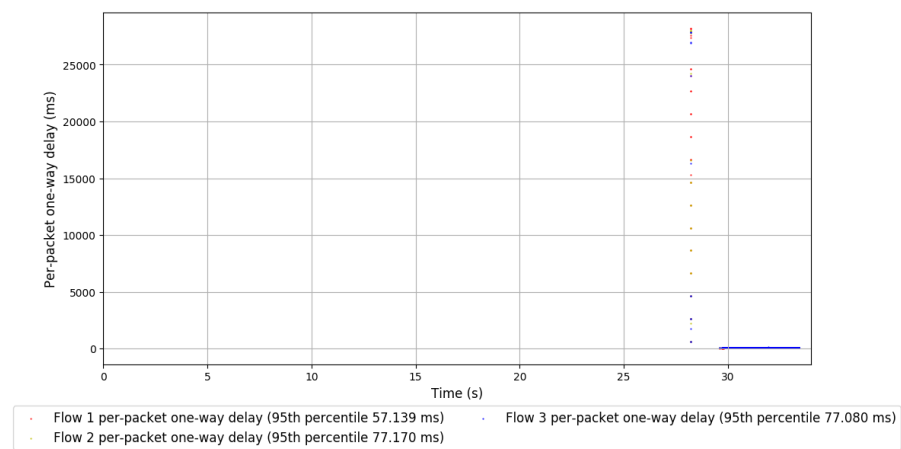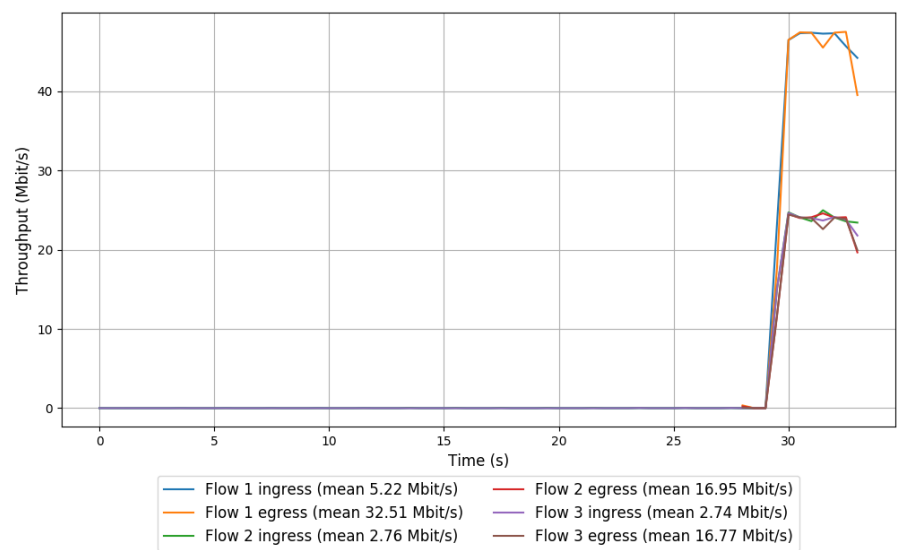
```
Run 4: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 13:38:56 +0000
End at: Sat, 01 Jul 2017 13:39:26 +0000
Local clock offset: 0.747 ms
Remote clock offset: -2.7 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:07:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.16 Mbit/s
95th percentile per-packet one-way delay: 67.563 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 45.59 Mbit/s
95th percentile per-packet one-way delay: 67.597 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 23.48 Mbit/s
95th percentile per-packet one-way delay: 67.526 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: 67.562 ms
Loss rate: 1.87%
```
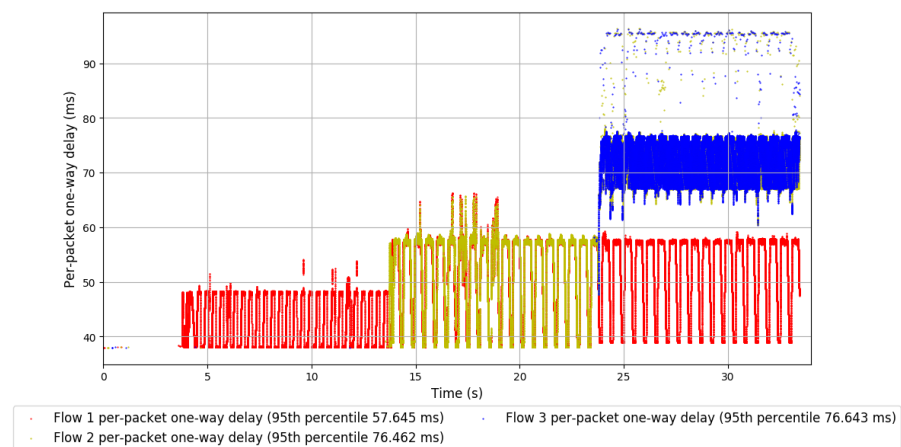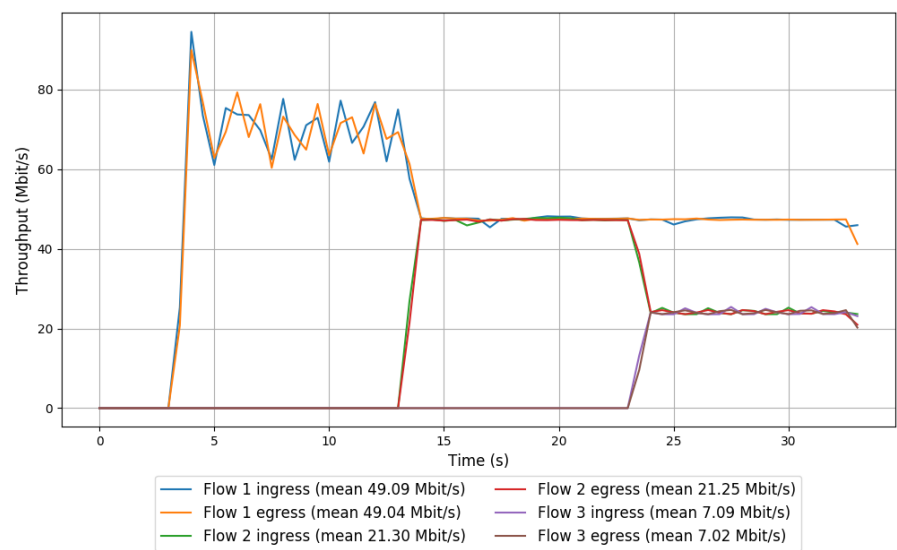
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 45.66 Mbit/s)
Flow 1 egress (mean 45.59 Mbit/s)
Flow 2 ingress (mean 23.56 Mbit/s)
Flow 2 egress (mean 23.48 Mbit/s)
Flow 3 ingress (mean 9.45 Mbit/s)
Flow 3 egress (mean 9.32 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 67.597 ms)
Flow 2 per-packet one-way delay (95th percentile 67.526 ms)
Flow 3 per-packet one-way delay (95th percentile 67.562 ms)

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

Start at: Sat, 01 Jul 2017 13:59:34 +0000
End at: Sat, 01 Jul 2017 14:00:04 +0000
Local clock offset: 0.538 ms
Remote clock offset: -0.489 ms
```

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

Flow 1 ingress (mean 5.22 Mbit/s)
Flow 1 egress (mean 32.51 Mbit/s)
Flow 2 ingress (mean 2.76 Mbit/s)
Flow 2 egress (mean 16.95 Mbit/s)
Flow 3 ingress (mean 2.74 Mbit/s)
Flow 3 egress (mean 16.77 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 57.139 ms)
Flow 2 per-packet one-way delay (95th percentile 77.170 ms)
Flow 3 per-packet one-way delay (95th percentile 77.080 ms)

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

Start at: Sat, 01 Jul 2017 14:20:08 +0000
End at: Sat, 01 Jul 2017 14:20:38 +0000
Local clock offset: 0.546 ms
Remote clock offset: -3.085 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:08:08 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.11 Mbit/s
95th percentile per-packet one-way delay: 76.089 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 57.645 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 76.462 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 76.643 ms
Loss rate: 1.22%
```
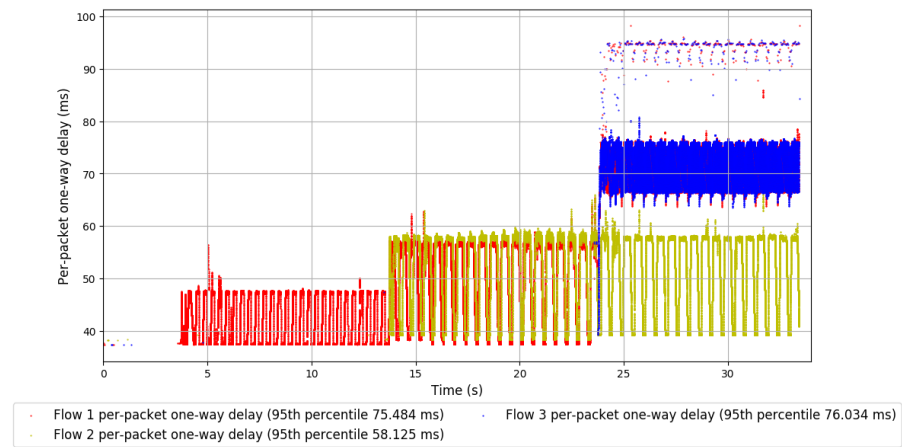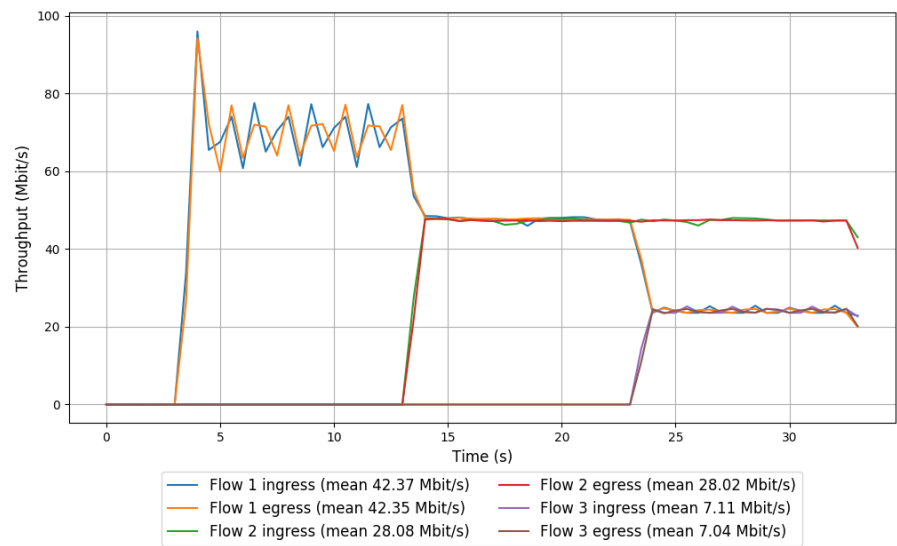
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 49.09 Mbit/s)   Flow 2 egress (mean 21.25 Mbit/s)
Flow 1 egress (mean 49.04 Mbit/s)   Flow 3 ingress (mean 7.09 Mbit/s)
Flow 2 ingress (mean 21.30 Mbit/s)   Flow 3 egress (mean 7.02 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 57.645 ms)   Flow 3 per-packet one-way delay (95th percentile 76.643 ms)
Flow 2 per-packet one-way delay (95th percentile 76.462 ms)

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

Start at: Sat, 01 Jul 2017 14:40:44 +0000
End at: Sat, 01 Jul 2017 14:41:14 +0000
Local clock offset: 0.306 ms
Remote clock offset: -2.703 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:08:08 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.17 Mbit/s
95th percentile per-packet one-way delay: 75.609 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 42.35 Mbit/s
95th percentile per-packet one-way delay: 75.484 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 28.02 Mbit/s
95th percentile per-packet one-way delay: 58.125 ms
Loss rate: 0.46%
-- Flow 3:
Average throughput: 7.04 Mbit/s
95th percentile per-packet one-way delay: 76.034 ms
Loss rate: 1.27%
```
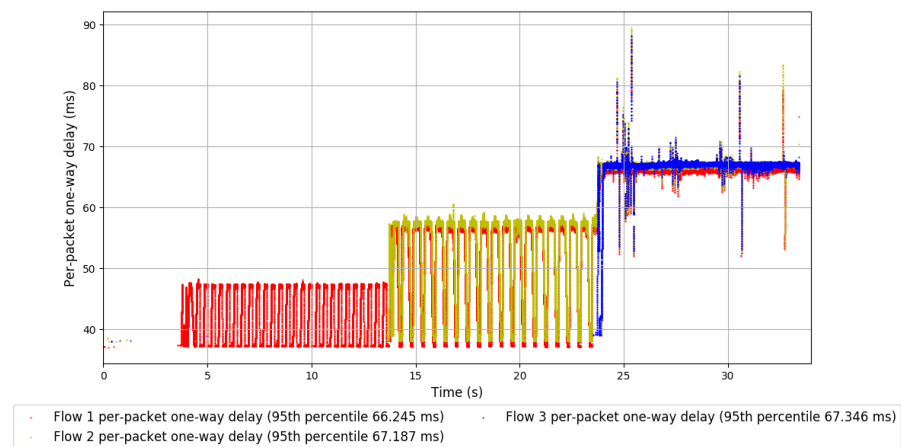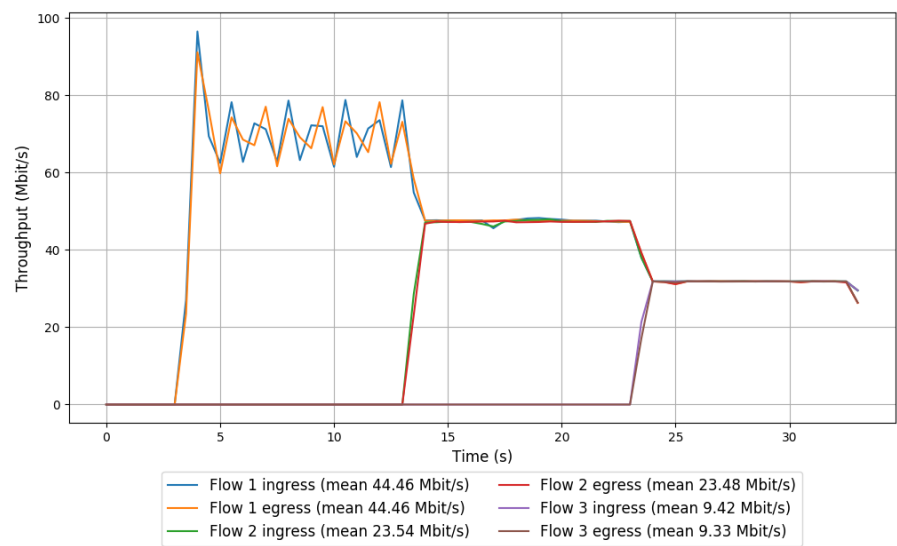
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 42.37 Mbit/s)   Flow 2 egress (mean 28.02 Mbit/s)
Flow 1 egress (mean 42.35 Mbit/s)   Flow 3 ingress (mean 7.11 Mbit/s)
Flow 2 ingress (mean 28.08 Mbit/s)   Flow 3 egress (mean 7.04 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 75.484 ms)   Flow 3 per-packet one-way delay (95th percentile 76.034 ms)
Flow 2 per-packet one-way delay (95th percentile 58.125 ms)

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

Start at: Sat, 01 Jul 2017 15:01:22 +0000
End at: Sat, 01 Jul 2017 15:01:52 +0000
Local clock offset: 0.009 ms
Remote clock offset: -3.529 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:08:28 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.03 Mbit/s
95th percentile per-packet one-way delay: 67.127 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 44.46 Mbit/s
95th percentile per-packet one-way delay: 66.245 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 23.48 Mbit/s
95th percentile per-packet one-way delay: 67.187 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 67.346 ms
Loss rate: 1.24%
```
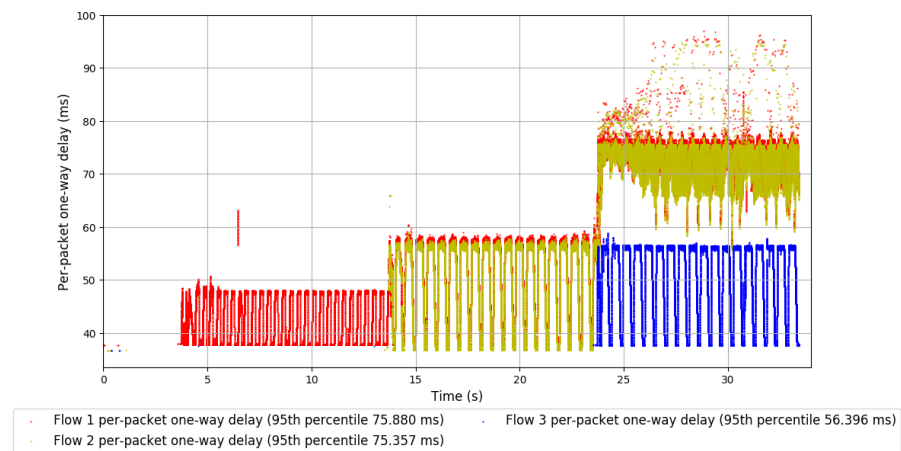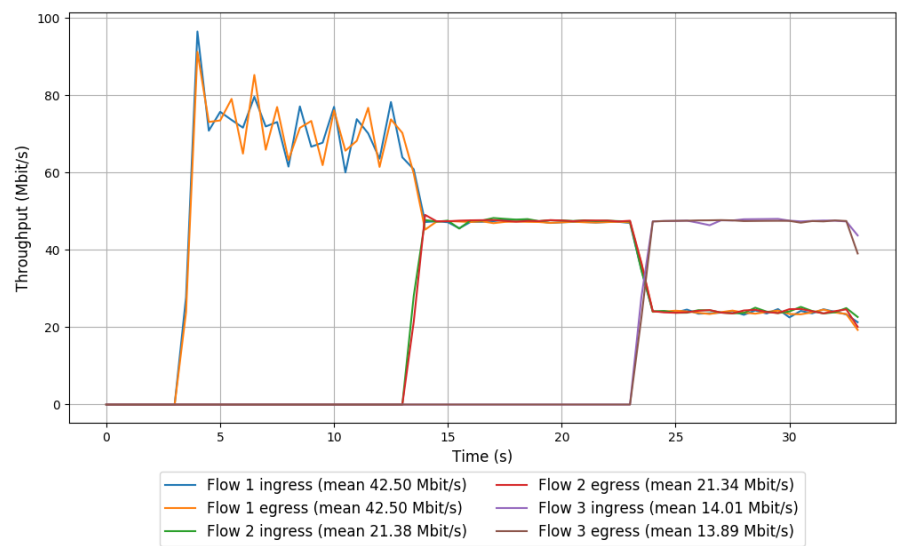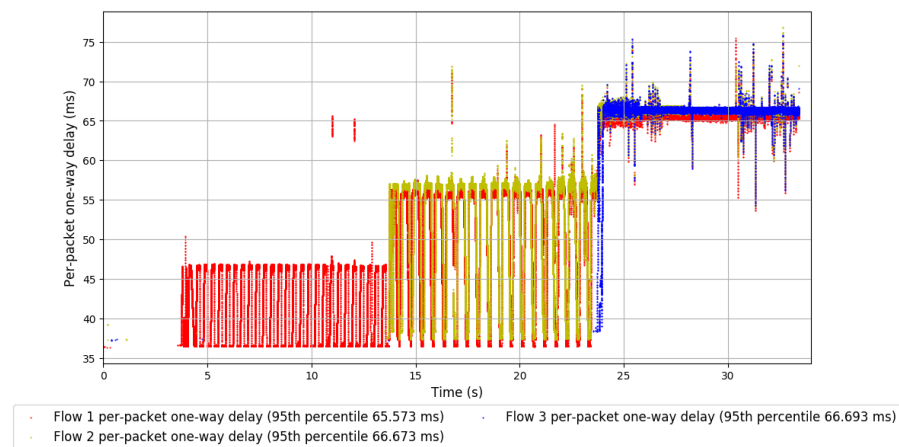
Run 8: Report of TaoVA-100x — Data Link

- Flow 1 ingress (mean 44.46 Mbit/s)
- Flow 1 egress (mean 44.46 Mbit/s)
- Flow 2 ingress (mean 23.54 Mbit/s)
- Flow 2 egress (mean 23.48 Mbit/s)
- Flow 3 ingress (mean 9.42 Mbit/s)
- Flow 3 egress (mean 9.33 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 66.245 ms)
- Flow 2 per-packet one-way delay (95th percentile 67.187 ms)
- Flow 3 per-packet one-way delay (95th percentile 67.346 ms)

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

Start at: Sat, 01 Jul 2017 15:22:02 +0000
End at: Sat, 01 Jul 2017 15:22:32 +0000
Local clock offset: 0.15 ms
Remote clock offset: -1.361 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:08:29 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.46 Mbit/s
95th percentile per-packet one-way delay: 75.335 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 42.50 Mbit/s
95th percentile per-packet one-way delay: 75.880 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 21.34 Mbit/s
95th percentile per-packet one-way delay: 75.357 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 13.89 Mbit/s
95th percentile per-packet one-way delay: 56.396 ms
Loss rate: 1.13%
```
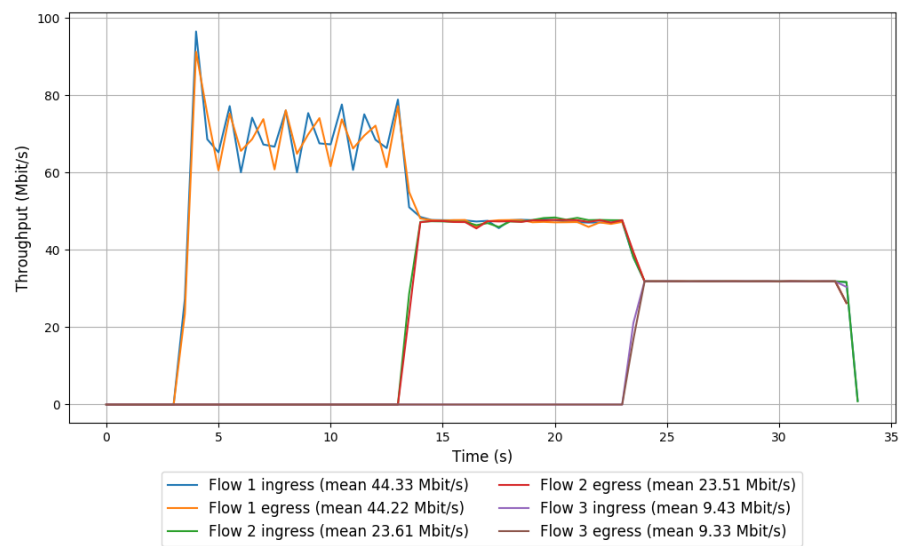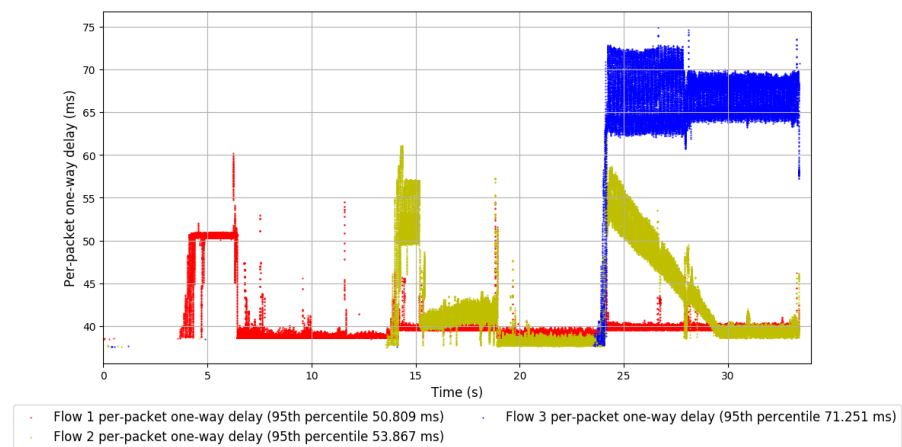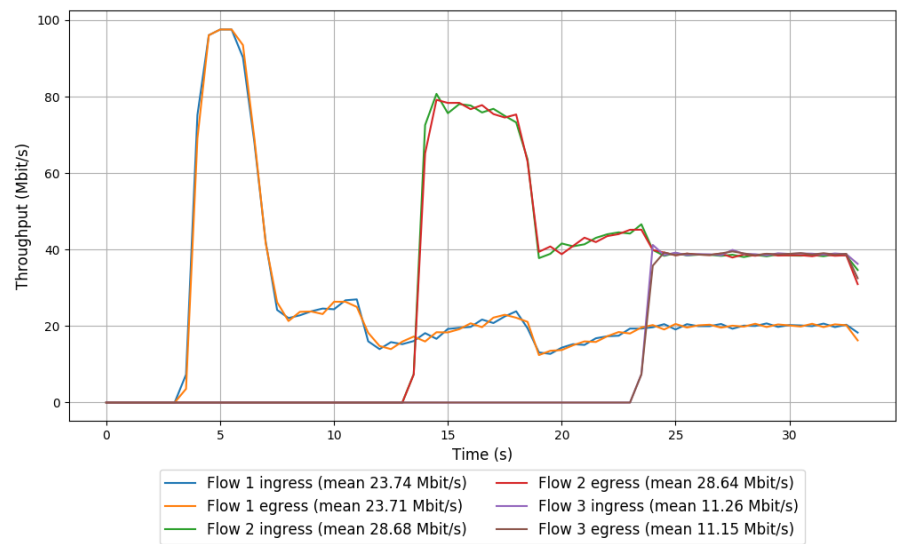
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 42.50 Mbit/s)
Flow 1 egress (mean 42.50 Mbit/s)
Flow 2 ingress (mean 21.38 Mbit/s)
Flow 2 egress (mean 21.34 Mbit/s)
Flow 3 ingress (mean 14.01 Mbit/s)
Flow 3 egress (mean 13.89 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 75.880 ms)
Flow 2 per-packet one-way delay (95th percentile 75.357 ms)
Flow 3 per-packet one-way delay (95th percentile 56.396 ms)

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

Start at: Sat, 01 Jul 2017 15:42:42 +0000
End at: Sat, 01 Jul 2017 15:43:12 +0000
Local clock offset: 0.264 ms
Remote clock offset: -3.686 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:08:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.84 Mbit/s
95th percentile per-packet one-way delay: 66.614 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 44.22 Mbit/s
95th percentile per-packet one-way delay: 65.573 ms
Loss rate: 0.66%
-- Flow 2:
Average throughput: 23.51 Mbit/s
95th percentile per-packet one-way delay: 66.673 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 66.693 ms
Loss rate: 1.34%
```

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

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```
Run 1: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 12:51:57 +0000
End at: Sat, 01 Jul 2017 12:52:27 +0000
Local clock offset: 0.689 ms
Remote clock offset: -0.368 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:08:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.20 Mbit/s
95th percentile per-packet one-way delay: 68.530 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 50.809 ms
Loss rate: 0.40%
-- Flow 2:
Average throughput: 28.64 Mbit/s
95th percentile per-packet one-way delay: 53.867 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 11.15 Mbit/s
95th percentile per-packet one-way delay: 71.251 ms
Loss rate: 1.20%
```
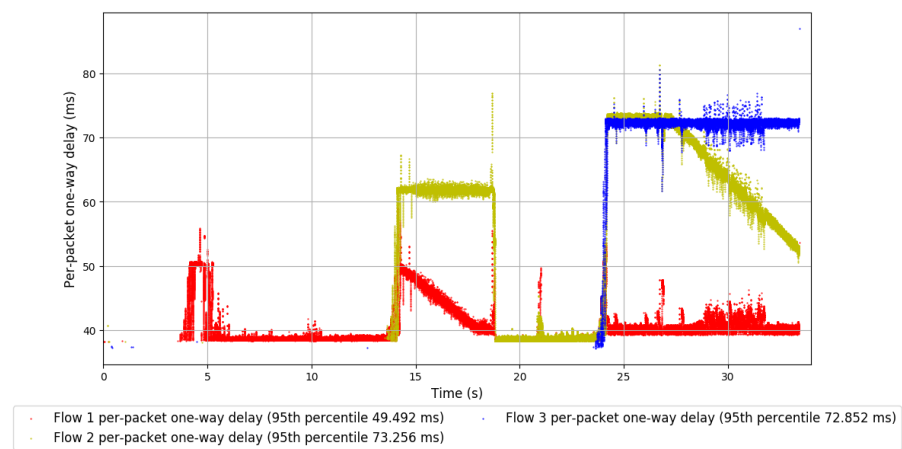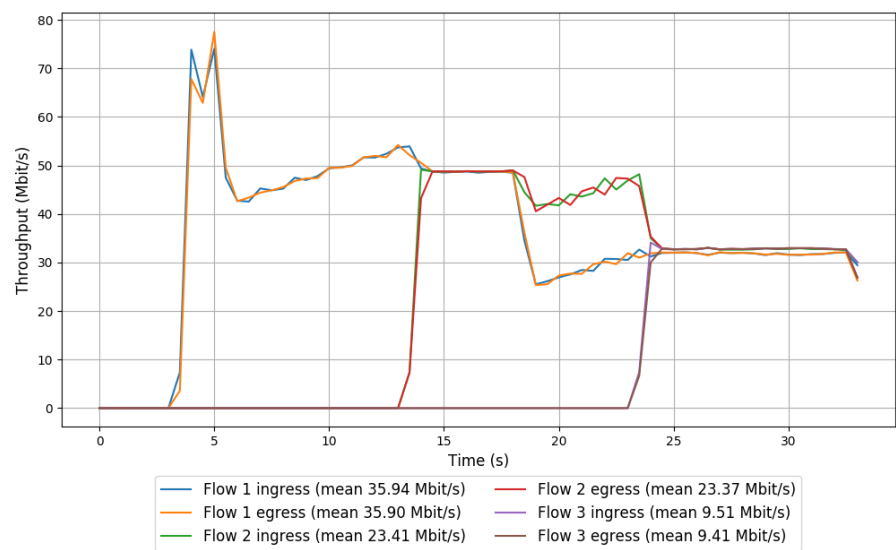
Run 1: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 23.74 Mbit/s)   Flow 2 egress (mean 28.64 Mbit/s)
Flow 1 egress (mean 23.71 Mbit/s)   Flow 3 ingress (mean 11.26 Mbit/s)
Flow 2 ingress (mean 28.68 Mbit/s)   Flow 3 egress (mean 11.15 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 50.809 ms)   Flow 3 per-packet one-way delay (95th percentile 71.251 ms)
Flow 2 per-packet one-way delay (95th percentile 53.867 ms)

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```
Run 2: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 13:12:49 +0000
End at: Sat, 01 Jul 2017 13:13:19 +0000
Local clock offset: 0.787 ms
Remote clock offset: -0.274 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:08:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.44 Mbit/s
95th percentile per-packet one-way delay: 72.771 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 35.90 Mbit/s
95th percentile per-packet one-way delay: 49.492 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 73.256 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 9.41 Mbit/s
95th percentile per-packet one-way delay: 72.852 ms
Loss rate: 1.26%
```
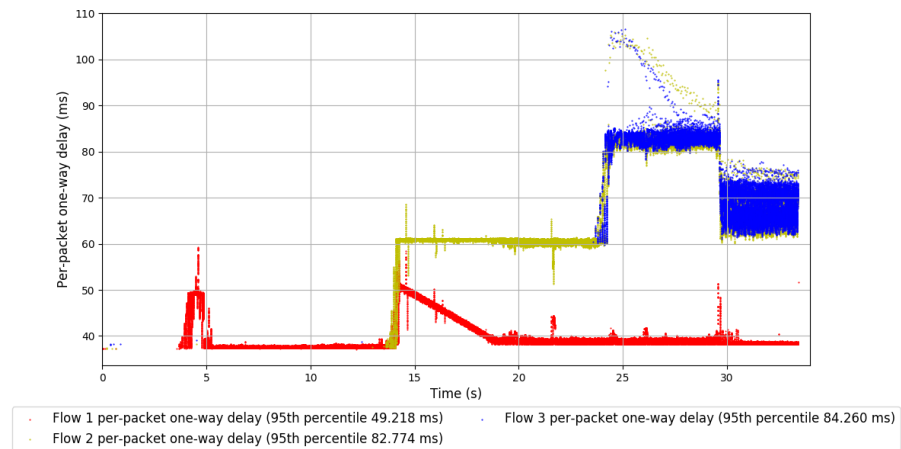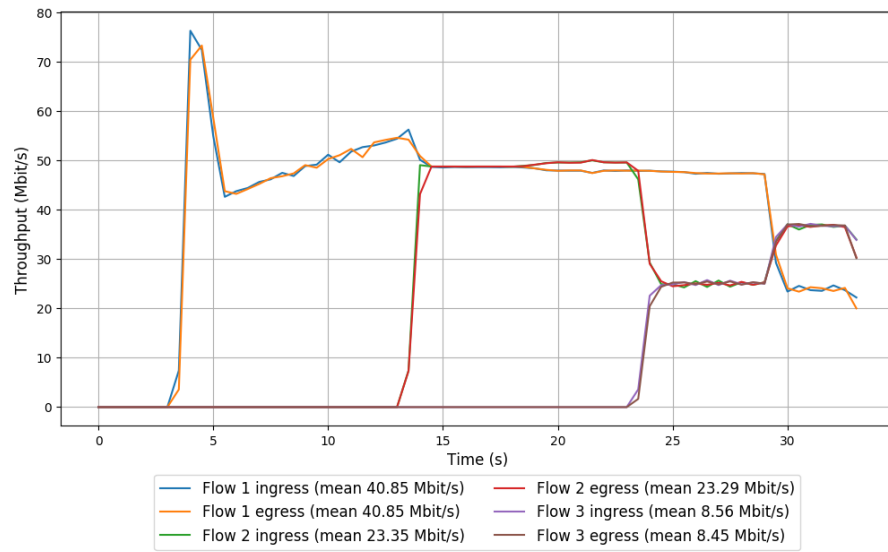
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 13:33:27 +0000
End at: Sat, 01 Jul 2017 13:33:57 +0000
Local clock offset: 0.66 ms
Remote clock offset: -0.745 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:08:59 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.36 Mbit/s
95th percentile per-packet one-way delay: 82.752 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 49.218 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 82.774 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 84.260 ms
Loss rate: 1.52%
```
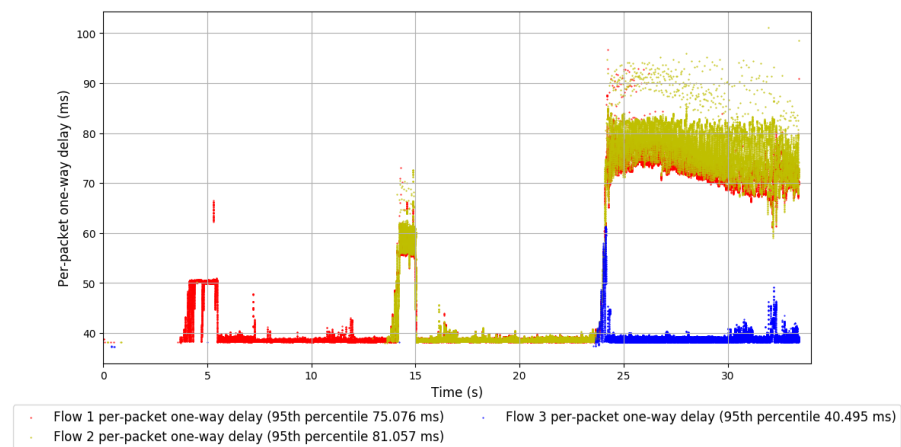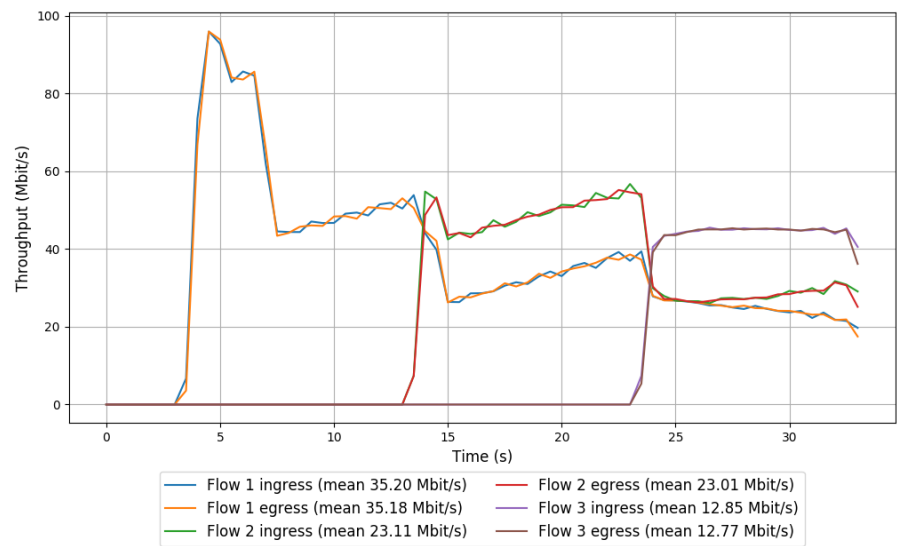
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 40.85 Mbit/s)
Flow 1 egress (mean 40.85 Mbit/s)
Flow 2 ingress (mean 23.35 Mbit/s)
Flow 2 egress (mean 23.29 Mbit/s)
Flow 3 ingress (mean 8.56 Mbit/s)
Flow 3 egress (mean 8.45 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 49.218 ms)
Flow 2 per-packet one-way delay (95th percentile 82.774 ms)
Flow 3 per-packet one-way delay (95th percentile 84.260 ms)

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```
Run 4: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 13:54:06 +0000
End at: Sat, 01 Jul 2017 13:54:36 +0000
Local clock offset: 0.561 ms
Remote clock offset: -2.458 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:09:00 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.66 Mbit/s
95th percentile per-packet one-way delay: 77.996 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 75.076 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 23.01 Mbit/s
95th percentile per-packet one-way delay: 81.057 ms
Loss rate: 0.64%
-- Flow 3:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 40.495 ms
Loss rate: 0.94%
```
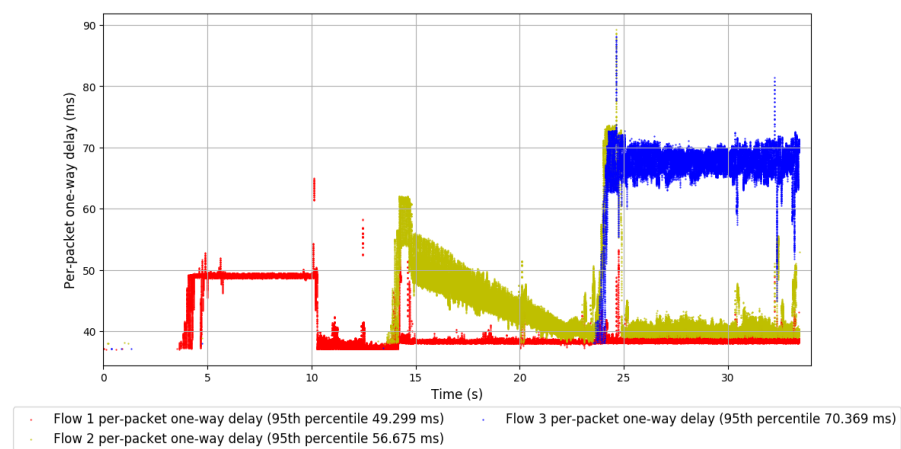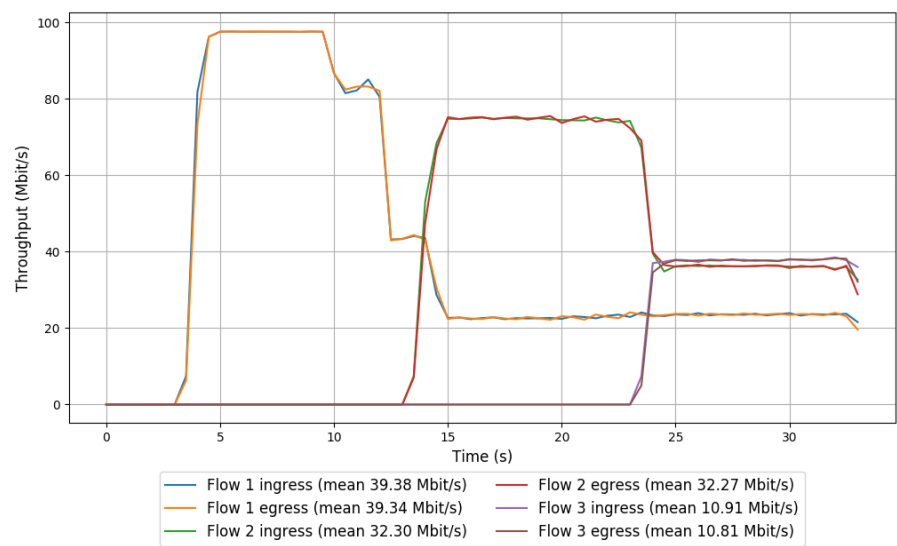
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 14:14:38 +0000
End at: Sat, 01 Jul 2017 14:15:08 +0000
Local clock offset: 0.555 ms
Remote clock offset: -3.044 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:09:11 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.10 Mbit/s
95th percentile per-packet one-way delay: 68.306 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 39.34 Mbit/s
95th percentile per-packet one-way delay: 49.299 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 56.675 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 70.369 ms
Loss rate: 1.26%
```
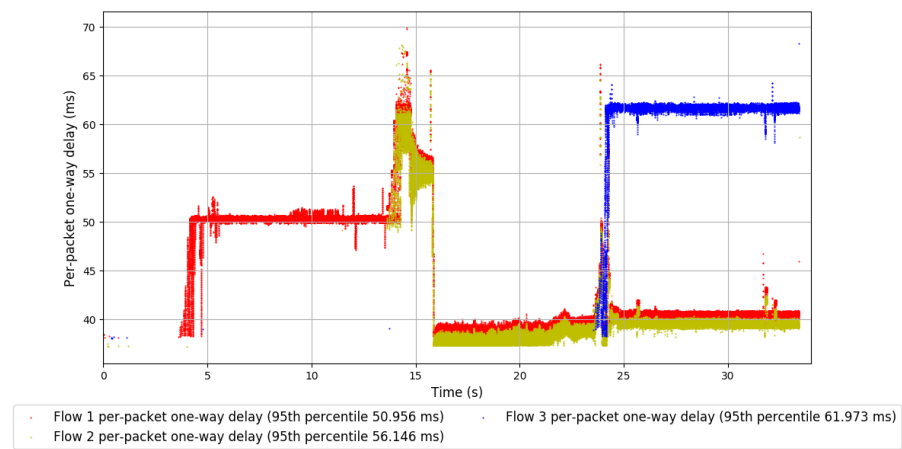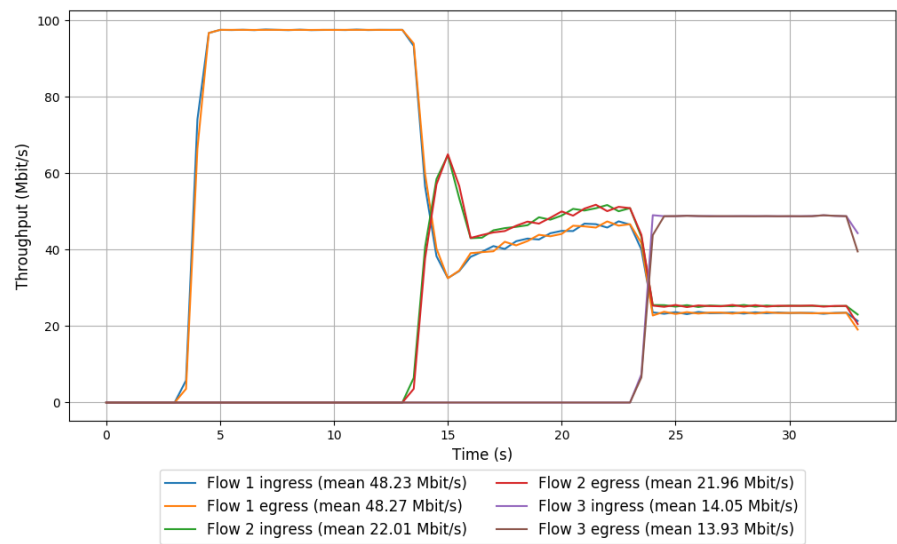
Run 5: Report of TCP Vegas — Data Link

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```
Run 6: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 14:35:21 +0000
End at: Sat, 01 Jul 2017 14:35:51 +0000
Local clock offset: 0.33 ms
Remote clock offset: -2.841 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:09:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.86 Mbit/s
95th percentile per-packet one-way delay: 61.811 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 48.27 Mbit/s
95th percentile per-packet one-way delay: 50.956 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 21.96 Mbit/s
95th percentile per-packet one-way delay: 56.146 ms
Loss rate: 0.43%
-- Flow 3:
Average throughput: 13.93 Mbit/s
95th percentile per-packet one-way delay: 61.973 ms
Loss rate: 1.16%
```

Run 6: Report of TCP Vegas — Data Link

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```
Run 7: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 14:55:54 +0000
End at: Sat, 01 Jul 2017 14:56:24 +0000
Local clock offset: -0.002 ms
Remote clock offset: -0.637 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:09:21 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.22 Mbit/s
95th percentile per-packet one-way delay: 72.394 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 44.90 Mbit/s
95th percentile per-packet one-way delay: 49.409 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 20.78 Mbit/s
95th percentile per-packet one-way delay: 60.544 ms
Loss rate: 0.52%
-- Flow 3:
Average throughput: 9.78 Mbit/s
95th percentile per-packet one-way delay: 73.547 ms
Loss rate: 1.25%
```
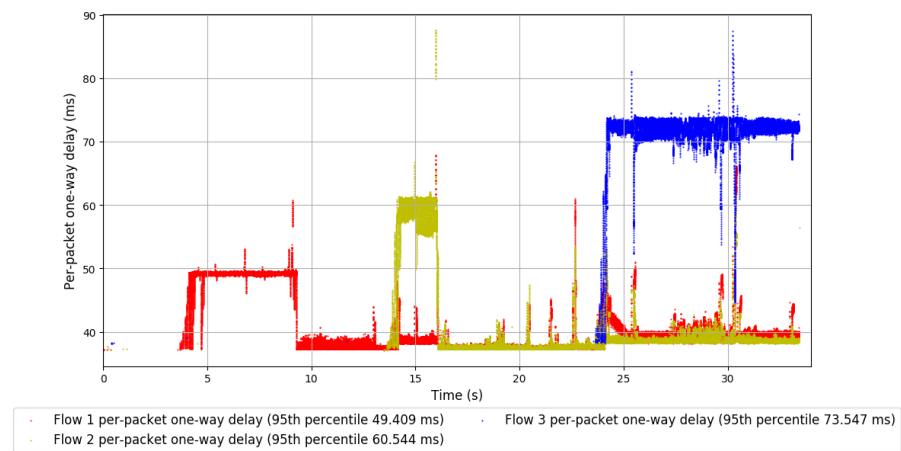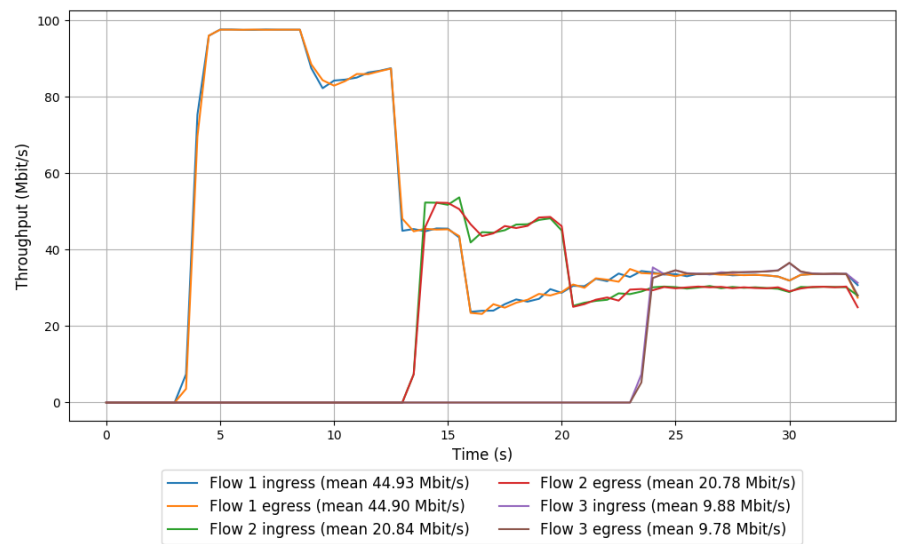
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 44.93 Mbit/s)
Flow 1 egress (mean 44.90 Mbit/s)
Flow 2 ingress (mean 20.84 Mbit/s)
Flow 2 egress (mean 20.78 Mbit/s)
Flow 3 ingress (mean 9.88 Mbit/s)
Flow 3 egress (mean 9.78 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 49.409 ms)
Flow 2 per-packet one-way delay (95th percentile 60.544 ms)
Flow 3 per-packet one-way delay (95th percentile 73.547 ms)

```
Run 8: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 15:16:33 +0000
End at: Sat, 01 Jul 2017 15:17:03 +0000
Local clock offset: 0.211 ms
Remote clock offset: -3.447 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:09:25 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.86 Mbit/s
95th percentile per-packet one-way delay: 61.728 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 58.69 Mbit/s
95th percentile per-packet one-way delay: 58.650 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 64.985 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 61.764 ms
Loss rate: 1.01%
```
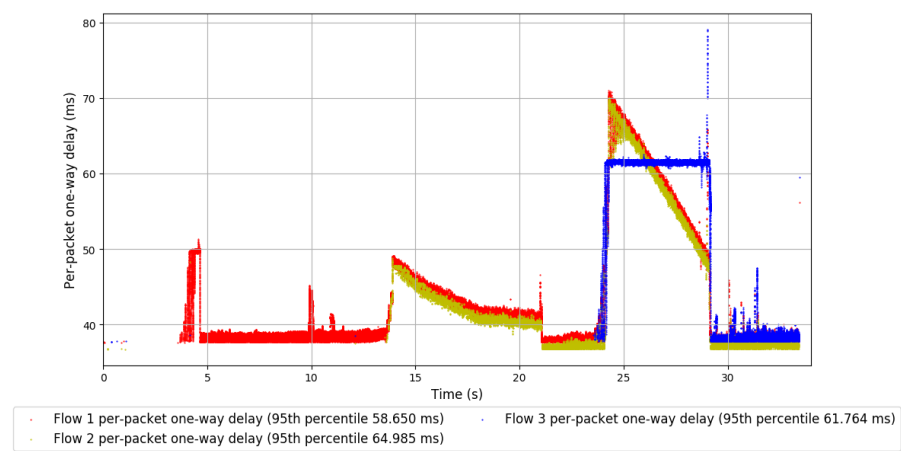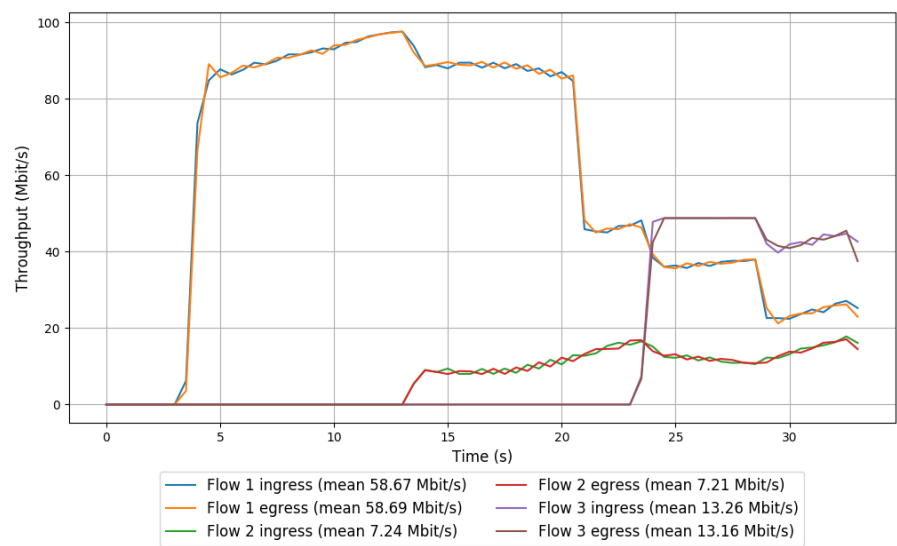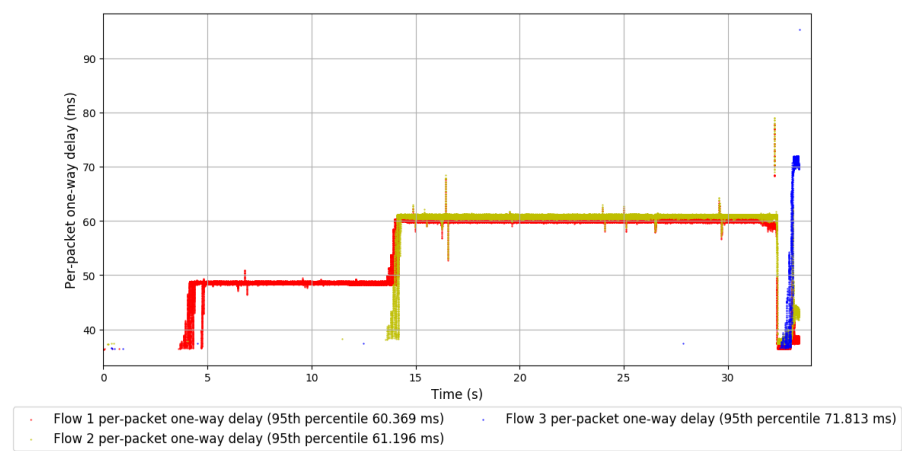
Run 8: Report of TCP Vegas — Data Link

- Flow 1 ingress (mean 58.67 Mbit/s)
- Flow 1 egress (mean 58.69 Mbit/s)
- Flow 2 ingress (mean 7.24 Mbit/s)
- Flow 2 egress (mean 7.21 Mbit/s)
- Flow 3 ingress (mean 13.26 Mbit/s)
- Flow 3 egress (mean 13.16 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 58.650 ms)
- Flow 2 per-packet one-way delay (95th percentile 64.985 ms)
- Flow 3 per-packet one-way delay (95th percentile 61.764 ms)

```
Run 9: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 15:37:13 +0000
End at: Sat, 01 Jul 2017 15:37:43 +0000
Local clock offset: 0.225 ms
Remote clock offset: -1.163 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:09:35 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 61.087 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 60.369 ms
Loss rate: 0.16%
-- Flow 2:
Average throughput: 28.04 Mbit/s
95th percentile per-packet one-way delay: 61.196 ms
Loss rate: 0.37%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 71.813 ms
Loss rate: 18.09%
```
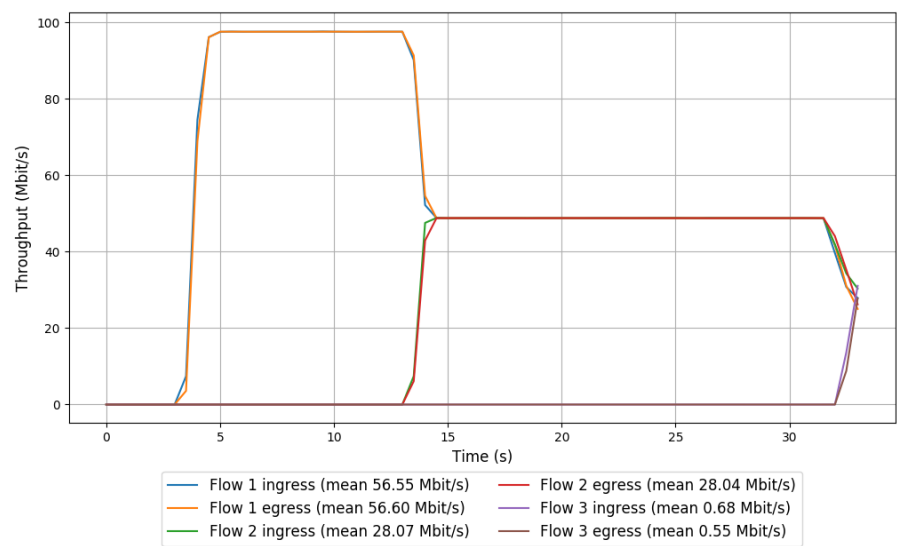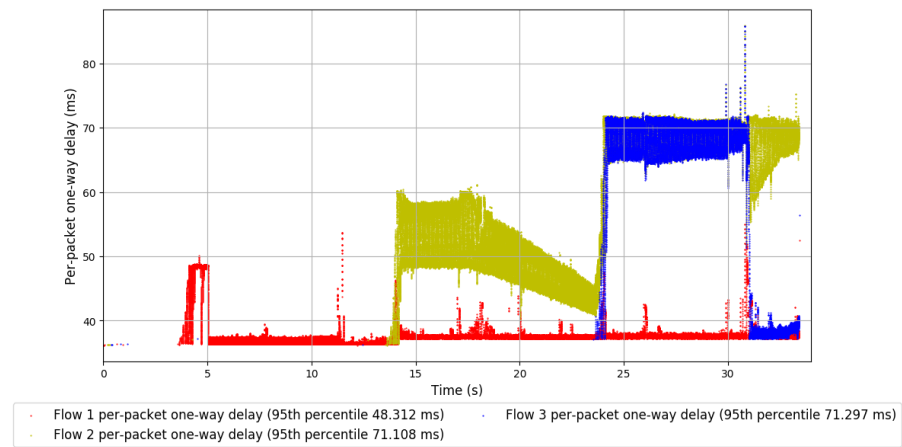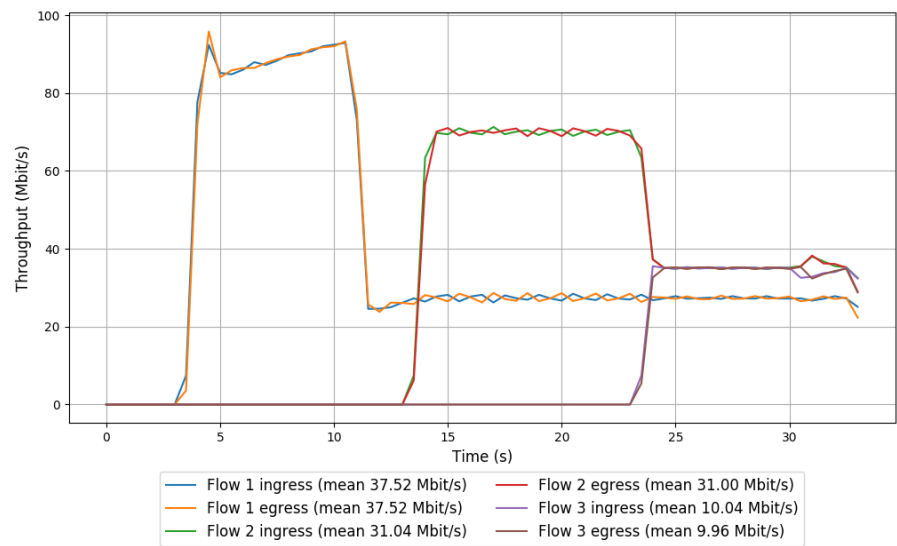
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 56.55 Mbit/s)   Flow 2 egress (mean 28.04 Mbit/s)
Flow 1 egress (mean 56.60 Mbit/s)   Flow 3 ingress (mean 0.68 Mbit/s)
Flow 2 ingress (mean 28.07 Mbit/s)   Flow 3 egress (mean 0.55 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 60.369 ms)   Flow 3 per-packet one-way delay (95th percentile 71.813 ms)
Flow 2 per-packet one-way delay (95th percentile 61.196 ms)

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```
Run 10: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 15:57:52 +0000
End at: Sat, 01 Jul 2017 15:58:22 +0000
Local clock offset: 0.206 ms
Remote clock offset: -4.31 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:09:37 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.18 Mbit/s
95th percentile per-packet one-way delay: 70.812 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 37.52 Mbit/s
95th percentile per-packet one-way delay: 48.312 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 31.00 Mbit/s
95th percentile per-packet one-way delay: 71.108 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 9.96 Mbit/s
95th percentile per-packet one-way delay: 71.297 ms
Loss rate: 0.98%
```

Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: Sat, 01 Jul 2017 12:46:24 +0000
End at: Sat, 01 Jul 2017 12:46:54 +0000
Local clock offset: 0.72 ms
Remote clock offset: -1.98 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:09:45 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.62 Mbit/s
95th percentile per-packet one-way delay: 73.363 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 72.682 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 26.32 Mbit/s
95th percentile per-packet one-way delay: 72.634 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 73.651 ms
Loss rate: 0.13%
```
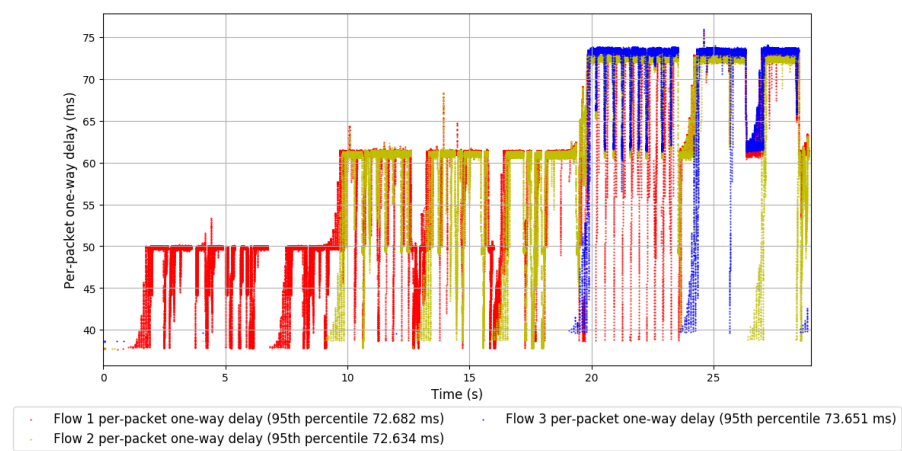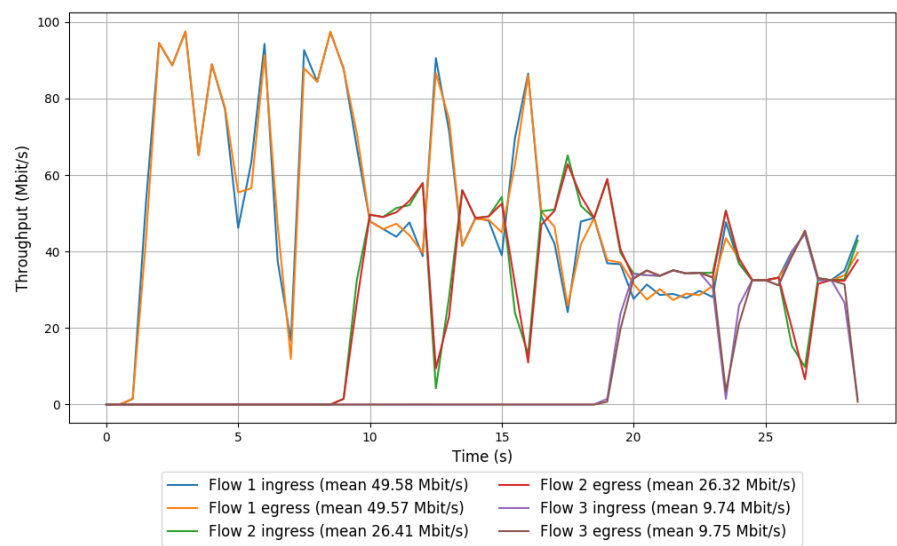
Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 49.58 Mbit/s)   Flow 2 egress (mean 26.32 Mbit/s)
Flow 1 egress (mean 49.57 Mbit/s)   Flow 3 ingress (mean 9.74 Mbit/s)
Flow 2 ingress (mean 26.41 Mbit/s)   Flow 3 egress (mean 9.75 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 72.682 ms)   Flow 3 per-packet one-way delay (95th percentile 73.651 ms)
Flow 2 per-packet one-way delay (95th percentile 72.634 ms)

```
Run 2: Statistics of Verus

Start at: Sat, 01 Jul 2017 13:07:09 +0000
End at: Sat, 01 Jul 2017 13:07:39 +0000
Local clock offset: 0.811 ms
Remote clock offset: -2.3 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 17:09:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.31 Mbit/s
95th percentile per-packet one-way delay: 73.246 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 49.57 Mbit/s
95th percentile per-packet one-way delay: 73.112 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 22.77 Mbit/s
95th percentile per-packet one-way delay: 73.379 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 8.20 Mbit/s
95th percentile per-packet one-way delay: 72.514 ms
Loss rate: 0.35%
```
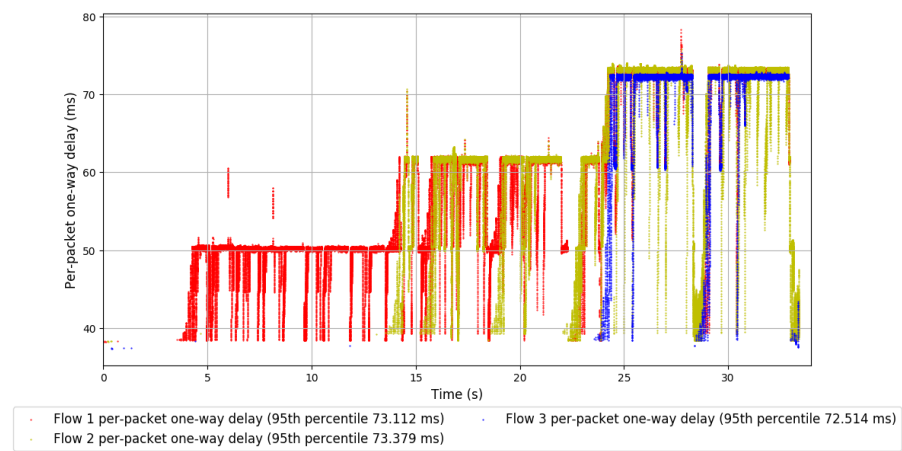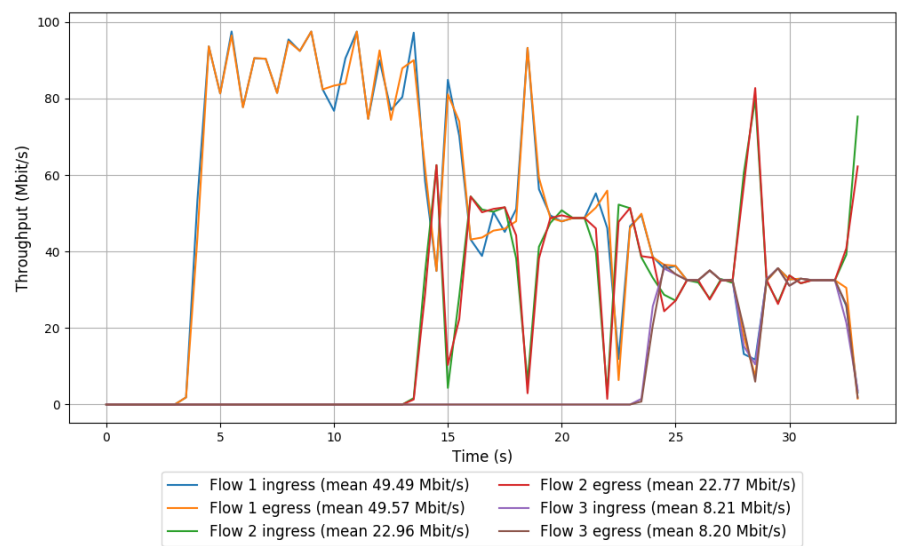
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: Sat, 01 Jul 2017 13:27:56 +0000
End at: Sat, 01 Jul 2017 13:28:26 +0000
Local clock offset: 0.749 ms
Remote clock offset: -2.799 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:09:58 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.42 Mbit/s
95th percentile per-packet one-way delay: 82.822 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 47.65 Mbit/s
95th percentile per-packet one-way delay: 60.786 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 28.05 Mbit/s
95th percentile per-packet one-way delay: 83.269 ms
Loss rate: 0.72%
-- Flow 3:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 83.442 ms
Loss rate: 0.19%
```
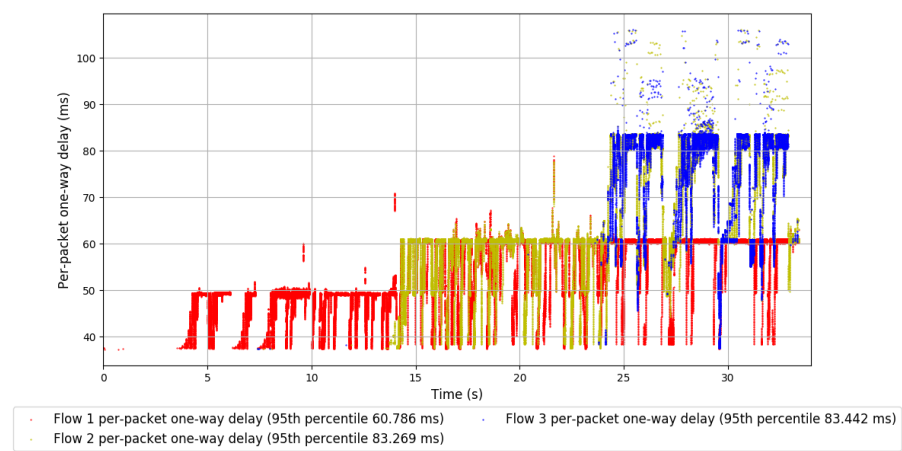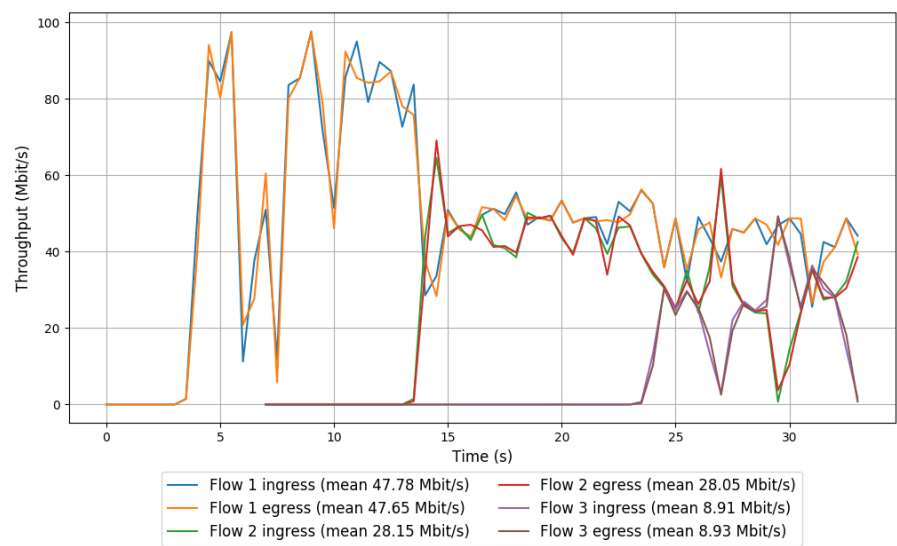
Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 47.78 Mbit/s)	Flow 2 egress (mean 28.05 Mbit/s)
Flow 1 egress (mean 47.65 Mbit/s)	Flow 3 ingress (mean 8.91 Mbit/s)
Flow 2 ingress (mean 28.15 Mbit/s)	Flow 3 egress (mean 8.93 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 60.786 ms)
- Flow 2 per-packet one-way delay (95th percentile 83.269 ms)
- Flow 3 per-packet one-way delay (95th percentile 83.442 ms)
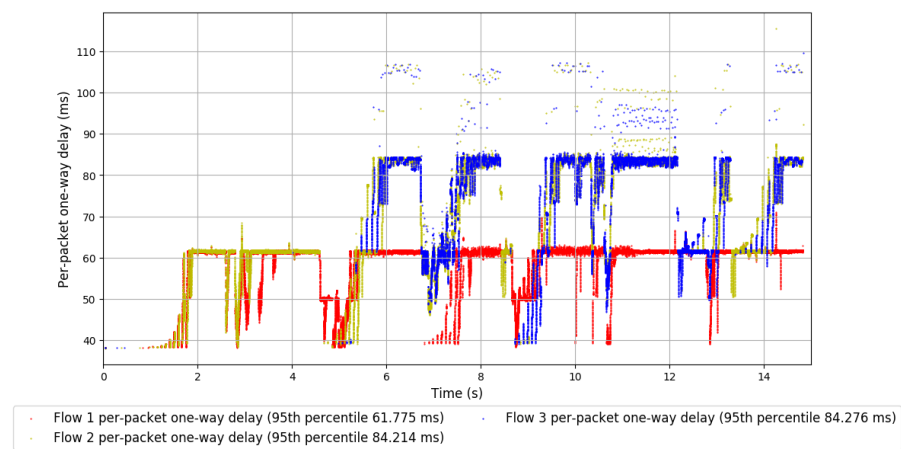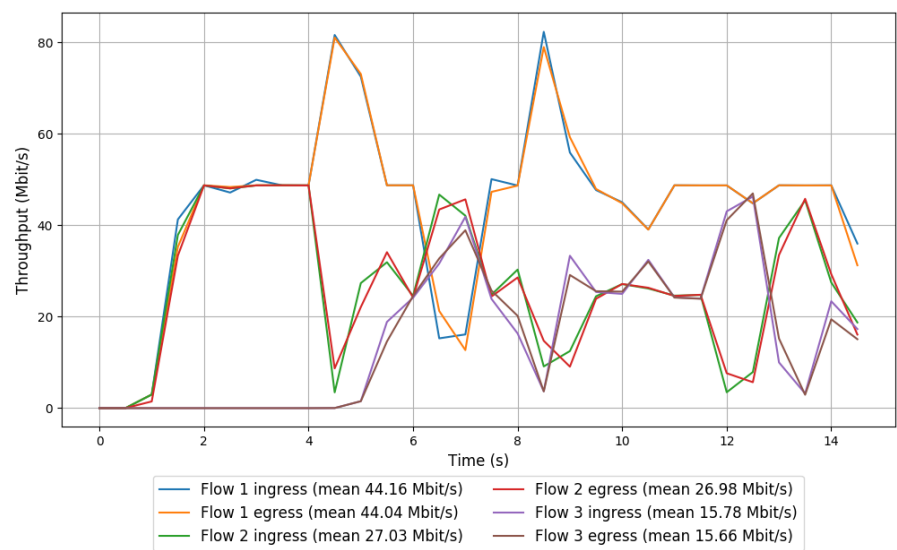
```
Run 4: Statistics of Verus

Start at: Sat, 01 Jul 2017 13:48:38 +0000
End at: Sat, 01 Jul 2017 13:49:08 +0000
Local clock offset: 0.606 ms
Remote clock offset: -2.83 ms
```

Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: Sat, 01 Jul 2017 14:09:07 +0000
End at: Sat, 01 Jul 2017 14:09:37 +0000
Local clock offset: 0.492 ms
Remote clock offset: -1.051 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:10 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.23 Mbit/s
95th percentile per-packet one-way delay: 82.970 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 46.35 Mbit/s
95th percentile per-packet one-way delay: 61.586 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 21.96 Mbit/s
95th percentile per-packet one-way delay: 83.946 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 7.11 Mbit/s
95th percentile per-packet one-way delay: 84.162 ms
Loss rate: 1.36%
```
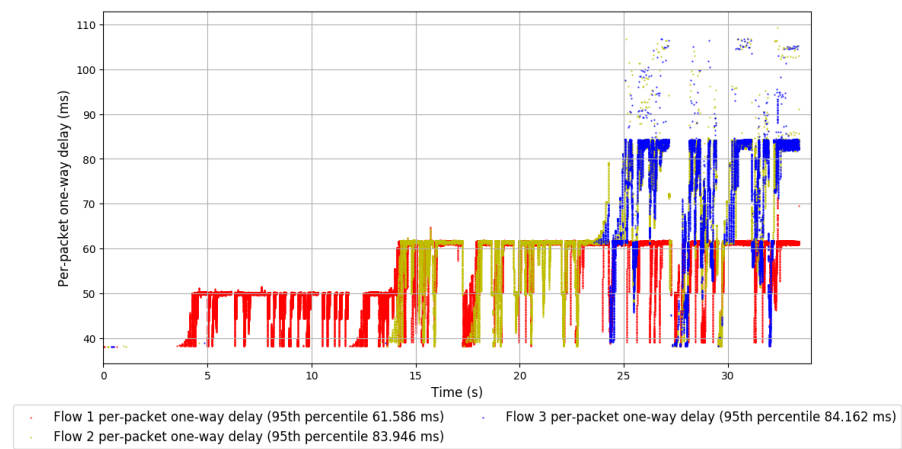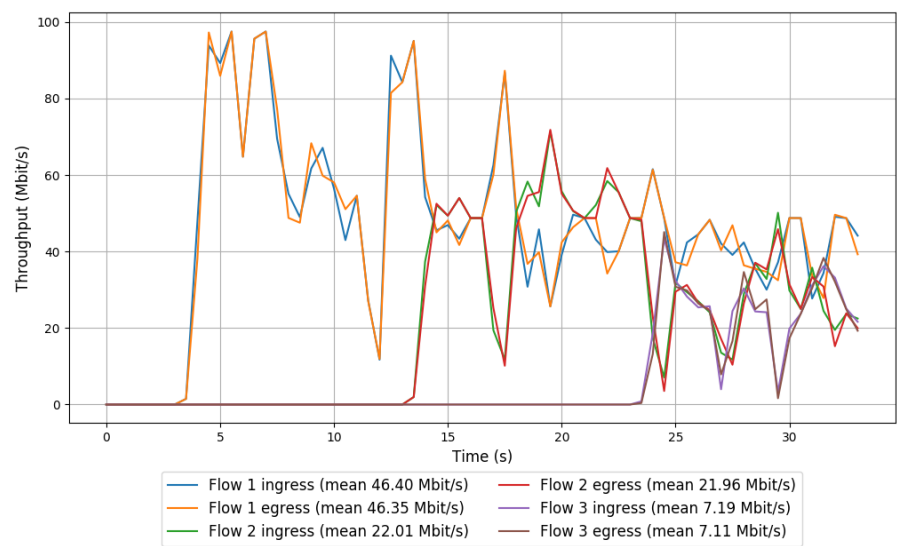
Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 46.40 Mbit/s) Flow 2 egress (mean 21.96 Mbit/s)
Flow 1 egress (mean 46.35 Mbit/s) Flow 3 ingress (mean 7.19 Mbit/s)
Flow 2 ingress (mean 22.01 Mbit/s) Flow 3 egress (mean 7.11 Mbit/s)

. Flow 1 per-packet one-way delay (95th percentile 61.586 ms)   . Flow 3 per-packet one-way delay (95th percentile 84.162 ms)
. Flow 2 per-packet one-way delay (95th percentile 83.946 ms)

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```
Run 6: Statistics of Verus

Start at: Sat, 01 Jul 2017 14:29:50 +0000
End at: Sat, 01 Jul 2017 14:30:20 +0000
Local clock offset: 0.39 ms
Remote clock offset: -2.834 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:10 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.18 Mbit/s
95th percentile per-packet one-way delay: 83.350 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 46.47 Mbit/s
95th percentile per-packet one-way delay: 82.691 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 25.99 Mbit/s
95th percentile per-packet one-way delay: 61.715 ms
Loss rate: 0.68%
-- Flow 3:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 84.160 ms
Loss rate: 1.58%
```
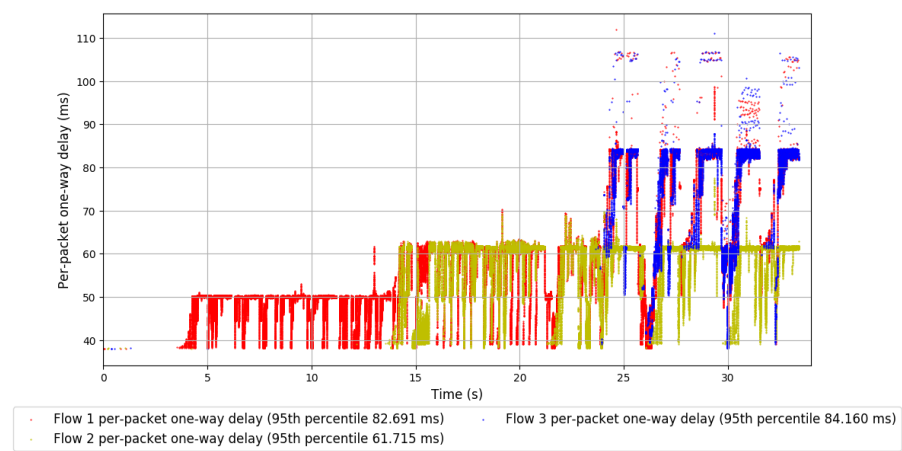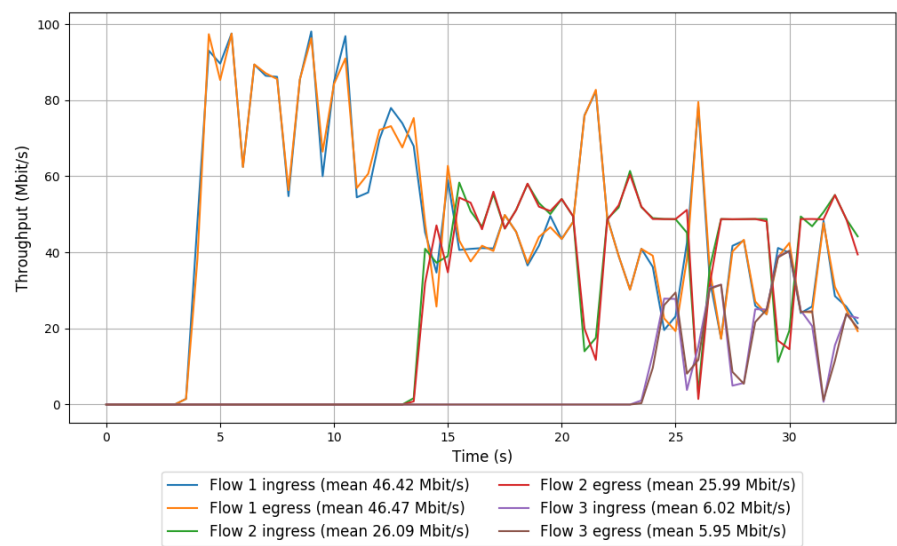
Run 6: Report of Verus — Data Link

- Flow 1 ingress (mean 46.42 Mbit/s)
- Flow 1 egress (mean 46.47 Mbit/s)
- Flow 2 ingress (mean 26.09 Mbit/s)
- Flow 2 egress (mean 25.99 Mbit/s)
- Flow 3 ingress (mean 6.02 Mbit/s)
- Flow 3 egress (mean 5.95 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 82.691 ms)
- Flow 2 per-packet one-way delay (95th percentile 61.715 ms)
- Flow 3 per-packet one-way delay (95th percentile 84.160 ms)

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```
Run 7: Statistics of Verus

Start at: Sat, 01 Jul 2017 14:50:23 +0000
End at: Sat, 01 Jul 2017 14:50:53 +0000
Local clock offset: 0.117 ms
Remote clock offset: -0.896 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.34 Mbit/s
95th percentile per-packet one-way delay: 72.967 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 41.60 Mbit/s
95th percentile per-packet one-way delay: 72.919 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 25.11 Mbit/s
95th percentile per-packet one-way delay: 73.052 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 9.88 Mbit/s
95th percentile per-packet one-way delay: 72.414 ms
Loss rate: 1.19%
```
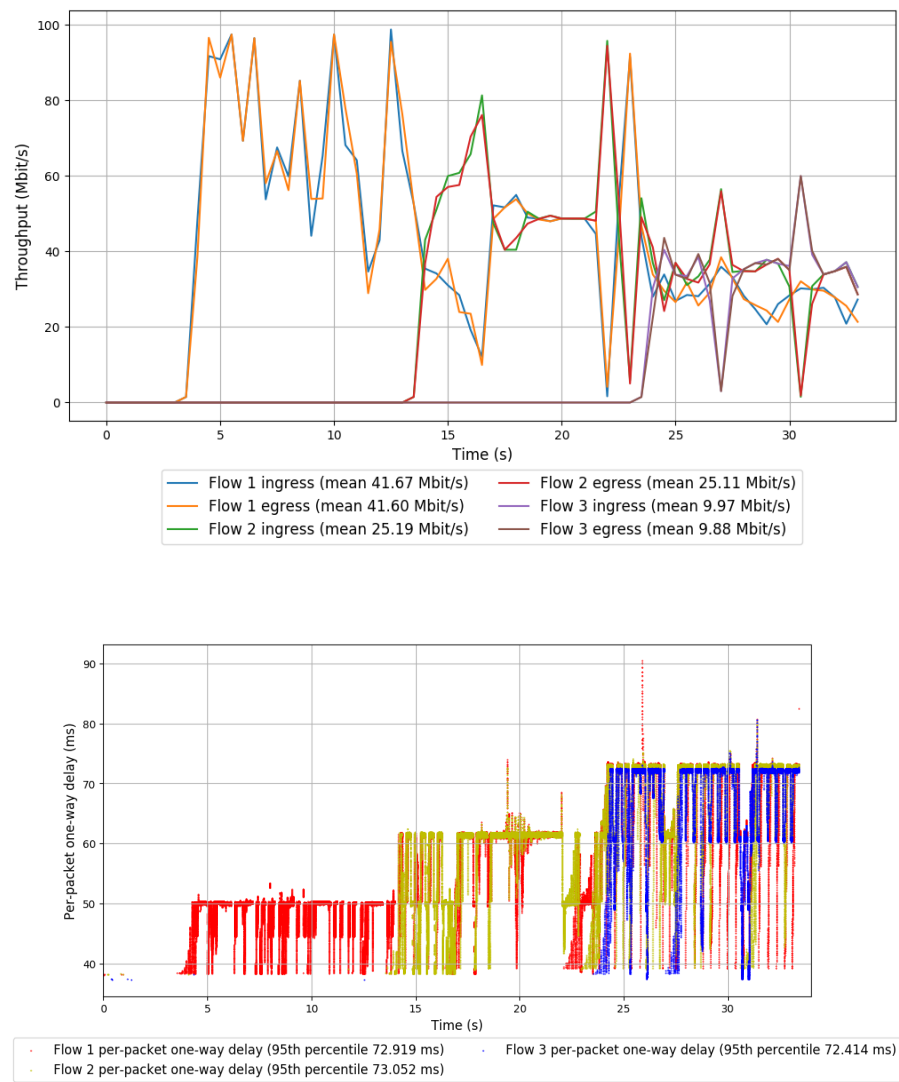
Run 7: Report of Verus — Data Link

Flow 1 ingress (mean 41.67 Mbit/s)   Flow 2 egress (mean 25.11 Mbit/s)
Flow 1 egress (mean 41.60 Mbit/s)   Flow 3 ingress (mean 9.97 Mbit/s)
Flow 2 ingress (mean 25.19 Mbit/s)   Flow 3 egress (mean 9.88 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 72.919 ms)   Flow 3 per-packet one-way delay (95th percentile 72.414 ms)
Flow 2 per-packet one-way delay (95th percentile 73.052 ms)

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```
Run 8: Statistics of Verus

Start at: Sat, 01 Jul 2017 15:11:01 +0000
End at: Sat, 01 Jul 2017 15:11:31 +0000
Local clock offset: 0.191 ms
Remote clock offset: -1.311 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.99 Mbit/s
95th percentile per-packet one-way delay: 72.401 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 71.710 ms
Loss rate: 0.17%
-- Flow 2:
Average throughput: 23.45 Mbit/s
95th percentile per-packet one-way delay: 72.609 ms
Loss rate: 0.55%
-- Flow 3:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 71.909 ms
Loss rate: 1.48%
```
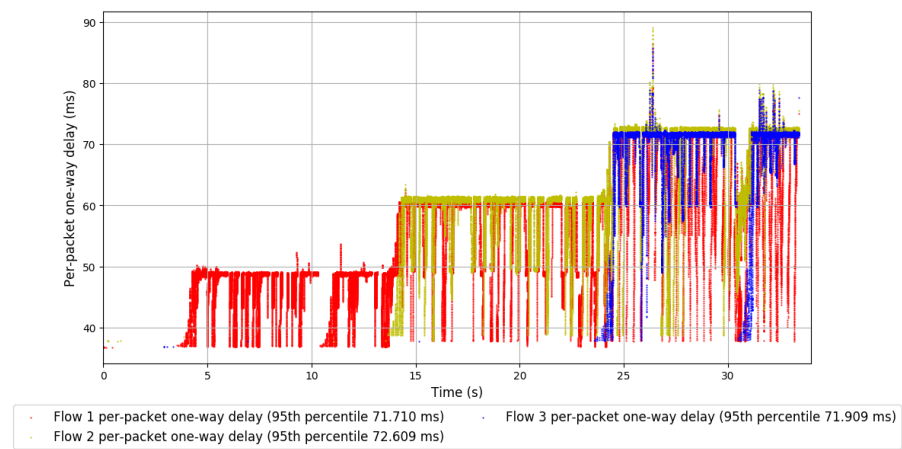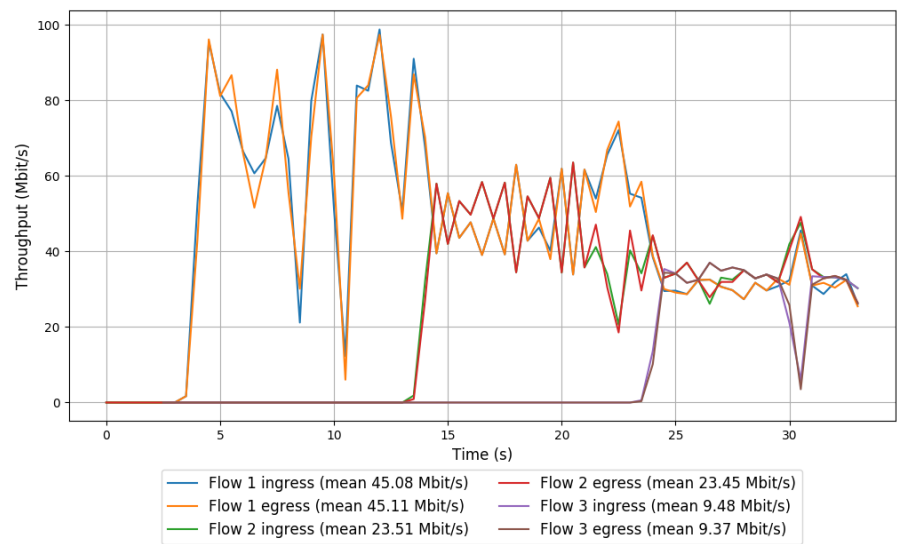
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: Sat, 01 Jul 2017 15:31:43 +0000
End at: Sat, 01 Jul 2017 15:32:13 +0000
Local clock offset: 0.171 ms
Remote clock offset: -1.482 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.94 Mbit/s
95th percentile per-packet one-way delay: 82.238 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 55.73 Mbit/s
95th percentile per-packet one-way delay: 61.055 ms
Loss rate: 0.42%
-- Flow 2:
Average throughput: 22.44 Mbit/s
95th percentile per-packet one-way delay: 82.536 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 5.77 Mbit/s
95th percentile per-packet one-way delay: 82.668 ms
Loss rate: 1.86%
```
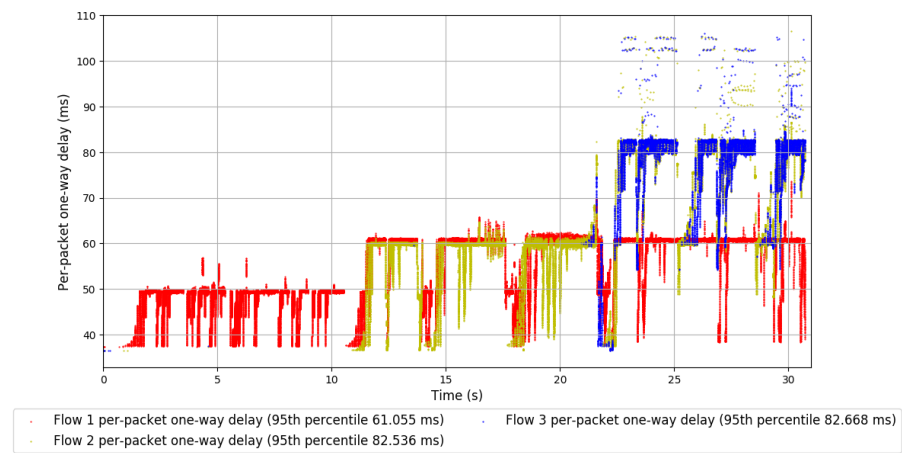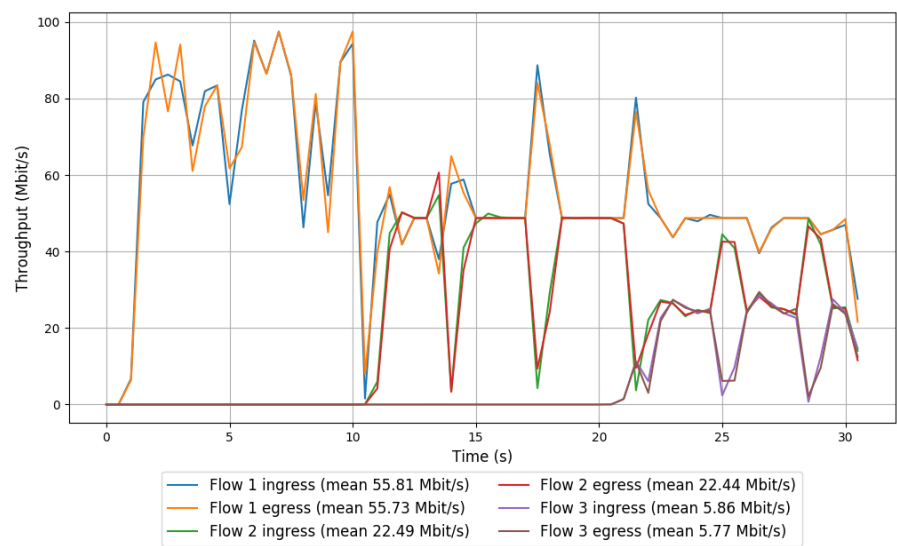
Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 55.81 Mbit/s)
Flow 1 egress (mean 55.73 Mbit/s)
Flow 2 ingress (mean 22.49 Mbit/s)
Flow 2 egress (mean 22.44 Mbit/s)
Flow 3 ingress (mean 5.86 Mbit/s)
Flow 3 egress (mean 5.77 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 61.055 ms)
Flow 2 per-packet one-way delay (95th percentile 82.536 ms)
Flow 3 per-packet one-way delay (95th percentile 82.668 ms)

```
Run 10: Statistics of Verus

Start at: Sat, 01 Jul 2017 15:52:21 +0000
End at: Sat, 01 Jul 2017 15:52:51 +0000
Local clock offset: 0.279 ms
Remote clock offset: -4.284 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.31 Mbit/s
95th percentile per-packet one-way delay: 72.236 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 72.118 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 21.03 Mbit/s
95th percentile per-packet one-way delay: 71.318 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 9.07 Mbit/s
95th percentile per-packet one-way delay: 72.375 ms
Loss rate: 0.00%
```
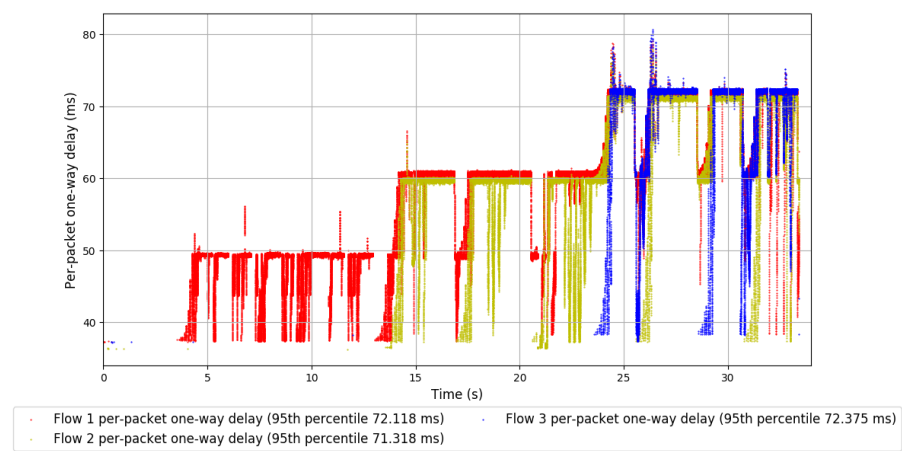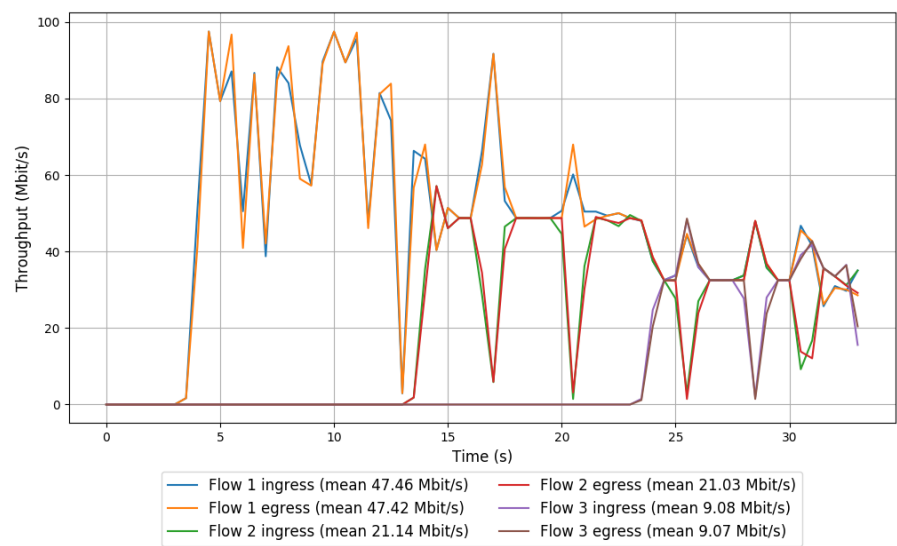
Run 10: Report of Verus — Data Link

- Flow 1 ingress (mean 47.46 Mbit/s)
- Flow 1 egress (mean 47.42 Mbit/s)
- Flow 2 ingress (mean 21.14 Mbit/s)
- Flow 2 egress (mean 21.03 Mbit/s)
- Flow 3 ingress (mean 9.08 Mbit/s)
- Flow 3 egress (mean 9.07 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 72.118 ms)
- Flow 2 per-packet one-way delay (95th percentile 71.318 ms)
- Flow 3 per-packet one-way delay (95th percentile 72.375 ms)

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```
Run 1: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 12:47:49 +0000
End at: Sat, 01 Jul 2017 12:48:19 +0000
Local clock offset: 0.657 ms
Remote clock offset: -1.876 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:35 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 39.939 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 40.066 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 39.207 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 40.393 ms
Loss rate: 1.56%
```
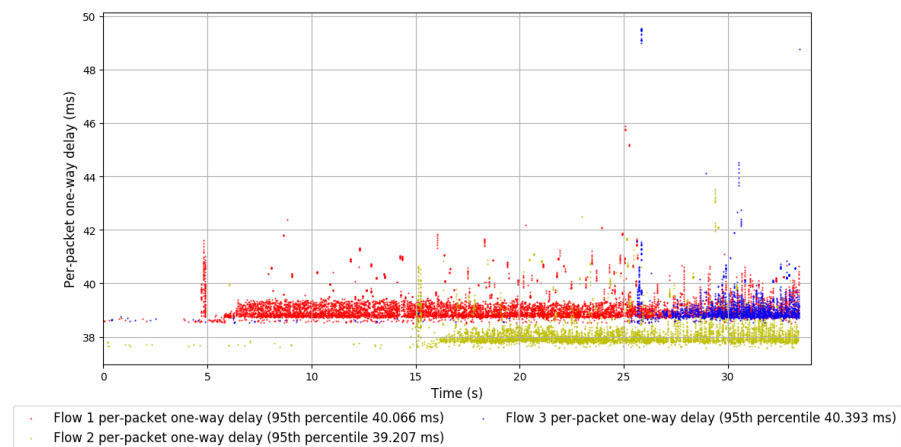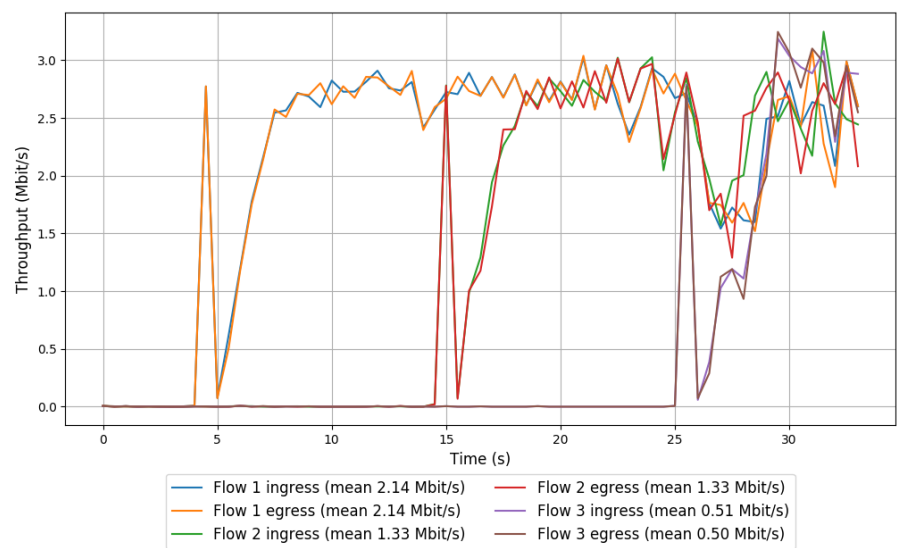
Run 1: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.14 Mbit/s)
Flow 1 egress (mean 2.14 Mbit/s)
Flow 2 ingress (mean 1.33 Mbit/s)
Flow 2 egress (mean 1.33 Mbit/s)
Flow 3 ingress (mean 0.51 Mbit/s)
Flow 3 egress (mean 0.50 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 40.066 ms)
Flow 2 per-packet one-way delay (95th percentile 39.207 ms)
Flow 3 per-packet one-way delay (95th percentile 40.393 ms)

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```
Run 2: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 13:08:35 +0000
End at: Sat, 01 Jul 2017 13:09:05 +0000
Local clock offset: 0.8 ms
Remote clock offset: -0.19 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:36 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 39.758 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 39.655 ms
Loss rate: 0.23%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 39.939 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 0.51 Mbit/s
95th percentile per-packet one-way delay: 39.152 ms
Loss rate: 1.60%
```
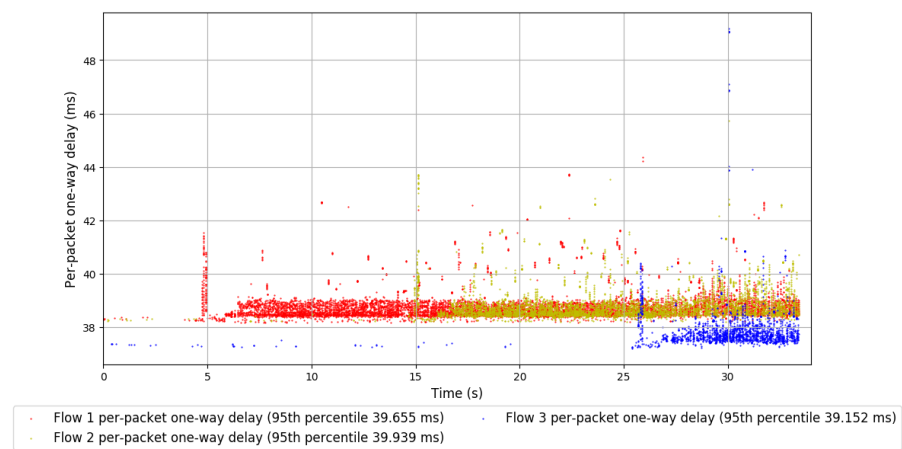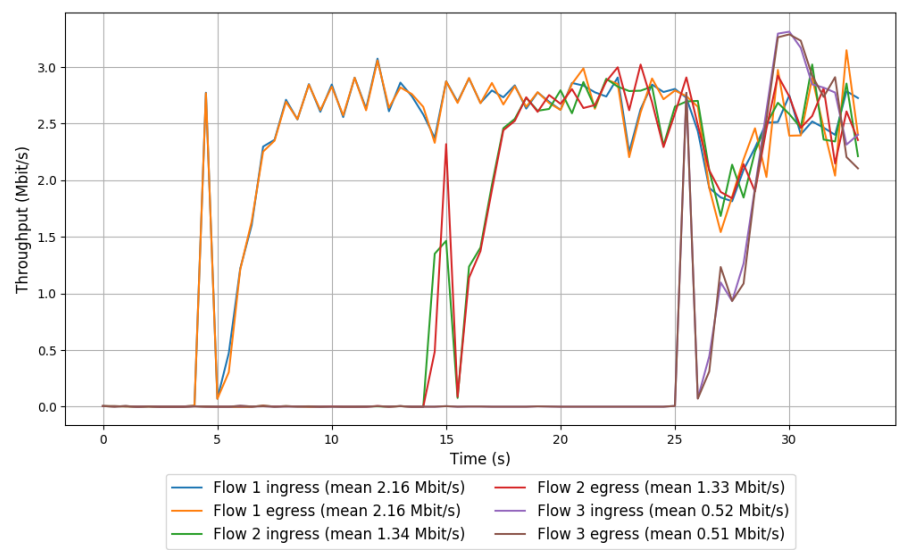
Run 2: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.16 Mbit/s)   Flow 2 egress (mean 1.33 Mbit/s)
Flow 1 egress (mean 2.16 Mbit/s)   Flow 3 ingress (mean 0.52 Mbit/s)
Flow 2 ingress (mean 1.34 Mbit/s)   Flow 3 egress (mean 0.51 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 39.655 ms)   Flow 3 per-packet one-way delay (95th percentile 39.152 ms)
Flow 2 per-packet one-way delay (95th percentile 39.939 ms)

```
Run 3: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 13:29:21 +0000
End at: Sat, 01 Jul 2017 13:29:51 +0000
Local clock offset: 0.783 ms
Remote clock offset: 0.099 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:37 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 39.699 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 39.619 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 39.217 ms
Loss rate: 0.56%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 40.736 ms
Loss rate: 1.18%
```
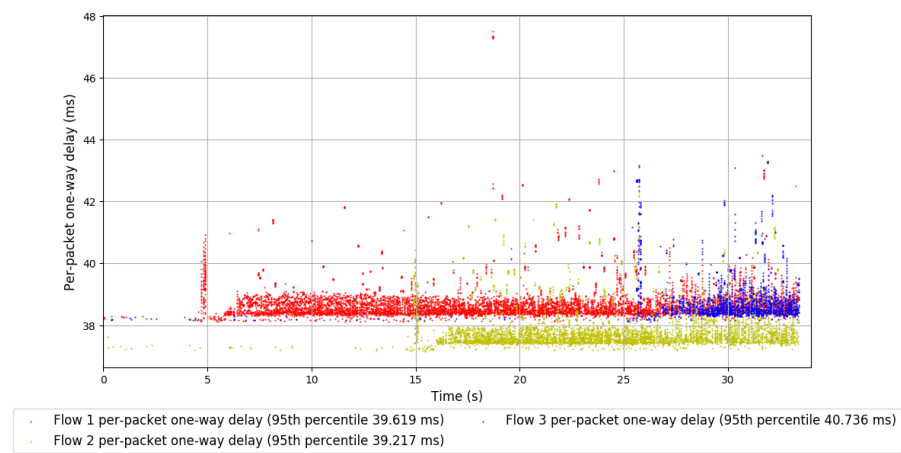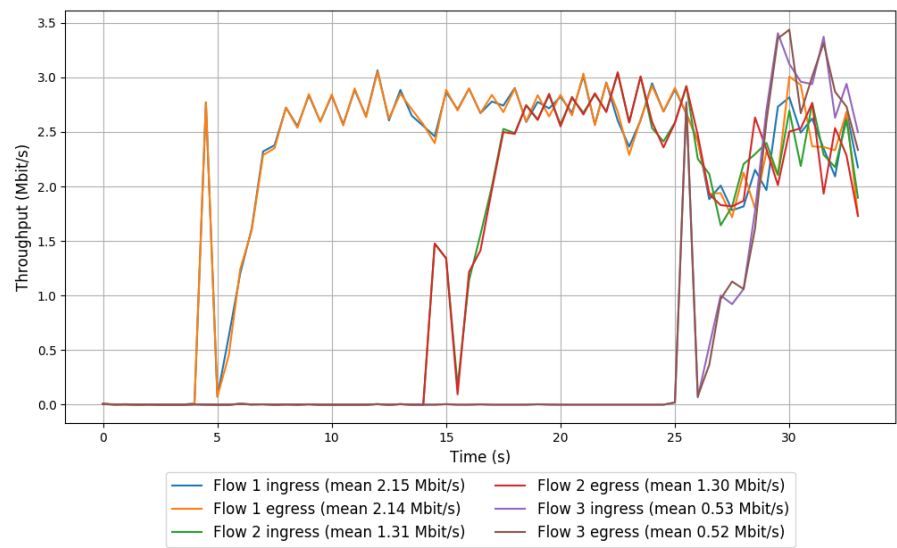
Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.15 Mbit/s)
Flow 1 egress (mean 2.14 Mbit/s)
Flow 2 ingress (mean 1.31 Mbit/s)
Flow 2 egress (mean 1.30 Mbit/s)
Flow 3 ingress (mean 0.53 Mbit/s)
Flow 3 egress (mean 0.52 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 39.619 ms)
Flow 2 per-packet one-way delay (95th percentile 39.217 ms)
Flow 3 per-packet one-way delay (95th percentile 40.736 ms)

```
Run 4: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 13:50:00 +0000
End at: Sat, 01 Jul 2017 13:50:30 +0000
Local clock offset: 0.665 ms
Remote clock offset: -0.421 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:38 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 38.732 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 38.732 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 38.787 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 38.439 ms
Loss rate: 0.91%
```
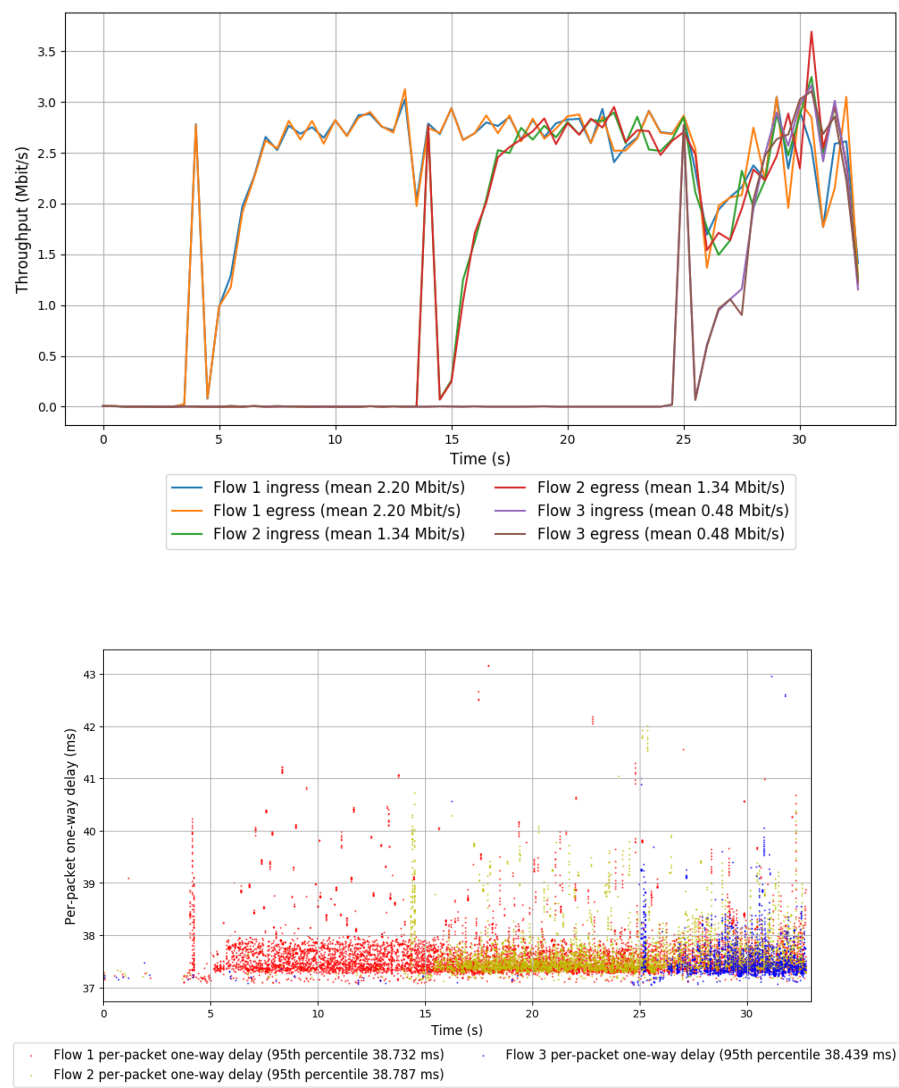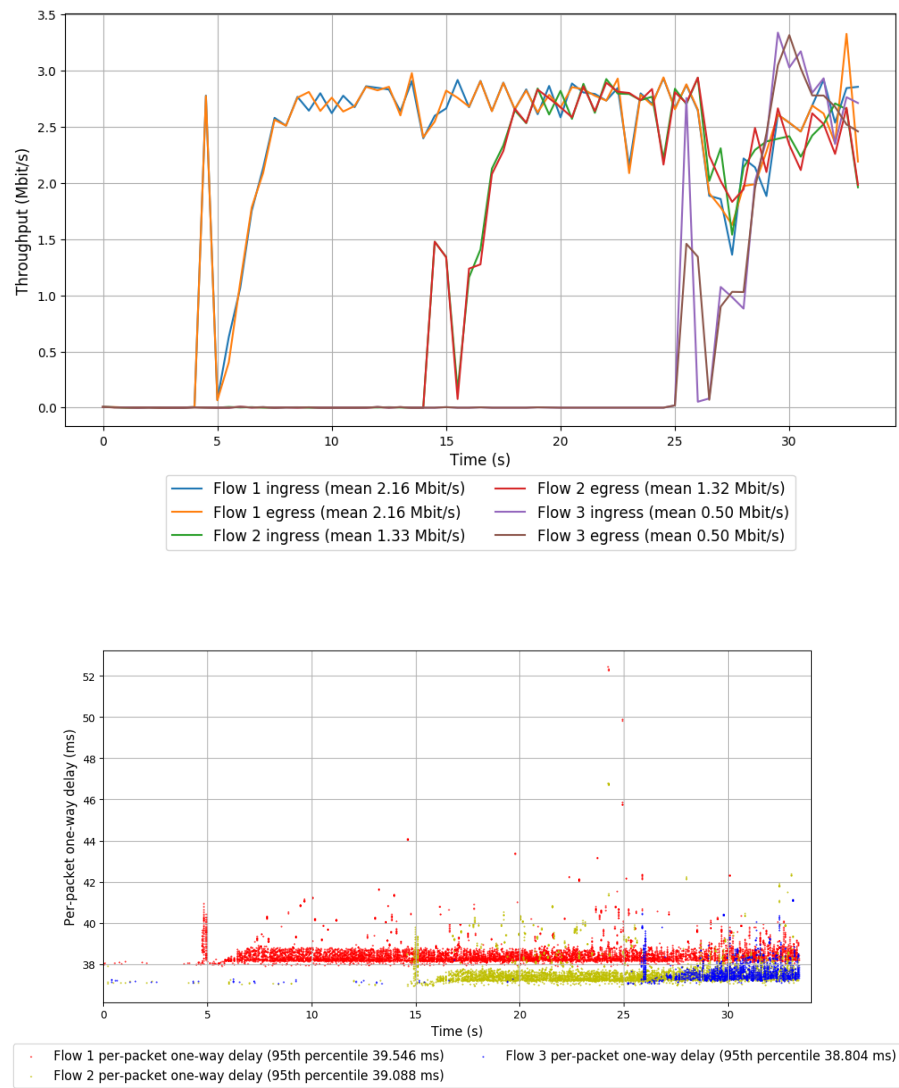
Run 4: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.20 Mbit/s)   Flow 2 egress (mean 1.34 Mbit/s)
Flow 1 egress (mean 2.20 Mbit/s)   Flow 3 ingress (mean 0.48 Mbit/s)
Flow 2 ingress (mean 1.34 Mbit/s)   Flow 3 egress (mean 0.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 38.732 ms)   Flow 3 per-packet one-way delay (95th percentile 38.439 ms)
Flow 2 per-packet one-way delay (95th percentile 38.787 ms)

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```
Run 5: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 14:10:32 +0000
End at: Sat, 01 Jul 2017 14:11:02 +0000
Local clock offset: 0.487 ms
Remote clock offset: -0.141 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.97 Mbit/s
95th percentile per-packet one-way delay: 39.325 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 39.546 ms
Loss rate: 0.46%
-- Flow 2:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 39.088 ms
Loss rate: 0.47%
-- Flow 3:
Average throughput: 0.50 Mbit/s
95th percentile per-packet one-way delay: 38.804 ms
Loss rate: 1.48%
```
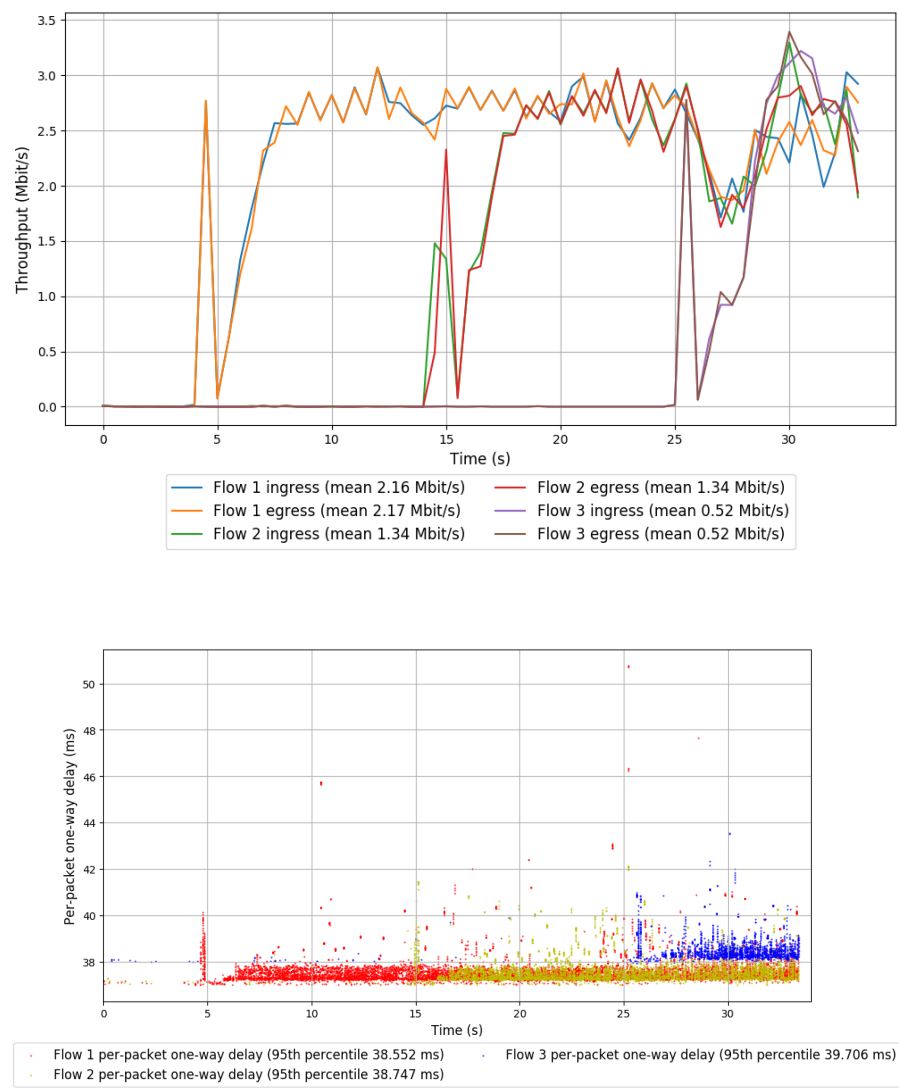
Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.16 Mbit/s)
Flow 1 egress (mean 2.16 Mbit/s)
Flow 2 ingress (mean 1.33 Mbit/s)
Flow 2 egress (mean 1.32 Mbit/s)
Flow 3 ingress (mean 0.50 Mbit/s)
Flow 3 egress (mean 0.50 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 39.546 ms)
Flow 2 per-packet one-way delay (95th percentile 39.088 ms)
Flow 3 per-packet one-way delay (95th percentile 38.804 ms)

```
Run 6: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 14:31:15 +0000
End at: Sat, 01 Jul 2017 14:31:45 +0000
Local clock offset: 0.385 ms
Remote clock offset: -1.181 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:40 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 38.940 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 38.552 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 38.747 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 39.706 ms
Loss rate: 1.47%
```
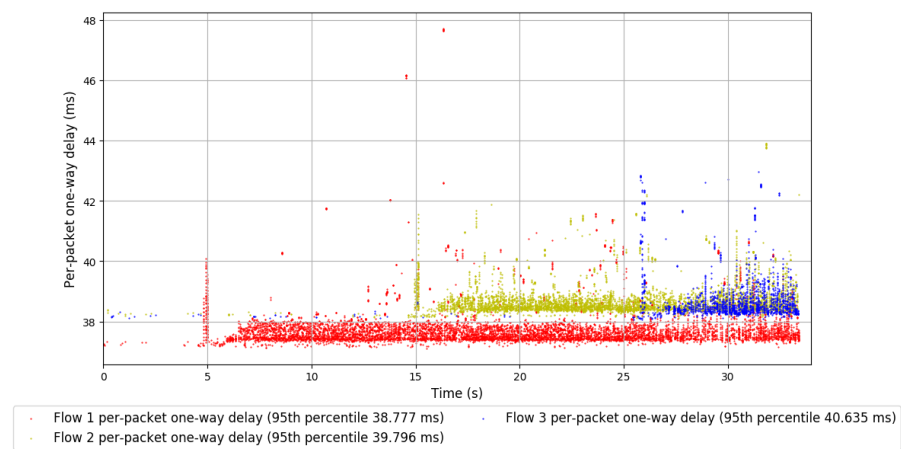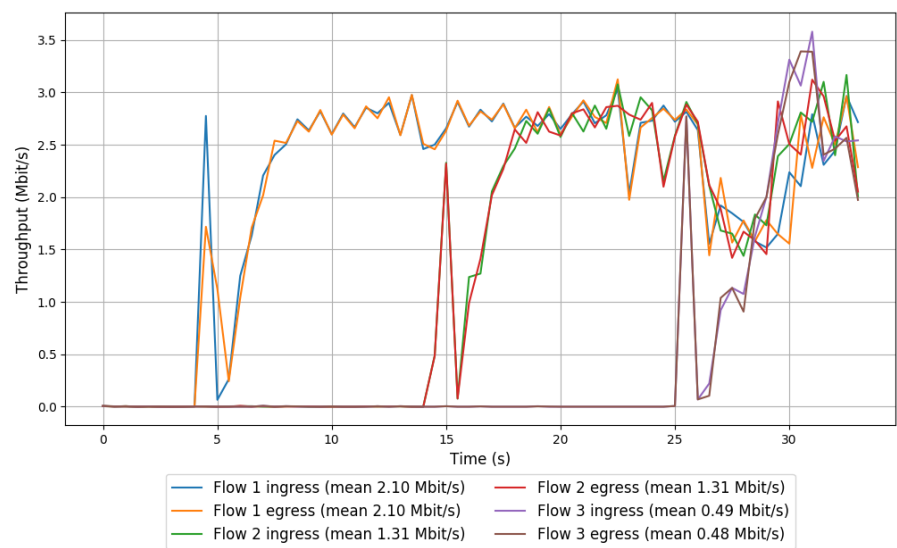
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 14:51:48 +0000
End at: Sat, 01 Jul 2017 14:52:18 +0000
Local clock offset: 0.08 ms
Remote clock offset: -0.946 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 39.531 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 38.777 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 1.31 Mbit/s
95th percentile per-packet one-way delay: 39.796 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 40.635 ms
Loss rate: 2.40%
```

Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 15:12:26 +0000
End at: Sat, 01 Jul 2017 15:12:56 +0000
Local clock offset: 0.206 ms
Remote clock offset: -3.521 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:42 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 39.017 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 38.202 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 39.500 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 39.735 ms
Loss rate: 1.72%
```
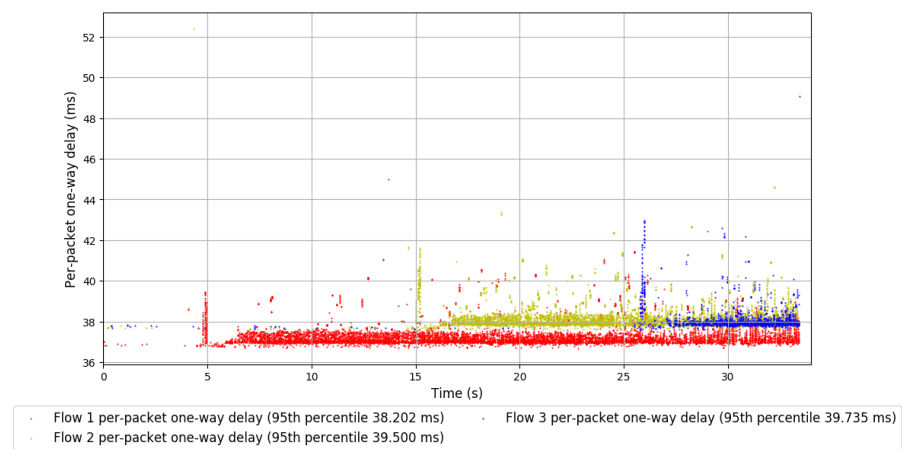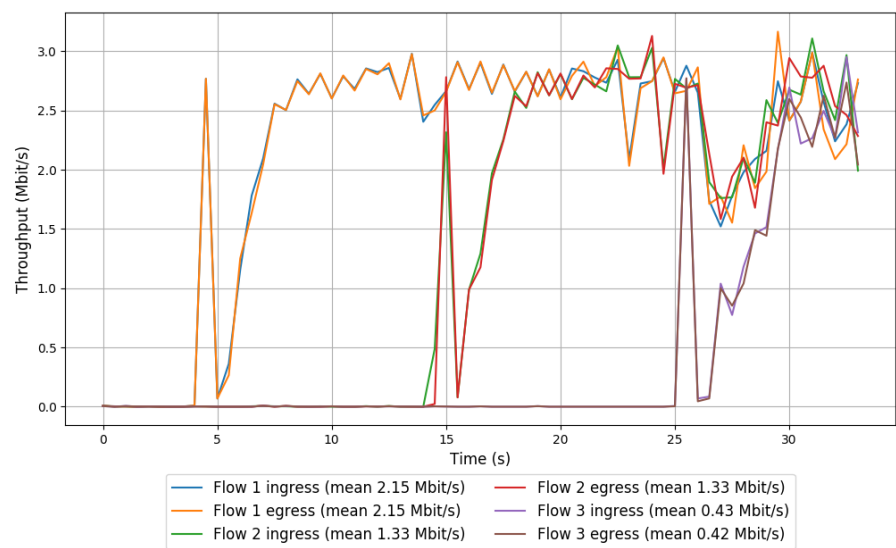
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 15:33:08 +0000
End at: Sat, 01 Jul 2017 15:33:38 +0000
Local clock offset: 0.246 ms
Remote clock offset: -4.02 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 38.889 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 38.774 ms
Loss rate: 0.38%
-- Flow 2:
Average throughput: 1.34 Mbit/s
95th percentile per-packet one-way delay: 39.148 ms
Loss rate: 0.51%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 38.157 ms
Loss rate: 1.43%
```
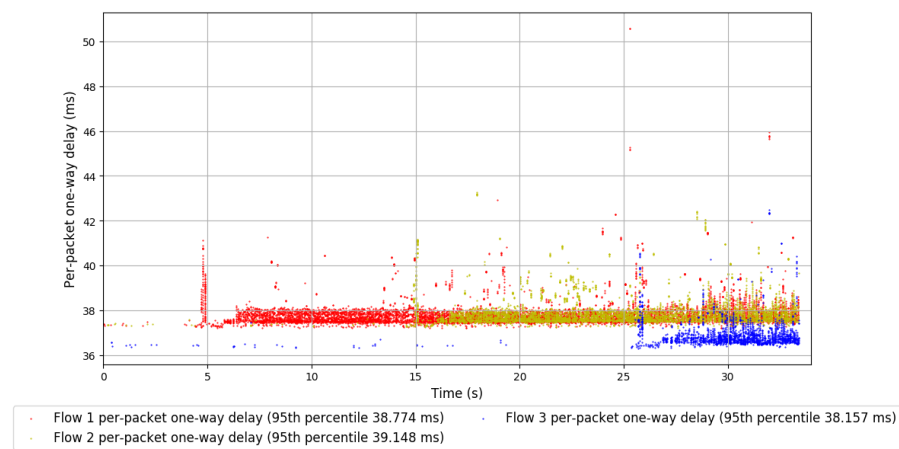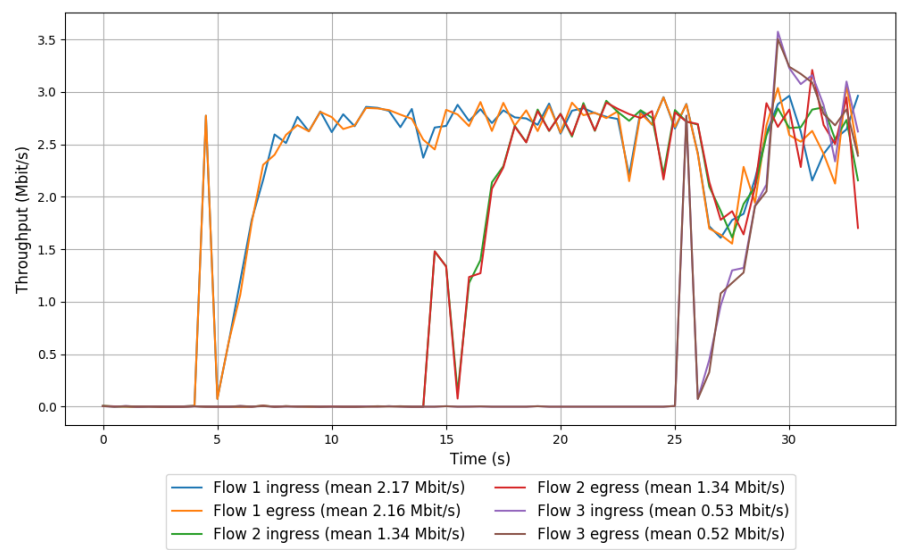
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 15:53:46 +0000
End at: Sat, 01 Jul 2017 15:54:16 +0000
Local clock offset: 0.293 ms
Remote clock offset: -1.738 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 17:10:44 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 38.683 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 38.771 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 1.33 Mbit/s
95th percentile per-packet one-way delay: 37.941 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 39.177 ms
Loss rate: 0.69%
```

Run 10: Report of WebRTC media — Data Link