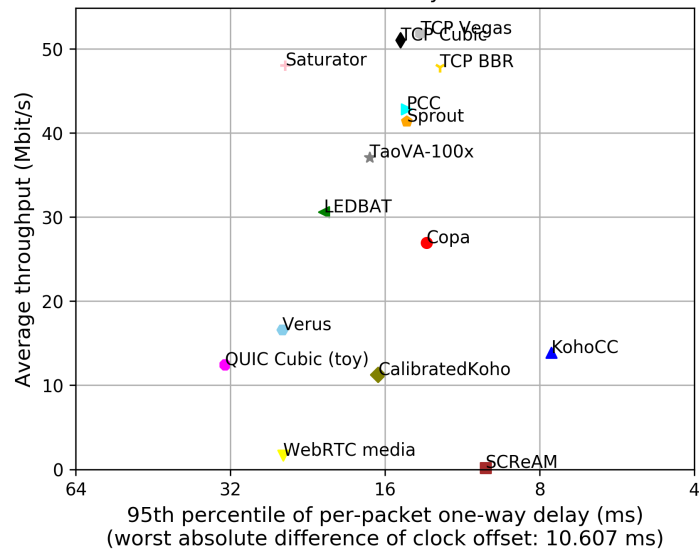


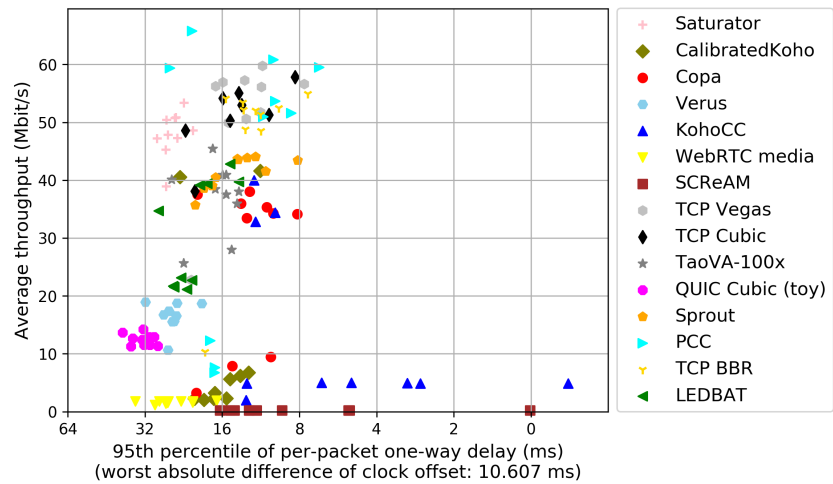
**Pantheon Summary** (Generated at Fri, 16 Jun 2017 07:46:18 +0000 with pantheon version f1f579919e2382b18c1fb18b676e821e7efc0b62)  
Repeated the test of 15 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Data path **from** Brazil Ethernet **to** AWS Brazil 1 Ethernet.  
NTP offset measured against gps.ntp.br.

```
git branch: master @ f1f579919e2382b18c1fb18b676e821e7efc0b62
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 @ 4893799ab83a43fa2d3236507d168f461e1243ed
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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

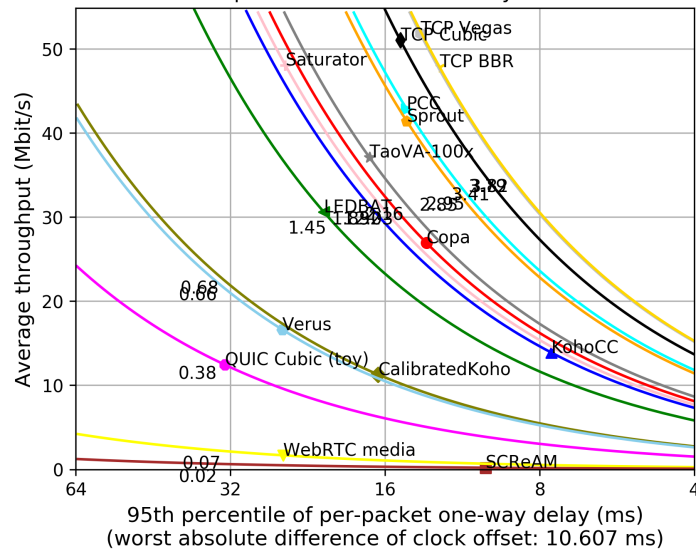


test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme





test from Brazil Ethernet to AWS Brazil 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: Fri, 16 Jun 2017 02:25:06 +0000

End at: Fri, 16 Jun 2017 02:25:36 +0000

Local clock offset: -3.778 ms

Remote clock offset: 1.553 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:19:51 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.11 Mbit/s

95th percentile per-packet one-way delay: 15.508 ms

Loss rate: 9.36%

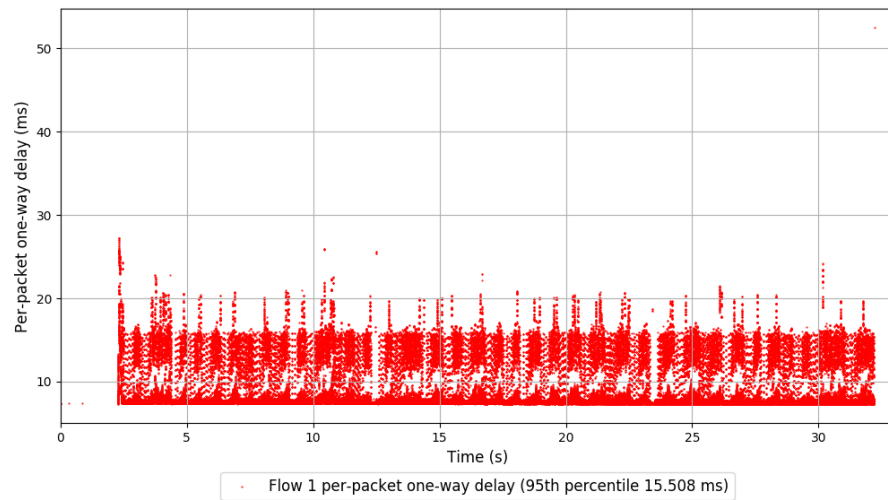
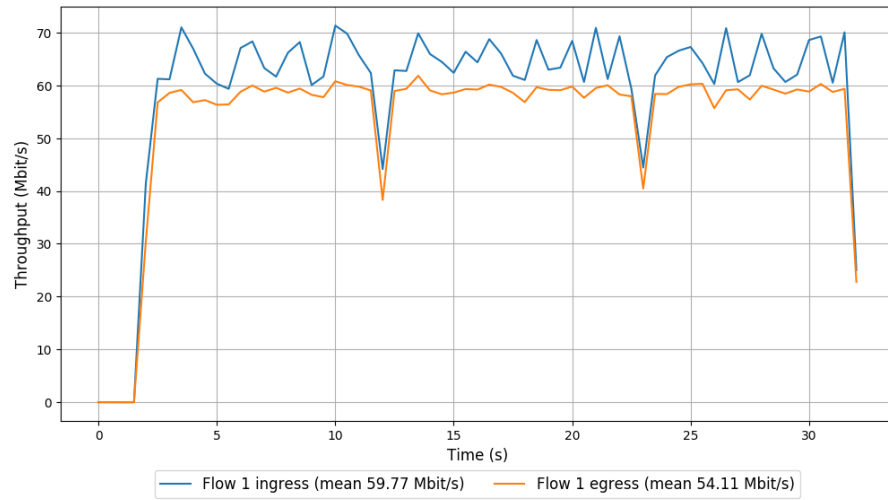
-- Flow 1:

Average throughput: 54.11 Mbit/s

95th percentile per-packet one-way delay: 15.508 ms

Loss rate: 9.36%

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



Run 2: Statistics of TCP BBR

Start at: Fri, 16 Jun 2017 02:43:15 +0000

End at: Fri, 16 Jun 2017 02:43:45 +0000

Local clock offset: -1.488 ms

Remote clock offset: 0.194 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:19:51 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.06 Mbit/s

95th percentile per-packet one-way delay: 11.863 ms

Loss rate: 9.57%

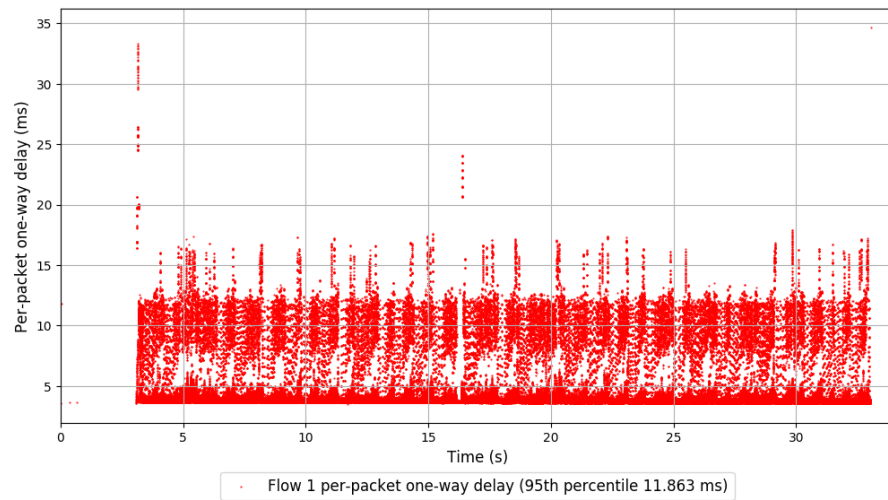
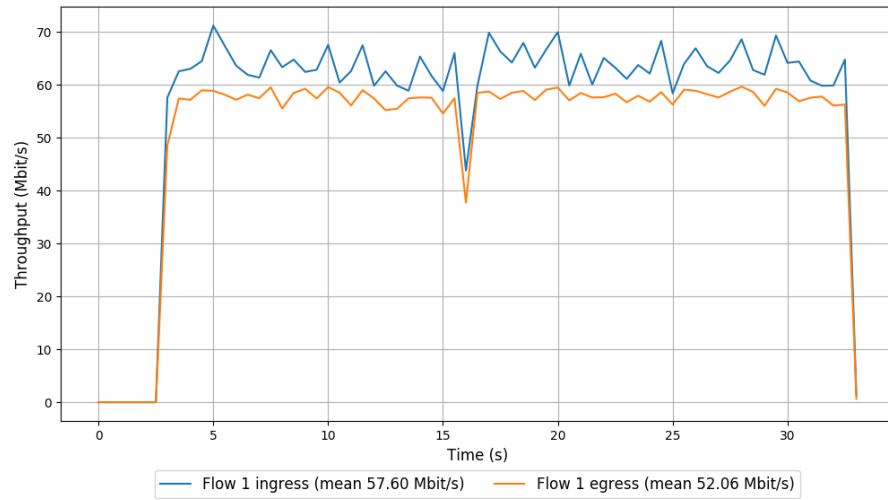
-- Flow 1:

Average throughput: 52.06 Mbit/s

95th percentile per-packet one-way delay: 11.863 ms

Loss rate: 9.57%

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



Run 3: Statistics of TCP BBR

Start at: Fri, 16 Jun 2017 03:01:44 +0000

End at: Fri, 16 Jun 2017 03:02:14 +0000

Local clock offset: -0.363 ms

Remote clock offset: -1.104 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:20:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.46 Mbit/s

95th percentile per-packet one-way delay: 9.626 ms

Loss rate: 9.60%

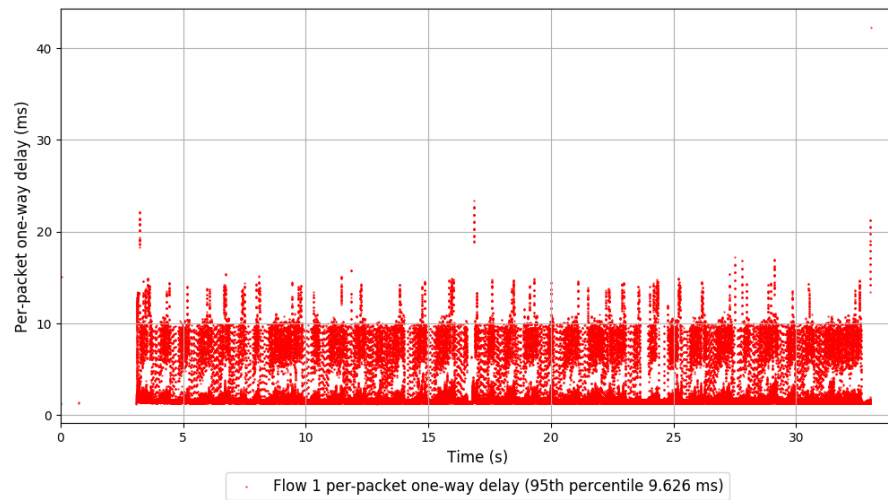
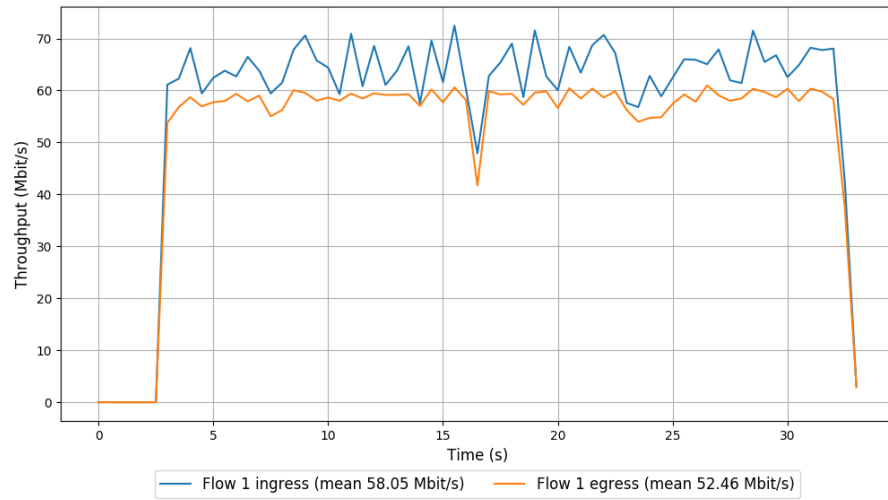
-- Flow 1:

Average throughput: 52.46 Mbit/s

95th percentile per-packet one-way delay: 9.626 ms

Loss rate: 9.60%

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



Run 4: Statistics of TCP BBR

Start at: Fri, 16 Jun 2017 03:20:23 +0000

End at: Fri, 16 Jun 2017 03:20:53 +0000

Local clock offset: 0.79 ms

Remote clock offset: -2.033 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:20:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 7.424 ms

Loss rate: 9.45%

-- Flow 1:

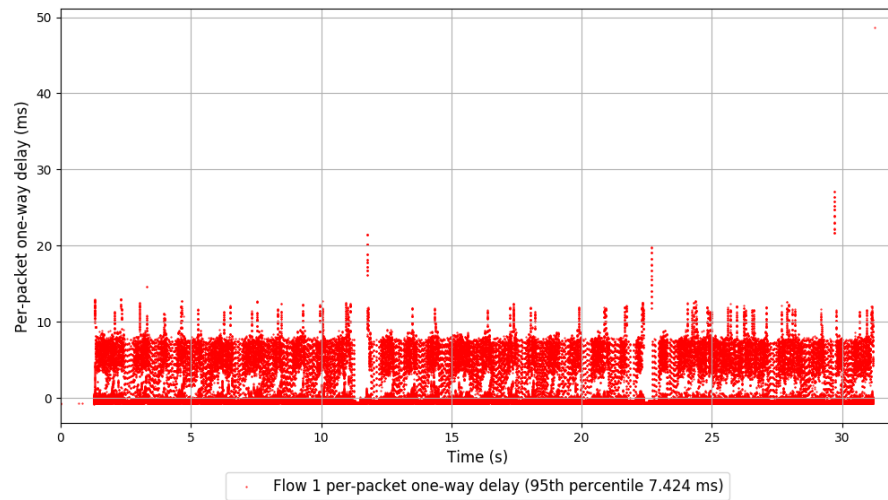
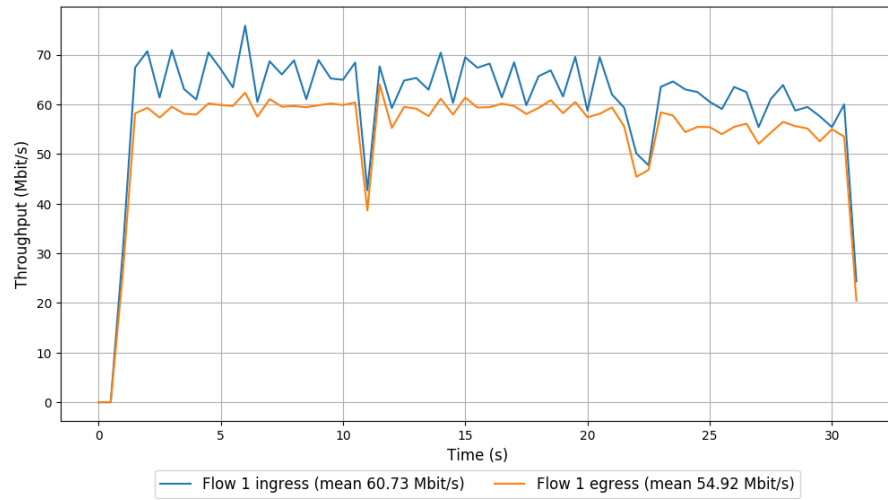
Average throughput: 54.92 Mbit/s

95th percentile per-packet one-way delay: 7.424 ms

Loss rate: 9.45%



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



Run 5: Statistics of TCP BBR

Start at: Fri, 16 Jun 2017 03:38:24 +0000

End at: Fri, 16 Jun 2017 03:38:54 +0000

Local clock offset: -3.44 ms

Remote clock offset: -2.562 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:20:54 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.38 Mbit/s

95th percentile per-packet one-way delay: 11.330 ms

Loss rate: 8.93%

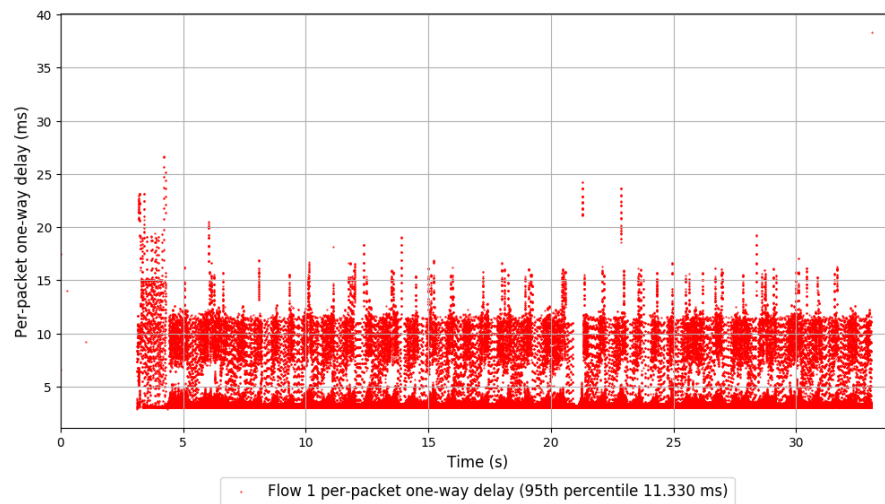
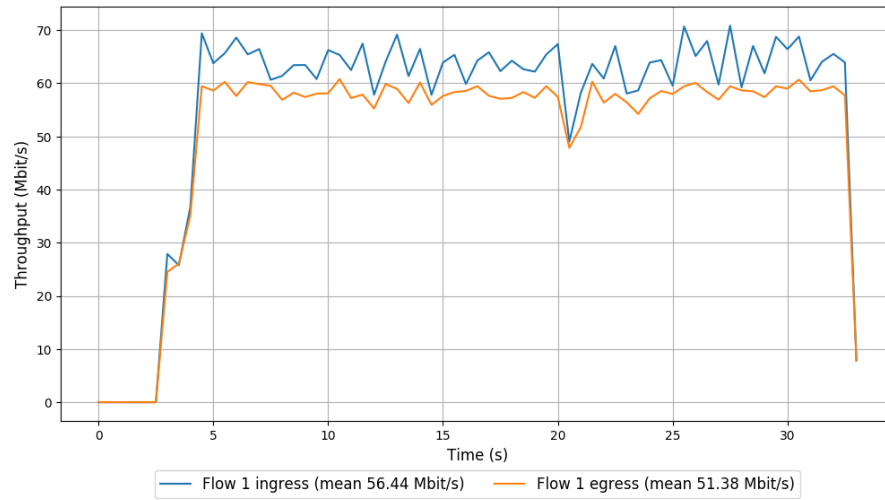
-- Flow 1:

Average throughput: 51.38 Mbit/s

95th percentile per-packet one-way delay: 11.330 ms

Loss rate: 8.93%

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



Run 6: Statistics of TCP BBR

Start at: Fri, 16 Jun 2017 03:57:09 +0000

End at: Fri, 16 Jun 2017 03:57:39 +0000

Local clock offset: -3.908 ms

Remote clock offset: -3.224 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:20:54 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.55 Mbit/s

95th percentile per-packet one-way delay: 11.314 ms

Loss rate: 9.28%

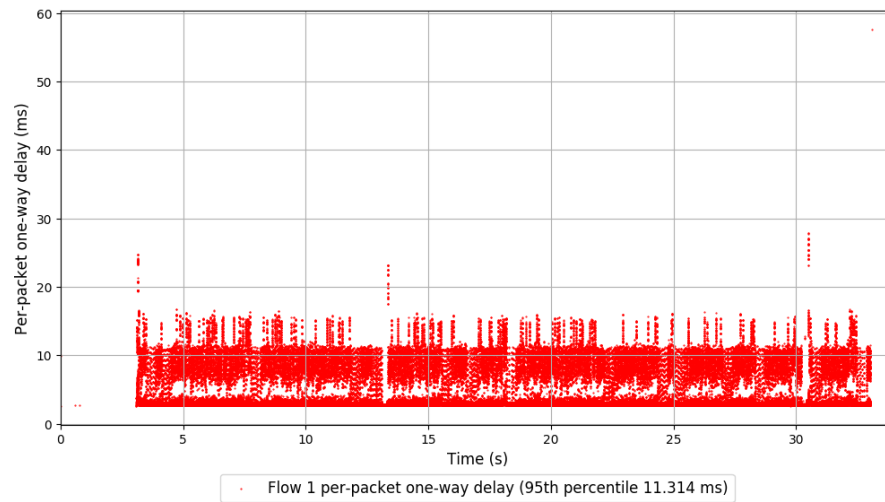
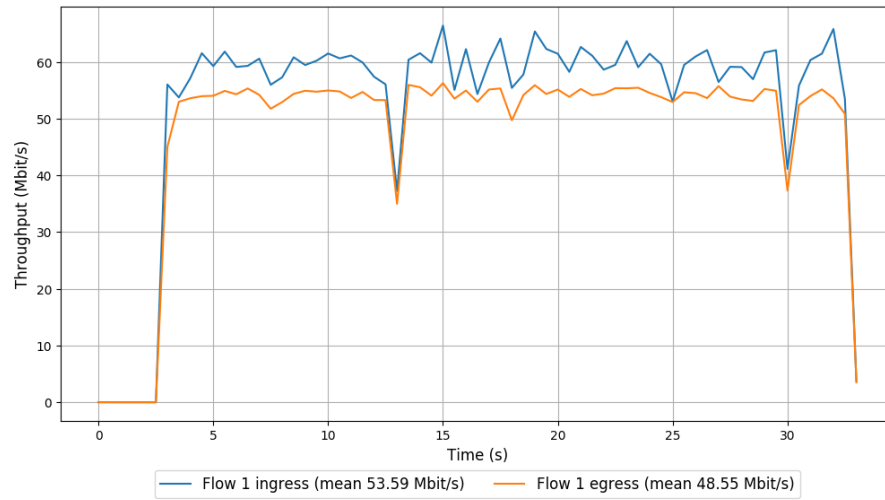
-- Flow 1:

Average throughput: 48.55 Mbit/s

95th percentile per-packet one-way delay: 11.314 ms

Loss rate: 9.28%

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



Run 7: Statistics of TCP BBR

Start at: Fri, 16 Jun 2017 04:15:30 +0000

End at: Fri, 16 Jun 2017 04:16:00 +0000

Local clock offset: -5.489 ms

Remote clock offset: -3.105 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:21:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.77 Mbit/s

95th percentile per-packet one-way delay: 13.011 ms

Loss rate: 8.49%

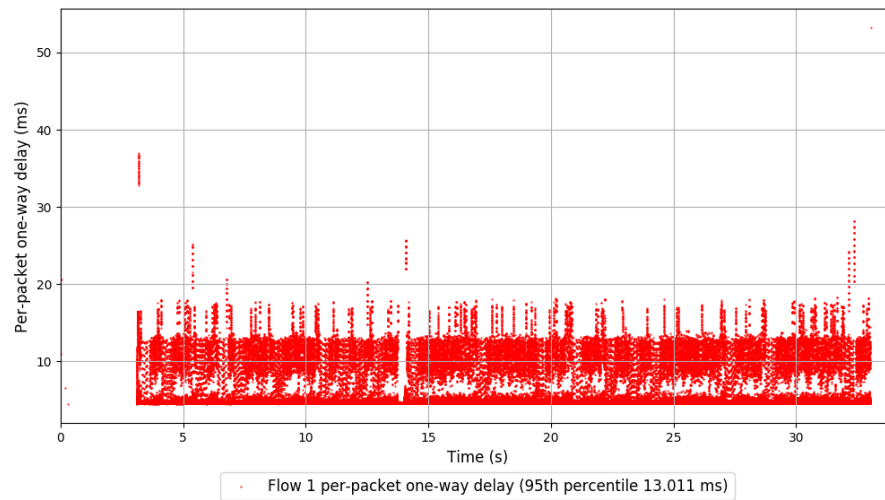
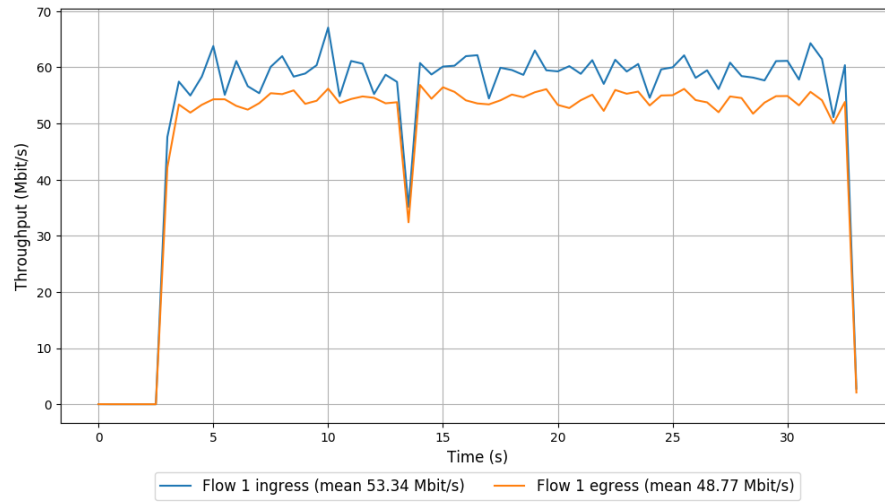
-- Flow 1:

Average throughput: 48.77 Mbit/s

95th percentile per-packet one-way delay: 13.011 ms

Loss rate: 8.49%

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



Run 8: Statistics of TCP BBR

Start at: Fri, 16 Jun 2017 04:33:33 +0000

End at: Fri, 16 Jun 2017 04:34:03 +0000

Local clock offset: -6.077 ms

Remote clock offset: -3.011 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:21:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.31 Mbit/s

95th percentile per-packet one-way delay: 18.666 ms

Loss rate: 0.31%

-- Flow 1:

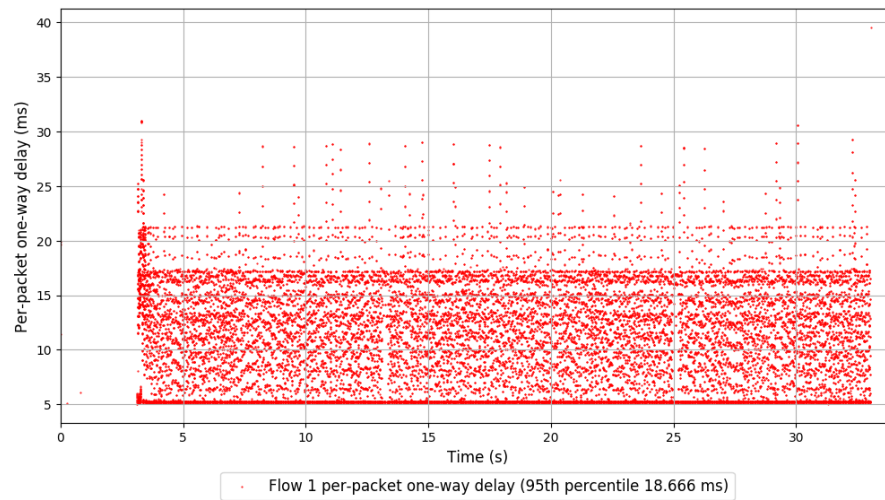
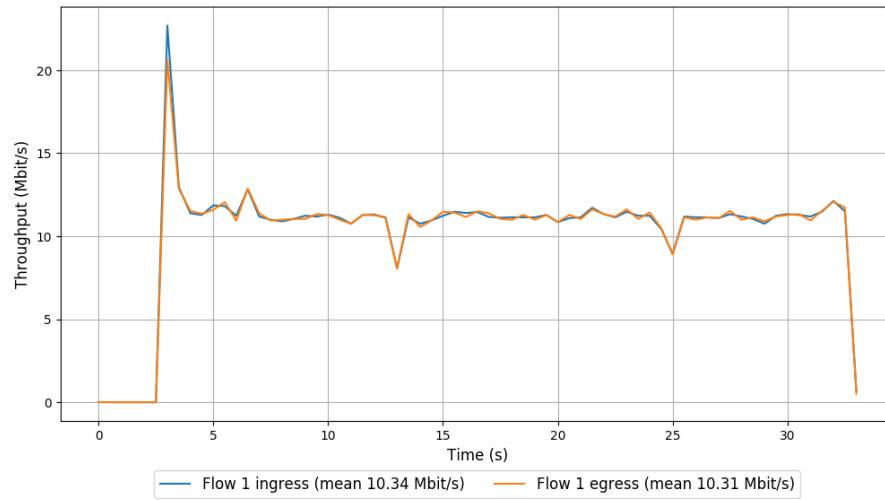
Average throughput: 10.31 Mbit/s

95th percentile per-packet one-way delay: 18.666 ms

Loss rate: 0.31%



# Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Fri, 16 Jun 2017 04:51:54 +0000

End at: Fri, 16 Jun 2017 04:52:24 +0000

Local clock offset: -5.836 ms

Remote clock offset: -2.872 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:21:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.44 Mbit/s

95th percentile per-packet one-way delay: 13.308 ms

Loss rate: 9.21%

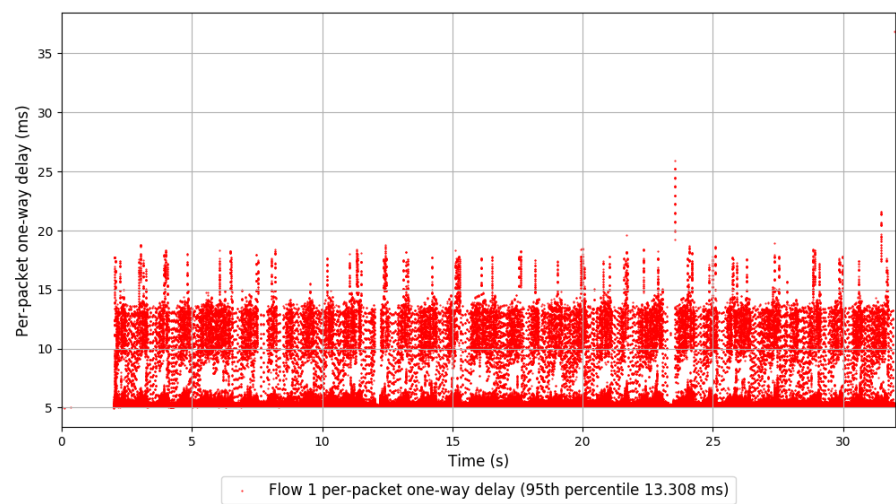
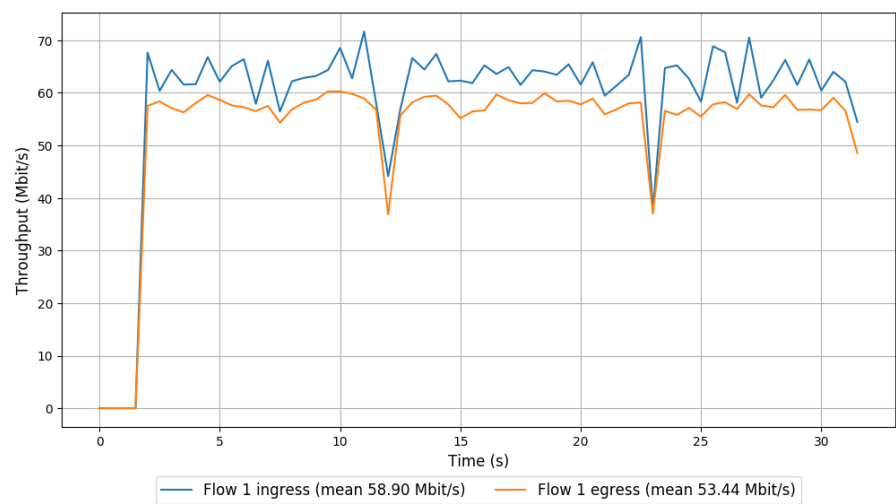
-- Flow 1:

Average throughput: 53.44 Mbit/s

95th percentile per-packet one-way delay: 13.308 ms

Loss rate: 9.21%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Fri, 16 Jun 2017 05:10:32 +0000

End at: Fri, 16 Jun 2017 05:11:02 +0000

Local clock offset: -5.359 ms

Remote clock offset: -2.697 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:21:49 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.15 Mbit/s

95th percentile per-packet one-way delay: 13.230 ms

Loss rate: 9.49%

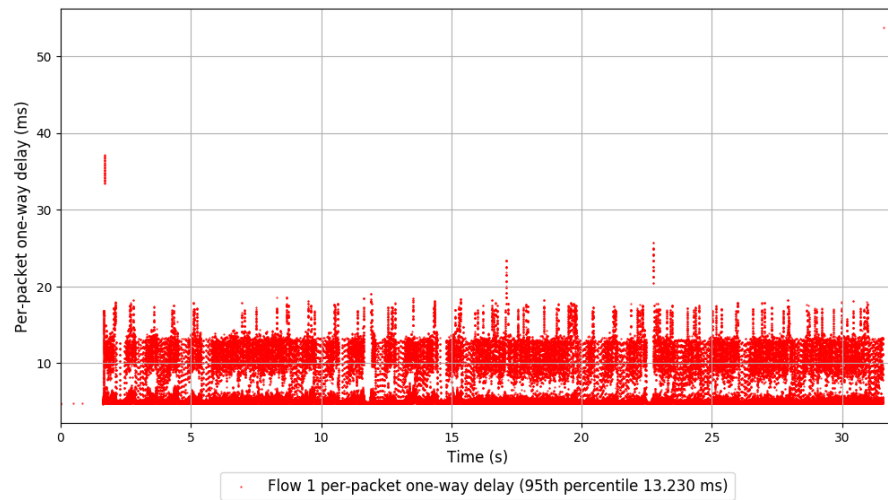
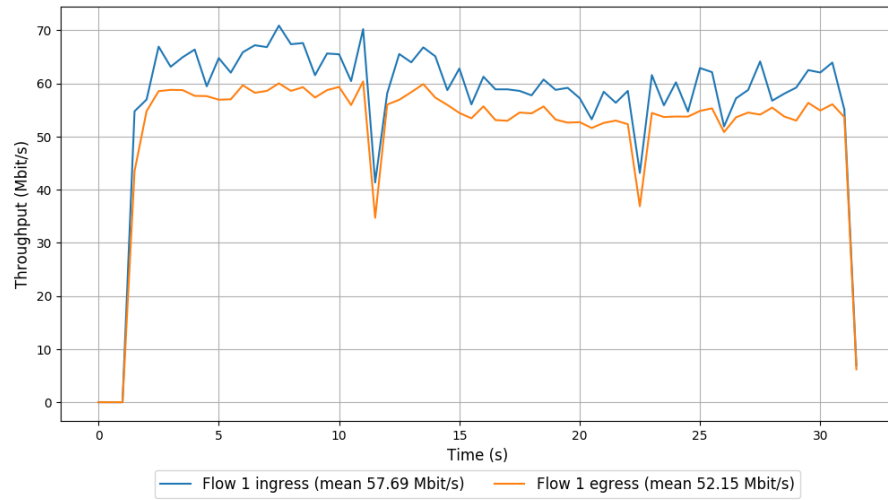
-- Flow 1:

Average throughput: 52.15 Mbit/s

95th percentile per-packet one-way delay: 13.230 ms

Loss rate: 9.49%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Fri, 16 Jun 2017 02:16:22 +0000

End at: Fri, 16 Jun 2017 02:16:52 +0000

Local clock offset: -8.275 ms

Remote clock offset: 2.102 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:21:53 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.55 Mbit/s

95th percentile per-packet one-way delay: 23.417 ms

Loss rate: 0.46%

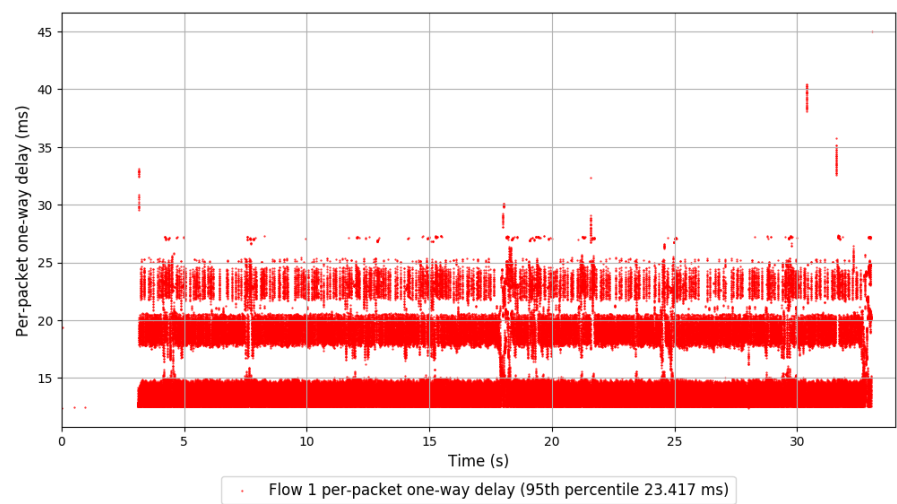
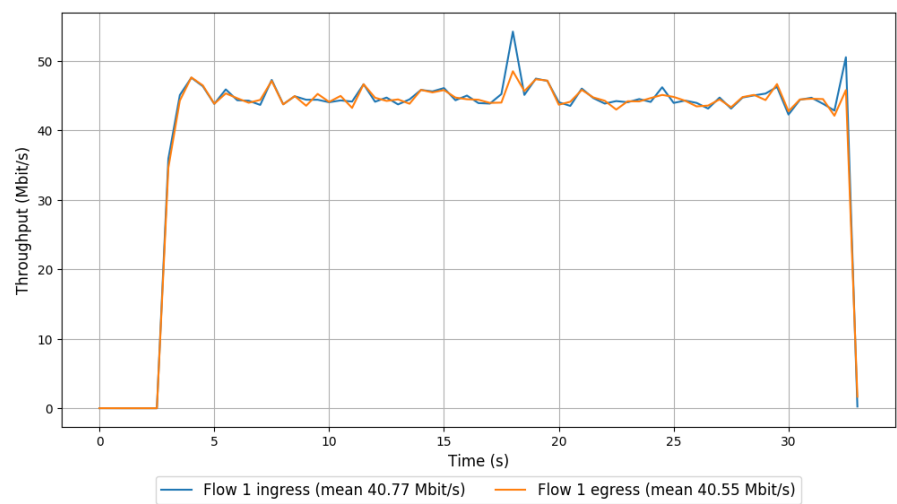
-- Flow 1:

Average throughput: 40.55 Mbit/s

95th percentile per-packet one-way delay: 23.417 ms

Loss rate: 0.46%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Fri, 16 Jun 2017 02:35:02 +0000

End at: Fri, 16 Jun 2017 02:35:32 +0000

Local clock offset: -2.44 ms

Remote clock offset: 0.683 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:21:55 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 17.261 ms

Loss rate: 0.02%

-- Flow 1:

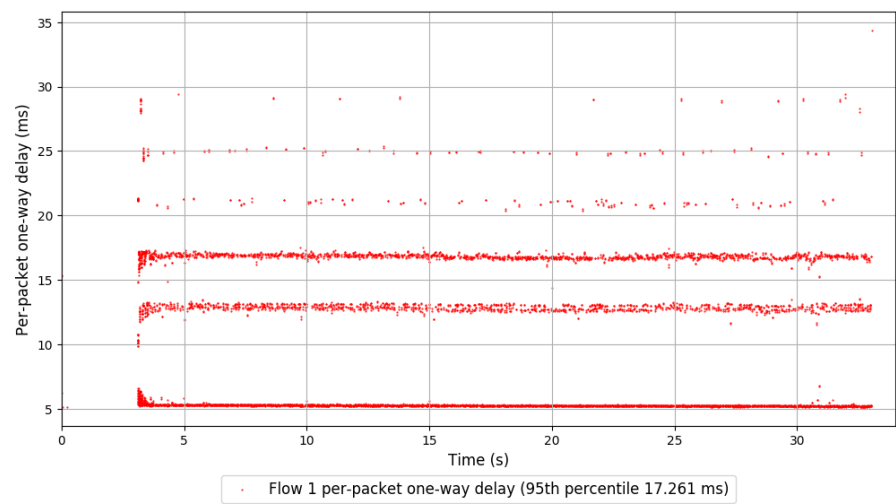
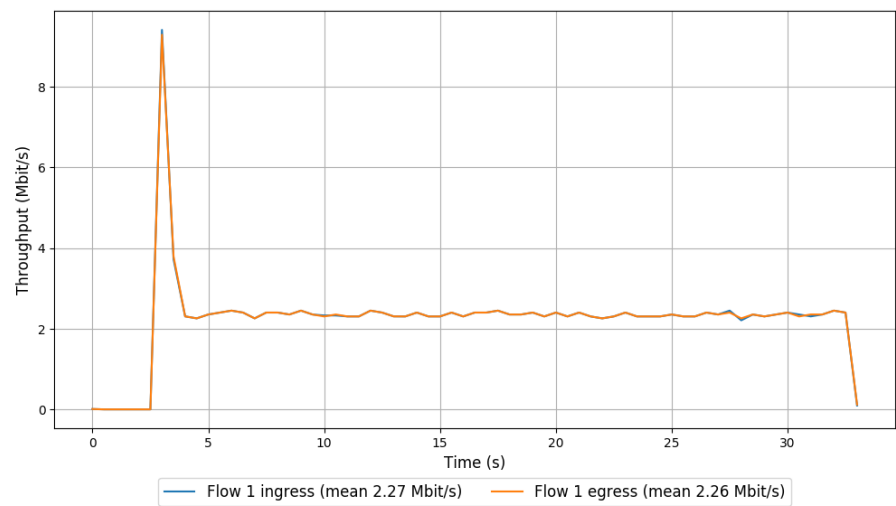
Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 17.261 ms

Loss rate: 0.02%



Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Fri, 16 Jun 2017 02:53:16 +0000

End at: Fri, 16 Jun 2017 02:53:46 +0000

Local clock offset: -0.352 ms

Remote clock offset: -0.52 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:22:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.18 Mbit/s

95th percentile per-packet one-way delay: 13.628 ms

Loss rate: 0.22%

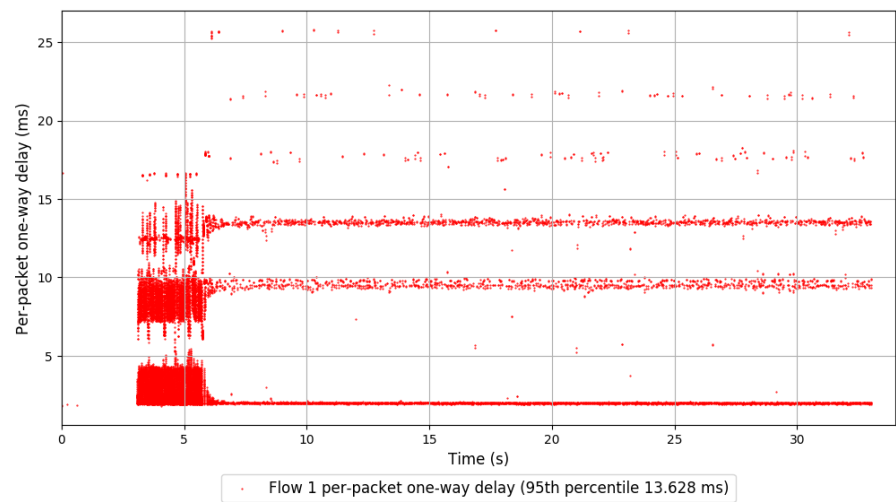
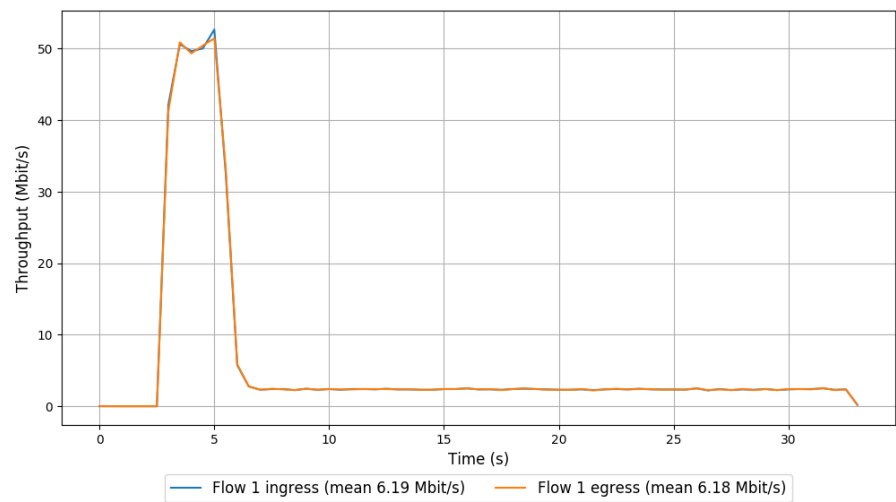
-- Flow 1:

Average throughput: 6.18 Mbit/s

95th percentile per-packet one-way delay: 13.628 ms

Loss rate: 0.22%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Fri, 16 Jun 2017 03:11:40 +0000

End at: Fri, 16 Jun 2017 03:12:10 +0000

Local clock offset: 0.282 ms

Remote clock offset: -1.75 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:22:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 41.61 Mbit/s

95th percentile per-packet one-way delay: 11.379 ms

Loss rate: 0.19%

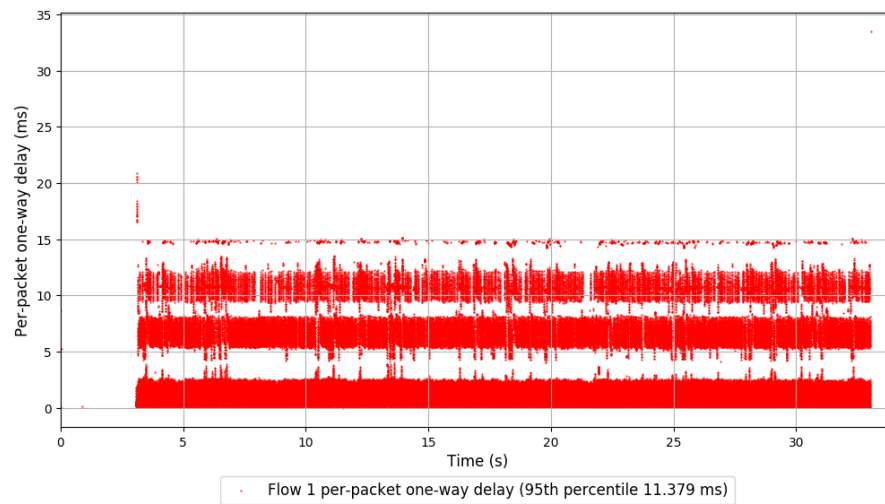
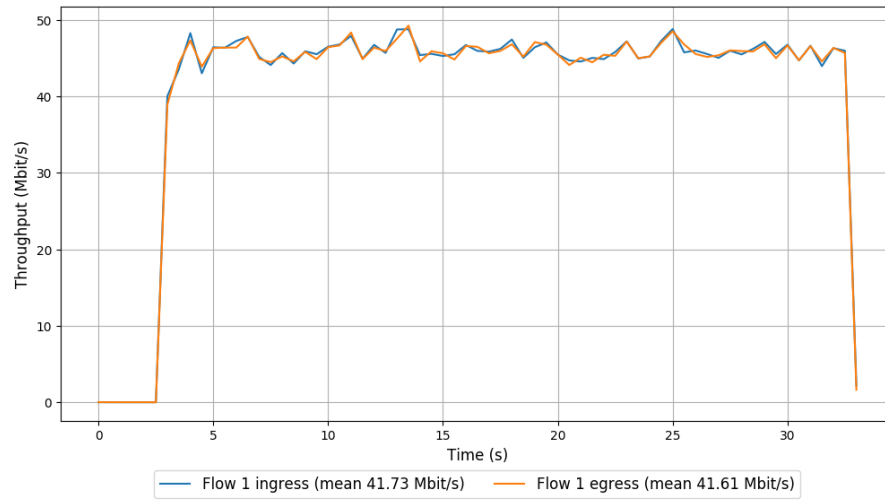
-- Flow 1:

Average throughput: 41.61 Mbit/s

95th percentile per-packet one-way delay: 11.379 ms

Loss rate: 0.19%

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



Run 5: Statistics of CalibratedKoho

Start at: Fri, 16 Jun 2017 03:30:10 +0000

End at: Fri, 16 Jun 2017 03:30:41 +0000

Local clock offset: -0.543 ms

Remote clock offset: -2.327 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:22:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.76 Mbit/s

95th percentile per-packet one-way delay: 12.644 ms

Loss rate: 0.40%

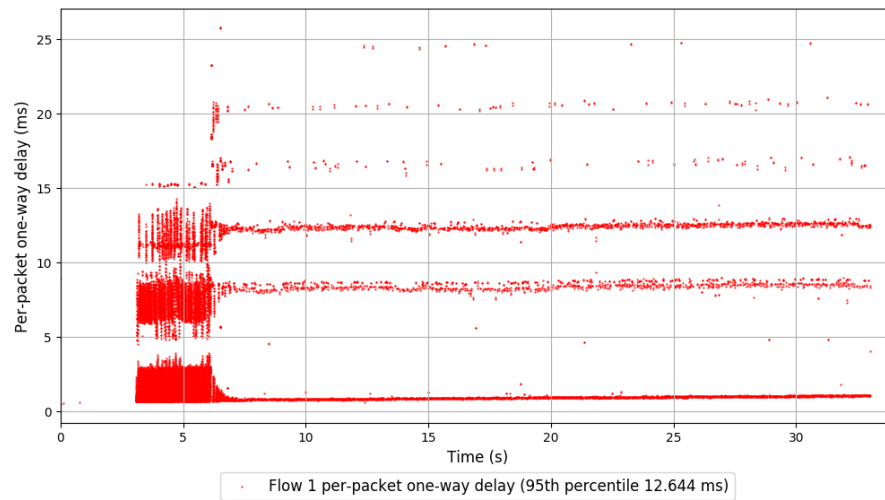
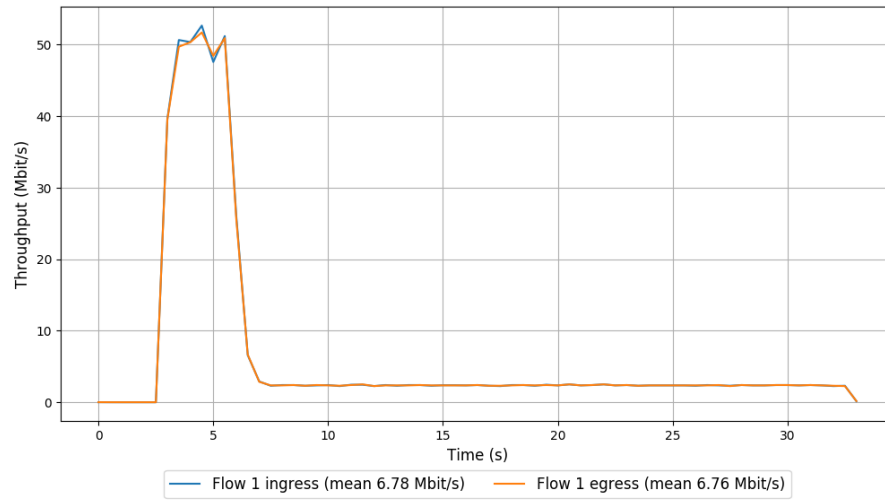
-- Flow 1:

Average throughput: 6.76 Mbit/s

95th percentile per-packet one-way delay: 12.644 ms

Loss rate: 0.40%

## Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Fri, 16 Jun 2017 03:48:41 +0000

End at: Fri, 16 Jun 2017 03:49:11 +0000

Local clock offset: -3.928 ms

Remote clock offset: -3.008 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:22:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.65 Mbit/s

95th percentile per-packet one-way delay: 14.929 ms

Loss rate: 0.03%

-- Flow 1:

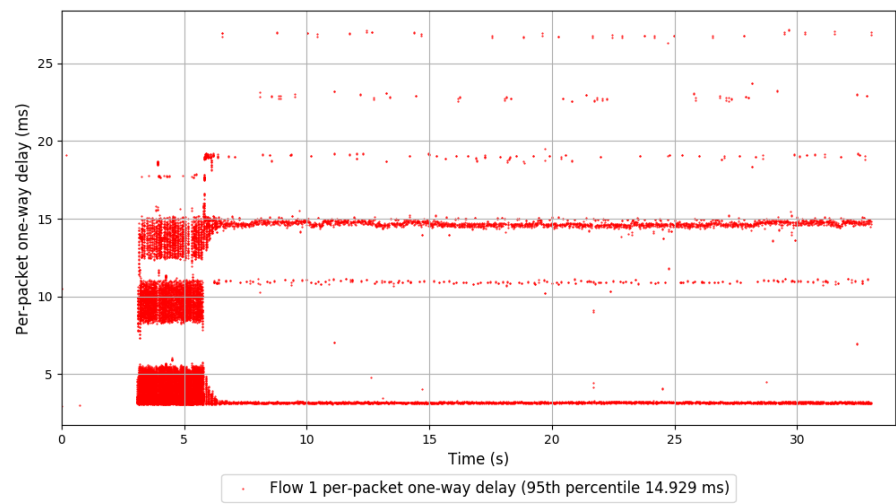
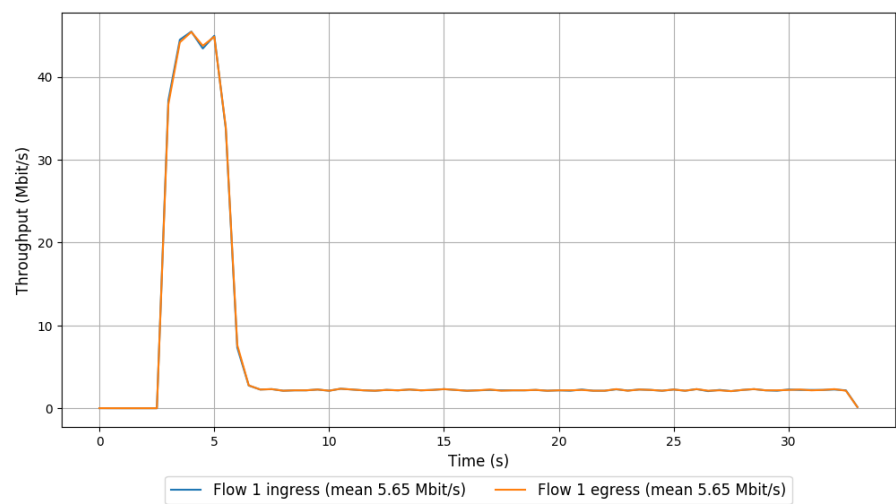
Average throughput: 5.65 Mbit/s

95th percentile per-packet one-way delay: 14.929 ms

Loss rate: 0.03%



Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Fri, 16 Jun 2017 04:07:05 +0000

End at: Fri, 16 Jun 2017 04:07:35 +0000

Local clock offset: -5.932 ms

Remote clock offset: -3.33 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:22:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 15.392 ms

Loss rate: 0.02%

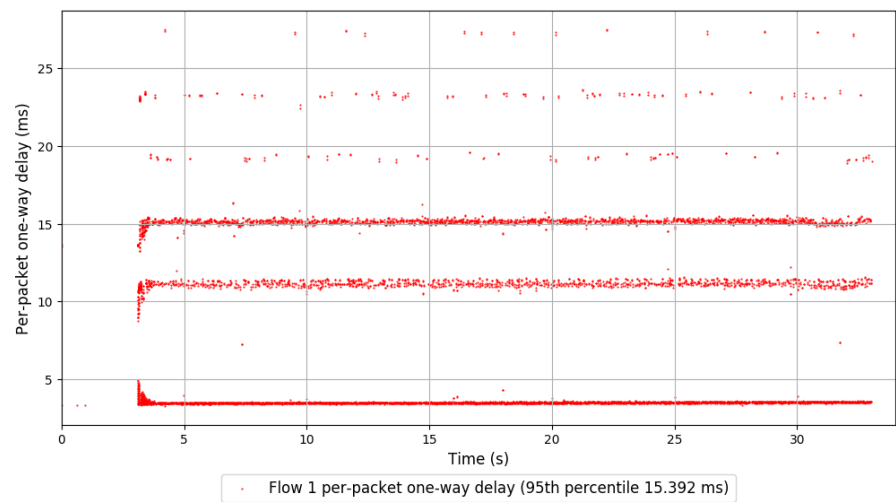
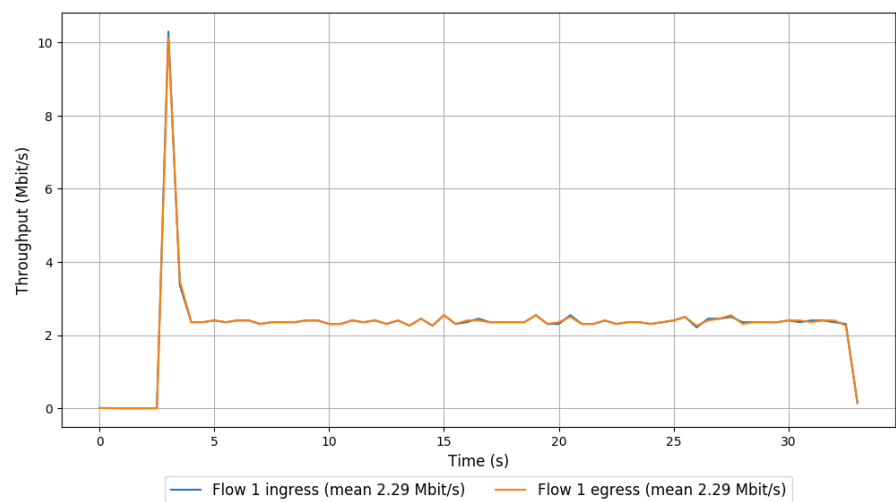
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 15.392 ms

Loss rate: 0.02%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Fri, 16 Jun 2017 04:25:18 +0000

End at: Fri, 16 Jun 2017 04:25:48 +0000

Local clock offset: -8.768 ms

Remote clock offset: -3.054 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:22:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 20.513 ms

Loss rate: 0.02%

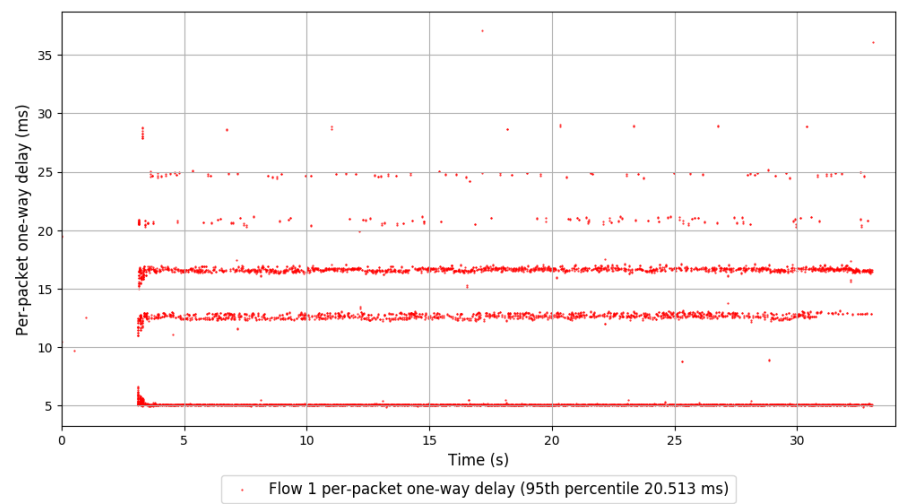
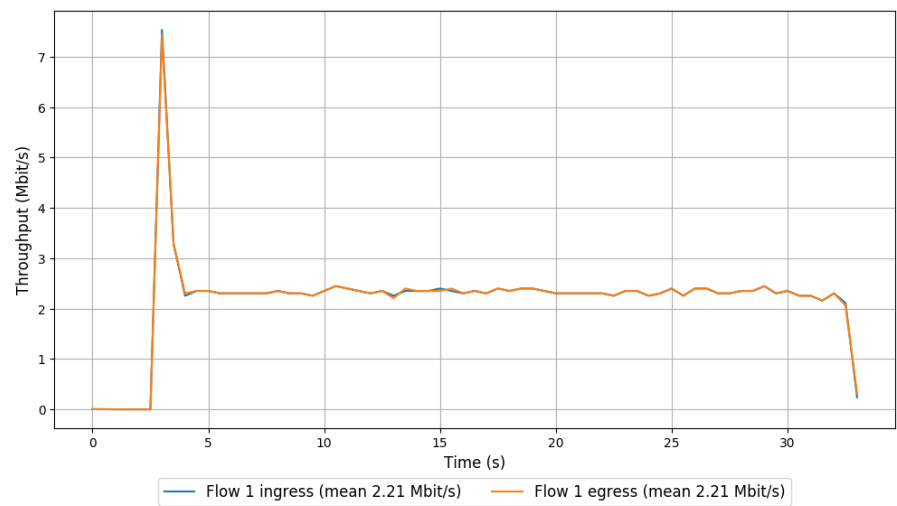
-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 20.513 ms

Loss rate: 0.02%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Fri, 16 Jun 2017 04:43:35 +0000

End at: Fri, 16 Jun 2017 04:44:05 +0000

Local clock offset: -5.686 ms

Remote clock offset: -2.92 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:22:27 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 18.845 ms

Loss rate: 0.02%

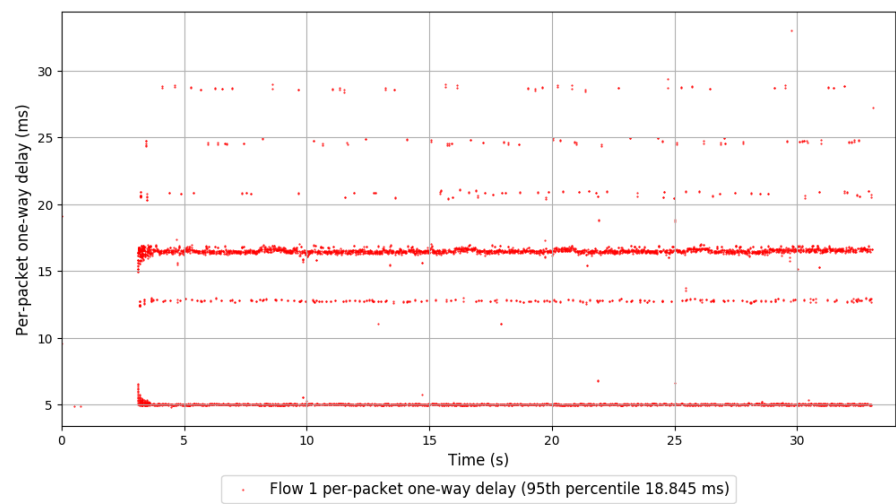
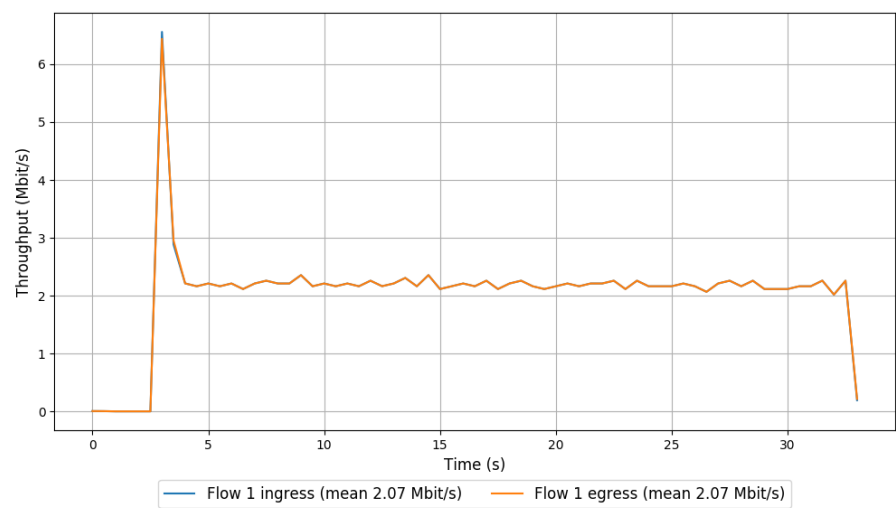
-- Flow 1:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 18.845 ms

Loss rate: 0.02%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Fri, 16 Jun 2017 05:02:05 +0000

End at: Fri, 16 Jun 2017 05:02:35 +0000

Local clock offset: -5.6 ms

Remote clock offset: -2.585 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:22:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 17.082 ms

Loss rate: 0.02%

-- Flow 1:

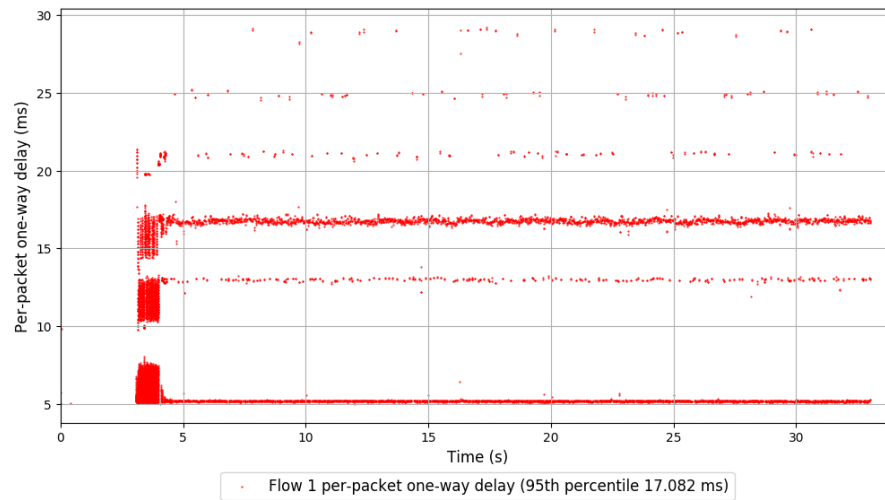
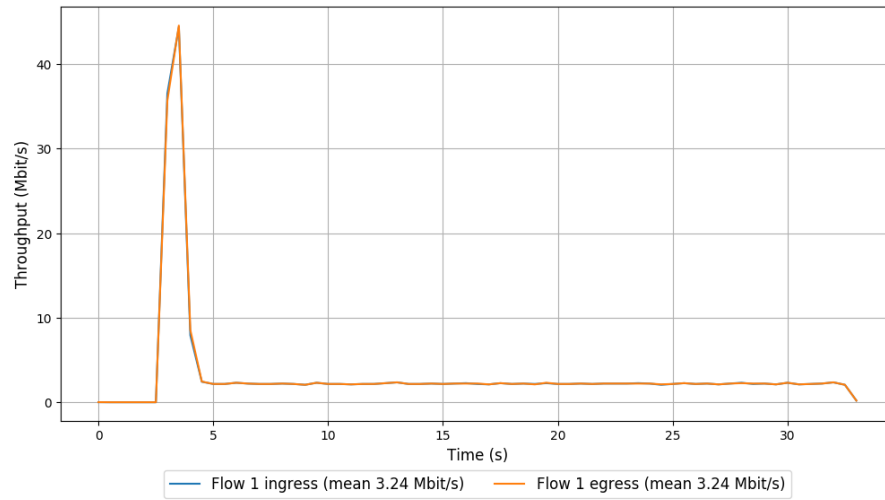
Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 17.082 ms

Loss rate: 0.02%



# Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Fri, 16 Jun 2017 02:12:45 +0000

End at: Fri, 16 Jun 2017 02:13:15 +0000

Local clock offset: -8.203 ms

Remote clock offset: 2.354 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:23:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.56 Mbit/s

95th percentile per-packet one-way delay: 19.983 ms

Loss rate: 0.02%

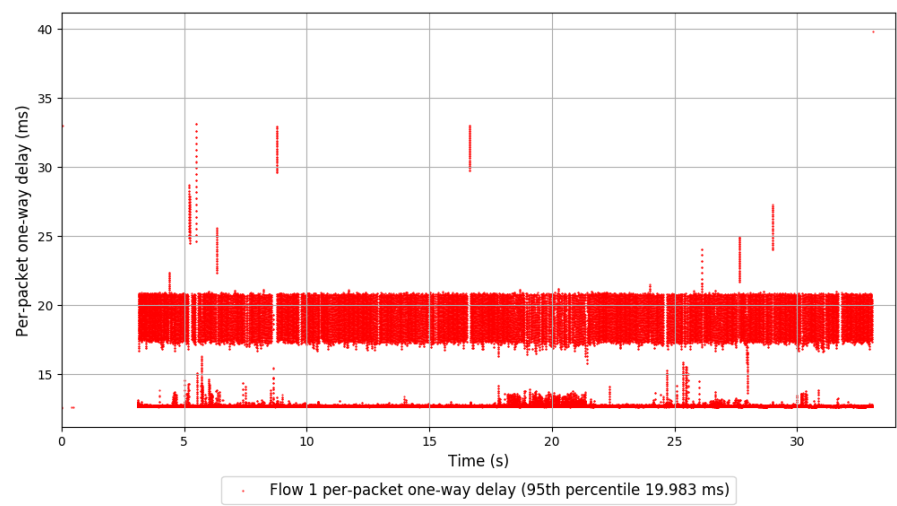
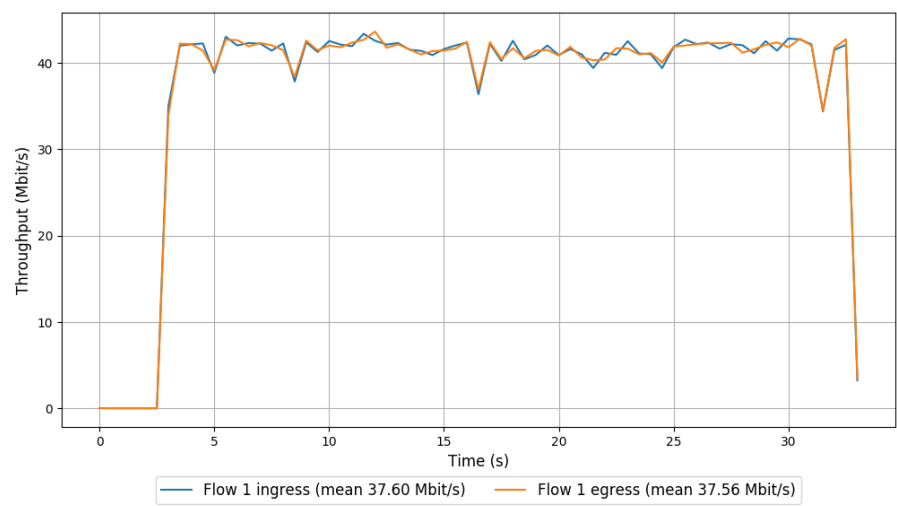
-- Flow 1:

Average throughput: 37.56 Mbit/s

95th percentile per-packet one-way delay: 19.983 ms

Loss rate: 0.02%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Fri, 16 Jun 2017 02:31:26 +0000

End at: Fri, 16 Jun 2017 02:31:56 +0000

Local clock offset: -2.874 ms

Remote clock offset: 0.964 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:23:05 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.97 Mbit/s

95th percentile per-packet one-way delay: 13.505 ms

Loss rate: 0.02%

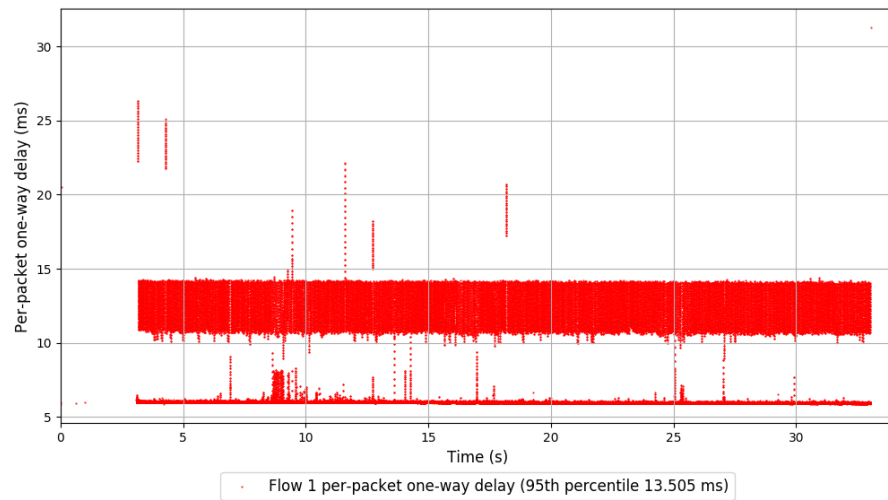
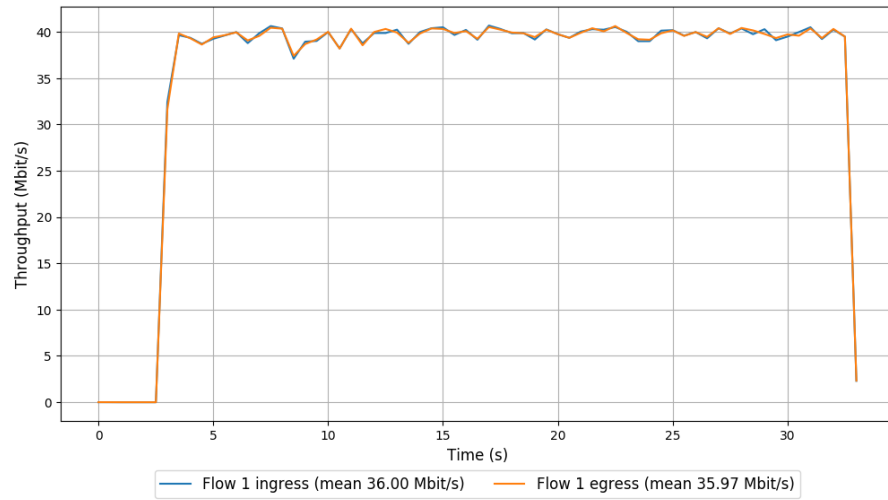
-- Flow 1:

Average throughput: 35.97 Mbit/s

95th percentile per-packet one-way delay: 13.505 ms

Loss rate: 0.02%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Fri, 16 Jun 2017 02:49:38 +0000

End at: Fri, 16 Jun 2017 02:50:08 +0000

Local clock offset: -0.778 ms

Remote clock offset: -0.28 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:23:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.28 Mbit/s

95th percentile per-packet one-way delay: 10.111 ms

Loss rate: 0.02%

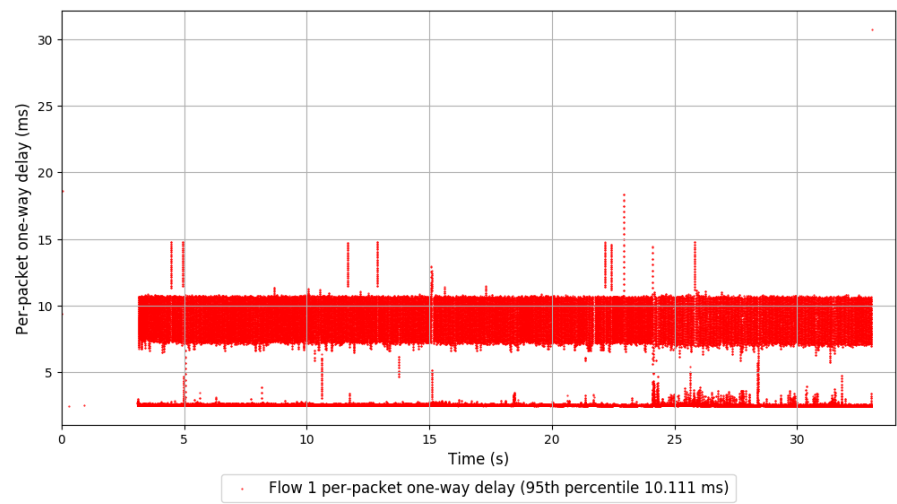
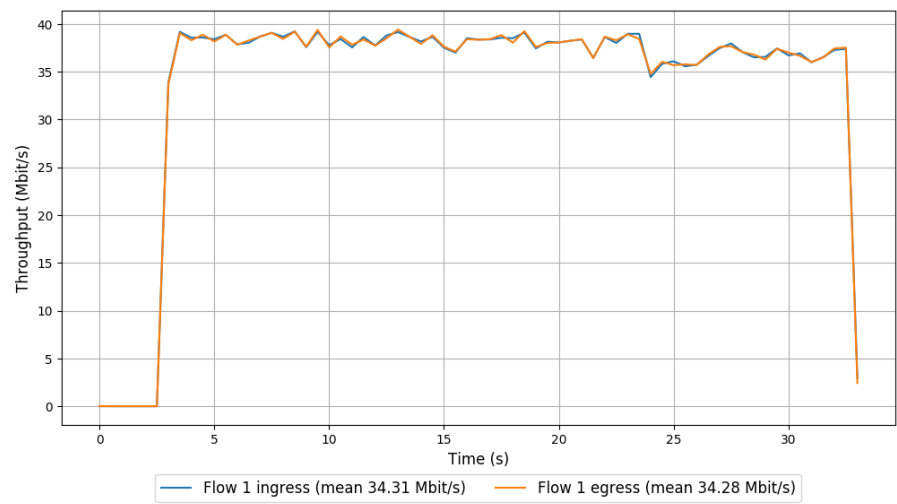
-- Flow 1:

Average throughput: 34.28 Mbit/s

95th percentile per-packet one-way delay: 10.111 ms

Loss rate: 0.02%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Fri, 16 Jun 2017 03:08:04 +0000

End at: Fri, 16 Jun 2017 03:08:34 +0000

Local clock offset: 0.035 ms

Remote clock offset: -1.464 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:23:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.14 Mbit/s

95th percentile per-packet one-way delay: 8.153 ms

Loss rate: 0.04%

-- Flow 1:

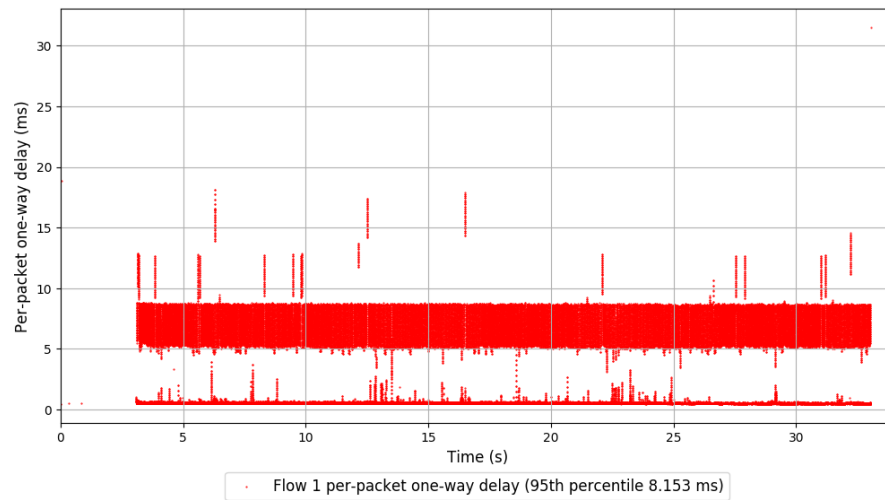
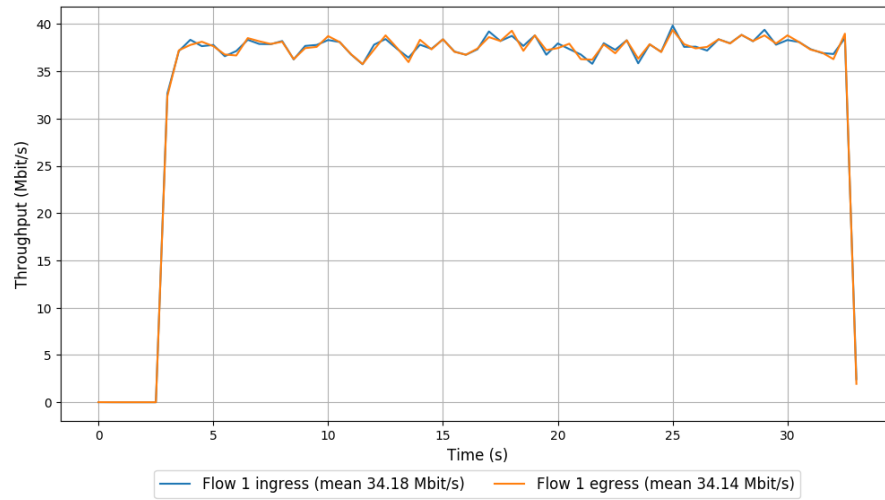
Average throughput: 34.14 Mbit/s

95th percentile per-packet one-way delay: 8.153 ms

Loss rate: 0.04%



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



Run 5: Statistics of Copa

Start at: Fri, 16 Jun 2017 03:26:46 +0000

End at: Fri, 16 Jun 2017 03:27:16 +0000

Local clock offset: 1.108 ms

Remote clock offset: -2.262 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:23:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.47 Mbit/s

95th percentile per-packet one-way delay: 10.357 ms

Loss rate: 0.00%

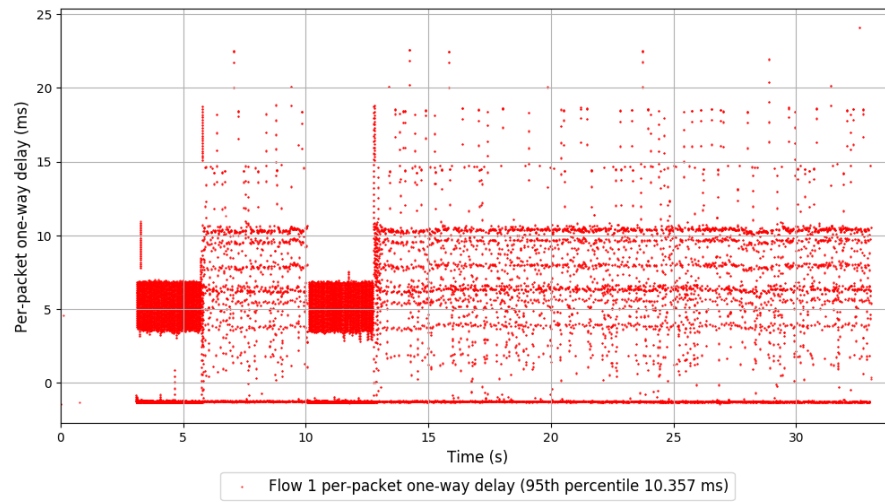
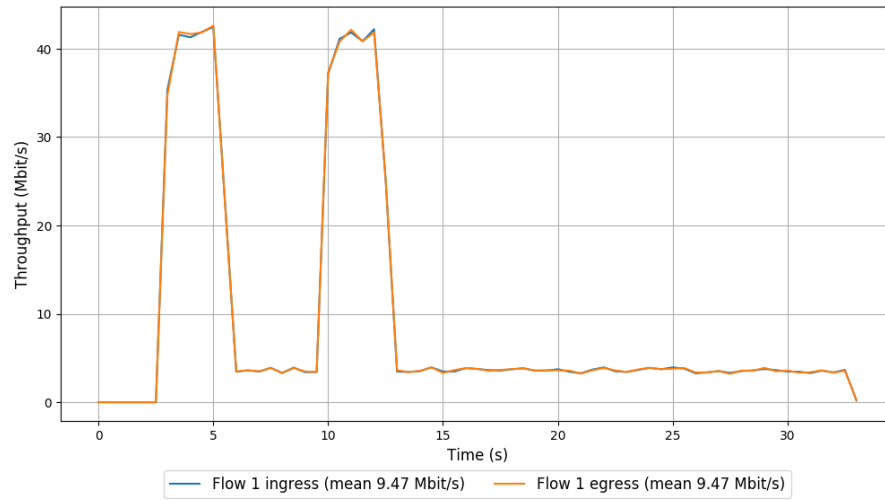
-- Flow 1:

Average throughput: 9.47 Mbit/s

95th percentile per-packet one-way delay: 10.357 ms

Loss rate: 0.00%

### Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Fri, 16 Jun 2017 03:45:02 +0000

End at: Fri, 16 Jun 2017 03:45:32 +0000

Local clock offset: -3.913 ms

Remote clock offset: -2.813 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:24:14 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.34 Mbit/s

95th percentile per-packet one-way delay: 10.731 ms

Loss rate: 0.02%

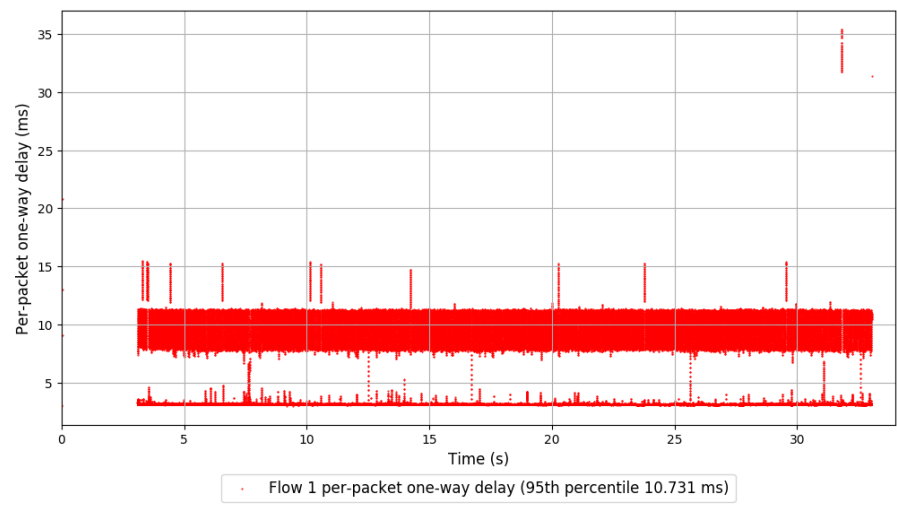
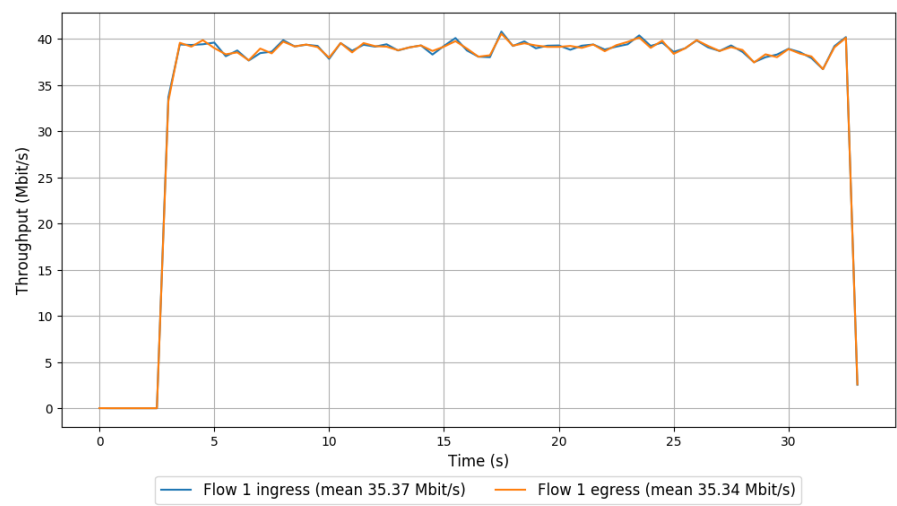
-- Flow 1:

Average throughput: 35.34 Mbit/s

95th percentile per-packet one-way delay: 10.731 ms

Loss rate: 0.02%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Fri, 16 Jun 2017 04:03:35 +0000

End at: Fri, 16 Jun 2017 04:04:05 +0000

Local clock offset: -3.991 ms

Remote clock offset: -3.325 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:24:14 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 14.624 ms

Loss rate: 0.01%

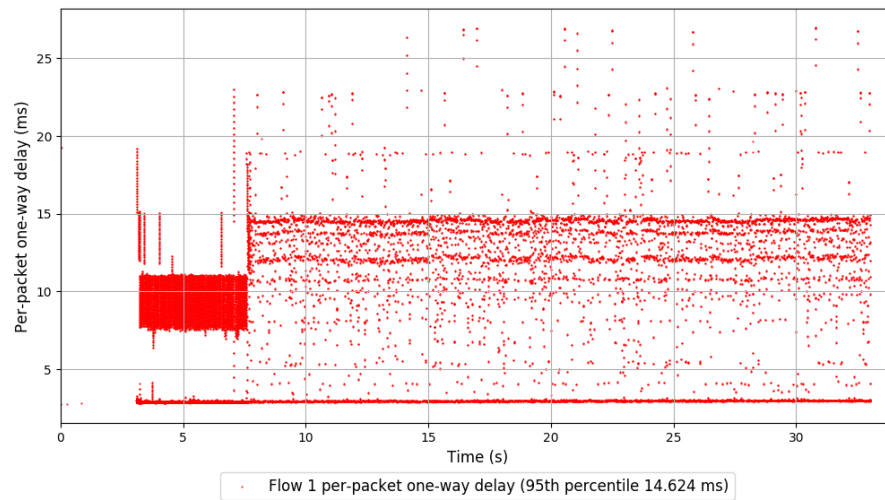
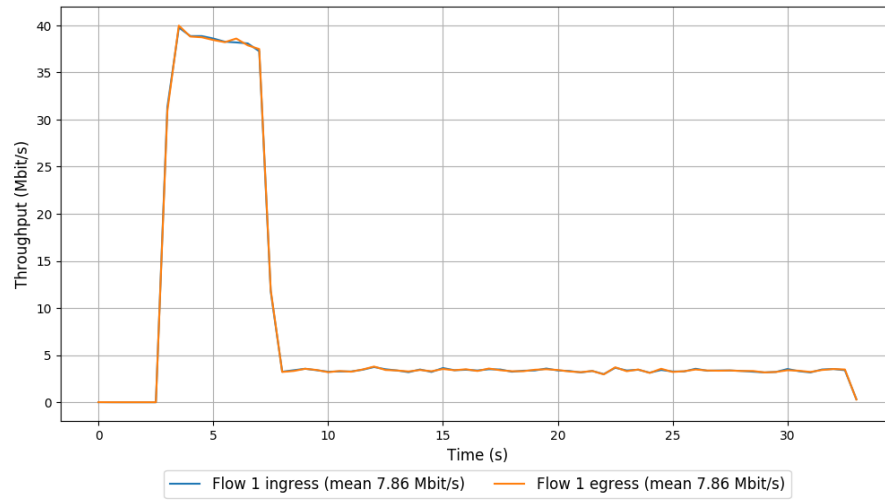
-- Flow 1:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 14.624 ms

Loss rate: 0.01%

## Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Fri, 16 Jun 2017 04:21:56 +0000

End at: Fri, 16 Jun 2017 04:22:26 +0000

Local clock offset: -8.151 ms

Remote clock offset: -3.075 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:24:14 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 20.173 ms

Loss rate: 0.05%

-- Flow 1:

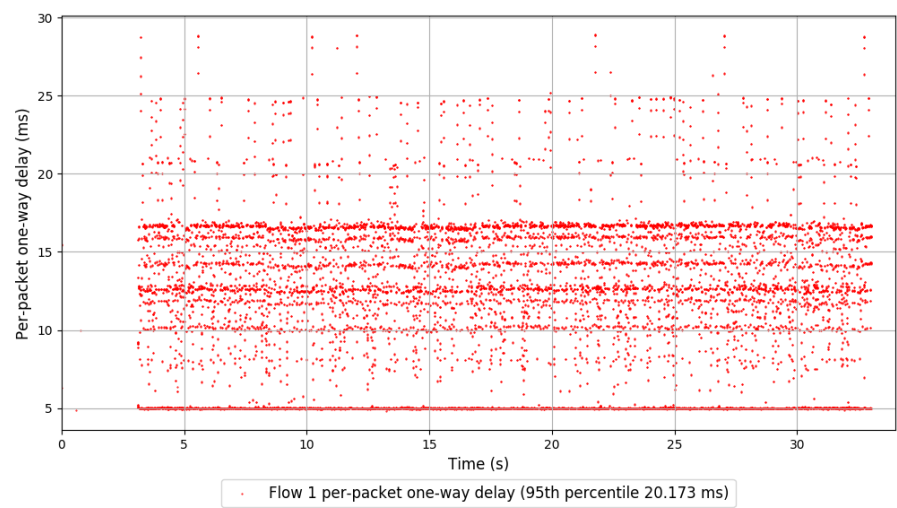
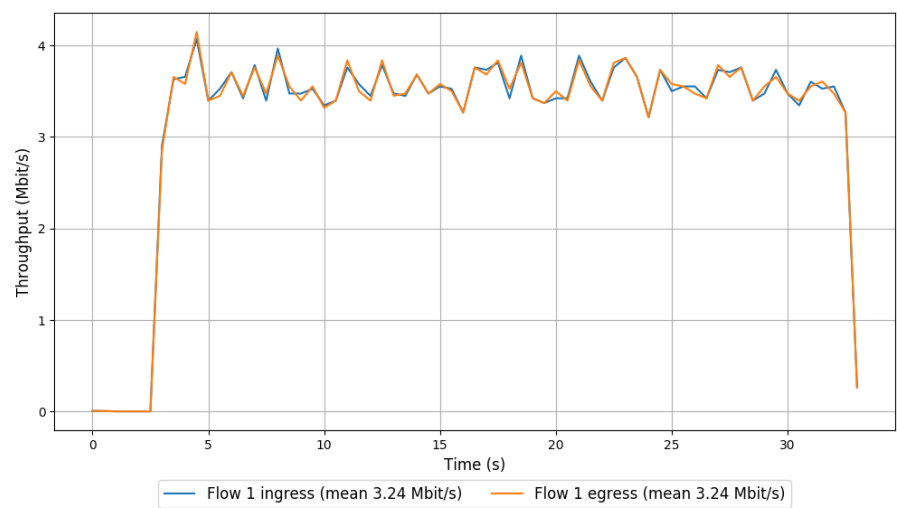
Average throughput: 3.24 Mbit/s

95th percentile per-packet one-way delay: 20.173 ms

Loss rate: 0.05%



Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Fri, 16 Jun 2017 04:39:56 +0000

End at: Fri, 16 Jun 2017 04:40:26 +0000

Local clock offset: -5.791 ms

Remote clock offset: -2.926 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:24:41 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.06 Mbit/s

95th percentile per-packet one-way delay: 12.492 ms

Loss rate: 0.02%

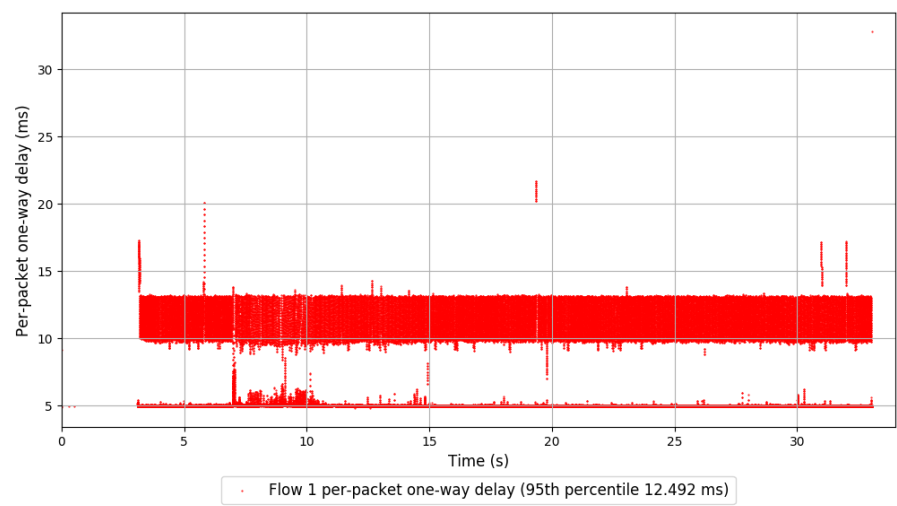
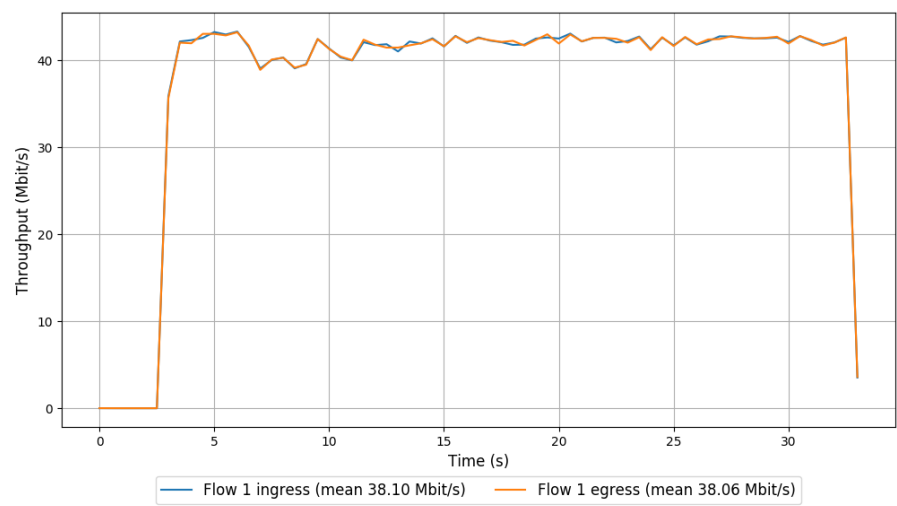
-- Flow 1:

Average throughput: 38.06 Mbit/s

95th percentile per-packet one-way delay: 12.492 ms

Loss rate: 0.02%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Fri, 16 Jun 2017 04:58:27 +0000

End at: Fri, 16 Jun 2017 04:58:57 +0000

Local clock offset: -5.799 ms

Remote clock offset: -2.707 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:24:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 33.46 Mbit/s

95th percentile per-packet one-way delay: 12.848 ms

Loss rate: 0.02%

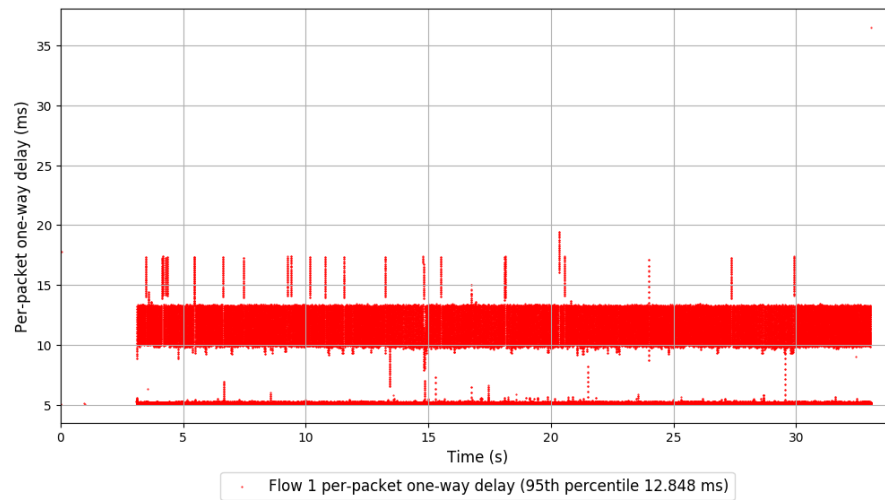
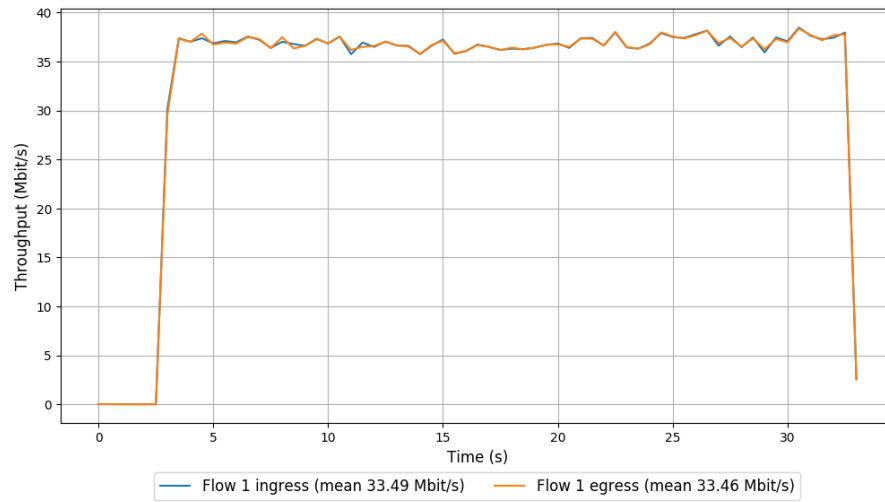
-- Flow 1:

Average throughput: 33.46 Mbit/s

95th percentile per-packet one-way delay: 12.848 ms

Loss rate: 0.02%

## Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 02:20:03 +0000

End at: Fri, 16 Jun 2017 02:20:33 +0000

Local clock offset: -8.139 ms

Remote clock offset: 1.942 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:25:08 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.60 Mbit/s

95th percentile per-packet one-way delay: 22.271 ms

Loss rate: 0.21%

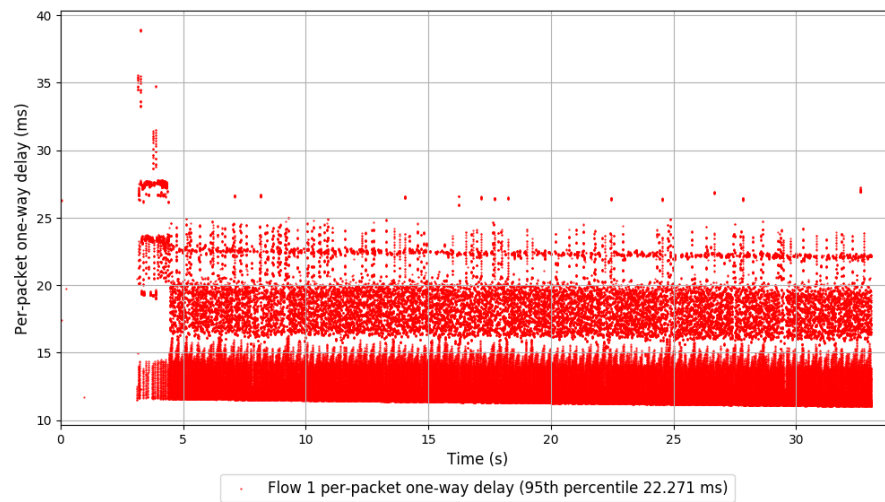
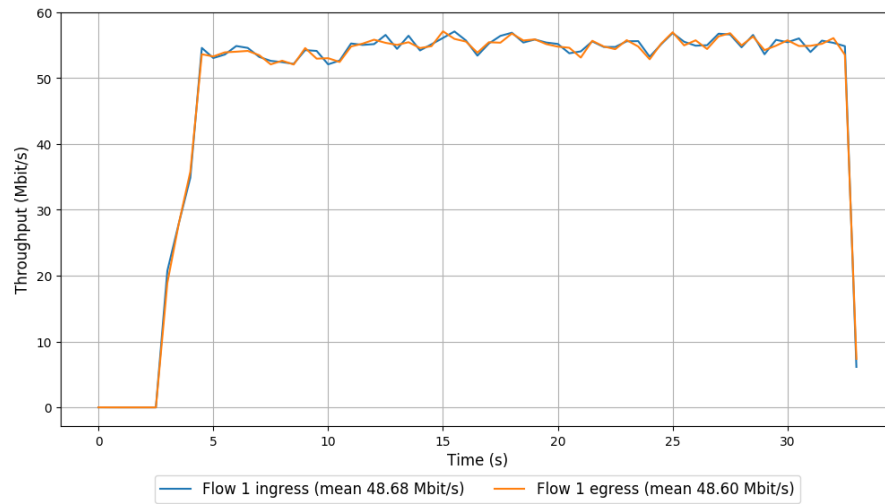
-- Flow 1:

Average throughput: 48.60 Mbit/s

95th percentile per-packet one-way delay: 22.271 ms

Loss rate: 0.21%

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



Run 2: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 02:38:24 +0000

End at: Fri, 16 Jun 2017 02:38:55 +0000

Local clock offset: -2.042 ms

Remote clock offset: 0.484 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:25:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.11 Mbit/s

95th percentile per-packet one-way delay: 20.454 ms

Loss rate: 0.20%

-- Flow 1:

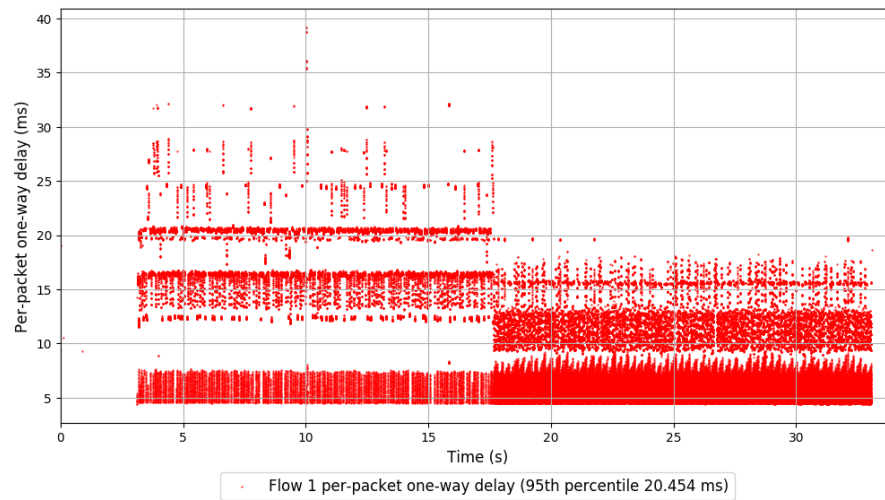
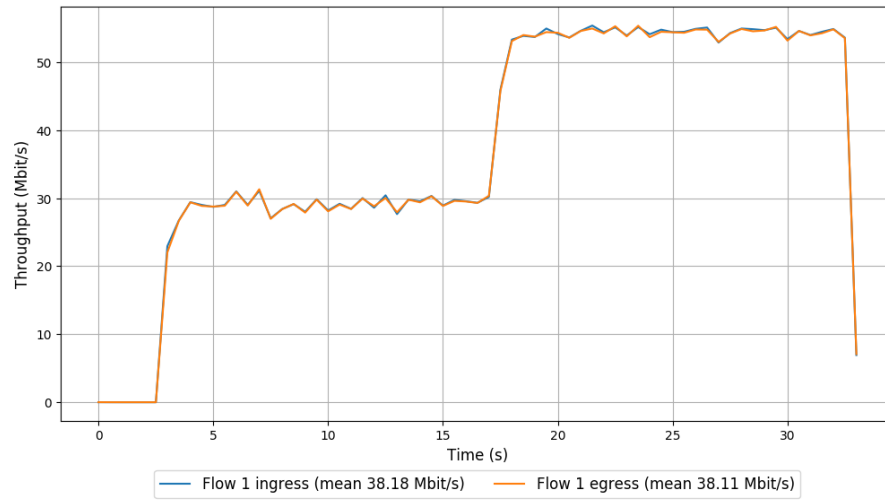
Average throughput: 38.11 Mbit/s

95th percentile per-packet one-way delay: 20.454 ms

Loss rate: 0.20%



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



Run 3: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 02:56:40 +0000

End at: Fri, 16 Jun 2017 02:57:10 +0000

Local clock offset: -0.458 ms

Remote clock offset: -0.798 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:25:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.26 Mbit/s

95th percentile per-packet one-way delay: 10.508 ms

Loss rate: 0.21%

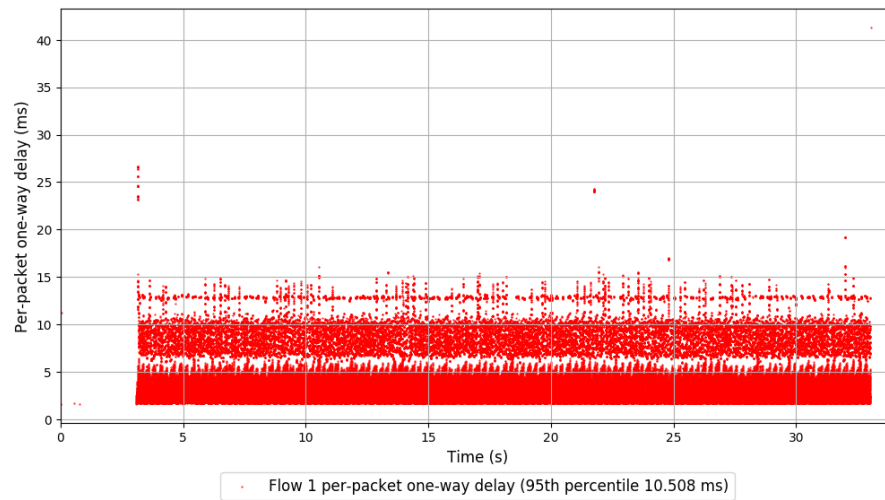
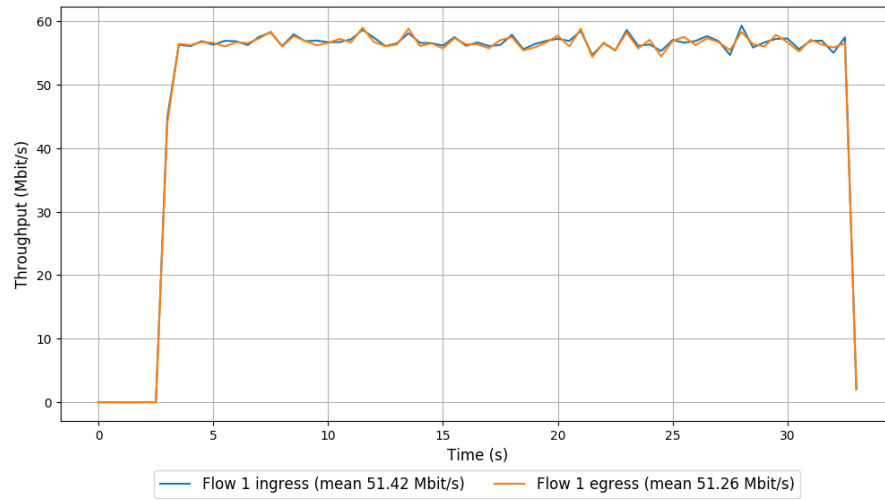
-- Flow 1:

Average throughput: 51.26 Mbit/s

95th percentile per-packet one-way delay: 10.508 ms

Loss rate: 0.21%

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



Run 4: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 03:15:23 +0000

End at: Fri, 16 Jun 2017 03:15:53 +0000

Local clock offset: 0.49 ms

Remote clock offset: -1.957 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:25:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.80 Mbit/s

95th percentile per-packet one-way delay: 8.306 ms

Loss rate: 0.21%

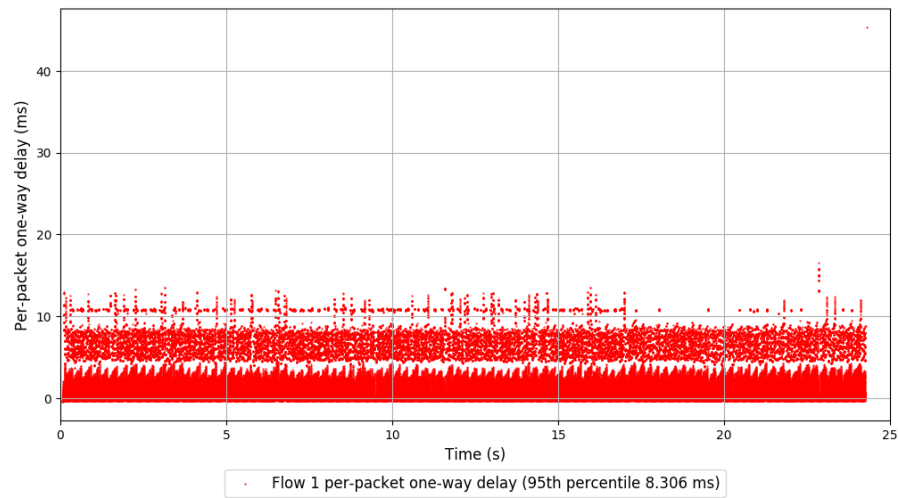
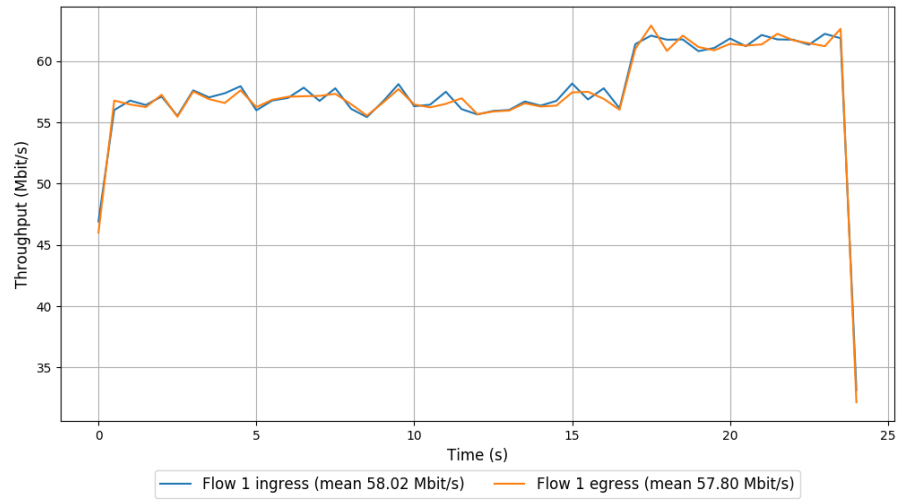
-- Flow 1:

Average throughput: 57.80 Mbit/s

95th percentile per-packet one-way delay: 8.306 ms

Loss rate: 0.21%

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



Run 5: Statistics of TCP Cubic

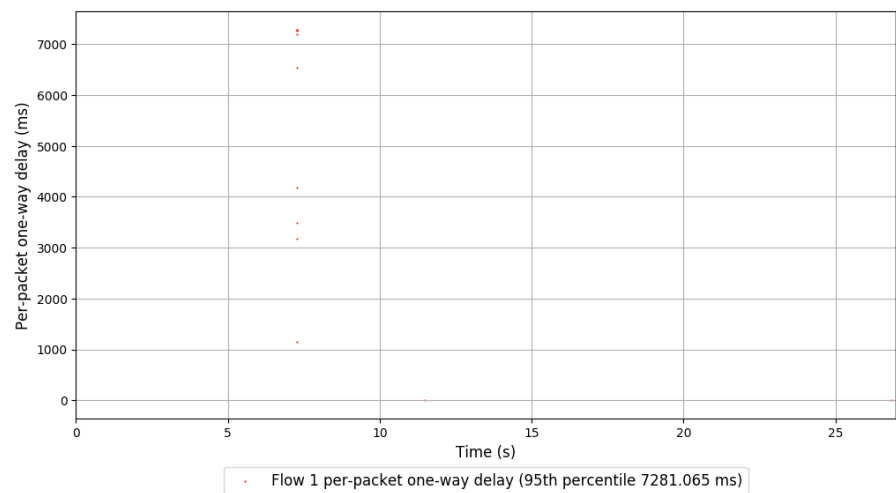
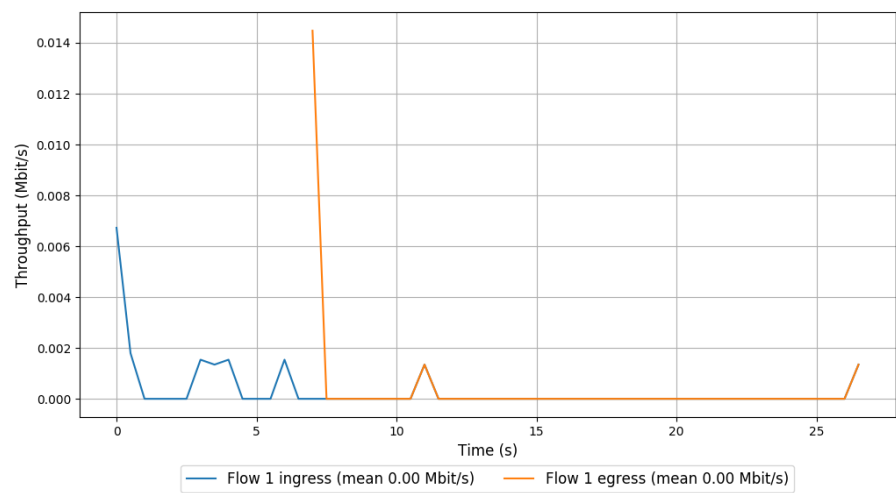
Start at: Fri, 16 Jun 2017 03:33:34 +0000

End at: Fri, 16 Jun 2017 03:34:04 +0000

Local clock offset: -2.717 ms

Remote clock offset: -2.458 ms

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 03:52:10 +0000

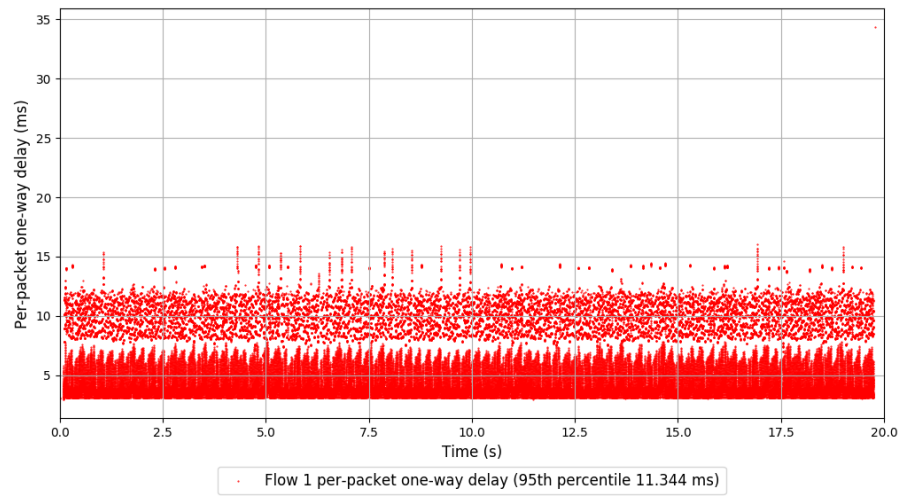
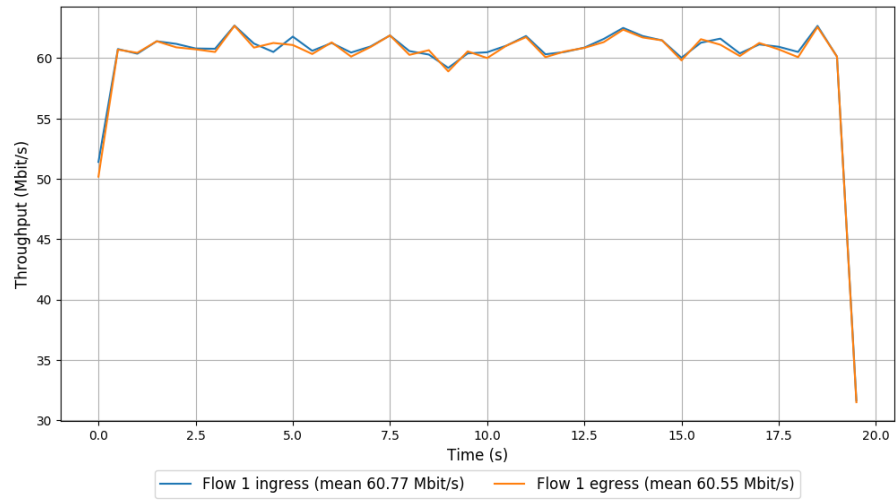
End at: Fri, 16 Jun 2017 03:52:40 +0000

Local clock offset: -4.015 ms

Remote clock offset: -3.061 ms



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



Run 7: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 04:10:27 +0000

End at: Fri, 16 Jun 2017 04:10:57 +0000

Local clock offset: -4.939 ms

Remote clock offset: -3.322 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:26:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 14.902 ms

Loss rate: 0.20%

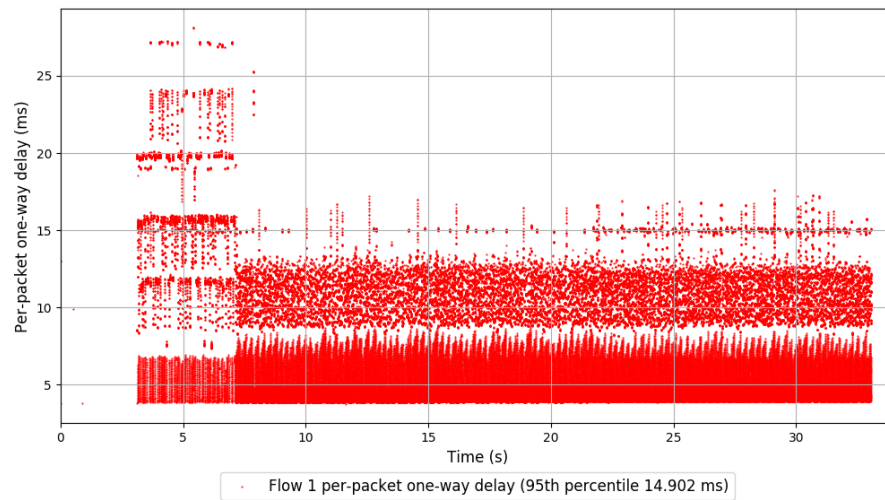
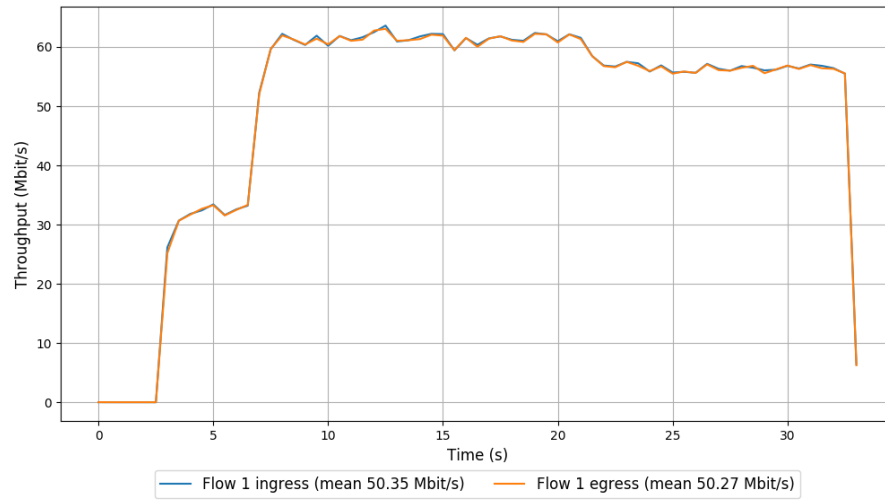
-- Flow 1:

Average throughput: 50.27 Mbit/s

95th percentile per-packet one-way delay: 14.902 ms

Loss rate: 0.20%

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



Run 8: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 04:28:46 +0000

End at: Fri, 16 Jun 2017 04:29:16 +0000

Local clock offset: -5.933 ms

Remote clock offset: -3.106 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:26:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.07 Mbit/s

95th percentile per-packet one-way delay: 13.776 ms

Loss rate: 0.20%

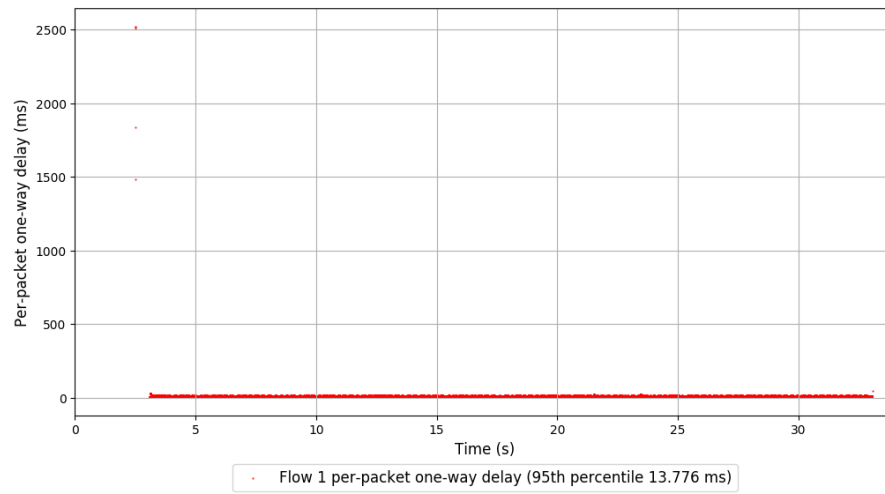
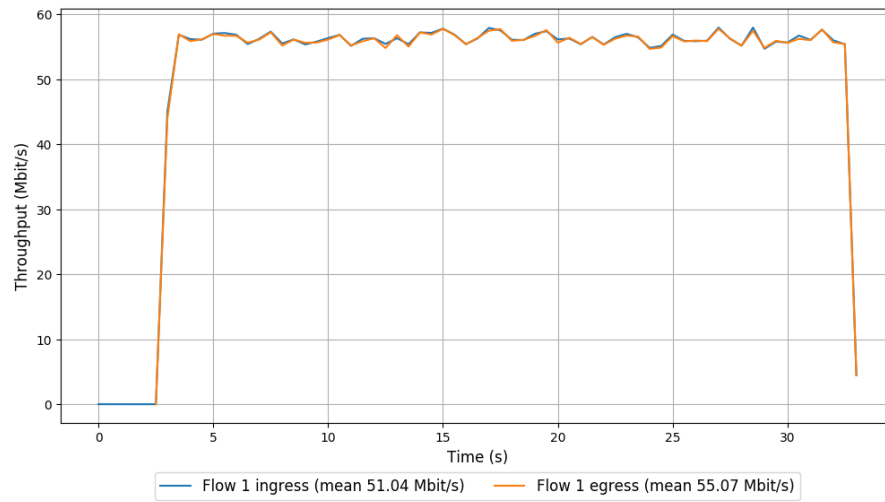
-- Flow 1:

Average throughput: 55.07 Mbit/s

95th percentile per-packet one-way delay: 13.776 ms

Loss rate: 0.20%

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



Run 9: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 04:47:03 +0000

End at: Fri, 16 Jun 2017 04:47:33 +0000

Local clock offset: -5.754 ms

Remote clock offset: -2.946 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:26:36 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.19 Mbit/s

95th percentile per-packet one-way delay: 15.892 ms

Loss rate: 0.20%

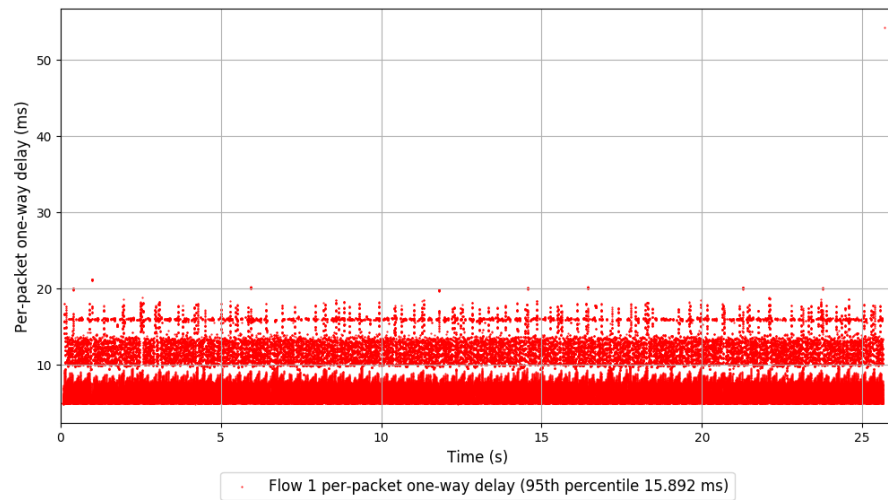
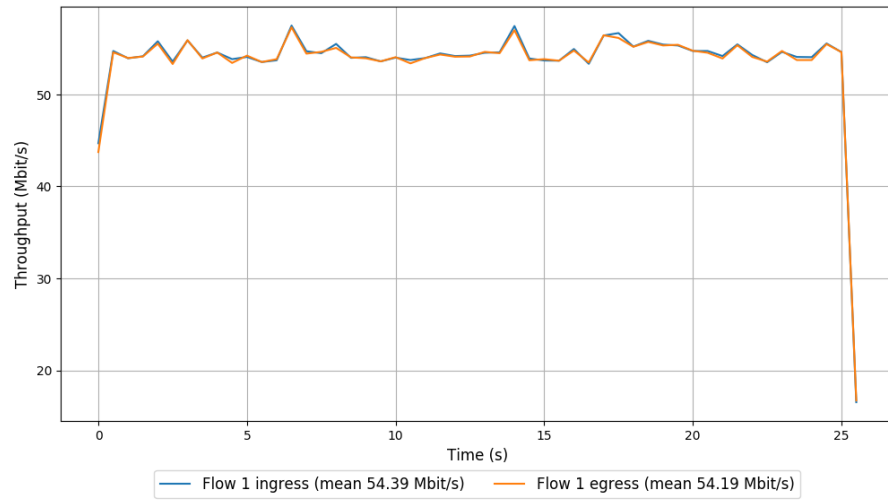
-- Flow 1:

Average throughput: 54.19 Mbit/s

95th percentile per-packet one-way delay: 15.892 ms

Loss rate: 0.20%

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



Run 10: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 05:05:28 +0000

End at: Fri, 16 Jun 2017 05:05:58 +0000

Local clock offset: -5.459 ms

Remote clock offset: -2.575 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:27:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.96 Mbit/s

95th percentile per-packet one-way delay: 13.448 ms

Loss rate: 0.21%

-- Flow 1:

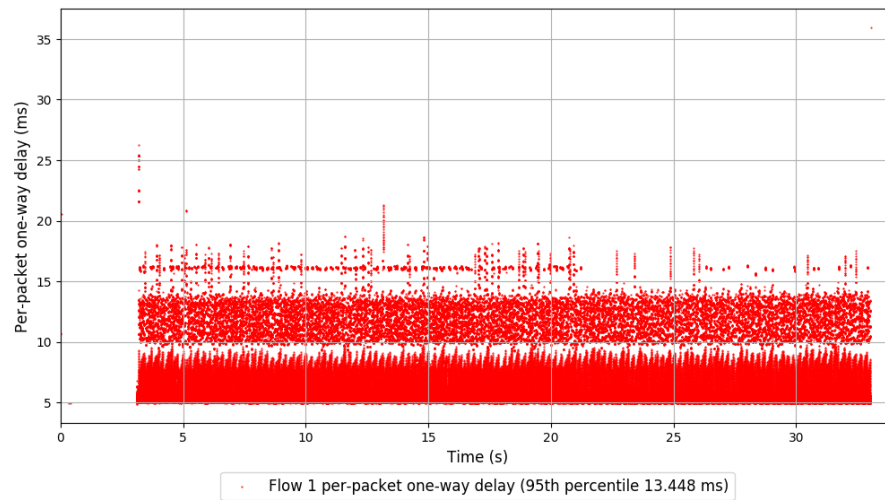
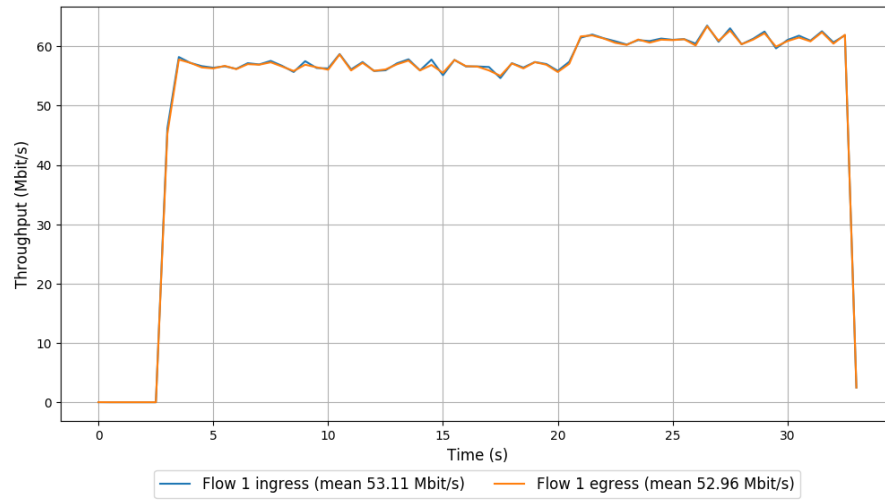
Average throughput: 52.96 Mbit/s

95th percentile per-packet one-way delay: 13.448 ms

Loss rate: 0.21%



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



Run 1: Statistics of KohoCC

Start at: Fri, 16 Jun 2017 02:10:31 +0000

End at: Fri, 16 Jun 2017 02:11:01 +0000

Local clock offset: -8.124 ms

Remote clock offset: 2.47 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:27:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 12.840 ms

Loss rate: 0.01%

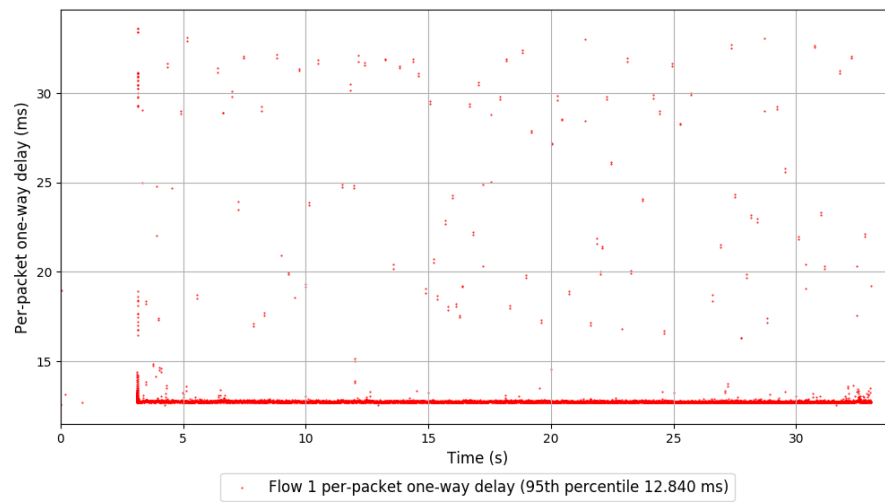
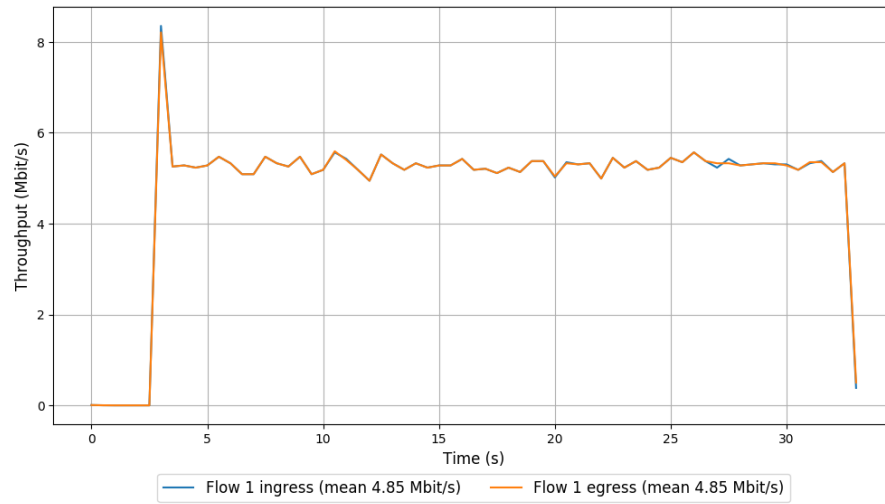
-- Flow 1:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 12.840 ms

Loss rate: 0.01%

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



Run 2: Statistics of KohoCC

Start at: Fri, 16 Jun 2017 02:29:12 +0000

End at: Fri, 16 Jun 2017 02:29:42 +0000

Local clock offset: -3.258 ms

Remote clock offset: 1.184 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:27:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.01 Mbit/s

95th percentile per-packet one-way delay: 6.564 ms

Loss rate: 0.01%

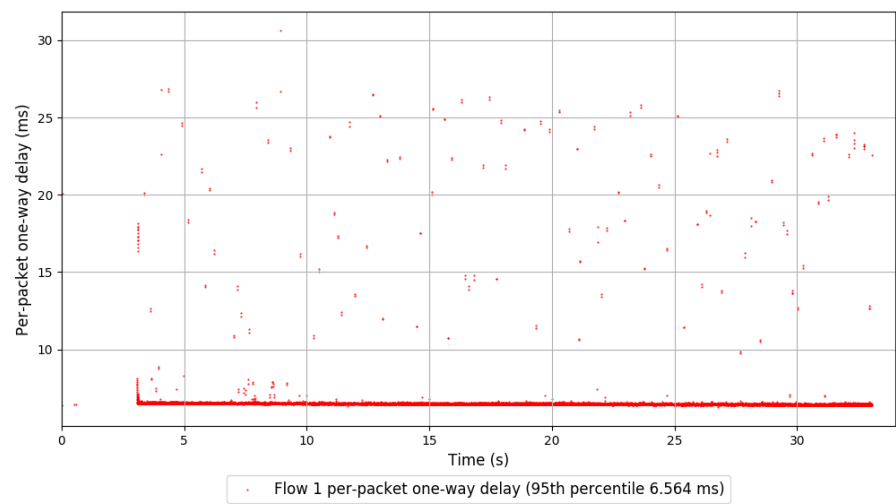
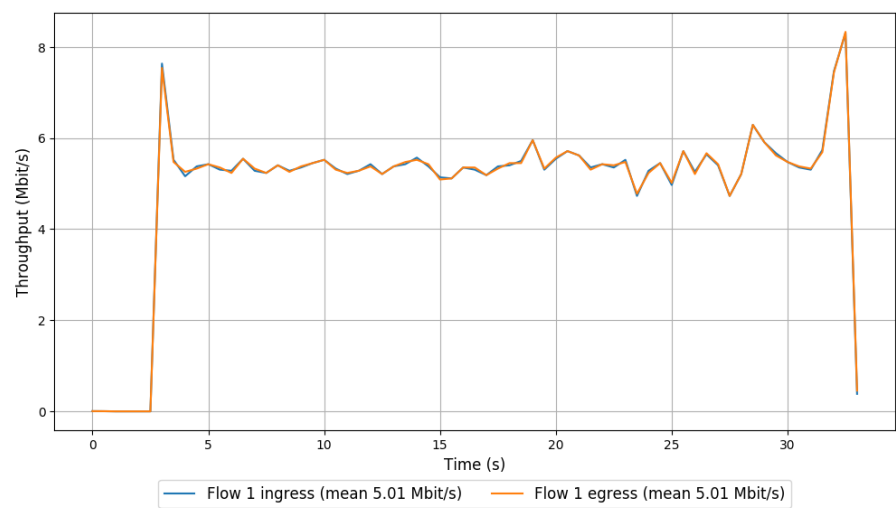
-- Flow 1:

Average throughput: 5.01 Mbit/s

95th percentile per-packet one-way delay: 6.564 ms

Loss rate: 0.01%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Fri, 16 Jun 2017 02:47:24 +0000

End at: Fri, 16 Jun 2017 02:47:54 +0000

Local clock offset: -0.988 ms

Remote clock offset: -0.166 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:27:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.93 Mbit/s

95th percentile per-packet one-way delay: 3.035 ms

Loss rate: 0.01%

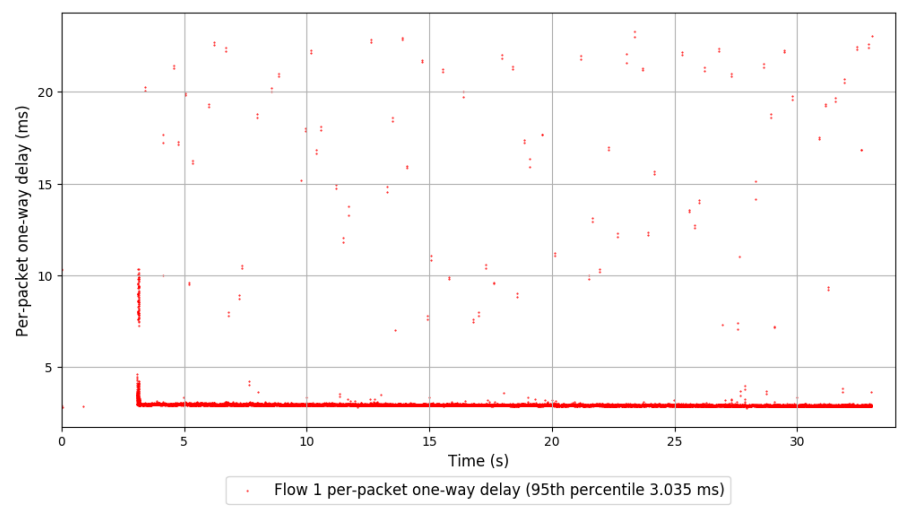
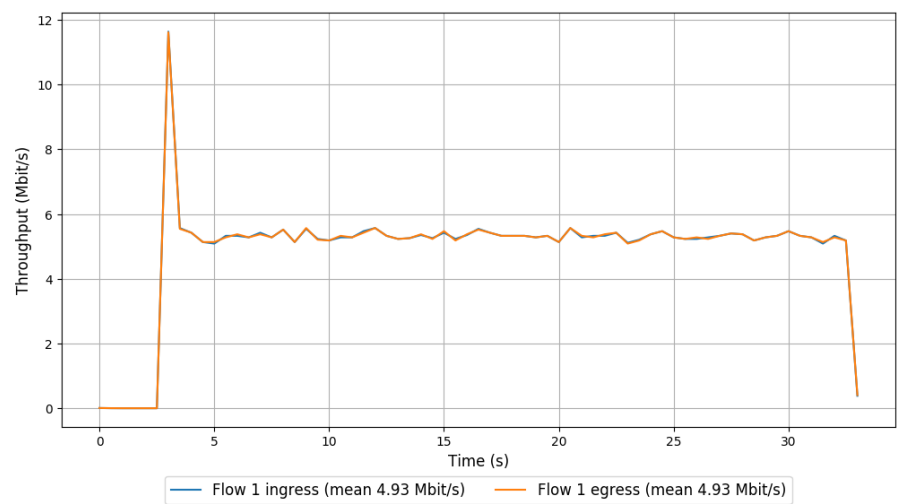
-- Flow 1:

Average throughput: 4.93 Mbit/s

95th percentile per-packet one-way delay: 3.035 ms

Loss rate: 0.01%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Fri, 16 Jun 2017 03:05:51 +0000

End at: Fri, 16 Jun 2017 03:06:21 +0000

Local clock offset: -0.178 ms

Remote clock offset: -1.331 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:27:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 12.924 ms

Loss rate: 0.02%

-- Flow 1:

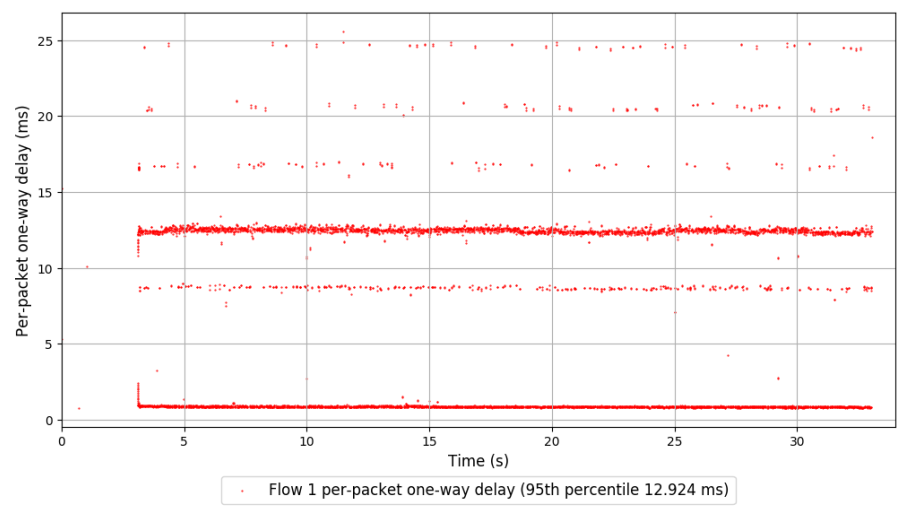
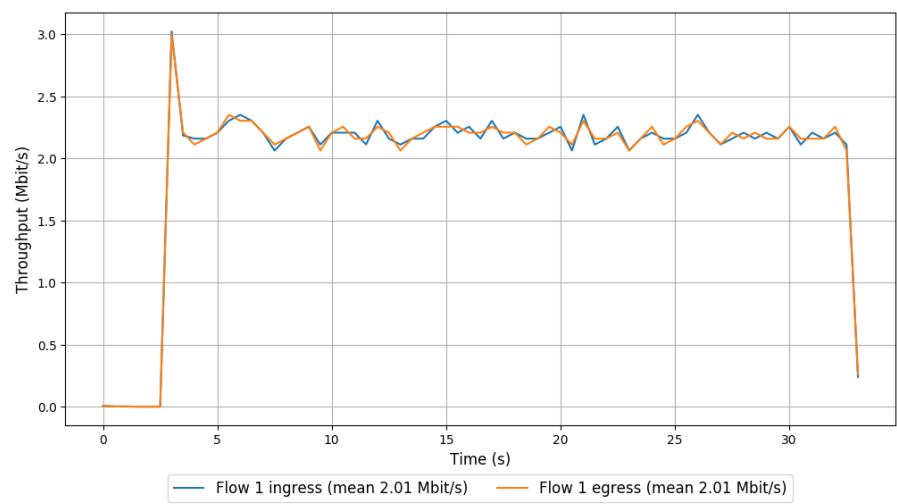
Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 12.924 ms

Loss rate: 0.02%



Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Fri, 16 Jun 2017 03:24:32 +0000

End at: Fri, 16 Jun 2017 03:25:02 +0000

Local clock offset: 0.968 ms

Remote clock offset: -2.165 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:27:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: -0.965 ms

Loss rate: 0.01%

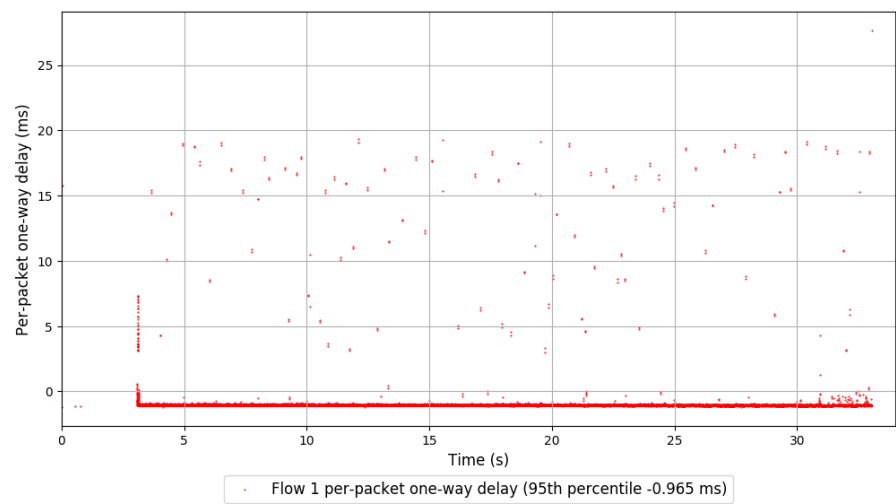
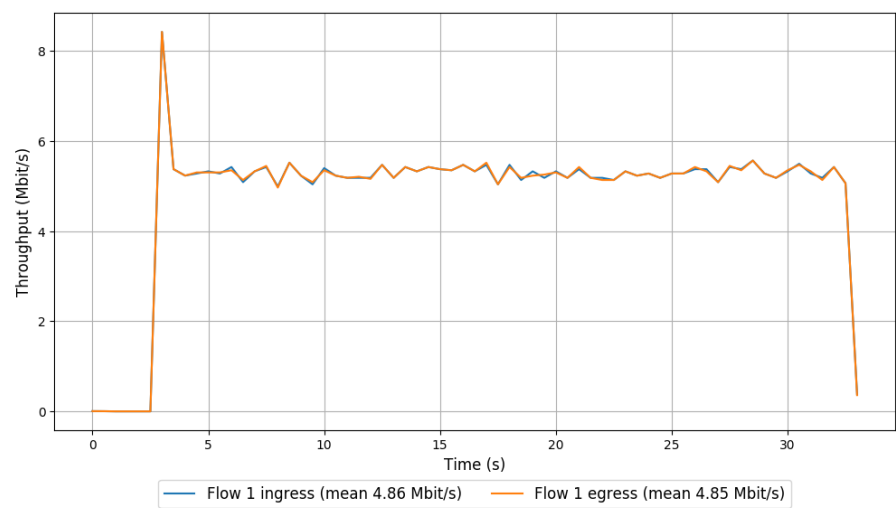
-- Flow 1:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: -0.965 ms

Loss rate: 0.01%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Fri, 16 Jun 2017 03:42:37 +0000

End at: Fri, 16 Jun 2017 03:43:07 +0000

Local clock offset: -3.71 ms

Remote clock offset: -2.705 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:27:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.42 Mbit/s

95th percentile per-packet one-way delay: 9.939 ms

Loss rate: 0.02%

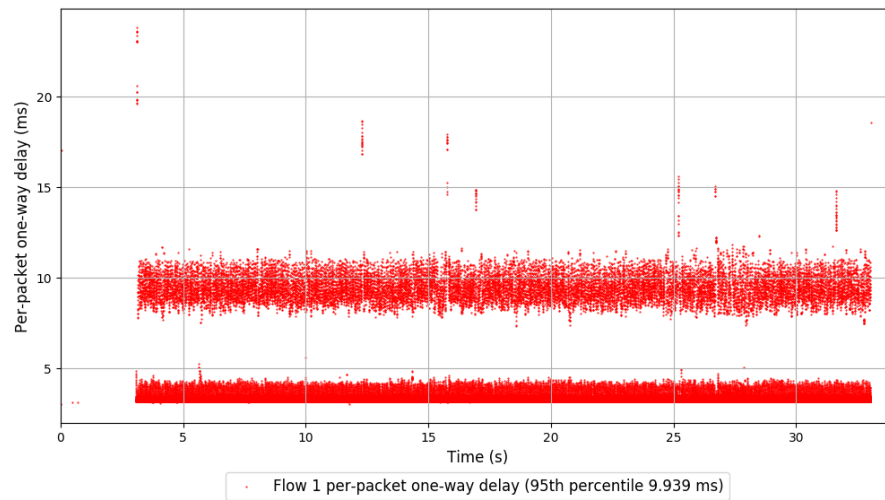
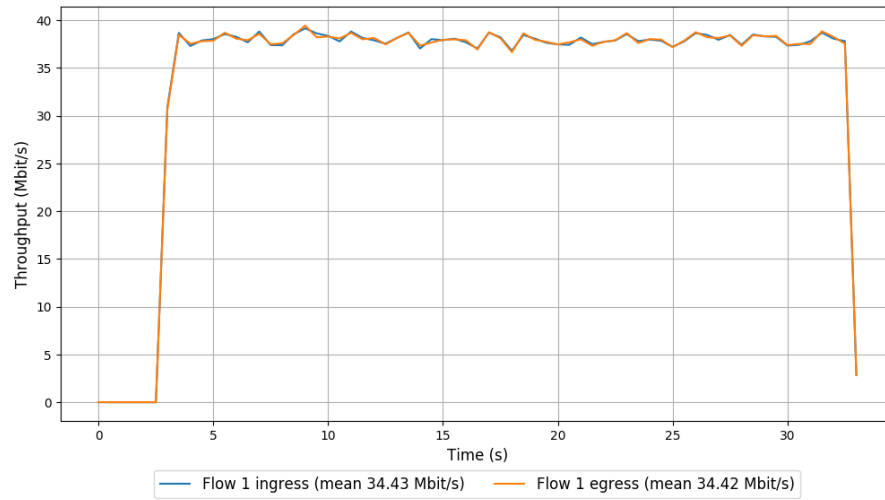
-- Flow 1:

Average throughput: 34.42 Mbit/s

95th percentile per-packet one-way delay: 9.939 ms

Loss rate: 0.02%

## Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Fri, 16 Jun 2017 04:01:21 +0000

End at: Fri, 16 Jun 2017 04:01:51 +0000

Local clock offset: -3.745 ms

Remote clock offset: -3.233 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:27:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.87 Mbit/s

95th percentile per-packet one-way delay: 2.702 ms

Loss rate: 0.01%

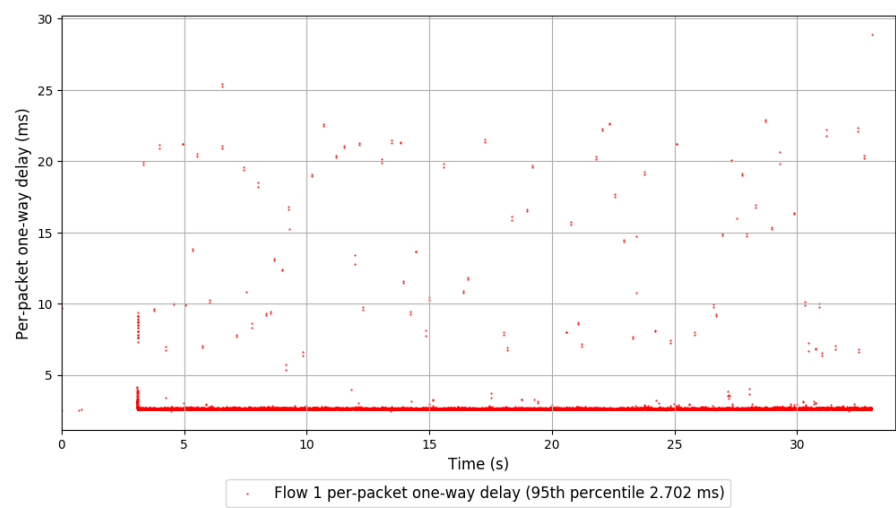
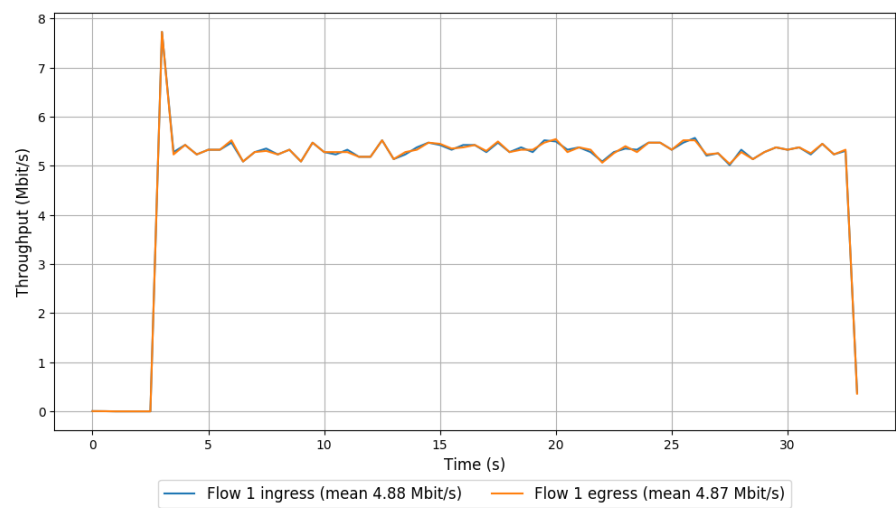
-- Flow 1:

Average throughput: 4.87 Mbit/s

95th percentile per-packet one-way delay: 2.702 ms

Loss rate: 0.01%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Fri, 16 Jun 2017 04:19:41 +0000

End at: Fri, 16 Jun 2017 04:20:11 +0000

Local clock offset: -5.854 ms

Remote clock offset: -3.093 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:27:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.02 Mbit/s

95th percentile per-packet one-way delay: 5.010 ms

Loss rate: 0.01%

-- Flow 1:

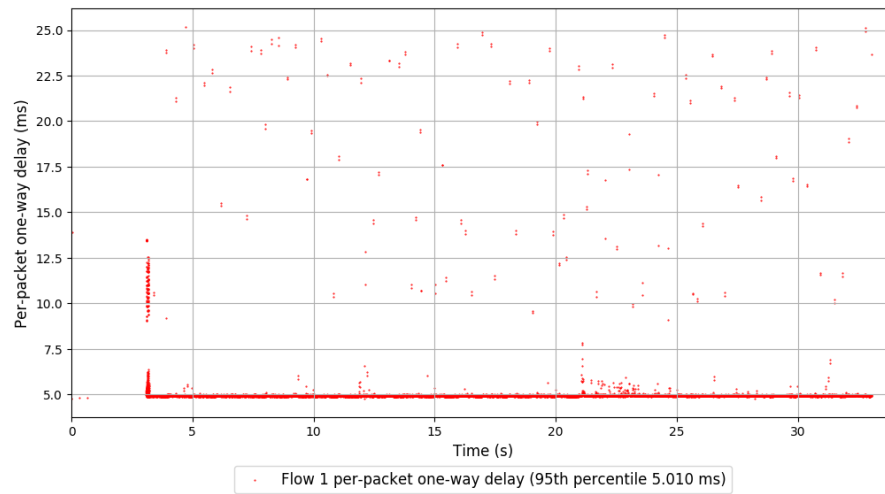
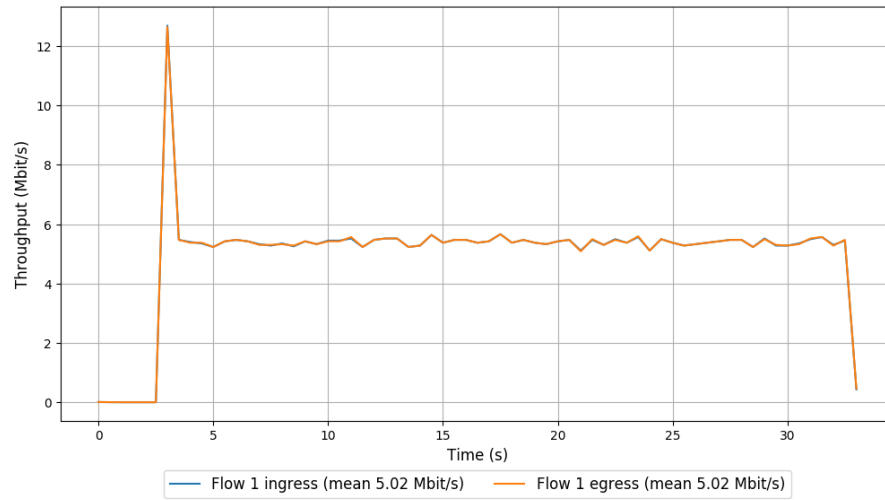
Average throughput: 5.02 Mbit/s

95th percentile per-packet one-way delay: 5.010 ms

Loss rate: 0.01%



## Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Fri, 16 Jun 2017 04:37:30 +0000

End at: Fri, 16 Jun 2017 04:38:00 +0000

Local clock offset: -5.996 ms

Remote clock offset: -2.956 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:27:51 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.01 Mbit/s

95th percentile per-packet one-way delay: 12.005 ms

Loss rate: 0.02%

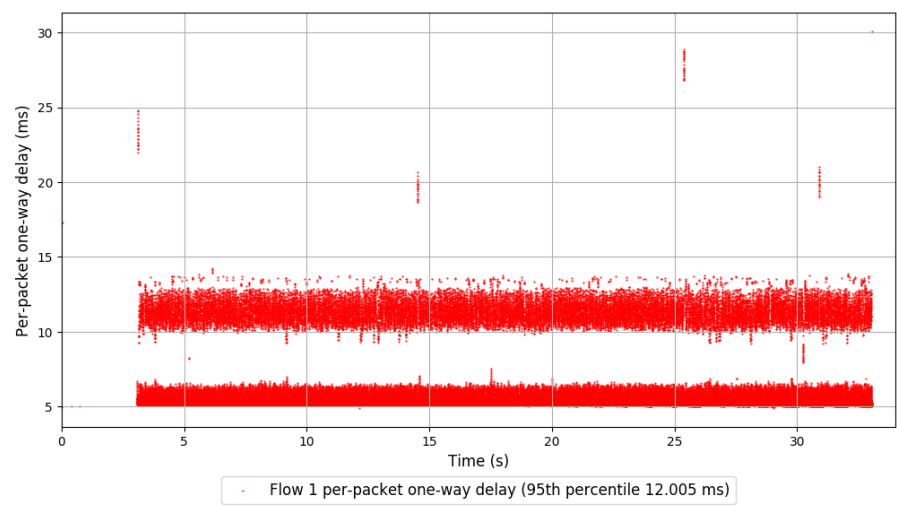
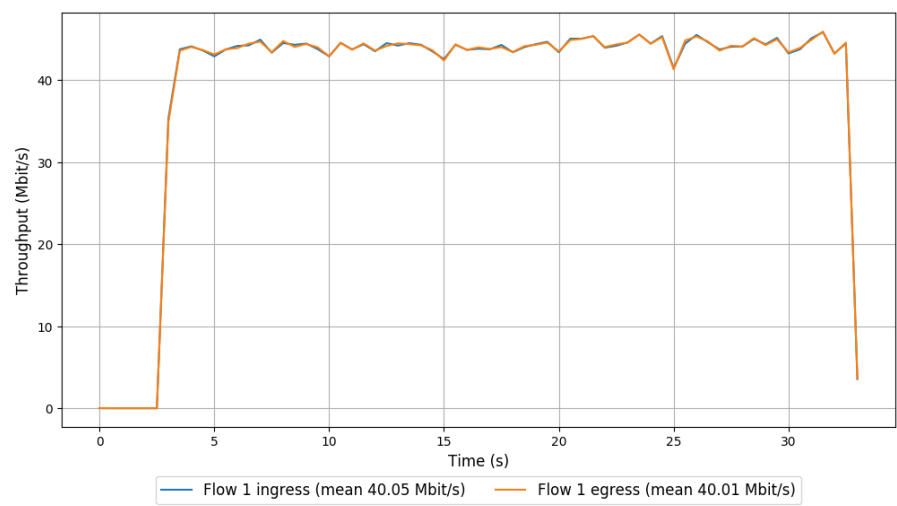
-- Flow 1:

Average throughput: 40.01 Mbit/s

95th percentile per-packet one-way delay: 12.005 ms

Loss rate: 0.02%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Fri, 16 Jun 2017 04:56:02 +0000

End at: Fri, 16 Jun 2017 04:56:32 +0000

Local clock offset: -5.882 ms

Remote clock offset: -2.846 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:27:58 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.82 Mbit/s

95th percentile per-packet one-way delay: 11.866 ms

Loss rate: 0.02%

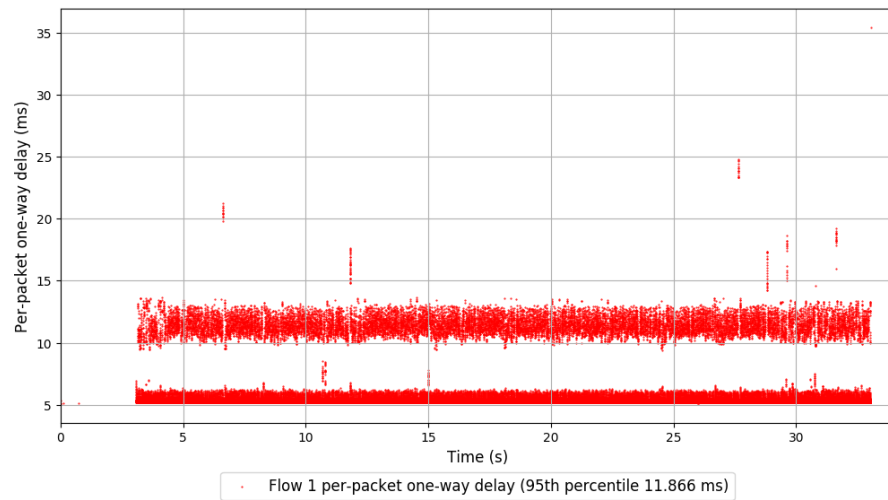
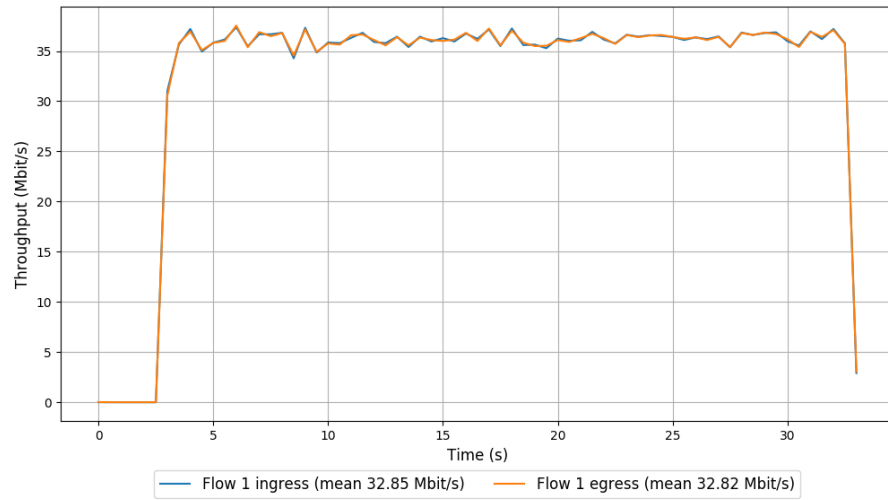
-- Flow 1:

Average throughput: 32.82 Mbit/s

95th percentile per-packet one-way delay: 11.866 ms

Loss rate: 0.02%

# Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Fri, 16 Jun 2017 02:18:46 +0000

End at: Fri, 16 Jun 2017 02:19:16 +0000

Local clock offset: -8.407 ms

Remote clock offset: 2.015 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:28:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.72 Mbit/s

95th percentile per-packet one-way delay: 28.324 ms

Loss rate: 0.78%

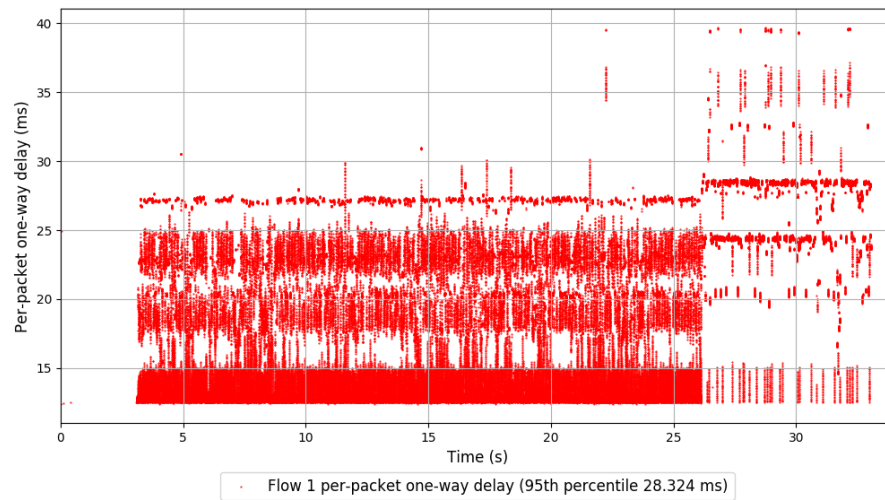
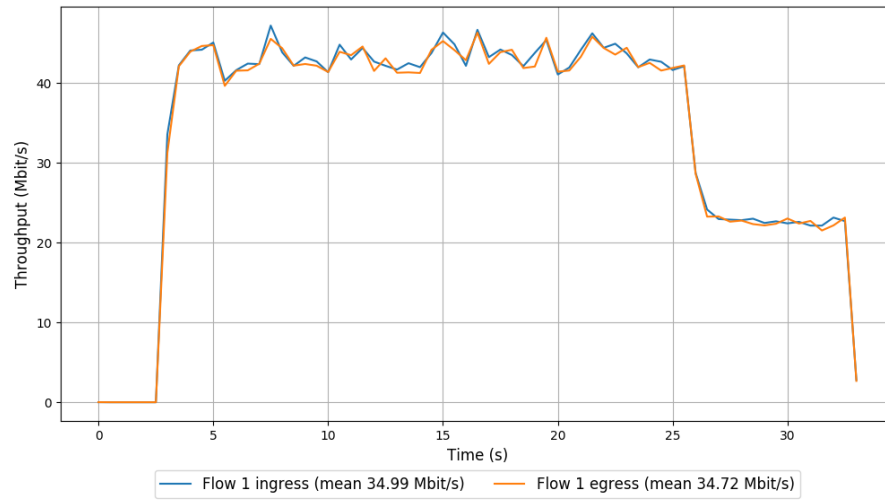
-- Flow 1:

Average throughput: 34.72 Mbit/s

95th percentile per-packet one-way delay: 28.324 ms

Loss rate: 0.78%

# Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Fri, 16 Jun 2017 02:37:12 +0000

End at: Fri, 16 Jun 2017 02:37:42 +0000

Local clock offset: -2.173 ms

Remote clock offset: 0.614 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:28:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.49 Mbit/s

95th percentile per-packet one-way delay: 24.650 ms

Loss rate: 0.87%

-- Flow 1:

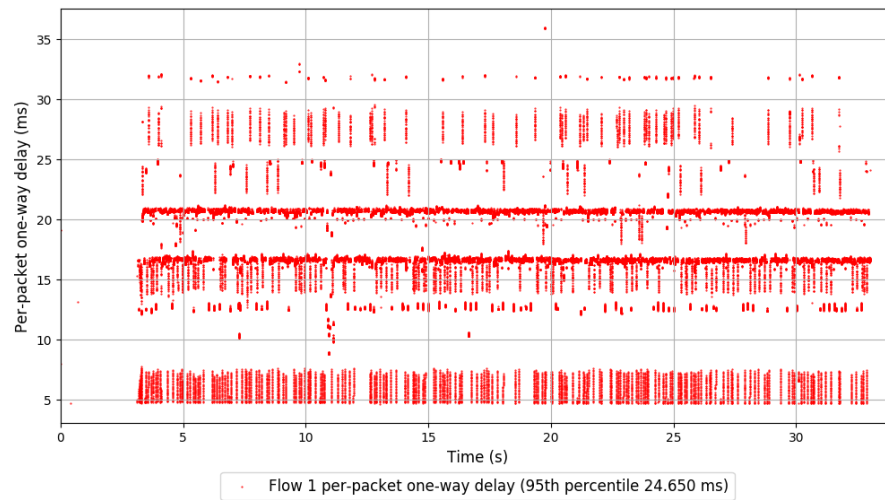
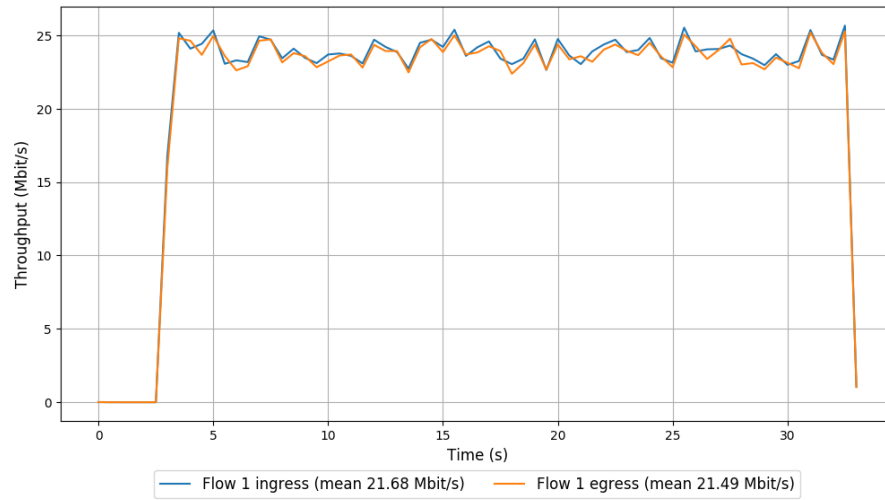
Average throughput: 21.49 Mbit/s

95th percentile per-packet one-way delay: 24.650 ms

Loss rate: 0.87%



## Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Fri, 16 Jun 2017 02:55:27 +0000

End at: Fri, 16 Jun 2017 02:55:57 +0000

Local clock offset: -1.118 ms

Remote clock offset: -0.751 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:28:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.70 Mbit/s

95th percentile per-packet one-way delay: 21.002 ms

Loss rate: 0.82%

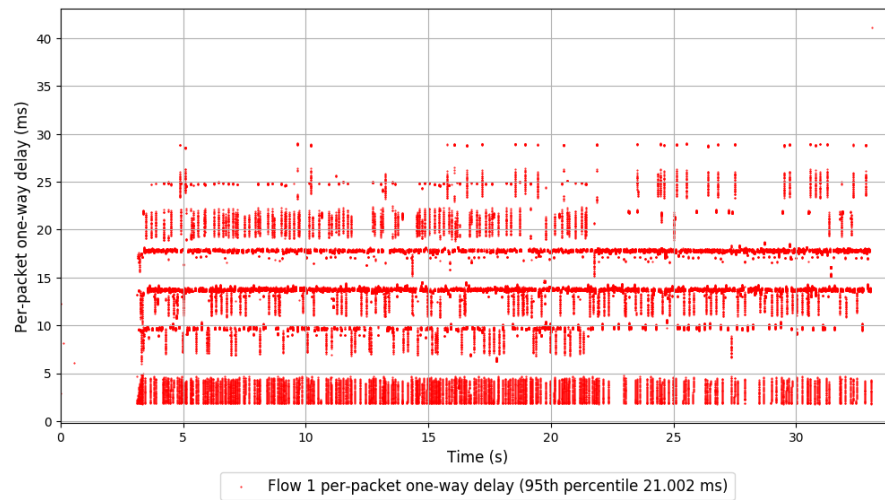
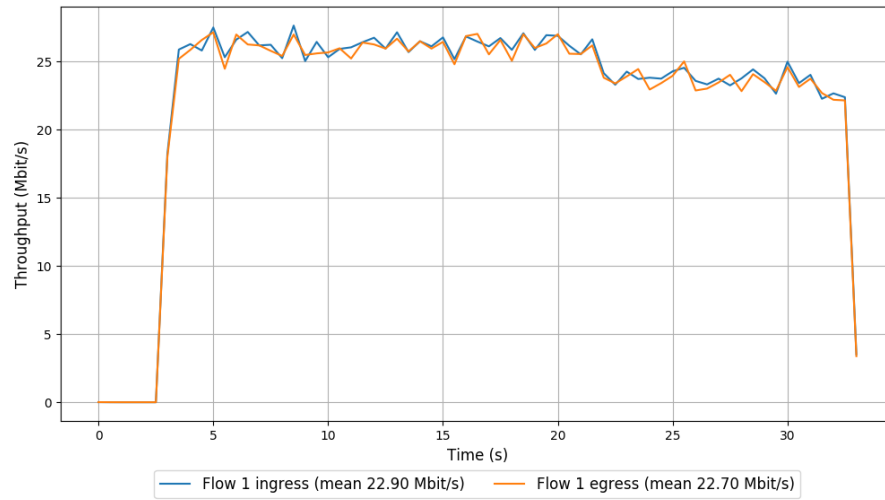
-- Flow 1:

Average throughput: 22.70 Mbit/s

95th percentile per-packet one-way delay: 21.002 ms

Loss rate: 0.82%

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



Run 4: Statistics of LEDBAT

Start at: Fri, 16 Jun 2017 03:14:04 +0000

End at: Fri, 16 Jun 2017 03:14:34 +0000

Local clock offset: 0.43 ms

Remote clock offset: -1.814 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:28:46 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.73 Mbit/s

95th percentile per-packet one-way delay: 13.768 ms

Loss rate: 0.77%

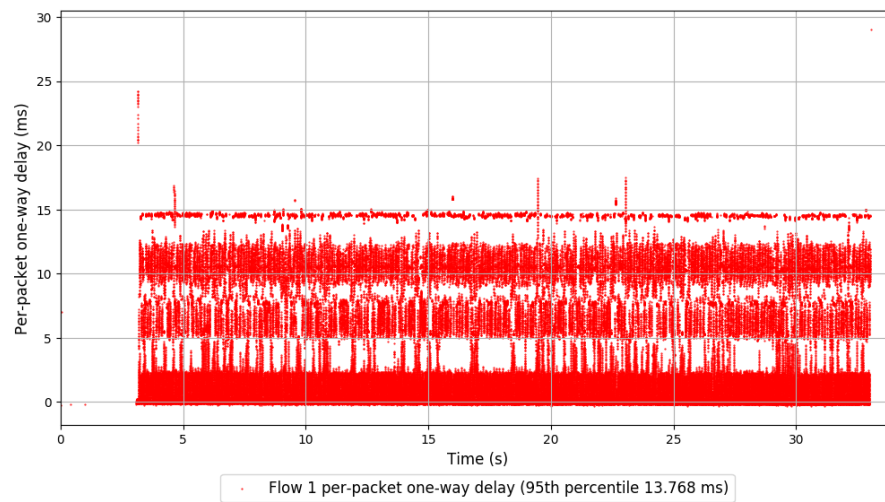
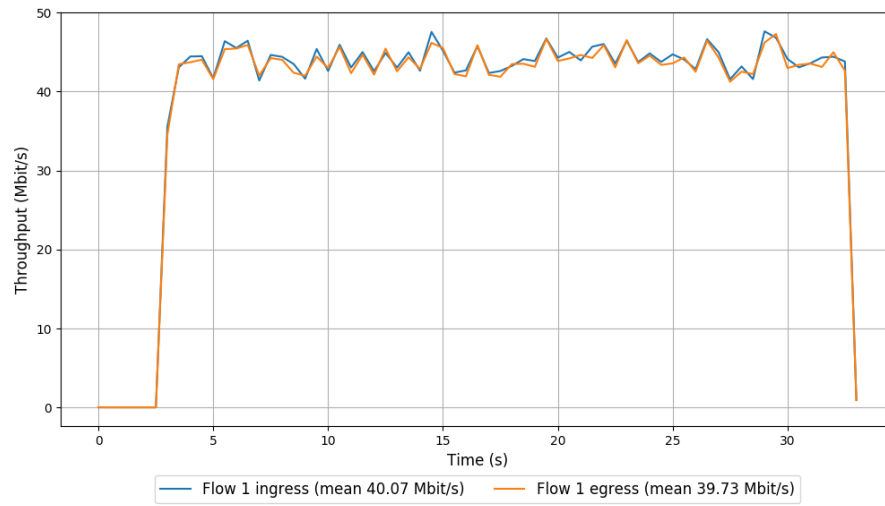
-- Flow 1:

Average throughput: 39.73 Mbit/s

95th percentile per-packet one-way delay: 13.768 ms

Loss rate: 0.77%

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



Run 5: Statistics of LEDBAT

Start at: Fri, 16 Jun 2017 03:32:22 +0000

End at: Fri, 16 Jun 2017 03:32:52 +0000

Local clock offset: -2.037 ms

Remote clock offset: -2.503 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:28:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.14 Mbit/s

95th percentile per-packet one-way delay: 21.969 ms

Loss rate: 0.84%

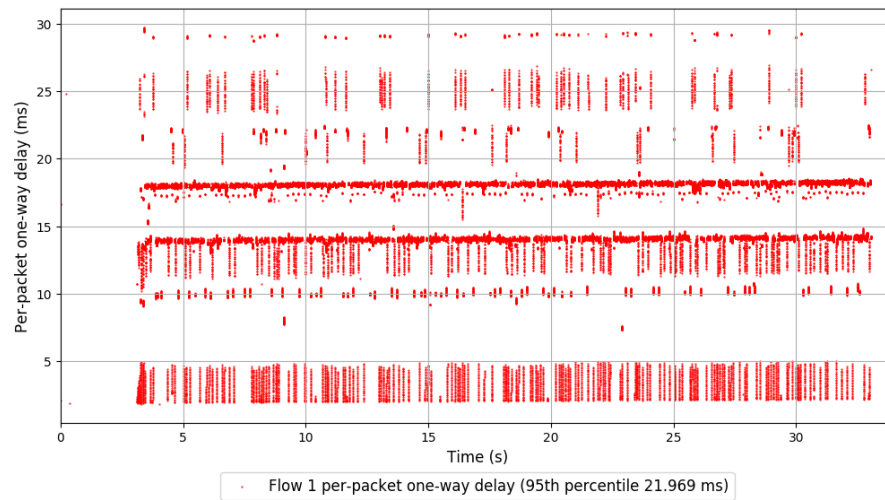
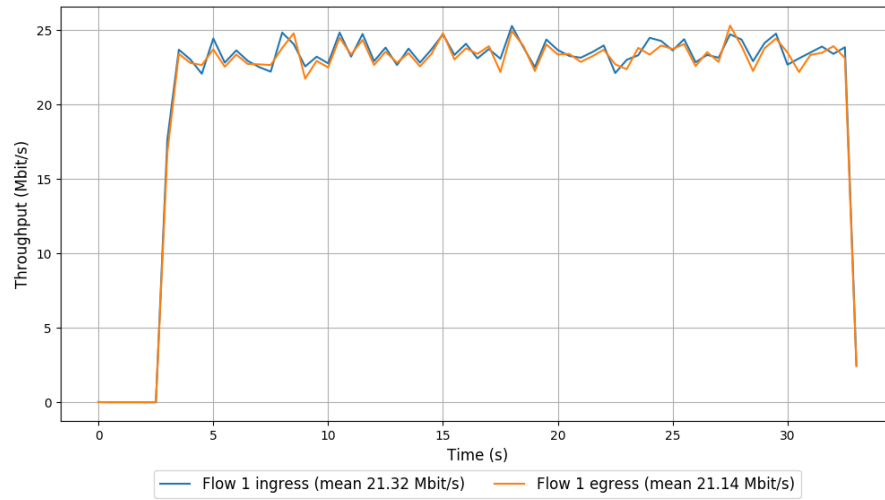
-- Flow 1:

Average throughput: 21.14 Mbit/s

95th percentile per-packet one-way delay: 21.969 ms

Loss rate: 0.84%

## Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Fri, 16 Jun 2017 03:50:52 +0000

End at: Fri, 16 Jun 2017 03:51:22 +0000

Local clock offset: -3.999 ms

Remote clock offset: -3.029 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:29:14 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 42.79 Mbit/s

95th percentile per-packet one-way delay: 14.906 ms

Loss rate: 0.99%

-- Flow 1:

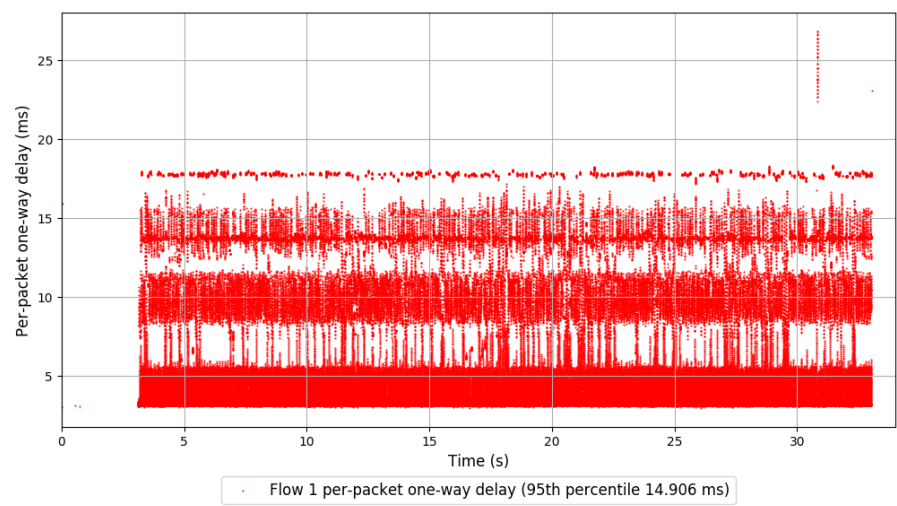
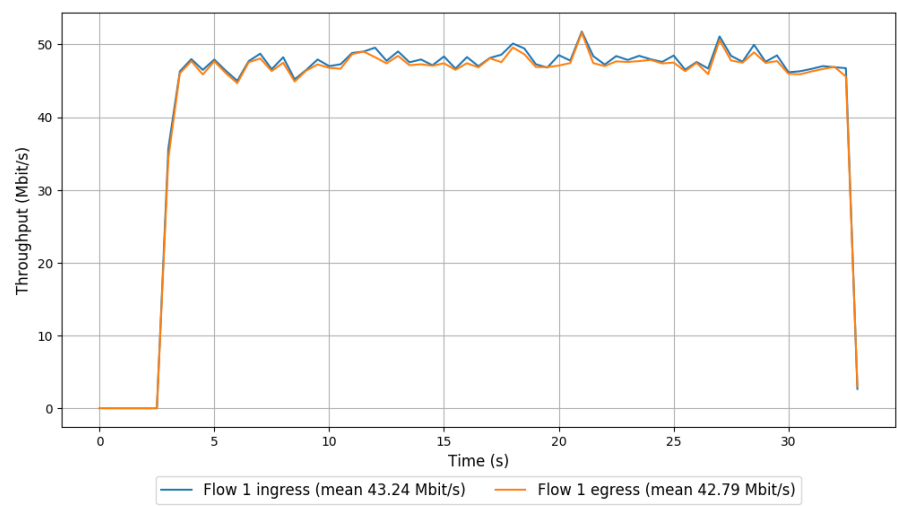
Average throughput: 42.79 Mbit/s

95th percentile per-packet one-way delay: 14.906 ms

Loss rate: 0.99%



Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Fri, 16 Jun 2017 04:09:15 +0000

End at: Fri, 16 Jun 2017 04:09:45 +0000

Local clock offset: -4.801 ms

Remote clock offset: -3.339 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:29:14 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 23.18 Mbit/s

95th percentile per-packet one-way delay: 23.141 ms

Loss rate: 0.78%

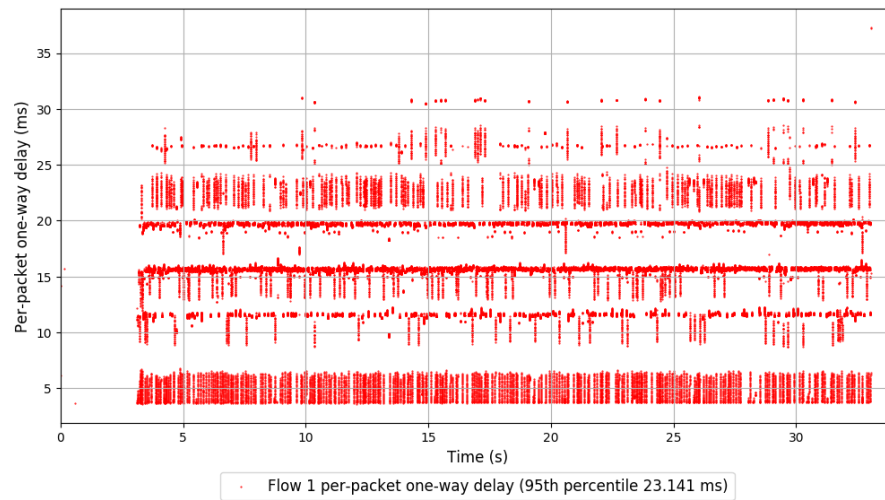
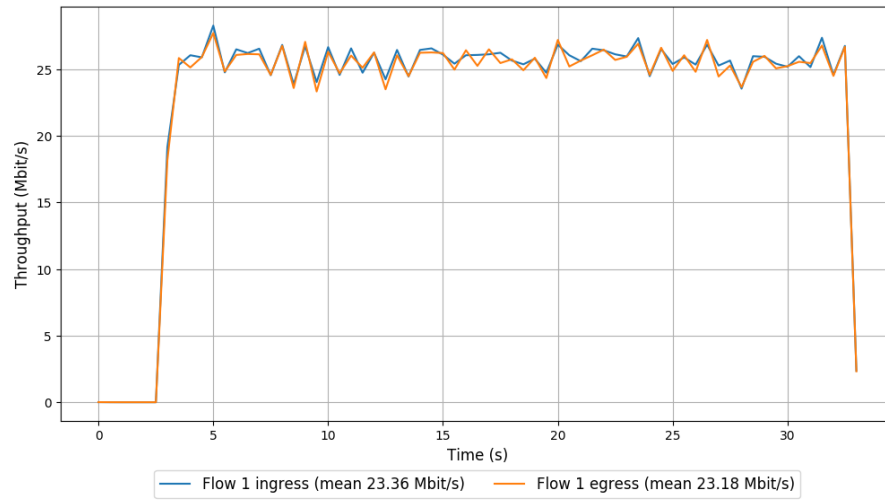
-- Flow 1:

Average throughput: 23.18 Mbit/s

95th percentile per-packet one-way delay: 23.141 ms

Loss rate: 0.78%

### Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Fri, 16 Jun 2017 04:27:28 +0000

End at: Fri, 16 Jun 2017 04:27:58 +0000

Local clock offset: -5.91 ms

Remote clock offset: -3.049 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:29:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.14 Mbit/s

95th percentile per-packet one-way delay: 19.534 ms

Loss rate: 0.71%

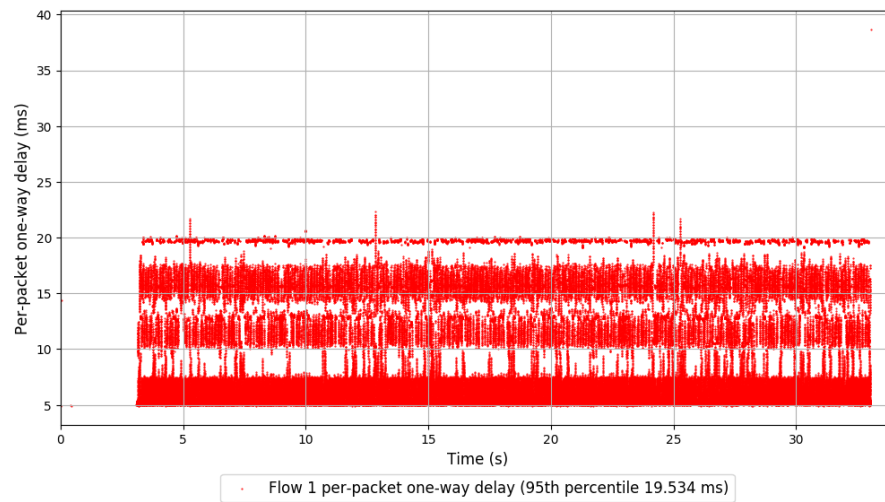
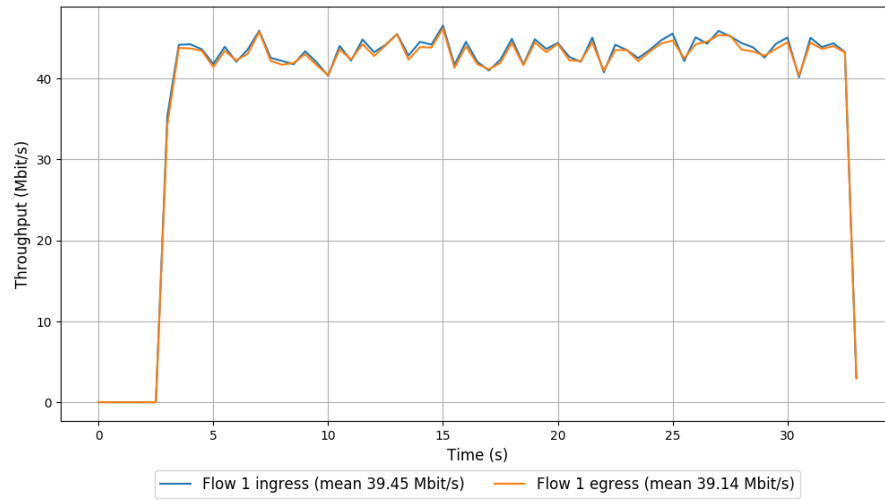
-- Flow 1:

Average throughput: 39.14 Mbit/s

95th percentile per-packet one-way delay: 19.534 ms

Loss rate: 0.71%

## Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Fri, 16 Jun 2017 04:45:45 +0000

End at: Fri, 16 Jun 2017 04:46:15 +0000

Local clock offset: -5.757 ms

Remote clock offset: -2.909 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:29:42 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.39 Mbit/s

95th percentile per-packet one-way delay: 18.338 ms

Loss rate: 0.74%

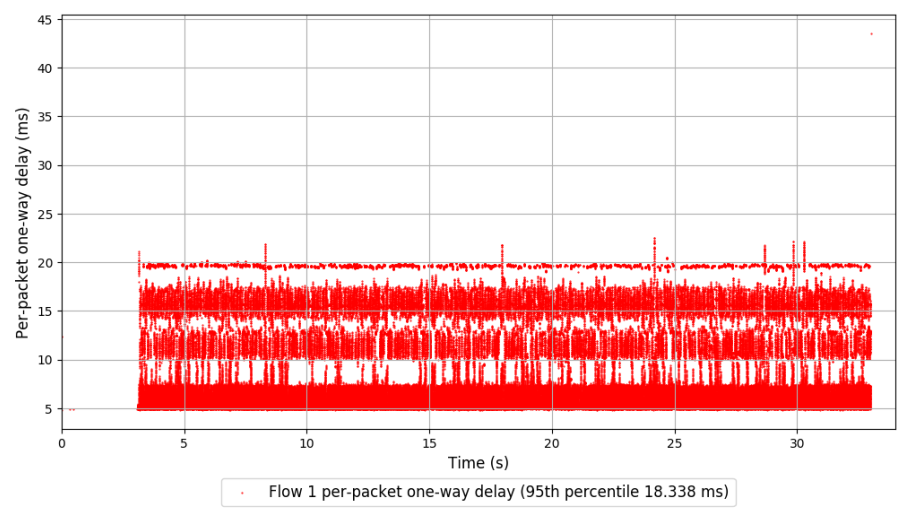
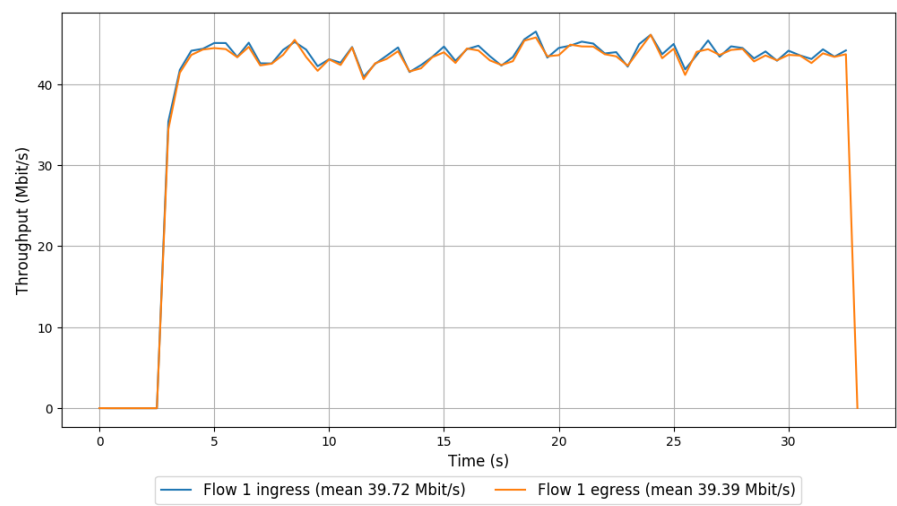
-- Flow 1:

Average throughput: 39.39 Mbit/s

95th percentile per-packet one-way delay: 18.338 ms

Loss rate: 0.74%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Fri, 16 Jun 2017 05:04:15 +0000

End at: Fri, 16 Jun 2017 05:04:45 +0000

Local clock offset: -5.406 ms

Remote clock offset: -2.451 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:29:49 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.72 Mbit/s

95th percentile per-packet one-way delay: 24.909 ms

Loss rate: 0.80%

-- Flow 1:

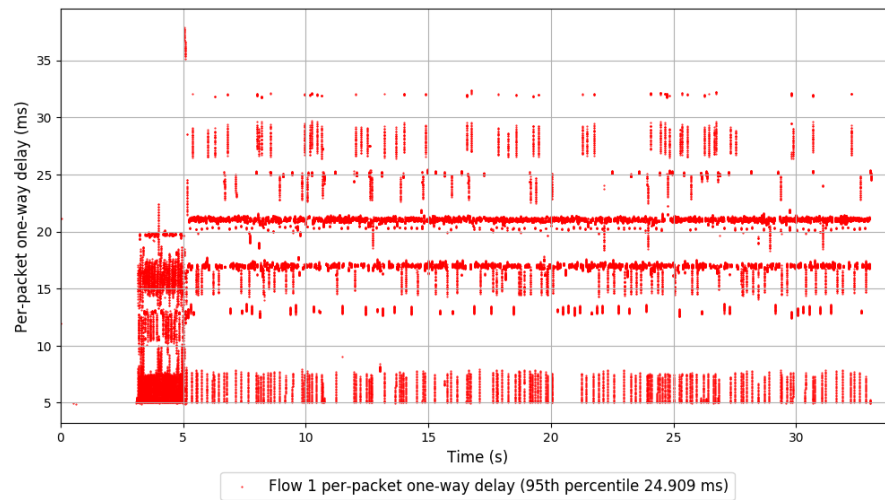
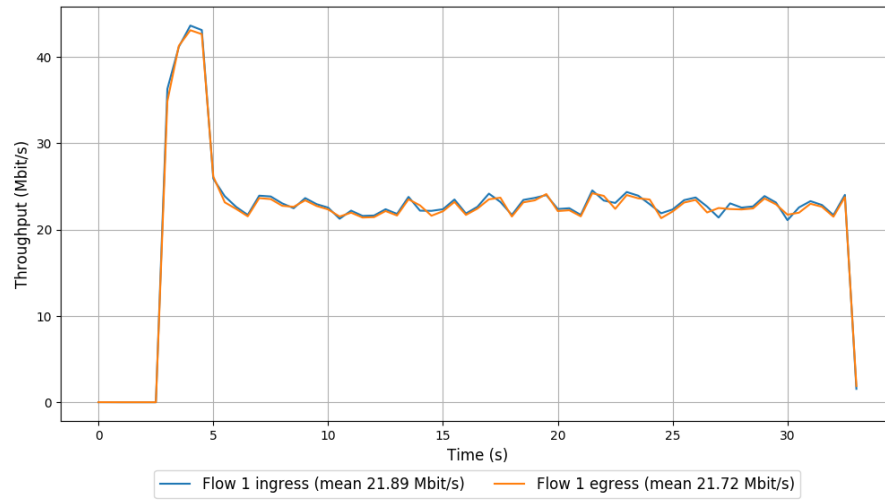
Average throughput: 21.72 Mbit/s

95th percentile per-packet one-way delay: 24.909 ms

Loss rate: 0.80%



# Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Fri, 16 Jun 2017 02:21:21 +0000

End at: Fri, 16 Jun 2017 02:21:51 +0000

Local clock offset: -6.588 ms

Remote clock offset: 1.908 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:30:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.41 Mbit/s

95th percentile per-packet one-way delay: 25.653 ms

Loss rate: 11.60%

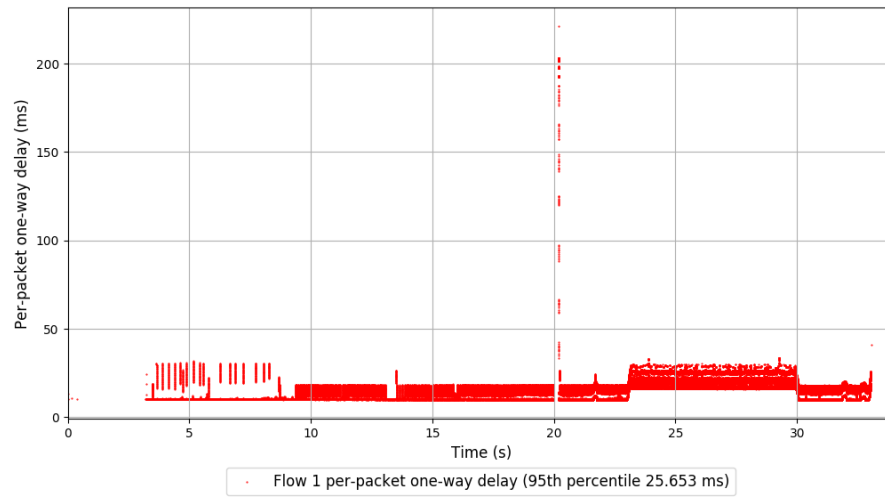
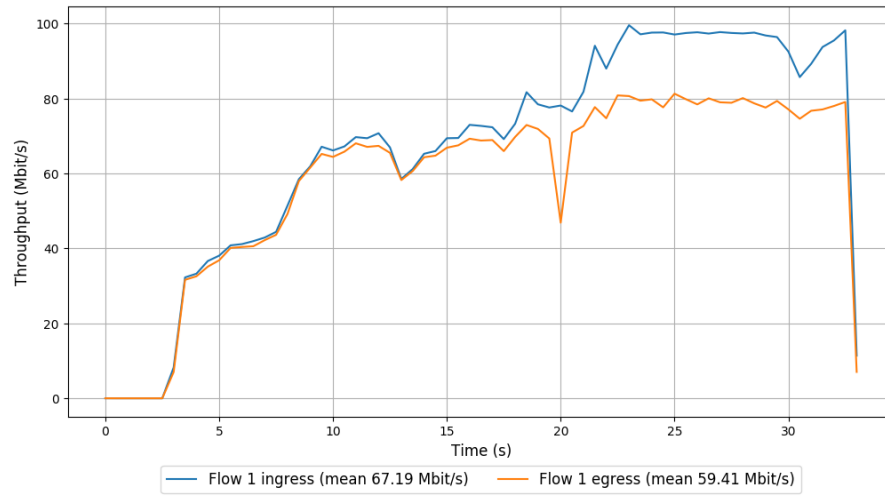
-- Flow 1:

Average throughput: 59.41 Mbit/s

95th percentile per-packet one-way delay: 25.653 ms

Loss rate: 11.60%

### Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Fri, 16 Jun 2017 02:39:40 +0000

End at: Fri, 16 Jun 2017 02:40:10 +0000

Local clock offset: -1.946 ms

Remote clock offset: 0.402 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:30:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.31 Mbit/s

95th percentile per-packet one-way delay: 17.845 ms

Loss rate: 0.16%

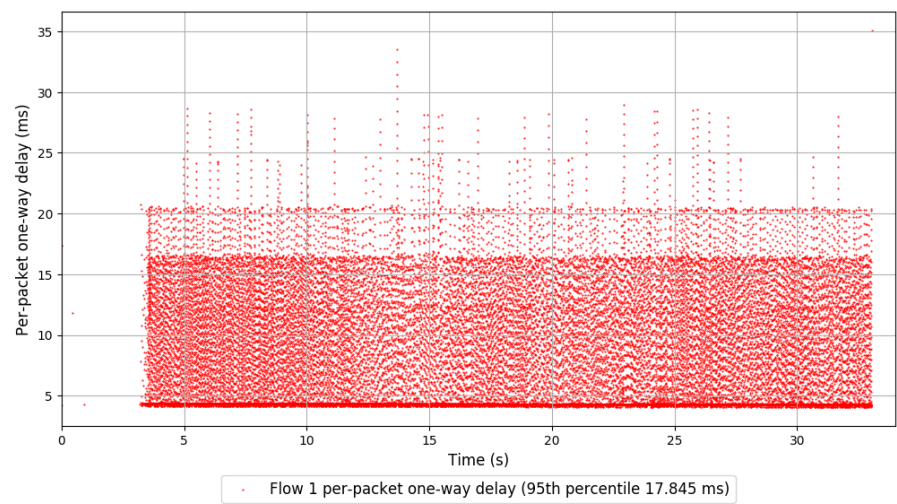
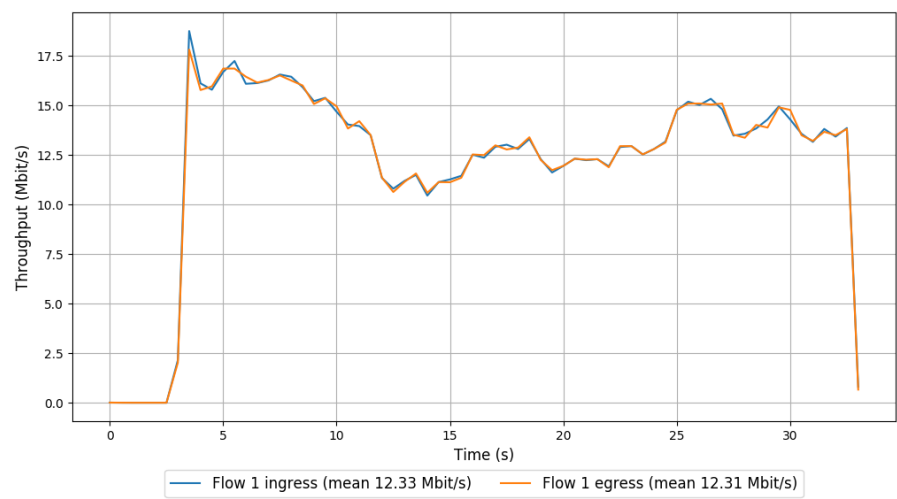
-- Flow 1:

Average throughput: 12.31 Mbit/s

95th percentile per-packet one-way delay: 17.845 ms

Loss rate: 0.16%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Fri, 16 Jun 2017 02:57:58 +0000

End at: Fri, 16 Jun 2017 02:58:28 +0000

Local clock offset: -0.458 ms

Remote clock offset: -0.9 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:30:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 8.626 ms

Loss rate: 1.79%

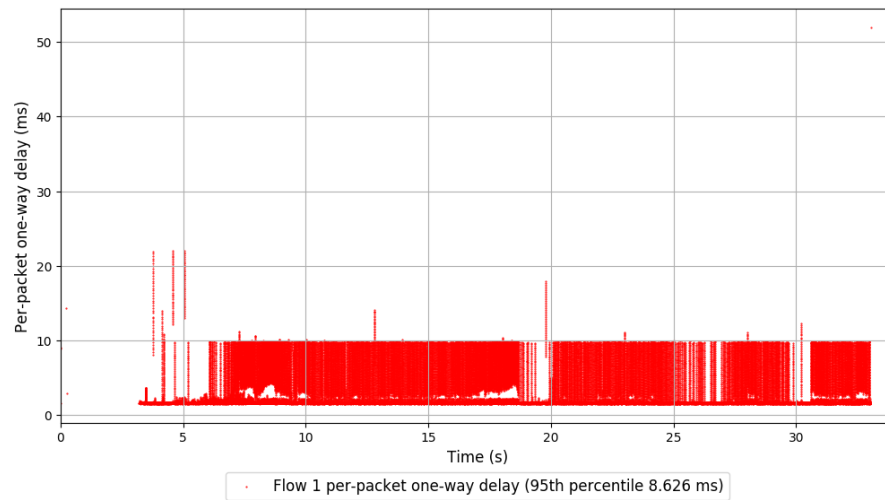
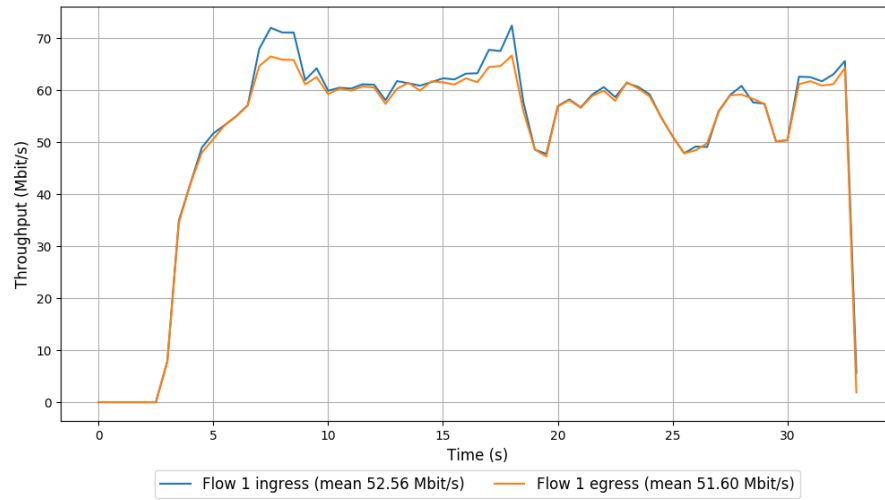
-- Flow 1:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 8.626 ms

Loss rate: 1.79%

### Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Fri, 16 Jun 2017 03:16:38 +0000

End at: Fri, 16 Jun 2017 03:17:08 +0000

Local clock offset: 0.597 ms

Remote clock offset: -1.982 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:30:57 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.49 Mbit/s

95th percentile per-packet one-way delay: 6.710 ms

Loss rate: 5.40%

-- Flow 1:

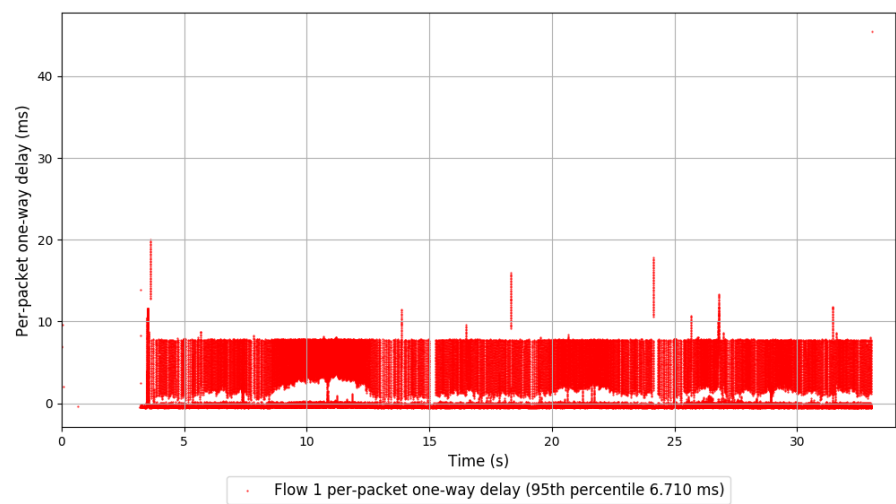
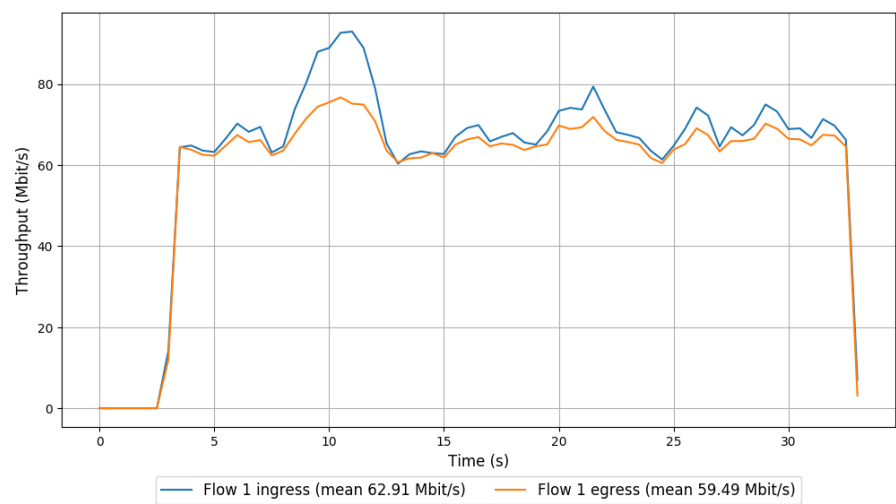
Average throughput: 59.49 Mbit/s

95th percentile per-packet one-way delay: 6.710 ms

Loss rate: 5.40%



Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Fri, 16 Jun 2017 03:34:39 +0000

End at: Fri, 16 Jun 2017 03:35:09 +0000

Local clock offset: -3.254 ms

Remote clock offset: -2.504 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:31:06 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.70 Mbit/s

95th percentile per-packet one-way delay: 9.958 ms

Loss rate: 3.91%

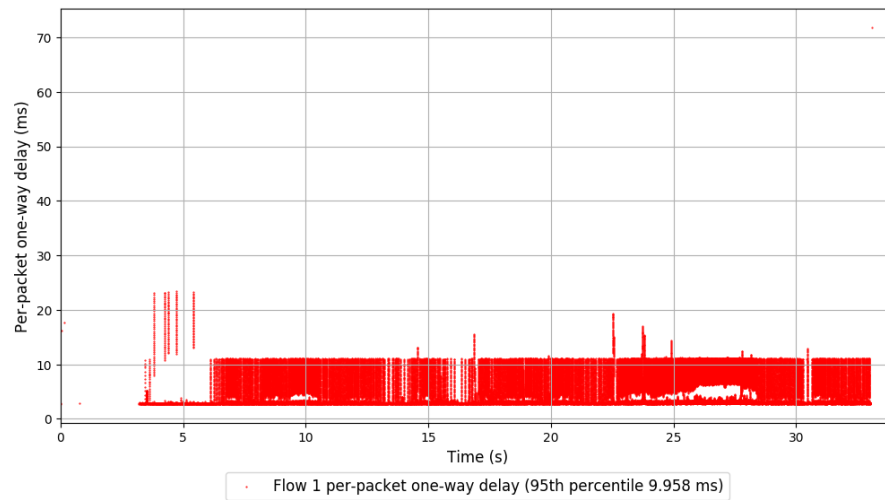
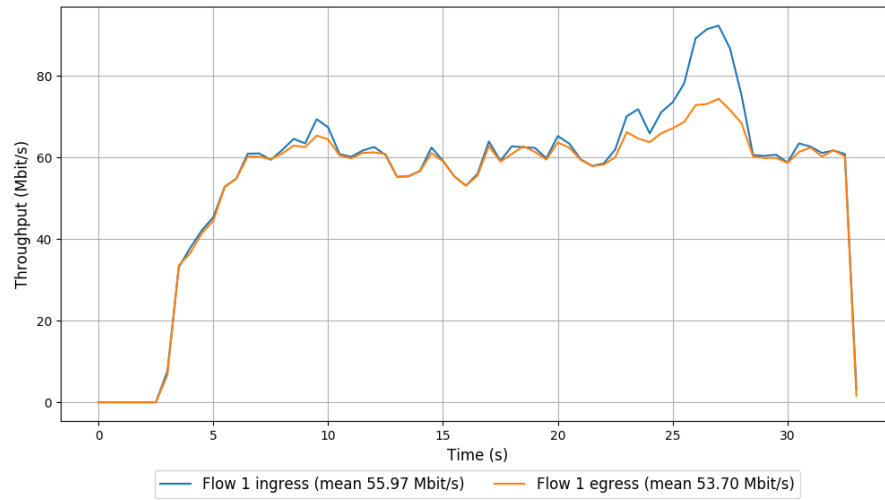
-- Flow 1:

Average throughput: 53.70 Mbit/s

95th percentile per-packet one-way delay: 9.958 ms

Loss rate: 3.91%

### Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Fri, 16 Jun 2017 03:53:24 +0000

End at: Fri, 16 Jun 2017 03:53:54 +0000

Local clock offset: -4.056 ms

Remote clock offset: -3.063 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:31:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.87 Mbit/s

95th percentile per-packet one-way delay: 10.114 ms

Loss rate: 5.31%

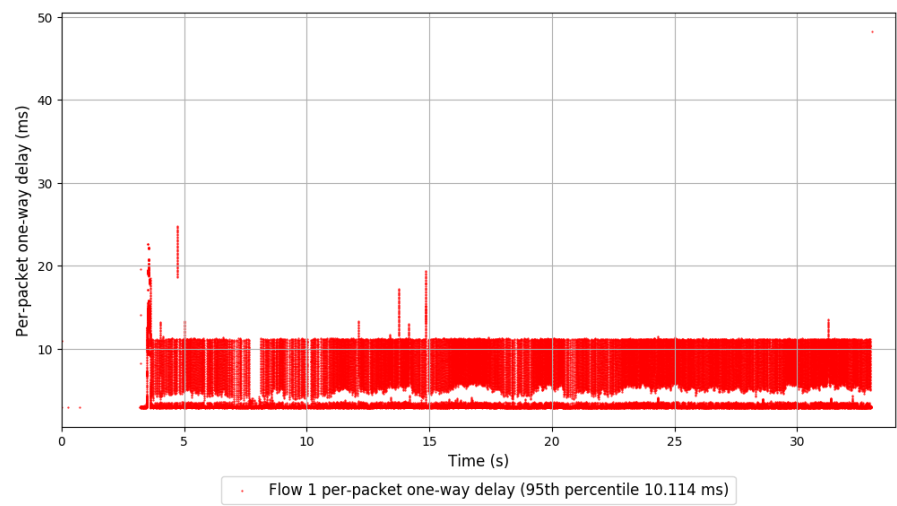
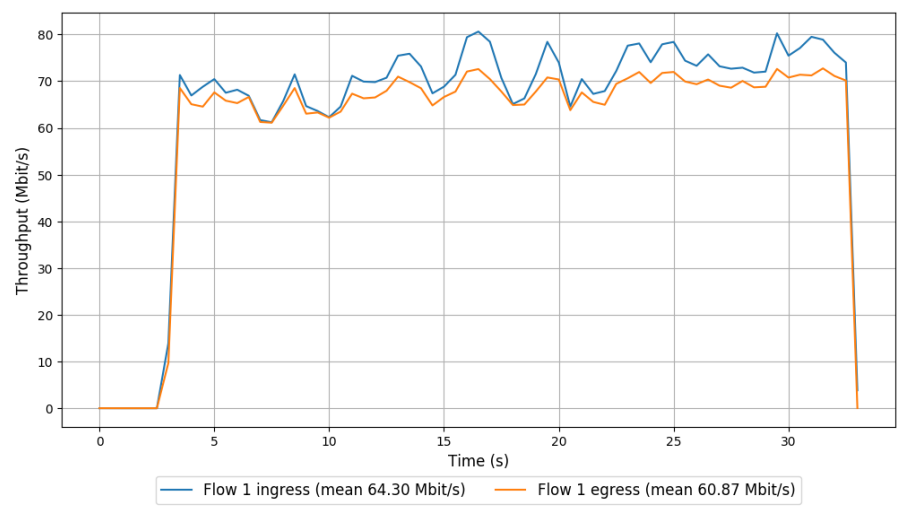
-- Flow 1:

Average throughput: 60.87 Mbit/s

95th percentile per-packet one-way delay: 10.114 ms

Loss rate: 5.31%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Fri, 16 Jun 2017 04:11:45 +0000

End at: Fri, 16 Jun 2017 04:12:15 +0000

Local clock offset: -5.177 ms

Remote clock offset: -3.227 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:31:39 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.96 Mbit/s

95th percentile per-packet one-way delay: 11.072 ms

Loss rate: 1.35%

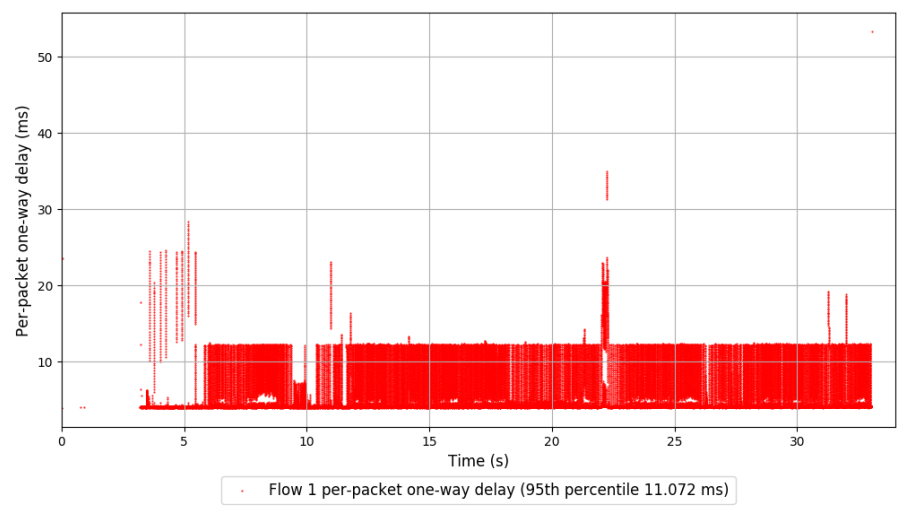
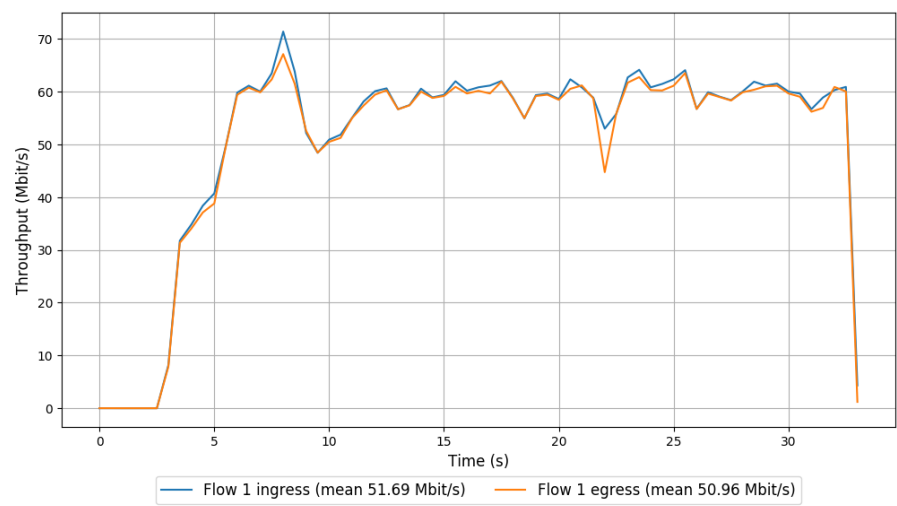
-- Flow 1:

Average throughput: 50.96 Mbit/s

95th percentile per-packet one-way delay: 11.072 ms

Loss rate: 1.35%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Fri, 16 Jun 2017 04:30:05 +0000

End at: Fri, 16 Jun 2017 04:30:35 +0000

Local clock offset: -6.012 ms

Remote clock offset: -2.995 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:31:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.76 Mbit/s

95th percentile per-packet one-way delay: 17.169 ms

Loss rate: 0.07%

-- Flow 1:

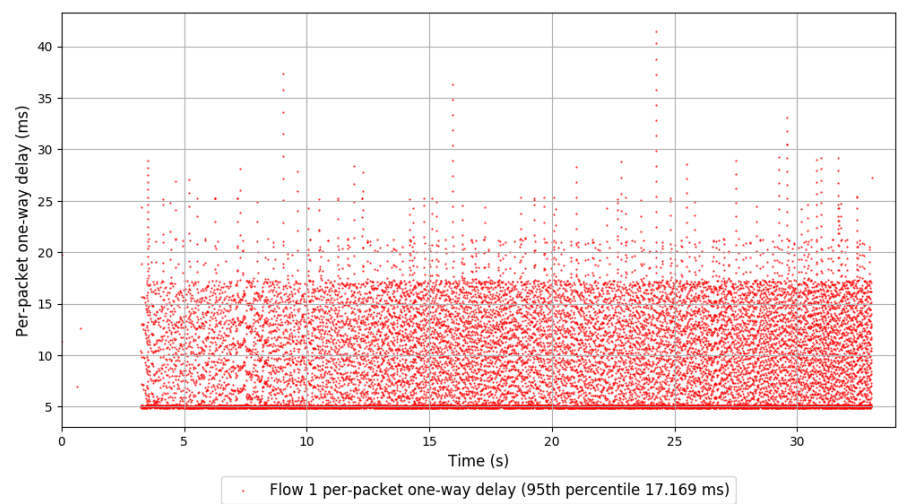
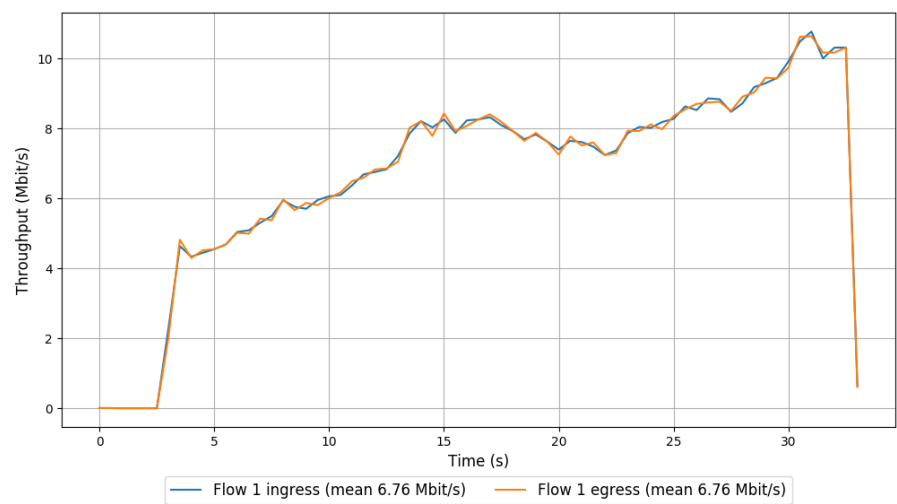
Average throughput: 6.76 Mbit/s

95th percentile per-packet one-way delay: 17.169 ms

Loss rate: 0.07%



Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Fri, 16 Jun 2017 04:48:19 +0000

End at: Fri, 16 Jun 2017 04:48:49 +0000

Local clock offset: -5.681 ms

Remote clock offset: -2.886 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:31:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.62 Mbit/s

95th percentile per-packet one-way delay: 17.076 ms

Loss rate: 0.02%

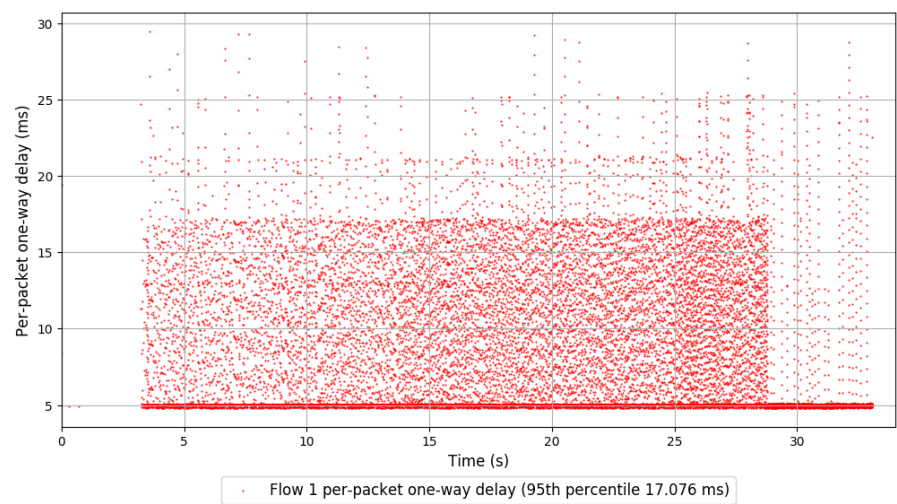
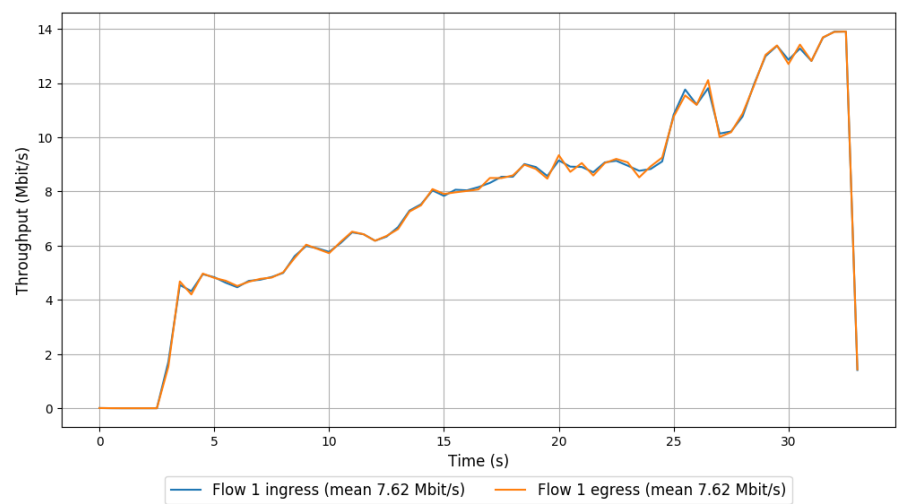
-- Flow 1:

Average throughput: 7.62 Mbit/s

95th percentile per-packet one-way delay: 17.076 ms

Loss rate: 0.02%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Fri, 16 Jun 2017 05:06:45 +0000

End at: Fri, 16 Jun 2017 05:07:15 +0000

Local clock offset: -5.396 ms

Remote clock offset: -2.619 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:32:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.77 Mbit/s

95th percentile per-packet one-way delay: 20.998 ms

Loss rate: 12.69%

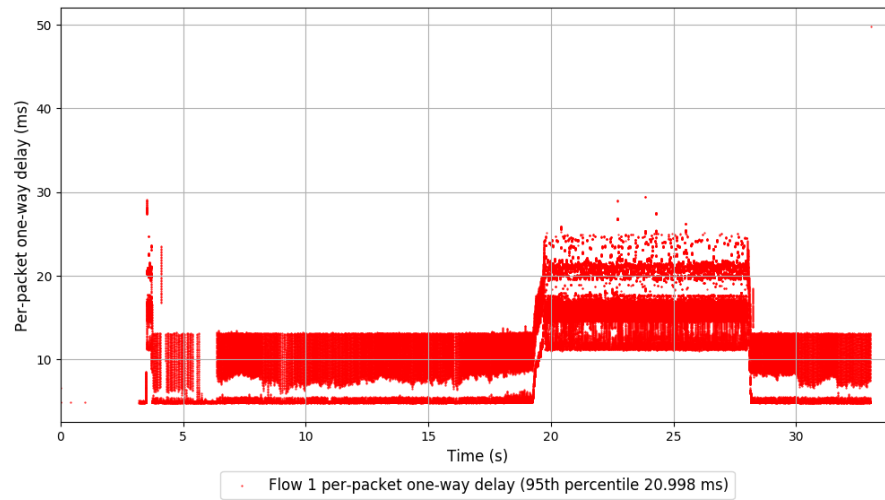
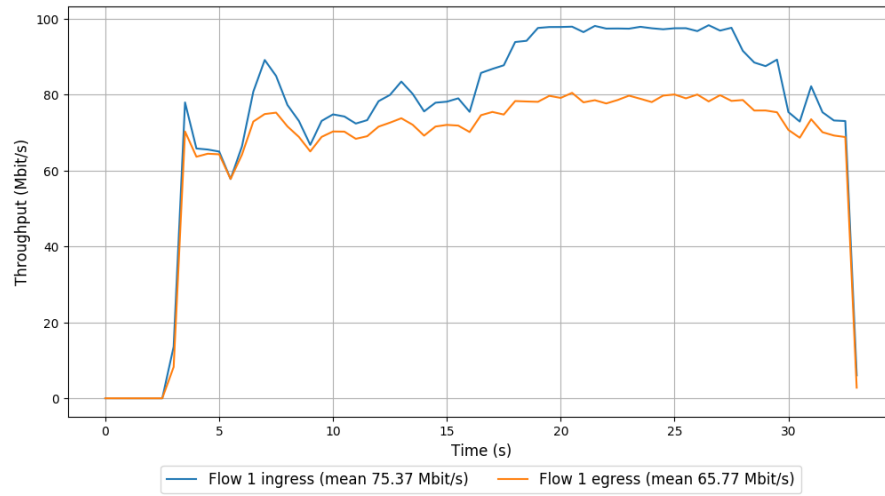
-- Flow 1:

Average throughput: 65.77 Mbit/s

95th percentile per-packet one-way delay: 20.998 ms

Loss rate: 12.69%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic (toy)

Start at: Fri, 16 Jun 2017 02:11:37 +0000

End at: Fri, 16 Jun 2017 02:12:07 +0000

Local clock offset: -8.144 ms

Remote clock offset: 2.365 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:32:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.68 Mbit/s

95th percentile per-packet one-way delay: 39.118 ms

Loss rate: 0.99%

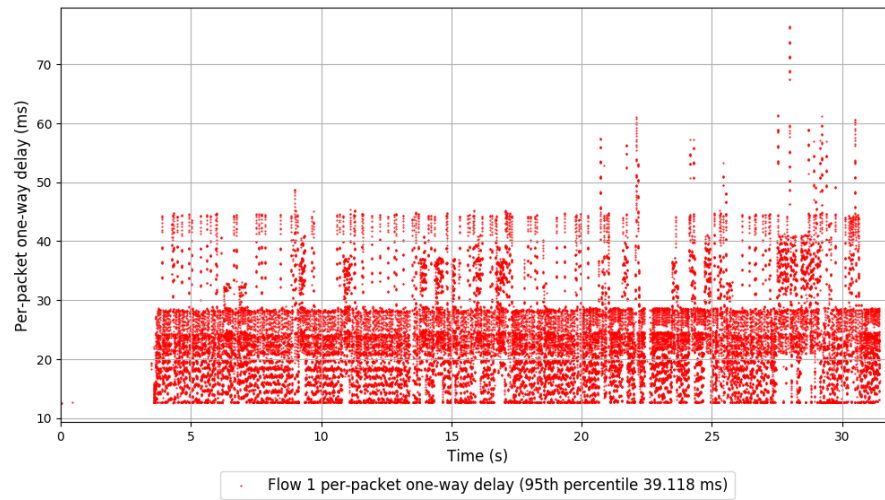
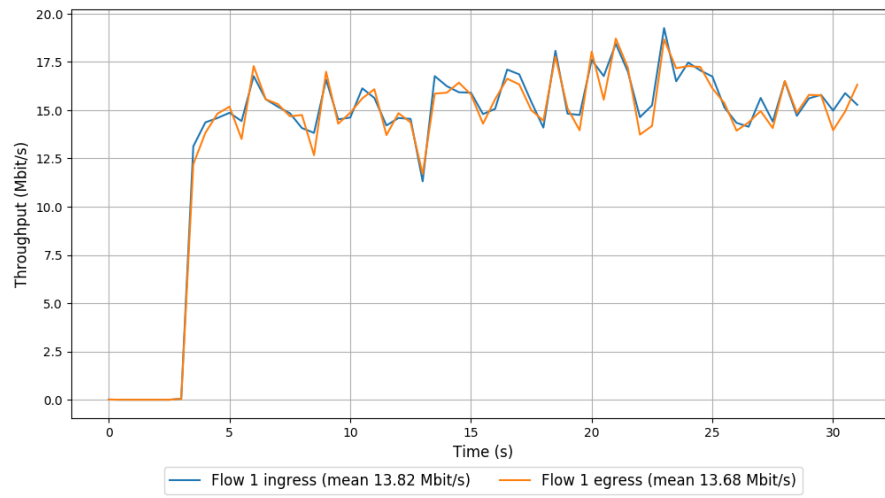
-- Flow 1:

Average throughput: 13.68 Mbit/s

95th percentile per-packet one-way delay: 39.118 ms

Loss rate: 0.99%

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



Run 2: Statistics of QUIC Cubic (toy)

Start at: Fri, 16 Jun 2017 02:30:19 +0000

End at: Fri, 16 Jun 2017 02:30:49 +0000

Local clock offset: -3.08 ms

Remote clock offset: 1.132 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:32:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.29 Mbit/s

95th percentile per-packet one-way delay: 36.296 ms

Loss rate: 0.76%

-- Flow 1:

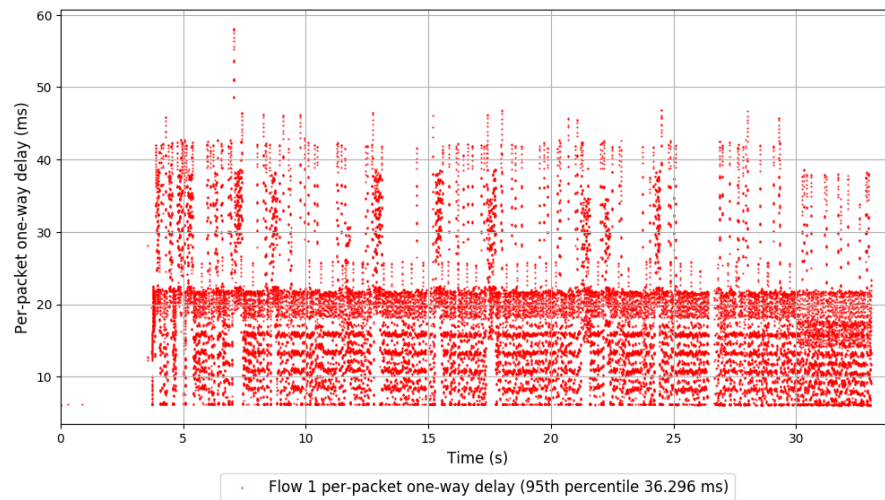
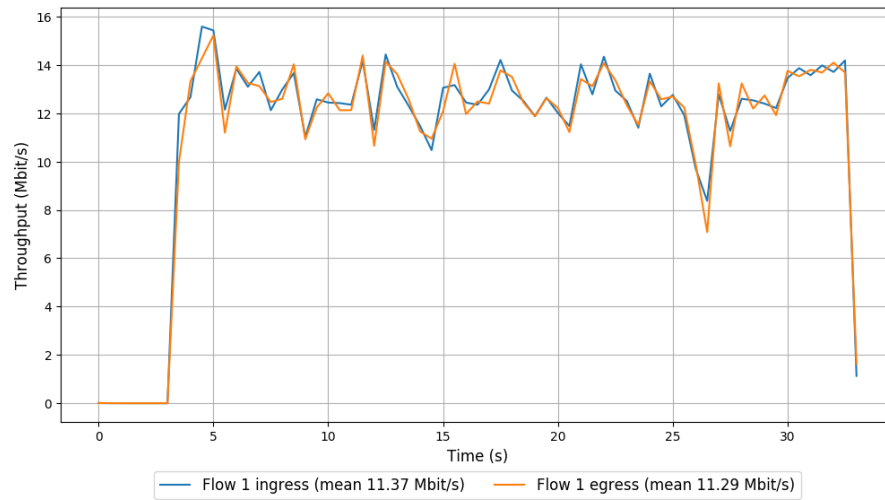
Average throughput: 11.29 Mbit/s

95th percentile per-packet one-way delay: 36.296 ms

Loss rate: 0.76%



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



Run 3: Statistics of QUIC Cubic (toy)

Start at: Fri, 16 Jun 2017 02:48:31 +0000

End at: Fri, 16 Jun 2017 02:49:01 +0000

Local clock offset: -0.959 ms

Remote clock offset: -0.215 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:32:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.50 Mbit/s

95th percentile per-packet one-way delay: 30.632 ms

Loss rate: 0.66%

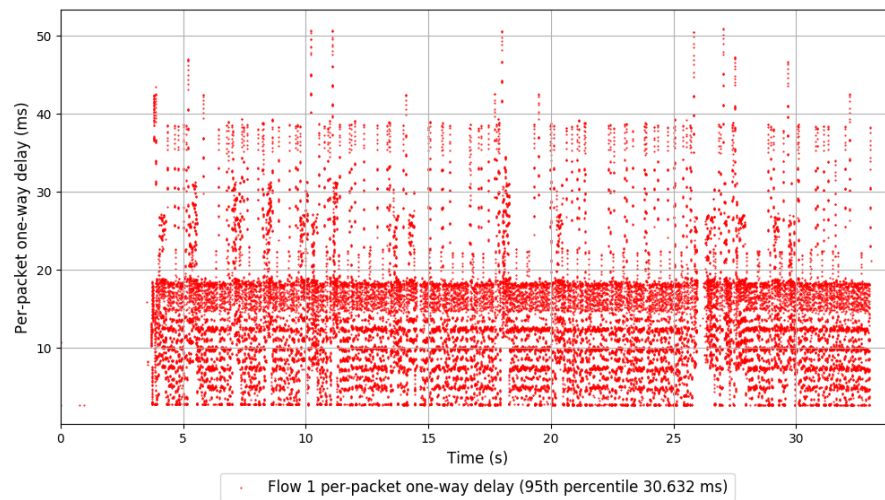
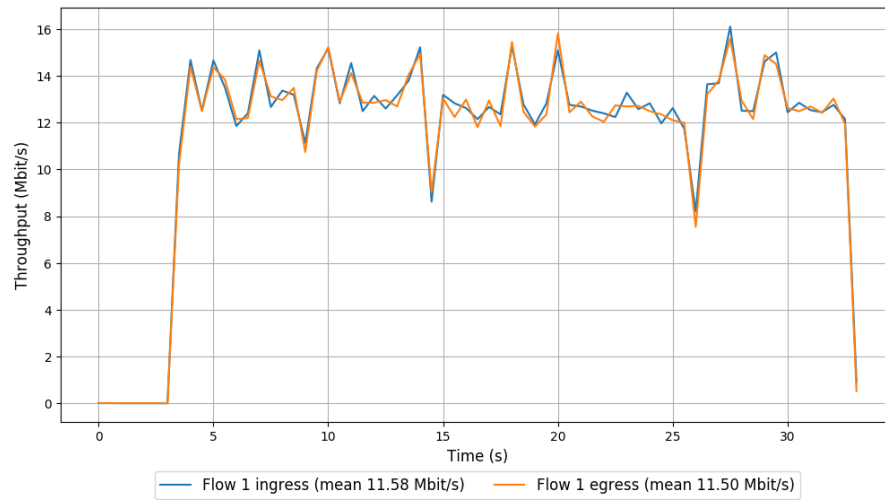
-- Flow 1:

Average throughput: 11.50 Mbit/s

95th percentile per-packet one-way delay: 30.632 ms

Loss rate: 0.66%

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



Run 4: Statistics of QUIC Cubic (toy)

Start at: Fri, 16 Jun 2017 03:06:56 +0000

End at: Fri, 16 Jun 2017 03:07:26 +0000

Local clock offset: -0.023 ms

Remote clock offset: -1.401 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:32:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 28.517 ms

Loss rate: 0.32%

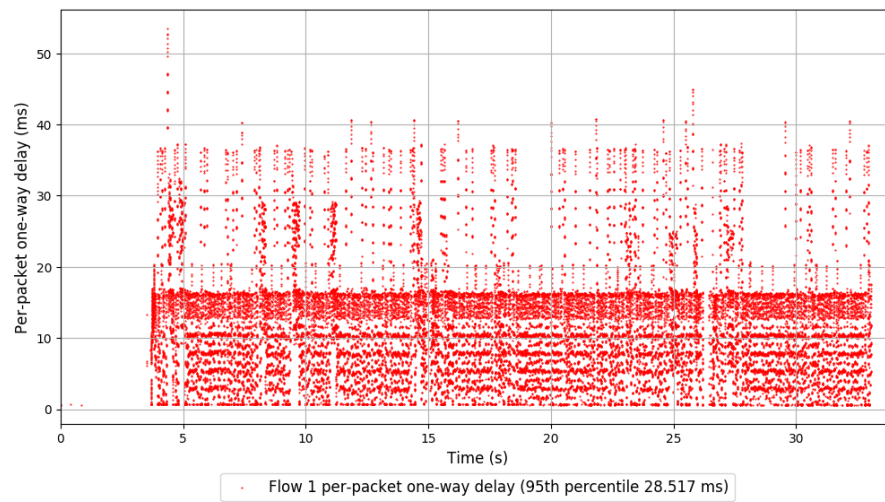
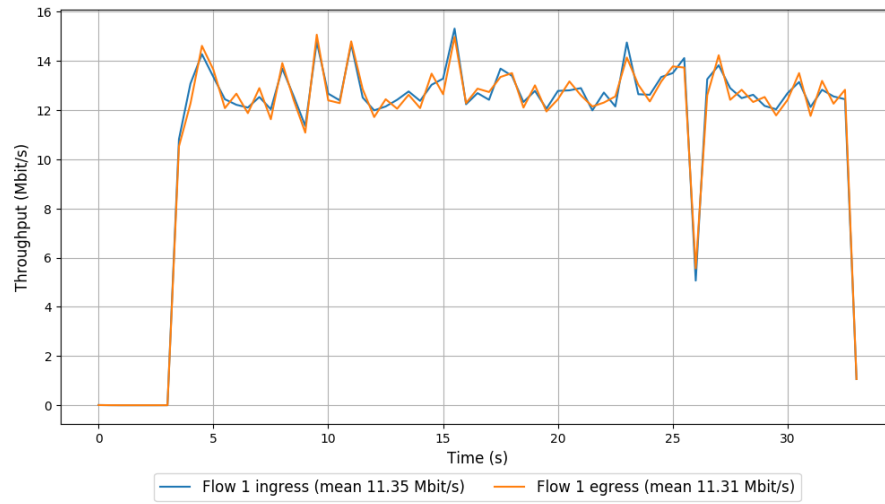
-- Flow 1:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 28.517 ms

Loss rate: 0.32%

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



Run 5: Statistics of QUIC Cubic (toy)

Start at: Fri, 16 Jun 2017 03:25:38 +0000

End at: Fri, 16 Jun 2017 03:26:08 +0000

Local clock offset: 1.056 ms

Remote clock offset: -2.184 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:32:45 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.92 Mbit/s

95th percentile per-packet one-way delay: 29.479 ms

Loss rate: 1.62%

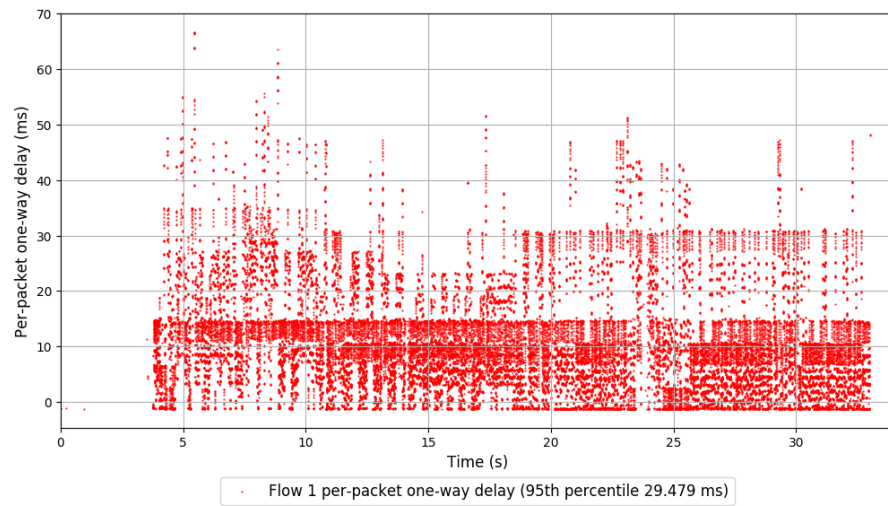
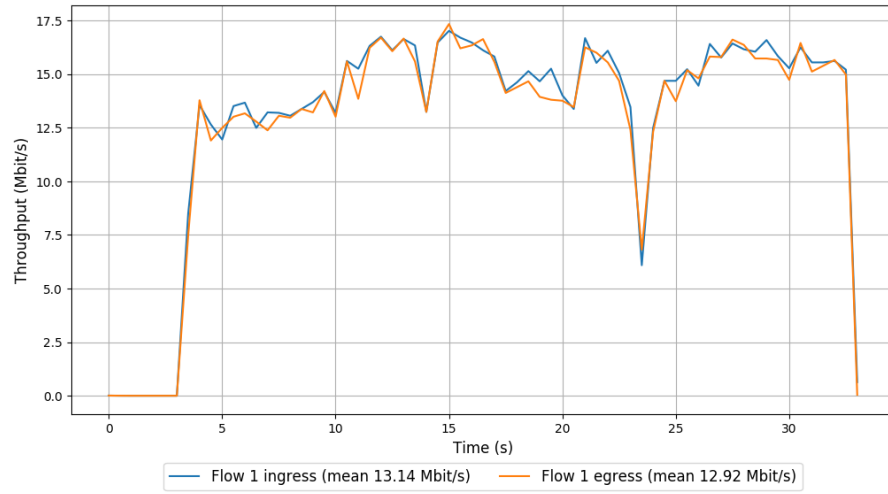
-- Flow 1:

Average throughput: 12.92 Mbit/s

95th percentile per-packet one-way delay: 29.479 ms

Loss rate: 1.62%

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



Run 6: Statistics of QUIC Cubic (toy)

Start at: Fri, 16 Jun 2017 03:43:55 +0000

End at: Fri, 16 Jun 2017 03:44:25 +0000

Local clock offset: -3.877 ms

Remote clock offset: -2.805 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:32:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.56 Mbit/s

95th percentile per-packet one-way delay: 32.341 ms

Loss rate: 0.63%

-- Flow 1:

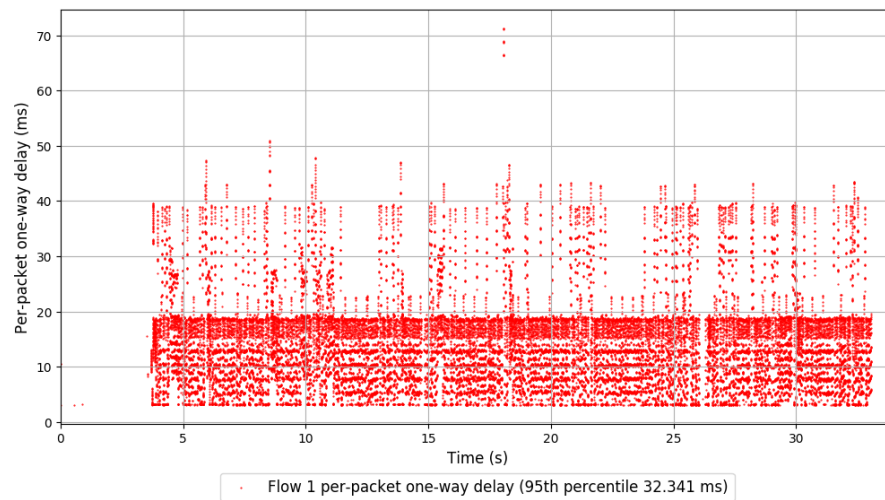
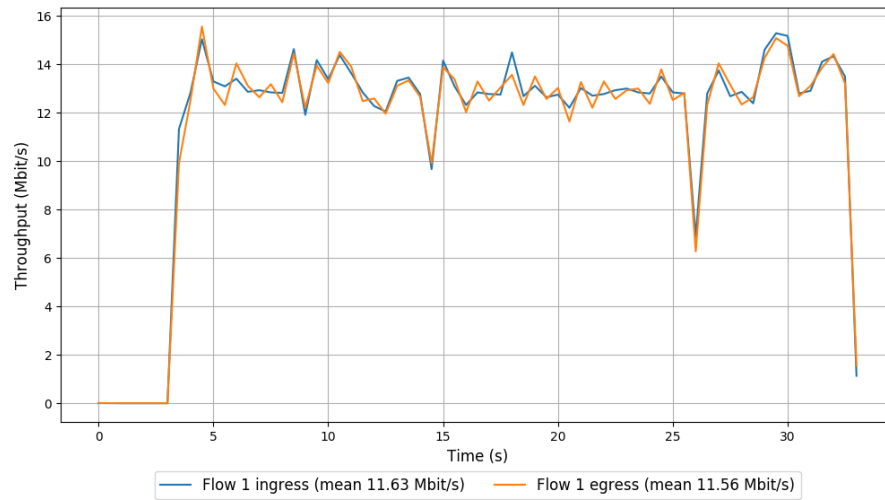
Average throughput: 11.56 Mbit/s

95th percentile per-packet one-way delay: 32.341 ms

Loss rate: 0.63%



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



Run 7: Statistics of QUIC Cubic (toy)

Start at: Fri, 16 Jun 2017 04:02:27 +0000

End at: Fri, 16 Jun 2017 04:02:57 +0000

Local clock offset: -3.762 ms

Remote clock offset: -3.287 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:32:58 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.39 Mbit/s

95th percentile per-packet one-way delay: 32.780 ms

Loss rate: 0.89%

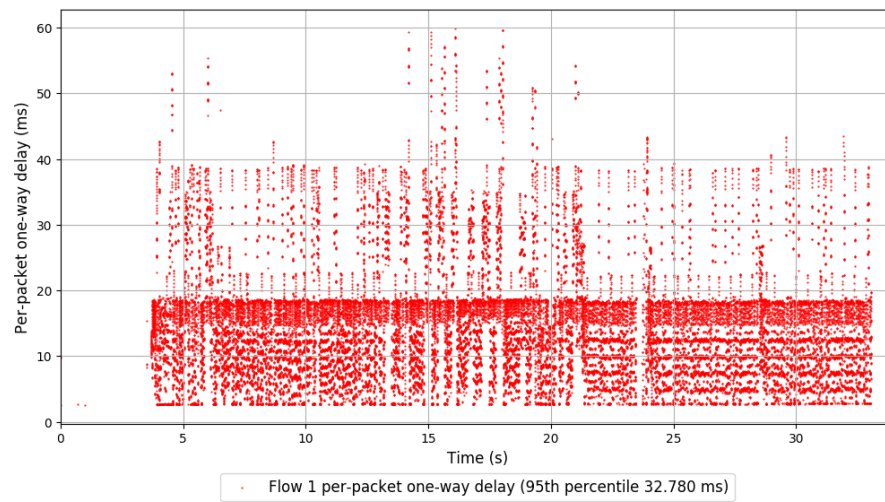
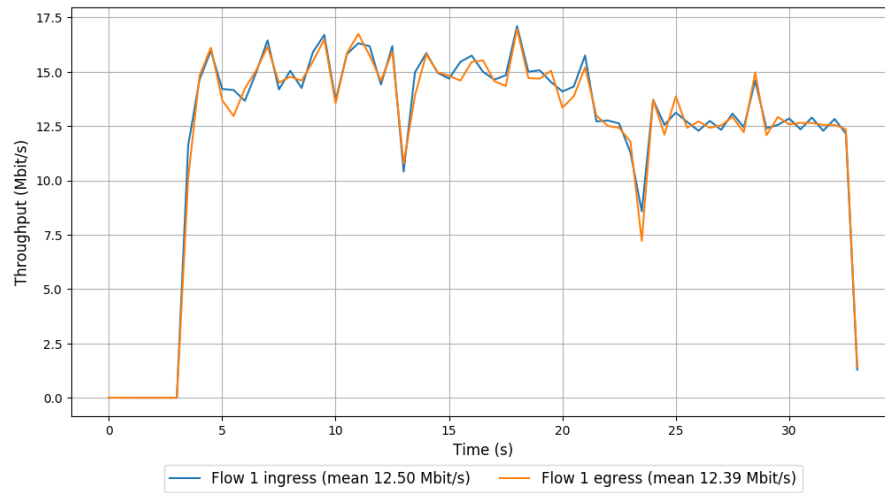
-- Flow 1:

Average throughput: 12.39 Mbit/s

95th percentile per-packet one-way delay: 32.780 ms

Loss rate: 0.89%

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



Run 8: Statistics of QUIC Cubic (toy)

Start at: Fri, 16 Jun 2017 04:20:48 +0000

End at: Fri, 16 Jun 2017 04:21:18 +0000

Local clock offset: -5.842 ms

Remote clock offset: -3.113 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:33:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.24 Mbit/s

95th percentile per-packet one-way delay: 32.491 ms

Loss rate: 1.65%

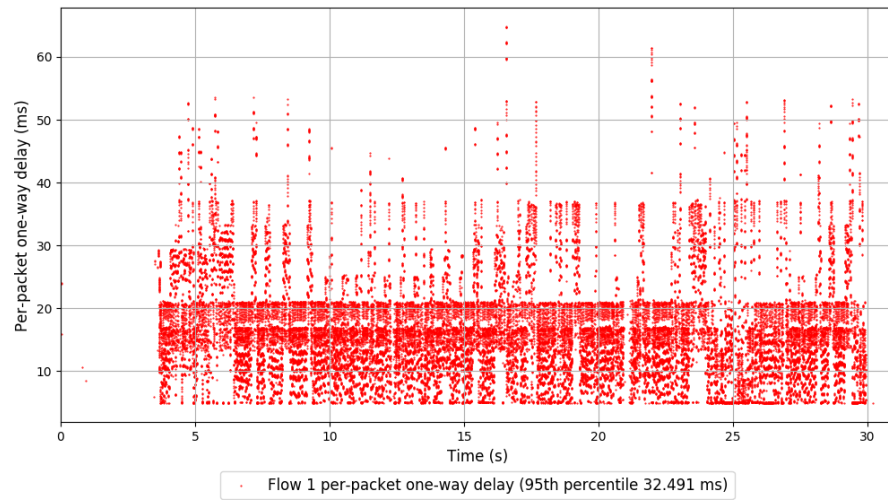
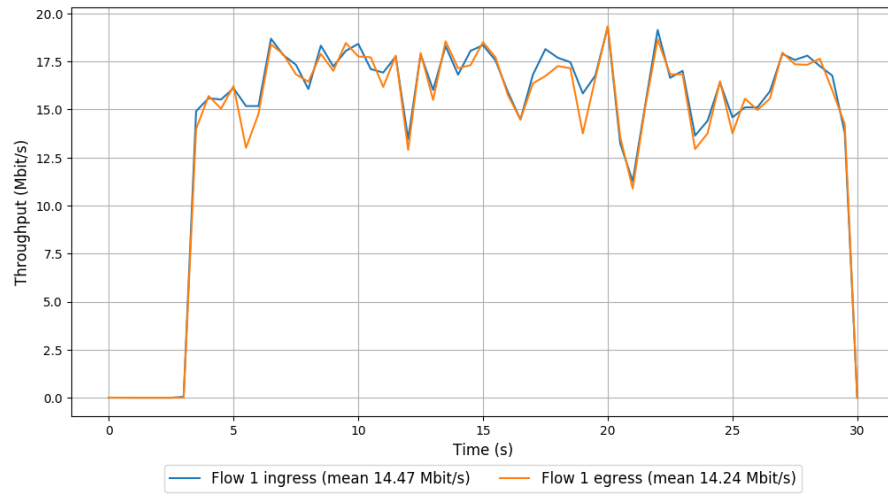
-- Flow 1:

Average throughput: 14.24 Mbit/s

95th percentile per-packet one-way delay: 32.491 ms

Loss rate: 1.65%

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



Run 9: Statistics of QUIC Cubic (toy)

Start at: Fri, 16 Jun 2017 04:38:48 +0000

End at: Fri, 16 Jun 2017 04:39:18 +0000

Local clock offset: -5.835 ms

Remote clock offset: -2.918 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:33:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.90 Mbit/s

95th percentile per-packet one-way delay: 30.830 ms

Loss rate: 0.76%

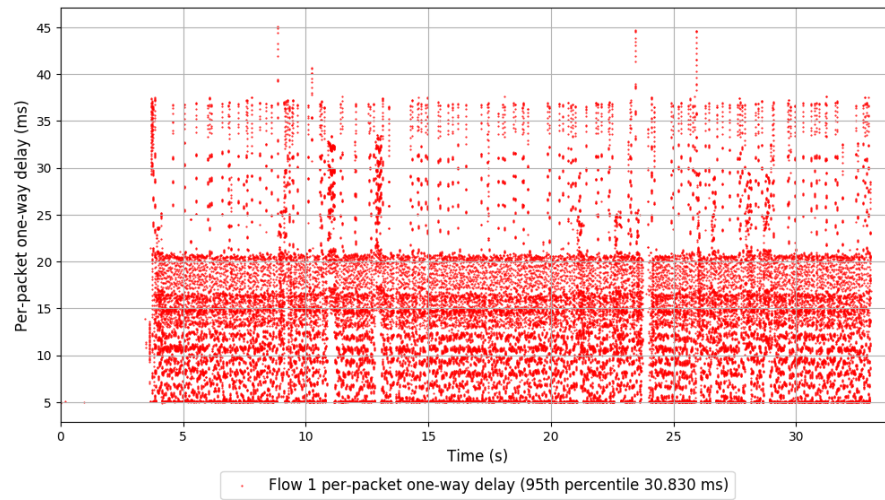
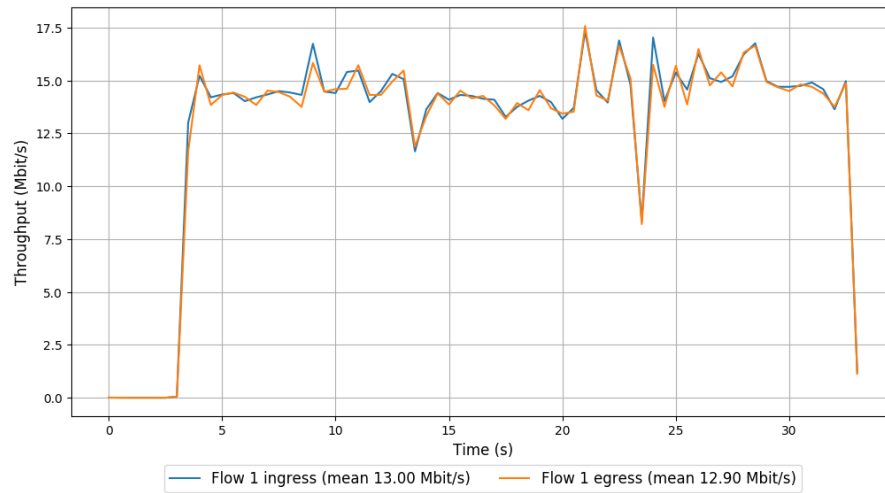
-- Flow 1:

Average throughput: 12.90 Mbit/s

95th percentile per-packet one-way delay: 30.830 ms

Loss rate: 0.76%

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



Run 10: Statistics of QUIC Cubic (toy)

Start at: Fri, 16 Jun 2017 04:57:18 +0000

End at: Fri, 16 Jun 2017 04:57:48 +0000

Local clock offset: -5.849 ms

Remote clock offset: -2.747 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:33:14 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.69 Mbit/s

95th percentile per-packet one-way delay: 35.771 ms

Loss rate: 0.96%

-- Flow 1:

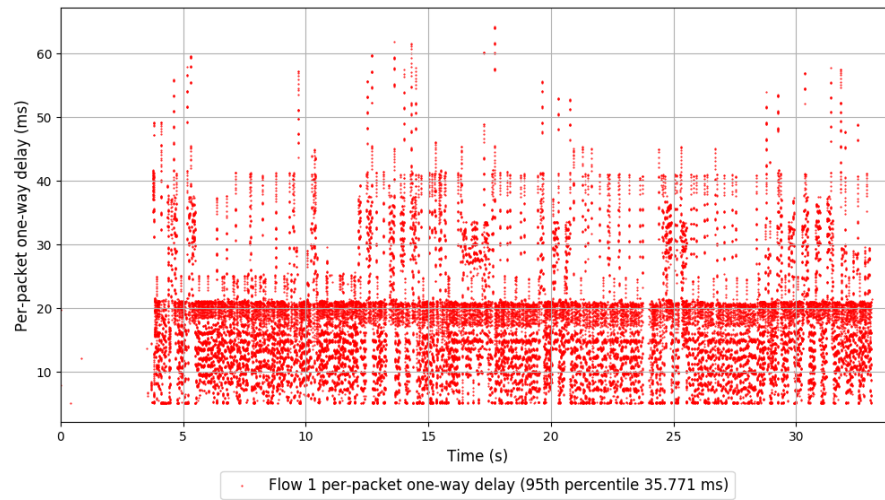
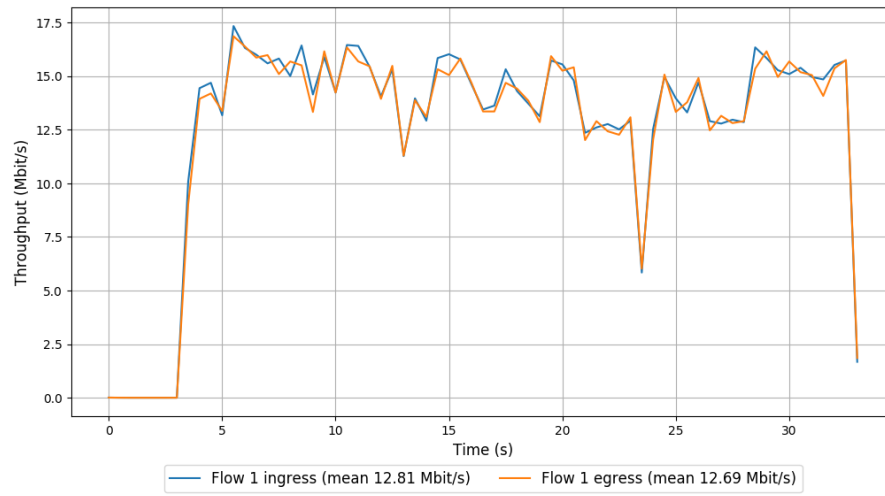
Average throughput: 12.69 Mbit/s

95th percentile per-packet one-way delay: 35.771 ms

Loss rate: 0.96%



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



Run 1: Statistics of Saturator

Start at: Fri, 16 Jun 2017 02:26:27 +0000

End at: Fri, 16 Jun 2017 02:26:57 +0000

Local clock offset: -3.581 ms

Remote clock offset: 1.491 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:33:42 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.23 Mbit/s

95th percentile per-packet one-way delay: 28.701 ms

Loss rate: 40.68%

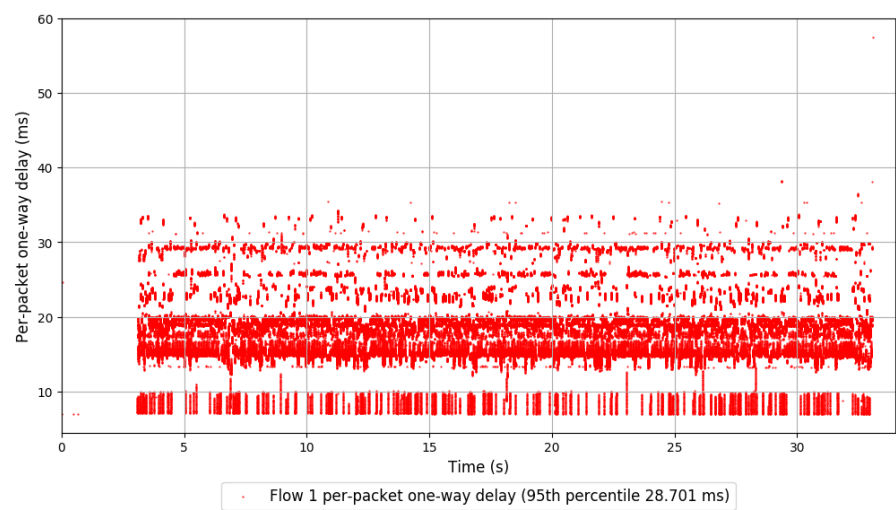
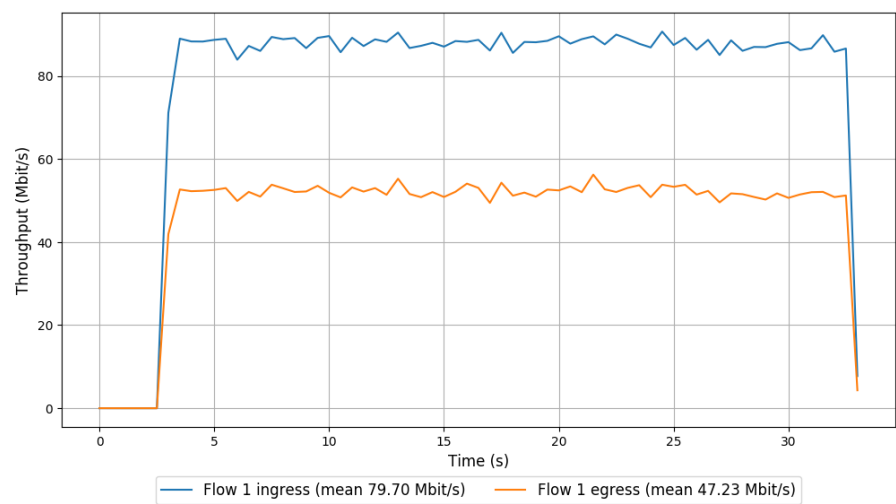
-- Flow 1:

Average throughput: 47.23 Mbit/s

95th percentile per-packet one-way delay: 28.701 ms

Loss rate: 40.68%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Fri, 16 Jun 2017 02:44:35 +0000

End at: Fri, 16 Jun 2017 02:45:05 +0000

Local clock offset: -1.323 ms

Remote clock offset: 0.041 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:33:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.75 Mbit/s

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

Loss rate: 38.50%

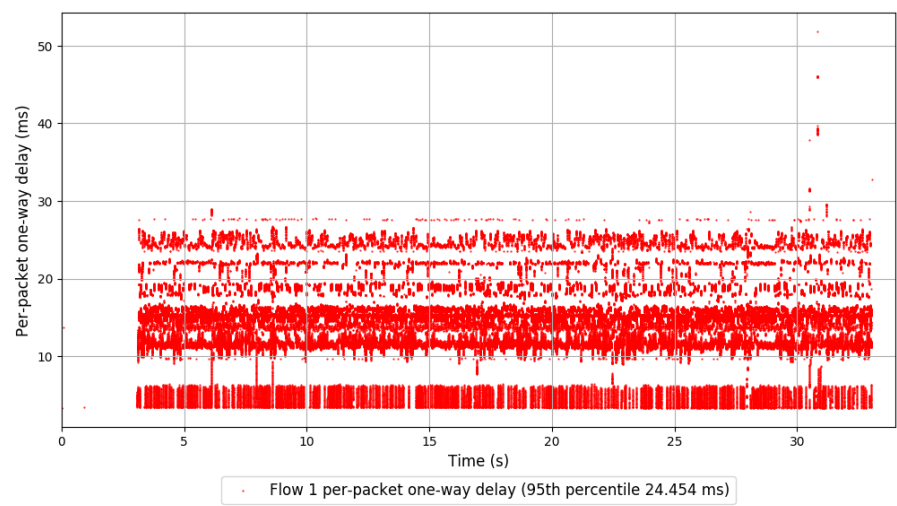
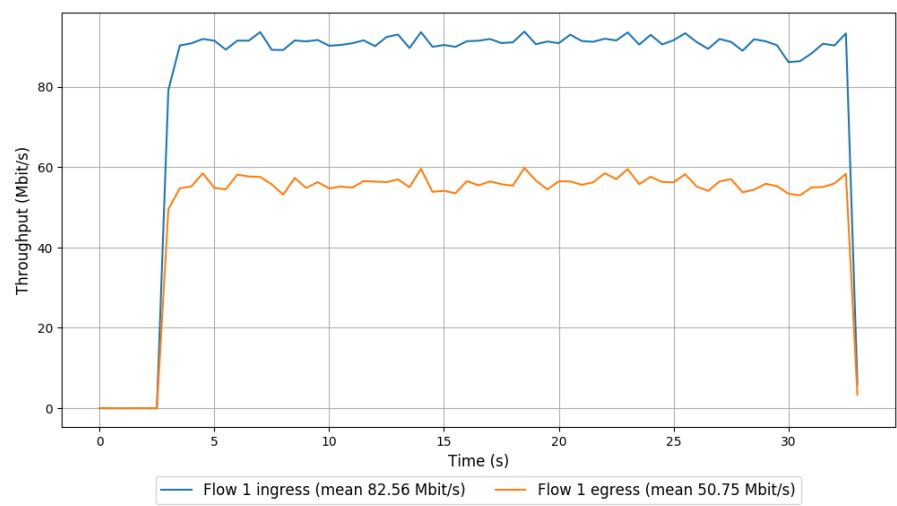
-- Flow 1:

Average throughput: 50.75 Mbit/s

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

Loss rate: 38.50%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Fri, 16 Jun 2017 03:03:04 +0000

End at: Fri, 16 Jun 2017 03:03:34 +0000

Local clock offset: -0.29 ms

Remote clock offset: -1.261 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:34:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.35 Mbit/s

95th percentile per-packet one-way delay: 22.561 ms

Loss rate: 36.70%

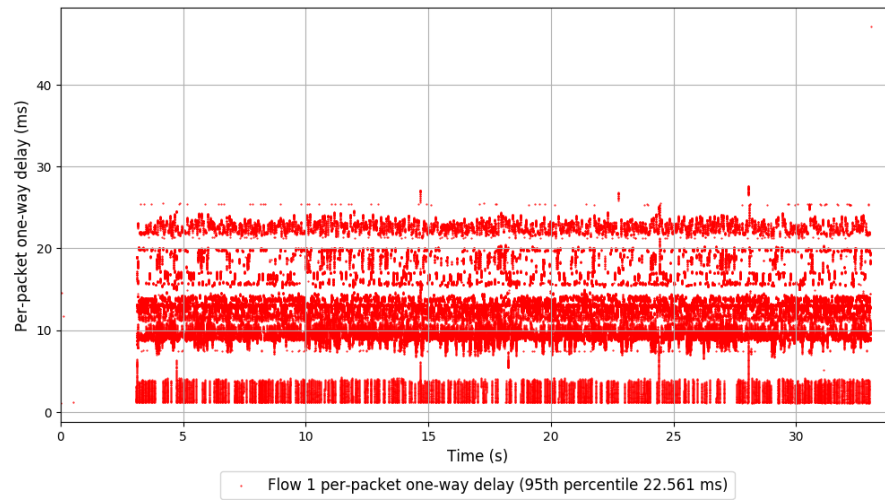
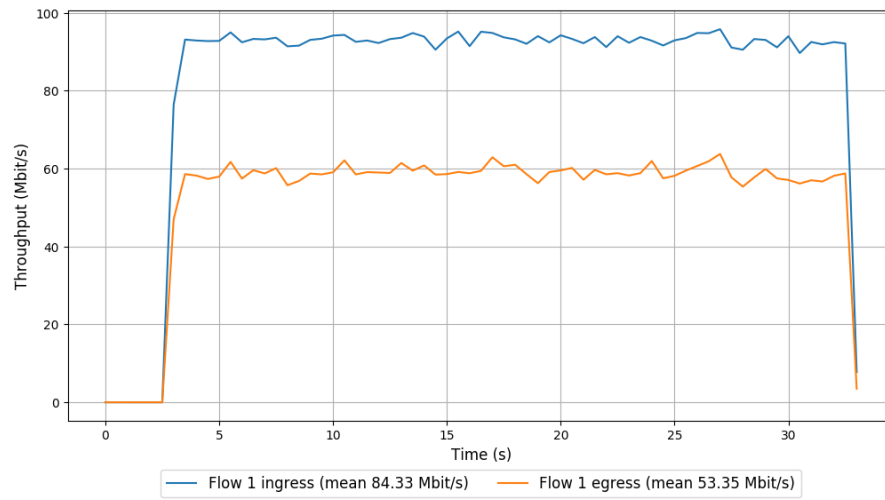
-- Flow 1:

Average throughput: 53.35 Mbit/s

95th percentile per-packet one-way delay: 22.561 ms

Loss rate: 36.70%

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



Run 4: Statistics of Saturator

Start at: Fri, 16 Jun 2017 03:21:44 +0000

End at: Fri, 16 Jun 2017 03:22:14 +0000

Local clock offset: 0.864 ms

Remote clock offset: -2.082 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:34:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.59 Mbit/s

95th percentile per-packet one-way delay: 20.806 ms

Loss rate: 39.86%

-- Flow 1:

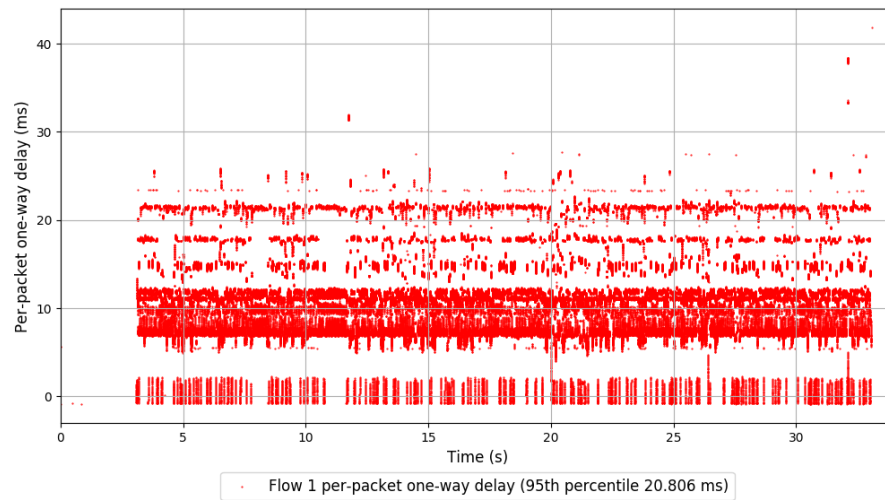
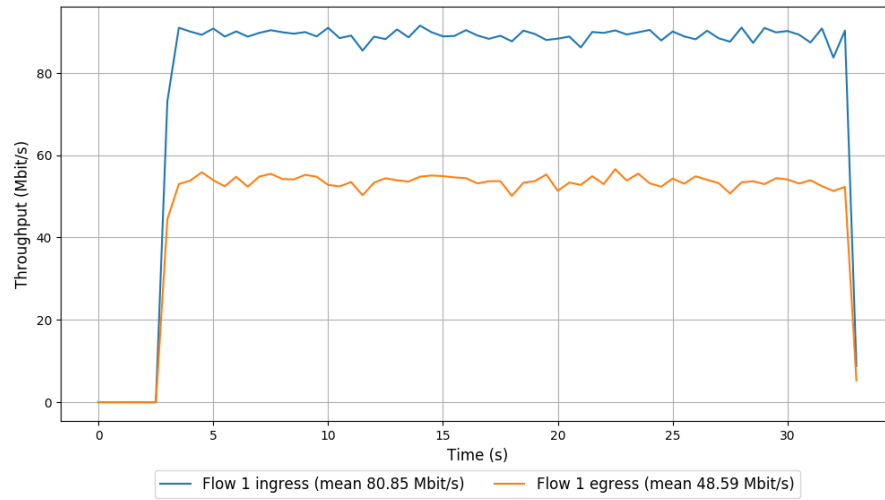
Average throughput: 48.59 Mbit/s

95th percentile per-packet one-way delay: 20.806 ms

Loss rate: 39.86%



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



Run 5: Statistics of Saturator

Start at: Fri, 16 Jun 2017 03:39:44 +0000

End at: Fri, 16 Jun 2017 03:40:14 +0000

Local clock offset: -3.546 ms

Remote clock offset: -2.685 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:34:50 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.83 Mbit/s

95th percentile per-packet one-way delay: 24.207 ms

Loss rate: 38.46%

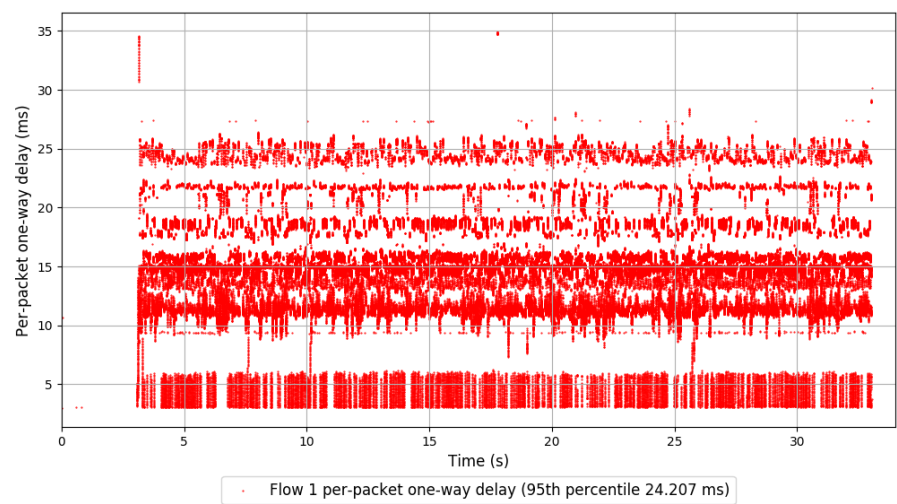
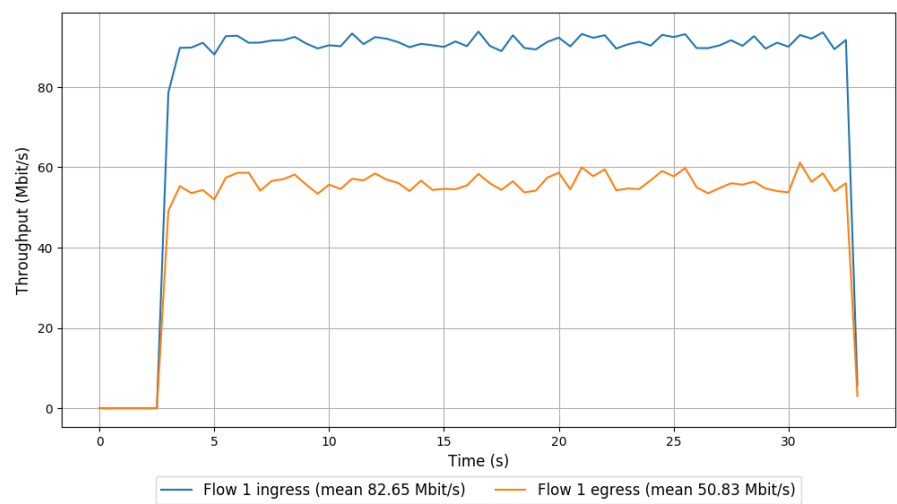
-- Flow 1:

Average throughput: 50.83 Mbit/s

95th percentile per-packet one-way delay: 24.207 ms

Loss rate: 38.46%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Fri, 16 Jun 2017 03:58:29 +0000

End at: Fri, 16 Jun 2017 03:58:59 +0000

Local clock offset: -3.778 ms

Remote clock offset: -3.224 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:34:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.28 Mbit/s

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

Loss rate: 40.75%

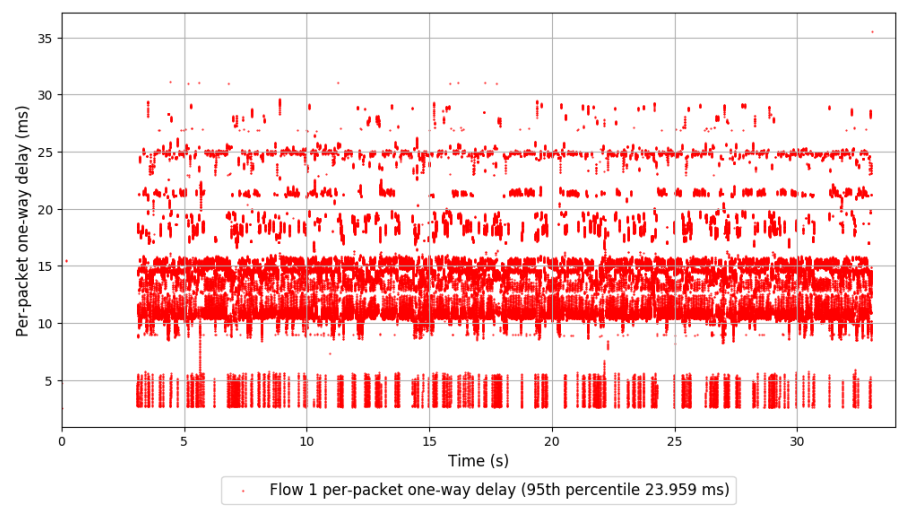
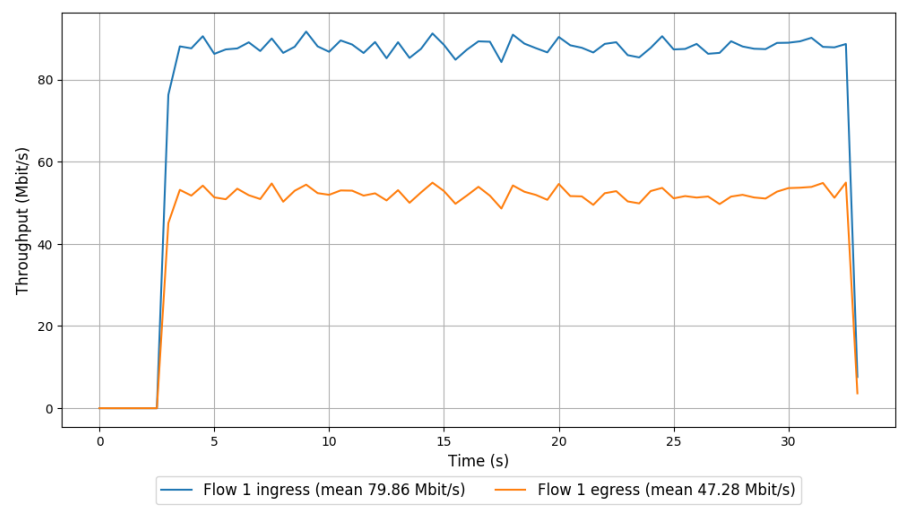
-- Flow 1:

Average throughput: 47.28 Mbit/s

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

Loss rate: 40.75%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Fri, 16 Jun 2017 04:16:51 +0000

End at: Fri, 16 Jun 2017 04:17:21 +0000

Local clock offset: -5.611 ms

Remote clock offset: -3.12 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:35:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.26 Mbit/s

95th percentile per-packet one-way delay: 26.524 ms

Loss rate: 41.93%

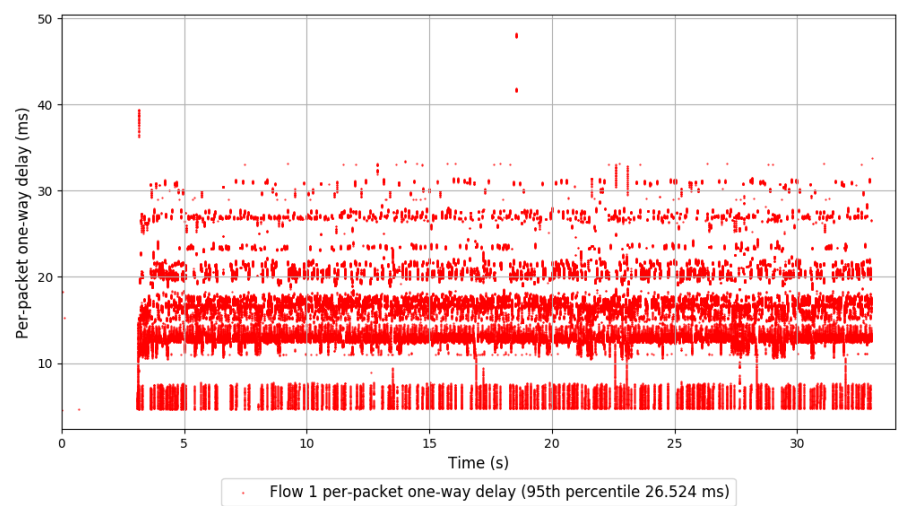
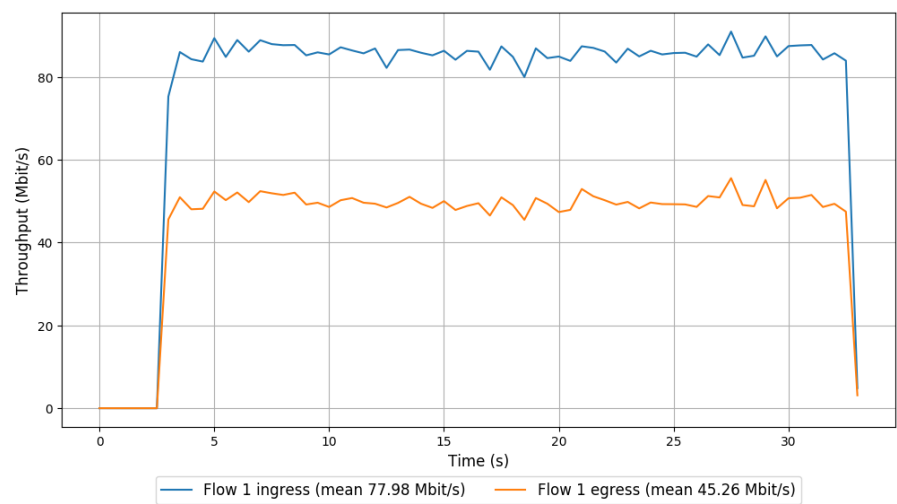
-- Flow 1:

Average throughput: 45.26 Mbit/s

95th percentile per-packet one-way delay: 26.524 ms

Loss rate: 41.93%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Fri, 16 Jun 2017 04:34:40 +0000

End at: Fri, 16 Jun 2017 04:35:10 +0000

Local clock offset: -6.049 ms

Remote clock offset: -2.983 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:35:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.88 Mbit/s

95th percentile per-packet one-way delay: 26.465 ms

Loss rate: 43.35%

-- Flow 1:

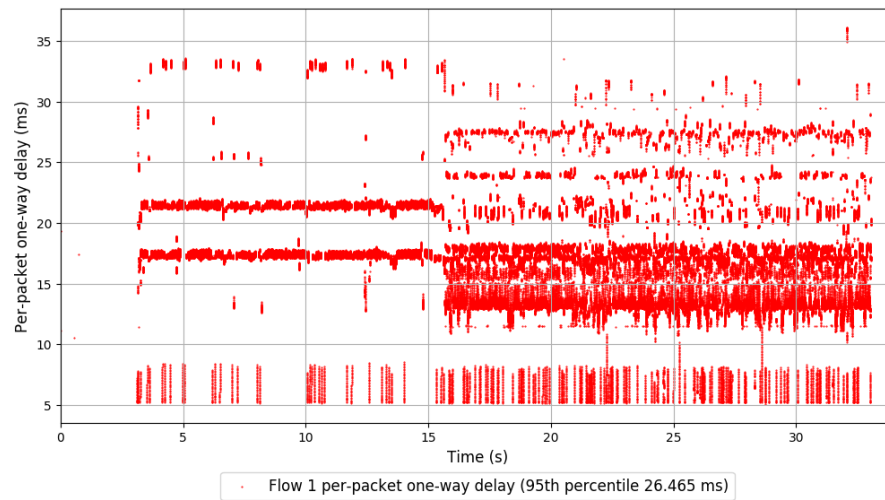
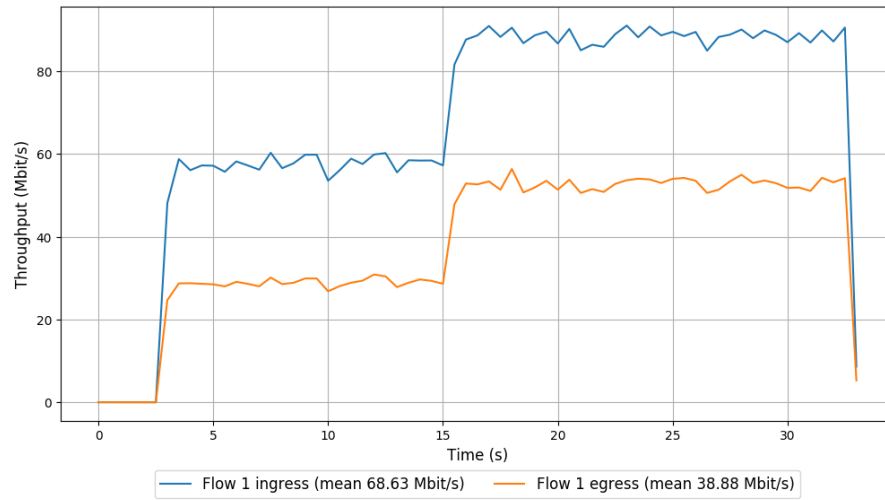
Average throughput: 38.88 Mbit/s

95th percentile per-packet one-way delay: 26.465 ms

Loss rate: 43.35%



## Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Fri, 16 Jun 2017 04:53:13 +0000

End at: Fri, 16 Jun 2017 04:53:44 +0000

Local clock offset: -5.841 ms

Remote clock offset: -2.805 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:35:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.38 Mbit/s

95th percentile per-packet one-way delay: 26.349 ms

Loss rate: 38.76%

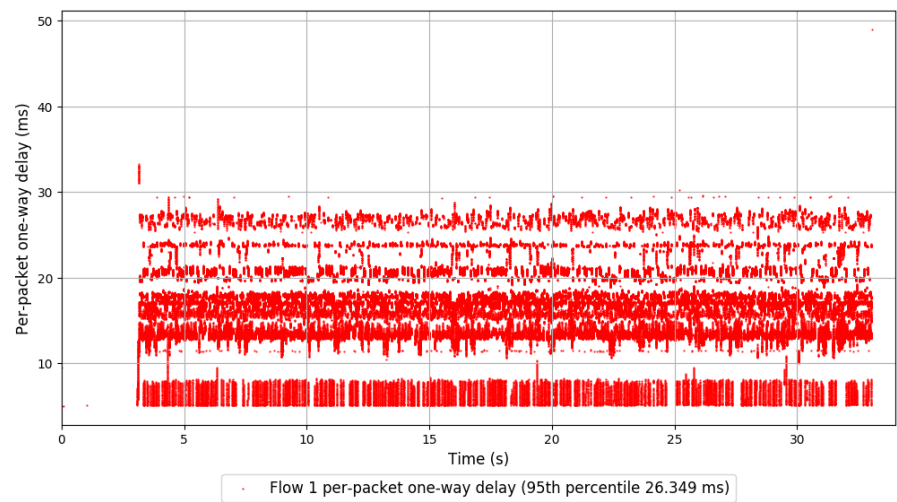
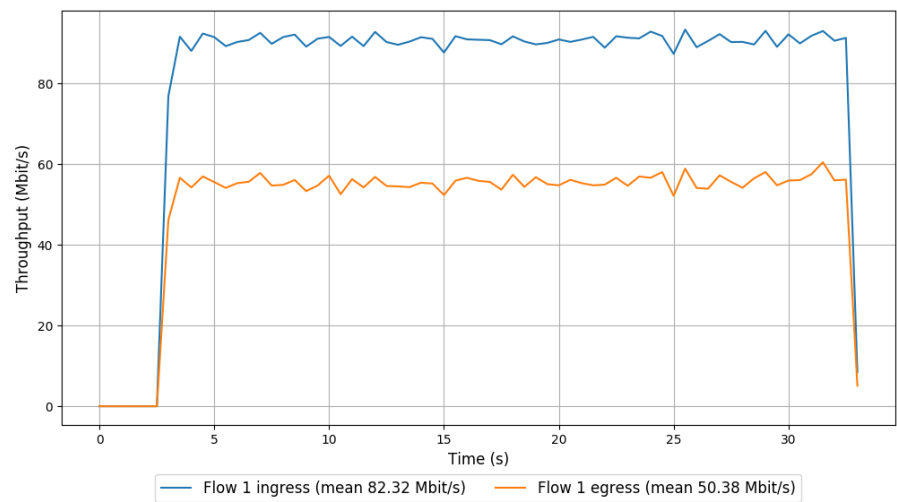
-- Flow 1:

Average throughput: 50.38 Mbit/s

95th percentile per-packet one-way delay: 26.349 ms

Loss rate: 38.76%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Fri, 16 Jun 2017 05:11:53 +0000

End at: Fri, 16 Jun 2017 05:12:23 +0000

Local clock offset: -5.196 ms

Remote clock offset: -2.678 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:35:56 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.81 Mbit/s

95th percentile per-packet one-way delay: 26.073 ms

Loss rate: 40.33%

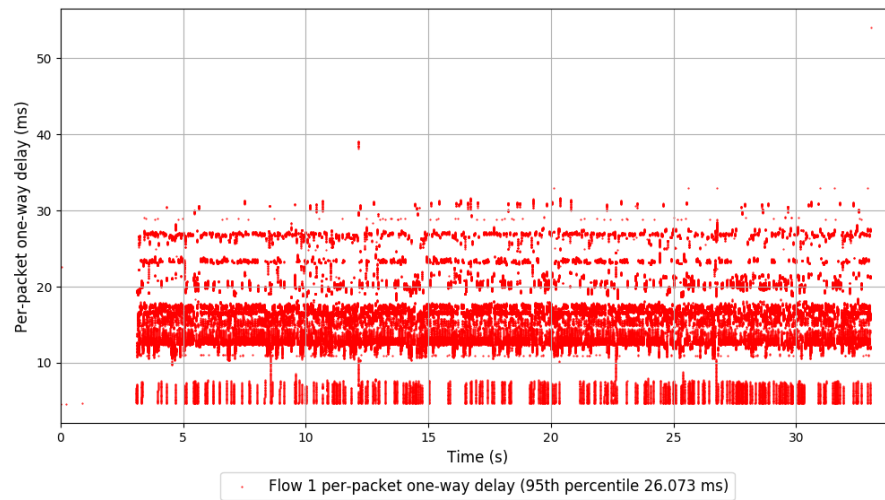
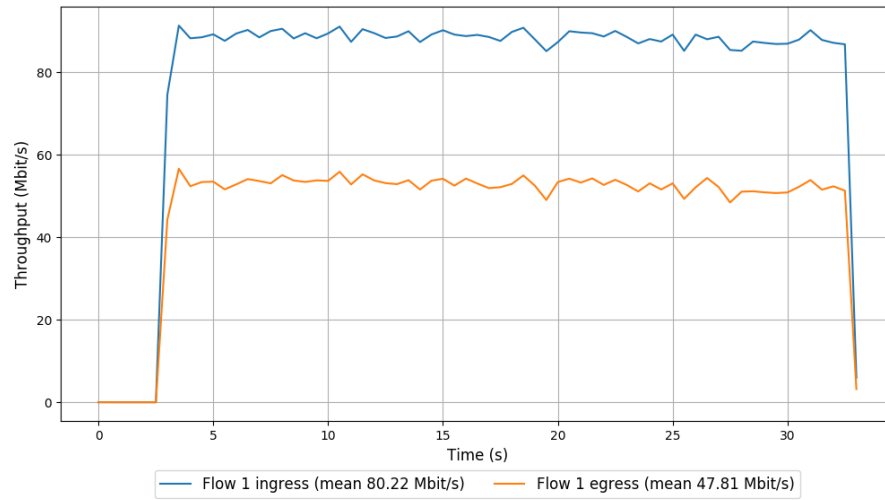
-- Flow 1:

Average throughput: 47.81 Mbit/s

95th percentile per-packet one-way delay: 26.073 ms

Loss rate: 40.33%

# Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 02:17:42 +0000

End at: Fri, 16 Jun 2017 02:18:12 +0000

Local clock offset: -8.308 ms

Remote clock offset: 2.113 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:35:56 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 12.598 ms

Loss rate: 0.00%

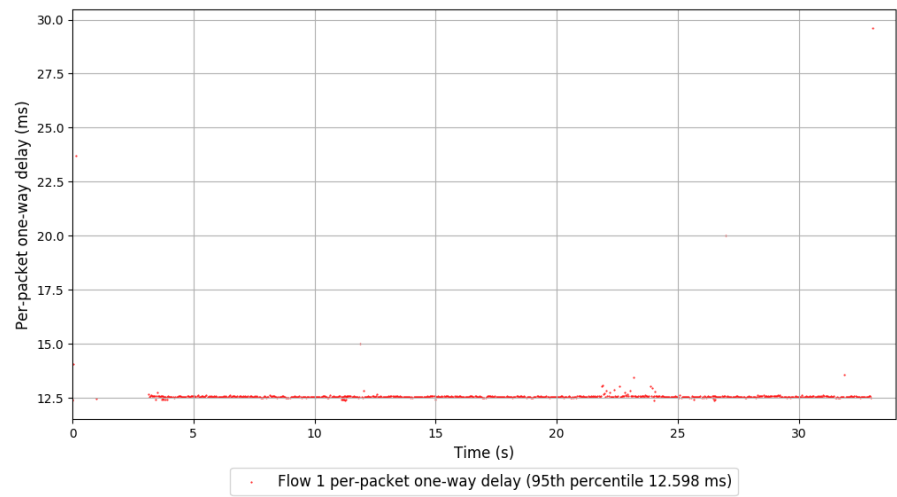
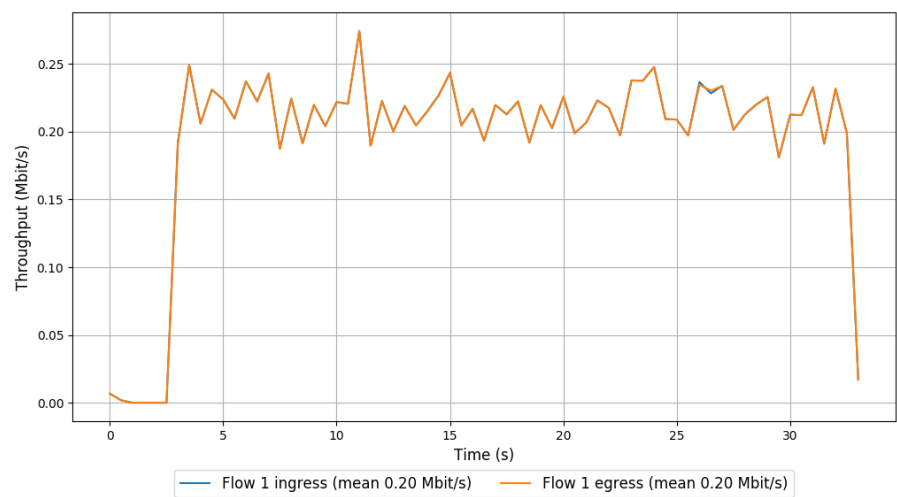
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 12.598 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 02:36:07 +0000

End at: Fri, 16 Jun 2017 02:36:37 +0000

Local clock offset: -2.327 ms

Remote clock offset: 0.665 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:36:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 16.350 ms

Loss rate: 0.13%

-- Flow 1:

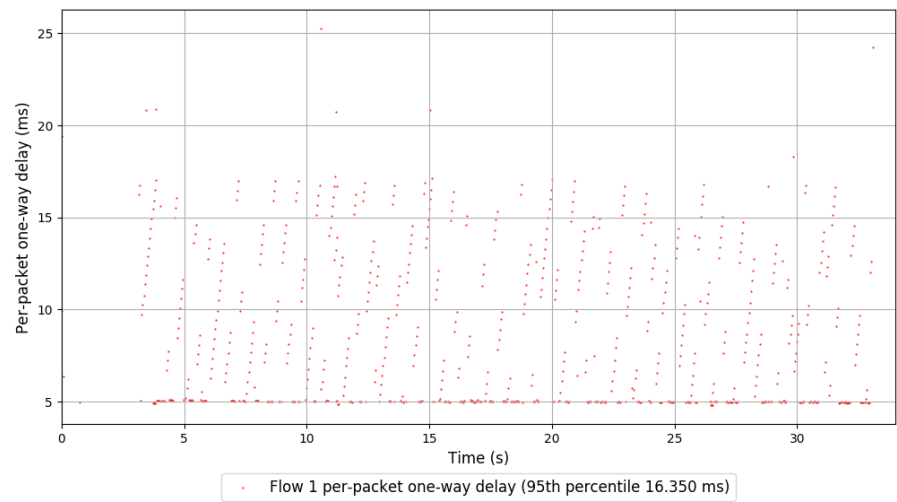
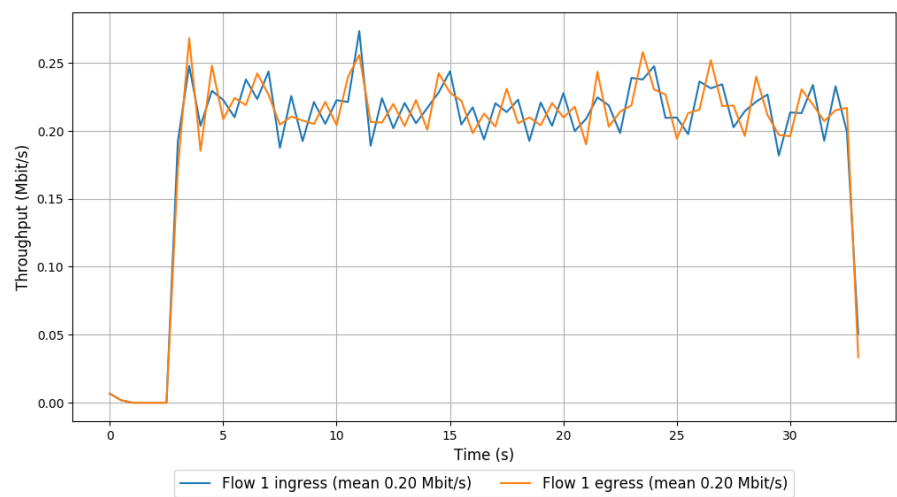
Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 16.350 ms

Loss rate: 0.13%



Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 02:54:22 +0000

End at: Fri, 16 Jun 2017 02:54:52 +0000

Local clock offset: -0.375 ms

Remote clock offset: -0.636 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:36:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 12.450 ms

Loss rate: 0.00%

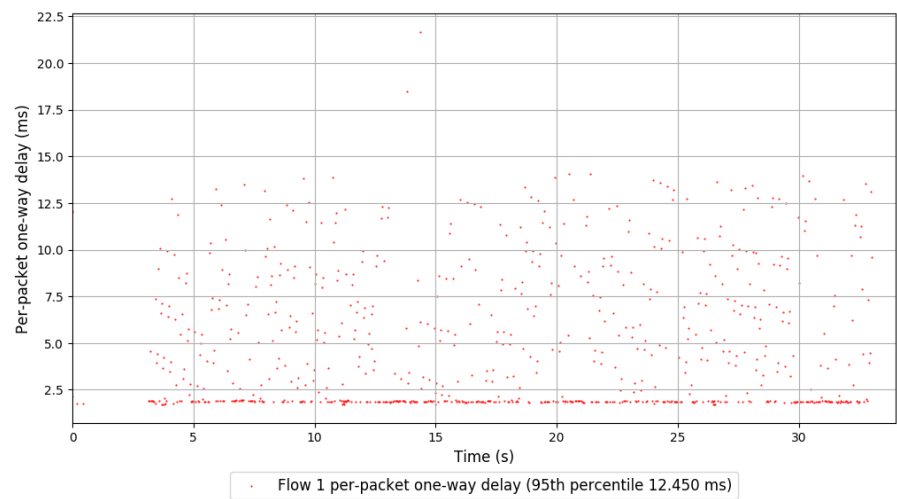
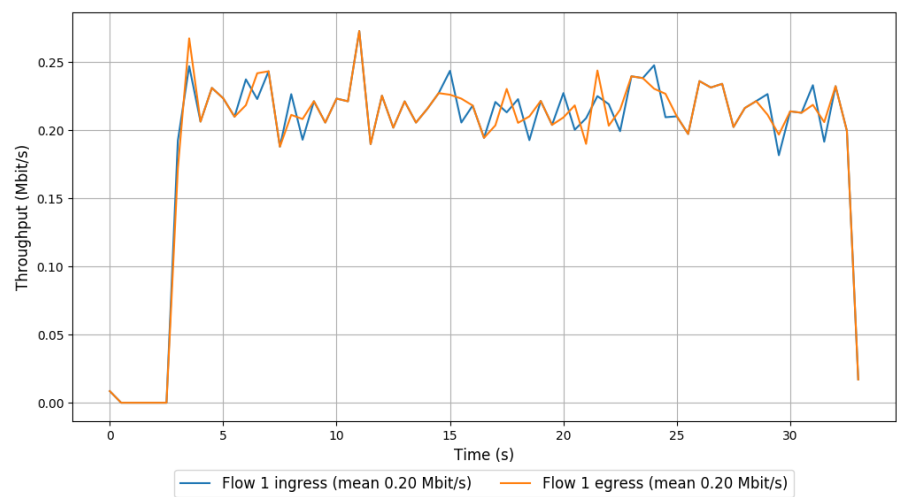
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 12.450 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 03:13:00 +0000

End at: Fri, 16 Jun 2017 03:13:30 +0000

Local clock offset: 0.346 ms

Remote clock offset: -1.769 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:36:07 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.027 ms

Loss rate: 0.00%

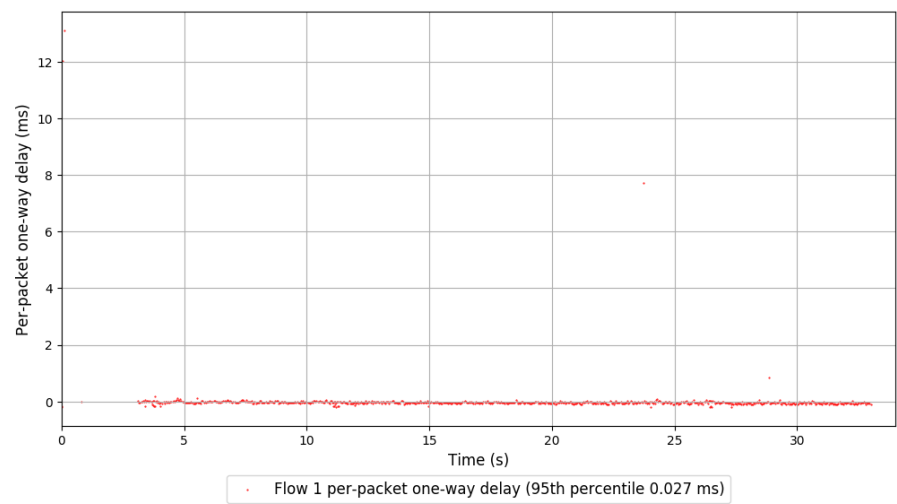
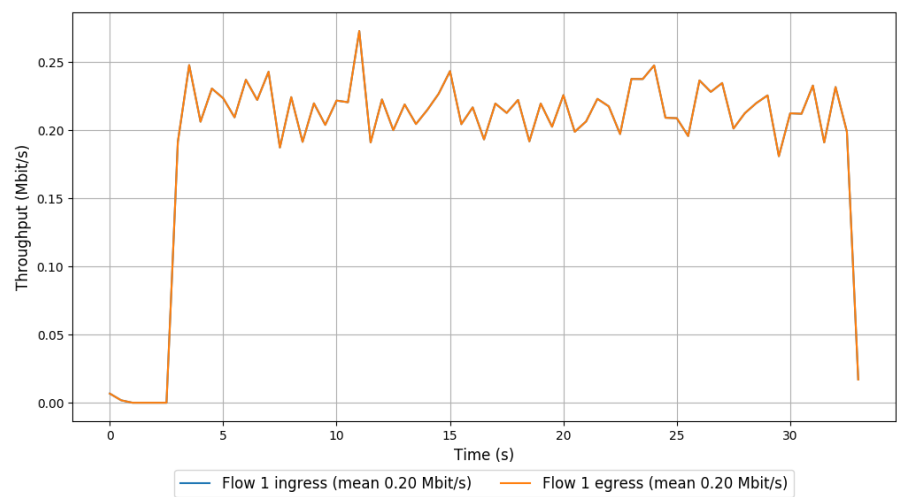
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 0.027 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 03:31:17 +0000

End at: Fri, 16 Jun 2017 03:31:47 +0000

Local clock offset: -1.371 ms

Remote clock offset: -2.412 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:36:07 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 11.768 ms

Loss rate: 0.00%

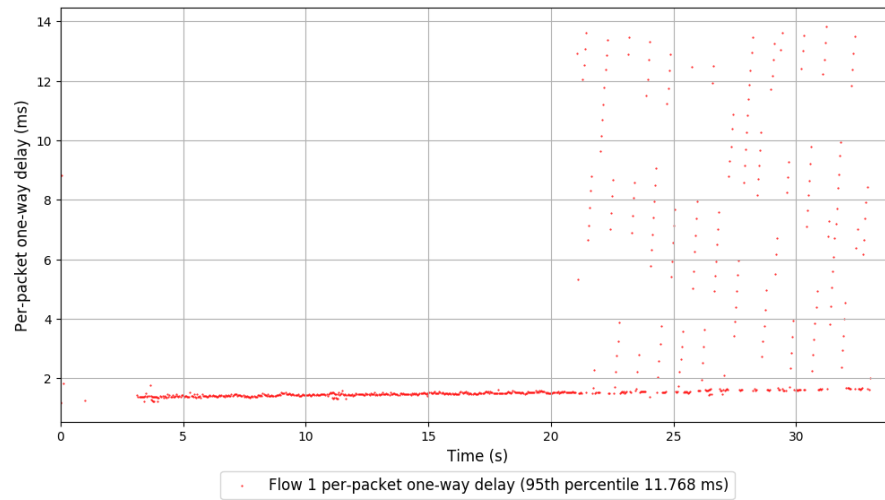
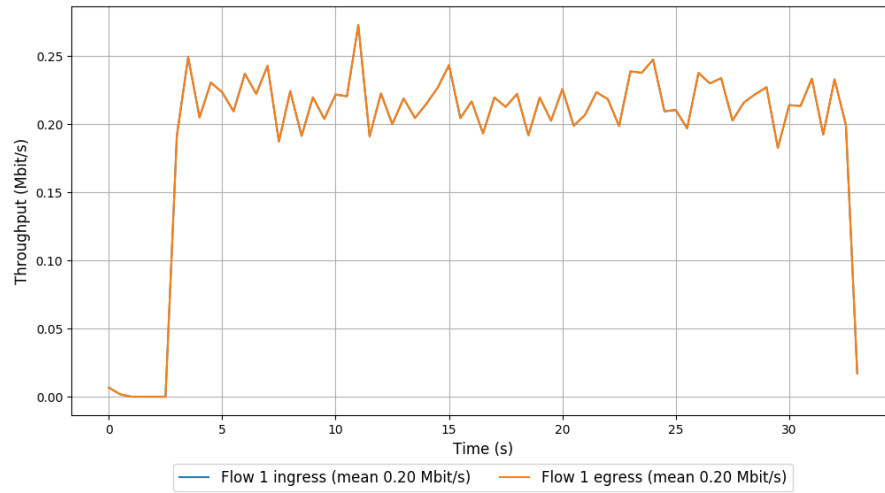
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 11.768 ms

Loss rate: 0.00%

## Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 03:49:48 +0000

End at: Fri, 16 Jun 2017 03:50:18 +0000

Local clock offset: -3.959 ms

Remote clock offset: -3.021 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:36:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 9.366 ms

Loss rate: 0.13%

-- Flow 1:

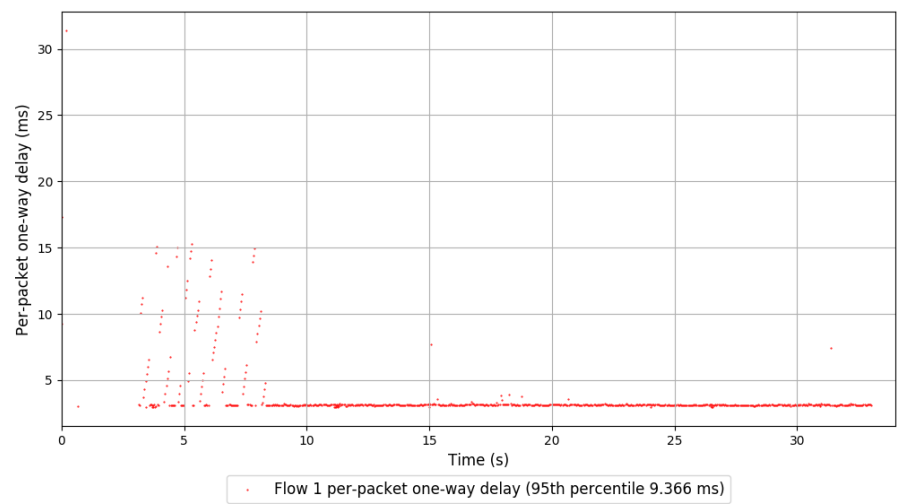
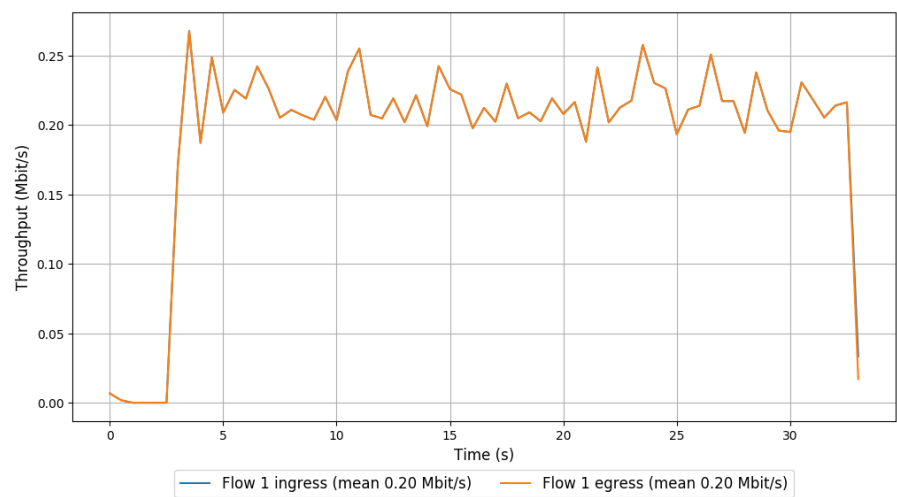
Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 9.366 ms

Loss rate: 0.13%



Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 04:08:10 +0000

End at: Fri, 16 Jun 2017 04:08:40 +0000

Local clock offset: -5.065 ms

Remote clock offset: -3.292 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:36:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 14.328 ms

Loss rate: 0.00%

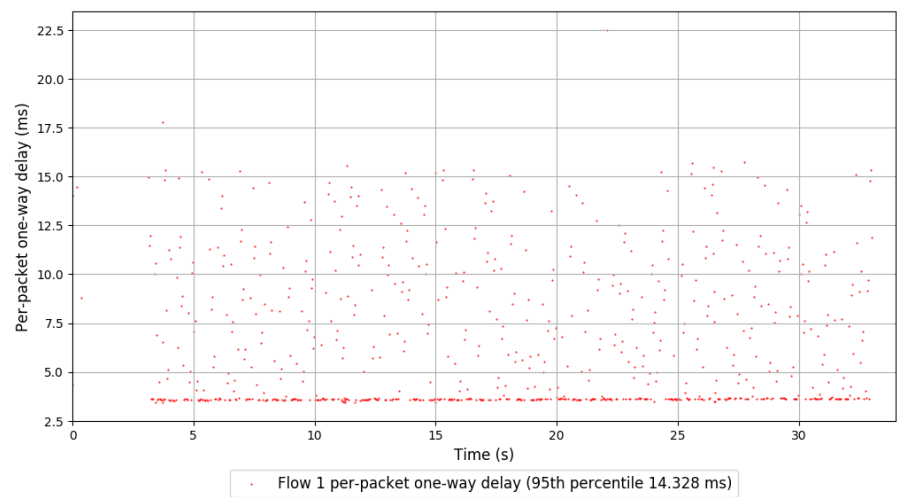
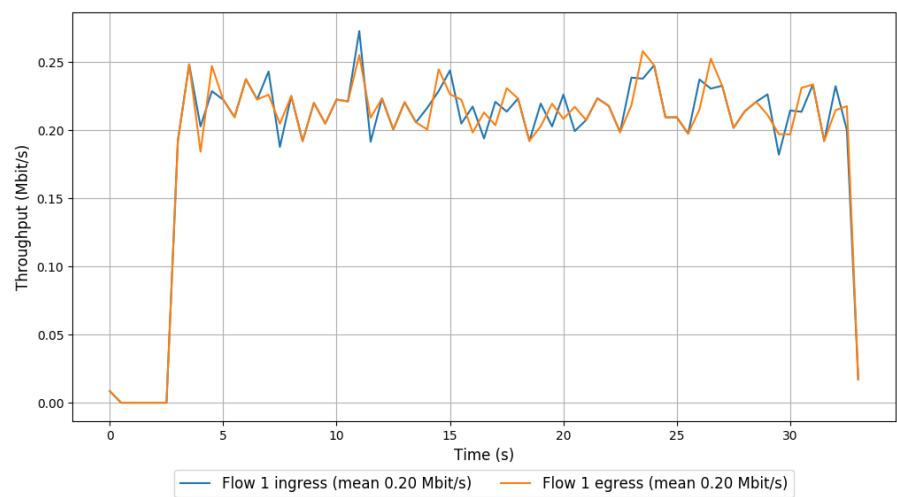
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 14.328 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 04:26:23 +0000

End at: Fri, 16 Jun 2017 04:26:53 +0000

Local clock offset: -5.877 ms

Remote clock offset: -3.057 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:36:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 5.098 ms

Loss rate: 0.00%

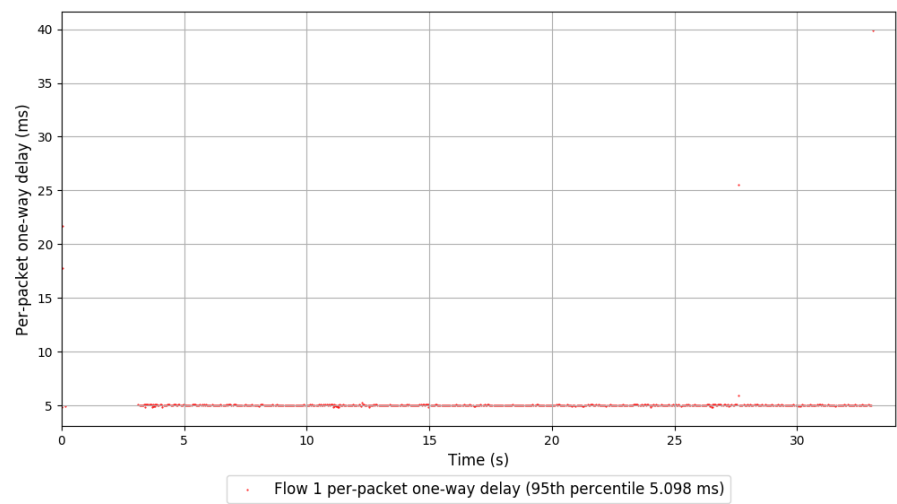
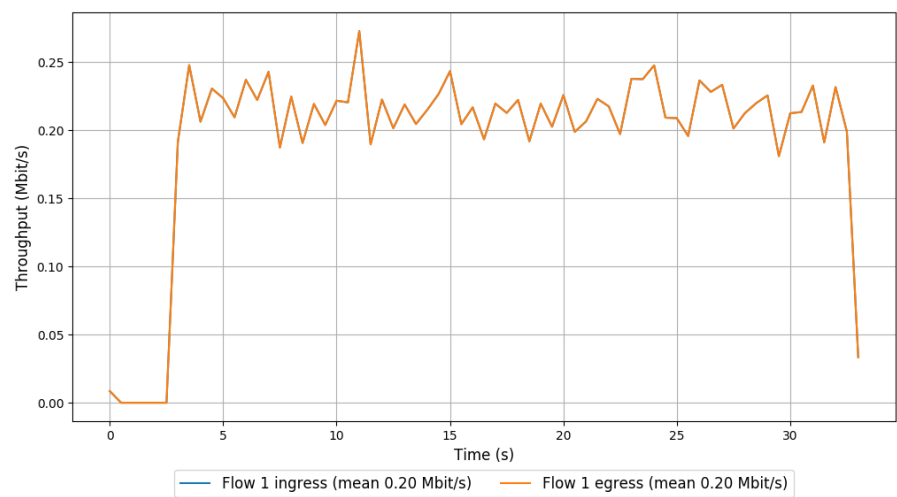
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 5.098 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 04:44:40 +0000

End at: Fri, 16 Jun 2017 04:45:10 +0000

Local clock offset: -5.723 ms

Remote clock offset: -2.991 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:36:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 14.920 ms

Loss rate: 0.00%

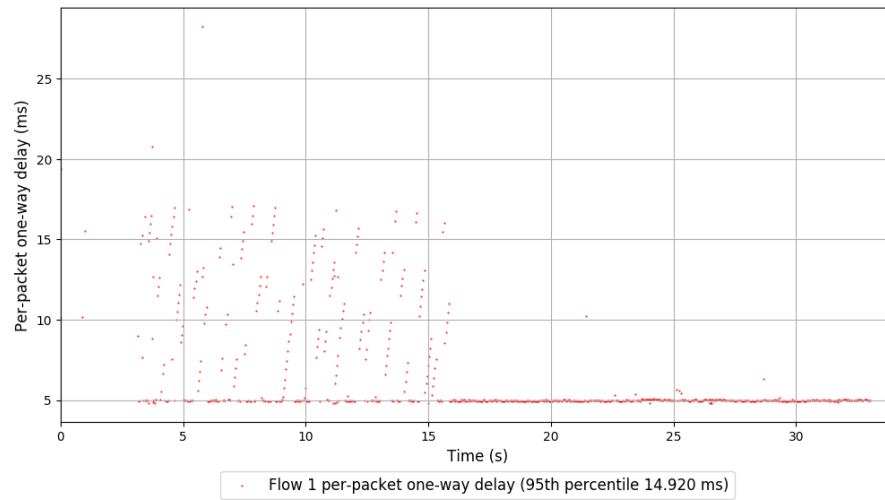
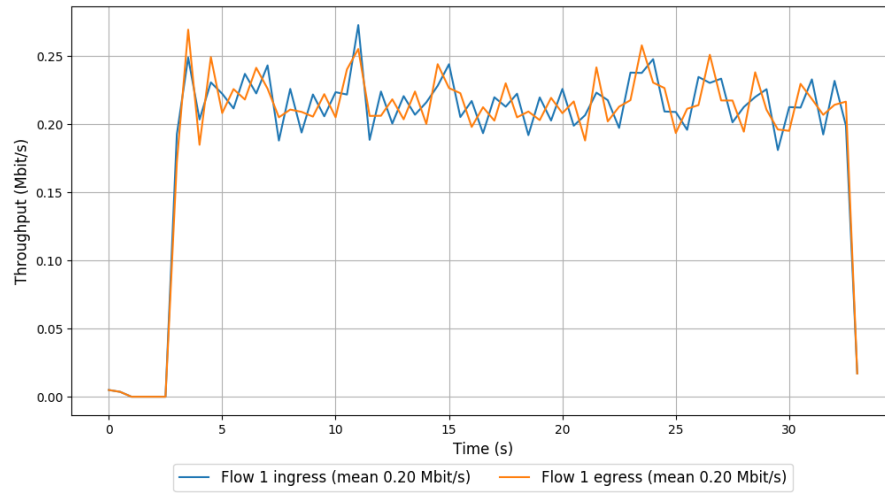
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 14.920 ms

Loss rate: 0.00%

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



Run 10: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 05:03:10 +0000

End at: Fri, 16 Jun 2017 05:03:40 +0000

Local clock offset: -5.404 ms

Remote clock offset: -2.492 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:36:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 5.154 ms

Loss rate: 0.00%

-- Flow 1:

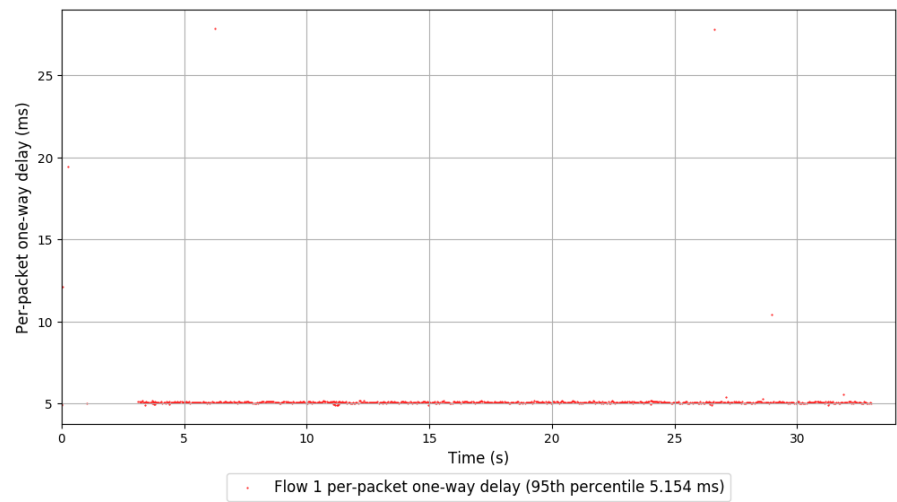
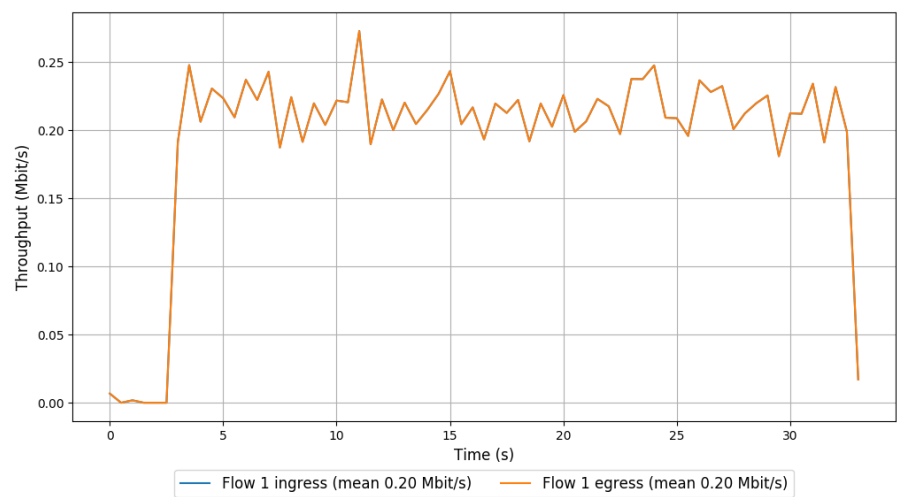
Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 5.154 ms

Loss rate: 0.00%



Run 10: Report of SCR<sub>e</sub>AM — Data Link



Run 1: Statistics of Sprout

Start at: Fri, 16 Jun 2017 02:23:55 +0000

End at: Fri, 16 Jun 2017 02:24:25 +0000

Local clock offset: -4.425 ms

Remote clock offset: 1.698 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:36:40 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.47 Mbit/s

95th percentile per-packet one-way delay: 17.010 ms

Loss rate: 1.47%

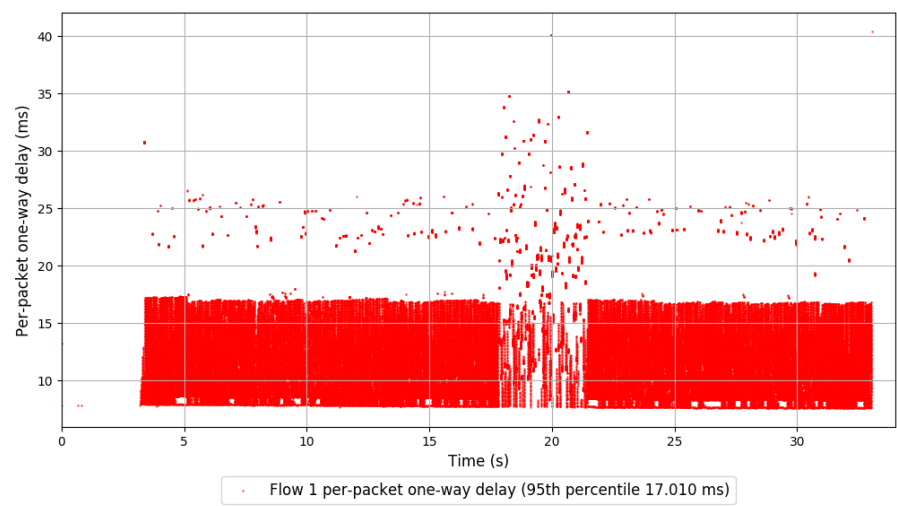
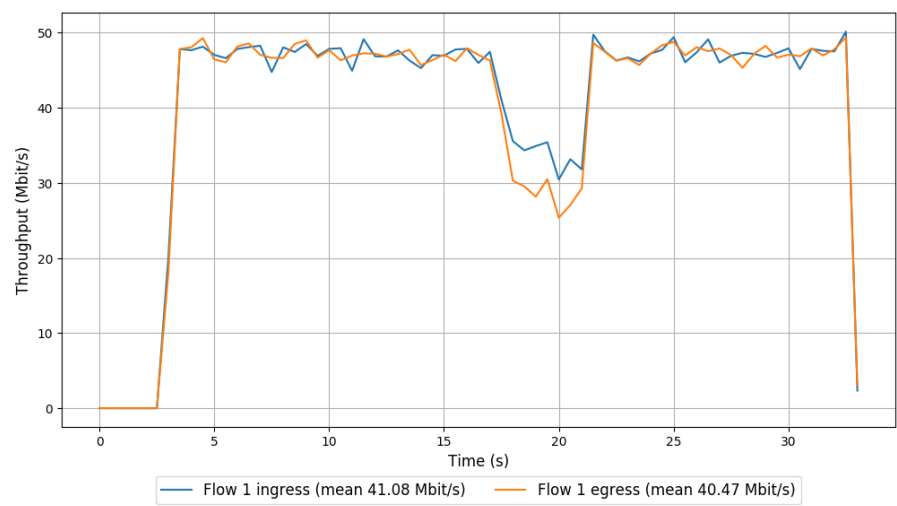
-- Flow 1:

Average throughput: 40.47 Mbit/s

95th percentile per-packet one-way delay: 17.010 ms

Loss rate: 1.47%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Fri, 16 Jun 2017 02:42:04 +0000

End at: Fri, 16 Jun 2017 02:42:34 +0000

Local clock offset: -1.692 ms

Remote clock offset: 0.143 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:36:46 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.88 Mbit/s

95th percentile per-packet one-way delay: 12.771 ms

Loss rate: 0.06%

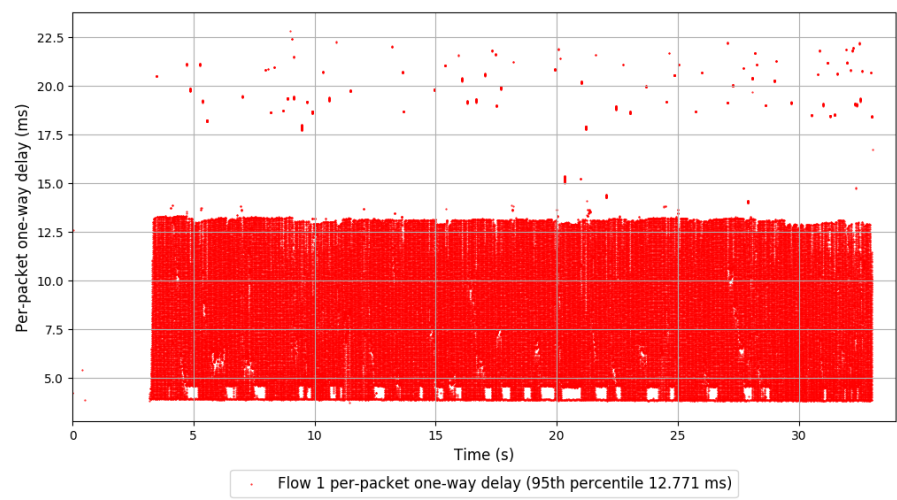
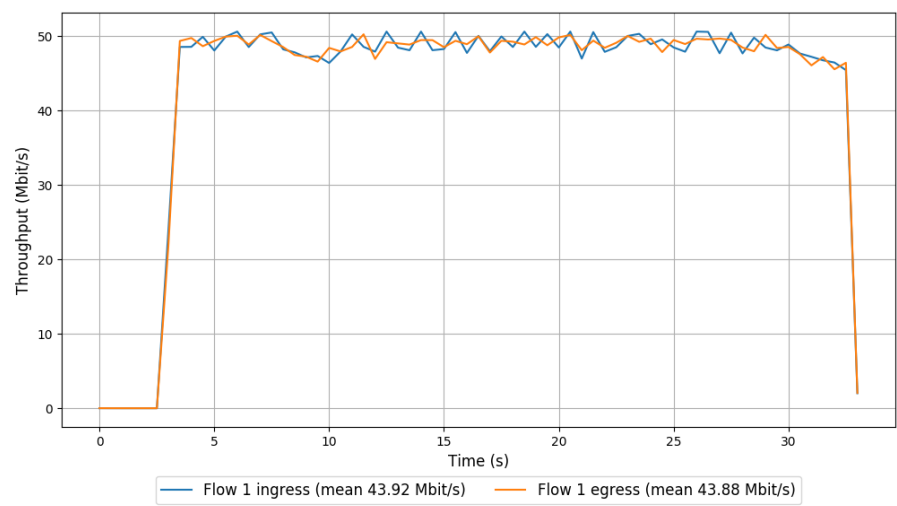
-- Flow 1:

Average throughput: 43.88 Mbit/s

95th percentile per-packet one-way delay: 12.771 ms

Loss rate: 0.06%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Fri, 16 Jun 2017 03:00:33 +0000

End at: Fri, 16 Jun 2017 03:01:03 +0000

Local clock offset: -0.48 ms

Remote clock offset: -1.082 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:37:06 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 41.54 Mbit/s

95th percentile per-packet one-way delay: 10.818 ms

Loss rate: 0.15%

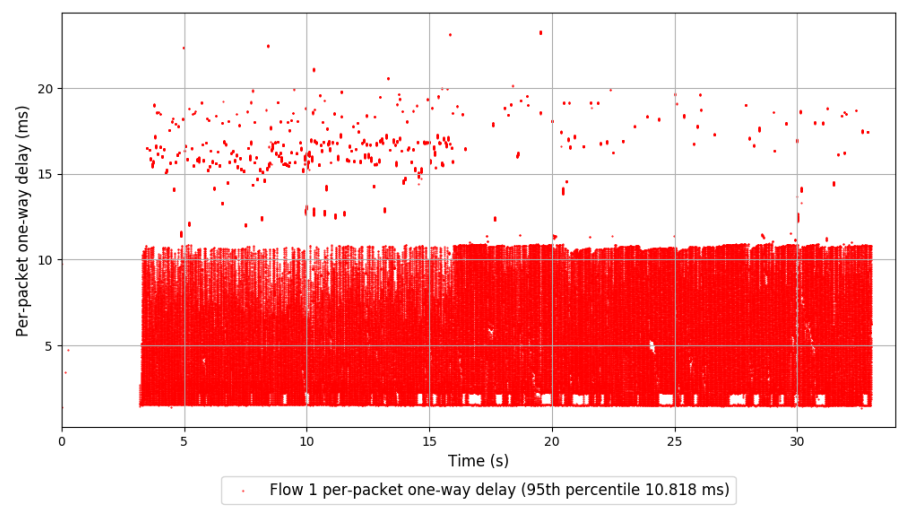
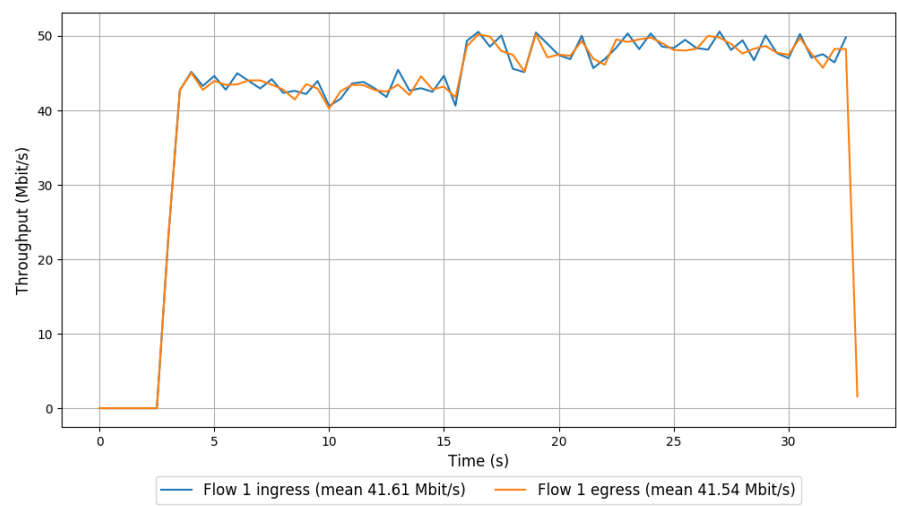
-- Flow 1:

Average throughput: 41.54 Mbit/s

95th percentile per-packet one-way delay: 10.818 ms

Loss rate: 0.15%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Fri, 16 Jun 2017 03:19:11 +0000

End at: Fri, 16 Jun 2017 03:19:41 +0000

Local clock offset: 0.736 ms

Remote clock offset: -1.985 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:37:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.45 Mbit/s

95th percentile per-packet one-way delay: 8.120 ms

Loss rate: 0.06%

-- Flow 1:

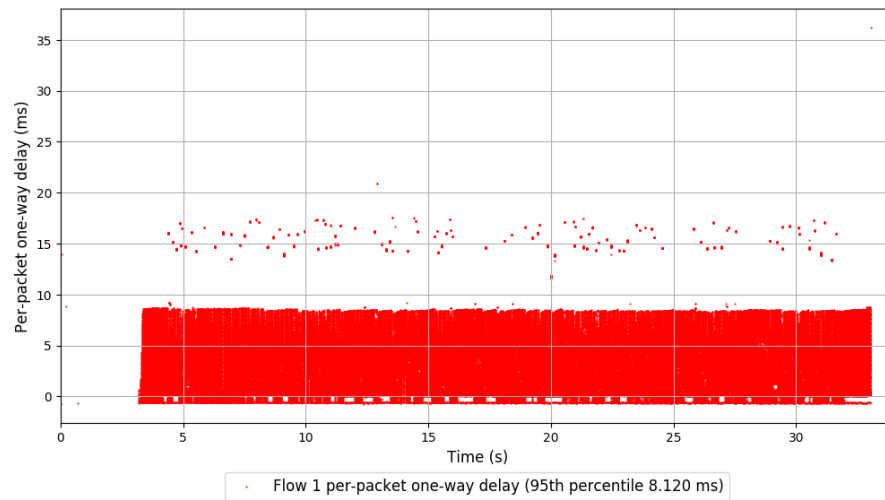
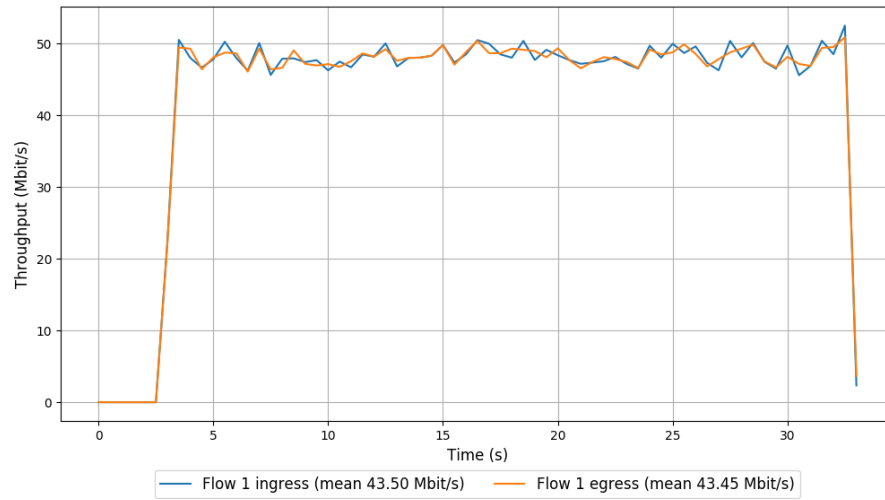
Average throughput: 43.45 Mbit/s

95th percentile per-packet one-way delay: 8.120 ms

Loss rate: 0.06%



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



Run 5: Statistics of Sprout

Start at: Fri, 16 Jun 2017 03:37:13 +0000

End at: Fri, 16 Jun 2017 03:37:43 +0000

Local clock offset: -3.41 ms

Remote clock offset: -2.538 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:37:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 44.08 Mbit/s

95th percentile per-packet one-way delay: 11.850 ms

Loss rate: 0.14%

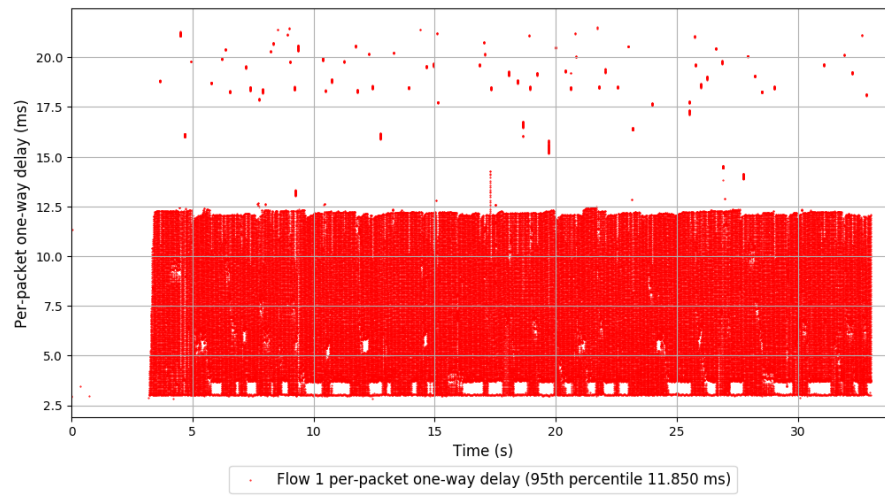
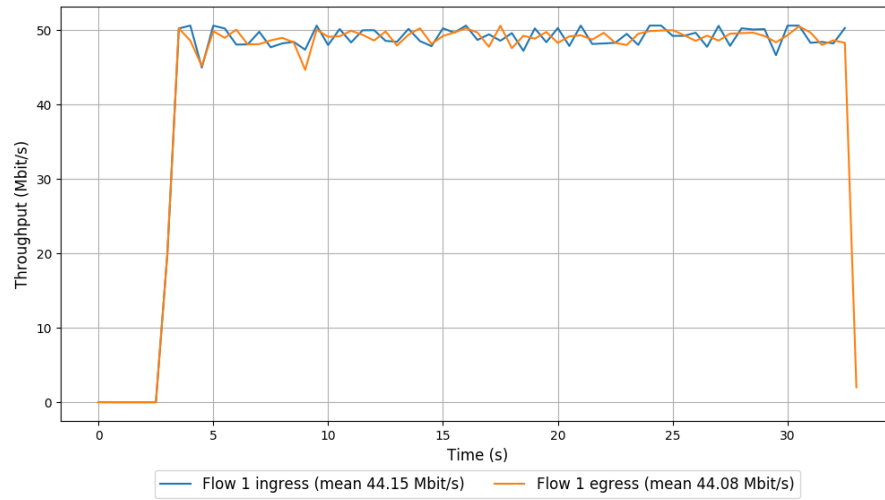
-- Flow 1:

Average throughput: 44.08 Mbit/s

95th percentile per-packet one-way delay: 11.850 ms

Loss rate: 0.14%

## Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Fri, 16 Jun 2017 03:55:57 +0000

End at: Fri, 16 Jun 2017 03:56:27 +0000

Local clock offset: -3.888 ms

Remote clock offset: -3.15 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:37:34 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.01 Mbit/s

95th percentile per-packet one-way delay: 17.480 ms

Loss rate: 0.08%

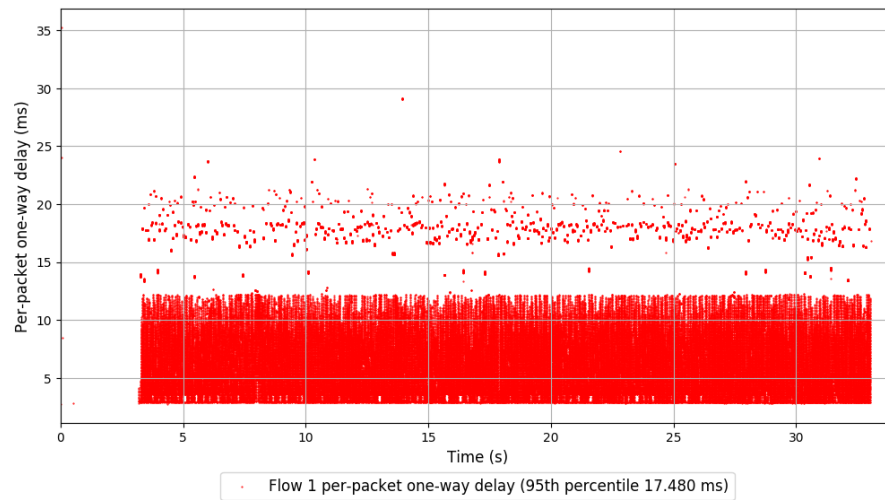
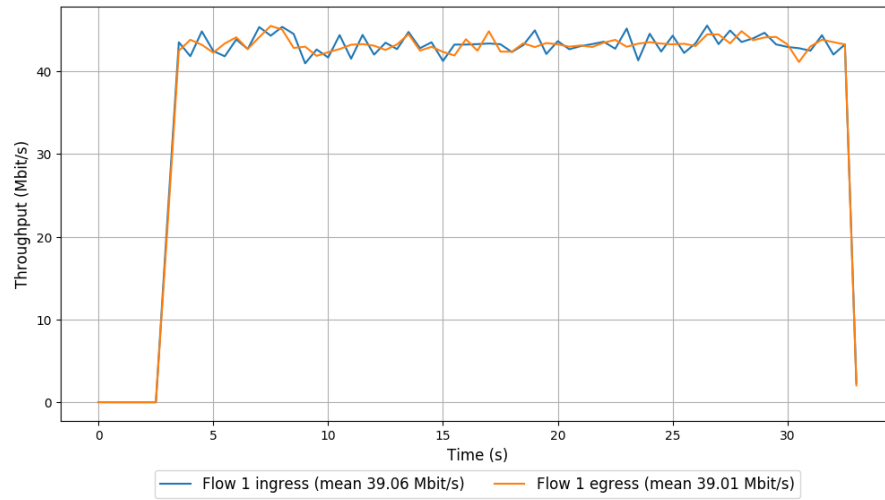
-- Flow 1:

Average throughput: 39.01 Mbit/s

95th percentile per-packet one-way delay: 17.480 ms

Loss rate: 0.08%

## Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Fri, 16 Jun 2017 04:14:19 +0000

End at: Fri, 16 Jun 2017 04:14:49 +0000

Local clock offset: -5.436 ms

Remote clock offset: -3.224 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:37:57 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.60 Mbit/s

95th percentile per-packet one-way delay: 18.885 ms

Loss rate: 0.24%

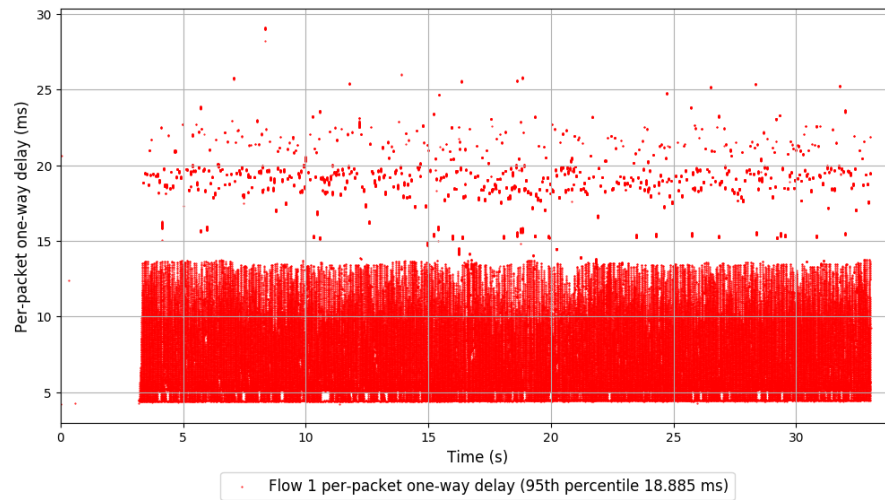
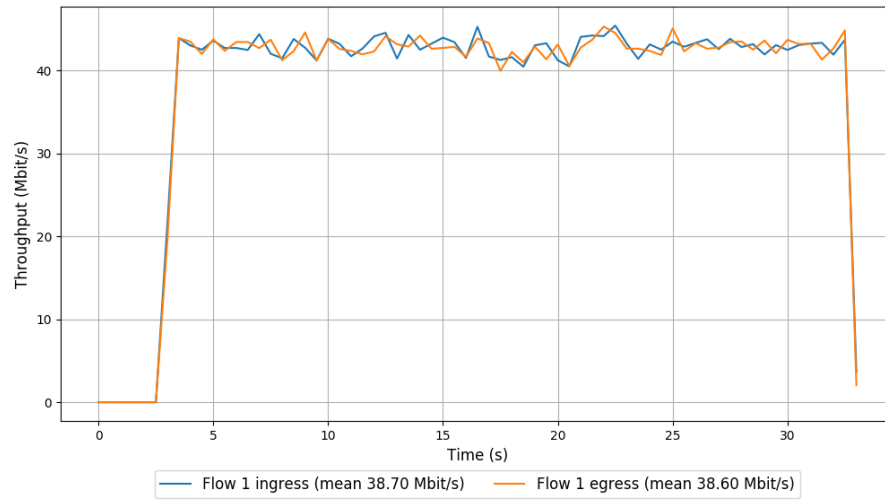
-- Flow 1:

Average throughput: 38.60 Mbit/s

95th percentile per-packet one-way delay: 18.885 ms

Loss rate: 0.24%

## Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Fri, 16 Jun 2017 04:32:21 +0000

End at: Fri, 16 Jun 2017 04:32:51 +0000

Local clock offset: -5.998 ms

Remote clock offset: -3.042 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:37:57 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 20.397 ms

Loss rate: 2.69%

-- Flow 1:

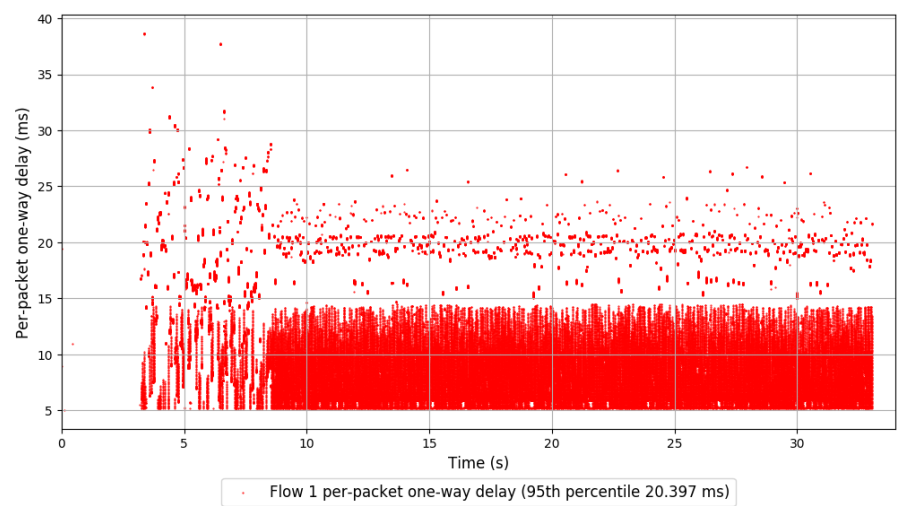
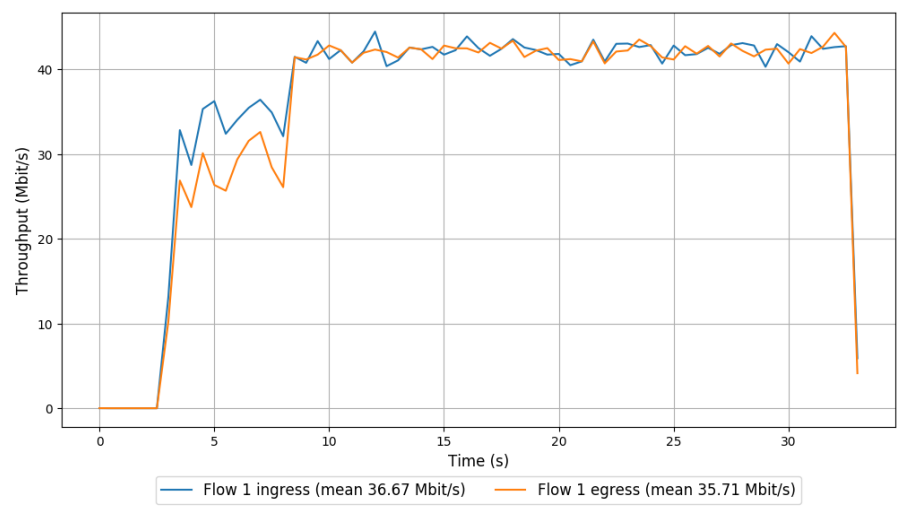
Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 20.397 ms

Loss rate: 2.69%



Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Fri, 16 Jun 2017 04:50:42 +0000

End at: Fri, 16 Jun 2017 04:51:12 +0000

Local clock offset: -5.765 ms

Remote clock offset: -2.879 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:38:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.68 Mbit/s

95th percentile per-packet one-way delay: 13.963 ms

Loss rate: 0.13%

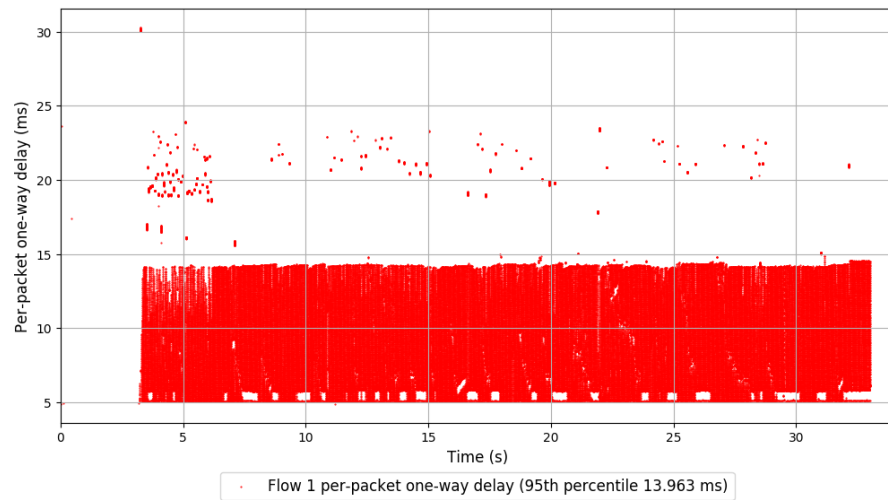
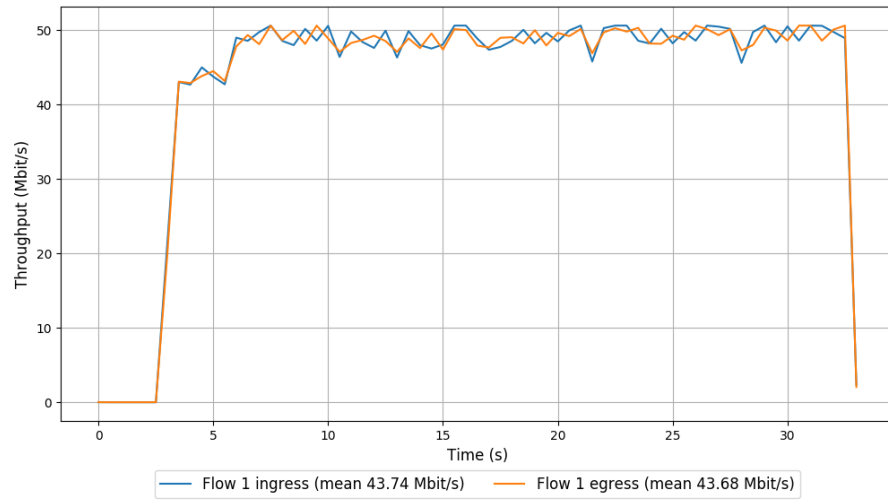
-- Flow 1:

Average throughput: 43.68 Mbit/s

95th percentile per-packet one-way delay: 13.963 ms

Loss rate: 0.13%

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



Run 10: Statistics of Sprout

Start at: Fri, 16 Jun 2017 05:09:20 +0000

End at: Fri, 16 Jun 2017 05:09:50 +0000

Local clock offset: -5.398 ms

Remote clock offset: -2.623 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:38:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.53 Mbit/s

95th percentile per-packet one-way delay: 13.872 ms

Loss rate: 0.09%

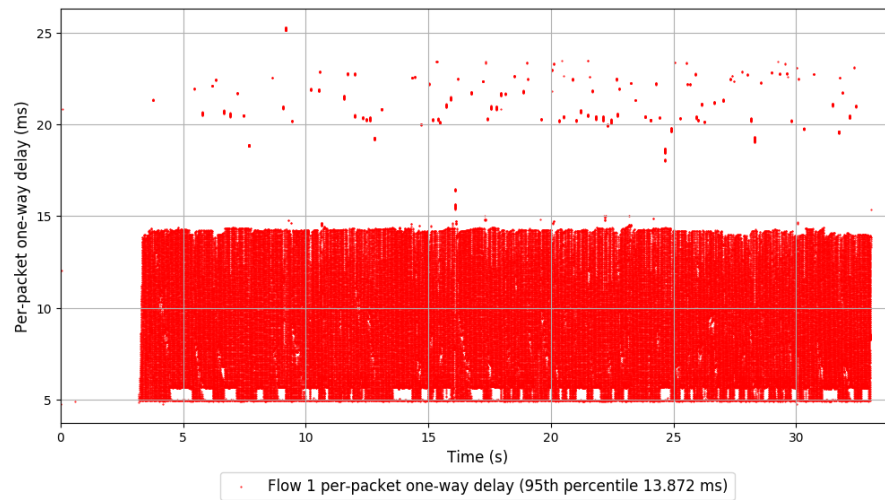
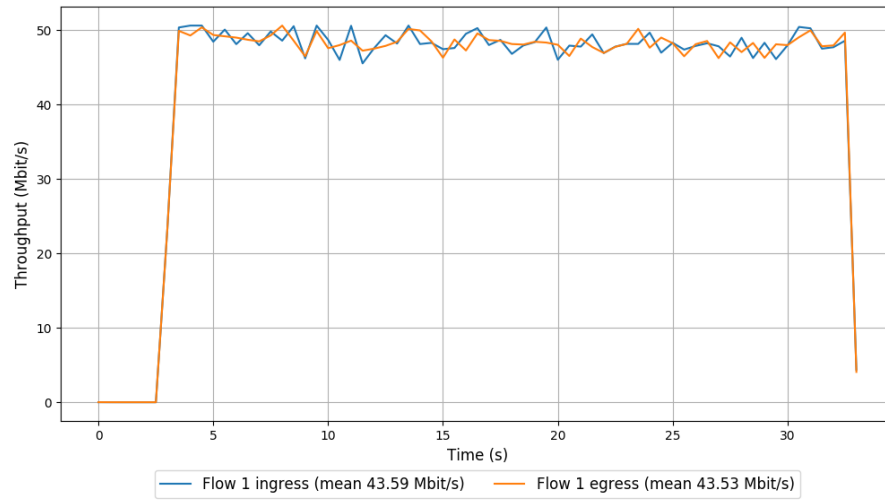
-- Flow 1:

Average throughput: 43.53 Mbit/s

95th percentile per-packet one-way delay: 13.872 ms

Loss rate: 0.09%

# Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 02:09:02 +0000

End at: Fri, 16 Jun 2017 02:09:32 +0000

Local clock offset: -8.087 ms

Remote clock offset: 2.52 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:39:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 25.209 ms

Loss rate: 35.87%

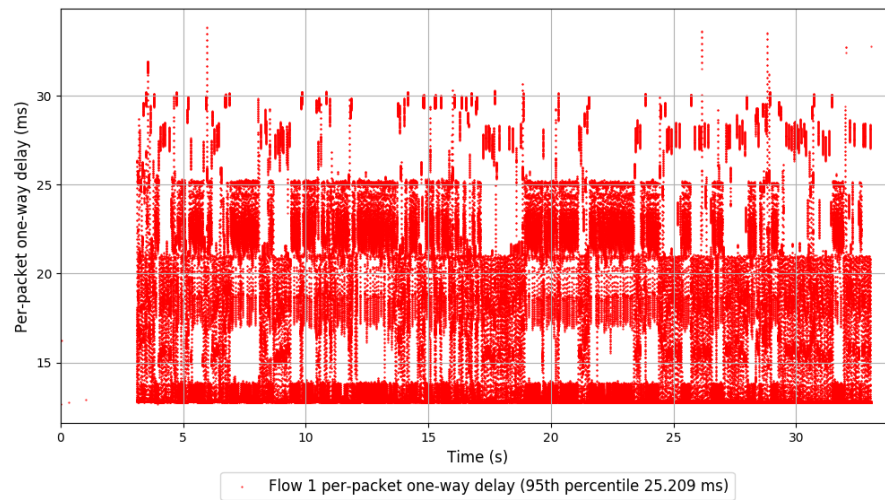
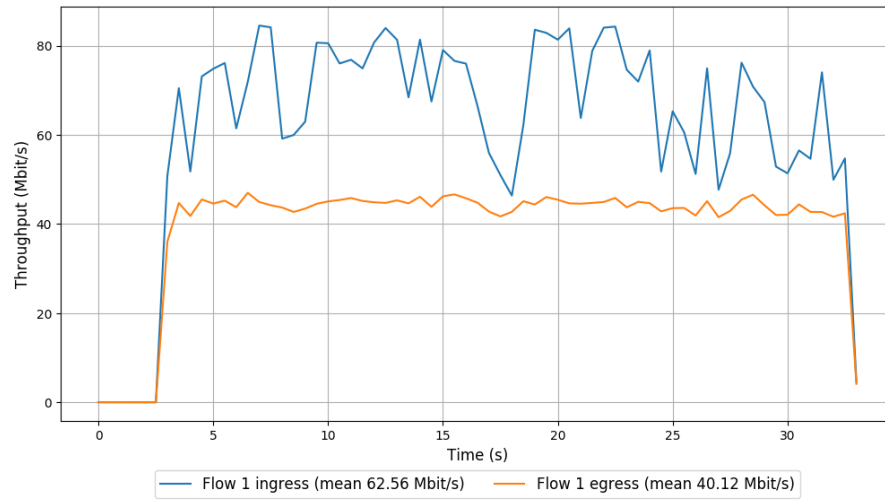
-- Flow 1:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 25.209 ms

Loss rate: 35.87%

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



Run 2: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 02:27:52 +0000

End at: Fri, 16 Jun 2017 02:28:22 +0000

Local clock offset: -3.355 ms

Remote clock offset: 1.341 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:39:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 25.64 Mbit/s

95th percentile per-packet one-way delay: 22.599 ms

Loss rate: 38.09%

-- Flow 1:

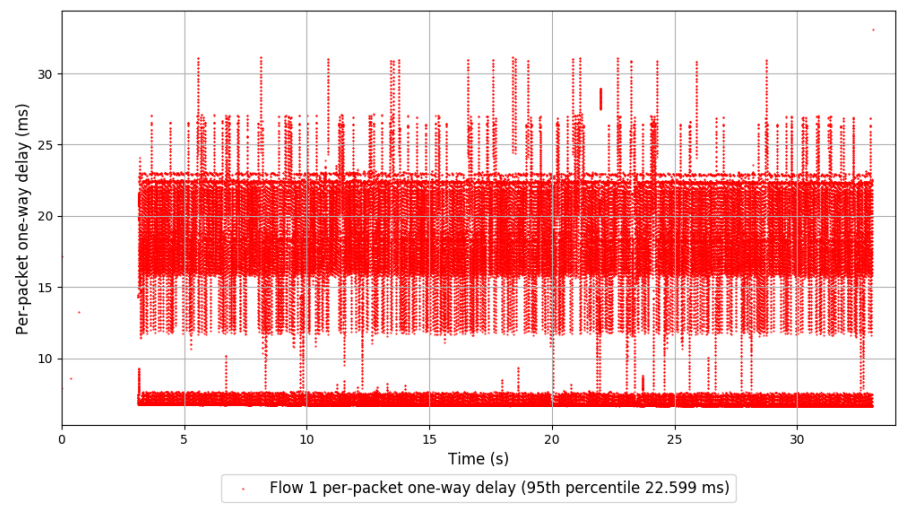
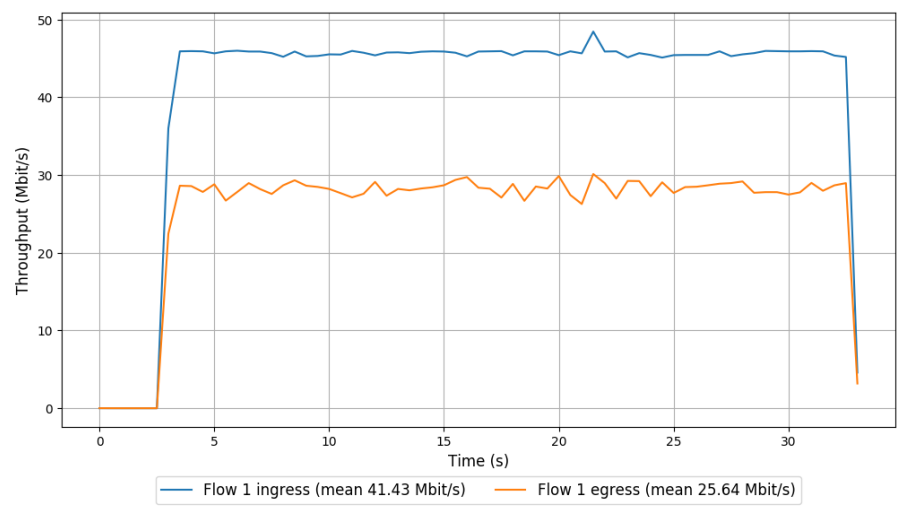
Average throughput: 25.64 Mbit/s

95th percentile per-packet one-way delay: 22.599 ms

Loss rate: 38.09%



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



Run 3: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 02:45:58 +0000

End at: Fri, 16 Jun 2017 02:46:28 +0000

Local clock offset: -1.216 ms

Remote clock offset: -0.045 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:39:27 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.03 Mbit/s

95th percentile per-packet one-way delay: 13.785 ms

Loss rate: 23.77%

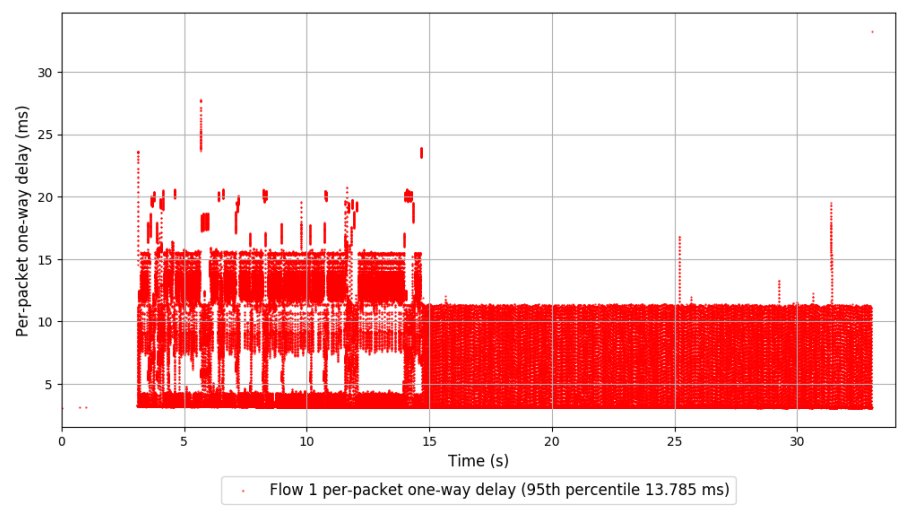
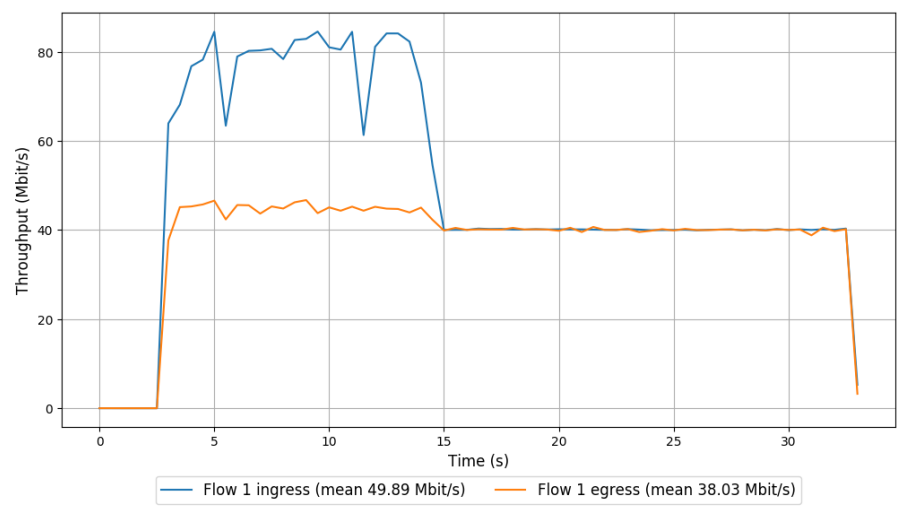
-- Flow 1:

Average throughput: 38.03 Mbit/s

95th percentile per-packet one-way delay: 13.785 ms

Loss rate: 23.77%

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



Run 4: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 03:04:28 +0000

End at: Fri, 16 Jun 2017 03:04:58 +0000

Local clock offset: -0.2 ms

Remote clock offset: -1.269 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:39:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.95 Mbit/s

95th percentile per-packet one-way delay: 14.001 ms

Loss rate: 26.80%

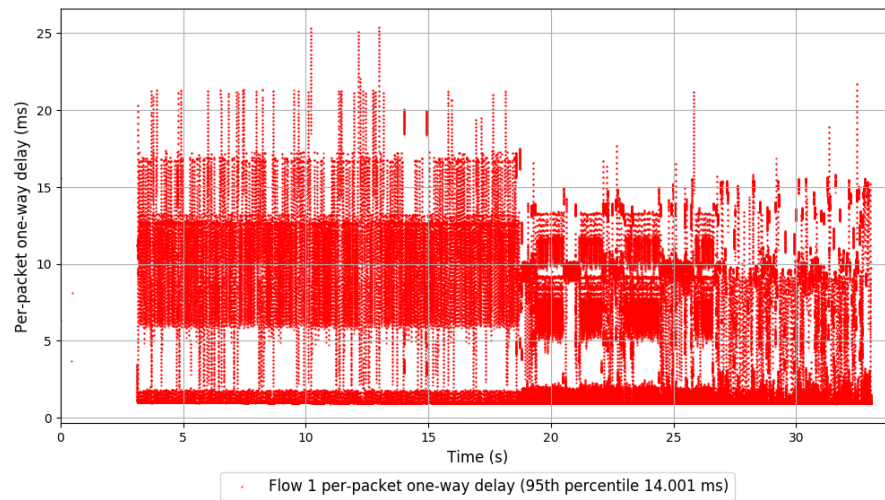
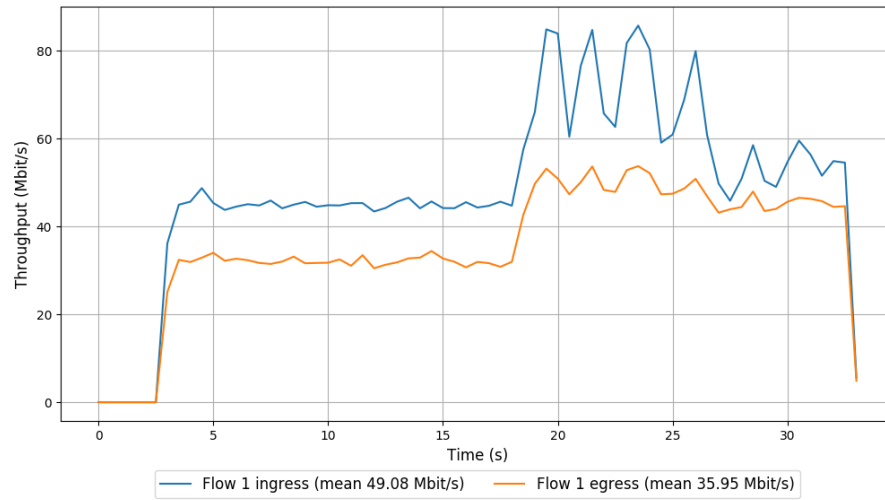
-- Flow 1:

Average throughput: 35.95 Mbit/s

95th percentile per-packet one-way delay: 14.001 ms

Loss rate: 26.80%

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



Run 5: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 03:23:10 +0000

End at: Fri, 16 Jun 2017 03:23:40 +0000

Local clock offset: 0.936 ms

Remote clock offset: -2.138 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:39:57 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.00 Mbit/s

95th percentile per-packet one-way delay: 14.706 ms

Loss rate: 37.00%

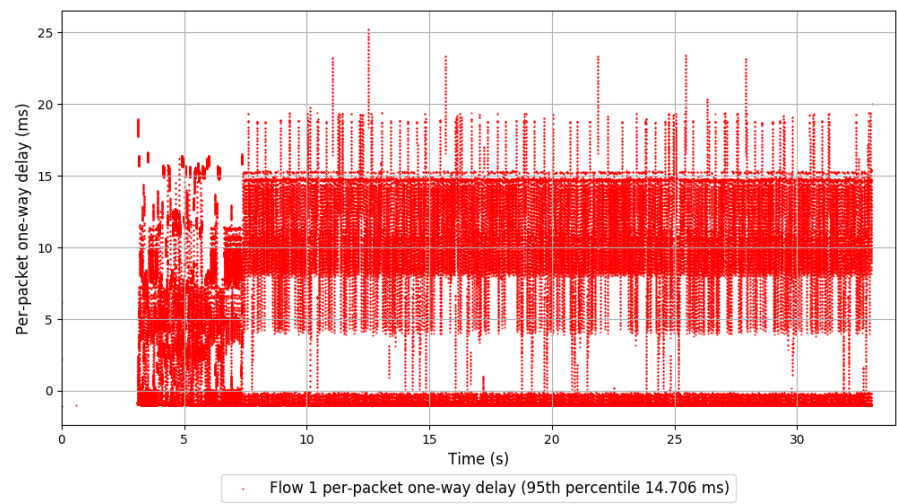
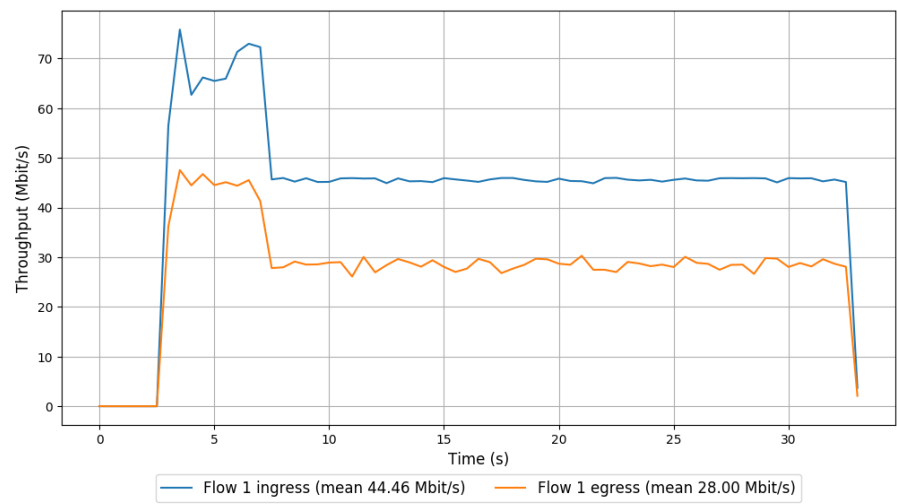
-- Flow 1:

Average throughput: 28.00 Mbit/s

95th percentile per-packet one-way delay: 14.706 ms

Loss rate: 37.00%

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



Run 6: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 03:41:07 +0000

End at: Fri, 16 Jun 2017 03:41:37 +0000

Local clock offset: -3.659 ms

Remote clock offset: -2.64 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:40:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.91 Mbit/s

95th percentile per-packet one-way delay: 15.431 ms

Loss rate: 40.80%

-- Flow 1:

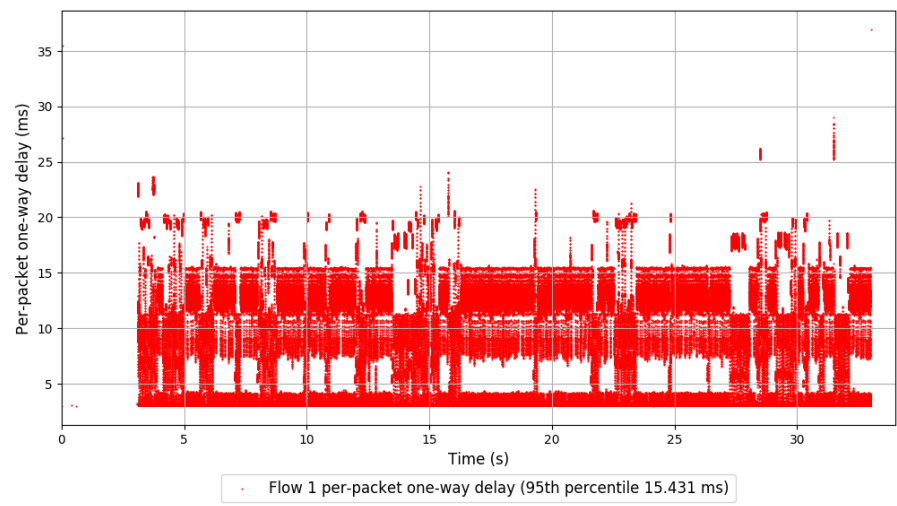
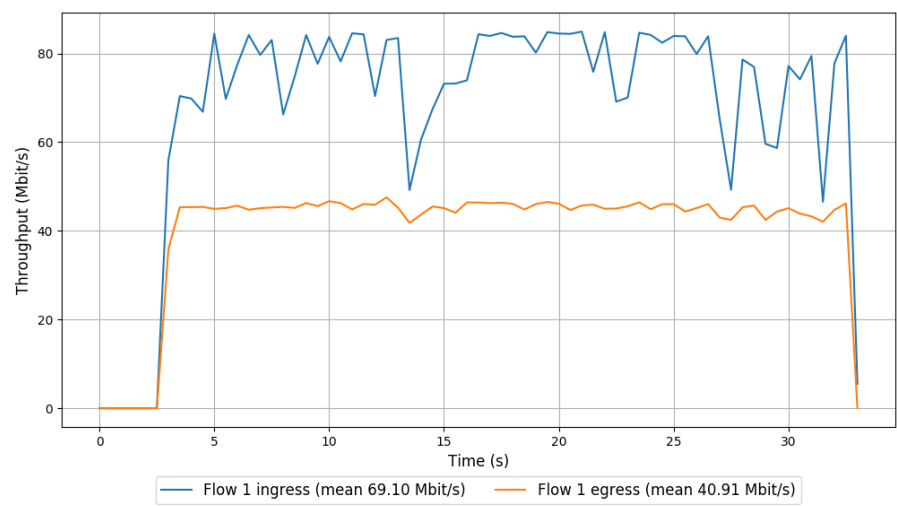
Average throughput: 40.91 Mbit/s

95th percentile per-packet one-way delay: 15.431 ms

Loss rate: 40.80%



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



Run 7: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 03:59:54 +0000

End at: Fri, 16 Jun 2017 04:00:24 +0000

Local clock offset: -3.752 ms

Remote clock offset: -3.299 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:40:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.47 Mbit/s

95th percentile per-packet one-way delay: 17.016 ms

Loss rate: 27.09%

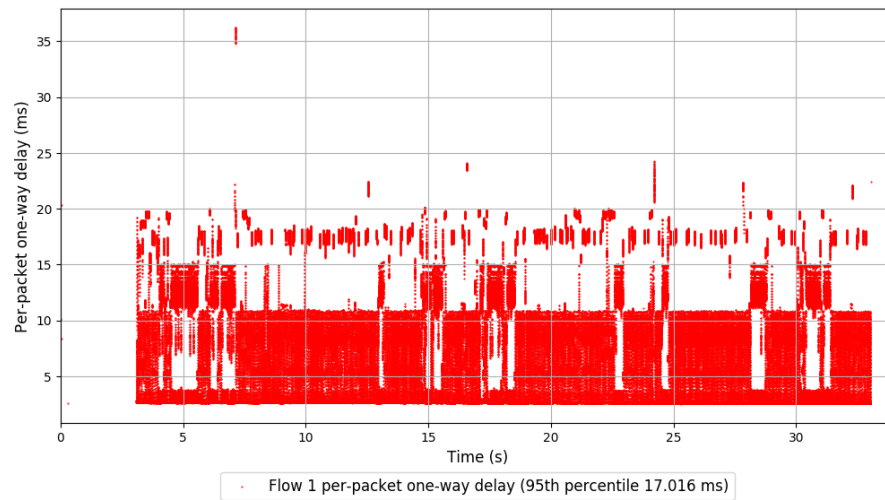
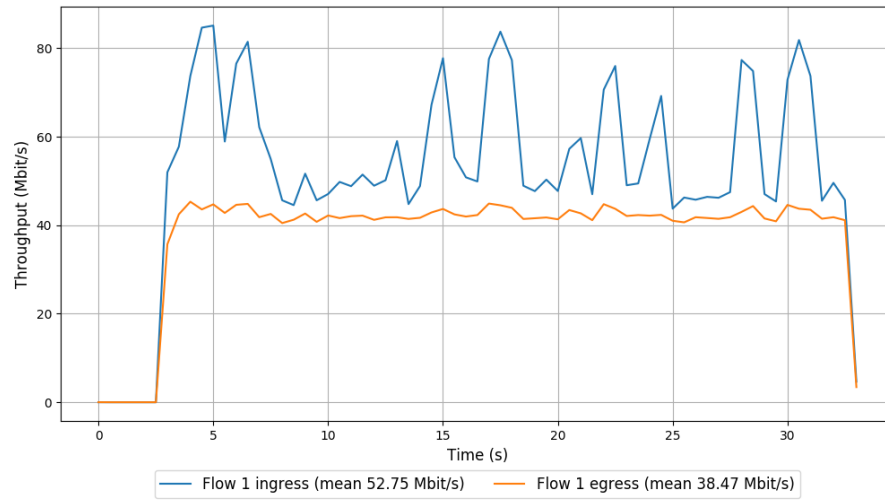
-- Flow 1:

Average throughput: 38.47 Mbit/s

95th percentile per-packet one-way delay: 17.016 ms

Loss rate: 27.09%

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



Run 8: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 04:18:15 +0000

End at: Fri, 16 Jun 2017 04:18:45 +0000

Local clock offset: -5.783 ms

Remote clock offset: -3.137 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:41:02 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.54 Mbit/s

95th percentile per-packet one-way delay: 15.452 ms

Loss rate: 24.03%

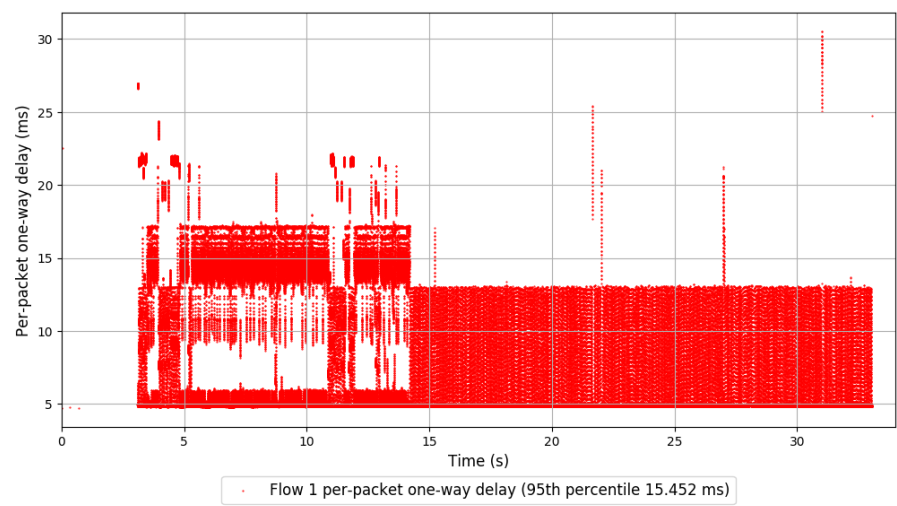
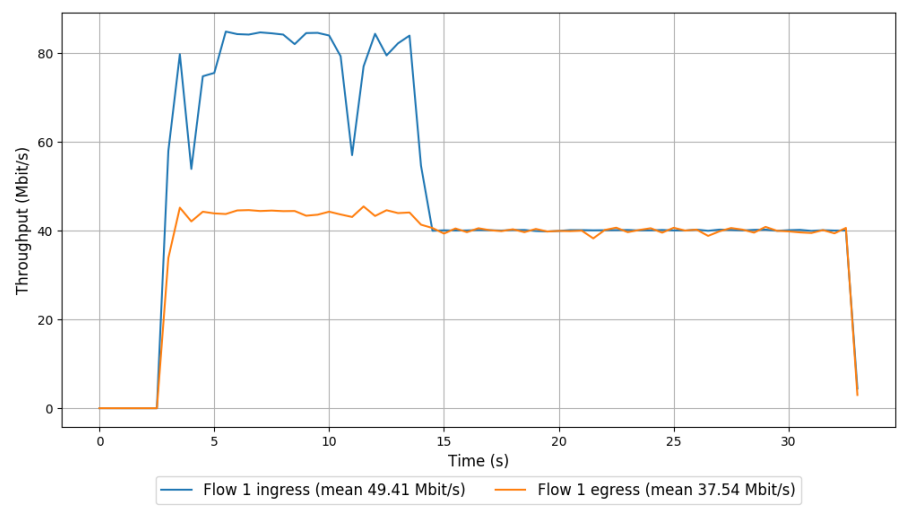
-- Flow 1:

Average throughput: 37.54 Mbit/s

95th percentile per-packet one-way delay: 15.452 ms

Loss rate: 24.03%

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



Run 9: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 04:36:02 +0000

End at: Fri, 16 Jun 2017 04:36:32 +0000

Local clock offset: -6.048 ms

Remote clock offset: -2.995 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:41:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.43 Mbit/s

95th percentile per-packet one-way delay: 17.450 ms

Loss rate: 33.06%

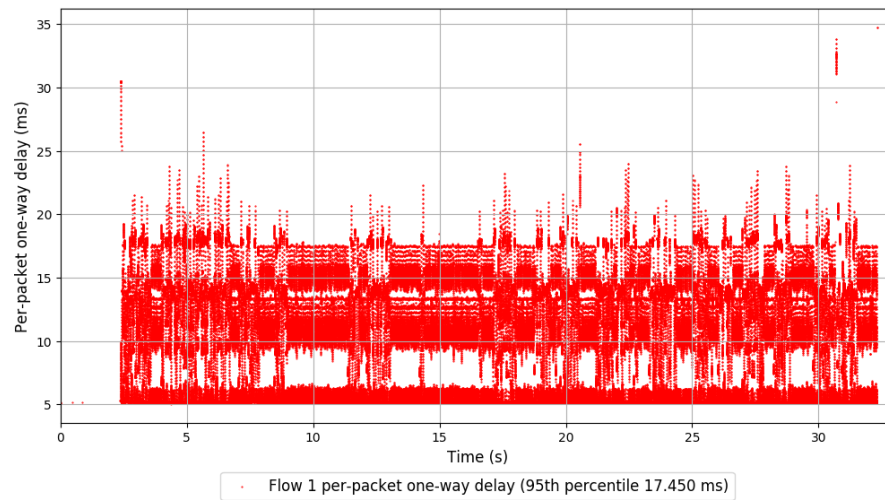
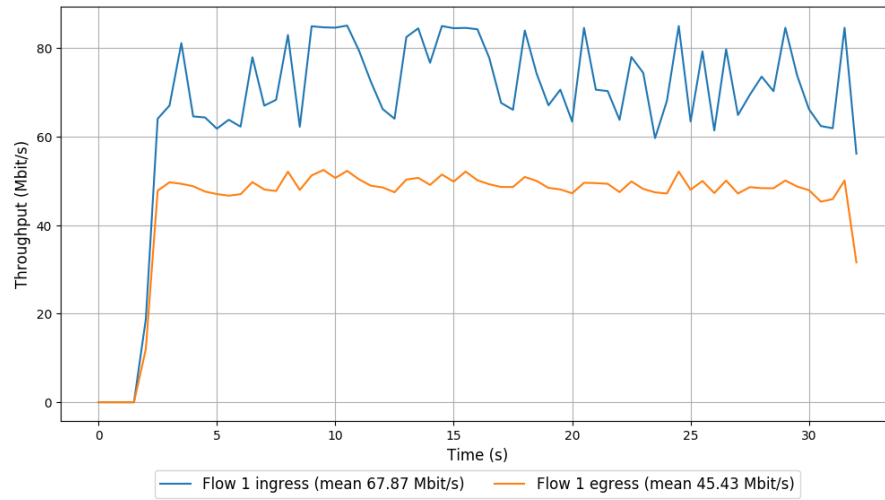
-- Flow 1:

Average throughput: 45.43 Mbit/s

95th percentile per-packet one-way delay: 17.450 ms

Loss rate: 33.06%

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



Run 10: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 04:54:37 +0000

End at: Fri, 16 Jun 2017 04:55:07 +0000

Local clock offset: -5.903 ms

Remote clock offset: -2.785 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:41:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.91 Mbit/s

95th percentile per-packet one-way delay: 15.991 ms

Loss rate: 22.24%

-- Flow 1:

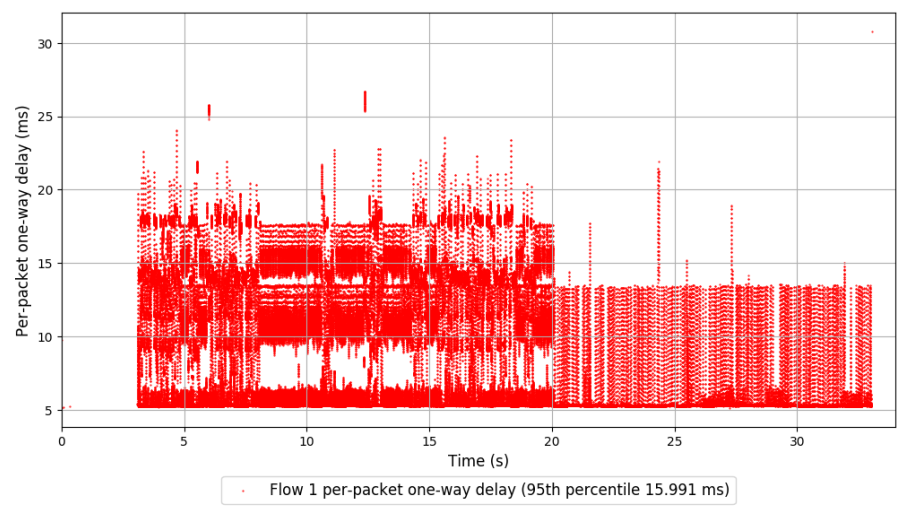
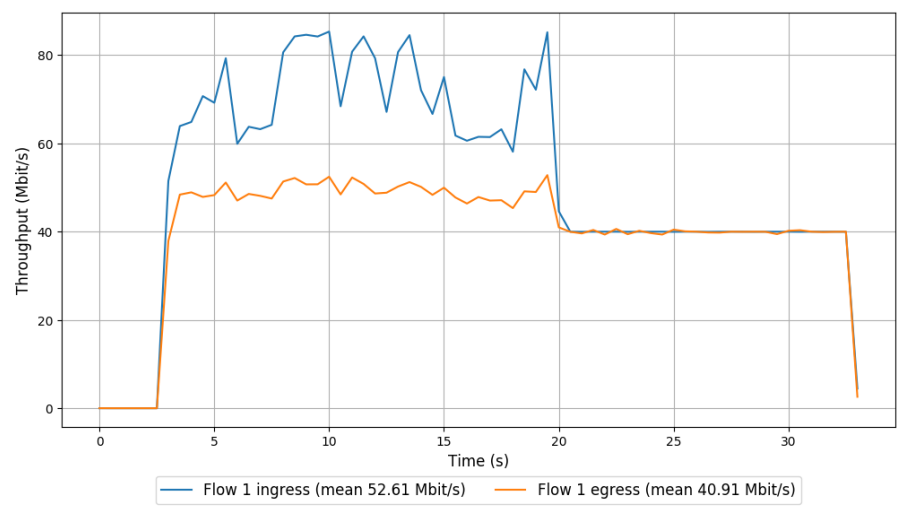
Average throughput: 40.91 Mbit/s

95th percentile per-packet one-way delay: 15.991 ms

Loss rate: 22.24%



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



Run 1: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 02:22:37 +0000

End at: Fri, 16 Jun 2017 02:23:07 +0000

Local clock offset: -5.526 ms

Remote clock offset: 1.814 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:41:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.27 Mbit/s

95th percentile per-packet one-way delay: 16.973 ms

Loss rate: 0.11%

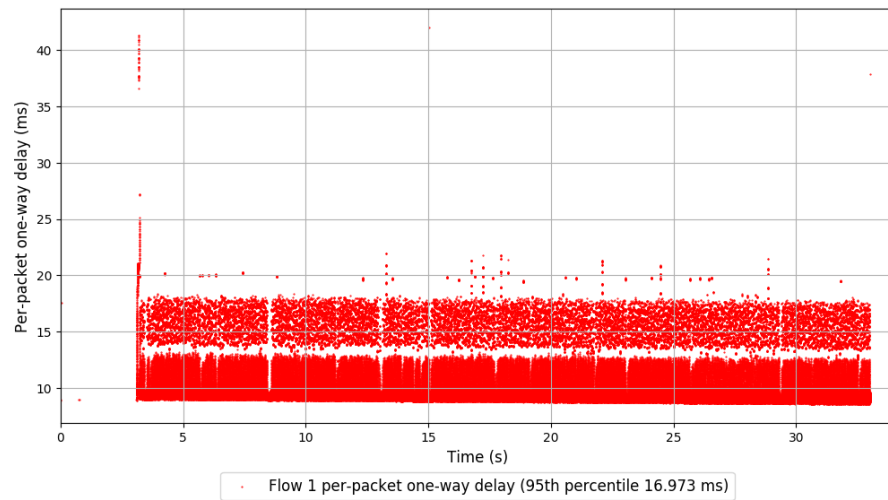
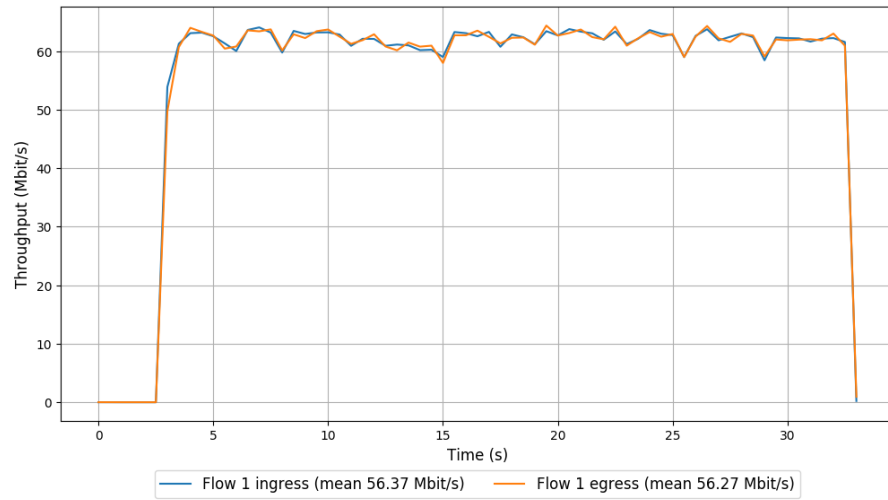
-- Flow 1:

Average throughput: 56.27 Mbit/s

95th percentile per-packet one-way delay: 16.973 ms

Loss rate: 0.11%

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



Run 2: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 02:40:47 +0000

End at: Fri, 16 Jun 2017 02:41:17 +0000

Local clock offset: -1.761 ms

Remote clock offset: 0.286 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:42:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.59 Mbit/s

95th percentile per-packet one-way delay: 12.920 ms

Loss rate: 0.07%

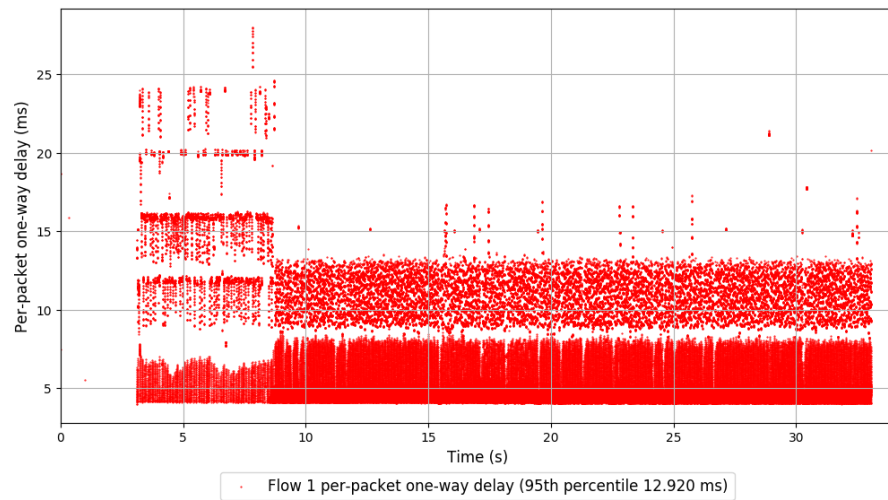
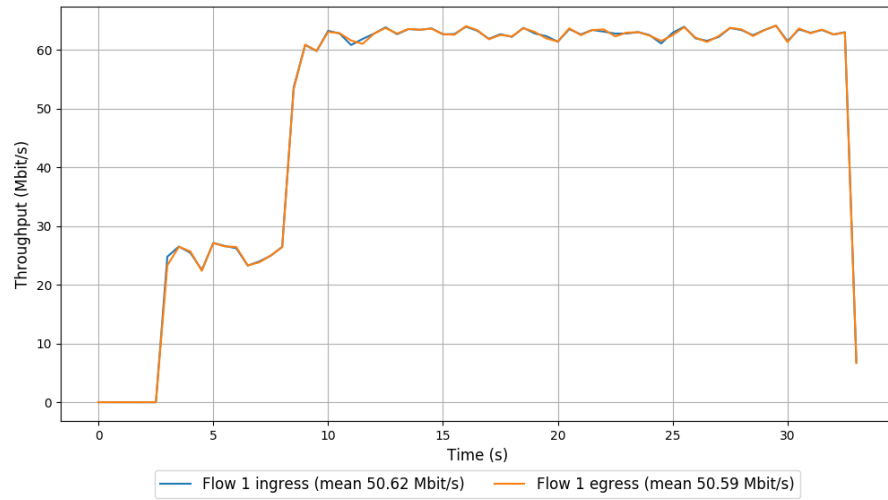
-- Flow 1:

Average throughput: 50.59 Mbit/s

95th percentile per-packet one-way delay: 12.920 ms

Loss rate: 0.07%

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



Run 3: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 02:59:14 +0000

End at: Fri, 16 Jun 2017 02:59:44 +0000

Local clock offset: -0.501 ms

Remote clock offset: -0.947 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:42:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.73 Mbit/s

95th percentile per-packet one-way delay: 11.355 ms

Loss rate: 0.10%

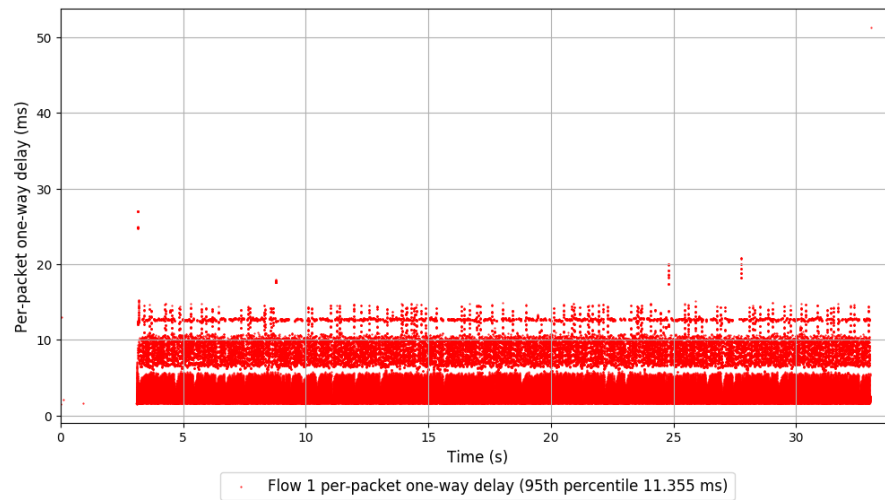
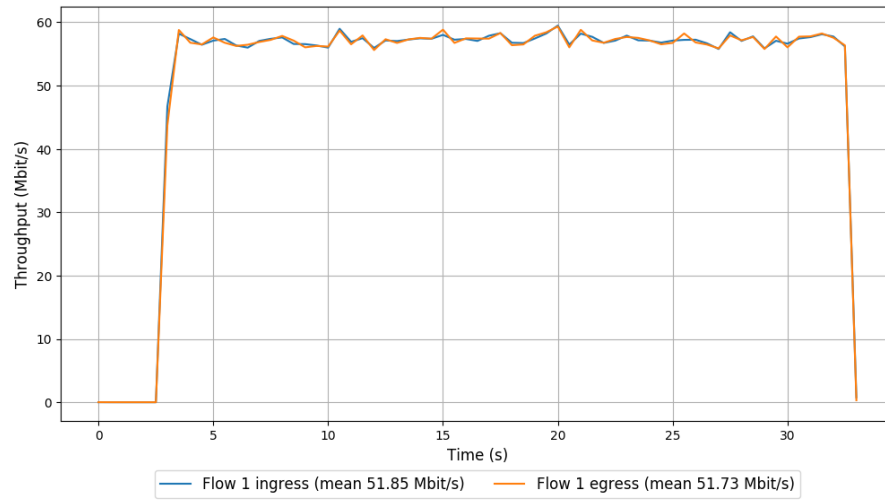
-- Flow 1:

Average throughput: 51.73 Mbit/s

95th percentile per-packet one-way delay: 11.355 ms

Loss rate: 0.10%

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



Run 4: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 03:17:53 +0000

End at: Fri, 16 Jun 2017 03:18:23 +0000

Local clock offset: 0.634 ms

Remote clock offset: -1.949 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:42:55 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.65 Mbit/s

95th percentile per-packet one-way delay: 7.672 ms

Loss rate: 0.10%

-- Flow 1:

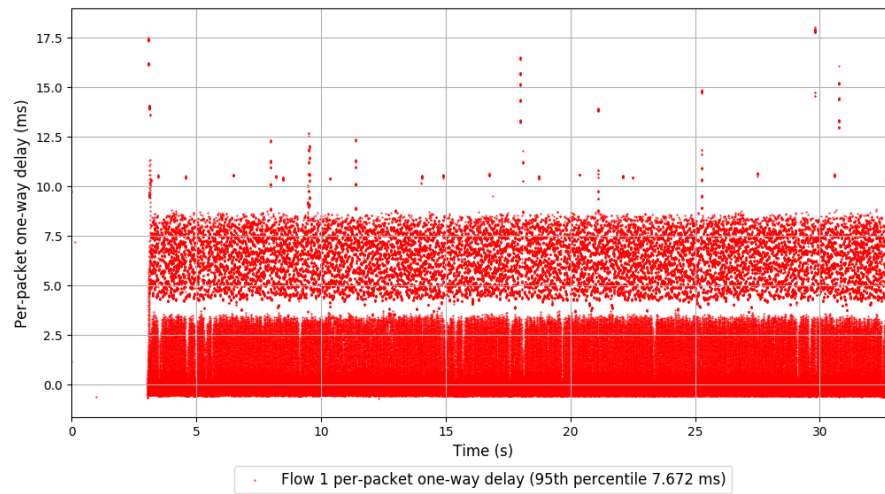
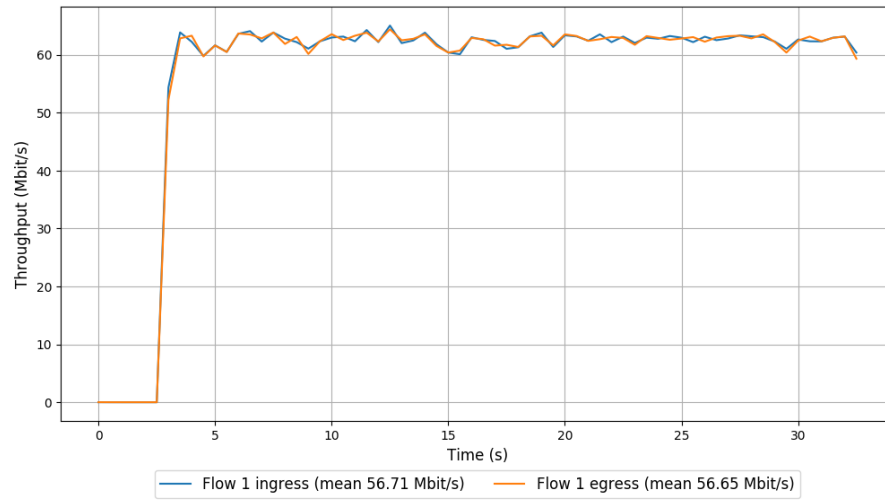
Average throughput: 56.65 Mbit/s

95th percentile per-packet one-way delay: 7.672 ms

Loss rate: 0.10%



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



Run 5: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 03:35:55 +0000

End at: Fri, 16 Jun 2017 03:36:25 +0000

Local clock offset: -3.295 ms

Remote clock offset: -2.545 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:43:04 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.12 Mbit/s

95th percentile per-packet one-way delay: 11.253 ms

Loss rate: 0.07%

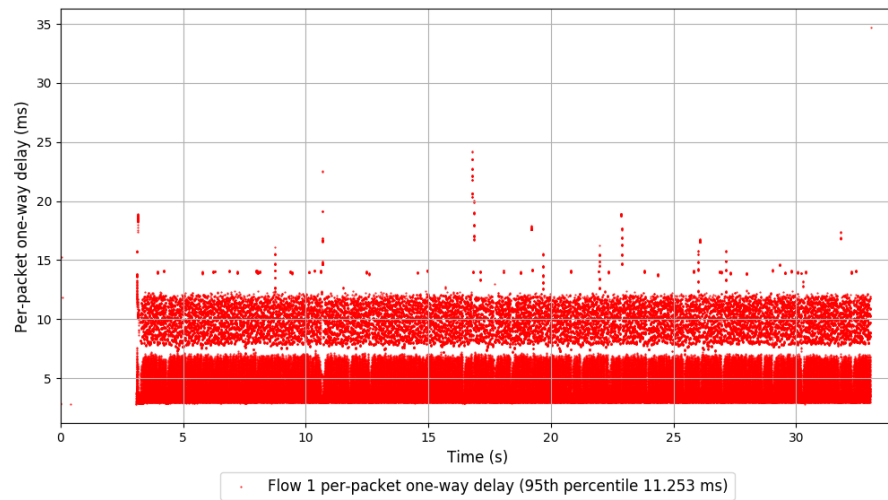
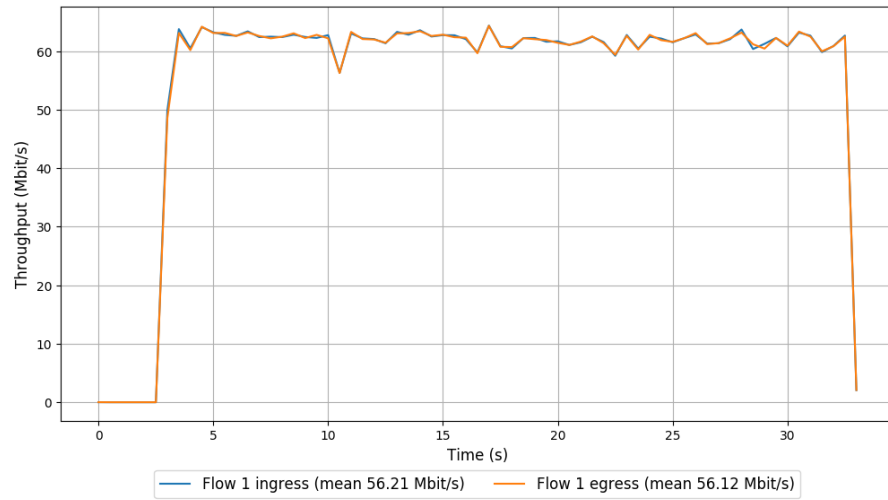
-- Flow 1:

Average throughput: 56.12 Mbit/s

95th percentile per-packet one-way delay: 11.253 ms

Loss rate: 0.07%

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



Run 6: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 03:54:39 +0000

End at: Fri, 16 Jun 2017 03:55:09 +0000

Local clock offset: -3.931 ms

Remote clock offset: -3.081 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:43:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.75 Mbit/s

95th percentile per-packet one-way delay: 11.142 ms

Loss rate: 0.05%

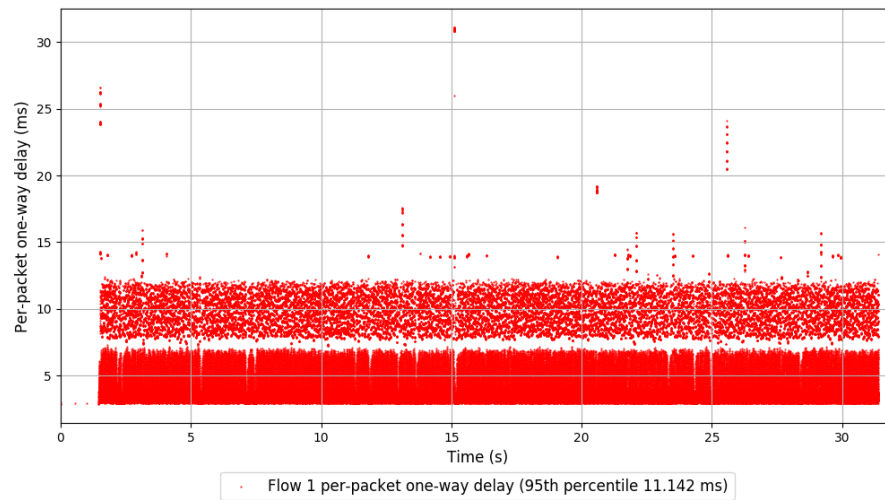
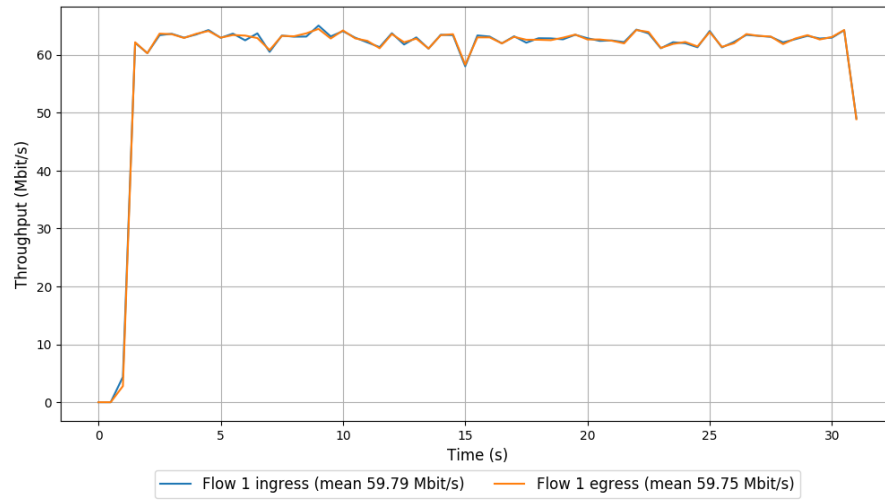
-- Flow 1:

Average throughput: 59.75 Mbit/s

95th percentile per-packet one-way delay: 11.142 ms

Loss rate: 0.05%

# Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 04:13:00 +0000

End at: Fri, 16 Jun 2017 04:13:30 +0000

Local clock offset: -5.209 ms

Remote clock offset: -3.282 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:43:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.94 Mbit/s

95th percentile per-packet one-way delay: 15.168 ms

Loss rate: 0.07%

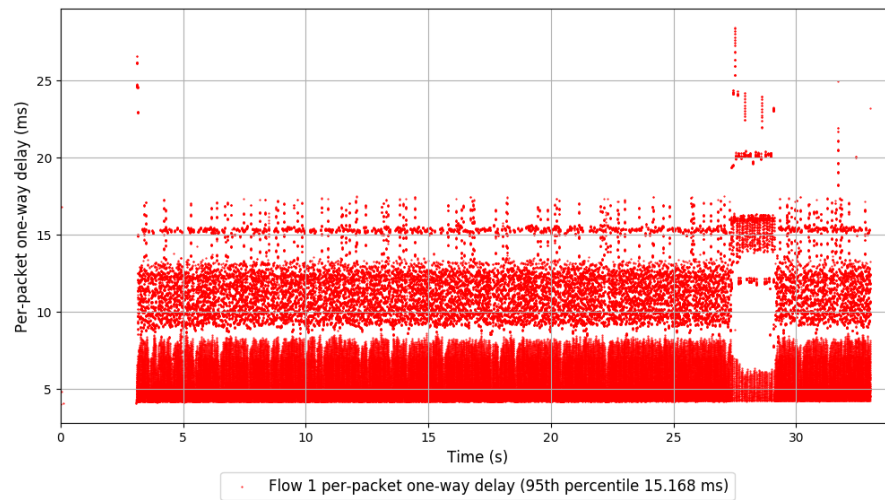
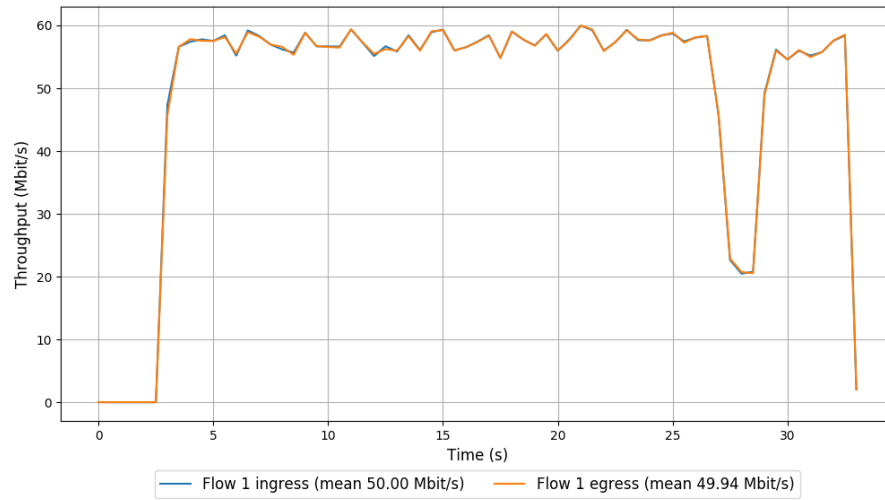
-- Flow 1:

Average throughput: 49.94 Mbit/s

95th percentile per-packet one-way delay: 15.168 ms

Loss rate: 0.07%

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



Run 8: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 04:31:11 +0000

End at: Fri, 16 Jun 2017 04:31:41 +0000

Local clock offset: -7.703 ms

Remote clock offset: -3.039 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:43:44 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.74 Mbit/s

95th percentile per-packet one-way delay: 21.168 ms

Loss rate: 0.10%

-- Flow 1:

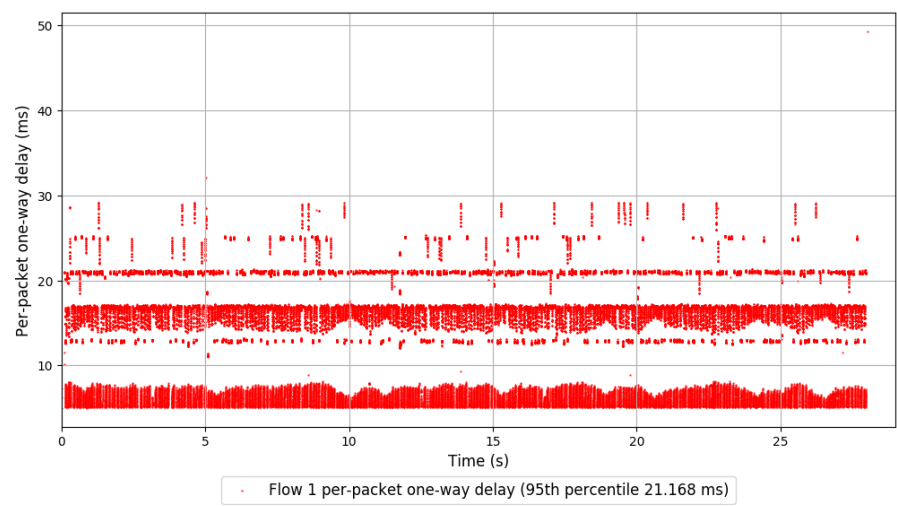
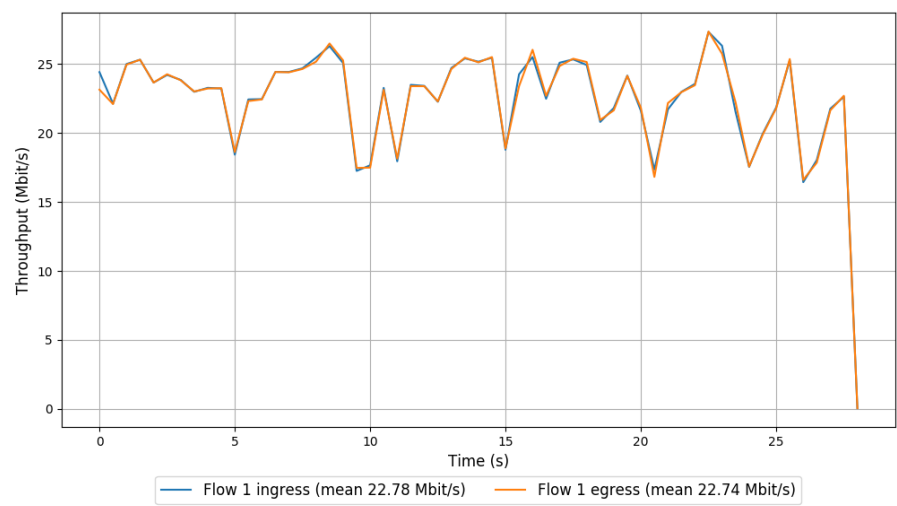
Average throughput: 22.74 Mbit/s

95th percentile per-packet one-way delay: 21.168 ms

Loss rate: 0.10%



Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 04:49:26 +0000

End at: Fri, 16 Jun 2017 04:49:56 +0000

Local clock offset: -5.715 ms

Remote clock offset: -2.867 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:44:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.97 Mbit/s

95th percentile per-packet one-way delay: 15.905 ms

Loss rate: 0.13%

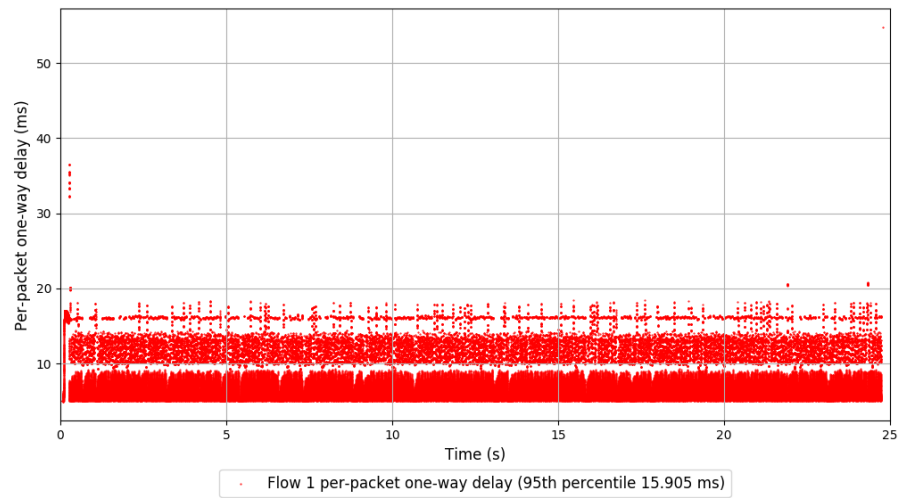
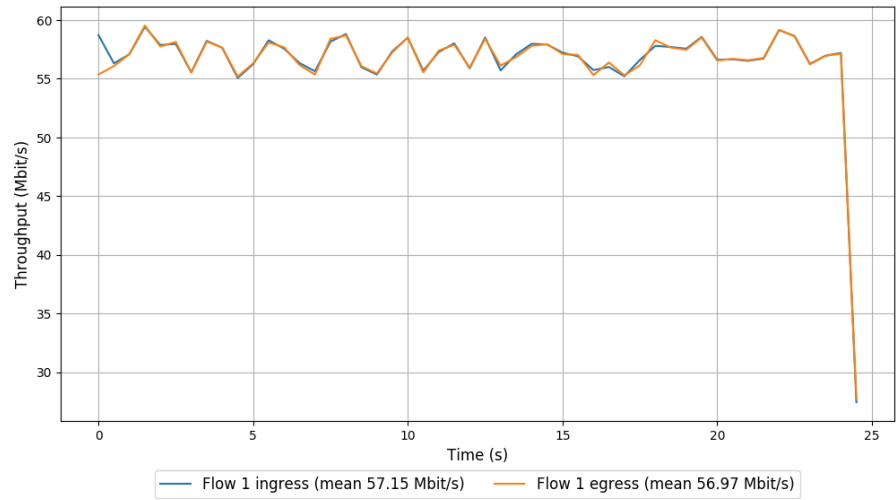
-- Flow 1:

Average throughput: 56.97 Mbit/s

95th percentile per-packet one-way delay: 15.905 ms

Loss rate: 0.13%

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



Run 10: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 05:08:02 +0000

End at: Fri, 16 Jun 2017 05:08:32 +0000

Local clock offset: -5.392 ms

Remote clock offset: -2.593 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:44:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.27 Mbit/s

95th percentile per-packet one-way delay: 13.102 ms

Loss rate: 0.09%

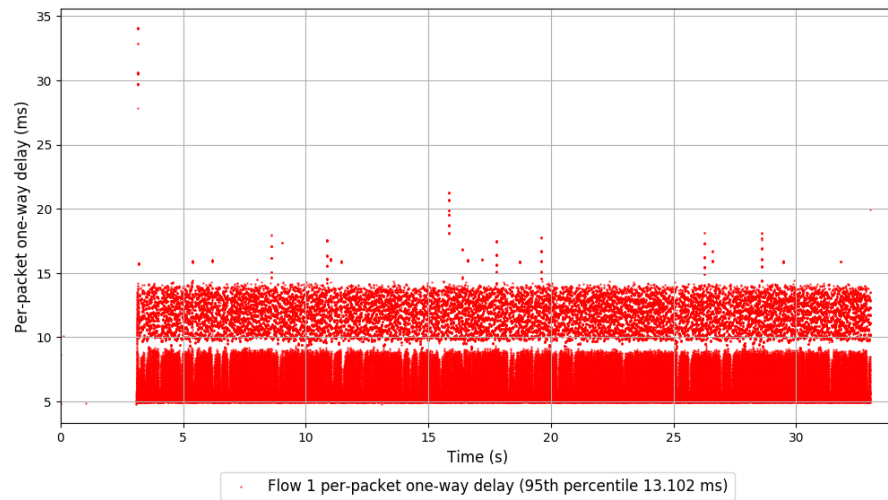
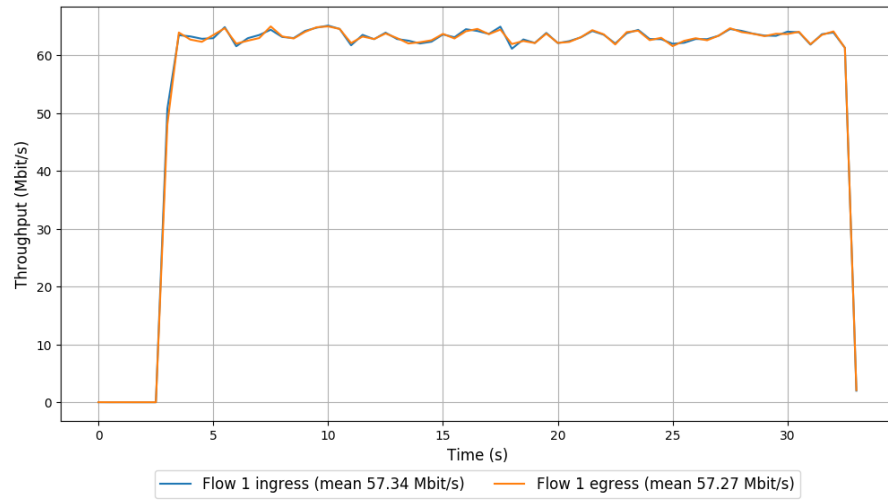
-- Flow 1:

Average throughput: 57.27 Mbit/s

95th percentile per-packet one-way delay: 13.102 ms

Loss rate: 0.09%

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



Run 1: Statistics of Verus

Start at: Fri, 16 Jun 2017 02:14:06 +0000

End at: Fri, 16 Jun 2017 02:14:36 +0000

Local clock offset: -8.261 ms

Remote clock offset: 2.299 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:44:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 18.95 Mbit/s

95th percentile per-packet one-way delay: 31.830 ms

Loss rate: 24.58%

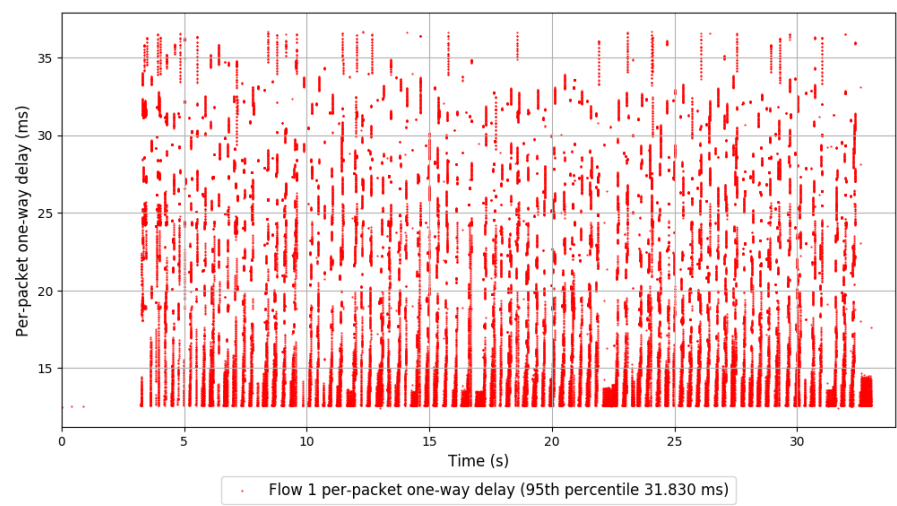
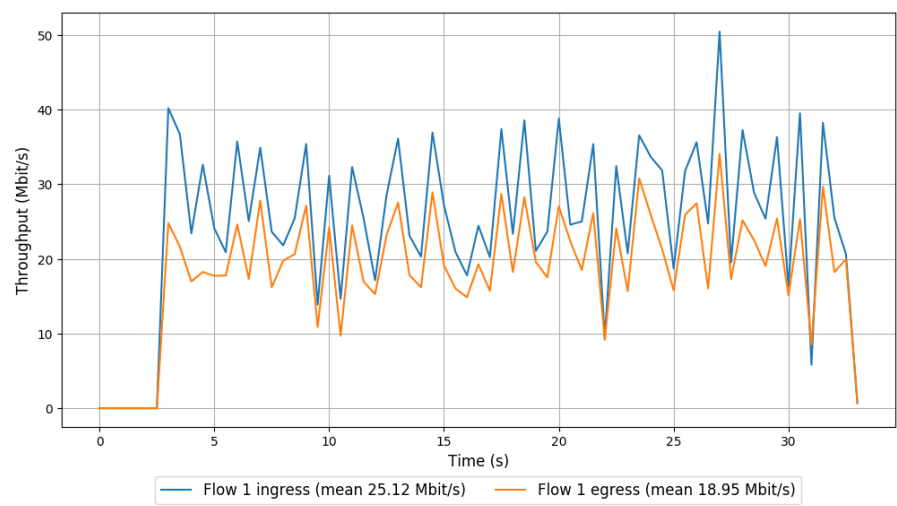
-- Flow 1:

Average throughput: 18.95 Mbit/s

95th percentile per-packet one-way delay: 31.830 ms

Loss rate: 24.58%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Fri, 16 Jun 2017 02:32:46 +0000

End at: Fri, 16 Jun 2017 02:33:16 +0000

Local clock offset: -2.733 ms

Remote clock offset: 0.94 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:44:34 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.76 Mbit/s

95th percentile per-packet one-way delay: 27.084 ms

Loss rate: 27.51%

-- Flow 1:

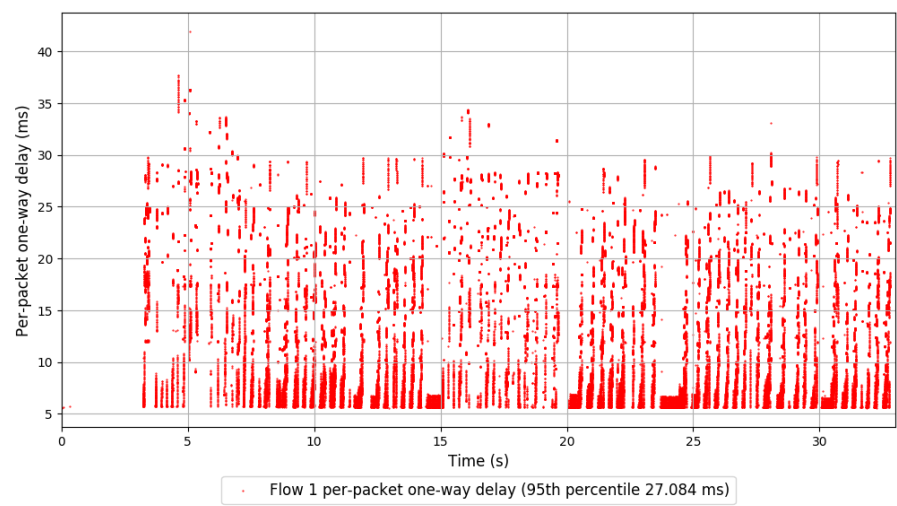
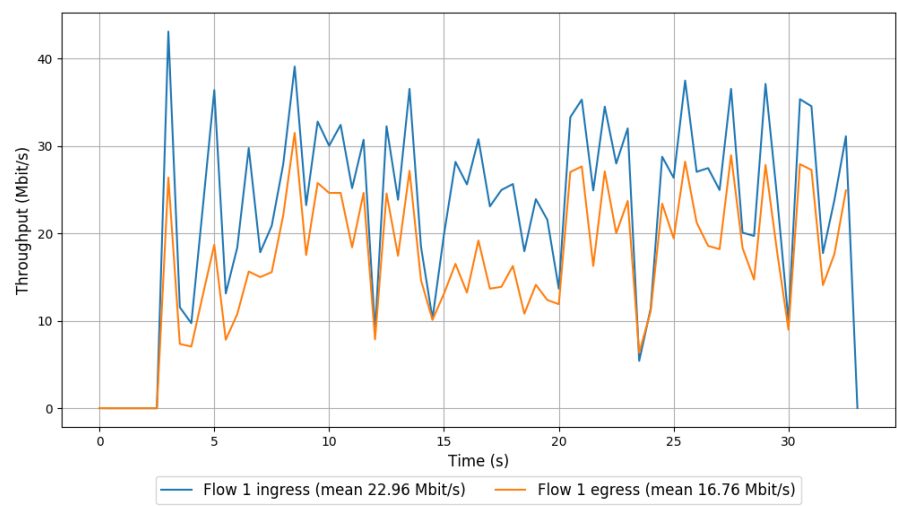
Average throughput: 16.76 Mbit/s

95th percentile per-packet one-way delay: 27.084 ms

Loss rate: 27.51%



Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Fri, 16 Jun 2017 02:51:00 +0000

End at: Fri, 16 Jun 2017 02:51:31 +0000

Local clock offset: -0.697 ms

Remote clock offset: -0.378 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:44:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.60 Mbit/s

95th percentile per-packet one-way delay: 24.607 ms

Loss rate: 32.04%

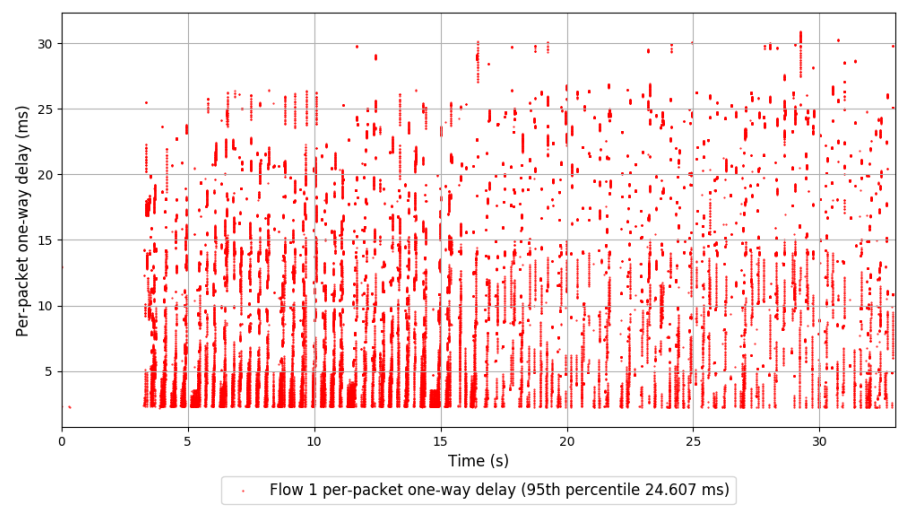
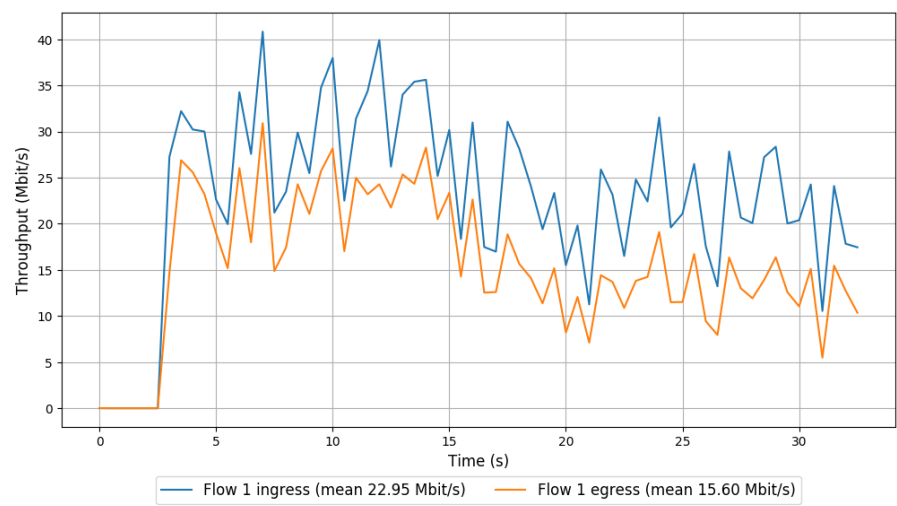
-- Flow 1:

Average throughput: 15.60 Mbit/s

95th percentile per-packet one-way delay: 24.607 ms

Loss rate: 32.04%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Fri, 16 Jun 2017 03:09:26 +0000

End at: Fri, 16 Jun 2017 03:09:56 +0000

Local clock offset: 0.14 ms

Remote clock offset: -1.546 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:44:45 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 26.070 ms

Loss rate: 42.81%

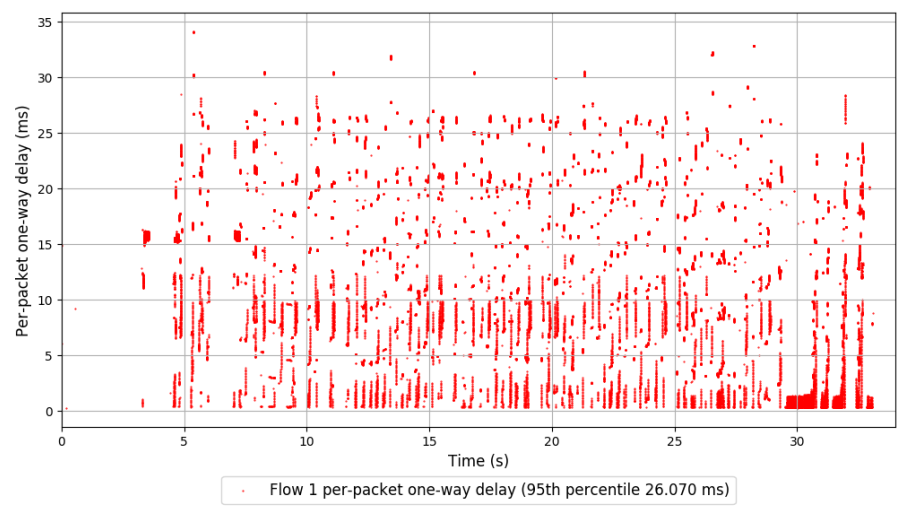
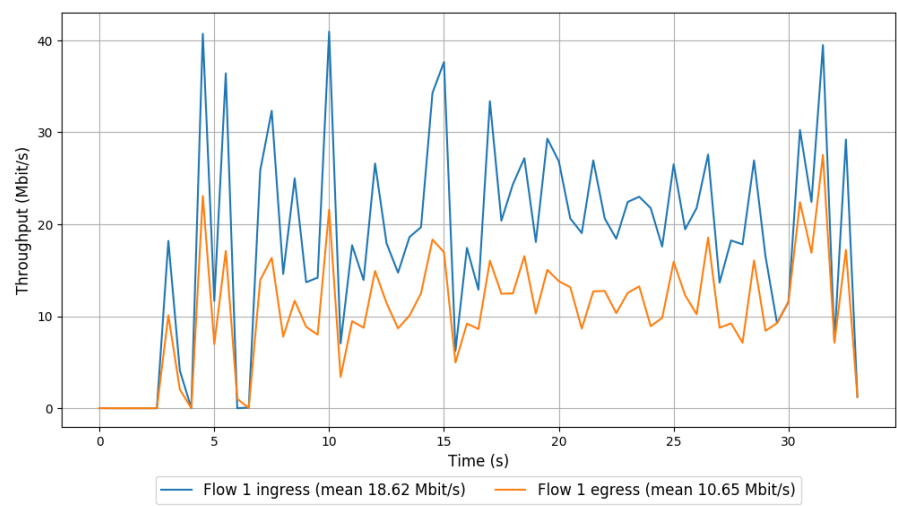
-- Flow 1:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 26.070 ms

Loss rate: 42.81%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Fri, 16 Jun 2017 03:27:54 +0000

End at: Fri, 16 Jun 2017 03:28:24 +0000

Local clock offset: 1.185 ms

Remote clock offset: -2.278 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:44:53 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 18.68 Mbit/s

95th percentile per-packet one-way delay: 19.205 ms

Loss rate: 26.97%

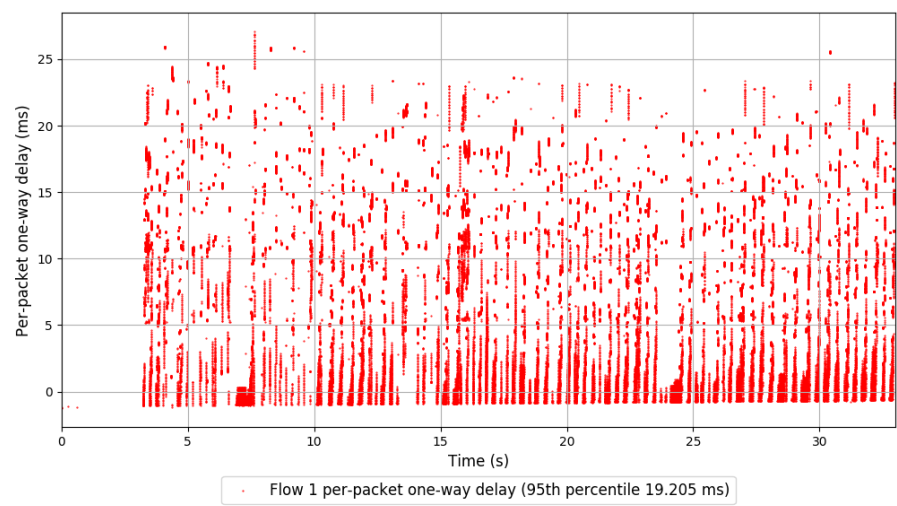
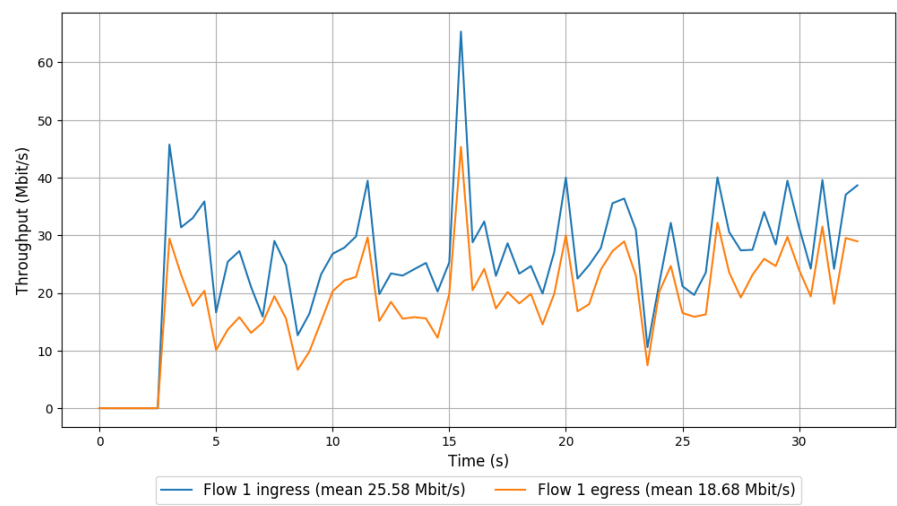
-- Flow 1:

Average throughput: 18.68 Mbit/s

95th percentile per-packet one-way delay: 19.205 ms

Loss rate: 26.97%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Fri, 16 Jun 2017 03:46:25 +0000

End at: Fri, 16 Jun 2017 03:46:55 +0000

Local clock offset: -3.885 ms

Remote clock offset: -2.897 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.53 Mbit/s

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

Loss rate: 29.21%

-- Flow 1:

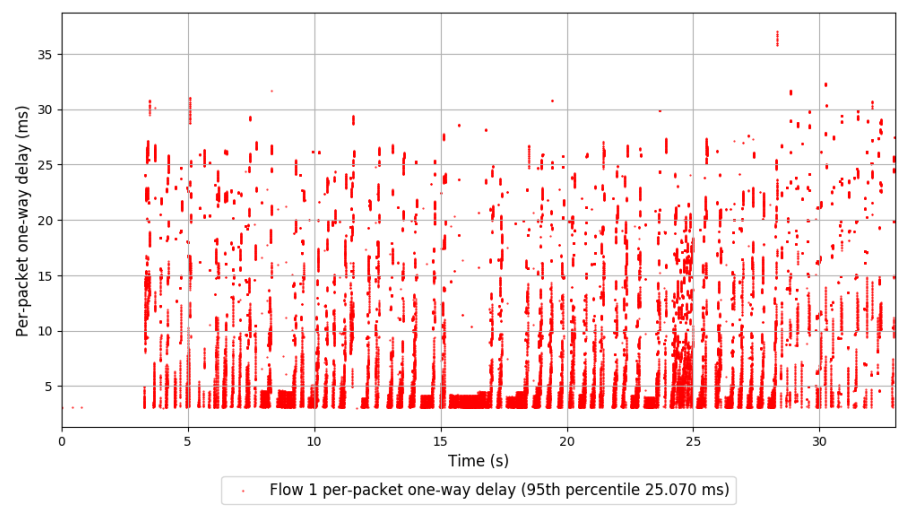
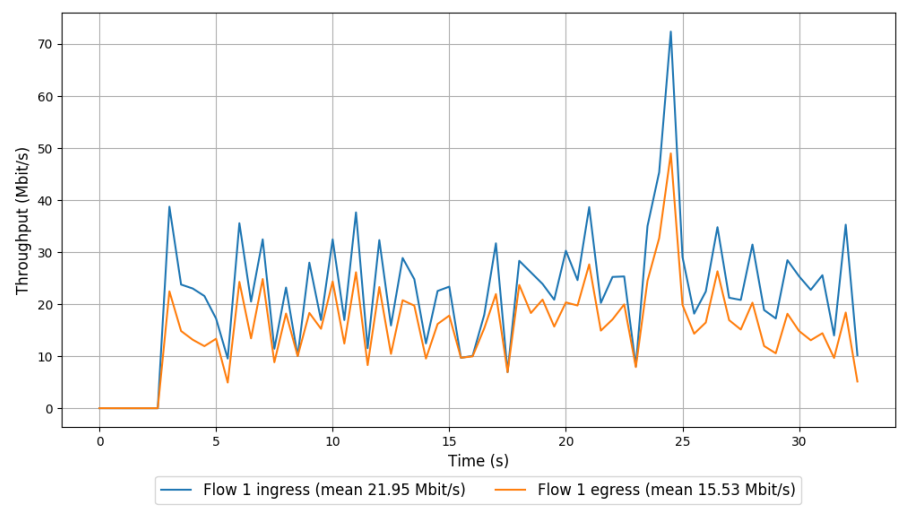
Average throughput: 15.53 Mbit/s

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

Loss rate: 29.21%



Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Fri, 16 Jun 2017 04:04:44 +0000

End at: Fri, 16 Jun 2017 04:05:14 +0000

Local clock offset: -4.162 ms

Remote clock offset: -3.334 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:08 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.58 Mbit/s

95th percentile per-packet one-way delay: 24.192 ms

Loss rate: 29.81%

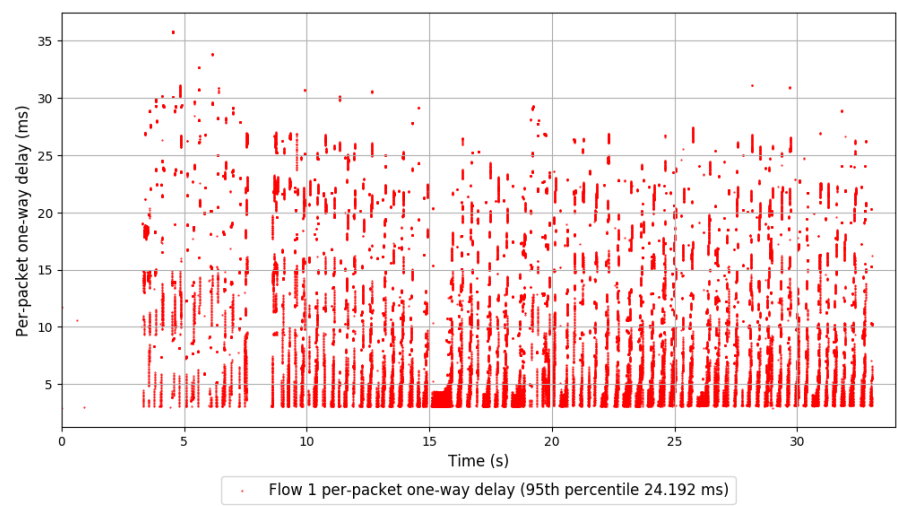
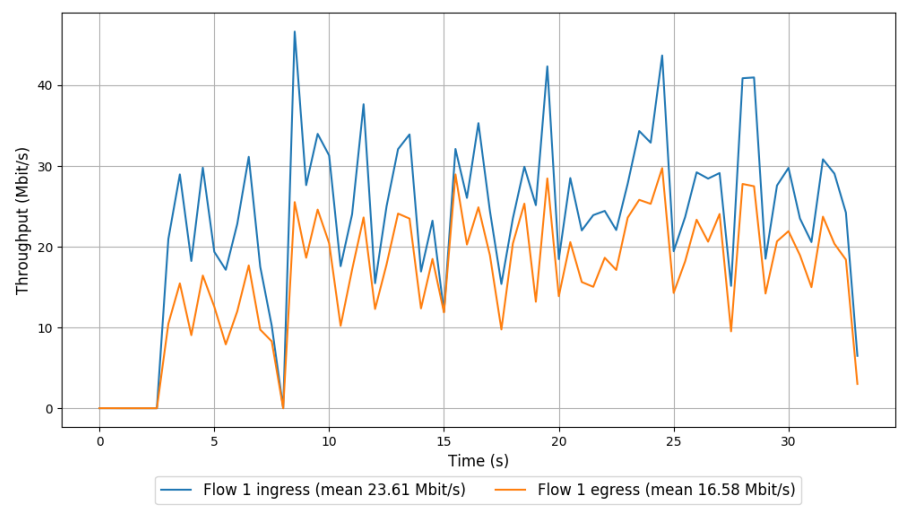
-- Flow 1:

Average throughput: 16.58 Mbit/s

95th percentile per-packet one-way delay: 24.192 ms

Loss rate: 29.81%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Fri, 16 Jun 2017 04:23:02 +0000

End at: Fri, 16 Jun 2017 04:23:32 +0000

Local clock offset: -5.936 ms

Remote clock offset: -3.091 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:16 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 18.73 Mbit/s

95th percentile per-packet one-way delay: 23.986 ms

Loss rate: 23.21%

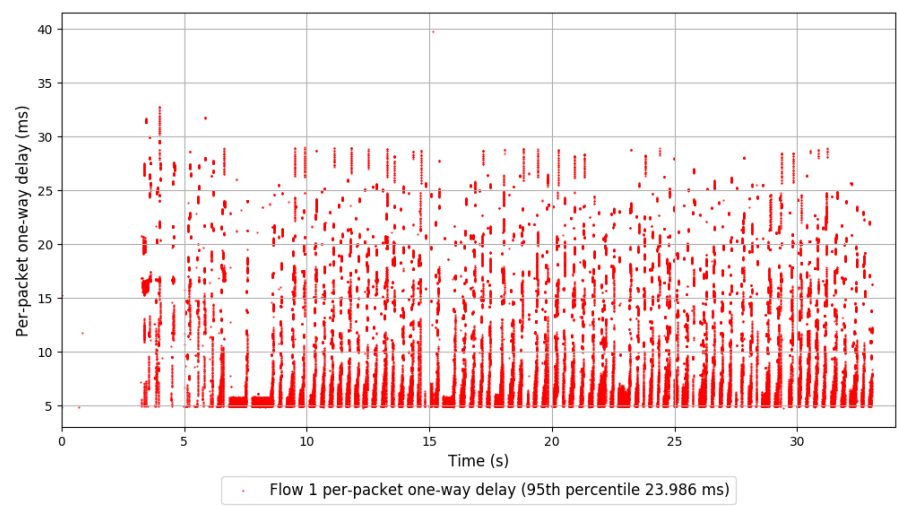
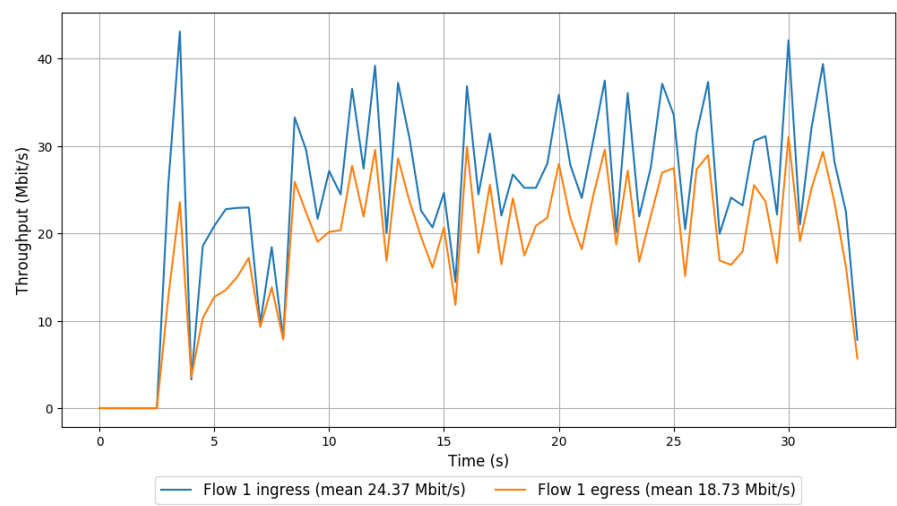
-- Flow 1:

Average throughput: 18.73 Mbit/s

95th percentile per-packet one-way delay: 23.986 ms

Loss rate: 23.21%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Fri, 16 Jun 2017 04:41:18 +0000

End at: Fri, 16 Jun 2017 04:41:48 +0000

Local clock offset: -5.746 ms

Remote clock offset: -2.956 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 17.40 Mbit/s

95th percentile per-packet one-way delay: 25.787 ms

Loss rate: 26.75%

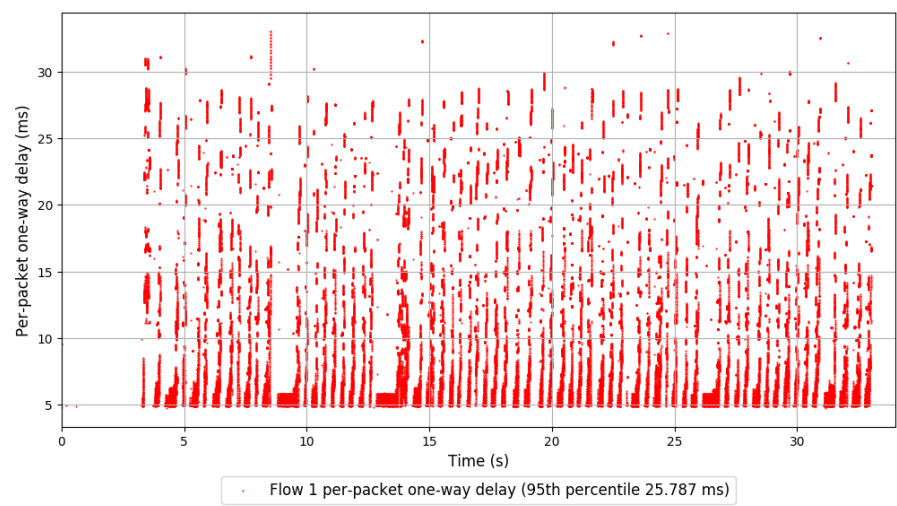
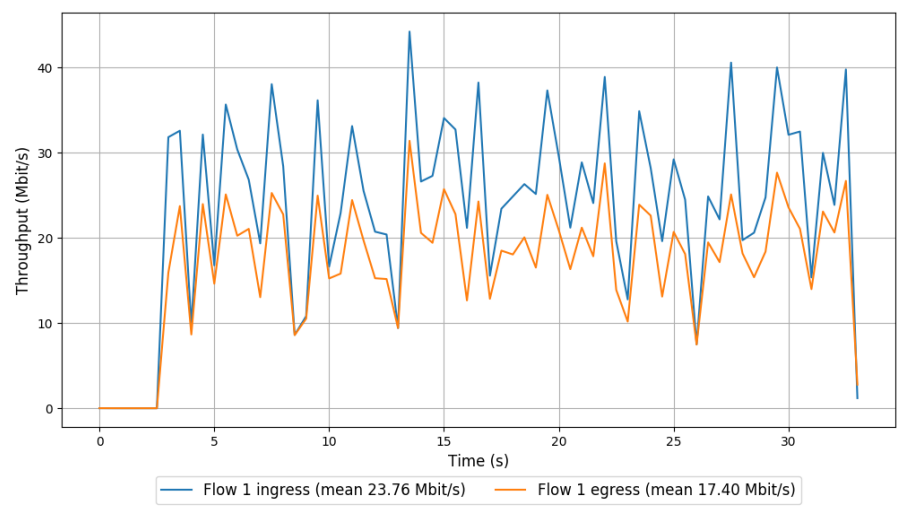
-- Flow 1:

Average throughput: 17.40 Mbit/s

95th percentile per-packet one-way delay: 25.787 ms

Loss rate: 26.75%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Fri, 16 Jun 2017 04:59:48 +0000

End at: Fri, 16 Jun 2017 05:00:18 +0000

Local clock offset: -5.72 ms

Remote clock offset: -2.638 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 17.38 Mbit/s

95th percentile per-packet one-way delay: 25.884 ms

Loss rate: 28.38%

-- Flow 1:

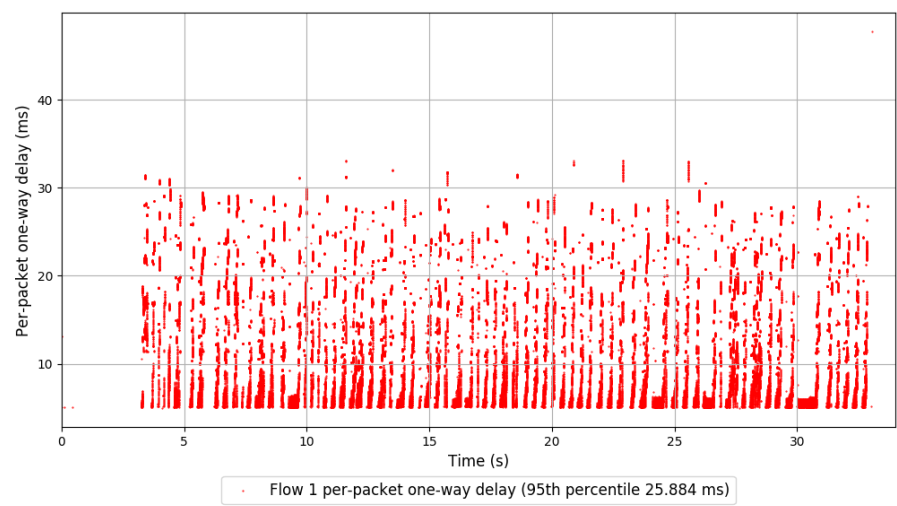
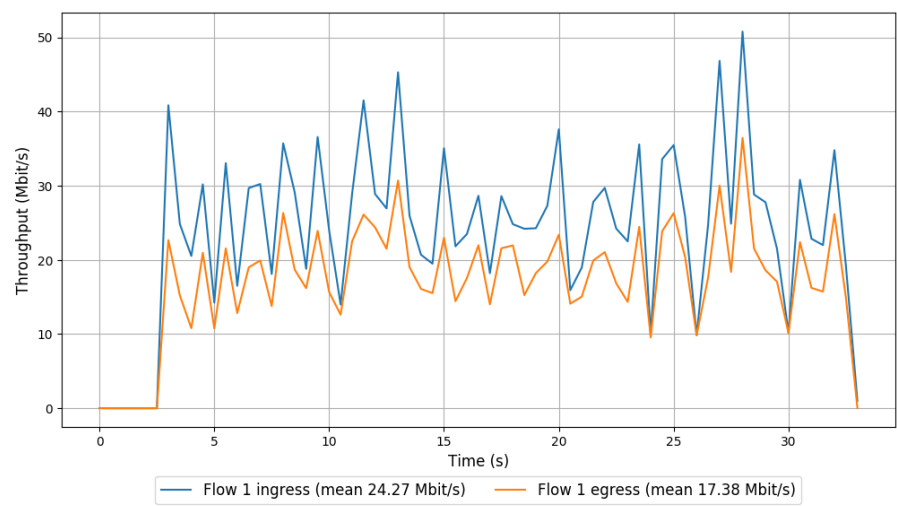
Average throughput: 17.38 Mbit/s

95th percentile per-packet one-way delay: 25.884 ms

Loss rate: 28.38%



Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 02:15:17 +0000

End at: Fri, 16 Jun 2017 02:15:47 +0000

Local clock offset: -8.239 ms

Remote clock offset: 2.262 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 34.904 ms

Loss rate: 0.29%

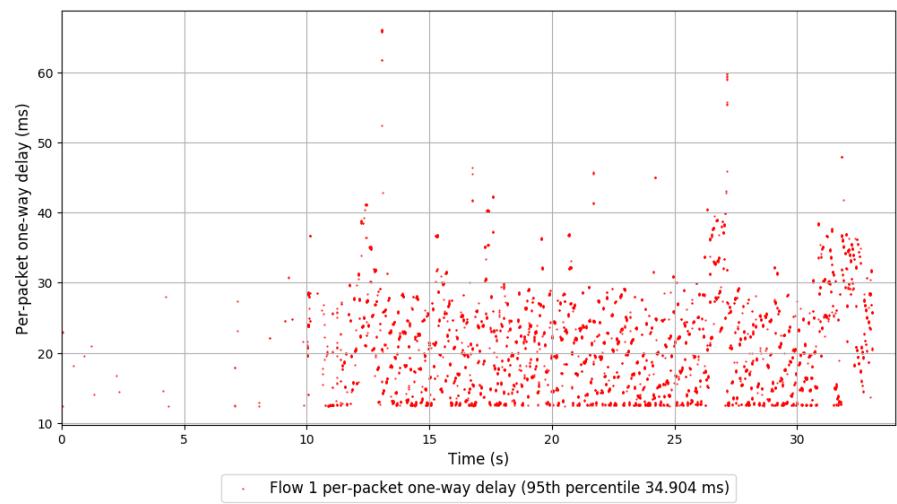
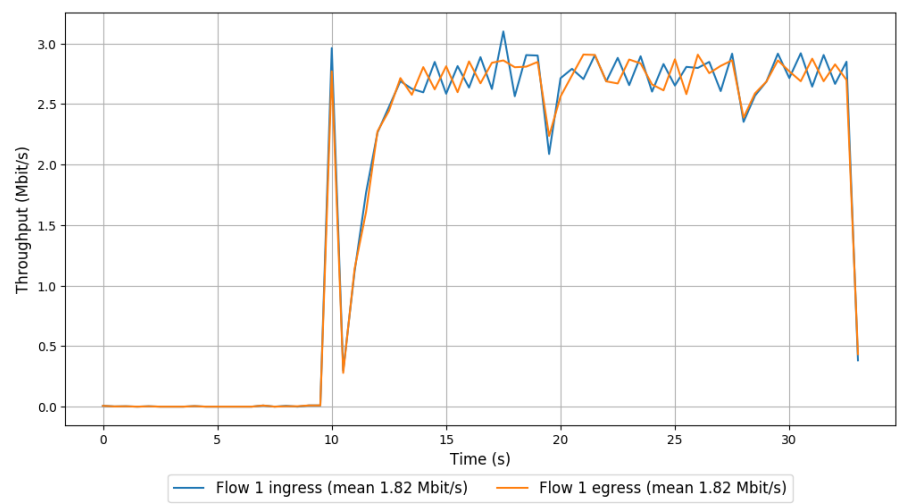
-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 34.904 ms

Loss rate: 0.29%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 02:33:57 +0000

End at: Fri, 16 Jun 2017 02:34:27 +0000

Local clock offset: -2.647 ms

Remote clock offset: 0.767 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 25.944 ms

Loss rate: 0.41%

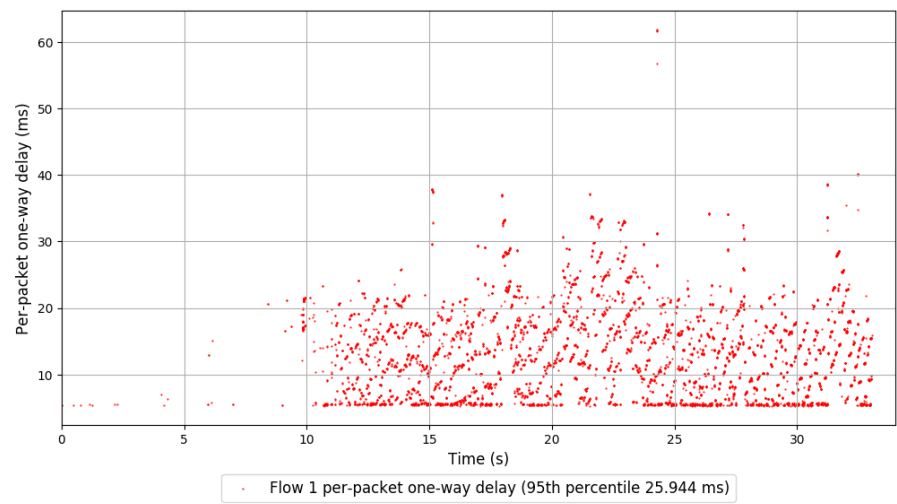
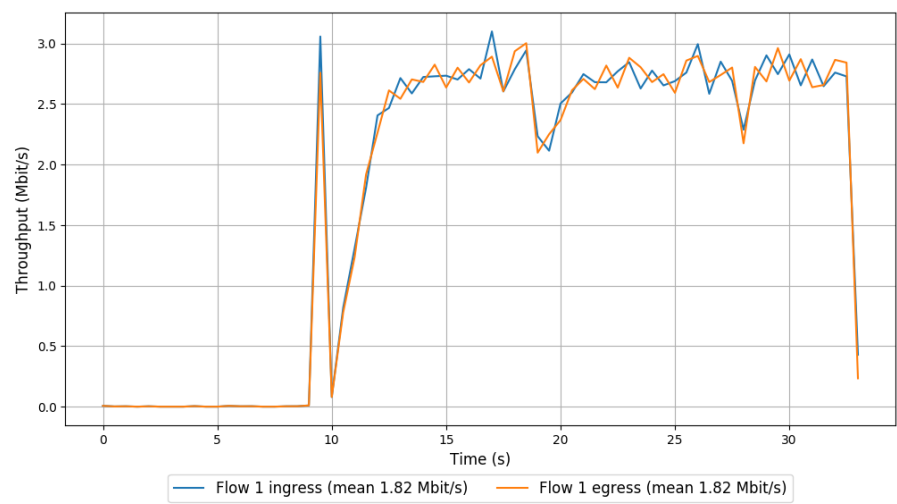
-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 25.944 ms

Loss rate: 0.41%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 02:52:11 +0000

End at: Fri, 16 Jun 2017 02:52:41 +0000

Local clock offset: -0.515 ms

Remote clock offset: -0.53 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:39 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 23.130 ms

Loss rate: 0.33%

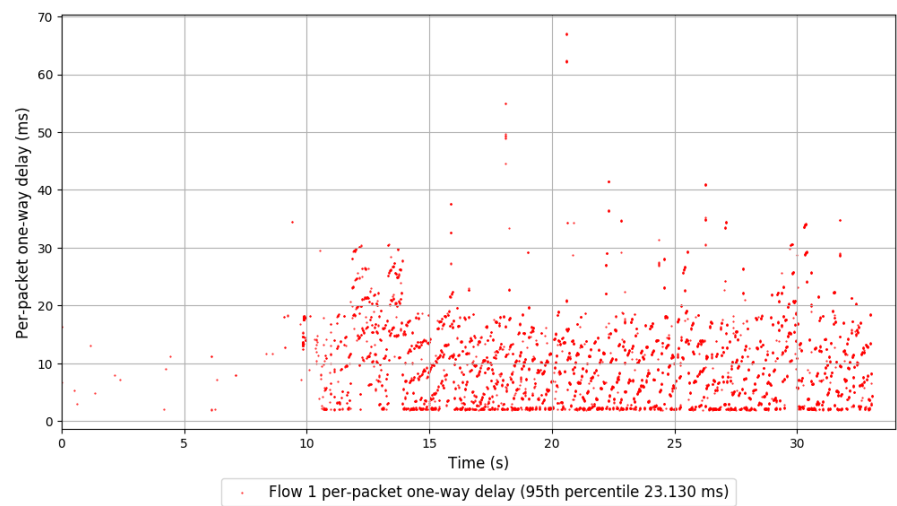
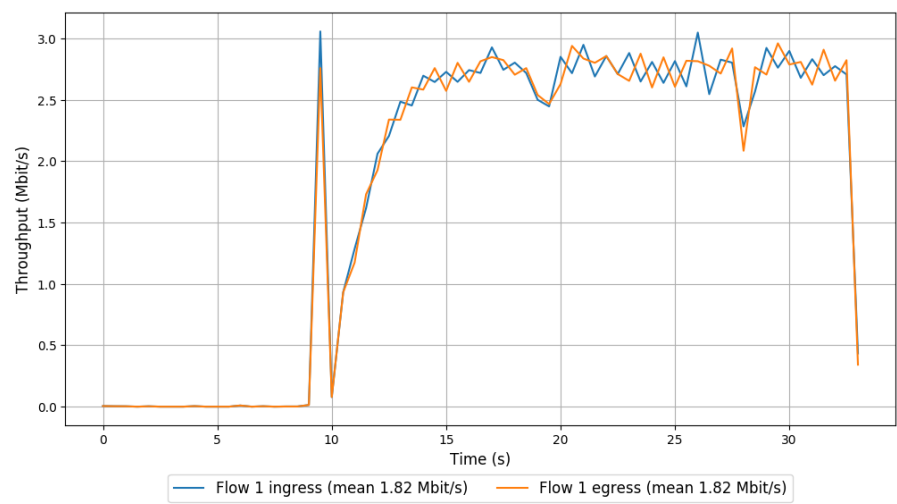
-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 23.130 ms

Loss rate: 0.33%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 03:10:35 +0000

End at: Fri, 16 Jun 2017 03:11:05 +0000

Local clock offset: 0.222 ms

Remote clock offset: -1.615 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:45 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 16.827 ms

Loss rate: 0.47%

-- Flow 1:

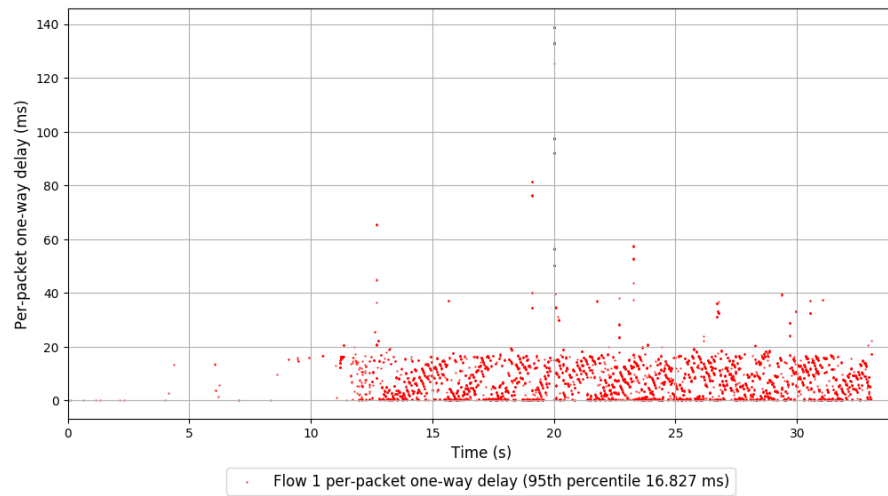
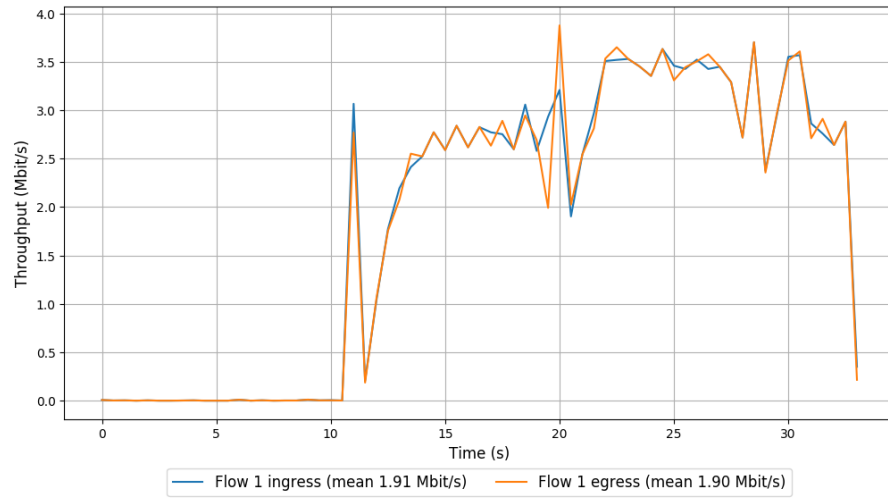
Average throughput: 1.90 Mbit/s

95th percentile per-packet one-way delay: 16.827 ms

Loss rate: 0.47%



#### Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 03:29:06 +0000

End at: Fri, 16 Jun 2017 03:29:36 +0000

Local clock offset: 0.151 ms

Remote clock offset: -2.336 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:45 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 20.880 ms

Loss rate: 0.38%

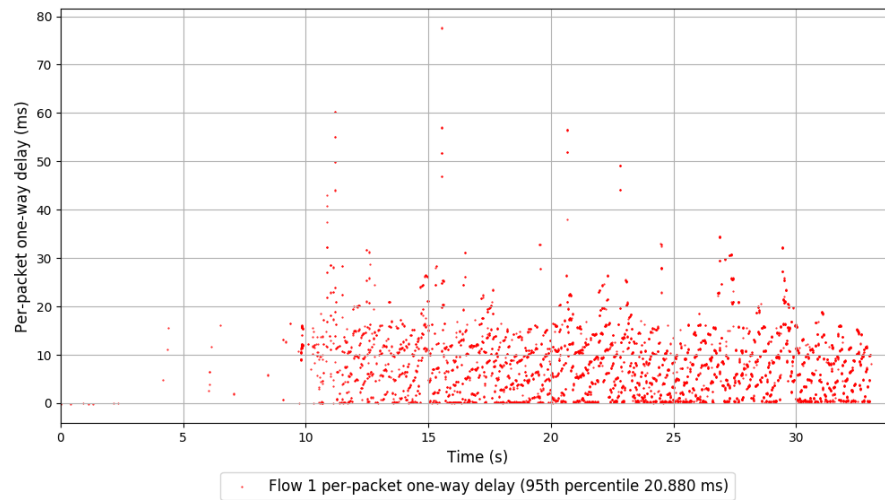
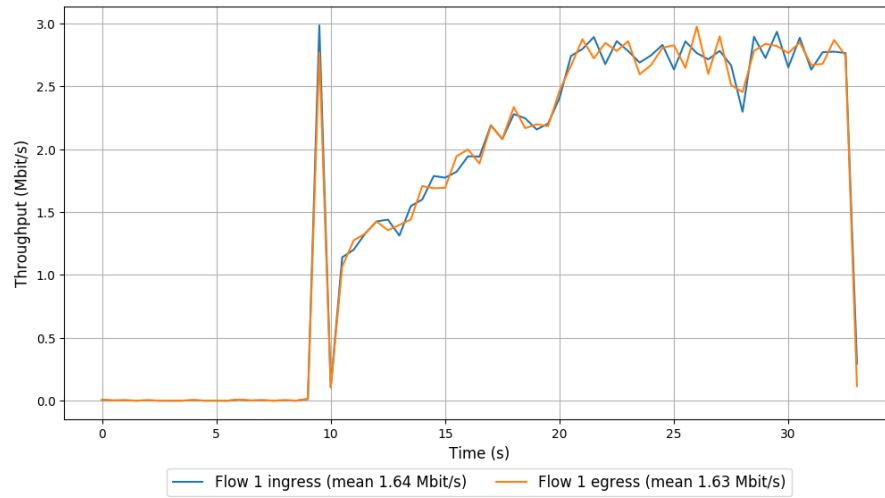
-- Flow 1:

Average throughput: 1.63 Mbit/s

95th percentile per-packet one-way delay: 20.880 ms

Loss rate: 0.38%

## Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 03:47:36 +0000

End at: Fri, 16 Jun 2017 03:48:06 +0000

Local clock offset: -3.961 ms

Remote clock offset: -2.949 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:51 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 28.201 ms

Loss rate: 0.17%

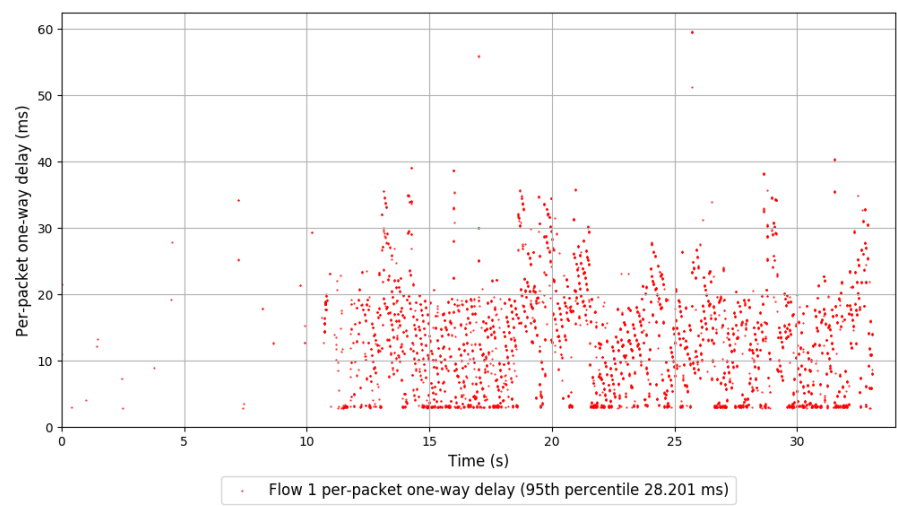
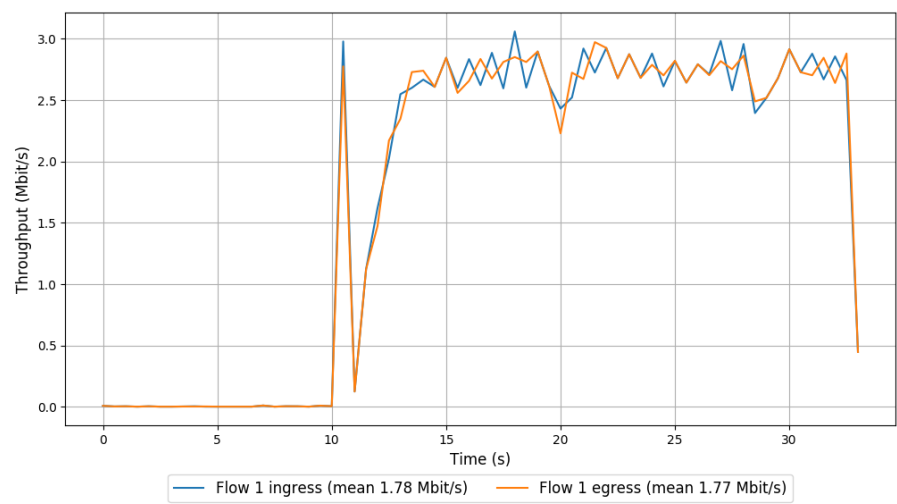
-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 28.201 ms

Loss rate: 0.17%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 04:06:00 +0000

End at: Fri, 16 Jun 2017 04:06:30 +0000

Local clock offset: -4.336 ms

Remote clock offset: -3.34 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 20.772 ms

Loss rate: 0.17%

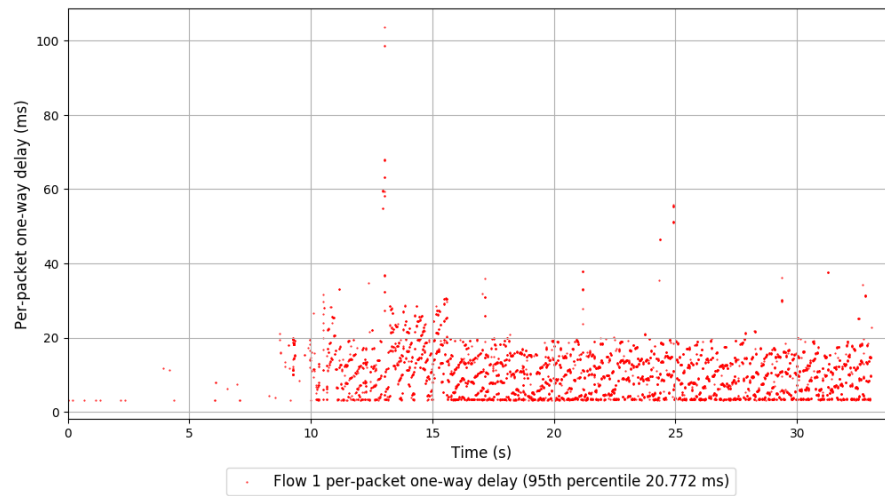
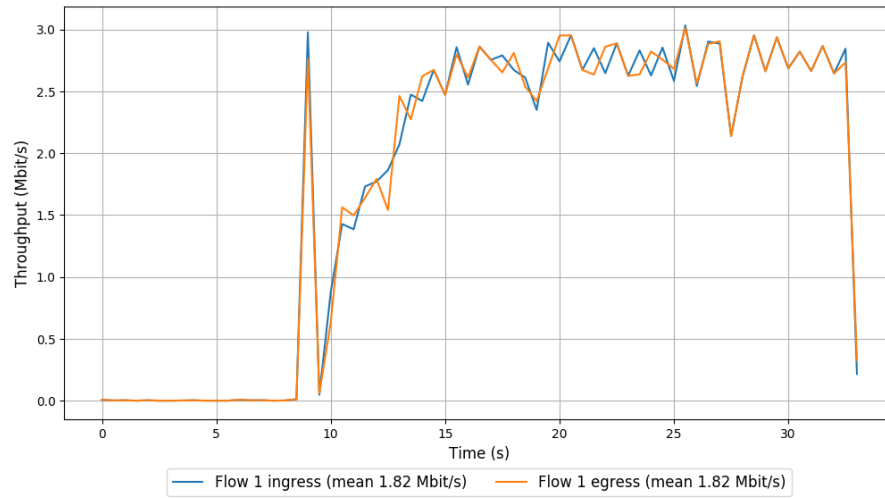
-- Flow 1:

Average throughput: 1.82 Mbit/s

95th percentile per-packet one-way delay: 20.772 ms

Loss rate: 0.17%

## Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 04:24:13 +0000

End at: Fri, 16 Jun 2017 04:24:43 +0000

Local clock offset: -5.885 ms

Remote clock offset: -3.078 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 26.158 ms

Loss rate: 0.21%

-- Flow 1:

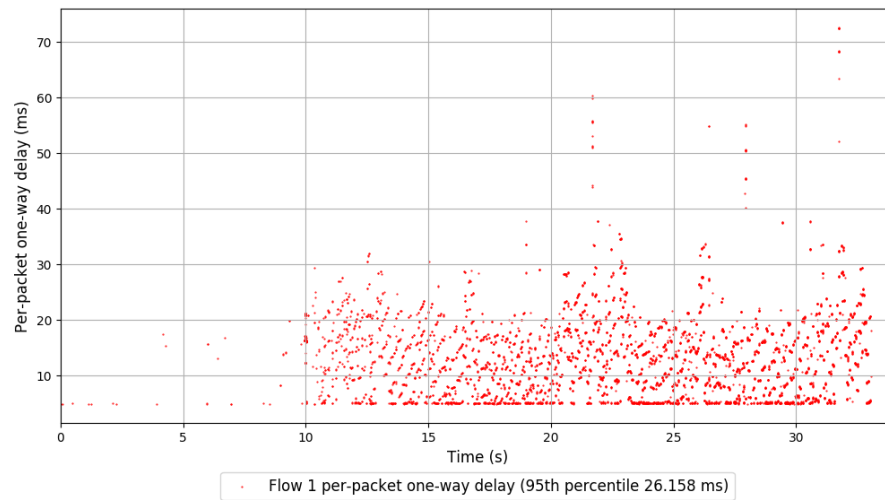
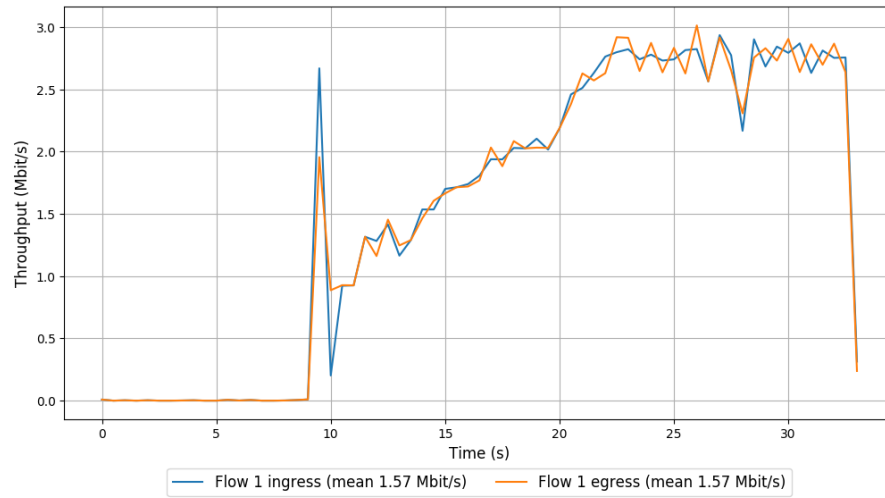
Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 26.158 ms

Loss rate: 0.21%



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



Run 9: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 04:42:29 +0000

End at: Fri, 16 Jun 2017 04:42:59 +0000

Local clock offset: -5.781 ms

Remote clock offset: -2.977 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:45:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 26.573 ms

Loss rate: 0.58%

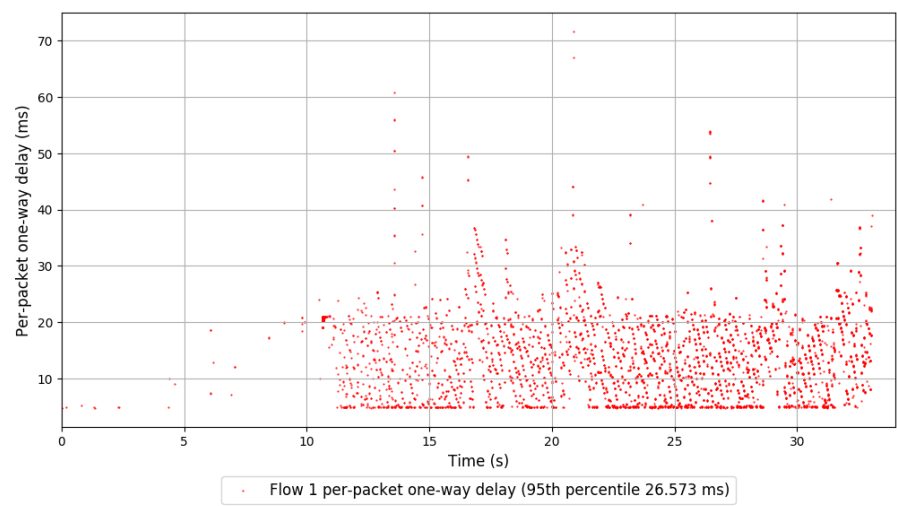
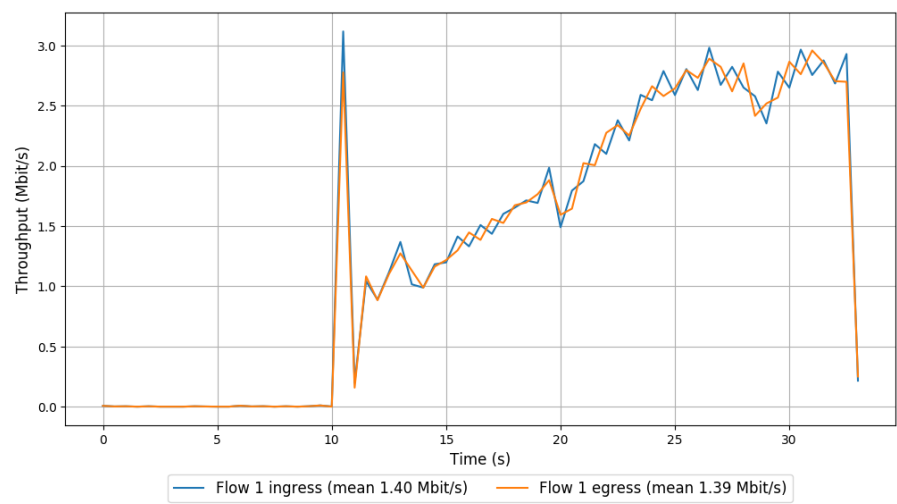
-- Flow 1:

Average throughput: 1.39 Mbit/s

95th percentile per-packet one-way delay: 26.573 ms

Loss rate: 0.58%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 05:01:00 +0000

End at: Fri, 16 Jun 2017 05:01:30 +0000

Local clock offset: -5.657 ms

Remote clock offset: -2.631 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 07:46:02 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 29.297 ms

Loss rate: 0.43%

-- Flow 1:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 29.297 ms

Loss rate: 0.43%

Run 10: Report of WebRTC media — Data Link

