Pantheon Summary (Generated at Sat, 01 Jul 2017 16:58:02 +0000 with pantheon version `55ce618ef3153403f57ca06ffe894ed6887bd36f`)

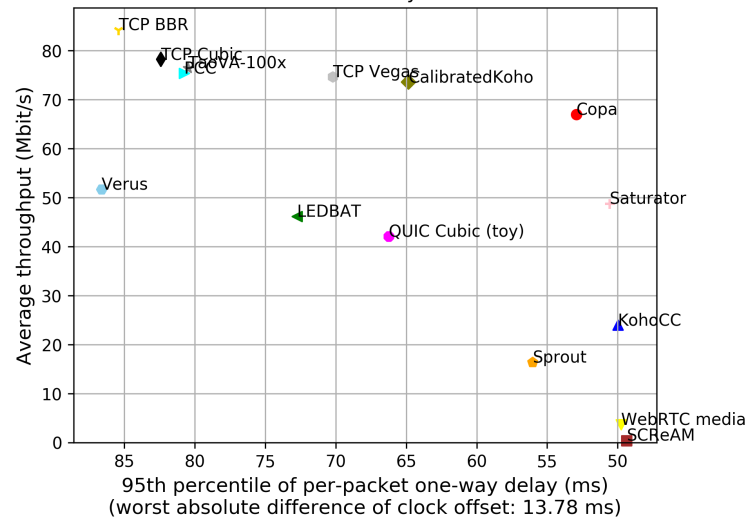Repeated the test of 15 congestion control schemes 10 times.

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

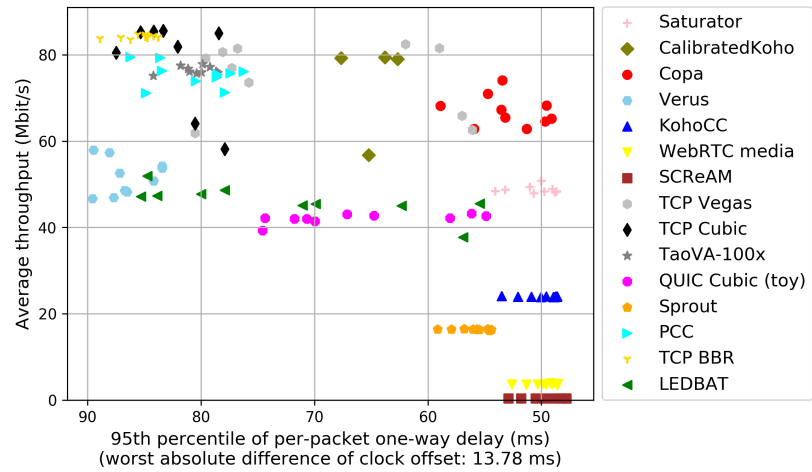Data path **from** AWS California 2 Ethernet **to** Mexico Ethernet.

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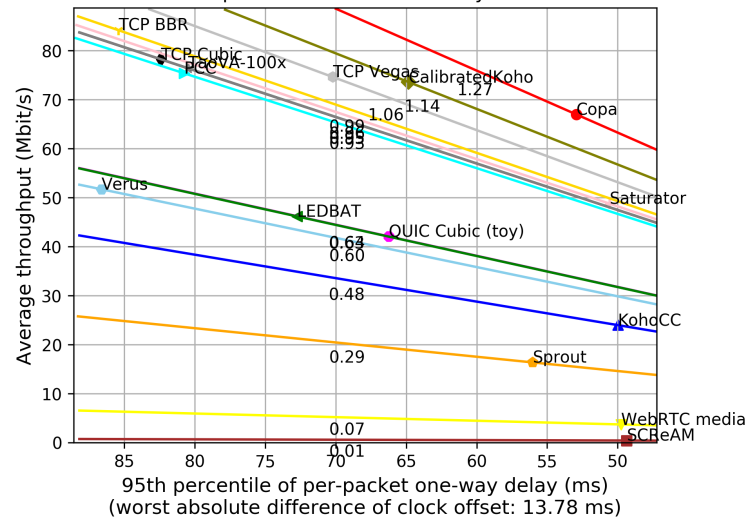
test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
mean of all runs by scheme

95th percentile of per-packet one-way delay (ms)
(worst absolute difference of clock offset: 13.78 ms)

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

95th percentile of per-packet one-way delay (ms)
(worst absolute difference of clock offset: 13.78 ms)

2

test from AWS California 2 Ethernet to Mexico 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 09:23:35 +0000
End at: Sat, 01 Jul 2017 09:24:05 +0000
Local clock offset: -0.339 ms
Remote clock offset: -10.541 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:46:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 88.912 ms
Loss rate: 9.15%
-- Flow 1:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 88.155 ms
Loss rate: 7.21%
-- Flow 2:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 90.020 ms
Loss rate: 11.60%
-- Flow 3:
Average throughput: 9.38 Mbit/s
95th percentile per-packet one-way delay: 89.719 ms
Loss rate: 15.19%
```
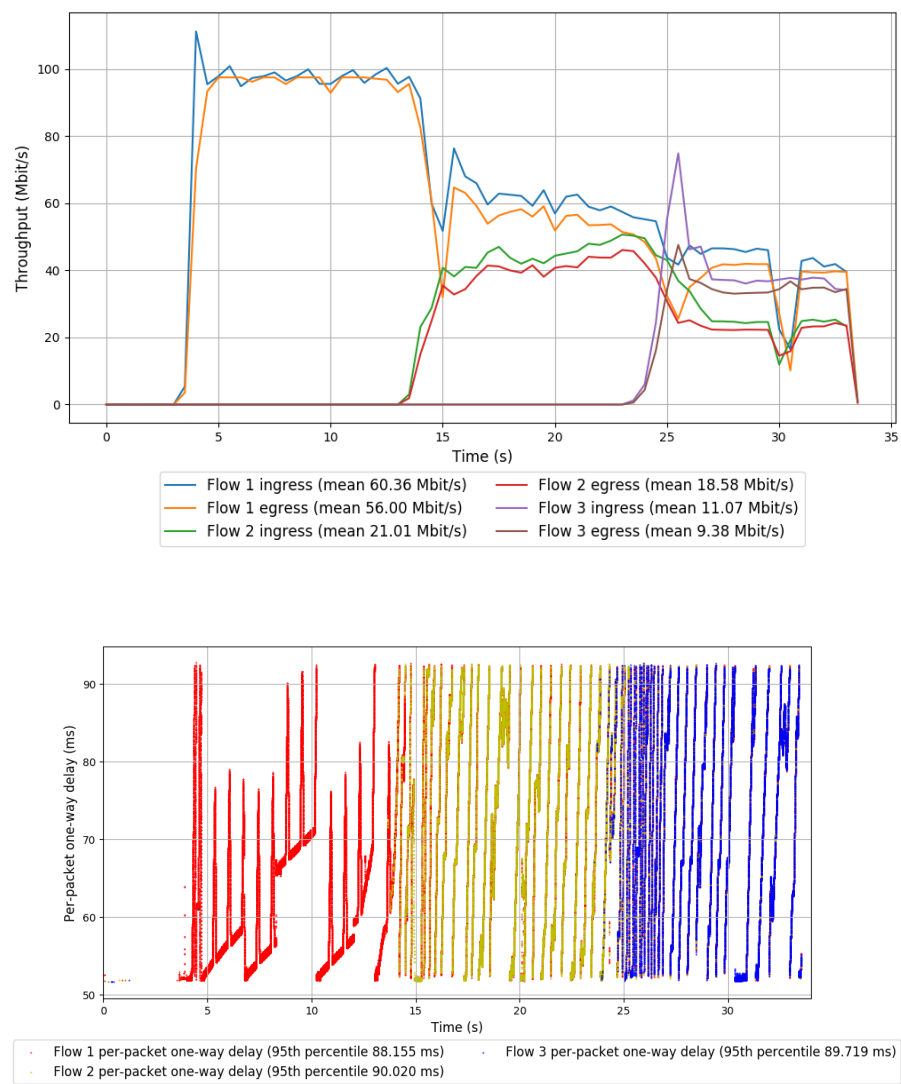
Run 1: Report of TCP BBR — Data Link

- Flow 1 ingress (mean 60.36 Mbit/s)
- Flow 1 egress (mean 56.00 Mbit/s)
- Flow 2 ingress (mean 21.01 Mbit/s)
- Flow 2 egress (mean 18.58 Mbit/s)
- Flow 3 ingress (mean 11.07 Mbit/s)
- Flow 3 egress (mean 9.38 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 88.155 ms)
- Flow 2 per-packet one-way delay (95th percentile 90.020 ms)
- Flow 3 per-packet one-way delay (95th percentile 89.719 ms)

```
Run 2: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 09:44:03 +0000
End at: Sat, 01 Jul 2017 09:44:33 +0000
Local clock offset: -0.205 ms
Remote clock offset: -9.091 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:46:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 87.067 ms
Loss rate: 8.56%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 86.365 ms
Loss rate: 7.55%
-- Flow 2:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 87.954 ms
Loss rate: 10.24%
-- Flow 3:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 87.847 ms
Loss rate: 12.44%
```
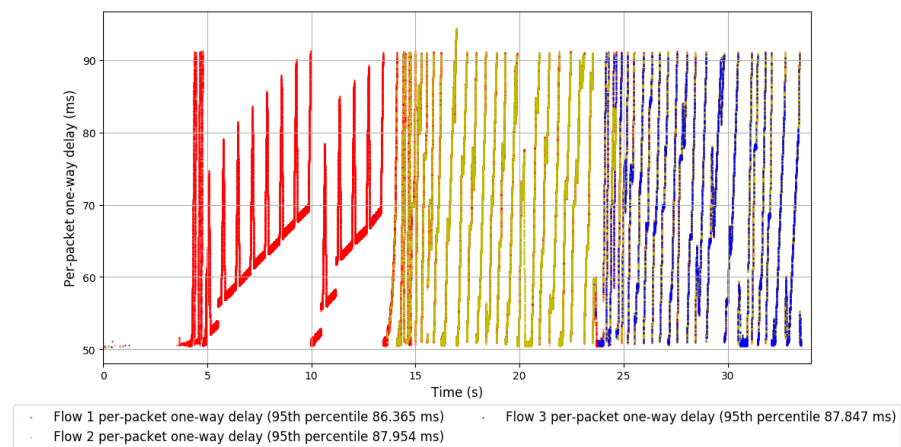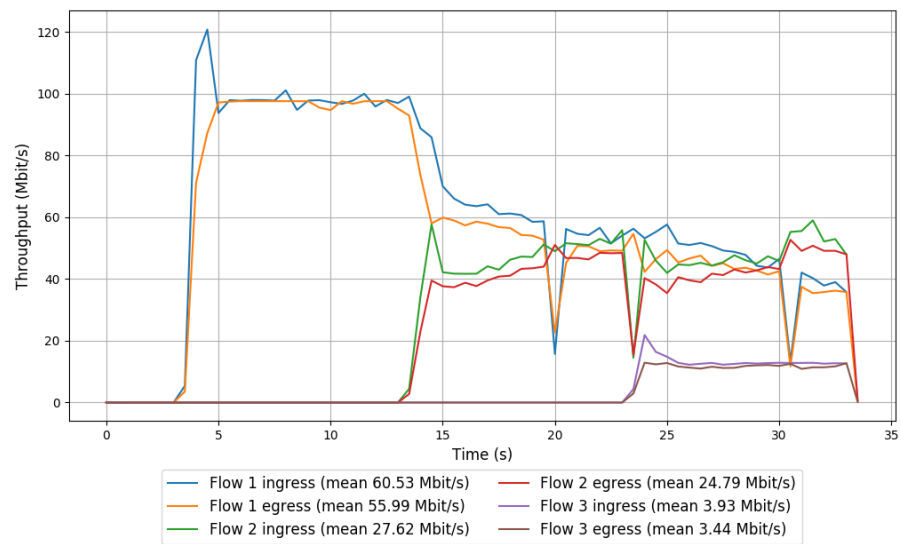
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 60.53 Mbit/s)
Flow 1 egress (mean 55.99 Mbit/s)
Flow 2 ingress (mean 27.62 Mbit/s)
Flow 2 egress (mean 24.79 Mbit/s)
Flow 3 ingress (mean 3.93 Mbit/s)
Flow 3 egress (mean 3.44 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 86.365 ms)
Flow 2 per-packet one-way delay (95th percentile 87.954 ms)
Flow 3 per-packet one-way delay (95th percentile 87.847 ms)

```
Run 3: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 10:04:28 +0000
End at: Sat, 01 Jul 2017 10:04:58 +0000
Local clock offset: -0.103 ms
Remote clock offset: -7.913 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:46:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.55 Mbit/s
95th percentile per-packet one-way delay: 86.219 ms
Loss rate: 7.63%
-- Flow 1:
Average throughput: 59.98 Mbit/s
95th percentile per-packet one-way delay: 85.508 ms
Loss rate: 6.52%
-- Flow 2:
Average throughput: 14.21 Mbit/s
95th percentile per-packet one-way delay: 87.076 ms
Loss rate: 9.41%
-- Flow 3:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 87.247 ms
Loss rate: 11.63%
```
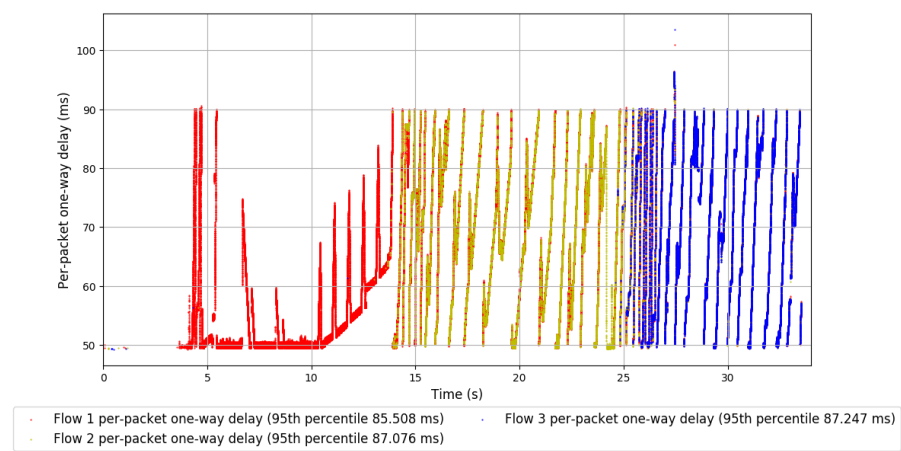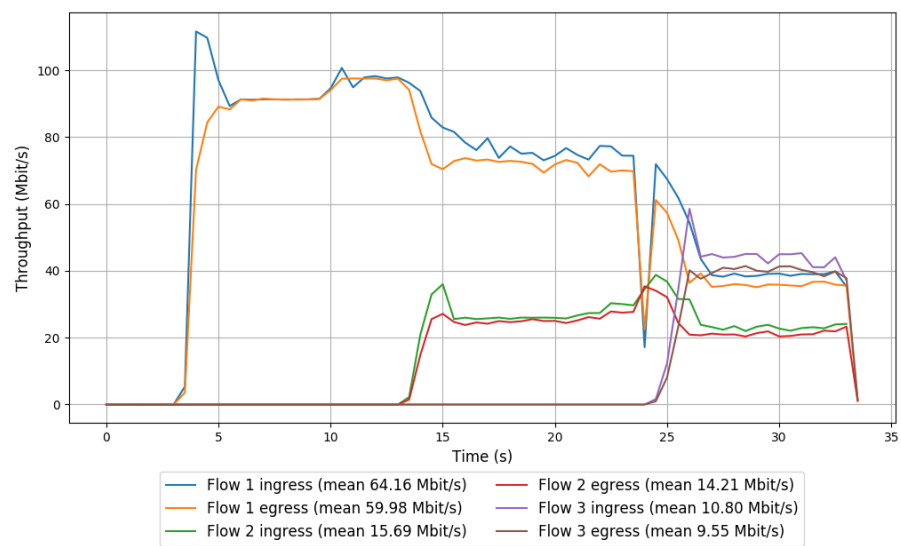
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 64.16 Mbit/s)
Flow 1 egress (mean 59.98 Mbit/s)
Flow 2 ingress (mean 15.69 Mbit/s)
Flow 2 egress (mean 14.21 Mbit/s)
Flow 3 ingress (mean 10.80 Mbit/s)
Flow 3 egress (mean 9.55 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 85.508 ms)
Flow 2 per-packet one-way delay (95th percentile 87.076 ms)
Flow 3 per-packet one-way delay (95th percentile 87.247 ms)

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```
Run 4: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 10:24:57 +0000
End at: Sat, 01 Jul 2017 10:25:27 +0000
Local clock offset: -0.084 ms
Remote clock offset: -7.361 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:46:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.78 Mbit/s
95th percentile per-packet one-way delay: 84.908 ms
Loss rate: 6.45%
-- Flow 1:
Average throughput: 61.31 Mbit/s
95th percentile per-packet one-way delay: 84.191 ms
Loss rate: 5.94%
-- Flow 2:
Average throughput: 14.41 Mbit/s
95th percentile per-packet one-way delay: 85.925 ms
Loss rate: 7.58%
-- Flow 3:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 86.302 ms
Loss rate: 8.07%
```
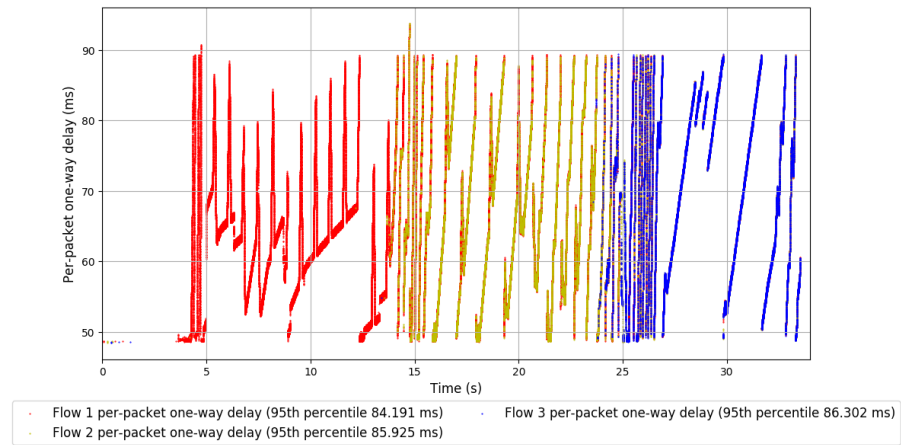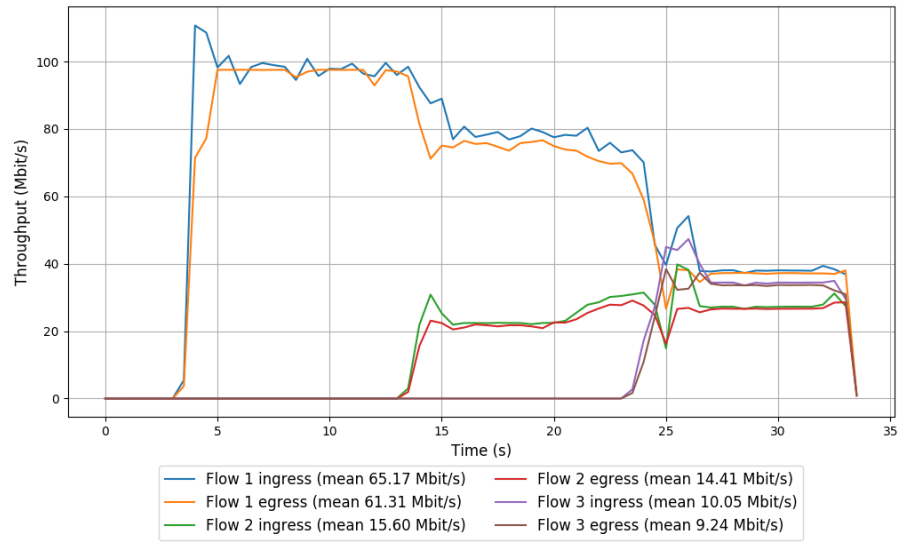
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 65.17 Mbit/s)
Flow 1 egress (mean 61.31 Mbit/s)
Flow 2 ingress (mean 15.60 Mbit/s)
Flow 2 egress (mean 14.41 Mbit/s)
Flow 3 ingress (mean 10.05 Mbit/s)
Flow 3 egress (mean 9.24 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 84.191 ms)
Flow 2 per-packet one-way delay (95th percentile 85.925 ms)
Flow 3 per-packet one-way delay (95th percentile 86.302 ms)

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```
Run 5: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 10:45:29 +0000
End at: Sat, 01 Jul 2017 10:45:59 +0000
Local clock offset: 0.099 ms
Remote clock offset: -9.258 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:47:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.12 Mbit/s
95th percentile per-packet one-way delay: 83.799 ms
Loss rate: 8.25%
-- Flow 1:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: 81.841 ms
Loss rate: 6.14%
-- Flow 2:
Average throughput: 19.48 Mbit/s
95th percentile per-packet one-way delay: 85.036 ms
Loss rate: 10.50%
-- Flow 3:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 85.941 ms
Loss rate: 13.64%
```
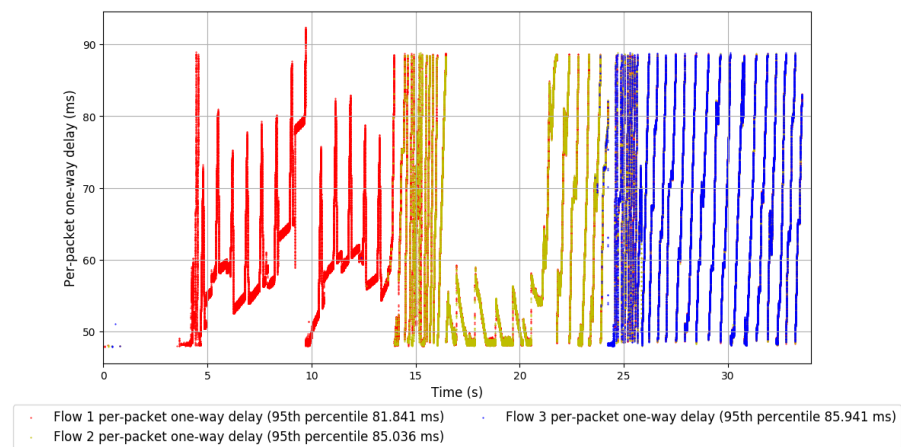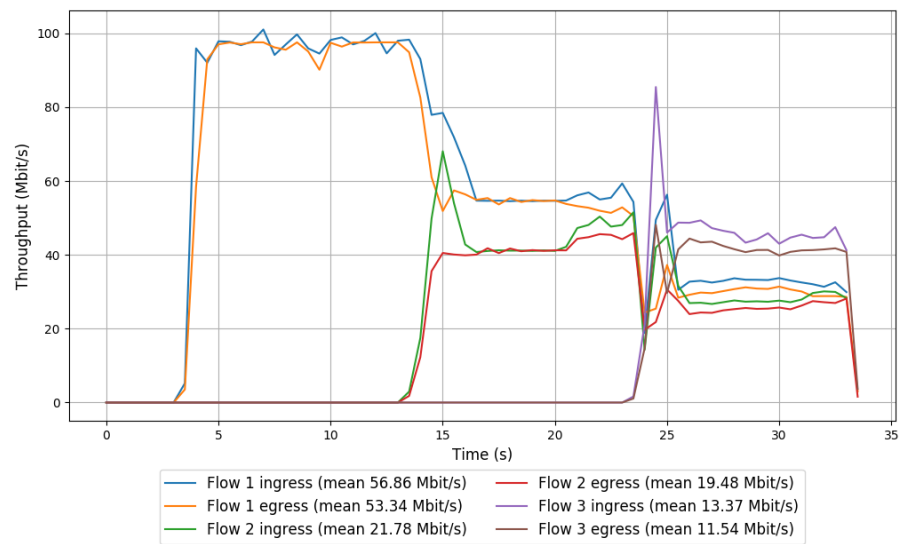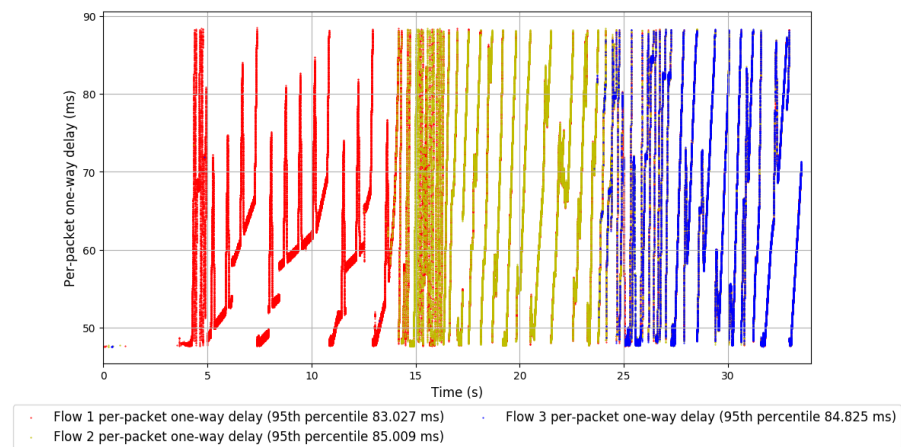
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 56.86 Mbit/s)   Flow 2 egress (mean 19.48 Mbit/s)
Flow 1 egress (mean 53.34 Mbit/s)   Flow 3 ingress (mean 13.37 Mbit/s)
Flow 2 ingress (mean 21.78 Mbit/s)   Flow 3 egress (mean 11.54 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 81.841 ms)   Flow 3 per-packet one-way delay (95th percentile 85.941 ms)
Flow 2 per-packet one-way delay (95th percentile 85.036 ms)

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```
Run 6: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 11:06:07 +0000
End at: Sat, 01 Jul 2017 11:06:37 +0000
Local clock offset: 0.131 ms
Remote clock offset: -6.745 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:47:08 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 84.207 ms
Loss rate: 9.99%
-- Flow 1:
Average throughput: 51.25 Mbit/s
95th percentile per-packet one-way delay: 83.027 ms
Loss rate: 8.07%
-- Flow 2:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 85.009 ms
Loss rate: 14.28%
-- Flow 3:
Average throughput: 9.94 Mbit/s
95th percentile per-packet one-way delay: 84.825 ms
Loss rate: 9.09%
```
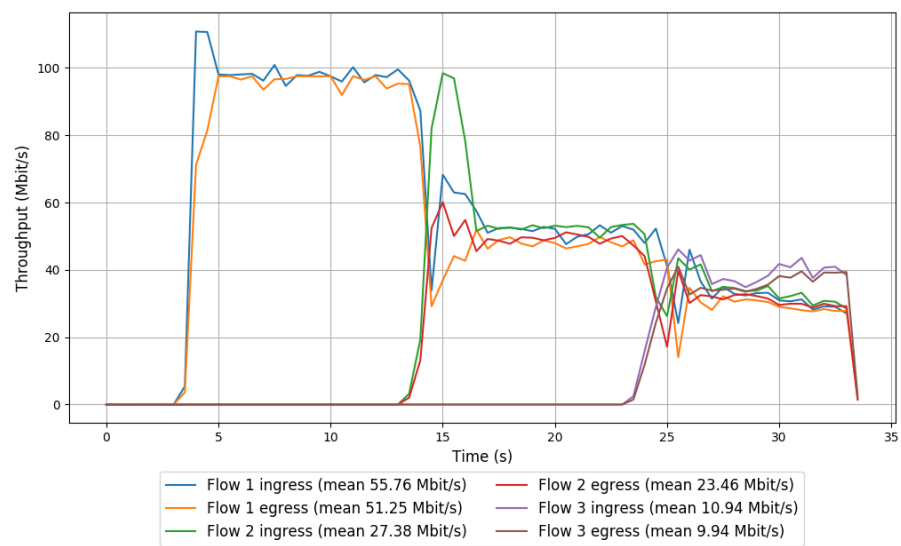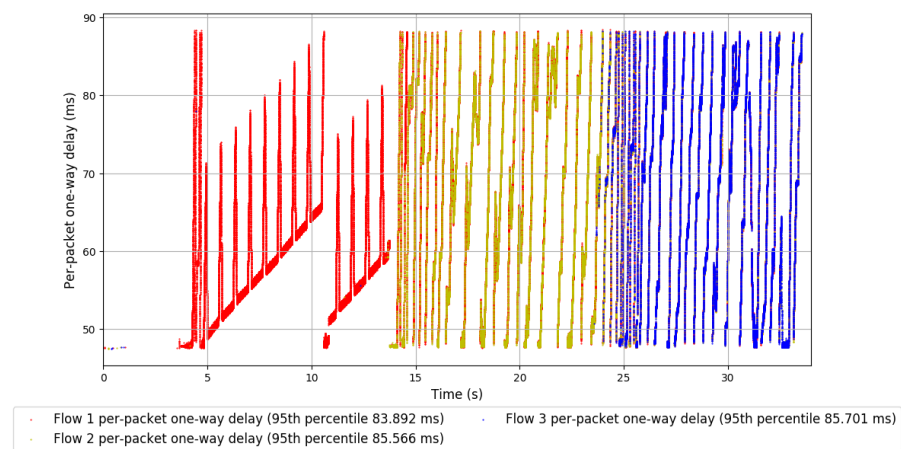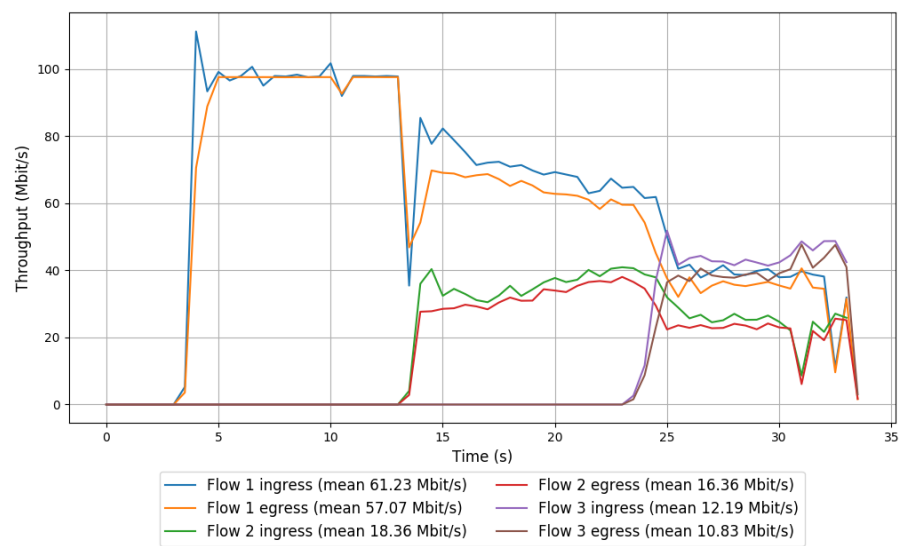
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 55.76 Mbit/s)
Flow 1 egress (mean 51.25 Mbit/s)
Flow 2 ingress (mean 27.38 Mbit/s)
Flow 2 egress (mean 23.46 Mbit/s)
Flow 3 ingress (mean 10.94 Mbit/s)
Flow 3 egress (mean 9.94 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 83.027 ms)
Flow 2 per-packet one-way delay (95th percentile 85.009 ms)
Flow 3 per-packet one-way delay (95th percentile 84.825 ms)

```
Run 7: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 11:26:42 +0000
End at: Sat, 01 Jul 2017 11:27:12 +0000
Local clock offset: 0.315 ms
Remote clock offset: -8.51 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:47:19 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.05 Mbit/s
95th percentile per-packet one-way delay: 84.747 ms
Loss rate: 8.13%
-- Flow 1:
Average throughput: 57.07 Mbit/s
95th percentile per-packet one-way delay: 83.892 ms
Loss rate: 6.73%
-- Flow 2:
Average throughput: 16.36 Mbit/s
95th percentile per-packet one-way delay: 85.566 ms
Loss rate: 10.86%
-- Flow 3:
Average throughput: 10.83 Mbit/s
95th percentile per-packet one-way delay: 85.701 ms
Loss rate: 11.12%
```
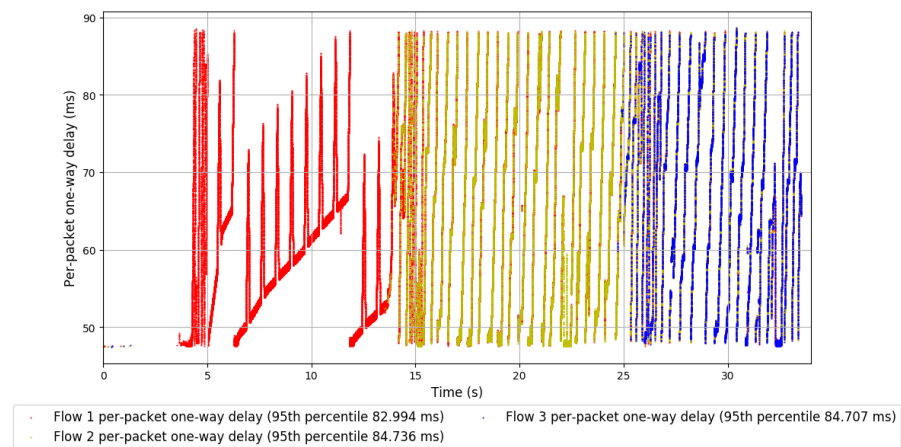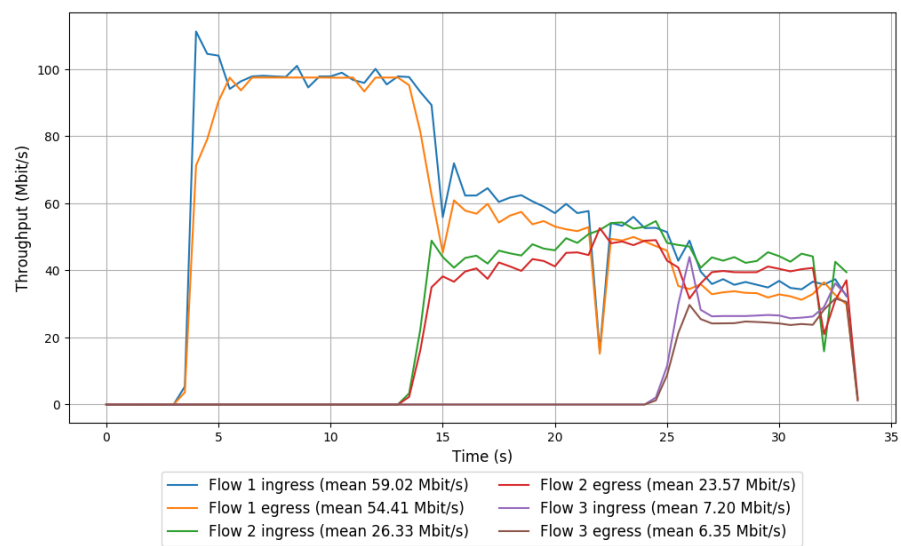
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 61.23 Mbit/s)
Flow 1 egress (mean 57.07 Mbit/s)
Flow 2 ingress (mean 18.36 Mbit/s)
Flow 2 egress (mean 16.36 Mbit/s)
Flow 3 ingress (mean 12.19 Mbit/s)
Flow 3 egress (mean 10.83 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 83.892 ms)
Flow 2 per-packet one-way delay (95th percentile 85.566 ms)
Flow 3 per-packet one-way delay (95th percentile 85.701 ms)

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```
Run 8: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 11:47:19 +0000
End at: Sat, 01 Jul 2017 11:47:49 +0000
Local clock offset: 0.314 ms
Remote clock offset: -5.565 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 16:47:21 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 83.783 ms
Loss rate: 8.85%
-- Flow 1:
Average throughput: 54.41 Mbit/s
95th percentile per-packet one-way delay: 82.994 ms
Loss rate: 7.75%
-- Flow 2:
Average throughput: 23.57 Mbit/s
95th percentile per-packet one-way delay: 84.736 ms
Loss rate: 10.50%
-- Flow 3:
Average throughput: 6.35 Mbit/s
95th percentile per-packet one-way delay: 84.707 ms
Loss rate: 11.82%
```
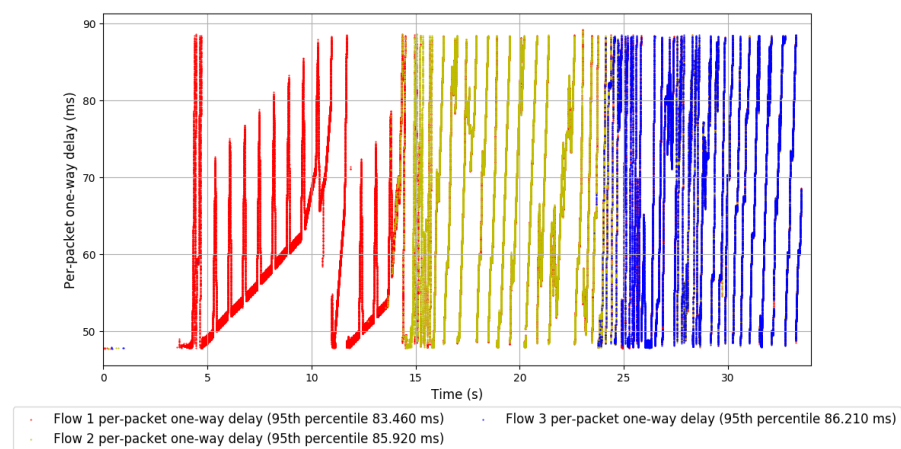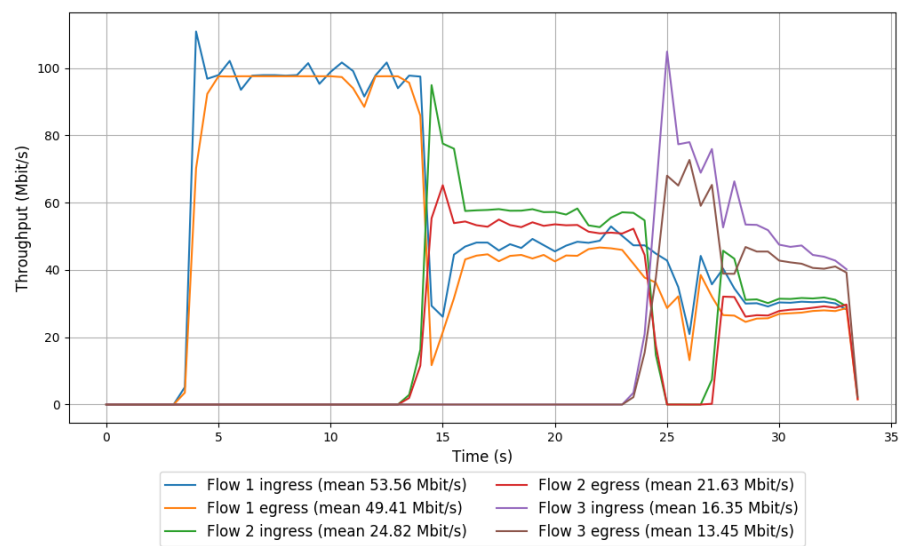
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 59.02 Mbit/s) Flow 2 egress (mean 23.57 Mbit/s)
Flow 1 egress (mean 54.41 Mbit/s)   Flow 3 ingress (mean 7.20 Mbit/s)
Flow 2 ingress (mean 26.33 Mbit/s) Flow 3 egress (mean 6.35 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 82.994 ms)   Flow 3 per-packet one-way delay (95th percentile 84.707 ms)
Flow 2 per-packet one-way delay (95th percentile 84.736 ms)

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```
Run 9: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 12:07:51 +0000
End at: Sat, 01 Jul 2017 12:08:21 +0000
Local clock offset: 0.46 ms
Remote clock offset: 1.607 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:47:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 84.934 ms
Loss rate: 10.75%
-- Flow 1:
Average throughput: 49.41 Mbit/s
95th percentile per-packet one-way delay: 83.460 ms
Loss rate: 7.69%
-- Flow 2:
Average throughput: 21.63 Mbit/s
95th percentile per-packet one-way delay: 85.920 ms
Loss rate: 12.84%
-- Flow 3:
Average throughput: 13.45 Mbit/s
95th percentile per-packet one-way delay: 86.210 ms
Loss rate: 17.69%
```
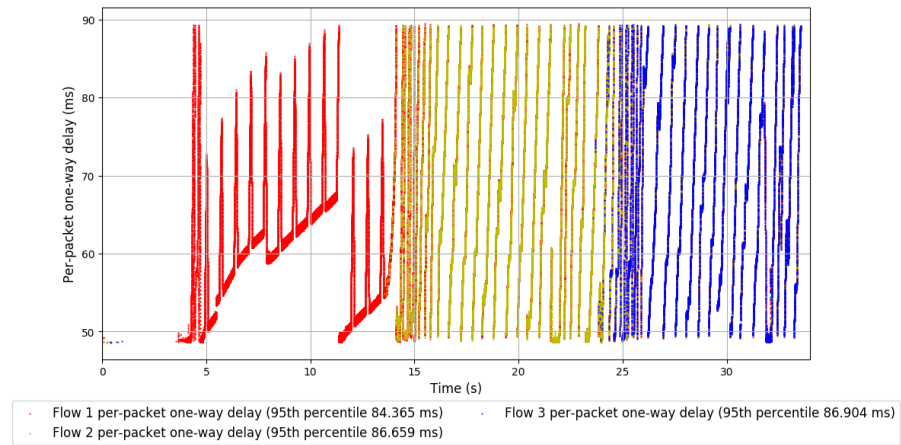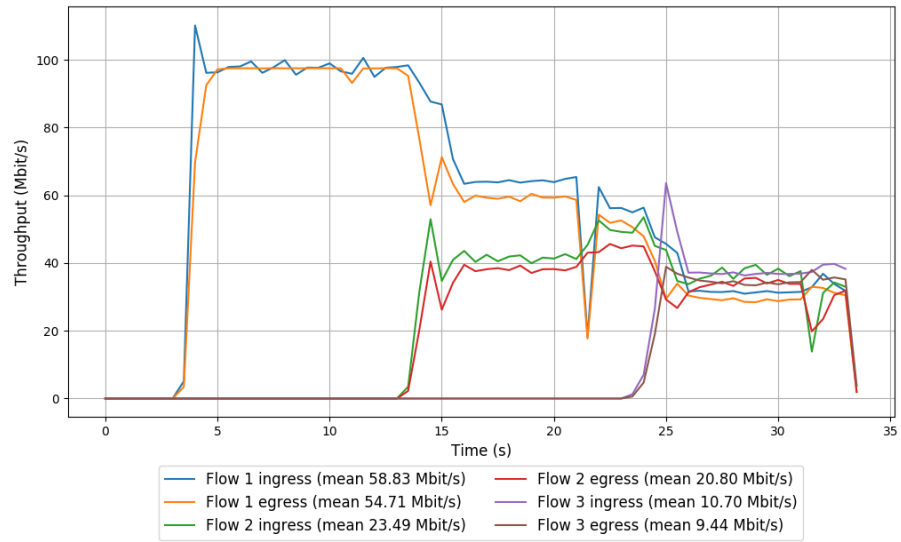
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 53.56 Mbit/s)
Flow 1 egress (mean 49.41 Mbit/s)
Flow 2 ingress (mean 24.82 Mbit/s)
Flow 2 egress (mean 21.63 Mbit/s)
Flow 3 ingress (mean 16.35 Mbit/s)
Flow 3 egress (mean 13.45 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 83.460 ms)
Flow 2 per-packet one-way delay (95th percentile 85.920 ms)
Flow 3 per-packet one-way delay (95th percentile 86.210 ms)

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```
Run 10: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 12:28:31 +0000
End at: Sat, 01 Jul 2017 12:29:01 +0000
Local clock offset: 0.536 ms
Remote clock offset: -1.515 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:47:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.73 Mbit/s
95th percentile per-packet one-way delay: 85.565 ms
Loss rate: 8.59%
-- Flow 1:
Average throughput: 54.71 Mbit/s
95th percentile per-packet one-way delay: 84.365 ms
Loss rate: 6.92%
-- Flow 2:
Average throughput: 20.80 Mbit/s
95th percentile per-packet one-way delay: 86.659 ms
Loss rate: 11.35%
-- Flow 3:
Average throughput: 9.44 Mbit/s
95th percentile per-packet one-way delay: 86.904 ms
Loss rate: 11.76%
```
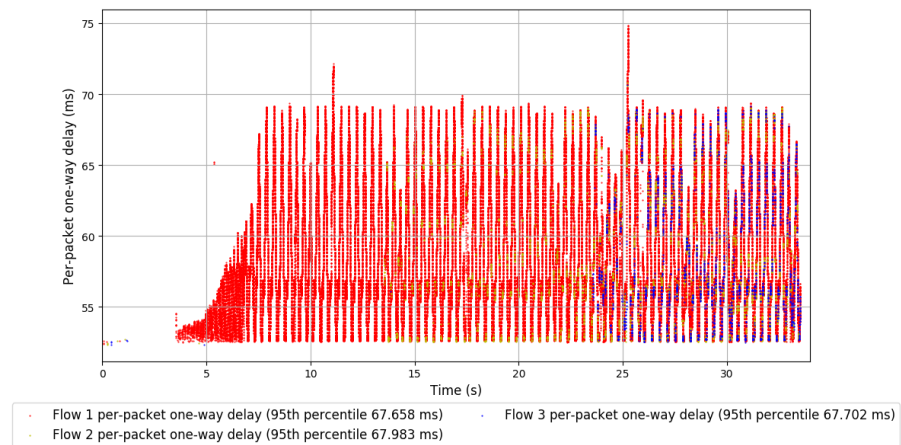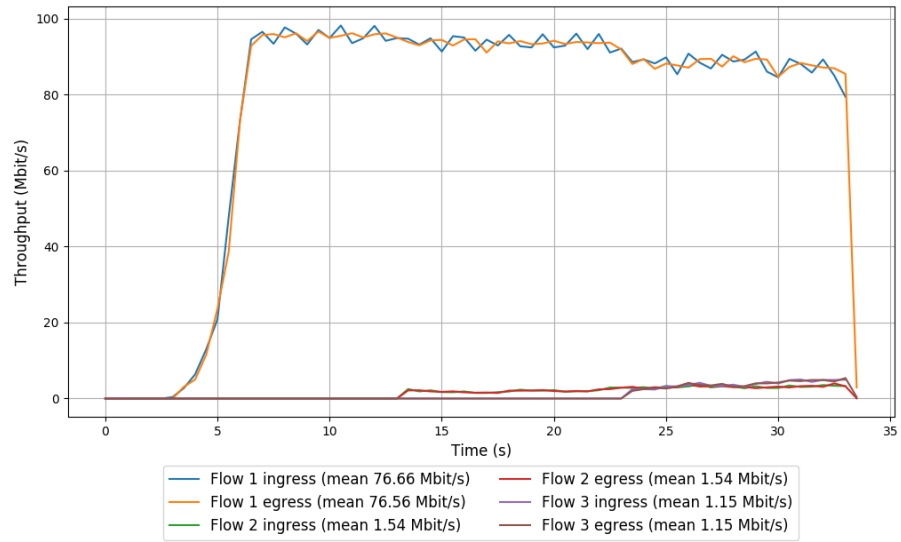
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 58.83 Mbit/s)   Flow 2 egress (mean 20.80 Mbit/s)
Flow 1 egress (mean 54.71 Mbit/s)   Flow 3 ingress (mean 10.70 Mbit/s)
Flow 2 ingress (mean 23.49 Mbit/s)   Flow 3 egress (mean 9.44 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 84.365 ms)   Flow 3 per-packet one-way delay (95th percentile 86.904 ms)
Flow 2 per-packet one-way delay (95th percentile 86.659 ms)
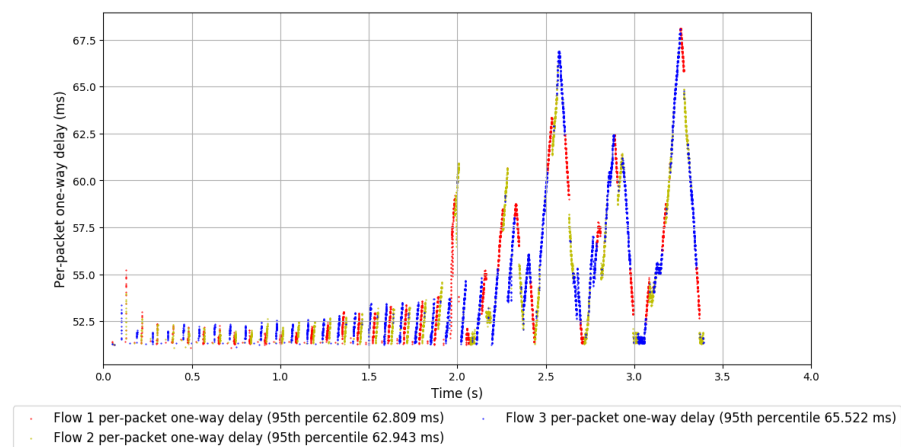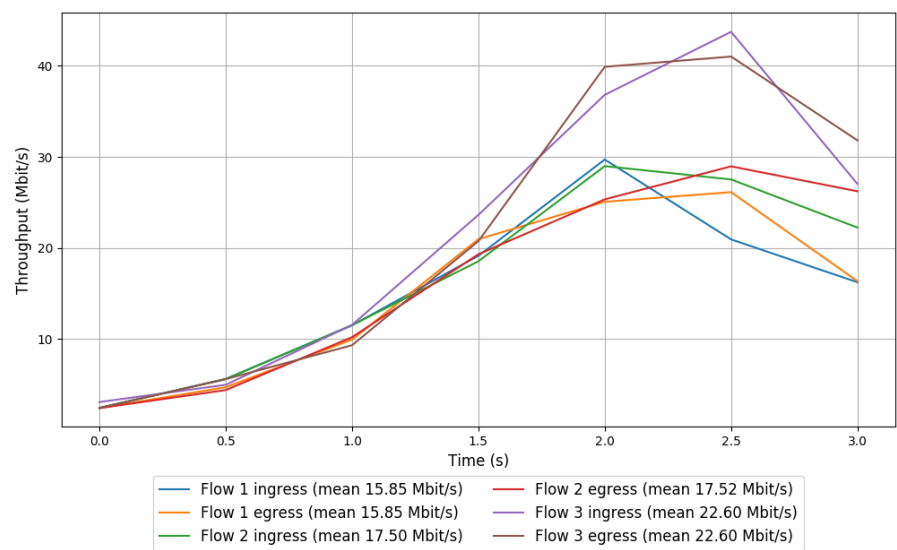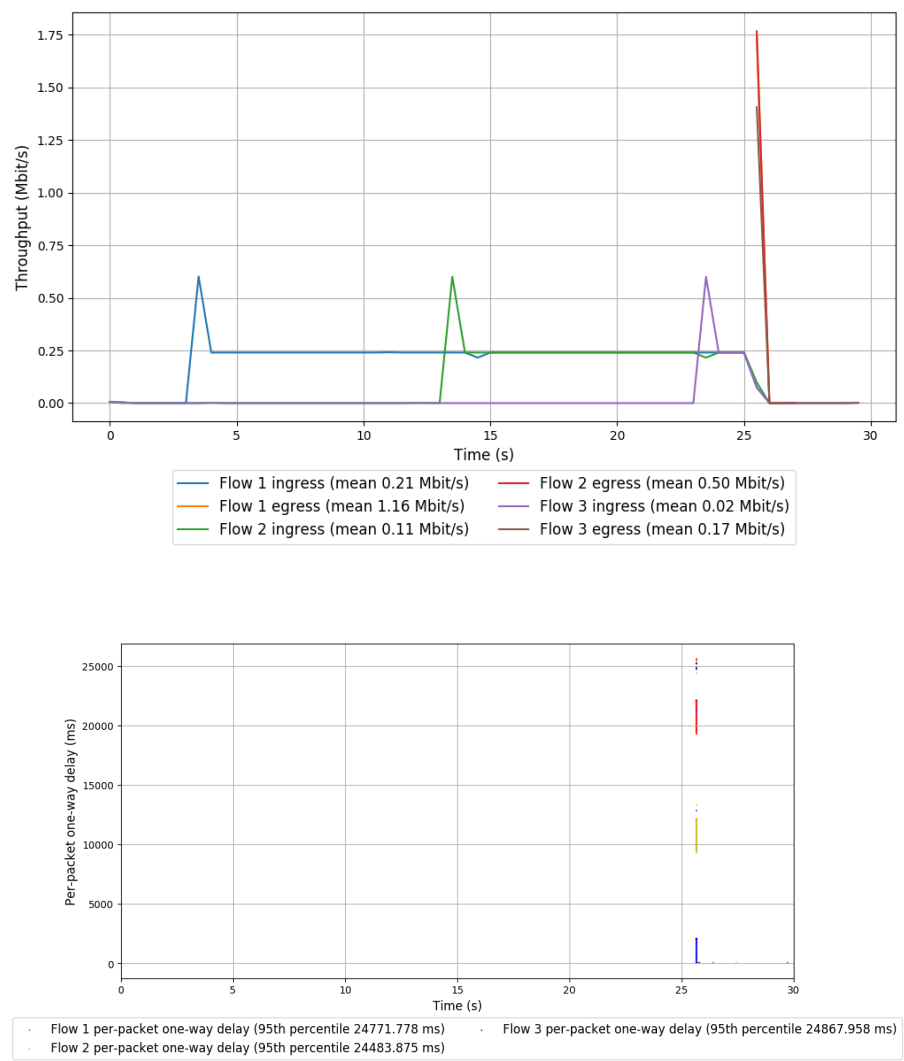
23

```
Run 1: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 09:11:07 +0000
End at: Sat, 01 Jul 2017 09:11:37 +0000
Local clock offset: -0.404 ms
Remote clock offset: -13.828 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:47:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.23 Mbit/s
95th percentile per-packet one-way delay: 67.661 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 76.56 Mbit/s
95th percentile per-packet one-way delay: 67.658 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 67.983 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 67.702 ms
Loss rate: 0.06%
```

Run 1: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 76.66 Mbit/s)
Flow 1 egress (mean 76.56 Mbit/s)
Flow 2 ingress (mean 1.54 Mbit/s)
Flow 2 egress (mean 1.54 Mbit/s)
Flow 3 ingress (mean 1.15 Mbit/s)
Flow 3 egress (mean 1.15 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 67.658 ms)
Flow 2 per-packet one-way delay (95th percentile 67.983 ms)
Flow 3 per-packet one-way delay (95th percentile 67.702 ms)

Run 2: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 09:31:42 +0000
End at: Sat, 01 Jul 2017 09:32:12 +0000
Local clock offset: -0.287 ms
Remote clock offset: -12.589 ms

Run 2: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 15.85 Mbit/s)
Flow 1 egress (mean 15.85 Mbit/s)
Flow 2 ingress (mean 17.50 Mbit/s)
Flow 2 egress (mean 17.52 Mbit/s)
Flow 3 ingress (mean 22.60 Mbit/s)
Flow 3 egress (mean 22.60 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.809 ms)
Flow 2 per-packet one-way delay (95th percentile 62.943 ms)
Flow 3 per-packet one-way delay (95th percentile 65.522 ms)
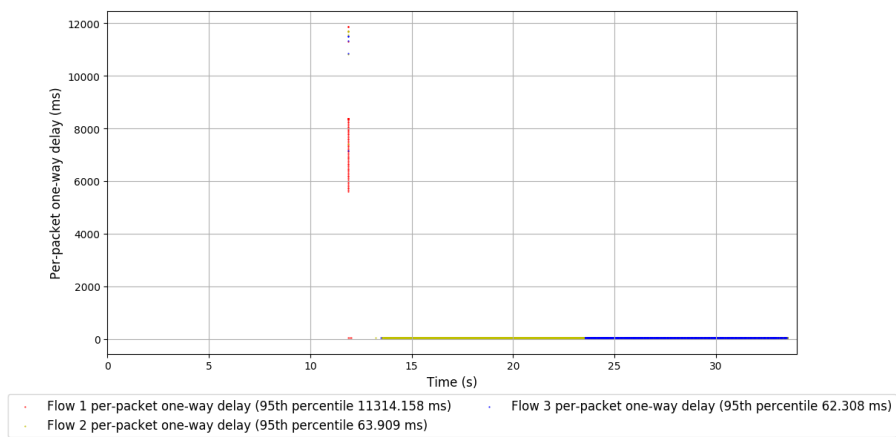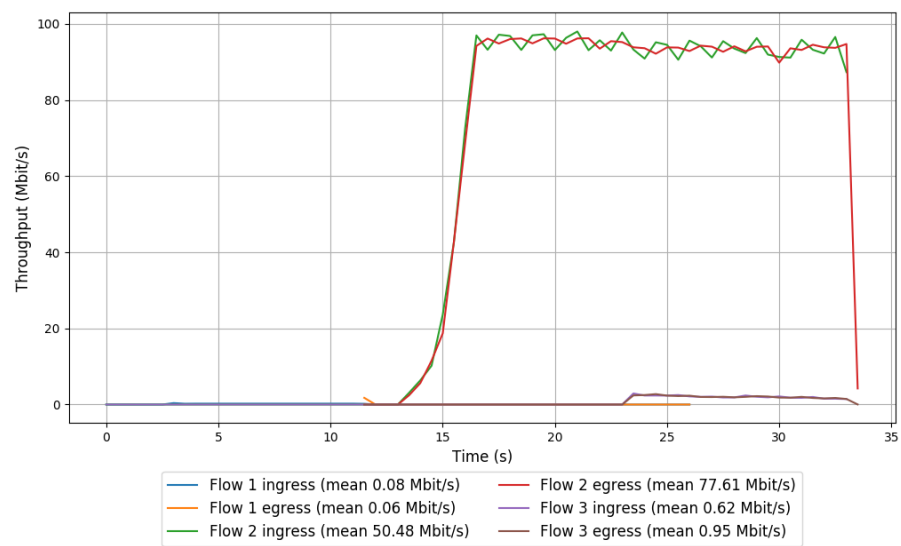
```
Run 3: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 09:52:11 +0000
End at: Sat, 01 Jul 2017 09:52:41 +0000
Local clock offset: -0.191 ms
Remote clock offset: -9.006 ms
```

Run 3: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 0.21 Mbit/s)
Flow 1 egress (mean 1.16 Mbit/s)
Flow 2 ingress (mean 0.11 Mbit/s)
Flow 2 egress (mean 0.50 Mbit/s)
Flow 3 ingress (mean 0.02 Mbit/s)
Flow 3 egress (mean 0.17 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 24771.778 ms)
Flow 2 per-packet one-way delay (95th percentile 24483.875 ms)
Flow 3 per-packet one-way delay (95th percentile 24867.958 ms)

```
Run 4: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 10:12:31 +0000
End at: Sat, 01 Jul 2017 10:13:01 +0000
Local clock offset: -0.066 ms
Remote clock offset: -8.013 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:47:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.76 Mbit/s
95th percentile per-packet one-way delay: 65.218 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 4014.218 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 55.90 Mbit/s
95th percentile per-packet one-way delay: 65.211 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 65.421 ms
Loss rate: 1.28%
```
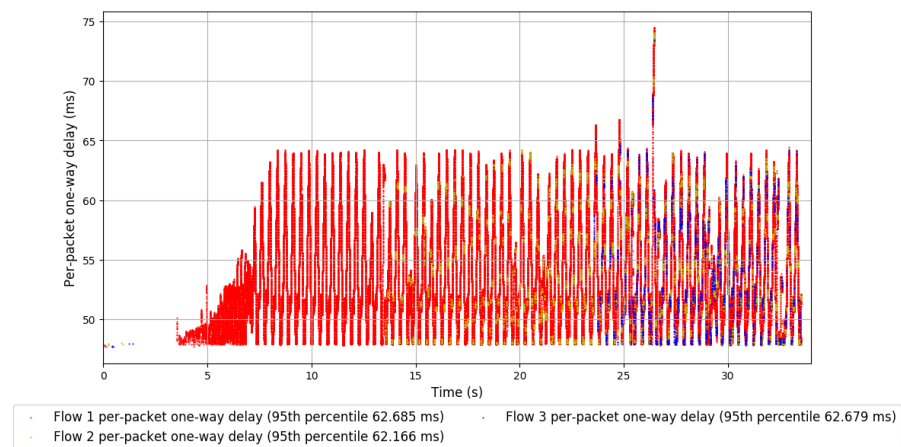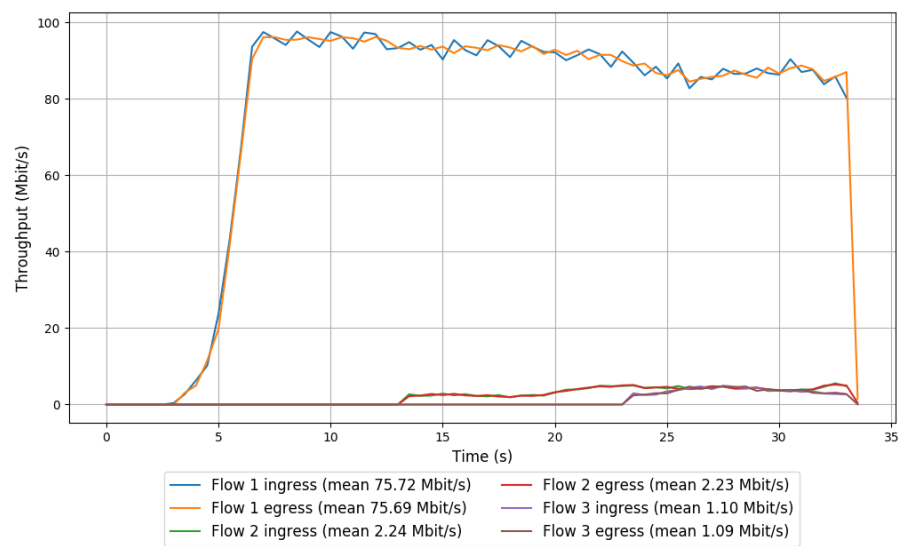
Run 4: Report of CalibratedKoho — Data Link
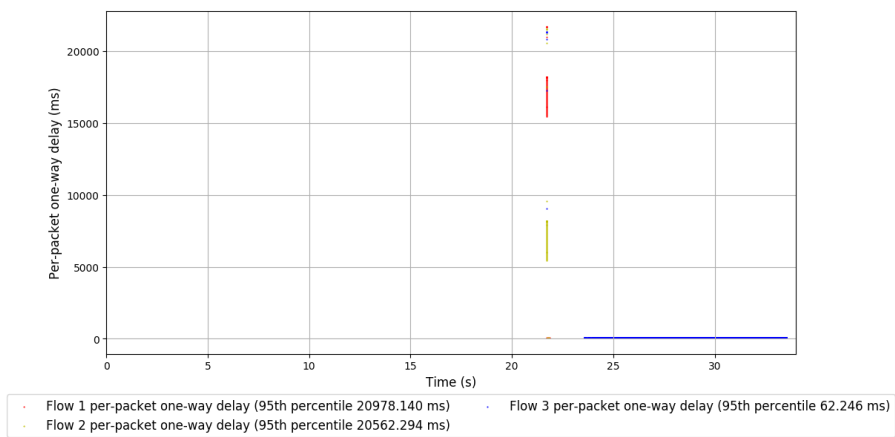
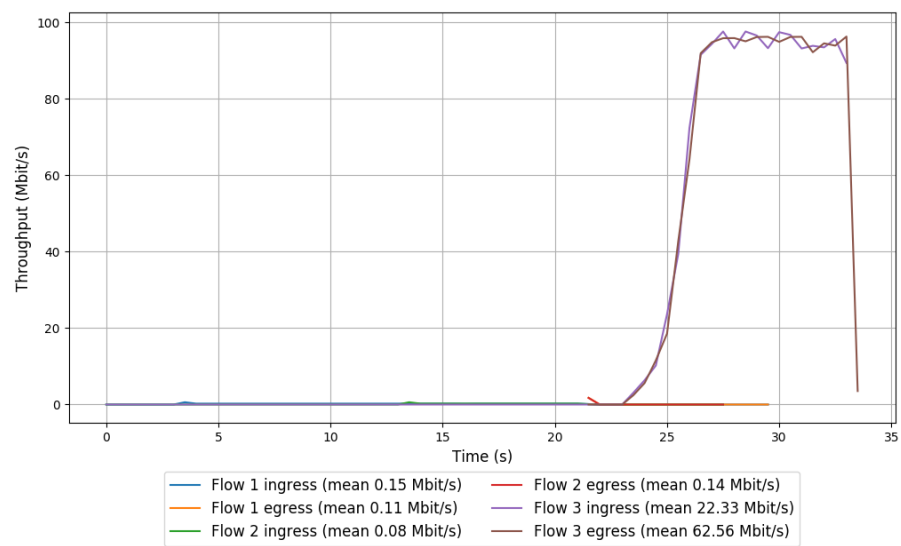```
Run 5: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 10:33:04 +0000
End at: Sat, 01 Jul 2017 10:33:34 +0000
Local clock offset: -0.018 ms
Remote clock offset: -9.647 ms
```

Run 5: Report of CalibratedKoho — Data Link



Flow 1 ingress (mean 0.08 Mbit/s)    Flow 2 egress (mean 77.61 Mbit/s)
Flow 1 egress (mean 0.06 Mbit/s)    Flow 3 ingress (mean 0.62 Mbit/s)
Flow 2 ingress (mean 50.48 Mbit/s)    Flow 3 egress (mean 0.95 Mbit/s)



Flow 1 per-packet one-way delay (95th percentile 11314.158 ms)    Flow 3 per-packet one-way delay (95th percentile 62.308 ms)
Flow 2 per-packet one-way delay (95th percentile 63.909 ms)
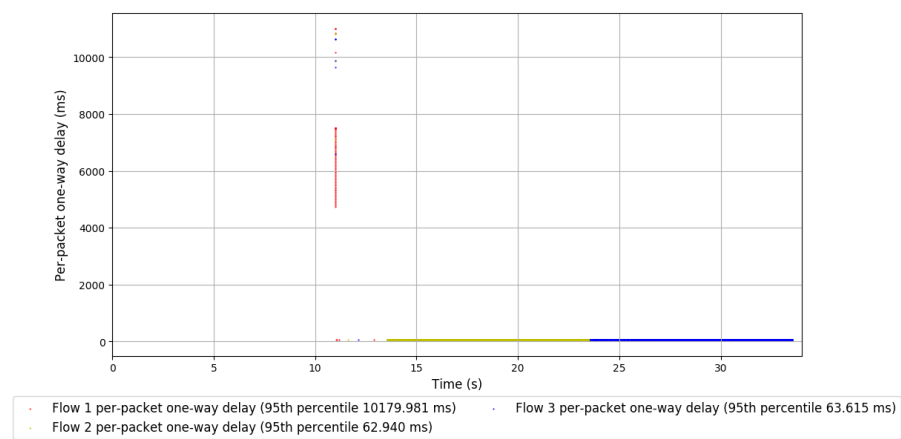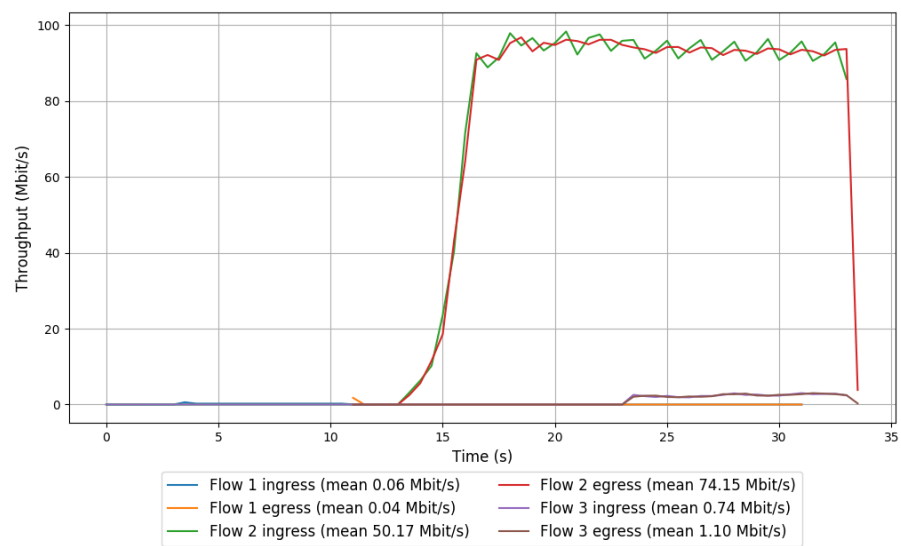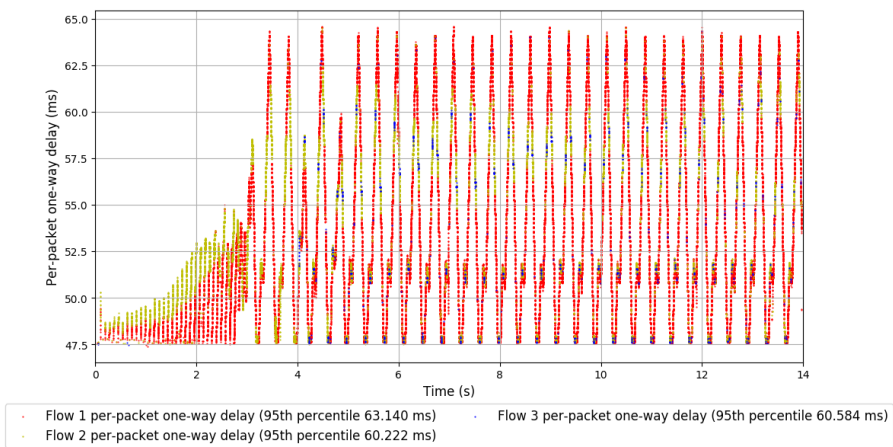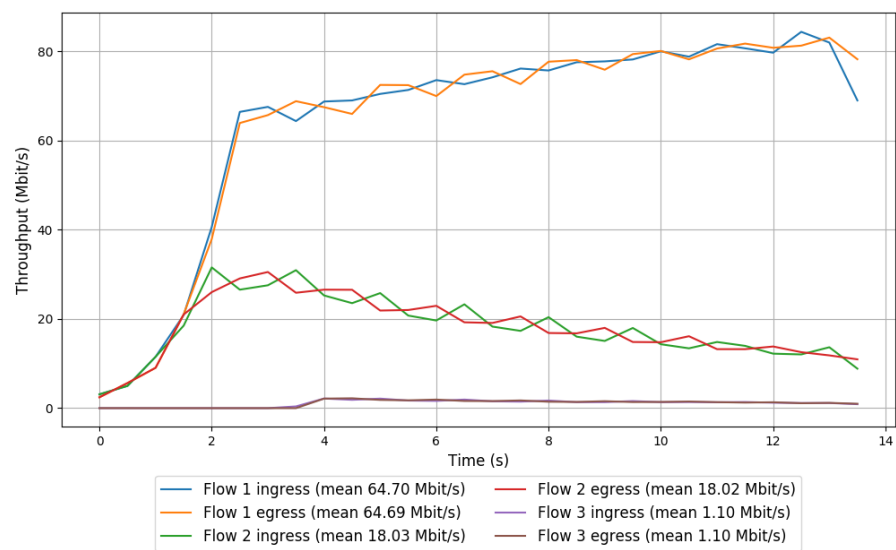
```
Run 6: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 10:53:36 +0000
End at: Sat, 01 Jul 2017 10:54:06 +0000
Local clock offset: 0.113 ms
Remote clock offset: -8.686 ms

Below is generated by plot.py at Sat, 01 Jul 2017 16:47:58 +0000
Datalink statistics
-- Total of 3 flows:
Average throughput: 78.99 Mbit/s
95th percentile per-packet one-way delay: 62.676 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 75.69 Mbit/s
95th percentile per-packet one-way delay: 62.685 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 62.166 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 1.09 Mbit/s
95th percentile per-packet one-way delay: 62.679 ms
Loss rate: 0.46%
```

Run 6: Report of CalibratedKoho — Data Link



Flow 1 ingress (mean 75.72 Mbit/s)        Flow 2 egress (mean 2.23 Mbit/s)
Flow 1 egress (mean 75.69 Mbit/s)         Flow 3 ingress (mean 1.10 Mbit/s)
Flow 2 ingress (mean 2.24 Mbit/s)         Flow 3 egress (mean 1.09 Mbit/s)



Flow 1 per-packet one-way delay (95th percentile 62.685 ms)      Flow 3 per-packet one-way delay (95th percentile 62.679 ms)
Flow 2 per-packet one-way delay (95th percentile 62.166 ms)

```
Run 7: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:14:16 +0000
End at: Sat, 01 Jul 2017 11:14:46 +0000
Local clock offset: 0.163 ms
Remote clock offset: -8.343 ms
```

Run 7: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 0.15 Mbit/s)
Flow 1 egress (mean 0.11 Mbit/s)
Flow 2 ingress (mean 0.08 Mbit/s)
Flow 2 egress (mean 0.14 Mbit/s)
Flow 3 ingress (mean 22.33 Mbit/s)
Flow 3 egress (mean 62.56 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 20978.140 ms)
Flow 2 per-packet one-way delay (95th percentile 20562.294 ms)
Flow 3 per-packet one-way delay (95th percentile 62.246 ms)

Run 8: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:34:52 +0000
End at: Sat, 01 Jul 2017 11:35:22 +0000
Local clock offset: 0.344 ms
Remote clock offset: -6.169 ms

Run 8: Report of CalibratedKoho — Data Link

- Flow 1 ingress (mean 0.06 Mbit/s)
- Flow 1 egress (mean 0.04 Mbit/s)
- Flow 2 ingress (mean 50.17 Mbit/s)
- Flow 2 egress (mean 74.15 Mbit/s)
- Flow 3 ingress (mean 0.74 Mbit/s)
- Flow 3 egress (mean 1.10 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 10179.981 ms)
- Flow 2 per-packet one-way delay (95th percentile 62.940 ms)
- Flow 3 per-packet one-way delay (95th percentile 63.615 ms)

```
Run 9: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:55:28 +0000
End at: Sat, 01 Jul 2017 11:55:58 +0000
Local clock offset: 0.327 ms
Remote clock offset: 1.416 ms
```

Run 9: Report of CalibratedKoho — Data Link

```
Run 10: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 12:16:00 +0000
End at: Sat, 01 Jul 2017 12:16:30 +0000
Local clock offset: 0.549 ms
Remote clock offset: 0.494 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:48:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.42 Mbit/s
95th percentile per-packet one-way delay: 63.795 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.59 Mbit/s
95th percentile per-packet one-way delay: 63.796 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 63.673 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.72 Mbit/s
95th percentile per-packet one-way delay: 63.997 ms
Loss rate: 0.00%
```
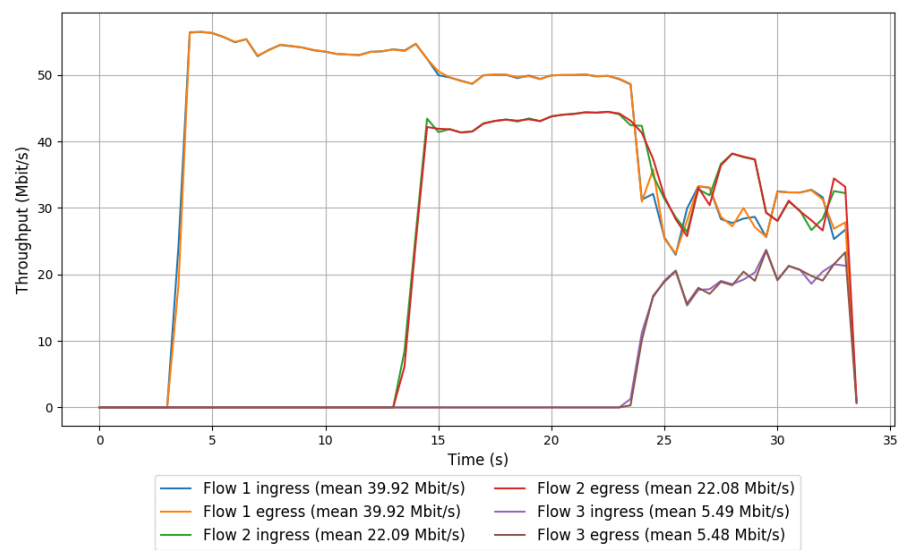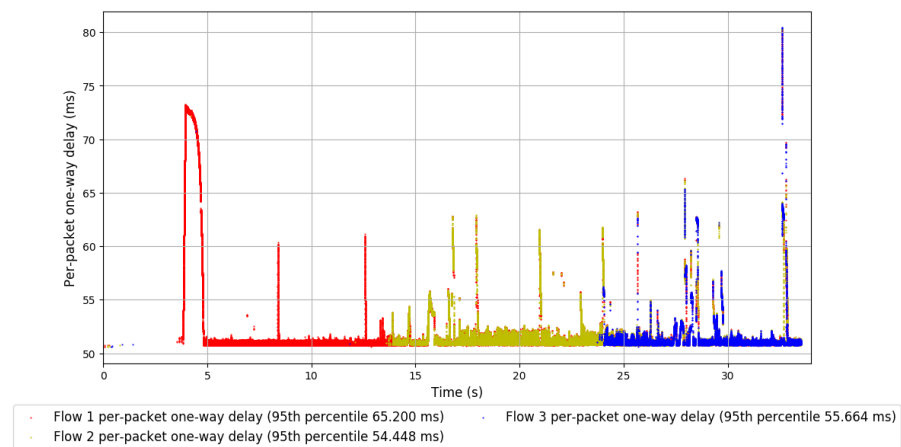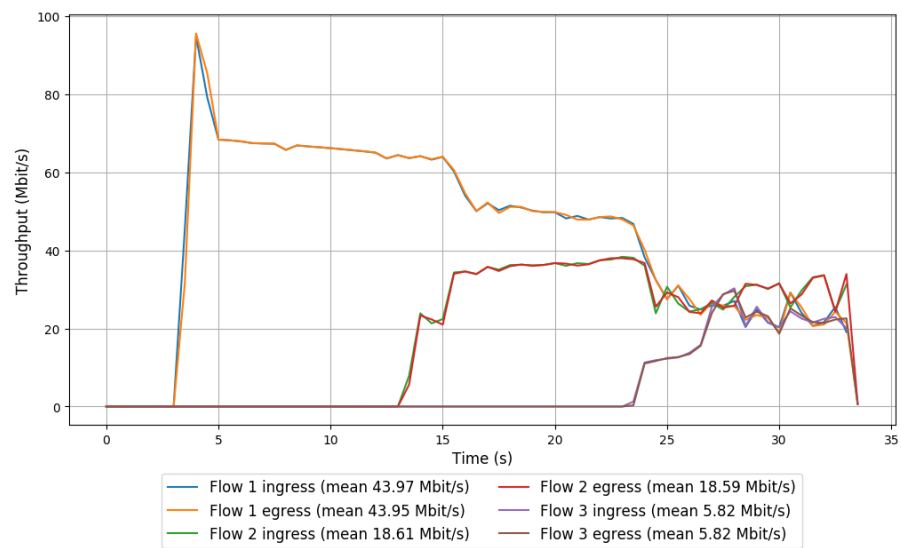
Run 10: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 77.62 Mbit/s)
Flow 1 egress (mean 77.59 Mbit/s)
Flow 2 ingress (mean 1.13 Mbit/s)
Flow 2 egress (mean 1.13 Mbit/s)
Flow 3 ingress (mean 0.72 Mbit/s)
Flow 3 egress (mean 0.72 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 63.796 ms)
Flow 2 per-packet one-way delay (95th percentile 63.673 ms)
Flow 3 per-packet one-way delay (95th percentile 63.997 ms)

```
Run 1: Statistics of Copa

Start at: Sat, 01 Jul 2017 09:19:17 +0000
End at: Sat, 01 Jul 2017 09:19:47 +0000
Local clock offset: -0.284 ms
Remote clock offset: -13.418 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:48:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.30 Mbit/s
95th percentile per-packet one-way delay: 53.531 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 39.92 Mbit/s
95th percentile per-packet one-way delay: 53.220 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 22.08 Mbit/s
95th percentile per-packet one-way delay: 54.531 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 53.352 ms
Loss rate: 0.10%
```
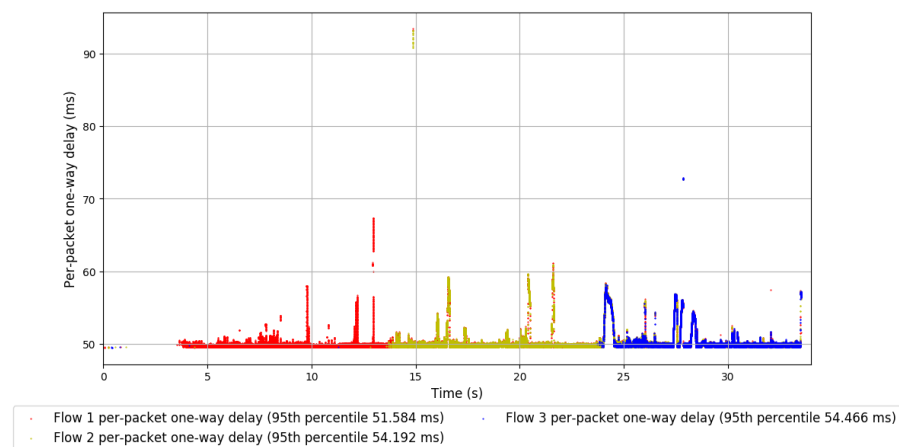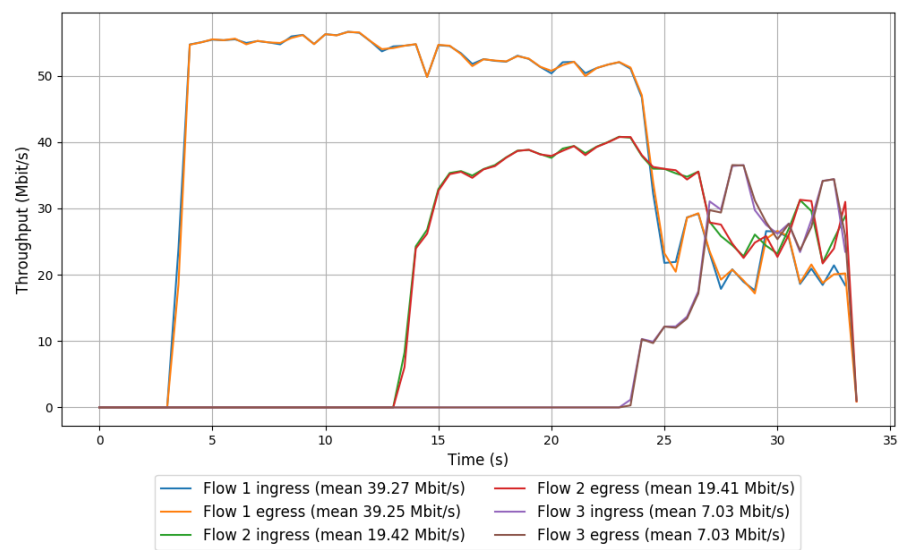
Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 39.92 Mbit/s)
Flow 1 egress (mean 39.92 Mbit/s)
Flow 2 ingress (mean 22.09 Mbit/s)
Flow 2 egress (mean 22.08 Mbit/s)
Flow 3 ingress (mean 5.49 Mbit/s)
Flow 3 egress (mean 5.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.220 ms)
Flow 2 per-packet one-way delay (95th percentile 54.531 ms)
Flow 3 per-packet one-way delay (95th percentile 53.352 ms)

```
Run 2: Statistics of Copa

Start at: Sat, 01 Jul 2017 09:39:46 +0000
End at: Sat, 01 Jul 2017 09:40:16 +0000
Local clock offset: -0.32 ms
Remote clock offset: -9.393 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:48:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.19 Mbit/s
95th percentile per-packet one-way delay: 58.886 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 43.95 Mbit/s
95th percentile per-packet one-way delay: 65.200 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 18.59 Mbit/s
95th percentile per-packet one-way delay: 54.448 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 55.664 ms
Loss rate: 0.02%
```
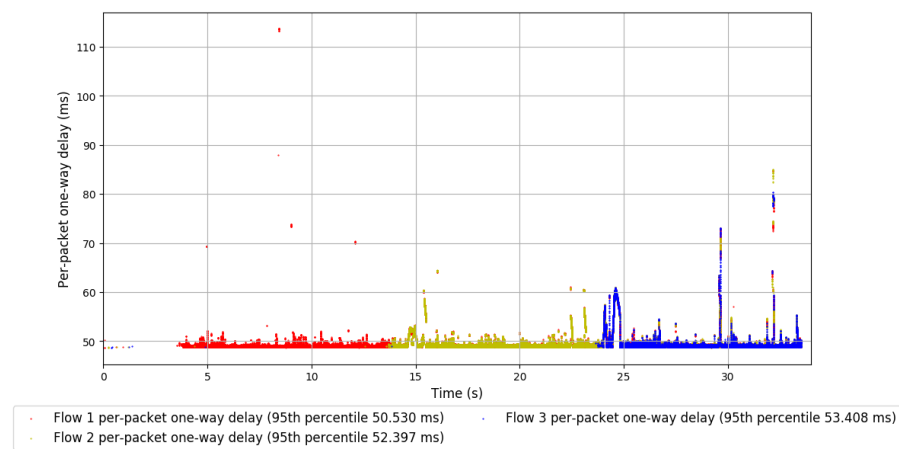
Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: Sat, 01 Jul 2017 10:00:12 +0000
End at: Sat, 01 Jul 2017 10:00:42 +0000
Local clock offset: -0.145 ms
Remote clock offset: -11.106 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:48:40 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.51 Mbit/s
95th percentile per-packet one-way delay: 53.187 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 51.584 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 19.41 Mbit/s
95th percentile per-packet one-way delay: 54.192 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 54.466 ms
Loss rate: 0.00%
```
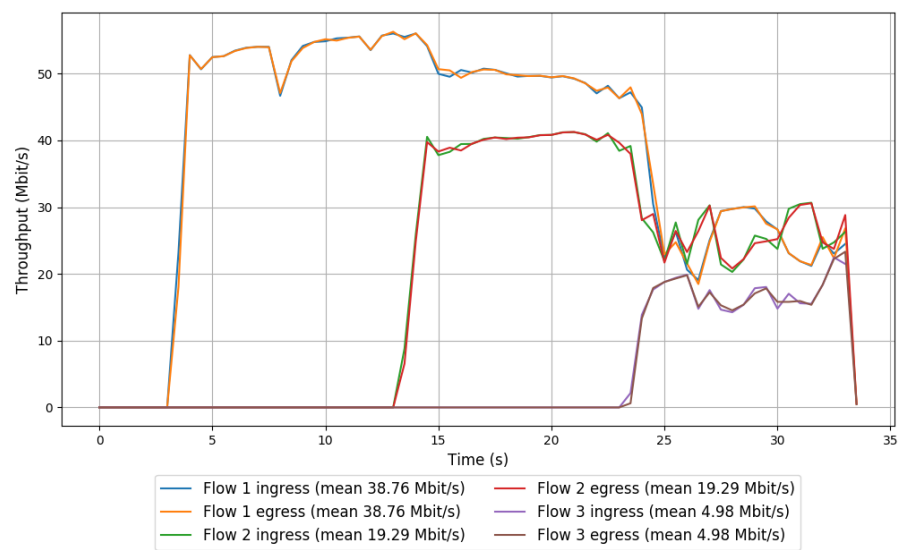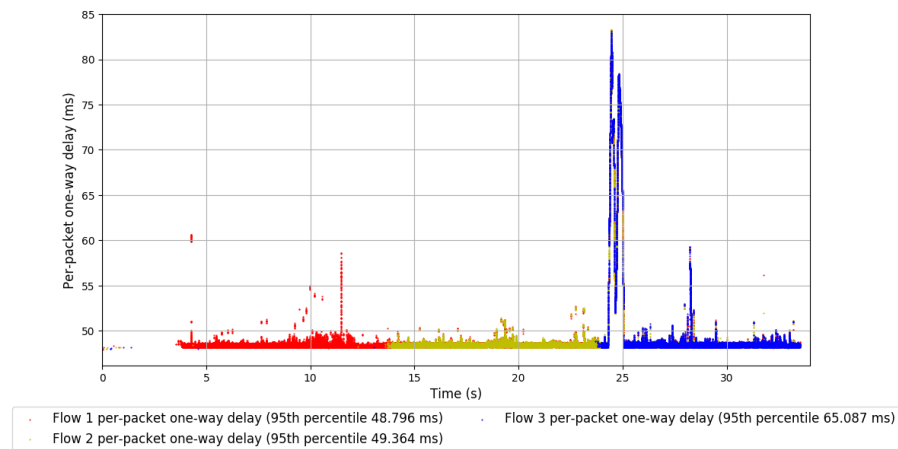
Run 3: Report of Copa — Data Link

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```
Run 4: Statistics of Copa

Start at: Sat, 01 Jul 2017 10:20:39 +0000
End at: Sat, 01 Jul 2017 10:21:09 +0000
Local clock offset: -0.09 ms
Remote clock offset: -9.712 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:48:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.87 Mbit/s
95th percentile per-packet one-way delay: 51.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 50.530 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.29 Mbit/s
95th percentile per-packet one-way delay: 52.397 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.98 Mbit/s
95th percentile per-packet one-way delay: 53.408 ms
Loss rate: 0.00%
```
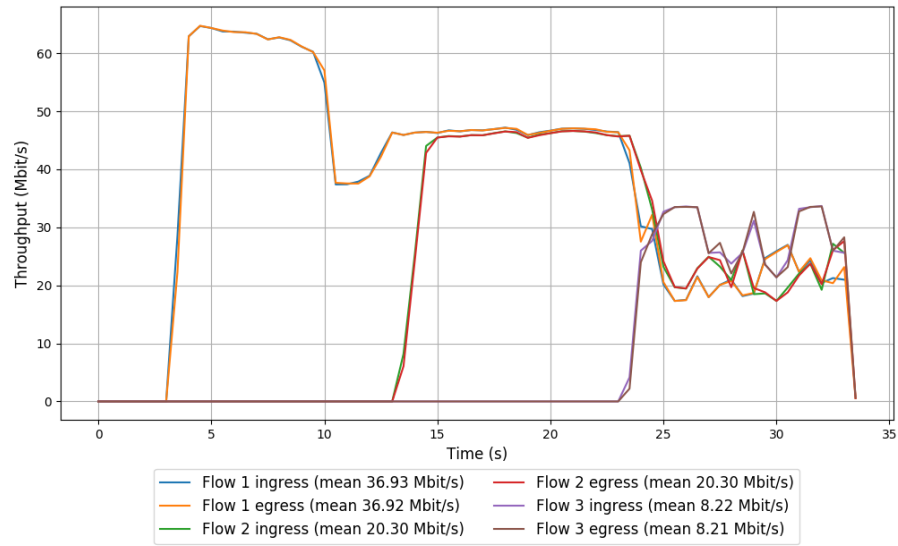
Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: Sat, 01 Jul 2017 10:41:12 +0000
End at: Sat, 01 Jul 2017 10:41:42 +0000
Local clock offset: -0.019 ms
Remote clock offset: -7.012 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:48:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.24 Mbit/s
95th percentile per-packet one-way delay: 49.104 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 48.796 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 49.364 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 65.087 ms
Loss rate: 0.02%
```
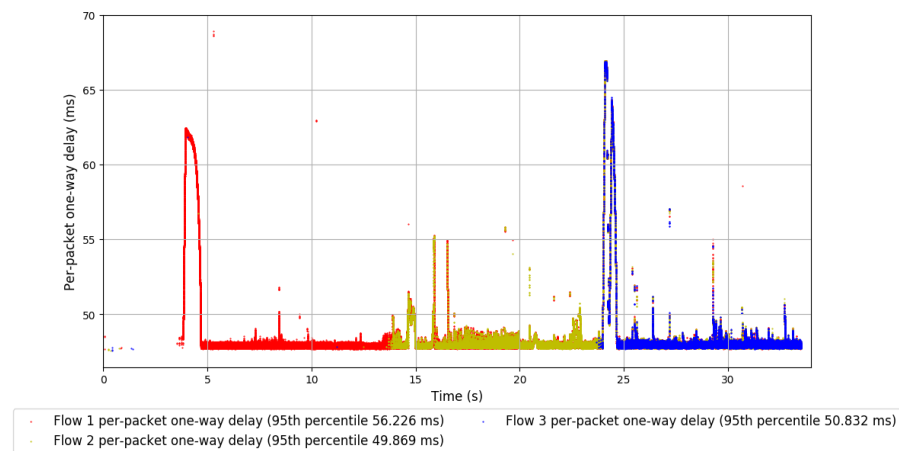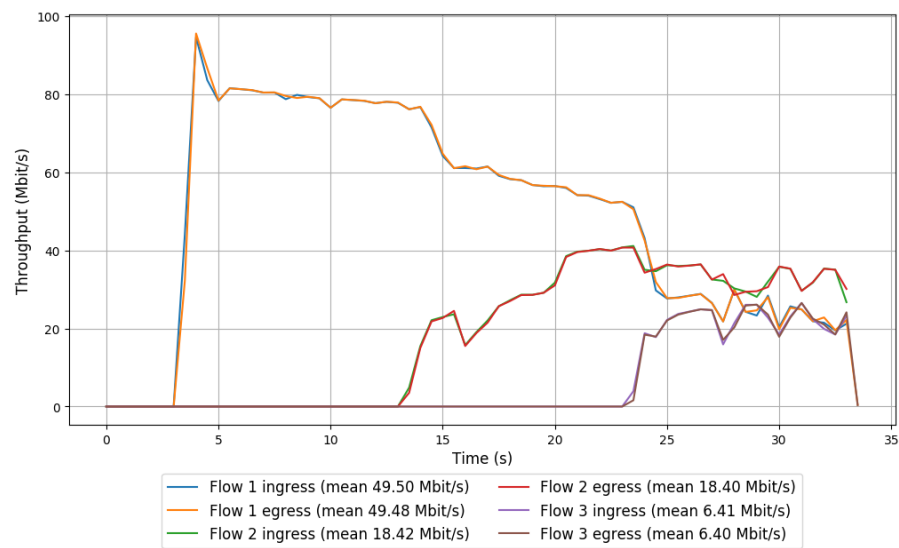
Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 36.93 Mbit/s)   Flow 2 egress (mean 20.30 Mbit/s)
Flow 1 egress (mean 36.92 Mbit/s)   Flow 3 ingress (mean 8.22 Mbit/s)
Flow 2 ingress (mean 20.30 Mbit/s)   Flow 3 egress (mean 8.21 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 48.796 ms)   Flow 3 per-packet one-way delay (95th percentile 65.087 ms)
Flow 2 per-packet one-way delay (95th percentile 49.364 ms)

```
Run 6: Statistics of Copa

Start at: Sat, 01 Jul 2017 11:01:47 +0000
End at: Sat, 01 Jul 2017 11:02:17 +0000
Local clock offset: 0.209 ms
Remote clock offset: -8.376 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:49:12 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.11 Mbit/s
95th percentile per-packet one-way delay: 53.447 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 49.48 Mbit/s
95th percentile per-packet one-way delay: 56.226 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 18.40 Mbit/s
95th percentile per-packet one-way delay: 49.869 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 6.40 Mbit/s
95th percentile per-packet one-way delay: 50.832 ms
Loss rate: 0.13%
```
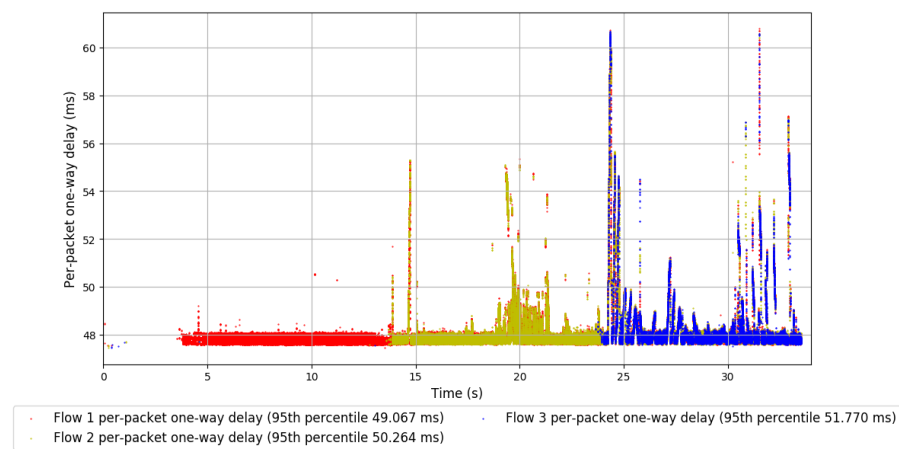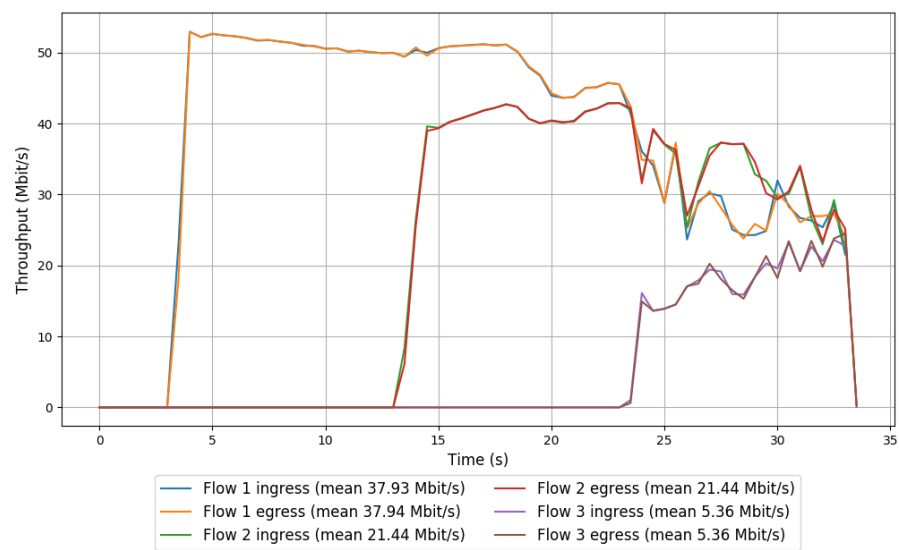
Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: Sat, 01 Jul 2017 11:22:24 +0000
End at: Sat, 01 Jul 2017 11:22:54 +0000
Local clock offset: 0.304 ms
Remote clock offset: -8.201 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:49:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.56 Mbit/s
95th percentile per-packet one-way delay: 49.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.94 Mbit/s
95th percentile per-packet one-way delay: 49.067 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 21.44 Mbit/s
95th percentile per-packet one-way delay: 50.264 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.36 Mbit/s
95th percentile per-packet one-way delay: 51.770 ms
Loss rate: 0.00%
```
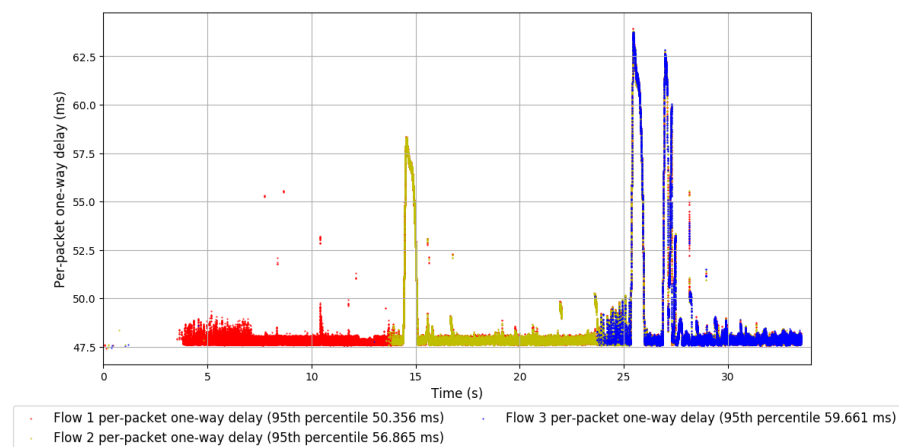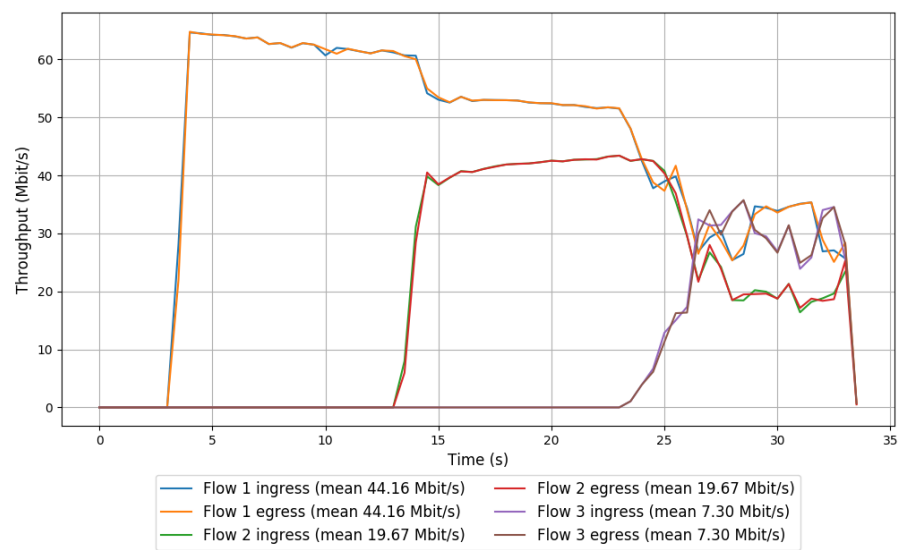
Run 7: Report of Copa — Data Link

- Flow 1 ingress (mean 37.93 Mbit/s)
- Flow 1 egress (mean 37.94 Mbit/s)
- Flow 2 ingress (mean 21.44 Mbit/s)
- Flow 2 egress (mean 21.44 Mbit/s)
- Flow 3 ingress (mean 5.36 Mbit/s)
- Flow 3 egress (mean 5.36 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 49.067 ms)
- Flow 2 per-packet one-way delay (95th percentile 50.264 ms)
- Flow 3 per-packet one-way delay (95th percentile 51.770 ms)

```
Run 8: Statistics of Copa

Start at: Sat, 01 Jul 2017 11:43:00 +0000
End at: Sat, 01 Jul 2017 11:43:30 +0000
Local clock offset: 0.39 ms
Remote clock offset: -6.403 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:49:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.95 Mbit/s
95th percentile per-packet one-way delay: 54.717 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.16 Mbit/s
95th percentile per-packet one-way delay: 50.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 19.67 Mbit/s
95th percentile per-packet one-way delay: 56.865 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 59.661 ms
Loss rate: 0.00%
```
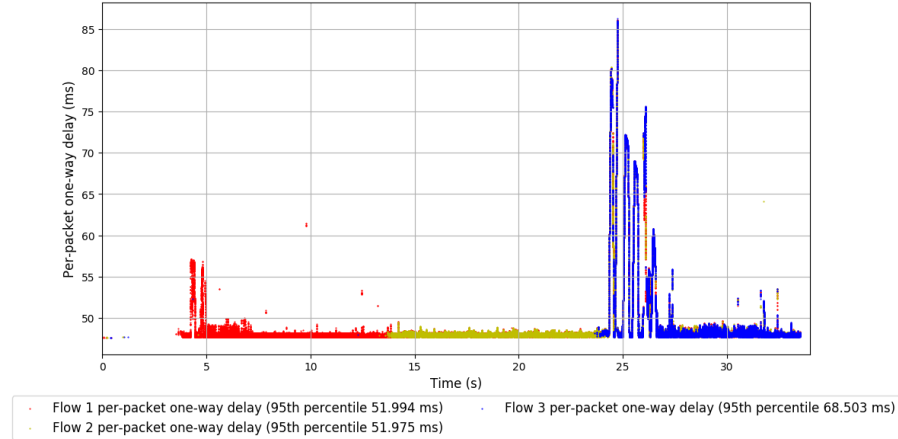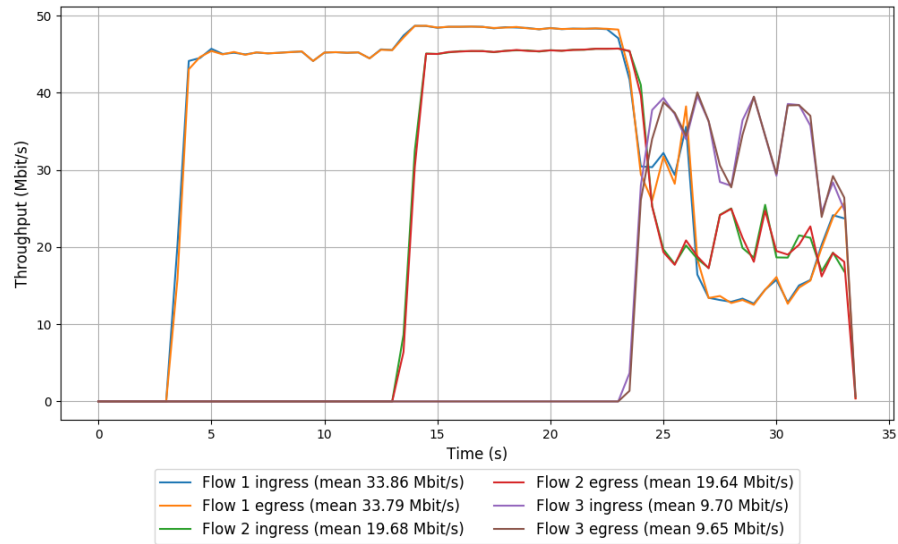
Run 8: Report of Copa — Data Link

- Flow 1 ingress (mean 44.16 Mbit/s)
- Flow 1 egress (mean 44.16 Mbit/s)
- Flow 2 ingress (mean 19.67 Mbit/s)
- Flow 2 egress (mean 19.67 Mbit/s)
- Flow 3 ingress (mean 7.30 Mbit/s)
- Flow 3 egress (mean 7.30 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 50.356 ms)
- Flow 2 per-packet one-way delay (95th percentile 56.865 ms)
- Flow 3 per-packet one-way delay (95th percentile 59.661 ms)

```
Run 9: Statistics of Copa

Start at: Sat, 01 Jul 2017 12:03:36 +0000
End at: Sat, 01 Jul 2017 12:04:06 +0000
Local clock offset: 0.347 ms
Remote clock offset: -0.824 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:49:33 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.87 Mbit/s
95th percentile per-packet one-way delay: 55.929 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 33.79 Mbit/s
95th percentile per-packet one-way delay: 51.994 ms
Loss rate: 0.21%
-- Flow 2:
Average throughput: 19.64 Mbit/s
95th percentile per-packet one-way delay: 51.975 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 9.65 Mbit/s
95th percentile per-packet one-way delay: 68.503 ms
Loss rate: 0.55%
```
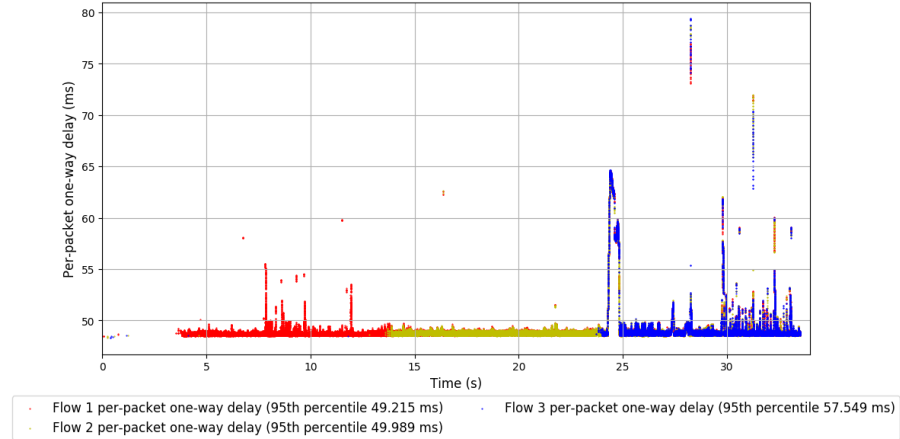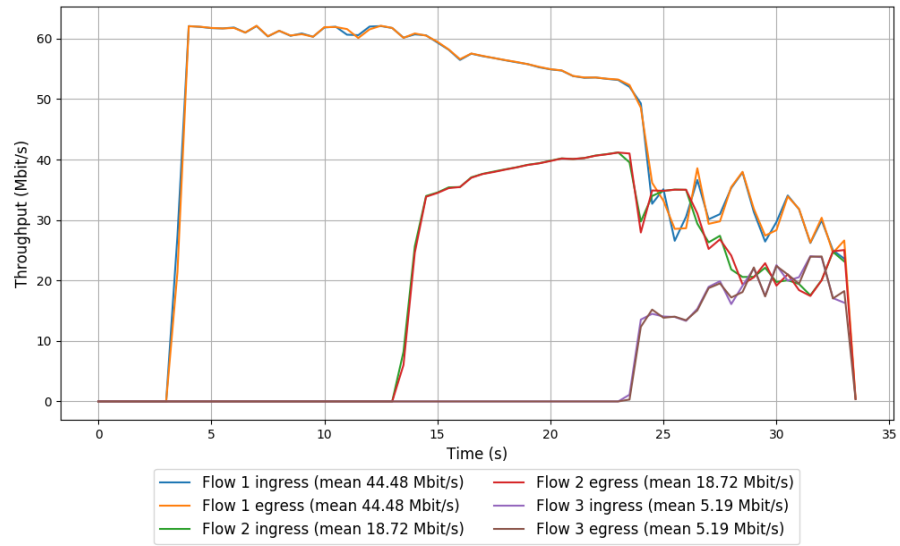
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 33.86 Mbit/s)
Flow 1 egress (mean 33.79 Mbit/s)
Flow 2 ingress (mean 19.68 Mbit/s)
Flow 2 egress (mean 19.64 Mbit/s)
Flow 3 ingress (mean 9.70 Mbit/s)
Flow 3 egress (mean 9.65 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 51.994 ms)
Flow 2 per-packet one-way delay (95th percentile 51.975 ms)
Flow 3 per-packet one-way delay (95th percentile 68.503 ms)

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```
Run 10: Statistics of Copa

Start at: Sat, 01 Jul 2017 12:24:12 +0000
End at: Sat, 01 Jul 2017 12:24:42 +0000
Local clock offset: 0.592 ms
Remote clock offset: 0.689 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:49:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.23 Mbit/s
95th percentile per-packet one-way delay: 49.547 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 44.48 Mbit/s
95th percentile per-packet one-way delay: 49.215 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 18.72 Mbit/s
95th percentile per-packet one-way delay: 49.989 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 5.19 Mbit/s
95th percentile per-packet one-way delay: 57.549 ms
Loss rate: 0.00%
```
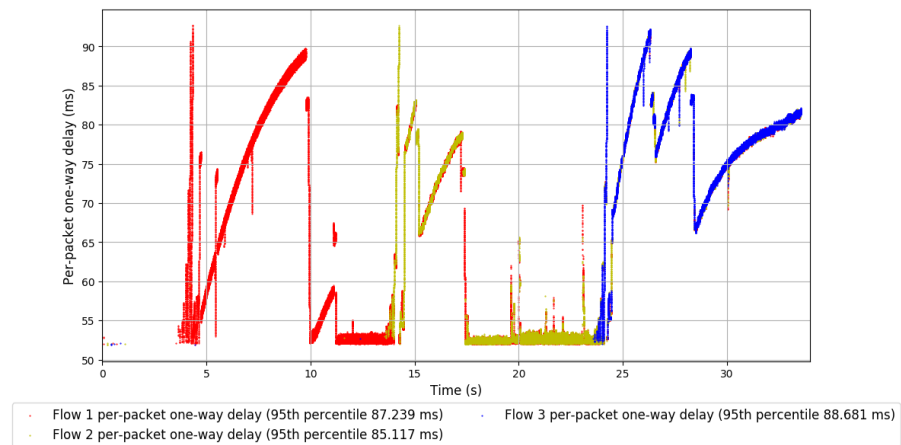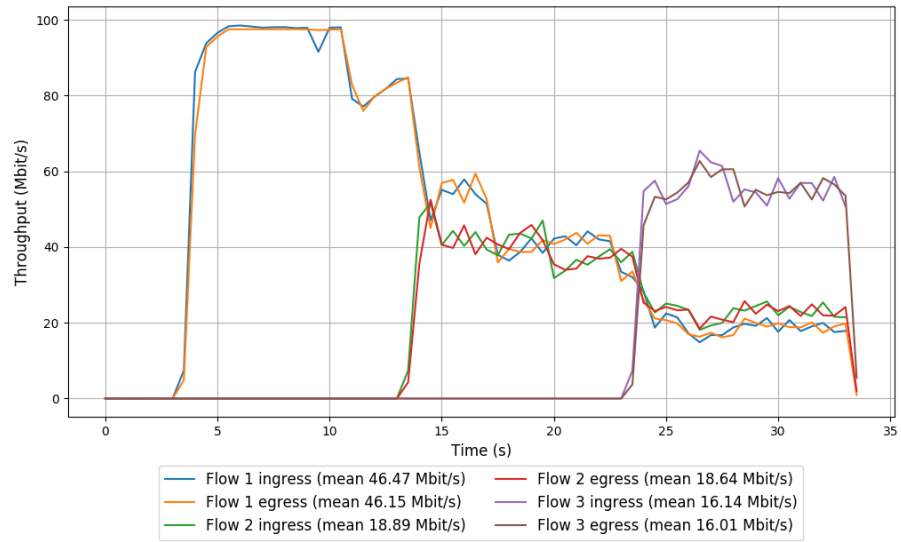
Run 10: Report of Copa — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 09:20:43 +0000
End at: Sat, 01 Jul 2017 09:21:13 +0000
Local clock offset: -0.43 ms
Remote clock offset: -13.196 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:49:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.46 Mbit/s
95th percentile per-packet one-way delay: 87.487 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 87.239 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 18.64 Mbit/s
95th percentile per-packet one-way delay: 85.117 ms
Loss rate: 1.23%
-- Flow 3:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 88.681 ms
Loss rate: 0.68%
```
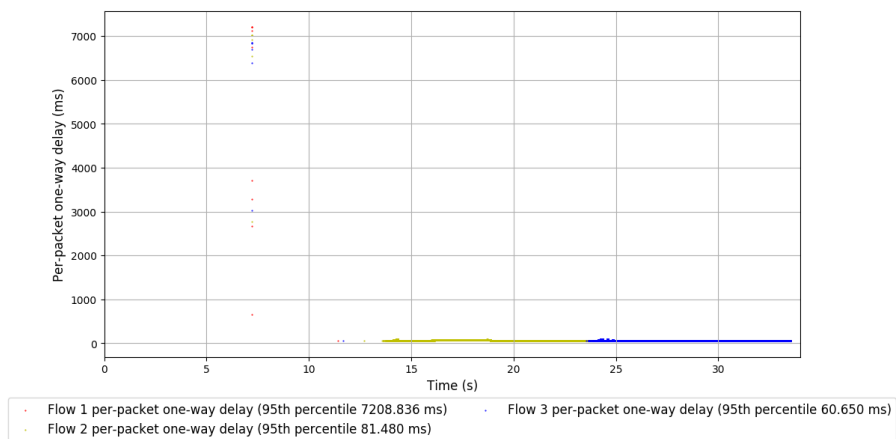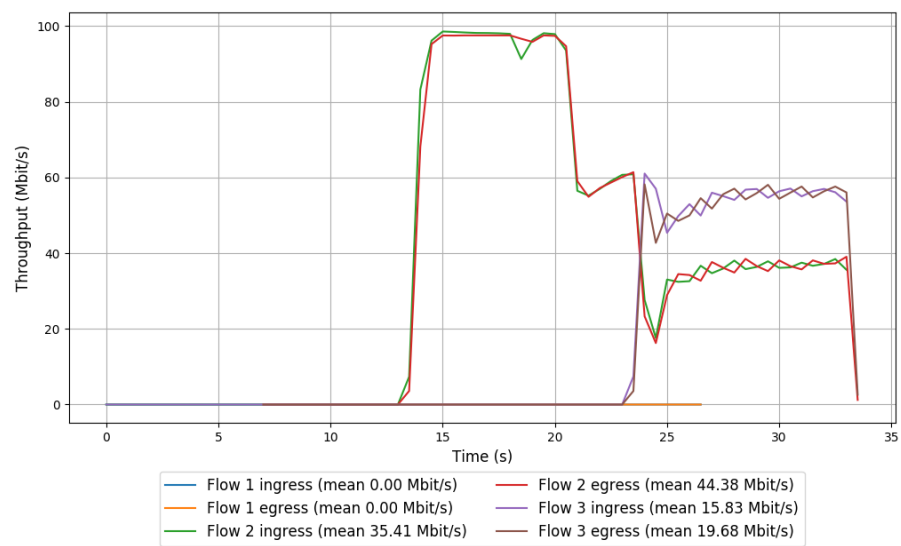
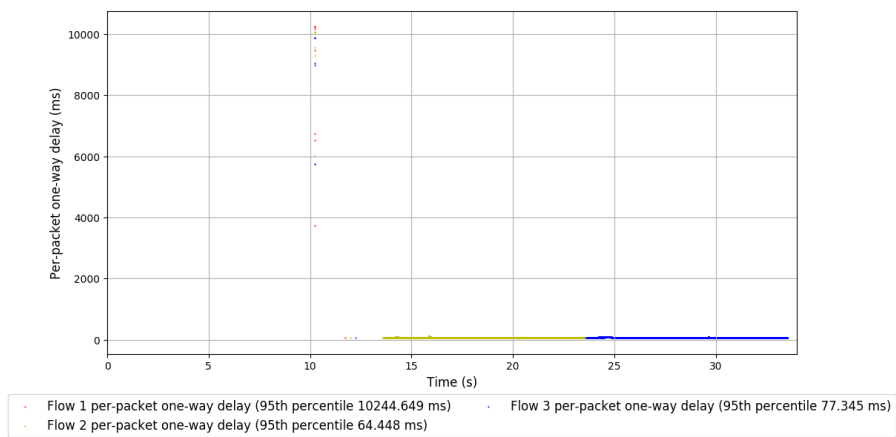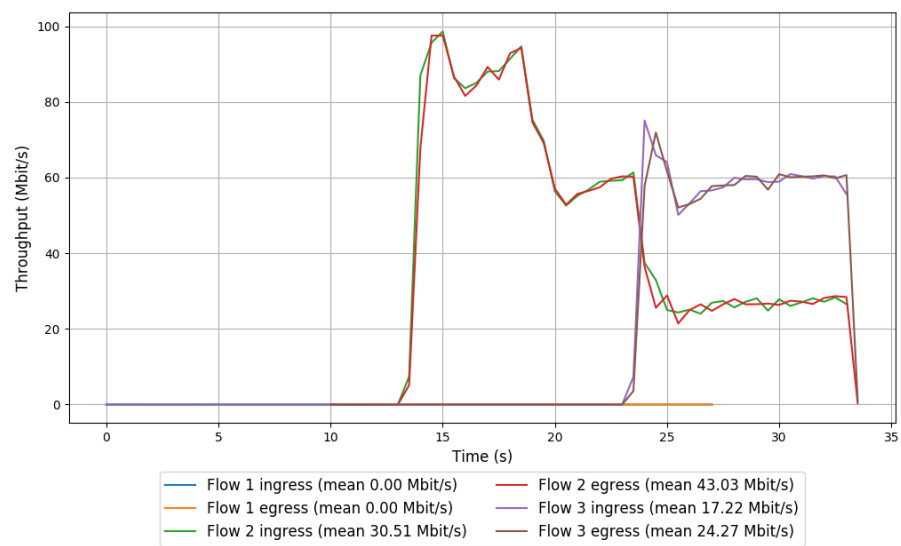Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 09:41:13 +0000
End at: Sat, 01 Jul 2017 09:41:43 +0000
Local clock offset: -0.327 ms
Remote clock offset: -9.735 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:49:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.06 Mbit/s
95th percentile per-packet one-way delay: 80.514 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 7208.836 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 81.480 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 19.68 Mbit/s
95th percentile per-packet one-way delay: 60.650 ms
Loss rate: 1.22%
```

Run 2: Report of TCP Cubic — Data Link

- Flow 1 ingress (mean 0.00 Mbit/s)
- Flow 1 egress (mean 0.00 Mbit/s)
- Flow 2 ingress (mean 35.41 Mbit/s)
- Flow 2 egress (mean 44.38 Mbit/s)
- Flow 3 ingress (mean 15.83 Mbit/s)
- Flow 3 egress (mean 19.68 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 7208.836 ms)
- Flow 2 per-packet one-way delay (95th percentile 81.480 ms)
- Flow 3 per-packet one-way delay (95th percentile 60.650 ms)

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Run 3: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 10:01:39 +0000
End at: Sat, 01 Jul 2017 10:02:09 +0000
Local clock offset: -0.131 ms
Remote clock offset: -8.568 ms

Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)
Flow 1 egress (mean 0.00 Mbit/s)
Flow 2 ingress (mean 30.51 Mbit/s)
Flow 2 egress (mean 43.03 Mbit/s)
Flow 3 ingress (mean 17.22 Mbit/s)
Flow 3 egress (mean 24.27 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 10244.649 ms)
Flow 2 per-packet one-way delay (95th percentile 64.448 ms)
Flow 3 per-packet one-way delay (95th percentile 77.345 ms)

```
Run 4: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 10:22:05 +0000
End at: Sat, 01 Jul 2017 10:22:35 +0000
Local clock offset: 0.0 ms
Remote clock offset: -7.088 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:08 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.91 Mbit/s
95th percentile per-packet one-way delay: 82.054 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 79.877 ms
Loss rate: 0.90%
-- Flow 2:
Average throughput: 25.68 Mbit/s
95th percentile per-packet one-way delay: 84.194 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 6.19 Mbit/s
95th percentile per-packet one-way delay: 84.720 ms
Loss rate: 1.21%
```
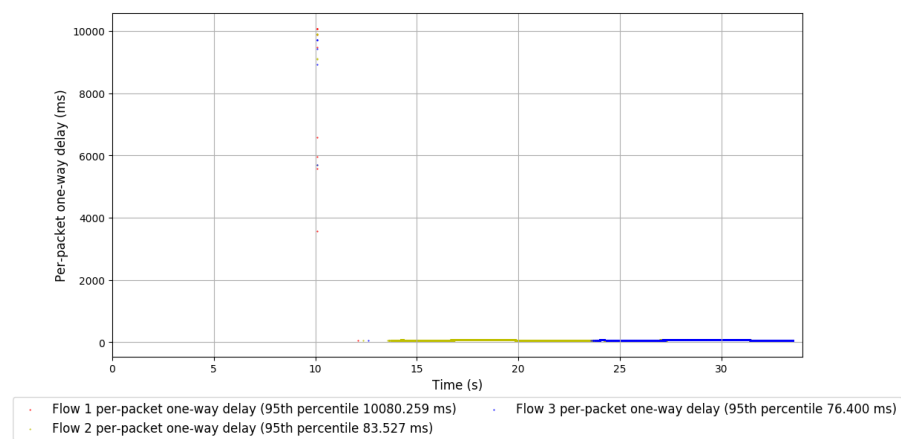
Run 4: Report of TCP Cubic — Data Link
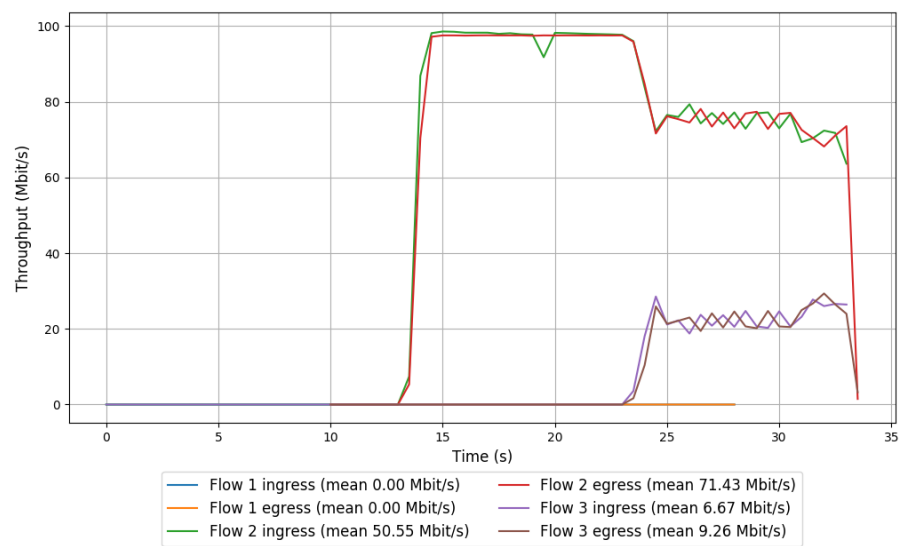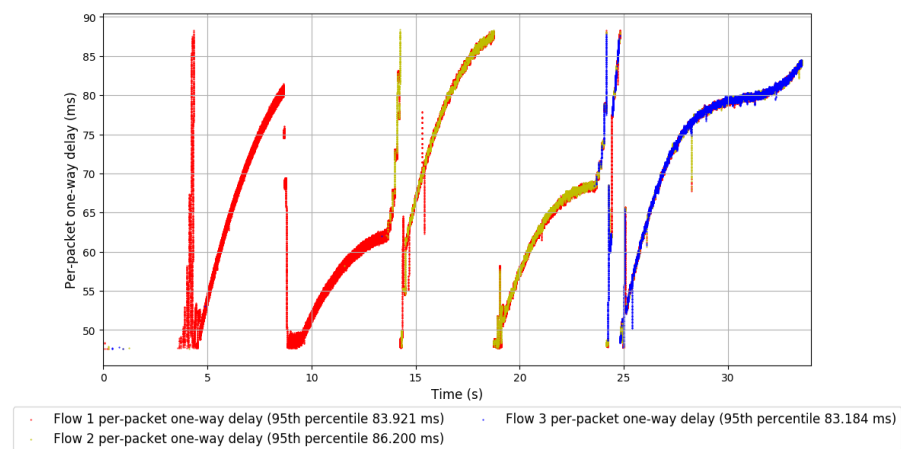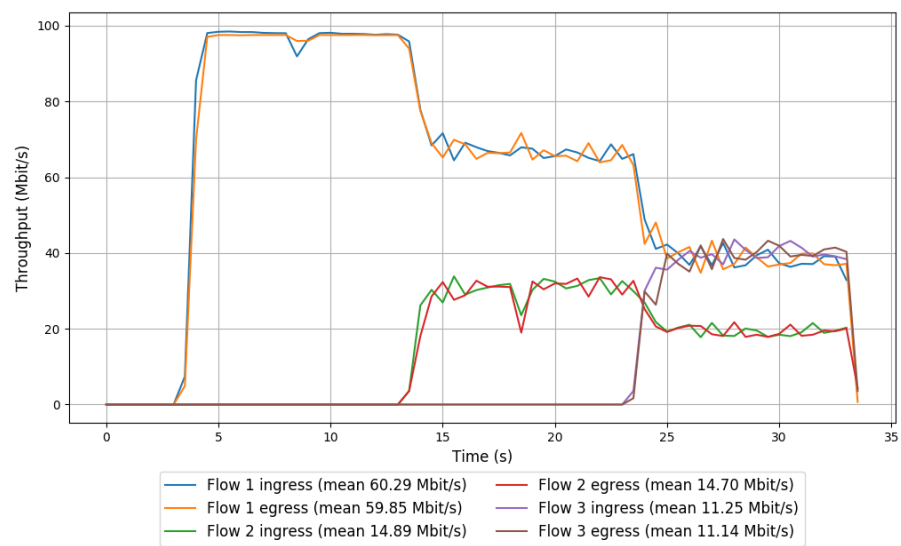
Run 5: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 10:42:38 +0000
End at: Sat, 01 Jul 2017 10:43:08 +0000
Local clock offset: 0.049 ms
Remote clock offset: -7.2 ms

Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)
Flow 1 egress (mean 0.00 Mbit/s)
Flow 2 ingress (mean 50.55 Mbit/s)
Flow 2 egress (mean 71.43 Mbit/s)
Flow 3 ingress (mean 6.67 Mbit/s)
Flow 3 egress (mean 9.26 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 10080.259 ms)
Flow 2 per-packet one-way delay (95th percentile 83.527 ms)
Flow 3 per-packet one-way delay (95th percentile 76.400 ms)

```
Run 6: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:03:15 +0000
End at: Sat, 01 Jul 2017 11:03:45 +0000
Local clock offset: 0.082 ms
Remote clock offset: -6.399 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:19 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 84.191 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 59.85 Mbit/s
95th percentile per-packet one-way delay: 83.921 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 14.70 Mbit/s
95th percentile per-packet one-way delay: 86.200 ms
Loss rate: 1.21%
-- Flow 3:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 83.184 ms
Loss rate: 0.85%
```
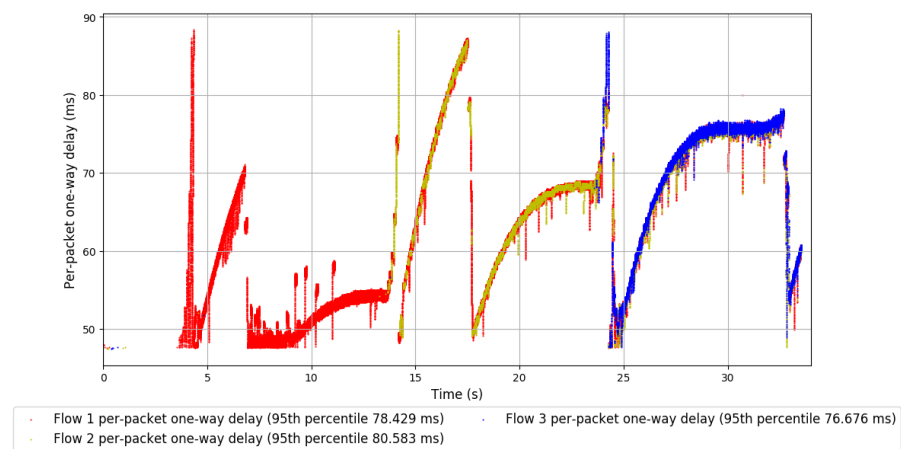
Run 6: Report of TCP Cubic — Data Link

```
Run 7: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:23:50 +0000
End at: Sat, 01 Jul 2017 11:24:20 +0000
Local clock offset: 0.235 ms
Remote clock offset: -8.277 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:21 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.00 Mbit/s
95th percentile per-packet one-way delay: 78.431 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 78.429 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 17.25 Mbit/s
95th percentile per-packet one-way delay: 80.583 ms
Loss rate: 0.42%
-- Flow 3:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 76.676 ms
Loss rate: 0.60%
```
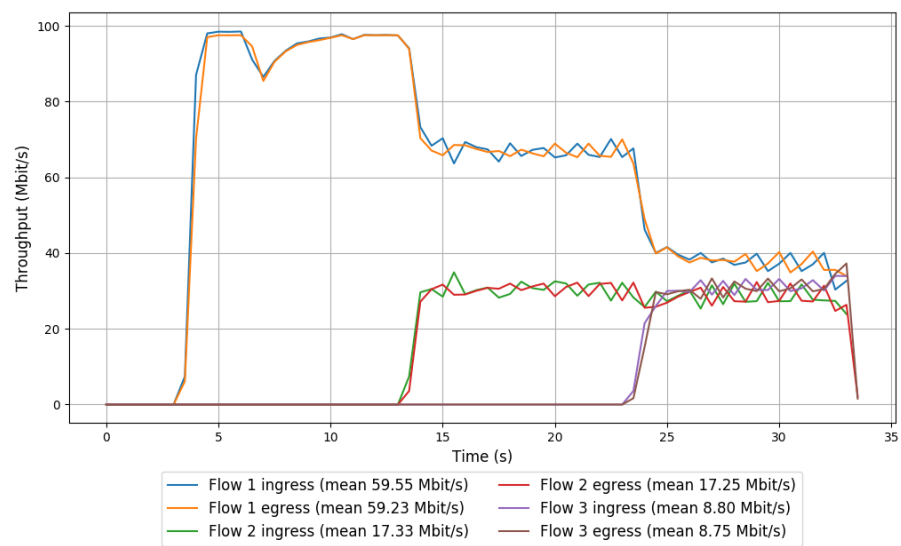
Run 7: Report of TCP Cubic — Data Link

```
Run 8: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:44:27 +0000
End at: Sat, 01 Jul 2017 11:44:57 +0000
Local clock offset: 0.415 ms
Remote clock offset: -5.849 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.62 Mbit/s
95th percentile per-packet one-way delay: 83.325 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 83.860 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 20.53 Mbit/s
95th percentile per-packet one-way delay: 78.448 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 78.665 ms
Loss rate: 0.36%
```
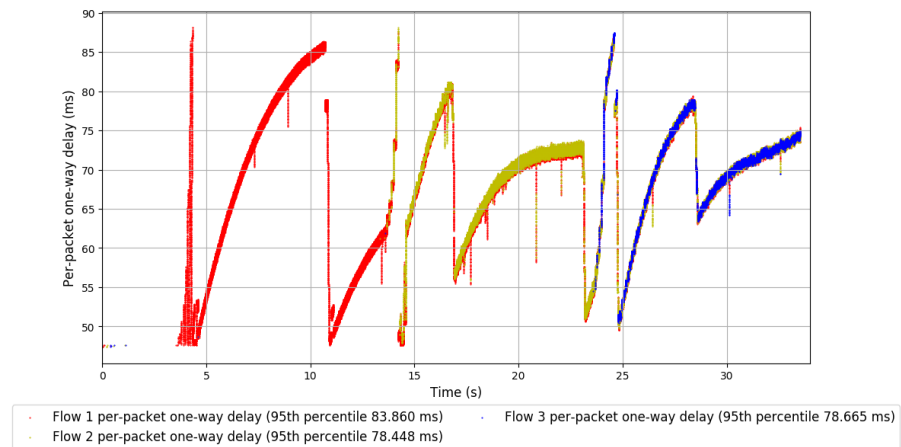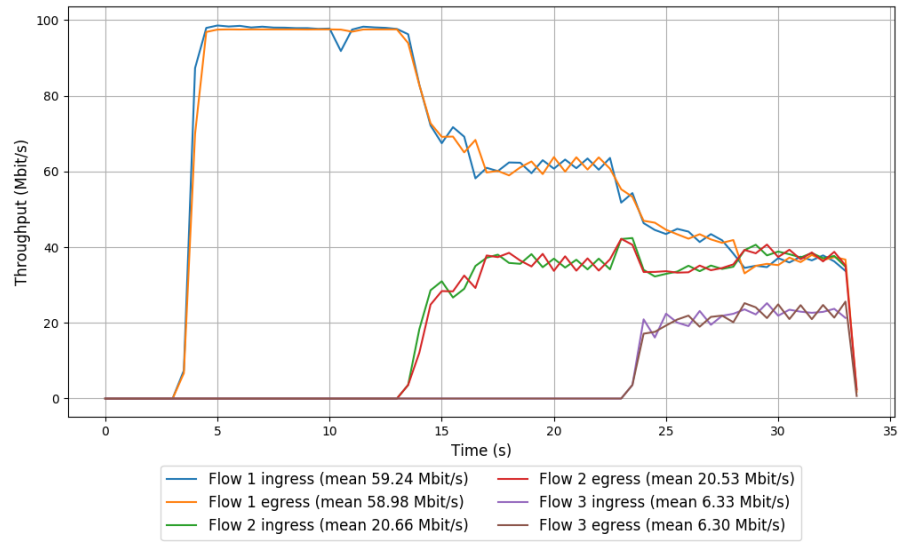
Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 12:05:02 +0000
End at: Sat, 01 Jul 2017 12:05:32 +0000
Local clock offset: 0.377 ms
Remote clock offset: -0.81 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.14 Mbit/s
95th percentile per-packet one-way delay: 77.915 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 30.37 Mbit/s
95th percentile per-packet one-way delay: 72.848 ms
Loss rate: 0.89%
-- Flow 2:
Average throughput: 6.41 Mbit/s
95th percentile per-packet one-way delay: 74.451 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 21.64 Mbit/s
95th percentile per-packet one-way delay: 82.716 ms
Loss rate: 1.20%
```
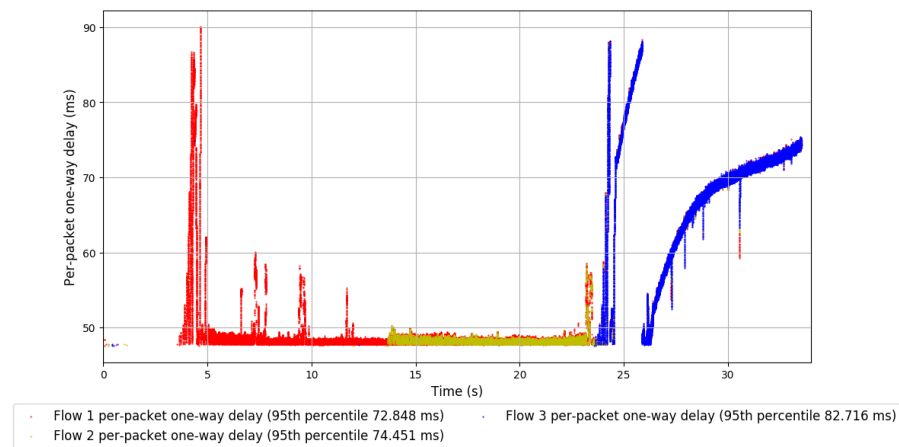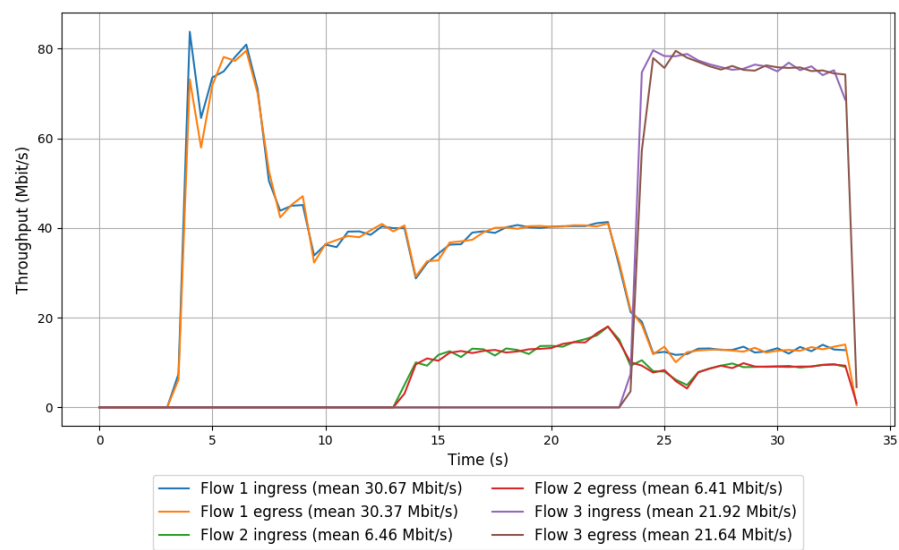
Run 9: Report of TCP Cubic — Data Link

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```
Run 10: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 12:25:39 +0000
End at: Sat, 01 Jul 2017 12:26:09 +0000
Local clock offset: 0.615 ms
Remote clock offset: 0.272 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 85.326 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 60.40 Mbit/s
95th percentile per-packet one-way delay: 85.429 ms
Loss rate: 0.49%
-- Flow 2:
Average throughput: 13.83 Mbit/s
95th percentile per-packet one-way delay: 82.943 ms
Loss rate: 0.94%
-- Flow 3:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 86.239 ms
Loss rate: 0.80%
```
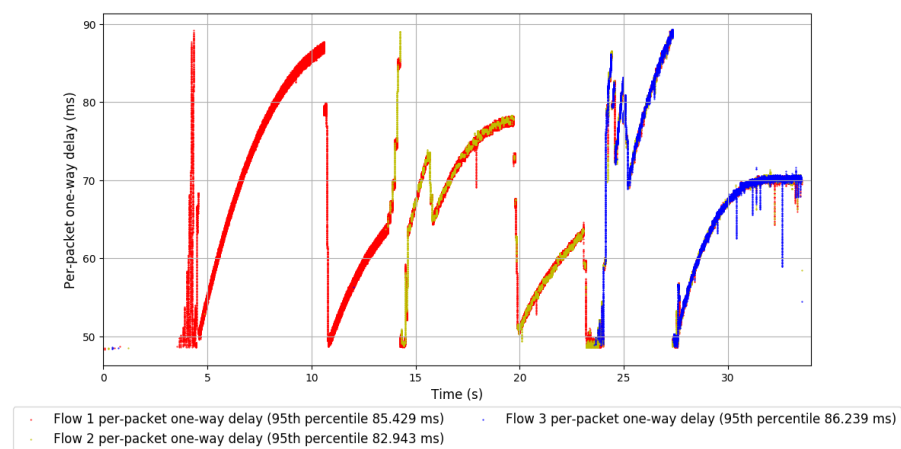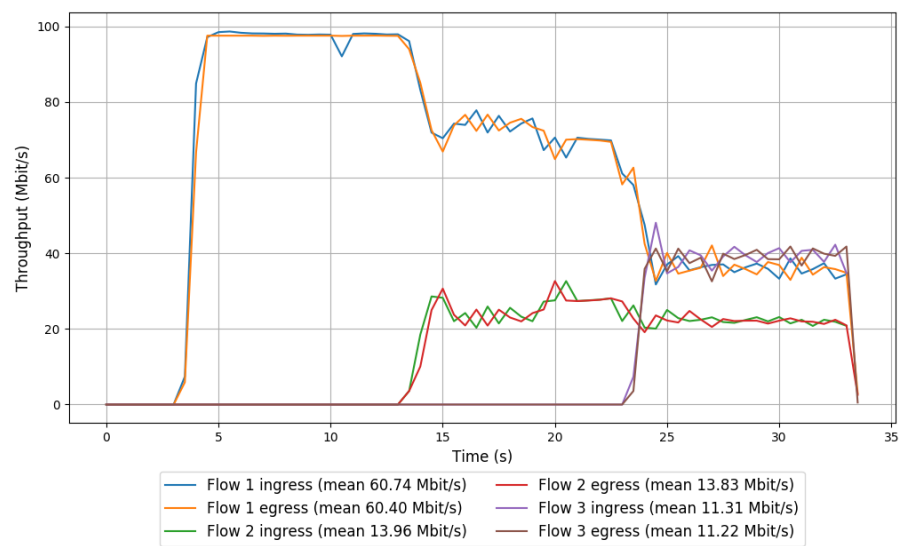
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 60.74 Mbit/s)
Flow 1 egress (mean 60.40 Mbit/s)
Flow 2 ingress (mean 13.96 Mbit/s)
Flow 2 egress (mean 13.83 Mbit/s)
Flow 3 ingress (mean 11.31 Mbit/s)
Flow 3 egress (mean 11.22 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 85.429 ms)
Flow 2 per-packet one-way delay (95th percentile 82.943 ms)
Flow 3 per-packet one-way delay (95th percentile 86.239 ms)

```
Run 1: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 09:13:53 +0000
End at: Sat, 01 Jul 2017 09:14:23 +0000
Local clock offset: -0.403 ms
Remote clock offset: -14.02 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.08 Mbit/s
95th percentile per-packet one-way delay: 53.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 53.480 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 53.613 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 53.404 ms
Loss rate: 0.00%
```
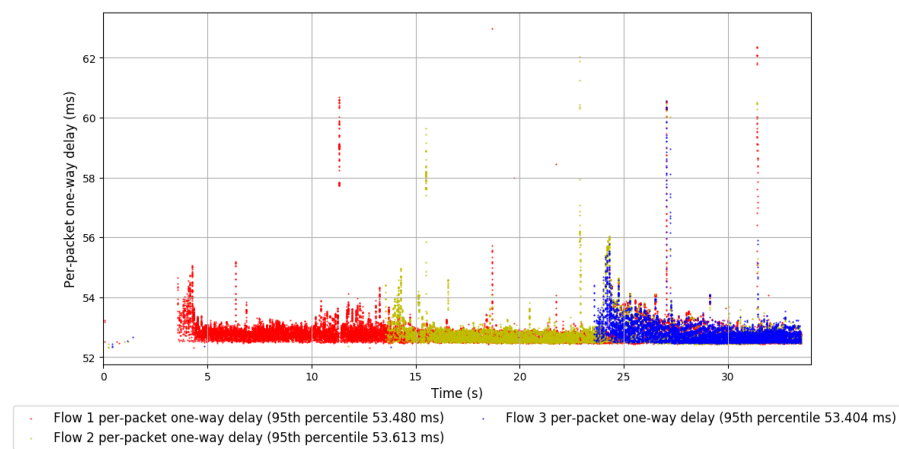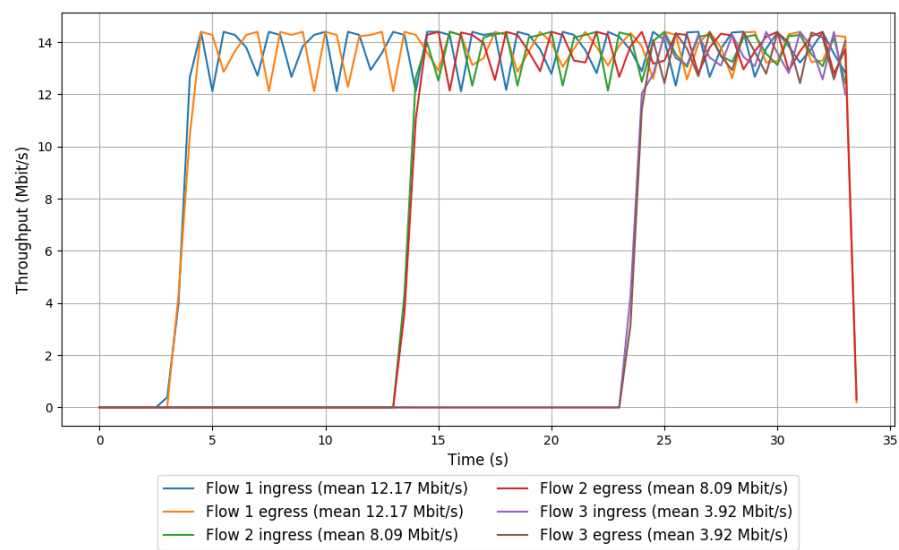
Run 1: Report of KohoCC — Data Link

Flow 1 ingress (mean 12.17 Mbit/s)
Flow 1 egress (mean 12.17 Mbit/s)
Flow 2 ingress (mean 8.09 Mbit/s)
Flow 2 egress (mean 8.09 Mbit/s)
Flow 3 ingress (mean 3.92 Mbit/s)
Flow 3 egress (mean 3.92 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 53.480 ms)
Flow 2 per-packet one-way delay (95th percentile 53.613 ms)
Flow 3 per-packet one-way delay (95th percentile 53.404 ms)

```
Run 2: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 09:34:22 +0000
End at: Sat, 01 Jul 2017 09:34:52 +0000
Local clock offset: -0.344 ms
Remote clock offset: -12.75 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.93 Mbit/s
95th percentile per-packet one-way delay: 52.064 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 52.011 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 52.136 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 51.902 ms
Loss rate: 0.00%
```
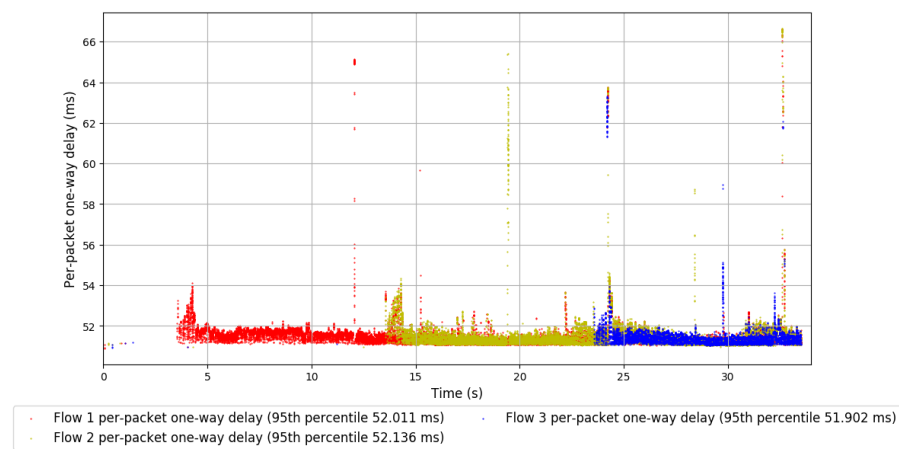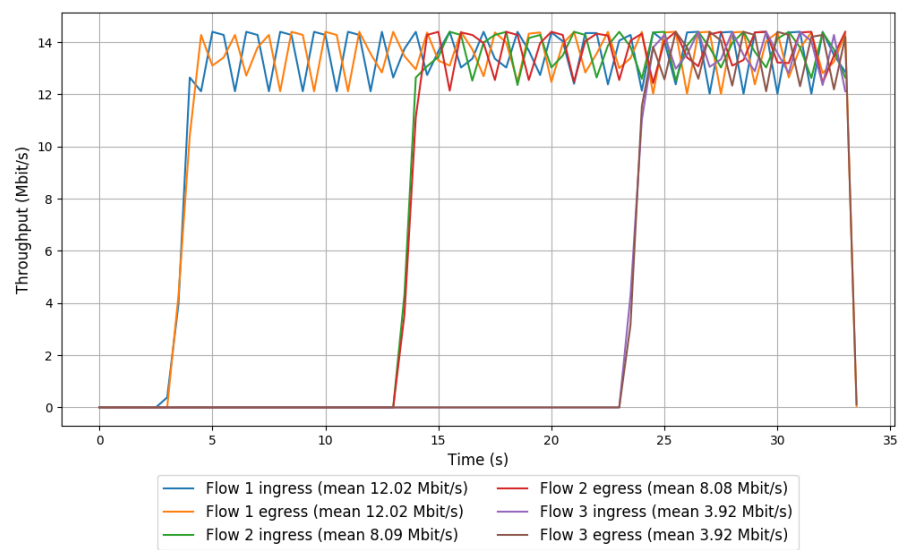
Run 2: Report of KohoCC — Data Link

Flow 1 ingress (mean 12.02 Mbit/s)   Flow 2 egress (mean 8.08 Mbit/s)
Flow 1 egress (mean 12.02 Mbit/s)   Flow 3 ingress (mean 3.92 Mbit/s)
Flow 2 ingress (mean 8.09 Mbit/s)   Flow 3 egress (mean 3.92 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 52.011 ms)   Flow 3 per-packet one-way delay (95th percentile 51.902 ms)
Flow 2 per-packet one-way delay (95th percentile 52.136 ms)

```
Run 3: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 09:54:50 +0000
End at: Sat, 01 Jul 2017 09:55:20 +0000
Local clock offset: -0.154 ms
Remote clock offset: -10.978 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 50.899 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 50.936 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 50.754 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 51.103 ms
Loss rate: 0.00%
```
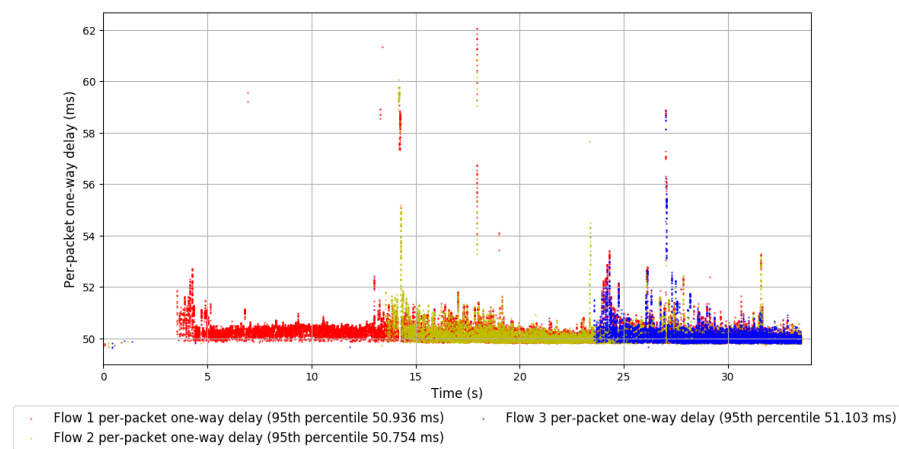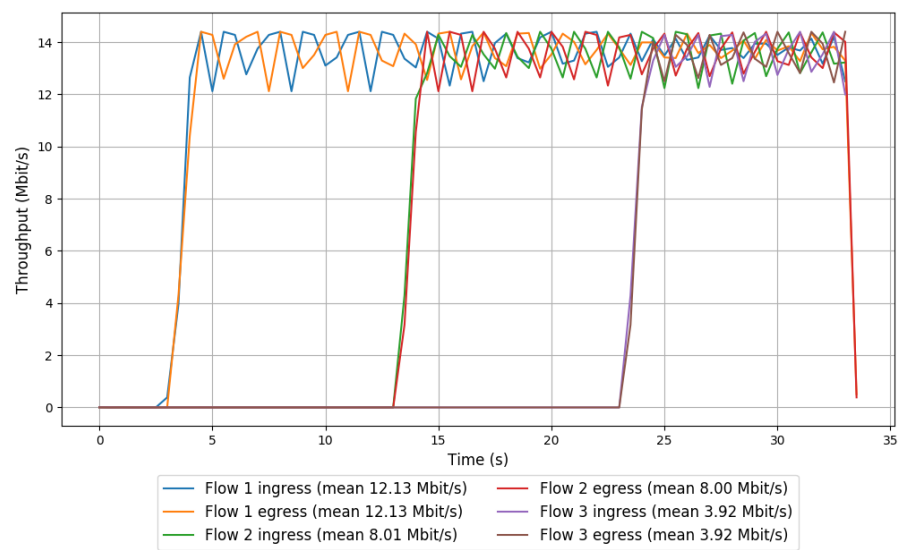
Run 3: Report of KohoCC — Data Link

```
Run 4: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 10:15:15 +0000
End at: Sat, 01 Jul 2017 10:15:45 +0000
Local clock offset: -0.024 ms
Remote clock offset: -9.975 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:47 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 50.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 49.944 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 50.094 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 50.106 ms
Loss rate: 0.00%
```
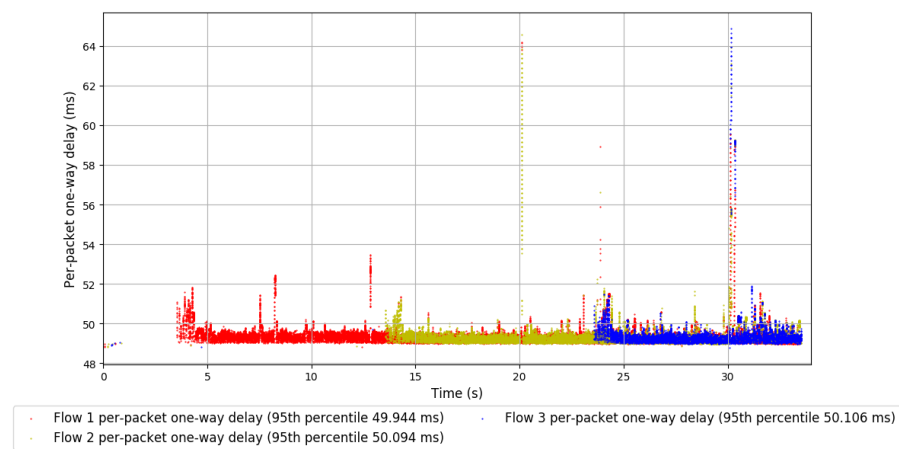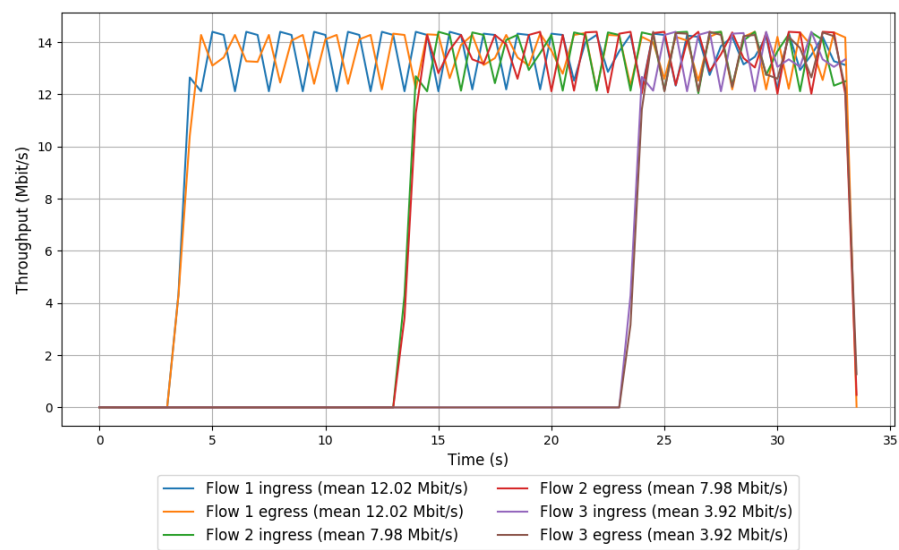
Run 4: Report of KohoCC — Data Link

Flow 1 ingress (mean 12.02 Mbit/s)   Flow 2 egress (mean 7.98 Mbit/s)
Flow 1 egress (mean 12.02 Mbit/s)   Flow 3 ingress (mean 3.92 Mbit/s)
Flow 2 ingress (mean 7.98 Mbit/s)   Flow 3 egress (mean 3.92 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 49.944 ms)   Flow 3 per-packet one-way delay (95th percentile 50.106 ms)
Flow 2 per-packet one-way delay (95th percentile 50.094 ms)

```
Run 5: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 10:35:48 +0000
End at: Sat, 01 Jul 2017 10:36:18 +0000
Local clock offset: 0.038 ms
Remote clock offset: -7.164 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:51 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.00 Mbit/s
95th percentile per-packet one-way delay: 49.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.14 Mbit/s
95th percentile per-packet one-way delay: 49.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 49.542 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 49.627 ms
Loss rate: 0.01%
```
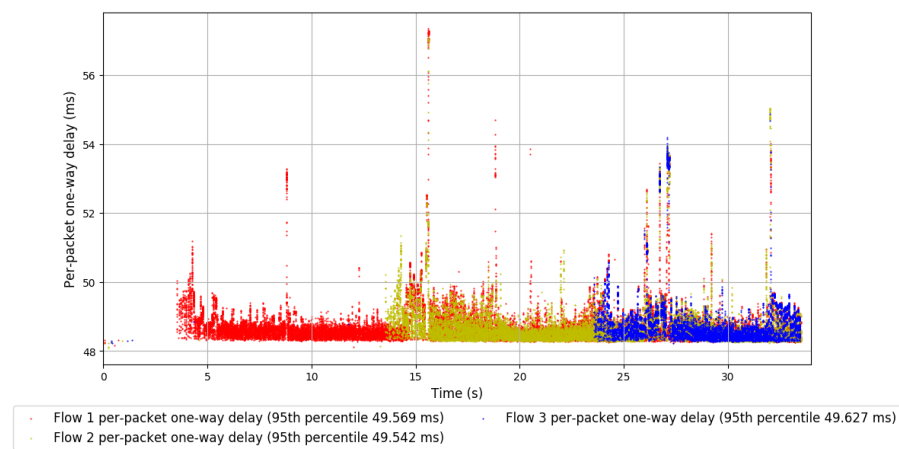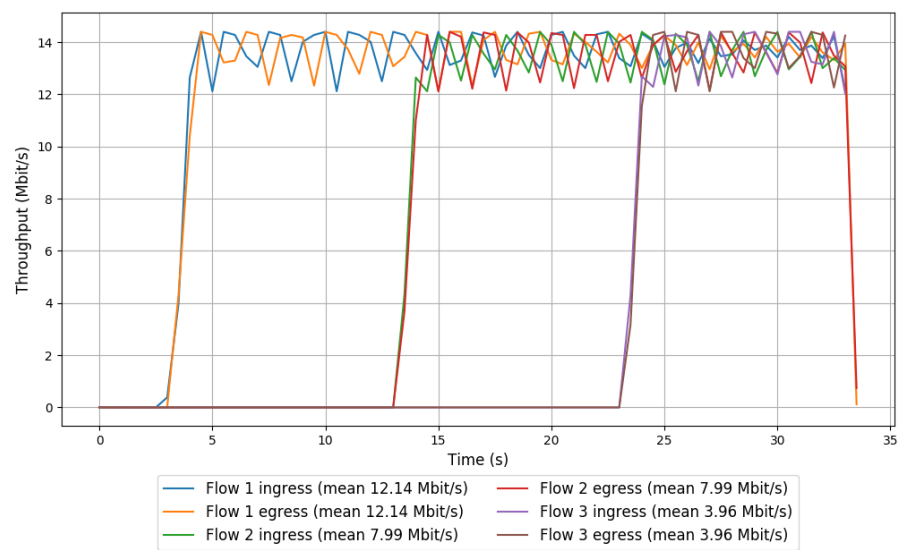
Run 5: Report of KohoCC — Data Link

Flow 1 ingress (mean 12.14 Mbit/s)
Flow 1 egress (mean 12.14 Mbit/s)
Flow 2 ingress (mean 7.99 Mbit/s)
Flow 2 egress (mean 7.99 Mbit/s)
Flow 3 ingress (mean 3.96 Mbit/s)
Flow 3 egress (mean 3.96 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 49.569 ms)
Flow 2 per-packet one-way delay (95th percentile 49.542 ms)
Flow 3 per-packet one-way delay (95th percentile 49.627 ms)

```
Run 6: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 10:56:23 +0000
End at: Sat, 01 Jul 2017 10:56:53 +0000
Local clock offset: 0.067 ms
Remote clock offset: -8.988 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:52 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.06 Mbit/s
95th percentile per-packet one-way delay: 48.741 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 48.823 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 48.679 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 48.575 ms
Loss rate: 0.00%
```
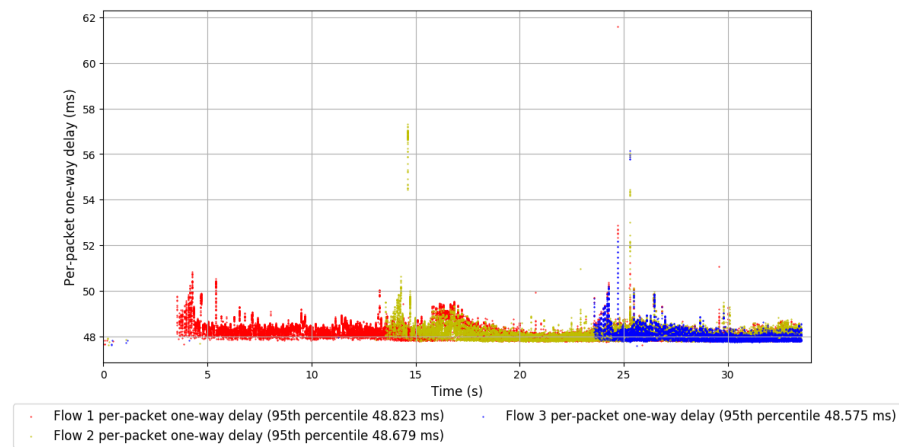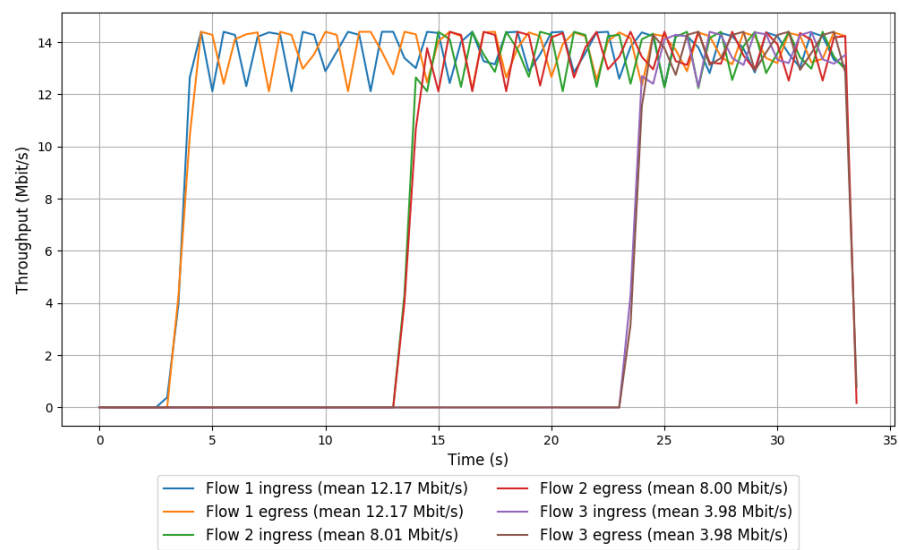
Run 6: Report of KohoCC — Data Link

```
Run 7: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 11:16:59 +0000
End at: Sat, 01 Jul 2017 11:17:29 +0000
Local clock offset: 0.194 ms
Remote clock offset: -6.618 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:55 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 48.643 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 48.597 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 48.731 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.96 Mbit/s
95th percentile per-packet one-way delay: 48.580 ms
Loss rate: 0.01%
```
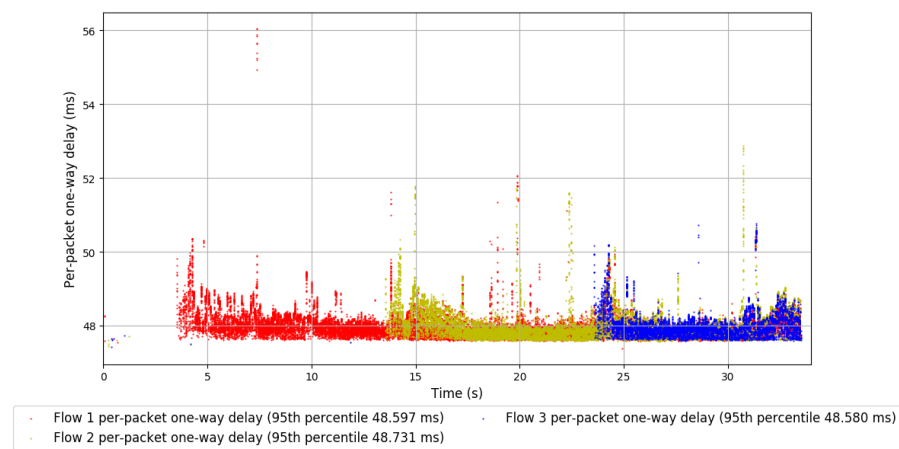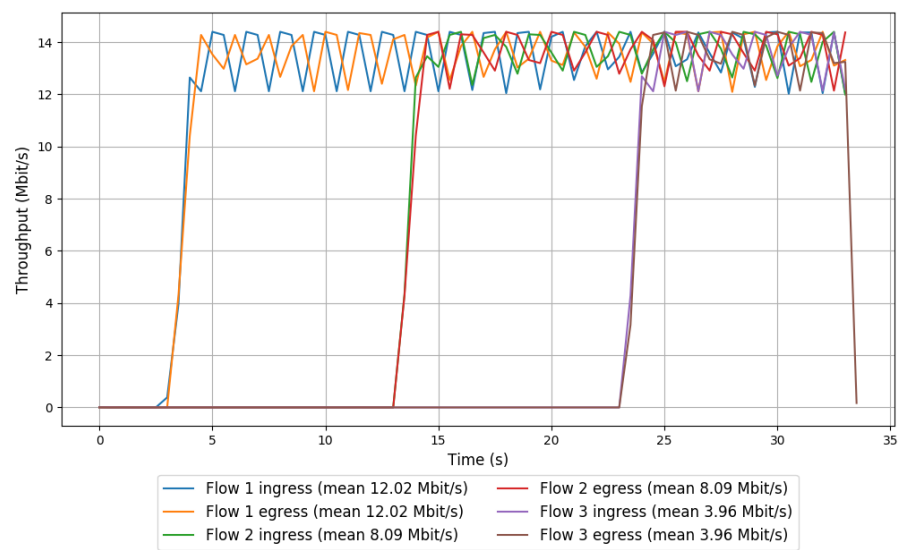
Run 7: Report of KohoCC — Data Link

```
Run 8: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 11:37:37 +0000
End at: Sat, 01 Jul 2017 11:38:07 +0000
Local clock offset: 0.334 ms
Remote clock offset: -6.418 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.85 Mbit/s
95th percentile per-packet one-way delay: 48.870 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 48.656 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 8.05 Mbit/s
95th percentile per-packet one-way delay: 48.927 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 49.407 ms
Loss rate: 0.26%
```
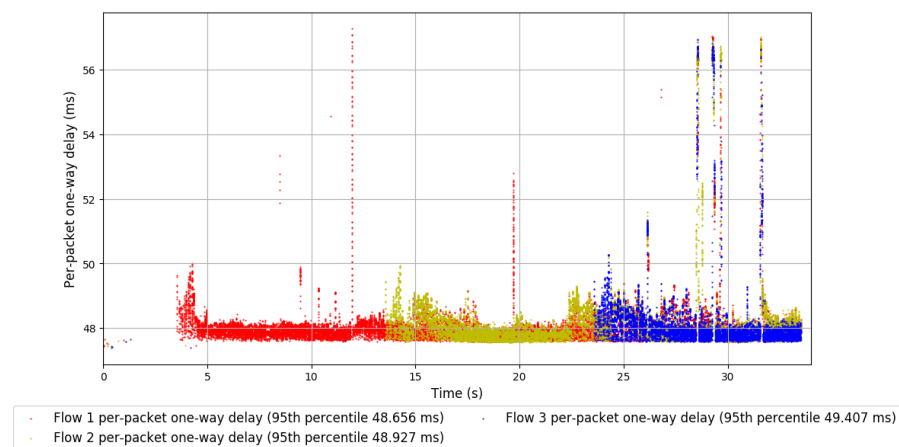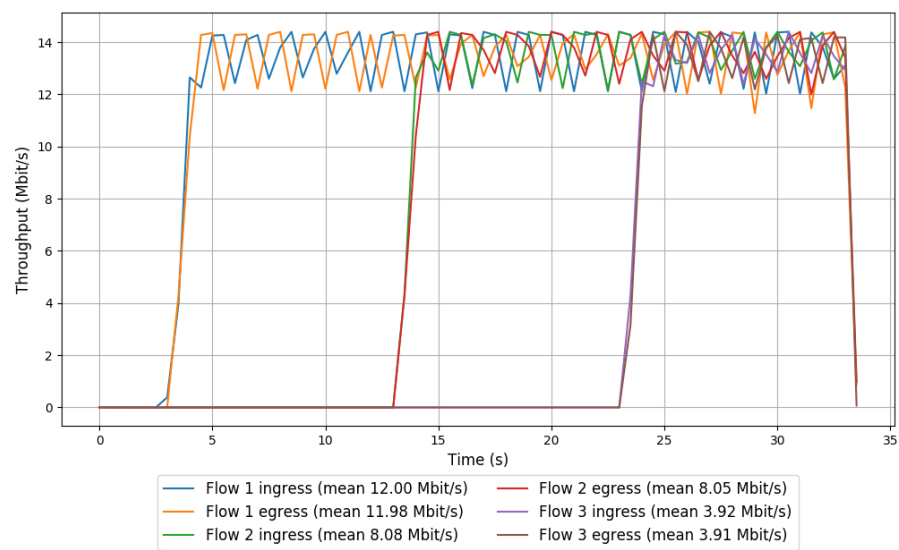
Run 8: Report of KohoCC — Data Link

```
Run 9: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 11:58:11 +0000
End at: Sat, 01 Jul 2017 11:58:41 +0000
Local clock offset: 0.434 ms
Remote clock offset: -0.608 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:50:59 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 24.01 Mbit/s
95th percentile per-packet one-way delay: 48.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.16 Mbit/s
95th percentile per-packet one-way delay: 48.624 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 48.487 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 48.784 ms
Loss rate: 0.00%
```
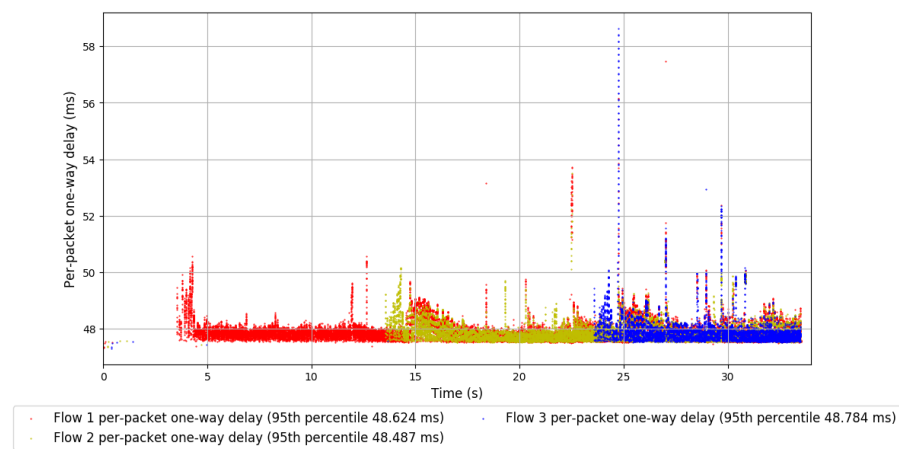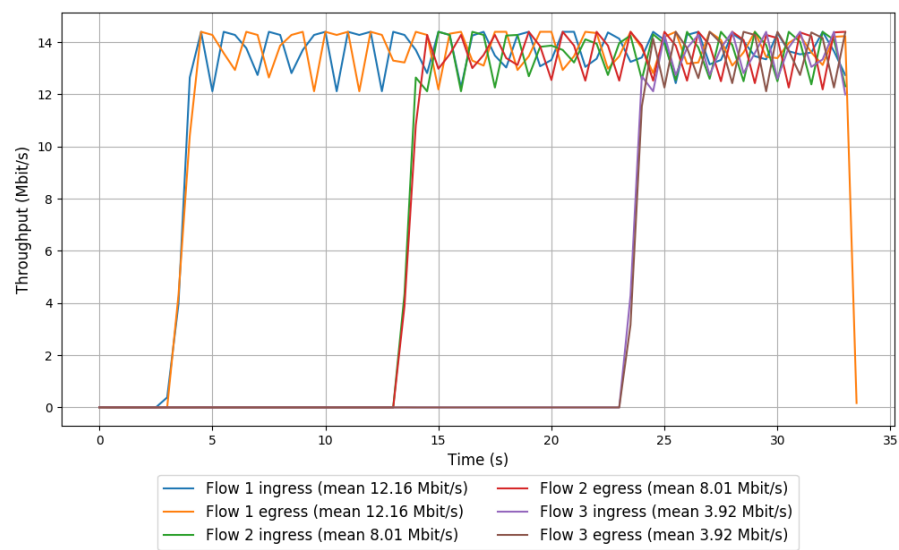
Run 9: Report of KohoCC — Data Link

```
Run 10: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 12:18:47 +0000
End at: Sat, 01 Jul 2017 12:19:17 +0000
Local clock offset: 0.481 ms
Remote clock offset: 0.779 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:01 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 23.88 Mbit/s
95th percentile per-packet one-way delay: 48.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 49.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 48.927 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.92 Mbit/s
95th percentile per-packet one-way delay: 48.923 ms
Loss rate: 0.00%
```

Run 10: Report of KohoCC — Data Link

- Flow 1 ingress (mean 12.03 Mbit/s)
- Flow 1 egress (mean 12.03 Mbit/s)
- Flow 2 ingress (mean 8.02 Mbit/s)
- Flow 2 egress (mean 8.02 Mbit/s)
- Flow 3 ingress (mean 3.92 Mbit/s)
- Flow 3 egress (mean 3.92 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 49.025 ms)
- Flow 2 per-packet one-way delay (95th percentile 48.927 ms)
- Flow 3 per-packet one-way delay (95th percentile 48.923 ms)

```
Run 1: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 09:16:36 +0000
End at: Sat, 01 Jul 2017 09:17:06 +0000
Local clock offset: -0.311 ms
Remote clock offset: -10.99 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:06 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.12 Mbit/s
95th percentile per-packet one-way delay: 71.046 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 34.11 Mbit/s
95th percentile per-packet one-way delay: 70.300 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 9.47 Mbit/s
95th percentile per-packet one-way delay: 72.567 ms
Loss rate: 0.30%
-- Flow 3:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 73.239 ms
Loss rate: 1.09%
```
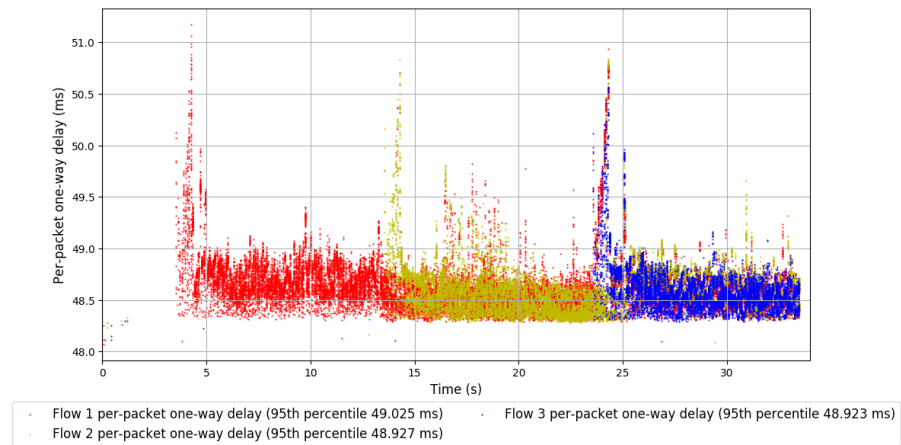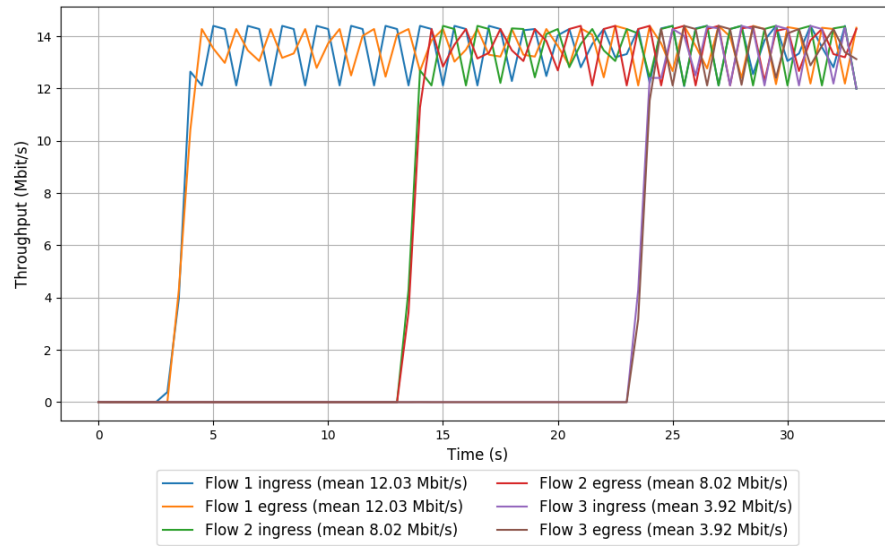
Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 34.12 Mbit/s)
Flow 1 egress (mean 34.11 Mbit/s)
Flow 2 ingress (mean 9.50 Mbit/s)
Flow 2 egress (mean 9.47 Mbit/s)
Flow 3 ingress (mean 1.63 Mbit/s)
Flow 3 egress (mean 1.61 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 70.300 ms)
Flow 2 per-packet one-way delay (95th percentile 72.567 ms)
Flow 3 per-packet one-way delay (95th percentile 73.239 ms)

```
Run 2: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 09:37:05 +0000
End at: Sat, 01 Jul 2017 09:37:35 +0000
Local clock offset: -0.278 ms
Remote clock offset: -12.547 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:09 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 51.93 Mbit/s
95th percentile per-packet one-way delay: 84.734 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 33.19 Mbit/s
95th percentile per-packet one-way delay: 84.255 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 85.169 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.93 Mbit/s
95th percentile per-packet one-way delay: 85.361 ms
Loss rate: 0.00%
```
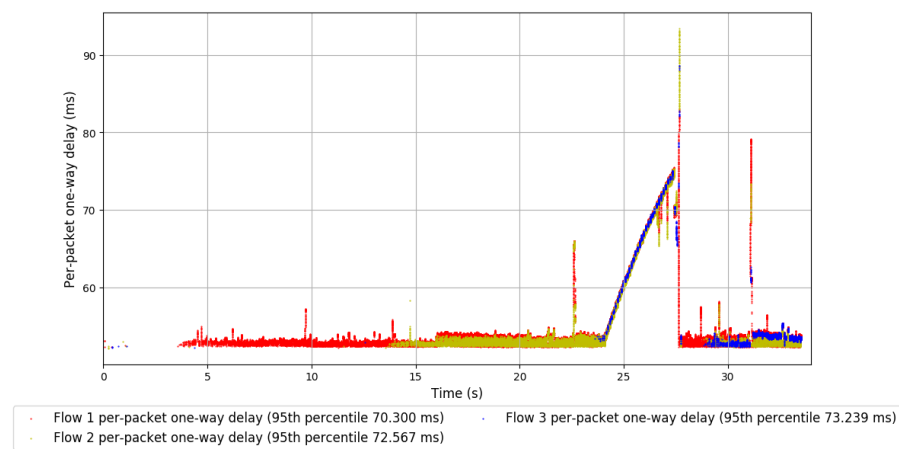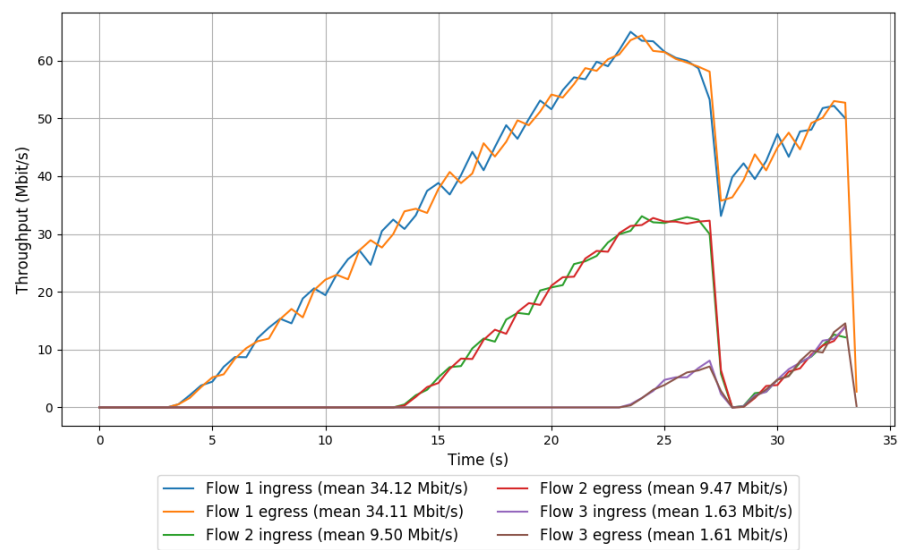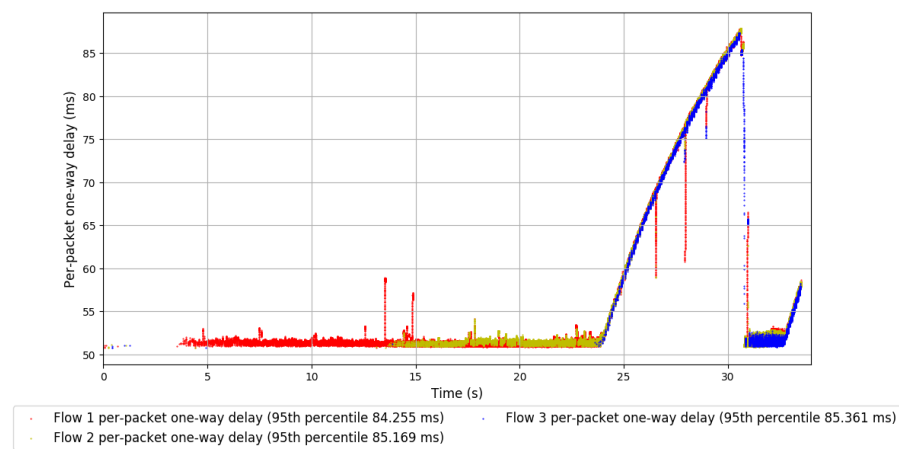
Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 33.20 Mbit/s)   Flow 2 egress (mean 15.95 Mbit/s)
Flow 1 egress (mean 33.19 Mbit/s)   Flow 3 ingress (mean 2.93 Mbit/s)
Flow 2 ingress (mean 15.95 Mbit/s)   Flow 3 egress (mean 2.93 Mbit/s)

· Flow 1 per-packet one-way delay (95th percentile 84.255 ms)   · Flow 3 per-packet one-way delay (95th percentile 85.361 ms)
· Flow 2 per-packet one-way delay (95th percentile 85.169 ms)

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```
Run 3: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 09:57:32 +0000
End at: Sat, 01 Jul 2017 09:58:02 +0000
Local clock offset: -0.266 ms
Remote clock offset: -9.077 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.51 Mbit/s
95th percentile per-packet one-way delay: 55.445 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 30.19 Mbit/s
95th percentile per-packet one-way delay: 55.568 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 10.98 Mbit/s
95th percentile per-packet one-way delay: 55.902 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 4.45 Mbit/s
95th percentile per-packet one-way delay: 53.320 ms
Loss rate: 0.00%
```
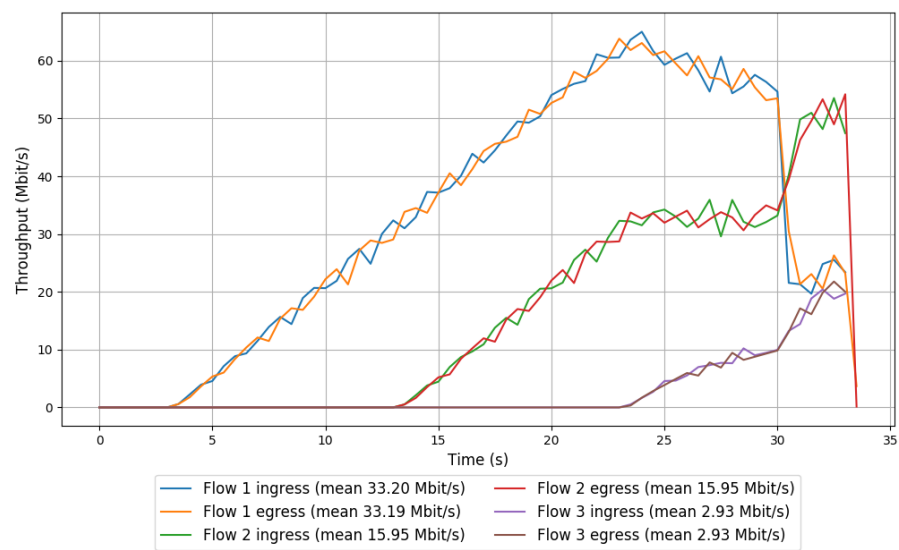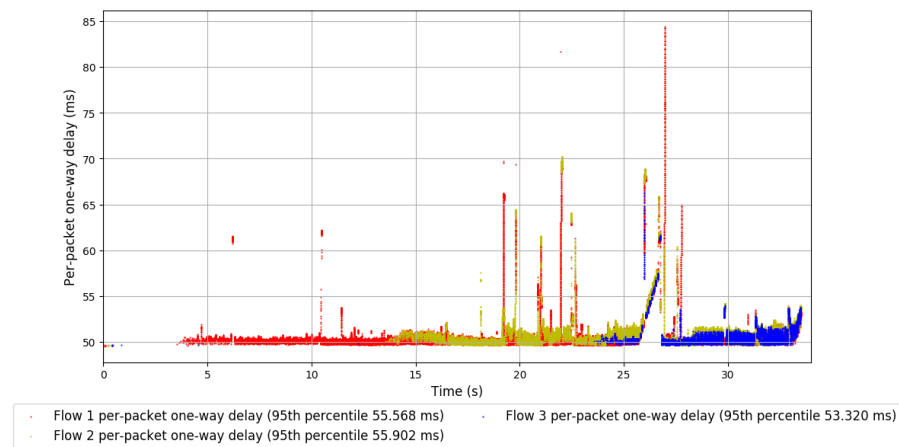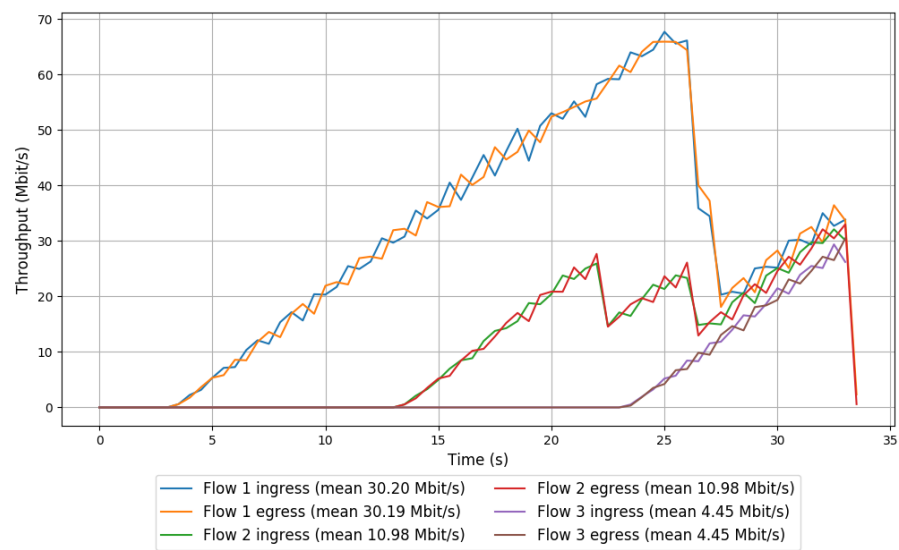
Run 3: Report of LEDBAT — Data Link

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```
Run 4: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 10:17:58 +0000
End at: Sat, 01 Jul 2017 10:18:28 +0000
Local clock offset: -0.031 ms
Remote clock offset: -7.305 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:17 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.19 Mbit/s
95th percentile per-packet one-way delay: 85.290 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 32.66 Mbit/s
95th percentile per-packet one-way delay: 84.583 ms
Loss rate: 0.24%
-- Flow 2:
Average throughput: 12.34 Mbit/s
95th percentile per-packet one-way delay: 85.809 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 87.034 ms
Loss rate: 0.08%
```
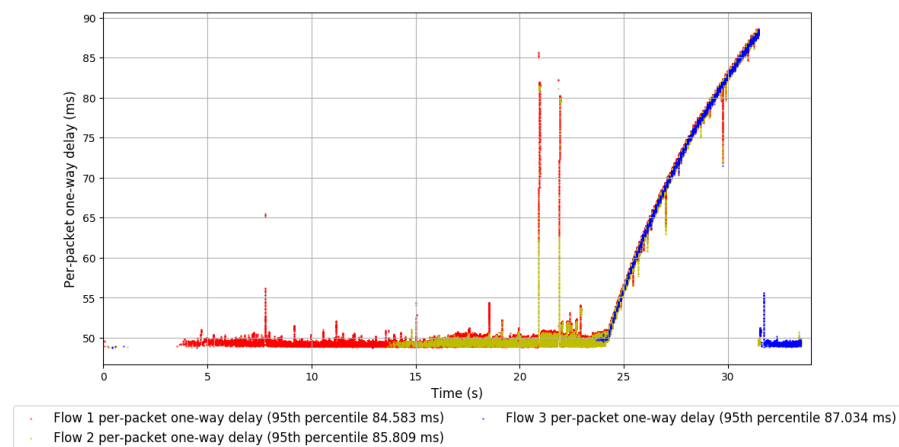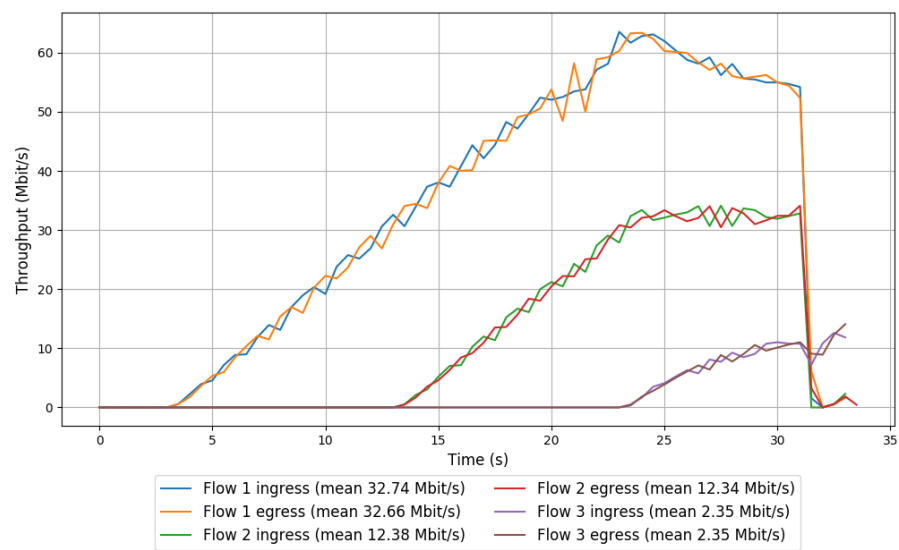
Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 10:38:32 +0000
End at: Sat, 01 Jul 2017 10:39:02 +0000
Local clock offset: -0.041 ms
Remote clock offset: -9.026 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.41 Mbit/s
95th percentile per-packet one-way delay: 69.914 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 28.13 Mbit/s
95th percentile per-packet one-way delay: 69.677 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 70.159 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 3.76 Mbit/s
95th percentile per-packet one-way delay: 69.524 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 28.14 Mbit/s)
Flow 1 egress (mean 28.13 Mbit/s)
Flow 2 ingress (mean 13.68 Mbit/s)
Flow 2 egress (mean 13.68 Mbit/s)
Flow 3 ingress (mean 3.76 Mbit/s)
Flow 3 egress (mean 3.76 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 69.677 ms)
Flow 2 per-packet one-way delay (95th percentile 70.159 ms)
Flow 3 per-packet one-way delay (95th percentile 69.524 ms)

```
Run 6: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 10:59:06 +0000
End at: Sat, 01 Jul 2017 10:59:36 +0000
Local clock offset: 0.069 ms
Remote clock offset: -6.487 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:25 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.05 Mbit/s
95th percentile per-packet one-way delay: 62.331 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 30.39 Mbit/s
95th percentile per-packet one-way delay: 62.275 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 10.79 Mbit/s
95th percentile per-packet one-way delay: 62.332 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.00 Mbit/s
95th percentile per-packet one-way delay: 62.491 ms
Loss rate: 0.00%
```
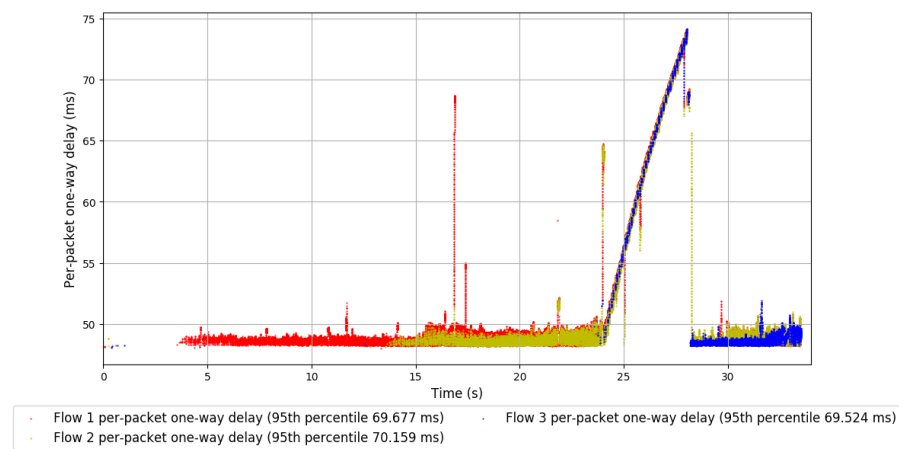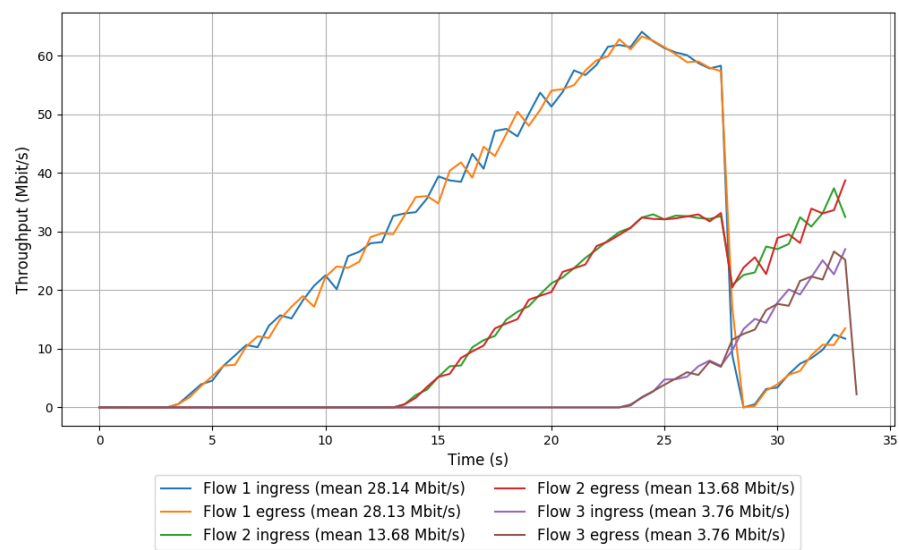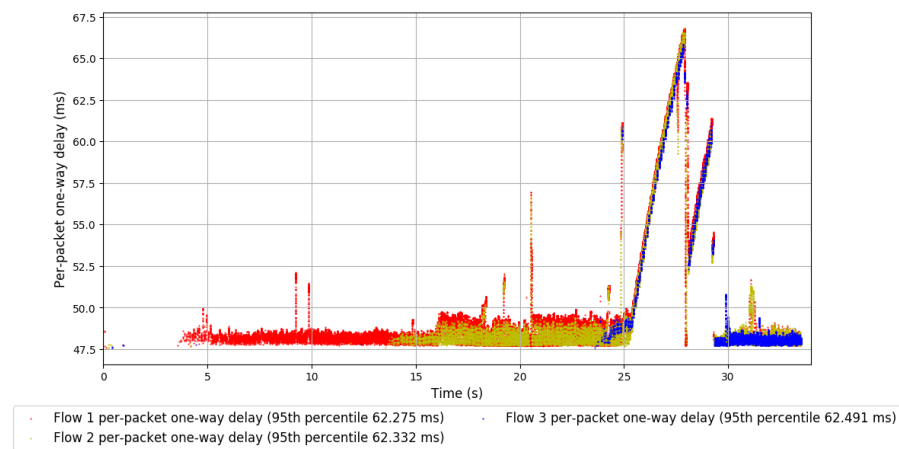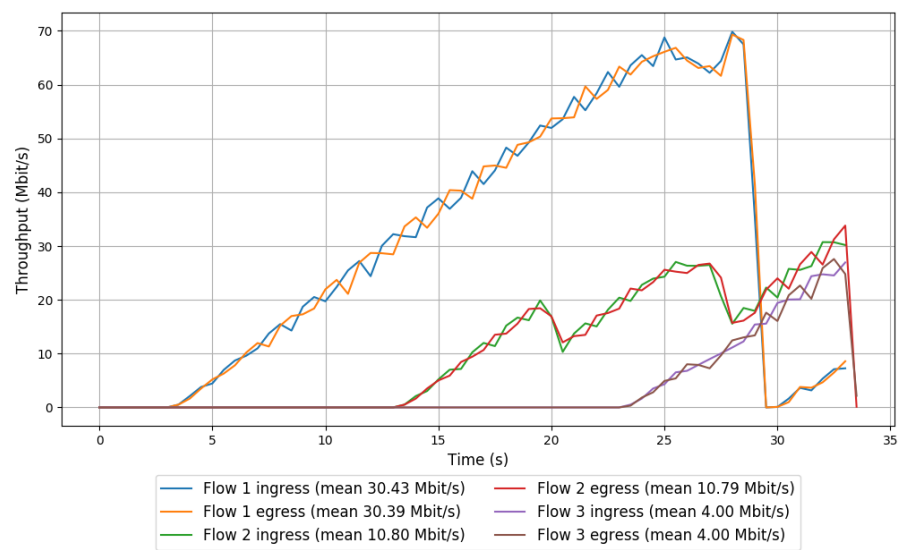
Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 11:19:43 +0000
End at: Sat, 01 Jul 2017 11:20:13 +0000
Local clock offset: 0.317 ms
Remote clock offset: -5.783 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:28 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 37.69 Mbit/s
95th percentile per-packet one-way delay: 56.899 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 21.90 Mbit/s
95th percentile per-packet one-way delay: 54.904 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 57.612 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 4.48 Mbit/s
95th percentile per-packet one-way delay: 59.289 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 21.93 Mbit/s)
Flow 1 egress (mean 21.90 Mbit/s)
Flow 2 ingress (mean 11.45 Mbit/s)
Flow 2 egress (mean 11.44 Mbit/s)
Flow 3 ingress (mean 4.48 Mbit/s)
Flow 3 egress (mean 4.48 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.904 ms)
Flow 2 per-packet one-way delay (95th percentile 57.612 ms)
Flow 3 per-packet one-way delay (95th percentile 59.289 ms)

```
Run 8: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 11:40:19 +0000
End at: Sat, 01 Jul 2017 11:40:49 +0000
Local clock offset: 0.276 ms
Remote clock offset: -5.671 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.64 Mbit/s
95th percentile per-packet one-way delay: 77.926 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 77.133 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 11.18 Mbit/s
95th percentile per-packet one-way delay: 79.155 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 78.962 ms
Loss rate: 0.00%
```
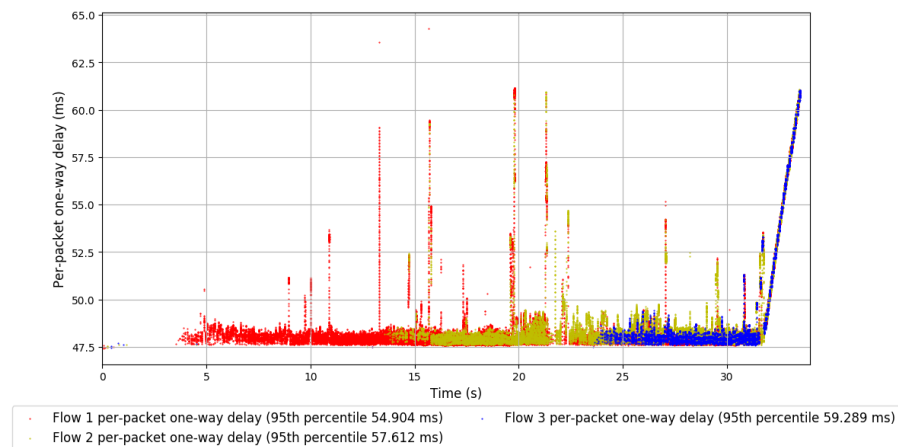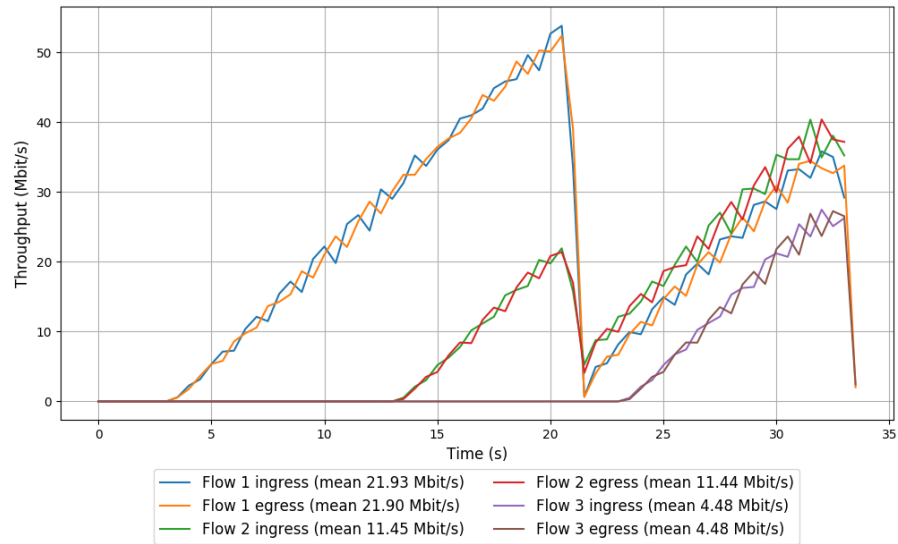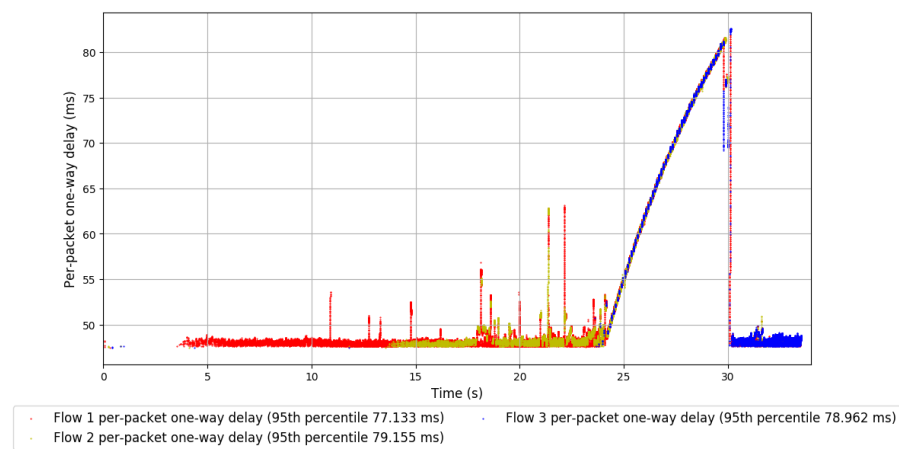
Run 8: Report of LEDBAT — Data Link

```
Run 9: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 12:00:55 +0000
End at: Sat, 01 Jul 2017 12:01:25 +0000
Local clock offset: 0.369 ms
Remote clock offset: -1.154 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:35 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.34 Mbit/s
95th percentile per-packet one-way delay: 83.868 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 32.21 Mbit/s
95th percentile per-packet one-way delay: 83.258 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 84.335 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 86.334 ms
Loss rate: 1.66%
```
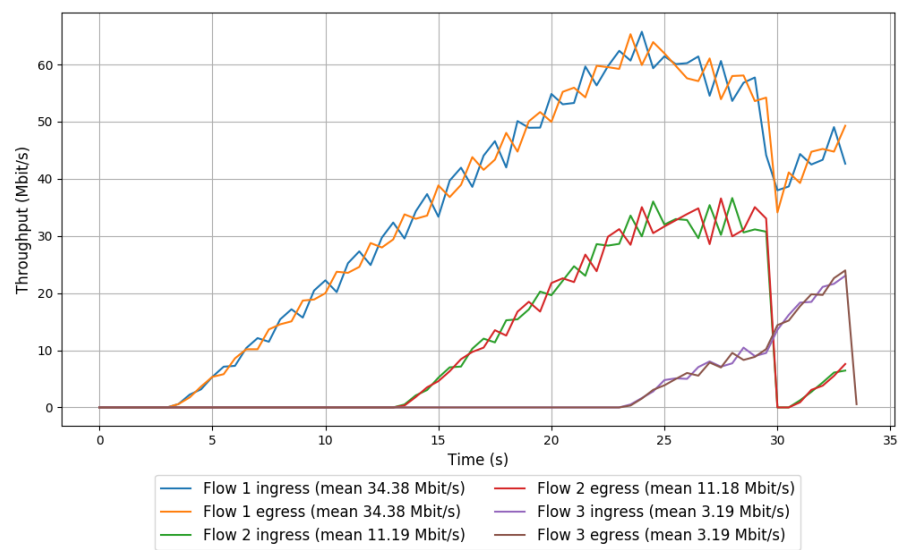
Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 32.29 Mbit/s)
Flow 2 egress (mean 13.55 Mbit/s)
Flow 1 egress (mean 32.21 Mbit/s)
Flow 3 ingress (mean 1.73 Mbit/s)
Flow 2 ingress (mean 13.55 Mbit/s)
Flow 3 egress (mean 1.70 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 83.258 ms)
Flow 2 per-packet one-way delay (95th percentile 84.335 ms)
Flow 3 per-packet one-way delay (95th percentile 86.334 ms)

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```
Run 10: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 12:21:31 +0000
End at: Sat, 01 Jul 2017 12:22:01 +0000
Local clock offset: 0.57 ms
Remote clock offset: 0.788 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.75 Mbit/s
95th percentile per-packet one-way delay: 79.987 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 31.07 Mbit/s
95th percentile per-packet one-way delay: 79.467 ms
Loss rate: 0.04%
-- Flow 2:
Average throughput: 13.75 Mbit/s
95th percentile per-packet one-way delay: 80.455 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 3.11 Mbit/s
95th percentile per-packet one-way delay: 80.910 ms
Loss rate: 0.00%
```
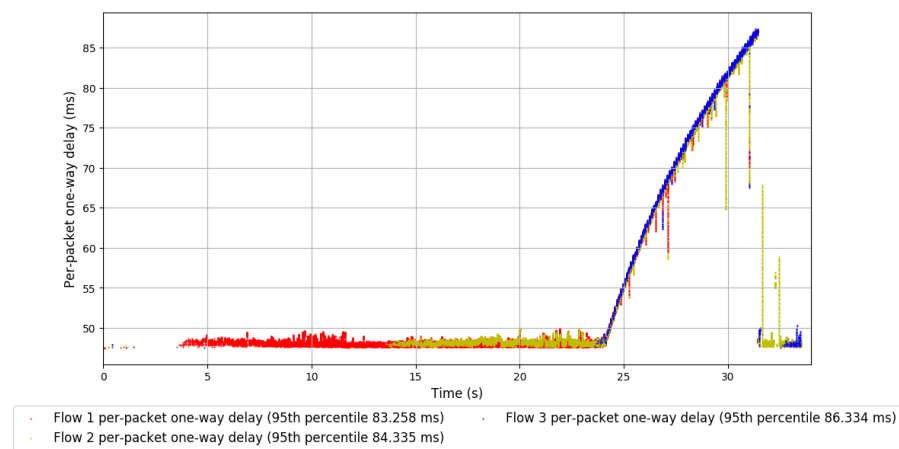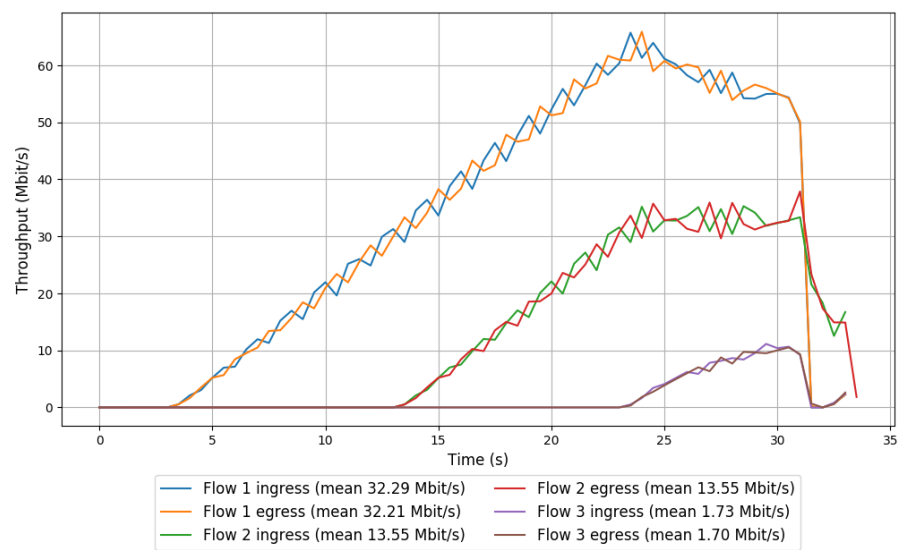
Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 31.08 Mbit/s)
Flow 1 egress (mean 31.07 Mbit/s)
Flow 2 ingress (mean 13.75 Mbit/s)
Flow 2 egress (mean 13.75 Mbit/s)
Flow 3 ingress (mean 3.11 Mbit/s)
Flow 3 egress (mean 3.11 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 79.467 ms)
Flow 2 per-packet one-way delay (95th percentile 80.455 ms)
Flow 3 per-packet one-way delay (95th percentile 80.910 ms)

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```
Run 1: Statistics of PCC

Start at: Sat, 01 Jul 2017 09:12:31 +0000
End at: Sat, 01 Jul 2017 09:13:01 +0000
Local clock offset: -0.33 ms
Remote clock offset: -11.763 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:46 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.12 Mbit/s
95th percentile per-packet one-way delay: 84.860 ms
Loss rate: 1.80%
-- Flow 1:
Average throughput: 64.25 Mbit/s
95th percentile per-packet one-way delay: 85.045 ms
Loss rate: 1.89%
-- Flow 2:
Average throughput: 4.79 Mbit/s
95th percentile per-packet one-way delay: 85.740 ms
Loss rate: 1.35%
-- Flow 3:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 64.877 ms
Loss rate: 0.10%
```
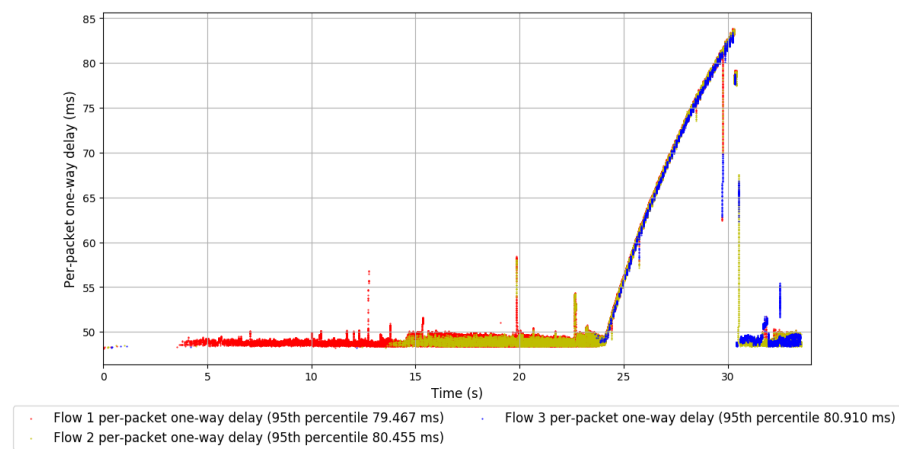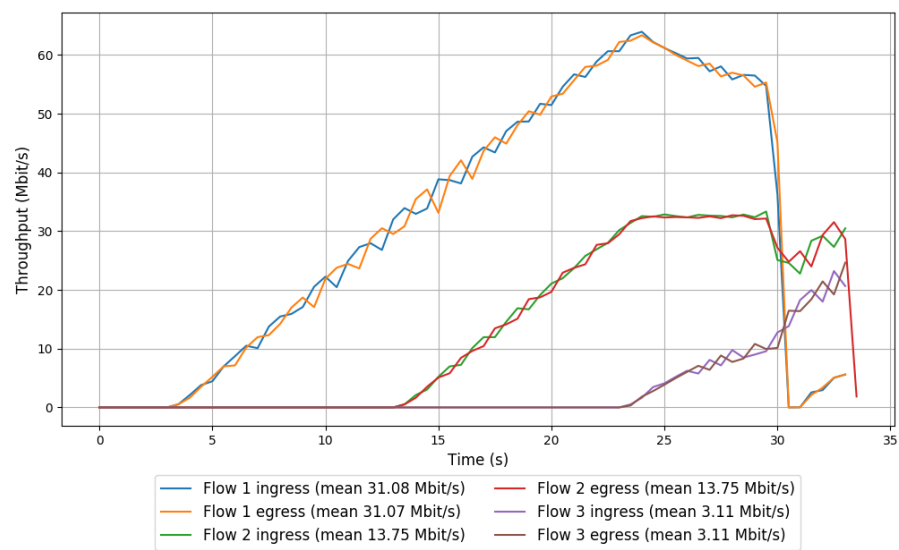
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 65.49 Mbit/s)
Flow 1 egress (mean 64.25 Mbit/s)
Flow 2 ingress (mean 4.86 Mbit/s)
Flow 2 egress (mean 4.79 Mbit/s)
Flow 3 ingress (mean 2.13 Mbit/s)
Flow 3 egress (mean 2.13 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 85.045 ms)
Flow 2 per-packet one-way delay (95th percentile 85.740 ms)
Flow 3 per-packet one-way delay (95th percentile 64.877 ms)

```
Run 2: Statistics of PCC

Start at: Sat, 01 Jul 2017 09:33:00 +0000
End at: Sat, 01 Jul 2017 09:33:30 +0000
Local clock offset: -0.384 ms
Remote clock offset: -12.818 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:52 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.31 Mbit/s
95th percentile per-packet one-way delay: 83.460 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 70.17 Mbit/s
95th percentile per-packet one-way delay: 83.282 ms
Loss rate: 1.87%
-- Flow 2:
Average throughput: 2.47 Mbit/s
95th percentile per-packet one-way delay: 86.322 ms
Loss rate: 1.69%
-- Flow 3:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 84.083 ms
Loss rate: 4.12%
```
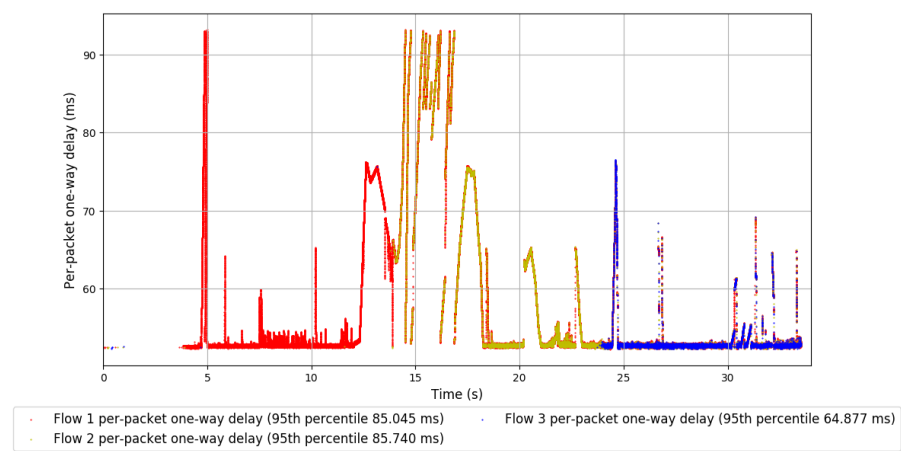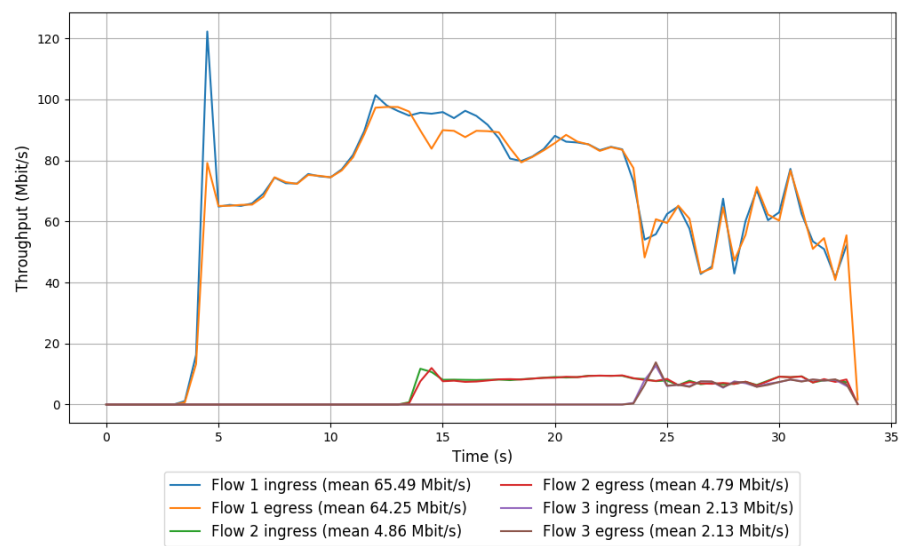
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 71.50 Mbit/s)
Flow 1 egress (mean 70.17 Mbit/s)
Flow 2 ingress (mean 2.51 Mbit/s)
Flow 2 egress (mean 2.47 Mbit/s)
Flow 3 ingress (mean 3.88 Mbit/s)
Flow 3 egress (mean 3.72 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 83.282 ms)
Flow 2 per-packet one-way delay (95th percentile 86.322 ms)
Flow 3 per-packet one-way delay (95th percentile 84.083 ms)

```
Run 3: Statistics of PCC

Start at: Sat, 01 Jul 2017 09:53:28 +0000
End at: Sat, 01 Jul 2017 09:53:58 +0000
Local clock offset: -0.177 ms
Remote clock offset: -8.928 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:51:59 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.48 Mbit/s
95th percentile per-packet one-way delay: 86.233 ms
Loss rate: 4.69%
-- Flow 1:
Average throughput: 64.57 Mbit/s
95th percentile per-packet one-way delay: 86.054 ms
Loss rate: 4.39%
-- Flow 2:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 87.430 ms
Loss rate: 5.87%
-- Flow 3:
Average throughput: 7.15 Mbit/s
95th percentile per-packet one-way delay: 86.004 ms
Loss rate: 6.10%
```
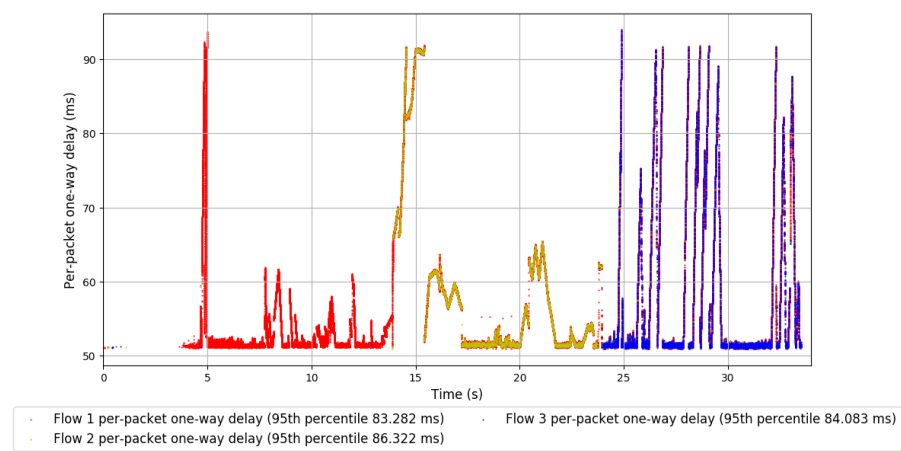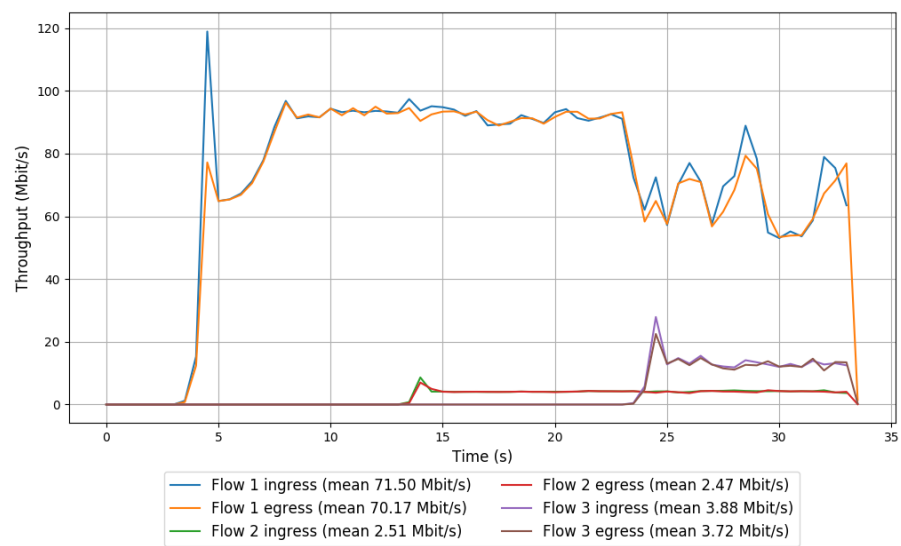
Run 3: Report of PCC — Data Link

- Flow 1 ingress (mean 67.55 Mbit/s)
- Flow 1 egress (mean 64.57 Mbit/s)
- Flow 2 ingress (mean 8.38 Mbit/s)
- Flow 2 egress (mean 7.88 Mbit/s)
- Flow 3 ingress (mean 7.62 Mbit/s)
- Flow 3 egress (mean 7.15 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 86.054 ms)
- Flow 2 per-packet one-way delay (95th percentile 87.430 ms)
- Flow 3 per-packet one-way delay (95th percentile 86.004 ms)

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```
Run 4: Statistics of PCC

Start at: Sat, 01 Jul 2017 10:13:53 +0000
End at: Sat, 01 Jul 2017 10:14:23 +0000
Local clock offset: -0.044 ms
Remote clock offset: -7.477 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:52:04 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.34 Mbit/s
95th percentile per-packet one-way delay: 77.926 ms
Loss rate: 1.51%
-- Flow 1:
Average throughput: 60.12 Mbit/s
95th percentile per-packet one-way delay: 78.069 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 79.459 ms
Loss rate: 1.27%
-- Flow 3:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 59.938 ms
Loss rate: 0.00%
```
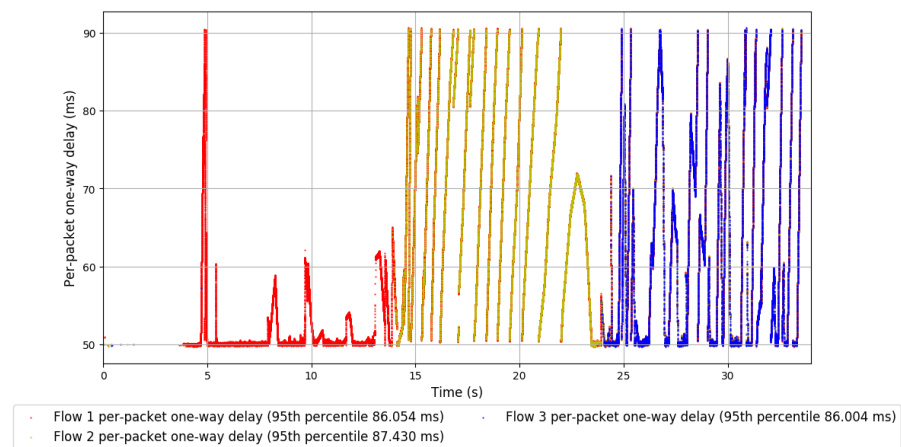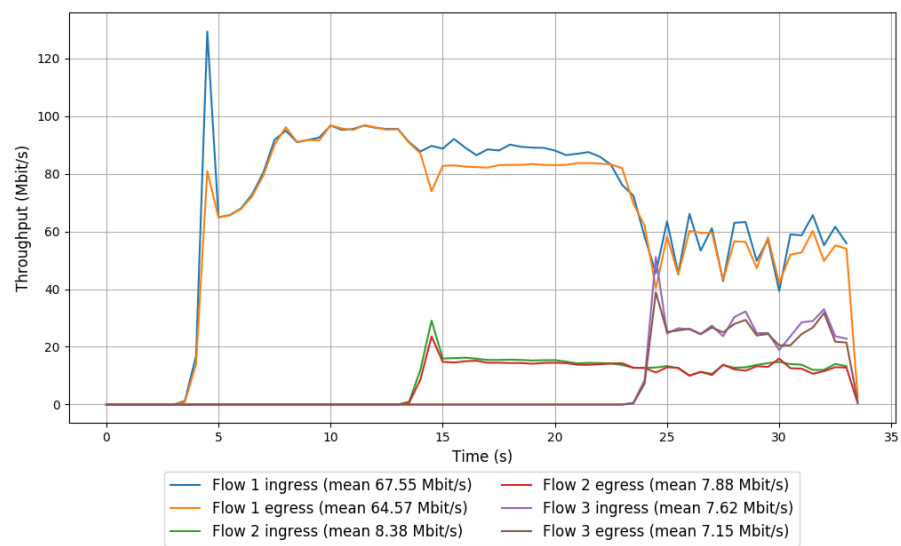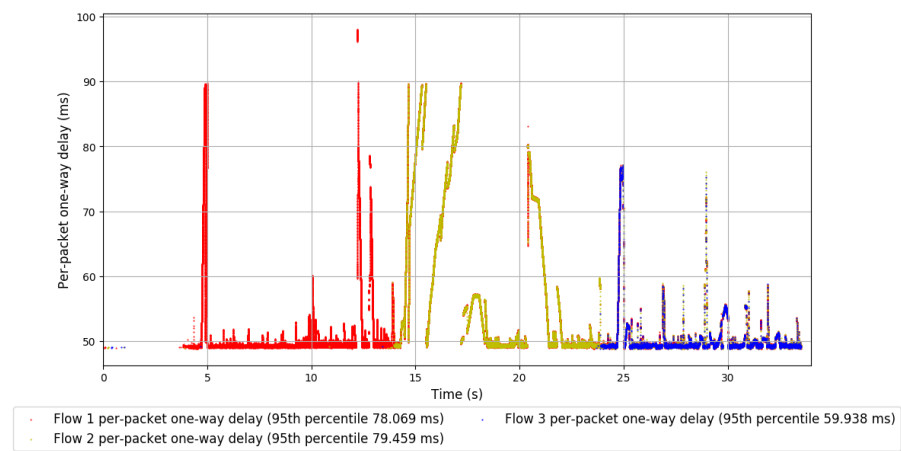
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 61.10 Mbit/s)   Flow 2 egress (mean 9.17 Mbit/s)
Flow 1 egress (mean 60.12 Mbit/s)   Flow 3 ingress (mean 2.12 Mbit/s)
Flow 2 ingress (mean 9.29 Mbit/s)   Flow 3 egress (mean 2.12 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 78.069 ms)   Flow 3 per-packet one-way delay (95th percentile 59.938 ms)
Flow 2 per-packet one-way delay (95th percentile 79.459 ms)

```
Run 5: Statistics of PCC

Start at: Sat, 01 Jul 2017 10:34:26 +0000
End at: Sat, 01 Jul 2017 10:34:56 +0000
Local clock offset: -0.063 ms
Remote clock offset: -7.187 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:52:10 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.78 Mbit/s
95th percentile per-packet one-way delay: 77.397 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 66.76 Mbit/s
95th percentile per-packet one-way delay: 76.973 ms
Loss rate: 2.00%
-- Flow 2:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 77.905 ms
Loss rate: 1.54%
-- Flow 3:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 80.843 ms
Loss rate: 2.90%
```
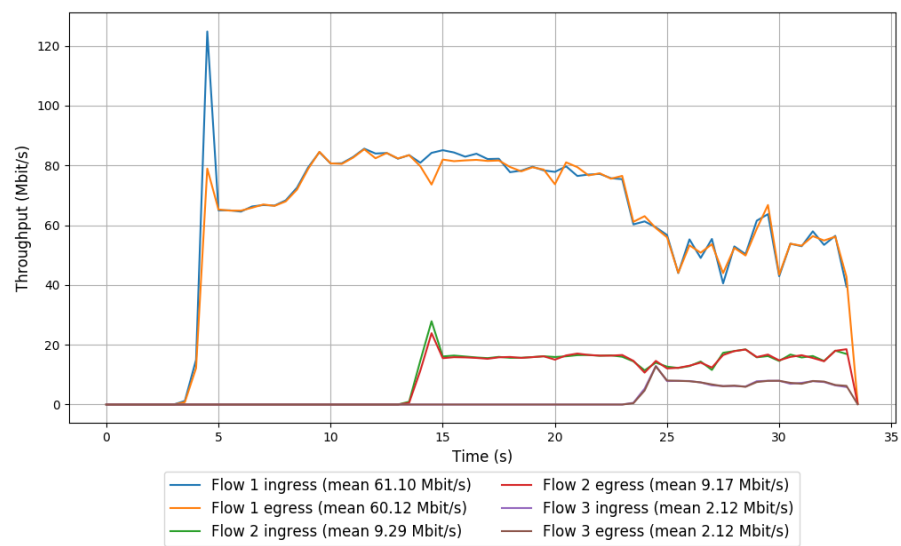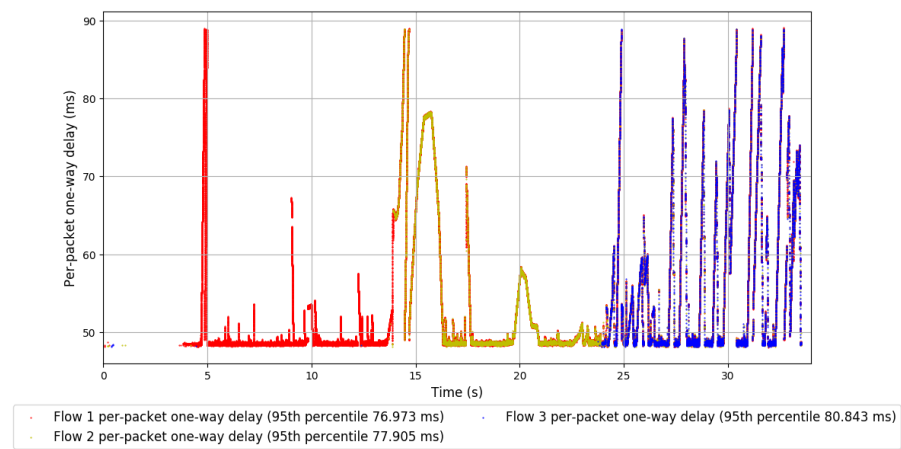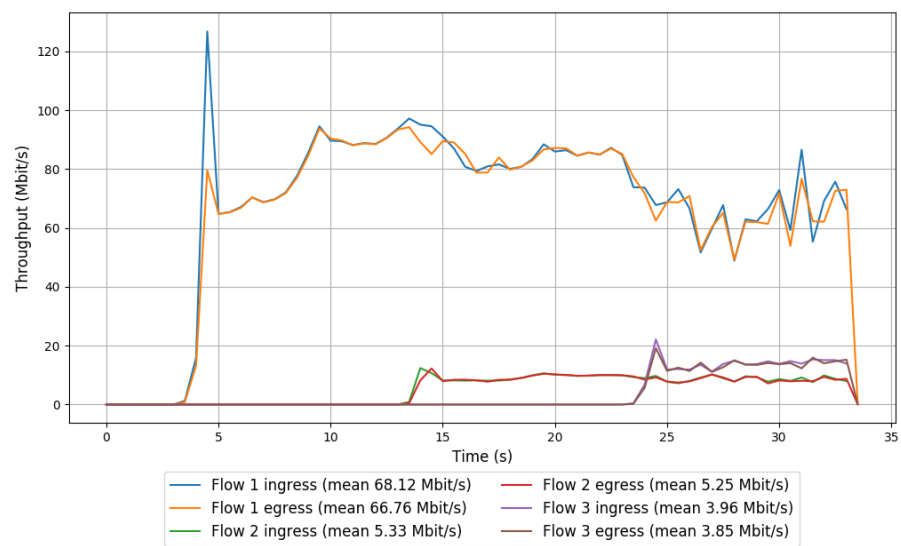
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 68.12 Mbit/s)
Flow 1 egress (mean 66.76 Mbit/s)
Flow 2 ingress (mean 5.33 Mbit/s)
Flow 2 egress (mean 5.25 Mbit/s)
Flow 3 ingress (mean 3.96 Mbit/s)
Flow 3 egress (mean 3.85 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 76.973 ms)
Flow 2 per-packet one-way delay (95th percentile 77.905 ms)
Flow 3 per-packet one-way delay (95th percentile 80.843 ms)

```
Run 6: Statistics of PCC

Start at: Sat, 01 Jul 2017 10:55:01 +0000
End at: Sat, 01 Jul 2017 10:55:31 +0000
Local clock offset: 0.131 ms
Remote clock offset: -6.517 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:52:16 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.11 Mbit/s
95th percentile per-packet one-way delay: 76.265 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 63.03 Mbit/s
95th percentile per-packet one-way delay: 74.892 ms
Loss rate: 3.04%
-- Flow 2:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 78.772 ms
Loss rate: 3.64%
-- Flow 3:
Average throughput: 7.55 Mbit/s
95th percentile per-packet one-way delay: 83.354 ms
Loss rate: 7.22%
```
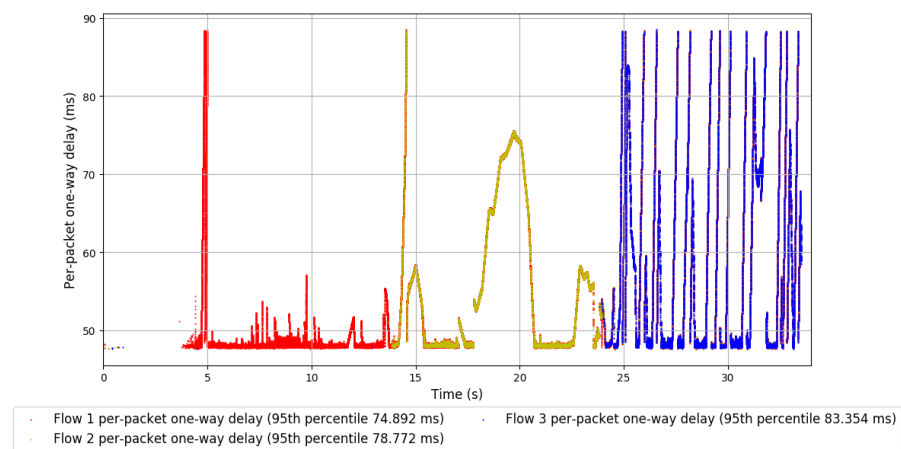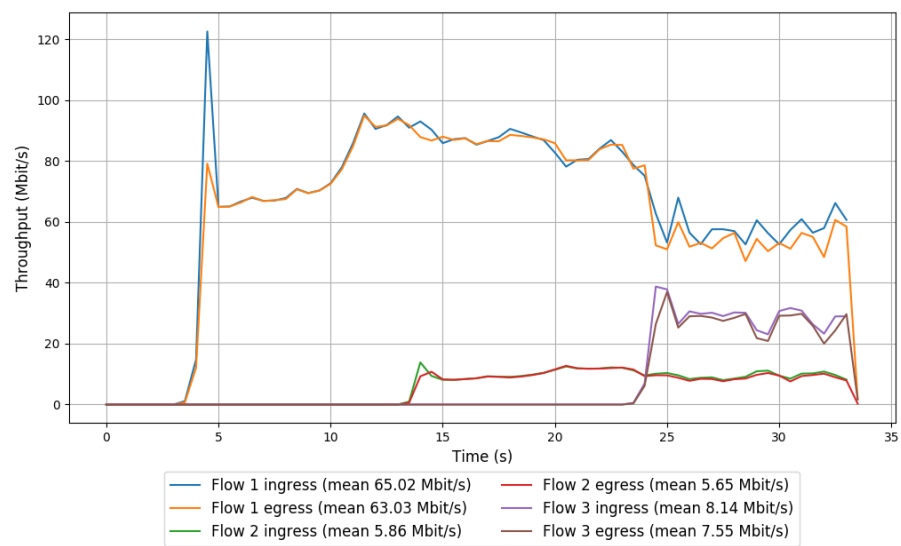
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 65.02 Mbit/s)   Flow 2 egress (mean 5.65 Mbit/s)
Flow 1 egress (mean 63.03 Mbit/s)   Flow 3 ingress (mean 8.14 Mbit/s)
Flow 2 ingress (mean 5.86 Mbit/s)   Flow 3 egress (mean 7.55 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 74.892 ms)   Flow 3 per-packet one-way delay (95th percentile 83.354 ms)
Flow 2 per-packet one-way delay (95th percentile 78.772 ms)

```
Run 7: Statistics of PCC

Start at: Sat, 01 Jul 2017 11:15:36 +0000
End at: Sat, 01 Jul 2017 11:16:06 +0000
Local clock offset: 0.184 ms
Remote clock offset: -8.238 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:52:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.81 Mbit/s
95th percentile per-packet one-way delay: 78.637 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 58.85 Mbit/s
95th percentile per-packet one-way delay: 77.369 ms
Loss rate: 3.07%
-- Flow 2:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 79.909 ms
Loss rate: 3.66%
-- Flow 3:
Average throughput: 6.94 Mbit/s
95th percentile per-packet one-way delay: 83.044 ms
Loss rate: 7.44%
```
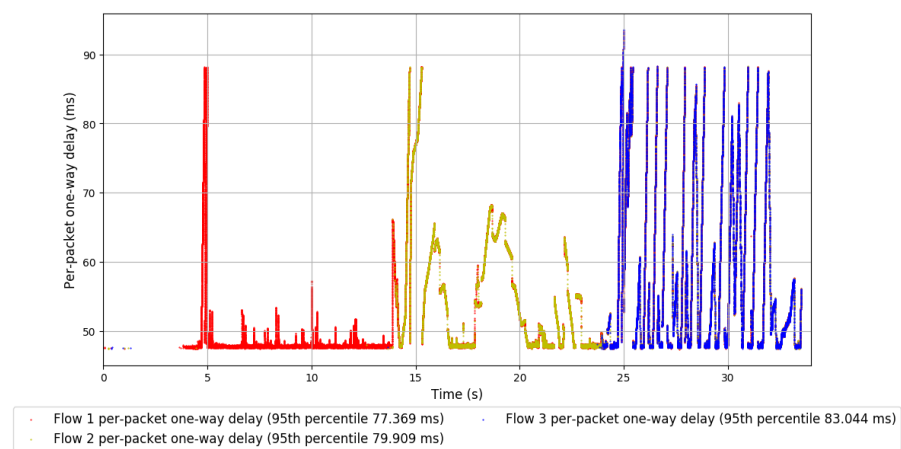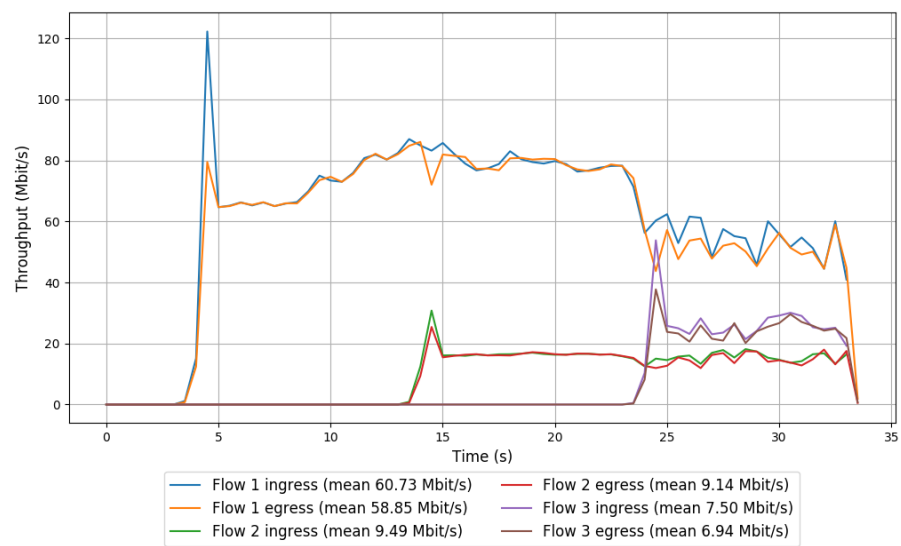
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 60.73 Mbit/s)
Flow 1 egress (mean 58.85 Mbit/s)
Flow 2 ingress (mean 9.49 Mbit/s)
Flow 2 egress (mean 9.14 Mbit/s)
Flow 3 ingress (mean 7.50 Mbit/s)
Flow 3 egress (mean 6.94 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 77.369 ms)
Flow 2 per-packet one-way delay (95th percentile 79.909 ms)
Flow 3 per-packet one-way delay (95th percentile 83.044 ms)

```
Run 8: Statistics of PCC

Start at: Sat, 01 Jul 2017 11:36:14 +0000
End at: Sat, 01 Jul 2017 11:36:44 +0000
Local clock offset: 0.28 ms
Remote clock offset: -6.056 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:52:29 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.38 Mbit/s
95th percentile per-packet one-way delay: 83.621 ms
Loss rate: 9.47%
-- Flow 1:
Average throughput: 59.98 Mbit/s
95th percentile per-packet one-way delay: 82.665 ms
Loss rate: 6.79%
-- Flow 2:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 84.351 ms
Loss rate: 10.68%
-- Flow 3:
Average throughput: 11.25 Mbit/s
95th percentile per-packet one-way delay: 85.724 ms
Loss rate: 20.93%
```
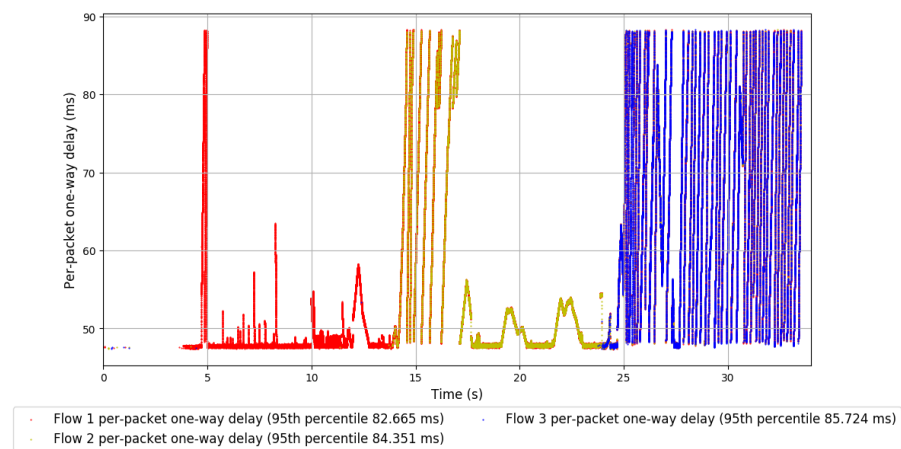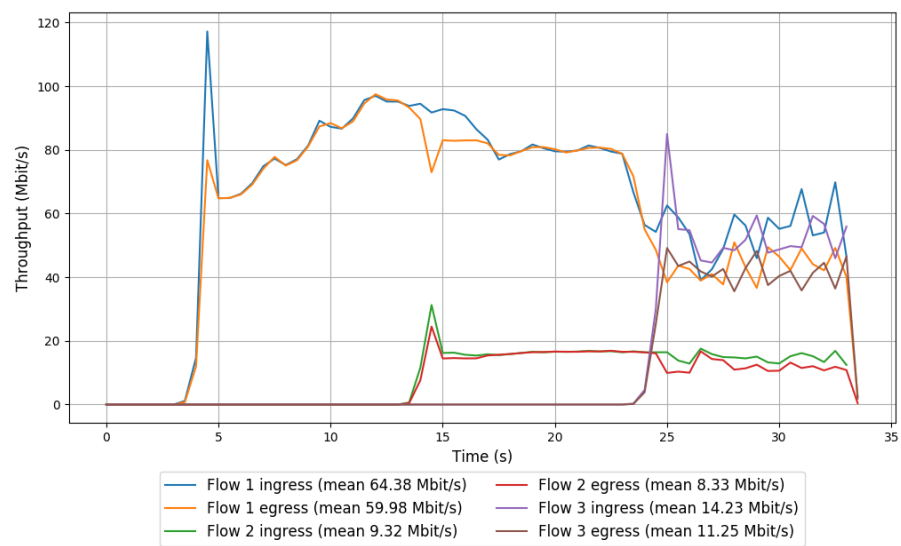
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 64.38 Mbit/s)   Flow 2 egress (mean 8.33 Mbit/s)
Flow 1 egress (mean 59.98 Mbit/s)   Flow 3 ingress (mean 14.23 Mbit/s)
Flow 2 ingress (mean 9.32 Mbit/s)   Flow 3 egress (mean 11.25 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 82.665 ms)   Flow 3 per-packet one-way delay (95th percentile 85.724 ms)
Flow 2 per-packet one-way delay (95th percentile 84.351 ms)

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```
Run 9: Statistics of PCC

Start at: Sat, 01 Jul 2017 11:56:49 +0000
End at: Sat, 01 Jul 2017 11:57:19 +0000
Local clock offset: 0.343 ms
Remote clock offset: 1.506 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:52:34 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.45 Mbit/s
95th percentile per-packet one-way delay: 78.554 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 68.46 Mbit/s
95th percentile per-packet one-way delay: 78.612 ms
Loss rate: 1.34%
-- Flow 2:
Average throughput: 5.00 Mbit/s
95th percentile per-packet one-way delay: 79.124 ms
Loss rate: 1.04%
-- Flow 3:
Average throughput: 2.04 Mbit/s
95th percentile per-packet one-way delay: 61.722 ms
Loss rate: 0.00%
```
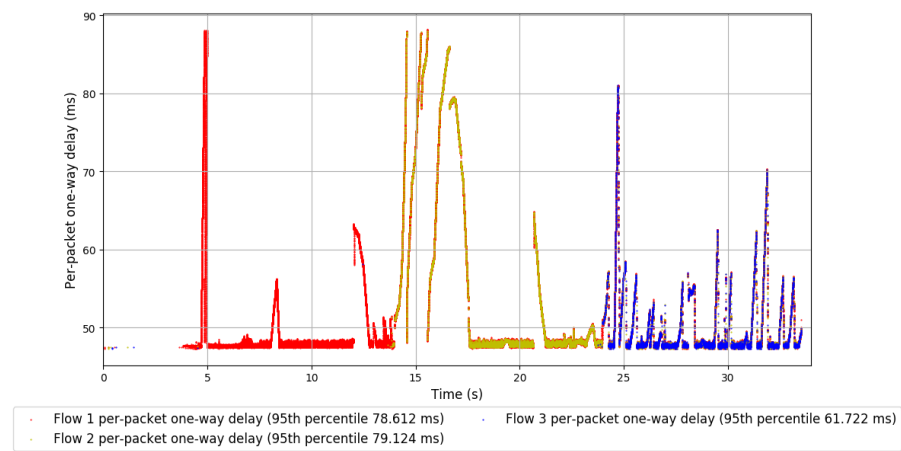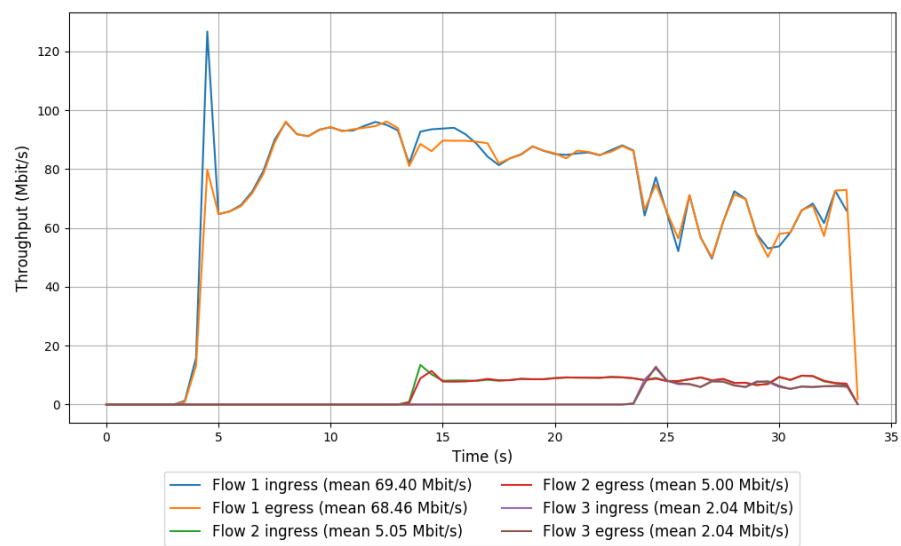
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 69.40 Mbit/s)
Flow 1 egress (mean 68.46 Mbit/s)
Flow 2 ingress (mean 5.05 Mbit/s)
Flow 2 egress (mean 5.00 Mbit/s)
Flow 3 ingress (mean 2.04 Mbit/s)
Flow 3 egress (mean 2.04 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 78.612 ms)
Flow 2 per-packet one-way delay (95th percentile 79.124 ms)
Flow 3 per-packet one-way delay (95th percentile 61.722 ms)

```
Run 10: Statistics of PCC

Start at: Sat, 01 Jul 2017 12:17:25 +0000
End at: Sat, 01 Jul 2017 12:17:55 +0000
Local clock offset: 0.431 ms
Remote clock offset: 0.509 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:52:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.93 Mbit/s
95th percentile per-packet one-way delay: 80.472 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 67.41 Mbit/s
95th percentile per-packet one-way delay: 80.489 ms
Loss rate: 1.69%
-- Flow 2:
Average throughput: 4.43 Mbit/s
95th percentile per-packet one-way delay: 82.448 ms
Loss rate: 1.57%
-- Flow 3:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 63.453 ms
Loss rate: 0.00%
```
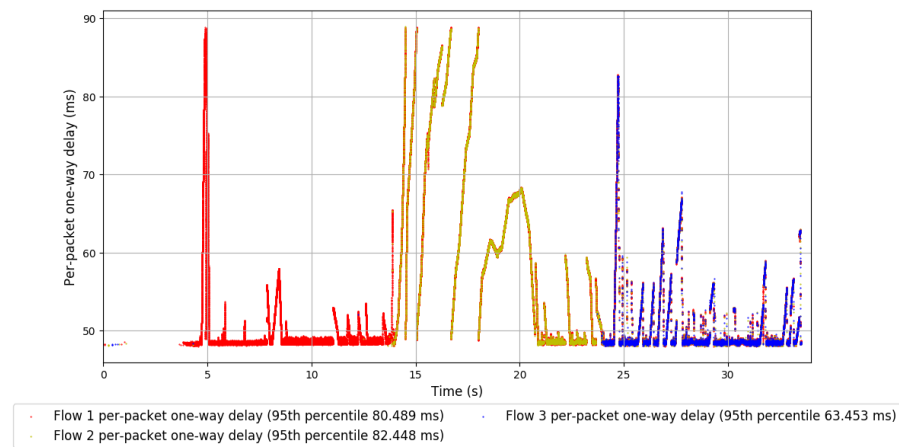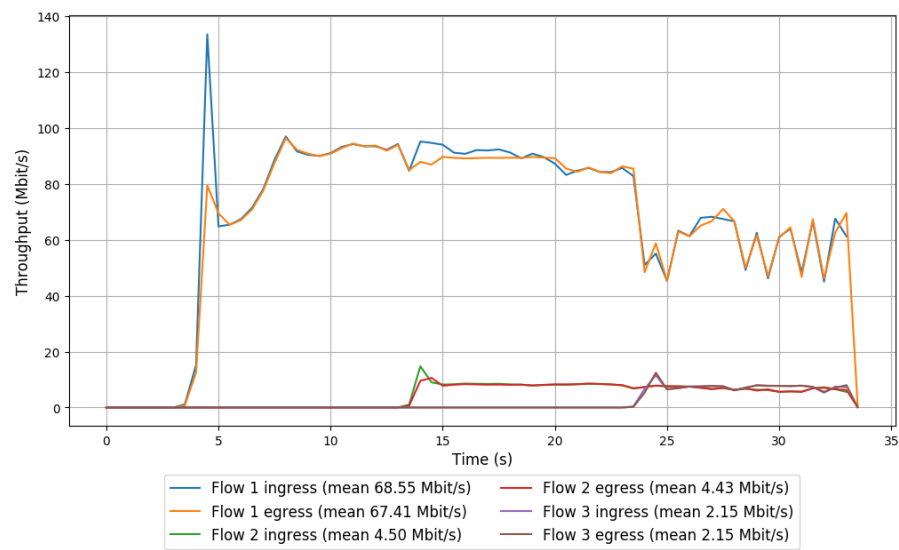
Run 10: Report of PCC — Data Link

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

Start at: Sat, 01 Jul 2017 09:24:59 +0000
End at: Sat, 01 Jul 2017 09:25:29 +0000
Local clock offset: -0.398 ms
Remote clock offset: -10.903 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:52:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 39.27 Mbit/s
95th percentile per-packet one-way delay: 74.569 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 70.377 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 14.04 Mbit/s
95th percentile per-packet one-way delay: 77.631 ms
Loss rate: 0.54%
-- Flow 3:
Average throughput: 13.98 Mbit/s
95th percentile per-packet one-way delay: 73.721 ms
Loss rate: 0.54%
```
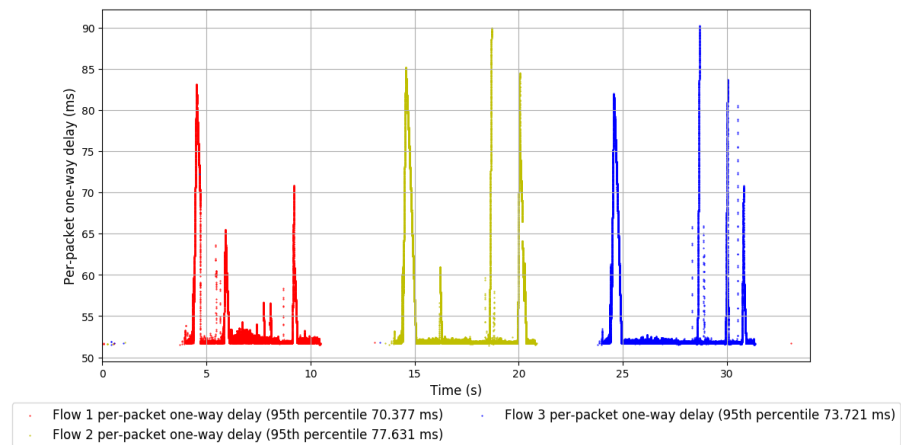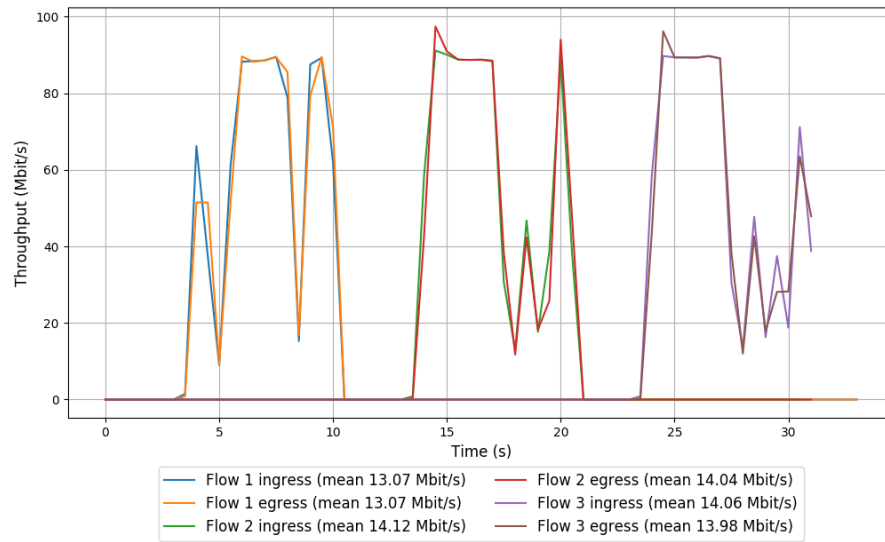
Run 1: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 13.07 Mbit/s)
Flow 1 egress (mean 13.07 Mbit/s)
Flow 2 ingress (mean 14.12 Mbit/s)
Flow 2 egress (mean 14.04 Mbit/s)
Flow 3 ingress (mean 14.06 Mbit/s)
Flow 3 egress (mean 13.98 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 70.377 ms)
Flow 2 per-packet one-way delay (95th percentile 77.631 ms)
Flow 3 per-packet one-way delay (95th percentile 73.721 ms)

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

Start at: Sat, 01 Jul 2017 09:45:27 +0000
End at: Sat, 01 Jul 2017 09:45:57 +0000
Local clock offset: -0.289 ms
Remote clock offset: -11.962 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:52:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.74 Mbit/s
95th percentile per-packet one-way delay: 64.766 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 14.65 Mbit/s
95th percentile per-packet one-way delay: 51.246 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.52 Mbit/s
95th percentile per-packet one-way delay: 75.943 ms
Loss rate: 0.48%
-- Flow 3:
Average throughput: 14.40 Mbit/s
95th percentile per-packet one-way delay: 50.777 ms
Loss rate: 0.00%
```
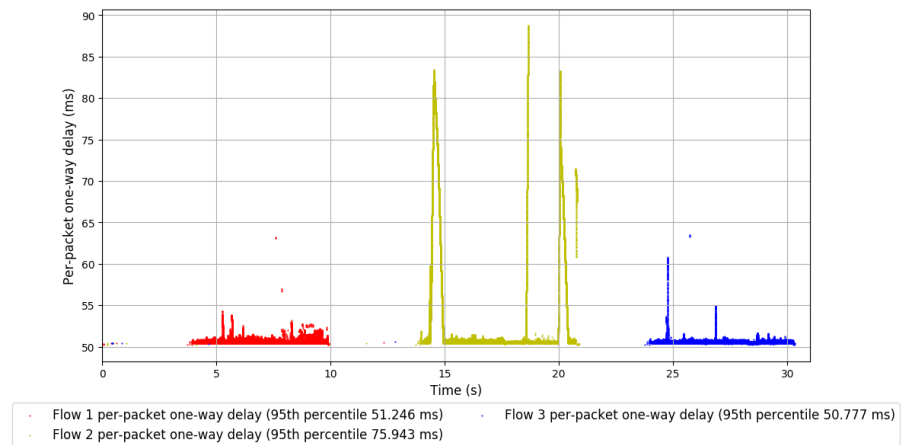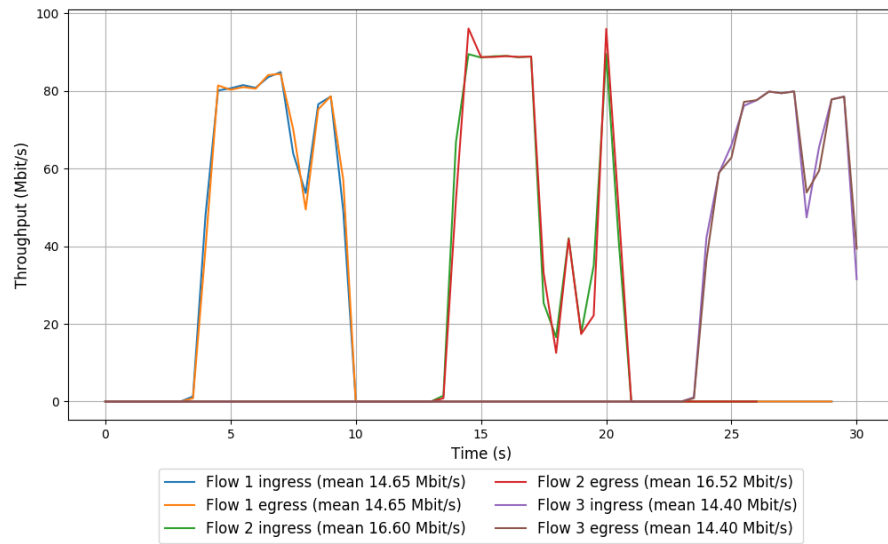
Run 2: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 14.65 Mbit/s)
Flow 1 egress (mean 14.65 Mbit/s)
Flow 2 ingress (mean 16.60 Mbit/s)
Flow 2 egress (mean 16.52 Mbit/s)
Flow 3 ingress (mean 14.40 Mbit/s)
Flow 3 egress (mean 14.40 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 51.246 ms)
Flow 2 per-packet one-way delay (95th percentile 75.943 ms)
Flow 3 per-packet one-way delay (95th percentile 50.777 ms)

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

Start at: Sat, 01 Jul 2017 10:05:52 +0000
End at: Sat, 01 Jul 2017 10:06:22 +0000
Local clock offset: -0.195 ms
Remote clock offset: -7.838 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:52:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.43 Mbit/s
95th percentile per-packet one-way delay: 69.951 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 15.47 Mbit/s
95th percentile per-packet one-way delay: 74.016 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 50.155 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 14.00 Mbit/s
95th percentile per-packet one-way delay: 72.836 ms
Loss rate: 0.55%
```
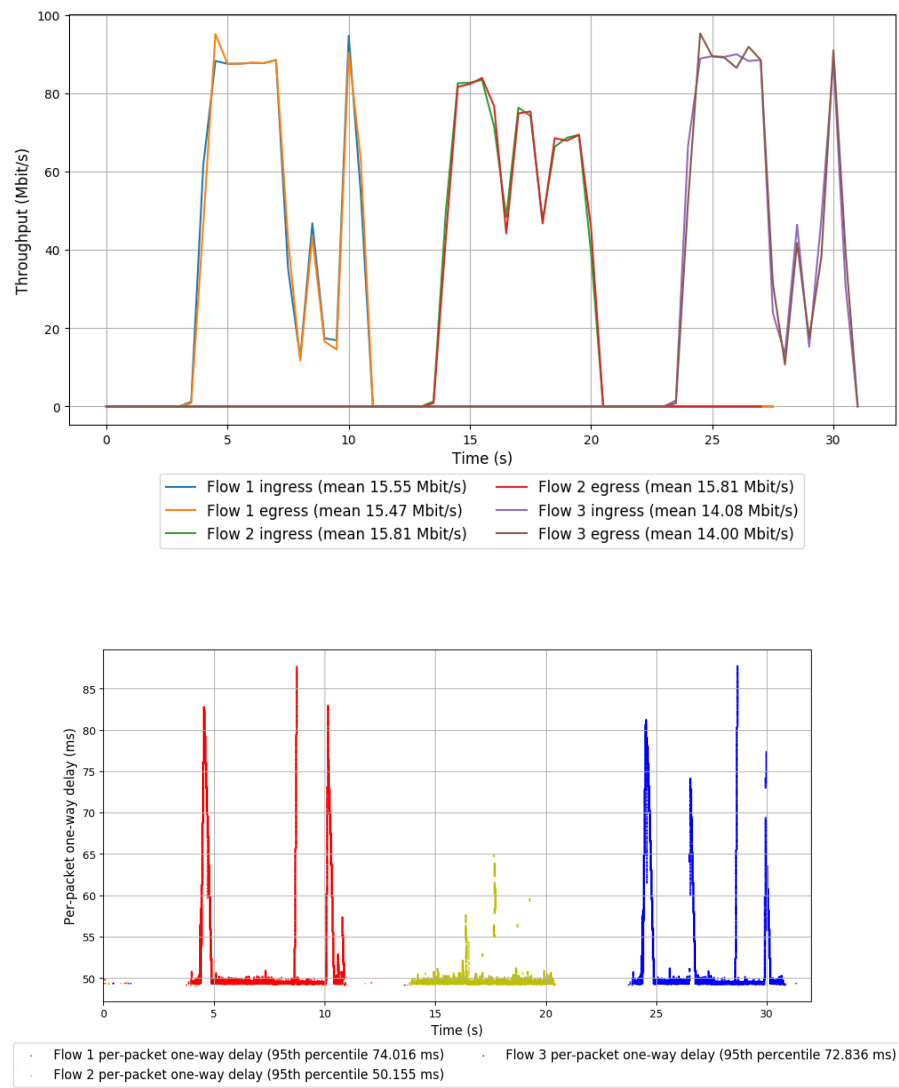
Run 3: Report of QUIC Cubic (toy) — Data Link

- Flow 1 ingress (mean 15.55 Mbit/s)
- Flow 1 egress (mean 15.47 Mbit/s)
- Flow 2 ingress (mean 15.81 Mbit/s)
- Flow 2 egress (mean 15.81 Mbit/s)
- Flow 3 ingress (mean 14.08 Mbit/s)
- Flow 3 egress (mean 14.00 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 74.016 ms)
- Flow 2 per-packet one-way delay (95th percentile 50.155 ms)
- Flow 3 per-packet one-way delay (95th percentile 72.836 ms)

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

Start at: Sat, 01 Jul 2017 10:26:22 +0000
End at: Sat, 01 Jul 2017 10:26:52 +0000
Local clock offset: -0.042 ms
Remote clock offset: -7.392 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:52:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 71.774 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: 73.401 ms
Loss rate: 1.30%
-- Flow 2:
Average throughput: 15.08 Mbit/s
95th percentile per-packet one-way delay: 50.466 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.18 Mbit/s
95th percentile per-packet one-way delay: 75.478 ms
Loss rate: 0.61%
```
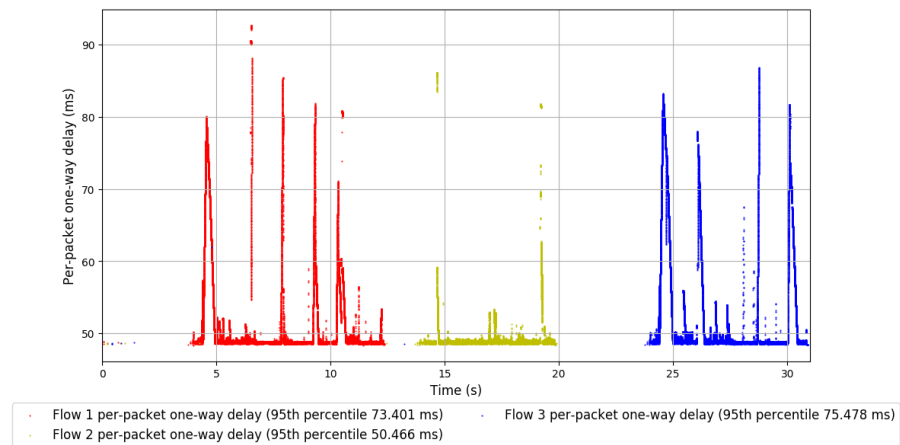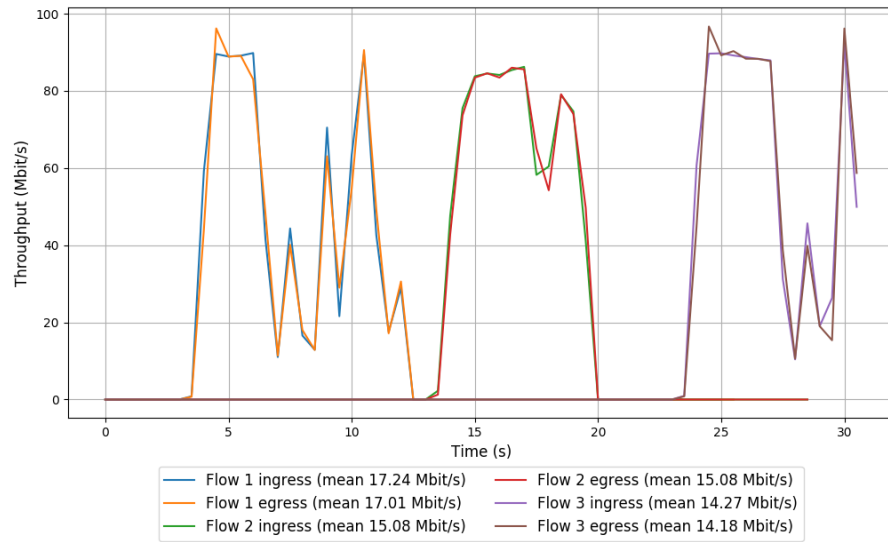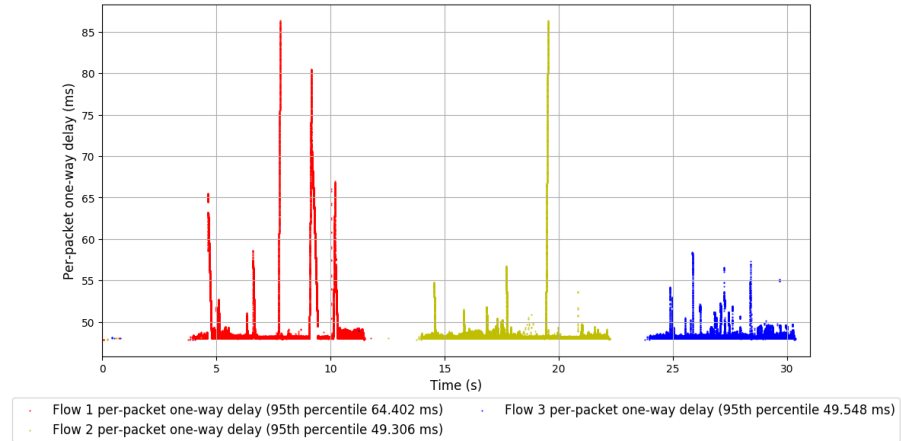
Run 4: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 17.24 Mbit/s)   Flow 2 egress (mean 15.08 Mbit/s)
Flow 1 egress (mean 17.01 Mbit/s)   Flow 3 ingress (mean 14.27 Mbit/s)
Flow 2 ingress (mean 15.08 Mbit/s)   Flow 3 egress (mean 14.18 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 73.401 ms)   Flow 3 per-packet one-way delay (95th percentile 75.478 ms)
Flow 2 per-packet one-way delay (95th percentile 50.466 ms)

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

Start at: Sat, 01 Jul 2017 10:46:53 +0000
End at: Sat, 01 Jul 2017 10:47:23 +0000
Local clock offset: 0.049 ms
Remote clock offset: -6.293 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:52:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.66 Mbit/s
95th percentile per-packet one-way delay: 54.869 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 64.402 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 49.306 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 49.548 ms
Loss rate: 0.00%
```
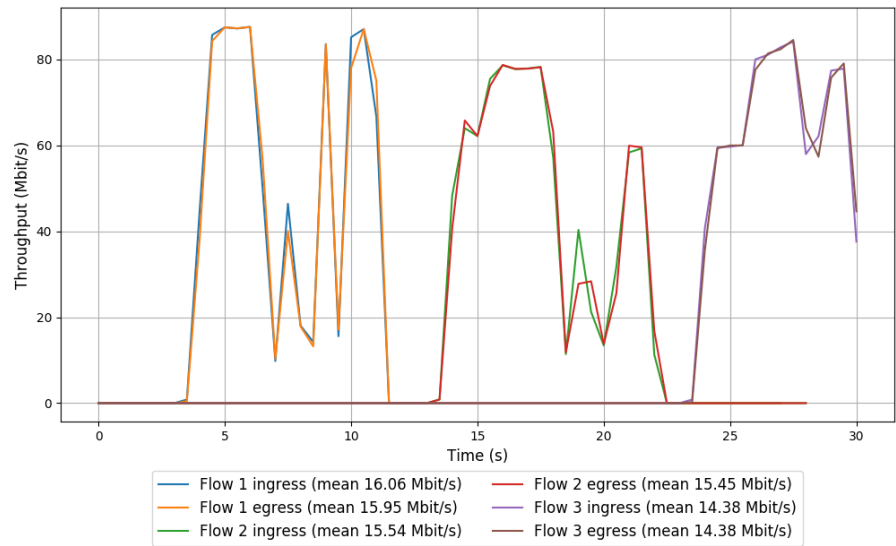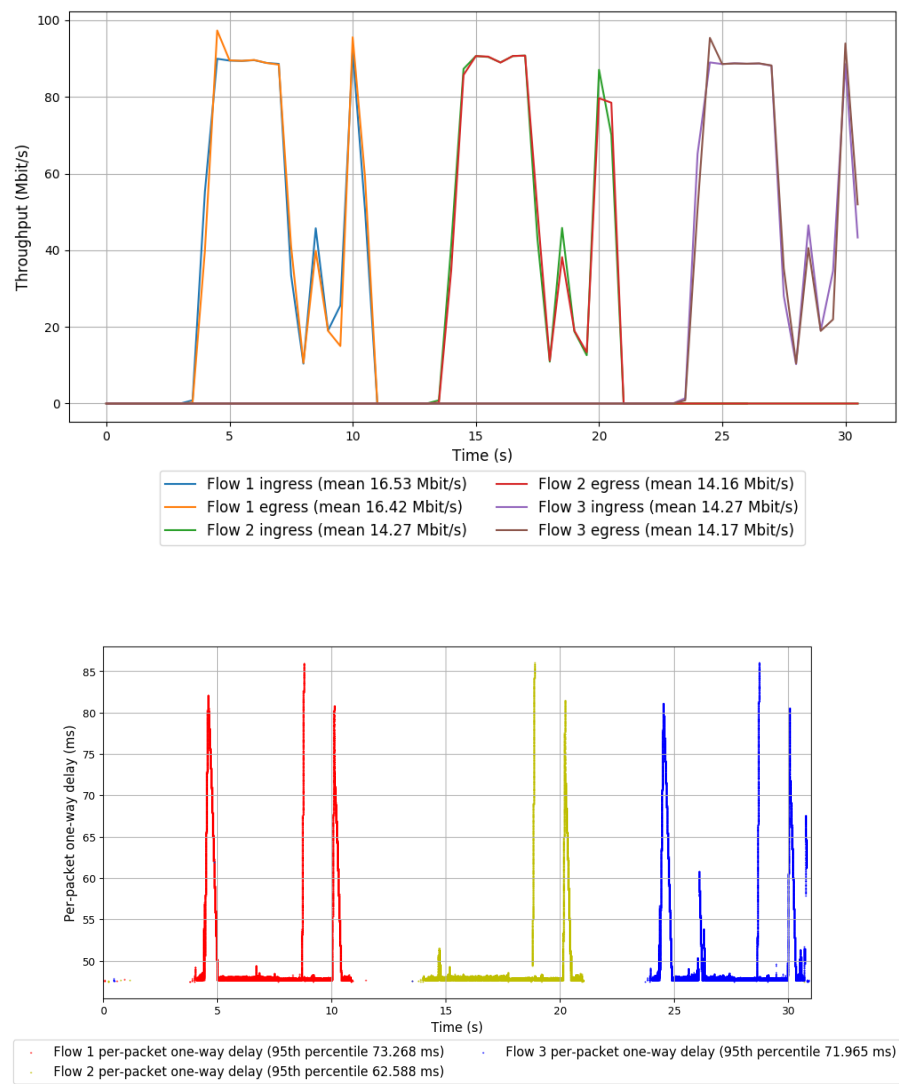
Run 5: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 16.06 Mbit/s)
Flow 1 egress (mean 15.95 Mbit/s)
Flow 2 ingress (mean 15.54 Mbit/s)
Flow 2 egress (mean 15.45 Mbit/s)
Flow 3 ingress (mean 14.38 Mbit/s)
Flow 3 egress (mean 14.38 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 64.402 ms)
Flow 2 per-packet one-way delay (95th percentile 49.306 ms)
Flow 3 per-packet one-way delay (95th percentile 49.548 ms)

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

Start at: Sat, 01 Jul 2017 11:07:32 +0000
End at: Sat, 01 Jul 2017 11:08:02 +0000
Local clock offset: 0.14 ms
Remote clock offset: -8.341 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:02 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.98 Mbit/s
95th percentile per-packet one-way delay: 70.688 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 16.42 Mbit/s
95th percentile per-packet one-way delay: 73.268 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 14.16 Mbit/s
95th percentile per-packet one-way delay: 62.588 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 14.17 Mbit/s
95th percentile per-packet one-way delay: 71.965 ms
Loss rate: 0.65%
```
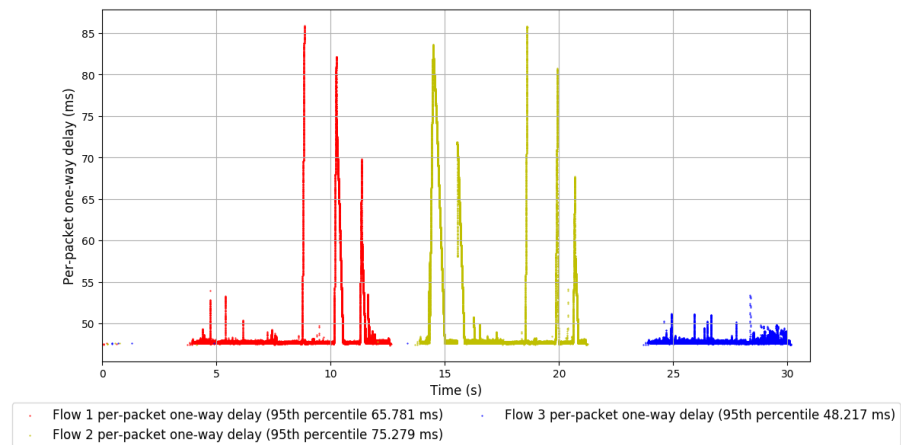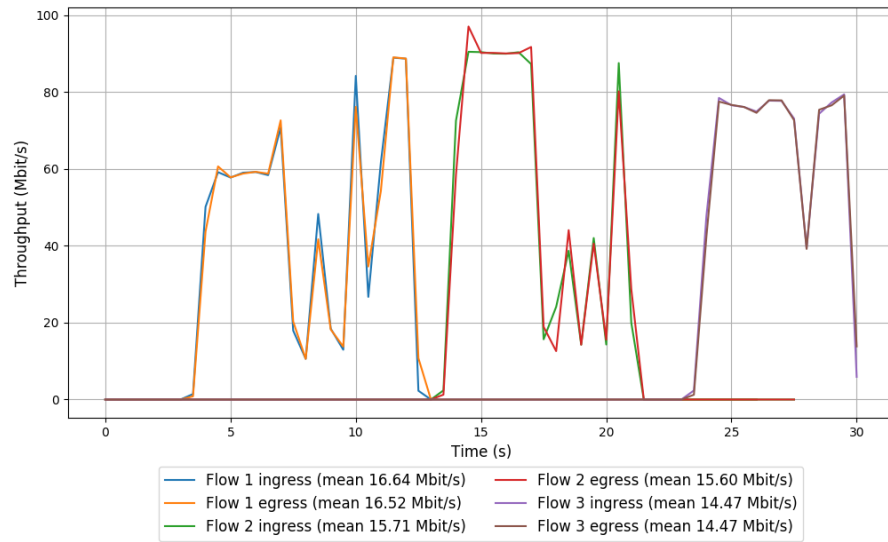
Run 6: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 16.53 Mbit/s)
Flow 1 egress (mean 16.42 Mbit/s)
Flow 2 ingress (mean 14.27 Mbit/s)
Flow 2 egress (mean 14.16 Mbit/s)
Flow 3 ingress (mean 14.27 Mbit/s)
Flow 3 egress (mean 14.17 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 73.268 ms)
Flow 2 per-packet one-way delay (95th percentile 62.588 ms)
Flow 3 per-packet one-way delay (95th percentile 71.965 ms)

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

Start at: Sat, 01 Jul 2017 11:28:08 +0000
End at: Sat, 01 Jul 2017 11:28:38 +0000
Local clock offset: 0.242 ms
Remote clock offset: -8.137 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:04 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.10 Mbit/s
95th percentile per-packet one-way delay: 67.123 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 16.52 Mbit/s
95th percentile per-packet one-way delay: 65.781 ms
Loss rate: 0.68%
-- Flow 2:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 75.279 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 14.47 Mbit/s
95th percentile per-packet one-way delay: 48.217 ms
Loss rate: 0.00%
```
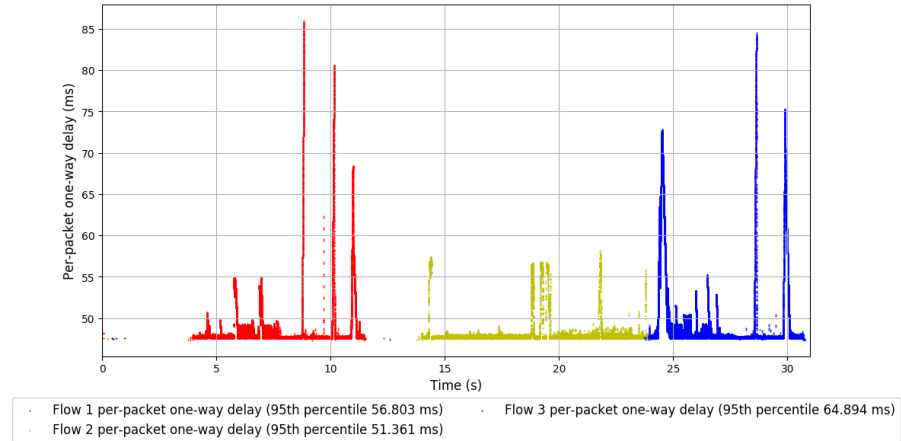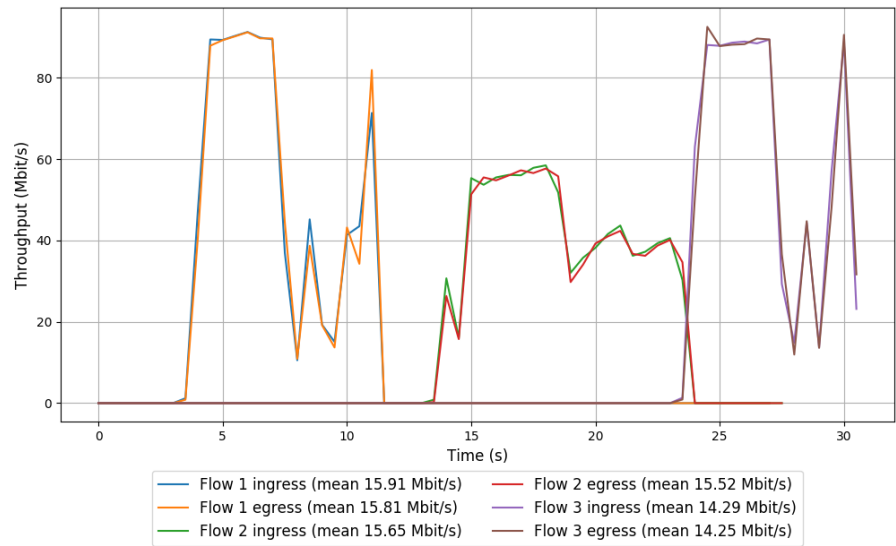
Run 7: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 16.64 Mbit/s)
Flow 1 egress (mean 16.52 Mbit/s)
Flow 2 ingress (mean 15.71 Mbit/s)
Flow 2 egress (mean 15.60 Mbit/s)
Flow 3 ingress (mean 14.47 Mbit/s)
Flow 3 egress (mean 14.47 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 65.781 ms)
Flow 2 per-packet one-way delay (95th percentile 75.279 ms)
Flow 3 per-packet one-way delay (95th percentile 48.217 ms)

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

Start at: Sat, 01 Jul 2017 11:48:44 +0000
End at: Sat, 01 Jul 2017 11:49:14 +0000
Local clock offset: 0.351 ms
Remote clock offset: -6.087 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:10 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.16 Mbit/s
95th percentile per-packet one-way delay: 58.059 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 56.803 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 15.52 Mbit/s
95th percentile per-packet one-way delay: 51.361 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 64.894 ms
Loss rate: 0.28%
```
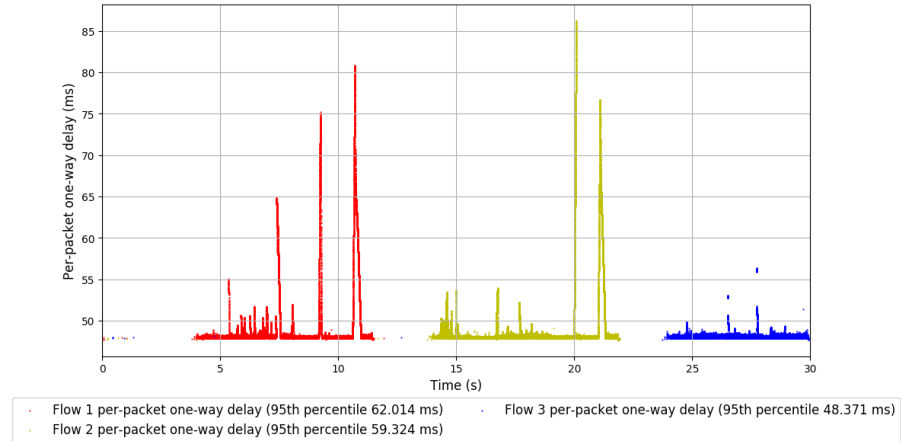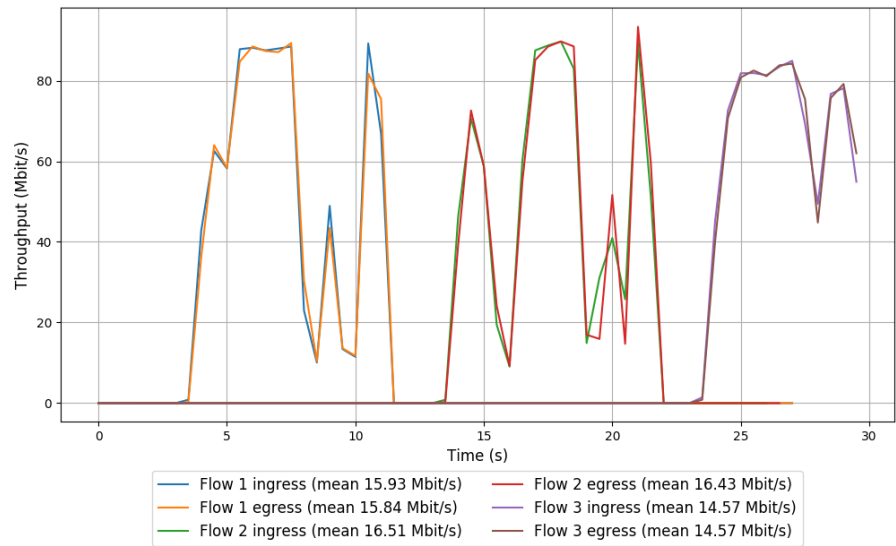
Run 8: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 15.91 Mbit/s)
Flow 1 egress (mean 15.81 Mbit/s)
Flow 2 ingress (mean 15.65 Mbit/s)
Flow 2 egress (mean 15.52 Mbit/s)
Flow 3 ingress (mean 14.29 Mbit/s)
Flow 3 egress (mean 14.25 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 56.803 ms)
Flow 2 per-packet one-way delay (95th percentile 51.361 ms)
Flow 3 per-packet one-way delay (95th percentile 64.894 ms)

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

Start at: Sat, 01 Jul 2017 12:09:16 +0000
End at: Sat, 01 Jul 2017 12:09:46 +0000
Local clock offset: 0.499 ms
Remote clock offset: -1.218 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:10 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 56.161 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 62.014 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 59.324 ms
Loss rate: 0.49%
-- Flow 3:
Average throughput: 14.57 Mbit/s
95th percentile per-packet one-way delay: 48.371 ms
Loss rate: 0.00%
```
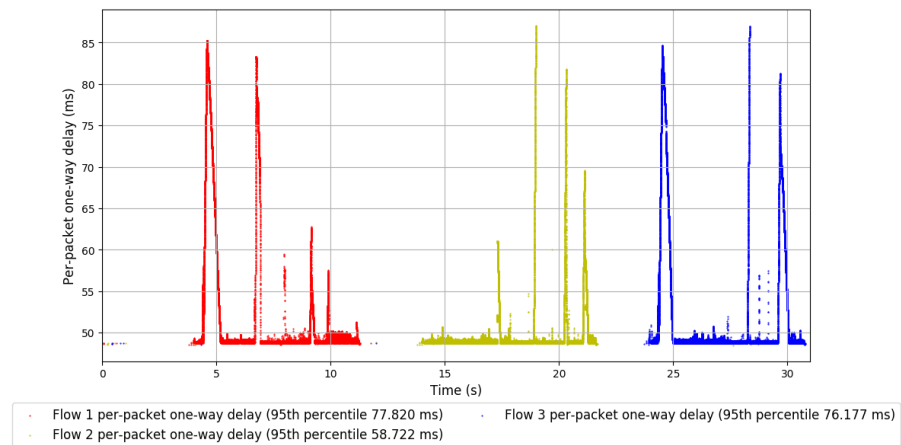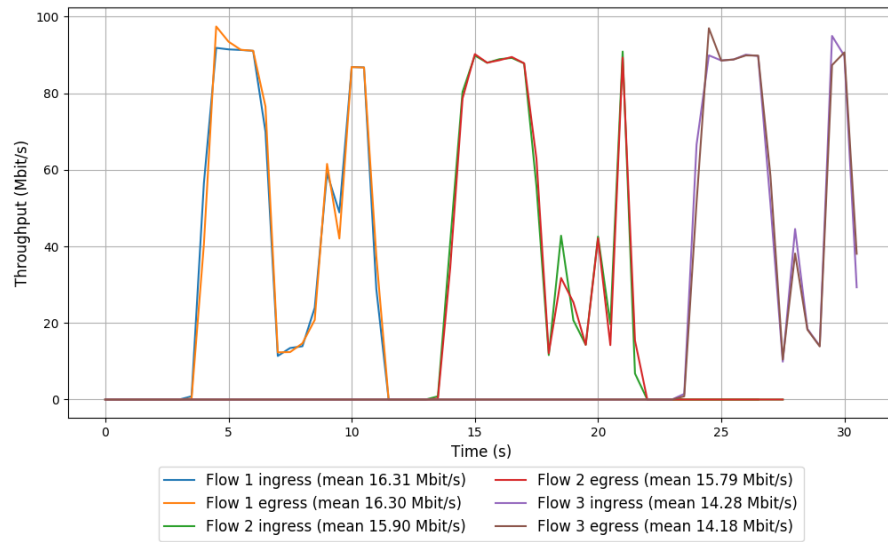
Run 9: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 15.93 Mbit/s)
Flow 1 egress (mean 15.84 Mbit/s)
Flow 2 ingress (mean 16.51 Mbit/s)
Flow 2 egress (mean 16.43 Mbit/s)
Flow 3 ingress (mean 14.57 Mbit/s)
Flow 3 egress (mean 14.57 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 62.014 ms)
Flow 2 per-packet one-way delay (95th percentile 59.324 ms)
Flow 3 per-packet one-way delay (95th percentile 48.371 ms)

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

Start at: Sat, 01 Jul 2017 12:29:56 +0000
End at: Sat, 01 Jul 2017 12:30:26 +0000
Local clock offset: 0.562 ms
Remote clock offset: 0.606 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 42.15 Mbit/s
95th percentile per-packet one-way delay: 74.346 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 77.820 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 15.79 Mbit/s
95th percentile per-packet one-way delay: 58.722 ms
Loss rate: 0.71%
-- Flow 3:
Average throughput: 14.18 Mbit/s
95th percentile per-packet one-way delay: 76.177 ms
Loss rate: 0.64%
```
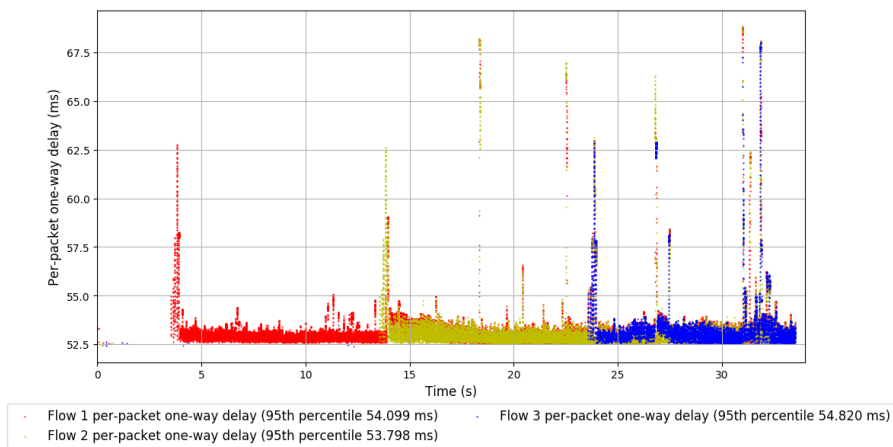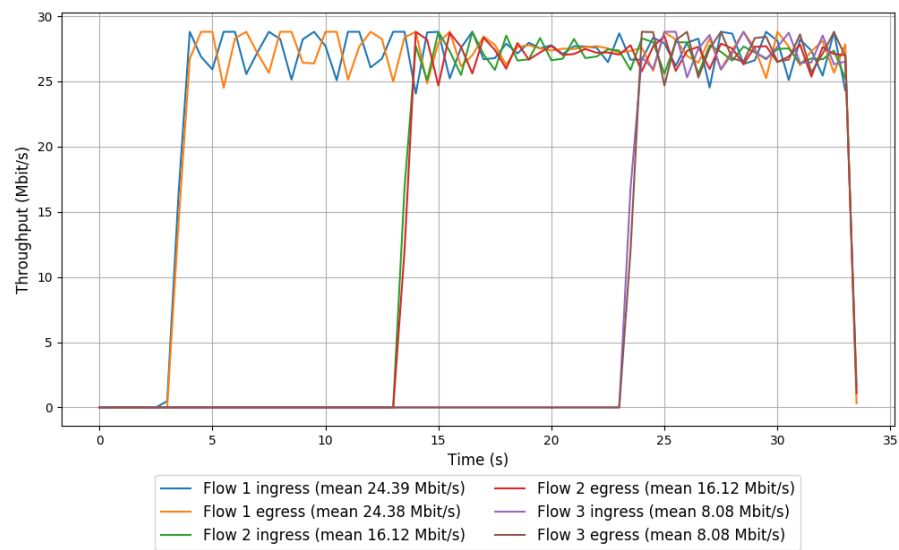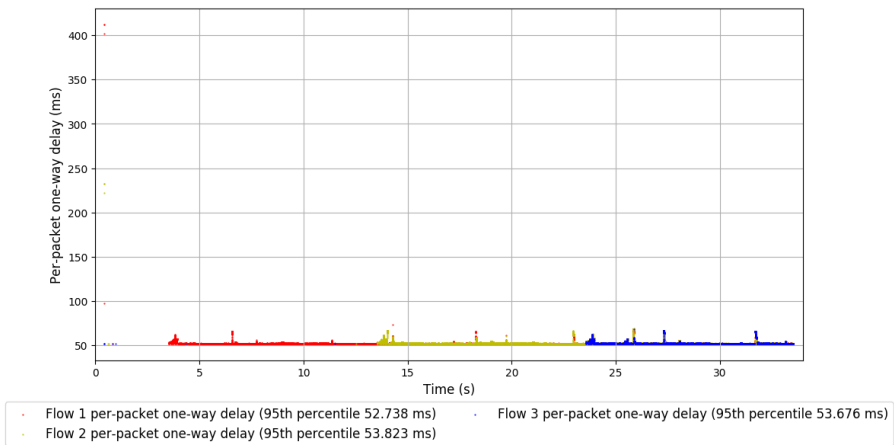
Run 10: Report of QUIC Cubic (toy) — Data Link

Flow 1 ingress (mean 16.31 Mbit/s)
Flow 2 egress (mean 15.79 Mbit/s)
Flow 1 egress (mean 16.30 Mbit/s)
Flow 3 ingress (mean 14.28 Mbit/s)
Flow 2 ingress (mean 15.90 Mbit/s)
Flow 3 egress (mean 14.18 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 77.820 ms)
Flow 2 per-packet one-way delay (95th percentile 58.722 ms)
Flow 3 per-packet one-way delay (95th percentile 76.177 ms)

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```
Run 1: Statistics of Saturator

Start at: Sat, 01 Jul 2017 09:08:22 +0000
End at: Sat, 01 Jul 2017 09:08:52 +0000
Local clock offset: -0.403 ms
Remote clock offset: -11.712 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:18 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.40 Mbit/s
95th percentile per-packet one-way delay: 54.077 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 54.099 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 53.798 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 8.08 Mbit/s
95th percentile per-packet one-way delay: 54.820 ms
Loss rate: 0.04%
```
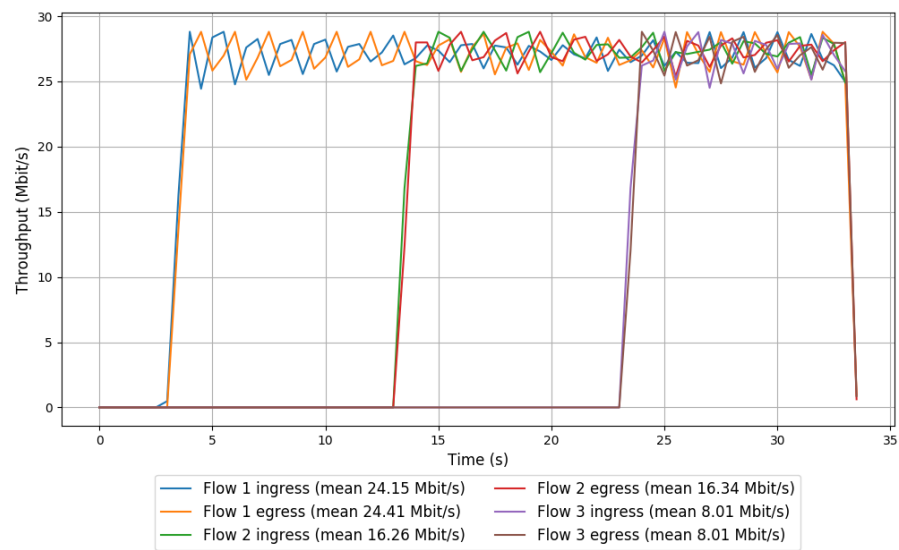
Run 1: Report of Saturator — Data Link

```
Run 2: Statistics of Saturator

Start at: Sat, 01 Jul 2017 09:28:55 +0000
End at: Sat, 01 Jul 2017 09:29:25 +0000
Local clock offset: -0.31 ms
Remote clock offset: -12.743 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 53.183 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.41 Mbit/s
95th percentile per-packet one-way delay: 52.738 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 16.34 Mbit/s
95th percentile per-packet one-way delay: 53.823 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 53.676 ms
Loss rate: 0.05%
```
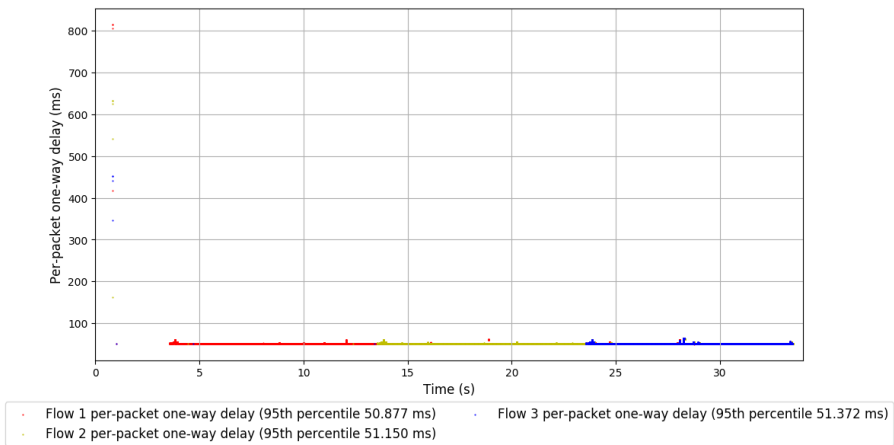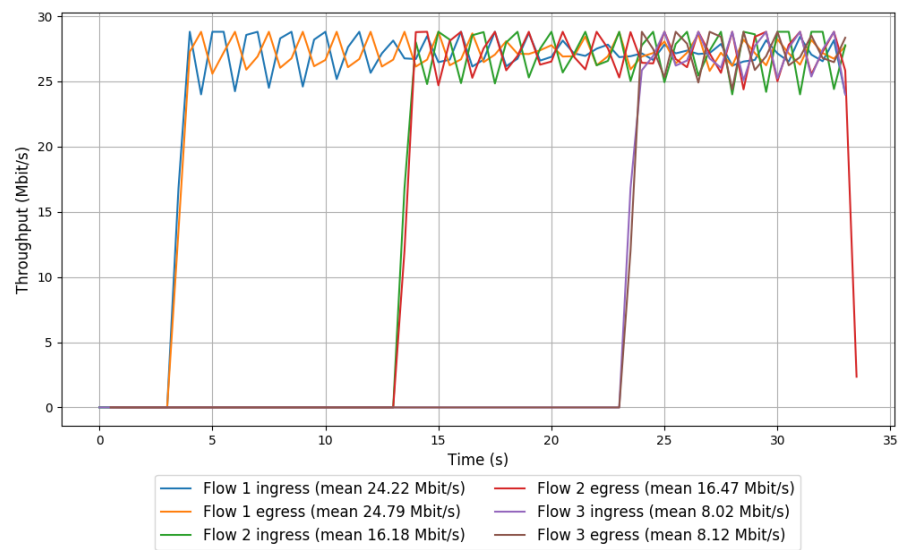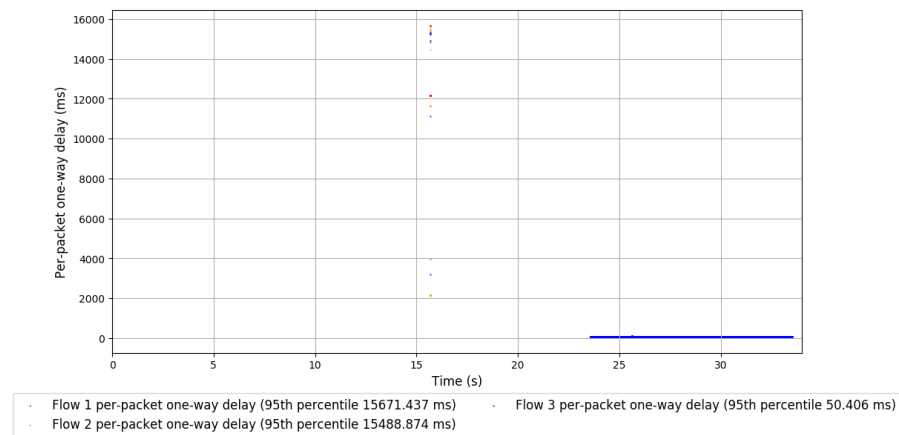
Run 2: Report of Saturator — Data Link

Flow 1 ingress (mean 24.15 Mbit/s)
Flow 1 egress (mean 24.41 Mbit/s)
Flow 2 ingress (mean 16.26 Mbit/s)
Flow 2 egress (mean 16.34 Mbit/s)
Flow 3 ingress (mean 8.01 Mbit/s)
Flow 3 egress (mean 8.01 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 52.738 ms)
Flow 2 per-packet one-way delay (95th percentile 53.823 ms)
Flow 3 per-packet one-way delay (95th percentile 53.676 ms)

```
Run 3: Statistics of Saturator

Start at: Sat, 01 Jul 2017 09:49:24 +0000
End at: Sat, 01 Jul 2017 09:49:54 +0000
Local clock offset: -0.184 ms
Remote clock offset: -11.312 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 50.997 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.79 Mbit/s
95th percentile per-packet one-way delay: 50.877 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 51.150 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.12 Mbit/s
95th percentile per-packet one-way delay: 51.372 ms
Loss rate: 0.00%
```
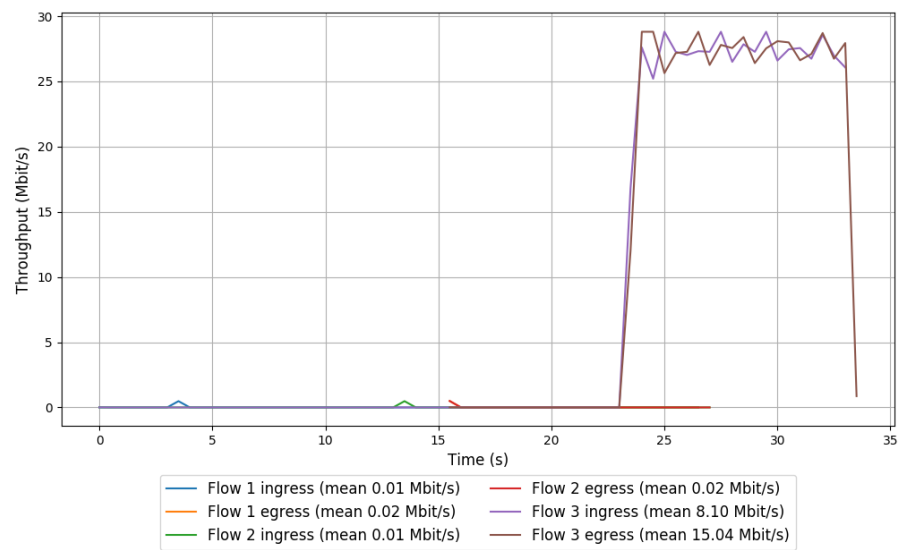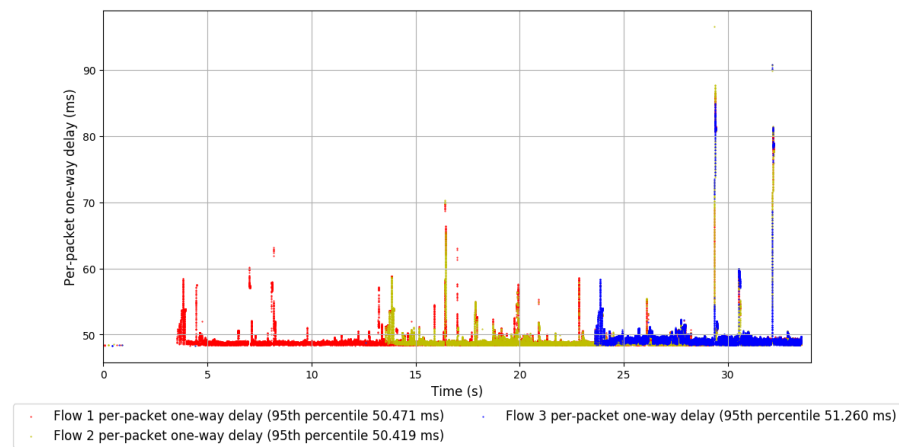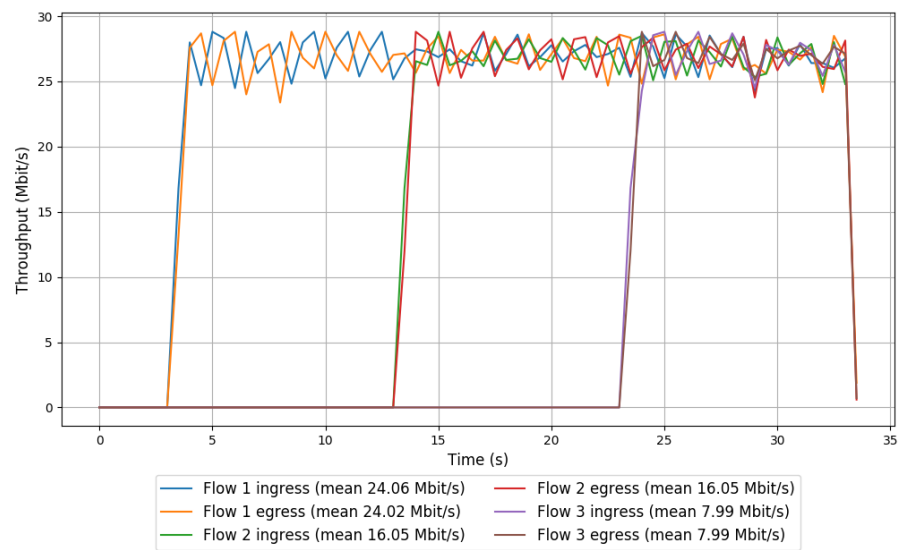
Run 3: Report of Saturator — Data Link

Flow 1 ingress (mean 24.22 Mbit/s)   Flow 2 egress (mean 16.47 Mbit/s)
Flow 1 egress (mean 24.79 Mbit/s)   Flow 3 ingress (mean 8.02 Mbit/s)
Flow 2 ingress (mean 16.18 Mbit/s)   Flow 3 egress (mean 8.12 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 50.877 ms)   Flow 3 per-packet one-way delay (95th percentile 51.372 ms)
Flow 2 per-packet one-way delay (95th percentile 51.150 ms)

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Run 4: Statistics of Saturator

Start at: Sat, 01 Jul 2017 10:09:49 +0000
End at: Sat, 01 Jul 2017 10:10:19 +0000
Local clock offset: -0.149 ms
Remote clock offset: -10.256 ms

Run 4: Report of Saturator — Data Link

```
Run 5: Statistics of Saturator

Start at: Sat, 01 Jul 2017 10:30:19 +0000
End at: Sat, 01 Jul 2017 10:30:49 +0000
Local clock offset: -0.052 ms
Remote clock offset: -9.374 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:32 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.88 Mbit/s
95th percentile per-packet one-way delay: 50.678 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 50.471 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 16.05 Mbit/s
95th percentile per-packet one-way delay: 50.419 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 51.260 ms
Loss rate: 0.00%
```
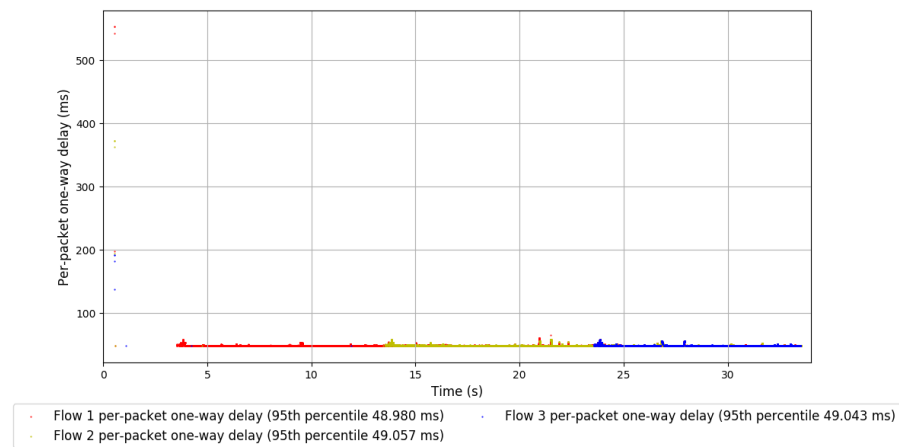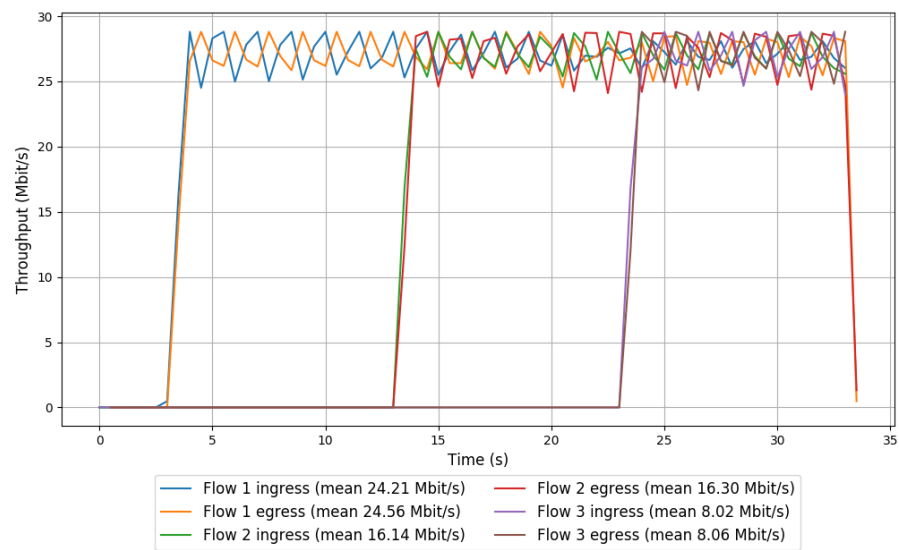
Run 5: Report of Saturator — Data Link

```
Run 6: Statistics of Saturator

Start at: Sat, 01 Jul 2017 10:50:50 +0000
End at: Sat, 01 Jul 2017 10:51:20 +0000
Local clock offset: 0.09 ms
Remote clock offset: -9.043 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:35 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.91 Mbit/s
95th percentile per-packet one-way delay: 49.023 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.56 Mbit/s
95th percentile per-packet one-way delay: 48.980 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 49.057 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 49.043 ms
Loss rate: 0.00%
```
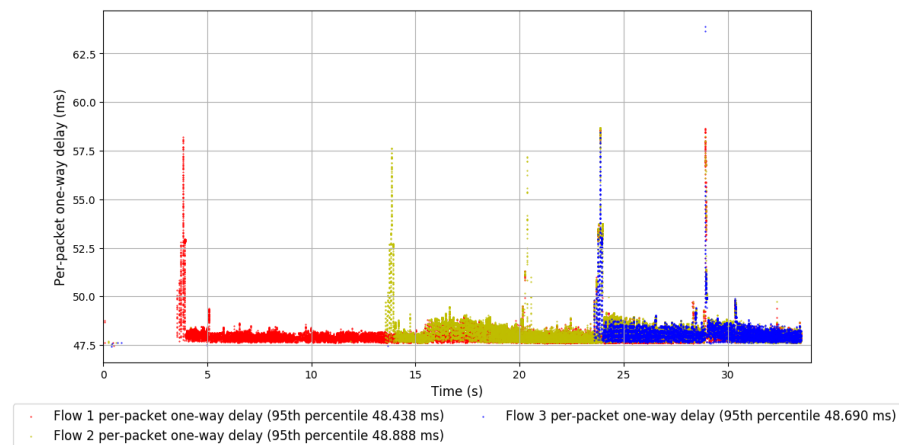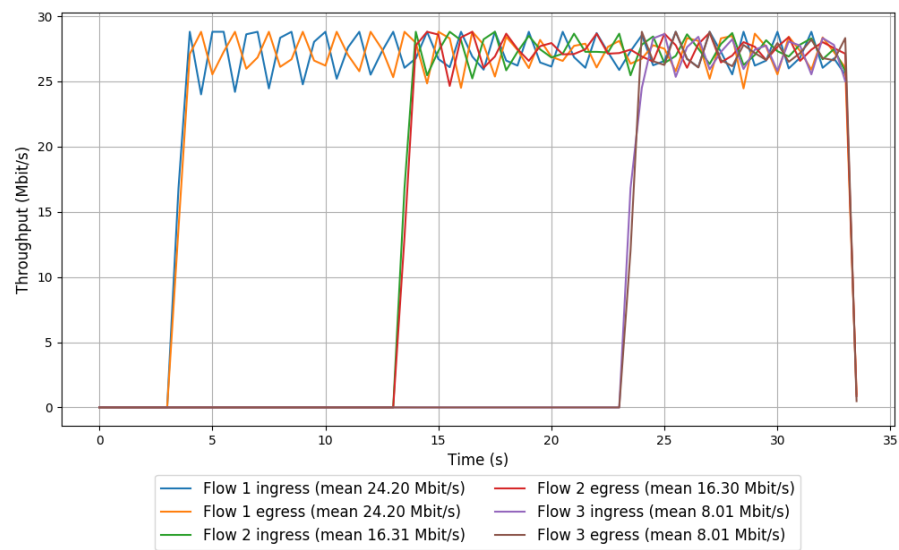
Run 6: Report of Saturator — Data Link

```
Run 7: Statistics of Saturator

Start at: Sat, 01 Jul 2017 11:11:29 +0000
End at: Sat, 01 Jul 2017 11:11:59 +0000
Local clock offset: 0.171 ms
Remote clock offset: -6.653 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.34 Mbit/s
95th percentile per-packet one-way delay: 48.677 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 48.438 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 48.888 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 48.690 ms
Loss rate: 0.00%
```
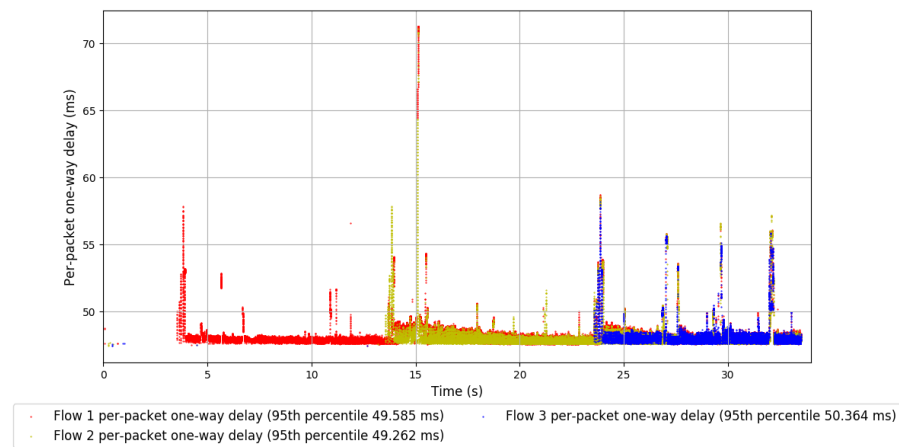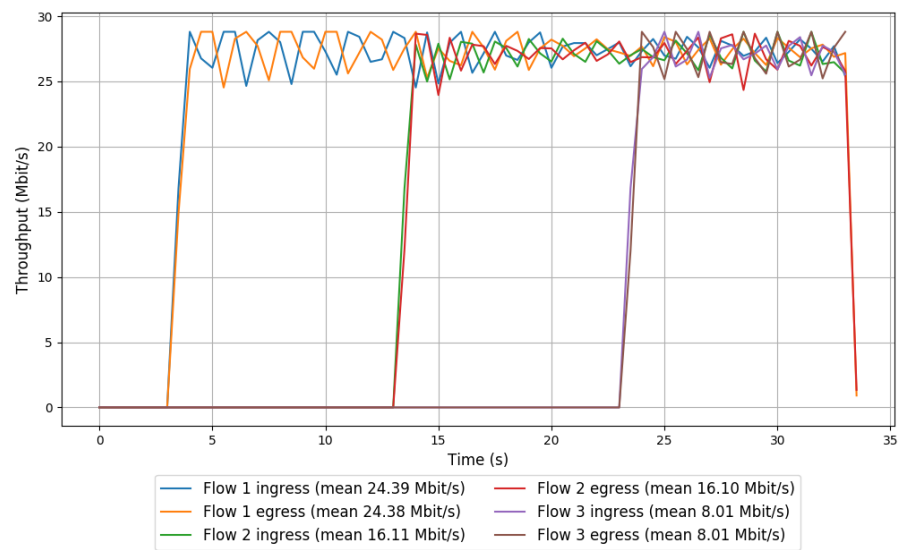
Run 7: Report of Saturator — Data Link

Flow 1 ingress (mean 24.20 Mbit/s)
Flow 1 egress (mean 24.20 Mbit/s)
Flow 2 ingress (mean 16.31 Mbit/s)
Flow 2 egress (mean 16.30 Mbit/s)
Flow 3 ingress (mean 8.01 Mbit/s)
Flow 3 egress (mean 8.01 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 48.438 ms)
Flow 2 per-packet one-way delay (95th percentile 48.888 ms)
Flow 3 per-packet one-way delay (95th percentile 48.690 ms)

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```
Run 8: Statistics of Saturator

Start at: Sat, 01 Jul 2017 11:32:05 +0000
End at: Sat, 01 Jul 2017 11:32:35 +0000
Local clock offset: 0.359 ms
Remote clock offset: -8.146 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:43 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.31 Mbit/s
95th percentile per-packet one-way delay: 49.718 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.38 Mbit/s
95th percentile per-packet one-way delay: 49.585 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 49.262 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 50.364 ms
Loss rate: 0.04%
```
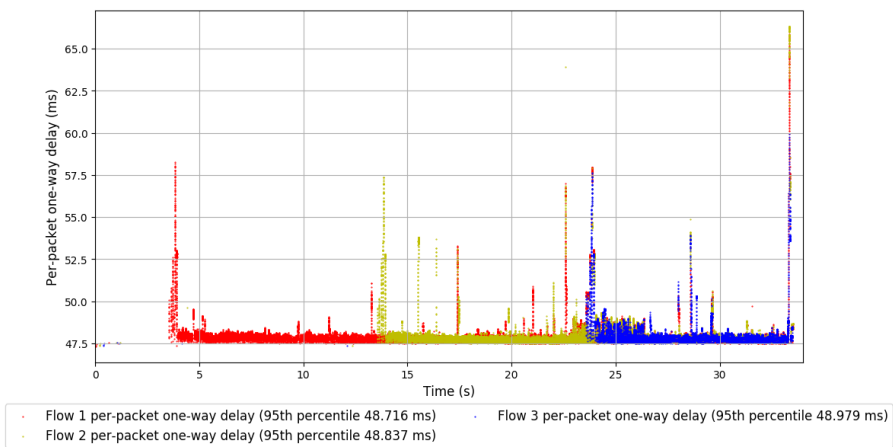
Run 8: Report of Saturator — Data Link

```
Run 9: Statistics of Saturator

Start at: Sat, 01 Jul 2017 11:52:41 +0000
End at: Sat, 01 Jul 2017 11:53:11 +0000
Local clock offset: 0.31 ms
Remote clock offset: 1.09 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:47 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.17 Mbit/s
95th percentile per-packet one-way delay: 48.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 48.716 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 48.837 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.01 Mbit/s
95th percentile per-packet one-way delay: 48.979 ms
Loss rate: 0.00%
```
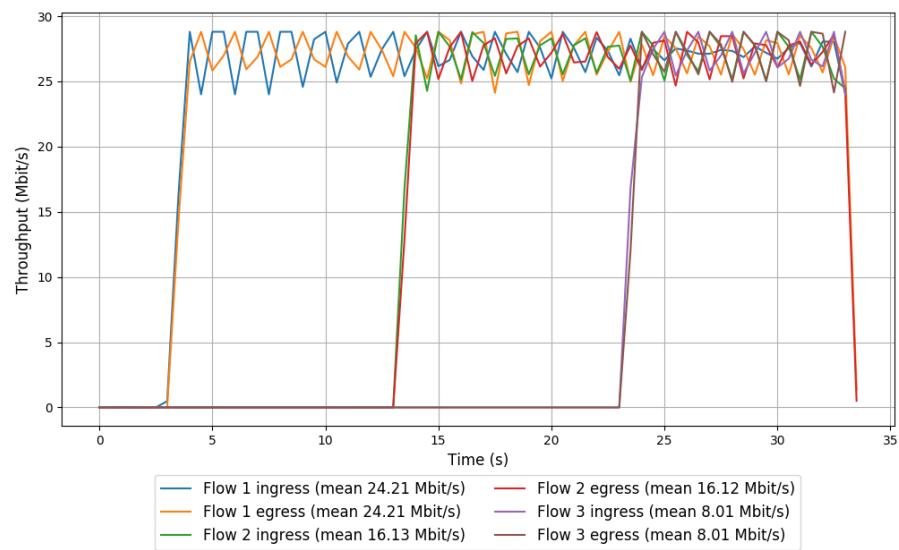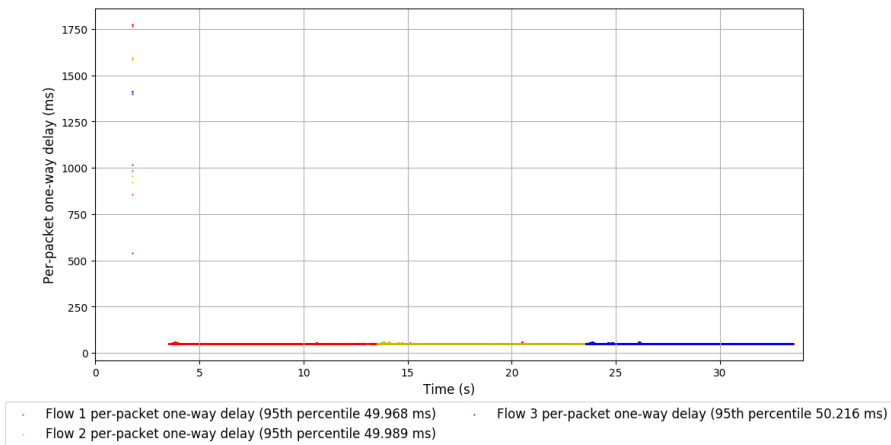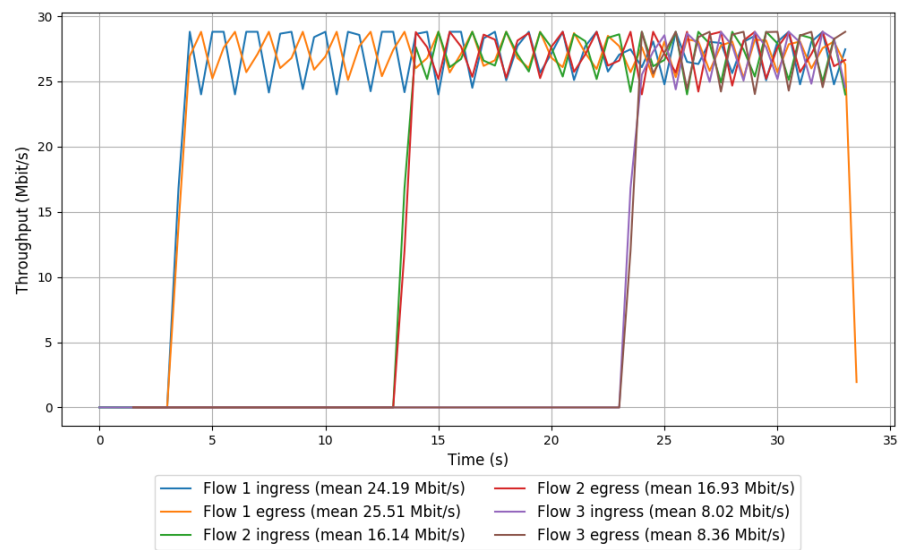
Run 9: Report of Saturator — Data Link

Flow 1 ingress (mean 24.21 Mbit/s)
Flow 1 egress (mean 24.21 Mbit/s)
Flow 2 ingress (mean 16.13 Mbit/s)
Flow 2 egress (mean 16.12 Mbit/s)
Flow 3 ingress (mean 8.01 Mbit/s)
Flow 3 egress (mean 8.01 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 48.716 ms)
Flow 2 per-packet one-way delay (95th percentile 48.837 ms)
Flow 3 per-packet one-way delay (95th percentile 48.979 ms)

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```
Run 10: Statistics of Saturator

Start at: Sat, 01 Jul 2017 12:13:14 +0000
End at: Sat, 01 Jul 2017 12:13:44 +0000
Local clock offset: 0.424 ms
Remote clock offset: -0.997 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.77 Mbit/s
95th percentile per-packet one-way delay: 50.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.51 Mbit/s
95th percentile per-packet one-way delay: 49.968 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 49.989 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 50.216 ms
Loss rate: 0.00%
```
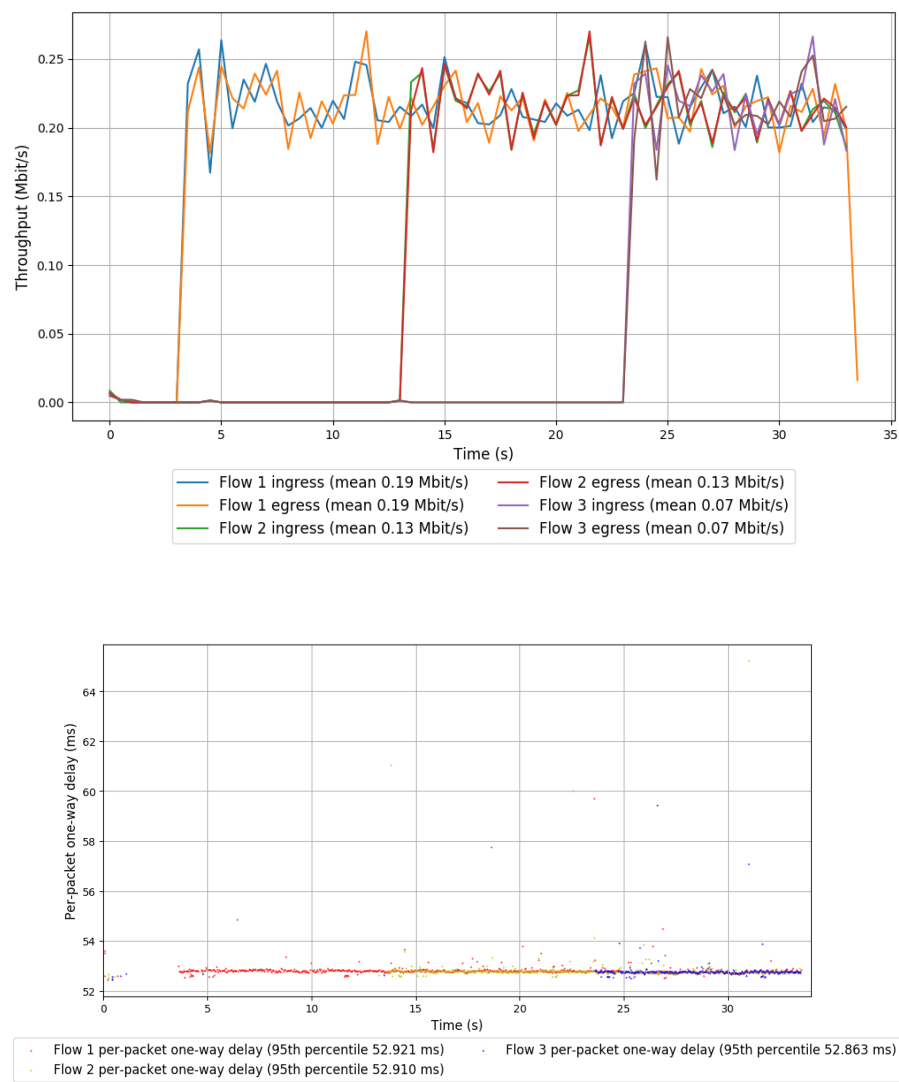
Run 10: Report of Saturator — Data Link

Flow 1 ingress (mean 24.19 Mbit/s)   Flow 2 egress (mean 16.93 Mbit/s)
Flow 1 egress (mean 25.51 Mbit/s)   Flow 3 ingress (mean 8.02 Mbit/s)
Flow 2 ingress (mean 16.14 Mbit/s)   Flow 3 egress (mean 8.36 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 49.968 ms)   Flow 3 per-packet one-way delay (95th percentile 50.216 ms)
Flow 2 per-packet one-way delay (95th percentile 49.989 ms)

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```
Run 1: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 09:07:04 +0000
End at: Sat, 01 Jul 2017 09:07:34 +0000
Local clock offset: -0.398 ms
Remote clock offset: -14.178 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 52.910 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 52.921 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 52.910 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 52.863 ms
Loss rate: 0.00%
```
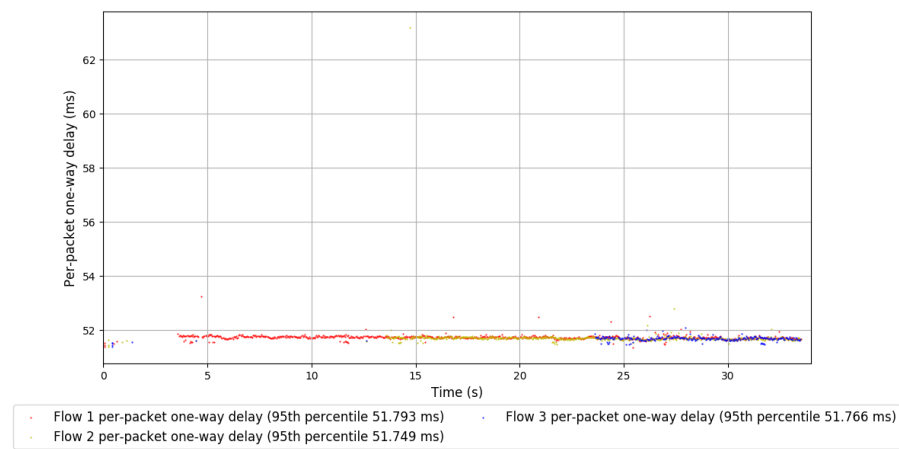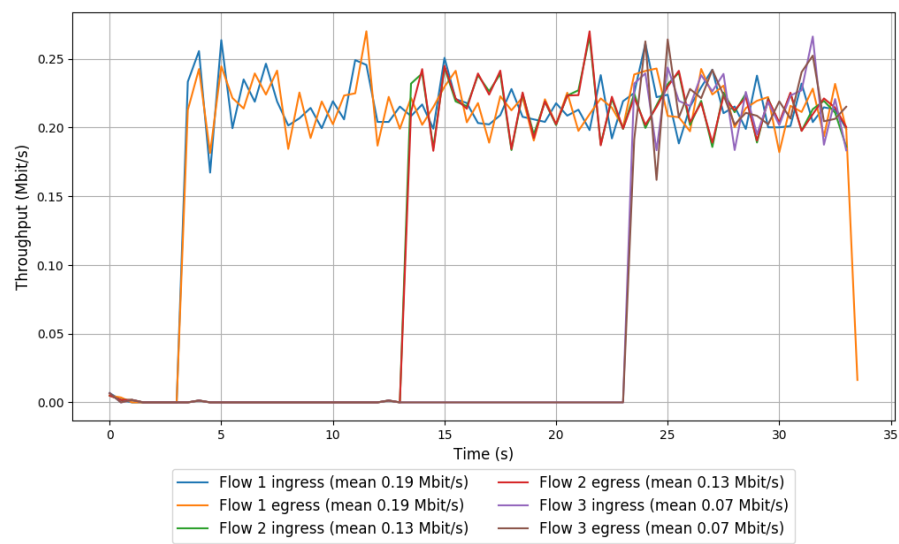
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 09:27:38 +0000
End at: Sat, 01 Jul 2017 09:28:08 +0000
Local clock offset: -0.414 ms
Remote clock offset: -10.774 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 51.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 51.793 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 51.749 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 51.766 ms
Loss rate: 0.00%
```
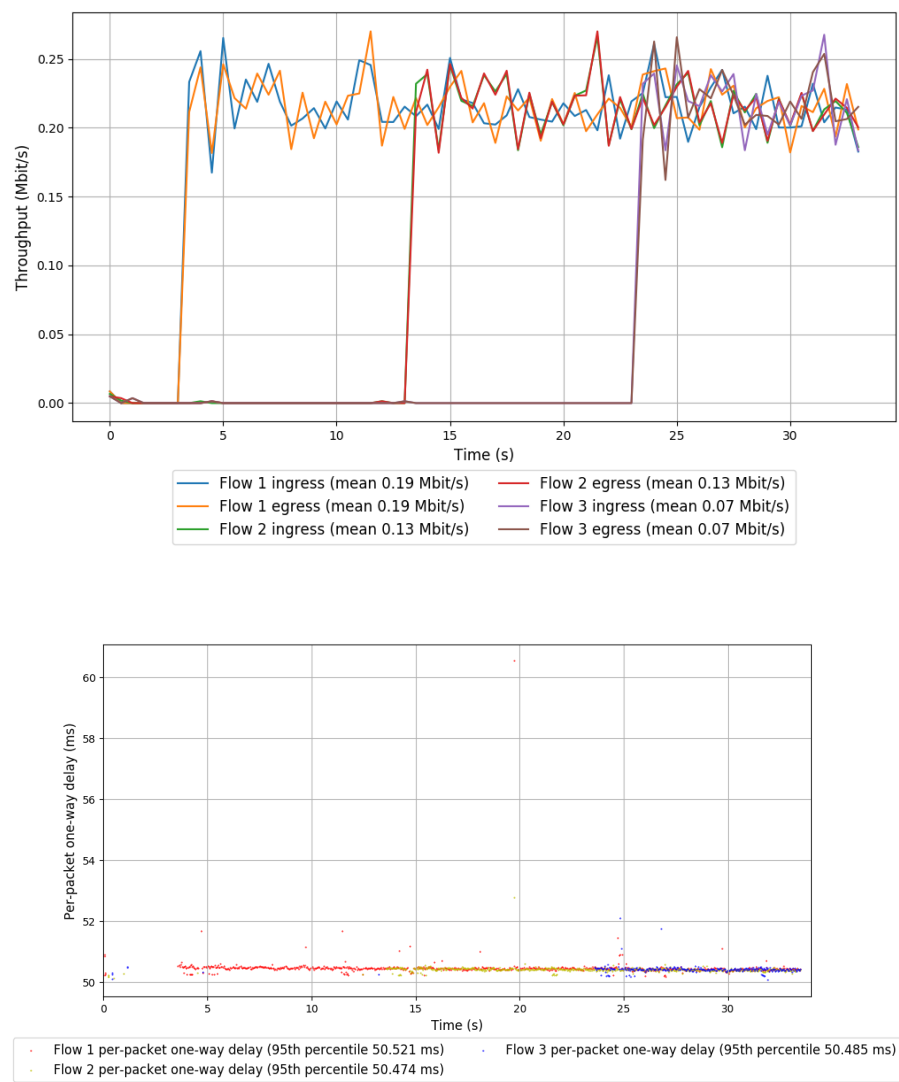
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 09:48:07 +0000
End at: Sat, 01 Jul 2017 09:48:37 +0000
Local clock offset: -0.194 ms
Remote clock offset: -11.396 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 50.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 50.521 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 50.474 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 50.485 ms
Loss rate: 0.00%
```
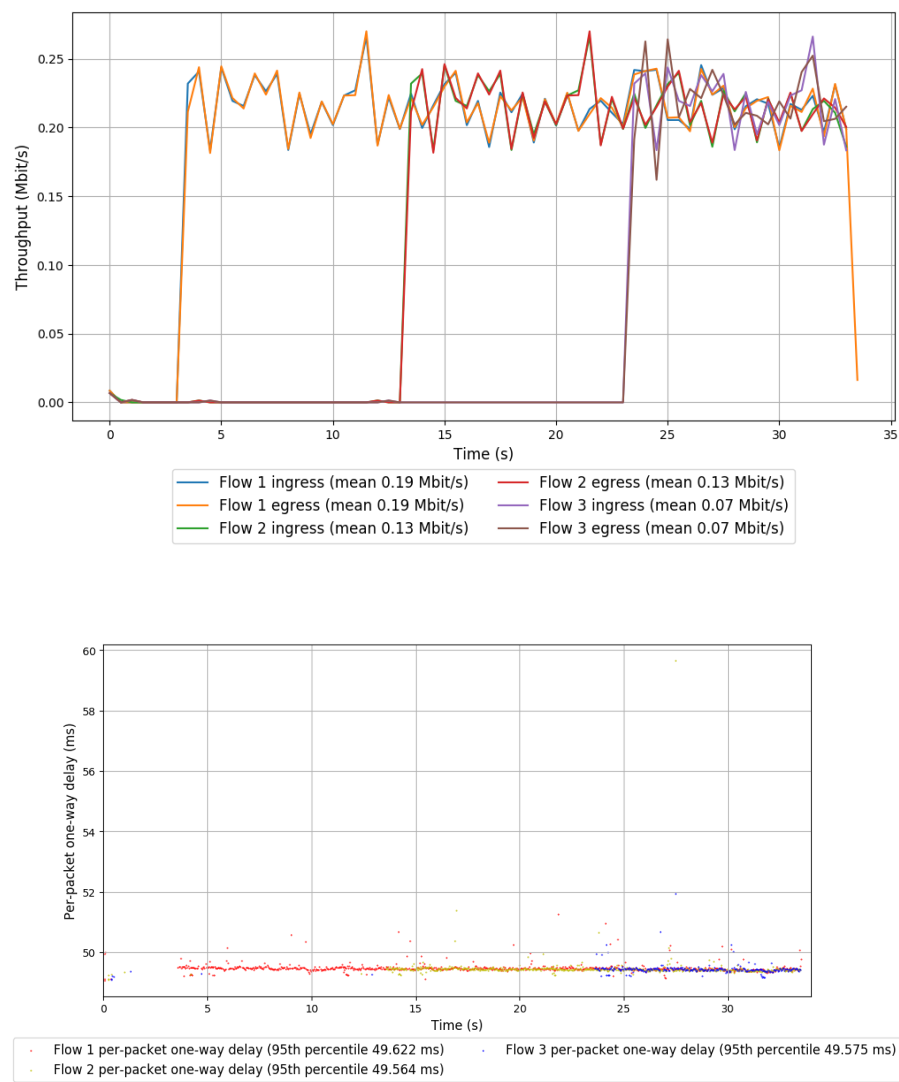
Run 3: Report of SCReAM — Data Link

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 50.521 ms)   Flow 3 per-packet one-way delay (95th percentile 50.485 ms)
Flow 2 per-packet one-way delay (95th percentile 50.474 ms)

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```
Run 4: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 10:08:31 +0000
End at: Sat, 01 Jul 2017 10:09:01 +0000
Local clock offset: -0.07 ms
Remote clock offset: -10.356 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 49.580 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 49.622 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 49.564 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 49.575 ms
Loss rate: 0.00%
```
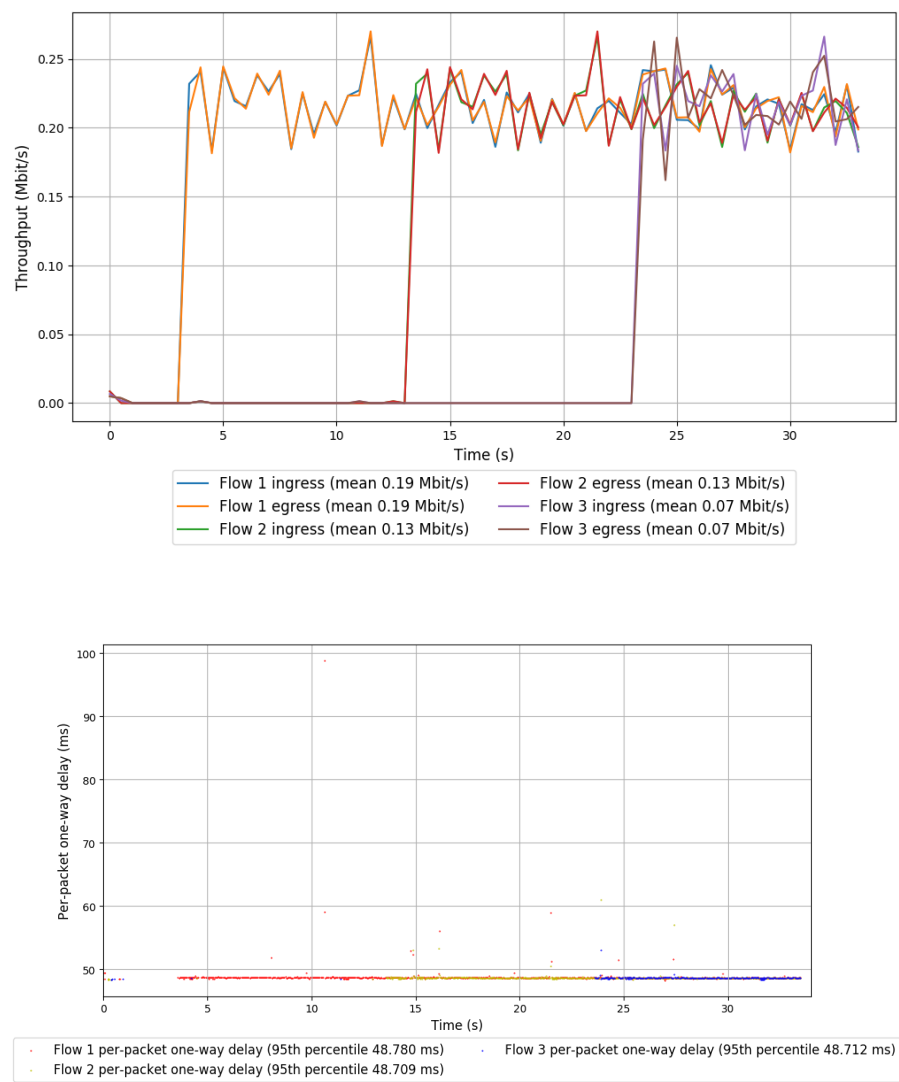
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 10:29:01 +0000
End at: Sat, 01 Jul 2017 10:29:31 +0000
Local clock offset: 0.019 ms
Remote clock offset: -7.741 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 48.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 48.780 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 48.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 48.712 ms
Loss rate: 0.00%
```
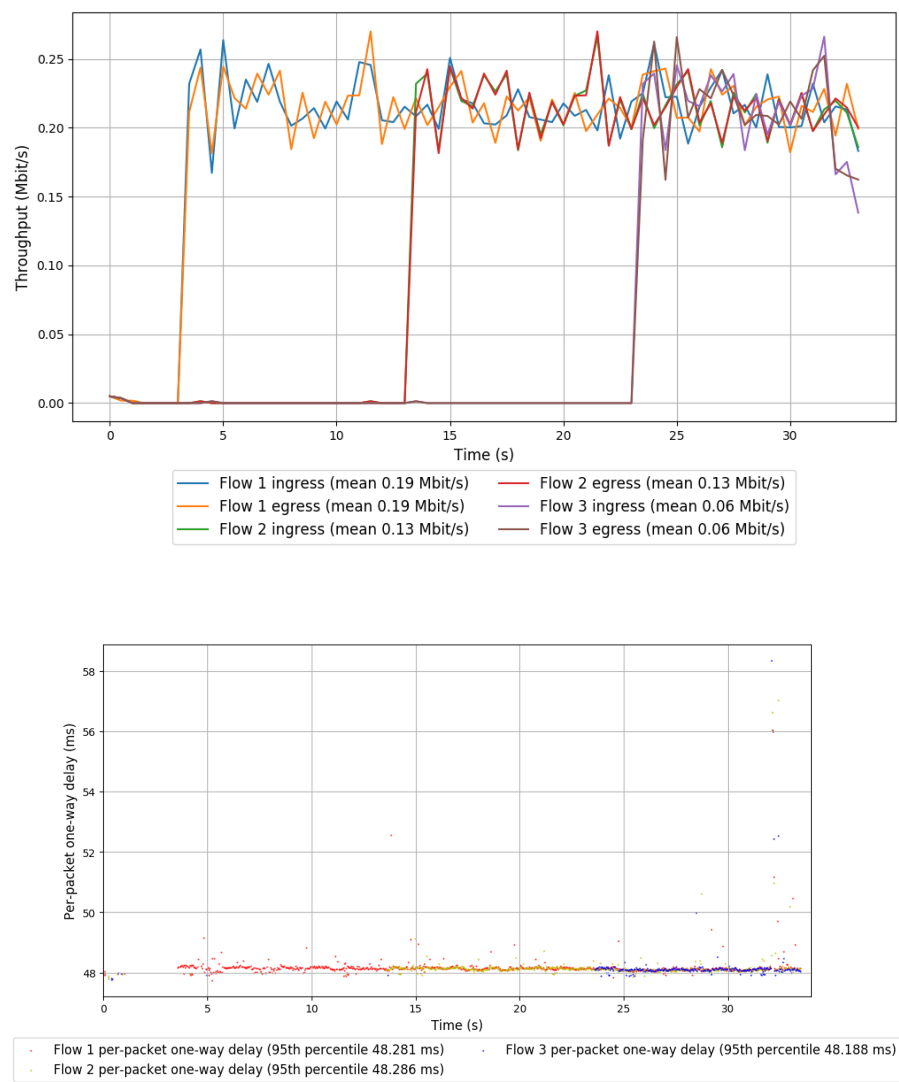
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 10:49:32 +0000
End at: Sat, 01 Jul 2017 10:50:02 +0000
Local clock offset: 0.013 ms
Remote clock offset: -6.752 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 48.267 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 48.281 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 48.286 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 48.188 ms
Loss rate: 0.37%
```
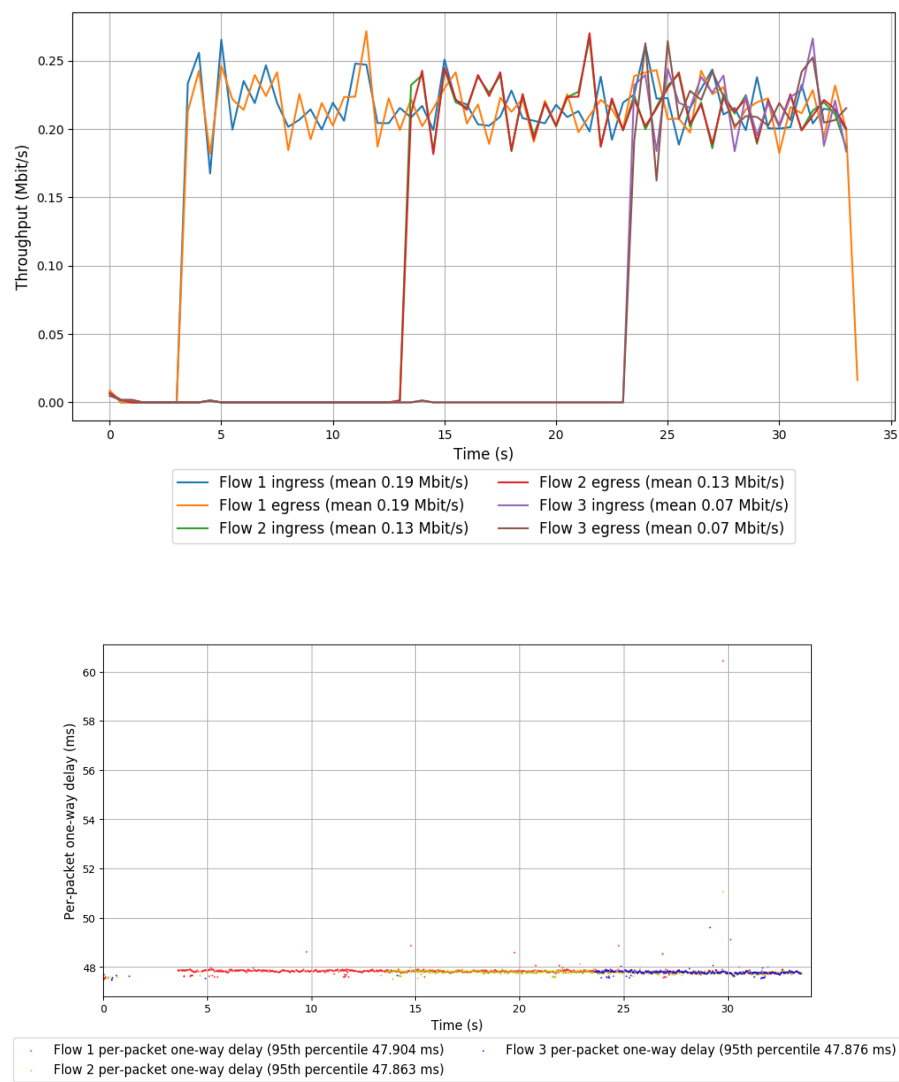
Run 6: Report of SCReAM — Data Link

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 0.06 Mbit/s)
Flow 2 ingress (mean 0.13 Mbit/s)   Flow 3 egress (mean 0.06 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 48.281 ms)   Flow 3 per-packet one-way delay (95th percentile 48.188 ms)
Flow 2 per-packet one-way delay (95th percentile 48.286 ms)

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```
Run 7: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 11:10:11 +0000
End at: Sat, 01 Jul 2017 11:10:41 +0000
Local clock offset: 0.125 ms
Remote clock offset: -8.711 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 47.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 47.904 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 47.863 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 47.876 ms
Loss rate: 0.00%
```
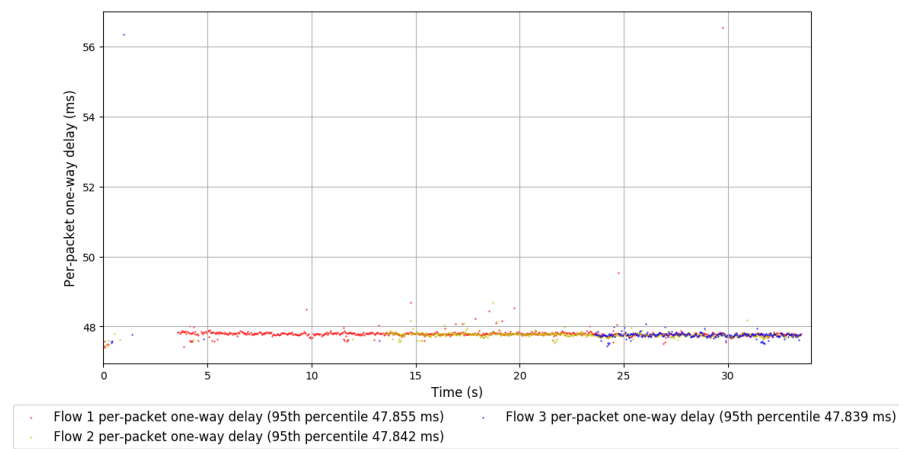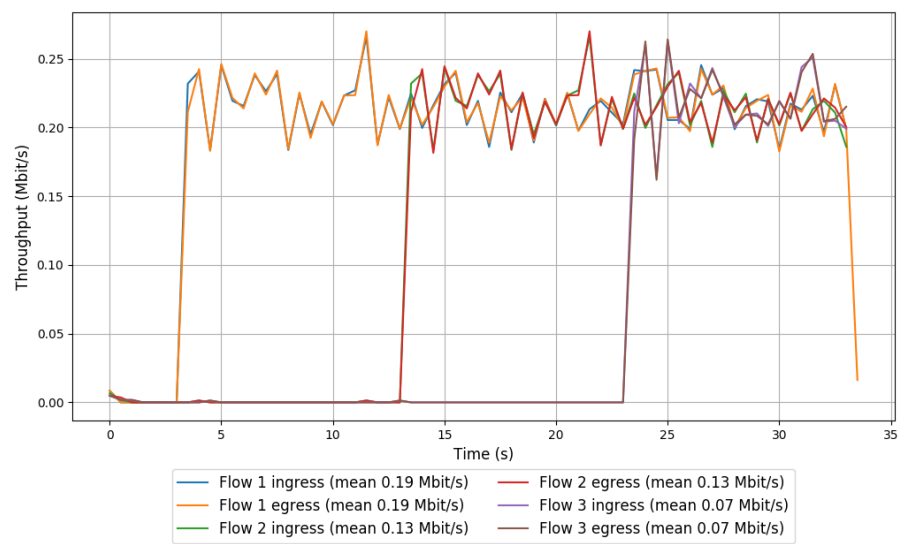
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 11:30:47 +0000
End at: Sat, 01 Jul 2017 11:31:17 +0000
Local clock offset: 0.335 ms
Remote clock offset: -8.492 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:56 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 47.851 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 47.855 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 47.842 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 47.839 ms
Loss rate: 0.00%
```
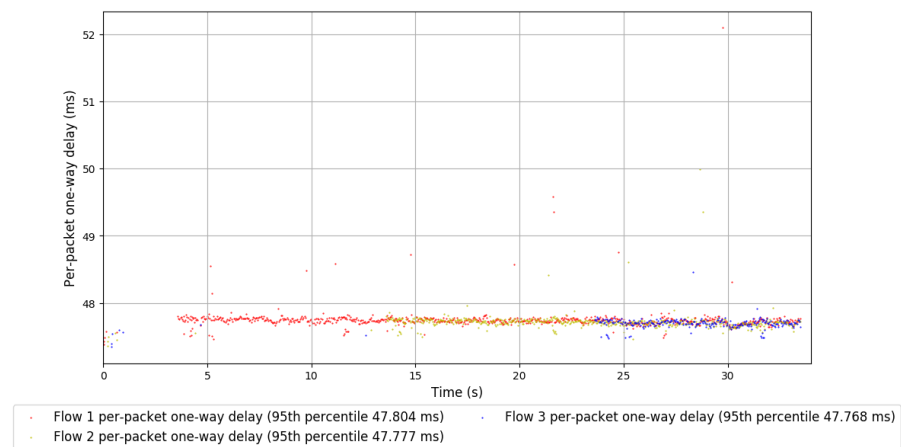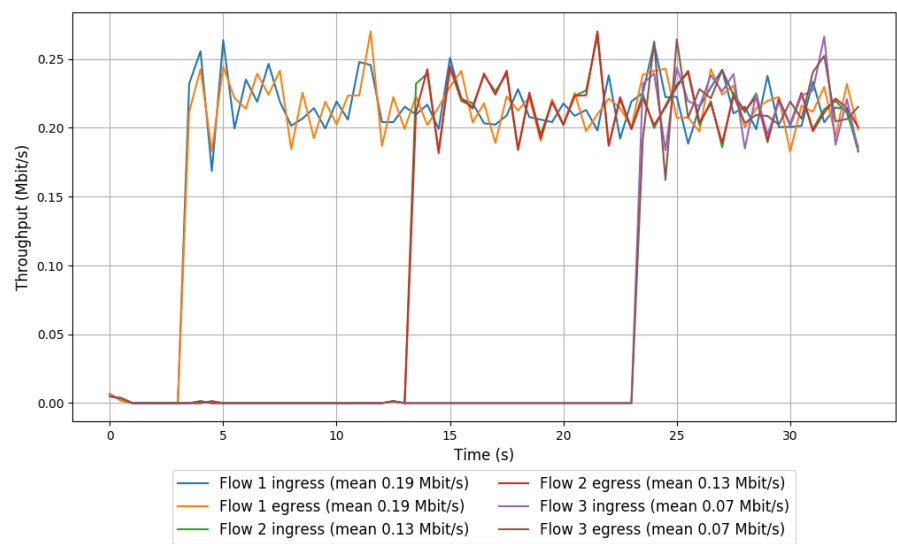
Run 8: Report of SCReAM — Data Link

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 47.855 ms)
Flow 2 per-packet one-way delay (95th percentile 47.842 ms)
Flow 3 per-packet one-way delay (95th percentile 47.839 ms)

```
Run 9: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 11:51:23 +0000
End at: Sat, 01 Jul 2017 11:51:53 +0000
Local clock offset: 0.418 ms
Remote clock offset: -1.696 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 47.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 47.804 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 47.777 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 47.768 ms
Loss rate: 0.00%
```
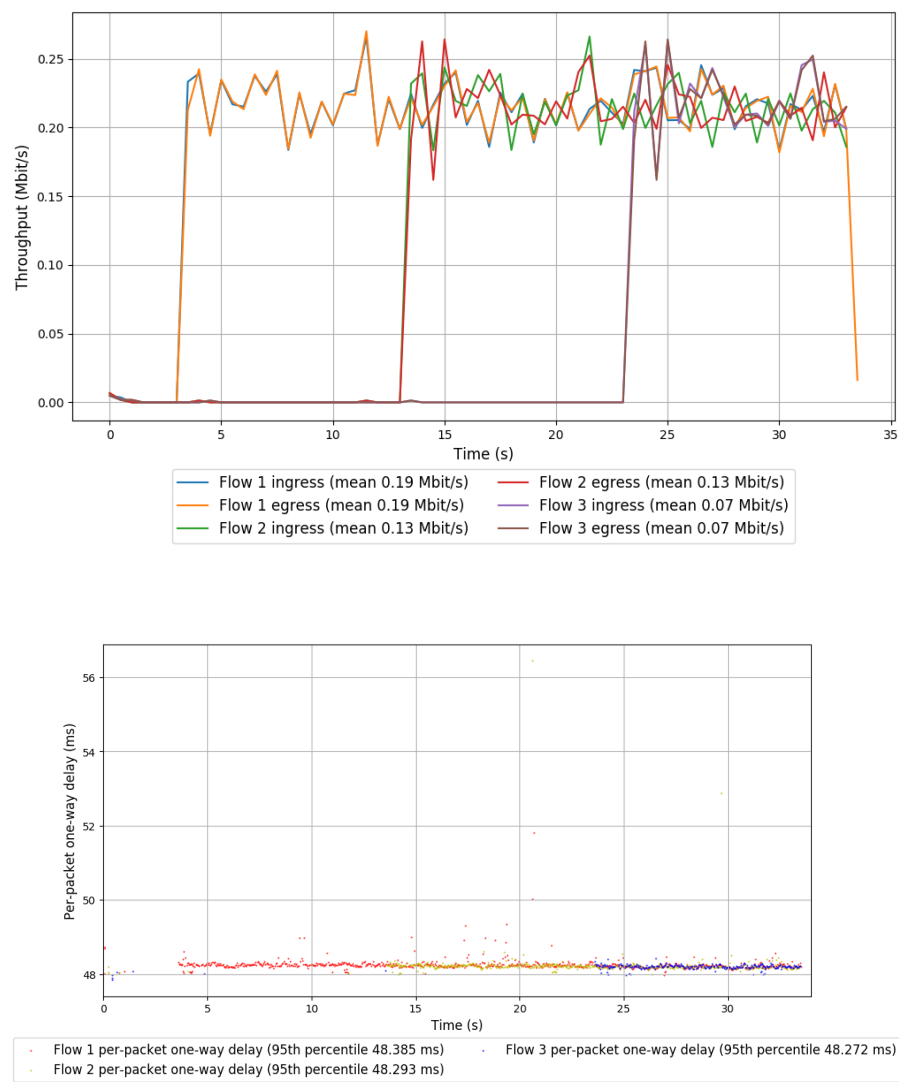
Run 9: Report of SCReAM — Data Link

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 47.804 ms)   Flow 3 per-packet one-way delay (95th percentile 47.768 ms)
Flow 2 per-packet one-way delay (95th percentile 47.777 ms)

```
Run 10: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 12:11:56 +0000
End at: Sat, 01 Jul 2017 12:12:26 +0000
Local clock offset: 0.411 ms
Remote clock offset: 1.111 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 16:53:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 48.336 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 48.385 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 48.293 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 48.272 ms
Loss rate: 0.00%
```
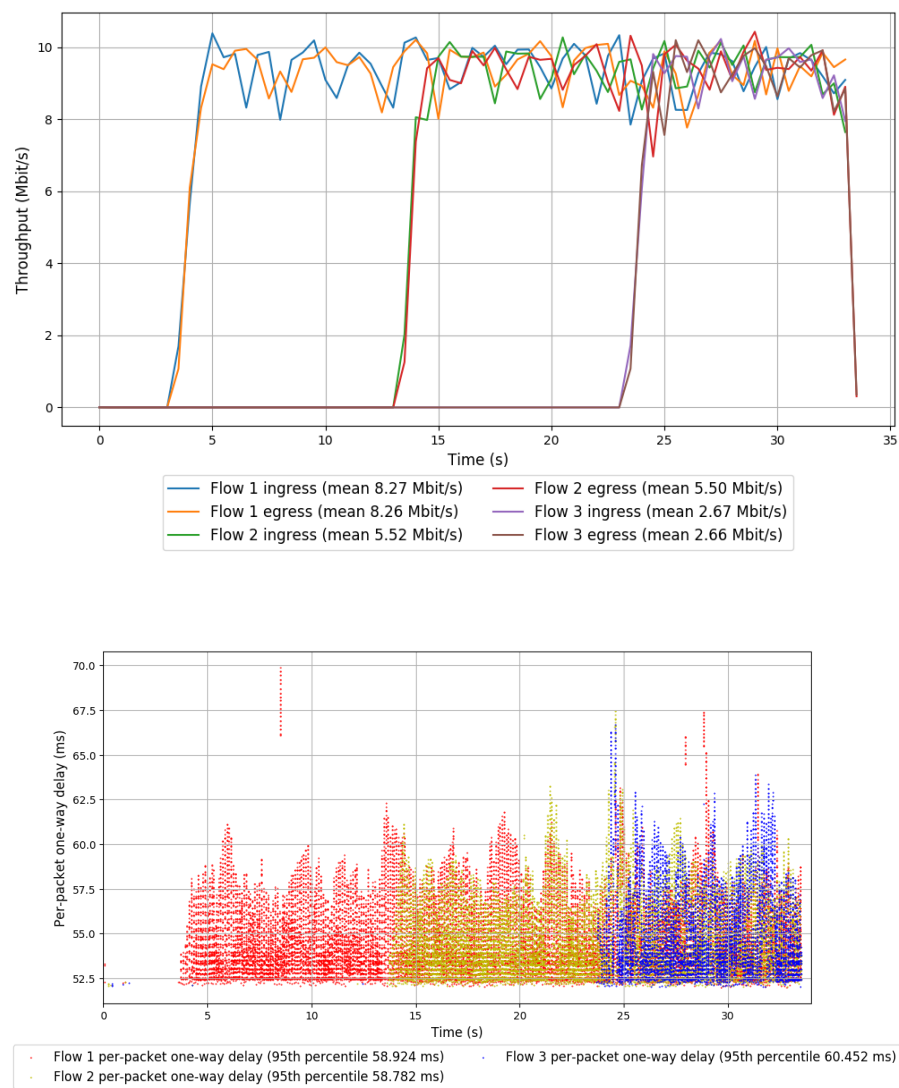
Run 10: Report of SCReAM — Data Link

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 48.385 ms)   Flow 3 per-packet one-way delay (95th percentile 48.272 ms)
Flow 2 per-packet one-way delay (95th percentile 48.293 ms)

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```
Run 1: Statistics of Sprout

Start at: Sat, 01 Jul 2017 09:17:58 +0000
End at: Sat, 01 Jul 2017 09:18:28 +0000
Local clock offset: -0.396 ms
Remote clock offset: -11.492 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:01 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.36 Mbit/s
95th percentile per-packet one-way delay: 59.149 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 8.26 Mbit/s
95th percentile per-packet one-way delay: 58.924 ms
Loss rate: 0.14%
-- Flow 2:
Average throughput: 5.50 Mbit/s
95th percentile per-packet one-way delay: 58.782 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 60.452 ms
Loss rate: 0.17%
```
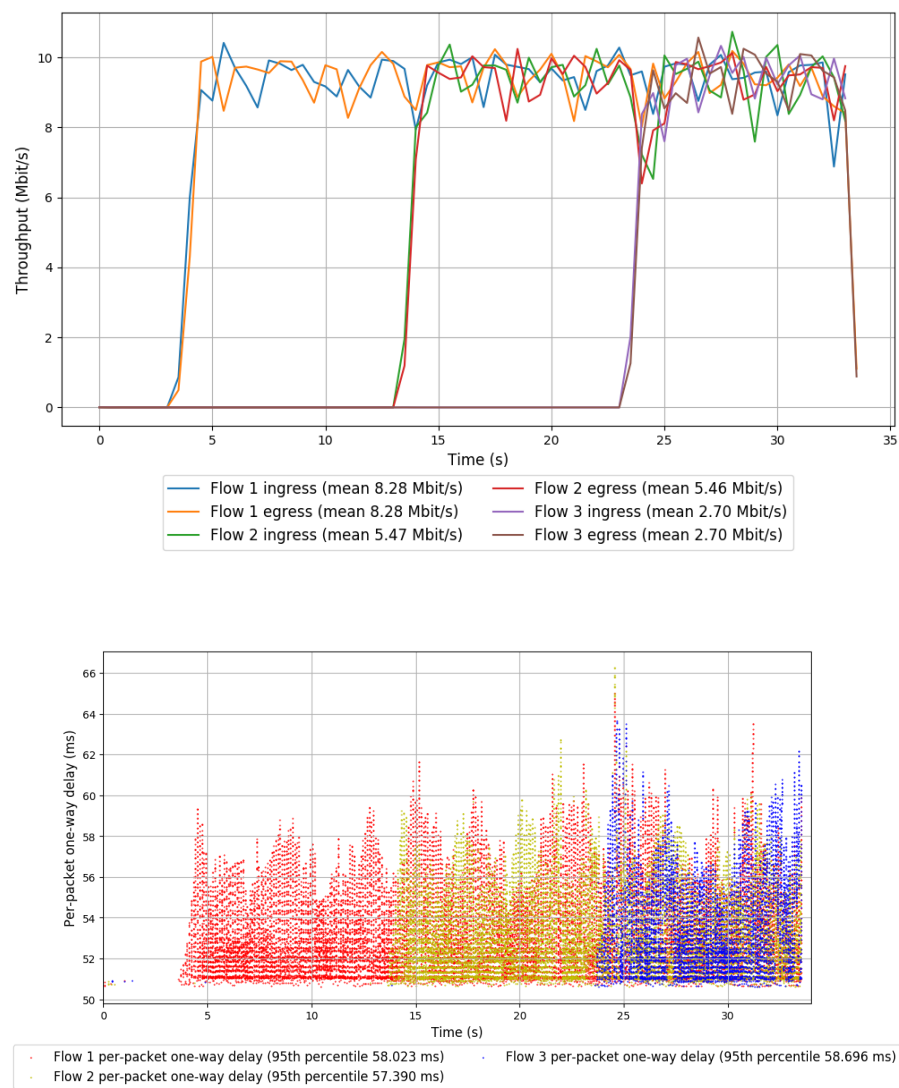
Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: Sat, 01 Jul 2017 09:38:28 +0000
End at: Sat, 01 Jul 2017 09:38:58 +0000
Local clock offset: -0.354 ms
Remote clock offset: -12.395 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:01 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.38 Mbit/s
95th percentile per-packet one-way delay: 57.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.28 Mbit/s
95th percentile per-packet one-way delay: 58.023 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 57.390 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 58.696 ms
Loss rate: 0.00%
```
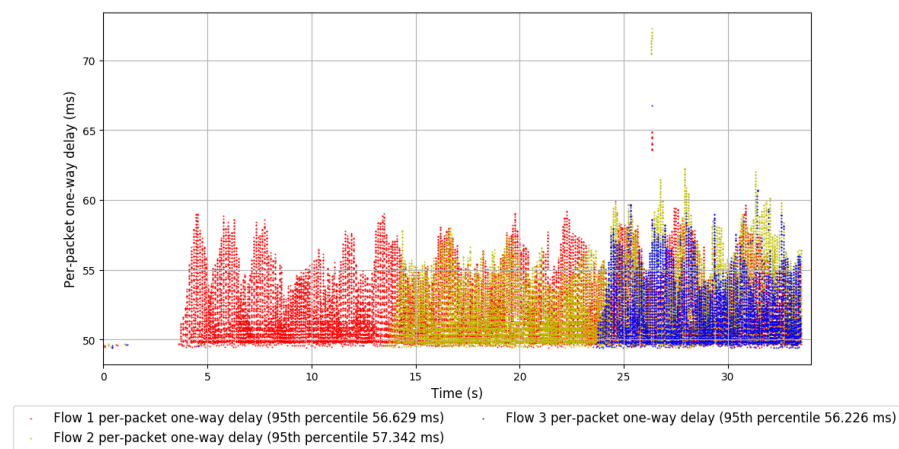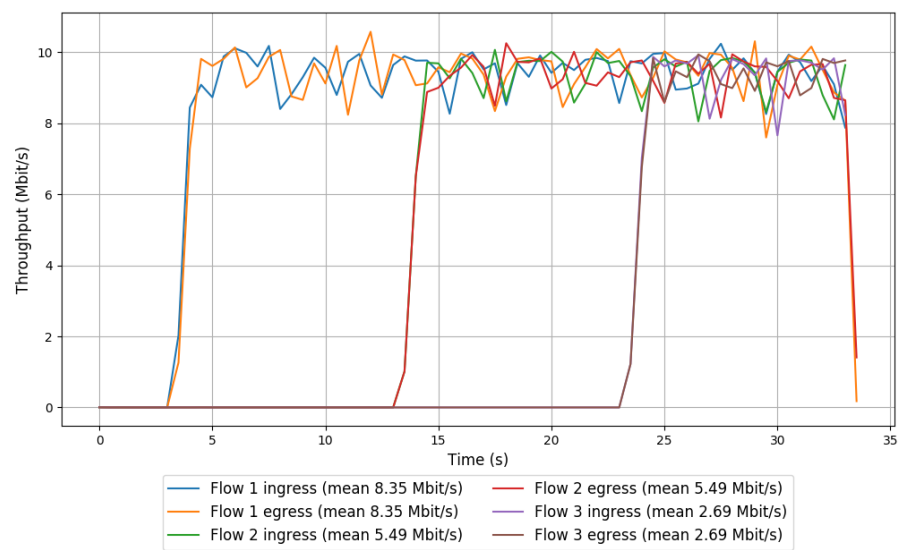
Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: Sat, 01 Jul 2017 09:58:54 +0000
End at: Sat, 01 Jul 2017 09:59:24 +0000
Local clock offset: -0.259 ms
Remote clock offset: -10.746 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:03 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.46 Mbit/s
95th percentile per-packet one-way delay: 56.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.35 Mbit/s
95th percentile per-packet one-way delay: 56.629 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.49 Mbit/s
95th percentile per-packet one-way delay: 57.342 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 56.226 ms
Loss rate: 0.00%
```
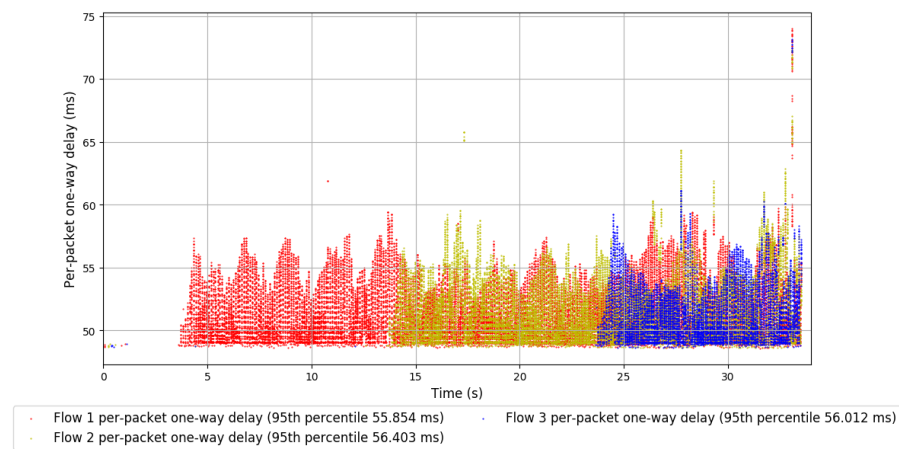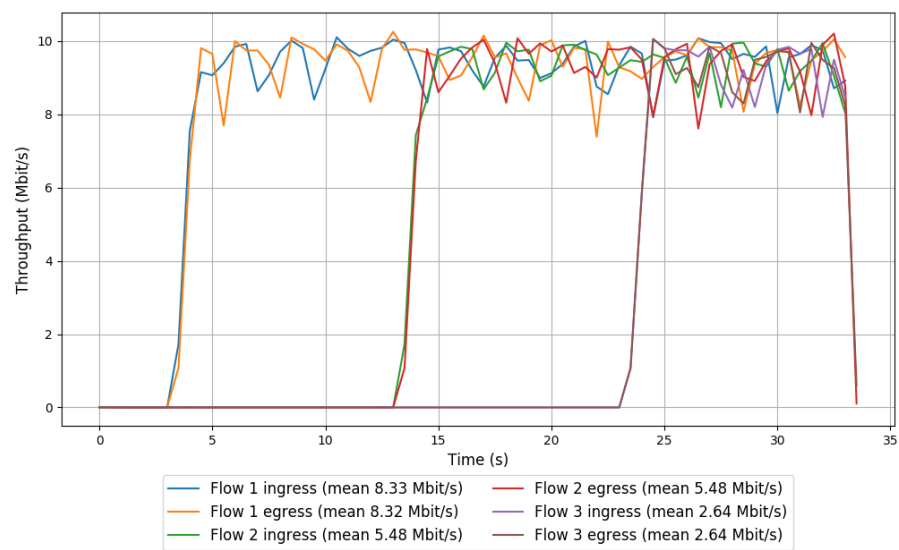
Run 3: Report of Sprout — Data Link

```
Run 4: Statistics of Sprout

Start at: Sat, 01 Jul 2017 10:19:20 +0000
End at: Sat, 01 Jul 2017 10:19:50 +0000
Local clock offset: -0.003 ms
Remote clock offset: -7.691 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.38 Mbit/s
95th percentile per-packet one-way delay: 56.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 55.854 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 56.403 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.64 Mbit/s
95th percentile per-packet one-way delay: 56.012 ms
Loss rate: 0.00%
```
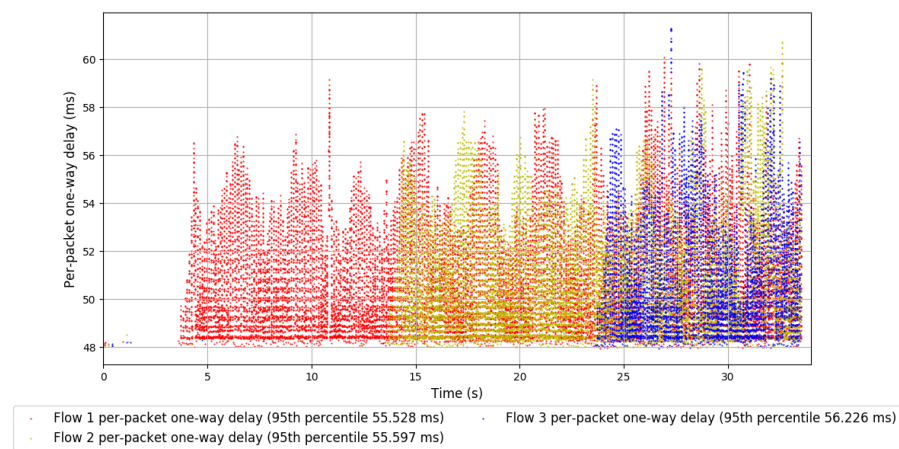
Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: Sat, 01 Jul 2017 10:39:53 +0000
End at: Sat, 01 Jul 2017 10:40:23 +0000
Local clock offset: -0.03 ms
Remote clock offset: -6.965 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:07 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.40 Mbit/s
95th percentile per-packet one-way delay: 55.671 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 55.528 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 55.597 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 56.226 ms
Loss rate: 0.00%
```
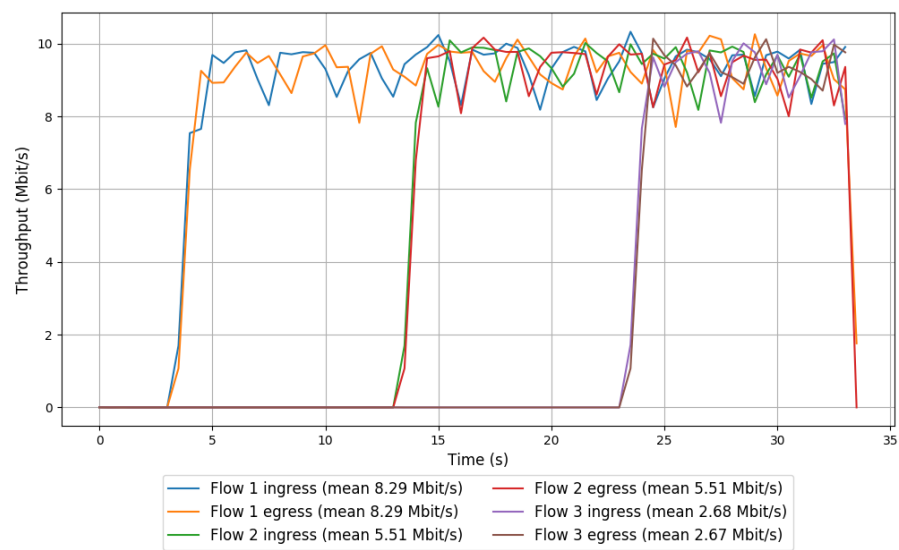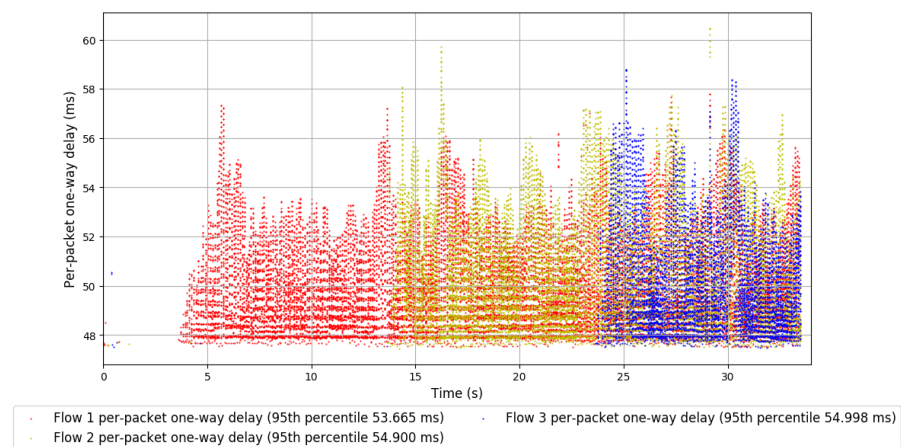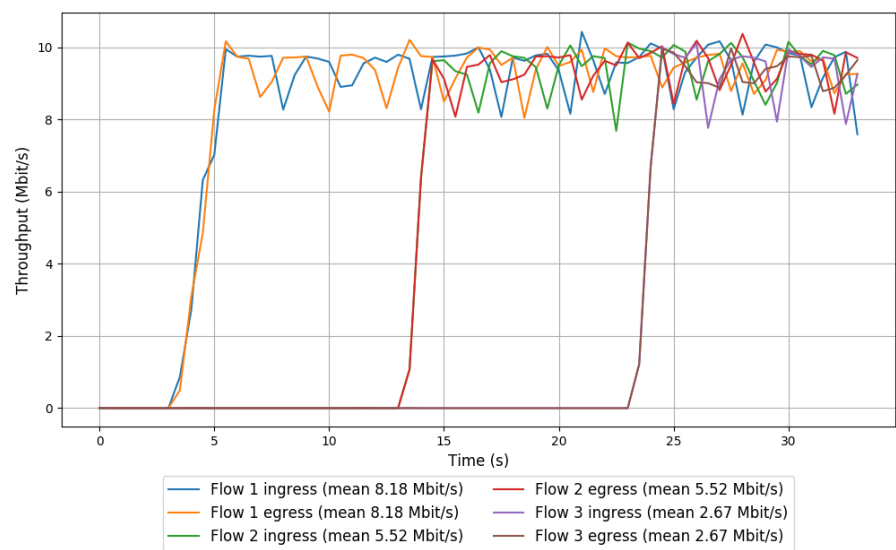
Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 8.29 Mbit/s)
Flow 1 egress (mean 8.29 Mbit/s)
Flow 2 ingress (mean 5.51 Mbit/s)
Flow 2 egress (mean 5.51 Mbit/s)
Flow 3 ingress (mean 2.68 Mbit/s)
Flow 3 egress (mean 2.67 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 55.528 ms)
Flow 2 per-packet one-way delay (95th percentile 55.597 ms)
Flow 3 per-packet one-way delay (95th percentile 56.226 ms)

```
Run 6: Statistics of Sprout

Start at: Sat, 01 Jul 2017 11:00:28 +0000
End at: Sat, 01 Jul 2017 11:00:58 +0000
Local clock offset: 0.183 ms
Remote clock offset: -6.443 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:10 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.30 Mbit/s
95th percentile per-packet one-way delay: 54.401 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 8.18 Mbit/s
95th percentile per-packet one-way delay: 53.665 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 5.52 Mbit/s
95th percentile per-packet one-way delay: 54.900 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 54.998 ms
Loss rate: 0.00%
```
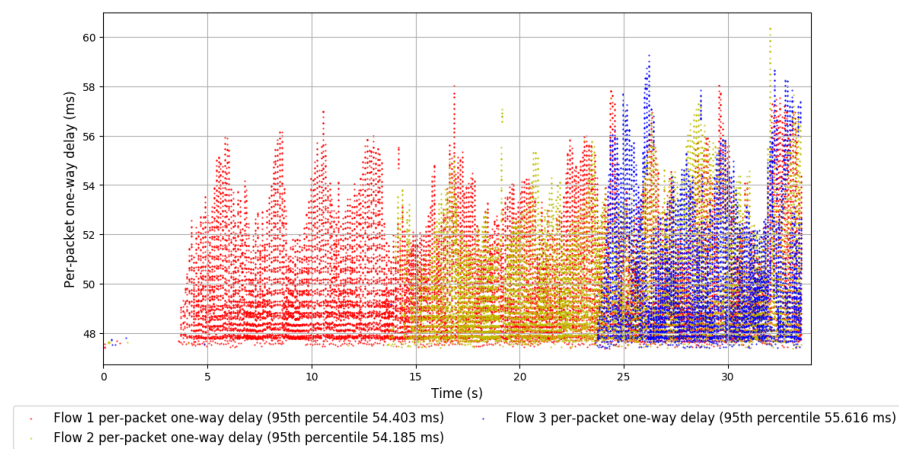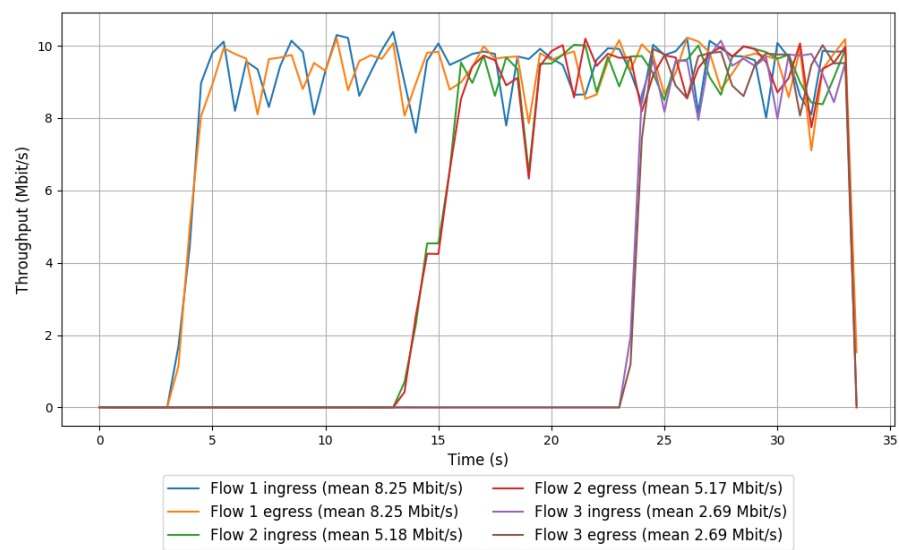
Run 6: Report of Sprout — Data Link

- Flow 1 ingress (mean 8.18 Mbit/s)
- Flow 1 egress (mean 8.18 Mbit/s)
- Flow 2 ingress (mean 5.52 Mbit/s)
- Flow 2 egress (mean 5.52 Mbit/s)
- Flow 3 ingress (mean 2.67 Mbit/s)
- Flow 3 egress (mean 2.67 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 53.665 ms)
- Flow 2 per-packet one-way delay (95th percentile 54.900 ms)
- Flow 3 per-packet one-way delay (95th percentile 54.998 ms)

```
Run 7: Statistics of Sprout

Start at: Sat, 01 Jul 2017 11:21:04 +0000
End at: Sat, 01 Jul 2017 11:21:34 +0000
Local clock offset: 0.219 ms
Remote clock offset: -8.675 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:10 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.05 Mbit/s
95th percentile per-packet one-way delay: 54.568 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 54.403 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.17 Mbit/s
95th percentile per-packet one-way delay: 54.185 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 55.616 ms
Loss rate: 0.00%
```
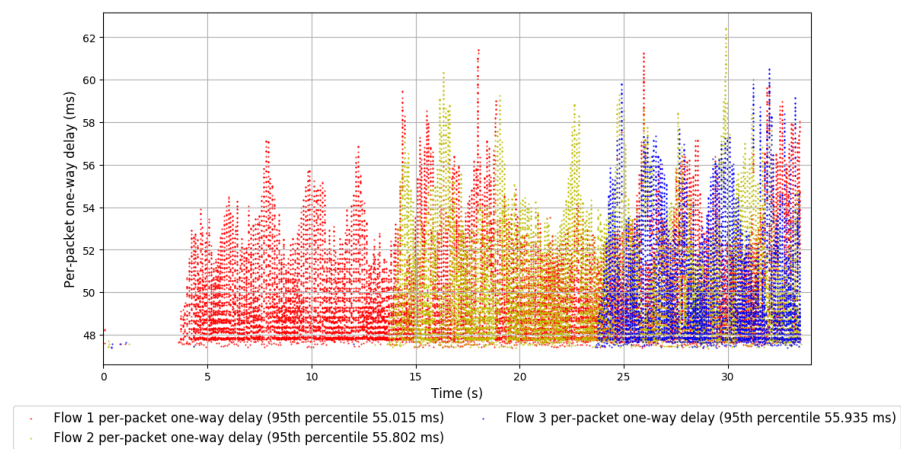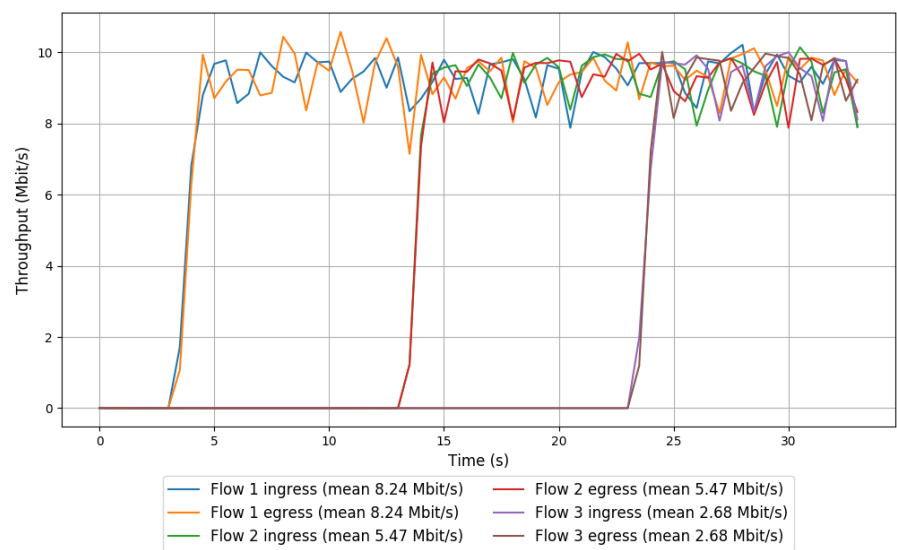
Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 8.25 Mbit/s)
Flow 1 egress (mean 8.25 Mbit/s)
Flow 2 ingress (mean 5.18 Mbit/s)
Flow 2 egress (mean 5.17 Mbit/s)
Flow 3 ingress (mean 2.69 Mbit/s)
Flow 3 egress (mean 2.69 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.403 ms)
Flow 2 per-packet one-way delay (95th percentile 54.185 ms)
Flow 3 per-packet one-way delay (95th percentile 55.616 ms)

```
Run 8: Statistics of Sprout

Start at: Sat, 01 Jul 2017 11:41:41 +0000
End at: Sat, 01 Jul 2017 11:42:11 +0000
Local clock offset: 0.296 ms
Remote clock offset: -5.59 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.31 Mbit/s
95th percentile per-packet one-way delay: 55.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 55.015 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 55.802 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 55.935 ms
Loss rate: 0.00%
```
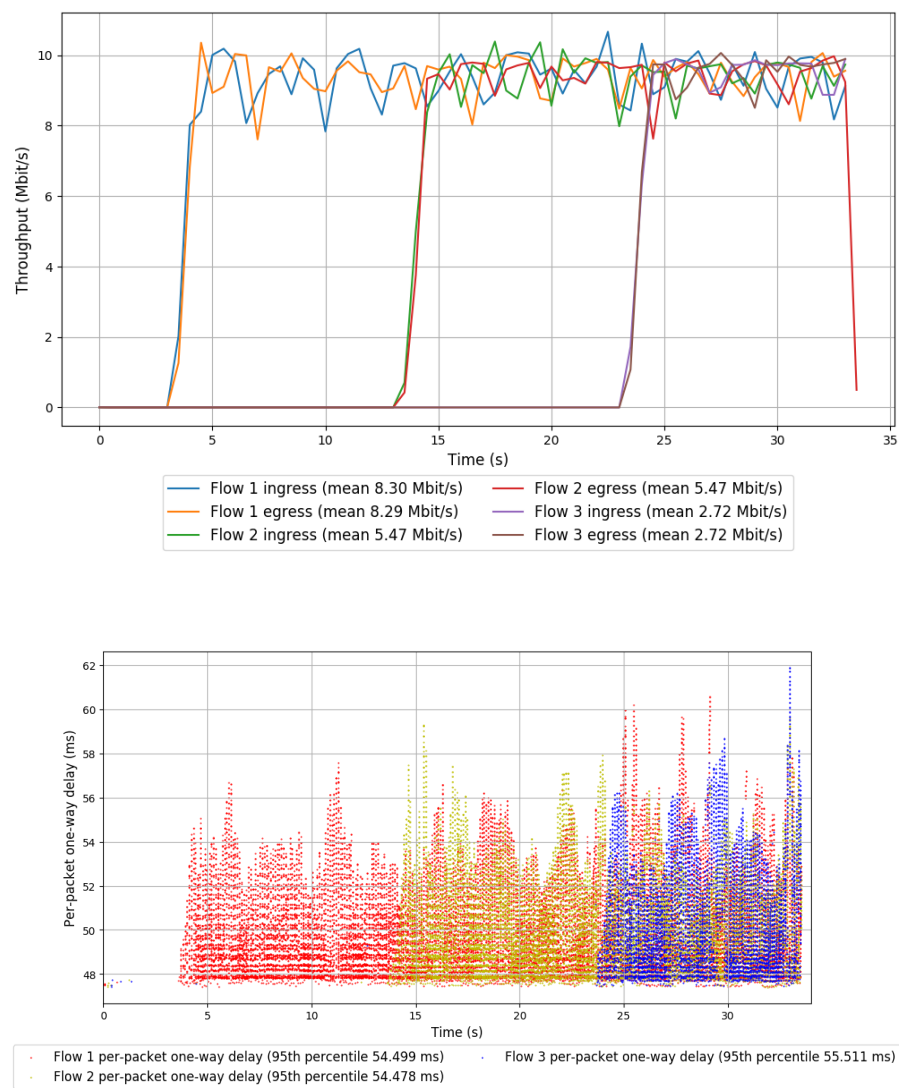
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: Sat, 01 Jul 2017 12:02:17 +0000
End at: Sat, 01 Jul 2017 12:02:47 +0000
Local clock offset: 0.444 ms
Remote clock offset: -0.827 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:14 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.43 Mbit/s
95th percentile per-packet one-way delay: 54.713 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 54.499 ms
Loss rate: 0.03%
-- Flow 2:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 54.478 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 55.511 ms
Loss rate: 0.00%
```
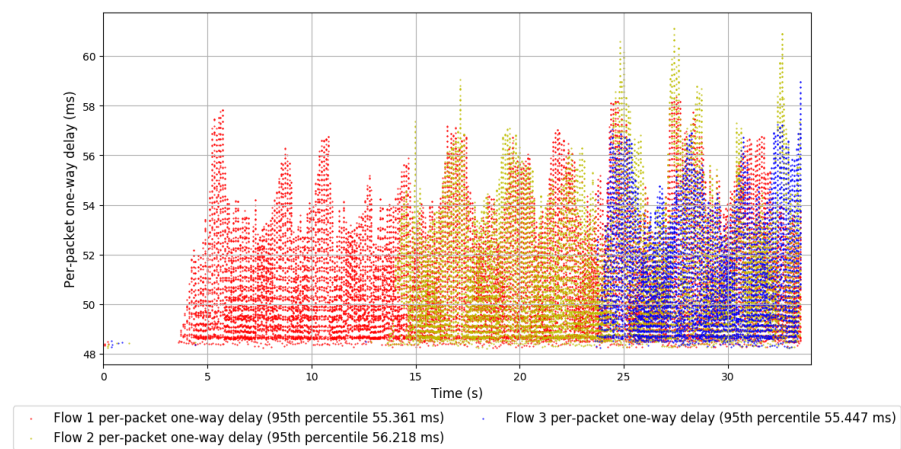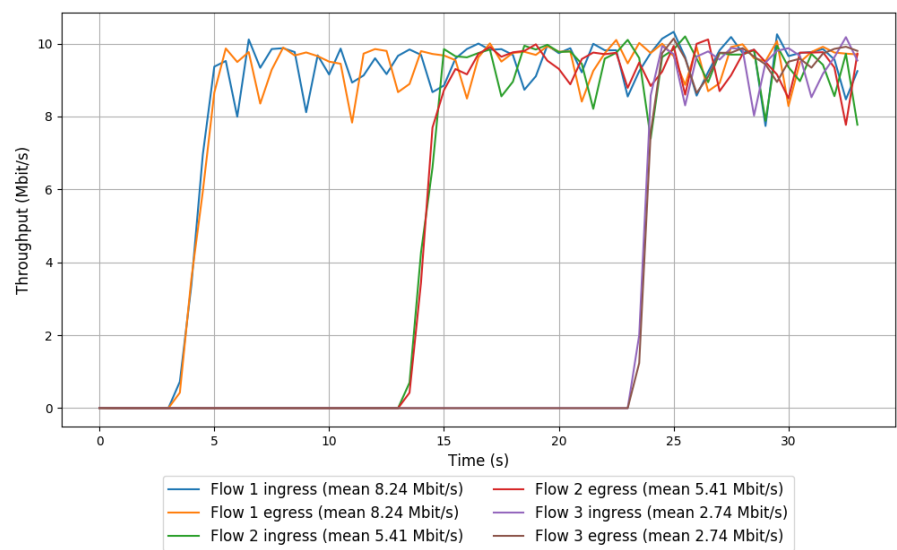
Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 8.30 Mbit/s)
Flow 1 egress (mean 8.29 Mbit/s)
Flow 2 ingress (mean 5.47 Mbit/s)
Flow 2 egress (mean 5.47 Mbit/s)
Flow 3 ingress (mean 2.72 Mbit/s)
Flow 3 egress (mean 2.72 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 54.499 ms)
Flow 2 per-packet one-way delay (95th percentile 54.478 ms)
Flow 3 per-packet one-way delay (95th percentile 55.511 ms)

```
Run 10: Statistics of Sprout

Start at: Sat, 01 Jul 2017 12:22:53 +0000
End at: Sat, 01 Jul 2017 12:23:23 +0000
Local clock offset: 0.505 ms
Remote clock offset: 0.714 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:16 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 16.33 Mbit/s
95th percentile per-packet one-way delay: 55.637 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.24 Mbit/s
95th percentile per-packet one-way delay: 55.361 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 5.41 Mbit/s
95th percentile per-packet one-way delay: 56.218 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.74 Mbit/s
95th percentile per-packet one-way delay: 55.447 ms
Loss rate: 0.00%
```
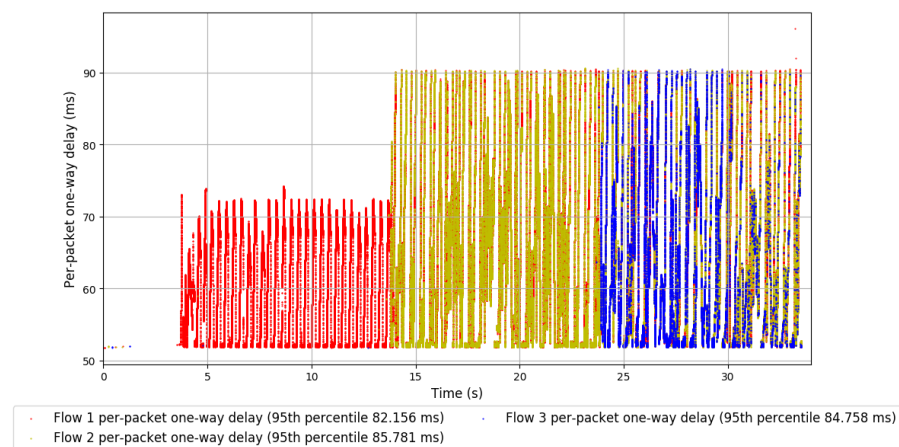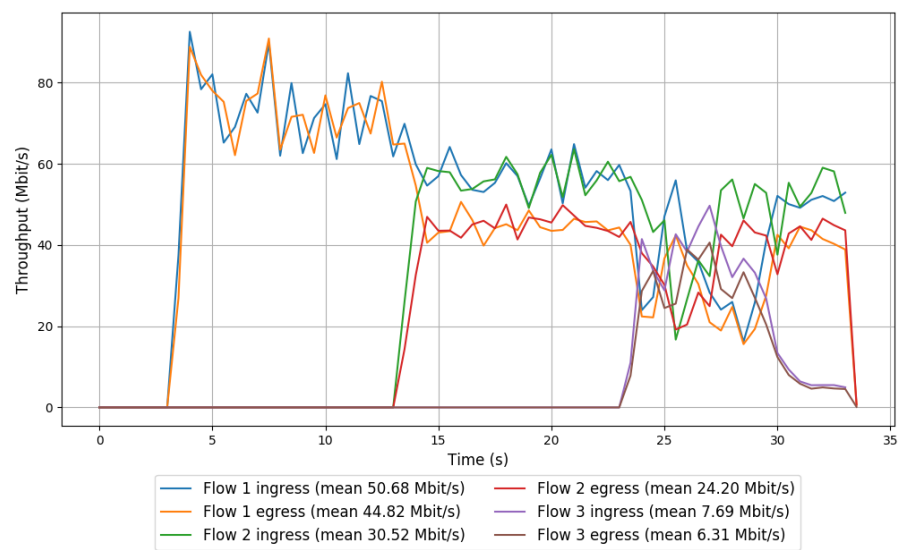
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 8.24 Mbit/s)
Flow 1 egress (mean 8.24 Mbit/s)
Flow 2 ingress (mean 5.41 Mbit/s)
Flow 2 egress (mean 5.41 Mbit/s)
Flow 3 ingress (mean 2.74 Mbit/s)
Flow 3 egress (mean 2.74 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 55.361 ms)
Flow 2 per-packet one-way delay (95th percentile 56.218 ms)
Flow 3 per-packet one-way delay (95th percentile 55.447 ms)

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

Start at: Sat, 01 Jul 2017 09:22:07 +0000
End at: Sat, 01 Jul 2017 09:22:37 +0000
Local clock offset: -0.399 ms
Remote clock offset: -11.6 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:35 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.13 Mbit/s
95th percentile per-packet one-way delay: 84.199 ms
Loss rate: 15.25%
-- Flow 1:
Average throughput: 44.82 Mbit/s
95th percentile per-packet one-way delay: 82.156 ms
Loss rate: 11.57%
-- Flow 2:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 85.781 ms
Loss rate: 20.71%
-- Flow 3:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 84.758 ms
Loss rate: 17.94%
```
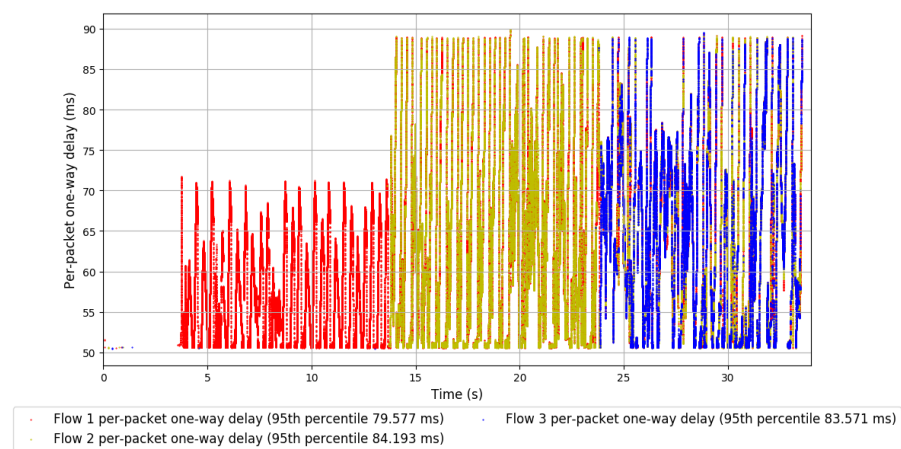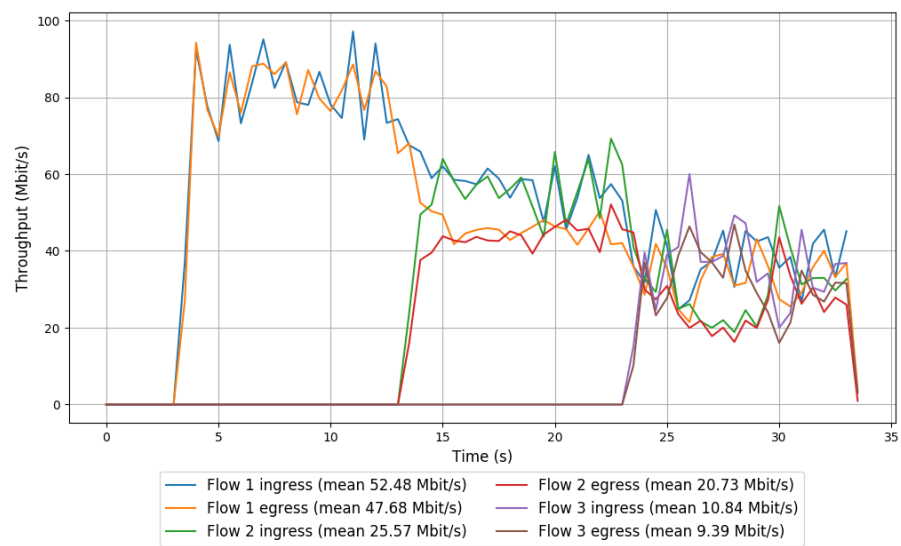
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 50.68 Mbit/s)
Flow 1 egress (mean 44.82 Mbit/s)
Flow 2 ingress (mean 30.52 Mbit/s)
Flow 2 egress (mean 24.20 Mbit/s)
Flow 3 ingress (mean 7.69 Mbit/s)
Flow 3 egress (mean 6.31 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 82.156 ms)
Flow 2 per-packet one-way delay (95th percentile 85.781 ms)
Flow 3 per-packet one-way delay (95th percentile 84.758 ms)

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

Start at: Sat, 01 Jul 2017 09:42:34 +0000
End at: Sat, 01 Jul 2017 09:43:04 +0000
Local clock offset: -0.227 ms
Remote clock offset: -10.018 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:37 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.58 Mbit/s
95th percentile per-packet one-way delay: 81.798 ms
Loss rate: 12.41%
-- Flow 1:
Average throughput: 47.68 Mbit/s
95th percentile per-packet one-way delay: 79.577 ms
Loss rate: 9.08%
-- Flow 2:
Average throughput: 20.73 Mbit/s
95th percentile per-packet one-way delay: 84.193 ms
Loss rate: 18.87%
-- Flow 3:
Average throughput: 9.39 Mbit/s
95th percentile per-packet one-way delay: 83.571 ms
Loss rate: 13.34%
```
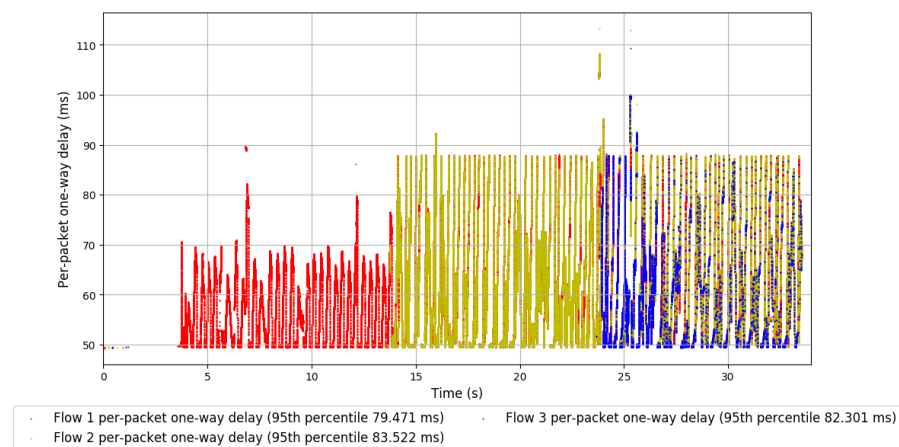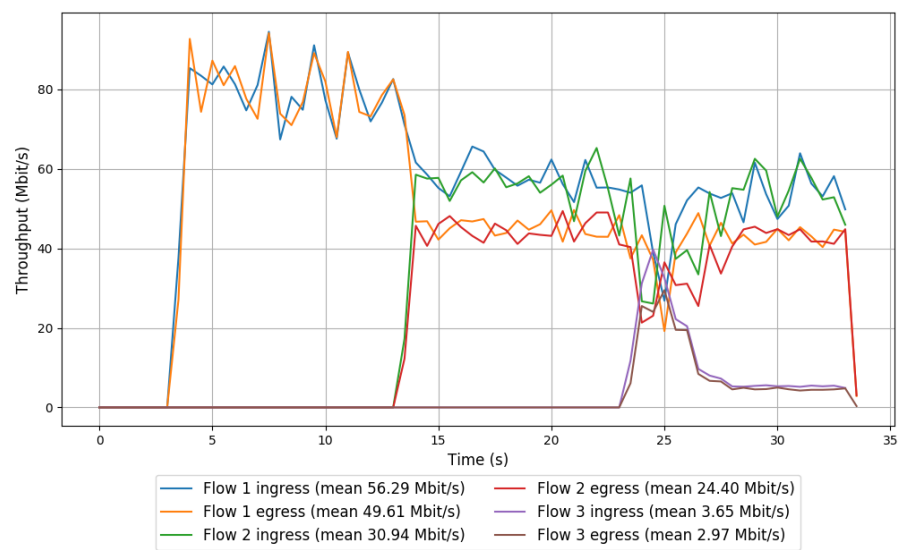
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 52.48 Mbit/s)   Flow 2 egress (mean 20.73 Mbit/s)
Flow 1 egress (mean 47.68 Mbit/s)   Flow 3 ingress (mean 10.84 Mbit/s)
Flow 2 ingress (mean 25.57 Mbit/s)   Flow 3 egress (mean 9.39 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 79.577 ms)   Flow 3 per-packet one-way delay (95th percentile 83.571 ms)
Flow 2 per-packet one-way delay (95th percentile 84.193 ms)

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

Start at: Sat, 01 Jul 2017 10:03:00 +0000
End at: Sat, 01 Jul 2017 10:03:30 +0000
Local clock offset: -0.217 ms
Remote clock offset: -8.423 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:58 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.81 Mbit/s
95th percentile per-packet one-way delay: 81.143 ms
Loss rate: 15.23%
-- Flow 1:
Average throughput: 49.61 Mbit/s
95th percentile per-packet one-way delay: 79.471 ms
Loss rate: 11.82%
-- Flow 2:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: 83.522 ms
Loss rate: 21.09%
-- Flow 3:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 82.301 ms
Loss rate: 18.53%
```
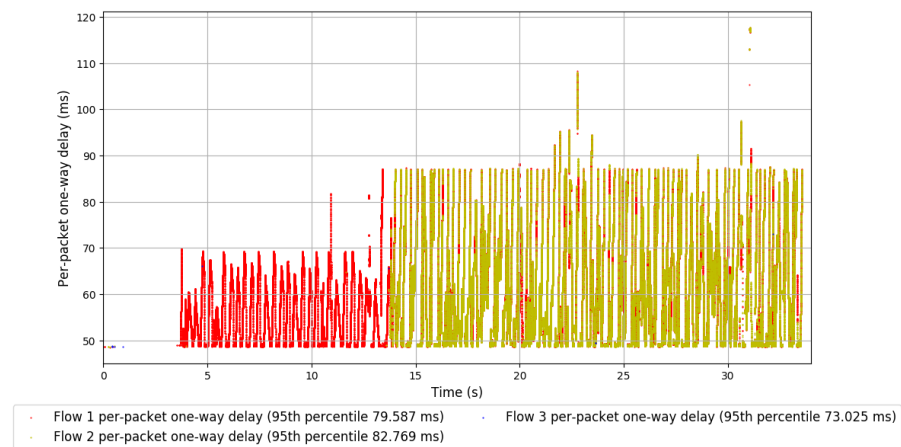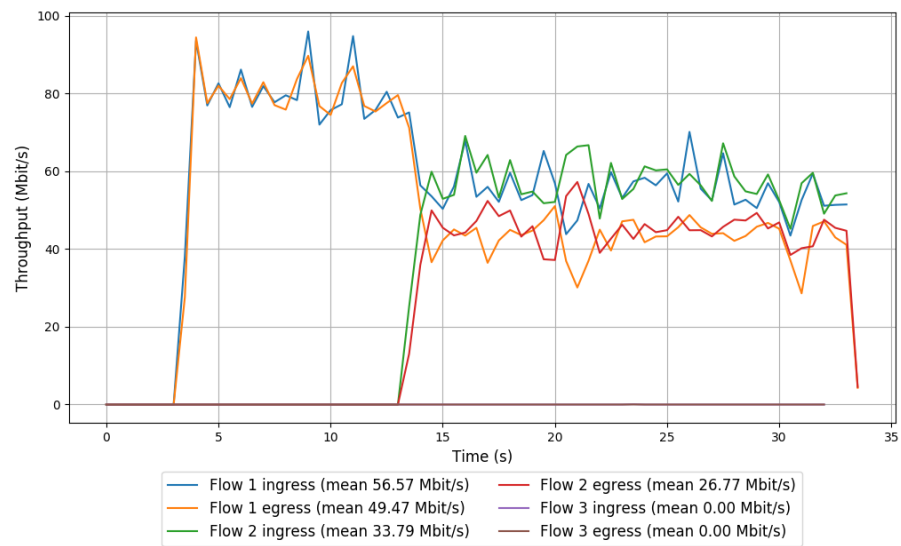
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 56.29 Mbit/s)
Flow 1 egress (mean 49.61 Mbit/s)
Flow 2 ingress (mean 30.94 Mbit/s)
Flow 2 egress (mean 24.40 Mbit/s)
Flow 3 ingress (mean 3.65 Mbit/s)
Flow 3 egress (mean 2.97 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 79.471 ms)
Flow 2 per-packet one-way delay (95th percentile 83.522 ms)
Flow 3 per-packet one-way delay (95th percentile 82.301 ms)

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

Start at: Sat, 01 Jul 2017 10:23:28 +0000
End at: Sat, 01 Jul 2017 10:23:58 +0000
Local clock offset: 0.006 ms
Remote clock offset: -7.343 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:54:59 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.10 Mbit/s
95th percentile per-packet one-way delay: 81.014 ms
Loss rate: 15.53%
-- Flow 1:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 79.587 ms
Loss rate: 12.46%
-- Flow 2:
Average throughput: 26.77 Mbit/s
95th percentile per-packet one-way delay: 82.769 ms
Loss rate: 20.70%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 73.025 ms
Loss rate: 57.41%
```
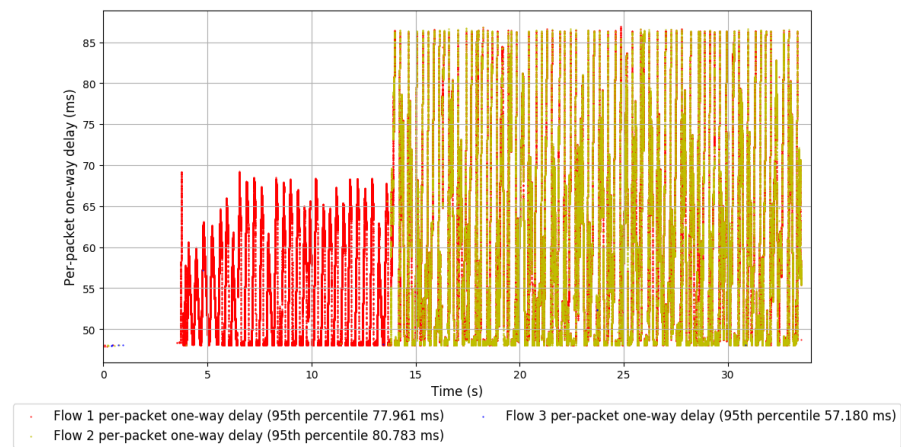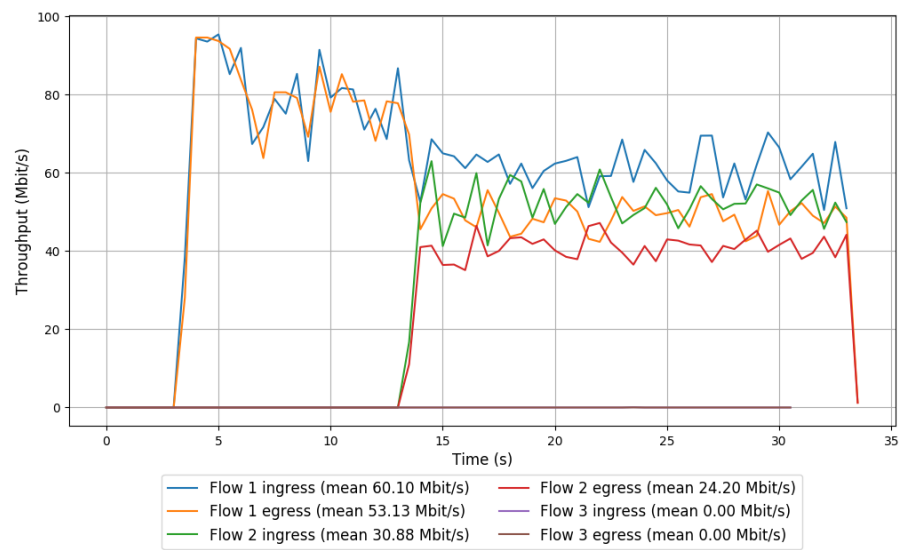
Run 4: Report of TaoVA-100x — Data Link

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

Start at: Sat, 01 Jul 2017 10:44:00 +0000
End at: Sat, 01 Jul 2017 10:44:30 +0000
Local clock offset: 0.083 ms
Remote clock offset: -6.916 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:55:19 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.20 Mbit/s
95th percentile per-packet one-way delay: 79.226 ms
Loss rate: 14.99%
-- Flow 1:
Average throughput: 53.13 Mbit/s
95th percentile per-packet one-way delay: 77.961 ms
Loss rate: 11.59%
-- Flow 2:
Average throughput: 24.20 Mbit/s
95th percentile per-packet one-way delay: 80.783 ms
Loss rate: 21.63%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 57.180 ms
Loss rate: 57.41%
```
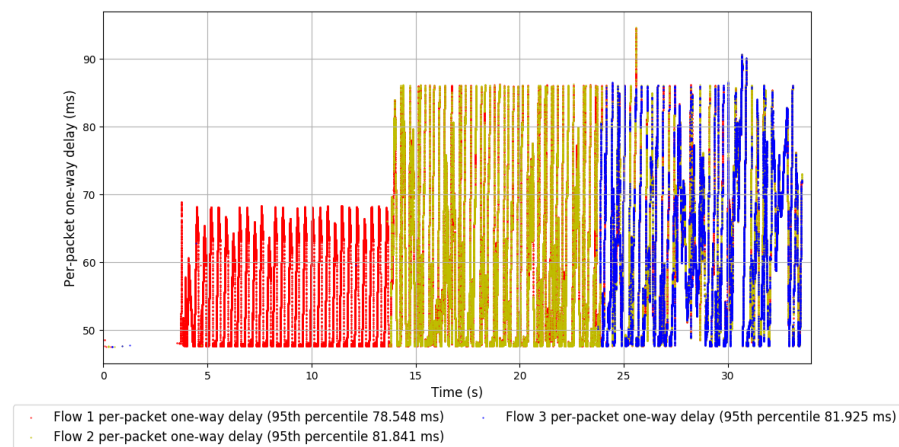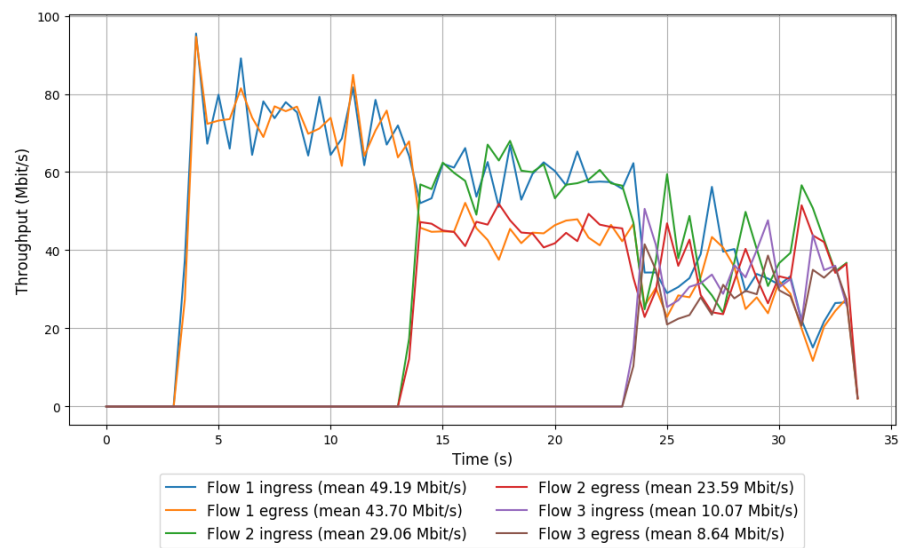
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 60.10 Mbit/s)
Flow 1 egress (mean 53.13 Mbit/s)
Flow 2 ingress (mean 30.88 Mbit/s)
Flow 2 egress (mean 24.20 Mbit/s)
Flow 3 ingress (mean 0.00 Mbit/s)
Flow 3 egress (mean 0.00 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 77.961 ms)
Flow 2 per-packet one-way delay (95th percentile 80.783 ms)
Flow 3 per-packet one-way delay (95th percentile 57.180 ms)

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

Start at: Sat, 01 Jul 2017 11:04:39 +0000
End at: Sat, 01 Jul 2017 11:05:09 +0000
Local clock offset: 0.182 ms
Remote clock offset: -8.4 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:55:21 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.71 Mbit/s
95th percentile per-packet one-way delay: 80.397 ms
Loss rate: 13.95%
-- Flow 1:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 78.548 ms
Loss rate: 11.09%
-- Flow 2:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 81.841 ms
Loss rate: 18.75%
-- Flow 3:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 81.925 ms
Loss rate: 14.12%
```
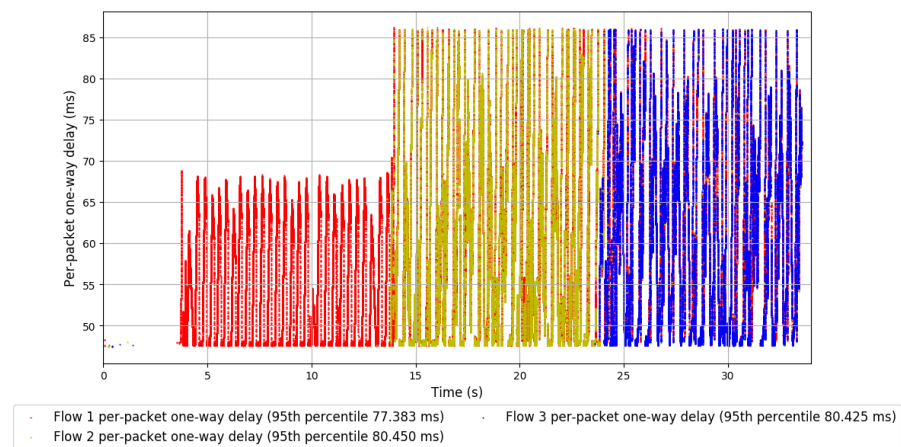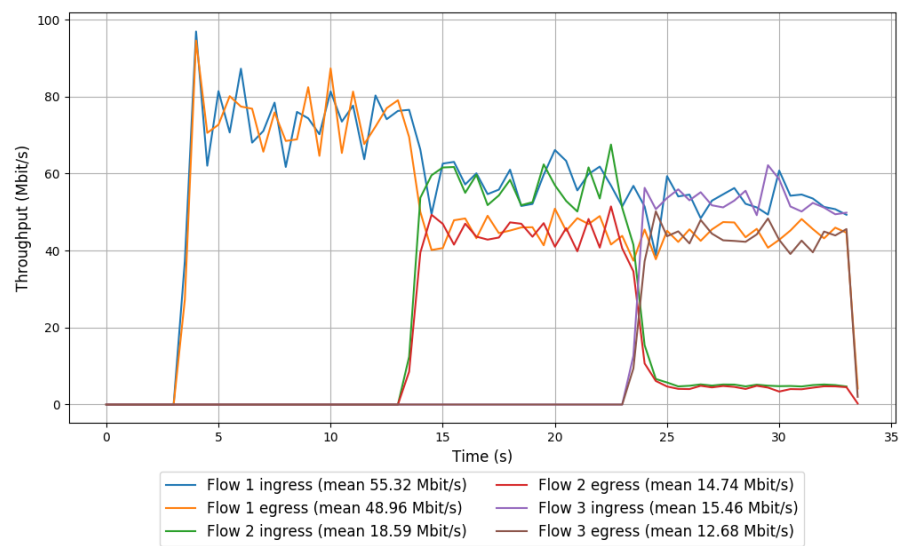
Run 6: Report of TaoVA-100x — Data Link

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

Start at: Sat, 01 Jul 2017 11:25:14 +0000
End at: Sat, 01 Jul 2017 11:25:44 +0000
Local clock offset: 0.315 ms
Remote clock offset: -6.481 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:55:41 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.17 Mbit/s
95th percentile per-packet one-way delay: 78.683 ms
Loss rate: 14.45%
-- Flow 1:
Average throughput: 48.96 Mbit/s
95th percentile per-packet one-way delay: 77.383 ms
Loss rate: 11.43%
-- Flow 2:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 80.450 ms
Loss rate: 20.66%
-- Flow 3:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 80.425 ms
Loss rate: 17.89%
```
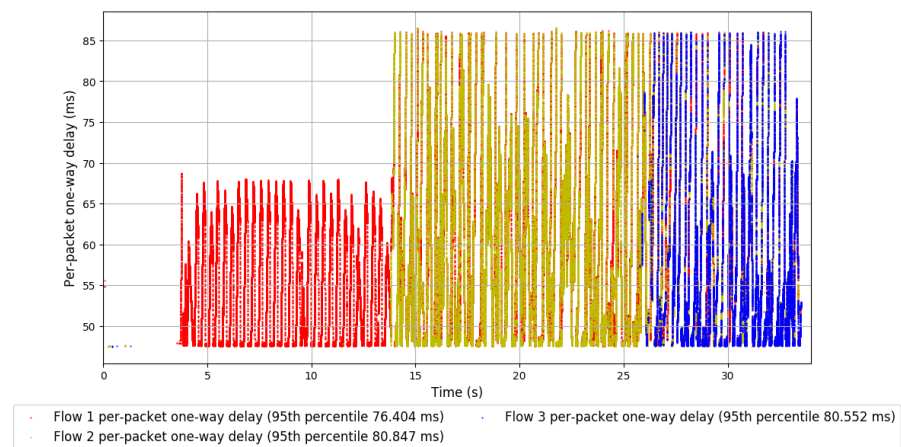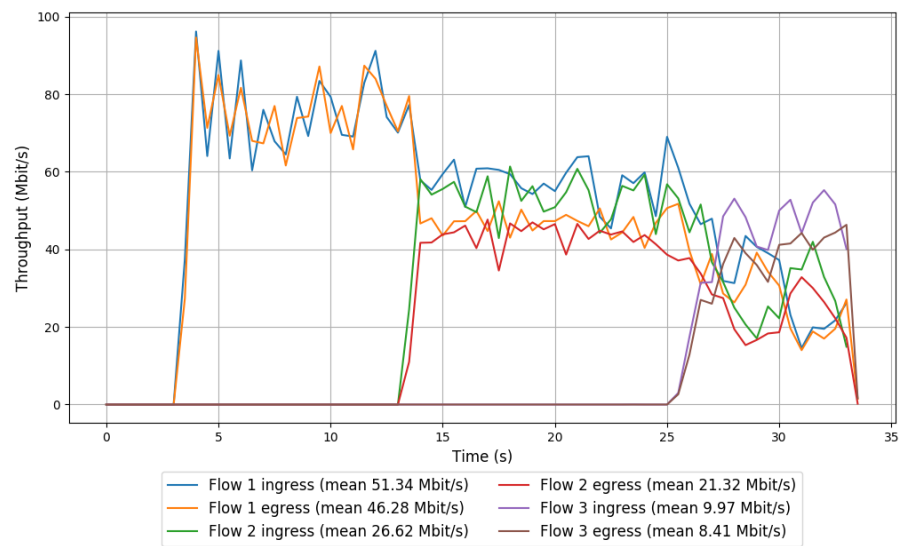
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 55.32 Mbit/s)
Flow 1 egress (mean 48.96 Mbit/s)
Flow 2 ingress (mean 18.59 Mbit/s)
Flow 2 egress (mean 14.74 Mbit/s)
Flow 3 ingress (mean 15.46 Mbit/s)
Flow 3 egress (mean 12.68 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 77.383 ms)
Flow 2 per-packet one-way delay (95th percentile 80.450 ms)
Flow 3 per-packet one-way delay (95th percentile 80.425 ms)

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

Start at: Sat, 01 Jul 2017 11:45:51 +0000
End at: Sat, 01 Jul 2017 11:46:21 +0000
Local clock offset: 0.307 ms
Remote clock offset: -8.128 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:55:42 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 78.548 ms
Loss rate: 13.56%
-- Flow 1:
Average throughput: 46.28 Mbit/s
95th percentile per-packet one-way delay: 76.404 ms
Loss rate: 9.88%
-- Flow 2:
Average throughput: 21.32 Mbit/s
95th percentile per-packet one-way delay: 80.847 ms
Loss rate: 19.90%
-- Flow 3:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 80.552 ms
Loss rate: 15.70%
```
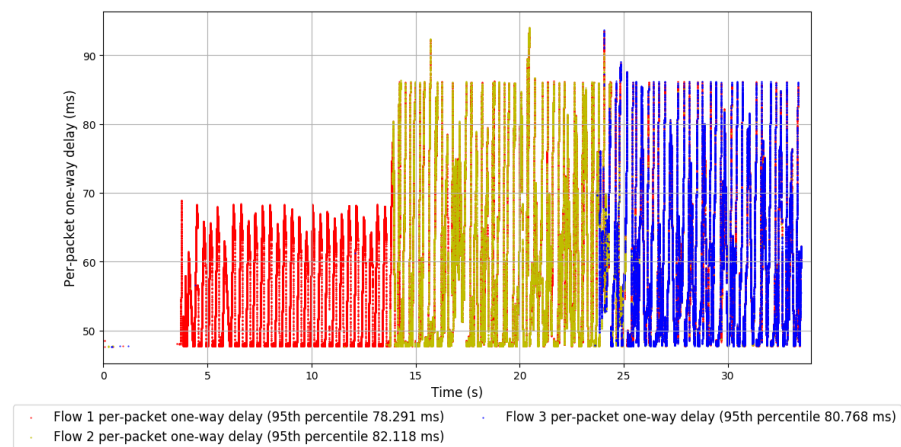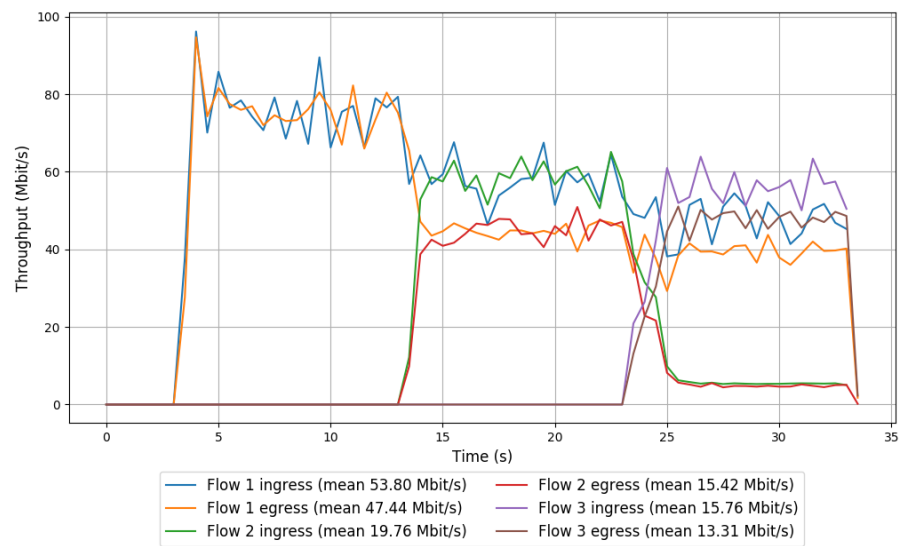
Run 8: Report of TaoVA-100x — Data Link

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

Start at: Sat, 01 Jul 2017 12:06:23 +0000
End at: Sat, 01 Jul 2017 12:06:53 +0000
Local clock offset: 0.476 ms
Remote clock offset: 1.752 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:56:01 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.95 Mbit/s
95th percentile per-packet one-way delay: 79.978 ms
Loss rate: 14.67%
-- Flow 1:
Average throughput: 47.44 Mbit/s
95th percentile per-packet one-way delay: 78.291 ms
Loss rate: 11.79%
-- Flow 2:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 82.118 ms
Loss rate: 21.90%
-- Flow 3:
Average throughput: 13.31 Mbit/s
95th percentile per-packet one-way delay: 80.768 ms
Loss rate: 15.54%
```
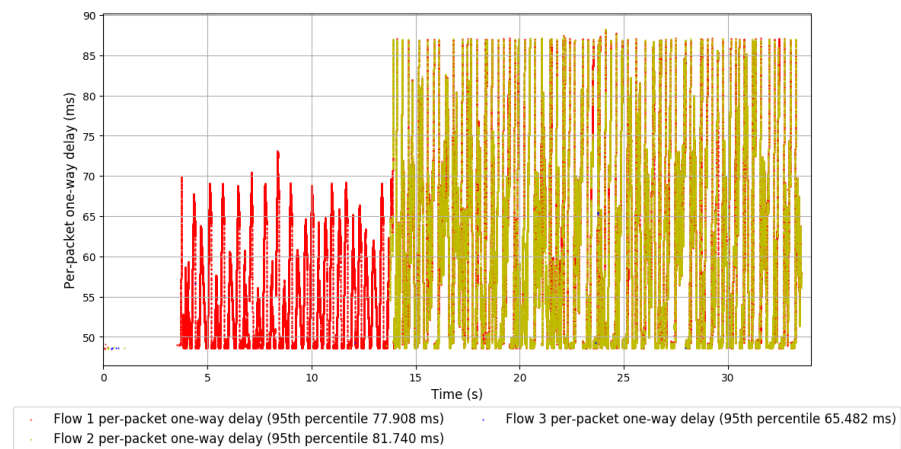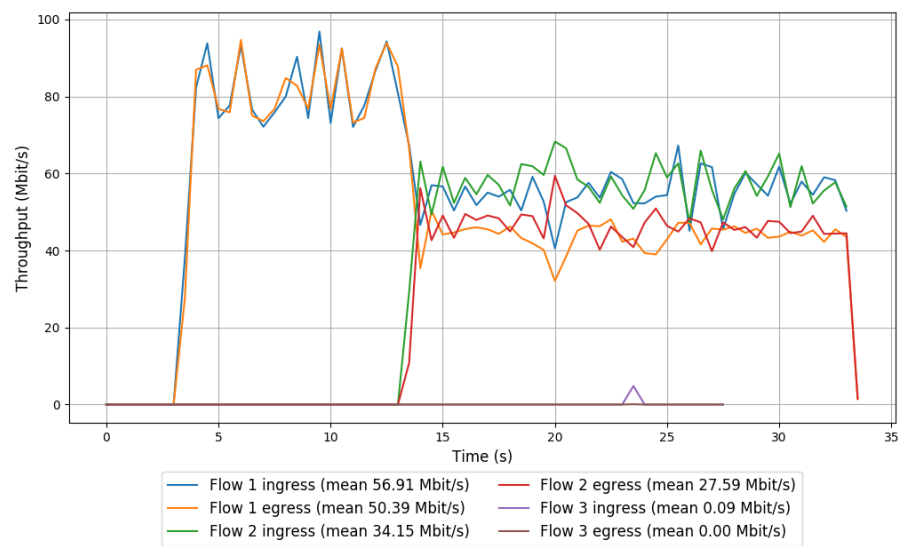
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 53.80 Mbit/s)
Flow 1 egress (mean 47.44 Mbit/s)
Flow 2 ingress (mean 19.76 Mbit/s)
Flow 2 egress (mean 15.42 Mbit/s)
Flow 3 ingress (mean 15.76 Mbit/s)
Flow 3 egress (mean 13.31 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 78.291 ms)
Flow 2 per-packet one-way delay (95th percentile 82.118 ms)
Flow 3 per-packet one-way delay (95th percentile 80.768 ms)

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

Start at: Sat, 01 Jul 2017 12:27:03 +0000
End at: Sat, 01 Jul 2017 12:27:33 +0000
Local clock offset: 0.626 ms
Remote clock offset: 1.057 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:56:05 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 79.875 ms
Loss rate: 14.40%
-- Flow 1:
Average throughput: 50.39 Mbit/s
95th percentile per-packet one-way delay: 77.908 ms
Loss rate: 11.43%
-- Flow 2:
Average throughput: 27.59 Mbit/s
95th percentile per-packet one-way delay: 81.740 ms
Loss rate: 19.18%
-- Flow 3:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 65.482 ms
Loss rate: 98.13%
```
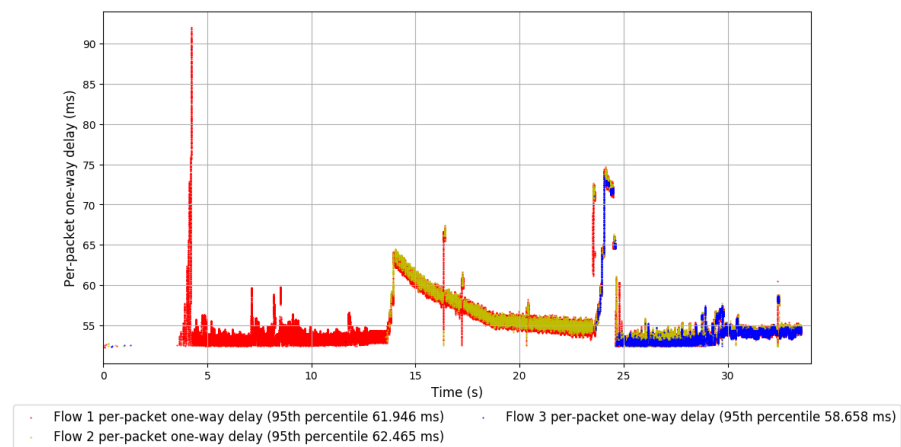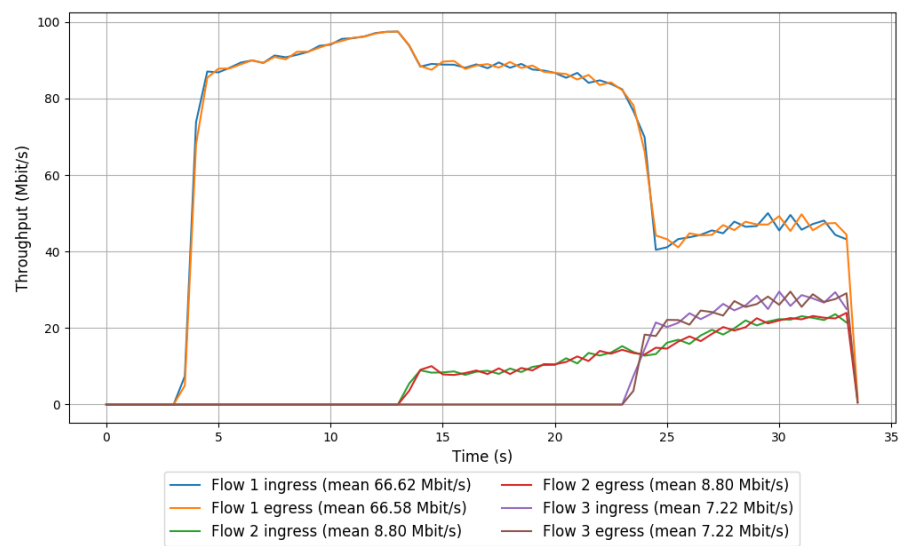
Run 10: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 56.91 Mbit/s)
Flow 1 egress (mean 50.39 Mbit/s)
Flow 2 ingress (mean 34.15 Mbit/s)
Flow 2 egress (mean 27.59 Mbit/s)
Flow 3 ingress (mean 0.09 Mbit/s)
Flow 3 egress (mean 0.00 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 77.908 ms)
Flow 2 per-packet one-way delay (95th percentile 81.740 ms)
Flow 3 per-packet one-way delay (95th percentile 65.482 ms)

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```
Run 1: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 09:15:13 +0000
End at: Sat, 01 Jul 2017 09:15:43 +0000
Local clock offset: -0.398 ms
Remote clock offset: -13.731 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:56:15 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.47 Mbit/s
95th percentile per-packet one-way delay: 61.973 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 66.58 Mbit/s
95th percentile per-packet one-way delay: 61.946 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 8.80 Mbit/s
95th percentile per-packet one-way delay: 62.465 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 58.658 ms
Loss rate: 0.00%
```
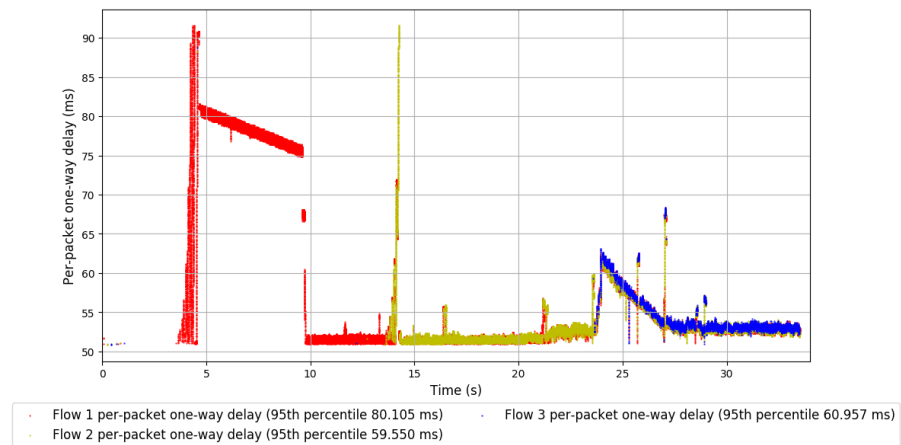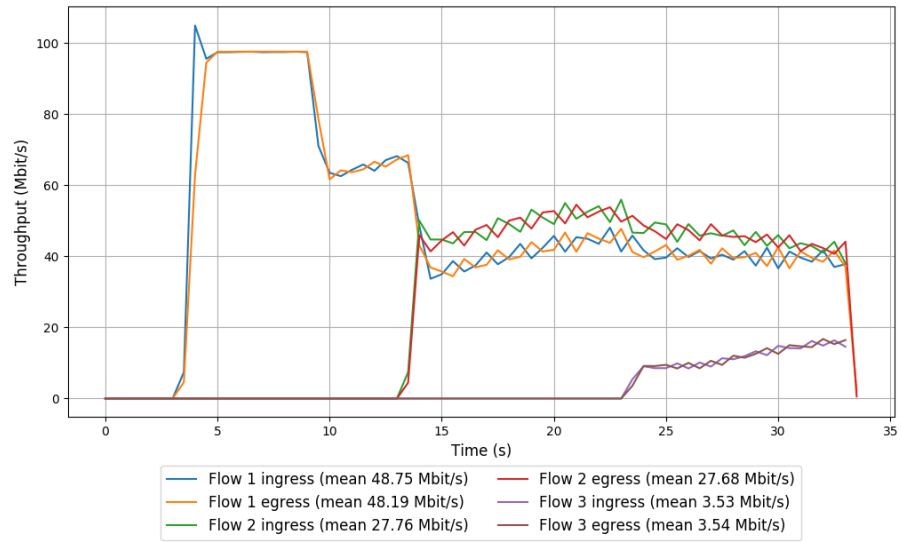
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 09:35:42 +0000
End at: Sat, 01 Jul 2017 09:36:12 +0000
Local clock offset: -0.256 ms
Remote clock offset: -12.197 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:56:17 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.21 Mbit/s
95th percentile per-packet one-way delay: 79.587 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 48.19 Mbit/s
95th percentile per-packet one-way delay: 80.105 ms
Loss rate: 1.15%
-- Flow 2:
Average throughput: 27.68 Mbit/s
95th percentile per-packet one-way delay: 59.550 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 60.957 ms
Loss rate: 0.01%
```
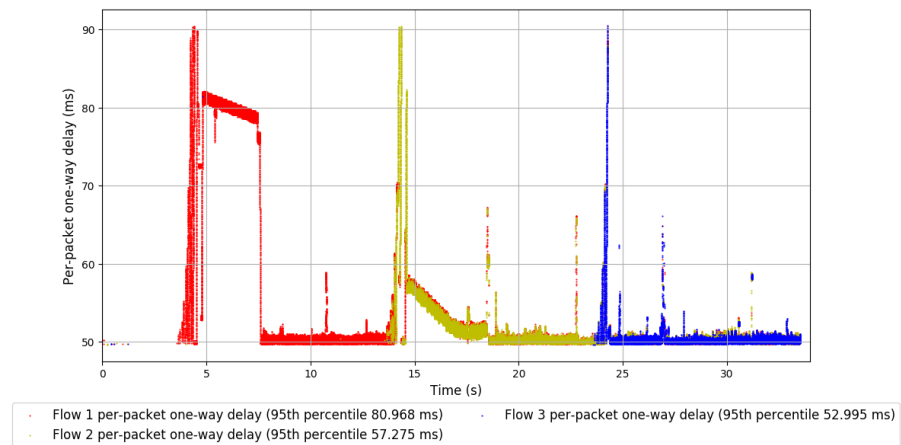
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 09:56:10 +0000
End at: Sat, 01 Jul 2017 09:56:40 +0000
Local clock offset: -0.235 ms
Remote clock offset: -11.195 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:56:23 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 80.522 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 33.84 Mbit/s
95th percentile per-packet one-way delay: 80.968 ms
Loss rate: 1.74%
-- Flow 2:
Average throughput: 18.49 Mbit/s
95th percentile per-packet one-way delay: 57.275 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 52.995 ms
Loss rate: 0.34%
```
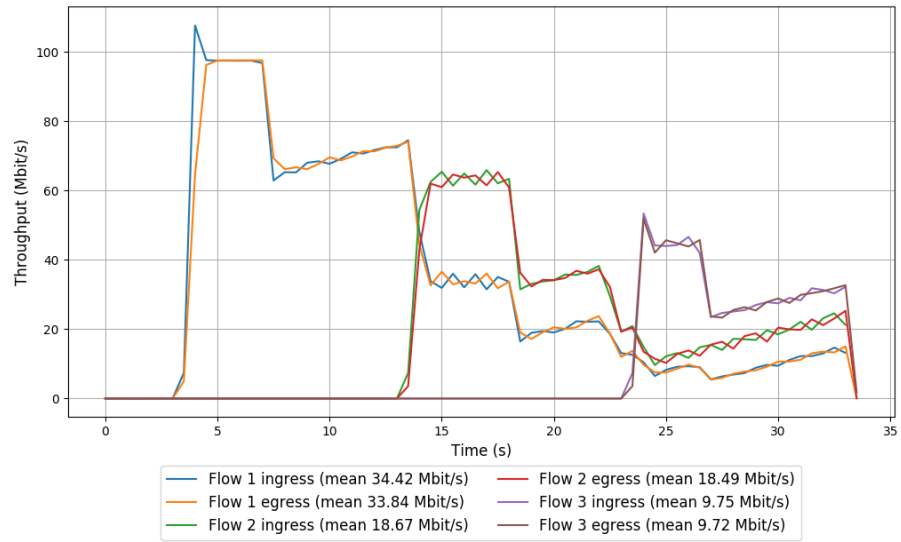
Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:16:35 +0000
End at: Sat, 01 Jul 2017 10:17:05 +0000
Local clock offset: -0.127 ms
Remote clock offset: -9.992 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:56:28 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.96 Mbit/s
95th percentile per-packet one-way delay: 77.298 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 46.86 Mbit/s
95th percentile per-packet one-way delay: 77.996 ms
Loss rate: 1.16%
-- Flow 2:
Average throughput: 26.50 Mbit/s
95th percentile per-packet one-way delay: 58.690 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 3.79 Mbit/s
95th percentile per-packet one-way delay: 57.768 ms
Loss rate: 0.00%
```
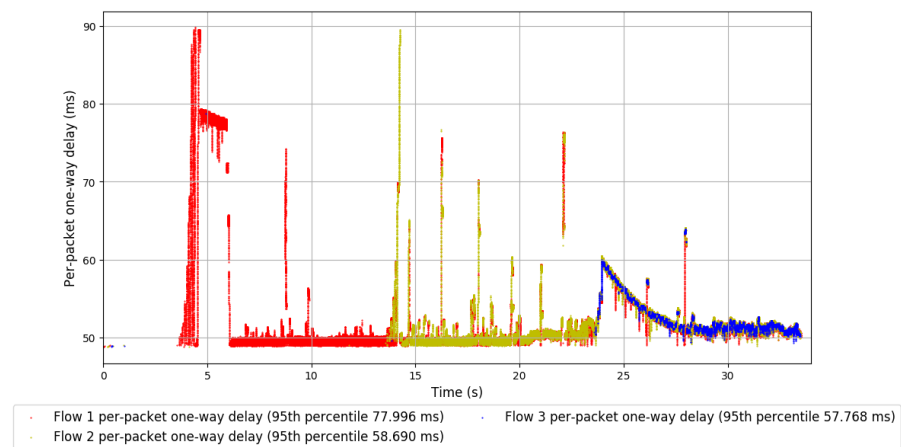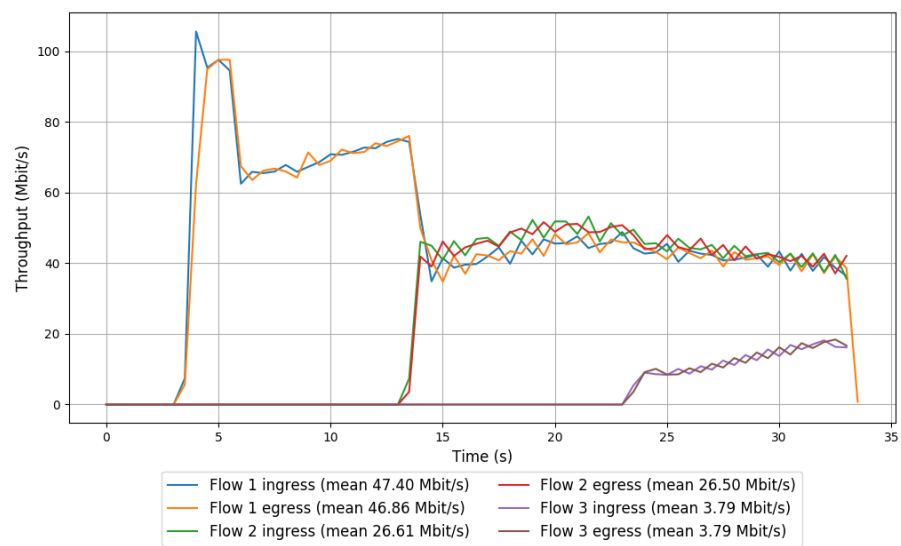
Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 47.40 Mbit/s)   Flow 2 egress (mean 26.50 Mbit/s)
Flow 1 egress (mean 46.86 Mbit/s)   Flow 3 ingress (mean 3.79 Mbit/s)
Flow 2 ingress (mean 26.61 Mbit/s)   Flow 3 egress (mean 3.79 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 77.996 ms)   Flow 3 per-packet one-way delay (95th percentile 57.768 ms)
Flow 2 per-packet one-way delay (95th percentile 58.690 ms)

```
Run 5: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:37:08 +0000
End at: Sat, 01 Jul 2017 10:37:38 +0000
Local clock offset: 0.062 ms
Remote clock offset: -9.183 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:56:38 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.60 Mbit/s
95th percentile per-packet one-way delay: 58.980 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 37.18 Mbit/s
95th percentile per-packet one-way delay: 58.195 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 41.09 Mbit/s
95th percentile per-packet one-way delay: 59.443 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 57.293 ms
Loss rate: 0.01%
```
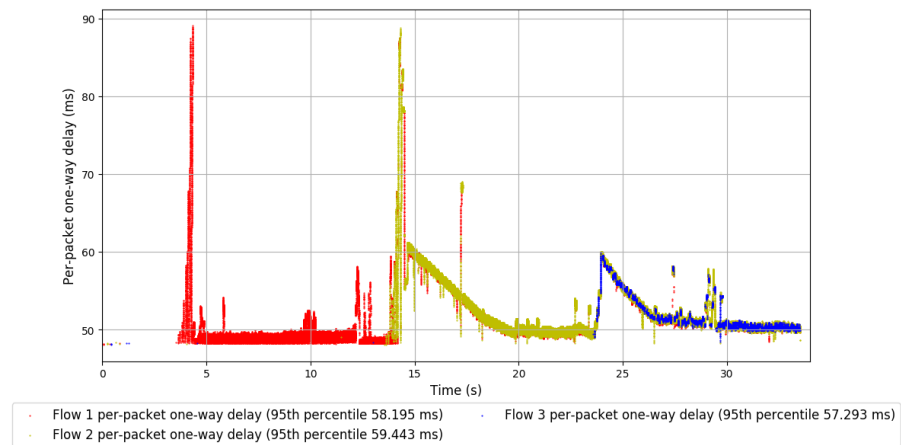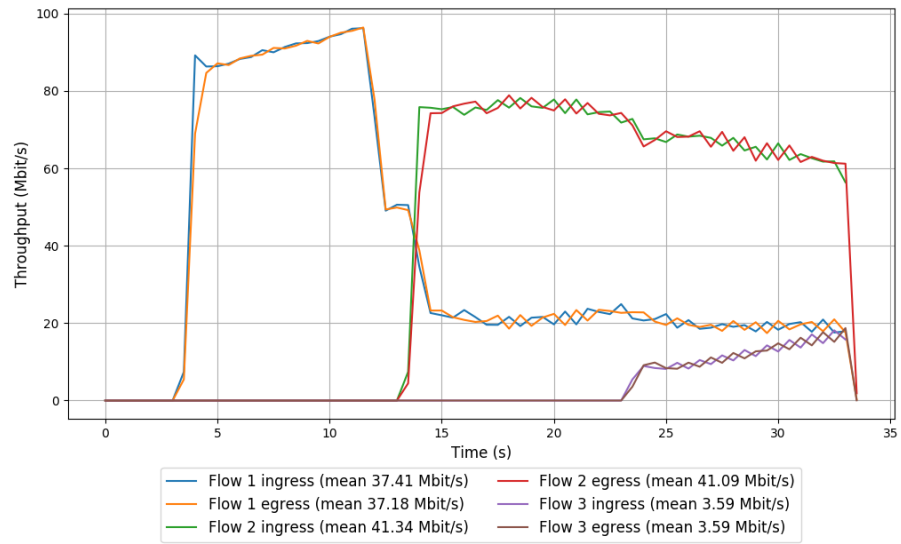
Run 5: Report of TCP Vegas — Data Link

```
Run 6: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:57:43 +0000
End at: Sat, 01 Jul 2017 10:58:13 +0000
Local clock offset: 0.062 ms
Remote clock offset: -8.469 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:56:39 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.57 Mbit/s
95th percentile per-packet one-way delay: 75.793 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 33.51 Mbit/s
95th percentile per-packet one-way delay: 75.882 ms
Loss rate: 1.35%
-- Flow 2:
Average throughput: 35.71 Mbit/s
95th percentile per-packet one-way delay: 76.009 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 71.727 ms
Loss rate: 0.00%
```
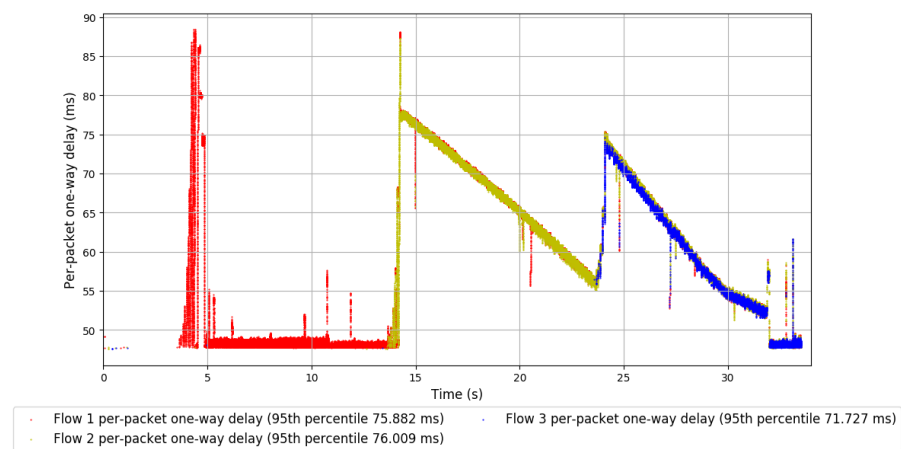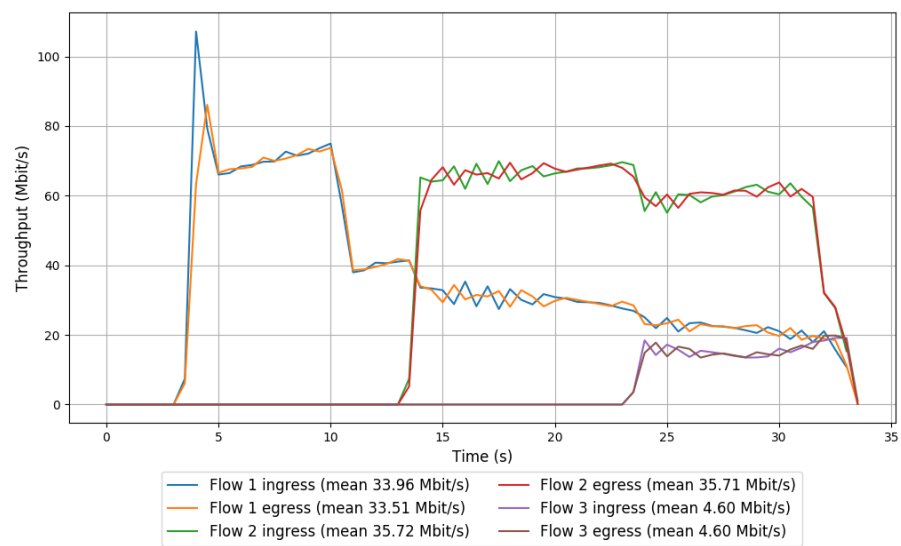
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 33.96 Mbit/s)   Flow 2 egress (mean 35.71 Mbit/s)
Flow 1 egress (mean 33.51 Mbit/s)   Flow 3 ingress (mean 4.60 Mbit/s)
Flow 2 ingress (mean 35.72 Mbit/s)   Flow 3 egress (mean 4.60 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 75.882 ms)   · Flow 3 per-packet one-way delay (95th percentile 71.727 ms)
- Flow 2 per-packet one-way delay (95th percentile 76.009 ms)

```
Run 7: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 11:18:19 +0000
End at: Sat, 01 Jul 2017 11:18:49 +0000
Local clock offset: 0.28 ms
Remote clock offset: -6.633 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:56:49 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 78.097 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 41.86 Mbit/s
95th percentile per-packet one-way delay: 78.788 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 57.148 ms
Loss rate: 0.38%
-- Flow 3:
Average throughput: 3.58 Mbit/s
95th percentile per-packet one-way delay: 57.090 ms
Loss rate: 0.01%
```
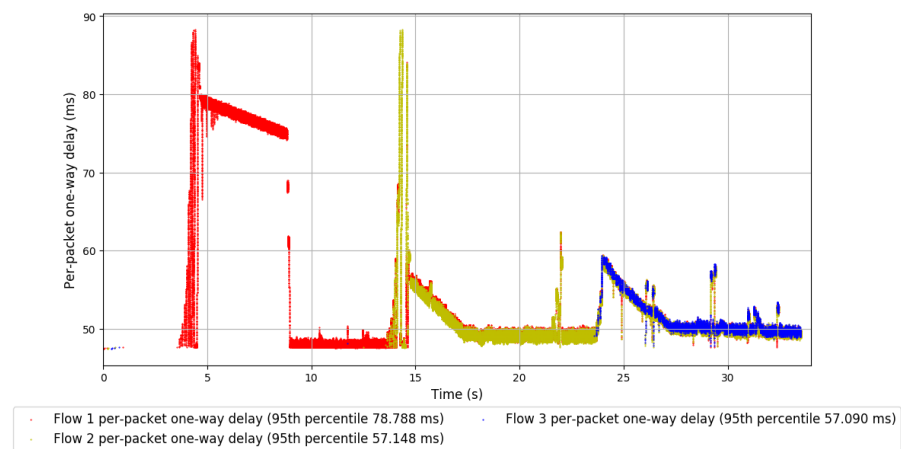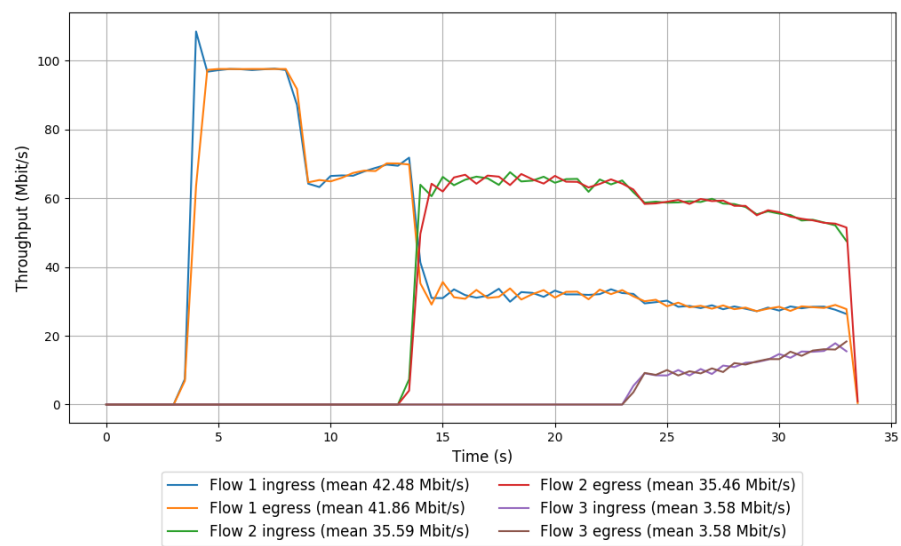
Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 11:38:57 +0000
End at: Sat, 01 Jul 2017 11:39:27 +0000
Local clock offset: 0.255 ms
Remote clock offset: -8.164 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:56:50 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.62 Mbit/s
95th percentile per-packet one-way delay: 56.087 ms
Loss rate: 1.56%
-- Flow 1:
Average throughput: 37.41 Mbit/s
95th percentile per-packet one-way delay: 56.418 ms
Loss rate: 1.49%
-- Flow 2:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 51.193 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 61.369 ms
Loss rate: 2.46%
```
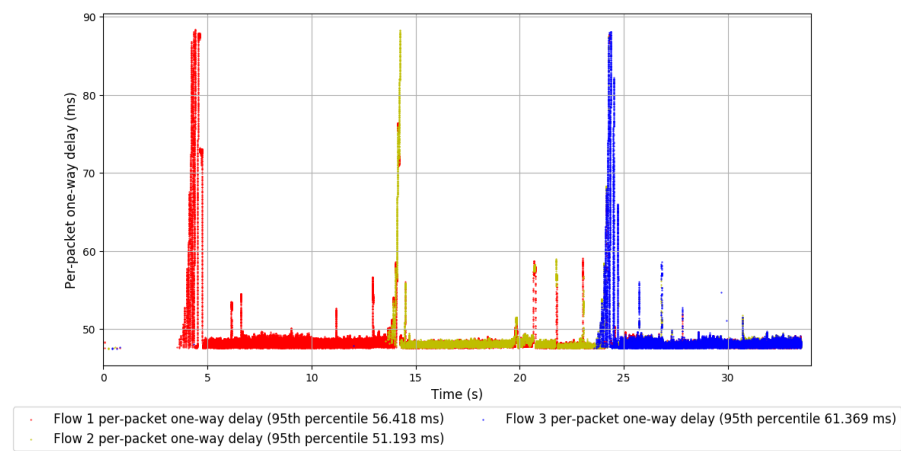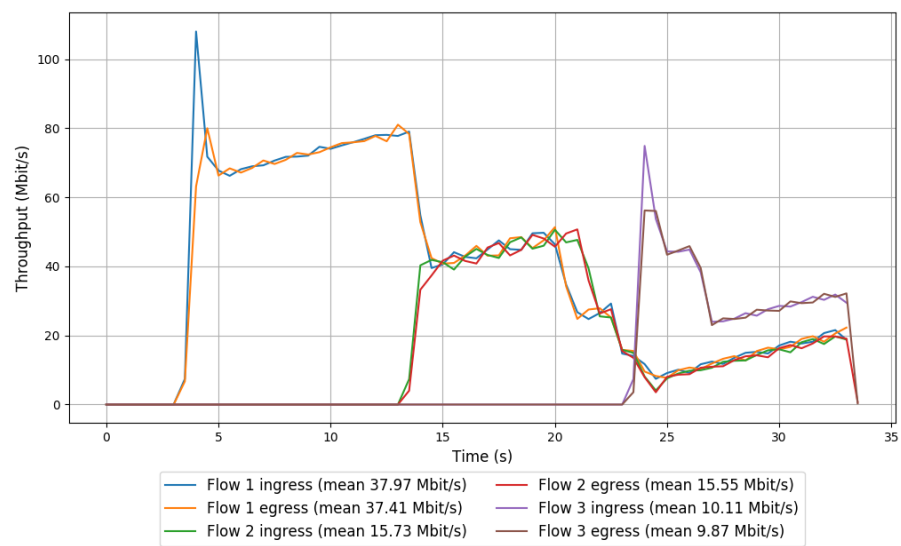
Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 11:59:31 +0000
End at: Sat, 01 Jul 2017 12:00:01 +0000
Local clock offset: 0.437 ms
Remote clock offset: 1.352 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:02 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 76.797 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 66.22 Mbit/s
95th percentile per-packet one-way delay: 77.028 ms
Loss rate: 0.83%
-- Flow 2:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 65.163 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 4.74 Mbit/s
95th percentile per-packet one-way delay: 65.686 ms
Loss rate: 0.00%
```
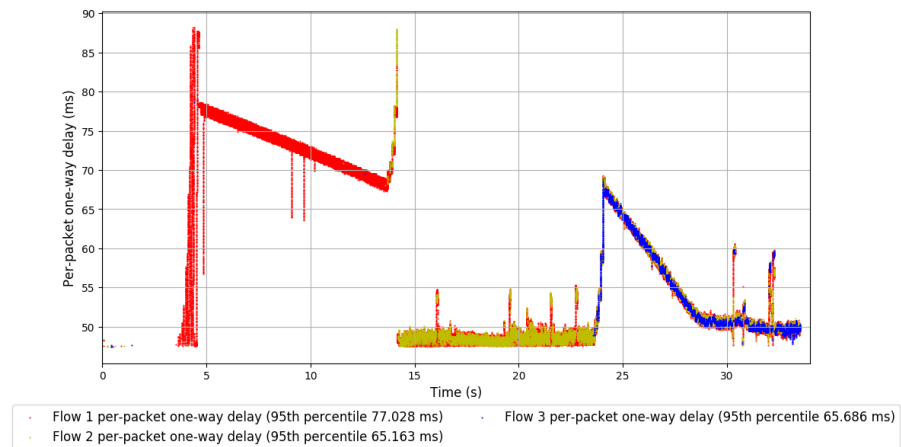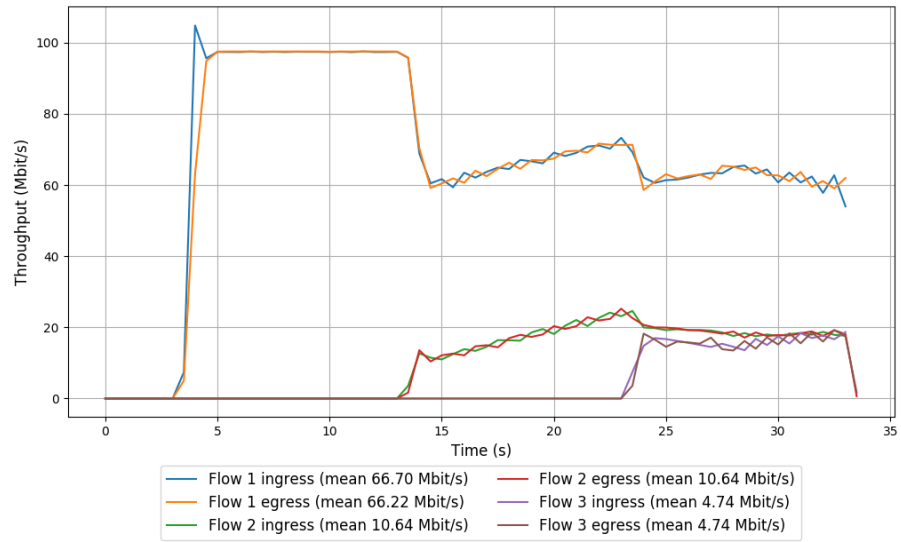
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 66.70 Mbit/s)
Flow 1 egress (mean 66.22 Mbit/s)
Flow 2 ingress (mean 10.64 Mbit/s)
Flow 2 egress (mean 10.64 Mbit/s)
Flow 3 ingress (mean 4.74 Mbit/s)
Flow 3 egress (mean 4.74 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 77.028 ms)
Flow 2 per-packet one-way delay (95th percentile 65.163 ms)
Flow 3 per-packet one-way delay (95th percentile 65.686 ms)

```
Run 10: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 12:20:08 +0000
End at: Sat, 01 Jul 2017 12:20:38 +0000
Local clock offset: 0.461 ms
Remote clock offset: 0.881 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:02 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.90 Mbit/s
95th percentile per-packet one-way delay: 56.989 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 26.04 Mbit/s
95th percentile per-packet one-way delay: 53.183 ms
Loss rate: 1.58%
-- Flow 2:
Average throughput: 18.27 Mbit/s
95th percentile per-packet one-way delay: 56.642 ms
Loss rate: 1.45%
-- Flow 3:
Average throughput: 21.93 Mbit/s
95th percentile per-packet one-way delay: 57.765 ms
Loss rate: 1.04%
```
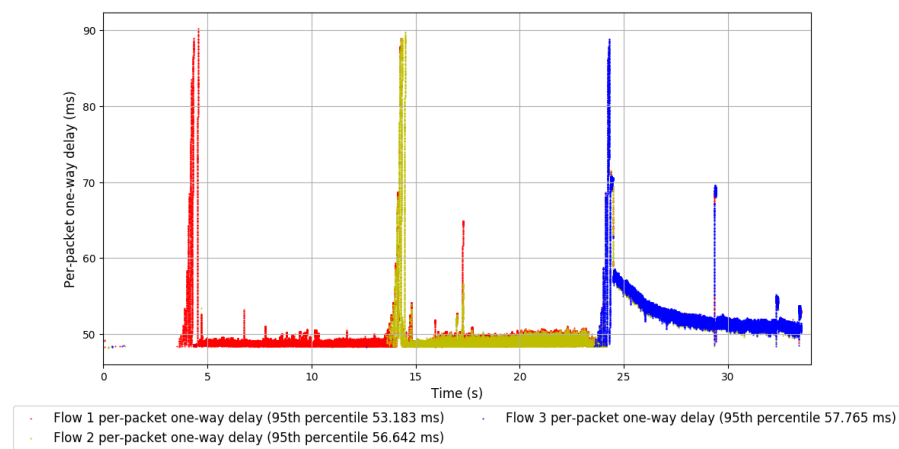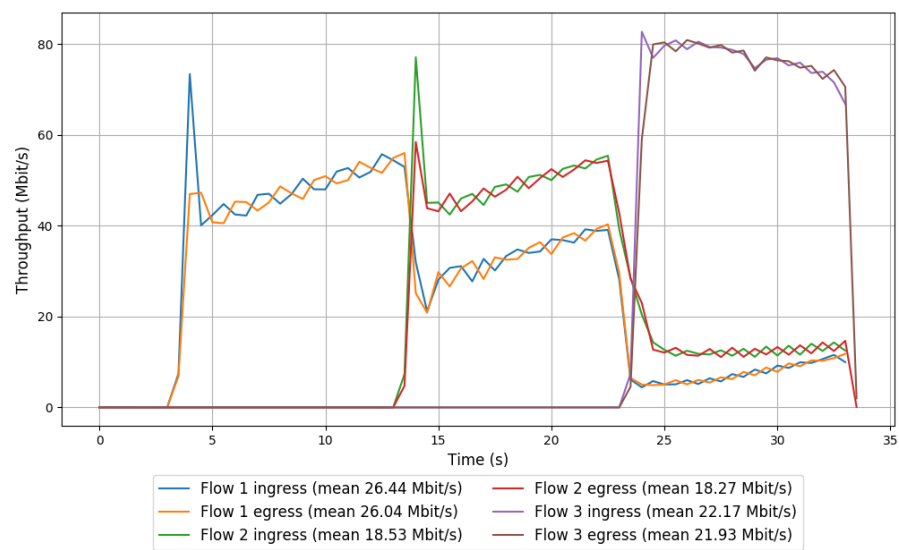
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:09:44 +0000
End at: Sat, 01 Jul 2017 09:10:14 +0000
Local clock offset: -0.307 ms
Remote clock offset: -11.767 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:07 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.65 Mbit/s
95th percentile per-packet one-way delay: 89.559 ms
Loss rate: 39.22%
-- Flow 1:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 90.014 ms
Loss rate: 41.89%
-- Flow 2:
Average throughput: 12.92 Mbit/s
95th percentile per-packet one-way delay: 89.192 ms
Loss rate: 35.36%
-- Flow 3:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 87.412 ms
Loss rate: 30.57%
```
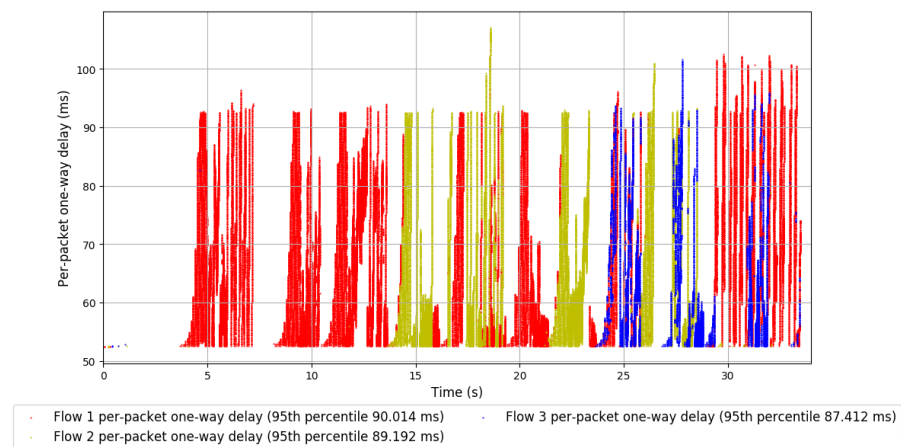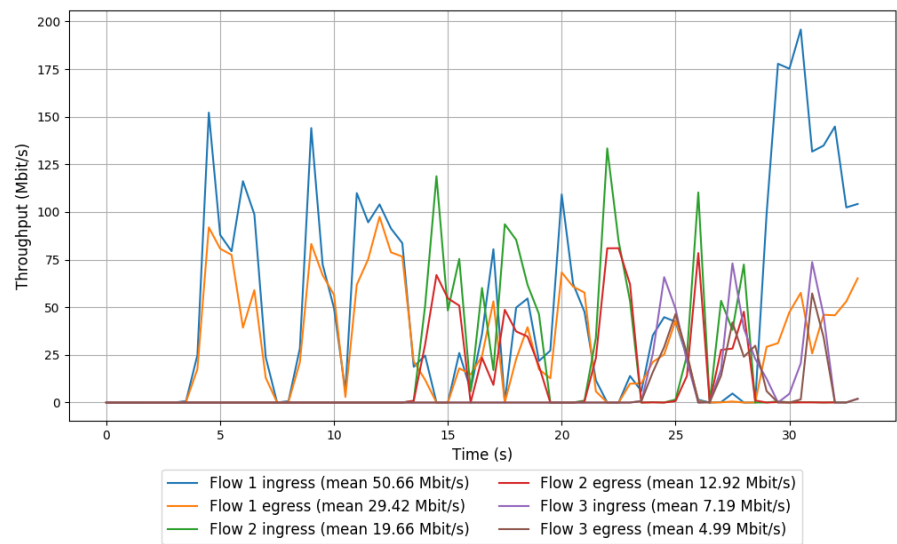
Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 50.66 Mbit/s)   Flow 2 egress (mean 12.92 Mbit/s)
Flow 1 egress (mean 29.42 Mbit/s)   Flow 3 ingress (mean 7.19 Mbit/s)
Flow 2 ingress (mean 19.66 Mbit/s)   Flow 3 egress (mean 4.99 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 90.014 ms)   Flow 3 per-packet one-way delay (95th percentile 87.412 ms)
Flow 2 per-packet one-way delay (95th percentile 89.192 ms)

265

```
Run 2: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:30:17 +0000
End at: Sat, 01 Jul 2017 09:30:47 +0000
Local clock offset: -0.285 ms
Remote clock offset: -12.628 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:13 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.96 Mbit/s
95th percentile per-packet one-way delay: 89.487 ms
Loss rate: 46.44%
-- Flow 1:
Average throughput: 52.07 Mbit/s
95th percentile per-packet one-way delay: 89.527 ms
Loss rate: 47.30%
-- Flow 2:
Average throughput: 5.88 Mbit/s
95th percentile per-packet one-way delay: 88.972 ms
Loss rate: 37.15%
-- Flow 3:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 79.105 ms
Loss rate: 56.23%
```
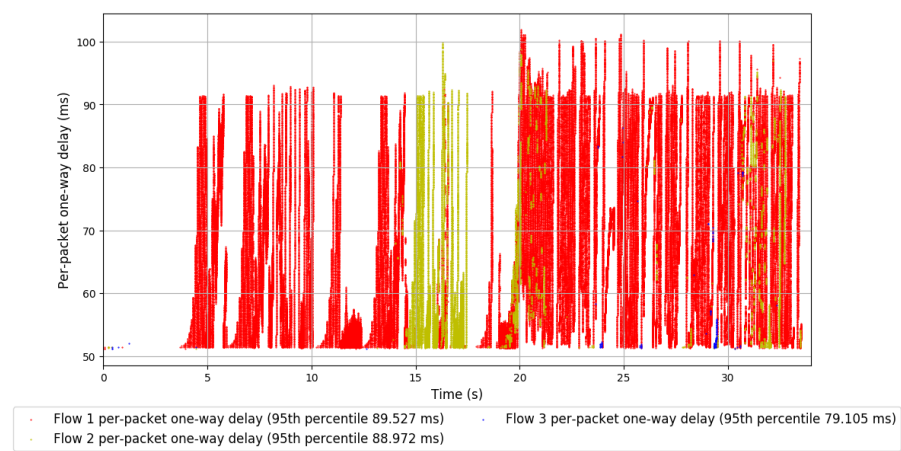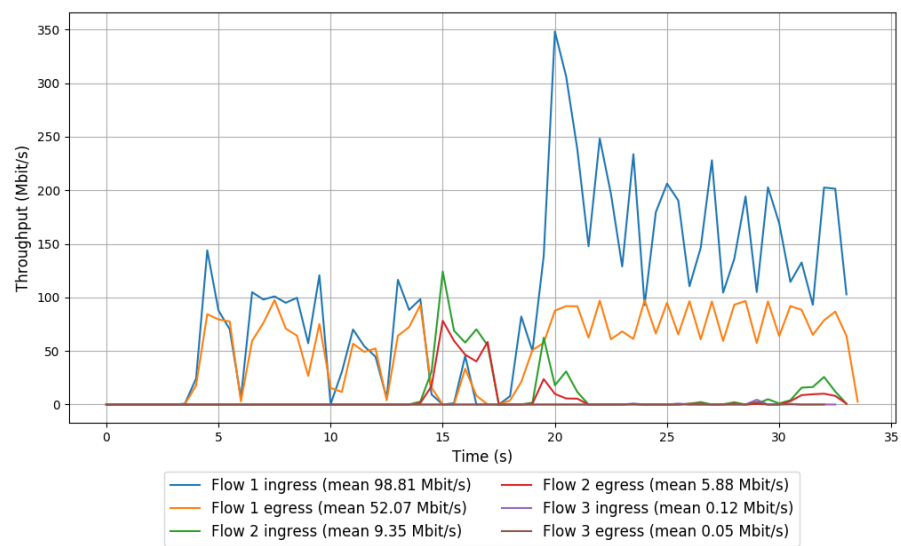
Run 2: Report of Verus — Data Link

Flow 1 ingress (mean 98.81 Mbit/s)
Flow 1 egress (mean 52.07 Mbit/s)
Flow 2 ingress (mean 9.35 Mbit/s)
Flow 2 egress (mean 5.88 Mbit/s)
Flow 3 ingress (mean 0.12 Mbit/s)
Flow 3 egress (mean 0.05 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 89.527 ms)
Flow 2 per-packet one-way delay (95th percentile 88.972 ms)
Flow 3 per-packet one-way delay (95th percentile 79.105 ms)

```
Run 3: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:50:46 +0000
End at: Sat, 01 Jul 2017 09:51:16 +0000
Local clock offset: -0.183 ms
Remote clock offset: -9.101 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:18 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.33 Mbit/s
95th percentile per-packet one-way delay: 88.072 ms
Loss rate: 48.64%
-- Flow 1:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 87.395 ms
Loss rate: 44.71%
-- Flow 2:
Average throughput: 21.71 Mbit/s
95th percentile per-packet one-way delay: 89.135 ms
Loss rate: 54.94%
-- Flow 3:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 85.770 ms
Loss rate: 29.26%
```
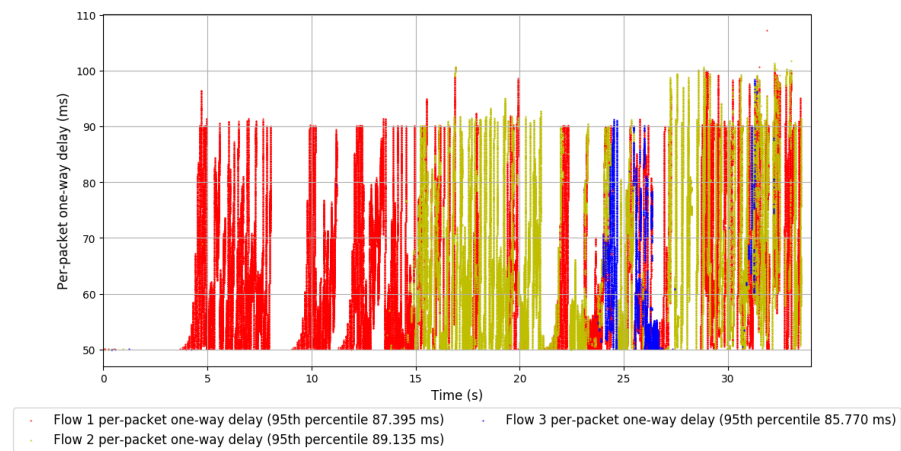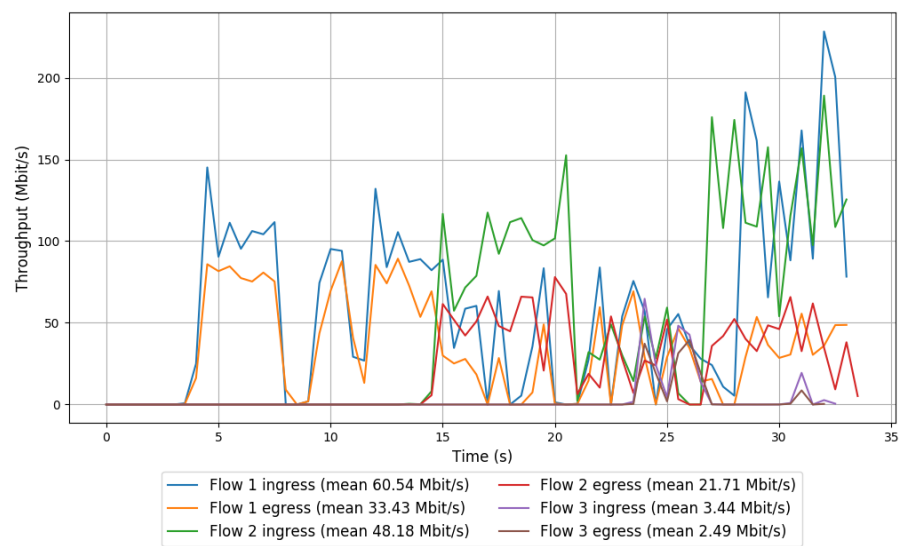
Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 60.54 Mbit/s)
Flow 1 egress (mean 33.43 Mbit/s)
Flow 2 ingress (mean 48.18 Mbit/s)
Flow 2 egress (mean 21.71 Mbit/s)
Flow 3 ingress (mean 3.44 Mbit/s)
Flow 3 egress (mean 2.49 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 87.395 ms)
Flow 2 per-packet one-way delay (95th percentile 89.135 ms)
Flow 3 per-packet one-way delay (95th percentile 85.770 ms)

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```
Run 4: Statistics of Verus

Start at: Sat, 01 Jul 2017 10:11:07 +0000
End at: Sat, 01 Jul 2017 10:11:37 +0000
Local clock offset: -0.137 ms
Remote clock offset: -7.613 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:22 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.27 Mbit/s
95th percentile per-packet one-way delay: 86.522 ms
Loss rate: 43.92%
-- Flow 1:
Average throughput: 33.31 Mbit/s
95th percentile per-packet one-way delay: 85.611 ms
Loss rate: 37.42%
-- Flow 2:
Average throughput: 7.26 Mbit/s
95th percentile per-packet one-way delay: 90.044 ms
Loss rate: 65.76%
-- Flow 3:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 85.573 ms
Loss rate: 34.17%
```
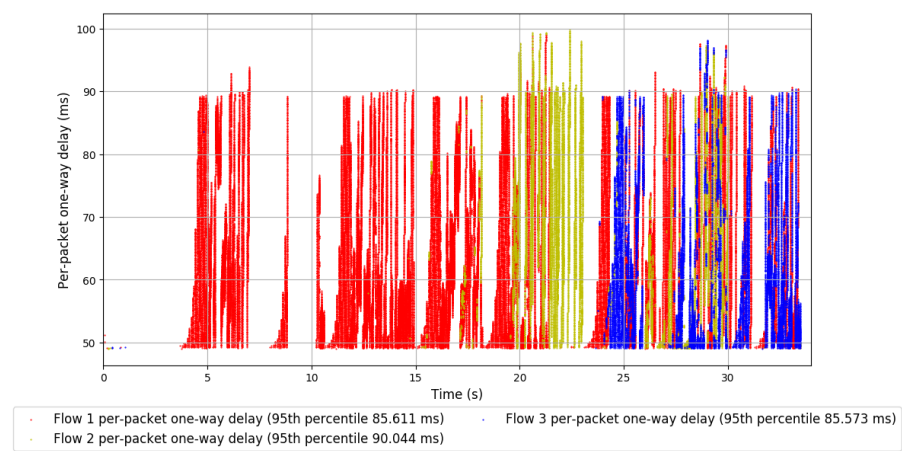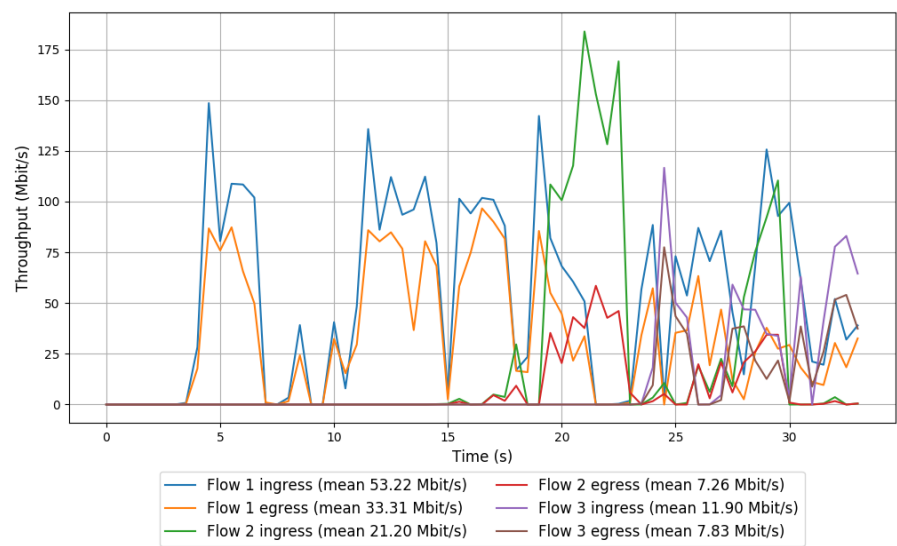
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: Sat, 01 Jul 2017 10:31:41 +0000
End at: Sat, 01 Jul 2017 10:32:11 +0000
Local clock offset: -0.065 ms
Remote clock offset: -6.675 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:27 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 50.76 Mbit/s
95th percentile per-packet one-way delay: 84.174 ms
Loss rate: 29.56%
-- Flow 1:
Average throughput: 34.13 Mbit/s
95th percentile per-packet one-way delay: 83.008 ms
Loss rate: 23.14%
-- Flow 2:
Average throughput: 11.69 Mbit/s
95th percentile per-packet one-way delay: 84.727 ms
Loss rate: 28.58%
-- Flow 3:
Average throughput: 6.96 Mbit/s
95th percentile per-packet one-way delay: 87.086 ms
Loss rate: 50.25%
```
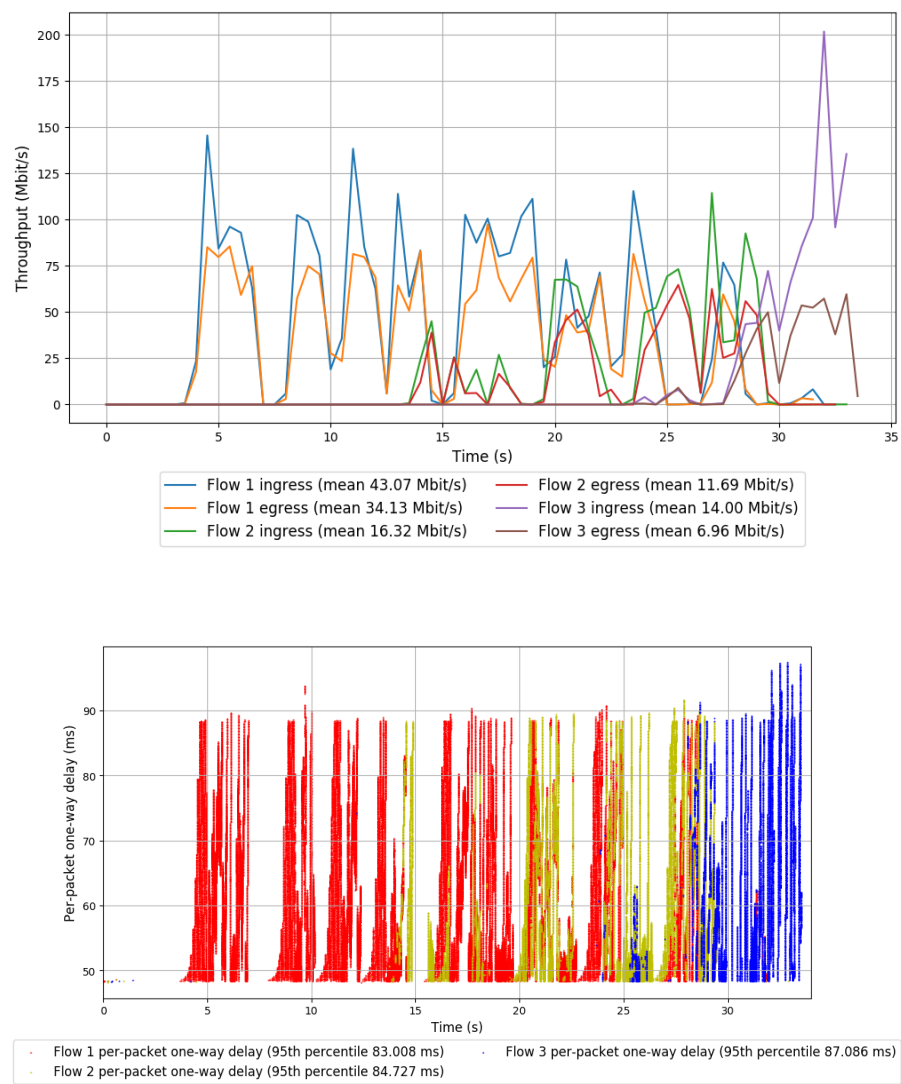
Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 43.07 Mbit/s)
Flow 1 egress (mean 34.13 Mbit/s)
Flow 2 ingress (mean 16.32 Mbit/s)
Flow 2 egress (mean 11.69 Mbit/s)
Flow 3 ingress (mean 14.00 Mbit/s)
Flow 3 egress (mean 6.96 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 83.008 ms)
Flow 2 per-packet one-way delay (95th percentile 84.727 ms)
Flow 3 per-packet one-way delay (95th percentile 87.086 ms)

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```
Run 6: Statistics of Verus

Start at: Sat, 01 Jul 2017 10:52:12 +0000
End at: Sat, 01 Jul 2017 10:52:42 +0000
Local clock offset: 0.092 ms
Remote clock offset: -6.587 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:31 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 54.22 Mbit/s
95th percentile per-packet one-way delay: 83.423 ms
Loss rate: 28.29%
-- Flow 1:
Average throughput: 29.98 Mbit/s
95th percentile per-packet one-way delay: 82.174 ms
Loss rate: 22.69%
-- Flow 2:
Average throughput: 18.59 Mbit/s
95th percentile per-packet one-way delay: 83.919 ms
Loss rate: 29.88%
-- Flow 3:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 85.463 ms
Loss rate: 45.05%
```
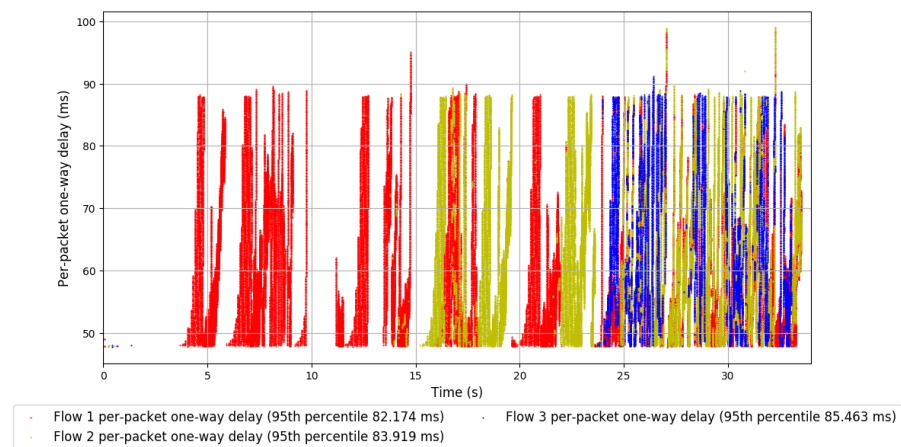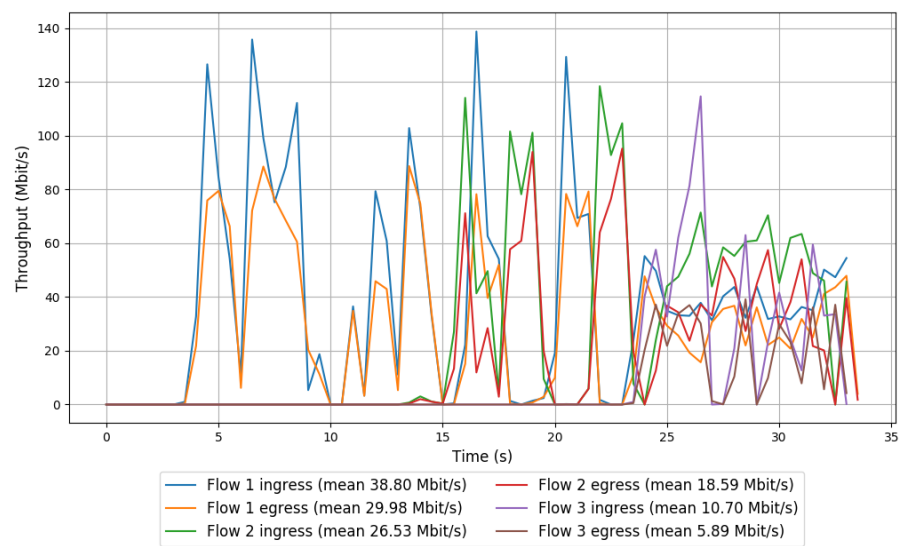
Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 38.80 Mbit/s)
Flow 1 egress (mean 29.98 Mbit/s)
Flow 2 ingress (mean 26.53 Mbit/s)
Flow 2 egress (mean 18.59 Mbit/s)
Flow 3 ingress (mean 10.70 Mbit/s)
Flow 3 egress (mean 5.89 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 82.174 ms)
Flow 2 per-packet one-way delay (95th percentile 83.919 ms)
Flow 3 per-packet one-way delay (95th percentile 85.463 ms)

275

```
Run 7: Statistics of Verus

Start at: Sat, 01 Jul 2017 11:12:52 +0000
End at: Sat, 01 Jul 2017 11:13:22 +0000
Local clock offset: 0.166 ms
Remote clock offset: -6.65 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:37 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.73 Mbit/s
95th percentile per-packet one-way delay: 83.423 ms
Loss rate: 31.95%
-- Flow 1:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 82.683 ms
Loss rate: 27.11%
-- Flow 2:
Average throughput: 21.14 Mbit/s
95th percentile per-packet one-way delay: 84.145 ms
Loss rate: 36.50%
-- Flow 3:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 84.937 ms
Loss rate: 40.77%
```
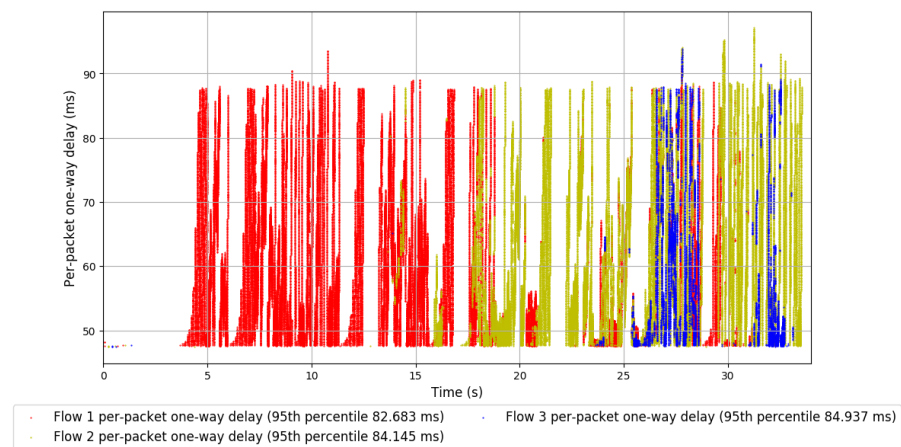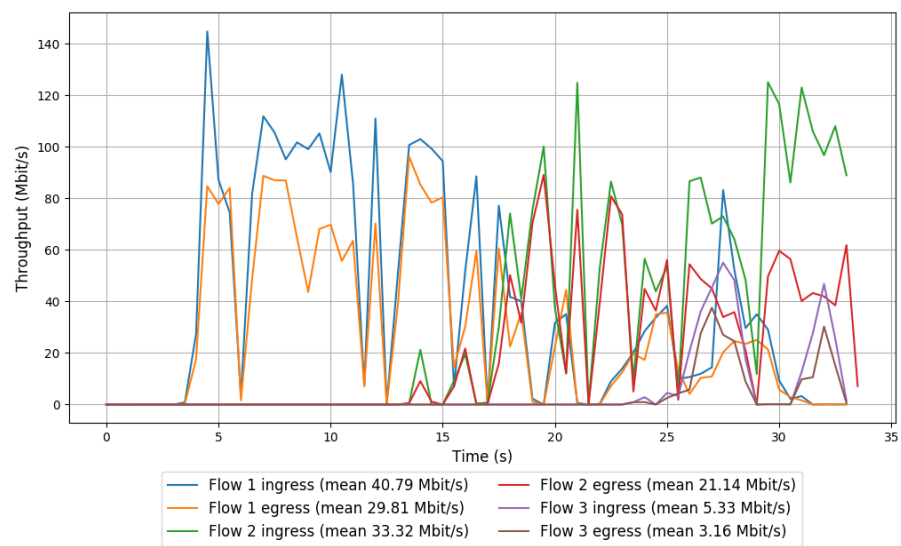
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: Sat, 01 Jul 2017 11:33:27 +0000
End at: Sat, 01 Jul 2017 11:33:57 +0000
Local clock offset: 0.341 ms
Remote clock offset: -8.529 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:42 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.93 Mbit/s
95th percentile per-packet one-way delay: 87.683 ms
Loss rate: 63.46%
-- Flow 1:
Average throughput: 39.94 Mbit/s
95th percentile per-packet one-way delay: 88.222 ms
Loss rate: 66.29%
-- Flow 2:
Average throughput: 5.28 Mbit/s
95th percentile per-packet one-way delay: 83.089 ms
Loss rate: 26.94%
-- Flow 3:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 84.635 ms
Loss rate: 37.32%
```
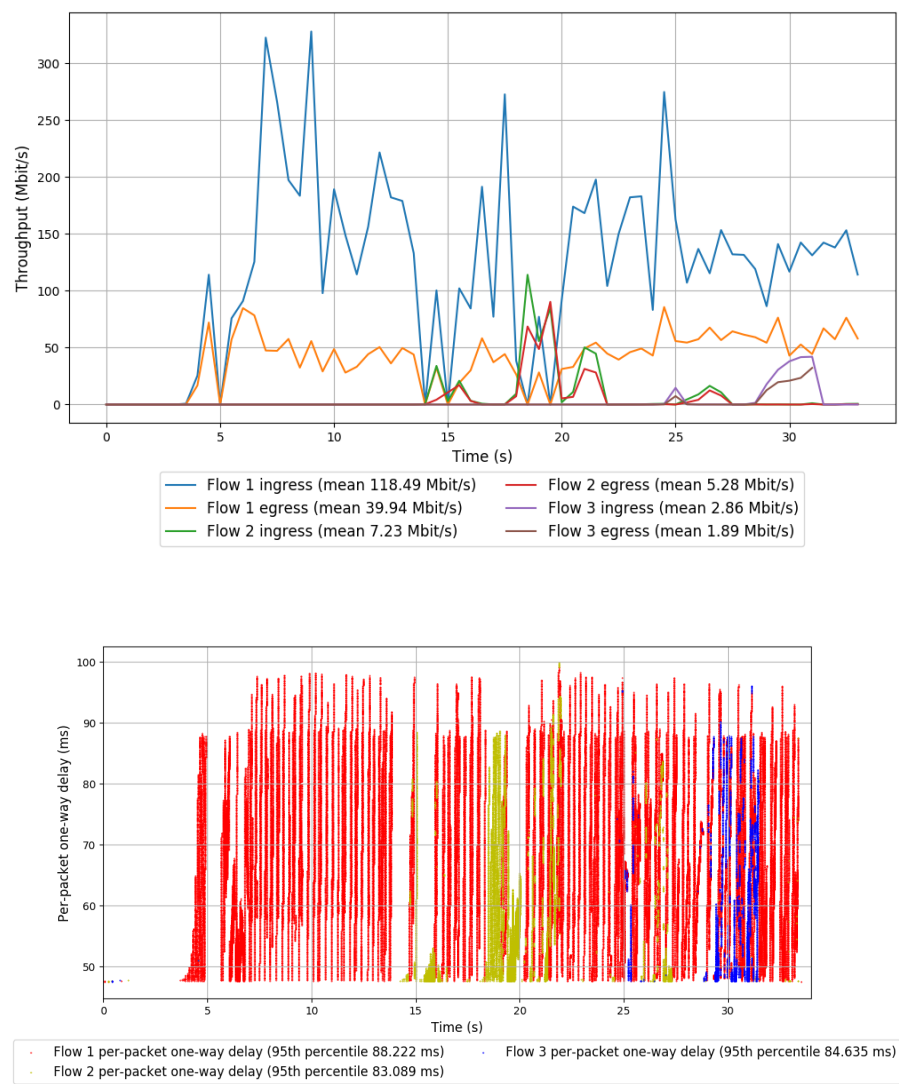
Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 118.49 Mbit/s)   Flow 2 egress (mean 5.28 Mbit/s)
Flow 1 egress (mean 39.94 Mbit/s)   Flow 3 ingress (mean 2.86 Mbit/s)
Flow 2 ingress (mean 7.23 Mbit/s)   Flow 3 egress (mean 1.89 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 88.222 ms)   Flow 3 per-packet one-way delay (95th percentile 84.635 ms)
Flow 2 per-packet one-way delay (95th percentile 83.089 ms)

```
Run 9: Statistics of Verus

Start at: Sat, 01 Jul 2017 11:54:03 +0000
End at: Sat, 01 Jul 2017 11:54:33 +0000
Local clock offset: 0.408 ms
Remote clock offset: 1.109 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:47 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 52.60 Mbit/s
95th percentile per-packet one-way delay: 87.169 ms
Loss rate: 57.97%
-- Flow 1:
Average throughput: 40.12 Mbit/s
95th percentile per-packet one-way delay: 87.048 ms
Loss rate: 57.65%
-- Flow 2:
Average throughput: 5.51 Mbit/s
95th percentile per-packet one-way delay: 85.878 ms
Loss rate: 53.26%
-- Flow 3:
Average throughput: 7.12 Mbit/s
95th percentile per-packet one-way delay: 89.041 ms
Loss rate: 62.46%
```
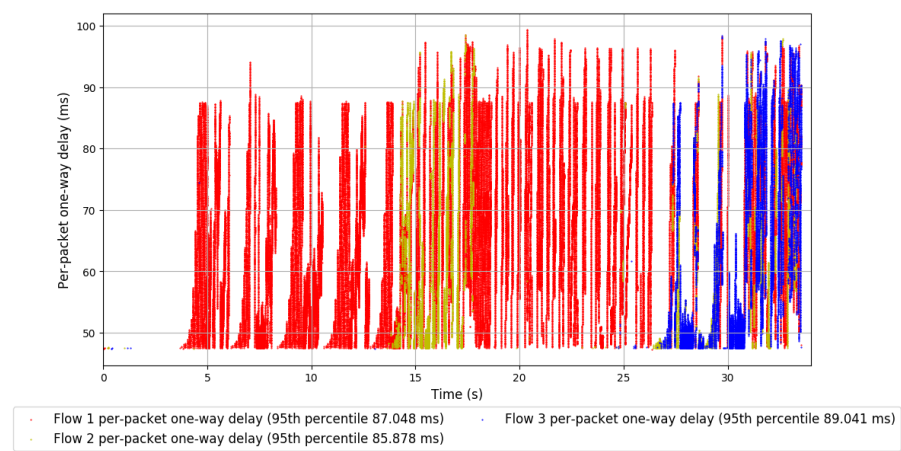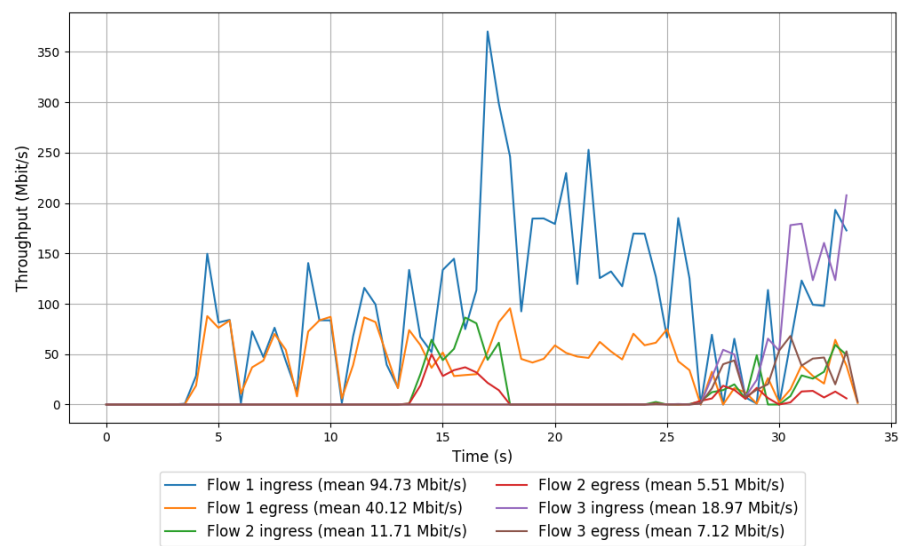
Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 94.73 Mbit/s)   Flow 2 egress (mean 5.51 Mbit/s)
Flow 1 egress (mean 40.12 Mbit/s)   Flow 3 ingress (mean 18.97 Mbit/s)
Flow 2 ingress (mean 11.71 Mbit/s)   Flow 3 egress (mean 7.12 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 87.048 ms)   Flow 3 per-packet one-way delay (95th percentile 89.041 ms)
Flow 2 per-packet one-way delay (95th percentile 85.878 ms)

```
Run 10: Statistics of Verus

Start at: Sat, 01 Jul 2017 12:14:37 +0000
End at: Sat, 01 Jul 2017 12:15:07 +0000
Local clock offset: 0.54 ms
Remote clock offset: 0.934 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 48.54 Mbit/s
95th percentile per-packet one-way delay: 86.743 ms
Loss rate: 53.20%
-- Flow 1:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 86.202 ms
Loss rate: 50.61%
-- Flow 2:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 83.817 ms
Loss rate: 40.82%
-- Flow 3:
Average throughput: 10.67 Mbit/s
95th percentile per-packet one-way delay: 89.652 ms
Loss rate: 64.39%
```
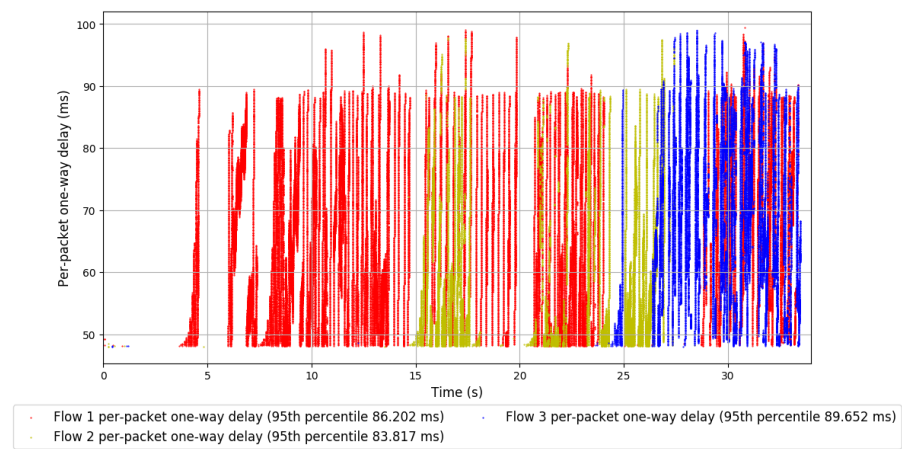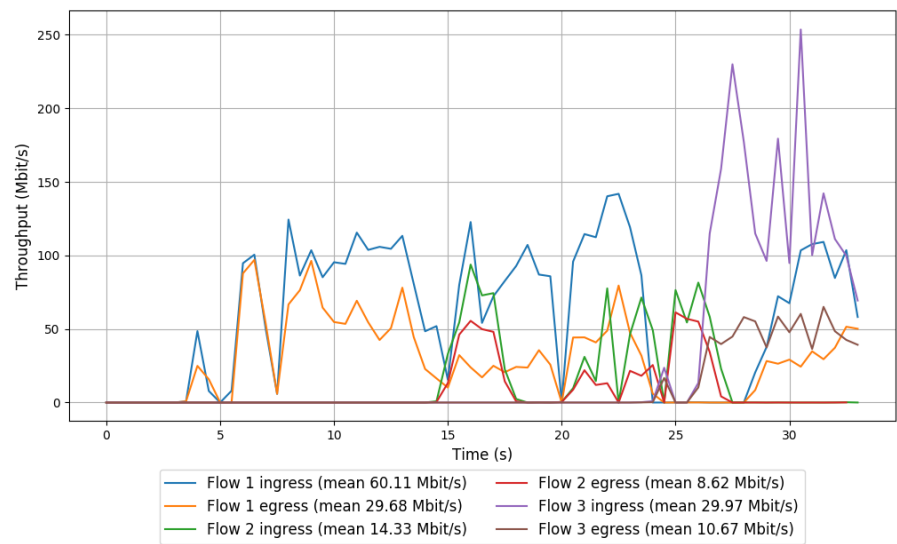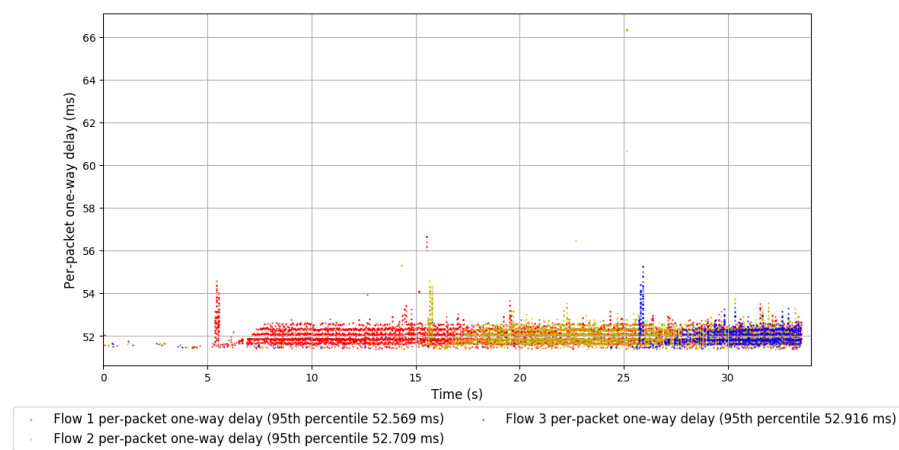
Run 10: Report of Verus — Data Link

Flow 1 ingress (mean 60.11 Mbit/s)
Flow 1 egress (mean 29.68 Mbit/s)
Flow 2 ingress (mean 14.33 Mbit/s)
Flow 2 egress (mean 8.62 Mbit/s)
Flow 3 ingress (mean 29.97 Mbit/s)
Flow 3 egress (mean 10.67 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 86.202 ms)
Flow 2 per-packet one-way delay (95th percentile 83.817 ms)
Flow 3 per-packet one-way delay (95th percentile 89.652 ms)

```
Run 1: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 09:26:20 +0000
End at: Sat, 01 Jul 2017 09:26:50 +0000
Local clock offset: -0.312 ms
Remote clock offset: -13.186 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 52.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 52.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 52.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 52.916 ms
Loss rate: 0.00%
```
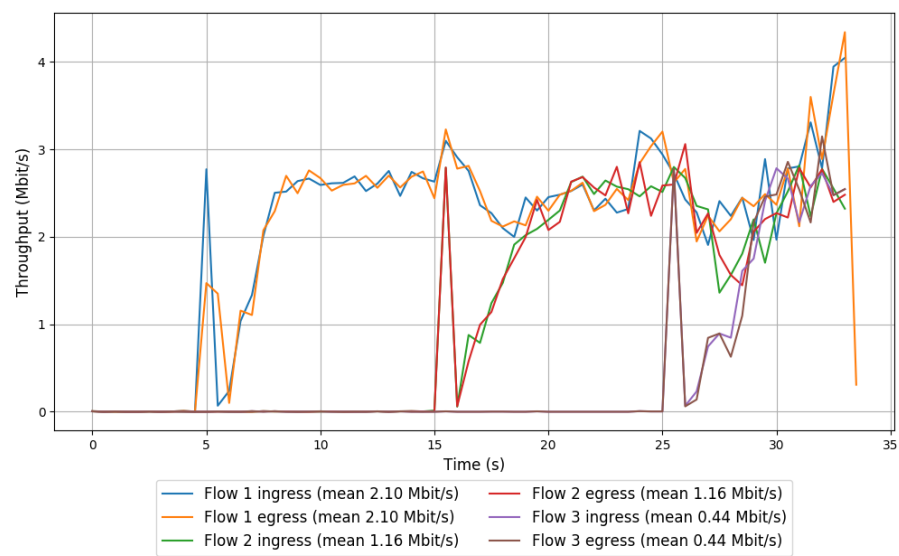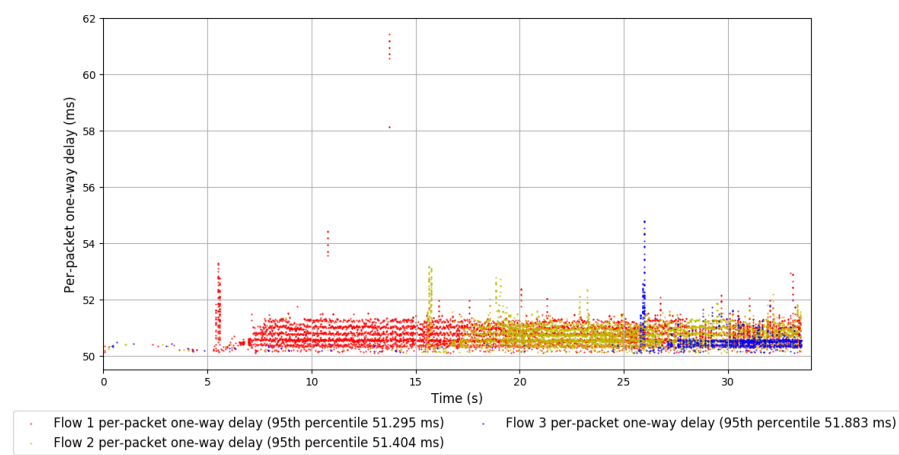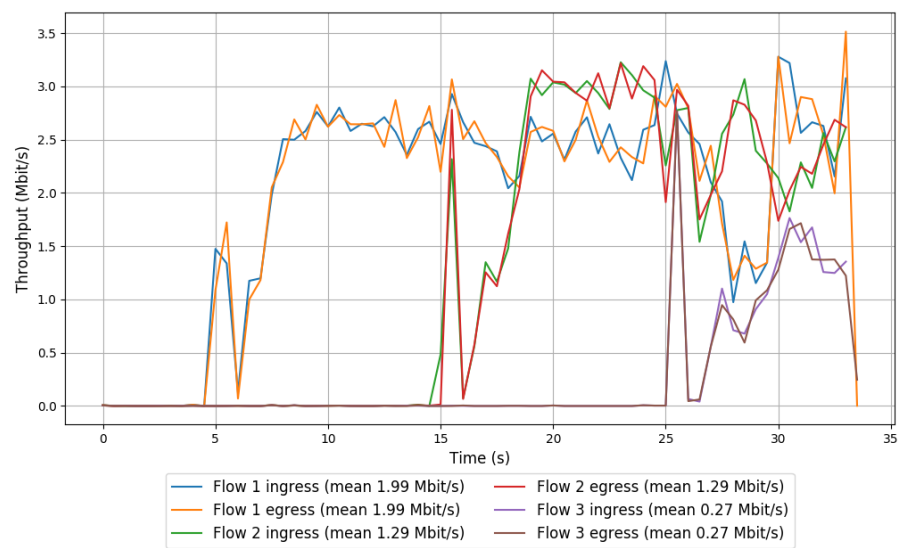
Run 1: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.10 Mbit/s)
Flow 1 egress (mean 2.10 Mbit/s)
Flow 2 ingress (mean 1.16 Mbit/s)
Flow 2 egress (mean 1.16 Mbit/s)
Flow 3 ingress (mean 0.44 Mbit/s)
Flow 3 egress (mean 0.44 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 52.569 ms)
Flow 2 per-packet one-way delay (95th percentile 52.709 ms)
Flow 3 per-packet one-way delay (95th percentile 52.916 ms)

```
Run 2: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 09:46:49 +0000
End at: Sat, 01 Jul 2017 09:47:19 +0000
Local clock offset: -0.213 ms
Remote clock offset: -9.375 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 51.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 51.295 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.29 Mbit/s
95th percentile per-packet one-way delay: 51.404 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 51.883 ms
Loss rate: 0.00%
```
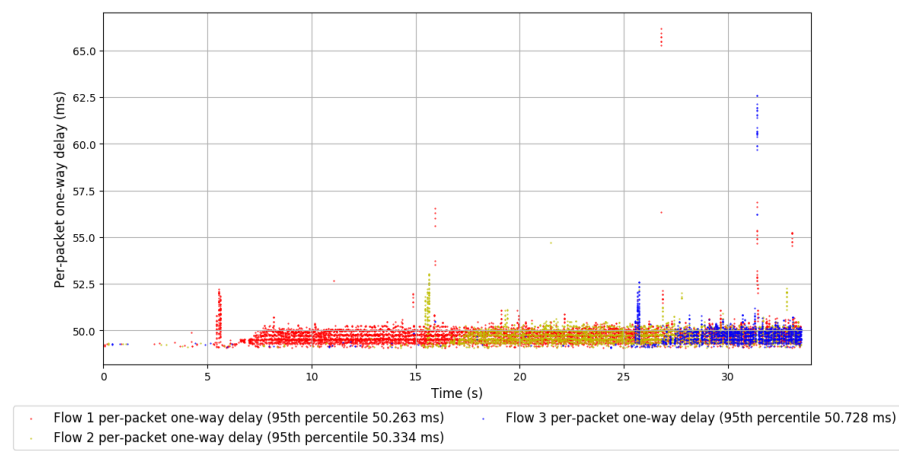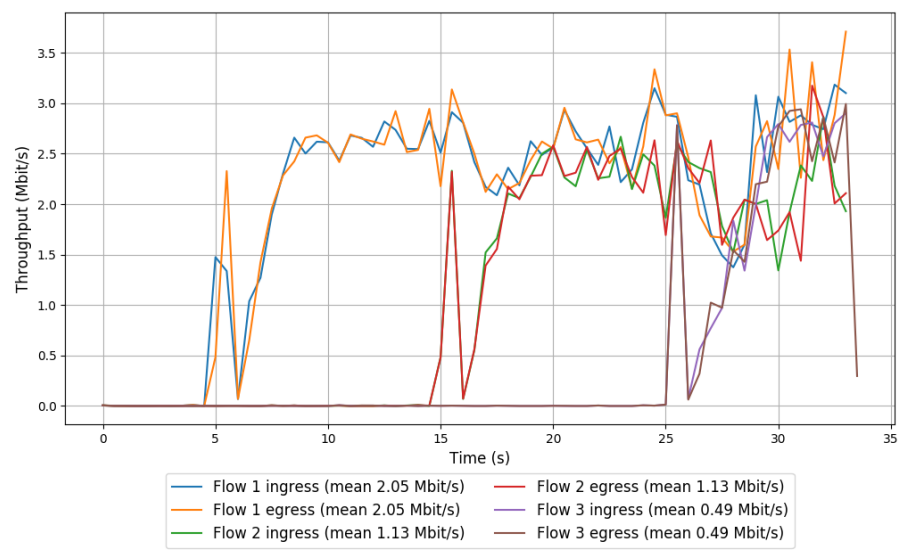
Run 2: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.99 Mbit/s)   Flow 2 egress (mean 1.29 Mbit/s)
Flow 1 egress (mean 1.99 Mbit/s)   Flow 3 ingress (mean 0.27 Mbit/s)
Flow 2 ingress (mean 1.29 Mbit/s)   Flow 3 egress (mean 0.27 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 51.295 ms)   Flow 3 per-packet one-way delay (95th percentile 51.883 ms)
Flow 2 per-packet one-way delay (95th percentile 51.404 ms)

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```
Run 3: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 10:07:13 +0000
End at: Sat, 01 Jul 2017 10:07:43 +0000
Local clock offset: -0.187 ms
Remote clock offset: -10.348 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 50.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 50.263 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.13 Mbit/s
95th percentile per-packet one-way delay: 50.334 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.49 Mbit/s
95th percentile per-packet one-way delay: 50.728 ms
Loss rate: 0.00%
```
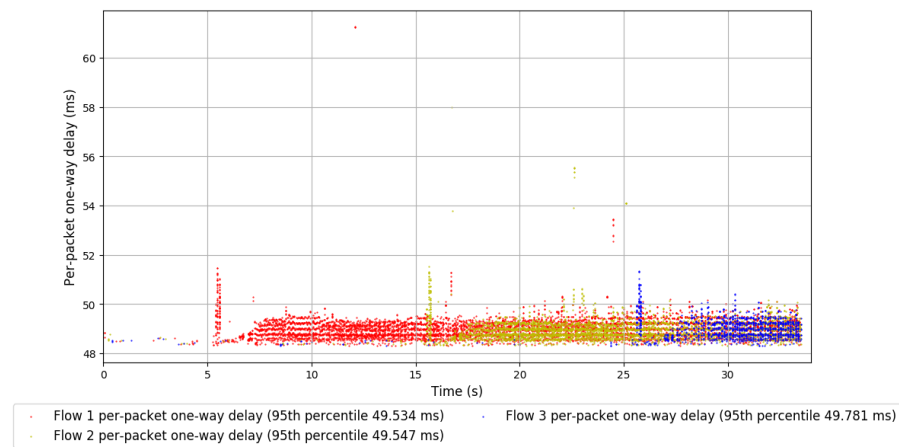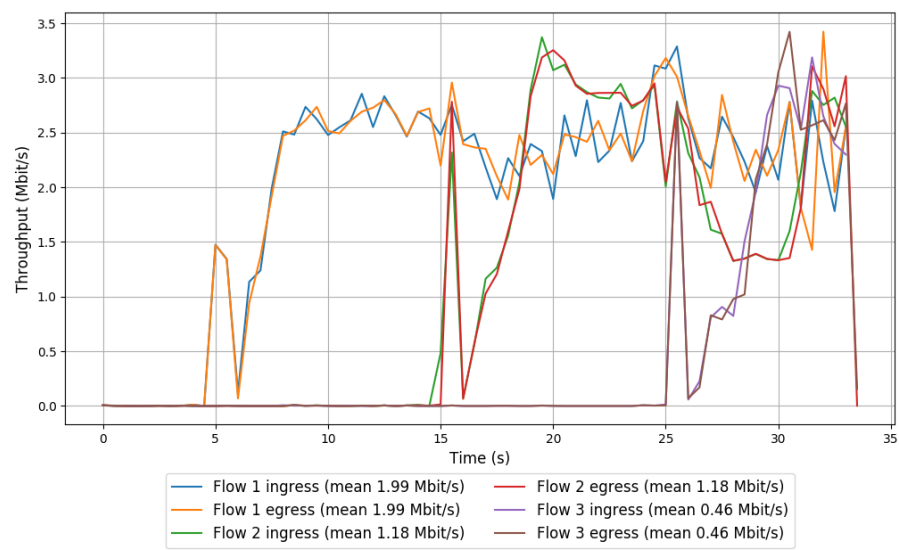
Run 3: Report of WebRTC media — Data Link

- Flow 1 ingress (mean 2.05 Mbit/s)
- Flow 1 egress (mean 2.05 Mbit/s)
- Flow 2 ingress (mean 1.13 Mbit/s)
- Flow 2 egress (mean 1.13 Mbit/s)
- Flow 3 ingress (mean 0.49 Mbit/s)
- Flow 3 egress (mean 0.49 Mbit/s)

- Flow 1 per-packet one-way delay (95th percentile 50.263 ms)
- Flow 2 per-packet one-way delay (95th percentile 50.334 ms)
- Flow 3 per-packet one-way delay (95th percentile 50.728 ms)

```
Run 4: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 10:27:43 +0000
End at: Sat, 01 Jul 2017 10:28:13 +0000
Local clock offset: 0.033 ms
Remote clock offset: -6.817 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:54 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.62 Mbit/s
95th percentile per-packet one-way delay: 49.590 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 49.534 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 49.547 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.46 Mbit/s
95th percentile per-packet one-way delay: 49.781 ms
Loss rate: 0.00%
```
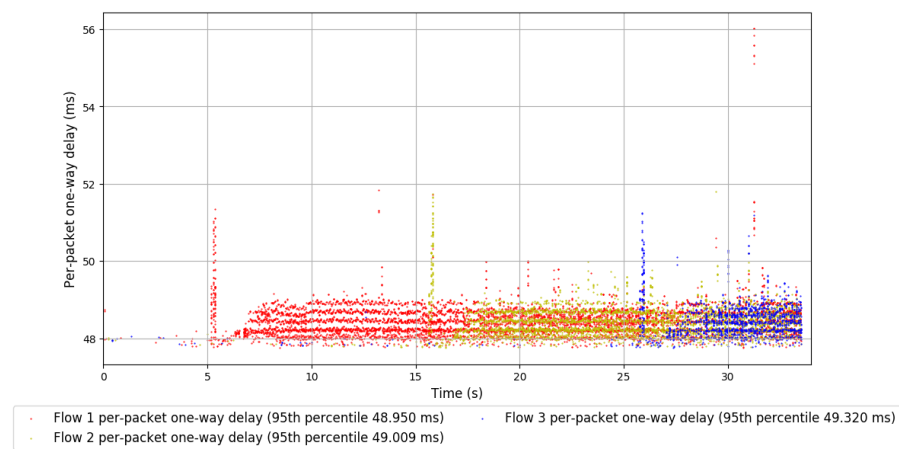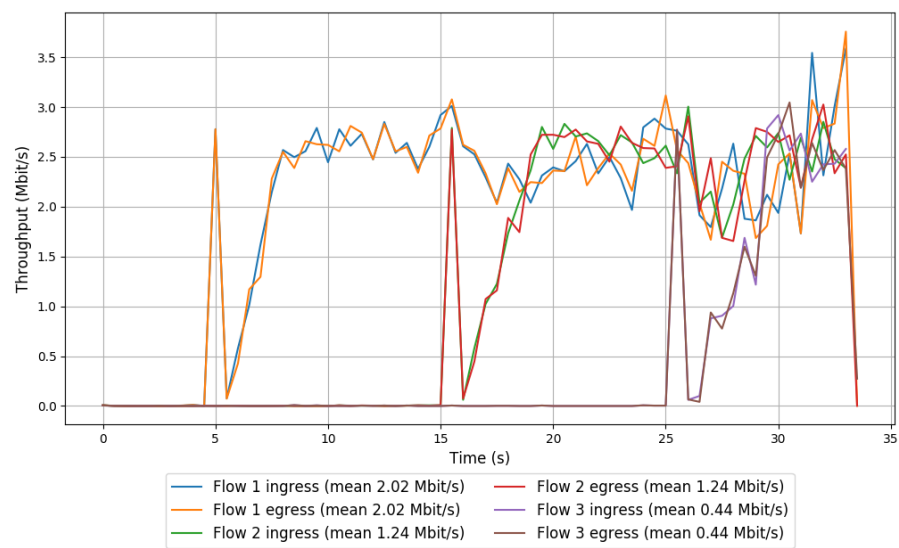
Run 4: Report of WebRTC media — Data Link

Flow 1 ingress (mean 1.99 Mbit/s)
Flow 1 egress (mean 1.99 Mbit/s)
Flow 2 ingress (mean 1.18 Mbit/s)
Flow 2 egress (mean 1.18 Mbit/s)
Flow 3 ingress (mean 0.46 Mbit/s)
Flow 3 egress (mean 0.46 Mbit/s)

Flow 1 per-packet one-way delay (95th percentile 49.534 ms)
Flow 2 per-packet one-way delay (95th percentile 49.547 ms)
Flow 3 per-packet one-way delay (95th percentile 49.781 ms)

```
Run 5: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 10:48:14 +0000
End at: Sat, 01 Jul 2017 10:48:44 +0000
Local clock offset: 0.092 ms
Remote clock offset: -6.284 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:55 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.69 Mbit/s
95th percentile per-packet one-way delay: 48.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.02 Mbit/s
95th percentile per-packet one-way delay: 48.950 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 49.009 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 49.320 ms
Loss rate: 0.00%
```
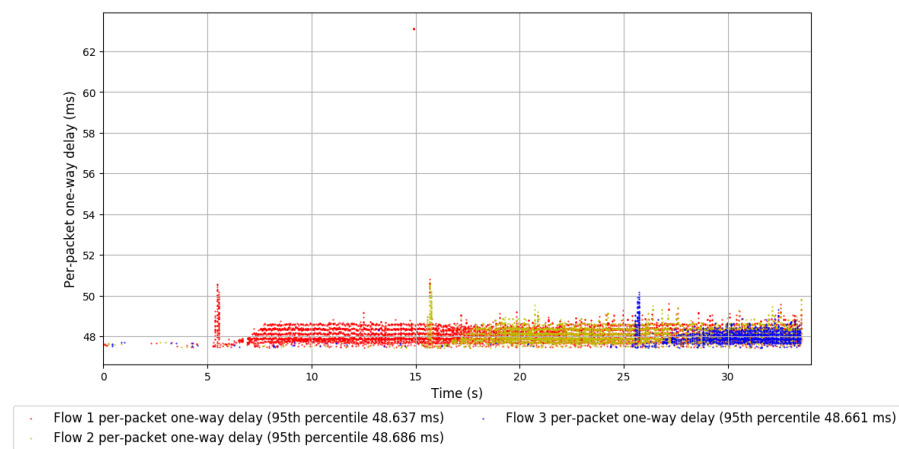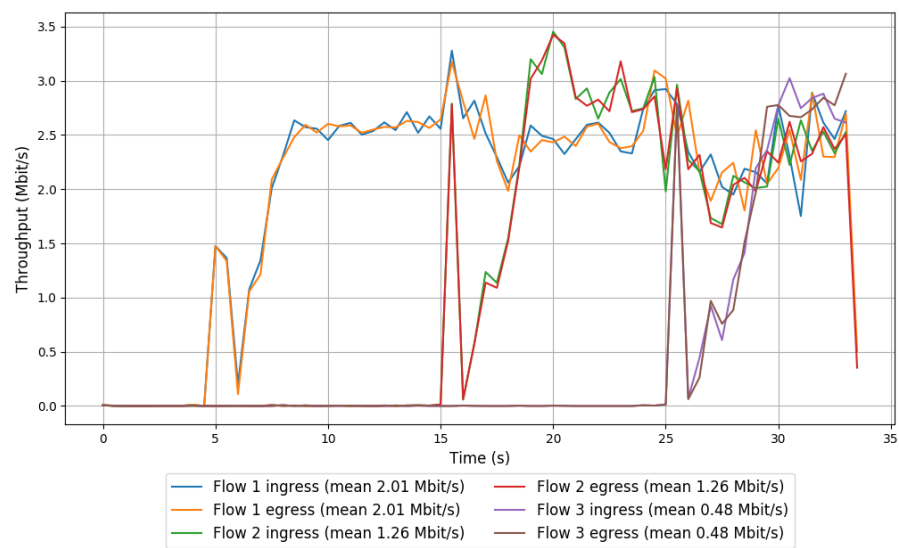
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 11:08:53 +0000
End at: Sat, 01 Jul 2017 11:09:23 +0000
Local clock offset: 0.22 ms
Remote clock offset: -6.662 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.73 Mbit/s
95th percentile per-packet one-way delay: 48.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 48.637 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 48.686 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 48.661 ms
Loss rate: 0.00%
```
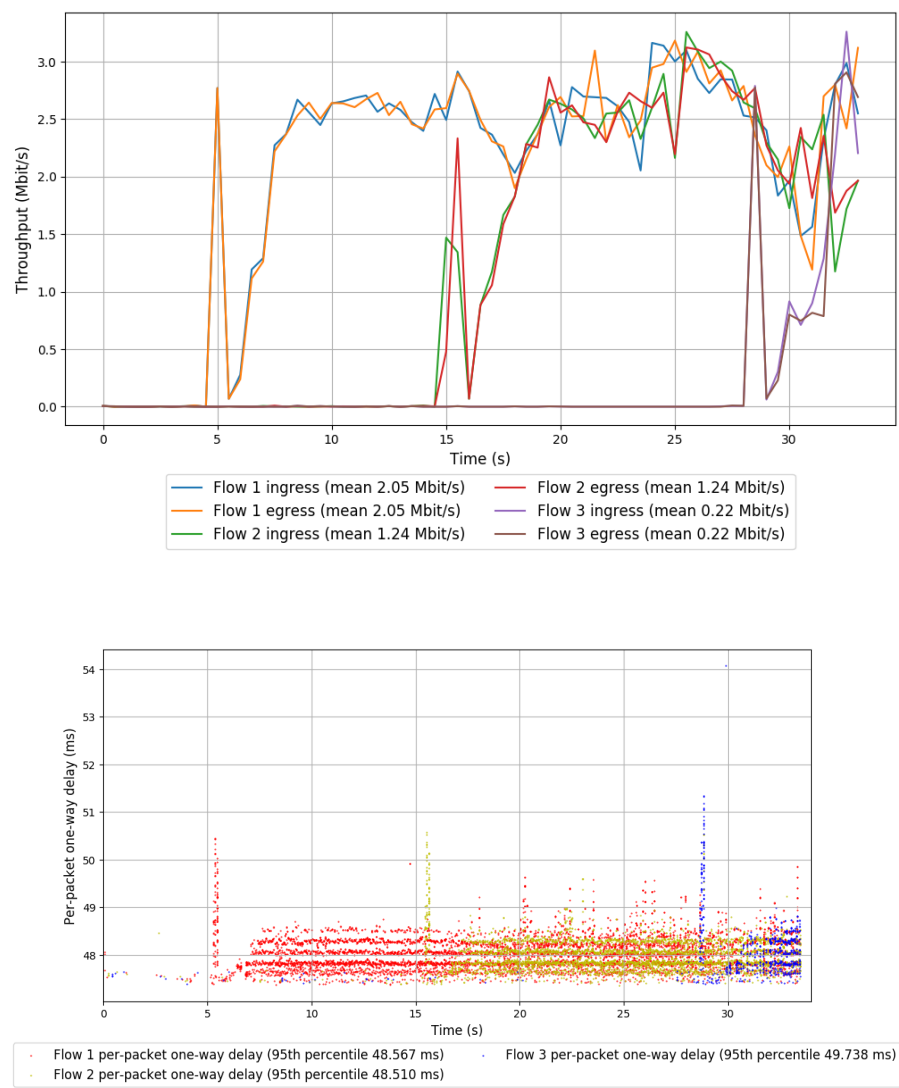
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 11:29:29 +0000
End at: Sat, 01 Jul 2017 11:29:59 +0000
Local clock offset: 0.321 ms
Remote clock offset: -8.643 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:57 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.50 Mbit/s
95th percentile per-packet one-way delay: 48.577 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 48.567 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 48.510 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.738 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 11:50:04 +0000
End at: Sat, 01 Jul 2017 11:50:34 +0000
Local clock offset: 0.38 ms
Remote clock offset: -5.442 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:59 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.70 Mbit/s
95th percentile per-packet one-way delay: 48.537 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 48.518 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 48.532 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 48.732 ms
Loss rate: 0.00%
```
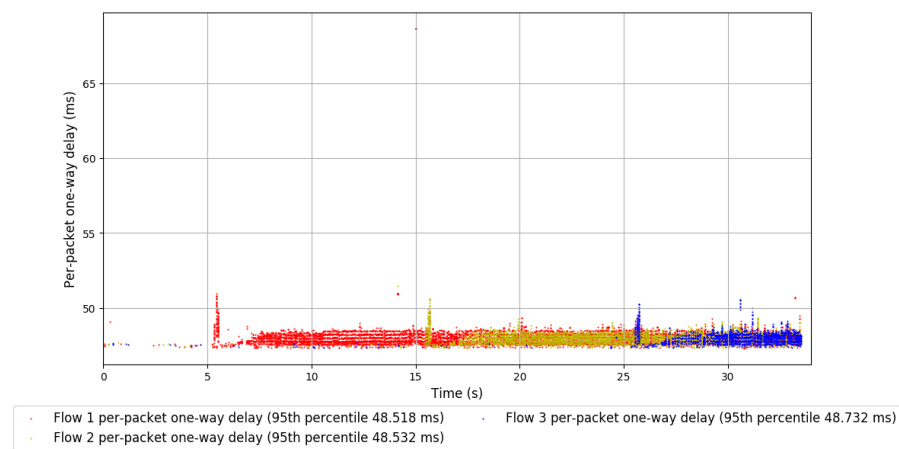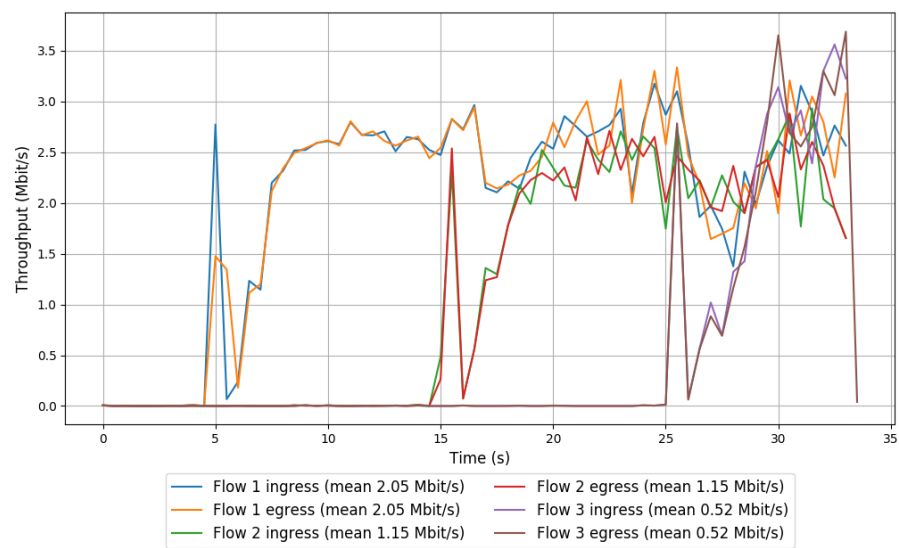
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 12:10:37 +0000
End at: Sat, 01 Jul 2017 12:11:07 +0000
Local clock offset: 0.421 ms
Remote clock offset: 1.589 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:57:59 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 49.165 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 49.102 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.40 Mbit/s
95th percentile per-packet one-way delay: 49.219 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 49.511 ms
Loss rate: 0.00%
```
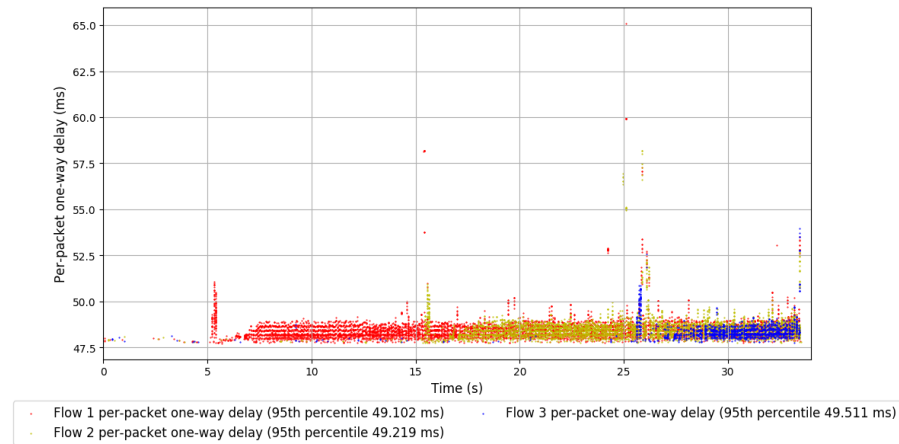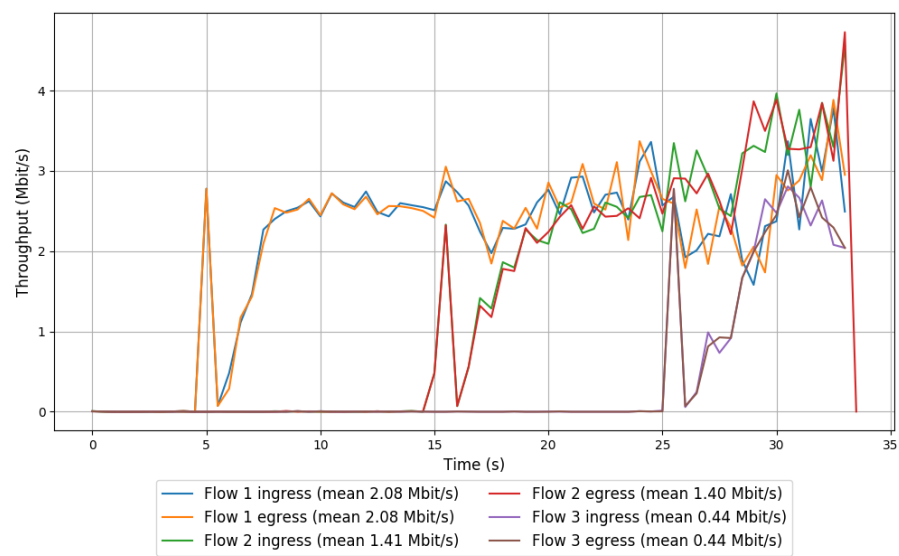
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 12:31:18 +0000
End at: Sat, 01 Jul 2017 12:31:48 +0000
Local clock offset: 0.665 ms
Remote clock offset: 0.115 ms


# Below is generated by plot.py at Sat, 01 Jul 2017 16:58:00 +0000
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 49.822 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 49.740 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.16 Mbit/s
95th percentile per-packet one-way delay: 49.864 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 50.090 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link