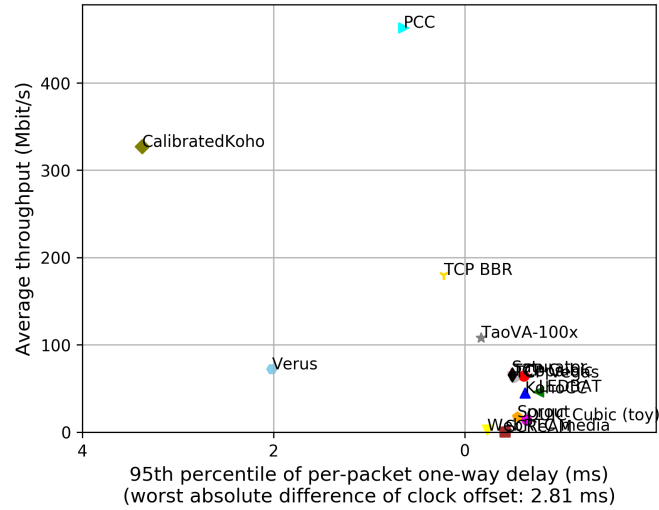


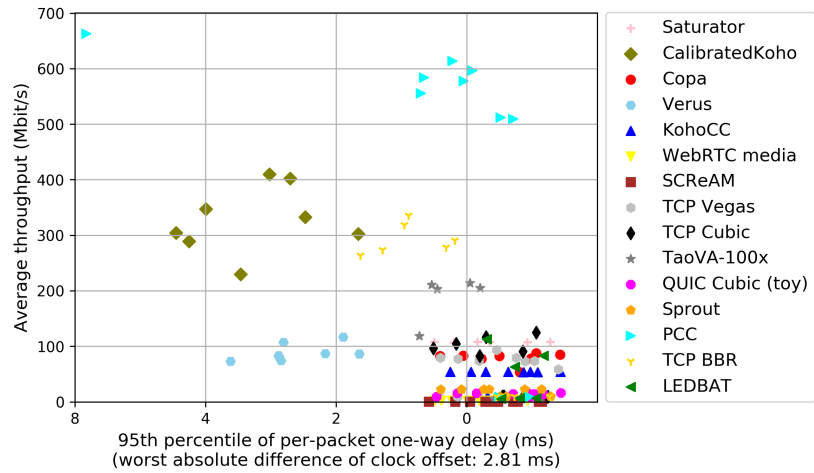
**Pantheon Summary** (Generated at Tue, 04 Jul 2017 10:34:24 +0000 with pantheon version 55ce618ef3153403f57ca06ffe894ed6887bd36f)  
Repeated the test of 15 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Data path **from** Stanford Ethernet **to** AWS California 1 Ethernet.  
NTP offset measured against time.stanford.edu.

```
git branch: master @ 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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
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
```

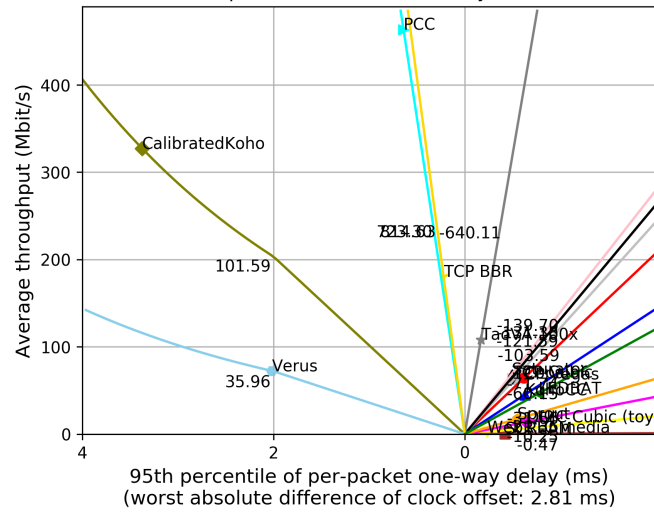
test from Stanford Ethernet to AWS California 1 Ethernet, 10 runs of 30s each per scheme  
mean of all runs by scheme



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



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



Run 1: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 05:05:20 +0000

End at: Tue, 04 Jul 2017 05:05:50 +0000

Local clock offset: 1.267 ms

Remote clock offset: -0.901 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:13:44 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 278.41 Mbit/s

95th percentile per-packet one-way delay: 0.319 ms

Loss rate: 7.79%

-- Flow 1:

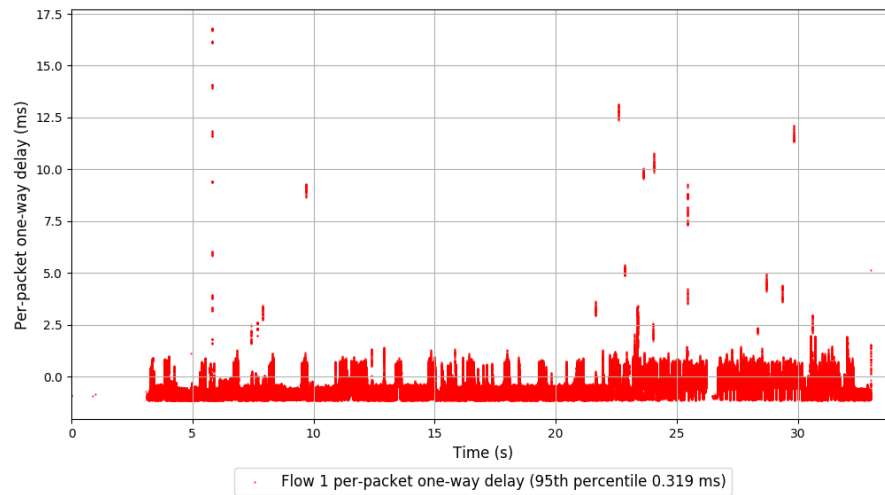
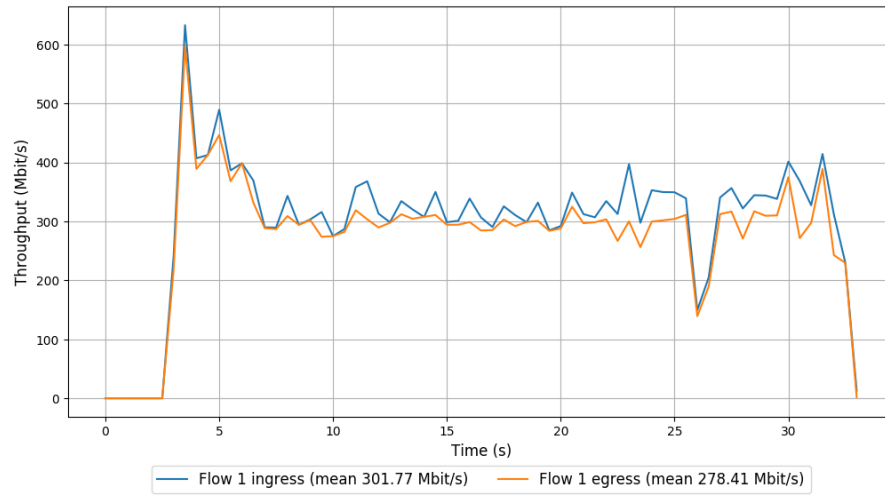
Average throughput: 278.41 Mbit/s

95th percentile per-packet one-way delay: 0.319 ms

Loss rate: 7.79%



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



Run 2: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 05:24:38 +0000

End at: Tue, 04 Jul 2017 05:25:08 +0000

Local clock offset: 1.239 ms

Remote clock offset: -0.938 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:13:44 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: -0.730 ms

Loss rate: 9.60%

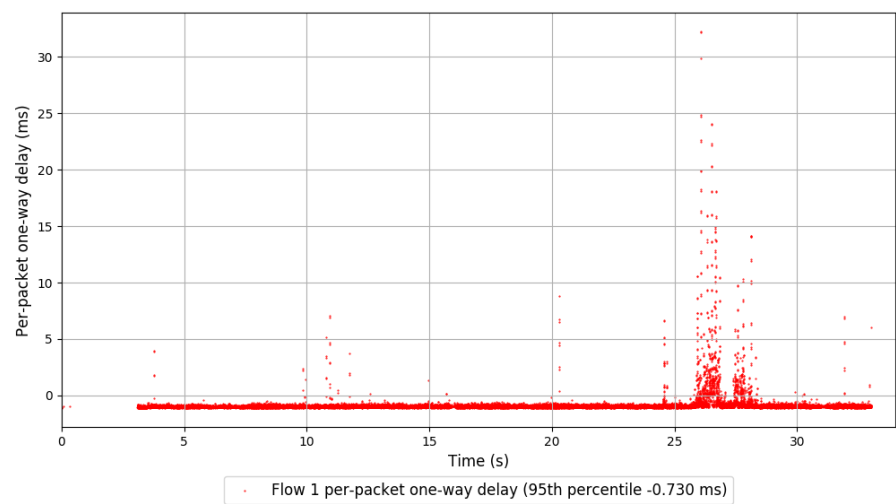
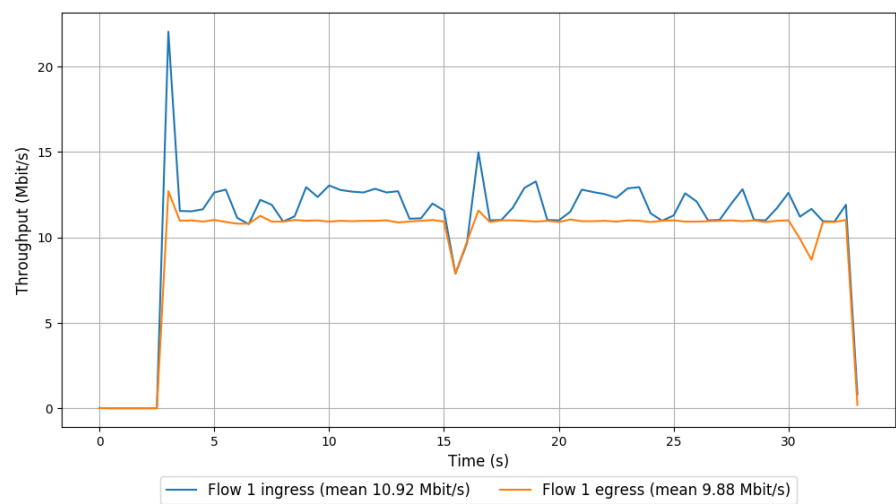
-- Flow 1:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: -0.730 ms

Loss rate: 9.60%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 05:42:36 +0000

End at: Tue, 04 Jul 2017 05:43:06 +0000

Local clock offset: 1.165 ms

Remote clock offset: -1.345 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:13:44 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.87 Mbit/s

95th percentile per-packet one-way delay: -1.271 ms

Loss rate: 8.02%

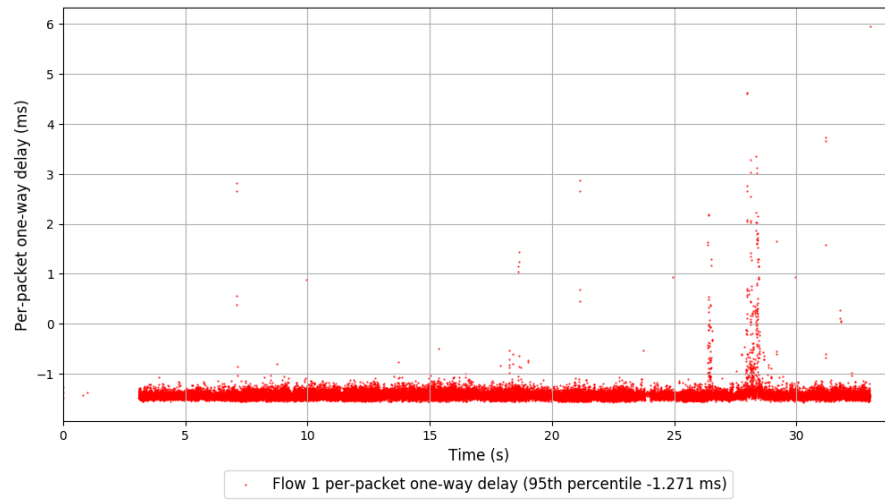
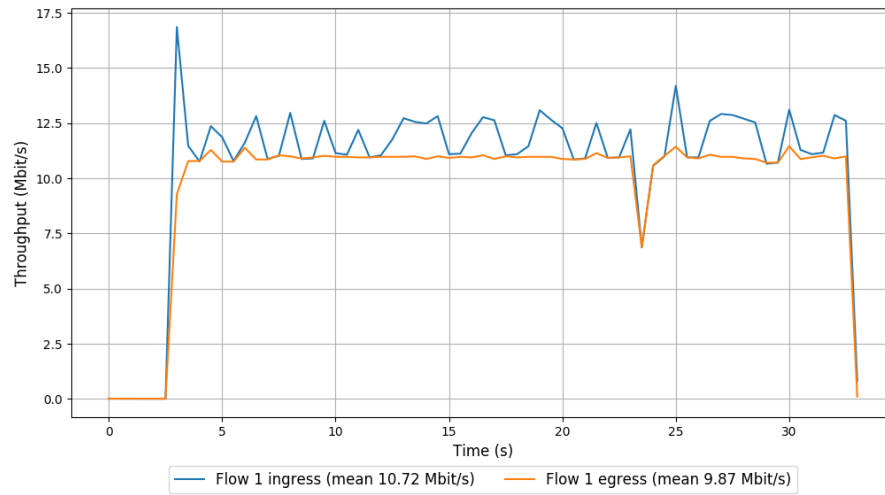
-- Flow 1:

Average throughput: 9.87 Mbit/s

95th percentile per-packet one-way delay: -1.271 ms

Loss rate: 8.02%

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



Run 4: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 06:01:59 +0000

End at: Tue, 04 Jul 2017 06:02:29 +0000

Local clock offset: 1.107 ms

Remote clock offset: -1.352 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:14:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 290.78 Mbit/s

95th percentile per-packet one-way delay: 0.180 ms

Loss rate: 10.23%

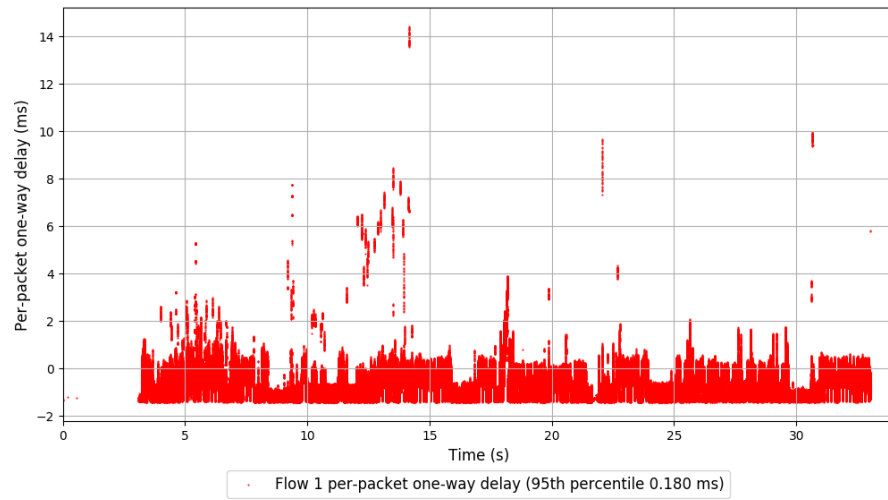
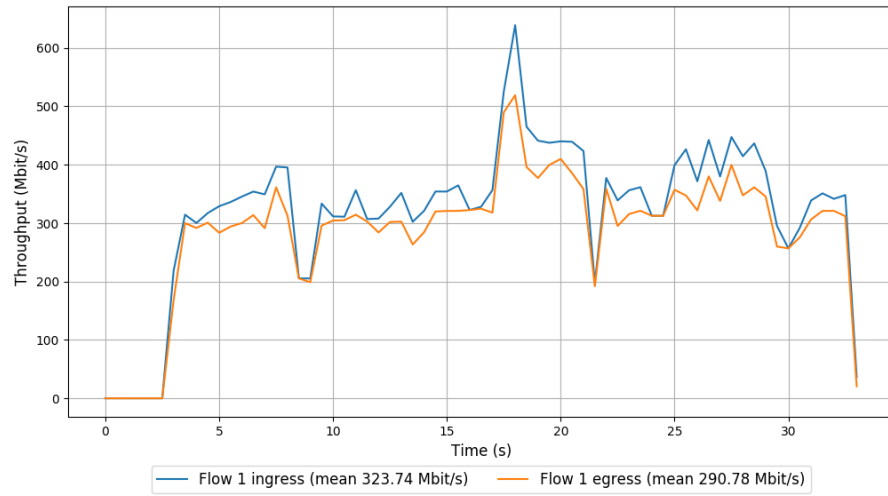
-- Flow 1:

Average throughput: 290.78 Mbit/s

95th percentile per-packet one-way delay: 0.180 ms

Loss rate: 10.23%

#### Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 06:21:08 +0000

End at: Tue, 04 Jul 2017 06:21:38 +0000

Local clock offset: 0.797 ms

Remote clock offset: -0.982 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:14:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.83 Mbit/s

95th percentile per-packet one-way delay: -0.458 ms

Loss rate: 10.02%

-- Flow 1:

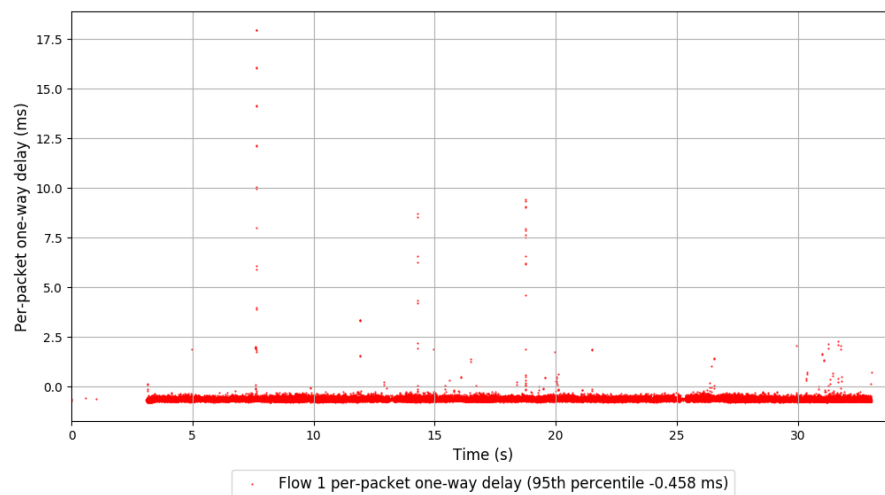
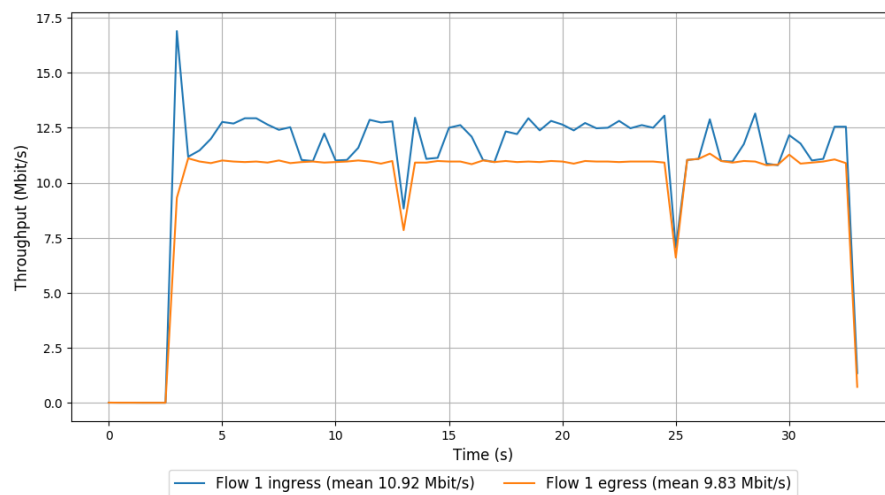
Average throughput: 9.83 Mbit/s

95th percentile per-packet one-way delay: -0.458 ms

Loss rate: 10.02%



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



Run 6: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 06:39:18 +0000

End at: Tue, 04 Jul 2017 06:39:48 +0000

Local clock offset: 0.667 ms

Remote clock offset: -1.317 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:14:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: -0.593 ms

Loss rate: 9.11%

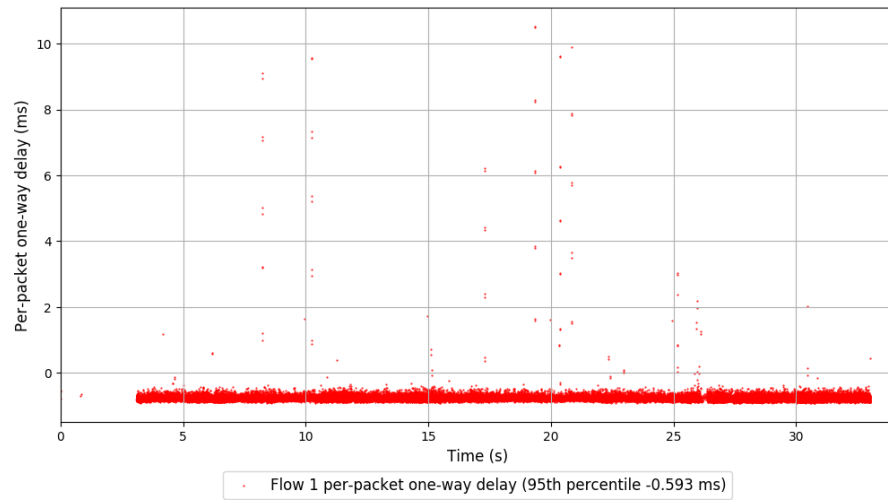
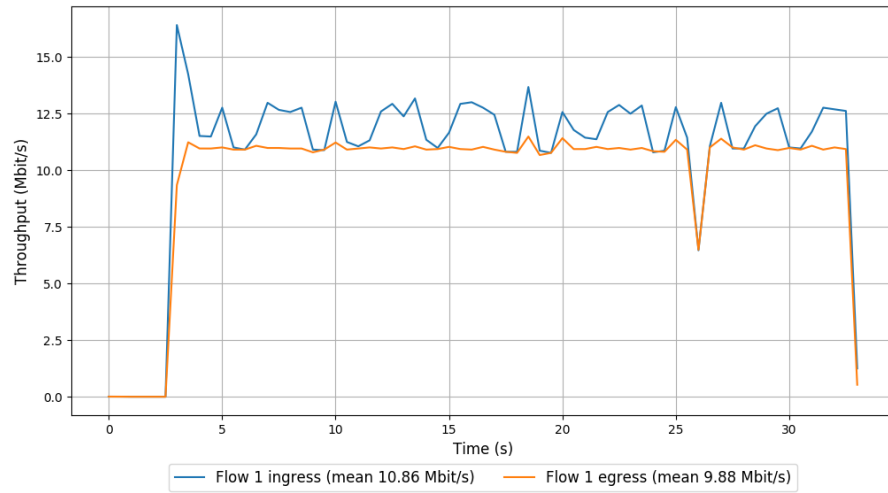
-- Flow 1:

Average throughput: 9.88 Mbit/s

95th percentile per-packet one-way delay: -0.593 ms

Loss rate: 9.11%

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



Run 7: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 06:58:53 +0000

End at: Tue, 04 Jul 2017 06:59:23 +0000

Local clock offset: 0.247 ms

Remote clock offset: -1.372 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:14:45 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 319.01 Mbit/s

95th percentile per-packet one-way delay: 0.957 ms

Loss rate: 10.62%

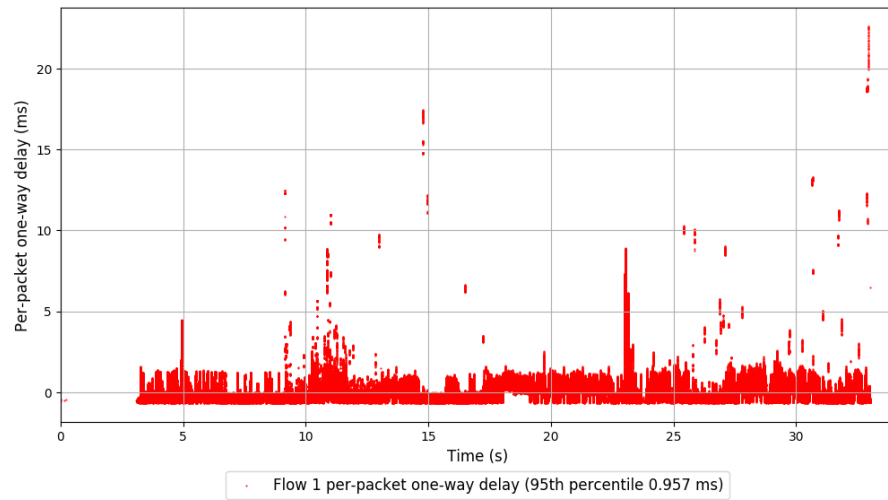
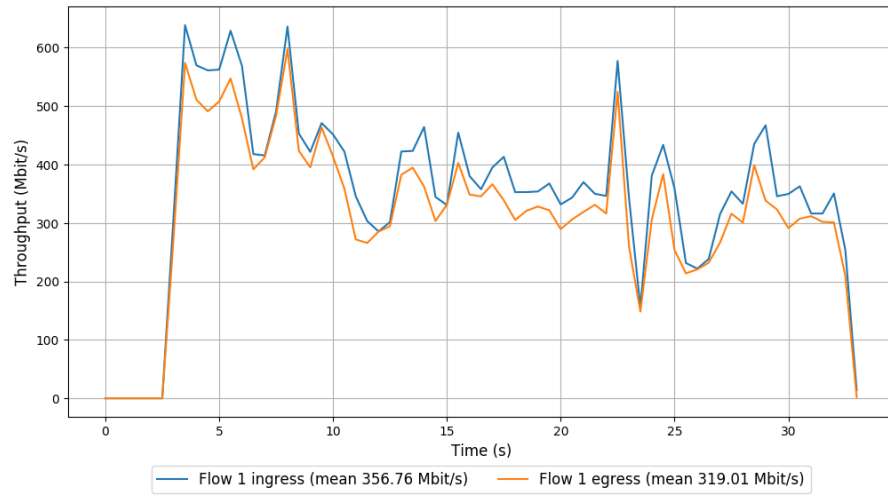
-- Flow 1:

Average throughput: 319.01 Mbit/s

95th percentile per-packet one-way delay: 0.957 ms

Loss rate: 10.62%

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



Run 8: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 07:18:27 +0000

End at: Tue, 04 Jul 2017 07:18:57 +0000

Local clock offset: 0.057 ms

Remote clock offset: -1.478 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:14:49 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 335.75 Mbit/s

95th percentile per-packet one-way delay: 0.892 ms

Loss rate: 7.67%

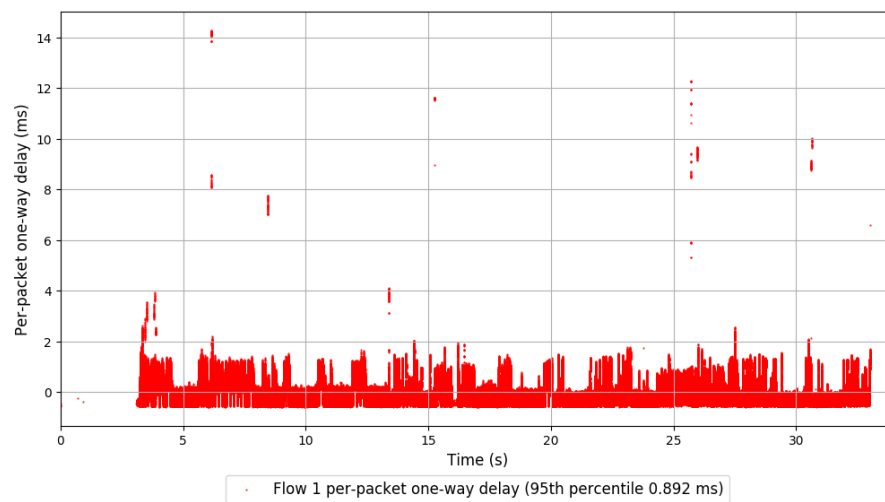
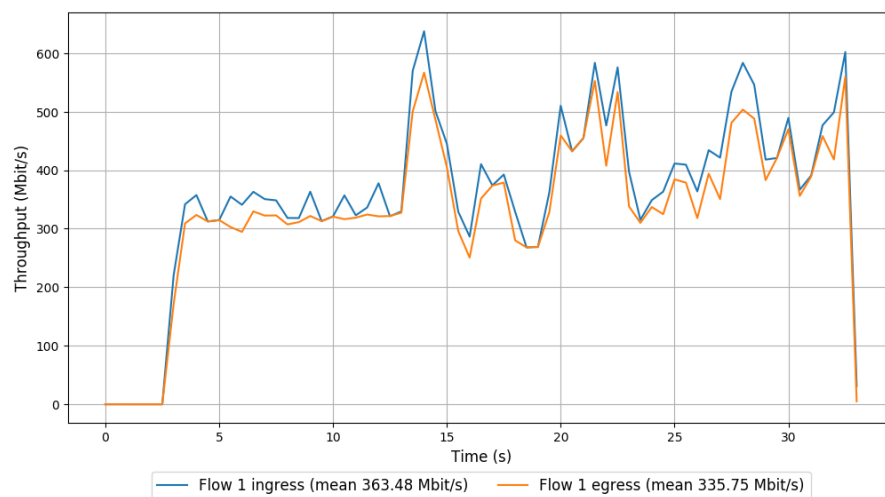
-- Flow 1:

Average throughput: 335.75 Mbit/s

95th percentile per-packet one-way delay: 0.892 ms

Loss rate: 7.67%

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



Run 9: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 07:38:00 +0000

End at: Tue, 04 Jul 2017 07:38:30 +0000

Local clock offset: -0.205 ms

Remote clock offset: -1.306 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:15:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 274.00 Mbit/s

95th percentile per-packet one-way delay: 1.288 ms

Loss rate: 7.53%

-- Flow 1:

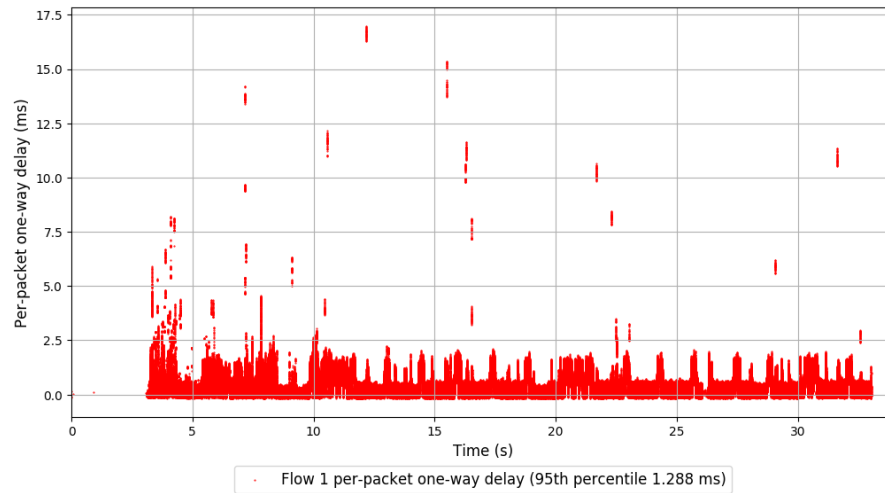
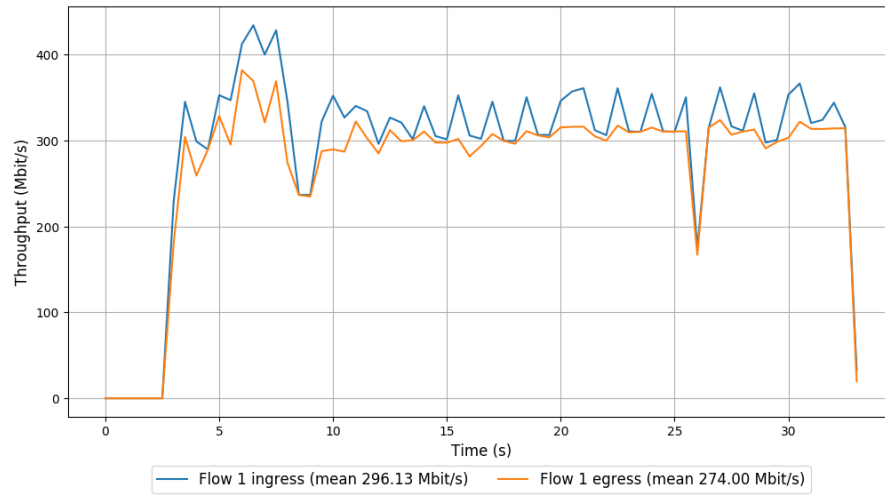
Average throughput: 274.00 Mbit/s

95th percentile per-packet one-way delay: 1.288 ms

Loss rate: 7.53%



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



Run 10: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 07:57:26 +0000

End at: Tue, 04 Jul 2017 07:57:56 +0000

Local clock offset: -0.272 ms

Remote clock offset: -1.154 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:15:28 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 263.74 Mbit/s

95th percentile per-packet one-way delay: 1.627 ms

Loss rate: 9.04%

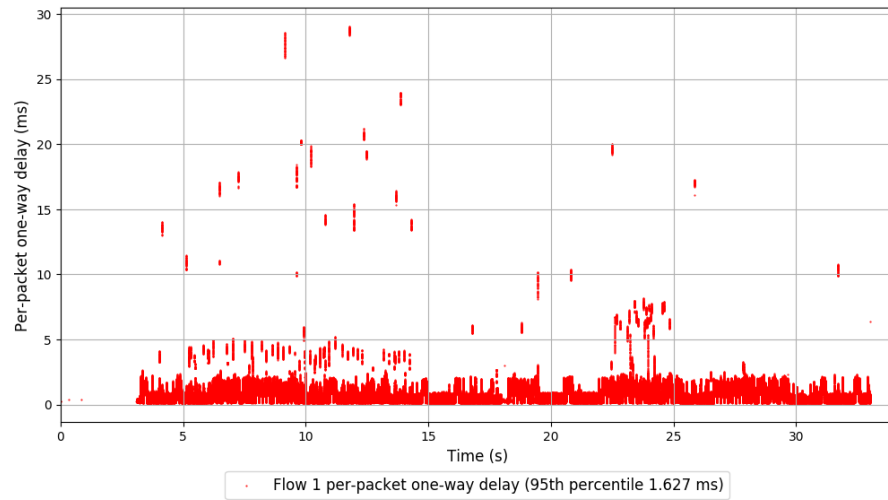
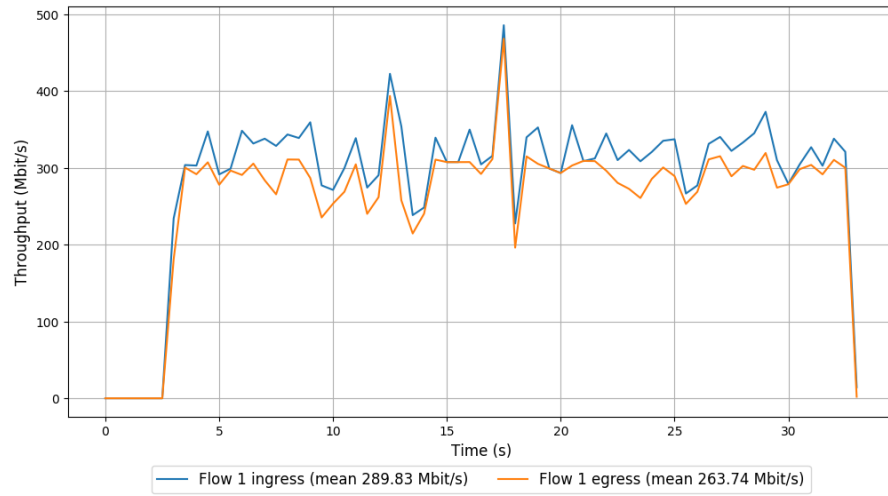
-- Flow 1:

Average throughput: 263.74 Mbit/s

95th percentile per-packet one-way delay: 1.627 ms

Loss rate: 9.04%

### Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 04:52:13 +0000

End at: Tue, 04 Jul 2017 04:52:43 +0000

Local clock offset: 1.199 ms

Remote clock offset: -1.167 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:16:13 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 332.64 Mbit/s

95th percentile per-packet one-way delay: 2.358 ms

Loss rate: 59.25%

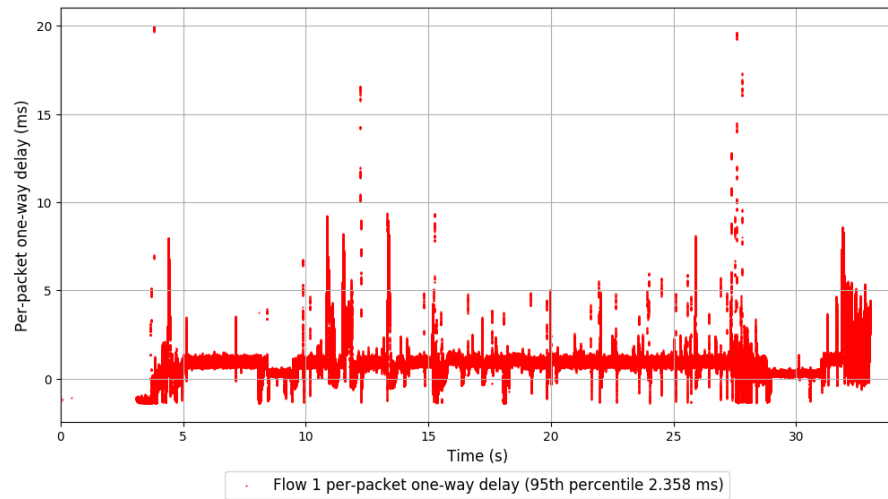
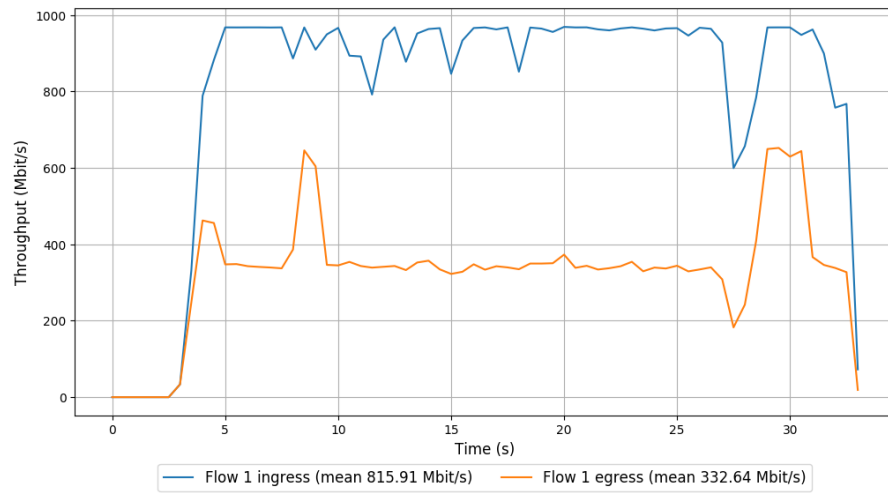
-- Flow 1:

Average throughput: 332.64 Mbit/s

95th percentile per-packet one-way delay: 2.358 ms

Loss rate: 59.25%

### Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 05:11:48 +0000

End at: Tue, 04 Jul 2017 05:12:18 +0000

Local clock offset: 1.231 ms

Remote clock offset: -0.98 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:16:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 347.43 Mbit/s

95th percentile per-packet one-way delay: 3.991 ms

Loss rate: 55.38%

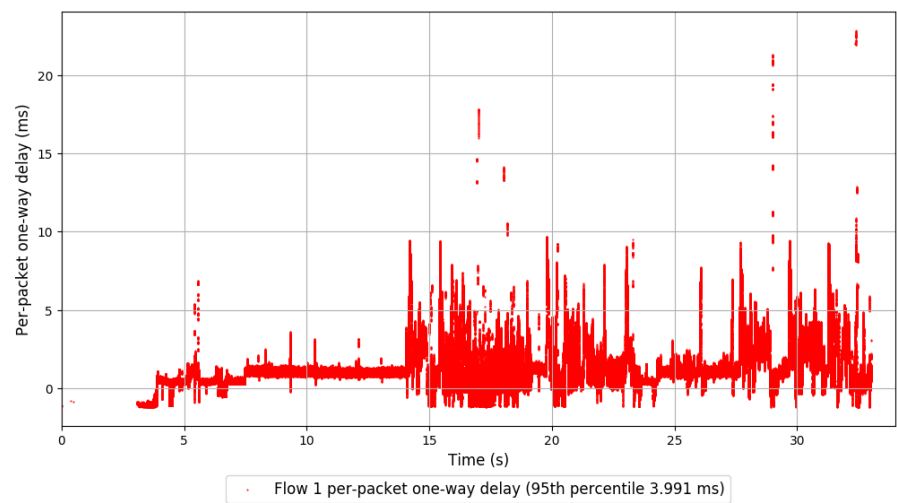
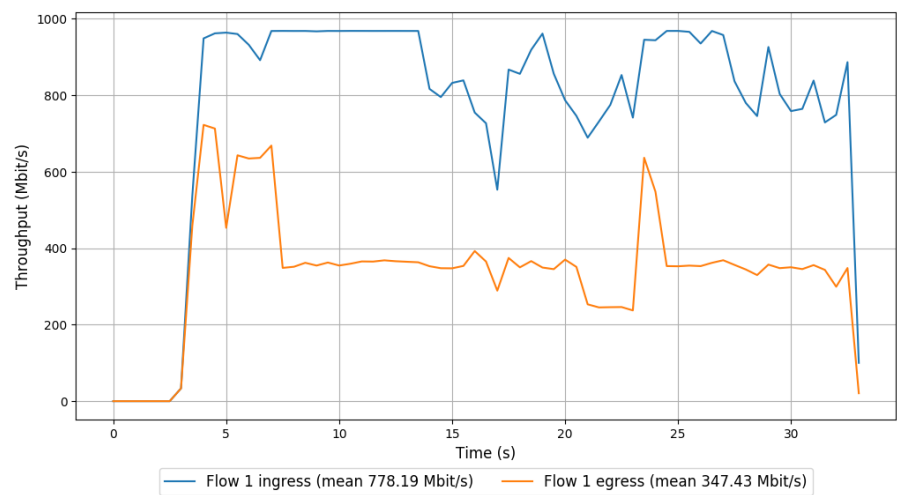
-- Flow 1:

Average throughput: 347.43 Mbit/s

95th percentile per-packet one-way delay: 3.991 ms

Loss rate: 55.38%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 05:30:33 +0000

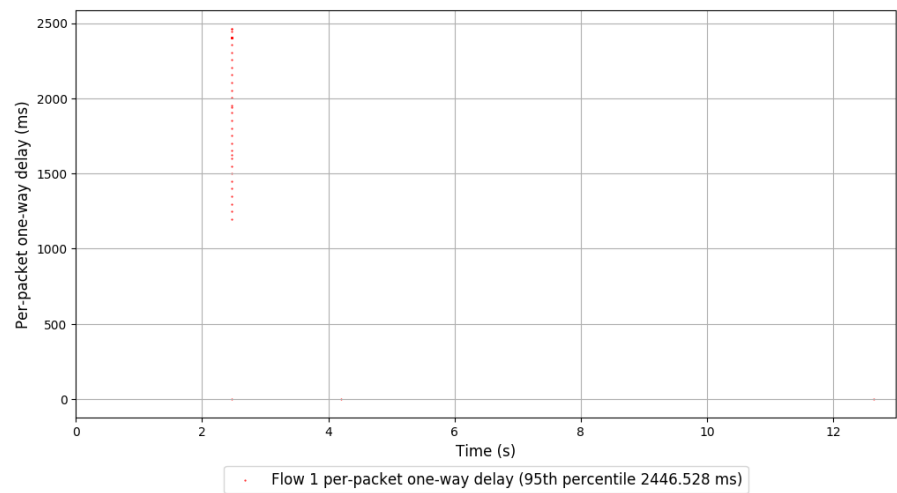
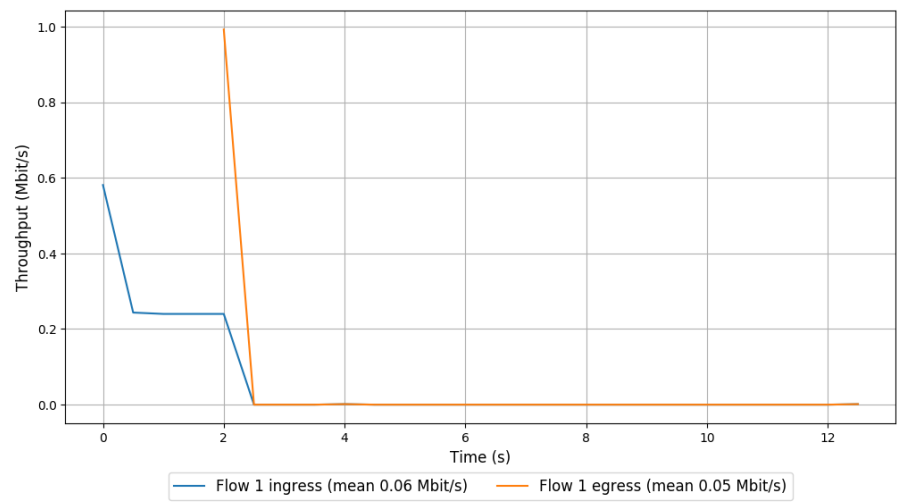
End at: Tue, 04 Jul 2017 05:31:03 +0000

Local clock offset: 1.177 ms

Remote clock offset: -1.136 ms



Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 05:48:55 +0000

End at: Tue, 04 Jul 2017 05:49:25 +0000

Local clock offset: 1.111 ms

Remote clock offset: -1.485 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:17:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 229.87 Mbit/s

95th percentile per-packet one-way delay: 3.319 ms

Loss rate: 67.10%

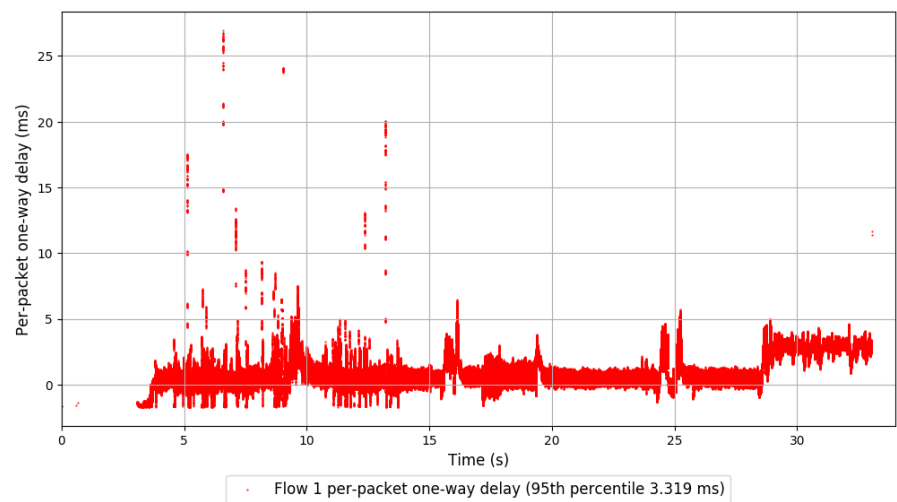
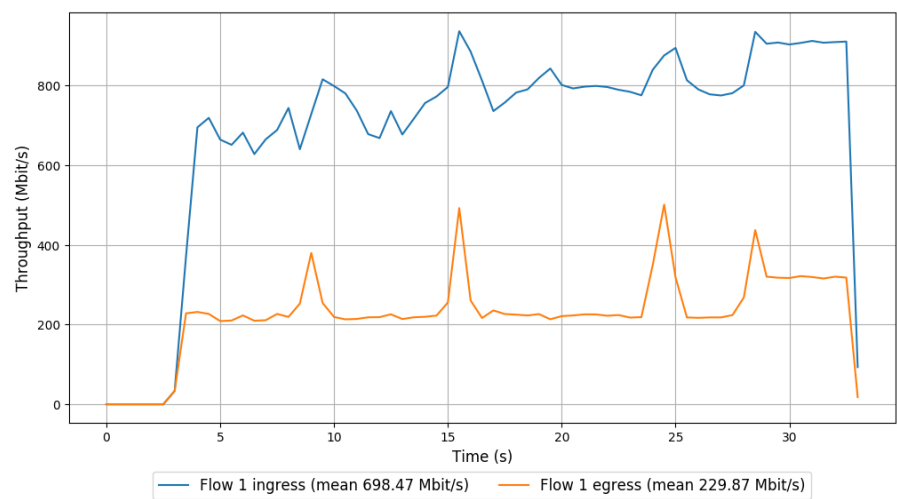
-- Flow 1:

Average throughput: 229.87 Mbit/s

95th percentile per-packet one-way delay: 3.319 ms

Loss rate: 67.10%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 06:08:27 +0000

End at: Tue, 04 Jul 2017 06:08:58 +0000

Local clock offset: 0.959 ms

Remote clock offset: -1.172 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:17:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 302.33 Mbit/s

95th percentile per-packet one-way delay: 1.660 ms

Loss rate: 64.00%

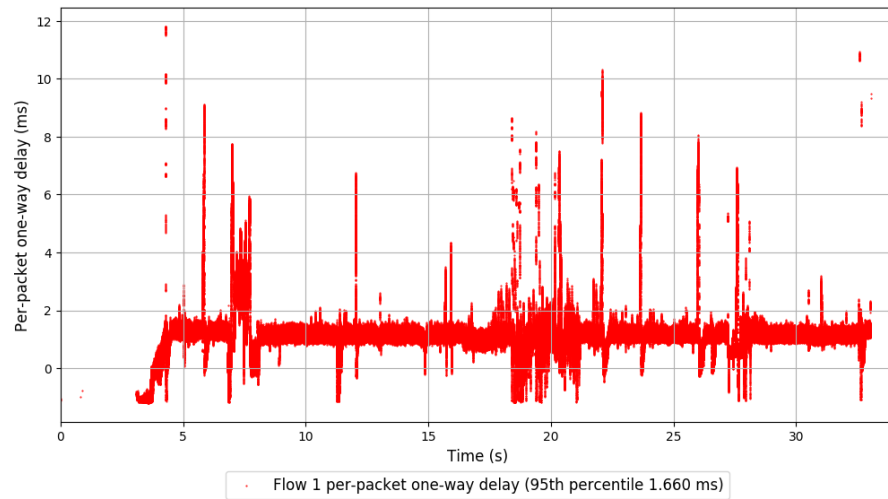
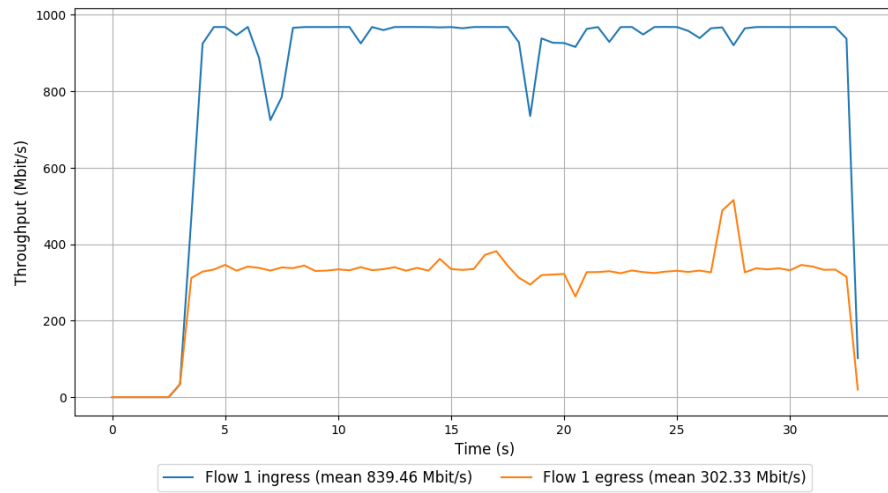
-- Flow 1:

Average throughput: 302.33 Mbit/s

95th percentile per-packet one-way delay: 1.660 ms

Loss rate: 64.00%

### Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

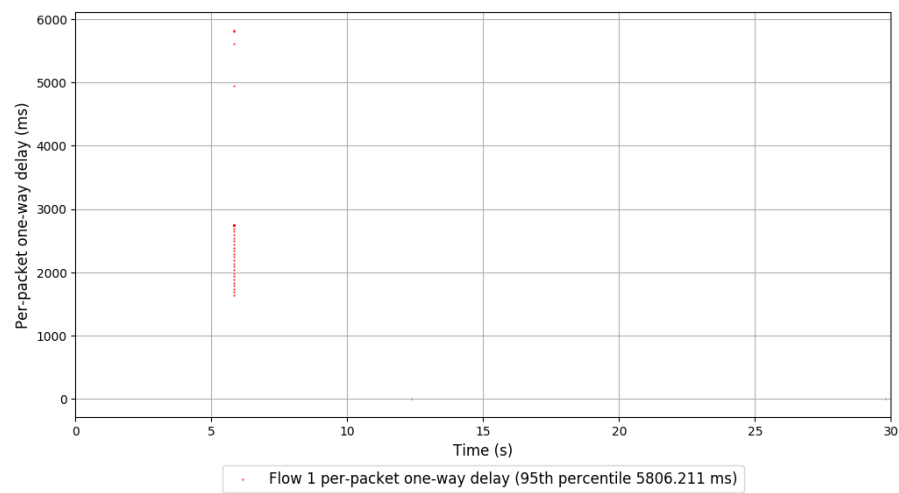
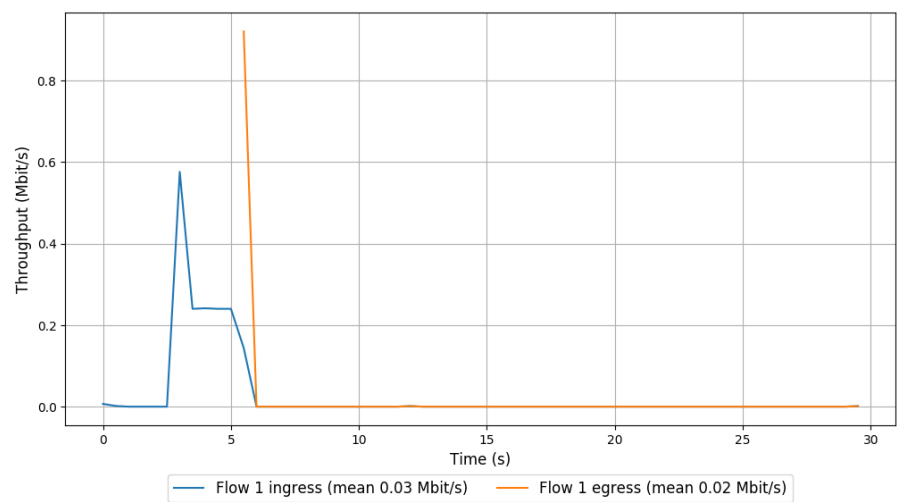
Start at: Tue, 04 Jul 2017 06:27:04 +0000

End at: Tue, 04 Jul 2017 06:27:34 +0000

Local clock offset: 0.864 ms

Remote clock offset: -0.96 ms

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 06:45:42 +0000

End at: Tue, 04 Jul 2017 06:46:12 +0000

Local clock offset: 0.474 ms

Remote clock offset: -1.375 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:18:09 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 409.68 Mbit/s

95th percentile per-packet one-way delay: 2.847 ms

Loss rate: 47.71%

-- Flow 1:

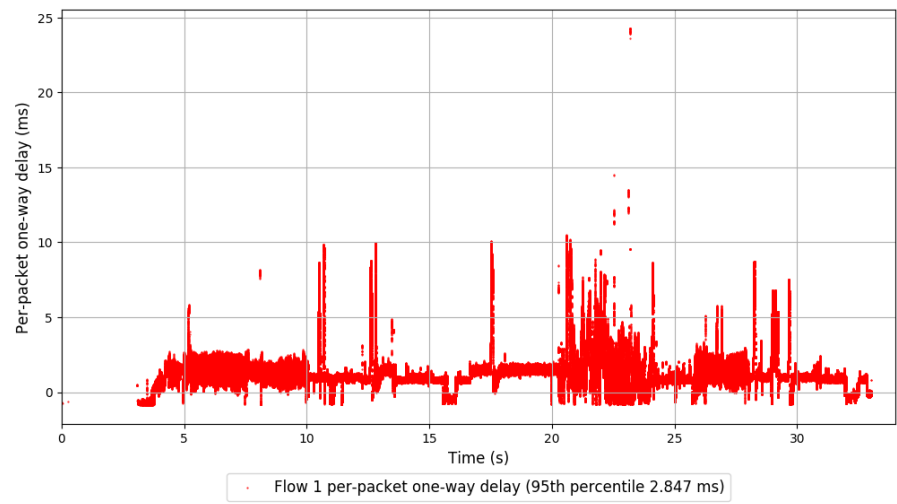
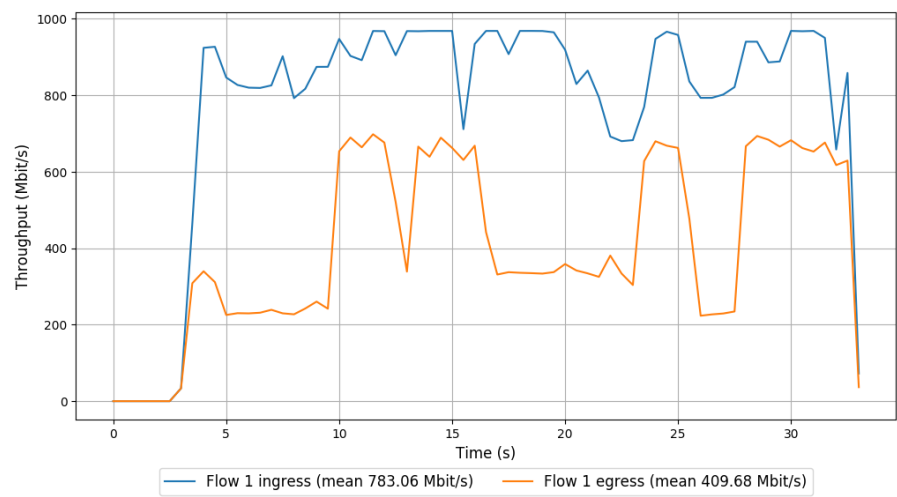
Average throughput: 409.68 Mbit/s

95th percentile per-packet one-way delay: 2.847 ms

Loss rate: 47.71%



Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 07:05:29 +0000

End at: Tue, 04 Jul 2017 07:05:59 +0000

Local clock offset: 0.272 ms

Remote clock offset: -1.287 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:18:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 304.48 Mbit/s

95th percentile per-packet one-way delay: 4.675 ms

Loss rate: 60.20%

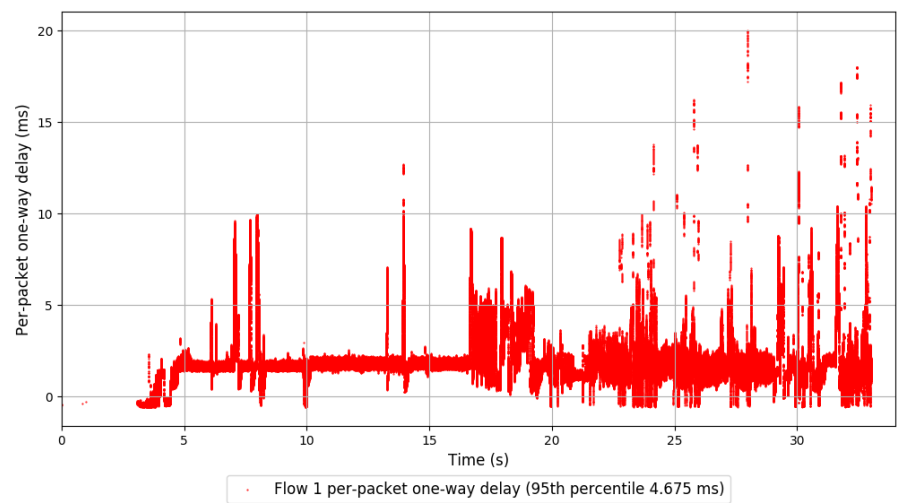
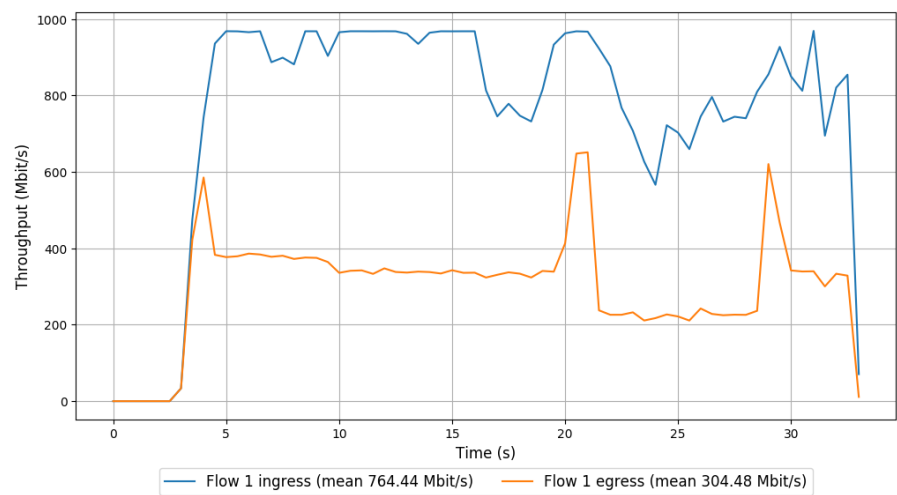
-- Flow 1:

Average throughput: 304.48 Mbit/s

95th percentile per-packet one-way delay: 4.675 ms

Loss rate: 60.20%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 07:25:02 +0000

End at: Tue, 04 Jul 2017 07:25:32 +0000

Local clock offset: -0.037 ms

Remote clock offset: -1.268 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:19:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 289.23 Mbit/s

95th percentile per-packet one-way delay: 4.364 ms

Loss rate: 60.65%

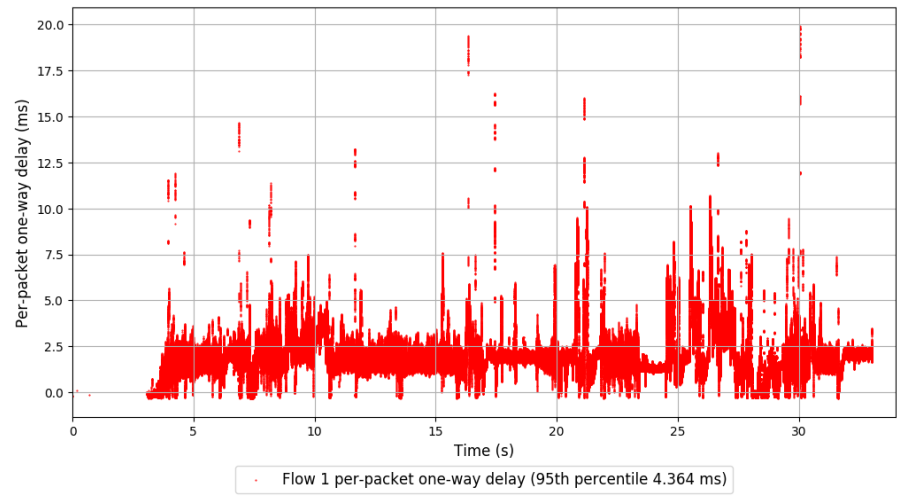
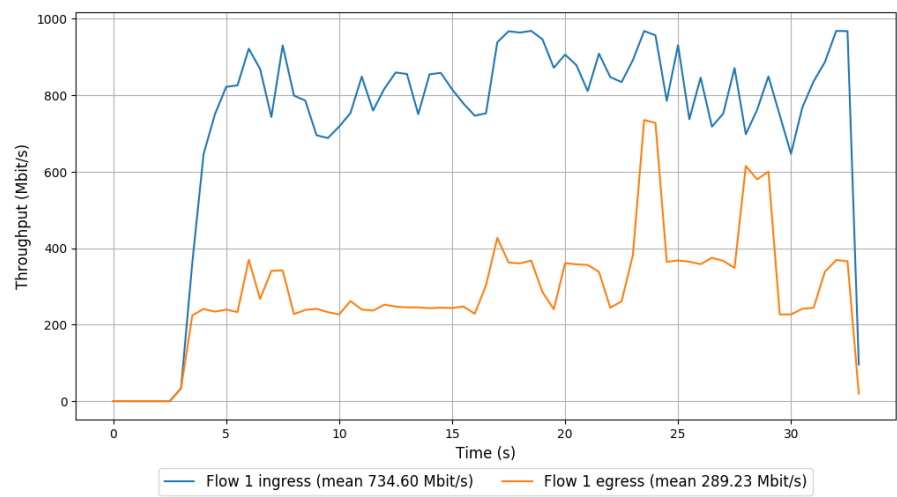
-- Flow 1:

Average throughput: 289.23 Mbit/s

95th percentile per-packet one-way delay: 4.364 ms

Loss rate: 60.65%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 07:44:29 +0000

End at: Tue, 04 Jul 2017 07:44:59 +0000

Local clock offset: -0.152 ms

Remote clock offset: -1.253 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:19:41 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 401.92 Mbit/s

95th percentile per-packet one-way delay: 2.552 ms

Loss rate: 49.78%

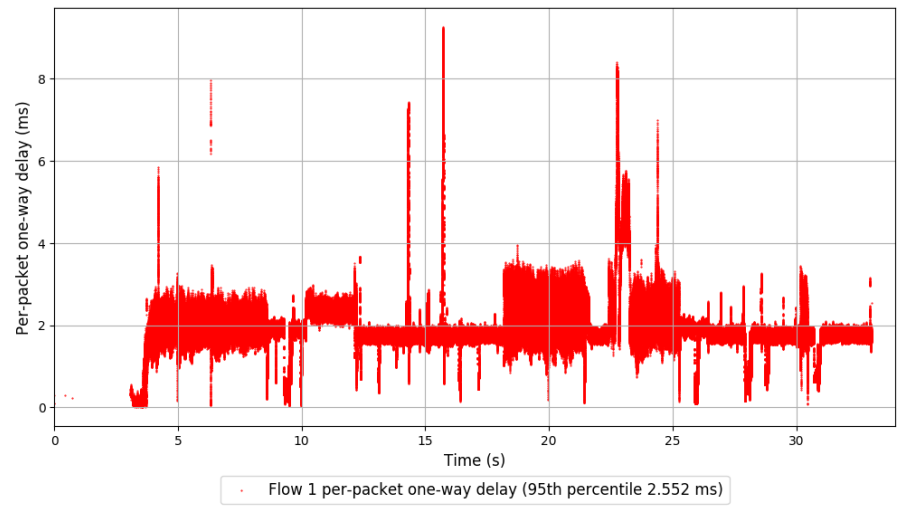
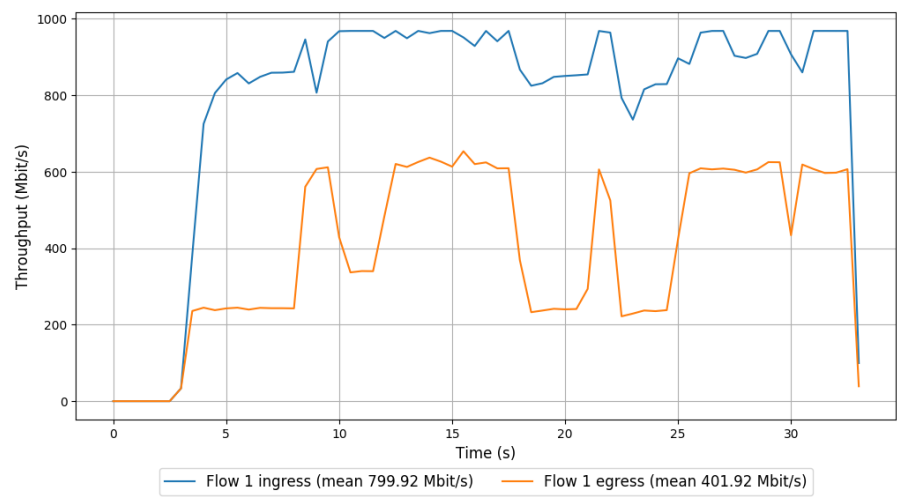
-- Flow 1:

Average throughput: 401.92 Mbit/s

95th percentile per-packet one-way delay: 2.552 ms

Loss rate: 49.78%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Tue, 04 Jul 2017 04:56:26 +0000

End at: Tue, 04 Jul 2017 04:56:56 +0000

Local clock offset: 1.248 ms

Remote clock offset: -1.033 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:19:41 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: -1.066 ms

Loss rate: 0.21%

-- Flow 1:

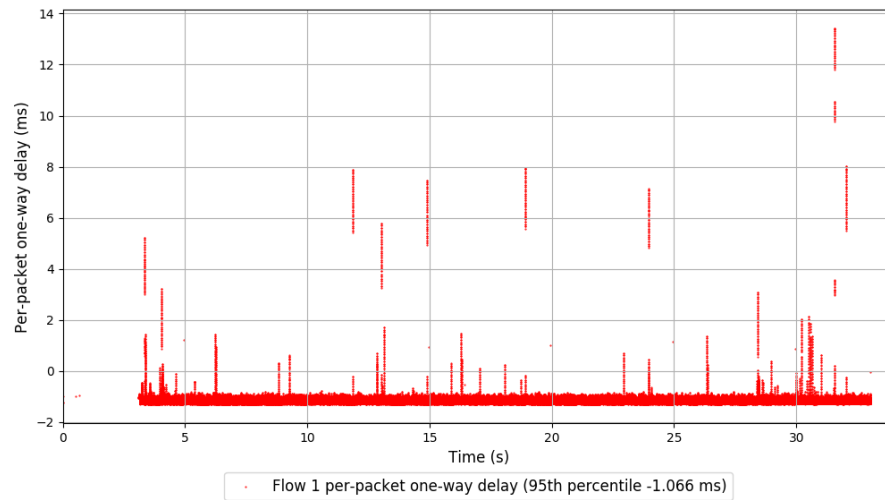
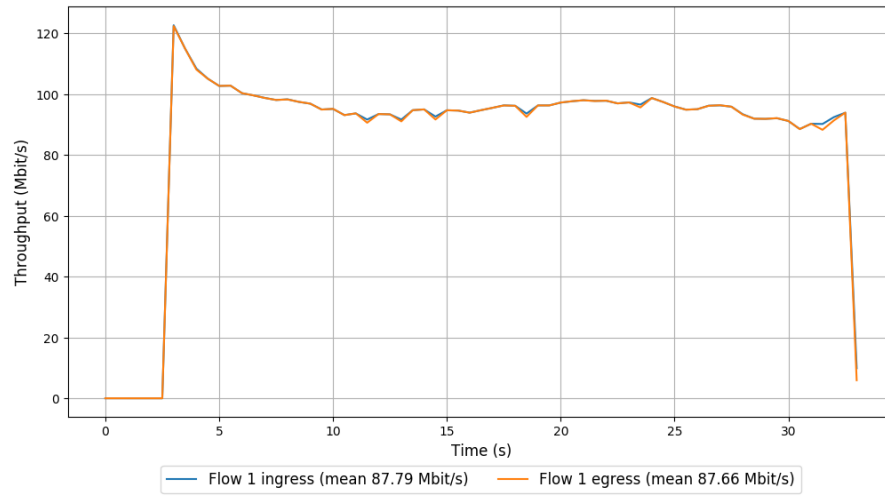
Average throughput: 87.66 Mbit/s

95th percentile per-packet one-way delay: -1.066 ms

Loss rate: 0.21%



### Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Tue, 04 Jul 2017 05:16:05 +0000

End at: Tue, 04 Jul 2017 05:16:35 +0000

Local clock offset: 1.229 ms

Remote clock offset: -1.029 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:19:53 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.07 Mbit/s

95th percentile per-packet one-way delay: -0.984 ms

Loss rate: 3.18%

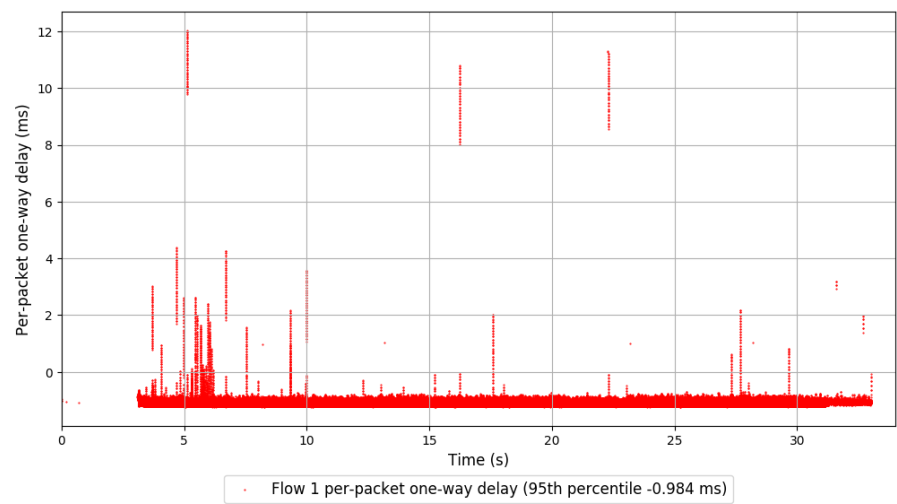
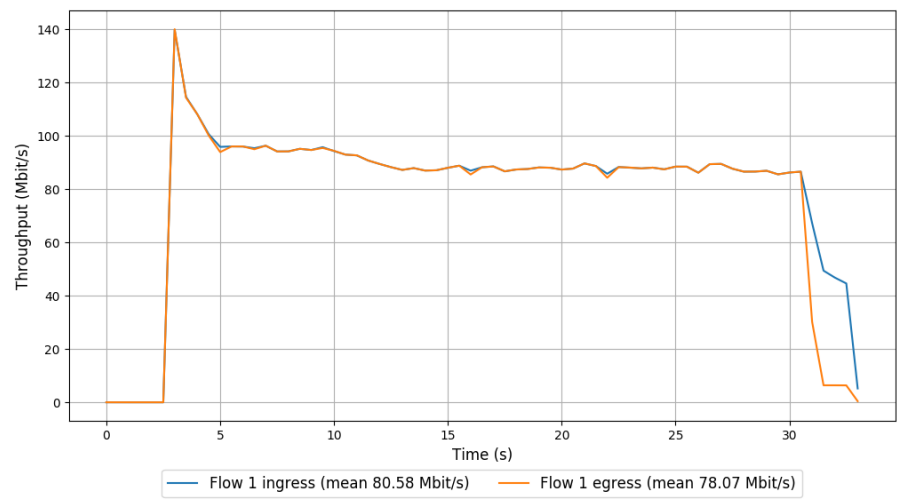
-- Flow 1:

Average throughput: 78.07 Mbit/s

95th percentile per-packet one-way delay: -0.984 ms

Loss rate: 3.18%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Tue, 04 Jul 2017 05:34:15 +0000

End at: Tue, 04 Jul 2017 05:34:45 +0000

Local clock offset: 1.09 ms

Remote clock offset: -1.13 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:19:53 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.80 Mbit/s

95th percentile per-packet one-way delay: -1.119 ms

Loss rate: 88.83%

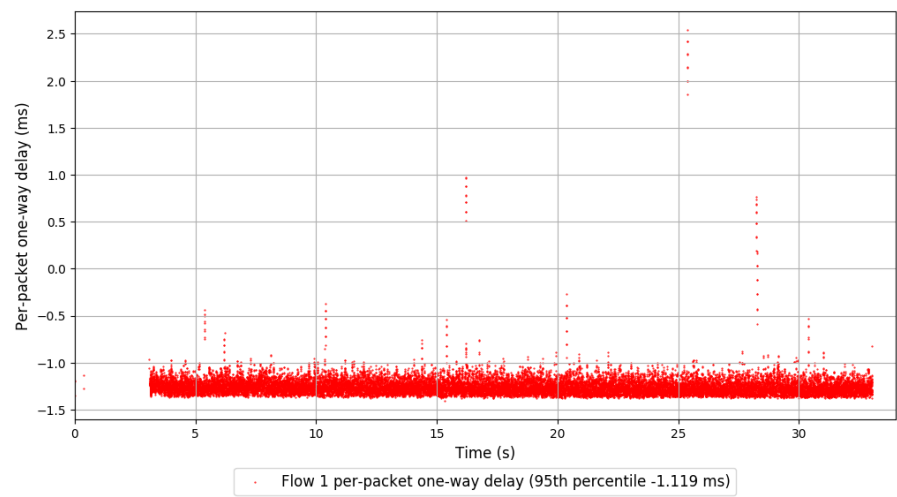
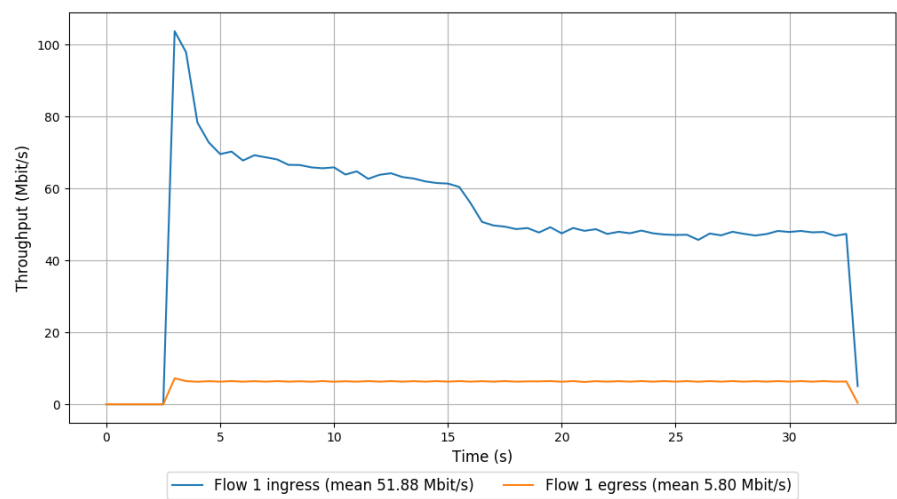
-- Flow 1:

Average throughput: 5.80 Mbit/s

95th percentile per-packet one-way delay: -1.119 ms

Loss rate: 88.83%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Tue, 04 Jul 2017 05:53:03 +0000

End at: Tue, 04 Jul 2017 05:53:33 +0000

Local clock offset: 1.24 ms

Remote clock offset: -1.523 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:20:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.80 Mbit/s

95th percentile per-packet one-way delay: -1.431 ms

Loss rate: 0.67%

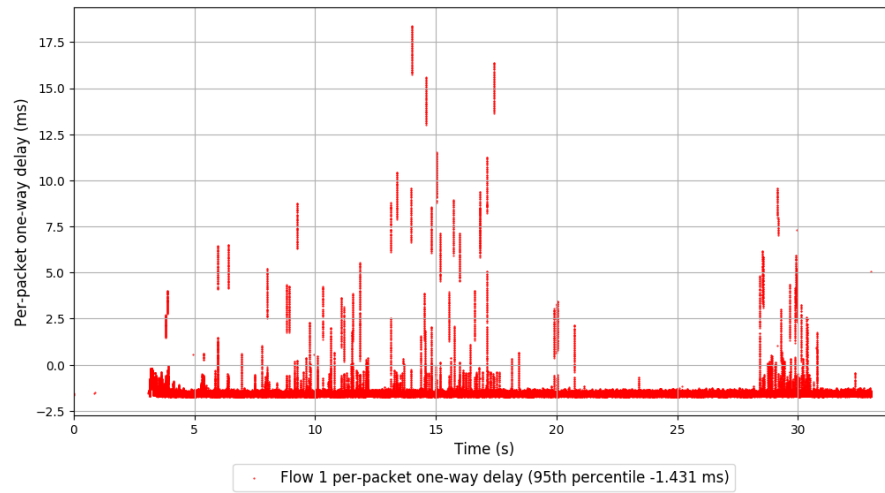
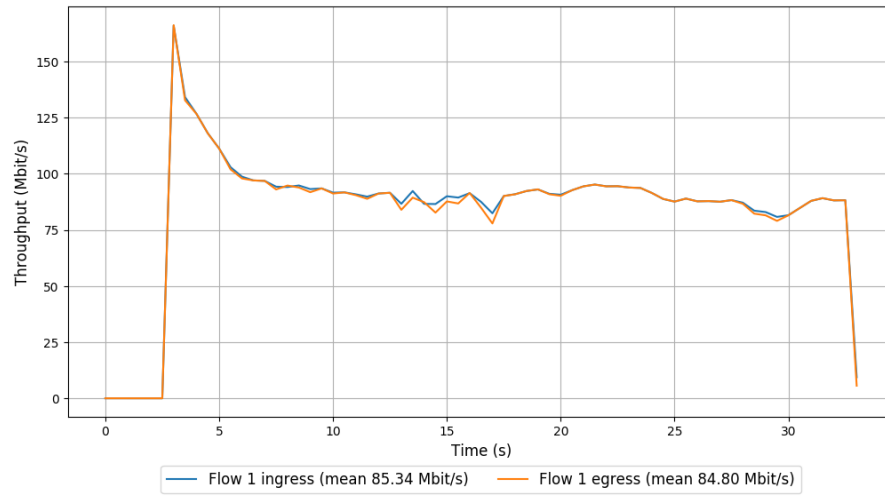
-- Flow 1:

Average throughput: 84.80 Mbit/s

95th percentile per-packet one-way delay: -1.431 ms

Loss rate: 0.67%

#### Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Tue, 04 Jul 2017 06:12:42 +0000

End at: Tue, 04 Jul 2017 06:13:12 +0000

Local clock offset: 0.999 ms

Remote clock offset: -1.109 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:20:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.44 Mbit/s

95th percentile per-packet one-way delay: -0.814 ms

Loss rate: 20.13%

-- Flow 1:

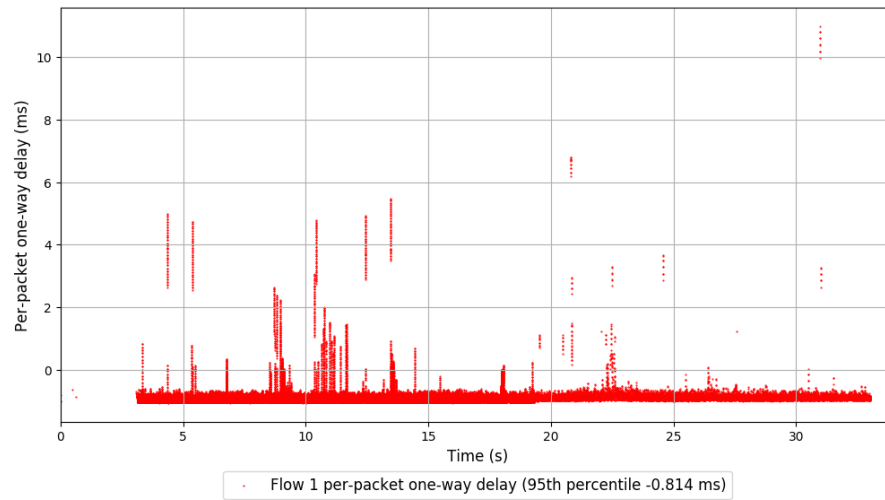
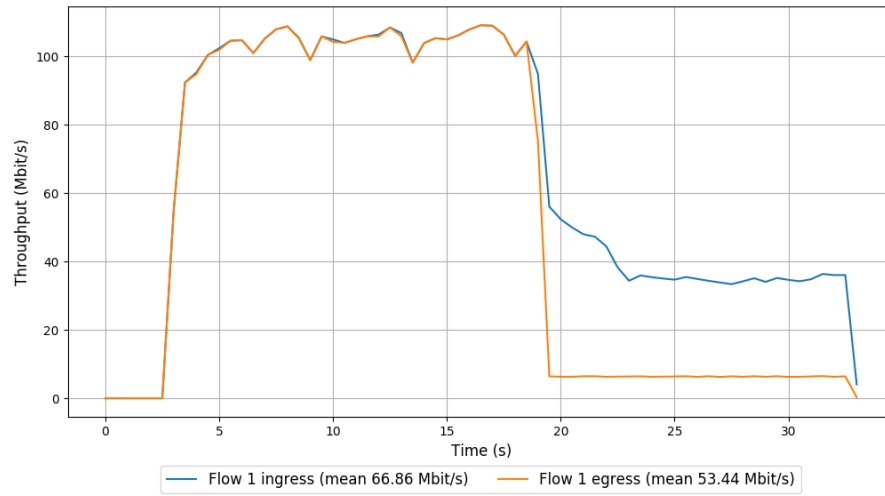
Average throughput: 53.44 Mbit/s

95th percentile per-packet one-way delay: -0.814 ms

Loss rate: 20.13%



## Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Tue, 04 Jul 2017 06:30:55 +0000

End at: Tue, 04 Jul 2017 06:31:25 +0000

Local clock offset: 0.738 ms

Remote clock offset: -1.041 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:20:15 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.80 Mbit/s

95th percentile per-packet one-way delay: -0.506 ms

Loss rate: 89.33%

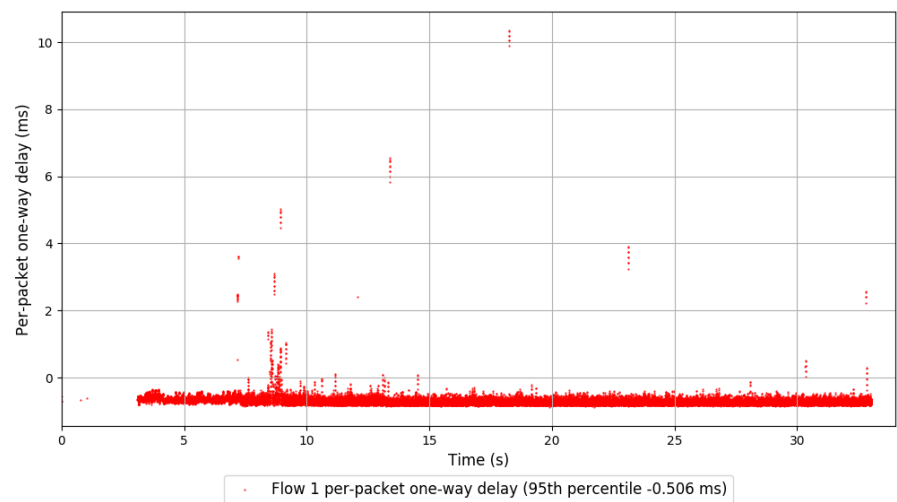
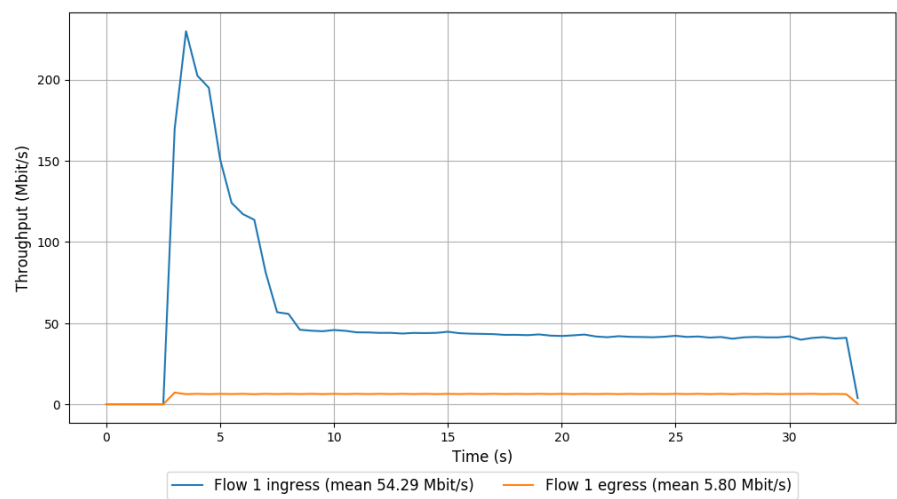
-- Flow 1:

Average throughput: 5.80 Mbit/s

95th percentile per-packet one-way delay: -0.506 ms

Loss rate: 89.33%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Tue, 04 Jul 2017 06:50:04 +0000

End at: Tue, 04 Jul 2017 06:50:34 +0000

Local clock offset: 0.503 ms

Remote clock offset: -1.342 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:20:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: -0.501 ms

Loss rate: 1.35%

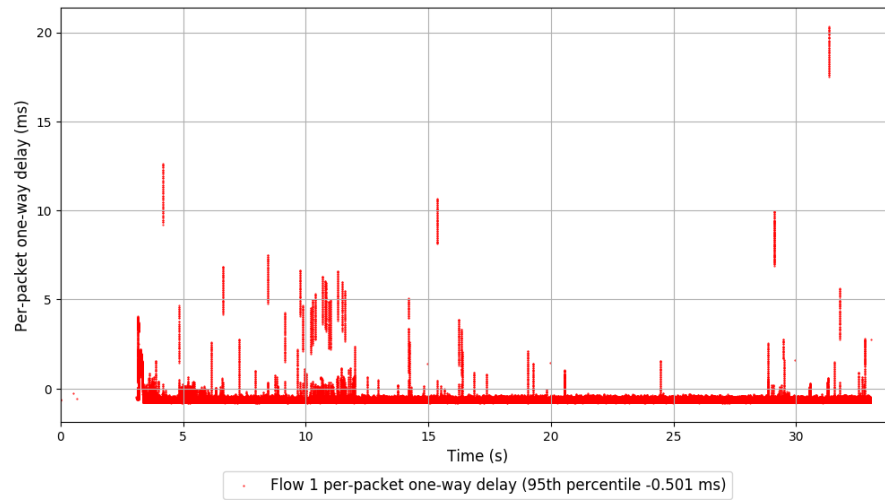
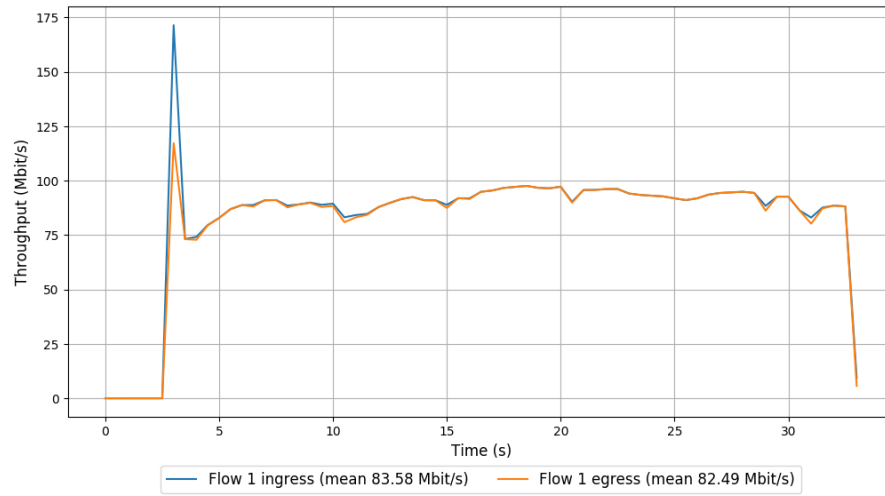
-- Flow 1:

Average throughput: 82.49 Mbit/s

95th percentile per-packet one-way delay: -0.501 ms

Loss rate: 1.35%

## Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Tue, 04 Jul 2017 07:09:40 +0000

End at: Tue, 04 Jul 2017 07:10:10 +0000

Local clock offset: 0.146 ms

Remote clock offset: -1.23 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:20:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.22 Mbit/s

95th percentile per-packet one-way delay: -0.228 ms

Loss rate: 0.27%

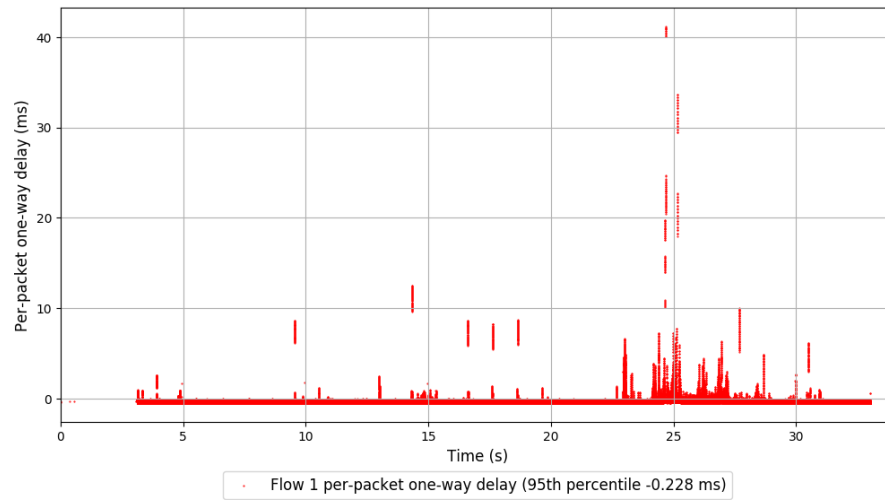
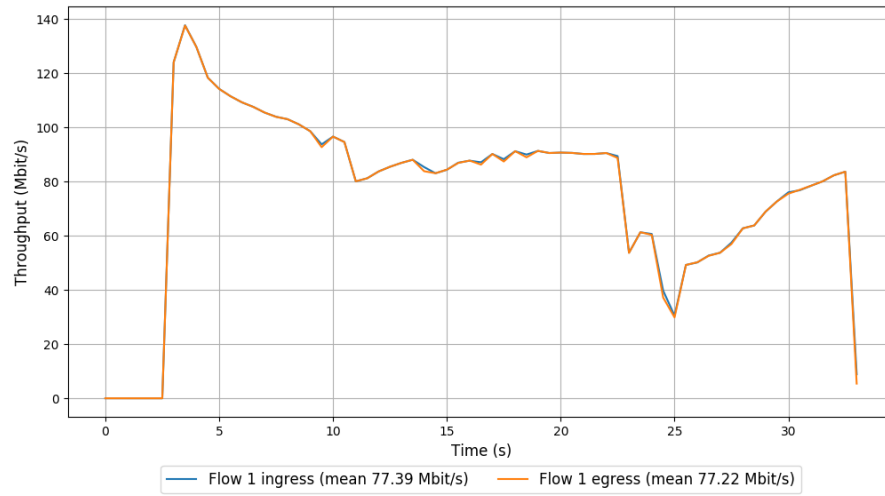
-- Flow 1:

Average throughput: 77.22 Mbit/s

95th percentile per-packet one-way delay: -0.228 ms

Loss rate: 0.27%

## Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Tue, 04 Jul 2017 07:29:11 +0000

End at: Tue, 04 Jul 2017 07:29:41 +0000

Local clock offset: -0.081 ms

Remote clock offset: -1.251 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:20:53 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.12 Mbit/s

95th percentile per-packet one-way delay: 0.055 ms

Loss rate: 0.11%

-- Flow 1:

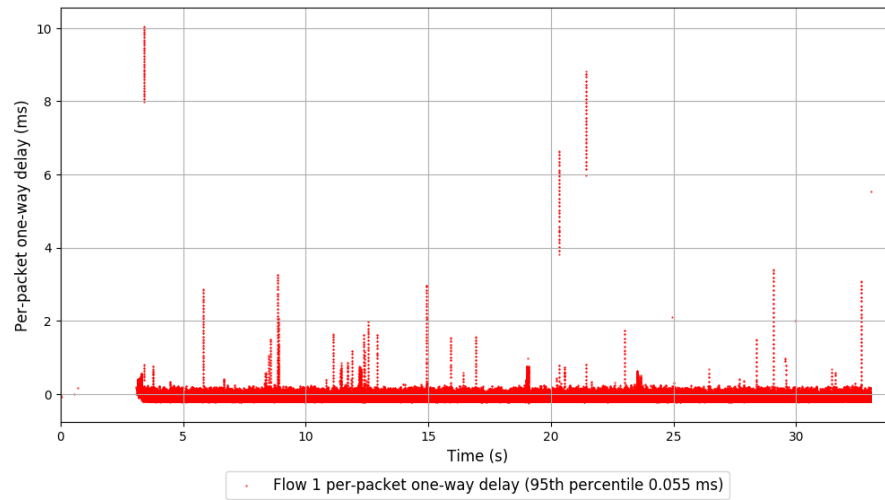
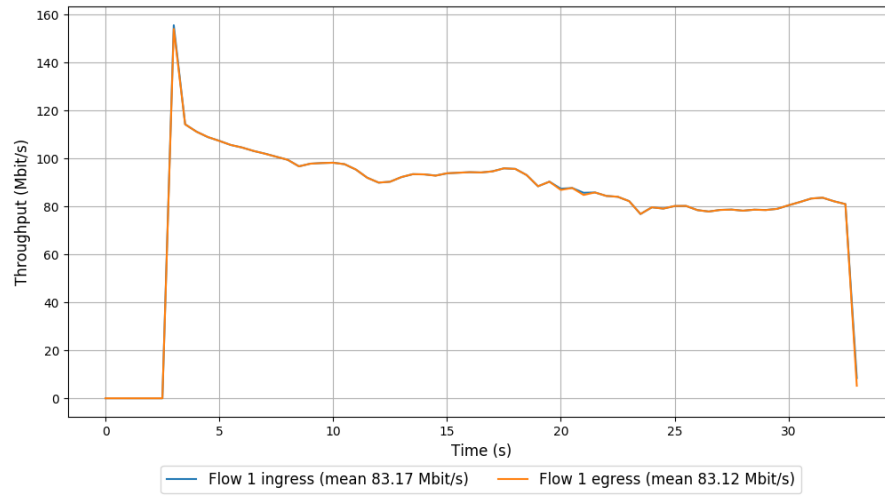
Average throughput: 83.12 Mbit/s

95th percentile per-packet one-way delay: 0.055 ms

Loss rate: 0.11%



### Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Tue, 04 Jul 2017 07:48:44 +0000

End at: Tue, 04 Jul 2017 07:49:14 +0000

Local clock offset: -0.295 ms

Remote clock offset: -1.159 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:21:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.28 Mbit/s

95th percentile per-packet one-way delay: 0.409 ms

Loss rate: 0.40%

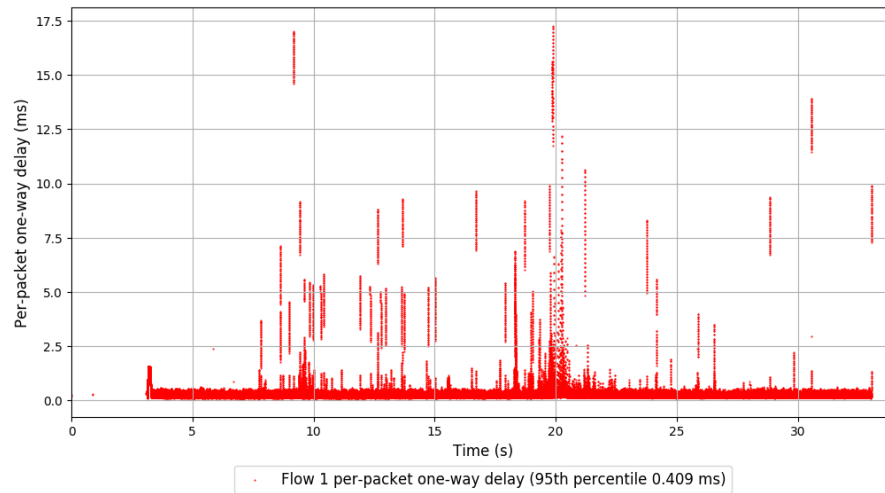
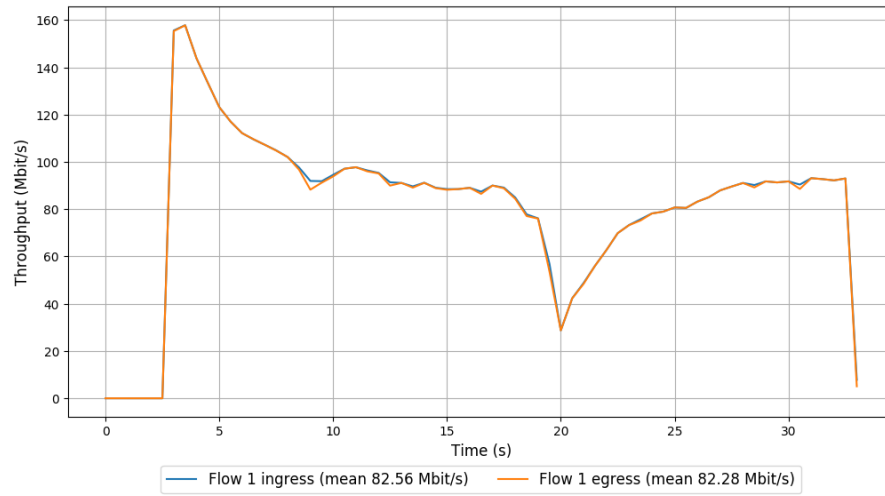
-- Flow 1:

Average throughput: 82.28 Mbit/s

95th percentile per-packet one-way delay: 0.409 ms

Loss rate: 0.40%

## Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 05:02:55 +0000

End at: Tue, 04 Jul 2017 05:03:25 +0000

Local clock offset: 1.181 ms

Remote clock offset: -0.984 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:21:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.75 Mbit/s

95th percentile per-packet one-way delay: -0.859 ms

Loss rate: 0.30%

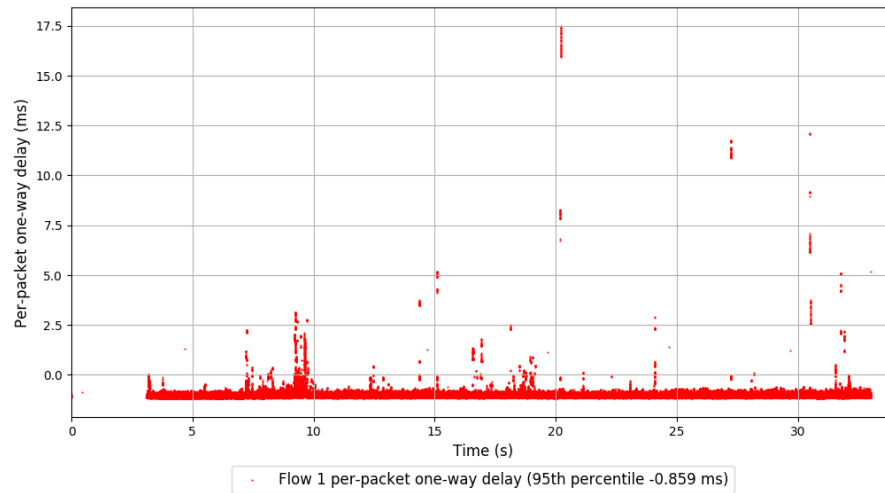
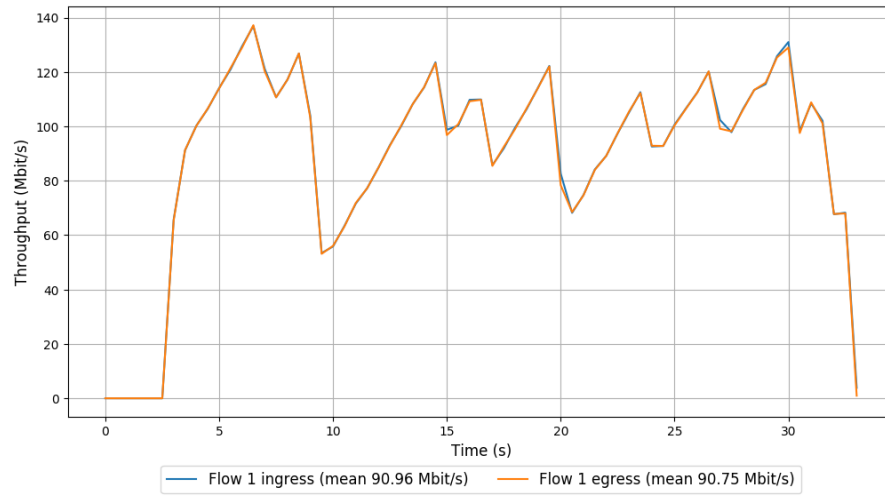
-- Flow 1:

Average throughput: 90.75 Mbit/s

95th percentile per-packet one-way delay: -0.859 ms

Loss rate: 0.30%

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



Run 2: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 05:22:16 +0000

End at: Tue, 04 Jul 2017 05:22:46 +0000

Local clock offset: 1.227 ms

Remote clock offset: -1.003 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:21:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.60 Mbit/s

95th percentile per-packet one-way delay: -0.865 ms

Loss rate: 3.91%

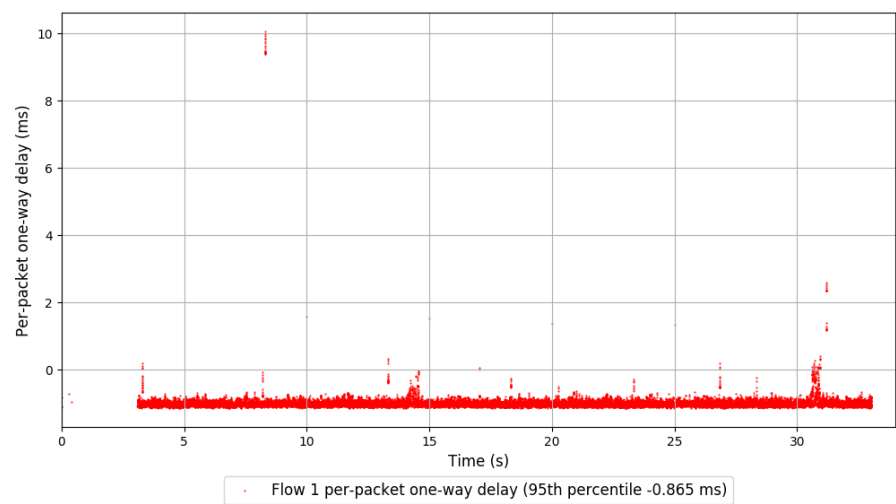
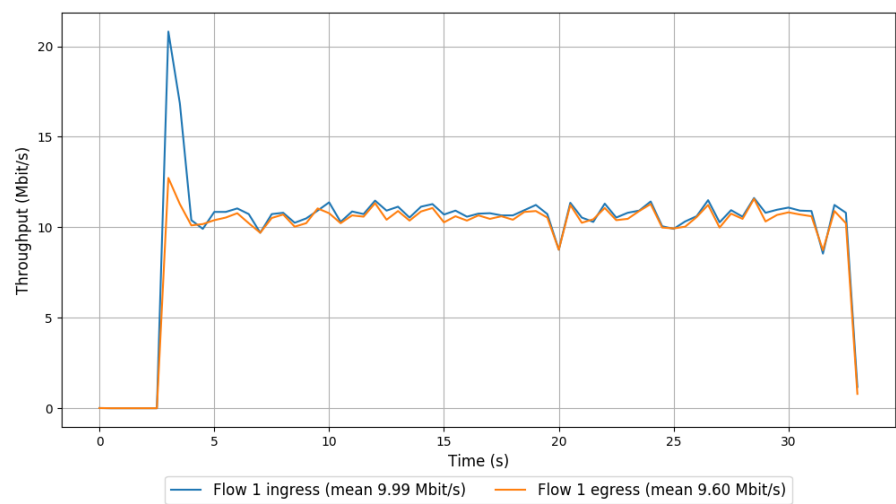
-- Flow 1:

Average throughput: 9.60 Mbit/s

95th percentile per-packet one-way delay: -0.865 ms

Loss rate: 3.91%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 05:40:15 +0000

End at: Tue, 04 Jul 2017 05:40:45 +0000

Local clock offset: 1.195 ms

Remote clock offset: -1.286 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:21:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.48 Mbit/s

95th percentile per-packet one-way delay: -1.242 ms

Loss rate: 2.66%

-- Flow 1:

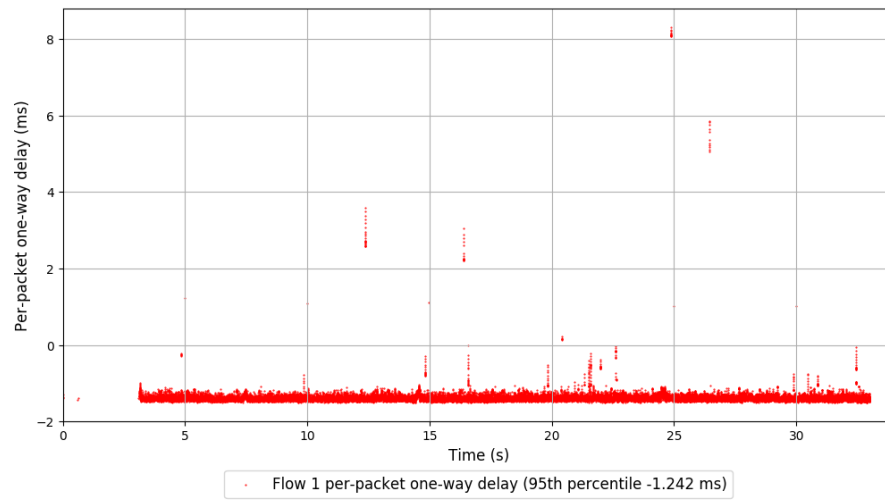
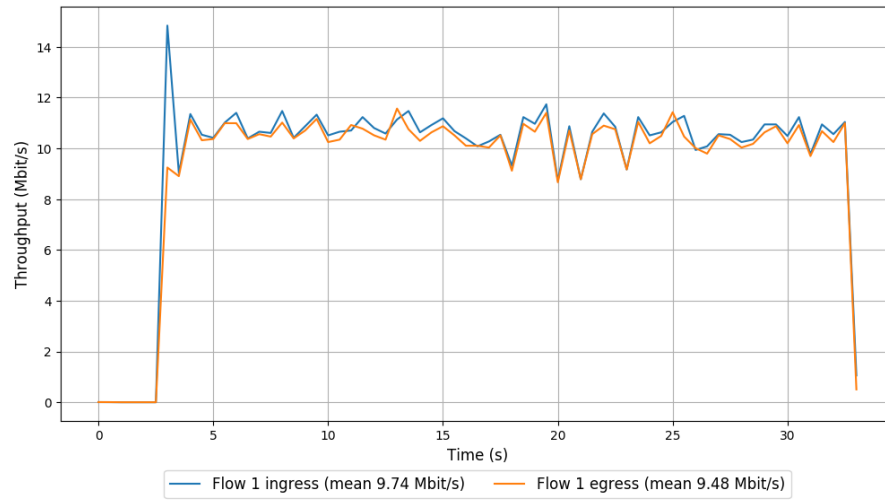
Average throughput: 9.48 Mbit/s

95th percentile per-packet one-way delay: -1.242 ms

Loss rate: 2.66%



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



Run 4: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 05:59:32 +0000

End at: Tue, 04 Jul 2017 06:00:02 +0000

Local clock offset: 1.042 ms

Remote clock offset: -1.412 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:21:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 125.11 Mbit/s

95th percentile per-packet one-way delay: -1.066 ms

Loss rate: 0.15%

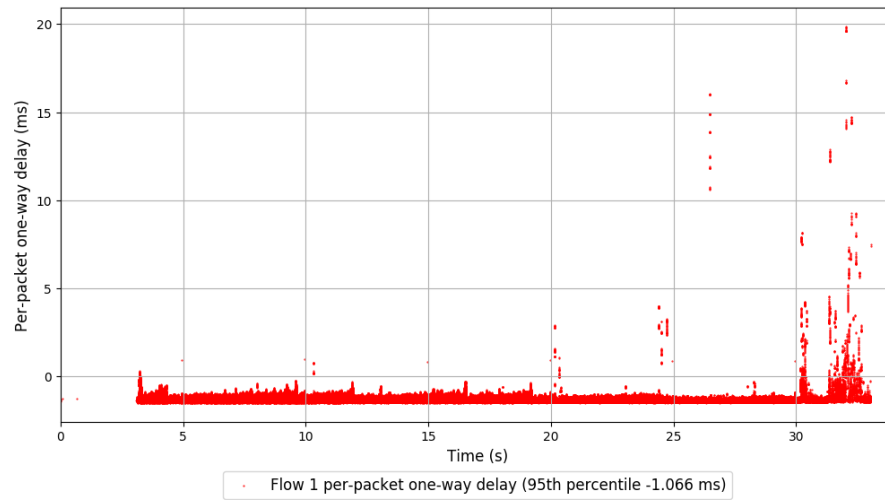
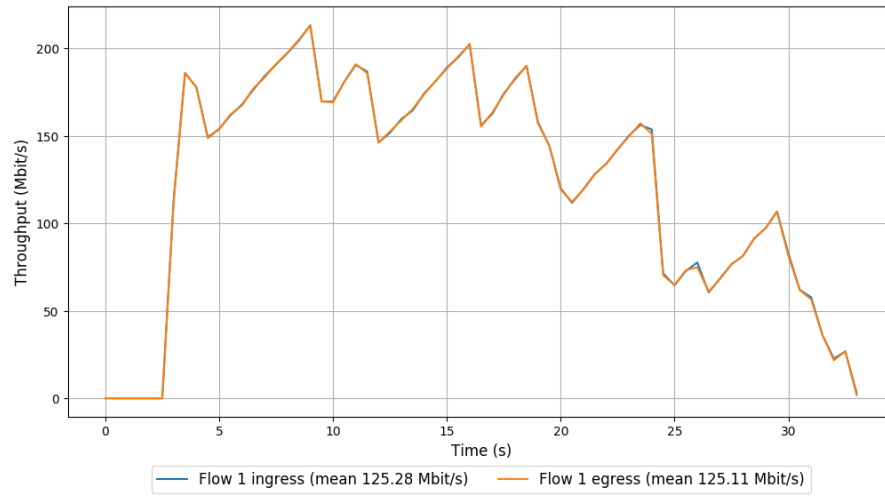
-- Flow 1:

Average throughput: 125.11 Mbit/s

95th percentile per-packet one-way delay: -1.066 ms

Loss rate: 0.15%

#### Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 06:18:47 +0000

End at: Tue, 04 Jul 2017 06:19:17 +0000

Local clock offset: 0.898 ms

Remote clock offset: -0.951 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:21:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: -0.550 ms

Loss rate: 2.61%

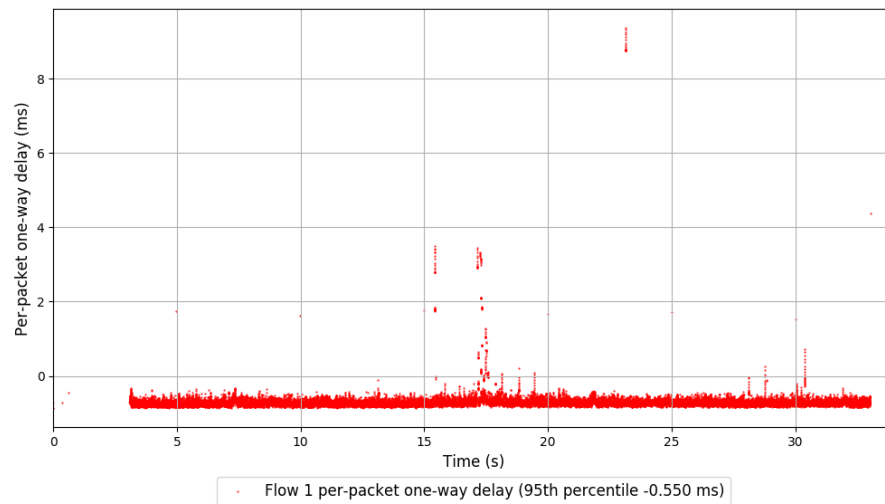
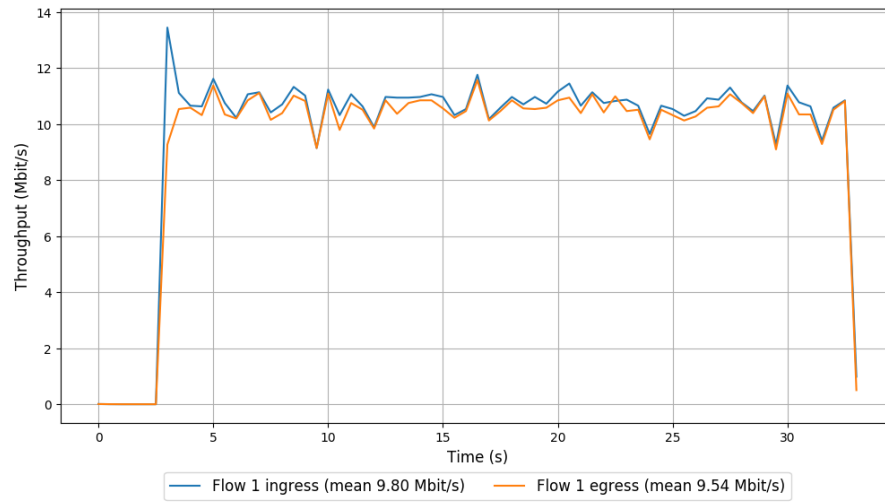
-- Flow 1:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: -0.550 ms

Loss rate: 2.61%

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



Run 6: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 06:36:56 +0000

End at: Tue, 04 Jul 2017 06:37:26 +0000

Local clock offset: 0.695 ms

Remote clock offset: -1.262 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:21:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: -0.571 ms

Loss rate: 4.56%

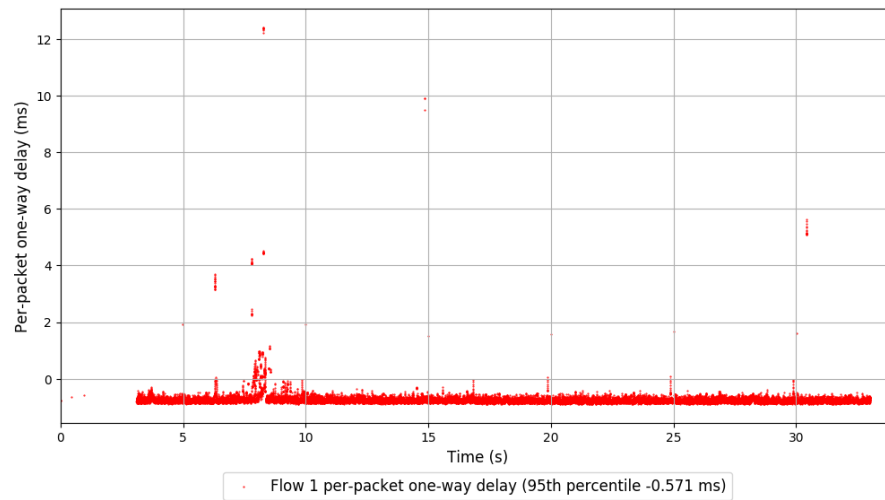
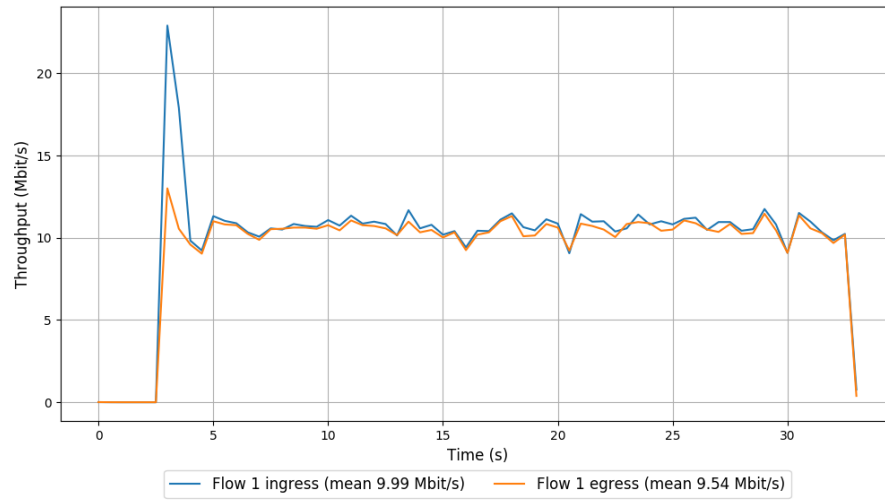
-- Flow 1:

Average throughput: 9.54 Mbit/s

95th percentile per-packet one-way delay: -0.571 ms

Loss rate: 4.56%

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



Run 7: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 06:56:27 +0000

End at: Tue, 04 Jul 2017 06:56:57 +0000

Local clock offset: 0.402 ms

Remote clock offset: -1.349 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:21:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 116.32 Mbit/s

95th percentile per-packet one-way delay: -0.296 ms

Loss rate: 0.26%

-- Flow 1:

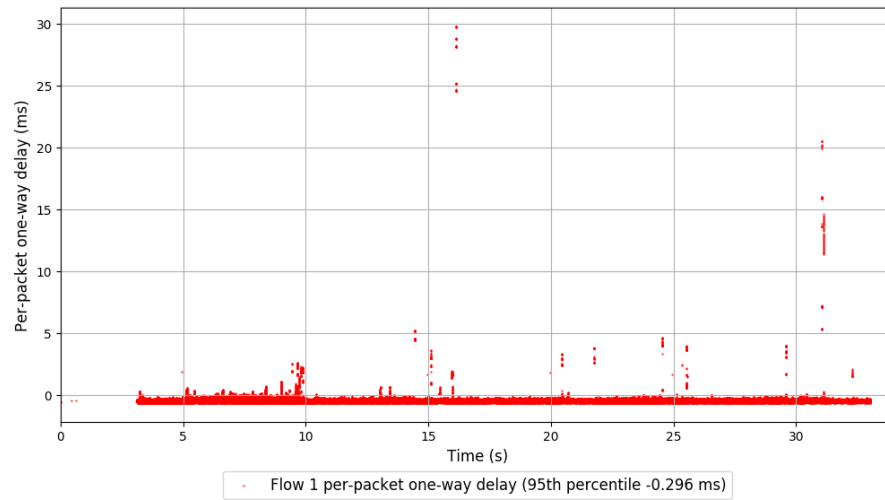
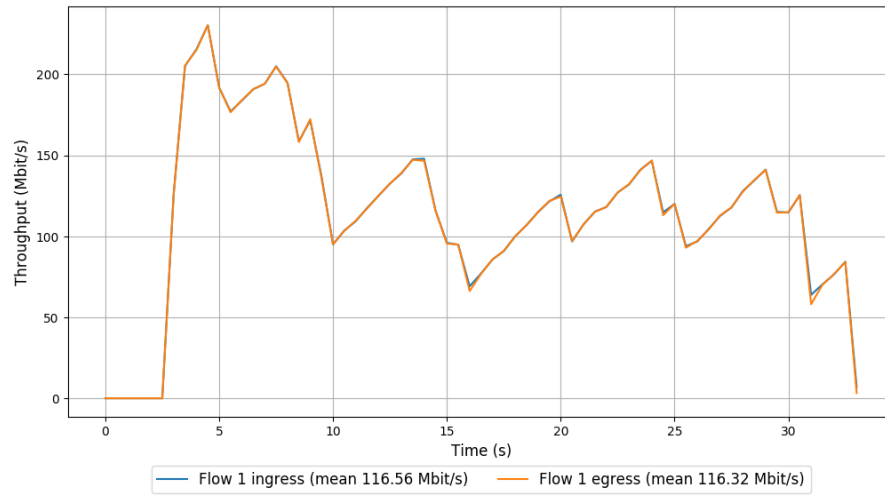
Average throughput: 116.32 Mbit/s

95th percentile per-packet one-way delay: -0.296 ms

Loss rate: 0.26%



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



Run 8: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 07:16:03 +0000

End at: Tue, 04 Jul 2017 07:16:33 +0000

Local clock offset: 0.062 ms

Remote clock offset: -1.351 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:21:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.68 Mbit/s

95th percentile per-packet one-way delay: -0.199 ms

Loss rate: 0.35%

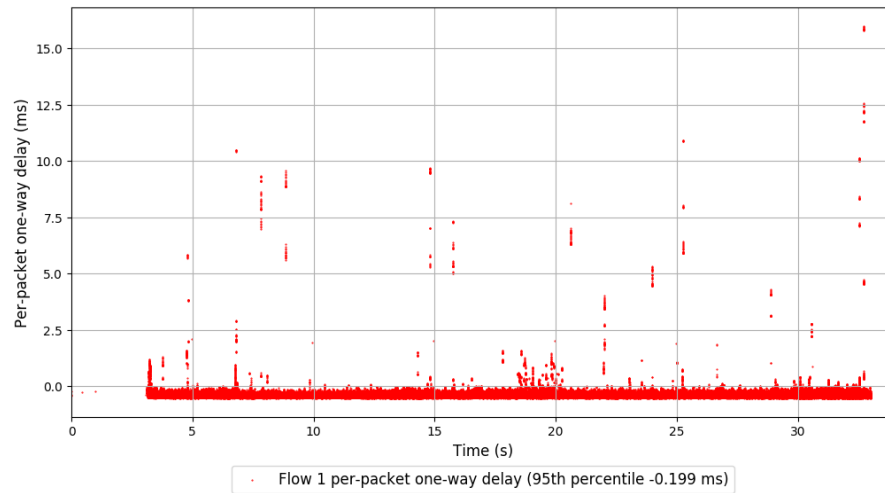
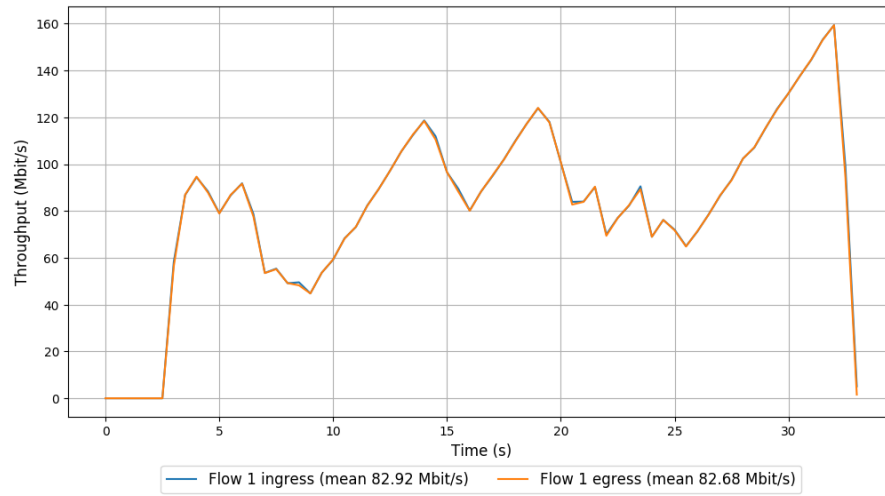
-- Flow 1:

Average throughput: 82.68 Mbit/s

95th percentile per-packet one-way delay: -0.199 ms

Loss rate: 0.35%

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



Run 9: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 07:35:34 +0000

End at: Tue, 04 Jul 2017 07:36:04 +0000

Local clock offset: -0.072 ms

Remote clock offset: -1.377 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:21:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 104.32 Mbit/s

95th percentile per-packet one-way delay: 0.160 ms

Loss rate: 0.28%

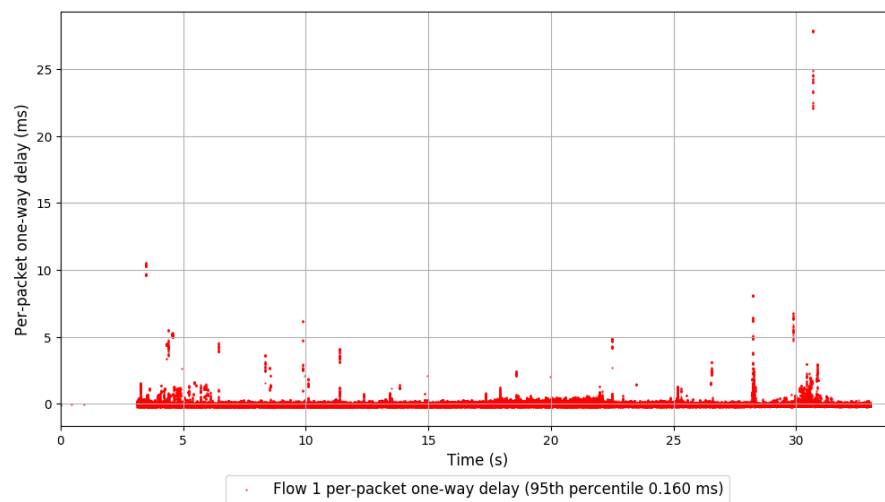
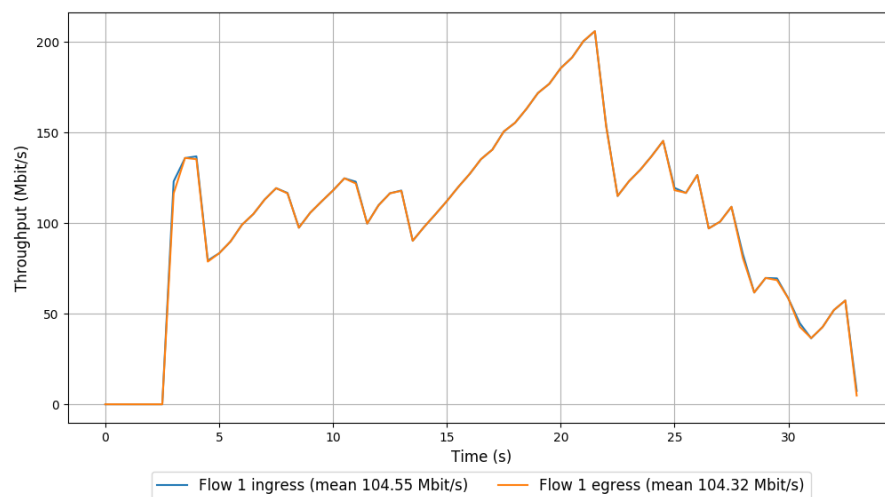
-- Flow 1:

Average throughput: 104.32 Mbit/s

95th percentile per-packet one-way delay: 0.160 ms

Loss rate: 0.28%

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



Run 10: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 07:55:00 +0000

End at: Tue, 04 Jul 2017 07:55:30 +0000

Local clock offset: -0.229 ms

Remote clock offset: -1.138 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:21:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.66 Mbit/s

95th percentile per-packet one-way delay: 0.510 ms

Loss rate: 0.45%

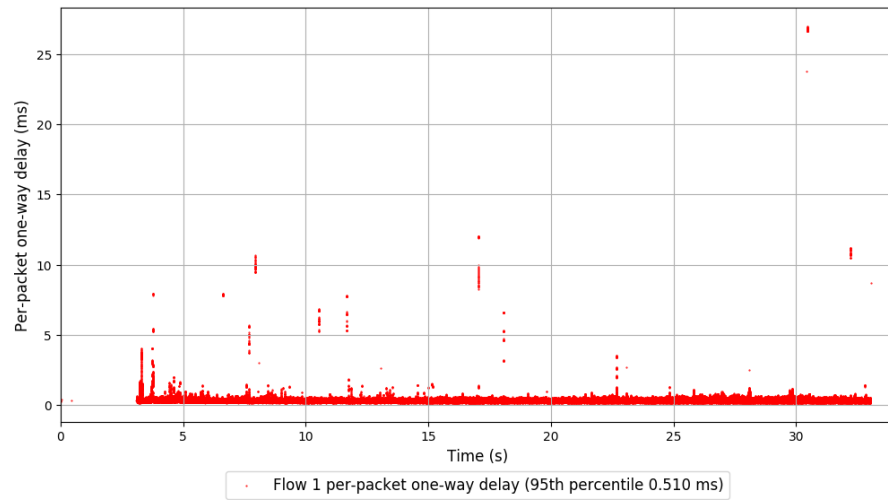
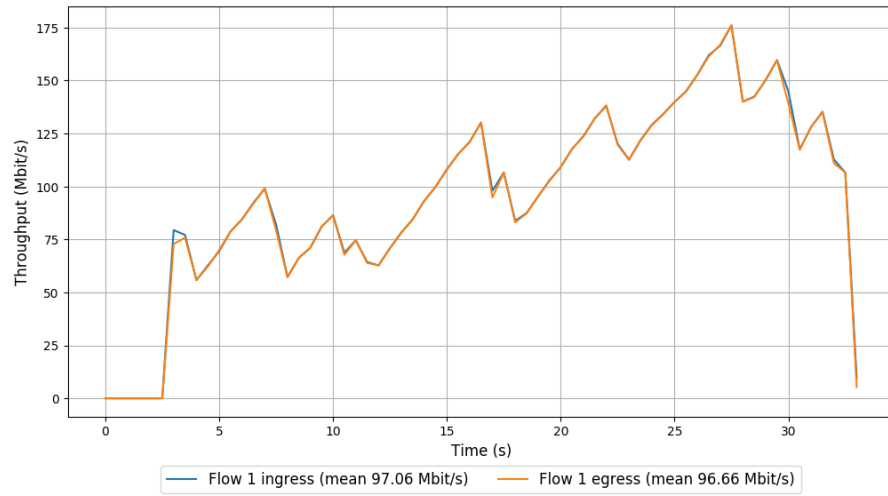
-- Flow 1:

Average throughput: 96.66 Mbit/s

95th percentile per-packet one-way delay: 0.510 ms

Loss rate: 0.45%

### Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 04:51:00 +0000

End at: Tue, 04 Jul 2017 04:51:30 +0000

Local clock offset: 1.203 ms

Remote clock offset: -1.186 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.74 Mbit/s

95th percentile per-packet one-way delay: -1.086 ms

Loss rate: 0.14%

-- Flow 1:

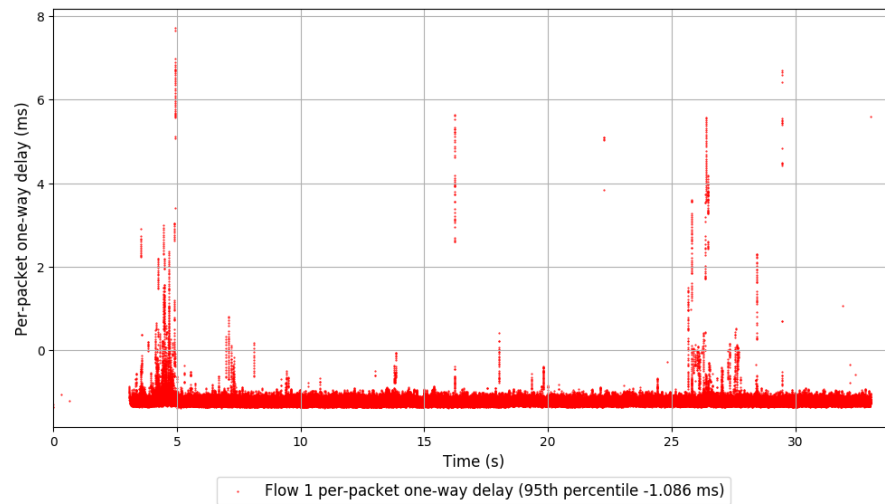
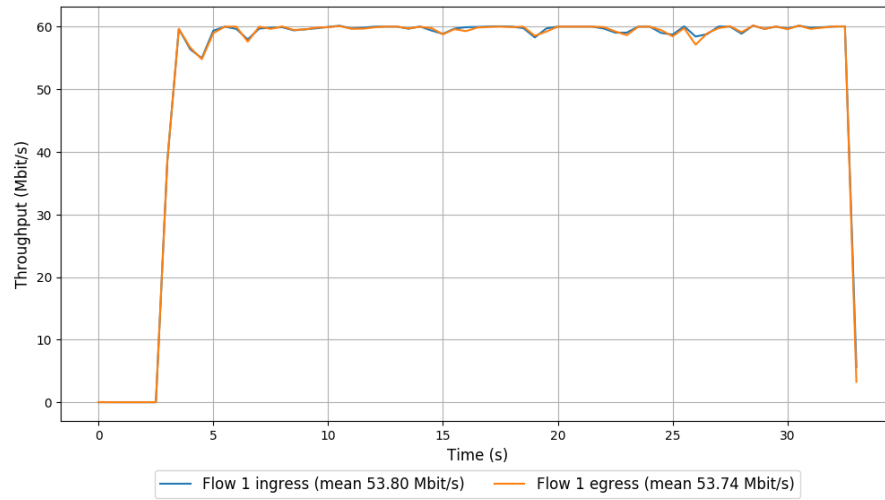
Average throughput: 53.74 Mbit/s

95th percentile per-packet one-way delay: -1.086 ms

Loss rate: 0.14%



### Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 05:10:34 +0000

End at: Tue, 04 Jul 2017 05:11:04 +0000

Local clock offset: 1.197 ms

Remote clock offset: -0.907 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.70 Mbit/s

95th percentile per-packet one-way delay: -0.873 ms

Loss rate: 0.28%

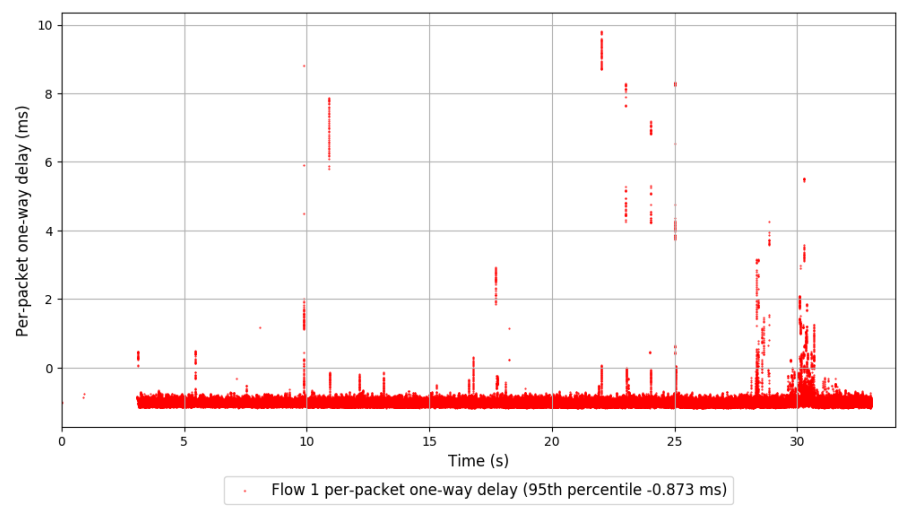
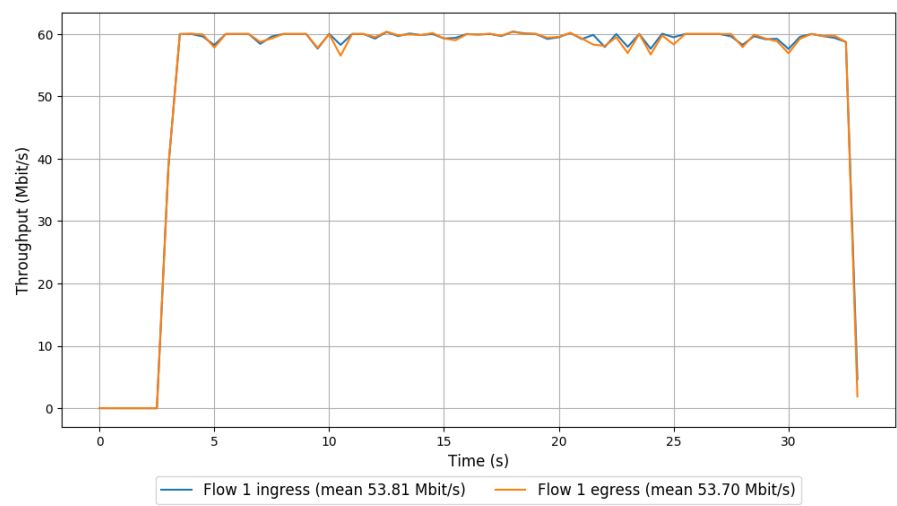
-- Flow 1:

Average throughput: 53.70 Mbit/s

95th percentile per-packet one-way delay: -0.873 ms

Loss rate: 0.28%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 05:29:20 +0000

End at: Tue, 04 Jul 2017 05:29:50 +0000

Local clock offset: 1.21 ms

Remote clock offset: -1.118 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.00 Mbit/s

95th percentile per-packet one-way delay: -0.858 ms

Loss rate: 69.48%

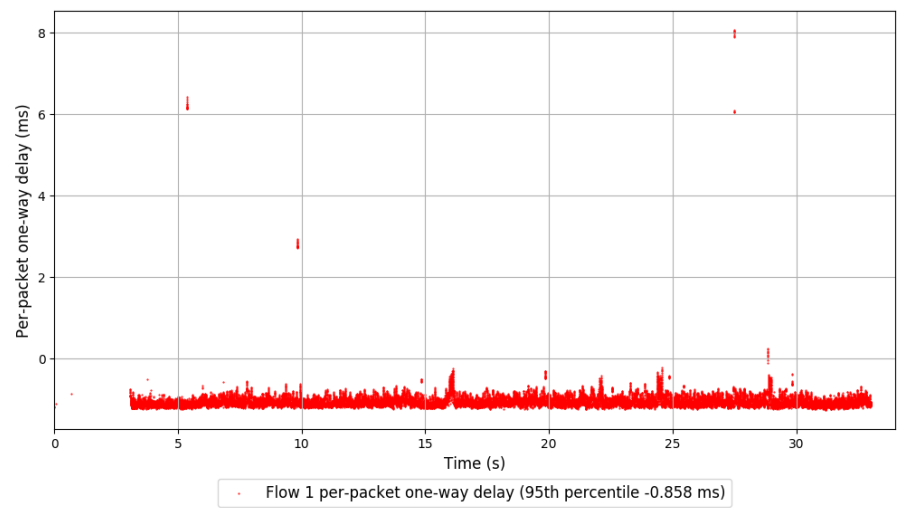
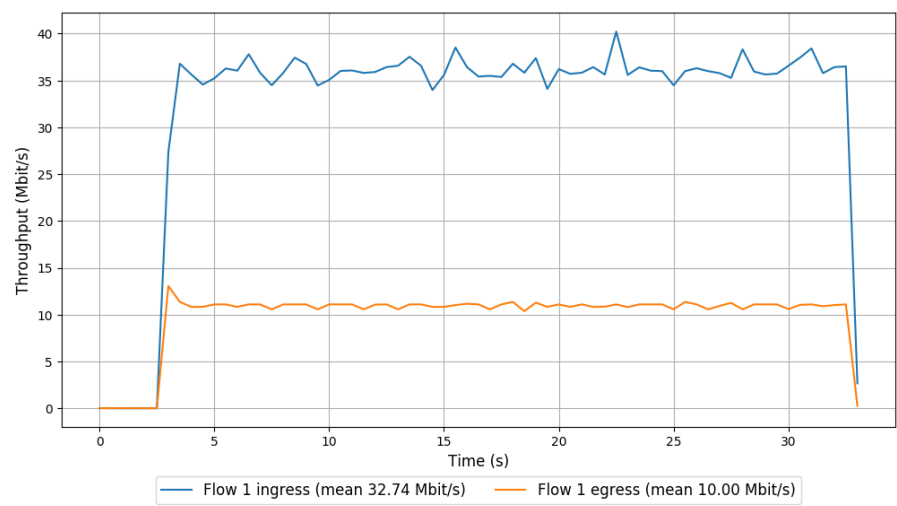
-- Flow 1:

Average throughput: 10.00 Mbit/s

95th percentile per-packet one-way delay: -0.858 ms

Loss rate: 69.48%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 05:47:42 +0000

End at: Tue, 04 Jul 2017 05:48:12 +0000

Local clock offset: 1.125 ms

Remote clock offset: -1.475 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:08 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.82 Mbit/s

95th percentile per-packet one-way delay: -1.435 ms

Loss rate: 0.15%

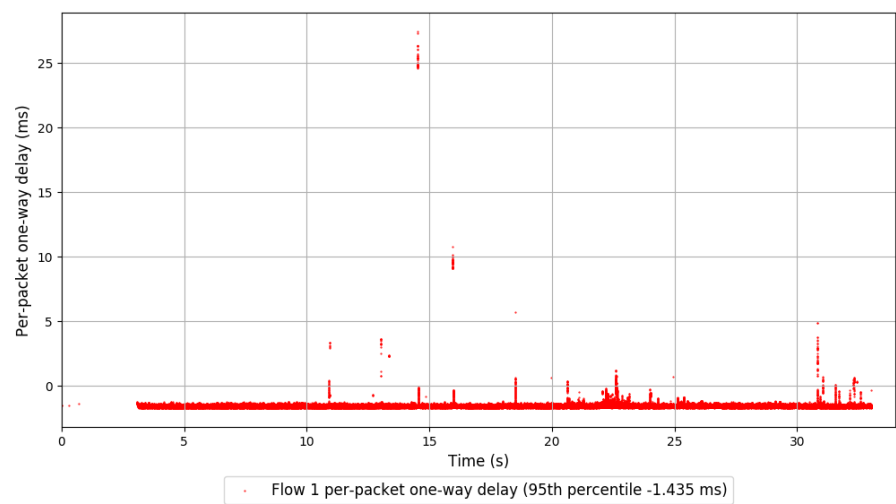
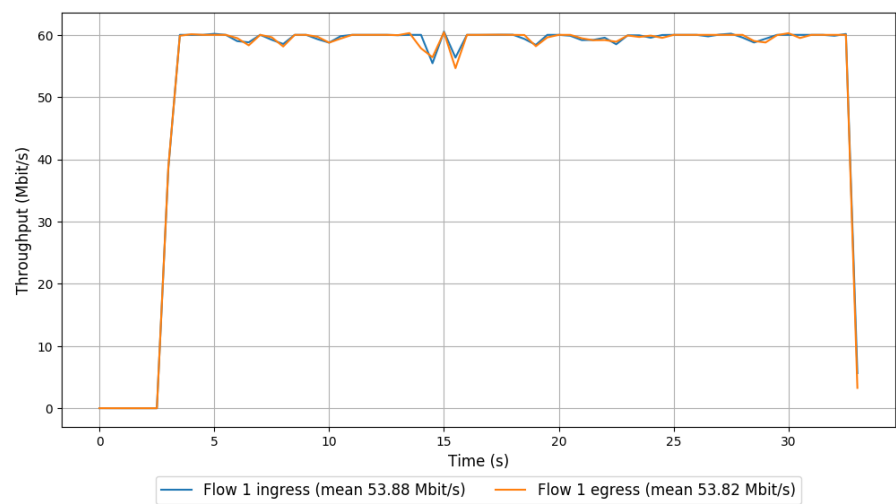
-- Flow 1:

Average throughput: 53.82 Mbit/s

95th percentile per-packet one-way delay: -1.435 ms

Loss rate: 0.15%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 06:07:14 +0000

End at: Tue, 04 Jul 2017 06:07:44 +0000

Local clock offset: 0.953 ms

Remote clock offset: -1.204 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:13 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.82 Mbit/s

95th percentile per-packet one-way delay: -0.973 ms

Loss rate: 0.18%

-- Flow 1:

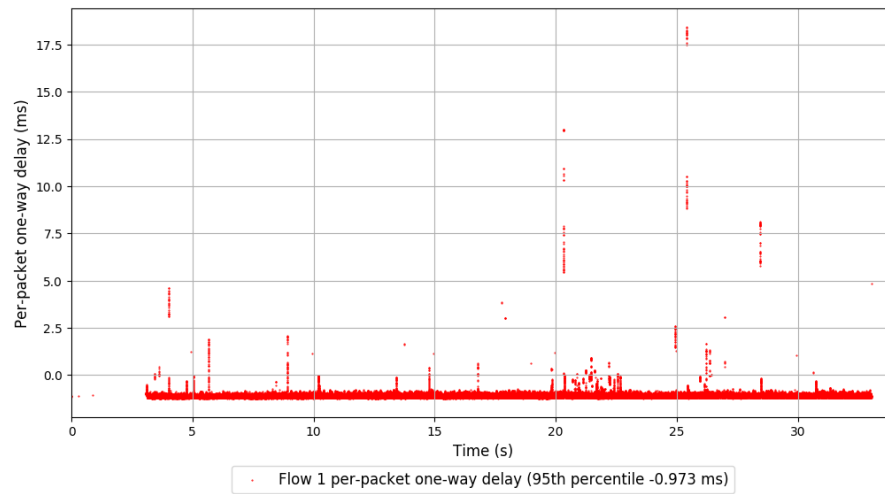
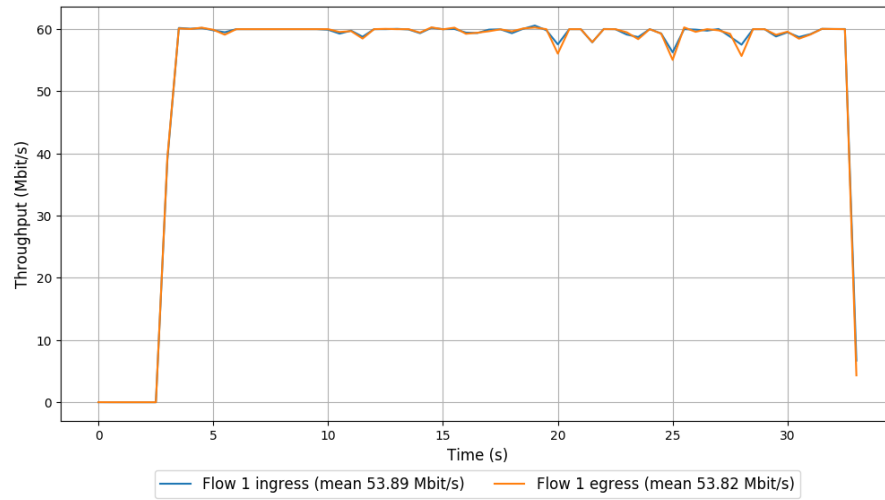
Average throughput: 53.82 Mbit/s

95th percentile per-packet one-way delay: -0.973 ms

Loss rate: 0.18%



### Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 06:25:51 +0000

End at: Tue, 04 Jul 2017 06:26:21 +0000

Local clock offset: 0.762 ms

Remote clock offset: -0.988 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:13 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: -0.315 ms

Loss rate: 69.52%

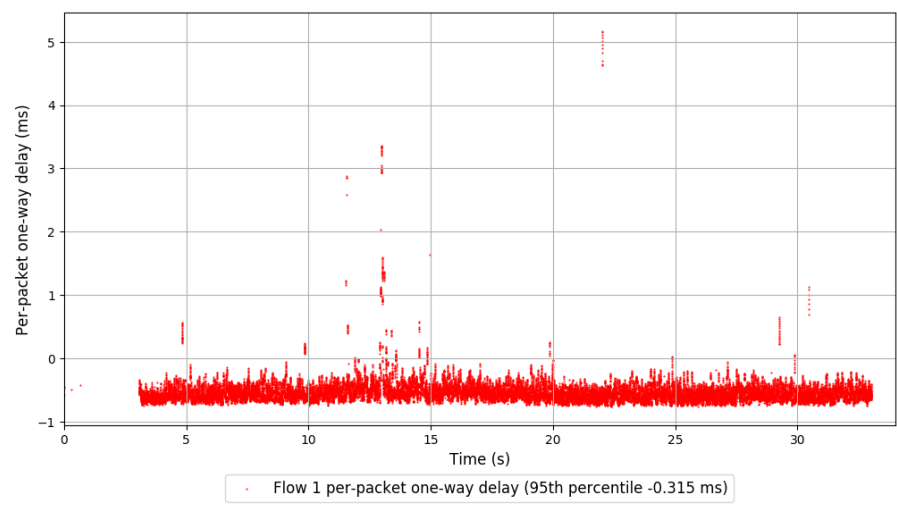
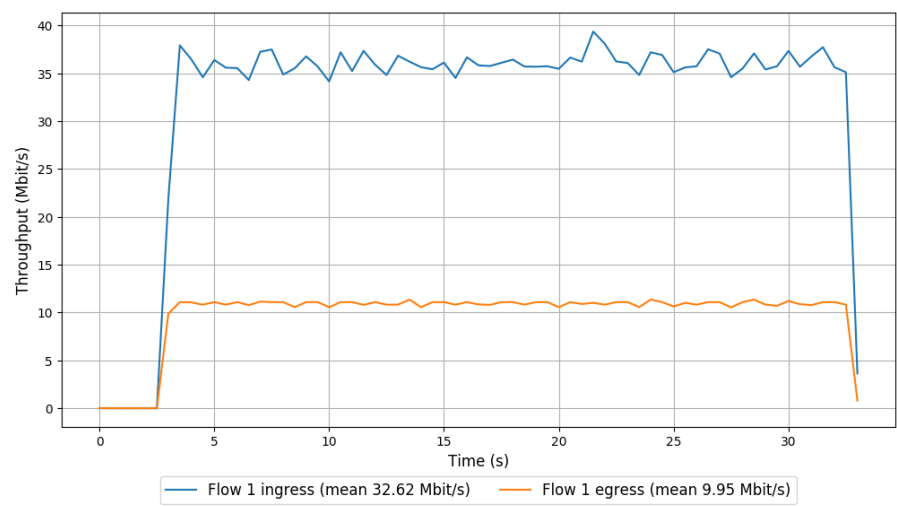
-- Flow 1:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: -0.315 ms

Loss rate: 69.52%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 06:44:28 +0000

End at: Tue, 04 Jul 2017 06:44:58 +0000

Local clock offset: 0.611 ms

Remote clock offset: -1.31 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.92 Mbit/s

95th percentile per-packet one-way delay: -0.635 ms

Loss rate: 0.15%

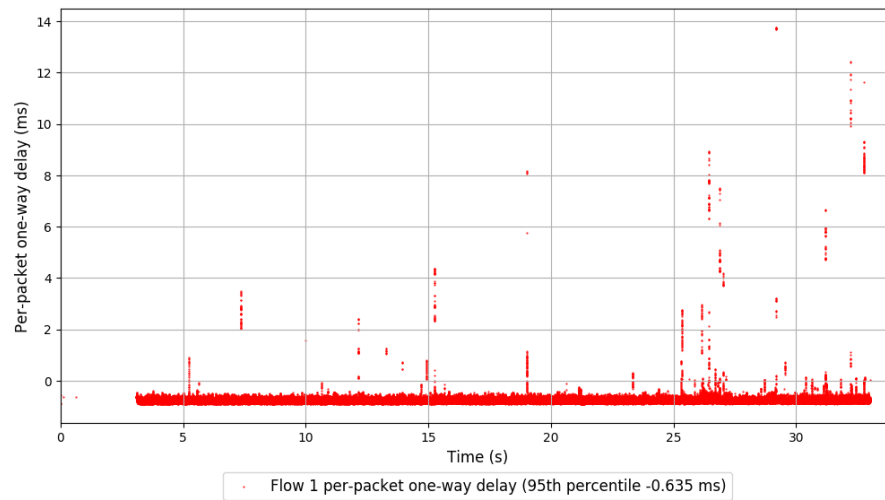
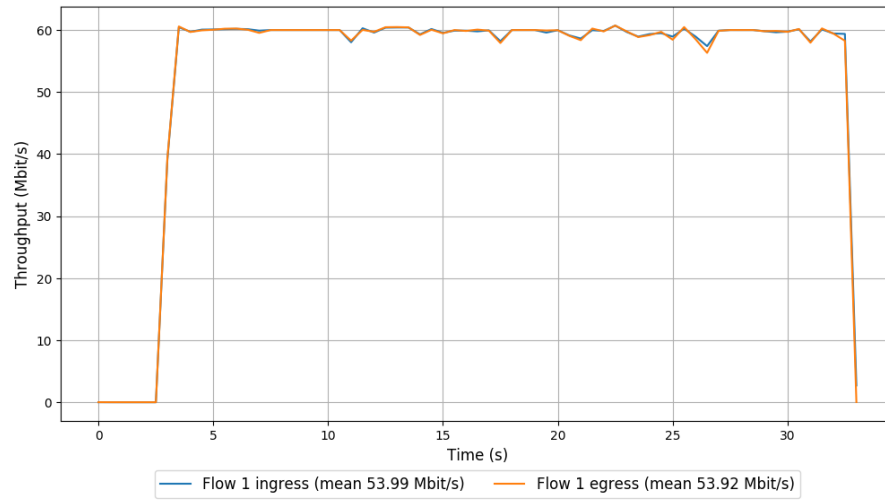
-- Flow 1:

Average throughput: 53.92 Mbit/s

95th percentile per-packet one-way delay: -0.635 ms

Loss rate: 0.15%

## Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 07:04:16 +0000

End at: Tue, 04 Jul 2017 07:04:46 +0000

Local clock offset: 0.214 ms

Remote clock offset: -1.275 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.96 Mbit/s

95th percentile per-packet one-way delay: -0.292 ms

Loss rate: 0.19%

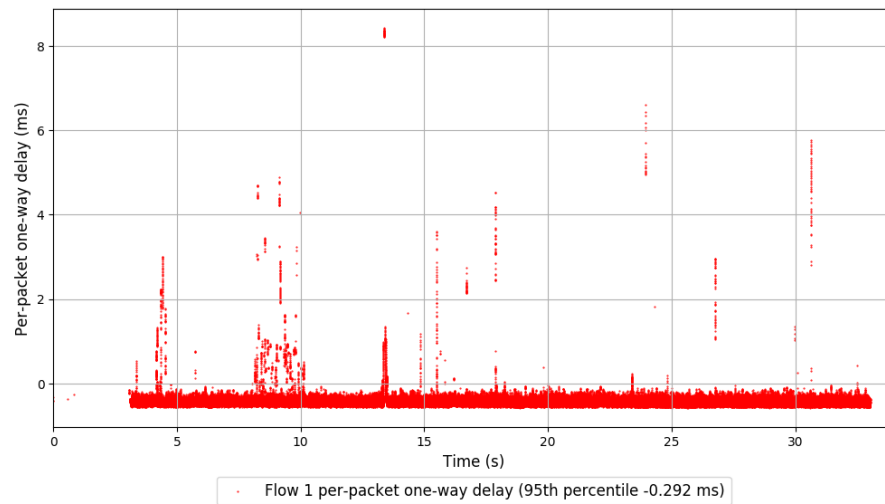
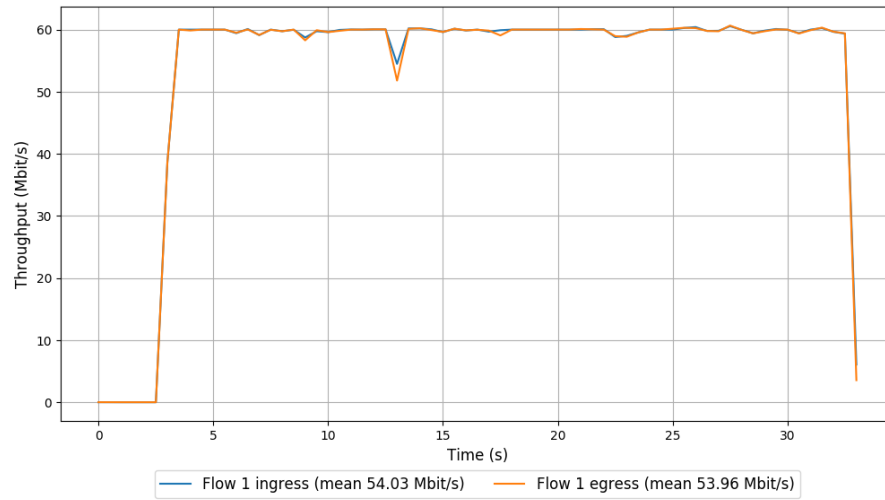
-- Flow 1:

Average throughput: 53.96 Mbit/s

95th percentile per-packet one-way delay: -0.292 ms

Loss rate: 0.19%

## Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 07:23:48 +0000

End at: Tue, 04 Jul 2017 07:24:18 +0000

Local clock offset: 0.0 ms

Remote clock offset: -1.295 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.88 Mbit/s

95th percentile per-packet one-way delay: -0.064 ms

Loss rate: 0.18%

-- Flow 1:

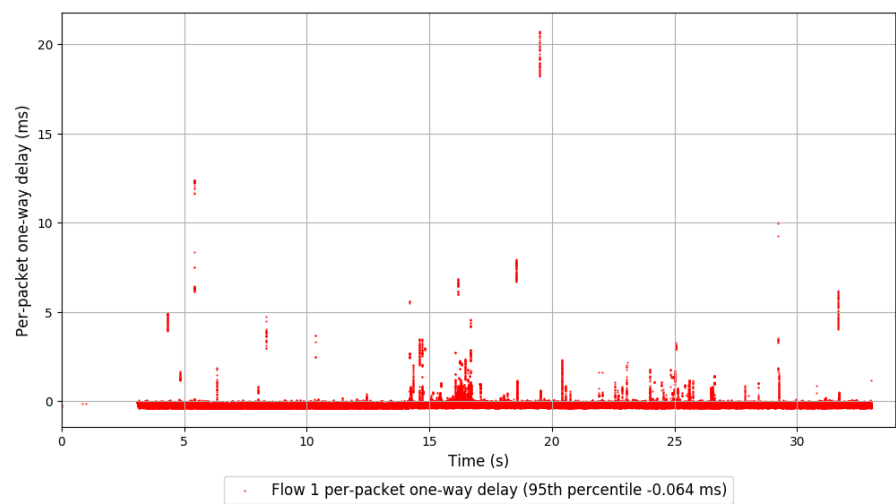
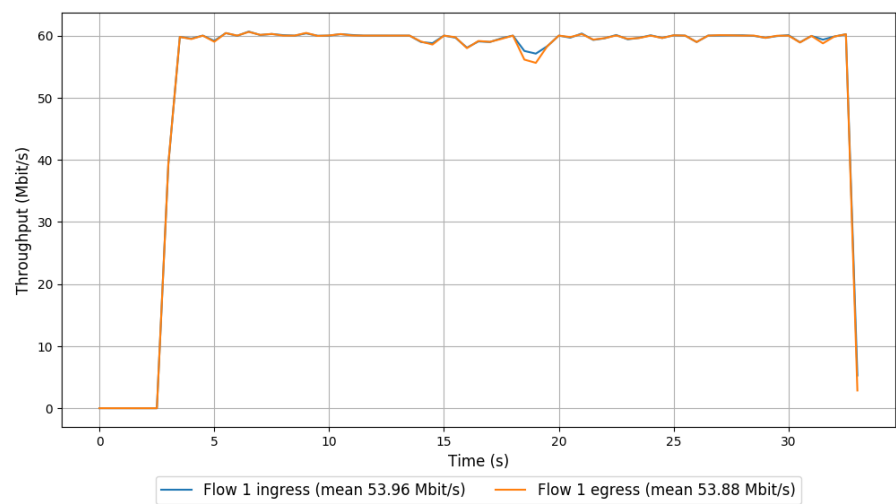
Average throughput: 53.88 Mbit/s

95th percentile per-packet one-way delay: -0.064 ms

Loss rate: 0.18%



Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Tue, 04 Jul 2017 07:43:16 +0000

End at: Tue, 04 Jul 2017 07:43:46 +0000

Local clock offset: -0.229 ms

Remote clock offset: -1.273 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.80 Mbit/s

95th percentile per-packet one-way delay: 0.250 ms

Loss rate: 0.22%

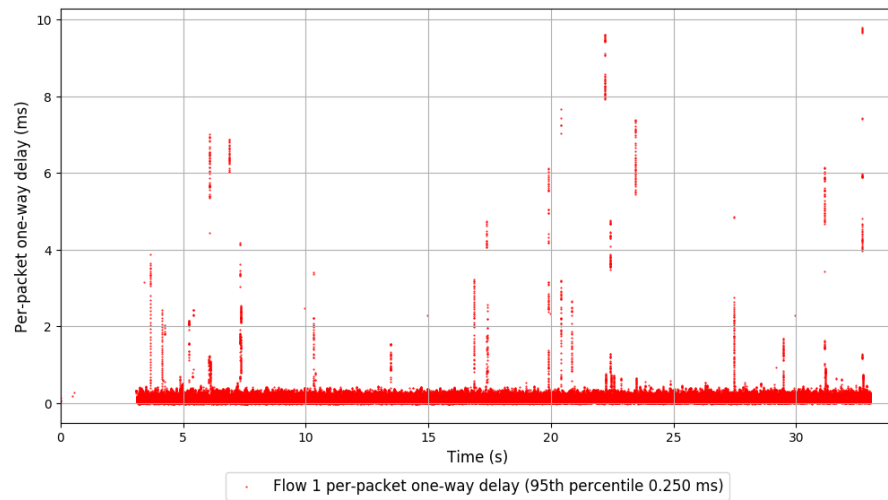
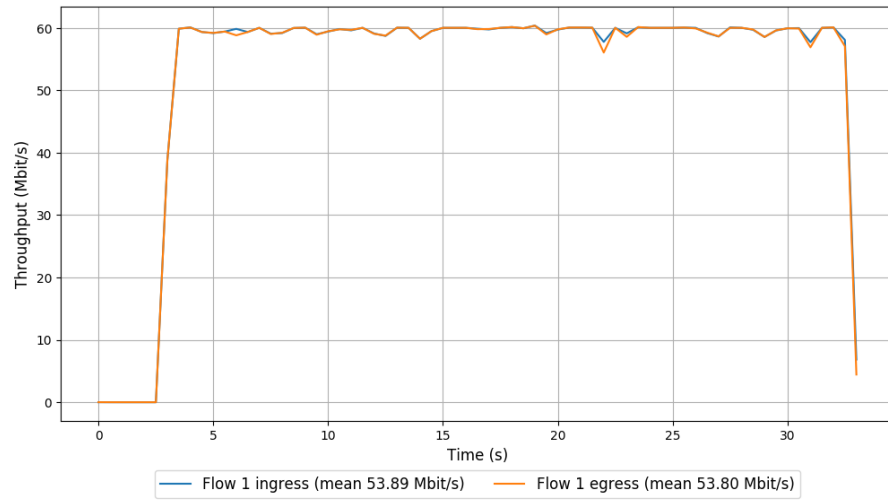
-- Flow 1:

Average throughput: 53.80 Mbit/s

95th percentile per-packet one-way delay: 0.250 ms

Loss rate: 0.22%

# Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 04:57:44 +0000

End at: Tue, 04 Jul 2017 04:58:14 +0000

Local clock offset: 1.262 ms

Remote clock offset: -1.093 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:39 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.19 Mbit/s

95th percentile per-packet one-way delay: -0.739 ms

Loss rate: 0.33%

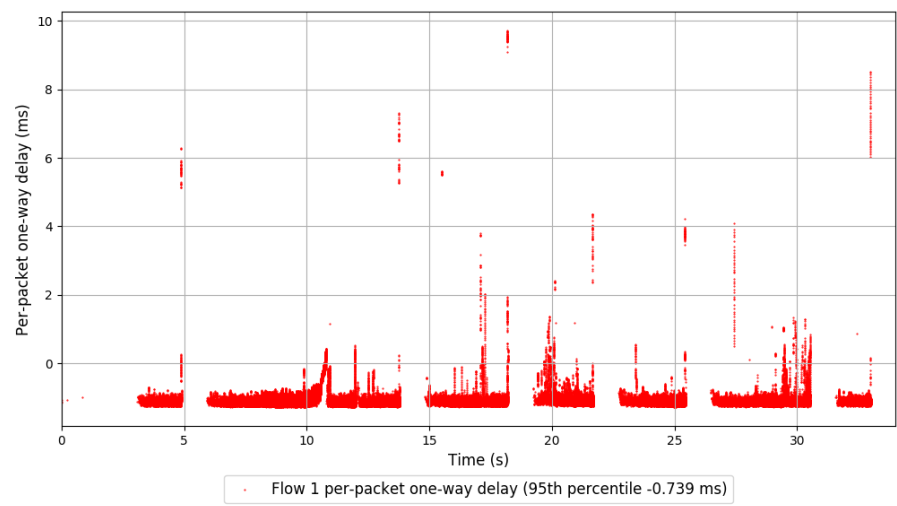
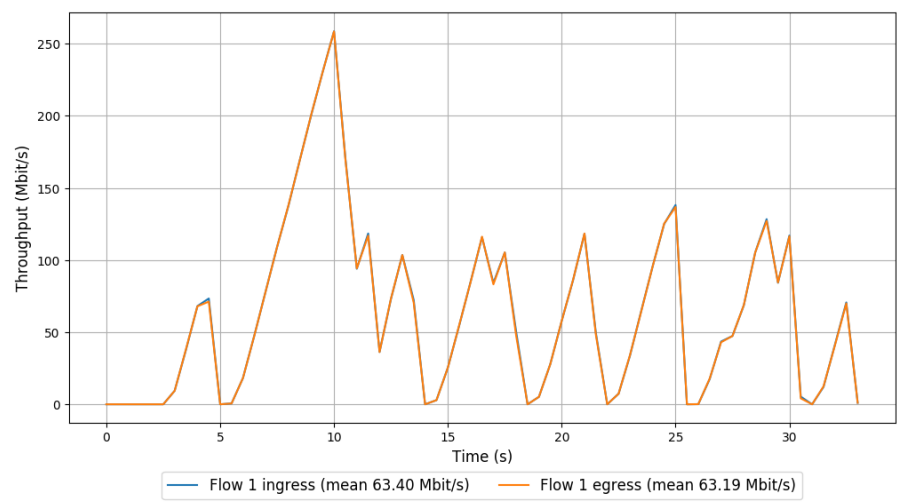
-- Flow 1:

Average throughput: 63.19 Mbit/s

95th percentile per-packet one-way delay: -0.739 ms

Loss rate: 0.33%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 05:17:34 +0000

End at: Tue, 04 Jul 2017 05:18:04 +0000

Local clock offset: 1.176 ms

Remote clock offset: -1.017 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:39 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.78 Mbit/s

95th percentile per-packet one-way delay: -0.811 ms

Loss rate: 5.59%

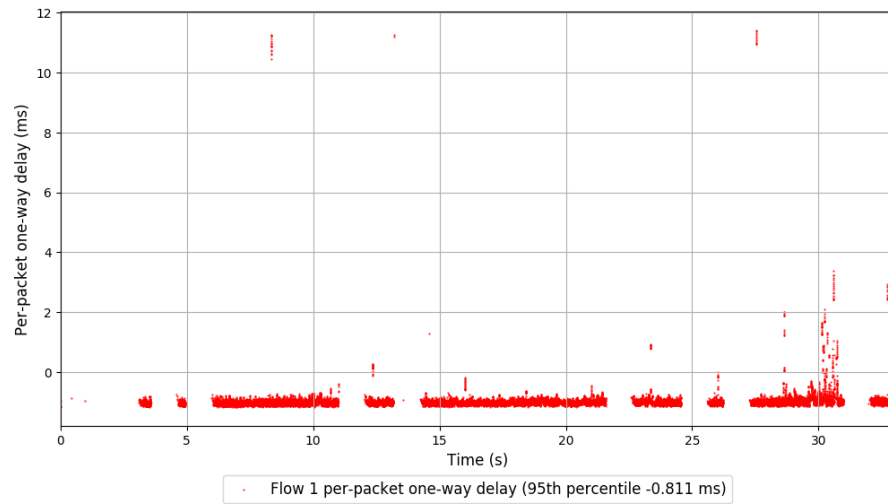
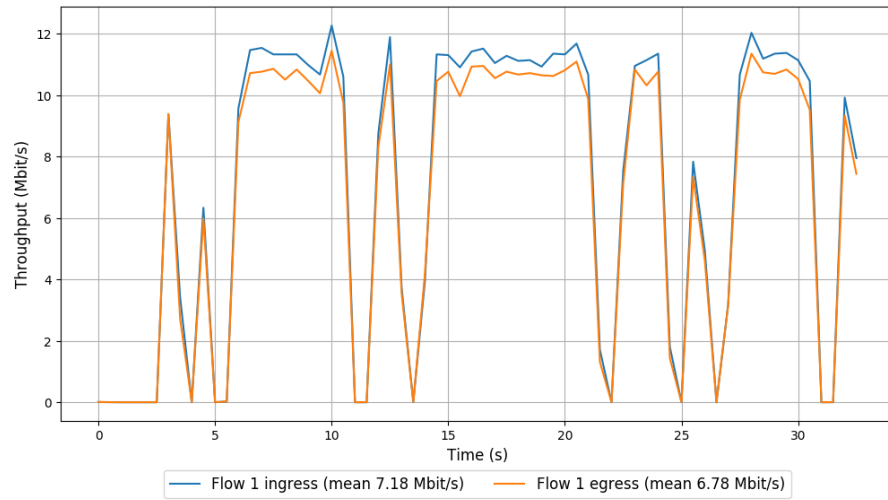
-- Flow 1:

Average throughput: 6.78 Mbit/s

95th percentile per-packet one-way delay: -0.811 ms

Loss rate: 5.59%

## Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 05:35:32 +0000

End at: Tue, 04 Jul 2017 05:36:02 +0000

Local clock offset: 1.109 ms

Remote clock offset: -1.265 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:39 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: -1.064 ms

Loss rate: 5.84%

-- Flow 1:

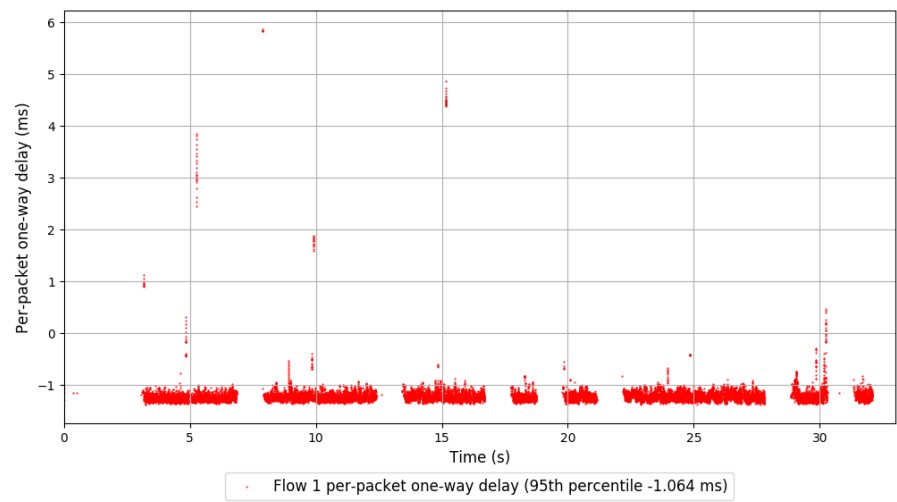
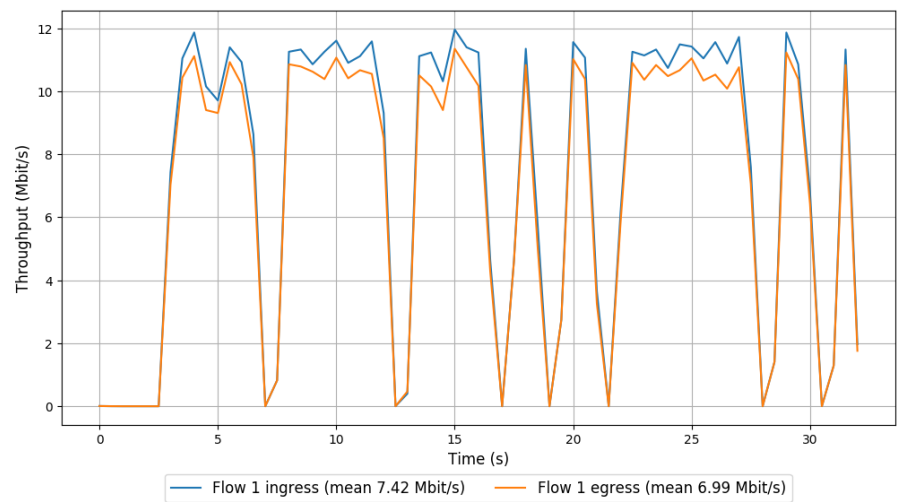
Average throughput: 6.99 Mbit/s

95th percentile per-packet one-way delay: -1.064 ms

Loss rate: 5.84%



Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 05:54:20 +0000

End at: Tue, 04 Jul 2017 05:54:50 +0000

Local clock offset: 1.118 ms

Remote clock offset: -1.485 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.89 Mbit/s

95th percentile per-packet one-way delay: -1.177 ms

Loss rate: 0.30%

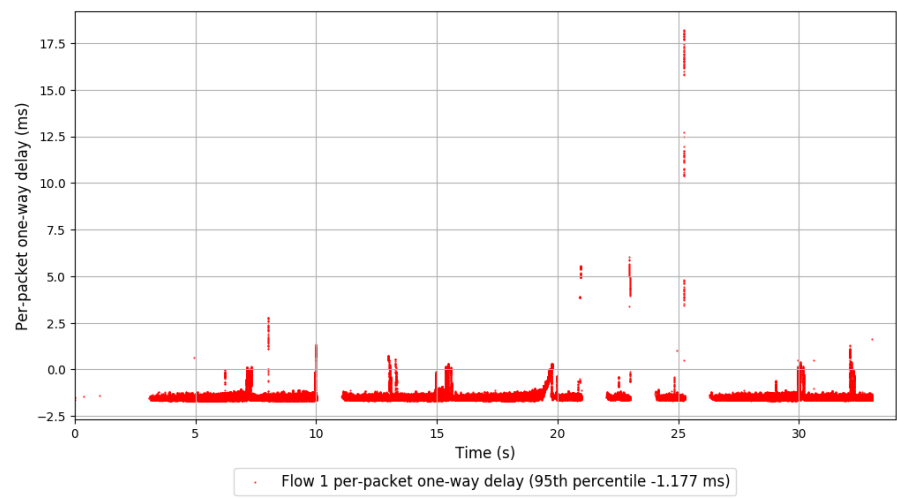
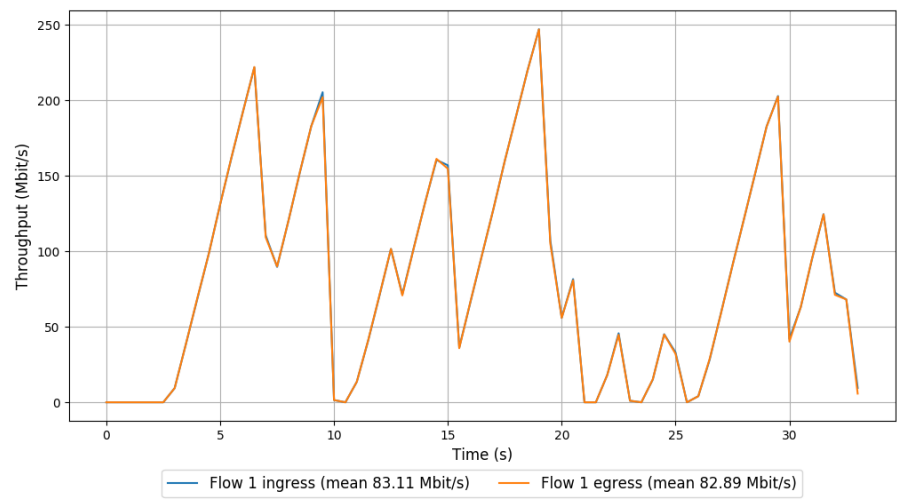
-- Flow 1:

Average throughput: 82.89 Mbit/s

95th percentile per-packet one-way delay: -1.177 ms

Loss rate: 0.30%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

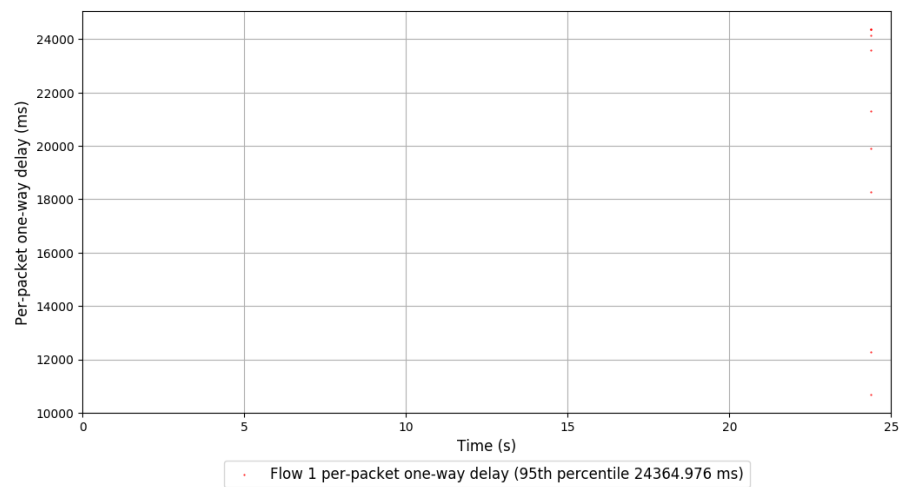
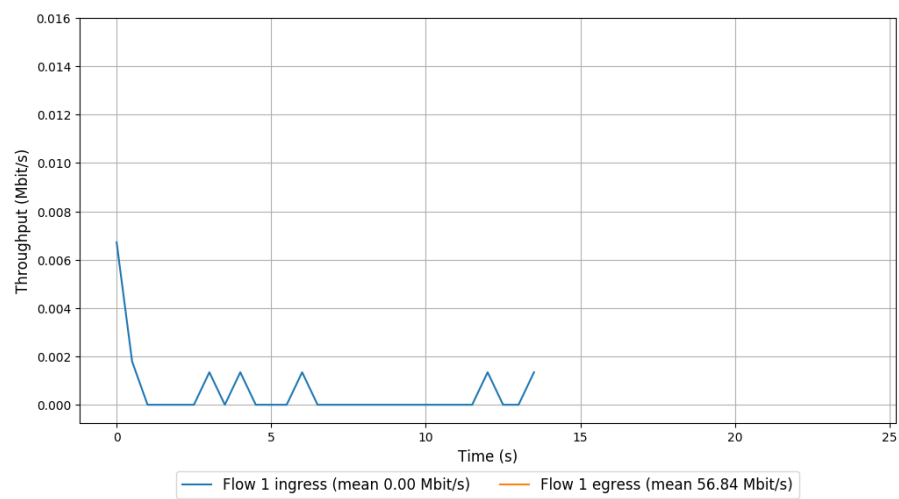
Start at: Tue, 04 Jul 2017 06:14:06 +0000

End at: Tue, 04 Jul 2017 06:14:36 +0000

Local clock offset: 0.889 ms

Remote clock offset: -1.078 ms

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 06:32:13 +0000

End at: Tue, 04 Jul 2017 06:32:43 +0000

Local clock offset: 0.786 ms

Remote clock offset: -1.093 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.63 Mbit/s

95th percentile per-packet one-way delay: -0.529 ms

Loss rate: 5.97%

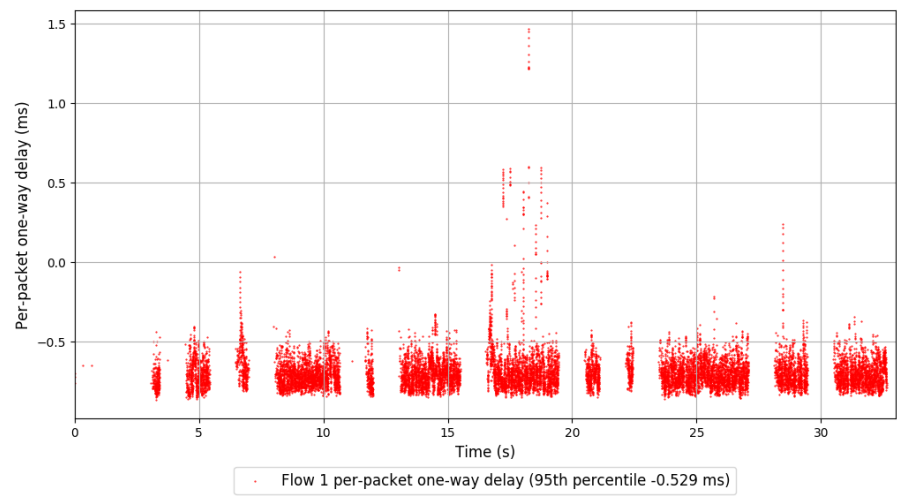
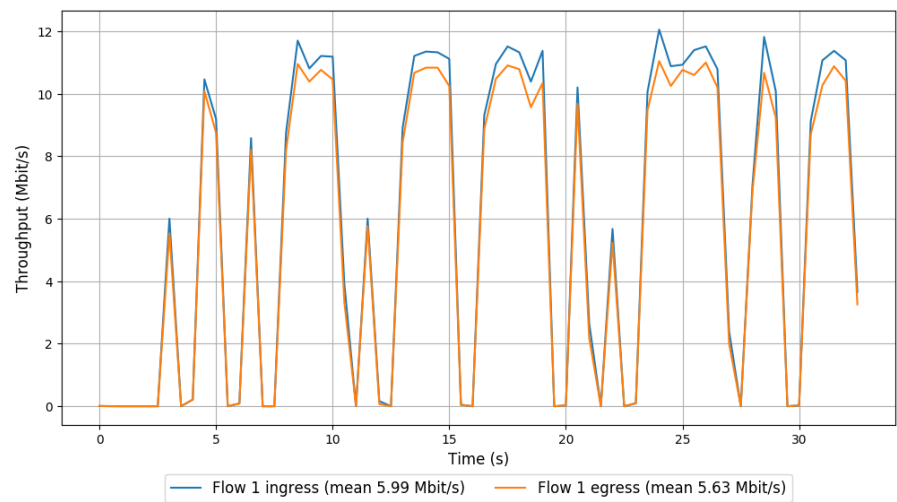
-- Flow 1:

Average throughput: 5.63 Mbit/s

95th percentile per-packet one-way delay: -0.529 ms

Loss rate: 5.97%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 06:51:22 +0000

End at: Tue, 04 Jul 2017 06:51:52 +0000

Local clock offset: 0.387 ms

Remote clock offset: -1.337 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:22:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 112.72 Mbit/s

95th percentile per-packet one-way delay: -0.305 ms

Loss rate: 0.21%

-- Flow 1:

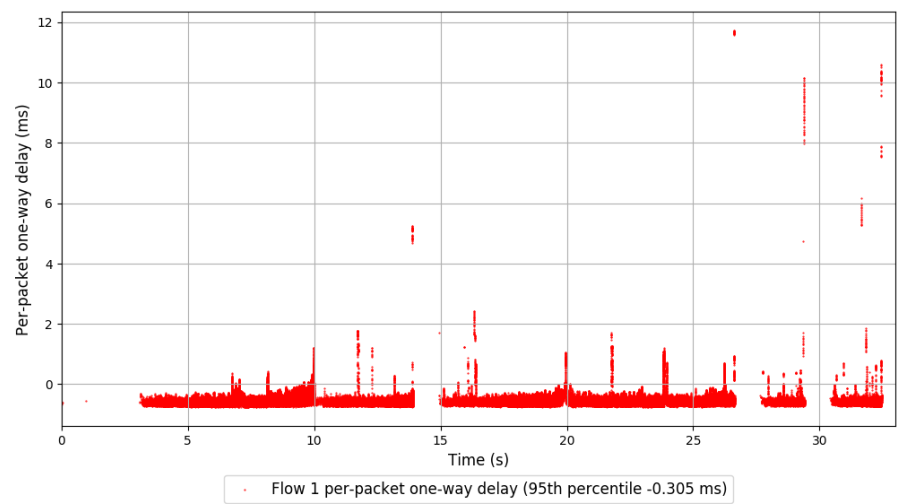
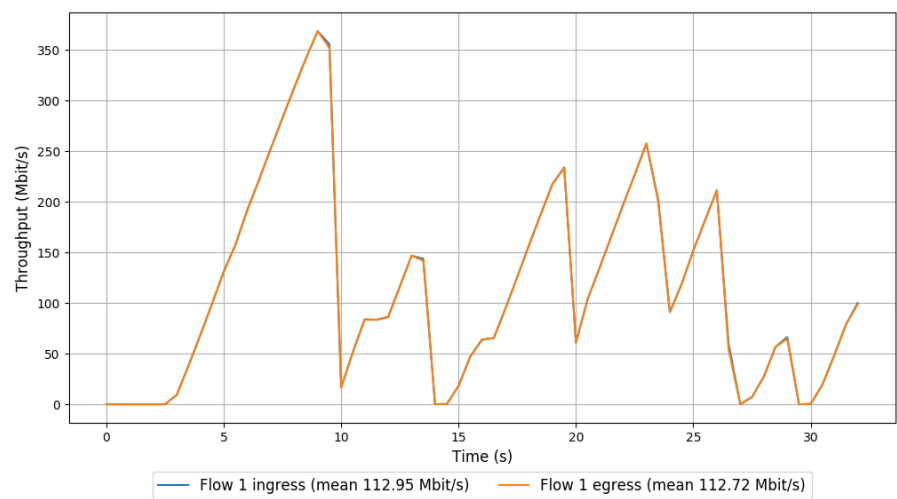
Average throughput: 112.72 Mbit/s

95th percentile per-packet one-way delay: -0.305 ms

Loss rate: 0.21%



Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Tue, 04 Jul 2017 07:10:57 +0000

End at: Tue, 04 Jul 2017 07:11:27 +0000

Local clock offset: 0.114 ms

Remote clock offset: -1.283 ms

Run 8: Report of LEDBAT — Data Link

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Figure is missing

Run 9: Statistics of LEDBAT

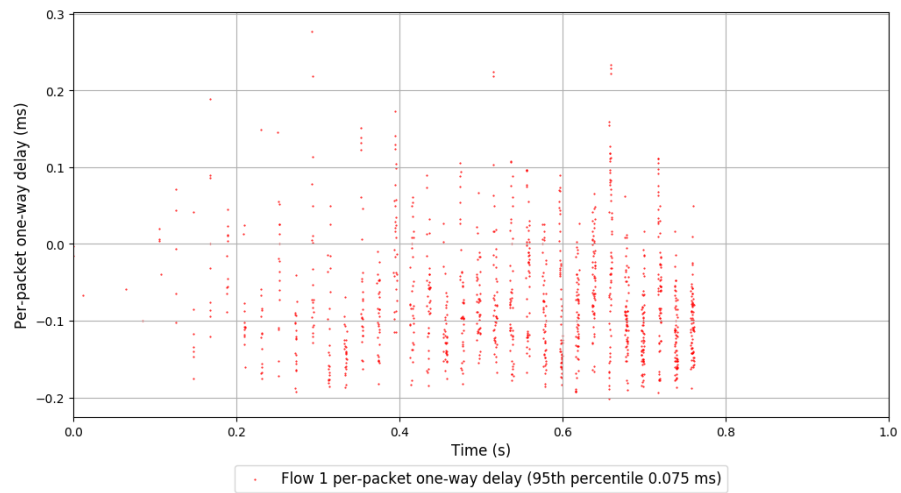
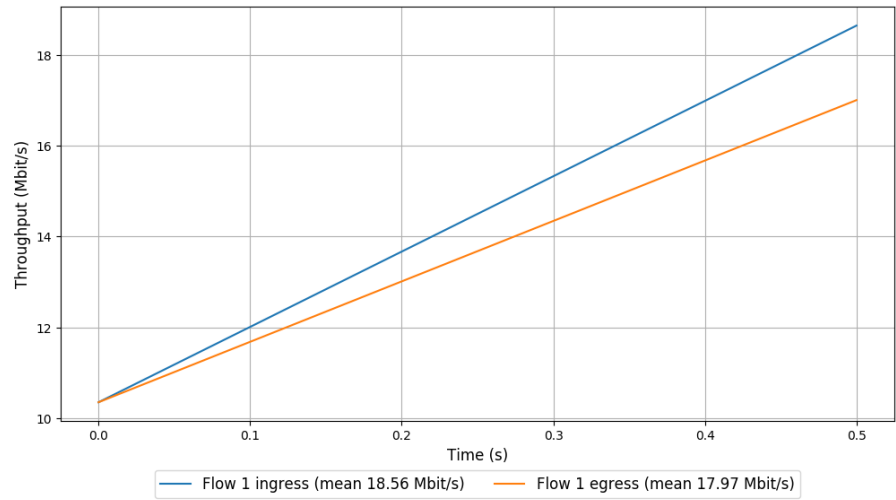
Start at: Tue, 04 Jul 2017 07:30:29 +0000

End at: Tue, 04 Jul 2017 07:30:59 +0000

Local clock offset: -0.091 ms

Remote clock offset: -1.228 ms

### Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

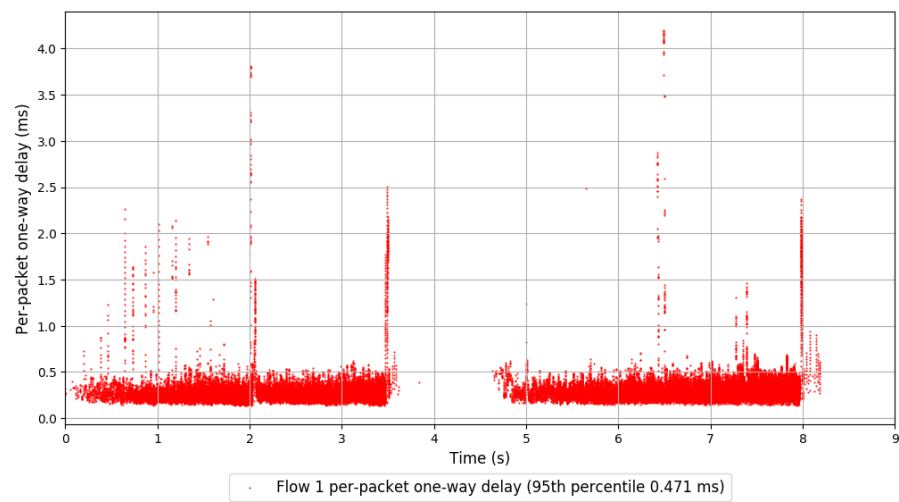
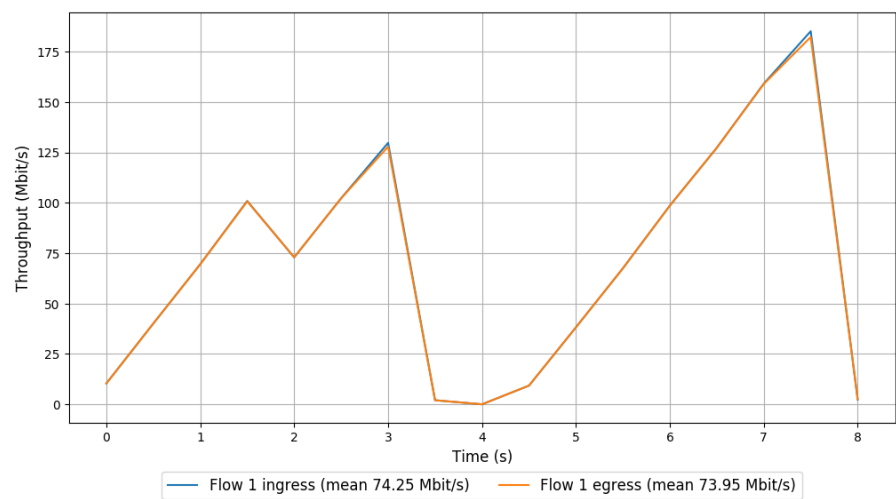
Start at: Tue, 04 Jul 2017 07:50:02 +0000

End at: Tue, 04 Jul 2017 07:50:32 +0000

Local clock offset: -0.282 ms

Remote clock offset: -1.128 ms

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Tue, 04 Jul 2017 04:48:20 +0000

End at: Tue, 04 Jul 2017 04:48:50 +0000

Local clock offset: 1.172 ms

Remote clock offset: -1.297 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:24:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 512.01 Mbit/s

95th percentile per-packet one-way delay: -0.519 ms

Loss rate: 4.26%

-- Flow 1:

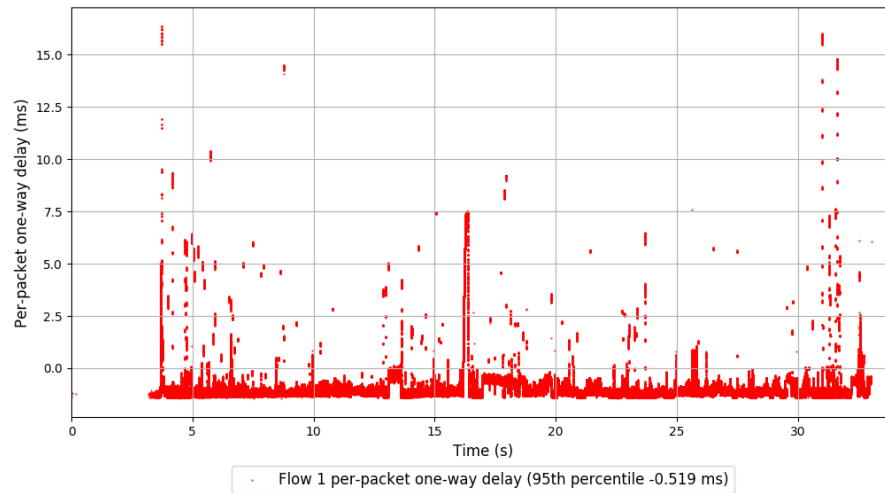
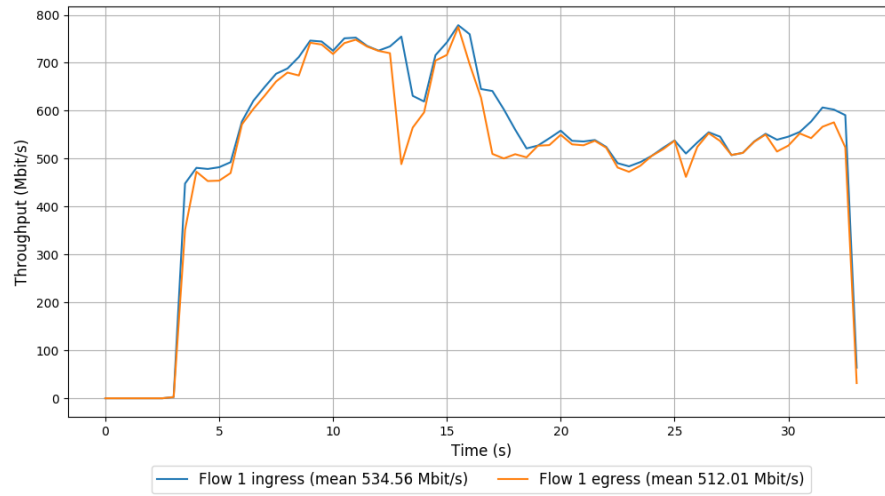
Average throughput: 512.01 Mbit/s

95th percentile per-packet one-way delay: -0.519 ms

Loss rate: 4.26%



## Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 04 Jul 2017 05:07:56 +0000

End at: Tue, 04 Jul 2017 05:08:26 +0000

Local clock offset: 1.279 ms

Remote clock offset: -0.914 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:24:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 597.07 Mbit/s

95th percentile per-packet one-way delay: -0.086 ms

Loss rate: 3.19%

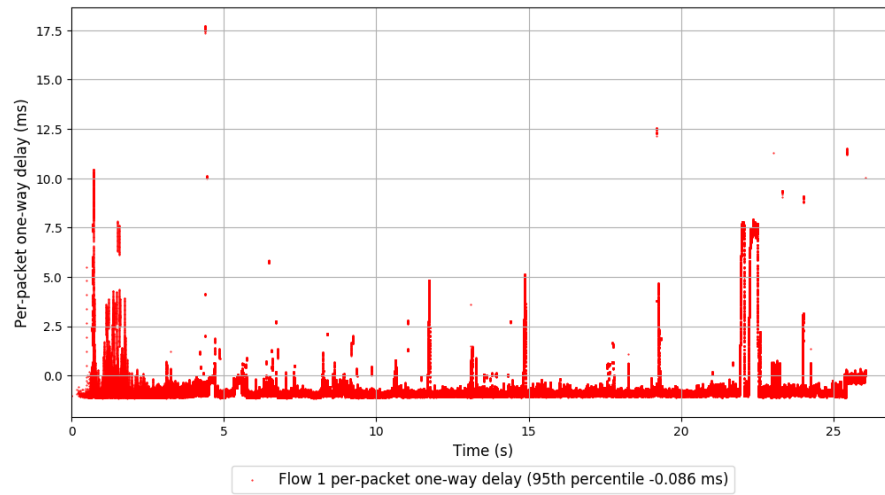
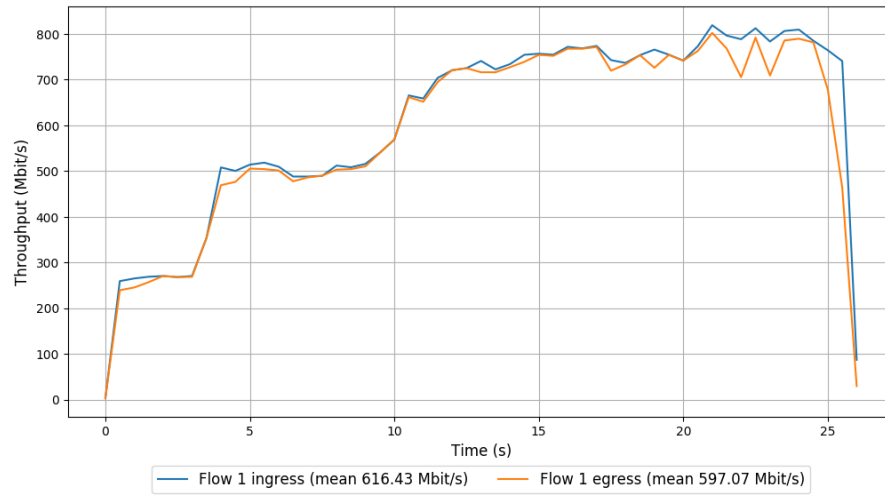
-- Flow 1:

Average throughput: 597.07 Mbit/s

95th percentile per-packet one-way delay: -0.086 ms

Loss rate: 3.19%

## Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Tue, 04 Jul 2017 05:26:59 +0000

End at: Tue, 04 Jul 2017 05:27:29 +0000

Local clock offset: 1.22 ms

Remote clock offset: -1.012 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:24:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.00 Mbit/s

95th percentile per-packet one-way delay: -0.957 ms

Loss rate: 6.12%

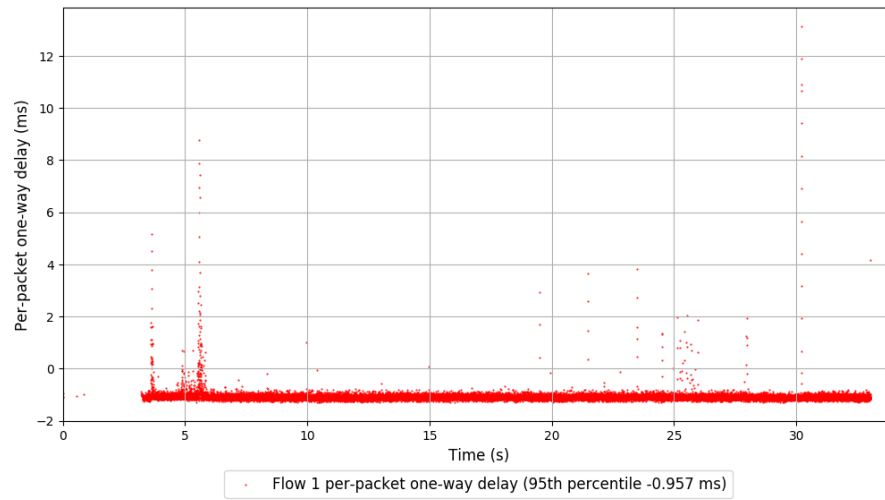
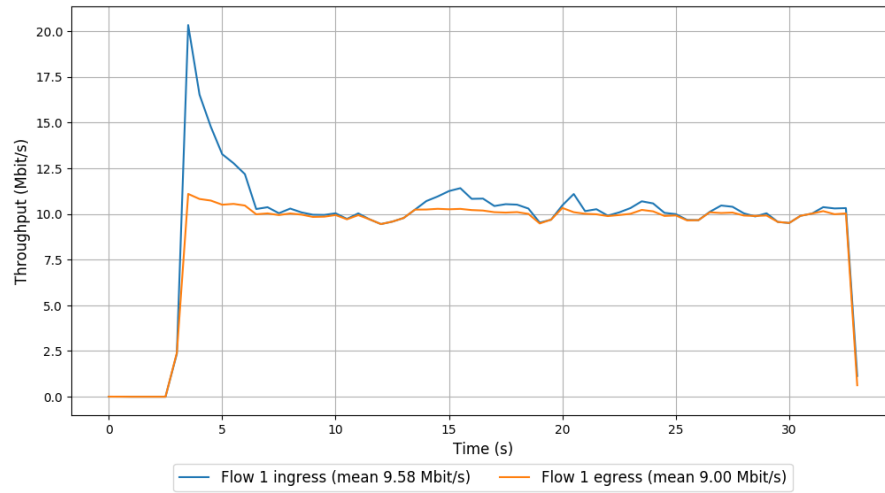
-- Flow 1:

Average throughput: 9.00 Mbit/s

95th percentile per-packet one-way delay: -0.957 ms

Loss rate: 6.12%

### Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 04 Jul 2017 05:44:57 +0000

End at: Tue, 04 Jul 2017 05:45:27 +0000

Local clock offset: 1.117 ms

Remote clock offset: -1.509 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:25:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 509.48 Mbit/s

95th percentile per-packet one-way delay: -0.709 ms

Loss rate: 7.22%

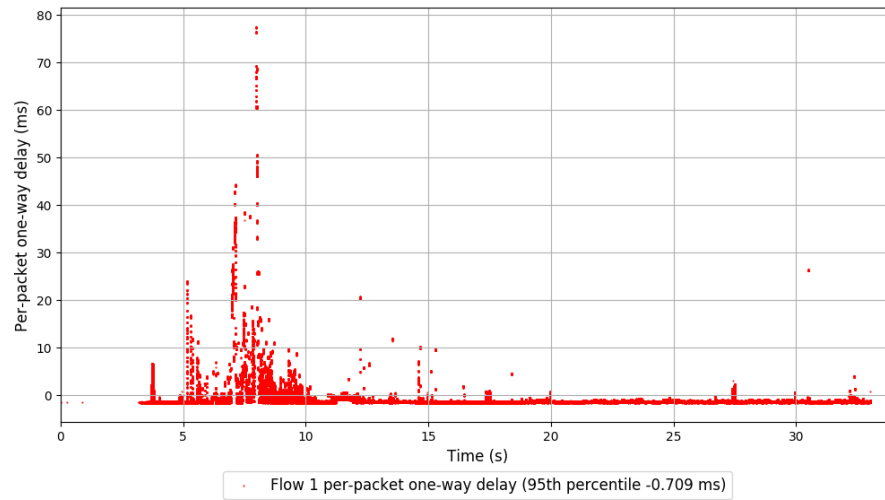
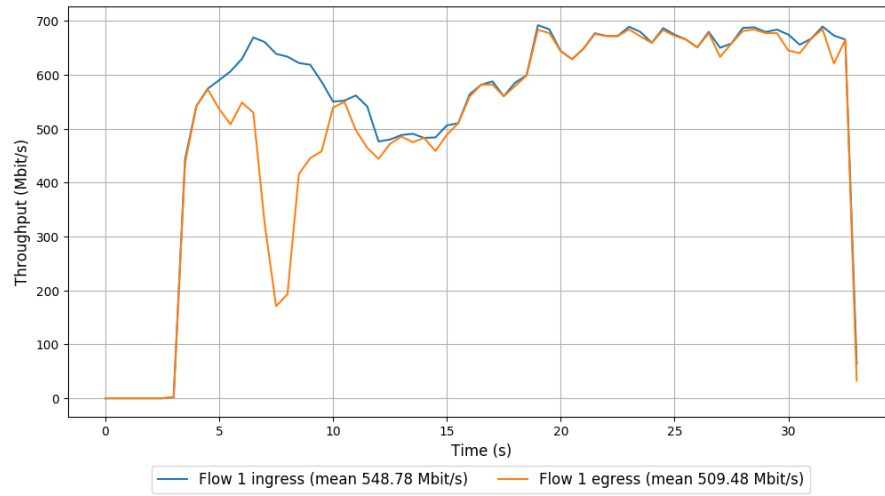
-- Flow 1:

Average throughput: 509.48 Mbit/s

95th percentile per-packet one-way delay: -0.709 ms

Loss rate: 7.22%

#### Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Tue, 04 Jul 2017 06:04:37 +0000

End at: Tue, 04 Jul 2017 06:05:07 +0000

Local clock offset: 1.032 ms

Remote clock offset: -1.312 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:25:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 578.13 Mbit/s

95th percentile per-packet one-way delay: 0.049 ms

Loss rate: 8.74%

-- Flow 1:

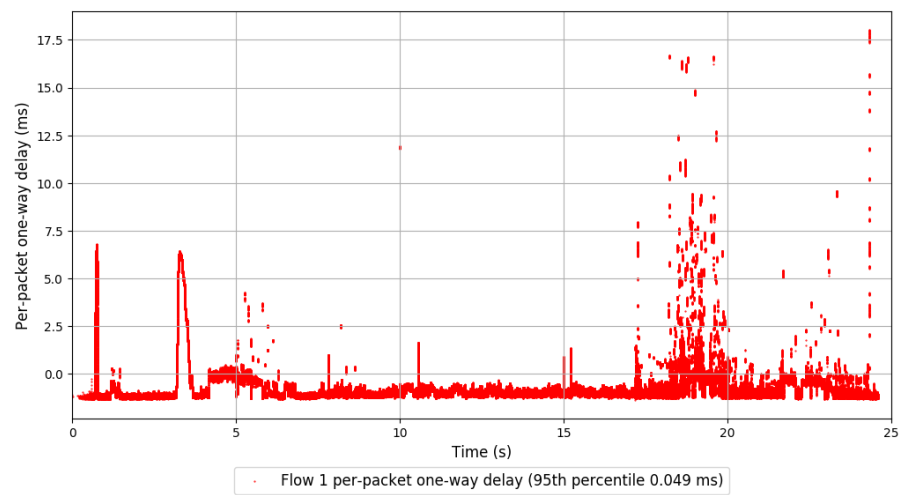
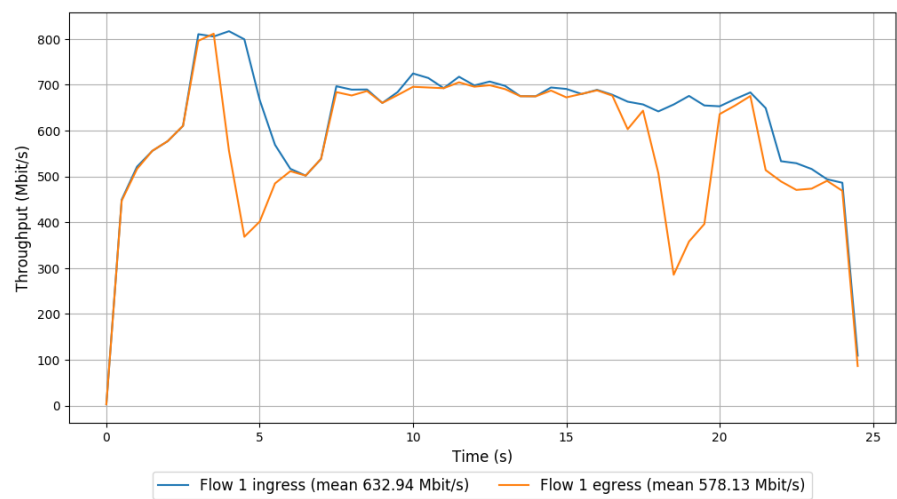
Average throughput: 578.13 Mbit/s

95th percentile per-packet one-way delay: 0.049 ms

Loss rate: 8.74%



Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Tue, 04 Jul 2017 06:23:30 +0000

End at: Tue, 04 Jul 2017 06:24:00 +0000

Local clock offset: 0.869 ms

Remote clock offset: -0.895 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:25:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.02 Mbit/s

95th percentile per-packet one-way delay: -0.495 ms

Loss rate: 7.02%

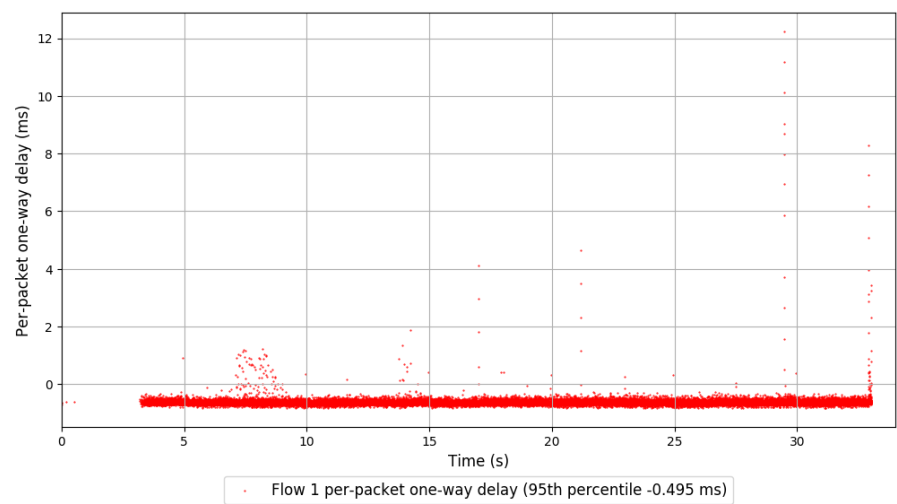
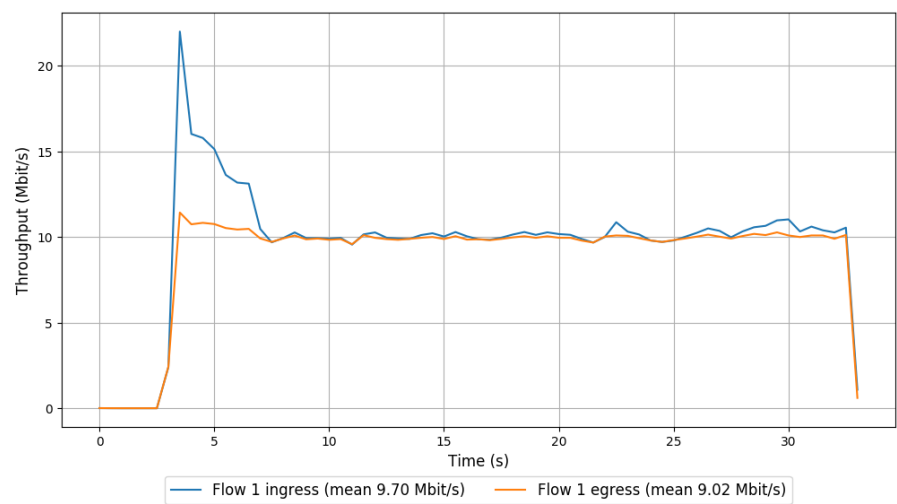
-- Flow 1:

Average throughput: 9.02 Mbit/s

95th percentile per-packet one-way delay: -0.495 ms

Loss rate: 7.02%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Tue, 04 Jul 2017 06:41:39 +0000

End at: Tue, 04 Jul 2017 06:42:09 +0000

Local clock offset: 0.65 ms

Remote clock offset: -1.384 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:26:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 584.11 Mbit/s

95th percentile per-packet one-way delay: 0.656 ms

Loss rate: 8.45%

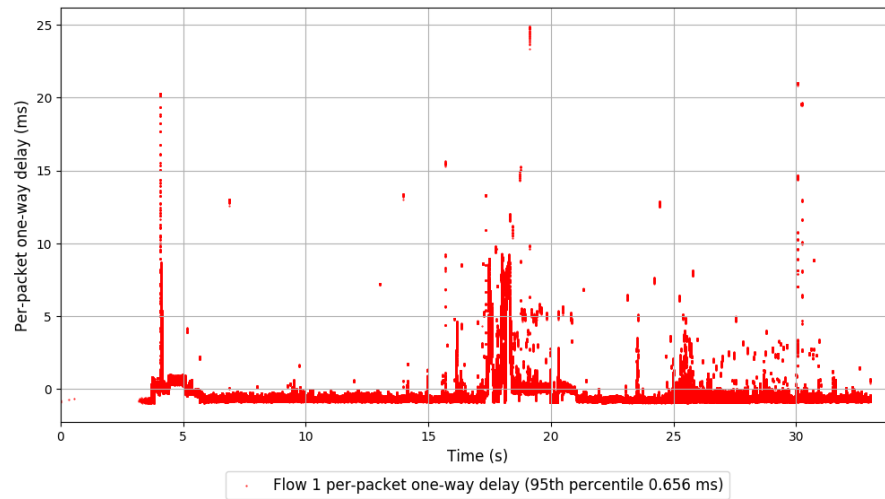
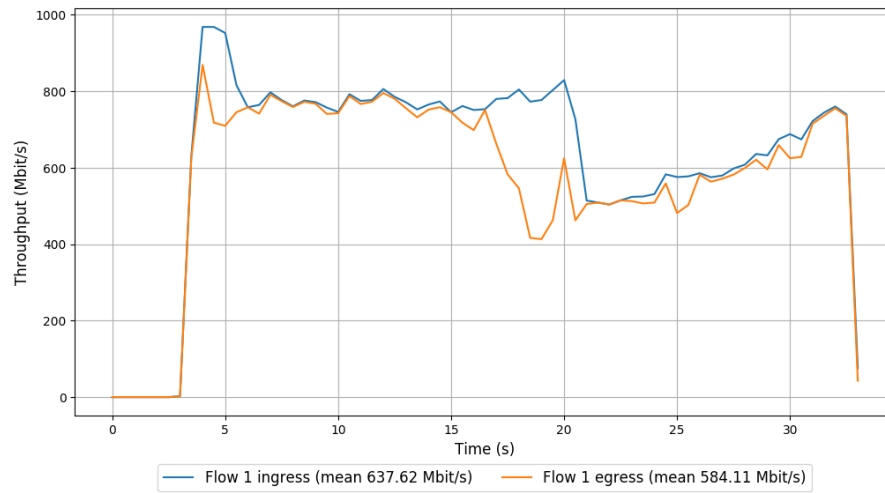
-- Flow 1:

Average throughput: 584.11 Mbit/s

95th percentile per-packet one-way delay: 0.656 ms

Loss rate: 8.45%

### Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Tue, 04 Jul 2017 07:01:33 +0000

End at: Tue, 04 Jul 2017 07:02:03 +0000

Local clock offset: 0.218 ms

Remote clock offset: -1.346 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:26:54 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 614.05 Mbit/s

95th percentile per-packet one-way delay: 0.221 ms

Loss rate: 2.50%

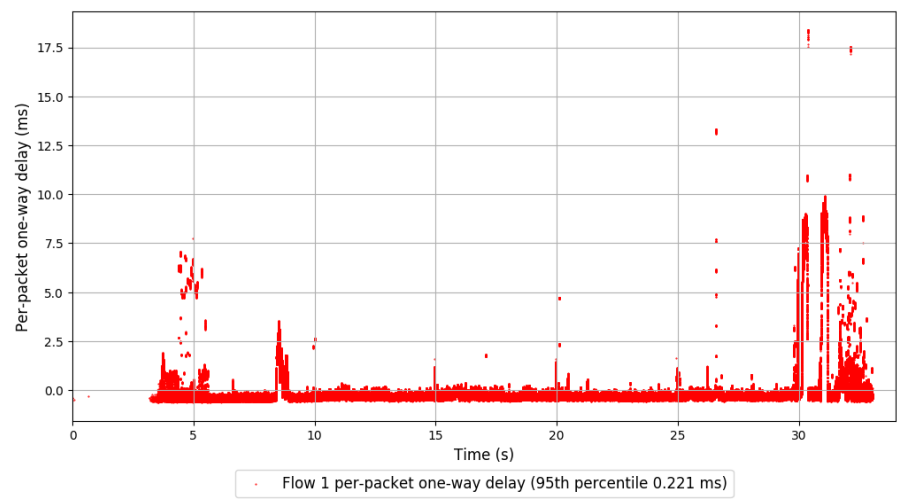
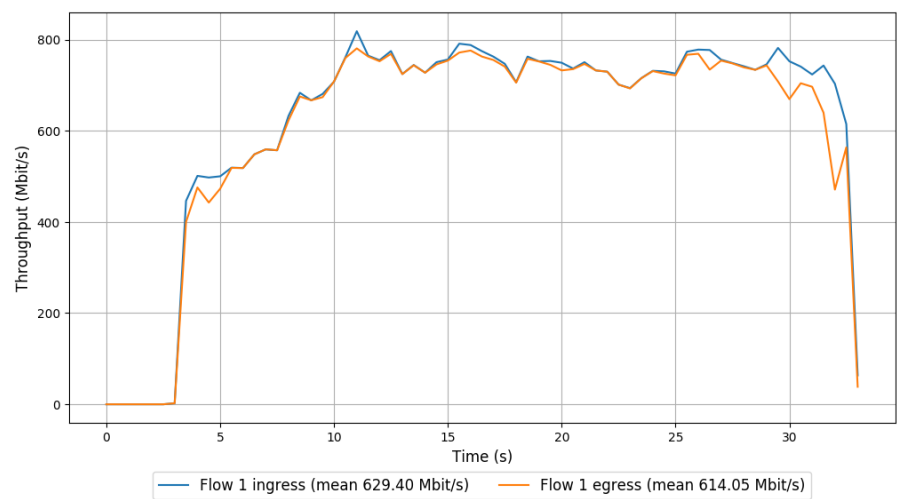
-- Flow 1:

Average throughput: 614.05 Mbit/s

95th percentile per-packet one-way delay: 0.221 ms

Loss rate: 2.50%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Tue, 04 Jul 2017 07:21:07 +0000

End at: Tue, 04 Jul 2017 07:21:37 +0000

Local clock offset: 0.042 ms

Remote clock offset: -1.434 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 555.83 Mbit/s

95th percentile per-packet one-way delay: 0.705 ms

Loss rate: 6.94%

-- Flow 1:

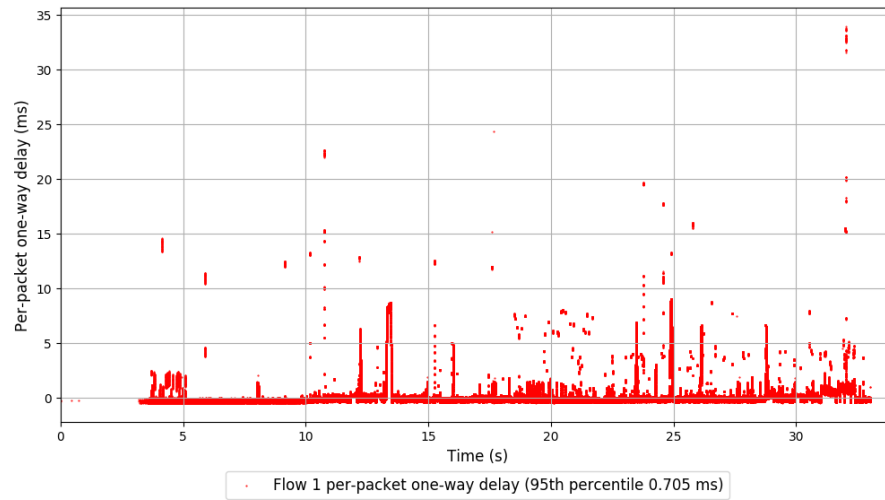
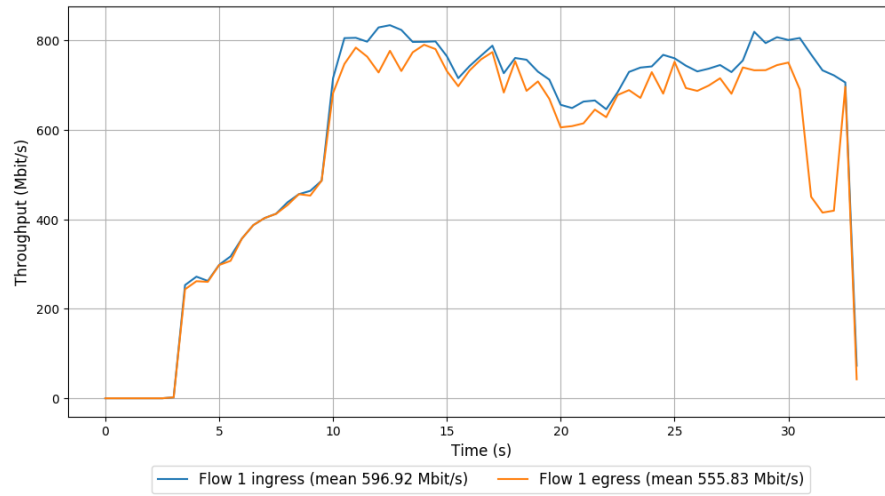
Average throughput: 555.83 Mbit/s

95th percentile per-packet one-way delay: 0.705 ms

Loss rate: 6.94%



### Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Tue, 04 Jul 2017 07:40:36 +0000

End at: Tue, 04 Jul 2017 07:41:06 +0000

Local clock offset: -0.228 ms

Remote clock offset: -1.333 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 663.34 Mbit/s

95th percentile per-packet one-way delay: 7.539 ms

Loss rate: 7.25%

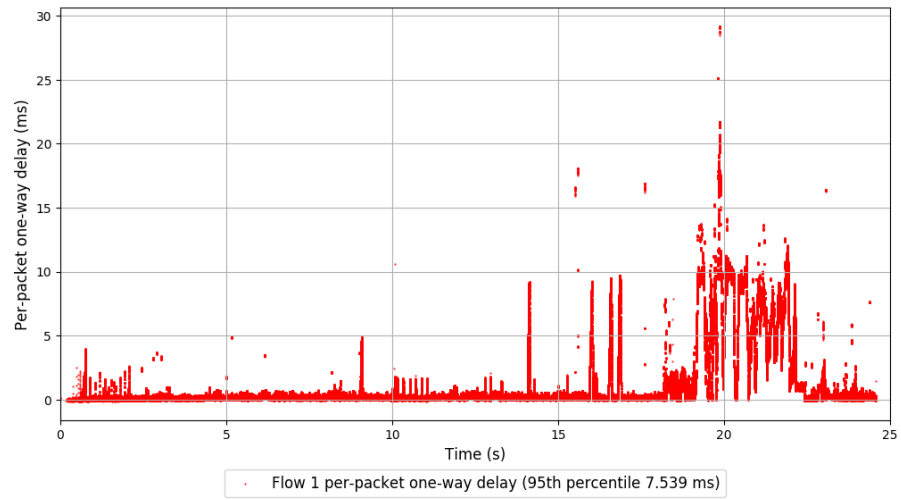
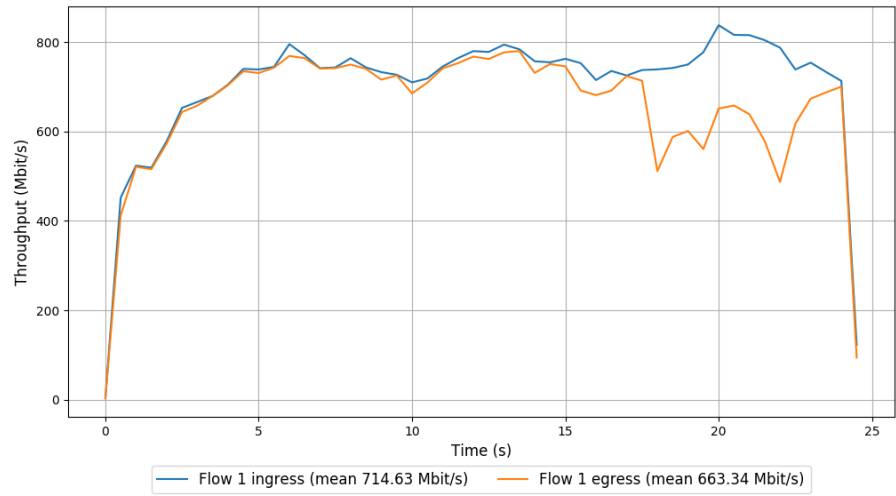
-- Flow 1:

Average throughput: 663.34 Mbit/s

95th percentile per-packet one-way delay: 7.539 ms

Loss rate: 7.25%

### Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic (toy)

Start at: Tue, 04 Jul 2017 04:49:50 +0000

End at: Tue, 04 Jul 2017 04:50:20 +0000

Local clock offset: 1.086 ms

Remote clock offset: -1.265 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:13 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.82 Mbit/s

95th percentile per-packet one-way delay: -1.177 ms

Loss rate: 0.03%

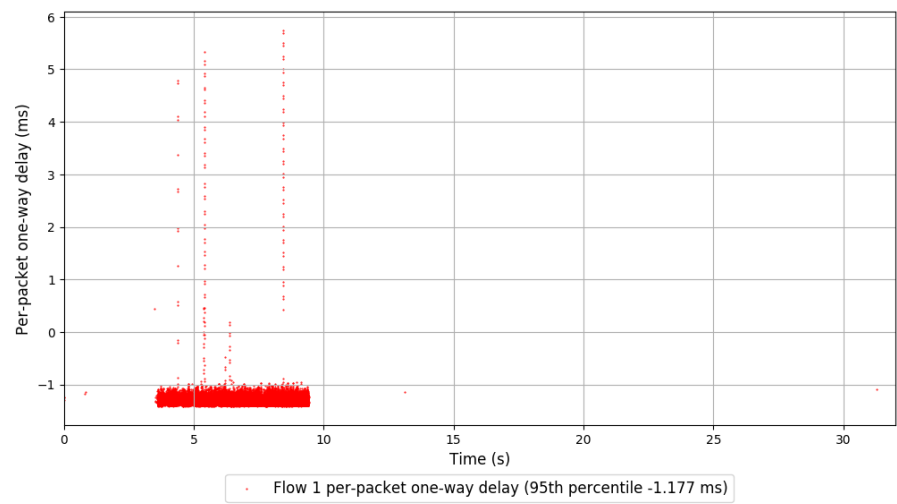
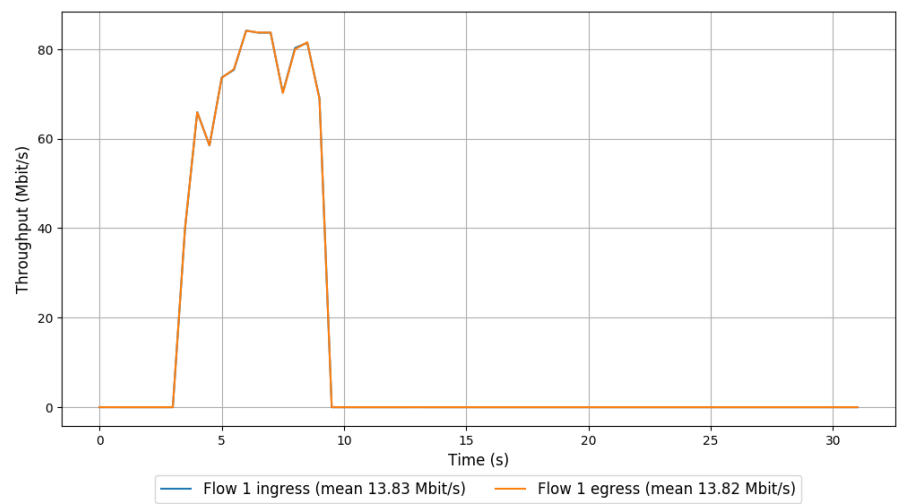
-- Flow 1:

Average throughput: 13.82 Mbit/s

95th percentile per-packet one-way delay: -1.177 ms

Loss rate: 0.03%

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



Run 2: Statistics of QUIC Cubic (toy)

Start at: Tue, 04 Jul 2017 05:09:24 +0000

End at: Tue, 04 Jul 2017 05:09:54 +0000

Local clock offset: 1.246 ms

Remote clock offset: -0.949 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:14 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.76 Mbit/s

95th percentile per-packet one-way delay: -0.927 ms

Loss rate: 0.27%

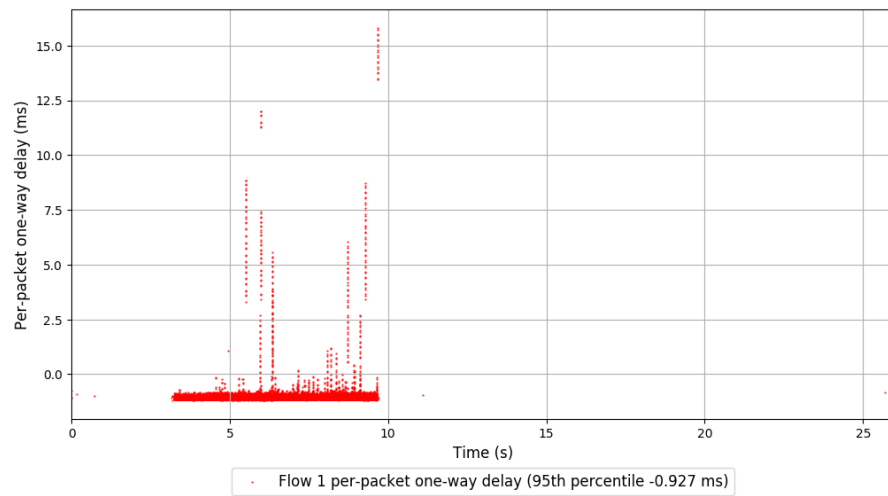
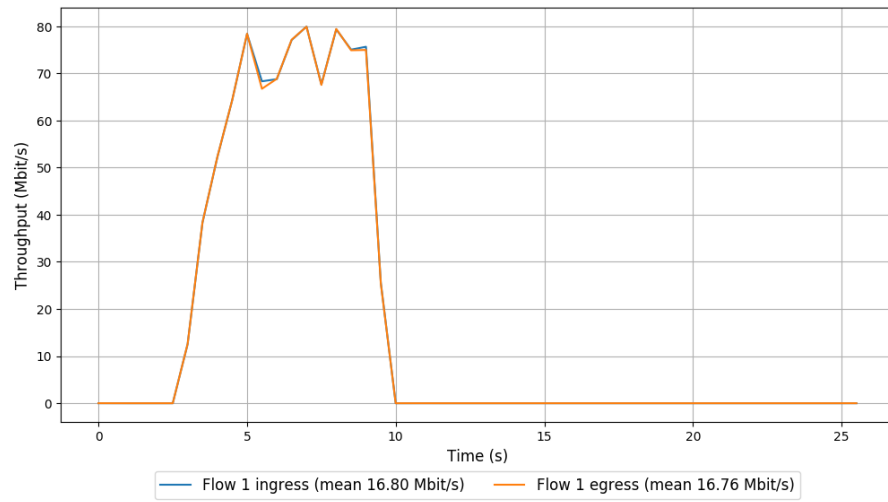
-- Flow 1:

Average throughput: 16.76 Mbit/s

95th percentile per-packet one-way delay: -0.927 ms

Loss rate: 0.27%

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



Run 3: Statistics of QUIC Cubic (toy)

Start at: Tue, 04 Jul 2017 05:28:09 +0000

End at: Tue, 04 Jul 2017 05:28:39 +0000

Local clock offset: 1.12 ms

Remote clock offset: -1.079 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:15 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.35 Mbit/s

95th percentile per-packet one-way delay: -0.972 ms

Loss rate: 3.76%

-- Flow 1:

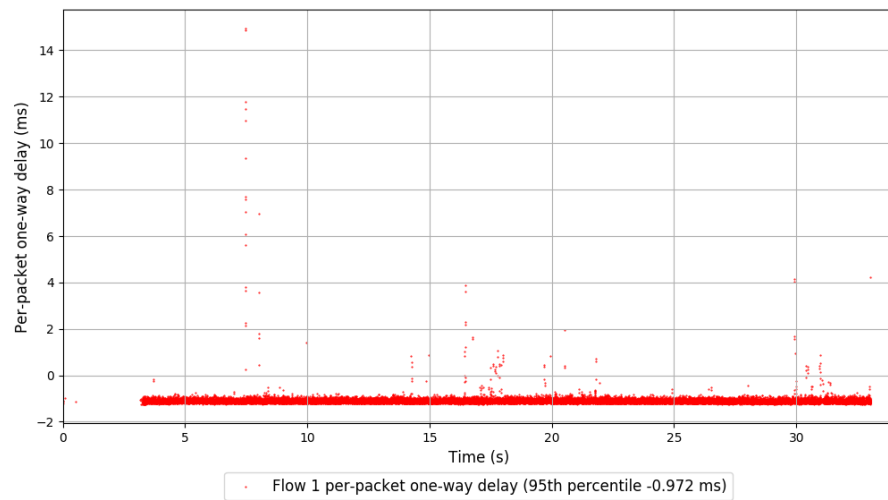
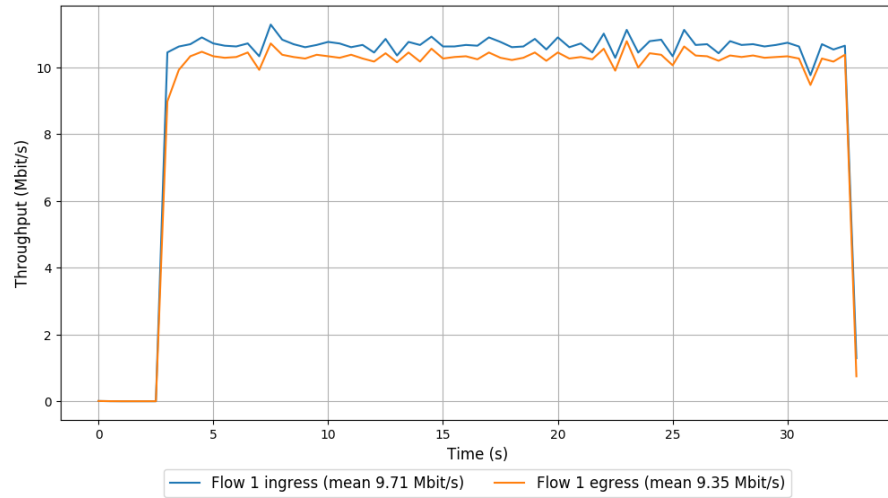
Average throughput: 9.35 Mbit/s

95th percentile per-packet one-way delay: -0.972 ms

Loss rate: 3.76%



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



Run 4: Statistics of QUIC Cubic (toy)

Start at: Tue, 04 Jul 2017 05:46:32 +0000

End at: Tue, 04 Jul 2017 05:47:02 +0000

Local clock offset: 1.178 ms

Remote clock offset: -1.512 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.84 Mbit/s

95th percentile per-packet one-way delay: -1.444 ms

Loss rate: 0.00%

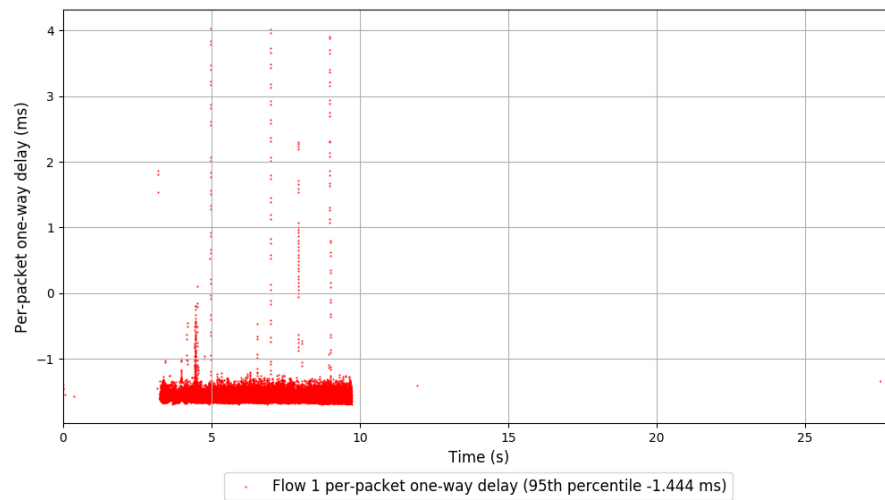
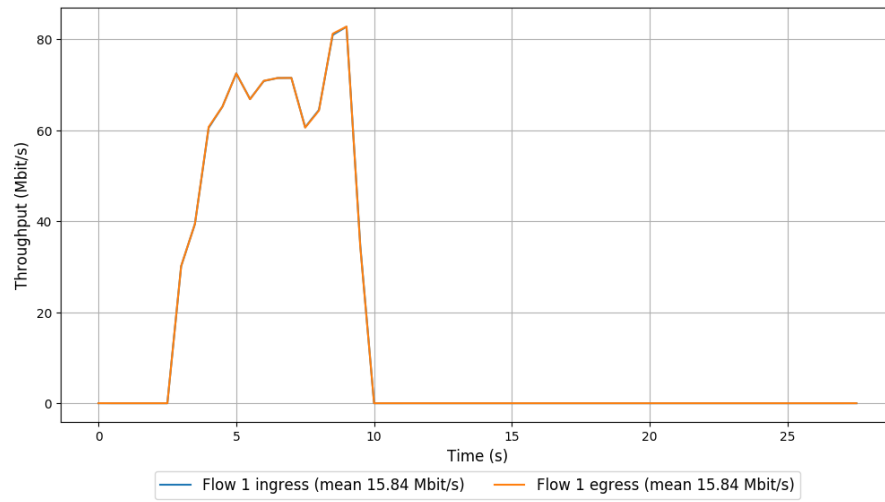
-- Flow 1:

Average throughput: 15.84 Mbit/s

95th percentile per-packet one-way delay: -1.444 ms

Loss rate: 0.00%

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



Run 5: Statistics of QUIC Cubic (toy)

Start at: Tue, 04 Jul 2017 06:06:04 +0000

End at: Tue, 04 Jul 2017 06:06:34 +0000

Local clock offset: 0.978 ms

Remote clock offset: -1.288 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:18 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.28 Mbit/s

95th percentile per-packet one-way delay: -1.033 ms

Loss rate: 0.00%

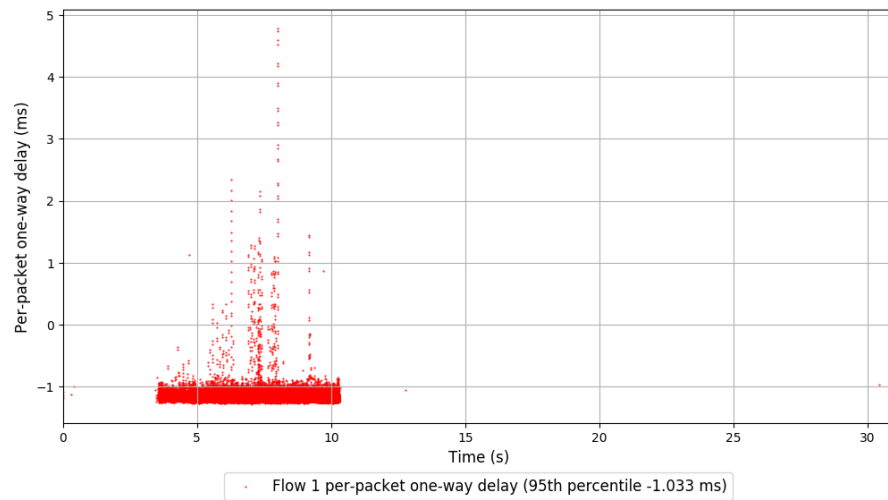
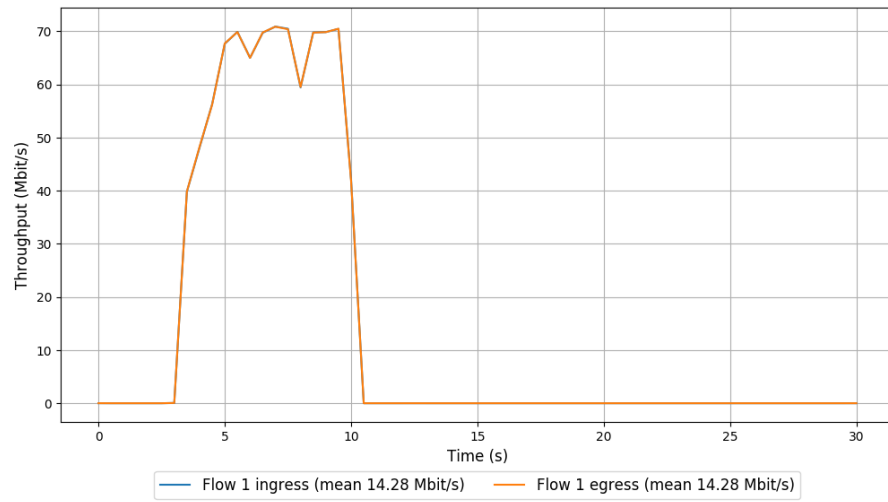
-- Flow 1:

Average throughput: 14.28 Mbit/s

95th percentile per-packet one-way delay: -1.033 ms

Loss rate: 0.00%

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



Run 6: Statistics of QUIC Cubic (toy)

Start at: Tue, 04 Jul 2017 06:24:40 +0000

End at: Tue, 04 Jul 2017 06:25:10 +0000

Local clock offset: 0.788 ms

Remote clock offset: -0.896 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.25 Mbit/s

95th percentile per-packet one-way delay: 0.462 ms

Loss rate: 7.14%

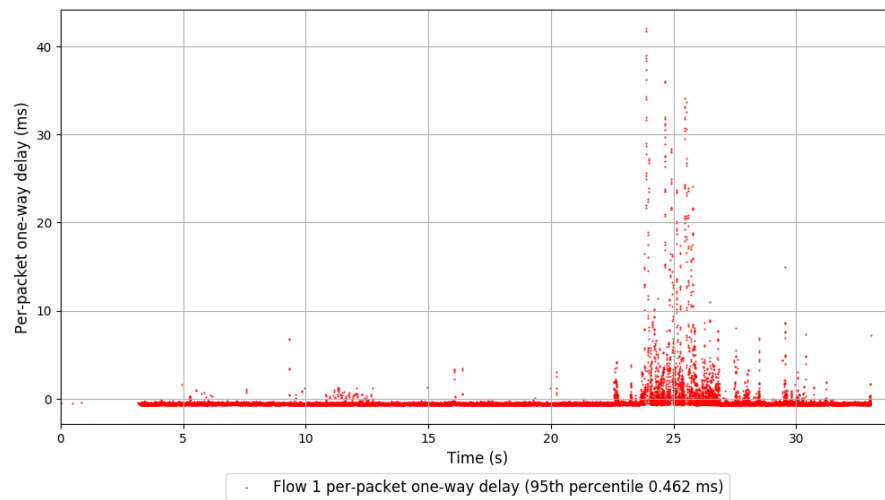
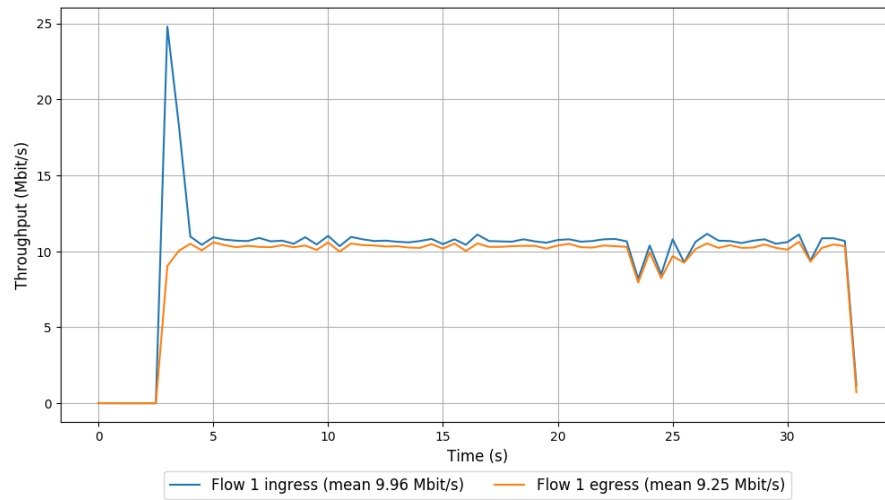
-- Flow 1:

Average throughput: 9.25 Mbit/s

95th percentile per-packet one-way delay: 0.462 ms

Loss rate: 7.14%

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



Run 7: Statistics of QUIC Cubic (toy)

Start at: Tue, 04 Jul 2017 06:43:18 +0000

End at: Tue, 04 Jul 2017 06:43:48 +0000

Local clock offset: 0.582 ms

Remote clock offset: -1.332 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.98 Mbit/s

95th percentile per-packet one-way delay: -0.710 ms

Loss rate: 0.19%

-- Flow 1:

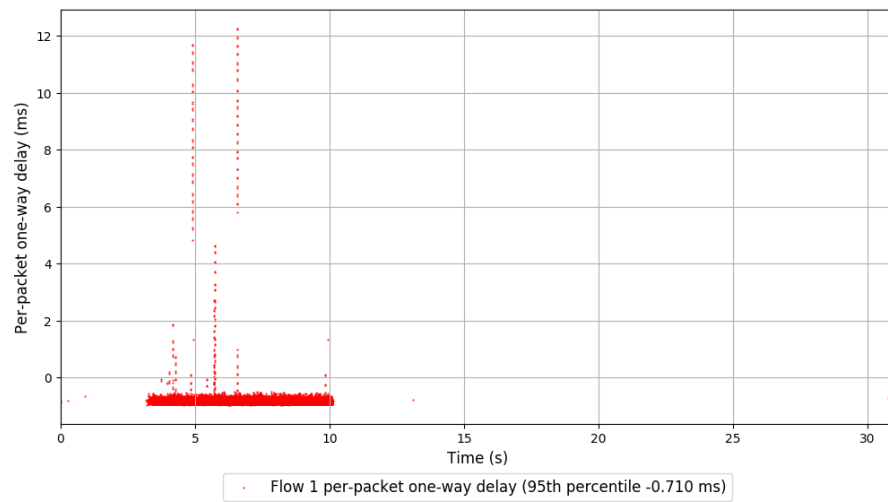
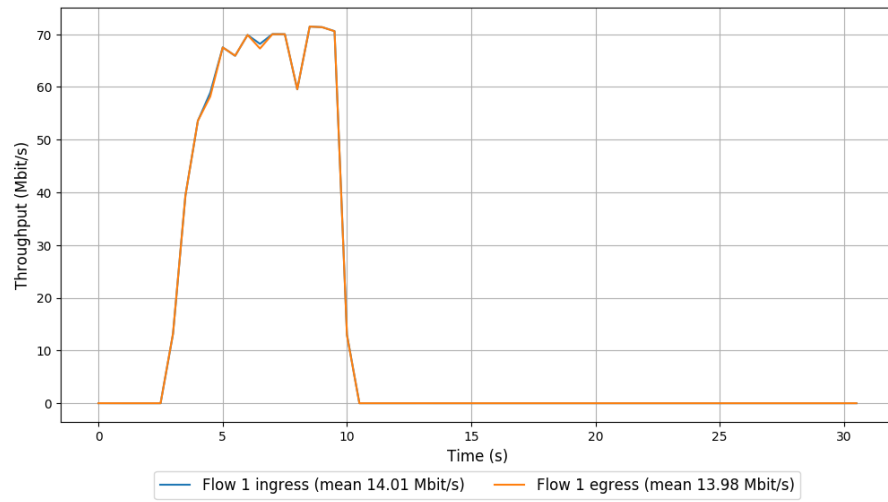
Average throughput: 13.98 Mbit/s

95th percentile per-packet one-way delay: -0.710 ms

Loss rate: 0.19%



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



Run 8: Statistics of QUIC Cubic (toy)

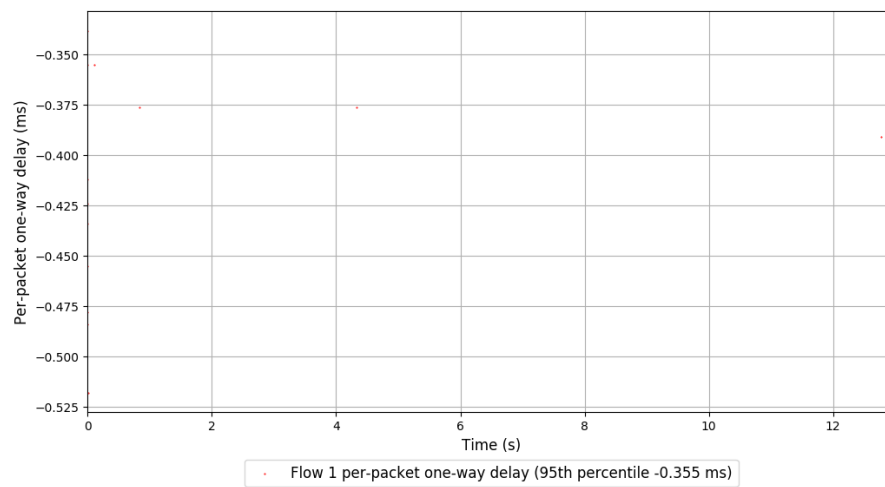
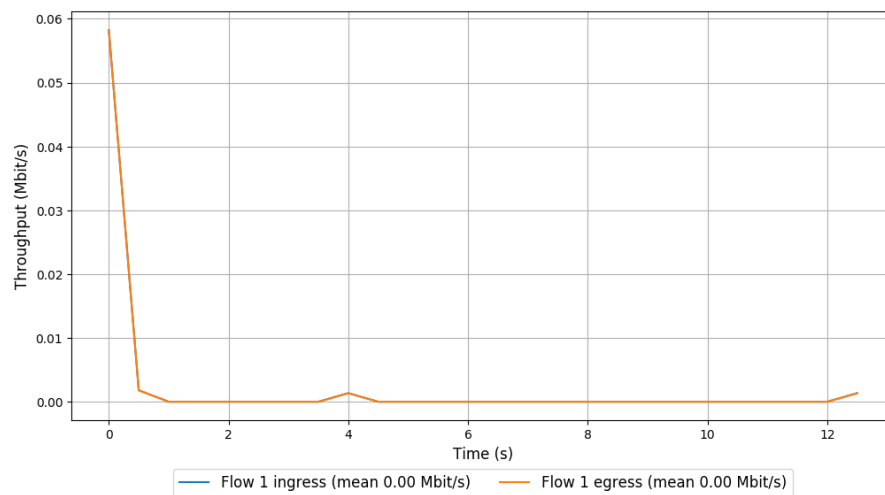
Start at: Tue, 04 Jul 2017 07:03:07 +0000

End at: Tue, 04 Jul 2017 07:03:37 +0000

Local clock offset: 0.311 ms

Remote clock offset: -1.357 ms

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



Run 9: Statistics of QUIC Cubic (toy)

Start at: Tue, 04 Jul 2017 07:22:38 +0000

End at: Tue, 04 Jul 2017 07:23:08 +0000

Local clock offset: 0.097 ms

Remote clock offset: -1.394 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.63 Mbit/s

95th percentile per-packet one-way delay: -0.153 ms

Loss rate: 0.00%

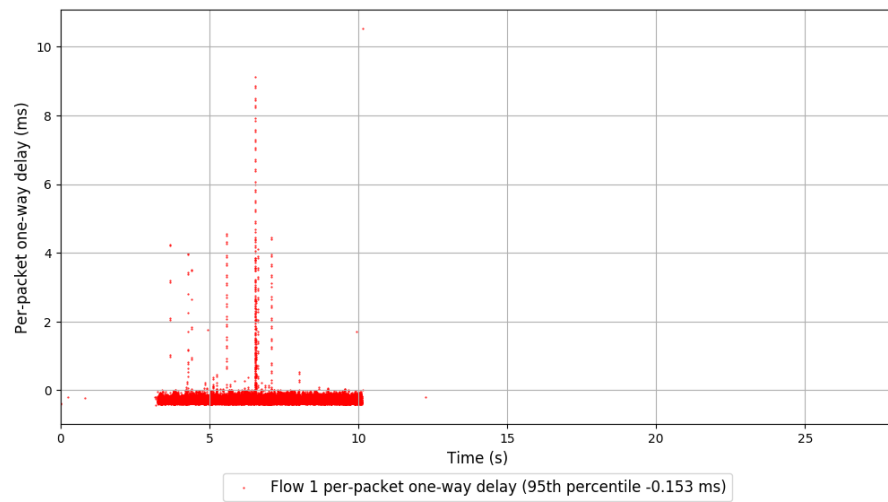
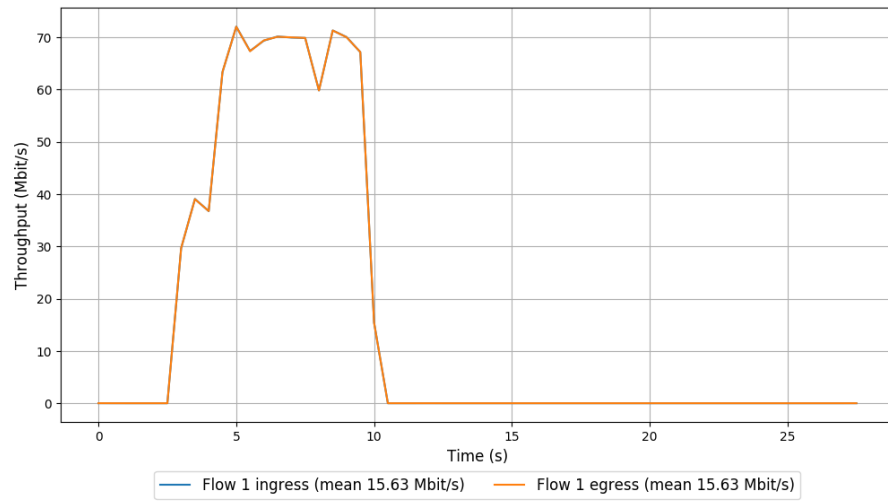
-- Flow 1:

Average throughput: 15.63 Mbit/s

95th percentile per-packet one-way delay: -0.153 ms

Loss rate: 0.00%

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



Run 10: Statistics of QUIC Cubic (toy)

Start at: Tue, 04 Jul 2017 07:42:05 +0000

End at: Tue, 04 Jul 2017 07:42:35 +0000

Local clock offset: -0.175 ms

Remote clock offset: -1.241 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.22 Mbit/s

95th percentile per-packet one-way delay: 0.143 ms

Loss rate: 0.00%

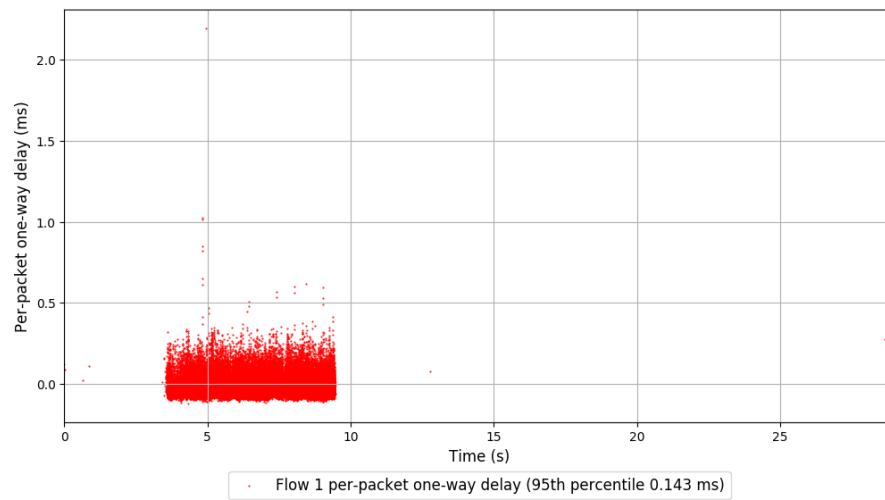
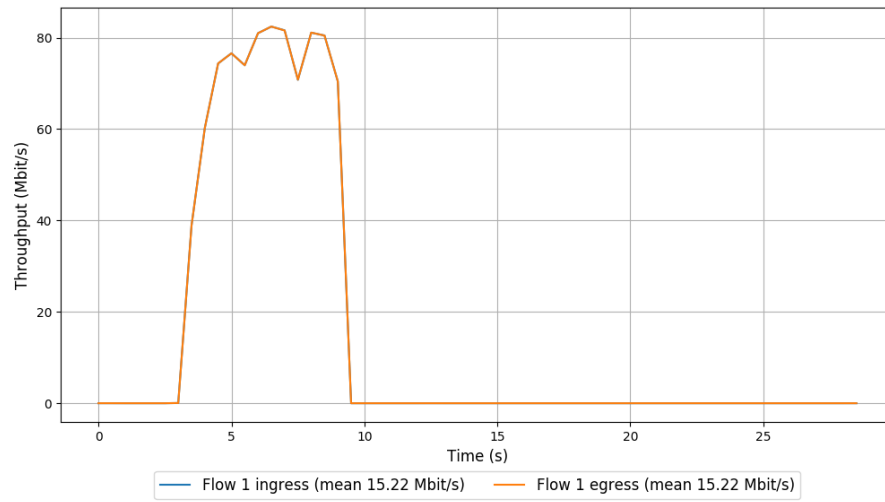
-- Flow 1:

Average throughput: 15.22 Mbit/s

95th percentile per-packet one-way delay: 0.143 ms

Loss rate: 0.00%

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



Run 1: Statistics of Saturator

Start at: Tue, 04 Jul 2017 04:58:59 +0000

End at: Tue, 04 Jul 2017 04:59:29 +0000

Local clock offset: 1.241 ms

Remote clock offset: -0.989 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 107.05 Mbit/s

95th percentile per-packet one-way delay: -0.932 ms

Loss rate: 0.56%

-- Flow 1:

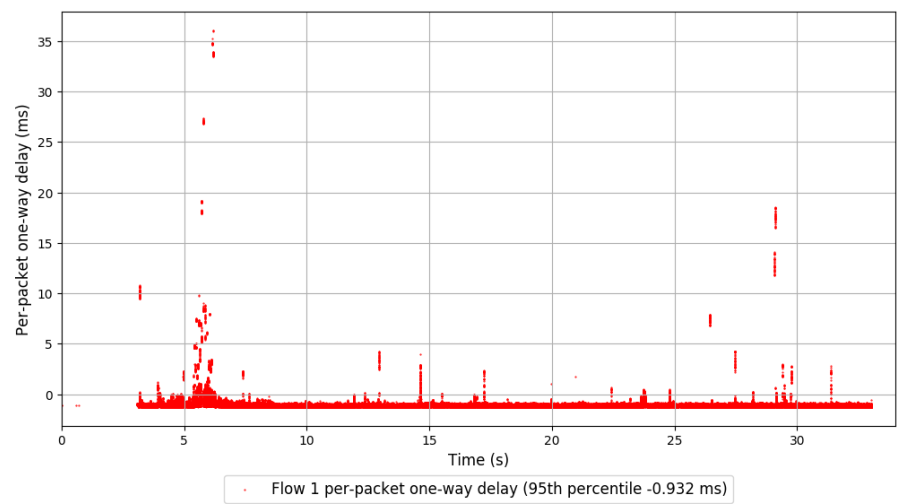
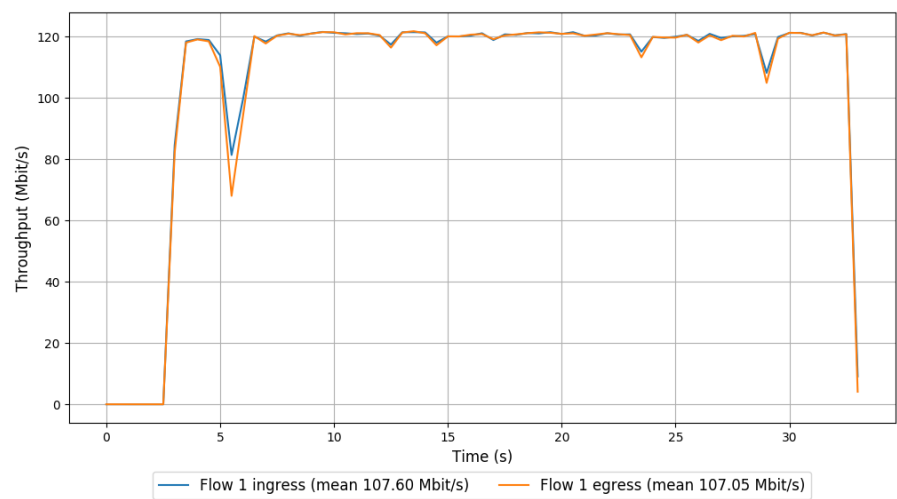
Average throughput: 107.05 Mbit/s

95th percentile per-packet one-way delay: -0.932 ms

Loss rate: 0.56%



Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Tue, 04 Jul 2017 05:18:45 +0000

End at: Tue, 04 Jul 2017 05:19:15 +0000

Local clock offset: 1.154 ms

Remote clock offset: -0.972 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.01 Mbit/s

95th percentile per-packet one-way delay: -0.755 ms

Loss rate: 49.93%

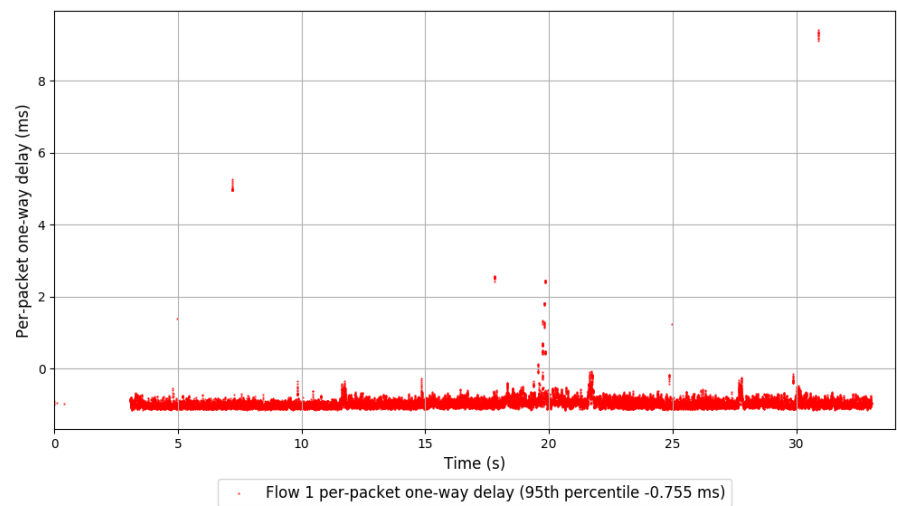
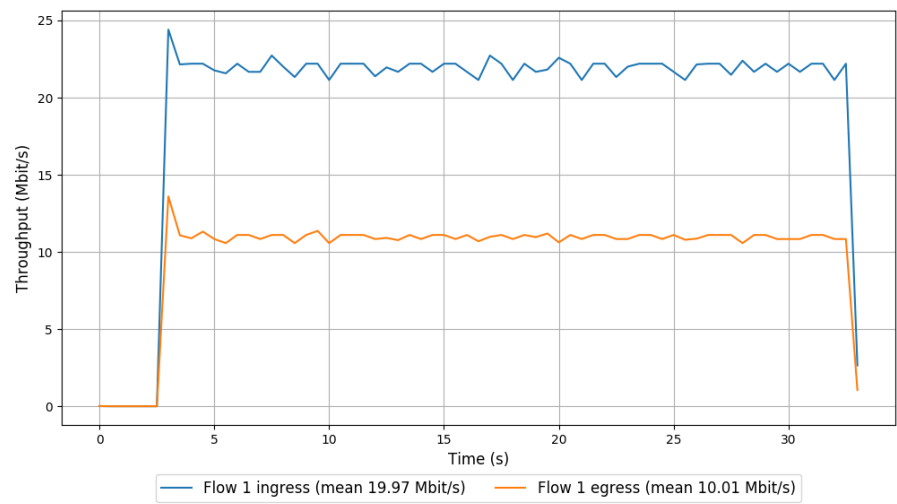
-- Flow 1:

Average throughput: 10.01 Mbit/s

95th percentile per-packet one-way delay: -0.755 ms

Loss rate: 49.93%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Tue, 04 Jul 2017 05:36:43 +0000

End at: Tue, 04 Jul 2017 05:37:13 +0000

Local clock offset: 1.117 ms

Remote clock offset: -1.286 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: -1.116 ms

Loss rate: 50.02%

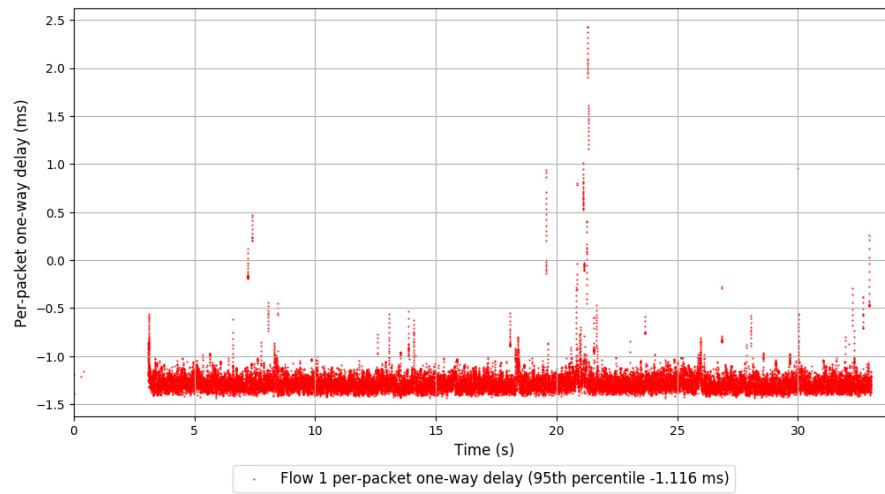
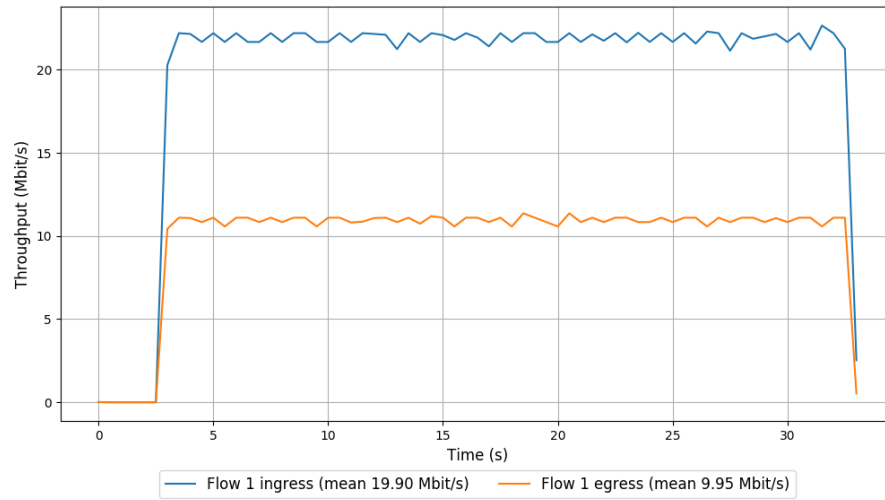
-- Flow 1:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: -1.116 ms

Loss rate: 50.02%

### Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Tue, 04 Jul 2017 05:55:36 +0000

End at: Tue, 04 Jul 2017 05:56:06 +0000

Local clock offset: 1.21 ms

Remote clock offset: -1.527 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 107.52 Mbit/s

95th percentile per-packet one-way delay: -1.280 ms

Loss rate: 0.53%

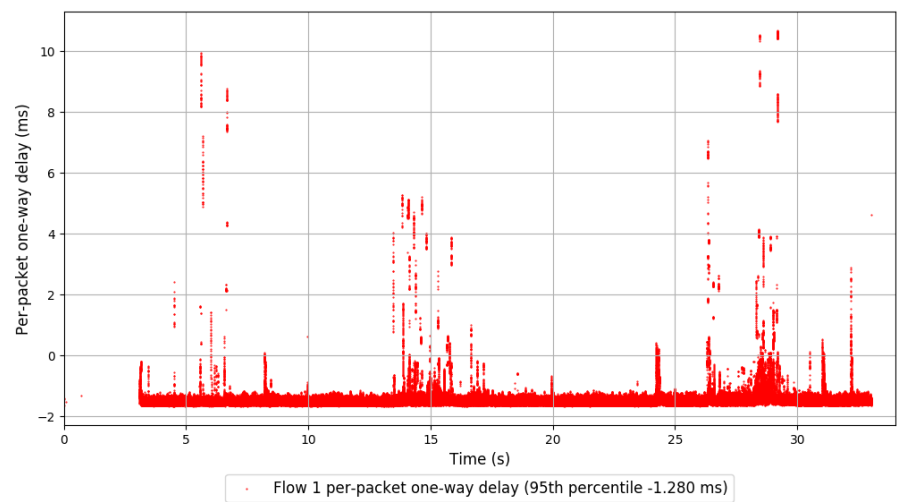
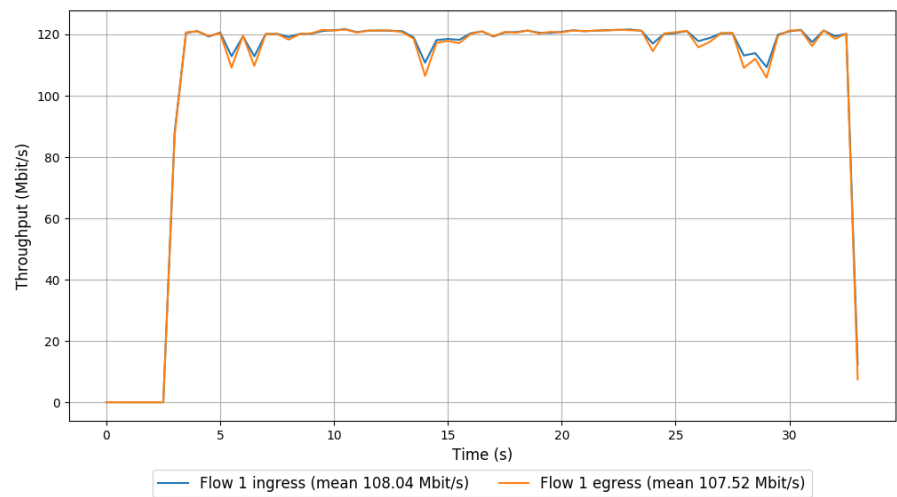
-- Flow 1:

Average throughput: 107.52 Mbit/s

95th percentile per-packet one-way delay: -1.280 ms

Loss rate: 0.53%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Tue, 04 Jul 2017 06:15:15 +0000

End at: Tue, 04 Jul 2017 06:15:45 +0000

Local clock offset: 0.86 ms

Remote clock offset: -1.069 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: -0.559 ms

Loss rate: 50.02%

-- Flow 1:

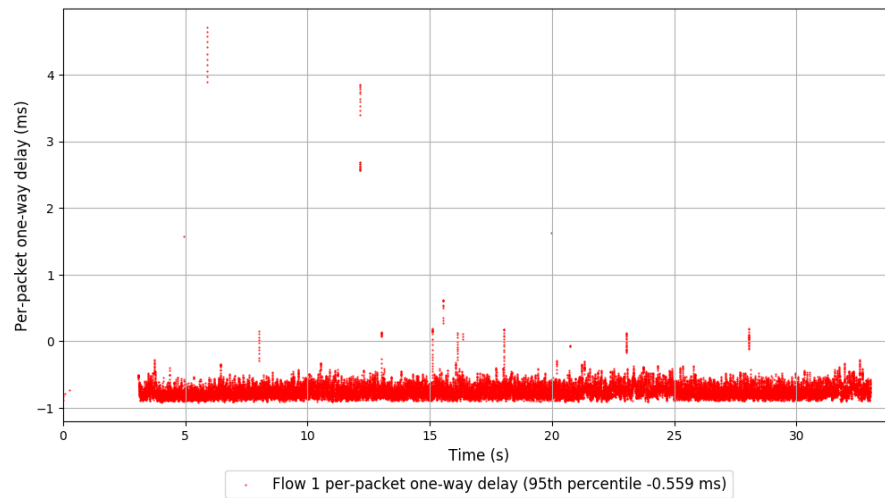
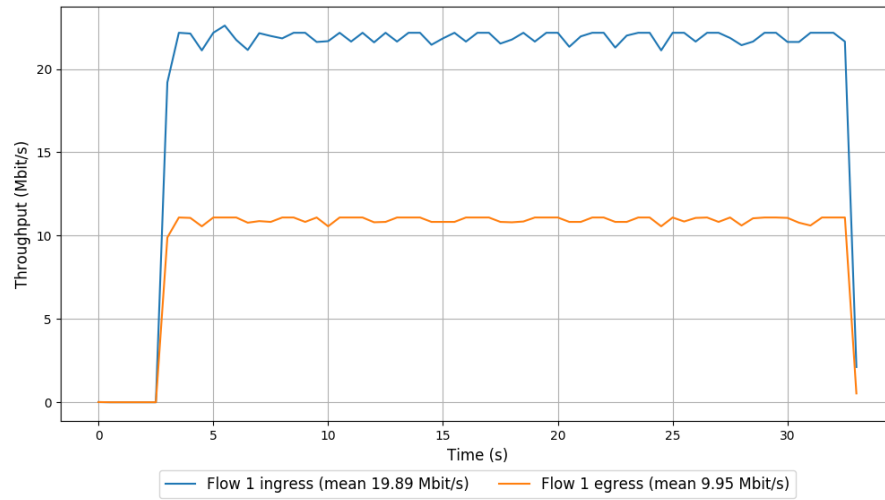
Average throughput: 9.95 Mbit/s

95th percentile per-packet one-way delay: -0.559 ms

Loss rate: 50.02%



### Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Tue, 04 Jul 2017 06:33:23 +0000

End at: Tue, 04 Jul 2017 06:33:53 +0000

Local clock offset: 0.659 ms

Remote clock offset: -1.121 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:28:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.00 Mbit/s

95th percentile per-packet one-way delay: -0.430 ms

Loss rate: 49.94%

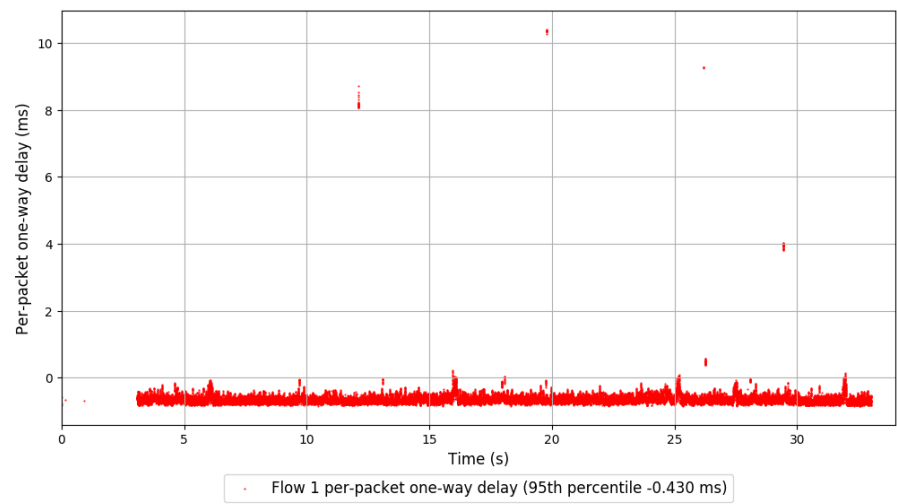
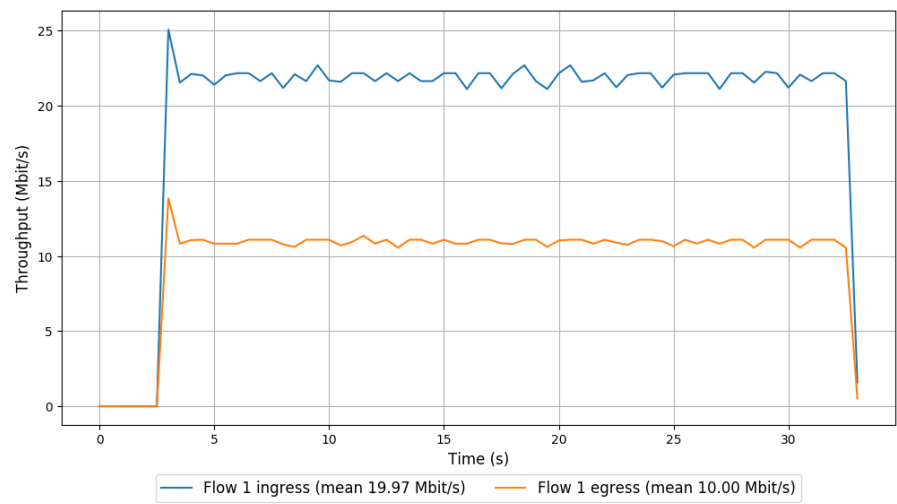
-- Flow 1:

Average throughput: 10.00 Mbit/s

95th percentile per-packet one-way delay: -0.430 ms

Loss rate: 49.94%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Tue, 04 Jul 2017 06:52:39 +0000

End at: Tue, 04 Jul 2017 06:53:09 +0000

Local clock offset: 0.431 ms

Remote clock offset: -1.335 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:02 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 107.63 Mbit/s

95th percentile per-packet one-way delay: -0.352 ms

Loss rate: 0.42%

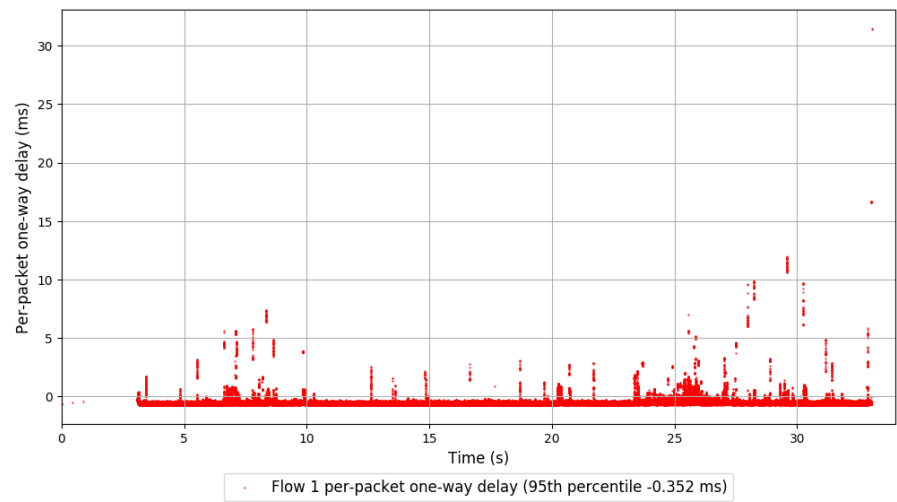
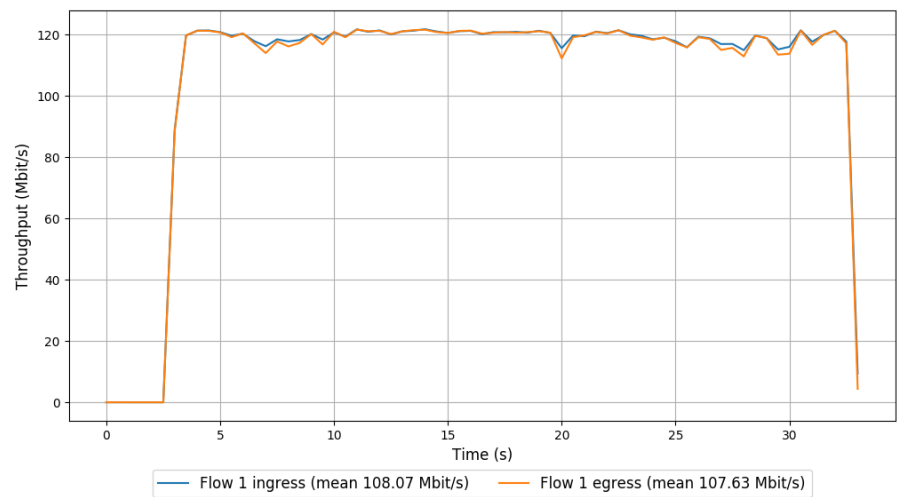
-- Flow 1:

Average throughput: 107.63 Mbit/s

95th percentile per-packet one-way delay: -0.352 ms

Loss rate: 0.42%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Tue, 04 Jul 2017 07:12:06 +0000

End at: Tue, 04 Jul 2017 07:12:36 +0000

Local clock offset: 0.116 ms

Remote clock offset: -1.331 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 107.52 Mbit/s

95th percentile per-packet one-way delay: -0.168 ms

Loss rate: 0.45%

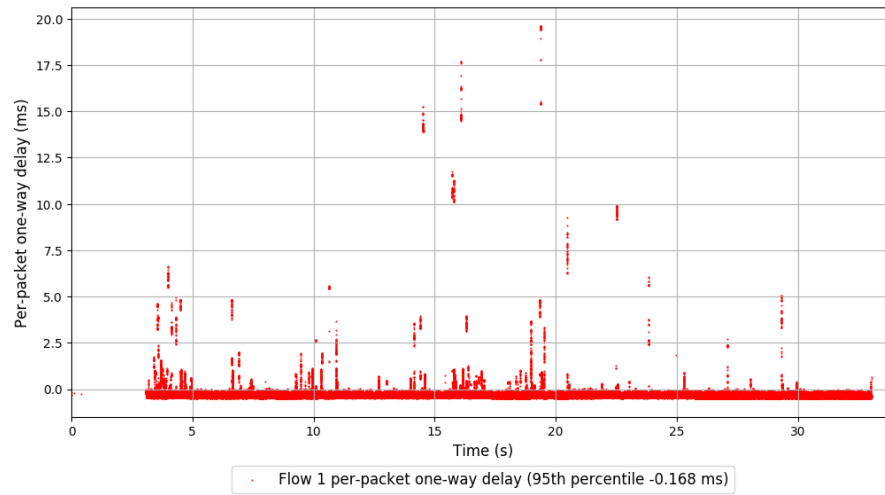
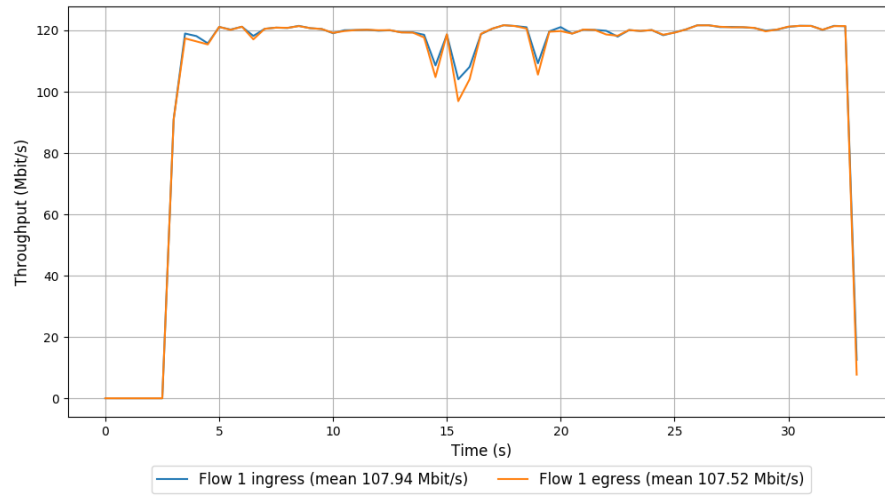
-- Flow 1:

Average throughput: 107.52 Mbit/s

95th percentile per-packet one-way delay: -0.168 ms

Loss rate: 0.45%

## Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Tue, 04 Jul 2017 07:31:38 +0000

End at: Tue, 04 Jul 2017 07:32:08 +0000

Local clock offset: -0.021 ms

Remote clock offset: -1.301 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 106.52 Mbit/s

95th percentile per-packet one-way delay: 0.201 ms

Loss rate: 0.66%

-- Flow 1:

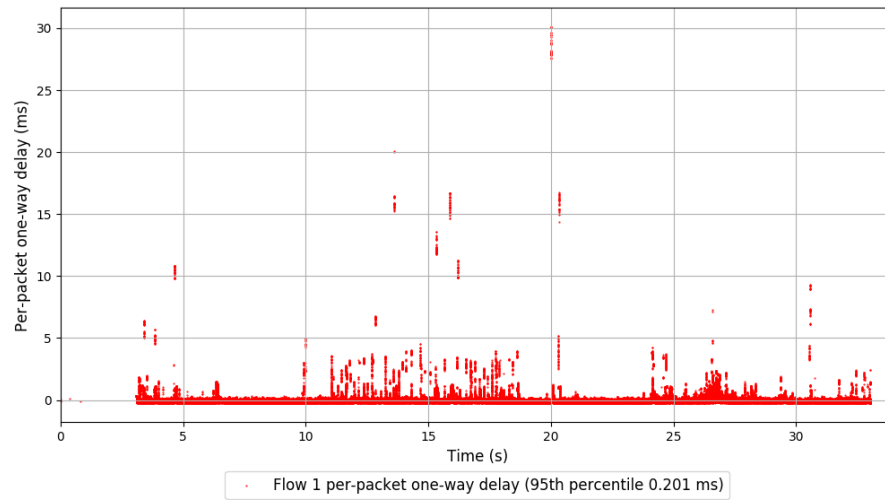
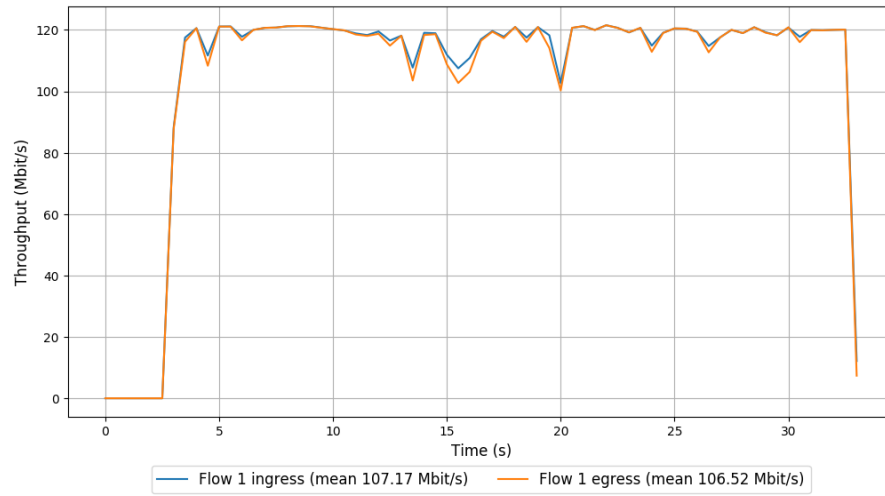
Average throughput: 106.52 Mbit/s

95th percentile per-packet one-way delay: 0.201 ms

Loss rate: 0.66%



### Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Tue, 04 Jul 2017 07:51:12 +0000

End at: Tue, 04 Jul 2017 07:51:42 +0000

Local clock offset: -0.221 ms

Remote clock offset: -1.11 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 107.65 Mbit/s

95th percentile per-packet one-way delay: 0.496 ms

Loss rate: 0.47%

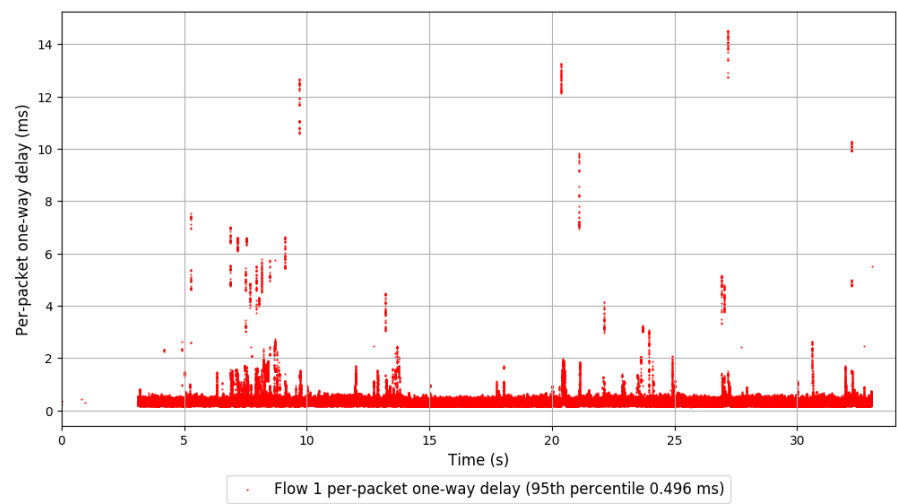
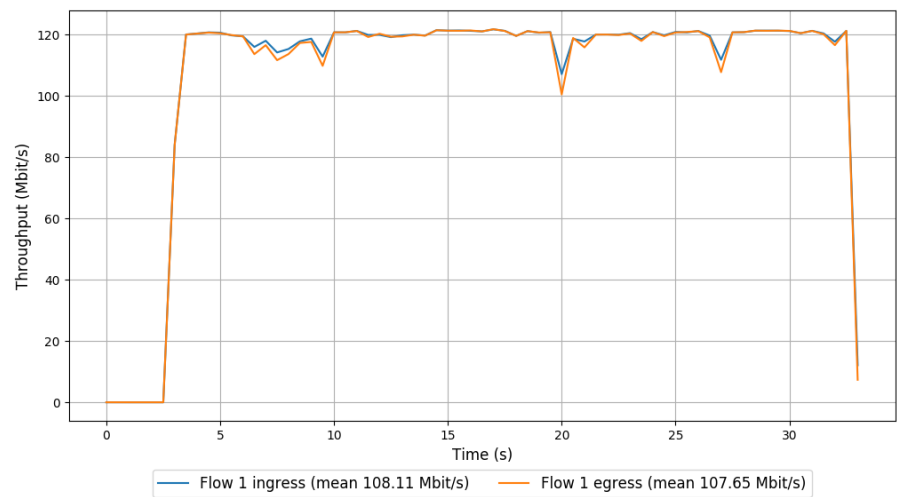
-- Flow 1:

Average throughput: 107.65 Mbit/s

95th percentile per-packet one-way delay: 0.496 ms

Loss rate: 0.47%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 05:01:46 +0000

End at: Tue, 04 Jul 2017 05:02:16 +0000

Local clock offset: 1.162 ms

Remote clock offset: -0.999 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.778 ms

Loss rate: 0.13%

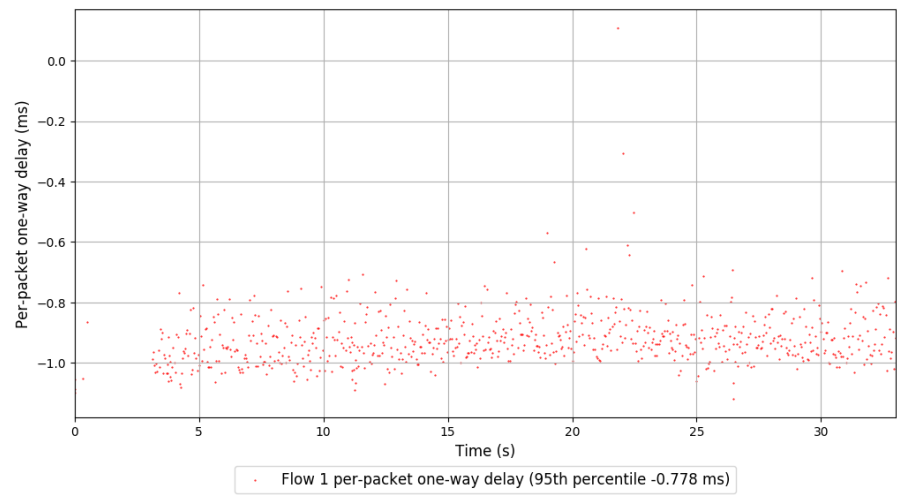
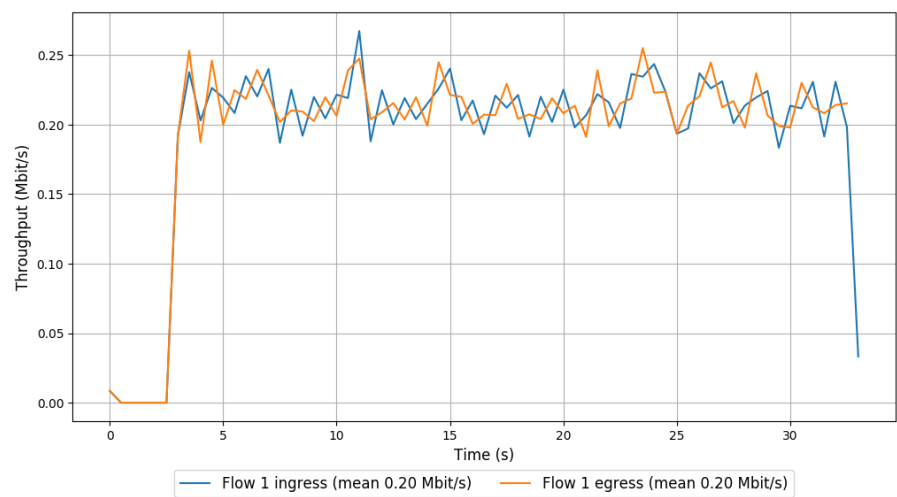
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.778 ms

Loss rate: 0.13%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 05:21:07 +0000

End at: Tue, 04 Jul 2017 05:21:37 +0000

Local clock offset: 1.15 ms

Remote clock offset: -0.97 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.710 ms

Loss rate: 0.13%

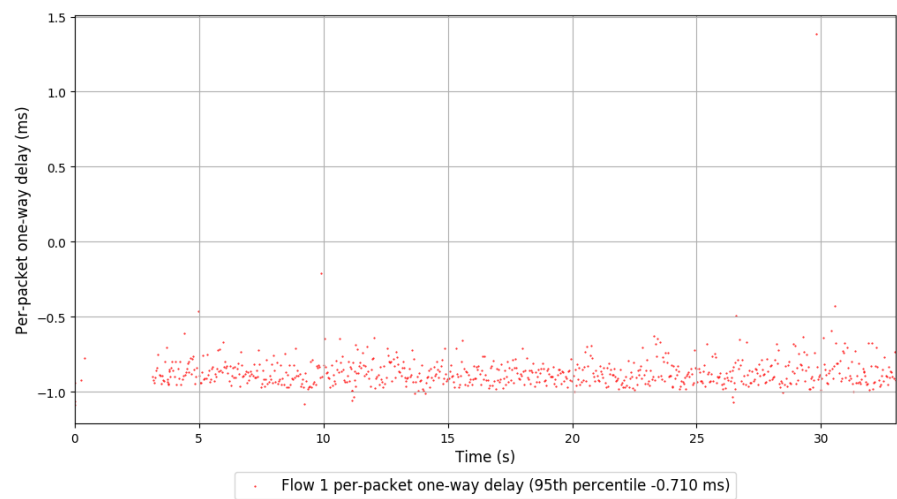
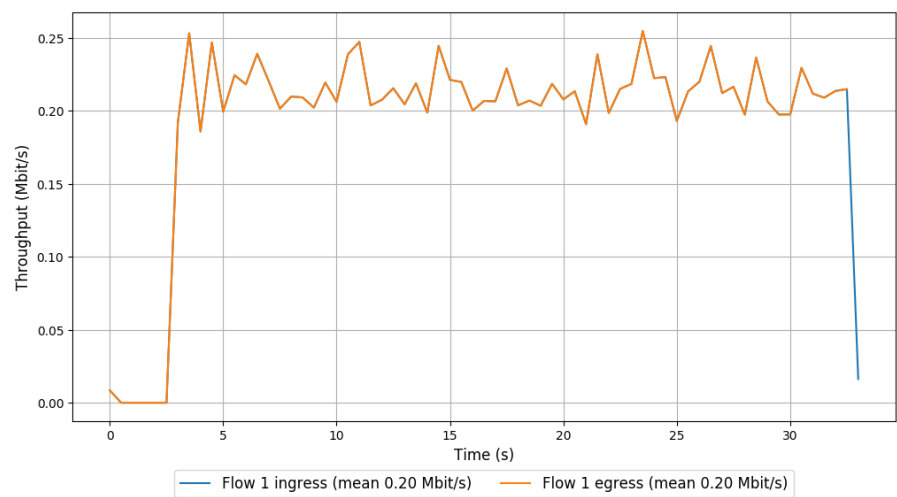
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.710 ms

Loss rate: 0.13%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 05:39:05 +0000

End at: Tue, 04 Jul 2017 05:39:35 +0000

Local clock offset: 1.11 ms

Remote clock offset: -1.274 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -1.100 ms

Loss rate: 0.13%

-- Flow 1:

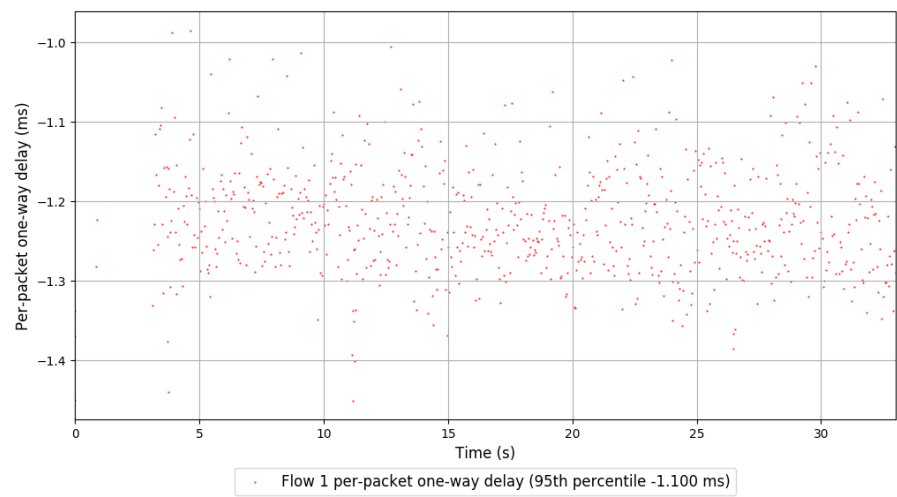
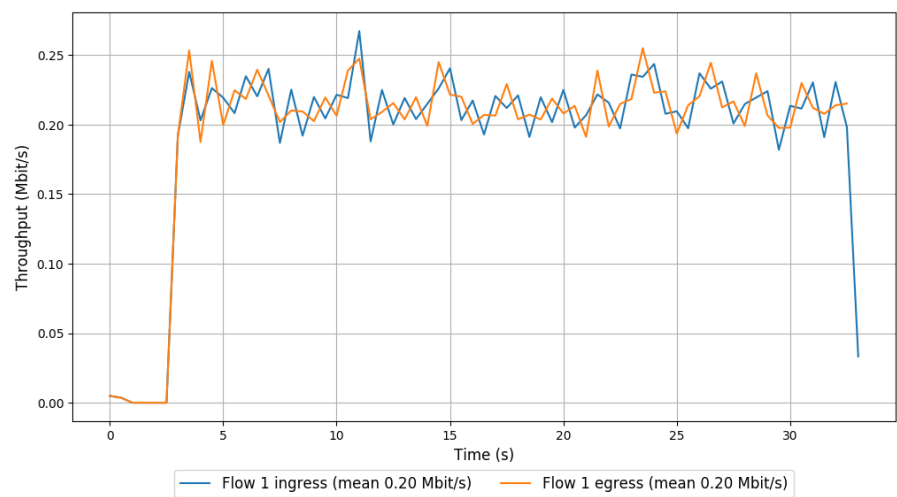
Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -1.100 ms

Loss rate: 0.13%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 05:58:23 +0000

End at: Tue, 04 Jul 2017 05:58:53 +0000

Local clock offset: 1.068 ms

Remote clock offset: -1.387 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -1.149 ms

Loss rate: 0.13%

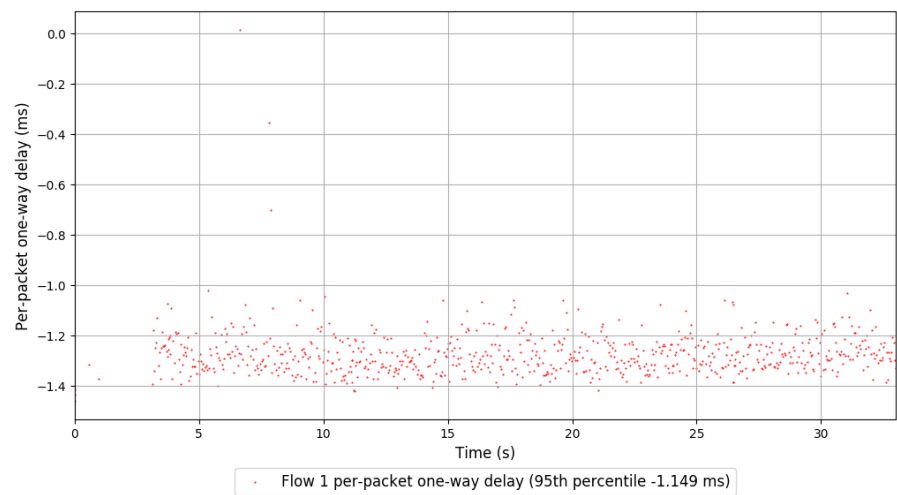
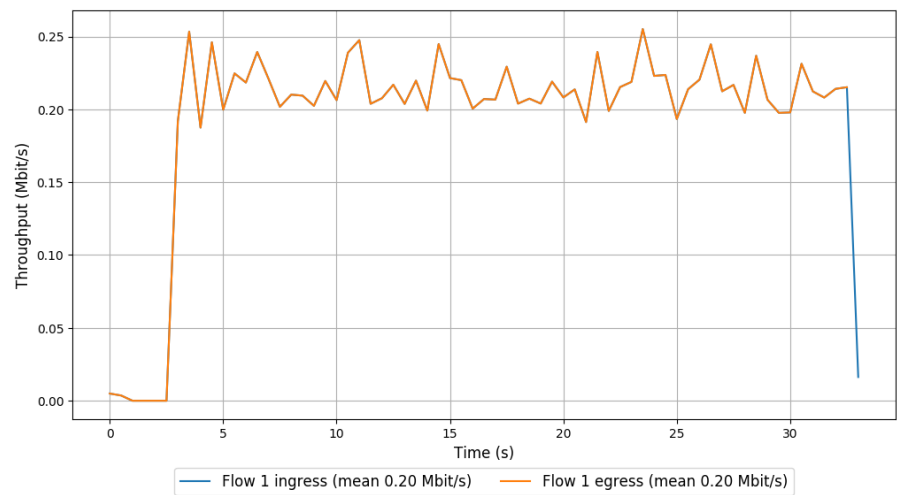
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -1.149 ms

Loss rate: 0.13%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 06:17:38 +0000

End at: Tue, 04 Jul 2017 06:18:08 +0000

Local clock offset: 0.827 ms

Remote clock offset: -0.968 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.424 ms

Loss rate: 0.00%

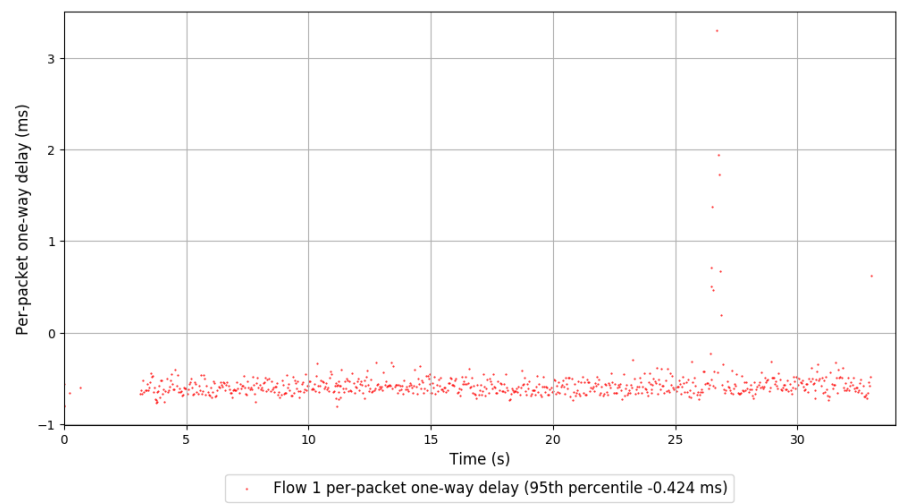
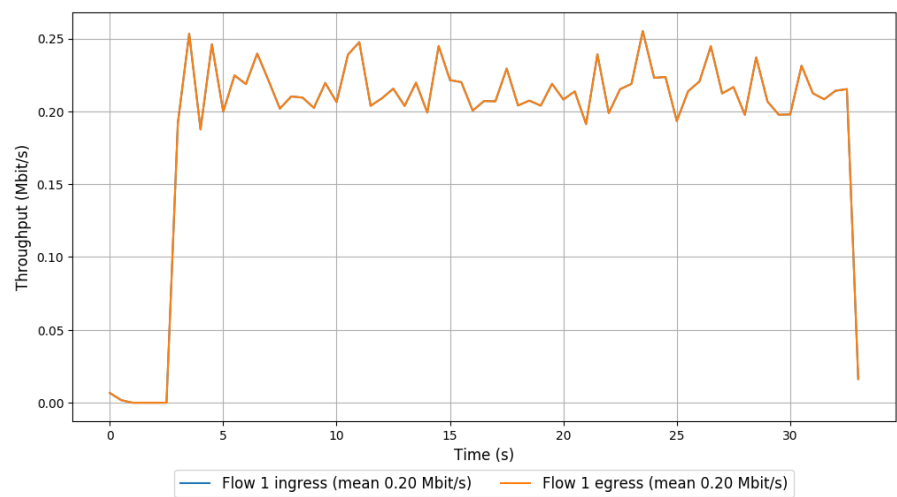
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.424 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 06:35:47 +0000

End at: Tue, 04 Jul 2017 06:36:17 +0000

Local clock offset: 0.644 ms

Remote clock offset: -1.184 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.478 ms

Loss rate: 0.00%

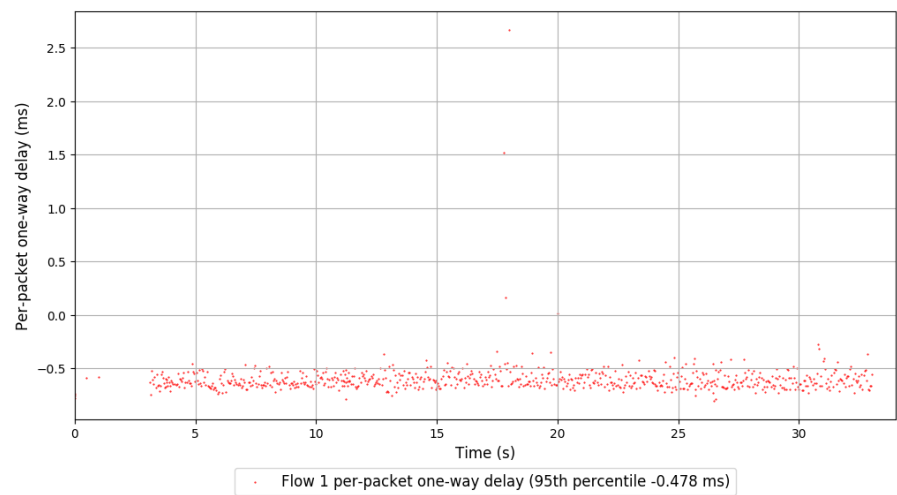
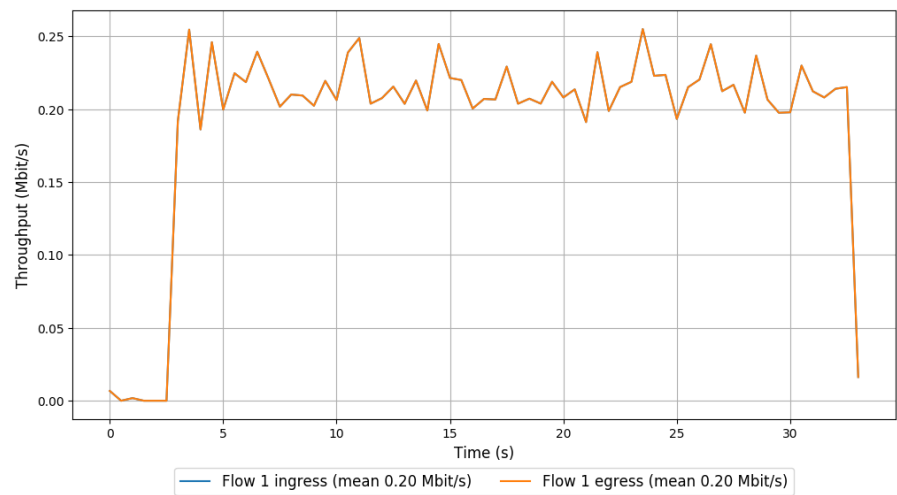
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.478 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 06:55:17 +0000

End at: Tue, 04 Jul 2017 06:55:47 +0000

Local clock offset: 0.326 ms

Remote clock offset: -1.288 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.285 ms

Loss rate: 0.13%

-- Flow 1:

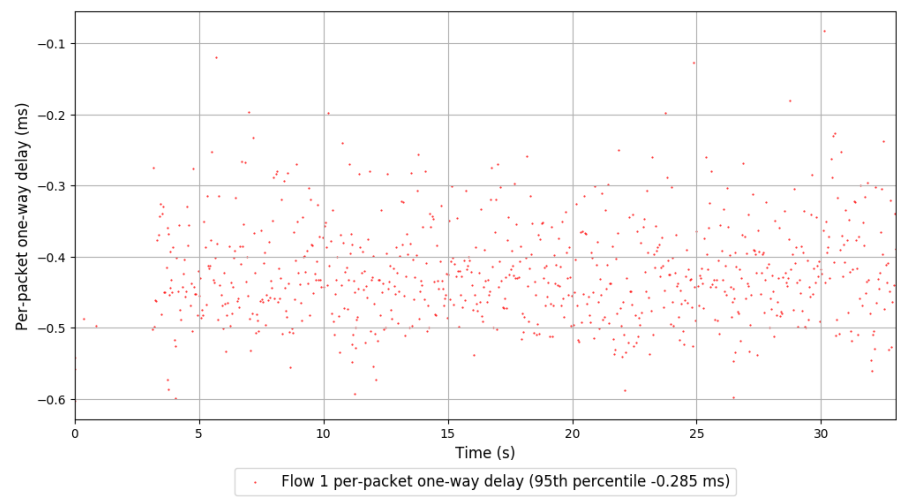
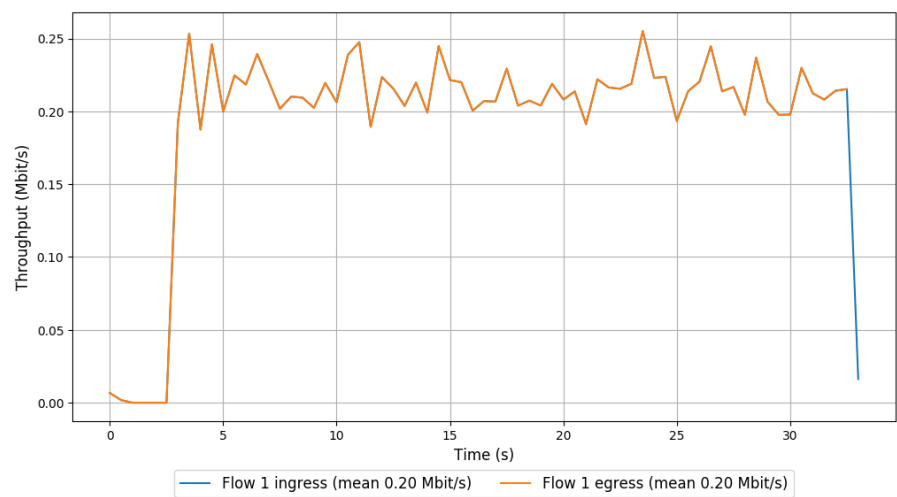
Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.285 ms

Loss rate: 0.13%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 07:14:53 +0000

End at: Tue, 04 Jul 2017 07:15:23 +0000

Local clock offset: 0.085 ms

Remote clock offset: -1.297 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.051 ms

Loss rate: 0.13%

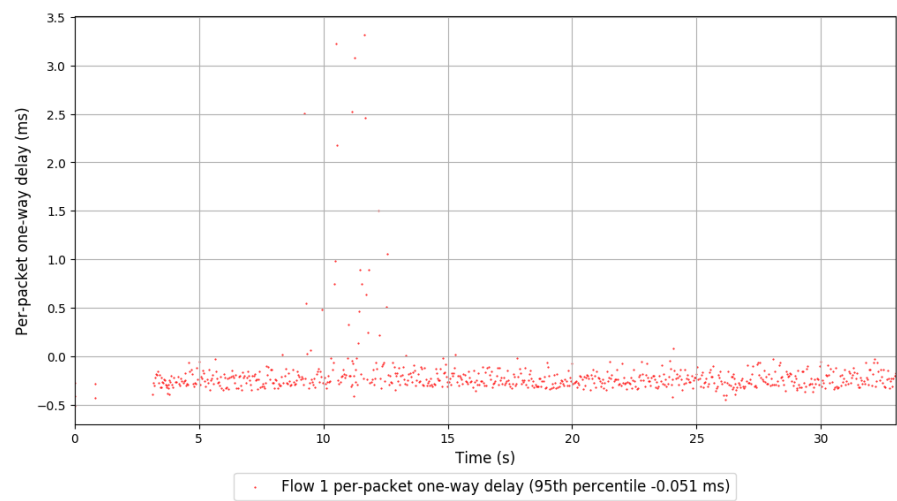
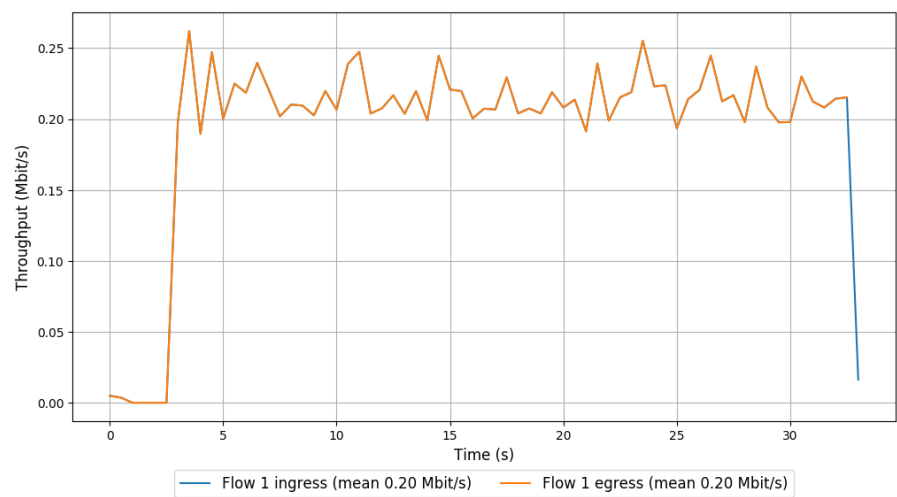
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: -0.051 ms

Loss rate: 0.13%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 07:34:25 +0000

End at: Tue, 04 Jul 2017 07:34:55 +0000

Local clock offset: -0.06 ms

Remote clock offset: -1.371 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.177 ms

Loss rate: 0.13%

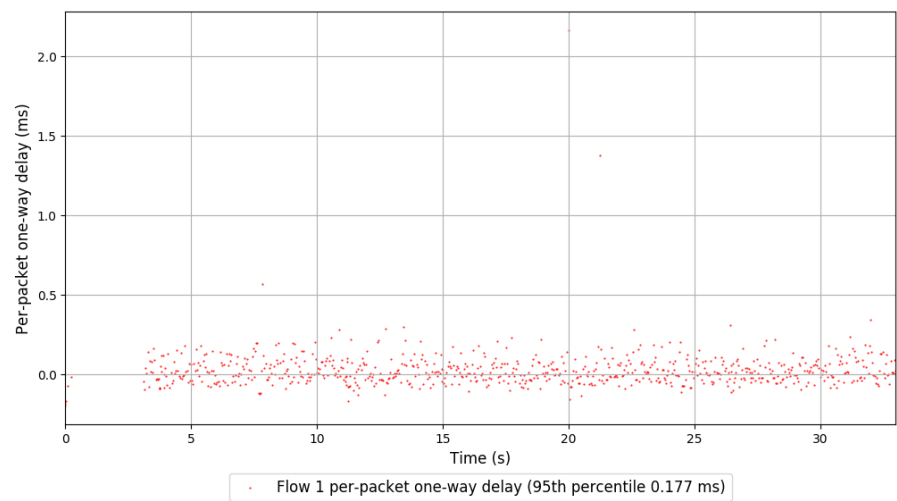
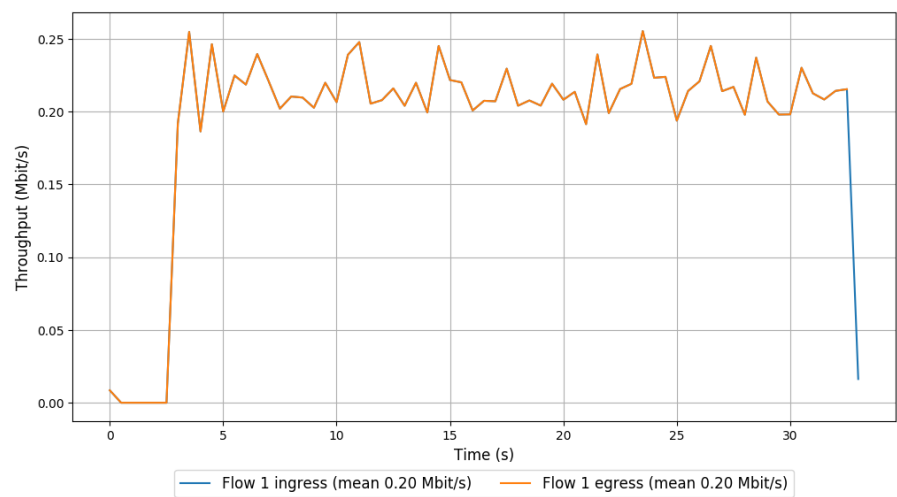
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.177 ms

Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 07:53:51 +0000

End at: Tue, 04 Jul 2017 07:54:21 +0000

Local clock offset: -0.224 ms

Remote clock offset: -1.041 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.582 ms

Loss rate: 0.13%

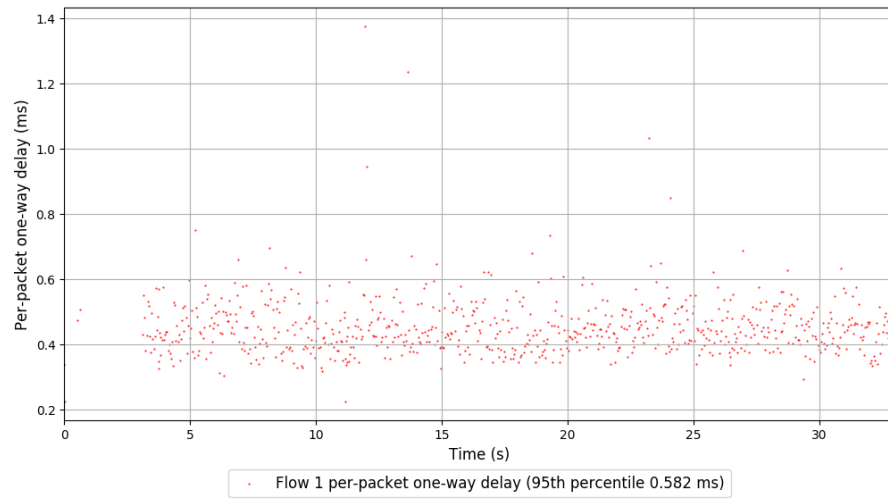
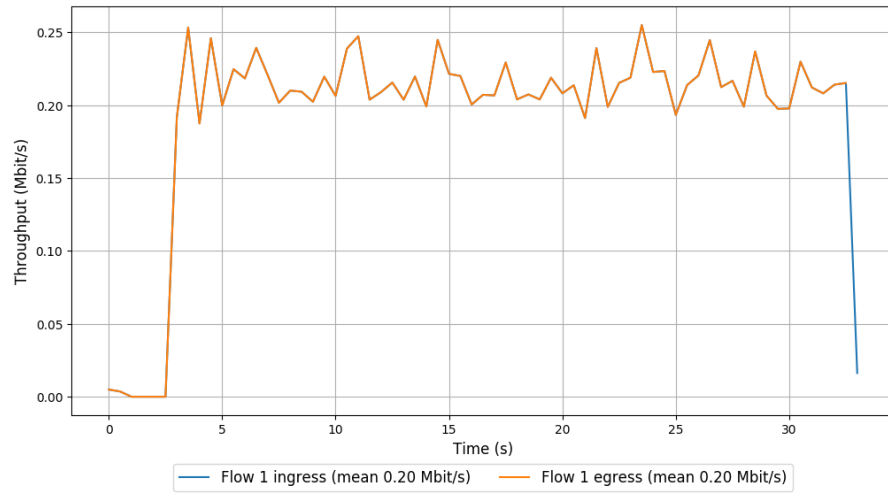
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.582 ms

Loss rate: 0.13%

## Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Tue, 04 Jul 2017 05:04:10 +0000

End at: Tue, 04 Jul 2017 05:04:40 +0000

Local clock offset: 1.284 ms

Remote clock offset: -0.969 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:28 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.31 Mbit/s

95th percentile per-packet one-way delay: -0.887 ms

Loss rate: 0.35%

-- Flow 1:

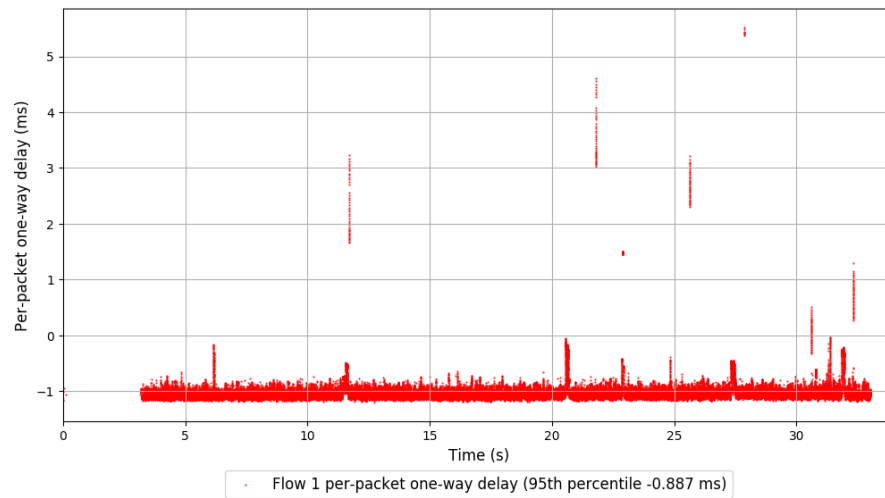
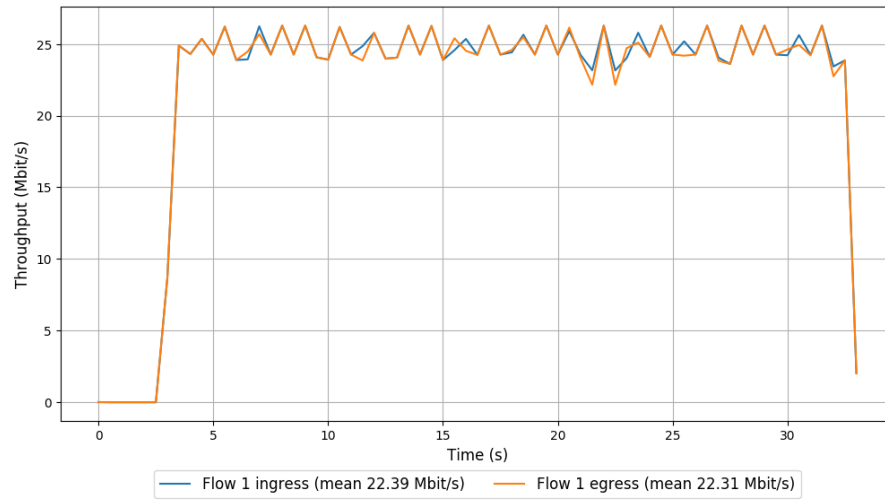
Average throughput: 22.31 Mbit/s

95th percentile per-packet one-way delay: -0.887 ms

Loss rate: 0.35%



# Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Tue, 04 Jul 2017 05:23:27 +0000

End at: Tue, 04 Jul 2017 05:23:57 +0000

Local clock offset: 1.125 ms

Remote clock offset: -0.902 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:28 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.73 Mbit/s

95th percentile per-packet one-way delay: -0.897 ms

Loss rate: 40.30%

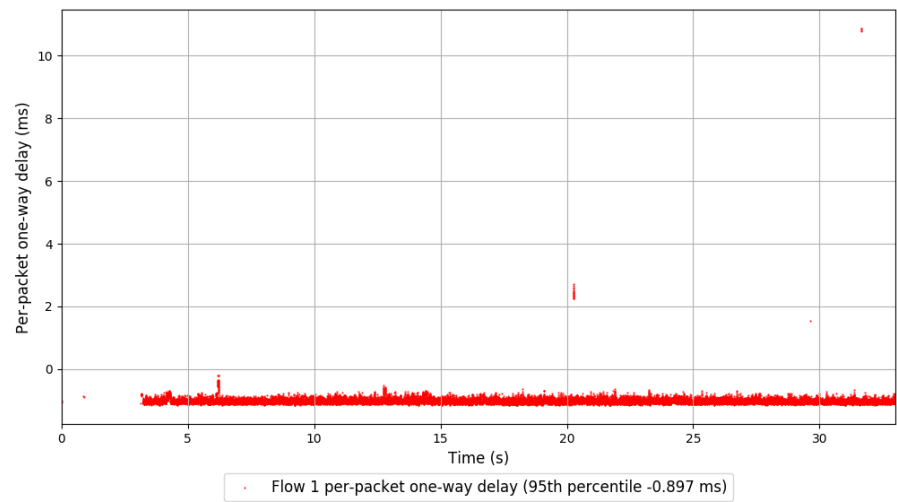
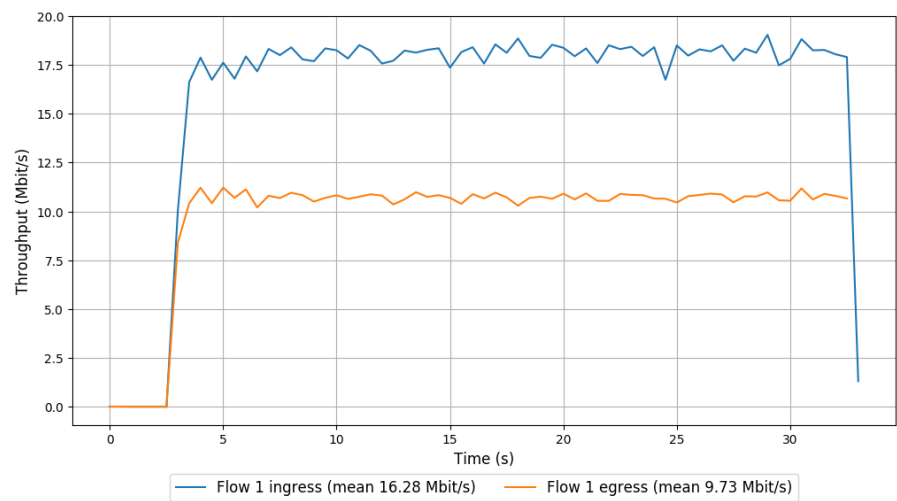
-- Flow 1:

Average throughput: 9.73 Mbit/s

95th percentile per-packet one-way delay: -0.897 ms

Loss rate: 40.30%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Tue, 04 Jul 2017 05:41:25 +0000

End at: Tue, 04 Jul 2017 05:41:55 +0000

Local clock offset: 1.176 ms

Remote clock offset: -1.392 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.74 Mbit/s

95th percentile per-packet one-way delay: -1.287 ms

Loss rate: 40.33%

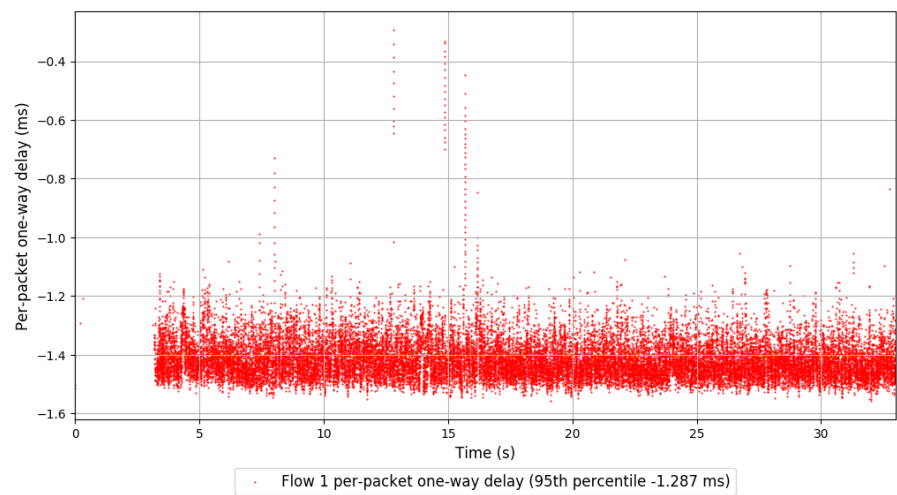
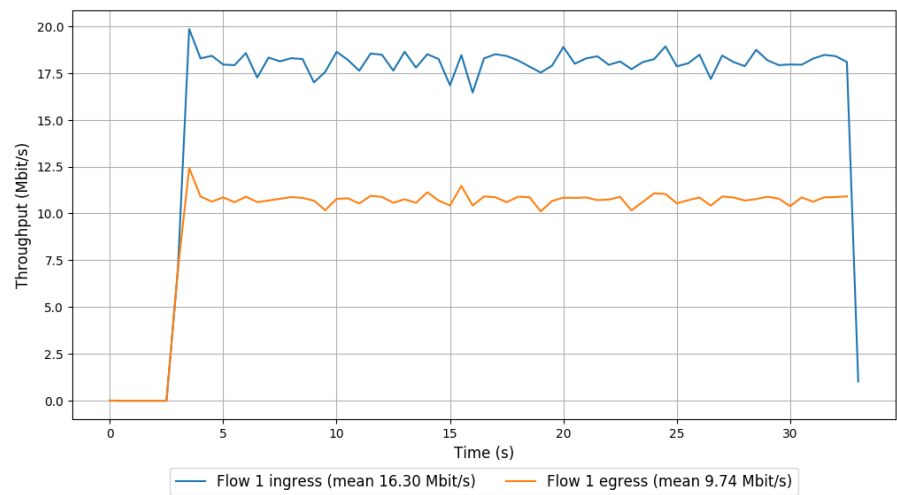
-- Flow 1:

Average throughput: 9.74 Mbit/s

95th percentile per-packet one-way delay: -1.287 ms

Loss rate: 40.33%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Tue, 04 Jul 2017 06:00:48 +0000

End at: Tue, 04 Jul 2017 06:01:18 +0000

Local clock offset: 1.11 ms

Remote clock offset: -1.386 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.26 Mbit/s

95th percentile per-packet one-way delay: -1.148 ms

Loss rate: 0.44%

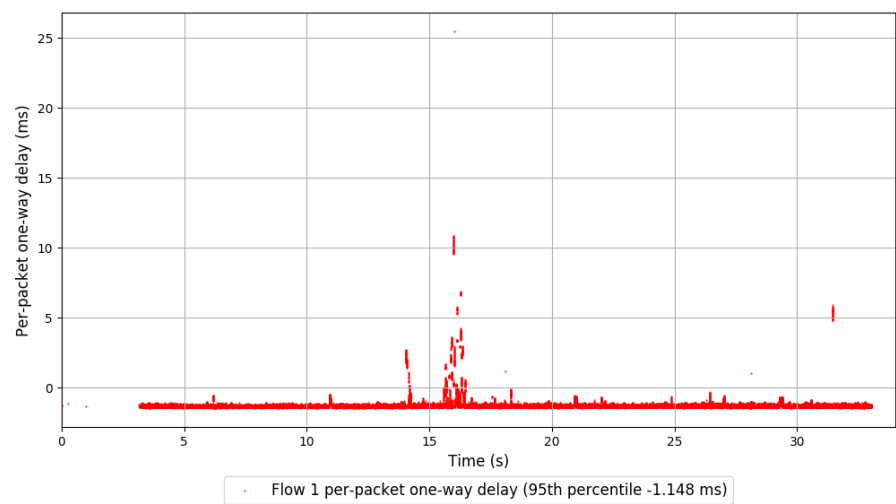
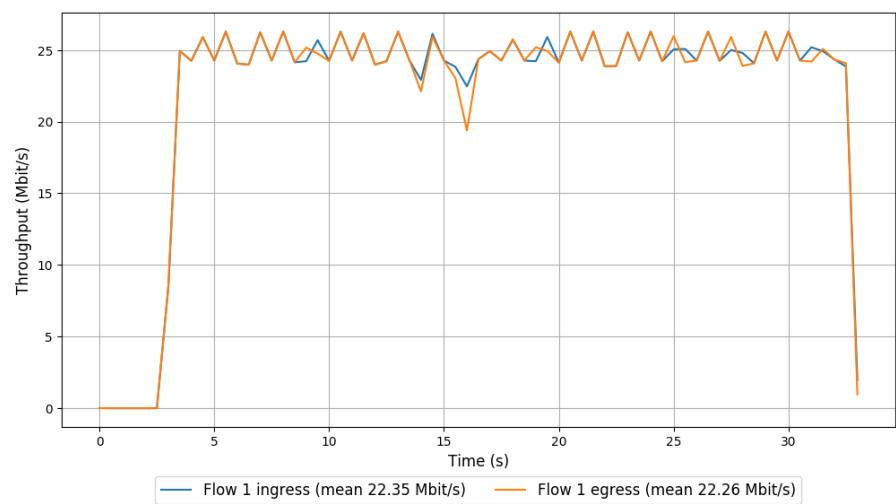
-- Flow 1:

Average throughput: 22.26 Mbit/s

95th percentile per-packet one-way delay: -1.148 ms

Loss rate: 0.44%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Tue, 04 Jul 2017 06:19:58 +0000

End at: Tue, 04 Jul 2017 06:20:28 +0000

Local clock offset: 0.889 ms

Remote clock offset: -0.993 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:33 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.74 Mbit/s

95th percentile per-packet one-way delay: -0.508 ms

Loss rate: 39.97%

-- Flow 1:

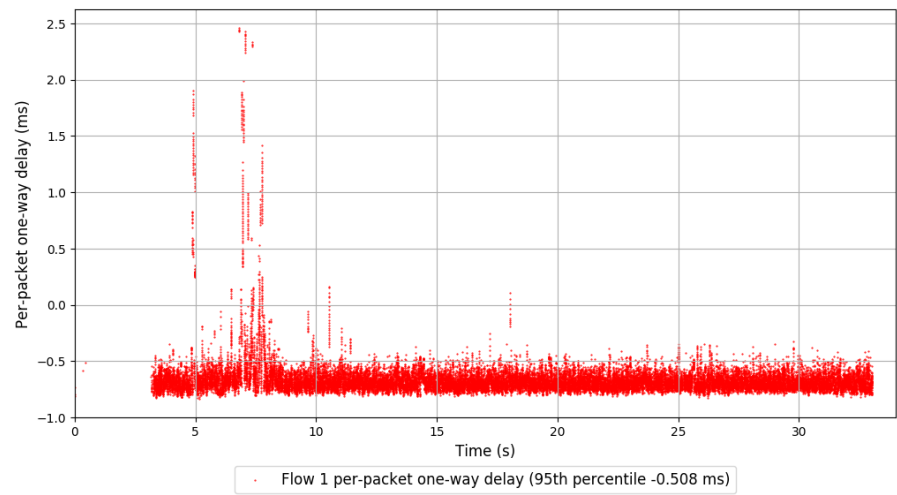
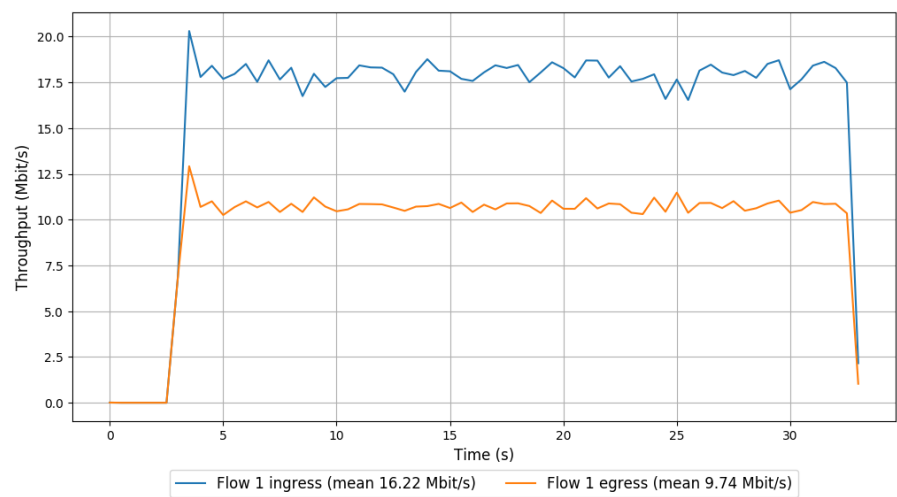
Average throughput: 9.74 Mbit/s

95th percentile per-packet one-way delay: -0.508 ms

Loss rate: 39.97%



Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Tue, 04 Jul 2017 06:38:07 +0000

End at: Tue, 04 Jul 2017 06:38:37 +0000

Local clock offset: 0.592 ms

Remote clock offset: -1.287 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.71 Mbit/s

95th percentile per-packet one-way delay: -0.609 ms

Loss rate: 40.56%

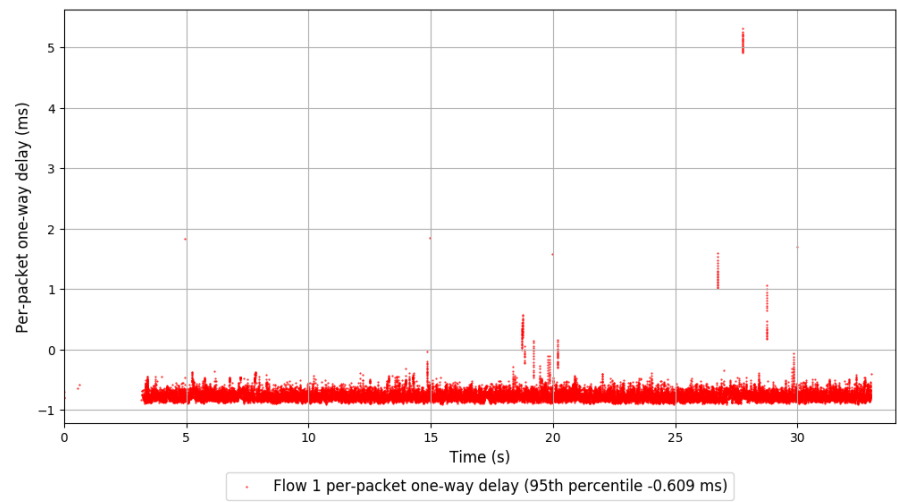
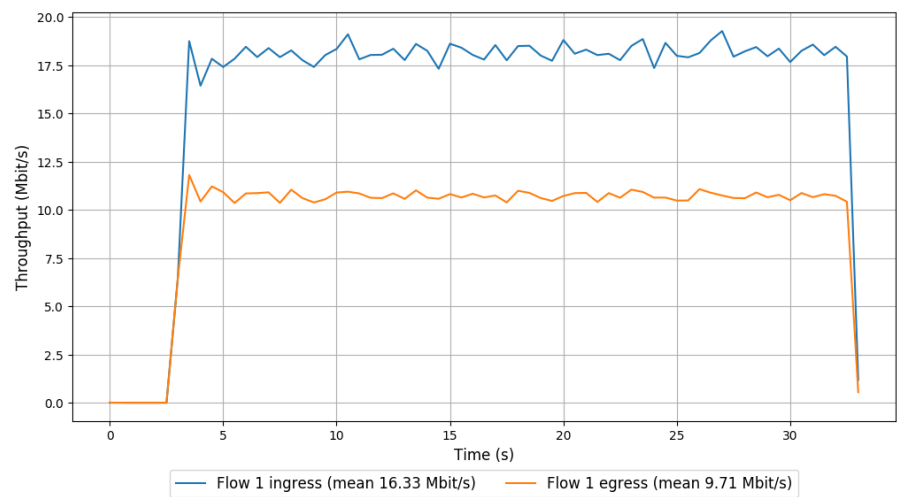
-- Flow 1:

Average throughput: 9.71 Mbit/s

95th percentile per-packet one-way delay: -0.609 ms

Loss rate: 40.56%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Tue, 04 Jul 2017 06:57:43 +0000

End at: Tue, 04 Jul 2017 06:58:13 +0000

Local clock offset: 0.377 ms

Remote clock offset: -1.301 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.39 Mbit/s

95th percentile per-packet one-way delay: -0.343 ms

Loss rate: 0.38%

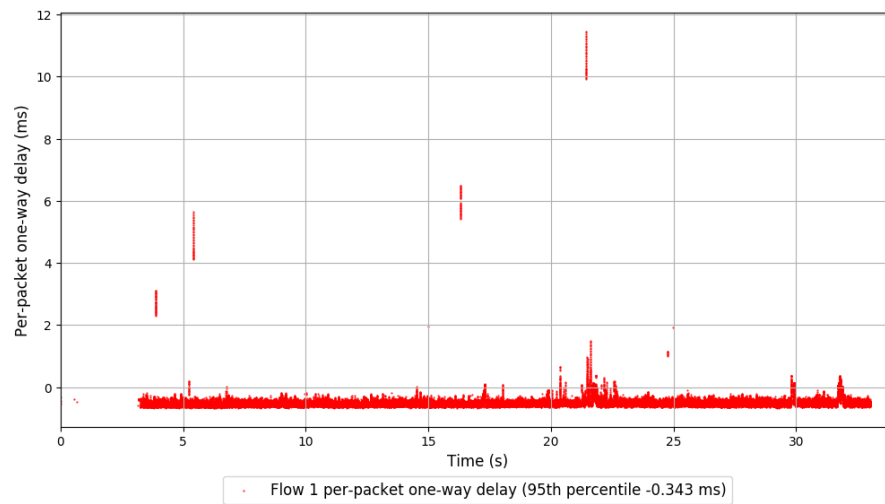
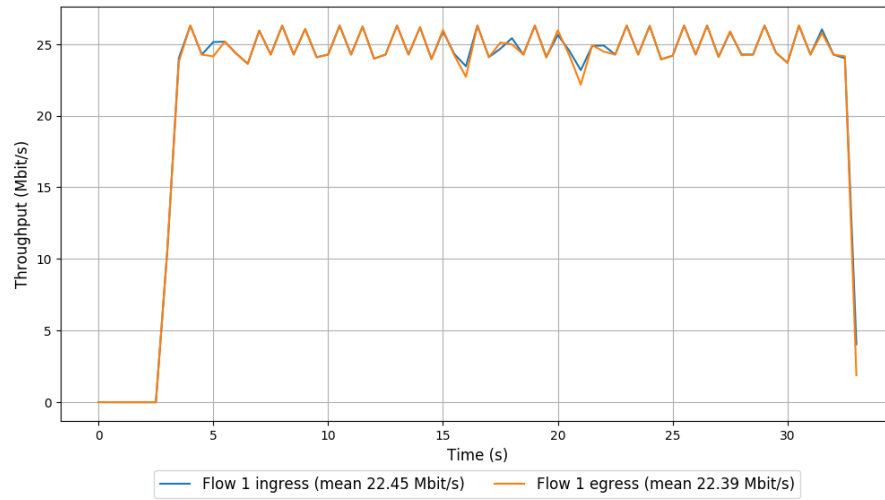
-- Flow 1:

Average throughput: 22.39 Mbit/s

95th percentile per-packet one-way delay: -0.343 ms

Loss rate: 0.38%

## Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Tue, 04 Jul 2017 07:17:17 +0000

End at: Tue, 04 Jul 2017 07:17:47 +0000

Local clock offset: 0.146 ms

Remote clock offset: -1.434 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:39 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.39 Mbit/s

95th percentile per-packet one-way delay: -0.266 ms

Loss rate: 0.20%

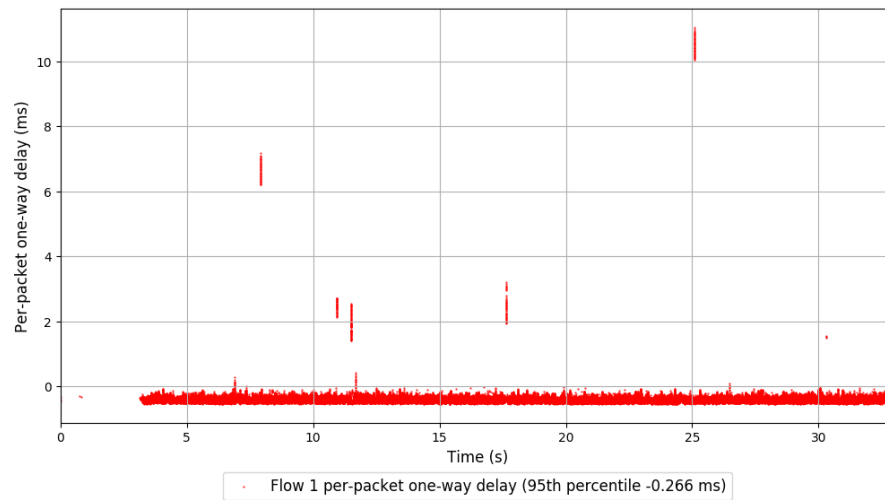
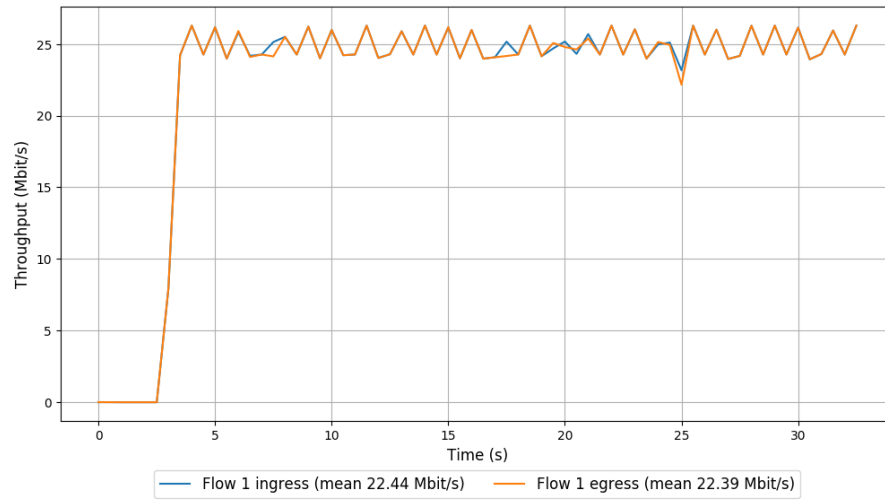
-- Flow 1:

Average throughput: 22.39 Mbit/s

95th percentile per-packet one-way delay: -0.266 ms

Loss rate: 0.20%

## Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Tue, 04 Jul 2017 07:36:50 +0000

End at: Tue, 04 Jul 2017 07:37:20 +0000

Local clock offset: -0.19 ms

Remote clock offset: -1.263 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:41 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.45 Mbit/s

95th percentile per-packet one-way delay: 0.080 ms

Loss rate: 0.17%

-- Flow 1:

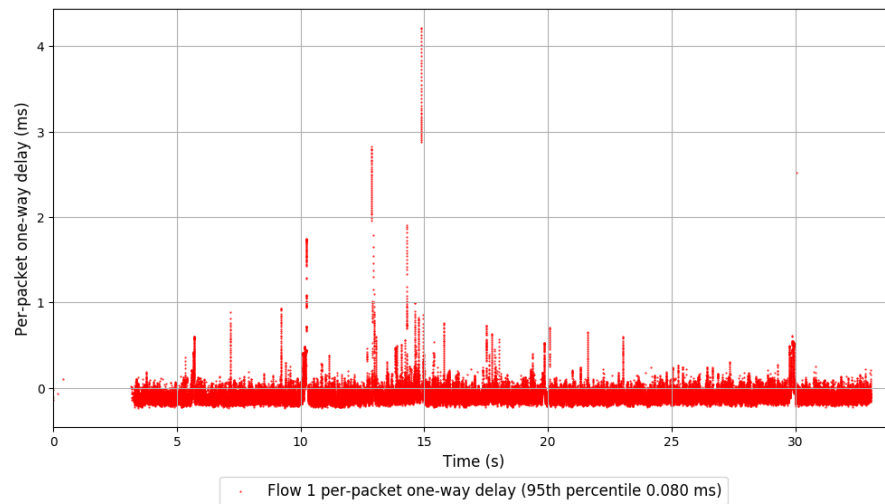
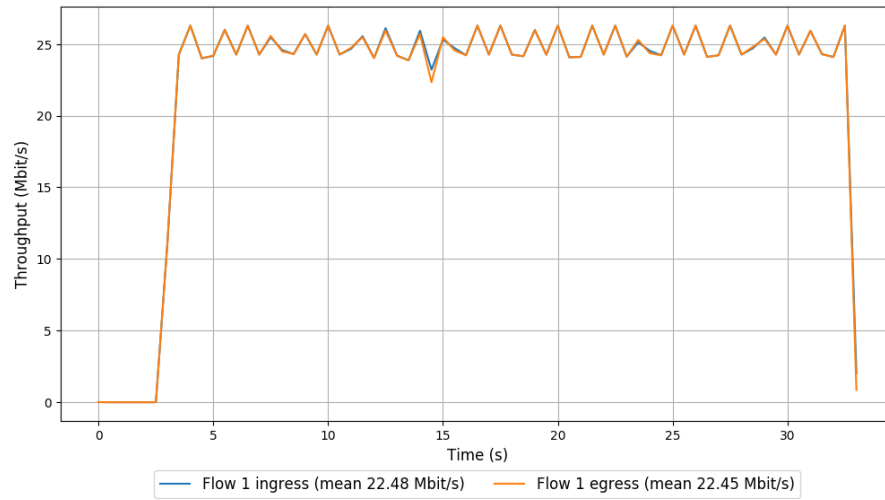
Average throughput: 22.45 Mbit/s

95th percentile per-packet one-way delay: 0.080 ms

Loss rate: 0.17%



## Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Tue, 04 Jul 2017 07:56:15 +0000

End at: Tue, 04 Jul 2017 07:56:45 +0000

Local clock offset: -0.247 ms

Remote clock offset: -1.052 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:29:43 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.45 Mbit/s

95th percentile per-packet one-way delay: 0.395 ms

Loss rate: 0.16%

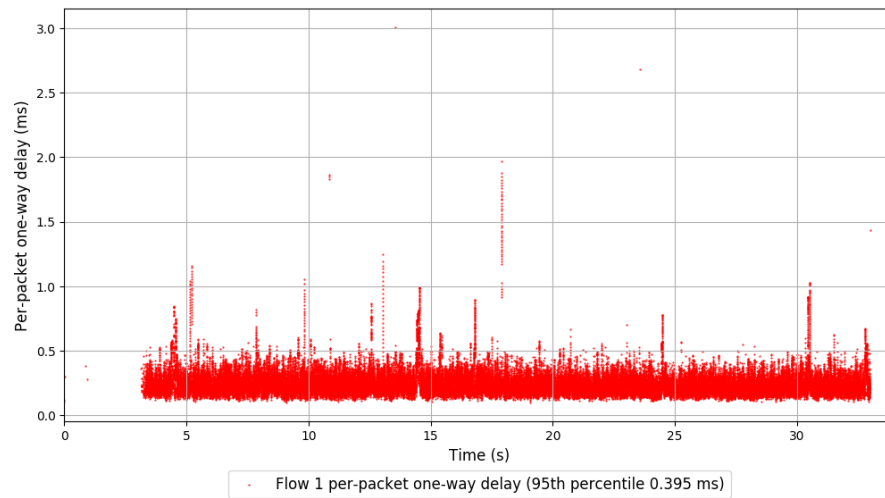
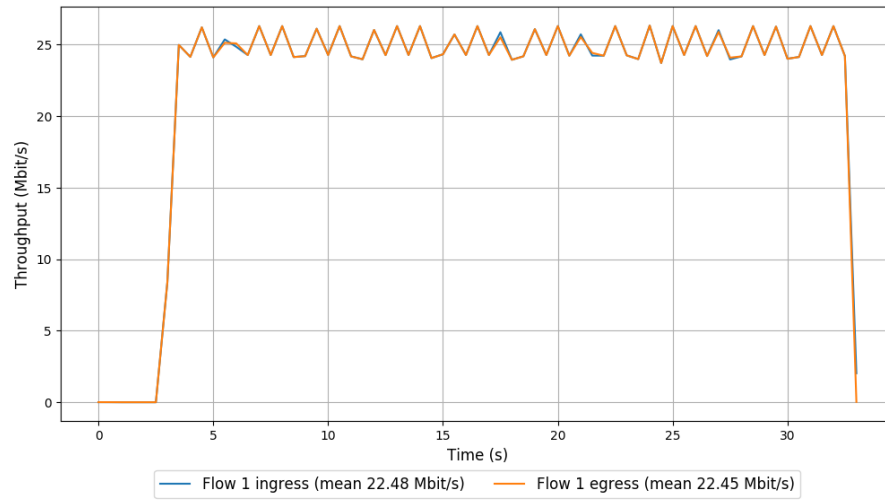
-- Flow 1:

Average throughput: 22.45 Mbit/s

95th percentile per-packet one-way delay: 0.395 ms

Loss rate: 0.16%

## Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 05:00:15 +0000

End at: Tue, 04 Jul 2017 05:00:45 +0000

Local clock offset: 1.257 ms

Remote clock offset: -1.037 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:30:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 213.88 Mbit/s

95th percentile per-packet one-way delay: -0.050 ms

Loss rate: 0.84%

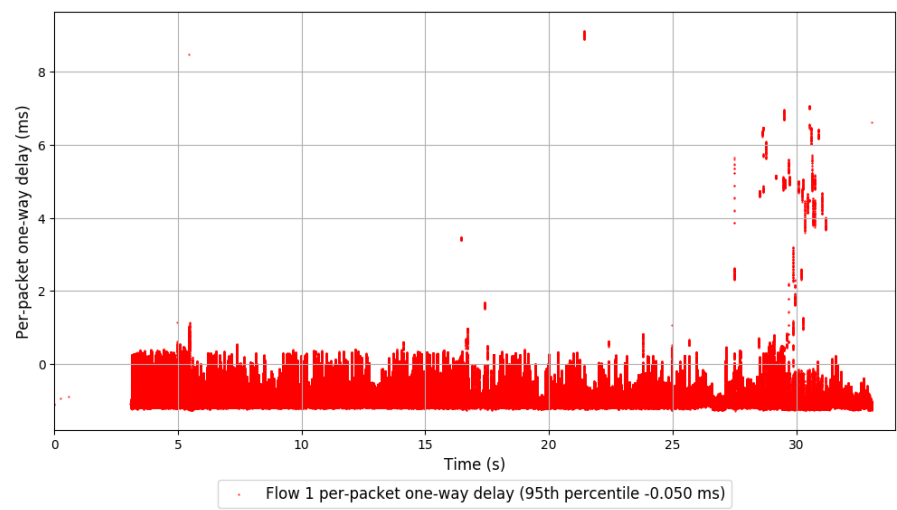
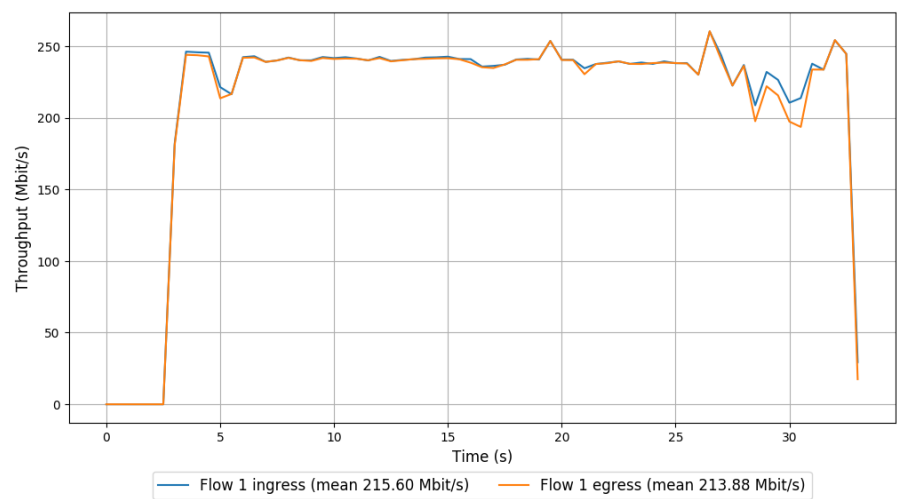
-- Flow 1:

Average throughput: 213.88 Mbit/s

95th percentile per-packet one-way delay: -0.050 ms

Loss rate: 0.84%

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



Run 2: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 05:19:57 +0000

End at: Tue, 04 Jul 2017 05:20:27 +0000

Local clock offset: 1.245 ms

Remote clock offset: -0.889 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:30:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.31 Mbit/s

95th percentile per-packet one-way delay: -0.827 ms

Loss rate: 3.58%

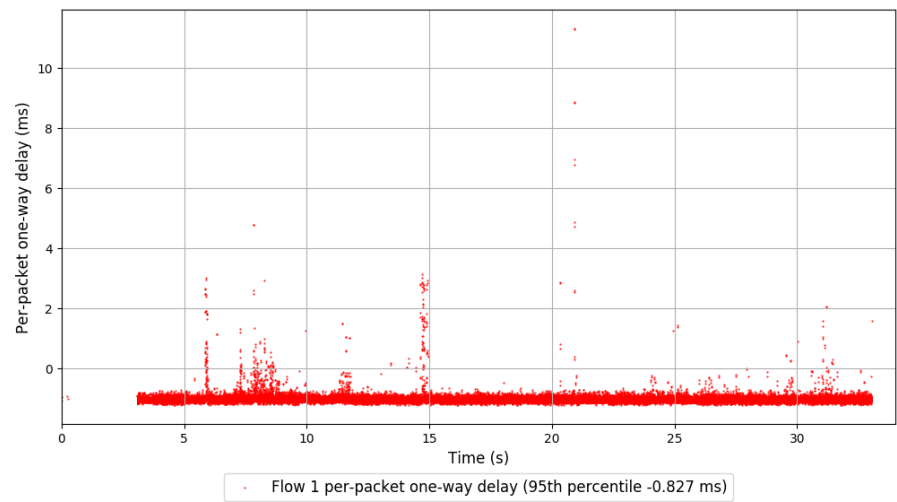
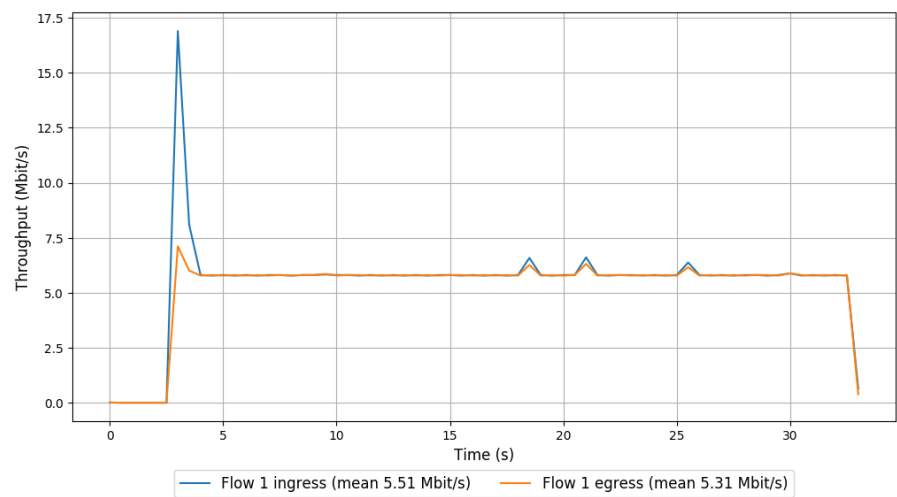
-- Flow 1:

Average throughput: 5.31 Mbit/s

95th percentile per-packet one-way delay: -0.827 ms

Loss rate: 3.58%

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



Run 3: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 05:37:55 +0000

End at: Tue, 04 Jul 2017 05:38:25 +0000

Local clock offset: 1.225 ms

Remote clock offset: -1.305 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:30:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.29 Mbit/s

95th percentile per-packet one-way delay: -1.132 ms

Loss rate: 4.45%

-- Flow 1:

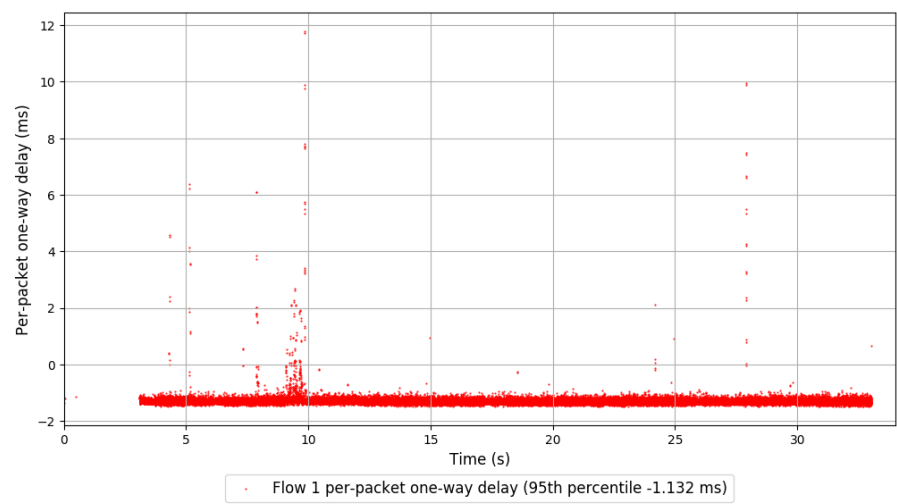
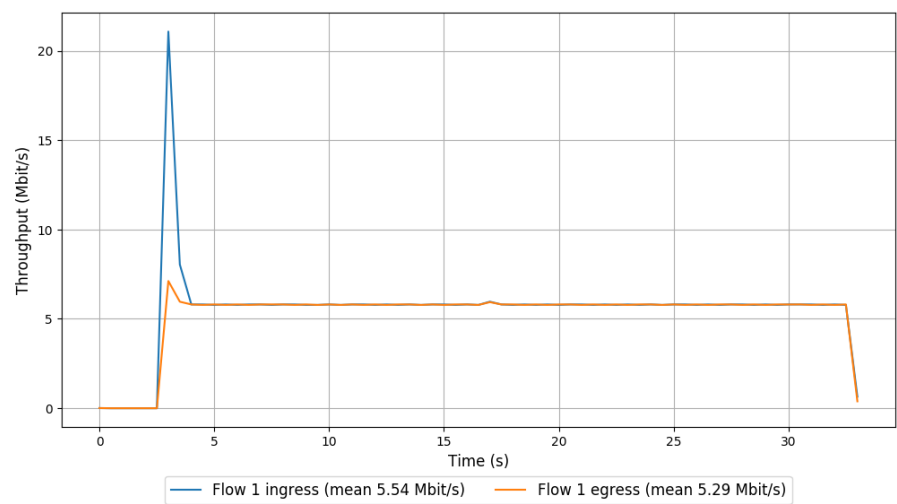
Average throughput: 5.29 Mbit/s

95th percentile per-packet one-way delay: -1.132 ms

Loss rate: 4.45%



Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 05:56:53 +0000

End at: Tue, 04 Jul 2017 05:57:23 +0000

Local clock offset: 1.153 ms

Remote clock offset: -1.485 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:30:43 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 204.87 Mbit/s

95th percentile per-packet one-way delay: -0.206 ms

Loss rate: 1.16%

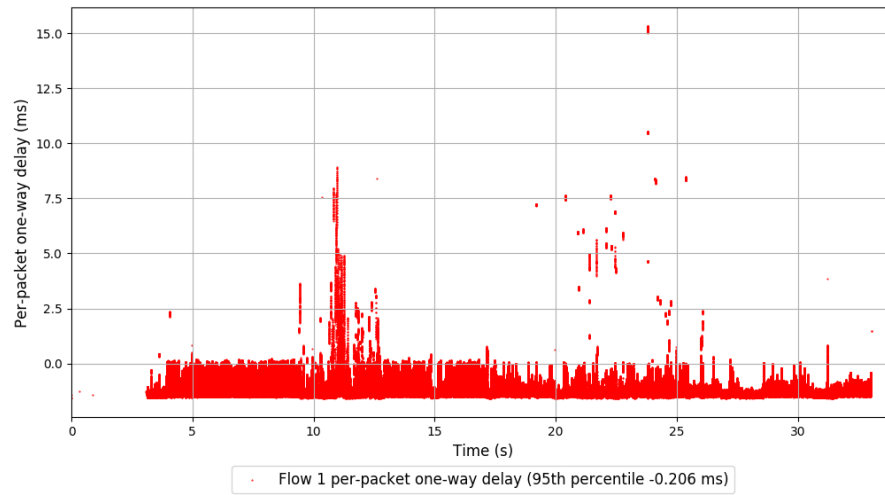
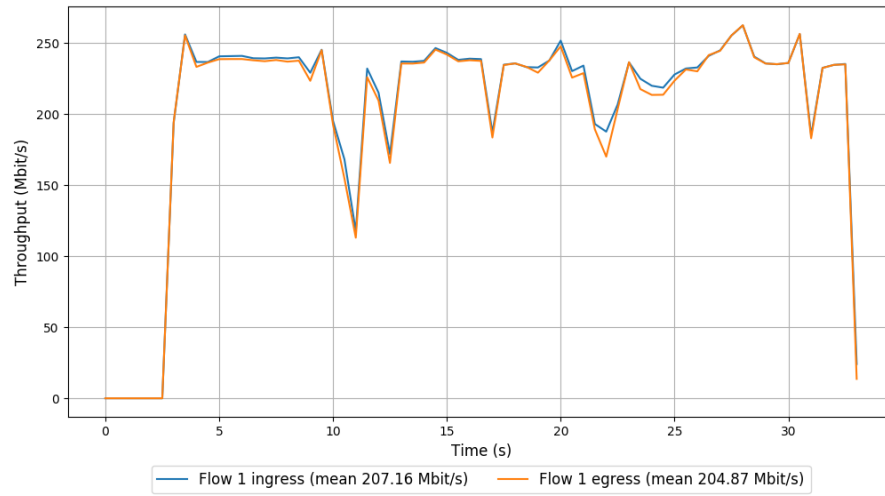
-- Flow 1:

Average throughput: 204.87 Mbit/s

95th percentile per-packet one-way delay: -0.206 ms

Loss rate: 1.16%

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



Run 5: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 06:16:27 +0000

End at: Tue, 04 Jul 2017 06:16:57 +0000

Local clock offset: 0.919 ms

Remote clock offset: -1.052 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:30:43 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.26 Mbit/s

95th percentile per-packet one-way delay: -0.599 ms

Loss rate: 2.89%

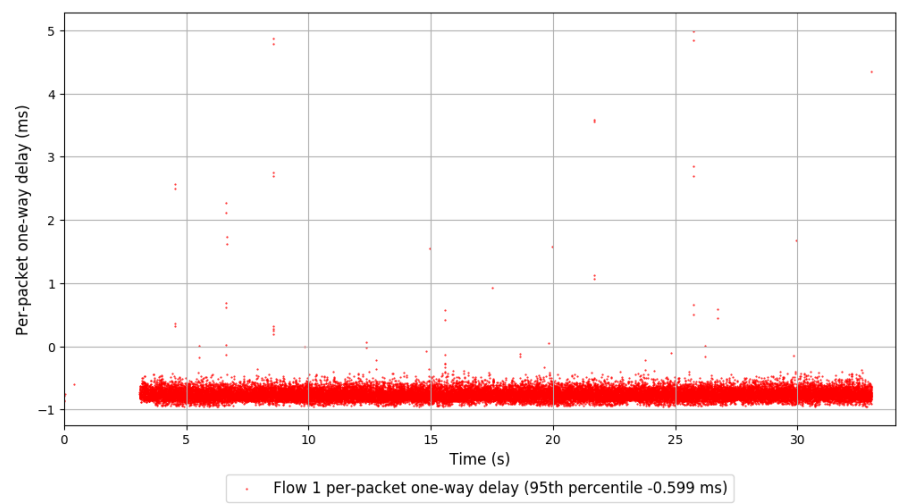
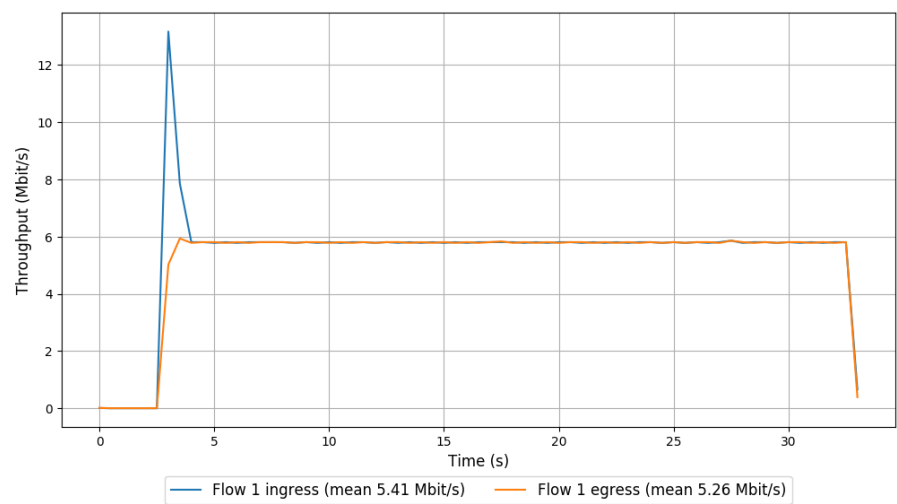
-- Flow 1:

Average throughput: 5.26 Mbit/s

95th percentile per-packet one-way delay: -0.599 ms

Loss rate: 2.89%

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



Run 6: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 06:34:35 +0000

End at: Tue, 04 Jul 2017 06:35:05 +0000

Local clock offset: 0.654 ms

Remote clock offset: -1.213 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:30:43 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: -0.419 ms

Loss rate: 2.90%

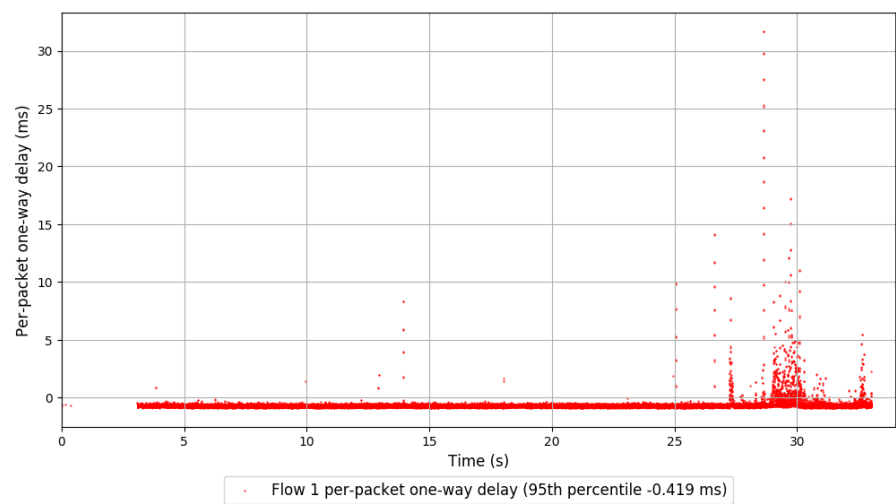
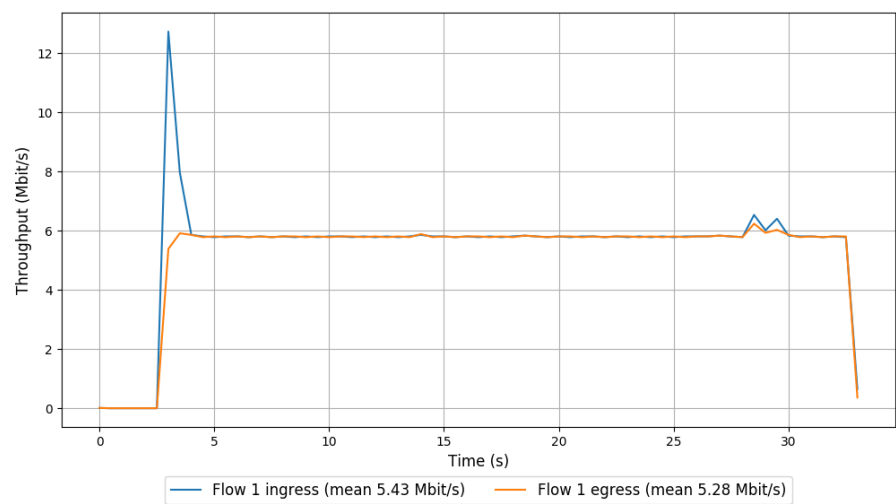
-- Flow 1:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: -0.419 ms

Loss rate: 2.90%

Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 06:53:56 +0000

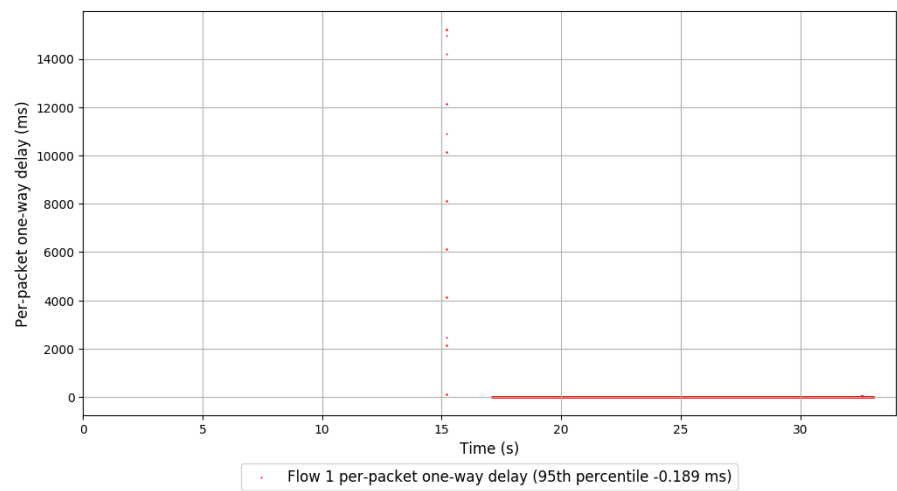
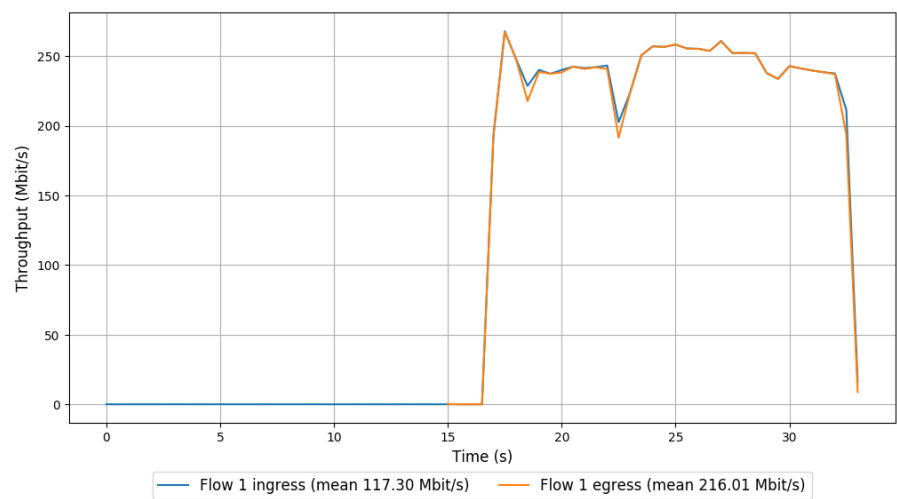
End at: Tue, 04 Jul 2017 06:54:26 +0000

Local clock offset: 0.453 ms

Remote clock offset: -1.28 ms



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



Run 8: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 07:13:23 +0000

End at: Tue, 04 Jul 2017 07:13:53 +0000

Local clock offset: 0.075 ms

Remote clock offset: -1.357 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:31:34 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 210.81 Mbit/s

95th percentile per-packet one-way delay: 0.539 ms

Loss rate: 0.67%

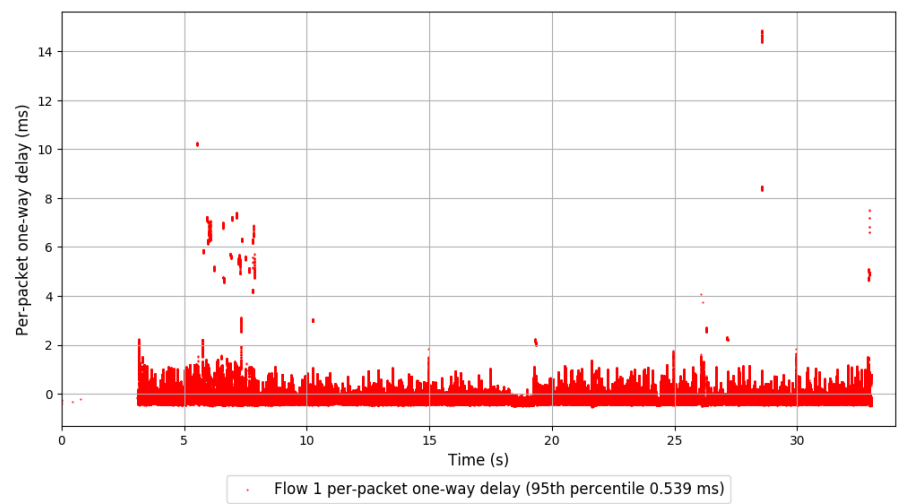
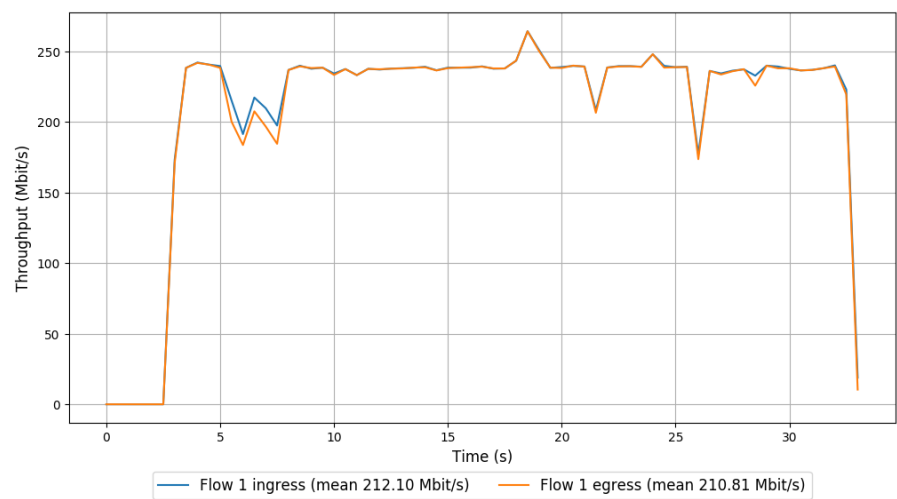
-- Flow 1:

Average throughput: 210.81 Mbit/s

95th percentile per-packet one-way delay: 0.539 ms

Loss rate: 0.67%

Run 8: Report of TaoVA-100x — Data Link



Run 9: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 07:32:55 +0000

End at: Tue, 04 Jul 2017 07:33:25 +0000

Local clock offset: -0.023 ms

Remote clock offset: -1.352 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:32:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 203.07 Mbit/s

95th percentile per-packet one-way delay: 0.449 ms

Loss rate: 1.02%

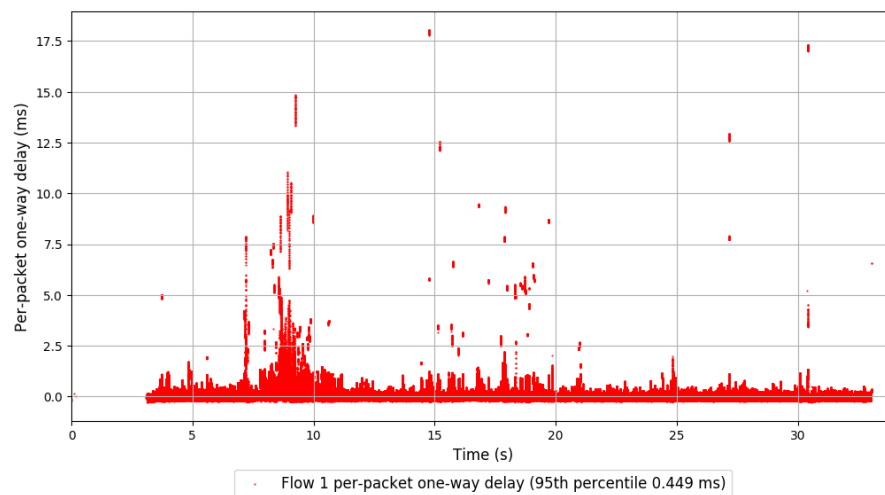
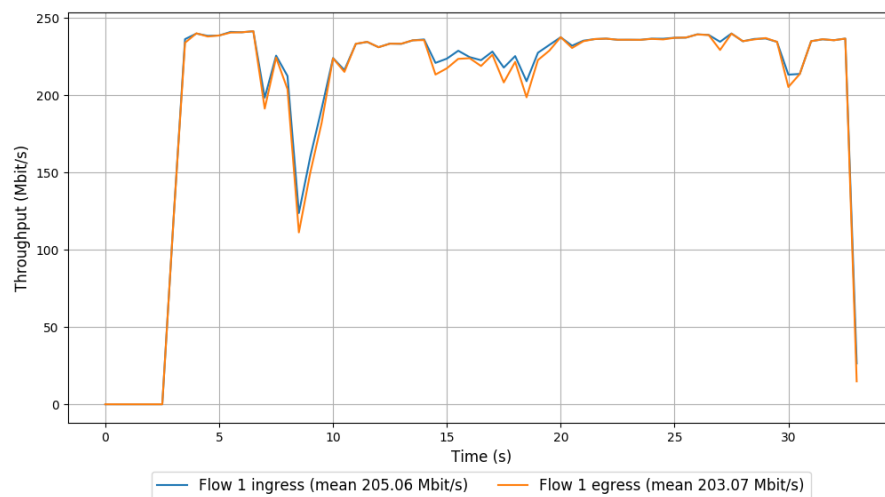
-- Flow 1:

Average throughput: 203.07 Mbit/s

95th percentile per-packet one-way delay: 0.449 ms

Loss rate: 1.02%

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



Run 10: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 07:52:29 +0000

End at: Tue, 04 Jul 2017 07:53:00 +0000

Local clock offset: -0.34 ms

Remote clock offset: -1.094 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:32:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 118.54 Mbit/s

95th percentile per-packet one-way delay: 0.726 ms

Loss rate: 0.36%

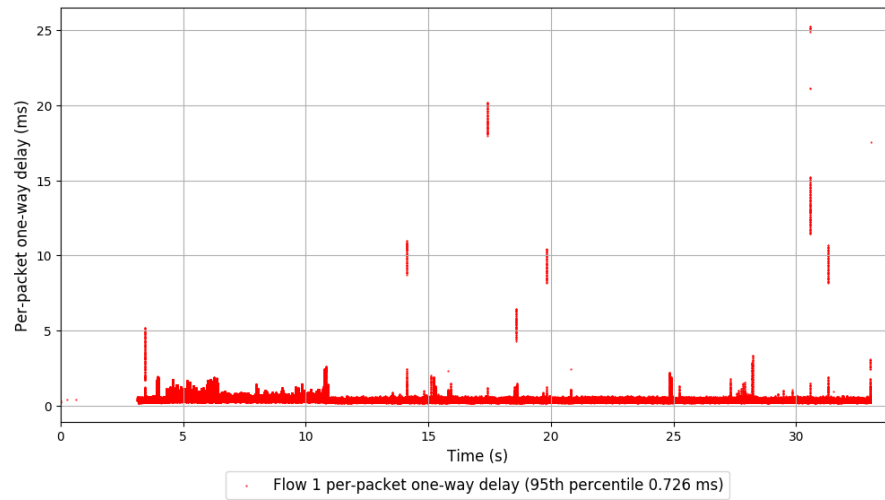
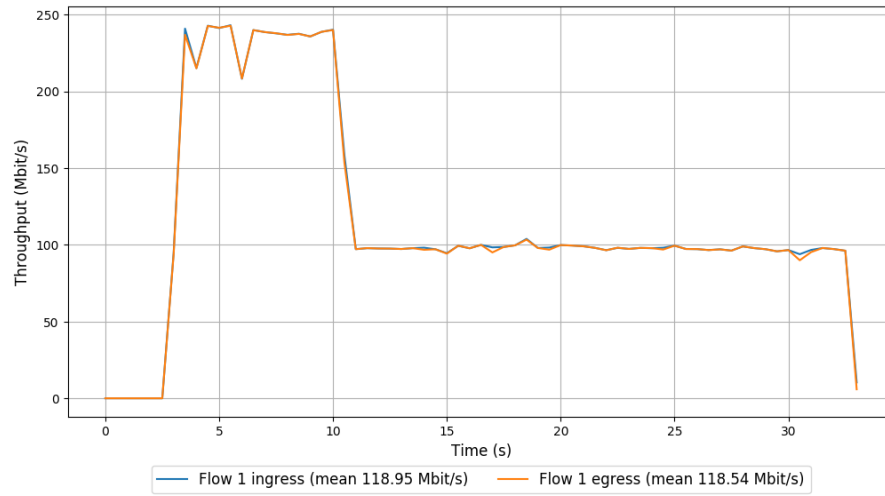
-- Flow 1:

Average throughput: 118.54 Mbit/s

95th percentile per-packet one-way delay: 0.726 ms

Loss rate: 0.36%

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



Run 1: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 04:55:13 +0000

End at: Tue, 04 Jul 2017 04:55:43 +0000

Local clock offset: 1.232 ms

Remote clock offset: -1.098 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:32:18 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.97 Mbit/s

95th percentile per-packet one-way delay: -1.039 ms

Loss rate: 0.44%

-- Flow 1:

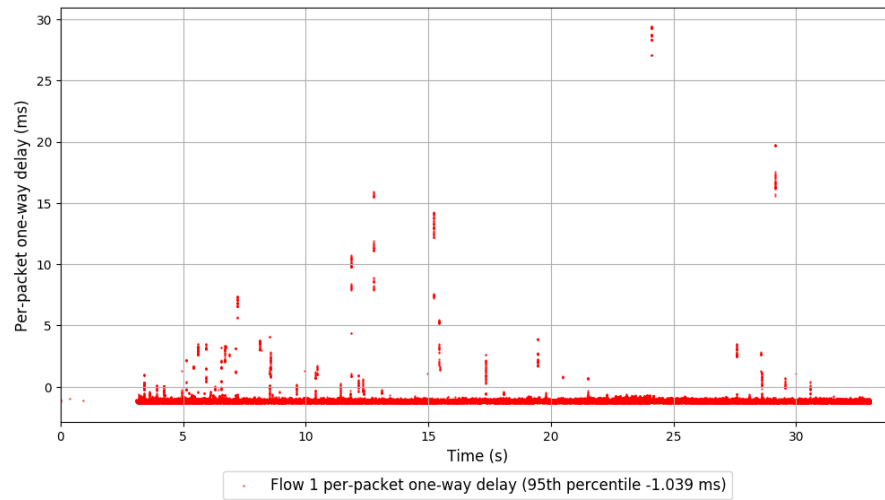
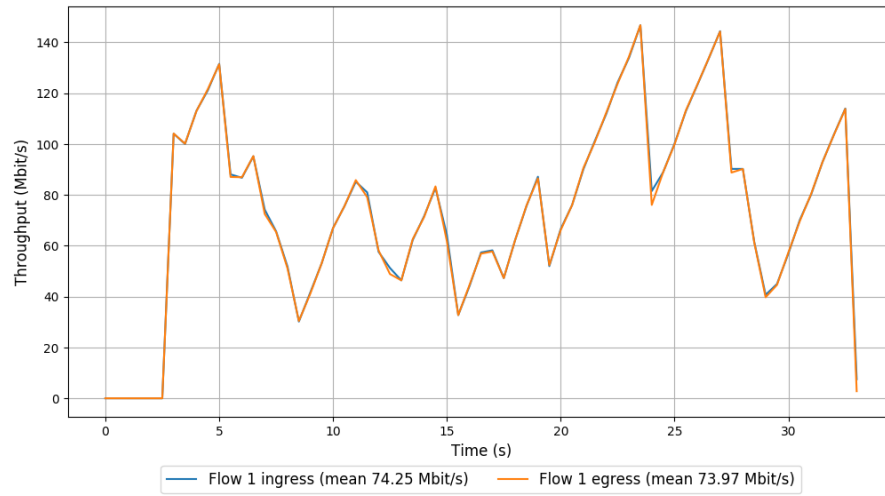
Average throughput: 73.97 Mbit/s

95th percentile per-packet one-way delay: -1.039 ms

Loss rate: 0.44%



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



Run 2: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 05:14:52 +0000

End at: Tue, 04 Jul 2017 05:15:22 +0000

Local clock offset: 1.171 ms

Remote clock offset: -0.958 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:32:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.06 Mbit/s

95th percentile per-packet one-way delay: -0.893 ms

Loss rate: 0.34%

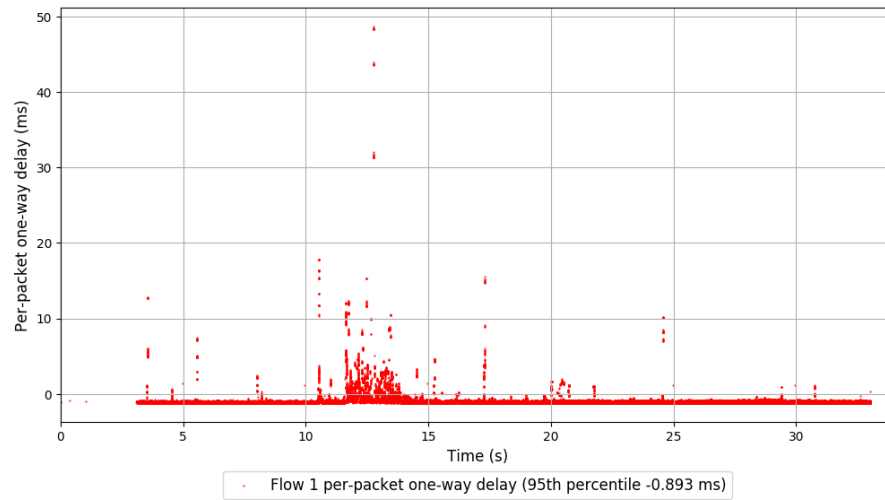
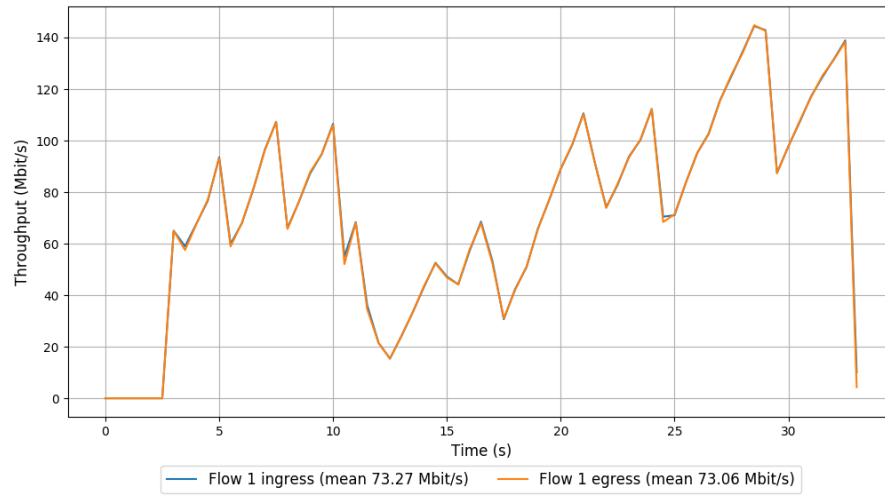
-- Flow 1:

Average throughput: 73.06 Mbit/s

95th percentile per-packet one-way delay: -0.893 ms

Loss rate: 0.34%

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



Run 3: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 05:33:04 +0000

End at: Tue, 04 Jul 2017 05:33:34 +0000

Local clock offset: 1.199 ms

Remote clock offset: -1.137 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:32:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: -1.093 ms

Loss rate: 3.34%

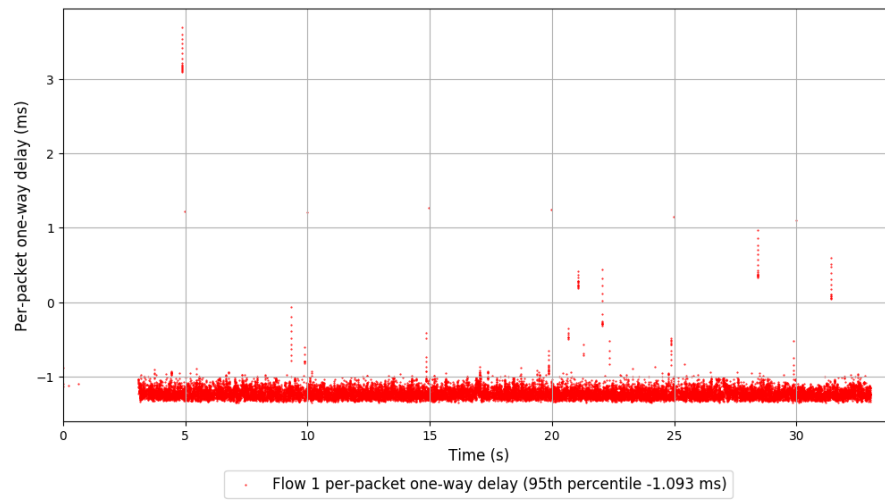
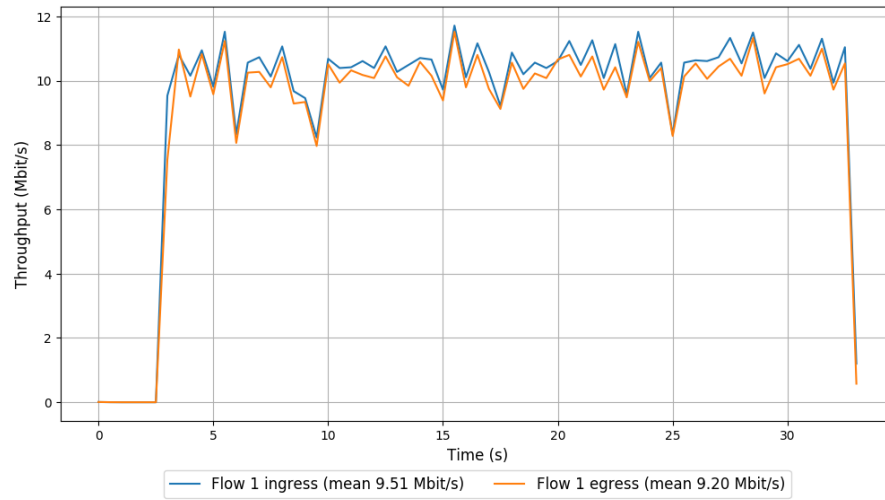
-- Flow 1:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: -1.093 ms

Loss rate: 3.34%

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



Run 4: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 05:51:50 +0000

End at: Tue, 04 Jul 2017 05:52:20 +0000

Local clock offset: 1.119 ms

Remote clock offset: -1.531 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:32:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.33 Mbit/s

95th percentile per-packet one-way delay: -1.401 ms

Loss rate: 0.44%

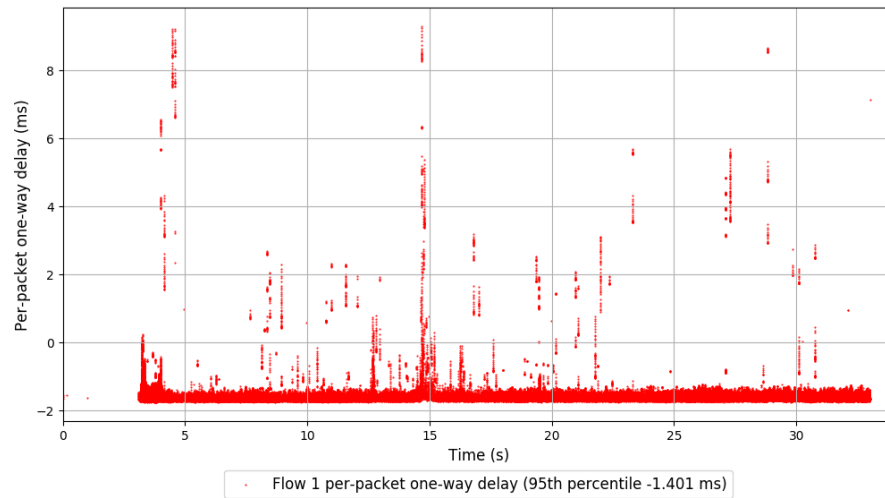
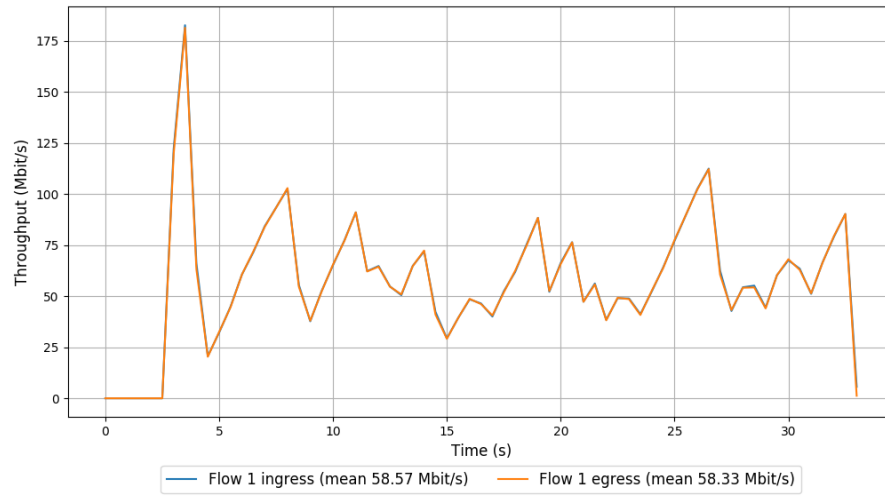
-- Flow 1:

Average throughput: 58.33 Mbit/s

95th percentile per-packet one-way delay: -1.401 ms

Loss rate: 0.44%

#### Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 06:11:28 +0000

End at: Tue, 04 Jul 2017 06:11:58 +0000

Local clock offset: 0.993 ms

Remote clock offset: -1.088 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:32:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.52 Mbit/s

95th percentile per-packet one-way delay: -0.761 ms

Loss rate: 0.16%

-- Flow 1:

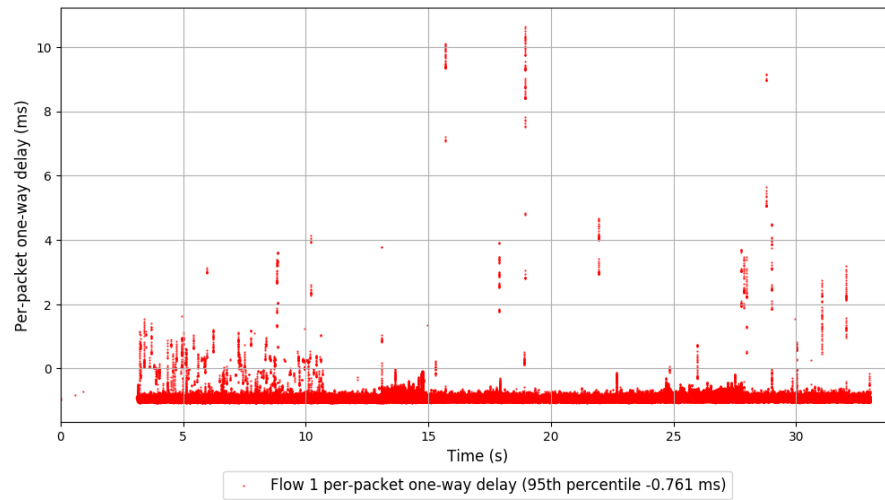
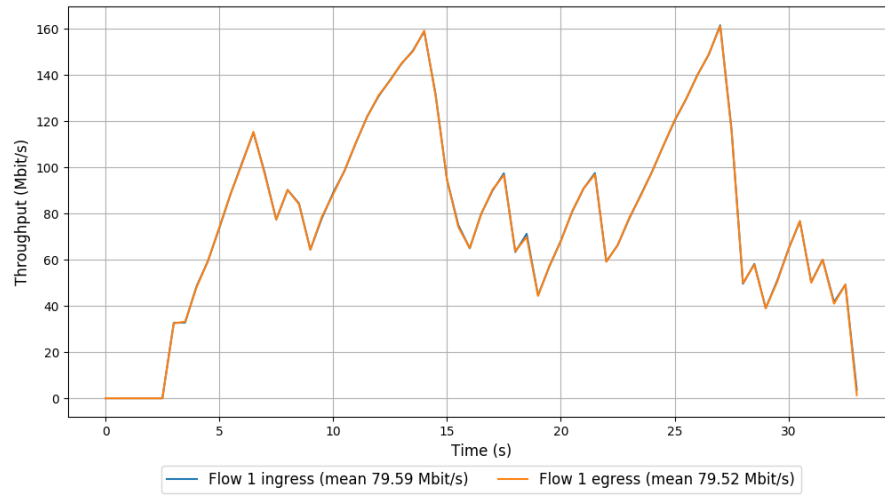
Average throughput: 79.52 Mbit/s

95th percentile per-packet one-way delay: -0.761 ms

Loss rate: 0.16%



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



Run 6: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 06:29:44 +0000

End at: Tue, 04 Jul 2017 06:30:14 +0000

Local clock offset: 0.815 ms

Remote clock offset: -0.992 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:32:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.18 Mbit/s

95th percentile per-packet one-way delay: 0.138 ms

Loss rate: 3.41%

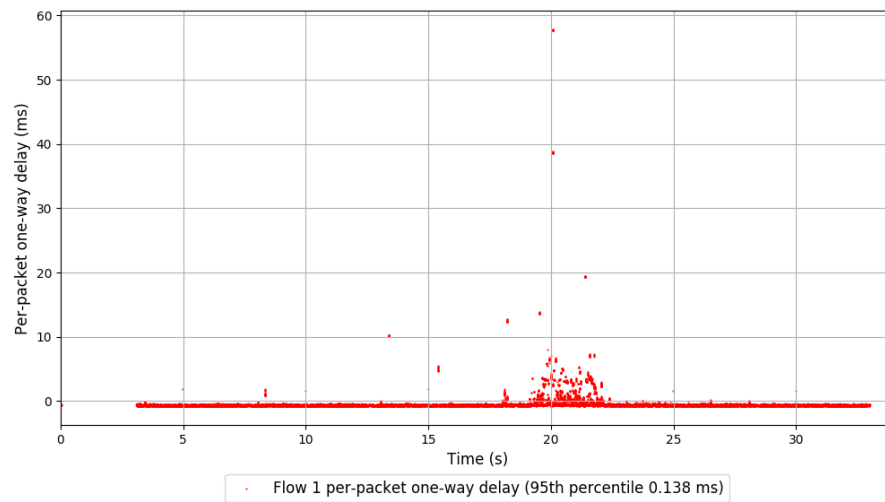
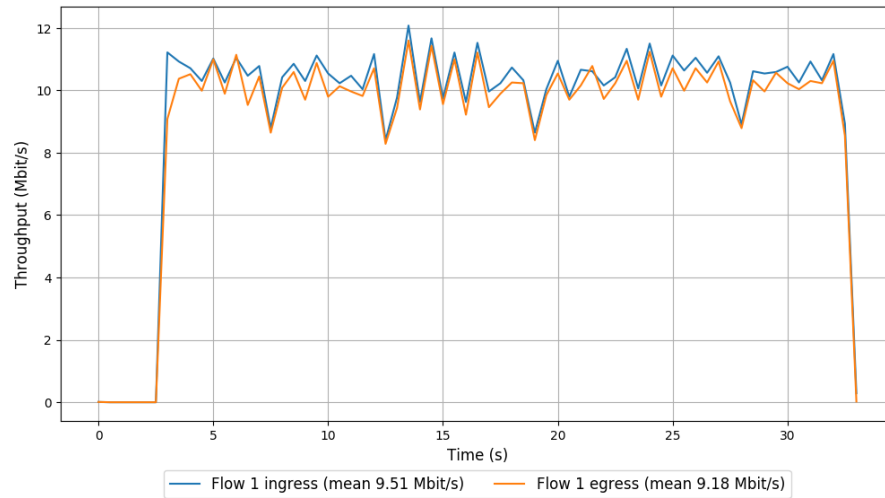
-- Flow 1:

Average throughput: 9.18 Mbit/s

95th percentile per-packet one-way delay: 0.138 ms

Loss rate: 3.41%

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



Run 7: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 06:48:49 +0000

End at: Tue, 04 Jul 2017 06:49:19 +0000

Local clock offset: 0.425 ms

Remote clock offset: -1.34 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:32:44 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.40 Mbit/s

95th percentile per-packet one-way delay: -0.456 ms

Loss rate: 0.25%

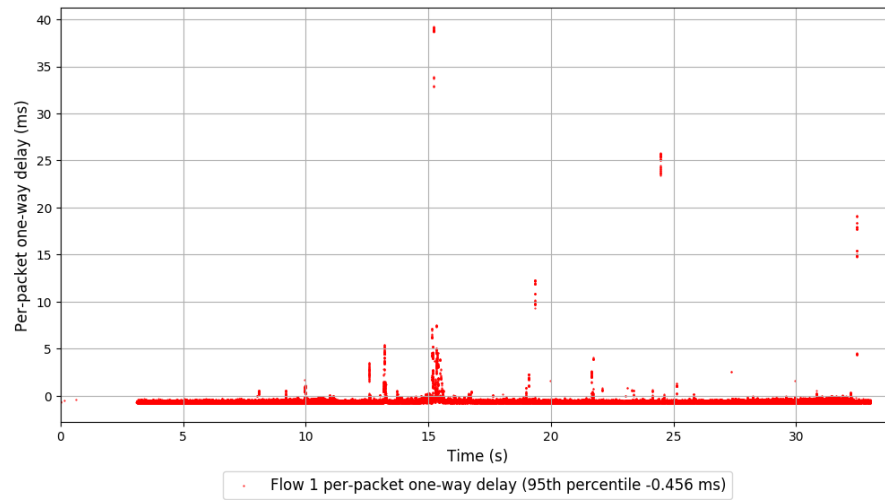
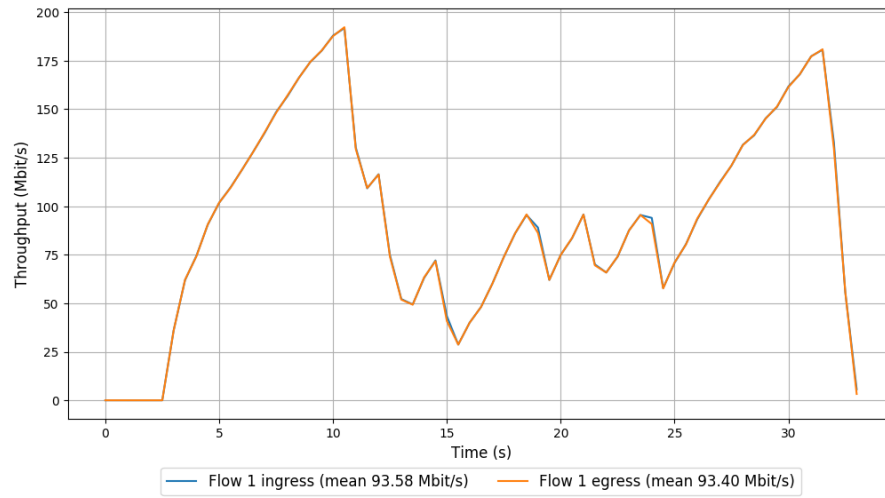
-- Flow 1:

Average throughput: 93.40 Mbit/s

95th percentile per-packet one-way delay: -0.456 ms

Loss rate: 0.25%

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



Run 8: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 07:08:26 +0000

End at: Tue, 04 Jul 2017 07:08:56 +0000

Local clock offset: 0.245 ms

Remote clock offset: -1.296 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:32:49 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.88 Mbit/s

95th percentile per-packet one-way delay: -0.190 ms

Loss rate: 0.52%

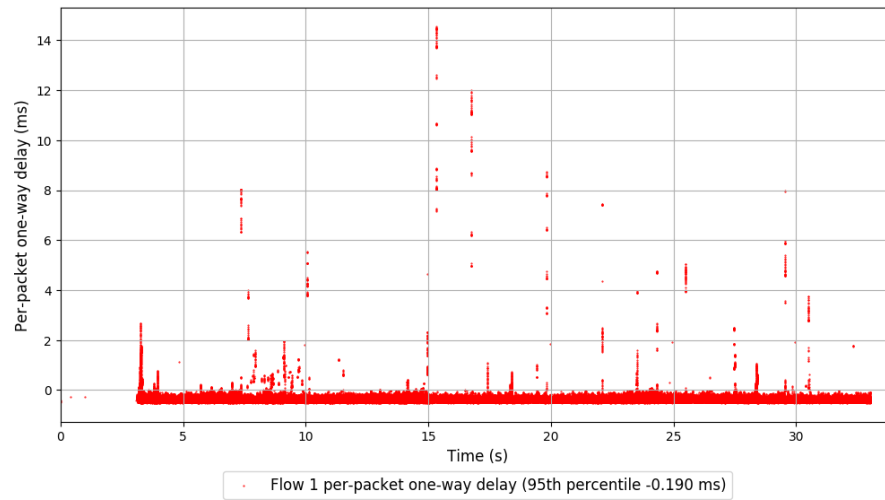
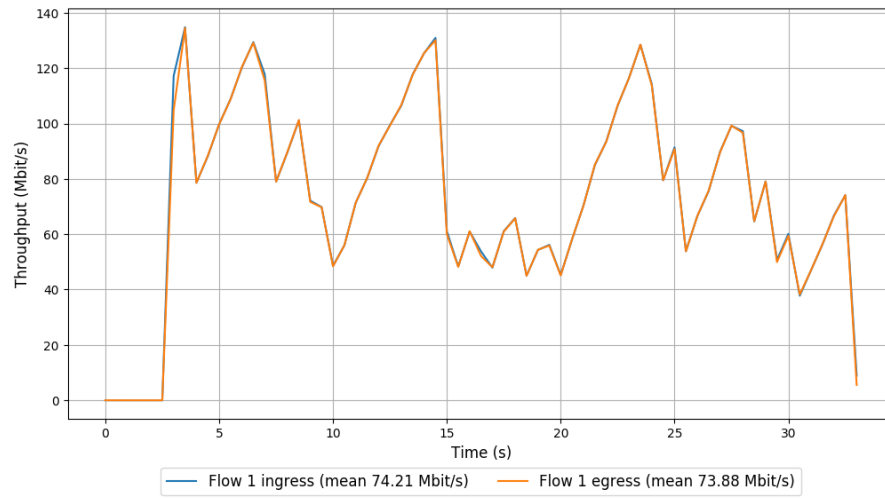
-- Flow 1:

Average throughput: 73.88 Mbit/s

95th percentile per-packet one-way delay: -0.190 ms

Loss rate: 0.52%

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



Run 9: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 07:27:57 +0000

End at: Tue, 04 Jul 2017 07:28:27 +0000

Local clock offset: 0.006 ms

Remote clock offset: -1.272 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:32:56 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 0.133 ms

Loss rate: 0.35%

-- Flow 1:

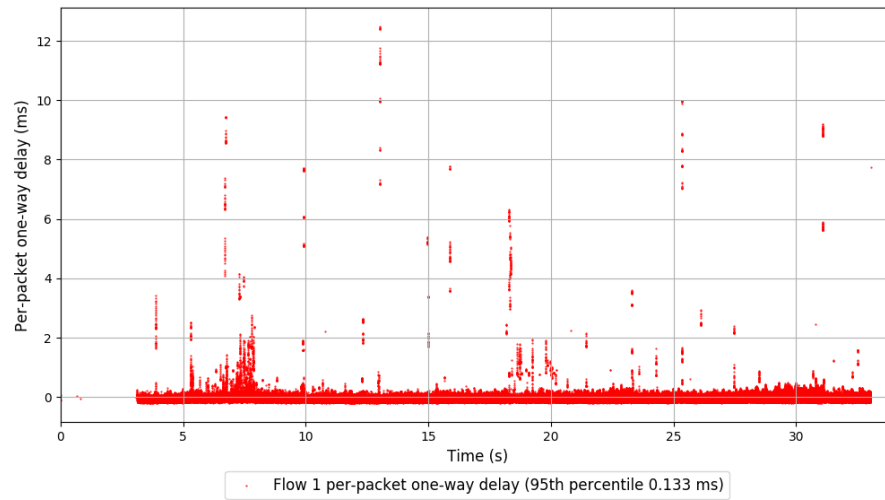
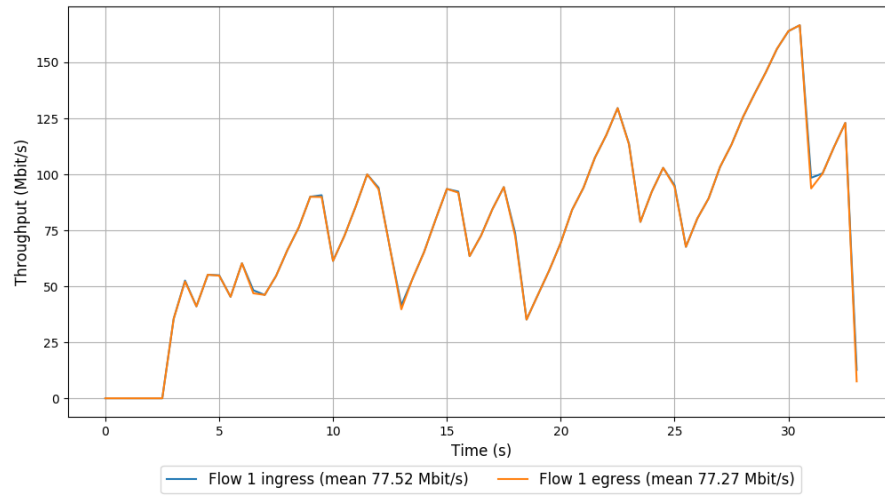
Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 0.133 ms

Loss rate: 0.35%



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



Run 10: Statistics of TCP Vegas

Start at: Tue, 04 Jul 2017 07:47:31 +0000

End at: Tue, 04 Jul 2017 07:48:01 +0000

Local clock offset: -0.187 ms

Remote clock offset: -1.121 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:33:02 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.38 Mbit/s

95th percentile per-packet one-way delay: 0.404 ms

Loss rate: 0.26%

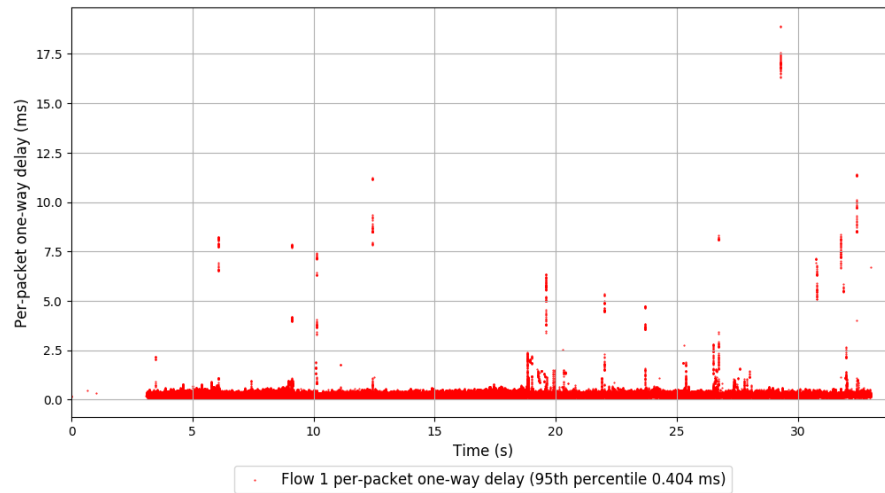
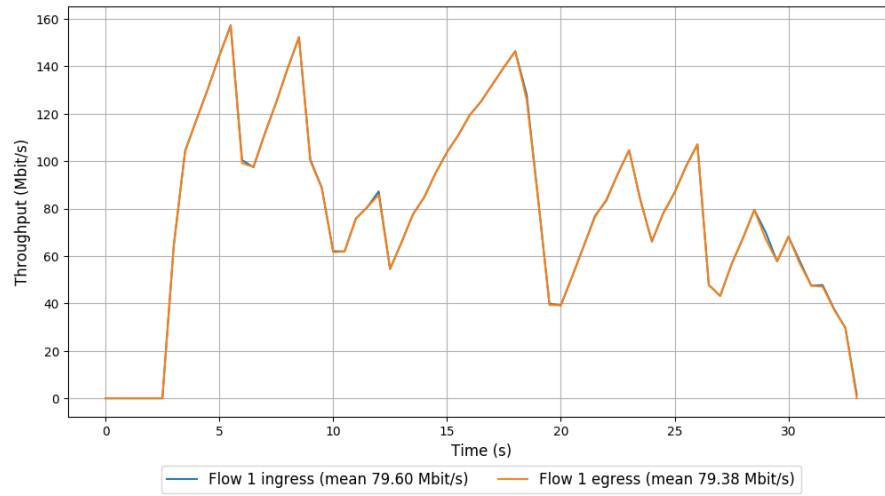
-- Flow 1:

Average throughput: 79.38 Mbit/s

95th percentile per-packet one-way delay: 0.404 ms

Loss rate: 0.26%

### Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Tue, 04 Jul 2017 04:53:55 +0000

End at: Tue, 04 Jul 2017 04:54:25 +0000

Local clock offset: 1.203 ms

Remote clock offset: -1.174 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:33:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.55 Mbit/s

95th percentile per-packet one-way delay: 1.644 ms

Loss rate: 53.07%

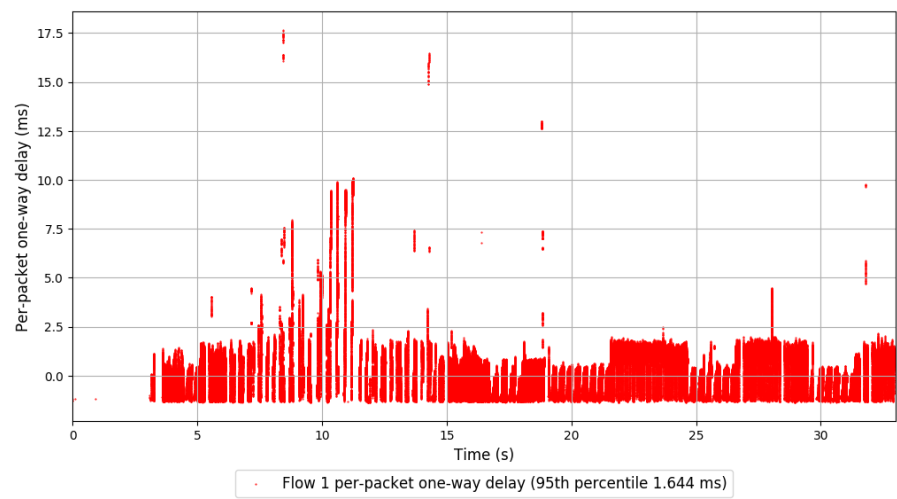
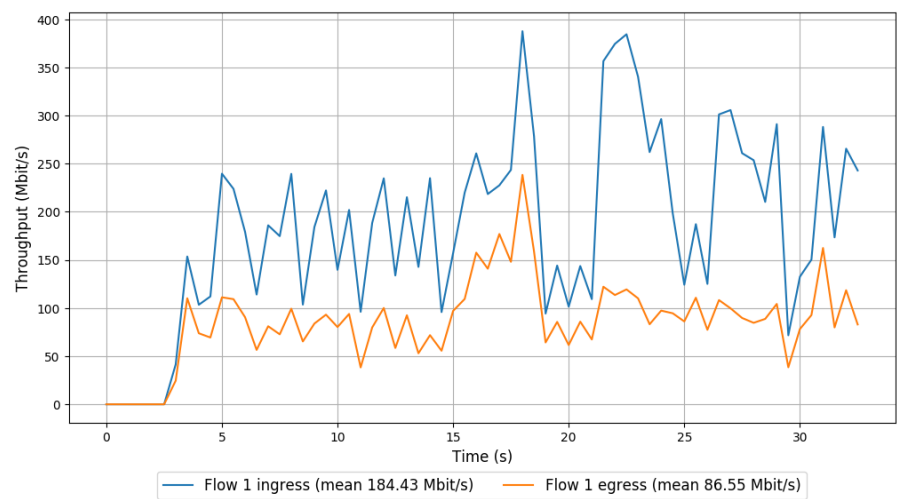
-- Flow 1:

Average throughput: 86.55 Mbit/s

95th percentile per-packet one-way delay: 1.644 ms

Loss rate: 53.07%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Tue, 04 Jul 2017 05:13:31 +0000

End at: Tue, 04 Jul 2017 05:14:01 +0000

Local clock offset: 1.263 ms

Remote clock offset: -1.025 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:33:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 116.68 Mbit/s

95th percentile per-packet one-way delay: 1.890 ms

Loss rate: 58.15%

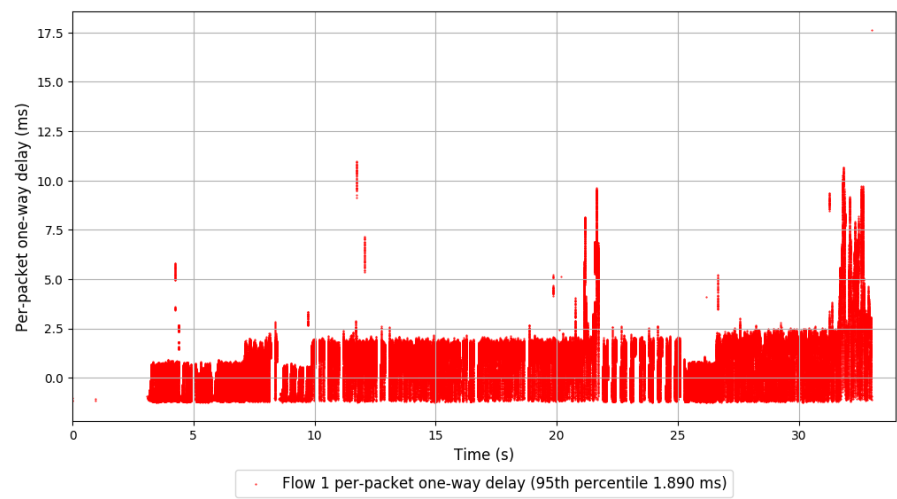
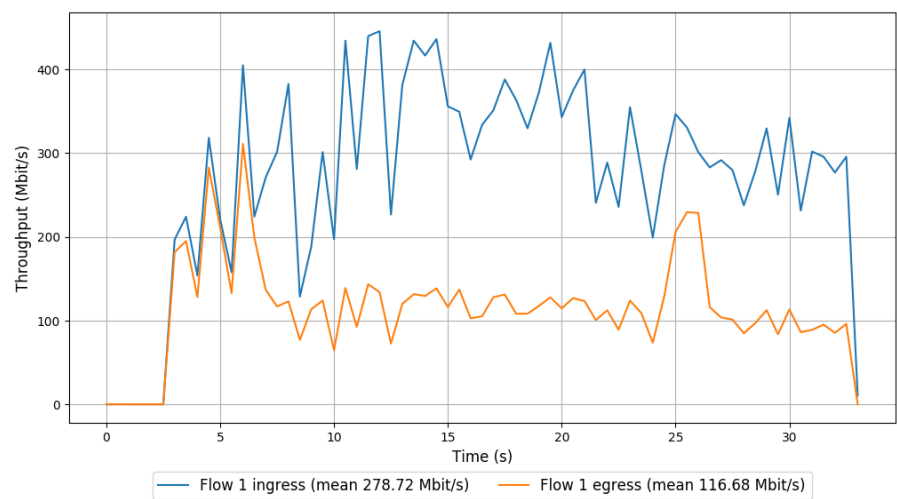
-- Flow 1:

Average throughput: 116.68 Mbit/s

95th percentile per-packet one-way delay: 1.890 ms

Loss rate: 58.15%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Tue, 04 Jul 2017 05:31:42 +0000

End at: Tue, 04 Jul 2017 05:32:12 +0000

Local clock offset: 1.125 ms

Remote clock offset: -1.113 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:33:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: -0.192 ms

Loss rate: 95.49%

-- Flow 1:

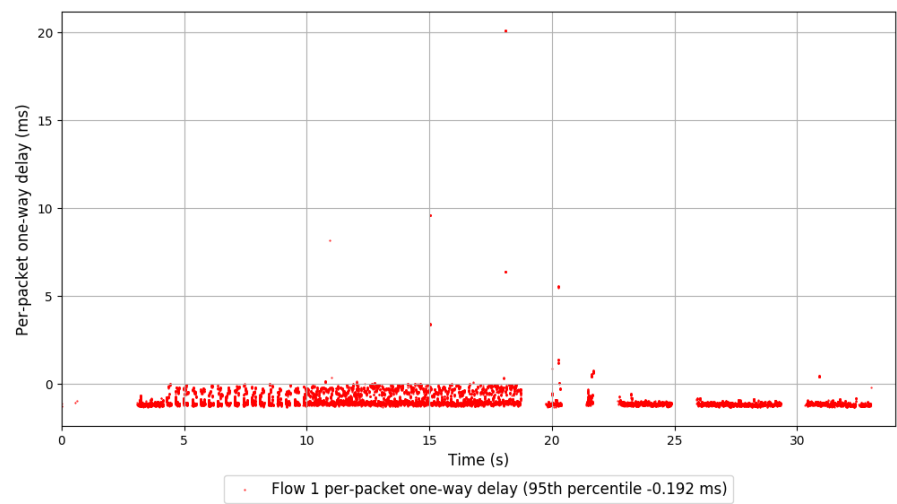
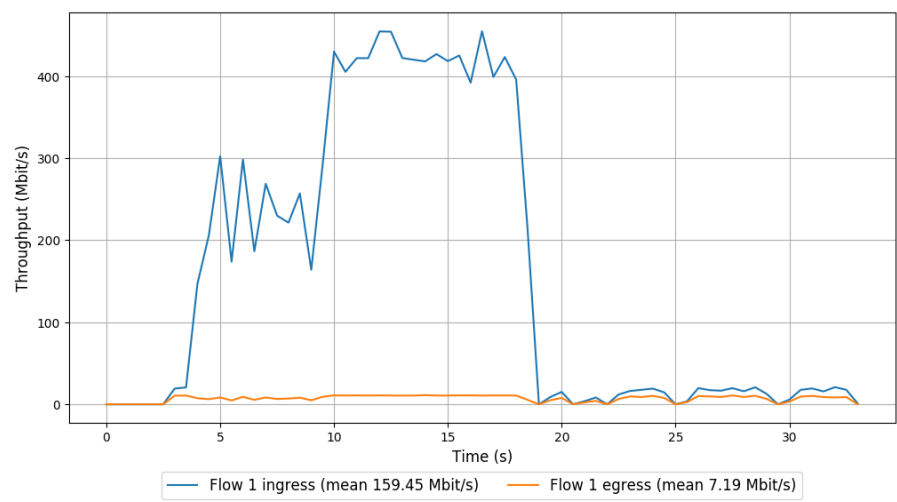
Average throughput: 7.19 Mbit/s

95th percentile per-packet one-way delay: -0.192 ms

Loss rate: 95.49%



Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Tue, 04 Jul 2017 05:50:33 +0000

End at: Tue, 04 Jul 2017 05:51:03 +0000

Local clock offset: 1.204 ms

Remote clock offset: -1.606 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:33:34 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.17 Mbit/s

95th percentile per-packet one-way delay: 2.712 ms

Loss rate: 48.21%

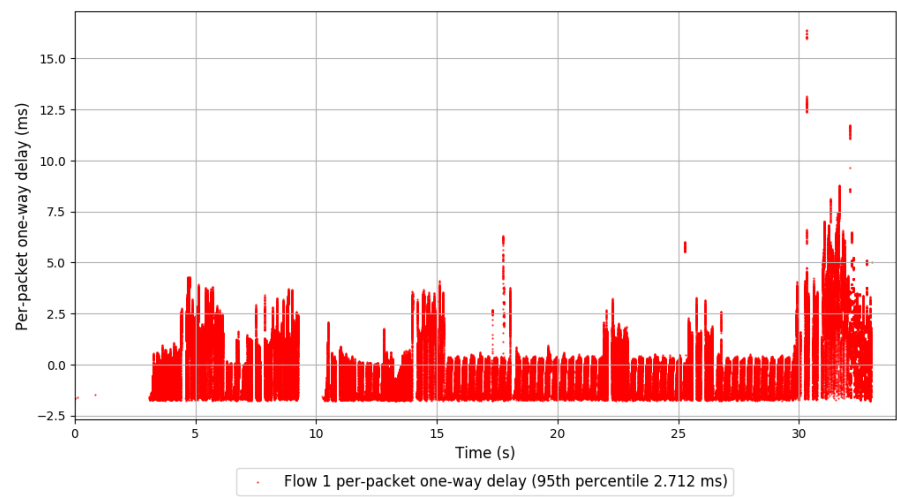
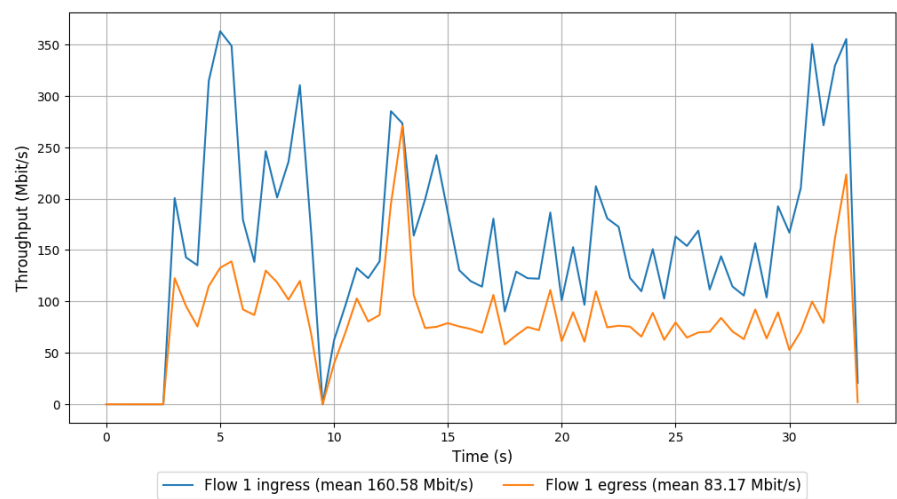
-- Flow 1:

Average throughput: 83.17 Mbit/s

95th percentile per-packet one-way delay: 2.712 ms

Loss rate: 48.21%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Tue, 04 Jul 2017 06:10:09 +0000

End at: Tue, 04 Jul 2017 06:10:39 +0000

Local clock offset: 0.93 ms

Remote clock offset: -1.175 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:33:41 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 106.94 Mbit/s

95th percentile per-packet one-way delay: 2.646 ms

Loss rate: 51.66%

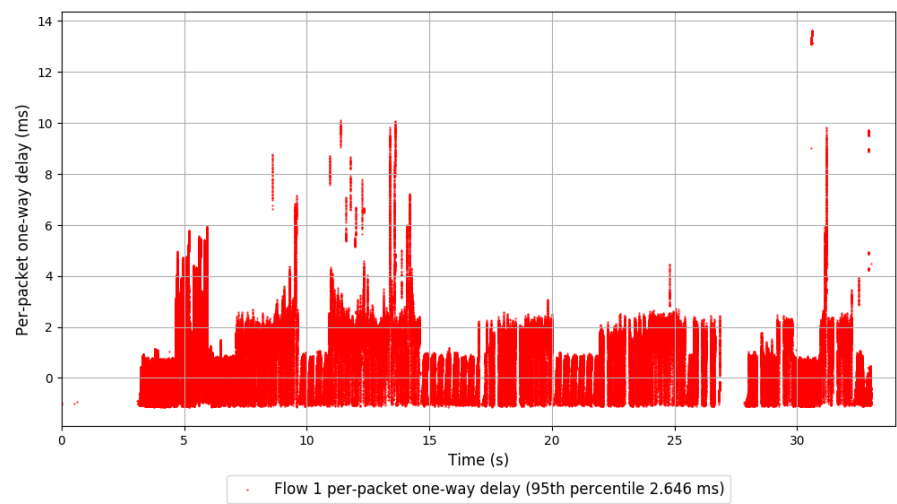
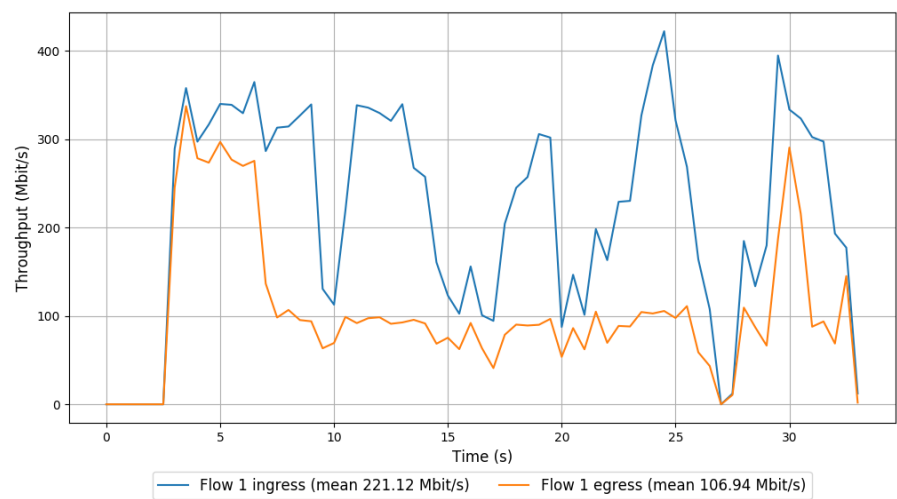
-- Flow 1:

Average throughput: 106.94 Mbit/s

95th percentile per-packet one-way delay: 2.646 ms

Loss rate: 51.66%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Tue, 04 Jul 2017 06:28:13 +0000

End at: Tue, 04 Jul 2017 06:28:43 +0000

Local clock offset: 0.834 ms

Remote clock offset: -1.037 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:33:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.42 Mbit/s

95th percentile per-packet one-way delay: 0.413 ms

Loss rate: 97.37%

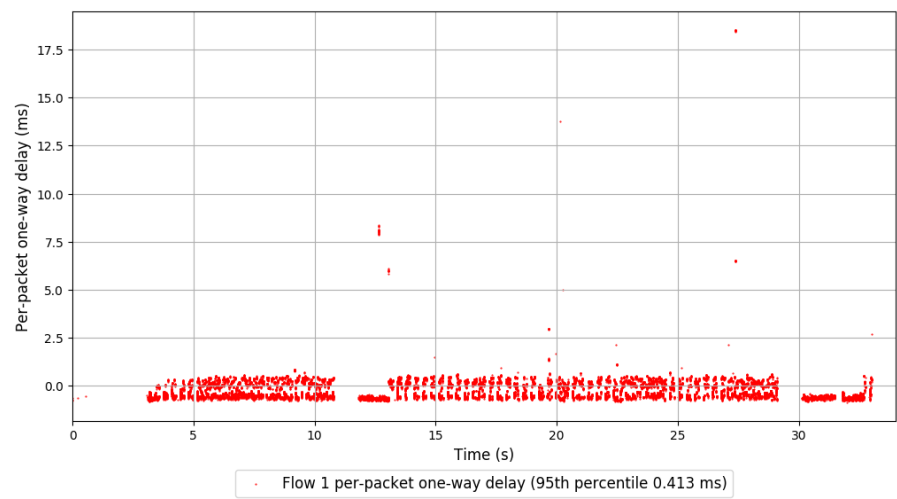
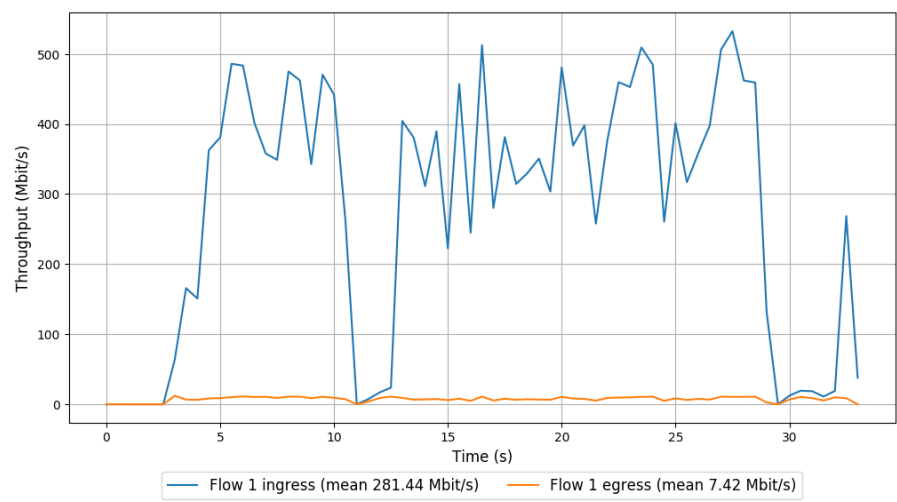
-- Flow 1:

Average throughput: 7.42 Mbit/s

95th percentile per-packet one-way delay: 0.413 ms

Loss rate: 97.37%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Tue, 04 Jul 2017 06:47:31 +0000

End at: Tue, 04 Jul 2017 06:48:01 +0000

Local clock offset: 0.525 ms

Remote clock offset: -1.354 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:33:54 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.55 Mbit/s

95th percentile per-packet one-way delay: 2.710 ms

Loss rate: 62.09%

-- Flow 1:

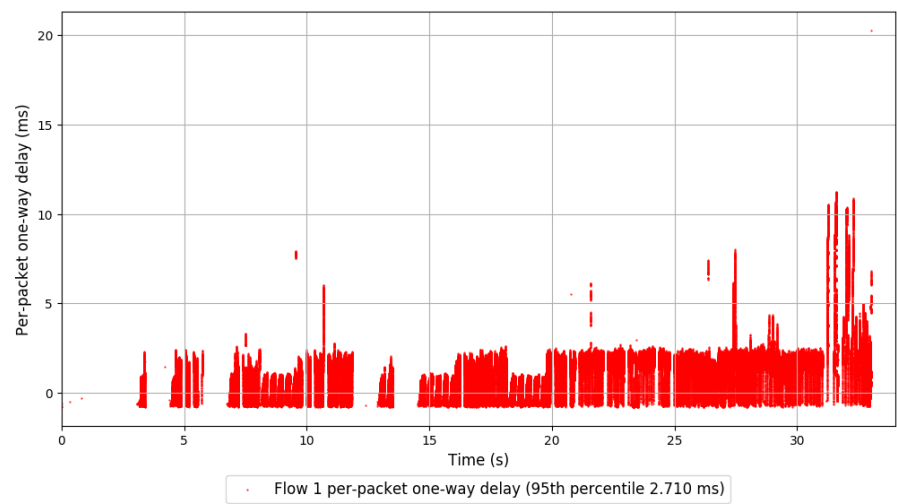
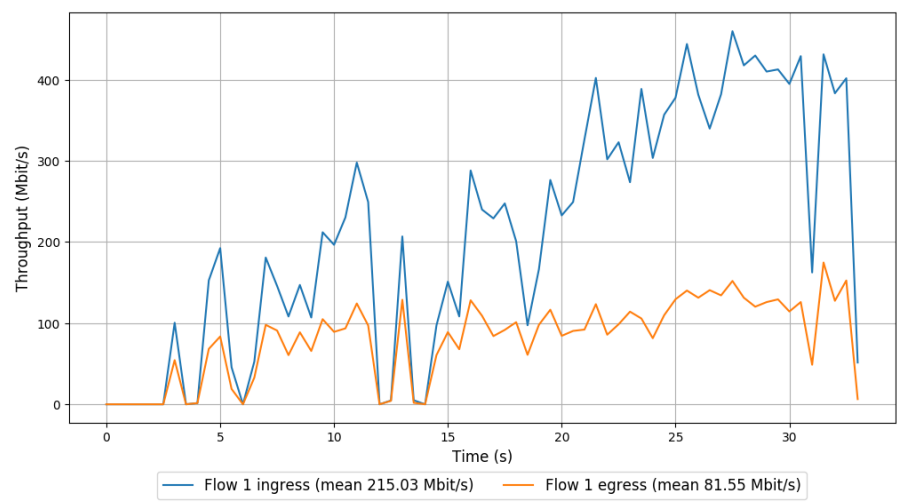
Average throughput: 81.55 Mbit/s

95th percentile per-packet one-way delay: 2.710 ms

Loss rate: 62.09%



Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Tue, 04 Jul 2017 07:07:09 +0000

End at: Tue, 04 Jul 2017 07:07:39 +0000

Local clock offset: 0.164 ms

Remote clock offset: -1.332 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:02 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 2.118 ms

Loss rate: 45.57%

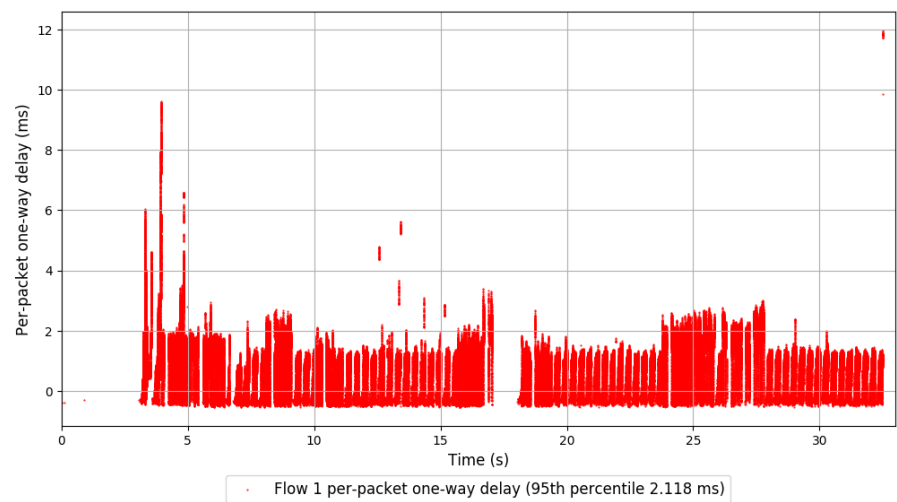
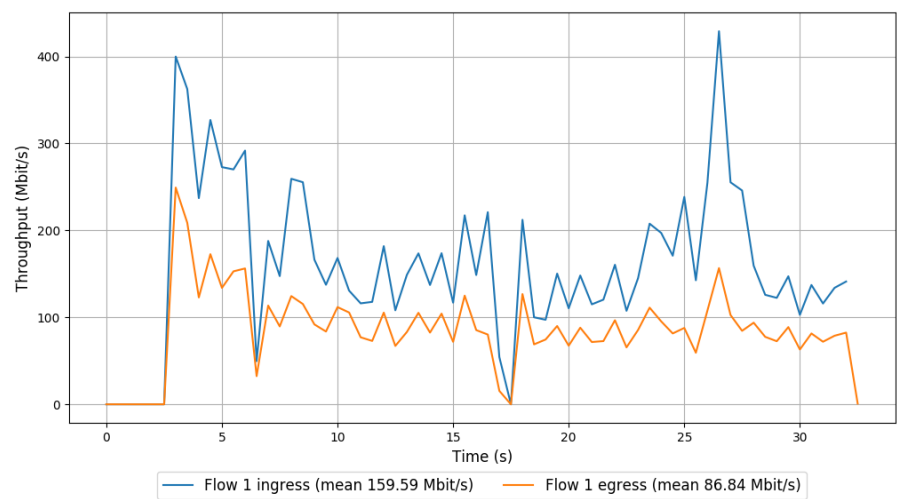
-- Flow 1:

Average throughput: 86.84 Mbit/s

95th percentile per-packet one-way delay: 2.118 ms

Loss rate: 45.57%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Tue, 04 Jul 2017 07:26:41 +0000

End at: Tue, 04 Jul 2017 07:27:11 +0000

Local clock offset: 0.031 ms

Remote clock offset: -1.192 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:08 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.18 Mbit/s

95th percentile per-packet one-way delay: 3.505 ms

Loss rate: 58.78%

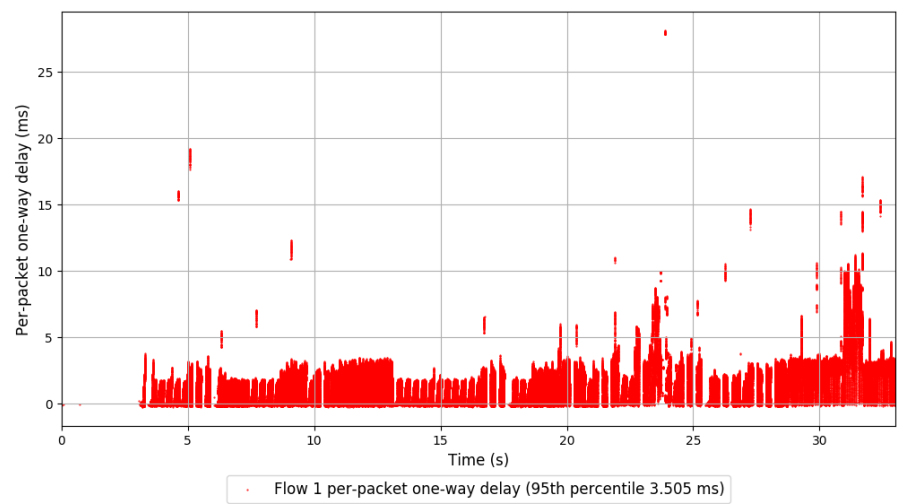
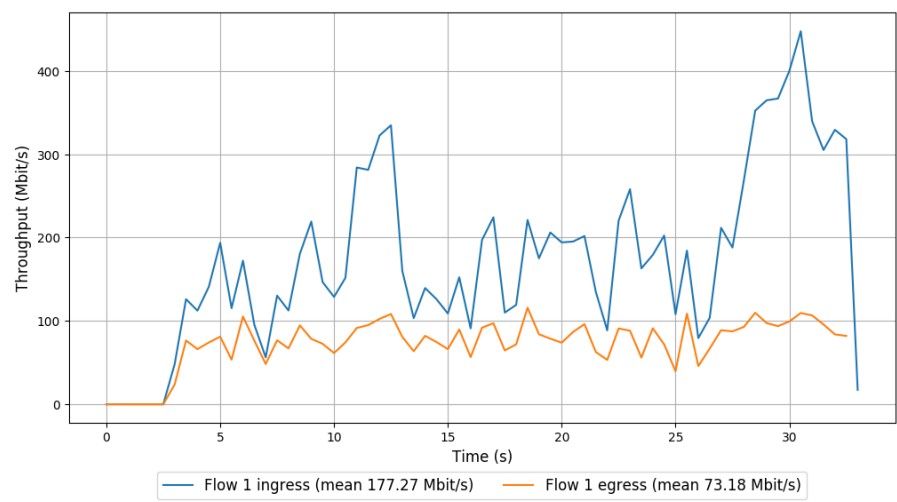
-- Flow 1:

Average throughput: 73.18 Mbit/s

95th percentile per-packet one-way delay: 3.505 ms

Loss rate: 58.78%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Tue, 04 Jul 2017 07:46:15 +0000

End at: Tue, 04 Jul 2017 07:46:45 +0000

Local clock offset: -0.174 ms

Remote clock offset: -1.117 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.24 Mbit/s

95th percentile per-packet one-way delay: 2.680 ms

Loss rate: 49.28%

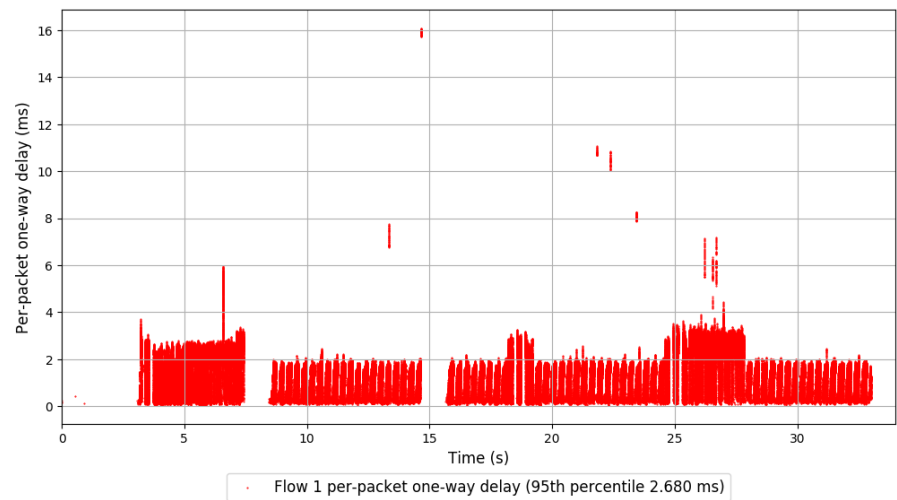
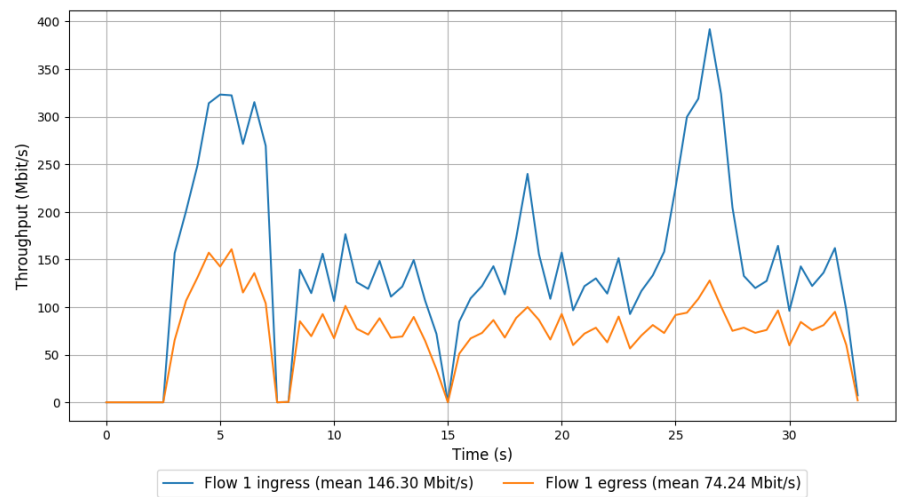
-- Flow 1:

Average throughput: 74.24 Mbit/s

95th percentile per-packet one-way delay: 2.680 ms

Loss rate: 49.28%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 05:06:46 +0000

End at: Tue, 04 Jul 2017 05:07:17 +0000

Local clock offset: 1.252 ms

Remote clock offset: -0.92 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: -0.357 ms

Loss rate: 0.00%

-- Flow 1:

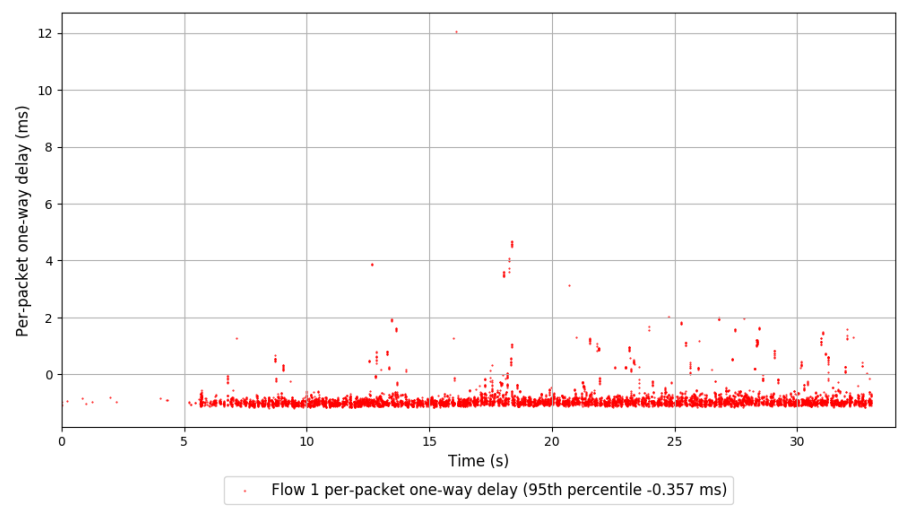
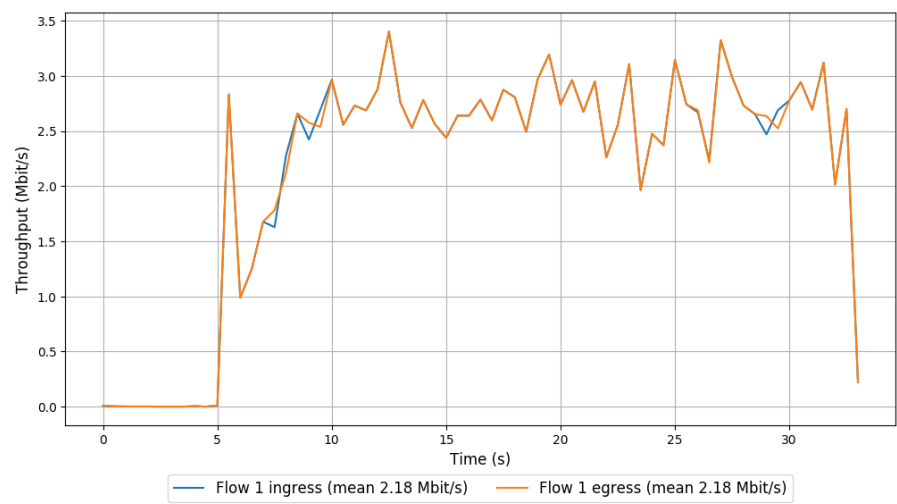
Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: -0.357 ms

Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 05:25:49 +0000

End at: Tue, 04 Jul 2017 05:26:19 +0000

Local clock offset: 1.232 ms

Remote clock offset: -0.961 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: -0.009 ms

Loss rate: 0.65%

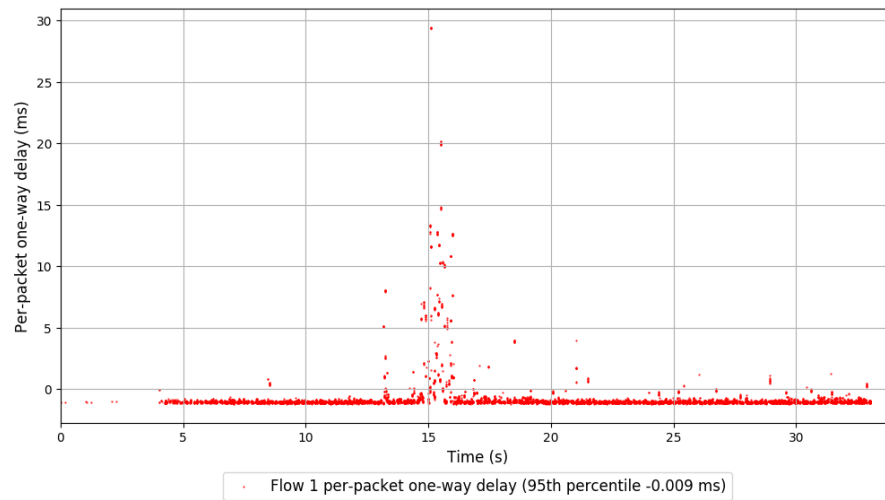
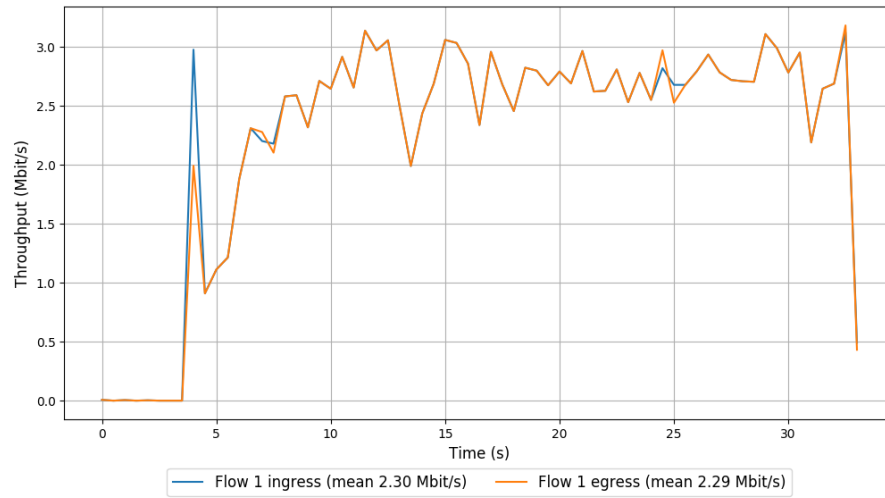
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: -0.009 ms

Loss rate: 0.65%

## Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 05:43:47 +0000

End at: Tue, 04 Jul 2017 05:44:17 +0000

Local clock offset: 1.198 ms

Remote clock offset: -1.413 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: -1.167 ms

Loss rate: 0.76%

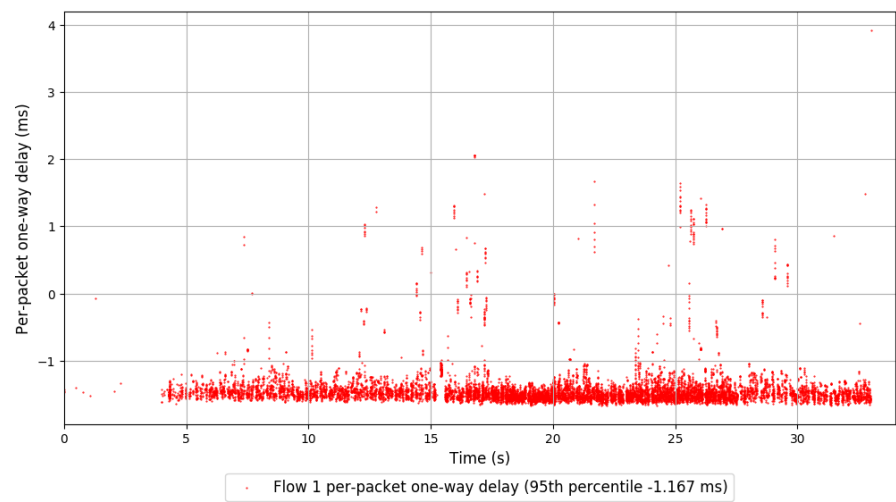
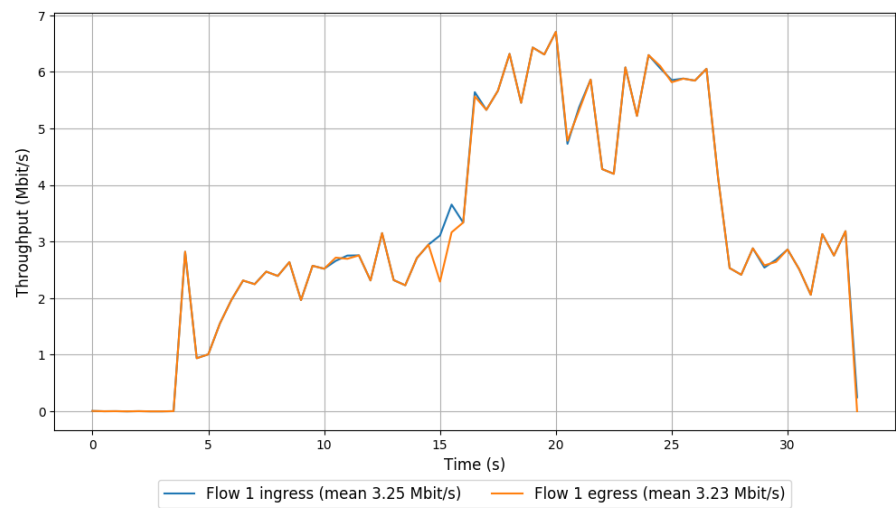
-- Flow 1:

Average throughput: 3.23 Mbit/s

95th percentile per-packet one-way delay: -1.167 ms

Loss rate: 0.76%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 06:03:27 +0000

End at: Tue, 04 Jul 2017 06:03:57 +0000

Local clock offset: 1.109 ms

Remote clock offset: -1.277 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: -0.933 ms

Loss rate: 0.00%

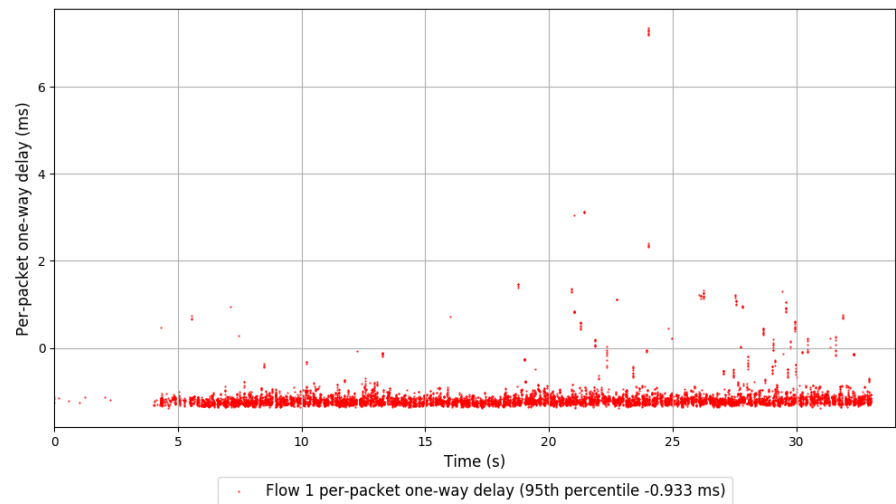
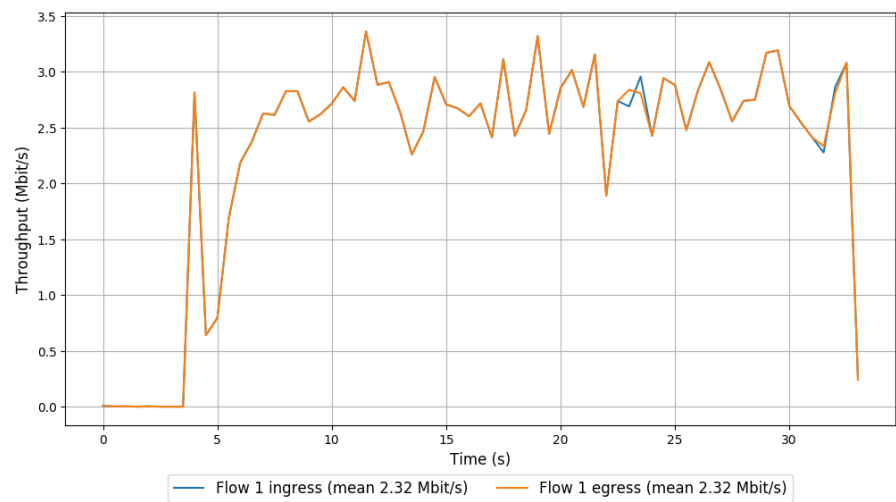
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: -0.933 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 06:22:20 +0000

End at: Tue, 04 Jul 2017 06:22:50 +0000

Local clock offset: 0.792 ms

Remote clock offset: -0.972 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: -0.255 ms

Loss rate: 0.14%

-- Flow 1:

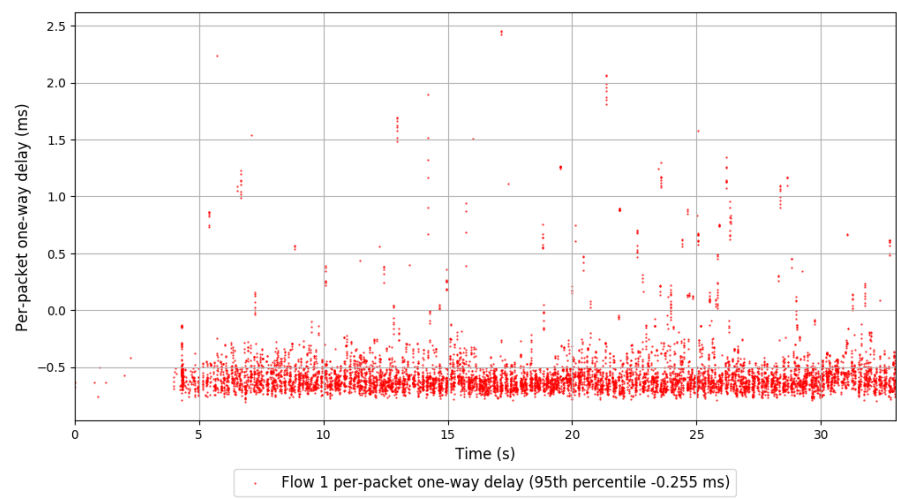
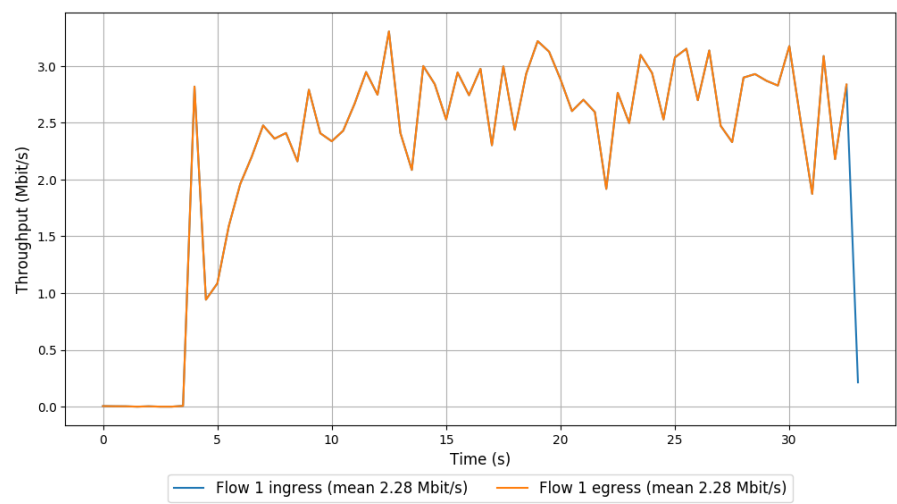
Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: -0.255 ms

Loss rate: 0.14%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 06:40:29 +0000

End at: Tue, 04 Jul 2017 06:40:59 +0000

Local clock offset: 0.635 ms

Remote clock offset: -1.348 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: -0.518 ms

Loss rate: 0.15%

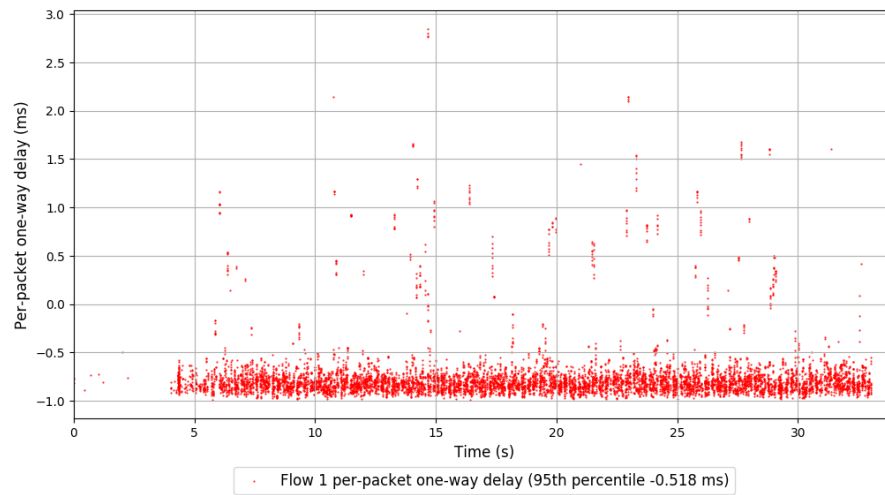
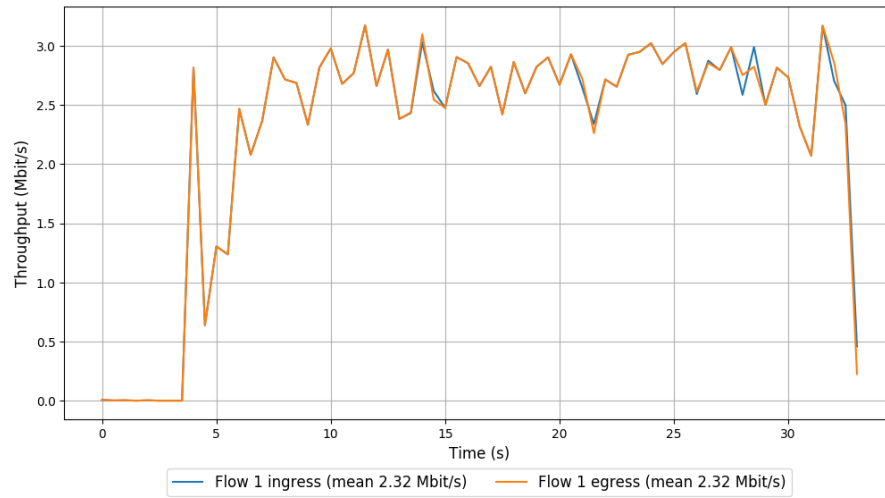
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: -0.518 ms

Loss rate: 0.15%

## Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 07:00:23 +0000

End at: Tue, 04 Jul 2017 07:00:53 +0000

Local clock offset: 0.253 ms

Remote clock offset: -1.353 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: -0.194 ms

Loss rate: 0.11%

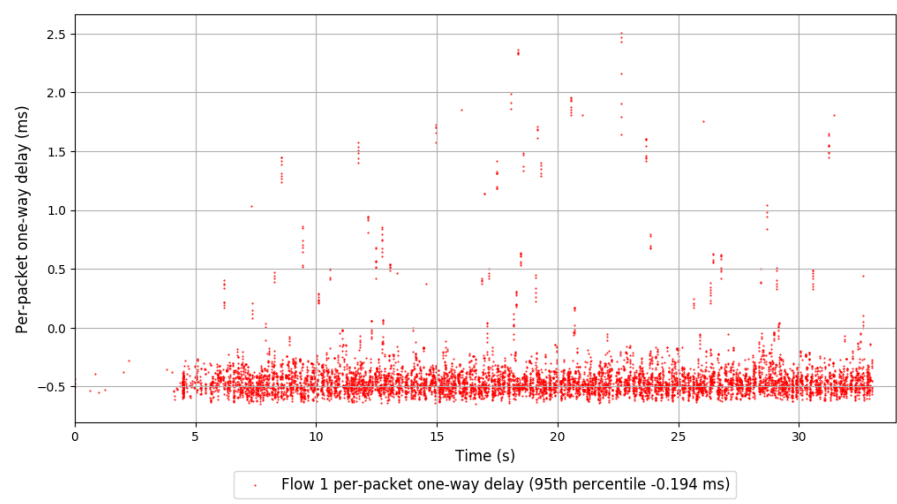
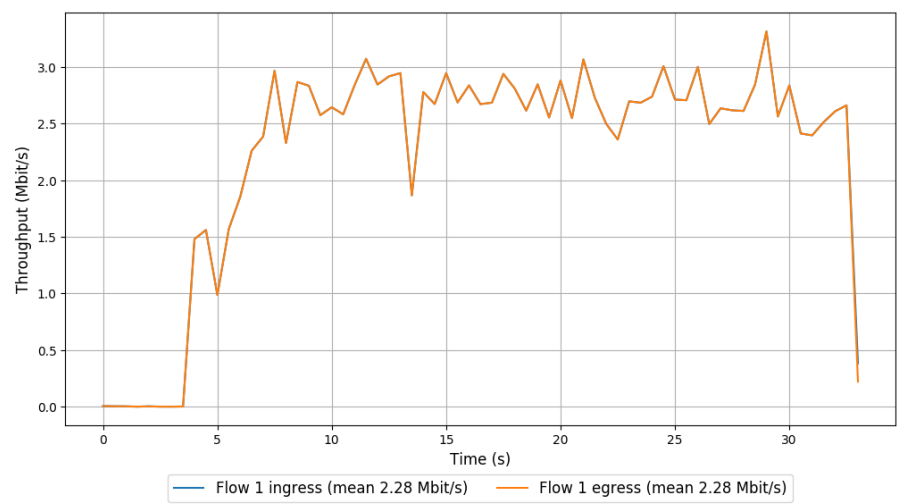
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: -0.194 ms

Loss rate: 0.11%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 07:19:57 +0000

End at: Tue, 04 Jul 2017 07:20:27 +0000

Local clock offset: 0.125 ms

Remote clock offset: -1.394 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 0.391 ms

Loss rate: 0.16%

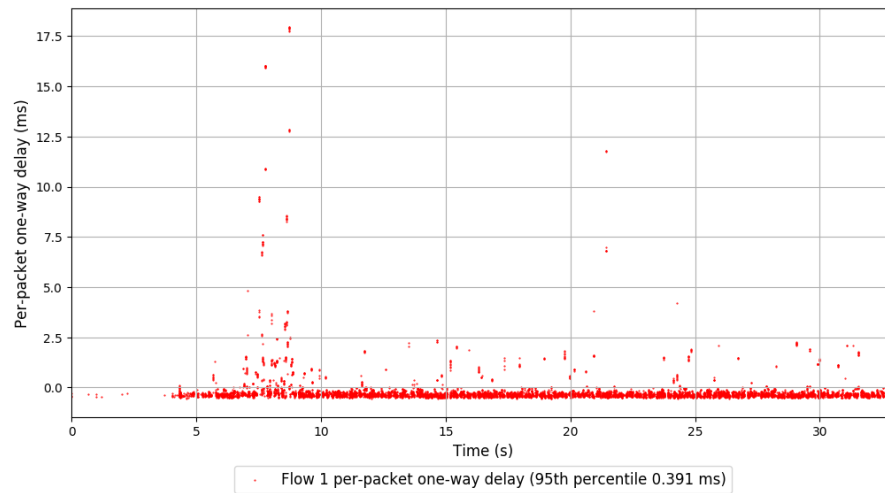
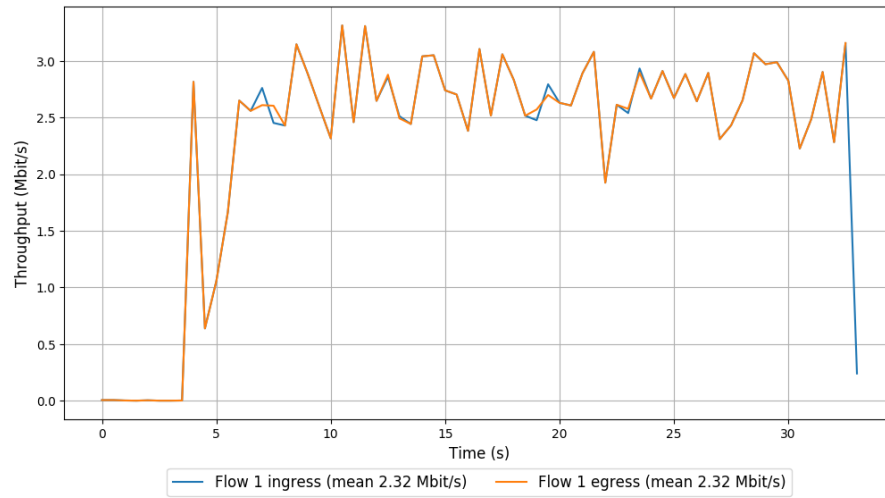
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 0.391 ms

Loss rate: 0.16%

## Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 07:39:26 +0000

End at: Tue, 04 Jul 2017 07:39:56 +0000

Local clock offset: -0.109 ms

Remote clock offset: -1.281 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 0.230 ms

Loss rate: 0.15%

-- Flow 1:

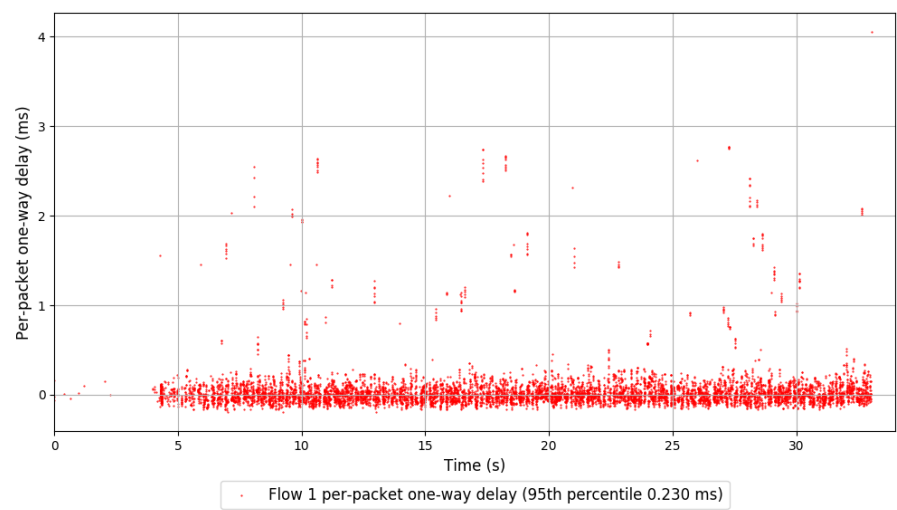
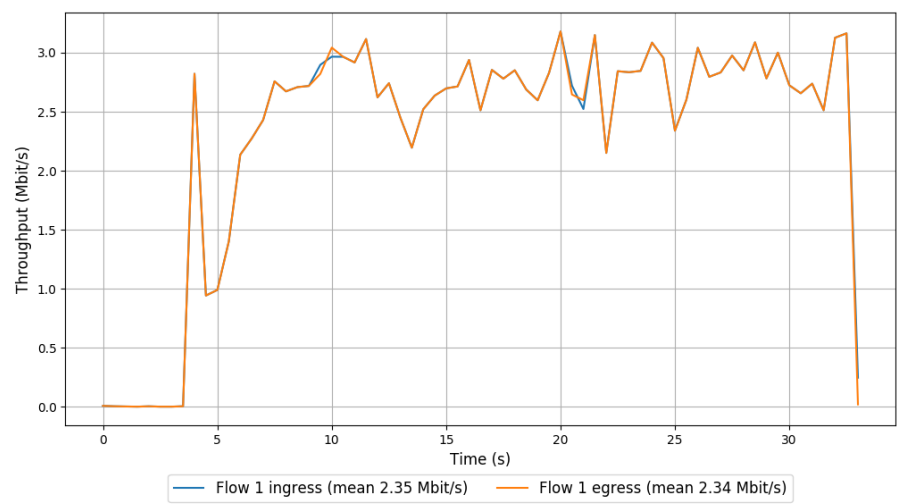
Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 0.230 ms

Loss rate: 0.15%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 07:58:52 +0000

End at: Tue, 04 Jul 2017 07:59:22 +0000

Local clock offset: -0.355 ms

Remote clock offset: -1.192 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 10:34:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 0.487 ms

Loss rate: 0.13%

-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 0.487 ms

Loss rate: 0.13%

Run 10: Report of WebRTC media — Data Link

