

**Pantheon Summary** (Generated at Sat, 01 Jul 2017 19:54:05 +0000 with pantheon version 55ce618ef3153403f57ca06ffe894ed6887bd36f)

Repeated the test of 15 congestion control schemes 10 times.

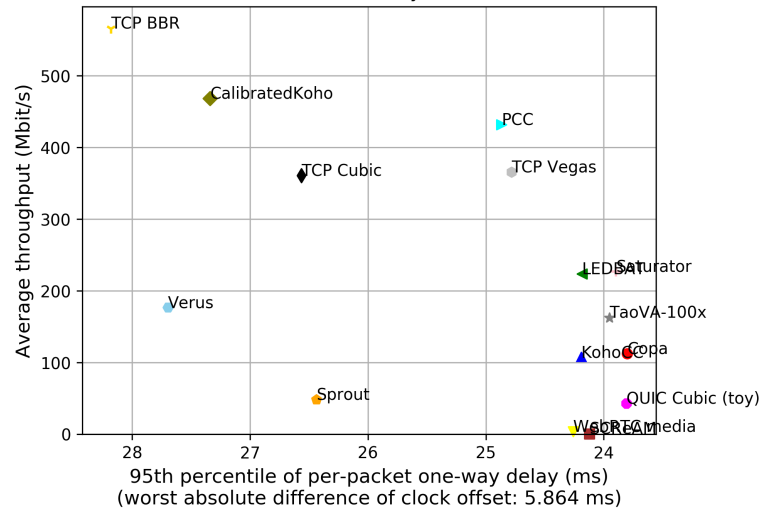
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

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

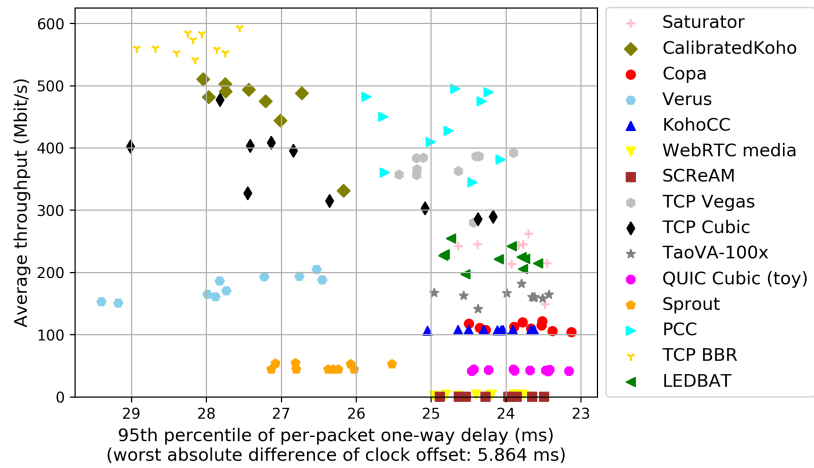
NTP offset measured against time.stanford.edu.

```
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 @ f1a14bffe749737437f61b1eaeab30b267cde681
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 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme  
mean of all runs by scheme

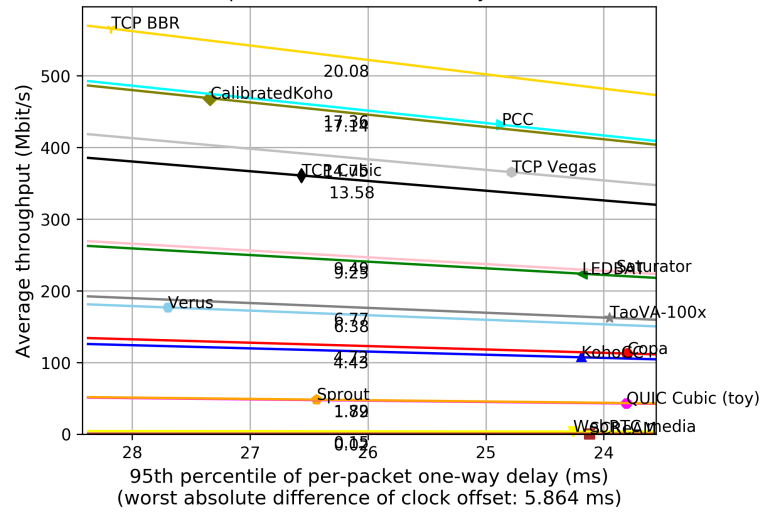


test from AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme





test from AWS California 1 Ethernet to Stanford 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 09:26:18 +0000

End at: Sat, 01 Jul 2017 09:26:48 +0000

Local clock offset: -0.086 ms

Remote clock offset: -5.567 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:12:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 560.03 Mbit/s

95th percentile per-packet one-way delay: 28.682 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 319.14 Mbit/s

95th percentile per-packet one-way delay: 28.513 ms

Loss rate: 1.34%

-- Flow 2:

Average throughput: 171.20 Mbit/s

95th percentile per-packet one-way delay: 28.707 ms

Loss rate: 0.14%

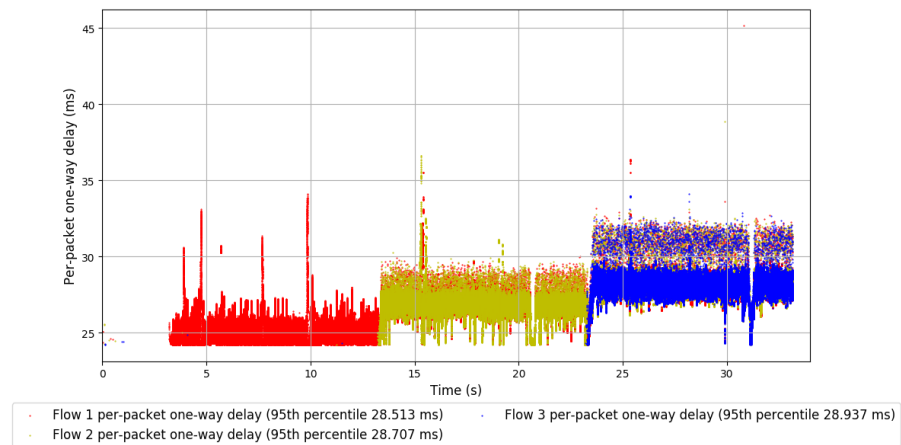
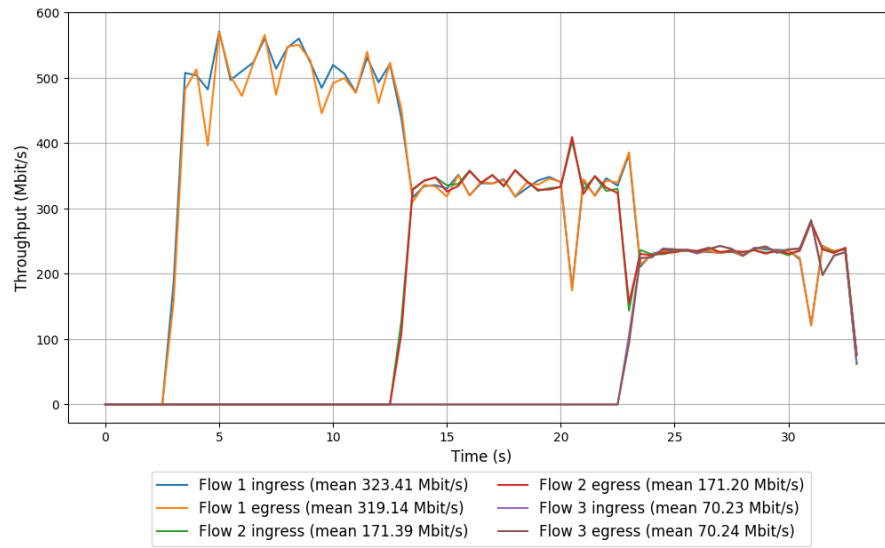
-- Flow 3:

Average throughput: 70.24 Mbit/s

95th percentile per-packet one-way delay: 28.937 ms

Loss rate: 0.01%

# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 09:47:20 +0000

End at: Sat, 01 Jul 2017 09:47:50 +0000

Local clock offset: 0.113 ms

Remote clock offset: -5.738 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:12:44 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 560.12 Mbit/s

95th percentile per-packet one-way delay: 28.929 ms

Loss rate: 0.89%

-- Flow 1:

Average throughput: 317.81 Mbit/s

95th percentile per-packet one-way delay: 28.756 ms

Loss rate: 1.54%

-- Flow 2:

Average throughput: 172.39 Mbit/s

95th percentile per-packet one-way delay: 28.964 ms

Loss rate: 0.02%

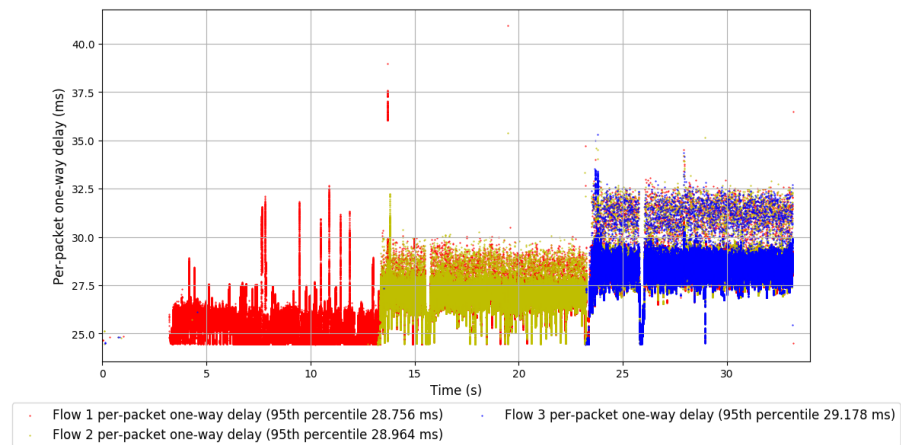
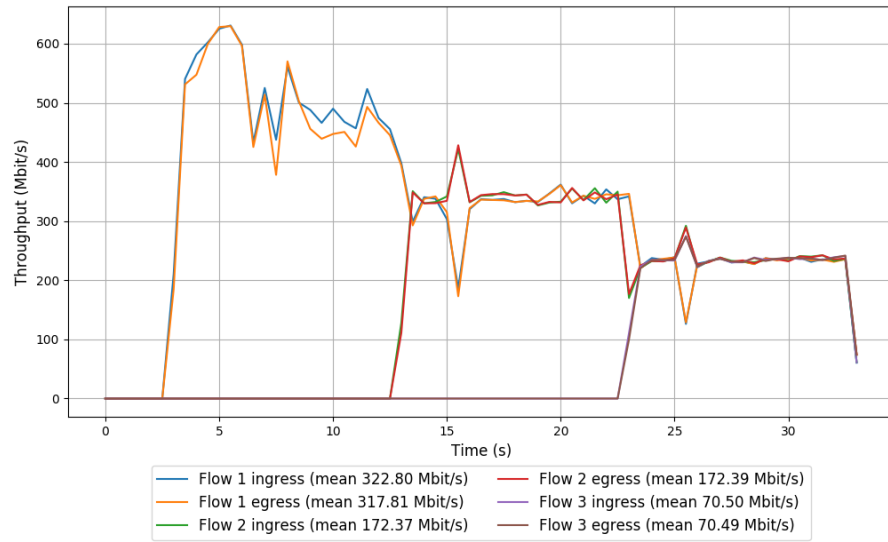
-- Flow 3:

Average throughput: 70.49 Mbit/s

95th percentile per-packet one-way delay: 29.178 ms

Loss rate: 0.01%

## Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 10:08:22 +0000

End at: Sat, 01 Jul 2017 10:08:52 +0000

Local clock offset: 0.08 ms

Remote clock offset: -5.208 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:14:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 552.56 Mbit/s

95th percentile per-packet one-way delay: 28.397 ms

Loss rate: 0.81%

-- Flow 1:

Average throughput: 308.90 Mbit/s

95th percentile per-packet one-way delay: 28.212 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 173.39 Mbit/s

95th percentile per-packet one-way delay: 28.425 ms

Loss rate: 0.00%

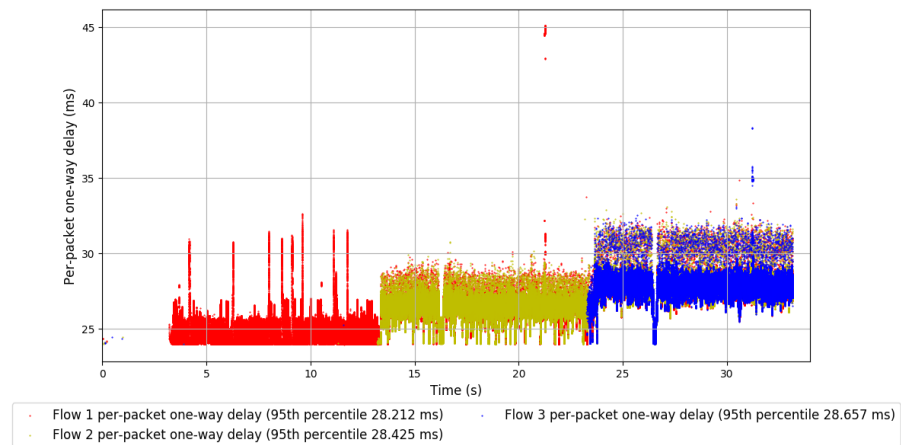
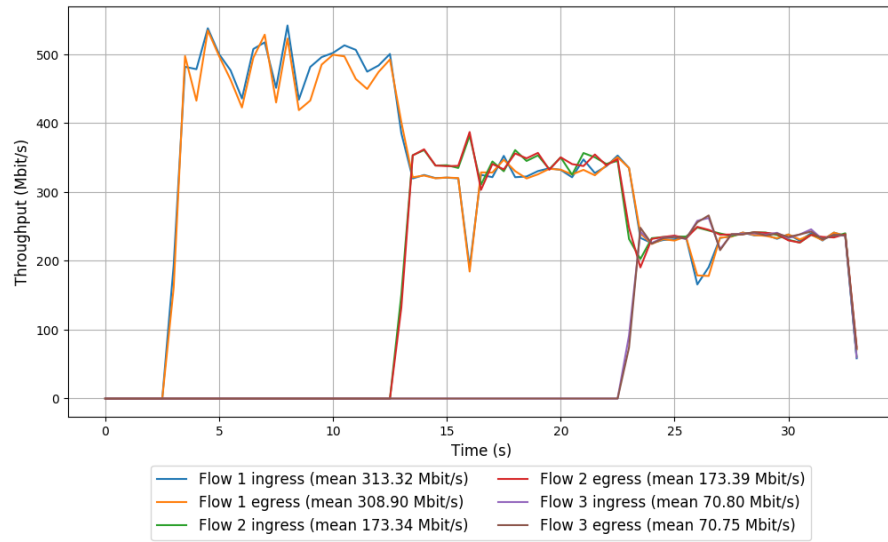
-- Flow 3:

Average throughput: 70.75 Mbit/s

95th percentile per-packet one-way delay: 28.657 ms

Loss rate: 0.05%

### Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 10:29:14 +0000

End at: Sat, 01 Jul 2017 10:29:44 +0000

Local clock offset: 0.106 ms

Remote clock offset: -5.044 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:14:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 584.17 Mbit/s

95th percentile per-packet one-way delay: 28.249 ms

Loss rate: 0.73%

-- Flow 1:

Average throughput: 343.04 Mbit/s

95th percentile per-packet one-way delay: 28.076 ms

Loss rate: 1.17%

-- Flow 2:

Average throughput: 172.09 Mbit/s

95th percentile per-packet one-way delay: 28.285 ms

Loss rate: 0.11%

-- Flow 3:

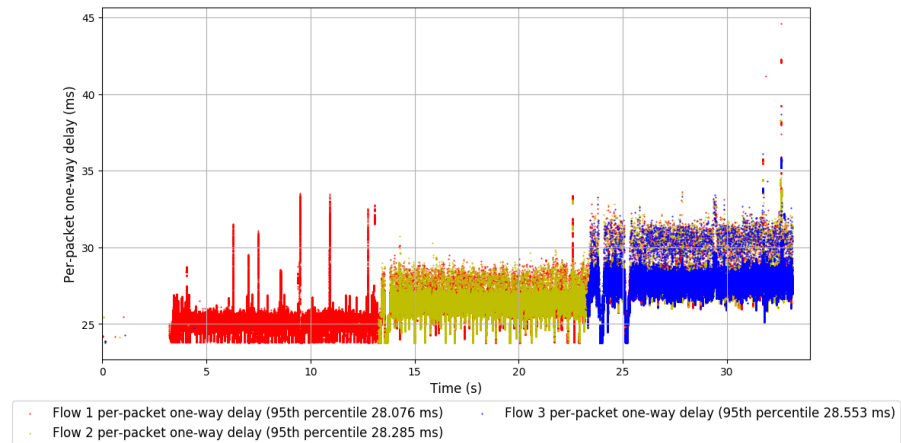
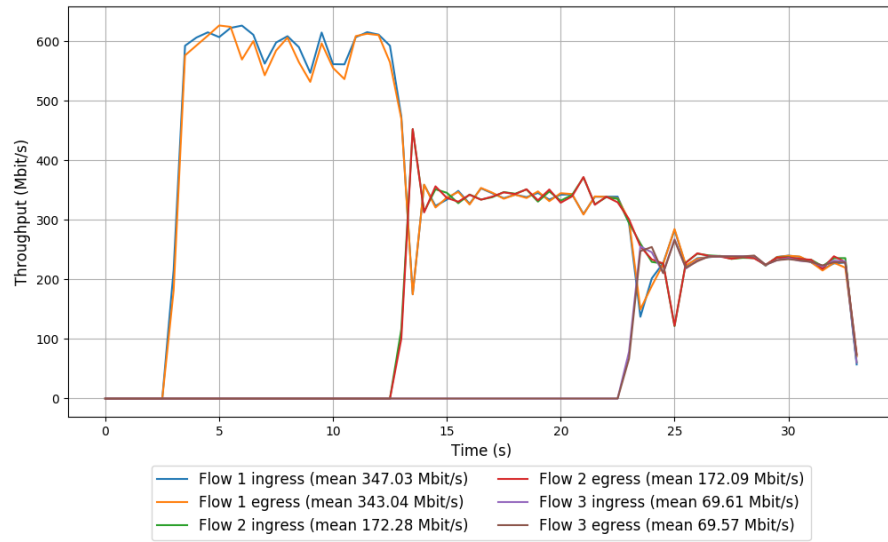
Average throughput: 69.57 Mbit/s

95th percentile per-packet one-way delay: 28.553 ms

Loss rate: 0.08%



# Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 10:50:05 +0000

End at: Sat, 01 Jul 2017 10:50:35 +0000

Local clock offset: 0.155 ms

Remote clock offset: -4.547 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:15:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 558.57 Mbit/s

95th percentile per-packet one-way delay: 27.861 ms

Loss rate: 1.01%

-- Flow 1:

Average throughput: 318.83 Mbit/s

95th percentile per-packet one-way delay: 27.703 ms

Loss rate: 1.63%

-- Flow 2:

Average throughput: 170.62 Mbit/s

95th percentile per-packet one-way delay: 27.886 ms

Loss rate: 0.23%

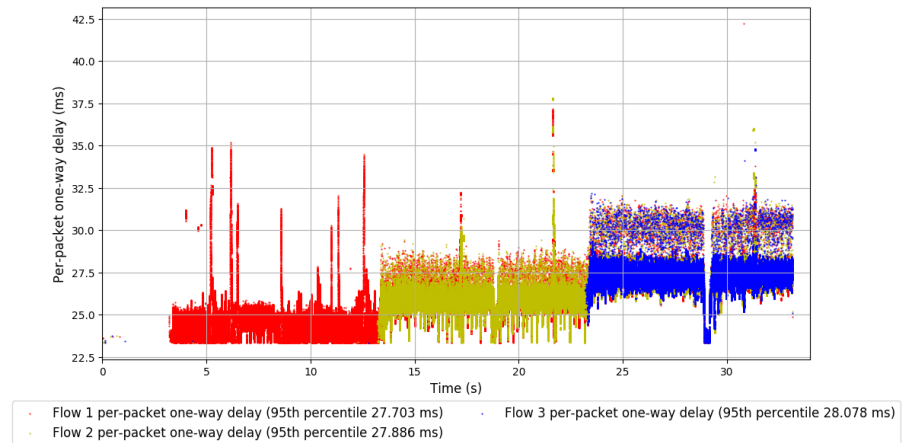
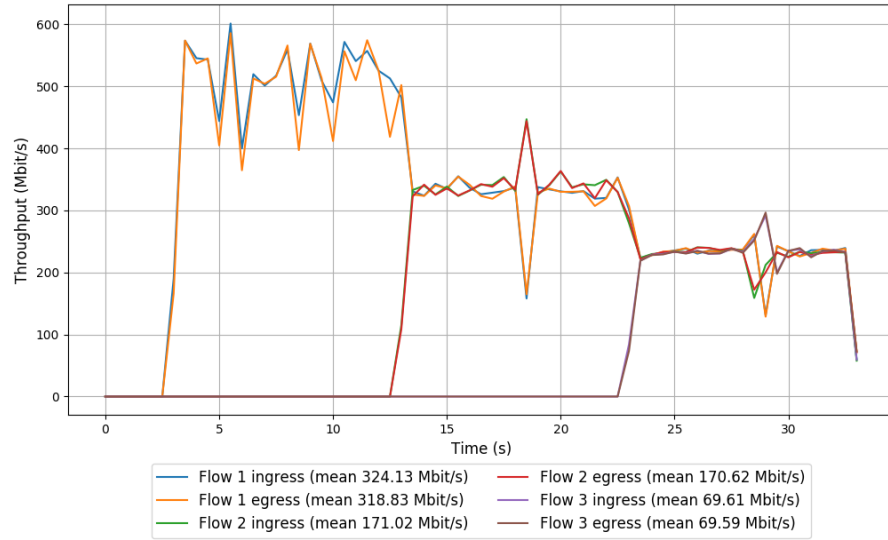
-- Flow 3:

Average throughput: 69.59 Mbit/s

95th percentile per-packet one-way delay: 28.078 ms

Loss rate: 0.02%

# Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 11:10:58 +0000

End at: Sat, 01 Jul 2017 11:11:28 +0000

Local clock offset: 0.173 ms

Remote clock offset: -4.802 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:15:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 583.16 Mbit/s

95th percentile per-packet one-way delay: 28.062 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 343.31 Mbit/s

95th percentile per-packet one-way delay: 27.863 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 170.29 Mbit/s

95th percentile per-packet one-way delay: 28.101 ms

Loss rate: 0.25%

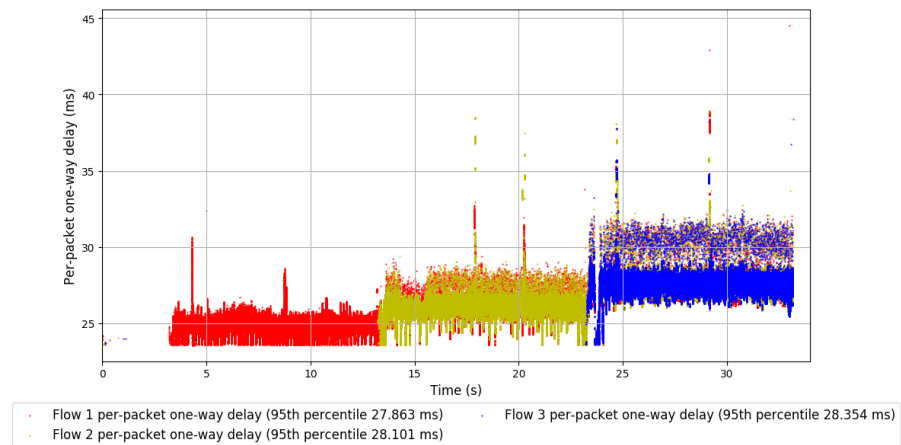
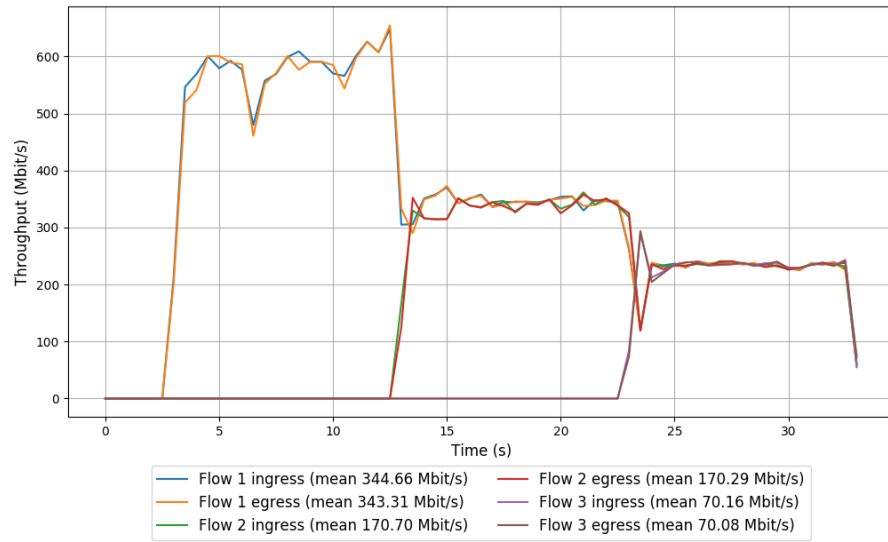
-- Flow 3:

Average throughput: 70.08 Mbit/s

95th percentile per-packet one-way delay: 28.354 ms

Loss rate: 0.13%

## Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 11:32:12 +0000

End at: Sat, 01 Jul 2017 11:32:42 +0000

Local clock offset: -0.002 ms

Remote clock offset: -4.578 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:16:31 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 541.30 Mbit/s

95th percentile per-packet one-way delay: 28.150 ms

Loss rate: 0.98%

-- Flow 1:

Average throughput: 307.44 Mbit/s

95th percentile per-packet one-way delay: 27.932 ms

Loss rate: 1.55%

-- Flow 2:

Average throughput: 167.29 Mbit/s

95th percentile per-packet one-way delay: 28.193 ms

Loss rate: 0.30%

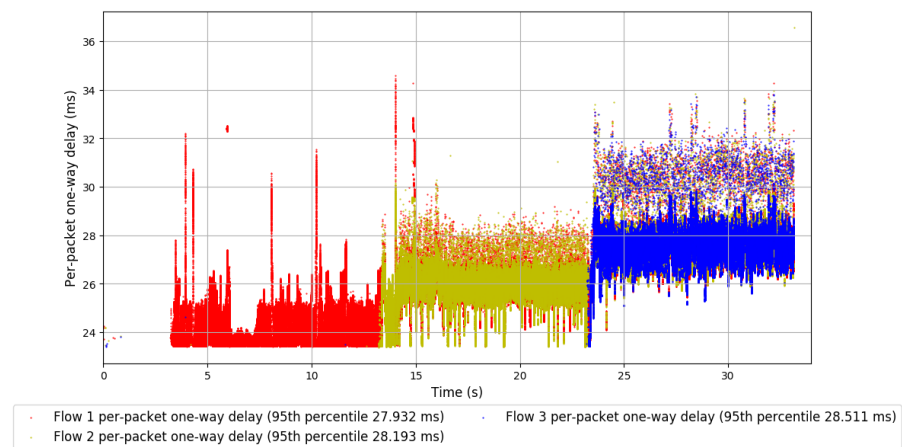
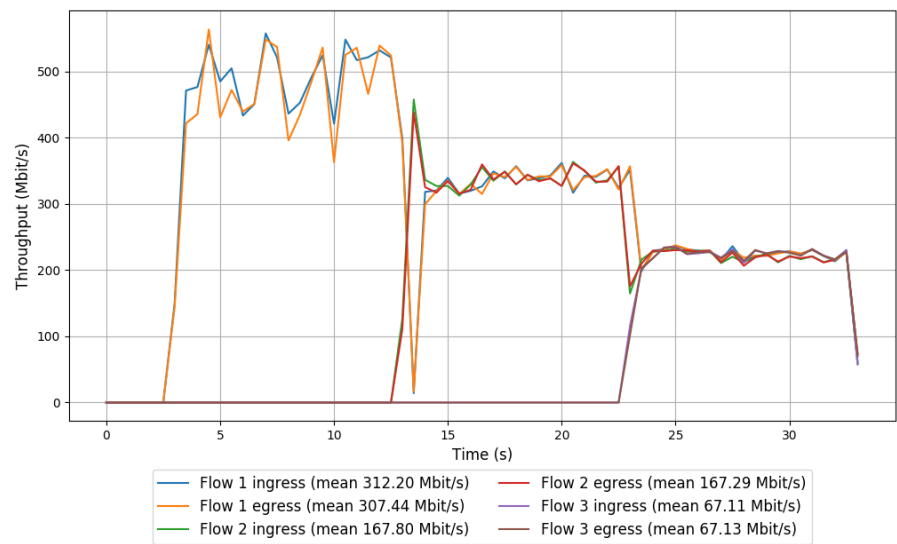
-- Flow 3:

Average throughput: 67.13 Mbit/s

95th percentile per-packet one-way delay: 28.511 ms

Loss rate: 0.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 11:53:06 +0000

End at: Sat, 01 Jul 2017 11:53:36 +0000

Local clock offset: 0.014 ms

Remote clock offset: -4.521 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:16:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 552.93 Mbit/s

95th percentile per-packet one-way delay: 27.749 ms

Loss rate: 1.05%

-- Flow 1:

Average throughput: 313.40 Mbit/s

95th percentile per-packet one-way delay: 27.579 ms

Loss rate: 1.81%

-- Flow 2:

Average throughput: 170.83 Mbit/s

95th percentile per-packet one-way delay: 27.765 ms

Loss rate: 0.05%

-- Flow 3:

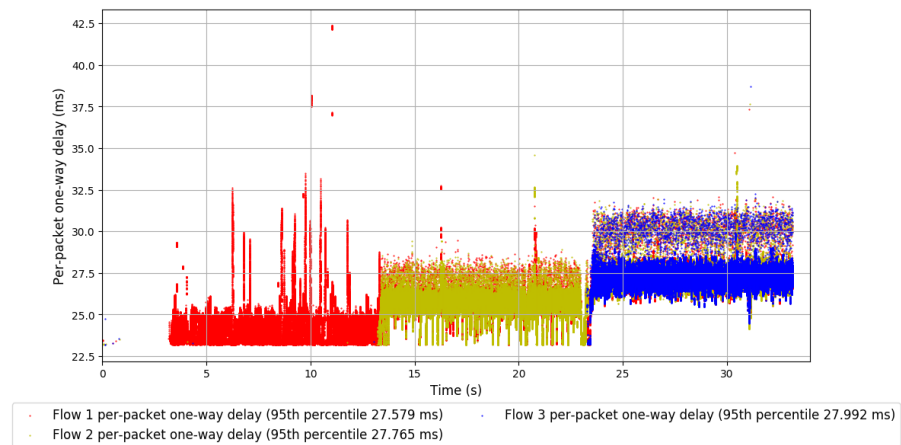
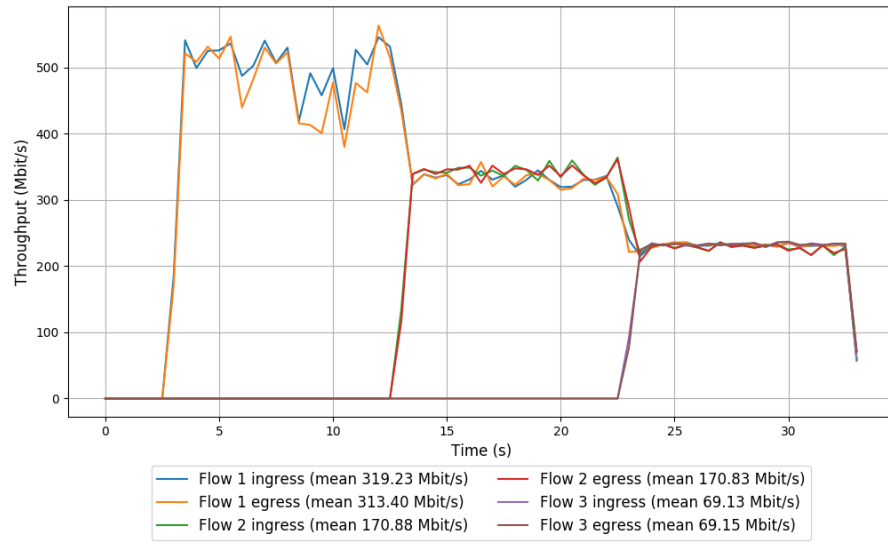
Average throughput: 69.15 Mbit/s

95th percentile per-packet one-way delay: 27.992 ms

Loss rate: 0.00%



# Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 12:14:07 +0000

End at: Sat, 01 Jul 2017 12:14:37 +0000

Local clock offset: 0.024 ms

Remote clock offset: -4.367 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:18:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 592.85 Mbit/s

95th percentile per-packet one-way delay: 27.558 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 350.03 Mbit/s

95th percentile per-packet one-way delay: 27.346 ms

Loss rate: 0.26%

-- Flow 2:

Average throughput: 172.81 Mbit/s

95th percentile per-packet one-way delay: 27.612 ms

Loss rate: 0.11%

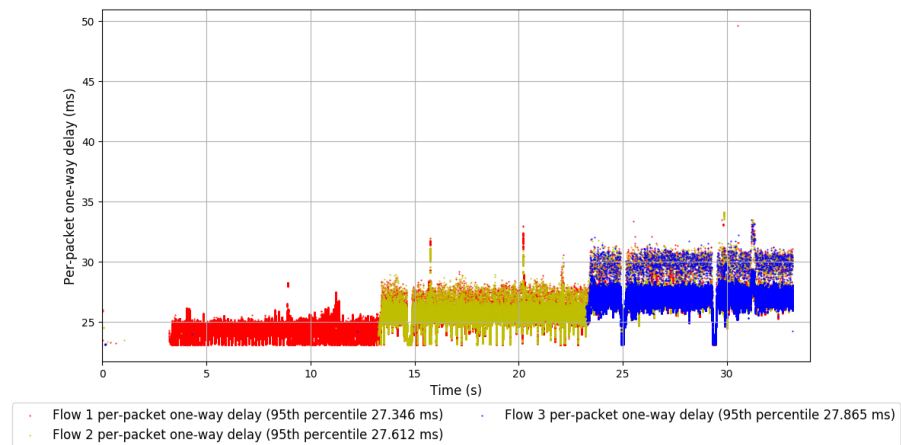
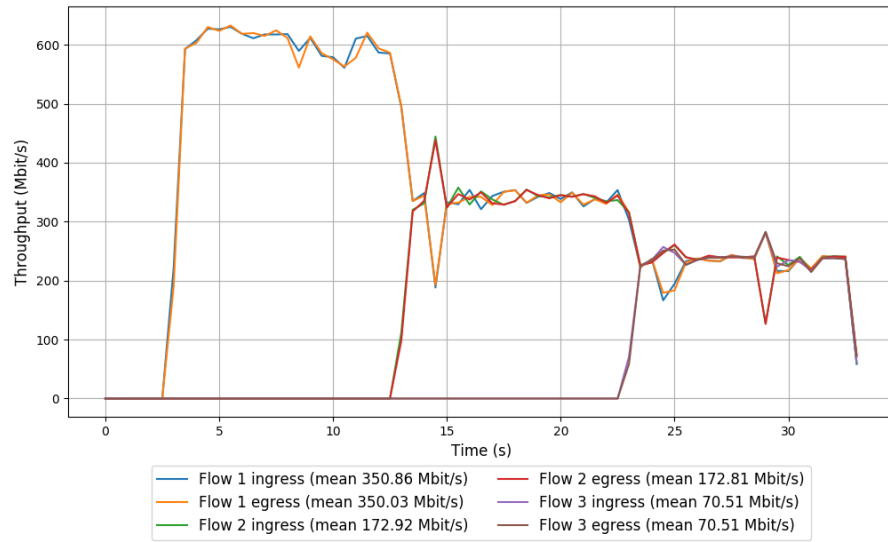
-- Flow 3:

Average throughput: 70.51 Mbit/s

95th percentile per-packet one-way delay: 27.865 ms

Loss rate: 0.00%

# Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sat, 01 Jul 2017 12:35:09 +0000

End at: Sat, 01 Jul 2017 12:35:39 +0000

Local clock offset: 0.046 ms

Remote clock offset: -4.731 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:18:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 573.43 Mbit/s

95th percentile per-packet one-way delay: 28.177 ms

Loss rate: 0.35%

-- Flow 1:

Average throughput: 340.39 Mbit/s

95th percentile per-packet one-way delay: 27.878 ms

Loss rate: 0.52%

-- Flow 2:

Average throughput: 166.71 Mbit/s

95th percentile per-packet one-way delay: 28.245 ms

Loss rate: 0.15%

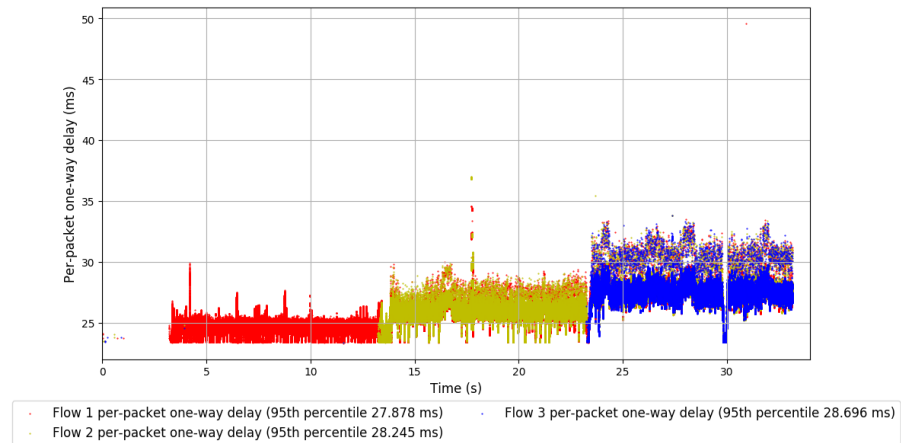
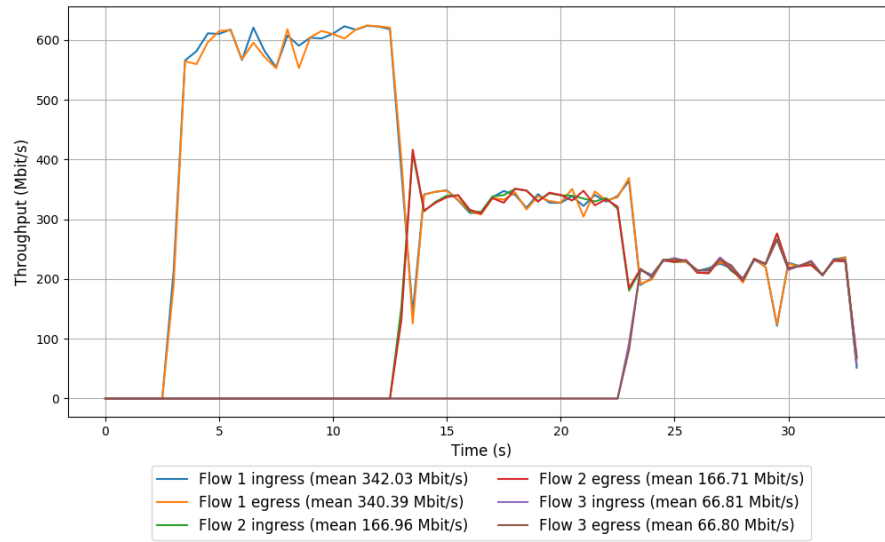
-- Flow 3:

Average throughput: 66.80 Mbit/s

95th percentile per-packet one-way delay: 28.696 ms

Loss rate: 0.02%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 09:09:50 +0000

End at: Sat, 01 Jul 2017 09:10:20 +0000

Local clock offset: -0.203 ms

Remote clock offset: -5.671 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:19:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 493.88 Mbit/s

95th percentile per-packet one-way delay: 27.435 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 288.42 Mbit/s

95th percentile per-packet one-way delay: 27.170 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 133.19 Mbit/s

95th percentile per-packet one-way delay: 27.646 ms

Loss rate: 0.07%

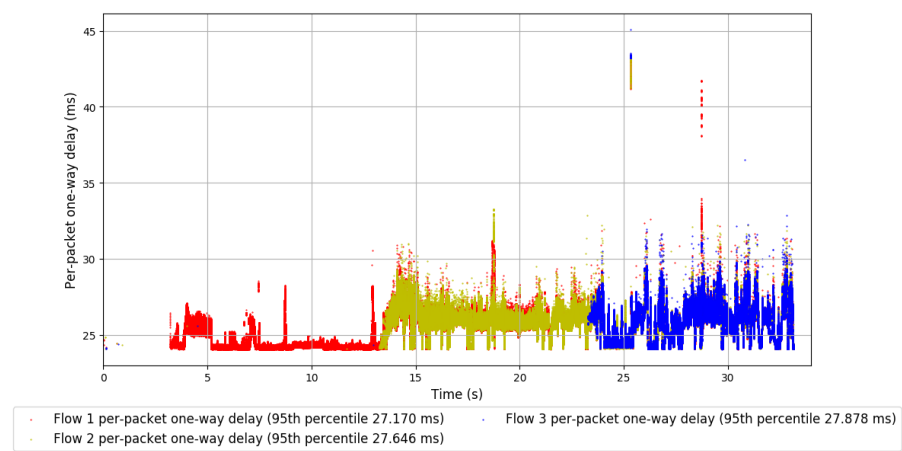
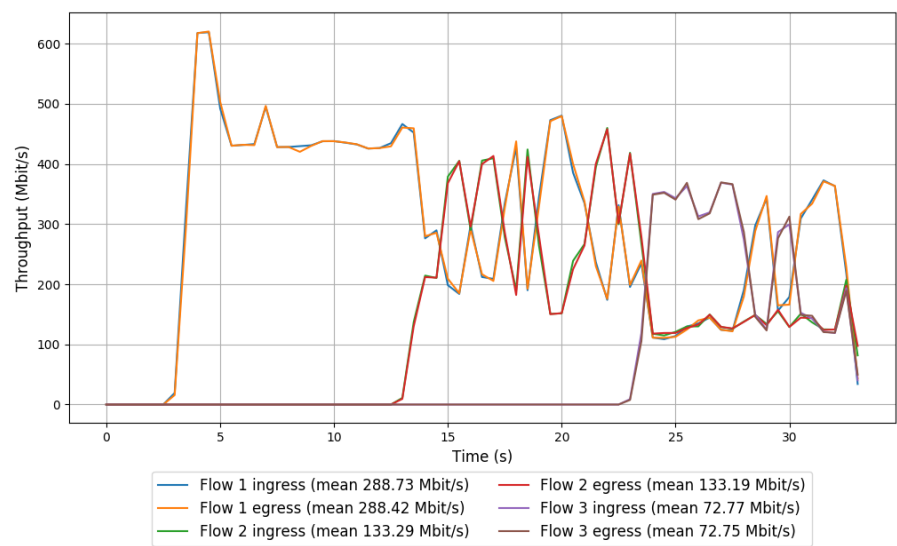
-- Flow 3:

Average throughput: 72.75 Mbit/s

95th percentile per-packet one-way delay: 27.878 ms

Loss rate: 0.05%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 09:30:58 +0000

End at: Sat, 01 Jul 2017 09:31:28 +0000

Local clock offset: -0.095 ms

Remote clock offset: -5.677 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:19:20 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 502.44 Mbit/s

95th percentile per-packet one-way delay: 27.746 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 288.73 Mbit/s

95th percentile per-packet one-way delay: 27.422 ms

Loss rate: 0.28%

-- Flow 2:

Average throughput: 146.71 Mbit/s

95th percentile per-packet one-way delay: 27.865 ms

Loss rate: 0.11%

-- Flow 3:

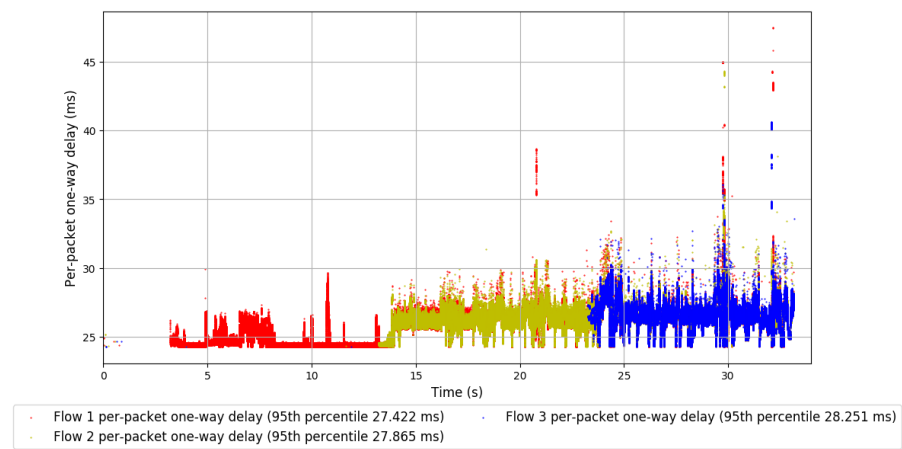
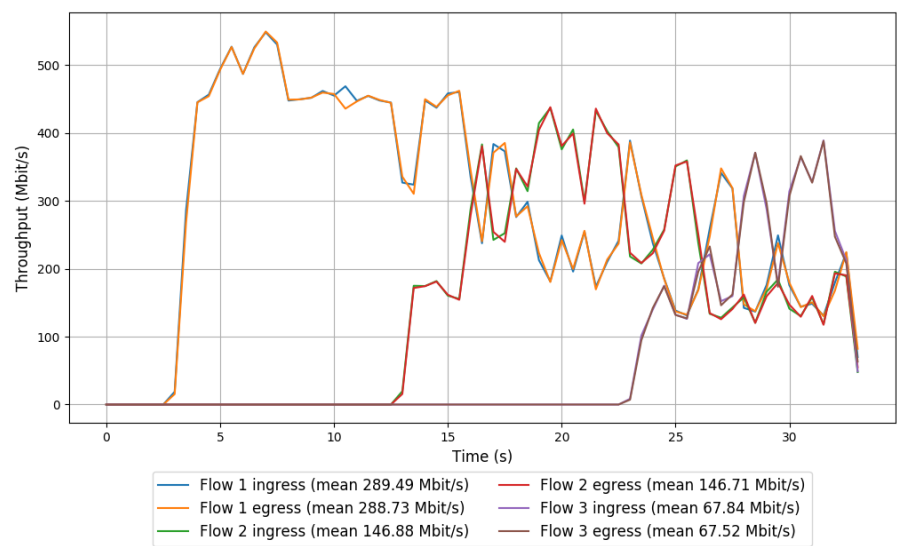
Average throughput: 67.52 Mbit/s

95th percentile per-packet one-way delay: 28.251 ms

Loss rate: 0.47%



Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 09:52:05 +0000

End at: Sat, 01 Jul 2017 09:52:35 +0000

Local clock offset: 0.031 ms

Remote clock offset: -5.718 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:20:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 510.63 Mbit/s

95th percentile per-packet one-way delay: 28.044 ms

Loss rate: 0.30%

-- Flow 1:

Average throughput: 301.20 Mbit/s

95th percentile per-packet one-way delay: 27.645 ms

Loss rate: 0.31%

-- Flow 2:

Average throughput: 152.70 Mbit/s

95th percentile per-packet one-way delay: 28.187 ms

Loss rate: 0.30%

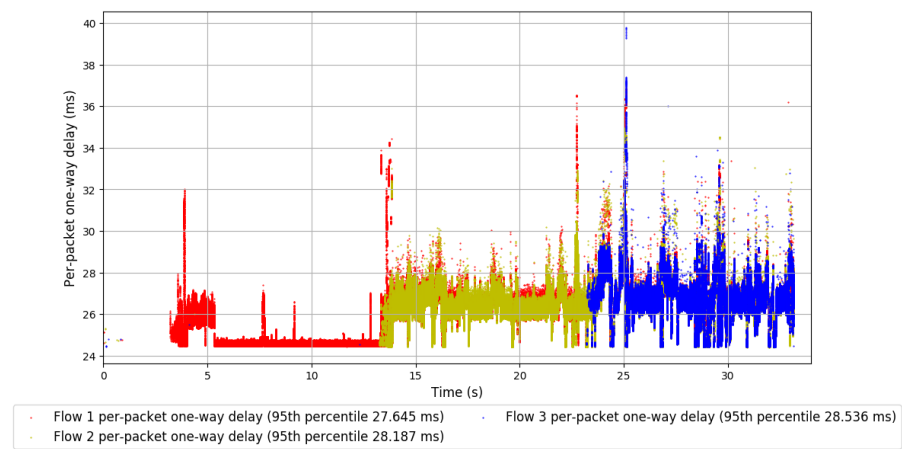
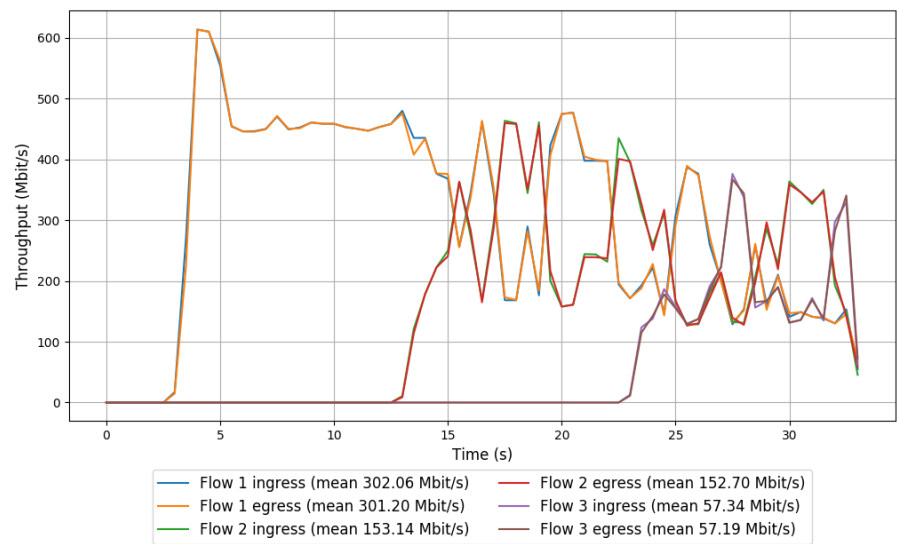
-- Flow 3:

Average throughput: 57.19 Mbit/s

95th percentile per-packet one-way delay: 28.536 ms

Loss rate: 0.27%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 10:12:59 +0000

End at: Sat, 01 Jul 2017 10:13:29 +0000

Local clock offset: 0.057 ms

Remote clock offset: -5.035 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:20:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 444.23 Mbit/s

95th percentile per-packet one-way delay: 27.014 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 218.40 Mbit/s

95th percentile per-packet one-way delay: 26.860 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 151.56 Mbit/s

95th percentile per-packet one-way delay: 27.045 ms

Loss rate: 0.15%

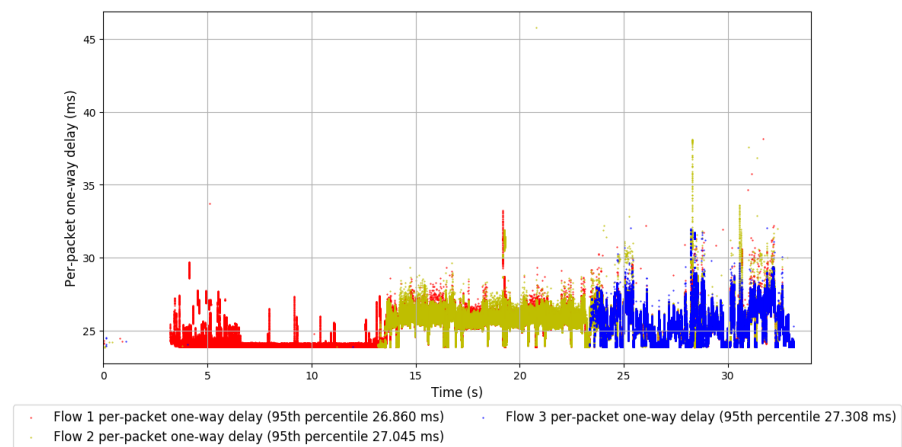
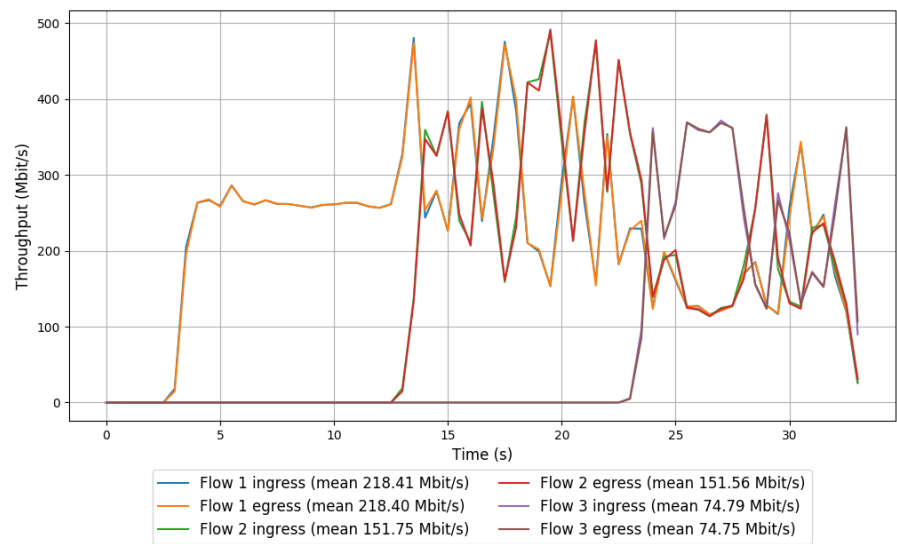
-- Flow 3:

Average throughput: 74.75 Mbit/s

95th percentile per-packet one-way delay: 27.308 ms

Loss rate: 0.06%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

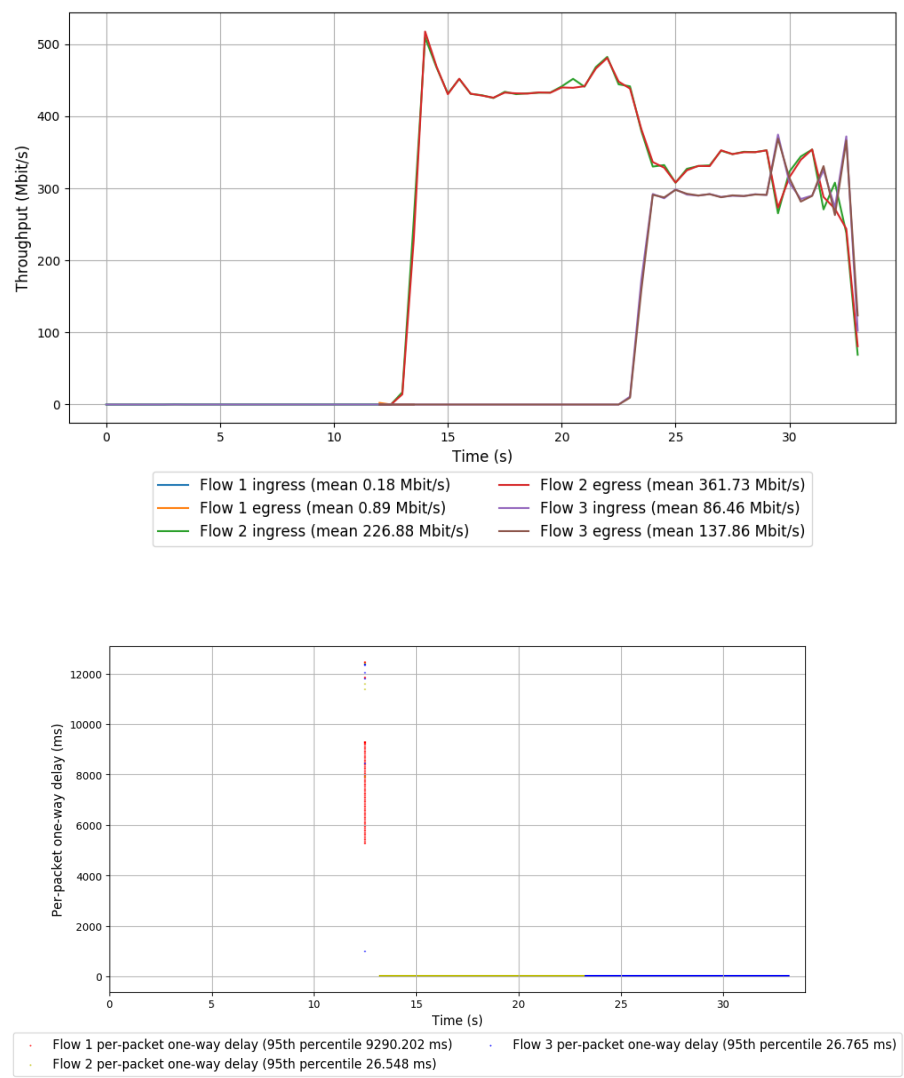
Start at: Sat, 01 Jul 2017 10:33:51 +0000

End at: Sat, 01 Jul 2017 10:34:21 +0000

Local clock offset: 0.125 ms

Remote clock offset: -4.832 ms

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 10:54:48 +0000

End at: Sat, 01 Jul 2017 10:55:18 +0000

Local clock offset: 0.089 ms

Remote clock offset: -4.501 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:21:14 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 330.98 Mbit/s

95th percentile per-packet one-way delay: 26.171 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 0.02 Mbit/s

95th percentile per-packet one-way delay: 4935.776 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 215.98 Mbit/s

95th percentile per-packet one-way delay: 26.108 ms

Loss rate: 0.11%

-- Flow 3:

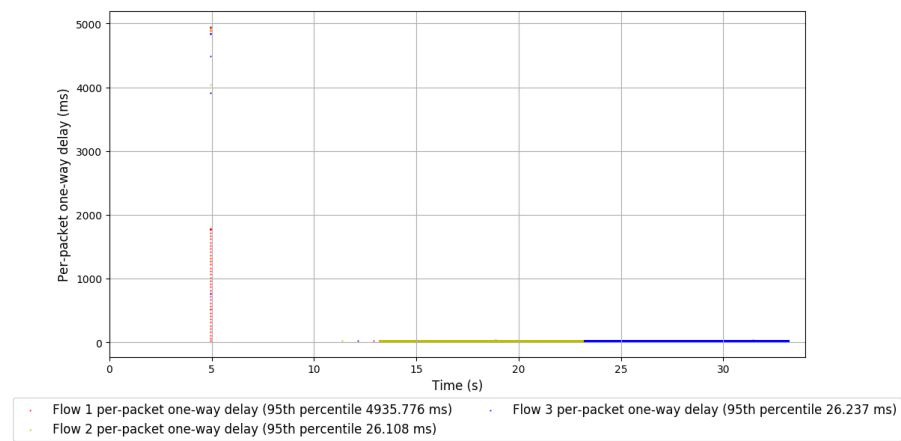
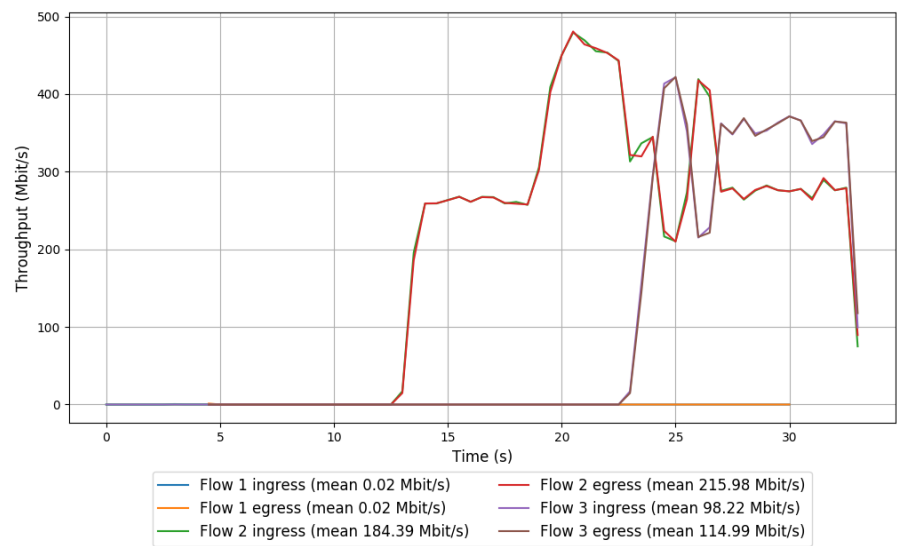
Average throughput: 114.99 Mbit/s

95th percentile per-packet one-way delay: 26.237 ms

Loss rate: 0.03%



Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:15:46 +0000

End at: Sat, 01 Jul 2017 11:16:16 +0000

Local clock offset: 0.169 ms

Remote clock offset: -4.878 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:22:12 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 481.82 Mbit/s

95th percentile per-packet one-way delay: 27.969 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 281.43 Mbit/s

95th percentile per-packet one-way delay: 27.766 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 137.56 Mbit/s

95th percentile per-packet one-way delay: 28.030 ms

Loss rate: 0.05%

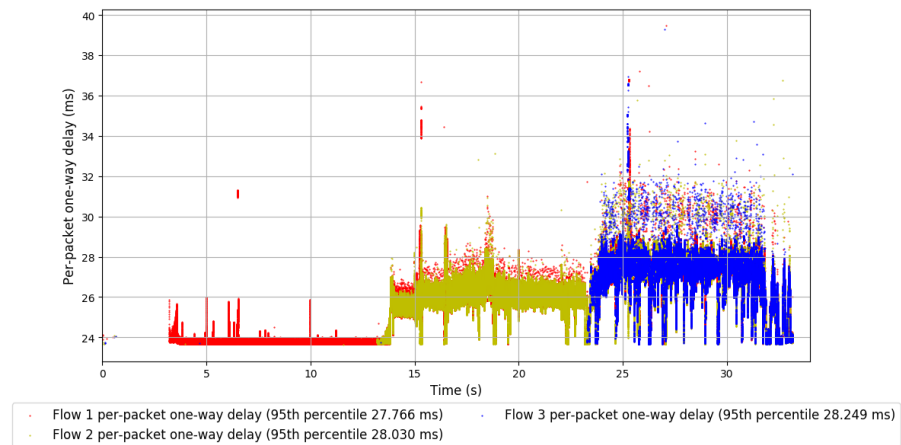
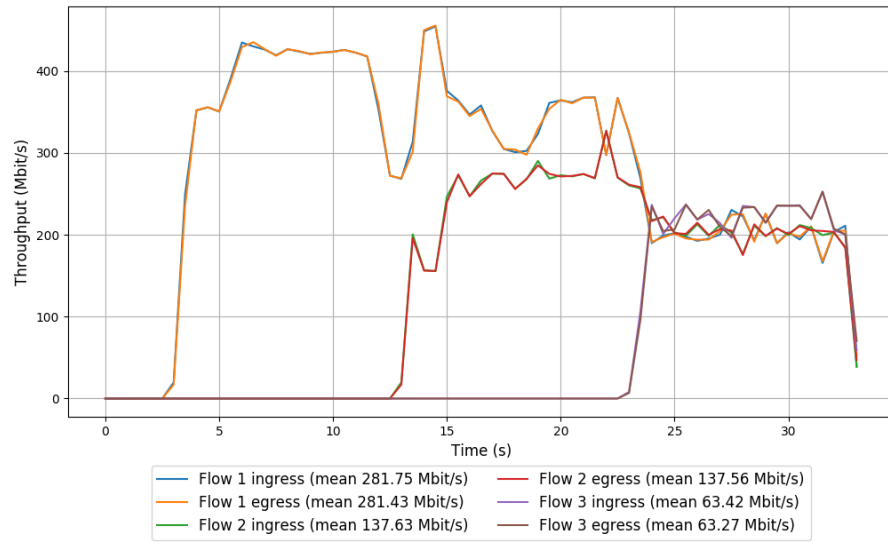
-- Flow 3:

Average throughput: 63.27 Mbit/s

95th percentile per-packet one-way delay: 28.249 ms

Loss rate: 0.25%

## Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:36:54 +0000

End at: Sat, 01 Jul 2017 11:37:24 +0000

Local clock offset: 0.006 ms

Remote clock offset: -4.556 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:22:24 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 487.99 Mbit/s

95th percentile per-packet one-way delay: 26.725 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 289.83 Mbit/s

95th percentile per-packet one-way delay: 26.436 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 143.71 Mbit/s

95th percentile per-packet one-way delay: 26.803 ms

Loss rate: 0.05%

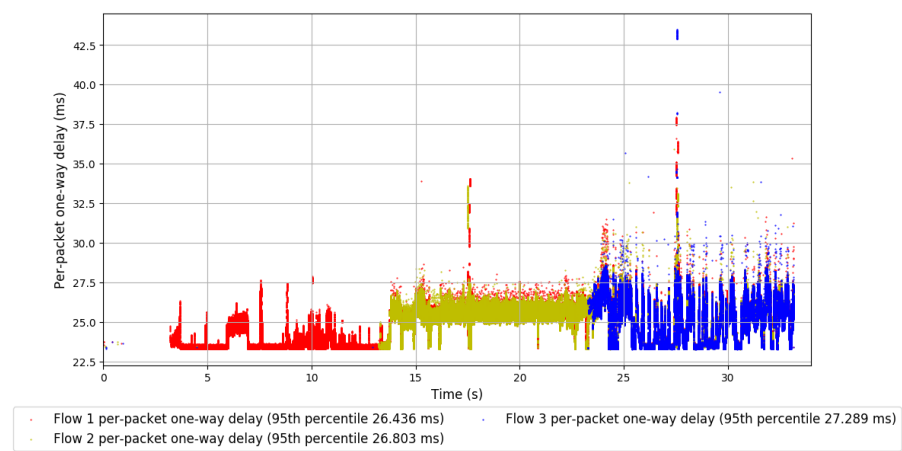
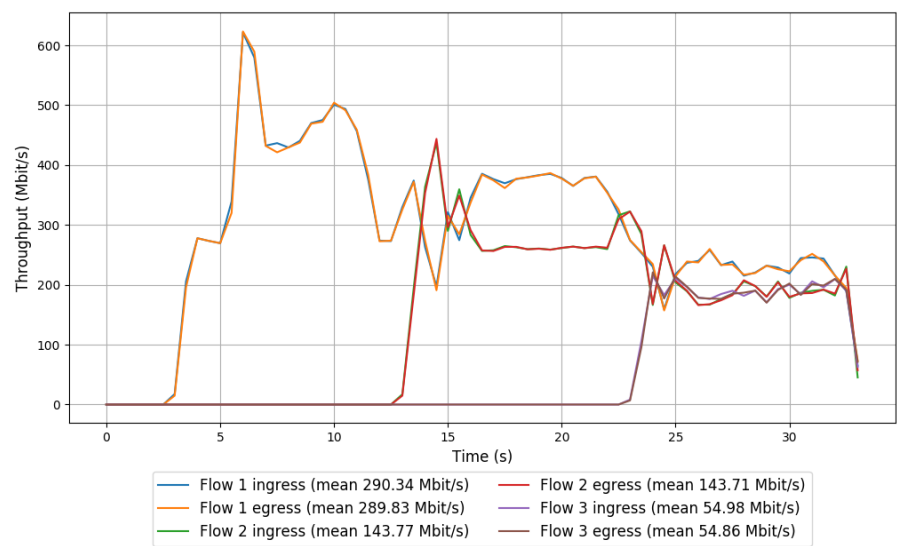
-- Flow 3:

Average throughput: 54.86 Mbit/s

95th percentile per-packet one-way delay: 27.289 ms

Loss rate: 0.22%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 11:57:46 +0000

End at: Sat, 01 Jul 2017 11:58:16 +0000

Local clock offset: 0.047 ms

Remote clock offset: -4.483 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:23:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 490.87 Mbit/s

95th percentile per-packet one-way delay: 27.743 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 290.94 Mbit/s

95th percentile per-packet one-way delay: 27.535 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 142.73 Mbit/s

95th percentile per-packet one-way delay: 27.779 ms

Loss rate: 0.05%

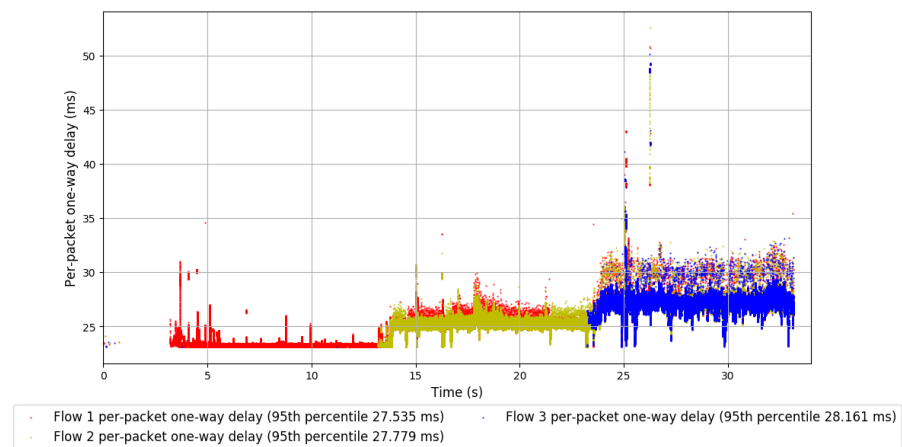
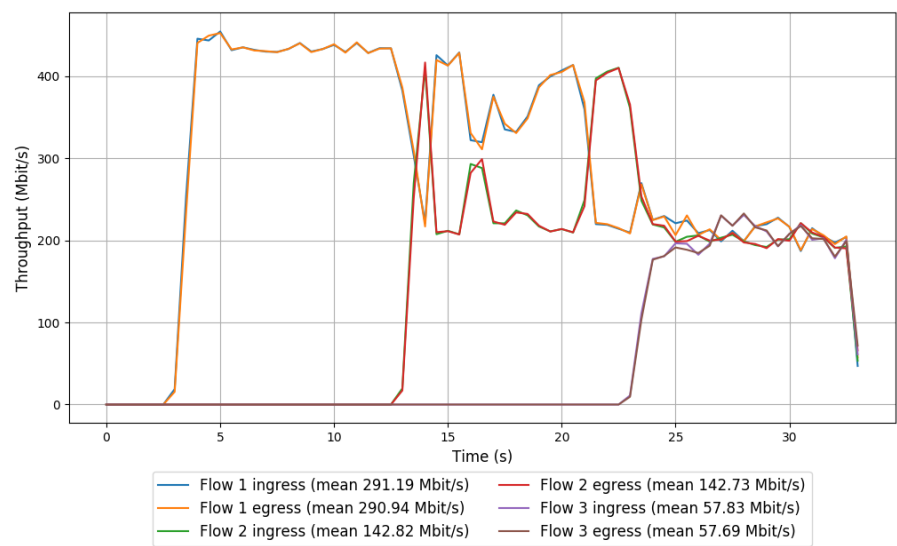
-- Flow 3:

Average throughput: 57.69 Mbit/s

95th percentile per-packet one-way delay: 28.161 ms

Loss rate: 0.26%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sat, 01 Jul 2017 12:18:44 +0000

End at: Sat, 01 Jul 2017 12:19:14 +0000

Local clock offset: 0.021 ms

Remote clock offset: -4.557 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:23:34 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 475.11 Mbit/s

95th percentile per-packet one-way delay: 27.208 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 284.50 Mbit/s

95th percentile per-packet one-way delay: 26.917 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 134.94 Mbit/s

95th percentile per-packet one-way delay: 27.245 ms

Loss rate: 0.01%

-- Flow 3:

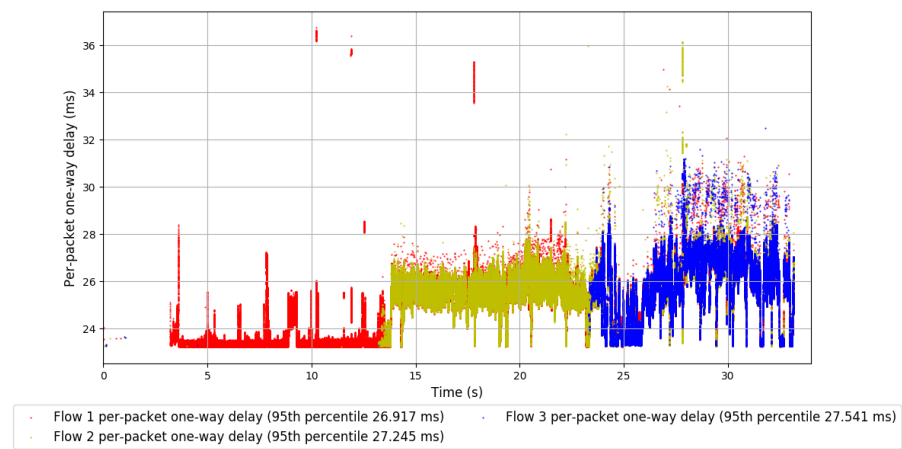
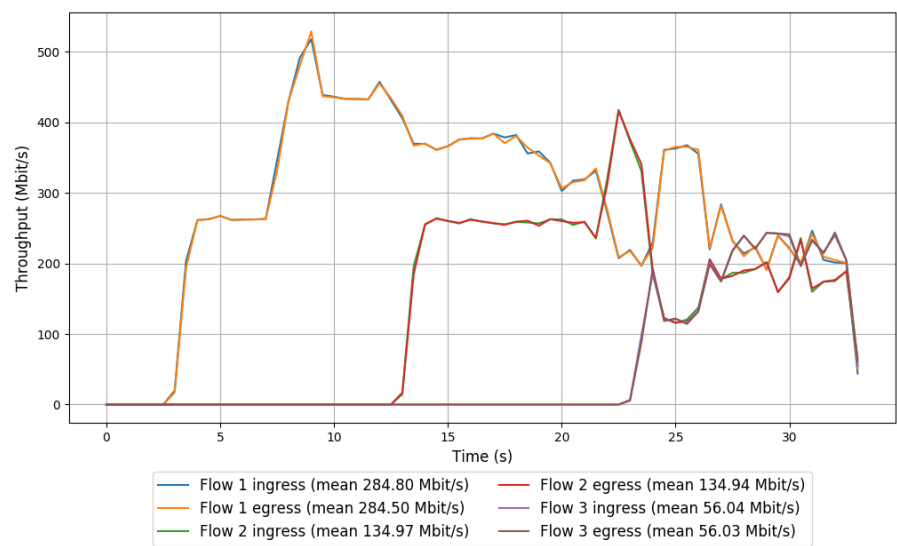
Average throughput: 56.03 Mbit/s

95th percentile per-packet one-way delay: 27.541 ms

Loss rate: 0.01%



Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sat, 01 Jul 2017 09:16:35 +0000

End at: Sat, 01 Jul 2017 09:17:05 +0000

Local clock offset: -0.238 ms

Remote clock offset: -5.569 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:23:51 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 107.34 Mbit/s

95th percentile per-packet one-way delay: 24.271 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 58.73 Mbit/s

95th percentile per-packet one-way delay: 24.279 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.35 Mbit/s

95th percentile per-packet one-way delay: 24.250 ms

Loss rate: 0.00%

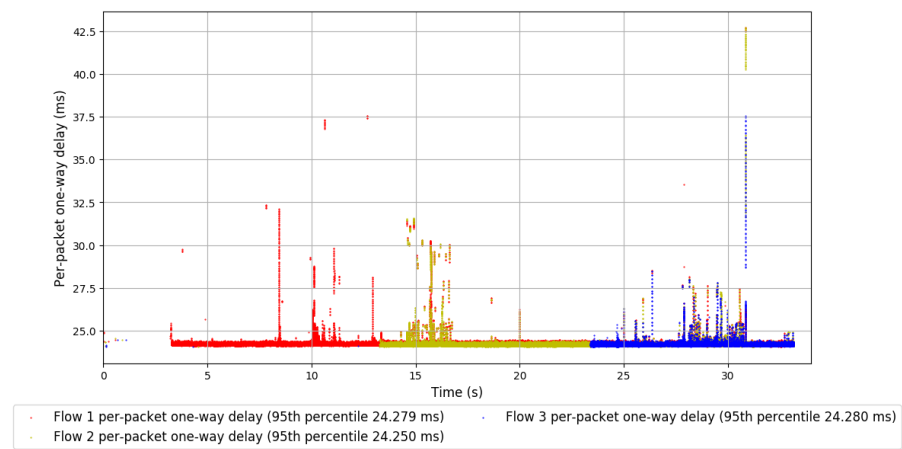
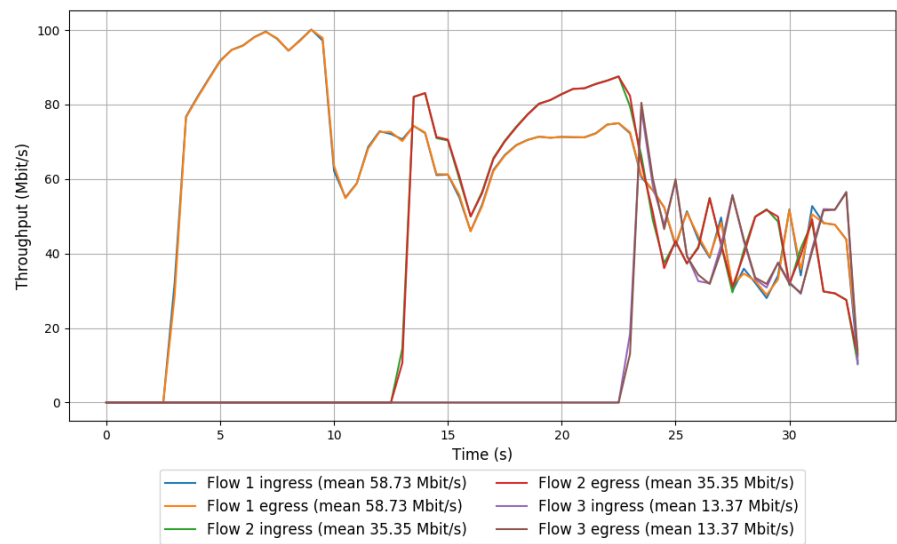
-- Flow 3:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 24.280 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sat, 01 Jul 2017 09:37:41 +0000

End at: Sat, 01 Jul 2017 09:38:11 +0000

Local clock offset: -0.031 ms

Remote clock offset: -5.636 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:24:06 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 117.68 Mbit/s

95th percentile per-packet one-way delay: 24.498 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 67.37 Mbit/s

95th percentile per-packet one-way delay: 24.490 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 37.63 Mbit/s

95th percentile per-packet one-way delay: 24.511 ms

Loss rate: 0.00%

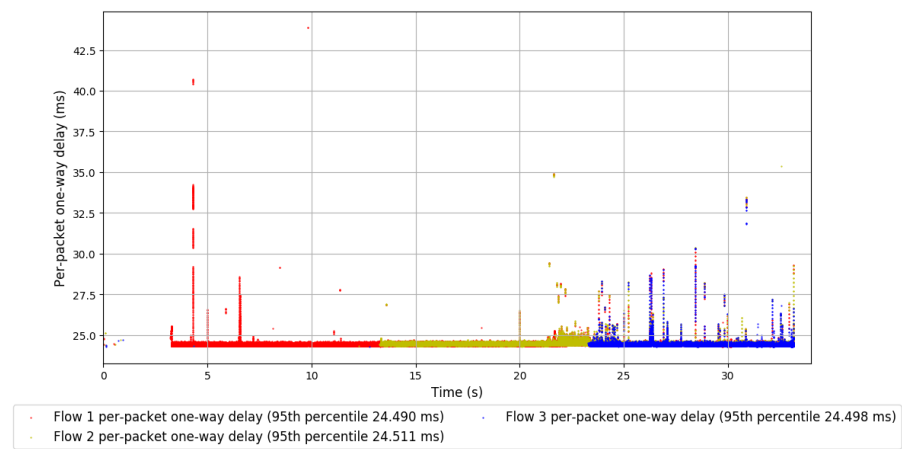
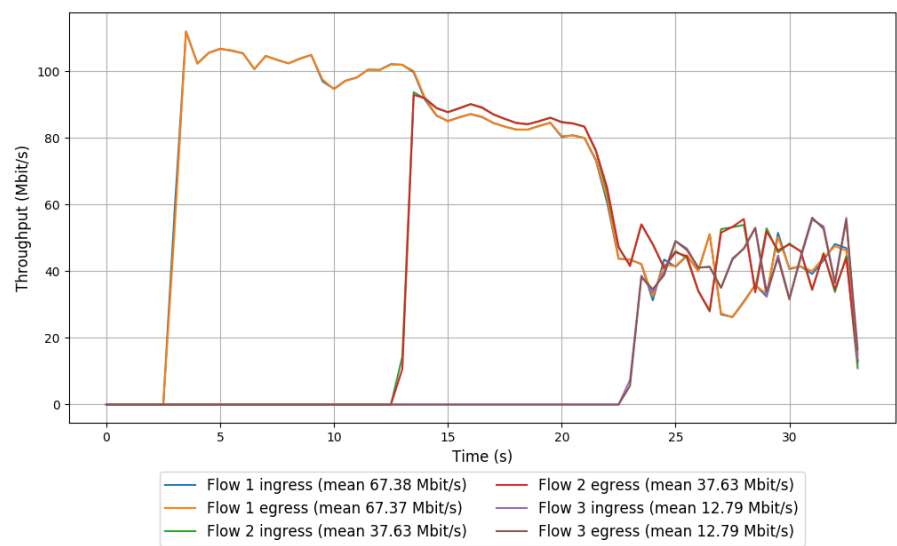
-- Flow 3:

Average throughput: 12.79 Mbit/s

95th percentile per-packet one-way delay: 24.498 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sat, 01 Jul 2017 09:58:51 +0000

End at: Sat, 01 Jul 2017 09:59:21 +0000

Local clock offset: 0.038 ms

Remote clock offset: -5.478 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:24:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 110.70 Mbit/s

95th percentile per-packet one-way delay: 24.353 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 61.14 Mbit/s

95th percentile per-packet one-way delay: 24.361 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 37.91 Mbit/s

95th percentile per-packet one-way delay: 24.347 ms

Loss rate: 0.00%

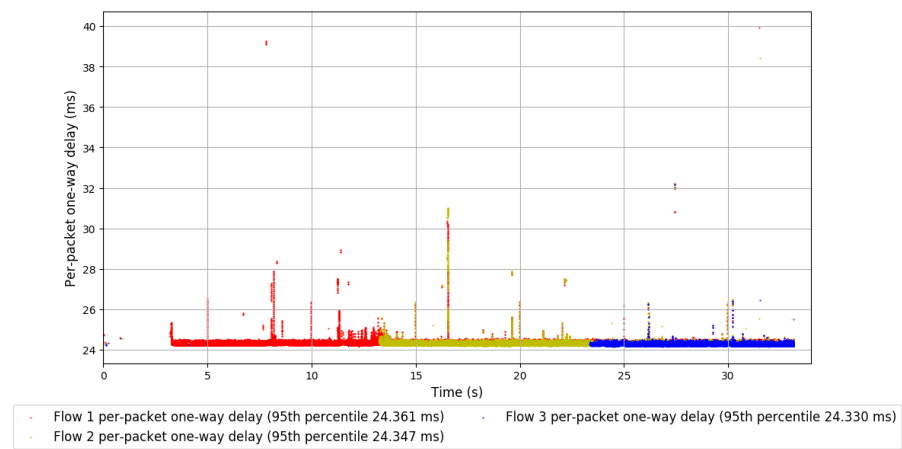
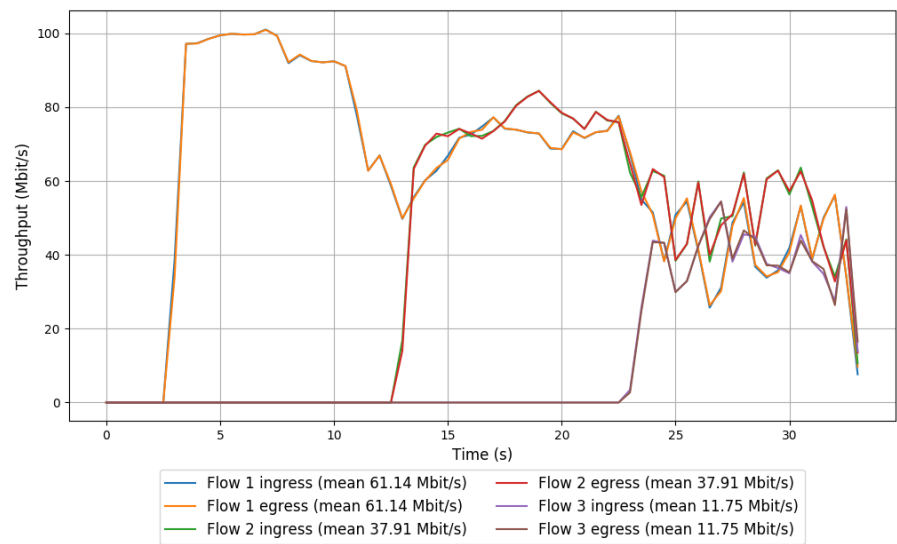
-- Flow 3:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 24.330 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sat, 01 Jul 2017 10:19:40 +0000

End at: Sat, 01 Jul 2017 10:20:10 +0000

Local clock offset: 0.079 ms

Remote clock offset: -4.939 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:24:37 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 112.41 Mbit/s

95th percentile per-packet one-way delay: 23.893 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.32 Mbit/s

95th percentile per-packet one-way delay: 23.890 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 32.32 Mbit/s

95th percentile per-packet one-way delay: 23.891 ms

Loss rate: 0.00%

-- Flow 3:

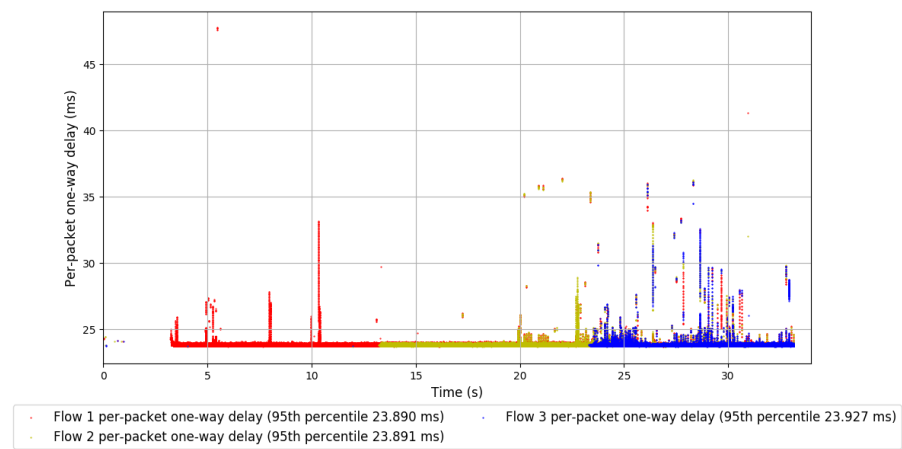
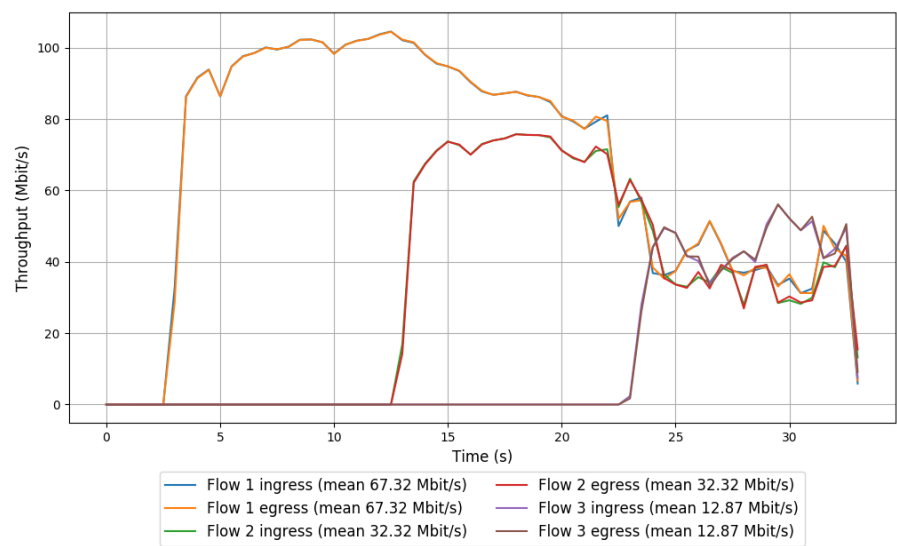
Average throughput: 12.87 Mbit/s

95th percentile per-packet one-way delay: 23.927 ms

Loss rate: 0.00%



Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sat, 01 Jul 2017 10:40:23 +0000

End at: Sat, 01 Jul 2017 10:40:53 +0000

Local clock offset: 0.131 ms

Remote clock offset: -4.746 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:24:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 109.67 Mbit/s

95th percentile per-packet one-way delay: 23.665 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 60.65 Mbit/s

95th percentile per-packet one-way delay: 23.657 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 36.64 Mbit/s

95th percentile per-packet one-way delay: 23.674 ms

Loss rate: 0.03%

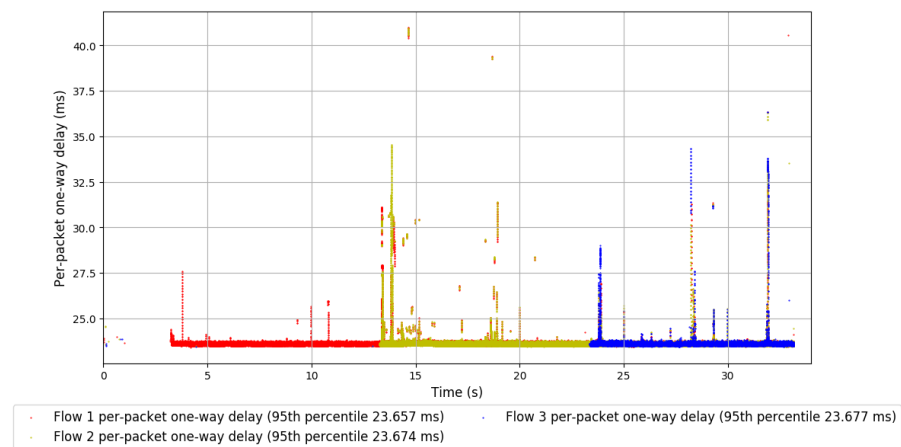
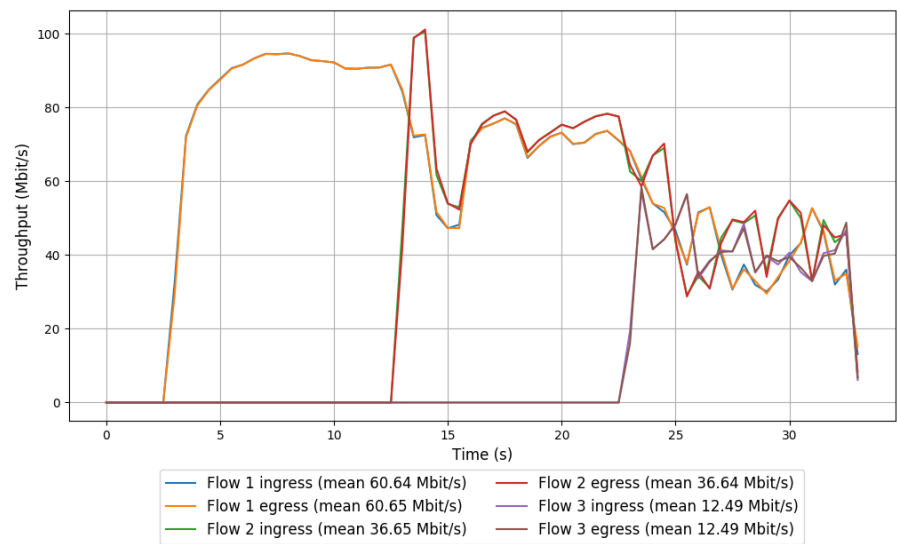
-- Flow 3:

Average throughput: 12.49 Mbit/s

95th percentile per-packet one-way delay: 23.677 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sat, 01 Jul 2017 11:01:15 +0000

End at: Sat, 01 Jul 2017 11:01:45 +0000

Local clock offset: 0.164 ms

Remote clock offset: -4.549 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:25:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 121.56 Mbit/s

95th percentile per-packet one-way delay: 23.517 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 69.90 Mbit/s

95th percentile per-packet one-way delay: 23.517 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 36.74 Mbit/s

95th percentile per-packet one-way delay: 23.505 ms

Loss rate: 0.00%

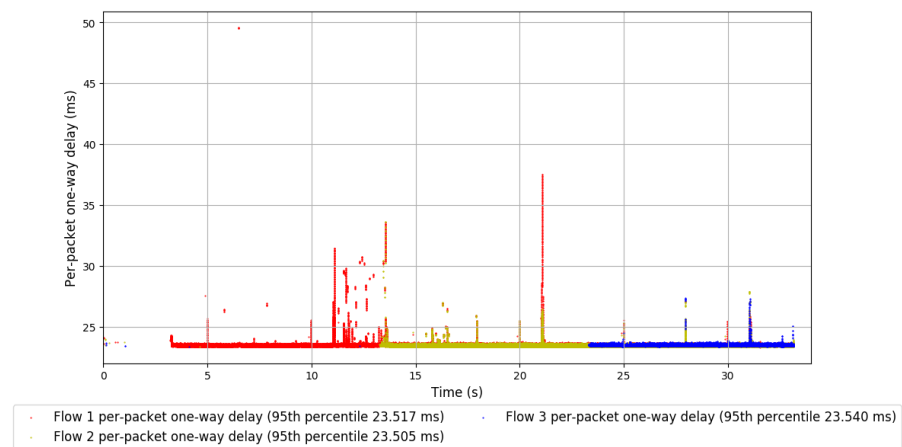
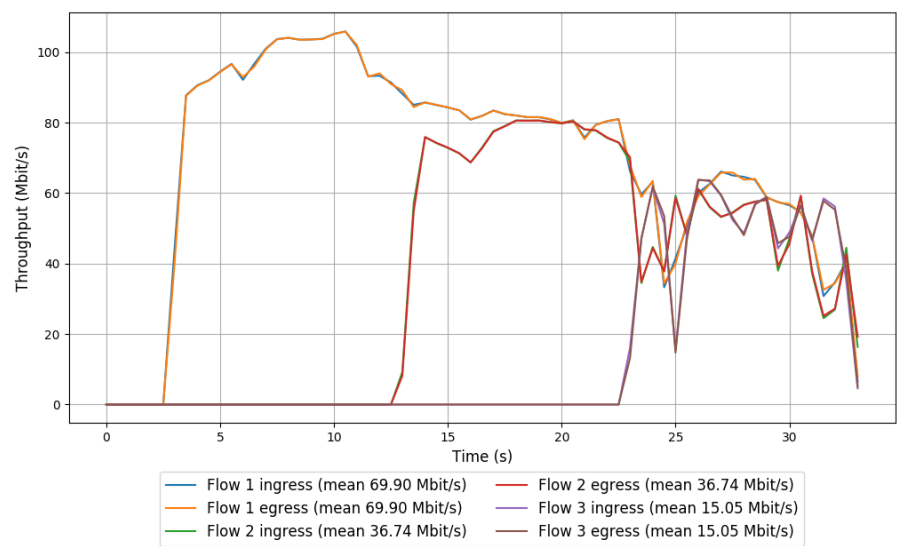
-- Flow 3:

Average throughput: 15.05 Mbit/s

95th percentile per-packet one-way delay: 23.540 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sat, 01 Jul 2017 11:22:29 +0000

End at: Sat, 01 Jul 2017 11:22:59 +0000

Local clock offset: 0.154 ms

Remote clock offset: -4.837 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:25:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 119.71 Mbit/s

95th percentile per-packet one-way delay: 23.778 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 67.78 Mbit/s

95th percentile per-packet one-way delay: 23.770 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 38.68 Mbit/s

95th percentile per-packet one-way delay: 23.790 ms

Loss rate: 0.00%

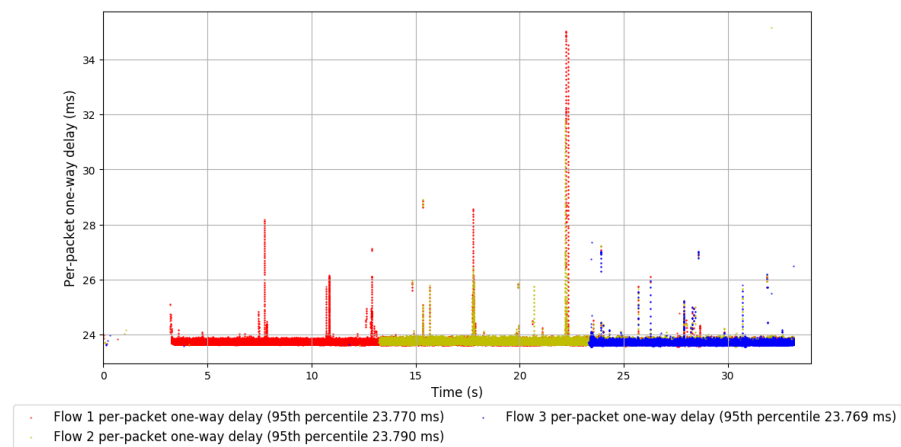
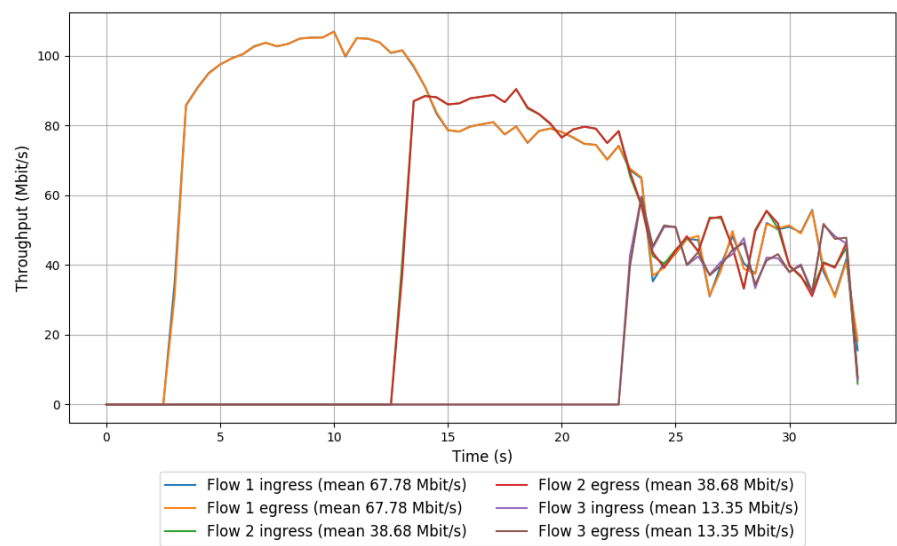
-- Flow 3:

Average throughput: 13.35 Mbit/s

95th percentile per-packet one-way delay: 23.769 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sat, 01 Jul 2017 11:43:38 +0000

End at: Sat, 01 Jul 2017 11:44:08 +0000

Local clock offset: -0.047 ms

Remote clock offset: -4.558 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:25:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 105.71 Mbit/s

95th percentile per-packet one-way delay: 23.379 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 59.89 Mbit/s

95th percentile per-packet one-way delay: 23.376 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 34.25 Mbit/s

95th percentile per-packet one-way delay: 23.372 ms

Loss rate: 0.00%

-- Flow 3:

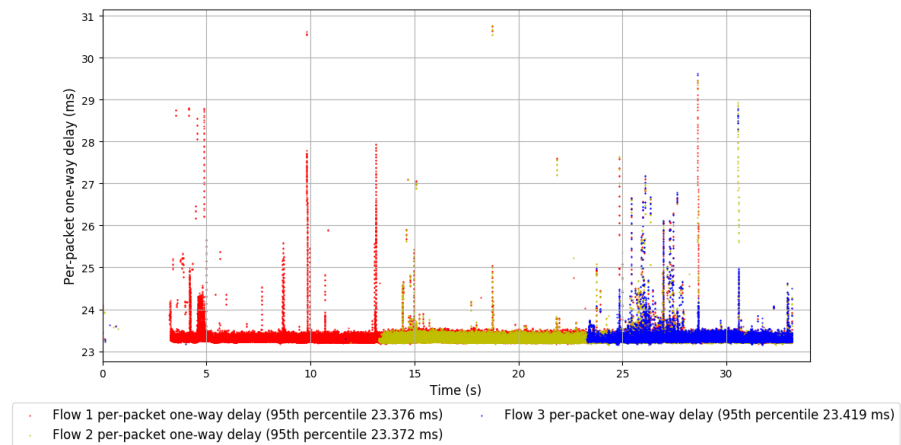
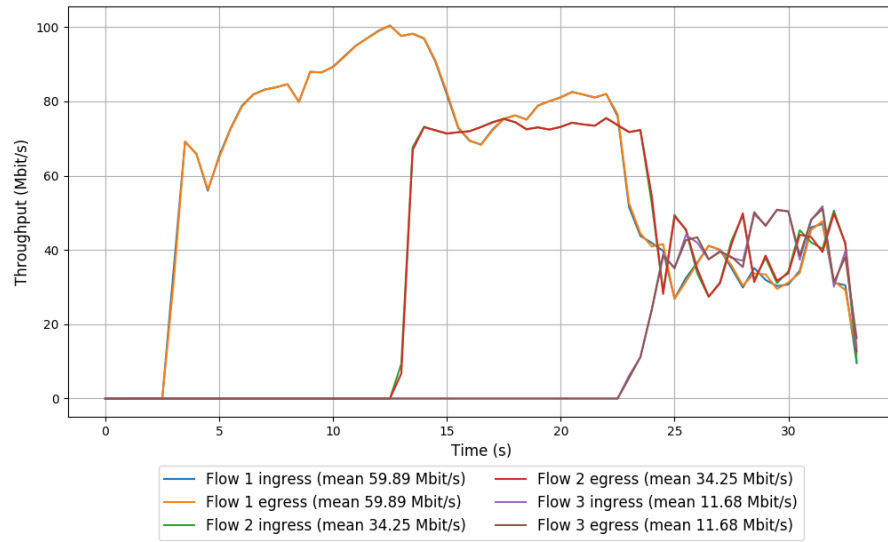
Average throughput: 11.68 Mbit/s

95th percentile per-packet one-way delay: 23.419 ms

Loss rate: 0.01%



## Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sat, 01 Jul 2017 12:04:30 +0000

End at: Sat, 01 Jul 2017 12:05:00 +0000

Local clock offset: 0.039 ms

Remote clock offset: -4.366 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:25:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 104.32 Mbit/s

95th percentile per-packet one-way delay: 23.129 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 81.95 Mbit/s

95th percentile per-packet one-way delay: 23.115 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 23.696 ms

Loss rate: 0.00%

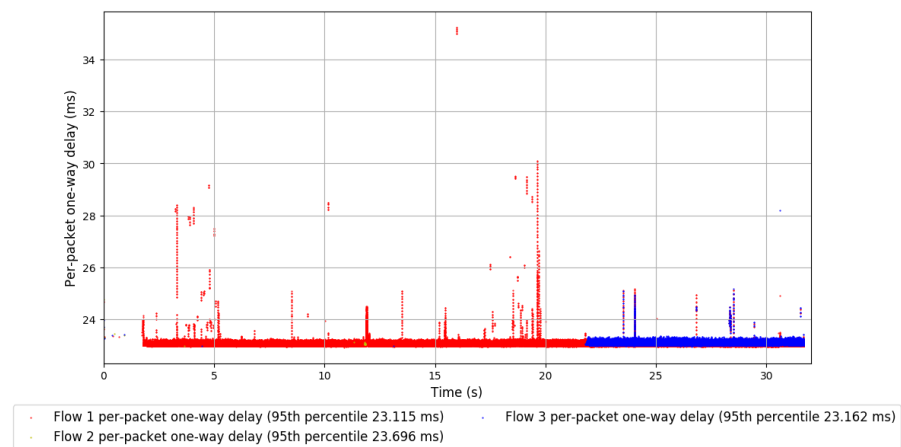
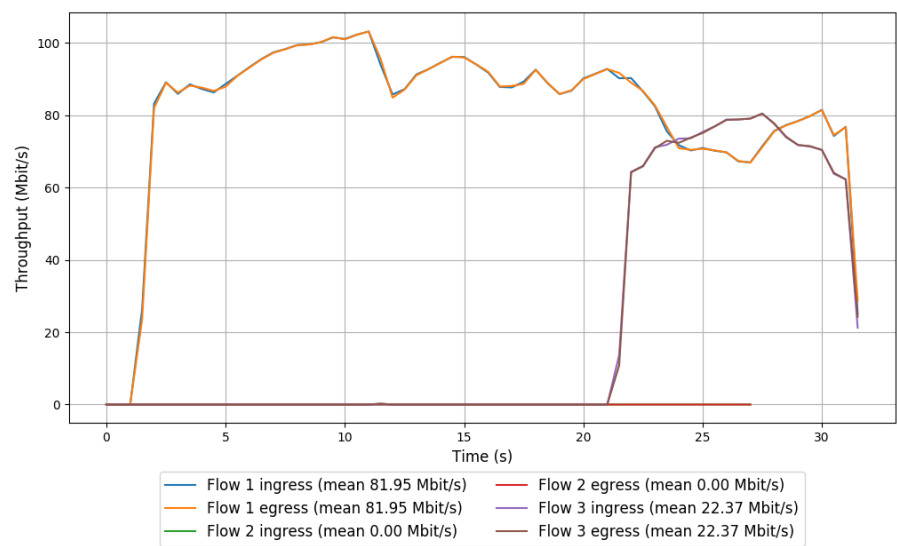
-- Flow 3:

Average throughput: 22.37 Mbit/s

95th percentile per-packet one-way delay: 23.162 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sat, 01 Jul 2017 12:25:27 +0000

End at: Sat, 01 Jul 2017 12:25:57 +0000

Local clock offset: 0.037 ms

Remote clock offset: -4.712 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:26:10 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 114.65 Mbit/s

95th percentile per-packet one-way delay: 23.527 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 71.73 Mbit/s

95th percentile per-packet one-way delay: 23.519 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 42.99 Mbit/s

95th percentile per-packet one-way delay: 23.540 ms

Loss rate: 0.00%

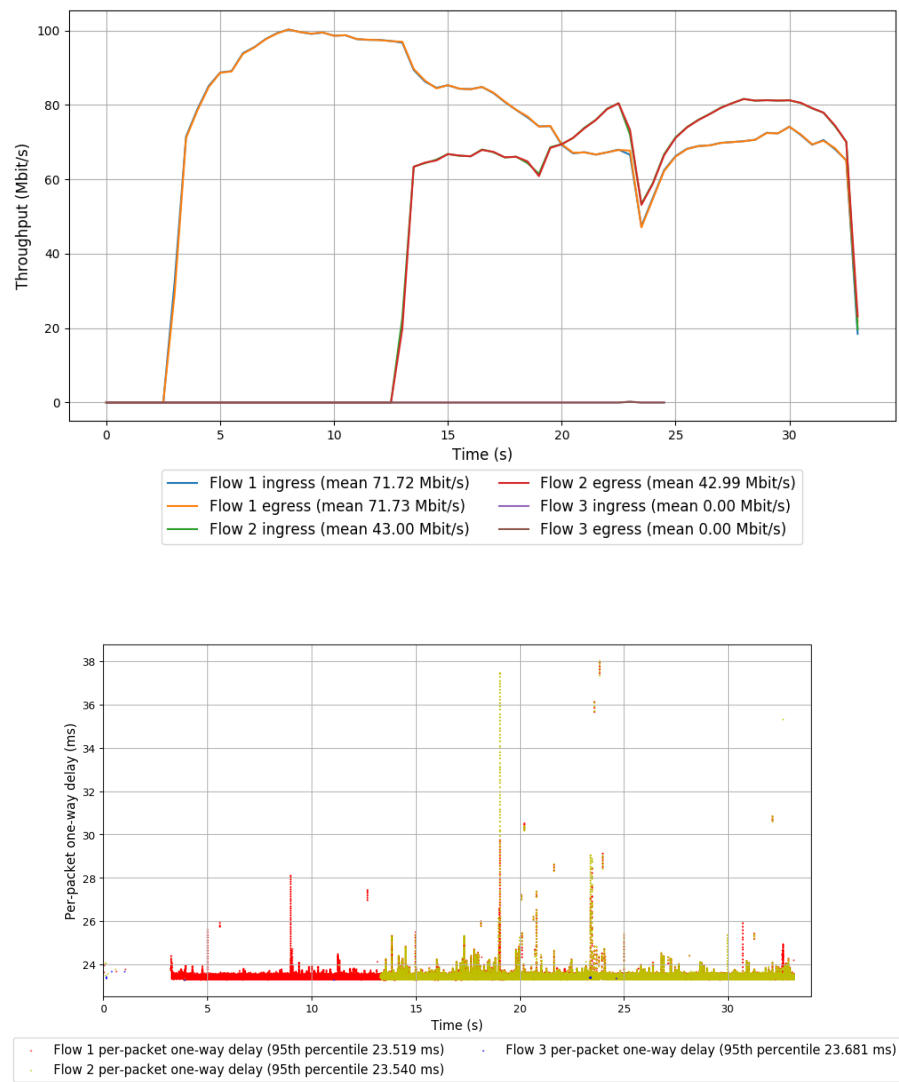
-- Flow 3:

Average throughput: 0.00 Mbit/s

95th percentile per-packet one-way delay: 23.681 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 09:08:22 +0000

End at: Sat, 01 Jul 2017 09:08:52 +0000

Local clock offset: -0.319 ms

Remote clock offset: -5.636 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:26:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 314.78 Mbit/s

95th percentile per-packet one-way delay: 26.358 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 150.79 Mbit/s

95th percentile per-packet one-way delay: 26.060 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 102.96 Mbit/s

95th percentile per-packet one-way delay: 26.330 ms

Loss rate: 0.09%

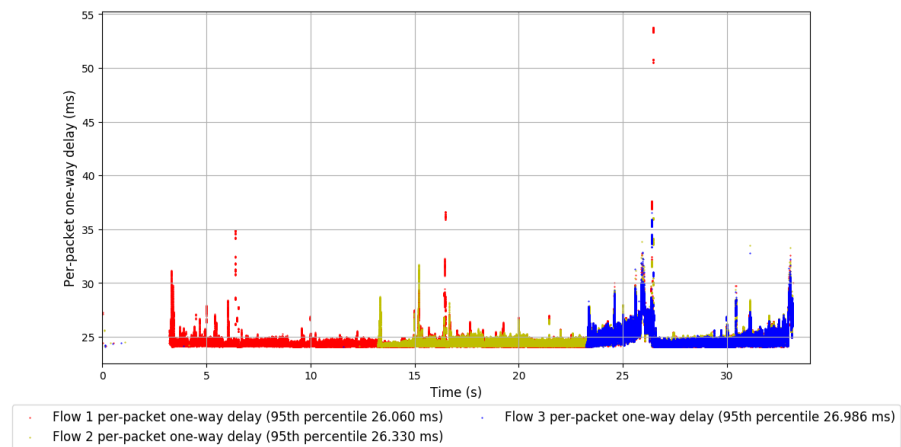
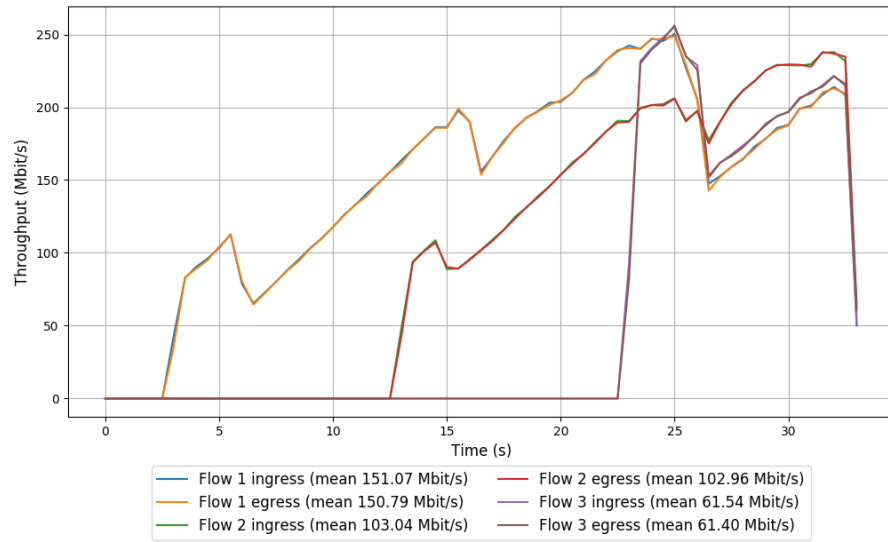
-- Flow 3:

Average throughput: 61.40 Mbit/s

95th percentile per-packet one-way delay: 26.986 ms

Loss rate: 0.20%

## Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 09:29:29 +0000

End at: Sat, 01 Jul 2017 09:29:59 +0000

Local clock offset: -0.12 ms

Remote clock offset: -5.646 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:26:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 327.25 Mbit/s

95th percentile per-packet one-way delay: 27.448 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 127.10 Mbit/s

95th percentile per-packet one-way delay: 27.292 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 111.61 Mbit/s

95th percentile per-packet one-way delay: 27.448 ms

Loss rate: 0.16%

-- Flow 3:

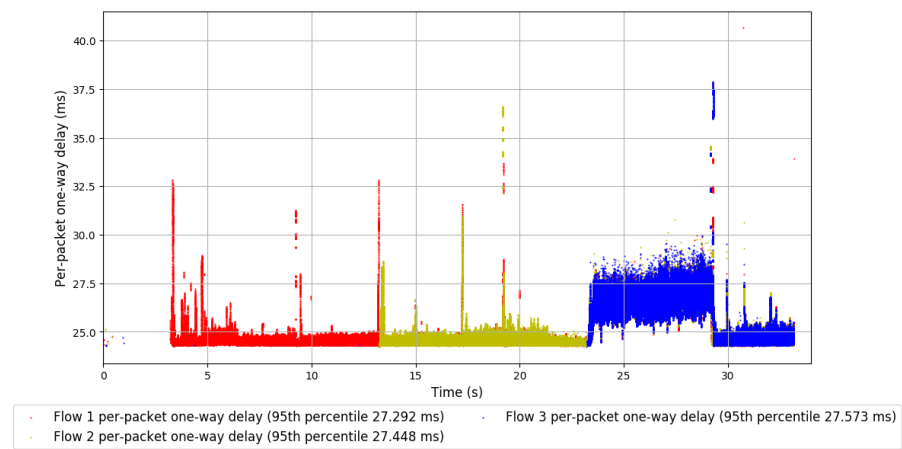
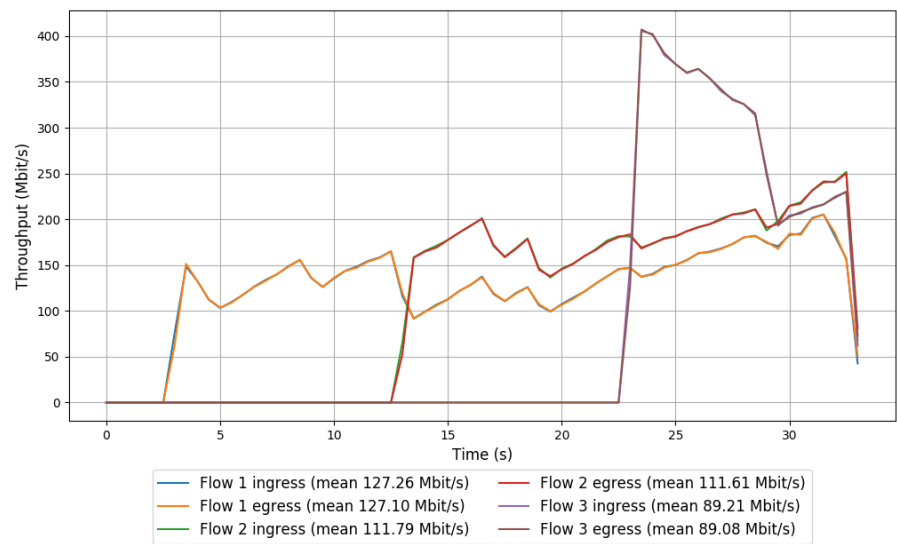
Average throughput: 89.08 Mbit/s

95th percentile per-packet one-way delay: 27.573 ms

Loss rate: 0.17%



Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 09:50:33 +0000

End at: Sat, 01 Jul 2017 09:51:03 +0000

Local clock offset: 0.023 ms

Remote clock offset: -5.738 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:27:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 402.57 Mbit/s

95th percentile per-packet one-way delay: 29.013 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 179.51 Mbit/s

95th percentile per-packet one-way delay: 28.879 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 156.71 Mbit/s

95th percentile per-packet one-way delay: 28.939 ms

Loss rate: 0.11%

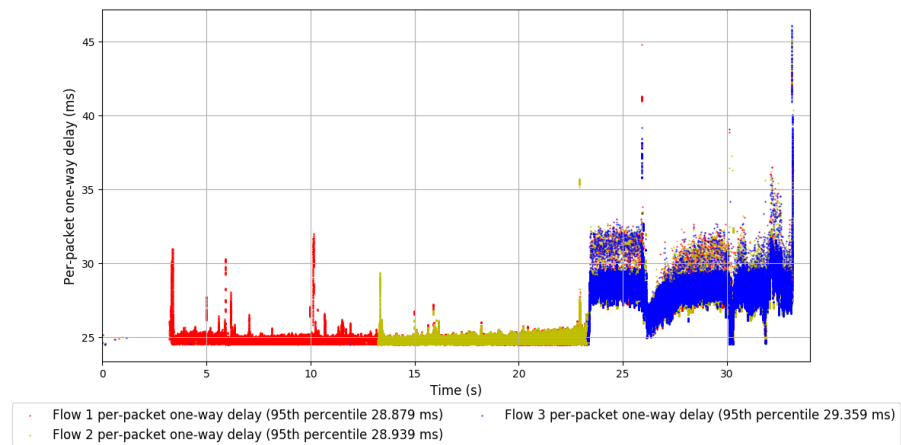
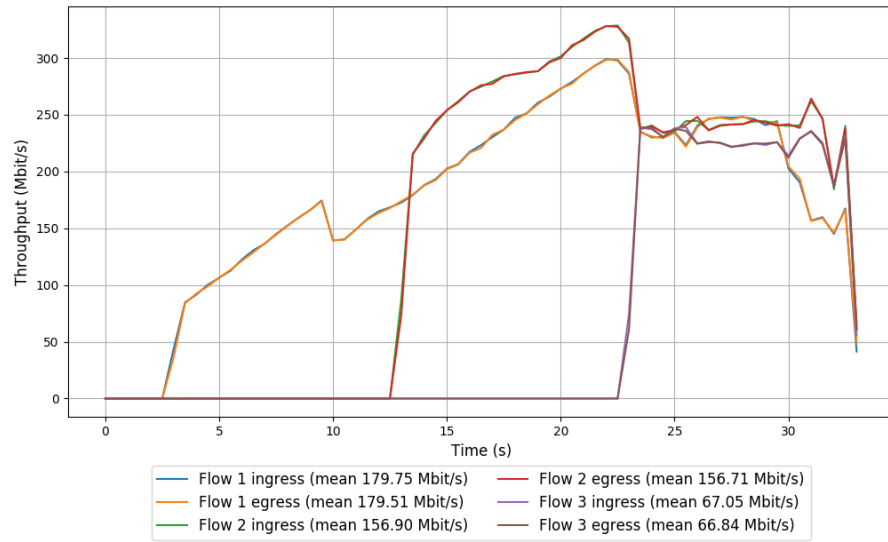
-- Flow 3:

Average throughput: 66.84 Mbit/s

95th percentile per-packet one-way delay: 29.359 ms

Loss rate: 0.29%

### Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 10:11:32 +0000

End at: Sat, 01 Jul 2017 10:12:02 +0000

Local clock offset: 0.163 ms

Remote clock offset: -5.152 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:27:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 303.20 Mbit/s

95th percentile per-packet one-way delay: 25.082 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 133.13 Mbit/s

95th percentile per-packet one-way delay: 24.867 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 116.38 Mbit/s

95th percentile per-packet one-way delay: 25.054 ms

Loss rate: 0.15%

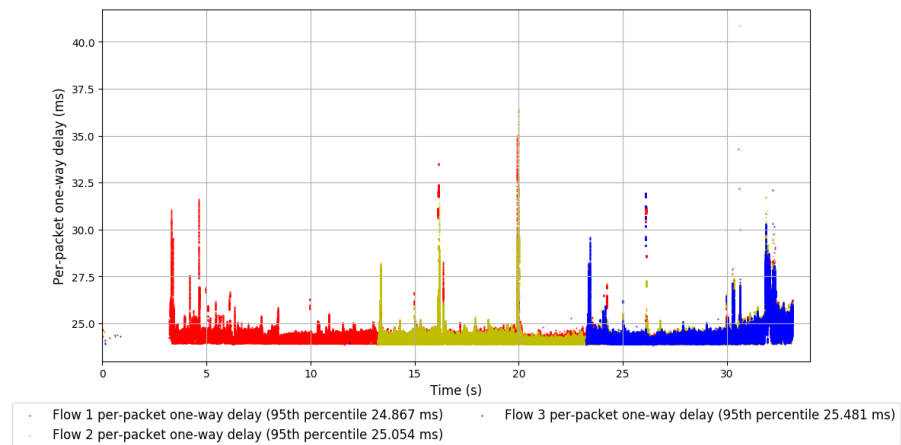
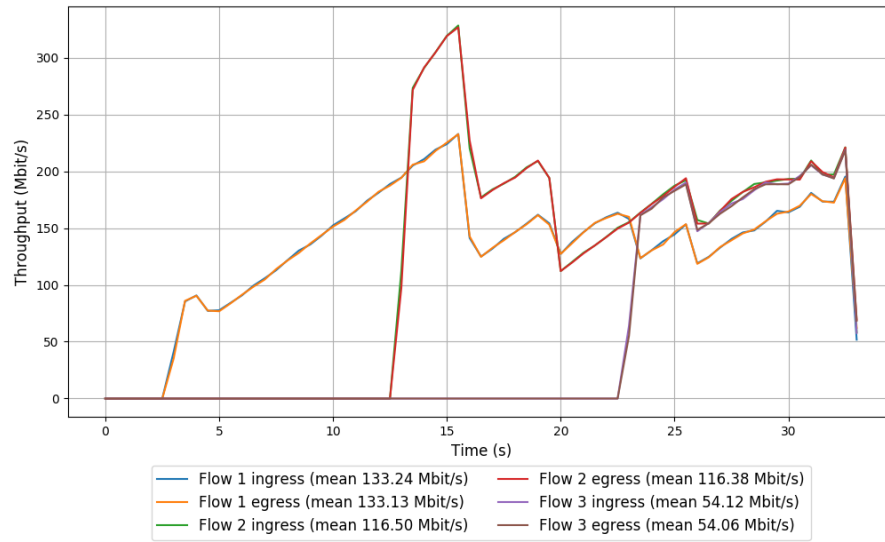
-- Flow 3:

Average throughput: 54.06 Mbit/s

95th percentile per-packet one-way delay: 25.481 ms

Loss rate: 0.13%

# Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 10:32:25 +0000

End at: Sat, 01 Jul 2017 10:32:55 +0000

Local clock offset: 0.132 ms

Remote clock offset: -4.951 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:28:12 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 285.72 Mbit/s

95th percentile per-packet one-way delay: 24.376 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 143.03 Mbit/s

95th percentile per-packet one-way delay: 24.370 ms

Loss rate: 0.16%

-- Flow 2:

Average throughput: 99.02 Mbit/s

95th percentile per-packet one-way delay: 24.400 ms

Loss rate: 0.16%

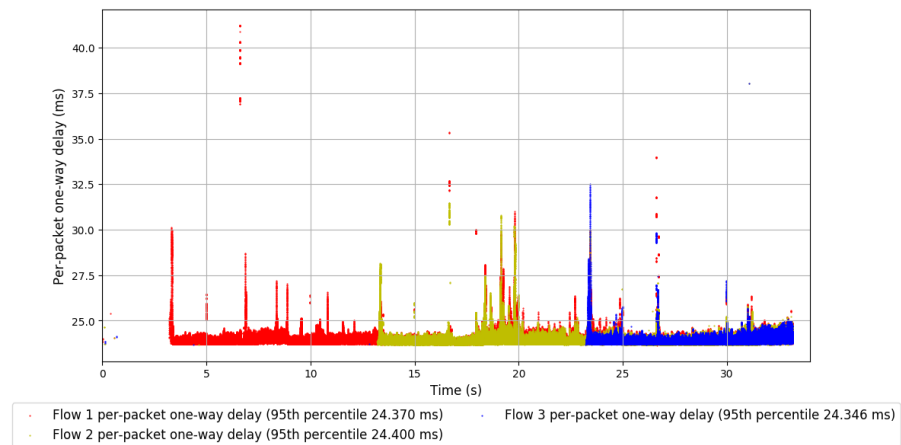
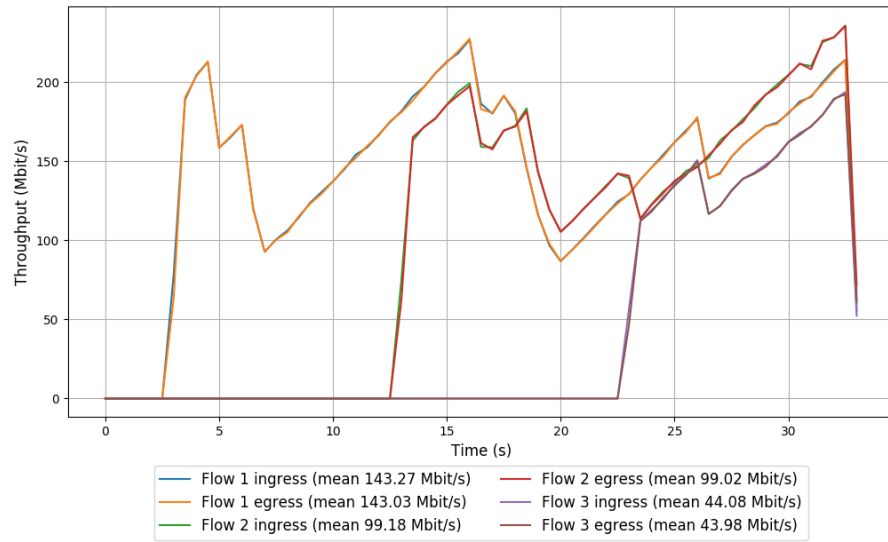
-- Flow 3:

Average throughput: 43.98 Mbit/s

95th percentile per-packet one-way delay: 24.346 ms

Loss rate: 0.23%

## Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 10:53:15 +0000

End at: Sat, 01 Jul 2017 10:53:45 +0000

Local clock offset: 0.07 ms

Remote clock offset: -4.522 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:28:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 403.67 Mbit/s

95th percentile per-packet one-way delay: 27.415 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 183.40 Mbit/s

95th percentile per-packet one-way delay: 27.282 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 156.14 Mbit/s

95th percentile per-packet one-way delay: 27.342 ms

Loss rate: 0.02%

-- Flow 3:

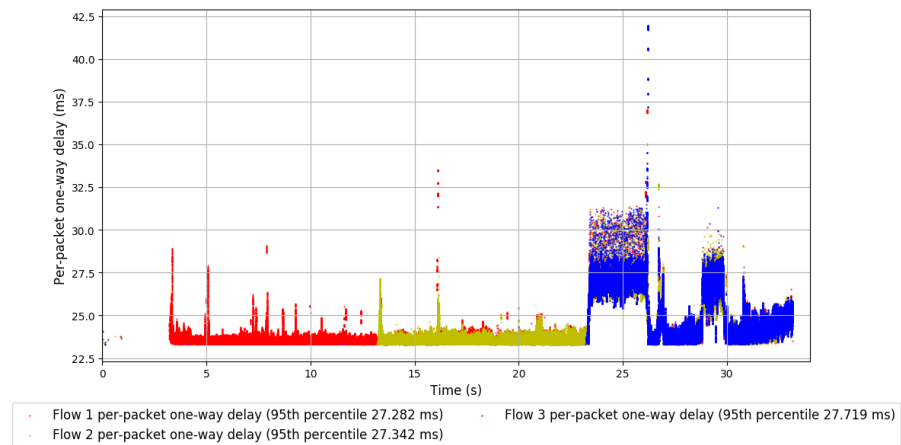
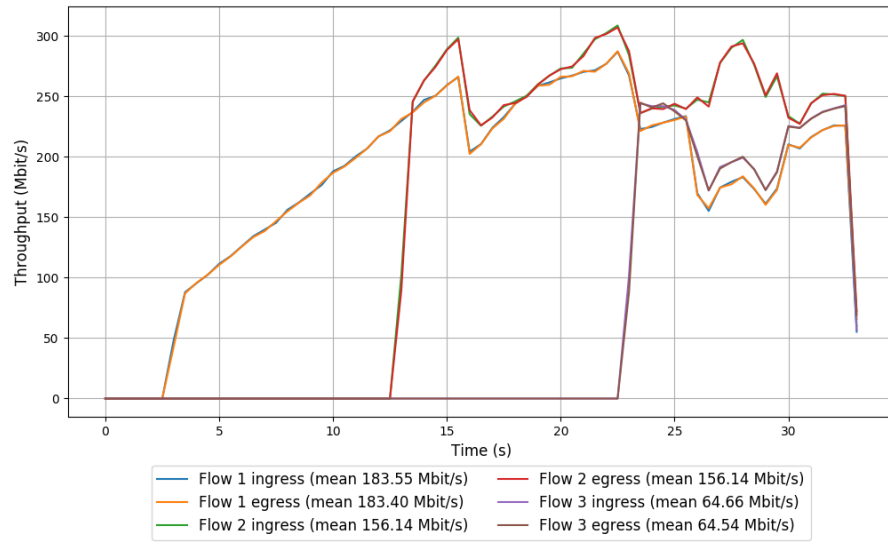
Average throughput: 64.54 Mbit/s

95th percentile per-packet one-way delay: 27.719 ms

Loss rate: 0.20%



## Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:14:10 +0000

End at: Sat, 01 Jul 2017 11:14:40 +0000

Local clock offset: 0.152 ms

Remote clock offset: -4.793 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:29:17 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 477.38 Mbit/s

95th percentile per-packet one-way delay: 27.819 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 215.68 Mbit/s

95th percentile per-packet one-way delay: 27.742 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 185.68 Mbit/s

95th percentile per-packet one-way delay: 27.737 ms

Loss rate: 0.11%

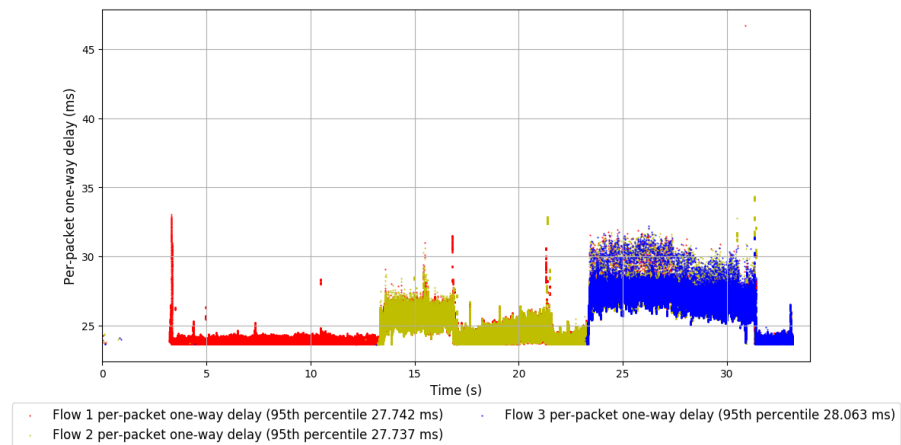
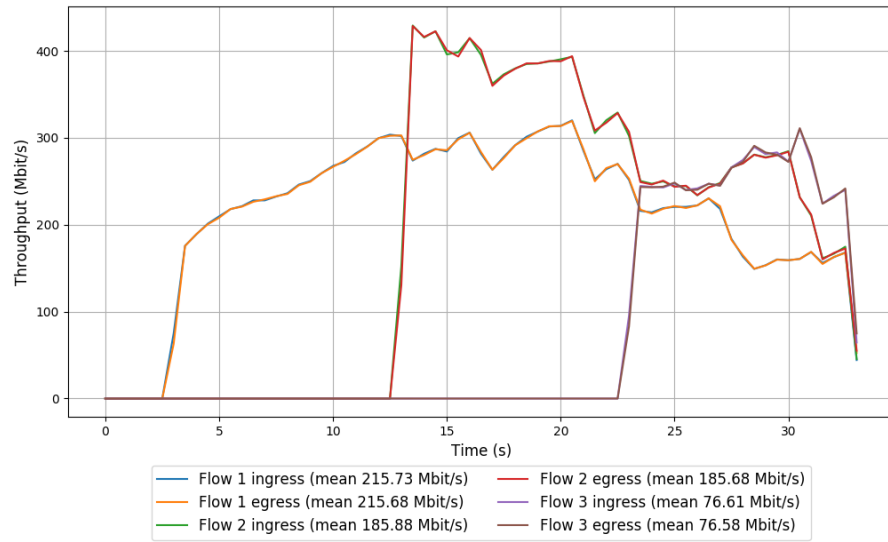
-- Flow 3:

Average throughput: 76.58 Mbit/s

95th percentile per-packet one-way delay: 28.063 ms

Loss rate: 0.03%

## Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:35:21 +0000

End at: Sat, 01 Jul 2017 11:35:51 +0000

Local clock offset: 0.004 ms

Remote clock offset: -4.661 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:29:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 408.72 Mbit/s

95th percentile per-packet one-way delay: 27.134 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 178.64 Mbit/s

95th percentile per-packet one-way delay: 26.974 ms

Loss rate: 0.18%

-- Flow 2:

Average throughput: 142.11 Mbit/s

95th percentile per-packet one-way delay: 27.186 ms

Loss rate: 0.12%

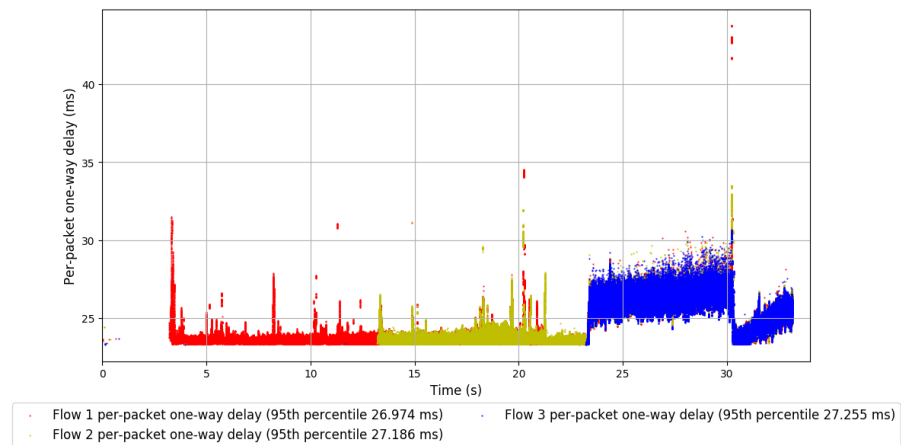
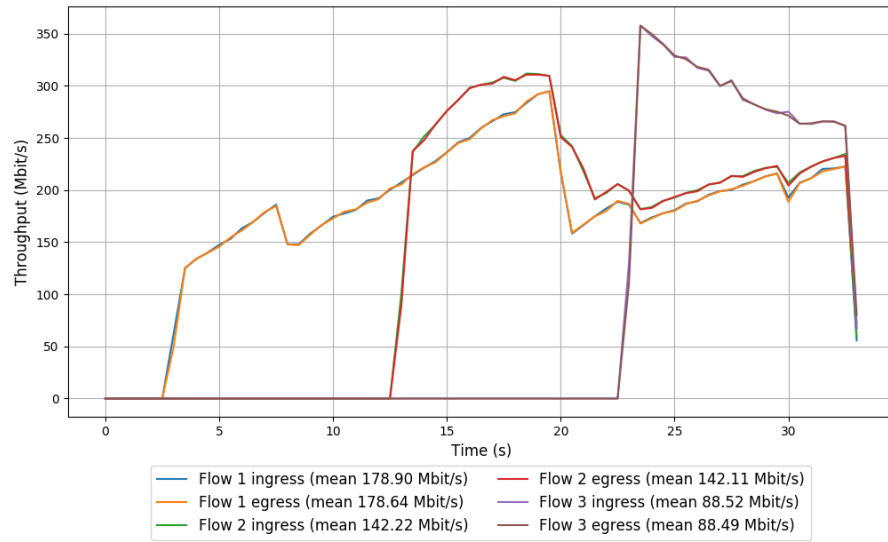
-- Flow 3:

Average throughput: 88.49 Mbit/s

95th percentile per-packet one-way delay: 27.255 ms

Loss rate: 0.07%

## Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 11:56:14 +0000

End at: Sat, 01 Jul 2017 11:56:44 +0000

Local clock offset: 0.047 ms

Remote clock offset: -4.529 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:30:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 395.62 Mbit/s

95th percentile per-packet one-way delay: 26.839 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 179.34 Mbit/s

95th percentile per-packet one-way delay: 26.703 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 145.02 Mbit/s

95th percentile per-packet one-way delay: 26.844 ms

Loss rate: 0.09%

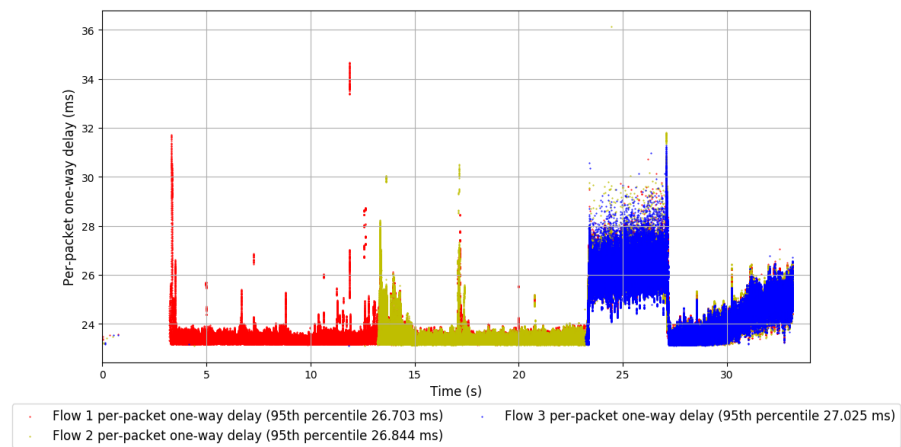
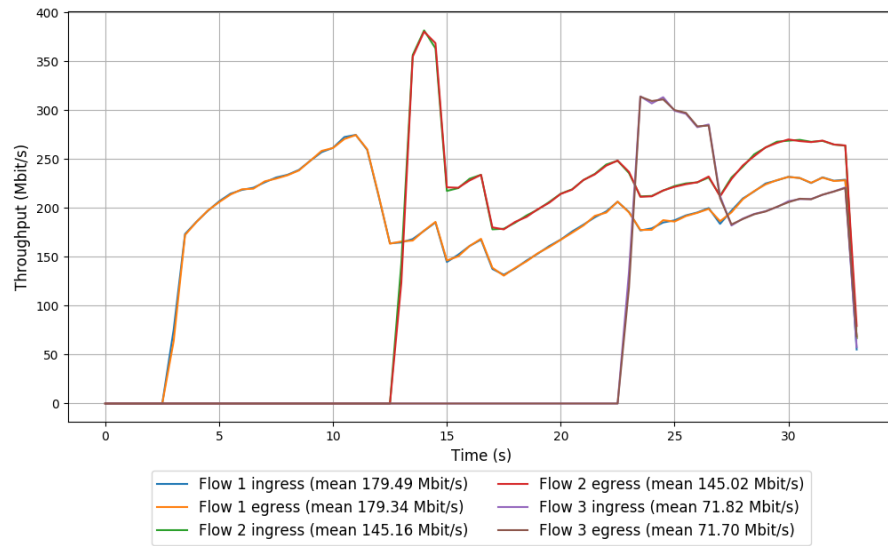
-- Flow 3:

Average throughput: 71.70 Mbit/s

95th percentile per-packet one-way delay: 27.025 ms

Loss rate: 0.16%

## Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sat, 01 Jul 2017 12:17:17 +0000

End at: Sat, 01 Jul 2017 12:17:47 +0000

Local clock offset: -0.073 ms

Remote clock offset: -4.539 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:30:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 289.76 Mbit/s

95th percentile per-packet one-way delay: 24.171 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 143.00 Mbit/s

95th percentile per-packet one-way delay: 24.085 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 99.16 Mbit/s

95th percentile per-packet one-way delay: 24.254 ms

Loss rate: 0.11%

-- Flow 3:

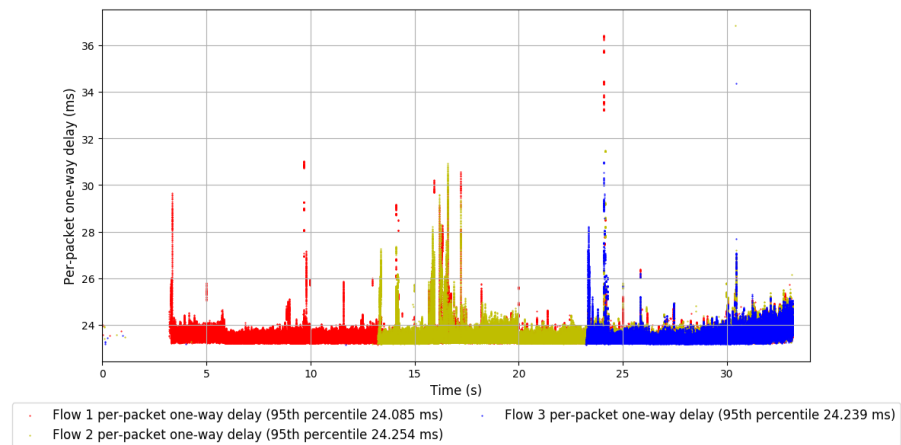
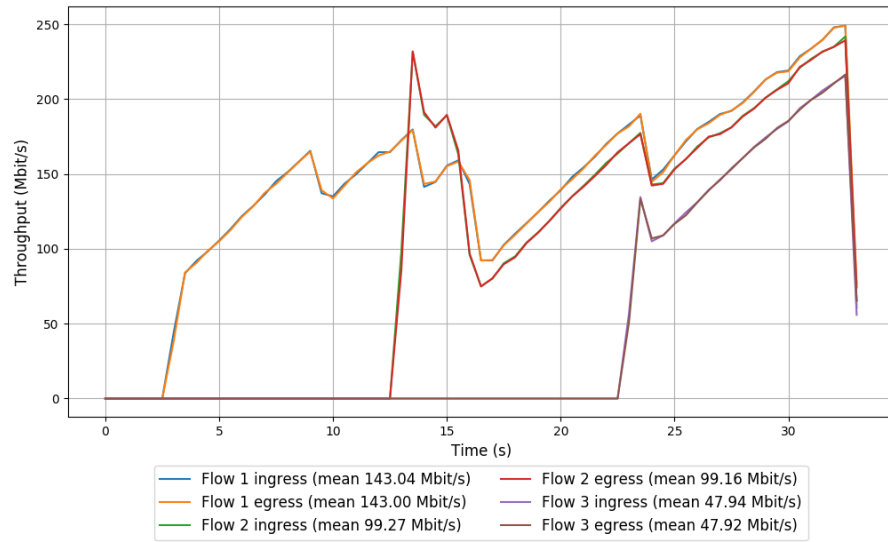
Average throughput: 47.92 Mbit/s

95th percentile per-packet one-way delay: 24.239 ms

Loss rate: 0.03%



# Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 09:23:31 +0000

End at: Sat, 01 Jul 2017 09:24:01 +0000

Local clock offset: -0.189 ms

Remote clock offset: -5.592 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:30:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 107.44 Mbit/s

95th percentile per-packet one-way delay: 24.640 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.81 Mbit/s

95th percentile per-packet one-way delay: 24.708 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.76 Mbit/s

95th percentile per-packet one-way delay: 24.594 ms

Loss rate: 0.00%

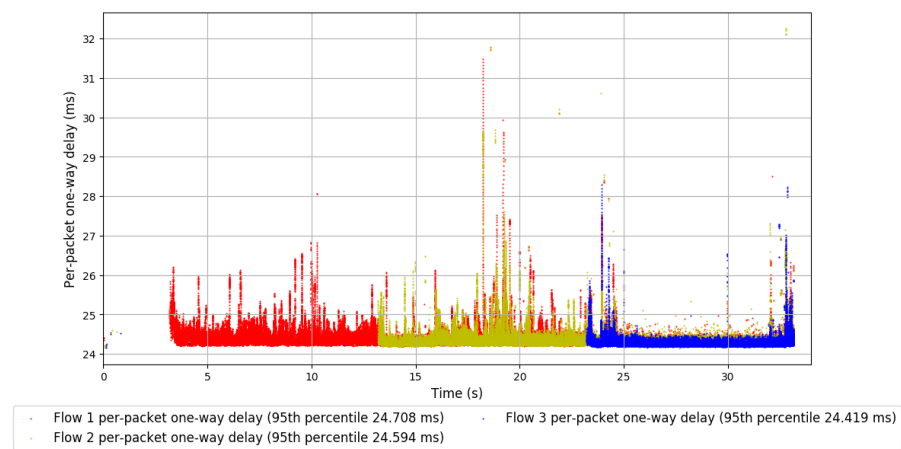
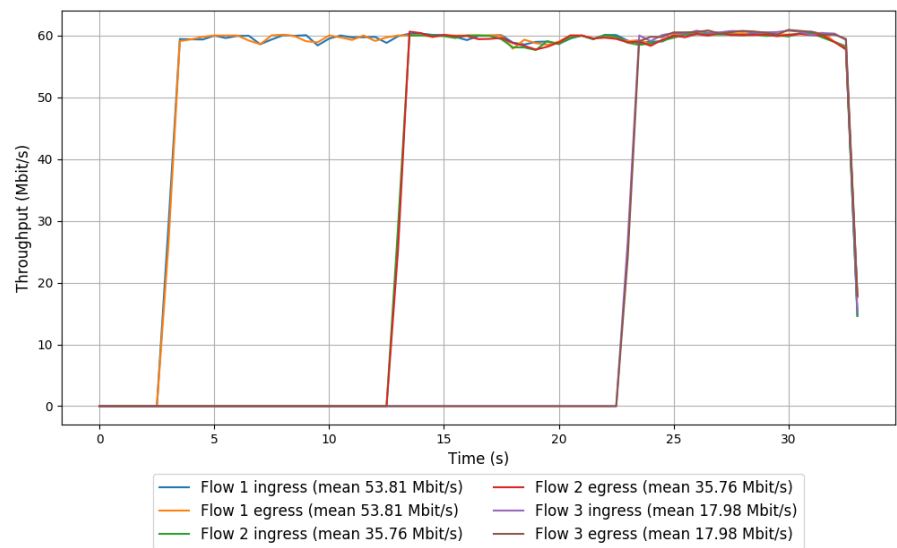
-- Flow 3:

Average throughput: 17.98 Mbit/s

95th percentile per-packet one-way delay: 24.419 ms

Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 09:44:37 +0000

End at: Sat, 01 Jul 2017 09:45:07 +0000

Local clock offset: -0.005 ms

Remote clock offset: -5.707 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:30:42 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 106.07 Mbit/s

95th percentile per-packet one-way delay: 25.048 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.25 Mbit/s

95th percentile per-packet one-way delay: 25.070 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.26 Mbit/s

95th percentile per-packet one-way delay: 25.071 ms

Loss rate: 0.00%

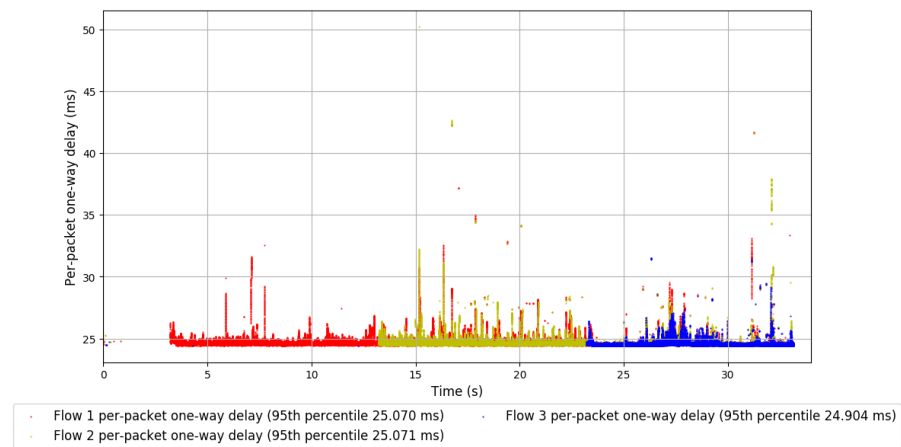
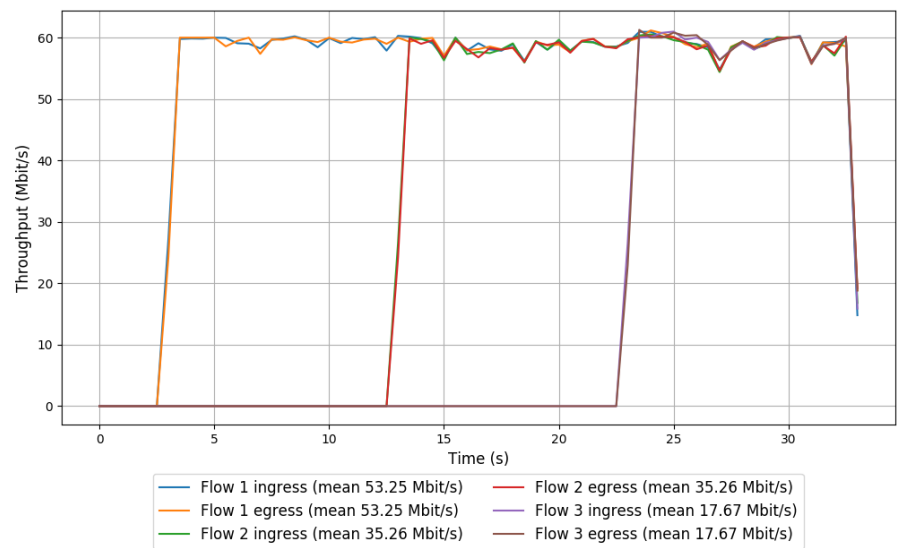
-- Flow 3:

Average throughput: 17.67 Mbit/s

95th percentile per-packet one-way delay: 24.904 ms

Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 10:05:36 +0000

End at: Sat, 01 Jul 2017 10:06:06 +0000

Local clock offset: 0.15 ms

Remote clock offset: -5.286 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:30:57 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 107.17 Mbit/s

95th percentile per-packet one-way delay: 24.501 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.66 Mbit/s

95th percentile per-packet one-way delay: 24.596 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.77 Mbit/s

95th percentile per-packet one-way delay: 24.431 ms

Loss rate: 0.00%

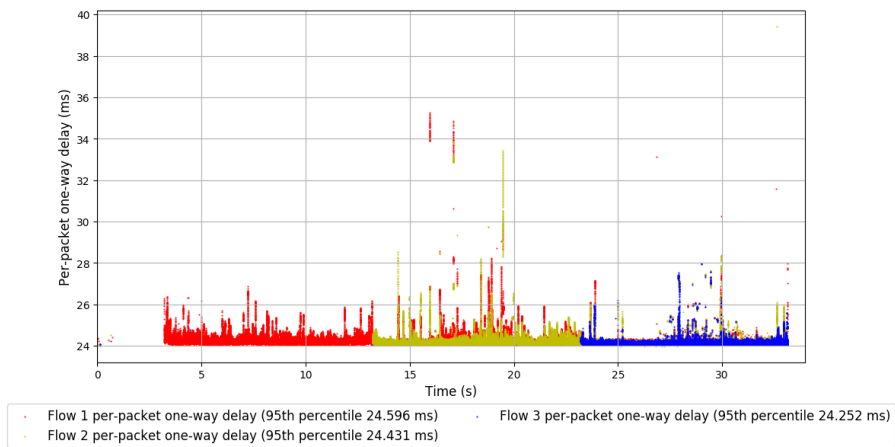
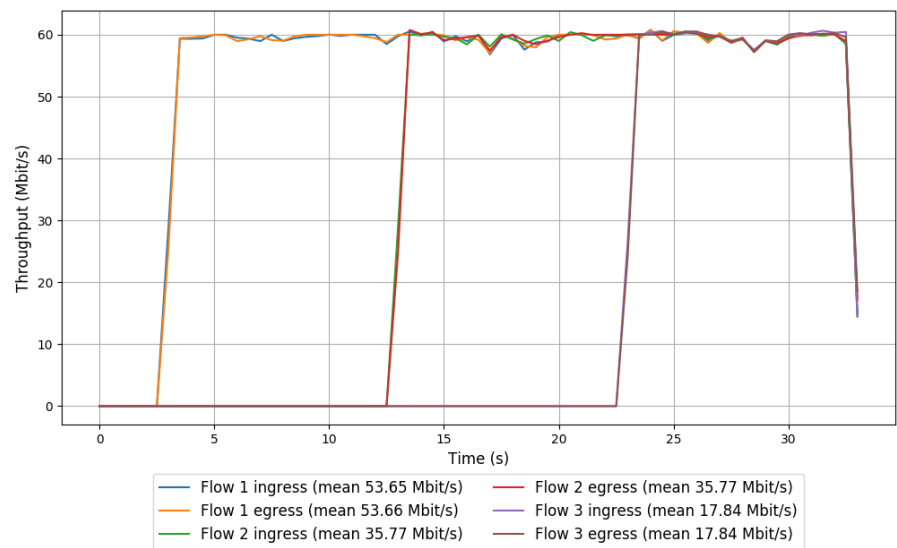
-- Flow 3:

Average throughput: 17.84 Mbit/s

95th percentile per-packet one-way delay: 24.252 ms

Loss rate: 0.00%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 10:26:29 +0000

End at: Sat, 01 Jul 2017 10:26:59 +0000

Local clock offset: 0.04 ms

Remote clock offset: -4.974 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:30:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 107.48 Mbit/s

95th percentile per-packet one-way delay: 24.299 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.90 Mbit/s

95th percentile per-packet one-way delay: 24.291 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.80 Mbit/s

95th percentile per-packet one-way delay: 24.383 ms

Loss rate: 0.00%

-- Flow 3:

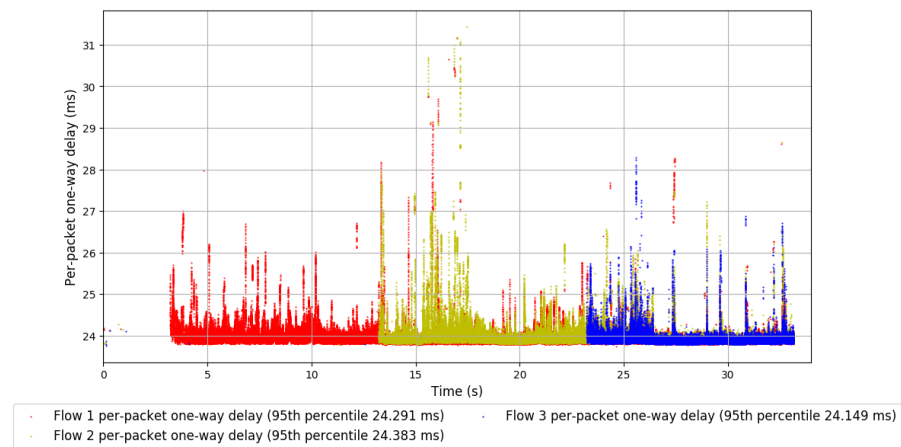
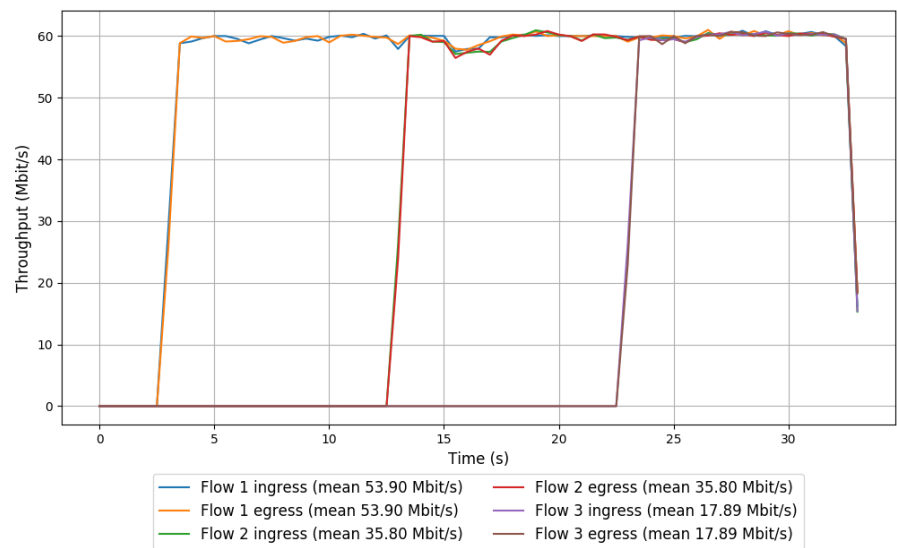
Average throughput: 17.89 Mbit/s

95th percentile per-packet one-way delay: 24.149 ms

Loss rate: 0.00%



Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 10:47:17 +0000

End at: Sat, 01 Jul 2017 10:47:47 +0000

Local clock offset: 0.075 ms

Remote clock offset: -4.578 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:31:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 106.63 Mbit/s

95th percentile per-packet one-way delay: 24.064 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.47 Mbit/s

95th percentile per-packet one-way delay: 24.006 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.64 Mbit/s

95th percentile per-packet one-way delay: 24.023 ms

Loss rate: 0.00%

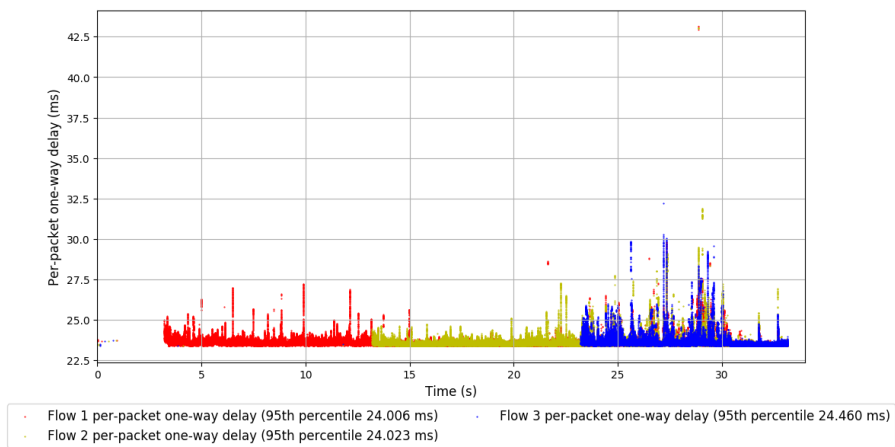
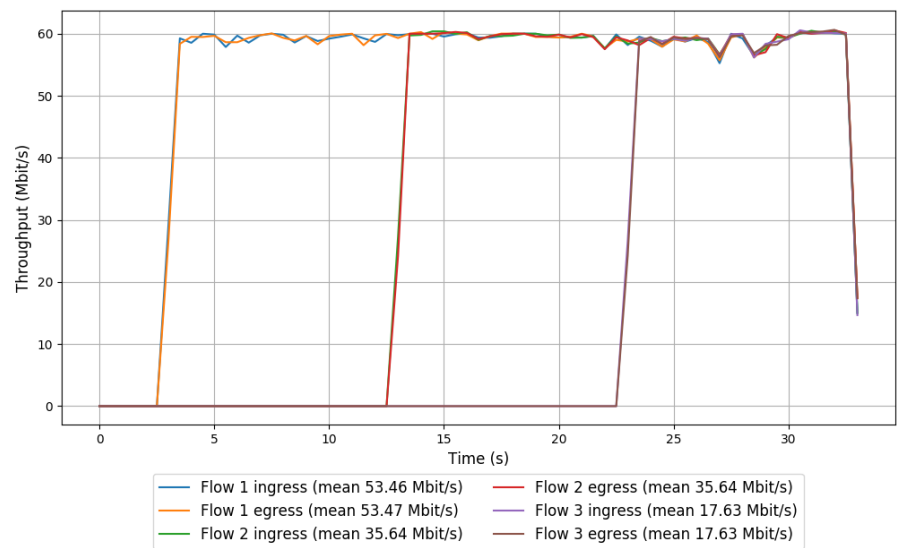
-- Flow 3:

Average throughput: 17.63 Mbit/s

95th percentile per-packet one-way delay: 24.460 ms

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 11:08:09 +0000

End at: Sat, 01 Jul 2017 11:08:39 +0000

Local clock offset: 0.153 ms

Remote clock offset: -4.733 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:31:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 107.19 Mbit/s

95th percentile per-packet one-way delay: 24.042 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.69 Mbit/s

95th percentile per-packet one-way delay: 24.077 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.83 Mbit/s

95th percentile per-packet one-way delay: 24.028 ms

Loss rate: 0.00%

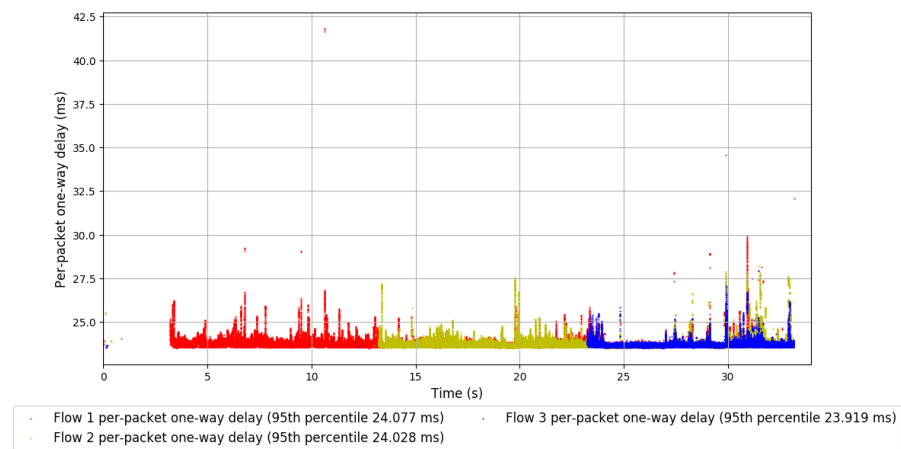
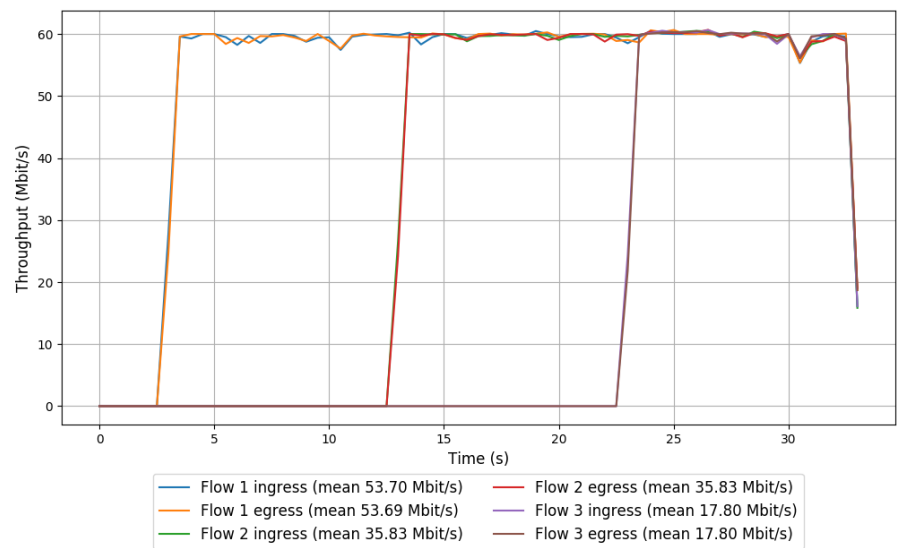
-- Flow 3:

Average throughput: 17.80 Mbit/s

95th percentile per-packet one-way delay: 23.919 ms

Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 11:29:27 +0000

End at: Sat, 01 Jul 2017 11:29:57 +0000

Local clock offset: 0.103 ms

Remote clock offset: -4.737 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:31:31 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 106.81 Mbit/s

95th percentile per-packet one-way delay: 24.115 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.55 Mbit/s

95th percentile per-packet one-way delay: 24.056 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.66 Mbit/s

95th percentile per-packet one-way delay: 24.146 ms

Loss rate: 0.00%

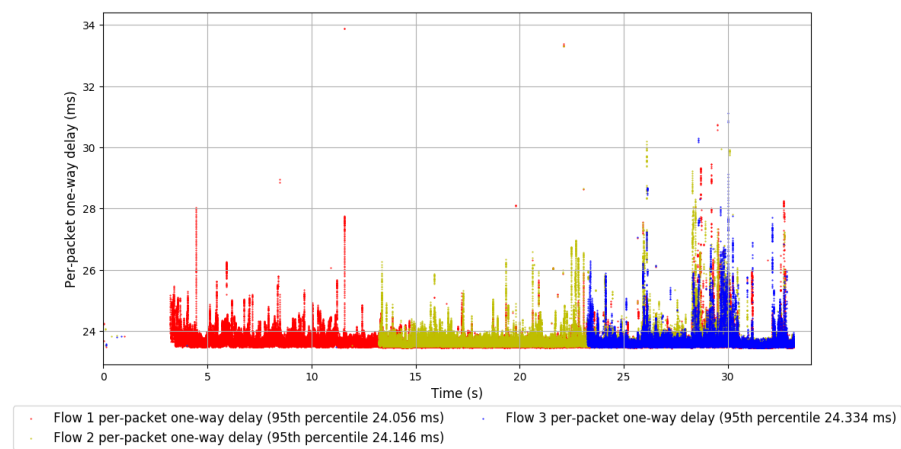
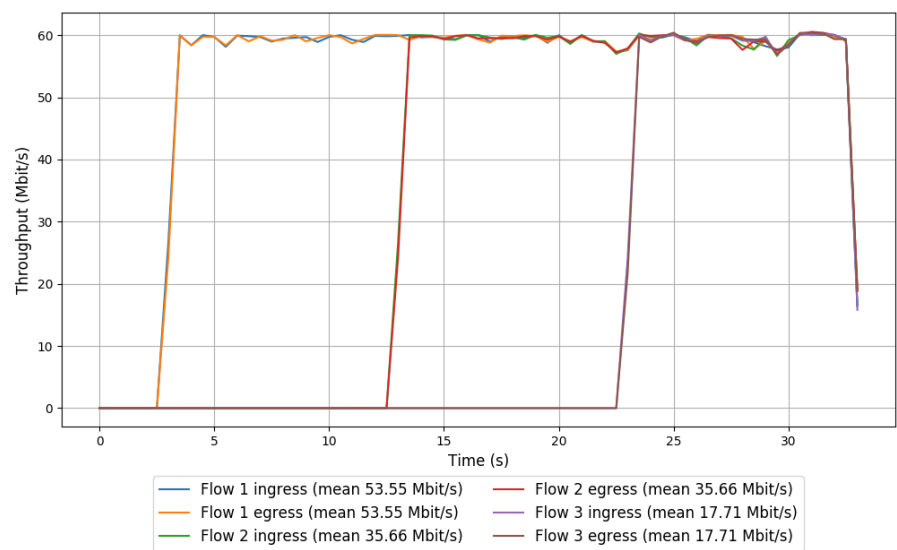
-- Flow 3:

Average throughput: 17.71 Mbit/s

95th percentile per-packet one-way delay: 24.334 ms

Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 11:50:23 +0000

End at: Sat, 01 Jul 2017 11:50:53 +0000

Local clock offset: 0.05 ms

Remote clock offset: -4.5 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:31:31 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 107.46 Mbit/s

95th percentile per-packet one-way delay: 23.666 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.83 Mbit/s

95th percentile per-packet one-way delay: 23.755 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.94 Mbit/s

95th percentile per-packet one-way delay: 23.571 ms

Loss rate: 0.00%

-- Flow 3:

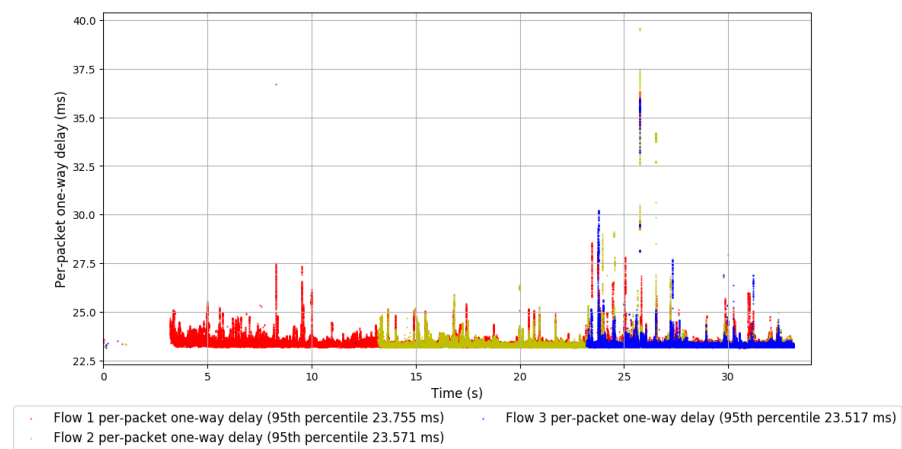
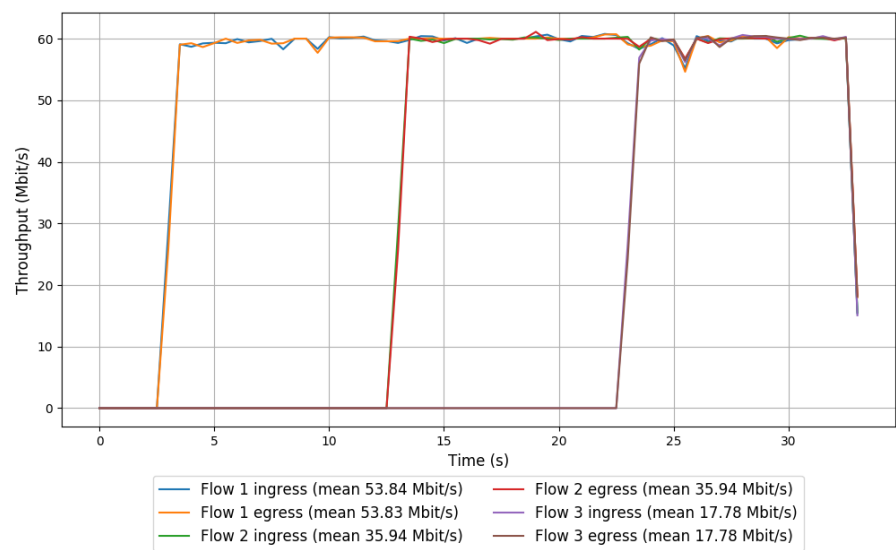
Average throughput: 17.78 Mbit/s

95th percentile per-packet one-way delay: 23.517 ms

Loss rate: 0.01%



Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 12:11:25 +0000

End at: Sat, 01 Jul 2017 12:11:55 +0000

Local clock offset: 0.021 ms

Remote clock offset: -4.266 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:31:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 107.49 Mbit/s

95th percentile per-packet one-way delay: 23.627 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.77 Mbit/s

95th percentile per-packet one-way delay: 23.687 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.92 Mbit/s

95th percentile per-packet one-way delay: 23.591 ms

Loss rate: 0.00%

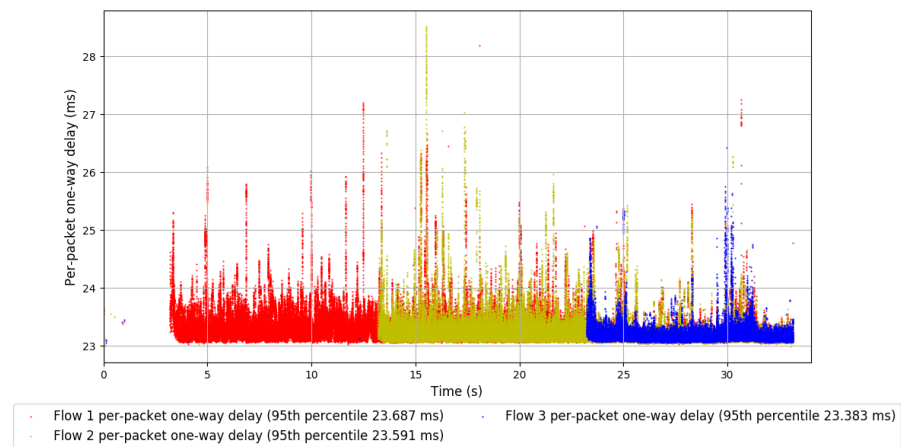
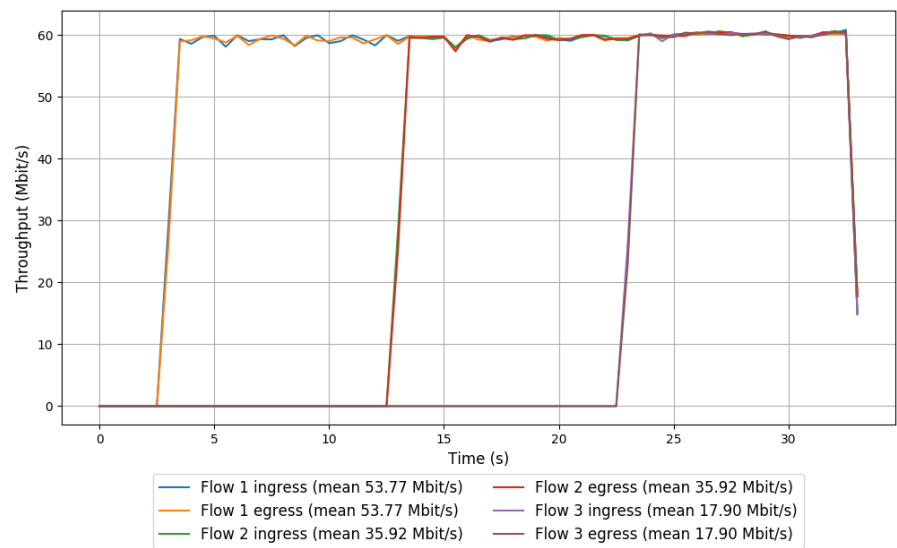
-- Flow 3:

Average throughput: 17.90 Mbit/s

95th percentile per-packet one-way delay: 23.383 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sat, 01 Jul 2017 12:32:21 +0000

End at: Sat, 01 Jul 2017 12:32:51 +0000

Local clock offset: -0.04 ms

Remote clock offset: -4.731 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:31:48 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 107.61 Mbit/s

95th percentile per-packet one-way delay: 23.909 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 53.99 Mbit/s

95th percentile per-packet one-way delay: 23.927 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 35.88 Mbit/s

95th percentile per-packet one-way delay: 23.980 ms

Loss rate: 0.00%

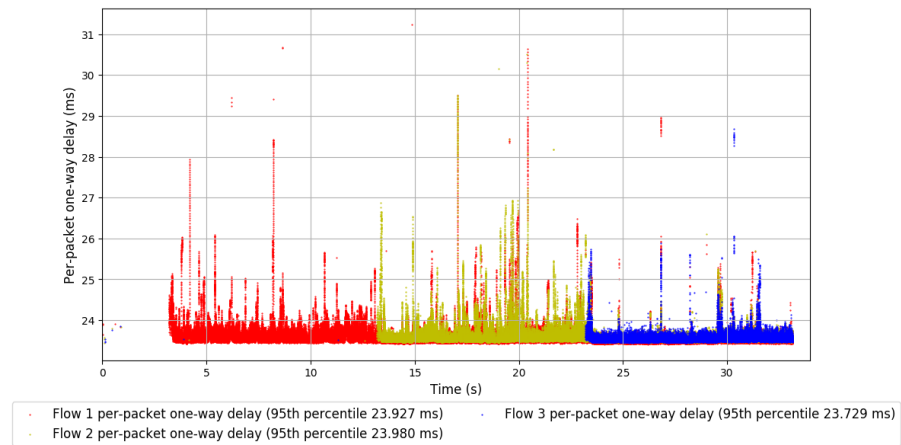
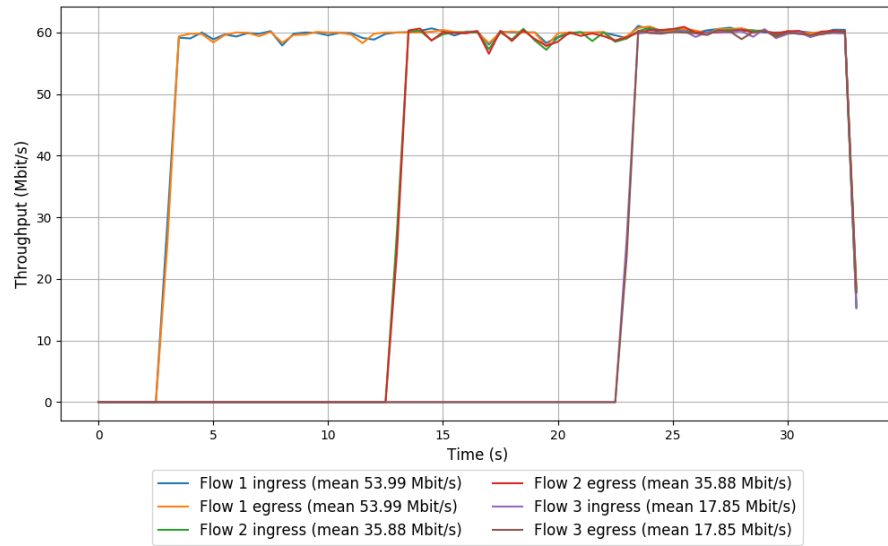
-- Flow 3:

Average throughput: 17.85 Mbit/s

95th percentile per-packet one-way delay: 23.729 ms

Loss rate: 0.00%

# Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 09:06:57 +0000

End at: Sat, 01 Jul 2017 09:07:27 +0000

Local clock offset: -0.322 ms

Remote clock offset: -5.69 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:32:17 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 197.13 Mbit/s

95th percentile per-packet one-way delay: 24.544 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 89.02 Mbit/s

95th percentile per-packet one-way delay: 24.501 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 78.32 Mbit/s

95th percentile per-packet one-way delay: 24.483 ms

Loss rate: 0.01%

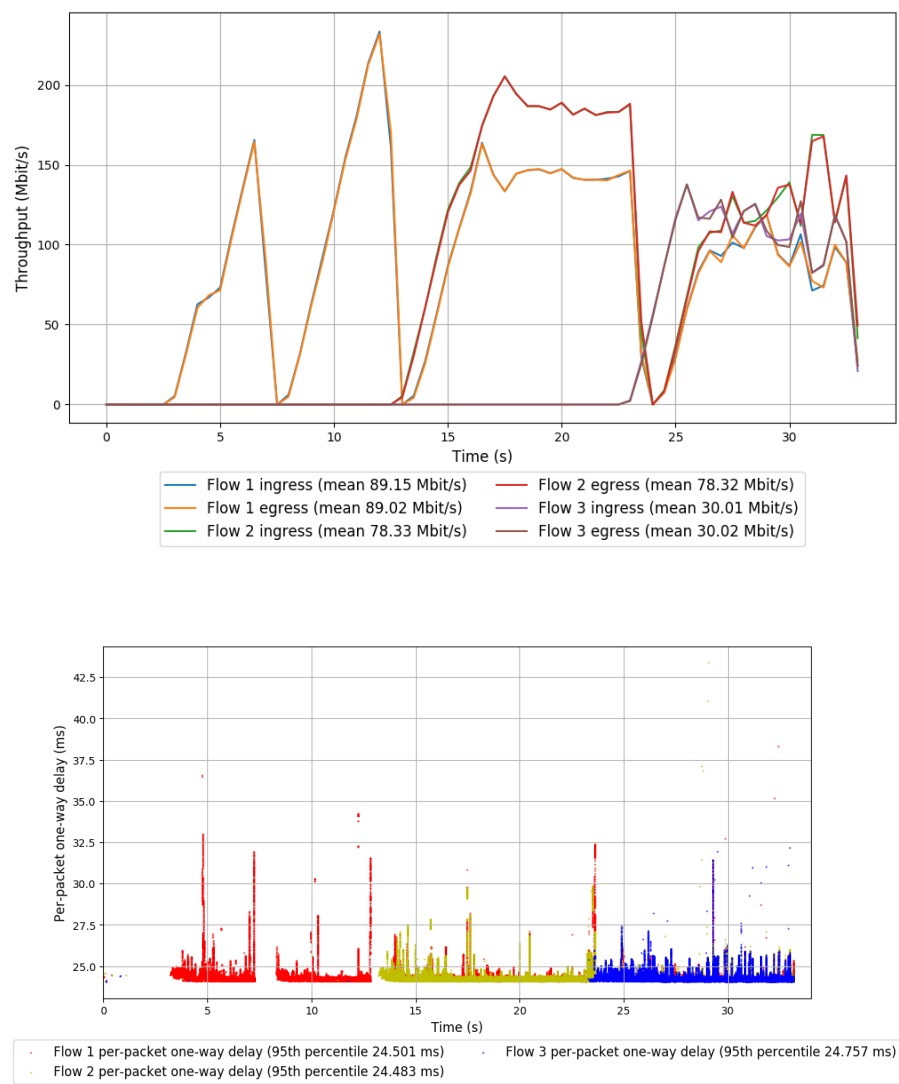
-- Flow 3:

Average throughput: 30.02 Mbit/s

95th percentile per-packet one-way delay: 24.757 ms

Loss rate: 0.00%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 09:28:02 +0000

End at: Sat, 01 Jul 2017 09:28:32 +0000

Local clock offset: -0.059 ms

Remote clock offset: -5.672 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:32:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 226.97 Mbit/s

95th percentile per-packet one-way delay: 24.839 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 132.62 Mbit/s

95th percentile per-packet one-way delay: 24.755 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 68.78 Mbit/s

95th percentile per-packet one-way delay: 24.716 ms

Loss rate: 0.24%

-- Flow 3:

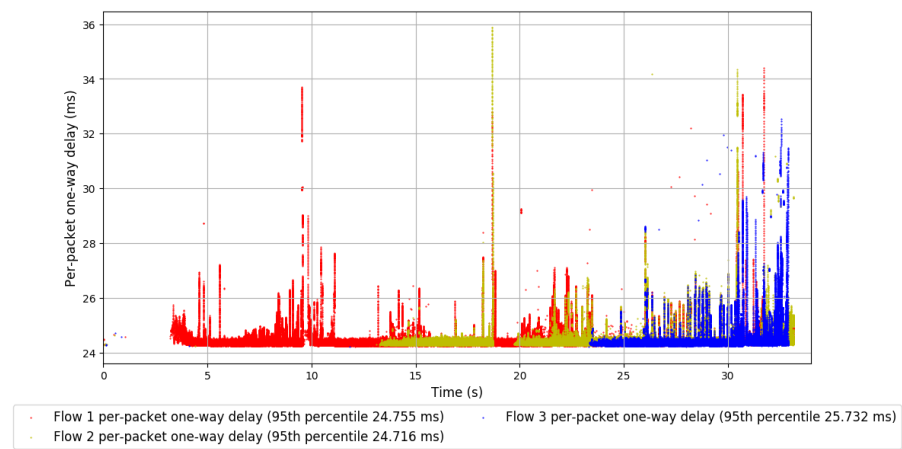
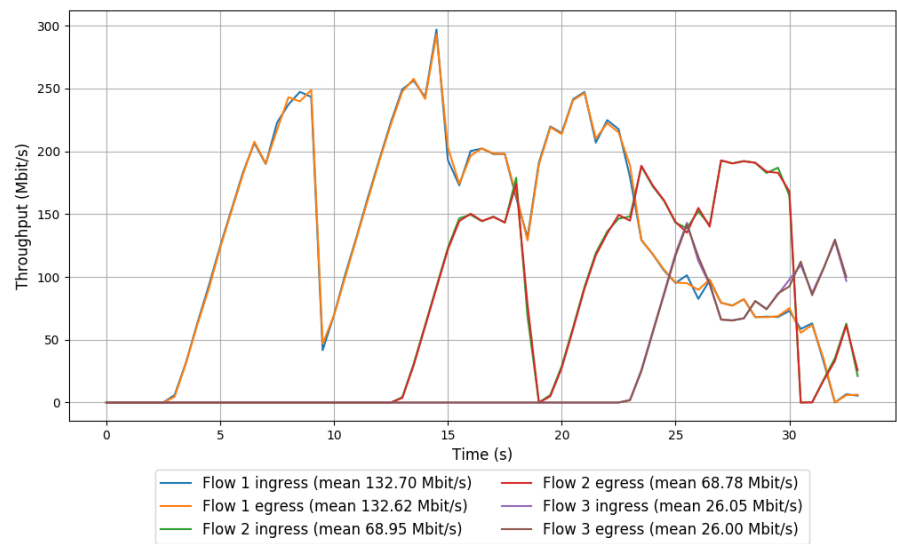
Average throughput: 26.00 Mbit/s

95th percentile per-packet one-way delay: 25.732 ms

Loss rate: 0.19%



Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 09:49:03 +0000

End at: Sat, 01 Jul 2017 09:49:33 +0000

Local clock offset: 0.129 ms

Remote clock offset: -5.735 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:32:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 254.52 Mbit/s

95th percentile per-packet one-way delay: 24.734 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 151.66 Mbit/s

95th percentile per-packet one-way delay: 24.750 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 75.14 Mbit/s

95th percentile per-packet one-way delay: 24.720 ms

Loss rate: 0.01%

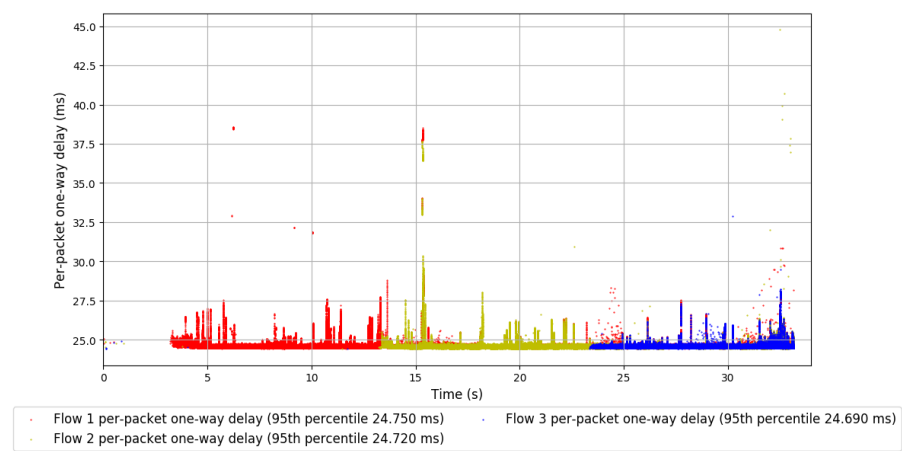
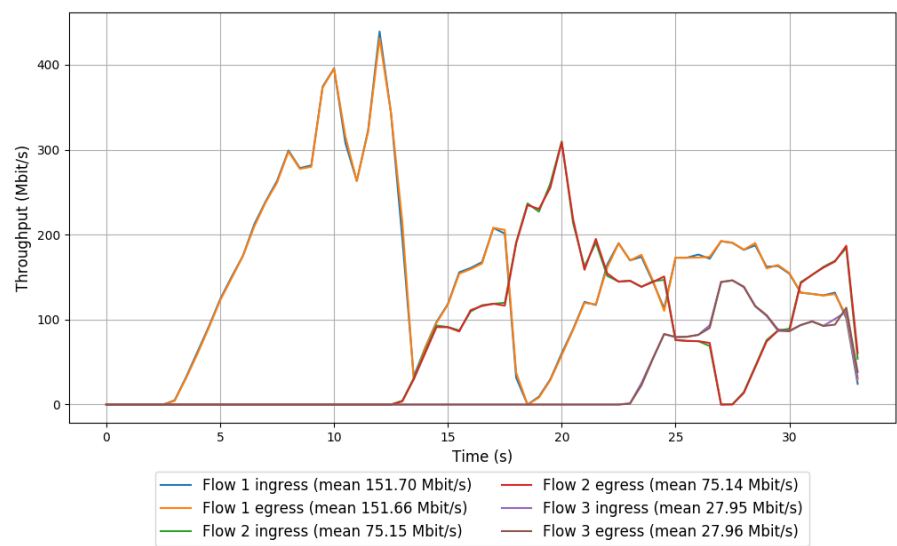
-- Flow 3:

Average throughput: 27.96 Mbit/s

95th percentile per-packet one-way delay: 24.690 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 10:10:05 +0000

End at: Sat, 01 Jul 2017 10:10:35 +0000

Local clock offset: 0.066 ms

Remote clock offset: -5.124 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:32:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 229.05 Mbit/s

95th percentile per-packet one-way delay: 24.821 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 127.92 Mbit/s

95th percentile per-packet one-way delay: 24.567 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 76.05 Mbit/s

95th percentile per-packet one-way delay: 24.781 ms

Loss rate: 0.00%

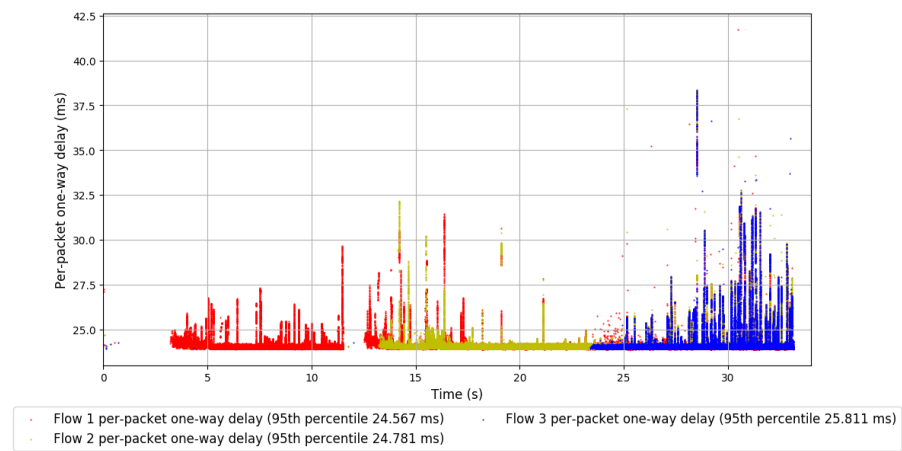
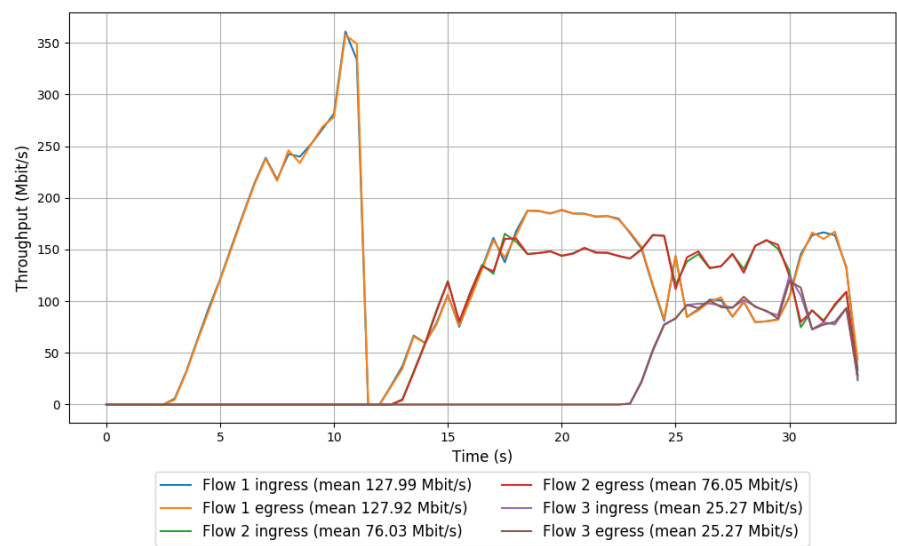
-- Flow 3:

Average throughput: 25.27 Mbit/s

95th percentile per-packet one-way delay: 25.811 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 10:30:58 +0000

End at: Sat, 01 Jul 2017 10:31:28 +0000

Local clock offset: 0.031 ms

Remote clock offset: -4.991 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:33:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 221.41 Mbit/s

95th percentile per-packet one-way delay: 24.100 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 102.54 Mbit/s

95th percentile per-packet one-way delay: 24.175 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 90.96 Mbit/s

95th percentile per-packet one-way delay: 23.969 ms

Loss rate: 0.17%

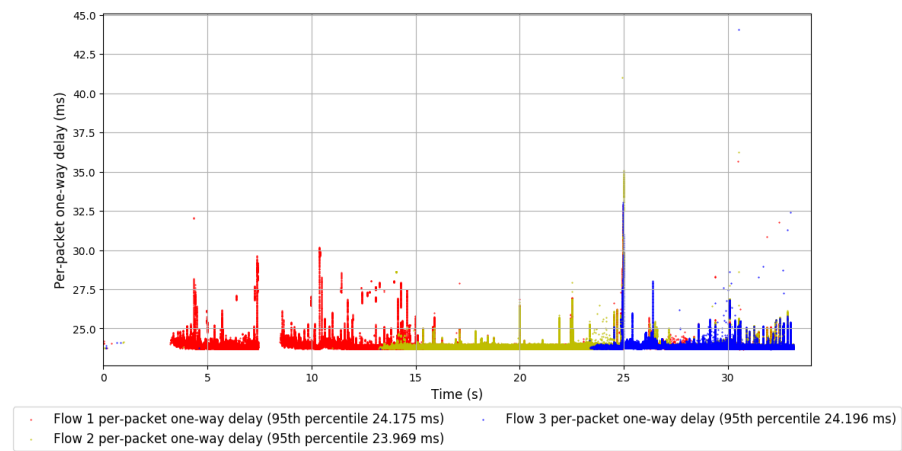
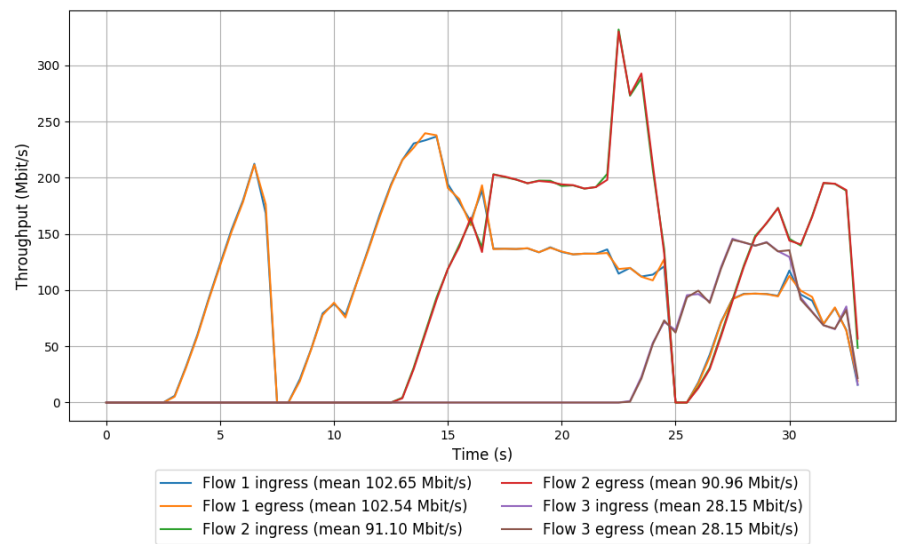
-- Flow 3:

Average throughput: 28.15 Mbit/s

95th percentile per-packet one-way delay: 24.196 ms

Loss rate: 0.01%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 10:51:49 +0000

End at: Sat, 01 Jul 2017 10:52:19 +0000

Local clock offset: 0.075 ms

Remote clock offset: -4.519 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:33:29 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 221.76 Mbit/s

95th percentile per-packet one-way delay: 23.748 ms

Loss rate: 0.10%

-- Flow 1:

Average throughput: 108.72 Mbit/s

95th percentile per-packet one-way delay: 23.769 ms

Loss rate: 0.14%

-- Flow 2:

Average throughput: 79.93 Mbit/s

95th percentile per-packet one-way delay: 23.730 ms

Loss rate: 0.08%

-- Flow 3:

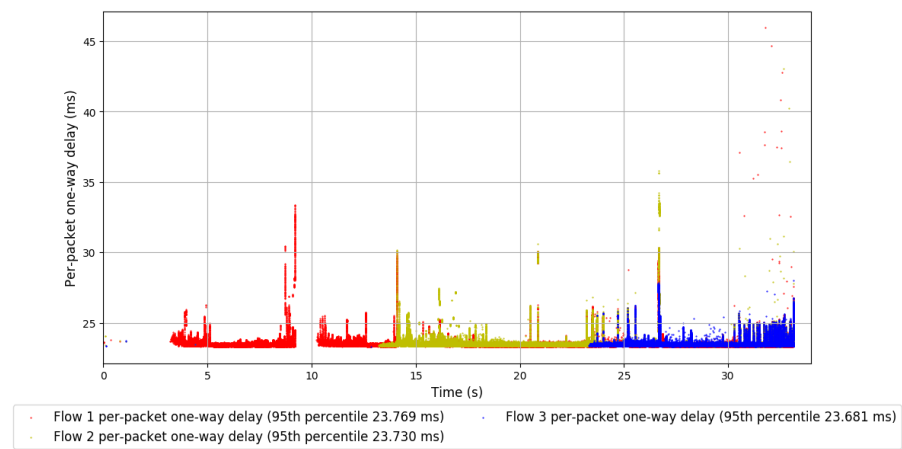
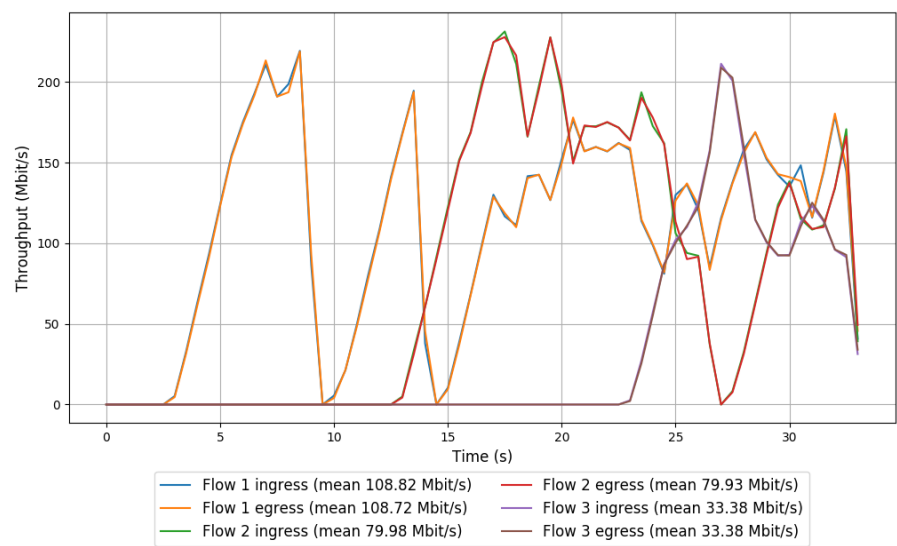
Average throughput: 33.38 Mbit/s

95th percentile per-packet one-way delay: 23.681 ms

Loss rate: 0.01%



Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 11:12:42 +0000

End at: Sat, 01 Jul 2017 11:13:12 +0000

Local clock offset: 0.105 ms

Remote clock offset: -4.791 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:34:01 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 241.97 Mbit/s

95th percentile per-packet one-way delay: 23.923 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 134.78 Mbit/s

95th percentile per-packet one-way delay: 23.909 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 71.45 Mbit/s

95th percentile per-packet one-way delay: 24.005 ms

Loss rate: 0.02%

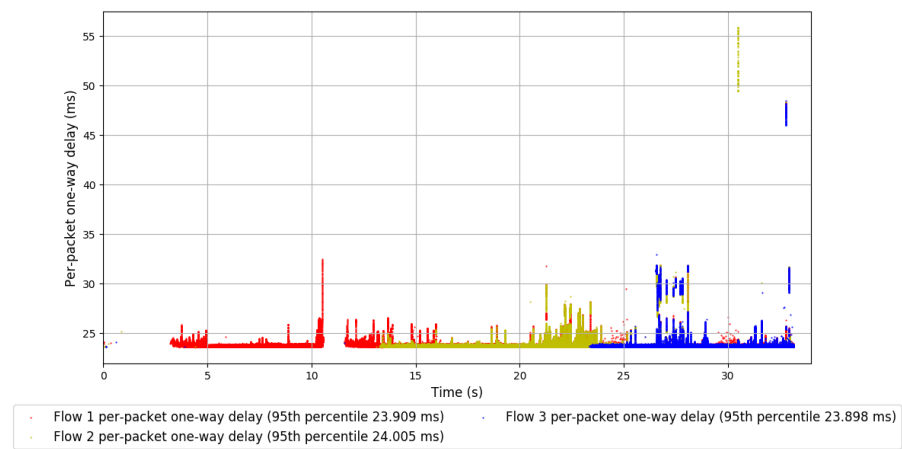
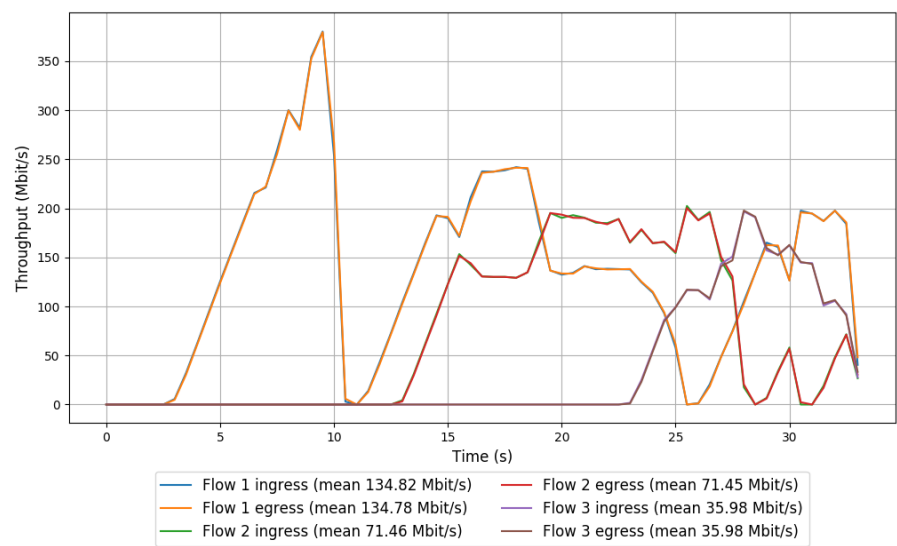
-- Flow 3:

Average throughput: 35.98 Mbit/s

95th percentile per-packet one-way delay: 23.898 ms

Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 11:33:54 +0000

End at: Sat, 01 Jul 2017 11:34:24 +0000

Local clock offset: 0.1 ms

Remote clock offset: -4.677 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:34:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 224.58 Mbit/s

95th percentile per-packet one-way delay: 23.795 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 120.67 Mbit/s

95th percentile per-packet one-way delay: 23.758 ms

Loss rate: 0.15%

-- Flow 2:

Average throughput: 75.15 Mbit/s

95th percentile per-packet one-way delay: 23.663 ms

Loss rate: 0.06%

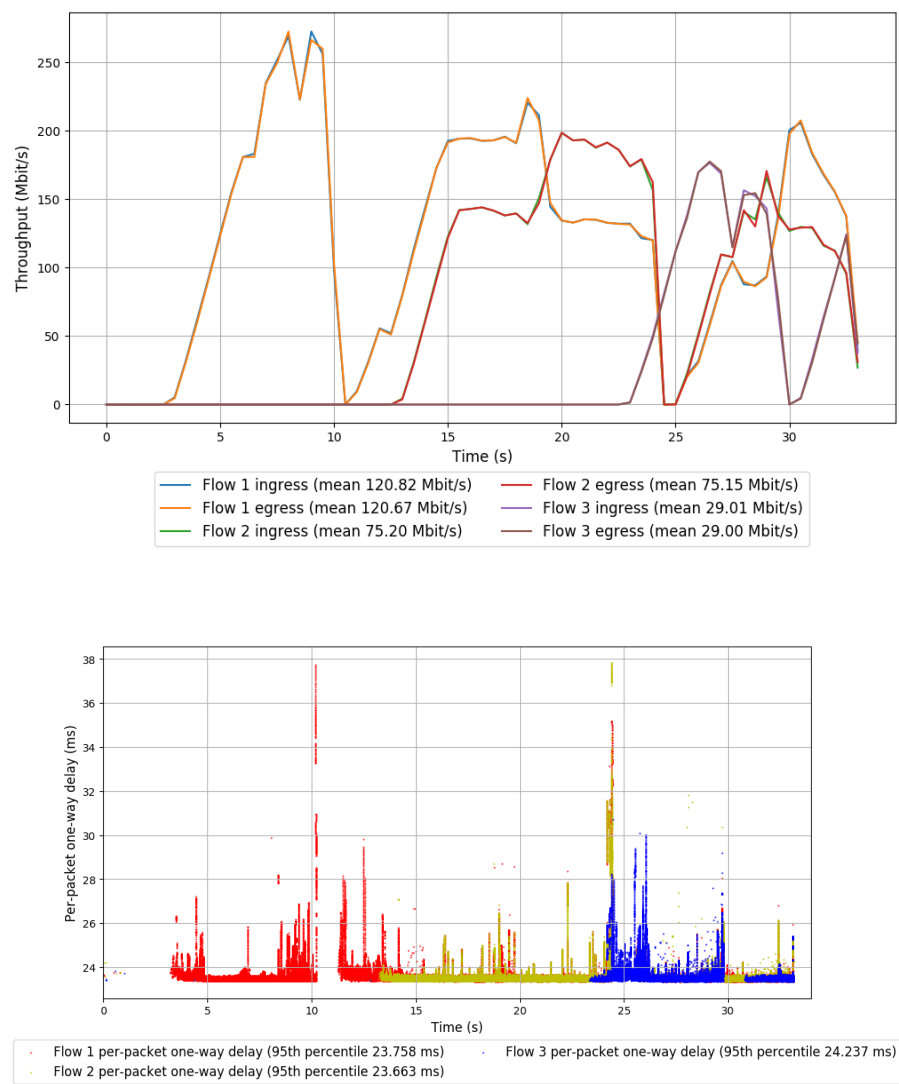
-- Flow 3:

Average throughput: 29.00 Mbit/s

95th percentile per-packet one-way delay: 24.237 ms

Loss rate: 0.04%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 11:54:49 +0000

End at: Sat, 01 Jul 2017 11:55:19 +0000

Local clock offset: -0.064 ms

Remote clock offset: -4.529 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:34:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 205.58 Mbit/s

95th percentile per-packet one-way delay: 23.773 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 91.69 Mbit/s

95th percentile per-packet one-way delay: 23.781 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 23.822 ms

Loss rate: 0.00%

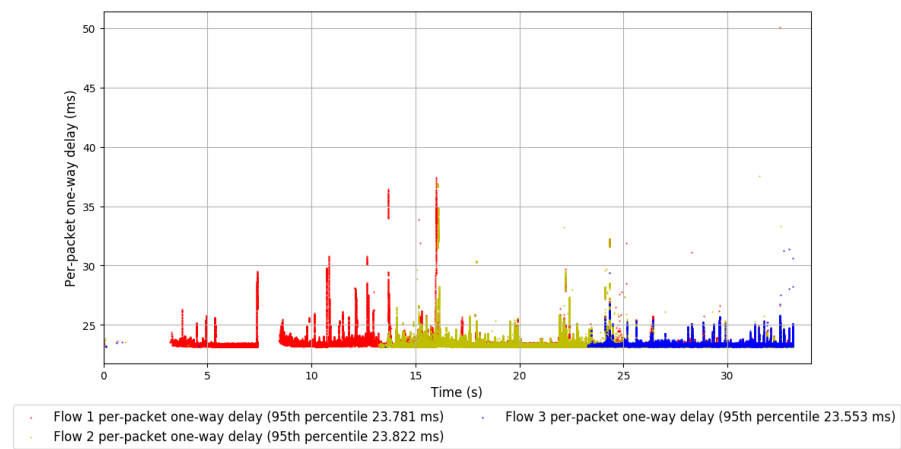
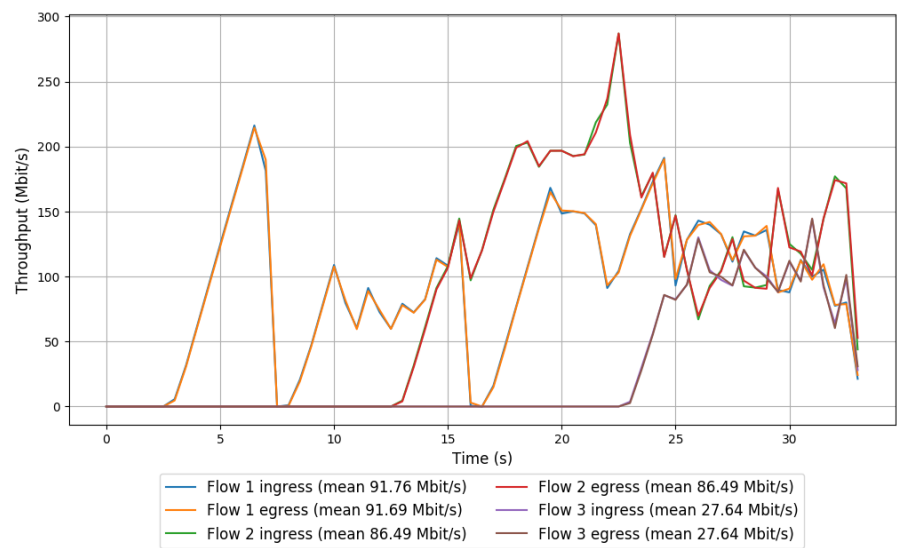
-- Flow 3:

Average throughput: 27.64 Mbit/s

95th percentile per-packet one-way delay: 23.553 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sat, 01 Jul 2017 12:15:52 +0000

End at: Sat, 01 Jul 2017 12:16:22 +0000

Local clock offset: 0.042 ms

Remote clock offset: -4.509 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:34:36 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 214.69 Mbit/s

95th percentile per-packet one-way delay: 23.571 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 116.36 Mbit/s

95th percentile per-packet one-way delay: 23.603 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 75.33 Mbit/s

95th percentile per-packet one-way delay: 23.466 ms

Loss rate: 0.27%

-- Flow 3:

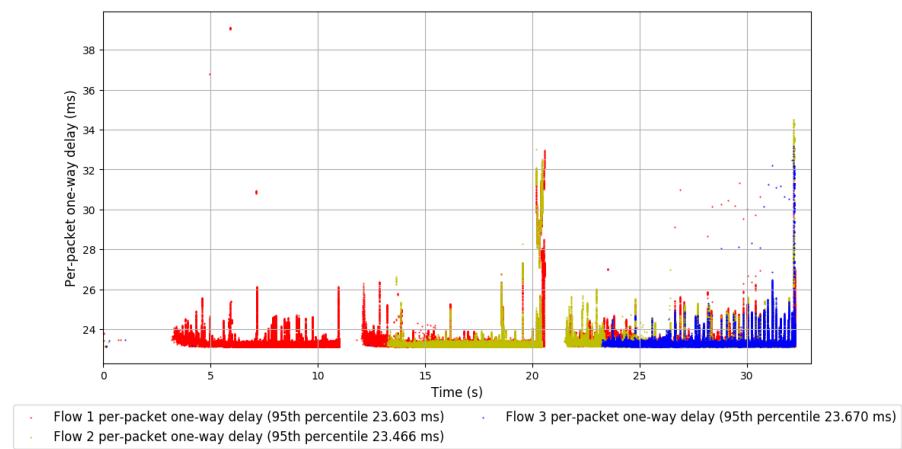
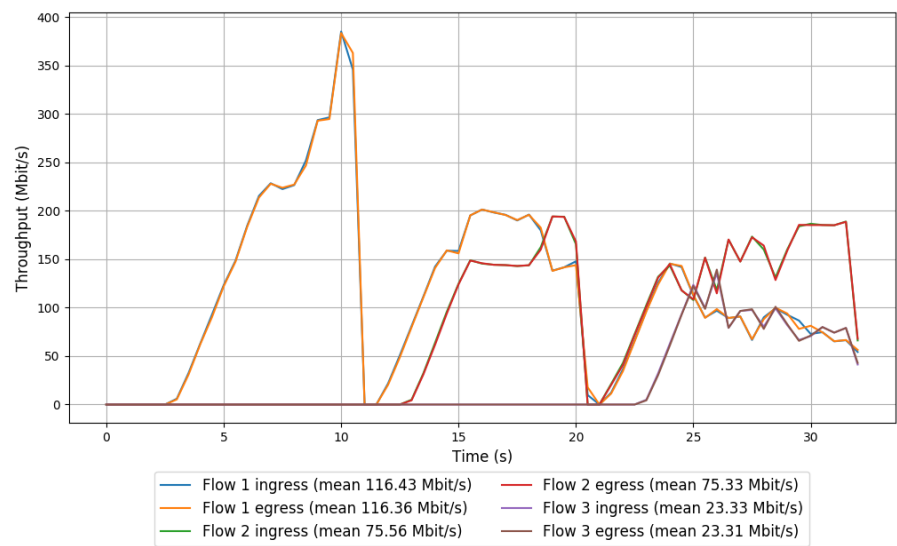
Average throughput: 23.31 Mbit/s

95th percentile per-packet one-way delay: 23.670 ms

Loss rate: 0.08%



Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sat, 01 Jul 2017 09:24:49 +0000

End at: Sat, 01 Jul 2017 09:25:19 +0000

Local clock offset: -0.163 ms

Remote clock offset: -5.538 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:35:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 482.39 Mbit/s

95th percentile per-packet one-way delay: 25.866 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 314.93 Mbit/s

95th percentile per-packet one-way delay: 25.717 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 128.39 Mbit/s

95th percentile per-packet one-way delay: 26.333 ms

Loss rate: 0.04%

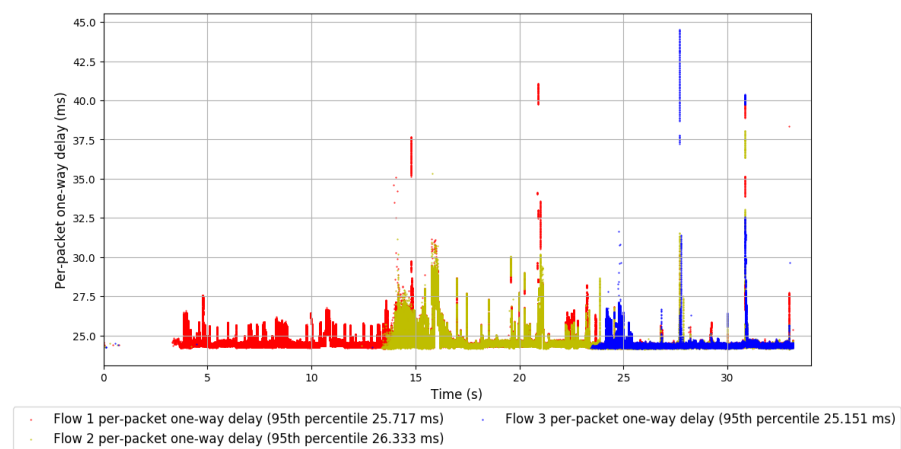
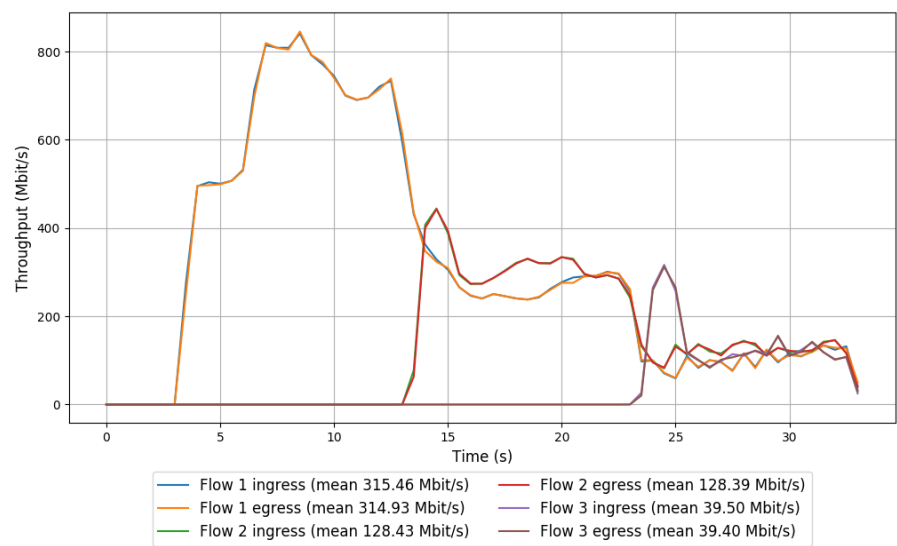
-- Flow 3:

Average throughput: 39.40 Mbit/s

95th percentile per-packet one-way delay: 25.151 ms

Loss rate: 0.25%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sat, 01 Jul 2017 09:45:55 +0000

End at: Sat, 01 Jul 2017 09:46:25 +0000

Local clock offset: 0.085 ms

Remote clock offset: -5.683 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:35:41 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 360.67 Mbit/s

95th percentile per-packet one-way delay: 25.621 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 322.81 Mbit/s

95th percentile per-packet one-way delay: 25.650 ms

Loss rate: 0.35%

-- Flow 2:

Average throughput: 7.34 Mbit/s

95th percentile per-packet one-way delay: 24.729 ms

Loss rate: 0.00%

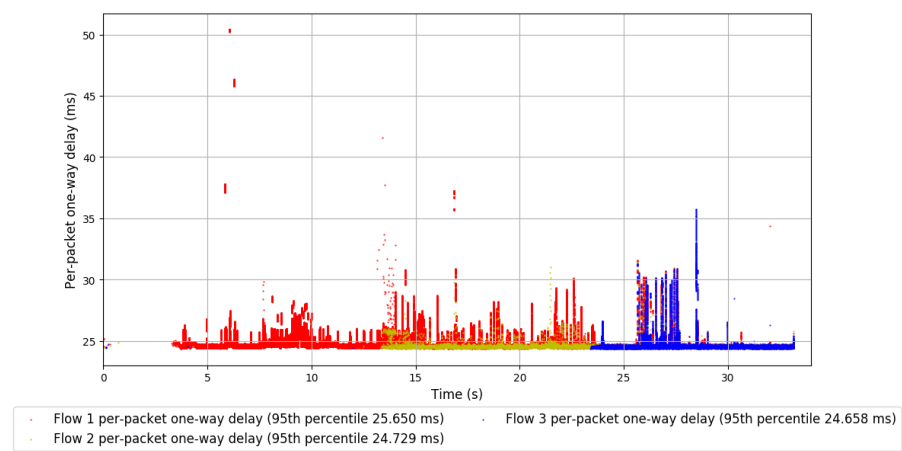
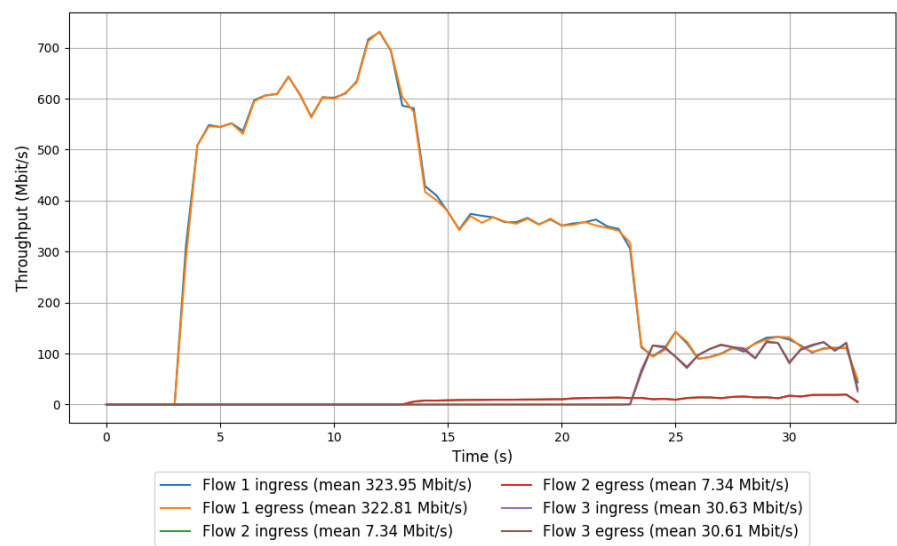
-- Flow 3:

Average throughput: 30.61 Mbit/s

95th percentile per-packet one-way delay: 24.658 ms

Loss rate: 0.07%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sat, 01 Jul 2017 10:06:54 +0000

End at: Sat, 01 Jul 2017 10:07:24 +0000

Local clock offset: 0.146 ms

Remote clock offset: -5.206 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:36:23 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 450.16 Mbit/s

95th percentile per-packet one-way delay: 25.640 ms

Loss rate: 0.32%

-- Flow 1:

Average throughput: 283.38 Mbit/s

95th percentile per-packet one-way delay: 25.730 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 129.75 Mbit/s

95th percentile per-packet one-way delay: 24.454 ms

Loss rate: 0.28%

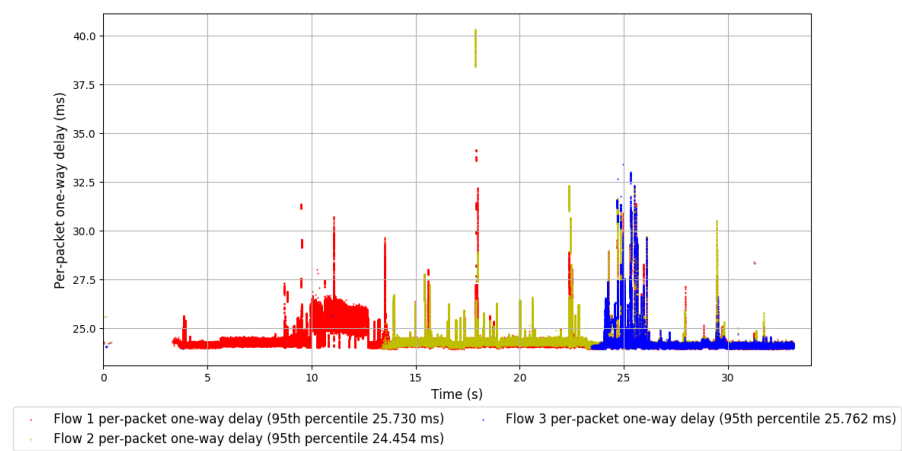
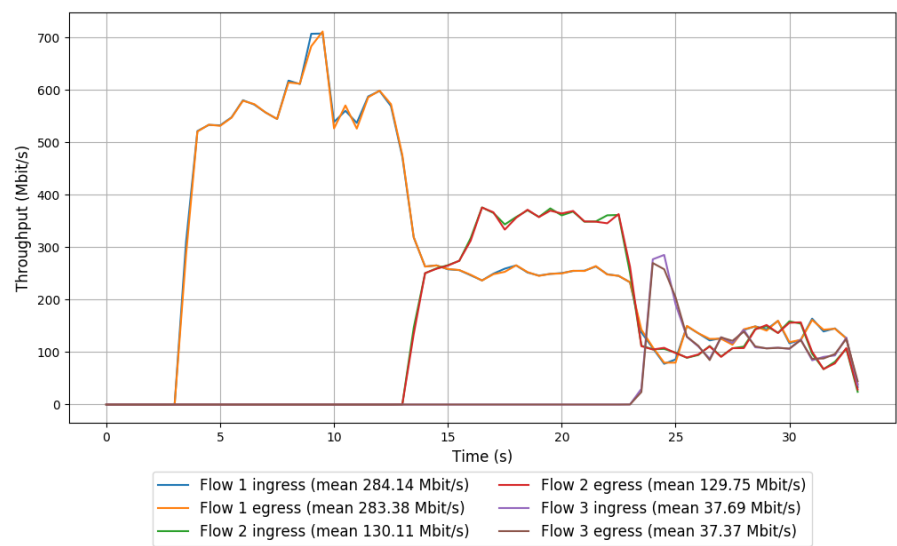
-- Flow 3:

Average throughput: 37.37 Mbit/s

95th percentile per-packet one-way delay: 25.762 ms

Loss rate: 0.85%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sat, 01 Jul 2017 10:27:47 +0000

End at: Sat, 01 Jul 2017 10:28:17 +0000

Local clock offset: 0.122 ms

Remote clock offset: -4.952 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:36:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 409.35 Mbit/s

95th percentile per-packet one-way delay: 25.005 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 315.50 Mbit/s

95th percentile per-packet one-way delay: 25.015 ms

Loss rate: 0.82%

-- Flow 2:

Average throughput: 40.21 Mbit/s

95th percentile per-packet one-way delay: 24.203 ms

Loss rate: 0.03%

-- Flow 3:

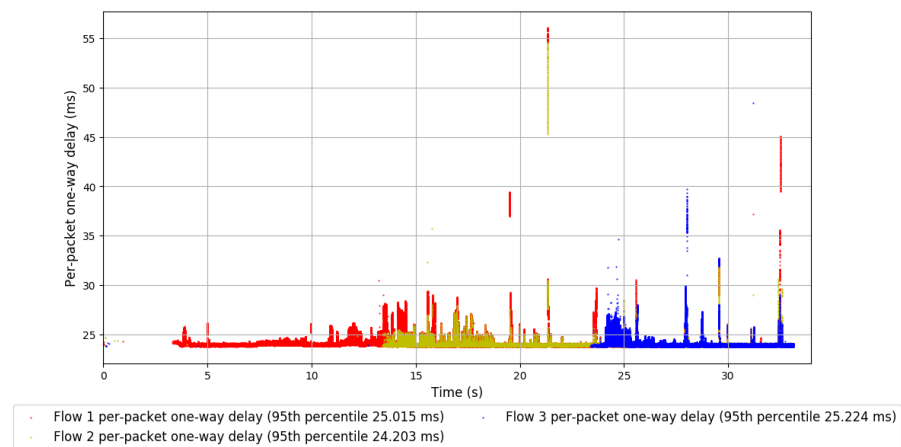
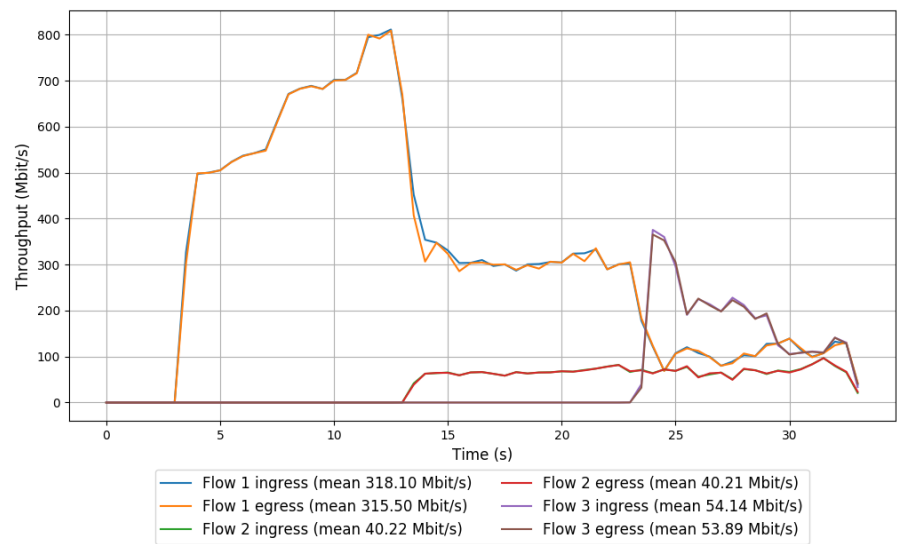
Average throughput: 53.89 Mbit/s

95th percentile per-packet one-way delay: 25.224 ms

Loss rate: 0.46%



Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sat, 01 Jul 2017 10:48:35 +0000

End at: Sat, 01 Jul 2017 10:49:05 +0000

Local clock offset: 0.169 ms

Remote clock offset: -4.524 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:37:42 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 489.88 Mbit/s

95th percentile per-packet one-way delay: 24.235 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 314.06 Mbit/s

95th percentile per-packet one-way delay: 24.013 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 132.74 Mbit/s

95th percentile per-packet one-way delay: 24.695 ms

Loss rate: 0.07%

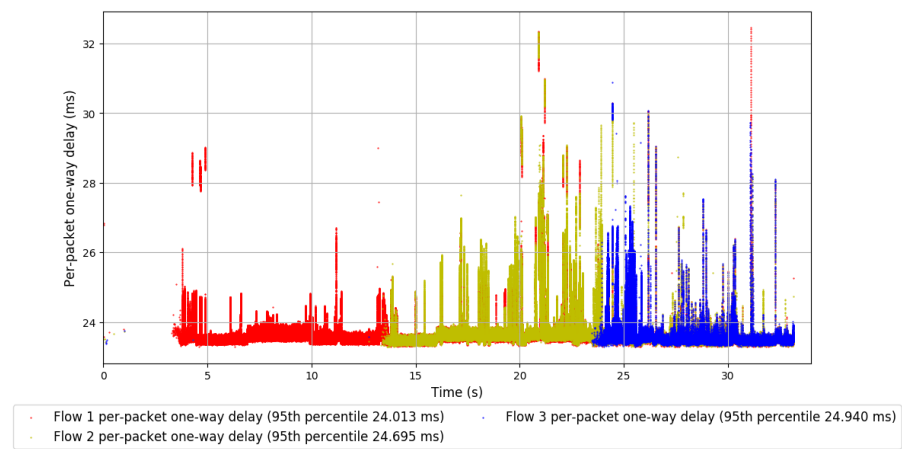
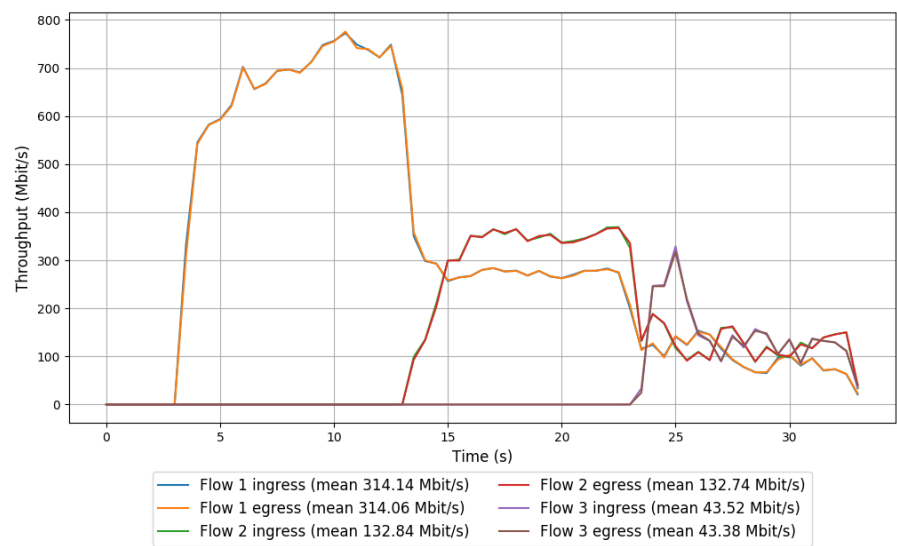
-- Flow 3:

Average throughput: 43.38 Mbit/s

95th percentile per-packet one-way delay: 24.940 ms

Loss rate: 0.33%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sat, 01 Jul 2017 11:09:28 +0000

End at: Sat, 01 Jul 2017 11:09:58 +0000

Local clock offset: 0.178 ms

Remote clock offset: -4.664 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:37:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 495.53 Mbit/s

95th percentile per-packet one-way delay: 24.679 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 321.56 Mbit/s

95th percentile per-packet one-way delay: 24.700 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 132.20 Mbit/s

95th percentile per-packet one-way delay: 24.590 ms

Loss rate: 0.14%

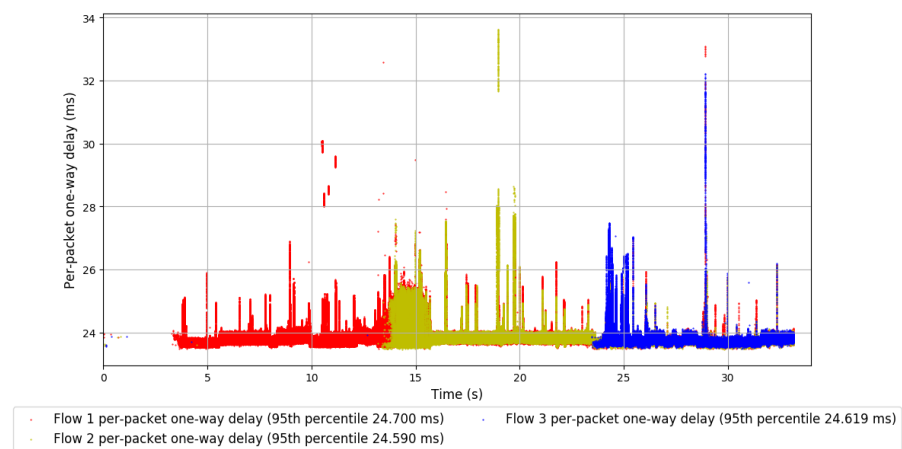
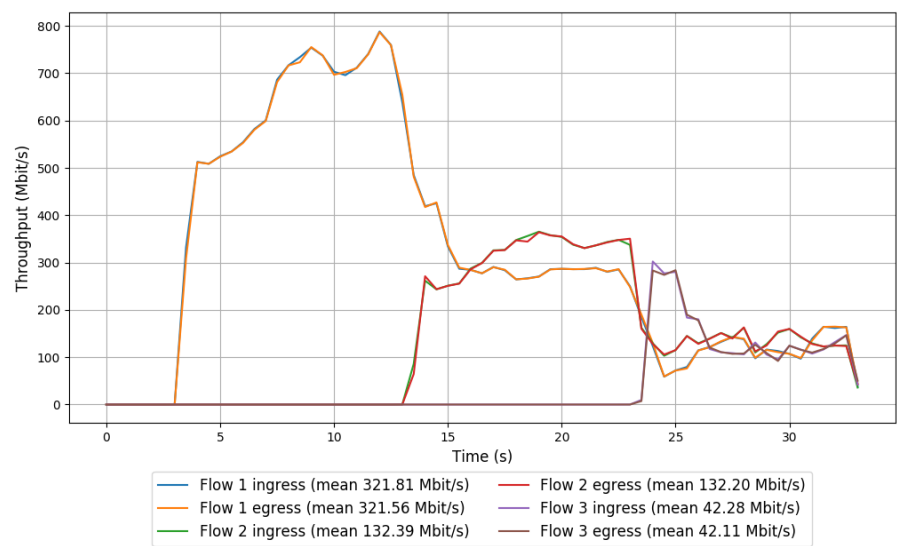
-- Flow 3:

Average throughput: 42.11 Mbit/s

95th percentile per-packet one-way delay: 24.619 ms

Loss rate: 0.39%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sat, 01 Jul 2017 11:30:45 +0000

End at: Sat, 01 Jul 2017 11:31:15 +0000

Local clock offset: 0.015 ms

Remote clock offset: -4.718 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:38:45 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 427.90 Mbit/s

95th percentile per-packet one-way delay: 24.770 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 282.84 Mbit/s

95th percentile per-packet one-way delay: 24.770 ms

Loss rate: 0.25%

-- Flow 2:

Average throughput: 110.26 Mbit/s

95th percentile per-packet one-way delay: 25.175 ms

Loss rate: 0.05%

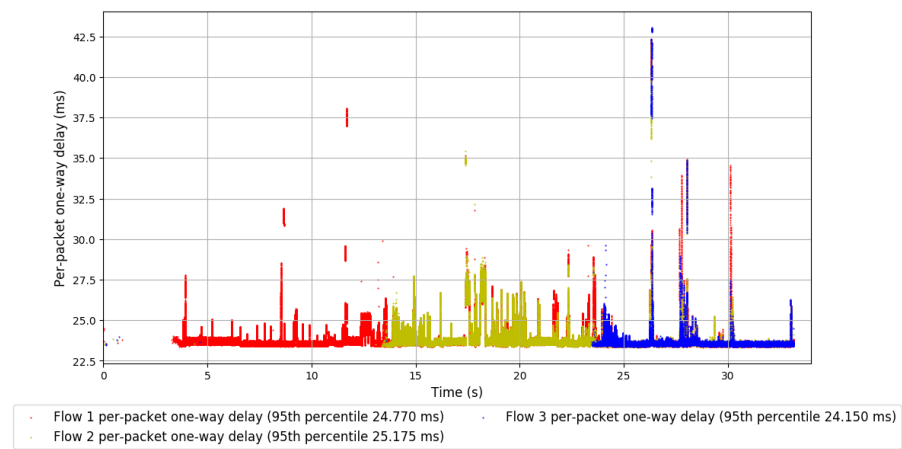
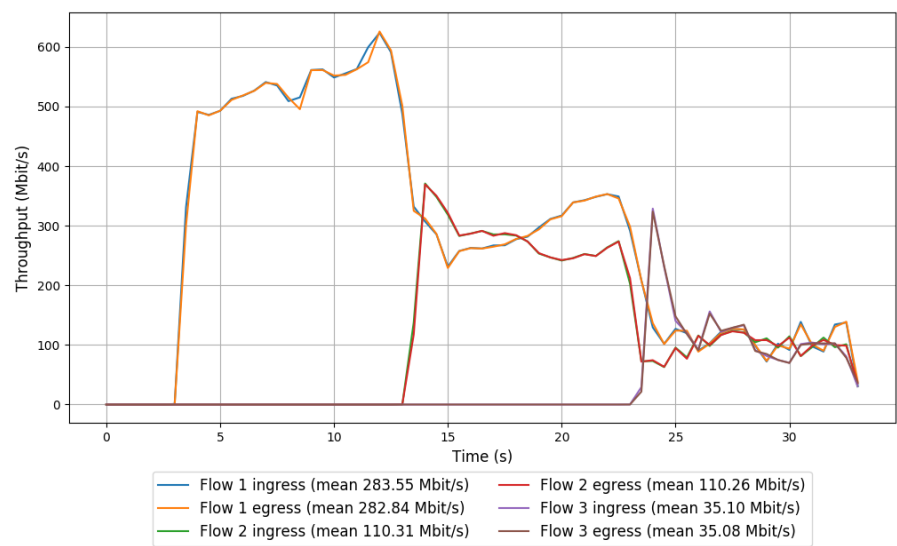
-- Flow 3:

Average throughput: 35.08 Mbit/s

95th percentile per-packet one-way delay: 24.150 ms

Loss rate: 0.08%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sat, 01 Jul 2017 11:51:41 +0000

End at: Sat, 01 Jul 2017 11:52:11 +0000

Local clock offset: -0.077 ms

Remote clock offset: -4.524 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:38:54 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 381.43 Mbit/s

95th percentile per-packet one-way delay: 24.074 ms

Loss rate: 0.12%

-- Flow 1:

Average throughput: 223.34 Mbit/s

95th percentile per-packet one-way delay: 24.148 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 122.87 Mbit/s

95th percentile per-packet one-way delay: 23.819 ms

Loss rate: 0.19%

-- Flow 3:

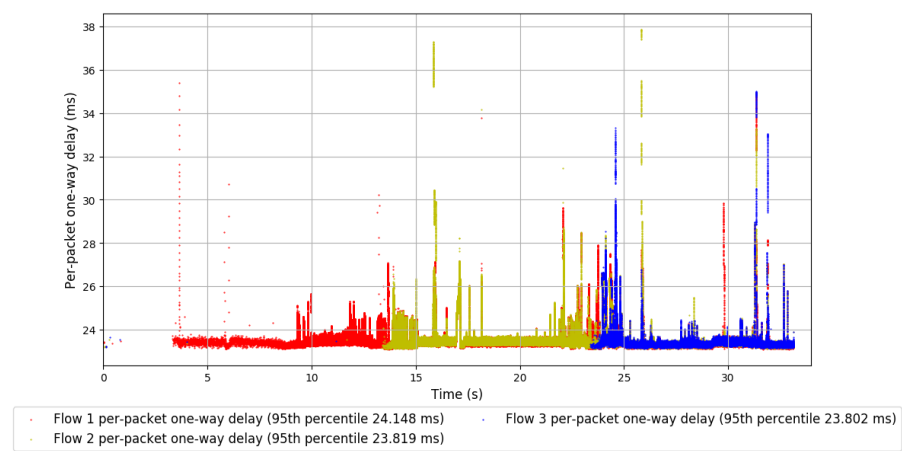
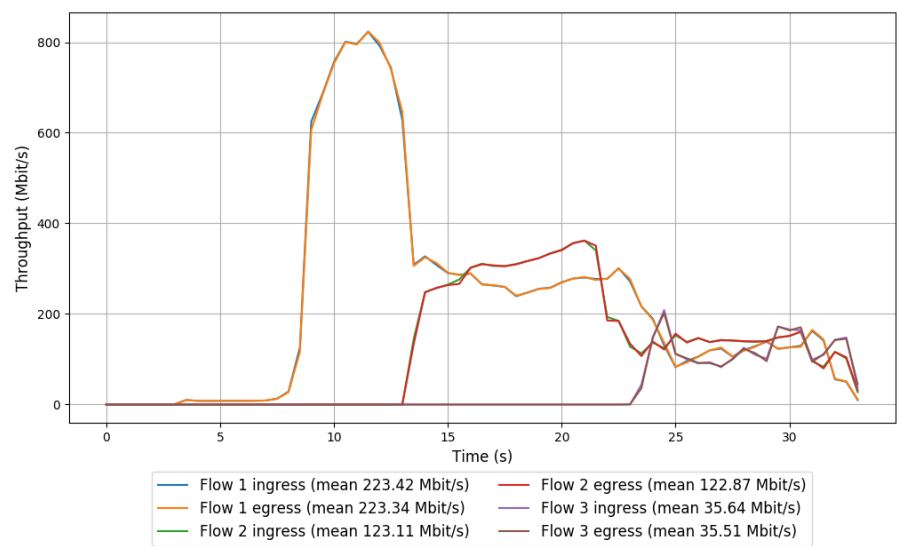
Average throughput: 35.51 Mbit/s

95th percentile per-packet one-way delay: 23.802 ms

Loss rate: 0.36%



Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sat, 01 Jul 2017 12:12:43 +0000

End at: Sat, 01 Jul 2017 12:13:13 +0000

Local clock offset: -0.078 ms

Remote clock offset: -4.43 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:39:30 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 344.67 Mbit/s

95th percentile per-packet one-way delay: 24.451 ms

Loss rate: 0.22%

-- Flow 1:

Average throughput: 175.15 Mbit/s

95th percentile per-packet one-way delay: 24.043 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 114.52 Mbit/s

95th percentile per-packet one-way delay: 24.981 ms

Loss rate: 0.06%

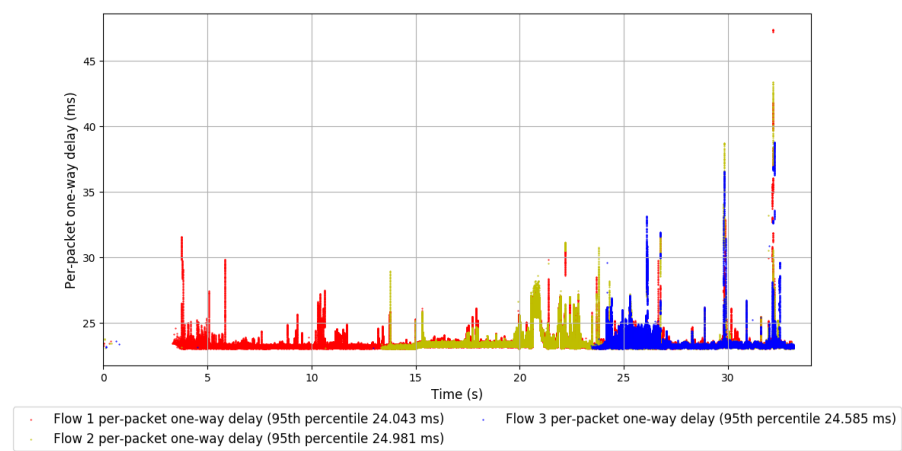
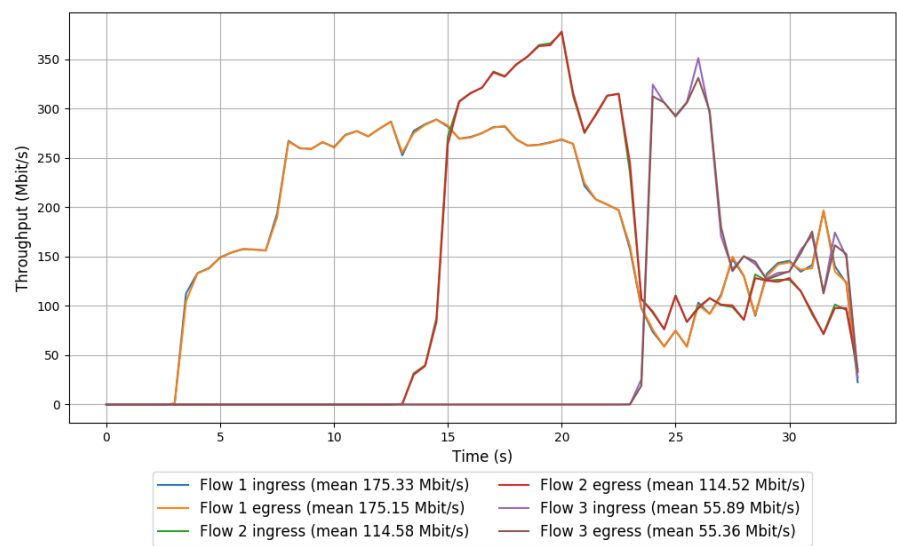
-- Flow 3:

Average throughput: 55.36 Mbit/s

95th percentile per-packet one-way delay: 24.585 ms

Loss rate: 0.95%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sat, 01 Jul 2017 12:33:40 +0000

End at: Sat, 01 Jul 2017 12:34:10 +0000

Local clock offset: 0.039 ms

Remote clock offset: -4.772 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 475.02 Mbit/s

95th percentile per-packet one-way delay: 24.325 ms

Loss rate: 0.18%

-- Flow 1:

Average throughput: 316.02 Mbit/s

95th percentile per-packet one-way delay: 24.408 ms

Loss rate: 0.23%

-- Flow 2:

Average throughput: 128.22 Mbit/s

95th percentile per-packet one-way delay: 24.057 ms

Loss rate: 0.11%

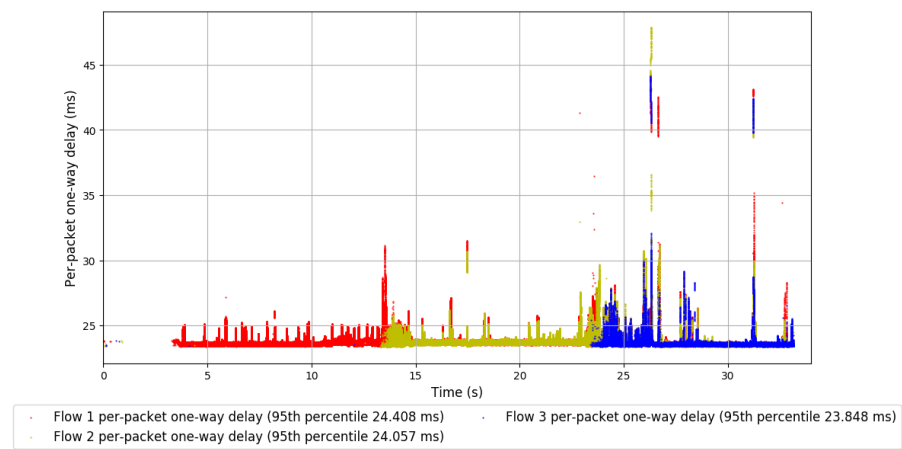
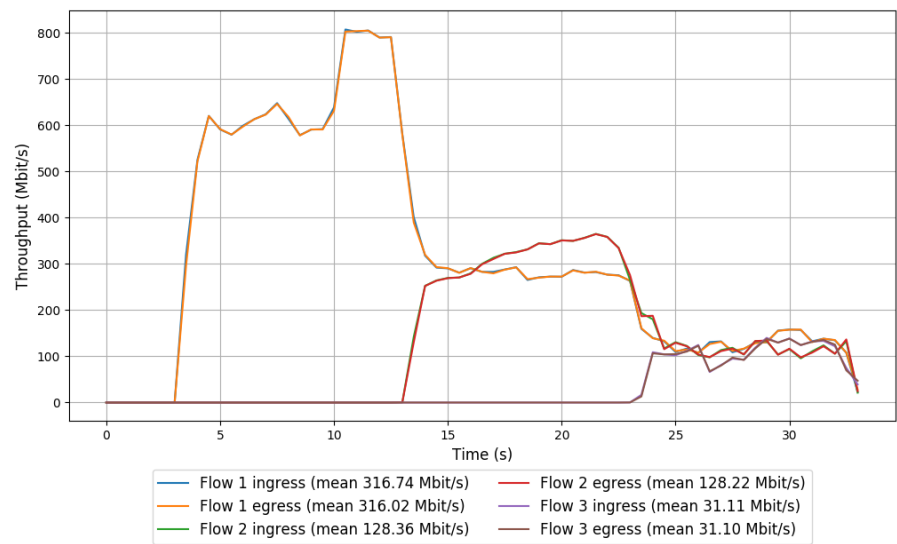
-- Flow 3:

Average throughput: 31.10 Mbit/s

95th percentile per-packet one-way delay: 23.848 ms

Loss rate: 0.05%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 09:13:58 +0000

End at: Sat, 01 Jul 2017 09:14:28 +0000

Local clock offset: -0.164 ms

Remote clock offset: -5.661 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 43.40 Mbit/s

95th percentile per-packet one-way delay: 24.233 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 14.40 Mbit/s

95th percentile per-packet one-way delay: 24.239 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.82 Mbit/s

95th percentile per-packet one-way delay: 24.228 ms

Loss rate: 0.00%

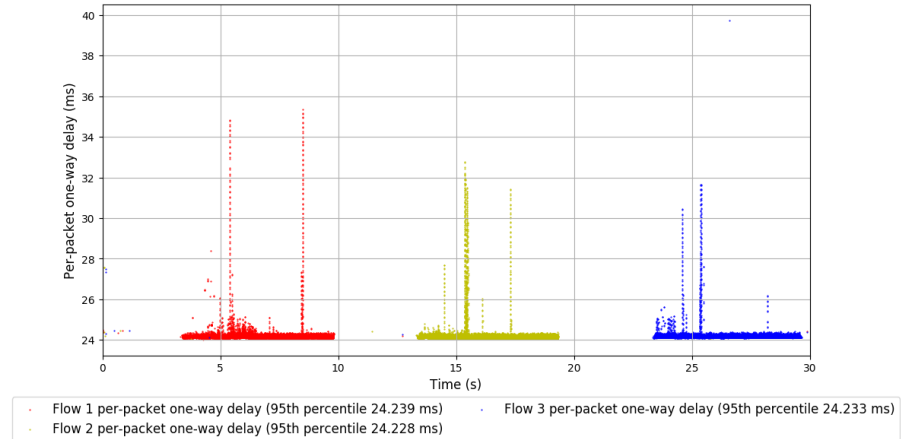
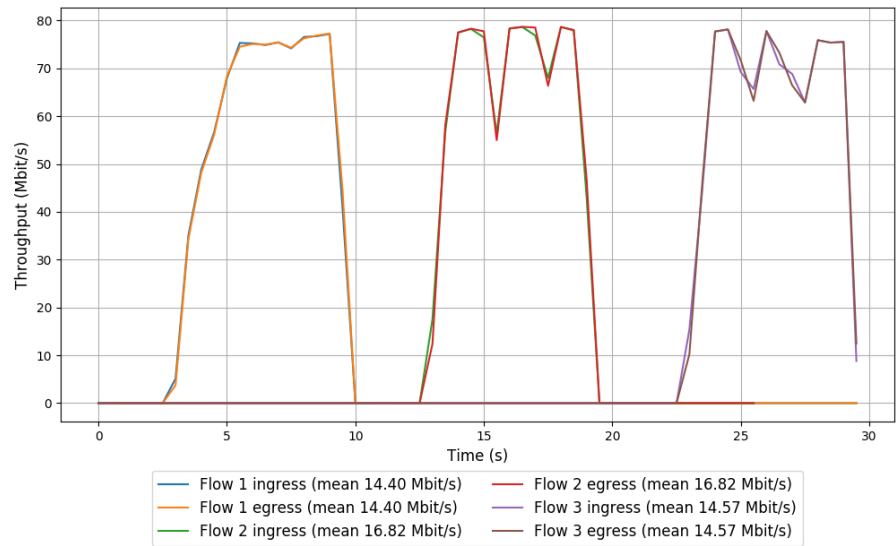
-- Flow 3:

Average throughput: 14.57 Mbit/s

95th percentile per-packet one-way delay: 24.233 ms

Loss rate: 0.00%

# Run 1: Report of QUIC Cubic (toy) — Data Link



Run 2: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 09:35:07 +0000

End at: Sat, 01 Jul 2017 09:35:37 +0000

Local clock offset: -0.058 ms

Remote clock offset: -5.651 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.73 Mbit/s

95th percentile per-packet one-way delay: 24.459 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 13.88 Mbit/s

95th percentile per-packet one-way delay: 24.482 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.39 Mbit/s

95th percentile per-packet one-way delay: 24.424 ms

Loss rate: 0.00%

-- Flow 3:

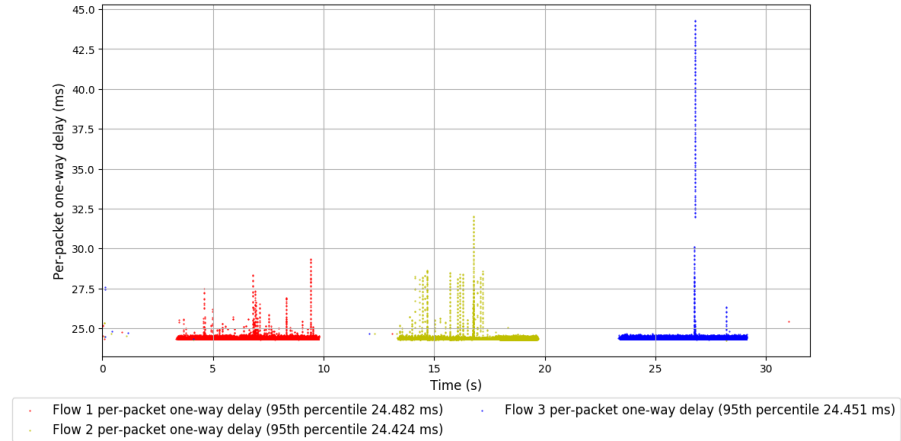
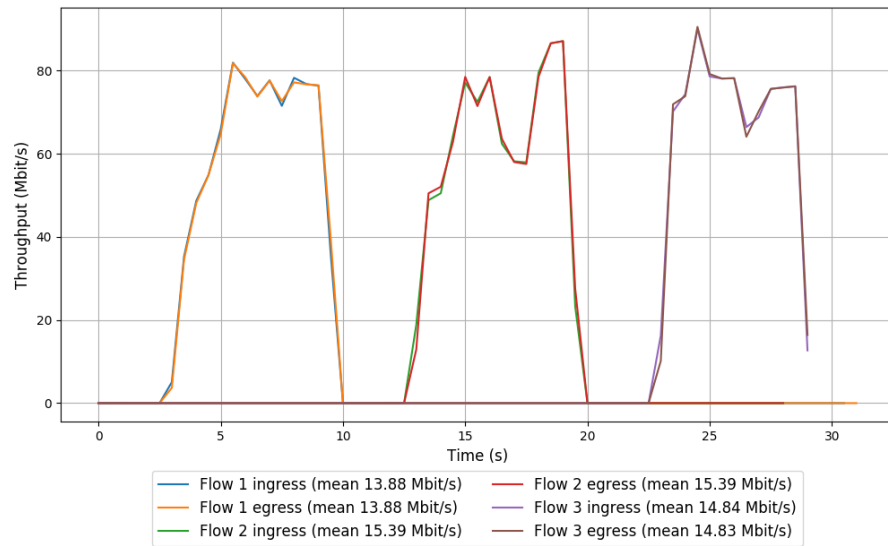
Average throughput: 14.83 Mbit/s

95th percentile per-packet one-way delay: 24.451 ms

Loss rate: 0.12%



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



Run 3: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 09:56:15 +0000

End at: Sat, 01 Jul 2017 09:56:45 +0000

Local clock offset: 0.028 ms

Remote clock offset: -5.563 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 44.06 Mbit/s

95th percentile per-packet one-way delay: 24.429 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 16.23 Mbit/s

95th percentile per-packet one-way delay: 24.442 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.51 Mbit/s

95th percentile per-packet one-way delay: 24.420 ms

Loss rate: 0.00%

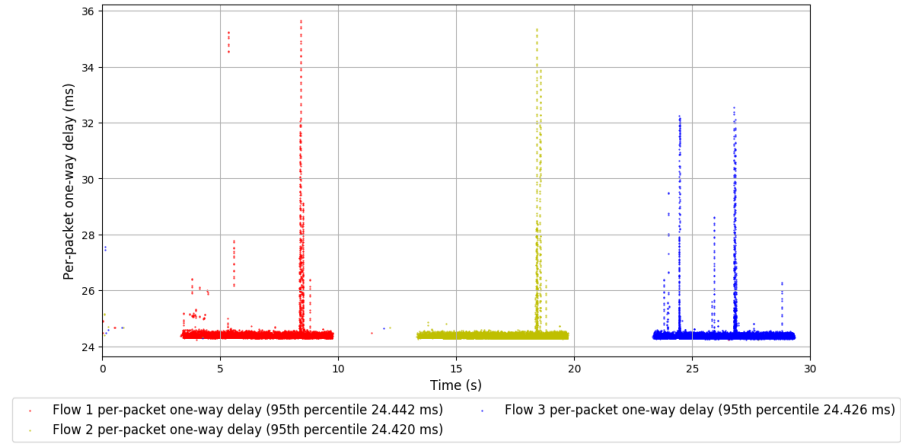
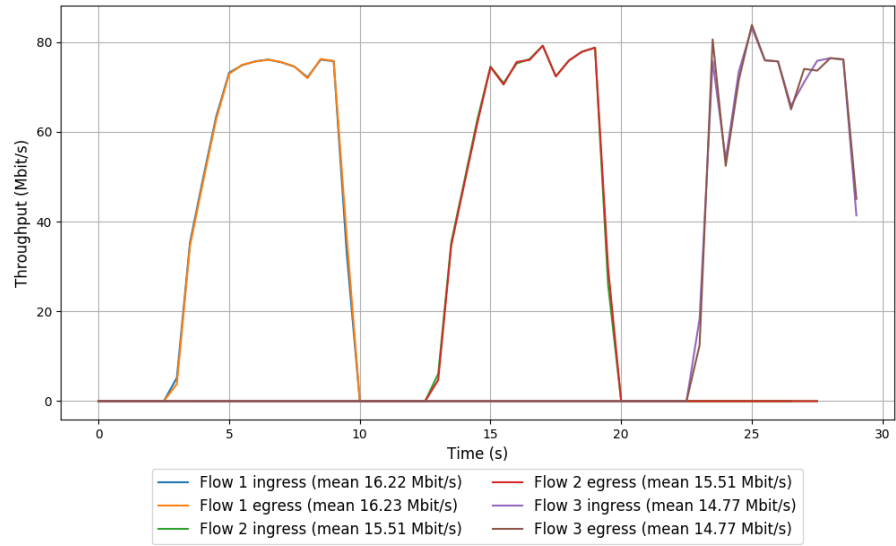
-- Flow 3:

Average throughput: 14.77 Mbit/s

95th percentile per-packet one-way delay: 24.426 ms

Loss rate: 0.00%

### Run 3: Report of QUIC Cubic (toy) — Data Link



Run 4: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 10:17:05 +0000

End at: Sat, 01 Jul 2017 10:17:35 +0000

Local clock offset: 0.161 ms

Remote clock offset: -5.034 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:08 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 44.13 Mbit/s

95th percentile per-packet one-way delay: 23.902 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 14.92 Mbit/s

95th percentile per-packet one-way delay: 23.901 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.78 Mbit/s

95th percentile per-packet one-way delay: 23.910 ms

Loss rate: 0.00%

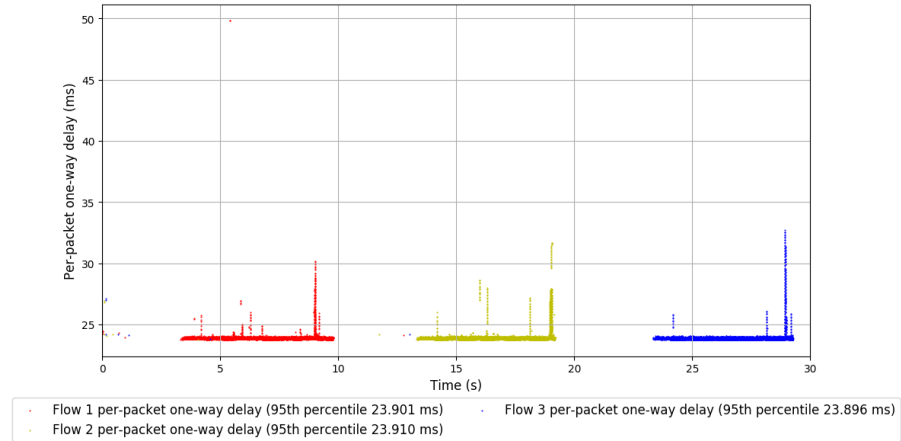
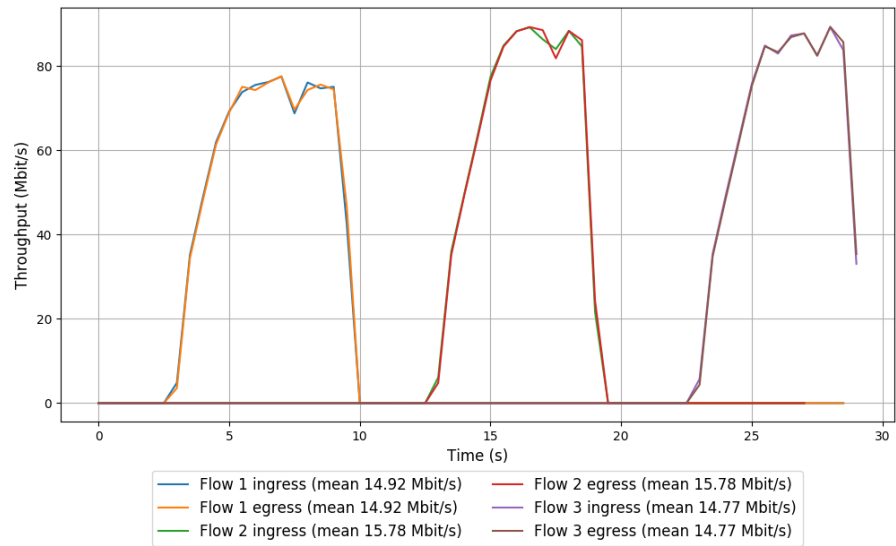
-- Flow 3:

Average throughput: 14.77 Mbit/s

95th percentile per-packet one-way delay: 23.896 ms

Loss rate: 0.00%

# Run 4: Report of QUIC Cubic (toy) — Data Link



Run 5: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 10:37:46 +0000

End at: Sat, 01 Jul 2017 10:38:16 +0000

Local clock offset: 0.135 ms

Remote clock offset: -4.749 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 42.78 Mbit/s

95th percentile per-packet one-way delay: 23.683 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 16.66 Mbit/s

95th percentile per-packet one-way delay: 23.680 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.46 Mbit/s

95th percentile per-packet one-way delay: 23.695 ms

Loss rate: 0.00%

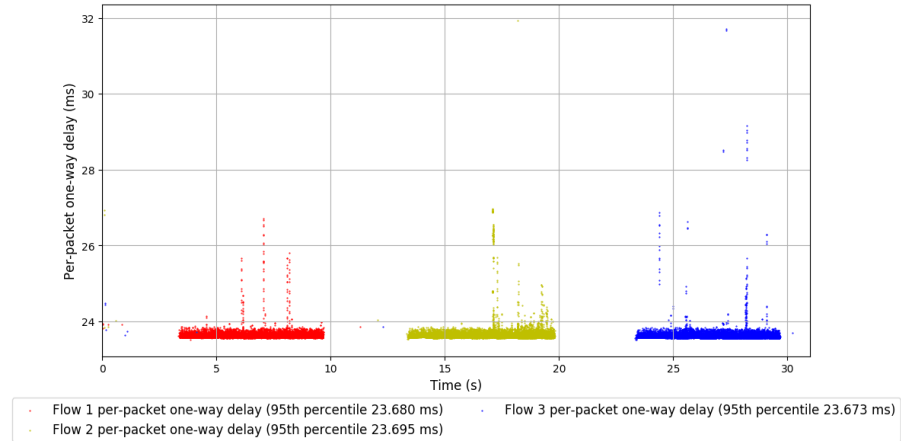
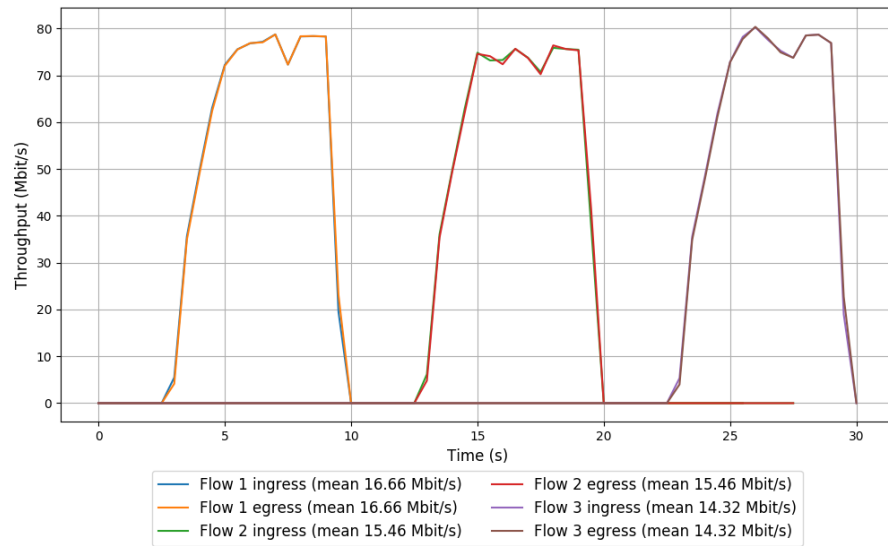
-- Flow 3:

Average throughput: 14.32 Mbit/s

95th percentile per-packet one-way delay: 23.673 ms

Loss rate: 0.00%

## Run 5: Report of QUIC Cubic (toy) — Data Link



Run 6: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 10:58:41 +0000

End at: Sat, 01 Jul 2017 10:59:11 +0000

Local clock offset: 0.087 ms

Remote clock offset: -4.541 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 42.50 Mbit/s

95th percentile per-packet one-way delay: 23.472 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 16.84 Mbit/s

95th percentile per-packet one-way delay: 23.452 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.24 Mbit/s

95th percentile per-packet one-way delay: 23.488 ms

Loss rate: 0.00%

-- Flow 3:

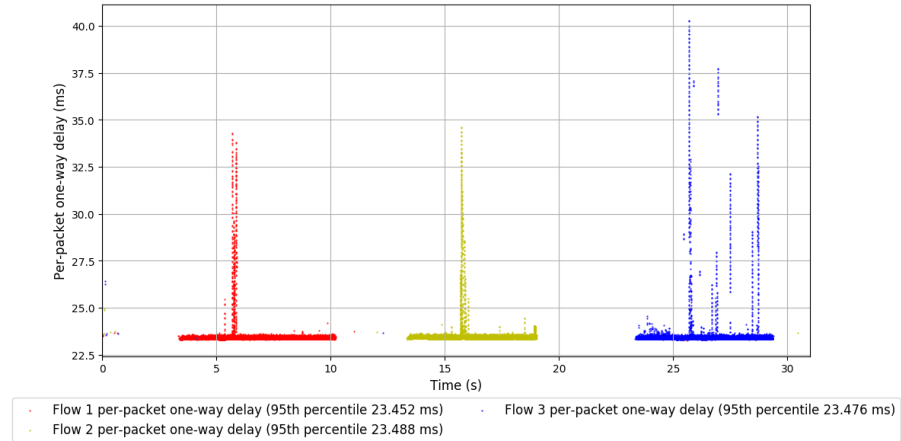
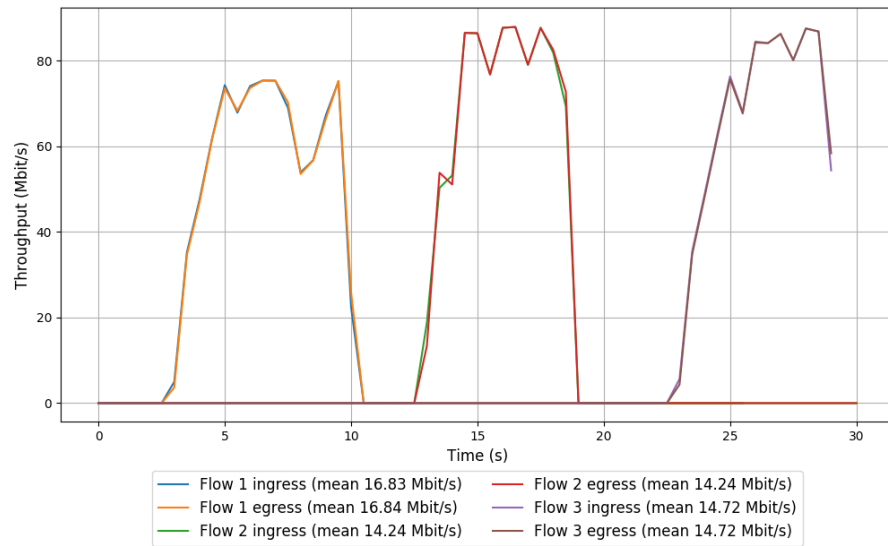
Average throughput: 14.72 Mbit/s

95th percentile per-packet one-way delay: 23.476 ms

Loss rate: 0.05%



## Run 6: Report of QUIC Cubic (toy) — Data Link



Run 7: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 11:19:54 +0000

End at: Sat, 01 Jul 2017 11:20:24 +0000

Local clock offset: 0.174 ms

Remote clock offset: -4.882 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:21 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 42.29 Mbit/s

95th percentile per-packet one-way delay: 23.885 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 14.07 Mbit/s

95th percentile per-packet one-way delay: 23.886 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 15.40 Mbit/s

95th percentile per-packet one-way delay: 23.902 ms

Loss rate: 0.00%

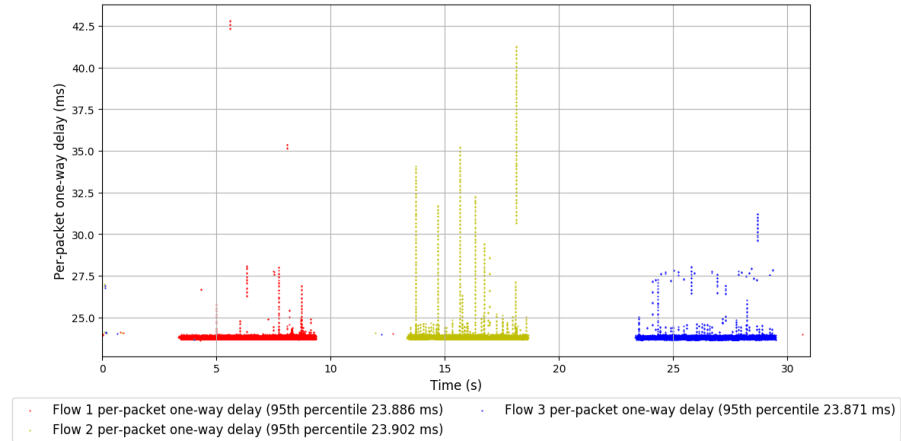
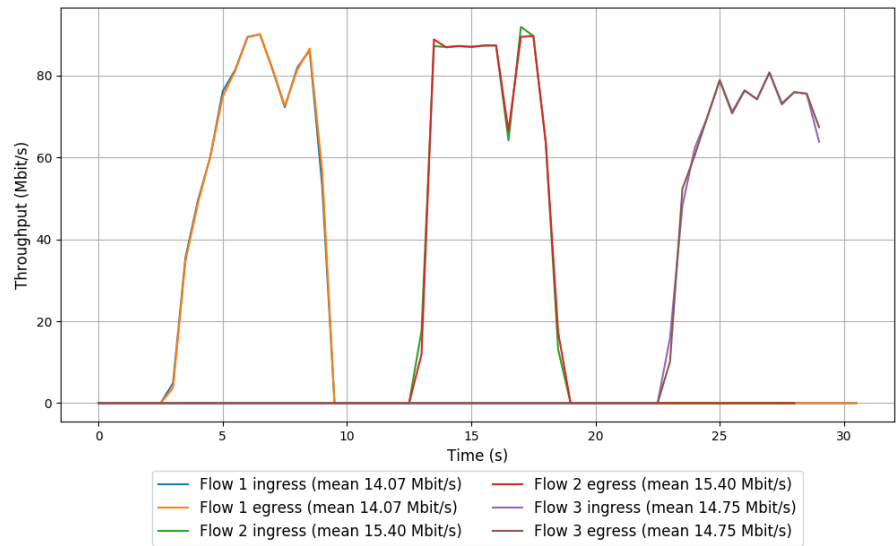
-- Flow 3:

Average throughput: 14.75 Mbit/s

95th percentile per-packet one-way delay: 23.871 ms

Loss rate: 0.00%

# Run 7: Report of QUIC Cubic (toy) — Data Link



Run 8: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 11:41:01 +0000

End at: Sat, 01 Jul 2017 11:41:31 +0000

Local clock offset: 0.064 ms

Remote clock offset: -4.597 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.19 Mbit/s

95th percentile per-packet one-way delay: 23.438 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.73 Mbit/s

95th percentile per-packet one-way delay: 23.430 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 16.12 Mbit/s

95th percentile per-packet one-way delay: 23.427 ms

Loss rate: 0.01%

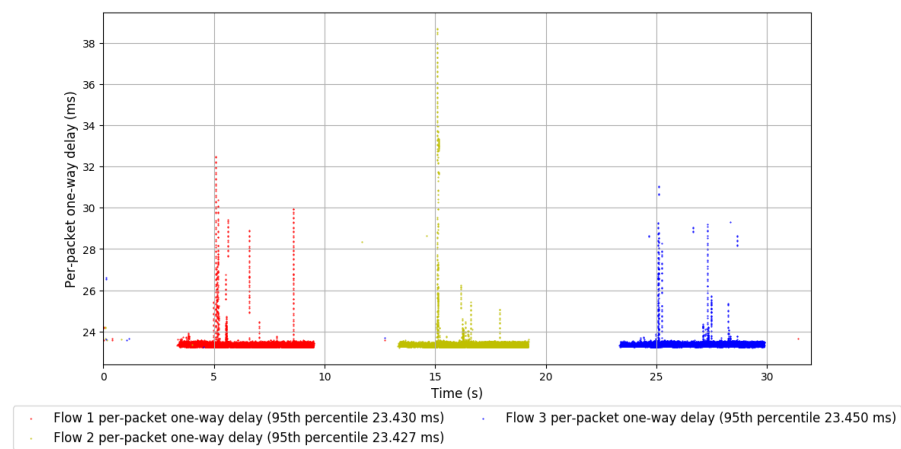
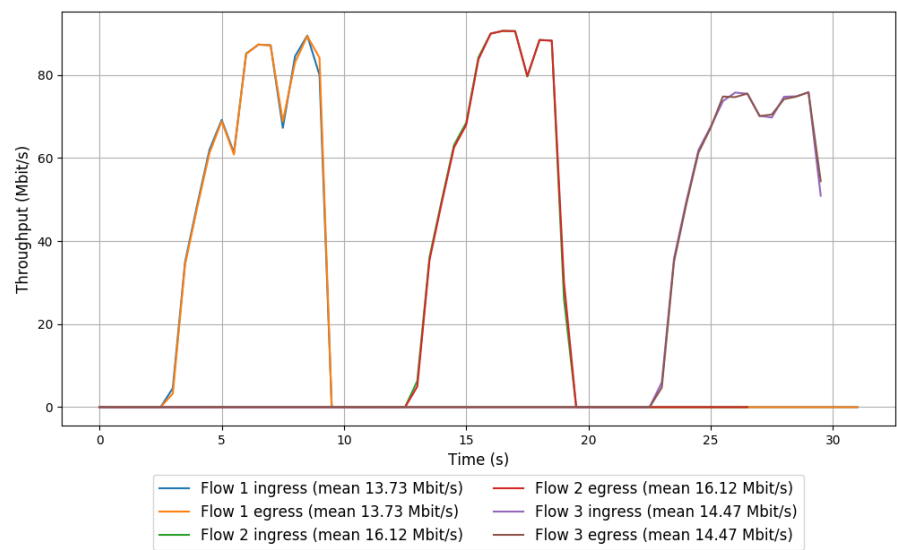
-- Flow 3:

Average throughput: 14.47 Mbit/s

95th percentile per-packet one-way delay: 23.450 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic (toy) — Data Link



Run 9: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 12:01:55 +0000

End at: Sat, 01 Jul 2017 12:02:25 +0000

Local clock offset: 0.051 ms

Remote clock offset: -4.316 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:28 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 41.20 Mbit/s

95th percentile per-packet one-way delay: 23.162 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 13.68 Mbit/s

95th percentile per-packet one-way delay: 23.161 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 13.74 Mbit/s

95th percentile per-packet one-way delay: 23.174 ms

Loss rate: 0.00%

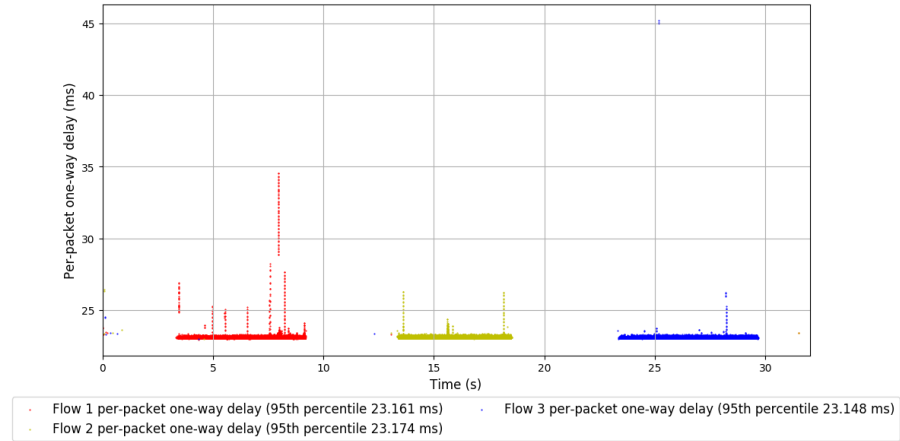
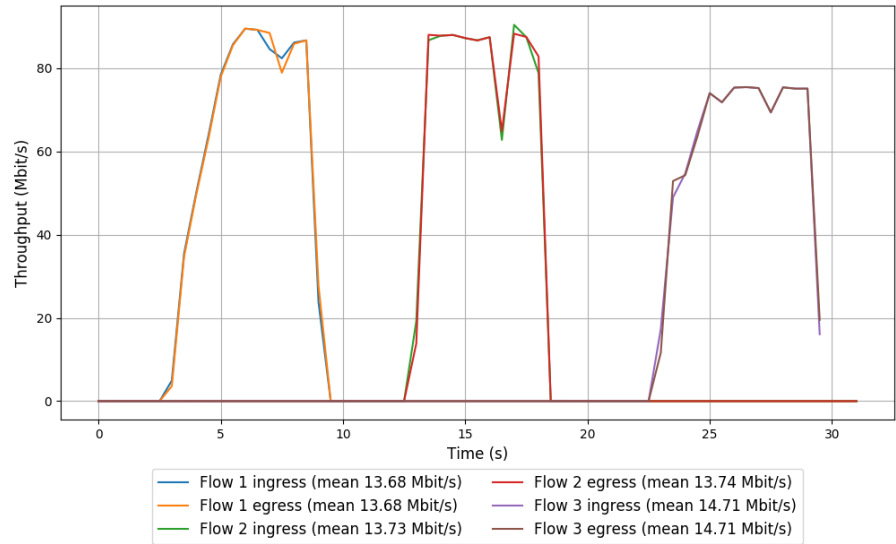
-- Flow 3:

Average throughput: 14.71 Mbit/s

95th percentile per-packet one-way delay: 23.148 ms

Loss rate: 0.00%

# Run 9: Report of QUIC Cubic (toy) — Data Link



Run 10: Statistics of QUIC Cubic (toy)

Start at: Sat, 01 Jul 2017 12:22:50 +0000

End at: Sat, 01 Jul 2017 12:23:20 +0000

Local clock offset: -0.087 ms

Remote clock offset: -4.639 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:29 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 43.76 Mbit/s

95th percentile per-packet one-way delay: 23.420 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 14.57 Mbit/s

95th percentile per-packet one-way delay: 23.406 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.68 Mbit/s

95th percentile per-packet one-way delay: 23.432 ms

Loss rate: 0.00%

-- Flow 3:

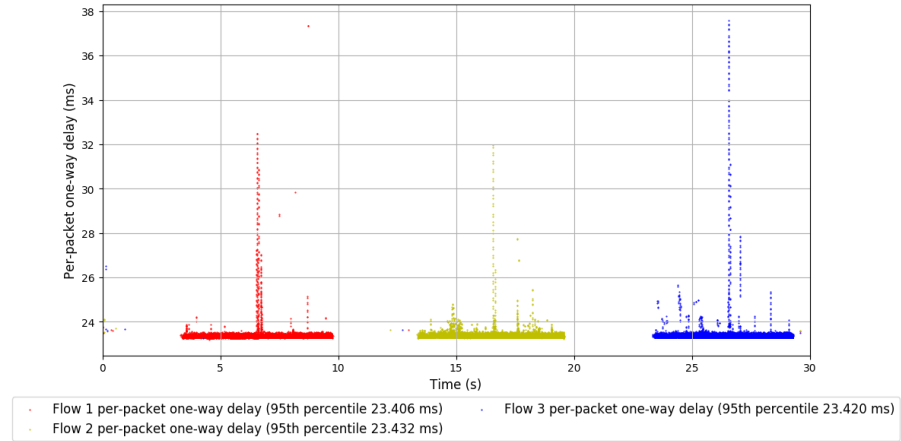
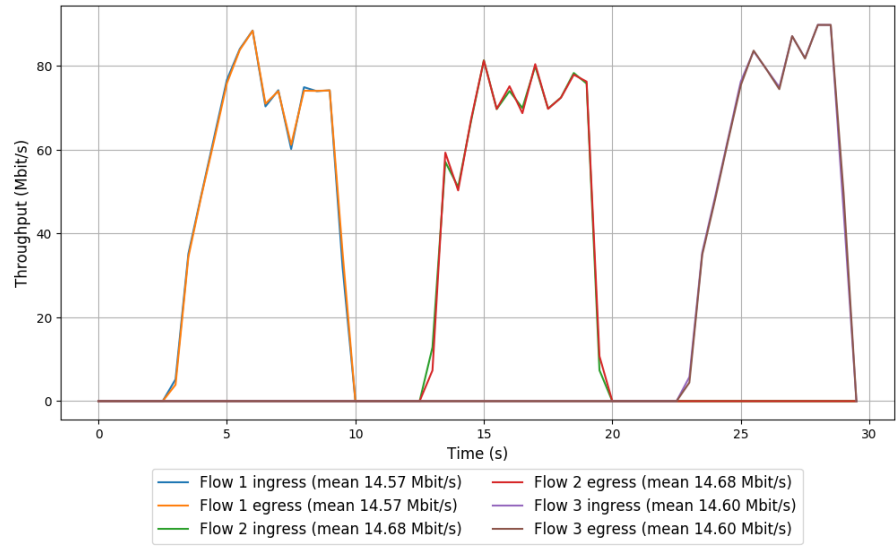
Average throughput: 14.60 Mbit/s

95th percentile per-packet one-way delay: 23.420 ms

Loss rate: 0.02%



# Run 10: Report of QUIC Cubic (toy) — Data Link



Run 1: Statistics of Saturator

Start at: Sat, 01 Jul 2017 09:20:56 +0000

End at: Sat, 01 Jul 2017 09:21:26 +0000

Local clock offset: -0.21 ms

Remote clock offset: -5.636 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:56 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 244.76 Mbit/s

95th percentile per-packet one-way delay: 24.381 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 117.40 Mbit/s

95th percentile per-packet one-way delay: 24.375 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 85.14 Mbit/s

95th percentile per-packet one-way delay: 24.351 ms

Loss rate: 0.01%

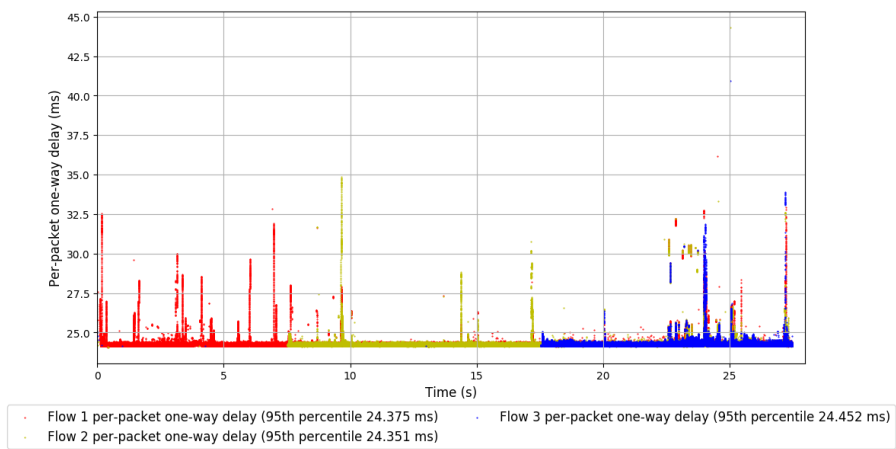
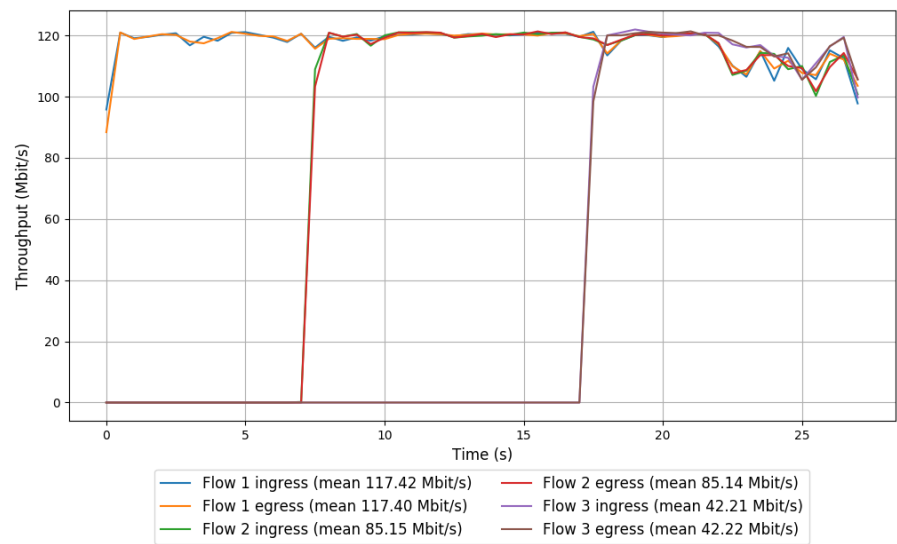
-- Flow 3:

Average throughput: 42.22 Mbit/s

95th percentile per-packet one-way delay: 24.452 ms

Loss rate: 0.00%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sat, 01 Jul 2017 09:42:02 +0000

End at: Sat, 01 Jul 2017 09:42:32 +0000

Local clock offset: -0.024 ms

Remote clock offset: -5.695 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:40:58 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 242.38 Mbit/s

95th percentile per-packet one-way delay: 24.638 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 116.38 Mbit/s

95th percentile per-packet one-way delay: 24.628 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 83.38 Mbit/s

95th percentile per-packet one-way delay: 24.636 ms

Loss rate: 0.06%

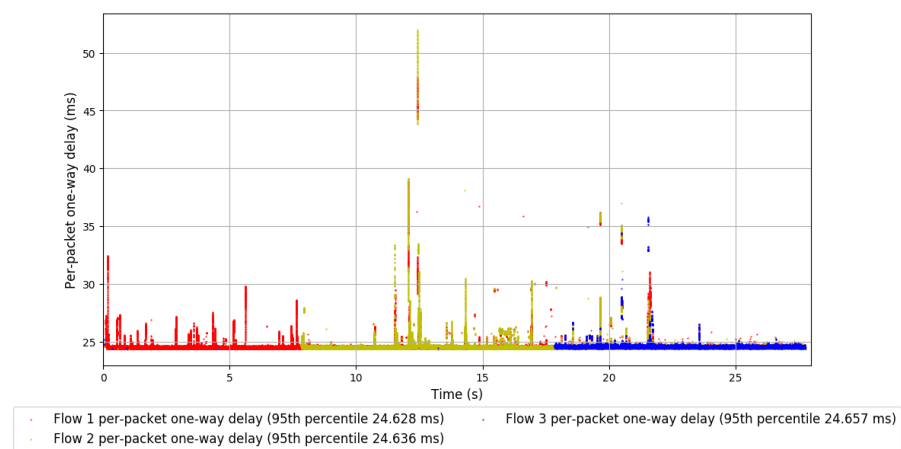
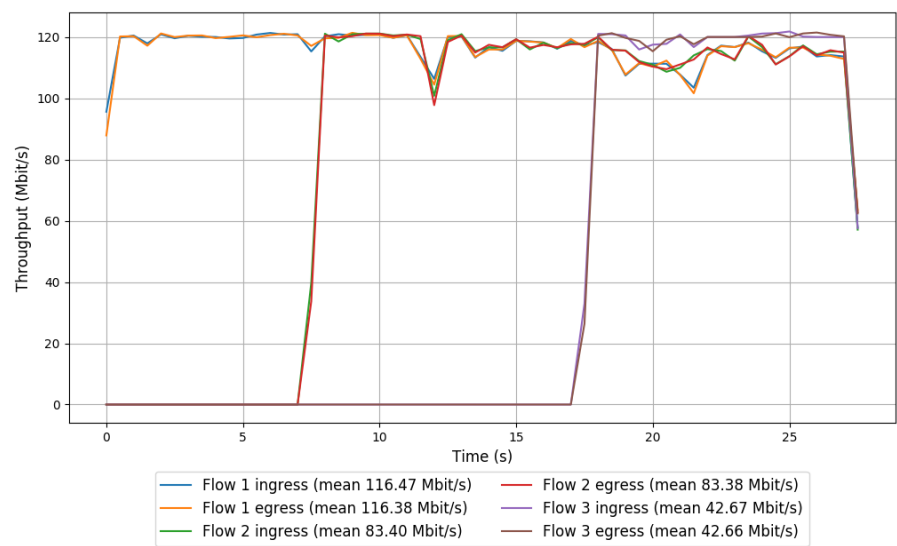
-- Flow 3:

Average throughput: 42.66 Mbit/s

95th percentile per-packet one-way delay: 24.657 ms

Loss rate: 0.02%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

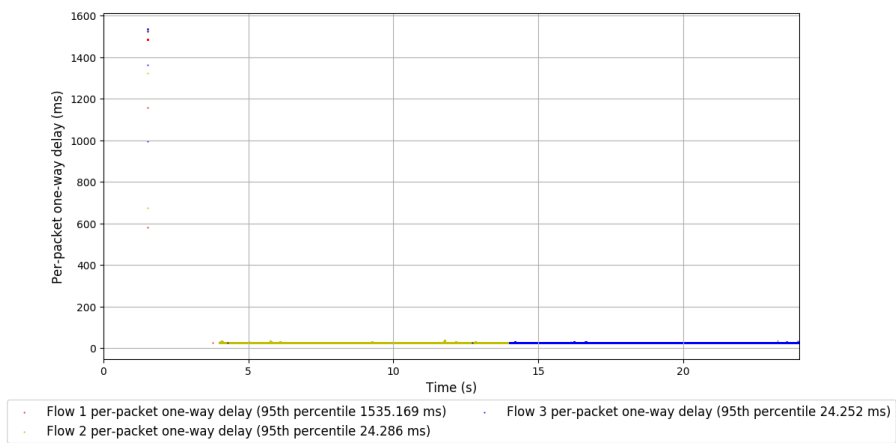
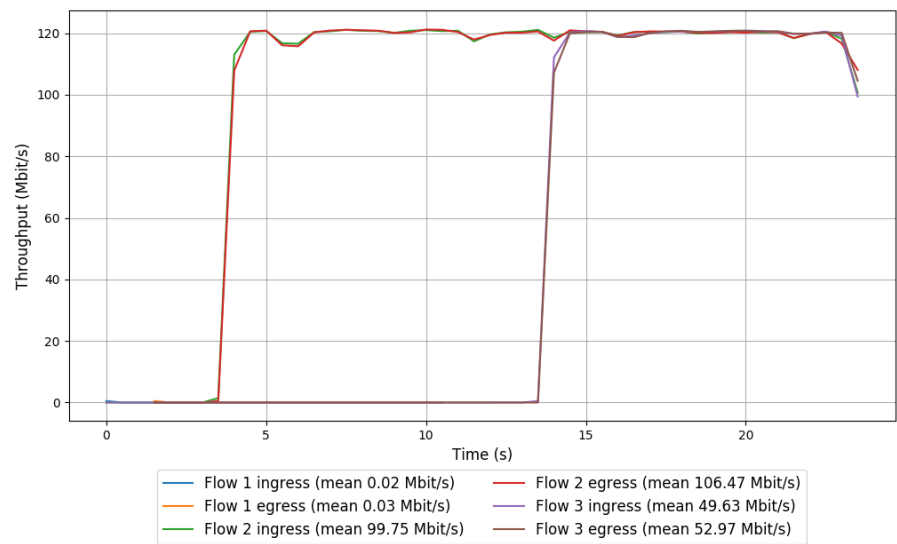
Start at: Sat, 01 Jul 2017 10:03:07 +0000

End at: Sat, 01 Jul 2017 10:03:37 +0000

Local clock offset: 0.147 ms

Remote clock offset: -5.278 ms

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sat, 01 Jul 2017 10:23:54 +0000

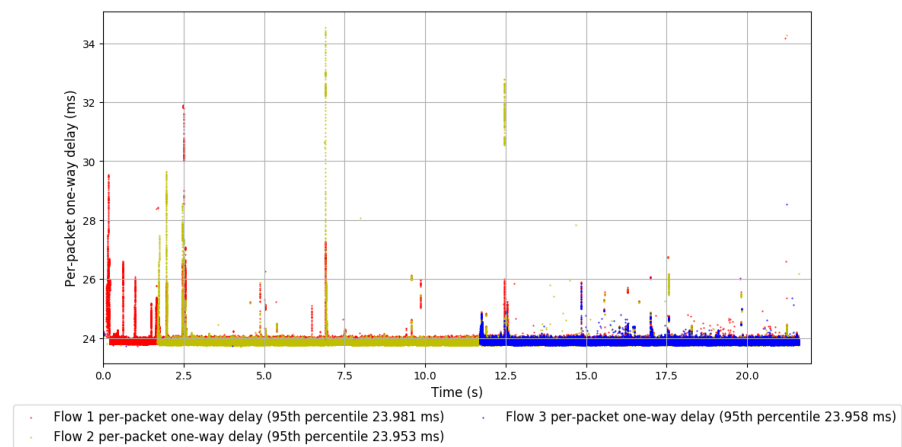
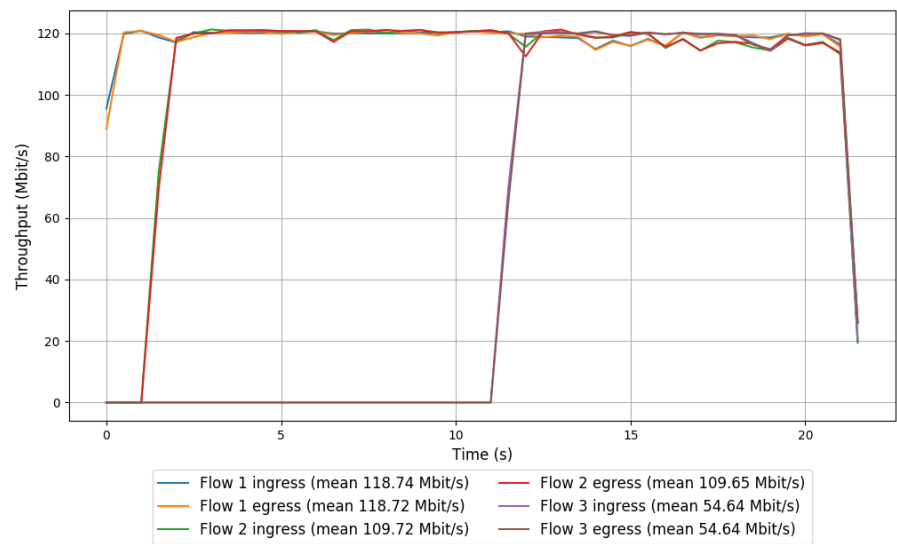
End at: Sat, 01 Jul 2017 10:24:24 +0000

Local clock offset: 0.137 ms

Remote clock offset: -4.935 ms



Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sat, 01 Jul 2017 10:44:42 +0000

End at: Sat, 01 Jul 2017 10:45:12 +0000

Local clock offset: 0.074 ms

Remote clock offset: -4.596 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:41:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 243.32 Mbit/s

95th percentile per-packet one-way delay: 23.829 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 118.56 Mbit/s

95th percentile per-packet one-way delay: 23.814 ms

Loss rate: 0.06%

-- Flow 2:

Average throughput: 83.43 Mbit/s

95th percentile per-packet one-way delay: 23.804 ms

Loss rate: 0.06%

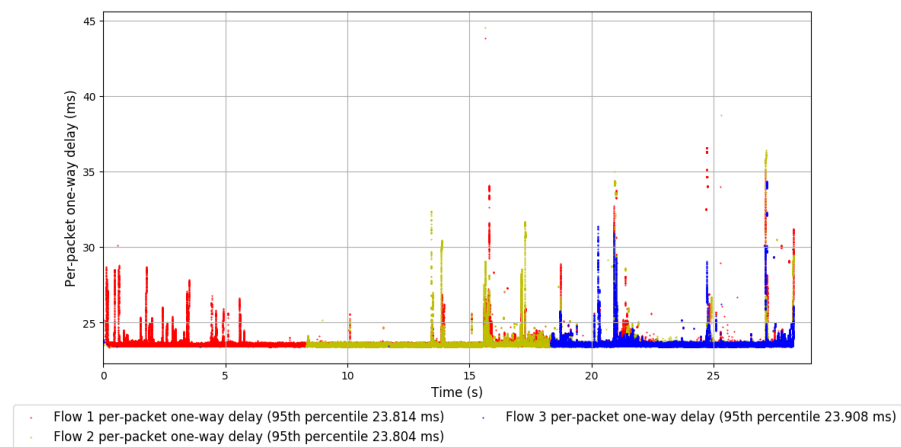
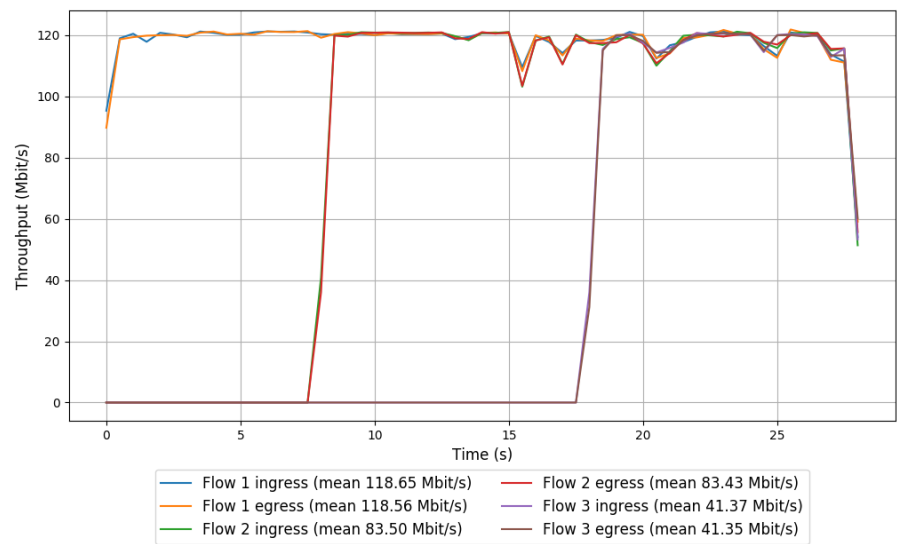
-- Flow 3:

Average throughput: 41.35 Mbit/s

95th percentile per-packet one-way delay: 23.908 ms

Loss rate: 0.05%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sat, 01 Jul 2017 11:05:34 +0000

End at: Sat, 01 Jul 2017 11:06:04 +0000

Local clock offset: 0.171 ms

Remote clock offset: -4.6 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:41:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 262.16 Mbit/s

95th percentile per-packet one-way delay: 23.701 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 119.23 Mbit/s

95th percentile per-packet one-way delay: 23.680 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 95.70 Mbit/s

95th percentile per-packet one-way delay: 23.691 ms

Loss rate: 0.01%

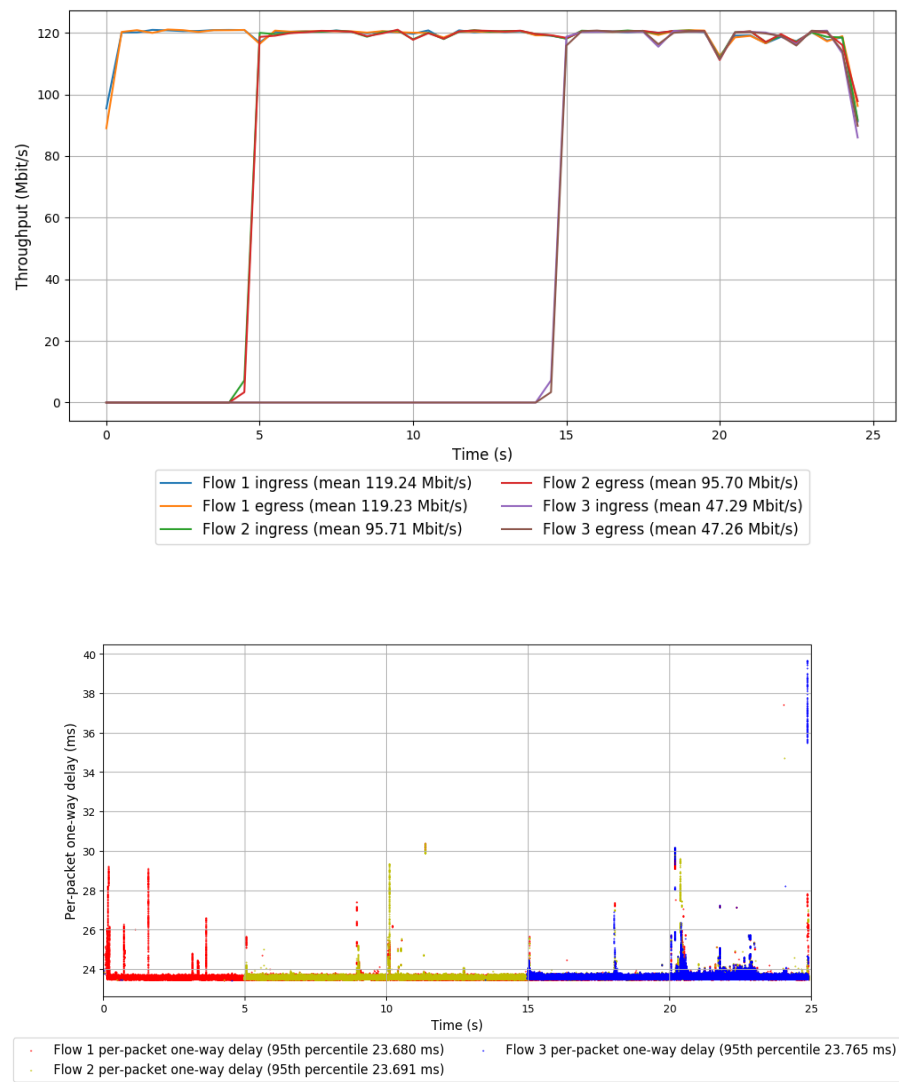
-- Flow 3:

Average throughput: 47.26 Mbit/s

95th percentile per-packet one-way delay: 23.765 ms

Loss rate: 0.06%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sat, 01 Jul 2017 11:26:51 +0000

End at: Sat, 01 Jul 2017 11:27:21 +0000

Local clock offset: 0.129 ms

Remote clock offset: -4.79 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 244.95 Mbit/s

95th percentile per-packet one-way delay: 23.772 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 118.52 Mbit/s

95th percentile per-packet one-way delay: 23.799 ms

Loss rate: 0.11%

-- Flow 2:

Average throughput: 84.79 Mbit/s

95th percentile per-packet one-way delay: 23.755 ms

Loss rate: 0.00%

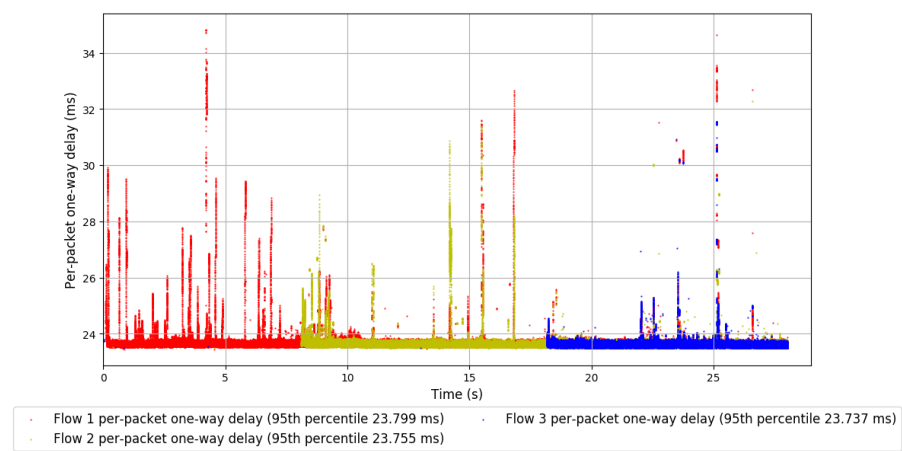
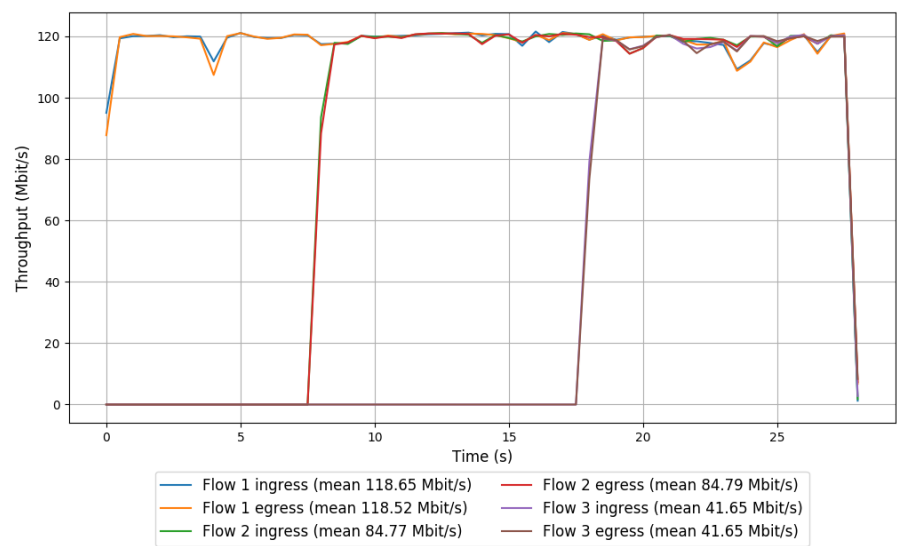
-- Flow 3:

Average throughput: 41.65 Mbit/s

95th percentile per-packet one-way delay: 23.737 ms

Loss rate: 0.00%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sat, 01 Jul 2017 11:47:54 +0000

End at: Sat, 01 Jul 2017 11:48:24 +0000

Local clock offset: 0.059 ms

Remote clock offset: -4.53 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 148.40 Mbit/s

95th percentile per-packet one-way delay: 23.480 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 0.02 Mbit/s

95th percentile per-packet one-way delay: 1506.483 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 99.02 Mbit/s

95th percentile per-packet one-way delay: 23.557 ms

Loss rate: 0.05%

-- Flow 3:

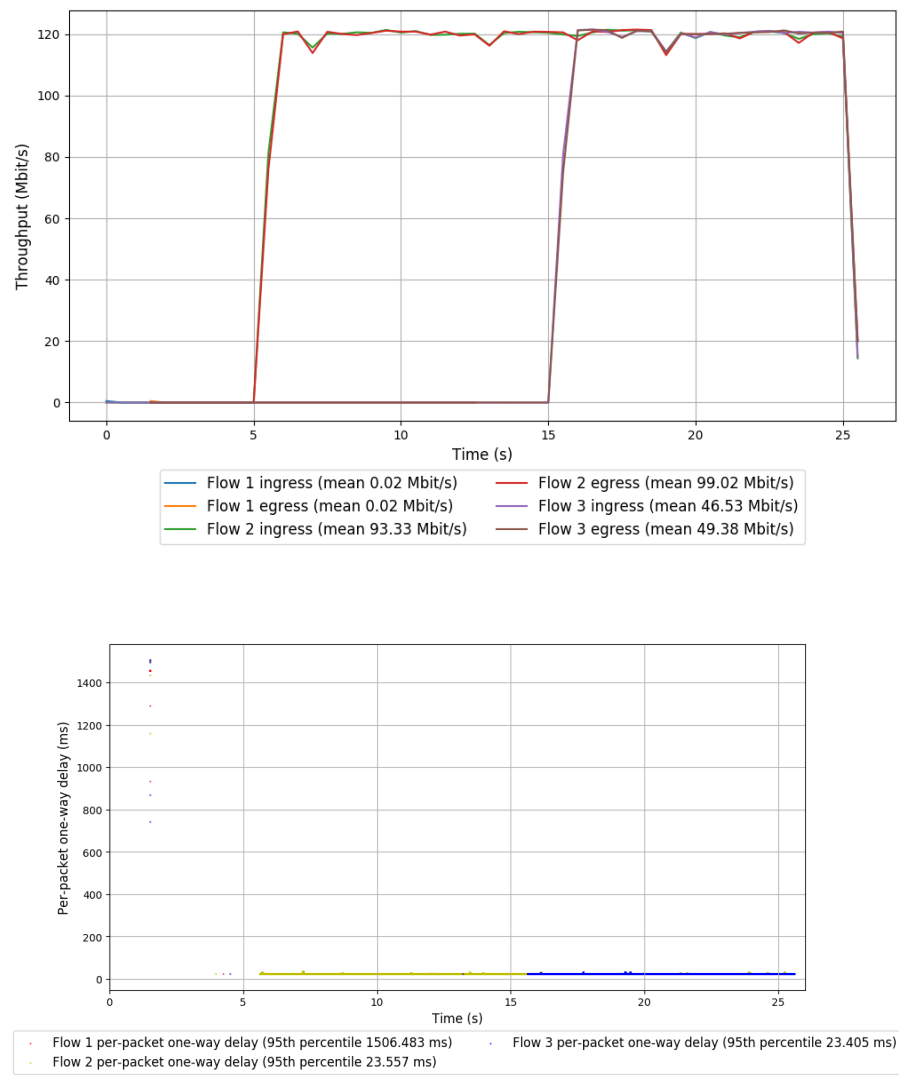
Average throughput: 49.38 Mbit/s

95th percentile per-packet one-way delay: 23.405 ms

Loss rate: 0.02%



Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sat, 01 Jul 2017 12:08:48 +0000

End at: Sat, 01 Jul 2017 12:09:18 +0000

Local clock offset: 0.026 ms

Remote clock offset: -4.341 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:39 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 214.48 Mbit/s

95th percentile per-packet one-way delay: 23.451 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 107.74 Mbit/s

95th percentile per-packet one-way delay: 23.458 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 71.27 Mbit/s

95th percentile per-packet one-way delay: 23.750 ms

Loss rate: 0.13%

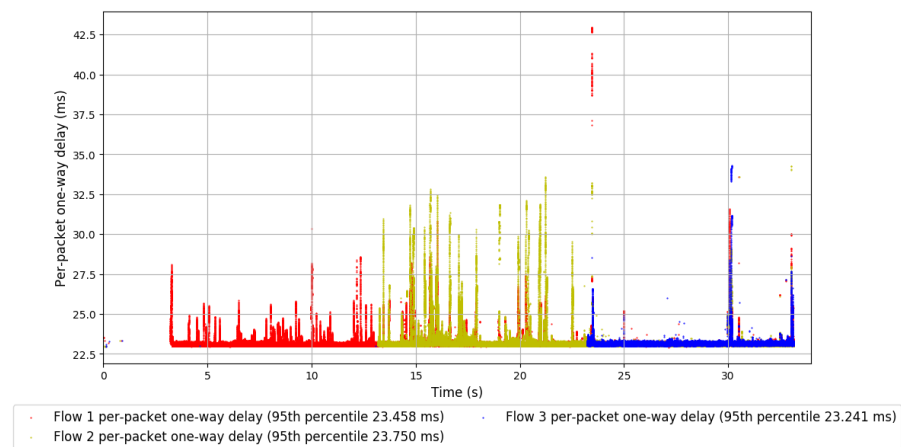
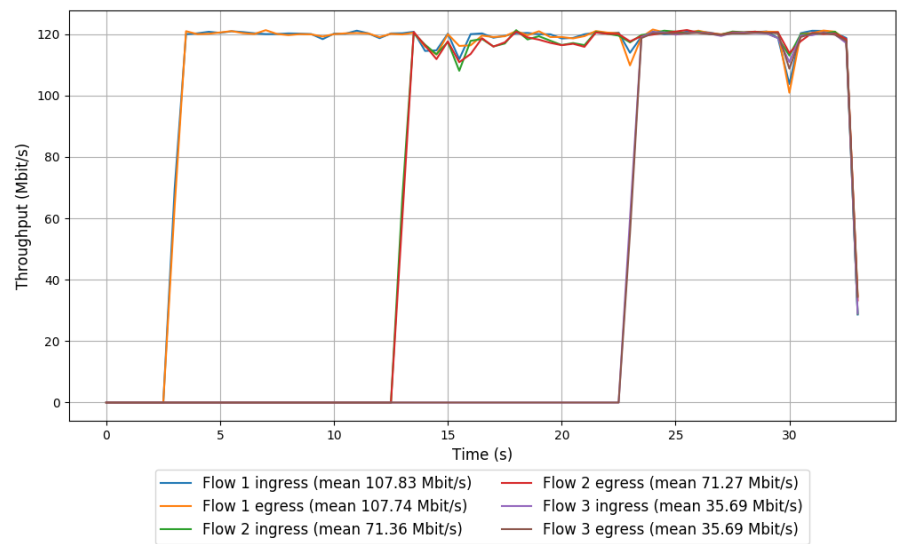
-- Flow 3:

Average throughput: 35.69 Mbit/s

95th percentile per-packet one-way delay: 23.241 ms

Loss rate: 0.01%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sat, 01 Jul 2017 12:29:45 +0000

End at: Sat, 01 Jul 2017 12:30:15 +0000

Local clock offset: -0.026 ms

Remote clock offset: -4.708 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 213.38 Mbit/s

95th percentile per-packet one-way delay: 23.922 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 107.04 Mbit/s

95th percentile per-packet one-way delay: 24.023 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 71.10 Mbit/s

95th percentile per-packet one-way delay: 23.846 ms

Loss rate: 0.06%

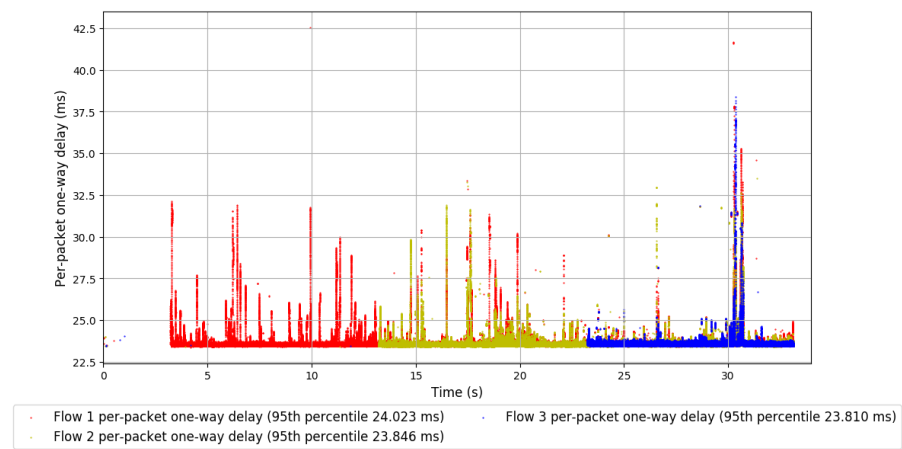
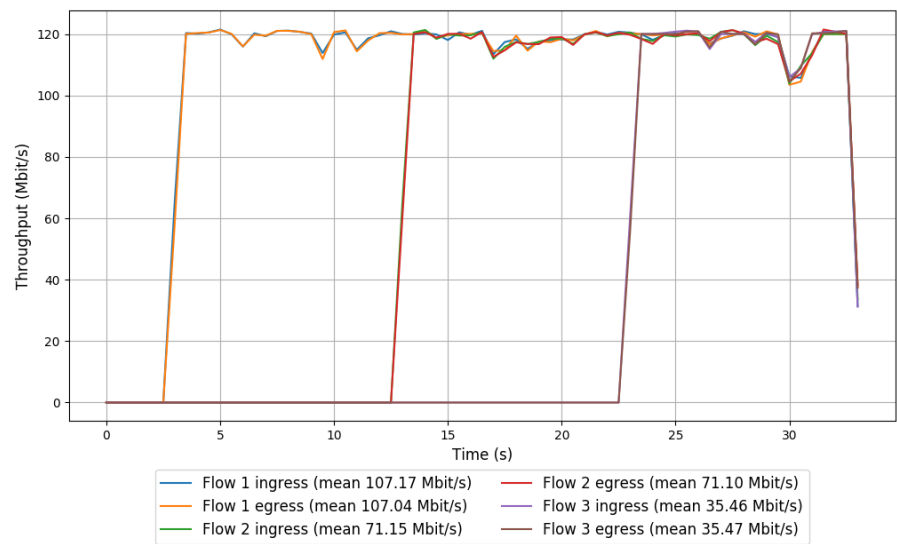
-- Flow 3:

Average throughput: 35.47 Mbit/s

95th percentile per-packet one-way delay: 23.810 ms

Loss rate: 0.02%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 09:22:21 +0000

End at: Sat, 01 Jul 2017 09:22:51 +0000

Local clock offset: -0.172 ms

Remote clock offset: -5.653 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 24.633 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 24.652 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 24.605 ms

Loss rate: 0.00%

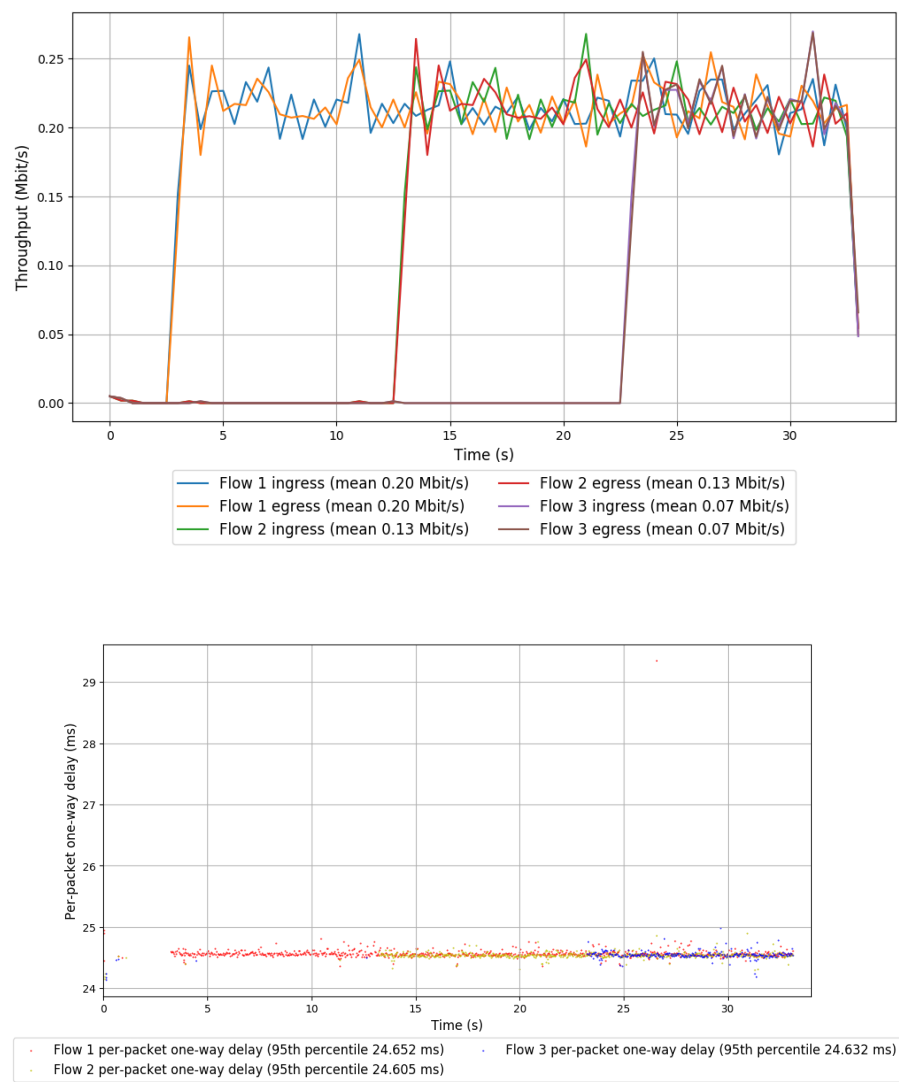
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 24.632 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 09:43:27 +0000

End at: Sat, 01 Jul 2017 09:43:57 +0000

Local clock offset: -0.007 ms

Remote clock offset: -5.689 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 24.887 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 24.890 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 24.881 ms

Loss rate: 0.00%

-- Flow 3:

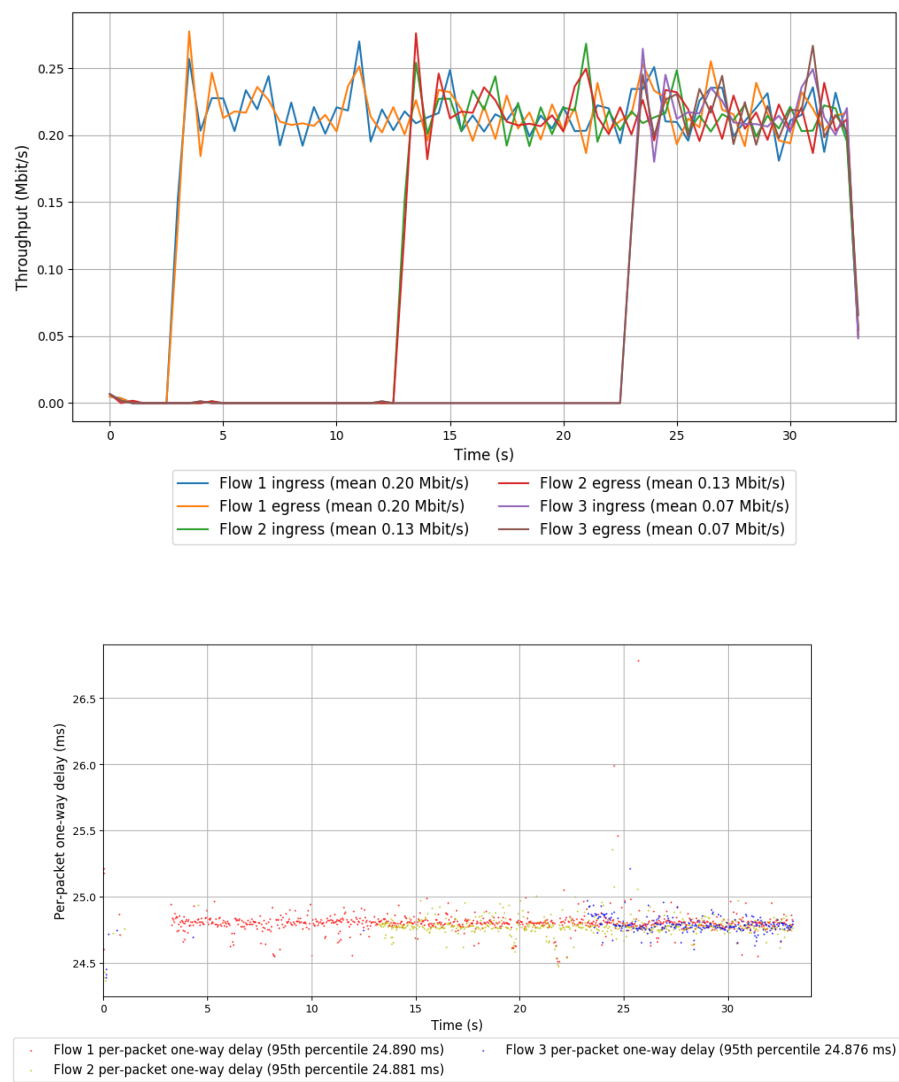
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 24.876 ms

Loss rate: 0.00%



Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 10:04:25 +0000

End at: Sat, 01 Jul 2017 10:04:55 +0000

Local clock offset: 0.11 ms

Remote clock offset: -5.238 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 24.536 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 24.533 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 24.532 ms

Loss rate: 0.00%

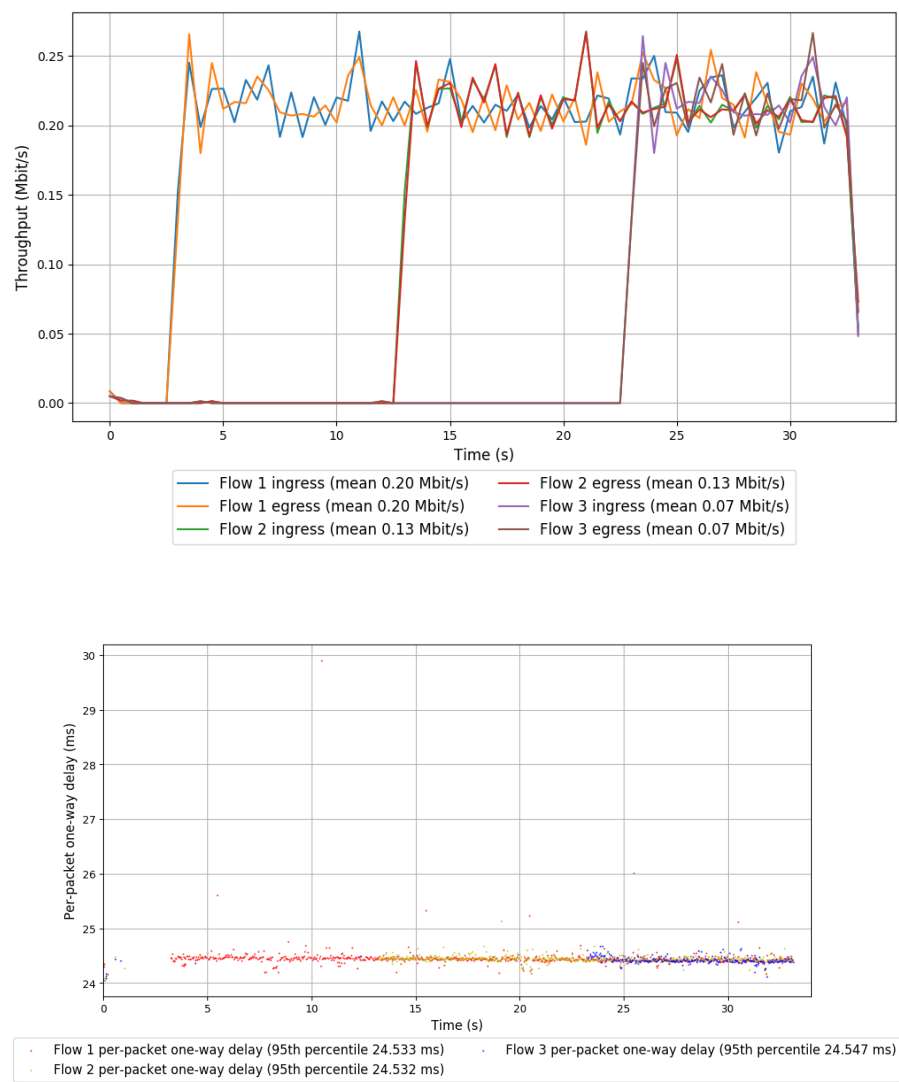
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 24.547 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 10:25:18 +0000

End at: Sat, 01 Jul 2017 10:25:48 +0000

Local clock offset: 0.122 ms

Remote clock offset: -5.027 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 24.276 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 24.232 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 24.295 ms

Loss rate: 0.00%

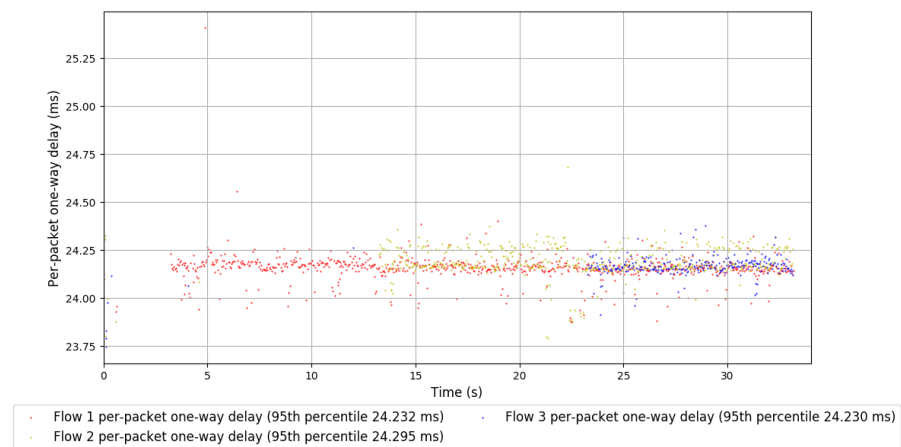
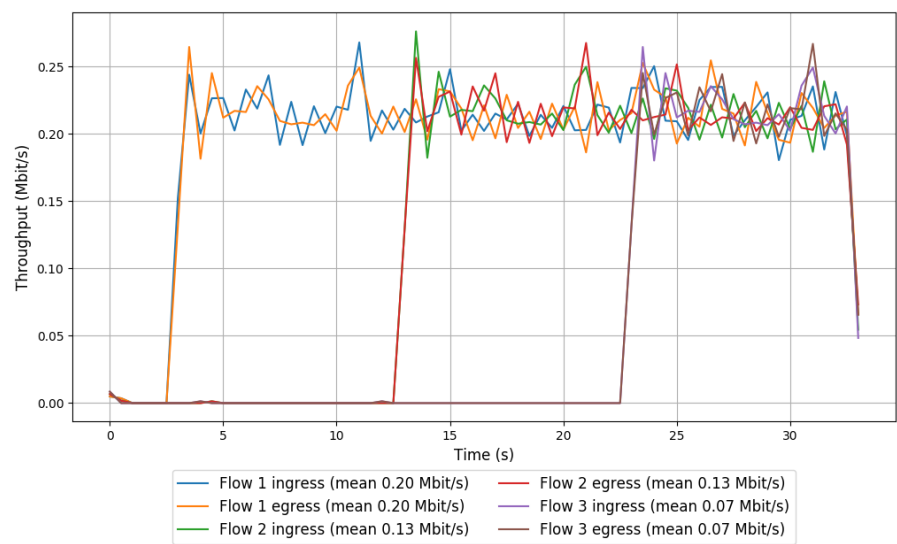
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 24.230 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 10:46:08 +0000

End at: Sat, 01 Jul 2017 10:46:38 +0000

Local clock offset: 0.072 ms

Remote clock offset: -4.637 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 23.857 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 23.857 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 23.853 ms

Loss rate: 0.00%

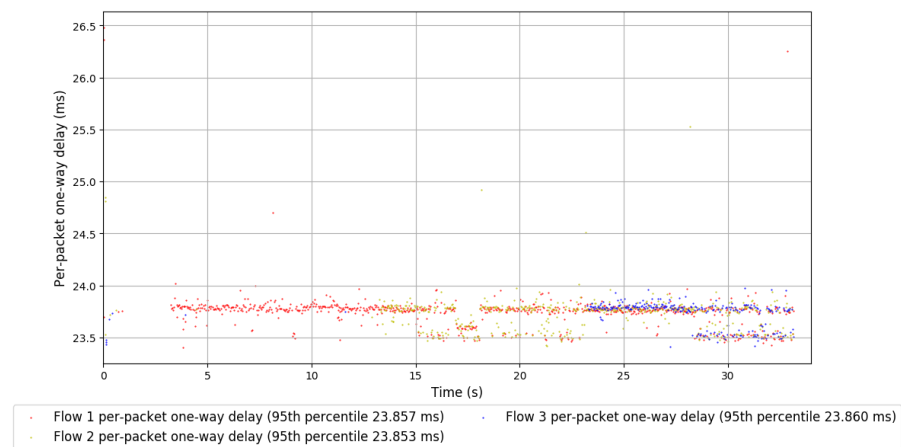
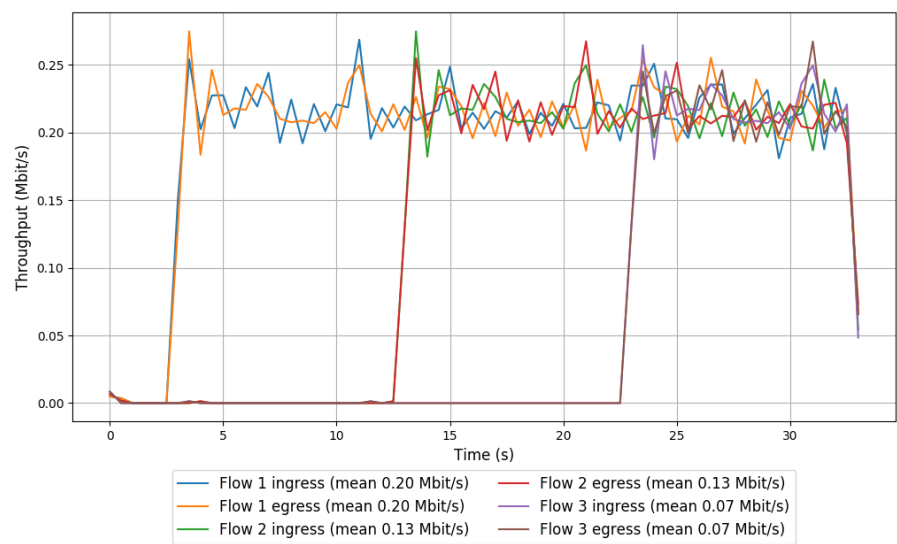
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 23.860 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 11:06:59 +0000

End at: Sat, 01 Jul 2017 11:07:29 +0000

Local clock offset: 0.216 ms

Remote clock offset: -4.672 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 23.970 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 23.971 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 23.954 ms

Loss rate: 0.00%

-- Flow 3:

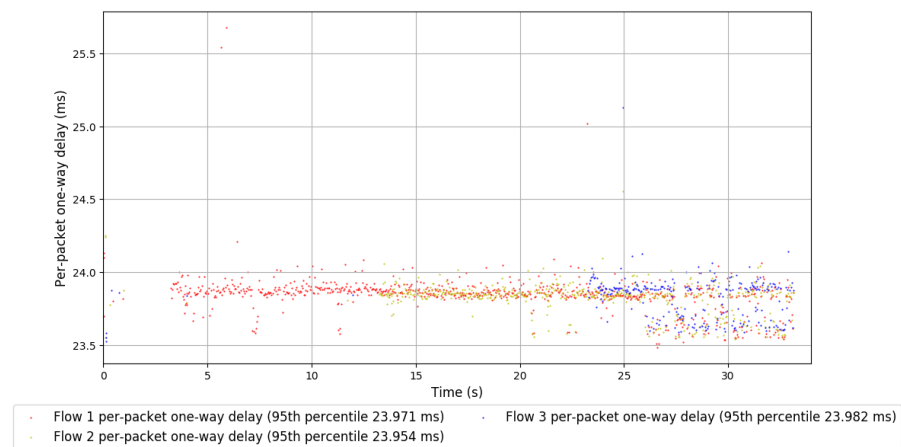
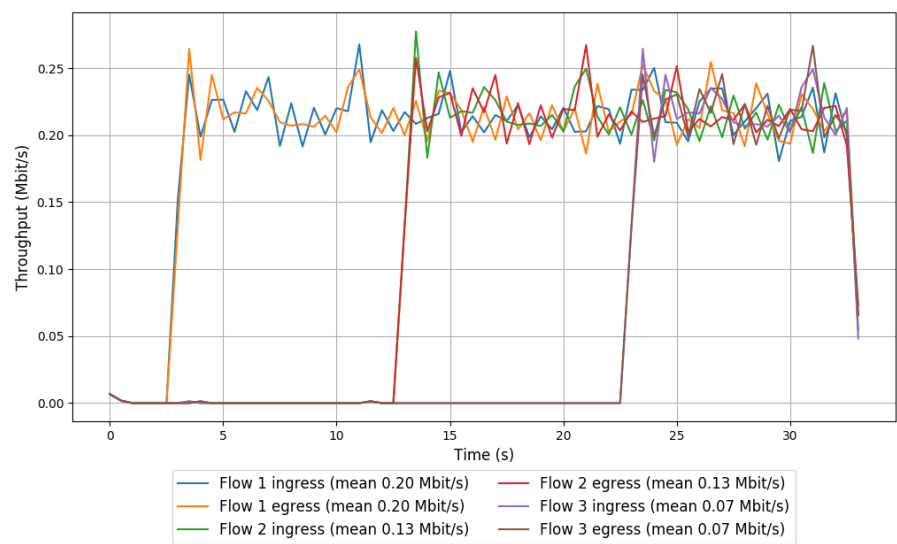
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 23.982 ms

Loss rate: 0.00%



Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 11:28:17 +0000

End at: Sat, 01 Jul 2017 11:28:47 +0000

Local clock offset: 0.132 ms

Remote clock offset: -4.685 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 23.967 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 23.944 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 23.952 ms

Loss rate: 0.00%

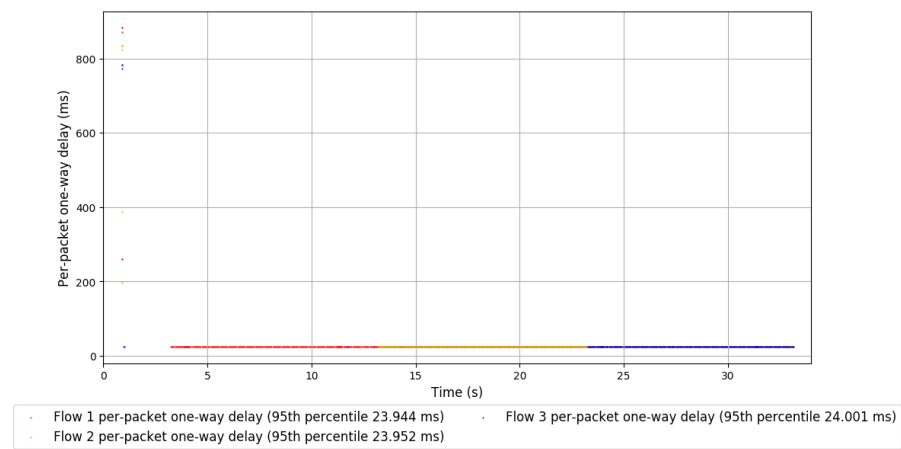
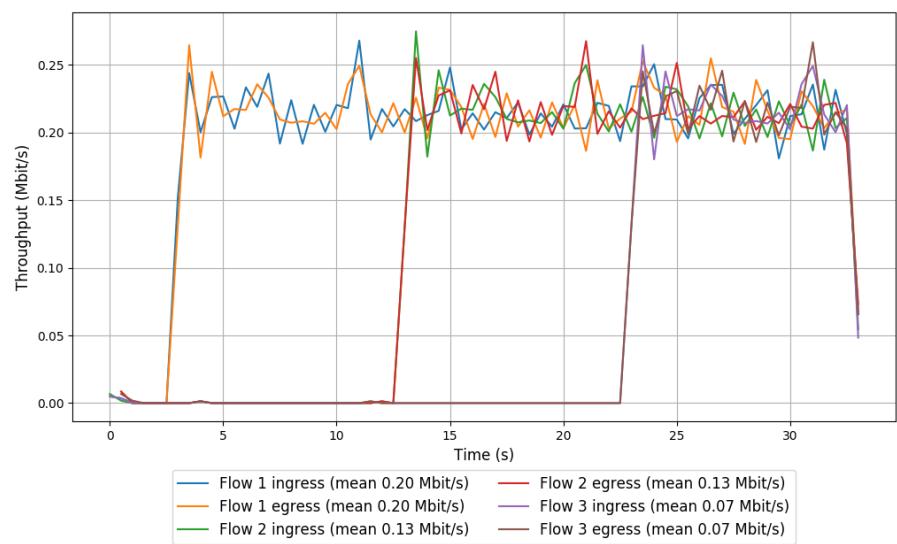
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 24.001 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 11:49:12 +0000

End at: Sat, 01 Jul 2017 11:49:42 +0000

Local clock offset: -0.035 ms

Remote clock offset: -4.474 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 23.654 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 23.653 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 23.646 ms

Loss rate: 0.00%

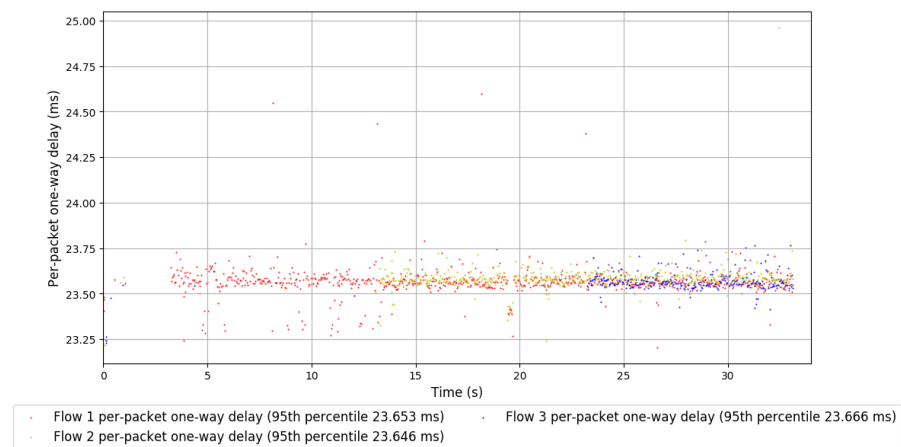
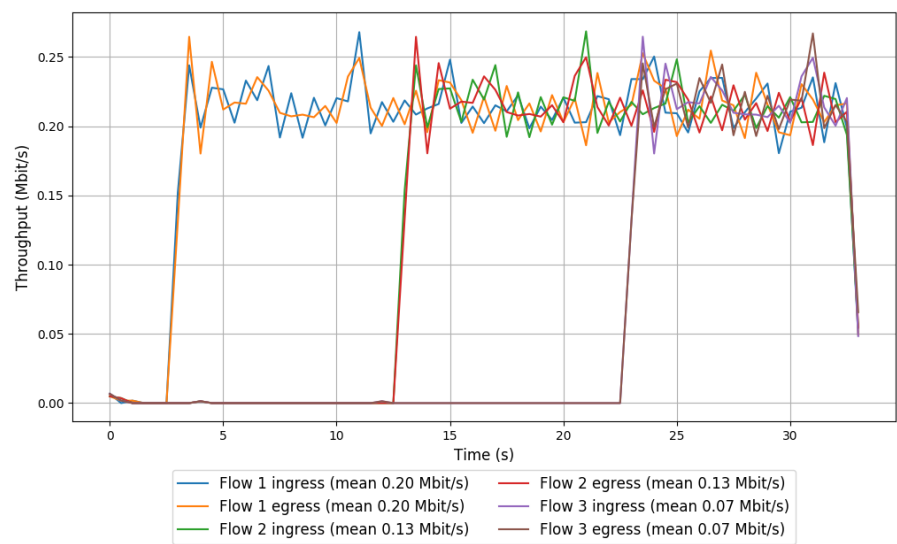
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 23.666 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 12:10:14 +0000

End at: Sat, 01 Jul 2017 12:10:44 +0000

Local clock offset: -0.07 ms

Remote clock offset: -4.365 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 23.493 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 23.478 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 23.493 ms

Loss rate: 0.00%

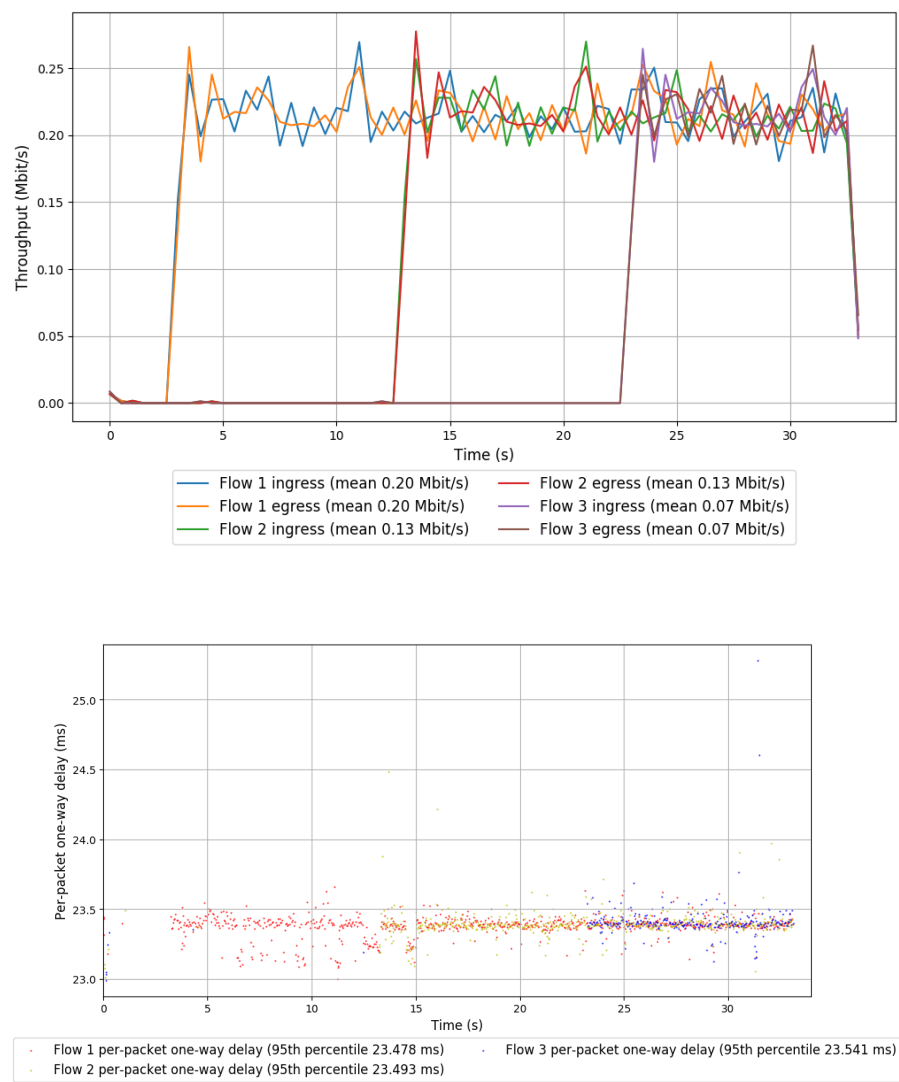
-- Flow 3:

Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 23.541 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Sat, 01 Jul 2017 12:31:11 +0000

End at: Sat, 01 Jul 2017 12:31:41 +0000

Local clock offset: 0.02 ms

Remote clock offset: -4.702 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:52 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 23.959 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 23.981 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 23.937 ms

Loss rate: 0.00%

-- Flow 3:

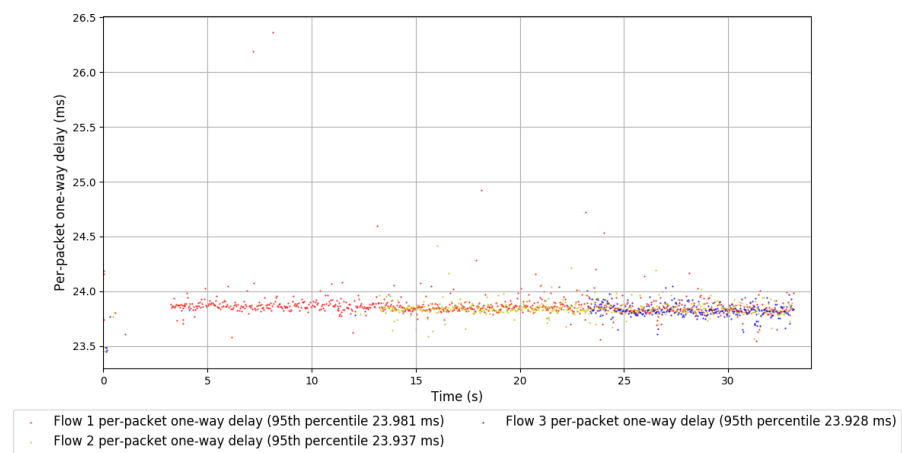
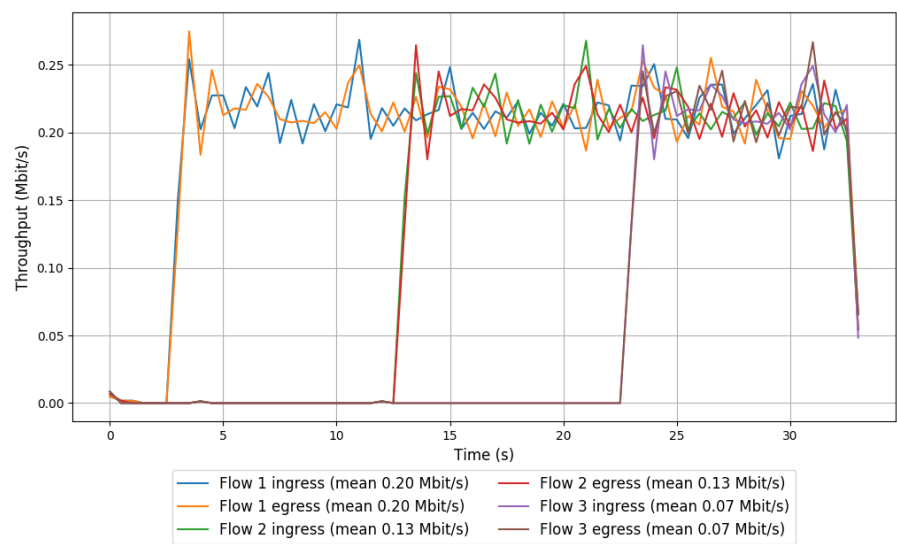
Average throughput: 0.07 Mbit/s

95th percentile per-packet one-way delay: 23.928 ms

Loss rate: 0.00%



Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sat, 01 Jul 2017 09:12:46 +0000

End at: Sat, 01 Jul 2017 09:13:16 +0000

Local clock offset: -0.269 ms

Remote clock offset: -5.641 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:57 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 53.83 Mbit/s

95th percentile per-packet one-way delay: 27.079 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.63 Mbit/s

95th percentile per-packet one-way delay: 27.416 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 19.77 Mbit/s

95th percentile per-packet one-way delay: 26.692 ms

Loss rate: 0.00%

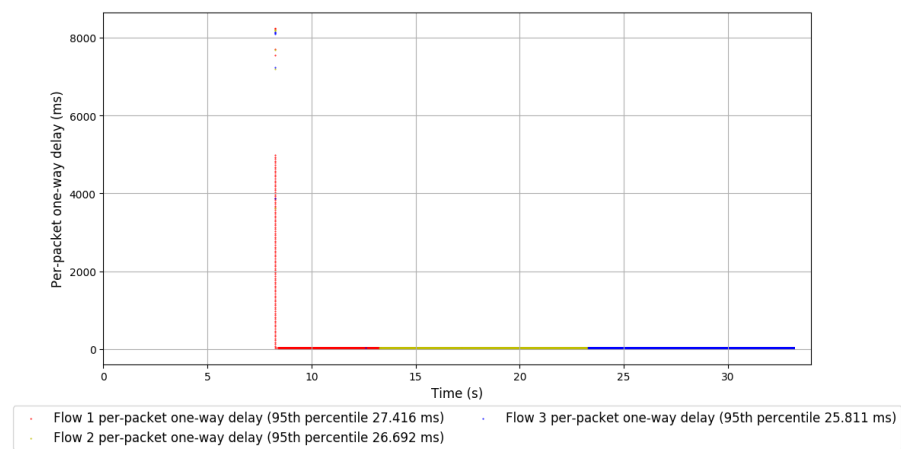
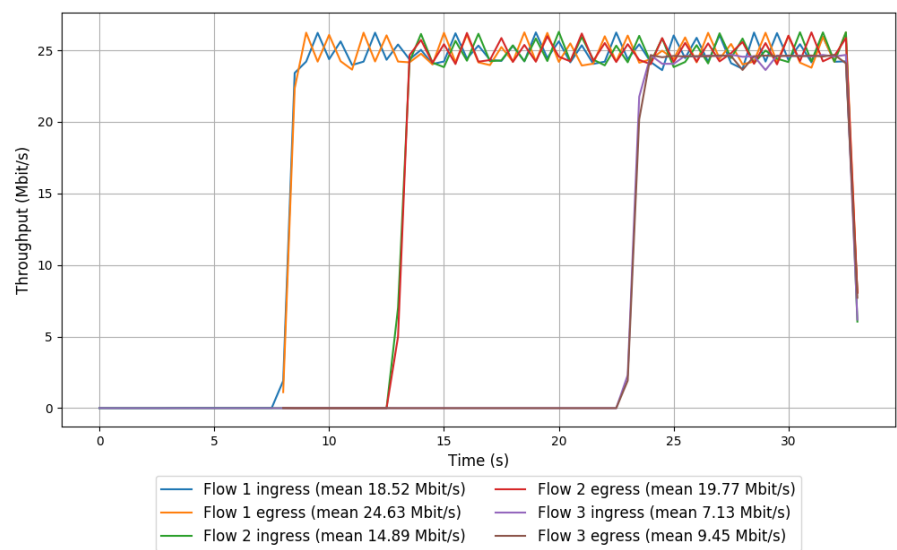
-- Flow 3:

Average throughput: 9.45 Mbit/s

95th percentile per-packet one-way delay: 25.811 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sat, 01 Jul 2017 09:33:55 +0000

End at: Sat, 01 Jul 2017 09:34:25 +0000

Local clock offset: -0.078 ms

Remote clock offset: -5.665 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:42:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 44.49 Mbit/s

95th percentile per-packet one-way delay: 27.135 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.33 Mbit/s

95th percentile per-packet one-way delay: 26.913 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.86 Mbit/s

95th percentile per-packet one-way delay: 27.479 ms

Loss rate: 0.00%

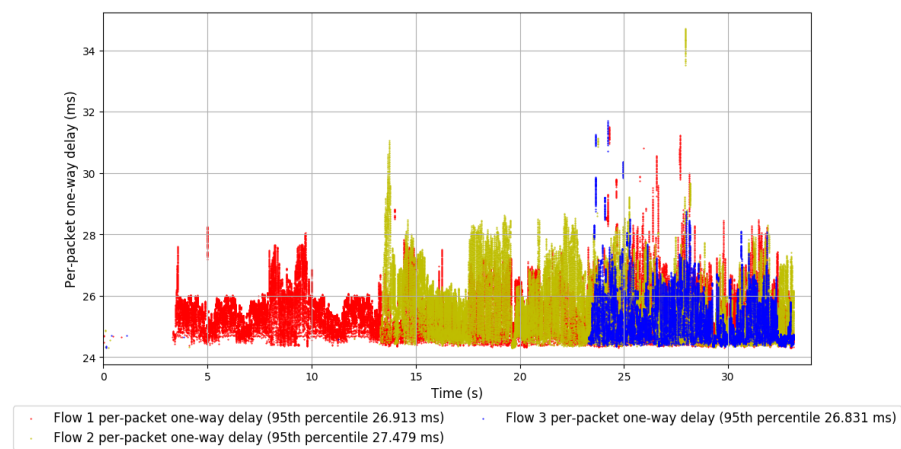
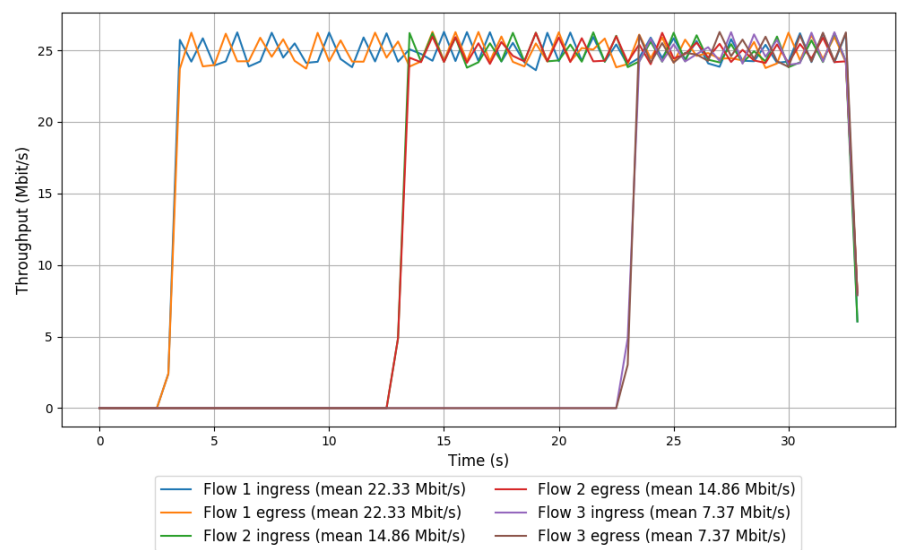
-- Flow 3:

Average throughput: 7.37 Mbit/s

95th percentile per-packet one-way delay: 26.831 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sat, 01 Jul 2017 09:55:03 +0000

End at: Sat, 01 Jul 2017 09:55:33 +0000

Local clock offset: 0.123 ms

Remote clock offset: -5.595 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:43:03 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 54.44 Mbit/s

95th percentile per-packet one-way delay: 26.811 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.63 Mbit/s

95th percentile per-packet one-way delay: 26.881 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 20.01 Mbit/s

95th percentile per-packet one-way delay: 26.653 ms

Loss rate: 0.00%

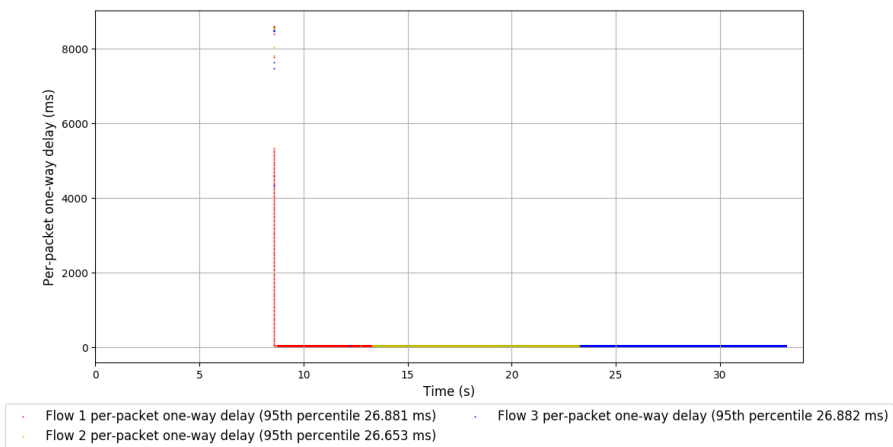
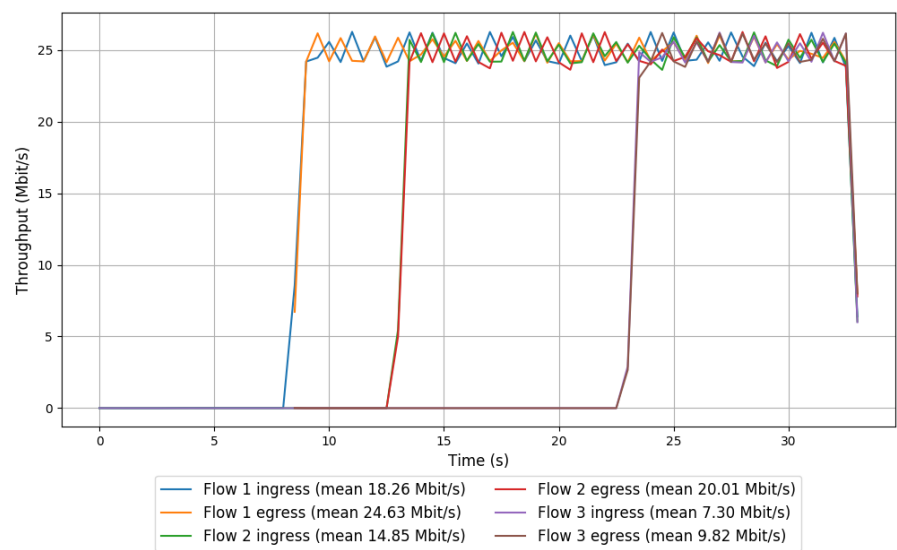
-- Flow 3:

Average throughput: 9.82 Mbit/s

95th percentile per-packet one-way delay: 26.882 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sat, 01 Jul 2017 10:15:52 +0000

End at: Sat, 01 Jul 2017 10:16:22 +0000

Local clock offset: 0.045 ms

Remote clock offset: -5.067 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:43:07 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 44.36 Mbit/s

95th percentile per-packet one-way delay: 26.802 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 22.27 Mbit/s

95th percentile per-packet one-way delay: 26.451 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.84 Mbit/s

95th percentile per-packet one-way delay: 27.368 ms

Loss rate: 0.00%

-- Flow 3:

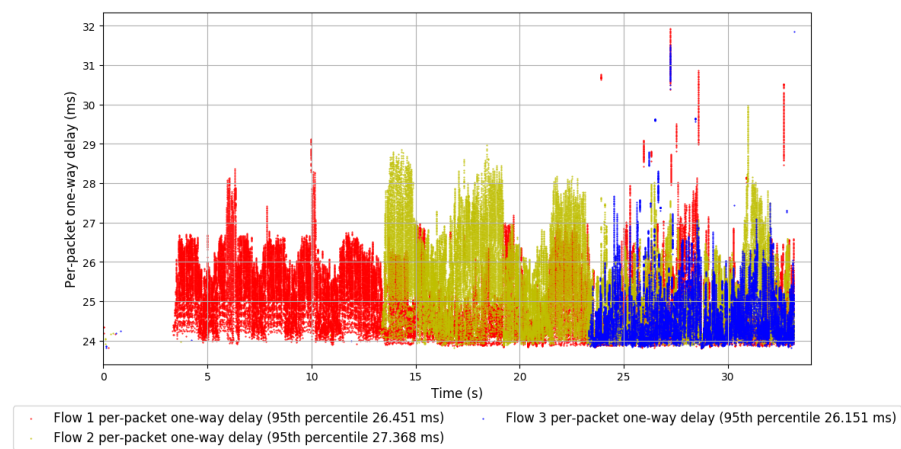
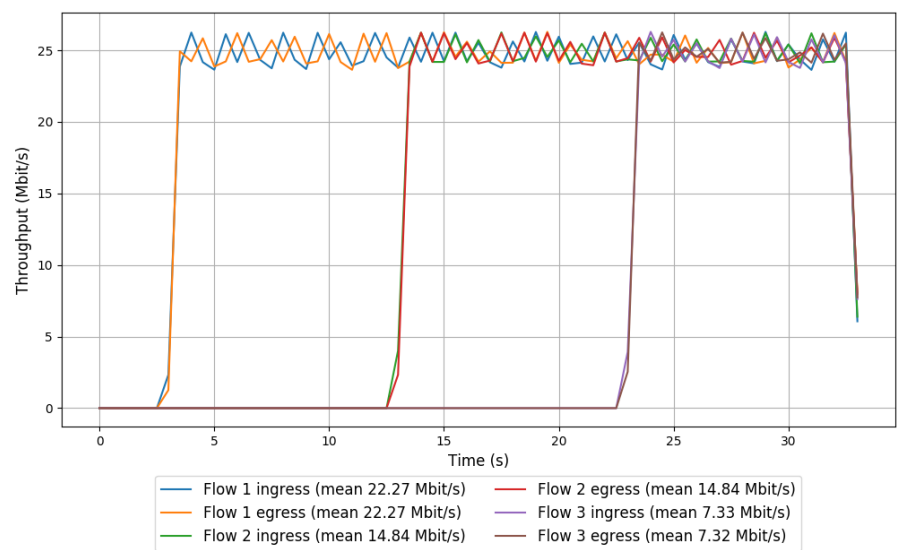
Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 26.151 ms

Loss rate: 0.04%



Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sat, 01 Jul 2017 10:36:34 +0000

End at: Sat, 01 Jul 2017 10:37:04 +0000

Local clock offset: 0.038 ms

Remote clock offset: -4.834 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:43:11 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 44.56 Mbit/s

95th percentile per-packet one-way delay: 26.375 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.35 Mbit/s

95th percentile per-packet one-way delay: 26.456 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.89 Mbit/s

95th percentile per-packet one-way delay: 26.440 ms

Loss rate: 0.00%

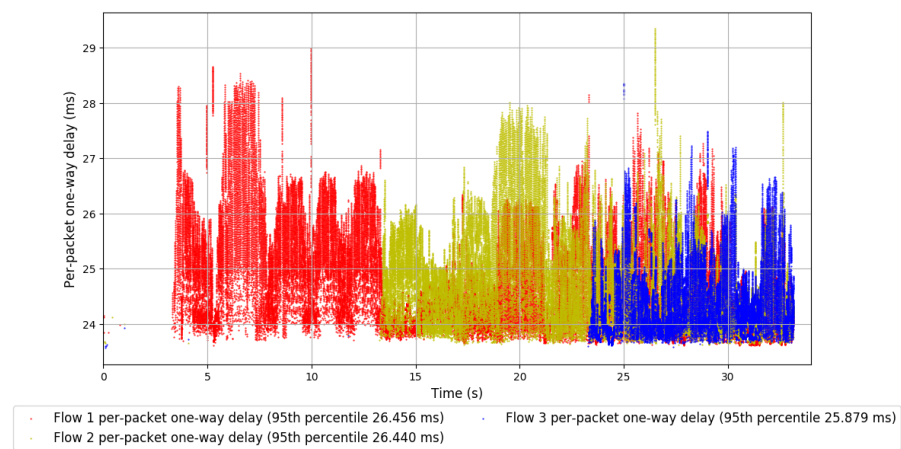
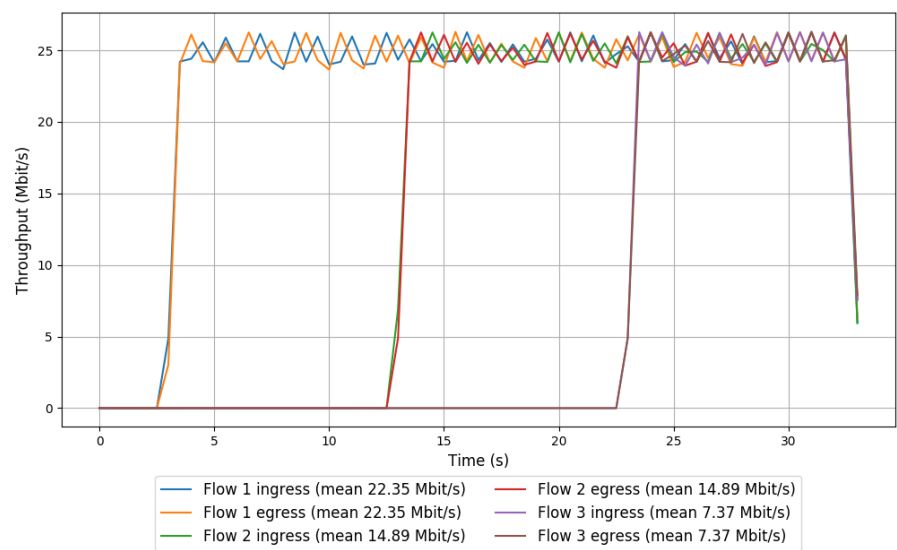
-- Flow 3:

Average throughput: 7.37 Mbit/s

95th percentile per-packet one-way delay: 25.879 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sat, 01 Jul 2017 10:57:29 +0000

End at: Sat, 01 Jul 2017 10:57:59 +0000

Local clock offset: 0.16 ms

Remote clock offset: -4.519 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:43:15 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 44.43 Mbit/s

95th percentile per-packet one-way delay: 26.311 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 22.32 Mbit/s

95th percentile per-packet one-way delay: 26.339 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.82 Mbit/s

95th percentile per-packet one-way delay: 26.500 ms

Loss rate: 0.00%

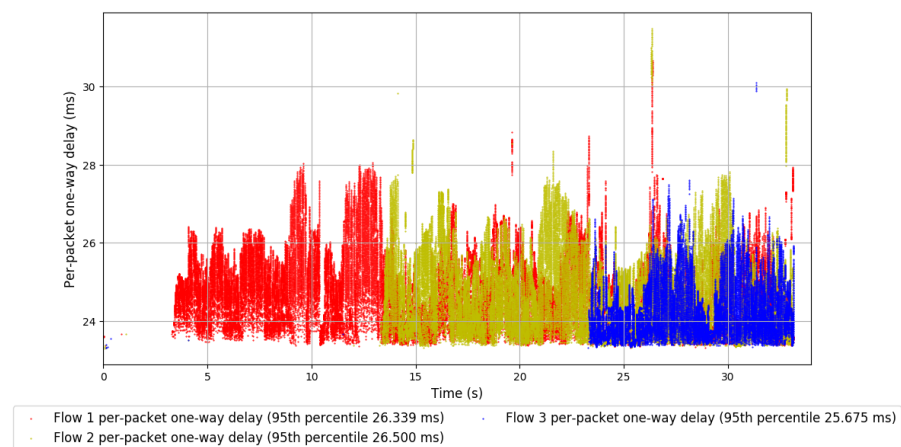
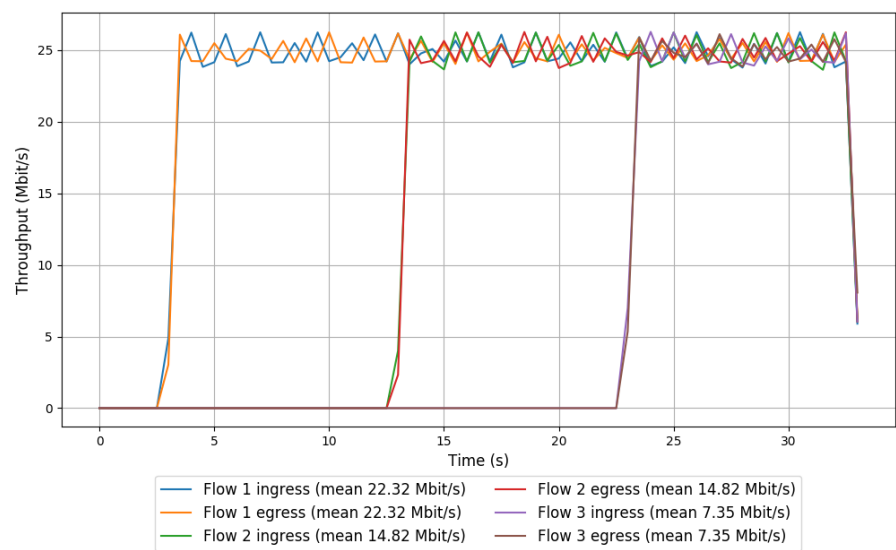
-- Flow 3:

Average throughput: 7.35 Mbit/s

95th percentile per-packet one-way delay: 25.675 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sat, 01 Jul 2017 11:18:42 +0000

End at: Sat, 01 Jul 2017 11:19:12 +0000

Local clock offset: 0.072 ms

Remote clock offset: -4.86 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:43:19 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 44.35 Mbit/s

95th percentile per-packet one-way delay: 26.240 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 22.29 Mbit/s

95th percentile per-packet one-way delay: 26.291 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.80 Mbit/s

95th percentile per-packet one-way delay: 26.323 ms

Loss rate: 0.02%

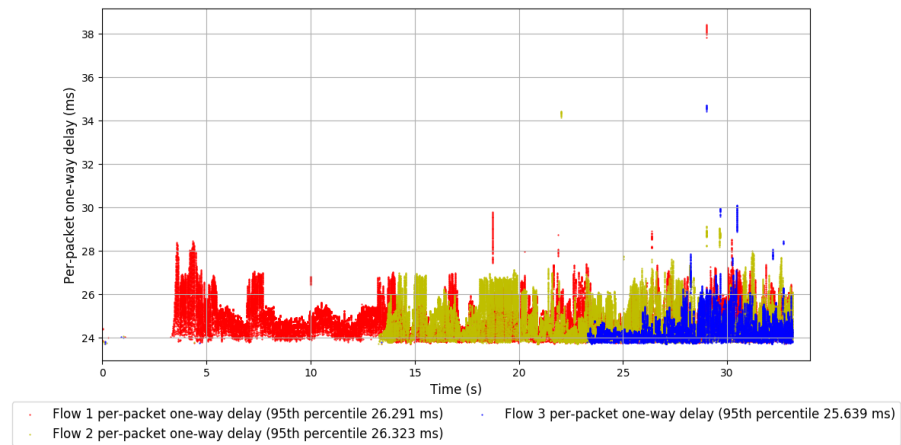
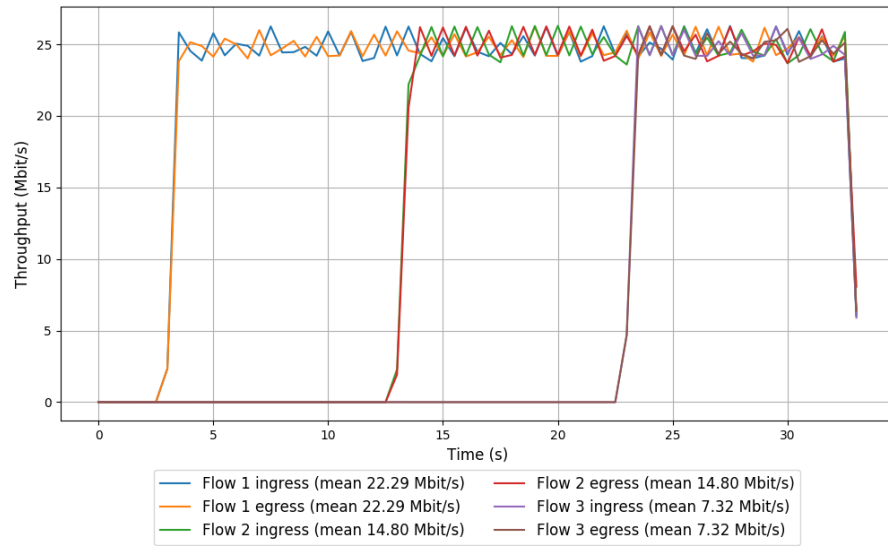
-- Flow 3:

Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 25.639 ms

Loss rate: 0.00%

## Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sat, 01 Jul 2017 11:39:50 +0000

End at: Sat, 01 Jul 2017 11:40:20 +0000

Local clock offset: -0.021 ms

Remote clock offset: -4.535 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:43:22 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 52.48 Mbit/s

95th percentile per-packet one-way delay: 25.520 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.48 Mbit/s

95th percentile per-packet one-way delay: 25.157 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 18.79 Mbit/s

95th percentile per-packet one-way delay: 25.913 ms

Loss rate: 0.00%

-- Flow 3:

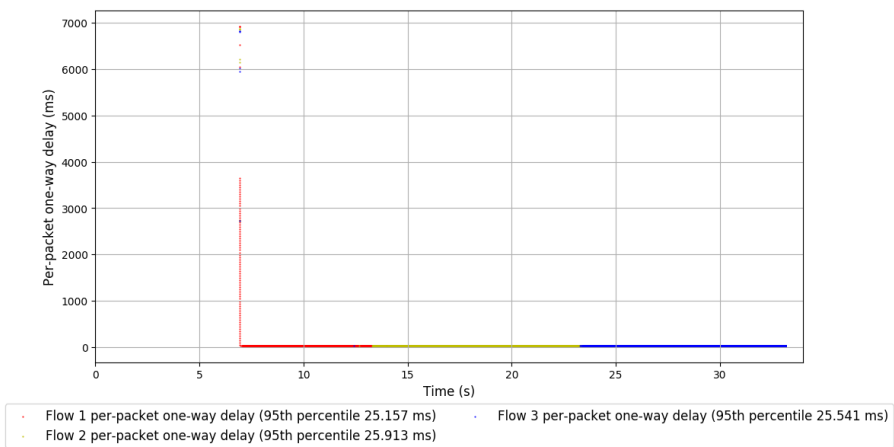
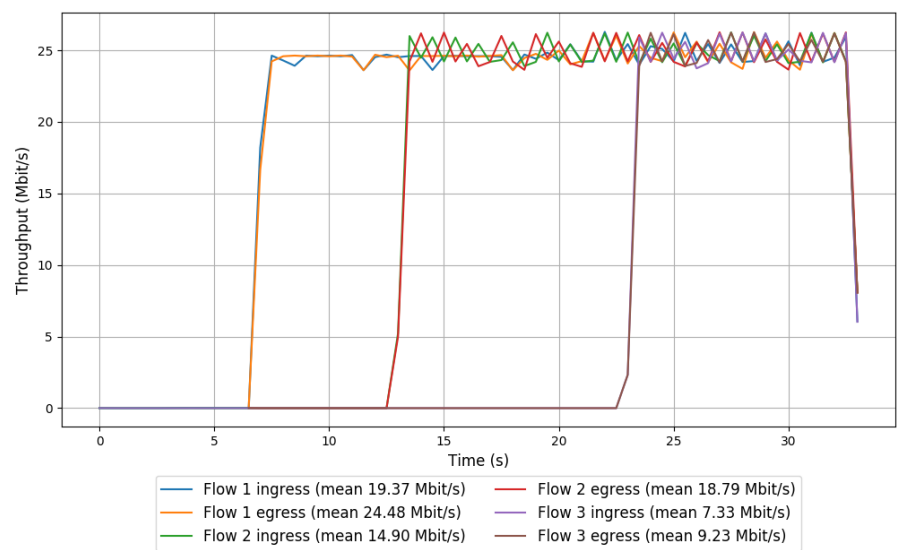
Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 25.541 ms

Loss rate: 0.00%



Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sat, 01 Jul 2017 12:00:43 +0000

End at: Sat, 01 Jul 2017 12:01:13 +0000

Local clock offset: 0.028 ms

Remote clock offset: -4.411 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:43:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 52.88 Mbit/s

95th percentile per-packet one-way delay: 26.077 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 24.65 Mbit/s

95th percentile per-packet one-way delay: 26.673 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 18.78 Mbit/s

95th percentile per-packet one-way delay: 24.830 ms

Loss rate: 0.00%

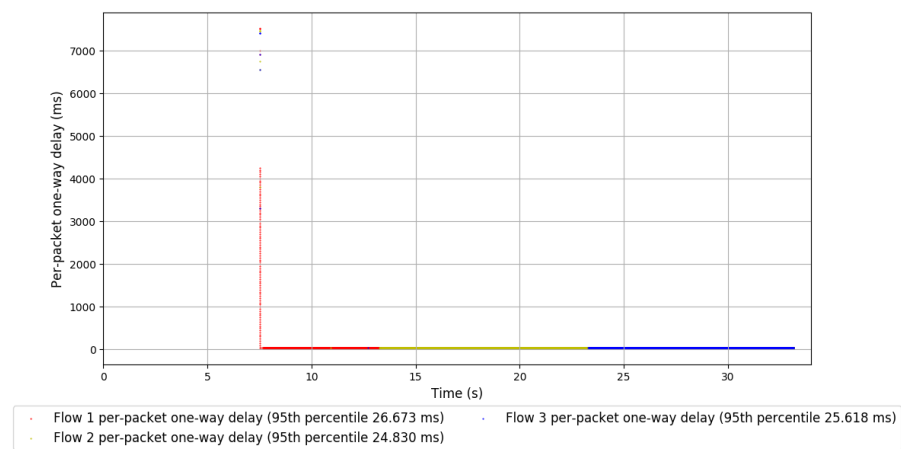
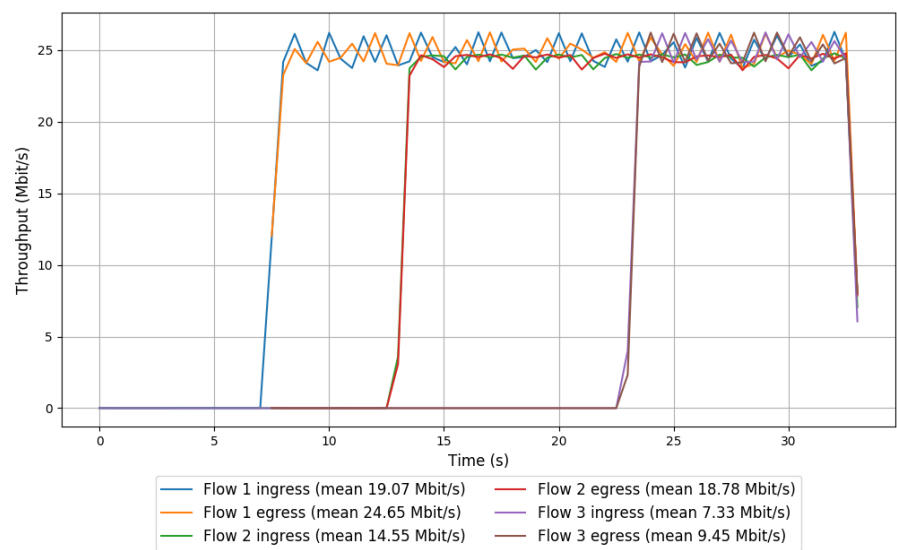
-- Flow 3:

Average throughput: 9.45 Mbit/s

95th percentile per-packet one-way delay: 25.618 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sat, 01 Jul 2017 12:21:38 +0000

End at: Sat, 01 Jul 2017 12:22:08 +0000

Local clock offset: -0.068 ms

Remote clock offset: -4.628 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:43:29 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 44.50 Mbit/s

95th percentile per-packet one-way delay: 26.028 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 22.32 Mbit/s

95th percentile per-packet one-way delay: 25.881 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 14.88 Mbit/s

95th percentile per-packet one-way delay: 26.297 ms

Loss rate: 0.00%

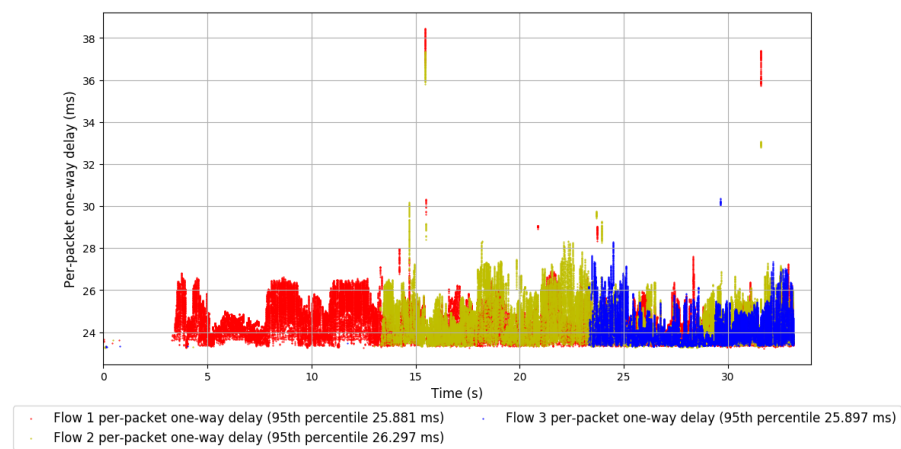
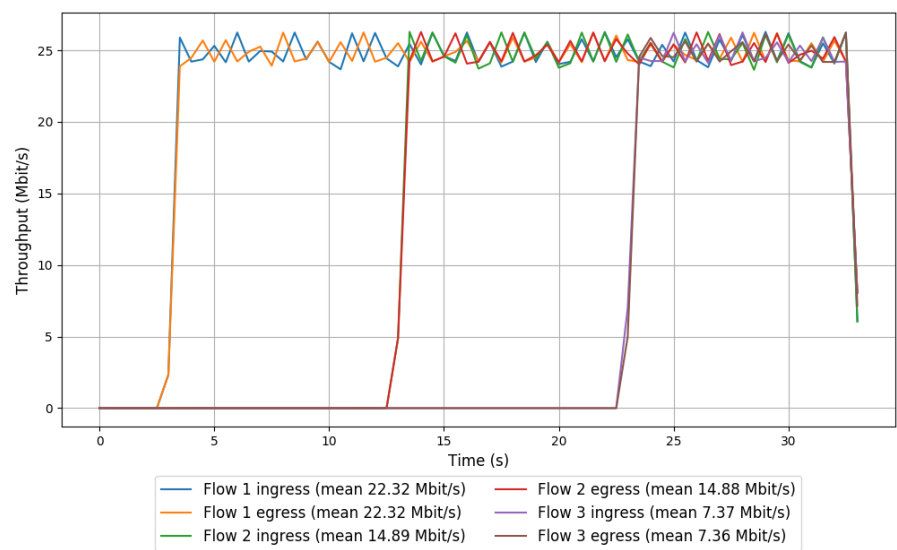
-- Flow 3:

Average throughput: 7.36 Mbit/s

95th percentile per-packet one-way delay: 25.897 ms

Loss rate: 0.19%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 09:19:28 +0000

End at: Sat, 01 Jul 2017 09:19:58 +0000

Local clock offset: -0.127 ms

Remote clock offset: -5.6 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:44:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 167.45 Mbit/s

95th percentile per-packet one-way delay: 24.959 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 118.66 Mbit/s

95th percentile per-packet one-way delay: 24.922 ms

Loss rate: 0.09%

-- Flow 2:

Average throughput: 36.93 Mbit/s

95th percentile per-packet one-way delay: 25.338 ms

Loss rate: 0.02%

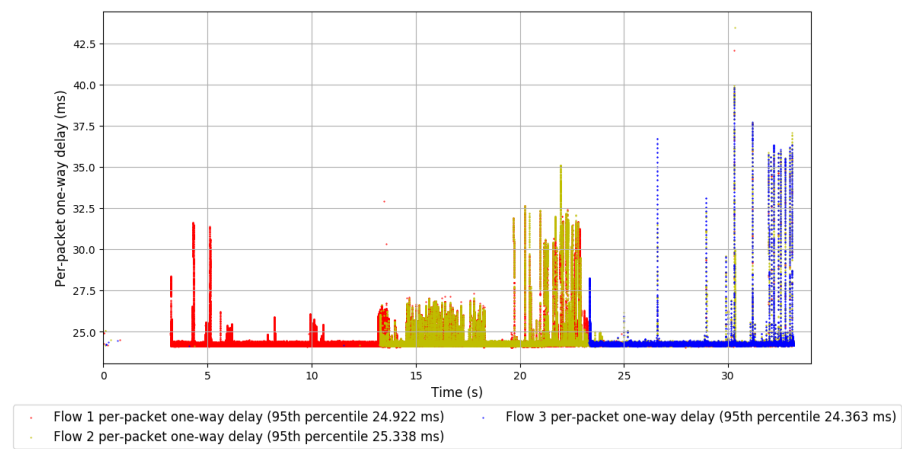
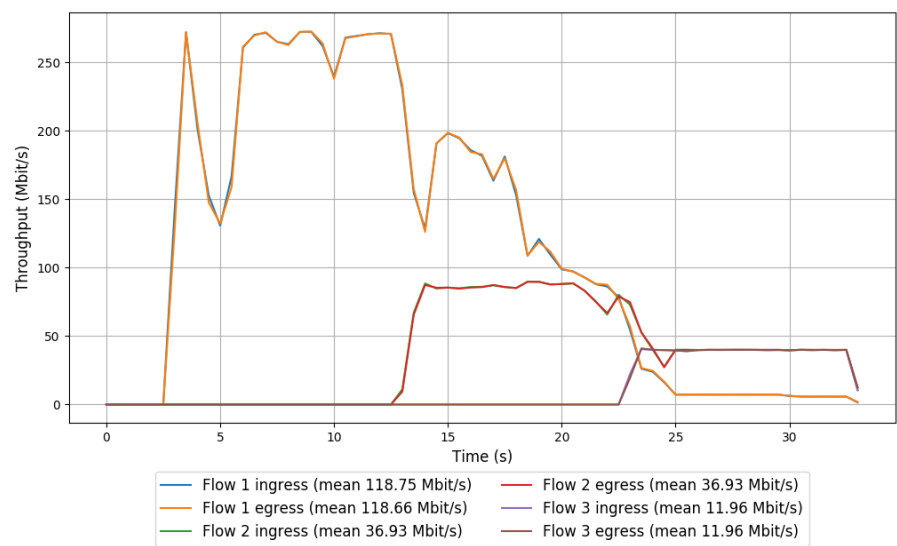
-- Flow 3:

Average throughput: 11.96 Mbit/s

95th percentile per-packet one-way delay: 24.363 ms

Loss rate: 0.06%

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



Run 2: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 09:40:35 +0000

End at: Sat, 01 Jul 2017 09:41:05 +0000

Local clock offset: 0.073 ms

Remote clock offset: -5.584 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:44:13 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 162.68 Mbit/s

95th percentile per-packet one-way delay: 24.566 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 108.18 Mbit/s

95th percentile per-packet one-way delay: 24.557 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 45.36 Mbit/s

95th percentile per-packet one-way delay: 24.588 ms

Loss rate: 0.01%

-- Flow 3:

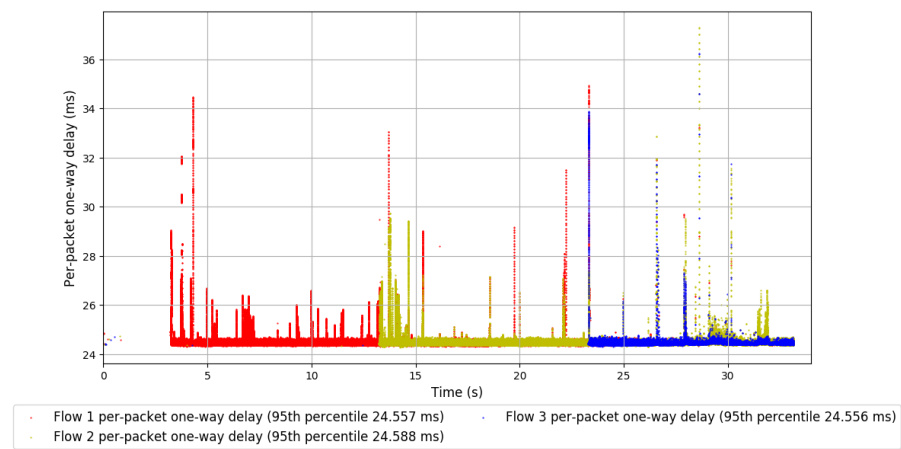
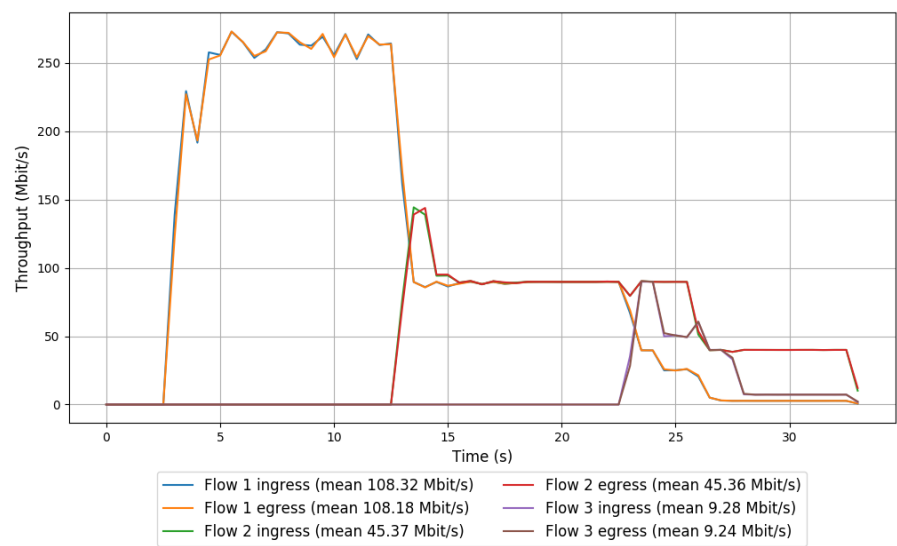
Average throughput: 9.24 Mbit/s

95th percentile per-packet one-way delay: 24.556 ms

Loss rate: 0.38%



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



Run 3: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 10:01:43 +0000

End at: Sat, 01 Jul 2017 10:02:13 +0000

Local clock offset: 0.147 ms

Remote clock offset: -5.373 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:44:49 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 141.02 Mbit/s

95th percentile per-packet one-way delay: 24.375 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 92.47 Mbit/s

95th percentile per-packet one-way delay: 24.377 ms

Loss rate: 0.08%

-- Flow 2:

Average throughput: 36.77 Mbit/s

95th percentile per-packet one-way delay: 24.421 ms

Loss rate: 0.00%

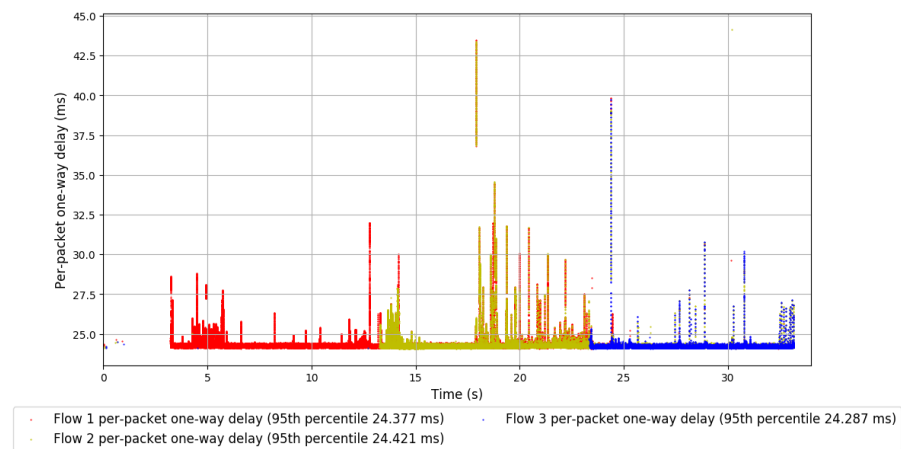
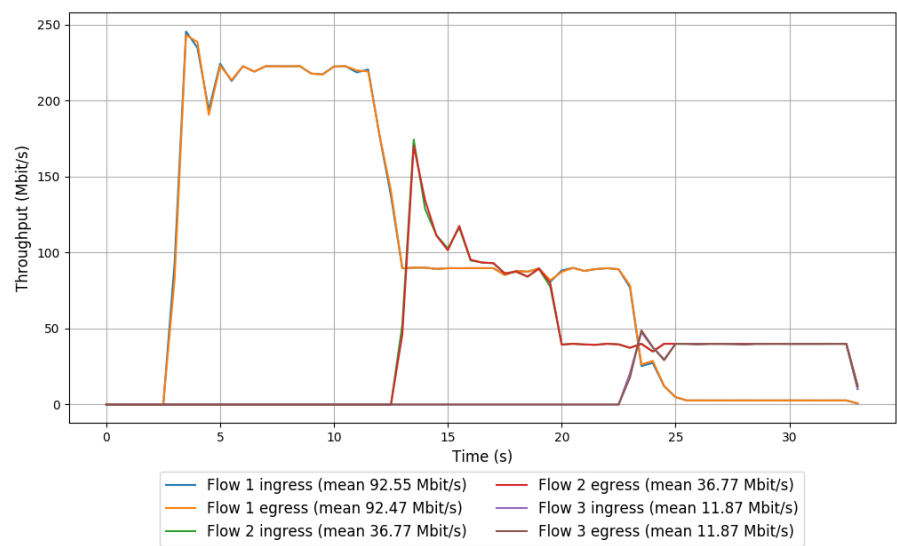
-- Flow 3:

Average throughput: 11.87 Mbit/s

95th percentile per-packet one-way delay: 24.287 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 10:22:27 +0000

End at: Sat, 01 Jul 2017 10:22:57 +0000

Local clock offset: 0.028 ms

Remote clock offset: -5.001 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:44:55 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 166.80 Mbit/s

95th percentile per-packet one-way delay: 23.991 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 117.91 Mbit/s

95th percentile per-packet one-way delay: 23.966 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 36.16 Mbit/s

95th percentile per-packet one-way delay: 24.303 ms

Loss rate: 0.09%

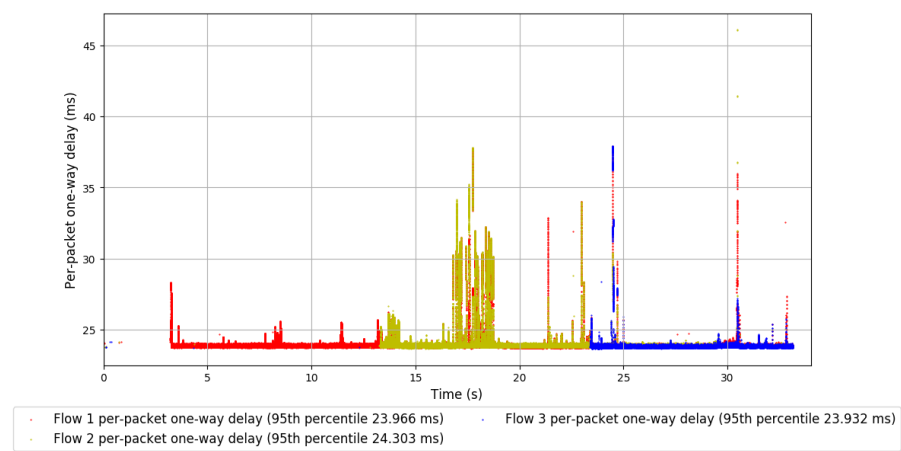
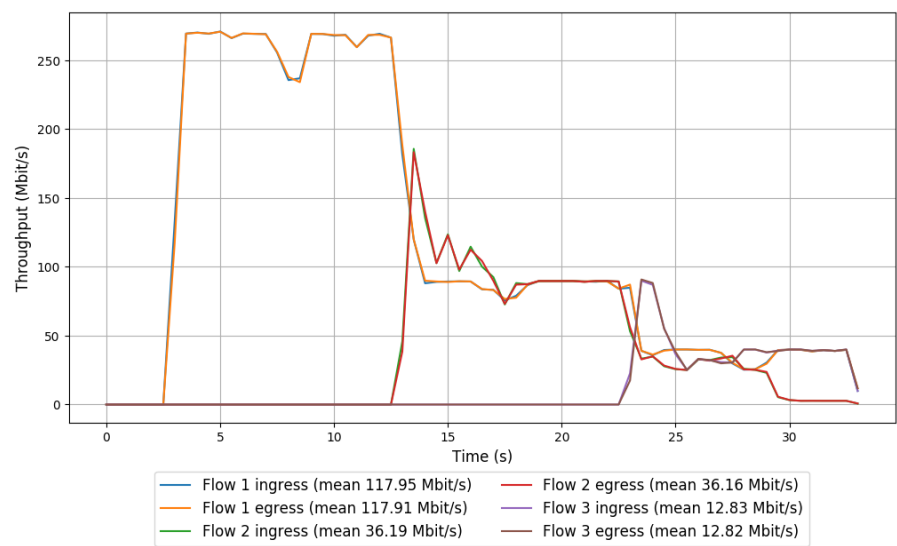
-- Flow 3:

Average throughput: 12.82 Mbit/s

95th percentile per-packet one-way delay: 23.932 ms

Loss rate: 0.06%

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



Run 5: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 10:43:15 +0000

End at: Sat, 01 Jul 2017 10:43:45 +0000

Local clock offset: 0.148 ms

Remote clock offset: -4.678 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:45:33 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 160.22 Mbit/s

95th percentile per-packet one-way delay: 23.654 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 115.21 Mbit/s

95th percentile per-packet one-way delay: 23.651 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 19.00 Mbit/s

95th percentile per-packet one-way delay: 24.142 ms

Loss rate: 0.00%

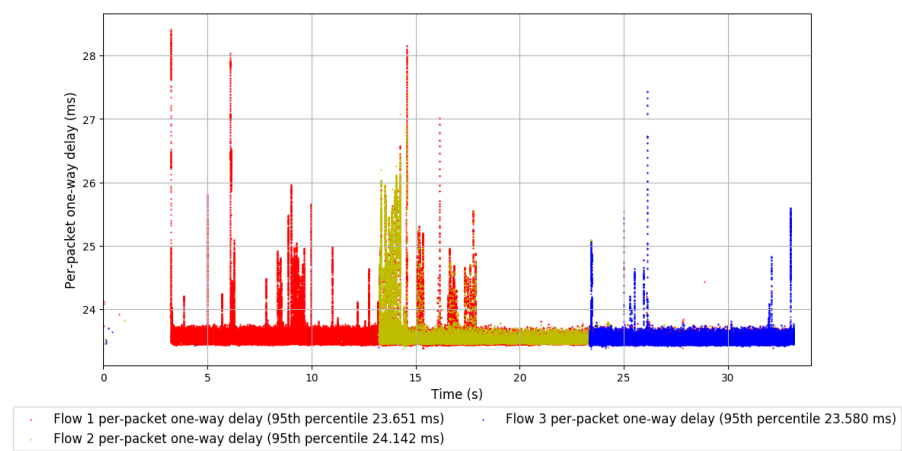
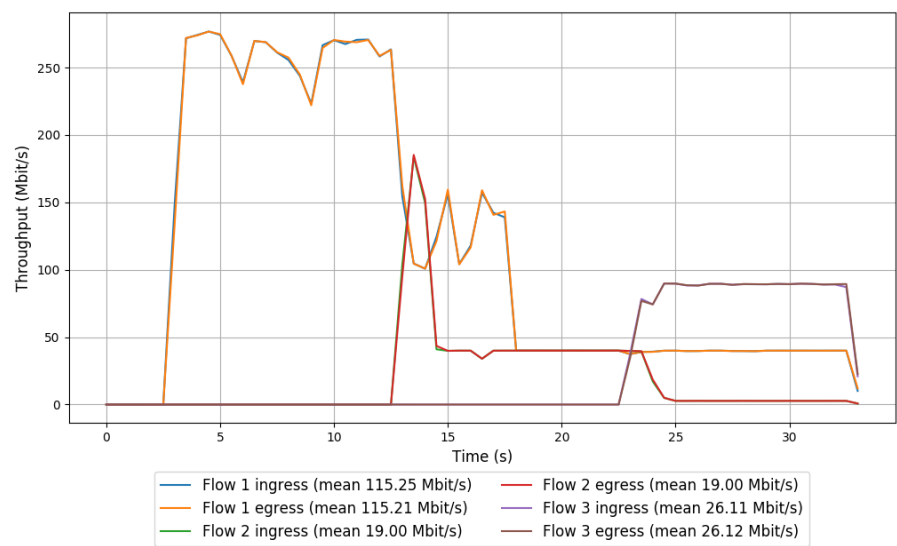
-- Flow 3:

Average throughput: 26.12 Mbit/s

95th percentile per-packet one-way delay: 23.580 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 11:04:08 +0000

End at: Sat, 01 Jul 2017 11:04:38 +0000

Local clock offset: 0.153 ms

Remote clock offset: -4.577 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:45:38 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 159.20 Mbit/s

95th percentile per-packet one-way delay: 23.631 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 107.01 Mbit/s

95th percentile per-packet one-way delay: 23.648 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 39.13 Mbit/s

95th percentile per-packet one-way delay: 23.609 ms

Loss rate: 0.13%

-- Flow 3:

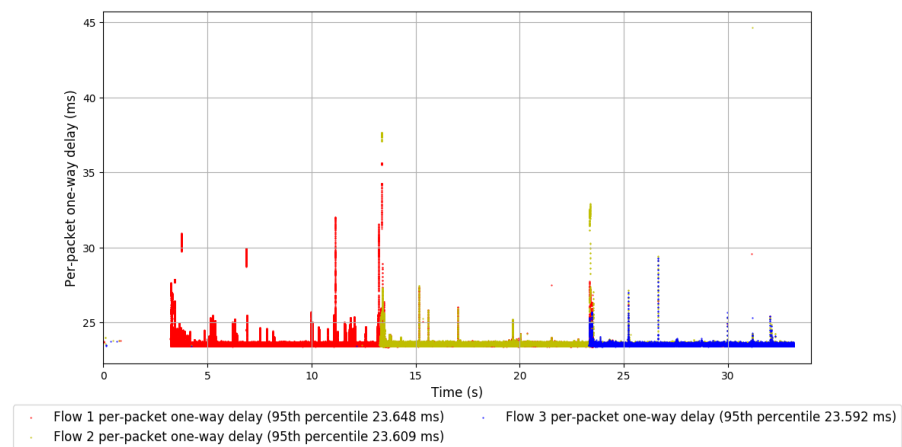
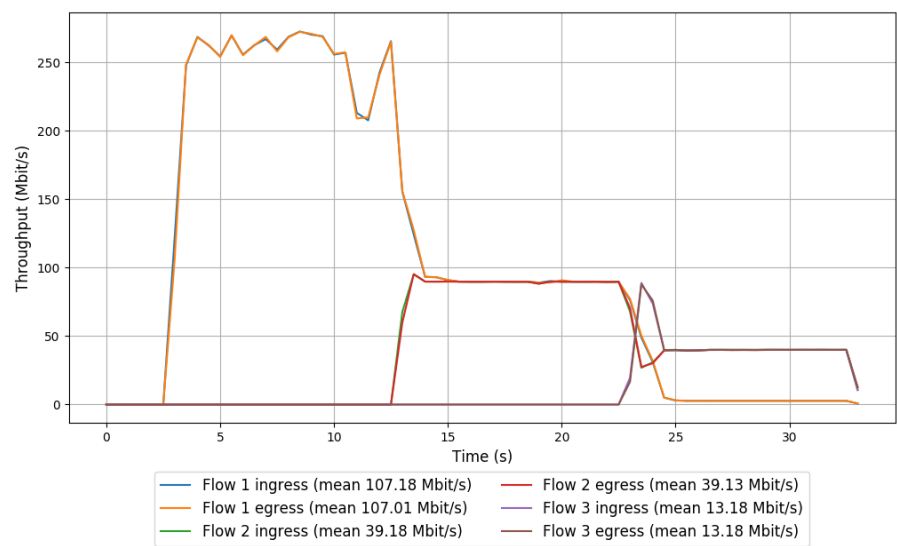
Average throughput: 13.18 Mbit/s

95th percentile per-packet one-way delay: 23.592 ms

Loss rate: 0.00%



Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 11:25:23 +0000

End at: Sat, 01 Jul 2017 11:25:53 +0000

Local clock offset: 0.046 ms

Remote clock offset: -4.822 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:46:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 181.89 Mbit/s

95th percentile per-packet one-way delay: 23.795 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 127.19 Mbit/s

95th percentile per-packet one-way delay: 23.799 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 28.74 Mbit/s

95th percentile per-packet one-way delay: 23.834 ms

Loss rate: 0.00%

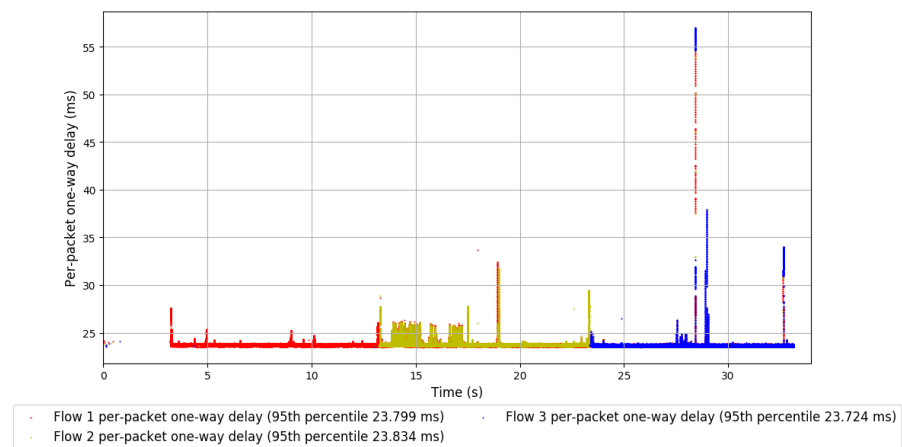
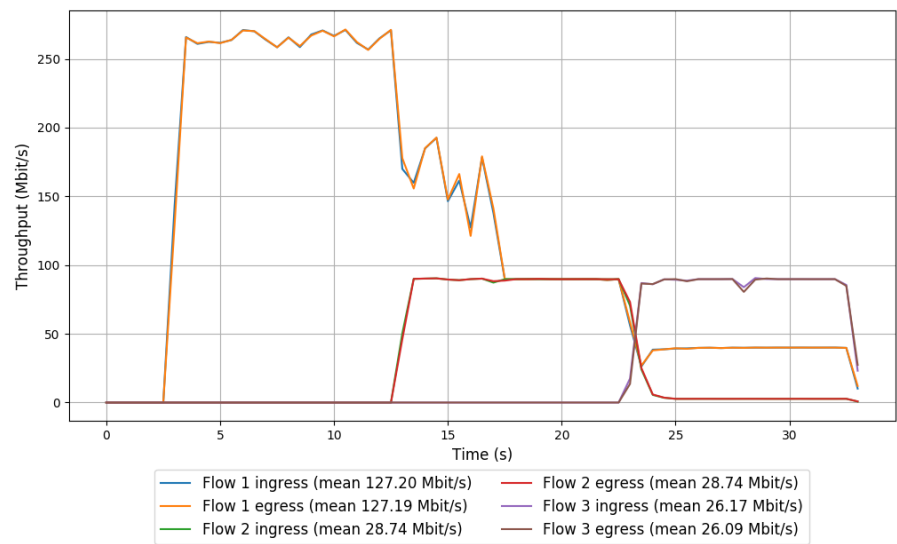
-- Flow 3:

Average throughput: 26.09 Mbit/s

95th percentile per-packet one-way delay: 23.724 ms

Loss rate: 0.28%

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



Run 8: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 11:46:28 +0000

End at: Sat, 01 Jul 2017 11:46:58 +0000

Local clock offset: 0.052 ms

Remote clock offset: -4.551 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:46:25 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 158.11 Mbit/s

95th percentile per-packet one-way delay: 23.510 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 103.07 Mbit/s

95th percentile per-packet one-way delay: 23.470 ms

Loss rate: 0.10%

-- Flow 2:

Average throughput: 43.25 Mbit/s

95th percentile per-packet one-way delay: 23.887 ms

Loss rate: 0.05%

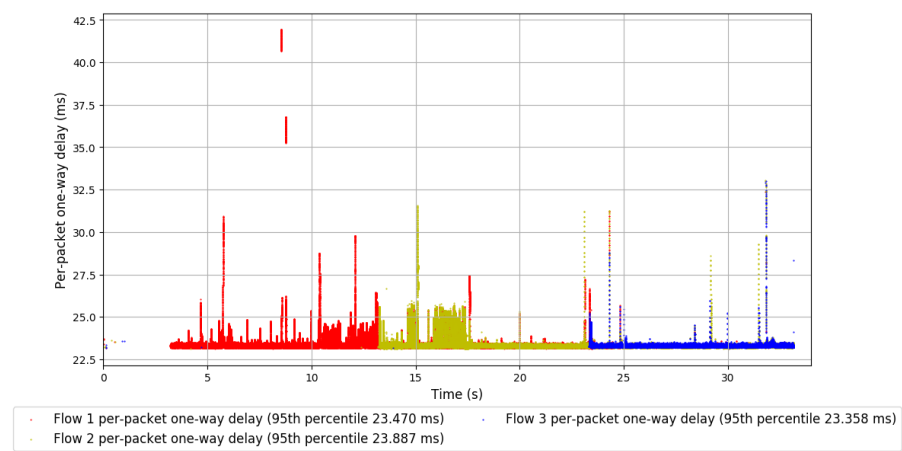
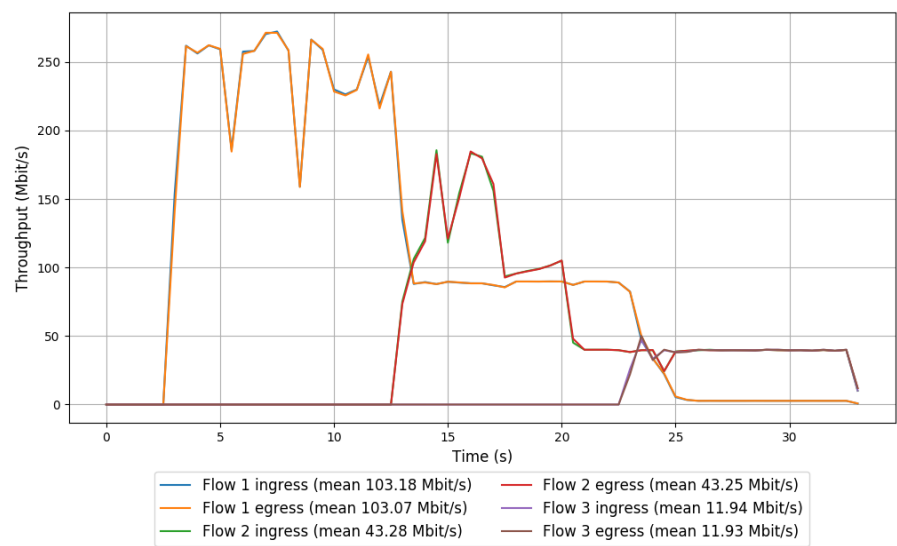
-- Flow 3:

Average throughput: 11.93 Mbit/s

95th percentile per-packet one-way delay: 23.358 ms

Loss rate: 0.00%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 12:07:21 +0000

End at: Sat, 01 Jul 2017 12:07:51 +0000

Local clock offset: -0.037 ms

Remote clock offset: -4.314 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:47:06 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 164.29 Mbit/s

95th percentile per-packet one-way delay: 23.429 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 128.16 Mbit/s

95th percentile per-packet one-way delay: 23.533 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 24.03 Mbit/s

95th percentile per-packet one-way delay: 23.189 ms

Loss rate: 0.00%

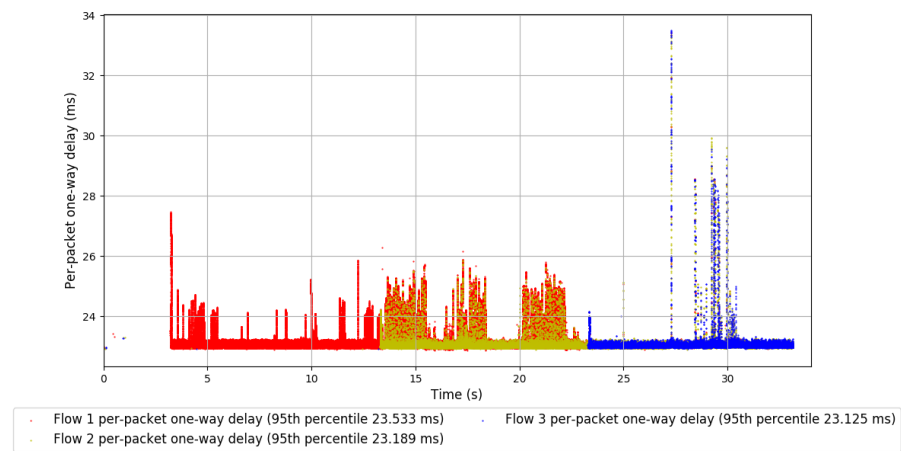
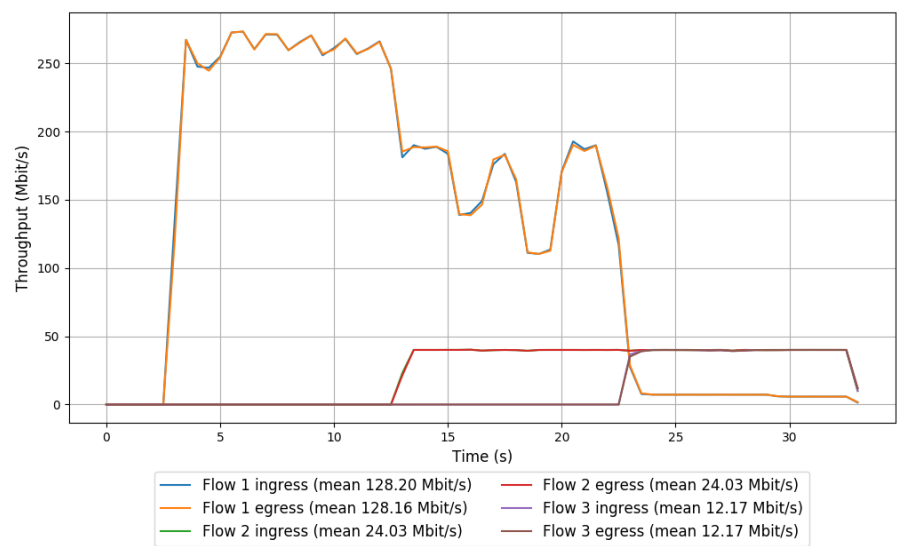
-- Flow 3:

Average throughput: 12.17 Mbit/s

95th percentile per-packet one-way delay: 23.125 ms

Loss rate: 0.00%

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



Run 10: Statistics of TaoVA-100x

Start at: Sat, 01 Jul 2017 12:28:19 +0000

End at: Sat, 01 Jul 2017 12:28:49 +0000

Local clock offset: -0.05 ms

Remote clock offset: -4.685 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:47:09 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 160.46 Mbit/s

95th percentile per-packet one-way delay: 23.622 ms

Loss rate: 0.11%

-- Flow 1:

Average throughput: 96.96 Mbit/s

95th percentile per-packet one-way delay: 23.634 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 47.28 Mbit/s

95th percentile per-packet one-way delay: 23.615 ms

Loss rate: 0.02%

-- Flow 3:

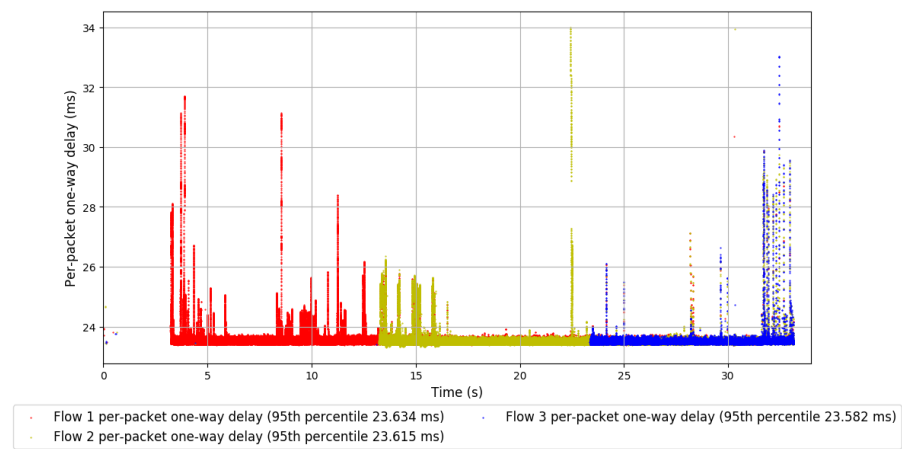
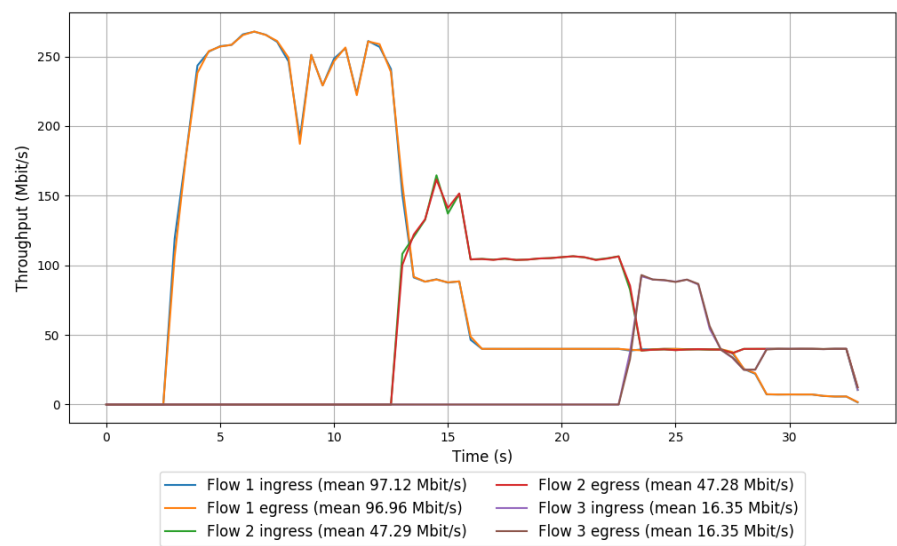
Average throughput: 16.35 Mbit/s

95th percentile per-packet one-way delay: 23.582 ms

Loss rate: 0.00%



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



Run 1: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 09:17:57 +0000

End at: Sat, 01 Jul 2017 09:18:27 +0000

Local clock offset: -0.15 ms

Remote clock offset: -5.537 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:48:00 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 384.19 Mbit/s

95th percentile per-packet one-way delay: 25.104 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 200.13 Mbit/s

95th percentile per-packet one-way delay: 25.029 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 130.08 Mbit/s

95th percentile per-packet one-way delay: 25.131 ms

Loss rate: 0.00%

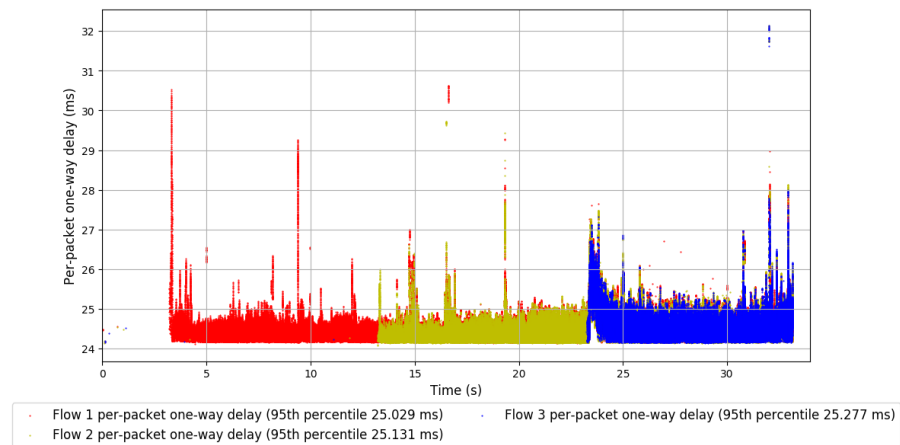
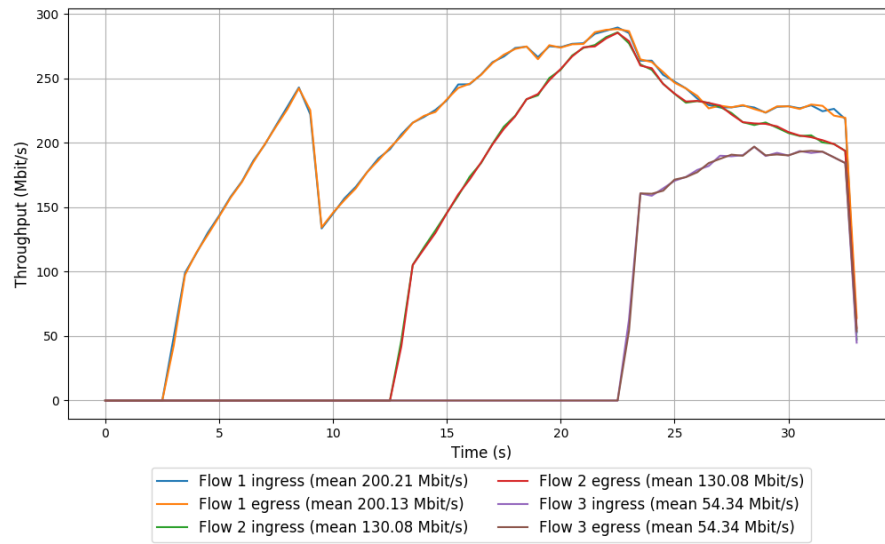
-- Flow 3:

Average throughput: 54.34 Mbit/s

95th percentile per-packet one-way delay: 25.277 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 09:39:04 +0000

End at: Sat, 01 Jul 2017 09:39:34 +0000

Local clock offset: -0.032 ms

Remote clock offset: -5.676 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:48:05 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 383.88 Mbit/s

95th percentile per-packet one-way delay: 25.192 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 180.82 Mbit/s

95th percentile per-packet one-way delay: 25.174 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 160.18 Mbit/s

95th percentile per-packet one-way delay: 25.216 ms

Loss rate: 0.04%

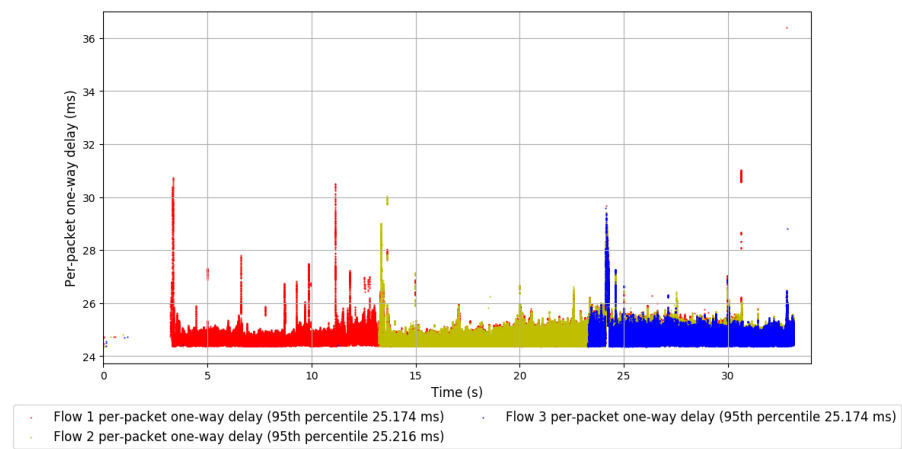
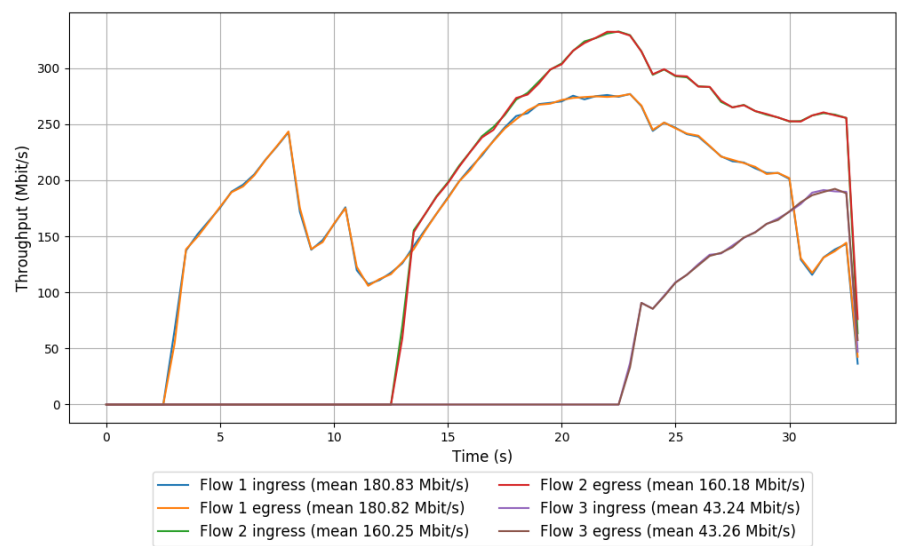
-- Flow 3:

Average throughput: 43.26 Mbit/s

95th percentile per-packet one-way delay: 25.174 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:00:13 +0000

End at: Sat, 01 Jul 2017 10:00:43 +0000

Local clock offset: 0.035 ms

Remote clock offset: -5.432 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:48:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 365.93 Mbit/s

95th percentile per-packet one-way delay: 25.190 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 170.34 Mbit/s

95th percentile per-packet one-way delay: 25.149 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 100.50 Mbit/s

95th percentile per-packet one-way delay: 25.007 ms

Loss rate: 0.01%

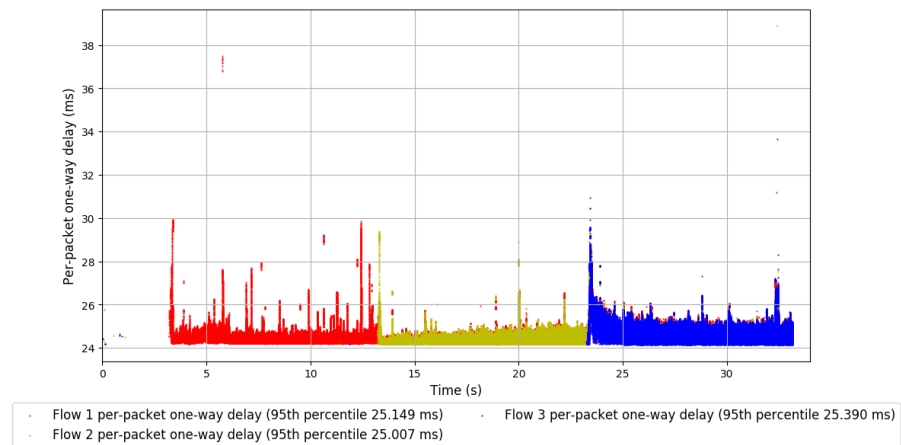
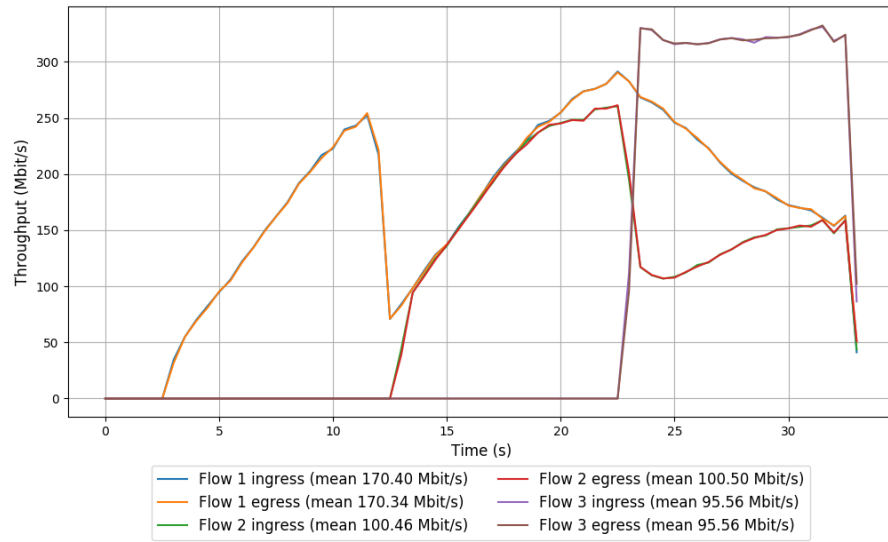
-- Flow 3:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 25.390 ms

Loss rate: 0.00%

### Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:21:02 +0000

End at: Sat, 01 Jul 2017 10:21:32 +0000

Local clock offset: 0.099 ms

Remote clock offset: -4.926 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:48:53 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 279.96 Mbit/s

95th percentile per-packet one-way delay: 24.433 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 149.87 Mbit/s

95th percentile per-packet one-way delay: 24.438 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 81.00 Mbit/s

95th percentile per-packet one-way delay: 24.409 ms

Loss rate: 0.21%

-- Flow 3:

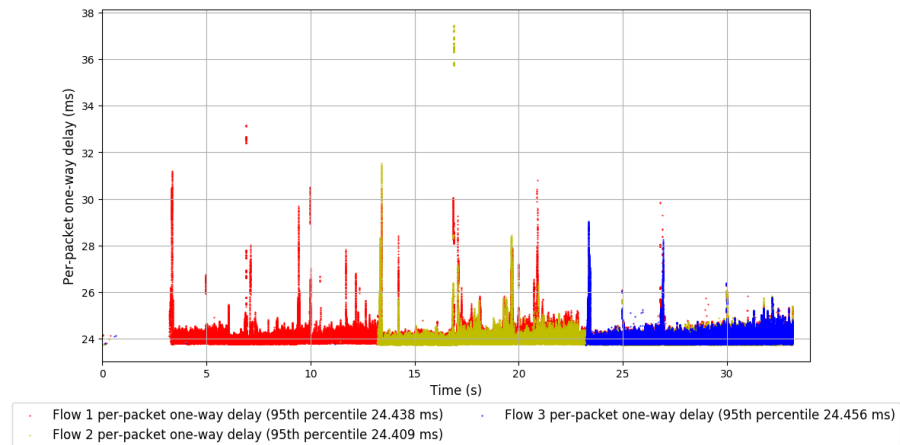
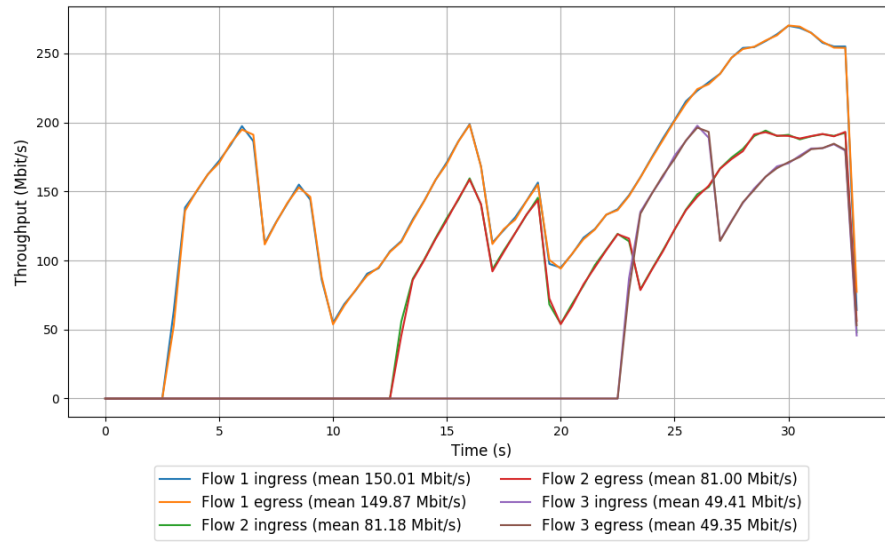
Average throughput: 49.35 Mbit/s

95th percentile per-packet one-way delay: 24.456 ms

Loss rate: 0.11%



# Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 10:41:44 +0000

End at: Sat, 01 Jul 2017 10:42:14 +0000

Local clock offset: 0.051 ms

Remote clock offset: -4.668 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:49:43 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 386.25 Mbit/s

95th percentile per-packet one-way delay: 24.400 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 194.63 Mbit/s

95th percentile per-packet one-way delay: 24.369 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 149.41 Mbit/s

95th percentile per-packet one-way delay: 24.456 ms

Loss rate: 0.00%

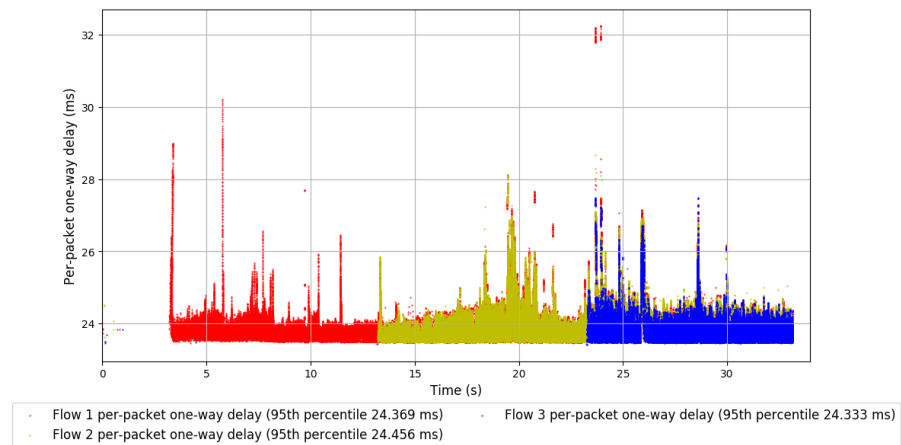
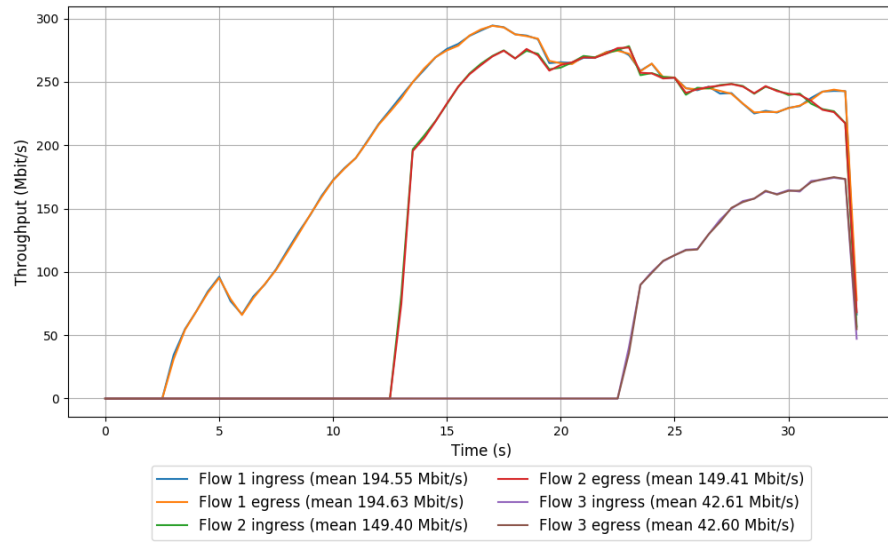
-- Flow 3:

Average throughput: 42.60 Mbit/s

95th percentile per-packet one-way delay: 24.333 ms

Loss rate: 0.00%

# Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 11:02:38 +0000

End at: Sat, 01 Jul 2017 11:03:08 +0000

Local clock offset: 0.169 ms

Remote clock offset: -4.611 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:49:46 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 362.55 Mbit/s

95th percentile per-packet one-way delay: 24.637 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 200.82 Mbit/s

95th percentile per-packet one-way delay: 24.522 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 121.00 Mbit/s

95th percentile per-packet one-way delay: 24.715 ms

Loss rate: 0.06%

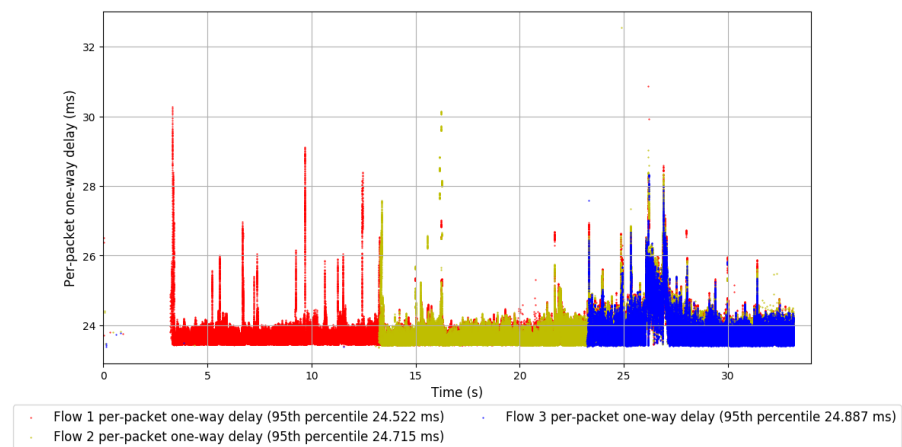
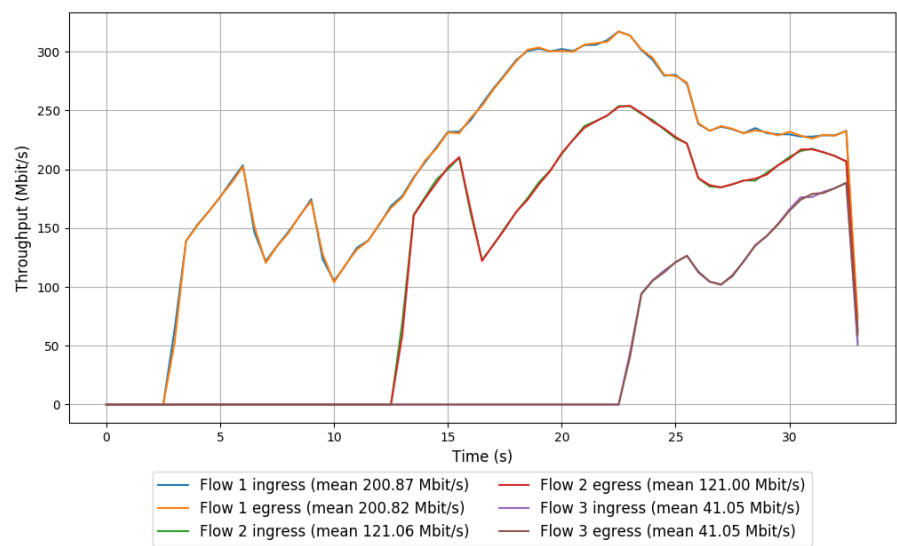
-- Flow 3:

Average throughput: 41.05 Mbit/s

95th percentile per-packet one-way delay: 24.887 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 11:23:51 +0000

End at: Sat, 01 Jul 2017 11:24:21 +0000

Local clock offset: 0.146 ms

Remote clock offset: -4.824 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:50:42 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 386.28 Mbit/s

95th percentile per-packet one-way delay: 24.361 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 198.82 Mbit/s

95th percentile per-packet one-way delay: 24.285 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 128.35 Mbit/s

95th percentile per-packet one-way delay: 24.394 ms

Loss rate: 0.00%

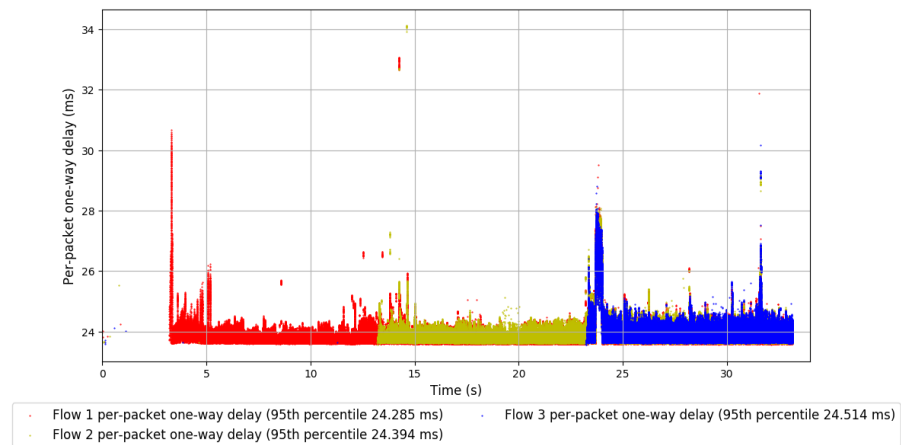
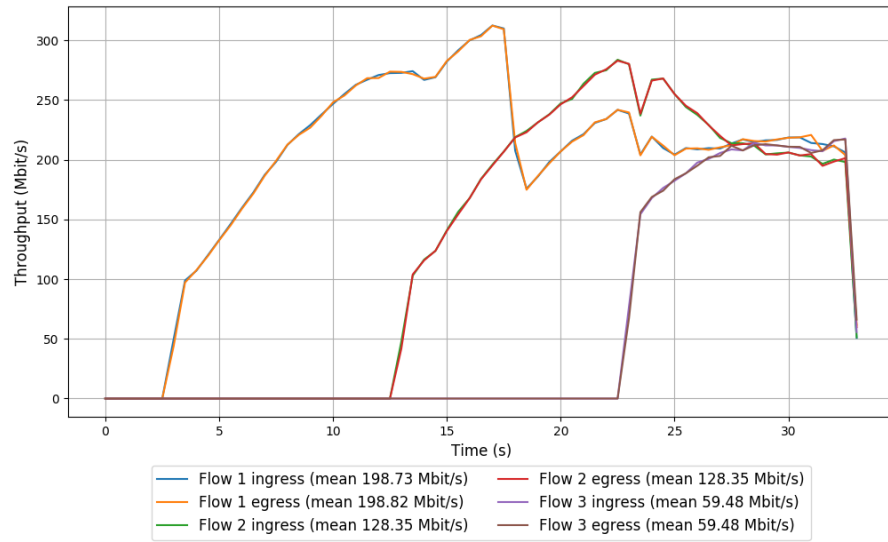
-- Flow 3:

Average throughput: 59.48 Mbit/s

95th percentile per-packet one-way delay: 24.514 ms

Loss rate: 0.00%

## Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 11:44:59 +0000

End at: Sat, 01 Jul 2017 11:45:29 +0000

Local clock offset: -0.051 ms

Remote clock offset: -4.5 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:50:42 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 357.02 Mbit/s

95th percentile per-packet one-way delay: 25.430 ms

Loss rate: 0.08%

-- Flow 1:

Average throughput: 138.15 Mbit/s

95th percentile per-packet one-way delay: 24.973 ms

Loss rate: 0.13%

-- Flow 2:

Average throughput: 138.13 Mbit/s

95th percentile per-packet one-way delay: 25.315 ms

Loss rate: 0.06%

-- Flow 3:

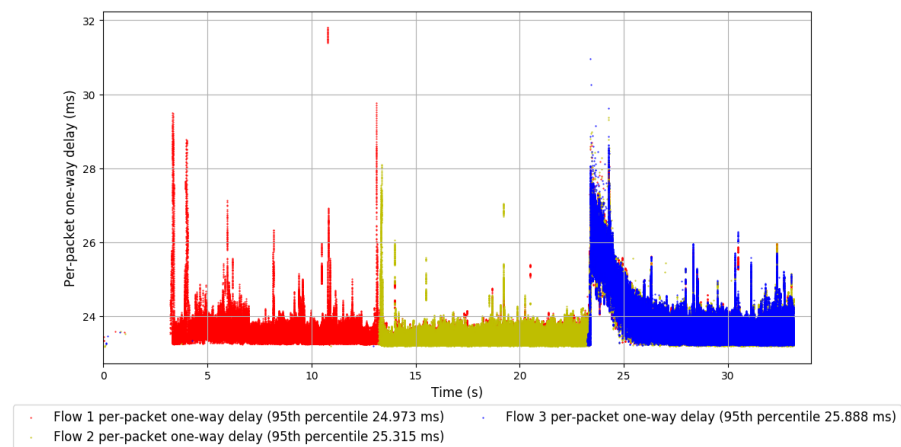
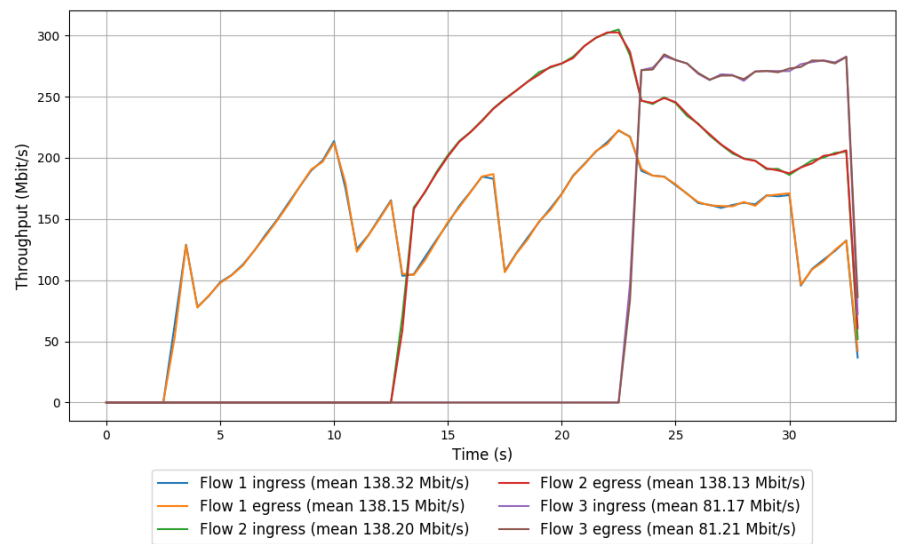
Average throughput: 81.21 Mbit/s

95th percentile per-packet one-way delay: 25.888 ms

Loss rate: 0.00%



Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 12:05:50 +0000

End at: Sat, 01 Jul 2017 12:06:20 +0000

Local clock offset: 0.048 ms

Remote clock offset: -4.281 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:51:37 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 392.32 Mbit/s

95th percentile per-packet one-way delay: 23.901 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 133.87 Mbit/s

95th percentile per-packet one-way delay: 23.852 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 213.16 Mbit/s

95th percentile per-packet one-way delay: 23.920 ms

Loss rate: 0.00%

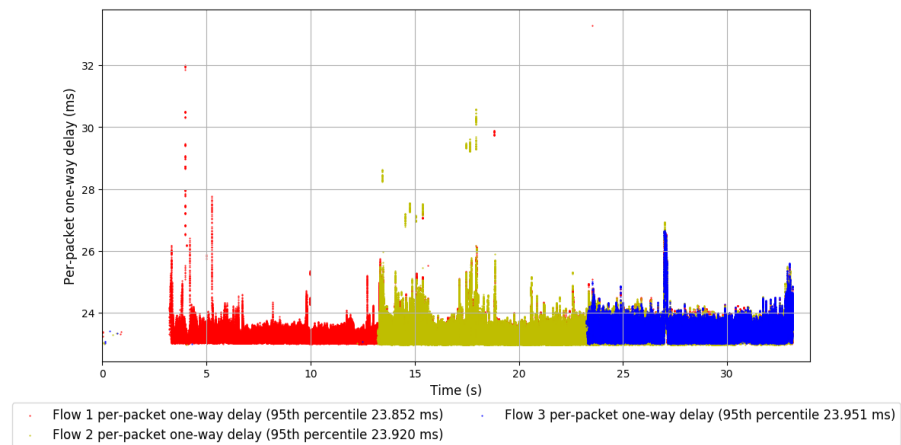
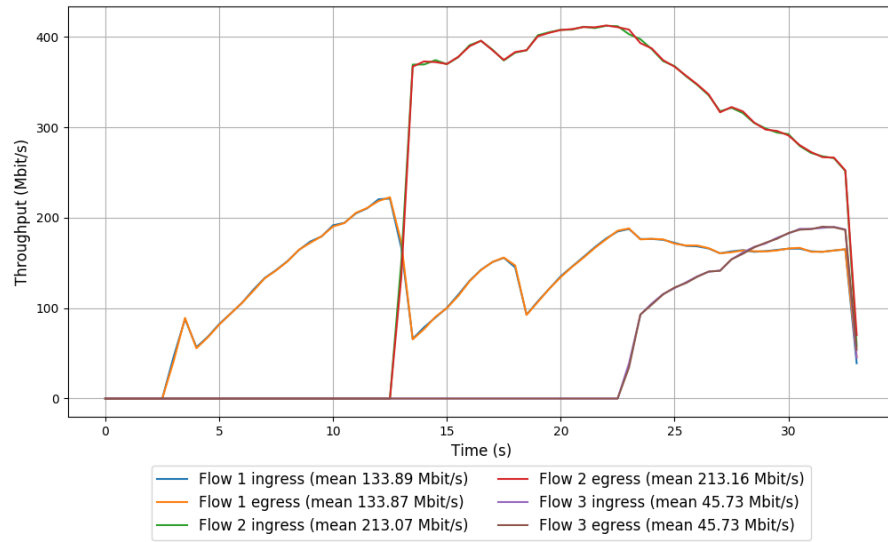
-- Flow 3:

Average throughput: 45.73 Mbit/s

95th percentile per-packet one-way delay: 23.951 ms

Loss rate: 0.00%

# Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sat, 01 Jul 2017 12:26:49 +0000

End at: Sat, 01 Jul 2017 12:27:19 +0000

Local clock offset: 0.046 ms

Remote clock offset: -4.717 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:51:37 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 356.81 Mbit/s

95th percentile per-packet one-way delay: 25.192 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 146.26 Mbit/s

95th percentile per-packet one-way delay: 25.133 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 157.35 Mbit/s

95th percentile per-packet one-way delay: 25.003 ms

Loss rate: 0.02%

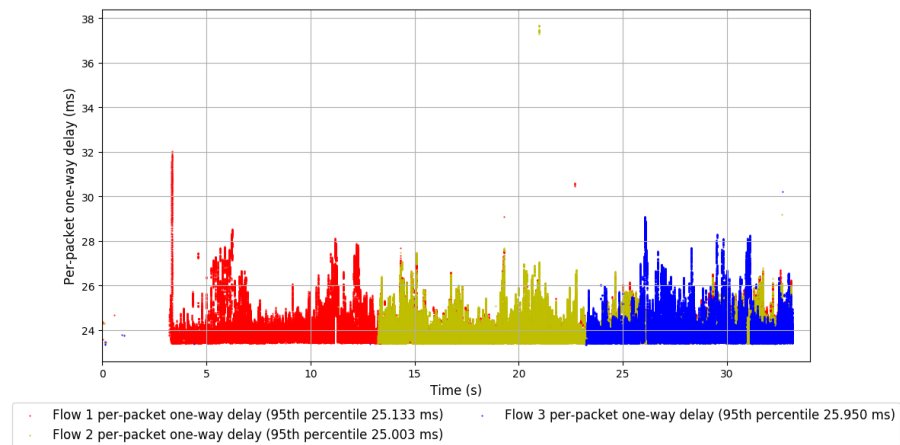
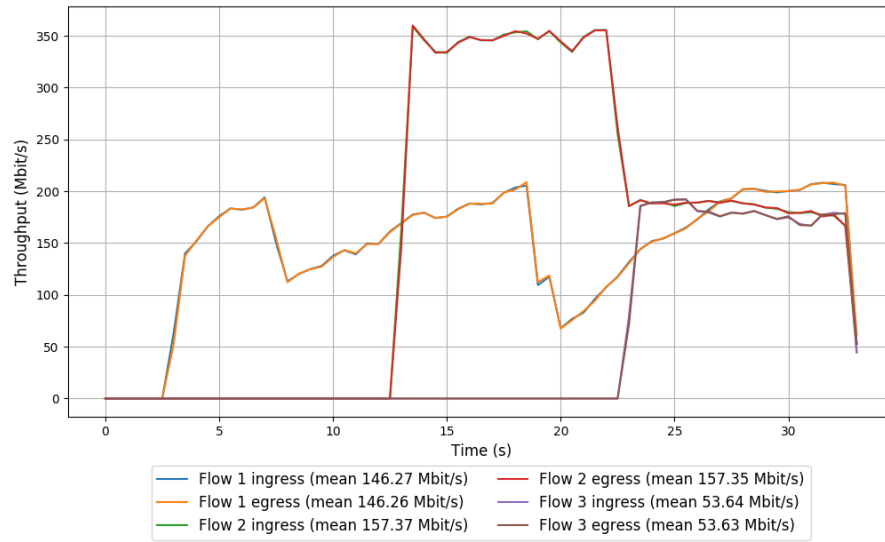
-- Flow 3:

Average throughput: 53.63 Mbit/s

95th percentile per-packet one-way delay: 25.950 ms

Loss rate: 0.00%

# Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:15:11 +0000

End at: Sat, 01 Jul 2017 09:15:41 +0000

Local clock offset: -0.253 ms

Remote clock offset: -5.647 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:52:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 193.20 Mbit/s

95th percentile per-packet one-way delay: 27.229 ms

Loss rate: 5.04%

-- Flow 1:

Average throughput: 112.40 Mbit/s

95th percentile per-packet one-way delay: 27.211 ms

Loss rate: 6.11%

-- Flow 2:

Average throughput: 59.10 Mbit/s

95th percentile per-packet one-way delay: 27.370 ms

Loss rate: 4.07%

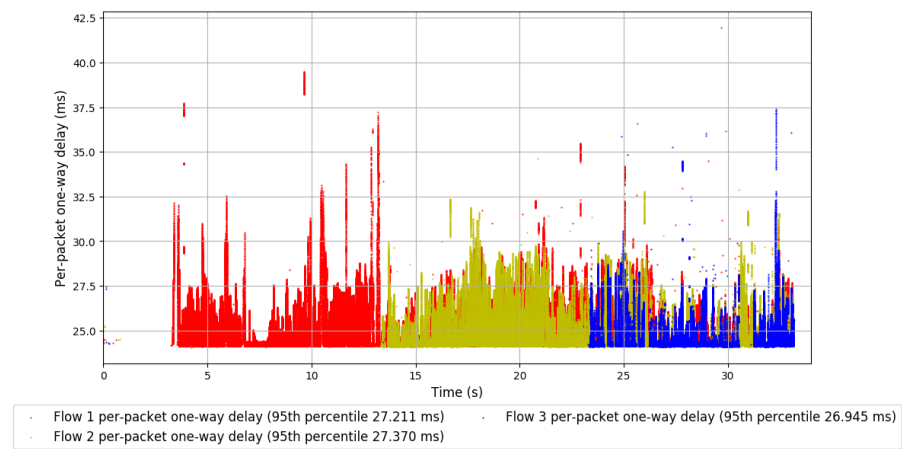
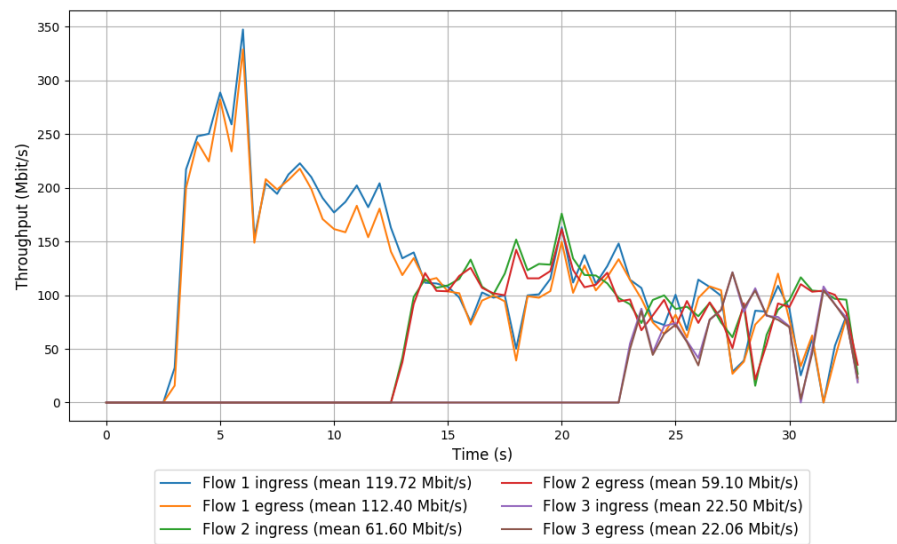
-- Flow 3:

Average throughput: 22.06 Mbit/s

95th percentile per-packet one-way delay: 26.945 ms

Loss rate: 1.96%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:36:19 +0000

End at: Sat, 01 Jul 2017 09:36:49 +0000

Local clock offset: 0.02 ms

Remote clock offset: -5.618 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:52:04 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 153.24 Mbit/s

95th percentile per-packet one-way delay: 29.404 ms

Loss rate: 13.67%

-- Flow 1:

Average throughput: 97.97 Mbit/s

95th percentile per-packet one-way delay: 29.574 ms

Loss rate: 14.51%

-- Flow 2:

Average throughput: 39.41 Mbit/s

95th percentile per-packet one-way delay: 29.362 ms

Loss rate: 14.28%

-- Flow 3:

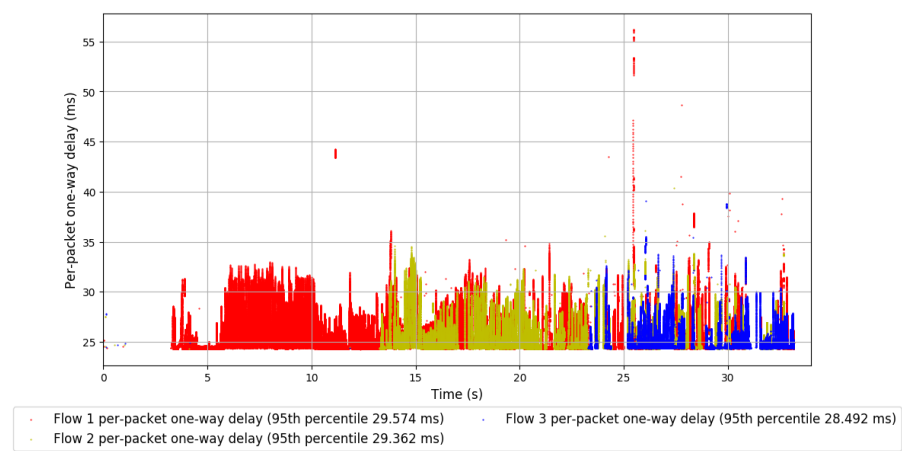
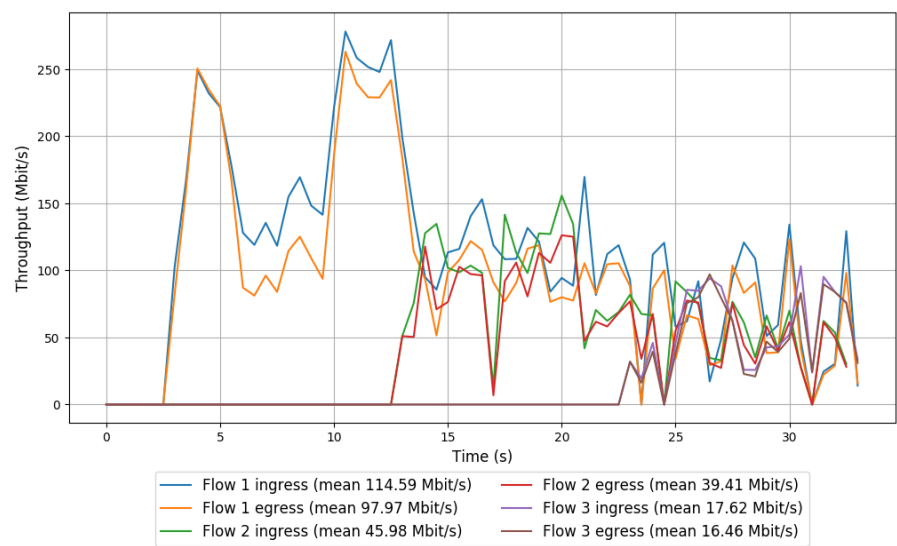
Average throughput: 16.46 Mbit/s

95th percentile per-packet one-way delay: 28.492 ms

Loss rate: 6.59%



Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sat, 01 Jul 2017 09:57:27 +0000

End at: Sat, 01 Jul 2017 09:57:57 +0000

Local clock offset: 0.114 ms

Remote clock offset: -5.524 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:52:29 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 186.57 Mbit/s

95th percentile per-packet one-way delay: 27.823 ms

Loss rate: 6.01%

-- Flow 1:

Average throughput: 113.24 Mbit/s

95th percentile per-packet one-way delay: 28.099 ms

Loss rate: 7.10%

-- Flow 2:

Average throughput: 56.75 Mbit/s

95th percentile per-packet one-way delay: 27.188 ms

Loss rate: 2.50%

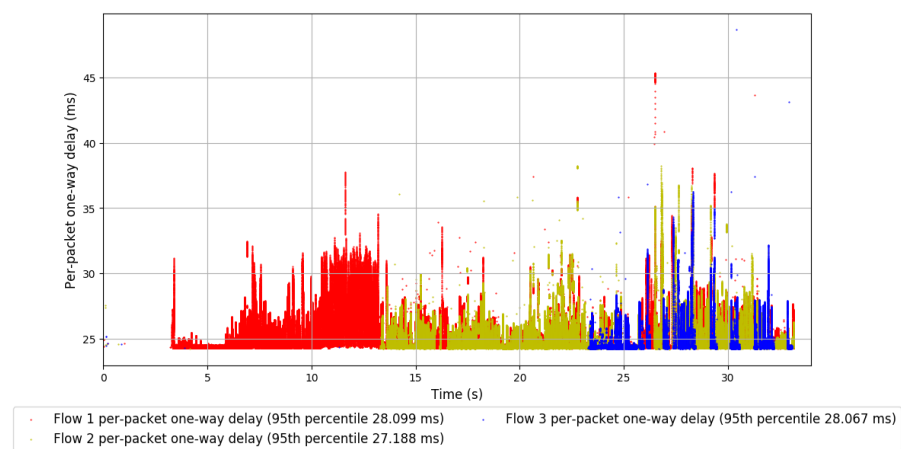
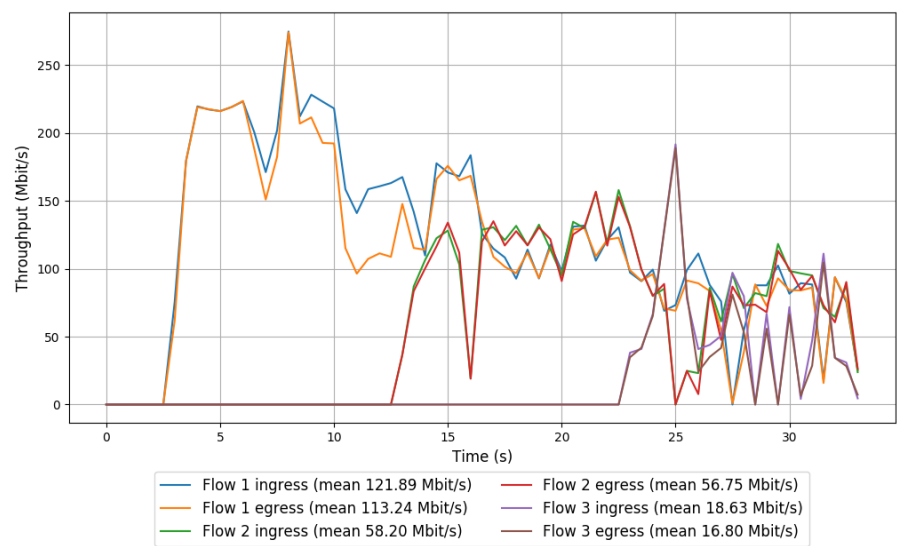
-- Flow 3:

Average throughput: 16.80 Mbit/s

95th percentile per-packet one-way delay: 28.067 ms

Loss rate: 9.83%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sat, 01 Jul 2017 10:18:17 +0000

End at: Sat, 01 Jul 2017 10:18:47 +0000

Local clock offset: 0.148 ms

Remote clock offset: -4.967 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:52:32 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 170.81 Mbit/s

95th percentile per-packet one-way delay: 27.732 ms

Loss rate: 7.66%

-- Flow 1:

Average throughput: 103.75 Mbit/s

95th percentile per-packet one-way delay: 27.562 ms

Loss rate: 7.80%

-- Flow 2:

Average throughput: 43.22 Mbit/s

95th percentile per-packet one-way delay: 28.169 ms

Loss rate: 9.38%

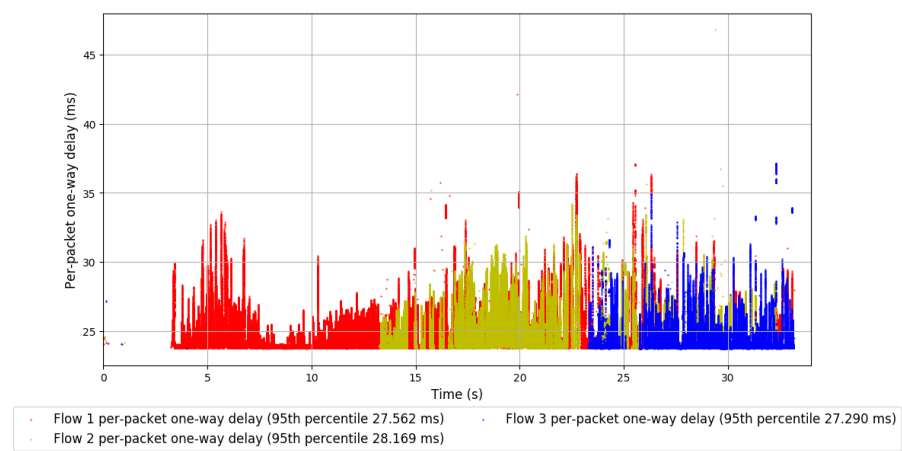
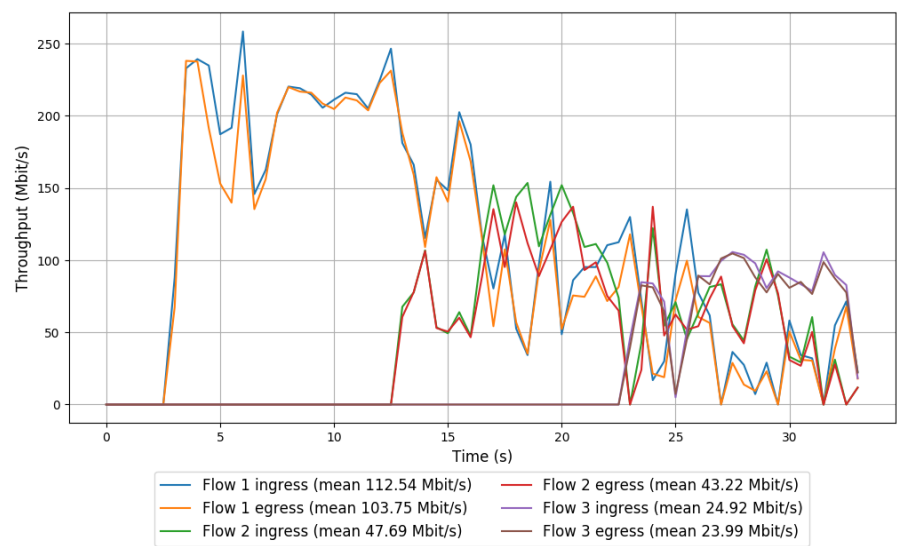
-- Flow 3:

Average throughput: 23.99 Mbit/s

95th percentile per-packet one-way delay: 27.290 ms

Loss rate: 3.73%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sat, 01 Jul 2017 10:38:58 +0000

End at: Sat, 01 Jul 2017 10:39:28 +0000

Local clock offset: 0.045 ms

Remote clock offset: -4.681 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:52:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 193.62 Mbit/s

95th percentile per-packet one-way delay: 26.758 ms

Loss rate: 4.81%

-- Flow 1:

Average throughput: 118.82 Mbit/s

95th percentile per-packet one-way delay: 26.822 ms

Loss rate: 5.89%

-- Flow 2:

Average throughput: 60.59 Mbit/s

95th percentile per-packet one-way delay: 26.530 ms

Loss rate: 2.64%

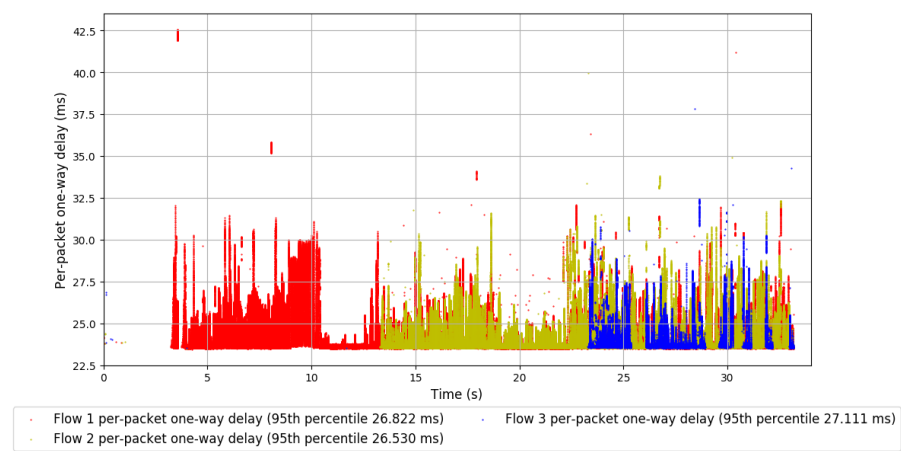
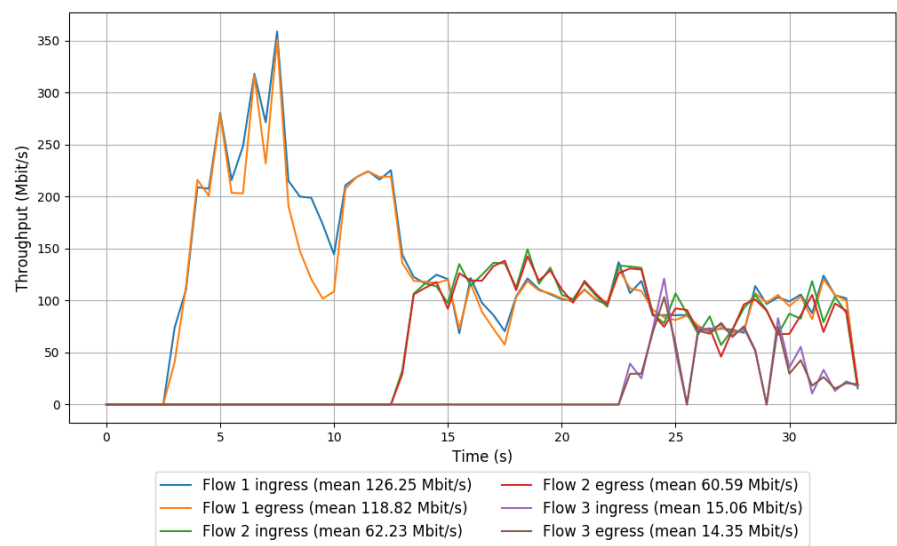
-- Flow 3:

Average throughput: 14.35 Mbit/s

95th percentile per-packet one-way delay: 27.111 ms

Loss rate: 4.74%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sat, 01 Jul 2017 10:59:53 +0000

End at: Sat, 01 Jul 2017 11:00:23 +0000

Local clock offset: 0.073 ms

Remote clock offset: -4.513 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:52:59 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 160.90 Mbit/s

95th percentile per-packet one-way delay: 27.881 ms

Loss rate: 13.93%

-- Flow 1:

Average throughput: 83.26 Mbit/s

95th percentile per-packet one-way delay: 28.676 ms

Loss rate: 19.62%

-- Flow 2:

Average throughput: 56.05 Mbit/s

95th percentile per-packet one-way delay: 26.909 ms

Loss rate: 5.57%

-- Flow 3:

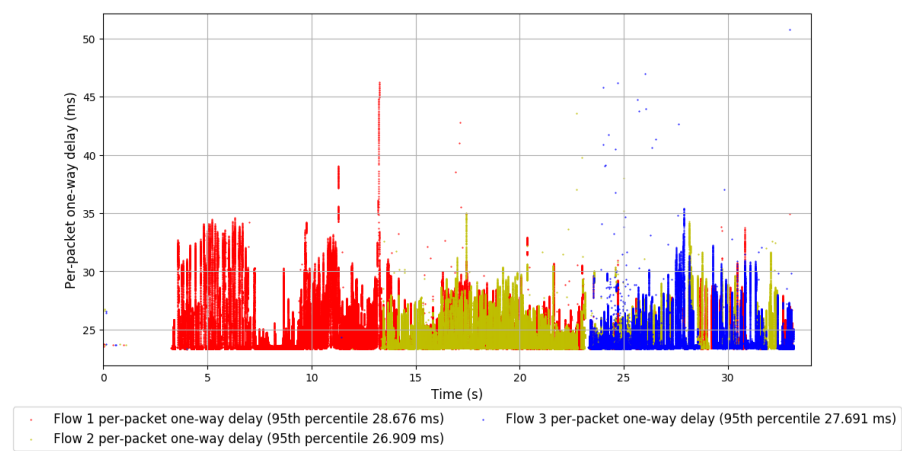
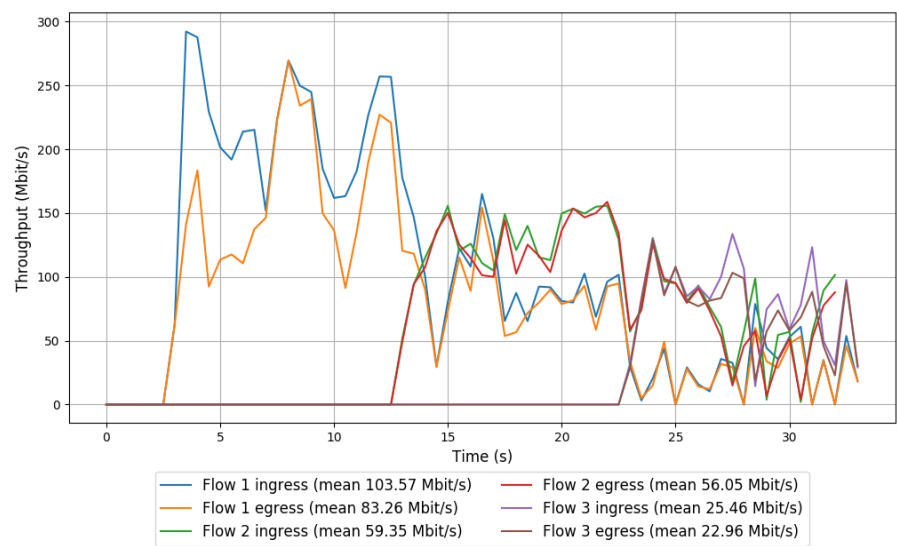
Average throughput: 22.96 Mbit/s

95th percentile per-packet one-way delay: 27.691 ms

Loss rate: 9.84%



Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sat, 01 Jul 2017 11:21:07 +0000

End at: Sat, 01 Jul 2017 11:21:37 +0000

Local clock offset: 0.136 ms

Remote clock offset: -4.812 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:53:16 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 150.60 Mbit/s

95th percentile per-packet one-way delay: 29.178 ms

Loss rate: 18.04%

-- Flow 1:

Average throughput: 94.03 Mbit/s

95th percentile per-packet one-way delay: 29.157 ms

Loss rate: 17.12%

-- Flow 2:

Average throughput: 36.03 Mbit/s

95th percentile per-packet one-way delay: 29.596 ms

Loss rate: 22.47%

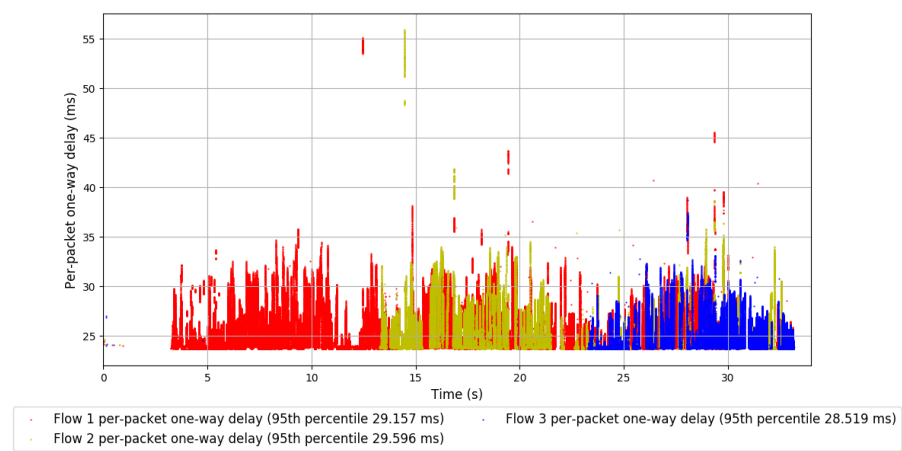
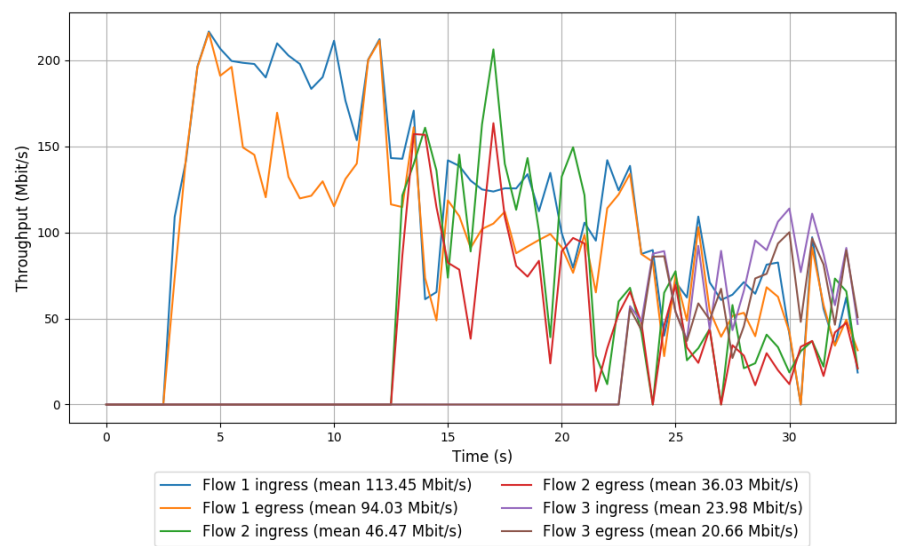
-- Flow 3:

Average throughput: 20.66 Mbit/s

95th percentile per-packet one-way delay: 28.519 ms

Loss rate: 13.83%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sat, 01 Jul 2017 11:42:14 +0000

End at: Sat, 01 Jul 2017 11:42:44 +0000

Local clock offset: -0.023 ms

Remote clock offset: -4.59 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:53:26 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 188.31 Mbit/s

95th percentile per-packet one-way delay: 26.456 ms

Loss rate: 4.34%

-- Flow 1:

Average throughput: 110.65 Mbit/s

95th percentile per-packet one-way delay: 26.309 ms

Loss rate: 4.55%

-- Flow 2:

Average throughput: 54.84 Mbit/s

95th percentile per-packet one-way delay: 26.777 ms

Loss rate: 4.50%

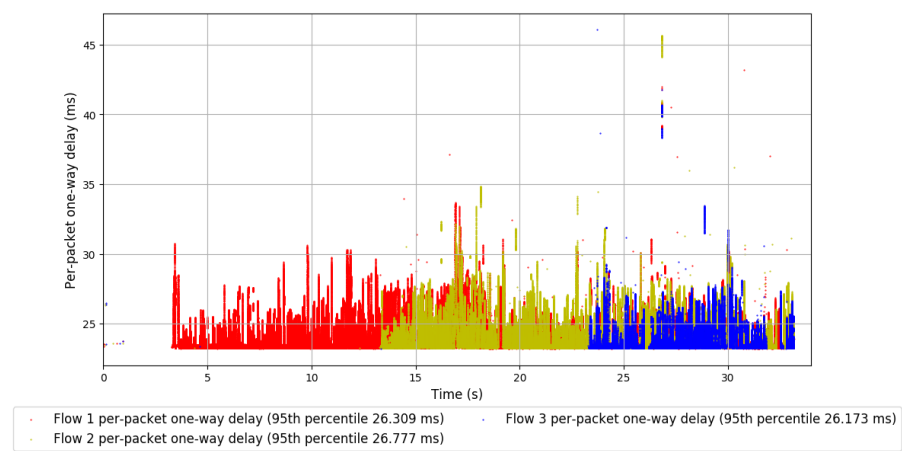
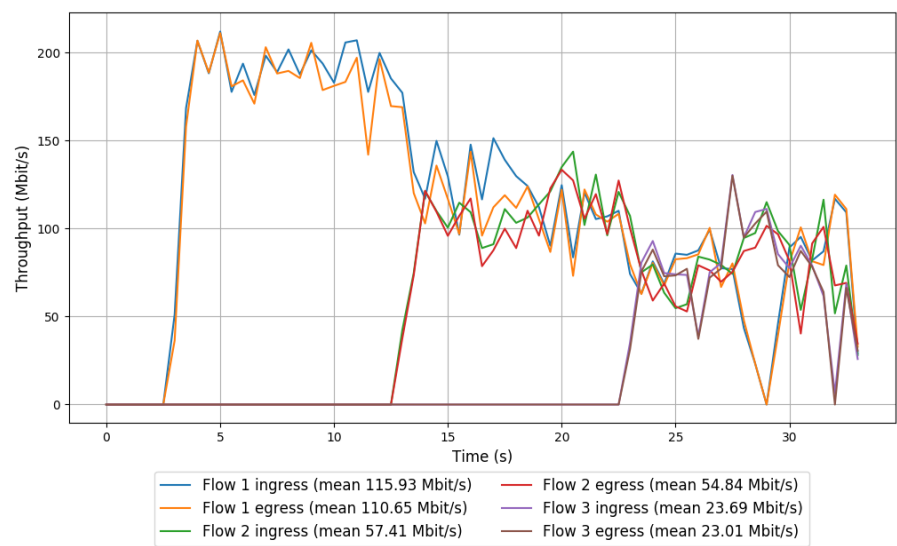
-- Flow 3:

Average throughput: 23.01 Mbit/s

95th percentile per-packet one-way delay: 26.173 ms

Loss rate: 2.91%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sat, 01 Jul 2017 12:03:07 +0000

End at: Sat, 01 Jul 2017 12:03:37 +0000

Local clock offset: -0.053 ms

Remote clock offset: -4.374 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:53:42 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 164.66 Mbit/s

95th percentile per-packet one-way delay: 27.985 ms

Loss rate: 13.00%

-- Flow 1:

Average throughput: 103.54 Mbit/s

95th percentile per-packet one-way delay: 28.176 ms

Loss rate: 15.67%

-- Flow 2:

Average throughput: 42.96 Mbit/s

95th percentile per-packet one-way delay: 27.654 ms

Loss rate: 8.68%

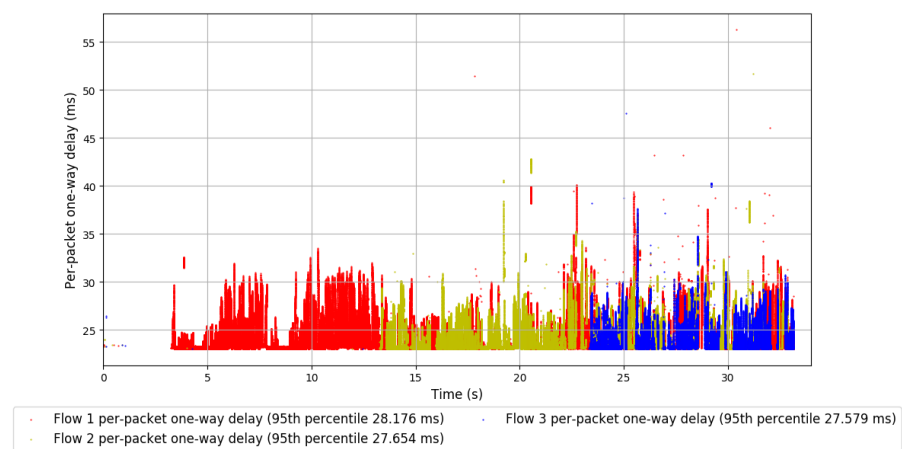
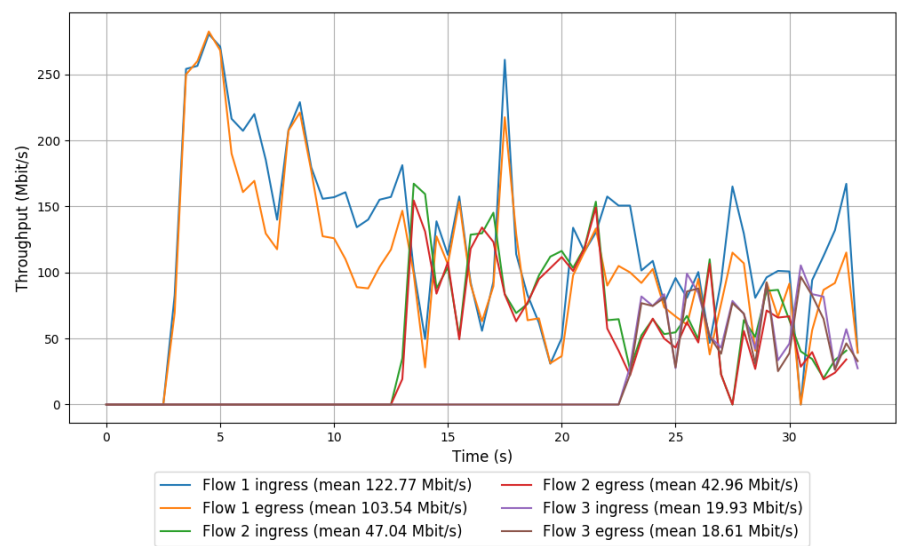
-- Flow 3:

Average throughput: 18.61 Mbit/s

95th percentile per-packet one-way delay: 27.579 ms

Loss rate: 6.62%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sat, 01 Jul 2017 12:24:02 +0000

End at: Sat, 01 Jul 2017 12:24:32 +0000

Local clock offset: 0.017 ms

Remote clock offset: -4.609 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:54:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 205.03 Mbit/s

95th percentile per-packet one-way delay: 26.531 ms

Loss rate: 4.73%

-- Flow 1:

Average throughput: 119.91 Mbit/s

95th percentile per-packet one-way delay: 26.607 ms

Loss rate: 5.41%

-- Flow 2:

Average throughput: 53.90 Mbit/s

95th percentile per-packet one-way delay: 26.774 ms

Loss rate: 5.40%

-- Flow 3:

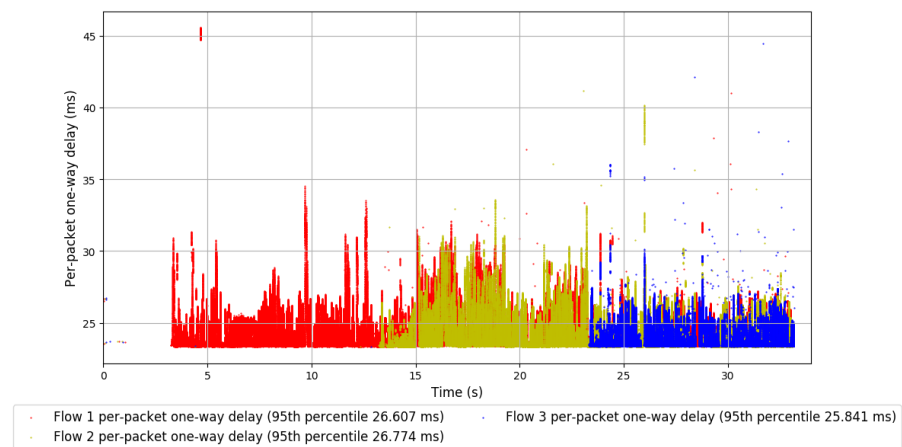
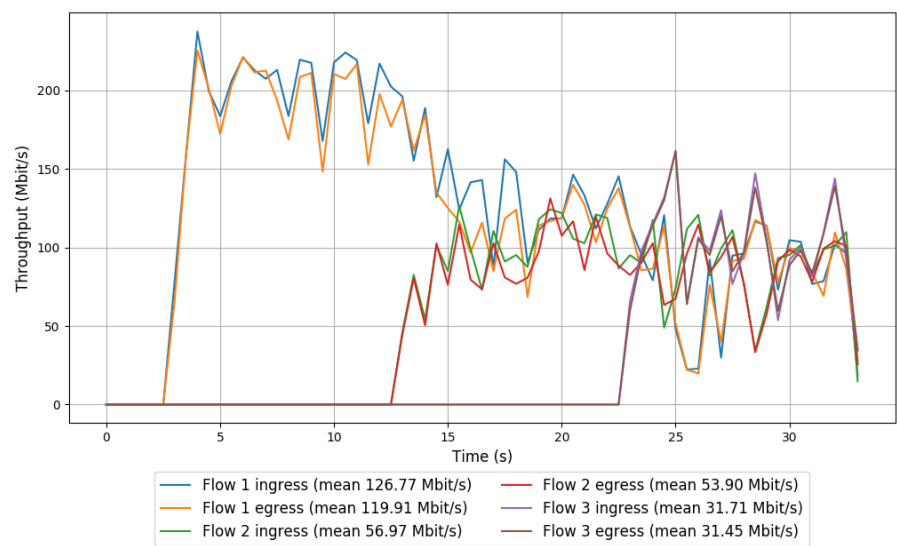
Average throughput: 31.45 Mbit/s

95th percentile per-packet one-way delay: 25.841 ms

Loss rate: 0.80%



Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 09:11:36 +0000

End at: Sat, 01 Jul 2017 09:12:06 +0000

Local clock offset: -0.267 ms

Remote clock offset: -5.576 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:54:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1.99 Mbit/s

95th percentile per-packet one-way delay: 24.645 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 24.615 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 24.671 ms

Loss rate: 0.00%

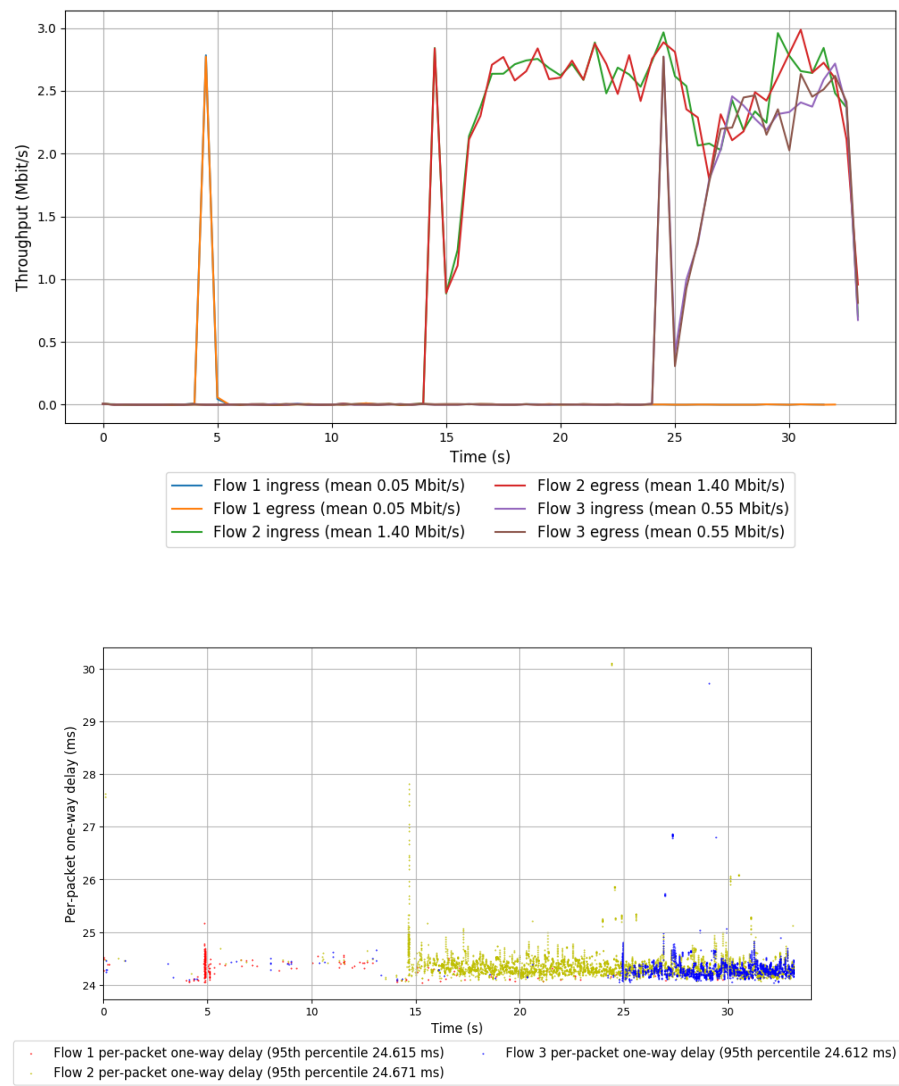
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 24.612 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 09:32:44 +0000

End at: Sat, 01 Jul 2017 09:33:14 +0000

Local clock offset: 0.001 ms

Remote clock offset: -5.57 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:54:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 24.803 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 24.779 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 24.809 ms

Loss rate: 0.00%

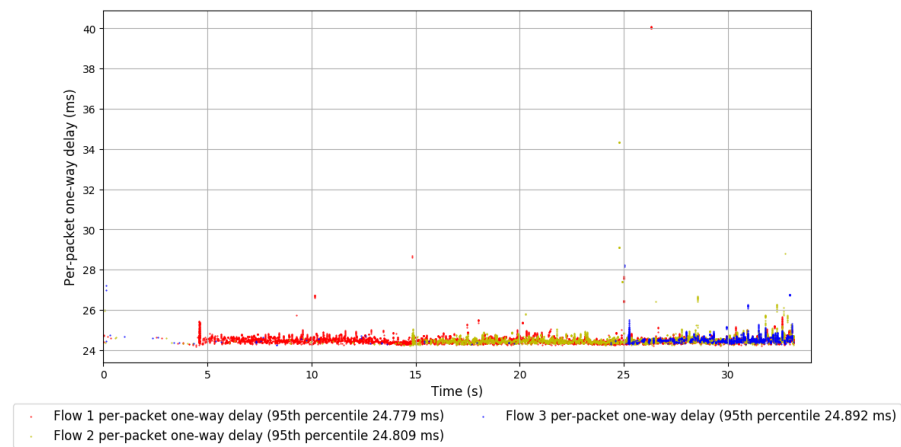
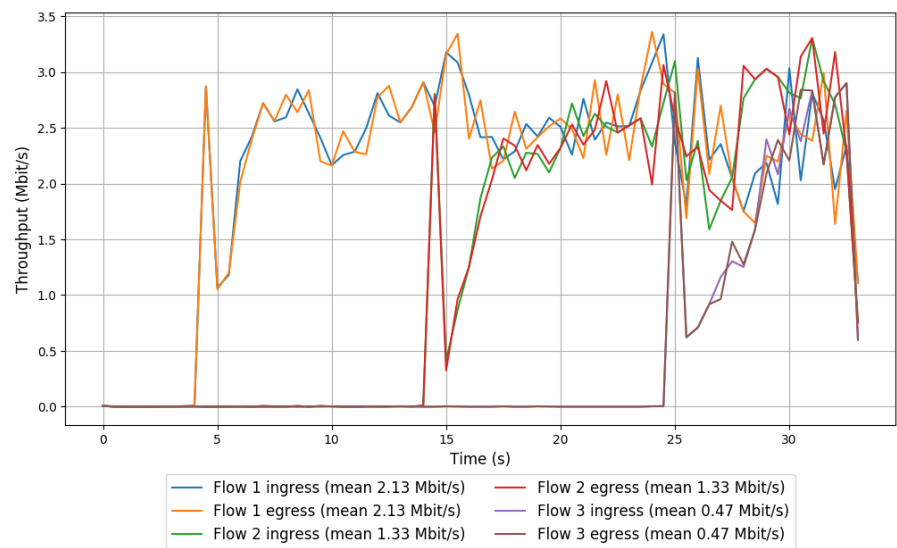
-- Flow 3:

Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 24.892 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 09:53:53 +0000

End at: Sat, 01 Jul 2017 09:54:23 +0000

Local clock offset: 0.033 ms

Remote clock offset: -5.592 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:54:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 24.971 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 27.121 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 24.881 ms

Loss rate: 0.00%

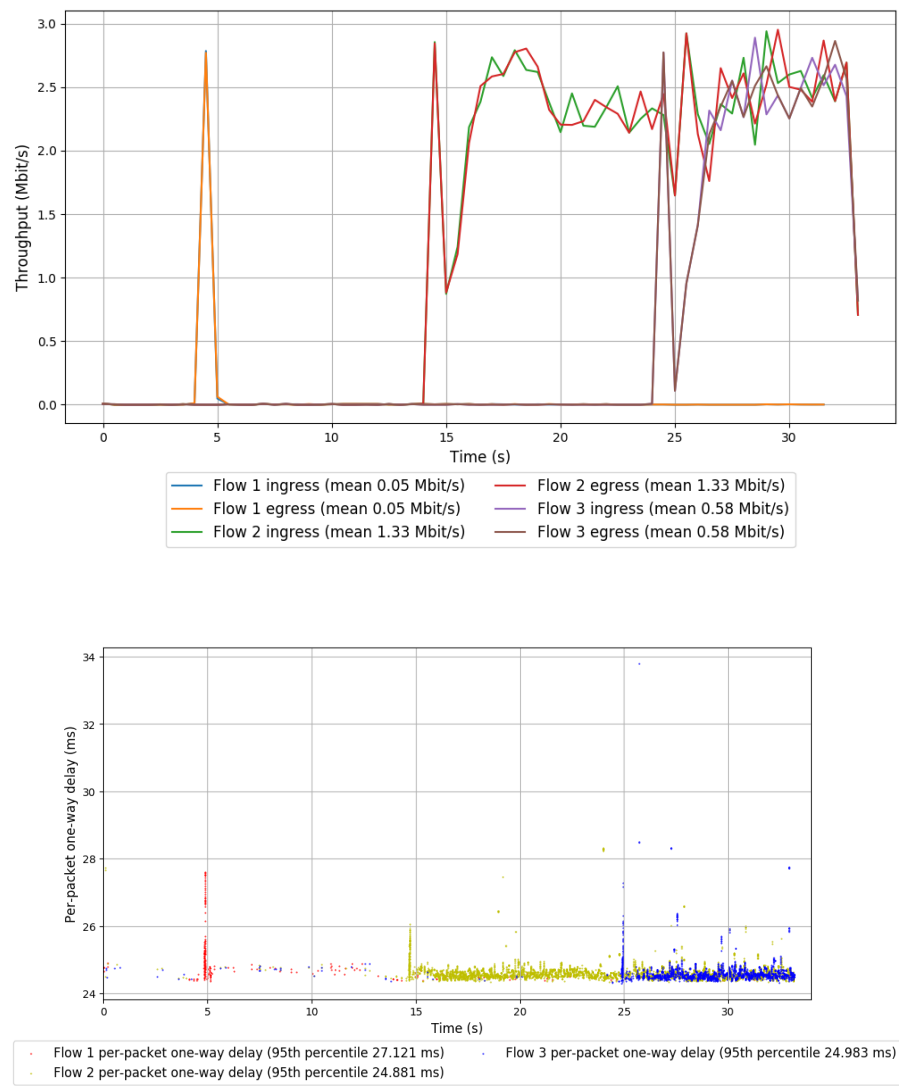
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 24.983 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 10:14:42 +0000

End at: Sat, 01 Jul 2017 10:15:12 +0000

Local clock offset: 0.136 ms

Remote clock offset: -5.085 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:54:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 24.402 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 24.365 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 24.431 ms

Loss rate: 0.00%

-- Flow 3:

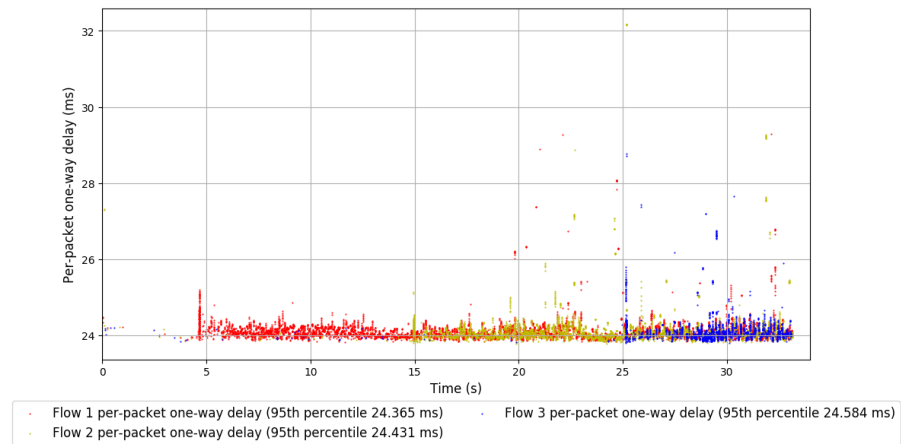
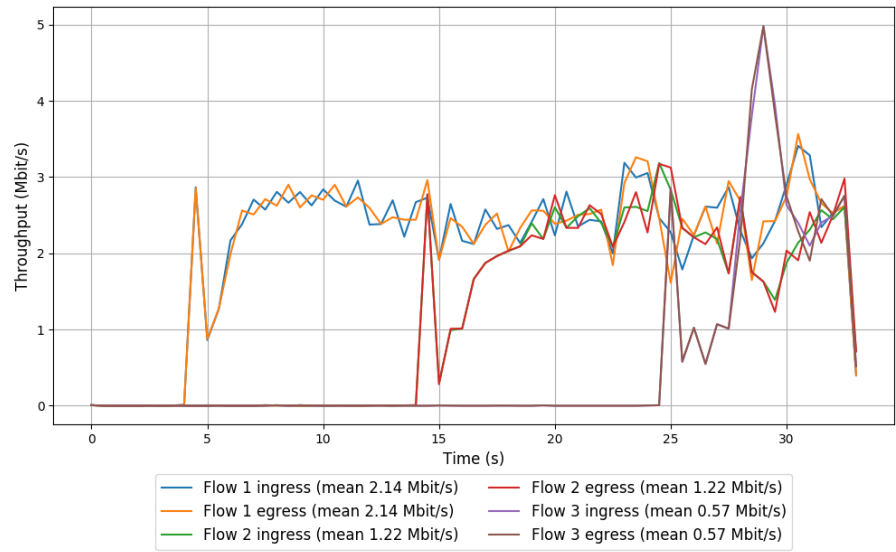
Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 24.584 ms

Loss rate: 0.00%



# Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sat, 01 Jul 2017 10:35:23 +0000

End at: Sat, 01 Jul 2017 10:35:53 +0000

Local clock offset: 0.025 ms

Remote clock offset: -4.809 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:54:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 24.190 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 24.255 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 24.088 ms

Loss rate: 0.00%

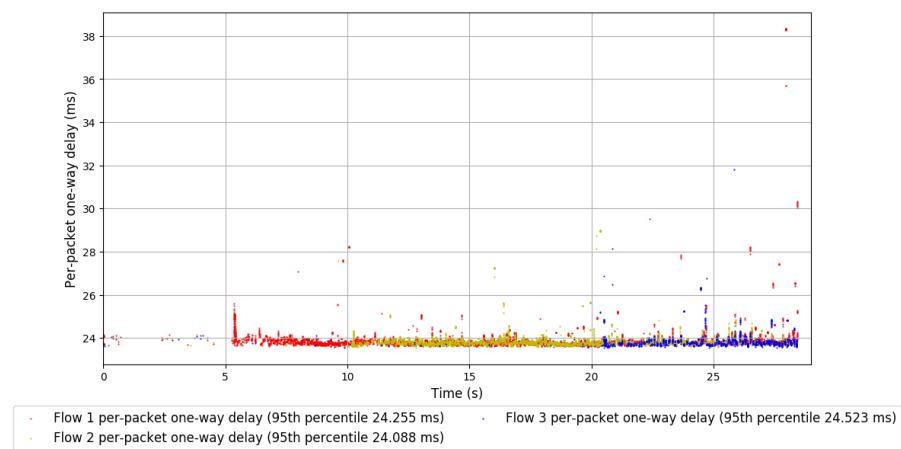
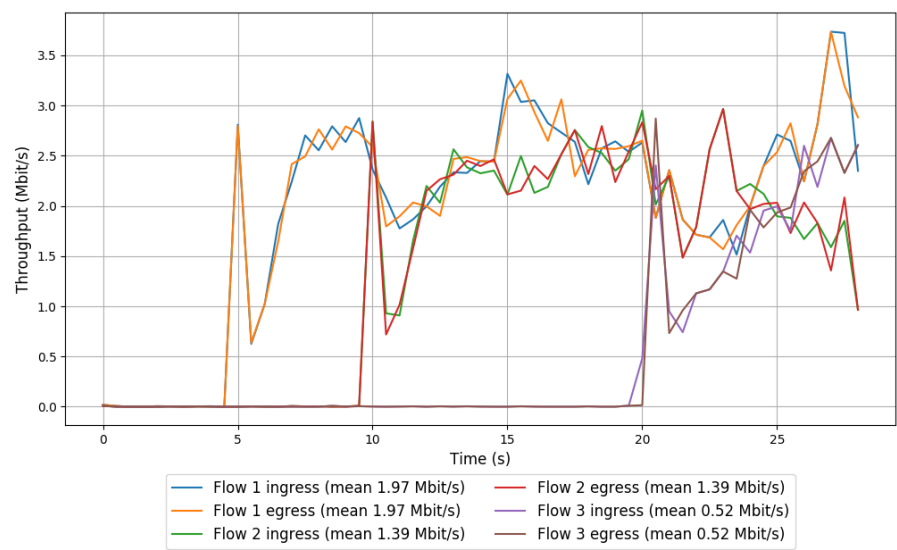
-- Flow 3:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 24.523 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 10:56:18 +0000

End at: Sat, 01 Jul 2017 10:56:48 +0000

Local clock offset: 0.172 ms

Remote clock offset: -4.5 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:54:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.15 Mbit/s

95th percentile per-packet one-way delay: 23.882 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 23.821 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 23.983 ms

Loss rate: 0.00%

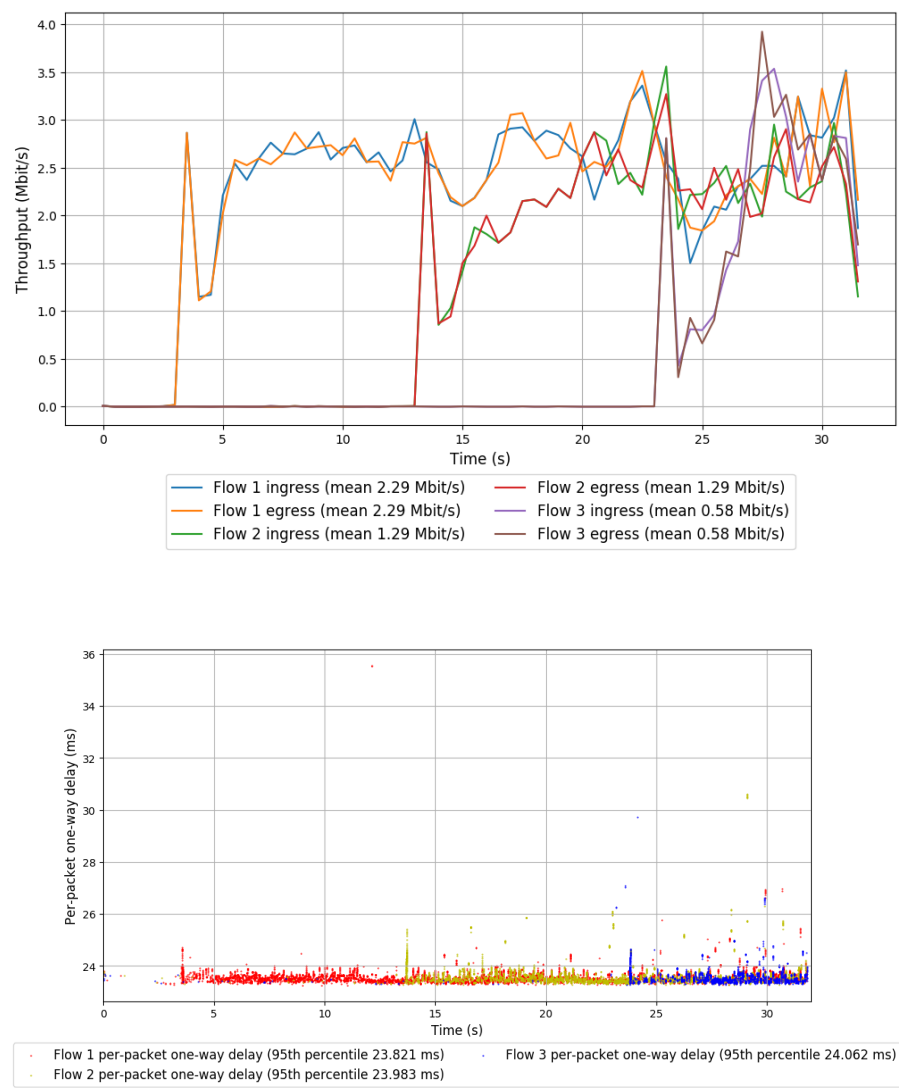
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 24.062 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 11:17:32 +0000

End at: Sat, 01 Jul 2017 11:18:02 +0000

Local clock offset: 0.161 ms

Remote clock offset: -4.802 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:54:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.90 Mbit/s

95th percentile per-packet one-way delay: 24.215 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 24.181 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.21 Mbit/s

95th percentile per-packet one-way delay: 24.231 ms

Loss rate: 0.00%

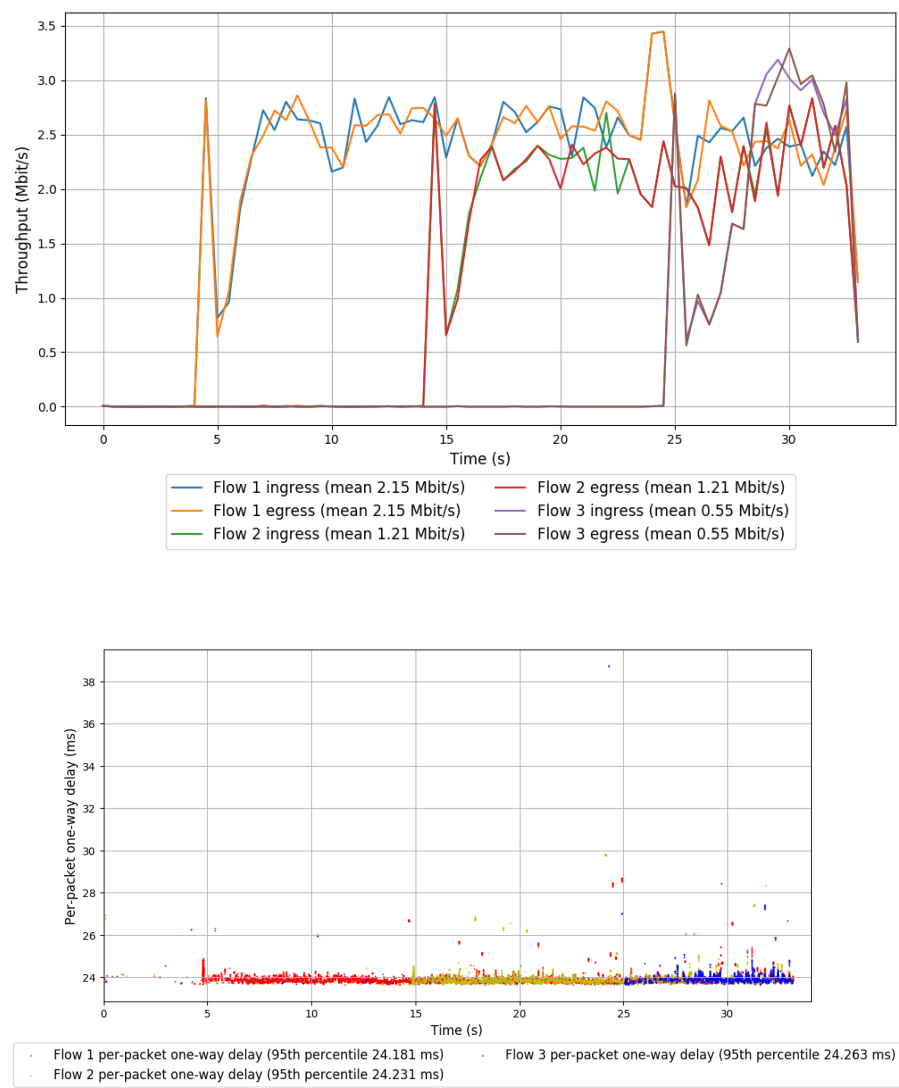
-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 24.263 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 11:38:39 +0000

End at: Sat, 01 Jul 2017 11:39:09 +0000

Local clock offset: -0.038 ms

Remote clock offset: -4.537 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:54:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 23.824 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 23.787 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 23.867 ms

Loss rate: 0.00%

-- Flow 3:

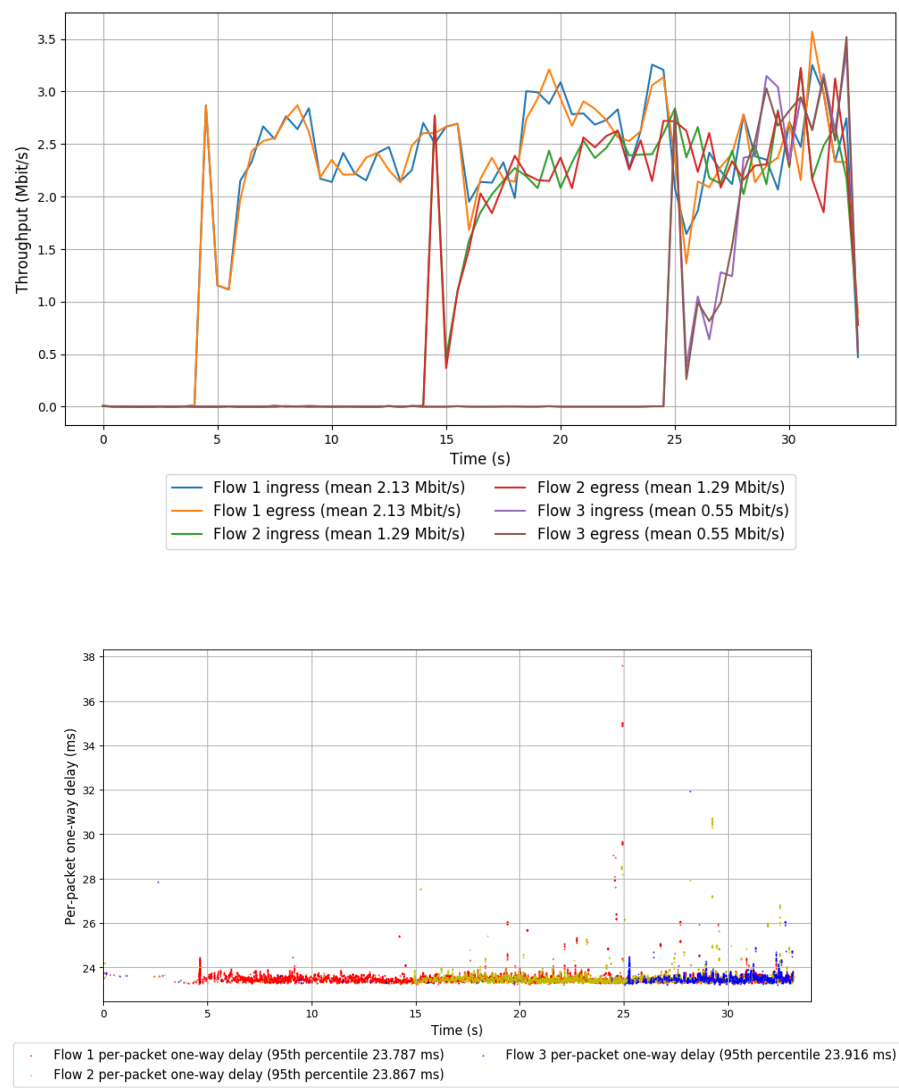
Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 23.916 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 11:59:32 +0000

End at: Sat, 01 Jul 2017 12:00:02 +0000

Local clock offset: 0.035 ms

Remote clock offset: -4.385 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:54:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.97 Mbit/s

95th percentile per-packet one-way delay: 23.763 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 23.668 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.33 Mbit/s

95th percentile per-packet one-way delay: 23.797 ms

Loss rate: 0.00%

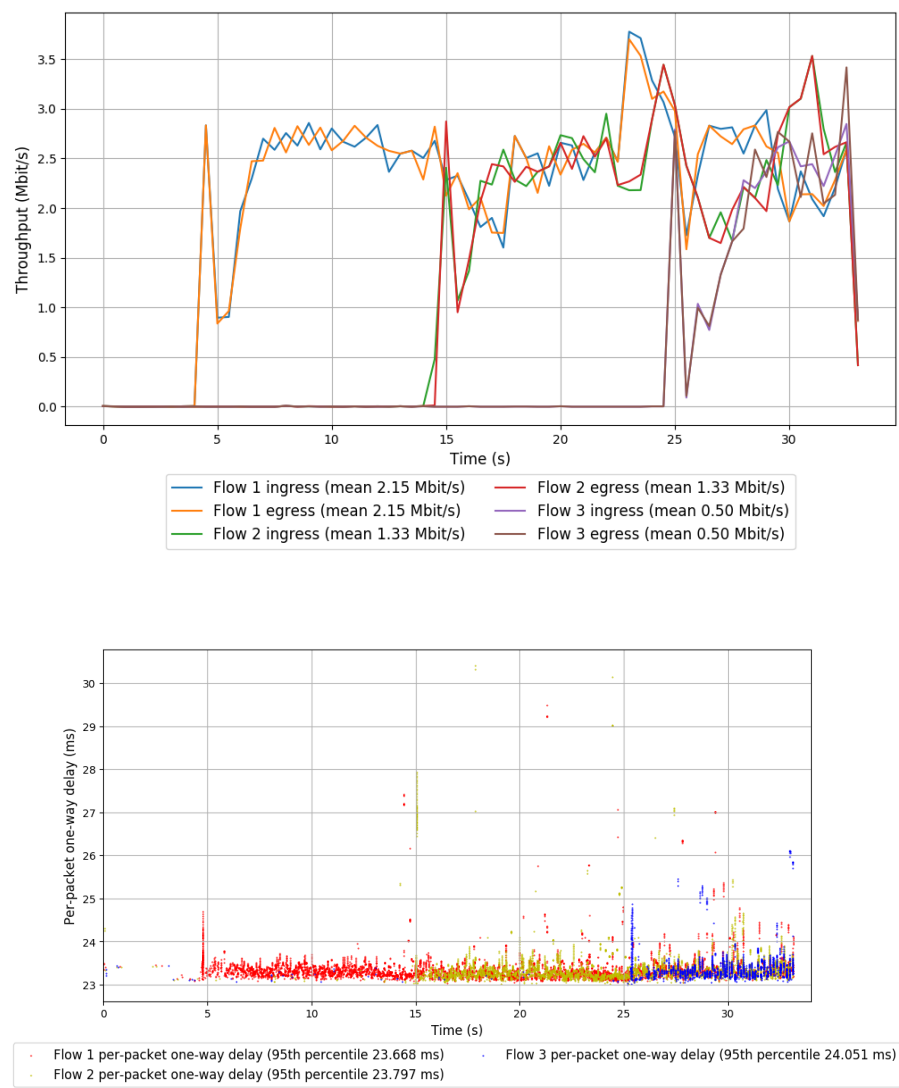
-- Flow 3:

Average throughput: 0.50 Mbit/s

95th percentile per-packet one-way delay: 24.051 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 12:20:28 +0000

End at: Sat, 01 Jul 2017 12:20:58 +0000

Local clock offset: 0.051 ms

Remote clock offset: -4.533 ms

# Below is generated by plot.py at Sat, 01 Jul 2017 19:54:02 +0000

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 23.896 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 23.874 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.23 Mbit/s

95th percentile per-packet one-way delay: 23.880 ms

Loss rate: 0.00%

-- Flow 3:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 24.096 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

