

Pantheon Summary (Generated at Fri, 16 Jun 2017 05:36:15 +0000 with
pantheon version f1f579919e2382b18c1fb18b676e821e7efc0b62)

Repeated the test of 15 congestion control schemes 10 times.

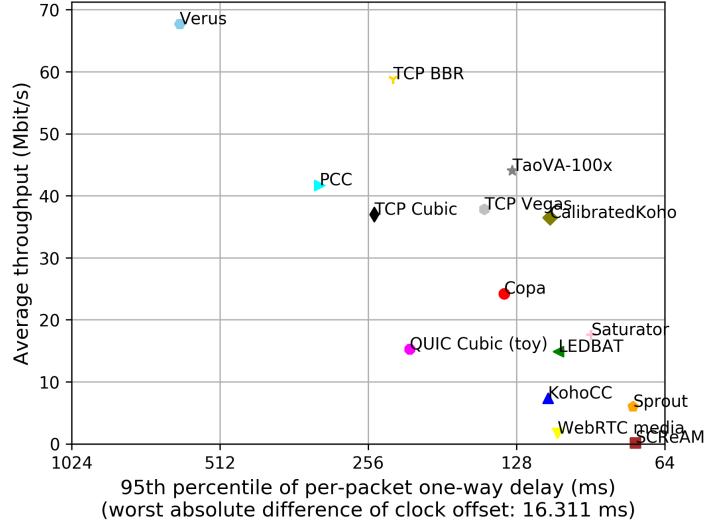
Each test lasted for 30 seconds running 1 flow.

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

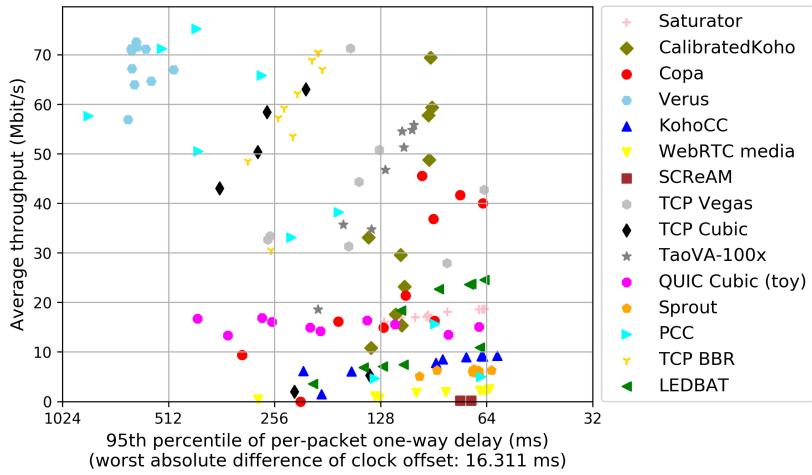
NTP offset measured against gps.ntp.br.

```
git branch: master @ f1f579919e2382b18c1fb18b676e821e7efc0b62
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ 4893799ab83a43fa2d3236507d168f461e1243ed
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/proto-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
```

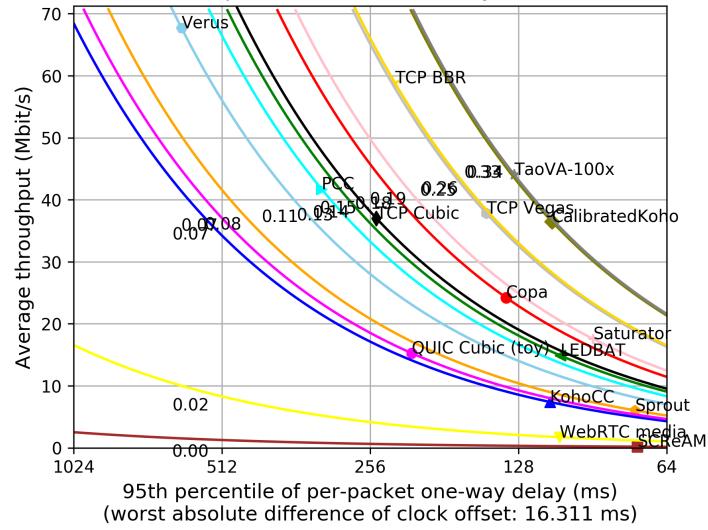
test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme
mean of all runs by scheme



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



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

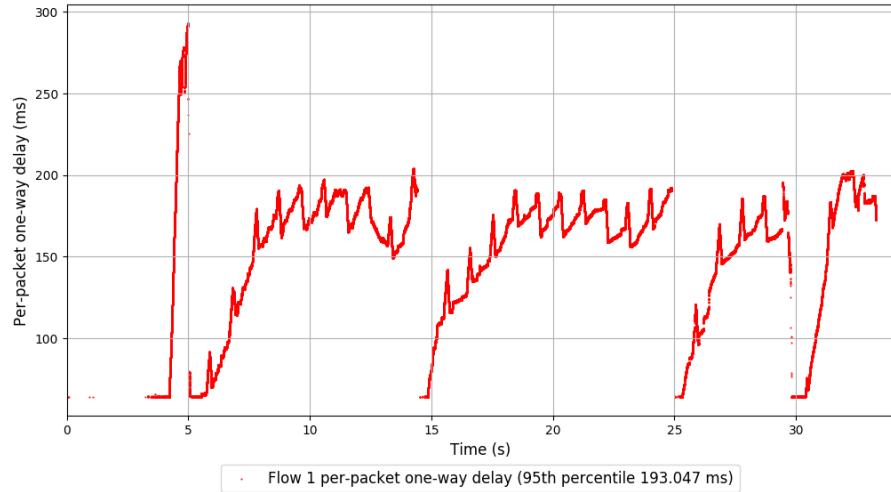
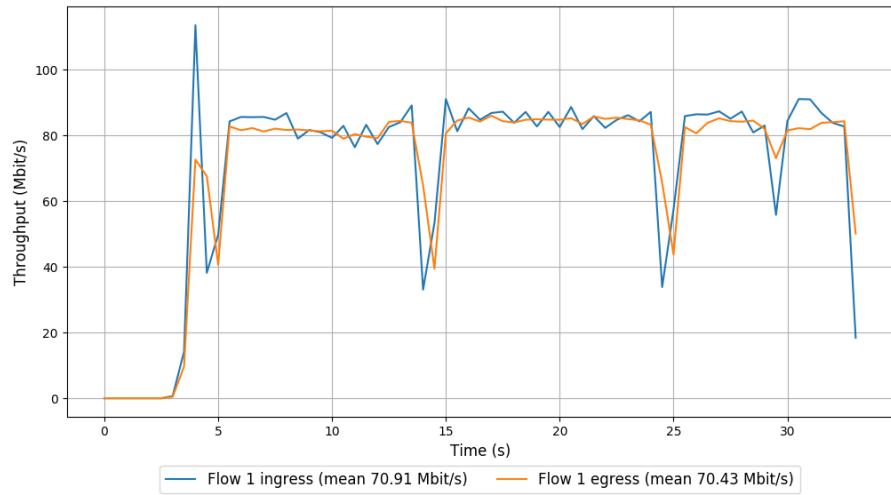


Run 1: Statistics of TCP BBR

```
Start at: Thu, 15 Jun 2017 23:22:21 +0000
End at: Thu, 15 Jun 2017 23:22:51 +0000
Local clock offset: 2.267 ms
Remote clock offset: -4.985 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:29:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.43 Mbit/s
95th percentile per-packet one-way delay: 193.047 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 70.43 Mbit/s
95th percentile per-packet one-way delay: 193.047 ms
Loss rate: 0.35%
```

Run 1: Report of TCP BBR — Data Link

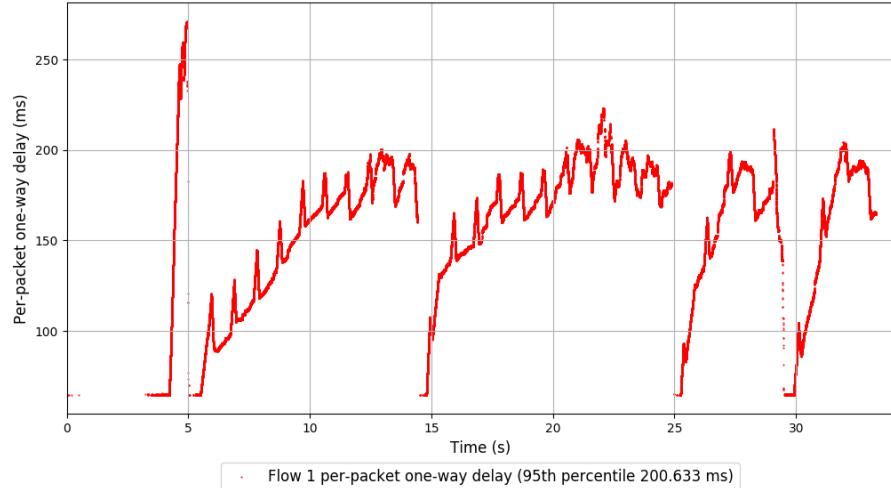
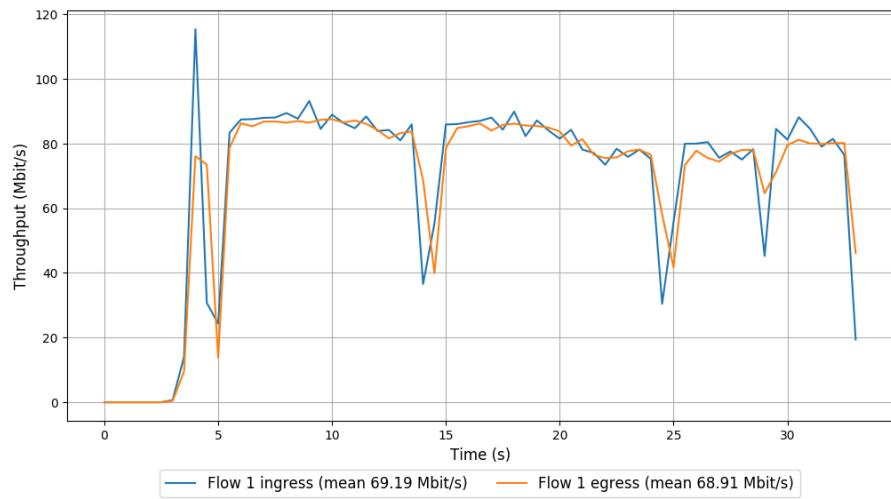


Run 2: Statistics of TCP BBR

```
Start at: Thu, 15 Jun 2017 23:39:51 +0000
End at: Thu, 15 Jun 2017 23:40:21 +0000
Local clock offset: 3.262 ms
Remote clock offset: -5.014 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:29:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.91 Mbit/s
95th percentile per-packet one-way delay: 200.633 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 68.91 Mbit/s
95th percentile per-packet one-way delay: 200.633 ms
Loss rate: 0.11%
```

Run 2: Report of TCP BBR — Data Link

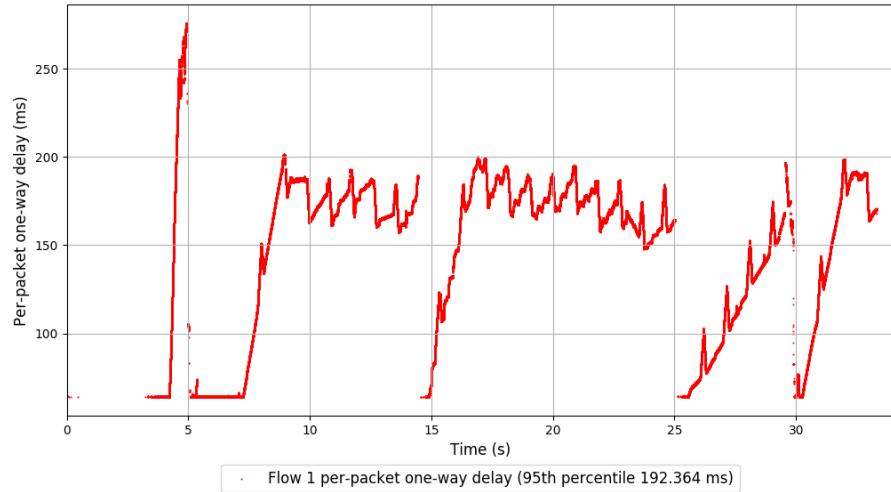
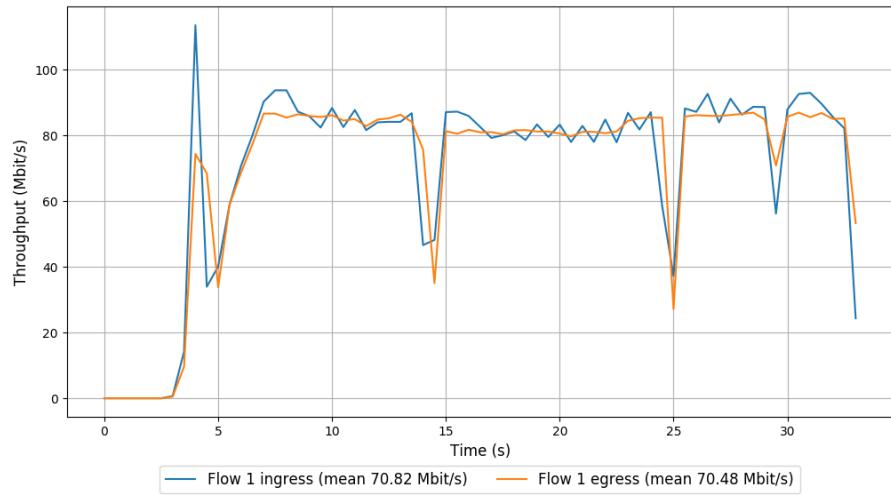


Run 3: Statistics of TCP BBR

```
Start at: Thu, 15 Jun 2017 23:57:21 +0000
End at: Thu, 15 Jun 2017 23:57:51 +0000
Local clock offset: 2.902 ms
Remote clock offset: -4.567 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.48 Mbit/s
95th percentile per-packet one-way delay: 192.364 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 70.48 Mbit/s
95th percentile per-packet one-way delay: 192.364 ms
Loss rate: 0.21%
```

Run 3: Report of TCP BBR — Data Link

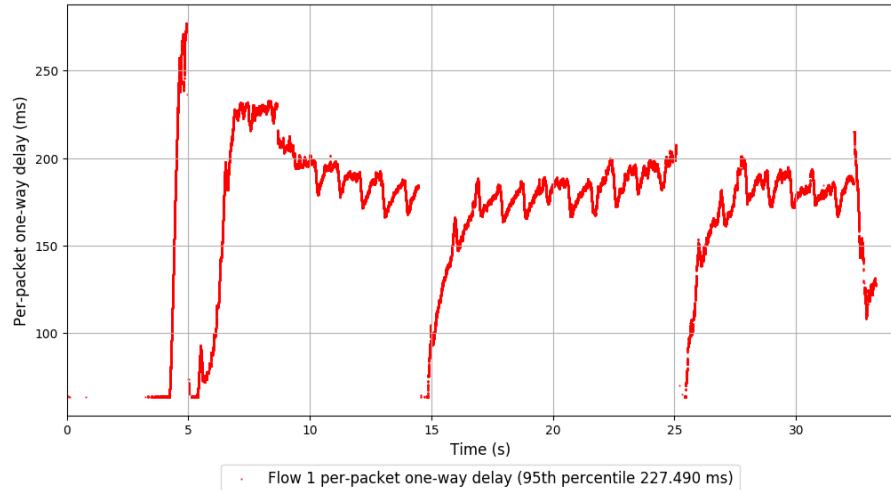
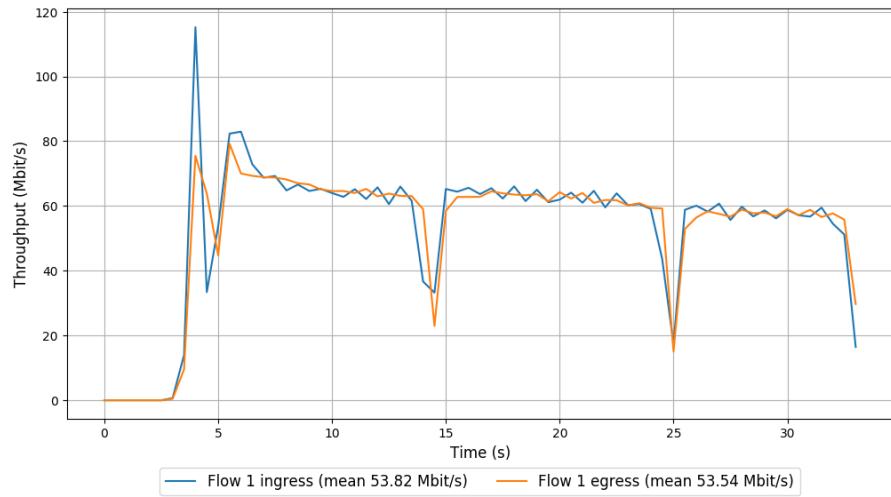


Run 4: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 00:14:48 +0000
End at: Fri, 16 Jun 2017 00:15:18 +0000
Local clock offset: 2.668 ms
Remote clock offset: -3.448 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 227.490 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 227.490 ms
Loss rate: 0.35%
```

Run 4: Report of TCP BBR — Data Link

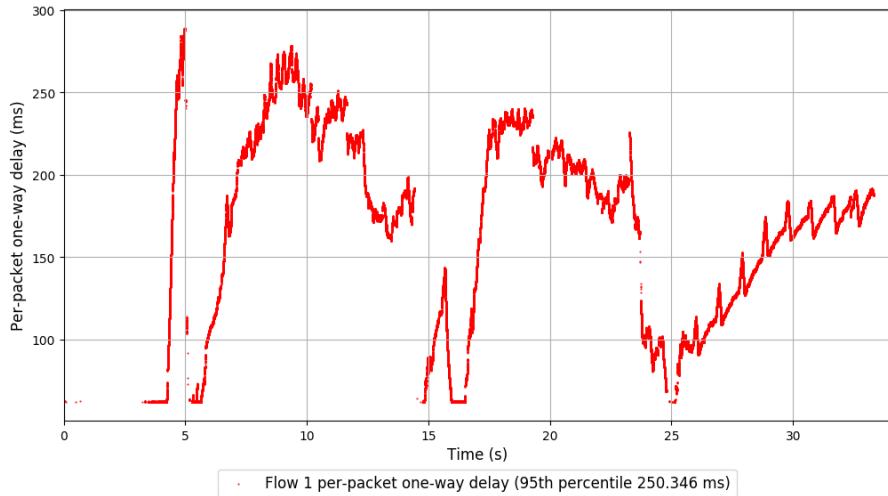
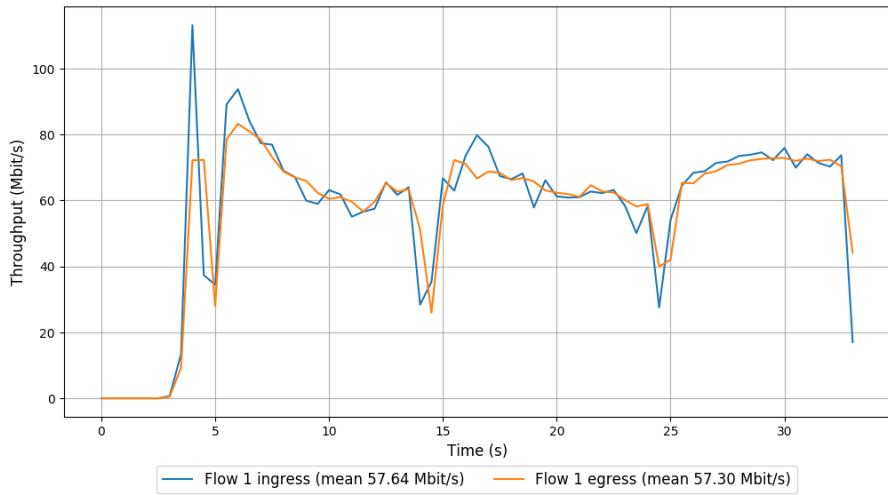


Run 5: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 00:31:57 +0000
End at: Fri, 16 Jun 2017 00:32:27 +0000
Local clock offset: 1.906 ms
Remote clock offset: -2.04 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.30 Mbit/s
95th percentile per-packet one-way delay: 250.346 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 57.30 Mbit/s
95th percentile per-packet one-way delay: 250.346 ms
Loss rate: 0.24%
```

Run 5: Report of TCP BBR — Data Link

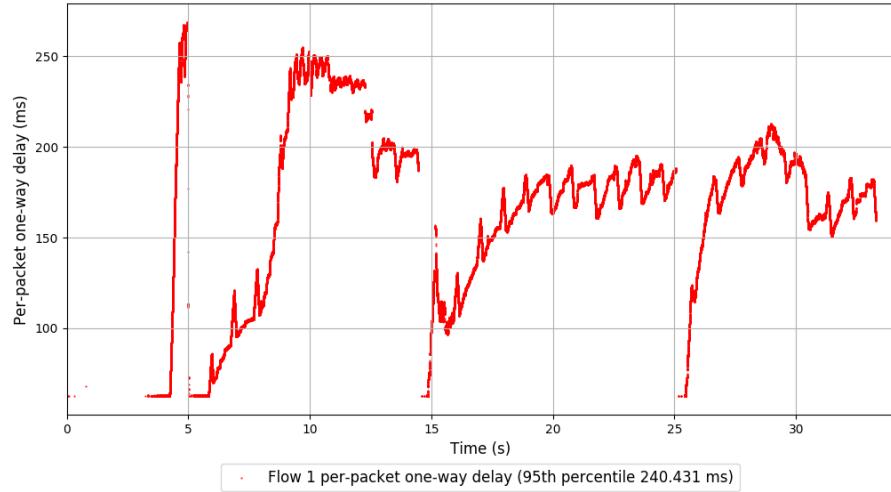
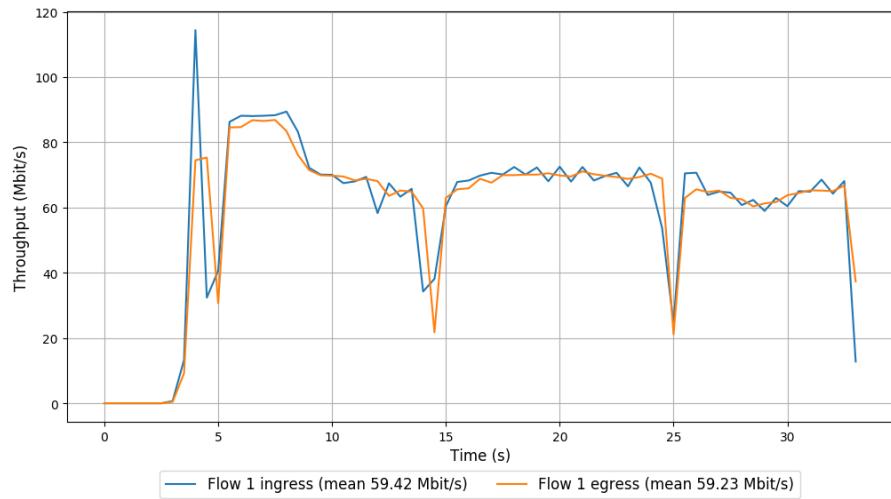


Run 6: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 00:49:35 +0000
End at: Fri, 16 Jun 2017 00:50:05 +0000
Local clock offset: 2.726 ms
Remote clock offset: -1.081 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 240.431 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 59.23 Mbit/s
95th percentile per-packet one-way delay: 240.431 ms
Loss rate: 0.05%
```

Run 6: Report of TCP BBR — Data Link

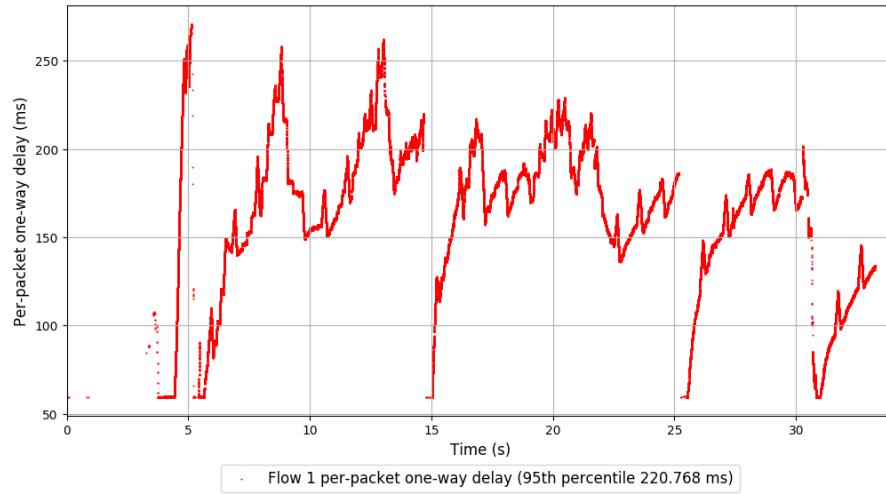
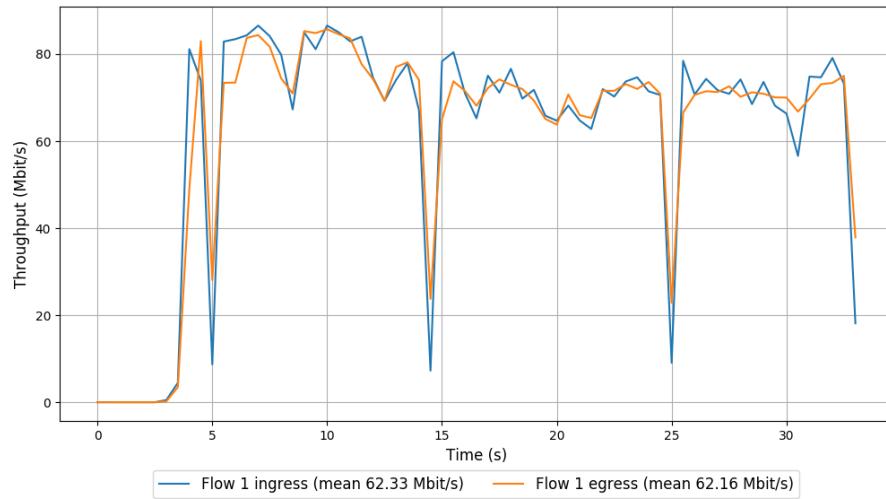


Run 7: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 01:06:50 +0000
End at: Fri, 16 Jun 2017 01:07:20 +0000
Local clock offset: 2.178 ms
Remote clock offset: -6.278 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 220.768 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 220.768 ms
Loss rate: 0.05%
```

Run 7: Report of TCP BBR — Data Link

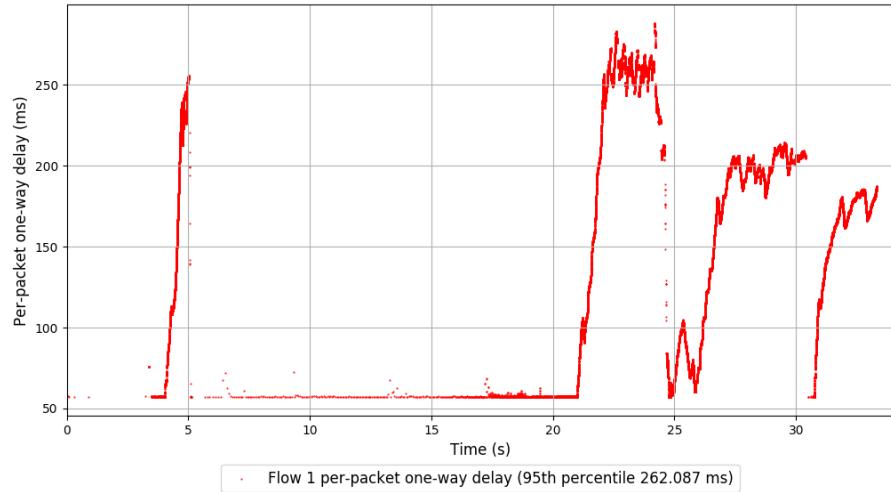
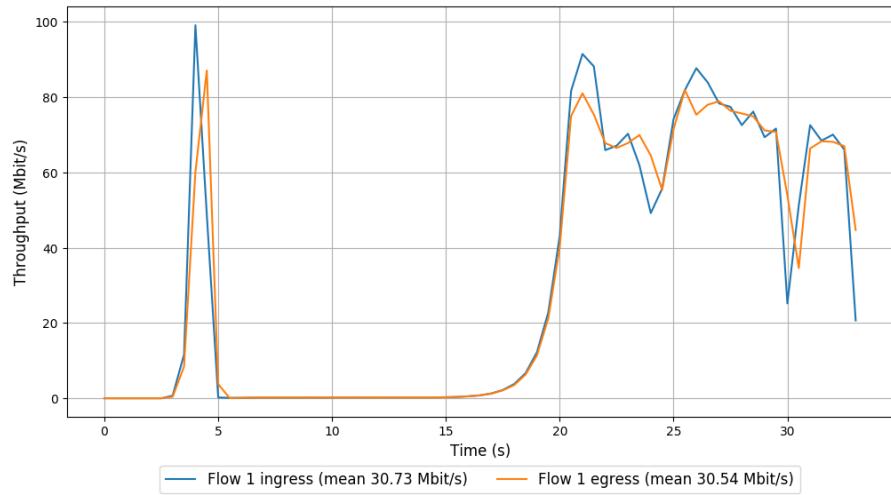


Run 8: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 01:24:26 +0000
End at: Fri, 16 Jun 2017 01:24:56 +0000
Local clock offset: 0.042 ms
Remote clock offset: 0.28 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 262.087 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 30.54 Mbit/s
95th percentile per-packet one-way delay: 262.087 ms
Loss rate: 0.25%
```

Run 8: Report of TCP BBR — Data Link

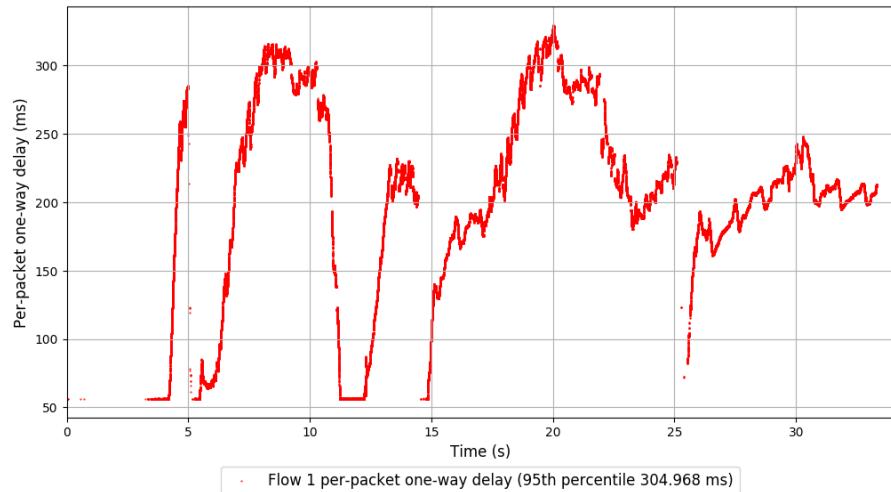
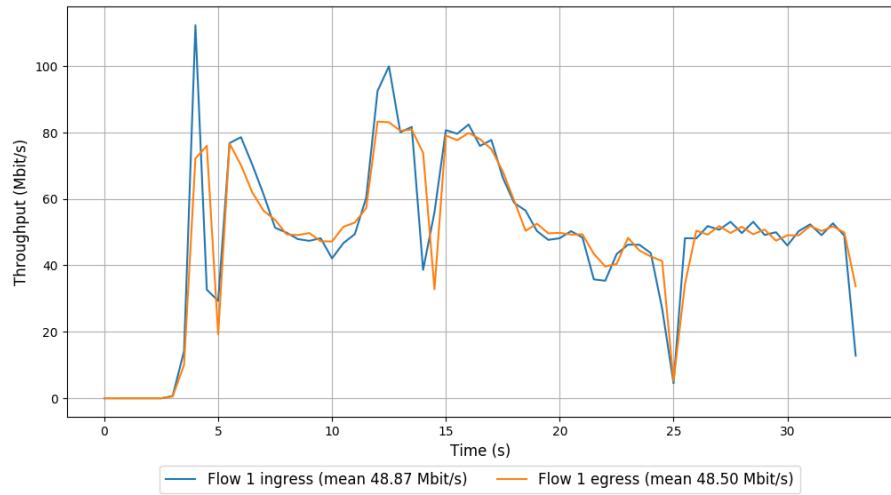


Run 9: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 01:41:58 +0000
End at: Fri, 16 Jun 2017 01:42:28 +0000
Local clock offset: -0.554 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 304.968 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 48.50 Mbit/s
95th percentile per-packet one-way delay: 304.968 ms
Loss rate: 0.28%
```

Run 9: Report of TCP BBR — Data Link

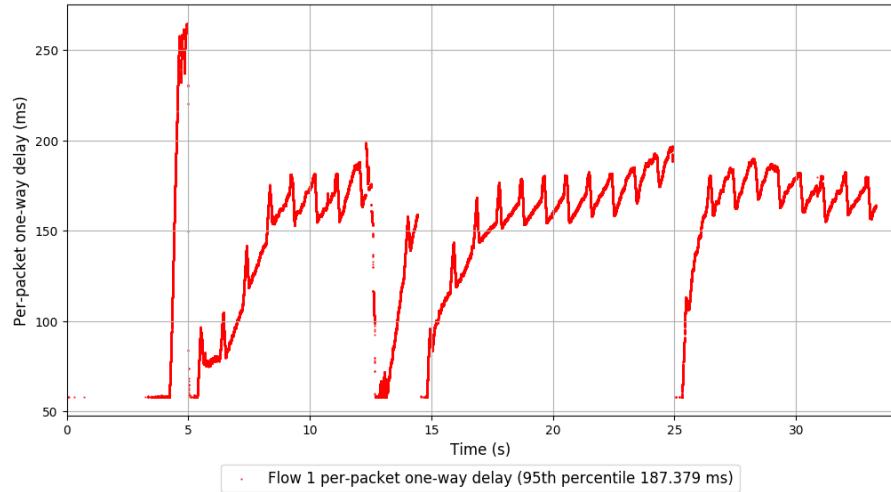
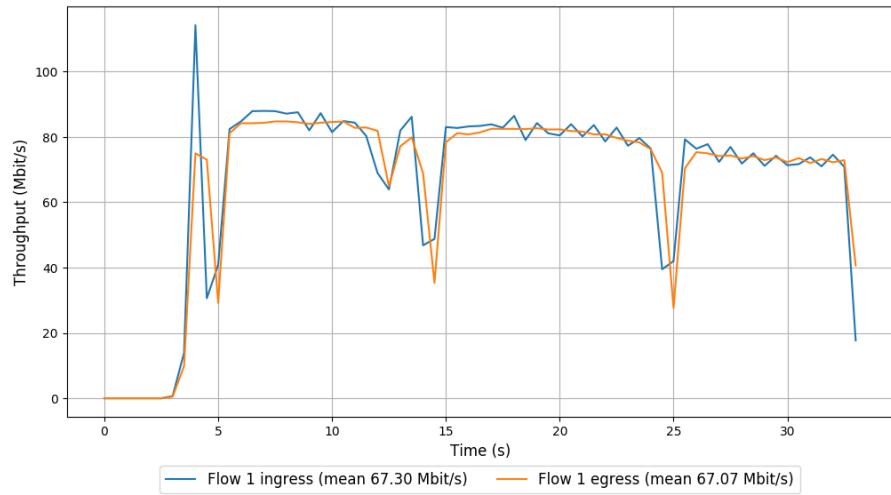


Run 10: Statistics of TCP BBR

```
Start at: Fri, 16 Jun 2017 01:59:08 +0000
End at: Fri, 16 Jun 2017 01:59:38 +0000
Local clock offset: 1.514 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.07 Mbit/s
95th percentile per-packet one-way delay: 187.379 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 67.07 Mbit/s
95th percentile per-packet one-way delay: 187.379 ms
Loss rate: 0.06%
```

Run 10: Report of TCP BBR — Data Link



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

```
Start at: Thu, 15 Jun 2017 23:21:08 +0000
```

```
End at: Thu, 15 Jun 2017 23:21:38 +0000
```

```
Local clock offset: 2.269 ms
```

```
Remote clock offset: -5.262 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:31 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 59.33 Mbit/s
```

```
95th percentile per-packet one-way delay: 91.568 ms
```

```
Loss rate: 0.96%
```

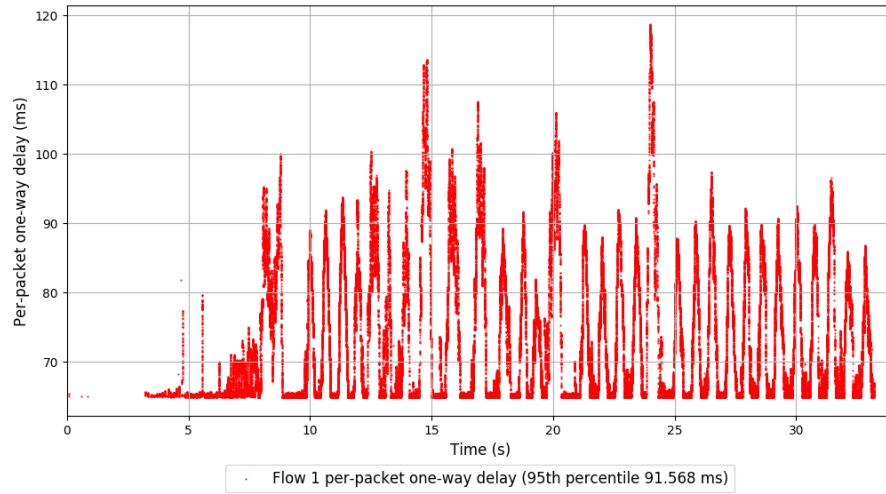
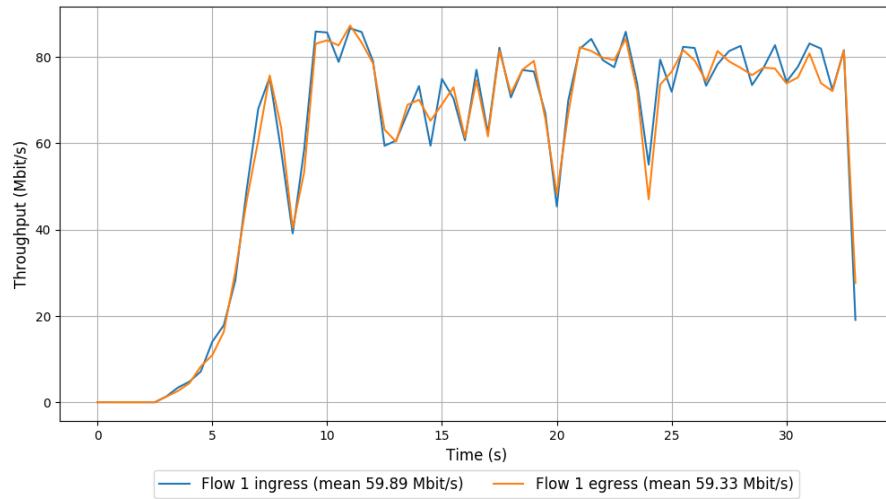
```
-- Flow 1:
```

```
Average throughput: 59.33 Mbit/s
```

```
95th percentile per-packet one-way delay: 91.568 ms
```

```
Loss rate: 0.96%
```

Run 1: Report of CalibratedKoho — Data Link



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

```
Start at: Thu, 15 Jun 2017 23:38:37 +0000
```

```
End at: Thu, 15 Jun 2017 23:39:07 +0000
```

```
Local clock offset: 3.342 ms
```

```
Remote clock offset: -4.815 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:36 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 69.42 Mbit/s
```

```
95th percentile per-packet one-way delay: 92.381 ms
```

```
Loss rate: 0.03%
```

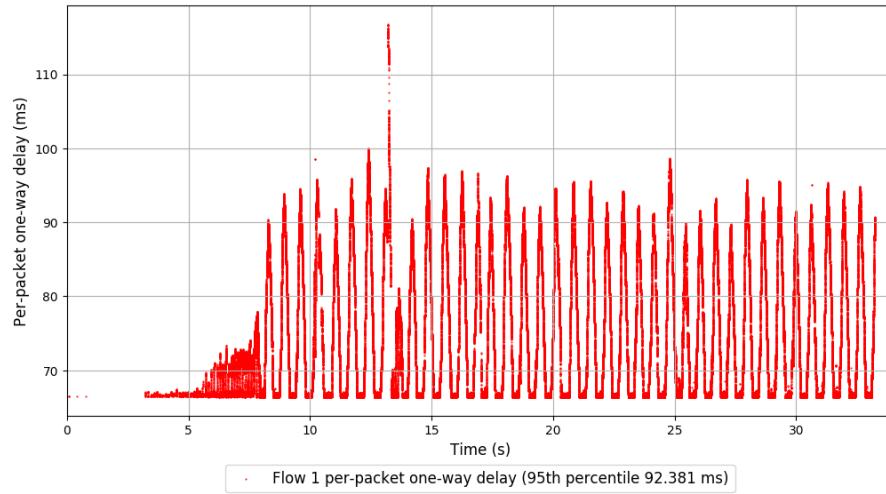
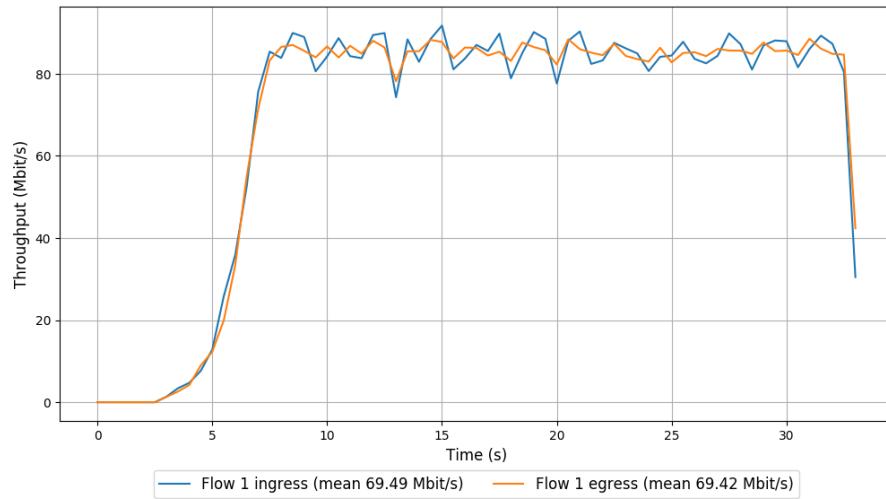
```
-- Flow 1:
```

```
Average throughput: 69.42 Mbit/s
```

```
95th percentile per-packet one-way delay: 92.381 ms
```

```
Loss rate: 0.03%
```

Run 2: Report of CalibratedKoho — Data Link

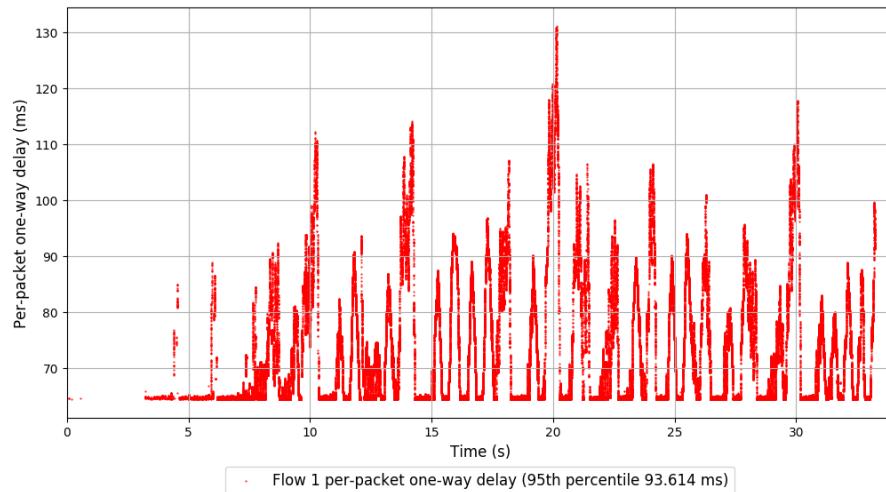
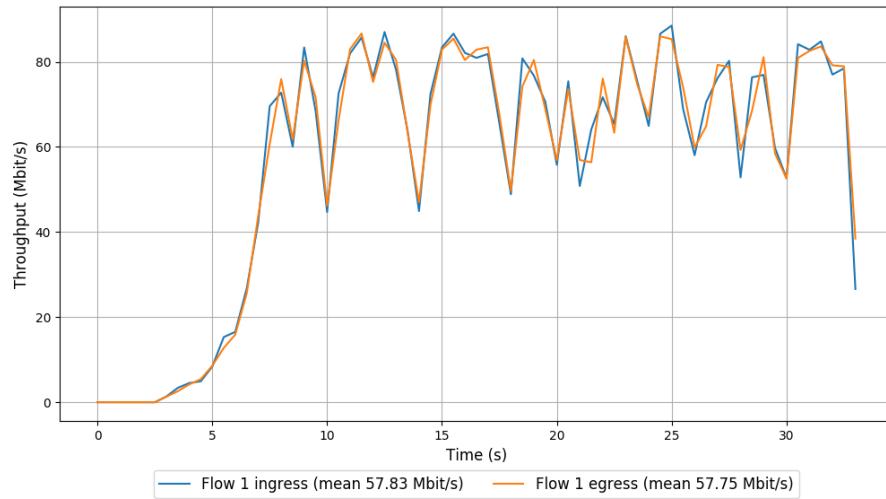


```
Run 3: Statistics of CalibratedKoho
```

```
Start at: Thu, 15 Jun 2017 23:56:08 +0000
End at: Thu, 15 Jun 2017 23:56:38 +0000
Local clock offset: 2.957 ms
Remote clock offset: -4.399 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 93.614 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 57.75 Mbit/s
95th percentile per-packet one-way delay: 93.614 ms
Loss rate: 0.06%
```

Run 3: Report of CalibratedKoho — Data Link



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

```
Start at: Fri, 16 Jun 2017 00:13:40 +0000
```

```
End at: Fri, 16 Jun 2017 00:14:10 +0000
```

```
Local clock offset: 2.734 ms
```

```
Remote clock offset: -3.487 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:43 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 17.57 Mbit/s
```

```
95th percentile per-packet one-way delay: 115.963 ms
```

```
Loss rate: 0.05%
```

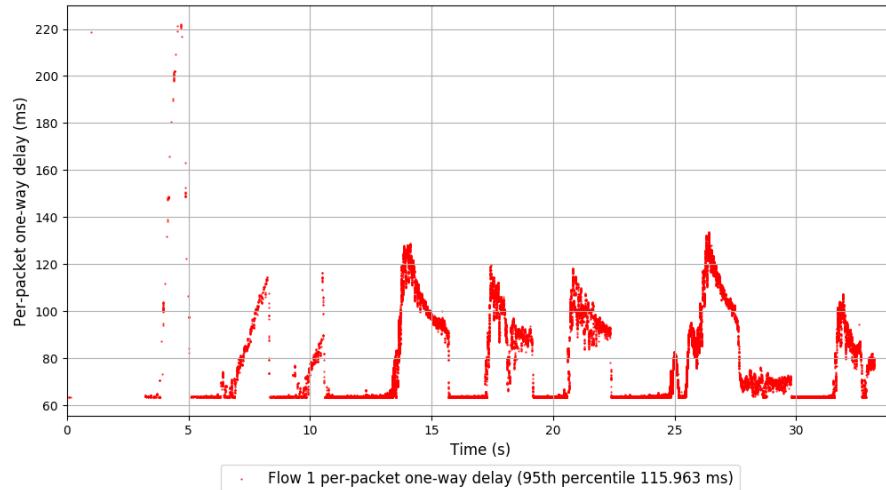
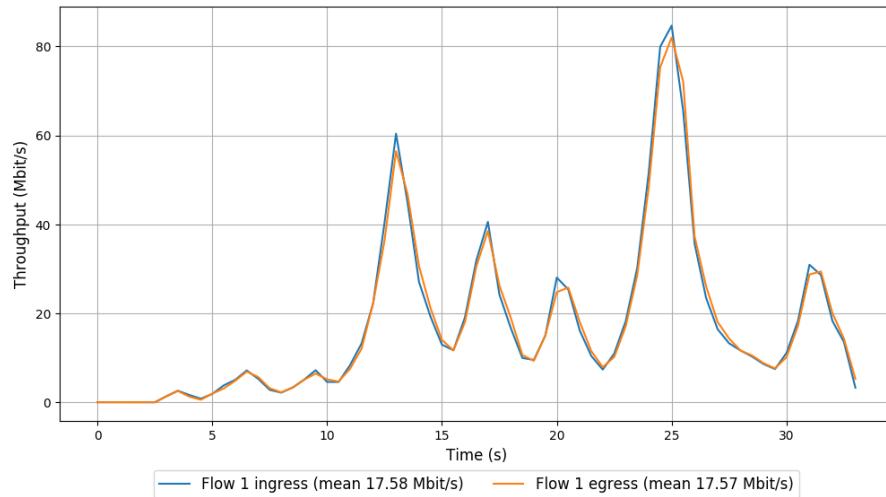
```
-- Flow 1:
```

```
Average throughput: 17.57 Mbit/s
```

```
95th percentile per-packet one-way delay: 115.963 ms
```

```
Loss rate: 0.05%
```

Run 4: Report of CalibratedKoho — Data Link



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

```
Start at: Fri, 16 Jun 2017 00:30:49 +0000
```

```
End at: Fri, 16 Jun 2017 00:31:19 +0000
```

```
Local clock offset: 1.876 ms
```

```
Remote clock offset: -3.069 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:43 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 15.34 Mbit/s
```

```
95th percentile per-packet one-way delay: 111.481 ms
```

```
Loss rate: 0.08%
```

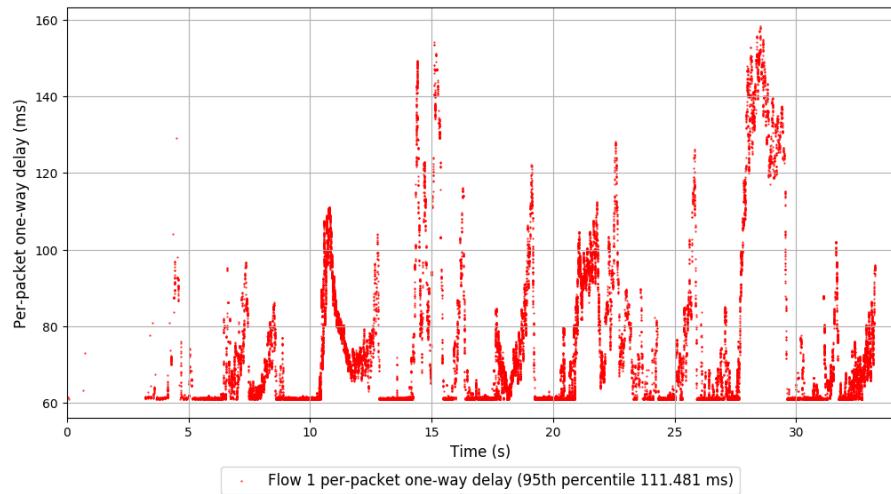
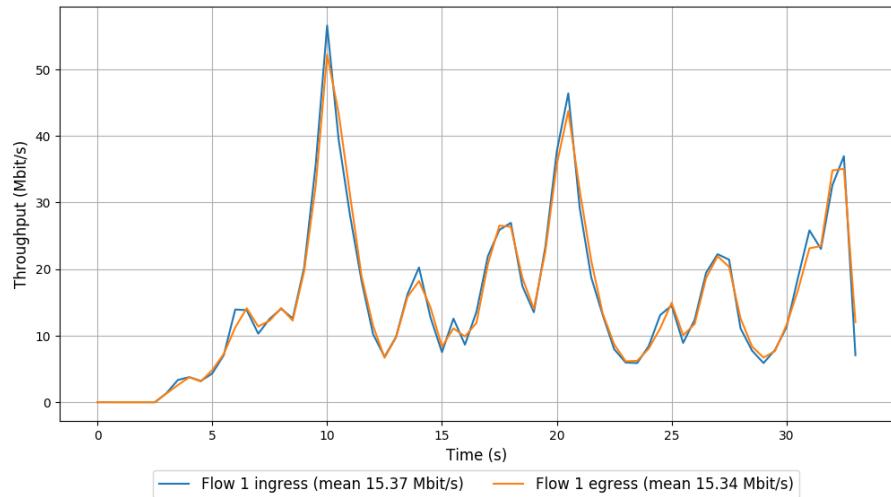
```
-- Flow 1:
```

```
Average throughput: 15.34 Mbit/s
```

```
95th percentile per-packet one-way delay: 111.481 ms
```

```
Loss rate: 0.08%
```

Run 5: Report of CalibratedKoho — Data Link



```
Run 6: Statistics of CalibratedKoho
```

```
Start at: Fri, 16 Jun 2017 00:48:19 +0000
```

```
End at: Fri, 16 Jun 2017 00:48:49 +0000
```

```
Local clock offset: 2.721 ms
```

```
Remote clock offset: -1.554 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:50 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 48.78 Mbit/s
```

```
95th percentile per-packet one-way delay: 93.176 ms
```

```
Loss rate: 0.03%
```

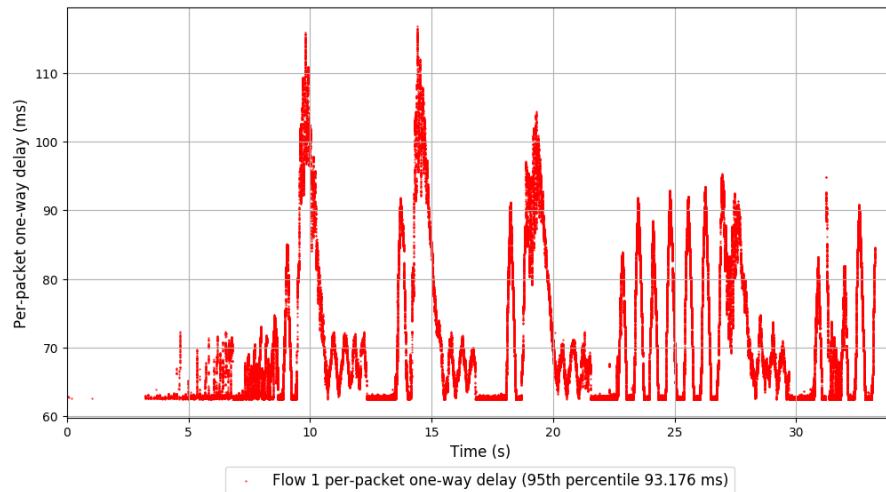
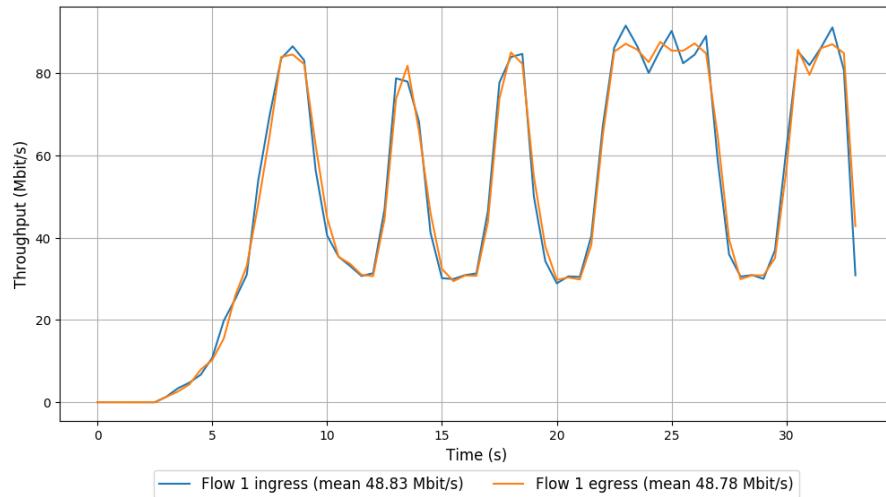
```
-- Flow 1:
```

```
Average throughput: 48.78 Mbit/s
```

```
95th percentile per-packet one-way delay: 93.176 ms
```

```
Loss rate: 0.03%
```

Run 6: Report of CalibratedKoho — Data Link



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

```
Start at: Fri, 16 Jun 2017 01:05:40 +0000
```

```
End at: Fri, 16 Jun 2017 01:06:10 +0000
```

```
Local clock offset: 2.222 ms
```

```
Remote clock offset: -0.655 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:50 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 29.61 Mbit/s
```

```
95th percentile per-packet one-way delay: 112.415 ms
```

```
Loss rate: 0.10%
```

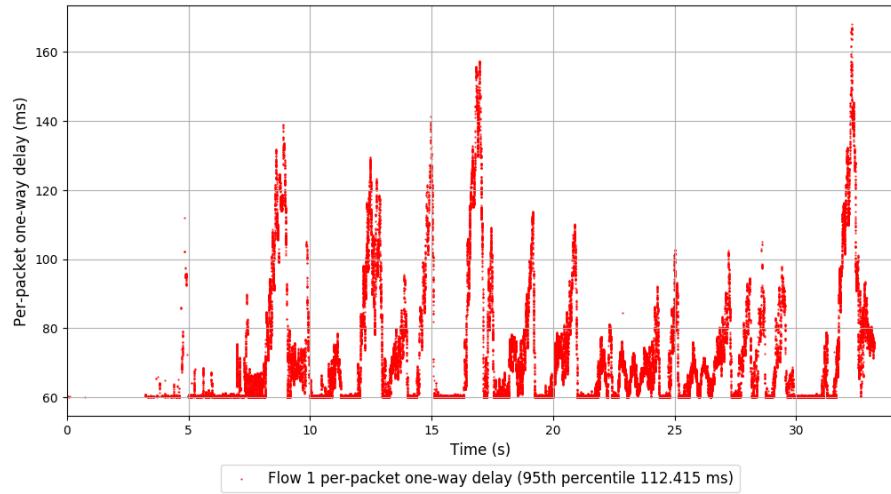
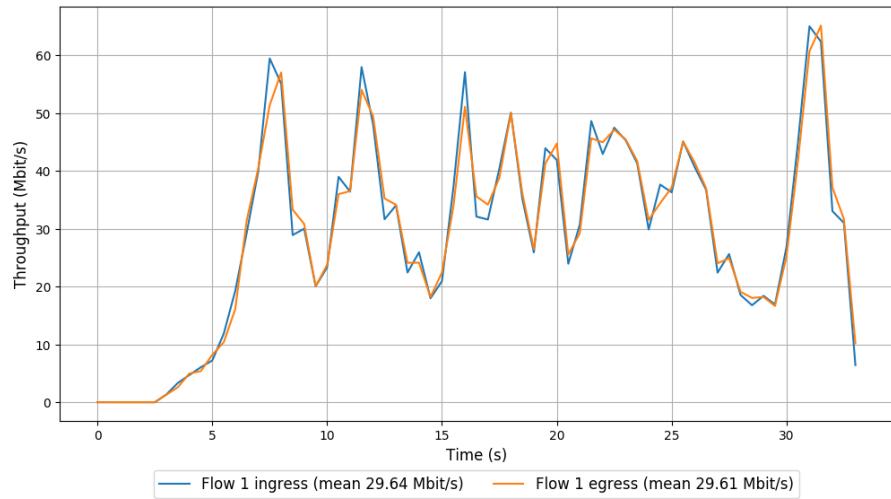
```
-- Flow 1:
```

```
Average throughput: 29.61 Mbit/s
```

```
95th percentile per-packet one-way delay: 112.415 ms
```

```
Loss rate: 0.10%
```

Run 7: Report of CalibratedKoho — Data Link

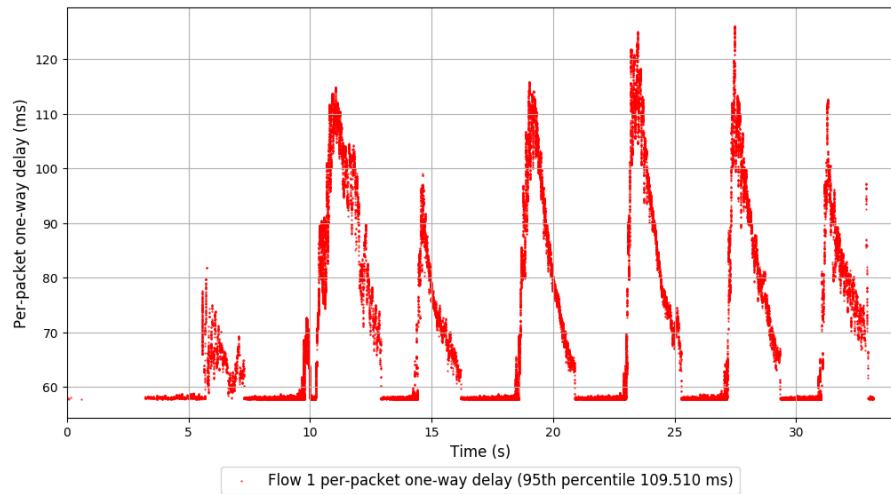
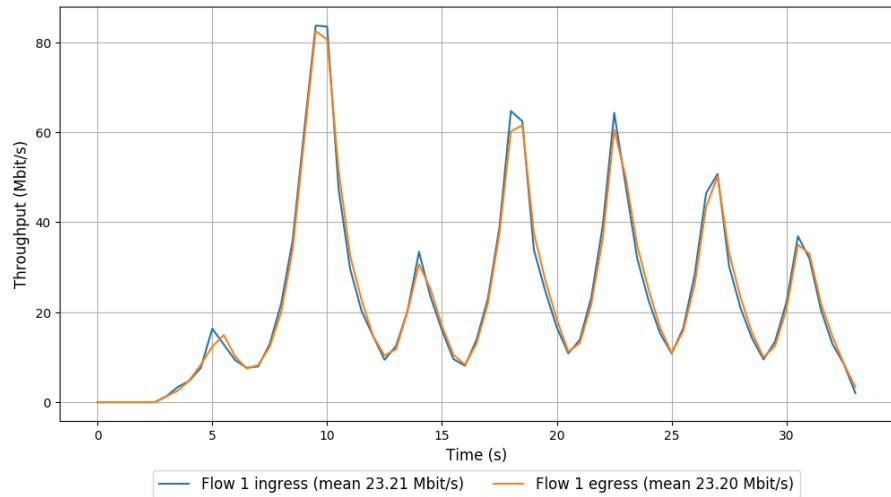


Run 8: Statistics of CalibratedKoho

```
Start at: Fri, 16 Jun 2017 01:23:17 +0000
End at: Fri, 16 Jun 2017 01:23:47 +0000
Local clock offset: 0.09 ms
Remote clock offset: -0.264 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 109.510 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 109.510 ms
Loss rate: 0.01%
```

Run 8: Report of CalibratedKoho — Data Link

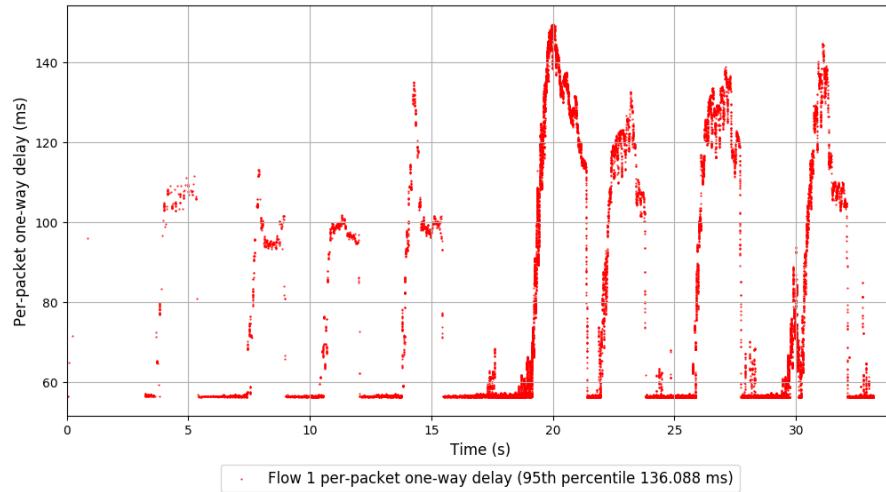
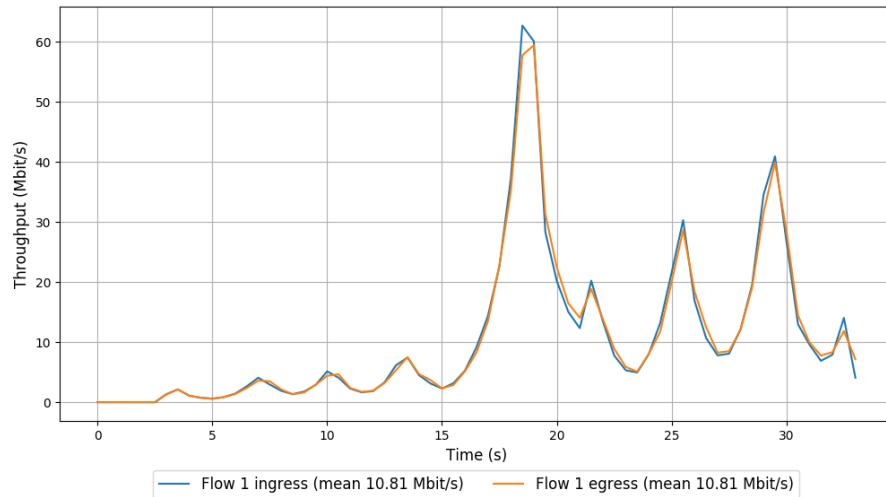


Run 9: Statistics of CalibratedKoho

```
Start at: Fri, 16 Jun 2017 01:40:48 +0000
End at: Fri, 16 Jun 2017 01:41:18 +0000
Local clock offset: -0.493 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 136.088 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.81 Mbit/s
95th percentile per-packet one-way delay: 136.088 ms
Loss rate: 0.00%
```

Run 9: Report of CalibratedKoho — Data Link

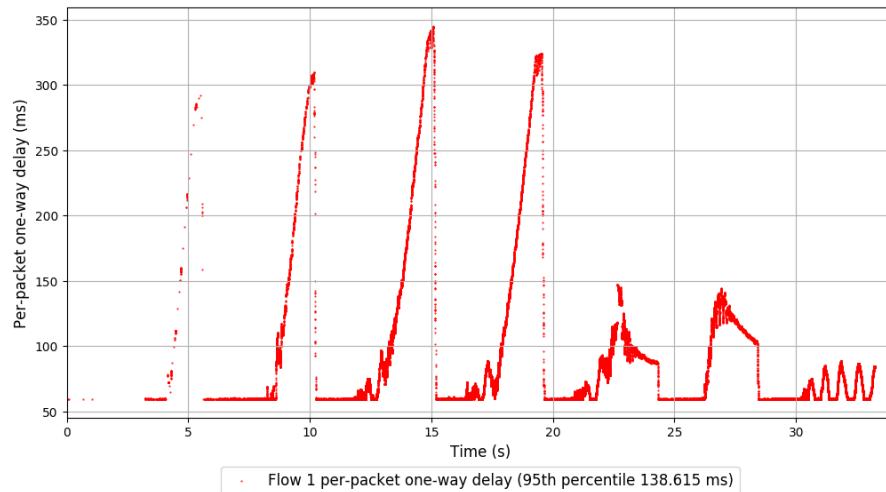
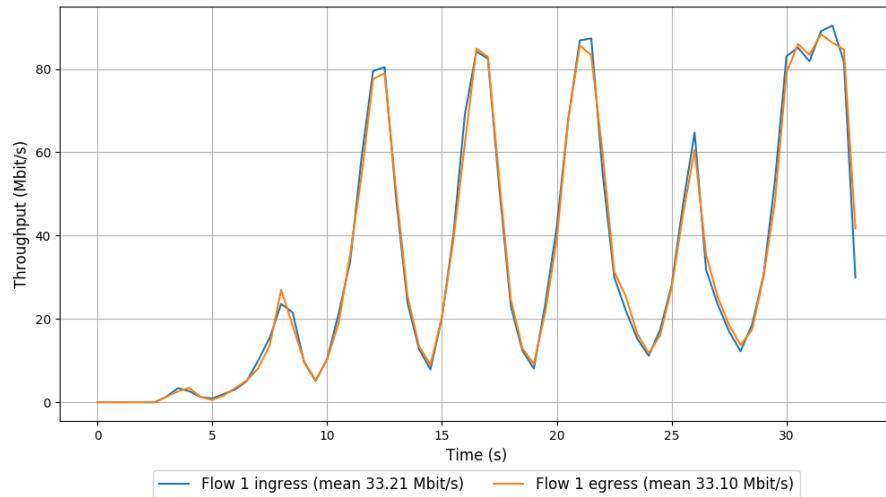


```
Run 10: Statistics of CalibratedKoho

Start at: Fri, 16 Jun 2017 01:57:58 +0000
End at: Fri, 16 Jun 2017 01:58:28 +0000
Local clock offset: 1.496 ms
Remote clock offset: 0.259 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:30:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.10 Mbit/s
95th percentile per-packet one-way delay: 138.615 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 33.10 Mbit/s
95th percentile per-packet one-way delay: 138.615 ms
Loss rate: 0.26%
```

Run 10: Report of CalibratedKoho — Data Link

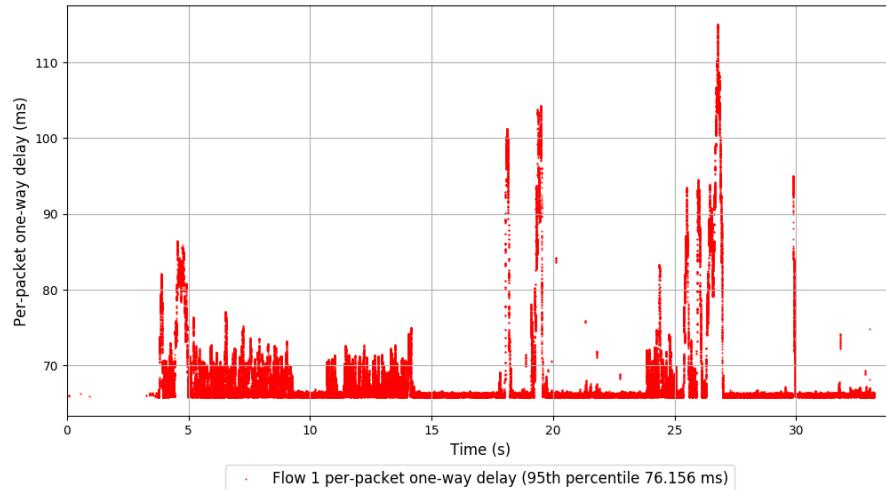
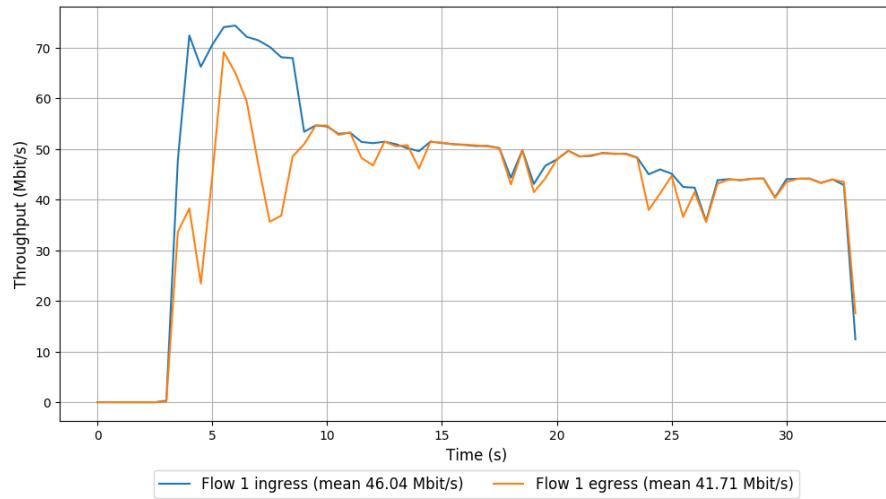


Run 1: Statistics of Copa

```
Start at: Thu, 15 Jun 2017 23:15:20 +0000
End at: Thu, 15 Jun 2017 23:15:50 +0000
Local clock offset: 2.304 ms
Remote clock offset: -4.782 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.71 Mbit/s
95th percentile per-packet one-way delay: 76.156 ms
Loss rate: 9.42%
-- Flow 1:
Average throughput: 41.71 Mbit/s
95th percentile per-packet one-way delay: 76.156 ms
Loss rate: 9.42%
```

Run 1: Report of Copa — Data Link

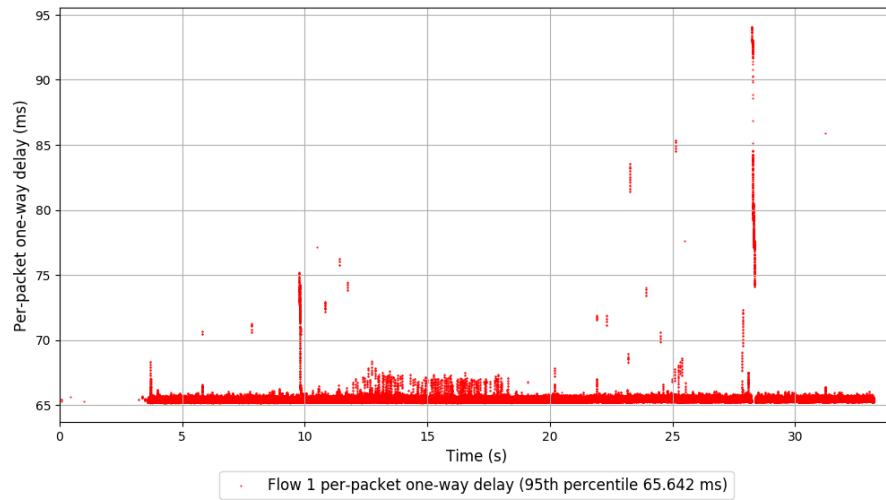
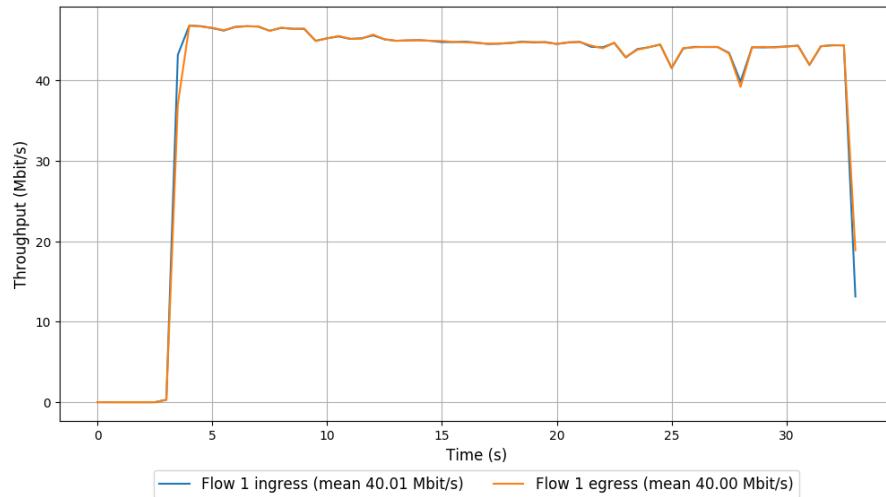


Run 2: Statistics of Copa

```
Start at: Thu, 15 Jun 2017 23:32:52 +0000
End at: Thu, 15 Jun 2017 23:33:22 +0000
Local clock offset: 2.806 ms
Remote clock offset: -5.234 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 65.642 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 40.00 Mbit/s
95th percentile per-packet one-way delay: 65.642 ms
Loss rate: 0.03%
```

Run 2: Report of Copa — Data Link

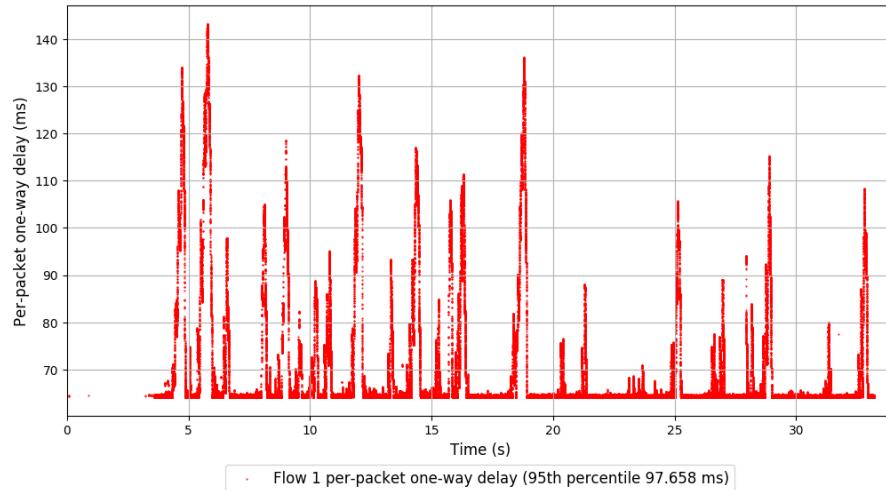
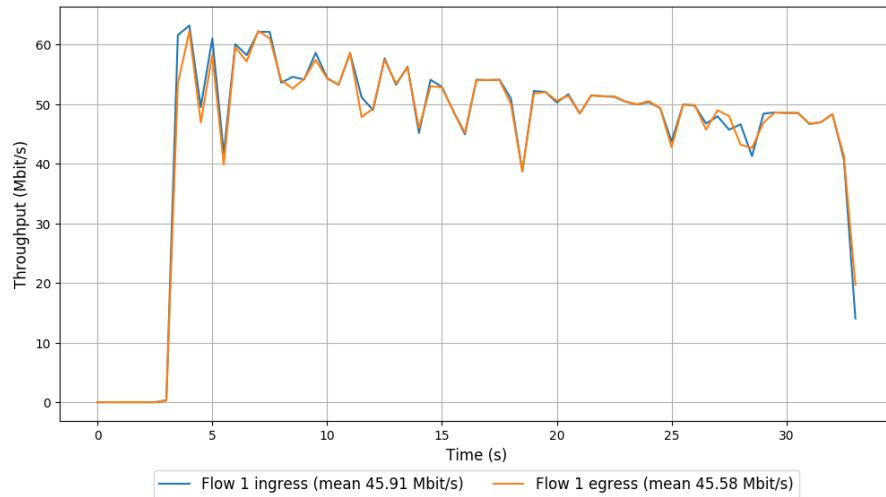


Run 3: Statistics of Copa

```
Start at: Thu, 15 Jun 2017 23:50:22 +0000
End at: Thu, 15 Jun 2017 23:50:52 +0000
Local clock offset: 3.027 ms
Remote clock offset: -4.378 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.58 Mbit/s
95th percentile per-packet one-way delay: 97.658 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 45.58 Mbit/s
95th percentile per-packet one-way delay: 97.658 ms
Loss rate: 0.72%
```

Run 3: Report of Copa — Data Link

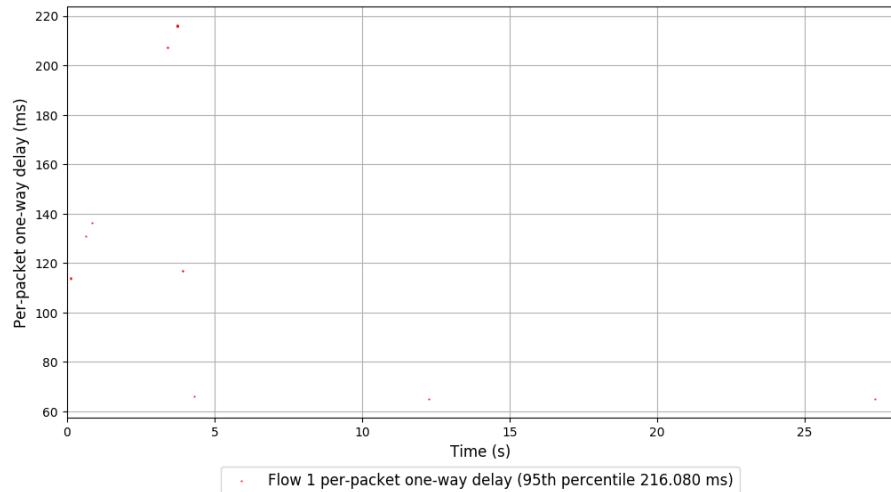
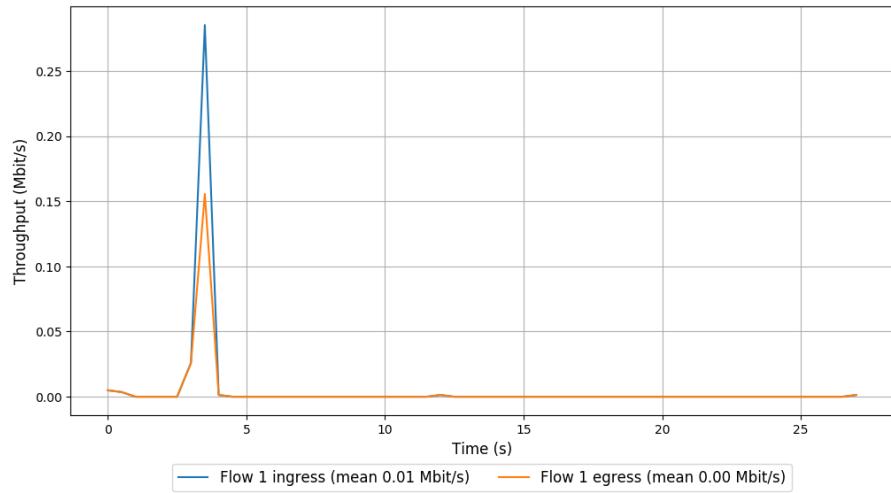


Run 4: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 00:07:59 +0000
End at: Fri, 16 Jun 2017 00:08:29 +0000
Local clock offset: 2.82 ms
Remote clock offset: -4.175 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 216.080 ms
Loss rate: 40.05%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 216.080 ms
Loss rate: 40.05%
```

Run 4: Report of Copa — Data Link

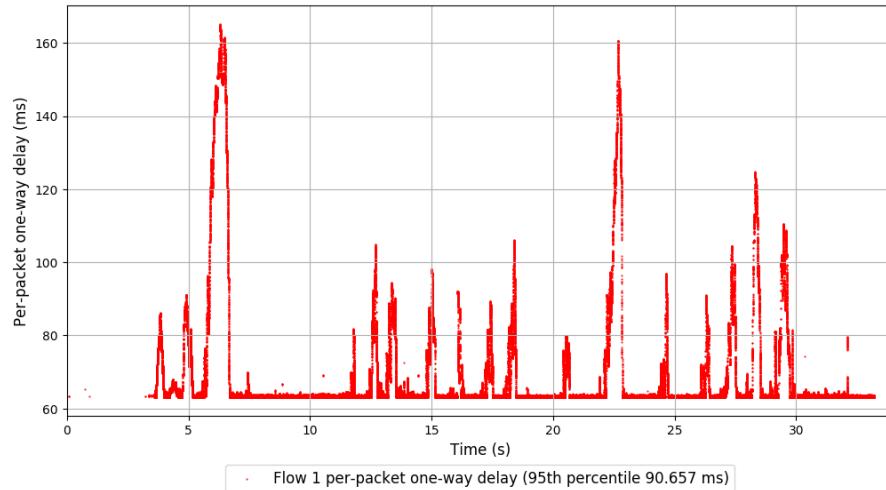
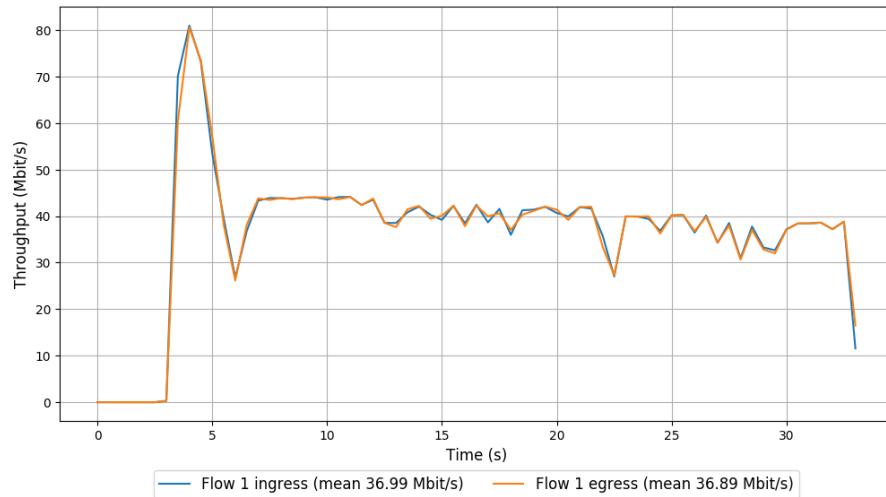


Run 5: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 00:25:04 +0000
End at: Fri, 16 Jun 2017 00:25:34 +0000
Local clock offset: 2.104 ms
Remote clock offset: -2.687 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 90.657 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 90.657 ms
Loss rate: 0.27%
```

Run 5: Report of Copa — Data Link

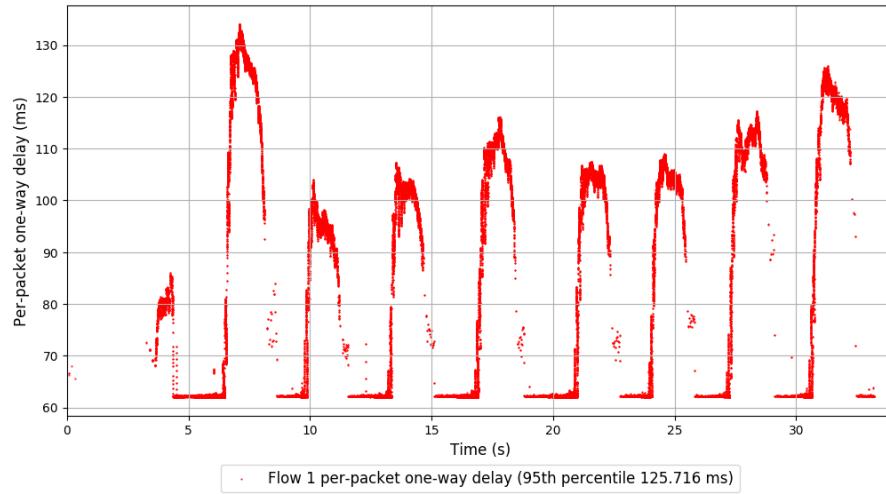
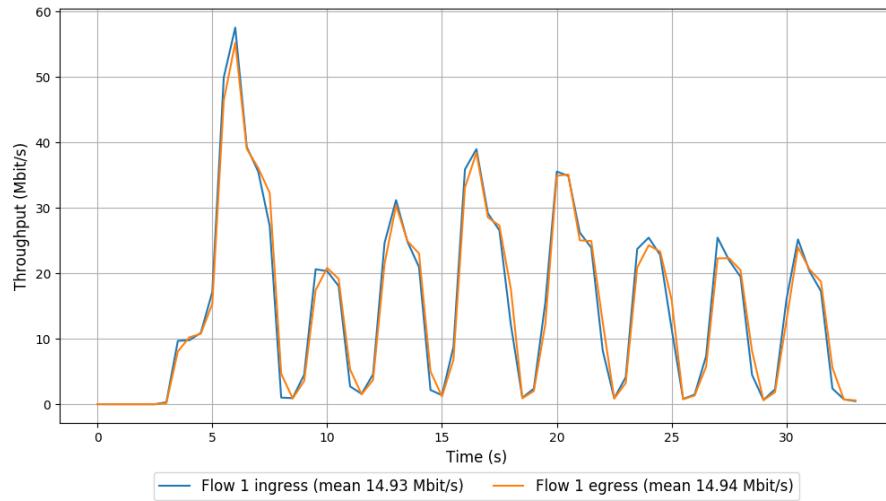


Run 6: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 00:42:33 +0000
End at: Fri, 16 Jun 2017 00:43:03 +0000
Local clock offset: 2.292 ms
Remote clock offset: -2.074 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 125.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 125.716 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

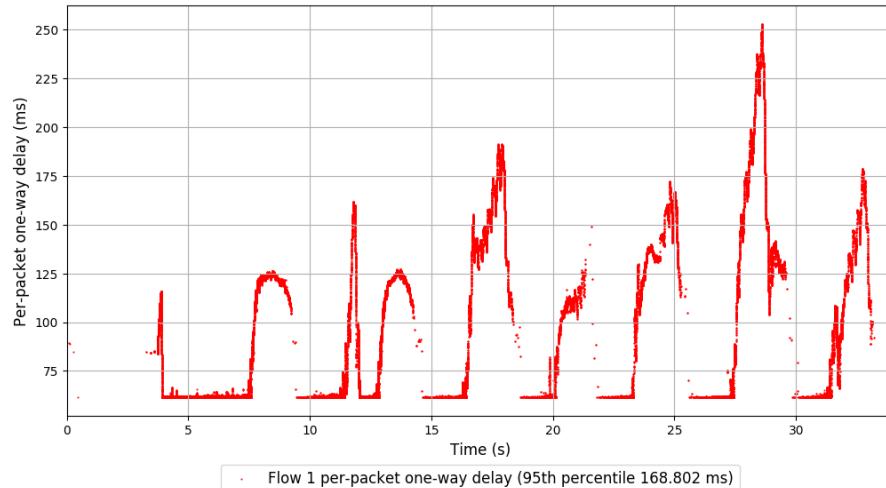
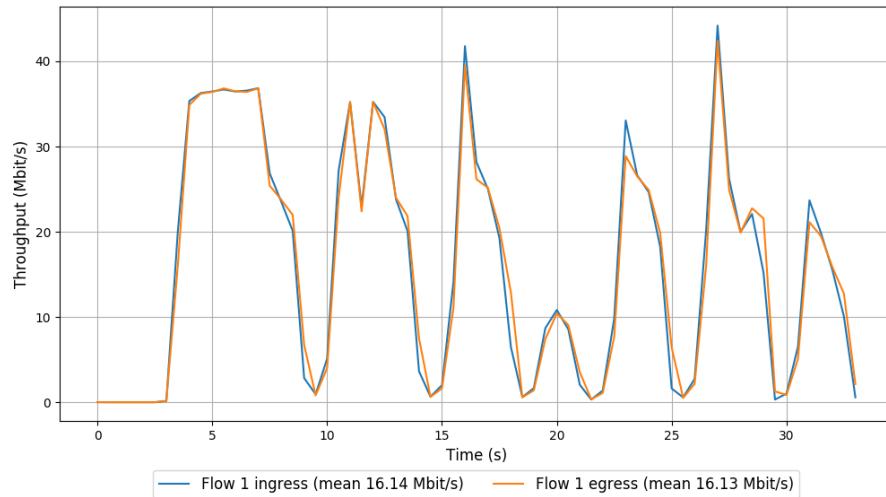


Run 7: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 00:59:58 +0000
End at: Fri, 16 Jun 2017 01:00:28 +0000
Local clock offset: 2.331 ms
Remote clock offset: -0.647 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.13 Mbit/s
95th percentile per-packet one-way delay: 168.802 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 16.13 Mbit/s
95th percentile per-packet one-way delay: 168.802 ms
Loss rate: 0.05%
```

Run 7: Report of Copa — Data Link

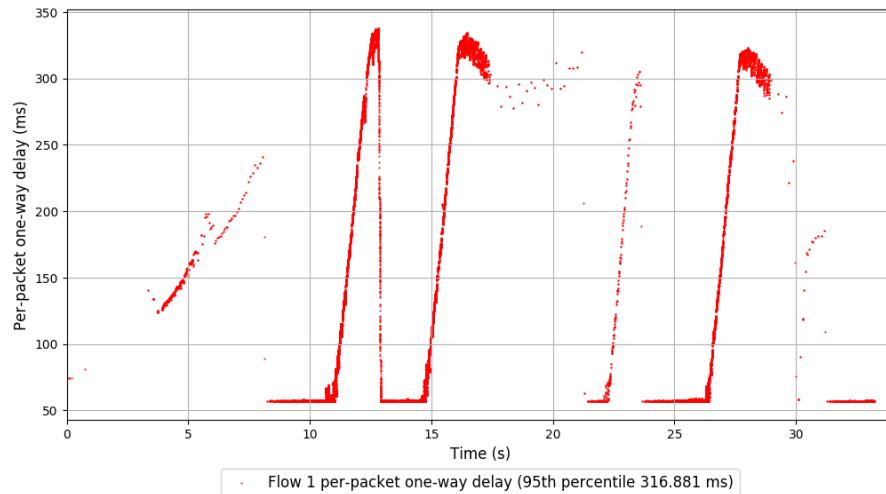
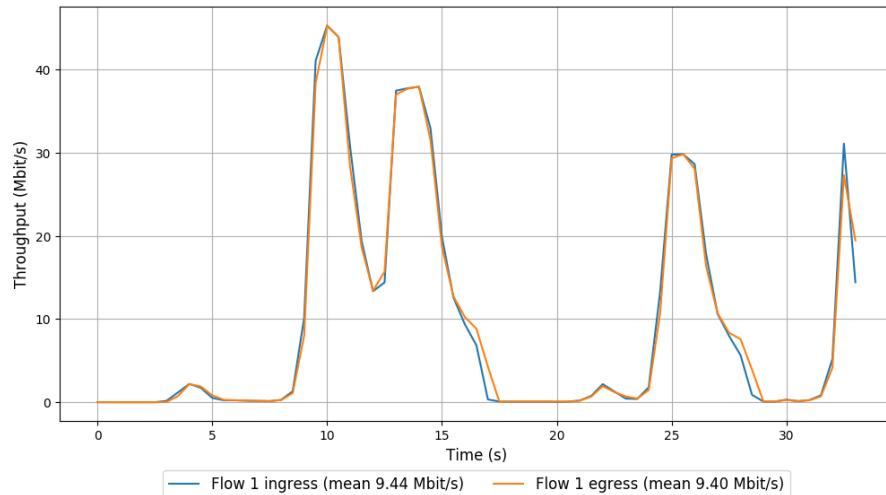


Run 8: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 01:17:38 +0000
End at: Fri, 16 Jun 2017 01:18:08 +0000
Local clock offset: 0.761 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 316.881 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 316.881 ms
Loss rate: 0.53%
```

Run 8: Report of Copa — Data Link

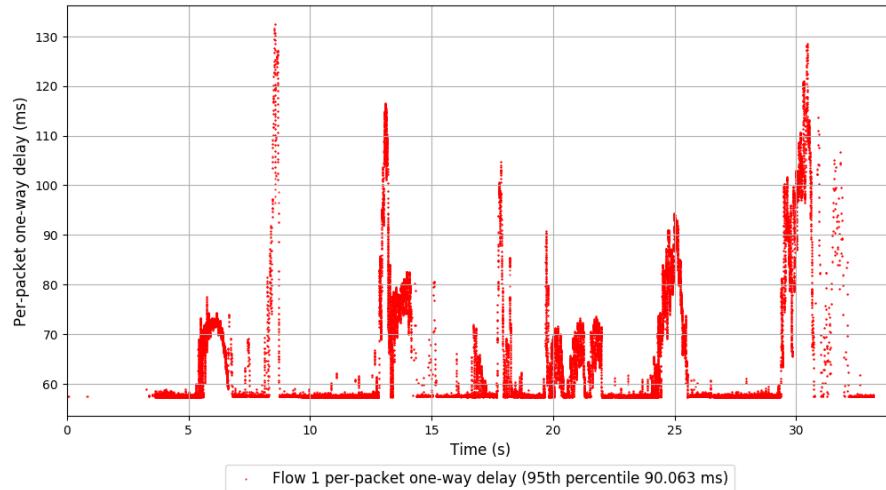
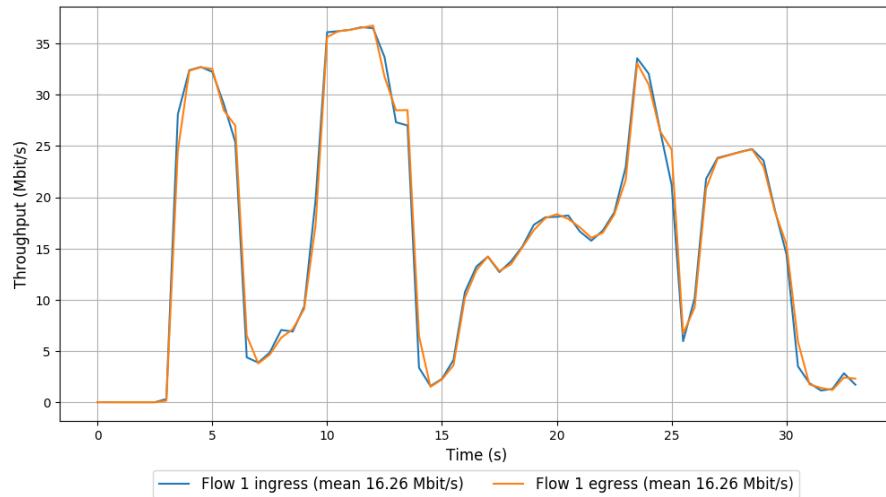


Run 9: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 01:35:02 +0000
End at: Fri, 16 Jun 2017 01:35:32 +0000
Local clock offset: -0.454 ms
Remote clock offset: 0.112 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 90.063 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 16.26 Mbit/s
95th percentile per-packet one-way delay: 90.063 ms
Loss rate: 0.03%
```

Run 9: Report of Copa — Data Link

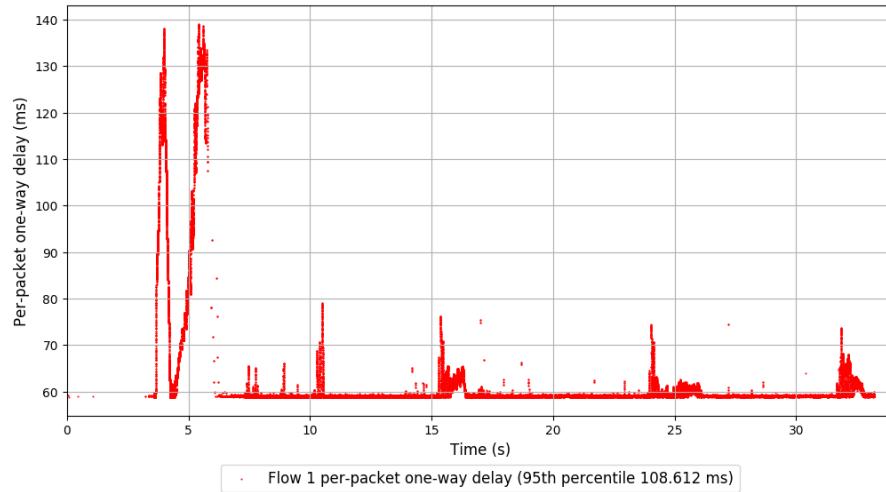
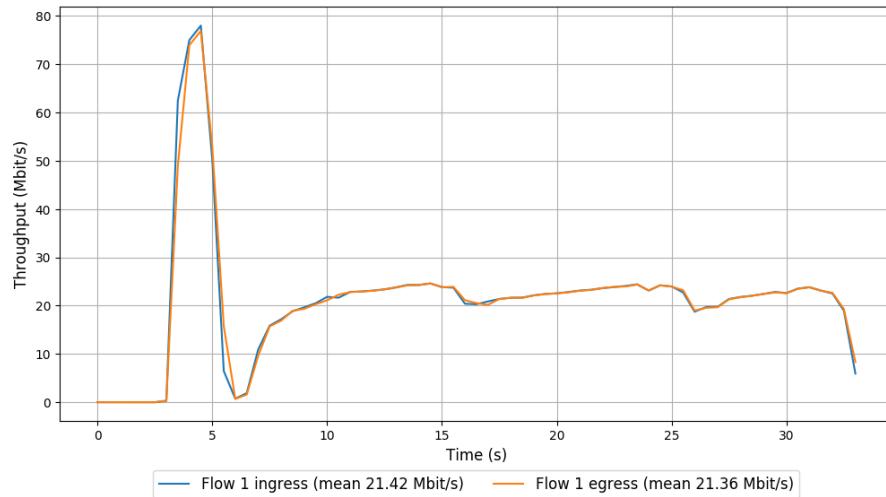


Run 10: Statistics of Copa

```
Start at: Fri, 16 Jun 2017 01:52:14 +0000
End at: Fri, 16 Jun 2017 01:52:44 +0000
Local clock offset: 0.898 ms
Remote clock offset: 0.034 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.36 Mbit/s
95th percentile per-packet one-way delay: 108.612 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 21.36 Mbit/s
95th percentile per-packet one-way delay: 108.612 ms
Loss rate: 0.26%
```

Run 10: Report of Copa — Data Link



```
Run 1: Statistics of TCP Cubic
```

```
Start at: Thu, 15 Jun 2017 23:28:18 +0000
```

```
End at: Thu, 15 Jun 2017 23:28:48 +0000
```

```
Local clock offset: 2.199 ms
```

```
Remote clock offset: -5.231 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:38 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 63.03 Mbit/s
```

```
95th percentile per-packet one-way delay: 208.769 ms
```

```
Loss rate: 0.19%
```

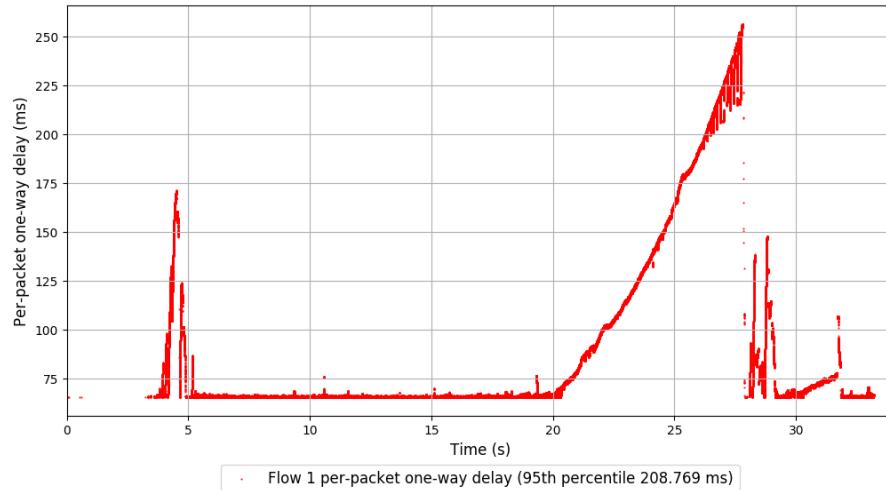
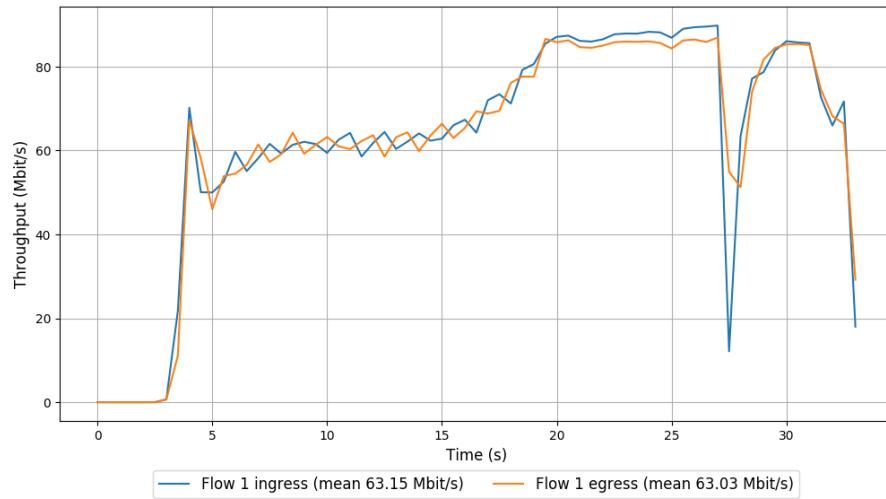
```
-- Flow 1:
```

```
Average throughput: 63.03 Mbit/s
```

```
95th percentile per-packet one-way delay: 208.769 ms
```

```
Loss rate: 0.19%
```

Run 1: Report of TCP Cubic — Data Link

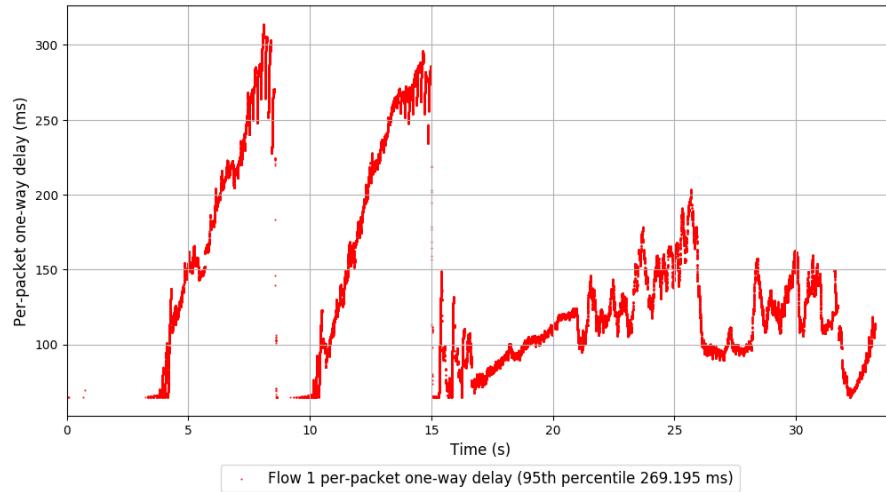
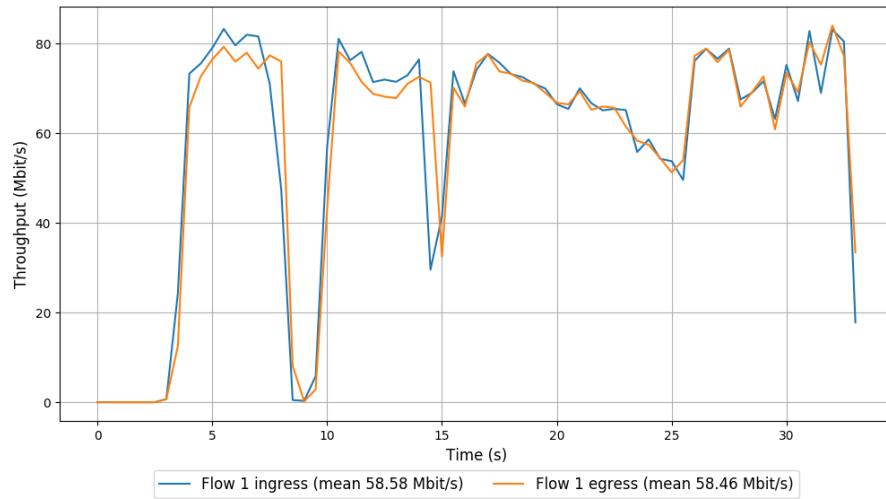


Run 2: Statistics of TCP Cubic

```
Start at: Thu, 15 Jun 2017 23:45:49 +0000
End at: Thu, 15 Jun 2017 23:46:19 +0000
Local clock offset: 3.185 ms
Remote clock offset: -5.008 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 269.195 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 58.46 Mbit/s
95th percentile per-packet one-way delay: 269.195 ms
Loss rate: 0.07%
```

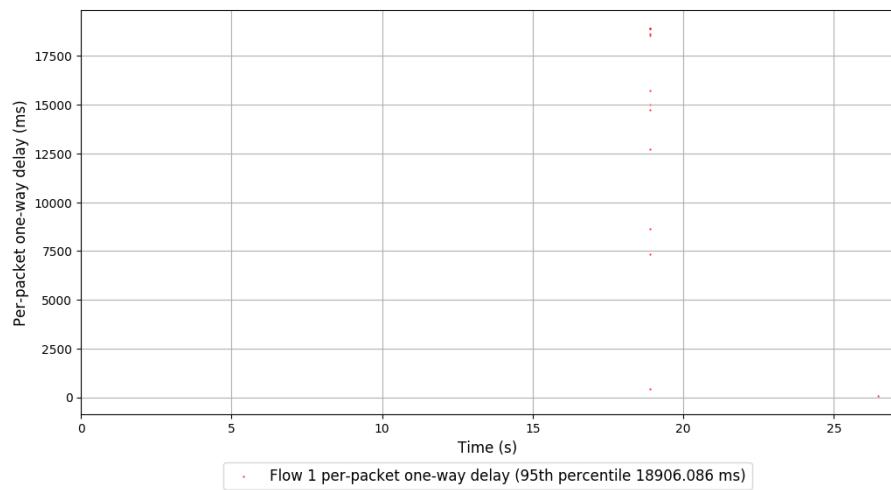
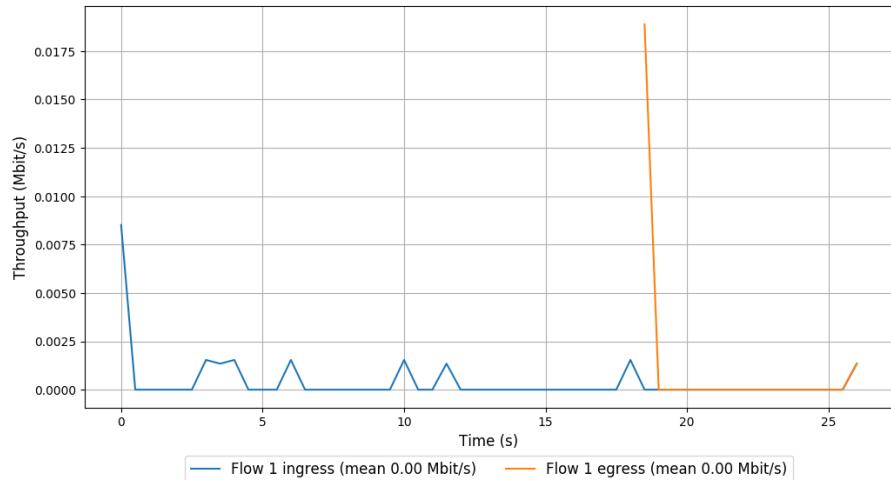
Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 00:03:27 +0000
End at: Fri, 16 Jun 2017 00:03:57 +0000
Local clock offset: 2.835 ms
Remote clock offset: -4.33 ms

Run 3: Report of TCP Cubic — Data Link

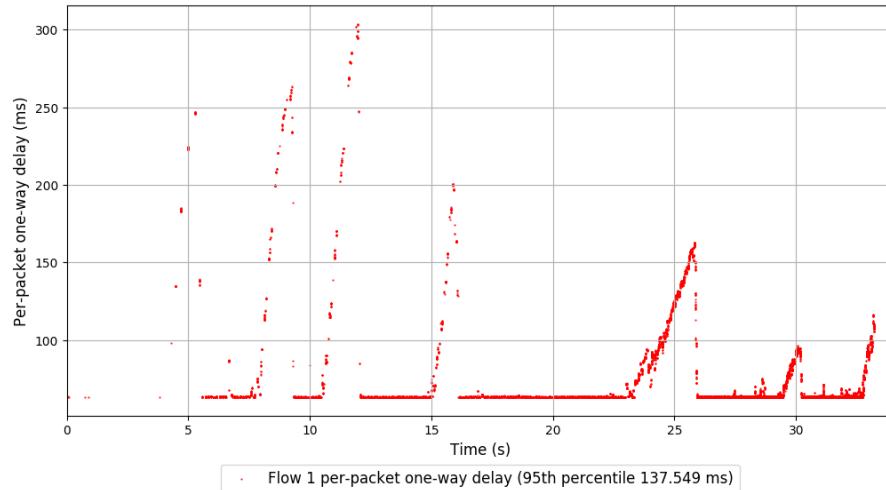
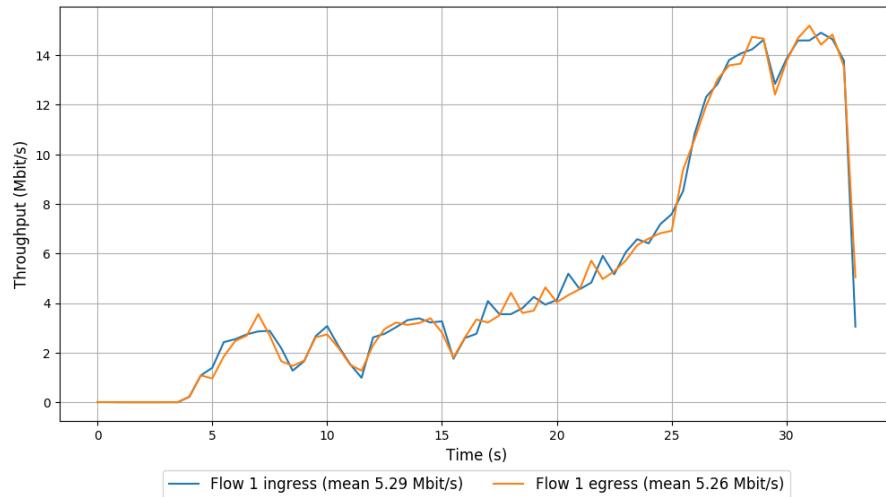


Run 4: Statistics of TCP Cubic

```
Start at: Fri, 16 Jun 2017 00:20:34 +0000
End at: Fri, 16 Jun 2017 00:21:04 +0000
Local clock offset: 2.384 ms
Remote clock offset: -3.573 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.26 Mbit/s
95th percentile per-packet one-way delay: 137.549 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 5.26 Mbit/s
95th percentile per-packet one-way delay: 137.549 ms
Loss rate: 0.41%
```

Run 4: Report of TCP Cubic — Data Link

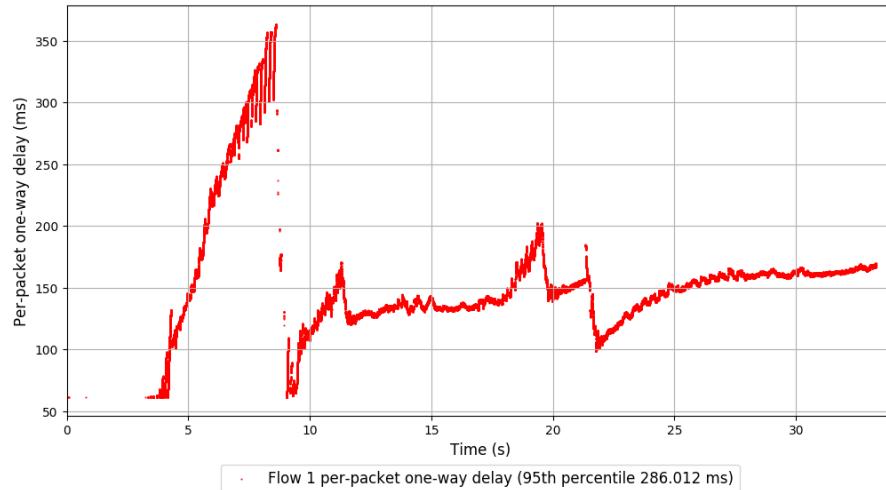
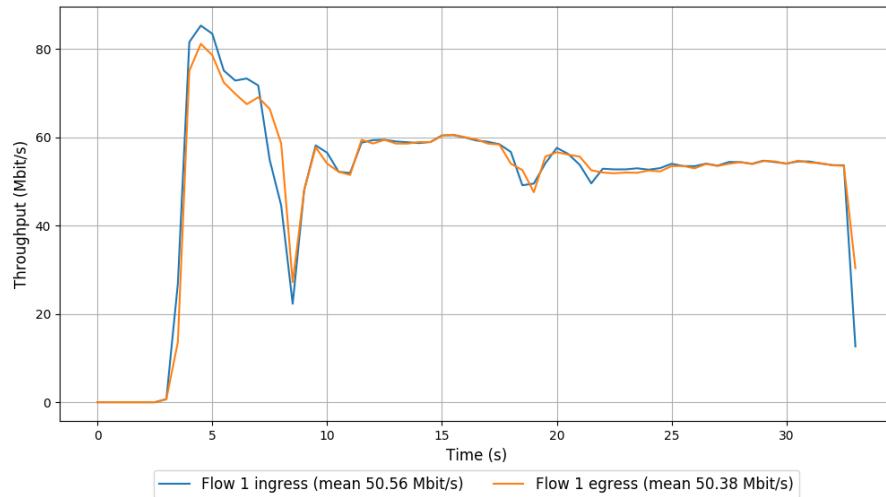


Run 5: Statistics of TCP Cubic

```
Start at: Fri, 16 Jun 2017 00:37:59 +0000
End at: Fri, 16 Jun 2017 00:38:29 +0000
Local clock offset: 1.776 ms
Remote clock offset: -1.832 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 286.012 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 50.38 Mbit/s
95th percentile per-packet one-way delay: 286.012 ms
Loss rate: 0.03%
```

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 00:55:28 +0000
End at: Fri, 16 Jun 2017 00:55:58 +0000
Local clock offset: 2.514 ms
Remote clock offset: -1.044 ms

Run 6: Report of TCP Cubic — Data Link

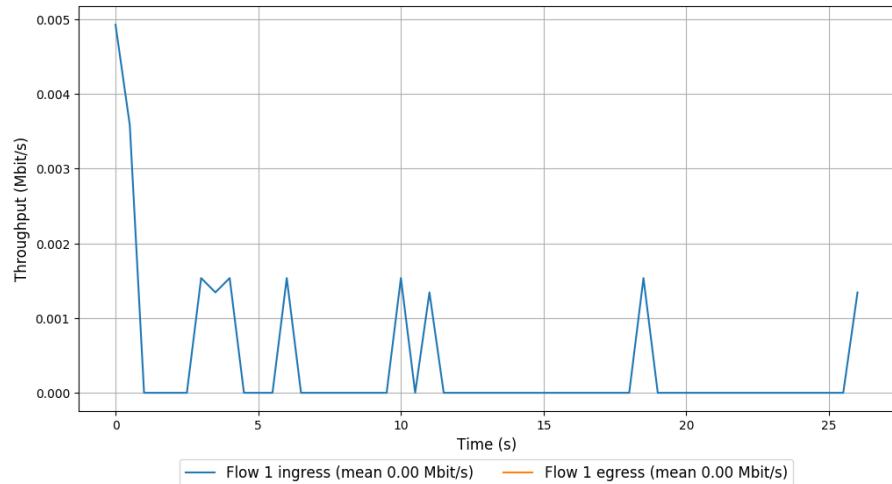


Figure is missing

Run 7: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 01:12:49 +0000

End at: Fri, 16 Jun 2017 01:13:19 +0000

Local clock offset: 1.719 ms

Remote clock offset: -0.239 ms

Below is generated by plot.py at Fri, 16 Jun 2017 05:31:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 224.621 ms

Loss rate: 1.24%

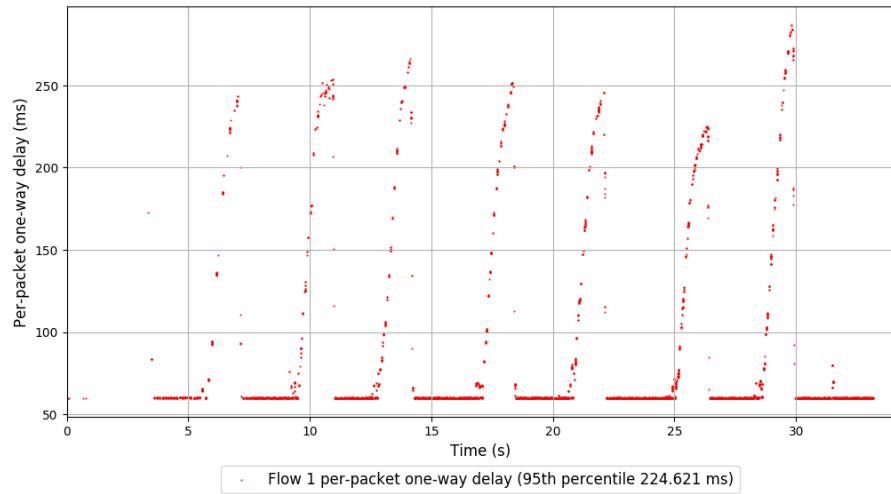
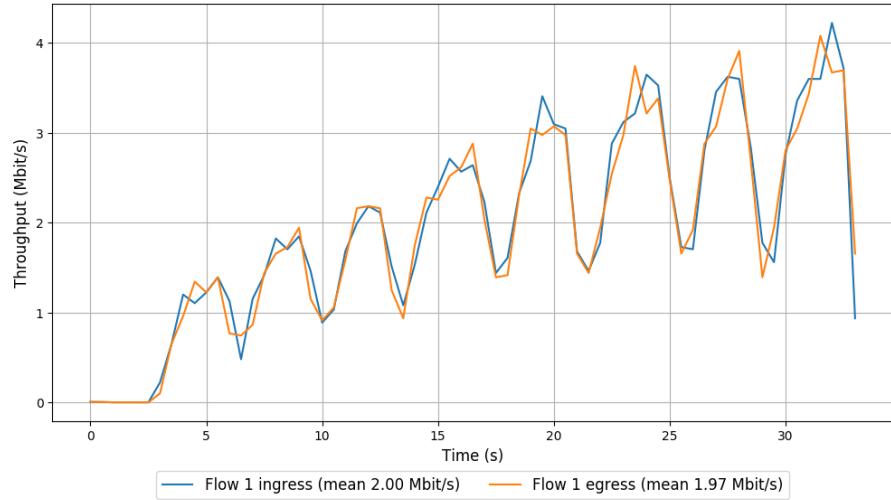
-- Flow 1:

Average throughput: 1.97 Mbit/s

95th percentile per-packet one-way delay: 224.621 ms

Loss rate: 1.24%

Run 7: Report of TCP Cubic — Data Link

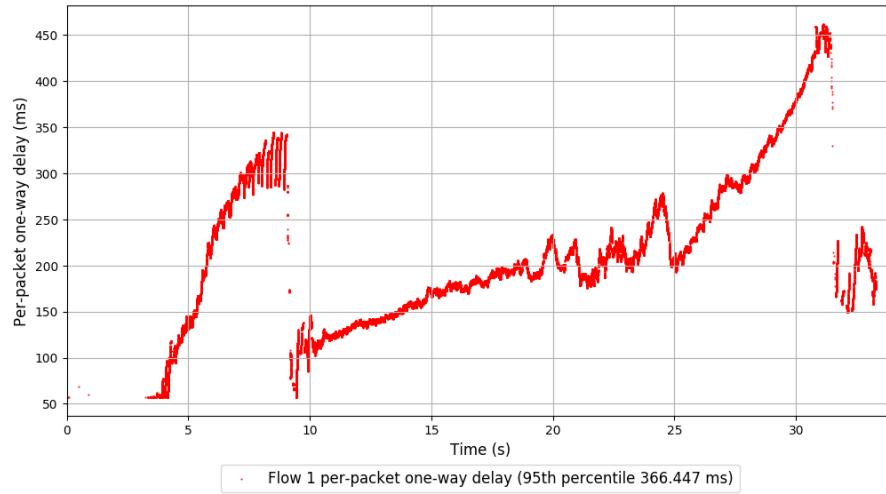
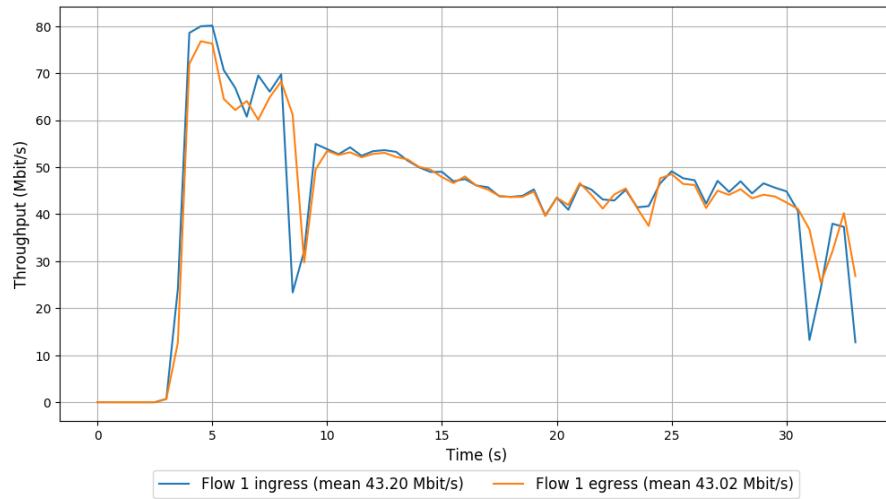


Run 8: Statistics of TCP Cubic

```
Start at: Fri, 16 Jun 2017 01:30:19 +0000
End at: Fri, 16 Jun 2017 01:30:49 +0000
Local clock offset: -0.331 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 366.447 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 43.02 Mbit/s
95th percentile per-packet one-way delay: 366.447 ms
Loss rate: 0.13%
```

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 01:47:47 +0000
End at: Fri, 16 Jun 2017 01:48:17 +0000
Local clock offset: 0.111 ms
Remote clock offset: -0.237 ms

Run 9: Report of TCP Cubic — Data Link

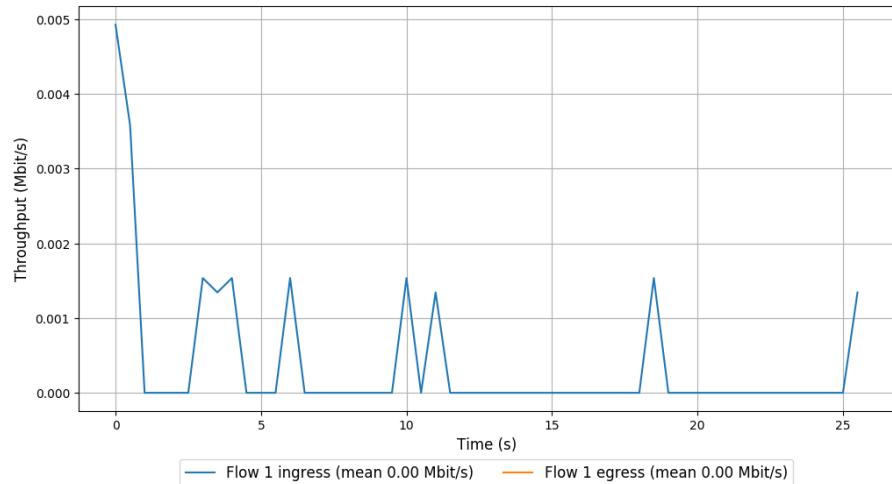


Figure is missing

Run 10: Statistics of TCP Cubic

Start at: Fri, 16 Jun 2017 02:04:59 +0000
End at: Fri, 16 Jun 2017 02:05:29 +0000
Local clock offset: 1.693 ms
Remote clock offset: 0.401 ms

Run 10: Report of TCP Cubic — Data Link

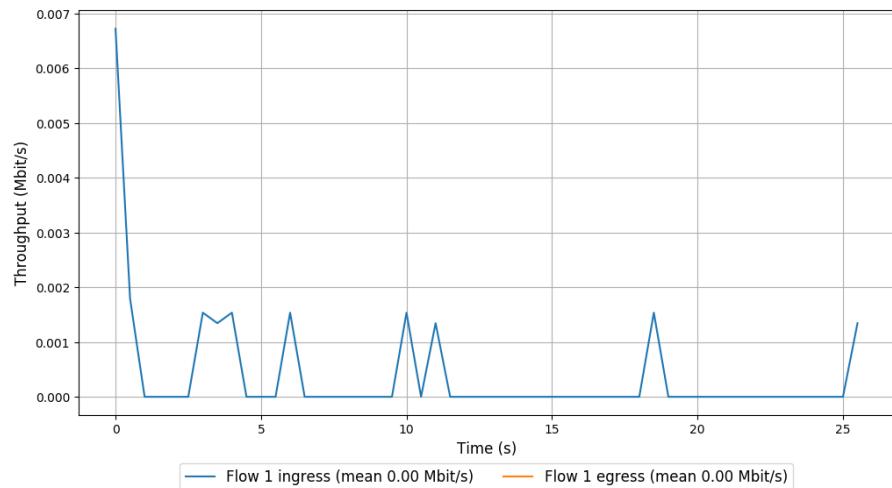


Figure is missing

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

```
Start at: Thu, 15 Jun 2017 23:25:51 +0000
```

```
End at: Thu, 15 Jun 2017 23:26:21 +0000
```

```
Local clock offset: 2.209 ms
```

```
Remote clock offset: -4.94 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:54 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 9.18 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.198 ms
```

```
Loss rate: 0.00%
```

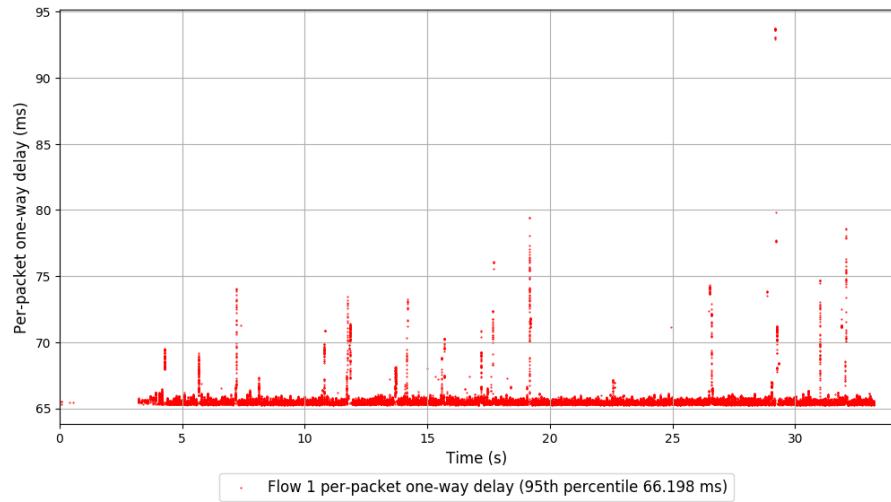
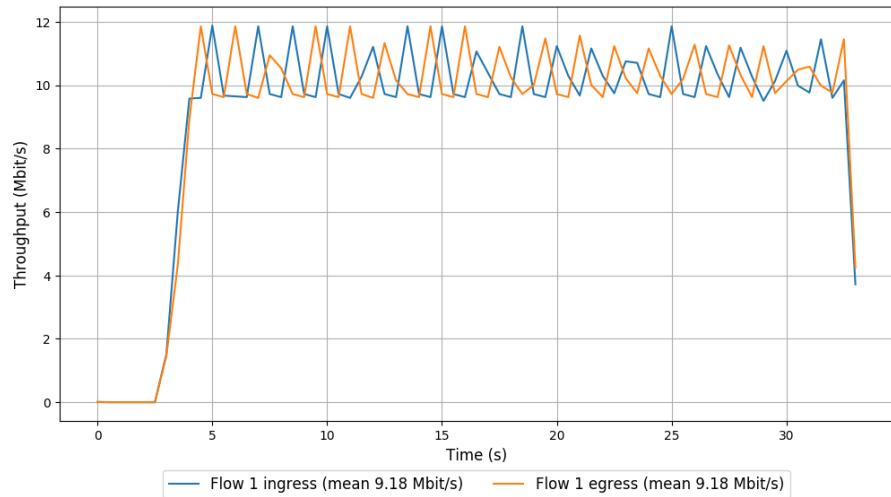
```
-- Flow 1:
```

```
Average throughput: 9.18 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.198 ms
```

```
Loss rate: 0.00%
```

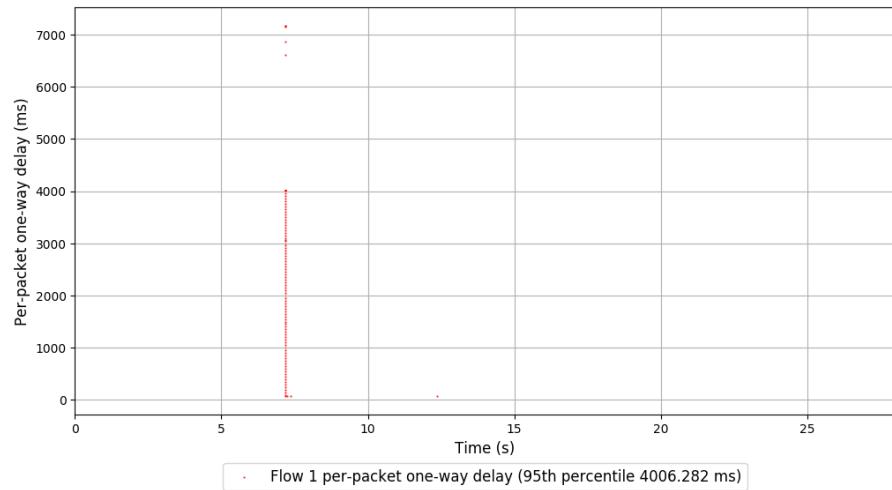
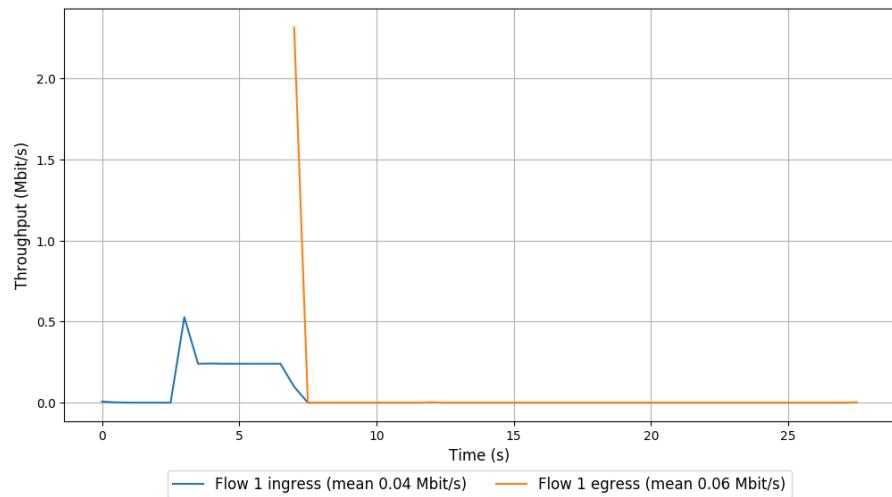
Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Thu, 15 Jun 2017 23:43:28 +0000
End at: Thu, 15 Jun 2017 23:43:58 +0000
Local clock offset: 3.17 ms
Remote clock offset: -5.307 ms

Run 2: Report of KohoCC — Data Link

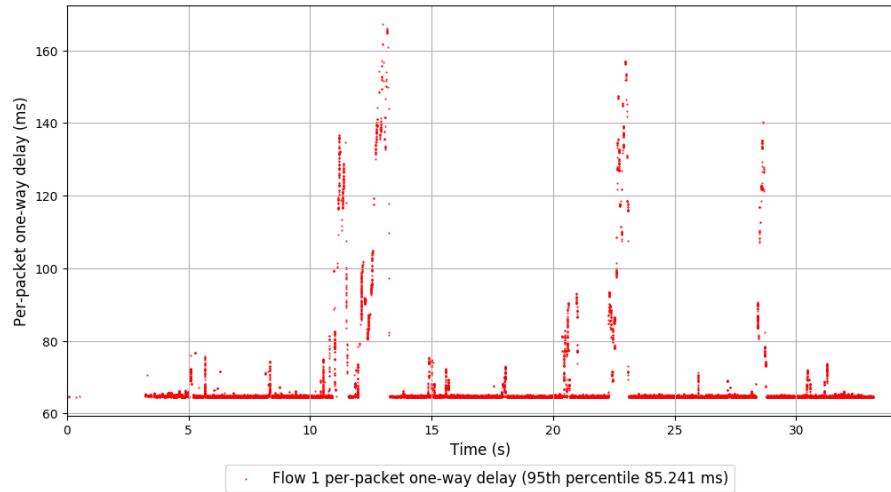
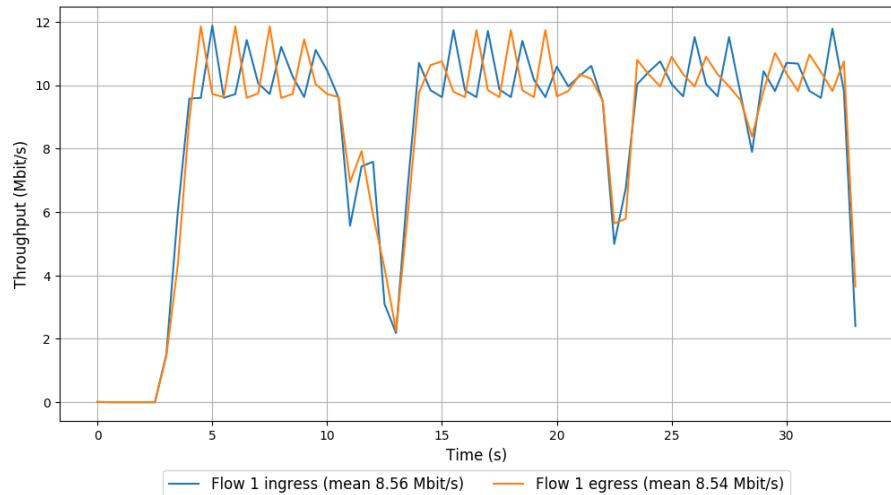


Run 3: Statistics of KohoCC

```
Start at: Fri, 16 Jun 2017 00:00:59 +0000
End at: Fri, 16 Jun 2017 00:01:29 +0000
Local clock offset: 2.9 ms
Remote clock offset: -4.251 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.54 Mbit/s
95th percentile per-packet one-way delay: 85.241 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 8.54 Mbit/s
95th percentile per-packet one-way delay: 85.241 ms
Loss rate: 0.14%
```

Run 3: Report of KohoCC — Data Link

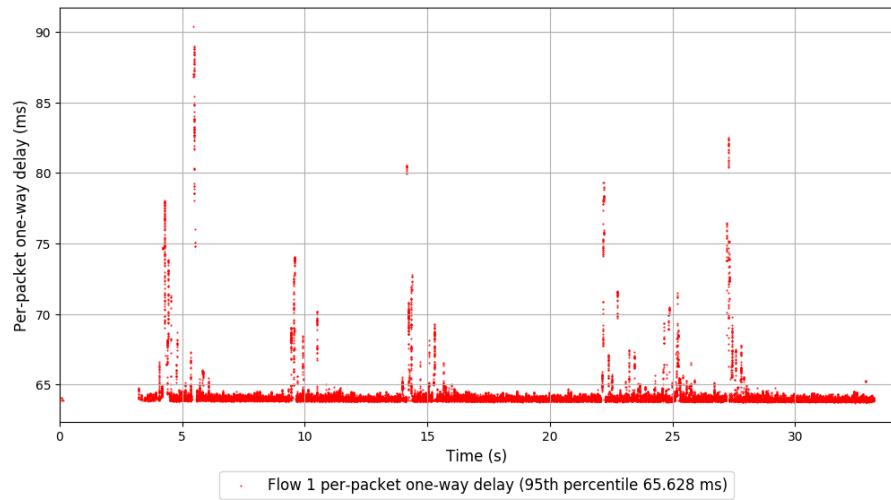
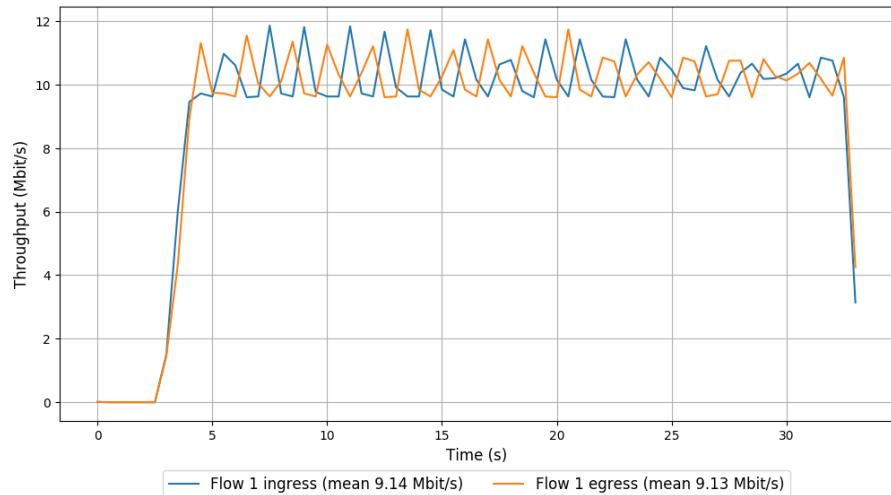


Run 4: Statistics of KohoCC

```
Start at: Fri, 16 Jun 2017 00:18:15 +0000
End at: Fri, 16 Jun 2017 00:18:45 +0000
Local clock offset: 2.428 ms
Remote clock offset: -3.388 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 65.628 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 65.628 ms
Loss rate: 0.07%
```

Run 4: Report of KohoCC — Data Link

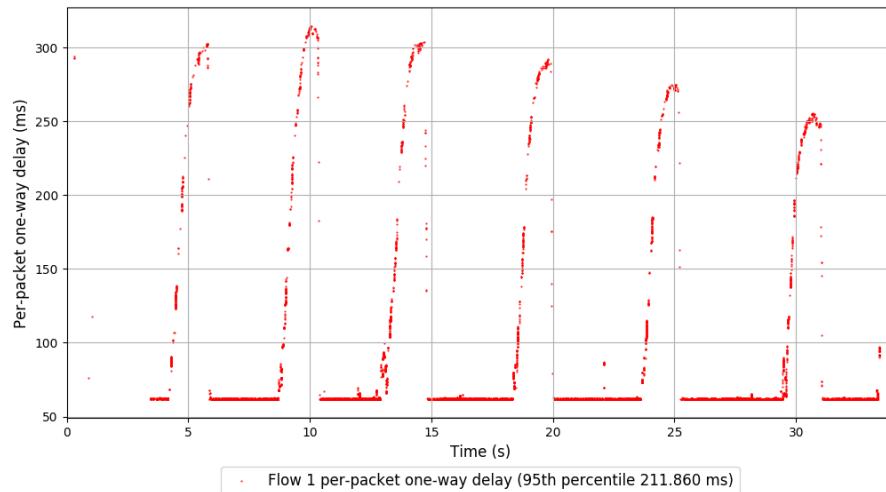
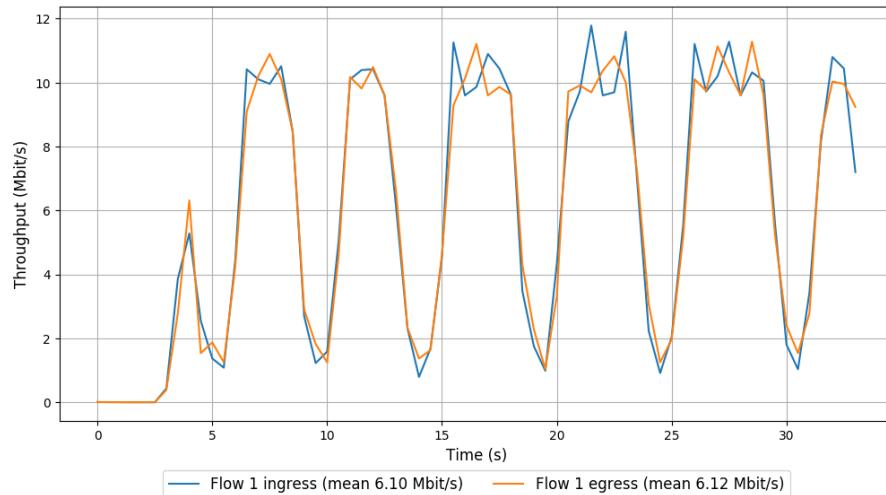


Run 5: Statistics of KohoCC

```
Start at: Fri, 16 Jun 2017 00:35:28 +0000
End at: Fri, 16 Jun 2017 00:35:58 +0000
Local clock offset: 1.674 ms
Remote clock offset: -14.637 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 211.860 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 6.12 Mbit/s
95th percentile per-packet one-way delay: 211.860 ms
Loss rate: 0.33%
```

Run 5: Report of KohoCC — Data Link

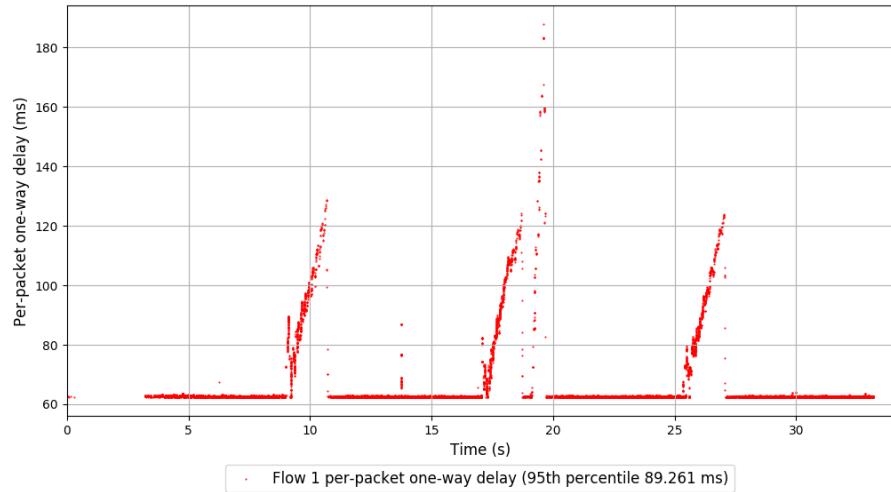
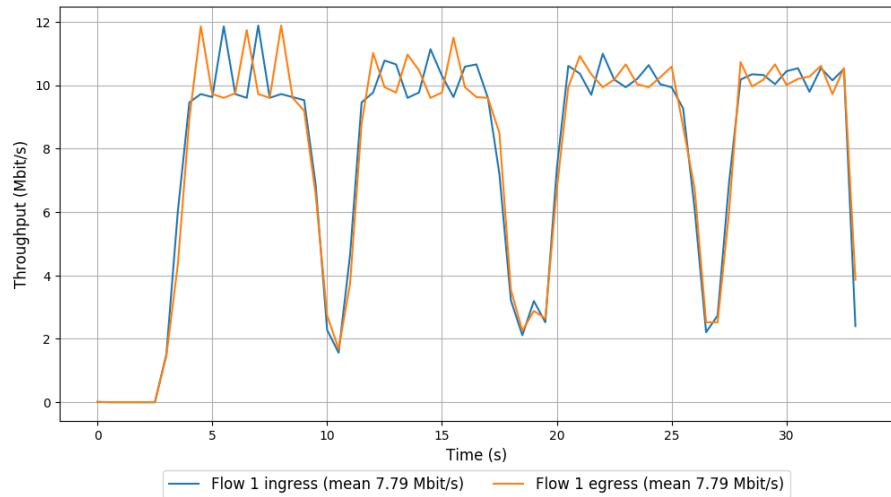


Run 6: Statistics of KohoCC

```
Start at: Fri, 16 Jun 2017 00:53:07 +0000
End at: Fri, 16 Jun 2017 00:53:37 +0000
Local clock offset: 2.569 ms
Remote clock offset: -1.324 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:31:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 89.261 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 7.79 Mbit/s
95th percentile per-packet one-way delay: 89.261 ms
Loss rate: 0.05%
```

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Fri, 16 Jun 2017 01:10:20 +0000

End at: Fri, 16 Jun 2017 01:10:50 +0000

Local clock offset: 2.06 ms

Remote clock offset: -0.066 ms

Below is generated by plot.py at Fri, 16 Jun 2017 05:31:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.09 Mbit/s

95th percentile per-packet one-way delay: 154.771 ms

Loss rate: 0.31%

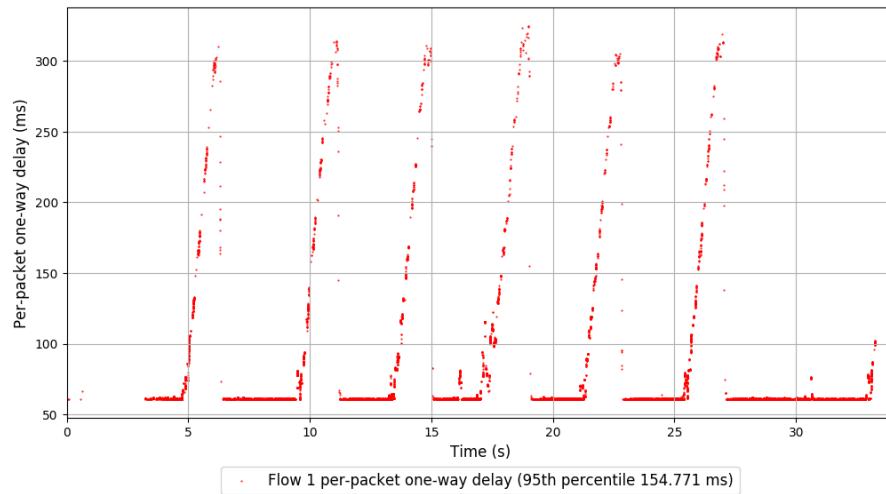
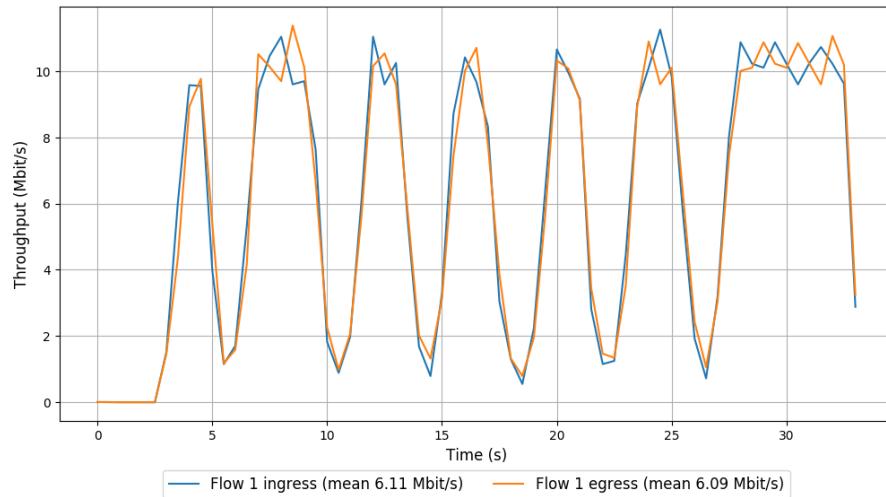
-- Flow 1:

Average throughput: 6.09 Mbit/s

95th percentile per-packet one-way delay: 154.771 ms

Loss rate: 0.31%

Run 7: Report of KohoCC — Data Link

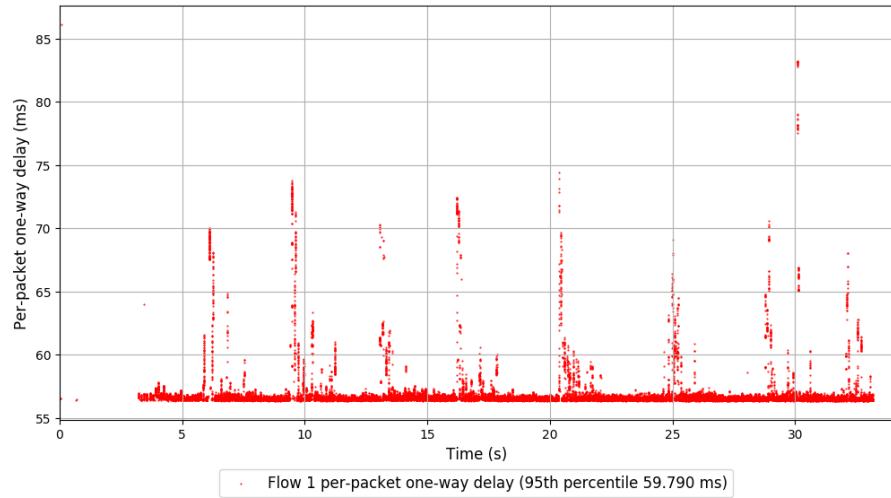
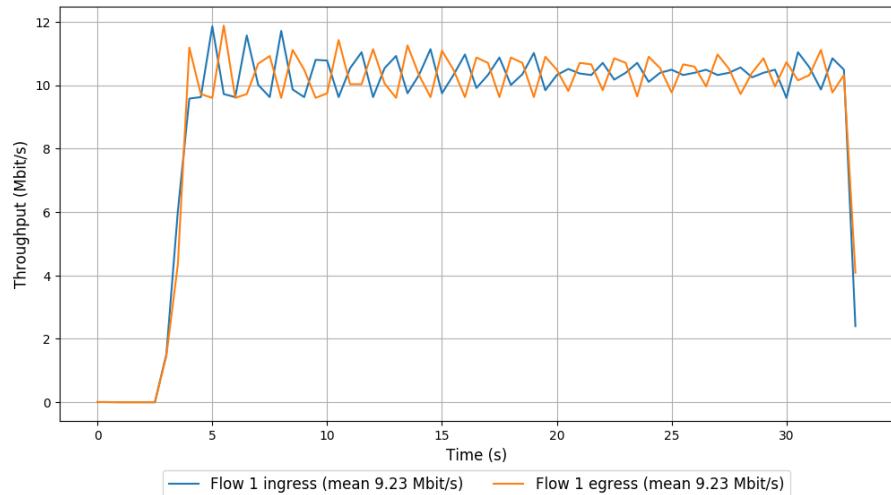


Run 8: Statistics of KohoCC

```
Start at: Fri, 16 Jun 2017 01:27:50 +0000
End at: Fri, 16 Jun 2017 01:28:20 +0000
Local clock offset: -0.17 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 59.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 59.790 ms
Loss rate: 0.00%
```

Run 8: Report of KohoCC — Data Link

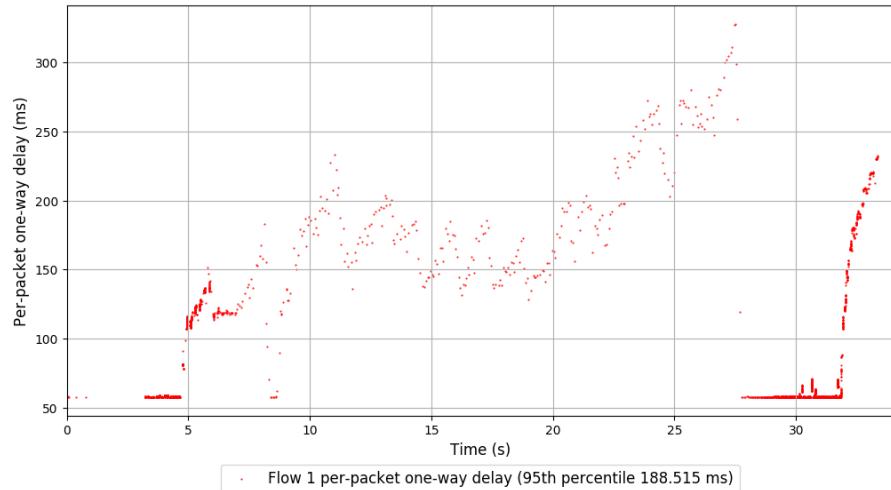
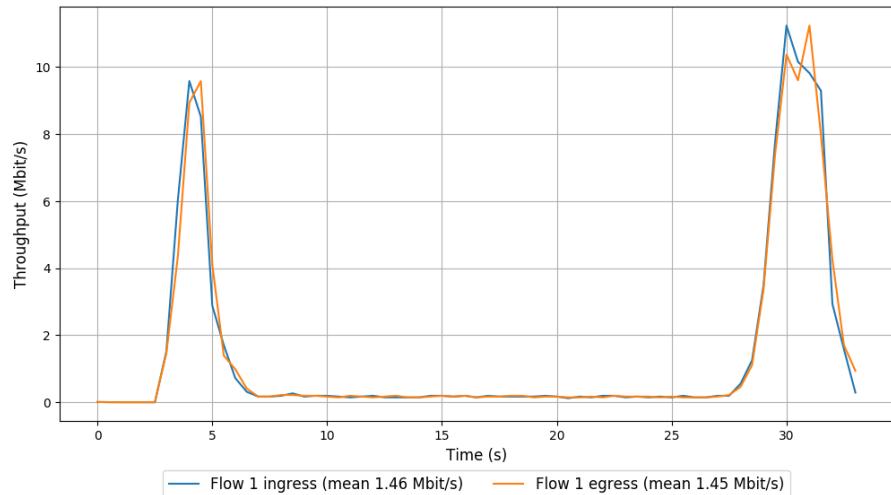


Run 9: Statistics of KohoCC

```
Start at: Fri, 16 Jun 2017 01:45:25 +0000
End at: Fri, 16 Jun 2017 01:45:55 +0000
Local clock offset: -0.591 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 188.515 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 188.515 ms
Loss rate: 0.05%
```

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

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

End at: Fri, 16 Jun 2017 02:03:06 +0000

Local clock offset: 1.709 ms

Remote clock offset: 0.412 ms

Below is generated by plot.py at Fri, 16 Jun 2017 05:32:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.96 Mbit/s

95th percentile per-packet one-way delay: 73.097 ms

Loss rate: 0.00%

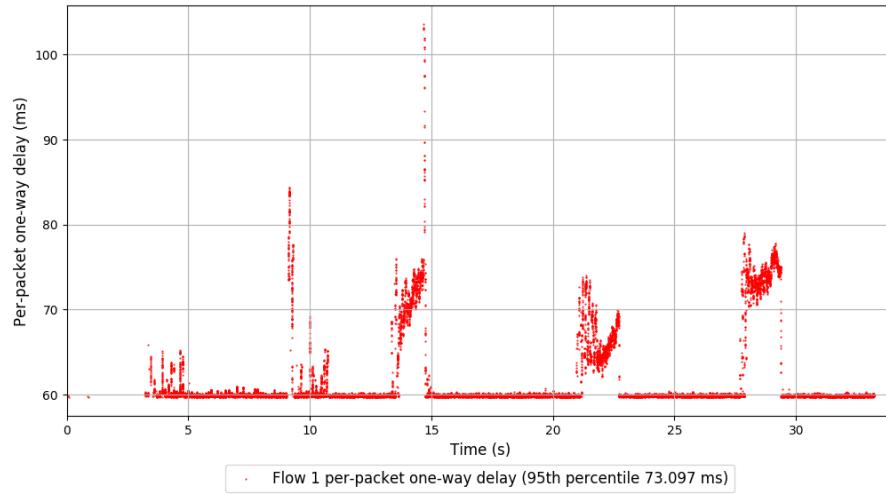
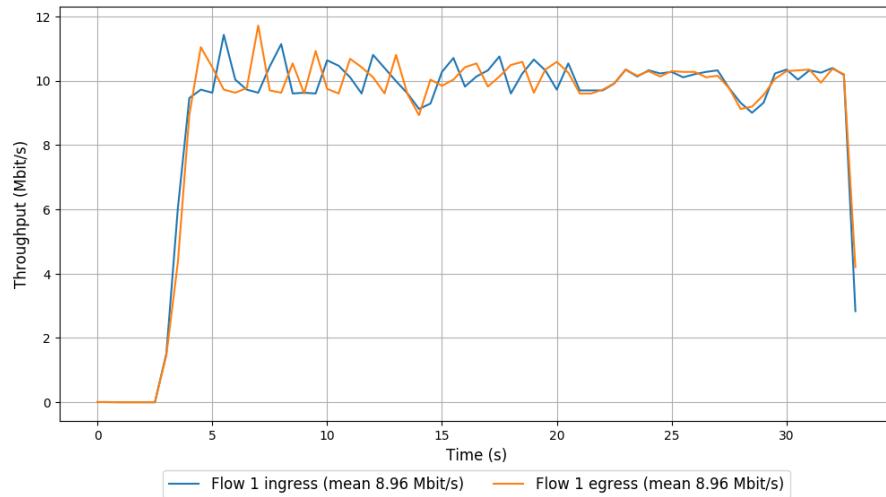
-- Flow 1:

Average throughput: 8.96 Mbit/s

95th percentile per-packet one-way delay: 73.097 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link

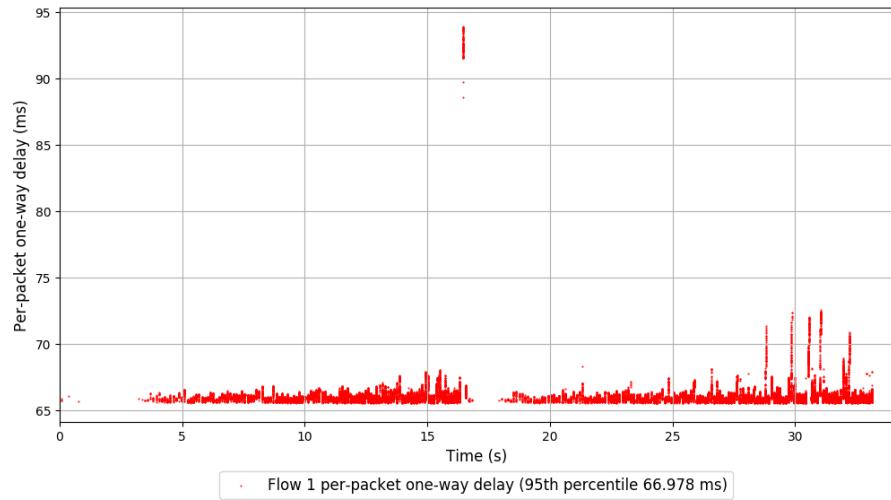
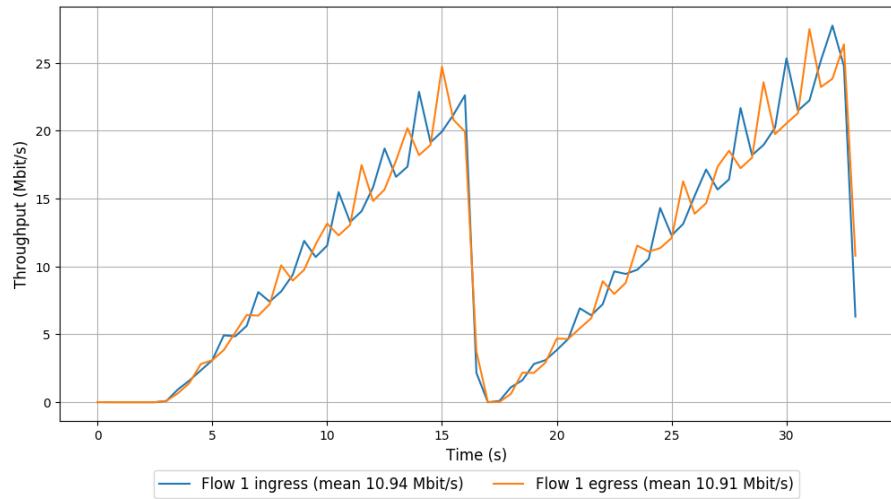


Run 1: Statistics of LEDBAT

```
Start at: Thu, 15 Jun 2017 23:23:34 +0000
End at: Thu, 15 Jun 2017 23:24:04 +0000
Local clock offset: 2.282 ms
Remote clock offset: -5.181 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 66.978 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 10.91 Mbit/s
95th percentile per-packet one-way delay: 66.978 ms
Loss rate: 0.21%
```

Run 1: Report of LEDBAT — Data Link

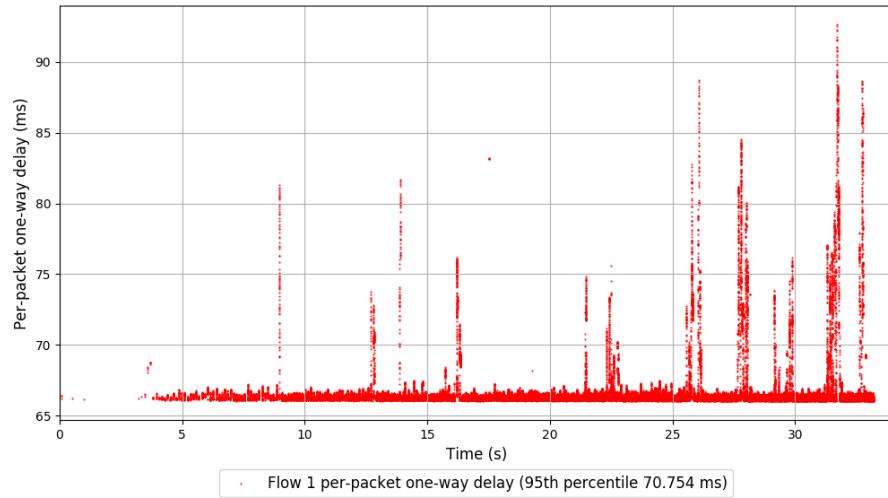
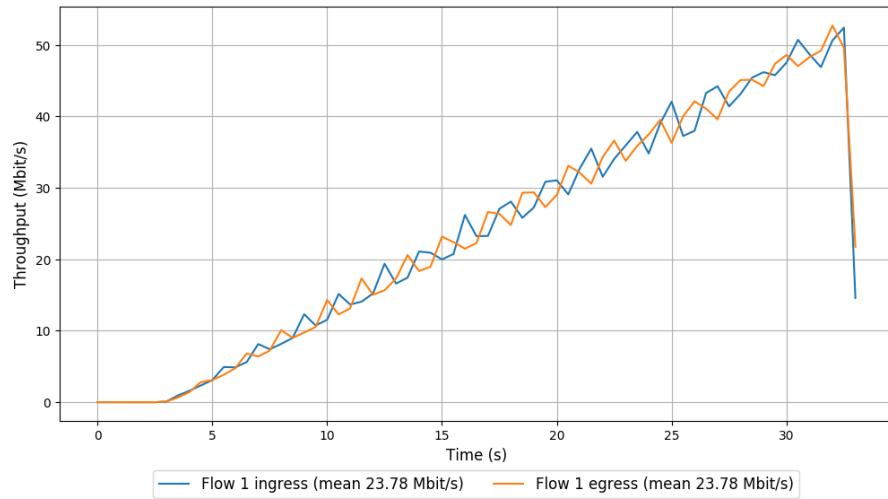


Run 2: Statistics of LEDBAT

```
Start at: Thu, 15 Jun 2017 23:41:10 +0000
End at: Thu, 15 Jun 2017 23:41:40 +0000
Local clock offset: 3.221 ms
Remote clock offset: -5.262 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 70.754 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 70.754 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

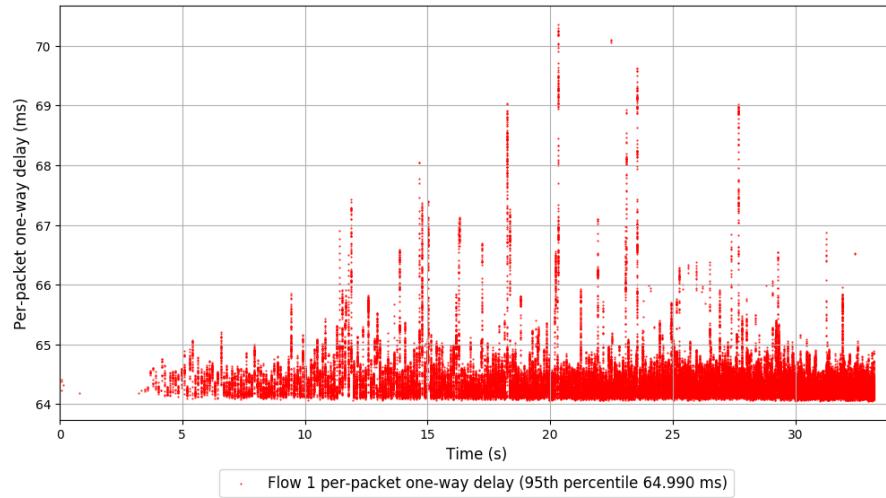
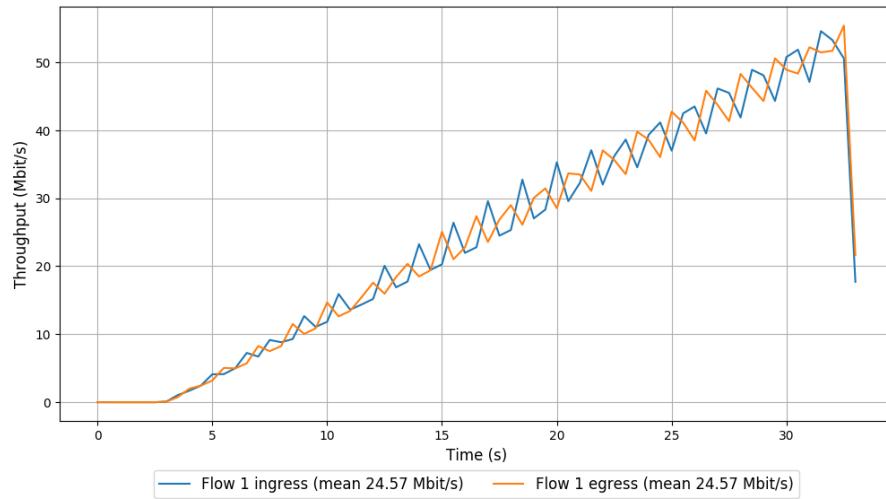


Run 3: Statistics of LEDBAT

```
Start at: Thu, 15 Jun 2017 23:58:40 +0000
End at: Thu, 15 Jun 2017 23:59:10 +0000
Local clock offset: 2.857 ms
Remote clock offset: -4.771 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 64.990 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.57 Mbit/s
95th percentile per-packet one-way delay: 64.990 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

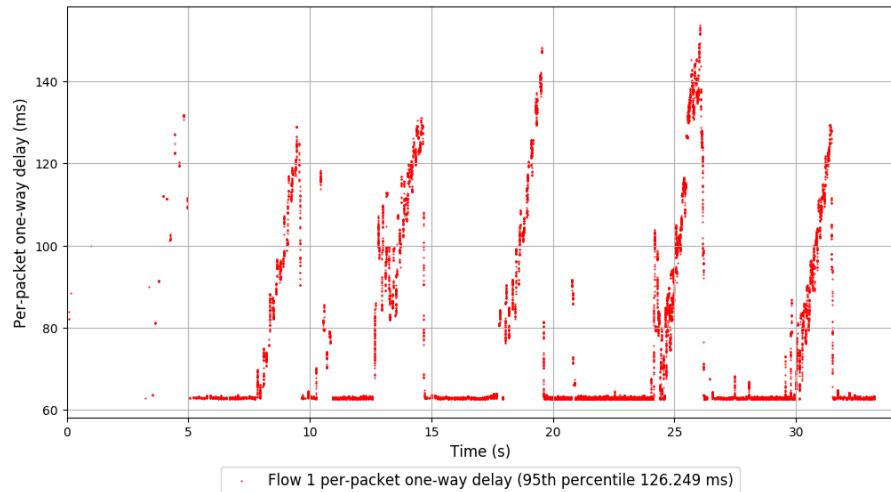
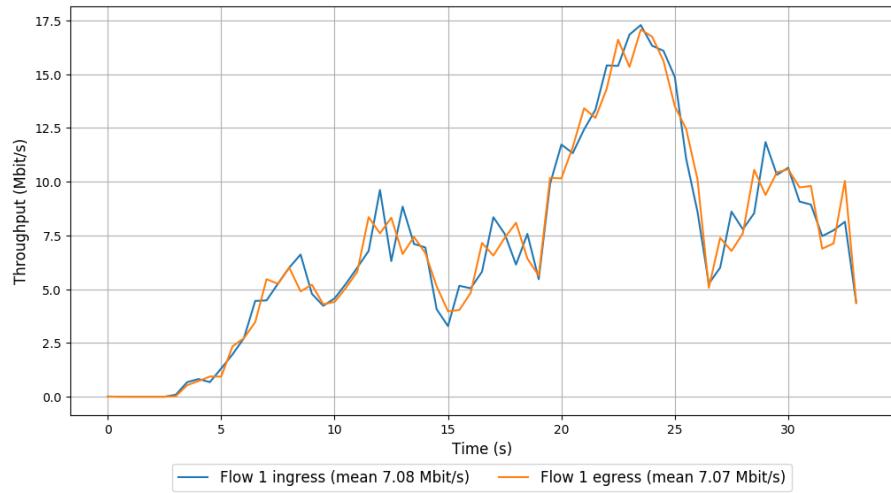


Run 4: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 00:15:59 +0000
End at: Fri, 16 Jun 2017 00:16:29 +0000
Local clock offset: 2.598 ms
Remote clock offset: -8.037 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 126.249 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 7.07 Mbit/s
95th percentile per-packet one-way delay: 126.249 ms
Loss rate: 0.23%
```

Run 4: Report of LEDBAT — Data Link

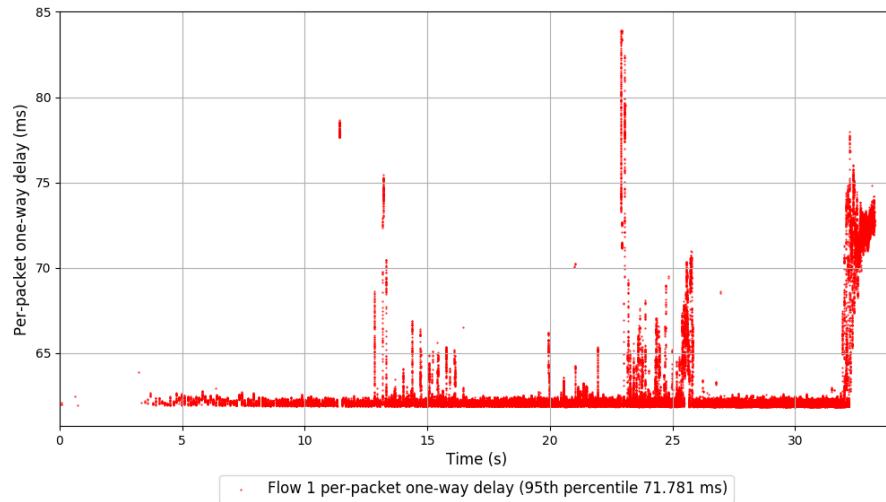
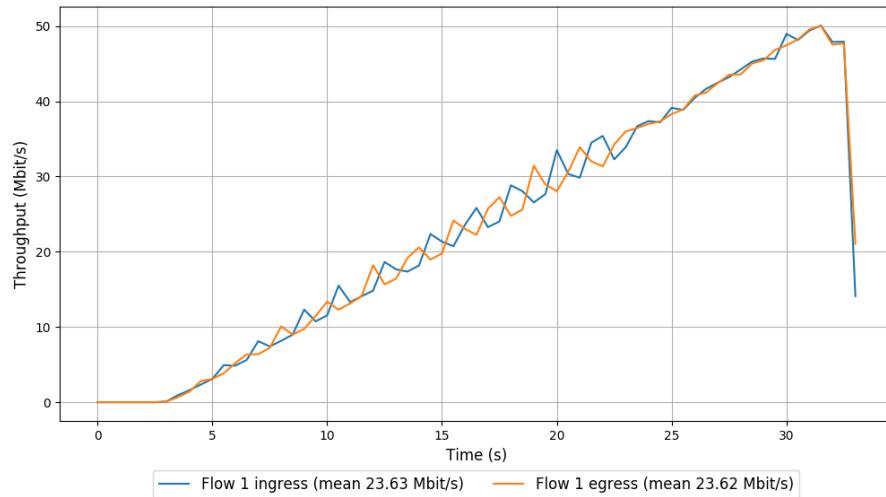


Run 5: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 00:33:09 +0000
End at: Fri, 16 Jun 2017 00:33:39 +0000
Local clock offset: 1.784 ms
Remote clock offset: -2.419 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.62 Mbit/s
95th percentile per-packet one-way delay: 71.781 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.62 Mbit/s
95th percentile per-packet one-way delay: 71.781 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

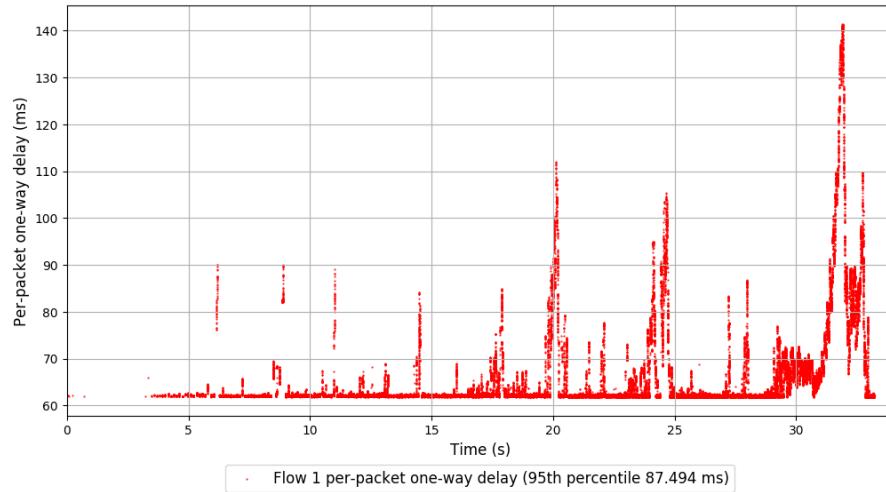
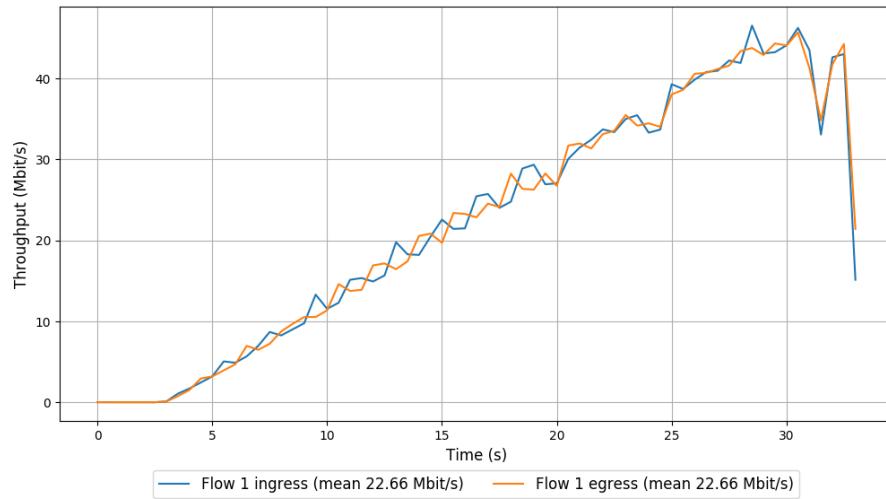


Run 6: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 00:50:47 +0000
End at: Fri, 16 Jun 2017 00:51:17 +0000
Local clock offset: 2.663 ms
Remote clock offset: -1.165 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.66 Mbit/s
95th percentile per-packet one-way delay: 87.494 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.66 Mbit/s
95th percentile per-packet one-way delay: 87.494 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

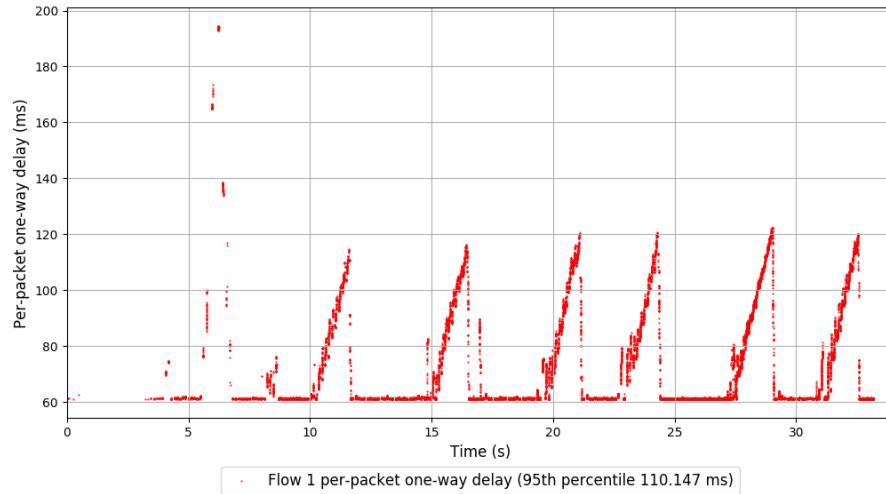
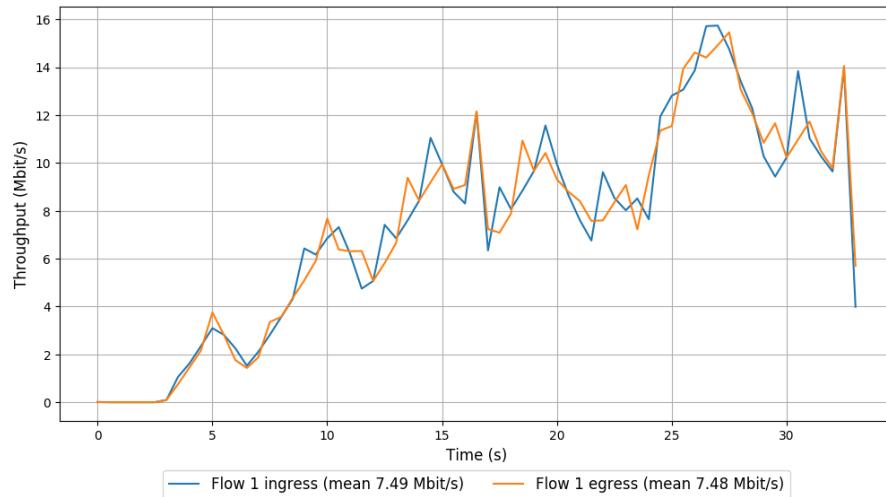


Run 7: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 01:08:03 +0000
End at: Fri, 16 Jun 2017 01:08:33 +0000
Local clock offset: 2.132 ms
Remote clock offset: -0.454 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 110.147 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 110.147 ms
Loss rate: 0.08%
```

Run 7: Report of LEDBAT — Data Link

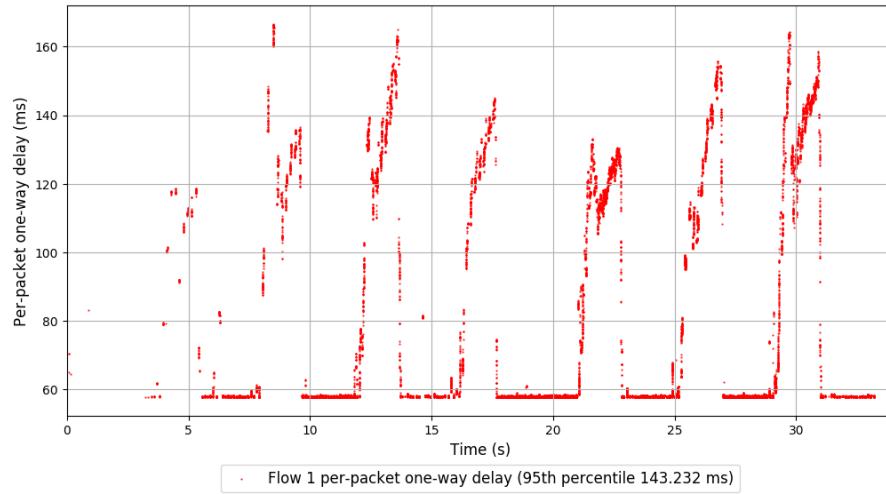
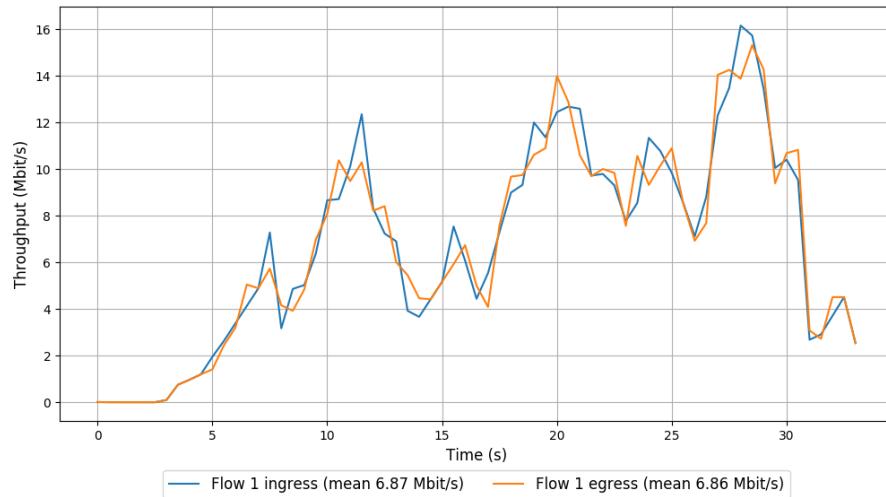


Run 8: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 01:25:36 +0000
End at: Fri, 16 Jun 2017 01:26:06 +0000
Local clock offset: -0.049 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 143.232 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 6.86 Mbit/s
95th percentile per-packet one-way delay: 143.232 ms
Loss rate: 0.13%
```

Run 8: Report of LEDBAT — Data Link

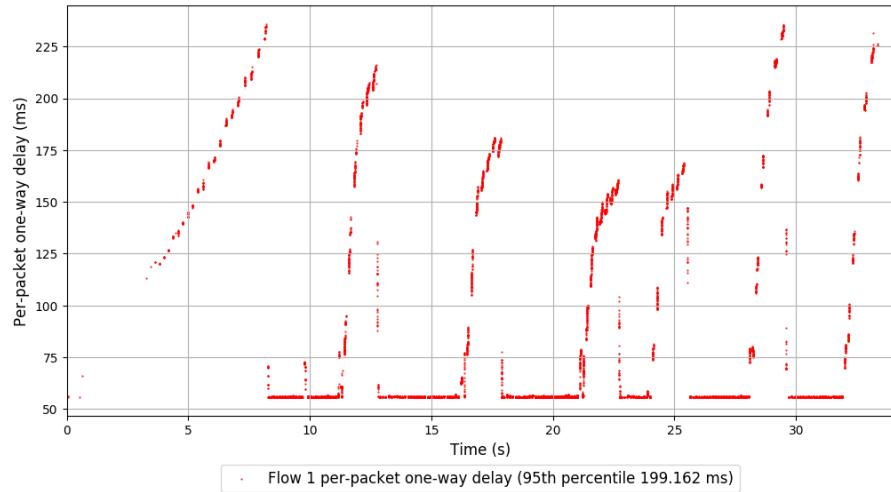
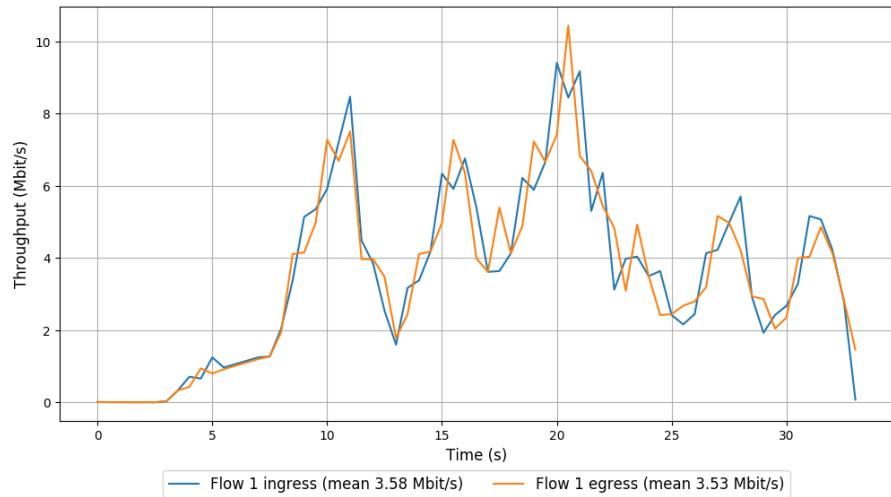


Run 9: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 01:43:11 +0000
End at: Fri, 16 Jun 2017 01:43:41 +0000
Local clock offset: -0.643 ms
Remote clock offset: -0.328 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 199.162 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 3.53 Mbit/s
95th percentile per-packet one-way delay: 199.162 ms
Loss rate: 0.88%
```

Run 9: Report of LEDBAT — Data Link

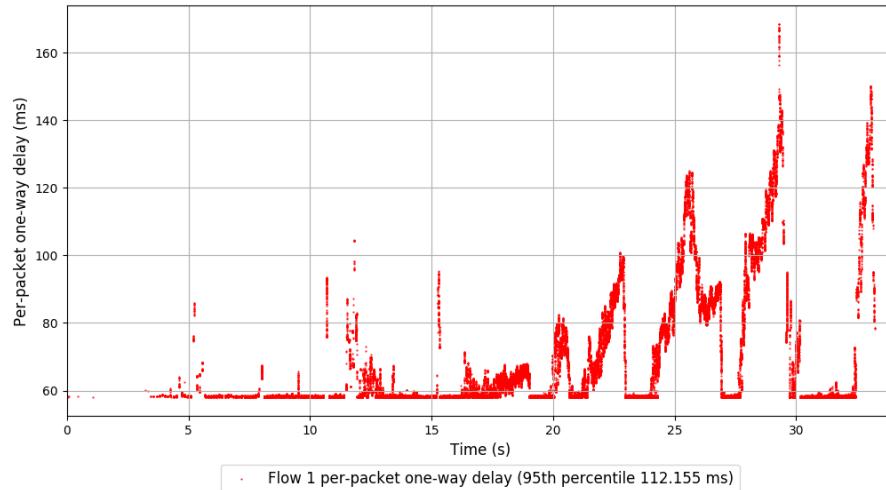
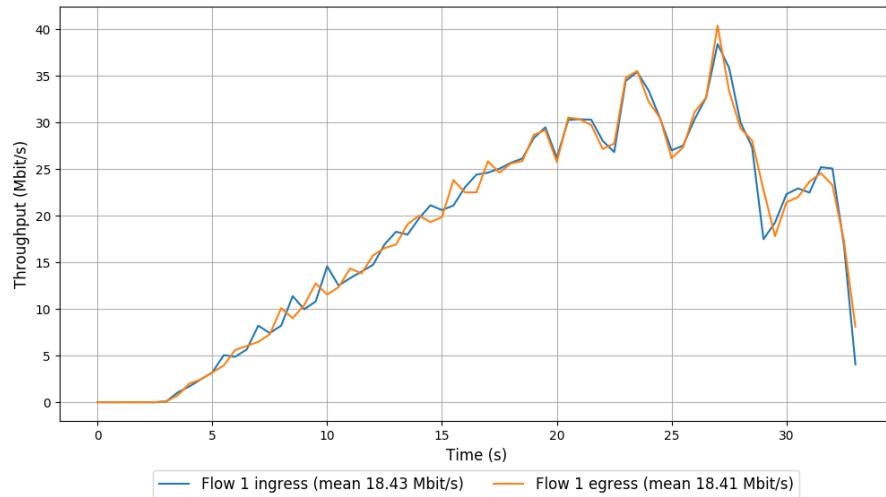


Run 10: Statistics of LEDBAT

```
Start at: Fri, 16 Jun 2017 02:00:21 +0000
End at: Fri, 16 Jun 2017 02:00:51 +0000
Local clock offset: 1.566 ms
Remote clock offset: 0.146 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 112.155 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 112.155 ms
Loss rate: 0.02%
```

Run 10: Report of LEDBAT — Data Link

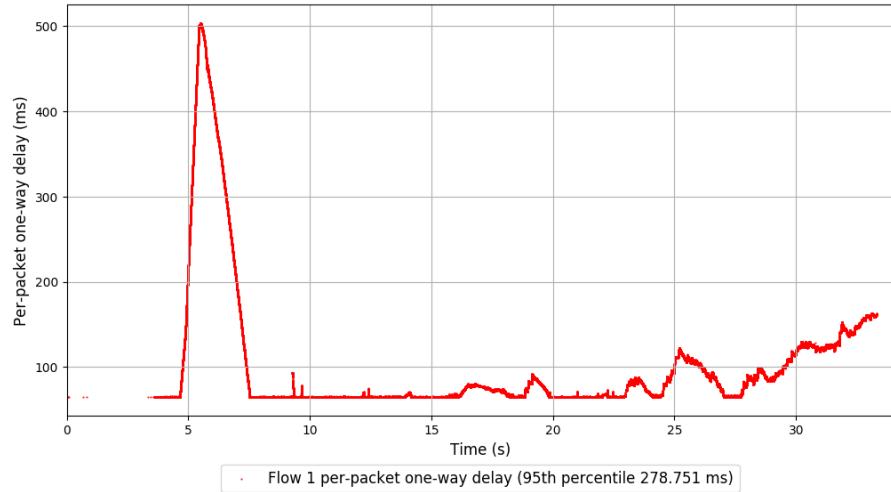
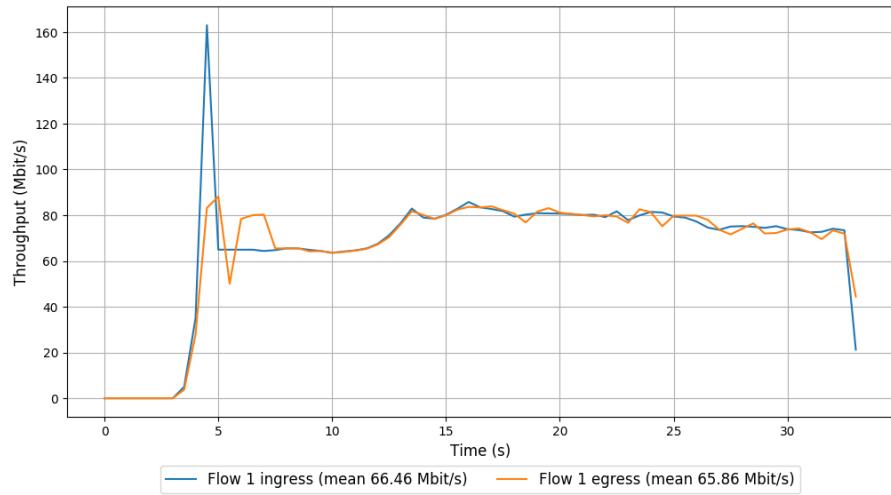


Run 1: Statistics of PCC

```
Start at: Thu, 15 Jun 2017 23:24:41 +0000
End at: Thu, 15 Jun 2017 23:25:11 +0000
Local clock offset: 2.209 ms
Remote clock offset: -5.112 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.86 Mbit/s
95th percentile per-packet one-way delay: 278.751 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 65.86 Mbit/s
95th percentile per-packet one-way delay: 278.751 ms
Loss rate: 0.61%
```

Run 1: Report of PCC — Data Link

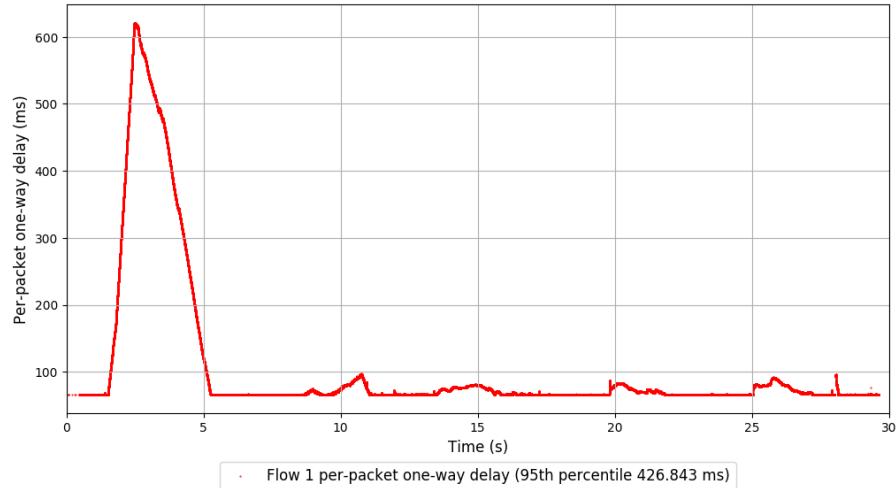
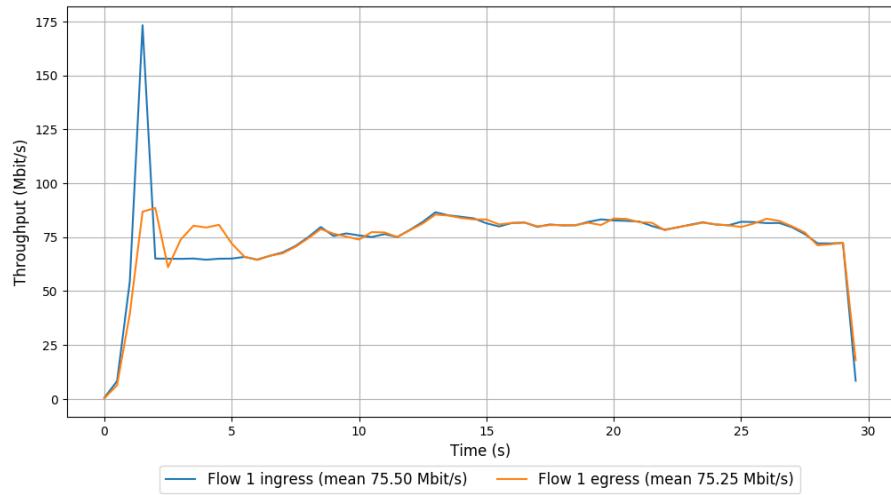


Run 2: Statistics of PCC

```
Start at: Thu, 15 Jun 2017 23:42:18 +0000
End at: Thu, 15 Jun 2017 23:42:49 +0000
Local clock offset: 3.253 ms
Remote clock offset: -5.274 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.25 Mbit/s
95th percentile per-packet one-way delay: 426.843 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 75.25 Mbit/s
95th percentile per-packet one-way delay: 426.843 ms
Loss rate: 0.33%
```

Run 2: Report of PCC — Data Link

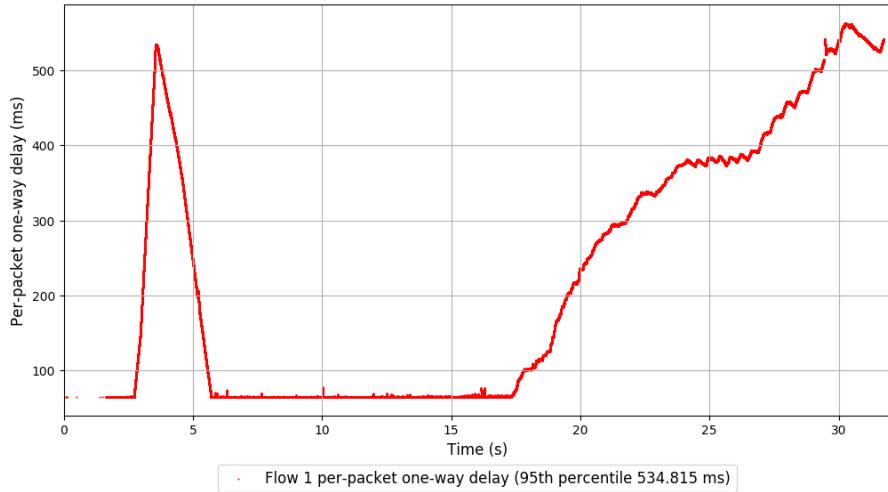
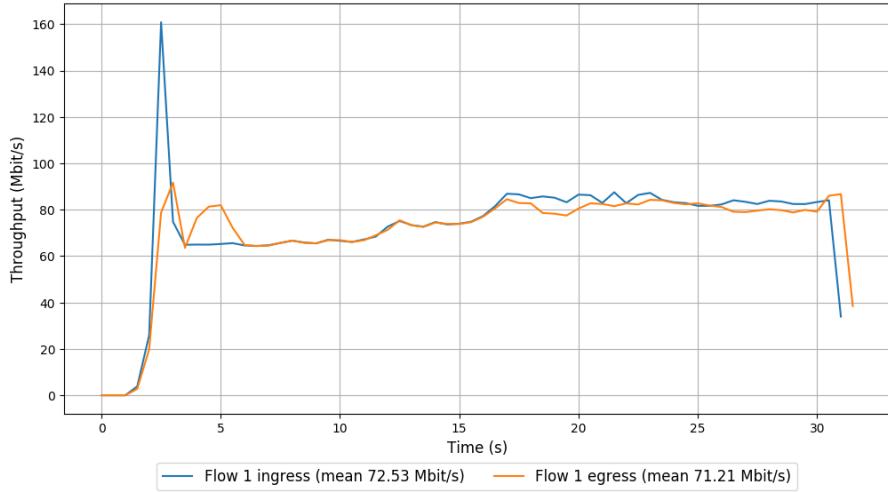


Run 3: Statistics of PCC

```
Start at: Thu, 15 Jun 2017 23:59:49 +0000
End at: Fri, 16 Jun 2017 00:00:19 +0000
Local clock offset: 2.848 ms
Remote clock offset: -4.381 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.21 Mbit/s
95th percentile per-packet one-way delay: 534.815 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 71.21 Mbit/s
95th percentile per-packet one-way delay: 534.815 ms
Loss rate: 0.31%
```

Run 3: Report of PCC — Data Link

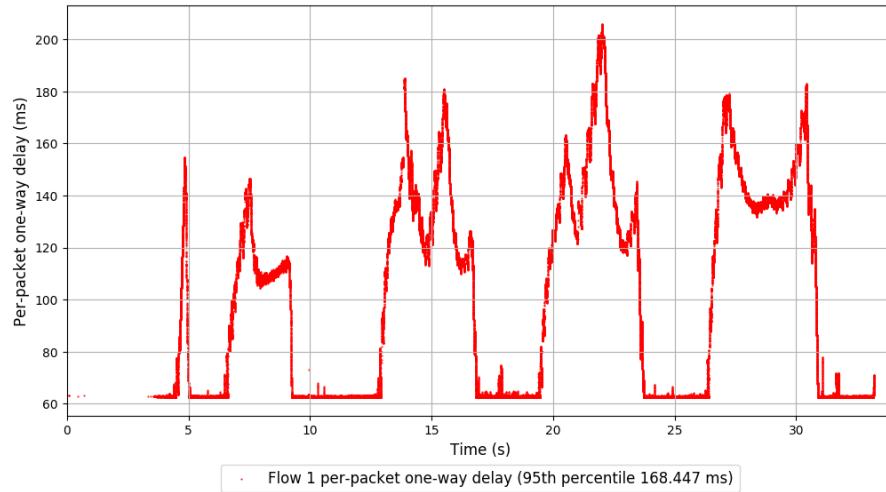
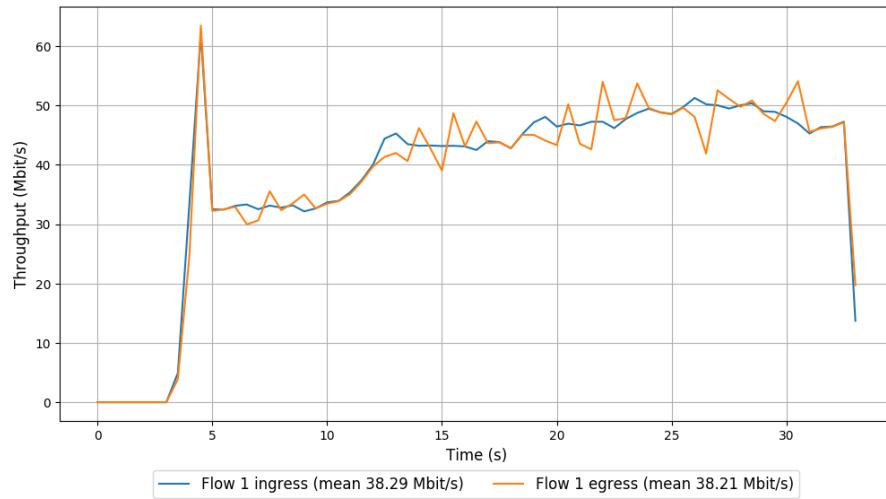


Run 4: Statistics of PCC

```
Start at: Fri, 16 Jun 2017 00:17:06 +0000
End at: Fri, 16 Jun 2017 00:17:36 +0000
Local clock offset: 2.558 ms
Remote clock offset: -3.209 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 168.447 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 38.21 Mbit/s
95th percentile per-packet one-way delay: 168.447 ms
Loss rate: 0.21%
```

Run 4: Report of PCC — Data Link

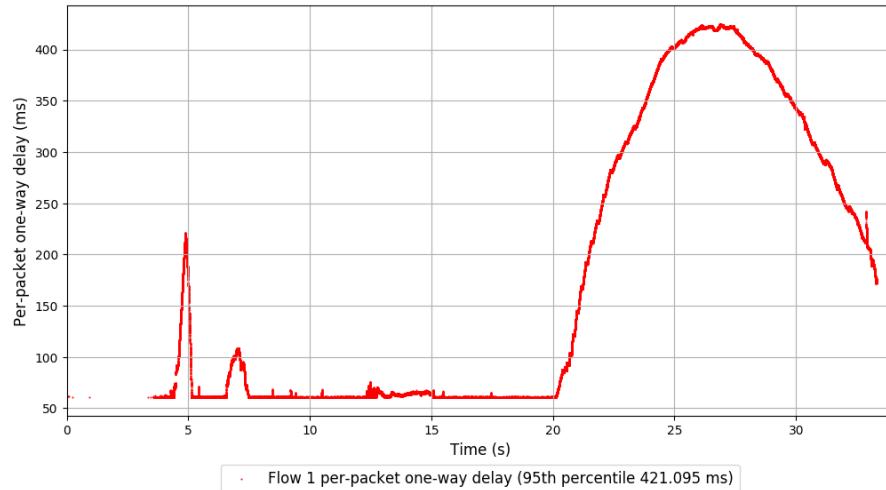
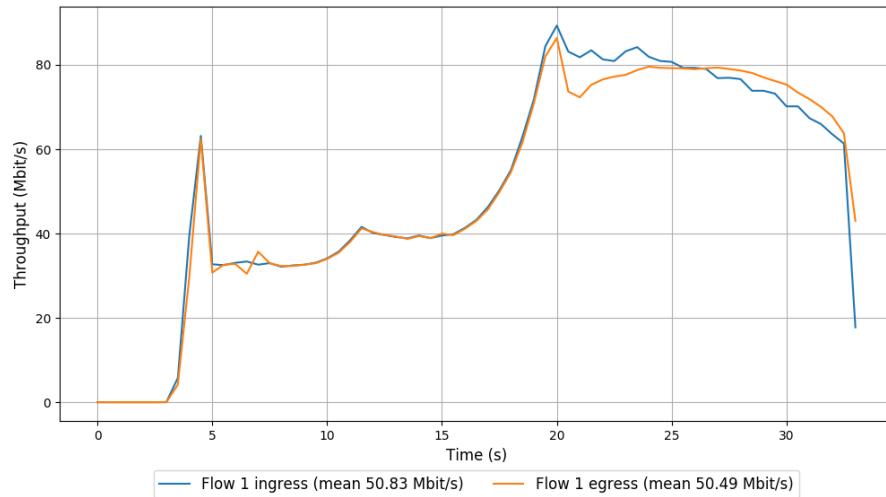


Run 5: Statistics of PCC

```
Start at: Fri, 16 Jun 2017 00:34:17 +0000
End at: Fri, 16 Jun 2017 00:34:47 +0000
Local clock offset: 1.791 ms
Remote clock offset: -2.353 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 421.095 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 50.49 Mbit/s
95th percentile per-packet one-way delay: 421.095 ms
Loss rate: 0.33%
```

Run 5: Report of PCC — Data Link

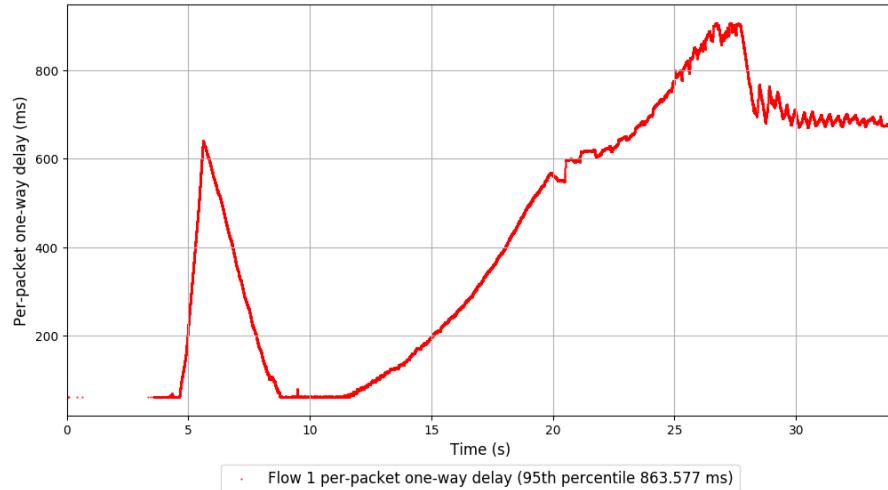
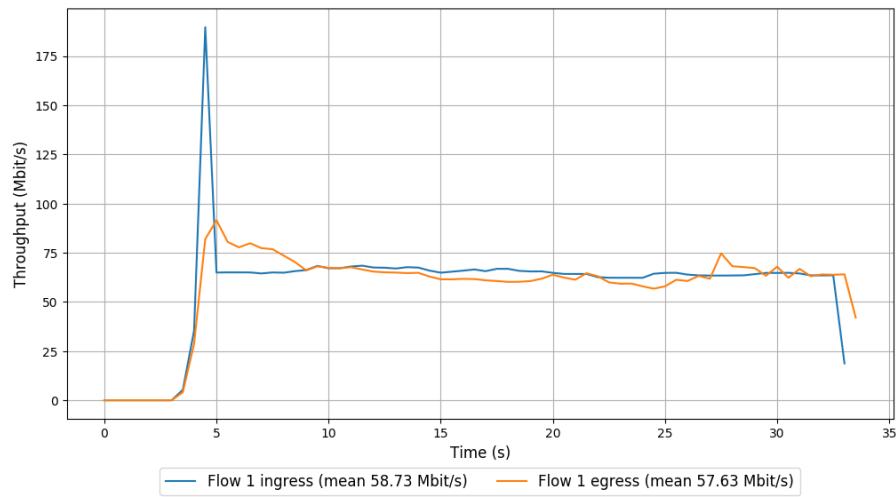


Run 6: Statistics of PCC

```
Start at: Fri, 16 Jun 2017 00:51:55 +0000
End at: Fri, 16 Jun 2017 00:52:25 +0000
Local clock offset: 2.65 ms
Remote clock offset: -1.09 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 863.577 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 57.63 Mbit/s
95th percentile per-packet one-way delay: 863.577 ms
Loss rate: 0.05%
```

Run 6: Report of PCC — Data Link

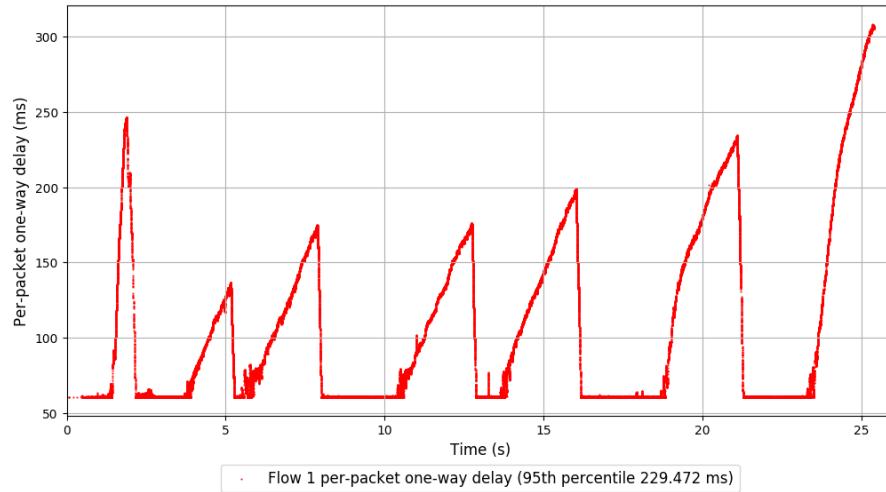
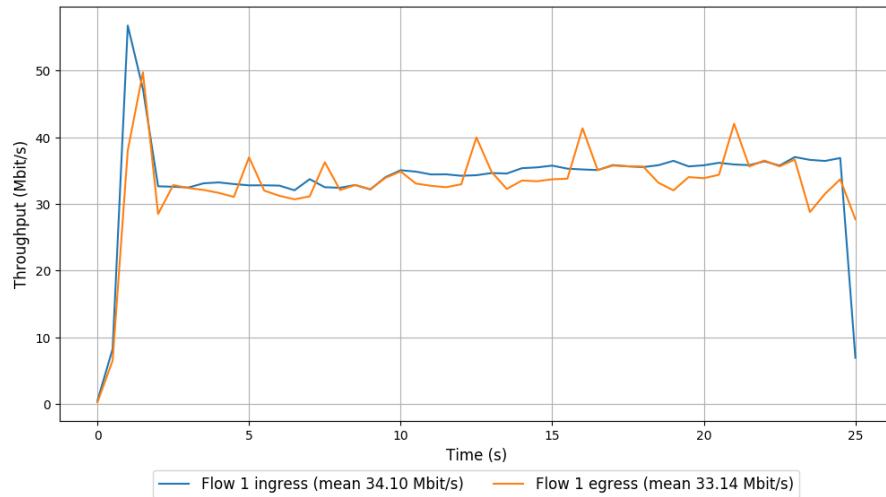


Run 7: Statistics of PCC

```
Start at: Fri, 16 Jun 2017 01:09:10 +0000
End at: Fri, 16 Jun 2017 01:09:40 +0000
Local clock offset: 2.09 ms
Remote clock offset: -0.374 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.14 Mbit/s
95th percentile per-packet one-way delay: 229.472 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 33.14 Mbit/s
95th percentile per-packet one-way delay: 229.472 ms
Loss rate: 1.87%
```

Run 7: Report of PCC — Data Link

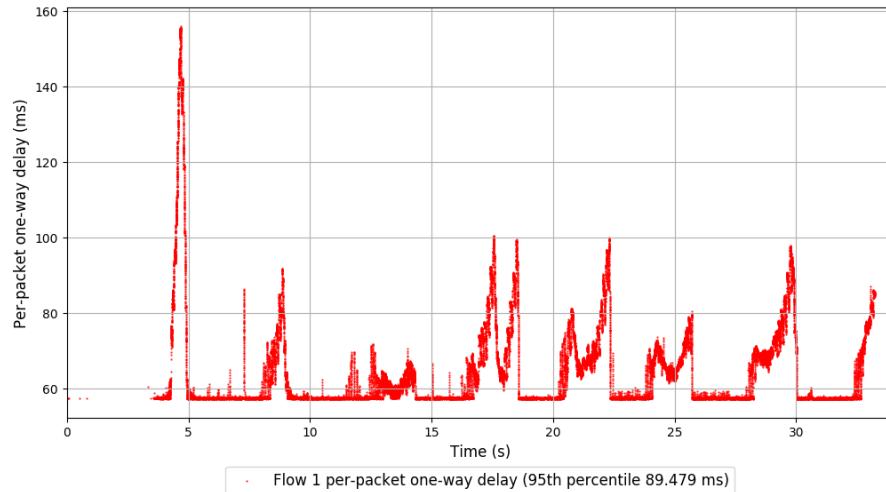
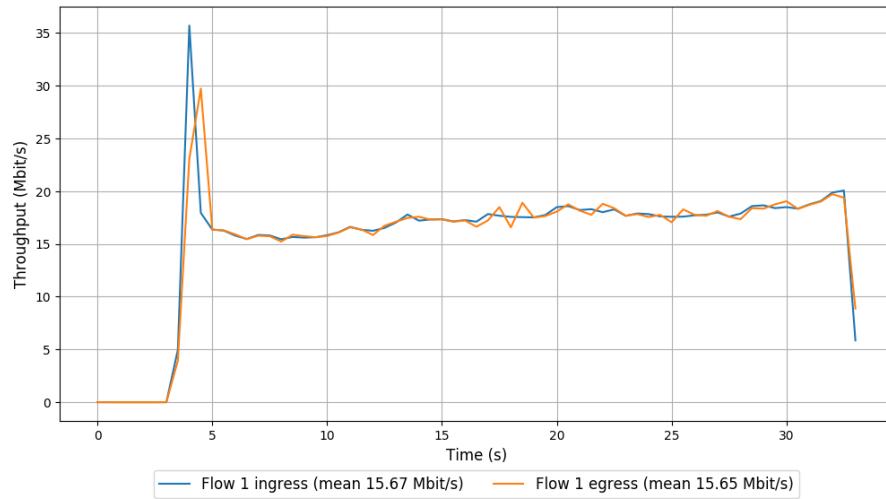


Run 8: Statistics of PCC

```
Start at: Fri, 16 Jun 2017 01:26:43 +0000
End at: Fri, 16 Jun 2017 01:27:13 +0000
Local clock offset: -0.185 ms
Remote clock offset: 0.205 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 89.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 89.479 ms
Loss rate: 0.00%
```

Run 8: Report of PCC — Data Link

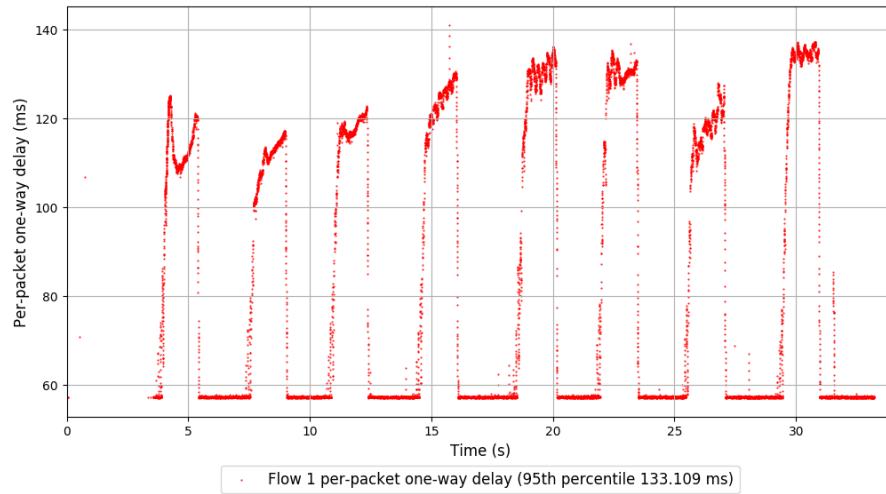
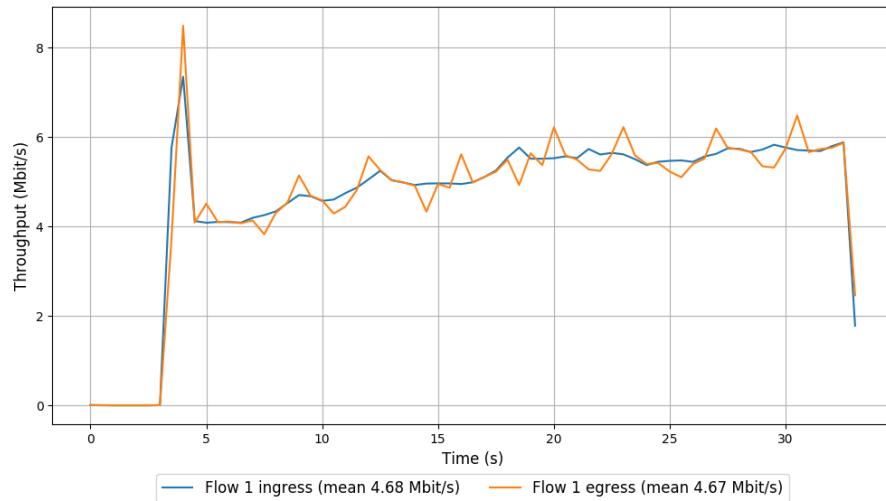


Run 9: Statistics of PCC

```
Start at: Fri, 16 Jun 2017 01:44:19 +0000
End at: Fri, 16 Jun 2017 01:44:49 +0000
Local clock offset: -0.63 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 133.109 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 4.67 Mbit/s
95th percentile per-packet one-way delay: 133.109 ms
Loss rate: 0.27%
```

Run 9: Report of PCC — Data Link

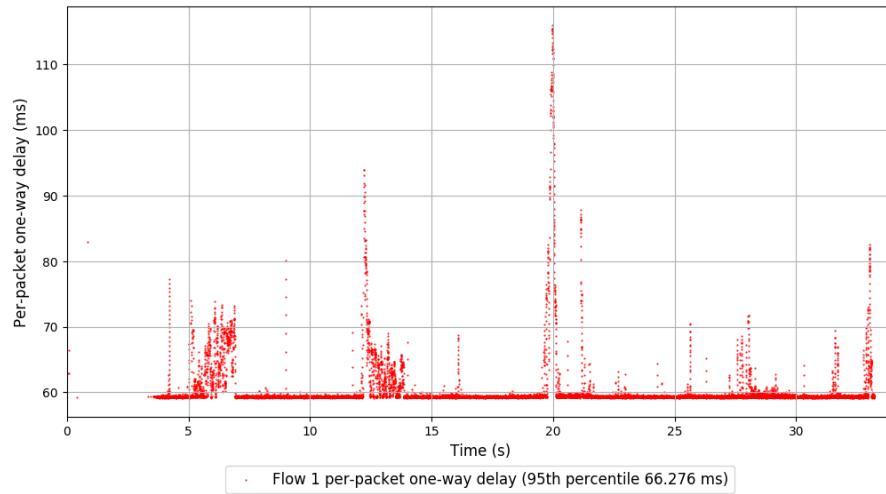
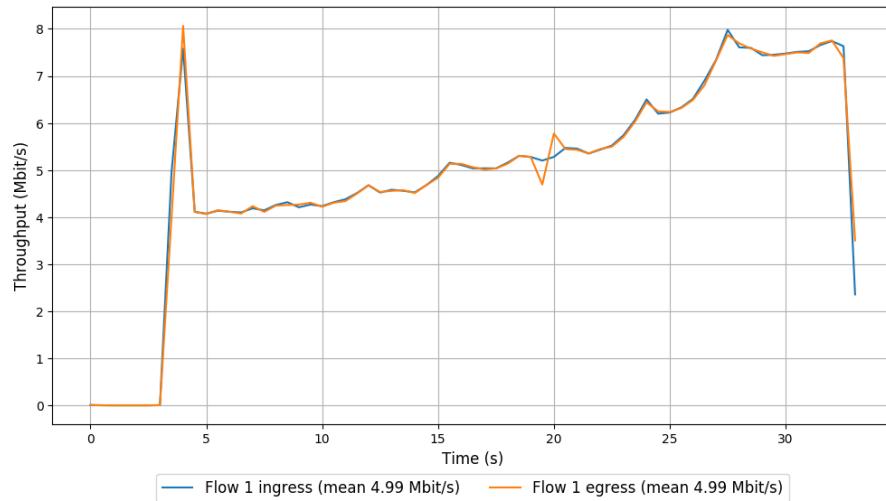


Run 10: Statistics of PCC

```
Start at: Fri, 16 Jun 2017 02:01:29 +0000
End at: Fri, 16 Jun 2017 02:01:59 +0000
Local clock offset: 1.704 ms
Remote clock offset: 0.543 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 66.276 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.99 Mbit/s
95th percentile per-packet one-way delay: 66.276 ms
Loss rate: 0.01%
```

Run 10: Report of PCC — Data Link

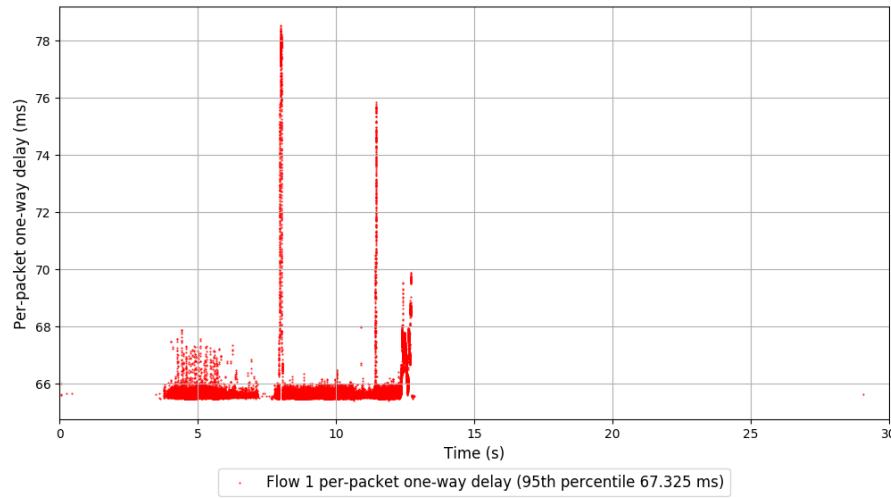
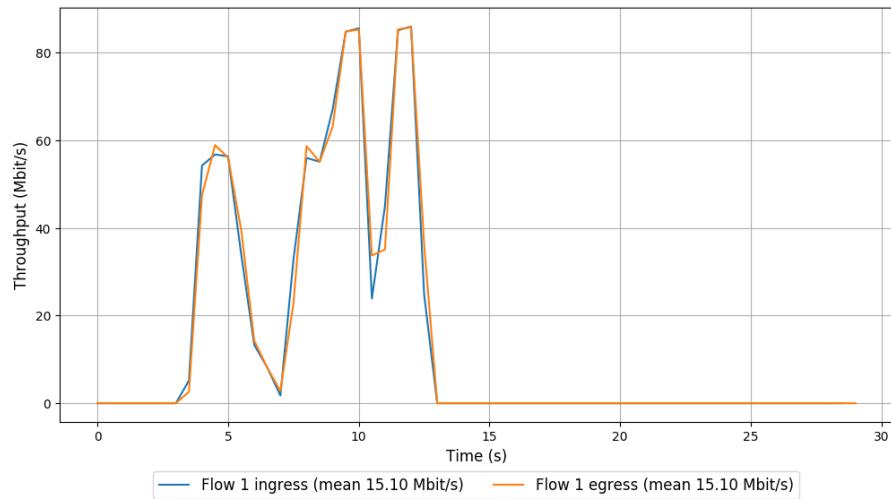


Run 1: Statistics of QUIC Cubic (toy)

```
Start at: Thu, 15 Jun 2017 23:13:02 +0000
End at: Thu, 15 Jun 2017 23:13:32 +0000
Local clock offset: 2.308 ms
Remote clock offset: -5.197 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.10 Mbit/s
95th percentile per-packet one-way delay: 67.325 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.10 Mbit/s
95th percentile per-packet one-way delay: 67.325 ms
Loss rate: 0.00%
```

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

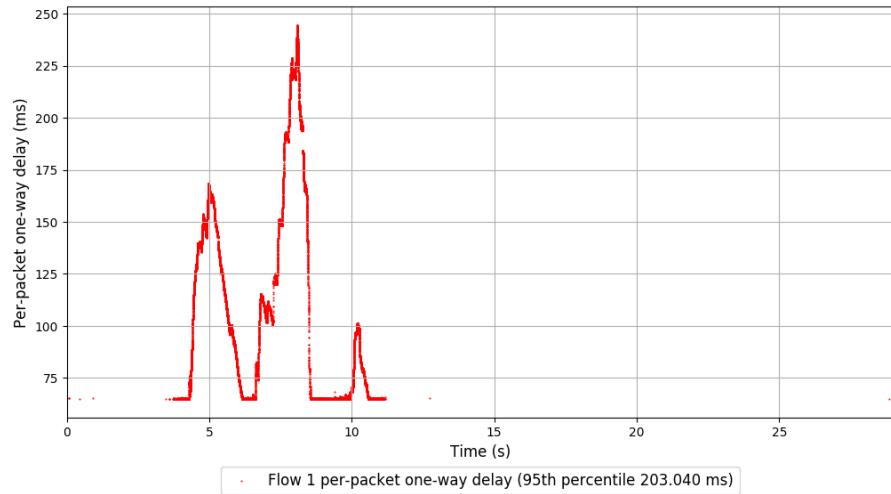
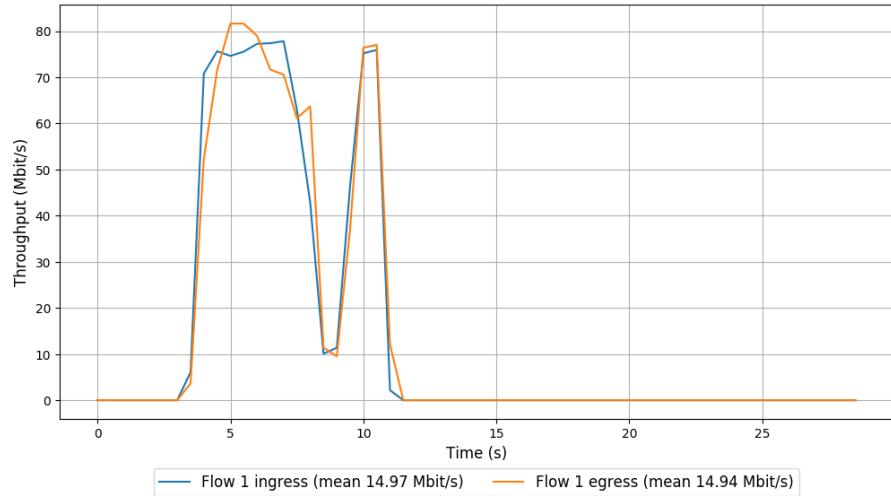


Run 2: Statistics of QUIC Cubic (toy)

```
Start at: Thu, 15 Jun 2017 23:30:37 +0000
End at: Thu, 15 Jun 2017 23:31:07 +0000
Local clock offset: 2.518 ms
Remote clock offset: -5.151 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 203.040 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 14.94 Mbit/s
95th percentile per-packet one-way delay: 203.040 ms
Loss rate: 0.20%
```

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

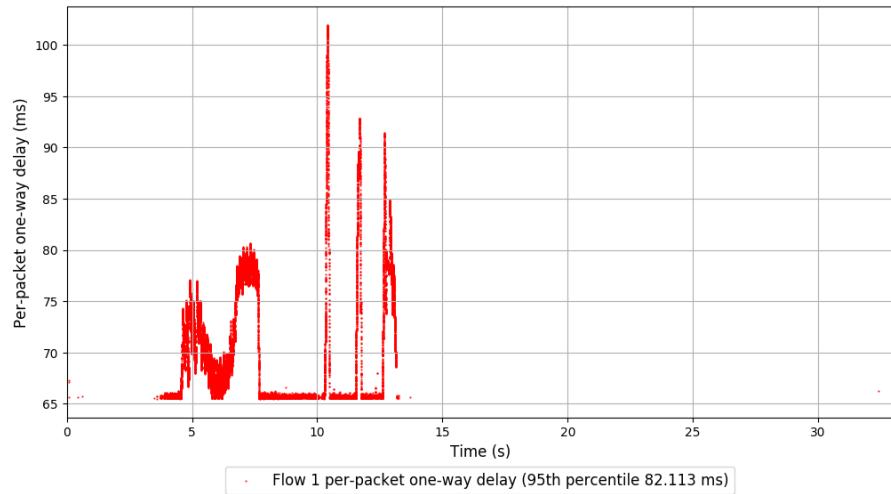
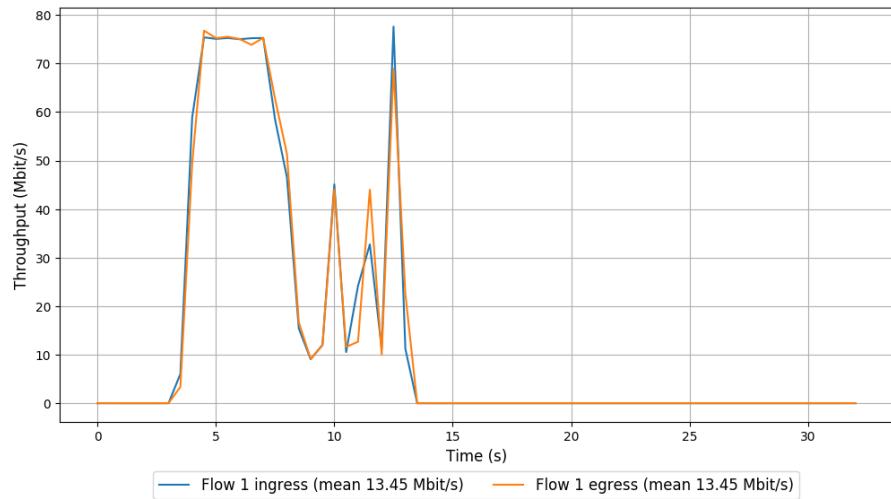


Run 3: Statistics of QUIC Cubic (toy)

```
Start at: Thu, 15 Jun 2017 23:48:06 +0000
End at: Thu, 15 Jun 2017 23:48:36 +0000
Local clock offset: 3.079 ms
Remote clock offset: -4.559 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.45 Mbit/s
95th percentile per-packet one-way delay: 82.113 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.45 Mbit/s
95th percentile per-packet one-way delay: 82.113 ms
Loss rate: 0.00%
```

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

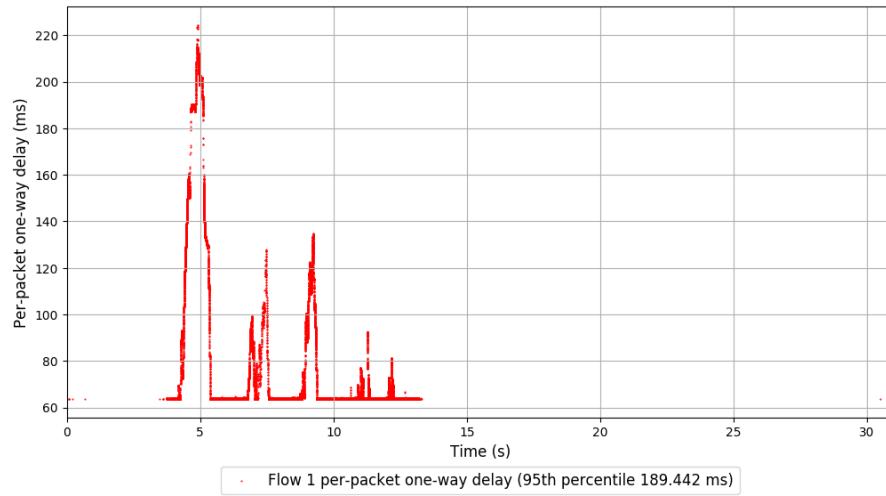
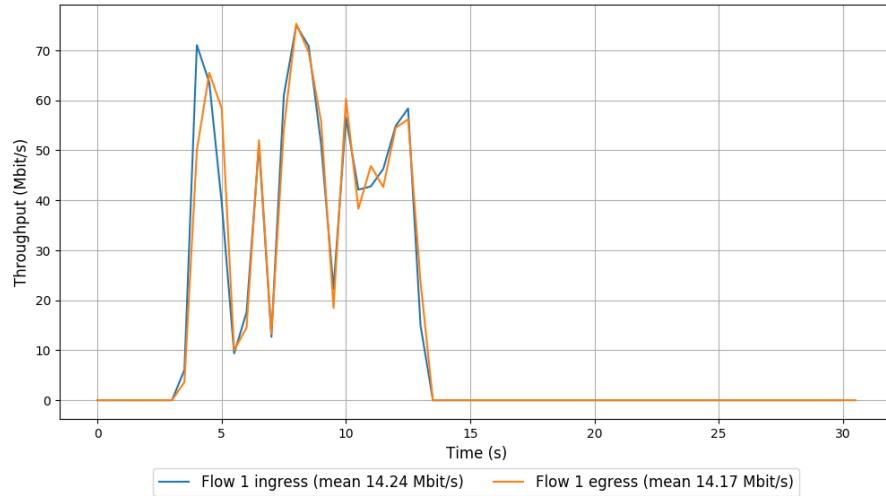


Run 4: Statistics of QUIC Cubic (toy)

```
Start at: Fri, 16 Jun 2017 00:05:39 +0000
End at: Fri, 16 Jun 2017 00:06:09 +0000
Local clock offset: 2.779 ms
Remote clock offset: -4.032 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:32:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.17 Mbit/s
95th percentile per-packet one-way delay: 189.442 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 14.17 Mbit/s
95th percentile per-packet one-way delay: 189.442 ms
Loss rate: 0.44%
```

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

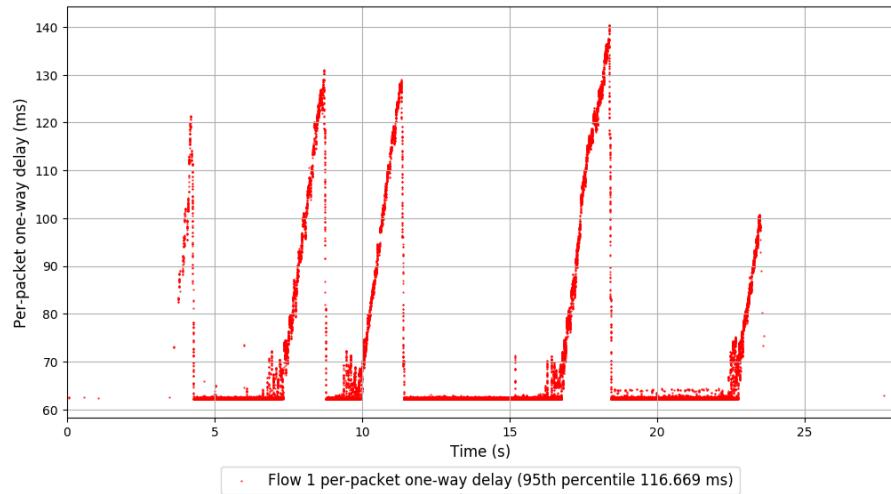
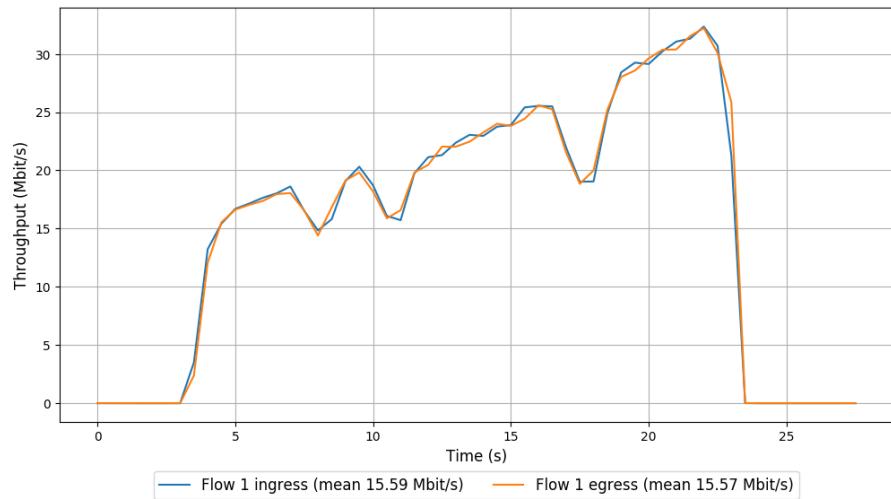


Run 5: Statistics of QUIC Cubic (toy)

```
Start at: Fri, 16 Jun 2017 00:22:48 +0000
End at: Fri, 16 Jun 2017 00:23:18 +0000
Local clock offset: 2.323 ms
Remote clock offset: -3.071 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 116.669 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: 116.669 ms
Loss rate: 0.10%
```

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

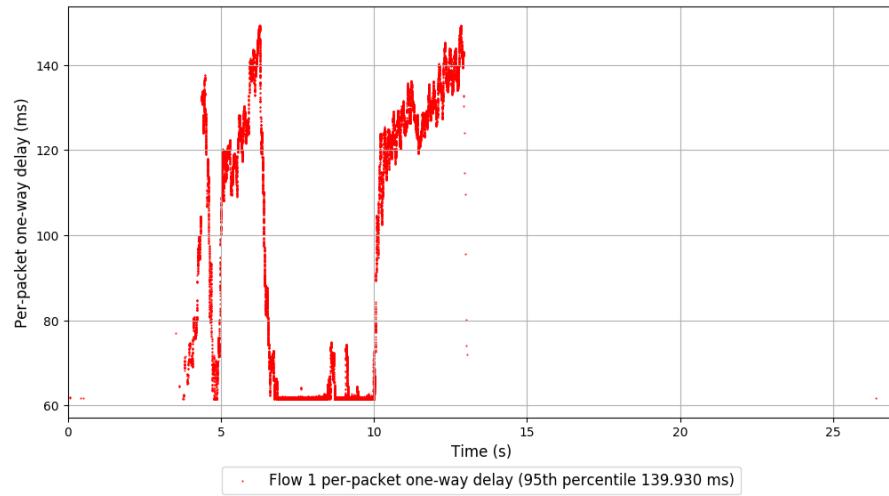
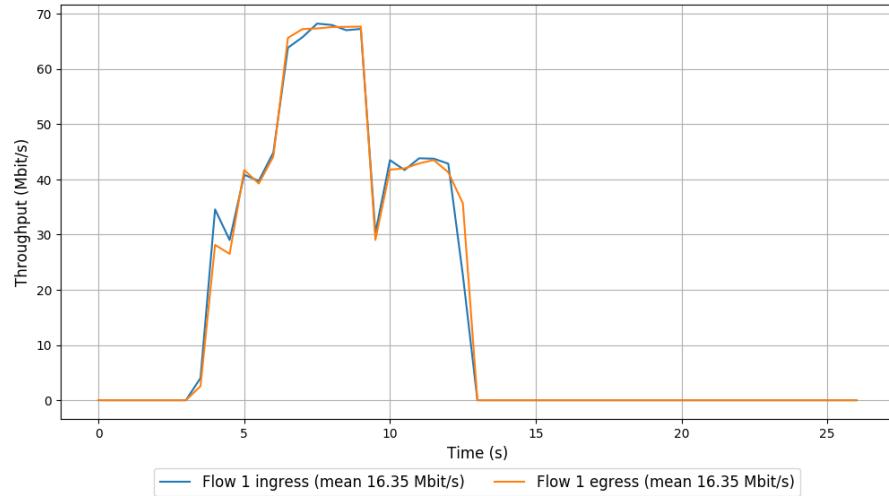


Run 6: Statistics of QUIC Cubic (toy)

```
Start at: Fri, 16 Jun 2017 00:40:16 +0000
End at: Fri, 16 Jun 2017 00:40:46 +0000
Local clock offset: 2.101 ms
Remote clock offset: -1.945 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 139.930 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 16.35 Mbit/s
95th percentile per-packet one-way delay: 139.930 ms
Loss rate: 0.02%
```

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

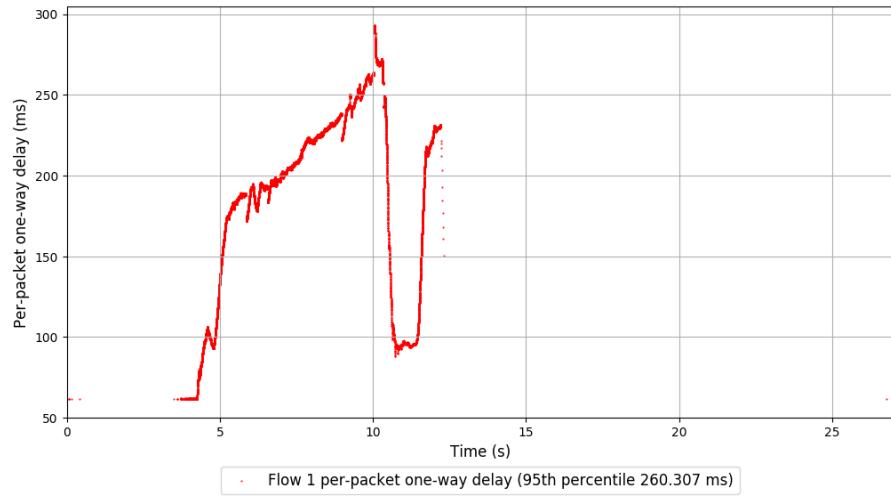
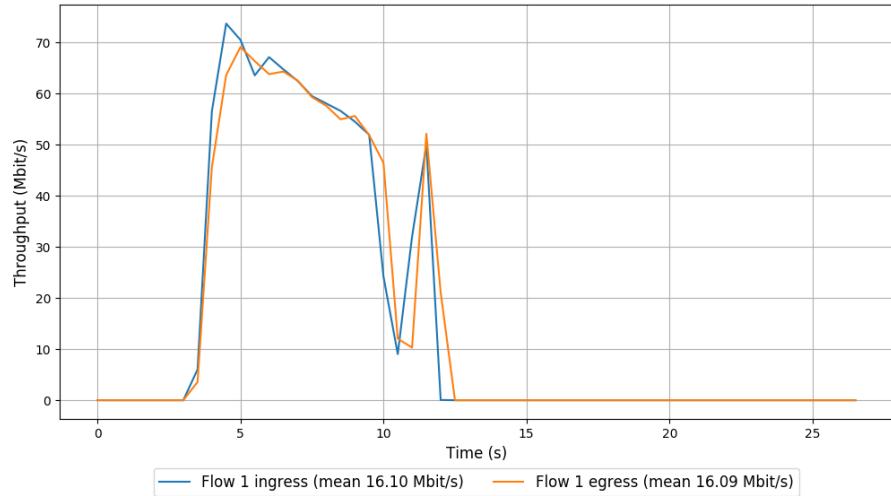


Run 7: Statistics of QUIC Cubic (toy)

```
Start at: Fri, 16 Jun 2017 00:57:40 +0000
End at: Fri, 16 Jun 2017 00:58:10 +0000
Local clock offset: 2.394 ms
Remote clock offset: -0.953 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.09 Mbit/s
95th percentile per-packet one-way delay: 260.307 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 16.09 Mbit/s
95th percentile per-packet one-way delay: 260.307 ms
Loss rate: 0.04%
```

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

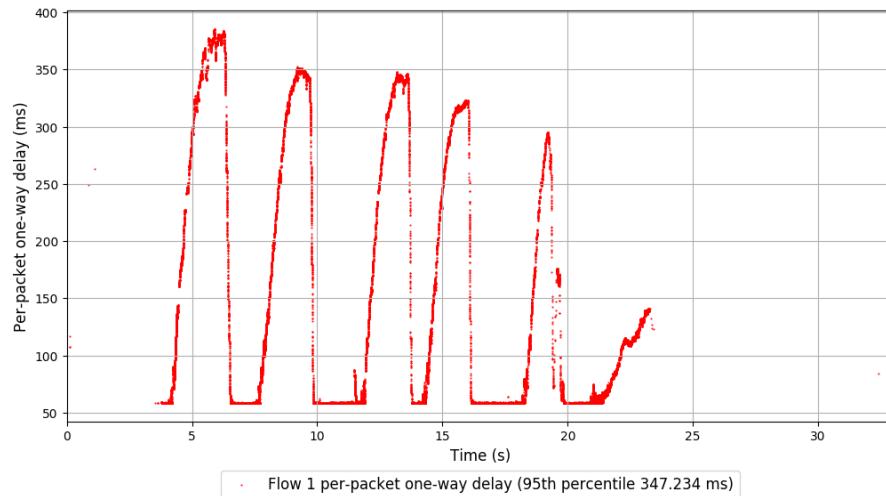
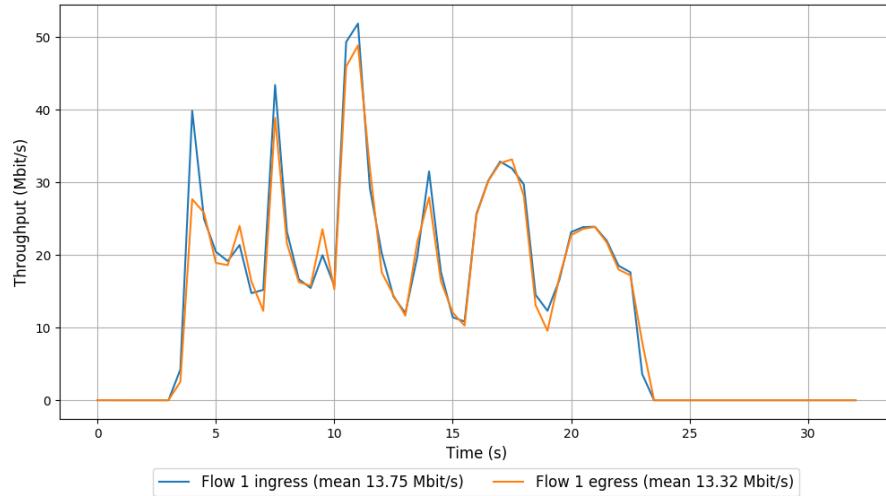


Run 8: Statistics of QUIC Cubic (toy)

```
Start at: Fri, 16 Jun 2017 01:15:09 +0000
End at: Fri, 16 Jun 2017 01:15:39 +0000
Local clock offset: 1.233 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 347.234 ms
Loss rate: 3.17%
-- Flow 1:
Average throughput: 13.32 Mbit/s
95th percentile per-packet one-way delay: 347.234 ms
Loss rate: 3.17%
```

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

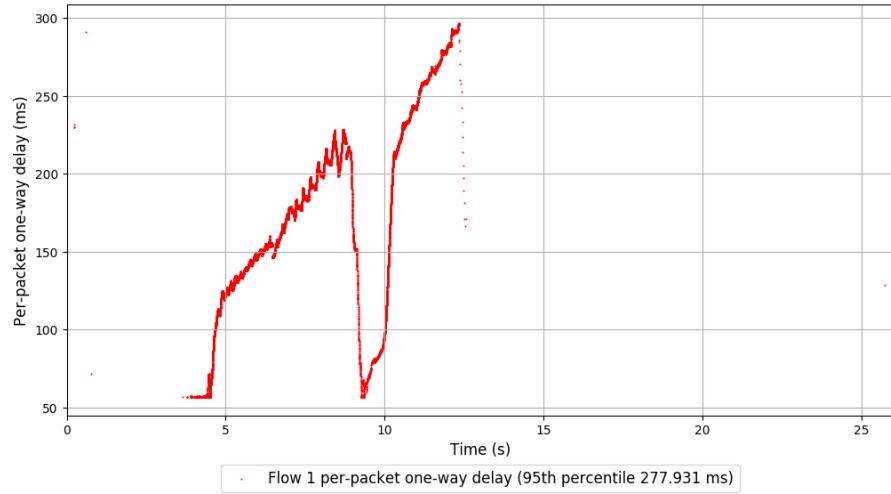
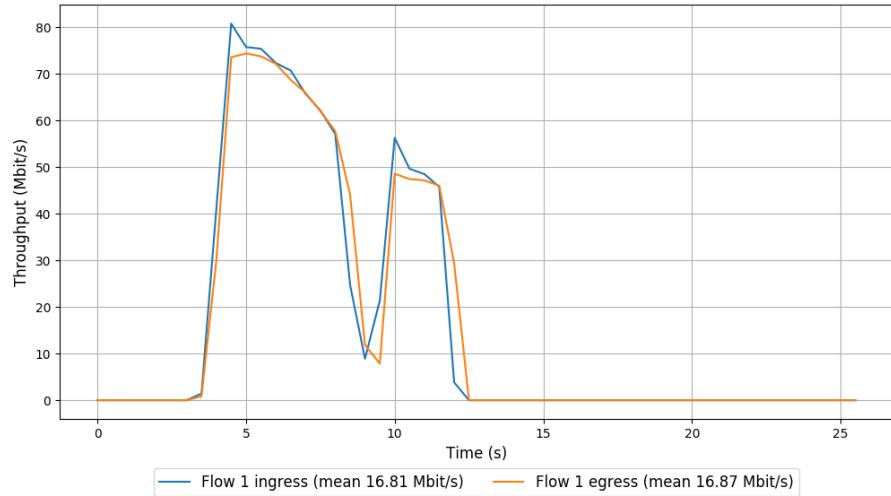


Run 9: Statistics of QUIC Cubic (toy)

```
Start at: Fri, 16 Jun 2017 01:32:37 +0000
End at: Fri, 16 Jun 2017 01:33:07 +0000
Local clock offset: -0.327 ms
Remote clock offset: 0.144 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 277.931 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.87 Mbit/s
95th percentile per-packet one-way delay: 277.931 ms
Loss rate: 0.00%
```

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



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

```
Start at: Fri, 16 Jun 2017 01:50:00 +0000
```

```
End at: Fri, 16 Jun 2017 01:50:30 +0000
```

```
Local clock offset: 0.451 ms
```

```
Remote clock offset: -0.17 ms
```

```
# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:07 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 16.70 Mbit/s
```

```
95th percentile per-packet one-way delay: 424.037 ms
```

```
Loss rate: 1.80%
```

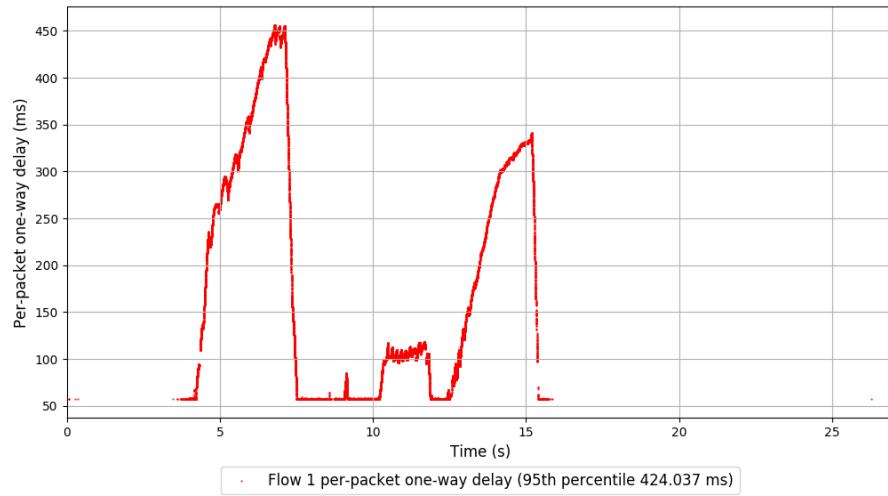
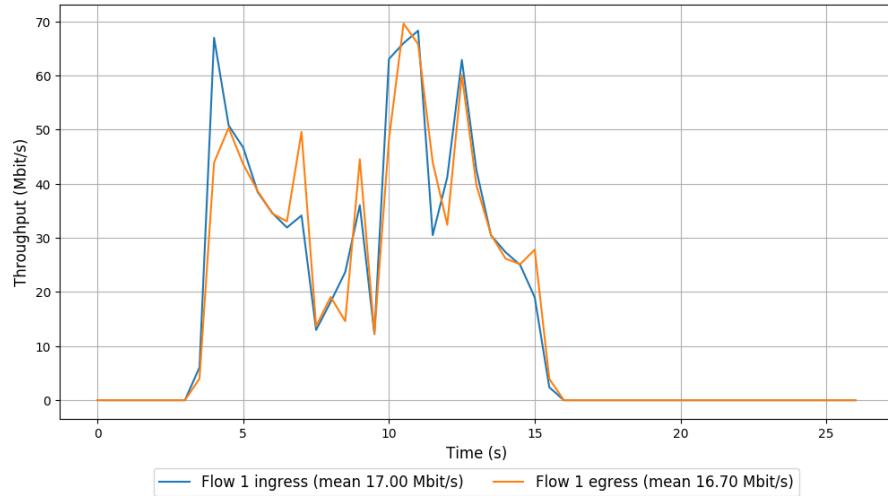
```
-- Flow 1:
```

```
Average throughput: 16.70 Mbit/s
```

```
95th percentile per-packet one-way delay: 424.037 ms
```

```
Loss rate: 1.80%
```

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



Run 1: Statistics of Saturator

Start at: Thu, 15 Jun 2017 23:18:54 +0000

End at: Thu, 15 Jun 2017 23:19:24 +0000

Local clock offset: 2.297 ms

Remote clock offset: -4.962 ms

Below is generated by plot.py at Fri, 16 Jun 2017 05:33:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.63 Mbit/s

95th percentile per-packet one-way delay: 65.693 ms

Loss rate: 0.00%

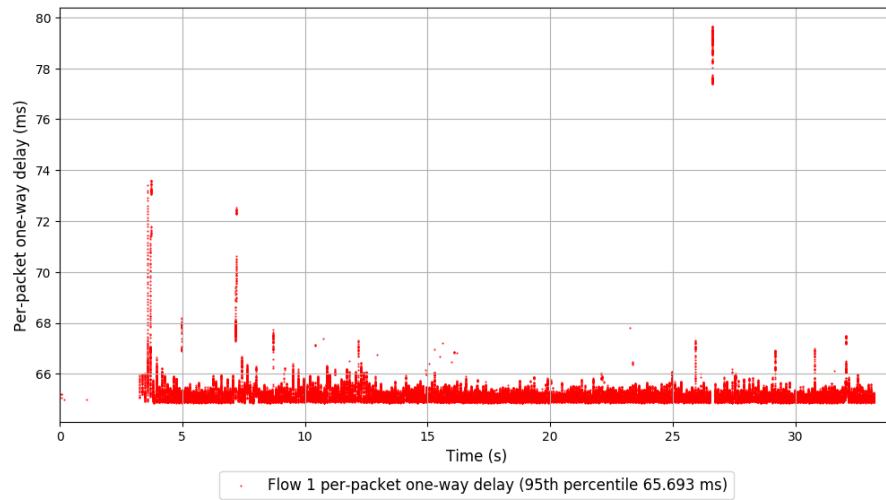
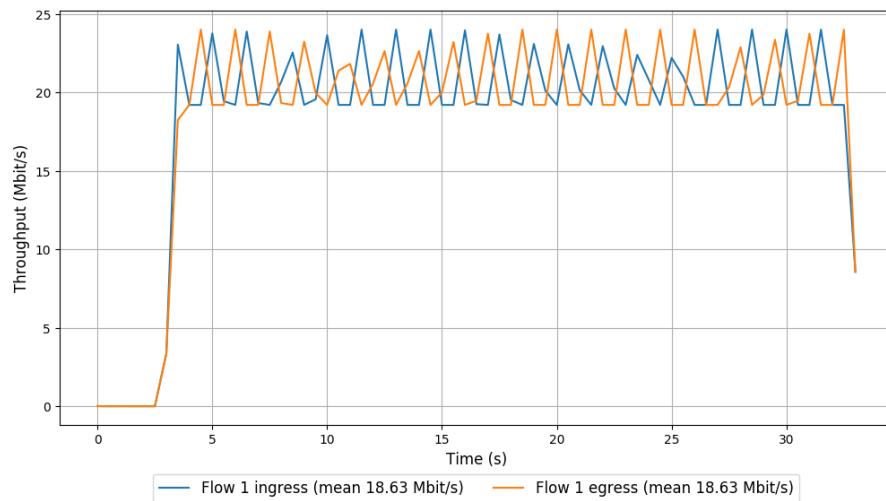
-- Flow 1:

Average throughput: 18.63 Mbit/s

95th percentile per-packet one-way delay: 65.693 ms

Loss rate: 0.00%

Run 1: Report of Saturator — Data Link

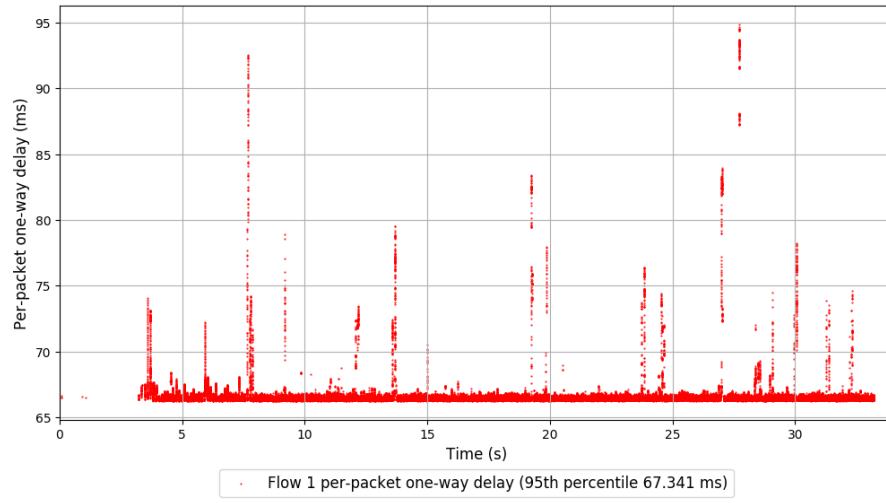
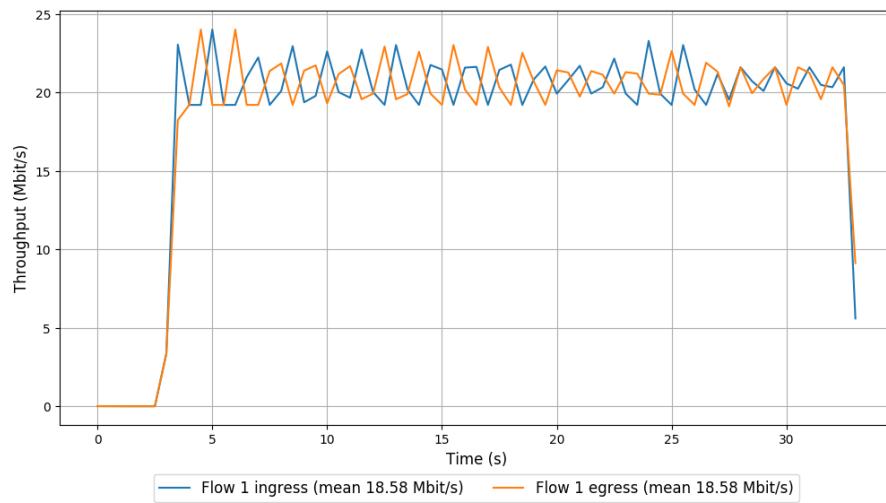


Run 2: Statistics of Saturator

```
Start at: Thu, 15 Jun 2017 23:36:22 +0000
End at: Thu, 15 Jun 2017 23:36:52 +0000
Local clock offset: 3.198 ms
Remote clock offset: -5.076 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 67.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.58 Mbit/s
95th percentile per-packet one-way delay: 67.341 ms
Loss rate: 0.00%
```

Run 2: Report of Saturator — Data Link

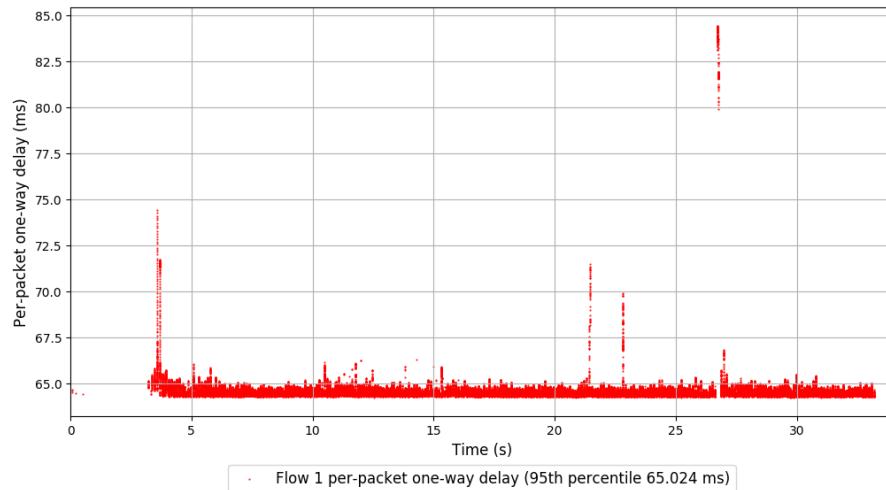
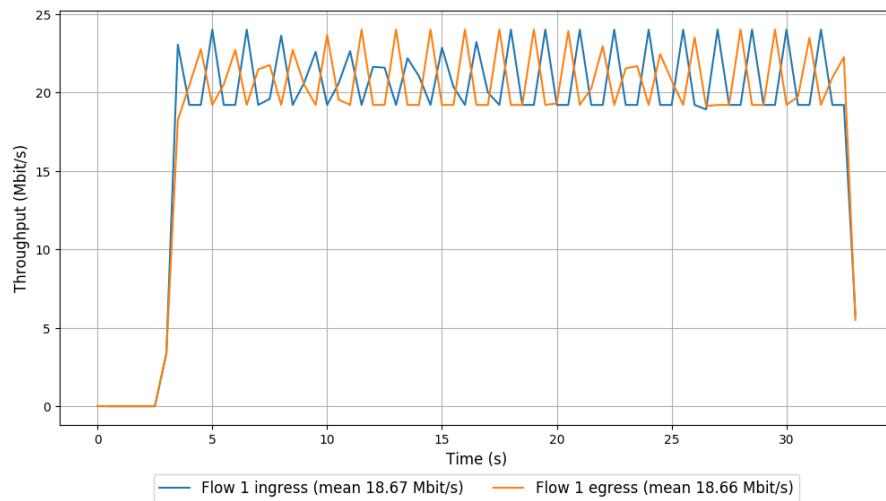


Run 3: Statistics of Saturator

```
Start at: Thu, 15 Jun 2017 23:53:53 +0000
End at: Thu, 15 Jun 2017 23:54:23 +0000
Local clock offset: 3.014 ms
Remote clock offset: -4.431 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 65.024 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 18.66 Mbit/s
95th percentile per-packet one-way delay: 65.024 ms
Loss rate: 0.05%
```

Run 3: Report of Saturator — Data Link

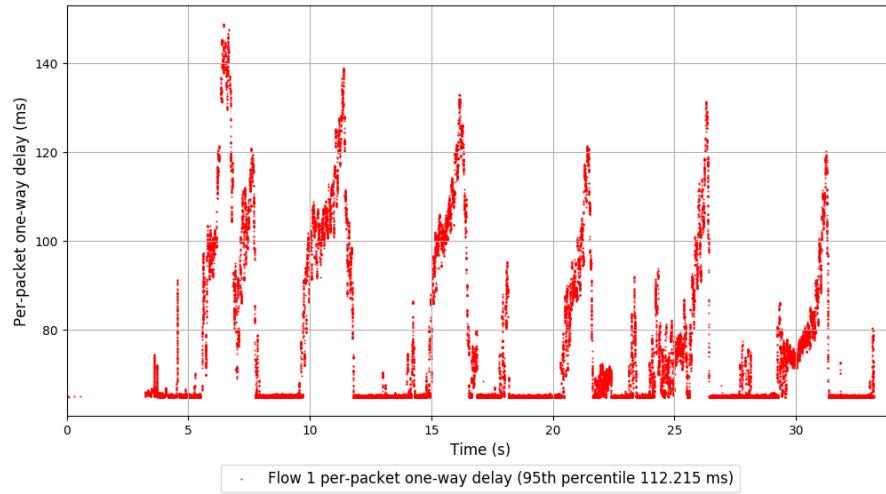
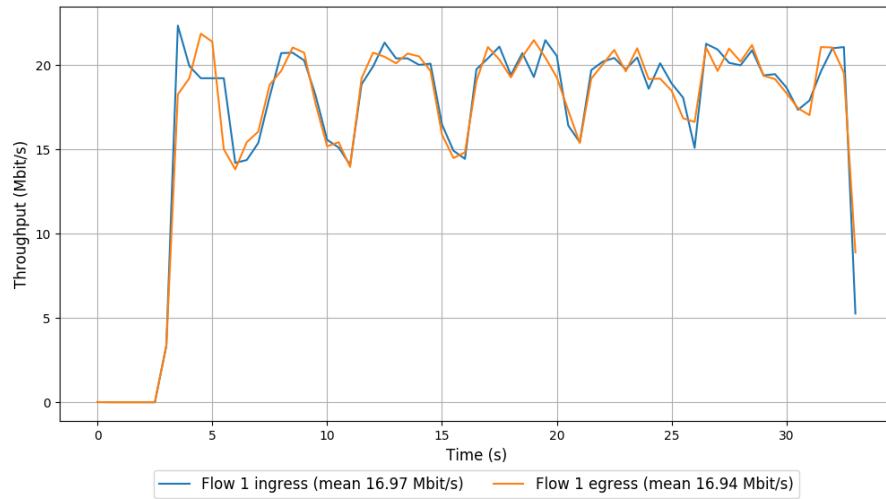


Run 4: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 00:11:25 +0000
End at: Fri, 16 Jun 2017 00:11:55 +0000
Local clock offset: 2.757 ms
Remote clock offset: -4.24 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 112.215 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 16.94 Mbit/s
95th percentile per-packet one-way delay: 112.215 ms
Loss rate: 0.18%
```

Run 4: Report of Saturator — Data Link

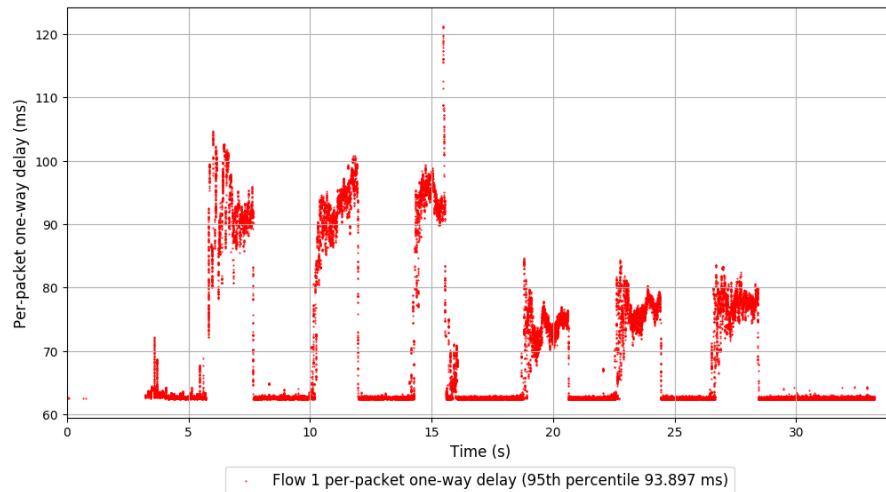
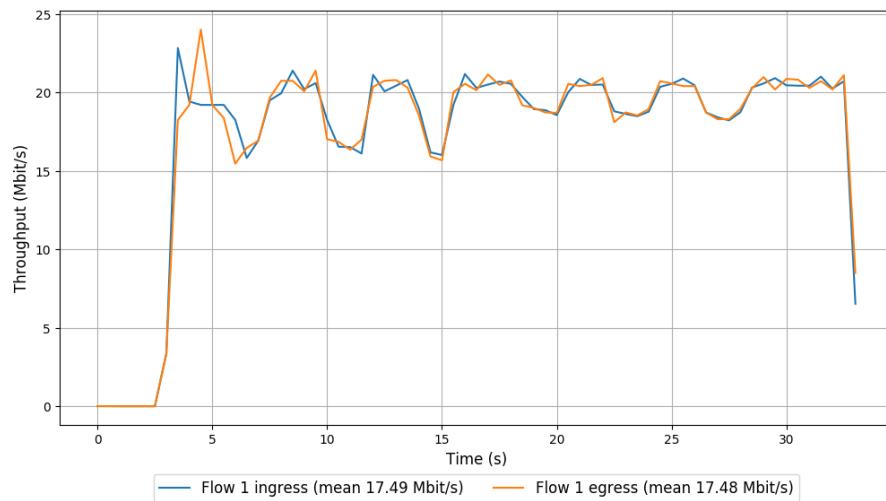


Run 5: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 00:28:35 +0000
End at: Fri, 16 Jun 2017 00:29:05 +0000
Local clock offset: 2.027 ms
Remote clock offset: -2.265 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.48 Mbit/s
95th percentile per-packet one-way delay: 93.897 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 17.48 Mbit/s
95th percentile per-packet one-way delay: 93.897 ms
Loss rate: 0.07%
```

Run 5: Report of Saturator — Data Link

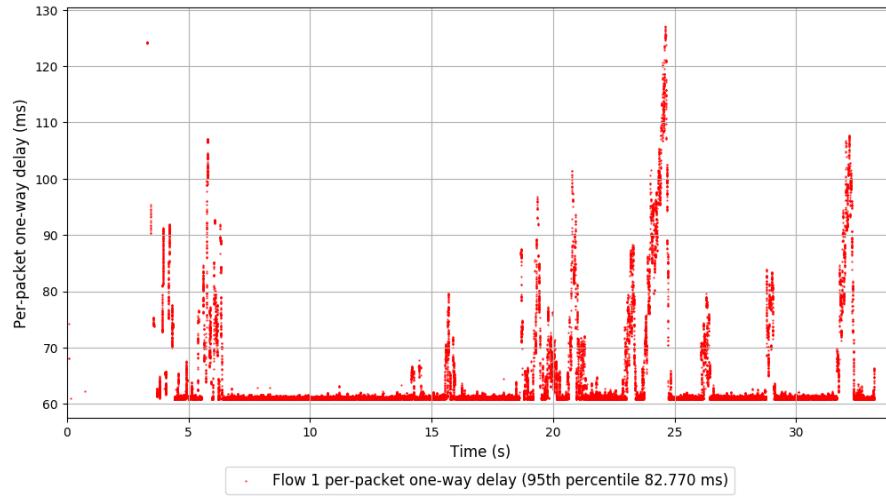
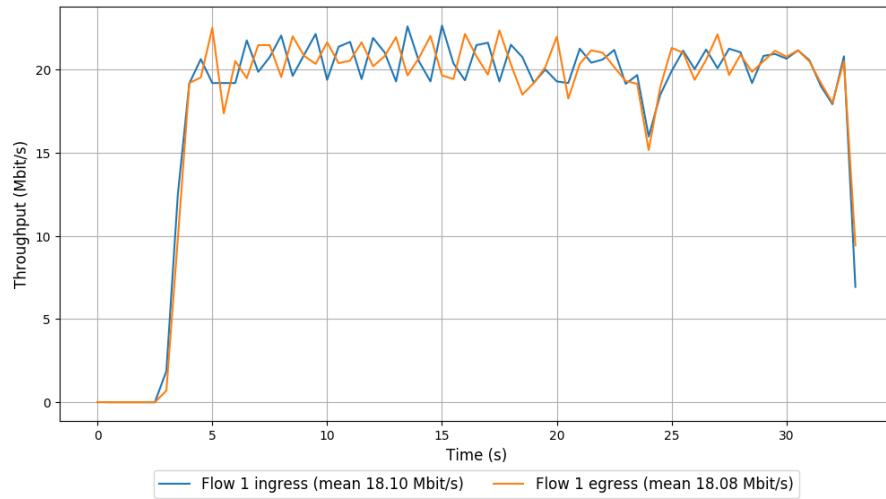


Run 6: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 00:46:02 +0000
End at: Fri, 16 Jun 2017 00:46:32 +0000
Local clock offset: 2.545 ms
Remote clock offset: -1.266 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 82.770 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 82.770 ms
Loss rate: 0.11%
```

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Fri, 16 Jun 2017 01:03:26 +0000

End at: Fri, 16 Jun 2017 01:03:56 +0000

Local clock offset: 2.316 ms

Remote clock offset: -0.525 ms

Below is generated by plot.py at Fri, 16 Jun 2017 05:33:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.08 Mbit/s

95th percentile per-packet one-way delay: 125.093 ms

Loss rate: 0.02%

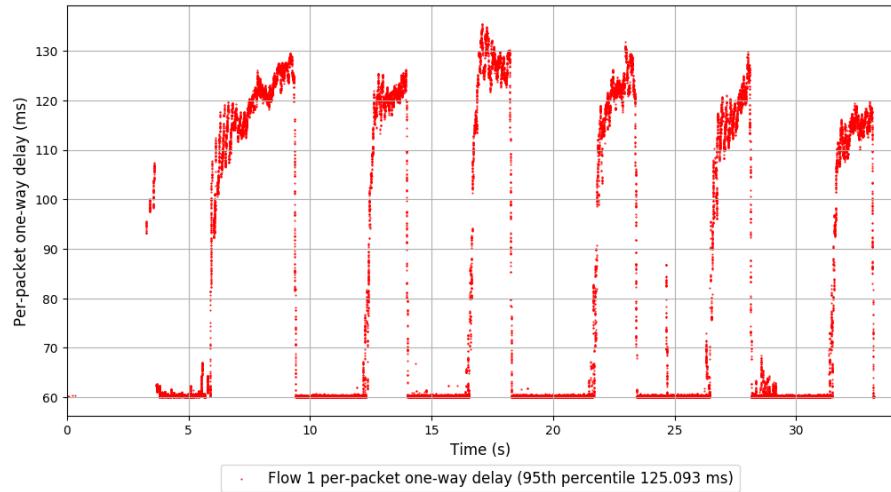
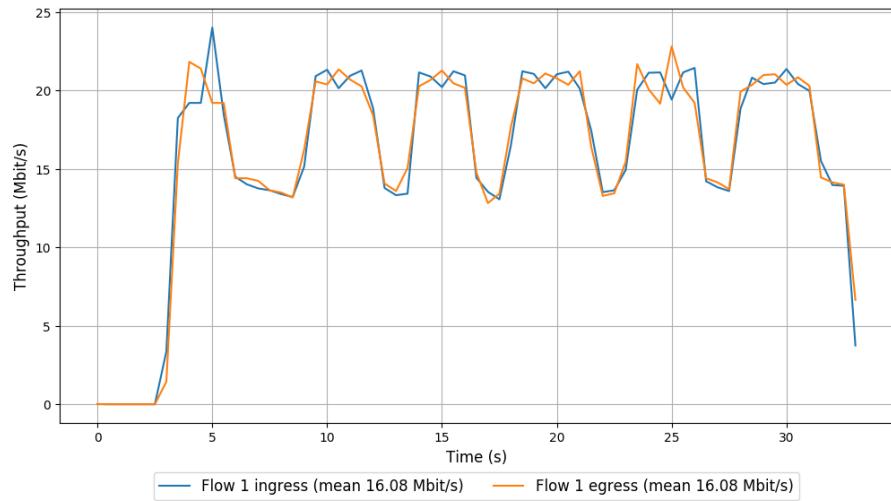
-- Flow 1:

Average throughput: 16.08 Mbit/s

95th percentile per-packet one-way delay: 125.093 ms

Loss rate: 0.02%

Run 7: Report of Saturator — Data Link

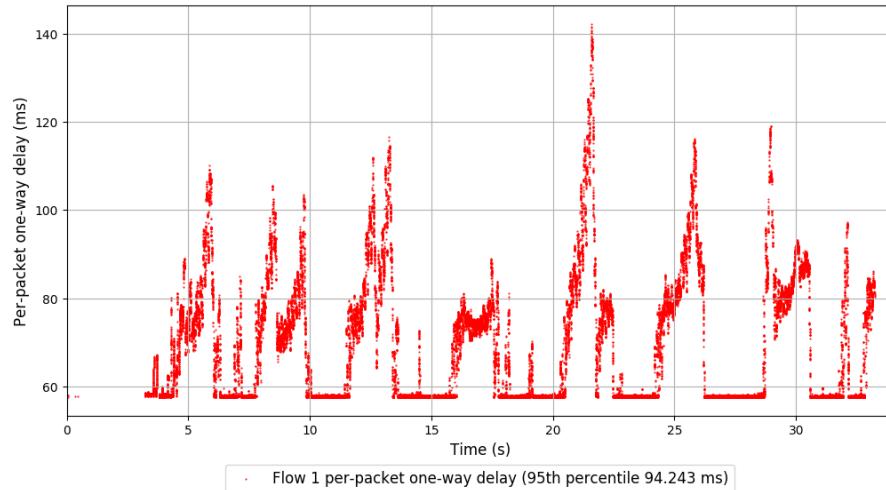
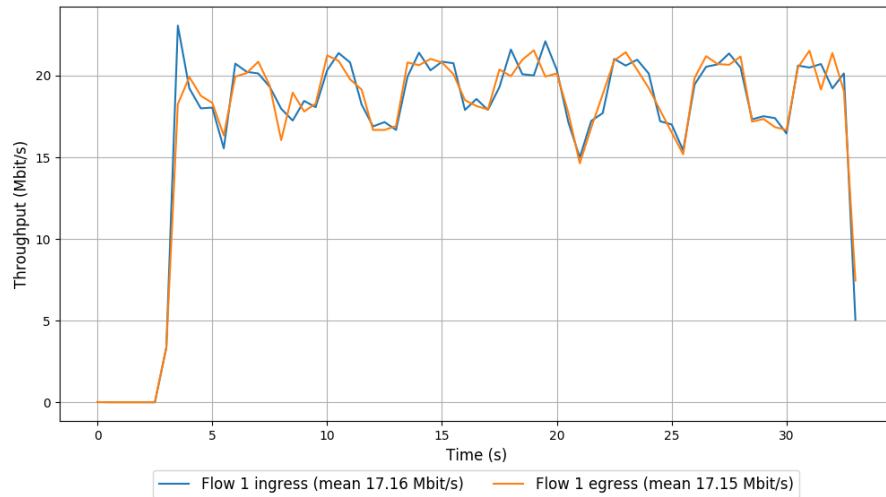


Run 8: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 01:21:03 +0000
End at: Fri, 16 Jun 2017 01:21:33 +0000
Local clock offset: 0.33 ms
Remote clock offset: -0.12 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.15 Mbit/s
95th percentile per-packet one-way delay: 94.243 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 17.15 Mbit/s
95th percentile per-packet one-way delay: 94.243 ms
Loss rate: 0.00%
```

Run 8: Report of Saturator — Data Link

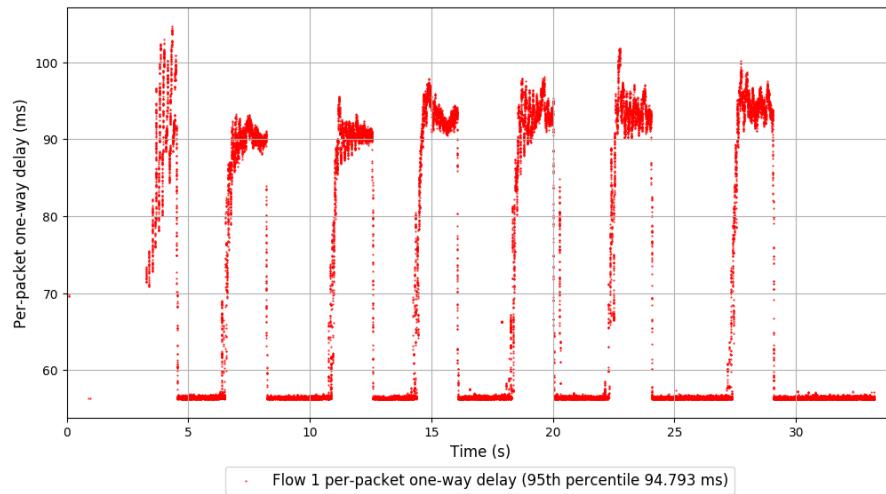
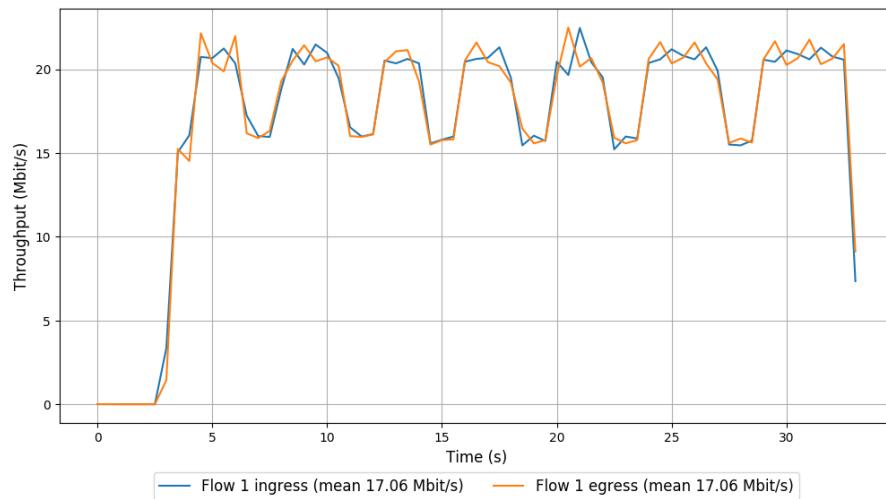


Run 9: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 01:38:30 +0000
End at: Fri, 16 Jun 2017 01:39:00 +0000
Local clock offset: -0.541 ms
Remote clock offset: -0.19 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.06 Mbit/s
95th percentile per-packet one-way delay: 94.793 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 17.06 Mbit/s
95th percentile per-packet one-way delay: 94.793 ms
Loss rate: 0.01%
```

Run 9: Report of Saturator — Data Link

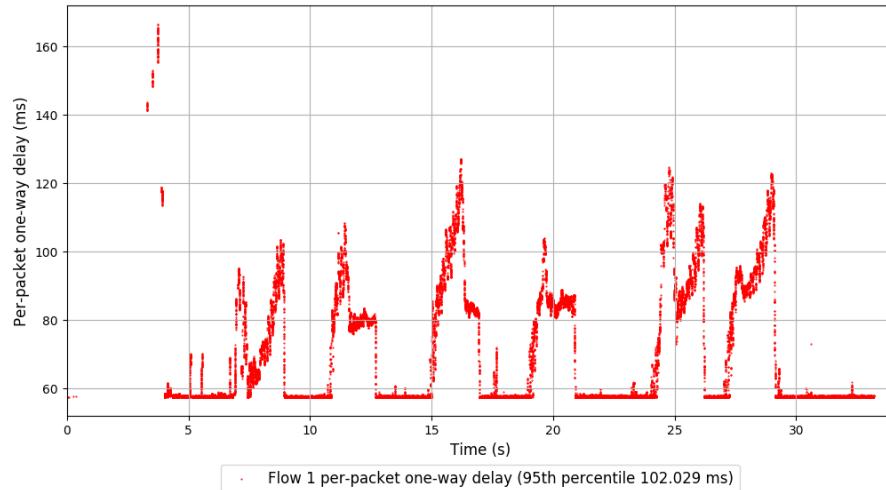
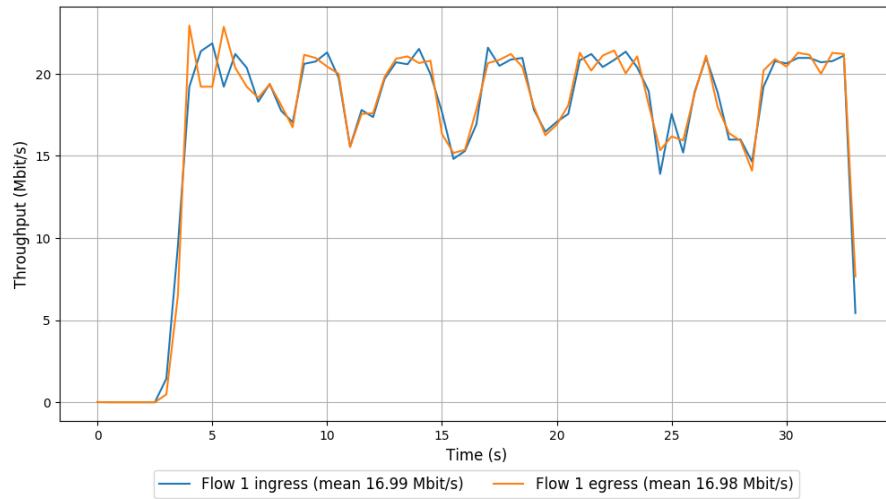


Run 10: Statistics of Saturator

```
Start at: Fri, 16 Jun 2017 01:55:43 +0000
End at: Fri, 16 Jun 2017 01:56:13 +0000
Local clock offset: 1.29 ms
Remote clock offset: 0.189 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.98 Mbit/s
95th percentile per-packet one-way delay: 102.029 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 16.98 Mbit/s
95th percentile per-packet one-way delay: 102.029 ms
Loss rate: 0.02%
```

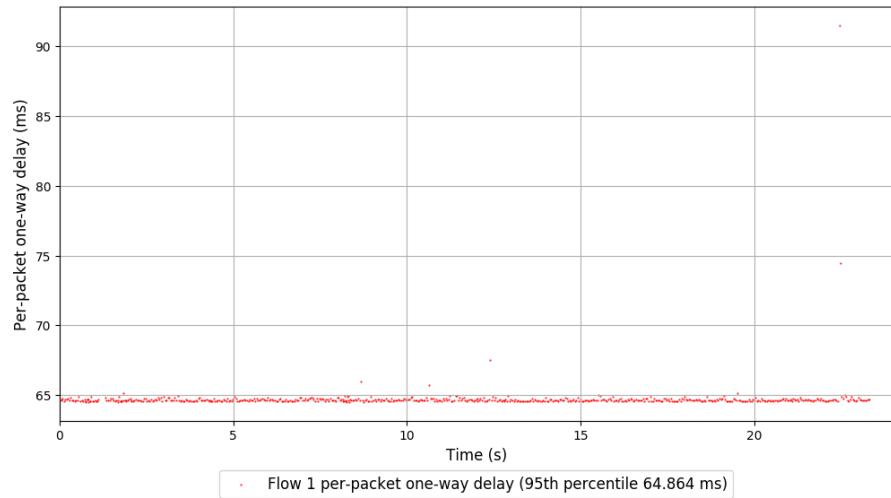
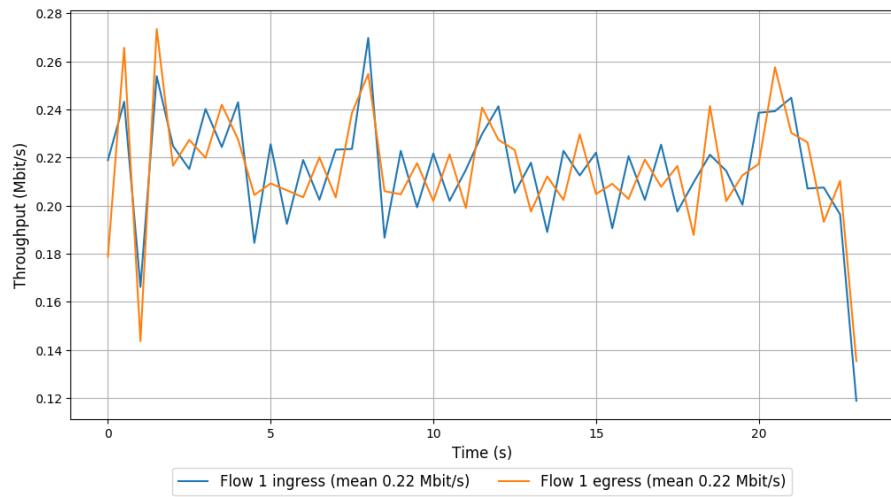
Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Thu, 15 Jun 2017 23:17:48 +0000
End at: Thu, 15 Jun 2017 23:18:18 +0000
Local clock offset: 2.294 ms
Remote clock offset: -4.988 ms

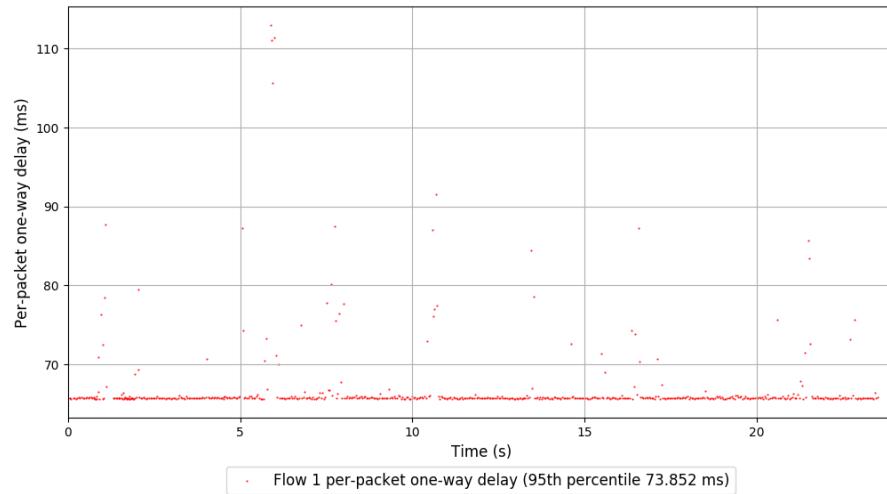
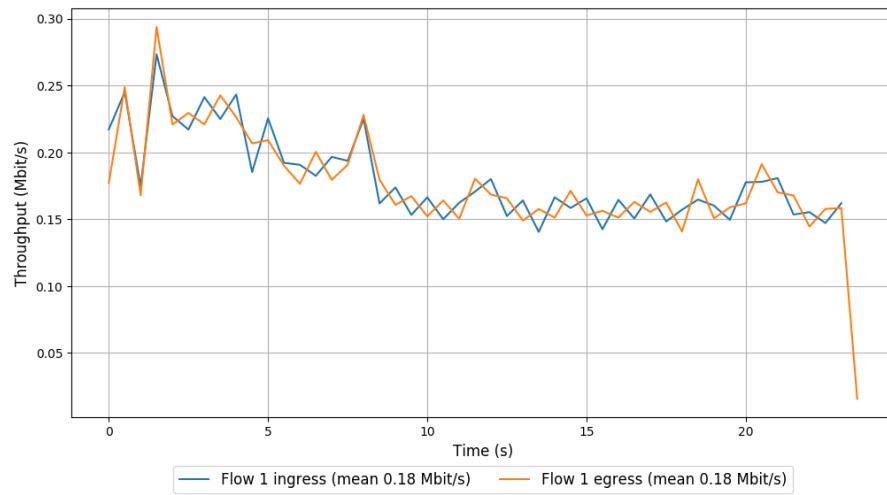
Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Thu, 15 Jun 2017 23:35:17 +0000
End at: Thu, 15 Jun 2017 23:35:47 +0000
Local clock offset: 3.126 ms
Remote clock offset: -5.383 ms

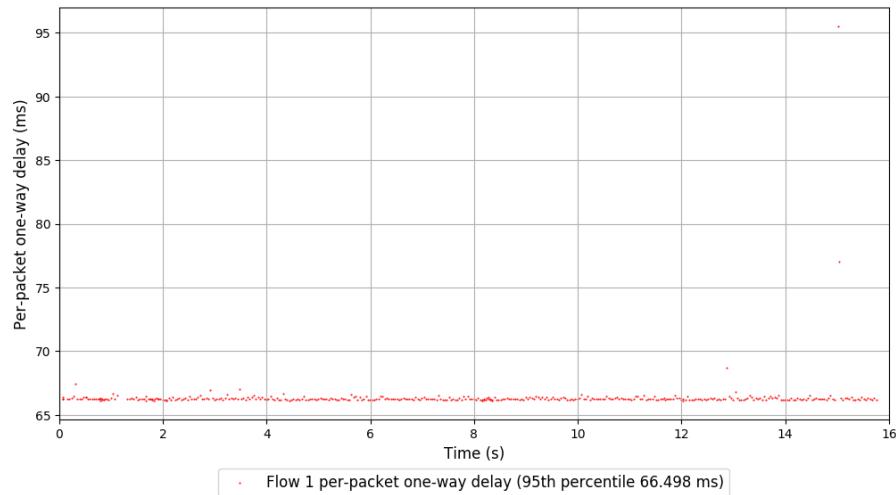
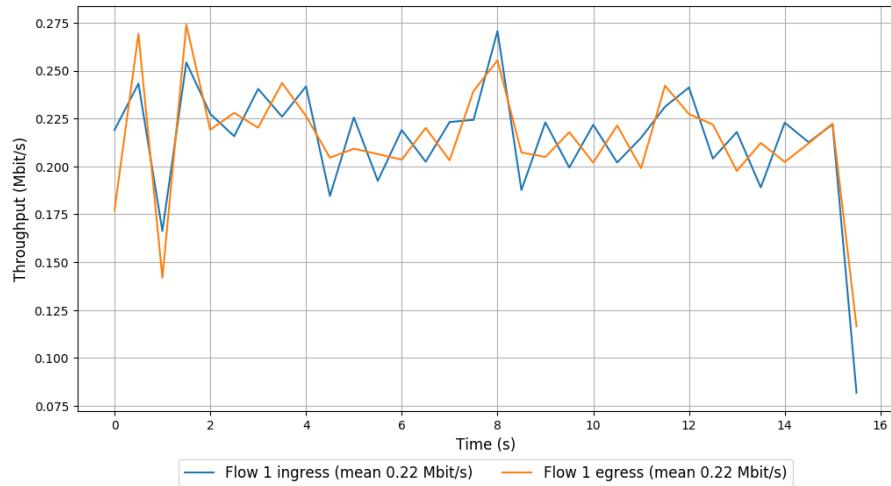
Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Thu, 15 Jun 2017 23:52:48 +0000
End at: Thu, 15 Jun 2017 23:53:18 +0000
Local clock offset: 3.0 ms
Remote clock offset: -4.28 ms

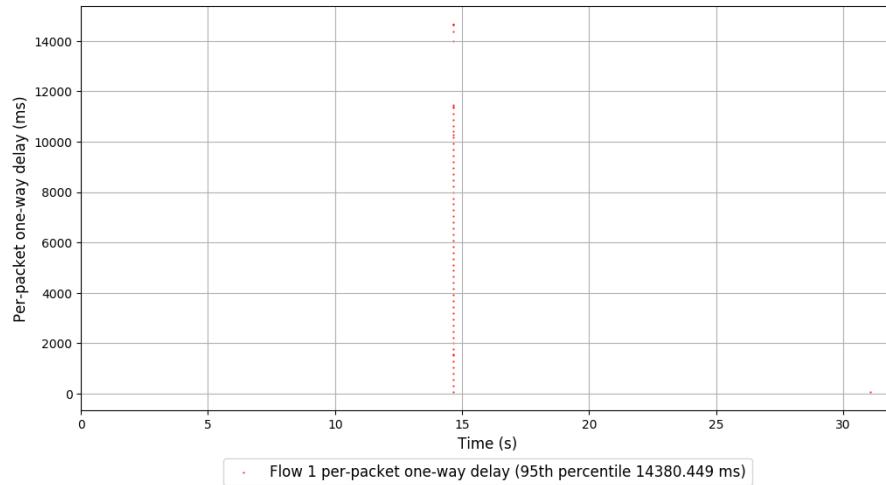
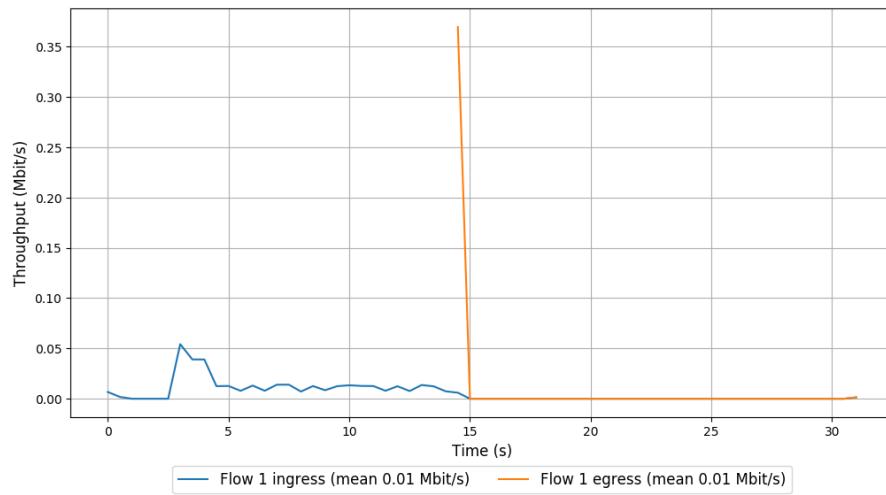
Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 00:10:19 +0000
End at: Fri, 16 Jun 2017 00:10:49 +0000
Local clock offset: 2.785 ms
Remote clock offset: -3.939 ms

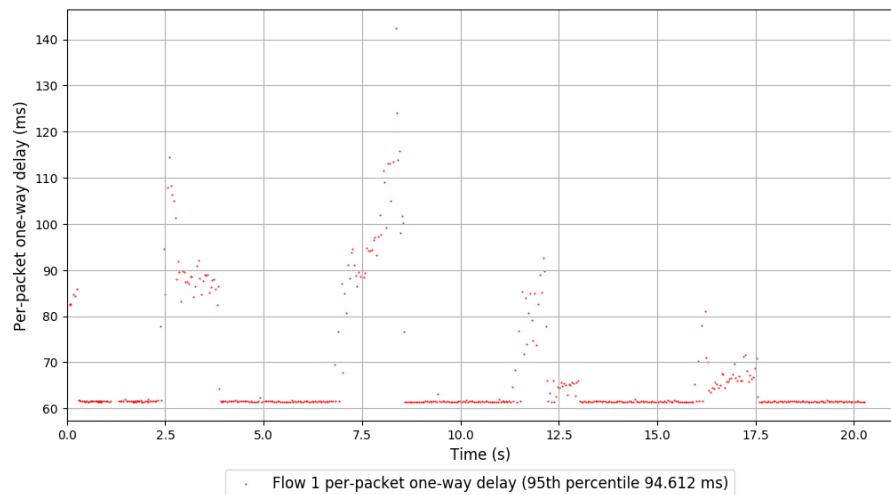
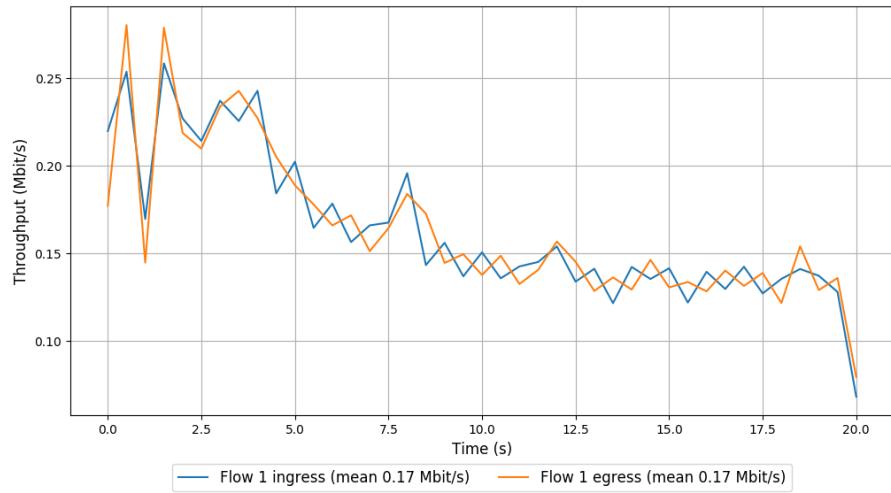
Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 00:27:29 +0000
End at: Fri, 16 Jun 2017 00:27:59 +0000
Local clock offset: 2.025 ms
Remote clock offset: -2.915 ms

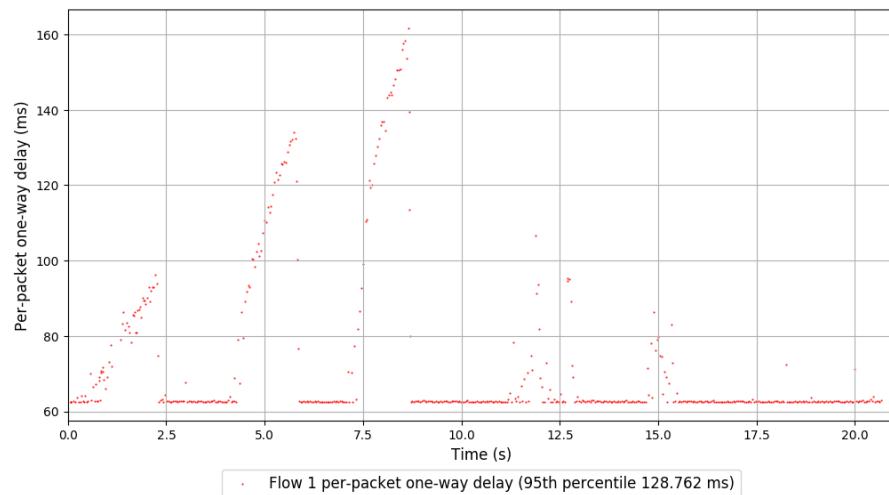
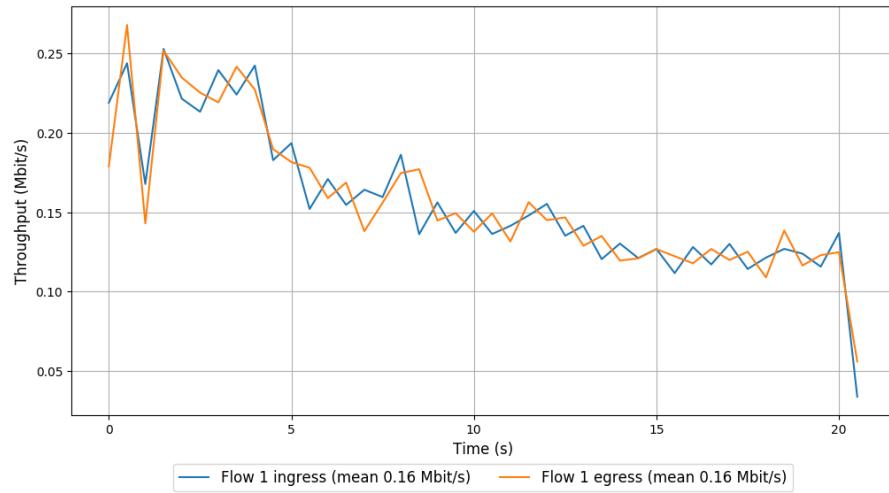
Run 5: Report of SCReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 00:44:56 +0000
End at: Fri, 16 Jun 2017 00:45:26 +0000
Local clock offset: 2.52 ms
Remote clock offset: -1.604 ms

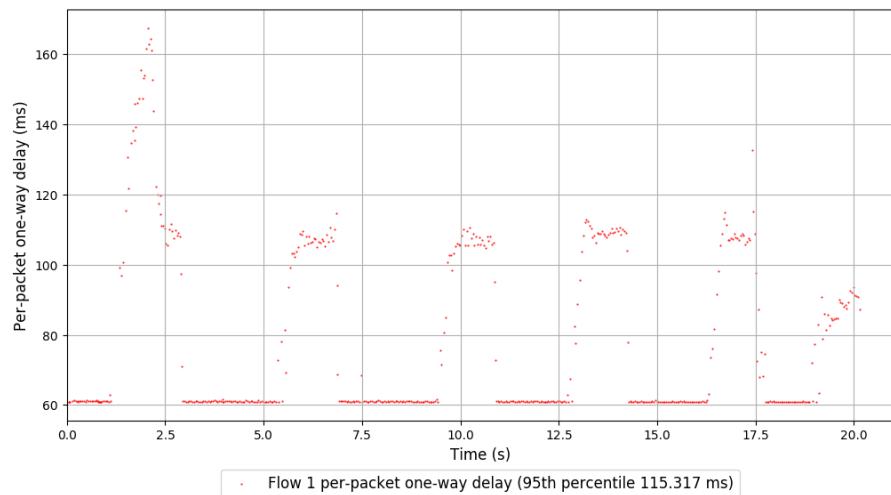
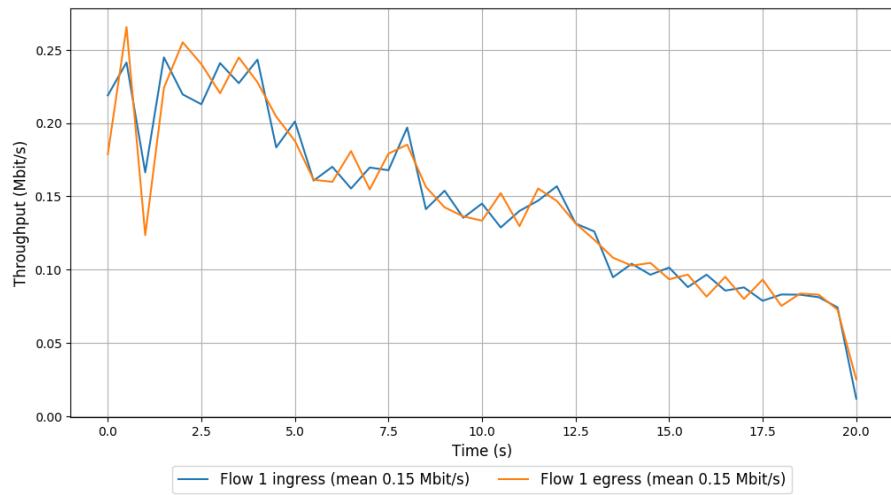
Run 6: Report of SCReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 01:02:20 +0000
End at: Fri, 16 Jun 2017 01:02:50 +0000
Local clock offset: 2.349 ms
Remote clock offset: -0.544 ms

Run 7: Report of SCReAM — Data Link

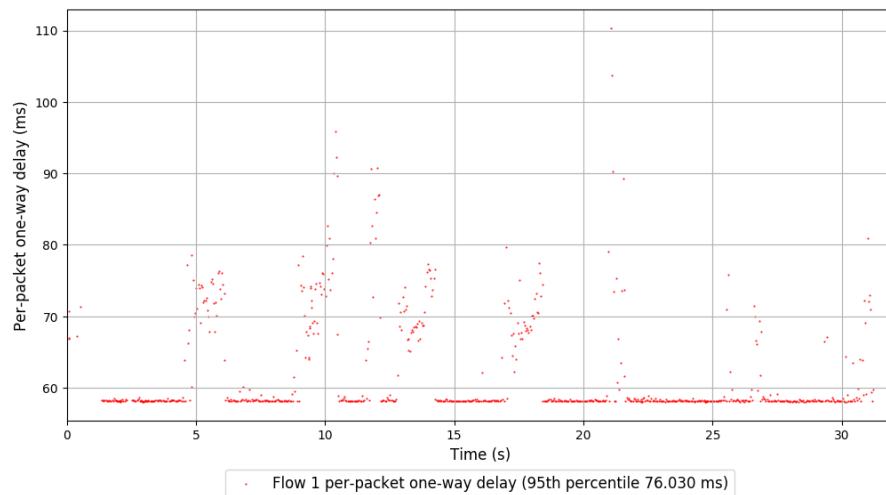
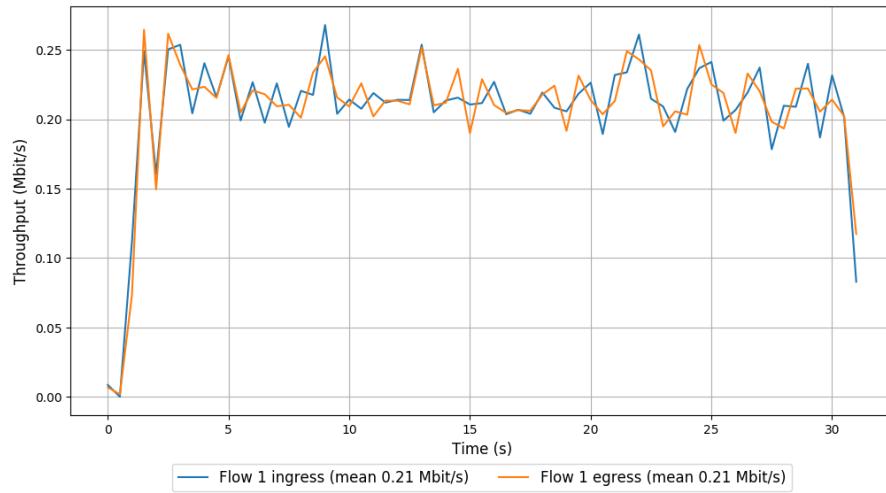


Run 8: Statistics of SCReAM

```
Start at: Fri, 16 Jun 2017 01:19:57 +0000
End at: Fri, 16 Jun 2017 01:20:27 +0000
Local clock offset: 0.42 ms
Remote clock offset: 0.059 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 76.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 76.030 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

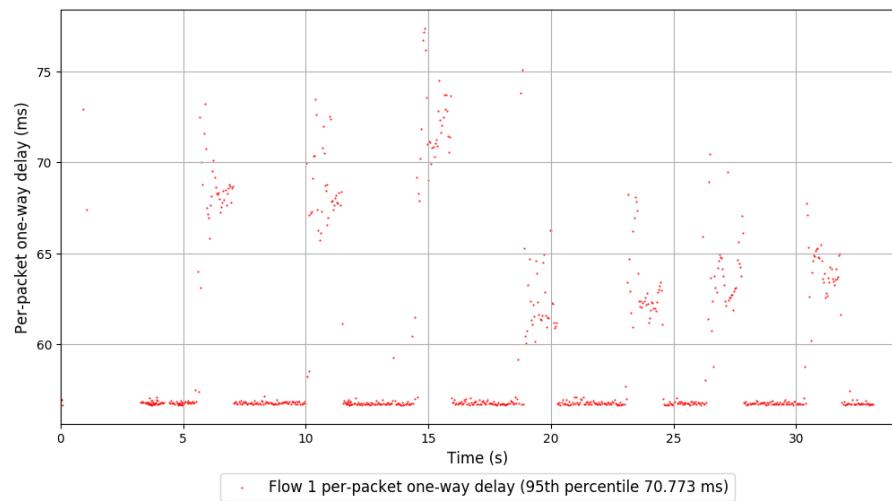
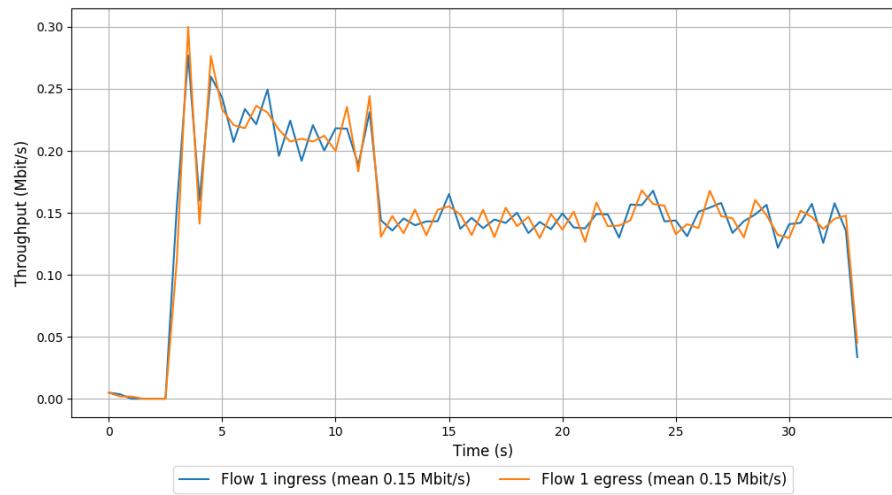


Run 9: Statistics of SCReAM

```
Start at: Fri, 16 Jun 2017 01:37:24 +0000
End at: Fri, 16 Jun 2017 01:37:54 +0000
Local clock offset: -0.428 ms
Remote clock offset: 0.099 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 70.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 70.773 ms
Loss rate: 0.00%
```

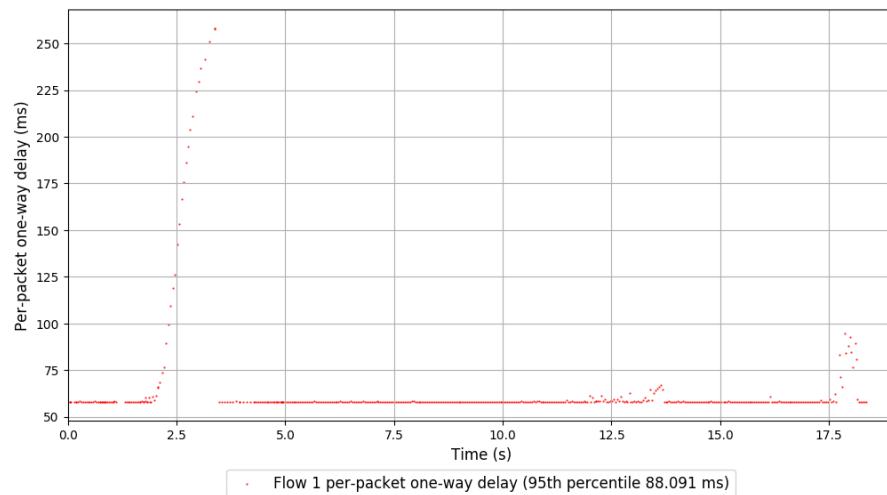
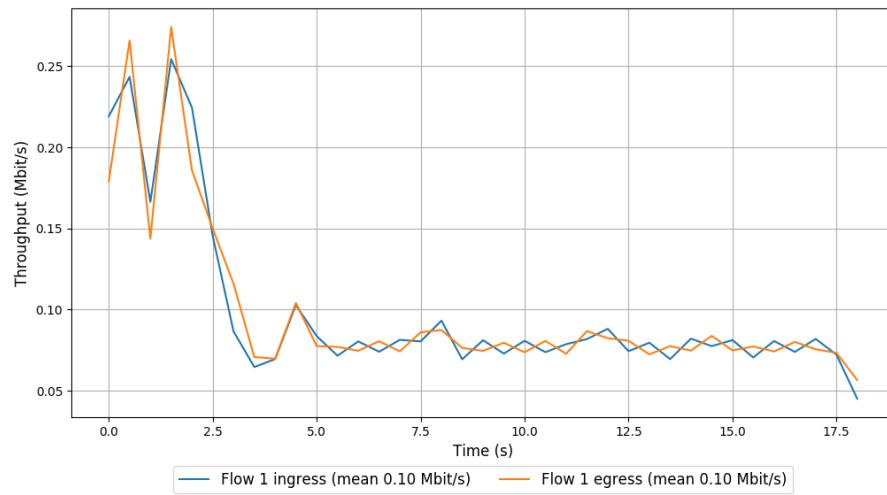
Run 9: Report of SCReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Fri, 16 Jun 2017 01:54:38 +0000
End at: Fri, 16 Jun 2017 01:55:08 +0000
Local clock offset: 1.189 ms
Remote clock offset: 0.169 ms

Run 10: Report of SCReAM — Data Link

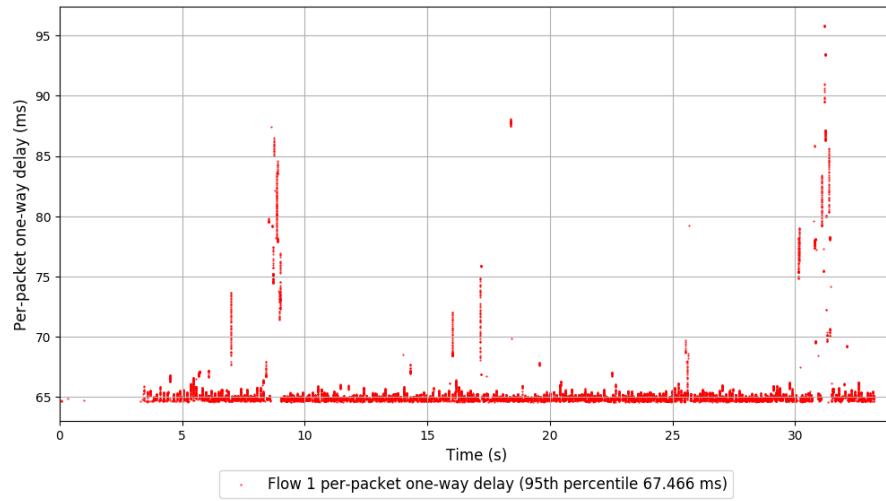
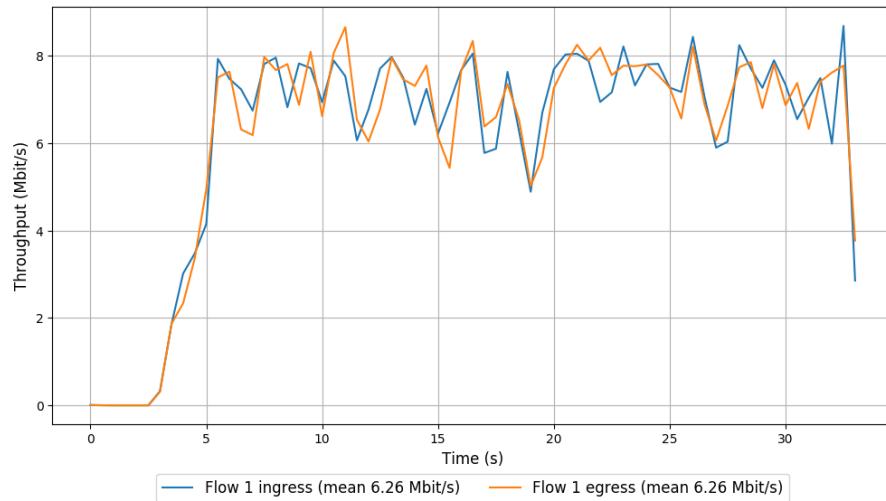


Run 1: Statistics of Sprout

```
Start at: Thu, 15 Jun 2017 23:20:02 +0000
End at: Thu, 15 Jun 2017 23:20:32 +0000
Local clock offset: 2.306 ms
Remote clock offset: -5.521 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 67.466 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.26 Mbit/s
95th percentile per-packet one-way delay: 67.466 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

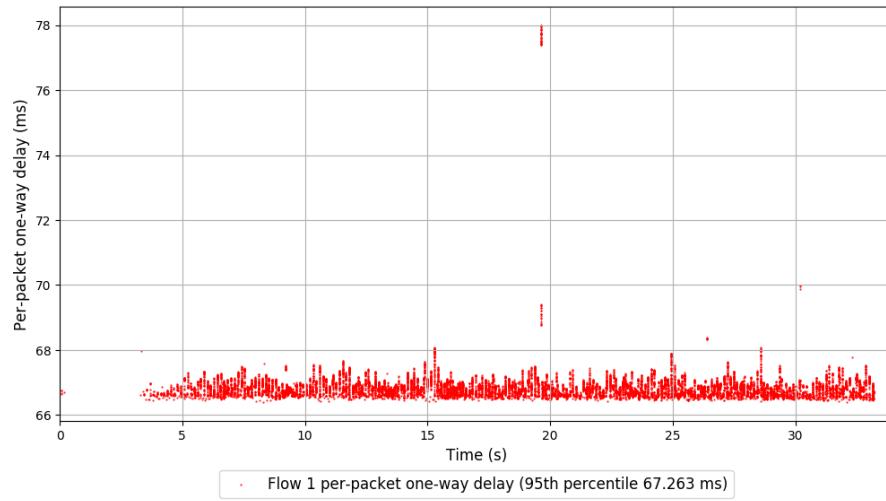
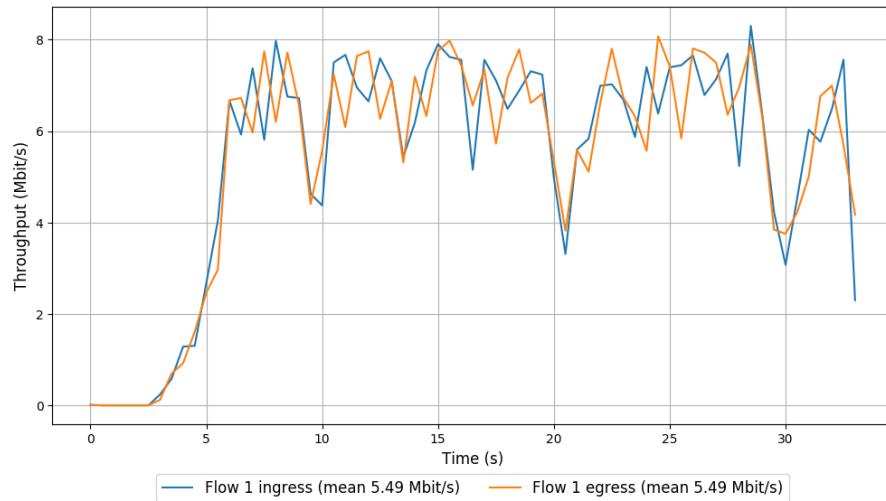


Run 2: Statistics of Sprout

```
Start at: Thu, 15 Jun 2017 23:37:31 +0000
End at: Thu, 15 Jun 2017 23:38:01 +0000
Local clock offset: 3.373 ms
Remote clock offset: -4.945 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.49 Mbit/s
95th percentile per-packet one-way delay: 67.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.49 Mbit/s
95th percentile per-packet one-way delay: 67.263 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

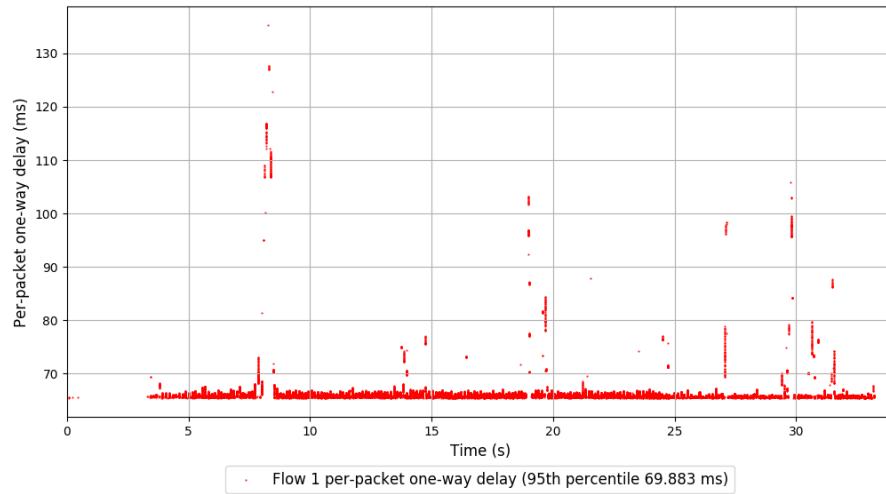
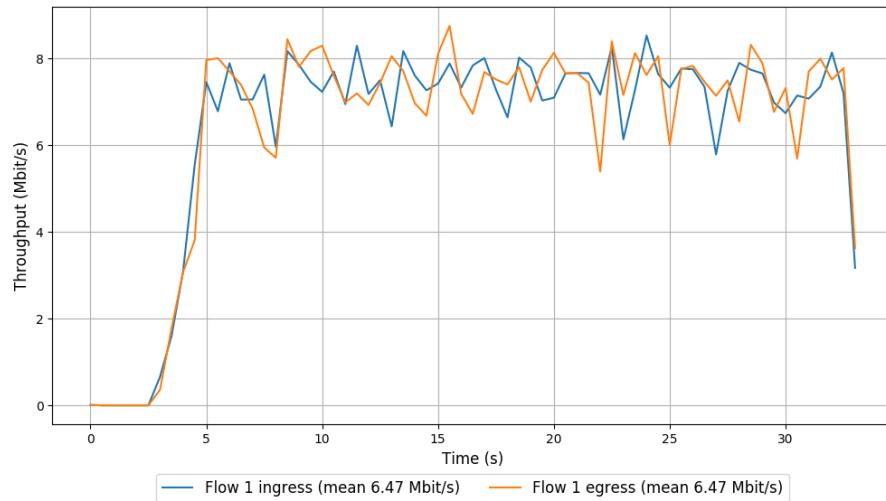


Run 3: Statistics of Sprout

```
Start at: Thu, 15 Jun 2017 23:55:02 +0000
End at: Thu, 15 Jun 2017 23:55:32 +0000
Local clock offset: 2.929 ms
Remote clock offset: -4.622 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 69.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.47 Mbit/s
95th percentile per-packet one-way delay: 69.883 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

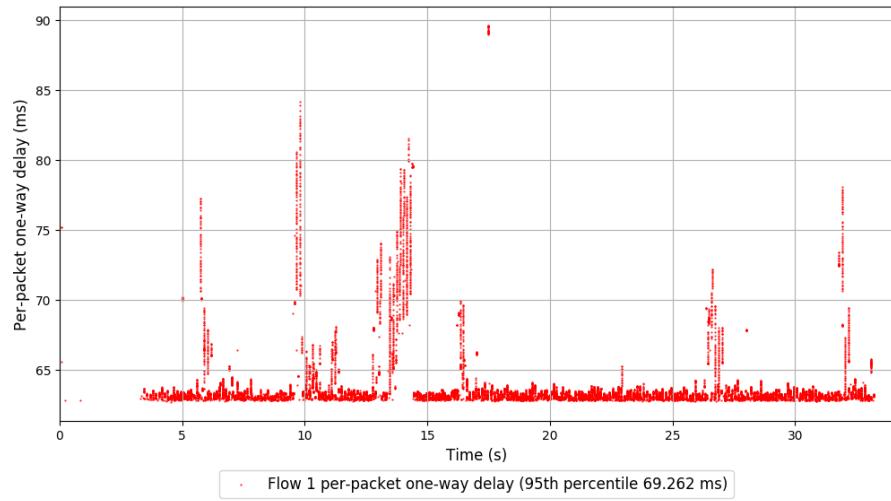
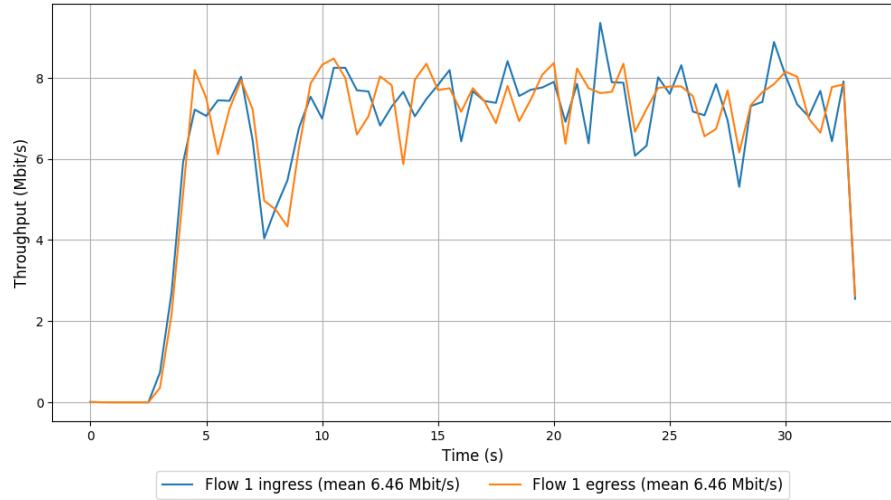


Run 4: Statistics of Sprout

```
Start at: Fri, 16 Jun 2017 00:12:33 +0000
End at: Fri, 16 Jun 2017 00:13:03 +0000
Local clock offset: 2.722 ms
Remote clock offset: -3.528 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 69.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 69.262 ms
Loss rate: 0.00%
```

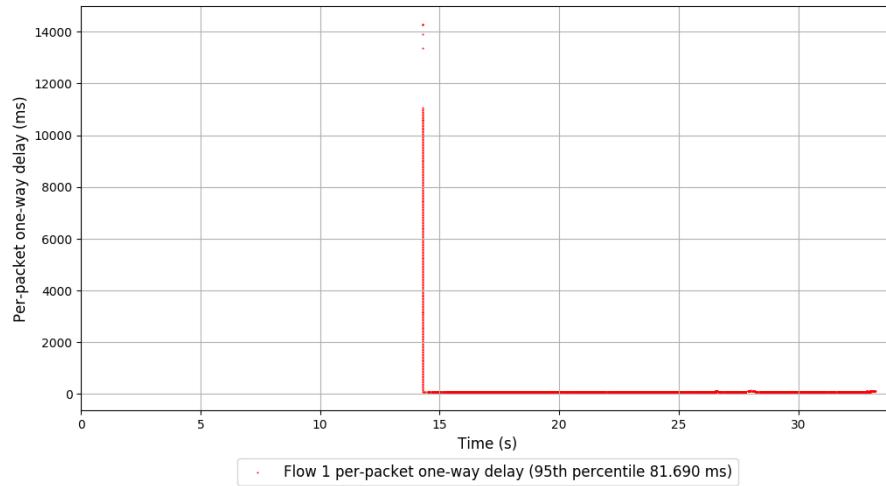
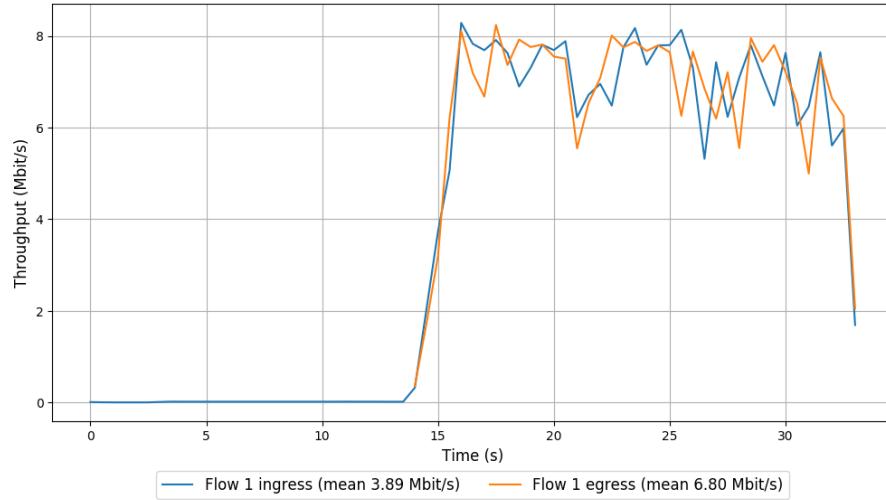
Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Fri, 16 Jun 2017 00:29:43 +0000
End at: Fri, 16 Jun 2017 00:30:13 +0000
Local clock offset: 1.921 ms
Remote clock offset: -2.472 ms

Run 5: Report of Sprout — Data Link

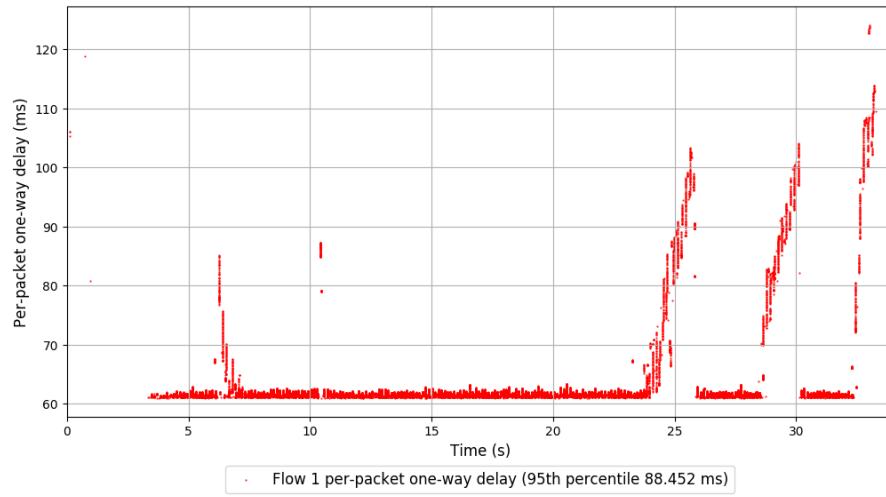
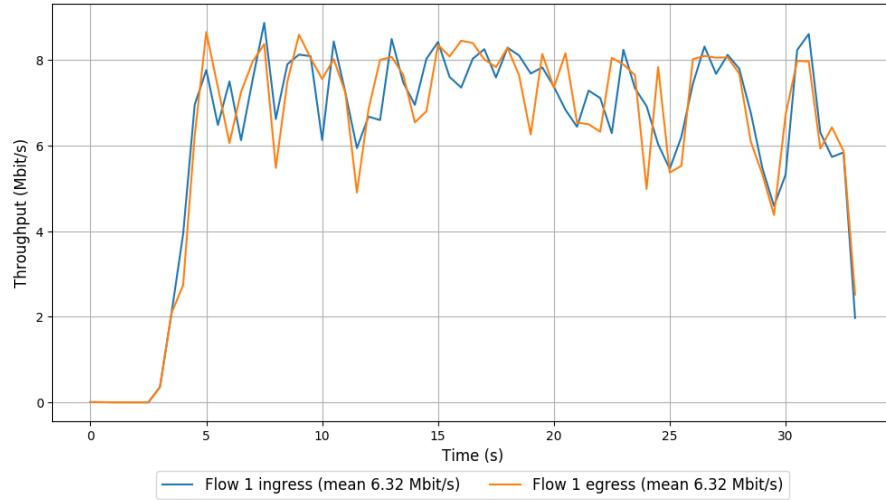


Run 6: Statistics of Sprout

```
Start at: Fri, 16 Jun 2017 00:47:10 +0000
End at: Fri, 16 Jun 2017 00:47:40 +0000
Local clock offset: 2.621 ms
Remote clock offset: -0.948 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 88.452 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 6.32 Mbit/s
95th percentile per-packet one-way delay: 88.452 ms
Loss rate: 0.03%
```

Run 6: Report of Sprout — Data Link

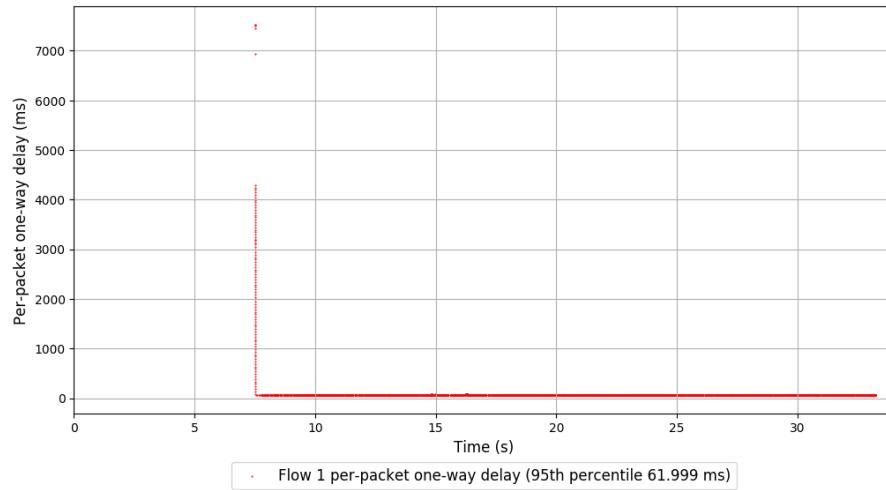
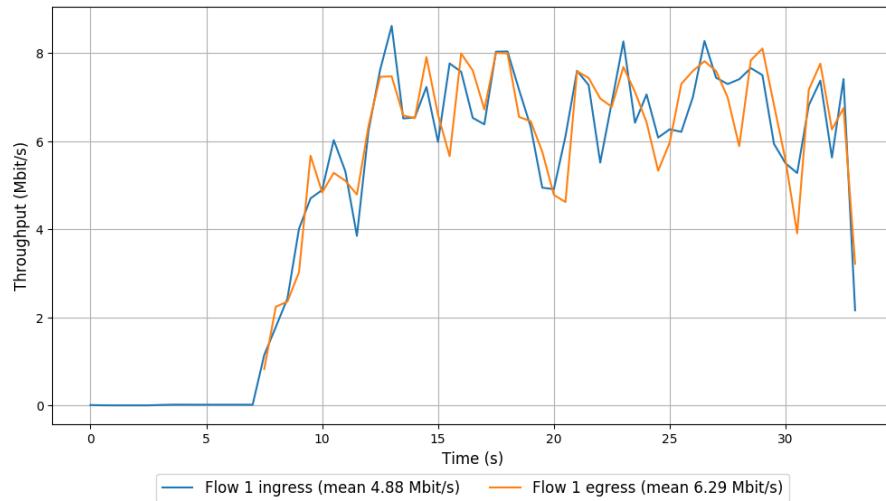


Run 7: Statistics of Sprout

```
Start at: Fri, 16 Jun 2017 01:04:34 +0000
End at: Fri, 16 Jun 2017 01:05:04 +0000
Local clock offset: 2.172 ms
Remote clock offset: -1.175 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.29 Mbit/s
95th percentile per-packet one-way delay: 61.999 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 6.29 Mbit/s
95th percentile per-packet one-way delay: 61.999 ms
Loss rate: 0.01%
```

Run 7: Report of Sprout — Data Link

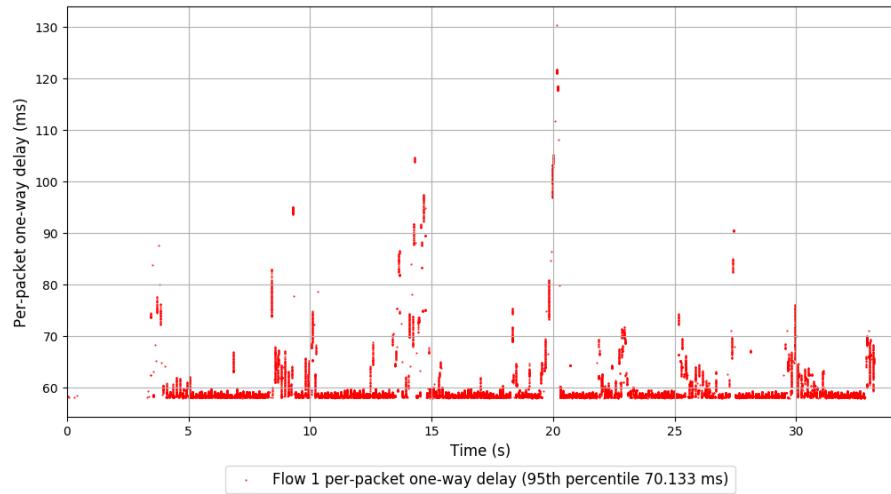
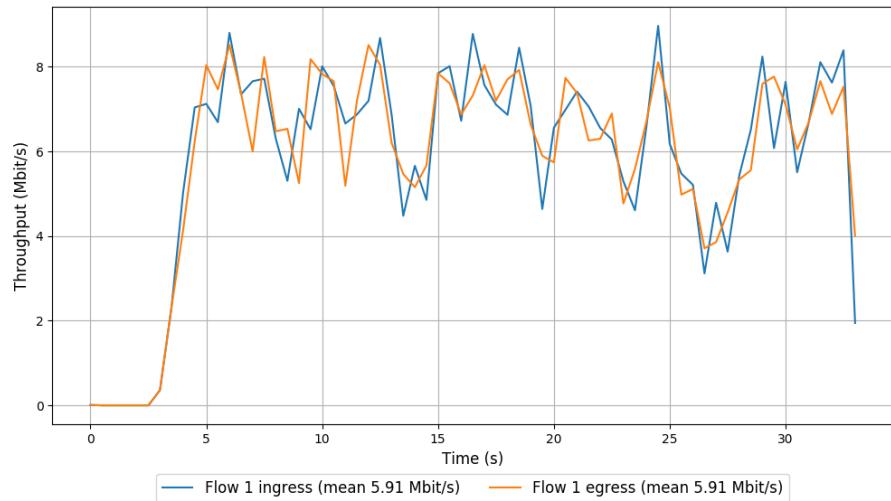


Run 8: Statistics of Sprout

```
Start at: Fri, 16 Jun 2017 01:22:11 +0000
End at: Fri, 16 Jun 2017 01:22:41 +0000
Local clock offset: 0.178 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 70.133 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.91 Mbit/s
95th percentile per-packet one-way delay: 70.133 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

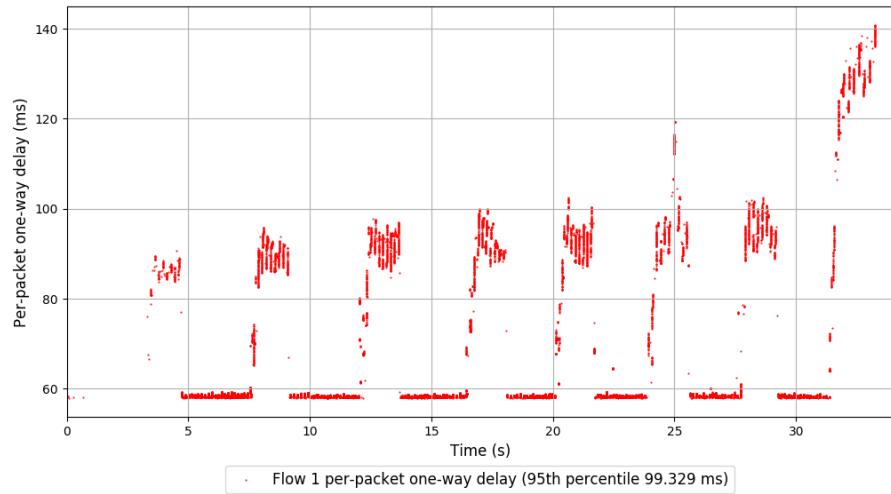
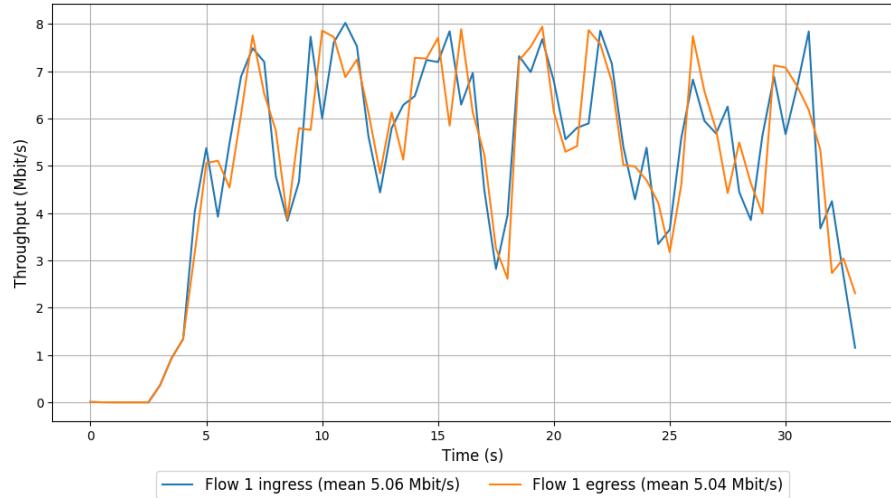


Run 9: Statistics of Sprout

```
Start at: Fri, 16 Jun 2017 01:39:38 +0000
End at: Fri, 16 Jun 2017 01:40:08 +0000
Local clock offset: -0.468 ms
Remote clock offset: 0.065 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:33:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 99.329 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 99.329 ms
Loss rate: 0.00%
```

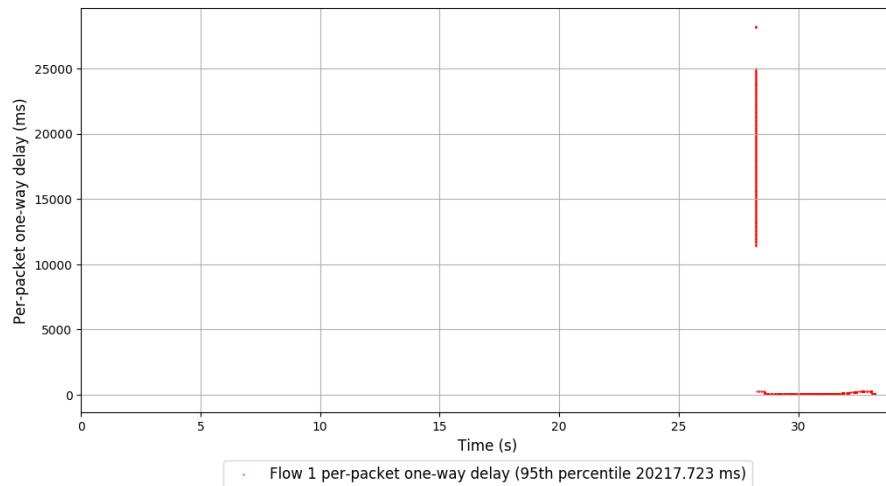
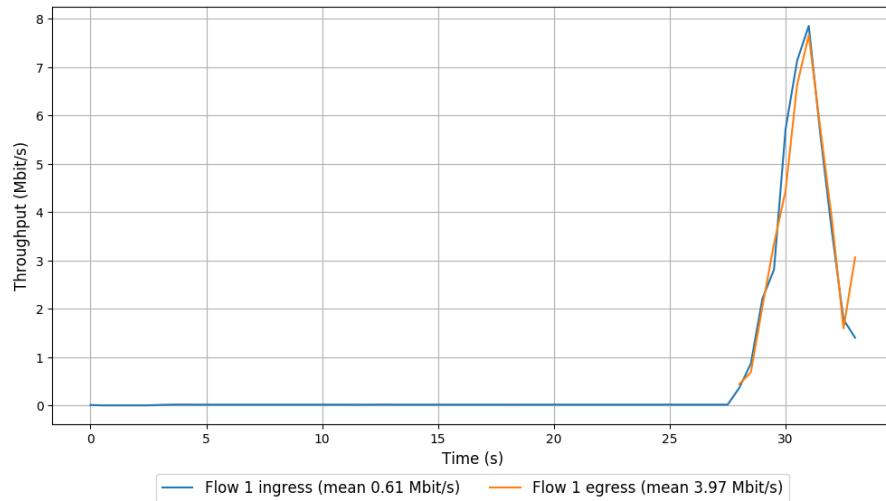
Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Fri, 16 Jun 2017 01:56:51 +0000
End at: Fri, 16 Jun 2017 01:57:21 +0000
Local clock offset: 1.397 ms
Remote clock offset: -0.023 ms

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Thu, 15 Jun 2017 23:16:33 +0000

End at: Thu, 15 Jun 2017 23:17:03 +0000

Local clock offset: 2.229 ms

Remote clock offset: -5.703 ms

Below is generated by plot.py at Fri, 16 Jun 2017 05:33:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.86 Mbit/s

95th percentile per-packet one-way delay: 102.970 ms

Loss rate: 1.45%

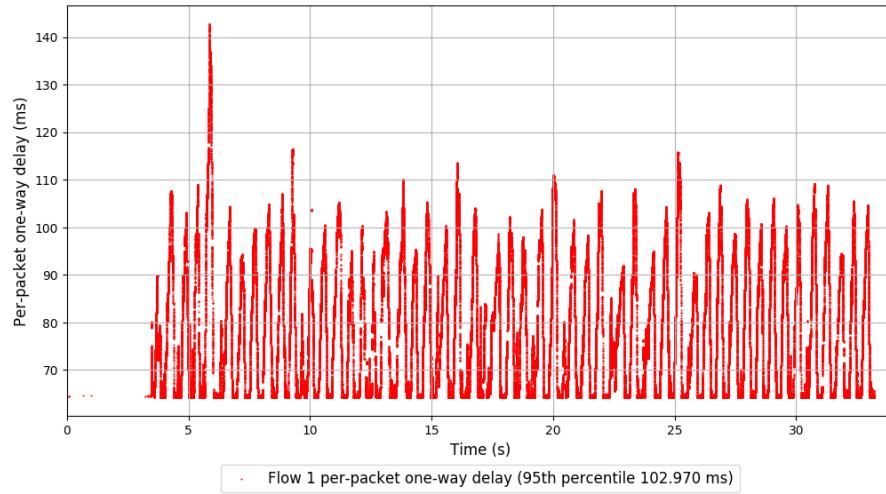
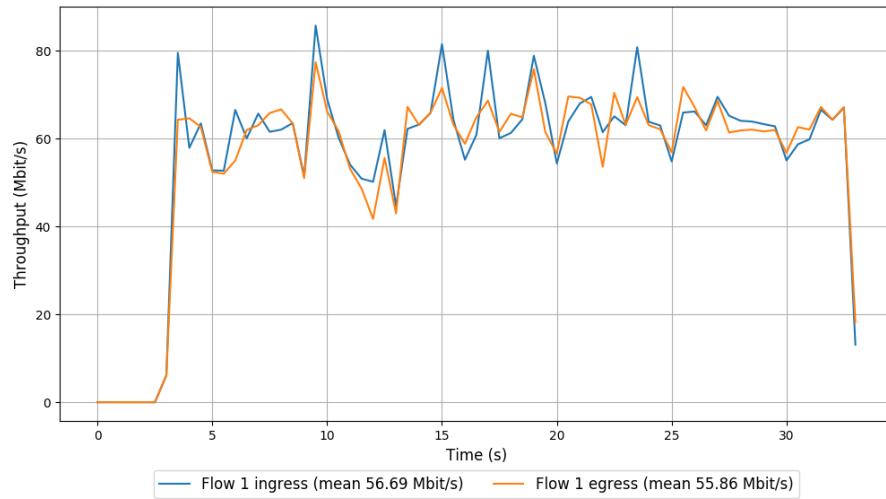
-- Flow 1:

Average throughput: 55.86 Mbit/s

95th percentile per-packet one-way delay: 102.970 ms

Loss rate: 1.45%

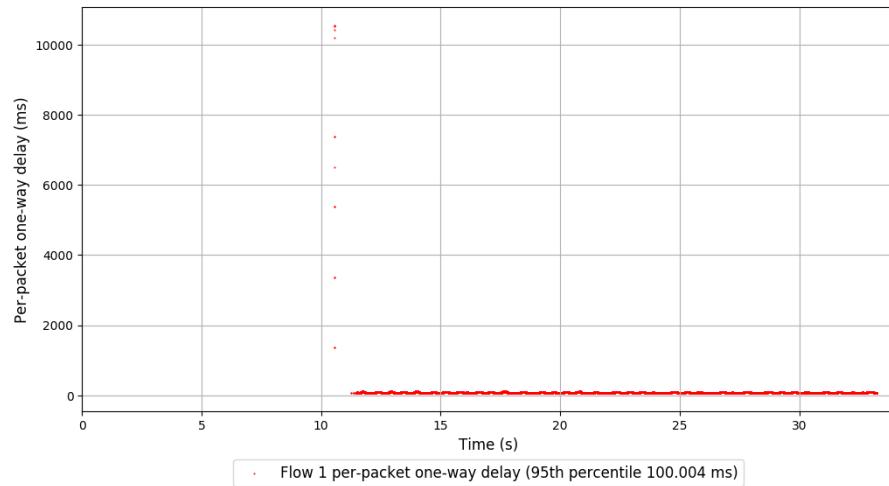
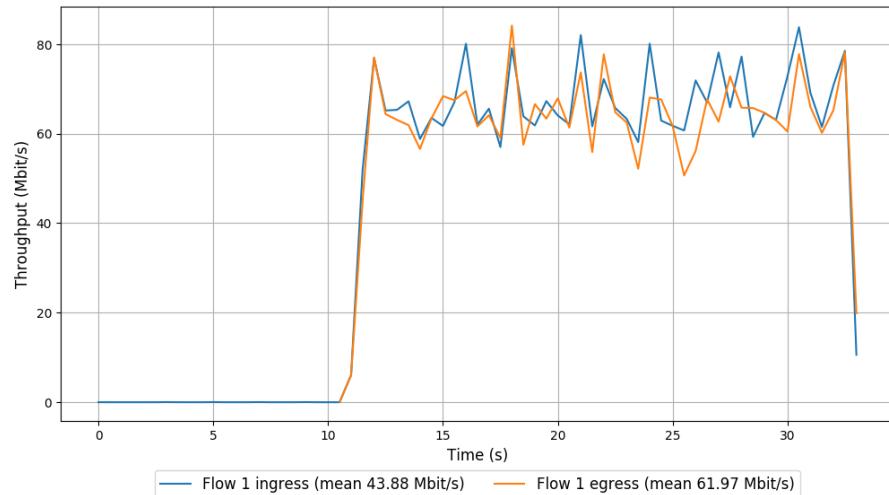
Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: Thu, 15 Jun 2017 23:34:04 +0000
End at: Thu, 15 Jun 2017 23:34:34 +0000
Local clock offset: 2.905 ms
Remote clock offset: -5.242 ms

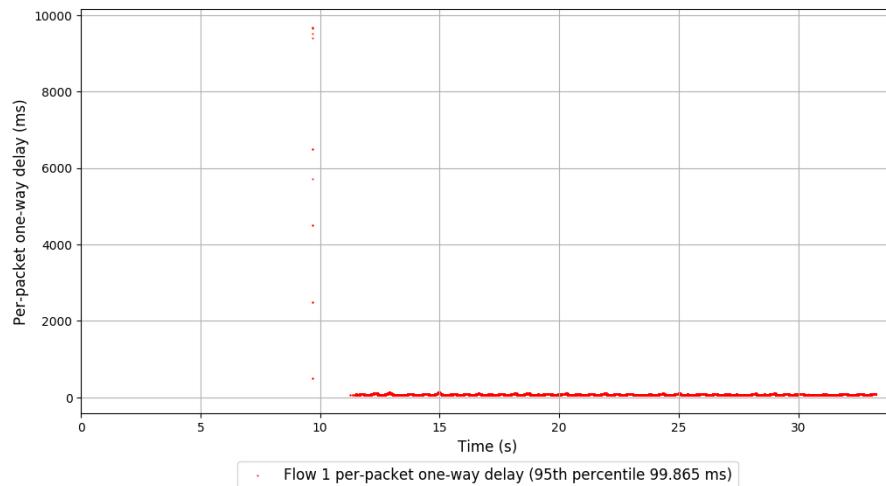
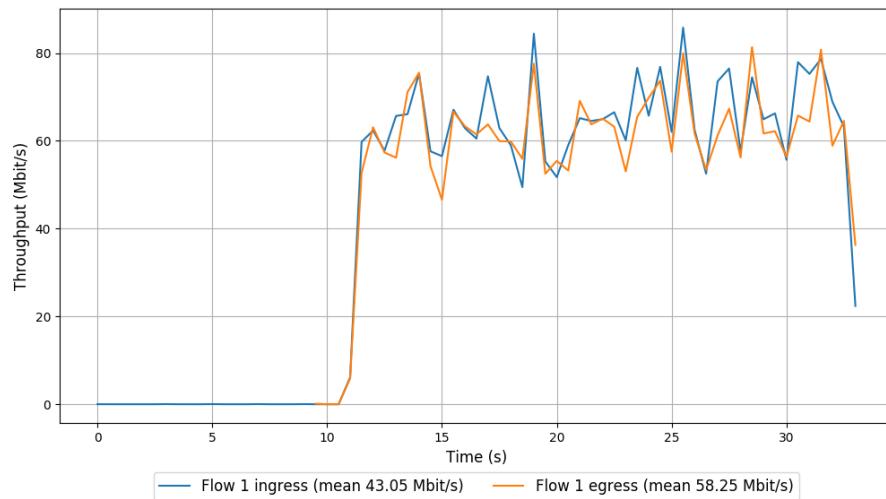
Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: Thu, 15 Jun 2017 23:51:35 +0000
End at: Thu, 15 Jun 2017 23:52:05 +0000
Local clock offset: 3.069 ms
Remote clock offset: -4.395 ms

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

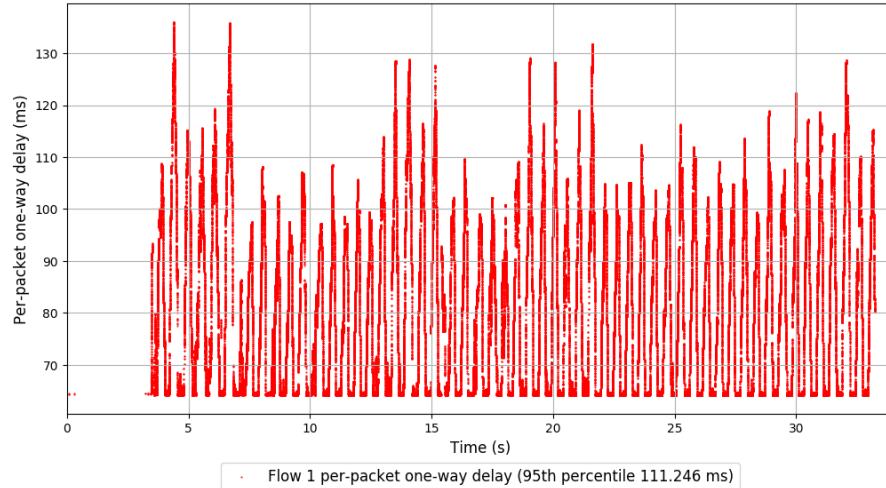
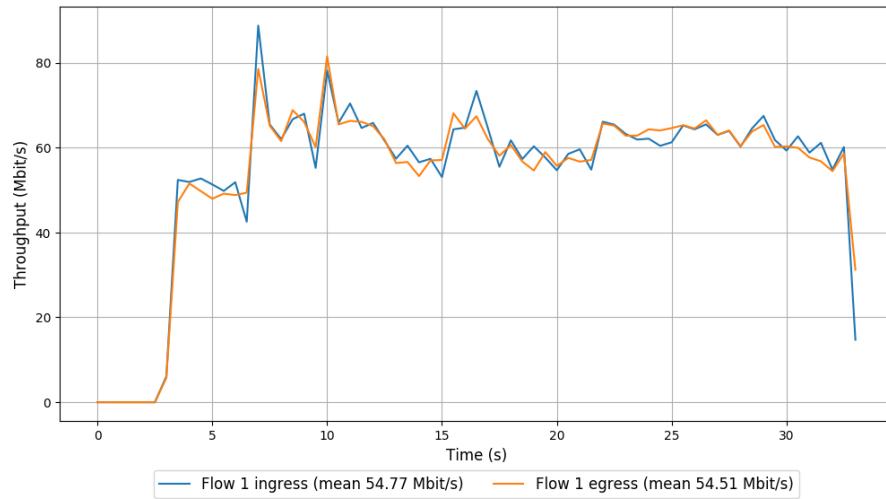


Run 4: Statistics of TaoVA-100x

```
Start at: Fri, 16 Jun 2017 00:09:05 +0000
End at: Fri, 16 Jun 2017 00:09:35 +0000
Local clock offset: 2.796 ms
Remote clock offset: -4.5 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:34:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 111.246 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 54.51 Mbit/s
95th percentile per-packet one-way delay: 111.246 ms
Loss rate: 0.42%
```

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

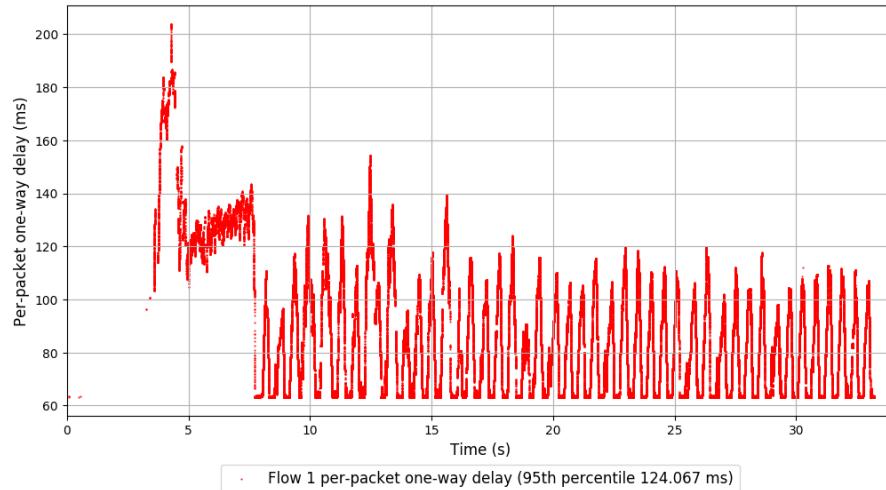
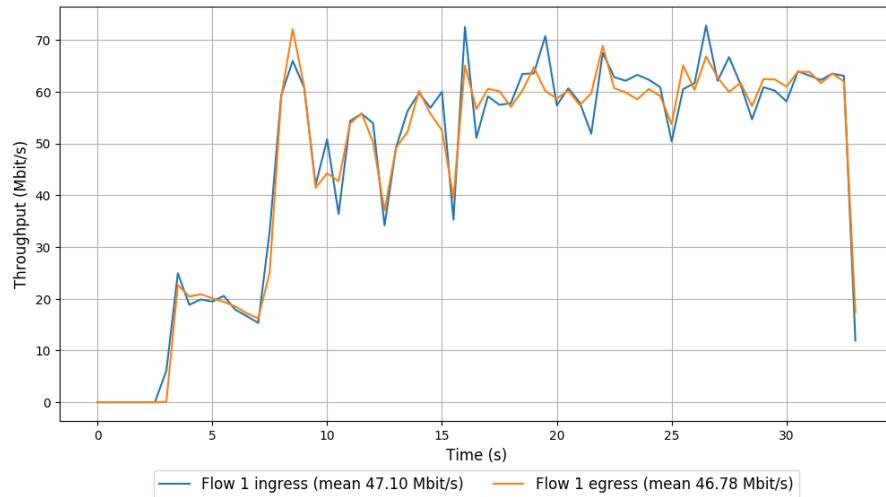


Run 5: Statistics of TaoVA-100x

```
Start at: Fri, 16 Jun 2017 00:26:16 +0000
End at: Fri, 16 Jun 2017 00:26:46 +0000
Local clock offset: 2.061 ms
Remote clock offset: -2.728 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:34:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 124.067 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 124.067 ms
Loss rate: 0.70%
```

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

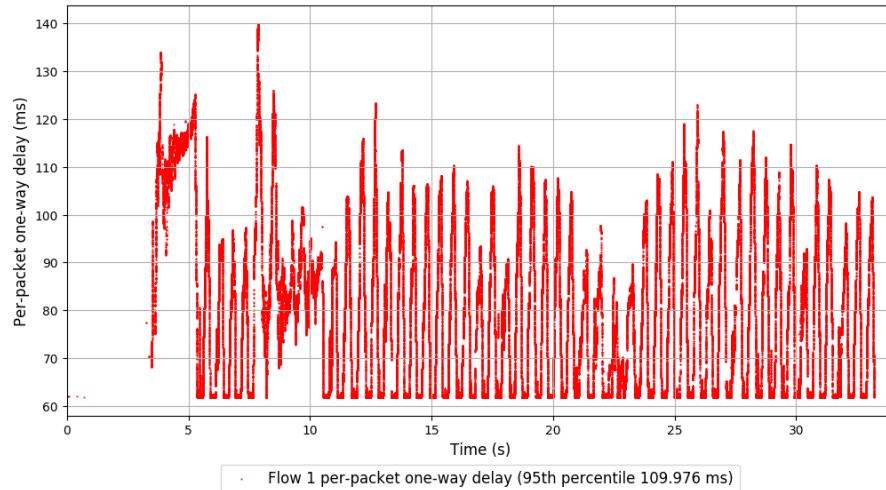
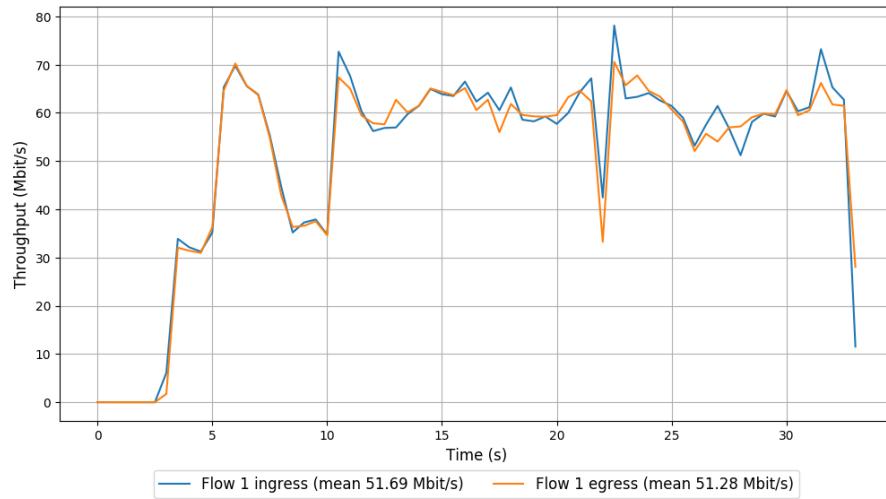


Run 6: Statistics of TaoVA-100x

```
Start at: Fri, 16 Jun 2017 00:43:42 +0000
End at: Fri, 16 Jun 2017 00:44:12 +0000
Local clock offset: 2.386 ms
Remote clock offset: -1.694 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:34:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.28 Mbit/s
95th percentile per-packet one-way delay: 109.976 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 51.28 Mbit/s
95th percentile per-packet one-way delay: 109.976 ms
Loss rate: 0.80%
```

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



Run 7: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 01:01:07 +0000

End at: Fri, 16 Jun 2017 01:01:37 +0000

Local clock offset: 2.309 ms

Remote clock offset: -1.031 ms

Below is generated by plot.py at Fri, 16 Jun 2017 05:34:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.67 Mbit/s

95th percentile per-packet one-way delay: 163.257 ms

Loss rate: 0.08%

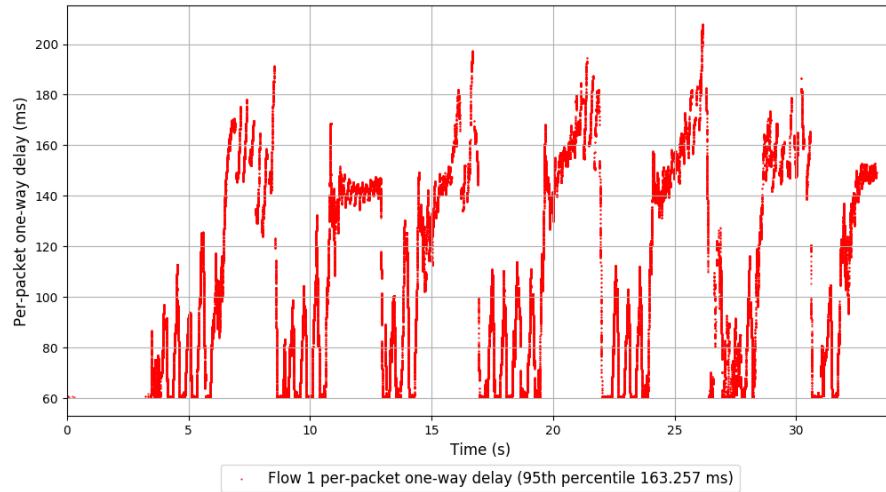
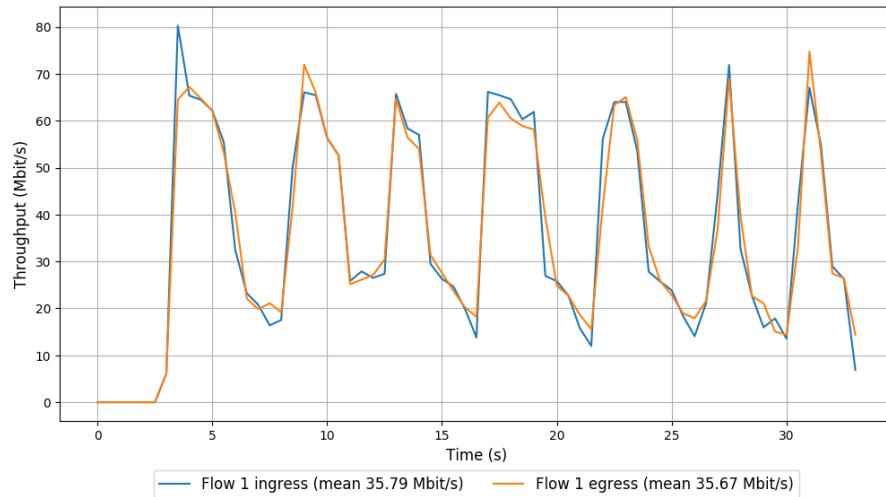
-- Flow 1:

Average throughput: 35.67 Mbit/s

95th percentile per-packet one-way delay: 163.257 ms

Loss rate: 0.08%

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

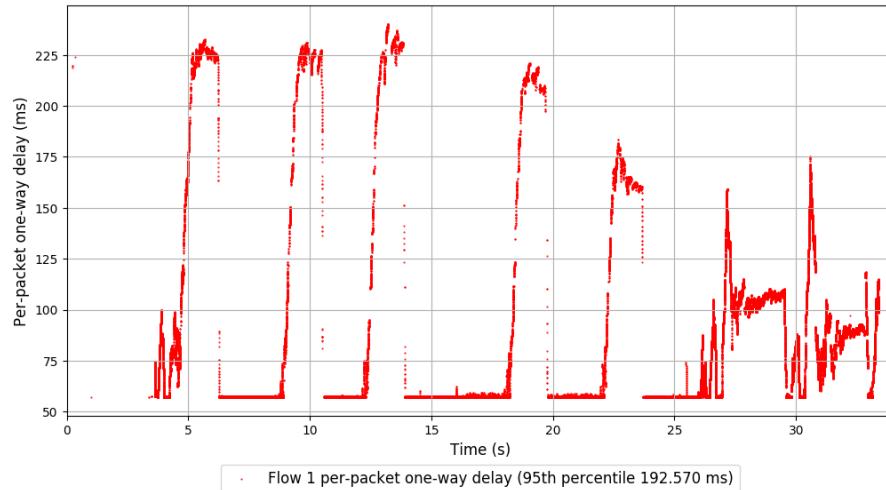
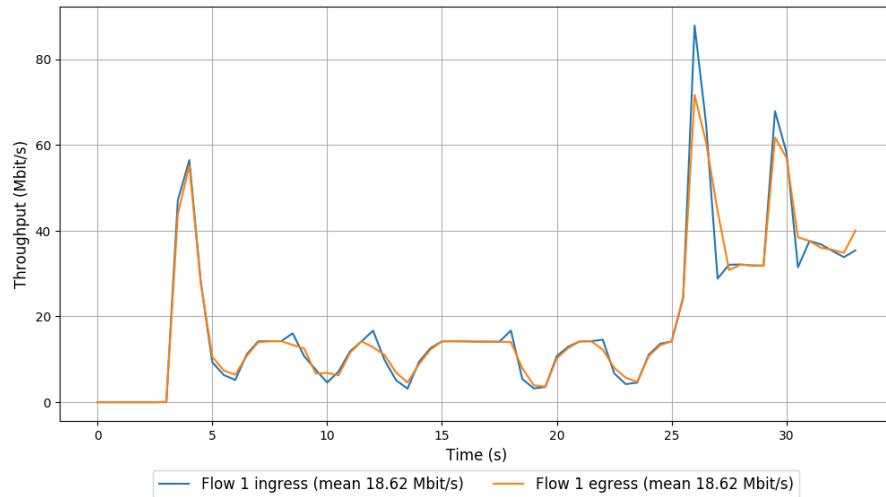


Run 8: Statistics of TaoVA-100x

```
Start at: Fri, 16 Jun 2017 01:18:48 +0000
End at: Fri, 16 Jun 2017 01:19:18 +0000
Local clock offset: 0.596 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:34:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.62 Mbit/s
95th percentile per-packet one-way delay: 192.570 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 18.62 Mbit/s
95th percentile per-packet one-way delay: 192.570 ms
Loss rate: 0.37%
```

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

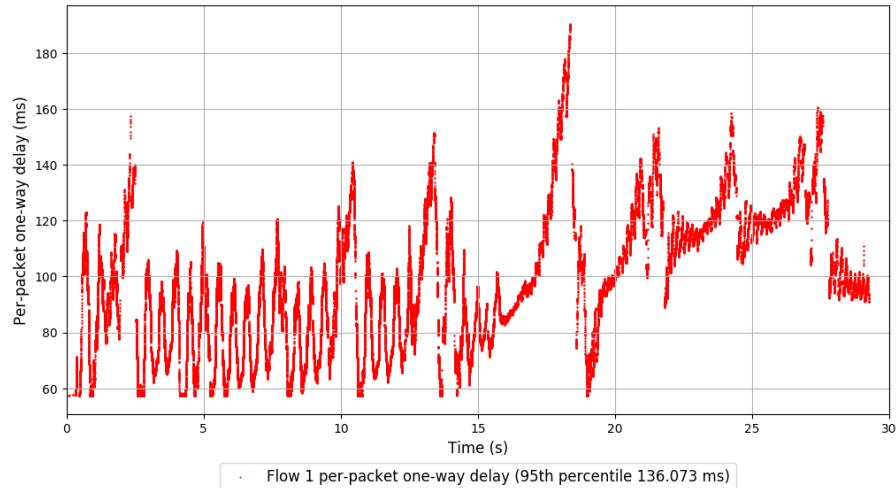
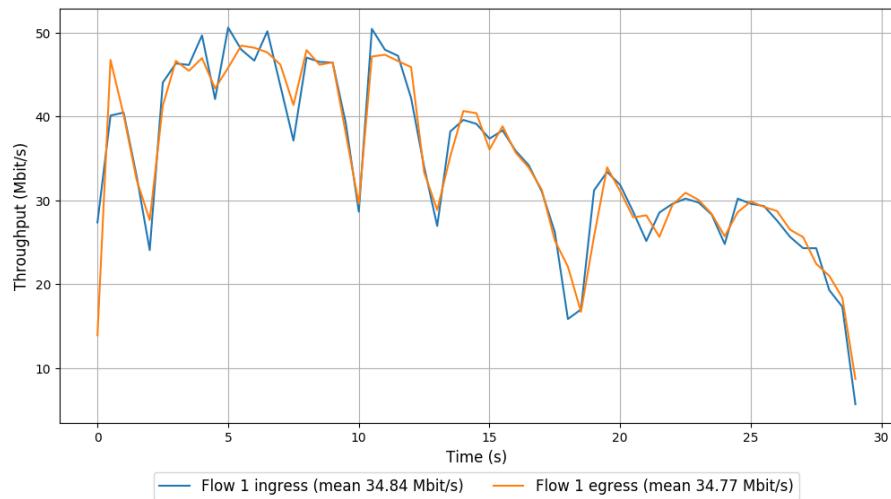


Run 9: Statistics of TaoVA-100x

```
Start at: Fri, 16 Jun 2017 01:36:12 +0000
End at: Fri, 16 Jun 2017 01:36:42 +0000
Local clock offset: -0.421 ms
Remote clock offset: 0.329 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:34:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 136.073 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 34.77 Mbit/s
95th percentile per-packet one-way delay: 136.073 ms
Loss rate: 0.08%
```

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



Run 10: Statistics of TaoVA-100x

Start at: Fri, 16 Jun 2017 01:53:23 +0000

End at: Fri, 16 Jun 2017 01:53:53 +0000

Local clock offset: 1.068 ms

Remote clock offset: 0.231 ms

Below is generated by plot.py at Fri, 16 Jun 2017 05:34:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.85 Mbit/s

95th percentile per-packet one-way delay: 104.217 ms

Loss rate: 1.40%

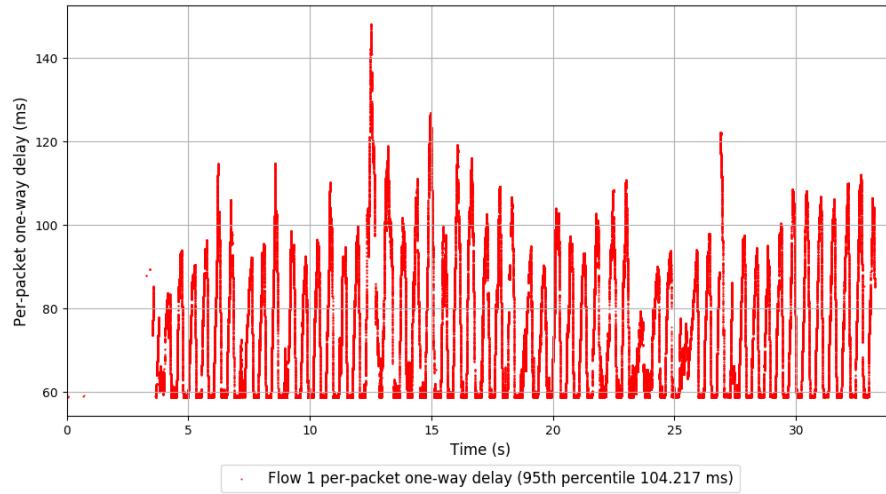
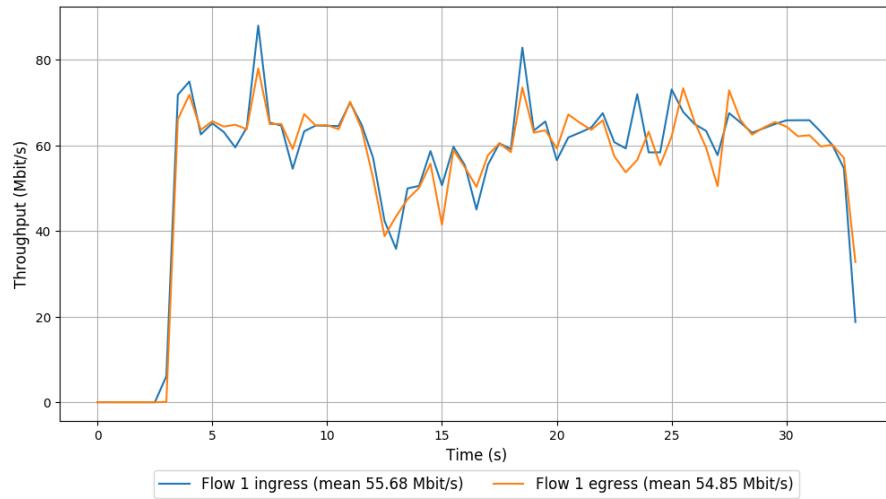
-- Flow 1:

Average throughput: 54.85 Mbit/s

95th percentile per-packet one-way delay: 104.217 ms

Loss rate: 1.40%

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



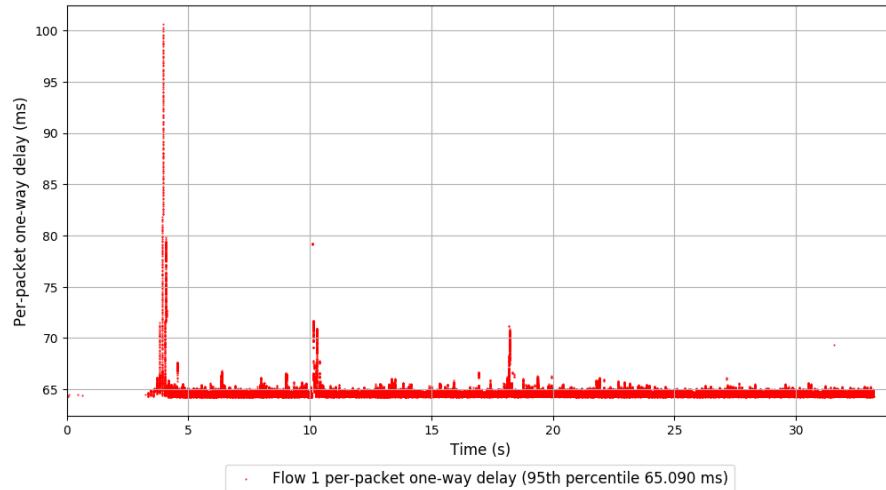
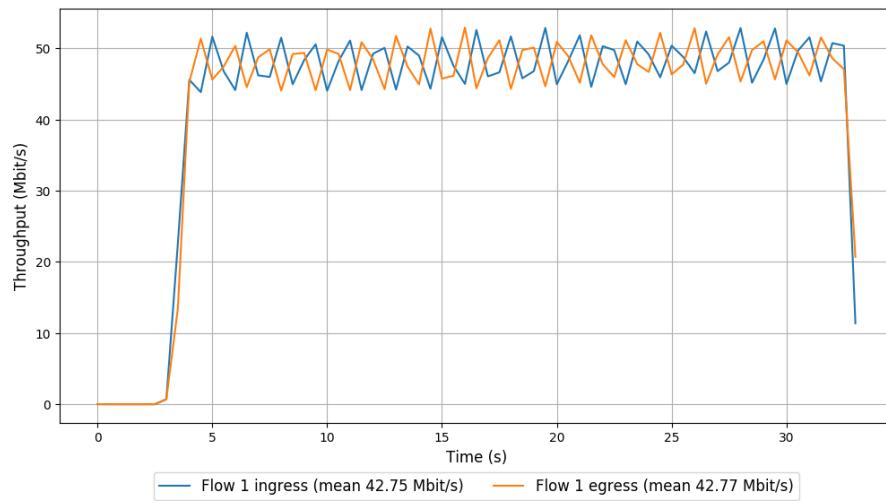
Run 1: Statistics of TCP Vegas

Start at: Thu, 15 Jun 2017 23:14:10 +0000
End at: Thu, 15 Jun 2017 23:14:40 +0000

Local clock offset: 2.315 ms
Remote clock offset: -5.183 ms

```
# Below is generated by plot.py at Fri, 16 Jun 2017 05:34:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.77 Mbit/s
95th percentile per-packet one-way delay: 65.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.77 Mbit/s
95th percentile per-packet one-way delay: 65.090 ms
Loss rate: 0.00%
```

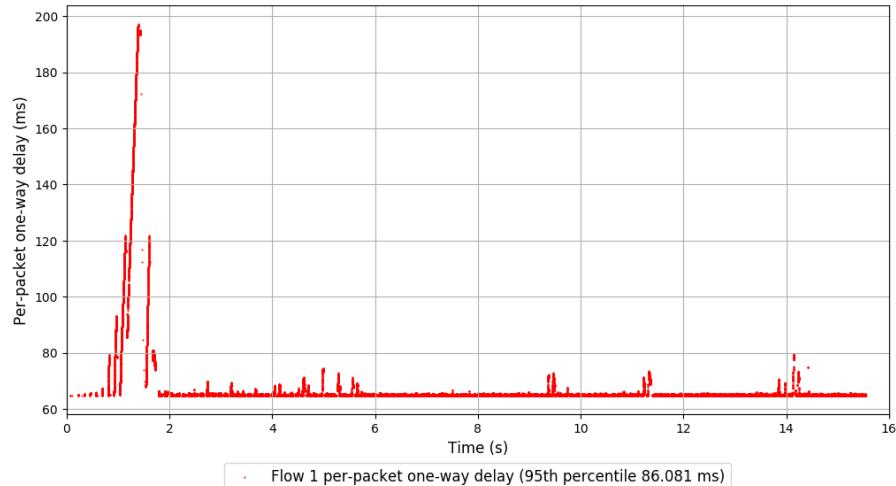
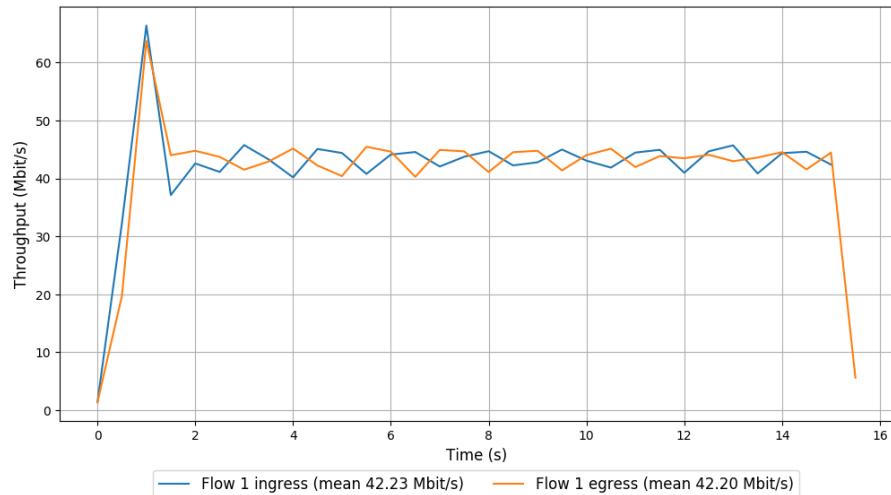
Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Thu, 15 Jun 2017 23:31:44 +0000
End at: Thu, 15 Jun 2017 23:32:14 +0000
Local clock offset: 2.655 ms
Remote clock offset: -5.228 ms

Run 2: Report of TCP Vegas — Data Link

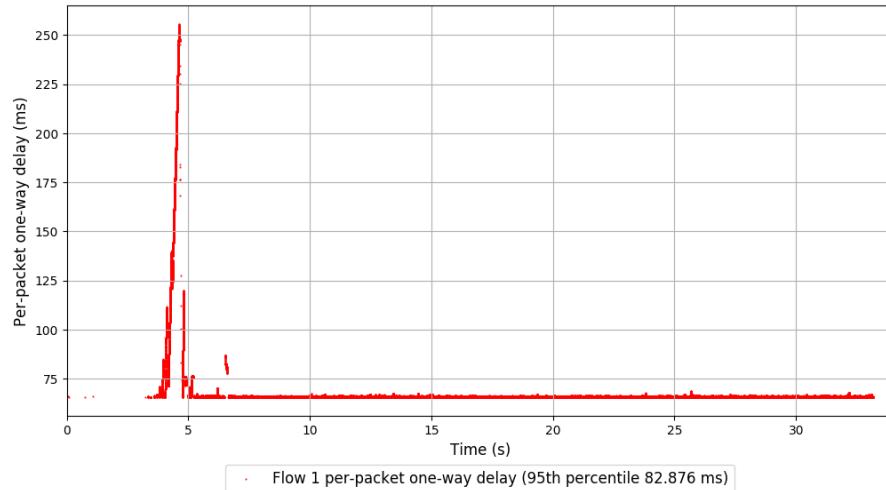
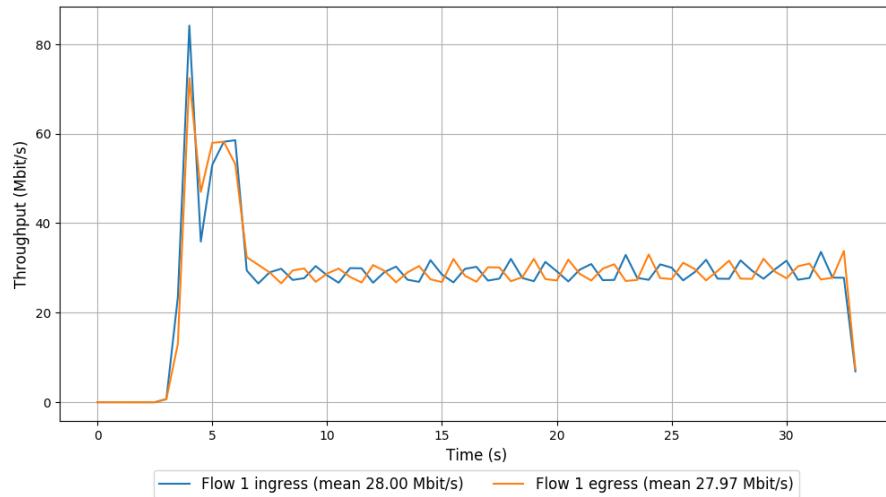


Run 3: Statistics of TCP Vegas

```
Start at: Thu, 15 Jun 2017 23:49:14 +0000
End at: Thu, 15 Jun 2017 23:49:44 +0000
Local clock offset: 3.118 ms
Remote clock offset: -4.962 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:34:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.97 Mbit/s
95th percentile per-packet one-way delay: 82.876 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 27.97 Mbit/s
95th percentile per-packet one-way delay: 82.876 ms
Loss rate: 0.10%
```

Run 3: Report of TCP Vegas — Data Link

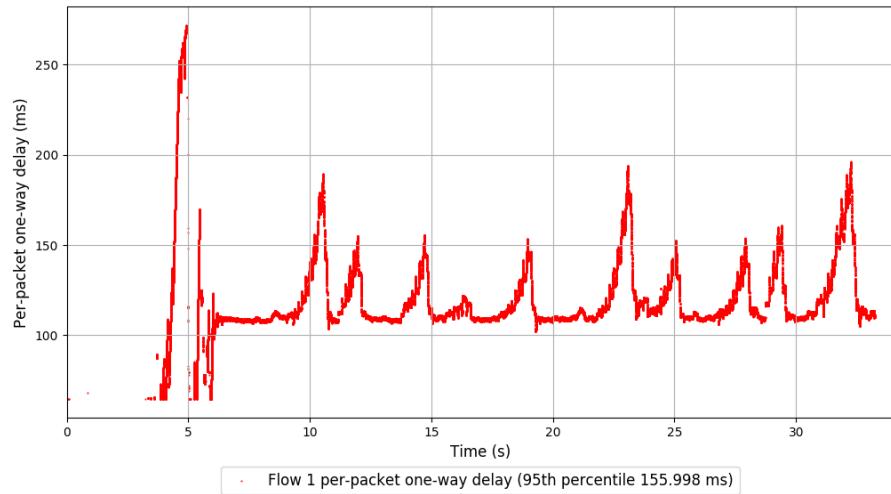
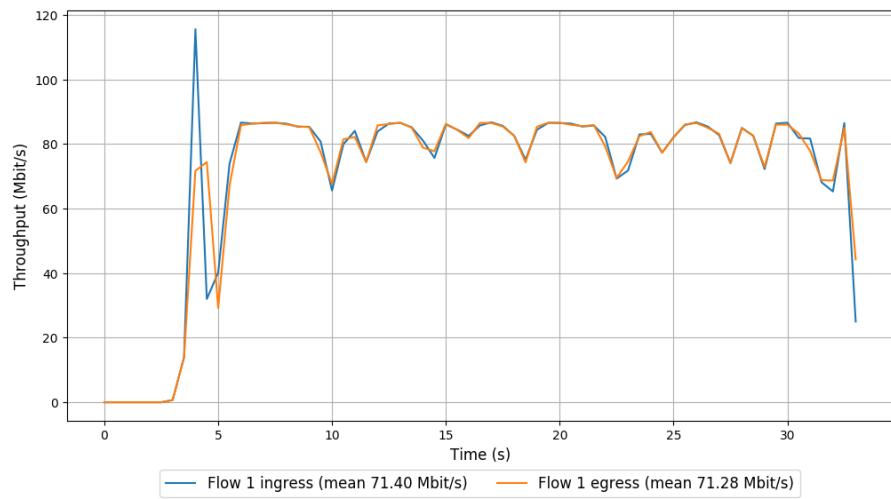


Run 4: Statistics of TCP Vegas

```
Start at: Fri, 16 Jun 2017 00:06:46 +0000
End at: Fri, 16 Jun 2017 00:07:16 +0000
Local clock offset: 2.749 ms
Remote clock offset: -4.143 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:34:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.28 Mbit/s
95th percentile per-packet one-way delay: 155.998 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 71.28 Mbit/s
95th percentile per-packet one-way delay: 155.998 ms
Loss rate: 0.02%
```

Run 4: Report of TCP Vegas — Data Link

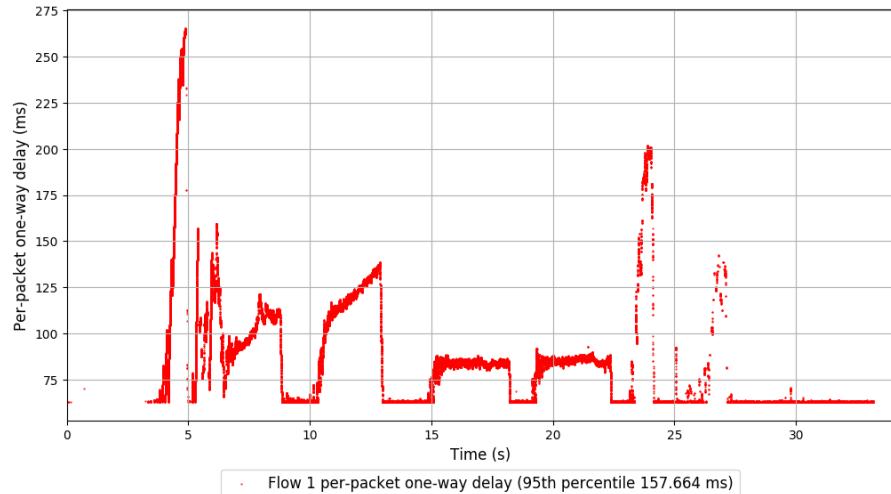
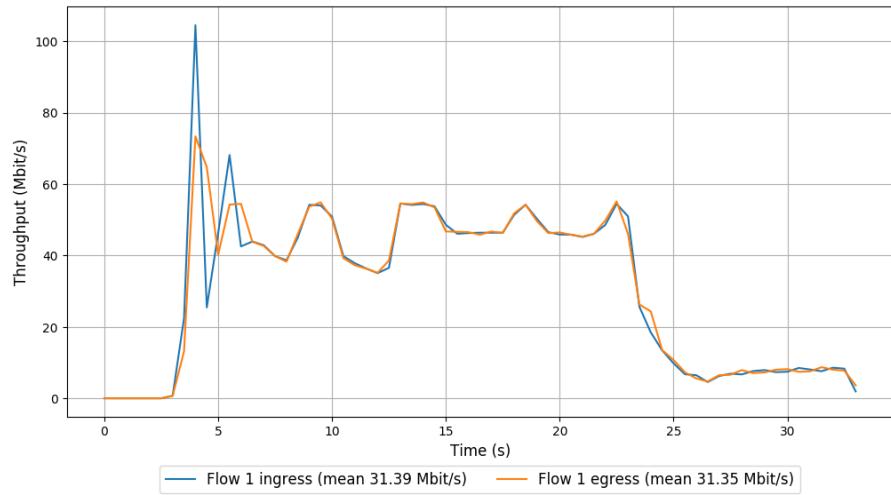


Run 5: Statistics of TCP Vegas

```
Start at: Fri, 16 Jun 2017 00:23:55 +0000
End at: Fri, 16 Jun 2017 00:24:25 +0000
Local clock offset: 2.172 ms
Remote clock offset: -2.998 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:34:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 157.664 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 157.664 ms
Loss rate: 0.15%
```

Run 5: Report of TCP Vegas — Data Link

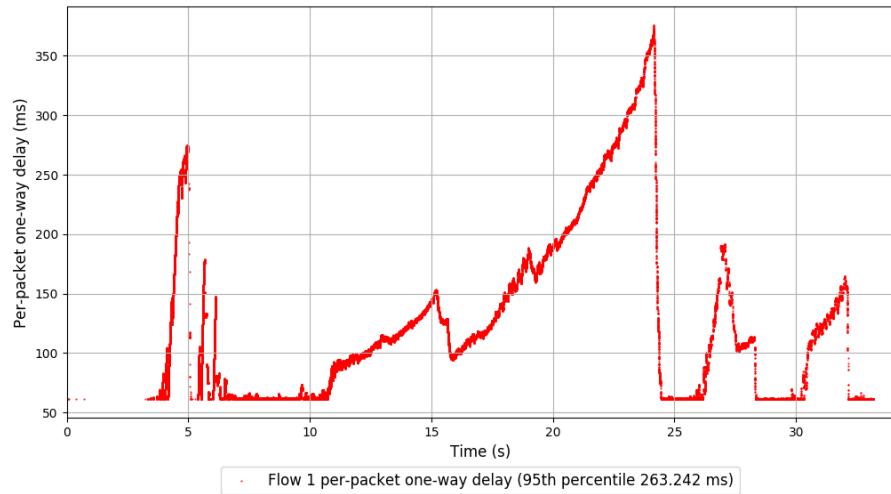
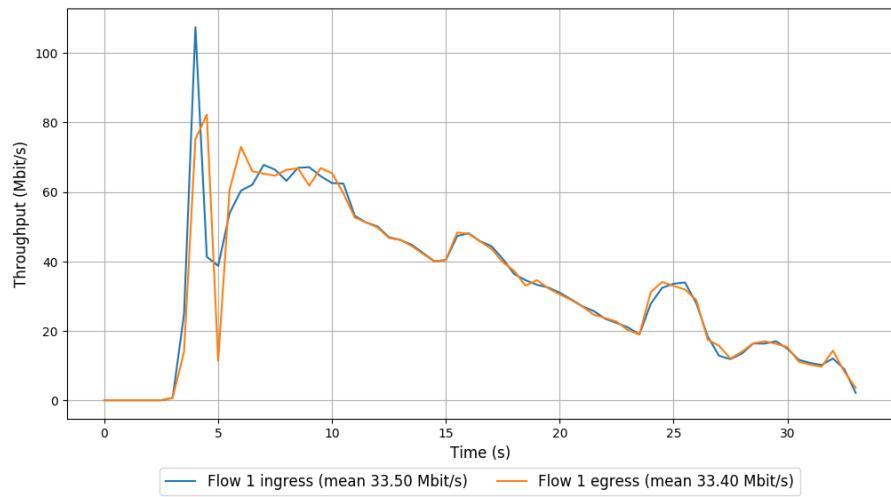


Run 6: Statistics of TCP Vegas

```
Start at: Fri, 16 Jun 2017 00:41:23 +0000
End at: Fri, 16 Jun 2017 00:41:53 +0000
Local clock offset: 2.202 ms
Remote clock offset: -1.704 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:35:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 263.242 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 33.40 Mbit/s
95th percentile per-packet one-way delay: 263.242 ms
Loss rate: 0.30%
```

Run 6: Report of TCP Vegas — Data Link



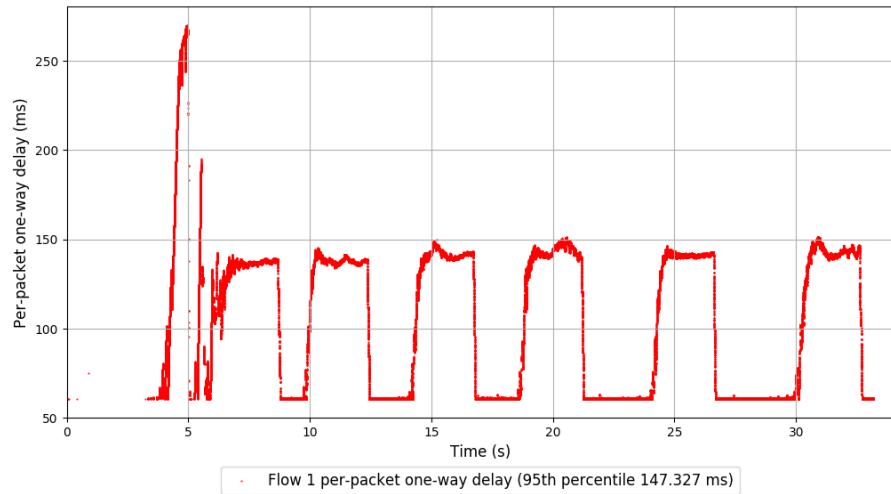
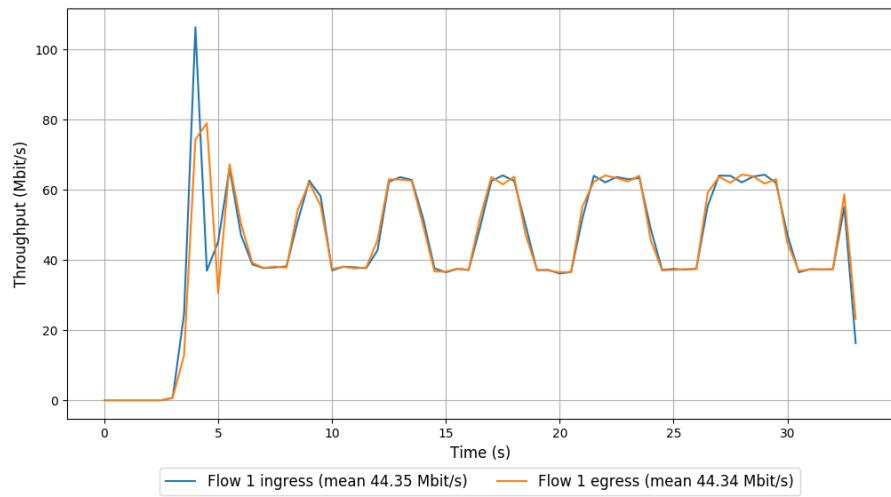
Run 7: Statistics of TCP Vegas

Start at: Fri, 16 Jun 2017 00:58:48 +0000
End at: Fri, 16 Jun 2017 00:59:18 +0000

Local clock offset: 2.416 ms
Remote clock offset: -0.807 ms

```
# Below is generated by plot.py at Fri, 16 Jun 2017 05:35:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.34 Mbit/s
95th percentile per-packet one-way delay: 147.327 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 44.34 Mbit/s
95th percentile per-packet one-way delay: 147.327 ms
Loss rate: 0.03%
```

Run 7: Report of TCP Vegas — Data Link

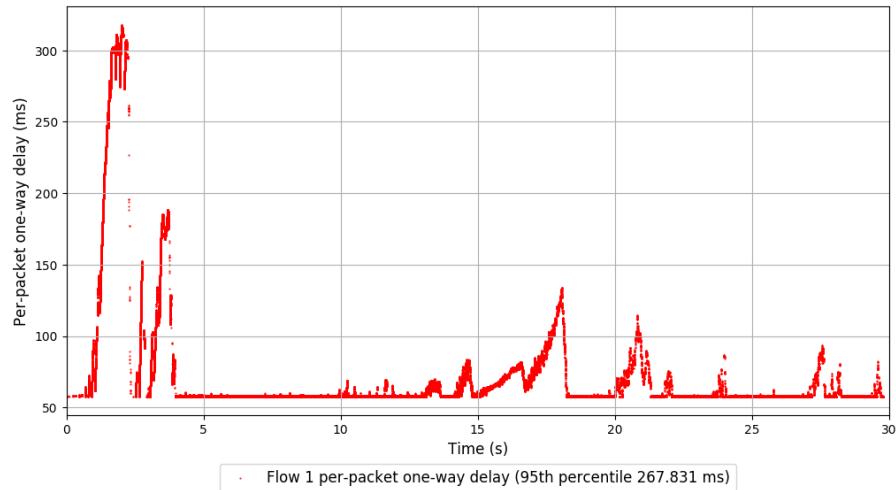
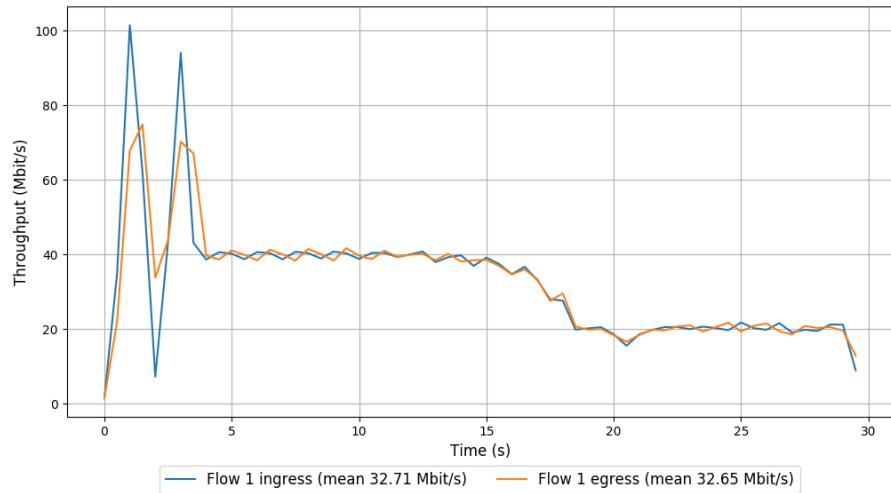


Run 8: Statistics of TCP Vegas

```
Start at: Fri, 16 Jun 2017 01:16:23 +0000
End at: Fri, 16 Jun 2017 01:16:53 +0000
Local clock offset: 0.882 ms
Remote clock offset: -0.411 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:35:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 267.831 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 32.65 Mbit/s
95th percentile per-packet one-way delay: 267.831 ms
Loss rate: 0.17%
```

Run 8: Report of TCP Vegas — Data Link

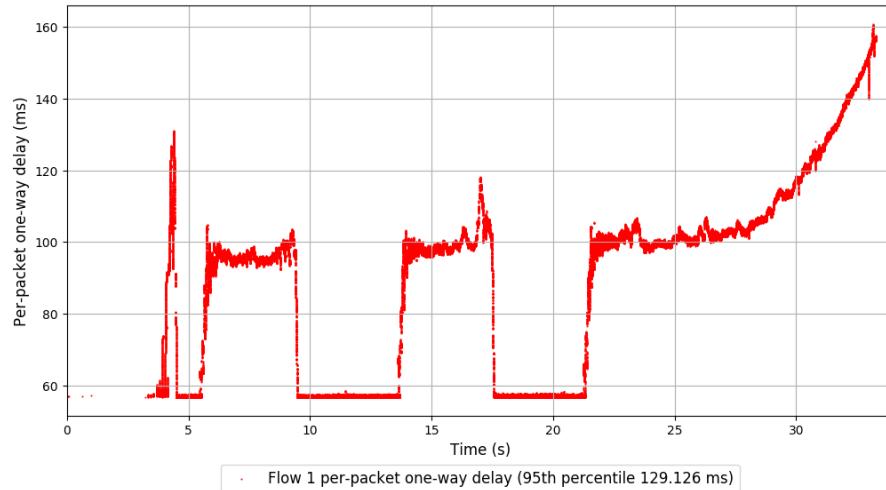
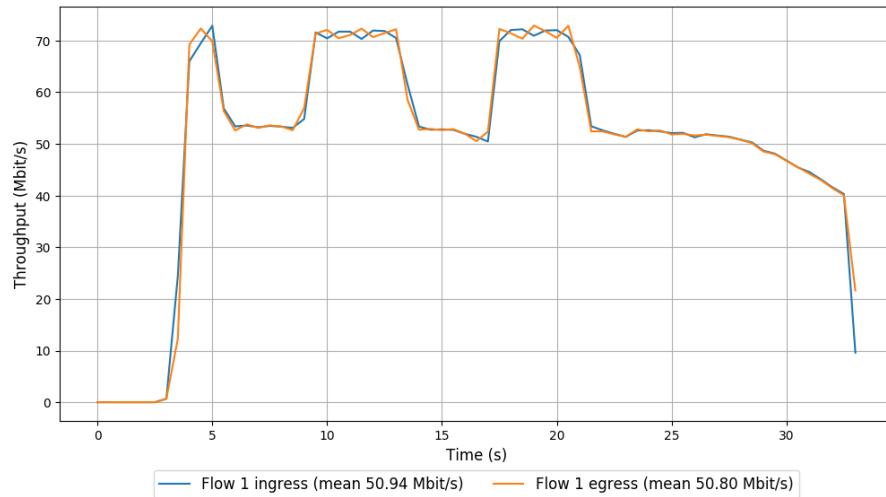


Run 9: Statistics of TCP Vegas

```
Start at: Fri, 16 Jun 2017 01:33:46 +0000
End at: Fri, 16 Jun 2017 01:34:16 +0000
Local clock offset: -0.342 ms
Remote clock offset: 0.109 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:35:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.80 Mbit/s
95th percentile per-packet one-way delay: 129.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.80 Mbit/s
95th percentile per-packet one-way delay: 129.126 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link

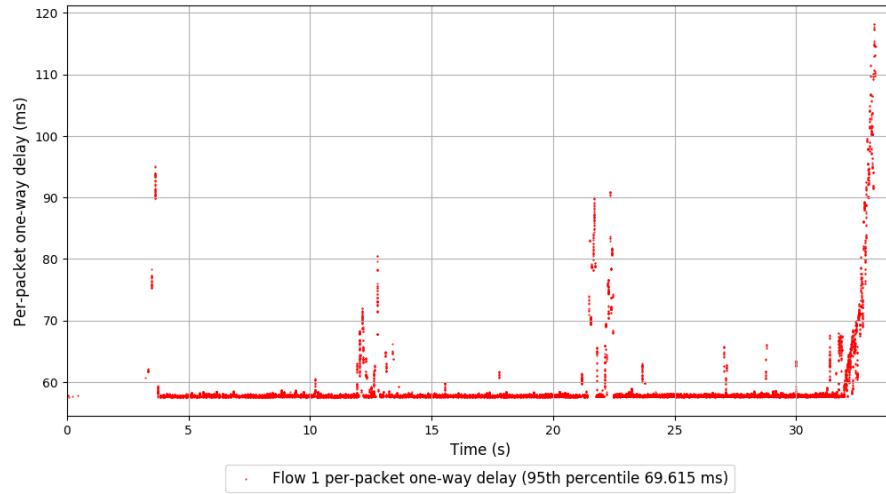
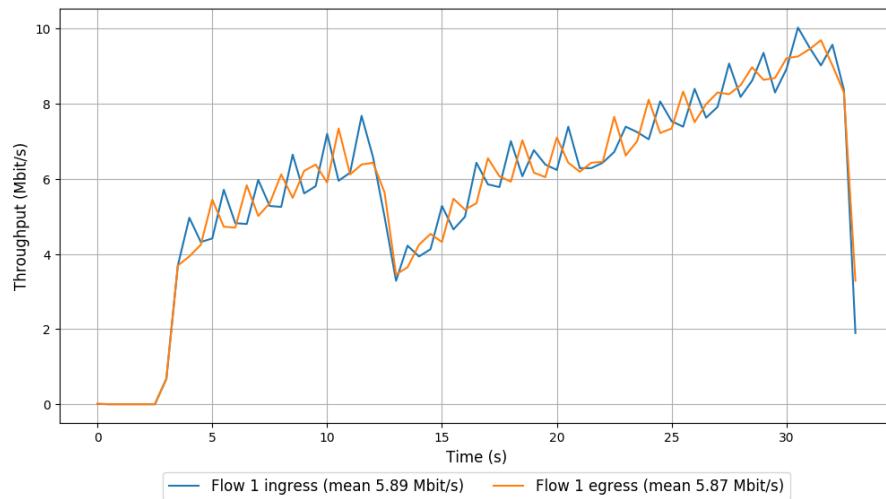


Run 10: Statistics of TCP Vegas

```
Start at: Fri, 16 Jun 2017 01:51:08 +0000
End at: Fri, 16 Jun 2017 01:51:38 +0000
Local clock offset: 0.725 ms
Remote clock offset: -0.143 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:35:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 69.615 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 69.615 ms
Loss rate: 0.14%
```

Run 10: Report of TCP Vegas — Data Link

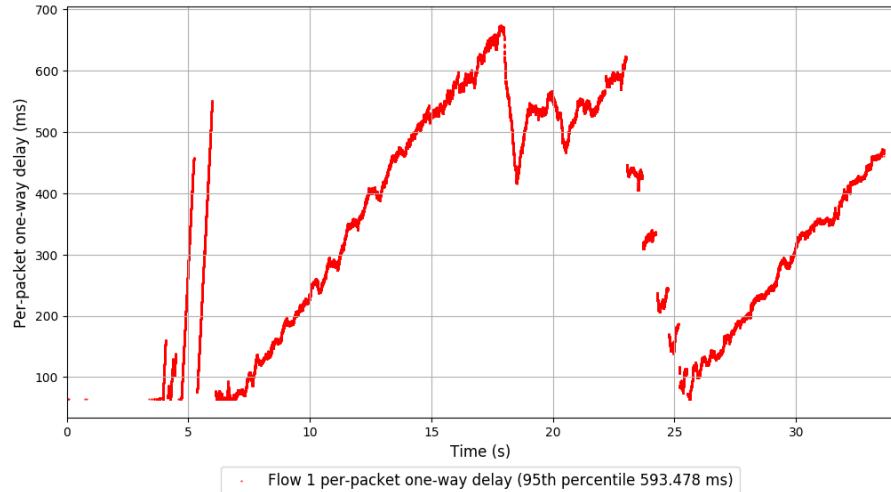
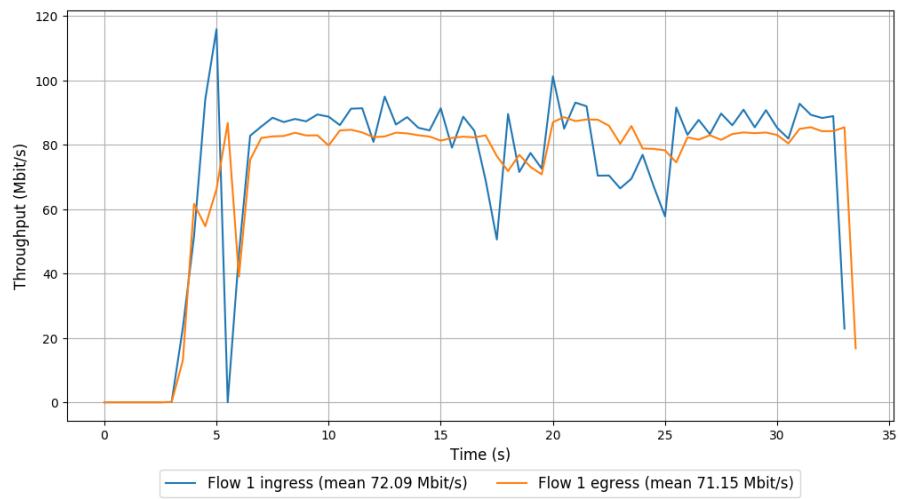


Run 1: Statistics of Verus

```
Start at: Thu, 15 Jun 2017 23:26:58 +0000
End at: Thu, 15 Jun 2017 23:27:28 +0000
Local clock offset: 2.185 ms
Remote clock offset: -5.03 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:35:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.15 Mbit/s
95th percentile per-packet one-way delay: 593.478 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 71.15 Mbit/s
95th percentile per-packet one-way delay: 593.478 ms
Loss rate: 0.13%
```

Run 1: Report of Verus — Data Link

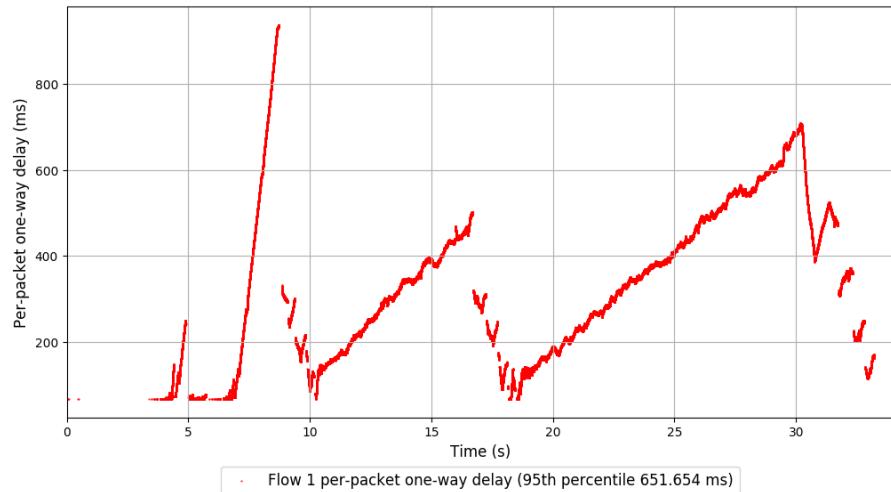
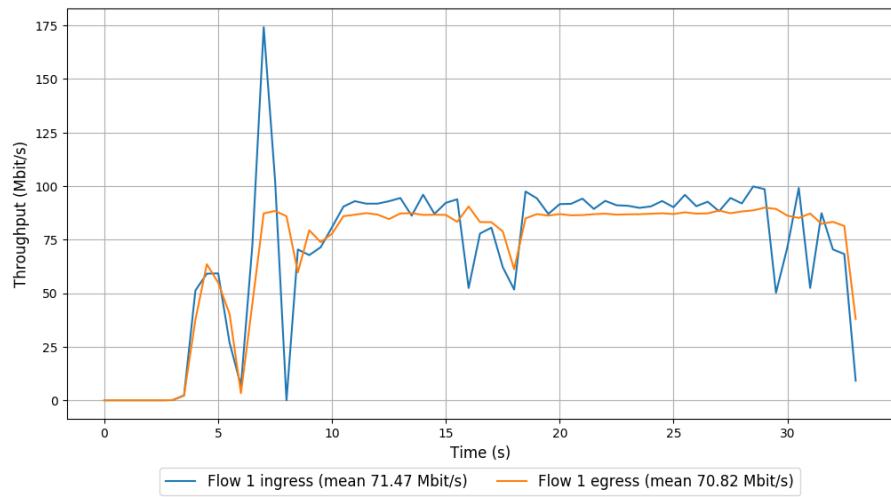


Run 2: Statistics of Verus

```
Start at: Thu, 15 Jun 2017 23:44:34 +0000
End at: Thu, 15 Jun 2017 23:45:04 +0000
Local clock offset: 3.206 ms
Remote clock offset: -4.615 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:35:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.82 Mbit/s
95th percentile per-packet one-way delay: 651.654 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 70.82 Mbit/s
95th percentile per-packet one-way delay: 651.654 ms
Loss rate: 0.59%
```

Run 2: Report of Verus — Data Link

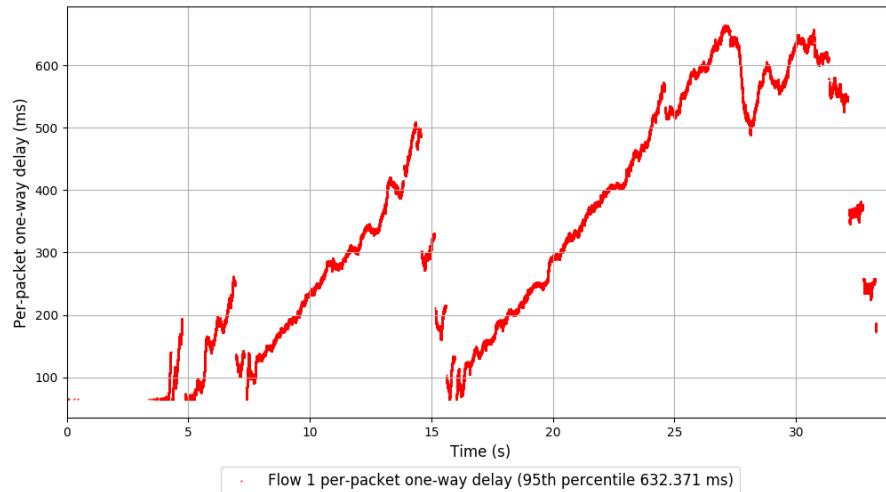
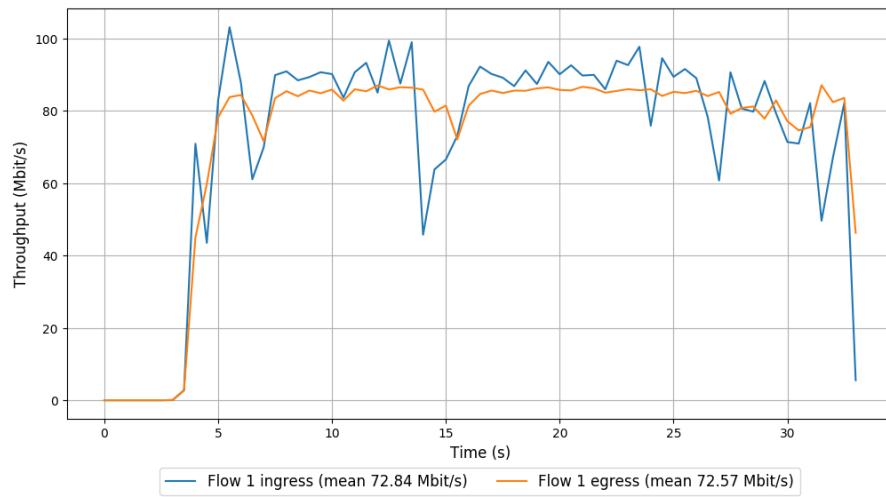


Run 3: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 00:02:06 +0000
End at: Fri, 16 Jun 2017 00:02:36 +0000
Local clock offset: 2.881 ms
Remote clock offset: -4.179 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:35:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.57 Mbit/s
95th percentile per-packet one-way delay: 632.371 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 72.57 Mbit/s
95th percentile per-packet one-way delay: 632.371 ms
Loss rate: 0.06%
```

Run 3: Report of Verus — Data Link

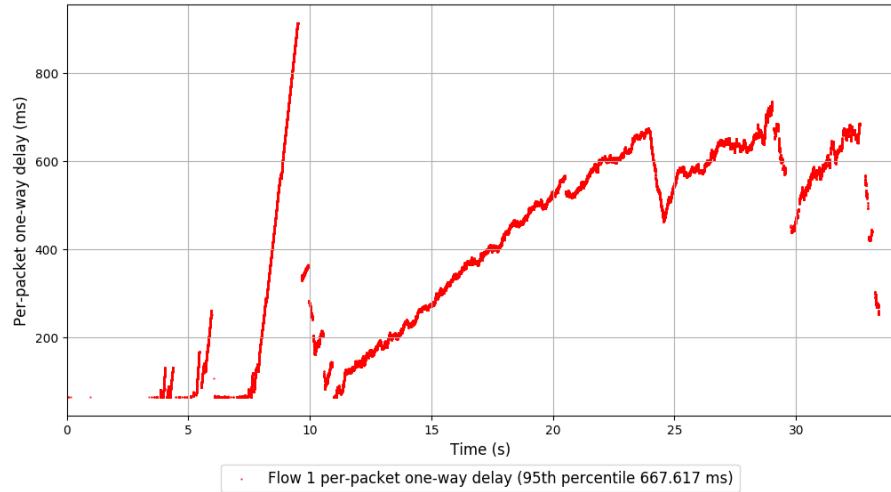
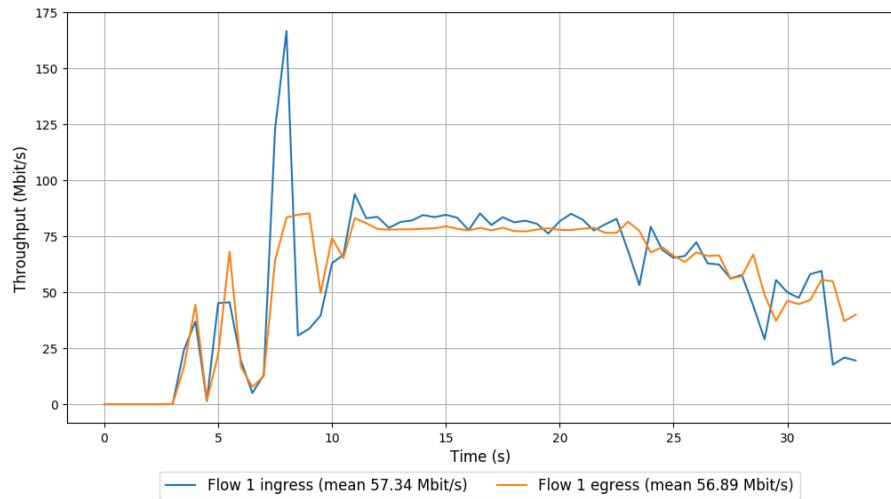


Run 4: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 00:19:22 +0000
End at: Fri, 16 Jun 2017 00:19:52 +0000
Local clock offset: 2.376 ms
Remote clock offset: -3.848 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:35:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 667.617 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 56.89 Mbit/s
95th percentile per-packet one-way delay: 667.617 ms
Loss rate: 0.22%
```

Run 4: Report of Verus — Data Link

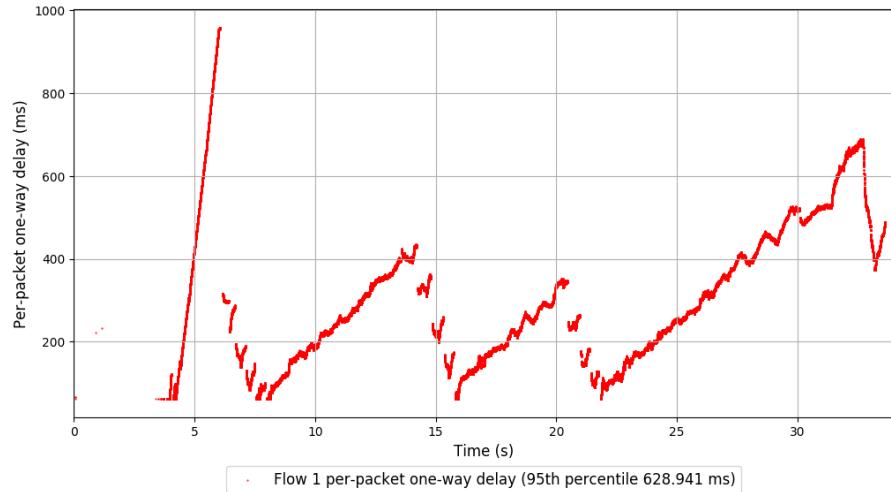
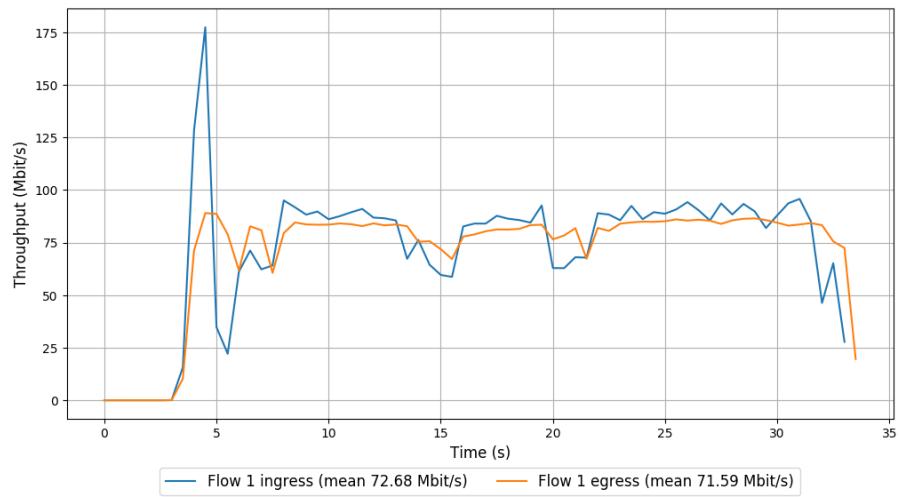


Run 5: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 00:36:37 +0000
End at: Fri, 16 Jun 2017 00:37:07 +0000
Local clock offset: 1.696 ms
Remote clock offset: -2.263 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:35:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.59 Mbit/s
95th percentile per-packet one-way delay: 628.941 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 71.59 Mbit/s
95th percentile per-packet one-way delay: 628.941 ms
Loss rate: 0.25%
```

Run 5: Report of Verus — Data Link

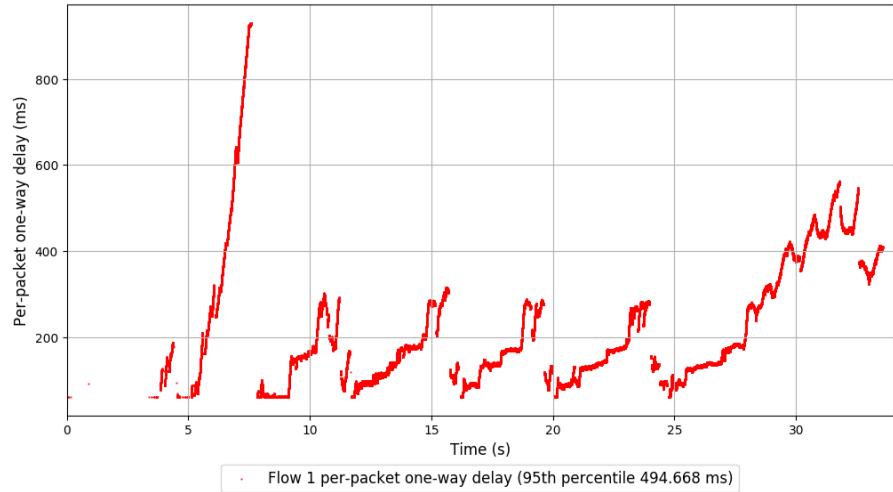
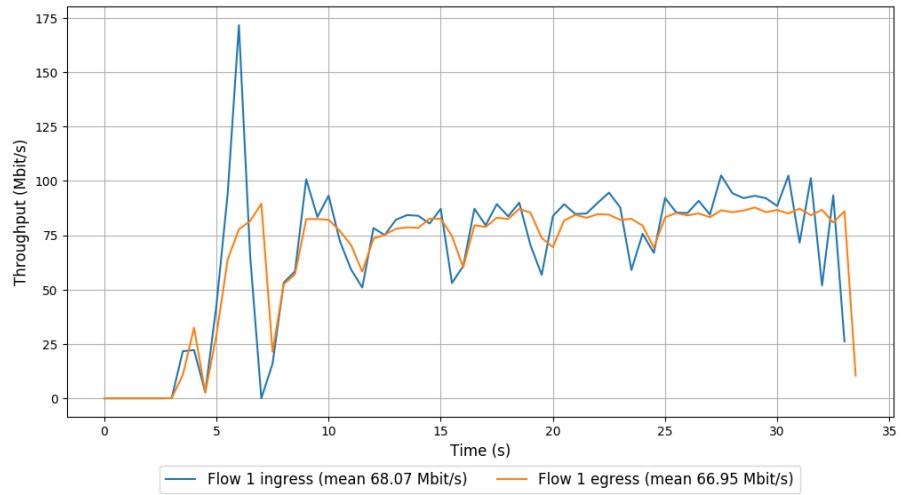


Run 6: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 00:54:14 +0000
End at: Fri, 16 Jun 2017 00:54:44 +0000
Local clock offset: 2.535 ms
Remote clock offset: -1.224 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:35:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.95 Mbit/s
95th percentile per-packet one-way delay: 494.668 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 66.95 Mbit/s
95th percentile per-packet one-way delay: 494.668 ms
Loss rate: 0.63%
```

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Fri, 16 Jun 2017 01:11:29 +0000

End at: Fri, 16 Jun 2017 01:11:59 +0000

Local clock offset: 1.968 ms

Remote clock offset: -0.347 ms

Below is generated by plot.py at Fri, 16 Jun 2017 05:35:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.97 Mbit/s

95th percentile per-packet one-way delay: 639.051 ms

Loss rate: 0.24%

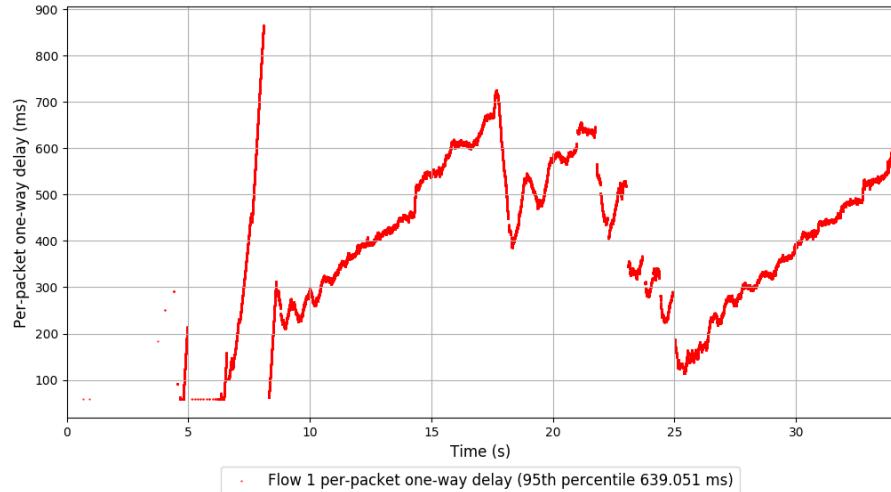
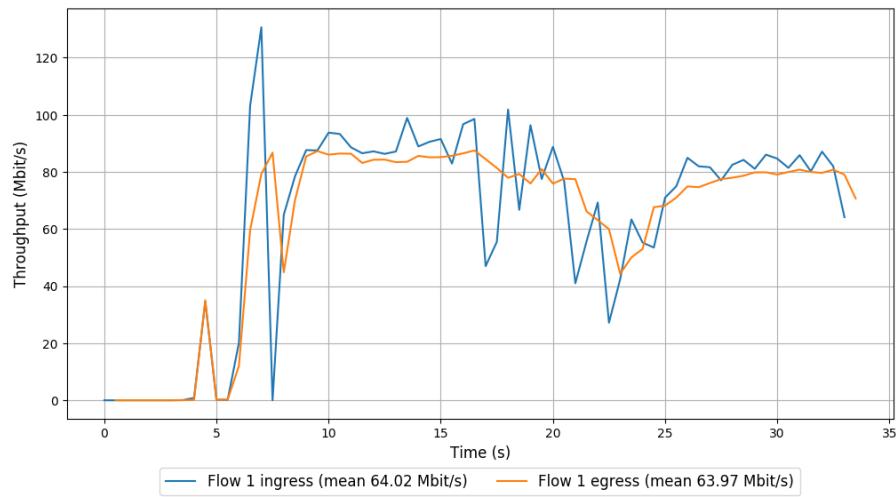
-- Flow 1:

Average throughput: 63.97 Mbit/s

95th percentile per-packet one-way delay: 639.051 ms

Loss rate: 0.24%

Run 7: Report of Verus — Data Link

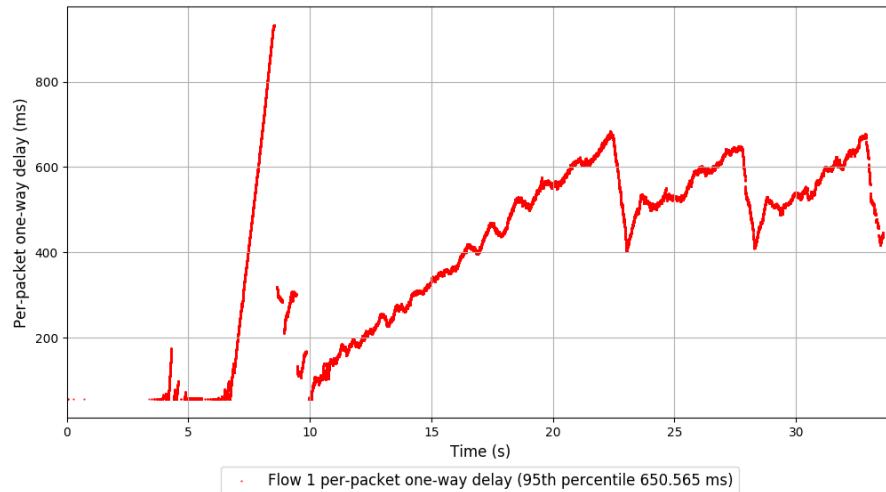
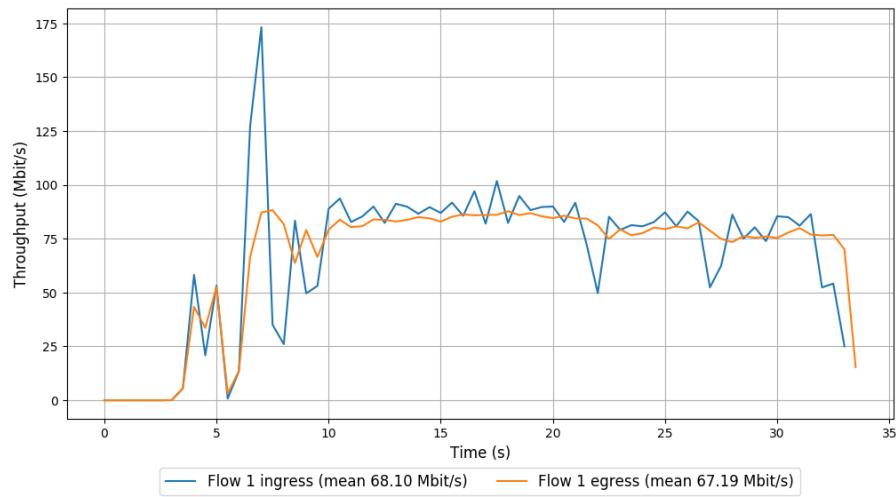


Run 8: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 01:28:57 +0000
End at: Fri, 16 Jun 2017 01:29:27 +0000
Local clock offset: -0.286 ms
Remote clock offset: -0.602 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:35:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.19 Mbit/s
95th percentile per-packet one-way delay: 650.565 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 67.19 Mbit/s
95th percentile per-packet one-way delay: 650.565 ms
Loss rate: 0.18%
```

Run 8: Report of Verus — Data Link

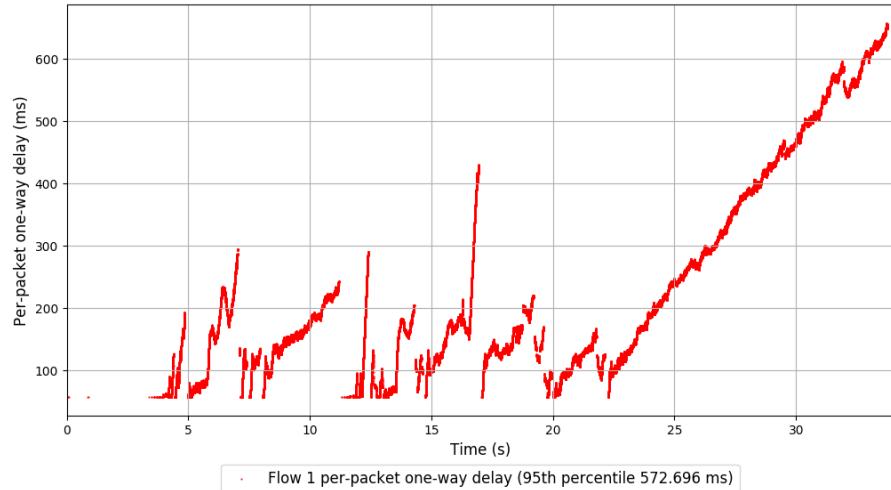
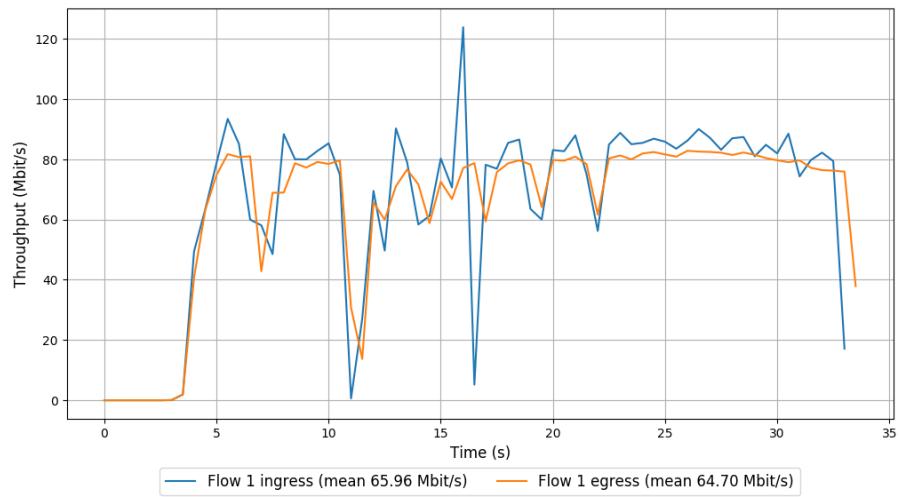


Run 9: Statistics of Verus

```
Start at: Fri, 16 Jun 2017 01:46:32 +0000
End at: Fri, 16 Jun 2017 01:47:02 +0000
Local clock offset: -0.331 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:36:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.70 Mbit/s
95th percentile per-packet one-way delay: 572.696 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 64.70 Mbit/s
95th percentile per-packet one-way delay: 572.696 ms
Loss rate: 0.19%
```

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Fri, 16 Jun 2017 02:03:43 +0000

End at: Fri, 16 Jun 2017 02:04:13 +0000

Local clock offset: 1.763 ms

Remote clock offset: 0.52 ms

Below is generated by plot.py at Fri, 16 Jun 2017 05:36:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.24 Mbit/s

95th percentile per-packet one-way delay: 653.729 ms

Loss rate: 0.30%

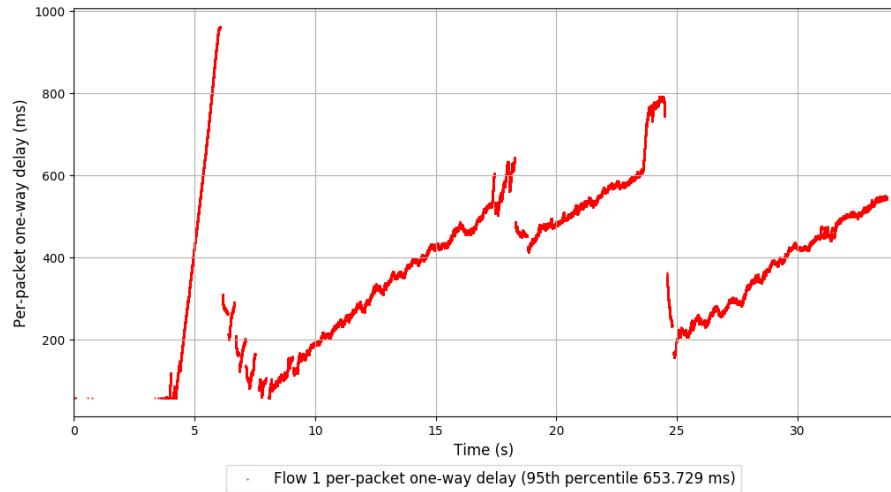
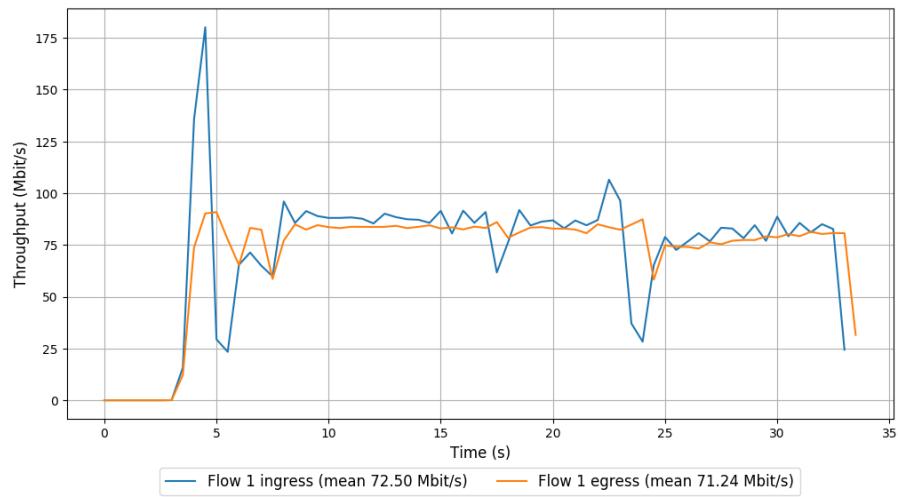
-- Flow 1:

Average throughput: 71.24 Mbit/s

95th percentile per-packet one-way delay: 653.729 ms

Loss rate: 0.30%

Run 10: Report of Verus — Data Link

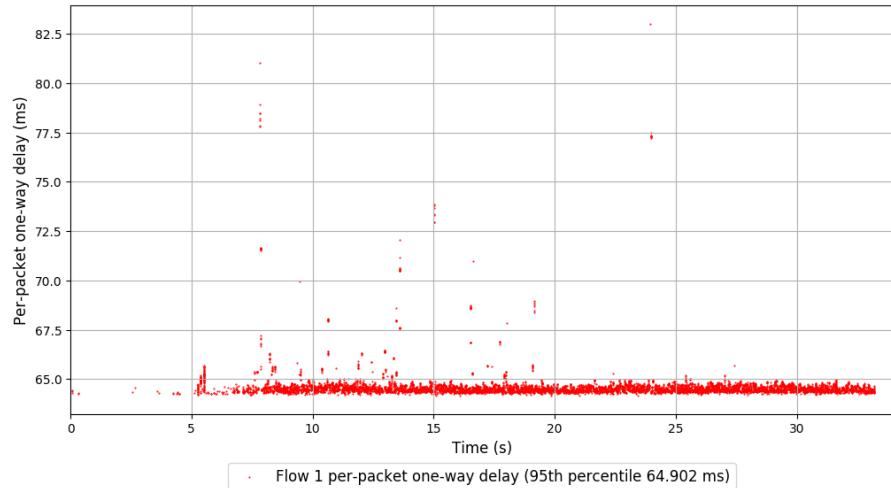
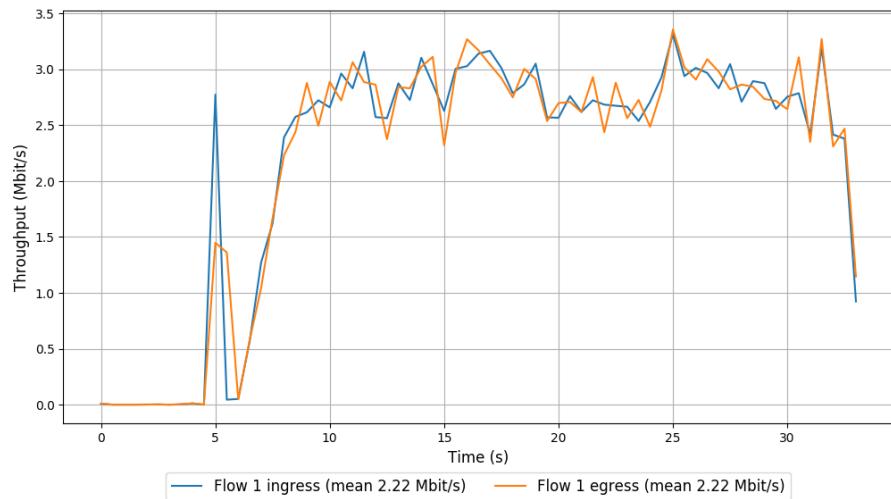


```
Run 1: Statistics of WebRTC media

Start at: Thu, 15 Jun 2017 23:11:56 +0000
End at: Thu, 15 Jun 2017 23:12:26 +0000
Local clock offset: 2.293 ms
Remote clock offset: -5.493 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:36:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 64.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 64.902 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

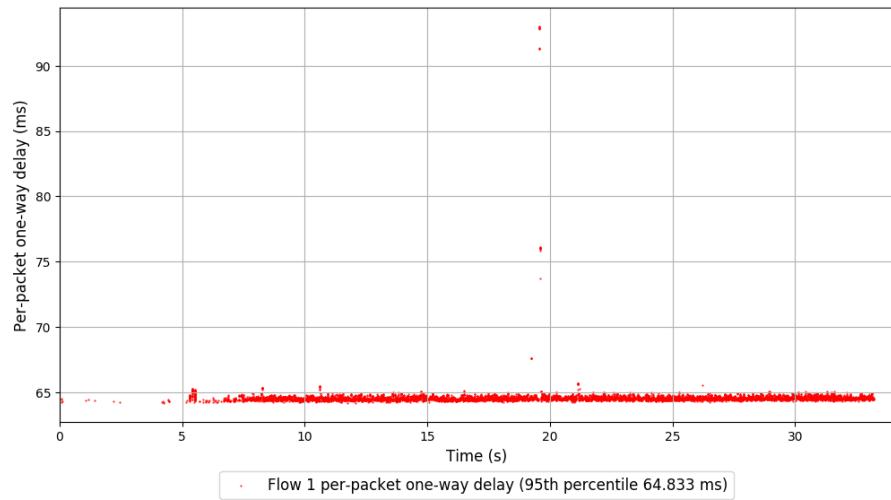
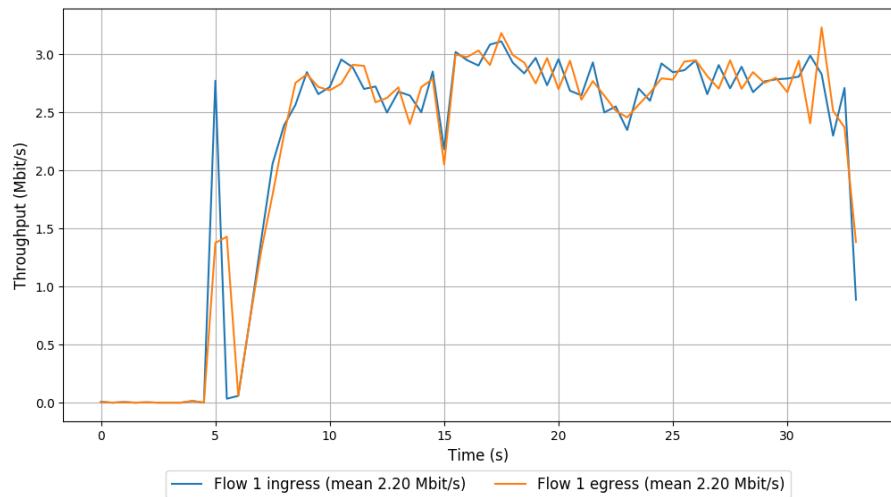


Run 2: Statistics of WebRTC media

```
Start at: Thu, 15 Jun 2017 23:29:31 +0000
End at: Thu, 15 Jun 2017 23:30:01 +0000
Local clock offset: 2.322 ms
Remote clock offset: -5.491 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:36:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 64.833 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 64.833 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

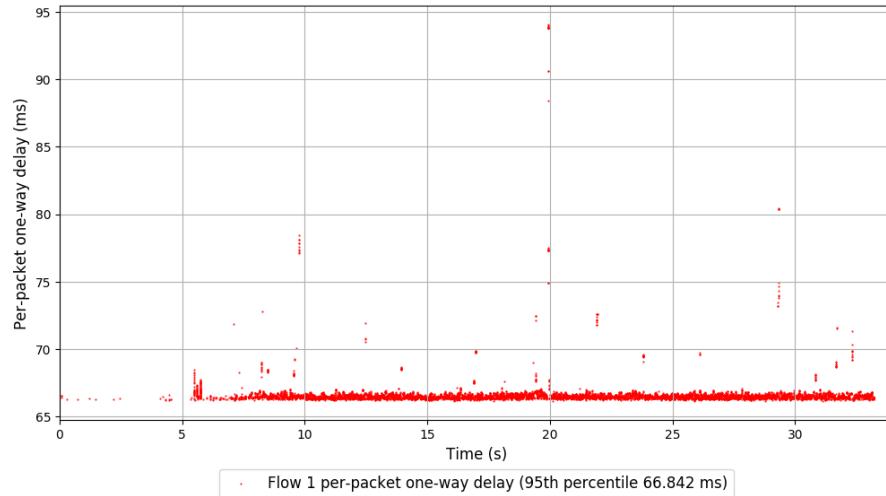
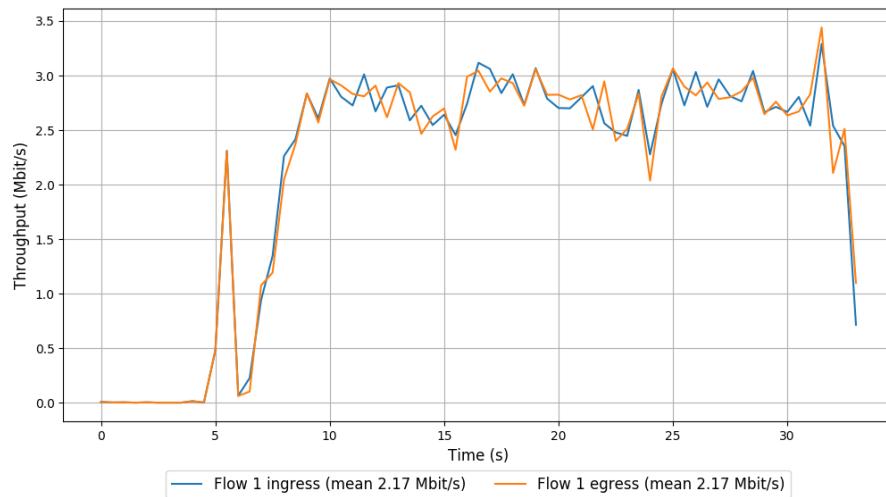


```
Run 3: Statistics of WebRTC media

Start at: Thu, 15 Jun 2017 23:47:00 +0000
End at: Thu, 15 Jun 2017 23:47:30 +0000
Local clock offset: 3.074 ms
Remote clock offset: -5.0 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:36:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 66.842 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 66.842 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

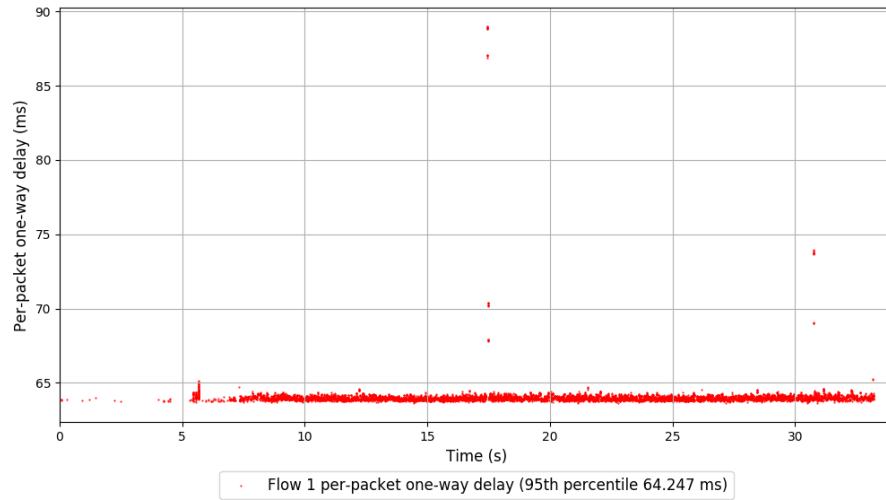
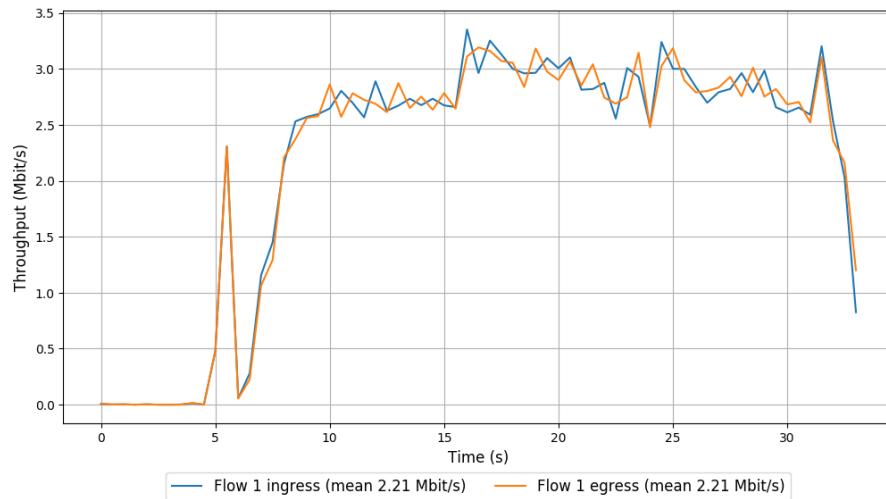


Run 4: Statistics of WebRTC media

```
Start at: Fri, 16 Jun 2017 00:04:33 +0000
End at: Fri, 16 Jun 2017 00:05:03 +0000
Local clock offset: 2.827 ms
Remote clock offset: -4.573 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:36:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 64.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 64.247 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

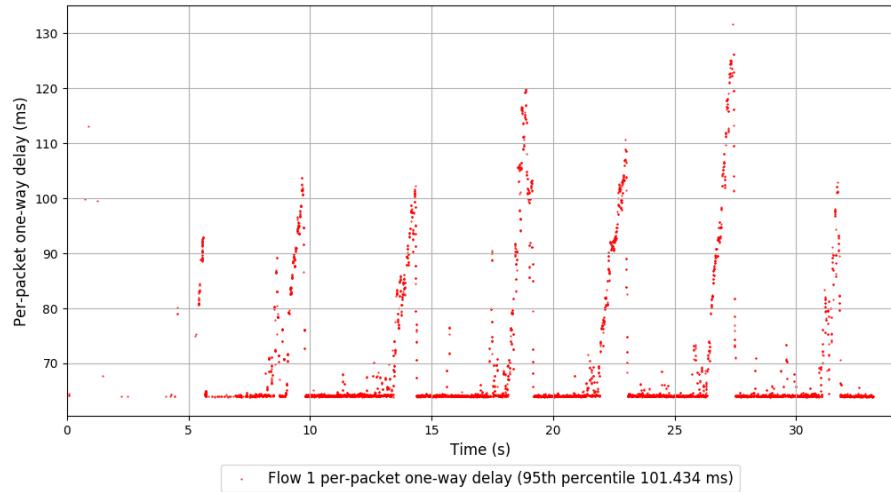
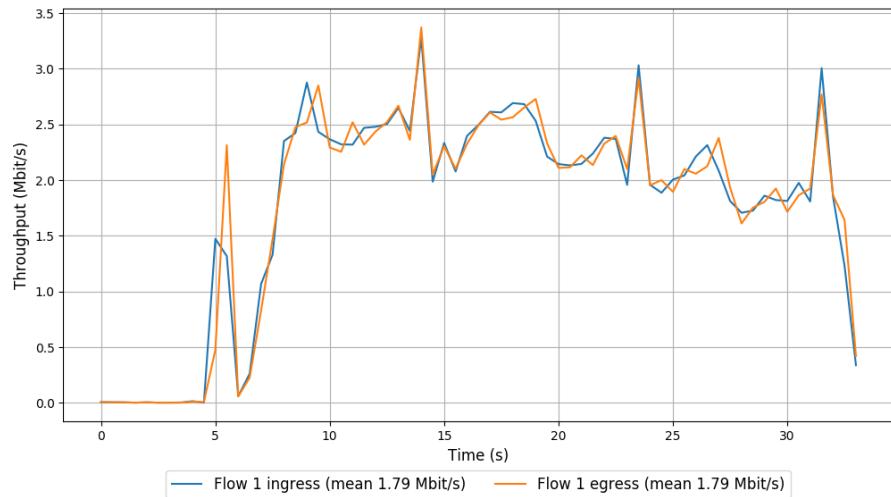


Run 5: Statistics of WebRTC media

```
Start at: Fri, 16 Jun 2017 00:21:41 +0000
End at: Fri, 16 Jun 2017 00:22:11 +0000
Local clock offset: 2.363 ms
Remote clock offset: -3.037 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:36:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 101.434 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.79 Mbit/s
95th percentile per-packet one-way delay: 101.434 ms
Loss rate: 0.03%
```

Run 5: Report of WebRTC media — Data Link



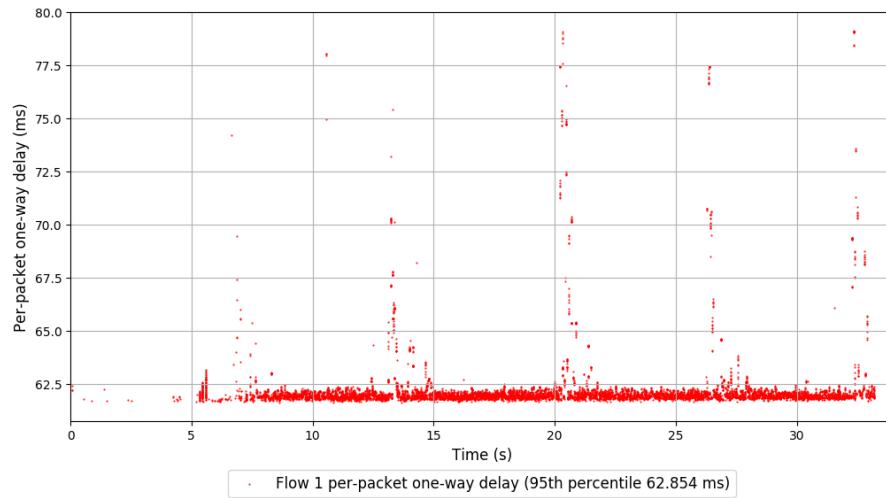
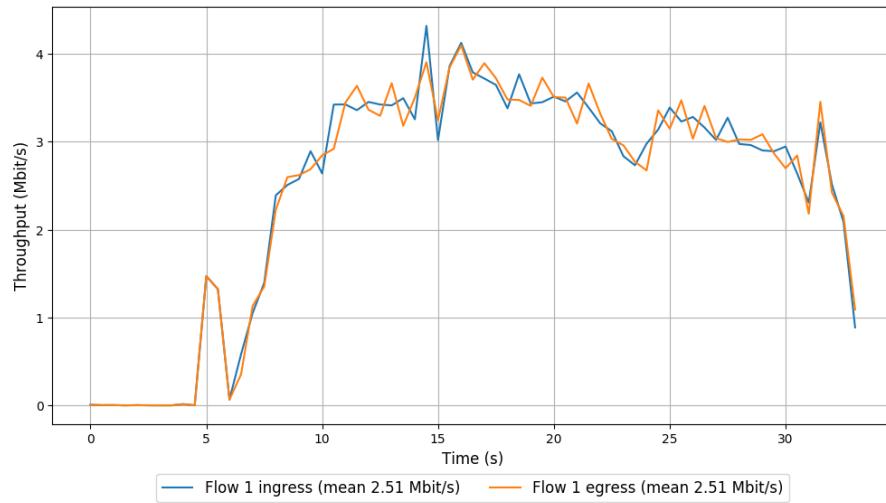
Run 6: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 00:39:10 +0000
End at: Fri, 16 Jun 2017 00:39:40 +0000

Local clock offset: 1.959 ms
Remote clock offset: -2.323 ms

```
# Below is generated by plot.py at Fri, 16 Jun 2017 05:36:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 62.854 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 62.854 ms
Loss rate: 0.09%
```

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 00:56:34 +0000

End at: Fri, 16 Jun 2017 00:57:04 +0000

Local clock offset: 2.447 ms

Remote clock offset: -1.128 ms

Below is generated by plot.py at Fri, 16 Jun 2017 05:36:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 132.911 ms

Loss rate: 0.10%

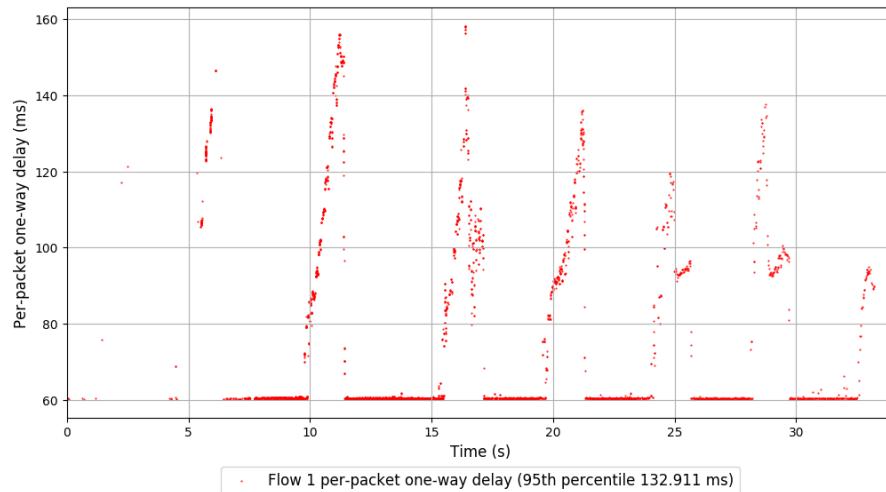
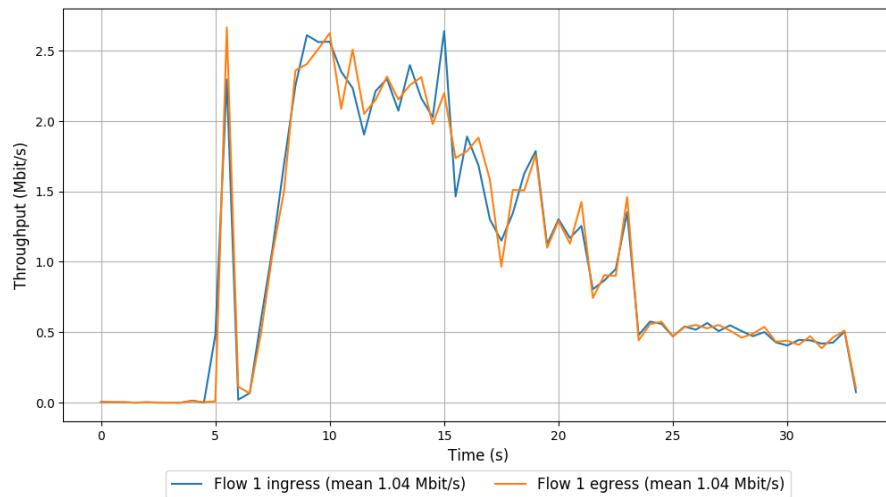
-- Flow 1:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 132.911 ms

Loss rate: 0.10%

Run 7: Report of WebRTC media — Data Link

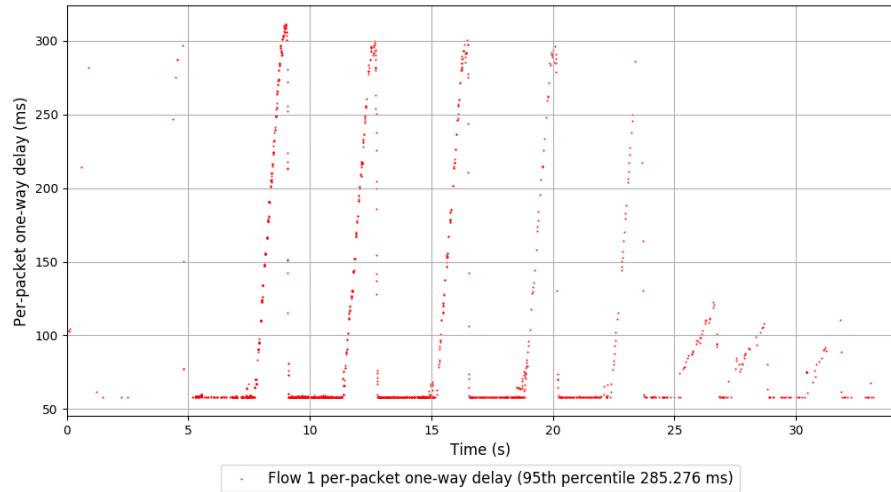
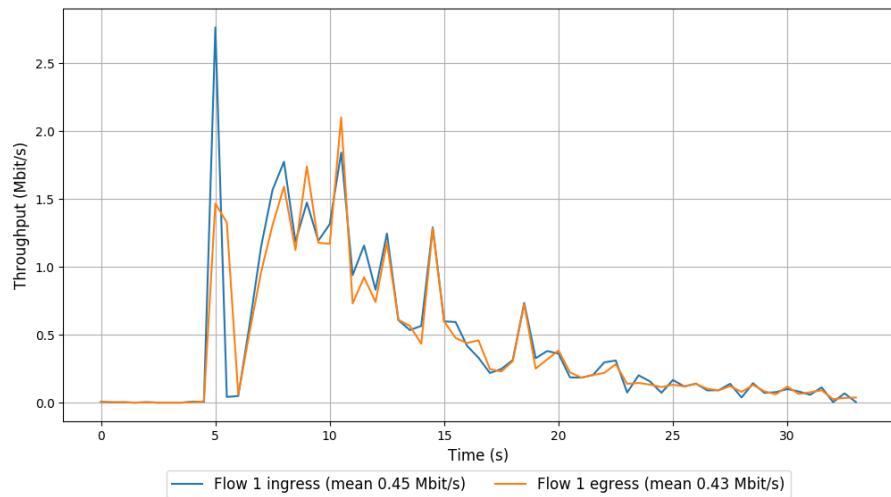


Run 8: Statistics of WebRTC media

```
Start at: Fri, 16 Jun 2017 01:13:57 +0000
End at: Fri, 16 Jun 2017 01:14:27 +0000
Local clock offset: 1.389 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:36:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 285.276 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 285.276 ms
Loss rate: 4.10%
```

Run 8: Report of WebRTC media — Data Link

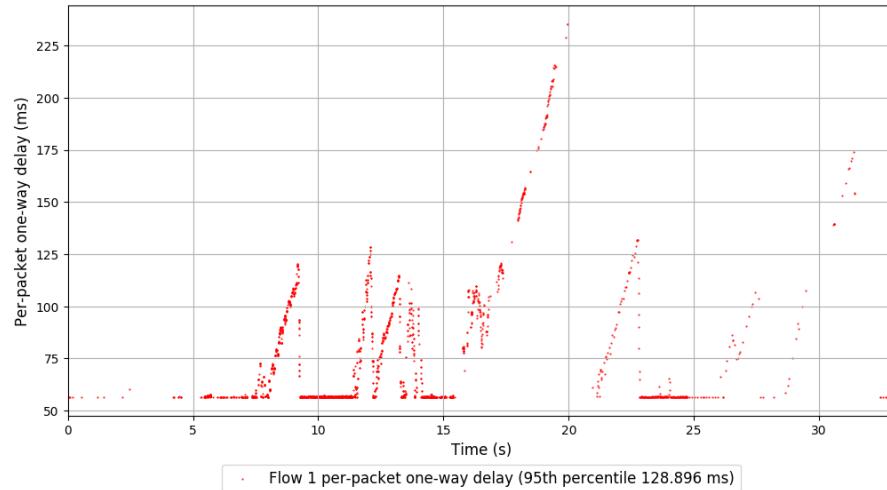
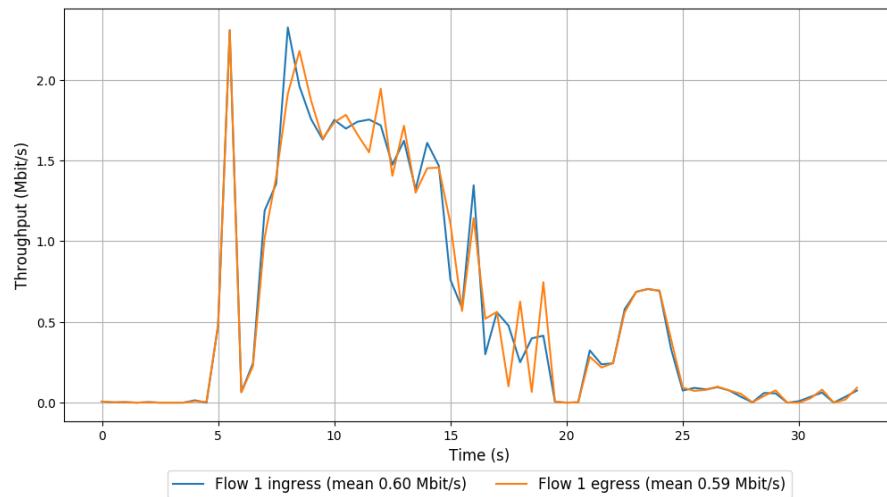


Run 9: Statistics of WebRTC media

```
Start at: Fri, 16 Jun 2017 01:31:30 +0000
End at: Fri, 16 Jun 2017 01:32:00 +0000
Local clock offset: -0.299 ms
Remote clock offset: -0.142 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:36:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 128.896 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 128.896 ms
Loss rate: 0.05%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media

Start at: Fri, 16 Jun 2017 01:48:53 +0000
End at: Fri, 16 Jun 2017 01:49:23 +0000
Local clock offset: 0.342 ms
Remote clock offset: 0.389 ms

# Below is generated by plot.py at Fri, 16 Jun 2017 05:36:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 83.469 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 83.469 ms
Loss rate: 0.01%
```

Run 10: Report of WebRTC media — Data Link

