

Pantheon Summary (Generated at Tue, 13 Jun 2017 14:54:02 +0000 with
pantheon version a78272c2fc2acc3dce256a4fe0c8be153bc74953)

Repeated the test of 15 congestion control schemes 10 times.

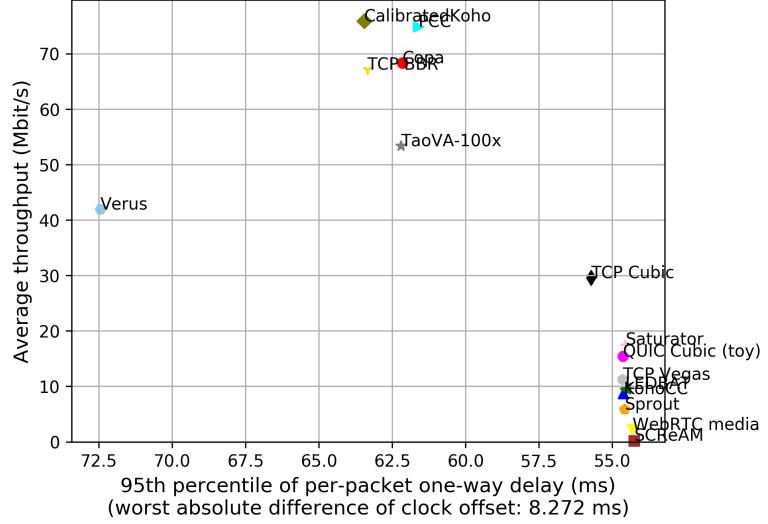
Each test lasted for 30 seconds running 1 flow.

Data path **from** Colombia Ethernet **to** AWS Brazil 2 Ethernet.

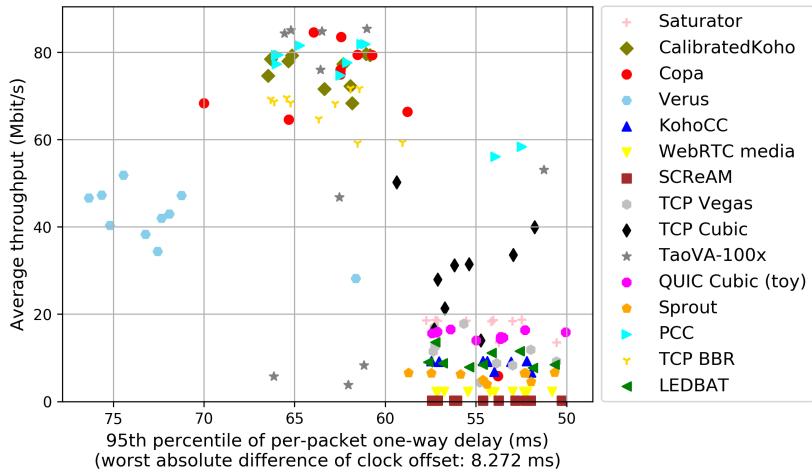
NTP offset measured against gps.ntp.br.

```
git branch: master @ a78272c2fc2acc3dce256a4fe0c8be153bc74953
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-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efef6e088d91066a9f023df375eee2665089ce
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
```

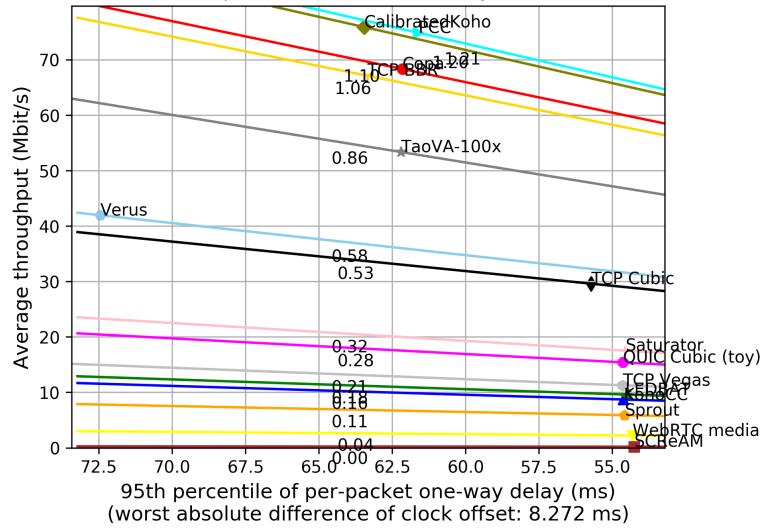
test from Colombia Ethernet to AWS Brazil 2 Ethernet, runs 10 of 30s each per scheme
mean of all runs by scheme



test from Colombia Ethernet to AWS Brazil 2 Ethernet, runs 10 of 30s each per scheme



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

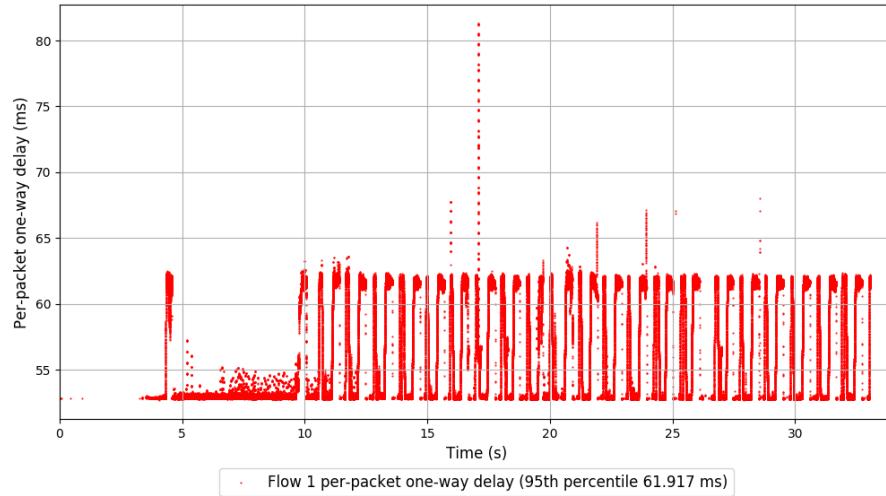
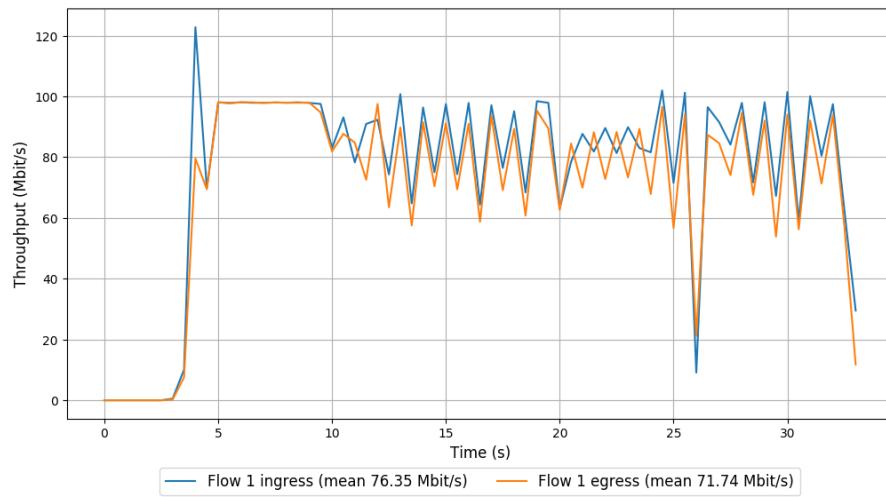


Run 1: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 10:45:58 +0000
End at: Tue, 13 Jun 2017 10:46:28 +0000
Local clock offset: 4.035 ms
Remote clock offset: -1.56 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:45:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.74 Mbit/s
95th percentile per-packet one-way delay: 61.917 ms
Loss rate: 6.36%
-- Flow 1:
Average throughput: 71.74 Mbit/s
95th percentile per-packet one-way delay: 61.917 ms
Loss rate: 6.36%
```

Run 1: Report of TCP BBR — Data Link

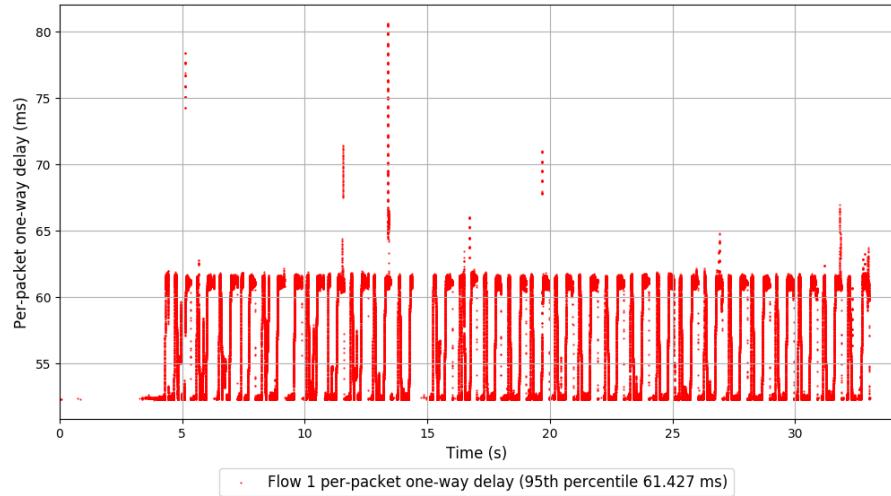
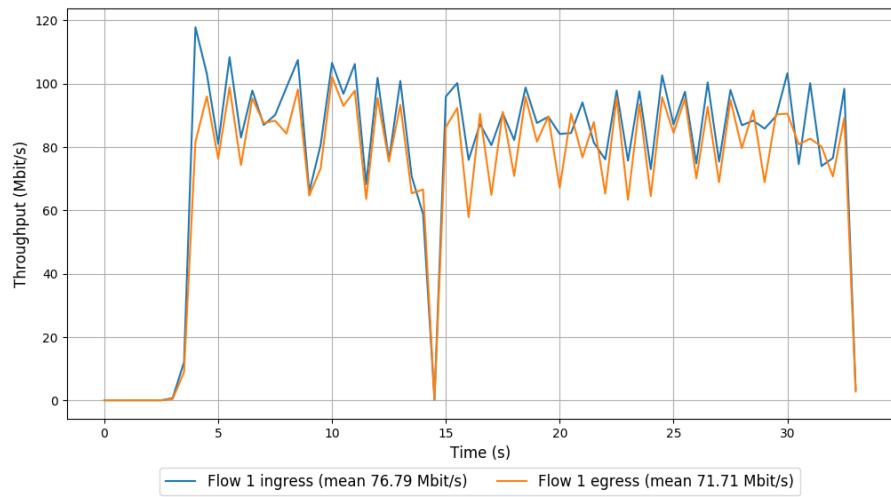


Run 2: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 11:05:31 +0000
End at: Tue, 13 Jun 2017 11:06:01 +0000
Local clock offset: 3.957 ms
Remote clock offset: -1.599 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:45:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.71 Mbit/s
95th percentile per-packet one-way delay: 61.427 ms
Loss rate: 6.97%
-- Flow 1:
Average throughput: 71.71 Mbit/s
95th percentile per-packet one-way delay: 61.427 ms
Loss rate: 6.97%
```

Run 2: Report of TCP BBR — Data Link

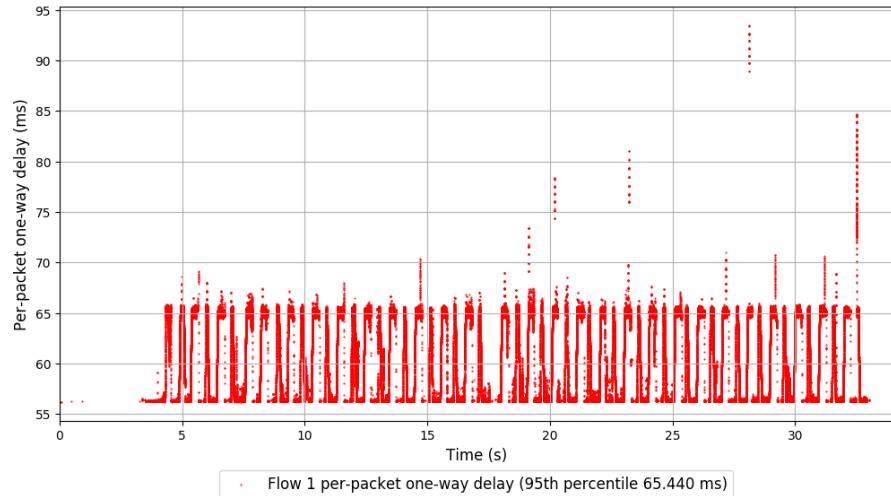
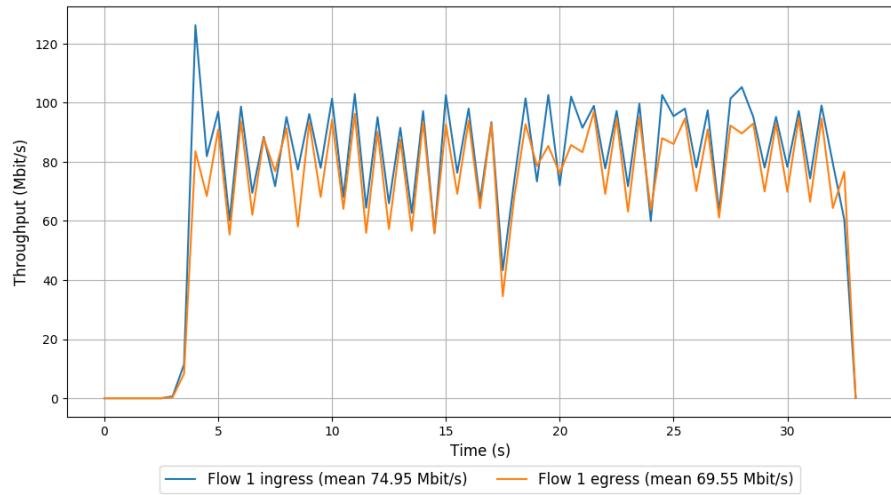


Run 3: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 11:25:12 +0000
End at: Tue, 13 Jun 2017 11:25:42 +0000
Local clock offset: -0.228 ms
Remote clock offset: -2.215 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:46:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 65.440 ms
Loss rate: 7.53%
-- Flow 1:
Average throughput: 69.55 Mbit/s
95th percentile per-packet one-way delay: 65.440 ms
Loss rate: 7.53%
```

Run 3: Report of TCP BBR — Data Link

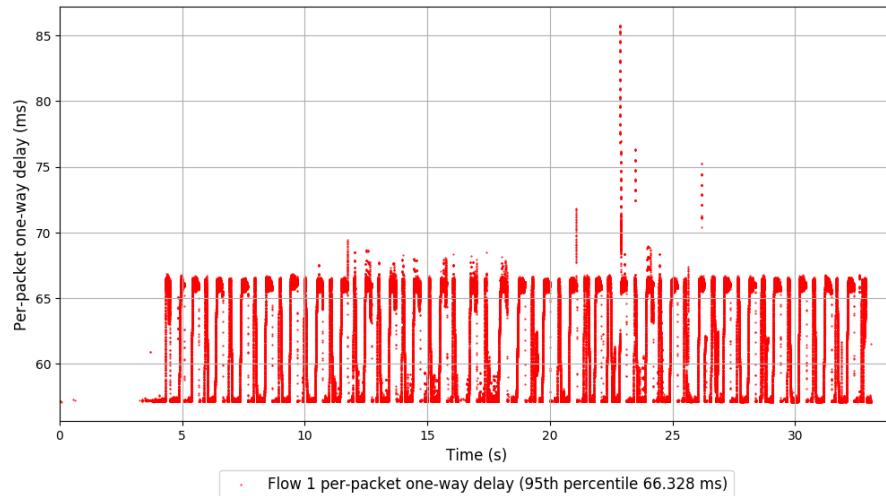
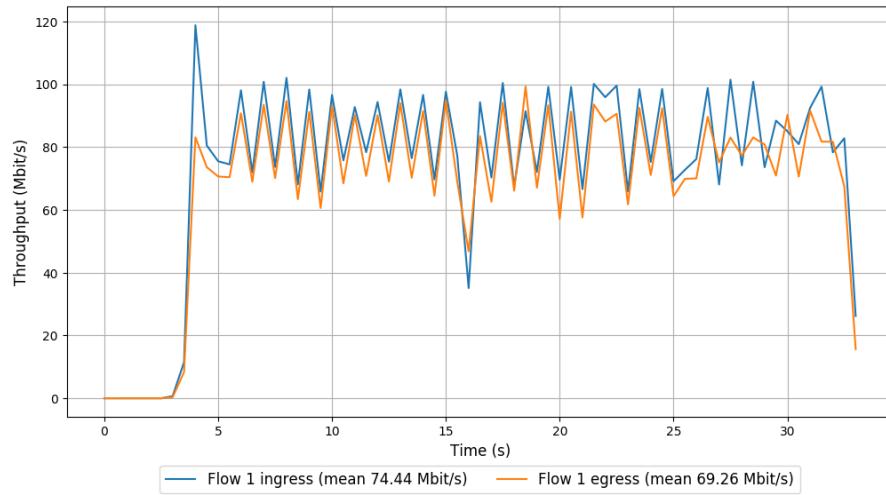


Run 4: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 11:44:52 +0000
End at: Tue, 13 Jun 2017 11:45:22 +0000
Local clock offset: -1.121 ms
Remote clock offset: -2.005 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:46:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.26 Mbit/s
95th percentile per-packet one-way delay: 66.328 ms
Loss rate: 7.28%
-- Flow 1:
Average throughput: 69.26 Mbit/s
95th percentile per-packet one-way delay: 66.328 ms
Loss rate: 7.28%
```

Run 4: Report of TCP BBR — Data Link

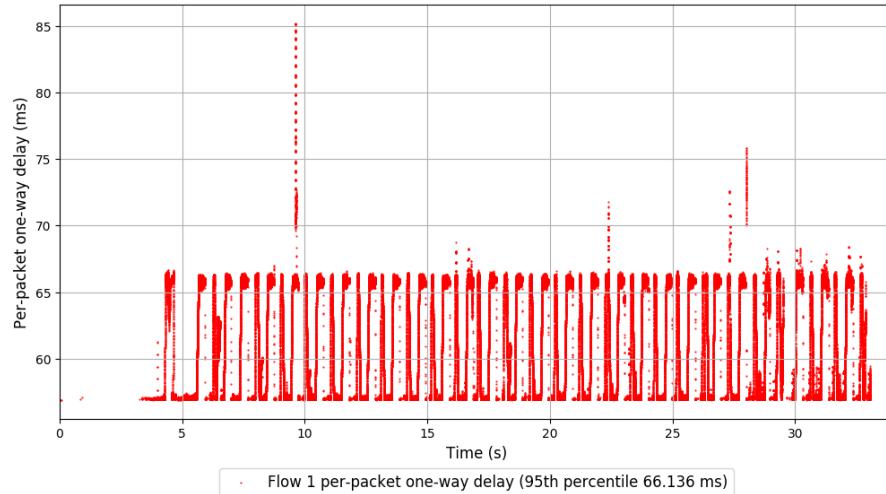
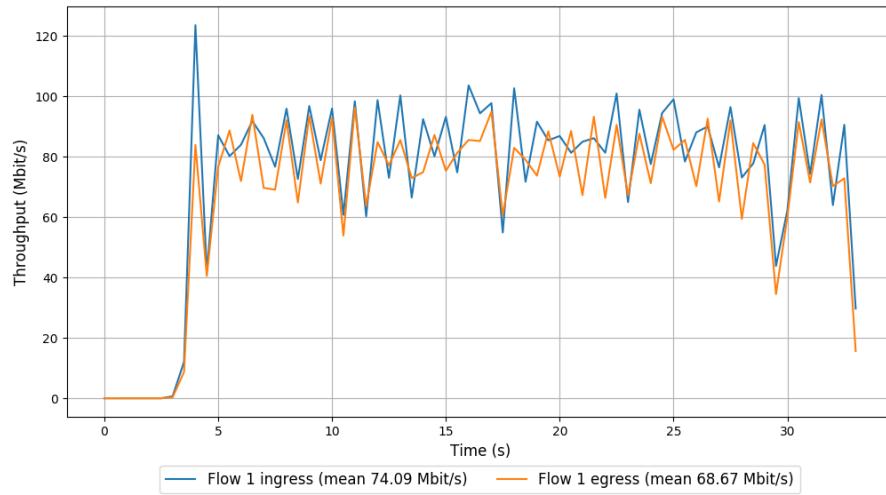


Run 5: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 12:04:35 +0000
End at: Tue, 13 Jun 2017 12:05:05 +0000
Local clock offset: -0.719 ms
Remote clock offset: -1.883 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:46:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 66.136 ms
Loss rate: 7.64%
-- Flow 1:
Average throughput: 68.67 Mbit/s
95th percentile per-packet one-way delay: 66.136 ms
Loss rate: 7.64%
```

Run 5: Report of TCP BBR — Data Link

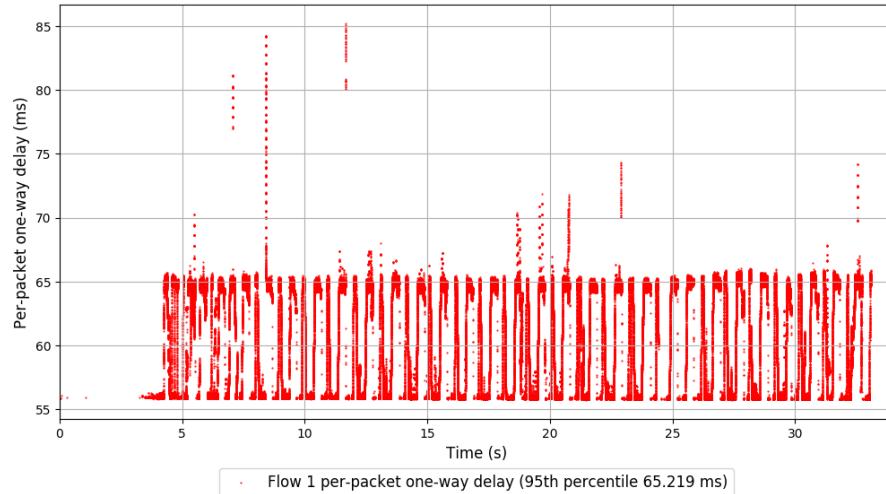
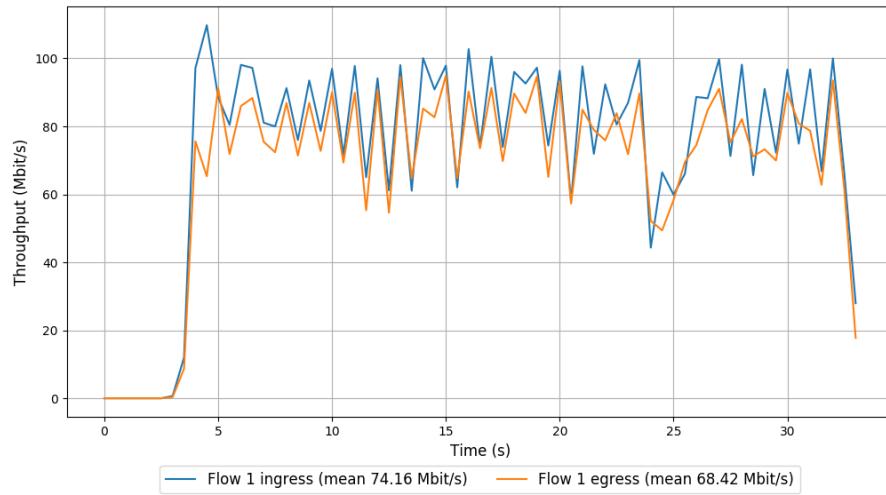


Run 6: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 12:24:06 +0000
End at: Tue, 13 Jun 2017 12:24:37 +0000
Local clock offset: 0.706 ms
Remote clock offset: -1.593 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:46:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.42 Mbit/s
95th percentile per-packet one-way delay: 65.219 ms
Loss rate: 8.06%
-- Flow 1:
Average throughput: 68.42 Mbit/s
95th percentile per-packet one-way delay: 65.219 ms
Loss rate: 8.06%
```

Run 6: Report of TCP BBR — Data Link

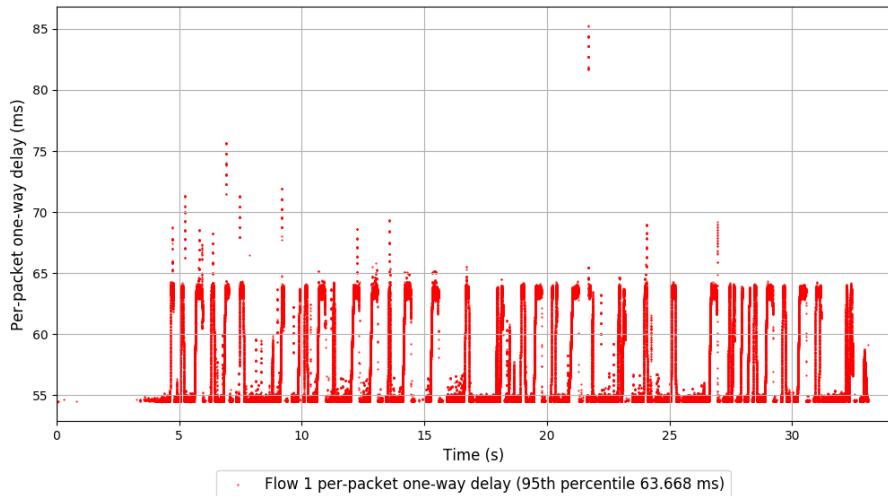
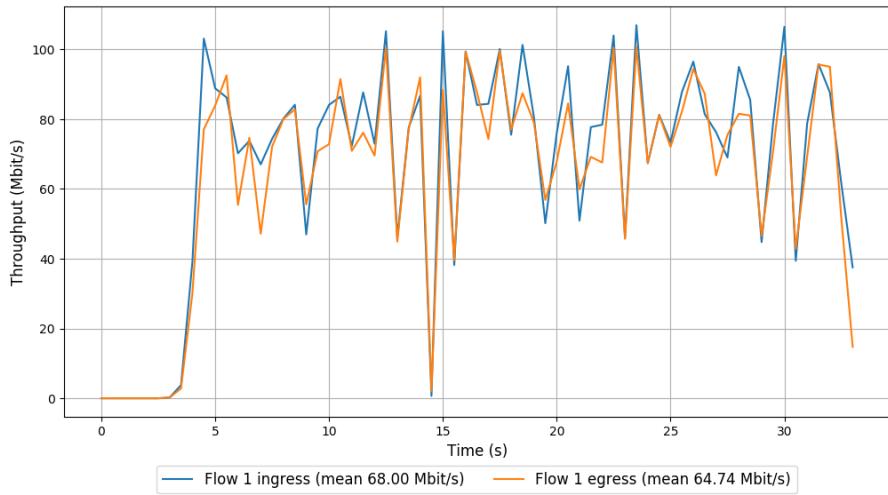


Run 7: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 12:43:54 +0000
End at: Tue, 13 Jun 2017 12:44:24 +0000
Local clock offset: 2.301 ms
Remote clock offset: -1.505 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:46:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.74 Mbit/s
95th percentile per-packet one-way delay: 63.668 ms
Loss rate: 5.19%
-- Flow 1:
Average throughput: 64.74 Mbit/s
95th percentile per-packet one-way delay: 63.668 ms
Loss rate: 5.19%
```

Run 7: Report of TCP BBR — Data Link

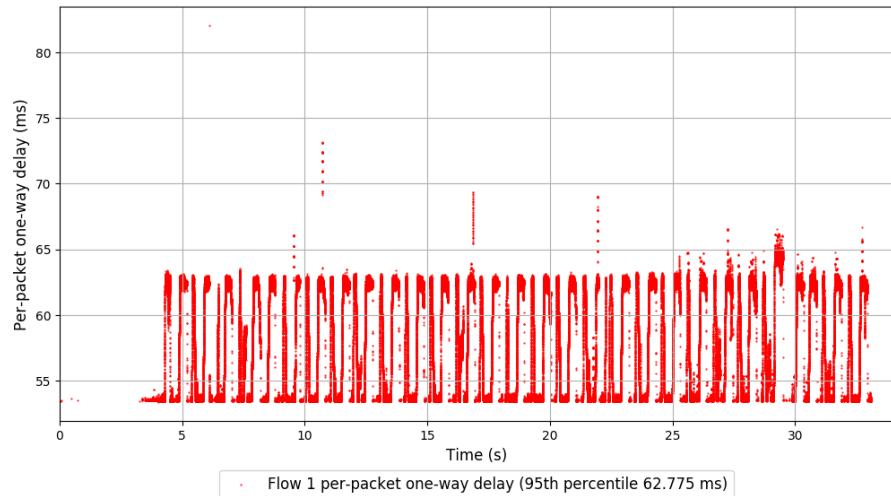
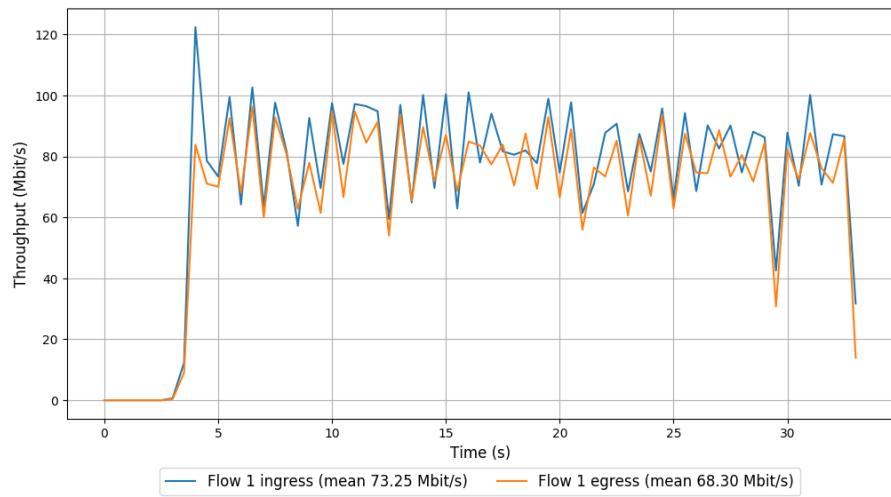


Run 8: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 13:03:39 +0000
End at: Tue, 13 Jun 2017 13:04:09 +0000
Local clock offset: 2.523 ms
Remote clock offset: -1.737 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:46:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.30 Mbit/s
95th percentile per-packet one-way delay: 62.775 ms
Loss rate: 7.08%
-- Flow 1:
Average throughput: 68.30 Mbit/s
95th percentile per-packet one-way delay: 62.775 ms
Loss rate: 7.08%
```

Run 8: Report of TCP BBR — Data Link

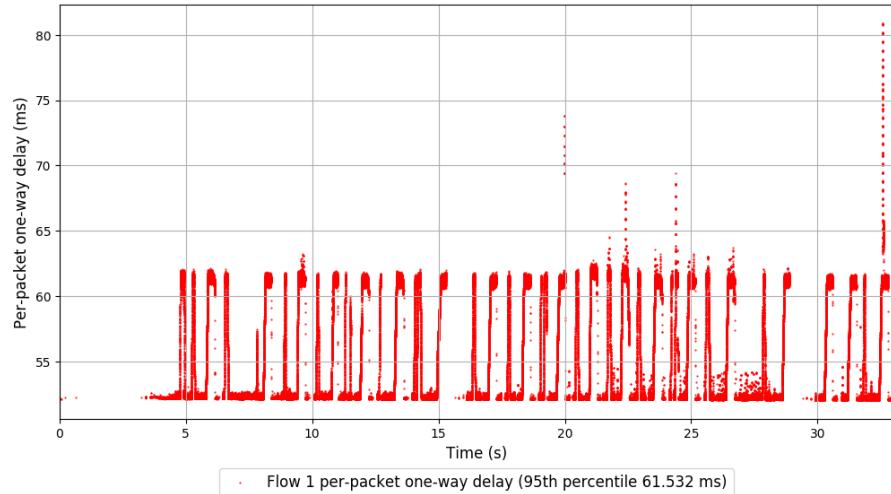
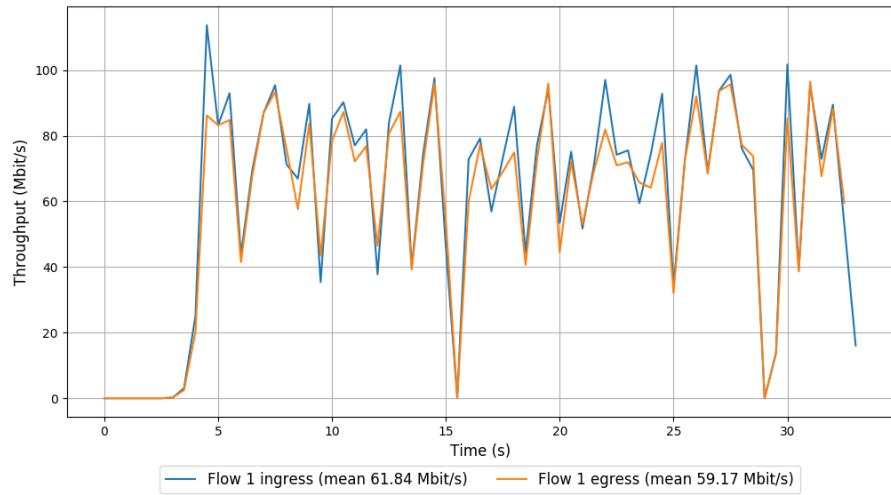


Run 9: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 13:23:42 +0000
End at: Tue, 13 Jun 2017 13:24:12 +0000
Local clock offset: 2.657 ms
Remote clock offset: -3.051 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:46:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 61.532 ms
Loss rate: 4.96%
-- Flow 1:
Average throughput: 59.17 Mbit/s
95th percentile per-packet one-way delay: 61.532 ms
Loss rate: 4.96%
```

Run 9: Report of TCP BBR — Data Link



```
Run 10: Statistics of TCP BBR
```

```
Start at: Tue, 13 Jun 2017 13:43:43 +0000
```

```
End at: Tue, 13 Jun 2017 13:44:13 +0000
```

```
Local clock offset: 1.328 ms
```

```
Remote clock offset: -6.944 ms
```

```
# Below is generated by plot.py at Tue, 13 Jun 2017 14:46:38 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 59.40 Mbit/s
```

```
95th percentile per-packet one-way delay: 59.052 ms
```

```
Loss rate: 4.63%
```

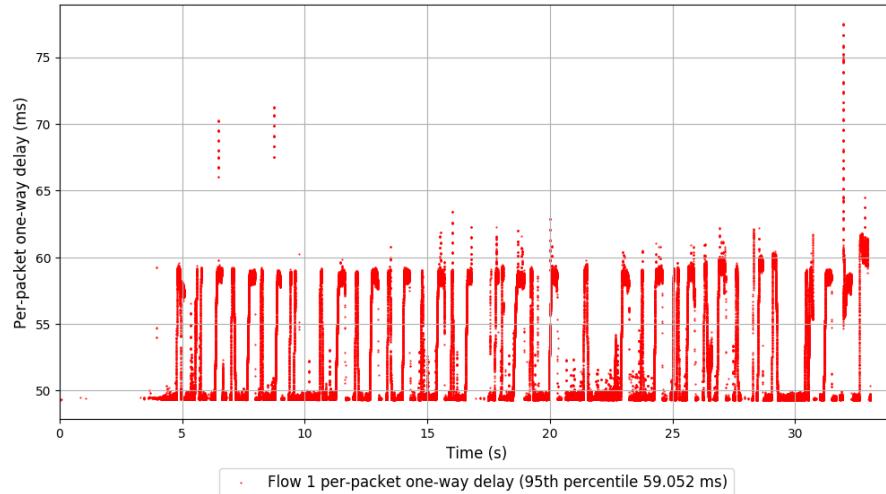
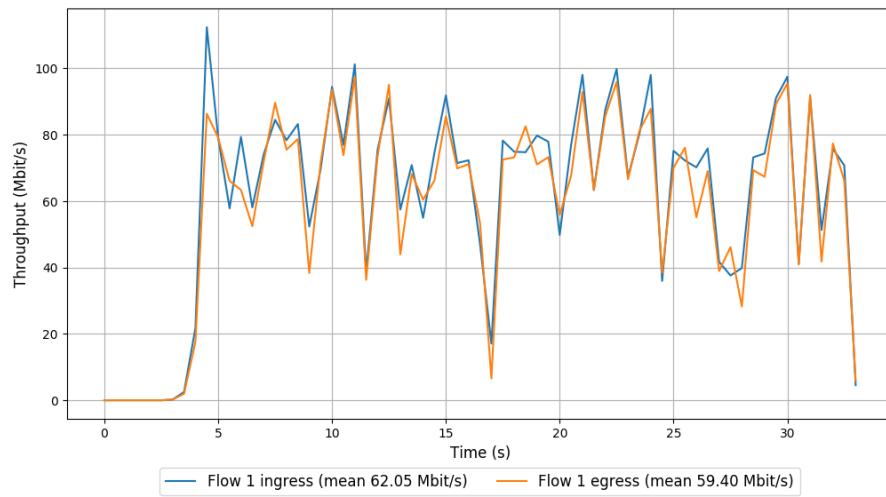
```
-- Flow 1:
```

```
Average throughput: 59.40 Mbit/s
```

```
95th percentile per-packet one-way delay: 59.052 ms
```

```
Loss rate: 4.63%
```

Run 10: Report of TCP BBR — Data Link



```
Run 1: Statistics of CalibratedKoho
```

```
Start at: Tue, 13 Jun 2017 10:44:35 +0000
```

```
End at: Tue, 13 Jun 2017 10:45:05 +0000
```

```
Local clock offset: 4.037 ms
```

```
Remote clock offset: -1.611 ms
```

```
# Below is generated by plot.py at Tue, 13 Jun 2017 14:46:49 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 79.57 Mbit/s
```

```
95th percentile per-packet one-way delay: 61.069 ms
```

```
Loss rate: 3.54%
```

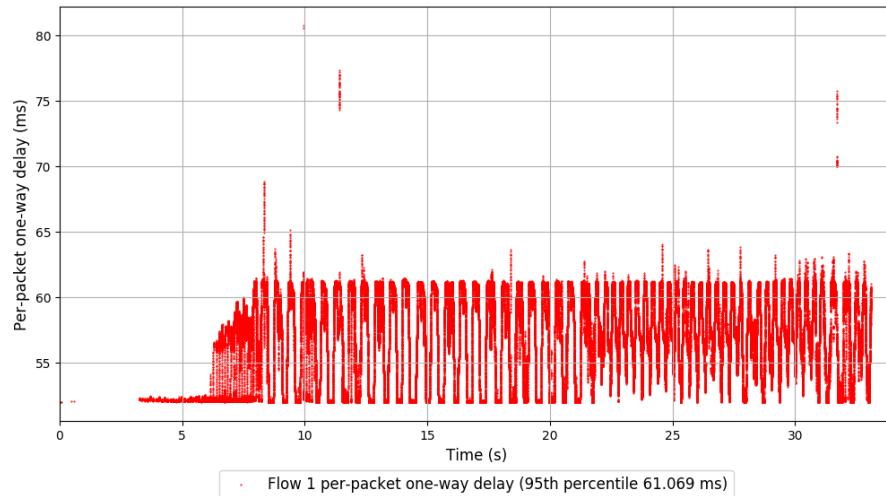
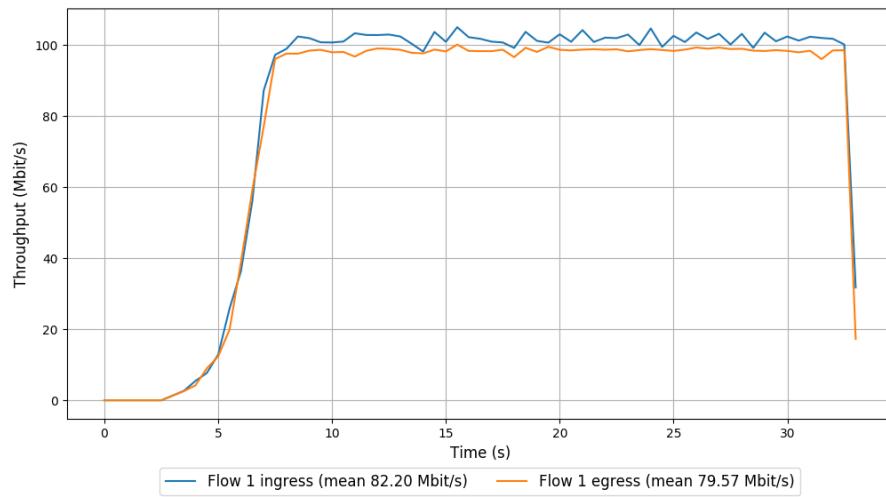
```
-- Flow 1:
```

```
Average throughput: 79.57 Mbit/s
```

```
95th percentile per-packet one-way delay: 61.069 ms
```

```
Loss rate: 3.54%
```

Run 1: Report of CalibratedKoho — Data Link



```
Run 2: Statistics of CalibratedKoho
```

```
Start at: Tue, 13 Jun 2017 11:04:09 +0000
```

```
End at: Tue, 13 Jun 2017 11:04:39 +0000
```

```
Local clock offset: 3.965 ms
```

```
Remote clock offset: -1.918 ms
```

```
# Below is generated by plot.py at Tue, 13 Jun 2017 14:46:50 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 79.37 Mbit/s
```

```
95th percentile per-packet one-way delay: 60.839 ms
```

```
Loss rate: 3.43%
```

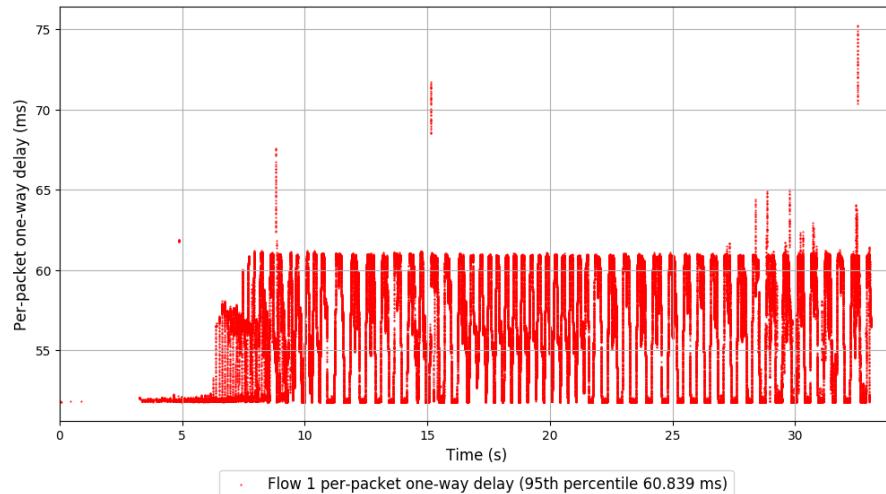
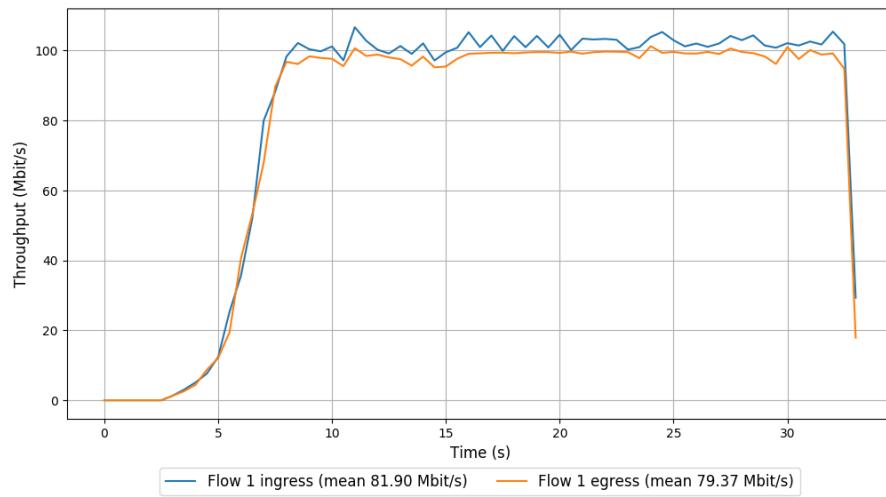
```
-- Flow 1:
```

```
Average throughput: 79.37 Mbit/s
```

```
95th percentile per-packet one-way delay: 60.839 ms
```

```
Loss rate: 3.43%
```

Run 2: Report of CalibratedKoho — Data Link



```
Run 3: Statistics of CalibratedKoho
```

```
Start at: Tue, 13 Jun 2017 11:23:50 +0000
```

```
End at: Tue, 13 Jun 2017 11:24:20 +0000
```

```
Local clock offset: 0.0 ms
```

```
Remote clock offset: -1.949 ms
```

```
# Below is generated by plot.py at Tue, 13 Jun 2017 14:47:02 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 79.30 Mbit/s
```

```
95th percentile per-packet one-way delay: 65.138 ms
```

```
Loss rate: 3.47%
```

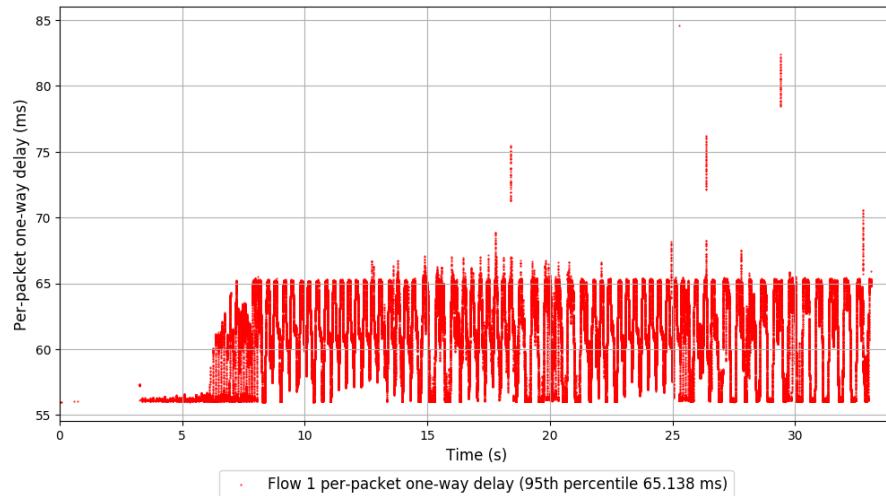
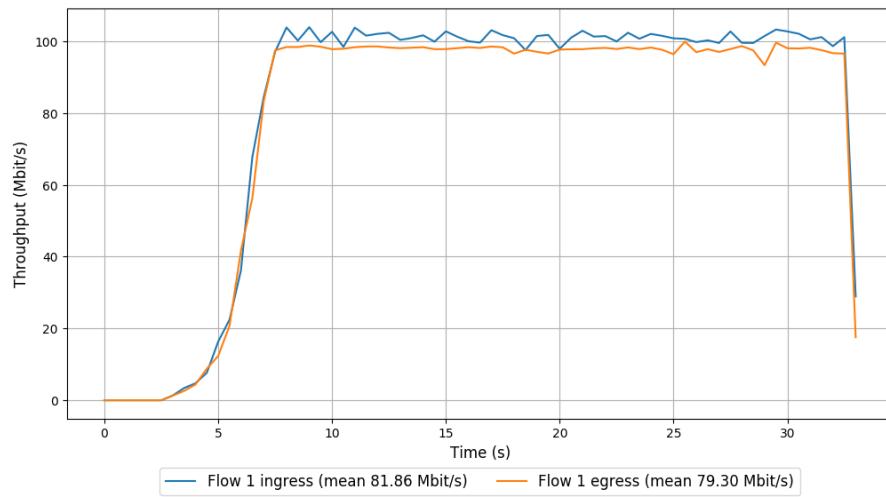
```
-- Flow 1:
```

```
Average throughput: 79.30 Mbit/s
```

```
95th percentile per-packet one-way delay: 65.138 ms
```

```
Loss rate: 3.47%
```

Run 3: Report of CalibratedKoho — Data Link



```
Run 4: Statistics of CalibratedKoho
```

```
Start at: Tue, 13 Jun 2017 11:43:29 +0000
```

```
End at: Tue, 13 Jun 2017 11:43:59 +0000
```

```
Local clock offset: -1.023 ms
```

```
Remote clock offset: -2.172 ms
```

```
# Below is generated by plot.py at Tue, 13 Jun 2017 14:47:02 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 78.45 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.299 ms
```

```
Loss rate: 3.65%
```

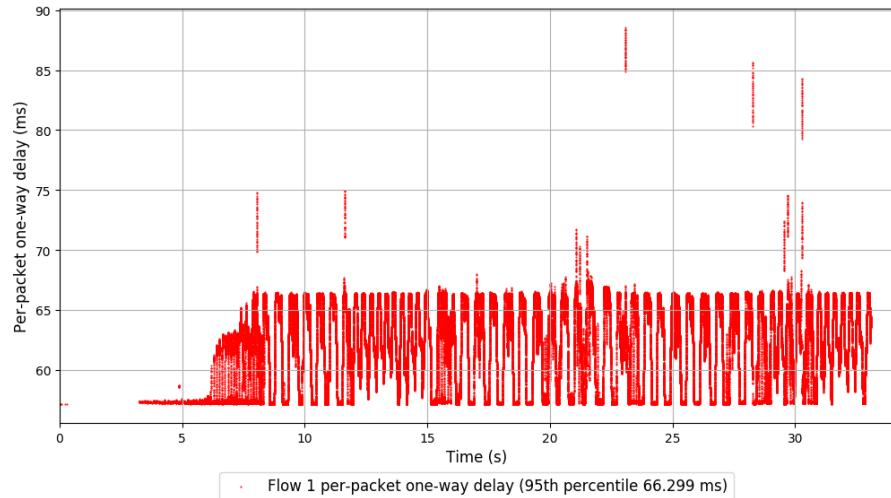
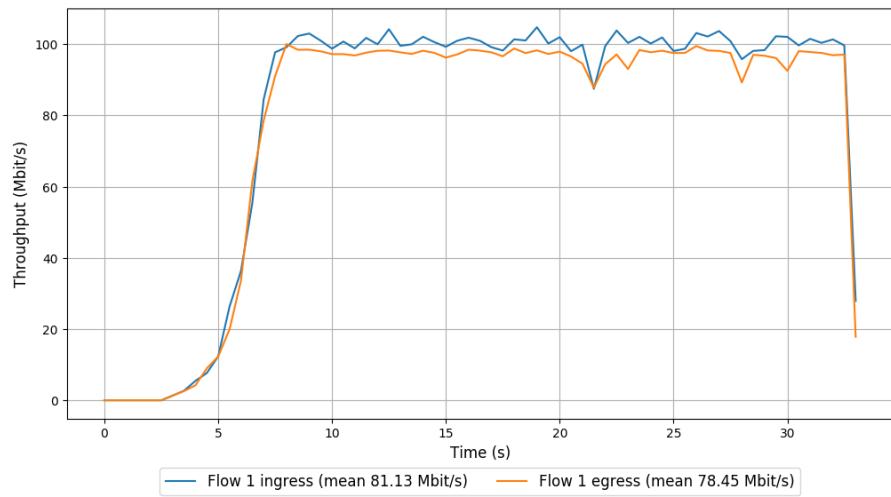
```
-- Flow 1:
```

```
Average throughput: 78.45 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.299 ms
```

```
Loss rate: 3.65%
```

Run 4: Report of CalibratedKoho — Data Link



```
Run 5: Statistics of CalibratedKoho
```

```
Start at: Tue, 13 Jun 2017 12:03:13 +0000
```

```
End at: Tue, 13 Jun 2017 12:03:43 +0000
```

```
Local clock offset: -0.701 ms
```

```
Remote clock offset: -1.804 ms
```

```
# Below is generated by plot.py at Tue, 13 Jun 2017 14:47:13 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 74.62 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.468 ms
```

```
Loss rate: 3.56%
```

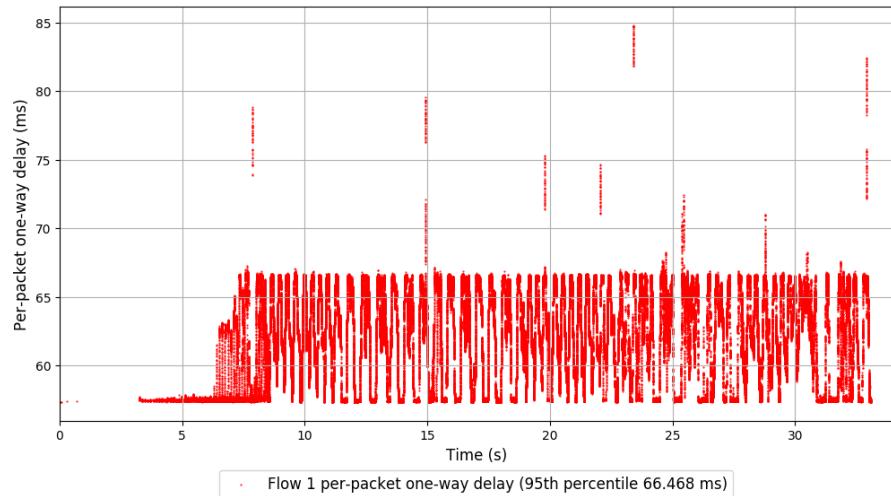
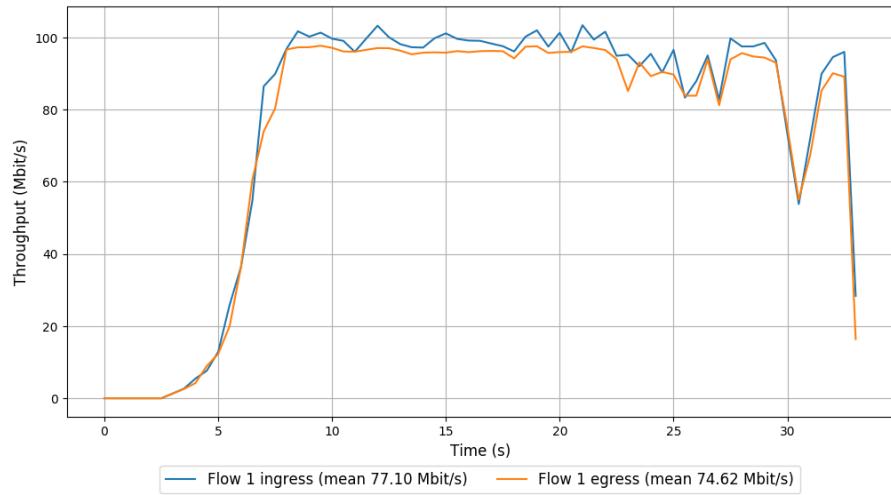
```
-- Flow 1:
```

```
Average throughput: 74.62 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.468 ms
```

```
Loss rate: 3.56%
```

Run 5: Report of CalibratedKoho — Data Link

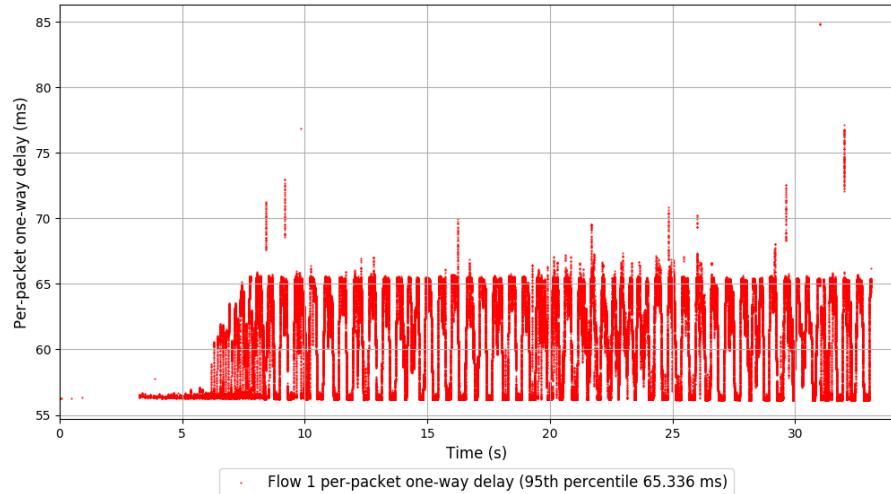
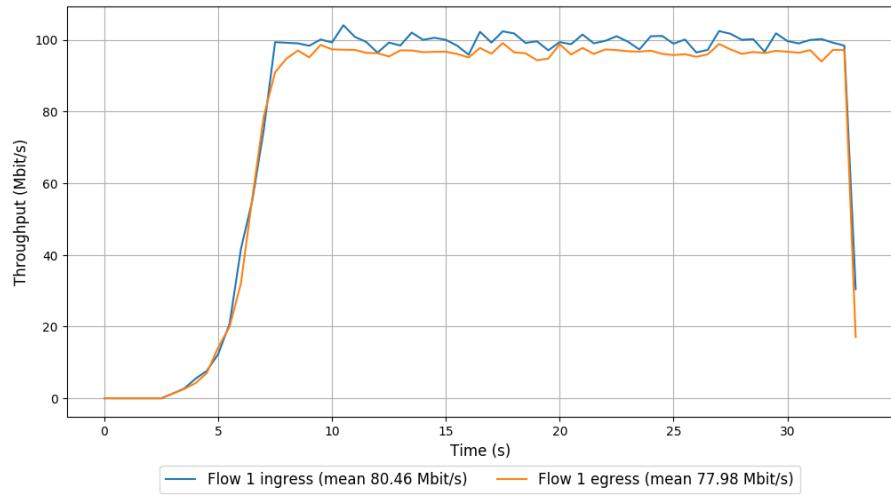


Run 6: Statistics of CalibratedKoho

```
Start at: Tue, 13 Jun 2017 12:22:44 +0000
End at: Tue, 13 Jun 2017 12:23:14 +0000
Local clock offset: 0.356 ms
Remote clock offset: -1.819 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:47:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 65.336 ms
Loss rate: 3.41%
-- Flow 1:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: 65.336 ms
Loss rate: 3.41%
```

Run 6: Report of CalibratedKoho — Data Link



```
Run 7: Statistics of CalibratedKoho
```

```
Start at: Tue, 13 Jun 2017 12:42:28 +0000
```

```
End at: Tue, 13 Jun 2017 12:42:58 +0000
```

```
Local clock offset: 2.294 ms
```

```
Remote clock offset: -1.48 ms
```

```
# Below is generated by plot.py at Tue, 13 Jun 2017 14:47:22 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 71.58 Mbit/s
```

```
95th percentile per-packet one-way delay: 63.358 ms
```

```
Loss rate: 4.23%
```

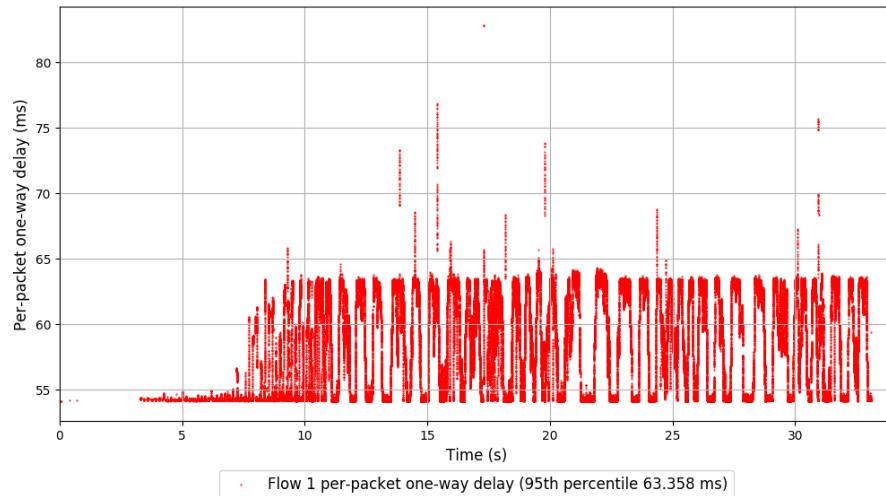
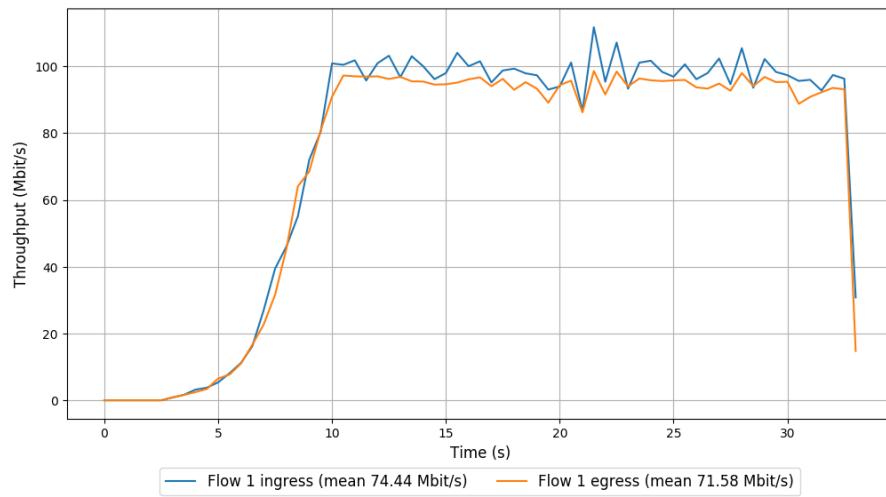
```
-- Flow 1:
```

```
Average throughput: 71.58 Mbit/s
```

```
95th percentile per-packet one-way delay: 63.358 ms
```

```
Loss rate: 4.23%
```

Run 7: Report of CalibratedKoho — Data Link

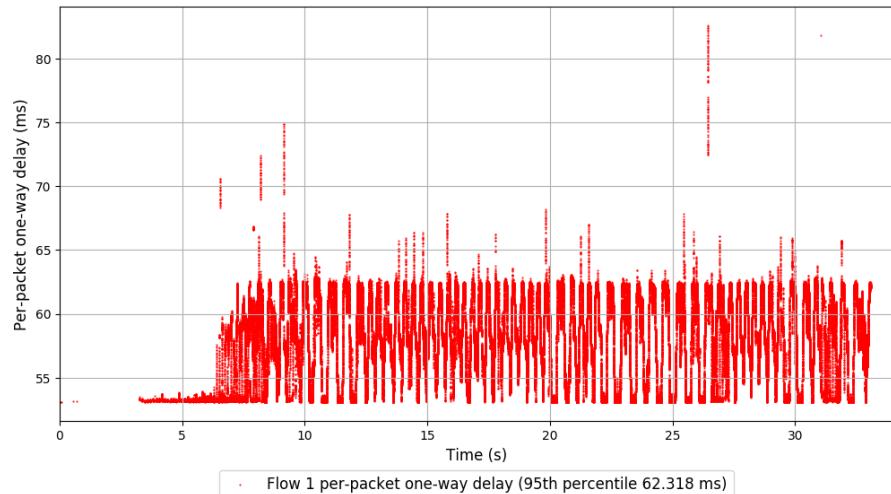
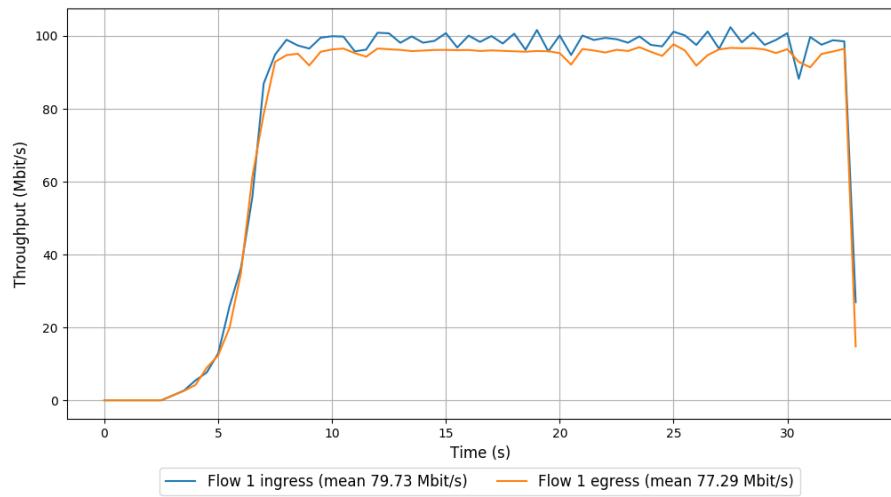


Run 8: Statistics of CalibratedKoho

```
Start at: Tue, 13 Jun 2017 13:02:14 +0000
End at: Tue, 13 Jun 2017 13:02:44 +0000
Local clock offset: 2.568 ms
Remote clock offset: -1.51 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:47:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 62.318 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 77.29 Mbit/s
95th percentile per-packet one-way delay: 62.318 ms
Loss rate: 3.40%
```

Run 8: Report of CalibratedKoho — Data Link



```
Run 9: Statistics of CalibratedKoho
```

```
Start at: Tue, 13 Jun 2017 13:22:17 +0000
```

```
End at: Tue, 13 Jun 2017 13:22:47 +0000
```

```
Local clock offset: 2.708 ms
```

```
Remote clock offset: -2.645 ms
```

```
# Below is generated by plot.py at Tue, 13 Jun 2017 14:47:33 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 72.23 Mbit/s
```

```
95th percentile per-packet one-way delay: 61.922 ms
```

```
Loss rate: 3.27%
```

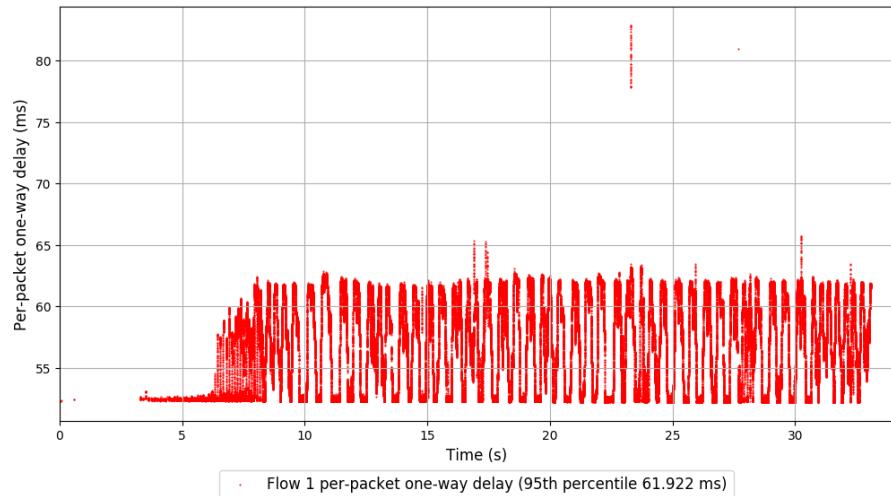
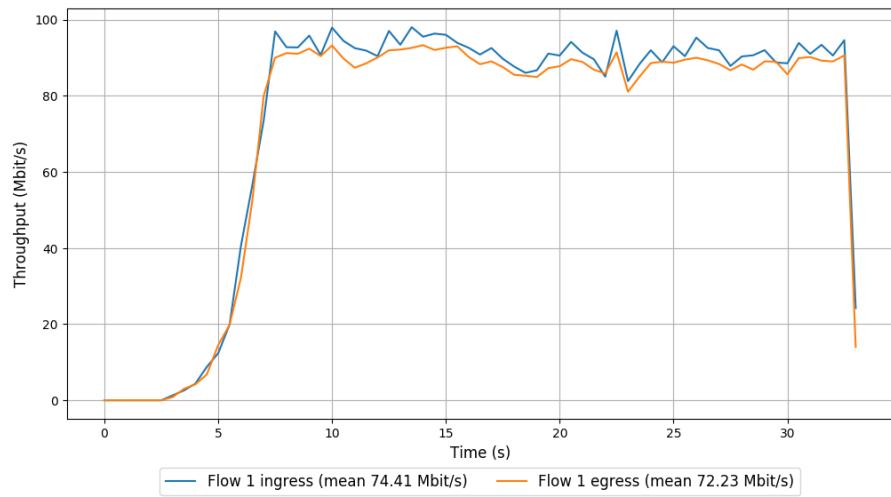
```
-- Flow 1:
```

```
Average throughput: 72.23 Mbit/s
```

```
95th percentile per-packet one-way delay: 61.922 ms
```

```
Loss rate: 3.27%
```

Run 9: Report of CalibratedKoho — Data Link



```
Run 10: Statistics of CalibratedKoho
```

```
Start at: Tue, 13 Jun 2017 13:42:19 +0000
```

```
End at: Tue, 13 Jun 2017 13:42:49 +0000
```

```
Local clock offset: 1.326 ms
```

```
Remote clock offset: -6.637 ms
```

```
# Below is generated by plot.py at Tue, 13 Jun 2017 14:47:38 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 68.36 Mbit/s
```

```
95th percentile per-packet one-way delay: 61.835 ms
```

```
Loss rate: 4.13%
```

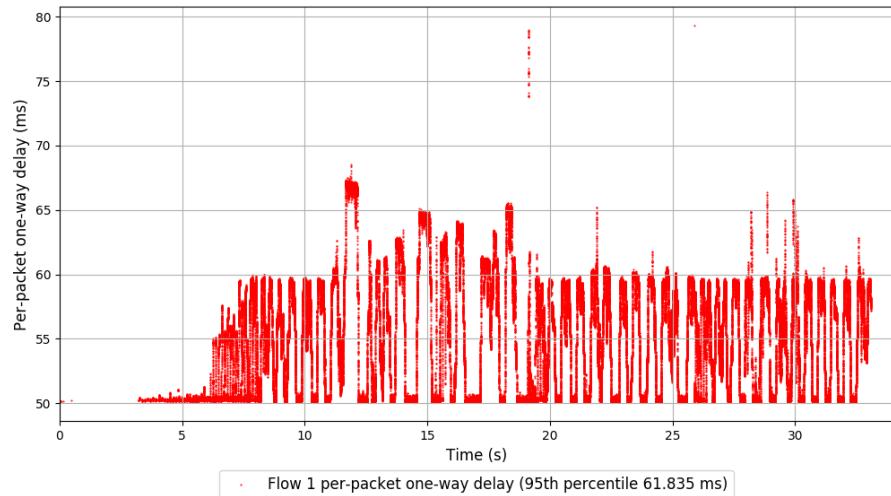
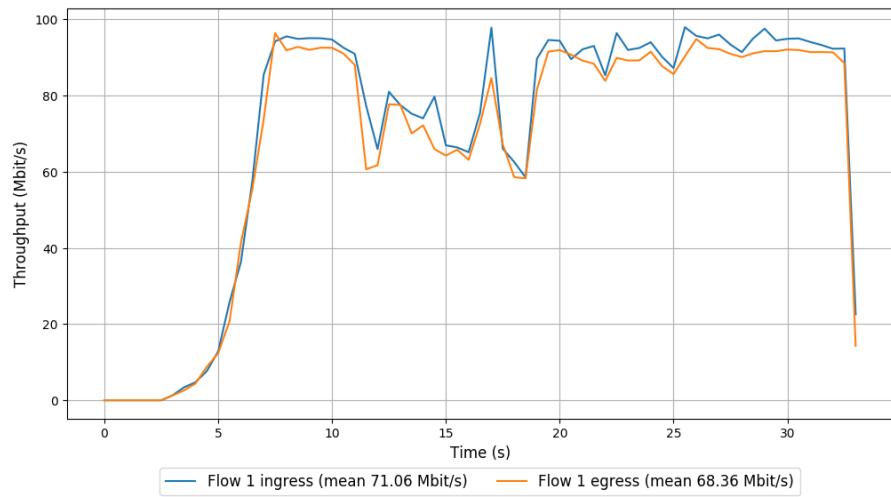
```
-- Flow 1:
```

```
Average throughput: 68.36 Mbit/s
```

```
95th percentile per-packet one-way delay: 61.835 ms
```

```
Loss rate: 4.13%
```

Run 10: Report of CalibratedKoho — Data Link

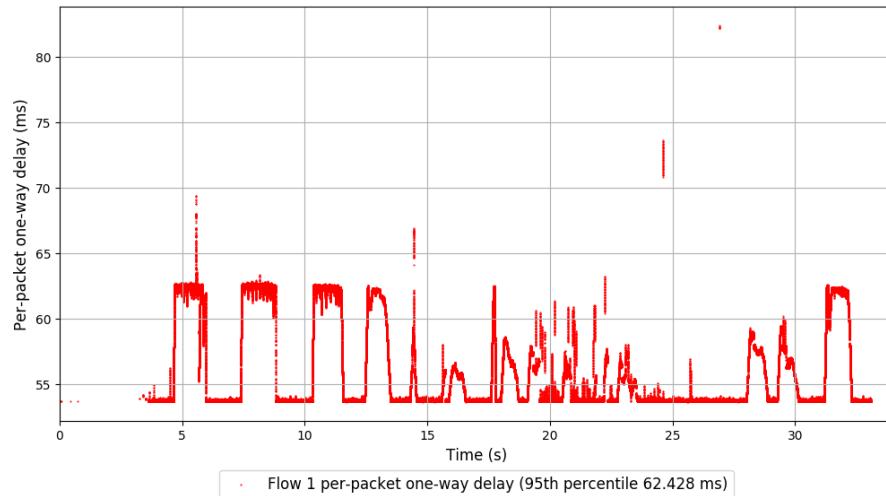
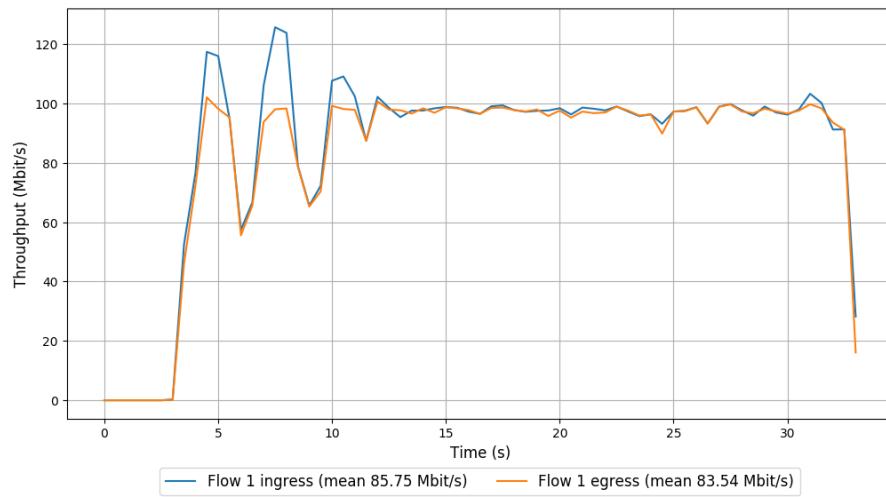


Run 1: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 10:39:18 +0000
End at: Tue, 13 Jun 2017 10:39:48 +0000
Local clock offset: 3.97 ms
Remote clock offset: -1.757 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:47:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 62.428 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 62.428 ms
Loss rate: 2.92%
```

Run 1: Report of Copa — Data Link

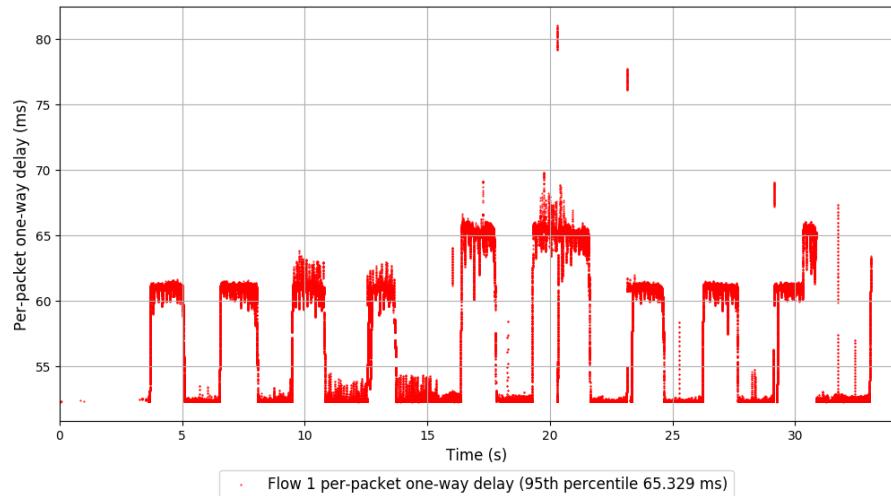
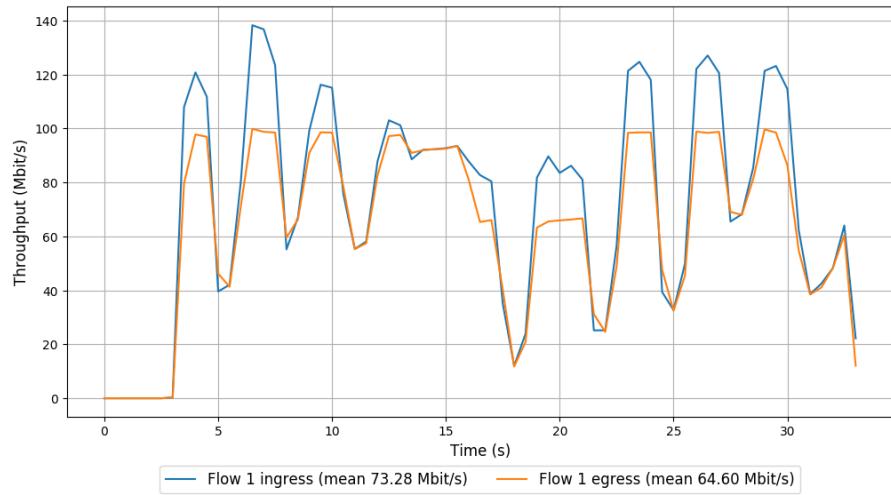


Run 2: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 10:58:54 +0000
End at: Tue, 13 Jun 2017 10:59:25 +0000
Local clock offset: 4.048 ms
Remote clock offset: -1.812 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:47:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.60 Mbit/s
95th percentile per-packet one-way delay: 65.329 ms
Loss rate: 12.15%
-- Flow 1:
Average throughput: 64.60 Mbit/s
95th percentile per-packet one-way delay: 65.329 ms
Loss rate: 12.15%
```

Run 2: Report of Copa — Data Link

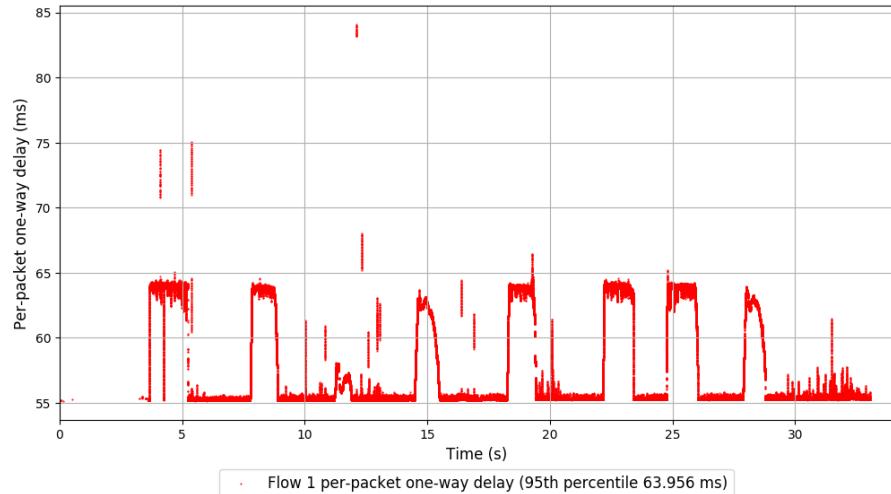
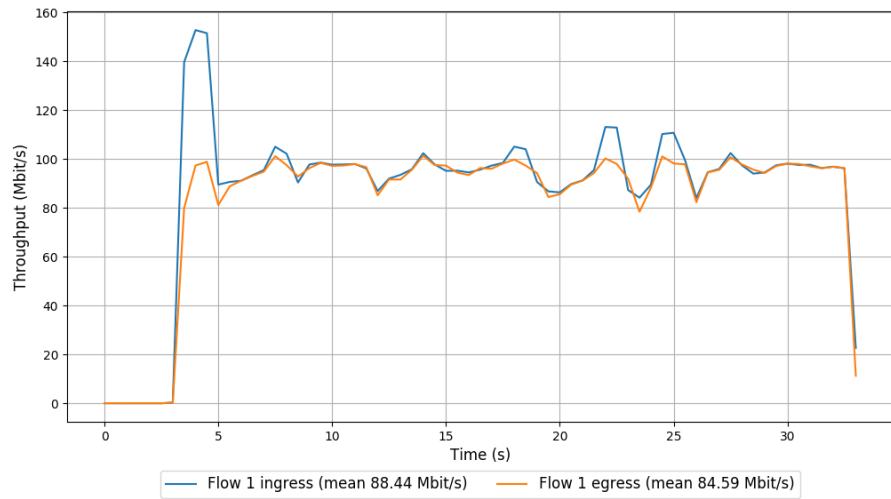


Run 3: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 11:18:33 +0000
End at: Tue, 13 Jun 2017 11:19:03 +0000
Local clock offset: 0.941 ms
Remote clock offset: -1.939 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:48:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 63.956 ms
Loss rate: 4.68%
-- Flow 1:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 63.956 ms
Loss rate: 4.68%
```

Run 3: Report of Copa — Data Link

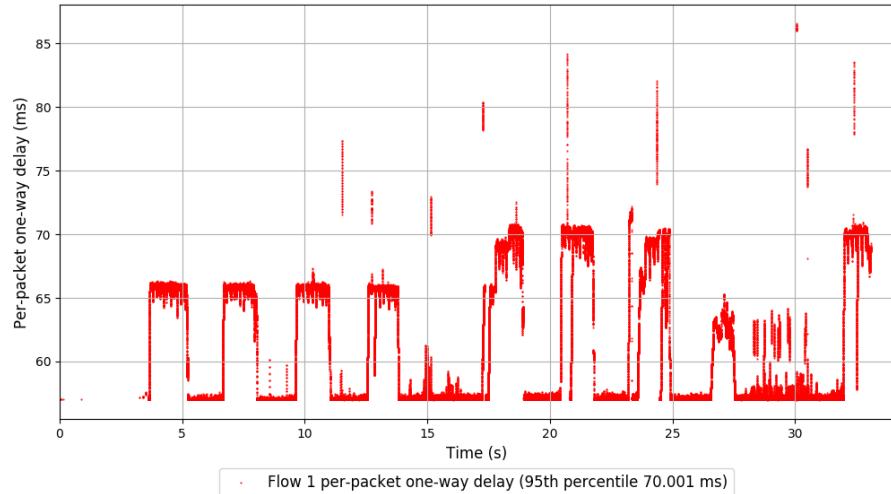
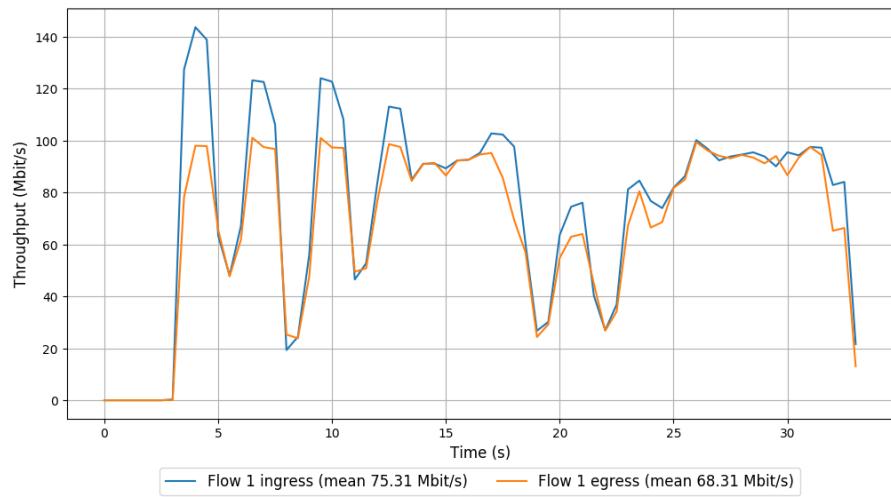


Run 4: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 11:38:15 +0000
End at: Tue, 13 Jun 2017 11:38:45 +0000
Local clock offset: -0.813 ms
Remote clock offset: -1.913 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:48:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 70.001 ms
Loss rate: 9.61%
-- Flow 1:
Average throughput: 68.31 Mbit/s
95th percentile per-packet one-way delay: 70.001 ms
Loss rate: 9.61%
```

Run 4: Report of Copa — Data Link

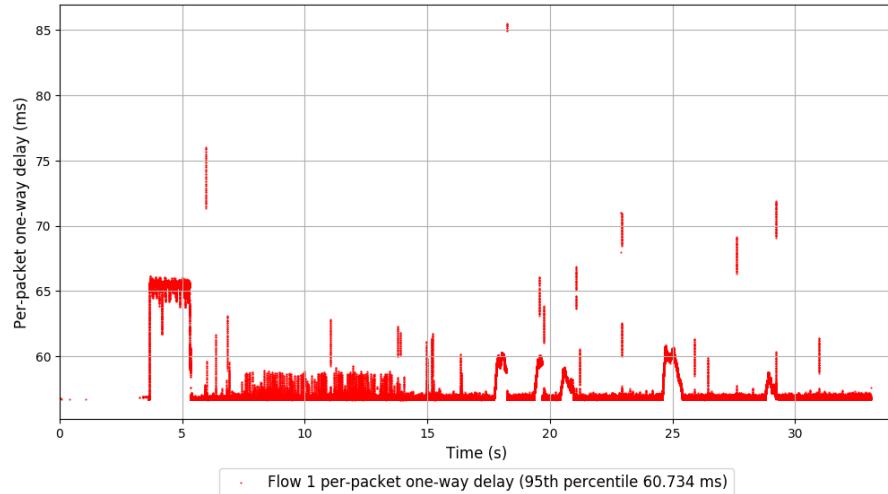
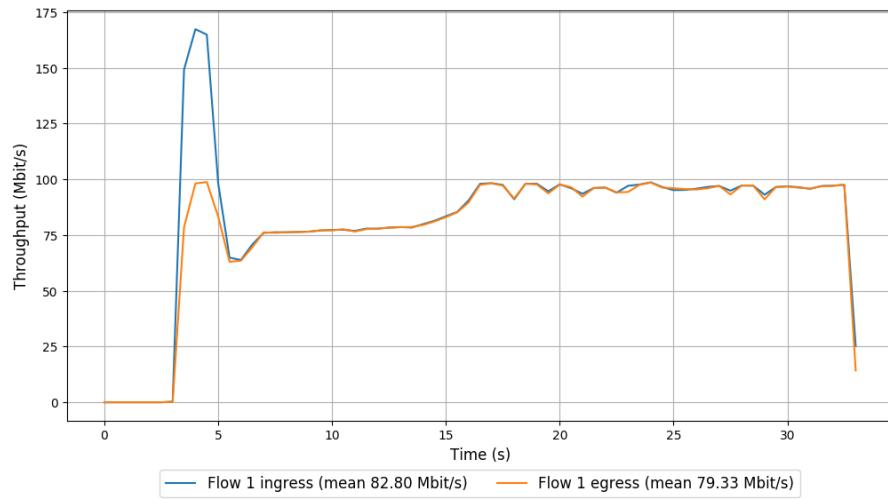


Run 5: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 11:57:57 +0000
End at: Tue, 13 Jun 2017 11:58:27 +0000
Local clock offset: -0.658 ms
Remote clock offset: -2.158 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:48:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 60.734 ms
Loss rate: 4.51%
-- Flow 1:
Average throughput: 79.33 Mbit/s
95th percentile per-packet one-way delay: 60.734 ms
Loss rate: 4.51%
```

Run 5: Report of Copa — Data Link

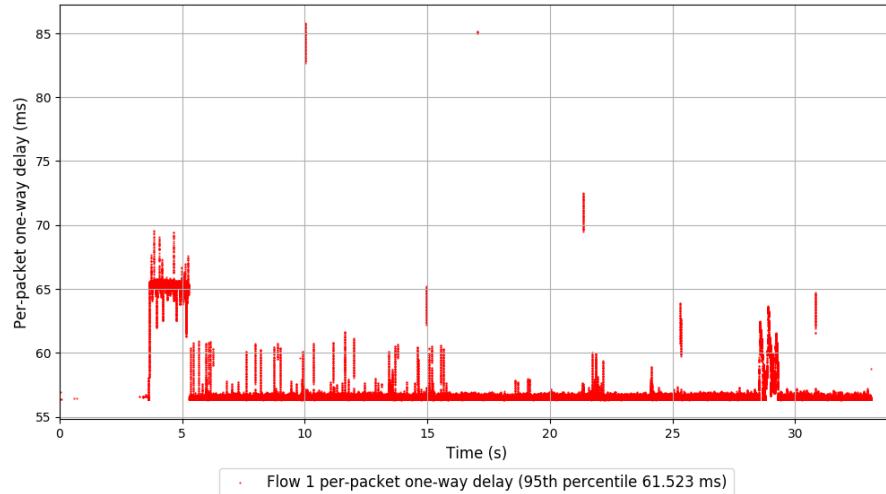
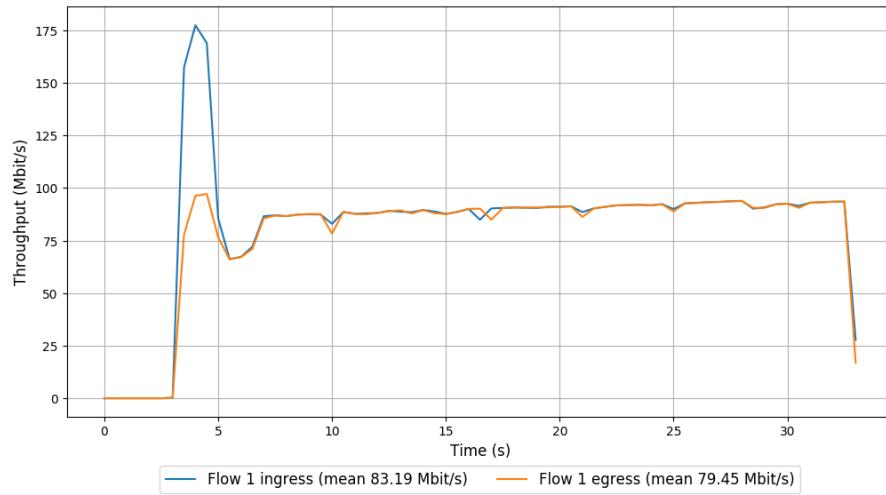


Run 6: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 12:17:28 +0000
End at: Tue, 13 Jun 2017 12:17:58 +0000
Local clock offset: -0.926 ms
Remote clock offset: -2.007 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:48:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.45 Mbit/s
95th percentile per-packet one-way delay: 61.523 ms
Loss rate: 4.81%
-- Flow 1:
Average throughput: 79.45 Mbit/s
95th percentile per-packet one-way delay: 61.523 ms
Loss rate: 4.81%
```

Run 6: Report of Copa — Data Link

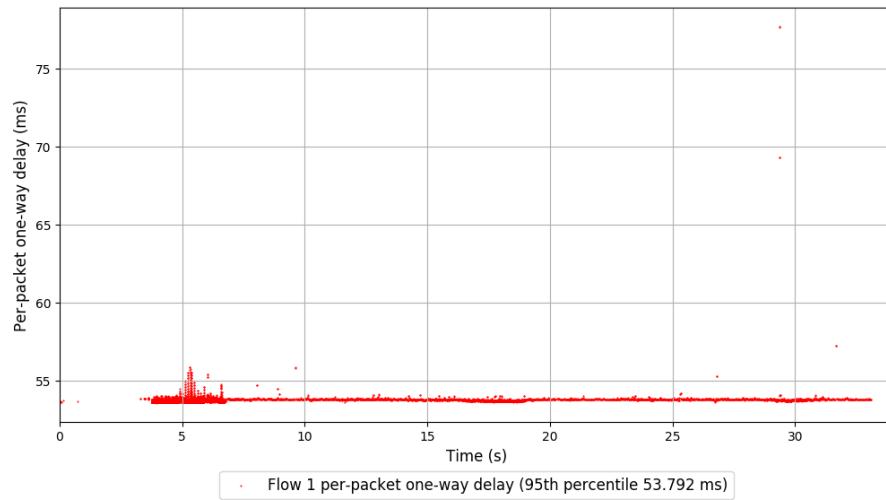
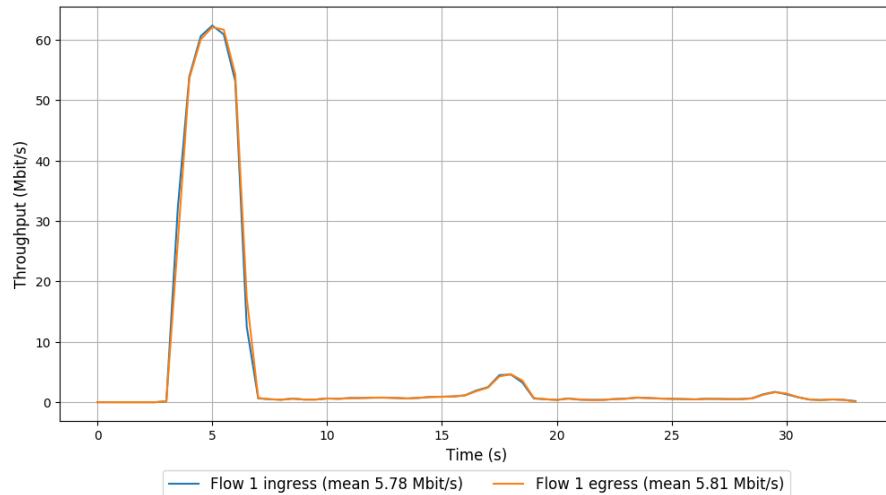


Run 7: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 12:37:16 +0000
End at: Tue, 13 Jun 2017 12:37:46 +0000
Local clock offset: 2.355 ms
Remote clock offset: -1.951 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:48:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 53.792 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 53.792 ms
Loss rate: 0.04%
```

Run 7: Report of Copa — Data Link

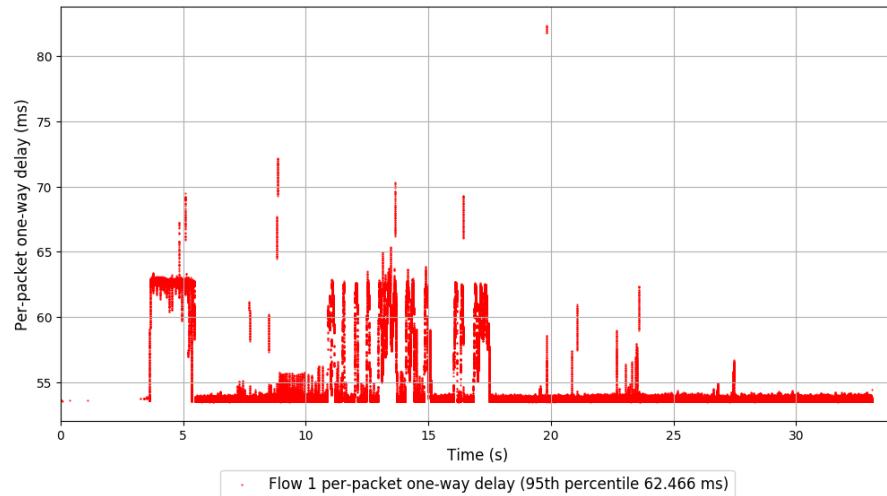
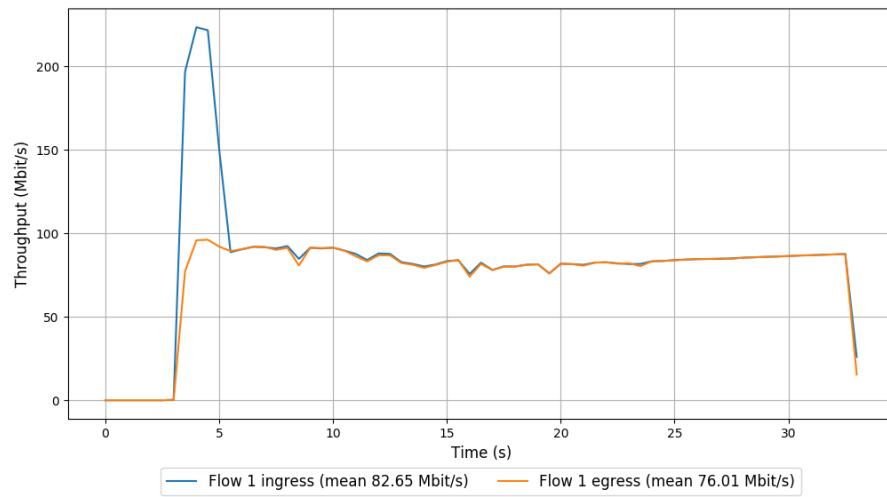


Run 8: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 12:56:55 +0000
End at: Tue, 13 Jun 2017 12:57:25 +0000
Local clock offset: 2.559 ms
Remote clock offset: -1.727 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.01 Mbit/s
95th percentile per-packet one-way delay: 62.466 ms
Loss rate: 8.35%
-- Flow 1:
Average throughput: 76.01 Mbit/s
95th percentile per-packet one-way delay: 62.466 ms
Loss rate: 8.35%
```

Run 8: Report of Copa — Data Link

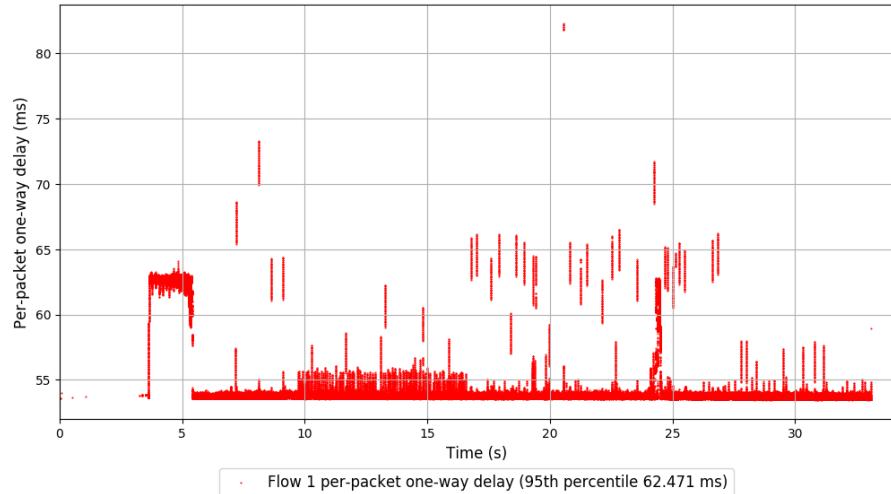
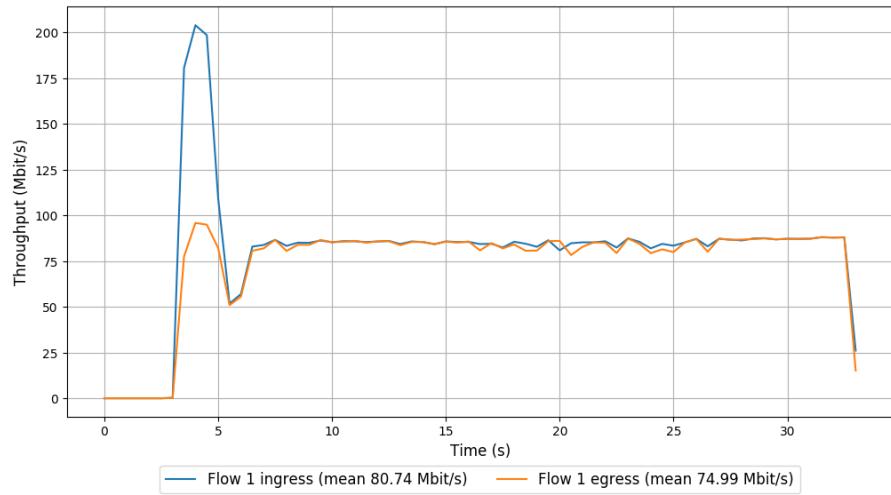


Run 9: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 13:16:54 +0000
End at: Tue, 13 Jun 2017 13:17:24 +0000
Local clock offset: 2.664 ms
Remote clock offset: -1.323 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 62.471 ms
Loss rate: 7.44%
-- Flow 1:
Average throughput: 74.99 Mbit/s
95th percentile per-packet one-way delay: 62.471 ms
Loss rate: 7.44%
```

Run 9: Report of Copa — Data Link

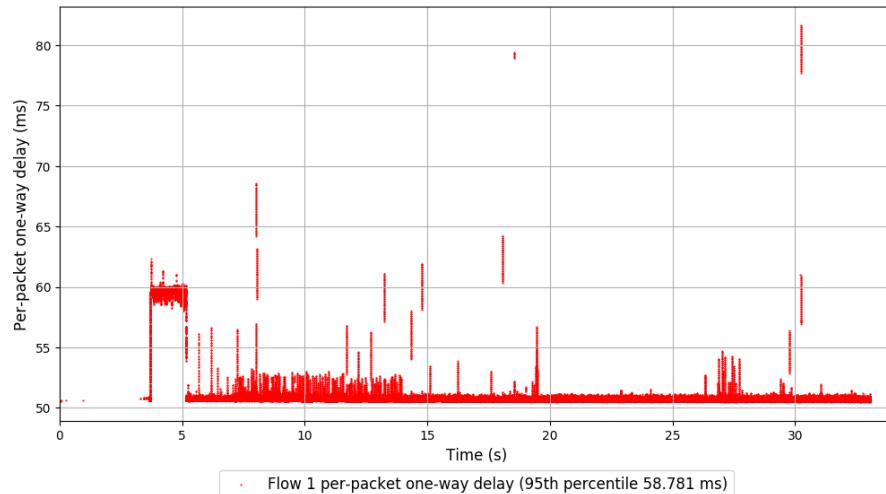
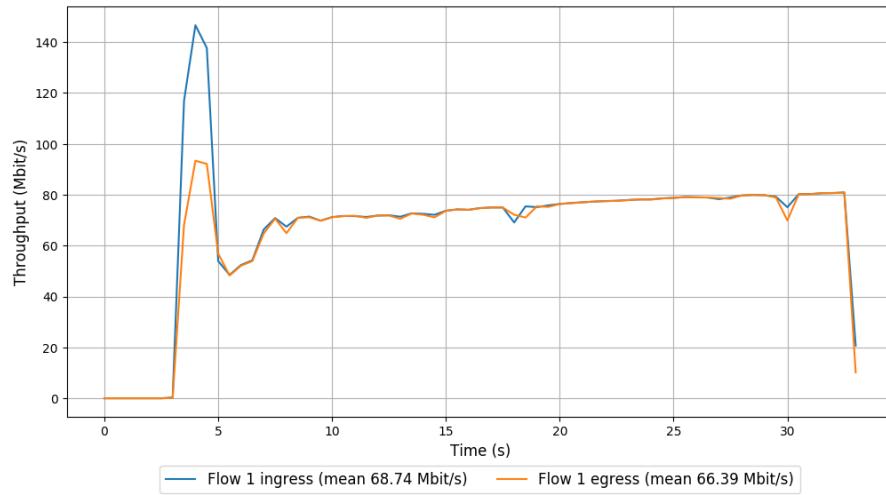


Run 10: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 13:36:56 +0000
End at: Tue, 13 Jun 2017 13:37:26 +0000
Local clock offset: 1.627 ms
Remote clock offset: -5.816 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.39 Mbit/s
95th percentile per-packet one-way delay: 58.781 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 66.39 Mbit/s
95th percentile per-packet one-way delay: 58.781 ms
Loss rate: 3.76%
```

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 10:36:33 +0000

End at: Tue, 13 Jun 2017 10:37:03 +0000

Local clock offset: 3.946 ms

Remote clock offset: -1.424 ms

Below is generated by plot.py at Tue, 13 Jun 2017 14:49:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.22 Mbit/s

95th percentile per-packet one-way delay: 59.377 ms

Loss rate: 0.58%

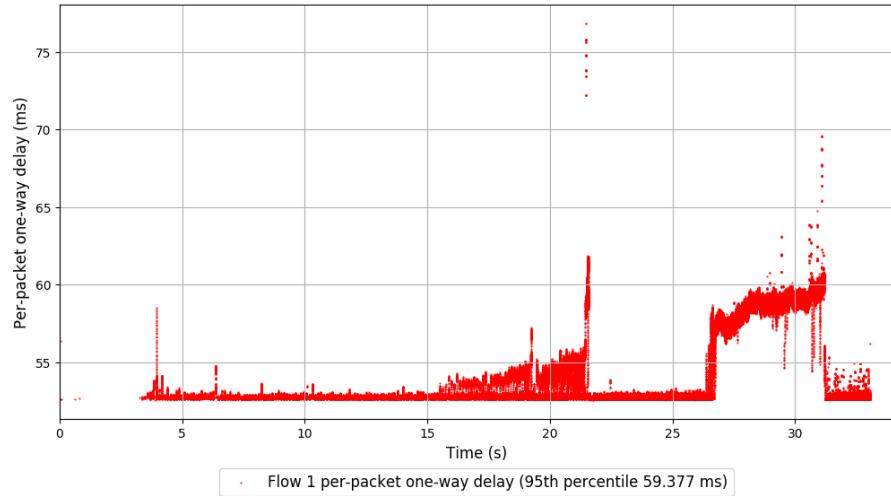
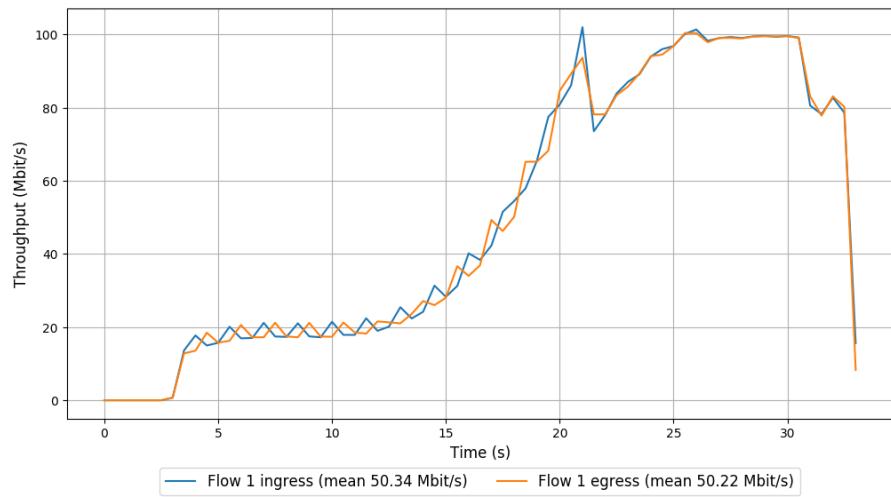
-- Flow 1:

Average throughput: 50.22 Mbit/s

95th percentile per-packet one-way delay: 59.377 ms

Loss rate: 0.58%

Run 1: Report of TCP Cubic — Data Link

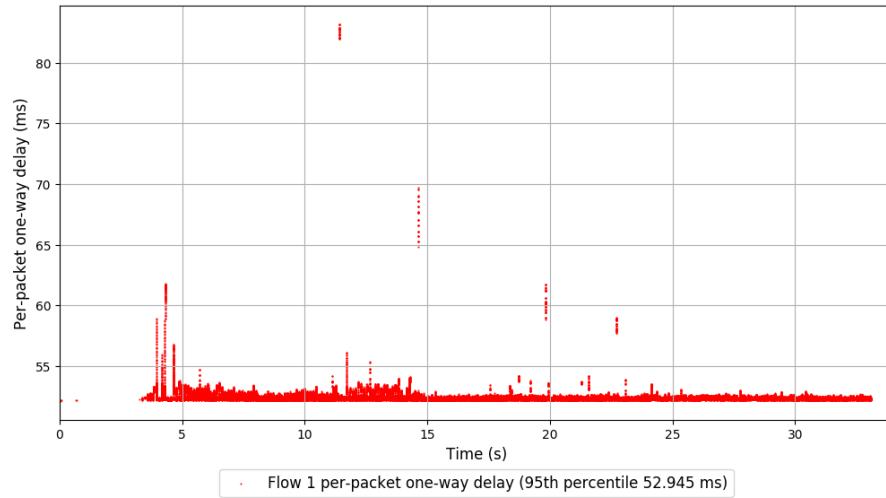
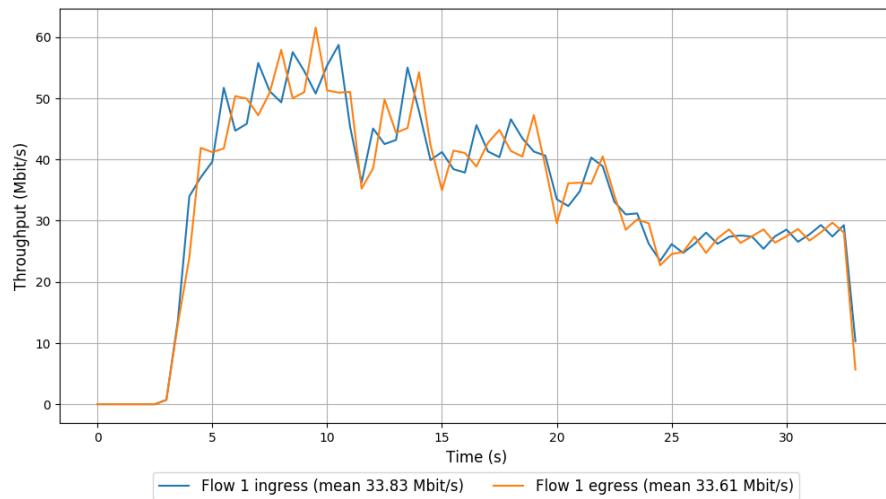


Run 2: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 10:56:21 +0000
End at: Tue, 13 Jun 2017 10:56:51 +0000
Local clock offset: 4.023 ms
Remote clock offset: -1.891 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.61 Mbit/s
95th percentile per-packet one-way delay: 52.945 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 33.61 Mbit/s
95th percentile per-packet one-way delay: 52.945 ms
Loss rate: 1.00%
```

Run 2: Report of TCP Cubic — Data Link

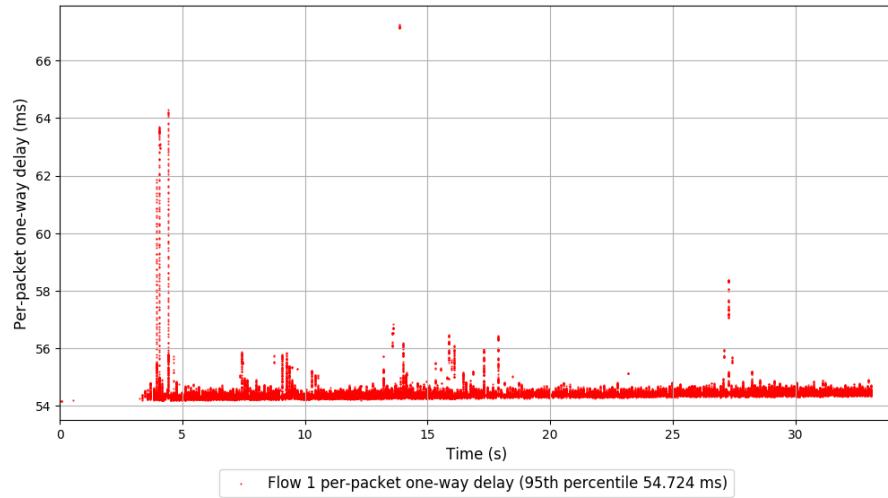
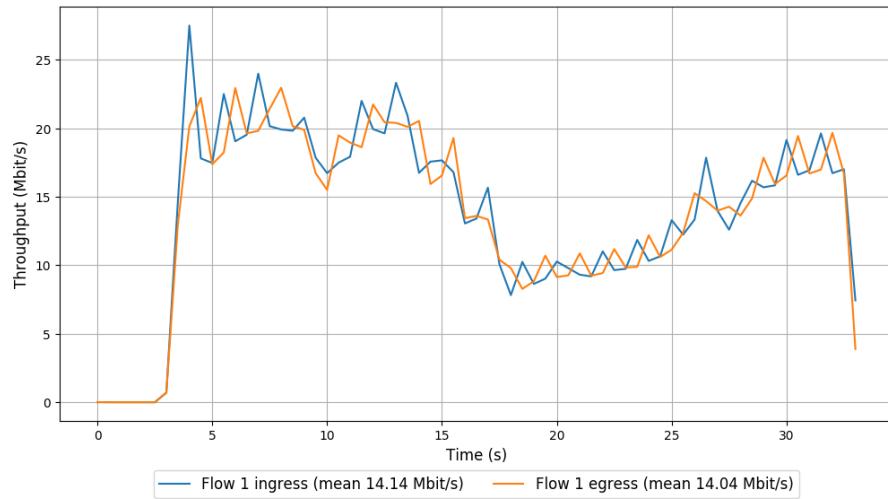


Run 3: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 11:15:51 +0000
End at: Tue, 13 Jun 2017 11:16:21 +0000
Local clock offset: 1.563 ms
Remote clock offset: -2.067 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.04 Mbit/s
95th percentile per-packet one-way delay: 54.724 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 14.04 Mbit/s
95th percentile per-packet one-way delay: 54.724 ms
Loss rate: 1.11%
```

Run 3: Report of TCP Cubic — Data Link

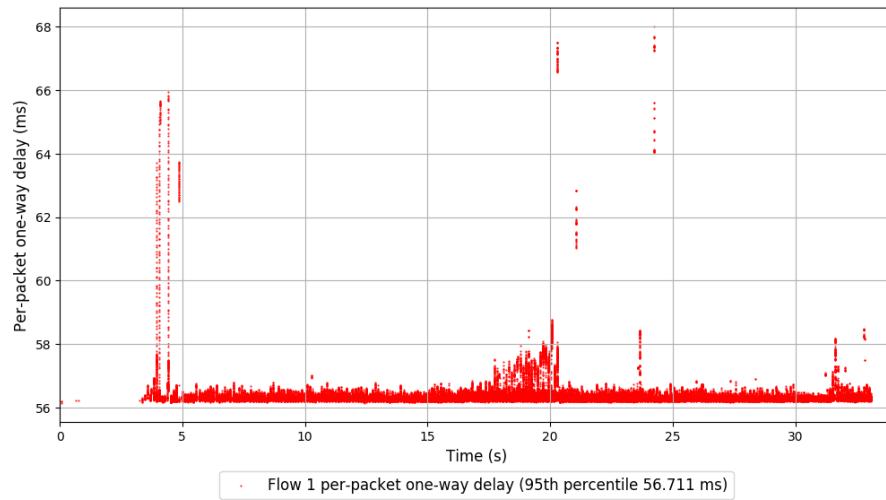
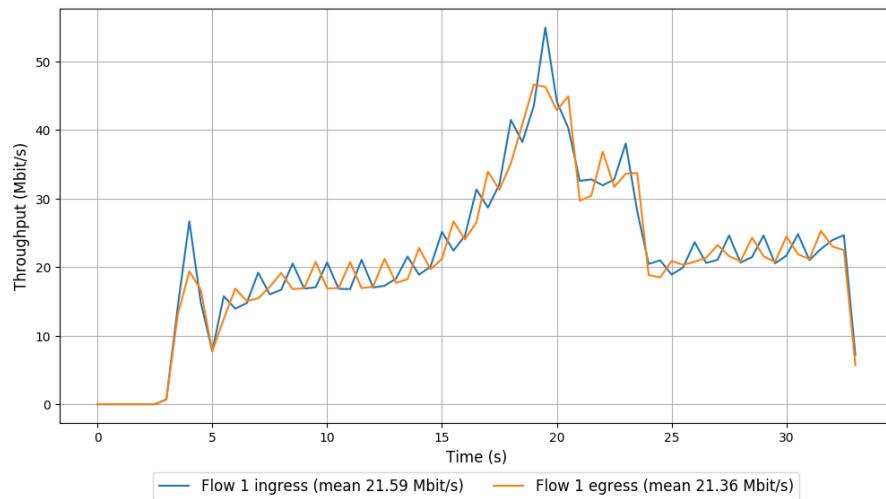


Run 4: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 11:35:32 +0000
End at: Tue, 13 Jun 2017 11:36:02 +0000
Local clock offset: -0.683 ms
Remote clock offset: -1.916 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.36 Mbit/s
95th percentile per-packet one-way delay: 56.711 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 21.36 Mbit/s
95th percentile per-packet one-way delay: 56.711 ms
Loss rate: 1.43%
```

Run 4: Report of TCP Cubic — Data Link

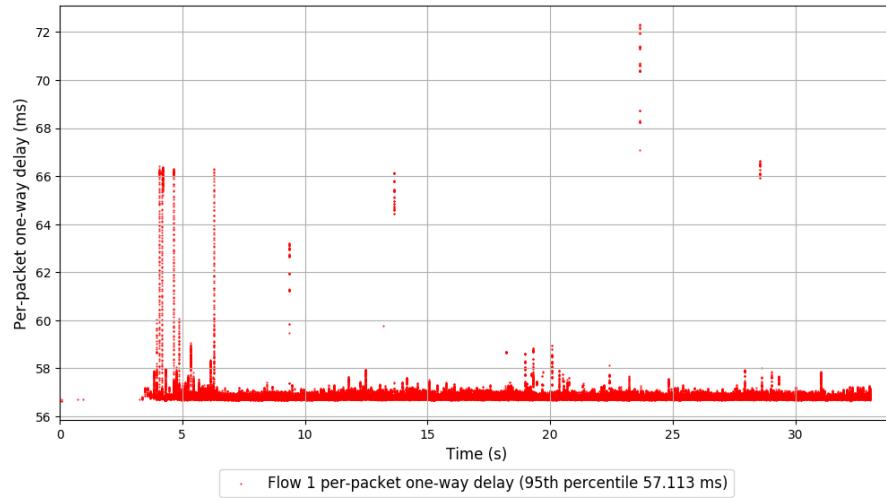
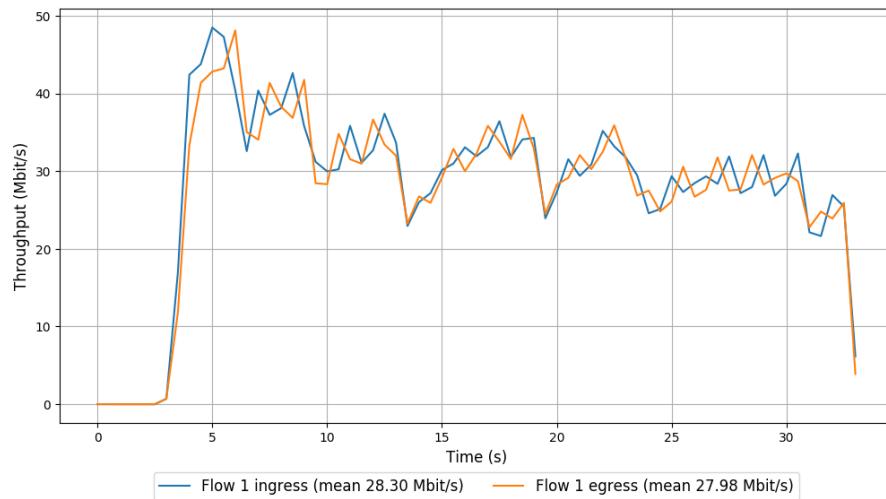


Run 5: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 11:55:14 +0000
End at: Tue, 13 Jun 2017 11:55:44 +0000
Local clock offset: -0.714 ms
Remote clock offset: -2.125 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 57.113 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 27.98 Mbit/s
95th percentile per-packet one-way delay: 57.113 ms
Loss rate: 1.49%
```

Run 5: Report of TCP Cubic — Data Link

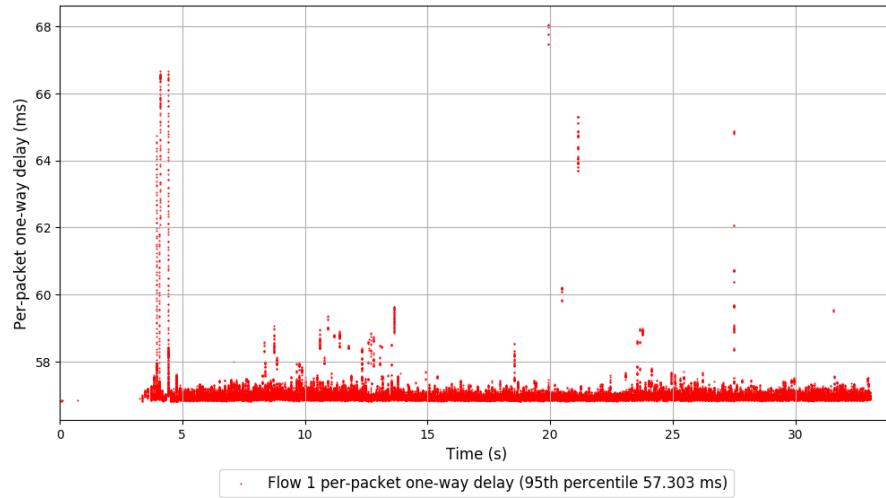
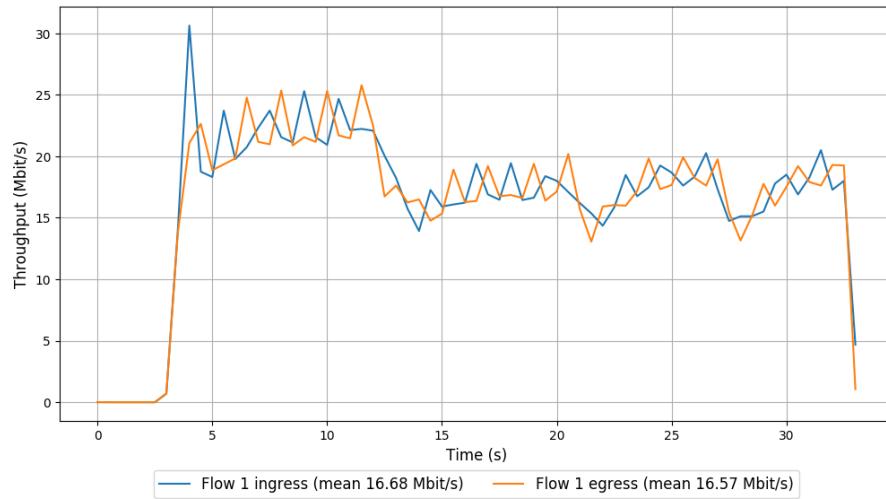


Run 6: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 12:14:55 +0000
End at: Tue, 13 Jun 2017 12:15:25 +0000
Local clock offset: -0.885 ms
Remote clock offset: -1.78 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 57.303 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 57.303 ms
Loss rate: 1.00%
```

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 12:34:34 +0000

End at: Tue, 13 Jun 2017 12:35:04 +0000

Local clock offset: 2.212 ms

Remote clock offset: -2.041 ms

Below is generated by plot.py at Tue, 13 Jun 2017 14:49:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.44 Mbit/s

95th percentile per-packet one-way delay: 55.379 ms

Loss rate: 1.12%

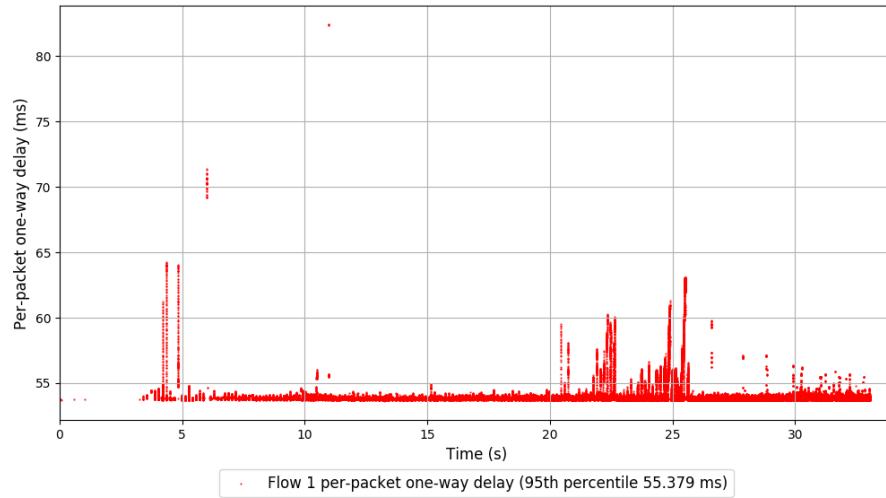
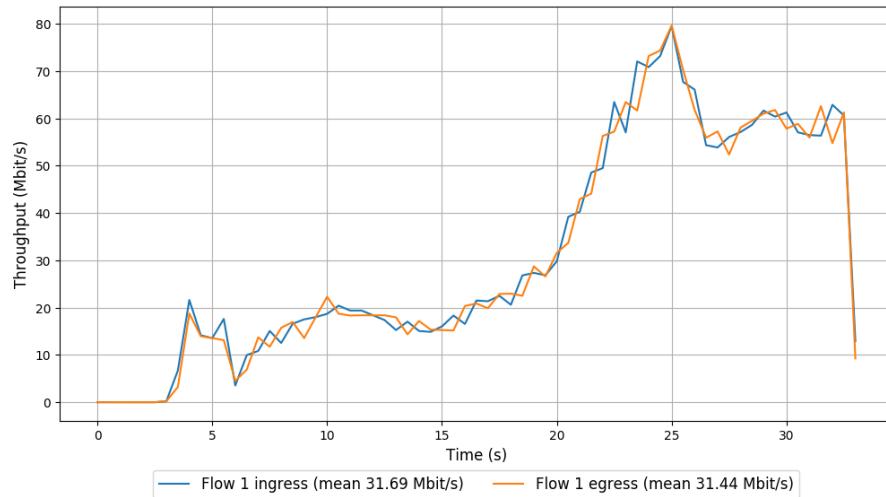
-- Flow 1:

Average throughput: 31.44 Mbit/s

95th percentile per-packet one-way delay: 55.379 ms

Loss rate: 1.12%

Run 7: Report of TCP Cubic — Data Link

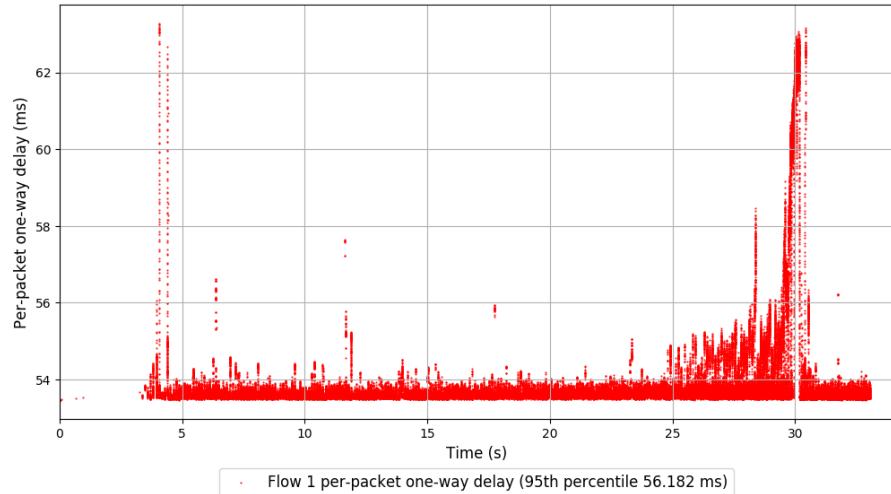
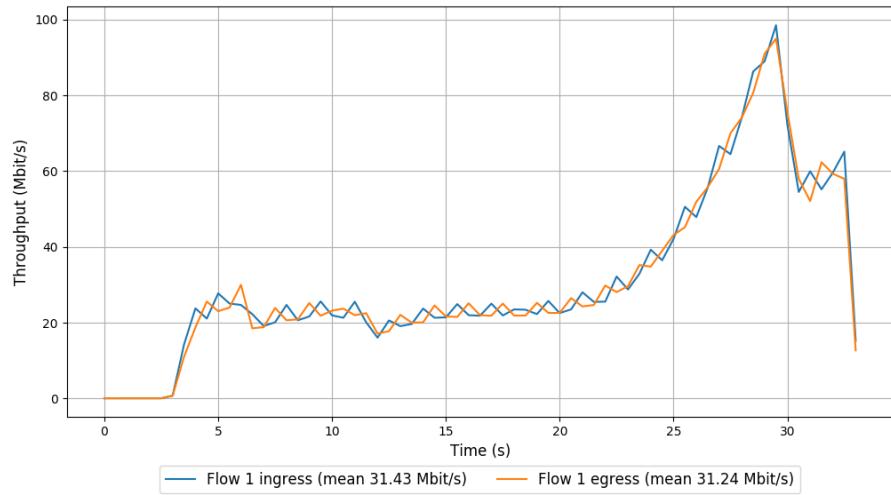


Run 8: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 12:54:22 +0000
End at: Tue, 13 Jun 2017 12:54:52 +0000
Local clock offset: 2.413 ms
Remote clock offset: -1.822 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 56.182 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 31.24 Mbit/s
95th percentile per-packet one-way delay: 56.182 ms
Loss rate: 0.96%
```

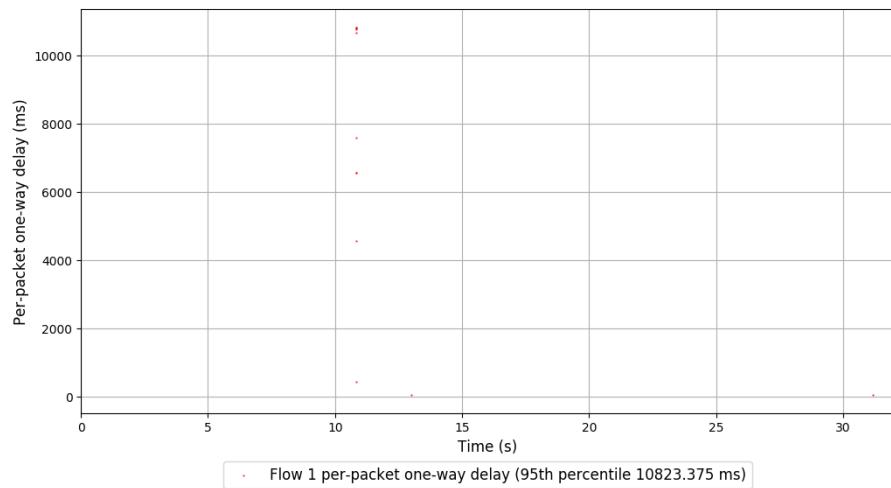
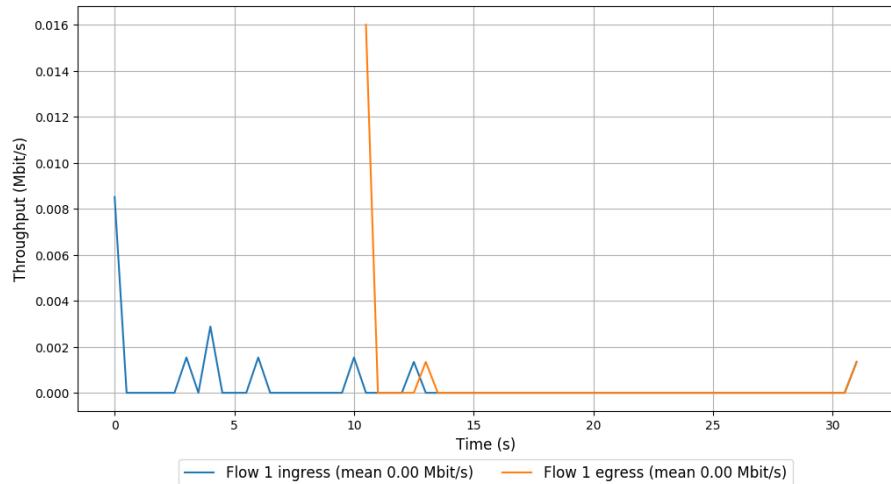
Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 13:14:10 +0000
End at: Tue, 13 Jun 2017 13:14:40 +0000
Local clock offset: 2.672 ms
Remote clock offset: -1.374 ms

Run 9: Report of TCP Cubic — Data Link

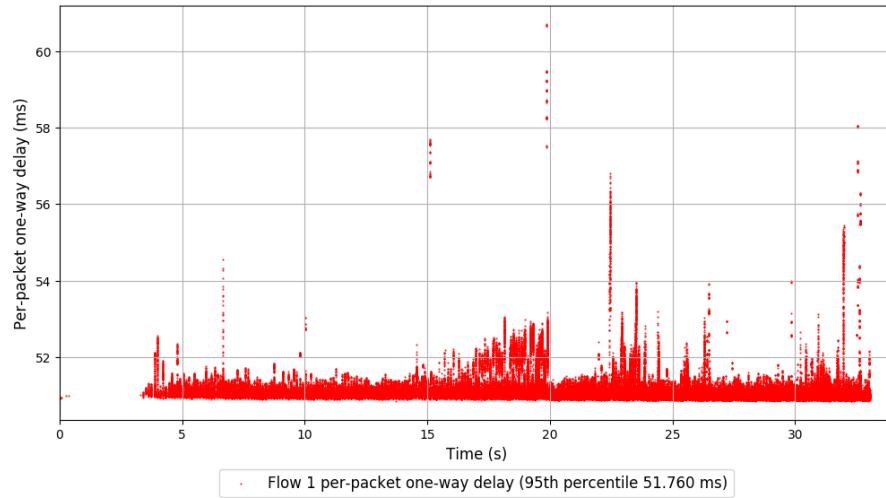
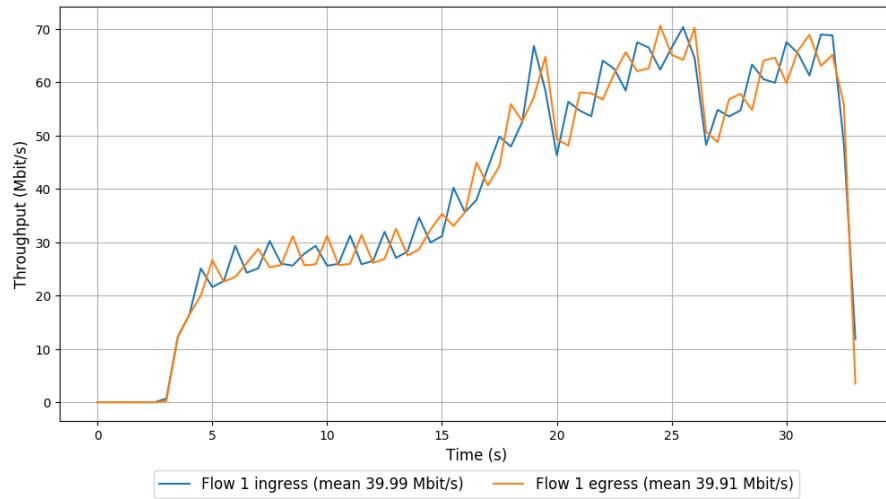


Run 10: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 13:34:11 +0000
End at: Tue, 13 Jun 2017 13:34:41 +0000
Local clock offset: 1.736 ms
Remote clock offset: -4.999 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 51.760 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 51.760 ms
Loss rate: 0.54%
```

Run 10: Report of TCP Cubic — Data Link



```
Run 1: Statistics of KohoCC
```

```
Start at: Tue, 13 Jun 2017 10:35:17 +0000
```

```
End at: Tue, 13 Jun 2017 10:35:47 +0000
```

```
Local clock offset: 3.937 ms
```

```
Remote clock offset: -1.77 ms
```

```
# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:36 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 9.12 Mbit/s
```

```
95th percentile per-packet one-way delay: 53.069 ms
```

```
Loss rate: 0.52%
```

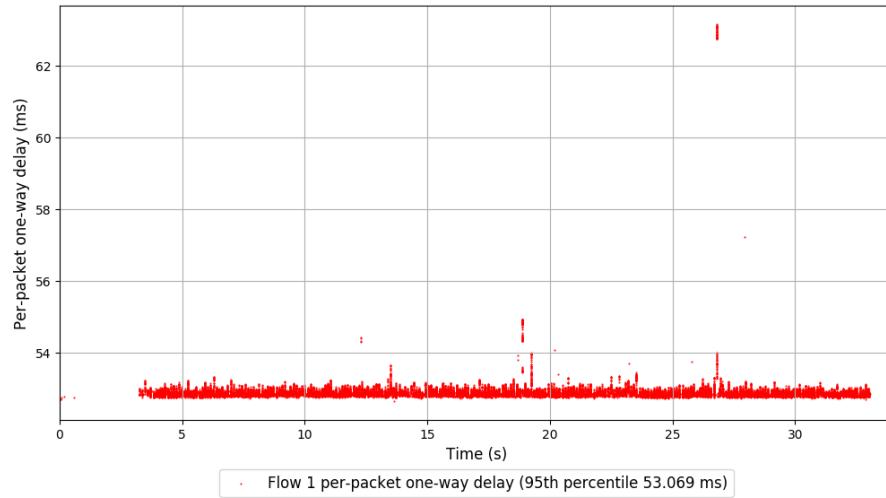
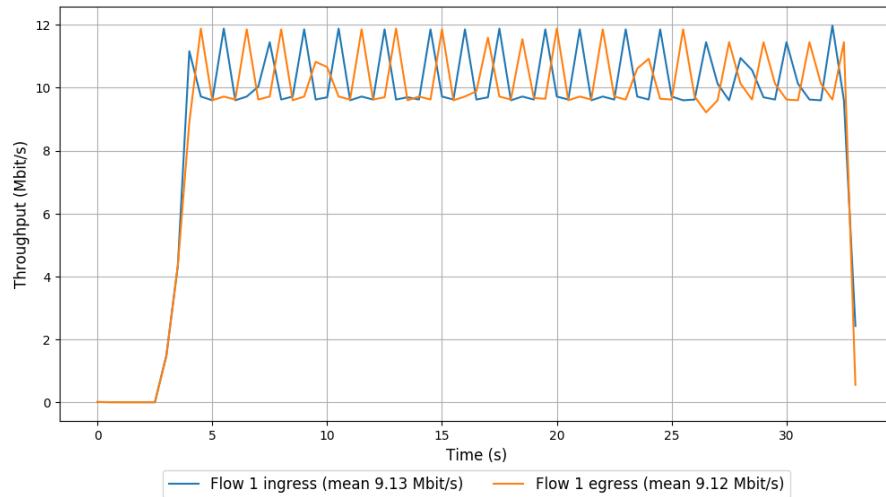
```
-- Flow 1:
```

```
Average throughput: 9.12 Mbit/s
```

```
95th percentile per-packet one-way delay: 53.069 ms
```

```
Loss rate: 0.52%
```

Run 1: Report of KohoCC — Data Link

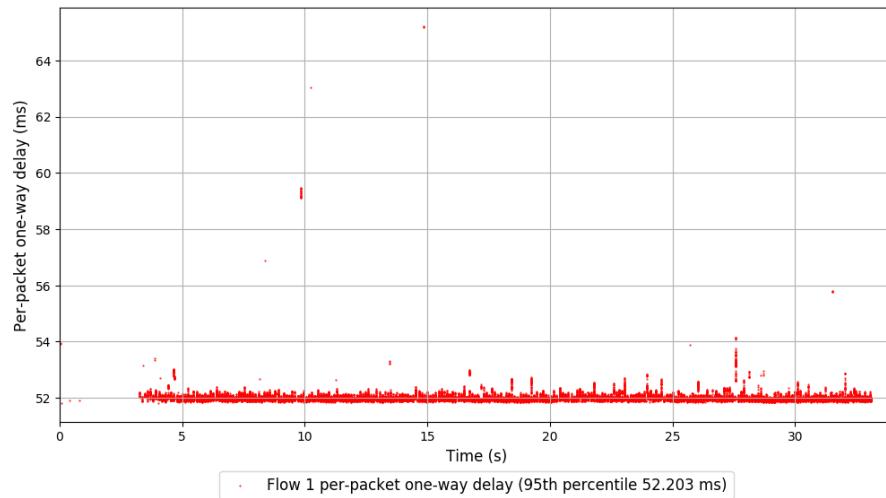
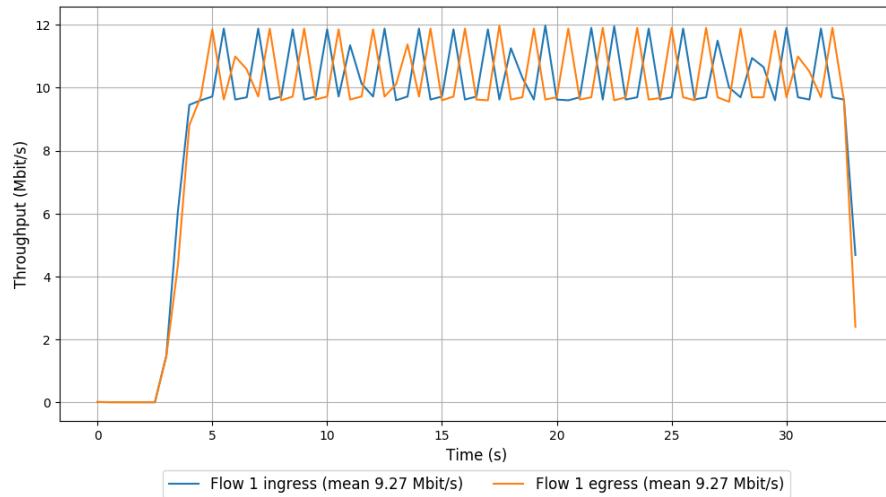


Run 2: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 10:55:05 +0000
End at: Tue, 13 Jun 2017 10:55:35 +0000
Local clock offset: 4.121 ms
Remote clock offset: -1.392 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 52.203 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 52.203 ms
Loss rate: 0.40%
```

Run 2: Report of KohoCC — Data Link

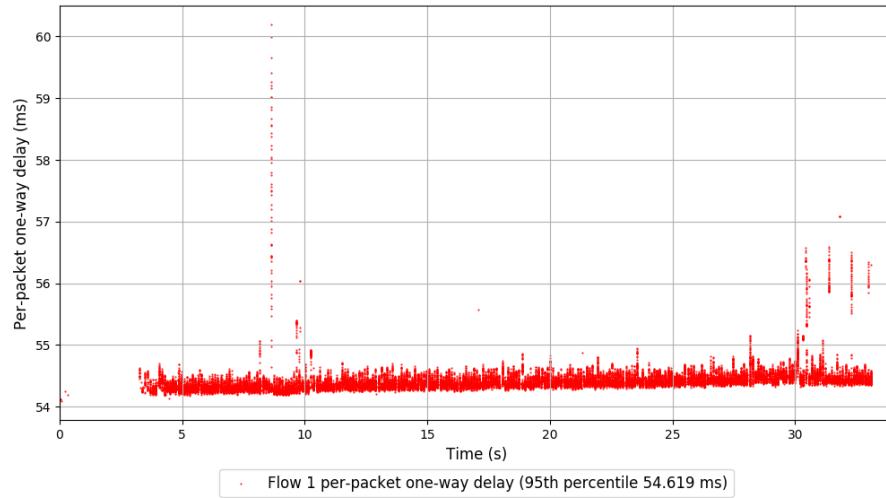
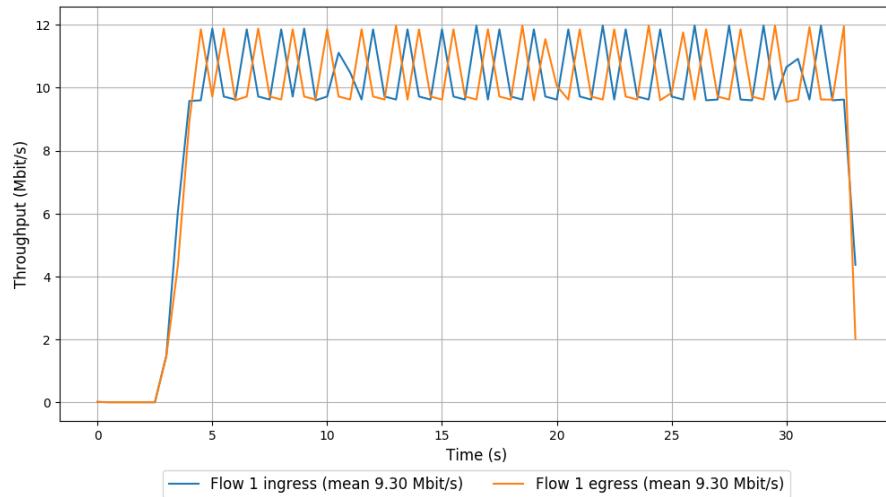


Run 3: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 11:14:35 +0000
End at: Tue, 13 Jun 2017 11:15:05 +0000
Local clock offset: 2.011 ms
Remote clock offset: -2.269 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.30 Mbit/s
95th percentile per-packet one-way delay: 54.619 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 9.30 Mbit/s
95th percentile per-packet one-way delay: 54.619 ms
Loss rate: 0.40%
```

Run 3: Report of KohoCC — Data Link

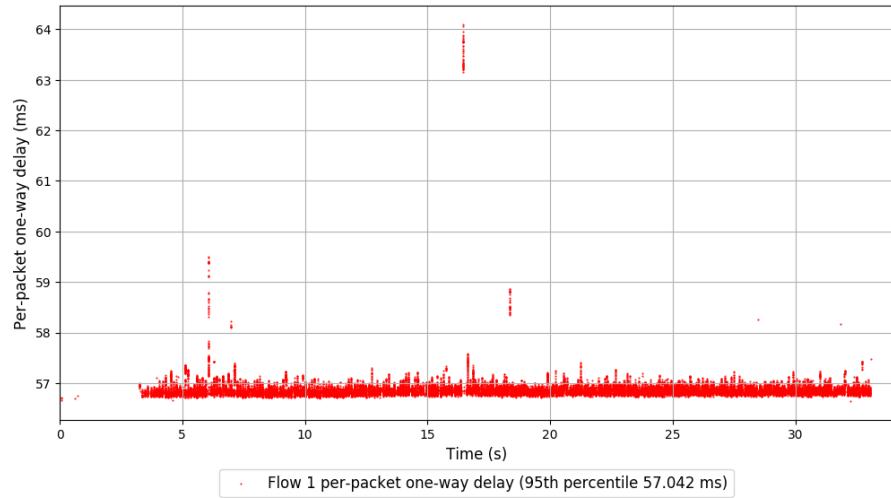
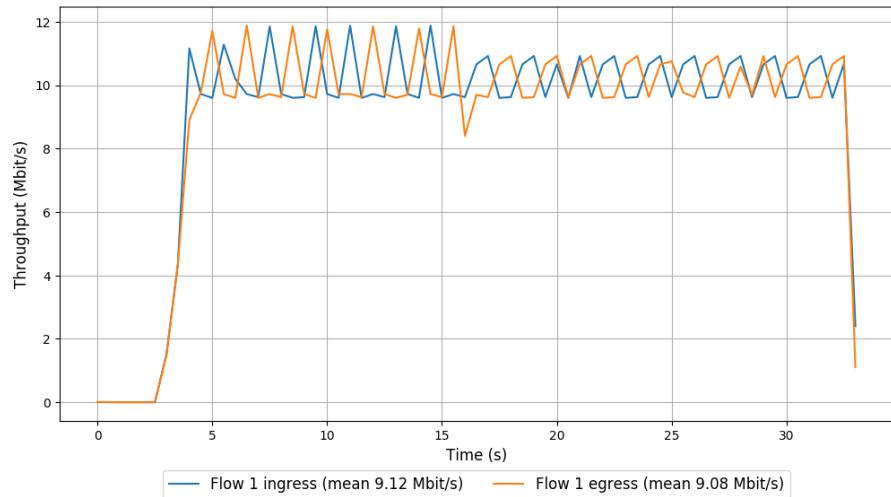


Run 4: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 11:34:16 +0000
End at: Tue, 13 Jun 2017 11:34:46 +0000
Local clock offset: -0.652 ms
Remote clock offset: -1.861 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.08 Mbit/s
95th percentile per-packet one-way delay: 57.042 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 9.08 Mbit/s
95th percentile per-packet one-way delay: 57.042 ms
Loss rate: 0.60%
```

Run 4: Report of KohoCC — Data Link

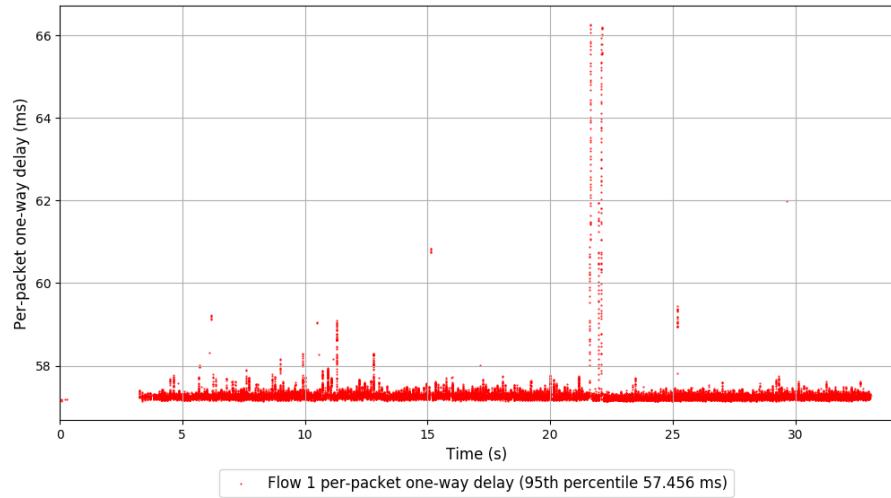
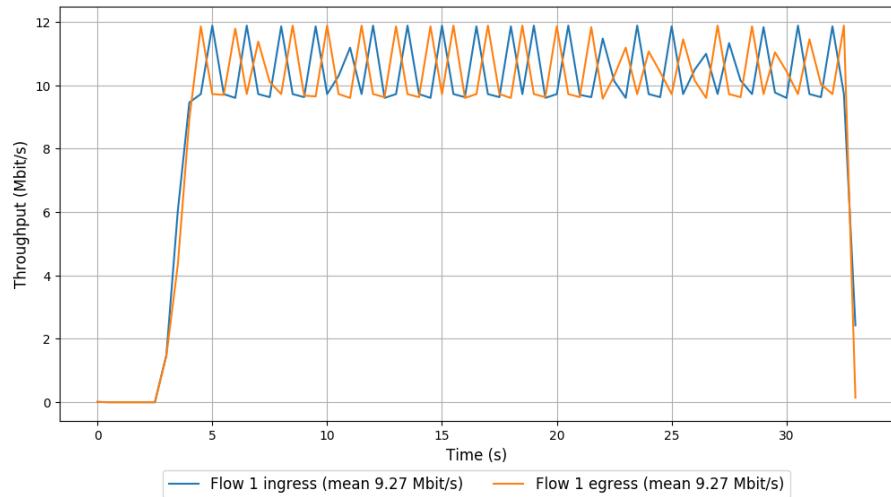


Run 5: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 11:53:58 +0000
End at: Tue, 13 Jun 2017 11:54:28 +0000
Local clock offset: -0.763 ms
Remote clock offset: -2.212 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 57.456 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 57.456 ms
Loss rate: 0.42%
```

Run 5: Report of KohoCC — Data Link

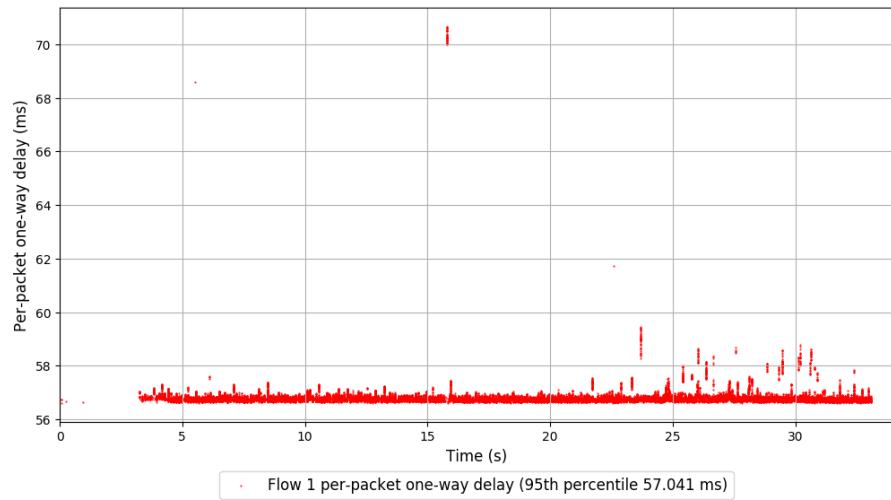
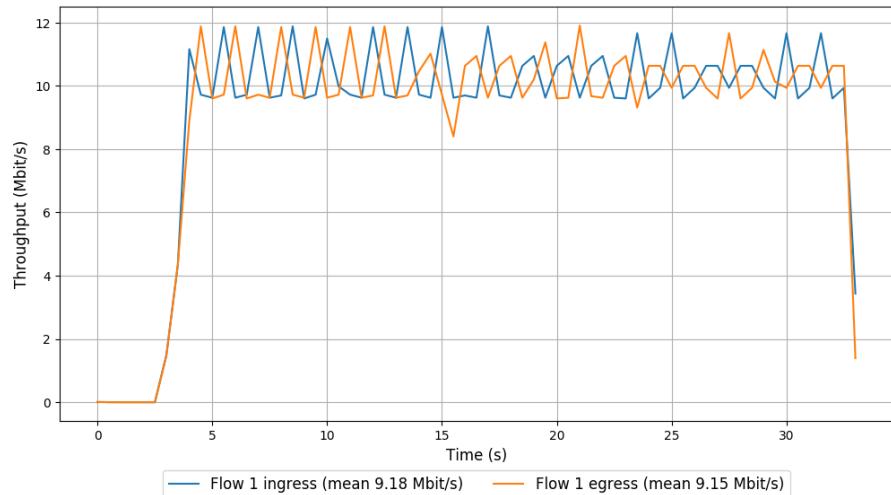


Run 6: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 12:13:39 +0000
End at: Tue, 13 Jun 2017 12:14:09 +0000
Local clock offset: -0.868 ms
Remote clock offset: -1.901 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 57.041 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 9.15 Mbit/s
95th percentile per-packet one-way delay: 57.041 ms
Loss rate: 0.64%
```

Run 6: Report of KohoCC — Data Link

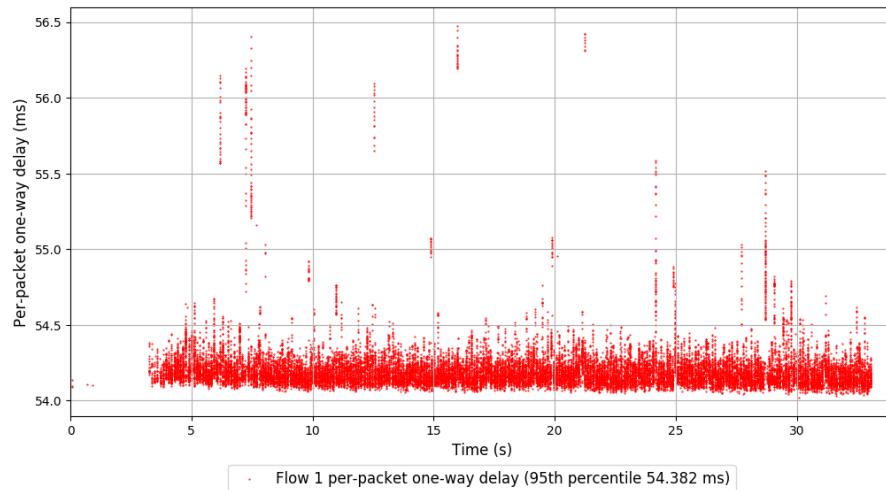
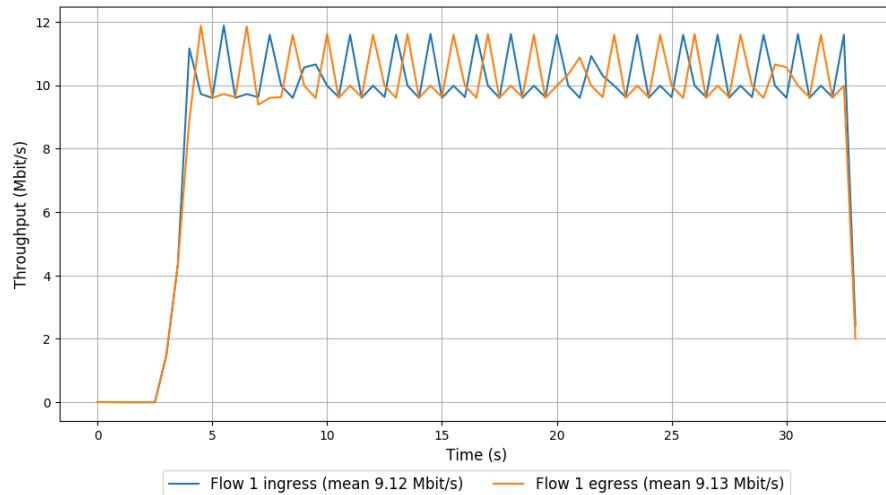


Run 7: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 12:33:17 +0000
End at: Tue, 13 Jun 2017 12:33:47 +0000
Local clock offset: 2.012 ms
Remote clock offset: -1.6 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 54.382 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 54.382 ms
Loss rate: 0.46%
```

Run 7: Report of KohoCC — Data Link

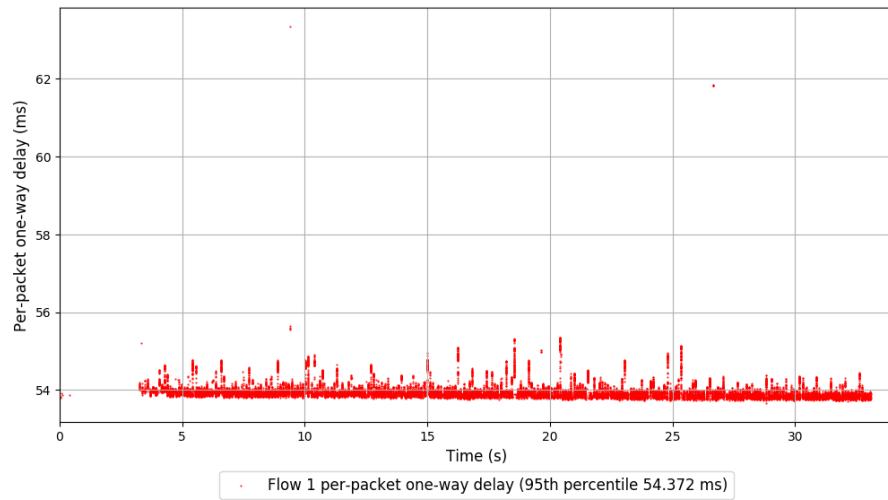
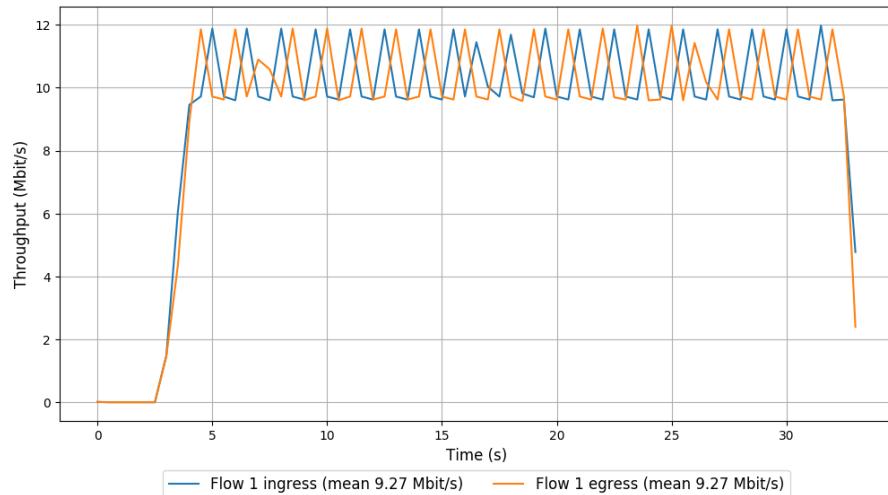


Run 8: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 12:53:06 +0000
End at: Tue, 13 Jun 2017 12:53:36 +0000
Local clock offset: 2.221 ms
Remote clock offset: -1.695 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 54.372 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 9.27 Mbit/s
95th percentile per-packet one-way delay: 54.372 ms
Loss rate: 0.40%
```

Run 8: Report of KohoCC — Data Link

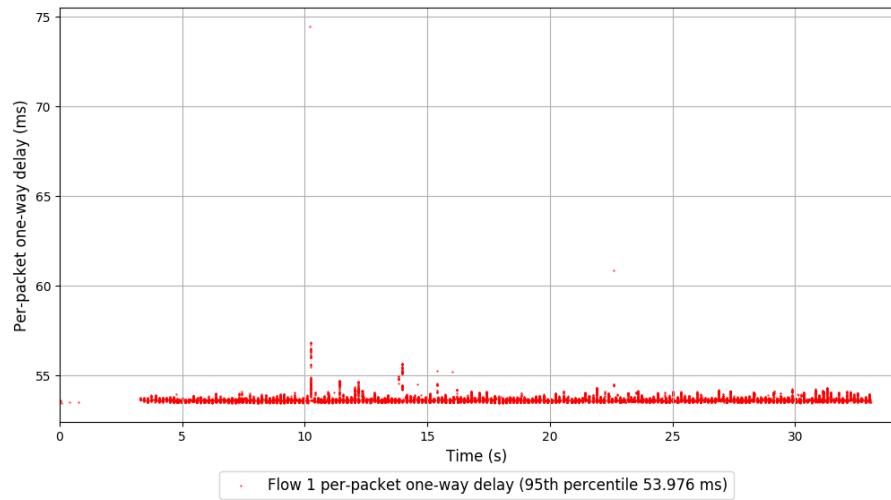
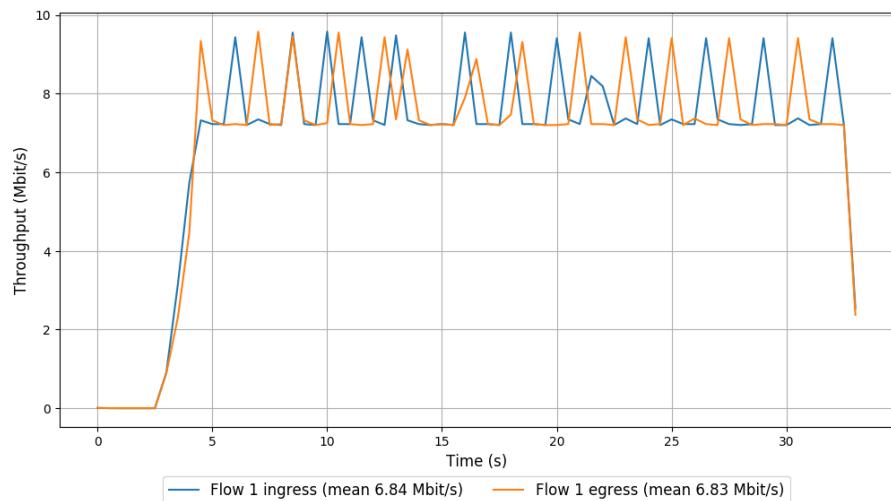


Run 9: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 13:12:52 +0000
End at: Tue, 13 Jun 2017 13:13:22 +0000
Local clock offset: 2.583 ms
Remote clock offset: -1.981 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 53.976 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 6.83 Mbit/s
95th percentile per-packet one-way delay: 53.976 ms
Loss rate: 0.60%
```

Run 9: Report of KohoCC — Data Link

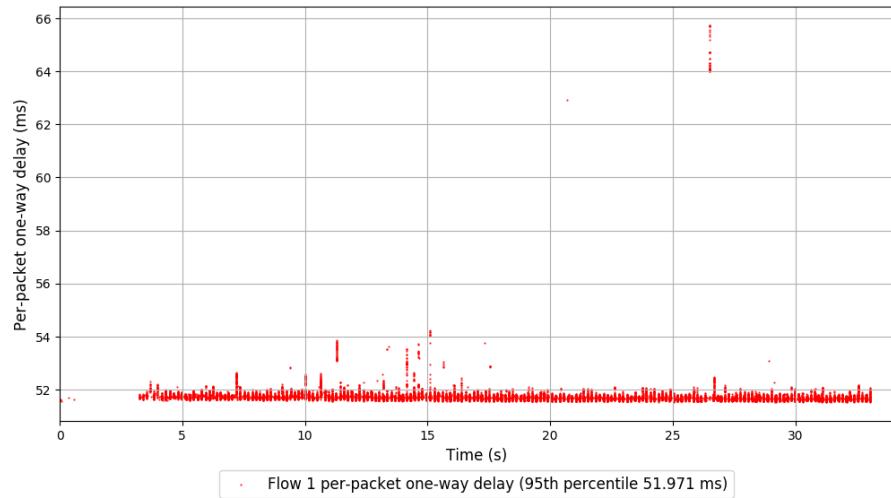
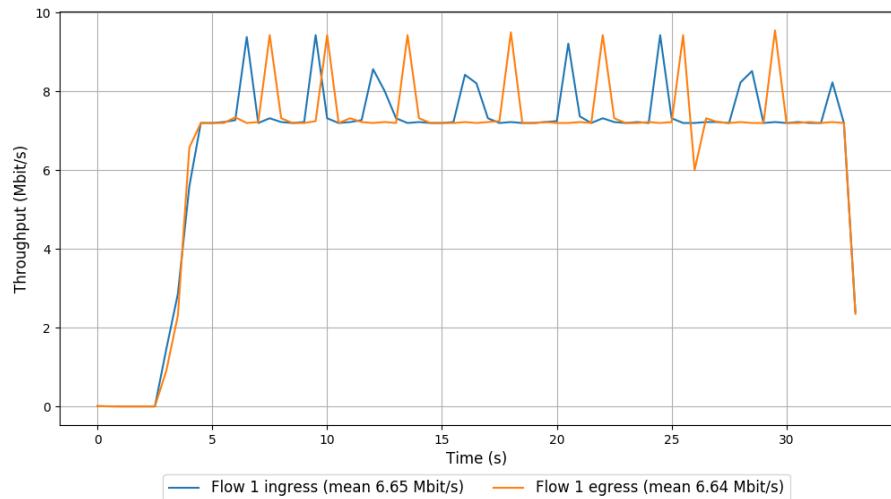


Run 10: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 13:32:54 +0000
End at: Tue, 13 Jun 2017 13:33:24 +0000
Local clock offset: 1.827 ms
Remote clock offset: -4.771 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 51.971 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 51.971 ms
Loss rate: 0.52%
```

Run 10: Report of KohoCC — Data Link

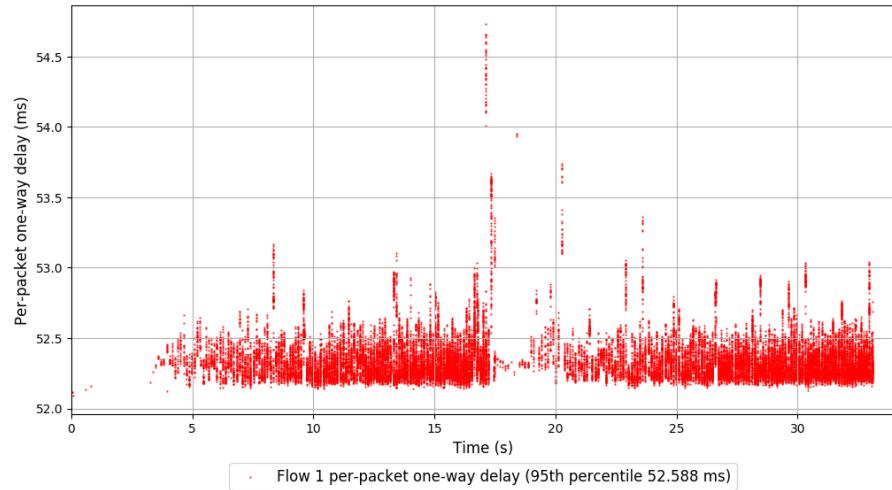
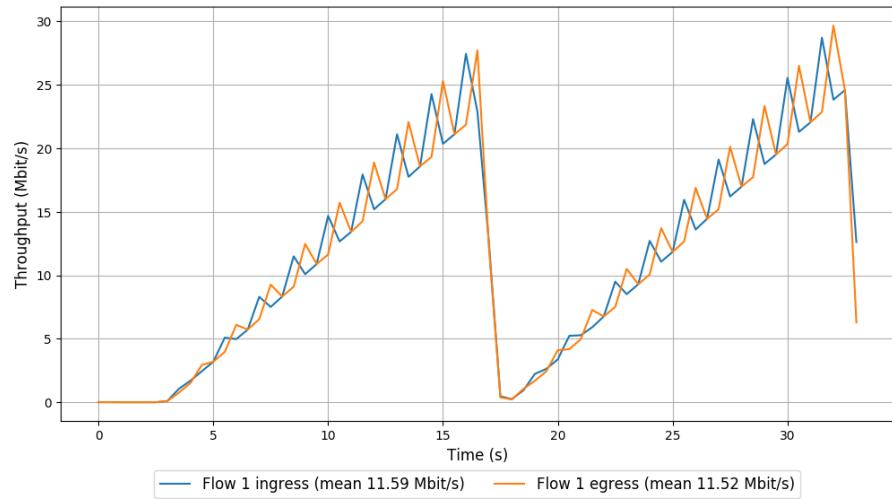


```
Run 1: Statistics of LEDBAT
```

```
Start at: Tue, 13 Jun 2017 10:53:48 +0000
End at: Tue, 13 Jun 2017 10:54:18 +0000
Local clock offset: 4.164 ms
Remote clock offset: -1.472 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 52.588 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 52.588 ms
Loss rate: 0.96%
```

Run 1: Report of LEDBAT — Data Link

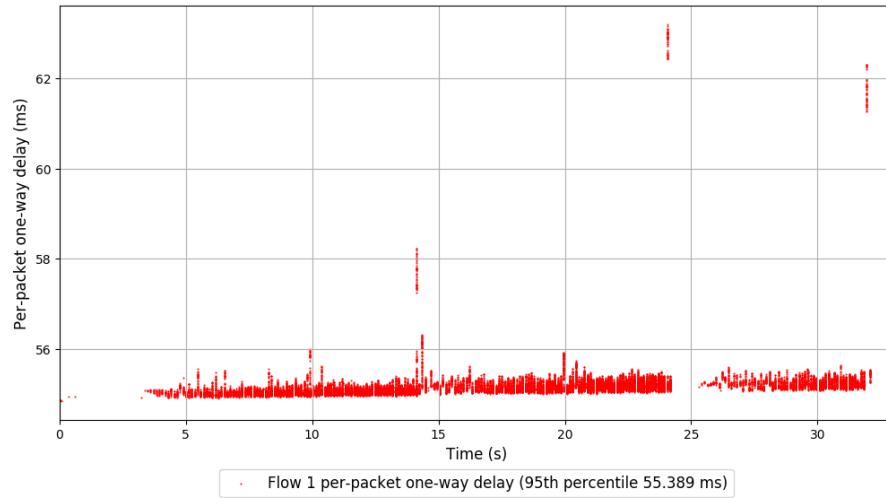
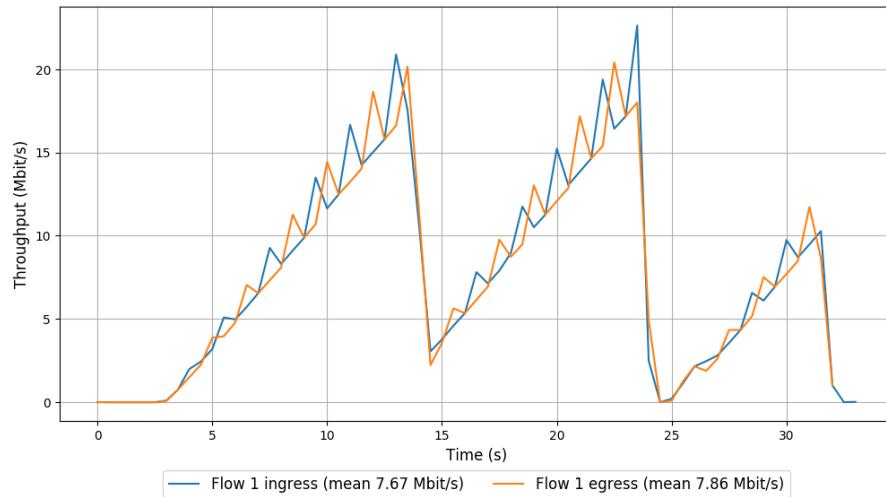


Run 2: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 11:13:19 +0000
End at: Tue, 13 Jun 2017 11:13:49 +0000
Local clock offset: 2.507 ms
Remote clock offset: -2.251 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 55.389 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 55.389 ms
Loss rate: 0.92%
```

Run 2: Report of LEDBAT — Data Link

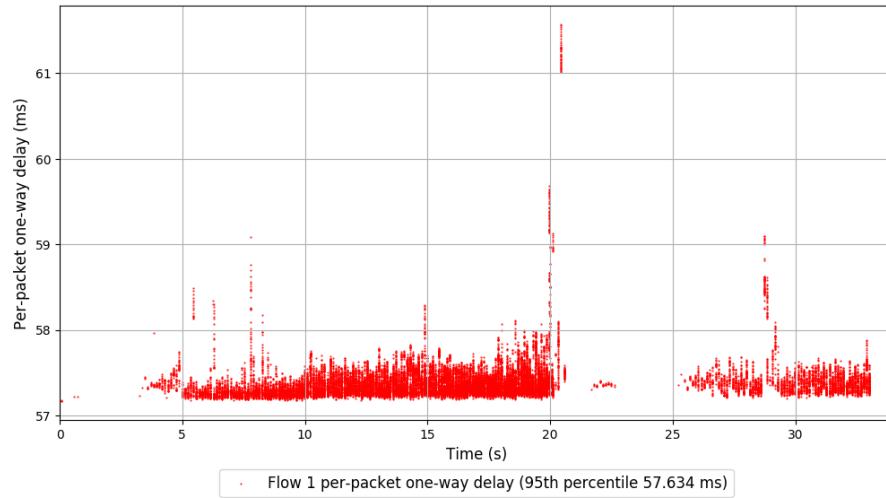
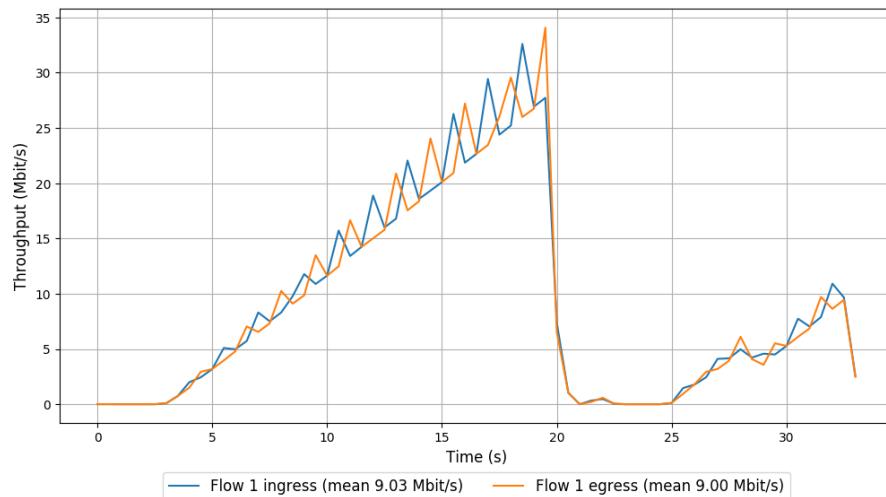


Run 3: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 11:33:00 +0000
End at: Tue, 13 Jun 2017 11:33:30 +0000
Local clock offset: -0.649 ms
Remote clock offset: -2.198 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.00 Mbit/s
95th percentile per-packet one-way delay: 57.634 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 9.00 Mbit/s
95th percentile per-packet one-way delay: 57.634 ms
Loss rate: 0.66%
```

Run 3: Report of LEDBAT — Data Link

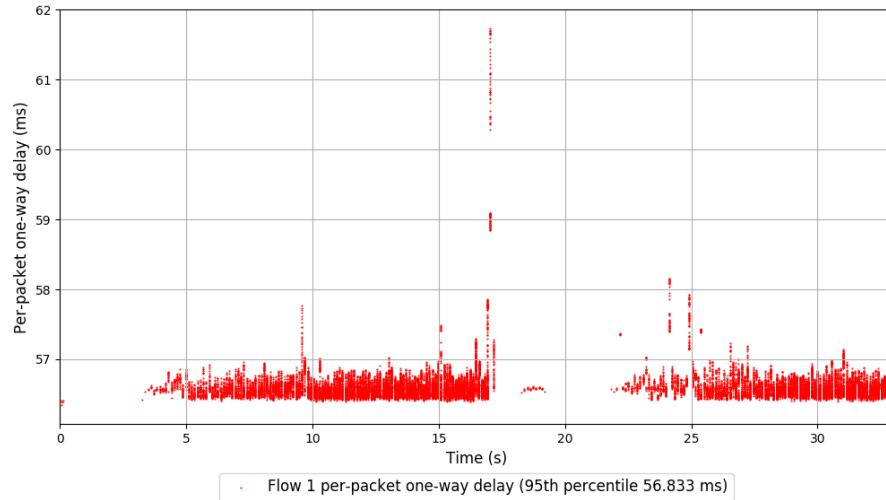
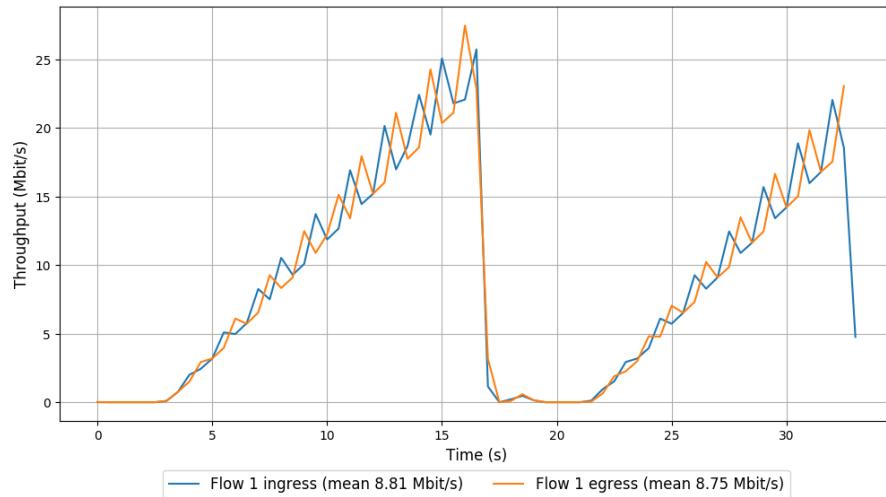


Run 4: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 11:52:42 +0000
End at: Tue, 13 Jun 2017 11:53:12 +0000
Local clock offset: -0.719 ms
Remote clock offset: -1.988 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 56.833 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 56.833 ms
Loss rate: 0.96%
```

Run 4: Report of LEDBAT — Data Link

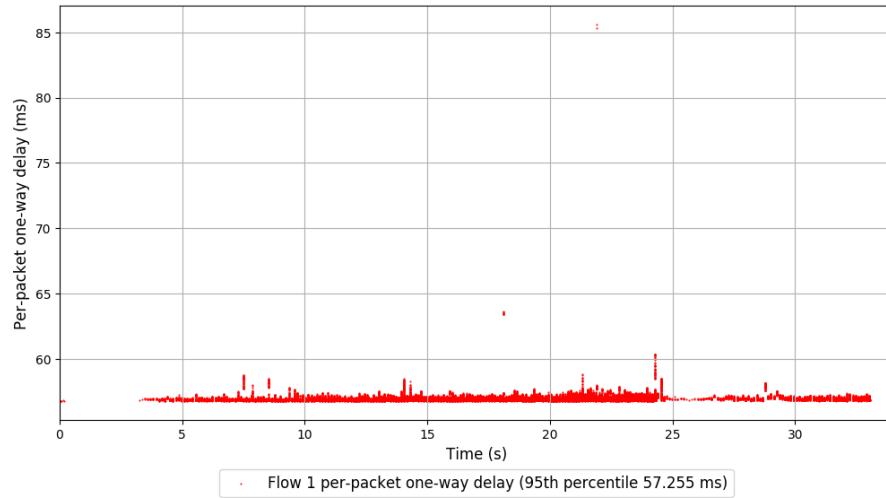
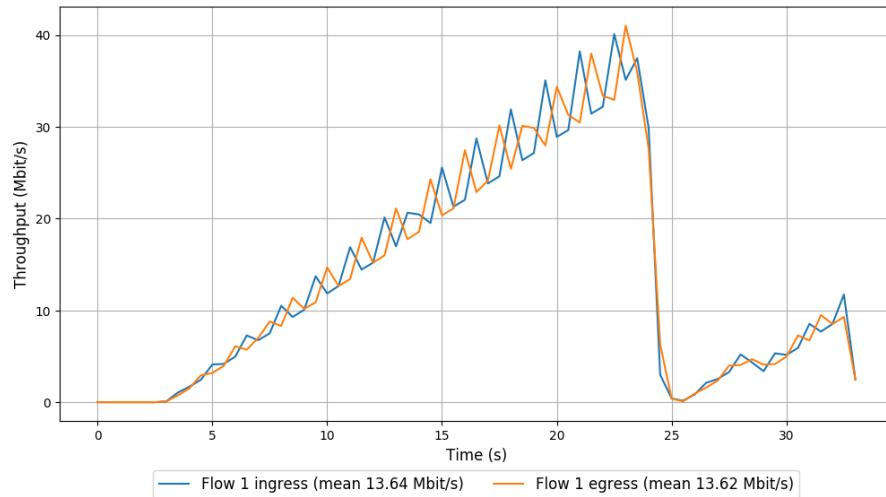


Run 5: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 12:12:23 +0000
End at: Tue, 13 Jun 2017 12:12:53 +0000
Local clock offset: -0.856 ms
Remote clock offset: -1.872 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.62 Mbit/s
95th percentile per-packet one-way delay: 57.255 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 13.62 Mbit/s
95th percentile per-packet one-way delay: 57.255 ms
Loss rate: 0.48%
```

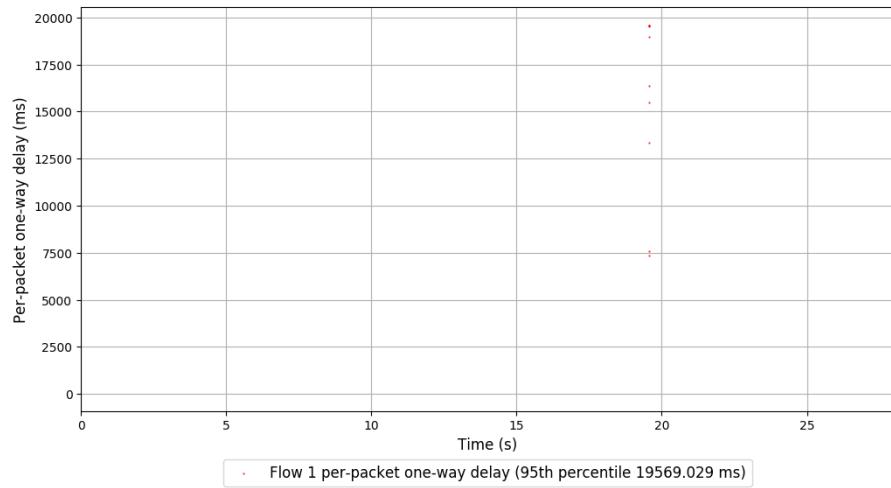
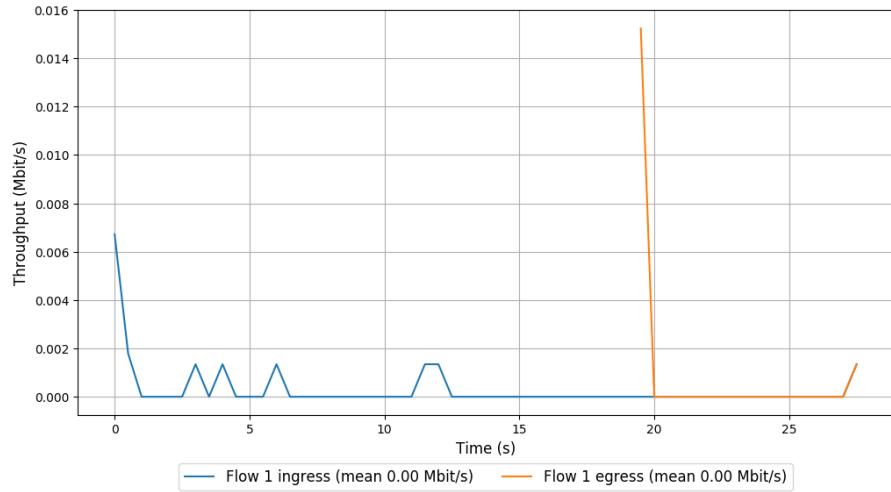
Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 12:32:02 +0000
End at: Tue, 13 Jun 2017 12:32:32 +0000
Local clock offset: 1.971 ms
Remote clock offset: -1.68 ms

Run 6: Report of LEDBAT — Data Link

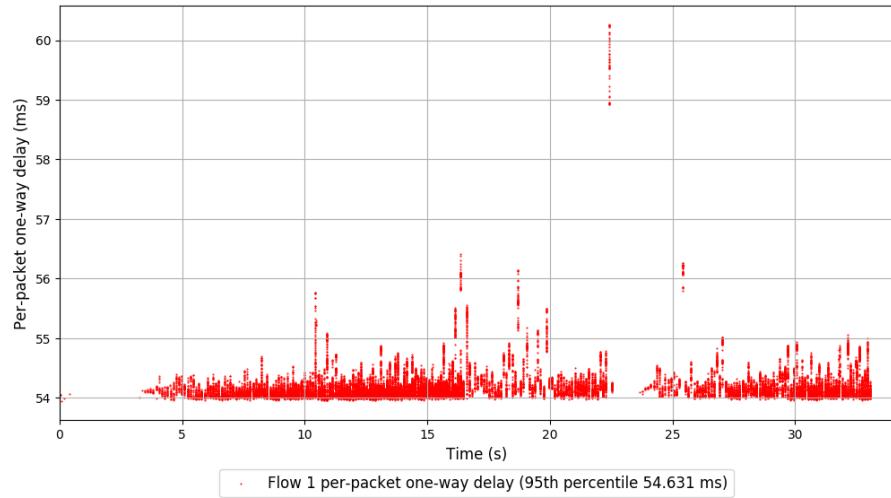
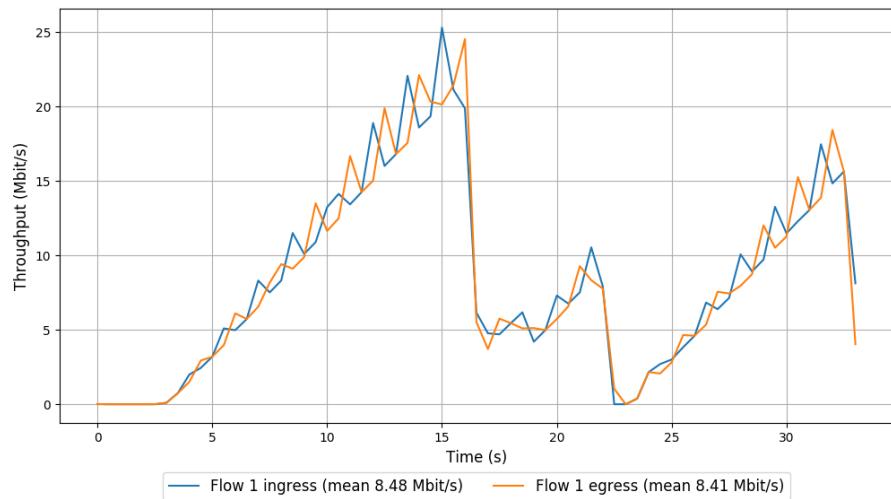


Run 7: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 12:51:50 +0000
End at: Tue, 13 Jun 2017 12:52:20 +0000
Local clock offset: 2.108 ms
Remote clock offset: -1.873 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 54.631 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 54.631 ms
Loss rate: 1.14%
```

Run 7: Report of LEDBAT — Data Link

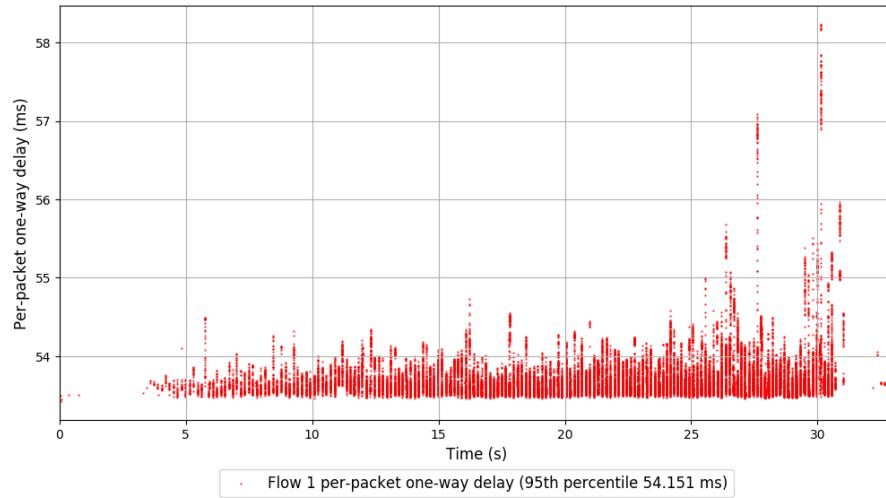
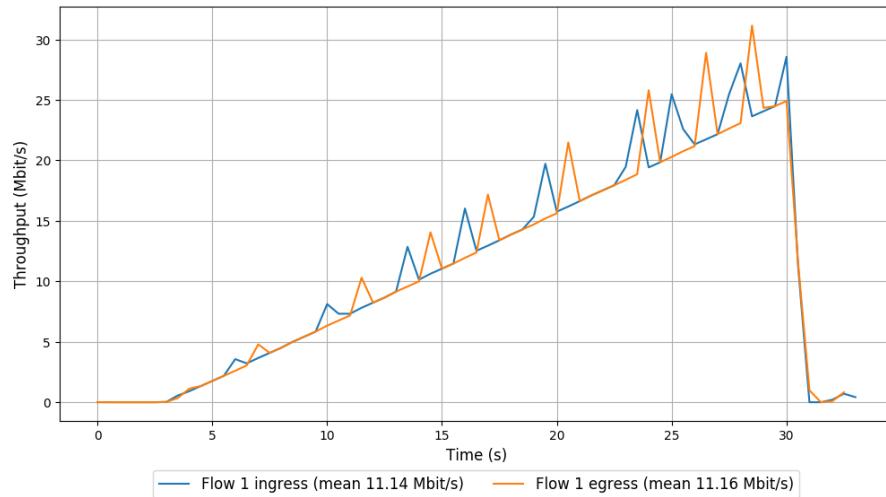


Run 8: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 13:11:34 +0000
End at: Tue, 13 Jun 2017 13:12:04 +0000
Local clock offset: 2.637 ms
Remote clock offset: -1.999 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 54.151 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 11.16 Mbit/s
95th percentile per-packet one-way delay: 54.151 ms
Loss rate: 0.38%
```

Run 8: Report of LEDBAT — Data Link

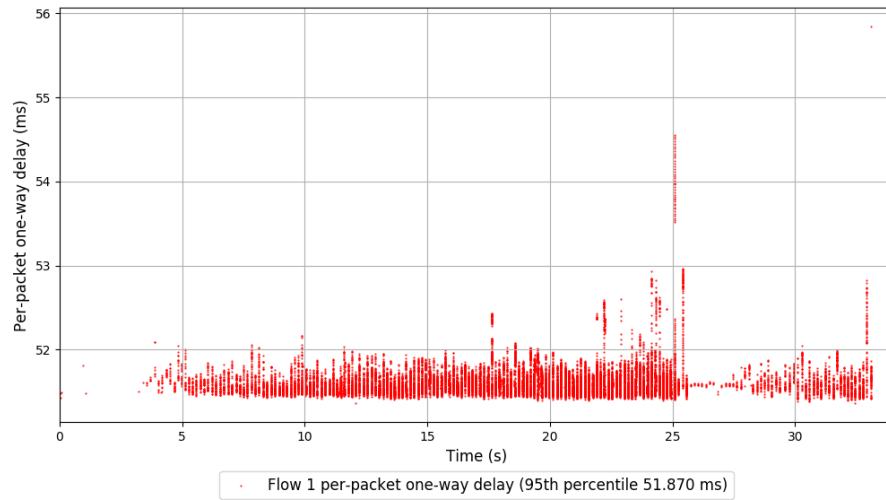
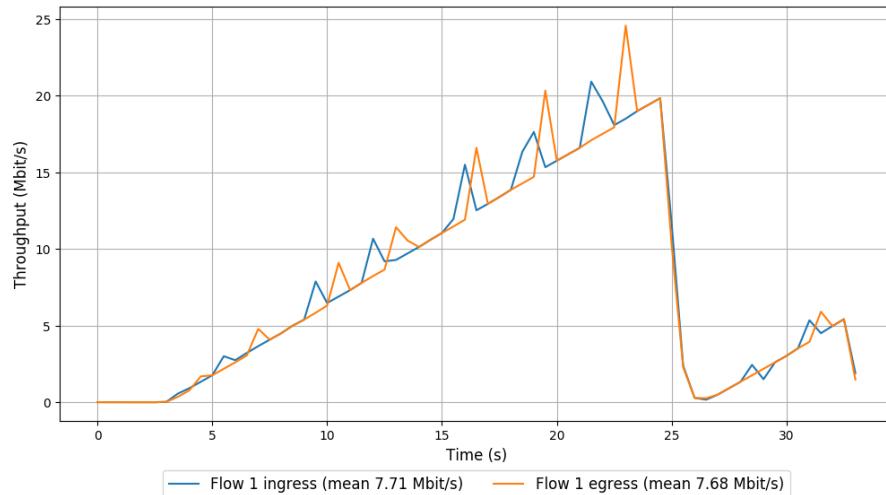


Run 9: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 13:31:37 +0000
End at: Tue, 13 Jun 2017 13:32:07 +0000
Local clock offset: 1.872 ms
Remote clock offset: -4.281 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 51.870 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 7.68 Mbit/s
95th percentile per-packet one-way delay: 51.870 ms
Loss rate: 0.35%
```

Run 9: Report of LEDBAT — Data Link

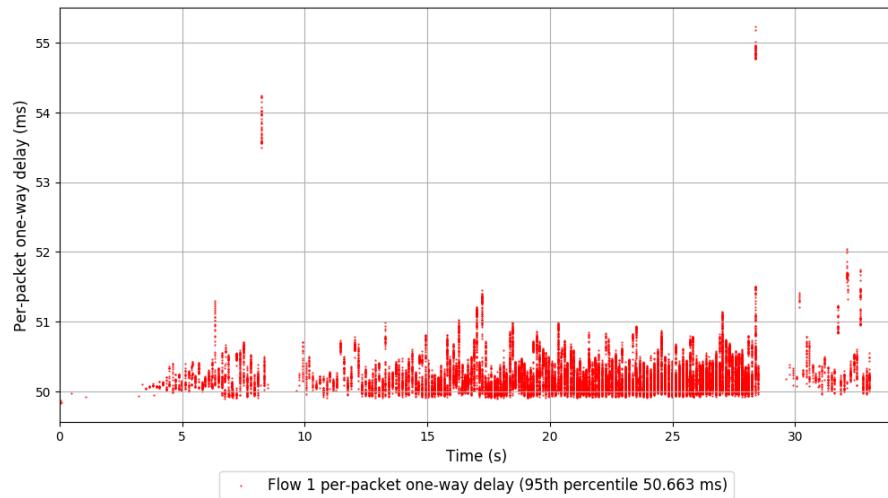
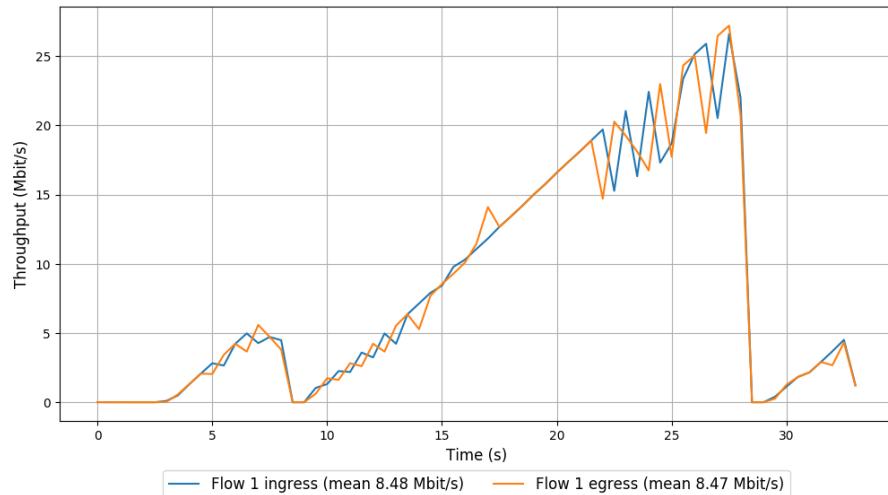


Run 10: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 13:51:35 +0000
End at: Tue, 13 Jun 2017 13:52:05 +0000
Local clock offset: 0.902 ms
Remote clock offset: -6.508 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:49:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 50.663 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 50.663 ms
Loss rate: 0.57%
```

Run 10: Report of LEDBAT — Data Link

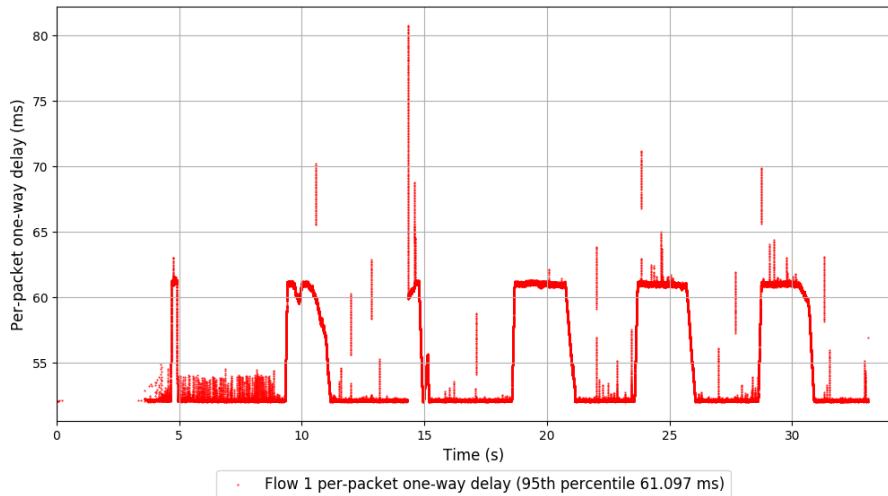
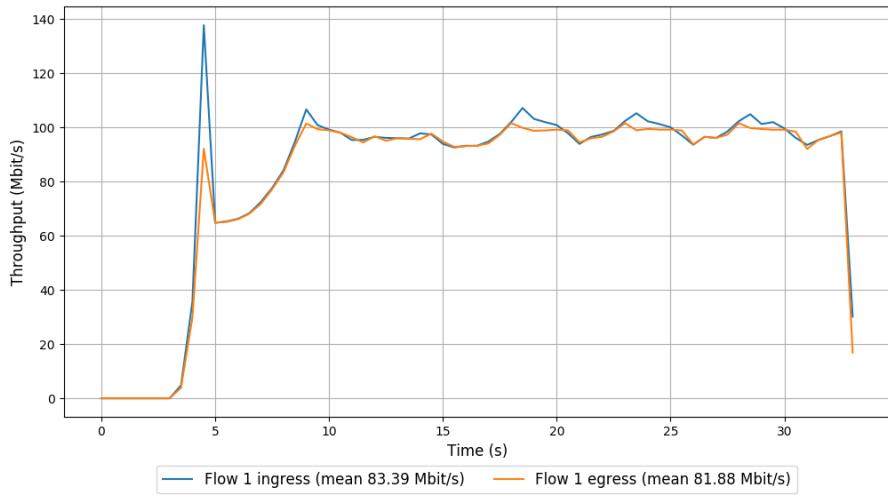


Run 1: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 10:42:00 +0000
End at: Tue, 13 Jun 2017 10:42:30 +0000
Local clock offset: 4.002 ms
Remote clock offset: -1.502 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.88 Mbit/s
95th percentile per-packet one-way delay: 61.097 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 81.88 Mbit/s
95th percentile per-packet one-way delay: 61.097 ms
Loss rate: 2.14%
```

Run 1: Report of PCC — Data Link

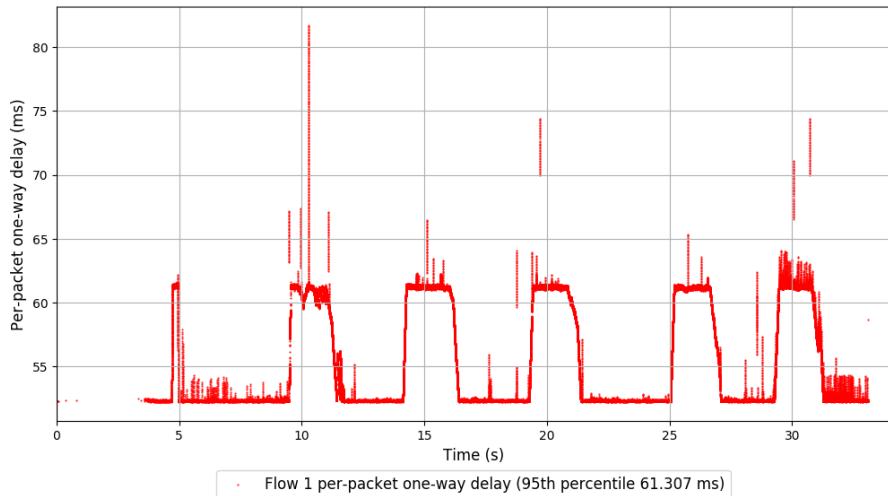
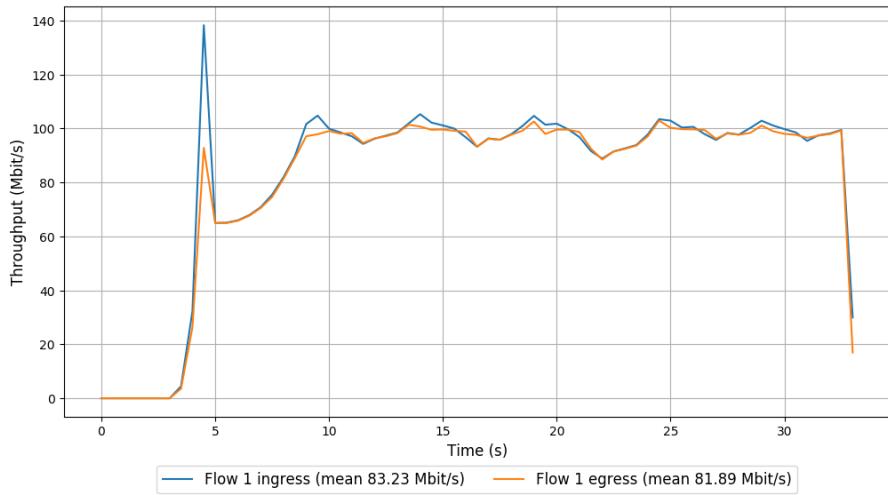


Run 2: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 11:01:35 +0000
End at: Tue, 13 Jun 2017 11:02:05 +0000
Local clock offset: 4.011 ms
Remote clock offset: -1.938 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: 61.307 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: 61.307 ms
Loss rate: 1.94%
```

Run 2: Report of PCC — Data Link

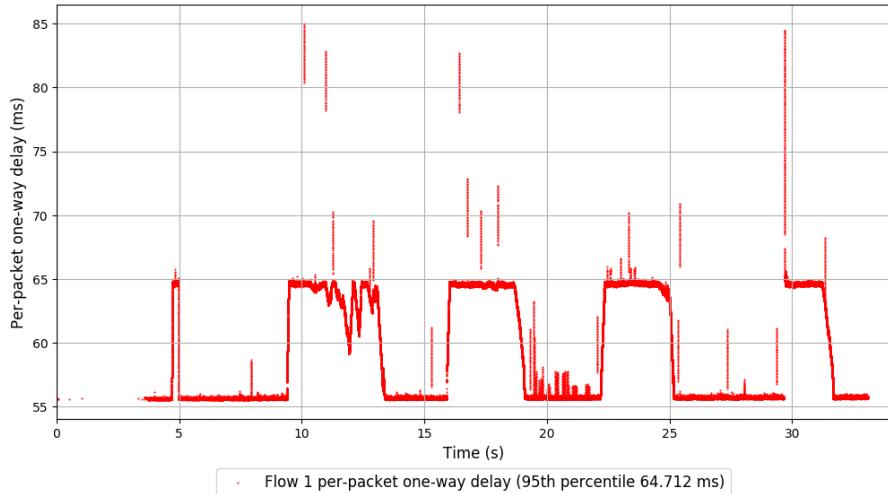
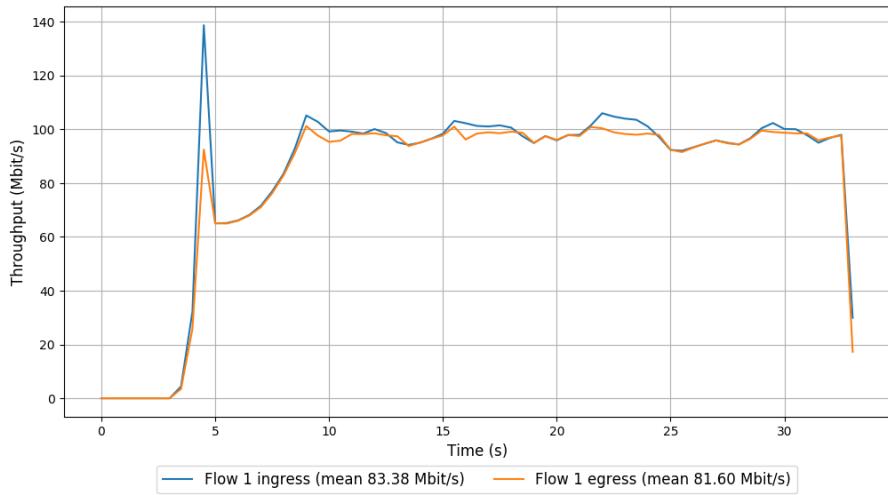


Run 3: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 11:21:15 +0000
End at: Tue, 13 Jun 2017 11:21:45 +0000
Local clock offset: 0.358 ms
Remote clock offset: -1.989 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.60 Mbit/s
95th percentile per-packet one-way delay: 64.712 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 81.60 Mbit/s
95th percentile per-packet one-way delay: 64.712 ms
Loss rate: 2.48%
```

Run 3: Report of PCC — Data Link

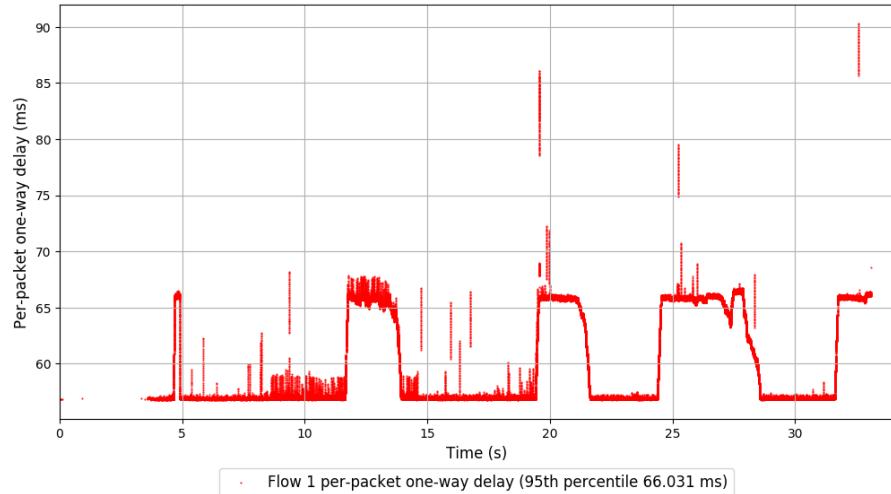
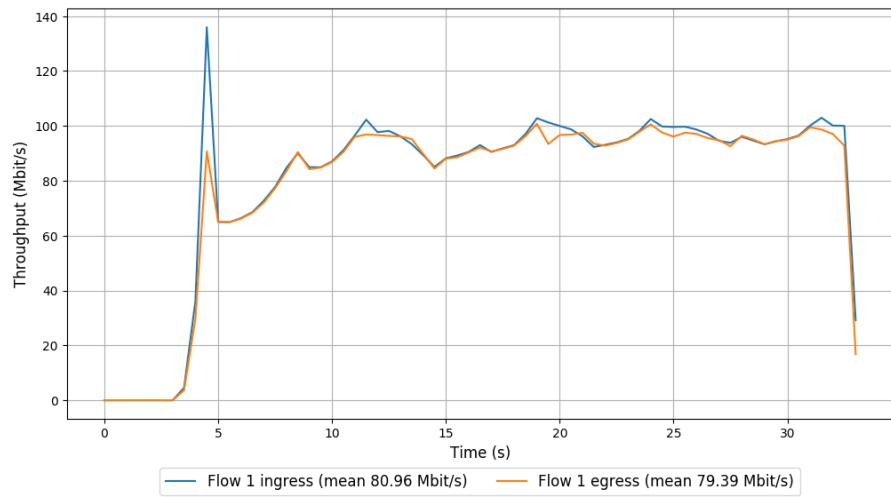


Run 4: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 11:40:55 +0000
End at: Tue, 13 Jun 2017 11:41:25 +0000
Local clock offset: -0.936 ms
Remote clock offset: -2.283 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.39 Mbit/s
95th percentile per-packet one-way delay: 66.031 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 79.39 Mbit/s
95th percentile per-packet one-way delay: 66.031 ms
Loss rate: 2.27%
```

Run 4: Report of PCC — Data Link

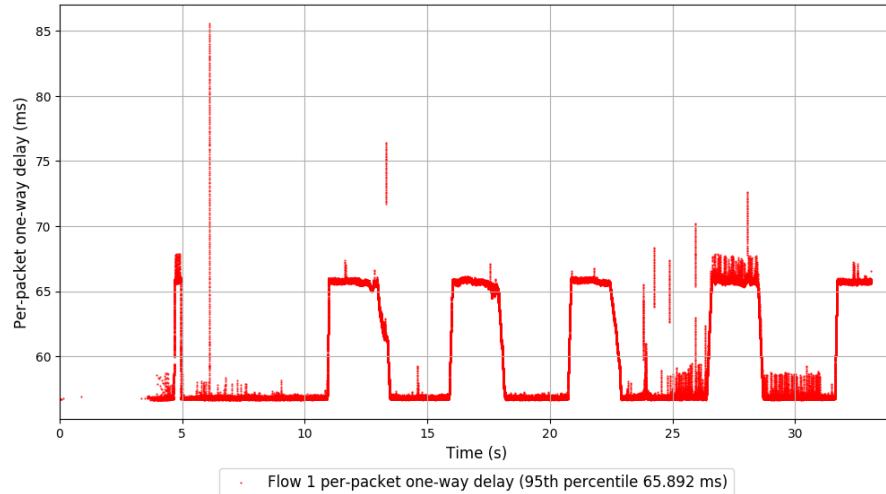
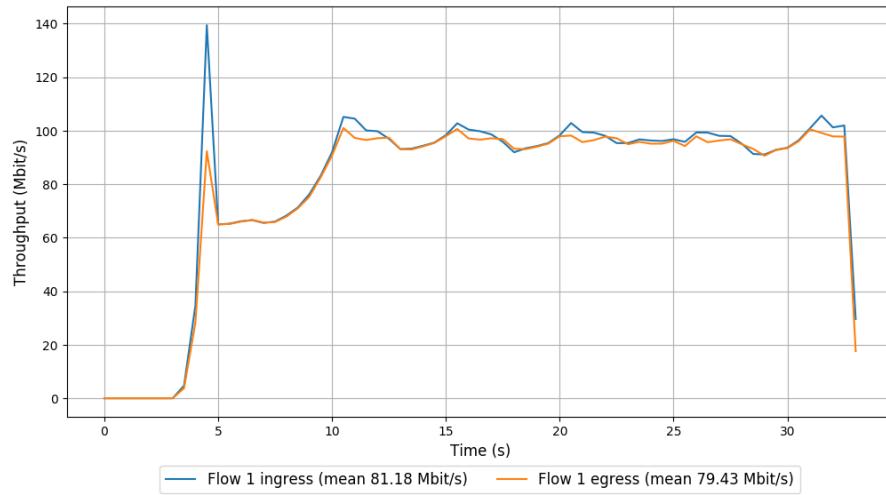


Run 5: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 12:00:39 +0000
End at: Tue, 13 Jun 2017 12:01:09 +0000
Local clock offset: -0.727 ms
Remote clock offset: -1.633 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.43 Mbit/s
95th percentile per-packet one-way delay: 65.892 ms
Loss rate: 2.49%
-- Flow 1:
Average throughput: 79.43 Mbit/s
95th percentile per-packet one-way delay: 65.892 ms
Loss rate: 2.49%
```

Run 5: Report of PCC — Data Link

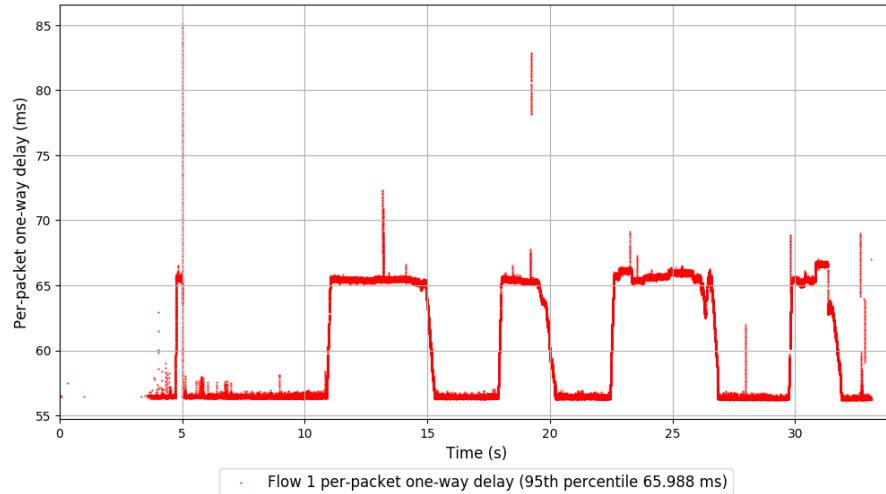
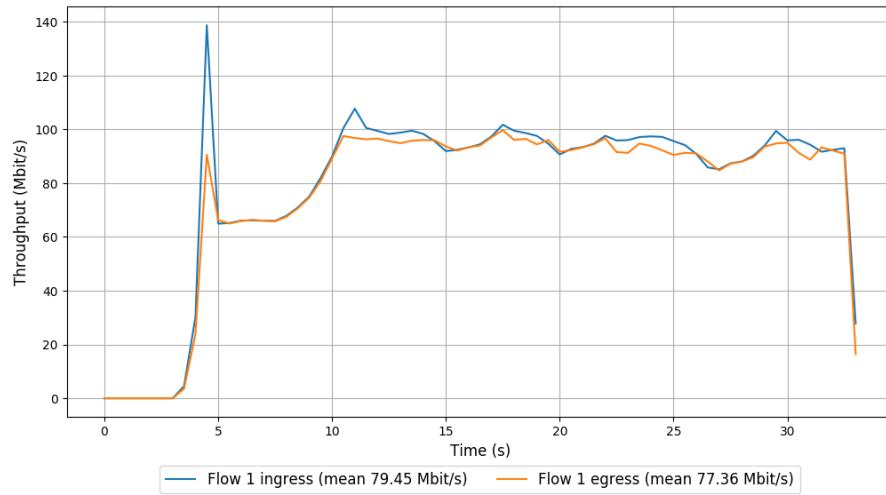


Run 6: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 12:20:10 +0000
End at: Tue, 13 Jun 2017 12:20:40 +0000
Local clock offset: -0.433 ms
Remote clock offset: -1.778 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.36 Mbit/s
95th percentile per-packet one-way delay: 65.988 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 77.36 Mbit/s
95th percentile per-packet one-way delay: 65.988 ms
Loss rate: 2.94%
```

Run 6: Report of PCC — Data Link

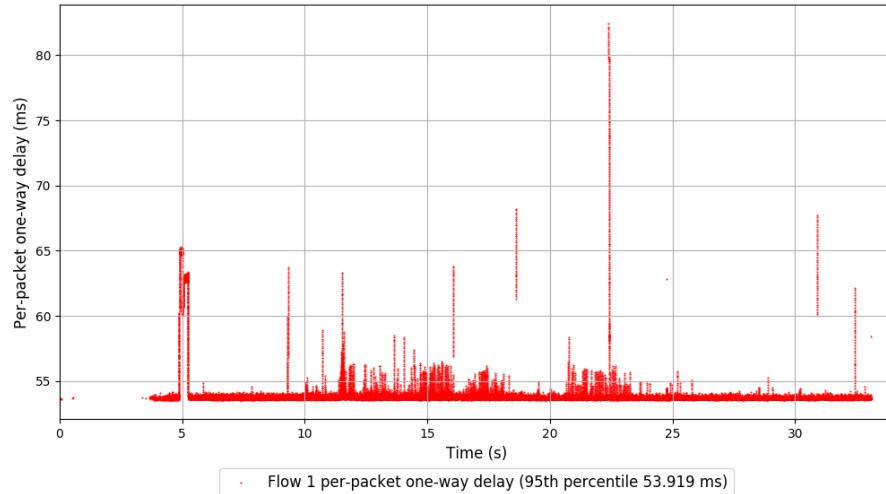
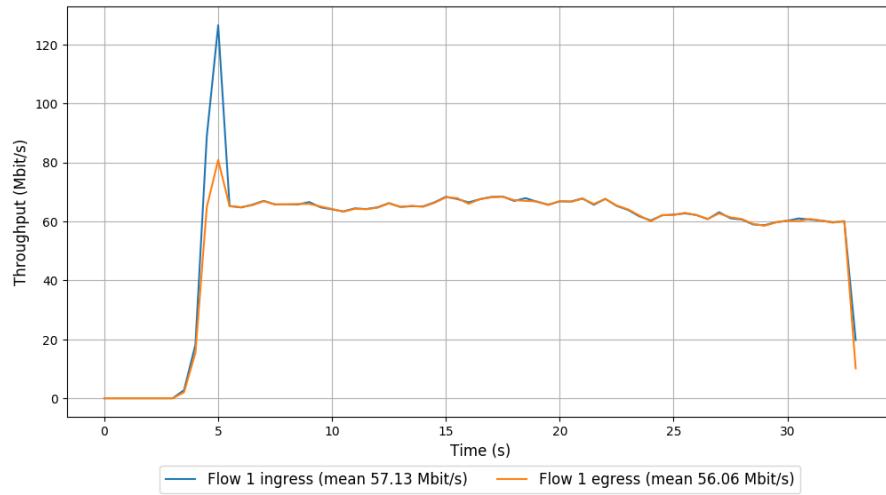


Run 7: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 12:39:53 +0000
End at: Tue, 13 Jun 2017 12:40:23 +0000
Local clock offset: 2.337 ms
Remote clock offset: -1.977 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.06 Mbit/s
95th percentile per-packet one-way delay: 53.919 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 56.06 Mbit/s
95th percentile per-packet one-way delay: 53.919 ms
Loss rate: 2.24%
```

Run 7: Report of PCC — Data Link

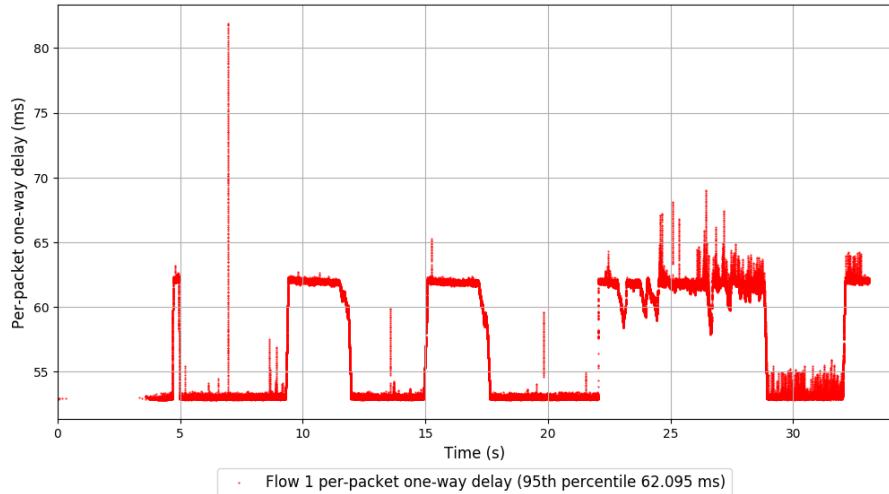
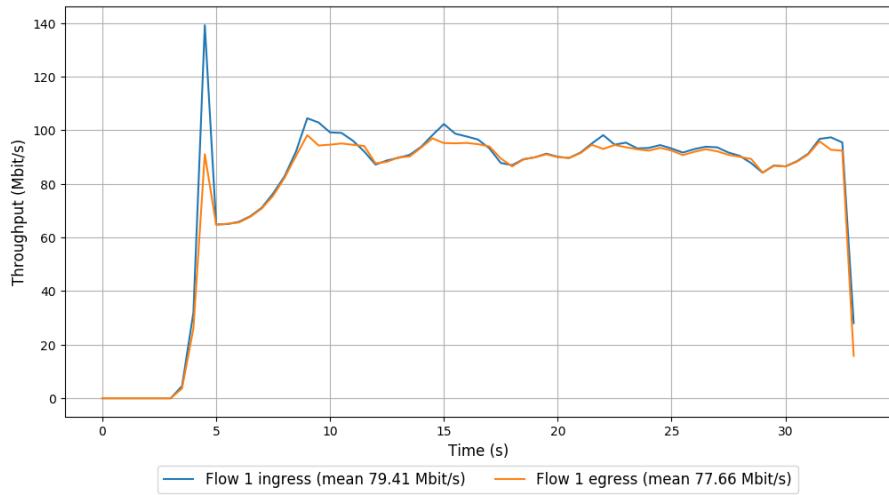


Run 8: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 12:59:38 +0000
End at: Tue, 13 Jun 2017 13:00:08 +0000
Local clock offset: 2.532 ms
Remote clock offset: -1.759 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.66 Mbit/s
95th percentile per-packet one-way delay: 62.095 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 77.66 Mbit/s
95th percentile per-packet one-way delay: 62.095 ms
Loss rate: 2.53%
```

Run 8: Report of PCC — Data Link

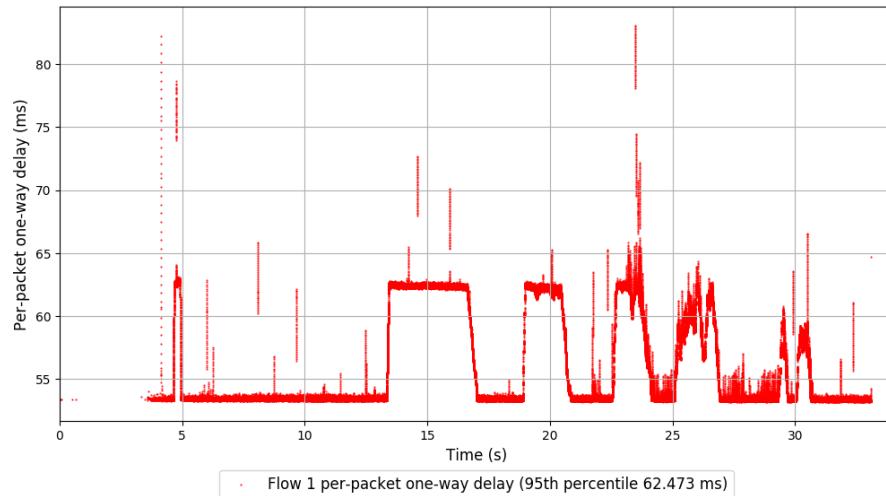
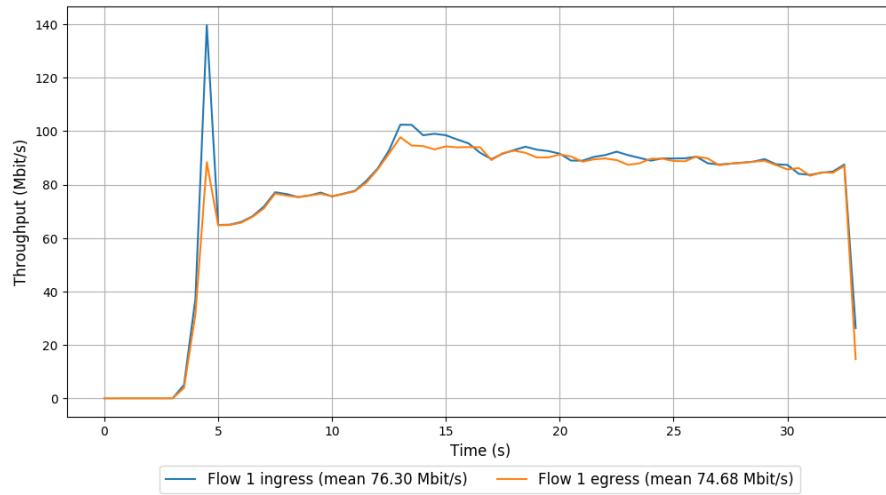


Run 9: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 13:19:41 +0000
End at: Tue, 13 Jun 2017 13:20:11 +0000
Local clock offset: 2.713 ms
Remote clock offset: -2.184 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 62.473 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 62.473 ms
Loss rate: 2.44%
```

Run 9: Report of PCC — Data Link

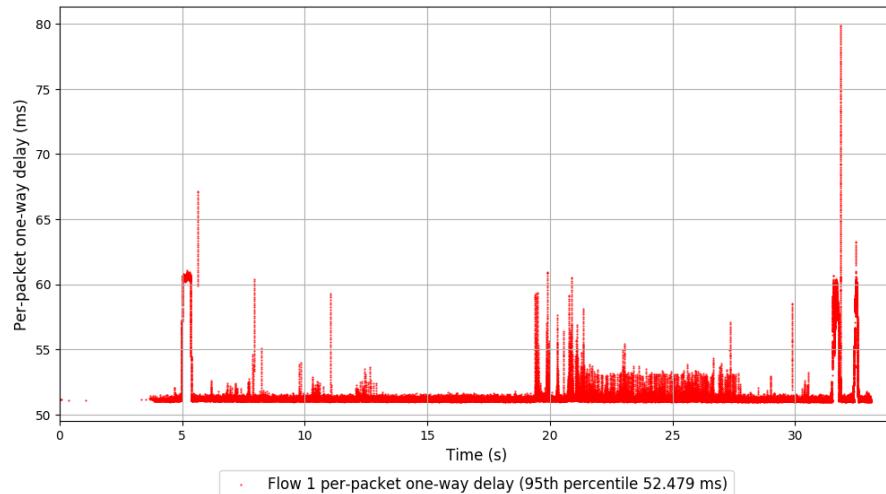
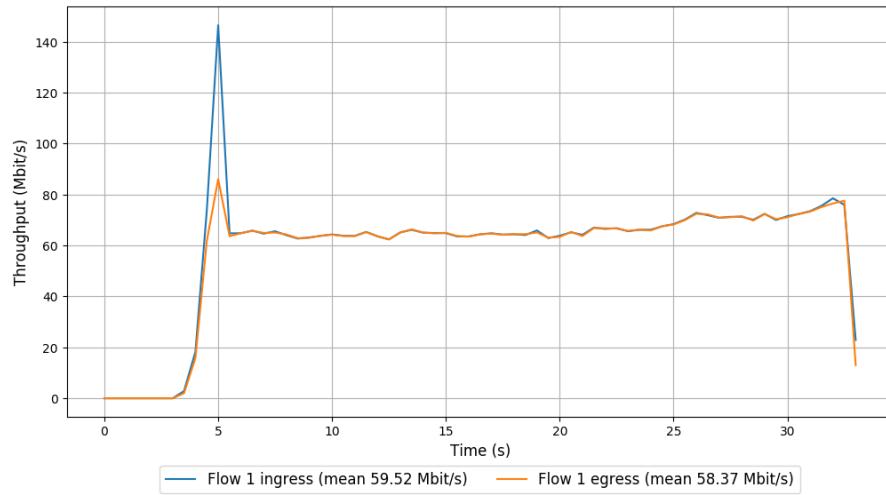


Run 10: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 13:39:43 +0000
End at: Tue, 13 Jun 2017 13:40:13 +0000
Local clock offset: 1.471 ms
Remote clock offset: -5.798 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.37 Mbit/s
95th percentile per-packet one-way delay: 52.479 ms
Loss rate: 2.28%
-- Flow 1:
Average throughput: 58.37 Mbit/s
95th percentile per-packet one-way delay: 52.479 ms
Loss rate: 2.28%
```

Run 10: Report of PCC — Data Link



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

```
Start at: Tue, 13 Jun 2017 10:47:21 +0000
```

```
End at: Tue, 13 Jun 2017 10:47:51 +0000
```

```
Local clock offset: 4.143 ms
```

```
Remote clock offset: -1.683 ms
```

```
# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:56 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 16.39 Mbit/s
```

```
95th percentile per-packet one-way delay: 52.300 ms
```

```
Loss rate: 0.02%
```

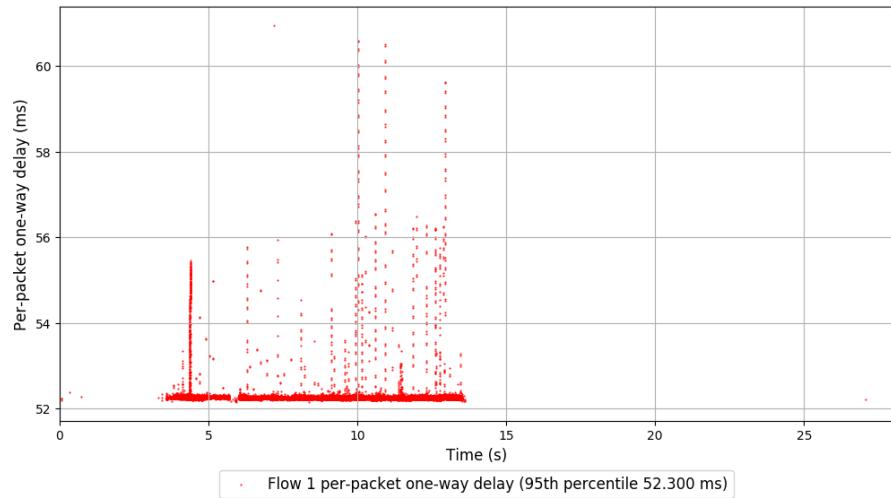
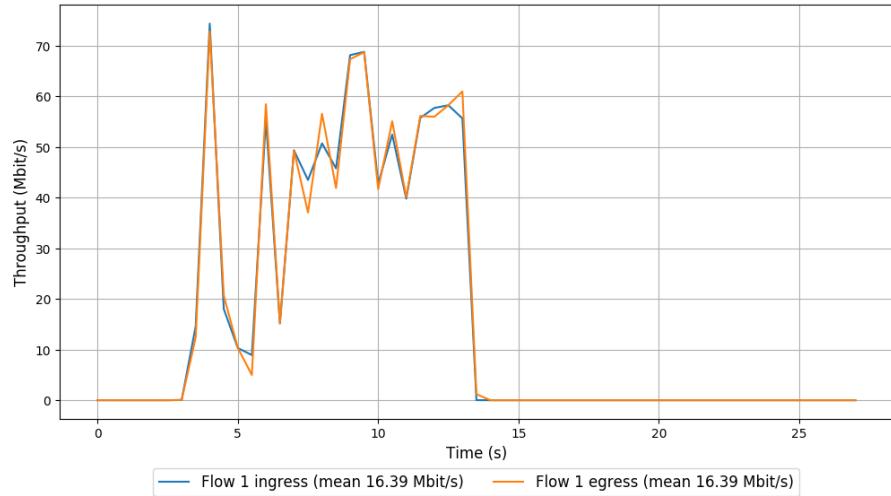
```
-- Flow 1:
```

```
Average throughput: 16.39 Mbit/s
```

```
95th percentile per-packet one-way delay: 52.300 ms
```

```
Loss rate: 0.02%
```

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

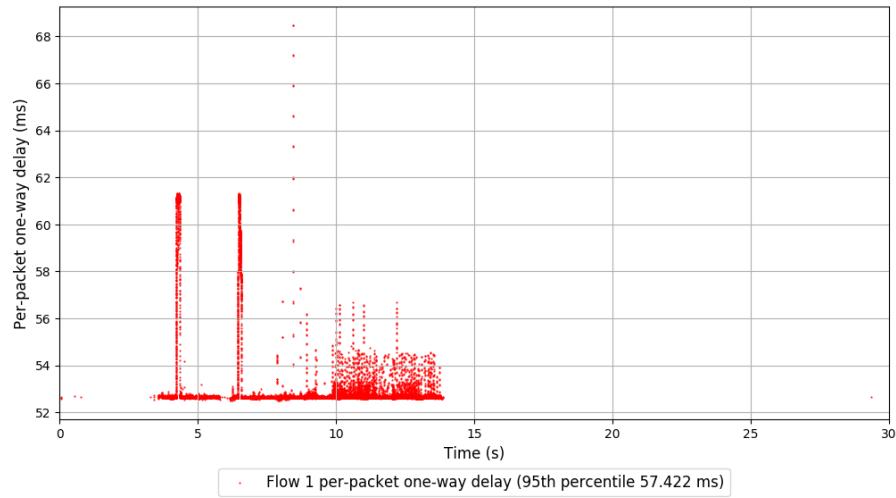
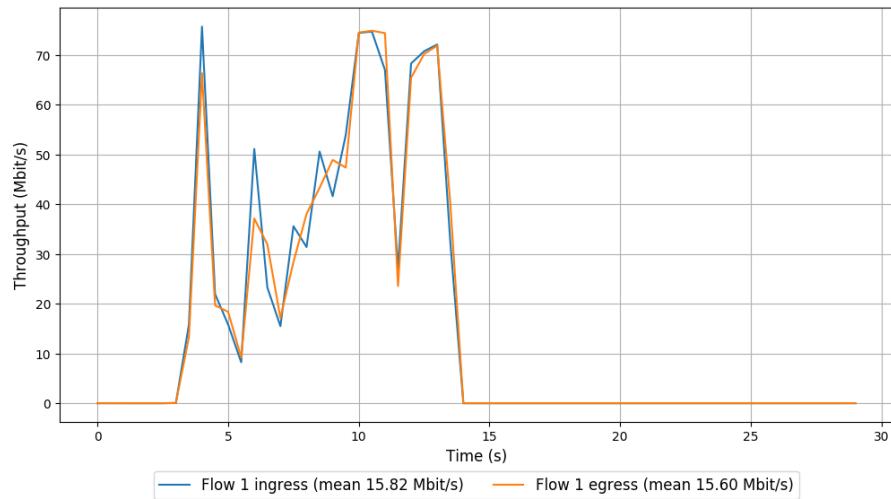


Run 2: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 11:06:55 +0000
End at: Tue, 13 Jun 2017 11:07:25 +0000
Local clock offset: 3.848 ms
Remote clock offset: -2.239 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 57.422 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 15.60 Mbit/s
95th percentile per-packet one-way delay: 57.422 ms
Loss rate: 1.41%
```

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

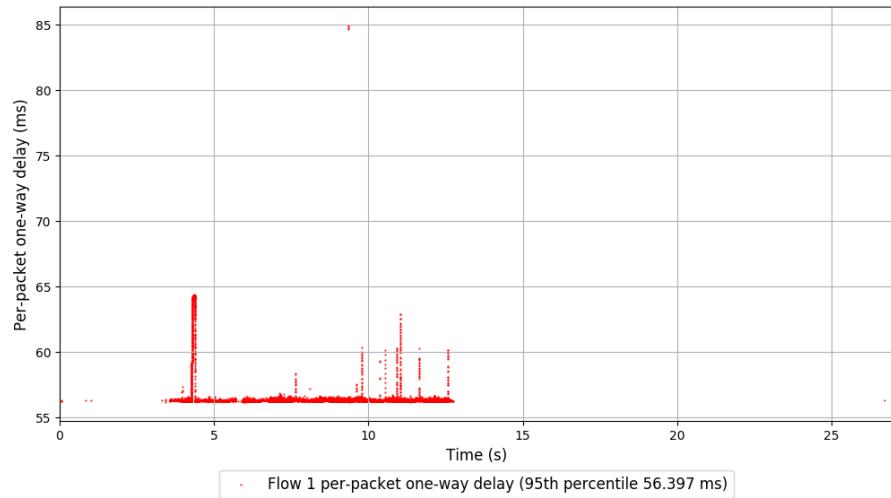
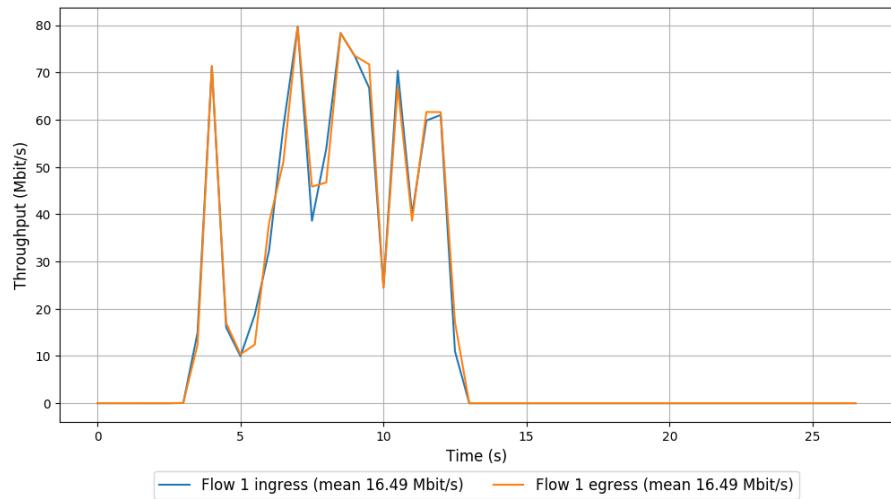


Run 3: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 11:26:35 +0000
End at: Tue, 13 Jun 2017 11:27:05 +0000
Local clock offset: -0.393 ms
Remote clock offset: -1.994 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:50:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 56.397 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 56.397 ms
Loss rate: 0.01%
```

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

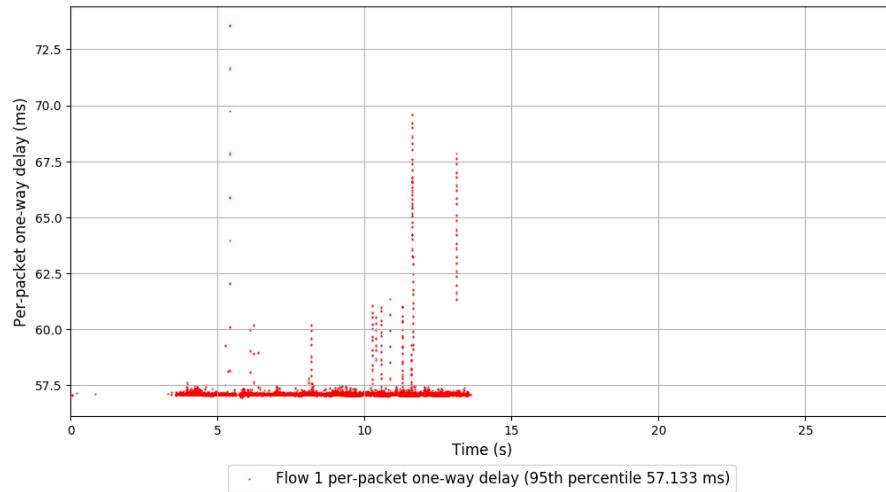
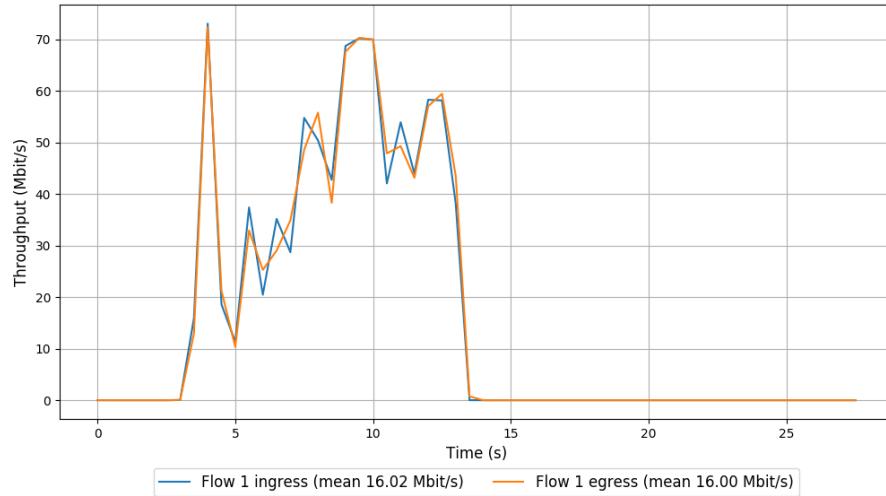


Run 4: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 11:46:15 +0000
End at: Tue, 13 Jun 2017 11:46:45 +0000
Local clock offset: -0.931 ms
Remote clock offset: -2.004 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 57.133 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 57.133 ms
Loss rate: 0.17%
```

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

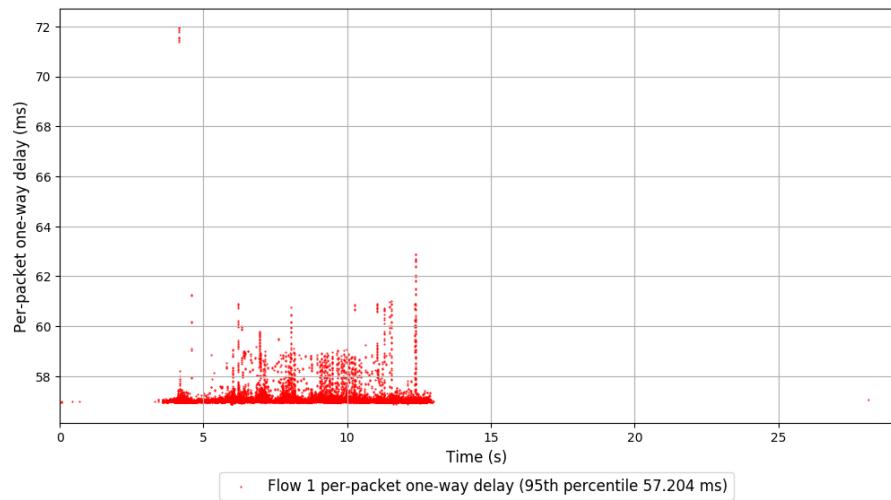
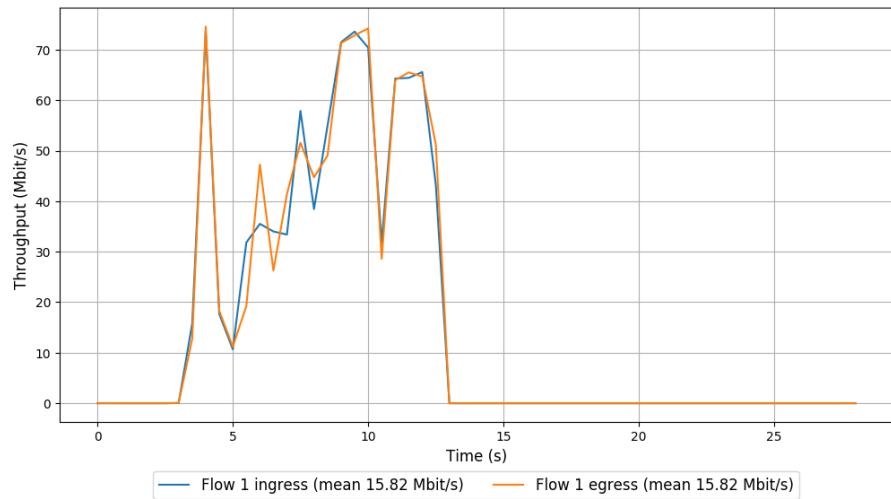


Run 5: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 12:05:58 +0000
End at: Tue, 13 Jun 2017 12:06:28 +0000
Local clock offset: -0.763 ms
Remote clock offset: -1.853 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.82 Mbit/s
95th percentile per-packet one-way delay: 57.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.82 Mbit/s
95th percentile per-packet one-way delay: 57.204 ms
Loss rate: 0.00%
```

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

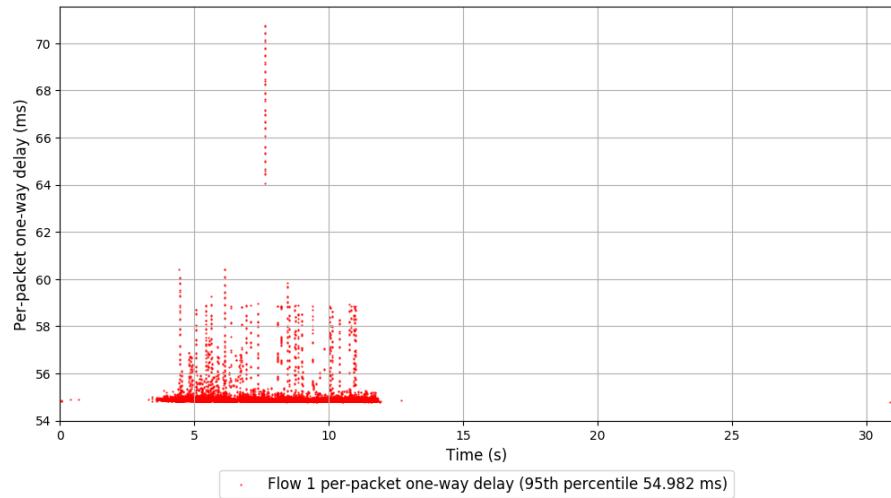
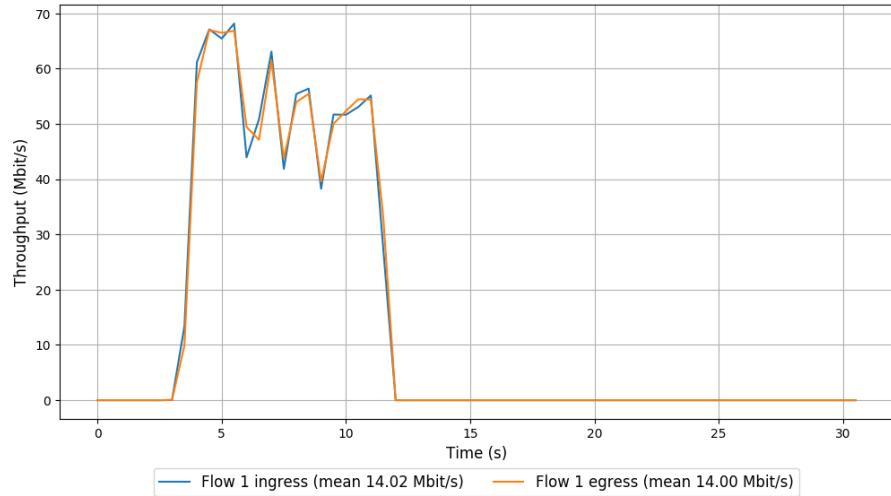


Run 6: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 12:25:30 +0000
End at: Tue, 13 Jun 2017 12:26:00 +0000
Local clock offset: 0.944 ms
Remote clock offset: -1.736 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.00 Mbit/s
95th percentile per-packet one-way delay: 54.982 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 14.00 Mbit/s
95th percentile per-packet one-way delay: 54.982 ms
Loss rate: 0.14%
```

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

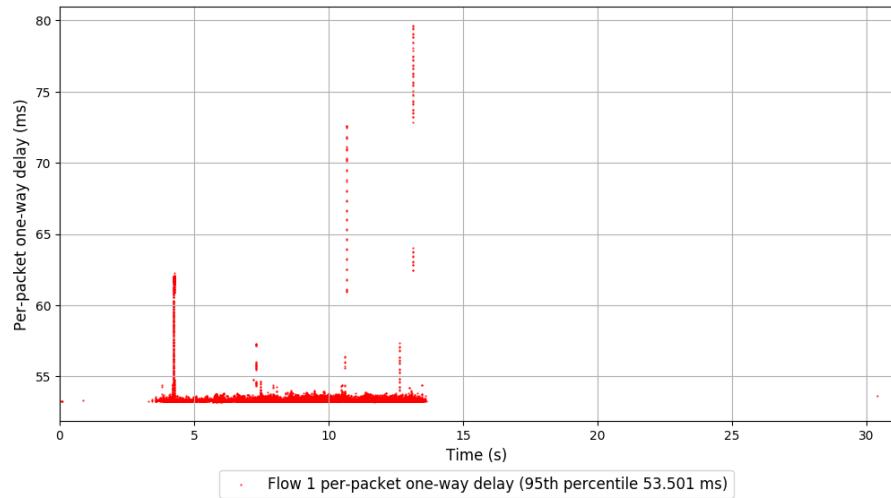
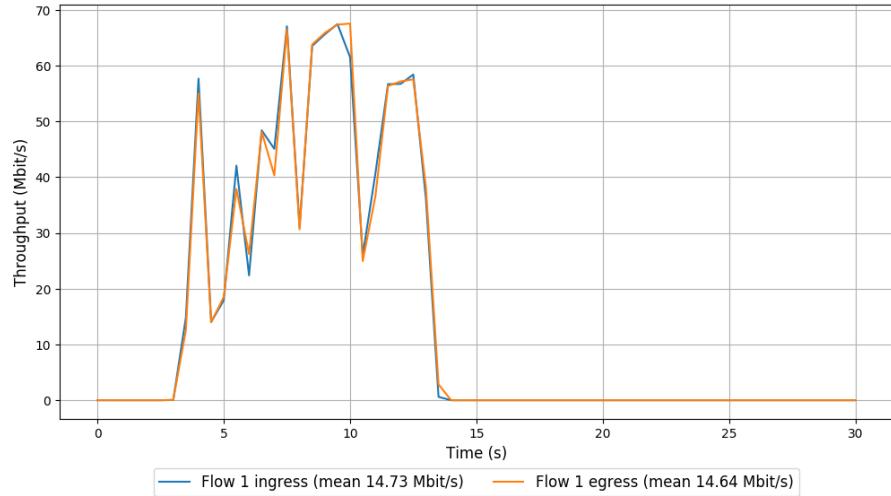


Run 7: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 12:45:20 +0000
End at: Tue, 13 Jun 2017 12:45:50 +0000
Local clock offset: 2.269 ms
Remote clock offset: -1.802 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.64 Mbit/s
95th percentile per-packet one-way delay: 53.501 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 14.64 Mbit/s
95th percentile per-packet one-way delay: 53.501 ms
Loss rate: 0.65%
```

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

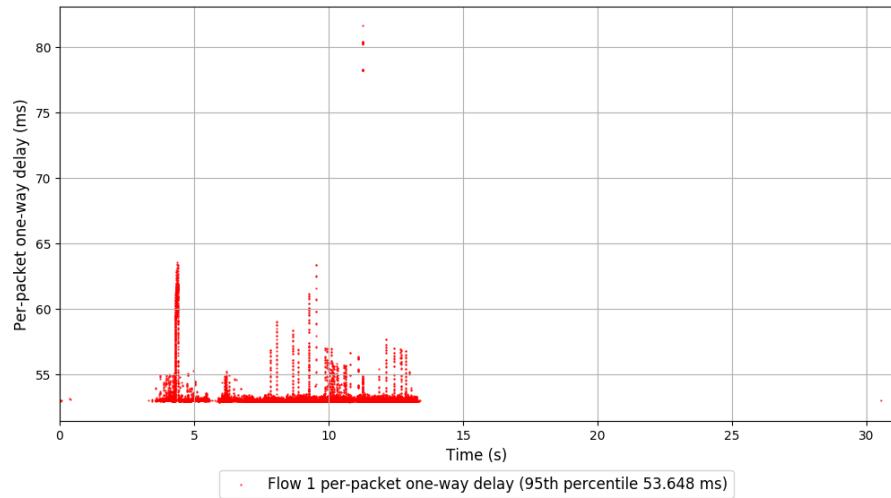
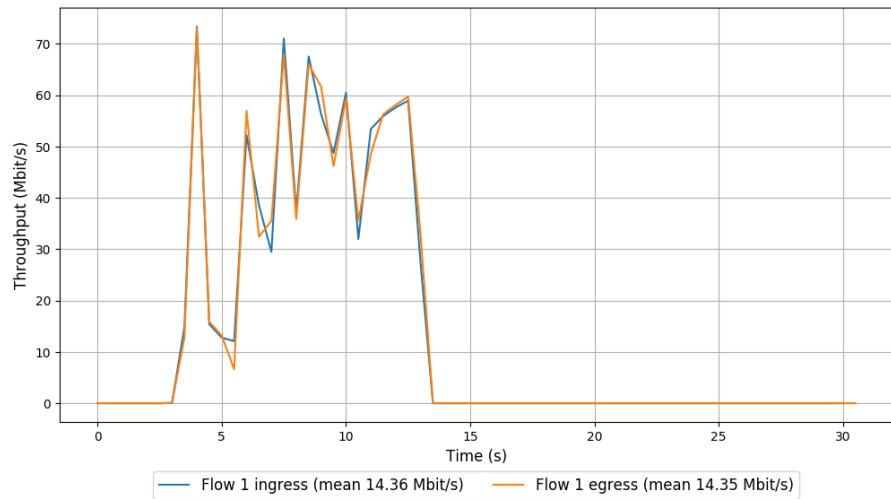


Run 8: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 13:05:04 +0000
End at: Tue, 13 Jun 2017 13:05:34 +0000
Local clock offset: 2.542 ms
Remote clock offset: -1.773 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.35 Mbit/s
95th percentile per-packet one-way delay: 53.648 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 14.35 Mbit/s
95th percentile per-packet one-way delay: 53.648 ms
Loss rate: 0.07%
```

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

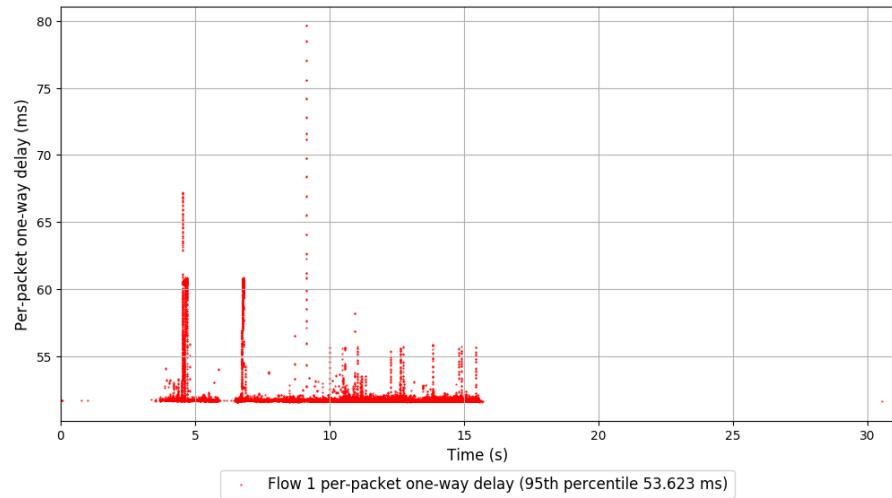
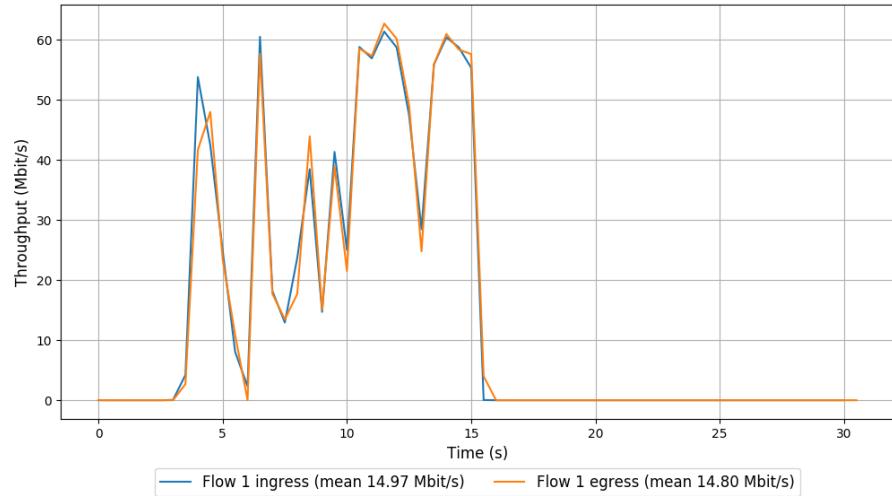


Run 9: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 13:25:06 +0000
End at: Tue, 13 Jun 2017 13:25:36 +0000
Local clock offset: 2.776 ms
Remote clock offset: -3.156 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 53.623 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 14.80 Mbit/s
95th percentile per-packet one-way delay: 53.623 ms
Loss rate: 1.15%
```

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

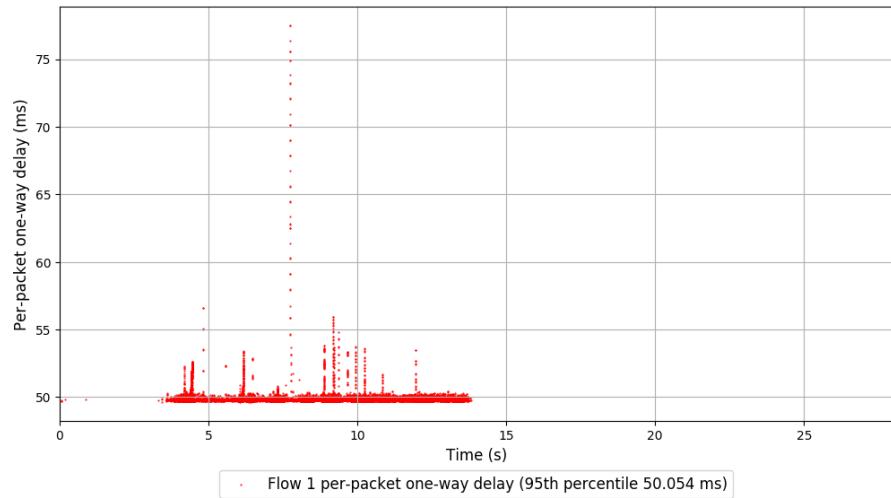
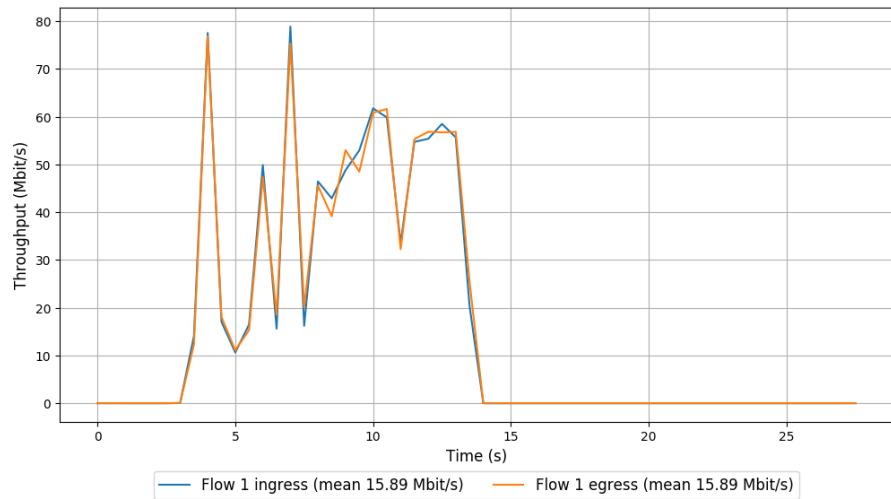


Run 10: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 13:45:07 +0000
End at: Tue, 13 Jun 2017 13:45:37 +0000
Local clock offset: 1.244 ms
Remote clock offset: -6.514 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 50.054 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.89 Mbit/s
95th percentile per-packet one-way delay: 50.054 ms
Loss rate: 0.01%
```

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

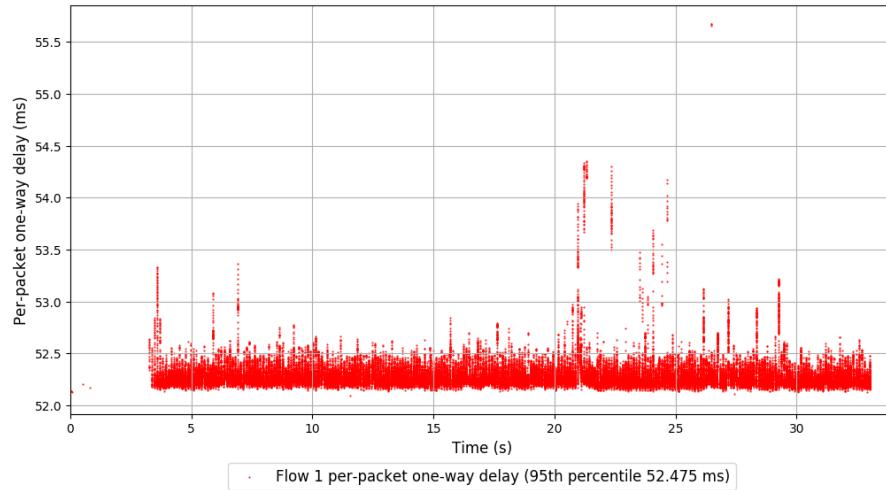
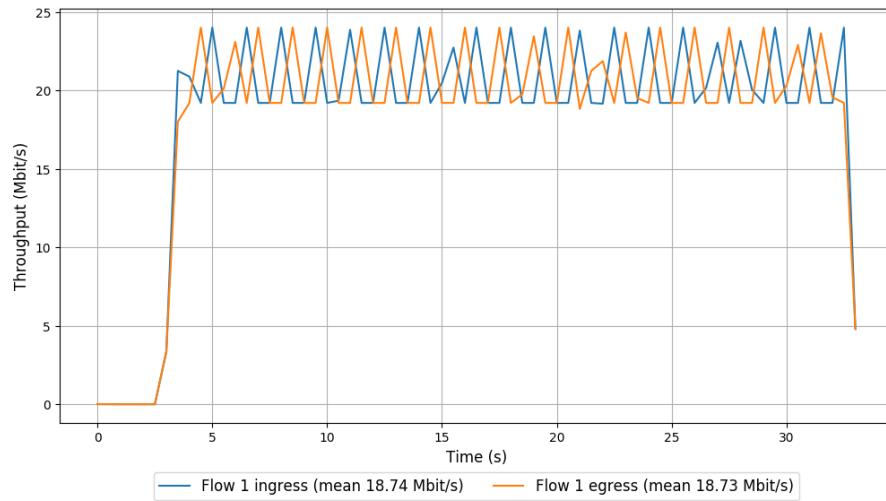


Run 1: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 10:40:44 +0000
End at: Tue, 13 Jun 2017 10:41:14 +0000
Local clock offset: 4.012 ms
Remote clock offset: -1.559 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.73 Mbit/s
95th percentile per-packet one-way delay: 52.475 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 18.73 Mbit/s
95th percentile per-packet one-way delay: 52.475 ms
Loss rate: 0.42%
```

Run 1: Report of Saturator — Data Link

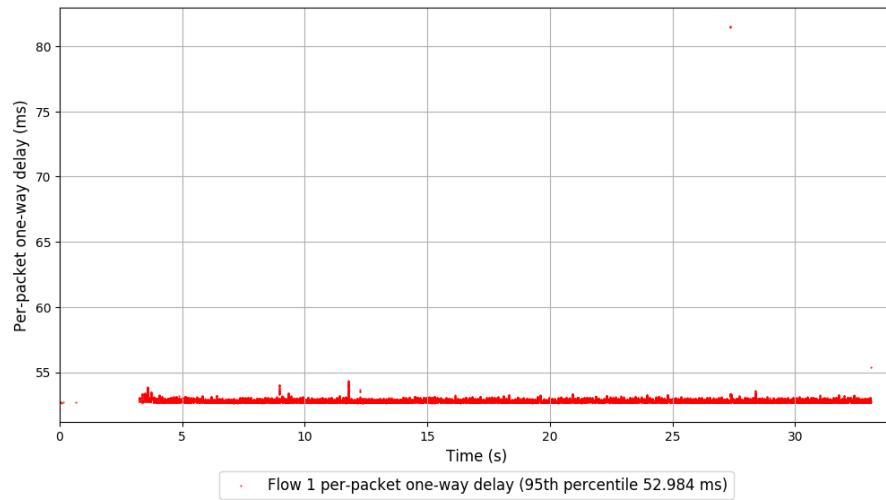
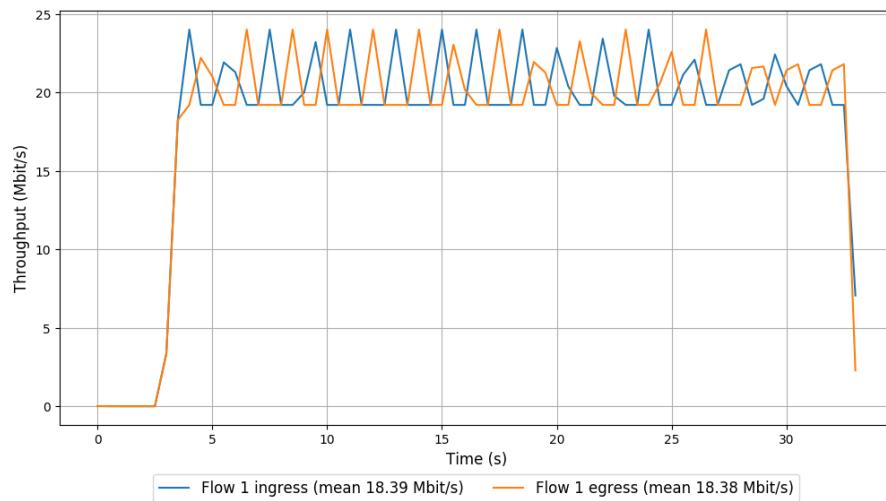


Run 2: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 11:00:17 +0000
End at: Tue, 13 Jun 2017 11:00:47 +0000
Local clock offset: 4.005 ms
Remote clock offset: -1.864 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.38 Mbit/s
95th percentile per-packet one-way delay: 52.984 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 18.38 Mbit/s
95th percentile per-packet one-way delay: 52.984 ms
Loss rate: 0.39%
```

Run 2: Report of Saturator — Data Link

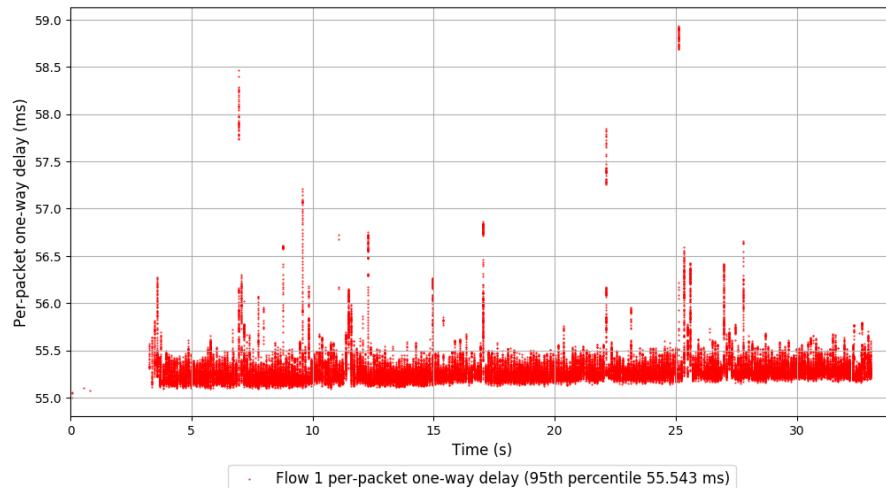
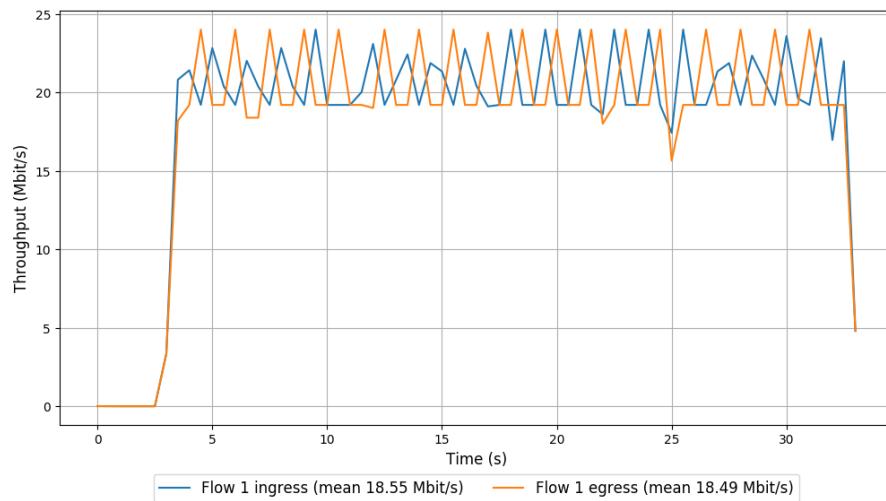


Run 3: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 11:19:58 +0000
End at: Tue, 13 Jun 2017 11:20:28 +0000
Local clock offset: 0.614 ms
Remote clock offset: -1.665 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.49 Mbit/s
95th percentile per-packet one-way delay: 55.543 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 18.49 Mbit/s
95th percentile per-packet one-way delay: 55.543 ms
Loss rate: 0.67%
```

Run 3: Report of Saturator — Data Link

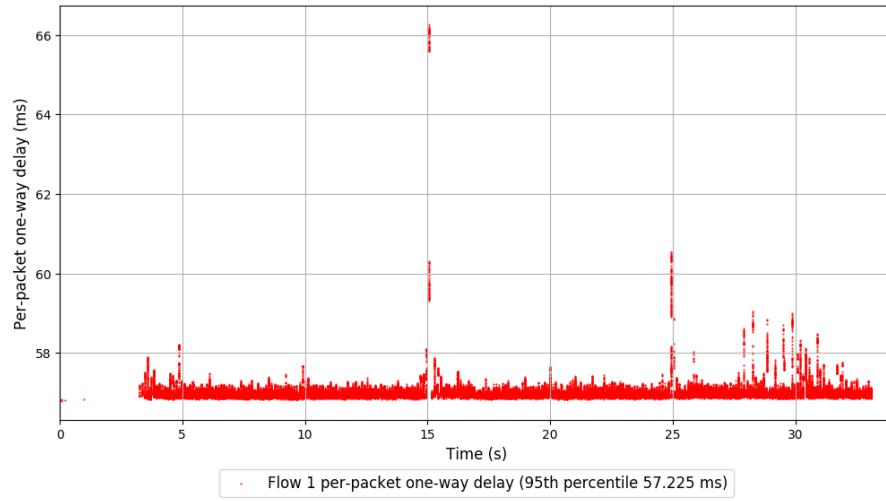
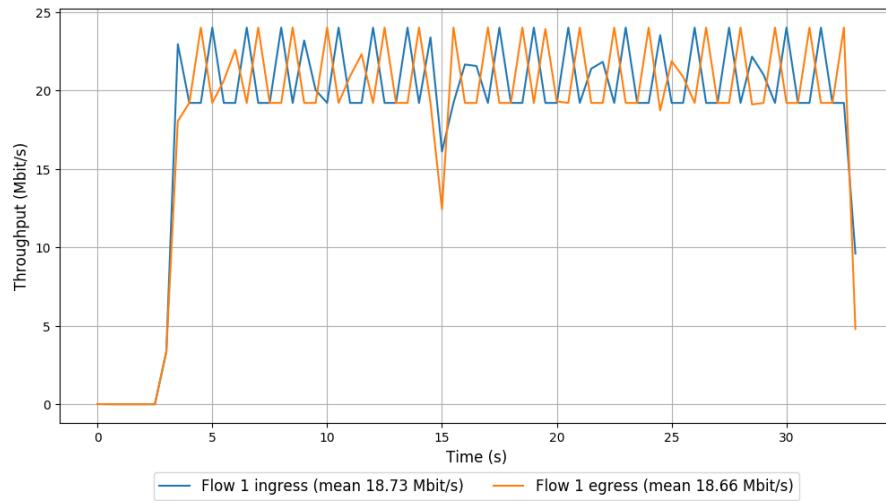


Run 4: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 11:39:38 +0000
End at: Tue, 13 Jun 2017 11:40:08 +0000
Local clock offset: -0.87 ms
Remote clock offset: -1.869 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 57.225 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 57.225 ms
Loss rate: 0.68%
```

Run 4: Report of Saturator — Data Link

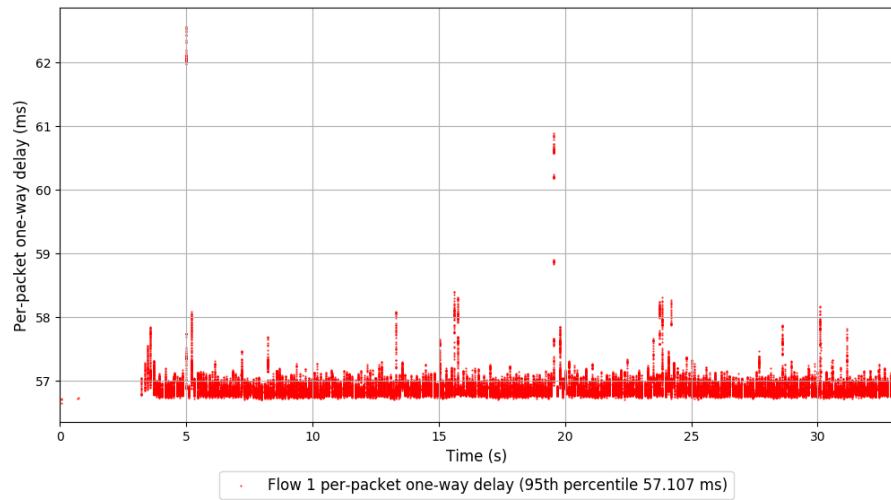
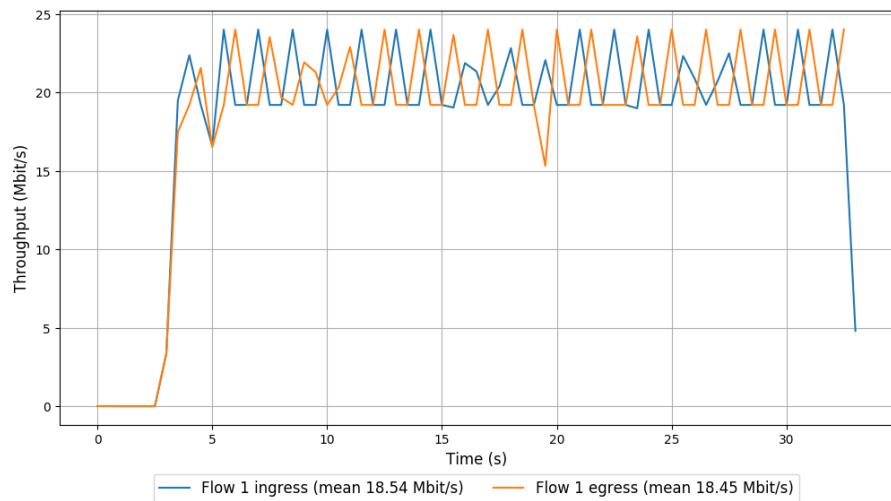


Run 5: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 11:59:22 +0000
End at: Tue, 13 Jun 2017 11:59:52 +0000
Local clock offset: -0.68 ms
Remote clock offset: -2.174 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.45 Mbit/s
95th percentile per-packet one-way delay: 57.107 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 18.45 Mbit/s
95th percentile per-packet one-way delay: 57.107 ms
Loss rate: 0.82%
```

Run 5: Report of Saturator — Data Link

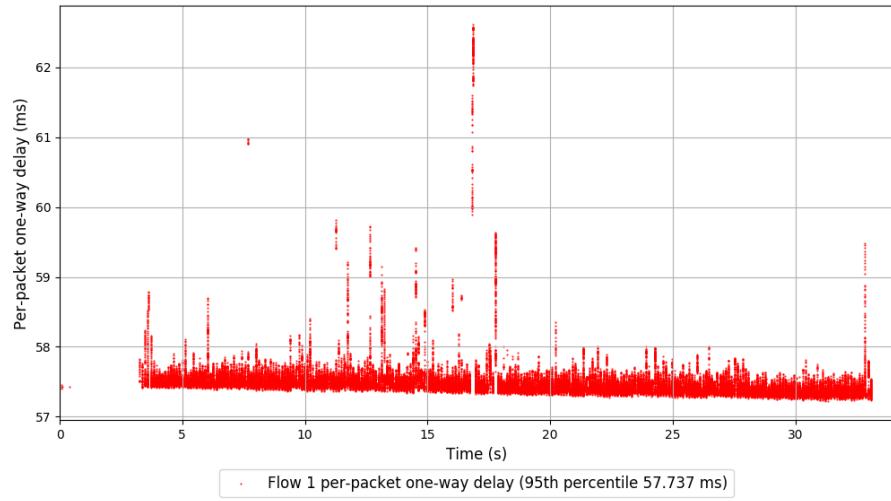
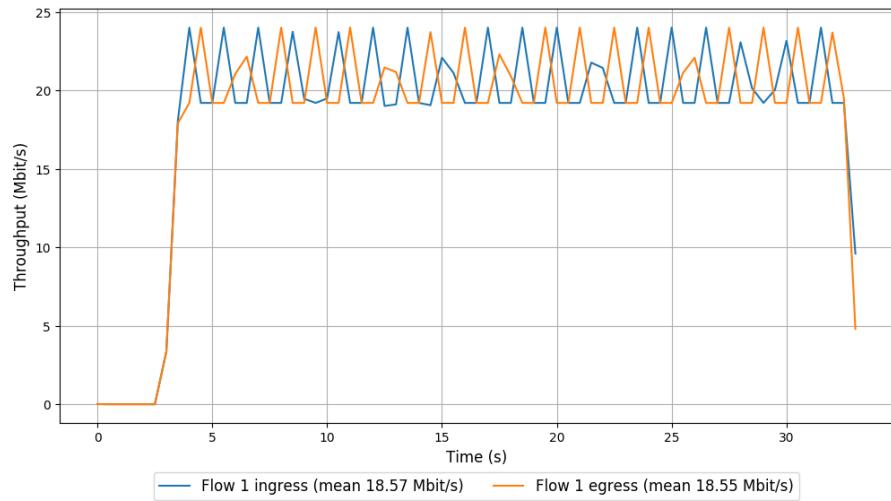


Run 6: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 12:18:53 +0000
End at: Tue, 13 Jun 2017 12:19:23 +0000
Local clock offset: -0.868 ms
Remote clock offset: -1.855 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.55 Mbit/s
95th percentile per-packet one-way delay: 57.737 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 18.55 Mbit/s
95th percentile per-packet one-way delay: 57.737 ms
Loss rate: 0.44%
```

Run 6: Report of Saturator — Data Link

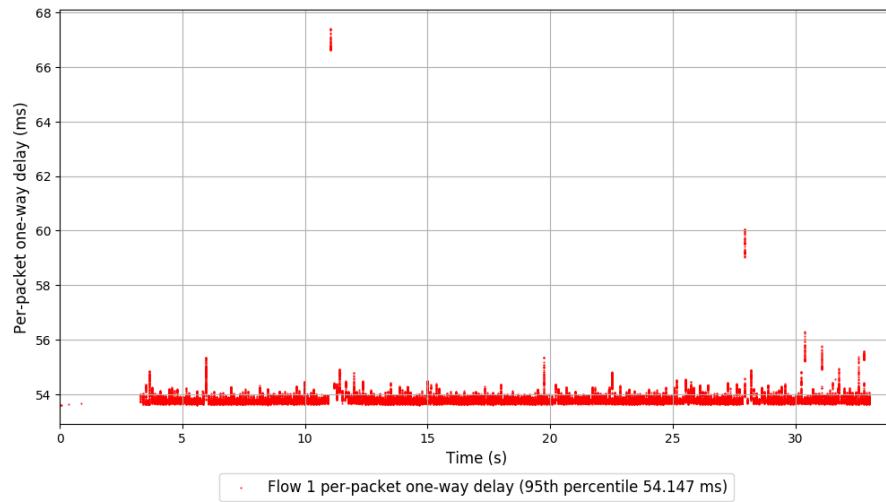
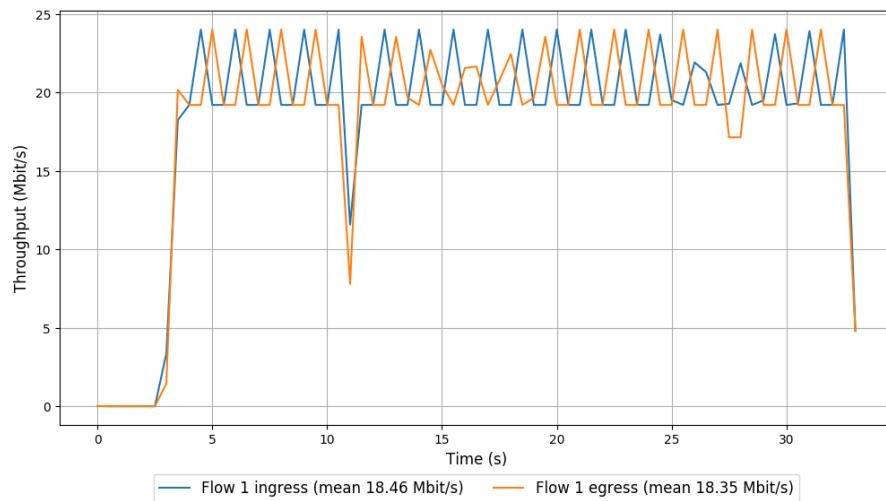


Run 7: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 12:38:34 +0000
End at: Tue, 13 Jun 2017 12:39:04 +0000
Local clock offset: 2.318 ms
Remote clock offset: -2.091 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 54.147 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 54.147 ms
Loss rate: 0.91%
```

Run 7: Report of Saturator — Data Link

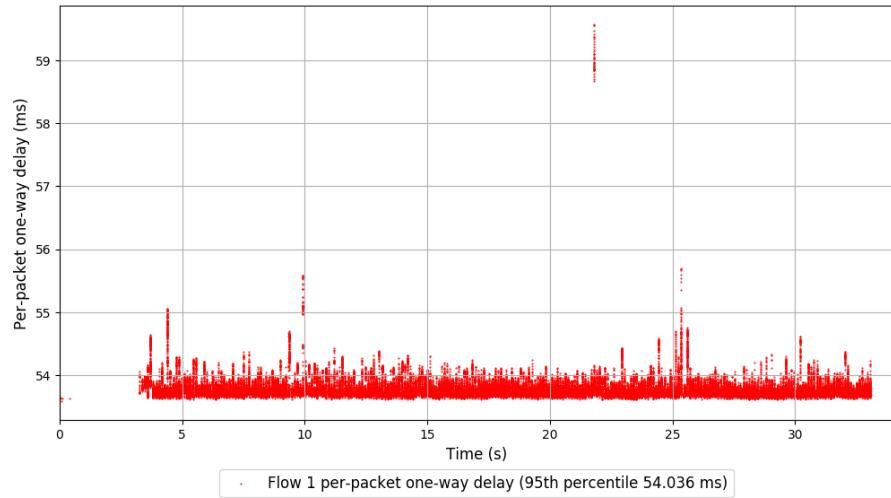
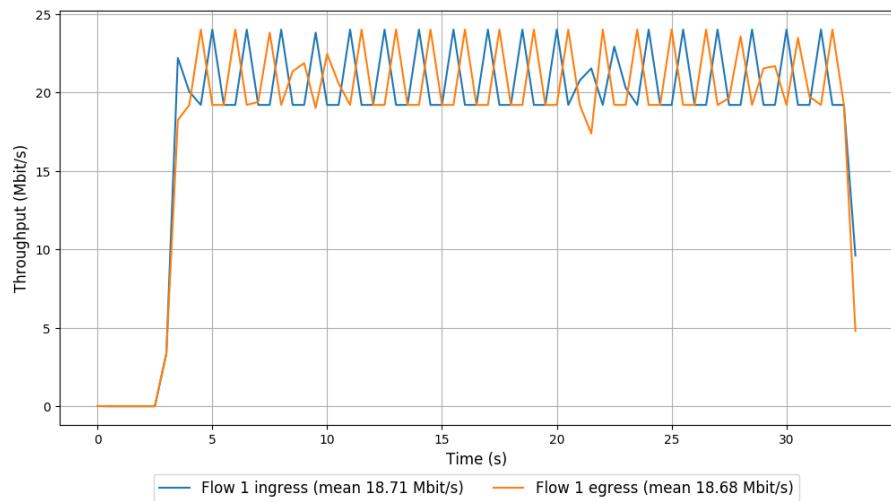


Run 8: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 12:58:21 +0000
End at: Tue, 13 Jun 2017 12:58:51 +0000
Local clock offset: 2.564 ms
Remote clock offset: -1.792 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.68 Mbit/s
95th percentile per-packet one-way delay: 54.036 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 18.68 Mbit/s
95th percentile per-packet one-way delay: 54.036 ms
Loss rate: 0.48%
```

Run 8: Report of Saturator — Data Link

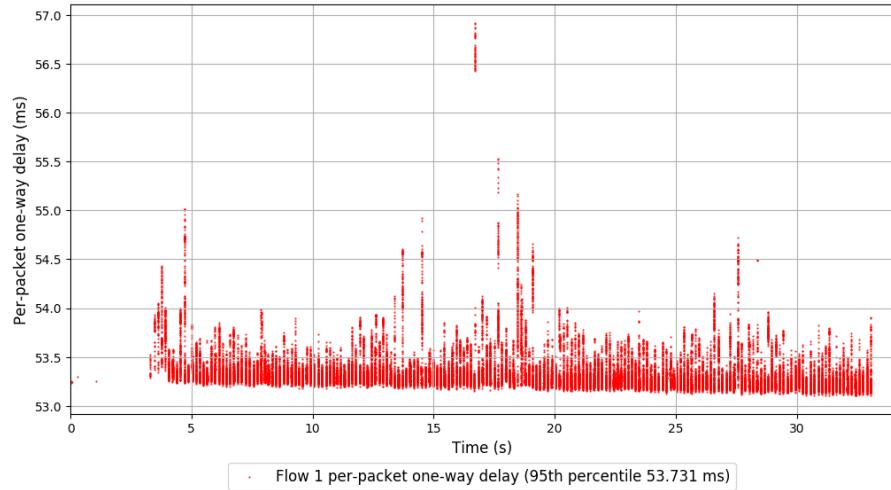
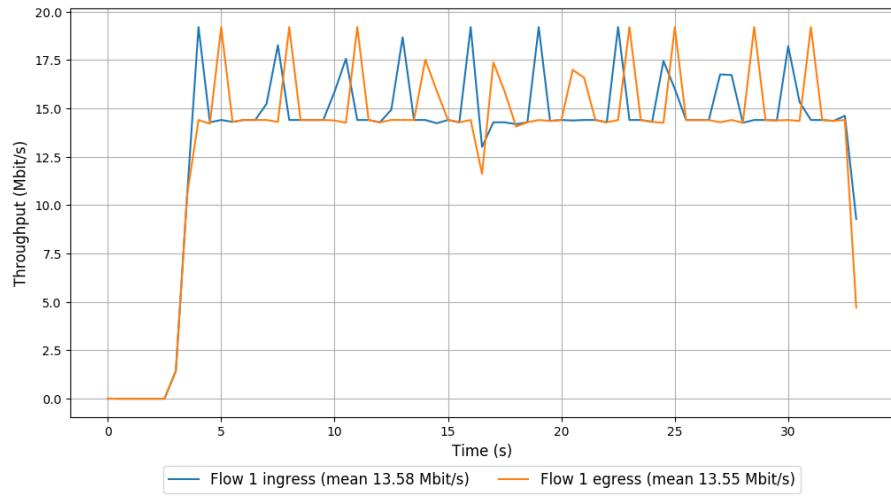


Run 9: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 13:18:23 +0000
End at: Tue, 13 Jun 2017 13:18:53 +0000
Local clock offset: 2.662 ms
Remote clock offset: -1.631 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 53.731 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 13.55 Mbit/s
95th percentile per-packet one-way delay: 53.731 ms
Loss rate: 0.72%
```

Run 9: Report of Saturator — Data Link

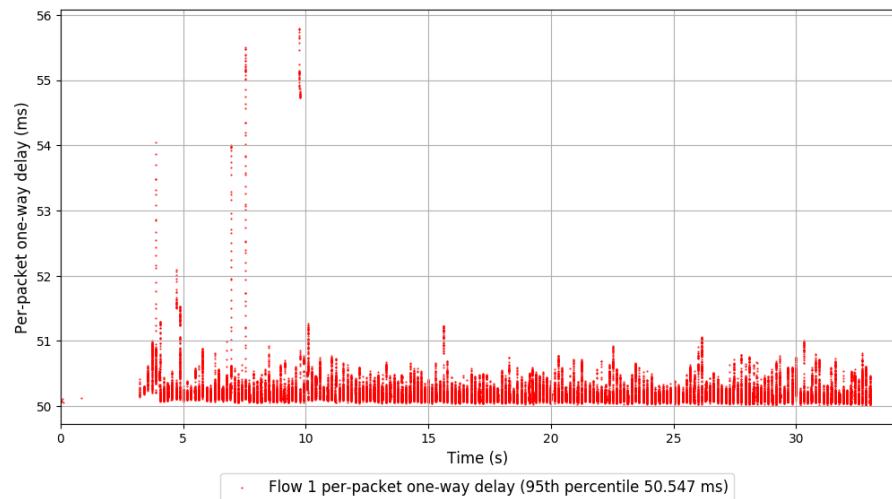
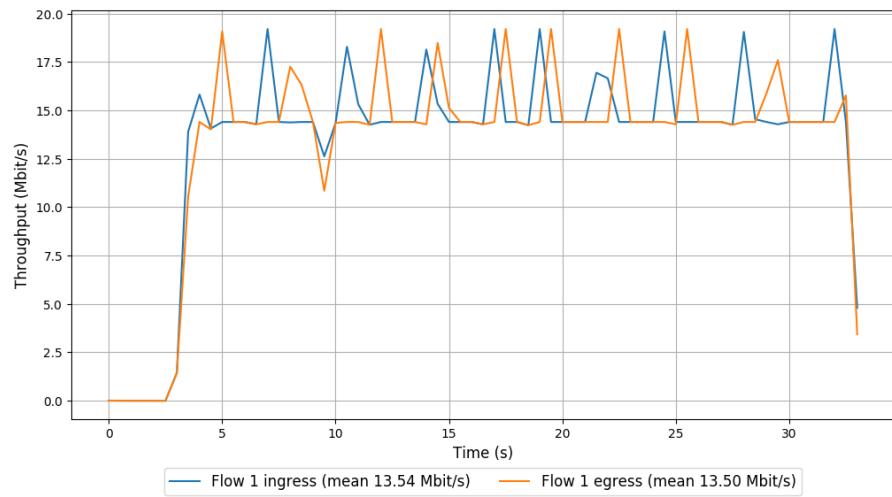


Run 10: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 13:38:24 +0000
End at: Tue, 13 Jun 2017 13:38:55 +0000
Local clock offset: 1.48 ms
Remote clock offset: -5.817 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 50.547 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 50.547 ms
Loss rate: 0.75%
```

Run 10: Report of Saturator — Data Link

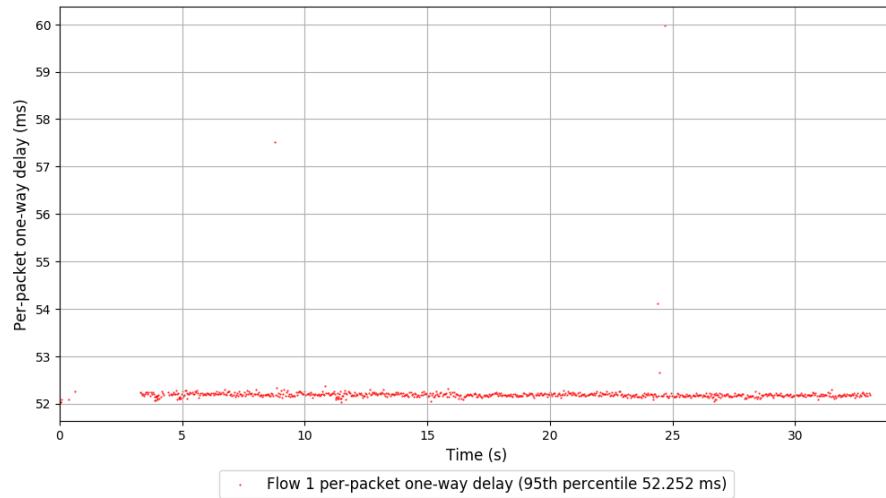
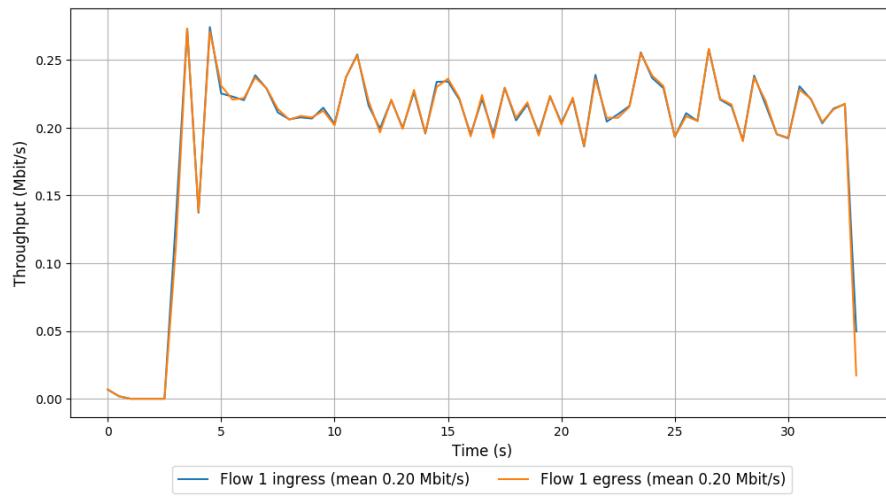


Run 1: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 10:43:20 +0000
End at: Tue, 13 Jun 2017 10:43:50 +0000
Local clock offset: 4.019 ms
Remote clock offset: -1.976 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 52.252 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 52.252 ms
Loss rate: 0.38%
```

Run 1: Report of SCReAM — Data Link

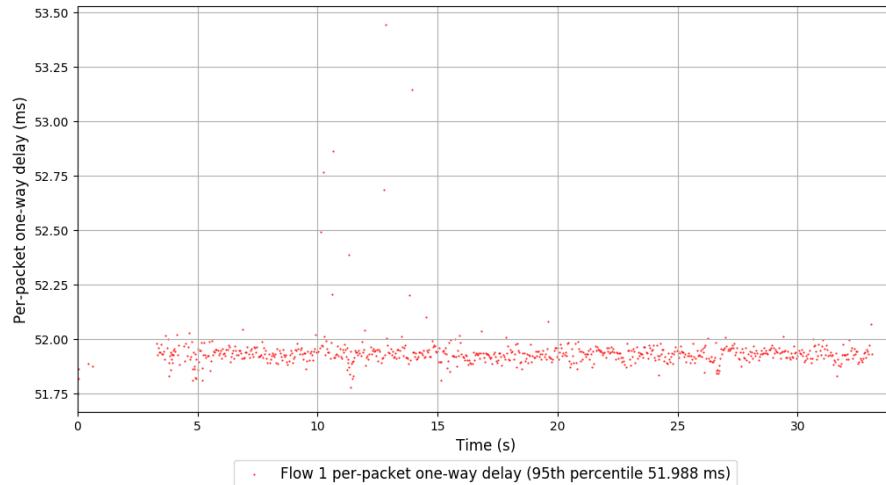
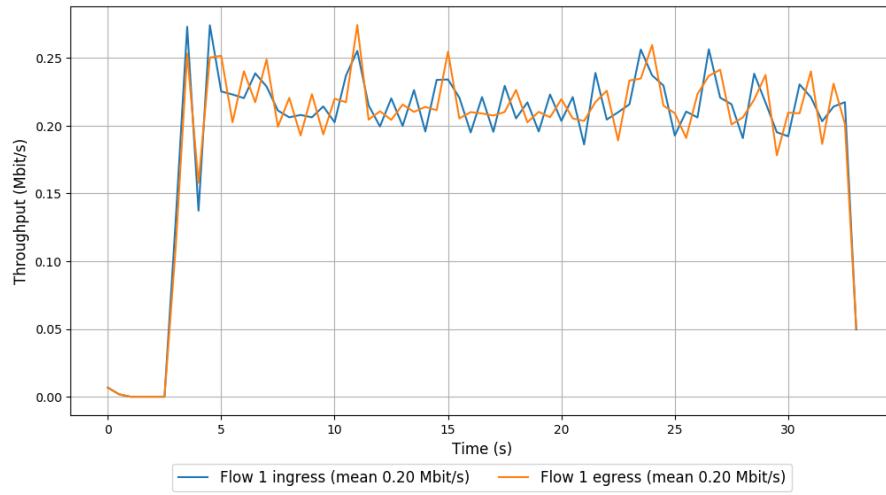


Run 2: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 11:02:54 +0000
End at: Tue, 13 Jun 2017 11:03:24 +0000
Local clock offset: 3.906 ms
Remote clock offset: -1.862 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 51.988 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 51.988 ms
Loss rate: 0.25%
```

Run 2: Report of SCReAM — Data Link

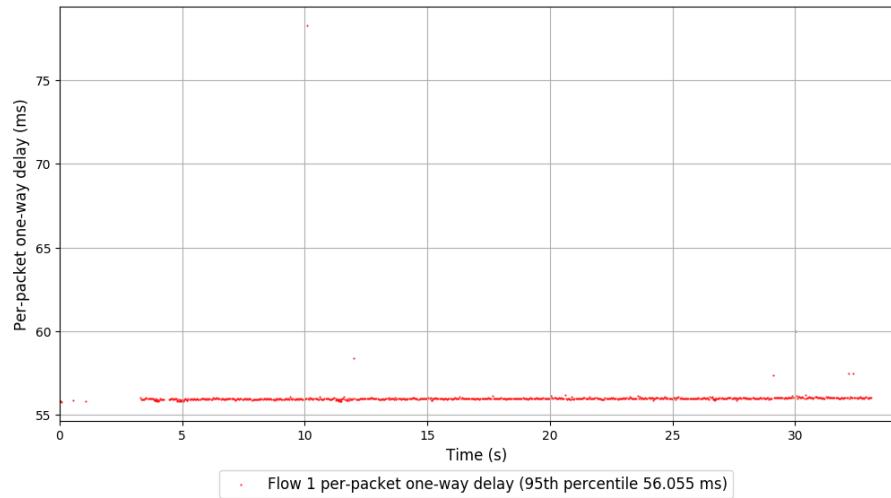
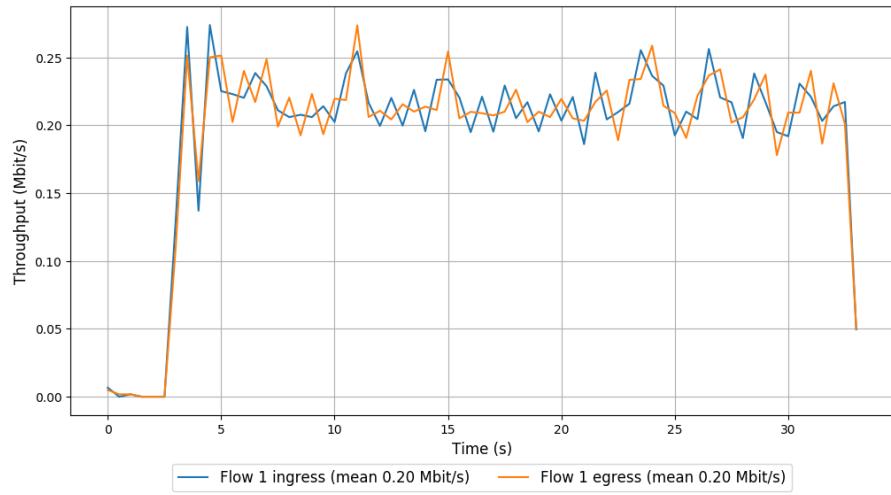


Run 3: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 11:22:35 +0000
End at: Tue, 13 Jun 2017 11:23:05 +0000
Local clock offset: 0.139 ms
Remote clock offset: -1.966 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 56.055 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 56.055 ms
Loss rate: 0.25%
```

Run 3: Report of SCReAM — Data Link

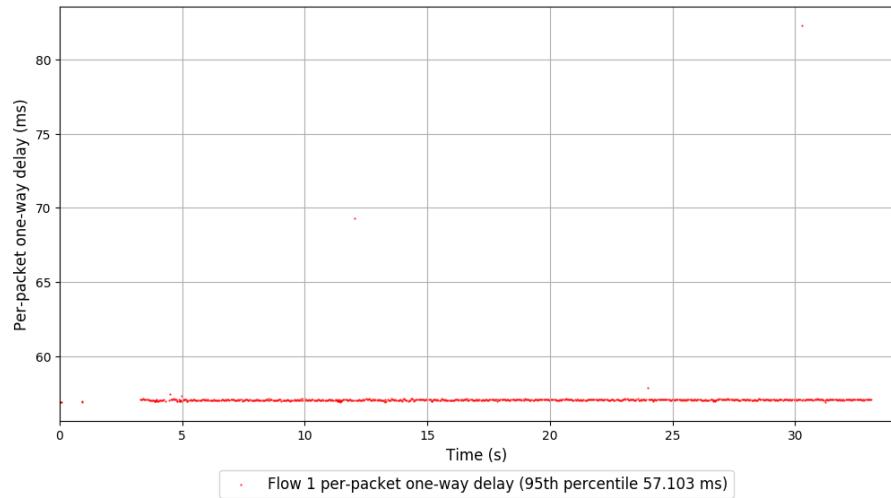
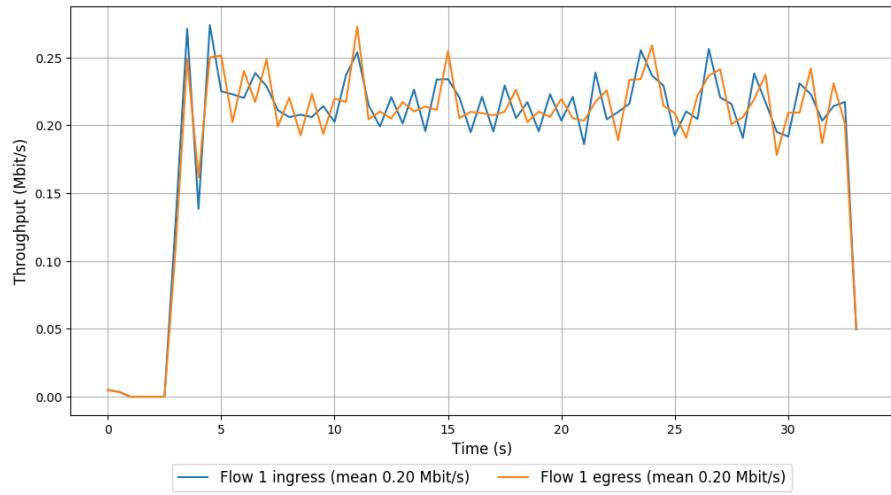


Run 4: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 11:42:15 +0000
End at: Tue, 13 Jun 2017 11:42:45 +0000
Local clock offset: -0.964 ms
Remote clock offset: -1.659 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 57.103 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 57.103 ms
Loss rate: 0.25%
```

Run 4: Report of SCReAM — Data Link

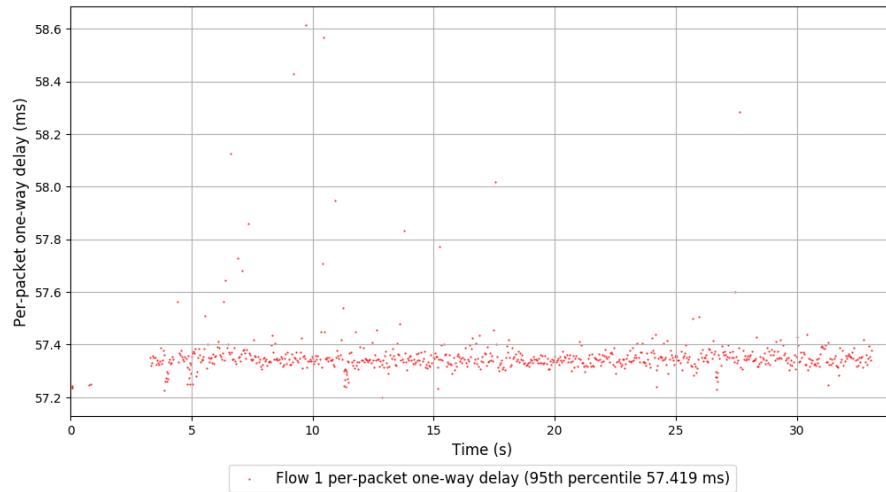
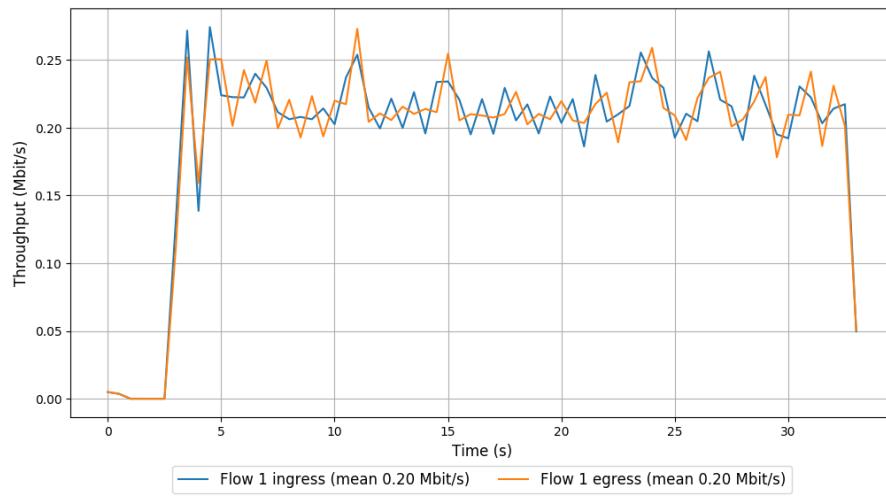


Run 5: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 12:01:58 +0000
End at: Tue, 13 Jun 2017 12:02:28 +0000
Local clock offset: -0.712 ms
Remote clock offset: -1.854 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 57.419 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 57.419 ms
Loss rate: 0.25%
```

Run 5: Report of SCReAM — Data Link

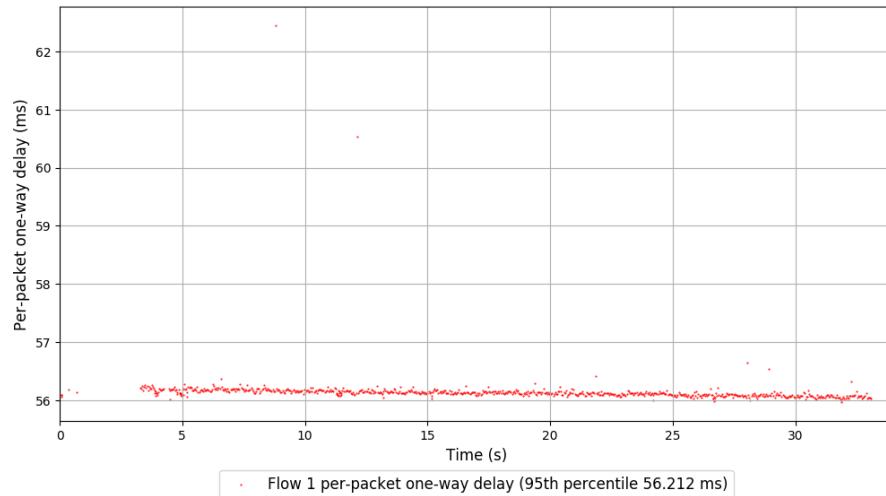
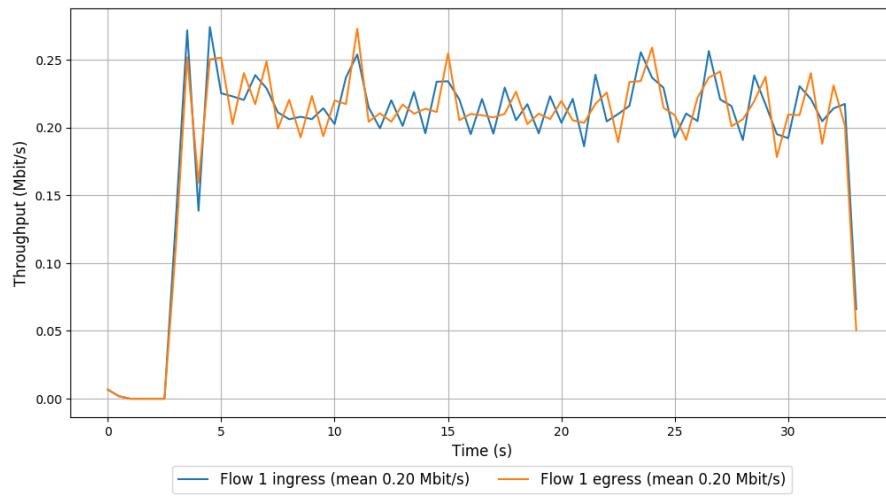


Run 6: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 12:21:29 +0000
End at: Tue, 13 Jun 2017 12:21:59 +0000
Local clock offset: 0.035 ms
Remote clock offset: -1.461 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 56.212 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 56.212 ms
Loss rate: 0.38%
```

Run 6: Report of SCReAM — Data Link

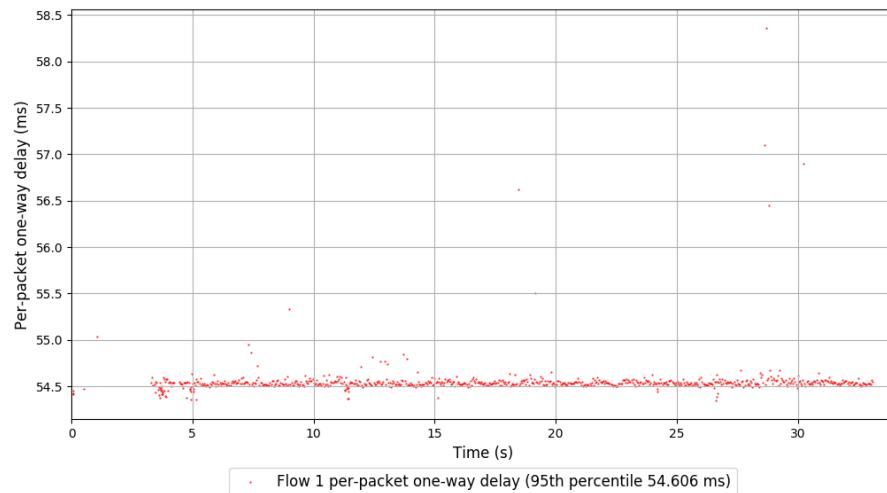
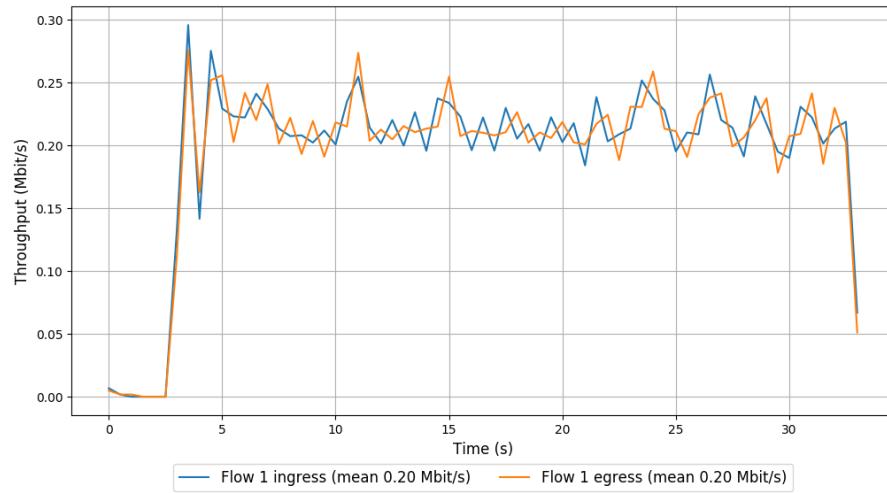


Run 7: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 12:41:12 +0000
End at: Tue, 13 Jun 2017 12:41:42 +0000
Local clock offset: 2.304 ms
Remote clock offset: -2.039 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 54.606 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 54.606 ms
Loss rate: 0.38%
```

Run 7: Report of SCReAM — Data Link

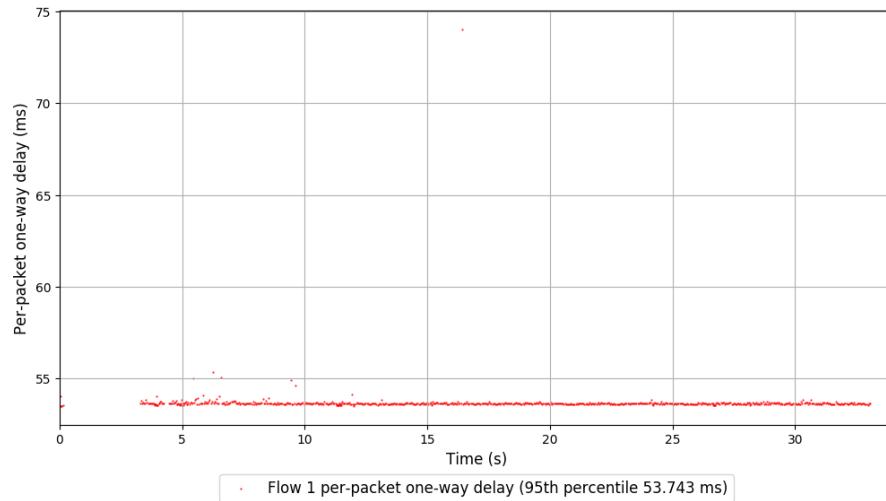
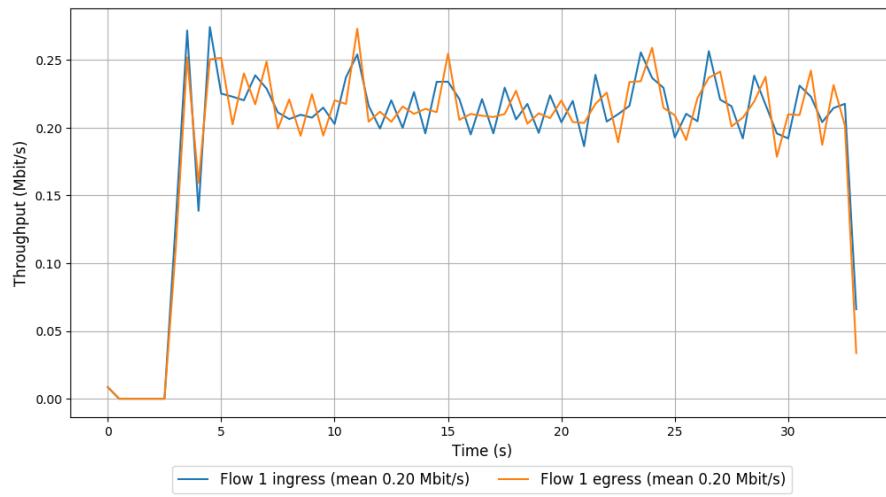


Run 8: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 13:00:59 +0000
End at: Tue, 13 Jun 2017 13:01:29 +0000
Local clock offset: 2.566 ms
Remote clock offset: -1.493 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 53.743 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 53.743 ms
Loss rate: 0.51%
```

Run 8: Report of SCReAM — Data Link

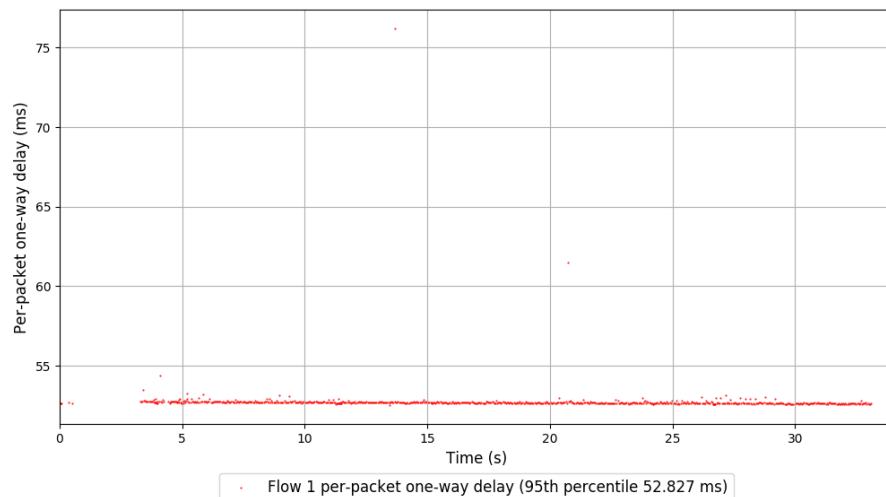
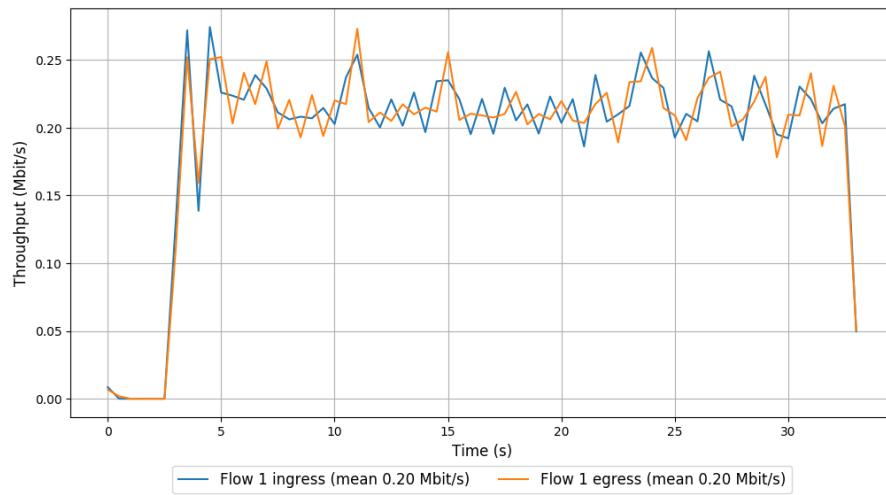


Run 9: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 13:21:01 +0000
End at: Tue, 13 Jun 2017 13:21:31 +0000
Local clock offset: 2.718 ms
Remote clock offset: -2.431 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 52.827 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 52.827 ms
Loss rate: 0.25%
```

Run 9: Report of SCReAM — Data Link

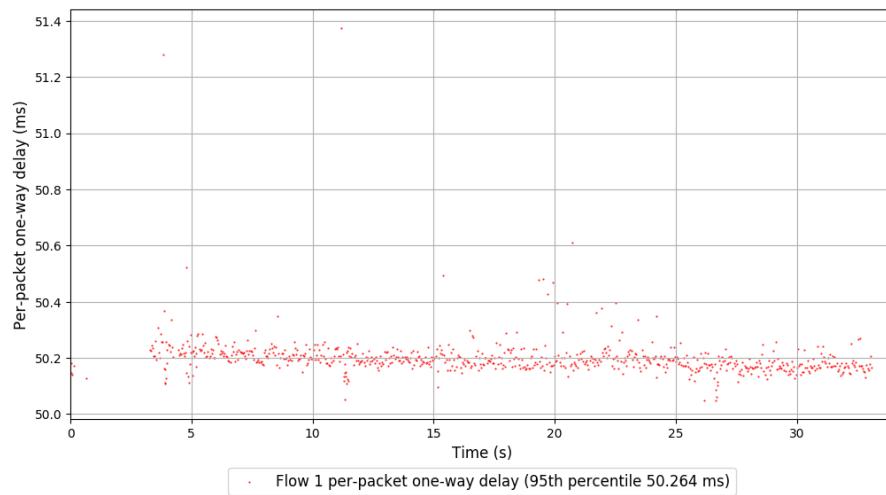
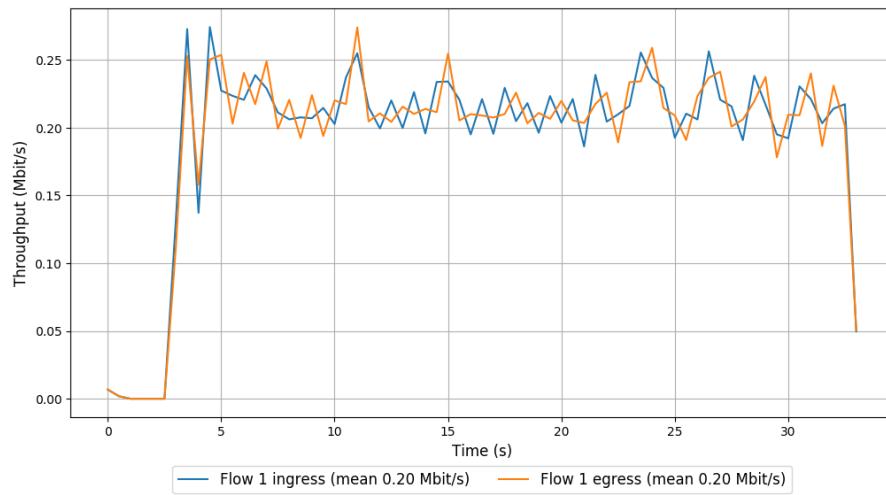


Run 10: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 13:41:04 +0000
End at: Tue, 13 Jun 2017 13:41:34 +0000
Local clock offset: 1.438 ms
Remote clock offset: -6.165 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.264 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.264 ms
Loss rate: 0.25%
```

Run 10: Report of SCReAM — Data Link

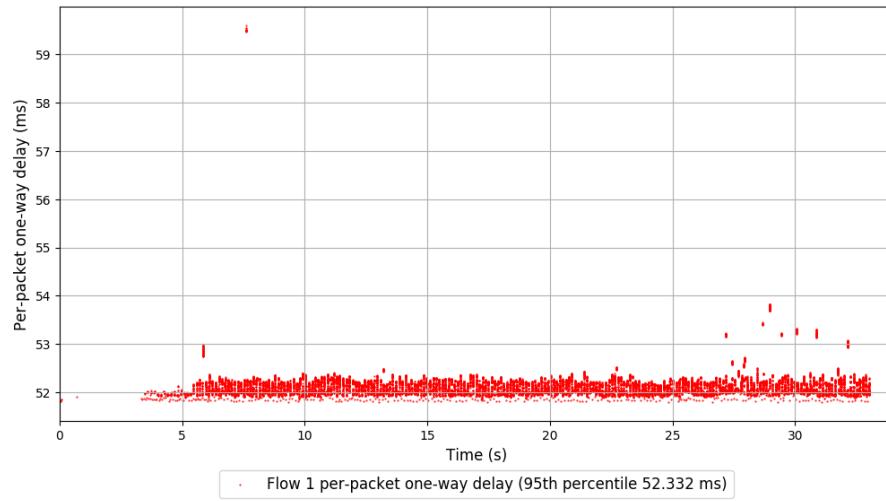
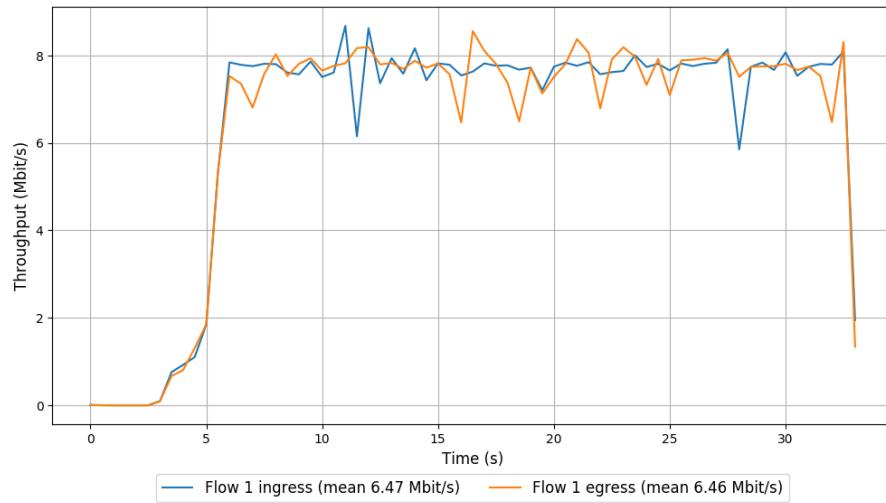


Run 1: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 10:48:37 +0000
End at: Tue, 13 Jun 2017 10:49:07 +0000
Local clock offset: 4.191 ms
Remote clock offset: -1.411 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 52.332 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 52.332 ms
Loss rate: 0.49%
```

Run 1: Report of Sprout — Data Link

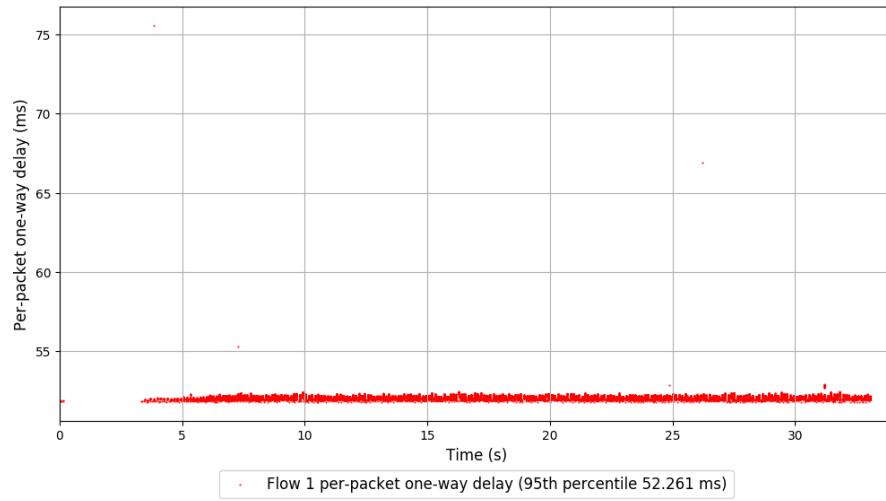
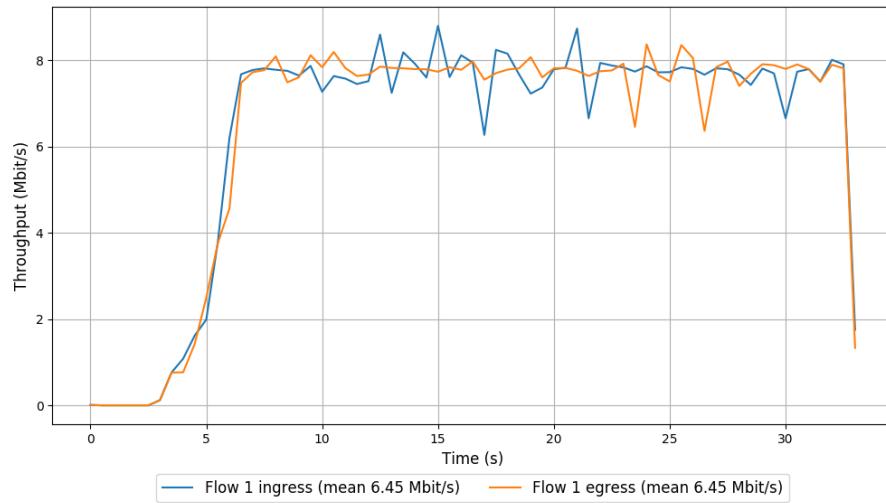


Run 2: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 11:08:11 +0000
End at: Tue, 13 Jun 2017 11:08:41 +0000
Local clock offset: 3.907 ms
Remote clock offset: -1.752 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 52.261 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 6.45 Mbit/s
95th percentile per-packet one-way delay: 52.261 ms
Loss rate: 0.15%
```

Run 2: Report of Sprout — Data Link

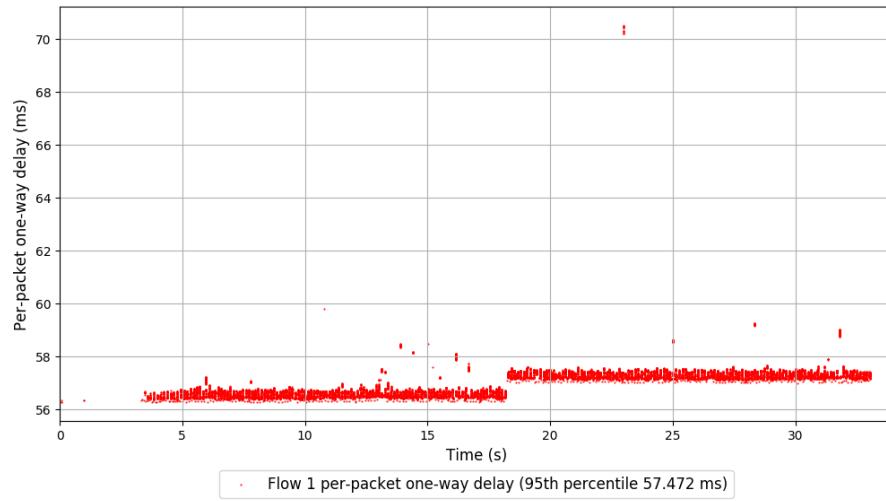
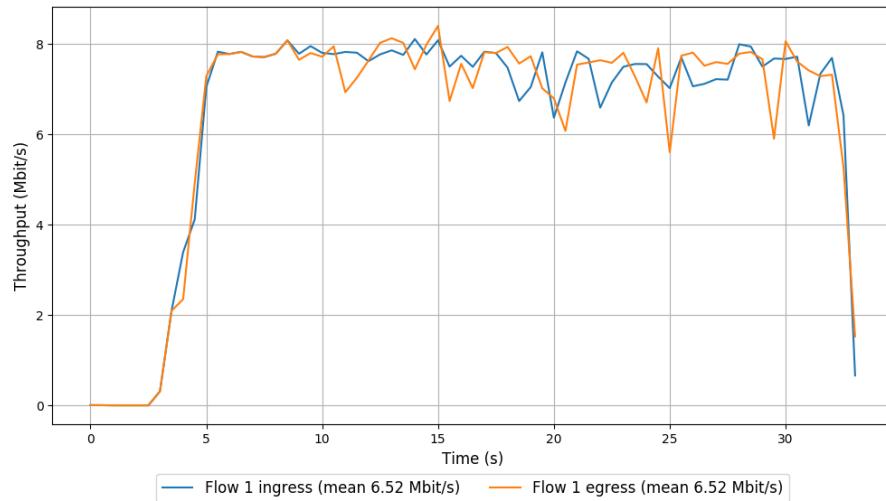


Run 3: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 11:27:52 +0000
End at: Tue, 13 Jun 2017 11:28:22 +0000
Local clock offset: -0.473 ms
Remote clock offset: -1.952 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.52 Mbit/s
95th percentile per-packet one-way delay: 57.472 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 6.52 Mbit/s
95th percentile per-packet one-way delay: 57.472 ms
Loss rate: 0.38%
```

Run 3: Report of Sprout — Data Link

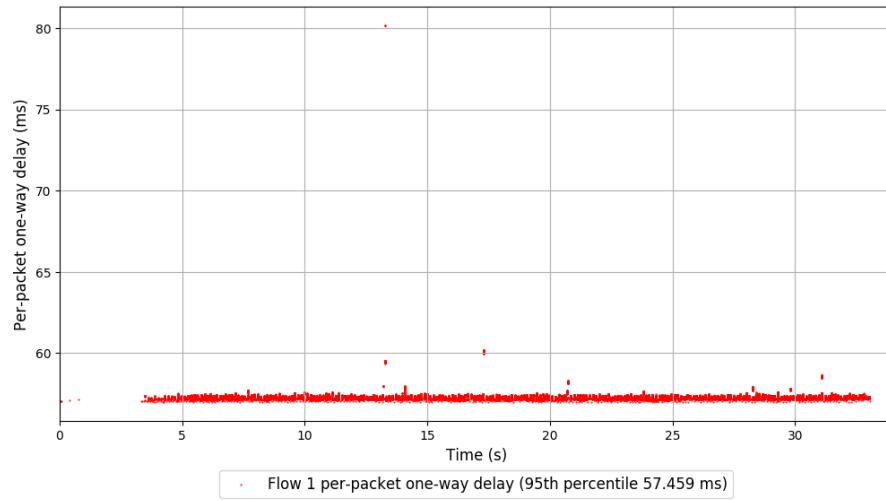
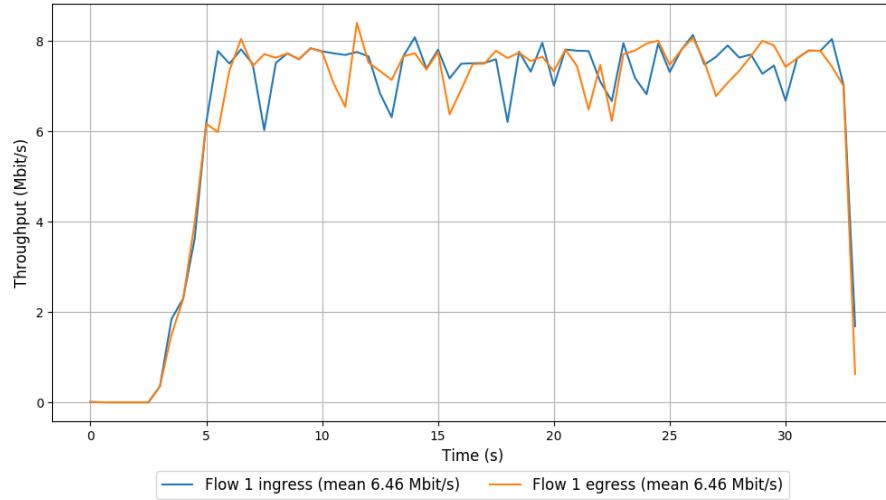


Run 4: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 11:47:32 +0000
End at: Tue, 13 Jun 2017 11:48:02 +0000
Local clock offset: -0.894 ms
Remote clock offset: -1.91 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 57.459 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 57.459 ms
Loss rate: 0.42%
```

Run 4: Report of Sprout — Data Link

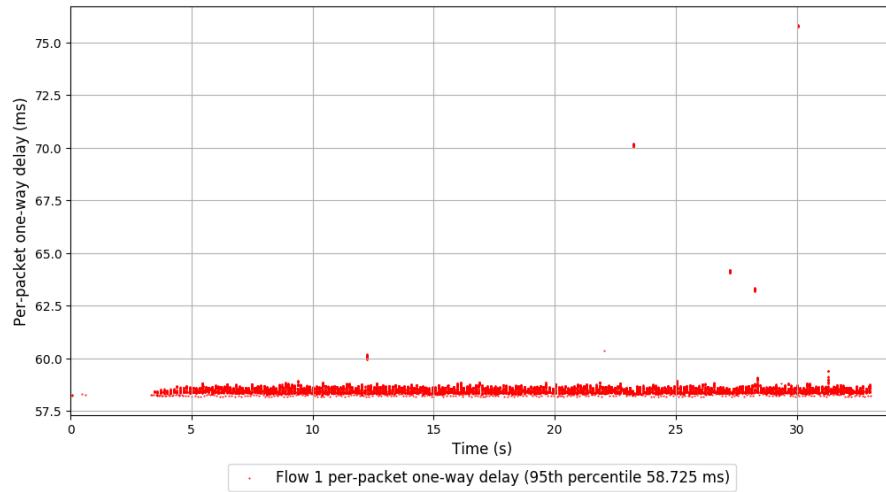
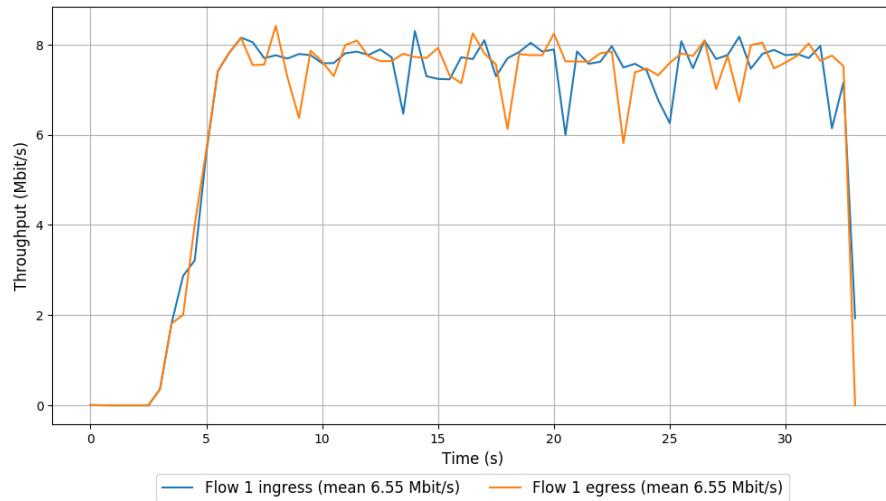


Run 5: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 12:07:15 +0000
End at: Tue, 13 Jun 2017 12:07:45 +0000
Local clock offset: -0.754 ms
Remote clock offset: -1.778 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 58.725 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 6.55 Mbit/s
95th percentile per-packet one-way delay: 58.725 ms
Loss rate: 0.46%
```

Run 5: Report of Sprout — Data Link

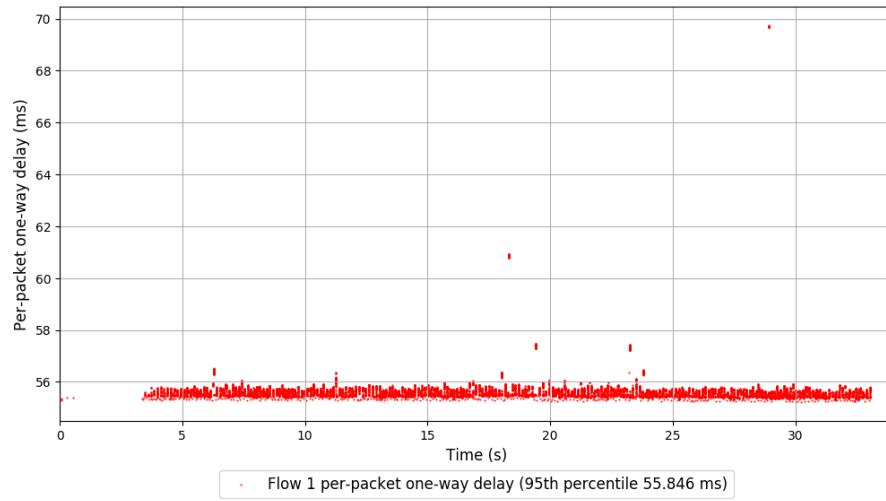
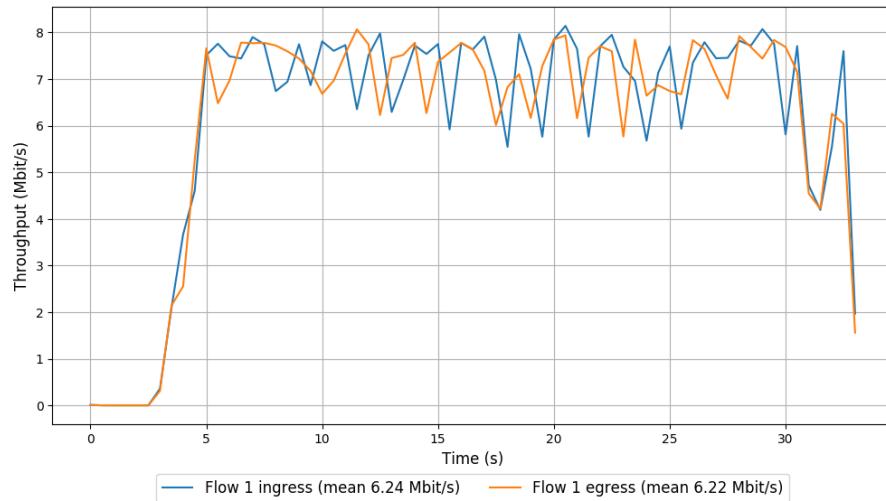


Run 6: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 12:26:46 +0000
End at: Tue, 13 Jun 2017 12:27:16 +0000
Local clock offset: 1.253 ms
Remote clock offset: -1.502 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 55.846 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 6.22 Mbit/s
95th percentile per-packet one-way delay: 55.846 ms
Loss rate: 0.73%
```

Run 6: Report of Sprout — Data Link

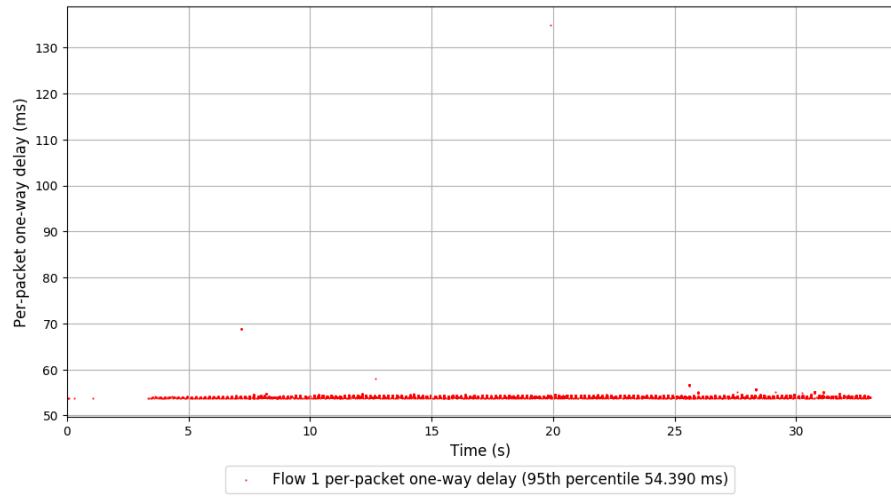
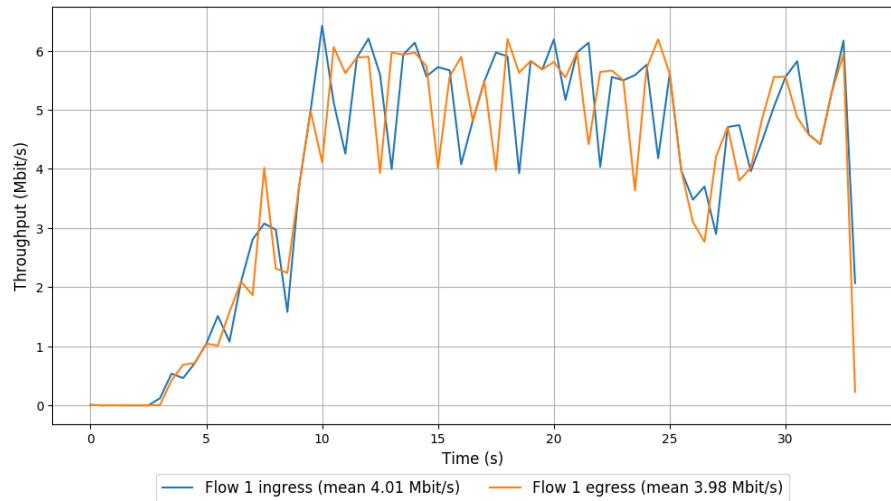


Run 7: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 12:46:38 +0000
End at: Tue, 13 Jun 2017 12:47:08 +0000
Local clock offset: 2.156 ms
Remote clock offset: -1.697 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 54.390 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 3.98 Mbit/s
95th percentile per-packet one-way delay: 54.390 ms
Loss rate: 1.14%
```

Run 7: Report of Sprout — Data Link

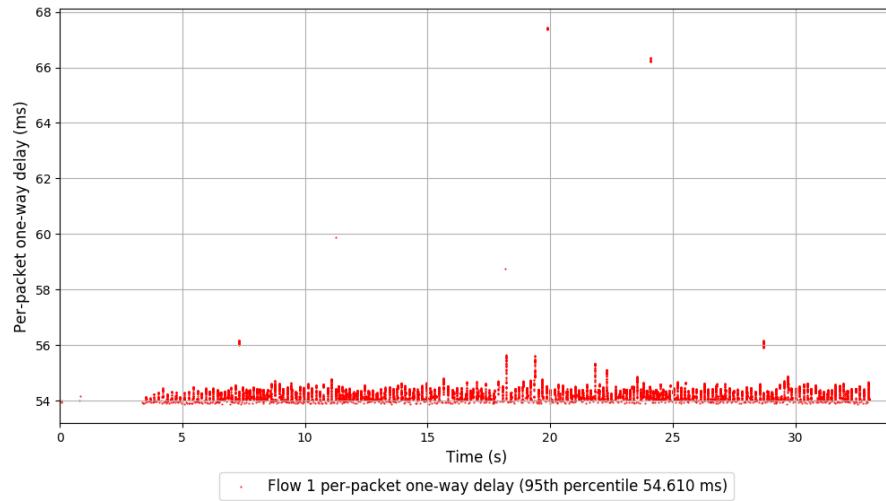
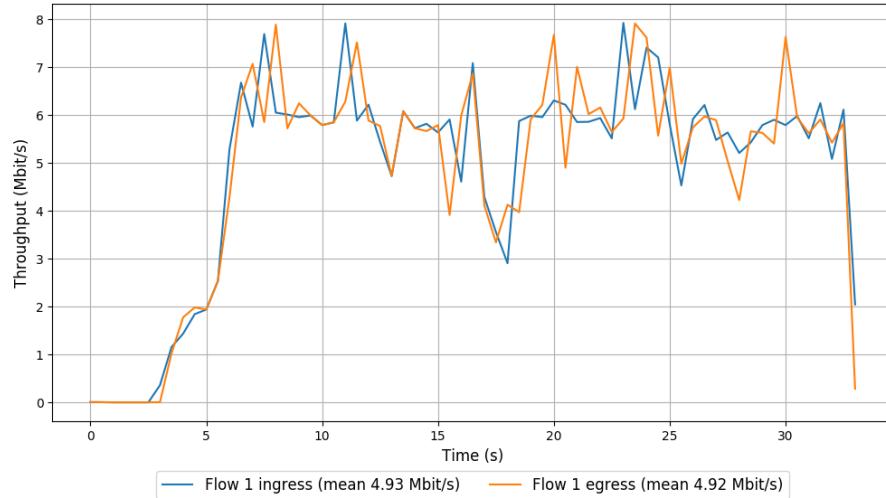


Run 8: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 13:06:21 +0000
End at: Tue, 13 Jun 2017 13:06:51 +0000
Local clock offset: 2.609 ms
Remote clock offset: -1.819 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 54.610 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 54.610 ms
Loss rate: 0.65%
```

Run 8: Report of Sprout — Data Link

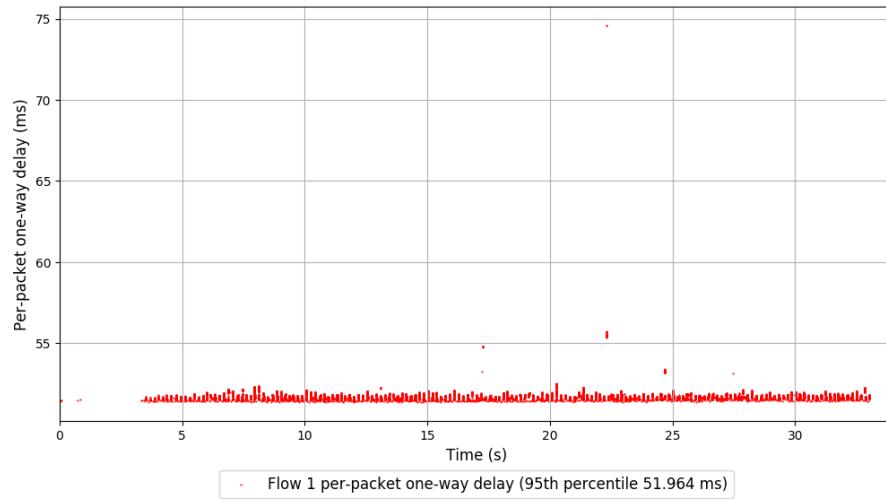
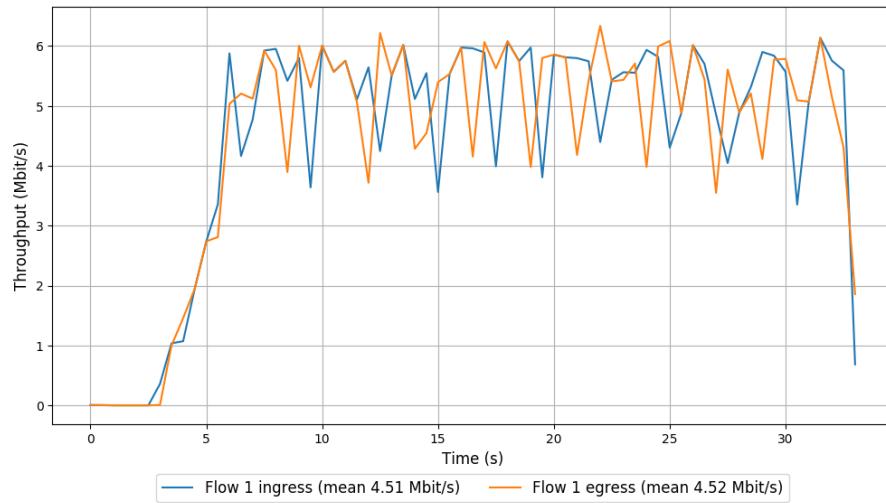


Run 9: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 13:26:23 +0000
End at: Tue, 13 Jun 2017 13:26:53 +0000
Local clock offset: 2.707 ms
Remote clock offset: -3.391 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 51.964 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 51.964 ms
Loss rate: 0.24%
```

Run 9: Report of Sprout — Data Link

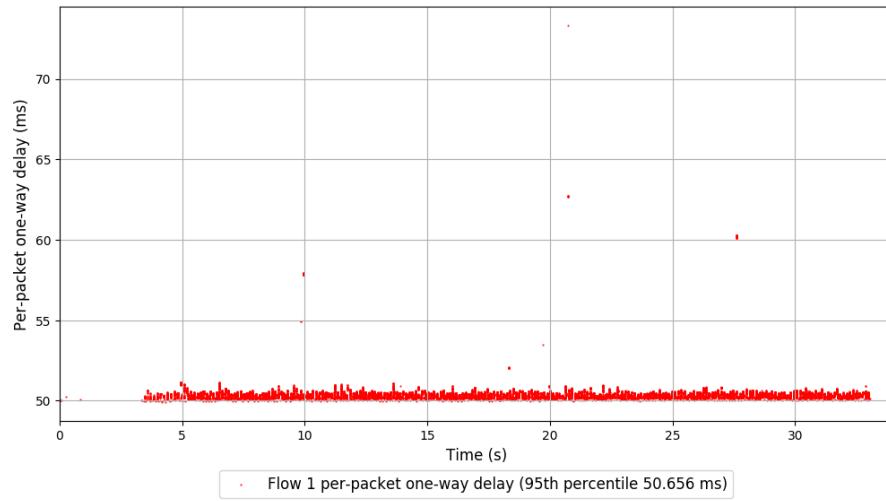
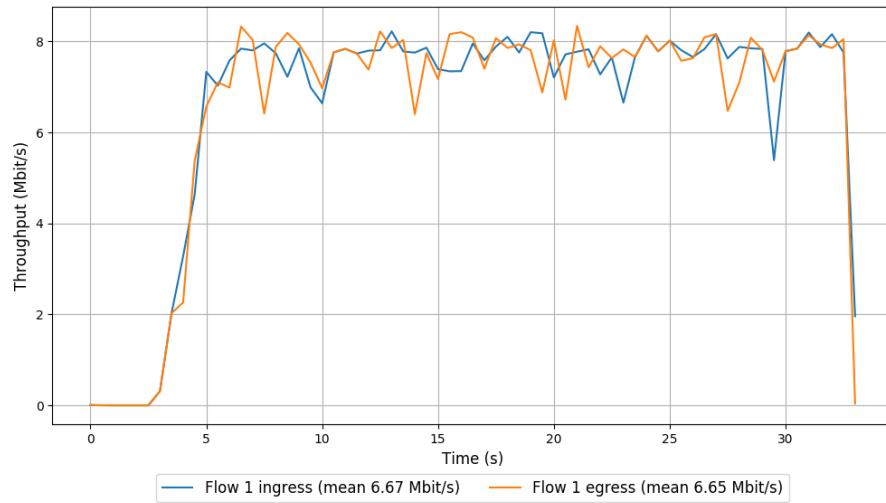


Run 10: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 13:46:24 +0000
End at: Tue, 13 Jun 2017 13:46:54 +0000
Local clock offset: 1.12 ms
Remote clock offset: -6.573 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 50.656 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 6.65 Mbit/s
95th percentile per-packet one-way delay: 50.656 ms
Loss rate: 0.51%
```

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 10:37:52 +0000

End at: Tue, 13 Jun 2017 10:38:22 +0000

Local clock offset: 3.969 ms

Remote clock offset: -1.455 ms

Below is generated by plot.py at Tue, 13 Jun 2017 14:51:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 61.013 ms

Loss rate: 6.58%

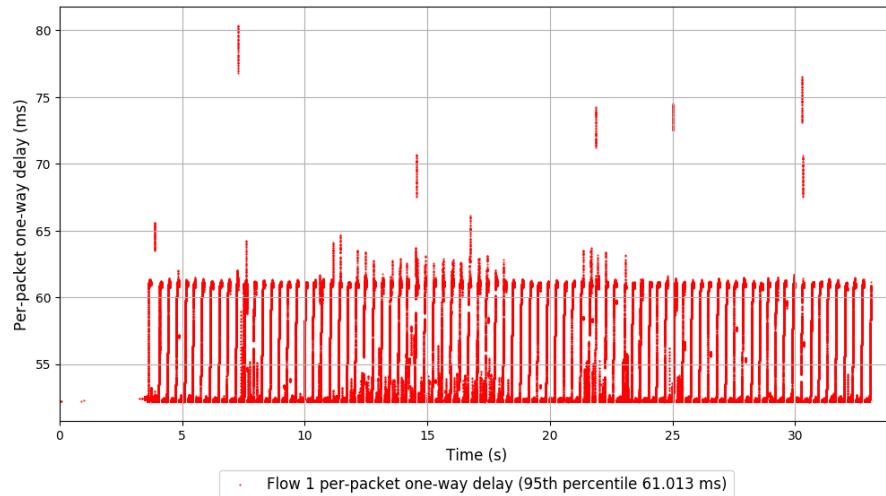
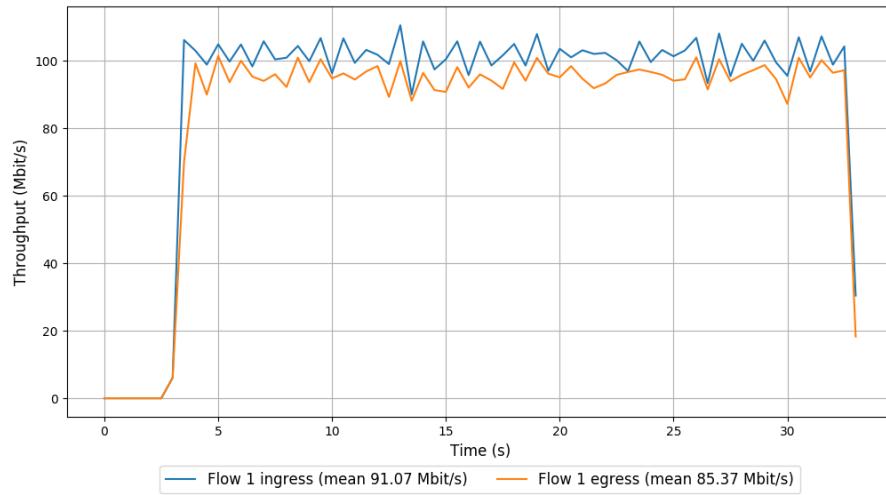
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 61.013 ms

Loss rate: 6.58%

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

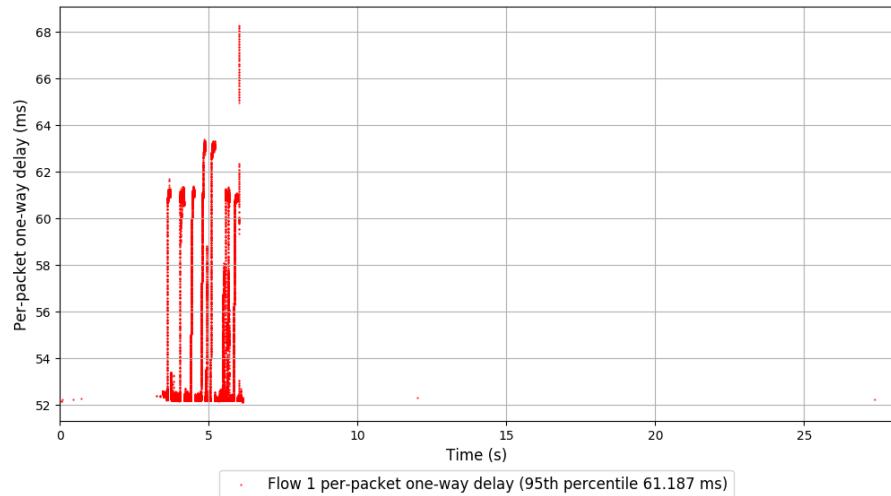
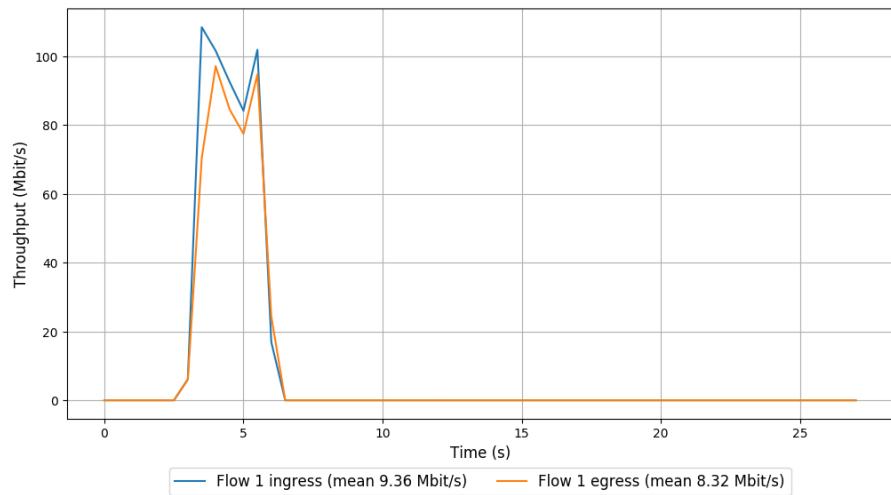


Run 2: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 10:57:38 +0000
End at: Tue, 13 Jun 2017 10:58:08 +0000
Local clock offset: 3.974 ms
Remote clock offset: -1.935 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:51:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 61.187 ms
Loss rate: 11.11%
-- Flow 1:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 61.187 ms
Loss rate: 11.11%
```

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

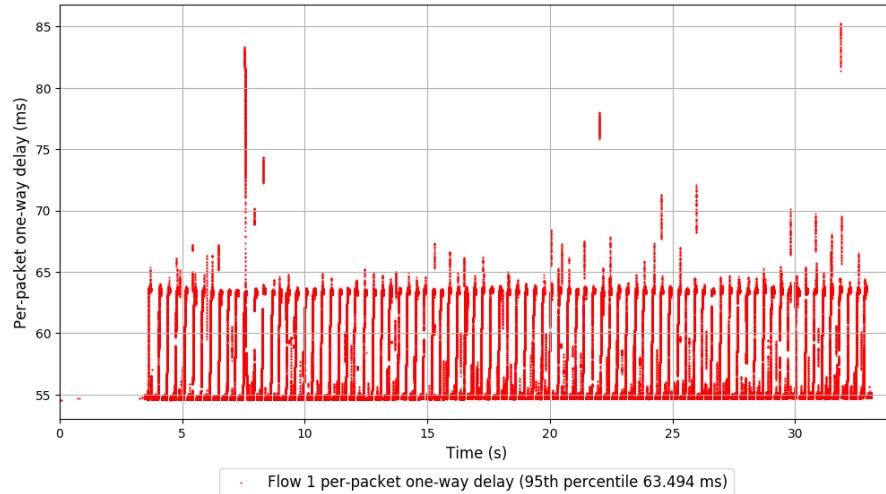
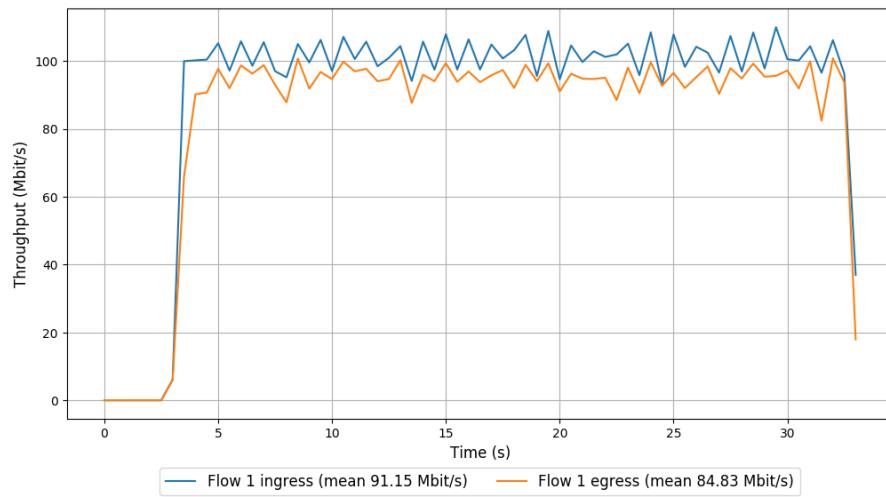


Run 3: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 11:17:07 +0000
End at: Tue, 13 Jun 2017 11:17:37 +0000
Local clock offset: 1.317 ms
Remote clock offset: -1.744 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:52:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 63.494 ms
Loss rate: 7.24%
-- Flow 1:
Average throughput: 84.83 Mbit/s
95th percentile per-packet one-way delay: 63.494 ms
Loss rate: 7.24%
```

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

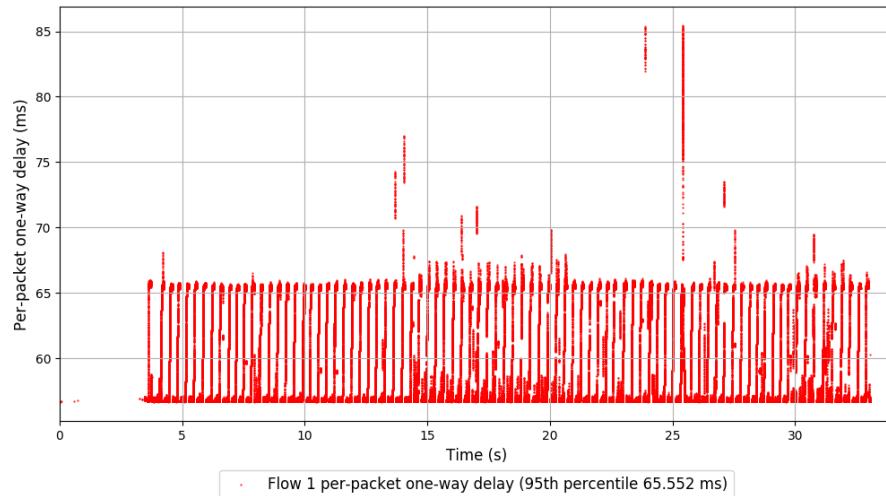
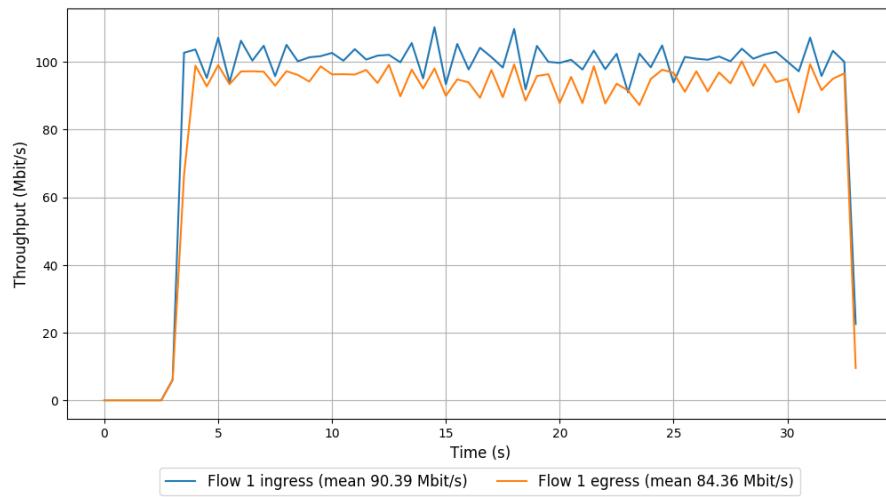


Run 4: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 11:36:49 +0000
End at: Tue, 13 Jun 2017 11:37:19 +0000
Local clock offset: -0.72 ms
Remote clock offset: -2.161 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:52:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 65.552 ms
Loss rate: 6.99%
-- Flow 1:
Average throughput: 84.36 Mbit/s
95th percentile per-packet one-way delay: 65.552 ms
Loss rate: 6.99%
```

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

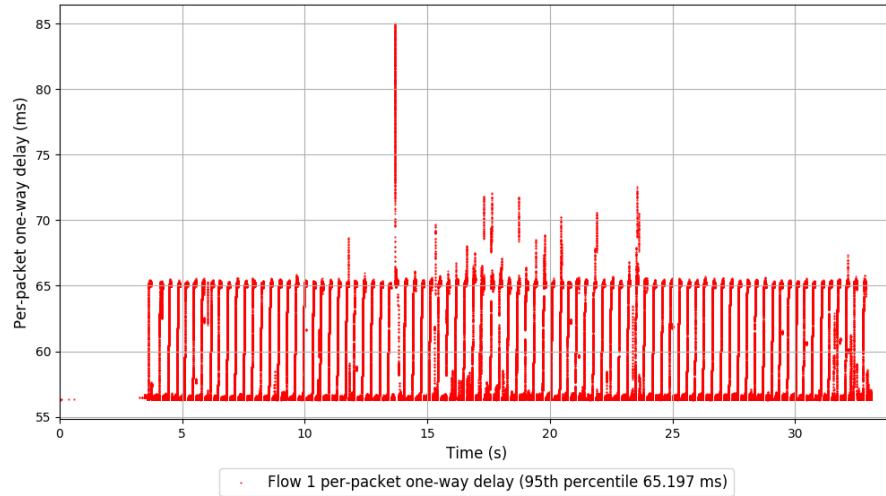
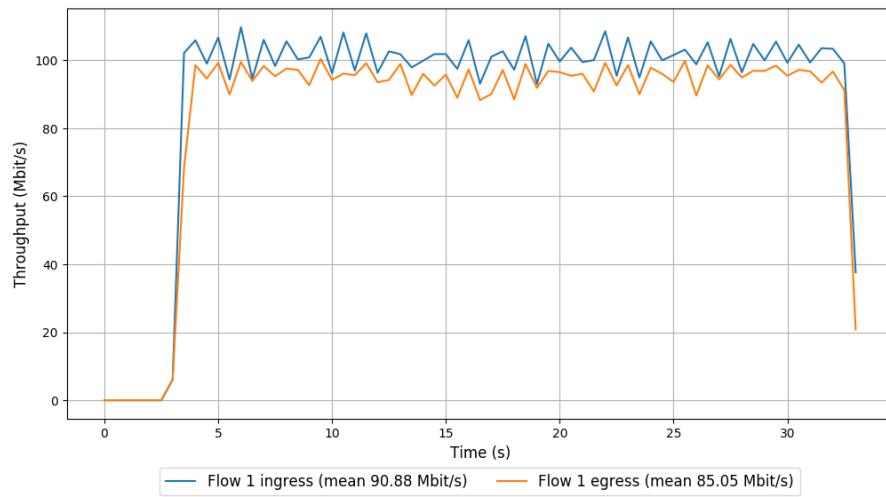


Run 5: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 11:56:31 +0000
End at: Tue, 13 Jun 2017 11:57:01 +0000
Local clock offset: -0.661 ms
Remote clock offset: -2.123 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:52:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 65.197 ms
Loss rate: 6.74%
-- Flow 1:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 65.197 ms
Loss rate: 6.74%
```

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

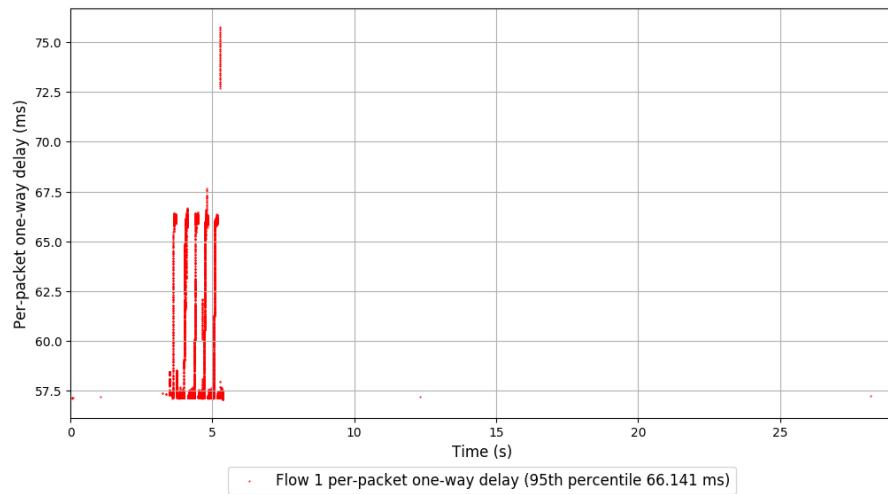
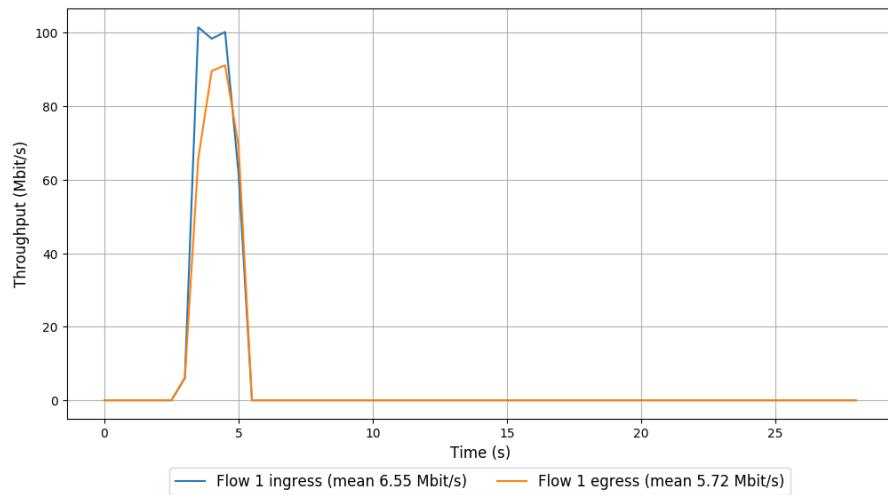


Run 6: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 12:16:12 +0000
End at: Tue, 13 Jun 2017 12:16:42 +0000
Local clock offset: -0.978 ms
Remote clock offset: -1.862 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:52:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 66.141 ms
Loss rate: 12.57%
-- Flow 1:
Average throughput: 5.72 Mbit/s
95th percentile per-packet one-way delay: 66.141 ms
Loss rate: 12.57%
```

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



Run 7: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 12:35:54 +0000

End at: Tue, 13 Jun 2017 12:36:24 +0000

Local clock offset: 2.254 ms

Remote clock offset: -1.968 ms

Below is generated by plot.py at Tue, 13 Jun 2017 14:52:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 62.539 ms

Loss rate: 7.35%

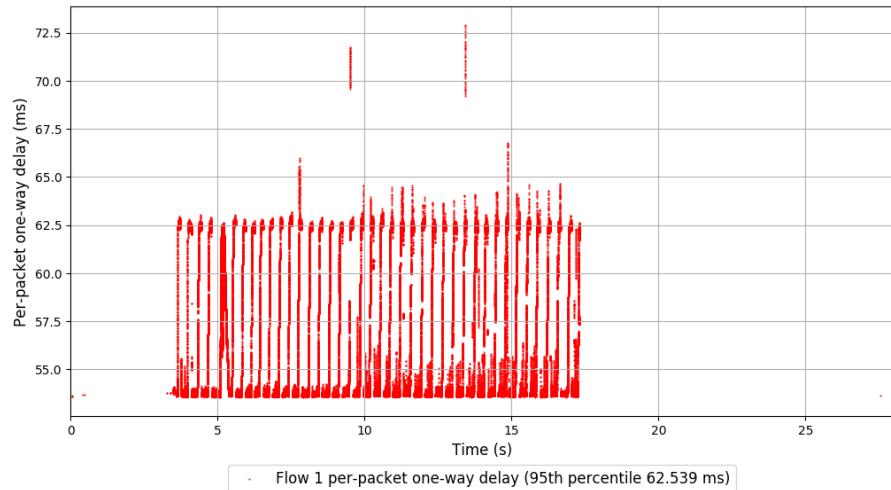
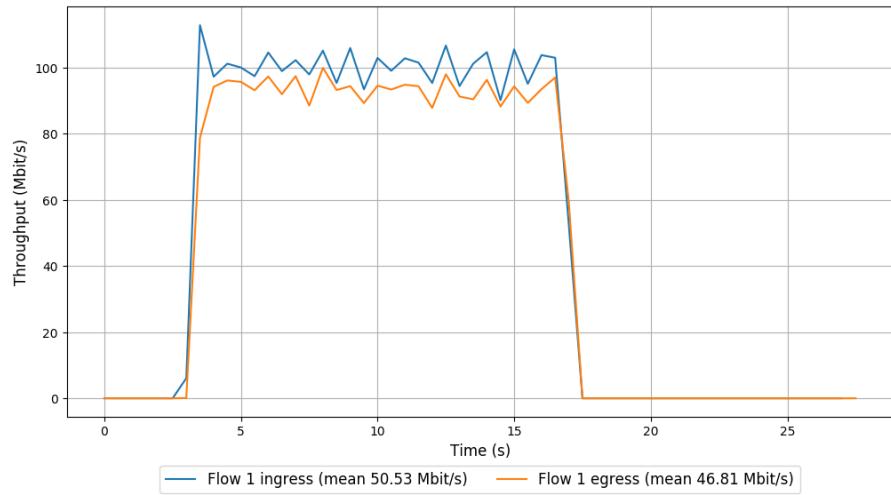
-- Flow 1:

Average throughput: 46.81 Mbit/s

95th percentile per-packet one-way delay: 62.539 ms

Loss rate: 7.35%

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

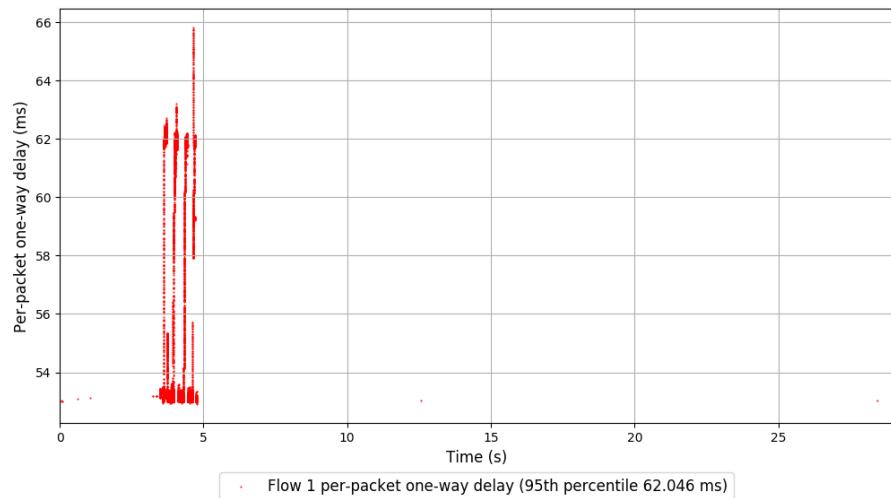
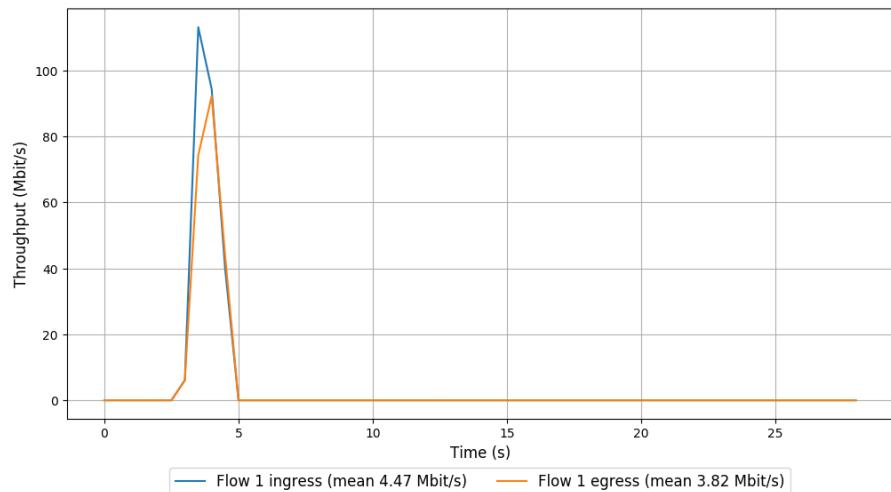


Run 8: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 12:55:40 +0000
End at: Tue, 13 Jun 2017 12:56:10 +0000
Local clock offset: 2.543 ms
Remote clock offset: -1.591 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:52:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 62.046 ms
Loss rate: 14.59%
-- Flow 1:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 62.046 ms
Loss rate: 14.59%
```

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



Run 9: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 13:15:26 +0000

End at: Tue, 13 Jun 2017 13:15:56 +0000

Local clock offset: 2.667 ms

Remote clock offset: -1.613 ms

Below is generated by plot.py at Tue, 13 Jun 2017 14:52:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.01 Mbit/s

95th percentile per-packet one-way delay: 63.581 ms

Loss rate: 9.42%

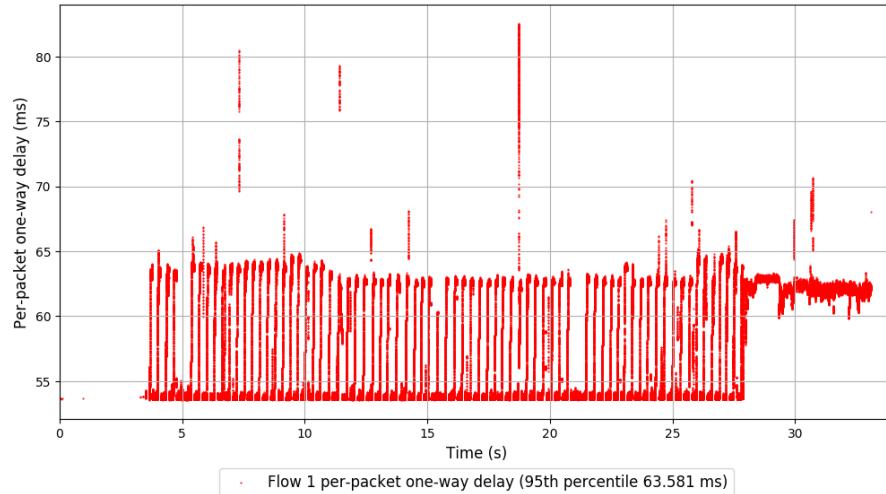
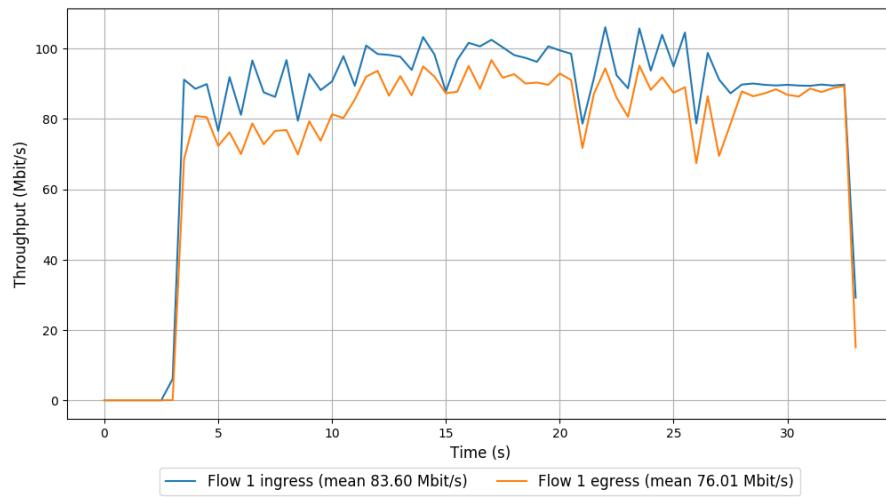
-- Flow 1:

Average throughput: 76.01 Mbit/s

95th percentile per-packet one-way delay: 63.581 ms

Loss rate: 9.42%

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

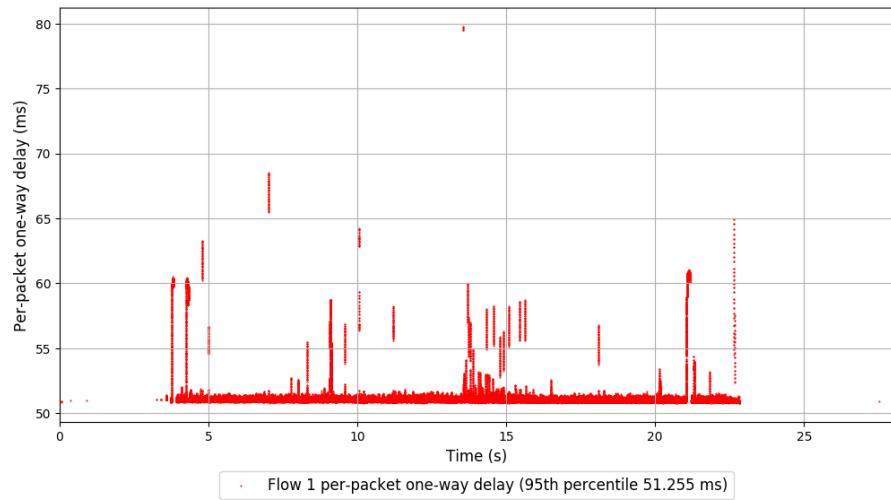
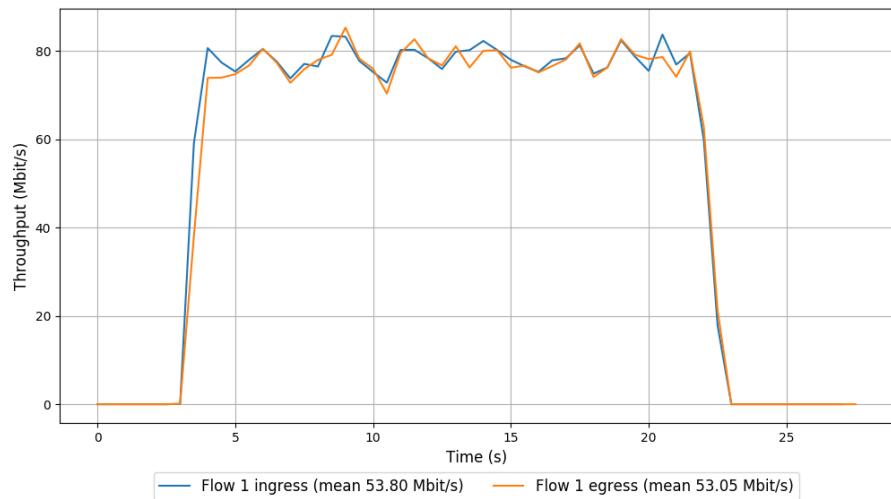


Run 10: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 13:35:31 +0000
End at: Tue, 13 Jun 2017 13:36:01 +0000
Local clock offset: 1.704 ms
Remote clock offset: -5.543 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:52:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.05 Mbit/s
95th percentile per-packet one-way delay: 51.255 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 53.05 Mbit/s
95th percentile per-packet one-way delay: 51.255 ms
Loss rate: 1.40%
```

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

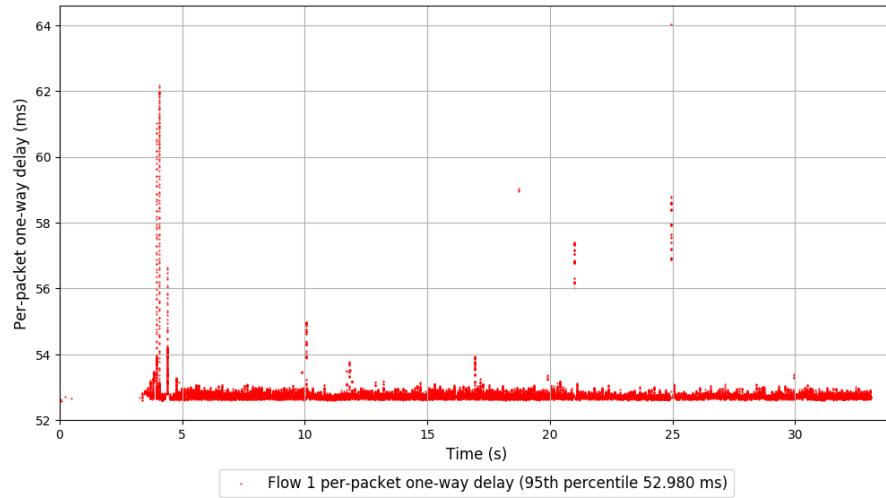
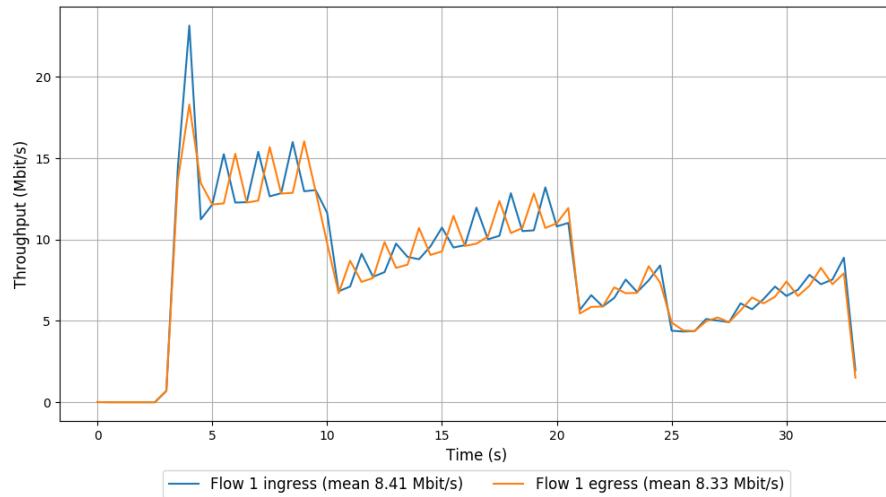


Run 1: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 10:49:52 +0000
End at: Tue, 13 Jun 2017 10:50:23 +0000
Local clock offset: 4.223 ms
Remote clock offset: -1.994 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:52:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 52.980 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 8.33 Mbit/s
95th percentile per-packet one-way delay: 52.980 ms
Loss rate: 1.36%
```

Run 1: Report of TCP Vegas — Data Link

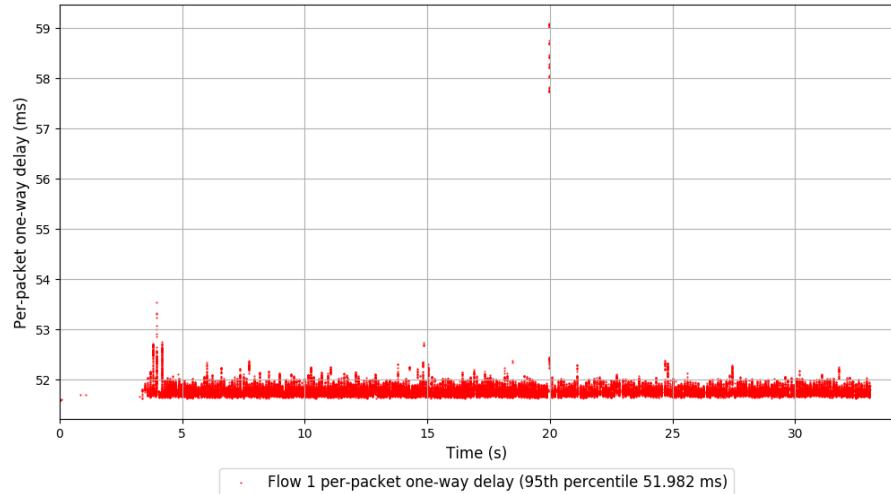
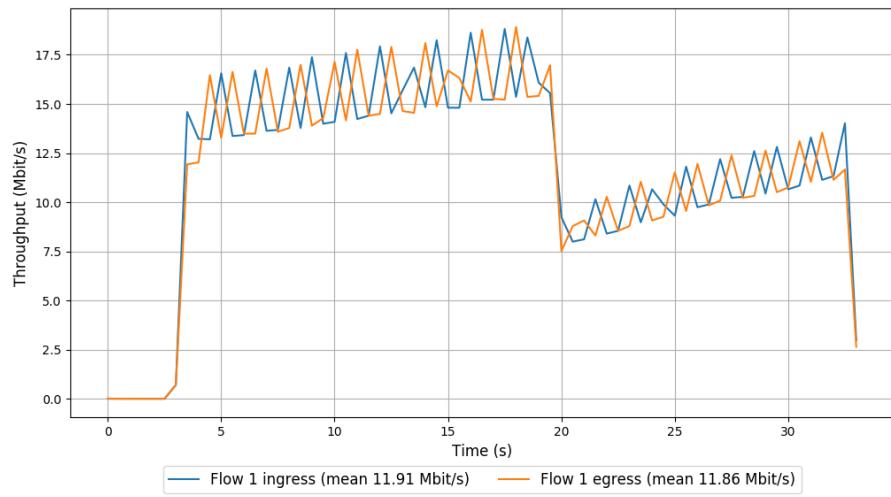


Run 2: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 11:09:26 +0000
End at: Tue, 13 Jun 2017 11:09:56 +0000
Local clock offset: 3.909 ms
Remote clock offset: -2.285 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:52:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 51.982 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 51.982 ms
Loss rate: 0.73%
```

Run 2: Report of TCP Vegas — Data Link

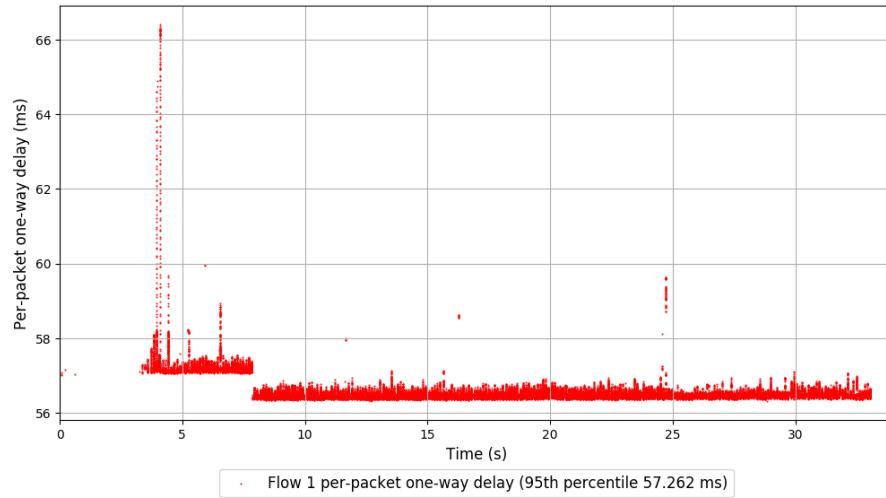
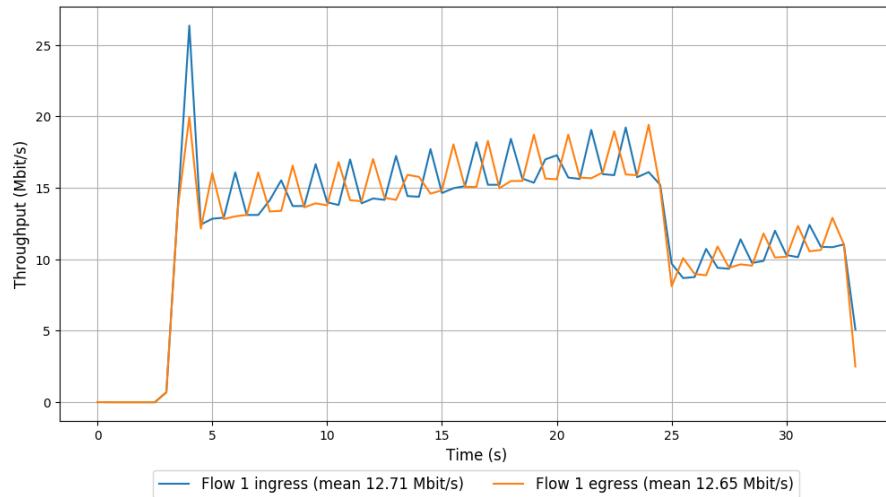


Run 3: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 11:29:07 +0000
End at: Tue, 13 Jun 2017 11:29:37 +0000
Local clock offset: -0.783 ms
Remote clock offset: -2.039 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:52:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 57.262 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 57.262 ms
Loss rate: 0.80%
```

Run 3: Report of TCP Vegas — Data Link

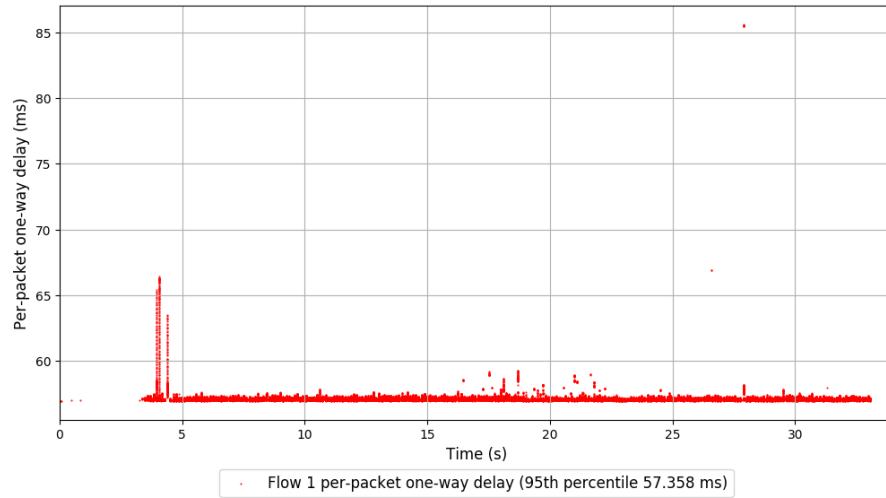
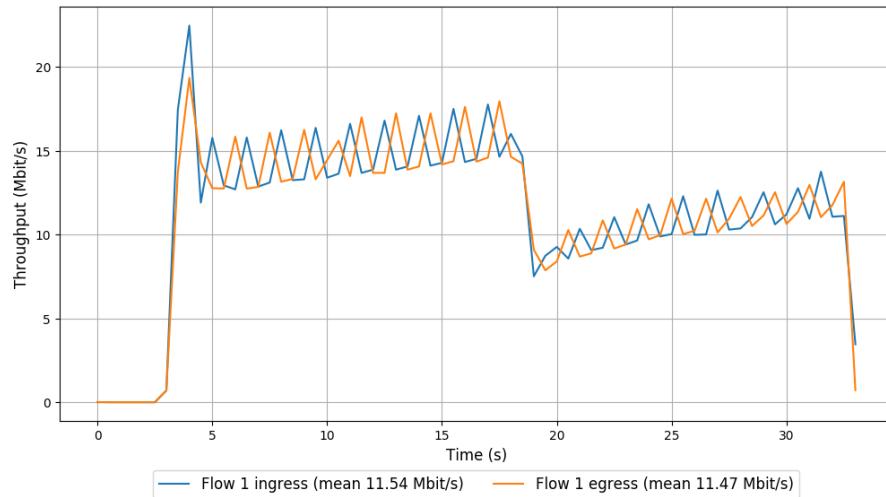


Run 4: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 11:48:47 +0000
End at: Tue, 13 Jun 2017 11:49:17 +0000
Local clock offset: -0.837 ms
Remote clock offset: -1.874 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:52:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.47 Mbit/s
95th percentile per-packet one-way delay: 57.358 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 11.47 Mbit/s
95th percentile per-packet one-way delay: 57.358 ms
Loss rate: 0.96%
```

Run 4: Report of TCP Vegas — Data Link

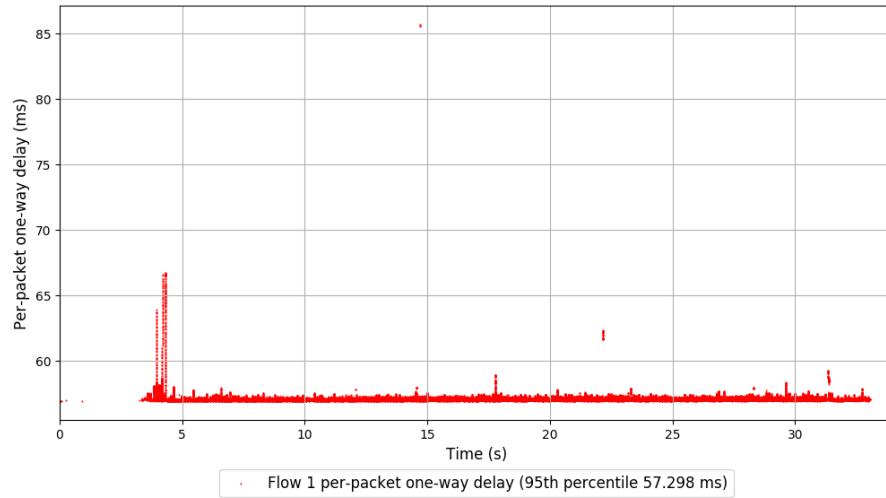
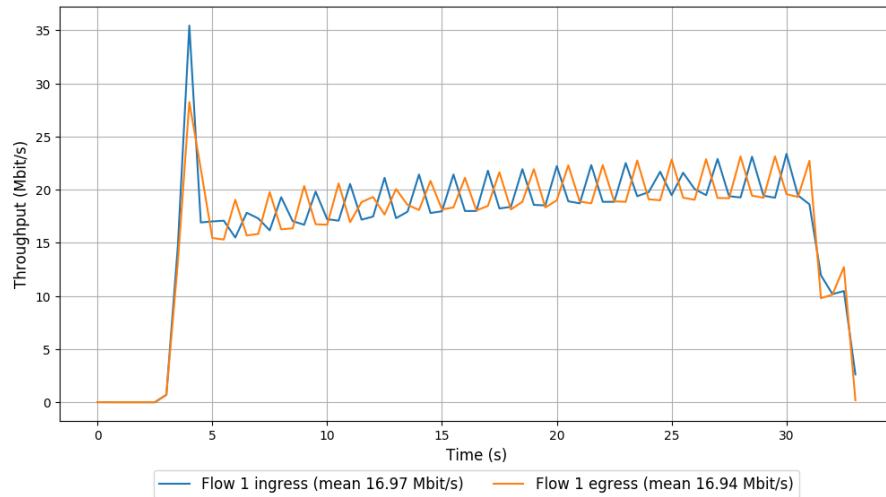


Run 5: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 12:08:30 +0000
End at: Tue, 13 Jun 2017 12:09:00 +0000
Local clock offset: -1.154 ms
Remote clock offset: -1.8 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:52:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 57.298 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 57.298 ms
Loss rate: 0.54%
```

Run 5: Report of TCP Vegas — Data Link

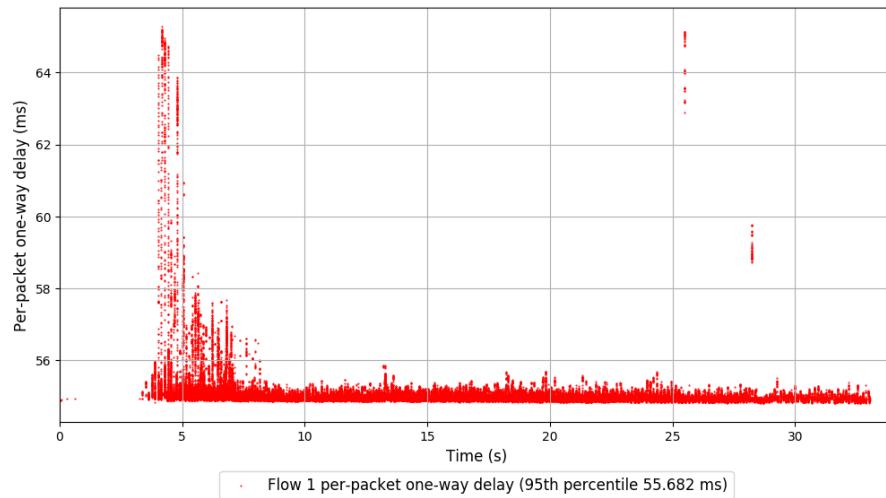
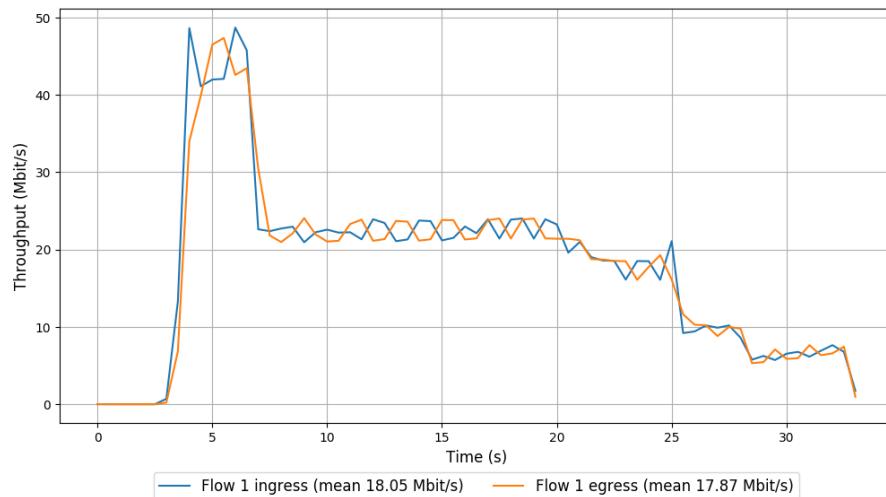


Run 6: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 12:28:02 +0000
End at: Tue, 13 Jun 2017 12:28:32 +0000
Local clock offset: 1.462 ms
Remote clock offset: -1.76 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.87 Mbit/s
95th percentile per-packet one-way delay: 55.682 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 17.87 Mbit/s
95th percentile per-packet one-way delay: 55.682 ms
Loss rate: 1.35%
```

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 12:47:54 +0000

End at: Tue, 13 Jun 2017 12:48:24 +0000

Local clock offset: 2.243 ms

Remote clock offset: -1.662 ms

Below is generated by plot.py at Tue, 13 Jun 2017 14:53:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 54.798 ms

Loss rate: 1.30%

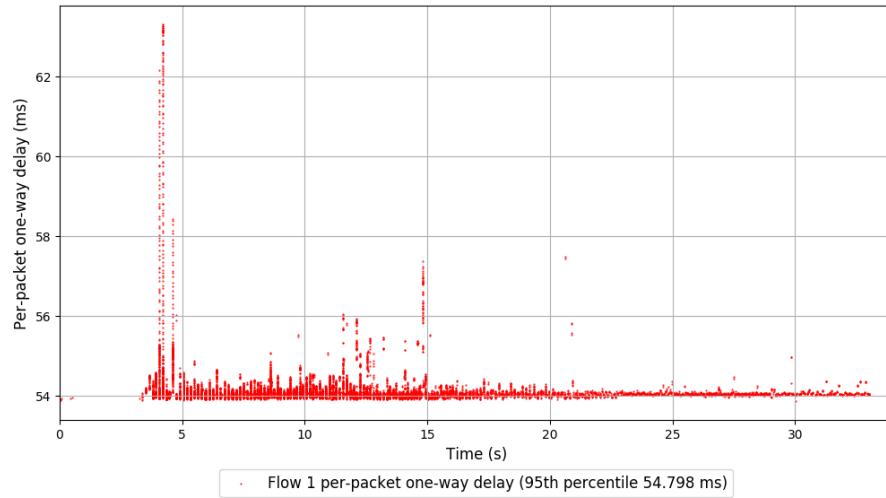
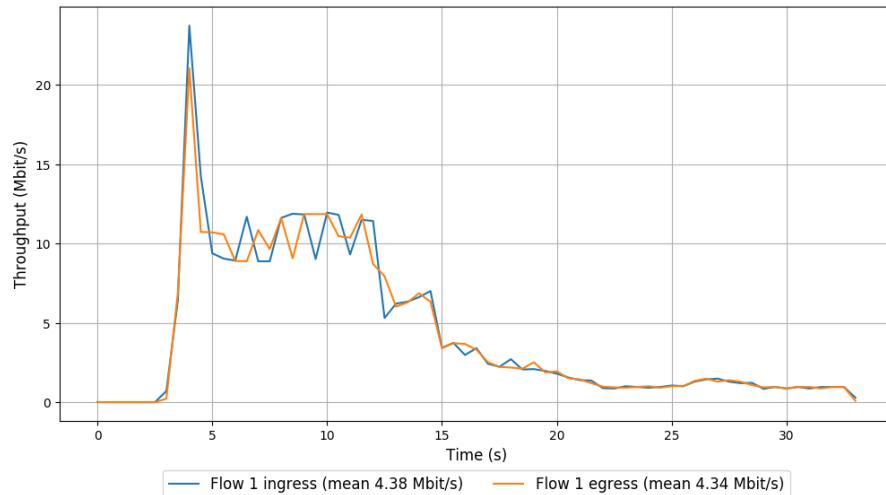
-- Flow 1:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 54.798 ms

Loss rate: 1.30%

Run 7: Report of TCP Vegas — Data Link

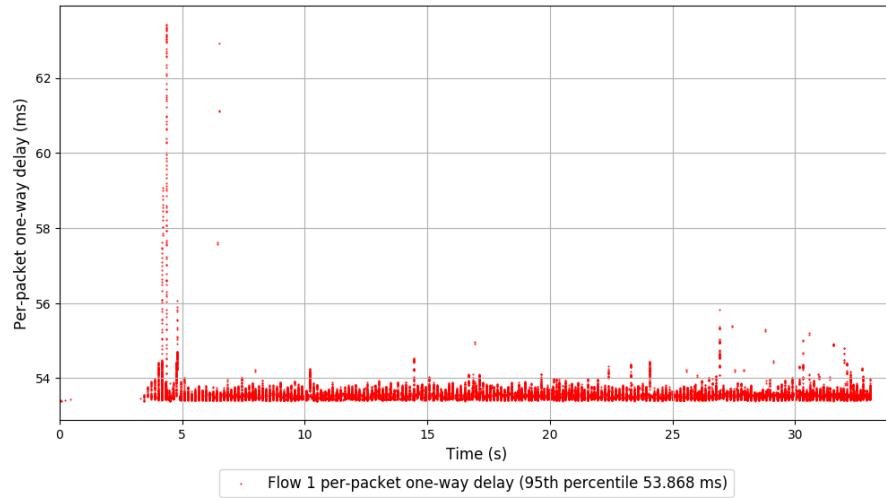
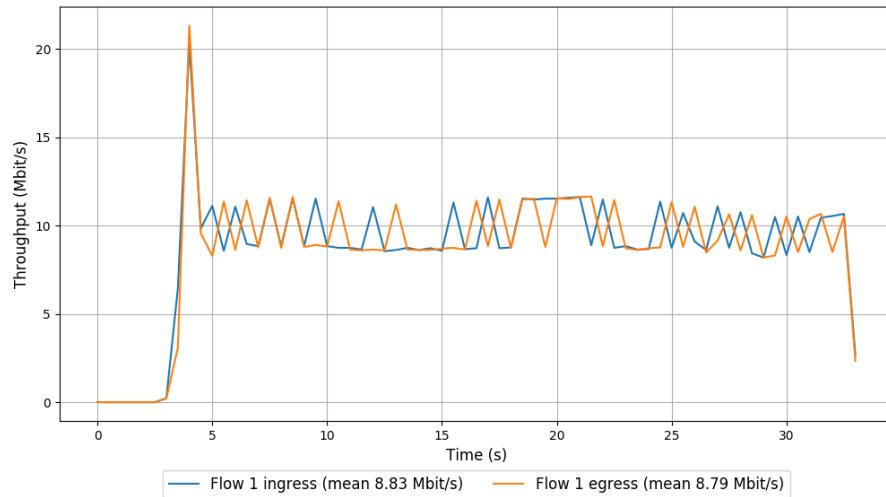


Run 8: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 13:07:37 +0000
End at: Tue, 13 Jun 2017 13:08:07 +0000
Local clock offset: 2.541 ms
Remote clock offset: -1.39 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.79 Mbit/s
95th percentile per-packet one-way delay: 53.868 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 8.79 Mbit/s
95th percentile per-packet one-way delay: 53.868 ms
Loss rate: 0.91%
```

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 13:27:40 +0000
End at: Tue, 13 Jun 2017 13:28:10 +0000
Local clock offset: 2.564 ms
Remote clock offset: -3.811 ms

Run 9: Report of TCP Vegas — Data Link

Figure is missing

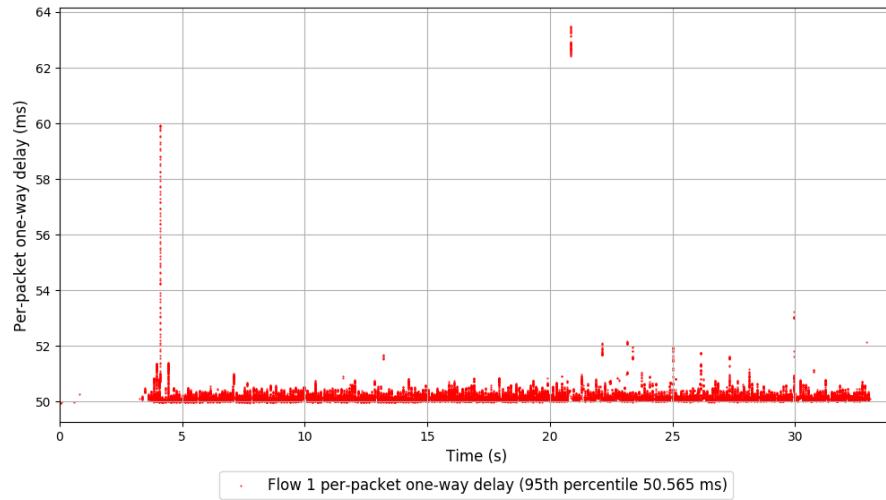
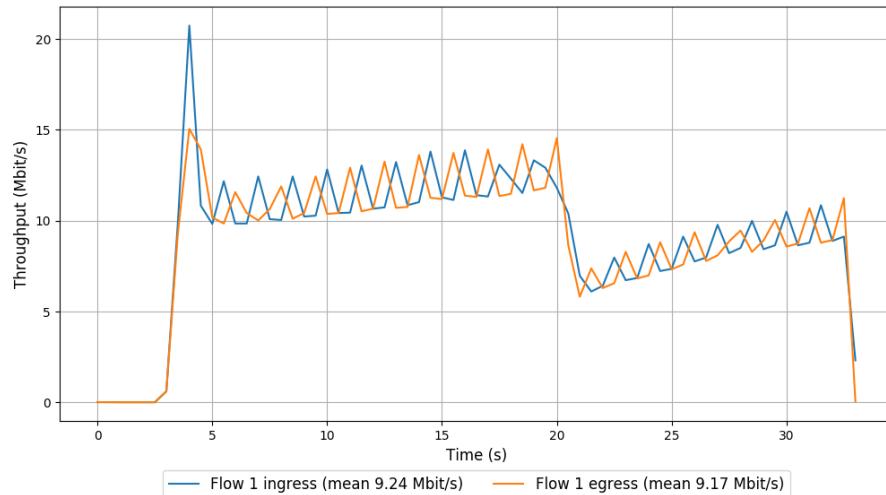
Figure is missing

Run 10: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 13:47:42 +0000
End at: Tue, 13 Jun 2017 13:48:12 +0000
Local clock offset: 1.101 ms
Remote clock offset: -6.456 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 50.565 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 50.565 ms
Loss rate: 1.09%
```

Run 10: Report of TCP Vegas — Data Link

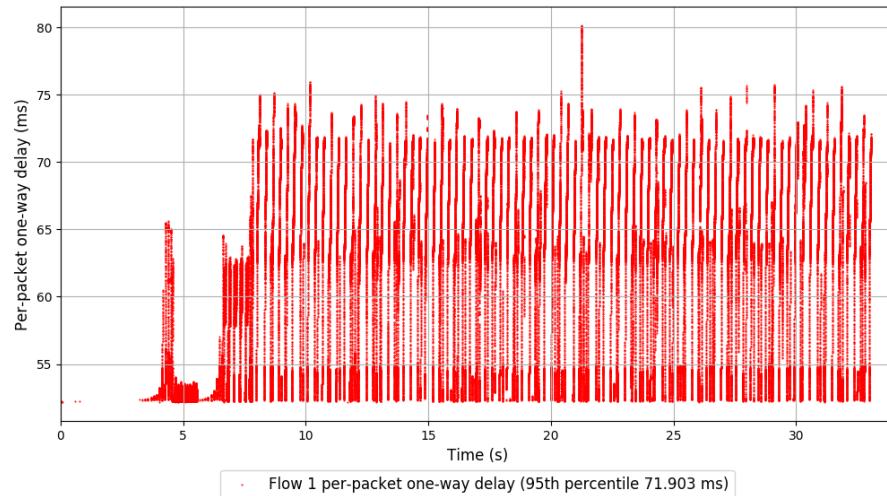
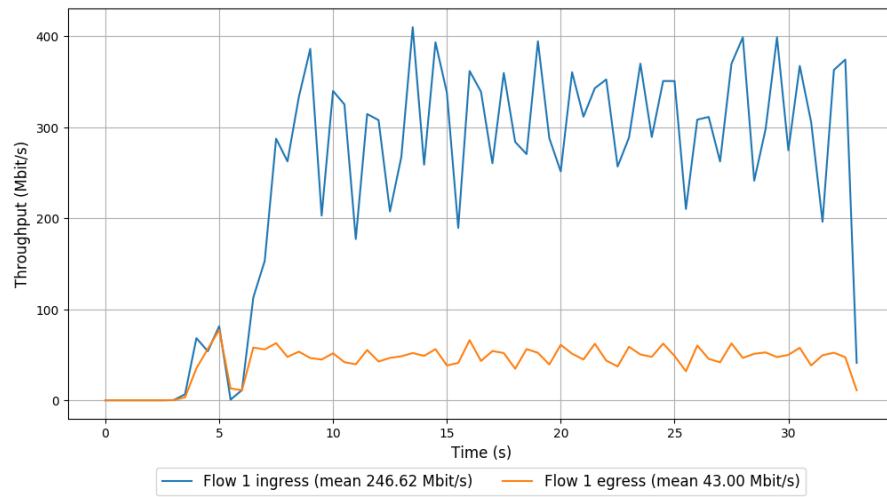


Run 1: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 10:52:24 +0000
End at: Tue, 13 Jun 2017 10:52:54 +0000
Local clock offset: 4.204 ms
Remote clock offset: -1.67 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.00 Mbit/s
95th percentile per-packet one-way delay: 71.903 ms
Loss rate: 82.58%
-- Flow 1:
Average throughput: 43.00 Mbit/s
95th percentile per-packet one-way delay: 71.903 ms
Loss rate: 82.58%
```

Run 1: Report of Verus — Data Link

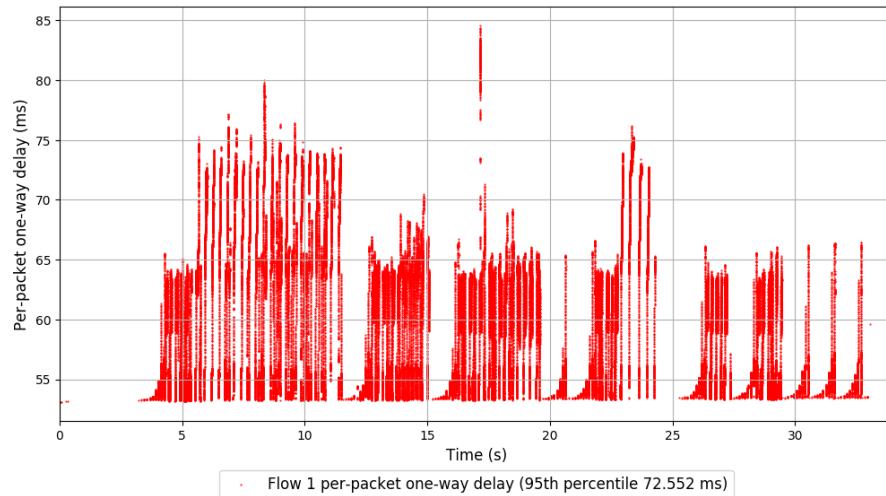
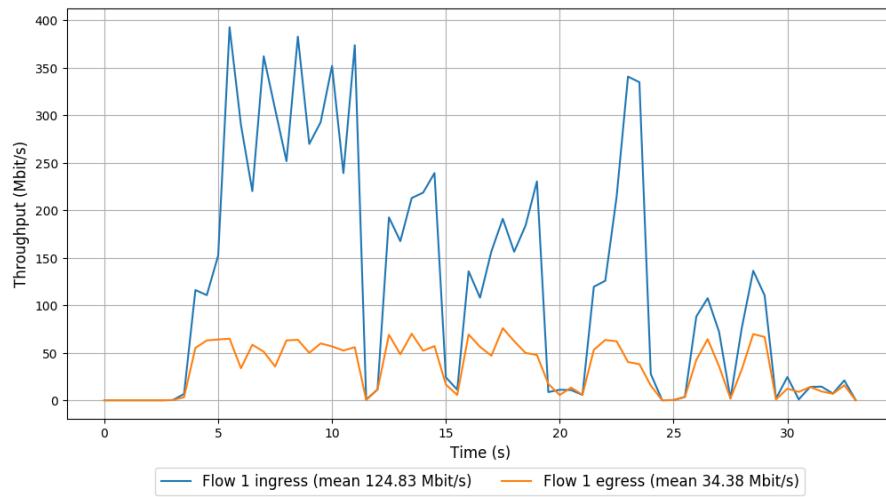


Run 2: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 11:11:58 +0000
End at: Tue, 13 Jun 2017 11:12:28 +0000
Local clock offset: 3.061 ms
Remote clock offset: -1.994 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 72.552 ms
Loss rate: 72.45%
-- Flow 1:
Average throughput: 34.38 Mbit/s
95th percentile per-packet one-way delay: 72.552 ms
Loss rate: 72.45%
```

Run 2: Report of Verus — Data Link

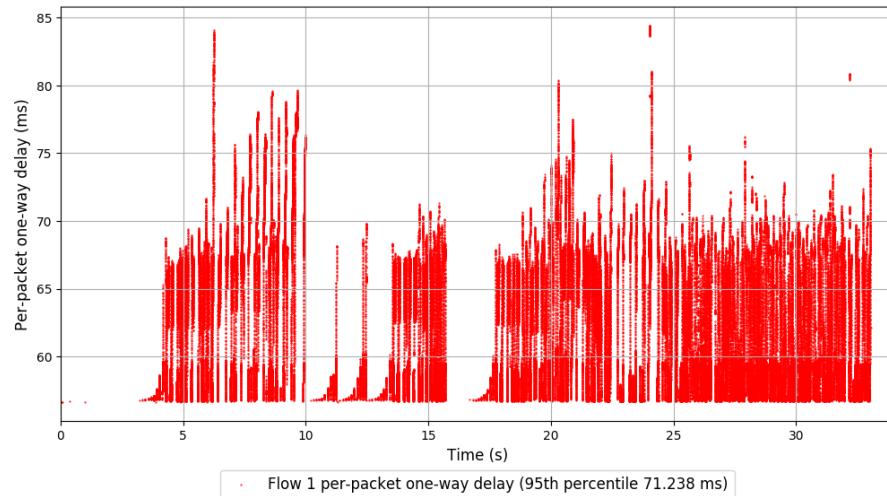
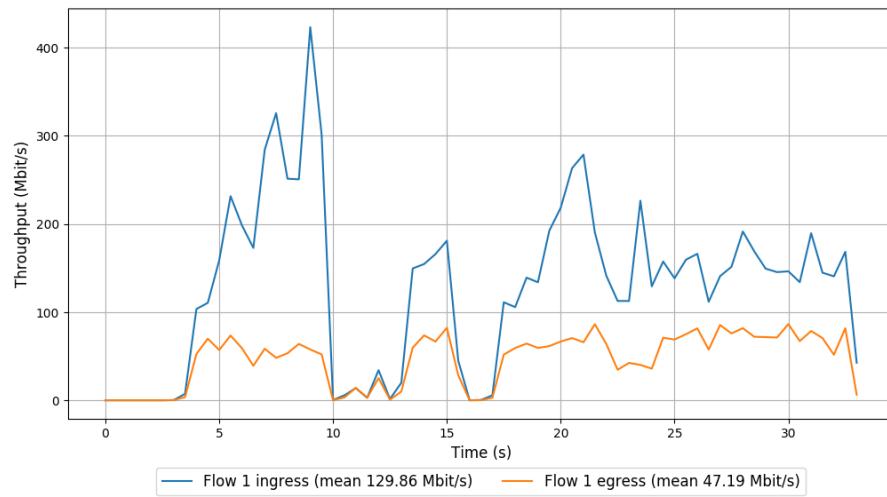


Run 3: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 11:31:39 +0000
End at: Tue, 13 Jun 2017 11:32:09 +0000
Local clock offset: -0.534 ms
Remote clock offset: -2.154 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.19 Mbit/s
95th percentile per-packet one-way delay: 71.238 ms
Loss rate: 63.78%
-- Flow 1:
Average throughput: 47.19 Mbit/s
95th percentile per-packet one-way delay: 71.238 ms
Loss rate: 63.78%
```

Run 3: Report of Verus — Data Link

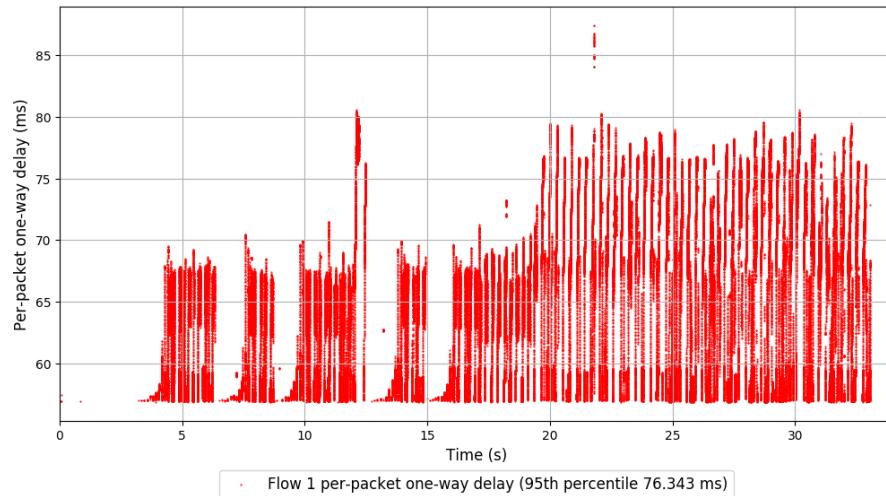
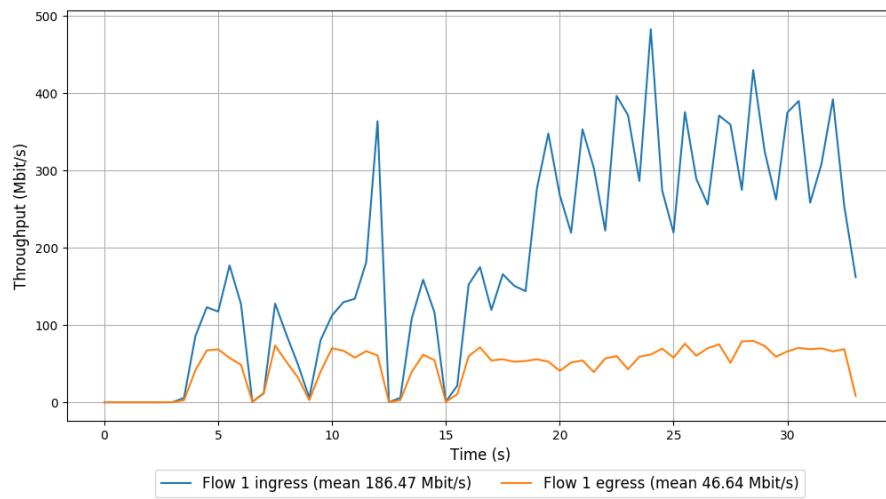


Run 4: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 11:51:18 +0000
End at: Tue, 13 Jun 2017 11:51:48 +0000
Local clock offset: -0.752 ms
Remote clock offset: -2.211 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.64 Mbit/s
95th percentile per-packet one-way delay: 76.343 ms
Loss rate: 75.07%
-- Flow 1:
Average throughput: 46.64 Mbit/s
95th percentile per-packet one-way delay: 76.343 ms
Loss rate: 75.07%
```

Run 4: Report of Verus — Data Link

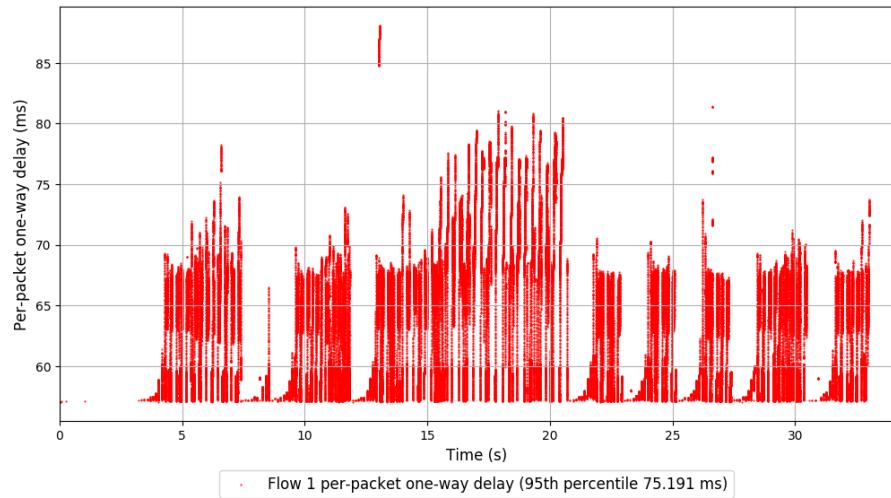
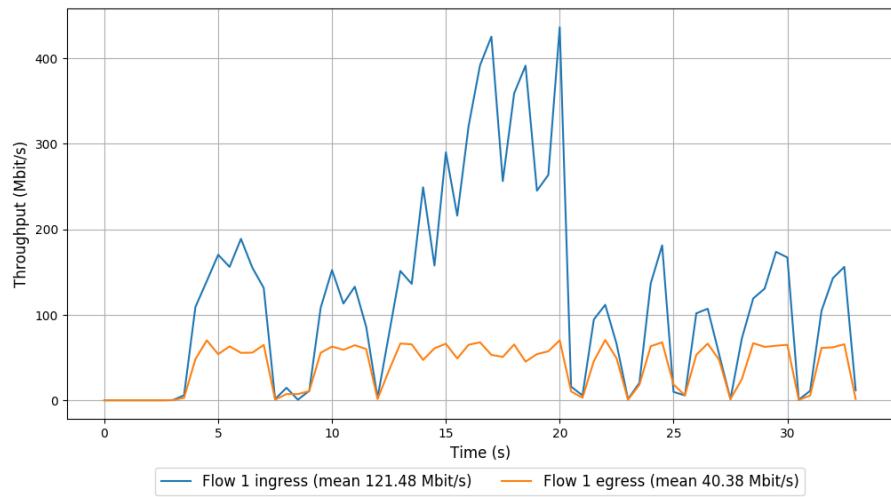


Run 5: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 12:11:02 +0000
End at: Tue, 13 Jun 2017 12:11:32 +0000
Local clock offset: -0.846 ms
Remote clock offset: -1.783 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 75.191 ms
Loss rate: 66.93%
-- Flow 1:
Average throughput: 40.38 Mbit/s
95th percentile per-packet one-way delay: 75.191 ms
Loss rate: 66.93%
```

Run 5: Report of Verus — Data Link

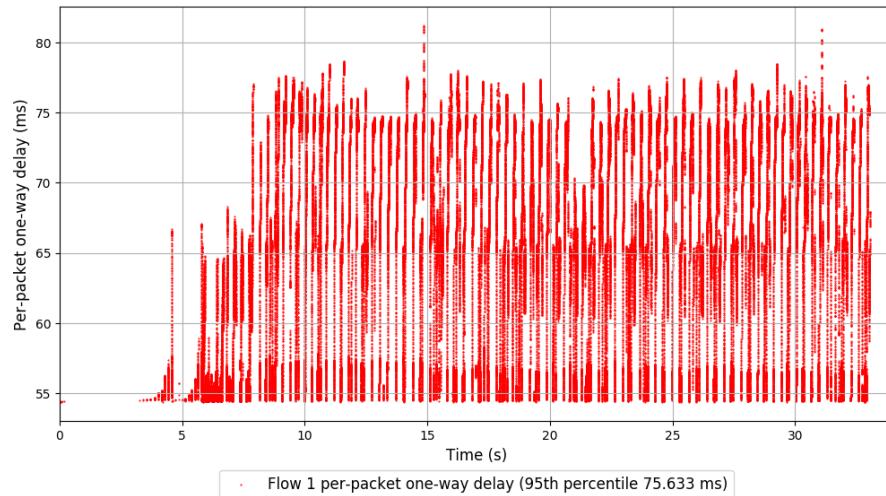
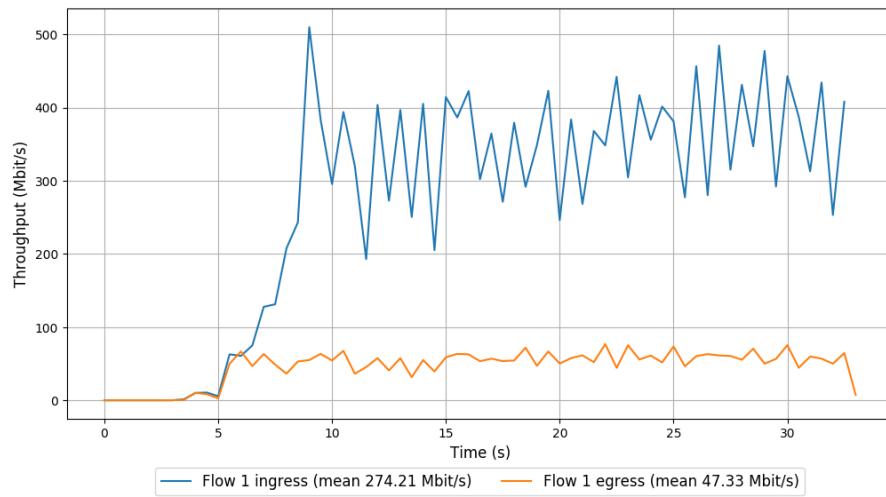


Run 6: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 12:30:34 +0000
End at: Tue, 13 Jun 2017 12:31:04 +0000
Local clock offset: 1.817 ms
Remote clock offset: -1.867 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.33 Mbit/s
95th percentile per-packet one-way delay: 75.633 ms
Loss rate: 82.73%
-- Flow 1:
Average throughput: 47.33 Mbit/s
95th percentile per-packet one-way delay: 75.633 ms
Loss rate: 82.73%
```

Run 6: Report of Verus — Data Link

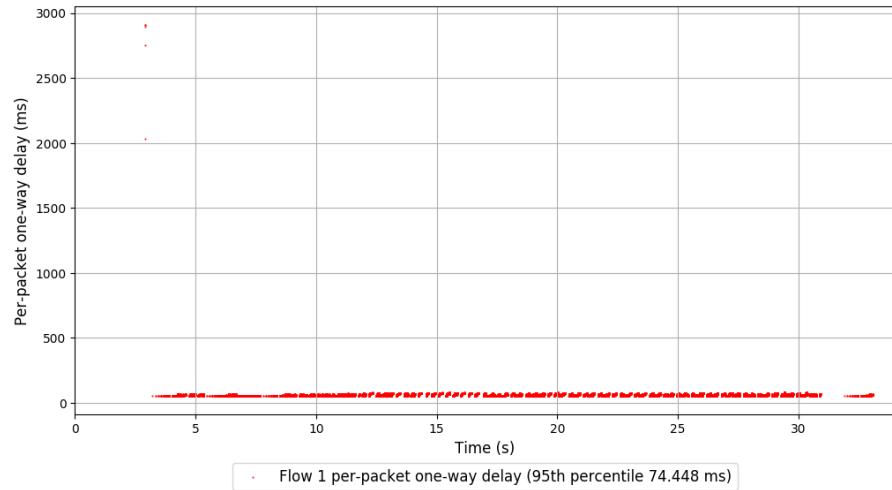
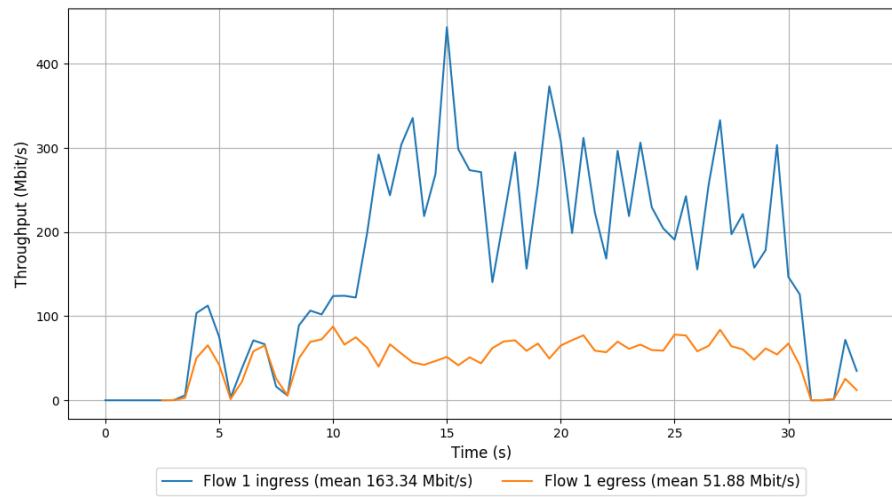


Run 7: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 12:50:25 +0000
End at: Tue, 13 Jun 2017 12:50:55 +0000
Local clock offset: 2.199 ms
Remote clock offset: -1.808 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.88 Mbit/s
95th percentile per-packet one-way delay: 74.448 ms
Loss rate: 71.10%
-- Flow 1:
Average throughput: 51.88 Mbit/s
95th percentile per-packet one-way delay: 74.448 ms
Loss rate: 71.10%
```

Run 7: Report of Verus — Data Link

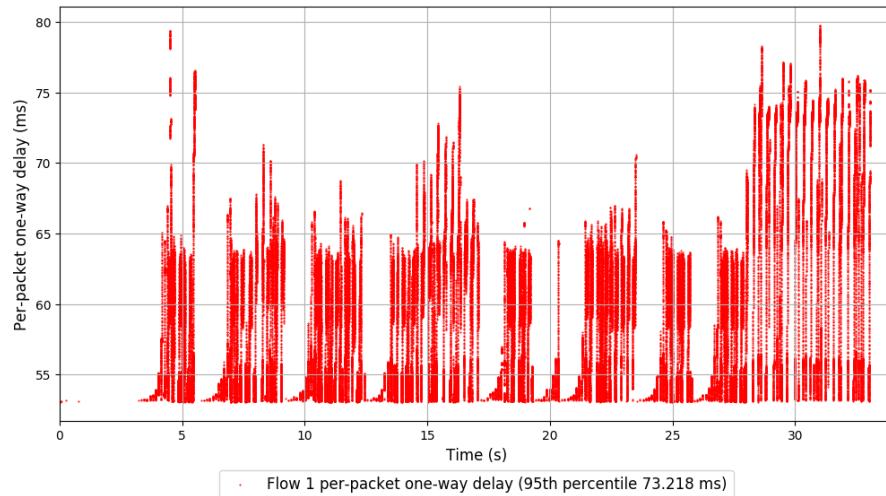
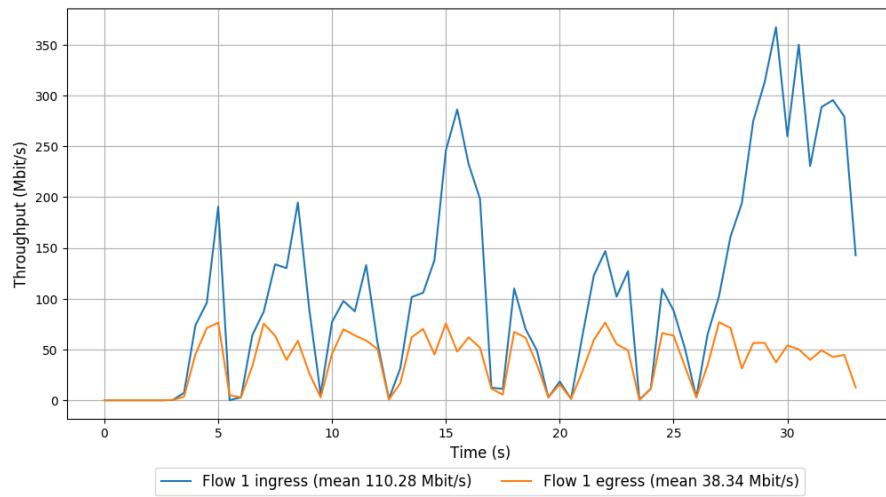


Run 8: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 13:10:10 +0000
End at: Tue, 13 Jun 2017 13:10:40 +0000
Local clock offset: 2.562 ms
Remote clock offset: -2.008 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 73.218 ms
Loss rate: 65.30%
-- Flow 1:
Average throughput: 38.34 Mbit/s
95th percentile per-packet one-way delay: 73.218 ms
Loss rate: 65.30%
```

Run 8: Report of Verus — Data Link

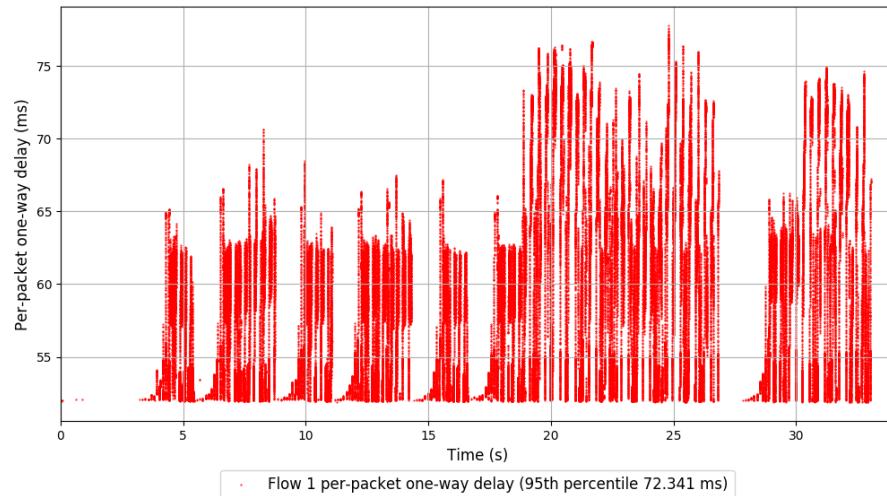
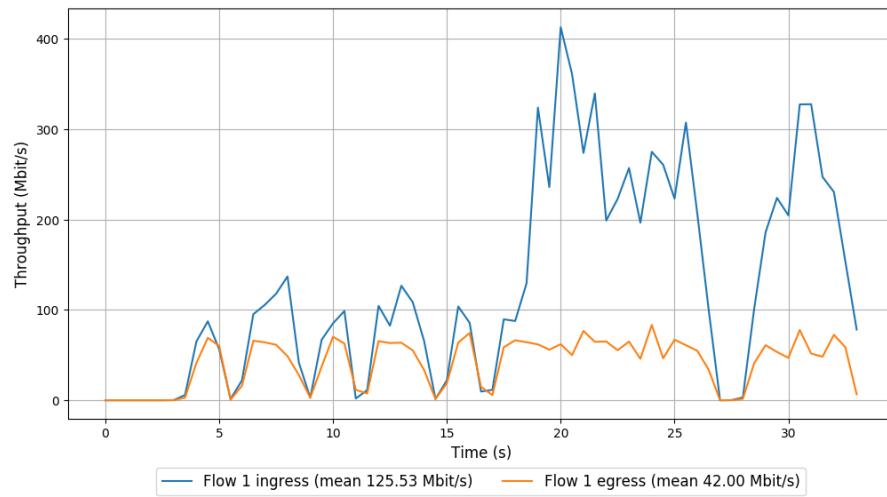


Run 9: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 13:30:11 +0000
End at: Tue, 13 Jun 2017 13:30:41 +0000
Local clock offset: 1.964 ms
Remote clock offset: -4.047 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 72.341 ms
Loss rate: 66.67%
-- Flow 1:
Average throughput: 42.00 Mbit/s
95th percentile per-packet one-way delay: 72.341 ms
Loss rate: 66.67%
```

Run 9: Report of Verus — Data Link

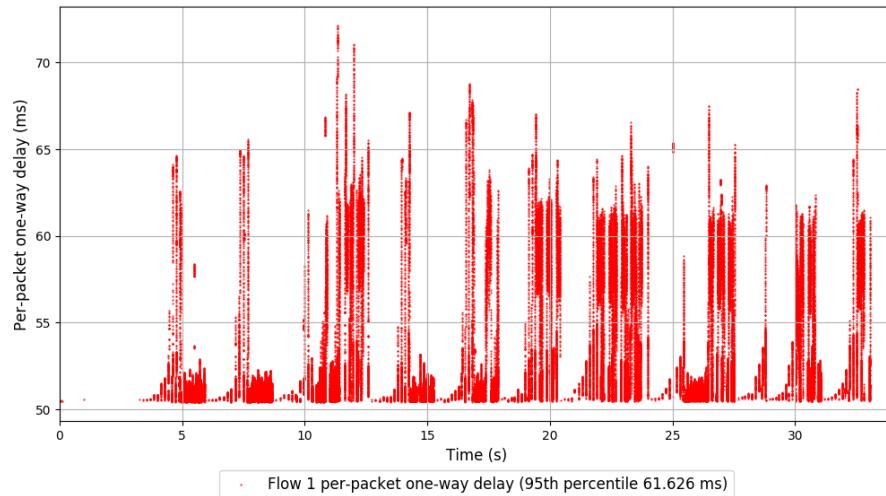
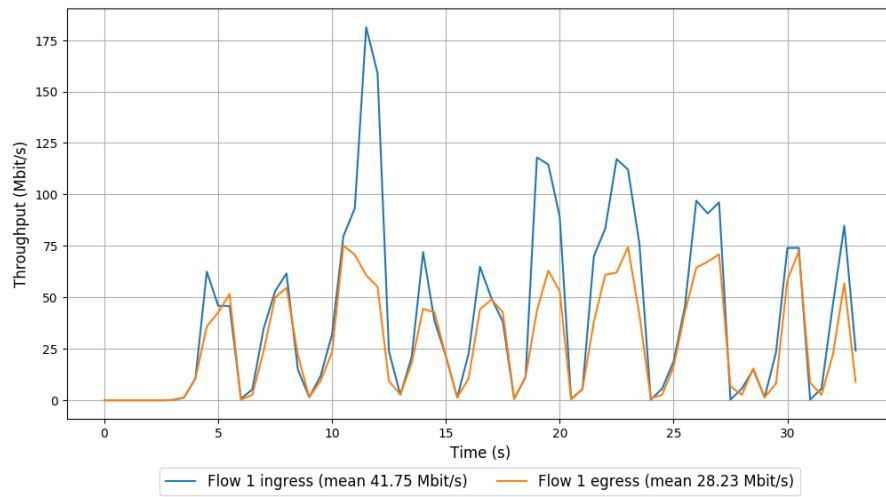


Run 10: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 13:50:16 +0000
End at: Tue, 13 Jun 2017 13:50:46 +0000
Local clock offset: 1.043 ms
Remote clock offset: -6.357 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 61.626 ms
Loss rate: 32.49%
-- Flow 1:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 61.626 ms
Loss rate: 32.49%
```

Run 10: Report of Verus — Data Link

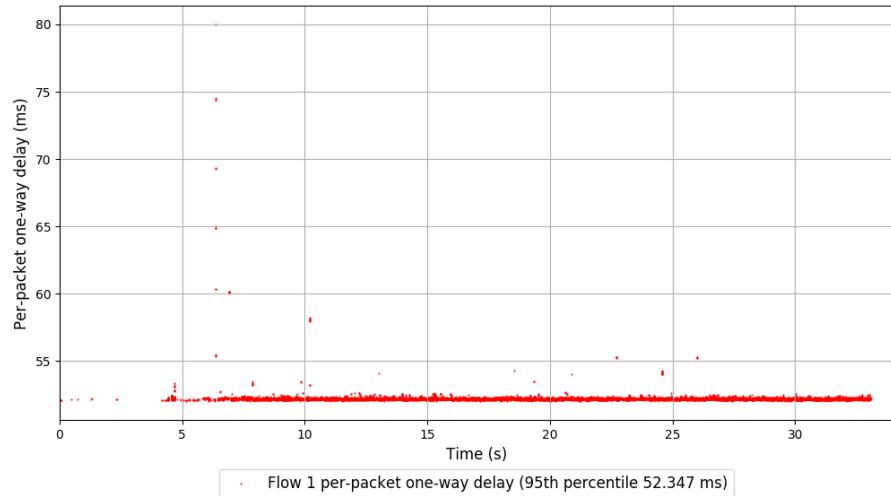
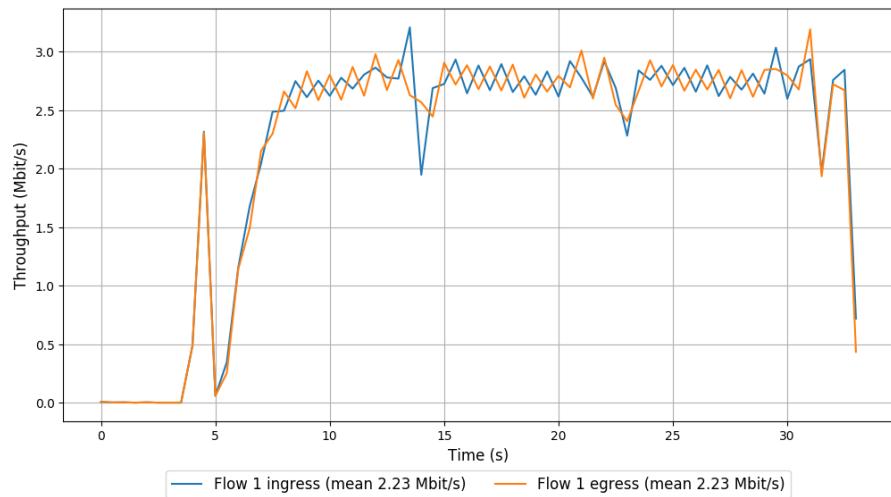


```
Run 1: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 10:51:08 +0000
End at: Tue, 13 Jun 2017 10:51:38 +0000
Local clock offset: 4.228 ms
Remote clock offset: -1.872 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 52.347 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 52.347 ms
Loss rate: 0.46%
```

Run 1: Report of WebRTC media — Data Link

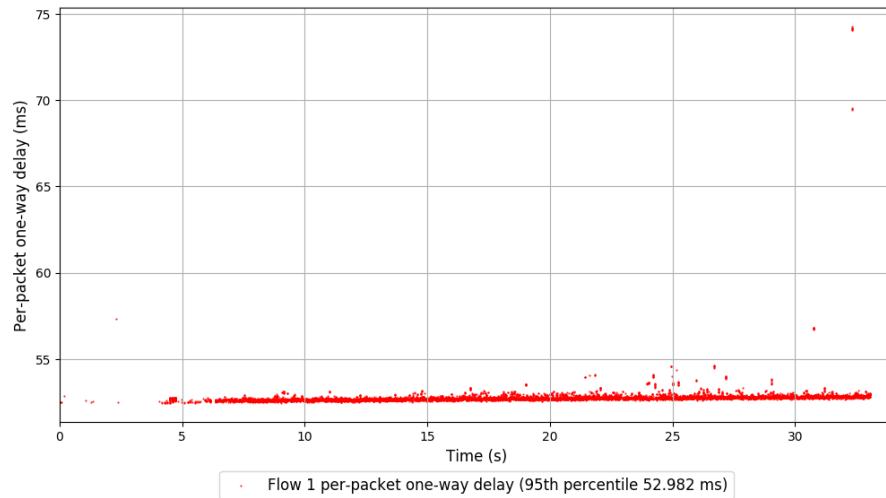
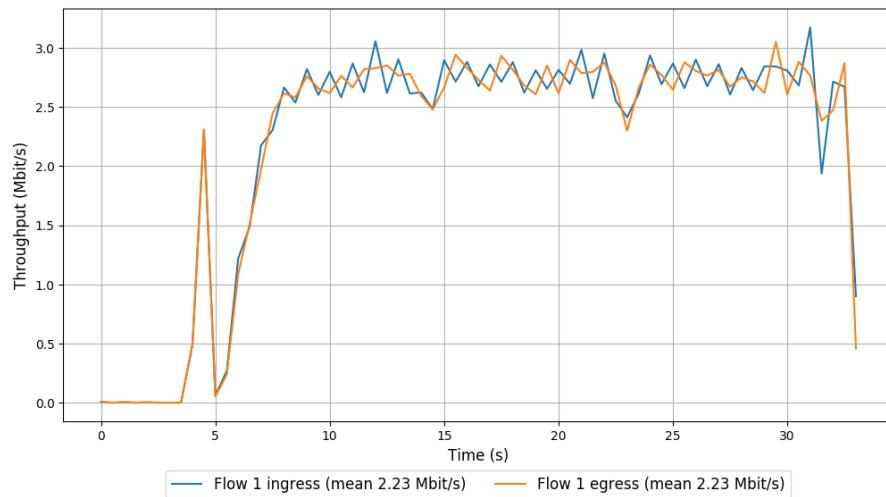


```
Run 2: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 11:10:42 +0000
End at: Tue, 13 Jun 2017 11:11:12 +0000
Local clock offset: 3.666 ms
Remote clock offset: -1.736 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 52.982 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 52.982 ms
Loss rate: 0.46%
```

Run 2: Report of WebRTC media — Data Link

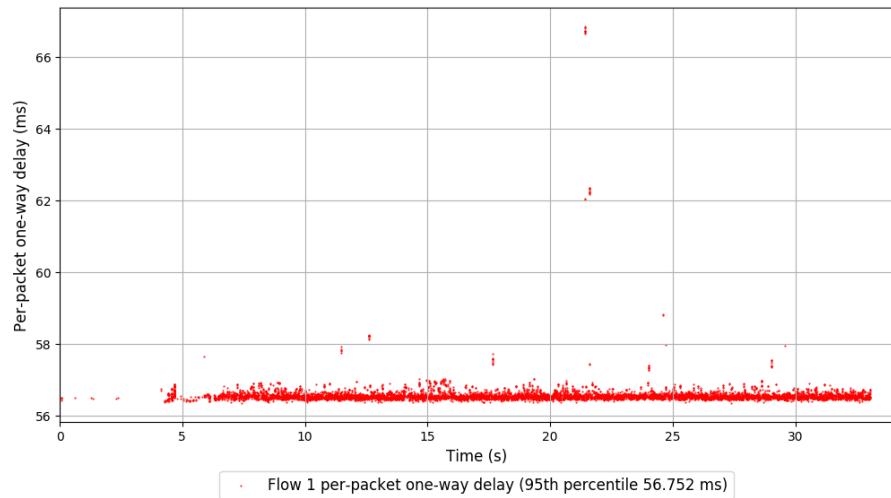
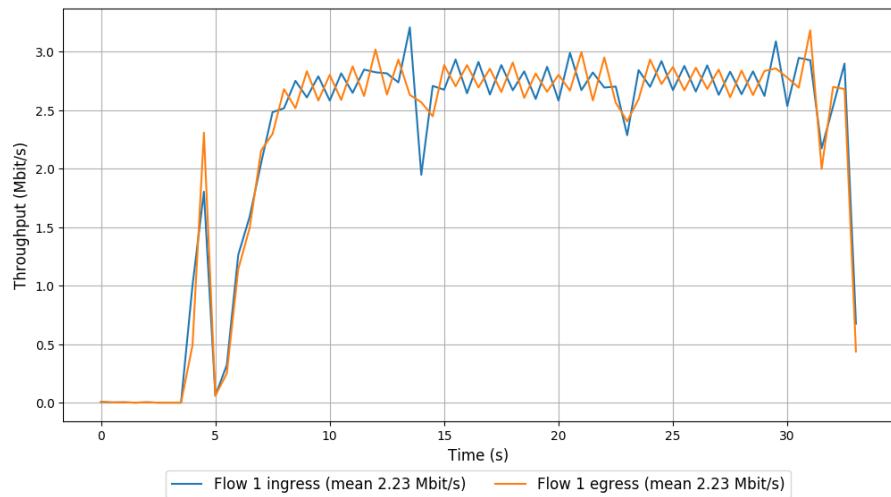


```
Run 3: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 11:30:23 +0000
End at: Tue, 13 Jun 2017 11:30:53 +0000
Local clock offset: -0.463 ms
Remote clock offset: -1.896 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 56.752 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 56.752 ms
Loss rate: 0.46%
```

Run 3: Report of WebRTC media — Data Link

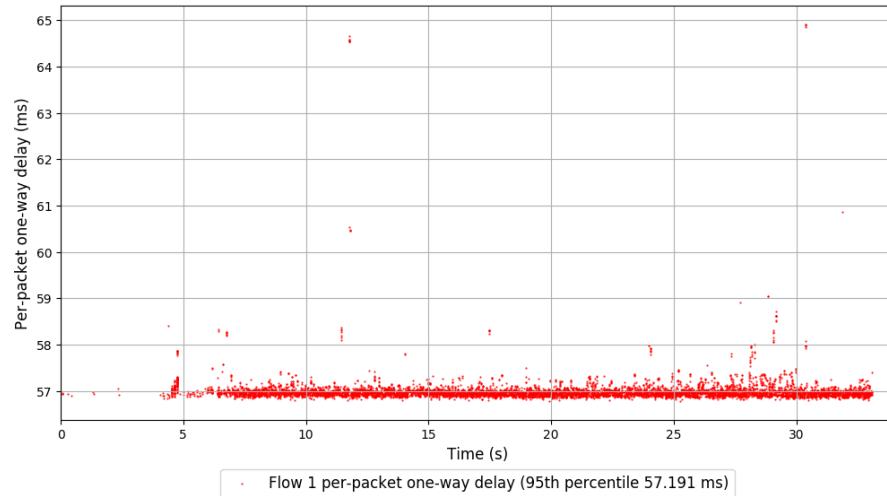
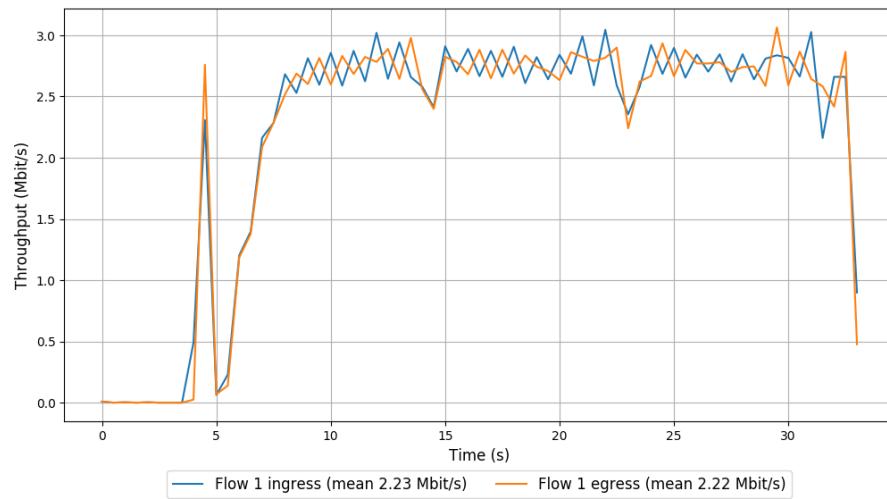


Run 4: Statistics of WebRTC media

```
Start at: Tue, 13 Jun 2017 11:50:03 +0000
End at: Tue, 13 Jun 2017 11:50:33 +0000
Local clock offset: -0.86 ms
Remote clock offset: -2.185 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 57.191 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 57.191 ms
Loss rate: 0.44%
```

Run 4: Report of WebRTC media — Data Link

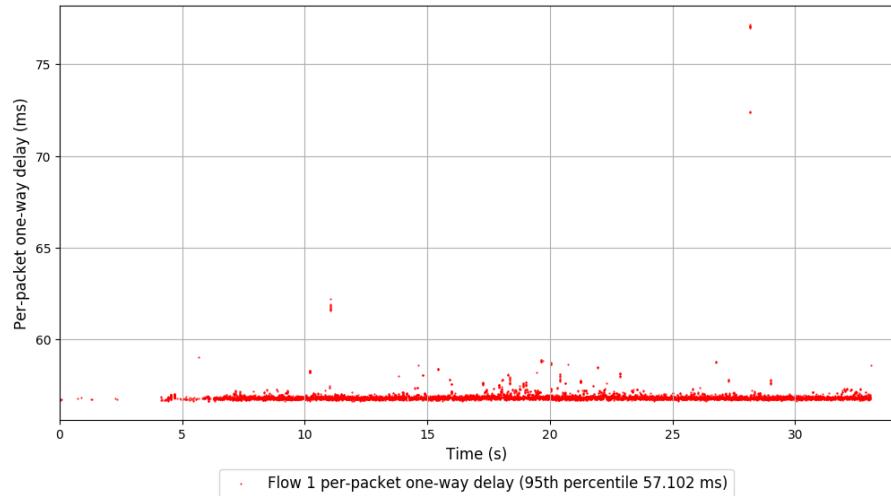
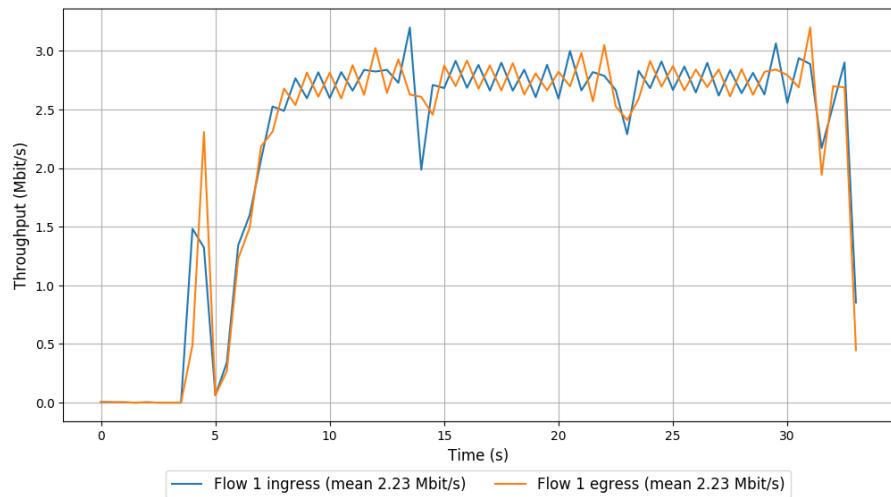


```
Run 5: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 12:09:47 +0000
End at: Tue, 13 Jun 2017 12:10:17 +0000
Local clock offset: -0.859 ms
Remote clock offset: -1.507 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 57.102 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 57.102 ms
Loss rate: 0.56%
```

Run 5: Report of WebRTC media — Data Link

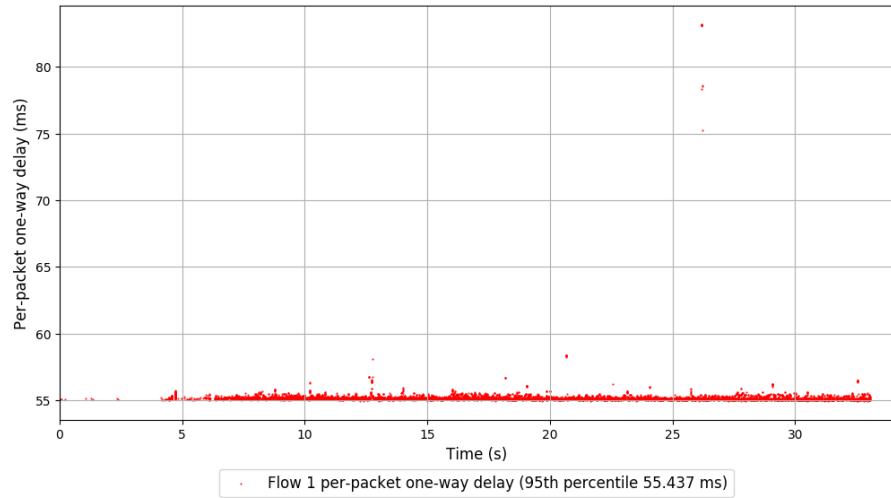
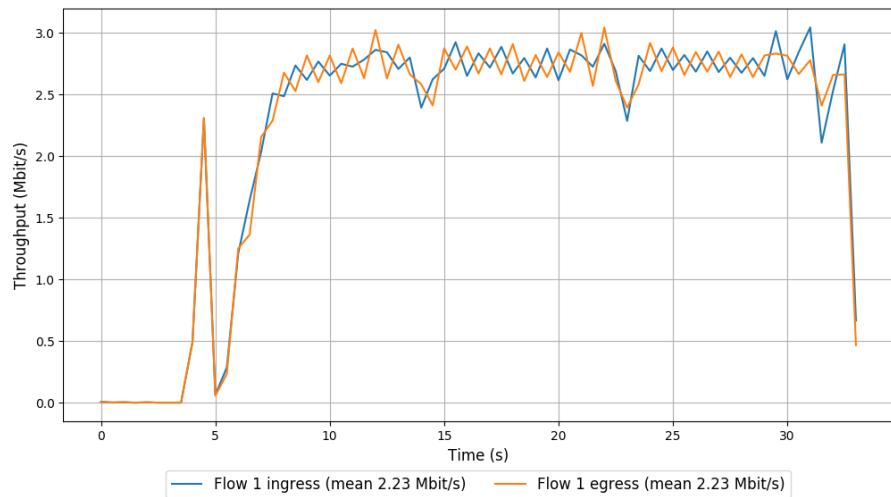


```
Run 6: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 12:29:19 +0000
End at: Tue, 13 Jun 2017 12:29:49 +0000
Local clock offset: 1.648 ms
Remote clock offset: -1.179 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 55.437 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 55.437 ms
Loss rate: 0.45%
```

Run 6: Report of WebRTC media — Data Link

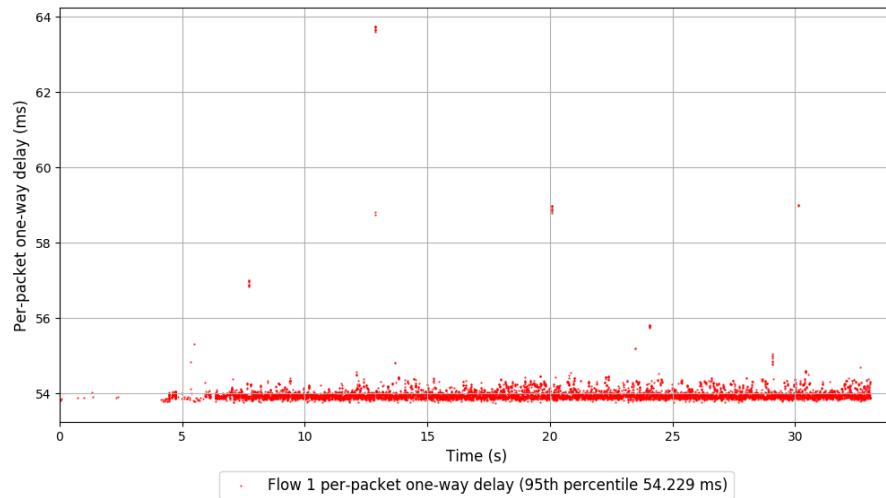
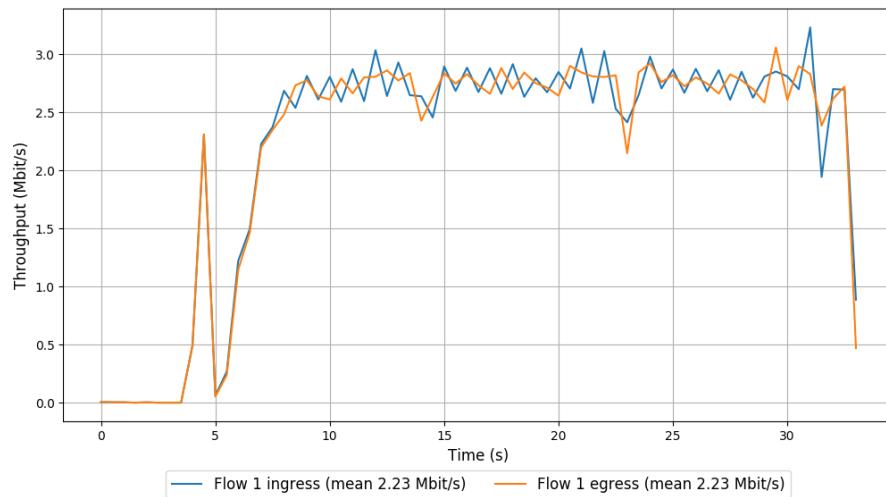


```
Run 7: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 12:49:10 +0000
End at: Tue, 13 Jun 2017 12:49:40 +0000
Local clock offset: 2.13 ms
Remote clock offset: -1.864 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 54.229 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 54.229 ms
Loss rate: 0.45%
```

Run 7: Report of WebRTC media — Data Link

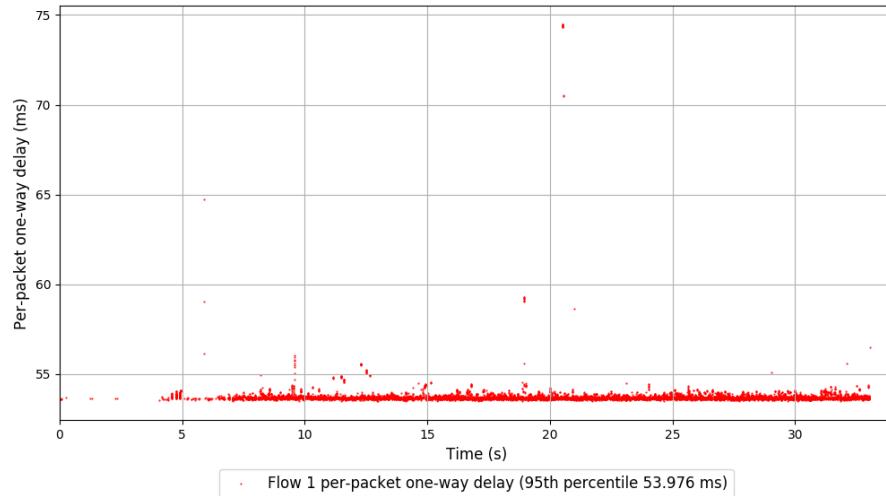
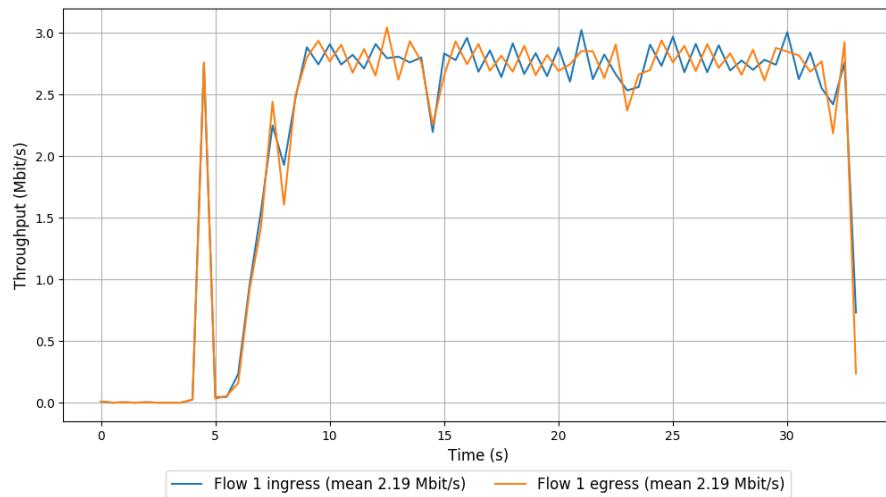


```
Run 8: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 13:08:54 +0000
End at: Tue, 13 Jun 2017 13:09:24 +0000
Local clock offset: 2.569 ms
Remote clock offset: -1.719 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 53.976 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 53.976 ms
Loss rate: 0.49%
```

Run 8: Report of WebRTC media — Data Link

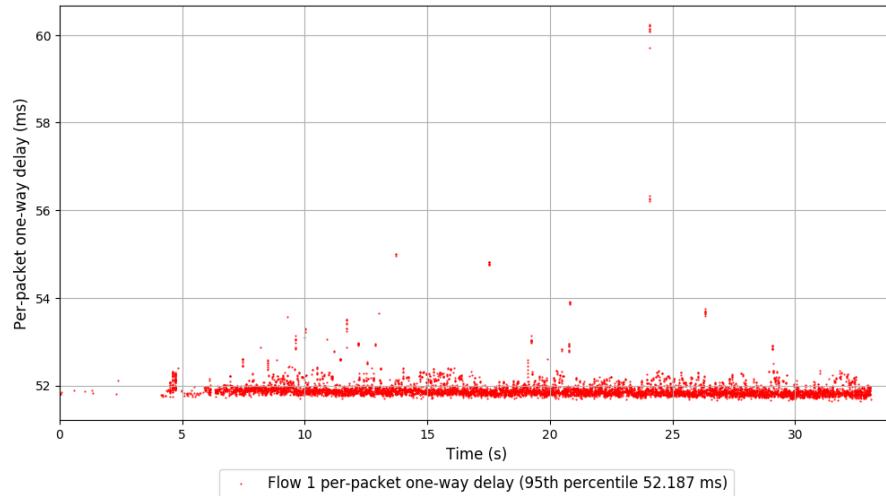
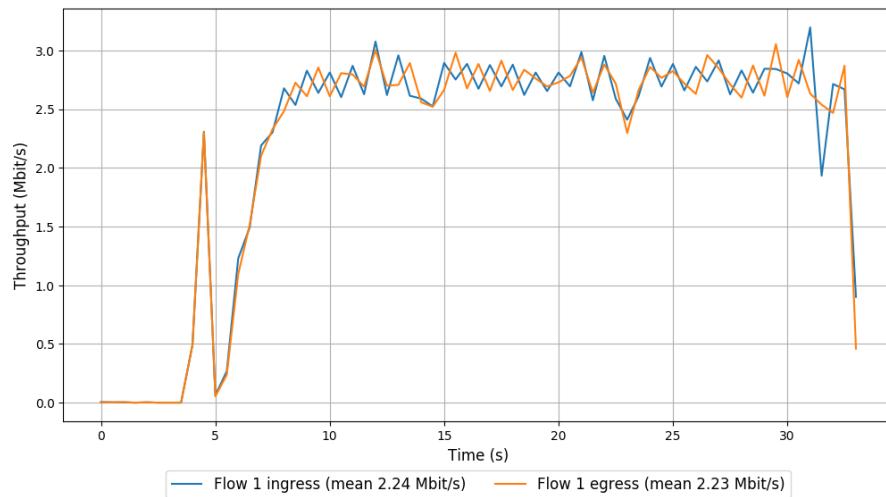


Run 9: Statistics of WebRTC media

```
Start at: Tue, 13 Jun 2017 13:28:56 +0000
End at: Tue, 13 Jun 2017 13:29:26 +0000
Local clock offset: 2.135 ms
Remote clock offset: -4.091 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 52.187 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 52.187 ms
Loss rate: 0.45%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 13:49:00 +0000
End at: Tue, 13 Jun 2017 13:49:30 +0000
Local clock offset: 1.078 ms
Remote clock offset: -6.728 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 14:53:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 50.805 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 50.805 ms
Loss rate: 0.59%
```

Run 10: Report of WebRTC media — Data Link

