

**Pantheon Summary** (Generated at Wed, 14 Jun 2017 02:57:44 +0000 with  
pantheon version 0502c2c57571426cde66b34b88203c82b91e4e5c)

Repeated the test of 15 congestion control schemes 10 times.

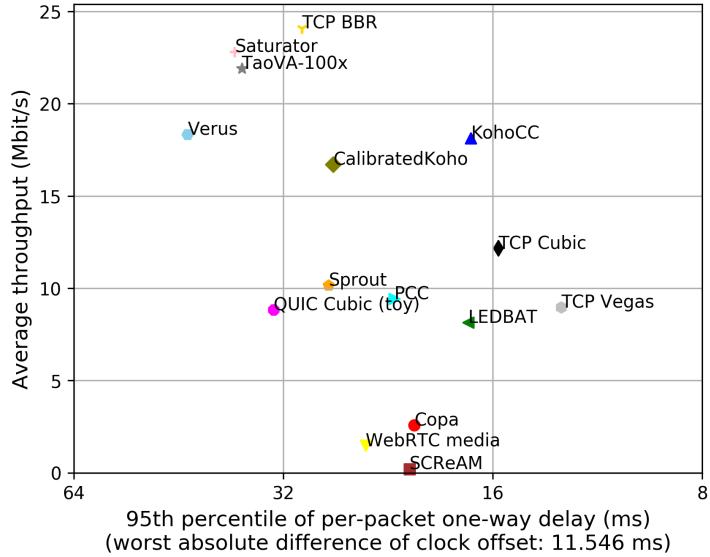
Each test lasted for 30 seconds running 1 flow.

Data path **from** India Ethernet **to** AWS India 1 Ethernet.

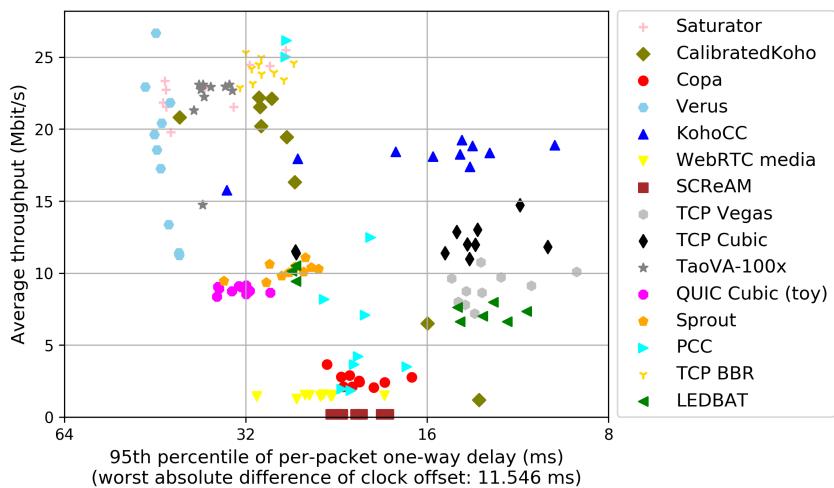
NTP offset measured against nets.org.sg.

```
git branch: master @ 0502c2c57571426cde66b34b88203c82b91e4e5c
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
```

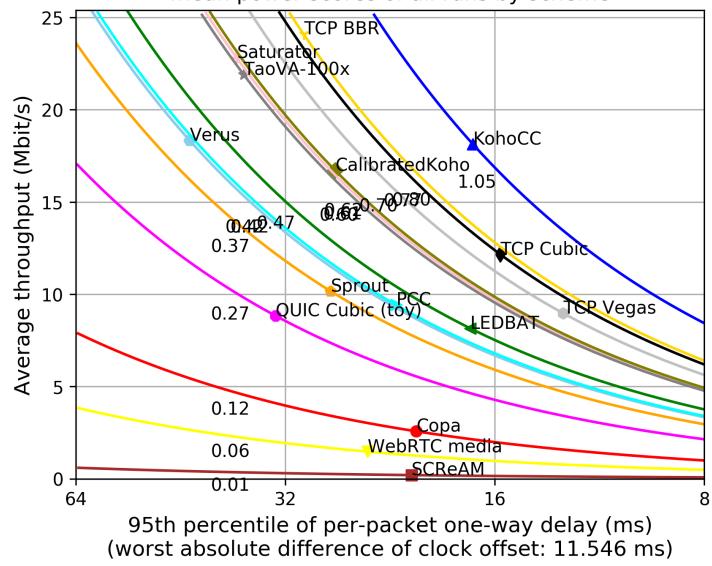
test from India Ethernet to AWS India 1 Ethernet, runs 10 of 30s each per scheme  
mean of all runs by scheme



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



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

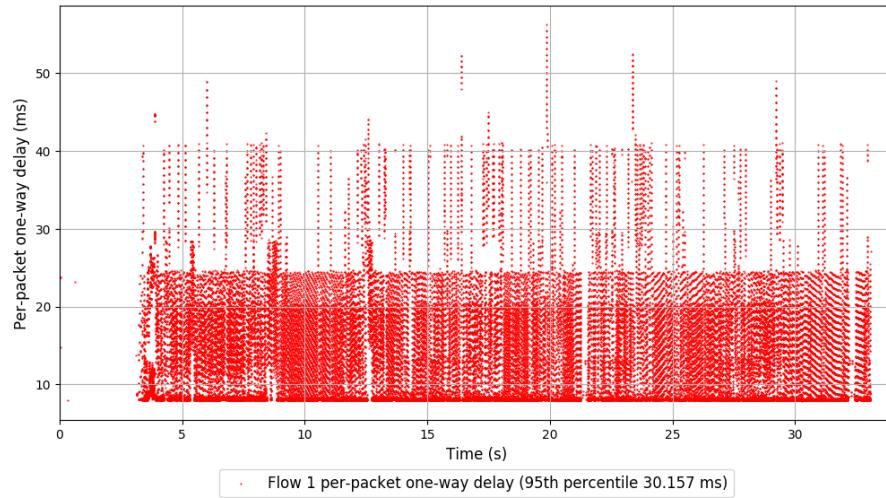
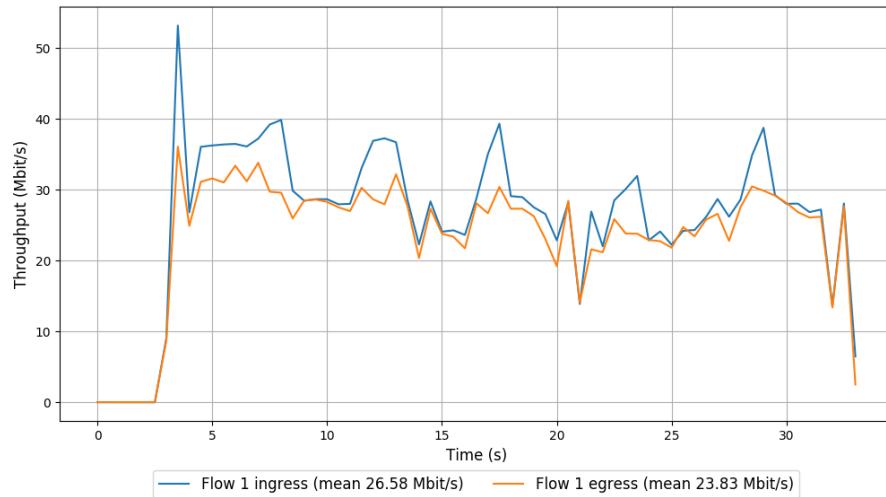


Run 1: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 21:39:29 +0000
End at: Tue, 13 Jun 2017 21:39:59 +0000
Local clock offset: 6.935 ms
Remote clock offset: 0.861 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:36:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 30.157 ms
Loss rate: 10.53%
-- Flow 1:
Average throughput: 23.83 Mbit/s
95th percentile per-packet one-way delay: 30.157 ms
Loss rate: 10.53%
```

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

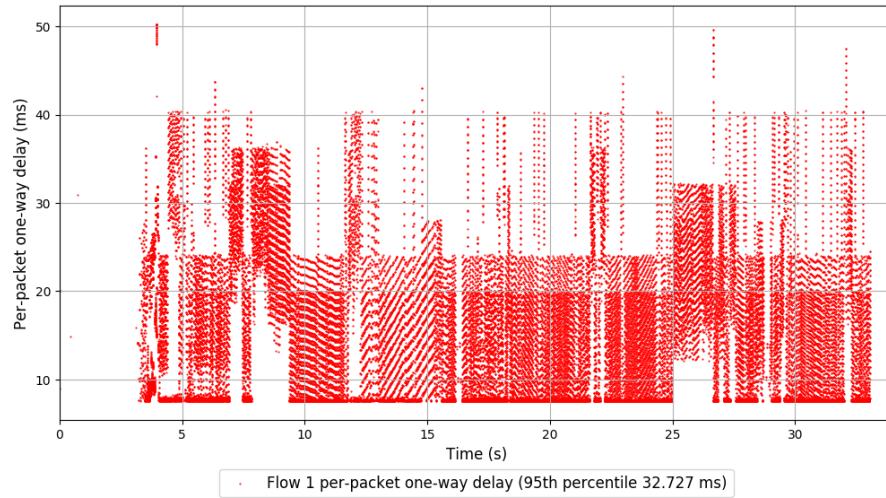
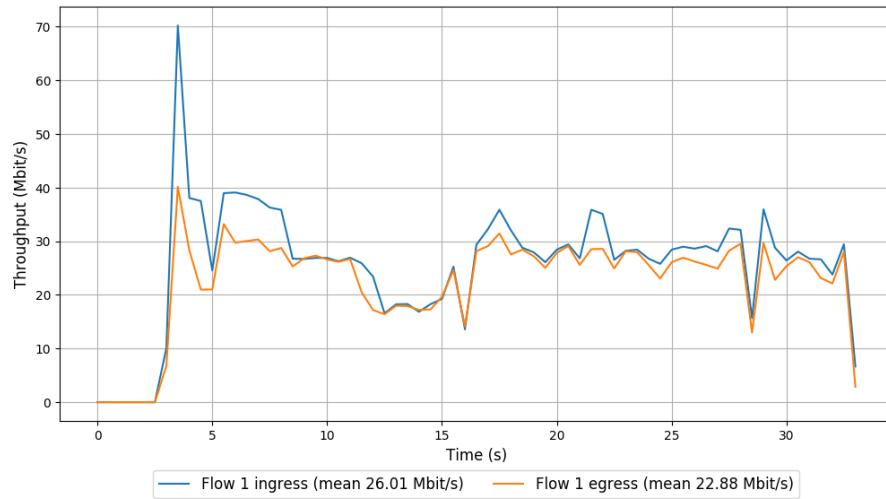


Run 2: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 21:58:08 +0000
End at: Tue, 13 Jun 2017 21:58:38 +0000
Local clock offset: 1.698 ms
Remote clock offset: -0.782 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:36:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 32.727 ms
Loss rate: 12.18%
-- Flow 1:
Average throughput: 22.88 Mbit/s
95th percentile per-packet one-way delay: 32.727 ms
Loss rate: 12.18%
```

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

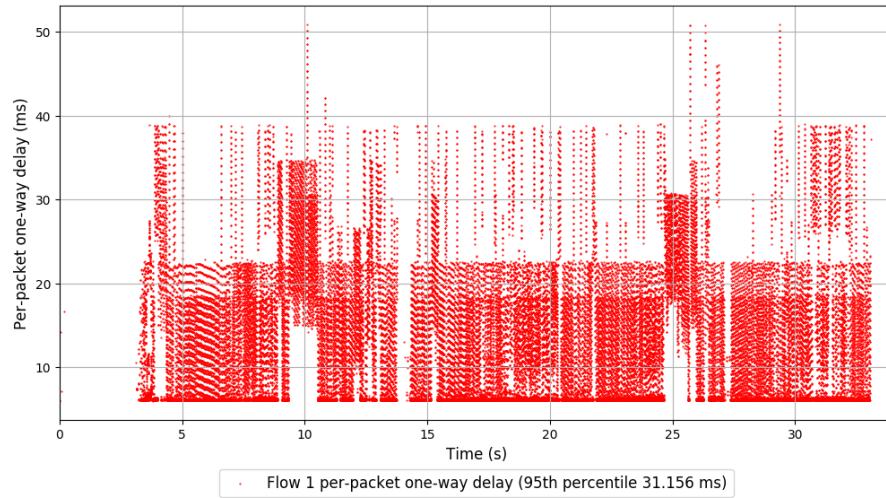
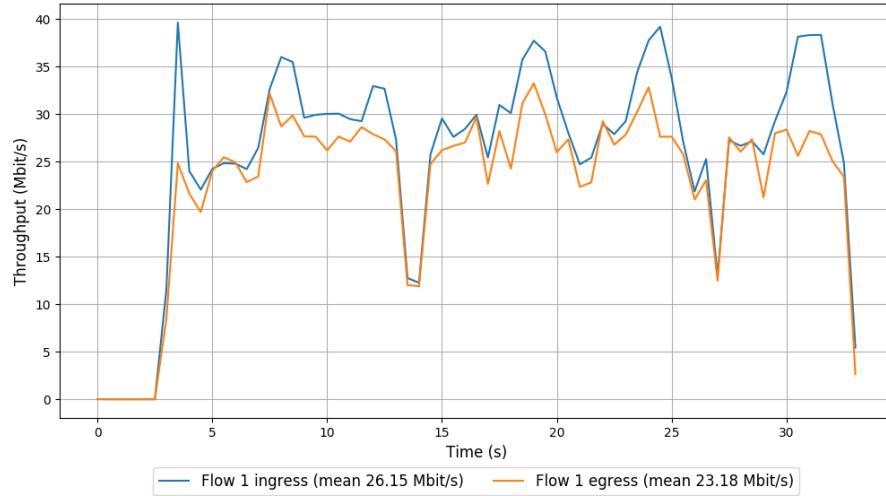


Run 3: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 22:16:41 +0000
End at: Tue, 13 Jun 2017 22:17:11 +0000
Local clock offset: 5.451 ms
Remote clock offset: -0.615 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:37:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 31.156 ms
Loss rate: 11.48%
-- Flow 1:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 31.156 ms
Loss rate: 11.48%
```

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

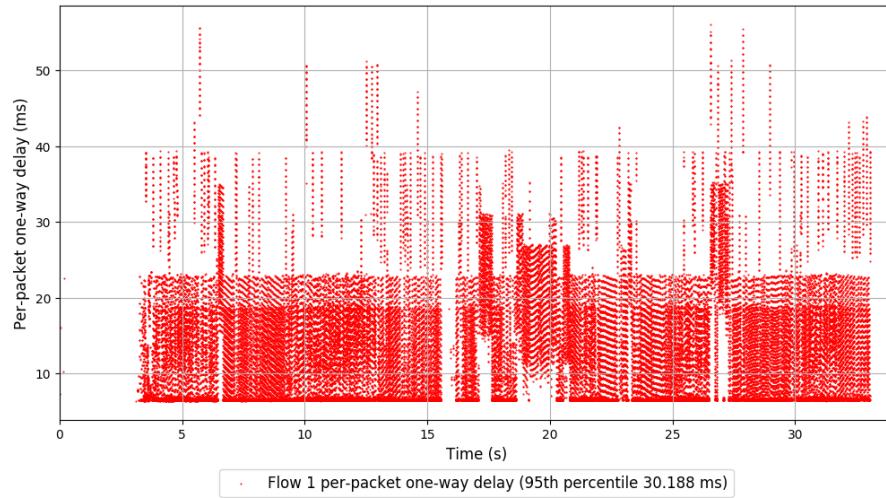
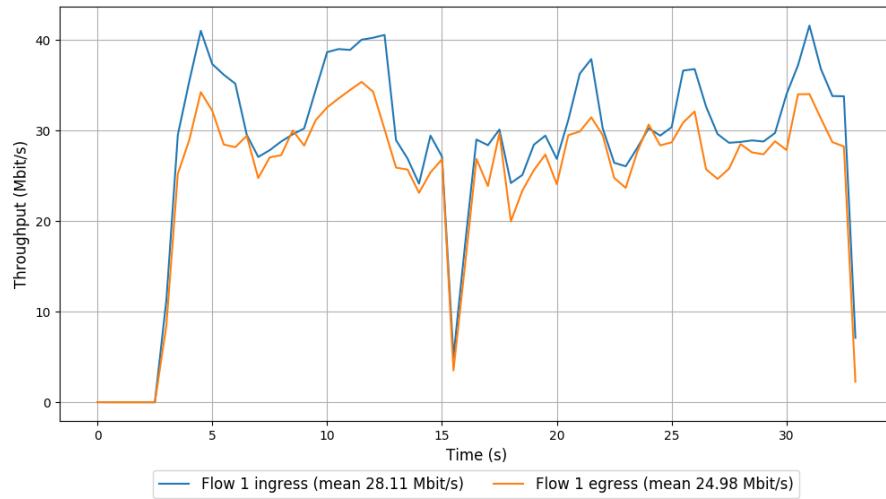


Run 4: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 22:35:14 +0000
End at: Tue, 13 Jun 2017 22:35:44 +0000
Local clock offset: 1.448 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:37:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 30.188 ms
Loss rate: 11.27%
-- Flow 1:
Average throughput: 24.98 Mbit/s
95th percentile per-packet one-way delay: 30.188 ms
Loss rate: 11.27%
```

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

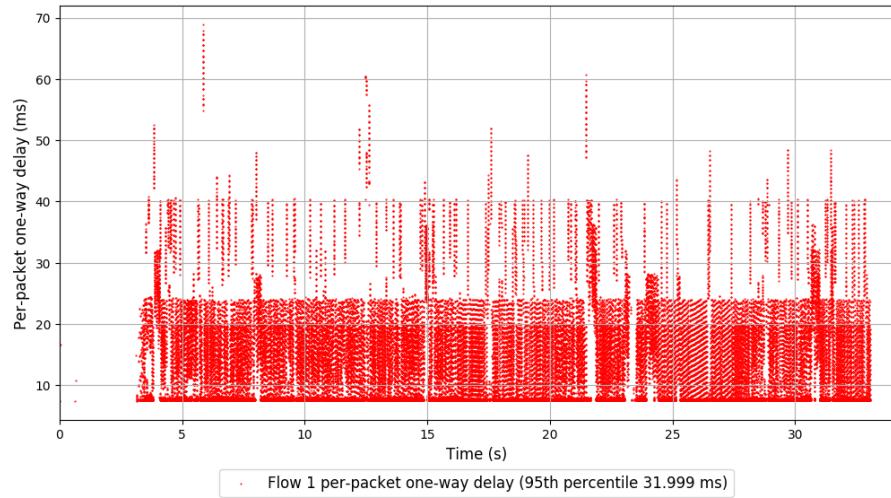
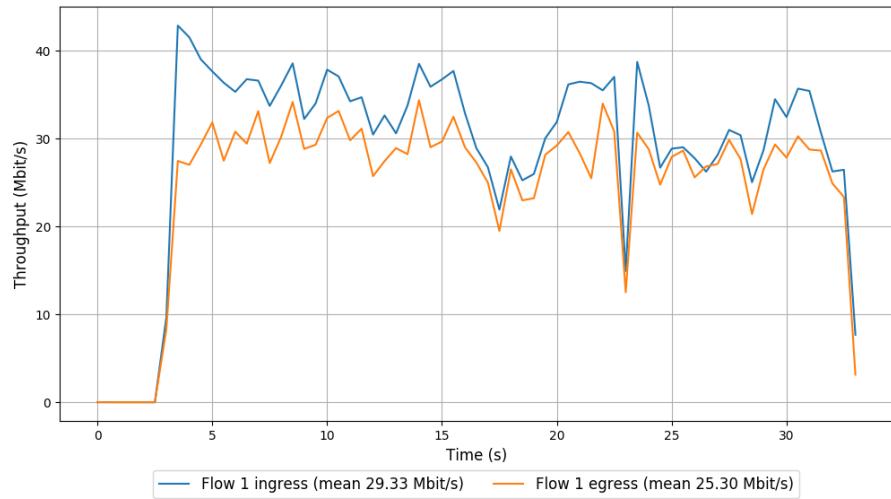


Run 5: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 22:53:21 +0000
End at: Tue, 13 Jun 2017 22:53:52 +0000
Local clock offset: 7.013 ms
Remote clock offset: -0.599 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:37:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.30 Mbit/s
95th percentile per-packet one-way delay: 31.999 ms
Loss rate: 13.93%
-- Flow 1:
Average throughput: 25.30 Mbit/s
95th percentile per-packet one-way delay: 31.999 ms
Loss rate: 13.93%
```

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

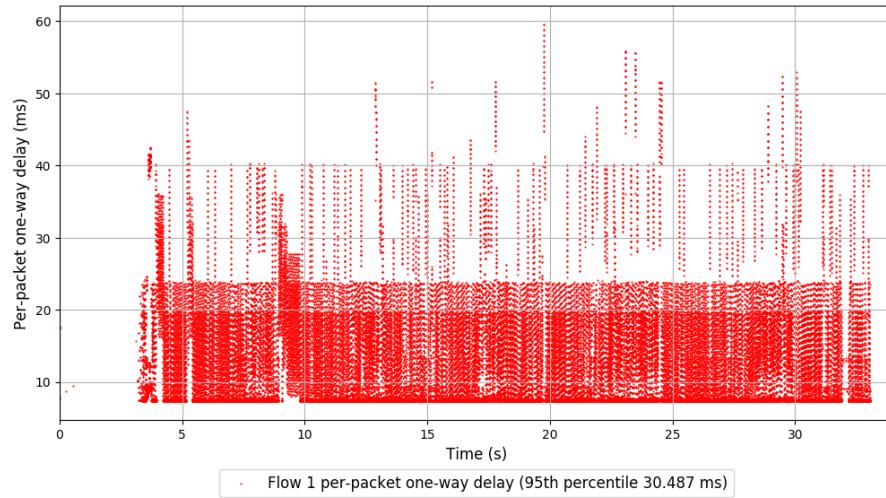
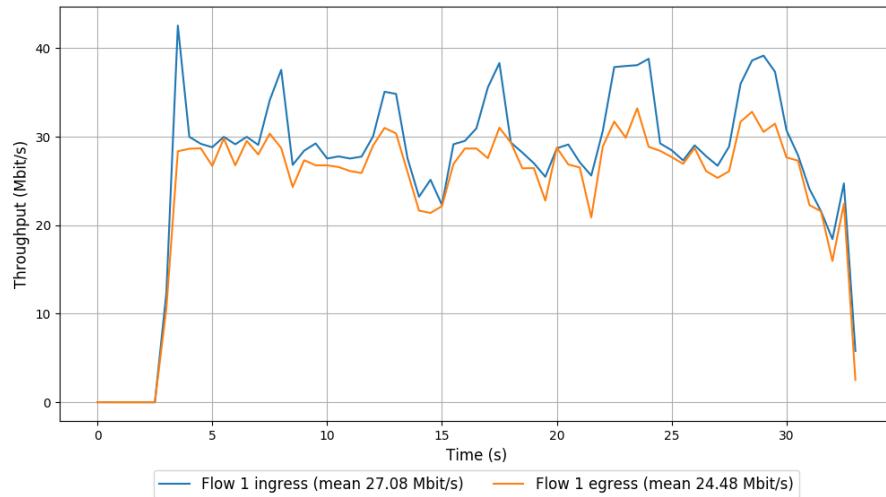


Run 6: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 23:11:47 +0000
End at: Tue, 13 Jun 2017 23:12:17 +0000
Local clock offset: 4.688 ms
Remote clock offset: 0.185 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:37:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 30.487 ms
Loss rate: 9.74%
-- Flow 1:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 30.487 ms
Loss rate: 9.74%
```

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

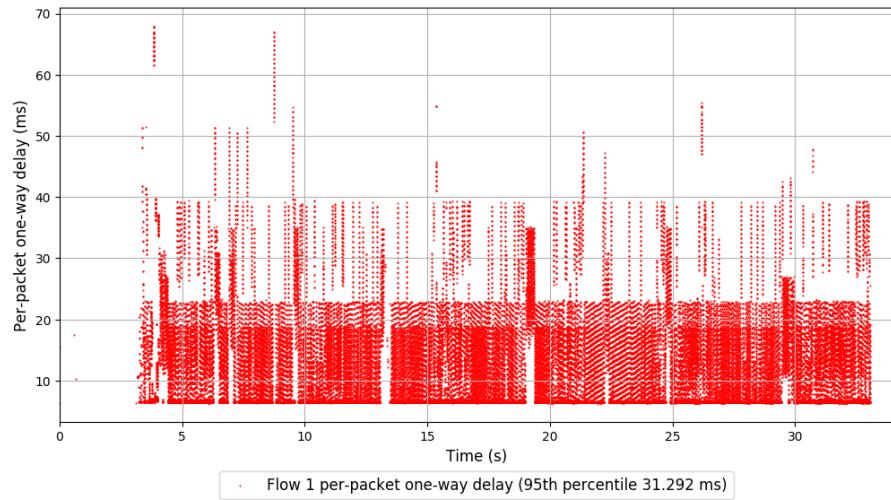
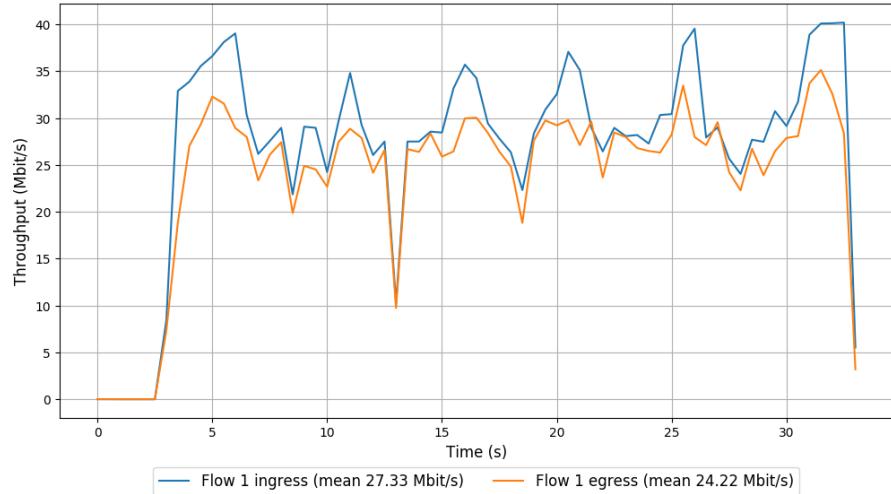


Run 7: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 23:30:16 +0000
End at: Tue, 13 Jun 2017 23:30:46 +0000
Local clock offset: 6.688 ms
Remote clock offset: 0.598 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:37:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 31.292 ms
Loss rate: 11.48%
-- Flow 1:
Average throughput: 24.22 Mbit/s
95th percentile per-packet one-way delay: 31.292 ms
Loss rate: 11.48%
```

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

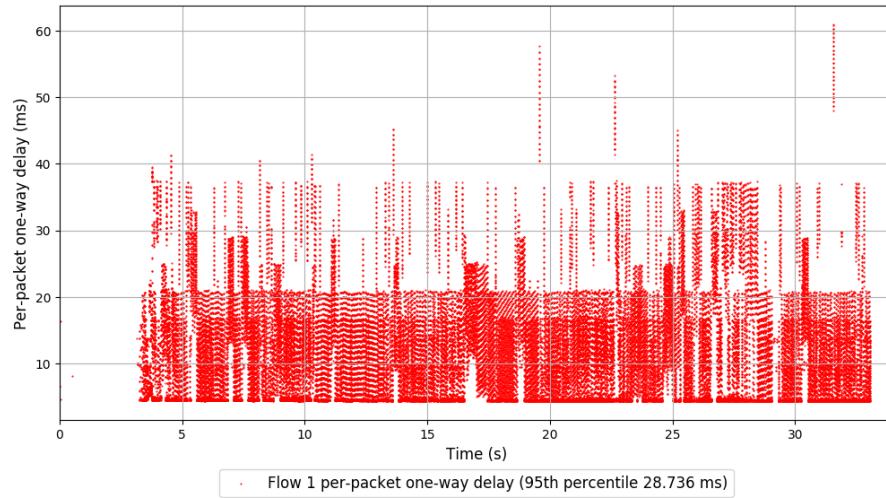
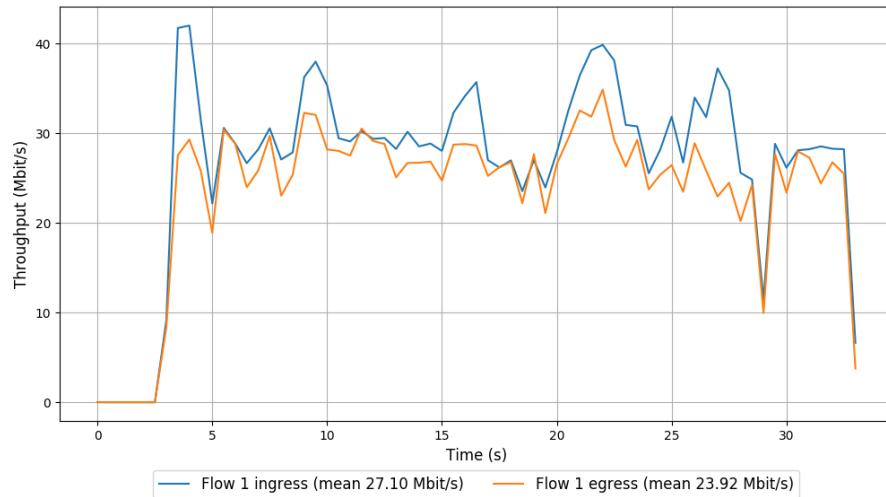


Run 8: Statistics of TCP BBR

```
Start at: Tue, 13 Jun 2017 23:48:40 +0000
End at: Tue, 13 Jun 2017 23:49:10 +0000
Local clock offset: 5.605 ms
Remote clock offset: -0.611 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:38:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 28.736 ms
Loss rate: 11.89%
-- Flow 1:
Average throughput: 23.92 Mbit/s
95th percentile per-packet one-way delay: 28.736 ms
Loss rate: 11.89%
```

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

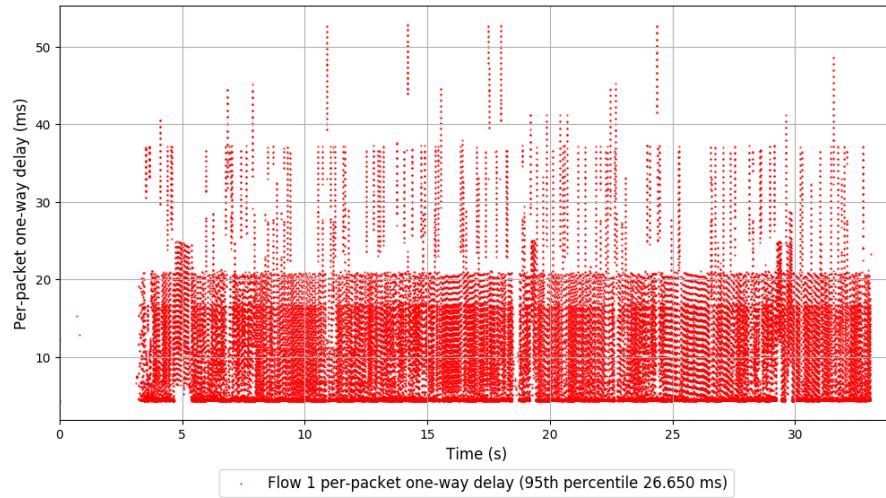
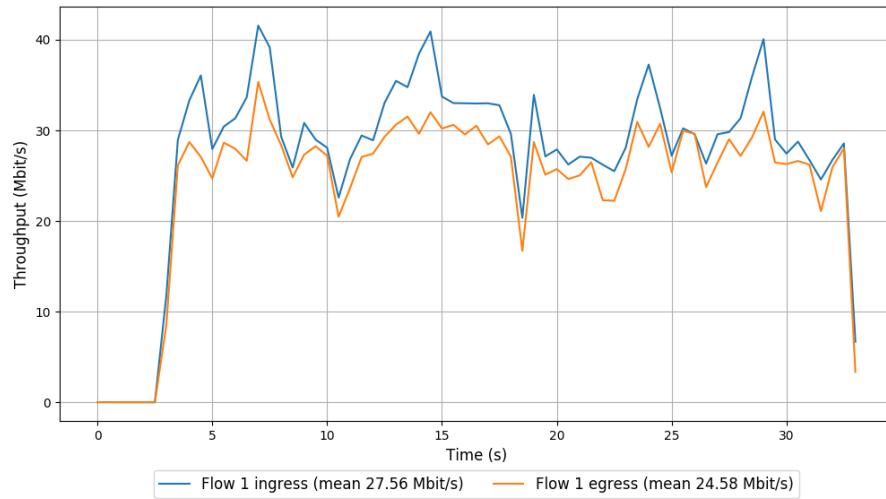


Run 9: Statistics of TCP BBR

```
Start at: Wed, 14 Jun 2017 00:07:00 +0000
End at: Wed, 14 Jun 2017 00:07:30 +0000
Local clock offset: 7.717 ms
Remote clock offset: -0.244 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:38:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 26.650 ms
Loss rate: 10.92%
-- Flow 1:
Average throughput: 24.58 Mbit/s
95th percentile per-packet one-way delay: 26.650 ms
Loss rate: 10.92%
```

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

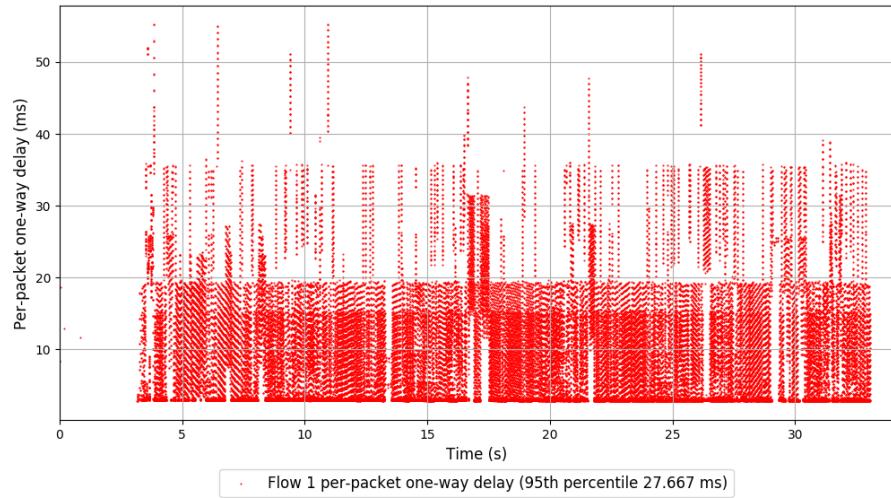
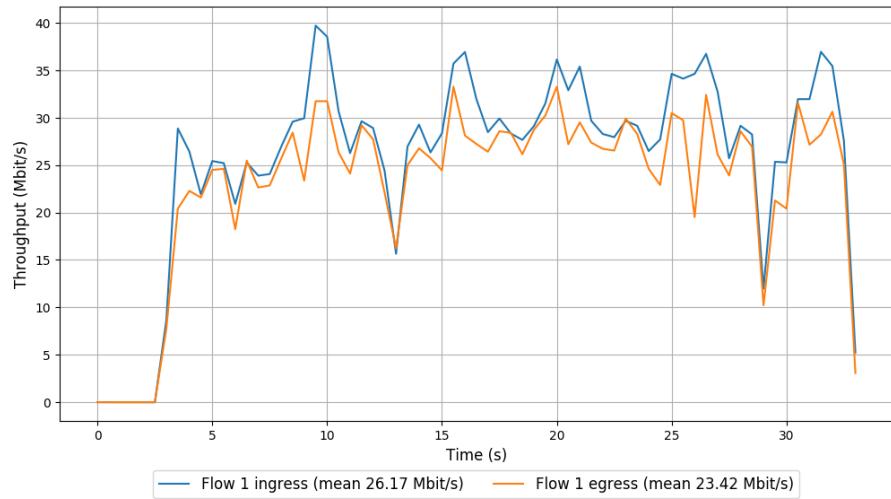


Run 10: Statistics of TCP BBR

```
Start at: Wed, 14 Jun 2017 00:25:36 +0000
End at: Wed, 14 Jun 2017 00:26:07 +0000
Local clock offset: -0.828 ms
Remote clock offset: 0.102 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:38:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 27.667 ms
Loss rate: 10.66%
-- Flow 1:
Average throughput: 23.42 Mbit/s
95th percentile per-packet one-way delay: 27.667 ms
Loss rate: 10.66%
```

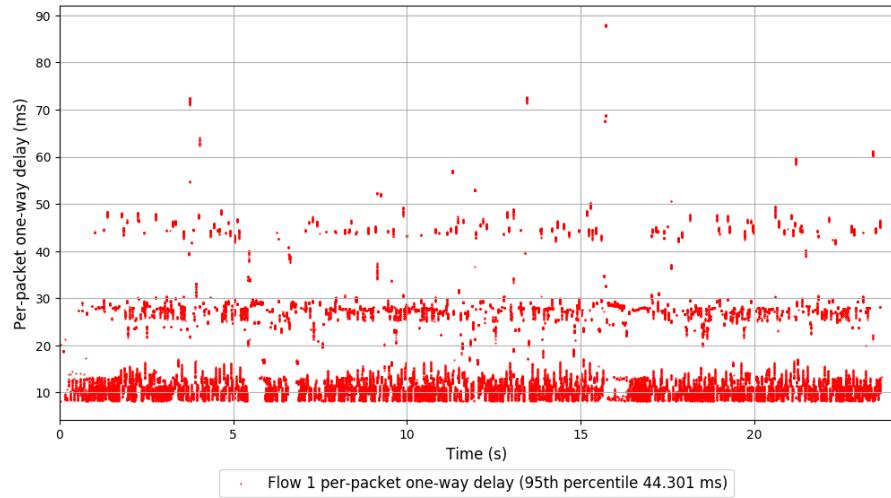
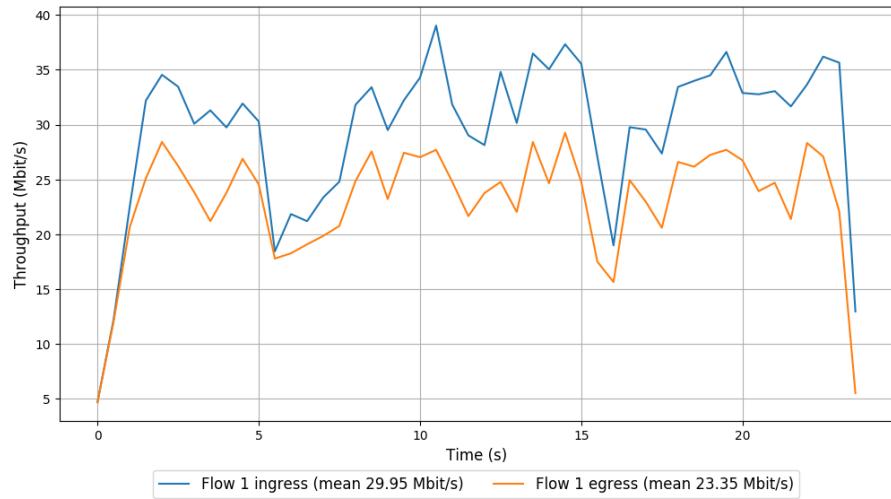
## Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 21:32:13 +0000  
End at: Tue, 13 Jun 2017 21:32:43 +0000  
Local clock offset: 2.252 ms  
Remote clock offset: 0.969 ms

Run 1: Report of CalibratedKoho — Data Link

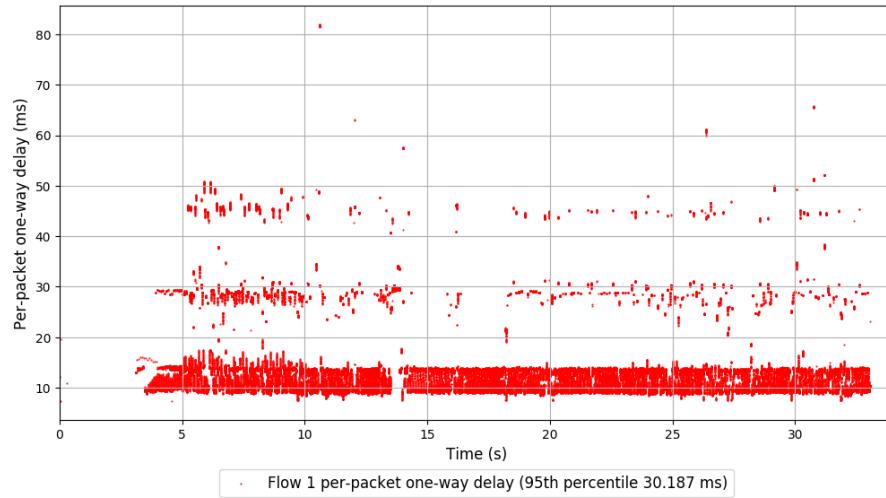
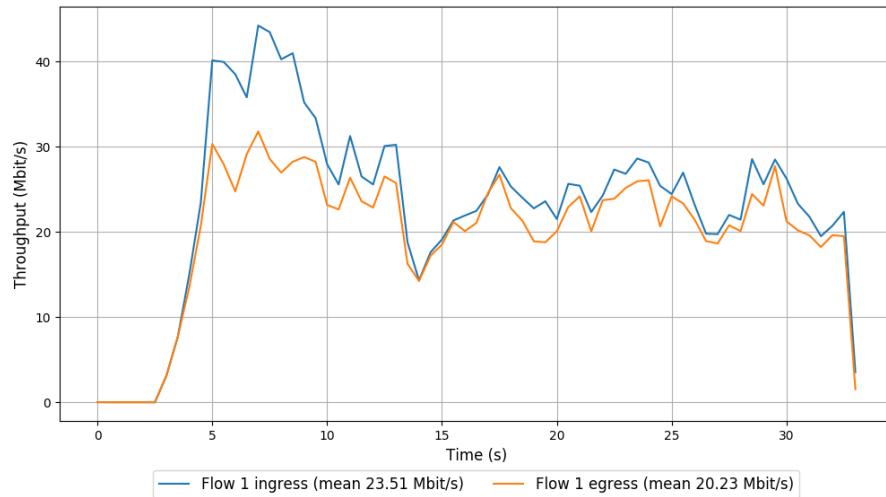


```
Run 2: Statistics of CalibratedKoho
```

```
Start at: Tue, 13 Jun 2017 21:50:53 +0000
End at: Tue, 13 Jun 2017 21:51:23 +0000
Local clock offset: 1.438 ms
Remote clock offset: -0.685 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:38:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 30.187 ms
Loss rate: 13.98%
-- Flow 1:
Average throughput: 20.23 Mbit/s
95th percentile per-packet one-way delay: 30.187 ms
Loss rate: 13.98%
```

## Run 2: Report of CalibratedKoho — Data Link

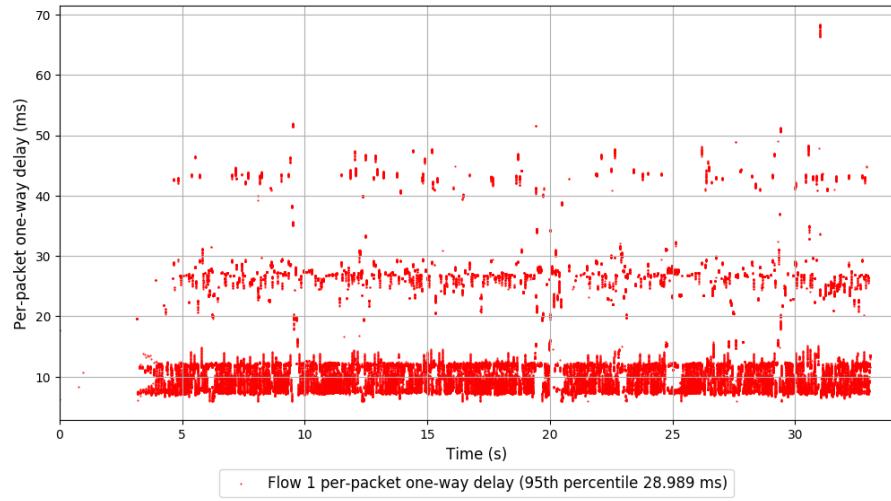
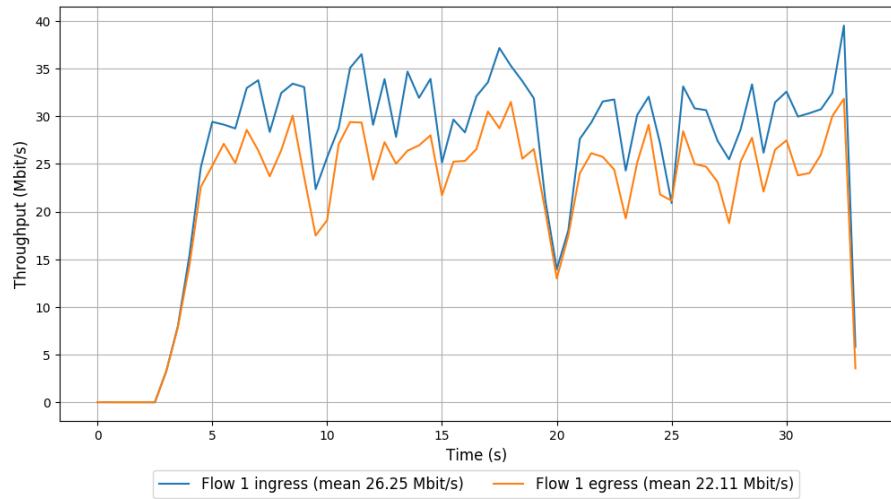


```
Run 3: Statistics of CalibratedKoho
```

```
Start at: Tue, 13 Jun 2017 22:09:20 +0000
End at: Tue, 13 Jun 2017 22:09:50 +0000
Local clock offset: 1.513 ms
Remote clock offset: 0.28 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:39:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 28.989 ms
Loss rate: 15.85%
-- Flow 1:
Average throughput: 22.11 Mbit/s
95th percentile per-packet one-way delay: 28.989 ms
Loss rate: 15.85%
```

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

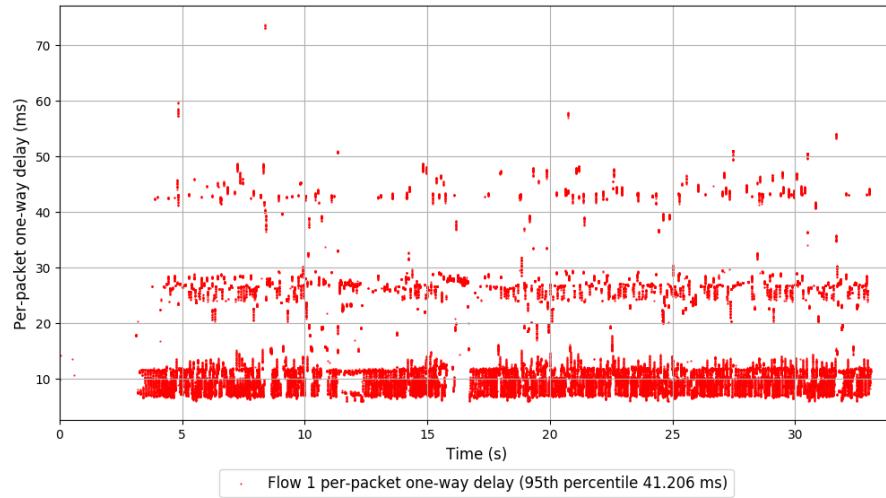
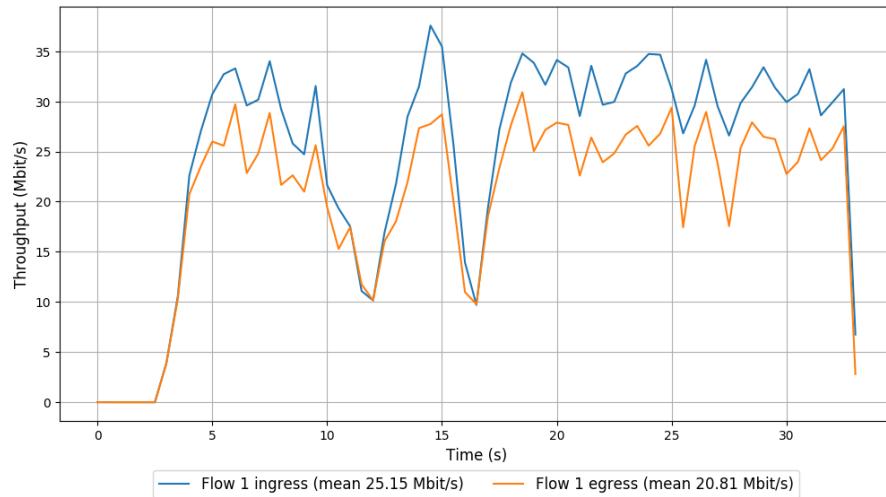


Run 4: Statistics of CalibratedKoho

```
Start at: Tue, 13 Jun 2017 22:27:59 +0000
End at: Tue, 13 Jun 2017 22:28:29 +0000
Local clock offset: 2.698 ms
Remote clock offset: -0.215 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:39:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 41.206 ms
Loss rate: 17.28%
-- Flow 1:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 41.206 ms
Loss rate: 17.28%
```

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

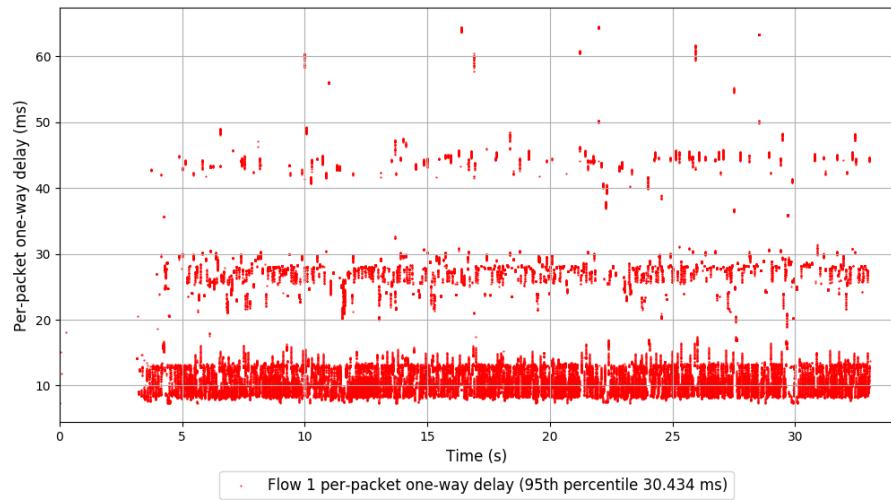
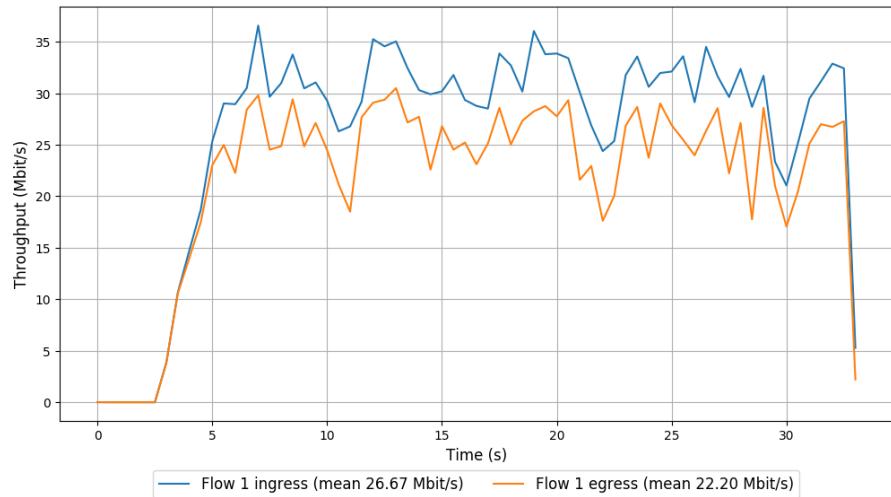


```
Run 5: Statistics of CalibratedKoho
```

```
Start at: Tue, 13 Jun 2017 22:46:08 +0000
End at: Tue, 13 Jun 2017 22:46:38 +0000
Local clock offset: 0.472 ms
Remote clock offset: 0.437 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:39:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.20 Mbit/s
95th percentile per-packet one-way delay: 30.434 ms
Loss rate: 16.83%
-- Flow 1:
Average throughput: 22.20 Mbit/s
95th percentile per-packet one-way delay: 30.434 ms
Loss rate: 16.83%
```

Run 5: Report of CalibratedKoho — Data Link

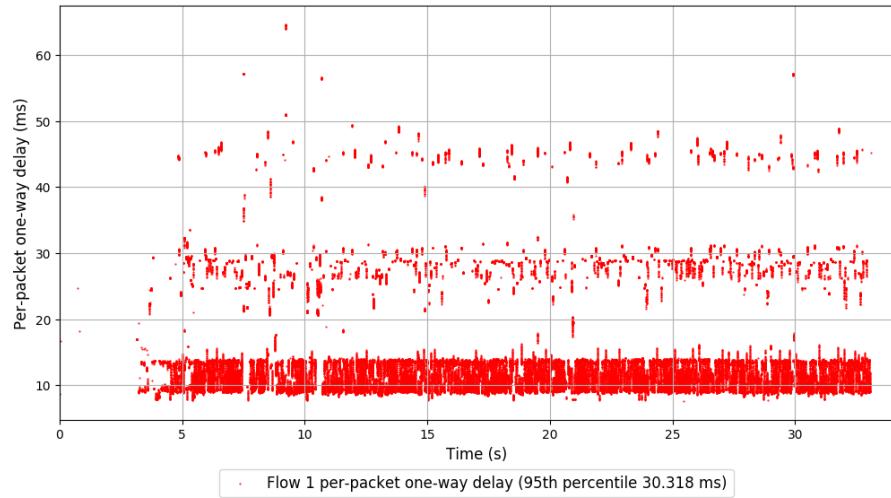
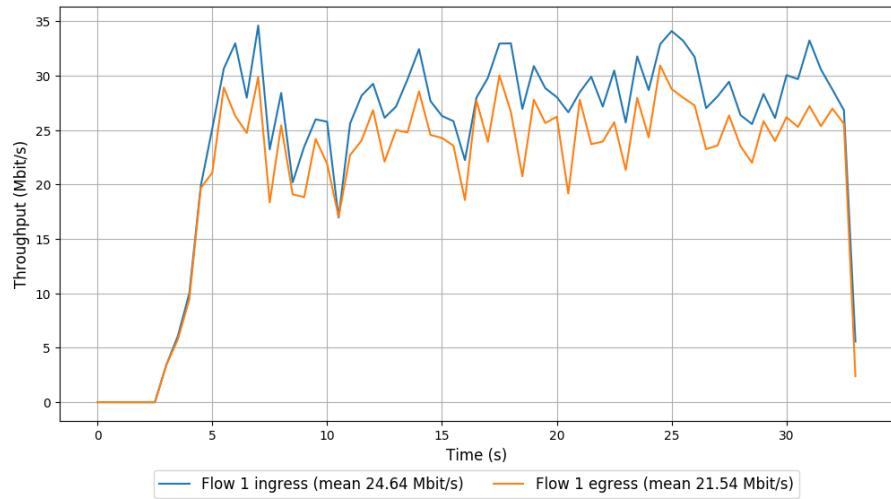


```
Run 6: Statistics of CalibratedKoho
```

```
Start at: Tue, 13 Jun 2017 23:04:35 +0000
End at: Tue, 13 Jun 2017 23:05:05 +0000
Local clock offset: 3.689 ms
Remote clock offset: -0.273 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:39:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 30.318 ms
Loss rate: 12.62%
-- Flow 1:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 30.318 ms
Loss rate: 12.62%
```

Run 6: Report of CalibratedKoho — Data Link



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

```
Start at: Tue, 13 Jun 2017 23:23:09 +0000
```

```
End at: Tue, 13 Jun 2017 23:23:39 +0000
```

```
Local clock offset: 4.433 ms
```

```
Remote clock offset: -0.129 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 02:39:40 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 6.50 Mbit/s
```

```
95th percentile per-packet one-way delay: 15.987 ms
```

```
Loss rate: 1.81%
```

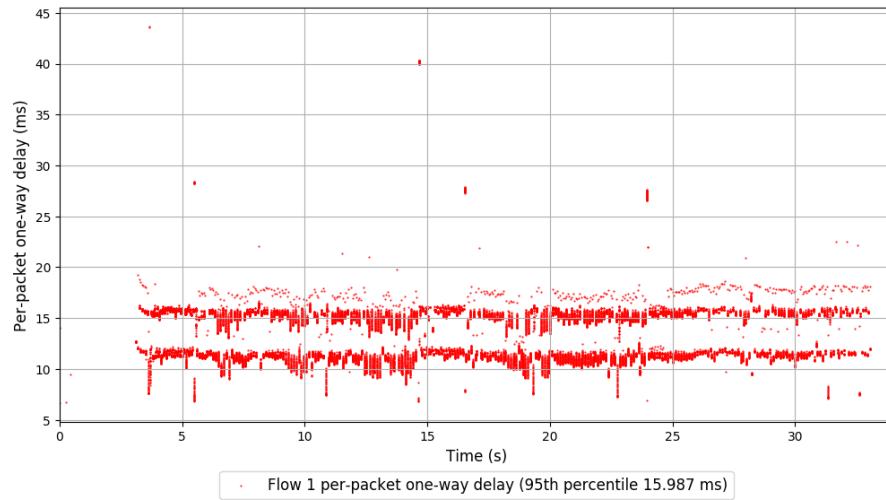
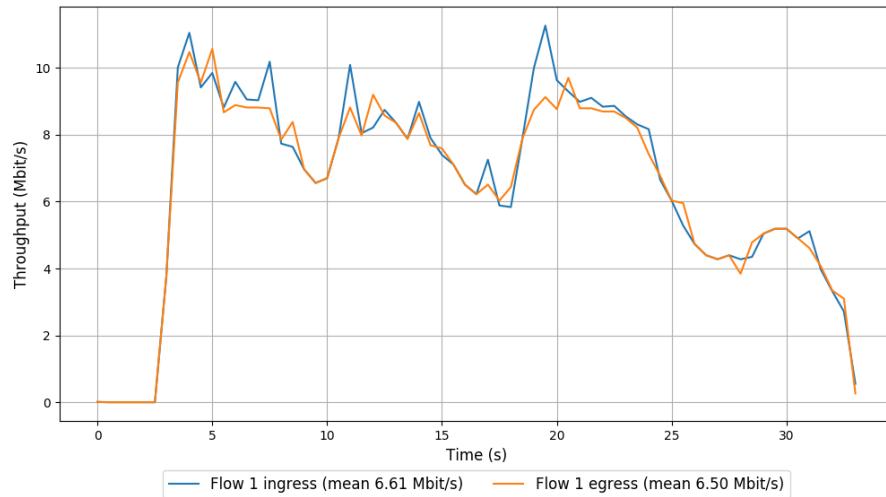
```
-- Flow 1:
```

```
Average throughput: 6.50 Mbit/s
```

```
95th percentile per-packet one-way delay: 15.987 ms
```

```
Loss rate: 1.81%
```

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

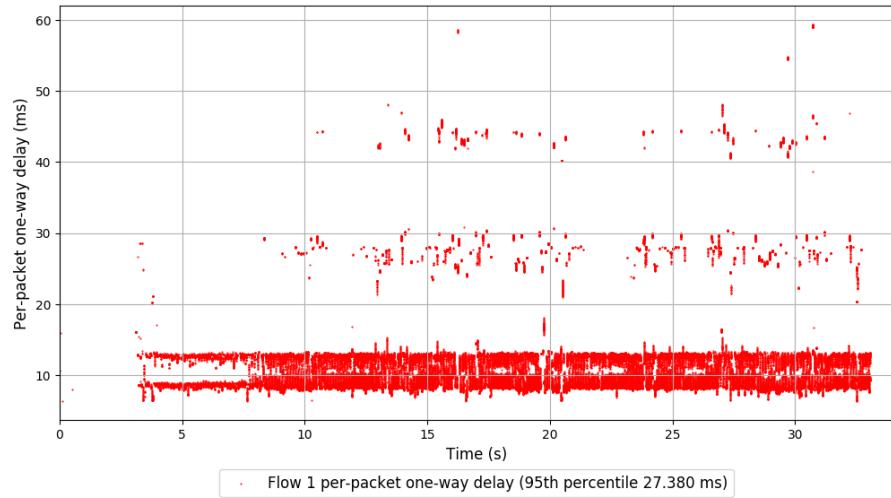
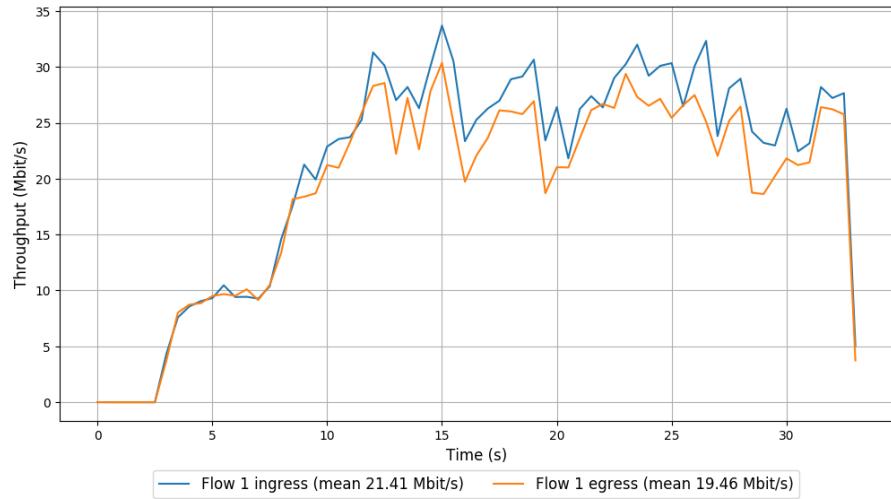


Run 8: Statistics of CalibratedKoho

```
Start at: Tue, 13 Jun 2017 23:41:27 +0000
End at: Tue, 13 Jun 2017 23:41:57 +0000
Local clock offset: 4.061 ms
Remote clock offset: 0.27 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:39:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.46 Mbit/s
95th percentile per-packet one-way delay: 27.380 ms
Loss rate: 9.20%
-- Flow 1:
Average throughput: 19.46 Mbit/s
95th percentile per-packet one-way delay: 27.380 ms
Loss rate: 9.20%
```

## Run 8: Report of CalibratedKoho — Data Link



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

```
Start at: Tue, 13 Jun 2017 23:59:53 +0000
```

```
End at: Wed, 14 Jun 2017 00:00:23 +0000
```

```
Local clock offset: 8.429 ms
```

```
Remote clock offset: -0.748 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 02:39:52 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 1.18 Mbit/s
```

```
95th percentile per-packet one-way delay: 13.128 ms
```

```
Loss rate: 0.61%
```

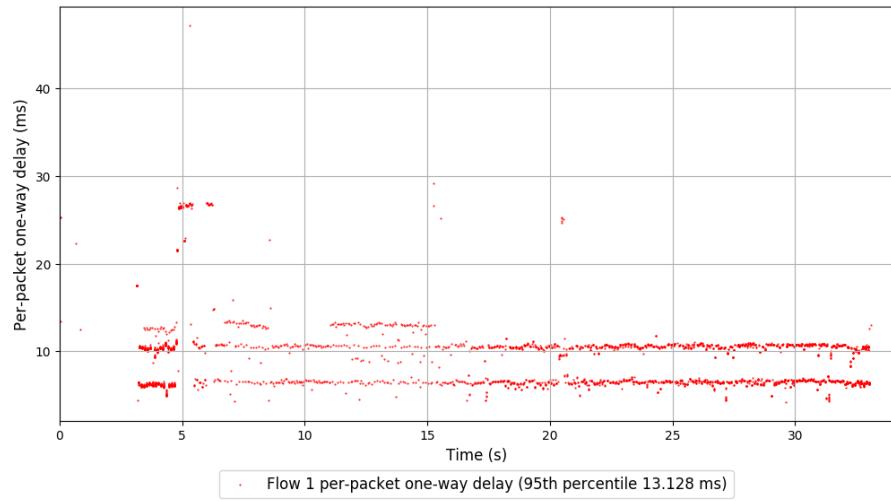
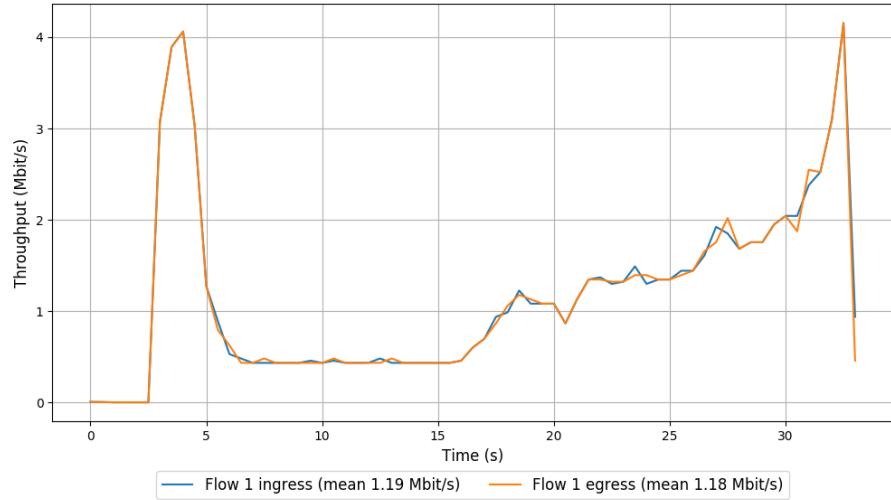
```
-- Flow 1:
```

```
Average throughput: 1.18 Mbit/s
```

```
95th percentile per-packet one-way delay: 13.128 ms
```

```
Loss rate: 0.61%
```

## Run 9: Report of CalibratedKoho — Data Link



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

```
Start at: Wed, 14 Jun 2017 00:18:24 +0000
```

```
End at: Wed, 14 Jun 2017 00:18:54 +0000
```

```
Local clock offset: 9.513 ms
```

```
Remote clock offset: 1.373 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 02:40:10 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 16.32 Mbit/s
```

```
95th percentile per-packet one-way delay: 26.521 ms
```

```
Loss rate: 11.85%
```

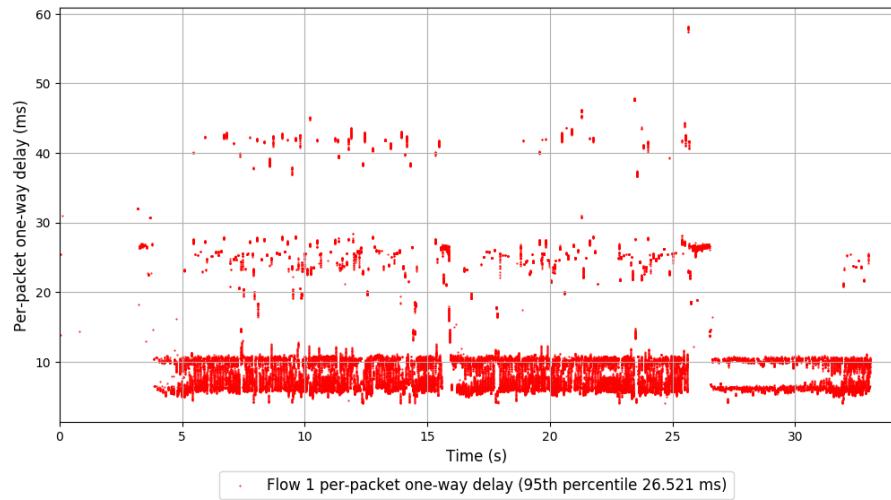
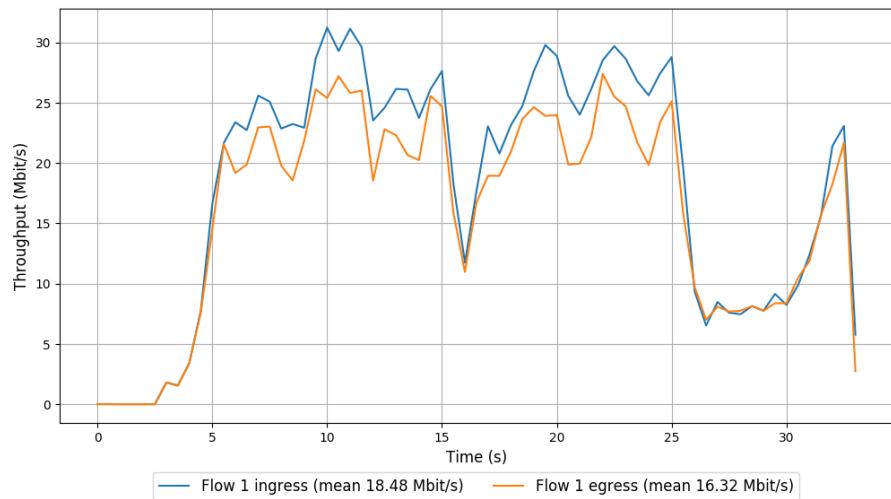
```
-- Flow 1:
```

```
Average throughput: 16.32 Mbit/s
```

```
95th percentile per-packet one-way delay: 26.521 ms
```

```
Loss rate: 11.85%
```

## Run 10: Report of CalibratedKoho — Data Link

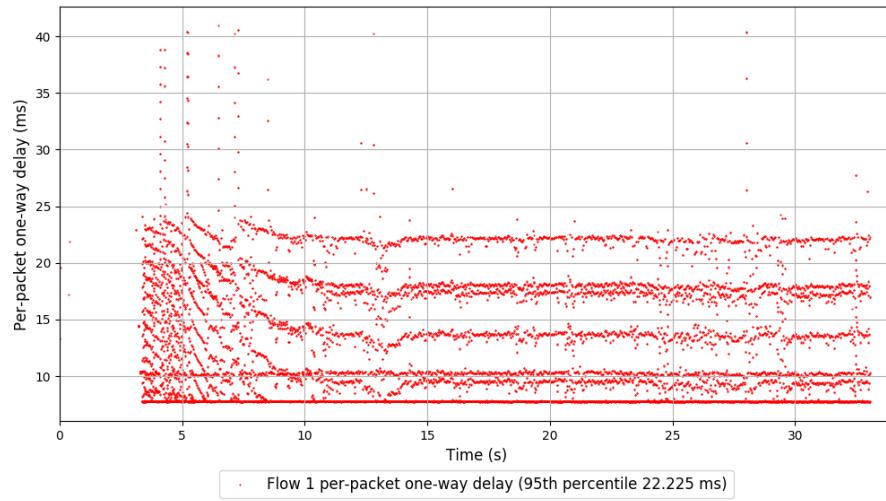
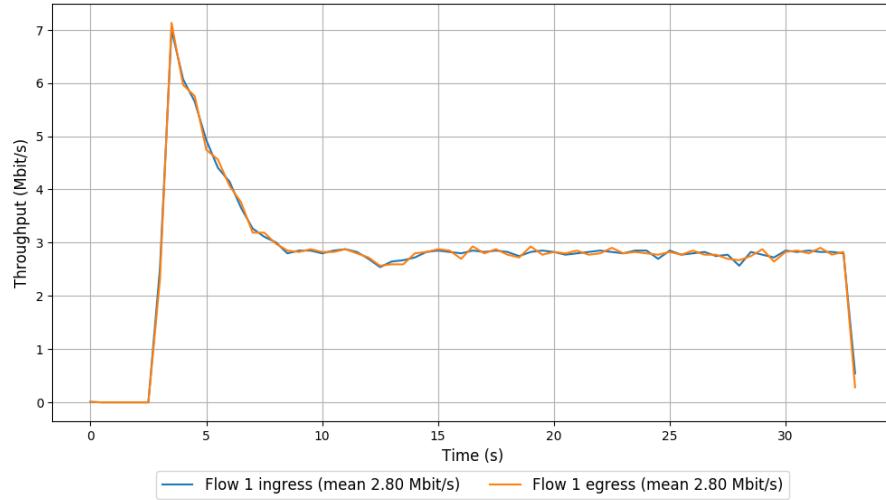


Run 1: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 21:45:58 +0000
End at: Tue, 13 Jun 2017 21:46:28 +0000
Local clock offset: -0.337 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:40:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 22.225 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 22.225 ms
Loss rate: 0.18%
```

## Run 1: Report of Copa — Data Link

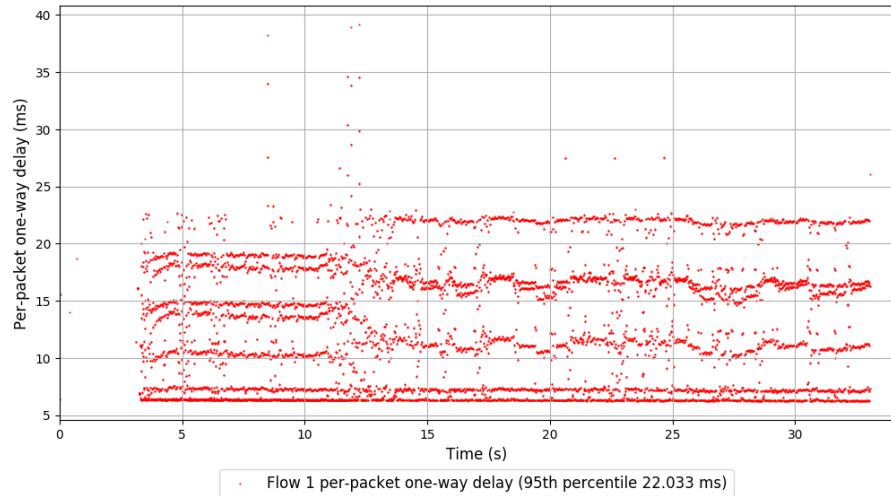
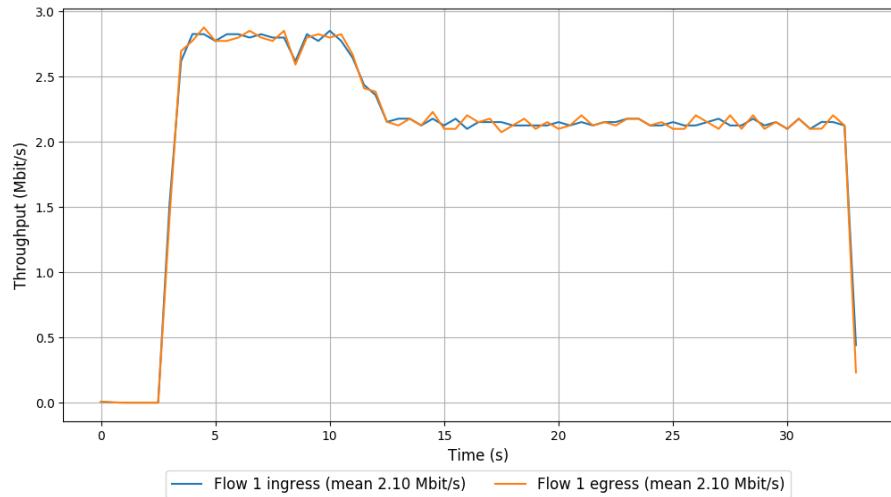


Run 2: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 22:04:37 +0000
End at: Tue, 13 Jun 2017 22:05:07 +0000
Local clock offset: 3.785 ms
Remote clock offset: 1.007 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:40:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 22.033 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 22.033 ms
Loss rate: 0.19%
```

## Run 2: Report of Copa — Data Link

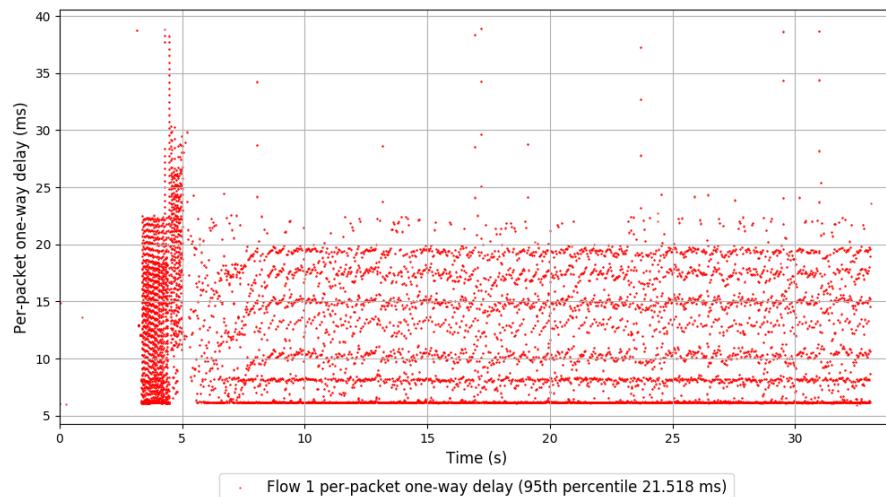
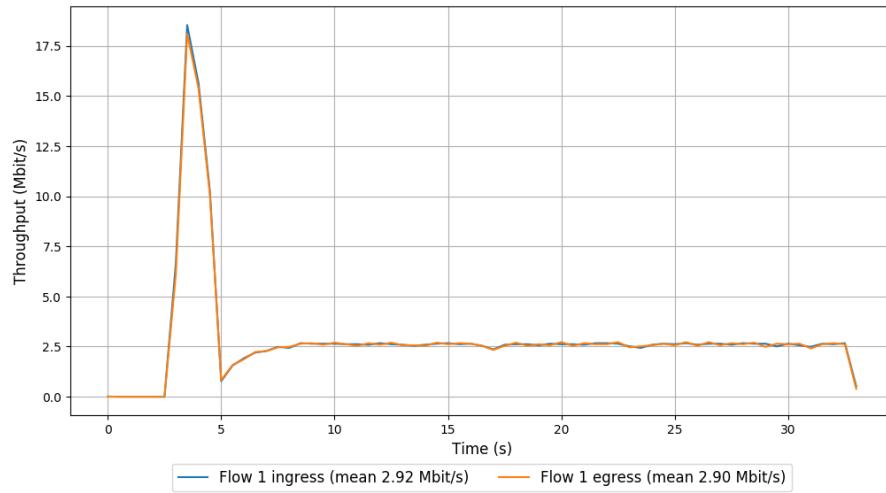


Run 3: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 22:23:12 +0000
End at: Tue, 13 Jun 2017 22:23:42 +0000
Local clock offset: 4.126 ms
Remote clock offset: 0.795 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:40:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 21.518 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 21.518 ms
Loss rate: 0.80%
```

### Run 3: Report of Copa — Data Link

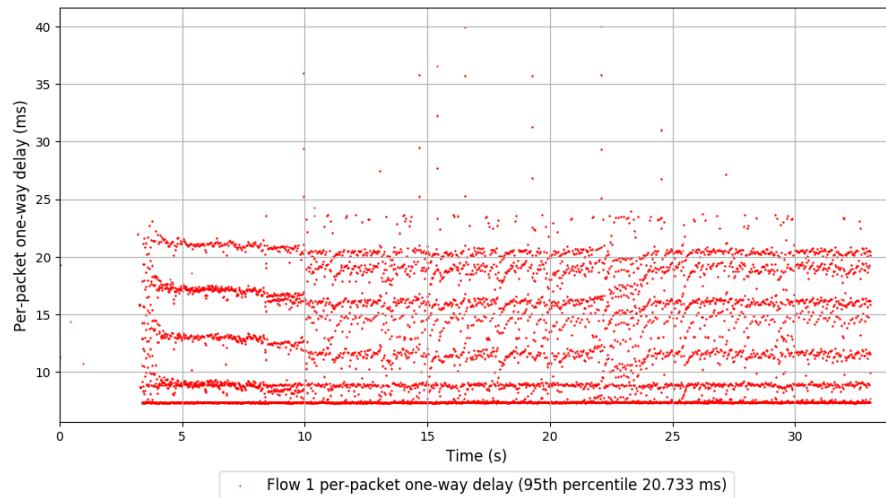
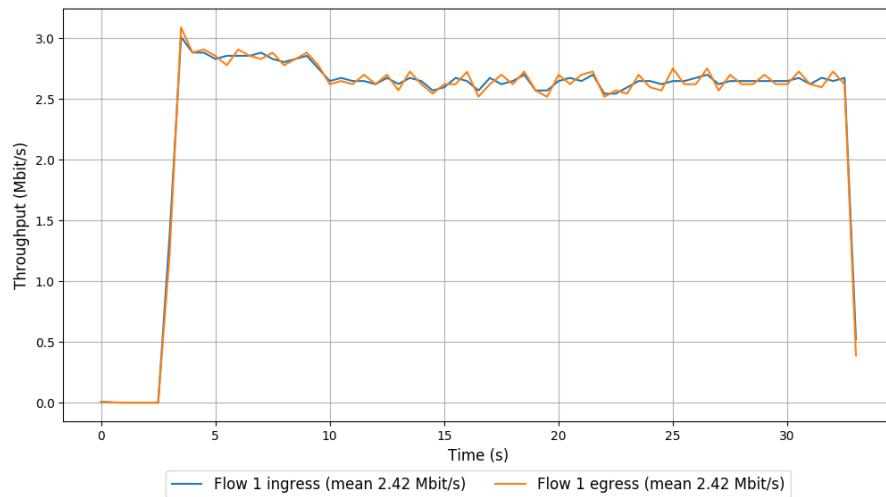


Run 4: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 22:41:28 +0000
End at: Tue, 13 Jun 2017 22:41:58 +0000
Local clock offset: 2.975 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:40:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 20.733 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 20.733 ms
Loss rate: 0.15%
```

## Run 4: Report of Copa — Data Link

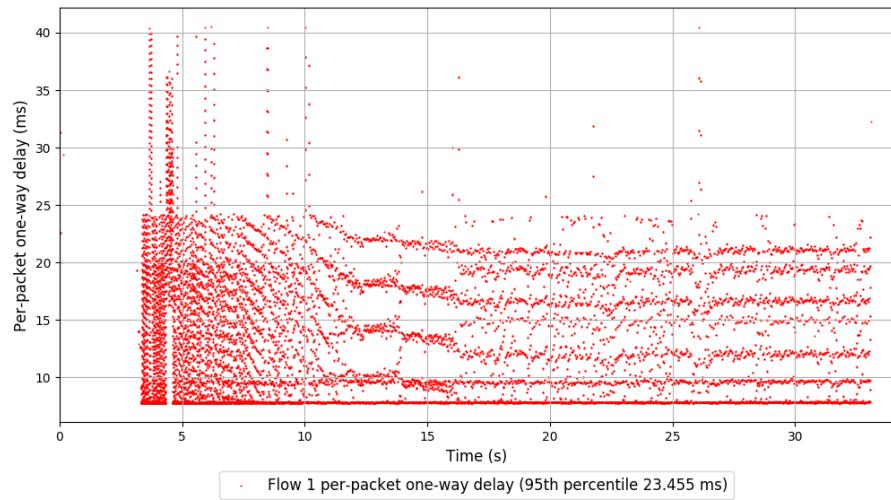
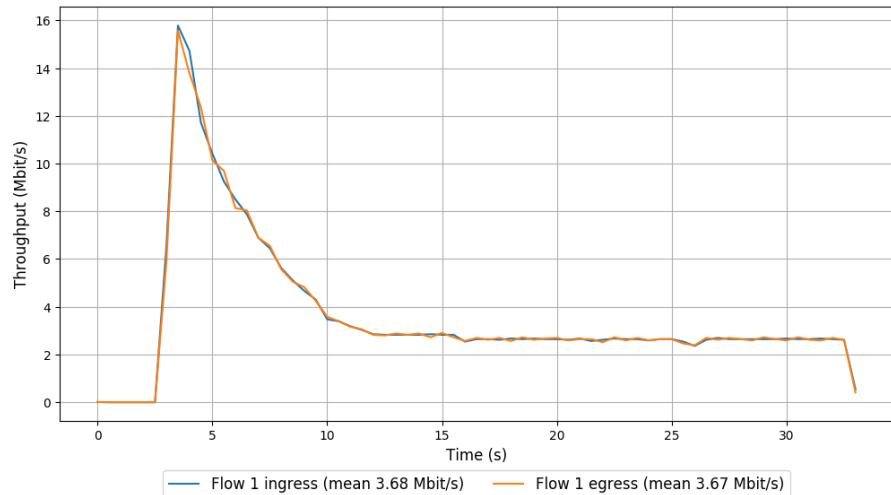


Run 5: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 22:59:47 +0000
End at: Tue, 13 Jun 2017 23:00:17 +0000
Local clock offset: 5.951 ms
Remote clock offset: 0.275 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:40:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 23.455 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 23.455 ms
Loss rate: 0.47%
```

## Run 5: Report of Copa — Data Link

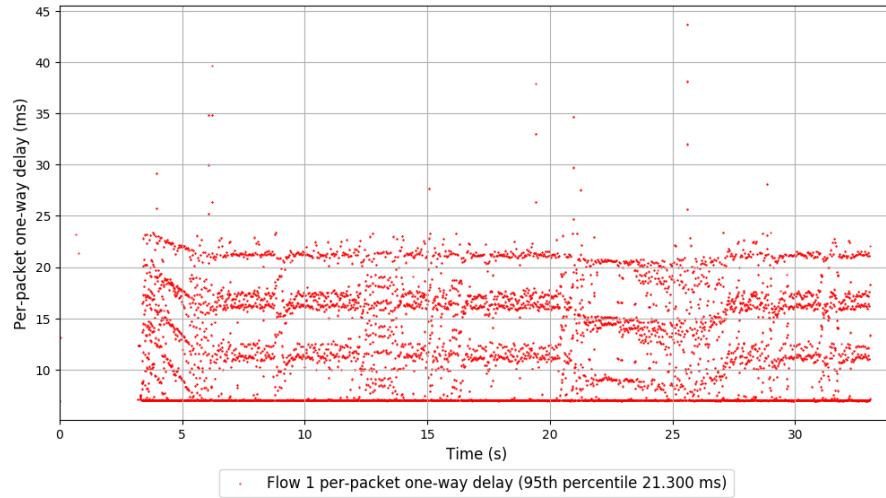
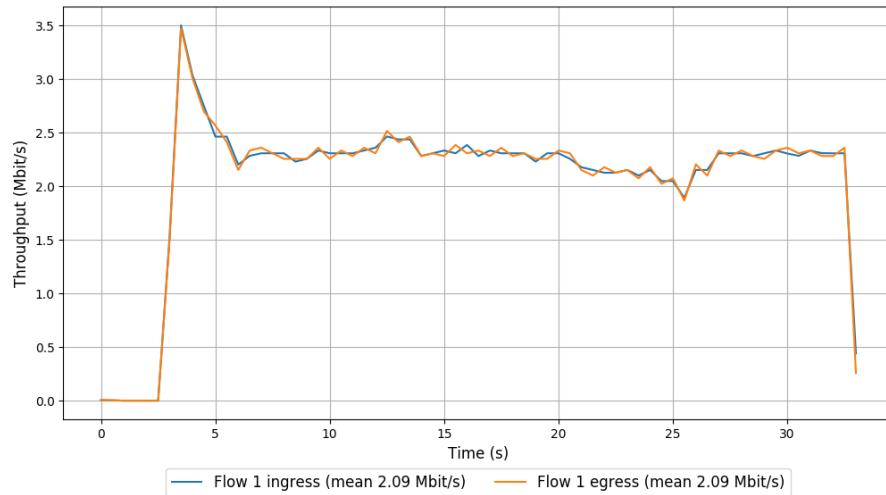


Run 6: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 23:18:24 +0000
End at: Tue, 13 Jun 2017 23:18:54 +0000
Local clock offset: 2.403 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:40:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 21.300 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 21.300 ms
Loss rate: 0.15%
```

## Run 6: Report of Copa — Data Link

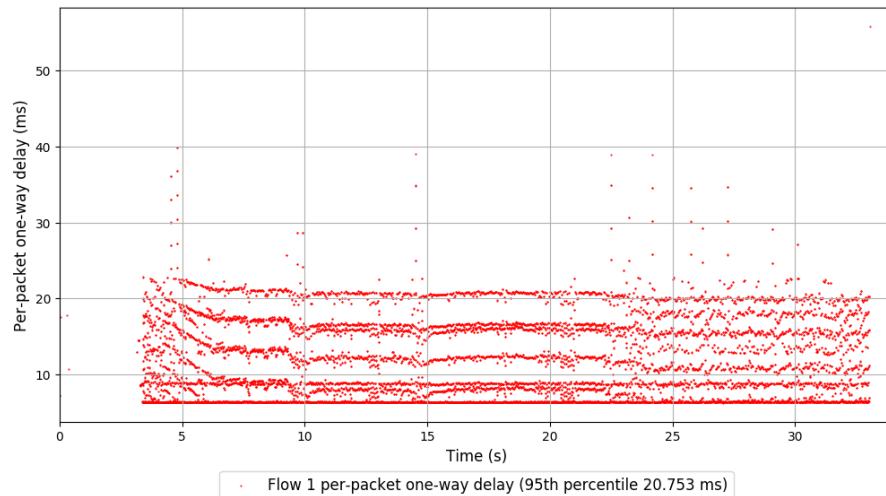
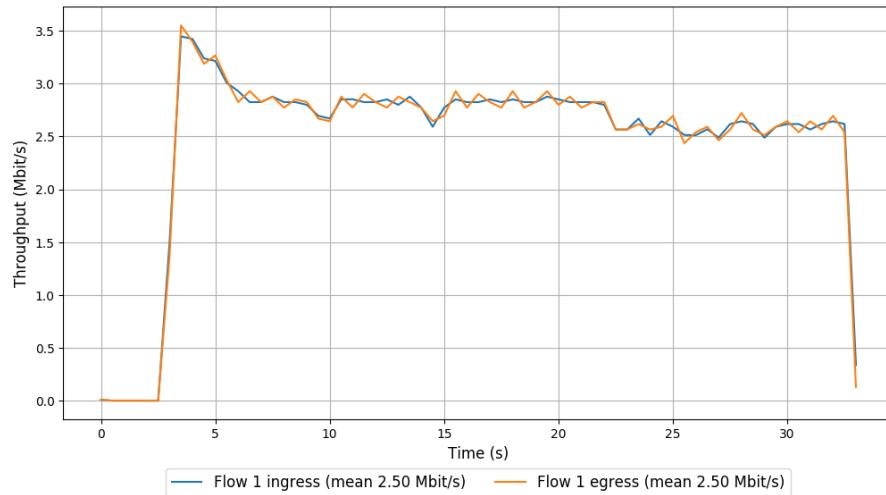


Run 7: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 23:36:41 +0000
End at: Tue, 13 Jun 2017 23:37:11 +0000
Local clock offset: 2.309 ms
Remote clock offset: 0.972 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:40:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 20.753 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 20.753 ms
Loss rate: 0.19%
```

## Run 7: Report of Copa — Data Link

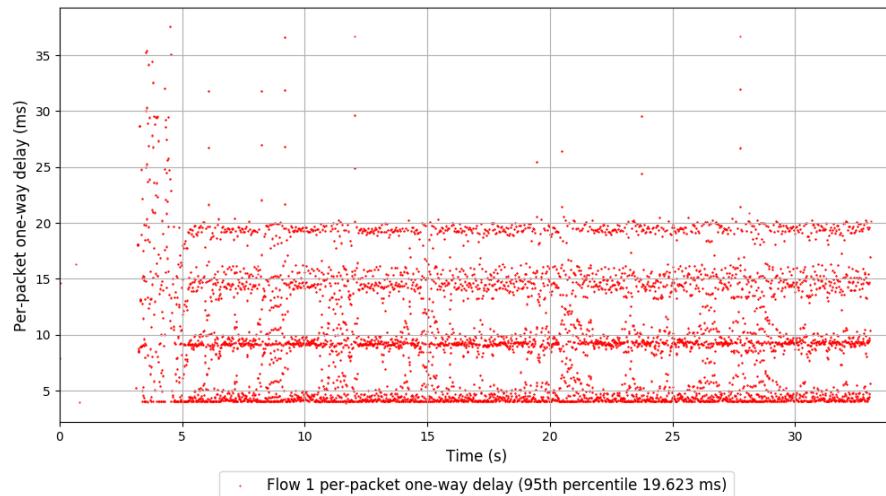
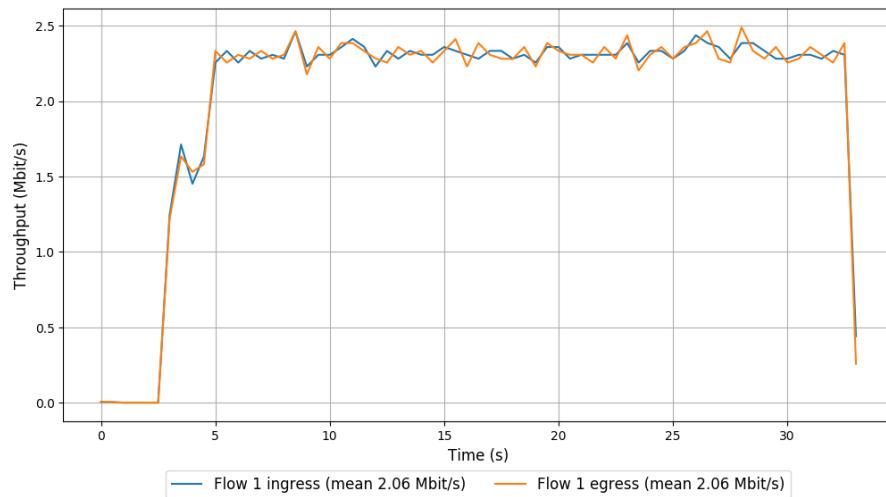


Run 8: Statistics of Copa

```
Start at: Tue, 13 Jun 2017 23:55:08 +0000
End at: Tue, 13 Jun 2017 23:55:38 +0000
Local clock offset: 4.66 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:40:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 19.623 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 19.623 ms
Loss rate: 0.14%
```

## Run 8: Report of Copa — Data Link

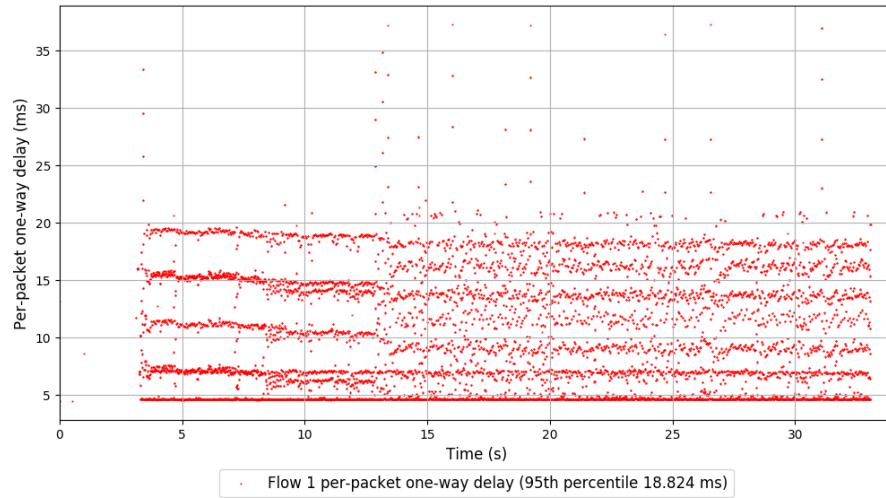
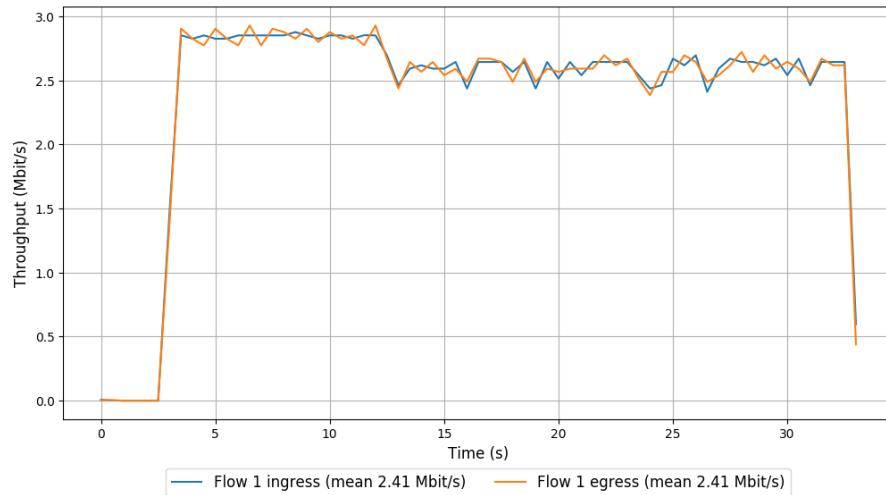


Run 9: Statistics of Copa

```
Start at: Wed, 14 Jun 2017 00:13:33 +0000
End at: Wed, 14 Jun 2017 00:14:04 +0000
Local clock offset: 5.405 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:40:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 18.824 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 18.824 ms
Loss rate: 0.15%
```

## Run 9: Report of Copa — Data Link

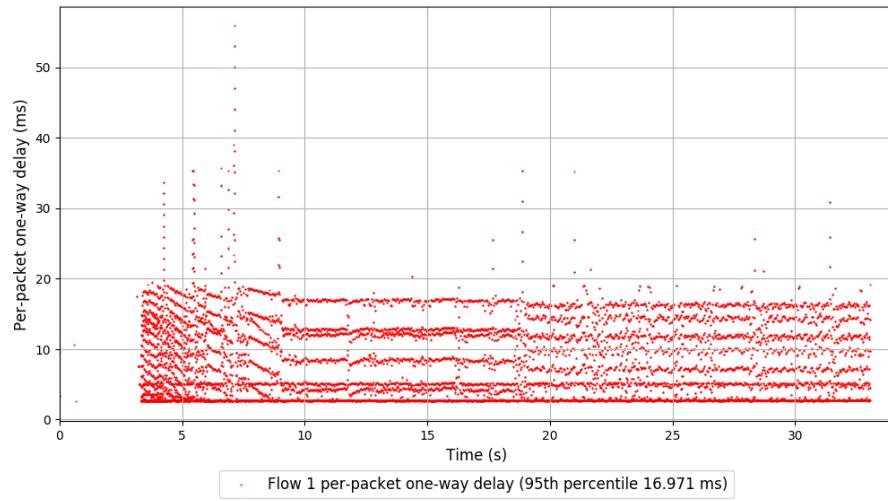
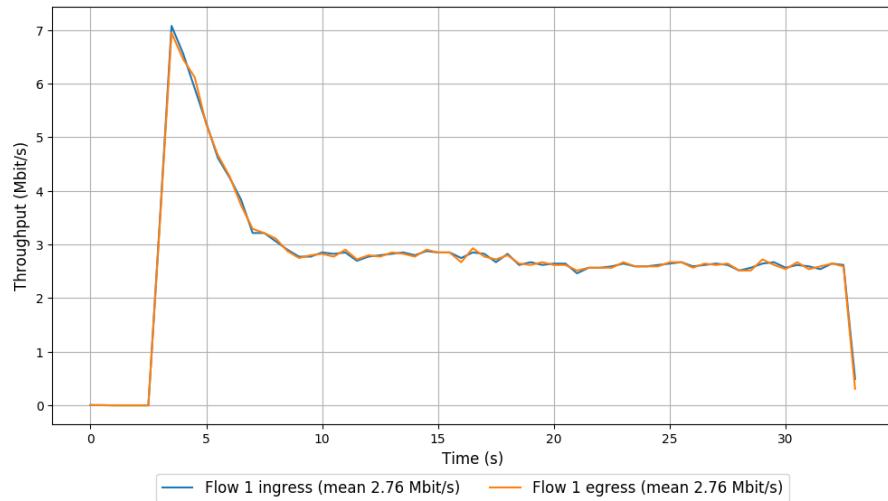


Run 10: Statistics of Copa

```
Start at: Wed, 14 Jun 2017 00:32:13 +0000
End at: Wed, 14 Jun 2017 00:32:44 +0000
Local clock offset: 7.651 ms
Remote clock offset: -0.778 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:40:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 16.971 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 2.76 Mbit/s
95th percentile per-packet one-way delay: 16.971 ms
Loss rate: 0.13%
```

## Run 10: Report of Copa — Data Link



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

```
Start at: Tue, 13 Jun 2017 21:34:41 +0000
```

```
End at: Tue, 13 Jun 2017 21:35:11 +0000
```

```
Local clock offset: 0.939 ms
```

```
Remote clock offset: 0.154 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 02:41:08 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 12.85 Mbit/s
```

```
95th percentile per-packet one-way delay: 14.290 ms
```

```
Loss rate: 0.40%
```

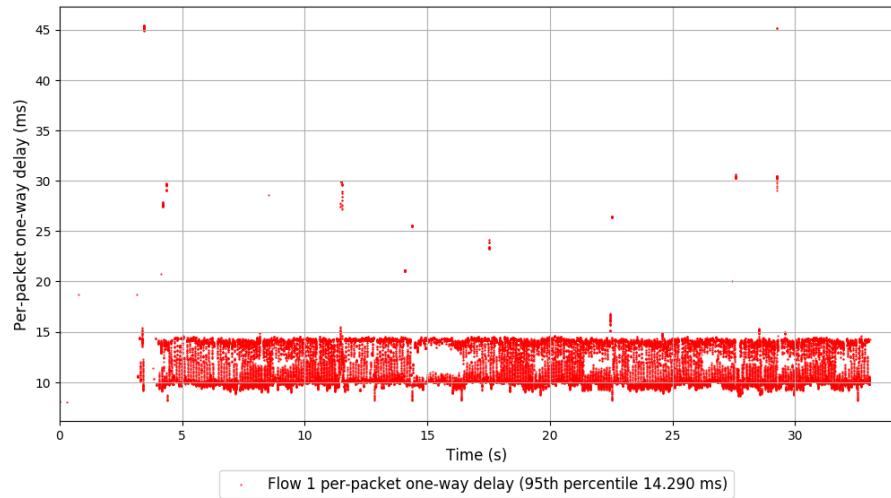
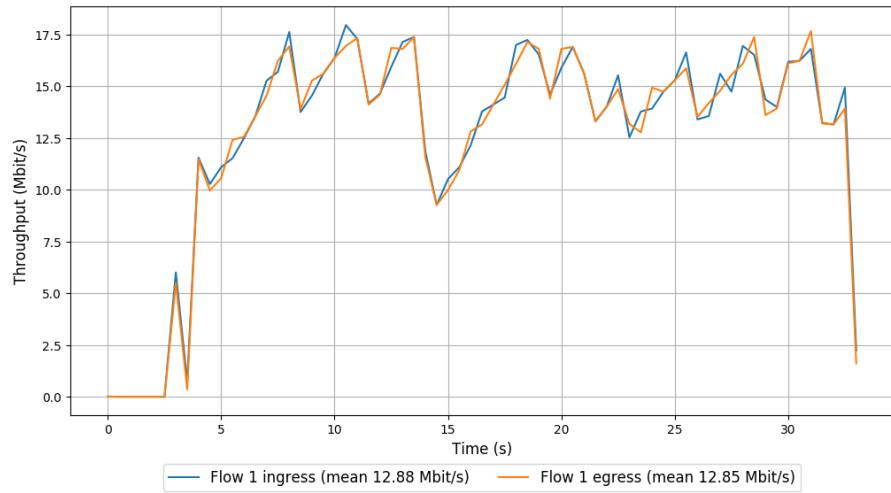
```
-- Flow 1:
```

```
Average throughput: 12.85 Mbit/s
```

```
95th percentile per-packet one-way delay: 14.290 ms
```

```
Loss rate: 0.40%
```

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

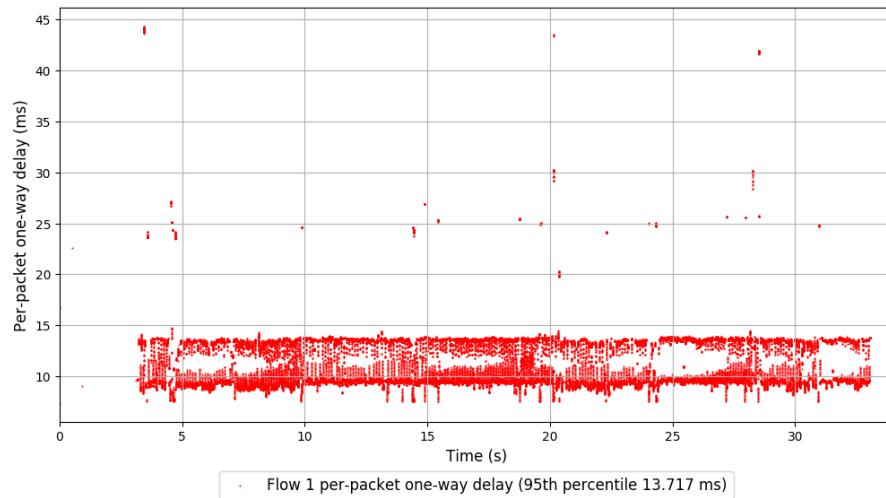
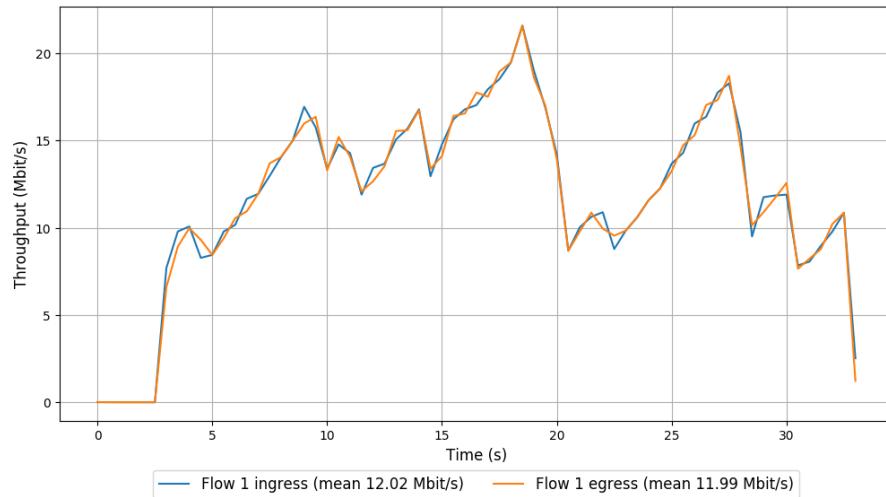


Run 2: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 21:53:22 +0000
End at: Tue, 13 Jun 2017 21:53:52 +0000
Local clock offset: 6.204 ms
Remote clock offset: 0.94 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:41:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 13.717 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 11.99 Mbit/s
95th percentile per-packet one-way delay: 13.717 ms
Loss rate: 0.45%
```

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

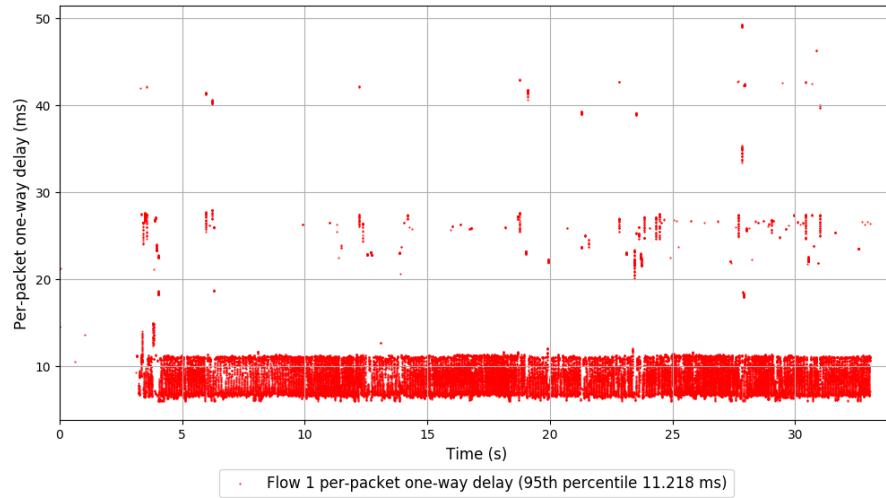
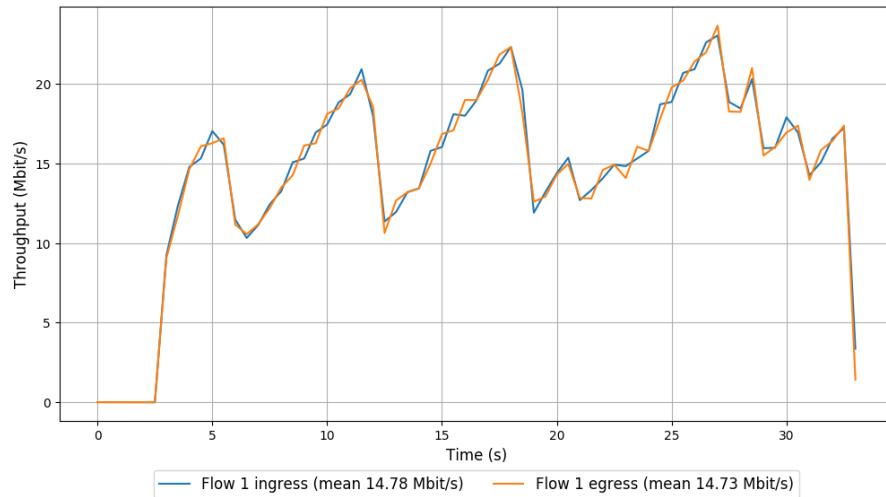


Run 3: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 22:11:53 +0000
End at: Tue, 13 Jun 2017 22:12:23 +0000
Local clock offset: 3.895 ms
Remote clock offset: -0.917 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:41:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 11.218 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 14.73 Mbit/s
95th percentile per-packet one-way delay: 11.218 ms
Loss rate: 0.46%
```

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

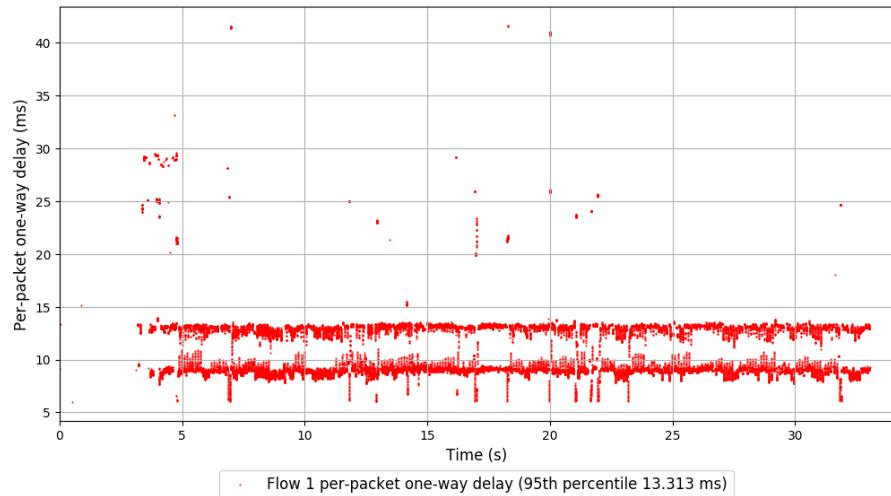
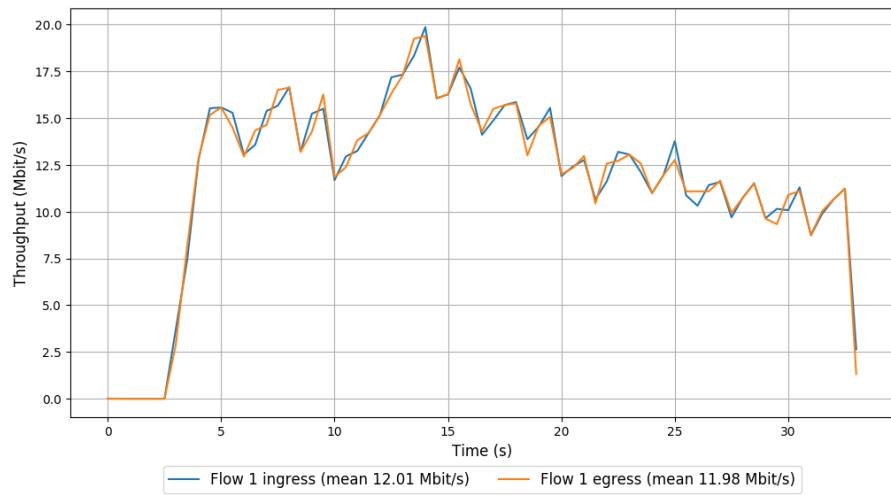


Run 4: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 22:30:29 +0000
End at: Tue, 13 Jun 2017 22:30:59 +0000
Local clock offset: 8.355 ms
Remote clock offset: 1.053 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:41:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 13.313 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 11.98 Mbit/s
95th percentile per-packet one-way delay: 13.313 ms
Loss rate: 0.29%
```

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

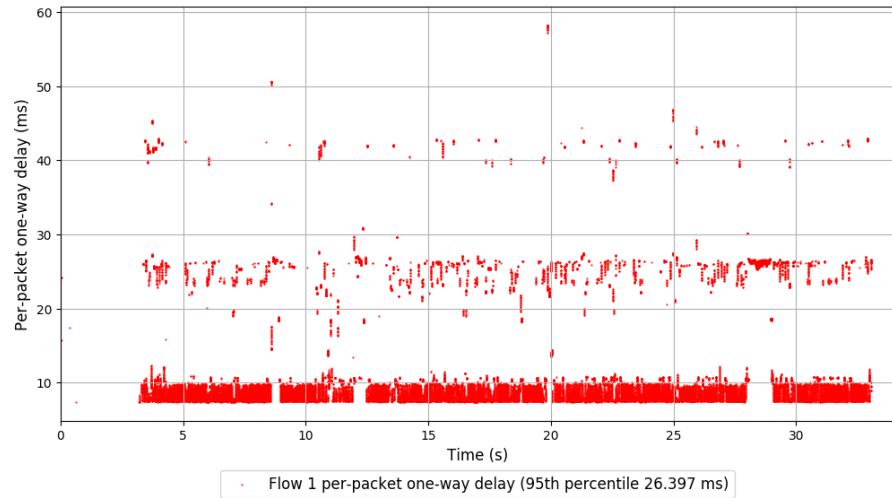
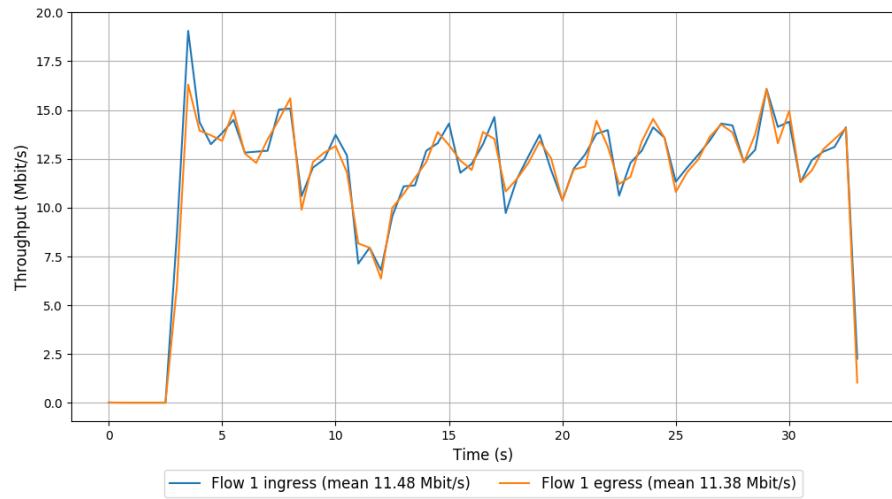


Run 5: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 22:48:38 +0000
End at: Tue, 13 Jun 2017 22:49:08 +0000
Local clock offset: 6.741 ms
Remote clock offset: -0.216 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:41:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 26.397 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 26.397 ms
Loss rate: 1.08%
```

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

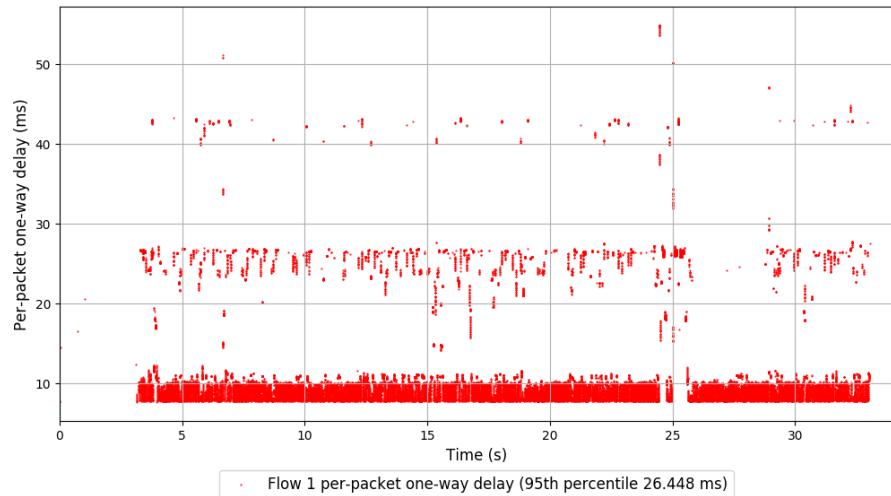
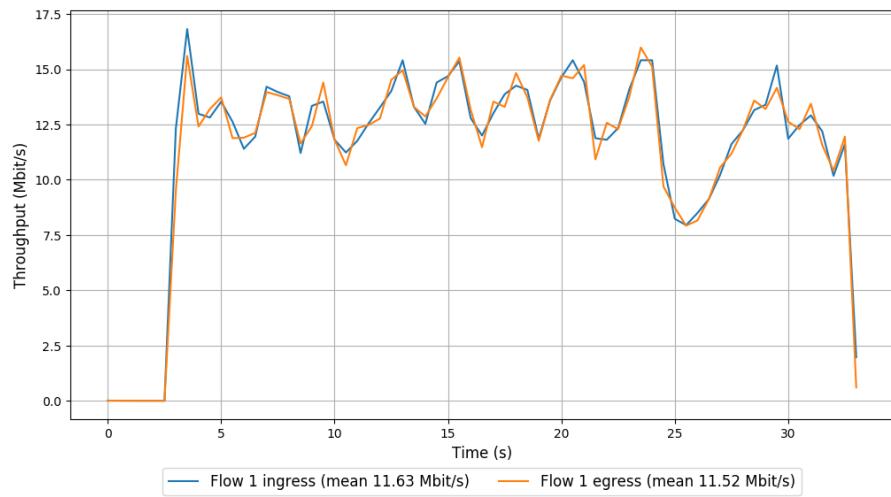


Run 6: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 23:07:02 +0000
End at: Tue, 13 Jun 2017 23:07:33 +0000
Local clock offset: 3.066 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:41:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 26.448 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 26.448 ms
Loss rate: 0.95%
```

Run 6: Report of TCP Cubic — Data Link

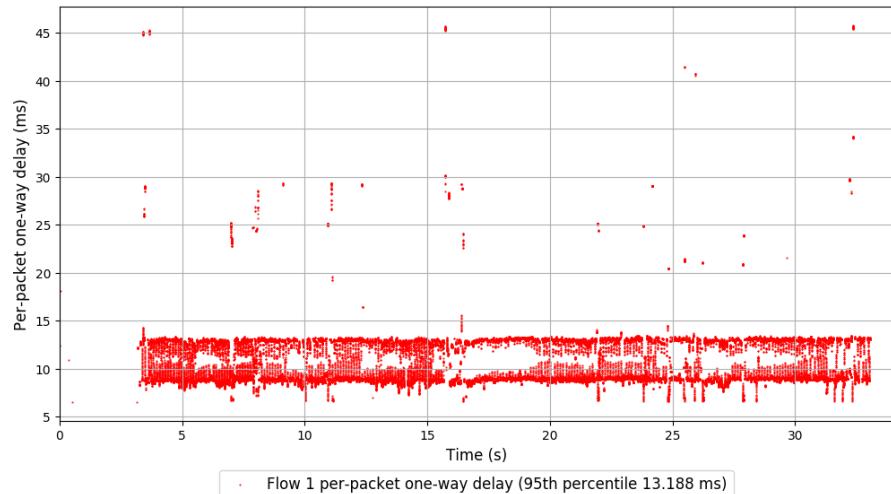
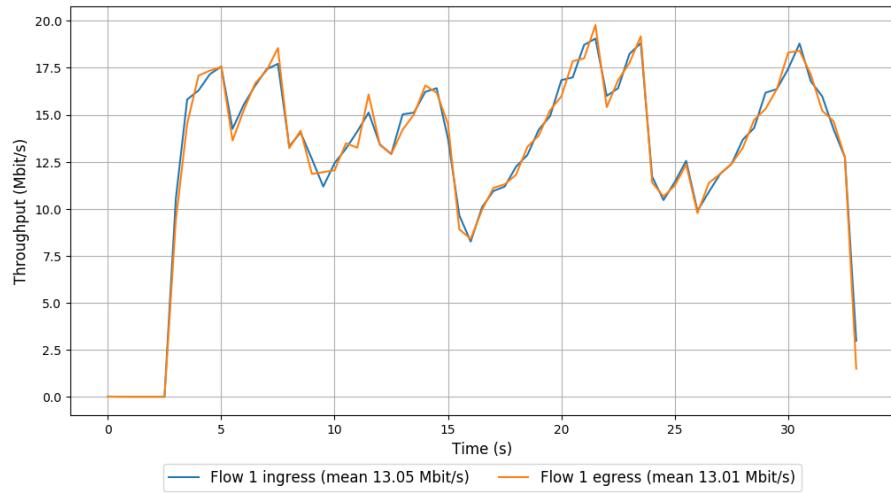


Run 7: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 23:25:30 +0000
End at: Tue, 13 Jun 2017 23:26:00 +0000
Local clock offset: 6.765 ms
Remote clock offset: 0.465 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:41:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 13.188 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 13.01 Mbit/s
95th percentile per-packet one-way delay: 13.188 ms
Loss rate: 0.50%
```

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

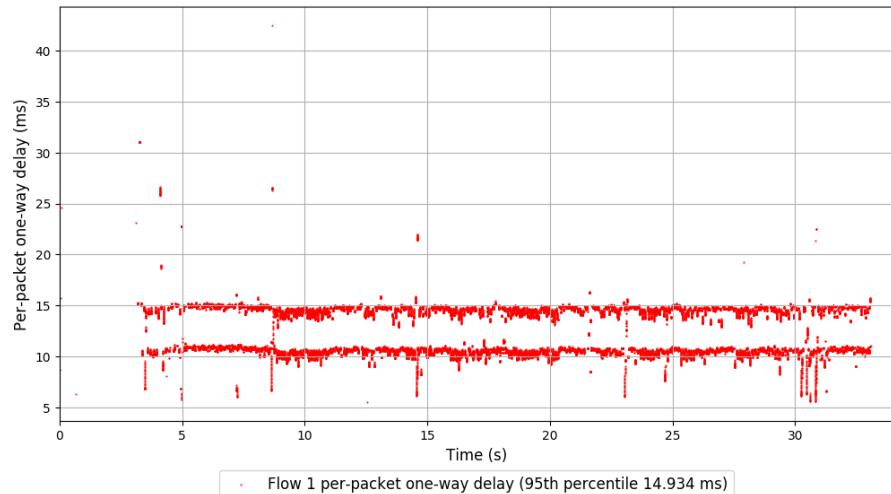
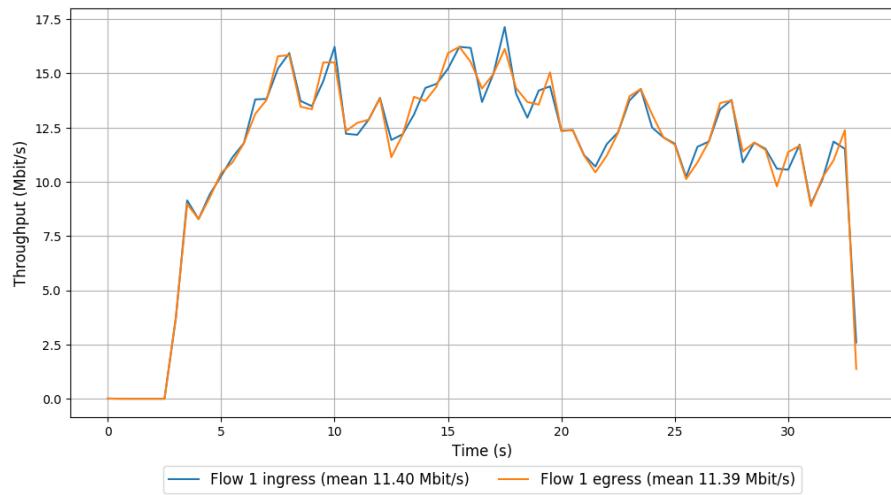


Run 8: Statistics of TCP Cubic

```
Start at: Tue, 13 Jun 2017 23:43:55 +0000
End at: Tue, 13 Jun 2017 23:44:25 +0000
Local clock offset: 6.177 ms
Remote clock offset: 0.976 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:41:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 14.934 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 11.39 Mbit/s
95th percentile per-packet one-way delay: 14.934 ms
Loss rate: 0.24%
```

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

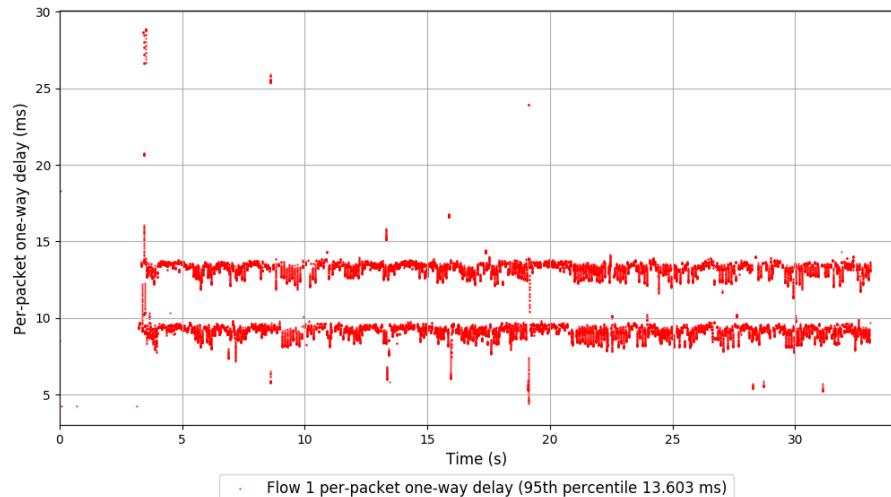
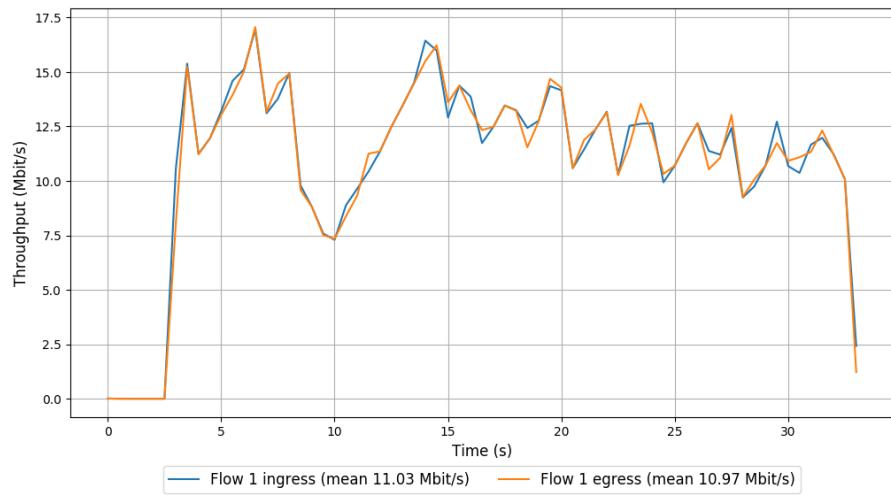


Run 9: Statistics of TCP Cubic

```
Start at: Wed, 14 Jun 2017 00:02:10 +0000
End at: Wed, 14 Jun 2017 00:02:40 +0000
Local clock offset: 6.19 ms
Remote clock offset: 0.332 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:42:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 13.603 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 10.97 Mbit/s
95th percentile per-packet one-way delay: 13.603 ms
Loss rate: 0.60%
```

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

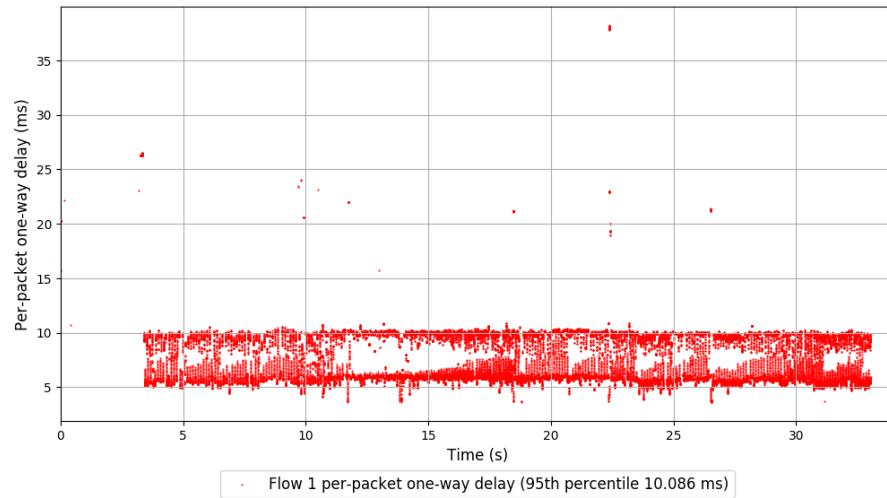
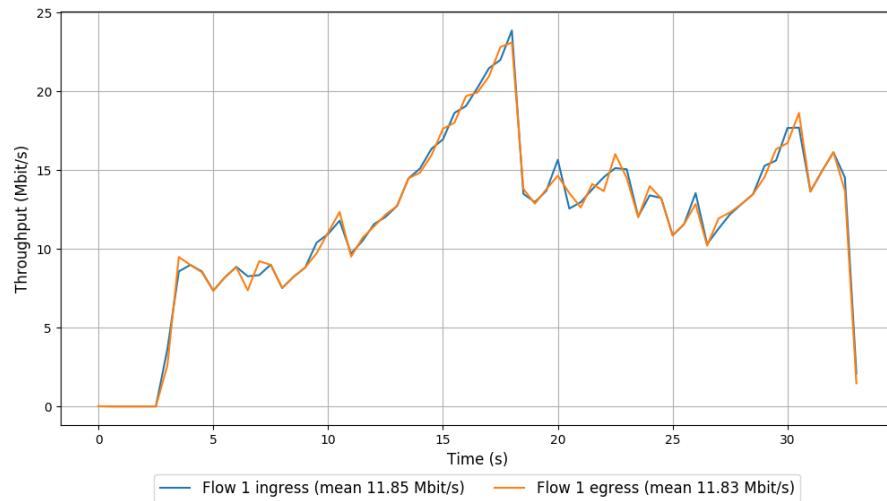


Run 10: Statistics of TCP Cubic

```
Start at: Wed, 14 Jun 2017 00:20:51 +0000
End at: Wed, 14 Jun 2017 00:21:21 +0000
Local clock offset: 8.0 ms
Remote clock offset: 0.09 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:42:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 10.086 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 11.83 Mbit/s
95th percentile per-packet one-way delay: 10.086 ms
Loss rate: 0.29%
```

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



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

```
Start at: Tue, 13 Jun 2017 21:37:00 +0000
```

```
End at: Tue, 13 Jun 2017 21:37:30 +0000
```

```
Local clock offset: 3.731 ms
```

```
Remote clock offset: 0.468 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 02:42:28 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 18.43 Mbit/s
```

```
95th percentile per-packet one-way delay: 18.040 ms
```

```
Loss rate: 2.25%
```

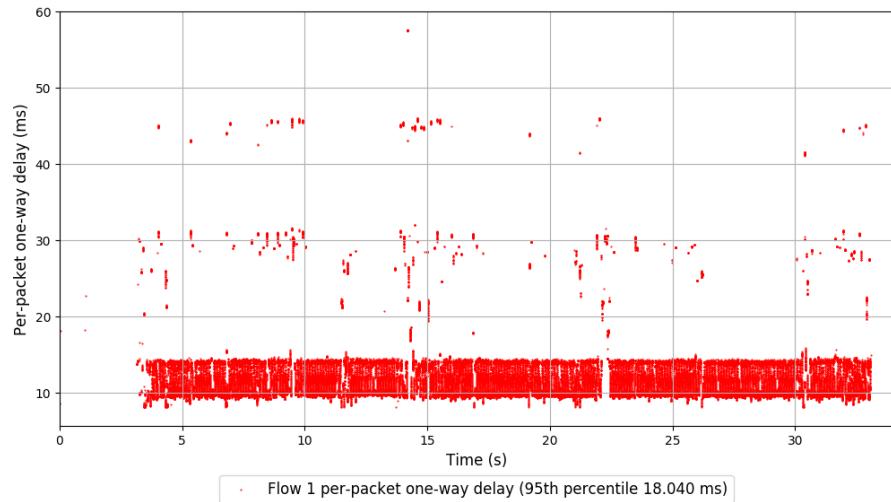
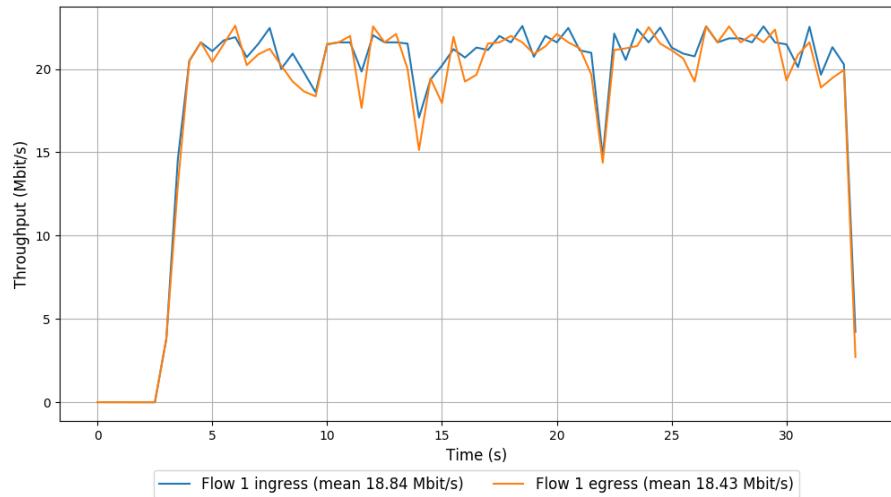
```
-- Flow 1:
```

```
Average throughput: 18.43 Mbit/s
```

```
95th percentile per-packet one-way delay: 18.040 ms
```

```
Loss rate: 2.25%
```

## Run 1: Report of KohoCC — Data Link

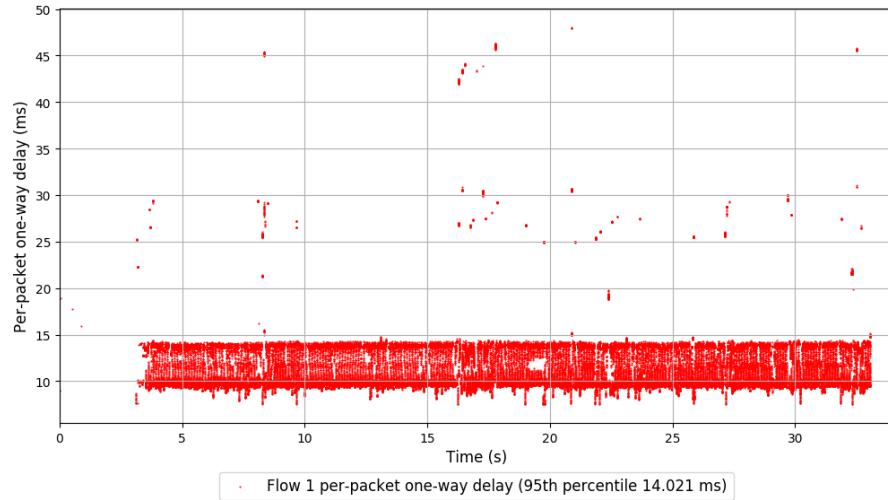
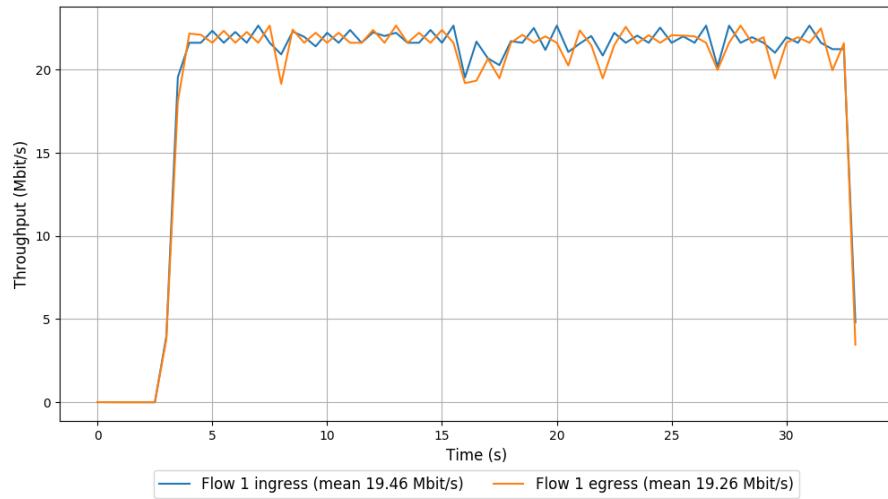


Run 2: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 21:55:41 +0000
End at: Tue, 13 Jun 2017 21:56:11 +0000
Local clock offset: 0.665 ms
Remote clock offset: -0.193 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:42:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 14.021 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 14.021 ms
Loss rate: 1.09%
```

## Run 2: Report of KohoCC — Data Link

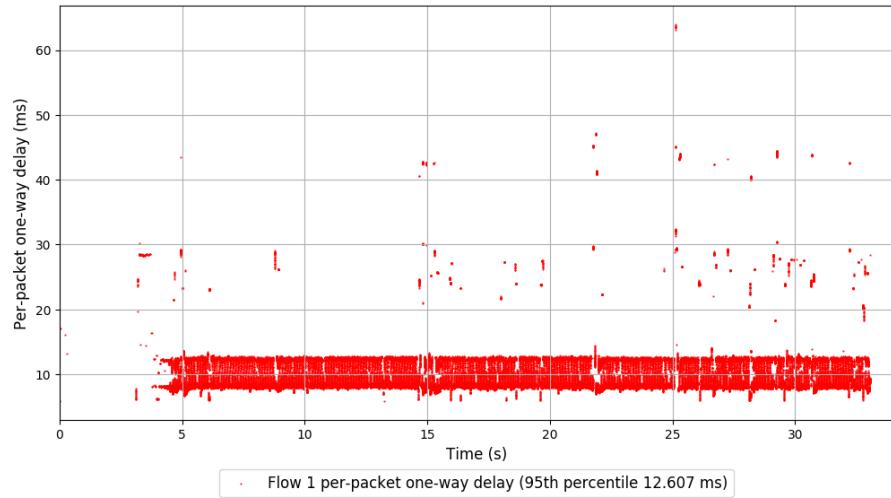
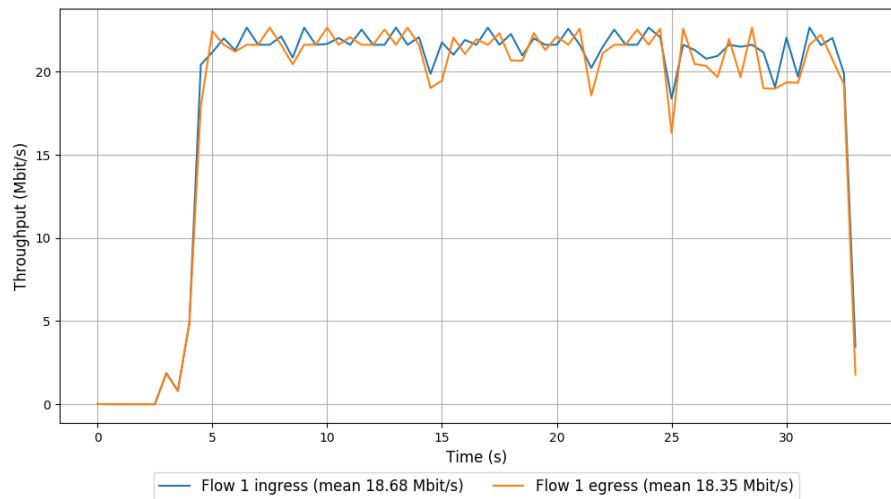


Run 3: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 22:14:14 +0000
End at: Tue, 13 Jun 2017 22:14:44 +0000
Local clock offset: 8.733 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:42:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 12.607 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 18.35 Mbit/s
95th percentile per-packet one-way delay: 12.607 ms
Loss rate: 1.89%
```

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

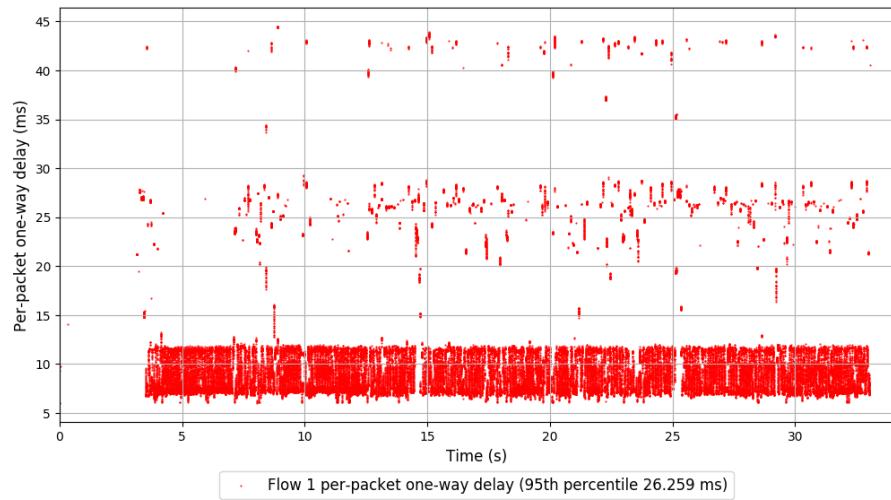
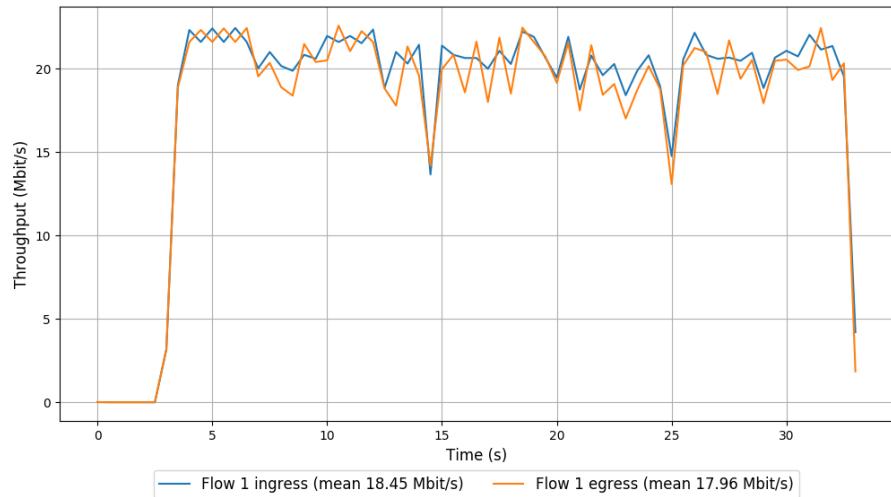


Run 4: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 22:32:47 +0000
End at: Tue, 13 Jun 2017 22:33:17 +0000
Local clock offset: 8.102 ms
Remote clock offset: 0.318 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:42:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.96 Mbit/s
95th percentile per-packet one-way delay: 26.259 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 17.96 Mbit/s
95th percentile per-packet one-way delay: 26.259 ms
Loss rate: 2.71%
```

## Run 4: Report of KohoCC — Data Link

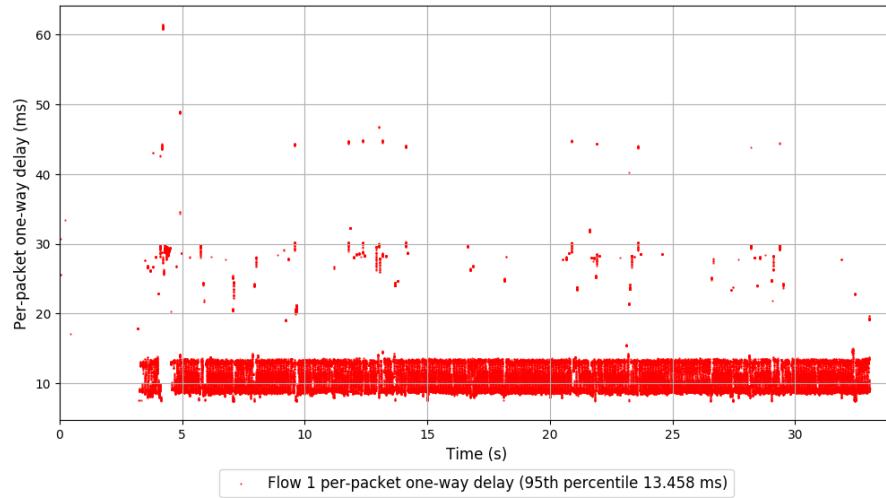
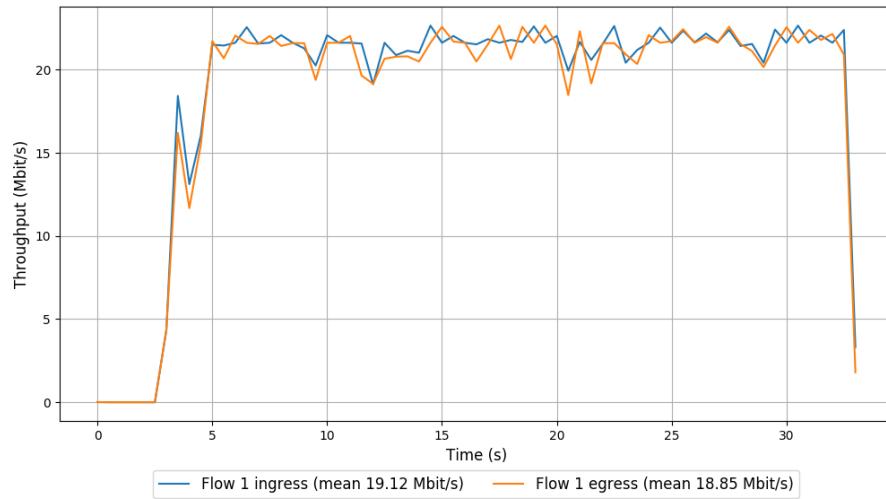


Run 5: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 22:50:56 +0000
End at: Tue, 13 Jun 2017 22:51:26 +0000
Local clock offset: 3.83 ms
Remote clock offset: -1.099 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:43:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 13.458 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 18.85 Mbit/s
95th percentile per-packet one-way delay: 13.458 ms
Loss rate: 1.49%
```

## Run 5: Report of KohoCC — Data Link

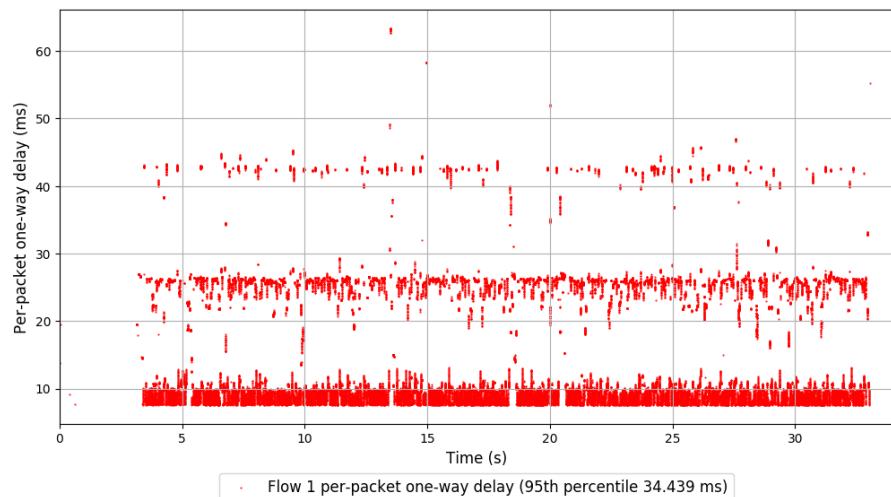
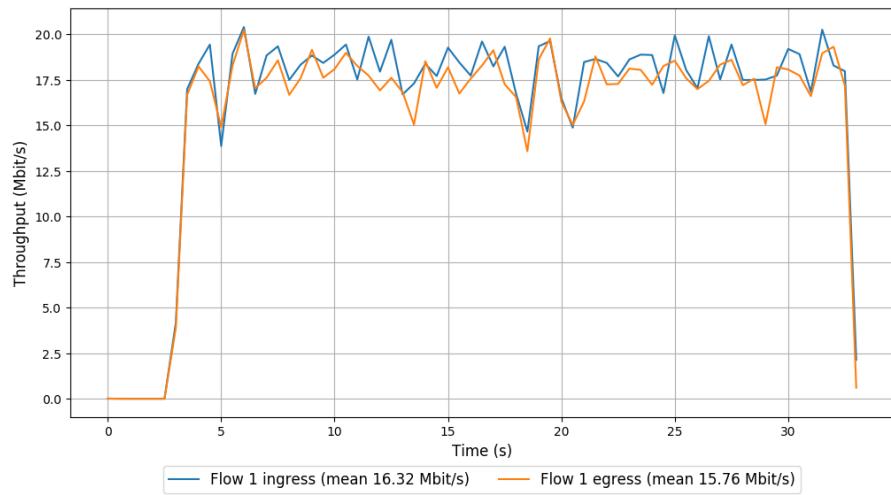


Run 6: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 23:09:21 +0000
End at: Tue, 13 Jun 2017 23:09:51 +0000
Local clock offset: 5.57 ms
Remote clock offset: 0.573 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:43:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 34.439 ms
Loss rate: 3.59%
-- Flow 1:
Average throughput: 15.76 Mbit/s
95th percentile per-packet one-way delay: 34.439 ms
Loss rate: 3.59%
```

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 23:27:50 +0000

End at: Tue, 13 Jun 2017 23:28:20 +0000

Local clock offset: 4.282 ms

Remote clock offset: -0.21 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:43:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 18.10 Mbit/s

95th percentile per-packet one-way delay: 15.638 ms

Loss rate: 4.80%

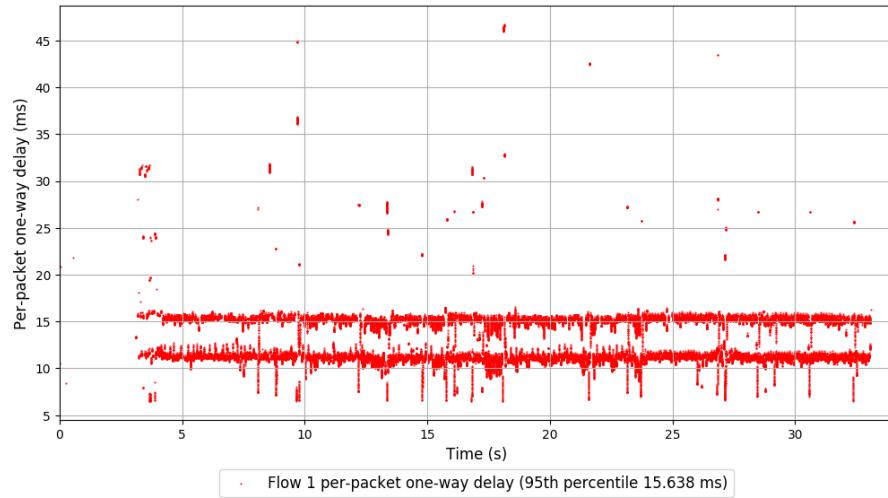
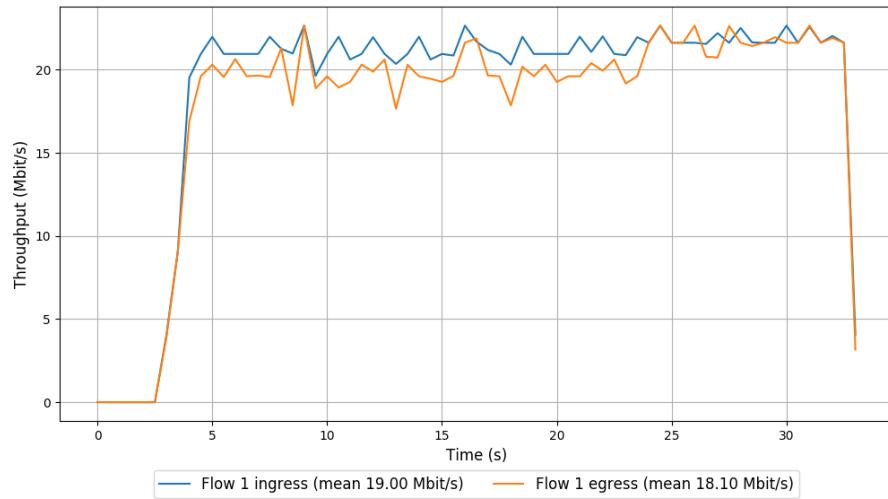
-- Flow 1:

Average throughput: 18.10 Mbit/s

95th percentile per-packet one-way delay: 15.638 ms

Loss rate: 4.80%

## Run 7: Report of KohoCC — Data Link

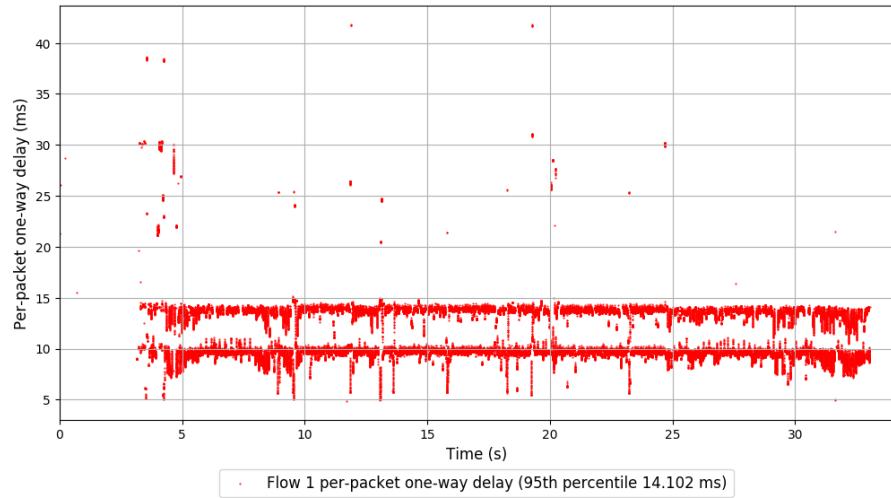
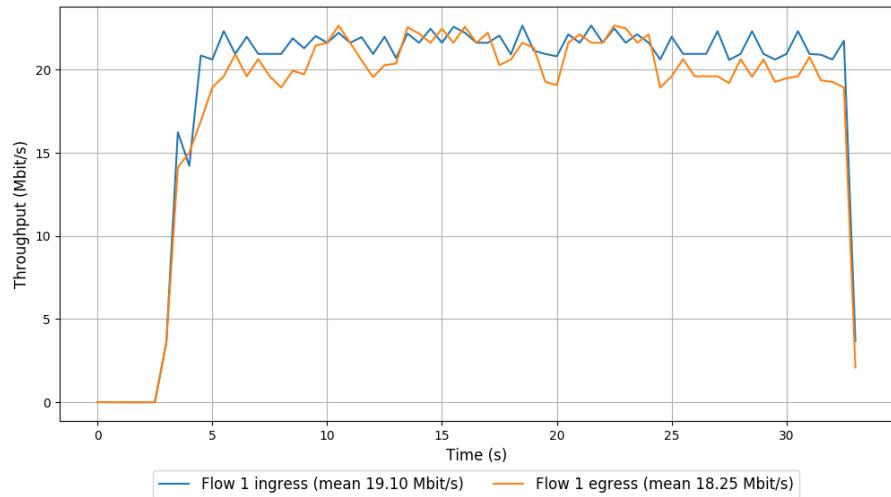


Run 8: Statistics of KohoCC

```
Start at: Tue, 13 Jun 2017 23:46:13 +0000
End at: Tue, 13 Jun 2017 23:46:43 +0000
Local clock offset: 6.251 ms
Remote clock offset: 0.186 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:43:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.25 Mbit/s
95th percentile per-packet one-way delay: 14.102 ms
Loss rate: 4.52%
-- Flow 1:
Average throughput: 18.25 Mbit/s
95th percentile per-packet one-way delay: 14.102 ms
Loss rate: 4.52%
```

## Run 8: Report of KohoCC — Data Link

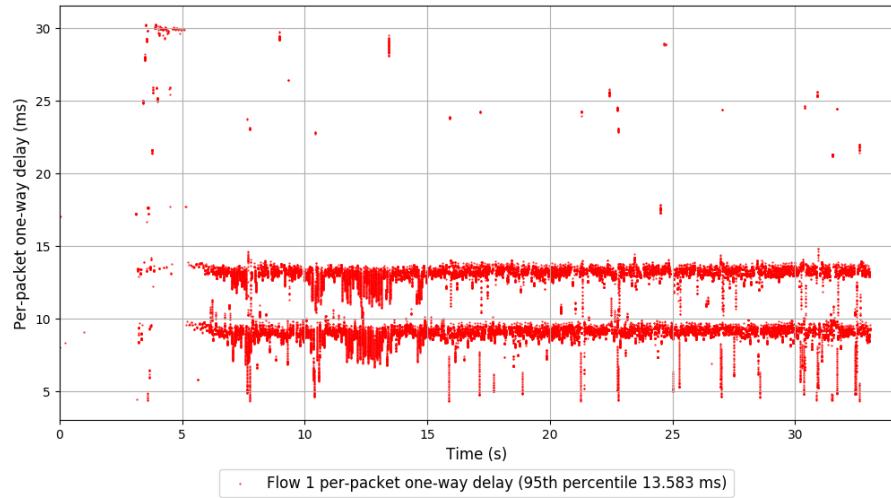
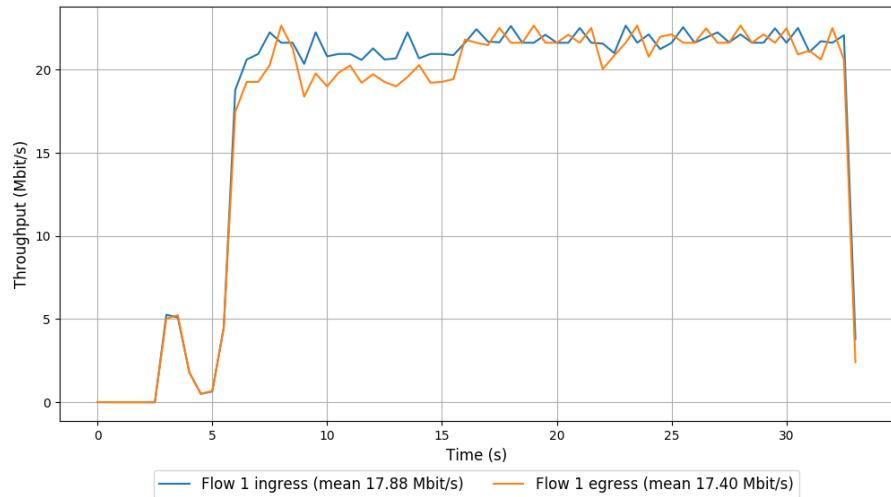


Run 9: Statistics of KohoCC

```
Start at: Wed, 14 Jun 2017 00:04:30 +0000
End at: Wed, 14 Jun 2017 00:05:00 +0000
Local clock offset: 4.626 ms
Remote clock offset: -1.115 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:43:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.40 Mbit/s
95th percentile per-packet one-way delay: 13.583 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 17.40 Mbit/s
95th percentile per-packet one-way delay: 13.583 ms
Loss rate: 2.87%
```

## Run 9: Report of KohoCC — Data Link



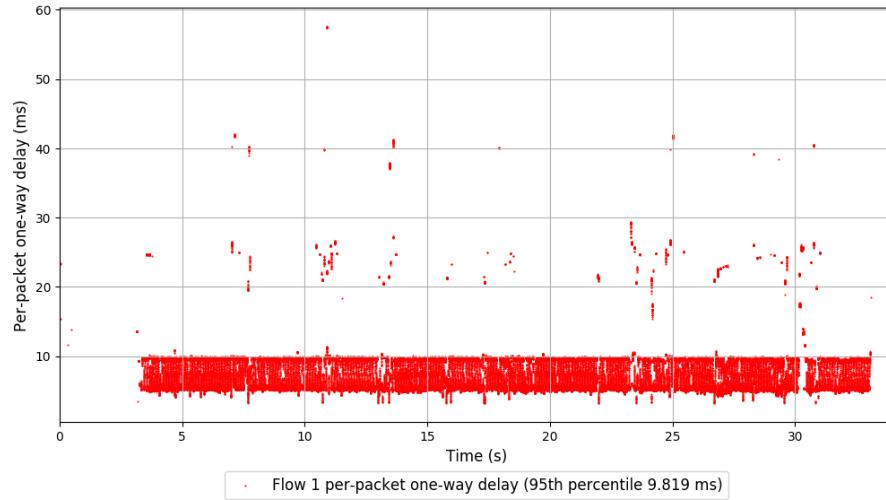
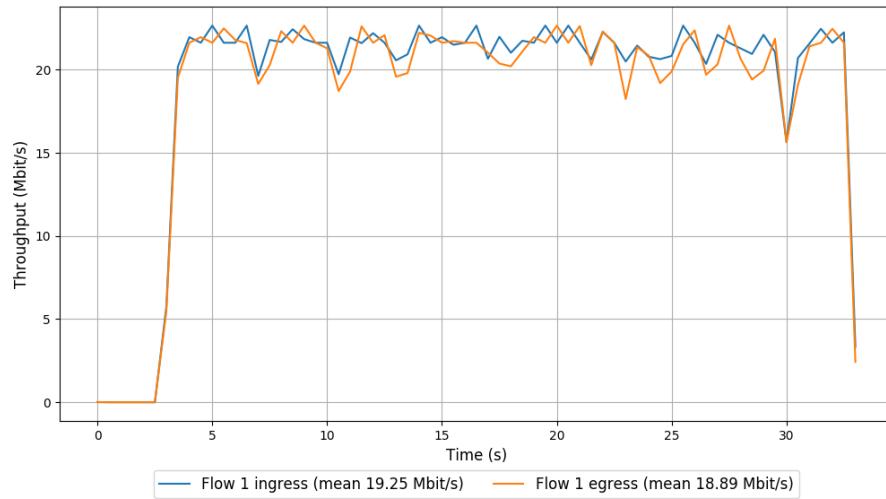
Run 10: Statistics of KohoCC

Start at: Wed, 14 Jun 2017 00:23:10 +0000  
End at: Wed, 14 Jun 2017 00:23:40 +0000

Local clock offset: 11.596 ms  
Remote clock offset: 0.184 ms

```
# Below is generated by plot.py at Wed, 14 Jun 2017 02:43:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 9.819 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 18.89 Mbit/s
95th percentile per-packet one-way delay: 9.819 ms
Loss rate: 1.97%
```

Run 10: Report of KohoCC — Data Link

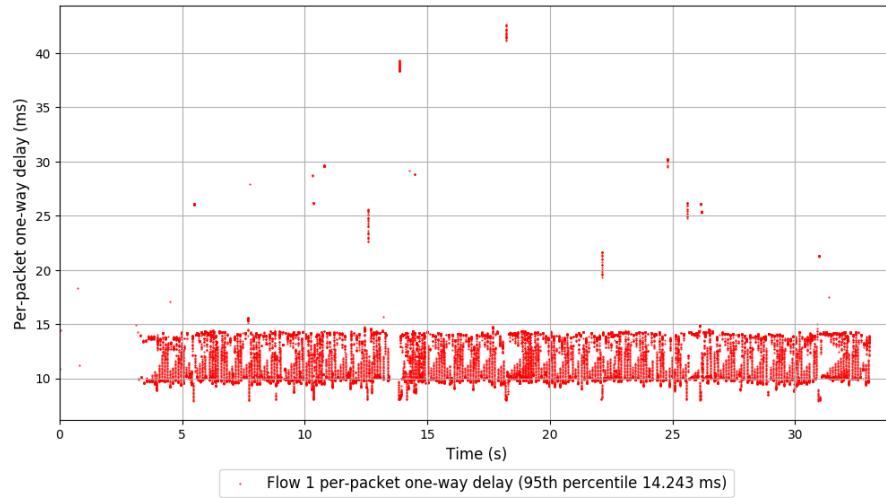
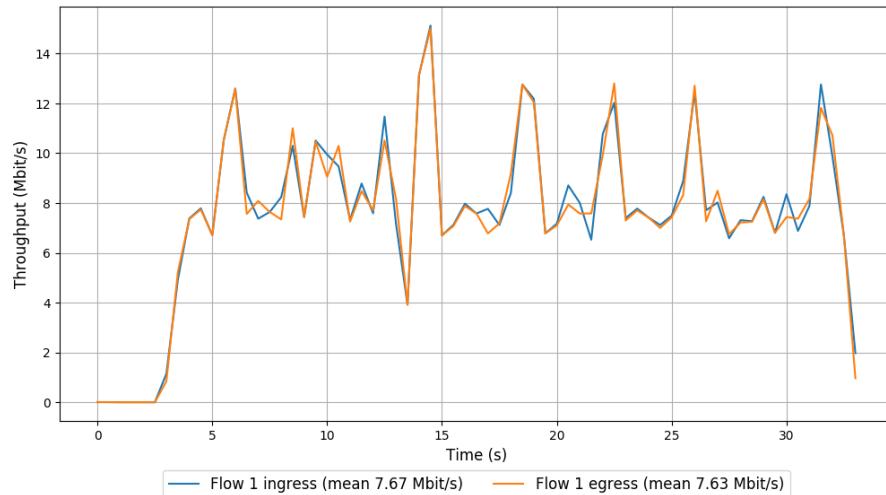


Run 1: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 21:40:49 +0000
End at: Tue, 13 Jun 2017 21:41:19 +0000
Local clock offset: -0.054 ms
Remote clock offset: 0.955 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:43:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.63 Mbit/s
95th percentile per-packet one-way delay: 14.243 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 7.63 Mbit/s
95th percentile per-packet one-way delay: 14.243 ms
Loss rate: 0.69%
```

## Run 1: Report of LEDBAT — Data Link

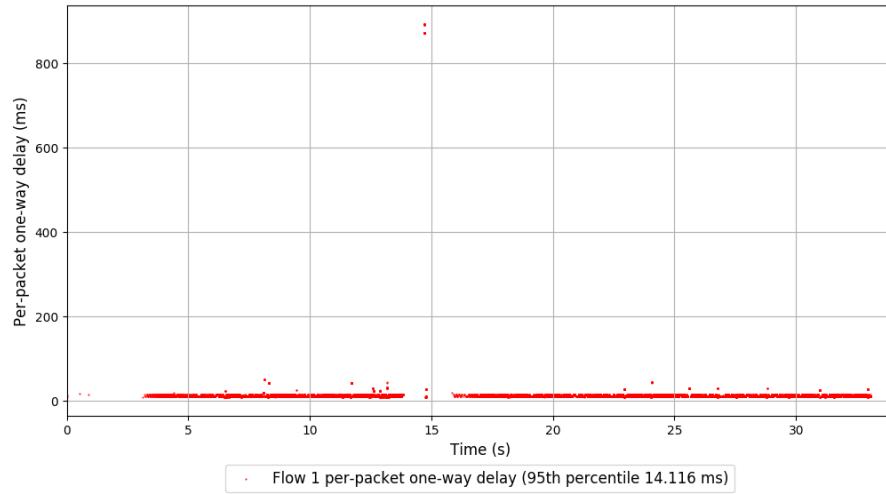
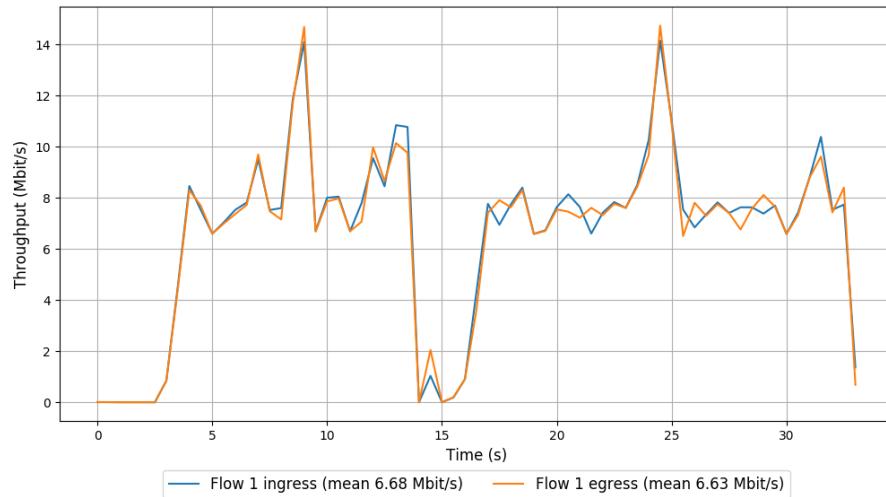


Run 2: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 21:59:25 +0000
End at: Tue, 13 Jun 2017 21:59:55 +0000
Local clock offset: 4.119 ms
Remote clock offset: 0.712 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:43:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 14.116 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 6.63 Mbit/s
95th percentile per-packet one-way delay: 14.116 ms
Loss rate: 0.81%
```

## Run 2: Report of LEDBAT — Data Link

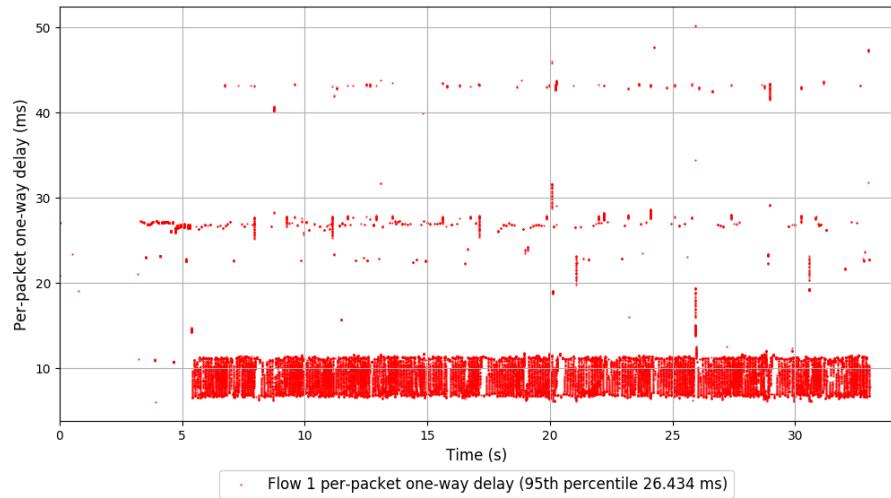
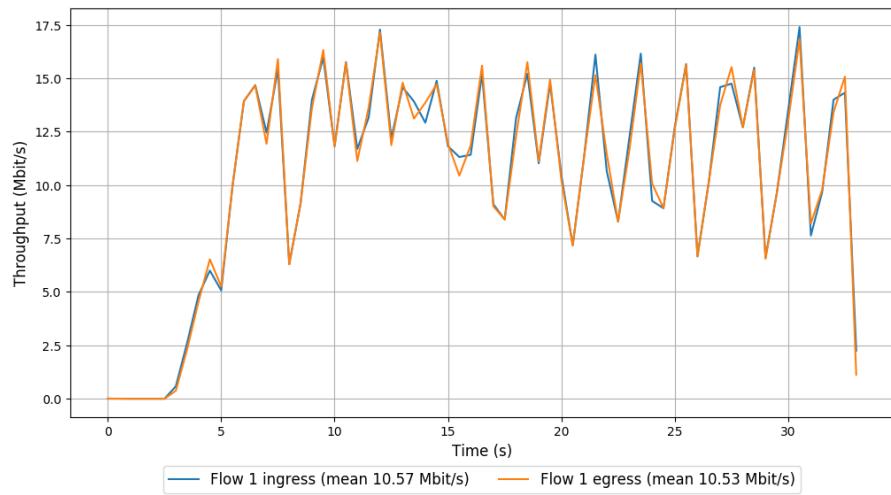


Run 3: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 22:18:00 +0000
End at: Tue, 13 Jun 2017 22:18:30 +0000
Local clock offset: 1.108 ms
Remote clock offset: 0.607 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:44:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: 26.434 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: 26.434 ms
Loss rate: 0.42%
```

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

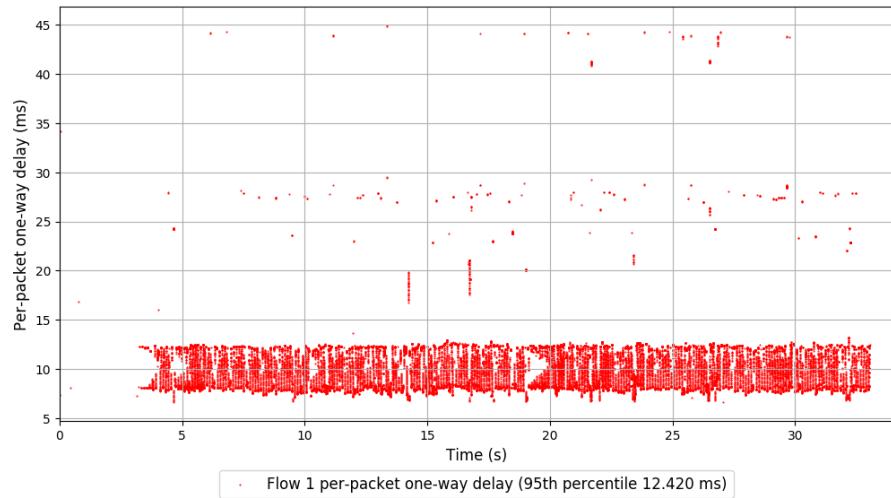
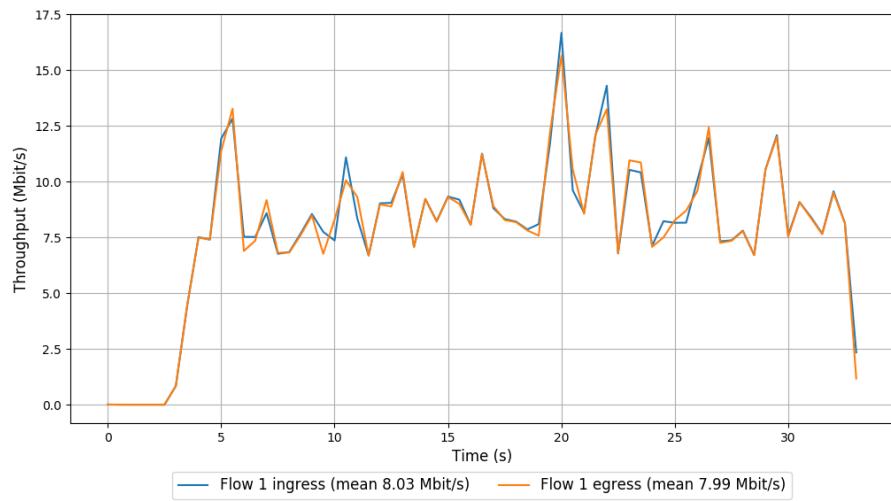


Run 4: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 22:36:33 +0000
End at: Tue, 13 Jun 2017 22:37:03 +0000
Local clock offset: 4.058 ms
Remote clock offset: -0.258 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:44:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 12.420 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 12.420 ms
Loss rate: 0.56%
```

## Run 4: Report of LEDBAT — Data Link

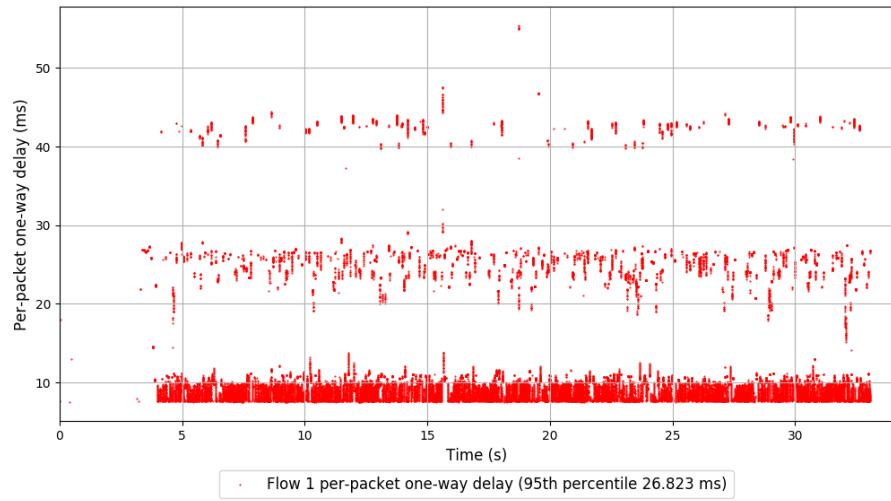
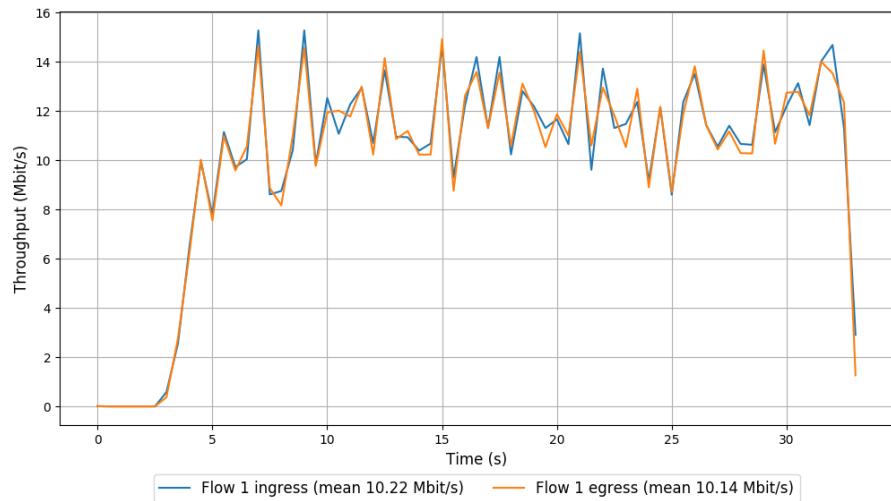


Run 5: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 22:54:40 +0000
End at: Tue, 13 Jun 2017 22:55:10 +0000
Local clock offset: 3.963 ms
Remote clock offset: -0.215 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:44:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 26.823 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 26.823 ms
Loss rate: 0.83%
```

## Run 5: Report of LEDBAT — Data Link

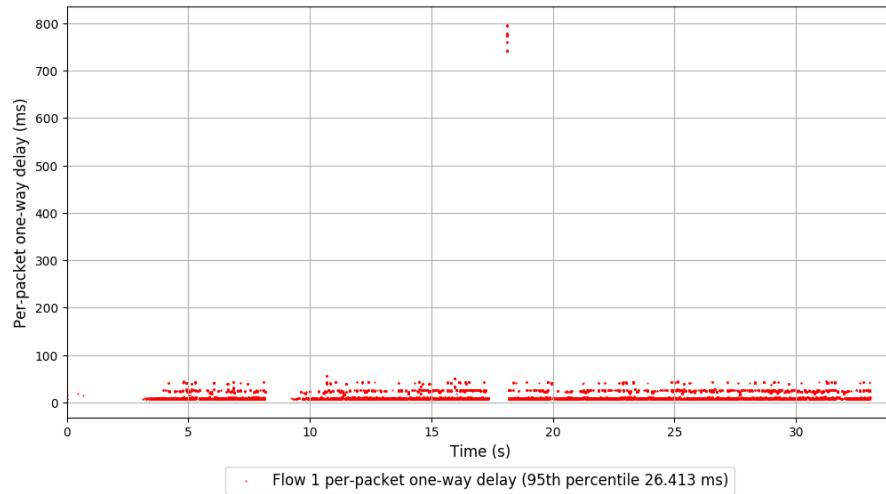
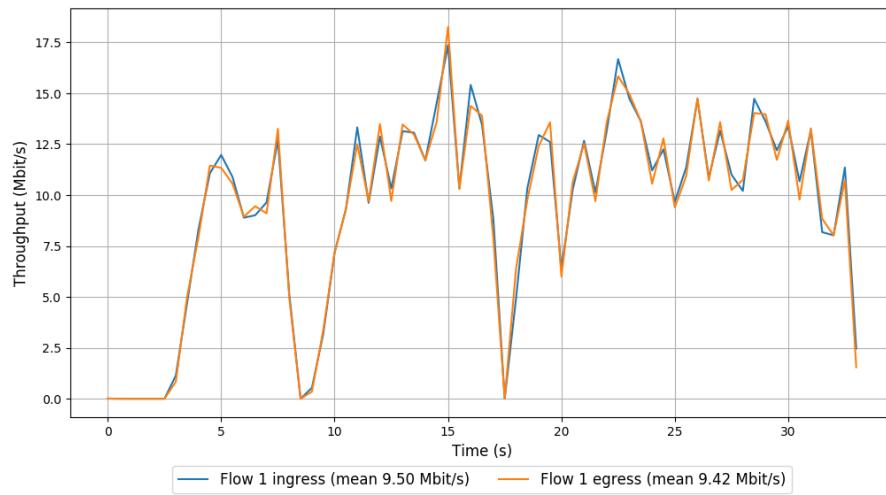


Run 6: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 23:13:05 +0000
End at: Tue, 13 Jun 2017 23:13:35 +0000
Local clock offset: 4.424 ms
Remote clock offset: -0.774 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:44:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.42 Mbit/s
95th percentile per-packet one-way delay: 26.413 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 9.42 Mbit/s
95th percentile per-packet one-way delay: 26.413 ms
Loss rate: 0.82%
```

## Run 6: Report of LEDBAT — Data Link

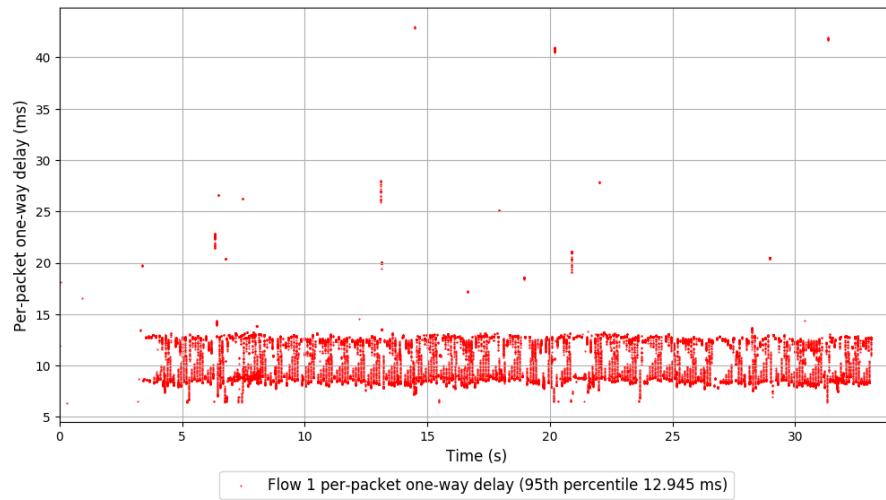
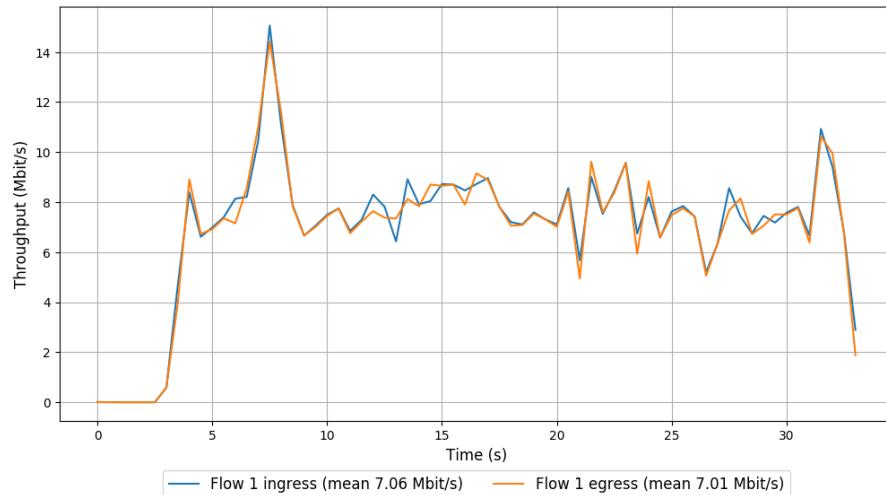


Run 7: Statistics of LEDBAT

```
Start at: Tue, 13 Jun 2017 23:31:34 +0000
End at: Tue, 13 Jun 2017 23:32:04 +0000
Local clock offset: 5.118 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:44:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 12.945 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 12.945 ms
Loss rate: 0.85%
```

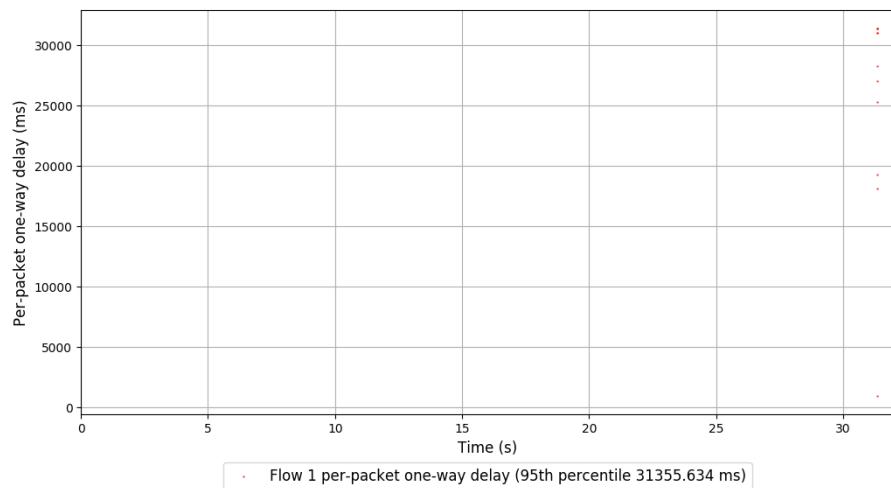
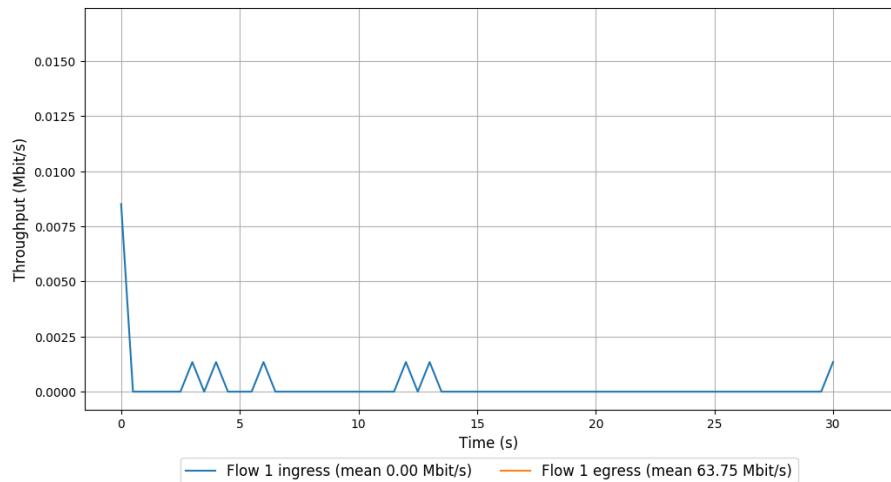
## Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 23:50:02 +0000  
End at: Tue, 13 Jun 2017 23:50:32 +0000  
Local clock offset: 7.482 ms  
Remote clock offset: 1.068 ms

Run 8: Report of LEDBAT — Data Link

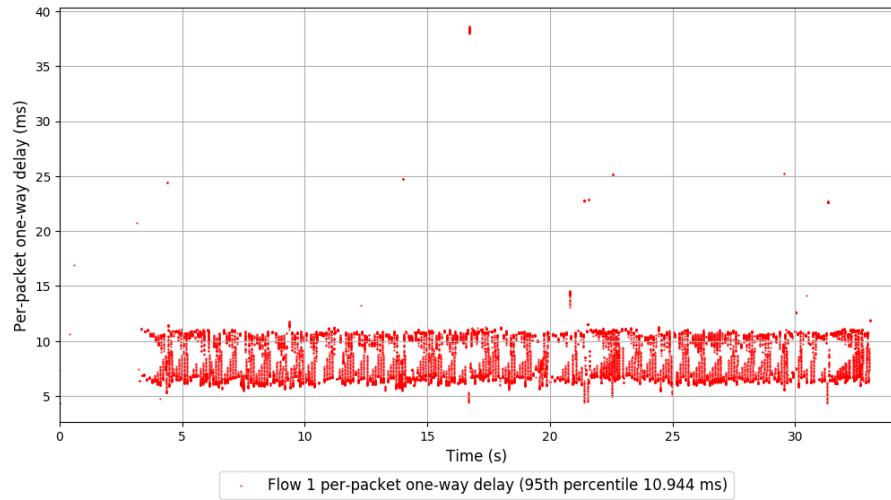
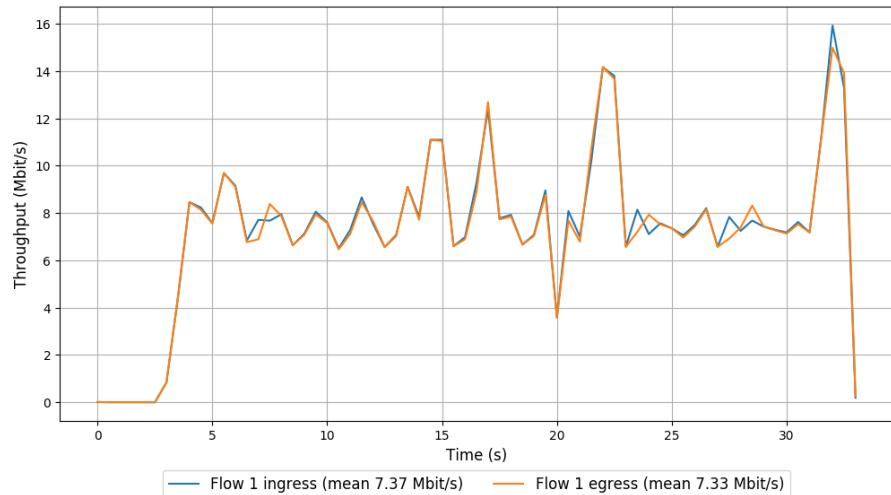


Run 9: Statistics of LEDBAT

```
Start at: Wed, 14 Jun 2017 00:08:22 +0000
End at: Wed, 14 Jun 2017 00:08:52 +0000
Local clock offset: 2.026 ms
Remote clock offset: -0.44 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:44:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 10.944 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 10.944 ms
Loss rate: 0.57%
```

## Run 9: Report of LEDBAT — Data Link

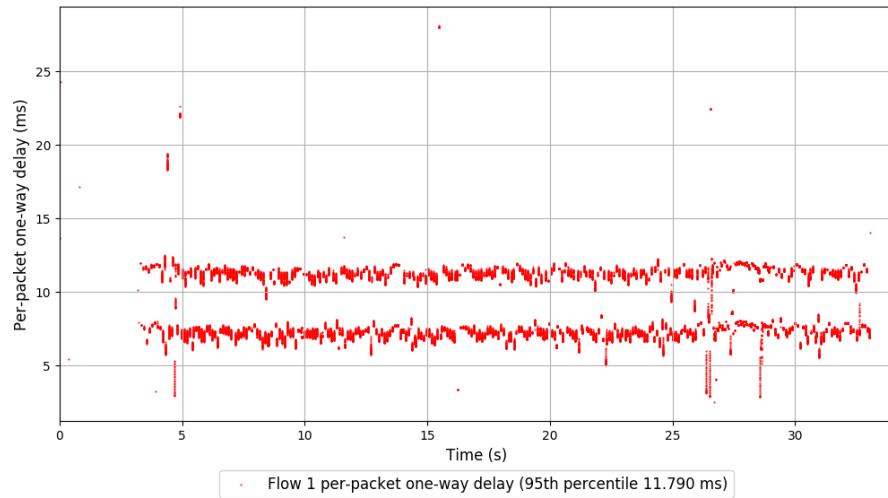
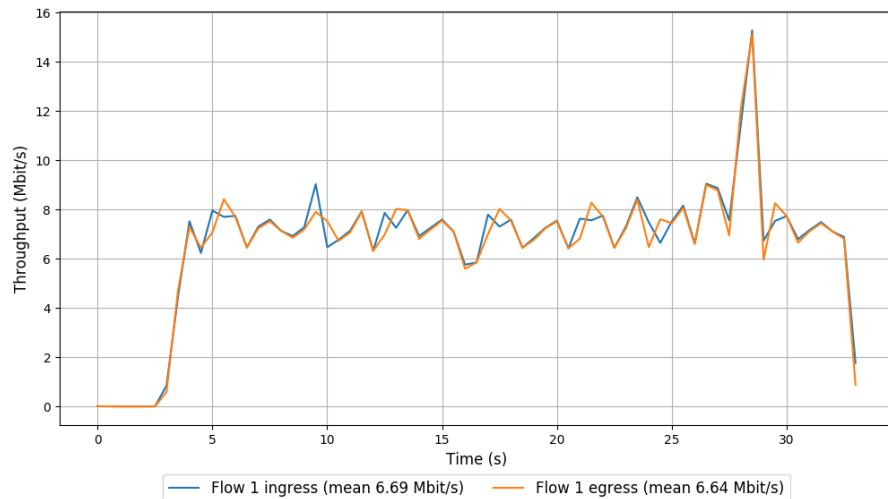


Run 10: Statistics of LEDBAT

```
Start at: Wed, 14 Jun 2017 00:26:55 +0000
End at: Wed, 14 Jun 2017 00:27:25 +0000
Local clock offset: 6.177 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:44:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 11.790 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 6.64 Mbit/s
95th percentile per-packet one-way delay: 11.790 ms
Loss rate: 0.80%
```

## Run 10: Report of LEDBAT — Data Link

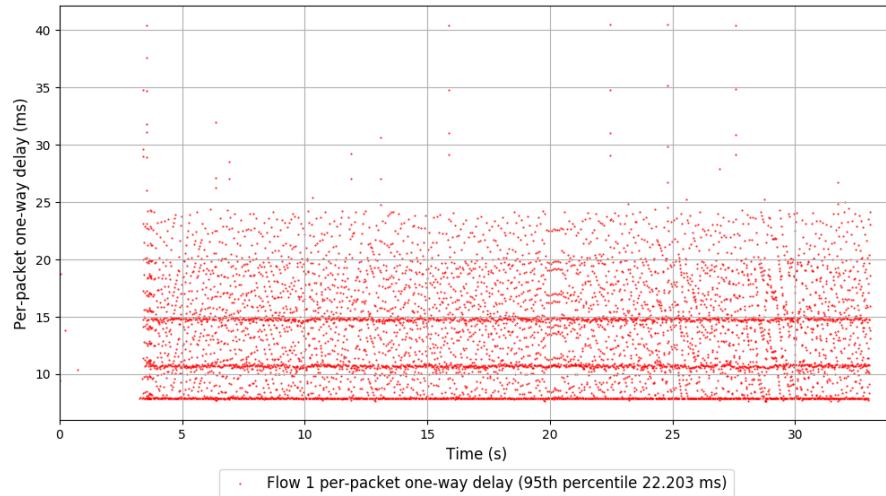
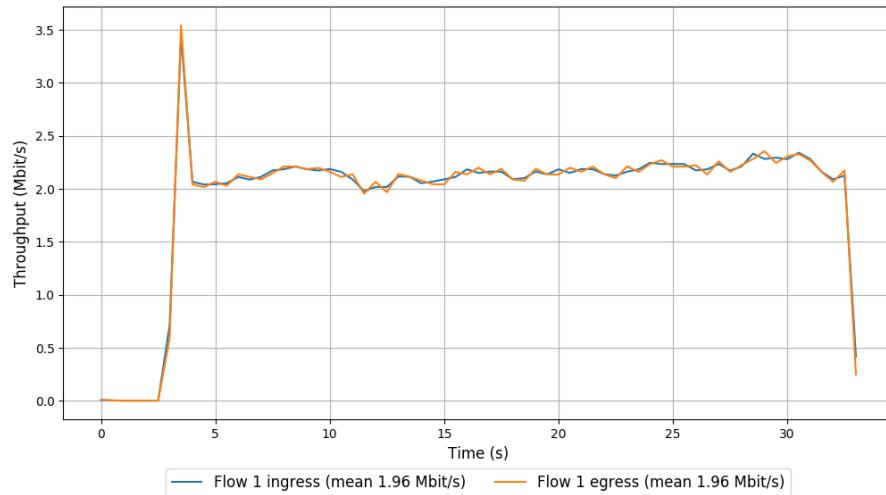


Run 1: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 21:43:19 +0000
End at: Tue, 13 Jun 2017 21:43:49 +0000
Local clock offset: 6.785 ms
Remote clock offset: 0.207 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:44:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 22.203 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 22.203 ms
Loss rate: 0.17%
```

## Run 1: Report of PCC — Data Link

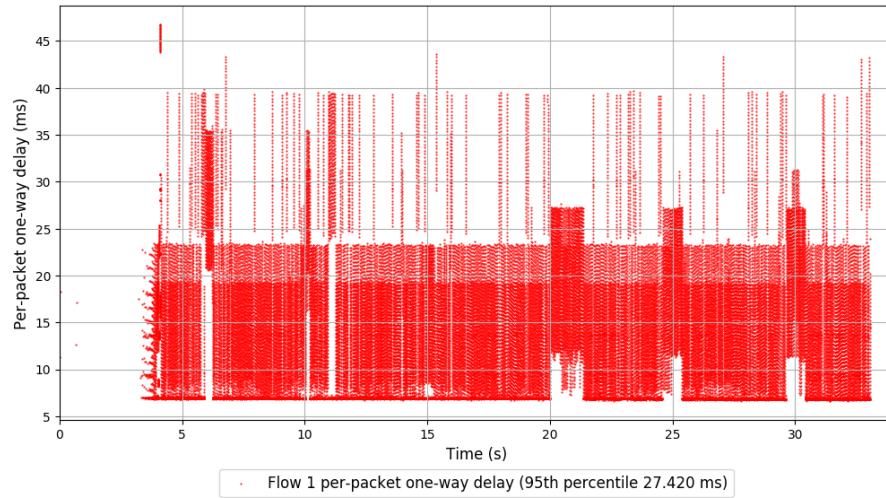
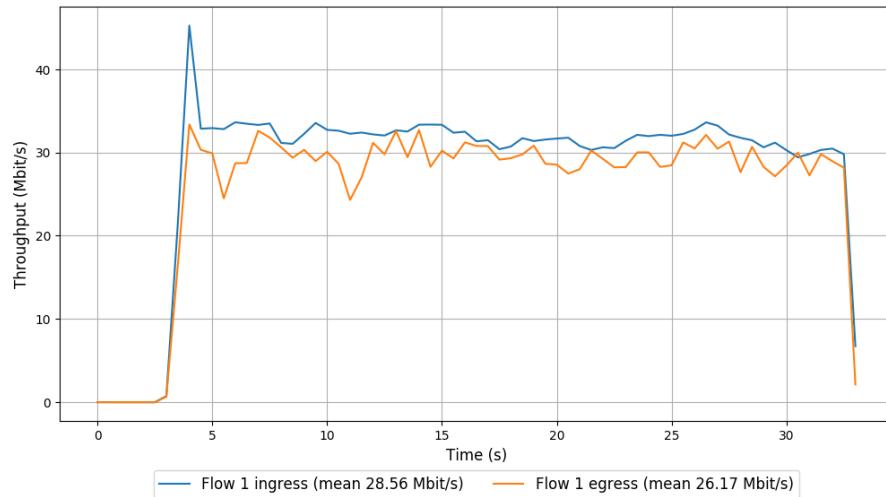


Run 2: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 22:01:52 +0000
End at: Tue, 13 Jun 2017 22:02:22 +0000
Local clock offset: 4.802 ms
Remote clock offset: 0.449 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:45:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 27.420 ms
Loss rate: 8.51%
-- Flow 1:
Average throughput: 26.17 Mbit/s
95th percentile per-packet one-way delay: 27.420 ms
Loss rate: 8.51%
```

## Run 2: Report of PCC — Data Link

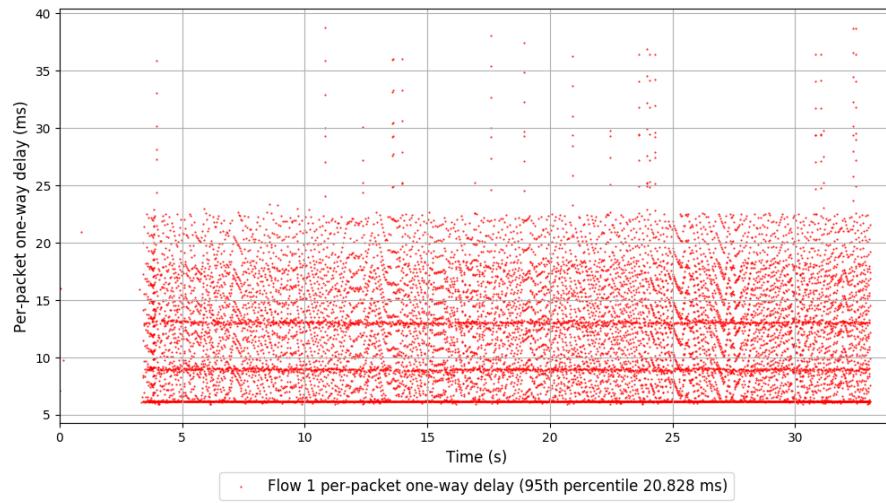
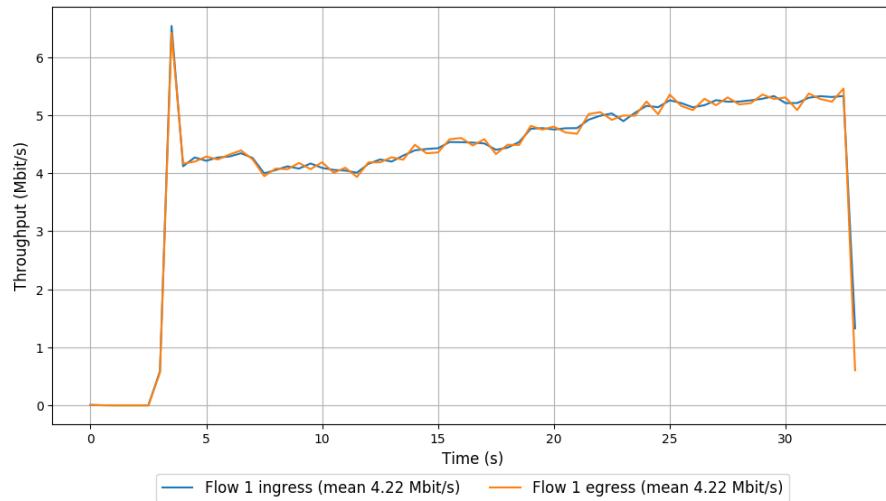


Run 3: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 22:20:30 +0000
End at: Tue, 13 Jun 2017 22:21:00 +0000
Local clock offset: 5.688 ms
Remote clock offset: -0.381 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:45:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 20.828 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 4.22 Mbit/s
95th percentile per-packet one-way delay: 20.828 ms
Loss rate: 0.29%
```

### Run 3: Report of PCC — Data Link

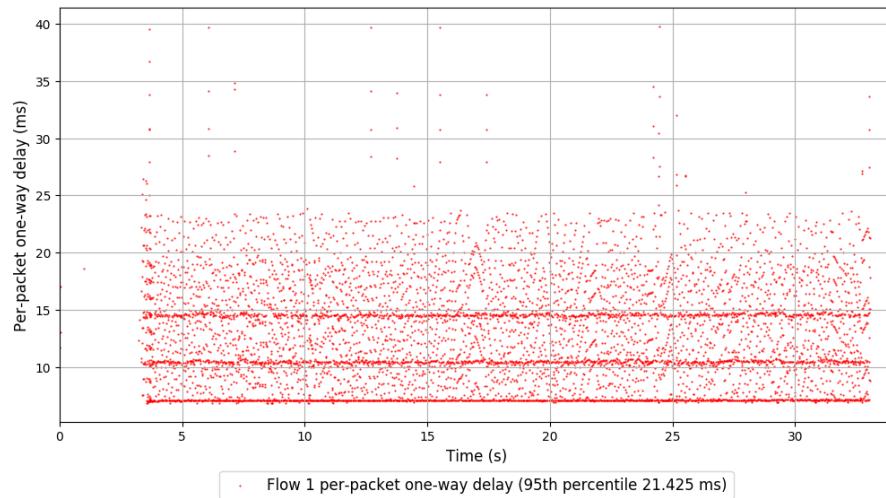
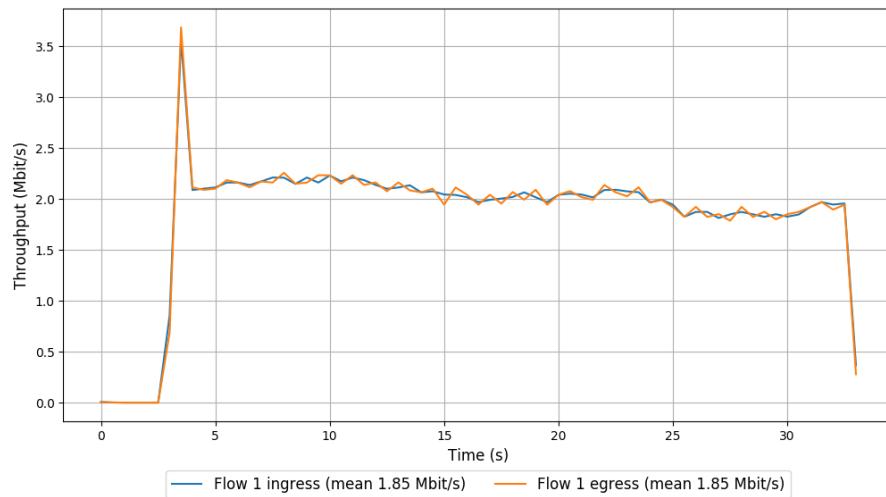


Run 4: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 22:39:03 +0000
End at: Tue, 13 Jun 2017 22:39:33 +0000
Local clock offset: 5.627 ms
Remote clock offset: 0.97 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:45:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 21.425 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 21.425 ms
Loss rate: 0.14%
```

## Run 4: Report of PCC — Data Link

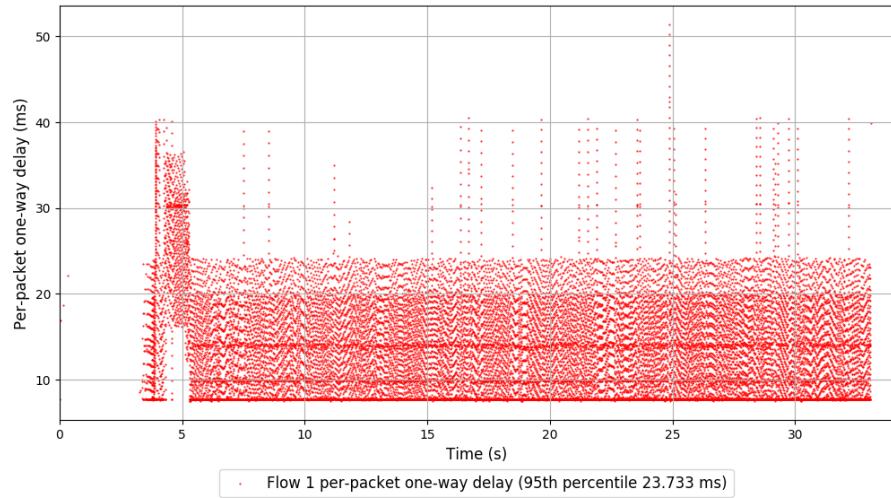
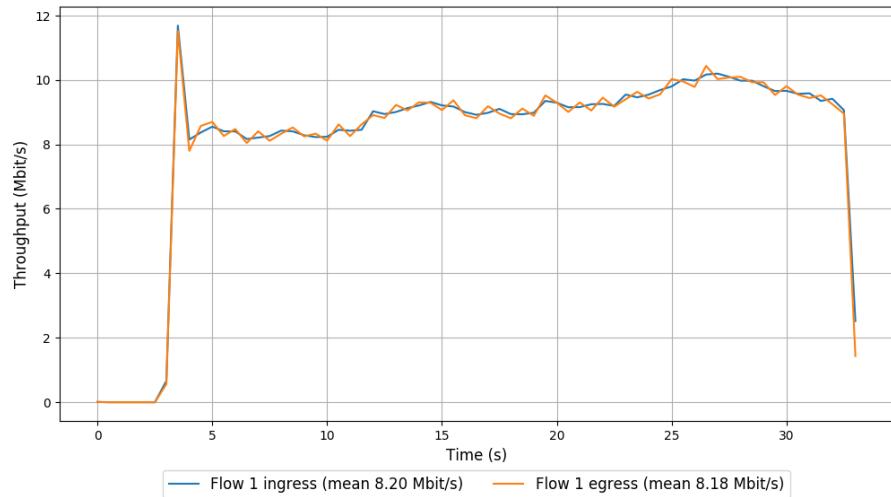


Run 5: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 22:57:11 +0000
End at: Tue, 13 Jun 2017 22:57:41 +0000
Local clock offset: 5.54 ms
Remote clock offset: 0.339 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:45:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.18 Mbit/s
95th percentile per-packet one-way delay: 23.733 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 8.18 Mbit/s
95th percentile per-packet one-way delay: 23.733 ms
Loss rate: 0.30%
```

### Run 5: Report of PCC — Data Link

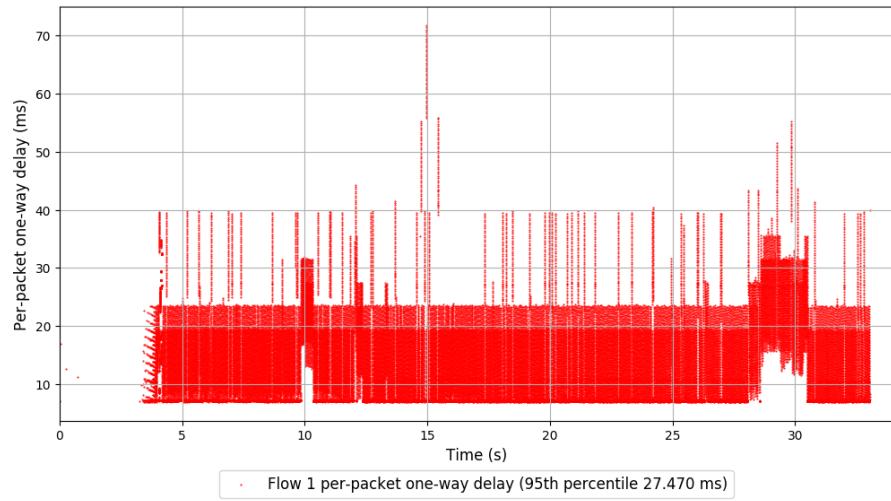
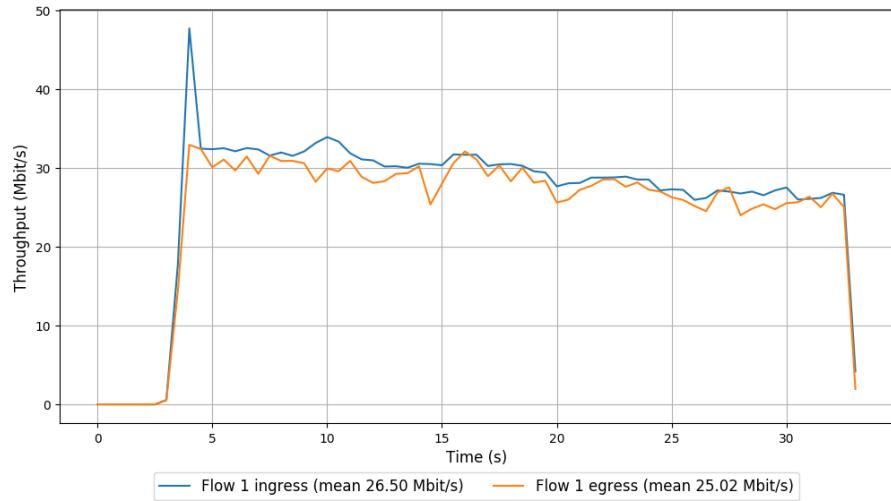


Run 6: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 23:15:34 +0000
End at: Tue, 13 Jun 2017 23:16:04 +0000
Local clock offset: 4.214 ms
Remote clock offset: 0.057 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:45:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 27.470 ms
Loss rate: 5.65%
-- Flow 1:
Average throughput: 25.02 Mbit/s
95th percentile per-packet one-way delay: 27.470 ms
Loss rate: 5.65%
```

## Run 6: Report of PCC — Data Link

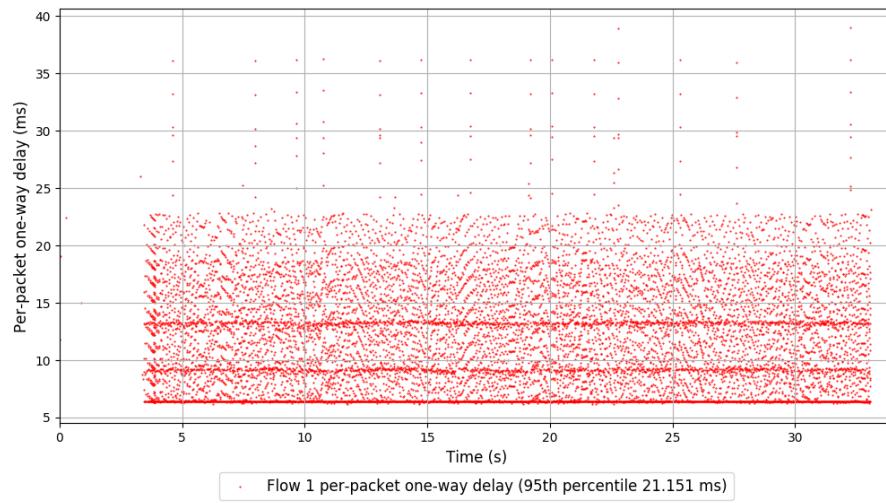
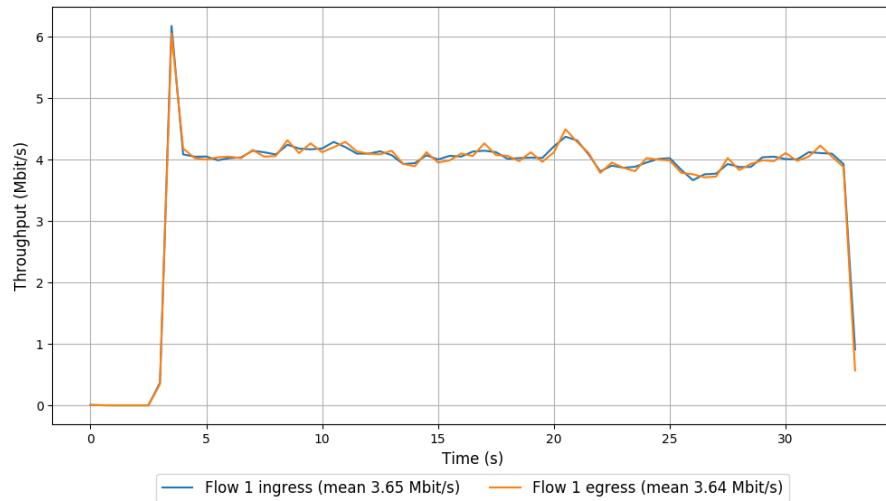


Run 7: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 23:34:03 +0000
End at: Tue, 13 Jun 2017 23:34:33 +0000
Local clock offset: 2.843 ms
Remote clock offset: 0.488 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:45:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 21.151 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 21.151 ms
Loss rate: 0.20%
```

## Run 7: Report of PCC — Data Link

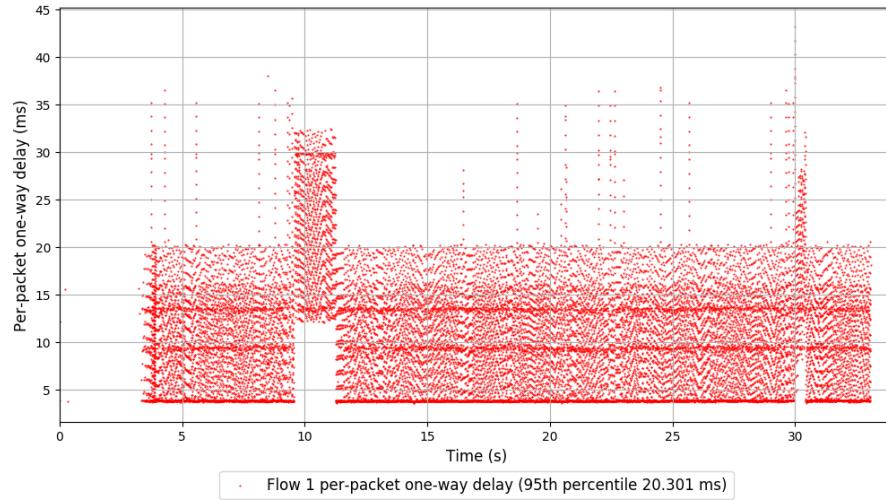
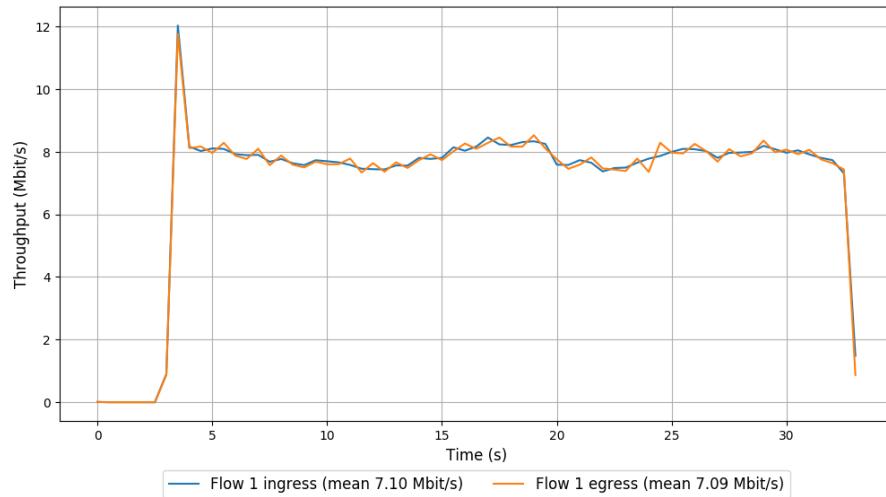


Run 8: Statistics of PCC

```
Start at: Tue, 13 Jun 2017 23:52:30 +0000
End at: Tue, 13 Jun 2017 23:53:00 +0000
Local clock offset: 5.186 ms
Remote clock offset: -0.248 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:45:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 20.301 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 7.09 Mbit/s
95th percentile per-packet one-way delay: 20.301 ms
Loss rate: 0.16%
```

### Run 8: Report of PCC — Data Link

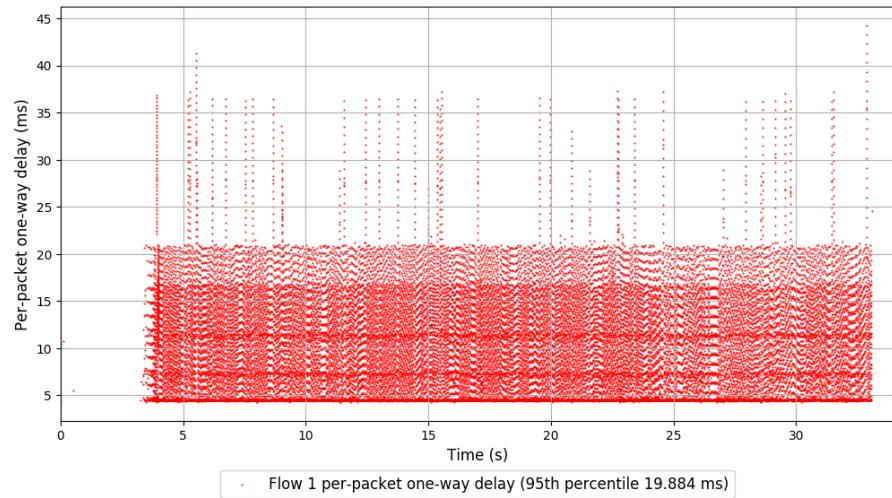
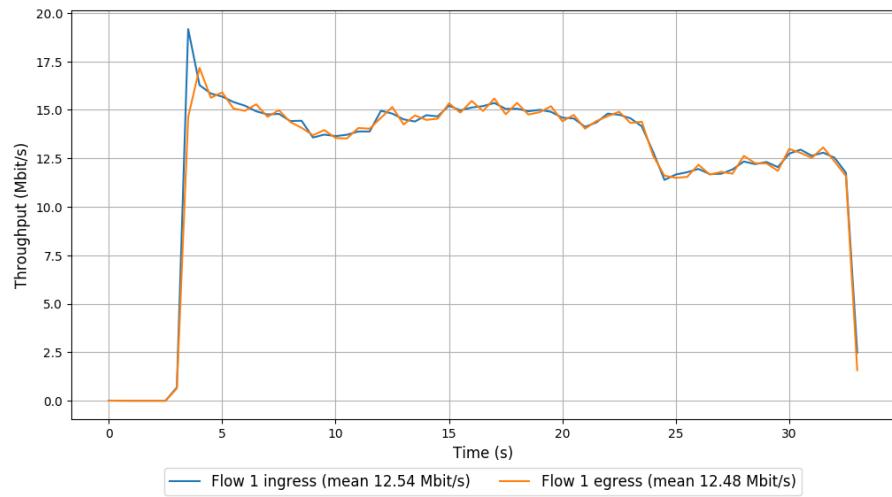


Run 9: Statistics of PCC

```
Start at: Wed, 14 Jun 2017 00:10:52 +0000
End at: Wed, 14 Jun 2017 00:11:22 +0000
Local clock offset: 6.599 ms
Remote clock offset: -0.794 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:46:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 19.884 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 19.884 ms
Loss rate: 0.62%
```

### Run 9: Report of PCC — Data Link

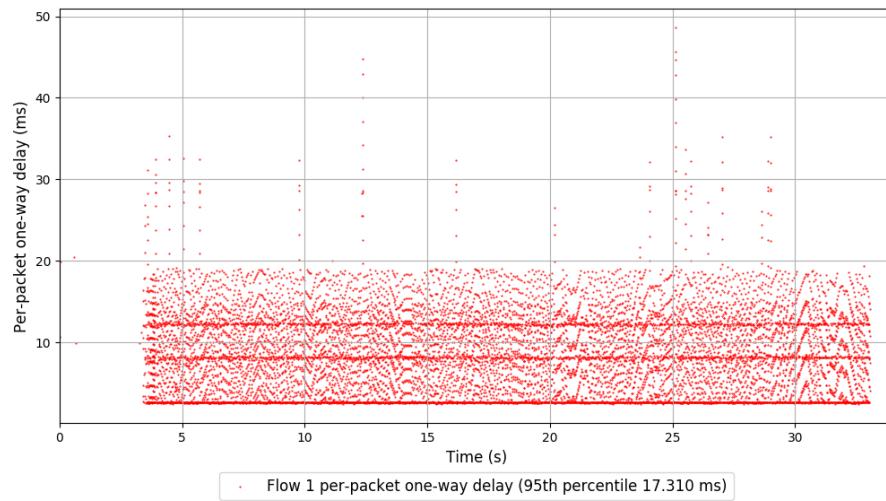
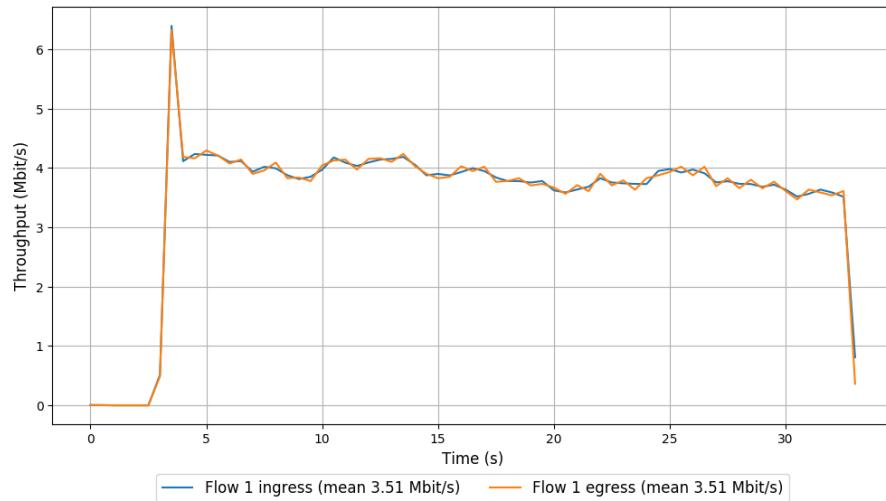


Run 10: Statistics of PCC

```
Start at: Wed, 14 Jun 2017 00:29:25 +0000
End at: Wed, 14 Jun 2017 00:29:55 +0000
Local clock offset: 11.759 ms
Remote clock offset: 0.436 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:46:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 17.310 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 17.310 ms
Loss rate: 0.20%
```

## Run 10: Report of PCC — Data Link



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

```
Start at: Tue, 13 Jun 2017 21:33:30 +0000
```

```
End at: Tue, 13 Jun 2017 21:34:01 +0000
```

```
Local clock offset: 6.129 ms
```

```
Remote clock offset: 1.605 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 02:46:19 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 9.03 Mbit/s
```

```
95th percentile per-packet one-way delay: 32.537 ms
```

```
Loss rate: 1.78%
```

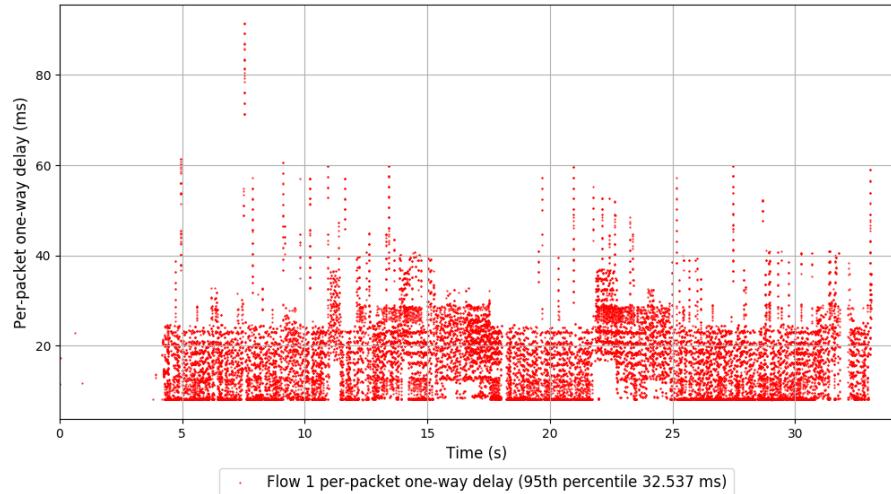
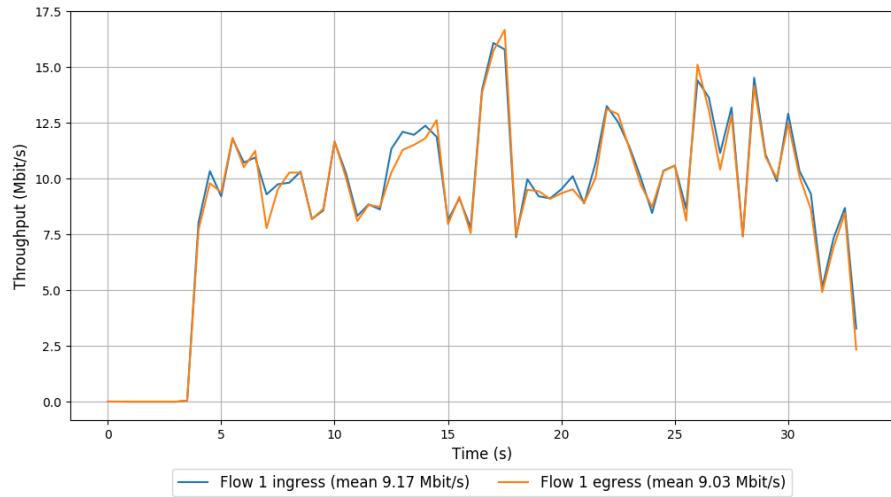
```
-- Flow 1:
```

```
Average throughput: 9.03 Mbit/s
```

```
95th percentile per-packet one-way delay: 32.537 ms
```

```
Loss rate: 1.78%
```

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

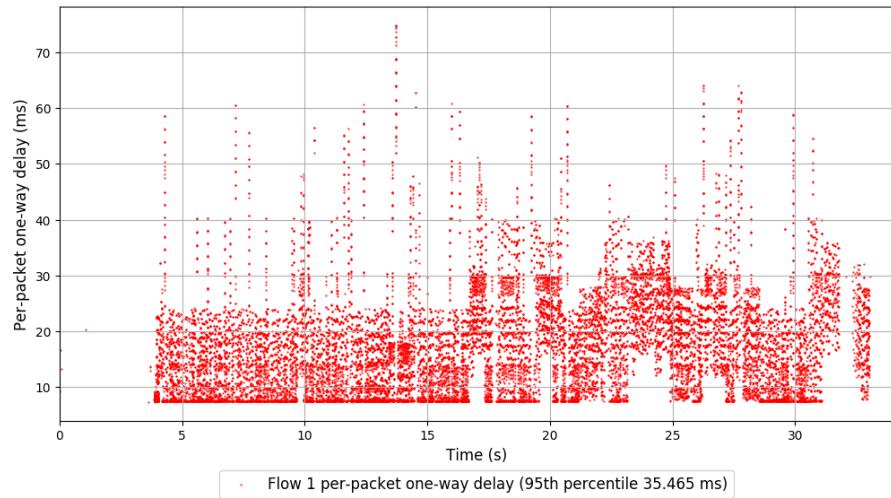
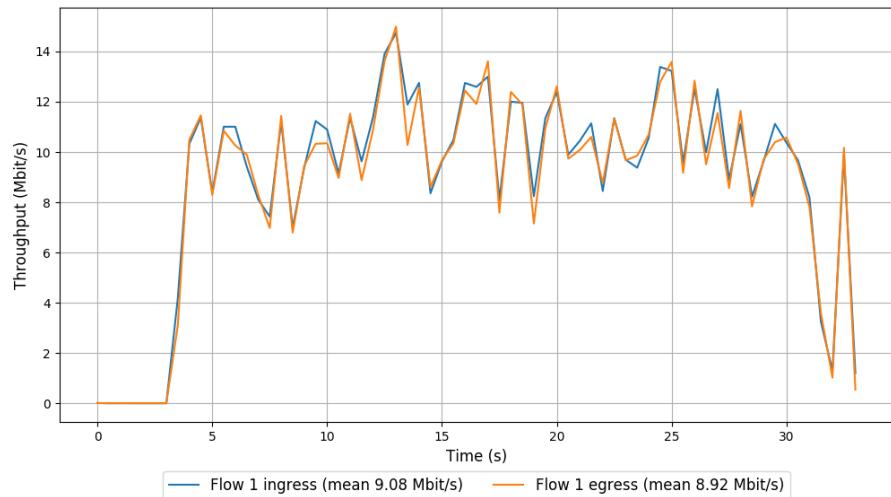


Run 2: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 21:52:12 +0000
End at: Tue, 13 Jun 2017 21:52:42 +0000
Local clock offset: 3.549 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:46:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.92 Mbit/s
95th percentile per-packet one-way delay: 35.465 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 8.92 Mbit/s
95th percentile per-packet one-way delay: 35.465 ms
Loss rate: 1.86%
```

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

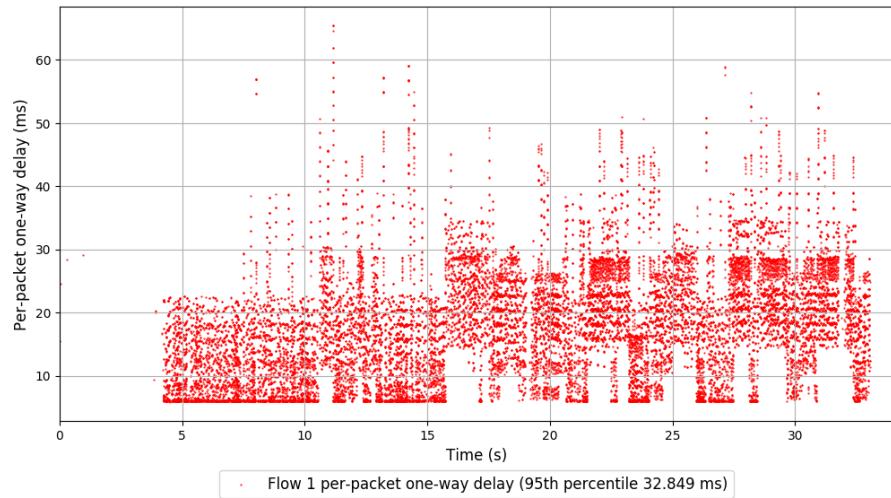
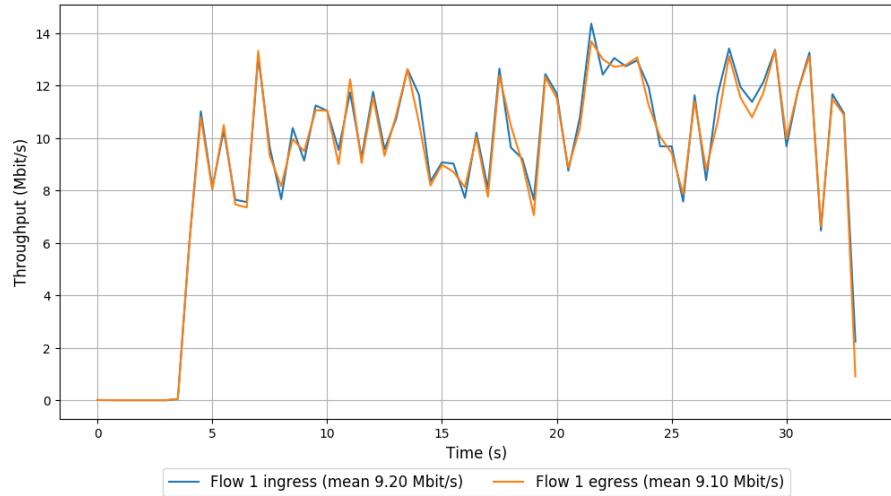


Run 3: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 22:10:43 +0000
End at: Tue, 13 Jun 2017 22:11:13 +0000
Local clock offset: 7.384 ms
Remote clock offset: 1.021 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:46:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 32.849 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 9.10 Mbit/s
95th percentile per-packet one-way delay: 32.849 ms
Loss rate: 1.28%
```

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

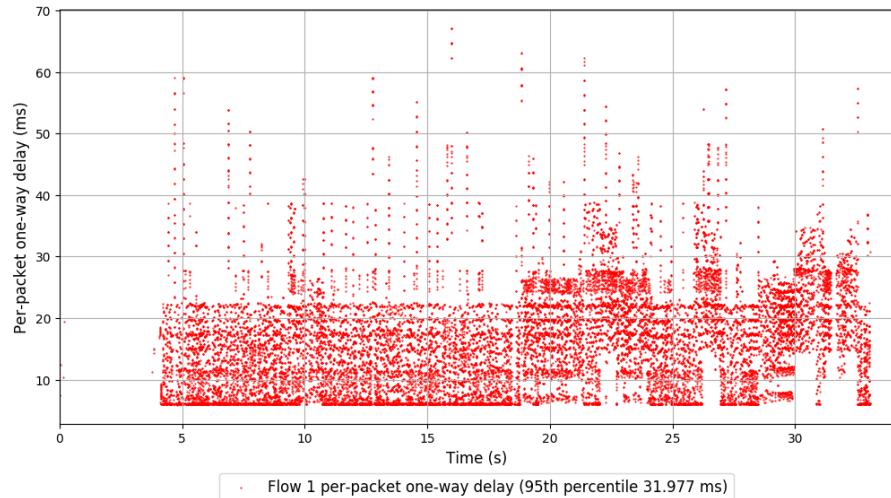
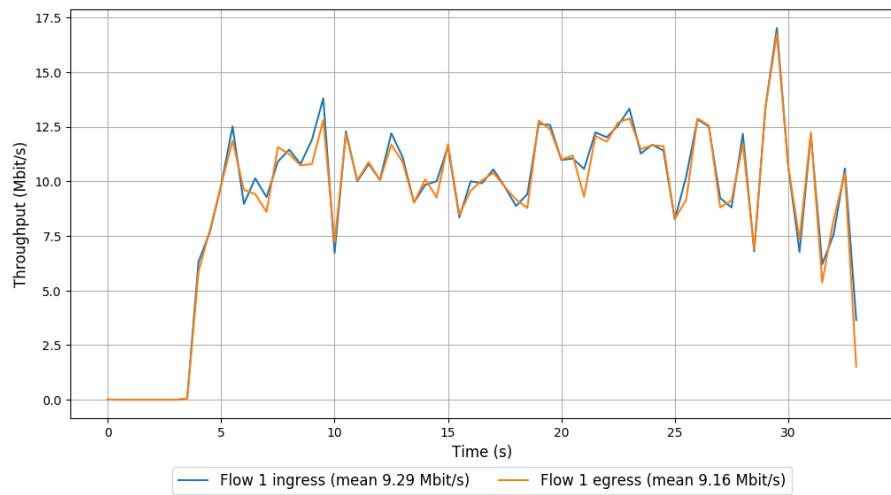


Run 4: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 22:29:18 +0000
End at: Tue, 13 Jun 2017 22:29:48 +0000
Local clock offset: 2.632 ms
Remote clock offset: 1.02 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:46:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 31.977 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 9.16 Mbit/s
95th percentile per-packet one-way delay: 31.977 ms
Loss rate: 1.59%
```

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

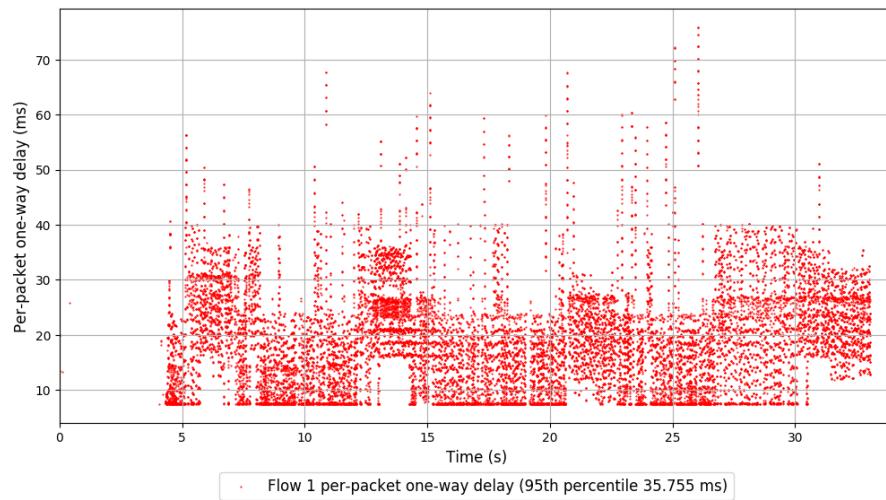
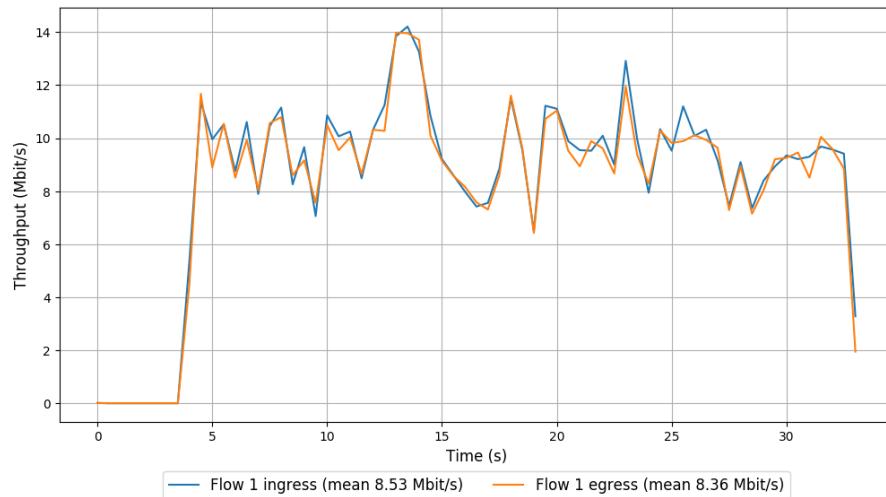


Run 5: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 22:47:27 +0000
End at: Tue, 13 Jun 2017 22:47:57 +0000
Local clock offset: 0.242 ms
Remote clock offset: 0.345 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:46:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 35.755 ms
Loss rate: 2.06%
-- Flow 1:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 35.755 ms
Loss rate: 2.06%
```

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

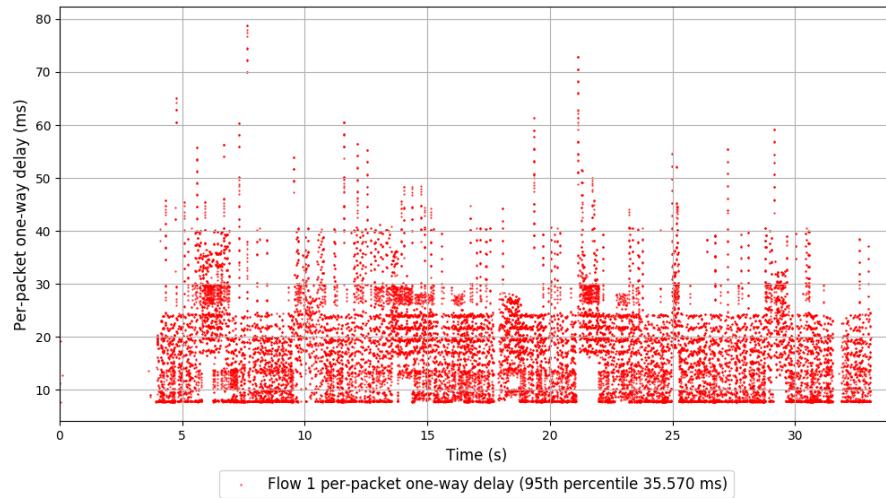
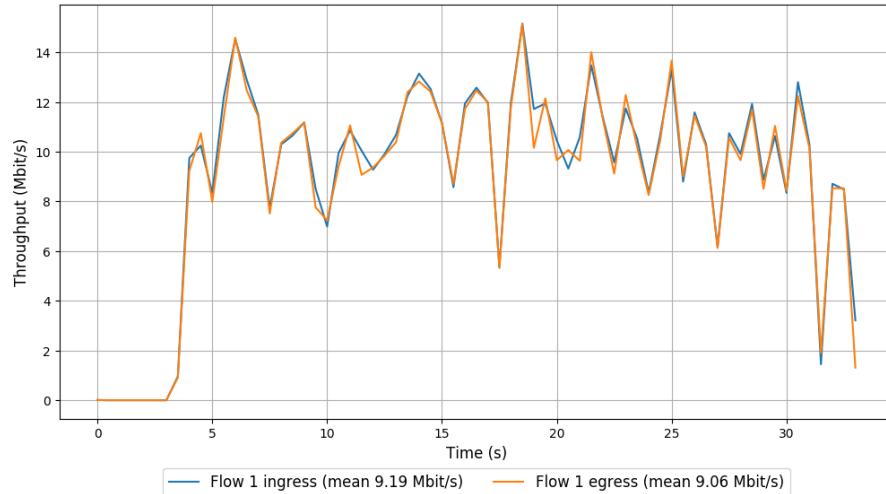


Run 6: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 23:05:52 +0000
End at: Tue, 13 Jun 2017 23:06:22 +0000
Local clock offset: 3.935 ms
Remote clock offset: -0.962 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:46:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 35.570 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 9.06 Mbit/s
95th percentile per-packet one-way delay: 35.570 ms
Loss rate: 1.57%
```

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

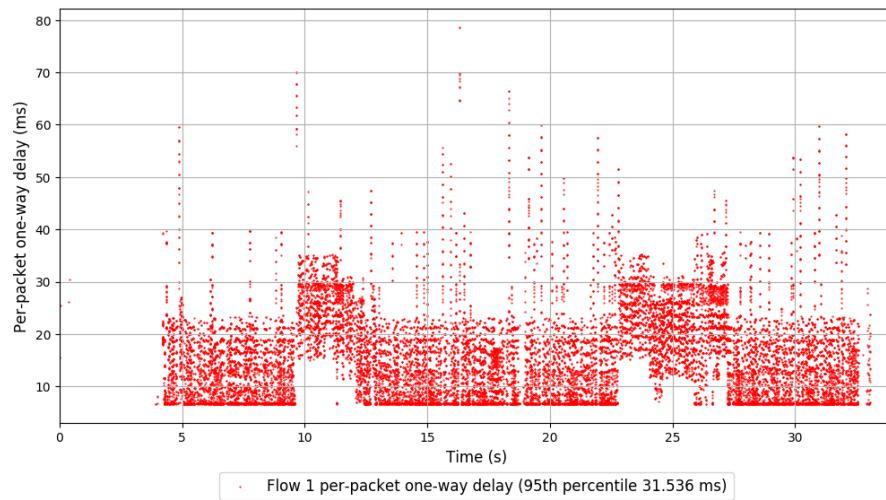
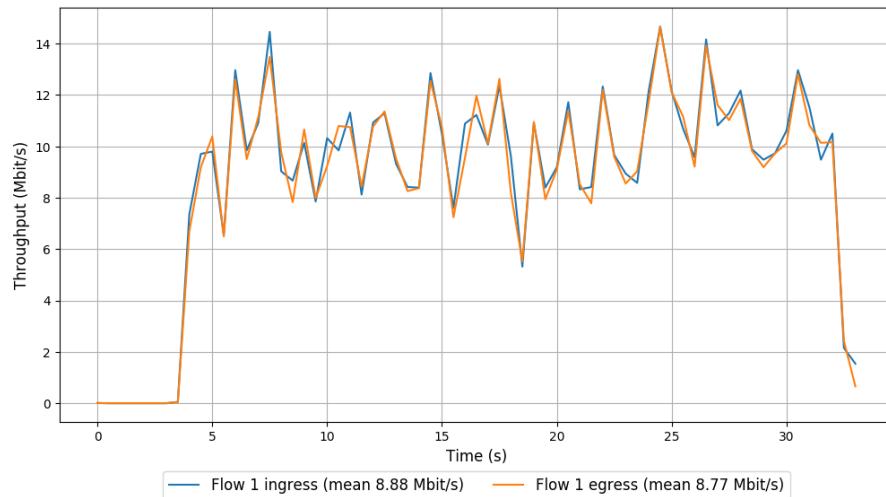


Run 7: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 23:24:20 +0000
End at: Tue, 13 Jun 2017 23:24:50 +0000
Local clock offset: 4.537 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:46:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 31.536 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 31.536 ms
Loss rate: 1.31%
```

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

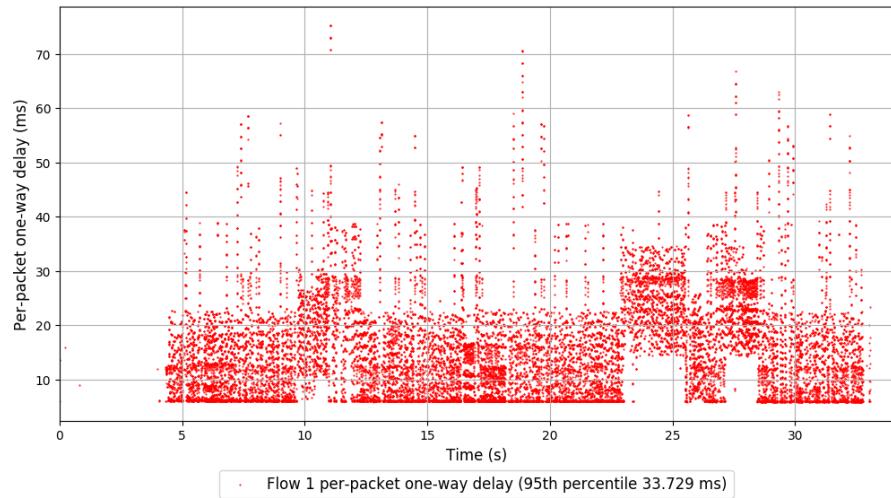
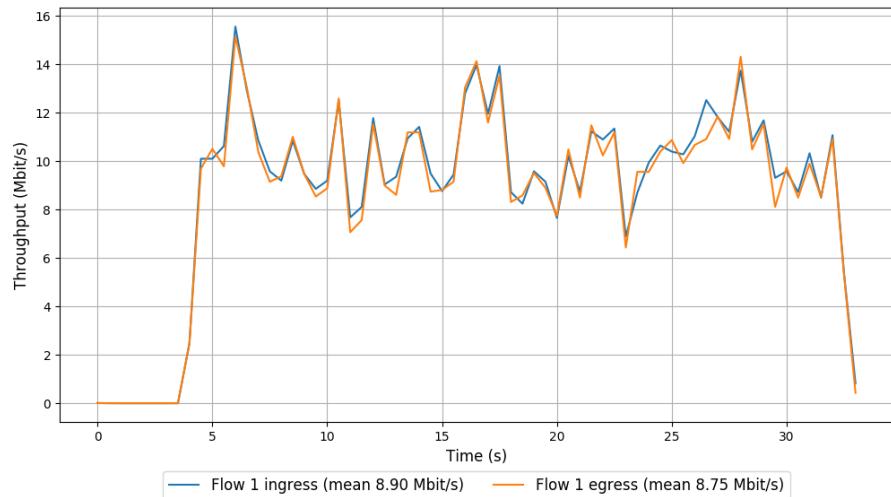


Run 8: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 13 Jun 2017 23:42:45 +0000
End at: Tue, 13 Jun 2017 23:43:15 +0000
Local clock offset: 2.409 ms
Remote clock offset: 1.345 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:47:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 33.729 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 33.729 ms
Loss rate: 1.88%
```

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

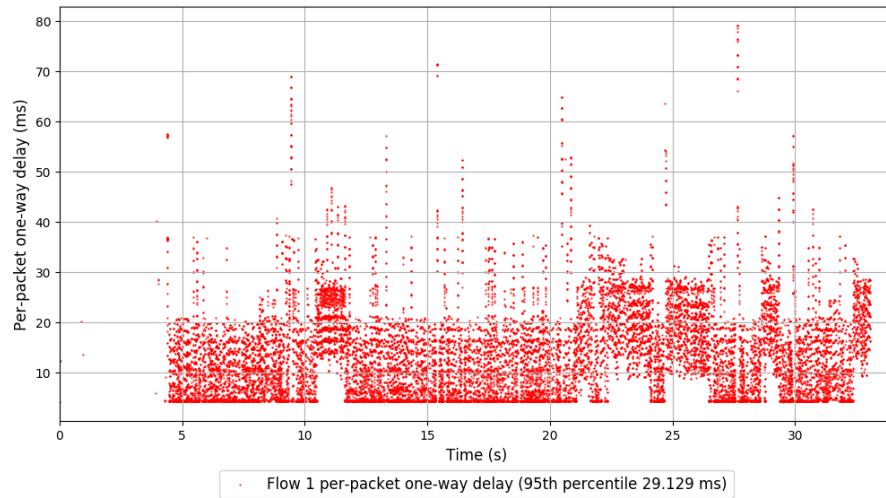
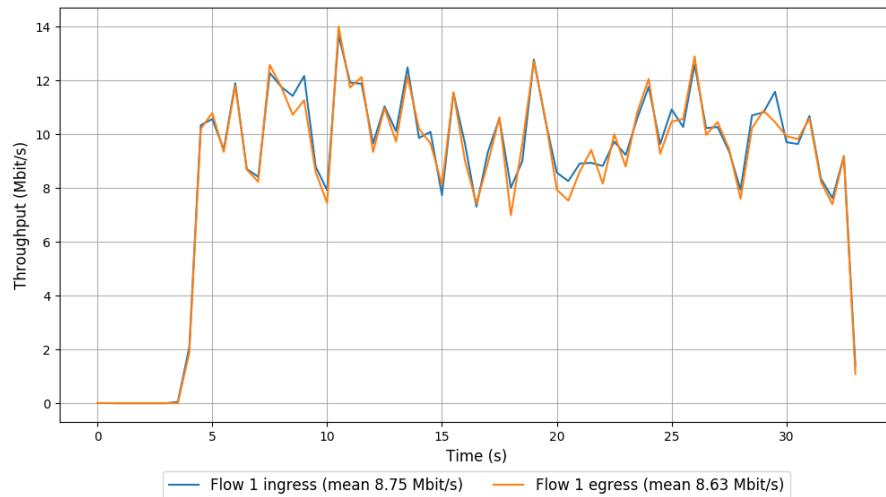


Run 9: Statistics of QUIC Cubic (toy)

```
Start at: Wed, 14 Jun 2017 00:01:00 +0000
End at: Wed, 14 Jun 2017 00:01:30 +0000
Local clock offset: 3.113 ms
Remote clock offset: 1.272 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:47:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: 29.129 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: 29.129 ms
Loss rate: 1.39%
```

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

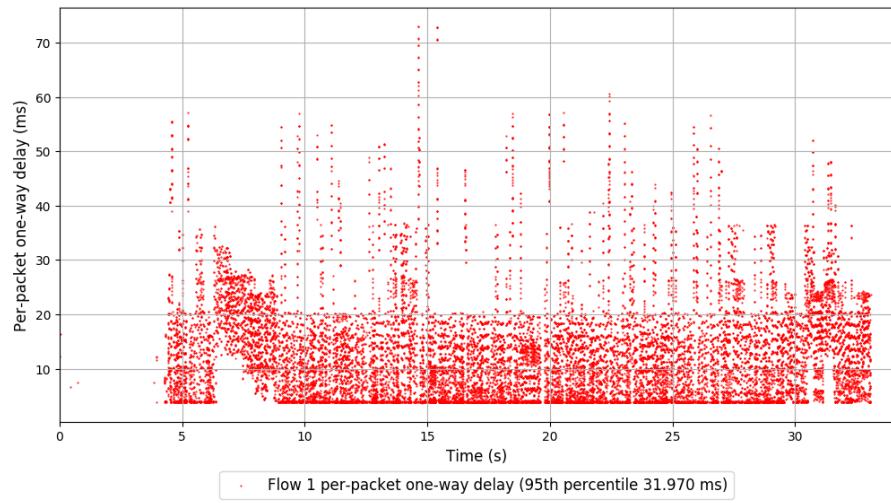
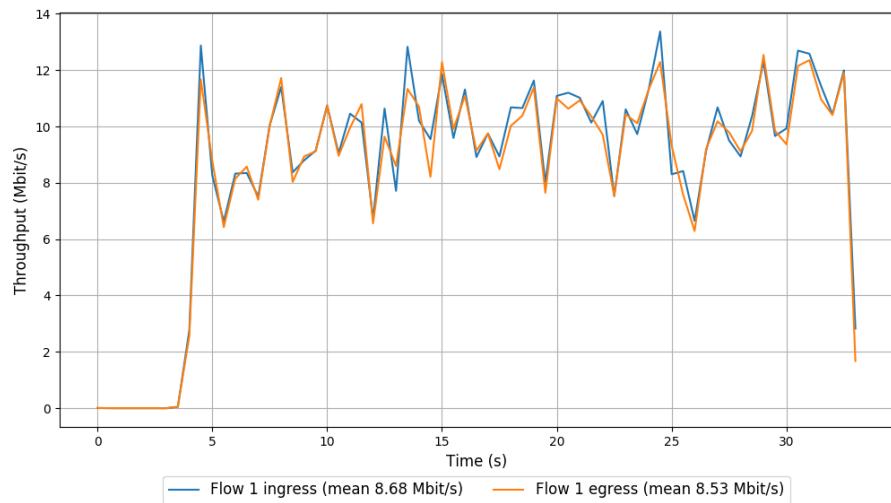


Run 10: Statistics of QUIC Cubic (toy)

```
Start at: Wed, 14 Jun 2017 00:19:41 +0000
End at: Wed, 14 Jun 2017 00:20:11 +0000
Local clock offset: 5.404 ms
Remote clock offset: 0.267 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:47:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 31.970 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 31.970 ms
Loss rate: 1.88%
```

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

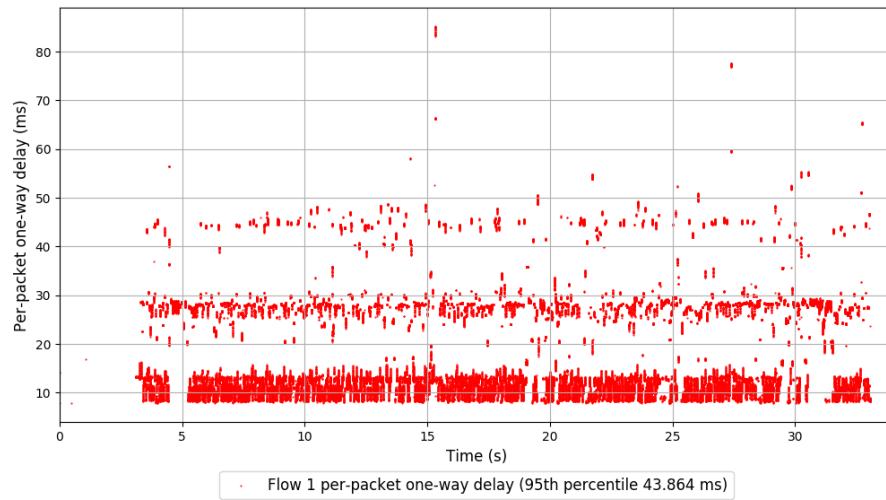
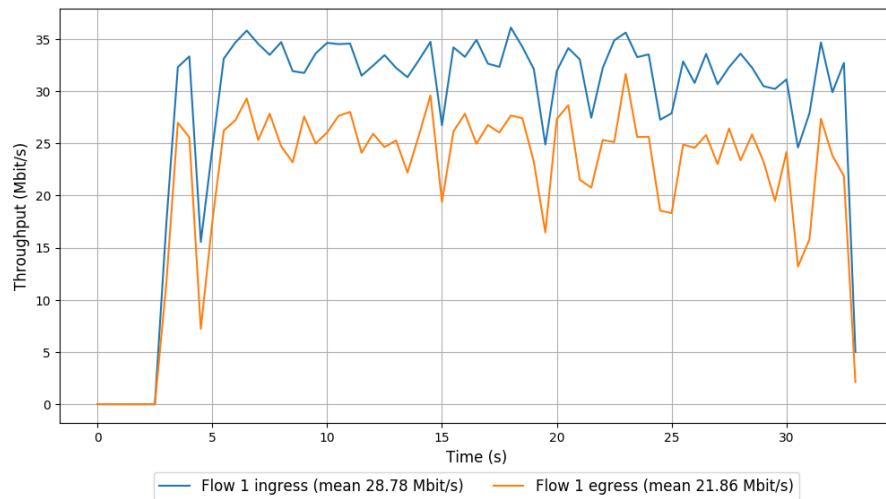


Run 1: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 21:41:59 +0000
End at: Tue, 13 Jun 2017 21:42:29 +0000
Local clock offset: -0.56 ms
Remote clock offset: 0.15 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:47:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 43.864 ms
Loss rate: 24.18%
-- Flow 1:
Average throughput: 21.86 Mbit/s
95th percentile per-packet one-way delay: 43.864 ms
Loss rate: 24.18%
```

Run 1: Report of Saturator — Data Link

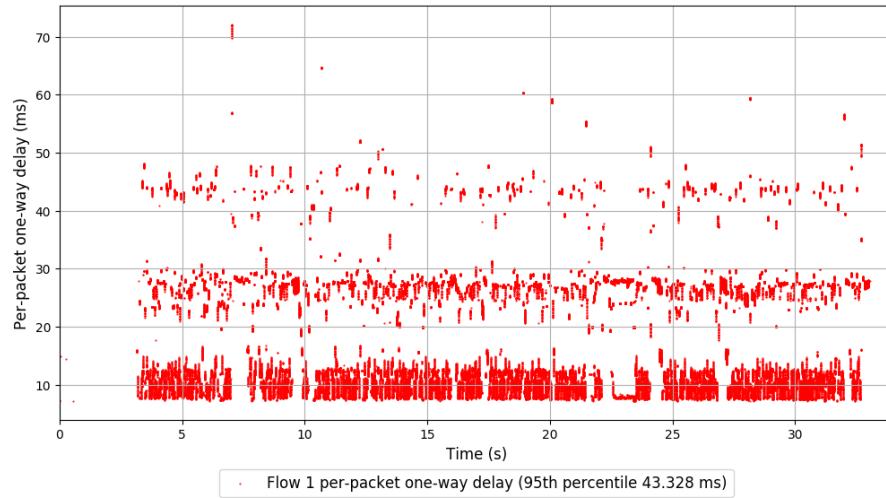
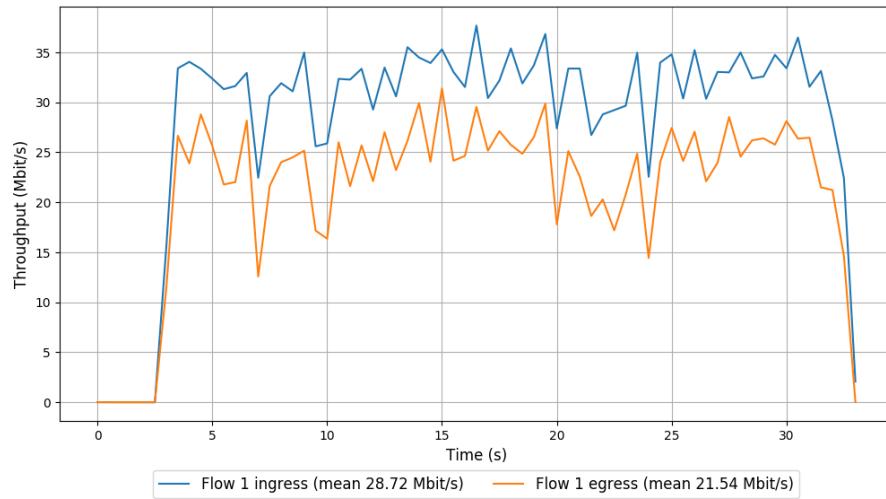


Run 2: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 22:00:33 +0000
End at: Tue, 13 Jun 2017 22:01:03 +0000
Local clock offset: -0.52 ms
Remote clock offset: 0.321 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:47:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 43.328 ms
Loss rate: 24.98%
-- Flow 1:
Average throughput: 21.54 Mbit/s
95th percentile per-packet one-way delay: 43.328 ms
Loss rate: 24.98%
```

Run 2: Report of Saturator — Data Link

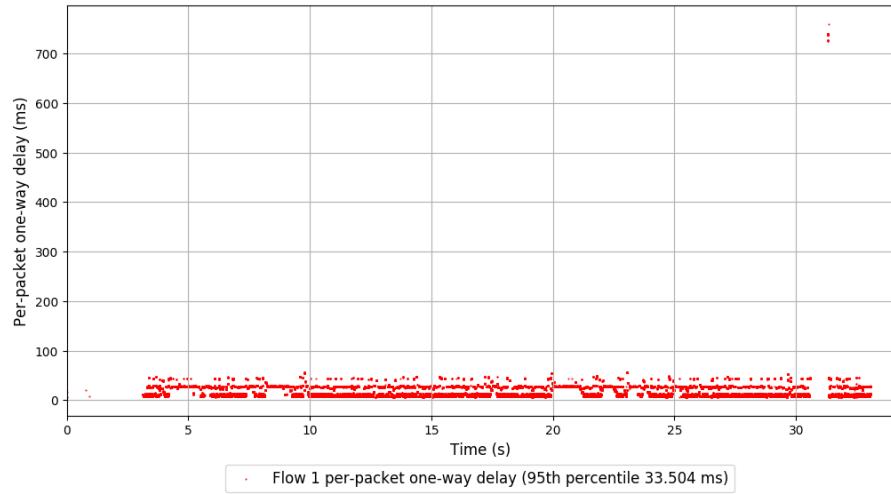
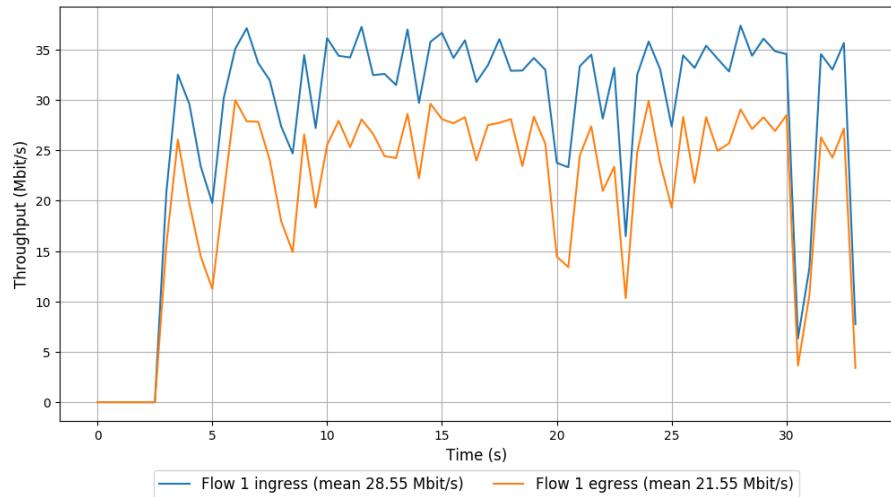


Run 3: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 22:19:10 +0000
End at: Tue, 13 Jun 2017 22:19:40 +0000
Local clock offset: 5.496 ms
Remote clock offset: 1.173 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:47:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 33.504 ms
Loss rate: 24.61%
-- Flow 1:
Average throughput: 21.55 Mbit/s
95th percentile per-packet one-way delay: 33.504 ms
Loss rate: 24.61%
```

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

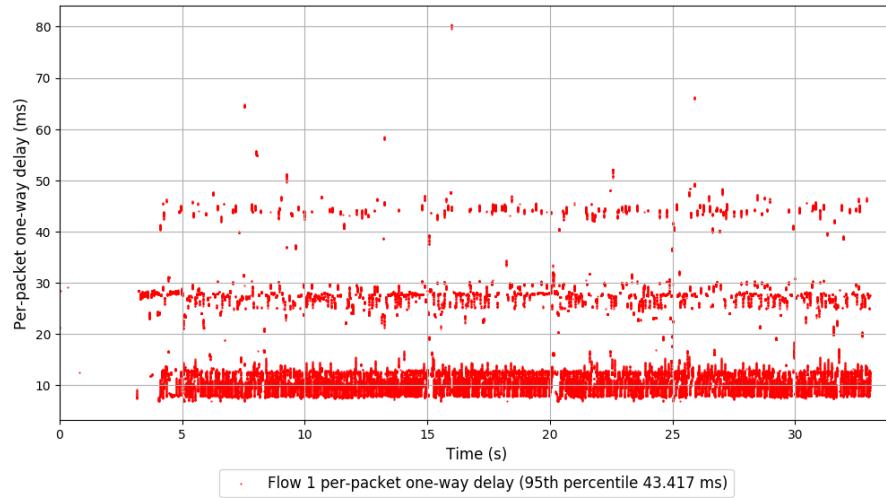
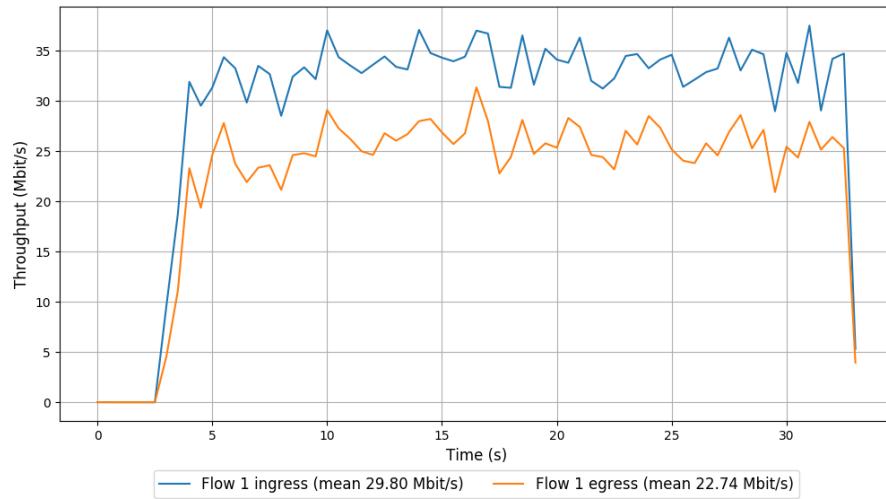


Run 4: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 22:37:43 +0000
End at: Tue, 13 Jun 2017 22:38:13 +0000
Local clock offset: 4.785 ms
Remote clock offset: 0.477 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:48:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.74 Mbit/s
95th percentile per-packet one-way delay: 43.417 ms
Loss rate: 23.82%
-- Flow 1:
Average throughput: 22.74 Mbit/s
95th percentile per-packet one-way delay: 43.417 ms
Loss rate: 23.82%
```

Run 4: Report of Saturator — Data Link

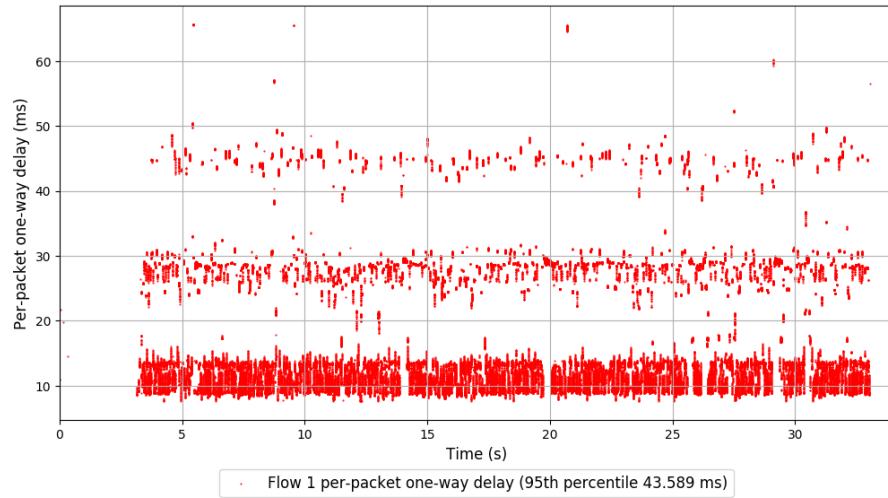
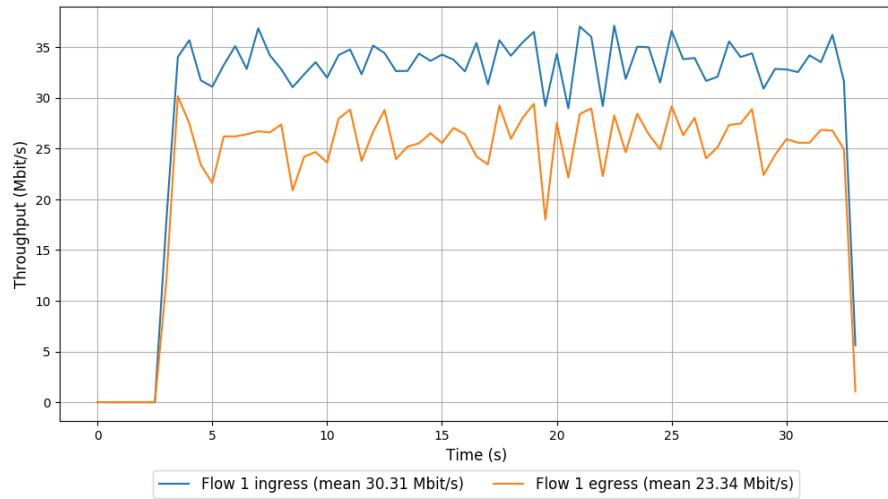


Run 5: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 22:55:51 +0000
End at: Tue, 13 Jun 2017 22:56:21 +0000
Local clock offset: 2.747 ms
Remote clock offset: -0.131 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:48:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.34 Mbit/s
95th percentile per-packet one-way delay: 43.589 ms
Loss rate: 23.02%
-- Flow 1:
Average throughput: 23.34 Mbit/s
95th percentile per-packet one-way delay: 43.589 ms
Loss rate: 23.02%
```

Run 5: Report of Saturator — Data Link

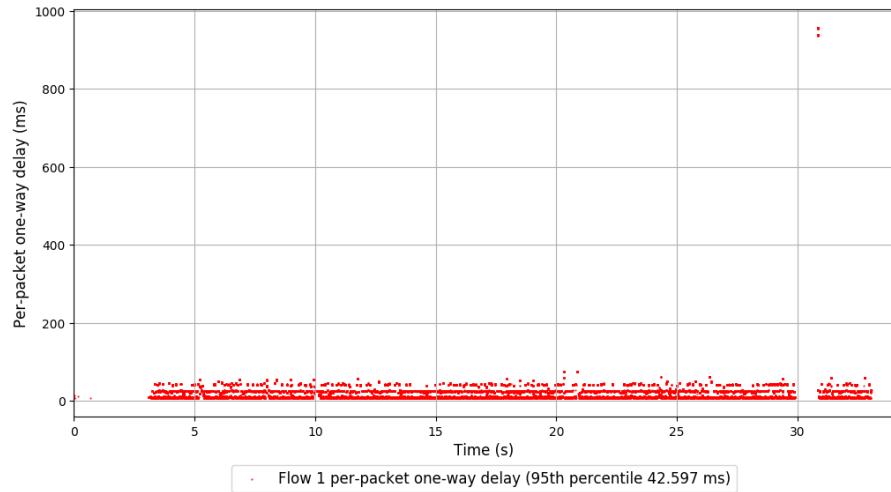
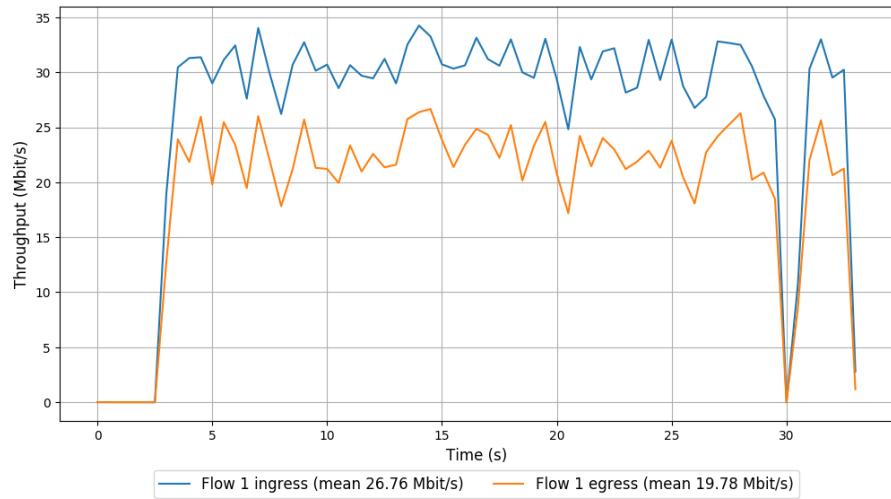


Run 6: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 23:14:16 +0000
End at: Tue, 13 Jun 2017 23:14:46 +0000
Local clock offset: -5.07 ms
Remote clock offset: 0.603 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:48:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 42.597 ms
Loss rate: 26.14%
-- Flow 1:
Average throughput: 19.78 Mbit/s
95th percentile per-packet one-way delay: 42.597 ms
Loss rate: 26.14%
```

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Tue, 13 Jun 2017 23:32:43 +0000

End at: Tue, 13 Jun 2017 23:33:13 +0000

Local clock offset: 1.814 ms

Remote clock offset: 0.223 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:48:33 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: 31.519 ms

Loss rate: 23.63%

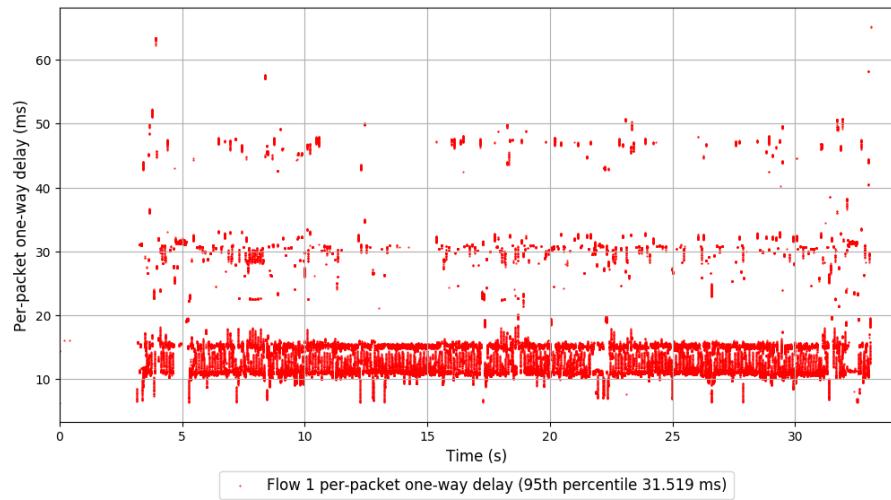
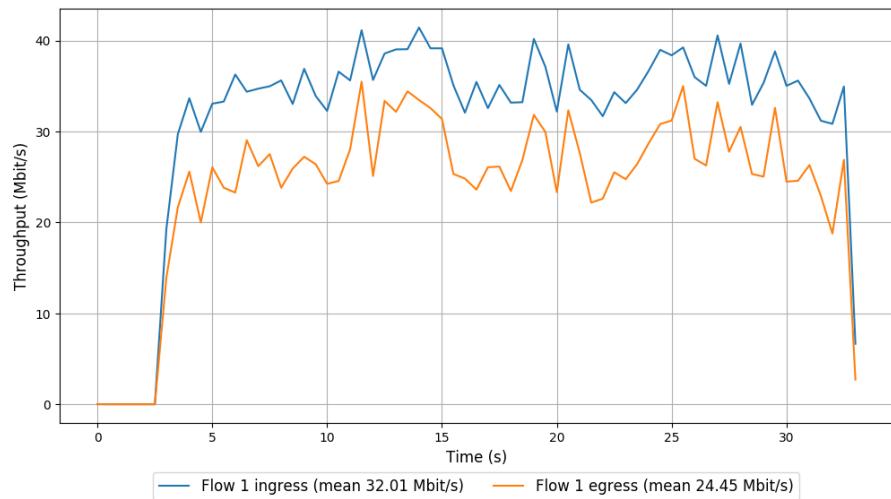
-- Flow 1:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: 31.519 ms

Loss rate: 23.63%

Run 7: Report of Saturator — Data Link

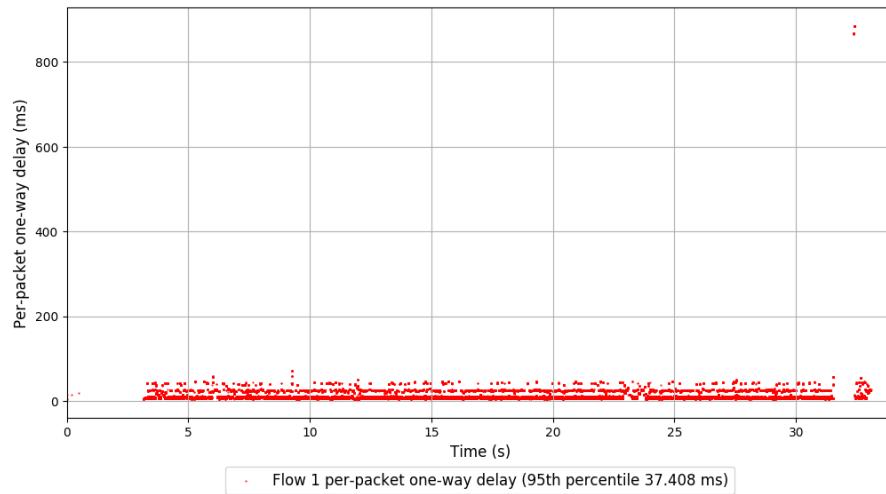
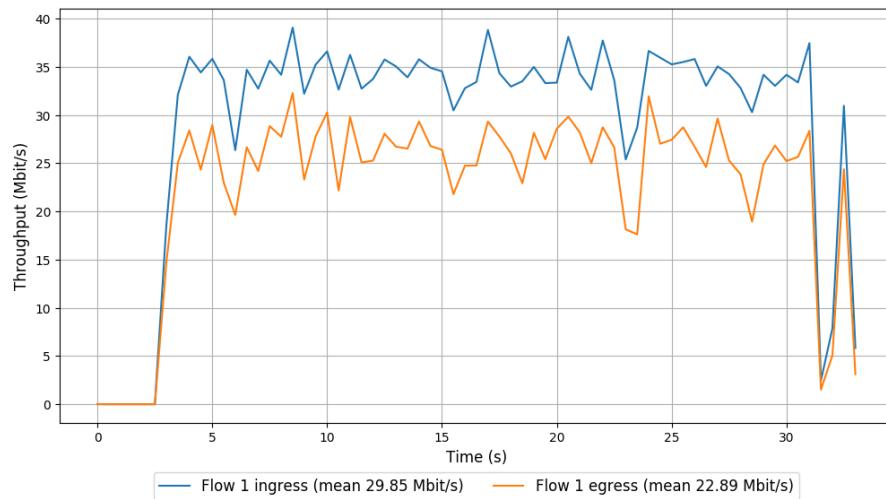


Run 8: Statistics of Saturator

```
Start at: Tue, 13 Jun 2017 23:51:09 +0000
End at: Tue, 13 Jun 2017 23:51:39 +0000
Local clock offset: 5.987 ms
Remote clock offset: 0.986 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:48:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 37.408 ms
Loss rate: 23.34%
-- Flow 1:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 37.408 ms
Loss rate: 23.34%
```

### Run 8: Report of Saturator — Data Link

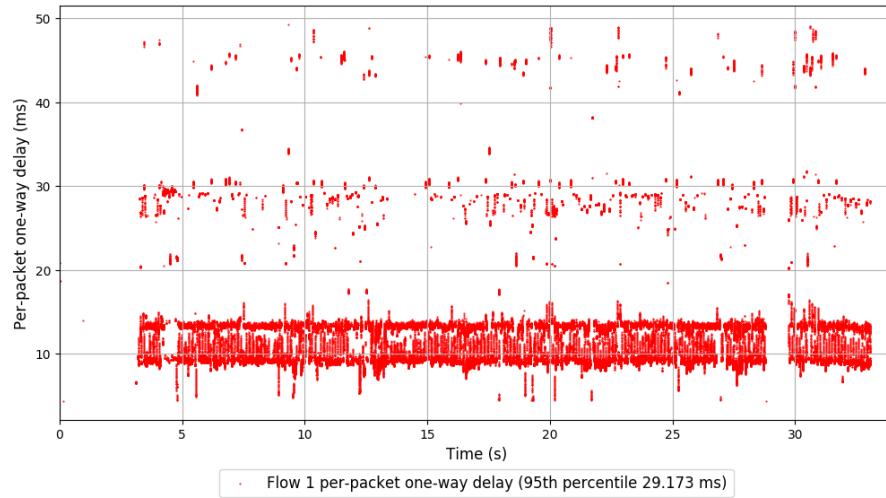
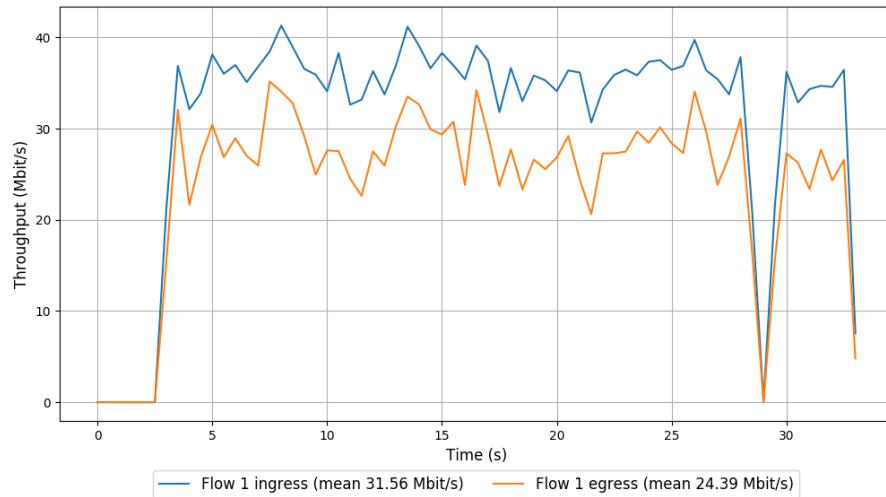


Run 9: Statistics of Saturator

```
Start at: Wed, 14 Jun 2017 00:09:31 +0000
End at: Wed, 14 Jun 2017 00:10:01 +0000
Local clock offset: 9.379 ms
Remote clock offset: 0.096 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:48:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 29.173 ms
Loss rate: 22.84%
-- Flow 1:
Average throughput: 24.39 Mbit/s
95th percentile per-packet one-way delay: 29.173 ms
Loss rate: 22.84%
```

Run 9: Report of Saturator — Data Link

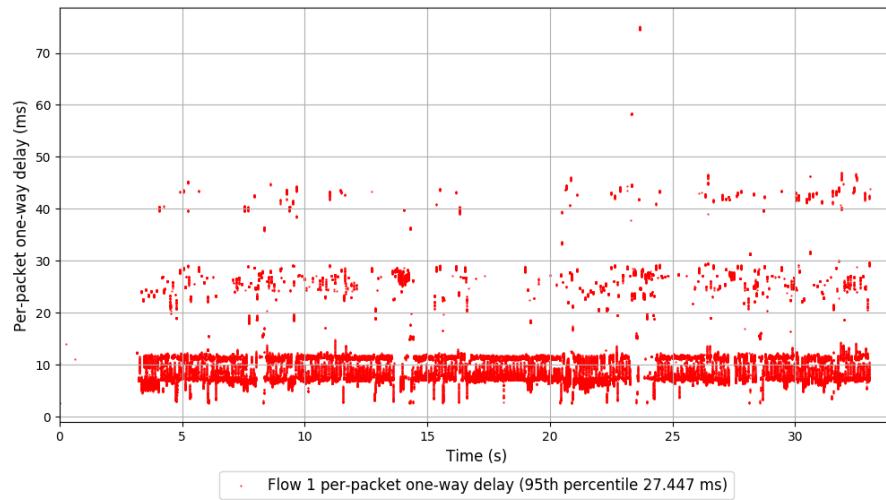
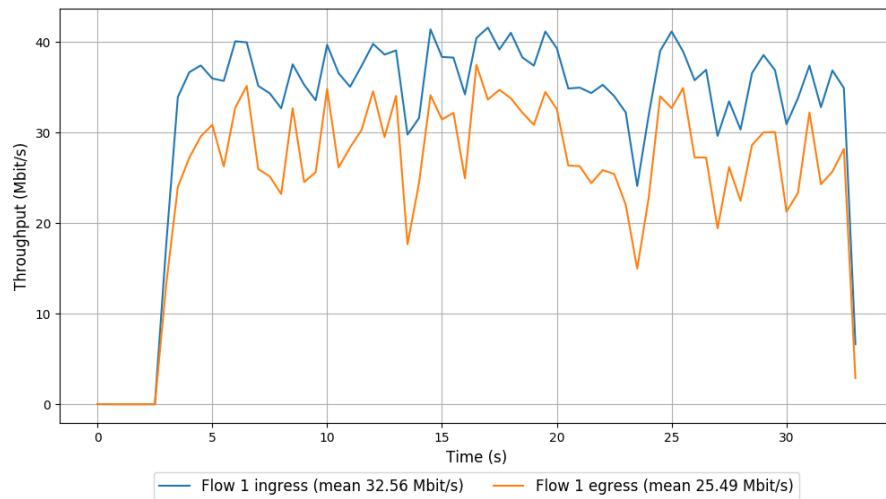


Run 10: Statistics of Saturator

```
Start at: Wed, 14 Jun 2017 00:28:03 +0000
End at: Wed, 14 Jun 2017 00:28:33 +0000
Local clock offset: 11.225 ms
Remote clock offset: -0.321 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:49:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.49 Mbit/s
95th percentile per-packet one-way delay: 27.447 ms
Loss rate: 21.75%
-- Flow 1:
Average throughput: 25.49 Mbit/s
95th percentile per-packet one-way delay: 27.447 ms
Loss rate: 21.75%
```

### Run 10: Report of Saturator — Data Link

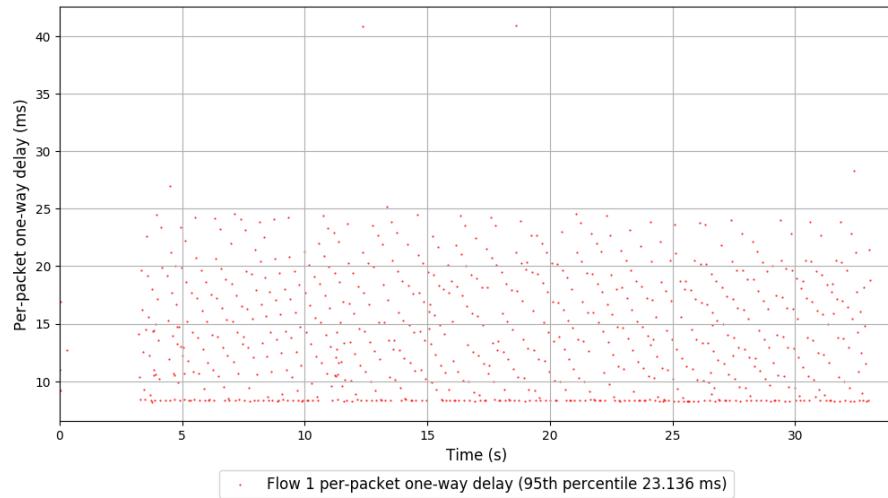
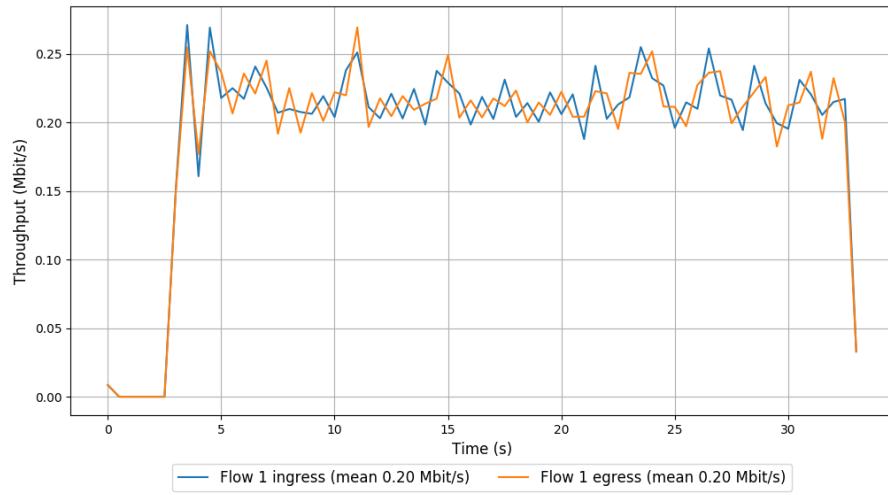


Run 1: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 21:31:06 +0000
End at: Tue, 13 Jun 2017 21:31:36 +0000
Local clock offset: 1.804 ms
Remote clock offset: 1.625 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:49:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 23.136 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 23.136 ms
Loss rate: 0.13%
```

Run 1: Report of SCReAM — Data Link

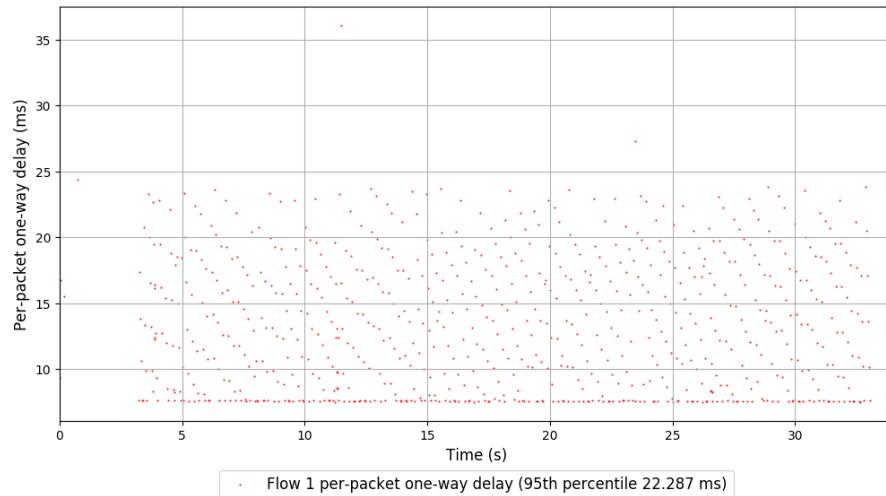
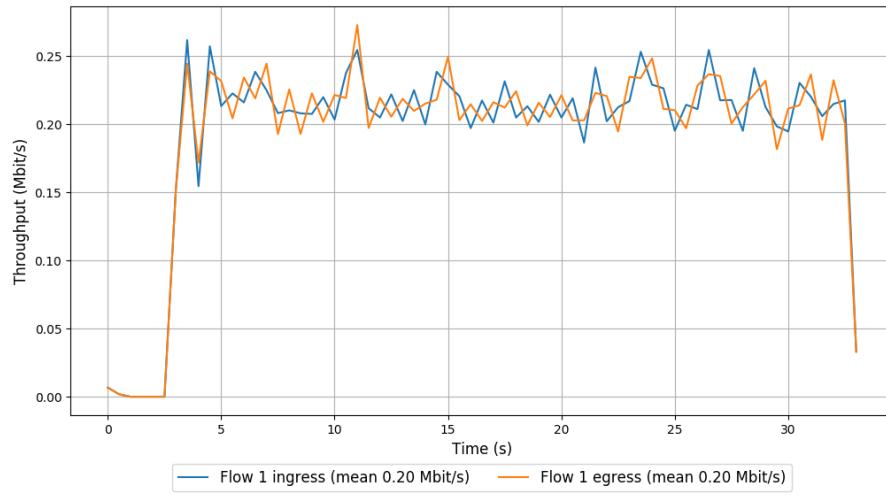


Run 2: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 21:49:47 +0000
End at: Tue, 13 Jun 2017 21:50:17 +0000
Local clock offset: 1.564 ms
Remote clock offset: 0.112 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:49:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 22.287 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 22.287 ms
Loss rate: 0.13%
```

Run 2: Report of SCReAM — Data Link

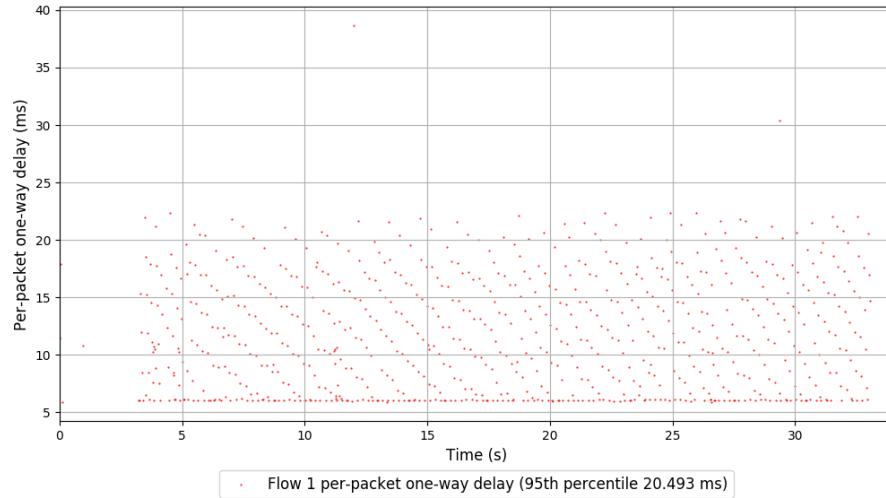
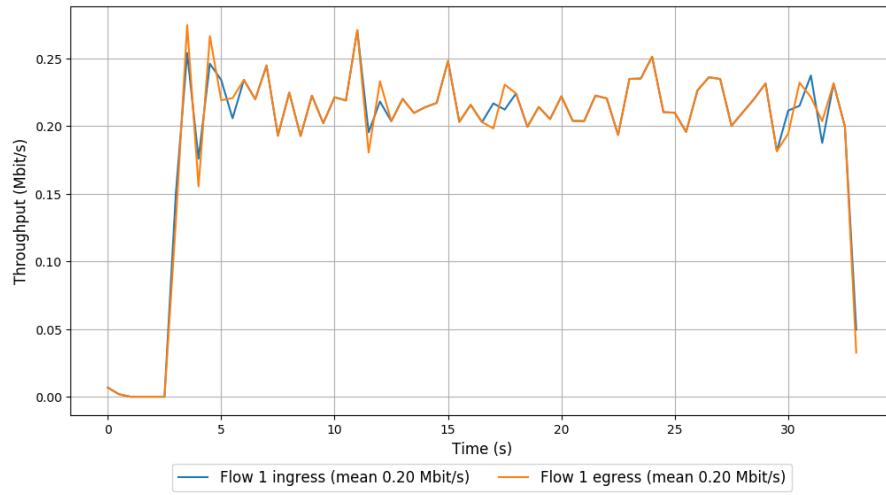


Run 3: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 22:08:12 +0000
End at: Tue, 13 Jun 2017 22:08:42 +0000
Local clock offset: -3.357 ms
Remote clock offset: 0.757 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:49:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 20.493 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 20.493 ms
Loss rate: 0.13%
```

Run 3: Report of SCReAM — Data Link

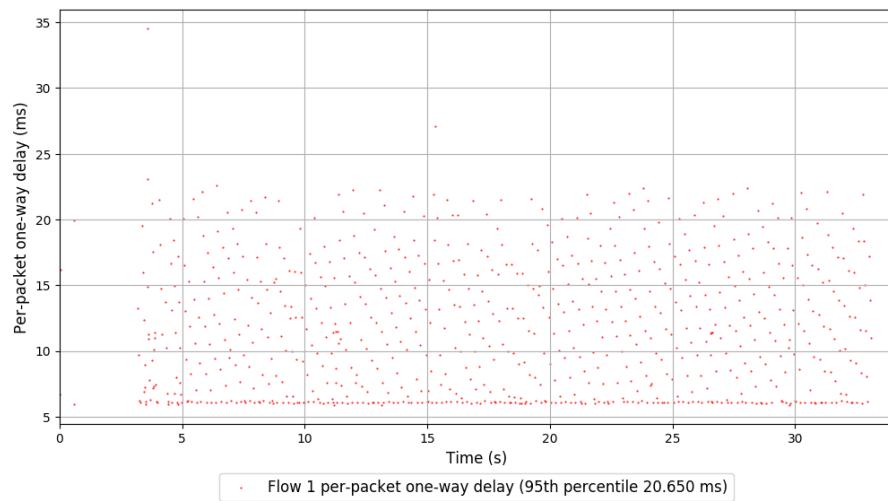
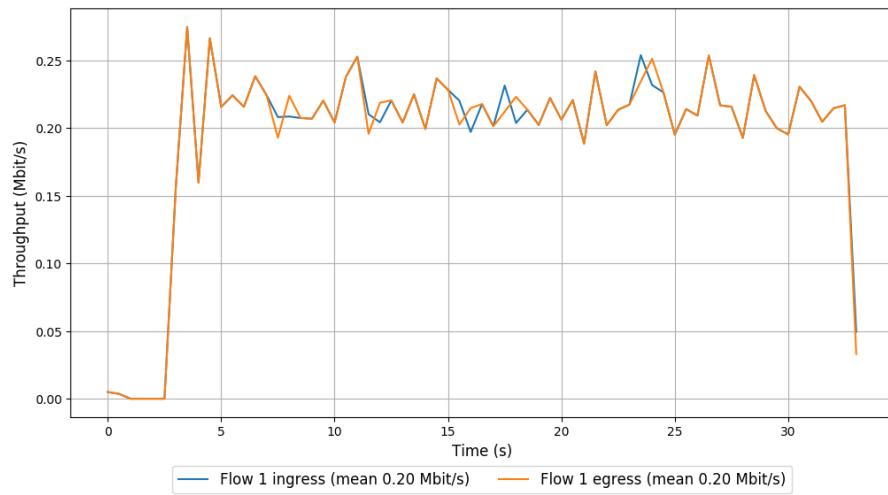


Run 4: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 22:26:52 +0000
End at: Tue, 13 Jun 2017 22:27:22 +0000
Local clock offset: 7.642 ms
Remote clock offset: -0.671 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:49:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 20.650 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 20.650 ms
Loss rate: 0.13%
```

Run 4: Report of SCReAM — Data Link

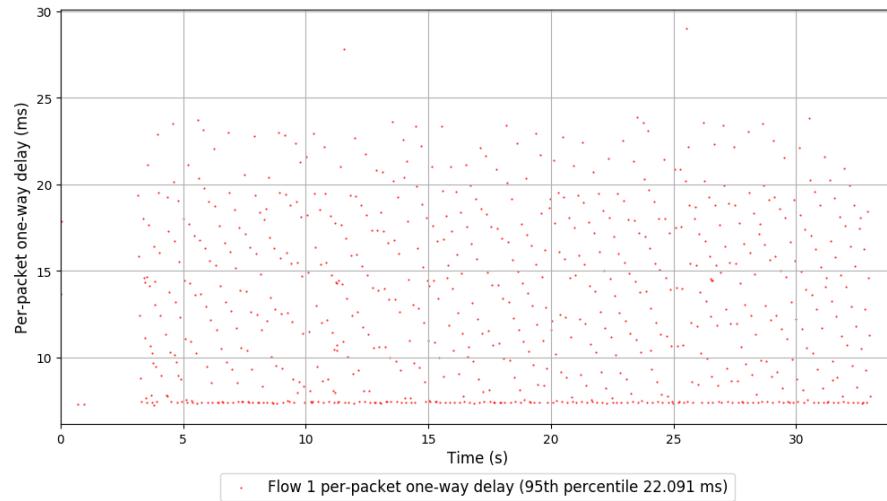
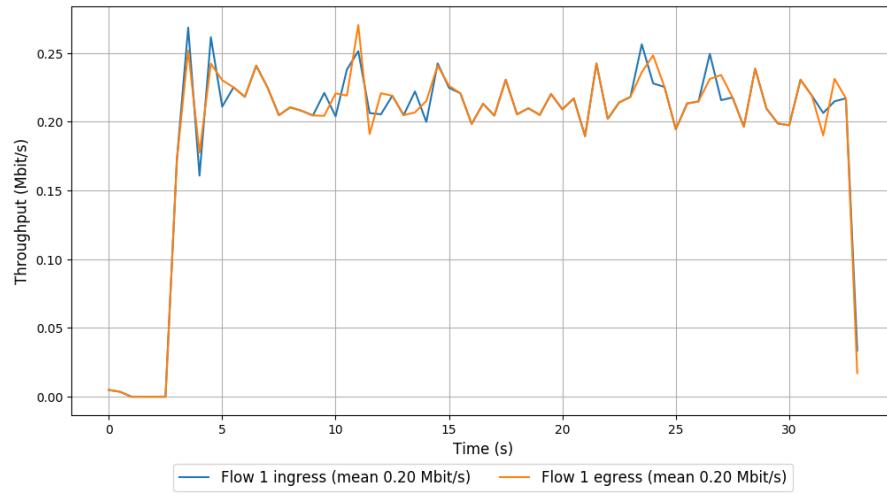


Run 5: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 22:45:02 +0000
End at: Tue, 13 Jun 2017 22:45:32 +0000
Local clock offset: 7.221 ms
Remote clock offset: 0.89 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:49:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 22.091 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 22.091 ms
Loss rate: 0.13%
```

Run 5: Report of SCReAM — Data Link

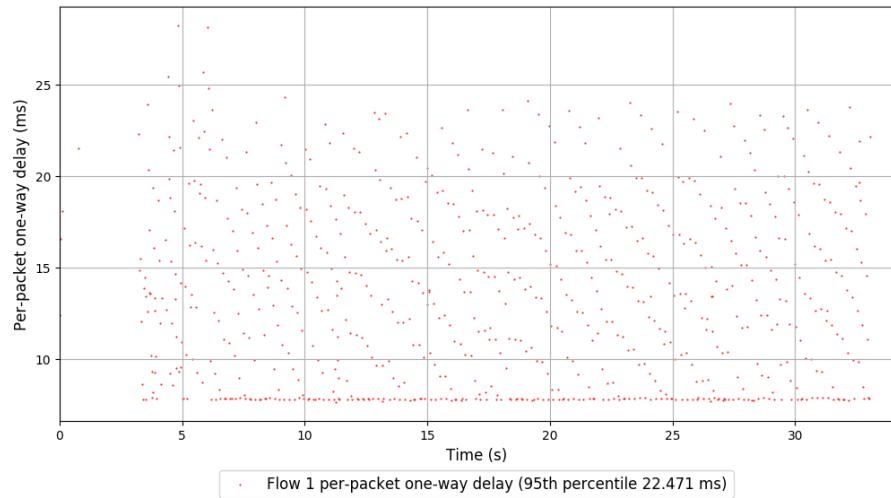
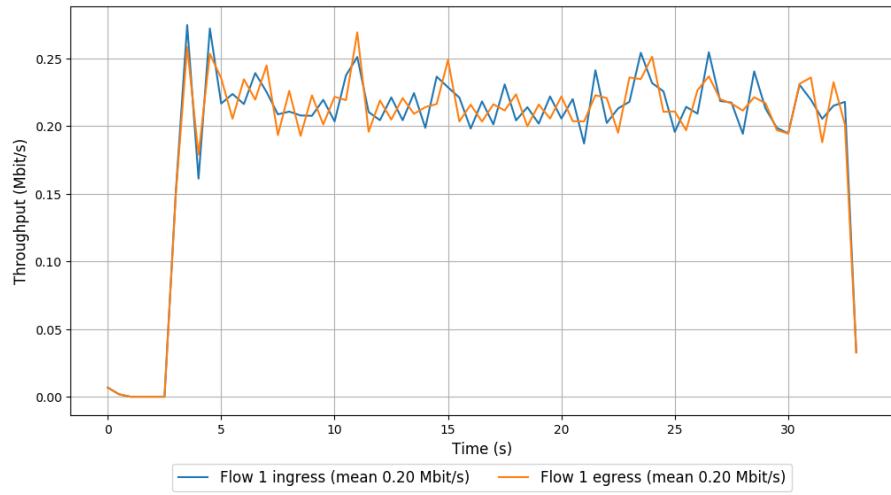


Run 6: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 23:03:28 +0000
End at: Tue, 13 Jun 2017 23:03:59 +0000
Local clock offset: 5.993 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:49:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 22.471 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 22.471 ms
Loss rate: 0.13%
```

Run 6: Report of SCReAM — Data Link

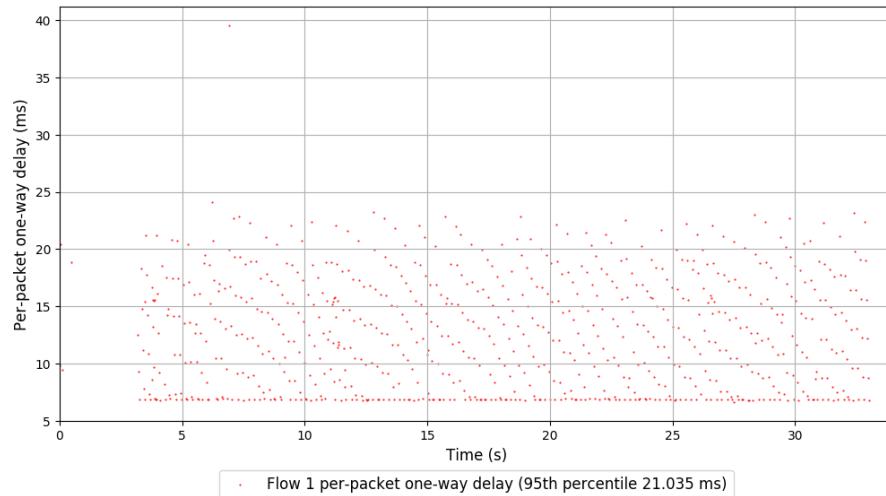
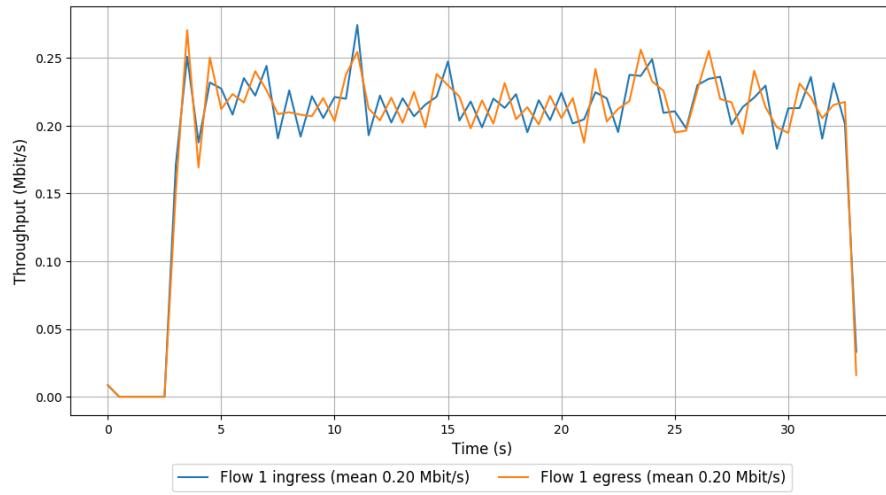


Run 7: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 23:22:03 +0000
End at: Tue, 13 Jun 2017 23:22:33 +0000
Local clock offset: 6.815 ms
Remote clock offset: -0.86 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:49:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 21.035 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 21.035 ms
Loss rate: 0.13%
```

Run 7: Report of SCReAM — Data Link

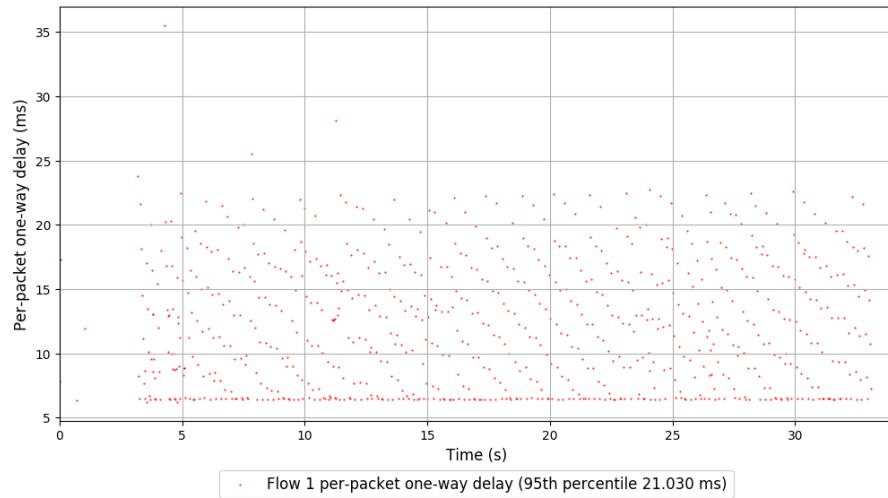
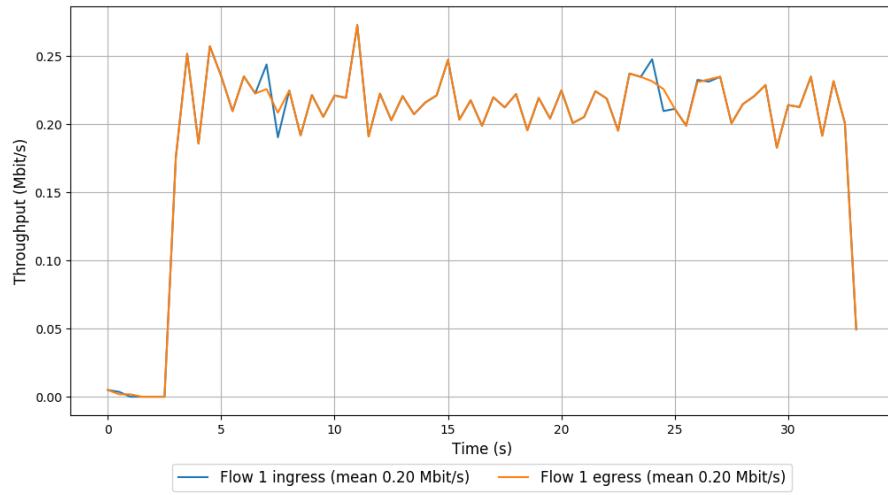


Run 8: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 23:40:21 +0000
End at: Tue, 13 Jun 2017 23:40:51 +0000
Local clock offset: -1.213 ms
Remote clock offset: 0.226 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:49:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 21.030 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 21.030 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

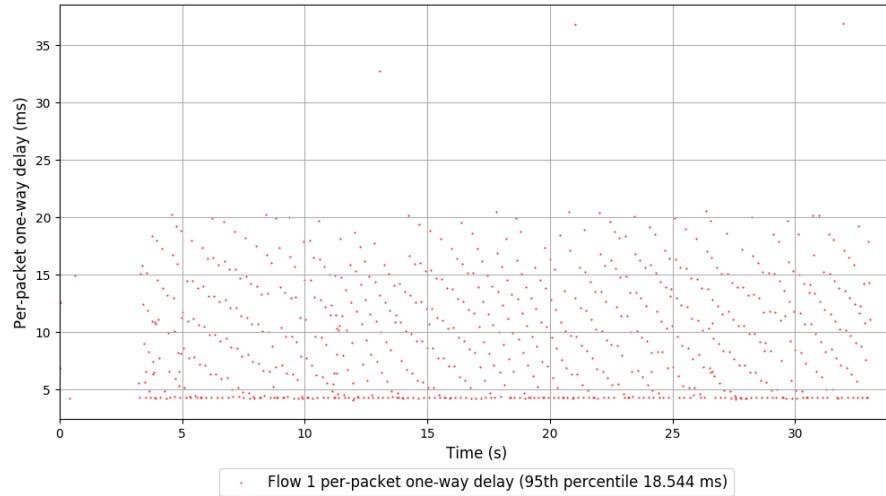
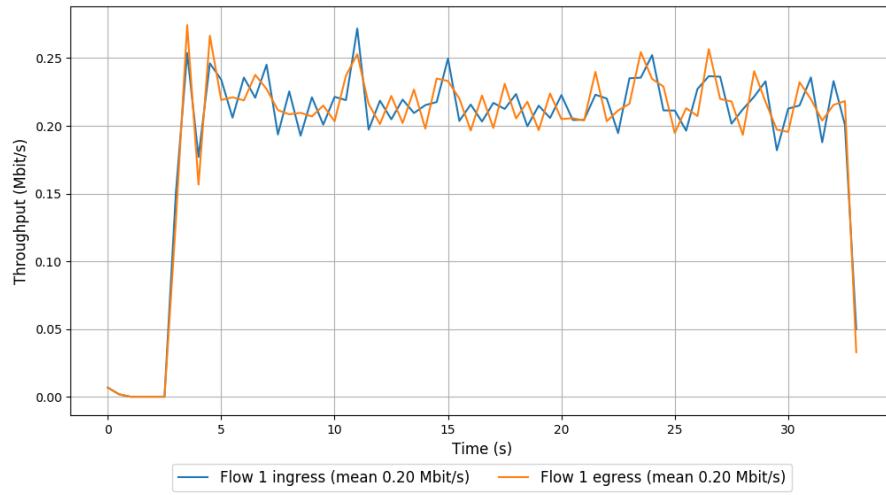


Run 9: Statistics of SCReAM

```
Start at: Tue, 13 Jun 2017 23:58:46 +0000
End at: Tue, 13 Jun 2017 23:59:16 +0000
Local clock offset: 9.149 ms
Remote clock offset: 0.405 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:49:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 18.544 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 18.544 ms
Loss rate: 0.13%
```

Run 9: Report of SCReAM — Data Link

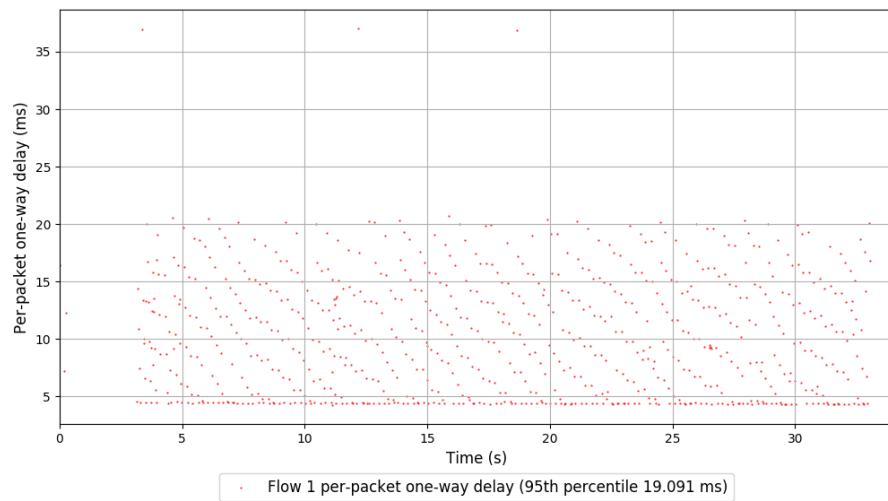
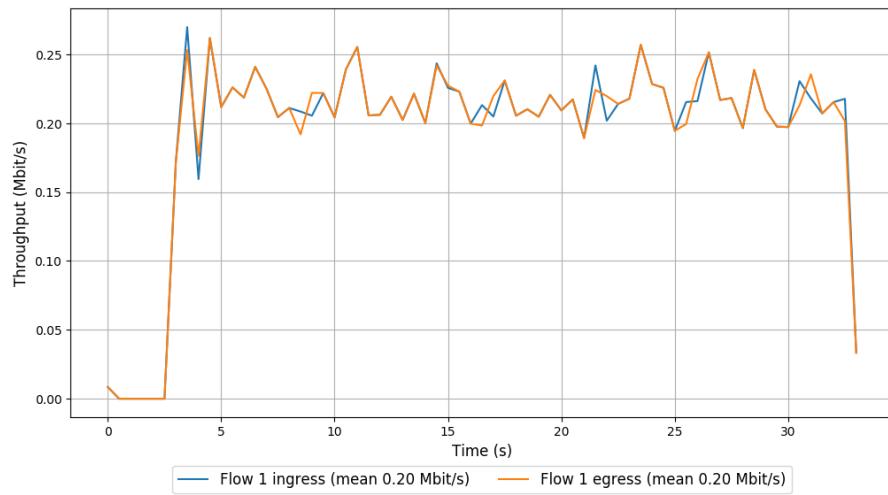


Run 10: Statistics of SCReAM

```
Start at: Wed, 14 Jun 2017 00:17:18 +0000
End at: Wed, 14 Jun 2017 00:17:48 +0000
Local clock offset: 6.107 ms
Remote clock offset: 1.071 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:49:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 19.091 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 19.091 ms
Loss rate: 0.13%
```

Run 10: Report of SCReAM — Data Link

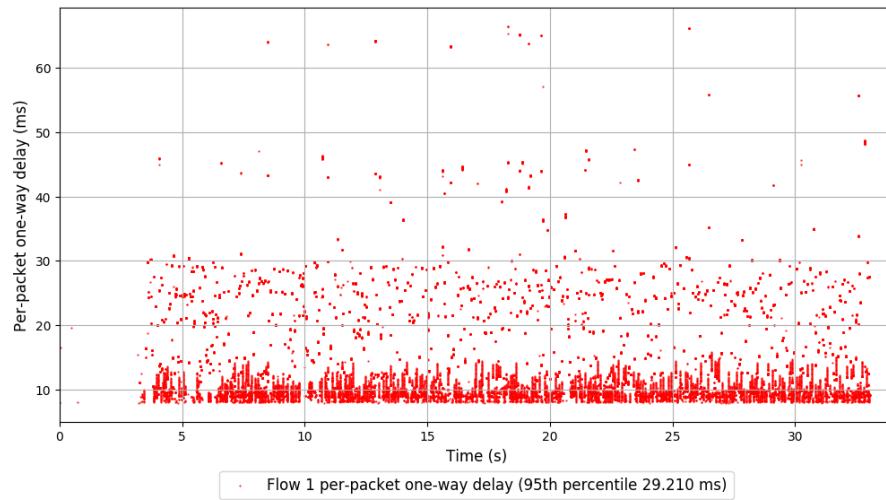
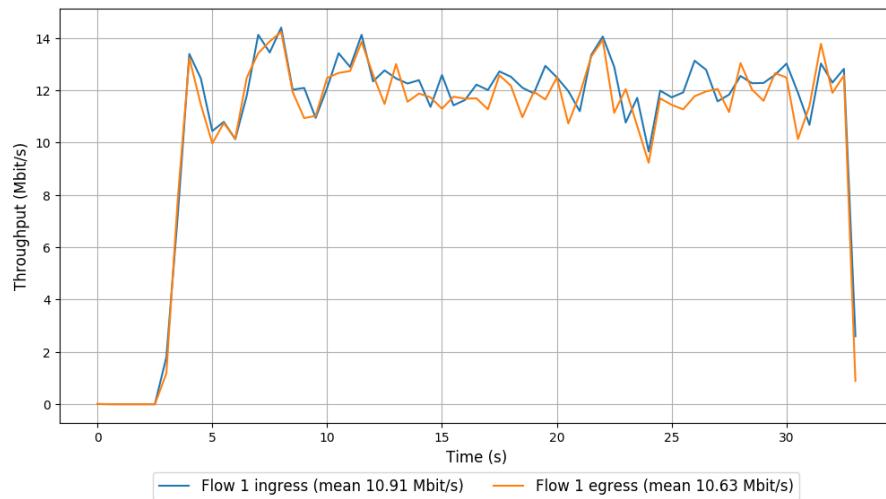


Run 1: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 21:38:18 +0000
End at: Tue, 13 Jun 2017 21:38:48 +0000
Local clock offset: 6.135 ms
Remote clock offset: -0.574 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:50:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.63 Mbit/s
95th percentile per-packet one-way delay: 29.210 ms
Loss rate: 2.71%
-- Flow 1:
Average throughput: 10.63 Mbit/s
95th percentile per-packet one-way delay: 29.210 ms
Loss rate: 2.71%
```

Run 1: Report of Sprout — Data Link

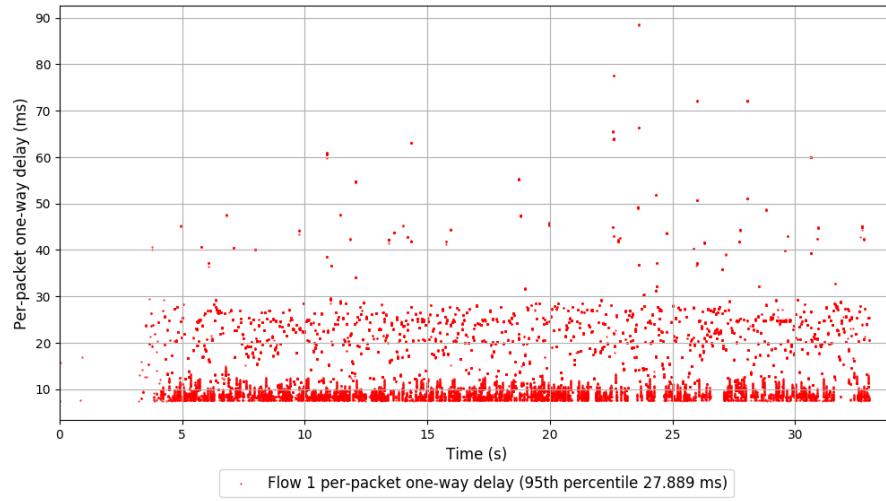
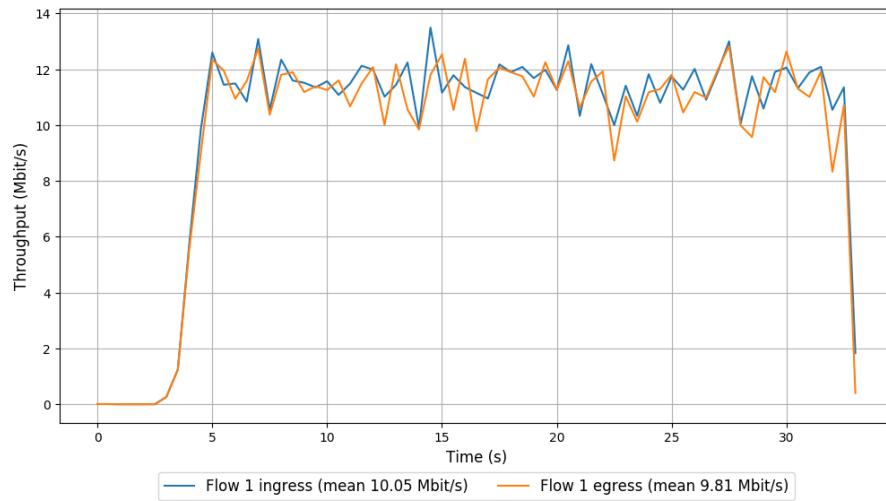


Run 2: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 21:56:58 +0000
End at: Tue, 13 Jun 2017 21:57:28 +0000
Local clock offset: 2.072 ms
Remote clock offset: 0.546 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:50:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 27.889 ms
Loss rate: 2.59%
-- Flow 1:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 27.889 ms
Loss rate: 2.59%
```

## Run 2: Report of Sprout — Data Link

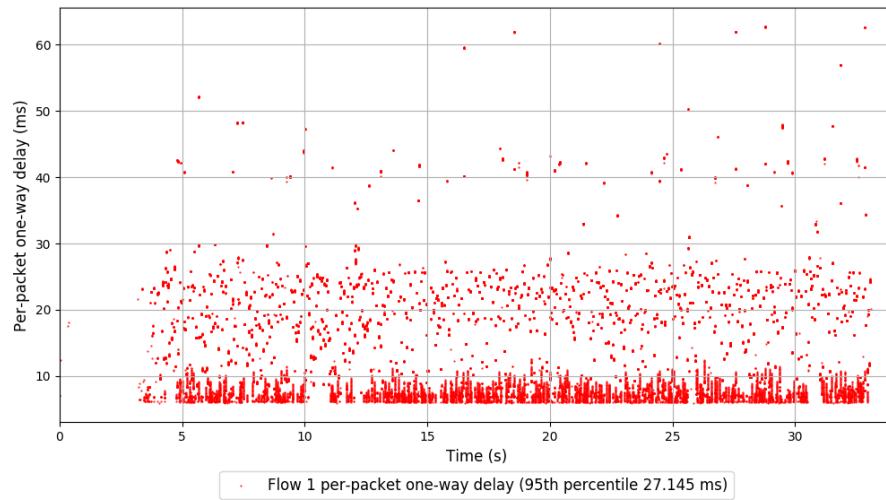
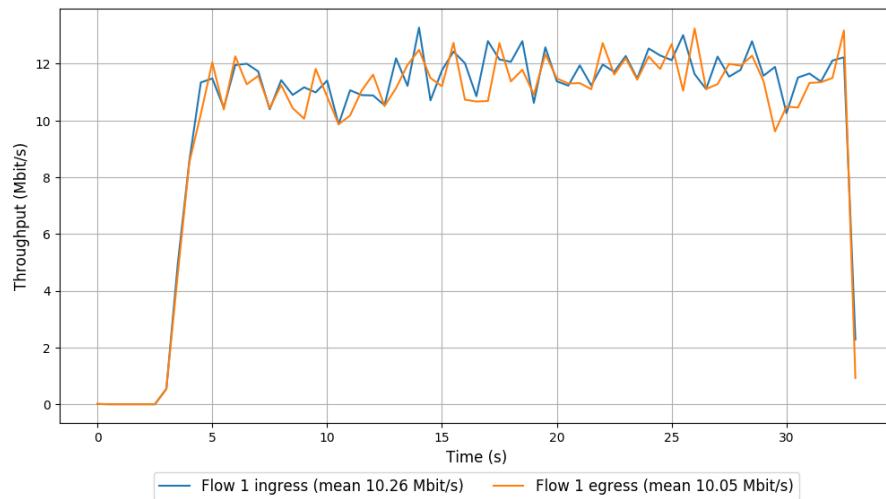


Run 3: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 22:15:31 +0000
End at: Tue, 13 Jun 2017 22:16:01 +0000
Local clock offset: 1.933 ms
Remote clock offset: 0.015 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:50:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.05 Mbit/s
95th percentile per-packet one-way delay: 27.145 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 10.05 Mbit/s
95th percentile per-packet one-way delay: 27.145 ms
Loss rate: 2.12%
```

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

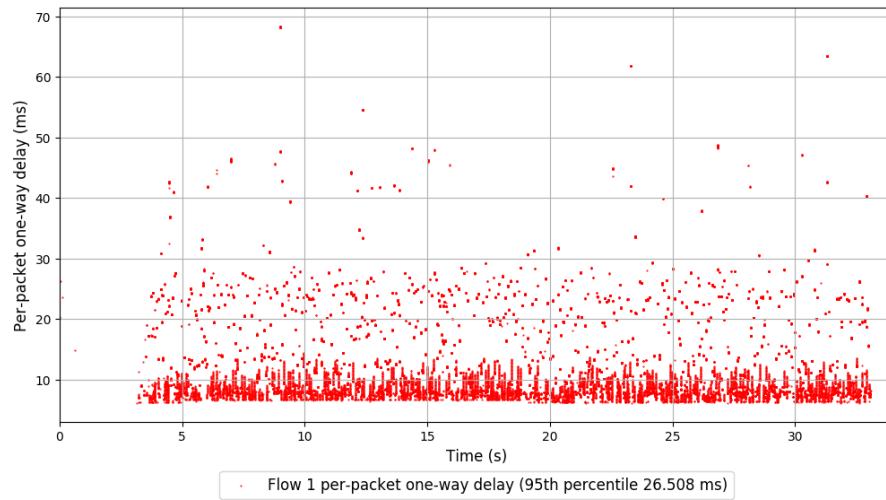
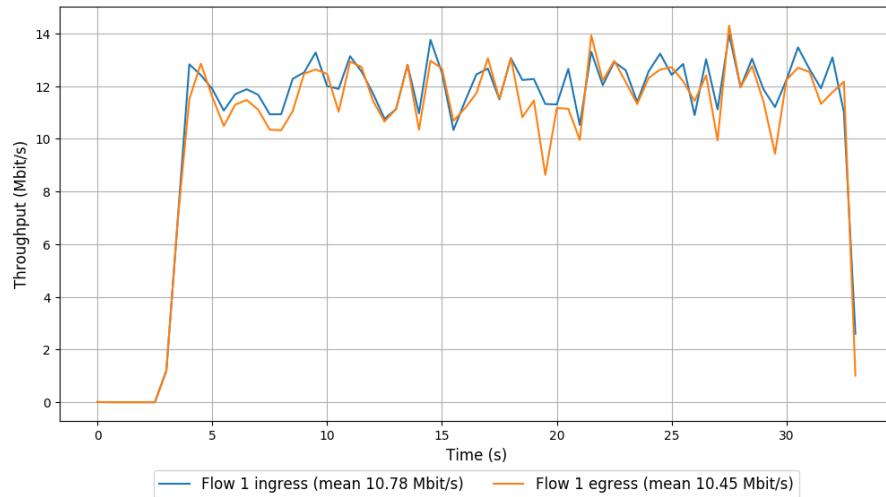


Run 4: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 22:34:04 +0000
End at: Tue, 13 Jun 2017 22:34:34 +0000
Local clock offset: 4.19 ms
Remote clock offset: 0.485 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:50:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 26.508 ms
Loss rate: 3.26%
-- Flow 1:
Average throughput: 10.45 Mbit/s
95th percentile per-packet one-way delay: 26.508 ms
Loss rate: 3.26%
```

## Run 4: Report of Sprout — Data Link

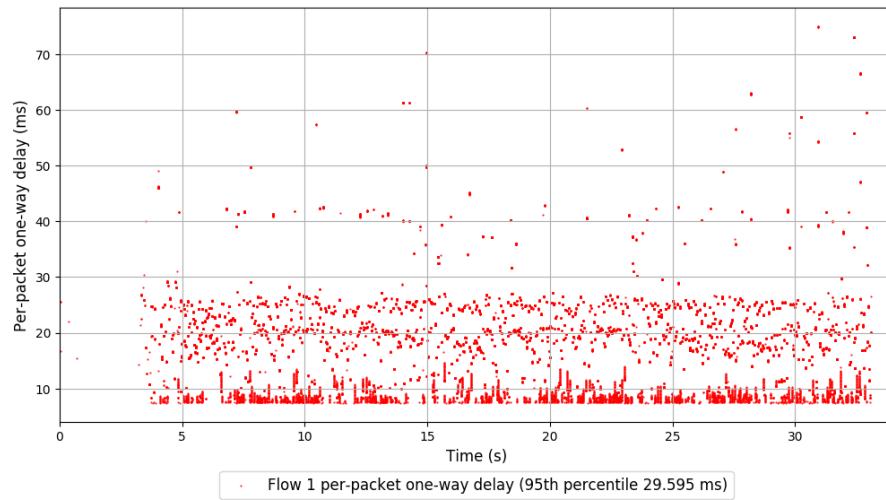
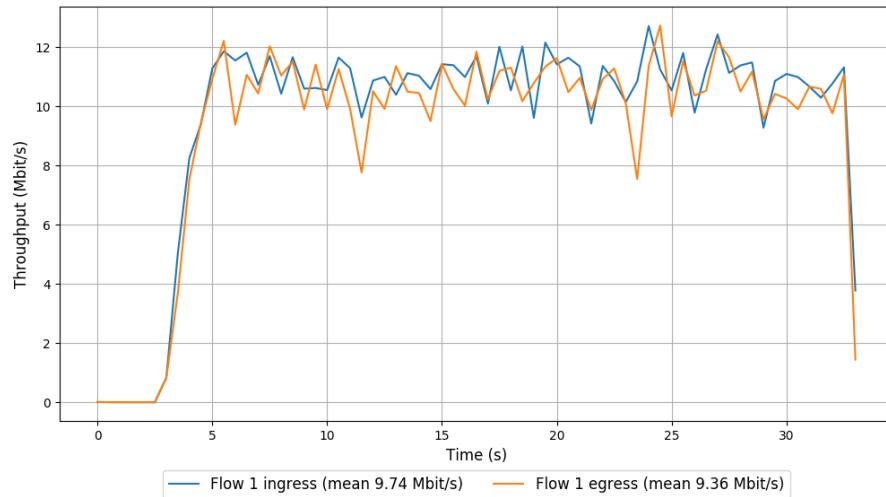


Run 5: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 22:52:13 +0000
End at: Tue, 13 Jun 2017 22:52:43 +0000
Local clock offset: 4.628 ms
Remote clock offset: -0.218 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:50:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 29.595 ms
Loss rate: 4.03%
-- Flow 1:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 29.595 ms
Loss rate: 4.03%
```

## Run 5: Report of Sprout — Data Link

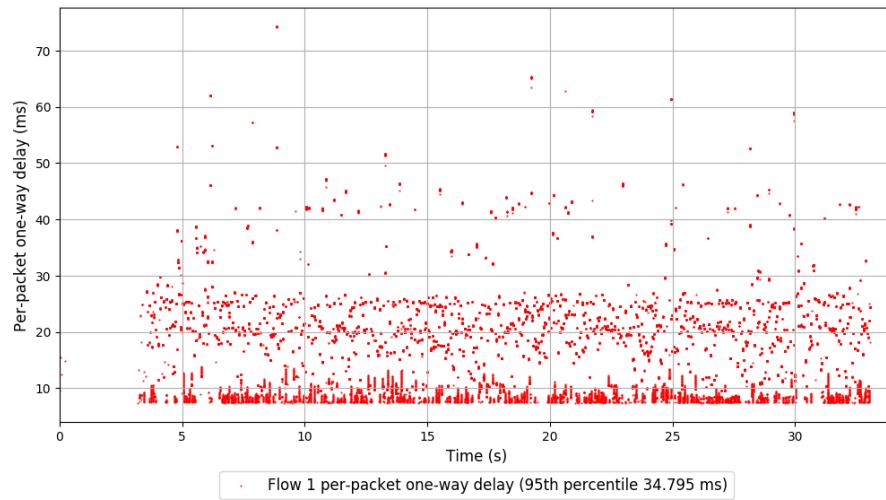
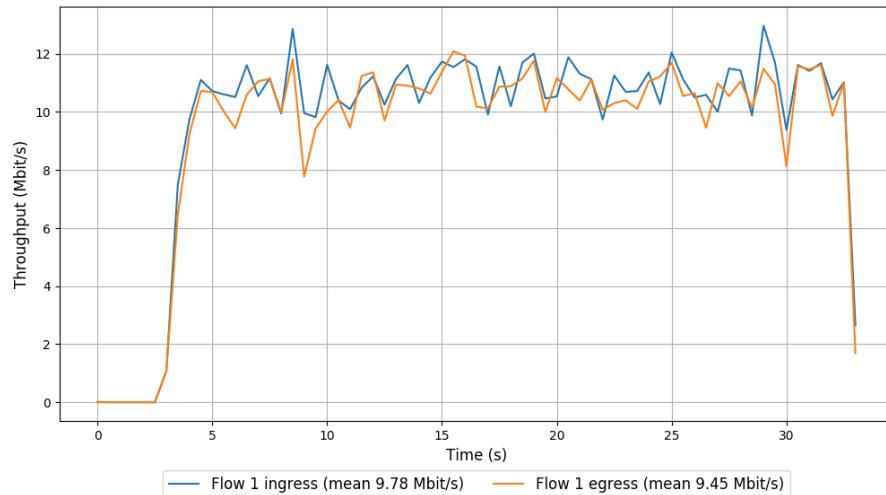


Run 6: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 23:10:36 +0000
End at: Tue, 13 Jun 2017 23:11:06 +0000
Local clock offset: 5.997 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:50:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 34.795 ms
Loss rate: 3.46%
-- Flow 1:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 34.795 ms
Loss rate: 3.46%
```

## Run 6: Report of Sprout — Data Link

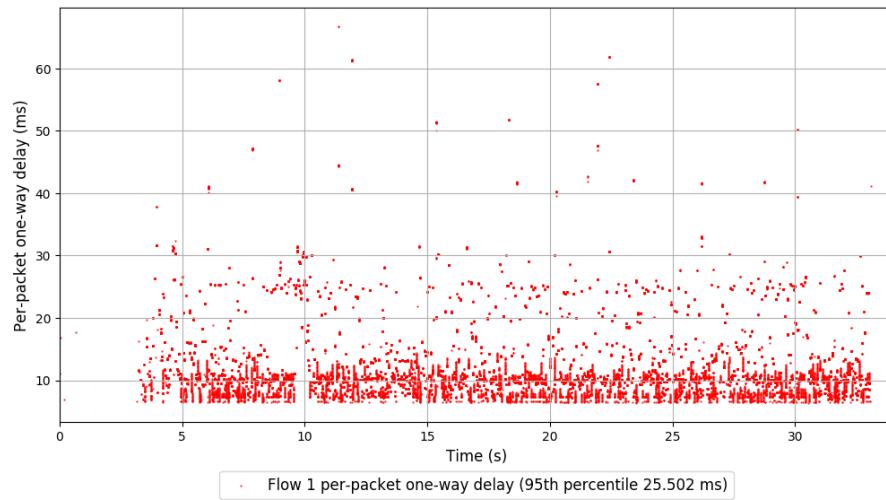
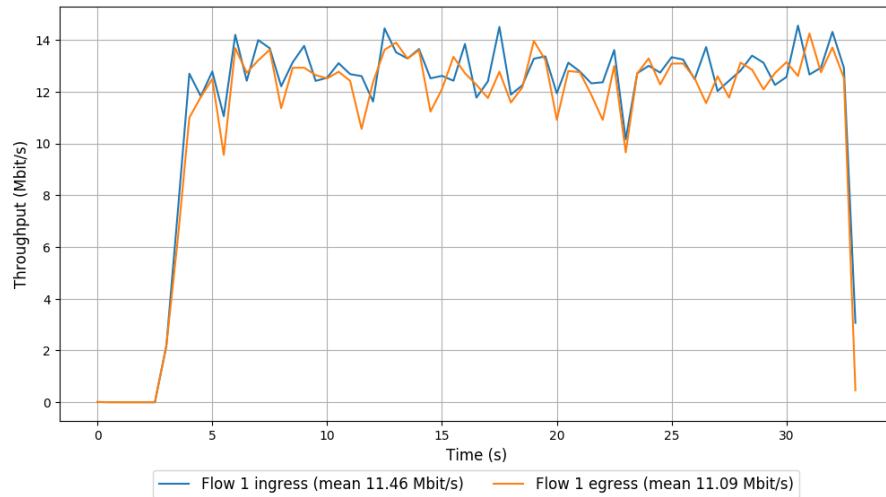


Run 7: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 23:29:06 +0000
End at: Tue, 13 Jun 2017 23:29:36 +0000
Local clock offset: 0.824 ms
Remote clock offset: 0.01 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:50:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 25.502 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 25.502 ms
Loss rate: 3.29%
```

## Run 7: Report of Sprout — Data Link

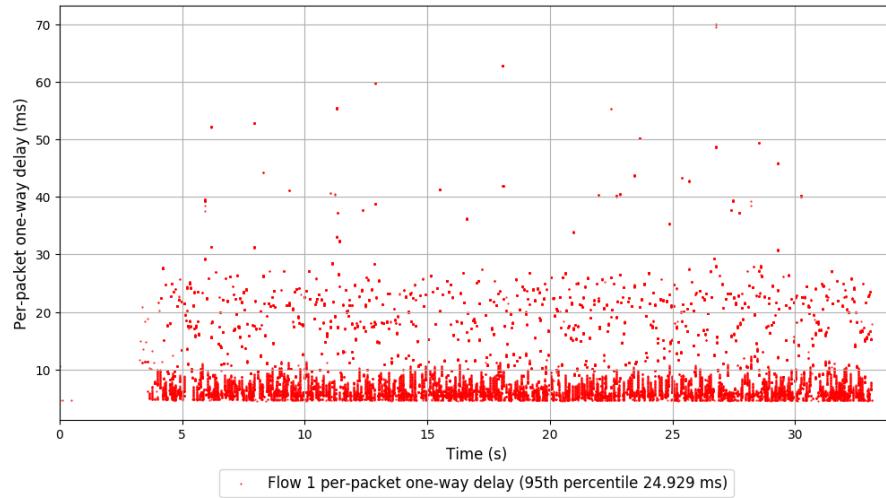
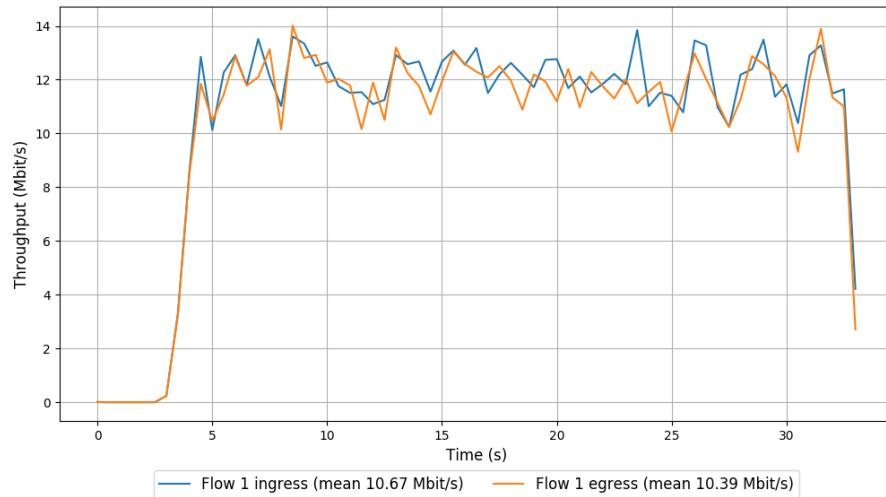


Run 8: Statistics of Sprout

```
Start at: Tue, 13 Jun 2017 23:47:30 +0000
End at: Tue, 13 Jun 2017 23:48:00 +0000
Local clock offset: 0.902 ms
Remote clock offset: 0.793 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:50:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 24.929 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 24.929 ms
Loss rate: 2.79%
```

## Run 8: Report of Sprout — Data Link

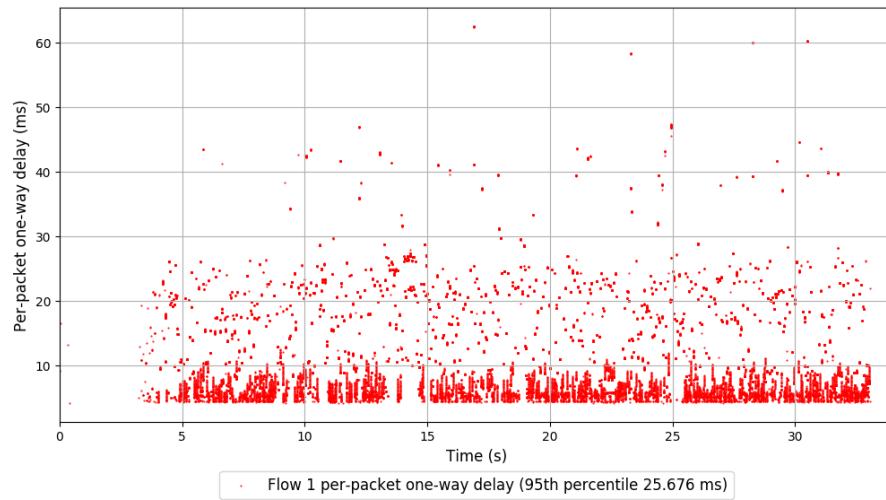
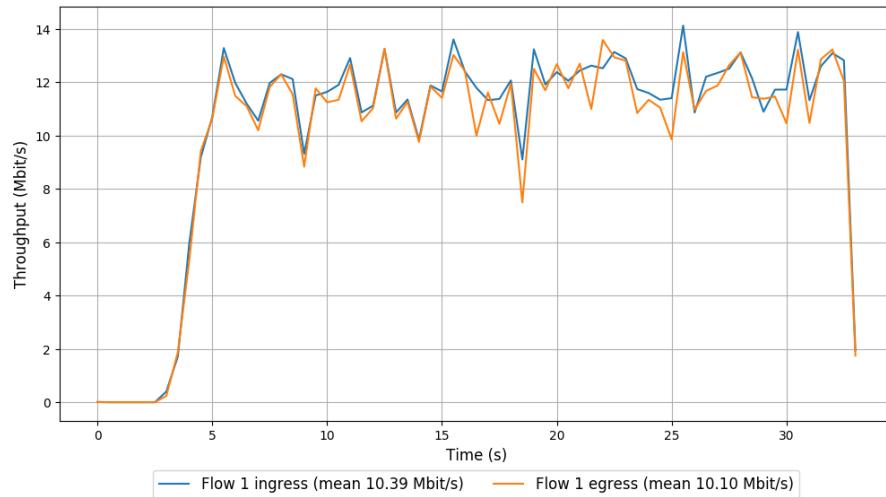


Run 9: Statistics of Sprout

```
Start at: Wed, 14 Jun 2017 00:05:48 +0000
End at: Wed, 14 Jun 2017 00:06:18 +0000
Local clock offset: 4.751 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:51:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 25.676 ms
Loss rate: 2.88%
-- Flow 1:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 25.676 ms
Loss rate: 2.88%
```

Run 9: Report of Sprout — Data Link

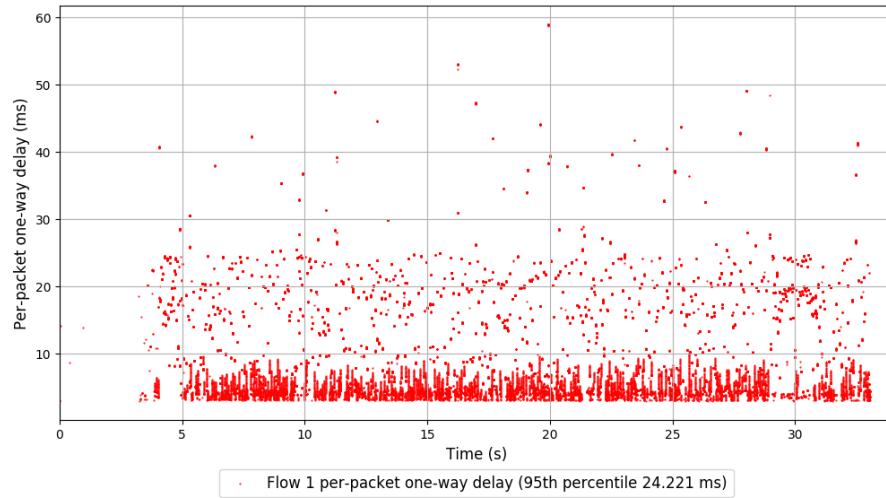
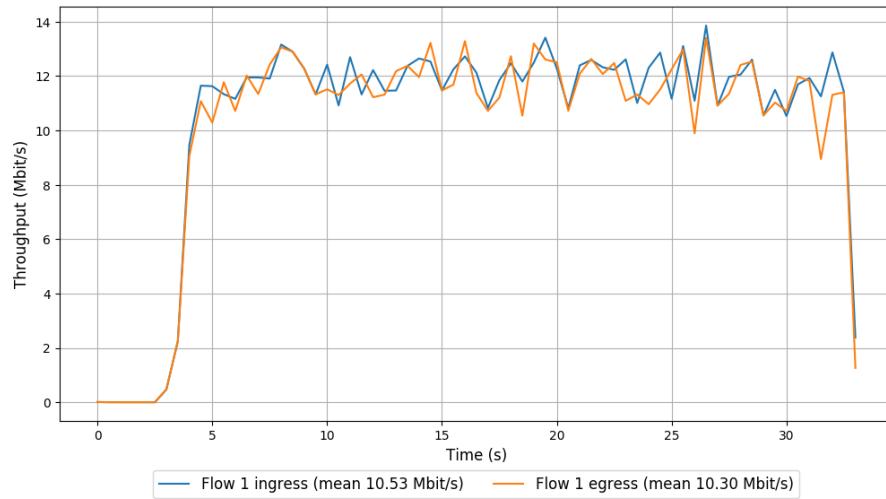


Run 10: Statistics of Sprout

```
Start at: Wed, 14 Jun 2017 00:24:27 +0000
End at: Wed, 14 Jun 2017 00:24:57 +0000
Local clock offset: 8.683 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:51:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 24.221 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 24.221 ms
Loss rate: 2.36%
```

## Run 10: Report of Sprout — Data Link

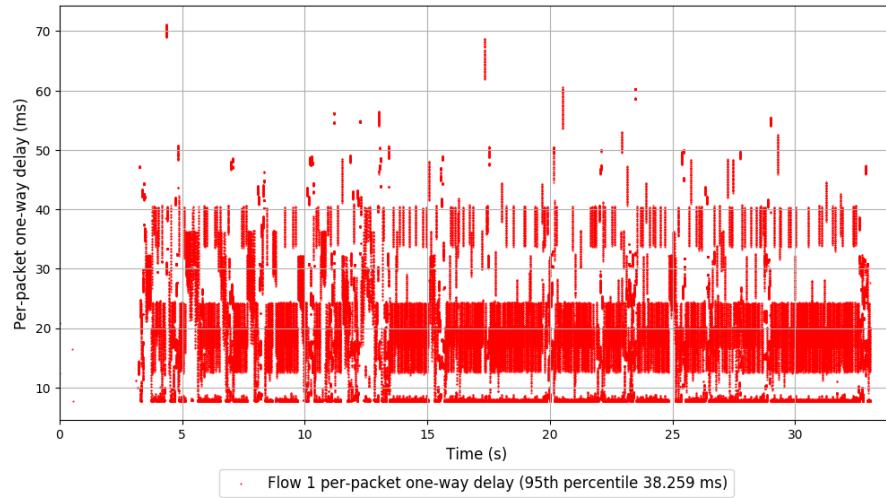
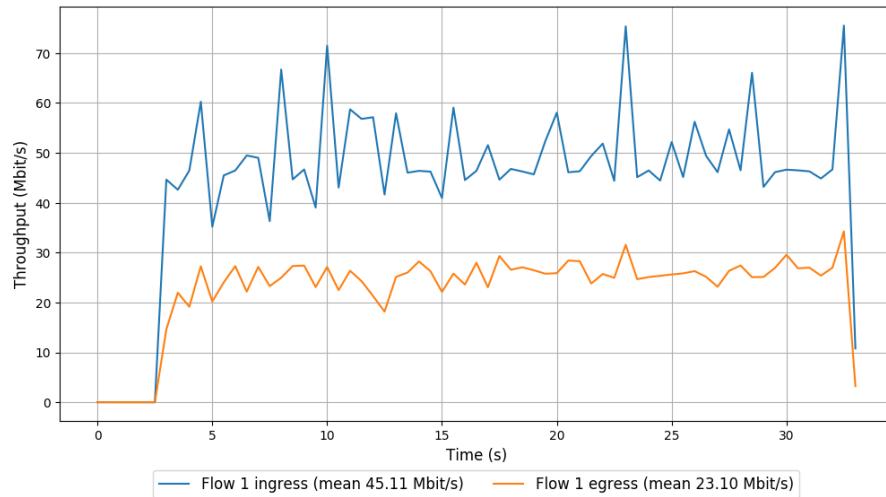


Run 1: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 21:44:27 +0000
End at: Tue, 13 Jun 2017 21:44:57 +0000
Local clock offset: 6.801 ms
Remote clock offset: 0.155 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:51:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 38.259 ms
Loss rate: 48.89%
-- Flow 1:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 38.259 ms
Loss rate: 48.89%
```

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

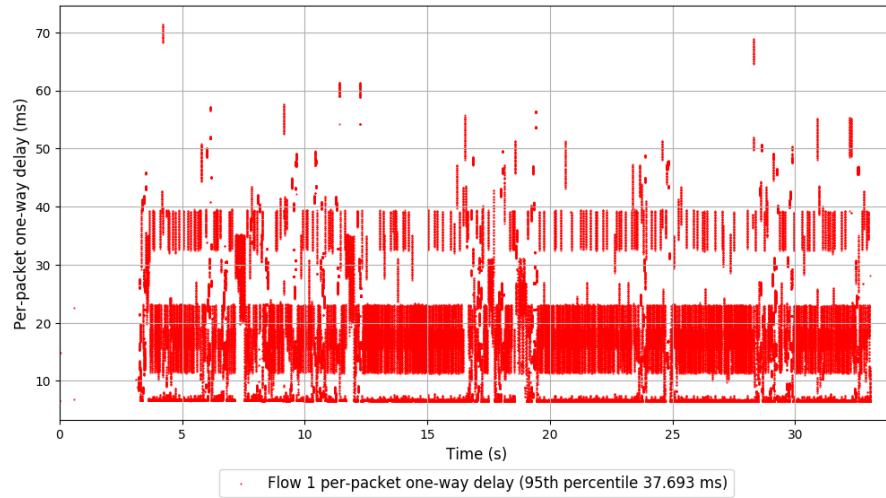
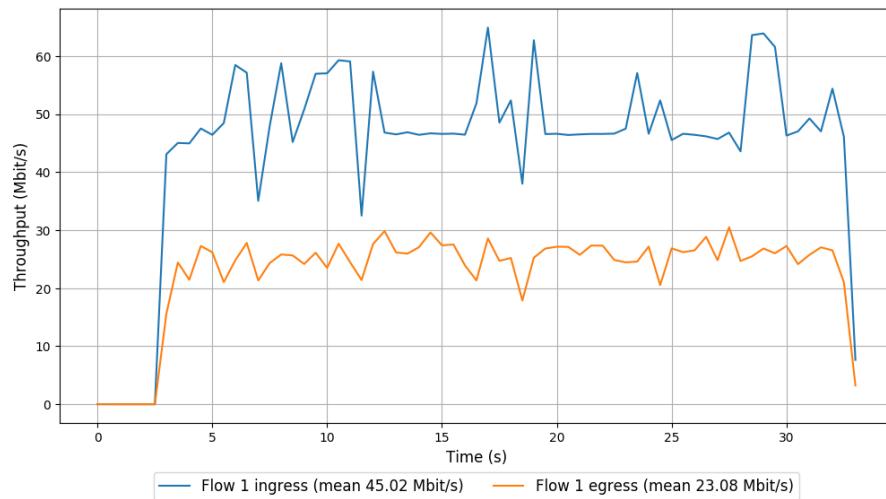


Run 2: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 22:03:07 +0000
End at: Tue, 13 Jun 2017 22:03:37 +0000
Local clock offset: -2.262 ms
Remote clock offset: 0.983 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:51:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 37.693 ms
Loss rate: 48.78%
-- Flow 1:
Average throughput: 23.08 Mbit/s
95th percentile per-packet one-way delay: 37.693 ms
Loss rate: 48.78%
```

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

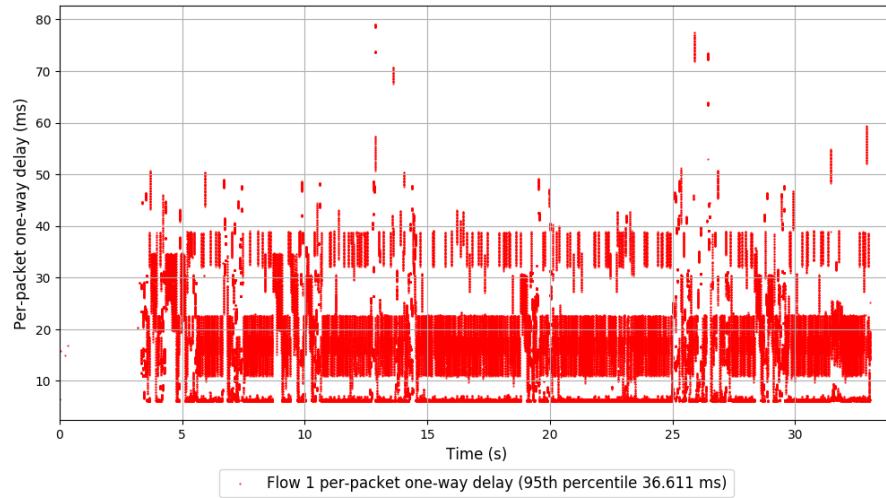
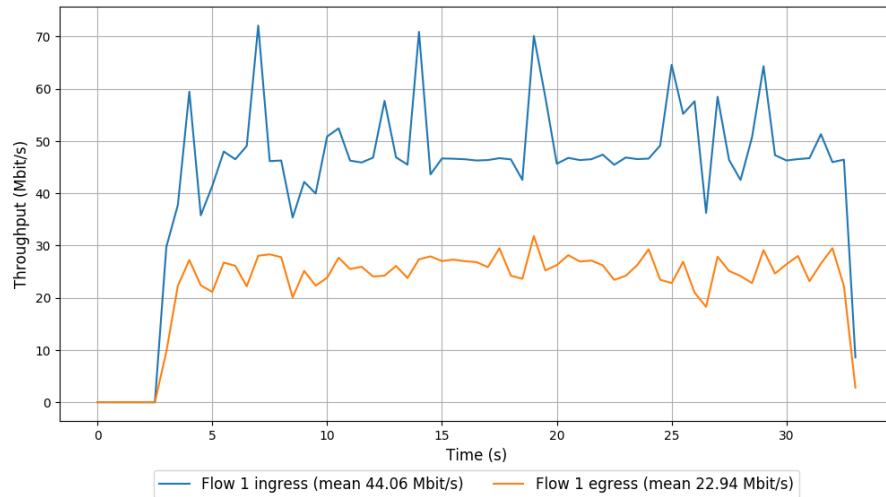


Run 3: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 22:21:38 +0000
End at: Tue, 13 Jun 2017 22:22:08 +0000
Local clock offset: 3.422 ms
Remote clock offset: 0.524 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:52:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.94 Mbit/s
95th percentile per-packet one-way delay: 36.611 ms
Loss rate: 47.98%
-- Flow 1:
Average throughput: 22.94 Mbit/s
95th percentile per-packet one-way delay: 36.611 ms
Loss rate: 47.98%
```

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

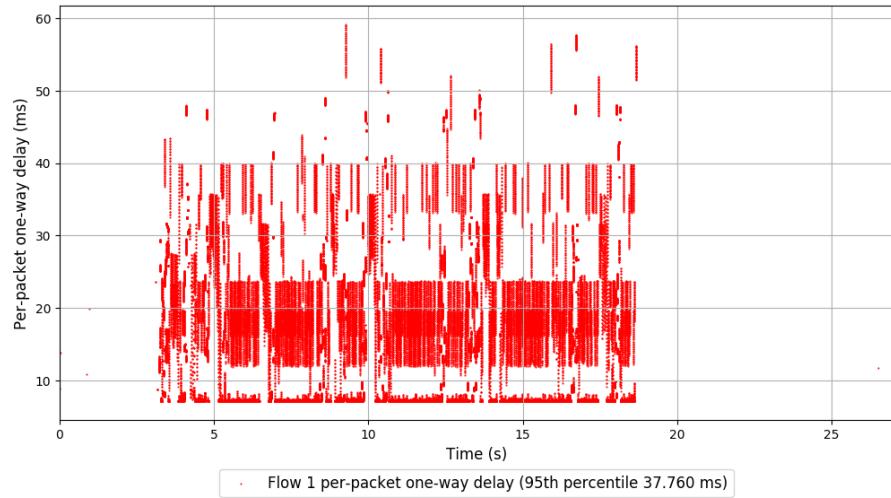
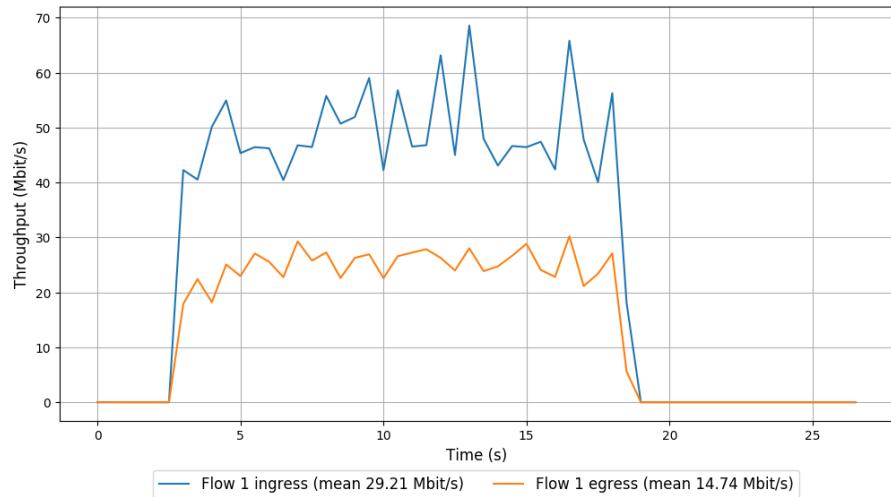


Run 4: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 22:40:11 +0000
End at: Tue, 13 Jun 2017 22:40:41 +0000
Local clock offset: 0.212 ms
Remote clock offset: 0.543 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:52:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 37.760 ms
Loss rate: 49.54%
-- Flow 1:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 37.760 ms
Loss rate: 49.54%
```

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

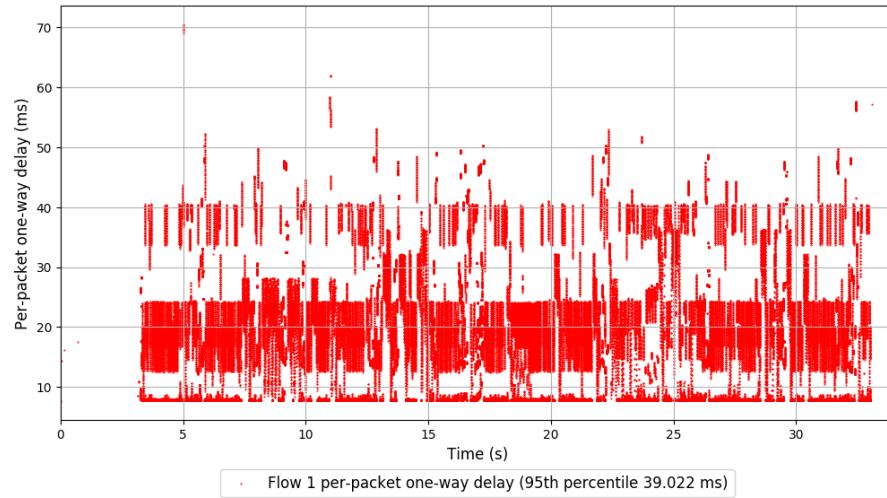
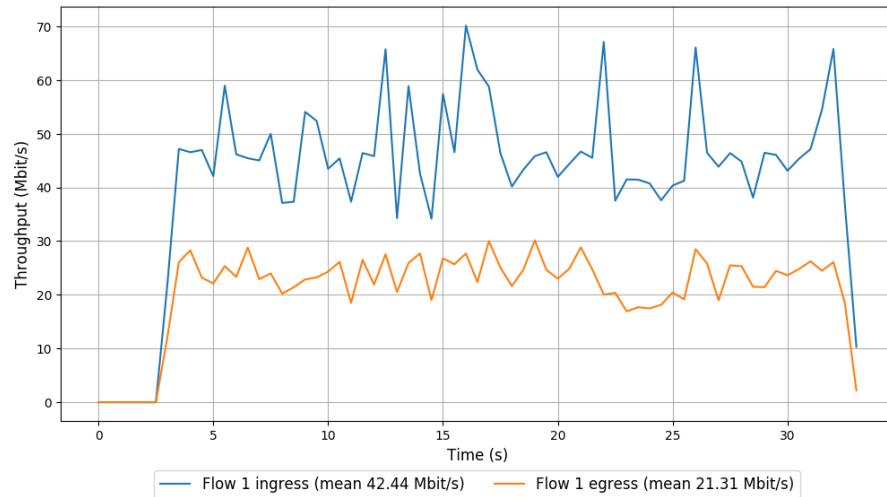


Run 5: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 22:58:20 +0000
End at: Tue, 13 Jun 2017 22:58:50 +0000
Local clock offset: 0.523 ms
Remote clock offset: 0.302 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:52:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.31 Mbit/s
95th percentile per-packet one-way delay: 39.022 ms
Loss rate: 49.82%
-- Flow 1:
Average throughput: 21.31 Mbit/s
95th percentile per-packet one-way delay: 39.022 ms
Loss rate: 49.82%
```

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

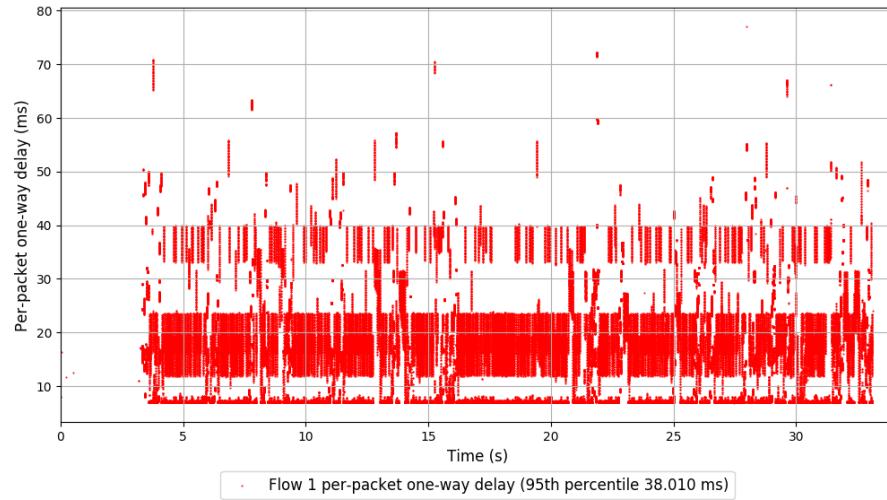
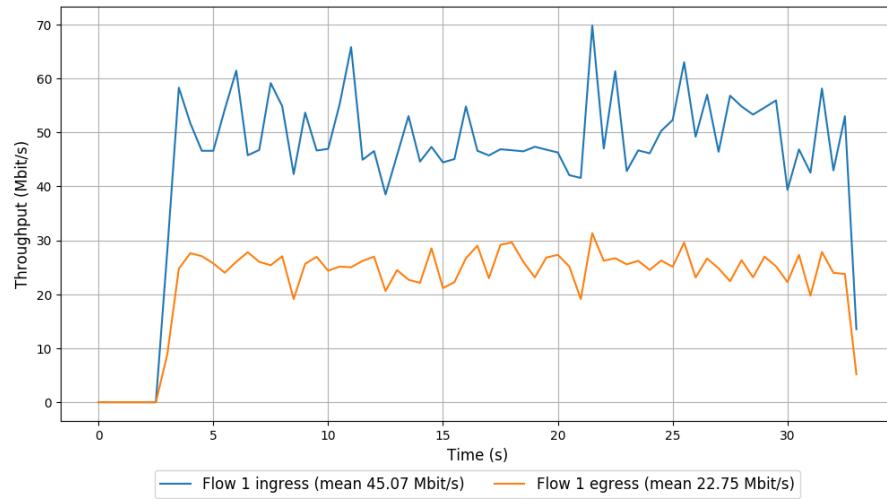


Run 6: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 23:16:48 +0000
End at: Tue, 13 Jun 2017 23:17:18 +0000
Local clock offset: 4.705 ms
Remote clock offset: -0.29 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:52:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.75 Mbit/s
95th percentile per-packet one-way delay: 38.010 ms
Loss rate: 49.60%
-- Flow 1:
Average throughput: 22.75 Mbit/s
95th percentile per-packet one-way delay: 38.010 ms
Loss rate: 49.60%
```

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

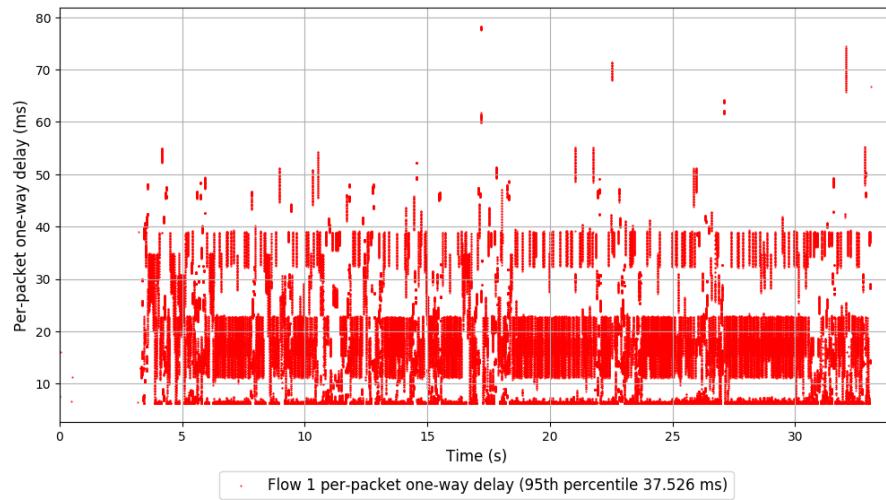
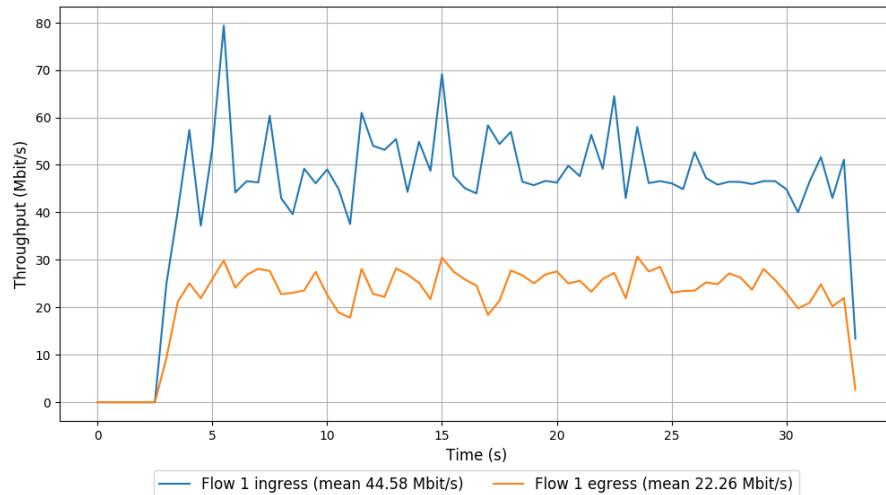


Run 7: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 23:35:11 +0000
End at: Tue, 13 Jun 2017 23:35:41 +0000
Local clock offset: 5.053 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:53:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.26 Mbit/s
95th percentile per-packet one-way delay: 37.526 ms
Loss rate: 50.08%
-- Flow 1:
Average throughput: 22.26 Mbit/s
95th percentile per-packet one-way delay: 37.526 ms
Loss rate: 50.08%
```

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

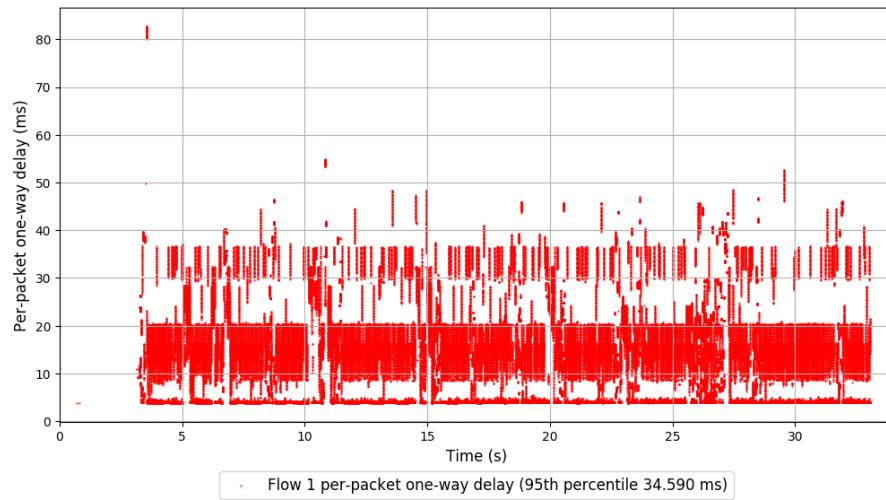
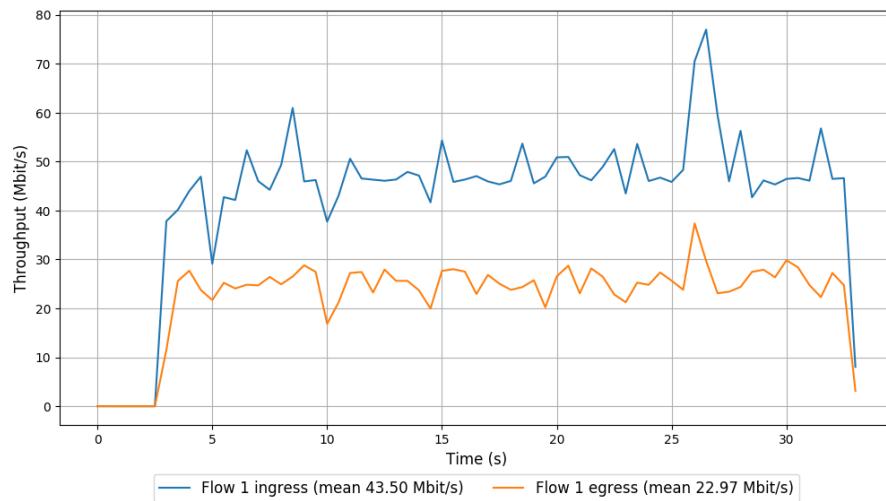


Run 8: Statistics of TaoVA-100x

```
Start at: Tue, 13 Jun 2017 23:53:39 +0000
End at: Tue, 13 Jun 2017 23:54:09 +0000
Local clock offset: 7.485 ms
Remote clock offset: 0.582 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:53:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 34.590 ms
Loss rate: 47.28%
-- Flow 1:
Average throughput: 22.97 Mbit/s
95th percentile per-packet one-way delay: 34.590 ms
Loss rate: 47.28%
```

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

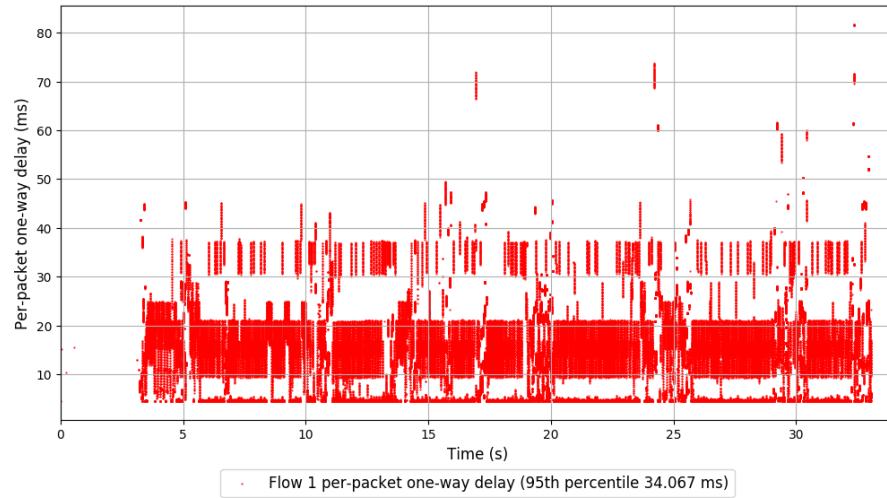
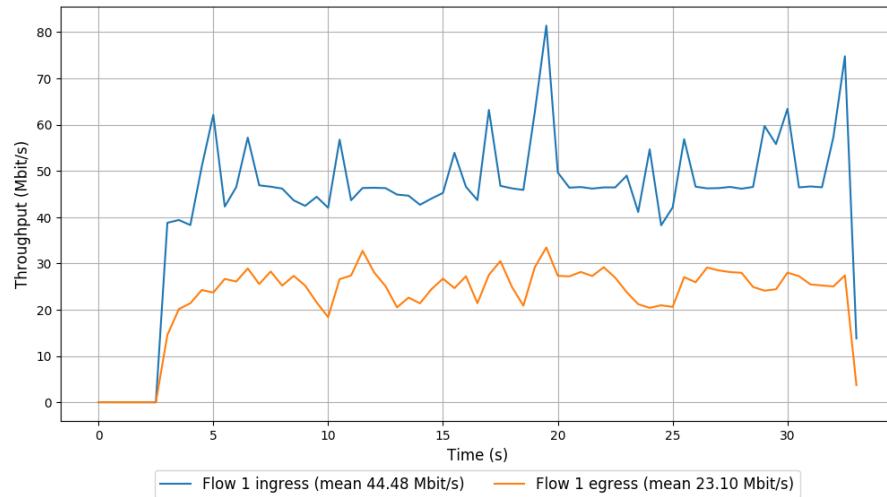


Run 9: Statistics of TaoVA-100x

```
Start at: Wed, 14 Jun 2017 00:12:02 +0000
End at: Wed, 14 Jun 2017 00:12:32 +0000
Local clock offset: 6.637 ms
Remote clock offset: 0.214 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:53:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 34.067 ms
Loss rate: 48.13%
-- Flow 1:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 34.067 ms
Loss rate: 48.13%
```

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



Run 10: Statistics of TaoVA-100x

Start at: Wed, 14 Jun 2017 00:30:34 +0000

End at: Wed, 14 Jun 2017 00:31:04 +0000

Local clock offset: 7.797 ms

Remote clock offset: -0.388 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:53:57 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.69 Mbit/s

95th percentile per-packet one-way delay: 33.693 ms

Loss rate: 49.91%

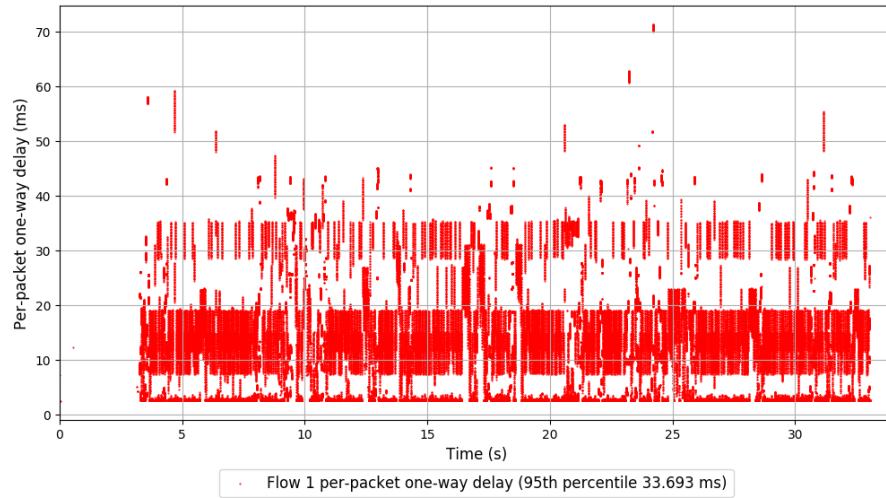
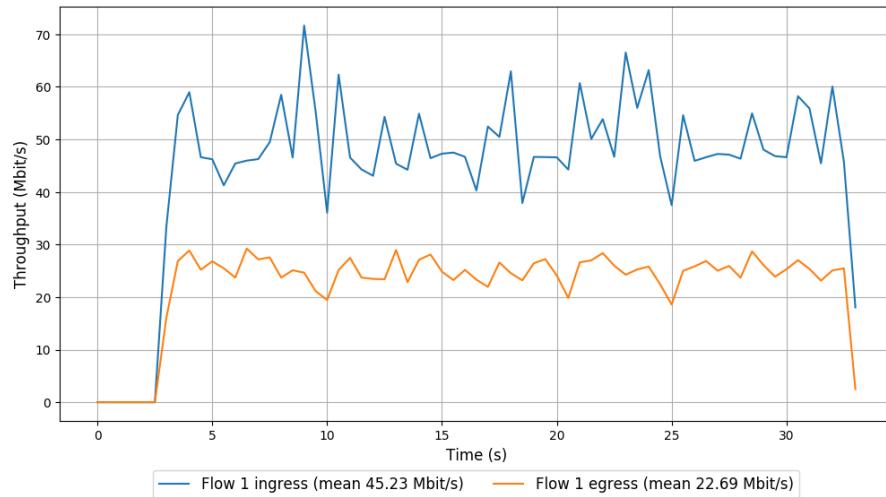
-- Flow 1:

Average throughput: 22.69 Mbit/s

95th percentile per-packet one-way delay: 33.693 ms

Loss rate: 49.91%

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

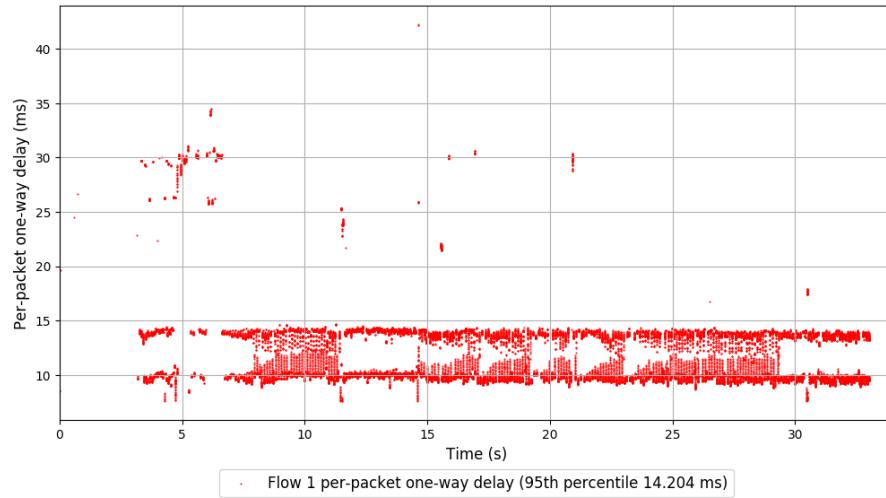
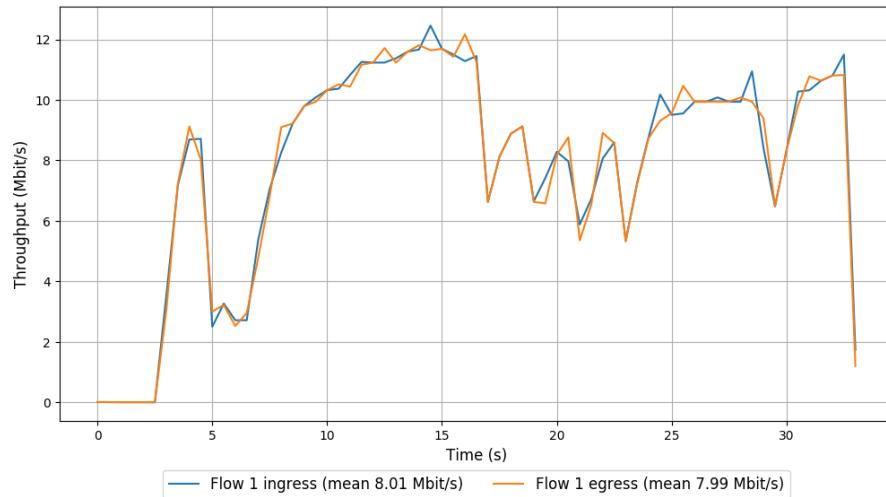


Run 1: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 21:48:37 +0000
End at: Tue, 13 Jun 2017 21:49:07 +0000
Local clock offset: 6.592 ms
Remote clock offset: 0.744 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:53:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 14.204 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 7.99 Mbit/s
95th percentile per-packet one-way delay: 14.204 ms
Loss rate: 0.32%
```

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

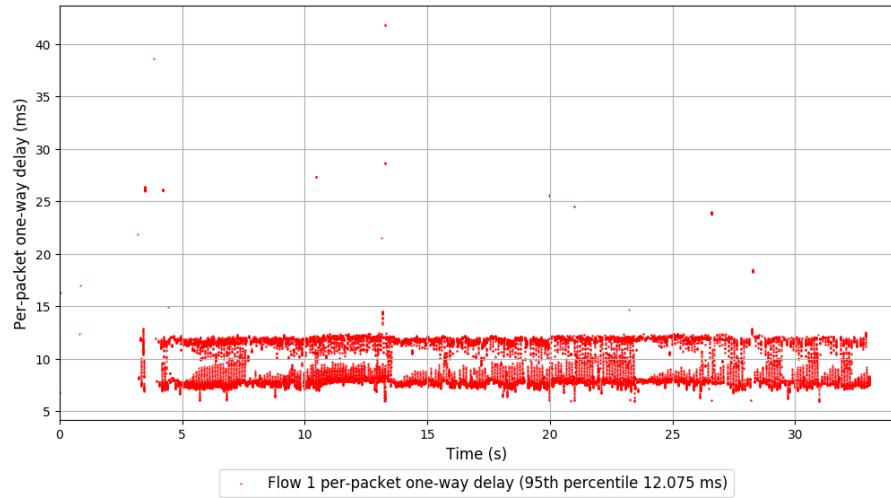
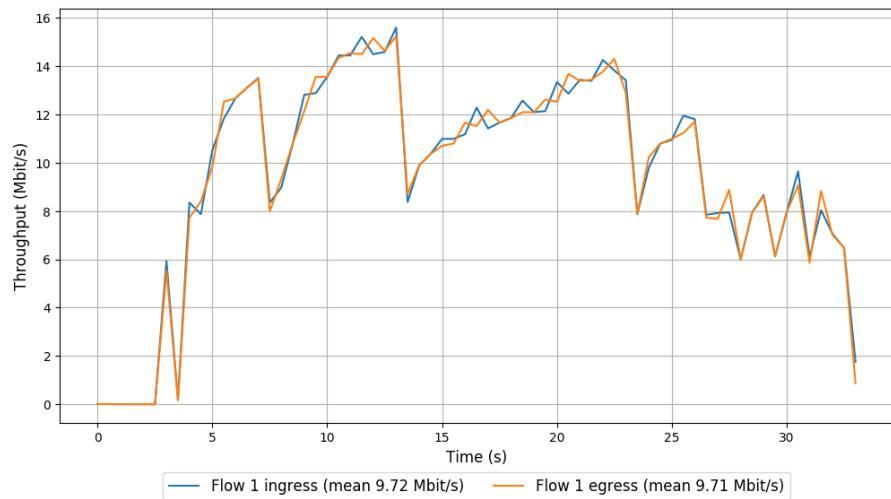


Run 2: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 22:07:01 +0000
End at: Tue, 13 Jun 2017 22:07:31 +0000
Local clock offset: -1.355 ms
Remote clock offset: -6.364 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:54:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 12.075 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 9.71 Mbit/s
95th percentile per-packet one-way delay: 12.075 ms
Loss rate: 0.28%
```

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

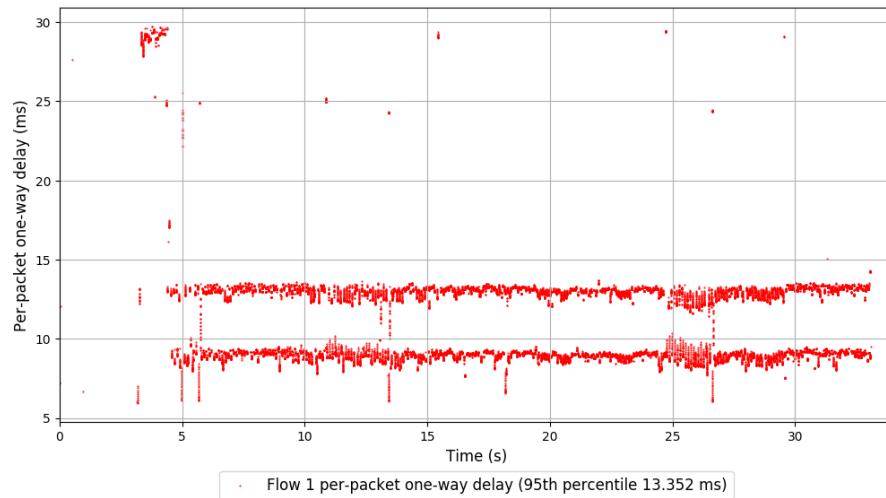
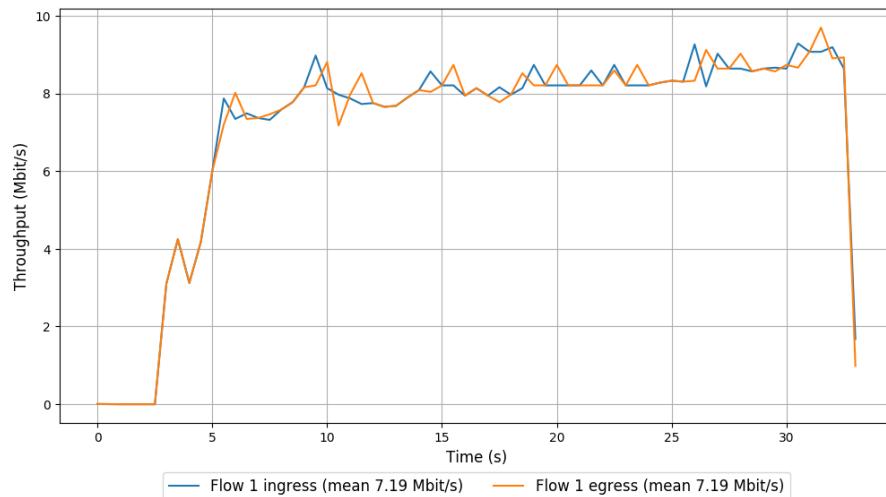


Run 3: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 22:25:43 +0000
End at: Tue, 13 Jun 2017 22:26:13 +0000
Local clock offset: 5.181 ms
Remote clock offset: -0.265 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:54:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 13.352 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 13.352 ms
Loss rate: 0.15%
```

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

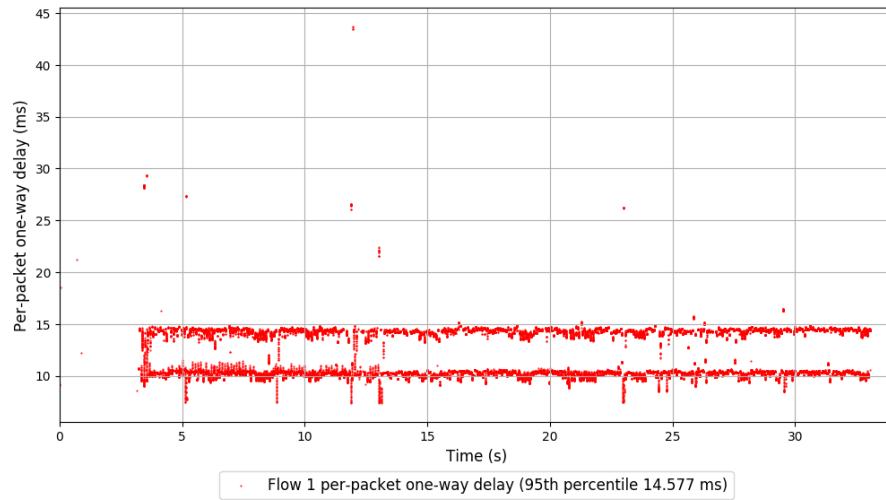
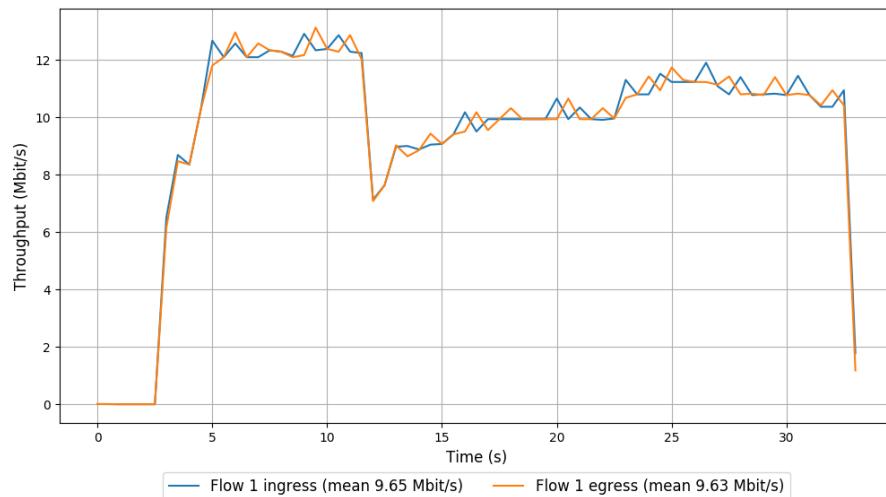


Run 4: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 22:43:51 +0000
End at: Tue, 13 Jun 2017 22:44:21 +0000
Local clock offset: 6.752 ms
Remote clock offset: -0.177 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:54:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 14.577 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 9.63 Mbit/s
95th percentile per-packet one-way delay: 14.577 ms
Loss rate: 0.30%
```

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

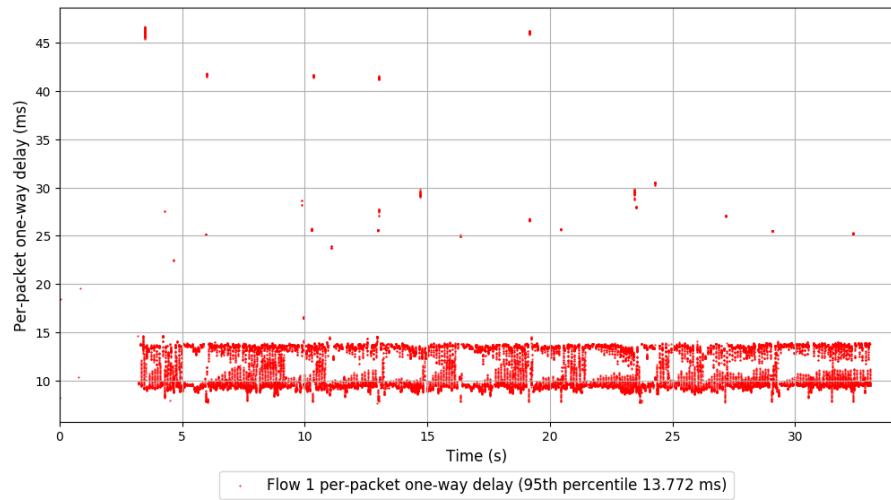
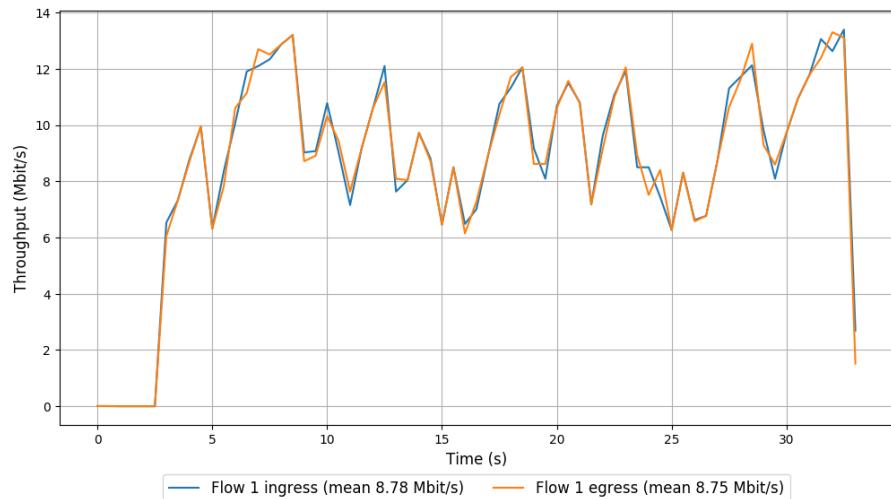


Run 5: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 23:02:18 +0000
End at: Tue, 13 Jun 2017 23:02:48 +0000
Local clock offset: 6.417 ms
Remote clock offset: 1.068 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:54:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 13.772 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 13.772 ms
Loss rate: 0.43%
```

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

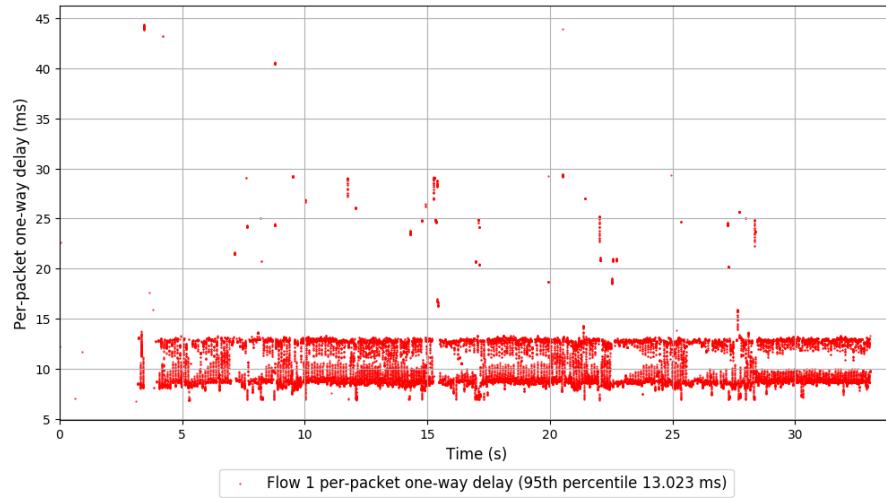
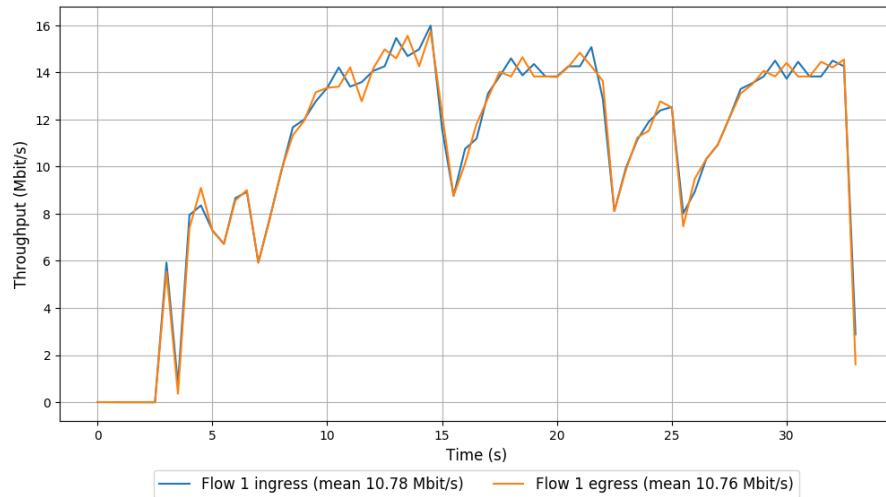


Run 6: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 23:20:51 +0000
End at: Tue, 13 Jun 2017 23:21:21 +0000
Local clock offset: 6.143 ms
Remote clock offset: -5.132 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:54:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 13.023 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 10.76 Mbit/s
95th percentile per-packet one-way delay: 13.023 ms
Loss rate: 0.32%
```

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

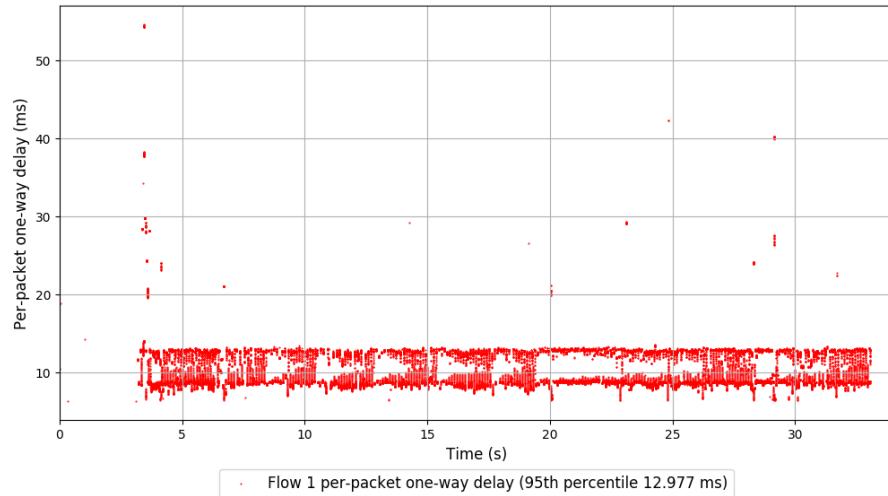
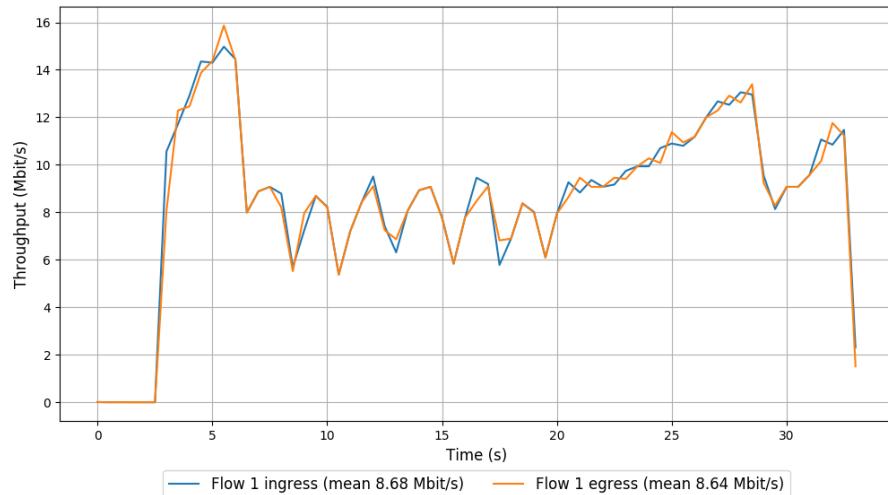


Run 7: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 23:39:10 +0000
End at: Tue, 13 Jun 2017 23:39:40 +0000
Local clock offset: 2.955 ms
Remote clock offset: -0.221 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:54:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 12.977 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 12.977 ms
Loss rate: 0.57%
```

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

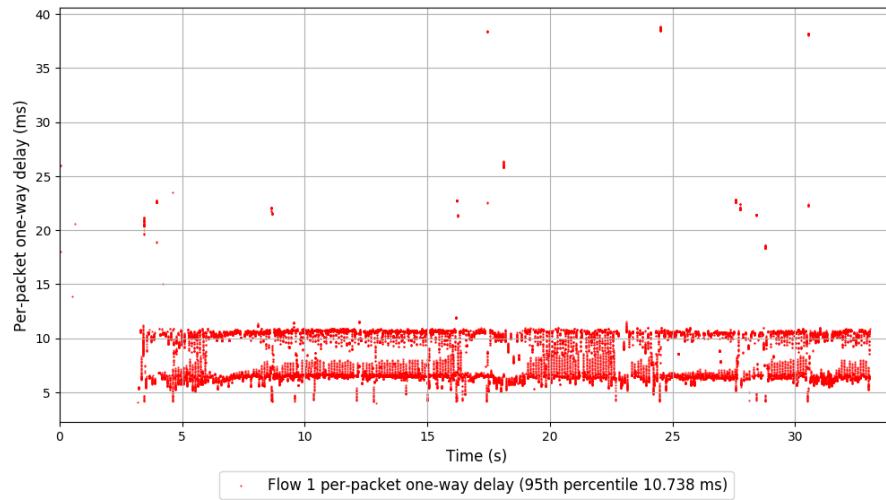
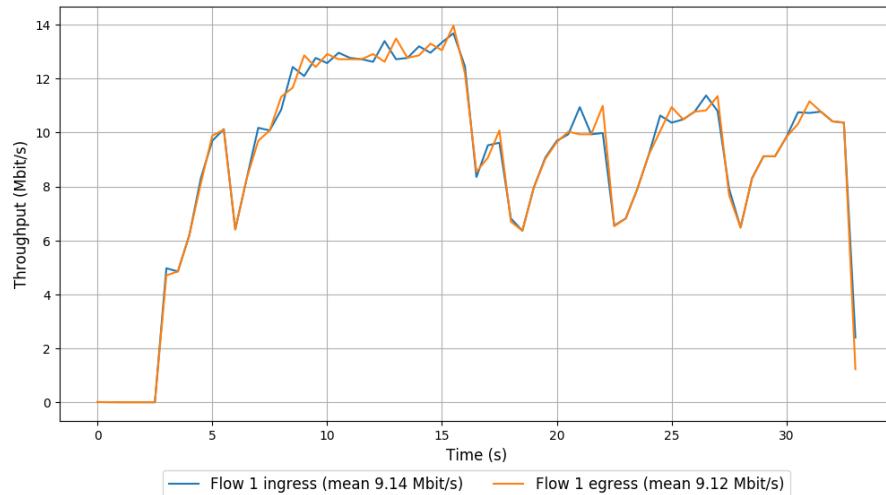


Run 8: Statistics of TCP Vegas

```
Start at: Tue, 13 Jun 2017 23:57:37 +0000
End at: Tue, 13 Jun 2017 23:58:07 +0000
Local clock offset: 5.948 ms
Remote clock offset: -0.638 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:54:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 10.738 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 10.738 ms
Loss rate: 0.32%
```

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

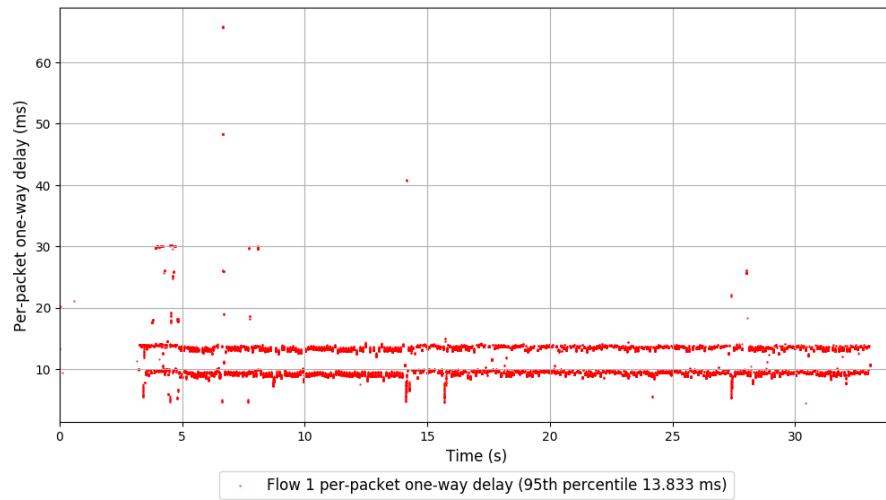
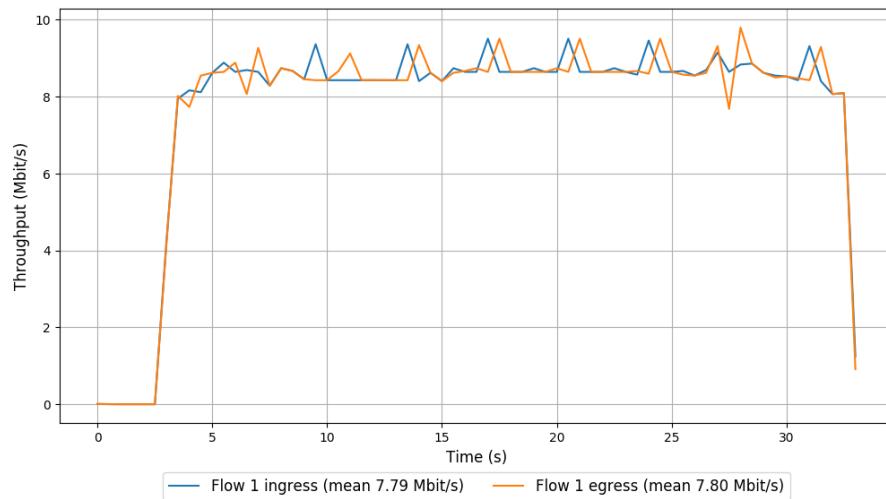


Run 9: Statistics of TCP Vegas

```
Start at: Wed, 14 Jun 2017 00:16:09 +0000
End at: Wed, 14 Jun 2017 00:16:39 +0000
Local clock offset: 6.728 ms
Remote clock offset: -0.293 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:54:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 13.833 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 13.833 ms
Loss rate: 0.07%
```

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

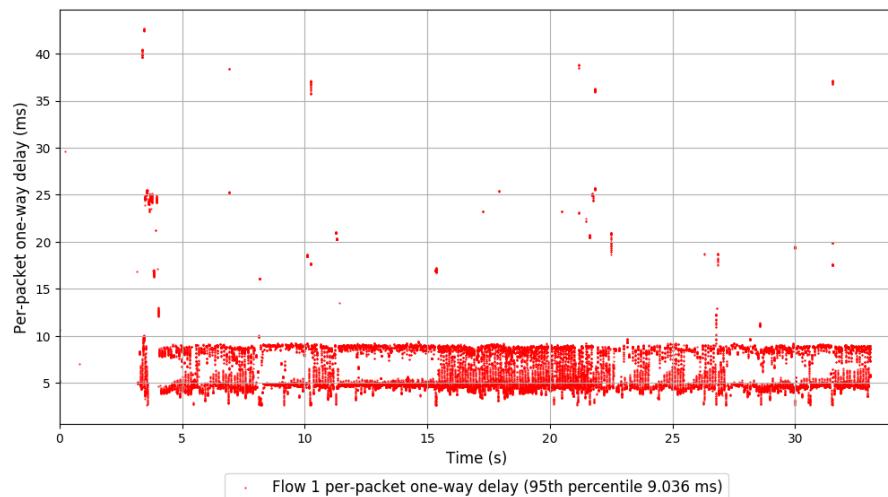
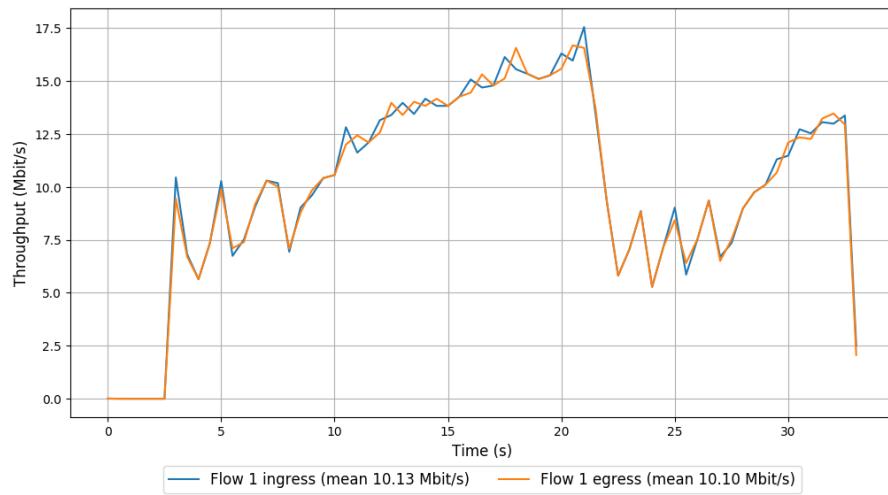


Run 10: Statistics of TCP Vegas

```
Start at: Wed, 14 Jun 2017 00:34:42 +0000
End at: Wed, 14 Jun 2017 00:35:12 +0000
Local clock offset: 8.416 ms
Remote clock offset: -1.938 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:54:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 9.036 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 9.036 ms
Loss rate: 0.43%
```

Run 10: Report of TCP Vegas — Data Link

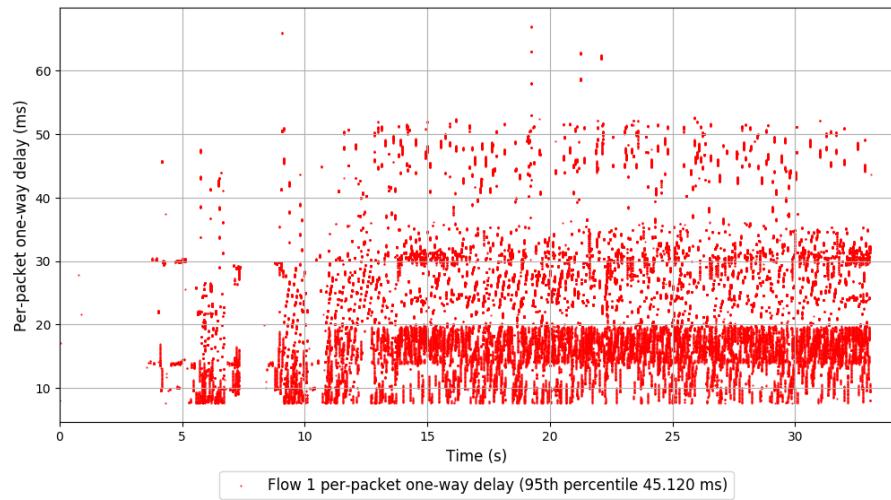
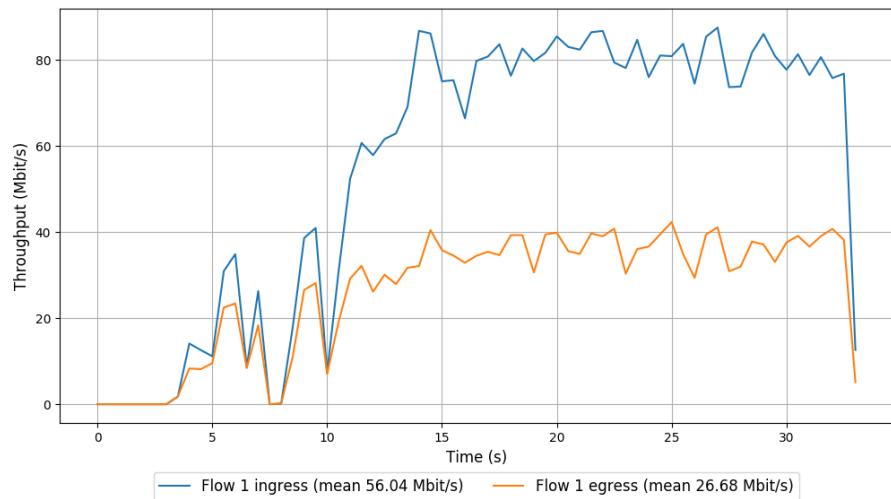


Run 1: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 21:47:07 +0000
End at: Tue, 13 Jun 2017 21:47:37 +0000
Local clock offset: -0.064 ms
Remote clock offset: 0.639 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:55:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 45.120 ms
Loss rate: 52.38%
-- Flow 1:
Average throughput: 26.68 Mbit/s
95th percentile per-packet one-way delay: 45.120 ms
Loss rate: 52.38%
```

Run 1: Report of Verus — Data Link

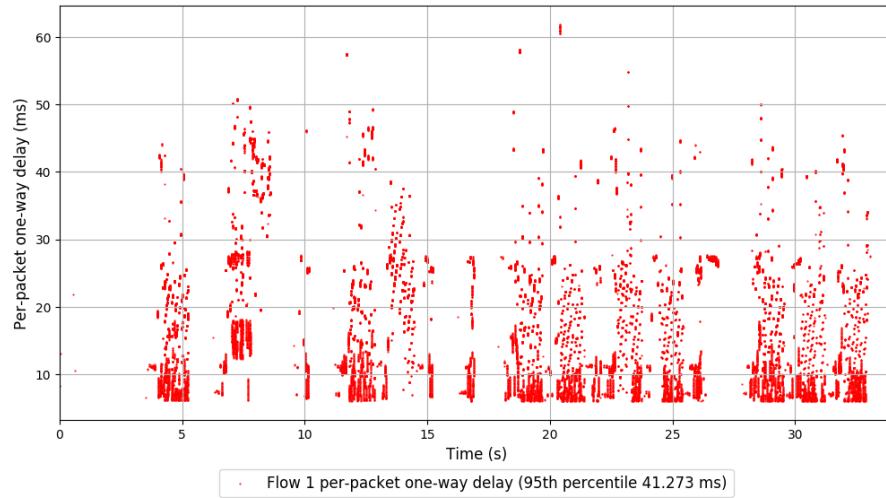
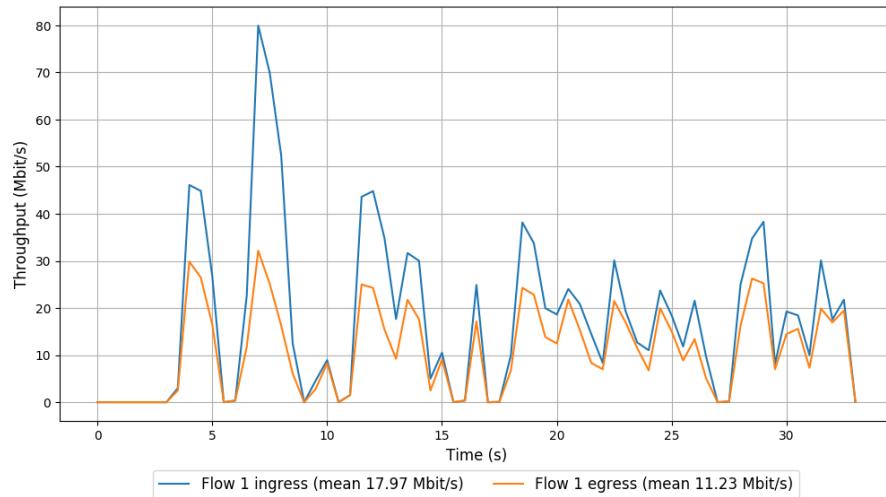


Run 2: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 22:05:45 +0000
End at: Tue, 13 Jun 2017 22:06:15 +0000
Local clock offset: 6.114 ms
Remote clock offset: 0.527 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:55:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.23 Mbit/s
95th percentile per-packet one-way delay: 41.273 ms
Loss rate: 37.46%
-- Flow 1:
Average throughput: 11.23 Mbit/s
95th percentile per-packet one-way delay: 41.273 ms
Loss rate: 37.46%
```

## Run 2: Report of Verus — Data Link

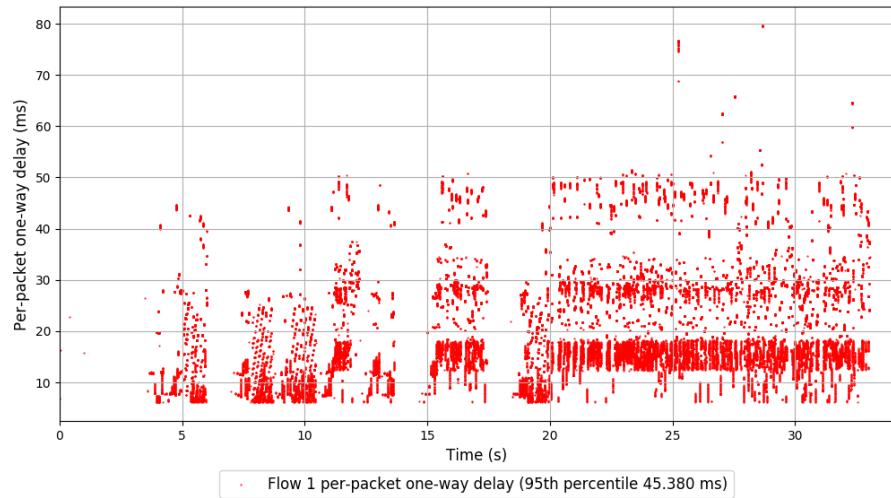
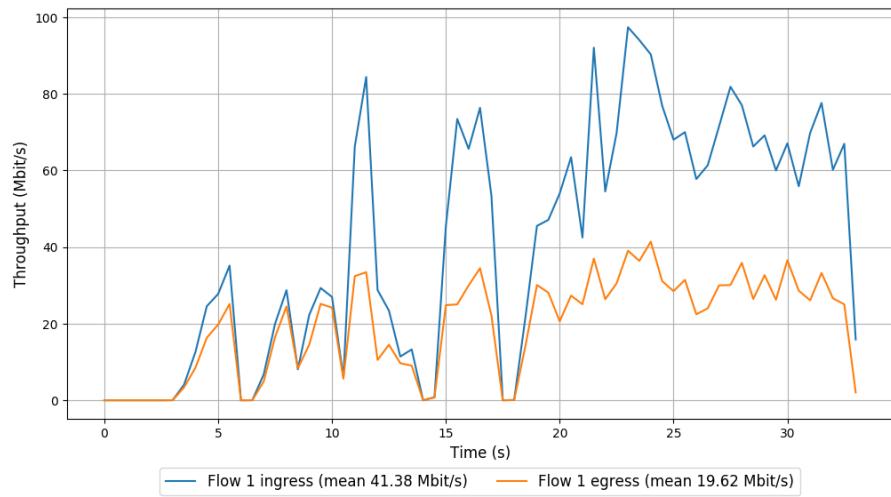


Run 3: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 22:24:21 +0000
End at: Tue, 13 Jun 2017 22:24:51 +0000
Local clock offset: 2.4 ms
Remote clock offset: 0.203 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:55:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 45.380 ms
Loss rate: 52.66%
-- Flow 1:
Average throughput: 19.62 Mbit/s
95th percentile per-packet one-way delay: 45.380 ms
Loss rate: 52.66%
```

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

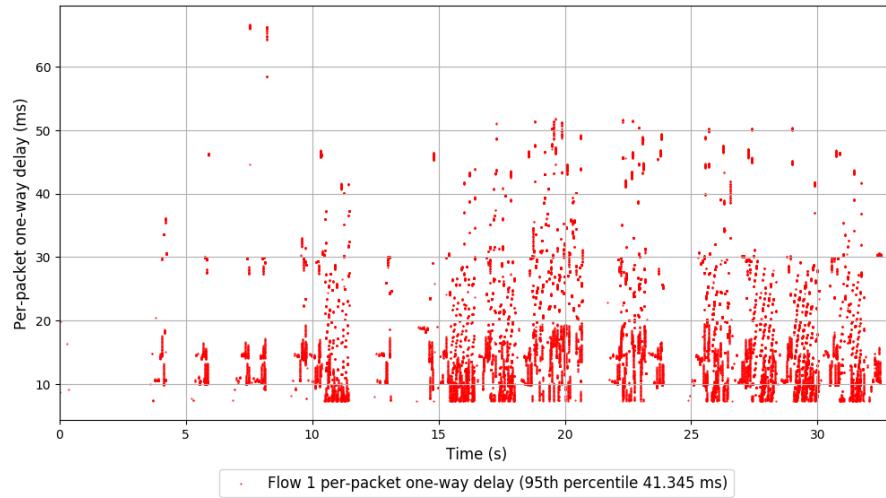
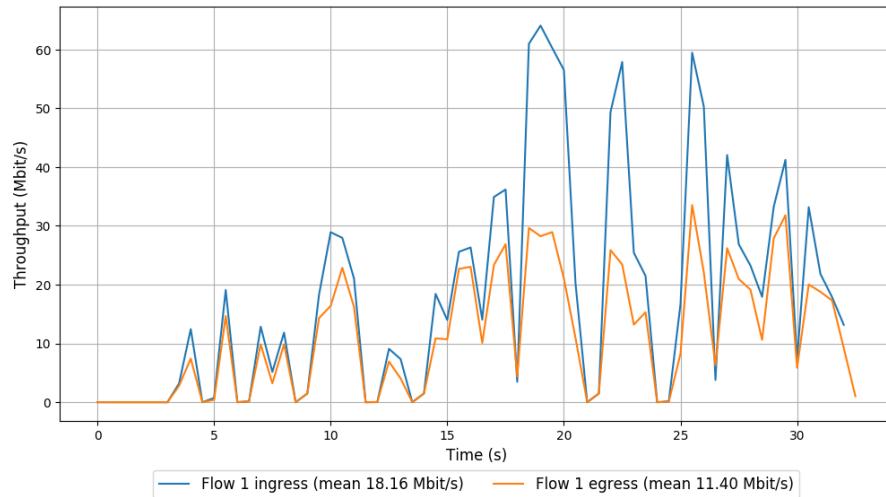


Run 4: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 22:42:36 +0000
End at: Tue, 13 Jun 2017 22:43:07 +0000
Local clock offset: 4.602 ms
Remote clock offset: 0.54 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:55:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 41.345 ms
Loss rate: 37.19%
-- Flow 1:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 41.345 ms
Loss rate: 37.19%
```

## Run 4: Report of Verus — Data Link

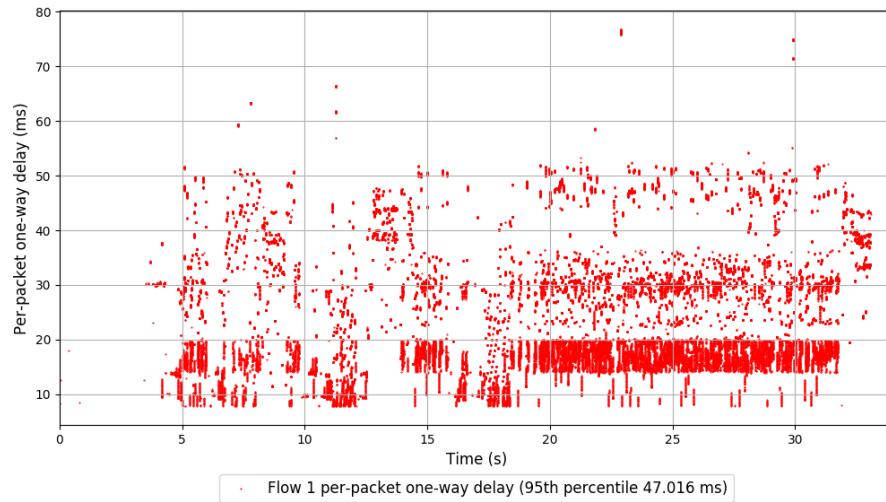
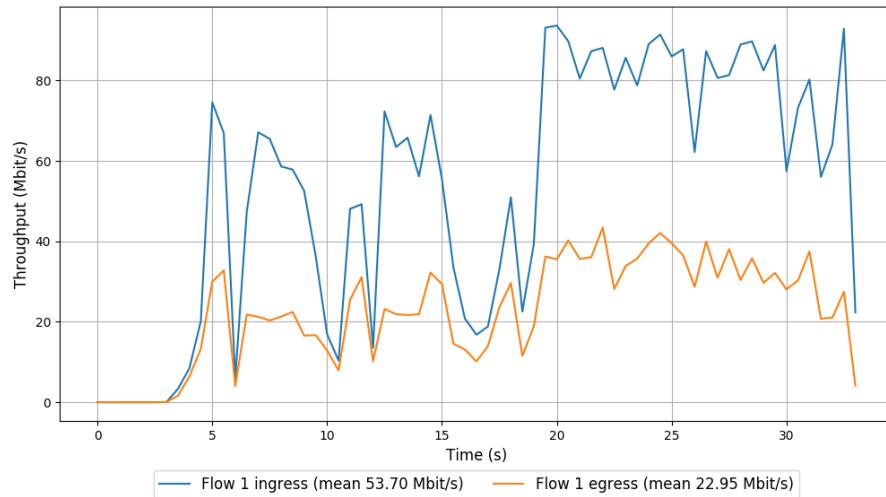


Run 5: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 23:00:56 +0000
End at: Tue, 13 Jun 2017 23:01:26 +0000
Local clock offset: 5.488 ms
Remote clock offset: 1.226 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:55:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.95 Mbit/s
95th percentile per-packet one-way delay: 47.016 ms
Loss rate: 57.33%
-- Flow 1:
Average throughput: 22.95 Mbit/s
95th percentile per-packet one-way delay: 47.016 ms
Loss rate: 57.33%
```

## Run 5: Report of Verus — Data Link

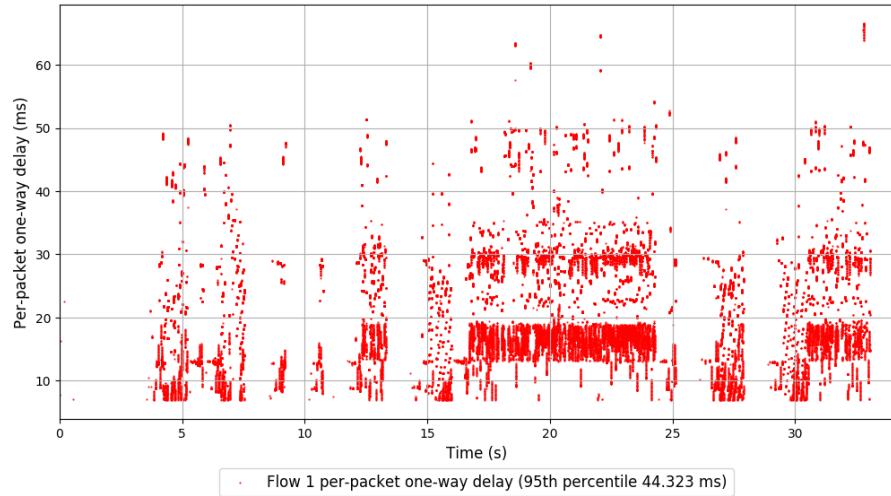
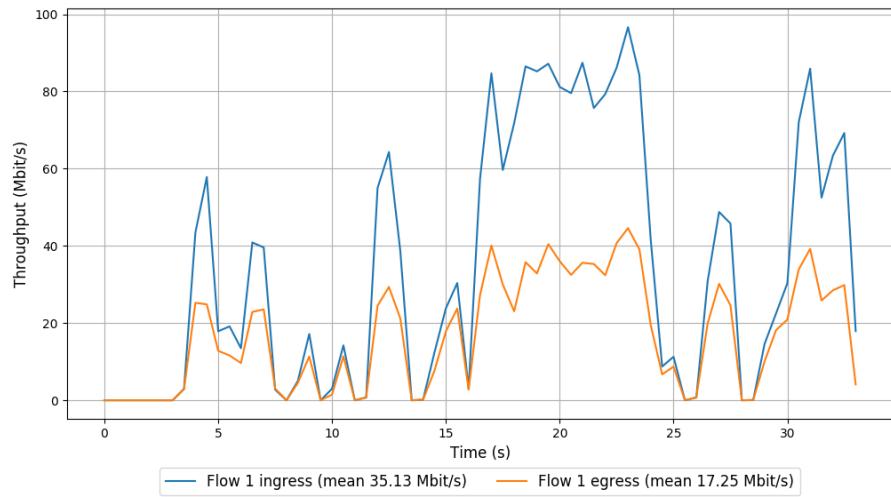


Run 6: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 23:19:32 +0000
End at: Tue, 13 Jun 2017 23:20:02 +0000
Local clock offset: 4.572 ms
Remote clock offset: 1.156 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:55:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.25 Mbit/s
95th percentile per-packet one-way delay: 44.323 ms
Loss rate: 50.95%
-- Flow 1:
Average throughput: 17.25 Mbit/s
95th percentile per-packet one-way delay: 44.323 ms
Loss rate: 50.95%
```

## Run 6: Report of Verus — Data Link

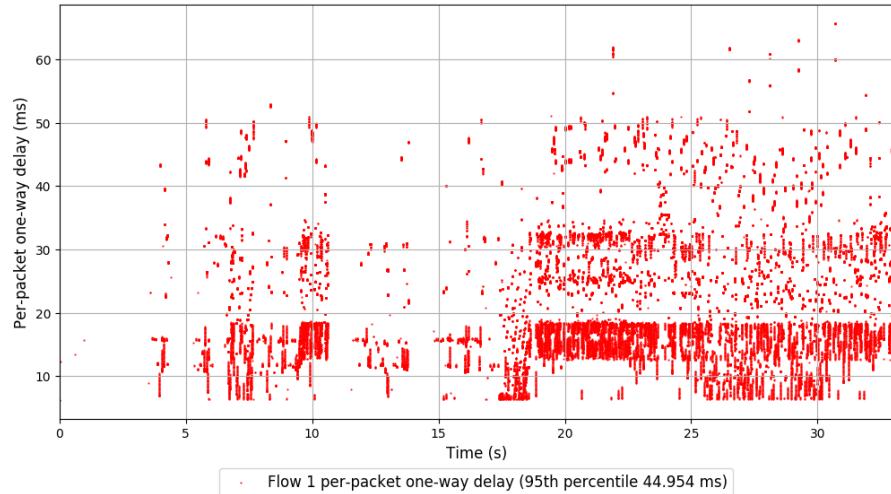
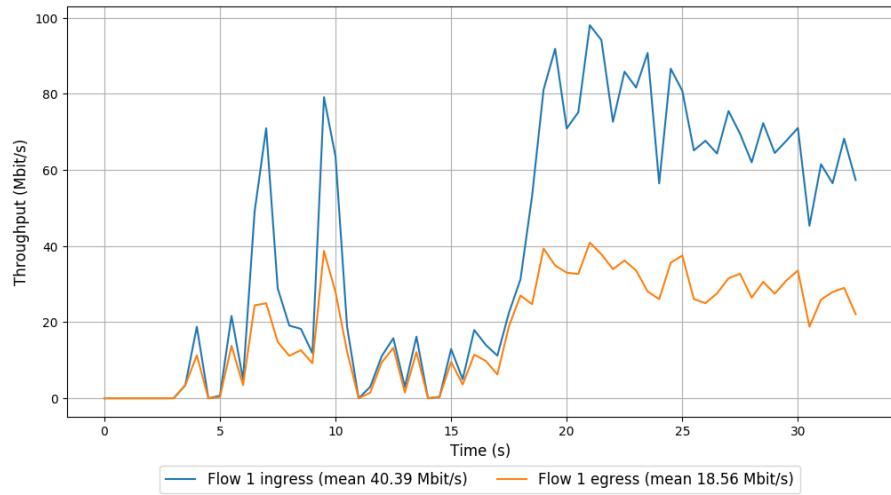


Run 7: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 23:37:50 +0000
End at: Tue, 13 Jun 2017 23:38:20 +0000
Local clock offset: 6.986 ms
Remote clock offset: -1.08 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:56:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 44.954 ms
Loss rate: 54.02%
-- Flow 1:
Average throughput: 18.56 Mbit/s
95th percentile per-packet one-way delay: 44.954 ms
Loss rate: 54.02%
```

## Run 7: Report of Verus — Data Link

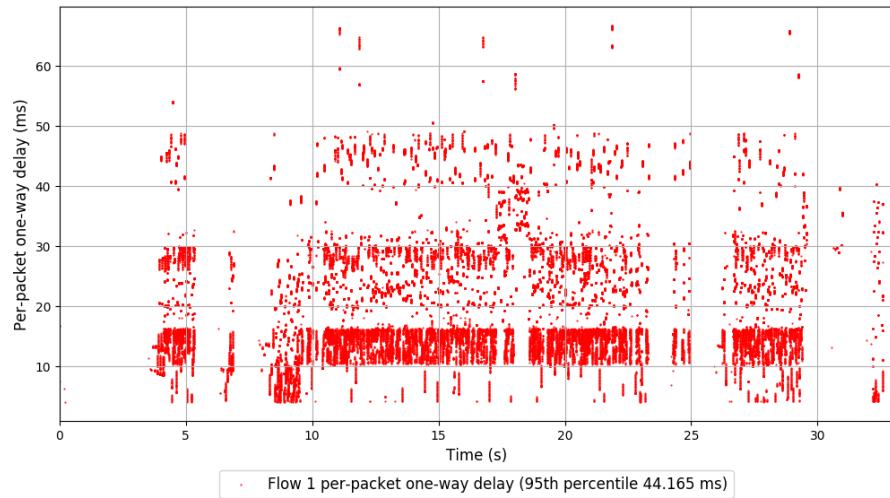
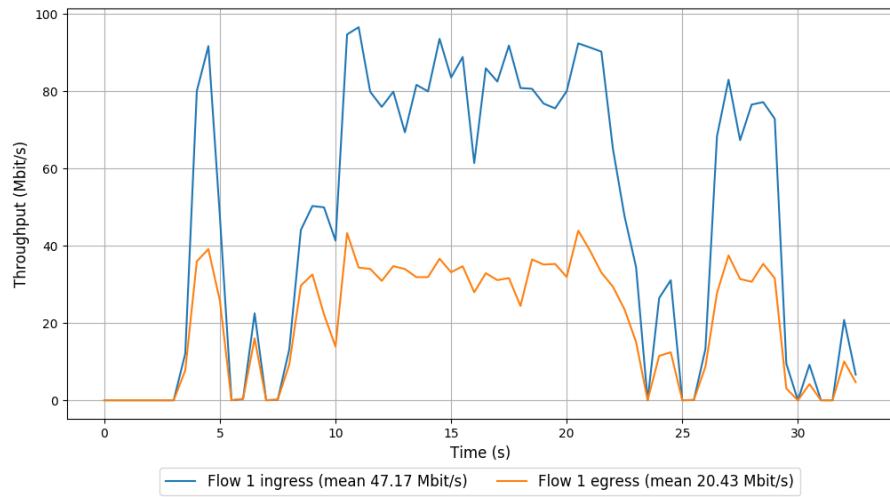


Run 8: Statistics of Verus

```
Start at: Tue, 13 Jun 2017 23:56:15 +0000
End at: Tue, 13 Jun 2017 23:56:45 +0000
Local clock offset: -0.595 ms
Remote clock offset: 0.495 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:56:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.43 Mbit/s
95th percentile per-packet one-way delay: 44.165 ms
Loss rate: 56.70%
-- Flow 1:
Average throughput: 20.43 Mbit/s
95th percentile per-packet one-way delay: 44.165 ms
Loss rate: 56.70%
```

### Run 8: Report of Verus — Data Link

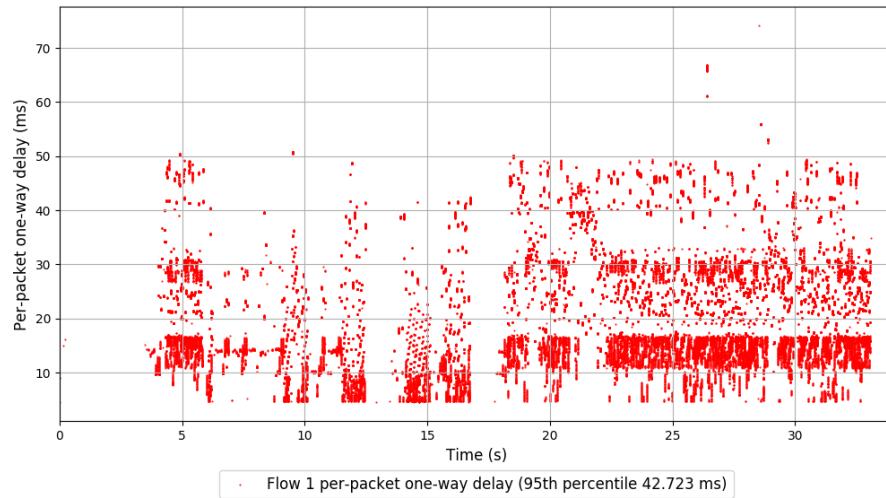
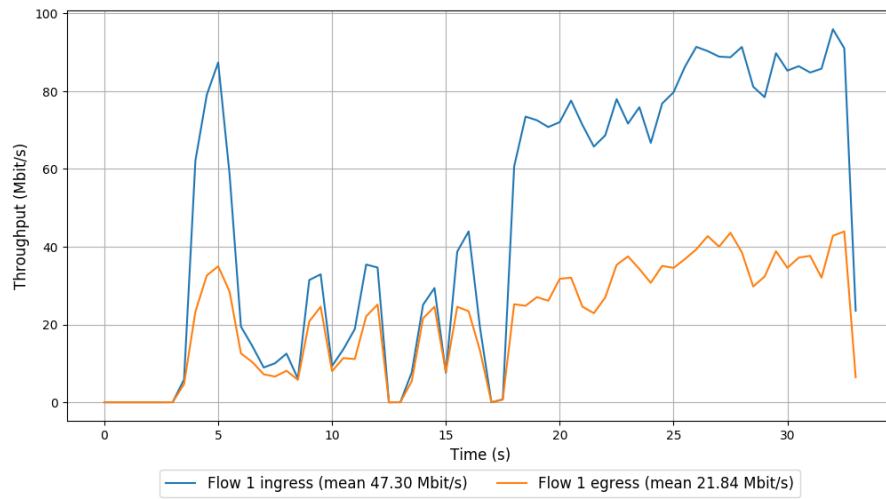


Run 9: Statistics of Verus

```
Start at: Wed, 14 Jun 2017 00:14:42 +0000
End at: Wed, 14 Jun 2017 00:15:12 +0000
Local clock offset: 7.545 ms
Remote clock offset: -0.44 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:56:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 42.723 ms
Loss rate: 53.90%
-- Flow 1:
Average throughput: 21.84 Mbit/s
95th percentile per-packet one-way delay: 42.723 ms
Loss rate: 53.90%
```

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

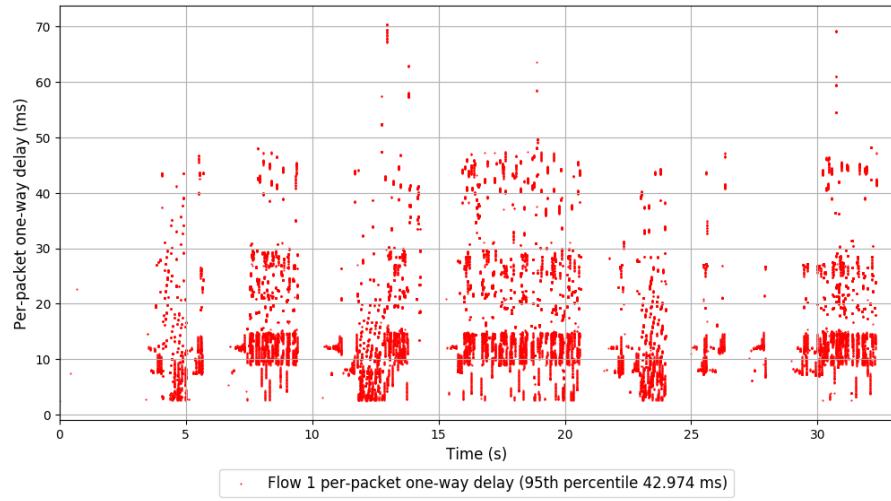
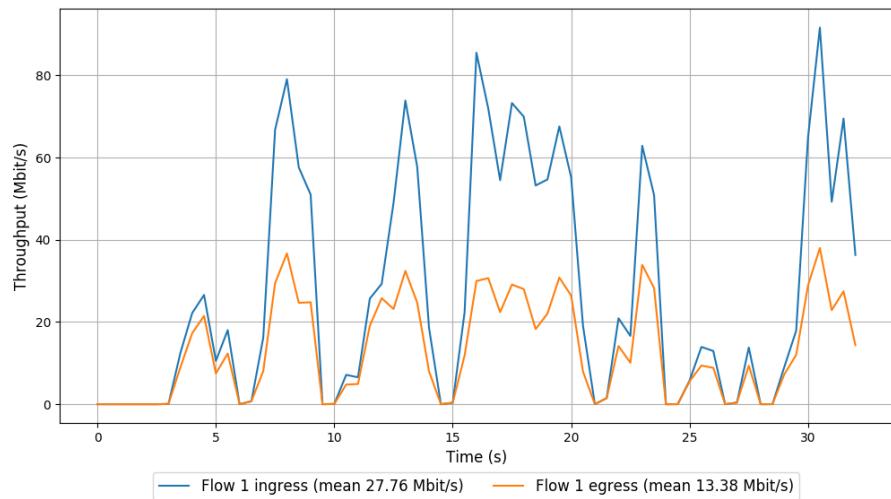


Run 10: Statistics of Verus

```
Start at: Wed, 14 Jun 2017 00:33:22 +0000
End at: Wed, 14 Jun 2017 00:33:52 +0000
Local clock offset: 7.752 ms
Remote clock offset: 1.138 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:56:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.38 Mbit/s
95th percentile per-packet one-way delay: 42.974 ms
Loss rate: 51.79%
-- Flow 1:
Average throughput: 13.38 Mbit/s
95th percentile per-packet one-way delay: 42.974 ms
Loss rate: 51.79%
```

Run 10: Report of Verus — Data Link

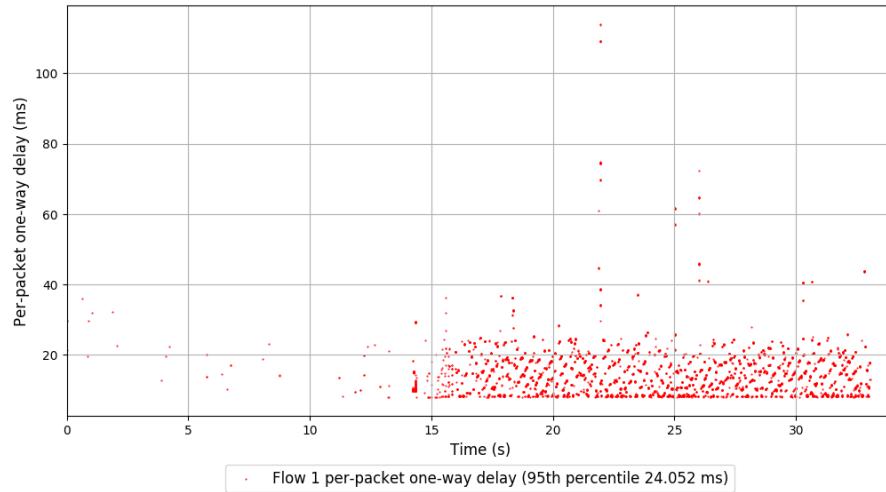
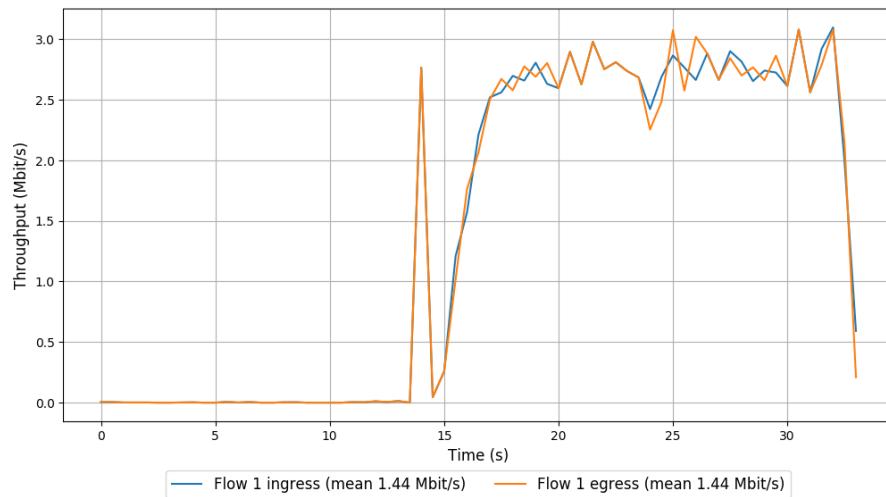


```
Run 1: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 21:35:53 +0000
End at: Tue, 13 Jun 2017 21:36:23 +0000
Local clock offset: 6.156 ms
Remote clock offset: 0.085 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:56:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 24.052 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 24.052 ms
Loss rate: 0.40%
```

Run 1: Report of WebRTC media — Data Link

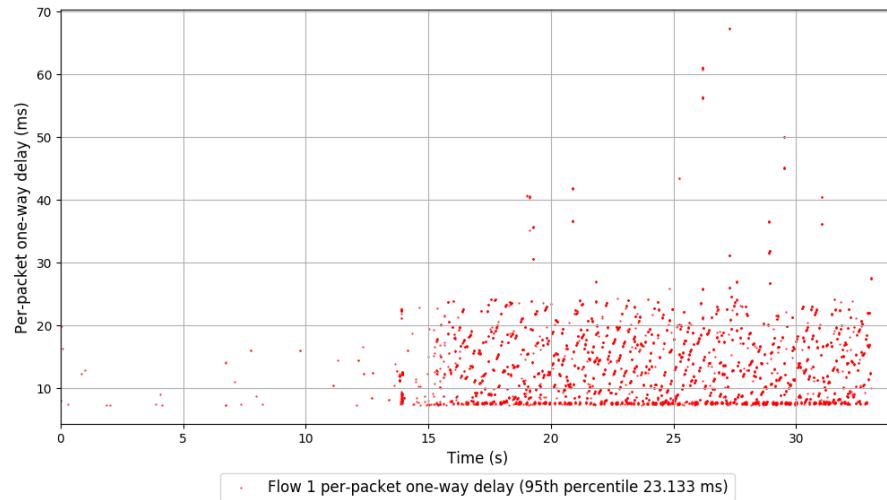
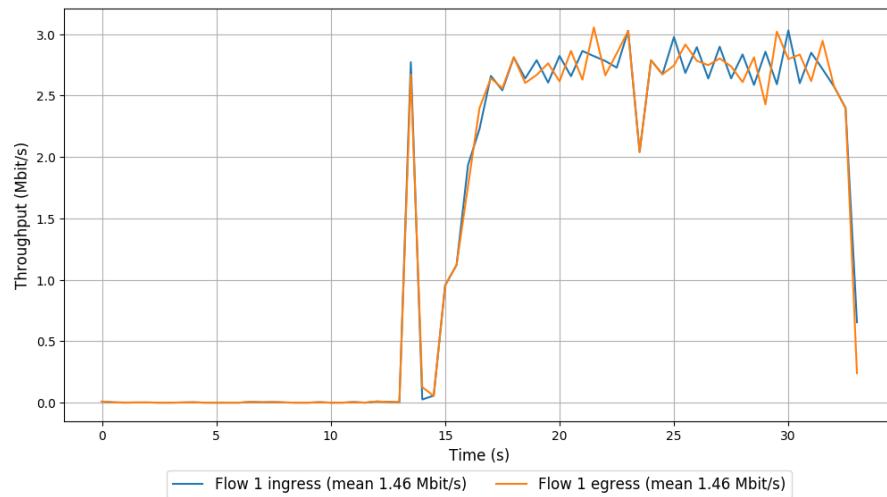


Run 2: Statistics of WebRTC media

```
Start at: Tue, 13 Jun 2017 21:54:34 +0000
End at: Tue, 13 Jun 2017 21:55:04 +0000
Local clock offset: -0.426 ms
Remote clock offset: 0.792 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:56:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 23.133 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 23.133 ms
Loss rate: 0.43%
```

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

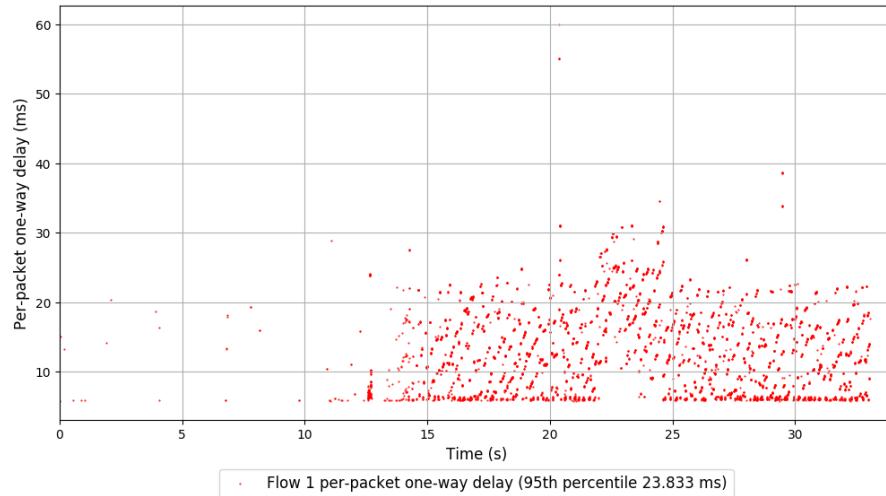
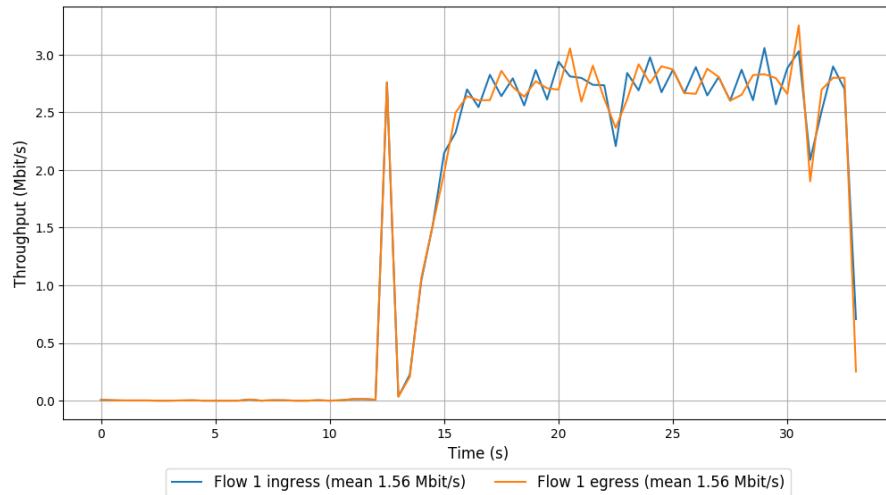


```
Run 3: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 22:13:06 +0000
End at: Tue, 13 Jun 2017 22:13:36 +0000
Local clock offset: 2.696 ms
Remote clock offset: -0.35 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:56:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 23.833 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 23.833 ms
Loss rate: 0.44%
```

### Run 3: Report of WebRTC media — Data Link

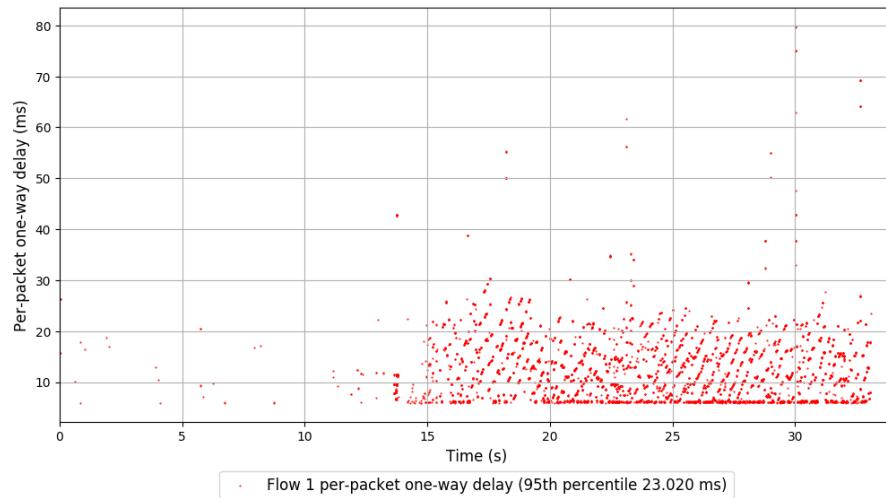
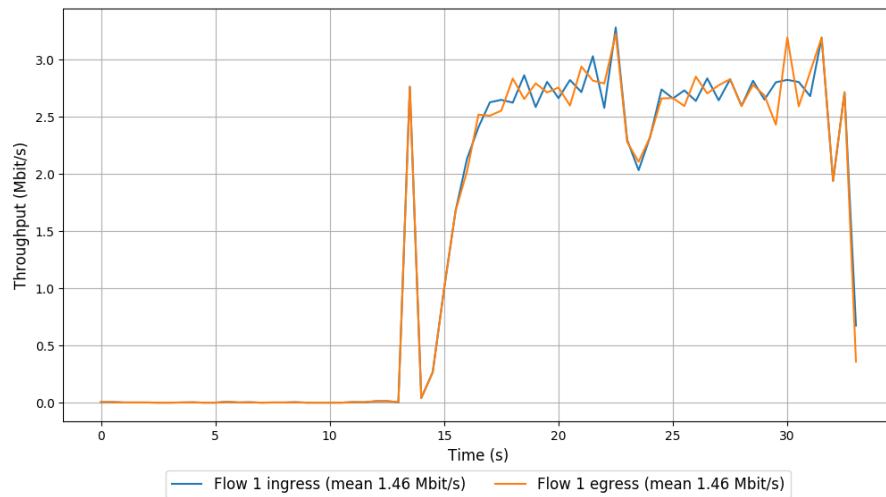


Run 4: Statistics of WebRTC media

```
Start at: Tue, 13 Jun 2017 22:31:40 +0000
End at: Tue, 13 Jun 2017 22:32:10 +0000
Local clock offset: 5.77 ms
Remote clock offset: 0.421 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:56:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 23.020 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 23.020 ms
Loss rate: 0.32%
```

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

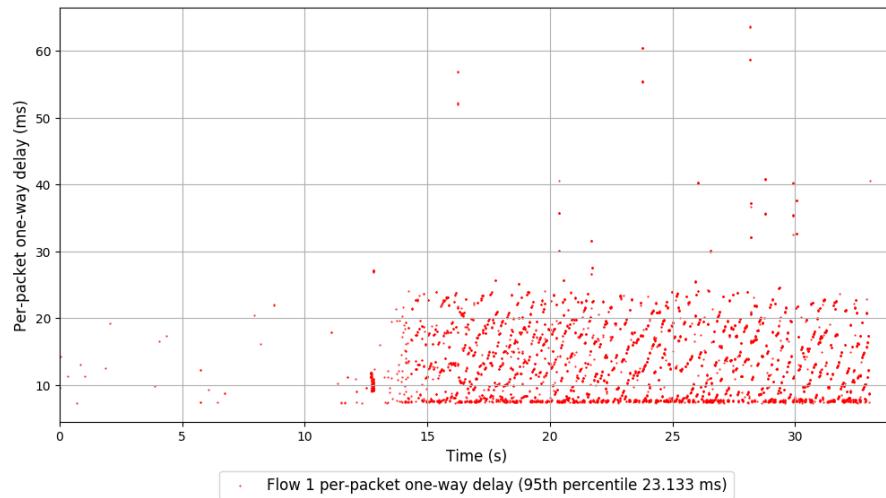
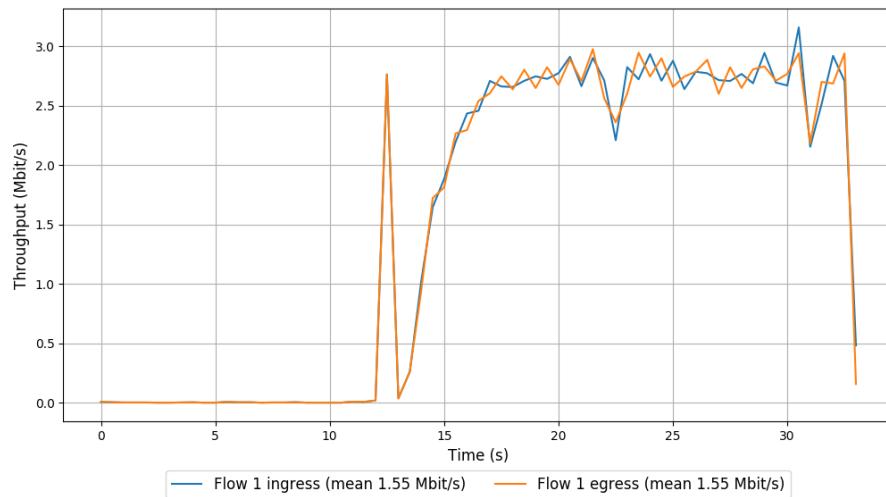


```
Run 5: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 22:49:49 +0000
End at: Tue, 13 Jun 2017 22:50:19 +0000
Local clock offset: 4.105 ms
Remote clock offset: -0.858 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:57:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 23.133 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 23.133 ms
Loss rate: 0.32%
```

Run 5: Report of WebRTC media — Data Link

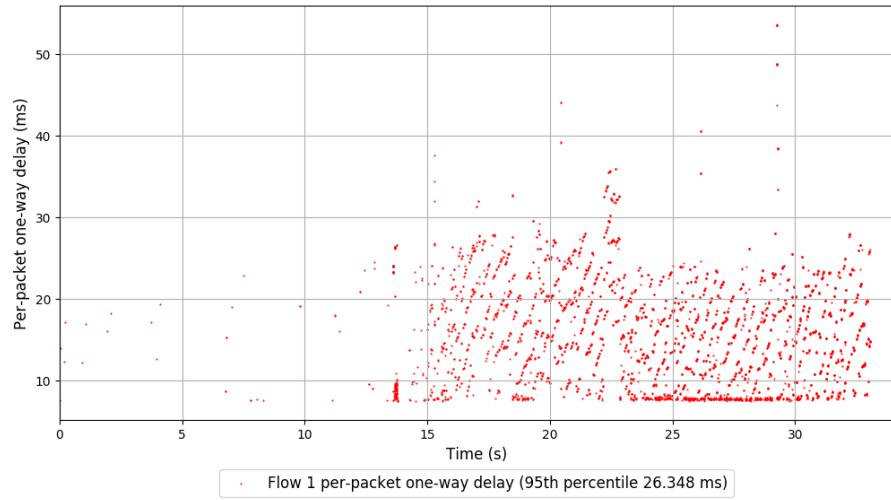
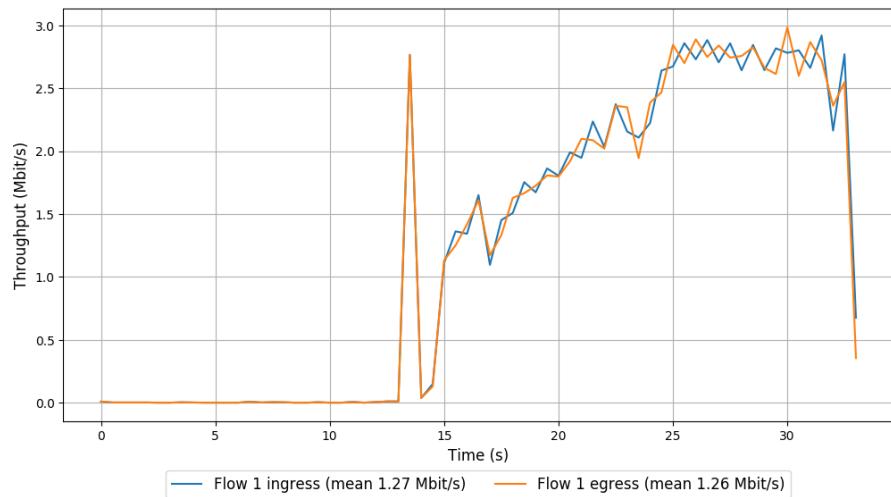


```
Run 6: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 23:08:14 +0000
End at: Tue, 13 Jun 2017 23:08:44 +0000
Local clock offset: 3.402 ms
Remote clock offset: -0.007 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:57:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 26.348 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 26.348 ms
Loss rate: 0.65%
```

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



Run 7: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 23:26:42 +0000

End at: Tue, 13 Jun 2017 23:27:12 +0000

Local clock offset: 3.917 ms

Remote clock offset: 0.722 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:57:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 30.706 ms

Loss rate: 0.60%

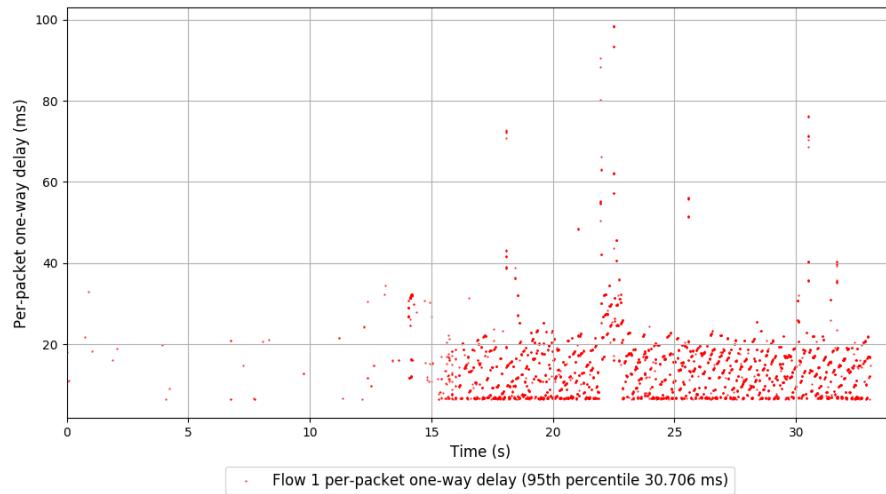
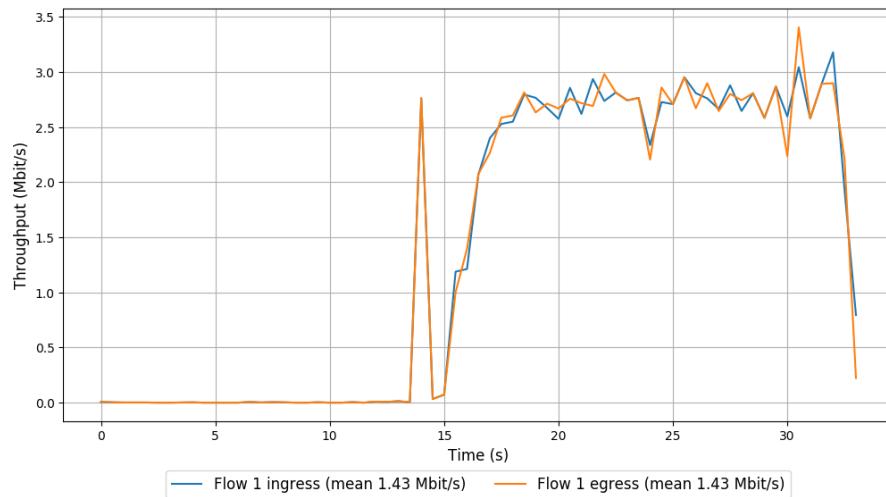
-- Flow 1:

Average throughput: 1.43 Mbit/s

95th percentile per-packet one-way delay: 30.706 ms

Loss rate: 0.60%

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

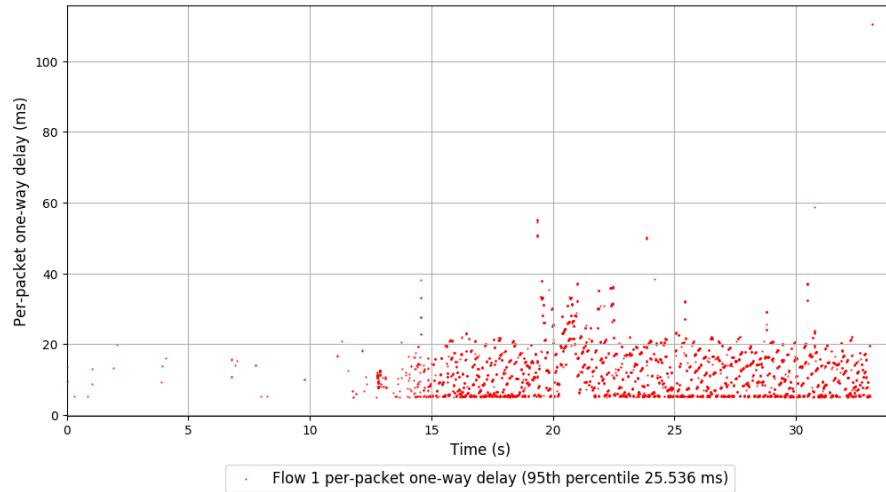
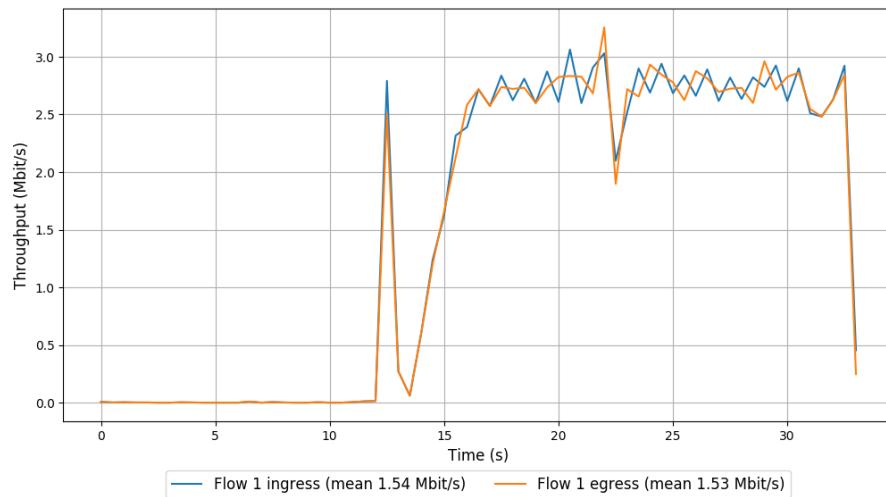


```
Run 8: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 23:45:06 +0000
End at: Tue, 13 Jun 2017 23:45:36 +0000
Local clock offset: -2.601 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:57:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 25.536 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 25.536 ms
Loss rate: 0.56%
```

Run 8: Report of WebRTC media — Data Link

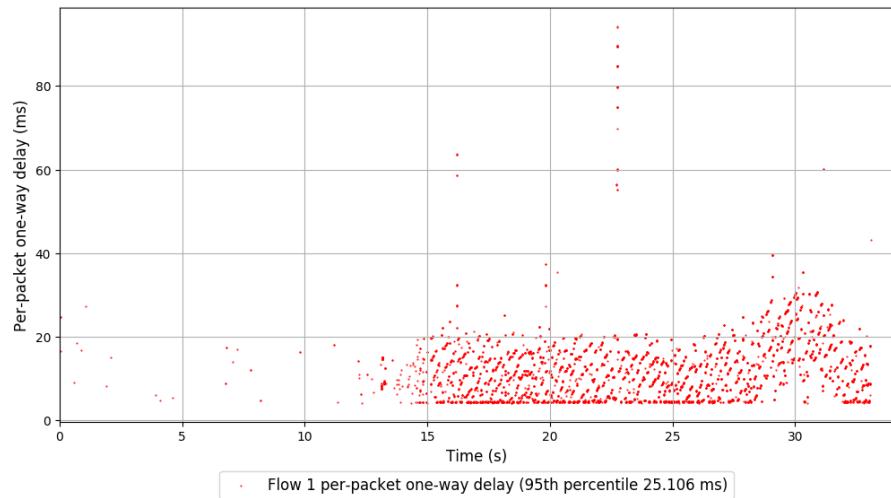
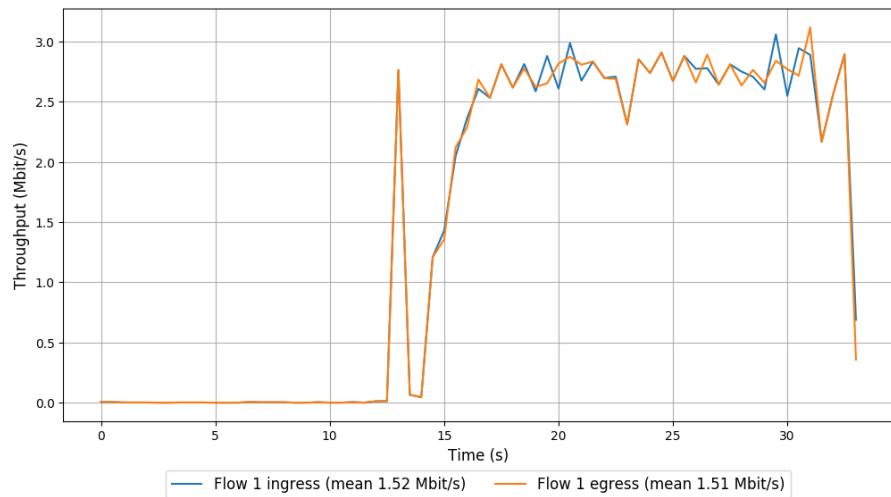


Run 9: Statistics of WebRTC media

```
Start at: Wed, 14 Jun 2017 00:03:23 +0000
End at: Wed, 14 Jun 2017 00:03:53 +0000
Local clock offset: 4.285 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:57:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 25.106 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 1.51 Mbit/s
95th percentile per-packet one-way delay: 25.106 ms
Loss rate: 0.35%
```

### Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: Wed, 14 Jun 2017 00:22:02 +0000
End at: Wed, 14 Jun 2017 00:22:32 +0000
Local clock offset: 10.184 ms
Remote clock offset: -0.797 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 02:57:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 18.842 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 18.842 ms
Loss rate: 0.43%
```

### Run 10: Report of WebRTC media — Data Link

