

Pantheon Summary (Generated at Tue, 27 Jun 2017 07:19:44 +0000 with
pantheon version f1f579919e2382b18c1fb18b676e821e7efc0b62)

Repeated the test of 15 congestion control schemes 10 times.

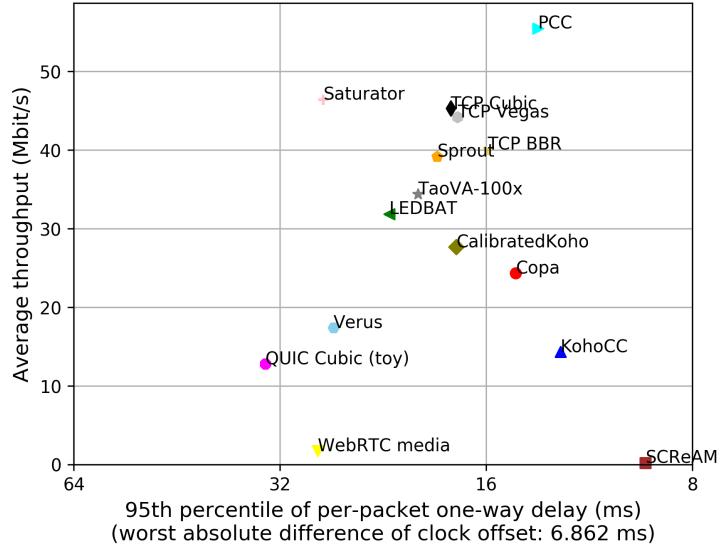
Each test lasted for 30 seconds running 1 flow.

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

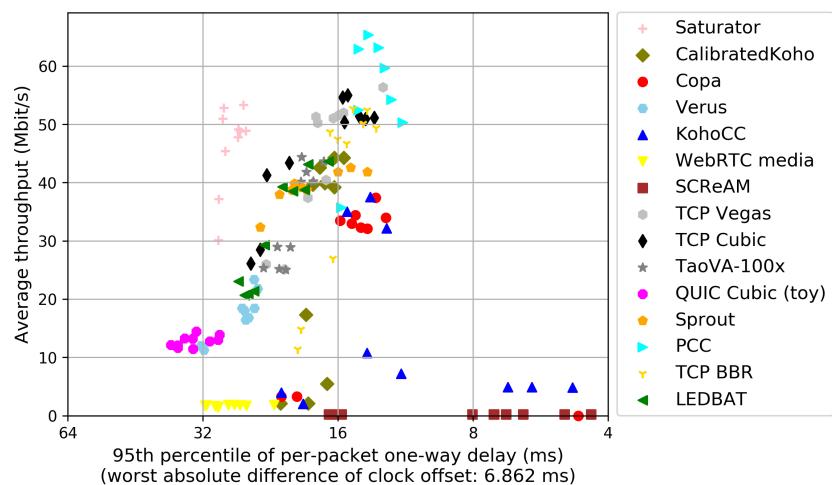
NTP offset measured against gps.ntp.br.

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

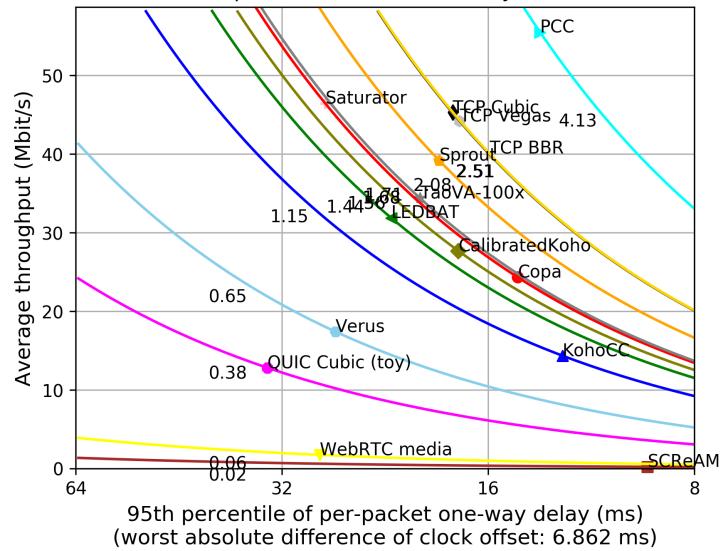
test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
mean of all runs by scheme



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



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

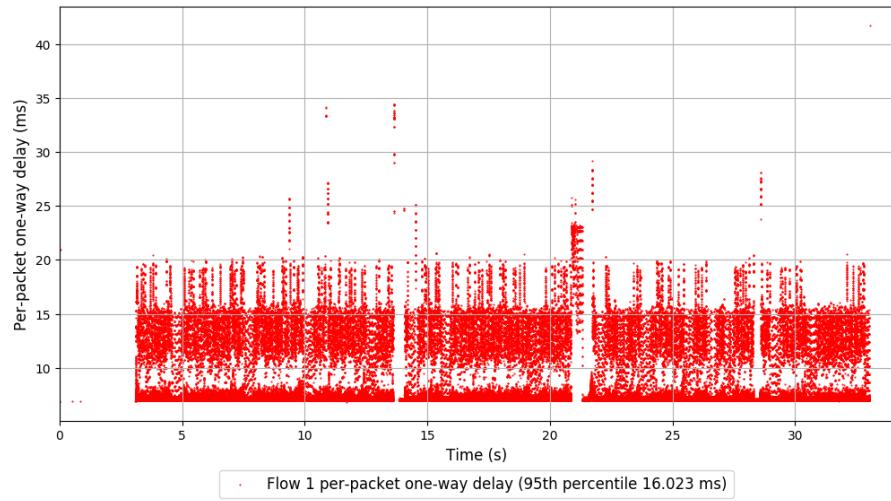
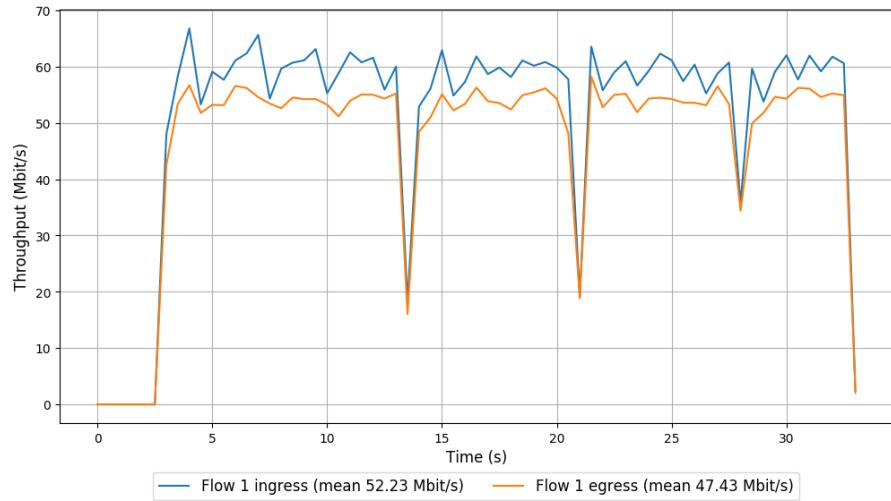


Run 1: Statistics of TCP BBR

```
Start at: Tue, 27 Jun 2017 01:22:29 +0000
End at: Tue, 27 Jun 2017 01:22:59 +0000
Local clock offset: -5.242 ms
Remote clock offset: -0.387 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:53:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.43 Mbit/s
95th percentile per-packet one-way delay: 16.023 ms
Loss rate: 9.13%
-- Flow 1:
Average throughput: 47.43 Mbit/s
95th percentile per-packet one-way delay: 16.023 ms
Loss rate: 9.13%
```

Run 1: Report of TCP BBR — Data Link

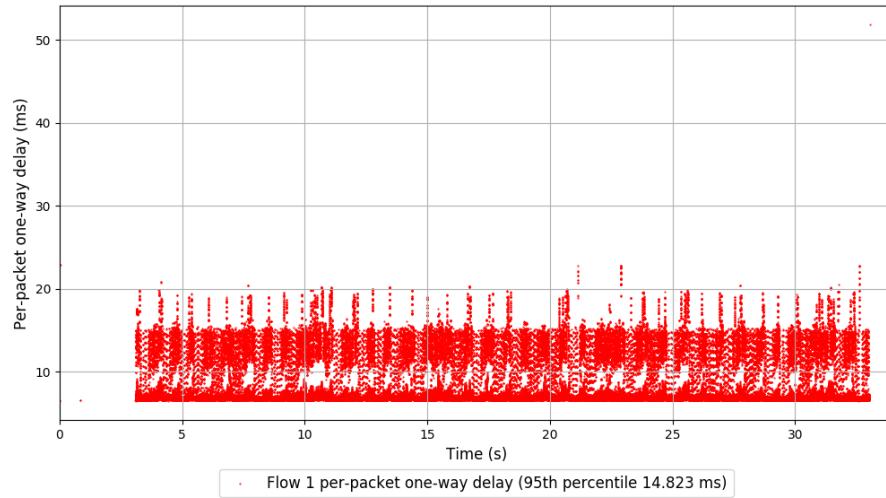
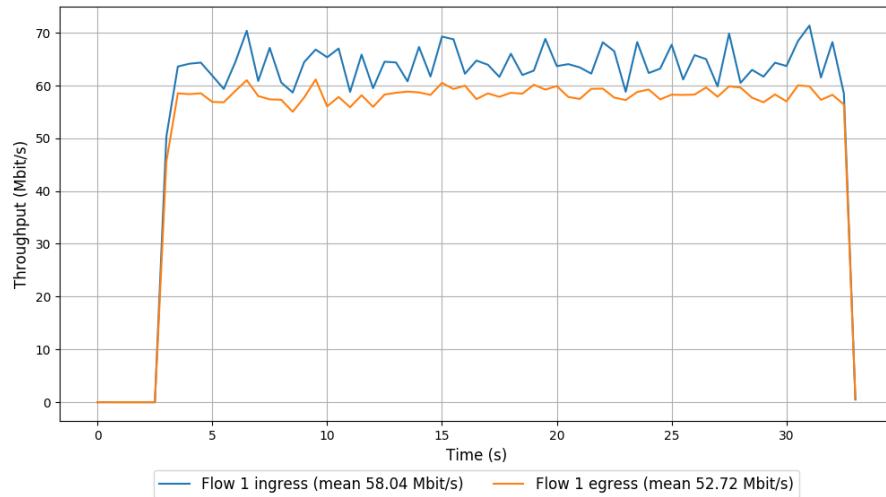


Run 2: Statistics of TCP BBR

```
Start at: Tue, 27 Jun 2017 01:41:00 +0000
End at: Tue, 27 Jun 2017 01:41:30 +0000
Local clock offset: -4.807 ms
Remote clock offset: -0.282 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:53:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.72 Mbit/s
95th percentile per-packet one-way delay: 14.823 ms
Loss rate: 9.07%
-- Flow 1:
Average throughput: 52.72 Mbit/s
95th percentile per-packet one-way delay: 14.823 ms
Loss rate: 9.07%
```

Run 2: Report of TCP BBR — Data Link

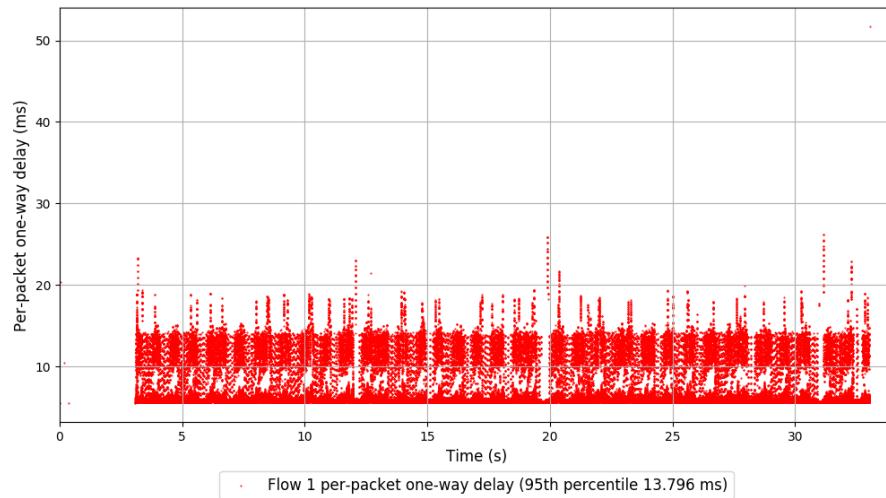
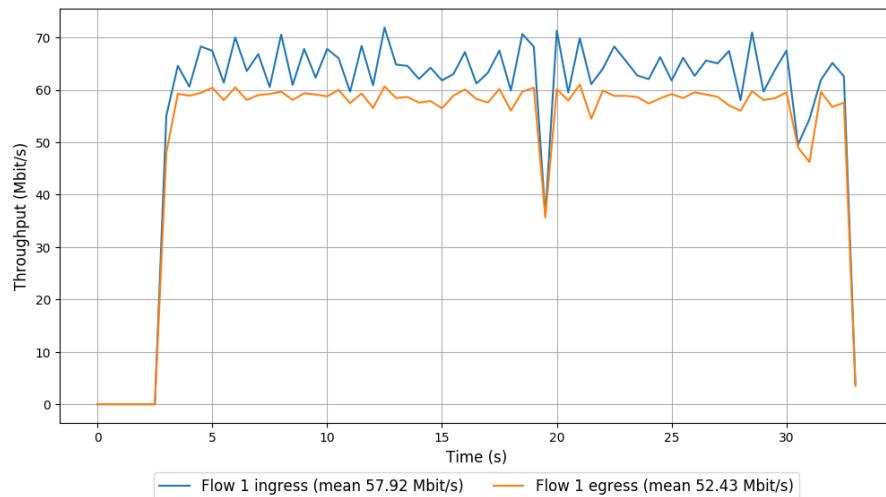


Run 3: Statistics of TCP BBR

```
Start at: Tue, 27 Jun 2017 01:59:41 +0000
End at: Tue, 27 Jun 2017 02:00:11 +0000
Local clock offset: -3.794 ms
Remote clock offset: -0.287 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:54:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.43 Mbit/s
95th percentile per-packet one-way delay: 13.796 ms
Loss rate: 9.37%
-- Flow 1:
Average throughput: 52.43 Mbit/s
95th percentile per-packet one-way delay: 13.796 ms
Loss rate: 9.37%
```

Run 3: Report of TCP BBR — Data Link

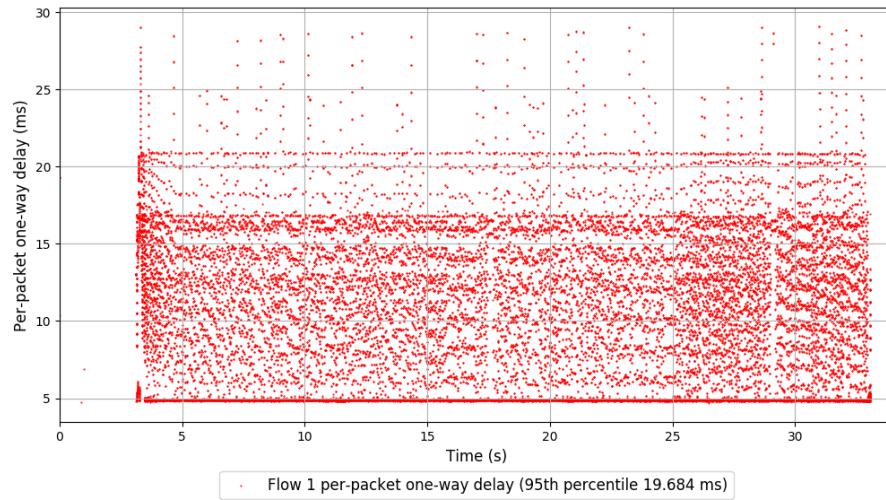
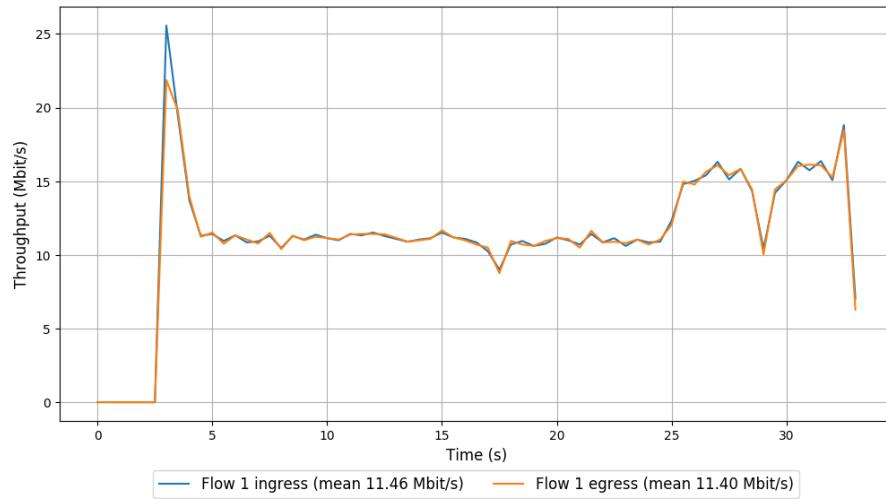


Run 4: Statistics of TCP BBR

```
Start at: Tue, 27 Jun 2017 02:18:14 +0000
End at: Tue, 27 Jun 2017 02:18:44 +0000
Local clock offset: -2.871 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:54:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 19.684 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 19.684 ms
Loss rate: 0.56%
```

Run 4: Report of TCP BBR — Data Link

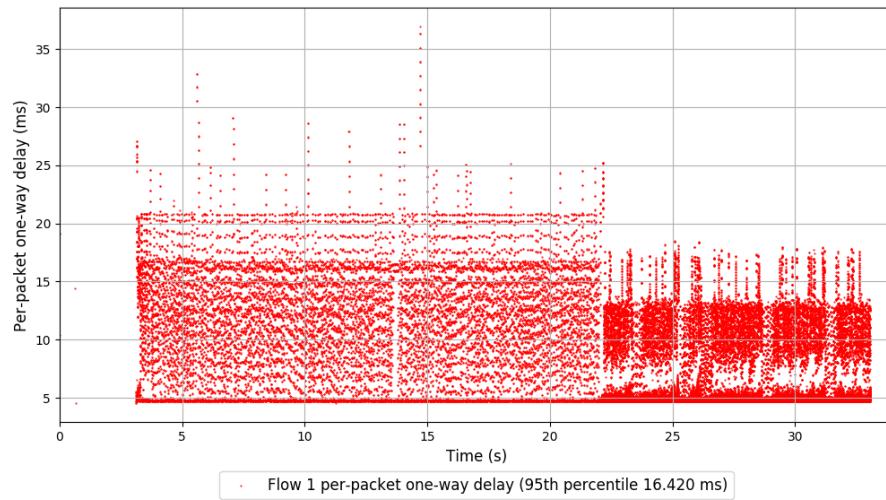
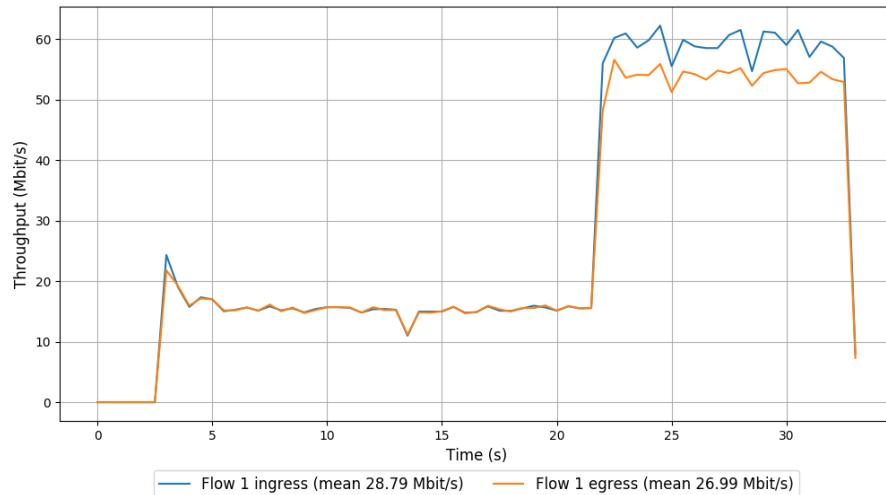


Run 5: Statistics of TCP BBR

```
Start at: Tue, 27 Jun 2017 02:36:08 +0000
End at: Tue, 27 Jun 2017 02:36:38 +0000
Local clock offset: -2.489 ms
Remote clock offset: 0.162 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:54:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 16.420 ms
Loss rate: 6.32%
-- Flow 1:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 16.420 ms
Loss rate: 6.32%
```

Run 5: Report of TCP BBR — Data Link

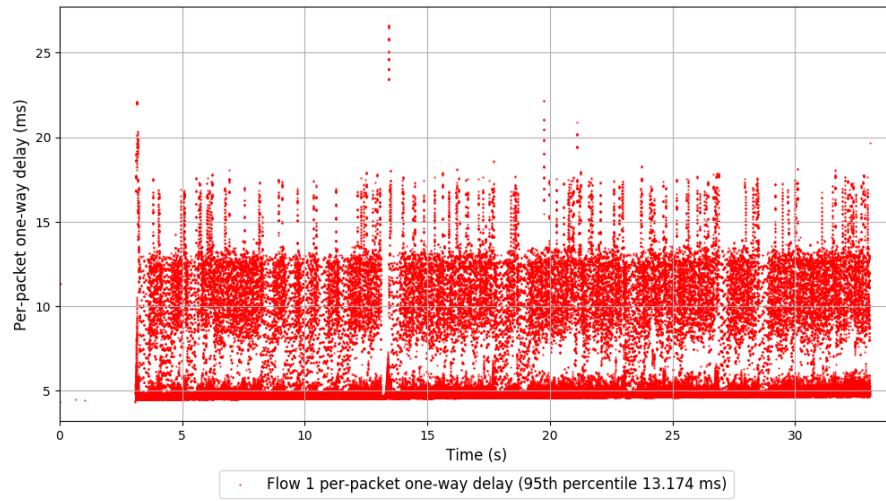
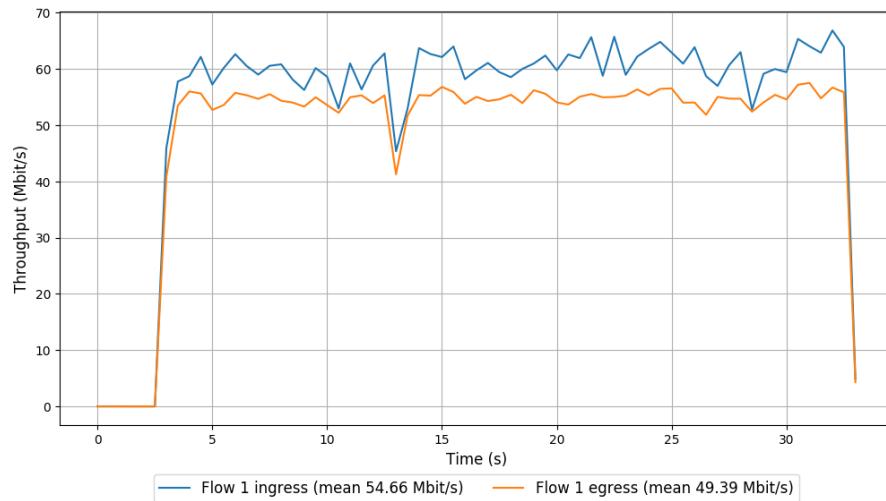


Run 6: Statistics of TCP BBR

```
Start at: Tue, 27 Jun 2017 02:54:27 +0000
End at: Tue, 27 Jun 2017 02:54:57 +0000
Local clock offset: -1.894 ms
Remote clock offset: 0.286 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:54:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 13.174 ms
Loss rate: 9.62%
-- Flow 1:
Average throughput: 49.39 Mbit/s
95th percentile per-packet one-way delay: 13.174 ms
Loss rate: 9.62%
```

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Tue, 27 Jun 2017 03:12:53 +0000

End at: Tue, 27 Jun 2017 03:13:23 +0000

Local clock offset: -3.225 ms

Remote clock offset: 0.389 ms

Below is generated by plot.py at Tue, 27 Jun 2017 06:54:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 14.072 ms

Loss rate: 9.54%

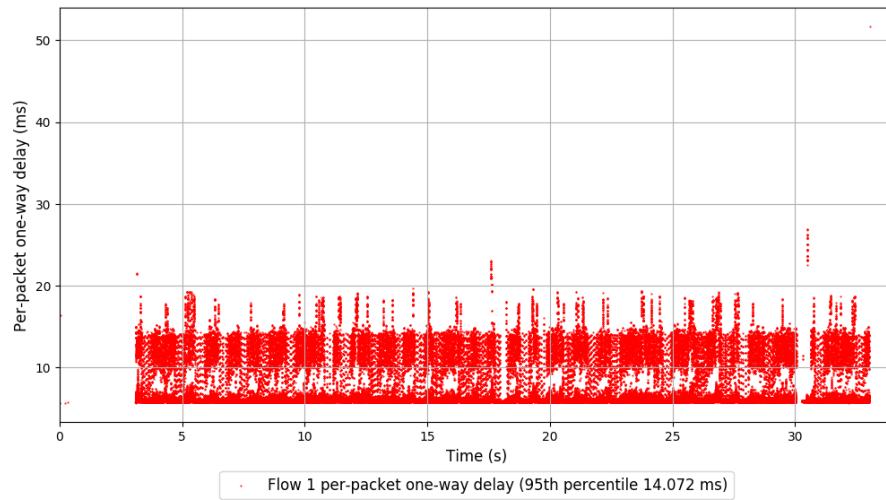
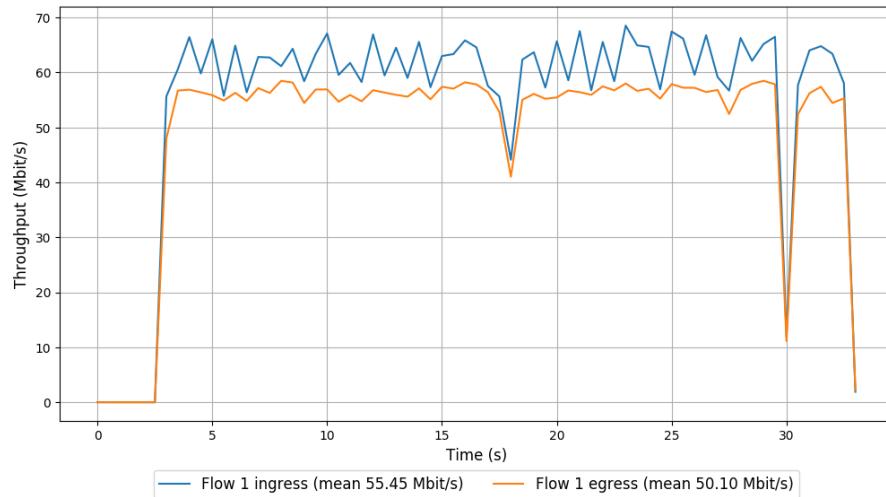
-- Flow 1:

Average throughput: 50.10 Mbit/s

95th percentile per-packet one-way delay: 14.072 ms

Loss rate: 9.54%

Run 7: Report of TCP BBR — Data Link

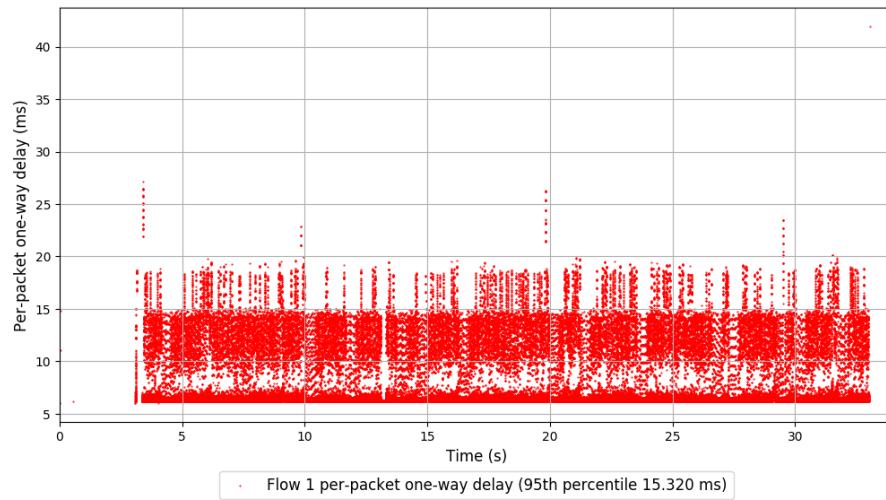
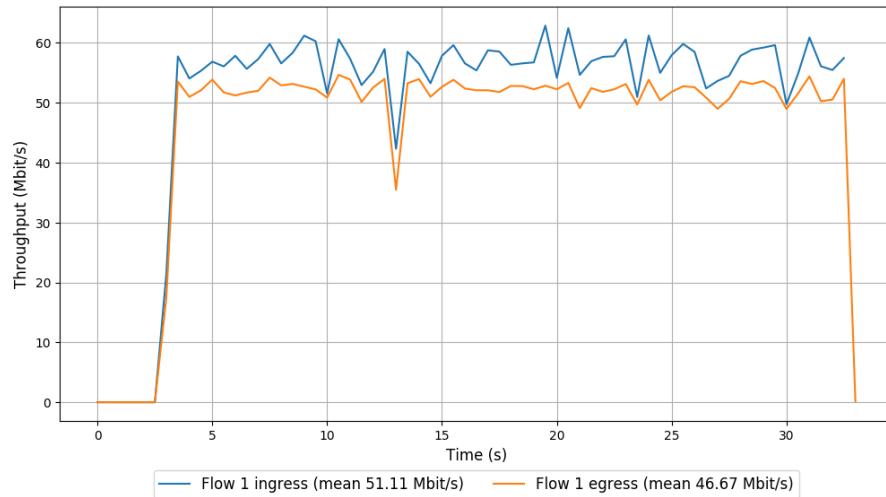


Run 8: Statistics of TCP BBR

```
Start at: Tue, 27 Jun 2017 03:31:04 +0000
End at: Tue, 27 Jun 2017 03:31:34 +0000
Local clock offset: -3.661 ms
Remote clock offset: 0.338 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:55:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 15.320 ms
Loss rate: 8.59%
-- Flow 1:
Average throughput: 46.67 Mbit/s
95th percentile per-packet one-way delay: 15.320 ms
Loss rate: 8.59%
```

Run 8: Report of TCP BBR — Data Link

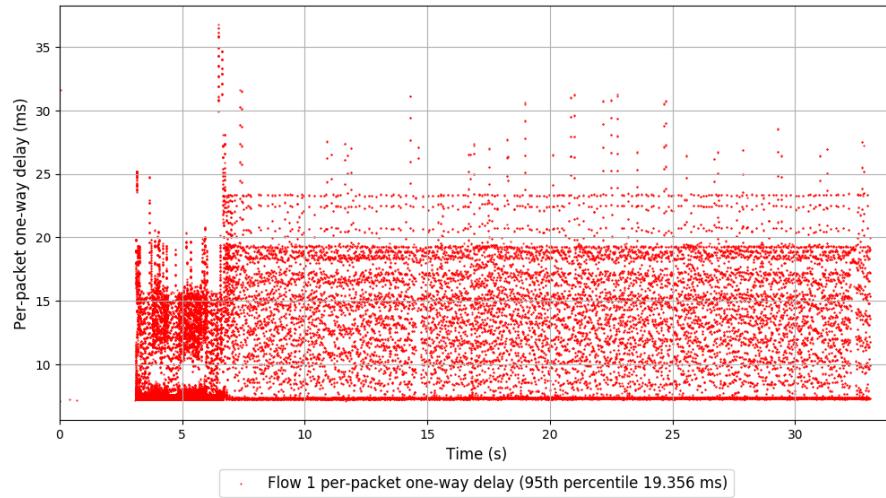
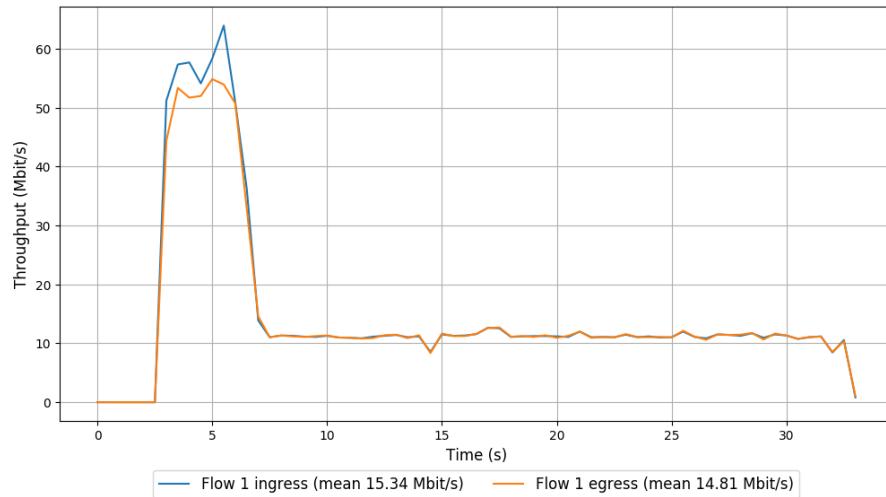


Run 9: Statistics of TCP BBR

```
Start at: Tue, 27 Jun 2017 03:49:46 +0000
End at: Tue, 27 Jun 2017 03:50:16 +0000
Local clock offset: -4.611 ms
Remote clock offset: 0.508 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:55:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 19.356 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 19.356 ms
Loss rate: 3.48%
```

Run 9: Report of TCP BBR — Data Link

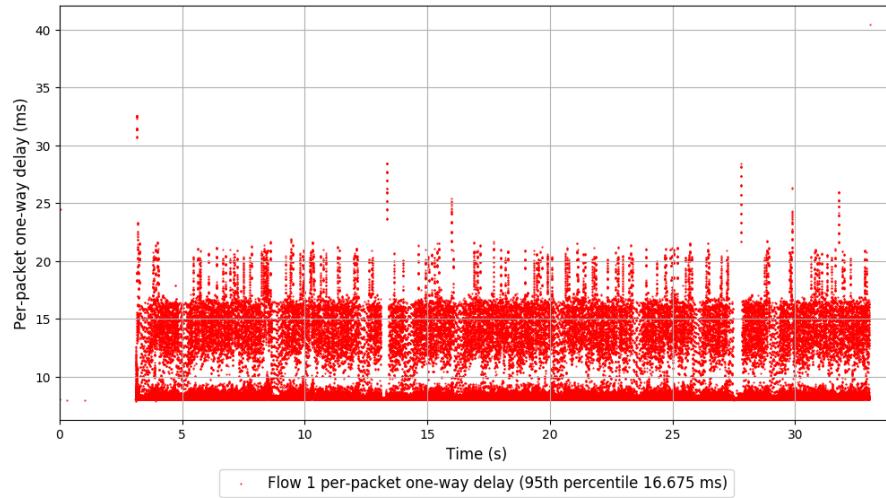
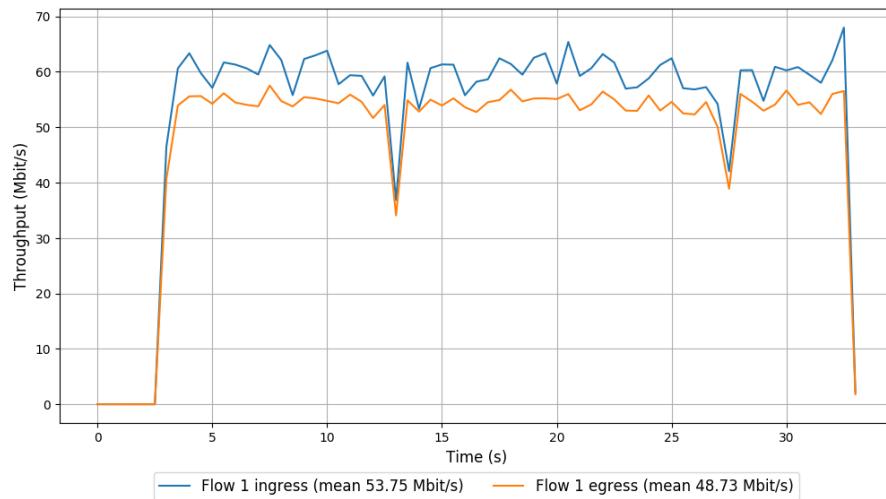


Run 10: Statistics of TCP BBR

```
Start at: Tue, 27 Jun 2017 04:08:29 +0000
End at: Tue, 27 Jun 2017 04:08:59 +0000
Local clock offset: -5.494 ms
Remote clock offset: 0.446 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:55:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 16.675 ms
Loss rate: 9.27%
-- Flow 1:
Average throughput: 48.73 Mbit/s
95th percentile per-packet one-way delay: 16.675 ms
Loss rate: 9.27%
```

Run 10: Report of TCP BBR — Data Link

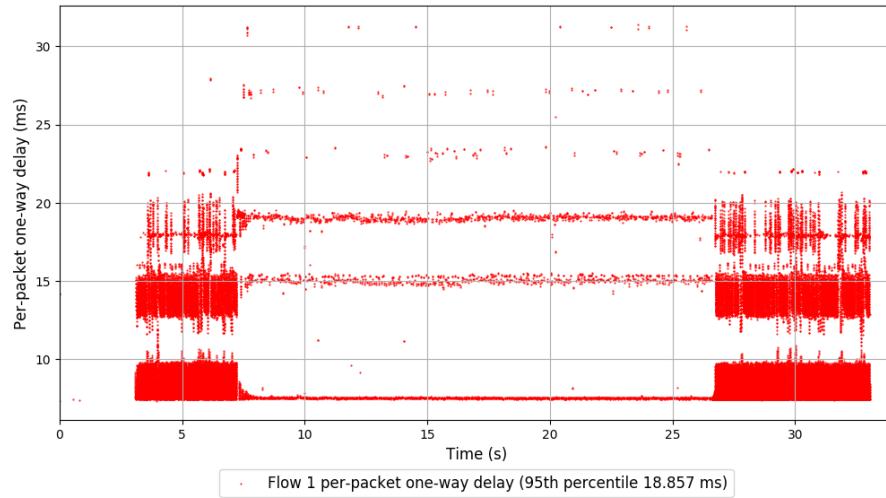
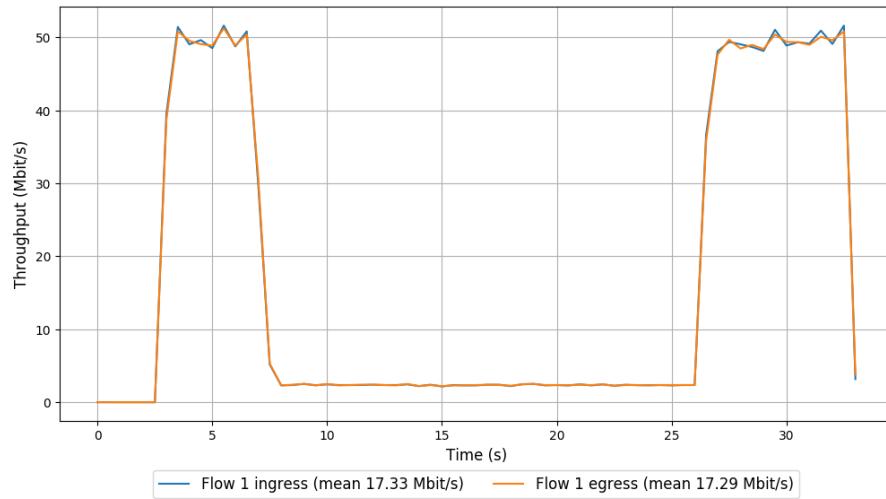


```
Run 1: Statistics of CalibratedKoho

Start at: Tue, 27 Jun 2017 01:11:29 +0000
End at: Tue, 27 Jun 2017 01:11:59 +0000
Local clock offset: -5.634 ms
Remote clock offset: -0.302 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:55:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.29 Mbit/s
95th percentile per-packet one-way delay: 18.857 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 17.29 Mbit/s
95th percentile per-packet one-way delay: 18.857 ms
Loss rate: 0.23%
```

Run 1: Report of CalibratedKoho — Data Link

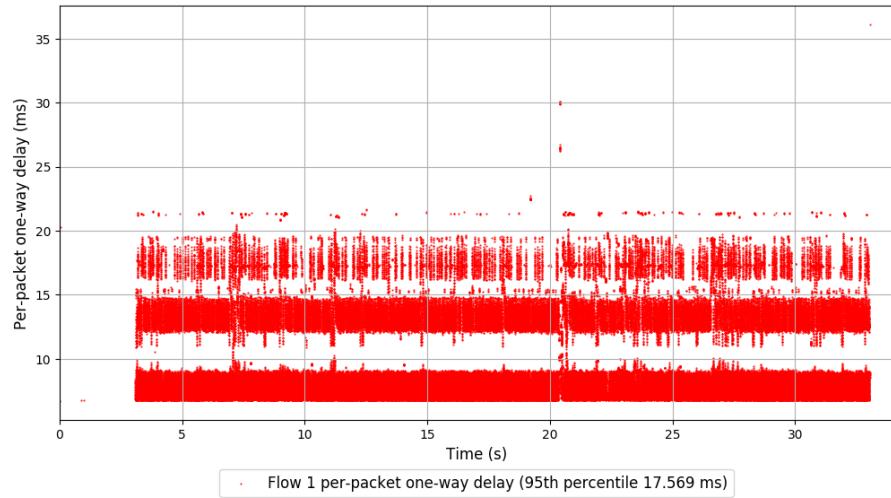
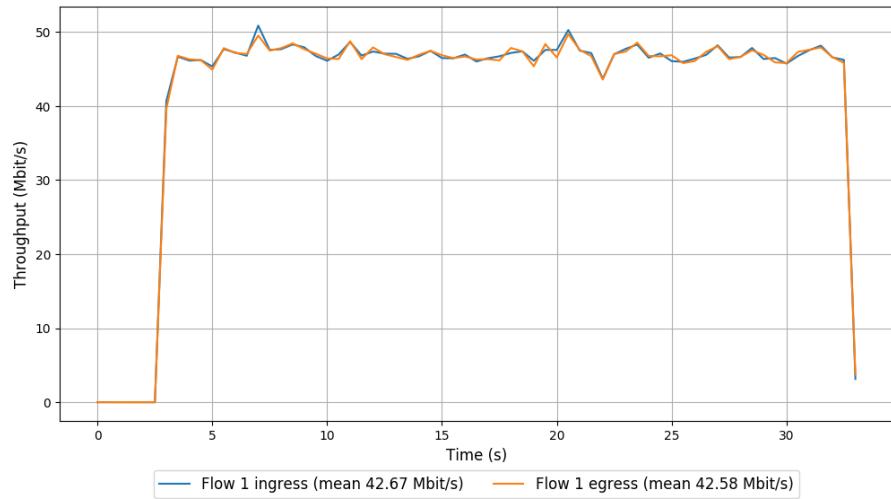


```
Run 2: Statistics of CalibratedKoho
```

```
Start at: Tue, 27 Jun 2017 01:29:42 +0000
End at: Tue, 27 Jun 2017 01:30:12 +0000
Local clock offset: -5.008 ms
Remote clock offset: -0.336 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:55:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 17.569 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 17.569 ms
Loss rate: 0.13%
```

Run 2: Report of CalibratedKoho — Data Link

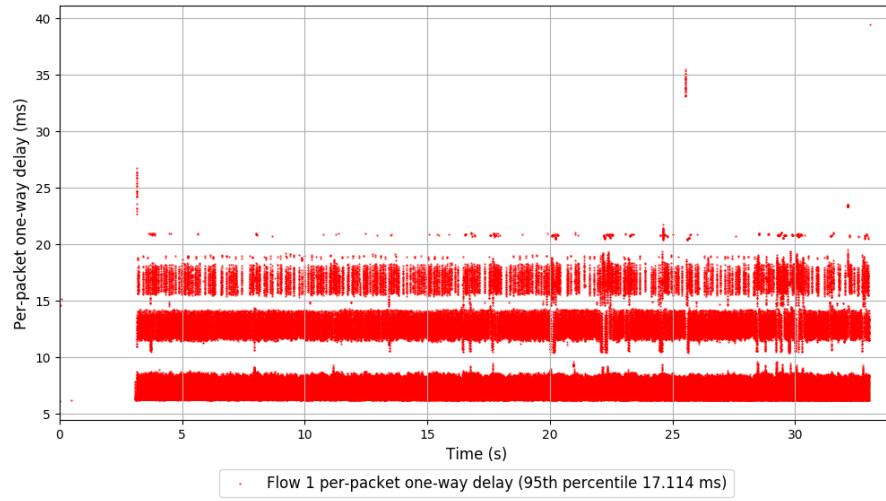
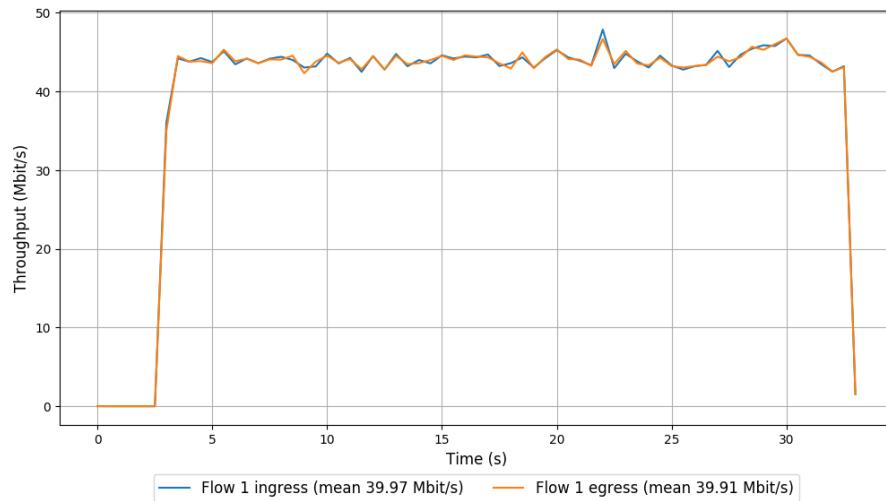


```
Run 3: Statistics of CalibratedKoho
```

```
Start at: Tue, 27 Jun 2017 01:48:25 +0000
End at: Tue, 27 Jun 2017 01:48:55 +0000
Local clock offset: -4.399 ms
Remote clock offset: -0.265 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:55:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 17.114 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 17.114 ms
Loss rate: 0.06%
```

Run 3: Report of CalibratedKoho — Data Link



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

```
Start at: Tue, 27 Jun 2017 02:06:50 +0000
```

```
End at: Tue, 27 Jun 2017 02:07:20 +0000
```

```
Local clock offset: -3.407 ms
```

```
Remote clock offset: -0.183 ms
```

```
# Below is generated by plot.py at Tue, 27 Jun 2017 06:56:20 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 44.28 Mbit/s
```

```
95th percentile per-packet one-way delay: 16.309 ms
```

```
Loss rate: 0.25%
```

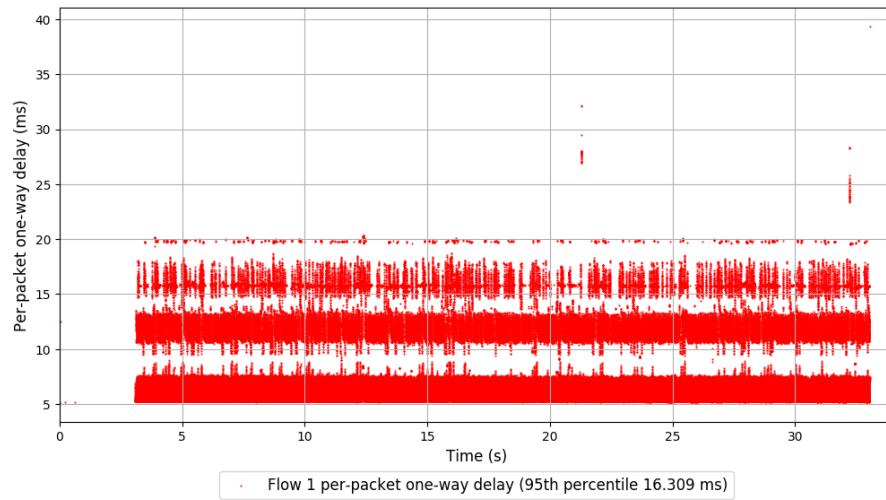
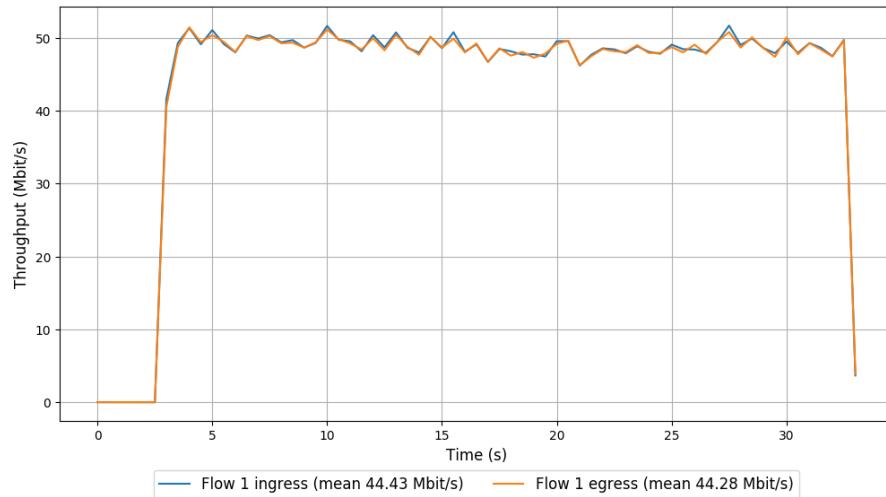
```
-- Flow 1:
```

```
Average throughput: 44.28 Mbit/s
```

```
95th percentile per-packet one-way delay: 16.309 ms
```

```
Loss rate: 0.25%
```

Run 4: Report of CalibratedKoho — Data Link

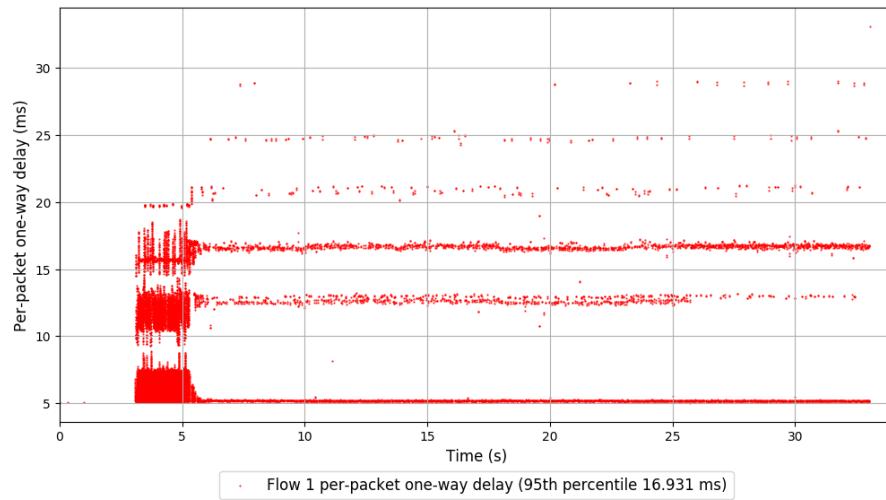
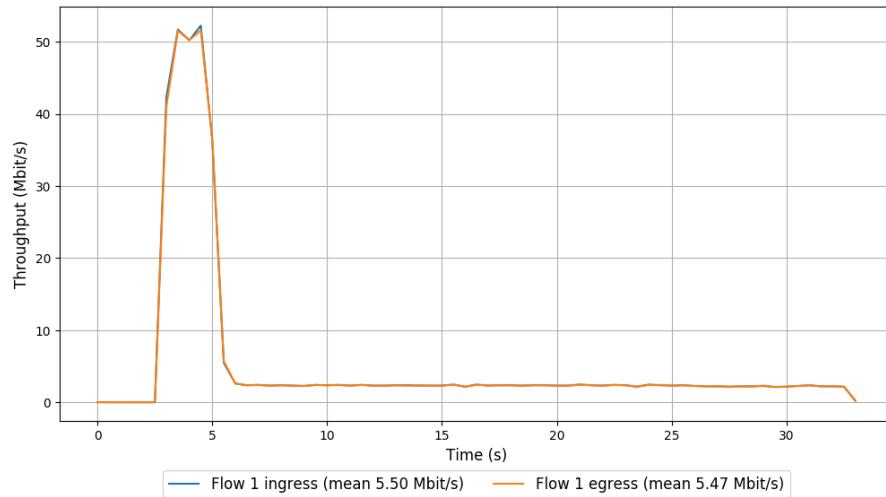


```
Run 5: Statistics of CalibratedKoho
```

```
Start at: Tue, 27 Jun 2017 02:25:22 +0000
End at: Tue, 27 Jun 2017 02:25:52 +0000
Local clock offset: -3.021 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:56:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 16.931 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 5.47 Mbit/s
95th percentile per-packet one-way delay: 16.931 ms
Loss rate: 0.47%
```

Run 5: Report of CalibratedKoho — Data Link

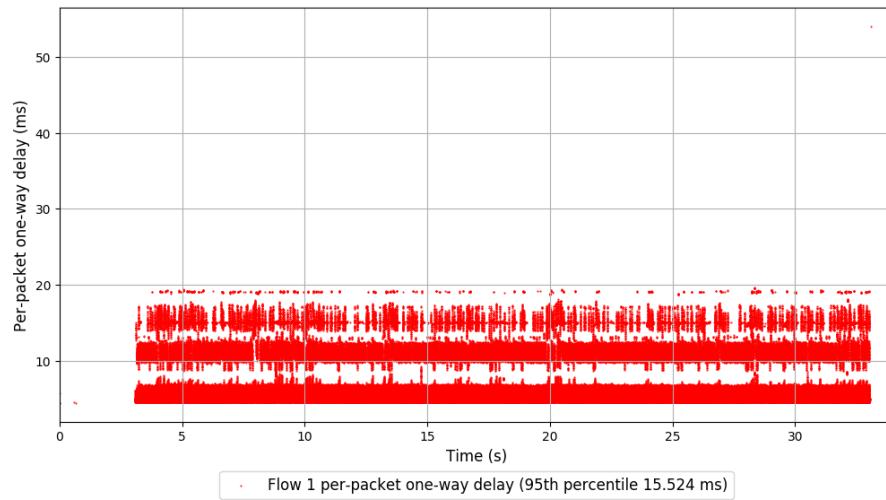
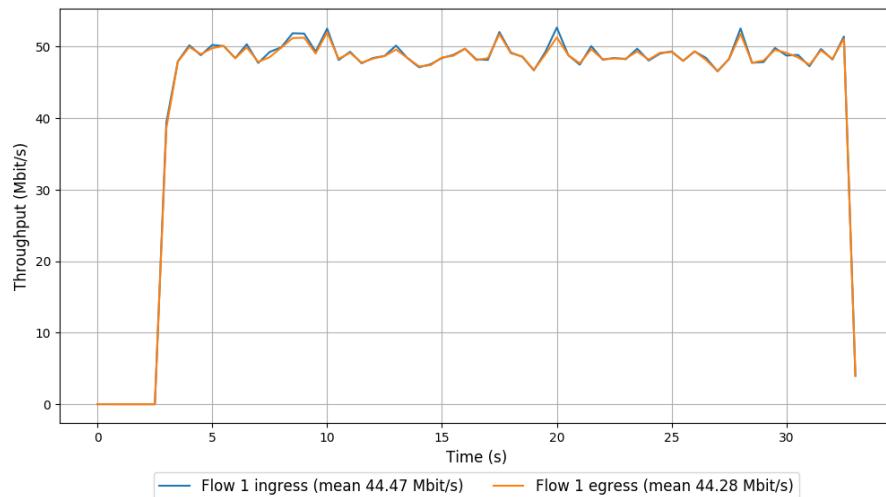


Run 6: Statistics of CalibratedKoho

```
Start at: Tue, 27 Jun 2017 02:43:15 +0000
End at: Tue, 27 Jun 2017 02:43:45 +0000
Local clock offset: -2.156 ms
Remote clock offset: 0.235 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:56:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.28 Mbit/s
95th percentile per-packet one-way delay: 15.524 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 44.28 Mbit/s
95th percentile per-packet one-way delay: 15.524 ms
Loss rate: 0.29%
```

Run 6: Report of CalibratedKoho — Data Link



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

```
Start at: Tue, 27 Jun 2017 03:01:41 +0000
```

```
End at: Tue, 27 Jun 2017 03:02:11 +0000
```

```
Local clock offset: -3.057 ms
```

```
Remote clock offset: 0.301 ms
```

```
# Below is generated by plot.py at Tue, 27 Jun 2017 06:56:46 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 39.19 Mbit/s
```

```
95th percentile per-packet one-way delay: 16.307 ms
```

```
Loss rate: 0.04%
```

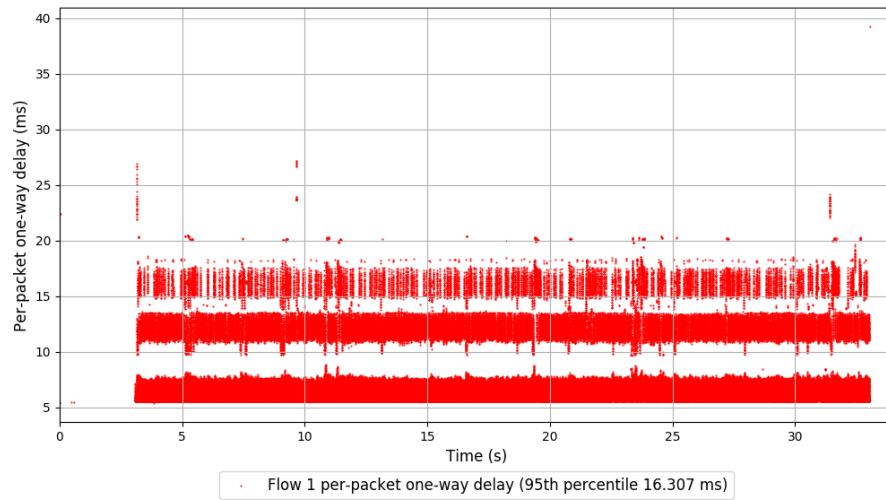
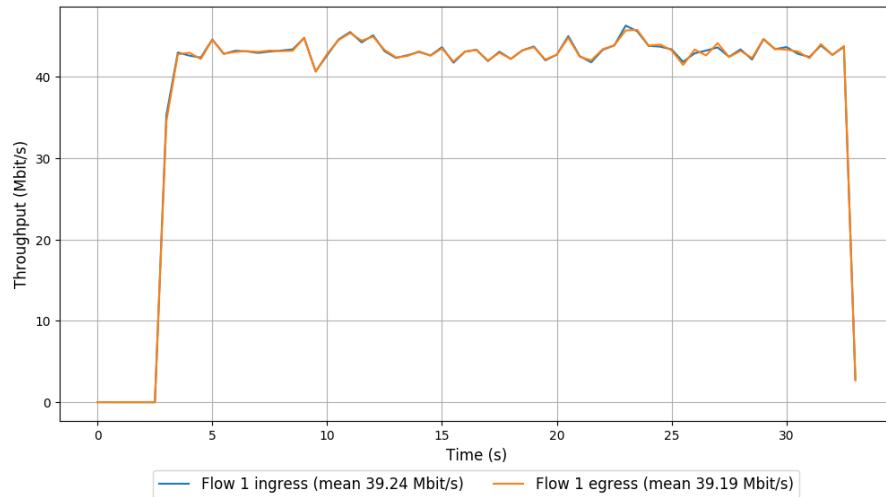
```
-- Flow 1:
```

```
Average throughput: 39.19 Mbit/s
```

```
95th percentile per-packet one-way delay: 16.307 ms
```

```
Loss rate: 0.04%
```

Run 7: Report of CalibratedKoho — Data Link



```
Run 8: Statistics of CalibratedKoho
```

```
Start at: Tue, 27 Jun 2017 03:20:17 +0000
```

```
End at: Tue, 27 Jun 2017 03:20:47 +0000
```

```
Local clock offset: -3.386 ms
```

```
Remote clock offset: 0.402 ms
```

```
# Below is generated by plot.py at Tue, 27 Jun 2017 06:56:46 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 2.11 Mbit/s
```

```
95th percentile per-packet one-way delay: 21.500 ms
```

```
Loss rate: 0.03%
```

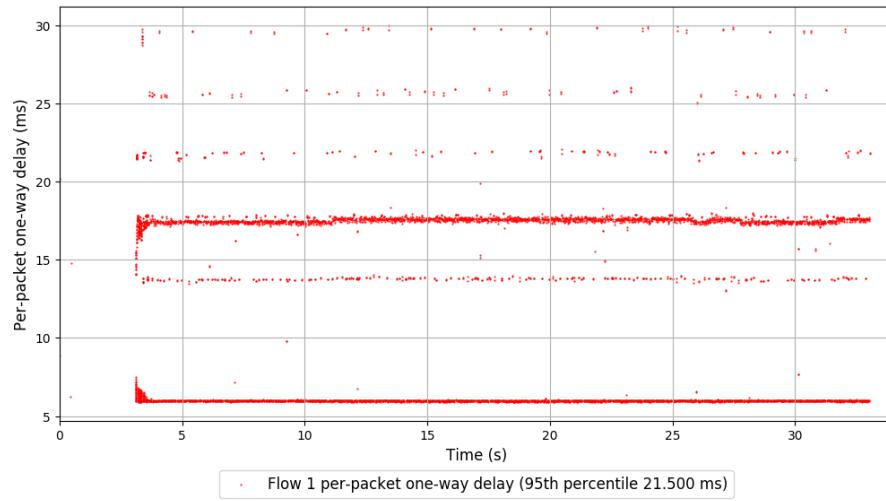
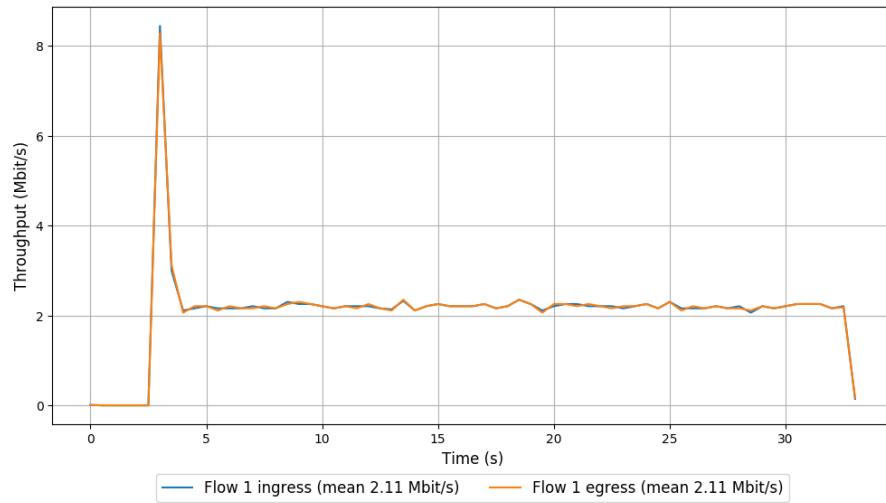
```
-- Flow 1:
```

```
Average throughput: 2.11 Mbit/s
```

```
95th percentile per-packet one-way delay: 21.500 ms
```

```
Loss rate: 0.03%
```

Run 8: Report of CalibratedKoho — Data Link



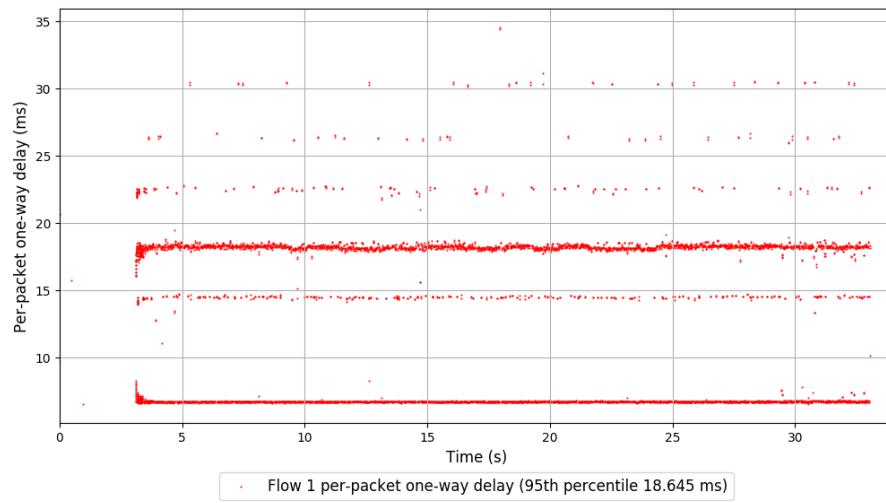
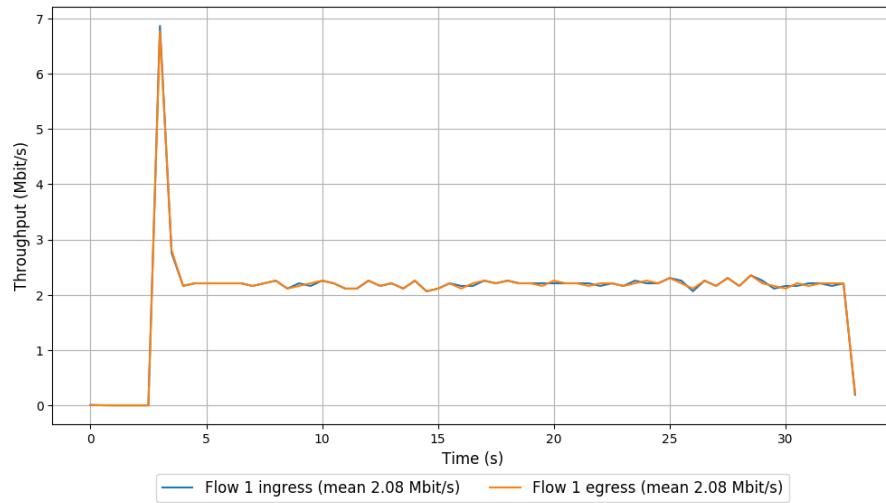
```
Run 9: Statistics of CalibratedKoho
```

```
Start at: Tue, 27 Jun 2017 03:38:33 +0000  
End at: Tue, 27 Jun 2017 03:39:03 +0000
```

```
Local clock offset: -4.031 ms  
Remote clock offset: 0.466 ms
```

```
# Below is generated by plot.py at Tue, 27 Jun 2017 06:56:46 +0000  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.08 Mbit/s  
95th percentile per-packet one-way delay: 18.645 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 2.08 Mbit/s  
95th percentile per-packet one-way delay: 18.645 ms  
Loss rate: 0.02%
```

Run 9: Report of CalibratedKoho — Data Link



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

```
Start at: Tue, 27 Jun 2017 03:57:06 +0000
```

```
End at: Tue, 27 Jun 2017 03:57:36 +0000
```

```
Local clock offset: -4.59 ms
```

```
Remote clock offset: 0.489 ms
```

```
# Below is generated by plot.py at Tue, 27 Jun 2017 06:57:01 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 39.63 Mbit/s
```

```
95th percentile per-packet one-way delay: 18.200 ms
```

```
Loss rate: 0.06%
```

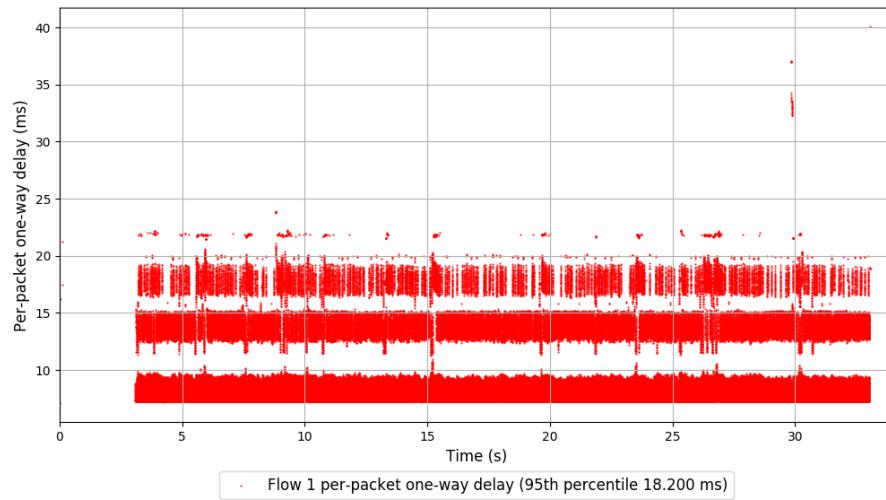
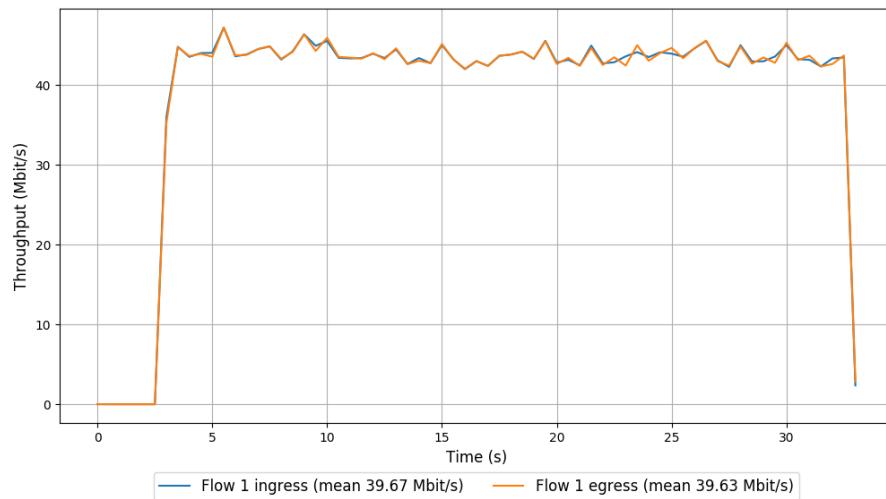
```
-- Flow 1:
```

```
Average throughput: 39.63 Mbit/s
```

```
95th percentile per-packet one-way delay: 18.200 ms
```

```
Loss rate: 0.06%
```

Run 10: Report of CalibratedKoho — Data Link

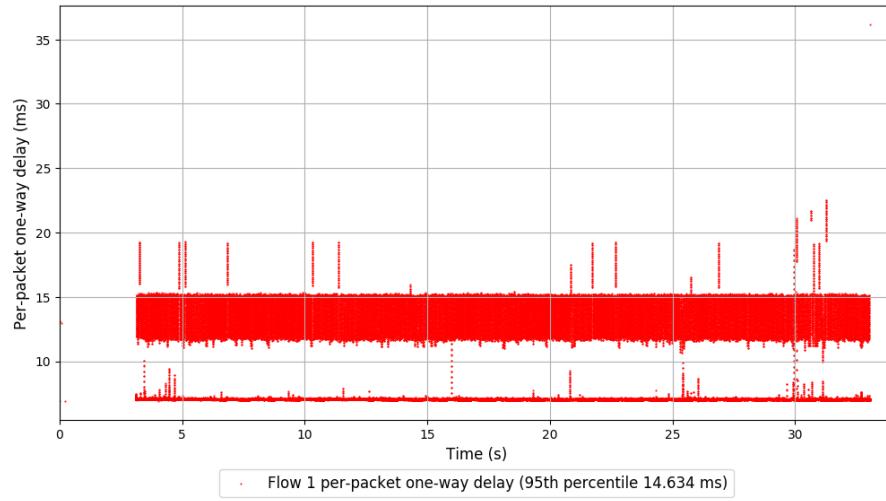
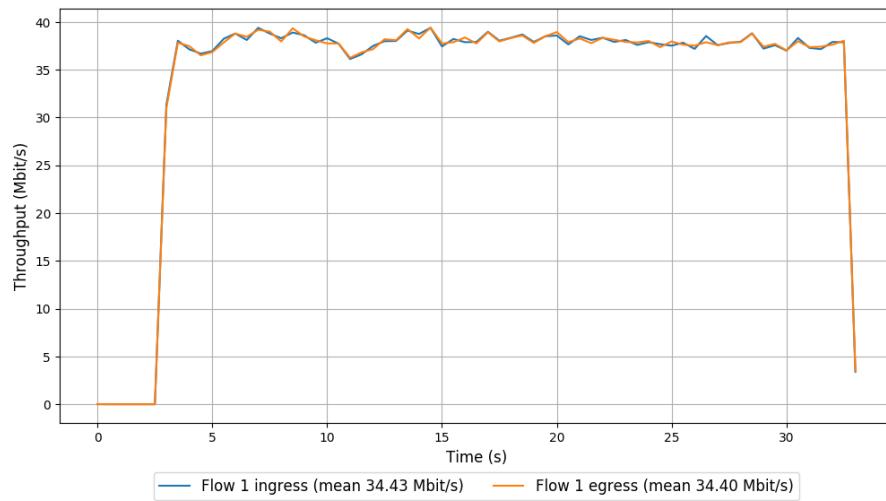


Run 1: Statistics of Copa

```
Start at: Tue, 27 Jun 2017 01:21:07 +0000
End at: Tue, 27 Jun 2017 01:21:37 +0000
Local clock offset: -5.295 ms
Remote clock offset: -0.3 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:57:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.40 Mbit/s
95th percentile per-packet one-way delay: 14.634 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 34.40 Mbit/s
95th percentile per-packet one-way delay: 14.634 ms
Loss rate: 0.02%
```

Run 1: Report of Copa — Data Link

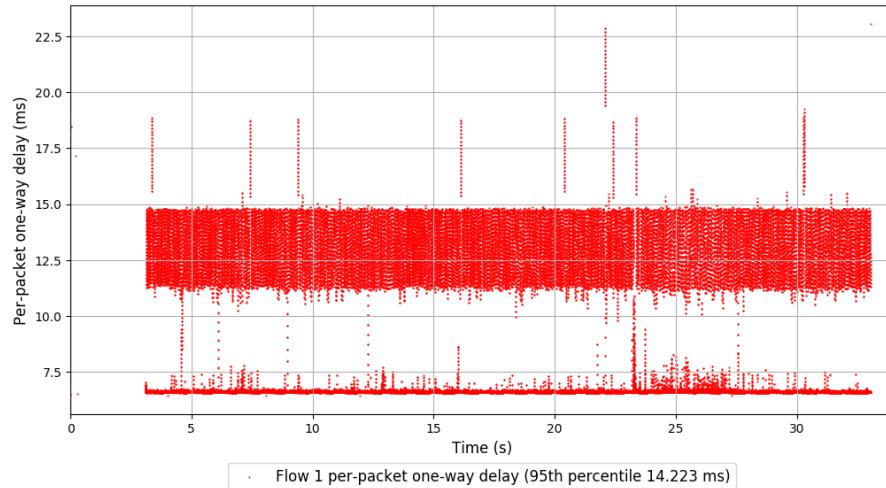
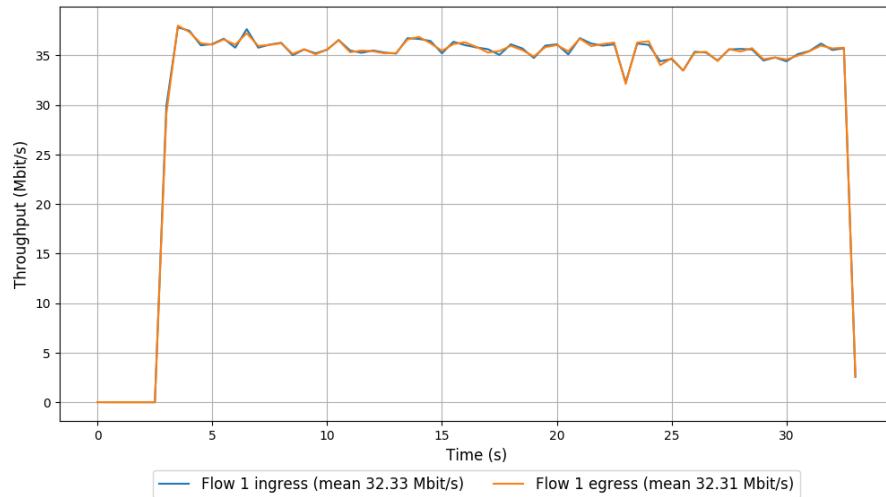


Run 2: Statistics of Copa

```
Start at: Tue, 27 Jun 2017 01:39:39 +0000
End at: Tue, 27 Jun 2017 01:40:09 +0000
Local clock offset: -4.78 ms
Remote clock offset: -0.267 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:57:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 14.223 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 14.223 ms
Loss rate: 0.02%
```

Run 2: Report of Copa — Data Link

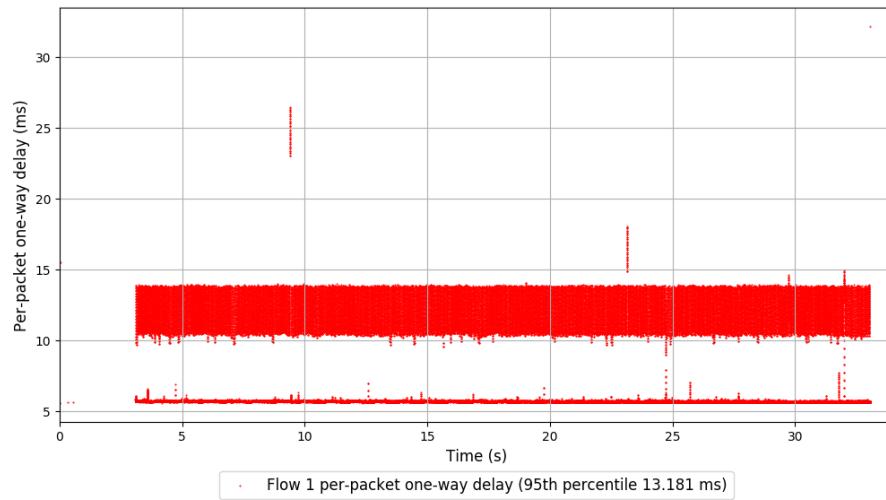
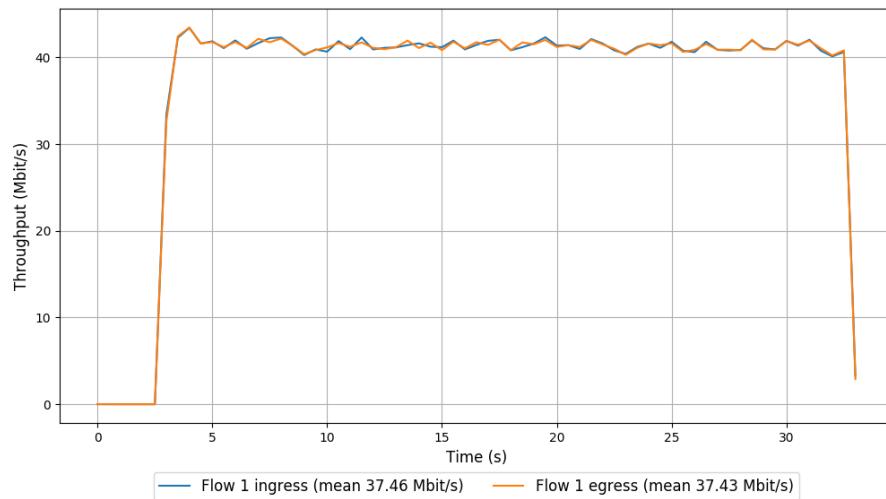


Run 3: Statistics of Copa

```
Start at: Tue, 27 Jun 2017 01:58:19 +0000
End at: Tue, 27 Jun 2017 01:58:49 +0000
Local clock offset: -3.777 ms
Remote clock offset: -0.227 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:58:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 13.181 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 37.43 Mbit/s
95th percentile per-packet one-way delay: 13.181 ms
Loss rate: 0.02%
```

Run 3: Report of Copa — Data Link

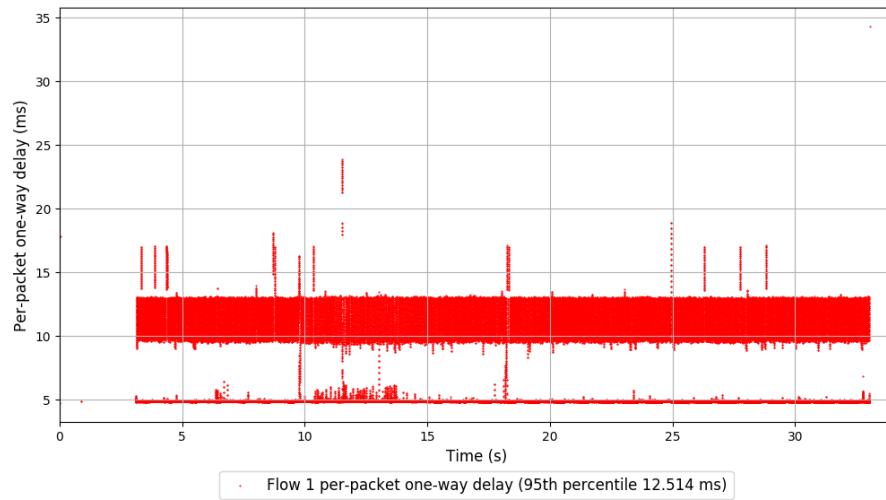
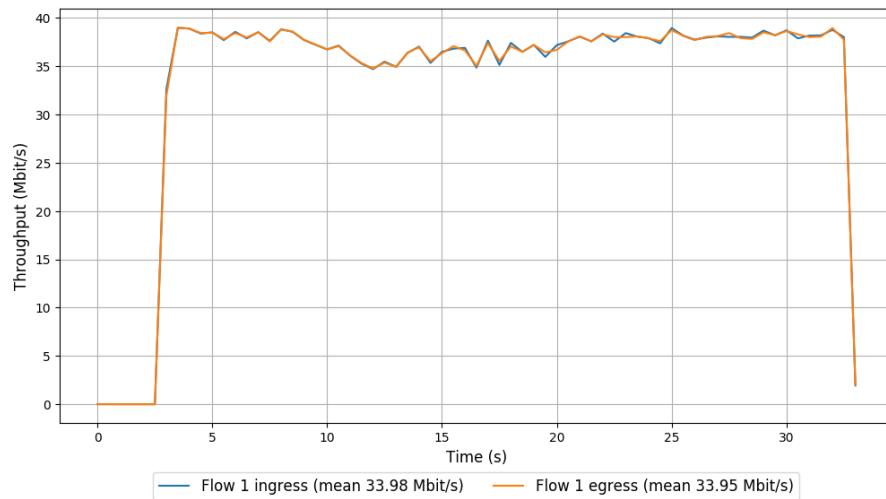


Run 4: Statistics of Copa

```
Start at: Tue, 27 Jun 2017 02:16:53 +0000
End at: Tue, 27 Jun 2017 02:17:23 +0000
Local clock offset: -2.889 ms
Remote clock offset: -0.15 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:58:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 12.514 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 33.95 Mbit/s
95th percentile per-packet one-way delay: 12.514 ms
Loss rate: 0.02%
```

Run 4: Report of Copa — Data Link

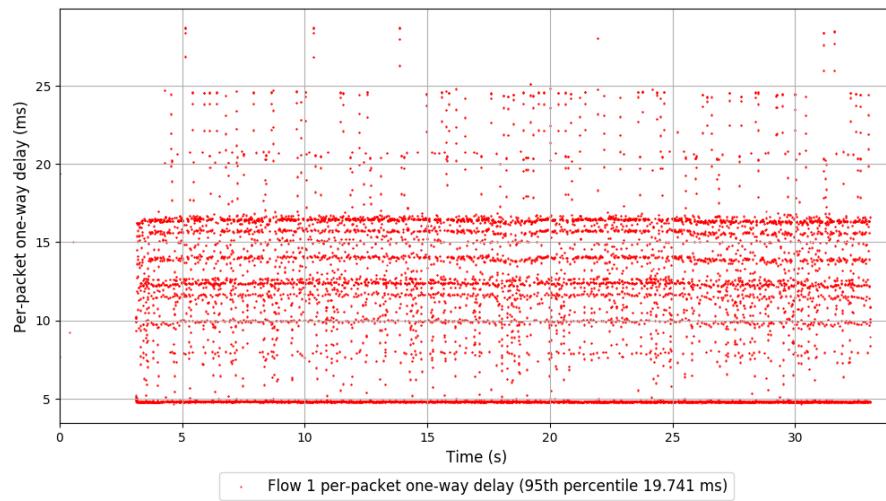
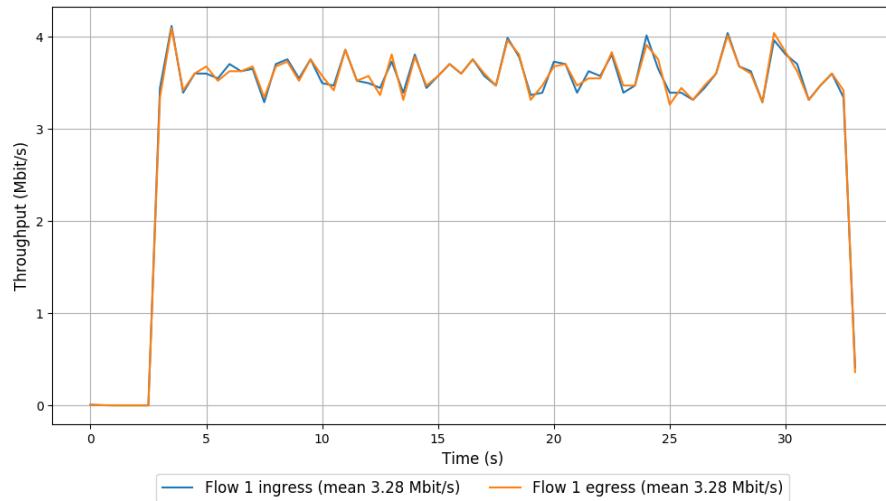


Run 5: Statistics of Copa

```
Start at: Tue, 27 Jun 2017 02:35:02 +0000
End at: Tue, 27 Jun 2017 02:35:32 +0000
Local clock offset: -2.581 ms
Remote clock offset: 0.09 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:58:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 19.741 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 3.28 Mbit/s
95th percentile per-packet one-way delay: 19.741 ms
Loss rate: 0.04%
```

Run 5: Report of Copa — Data Link

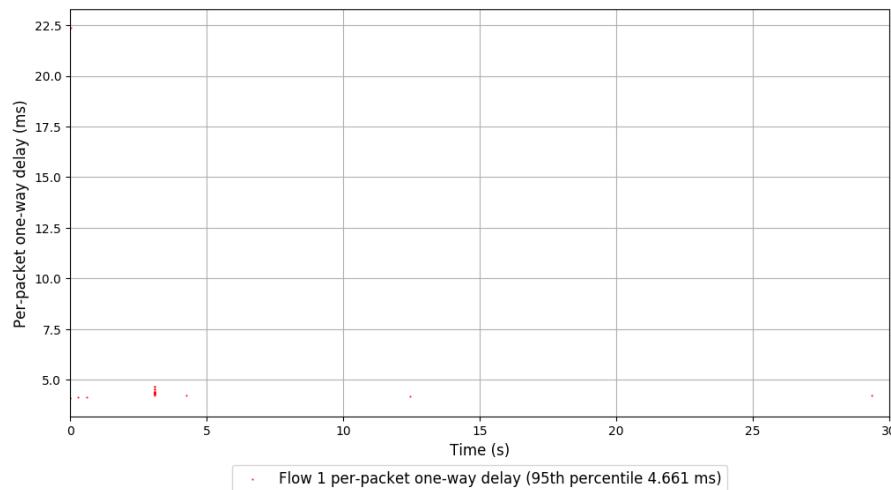
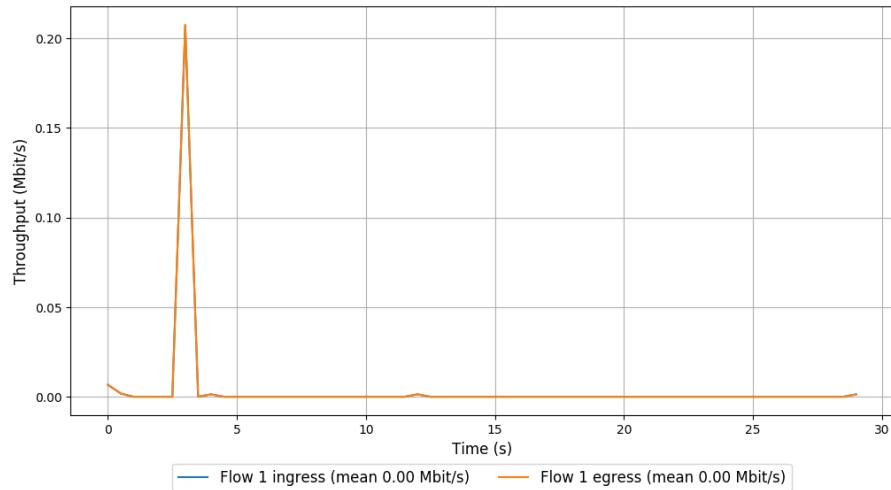


Run 6: Statistics of Copa

```
Start at: Tue, 27 Jun 2017 02:53:23 +0000
End at: Tue, 27 Jun 2017 02:53:53 +0000
Local clock offset: -1.775 ms
Remote clock offset: 0.359 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:58:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 4.661 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.00 Mbit/s
95th percentile per-packet one-way delay: 4.661 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

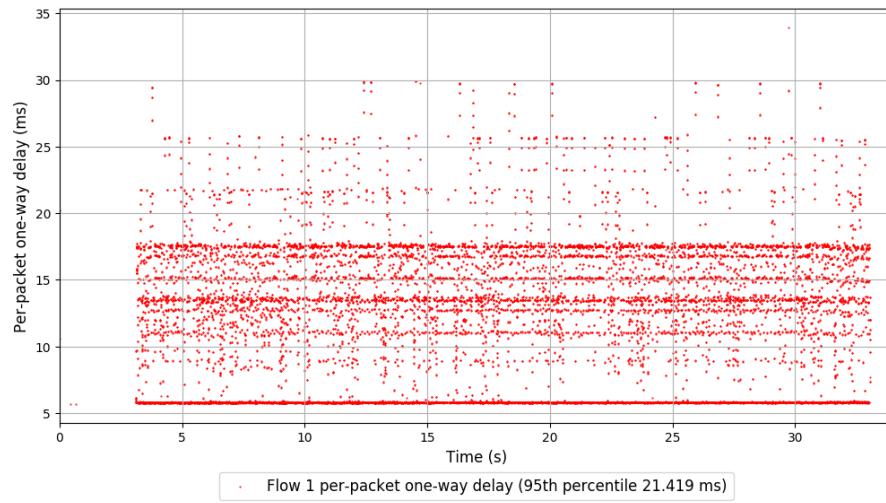
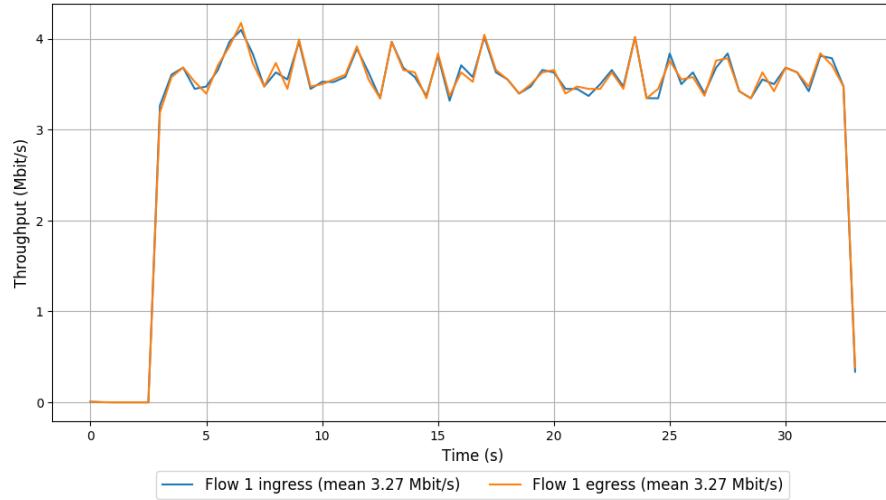


Run 7: Statistics of Copa

```
Start at: Tue, 27 Jun 2017 03:11:47 +0000
End at: Tue, 27 Jun 2017 03:12:17 +0000
Local clock offset: -3.354 ms
Remote clock offset: 0.407 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:58:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 21.419 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 3.27 Mbit/s
95th percentile per-packet one-way delay: 21.419 ms
Loss rate: 0.02%
```

Run 7: Report of Copa — Data Link

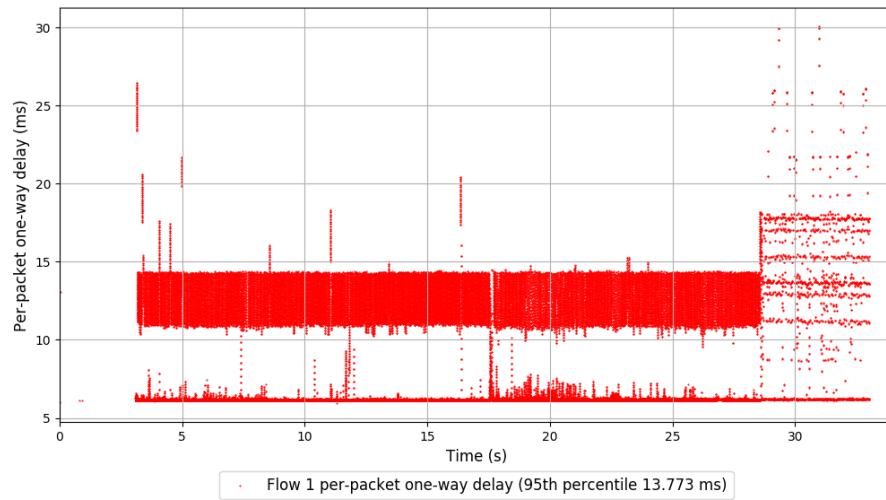
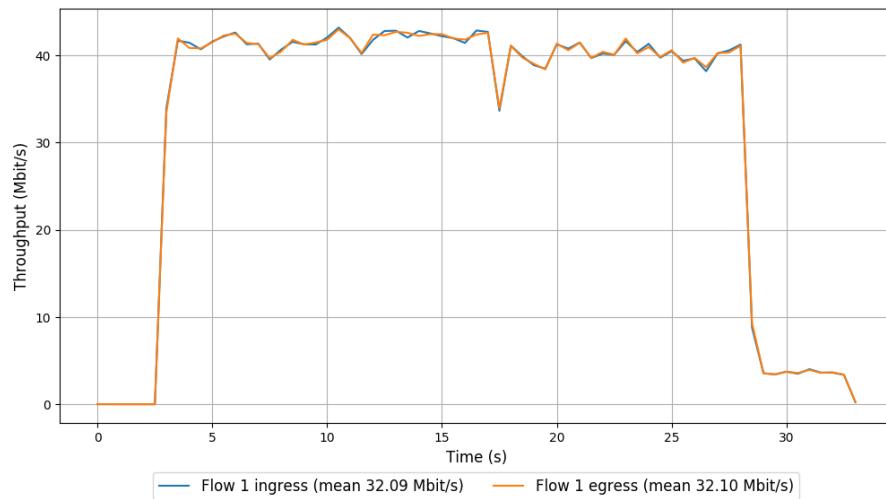


Run 8: Statistics of Copa

```
Start at: Tue, 27 Jun 2017 03:29:45 +0000
End at: Tue, 27 Jun 2017 03:30:15 +0000
Local clock offset: -3.665 ms
Remote clock offset: 0.397 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:58:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 13.773 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.10 Mbit/s
95th percentile per-packet one-way delay: 13.773 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

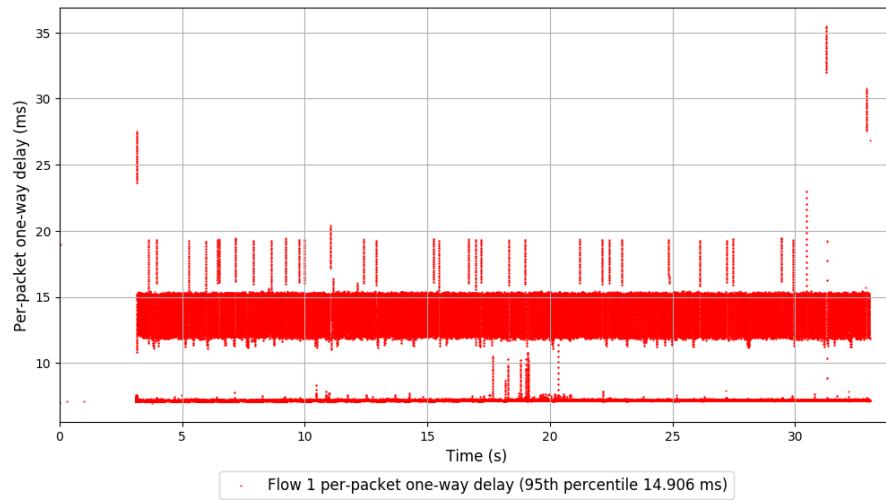
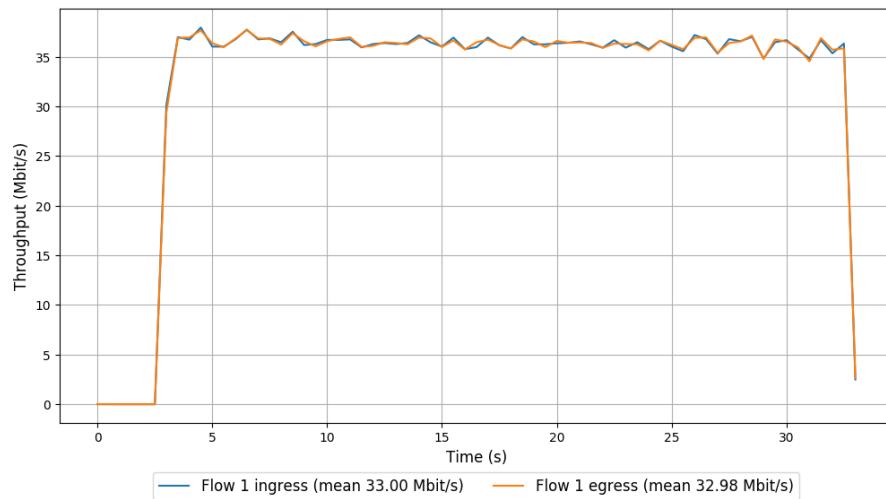


Run 9: Statistics of Copa

```
Start at: Tue, 27 Jun 2017 03:48:25 +0000
End at: Tue, 27 Jun 2017 03:48:55 +0000
Local clock offset: -4.482 ms
Remote clock offset: 0.55 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:59:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 14.906 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 32.98 Mbit/s
95th percentile per-packet one-way delay: 14.906 ms
Loss rate: 0.03%
```

Run 9: Report of Copa — Data Link

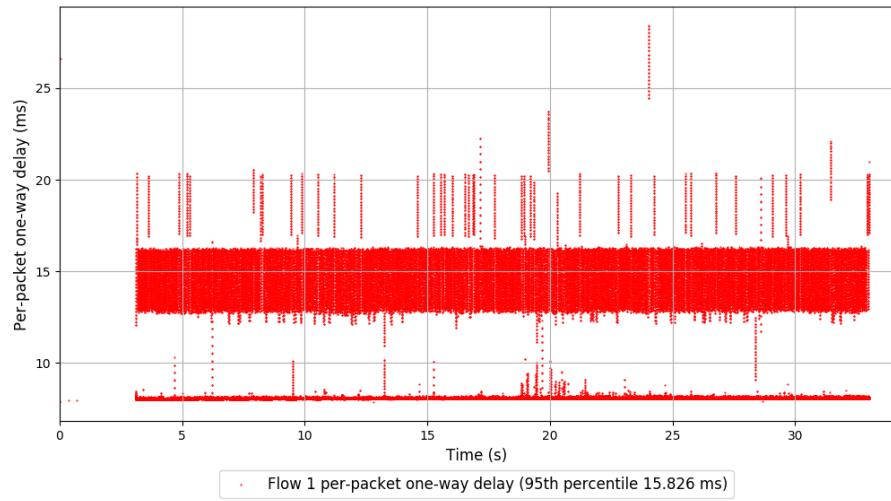
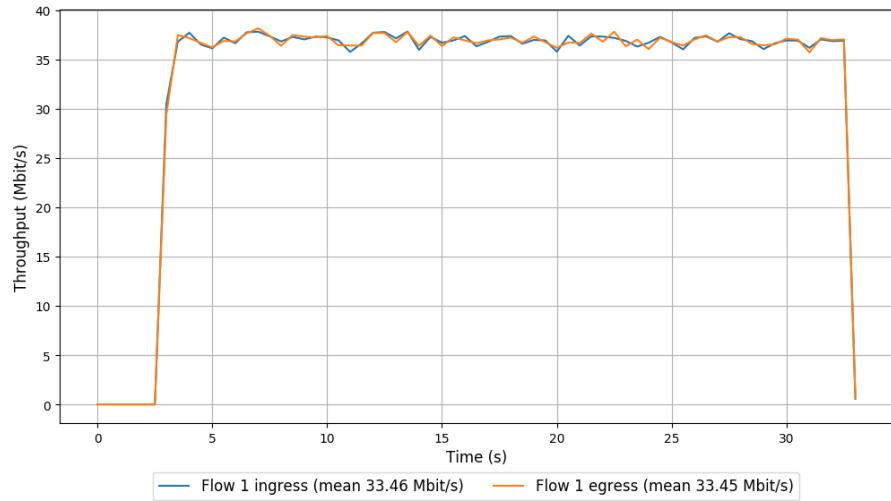


Run 10: Statistics of Copa

```
Start at: Tue, 27 Jun 2017 04:07:07 +0000
End at: Tue, 27 Jun 2017 04:07:37 +0000
Local clock offset: -5.375 ms
Remote clock offset: 0.395 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:59:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 15.826 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 33.45 Mbit/s
95th percentile per-packet one-way delay: 15.826 ms
Loss rate: 0.02%
```

Run 10: Report of Copa — Data Link



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

```
Start at: Tue, 27 Jun 2017 01:16:11 +0000
```

```
End at: Tue, 27 Jun 2017 01:16:41 +0000
```

```
Local clock offset: -5.413 ms
```

```
Remote clock offset: -0.33 ms
```

```
# Below is generated by plot.py at Tue, 27 Jun 2017 06:59:29 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 41.30 Mbit/s
```

```
95th percentile per-packet one-way delay: 23.053 ms
```

```
Loss rate: 0.17%
```

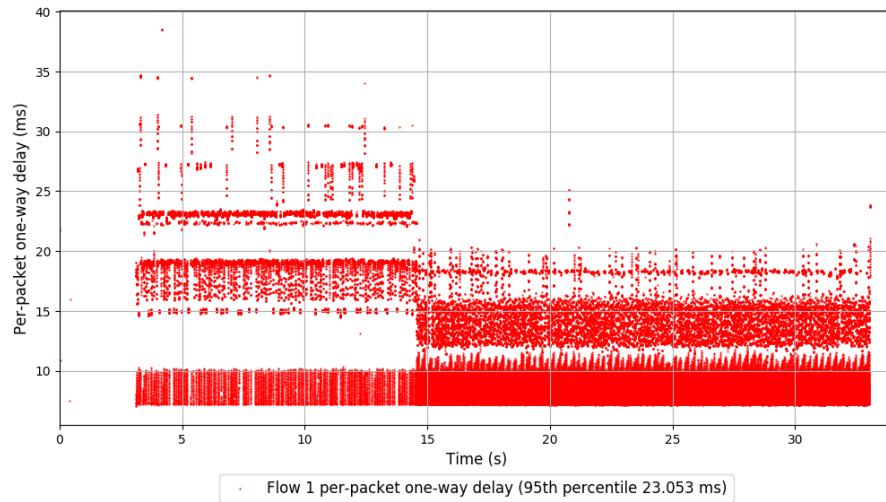
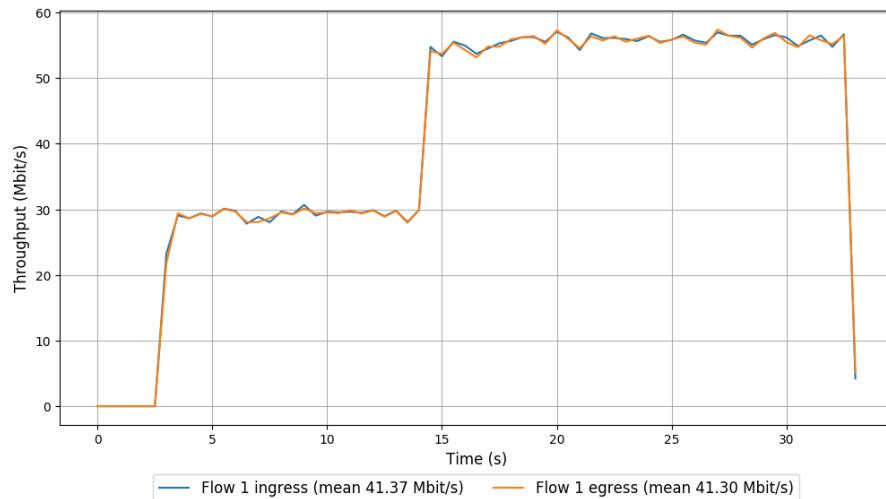
```
-- Flow 1:
```

```
Average throughput: 41.30 Mbit/s
```

```
95th percentile per-packet one-way delay: 23.053 ms
```

```
Loss rate: 0.17%
```

Run 1: Report of TCP Cubic — Data Link

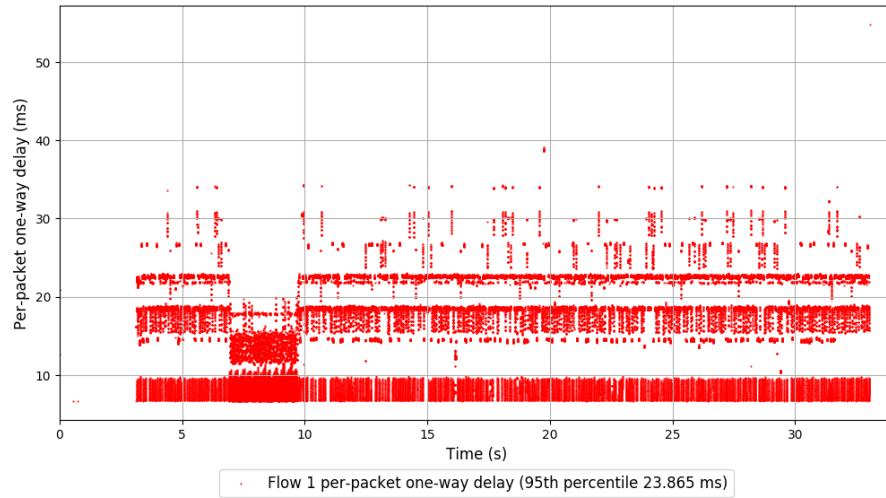
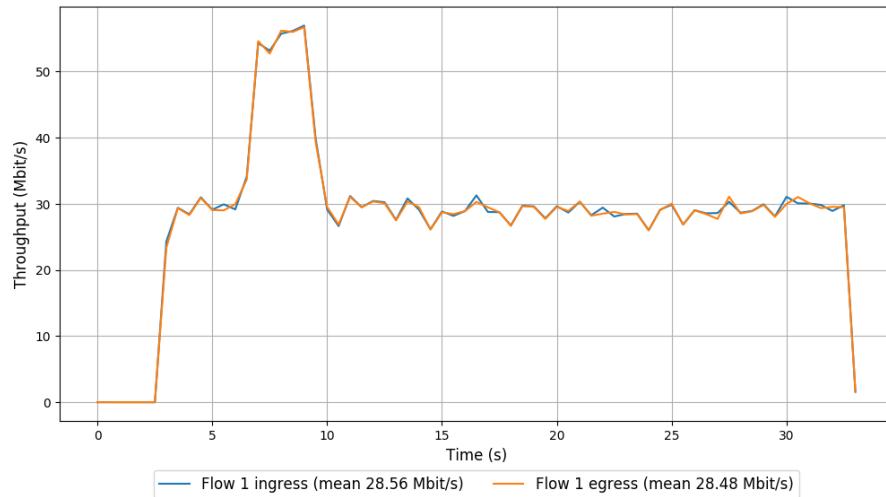


Run 2: Statistics of TCP Cubic

```
Start at: Tue, 27 Jun 2017 01:34:46 +0000
End at: Tue, 27 Jun 2017 01:35:16 +0000
Local clock offset: -4.911 ms
Remote clock offset: -0.261 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:59:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 23.865 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 28.48 Mbit/s
95th percentile per-packet one-way delay: 23.865 ms
Loss rate: 0.20%
```

Run 2: Report of TCP Cubic — Data Link

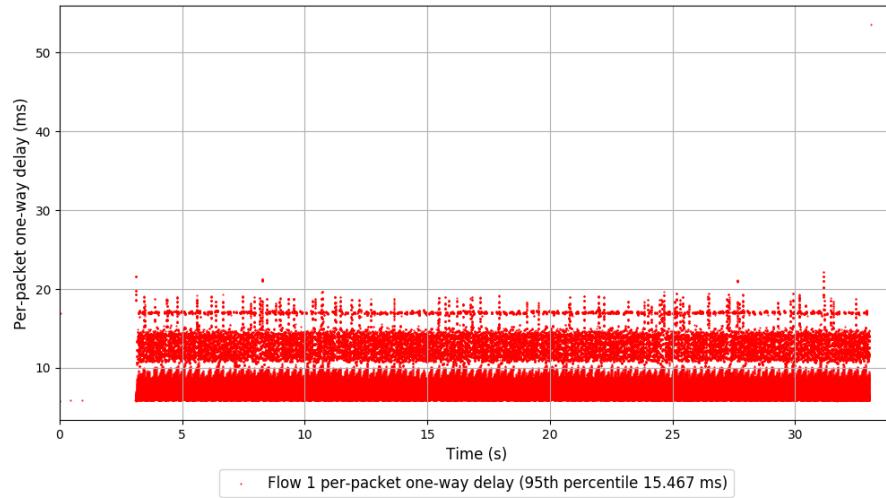
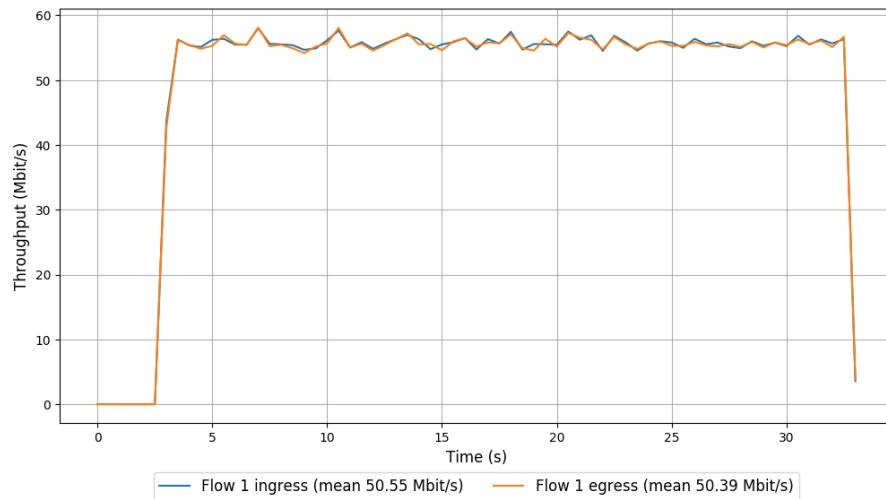


Run 3: Statistics of TCP Cubic

```
Start at: Tue, 27 Jun 2017 01:53:28 +0000
End at: Tue, 27 Jun 2017 01:53:58 +0000
Local clock offset: -4.099 ms
Remote clock offset: -0.225 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 06:59:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.39 Mbit/s
95th percentile per-packet one-way delay: 15.467 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 50.39 Mbit/s
95th percentile per-packet one-way delay: 15.467 ms
Loss rate: 0.21%
```

Run 3: Report of TCP Cubic — Data Link

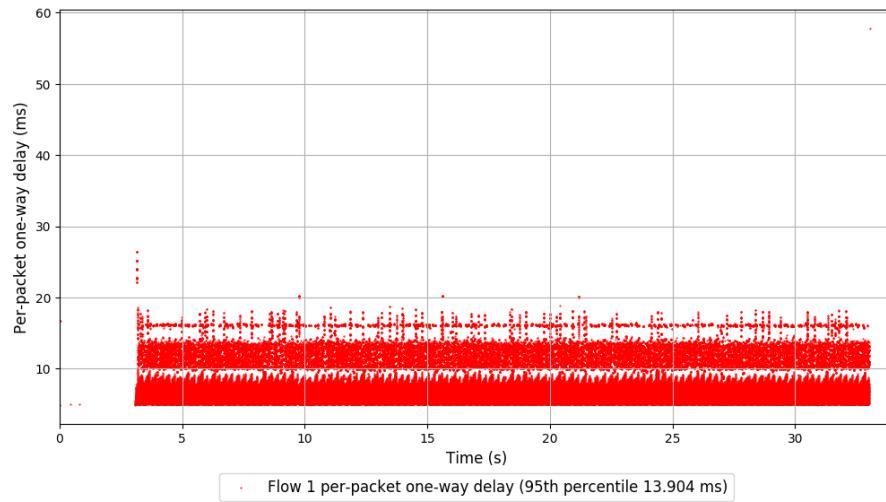
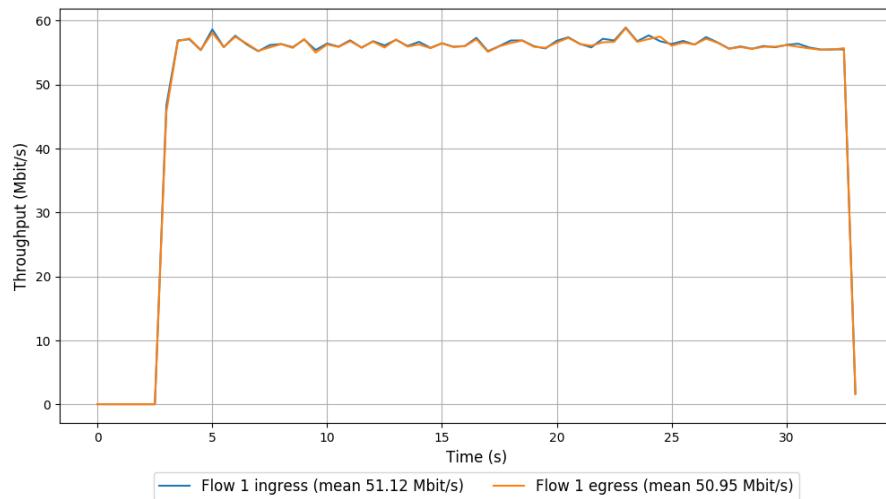


Run 4: Statistics of TCP Cubic

```
Start at: Tue, 27 Jun 2017 02:11:53 +0000
End at: Tue, 27 Jun 2017 02:12:23 +0000
Local clock offset: -3.186 ms
Remote clock offset: -0.186 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:00:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 13.904 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 13.904 ms
Loss rate: 0.21%
```

Run 4: Report of TCP Cubic — Data Link

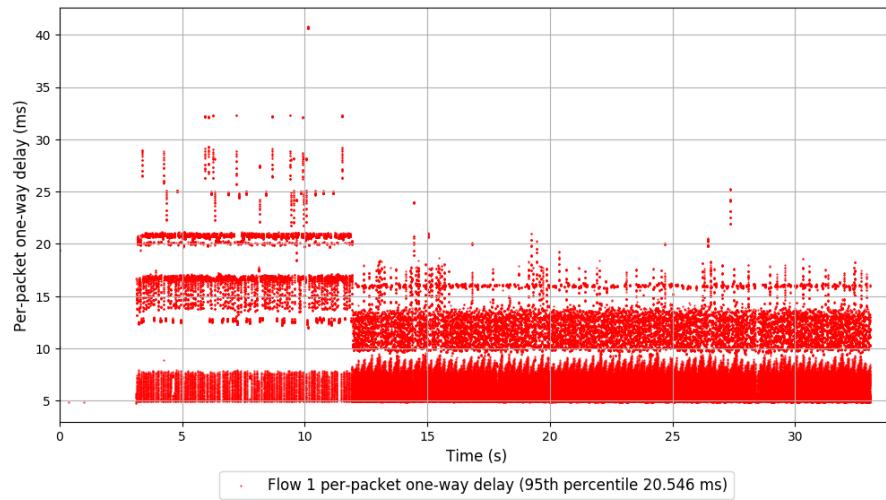
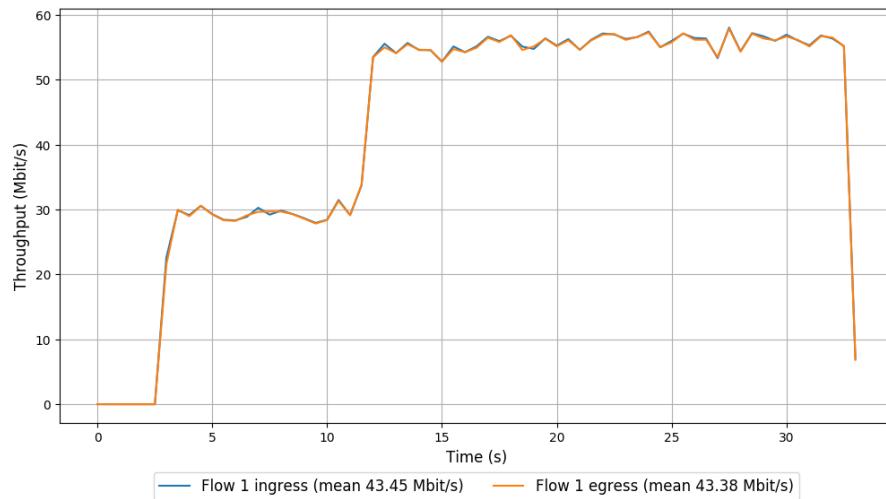


Run 5: Statistics of TCP Cubic

```
Start at: Tue, 27 Jun 2017 02:30:06 +0000
End at: Tue, 27 Jun 2017 02:30:36 +0000
Local clock offset: -2.751 ms
Remote clock offset: 0.087 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:00:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.38 Mbit/s
95th percentile per-packet one-way delay: 20.546 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 43.38 Mbit/s
95th percentile per-packet one-way delay: 20.546 ms
Loss rate: 0.20%
```

Run 5: Report of TCP Cubic — Data Link

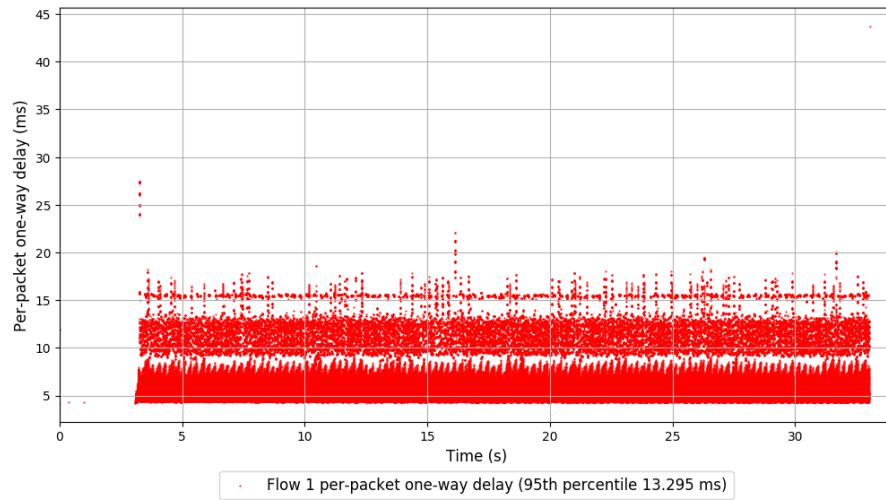
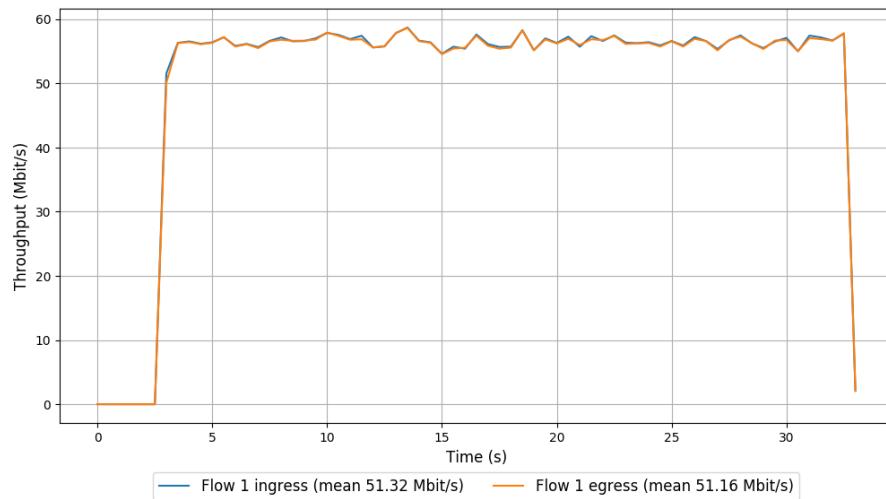


Run 6: Statistics of TCP Cubic

```
Start at: Tue, 27 Jun 2017 02:48:21 +0000
End at: Tue, 27 Jun 2017 02:48:51 +0000
Local clock offset: -2.048 ms
Remote clock offset: 0.279 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:00:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.16 Mbit/s
95th percentile per-packet one-way delay: 13.295 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 51.16 Mbit/s
95th percentile per-packet one-way delay: 13.295 ms
Loss rate: 0.22%
```

Run 6: Report of TCP Cubic — Data Link

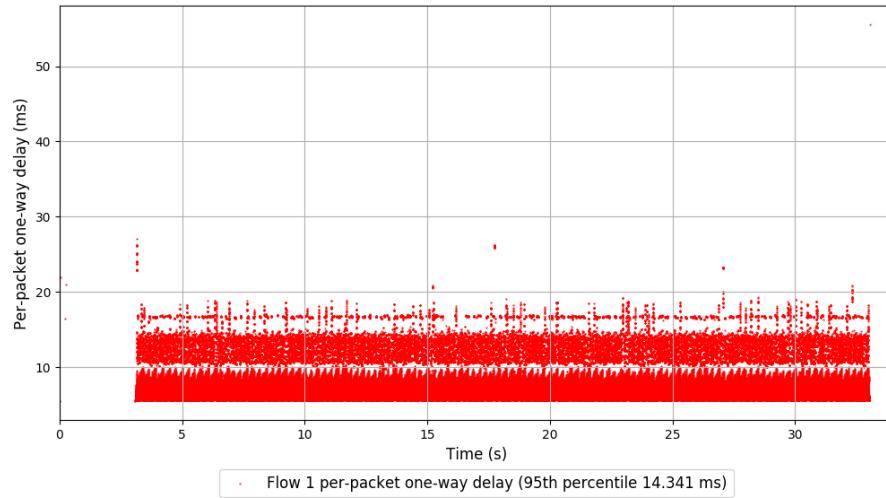
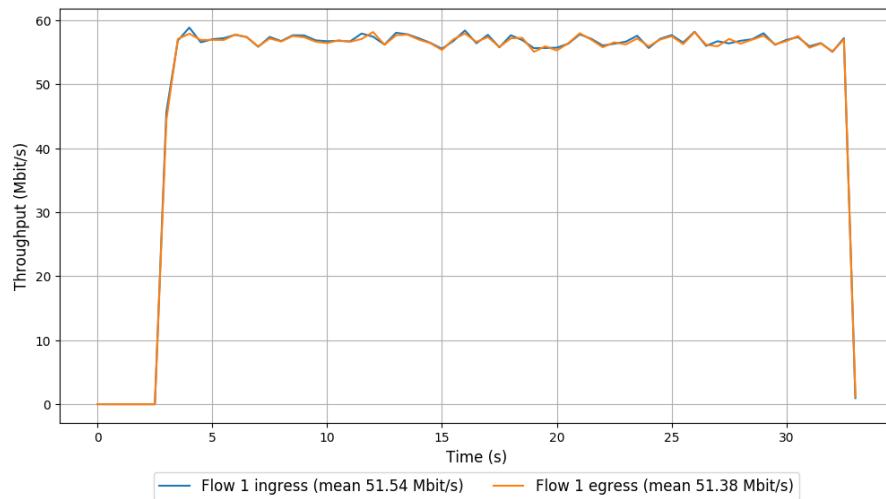


Run 7: Statistics of TCP Cubic

```
Start at: Tue, 27 Jun 2017 03:06:47 +0000
End at: Tue, 27 Jun 2017 03:07:17 +0000
Local clock offset: -3.188 ms
Remote clock offset: 0.315 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:00:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.38 Mbit/s
95th percentile per-packet one-way delay: 14.341 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 51.38 Mbit/s
95th percentile per-packet one-way delay: 14.341 ms
Loss rate: 0.22%
```

Run 7: Report of TCP Cubic — Data Link

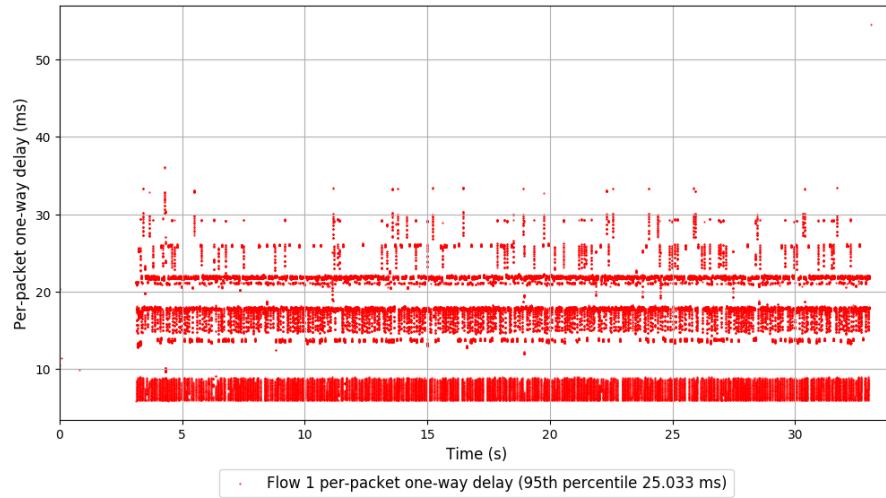
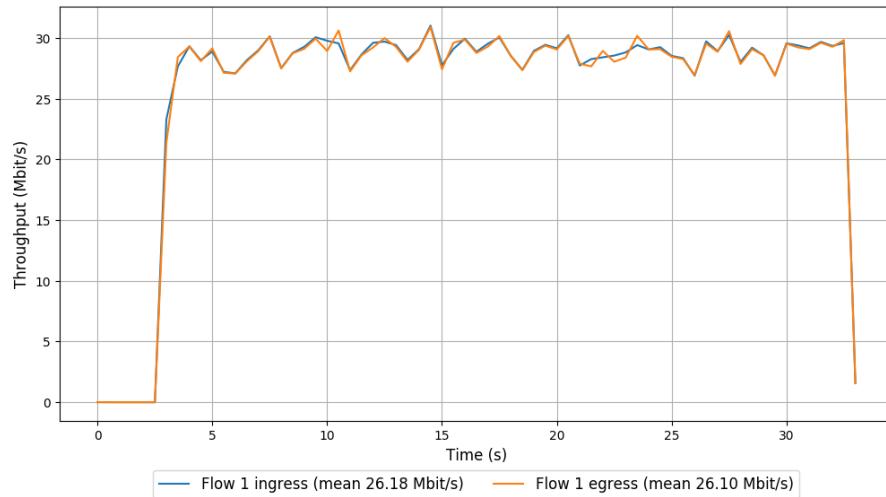


Run 8: Statistics of TCP Cubic

```
Start at: Tue, 27 Jun 2017 03:24:58 +0000
End at: Tue, 27 Jun 2017 03:25:28 +0000
Local clock offset: -6.455 ms
Remote clock offset: 0.407 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:01:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.10 Mbit/s
95th percentile per-packet one-way delay: 25.033 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 26.10 Mbit/s
95th percentile per-packet one-way delay: 25.033 ms
Loss rate: 0.20%
```

Run 8: Report of TCP Cubic — Data Link

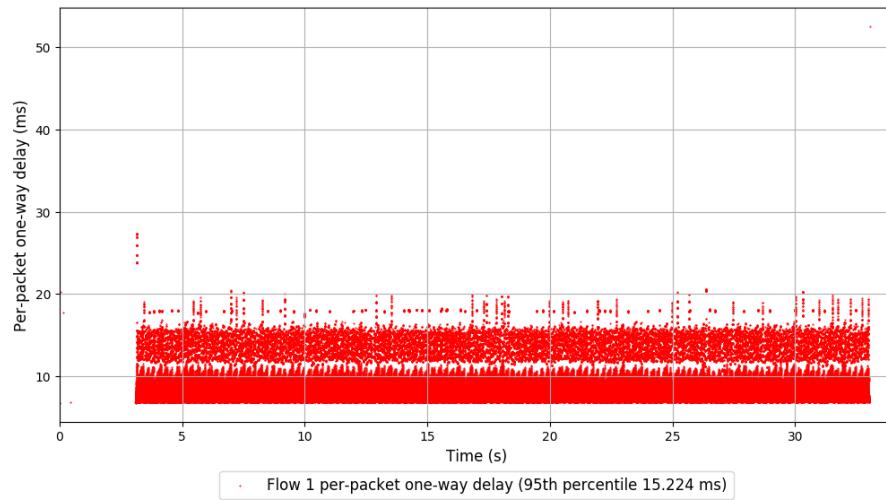
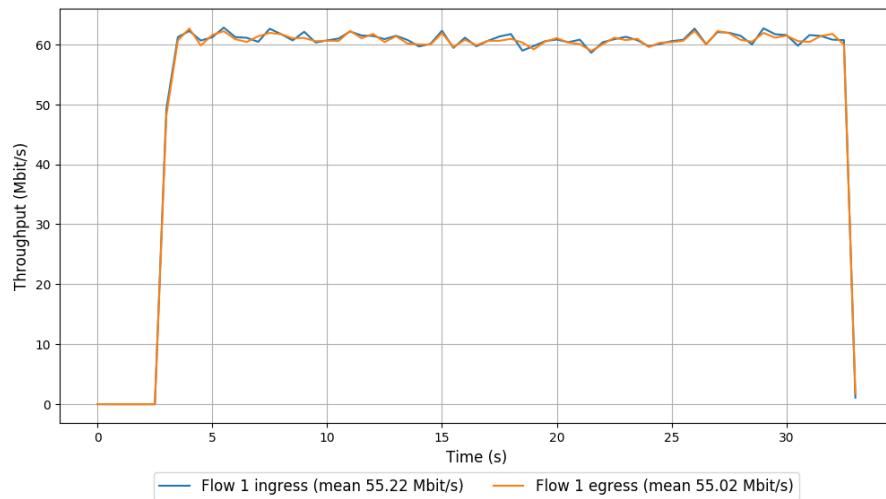


Run 9: Statistics of TCP Cubic

```
Start at: Tue, 27 Jun 2017 03:43:26 +0000
End at: Tue, 27 Jun 2017 03:43:56 +0000
Local clock offset: -4.263 ms
Remote clock offset: 0.494 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:01:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 15.224 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 55.02 Mbit/s
95th percentile per-packet one-way delay: 15.224 ms
Loss rate: 0.24%
```

Run 9: Report of TCP Cubic — Data Link



```
Run 10: Statistics of TCP Cubic
```

```
Start at: Tue, 27 Jun 2017 04:02:09 +0000
```

```
End at: Tue, 27 Jun 2017 04:02:39 +0000
```

```
Local clock offset: -4.631 ms
```

```
Remote clock offset: 0.485 ms
```

```
# Below is generated by plot.py at Tue, 27 Jun 2017 07:01:34 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 54.65 Mbit/s
```

```
95th percentile per-packet one-way delay: 15.625 ms
```

```
Loss rate: 0.24%
```

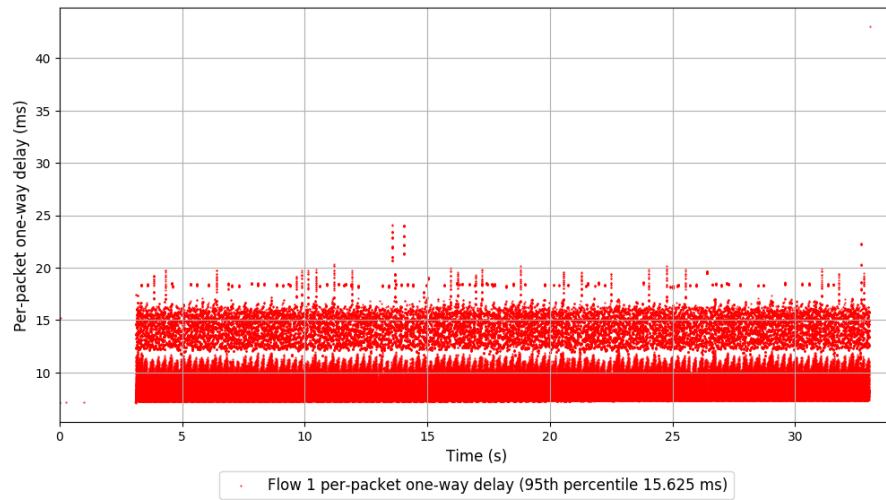
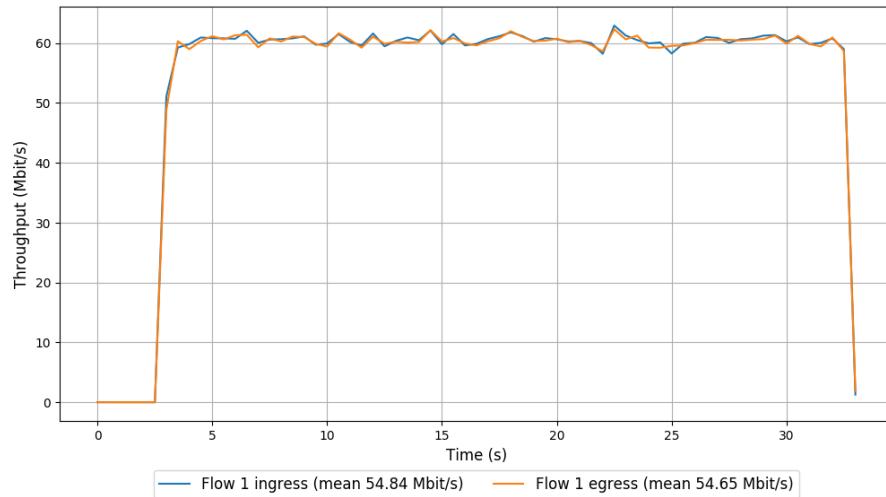
```
-- Flow 1:
```

```
Average throughput: 54.65 Mbit/s
```

```
95th percentile per-packet one-way delay: 15.625 ms
```

```
Loss rate: 0.24%
```

Run 10: Report of TCP Cubic — Data Link



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

```
Start at: Tue, 27 Jun 2017 01:23:49 +0000
```

```
End at: Tue, 27 Jun 2017 01:24:19 +0000
```

```
Local clock offset: -5.239 ms
```

```
Remote clock offset: -0.385 ms
```

```
# Below is generated by plot.py at Tue, 27 Jun 2017 07:01:37 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 10.74 Mbit/s
```

```
95th percentile per-packet one-way delay: 13.797 ms
```

```
Loss rate: 0.01%
```

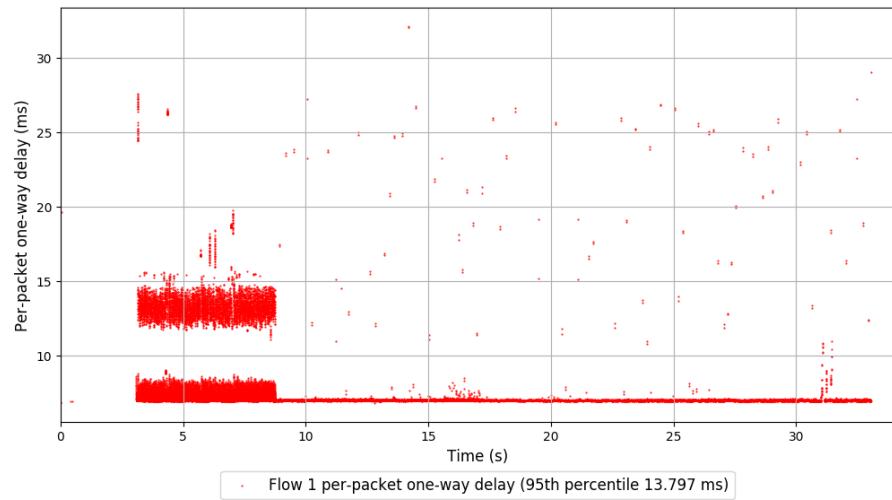
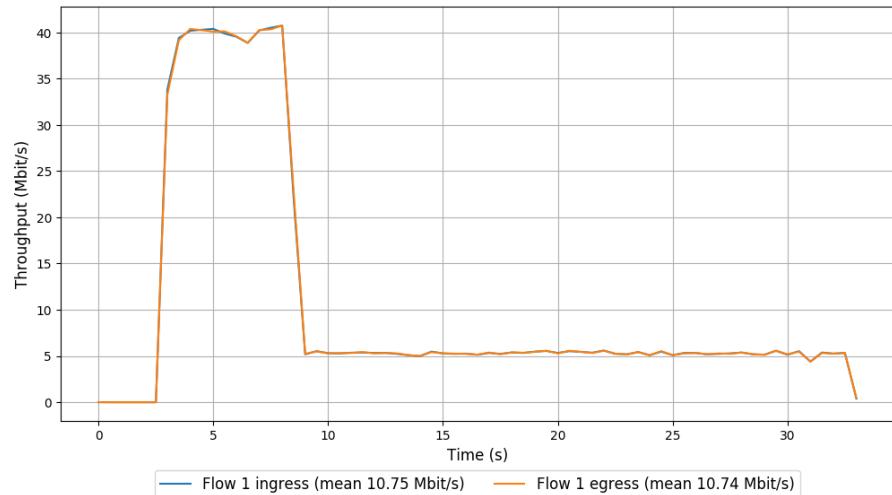
```
-- Flow 1:
```

```
Average throughput: 10.74 Mbit/s
```

```
95th percentile per-packet one-way delay: 13.797 ms
```

```
Loss rate: 0.01%
```

Run 1: Report of KohoCC — Data Link

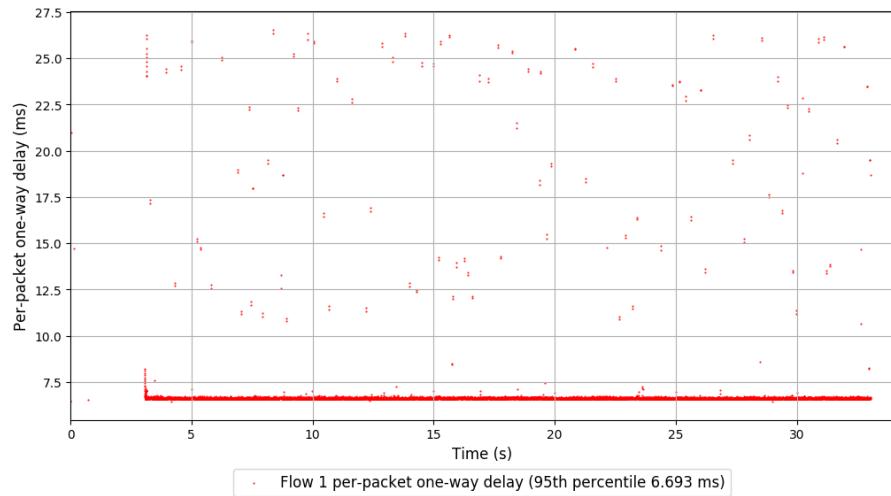
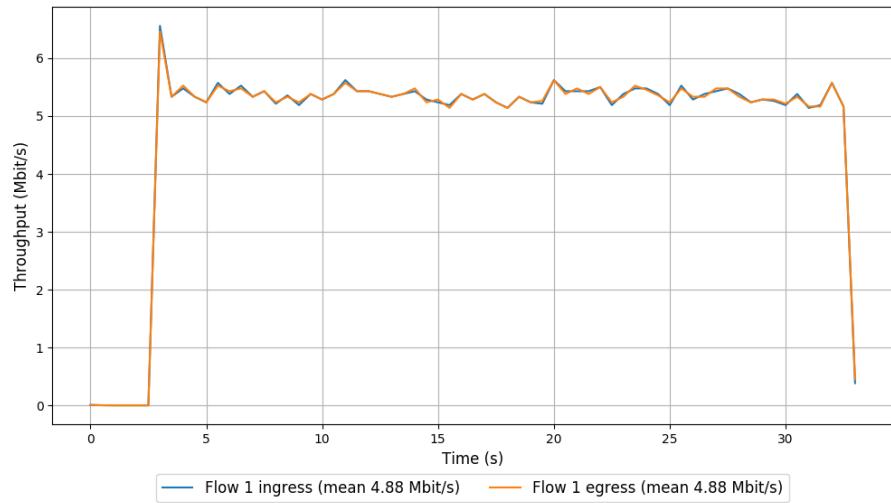


Run 2: Statistics of KohoCC

```
Start at: Tue, 27 Jun 2017 01:42:19 +0000
End at: Tue, 27 Jun 2017 01:42:49 +0000
Local clock offset: -4.76 ms
Remote clock offset: -0.268 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:01:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 6.693 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.88 Mbit/s
95th percentile per-packet one-way delay: 6.693 ms
Loss rate: 0.01%
```

Run 2: Report of KohoCC — Data Link

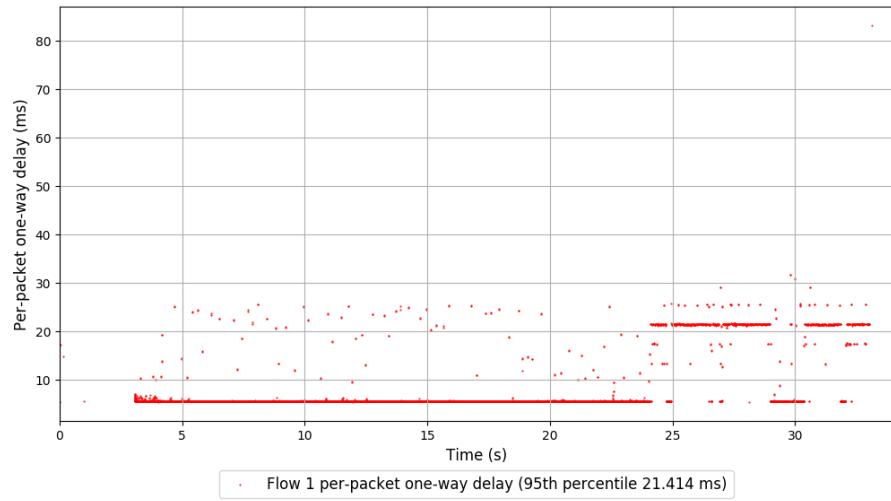
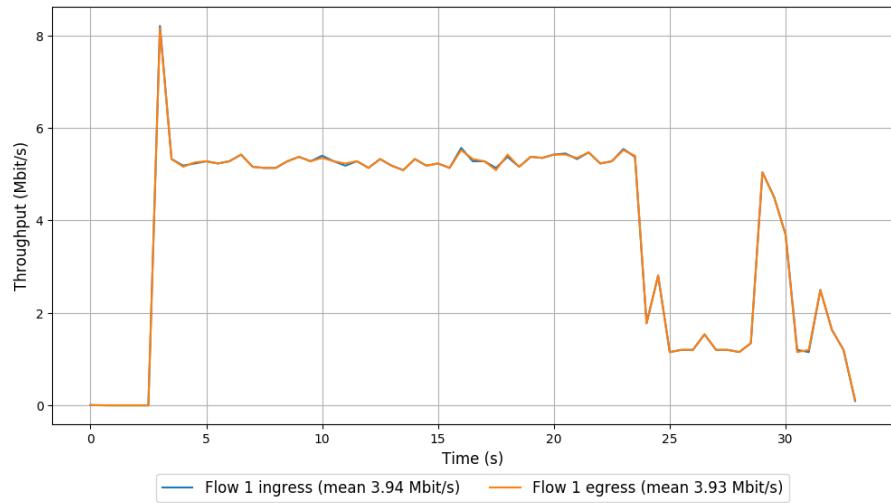


Run 3: Statistics of KohoCC

```
Start at: Tue, 27 Jun 2017 02:01:01 +0000
End at: Tue, 27 Jun 2017 02:01:31 +0000
Local clock offset: -3.645 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:01:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 21.414 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 21.414 ms
Loss rate: 0.01%
```

Run 3: Report of KohoCC — Data Link

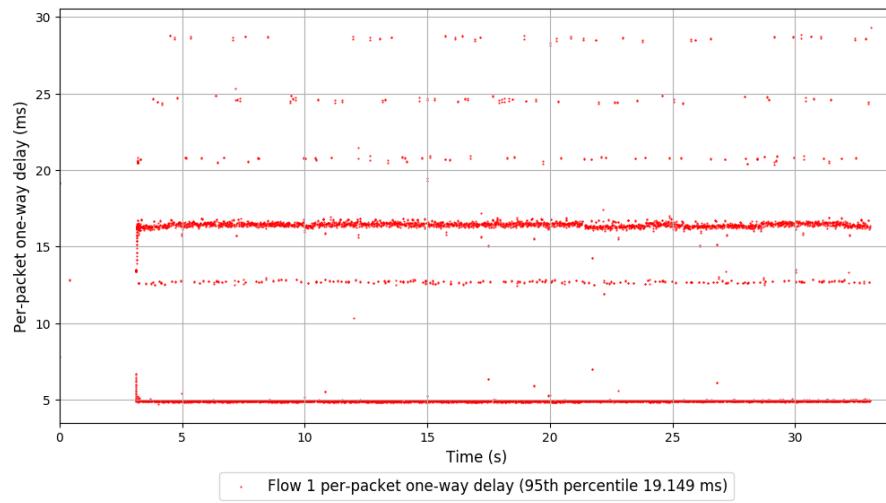
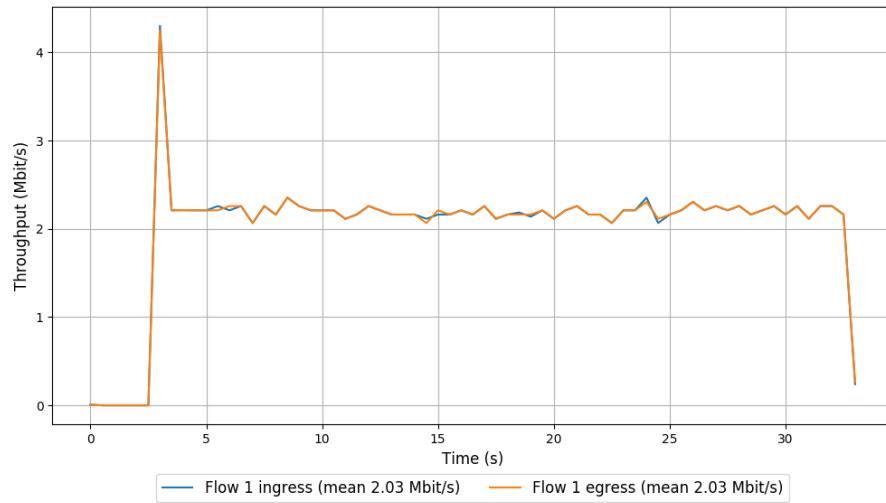


Run 4: Statistics of KohoCC

```
Start at: Tue, 27 Jun 2017 02:19:22 +0000
End at: Tue, 27 Jun 2017 02:19:52 +0000
Local clock offset: -2.893 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:01:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 19.149 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 19.149 ms
Loss rate: 0.02%
```

Run 4: Report of KohoCC — Data Link

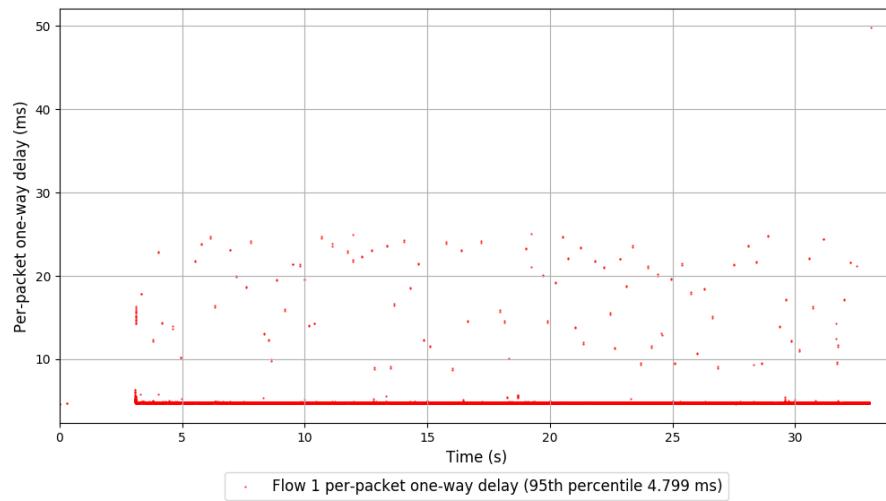
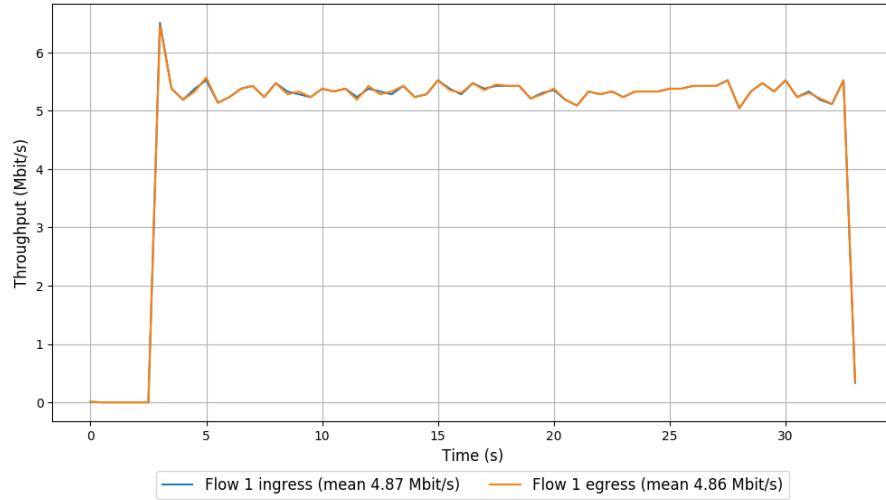


Run 5: Statistics of KohoCC

```
Start at: Tue, 27 Jun 2017 02:37:21 +0000
End at: Tue, 27 Jun 2017 02:37:51 +0000
Local clock offset: -2.449 ms
Remote clock offset: 0.148 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:01:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 4.799 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 4.799 ms
Loss rate: 0.01%
```

Run 5: Report of KohoCC — Data Link

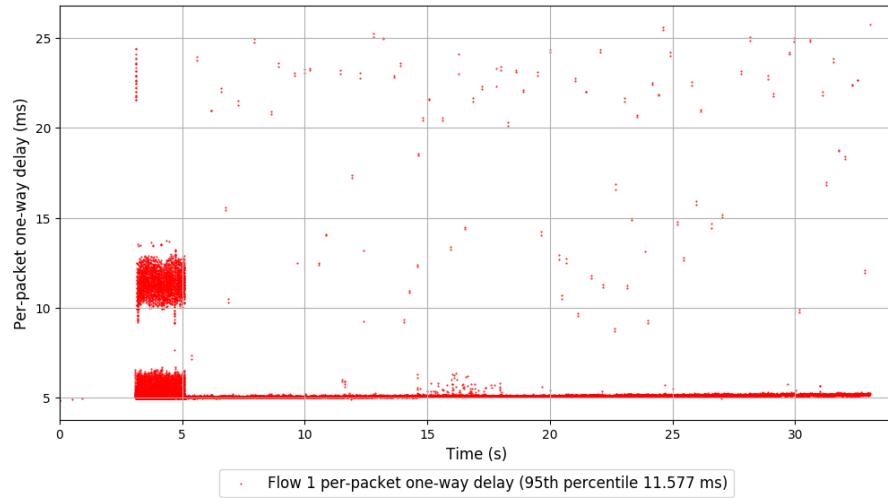
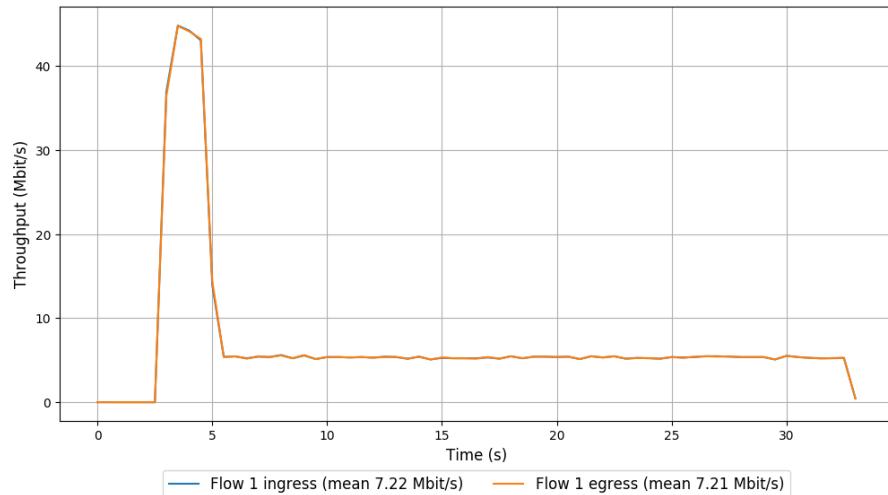


Run 6: Statistics of KohoCC

```
Start at: Tue, 27 Jun 2017 02:55:48 +0000
End at: Tue, 27 Jun 2017 02:56:18 +0000
Local clock offset: -2.28 ms
Remote clock offset: 0.359 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:01:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 11.577 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 11.577 ms
Loss rate: 0.01%
```

Run 6: Report of KohoCC — Data Link

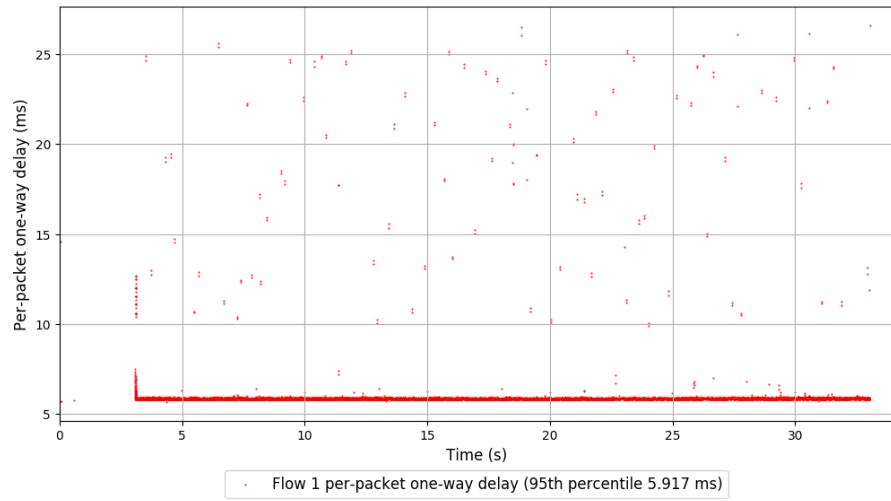
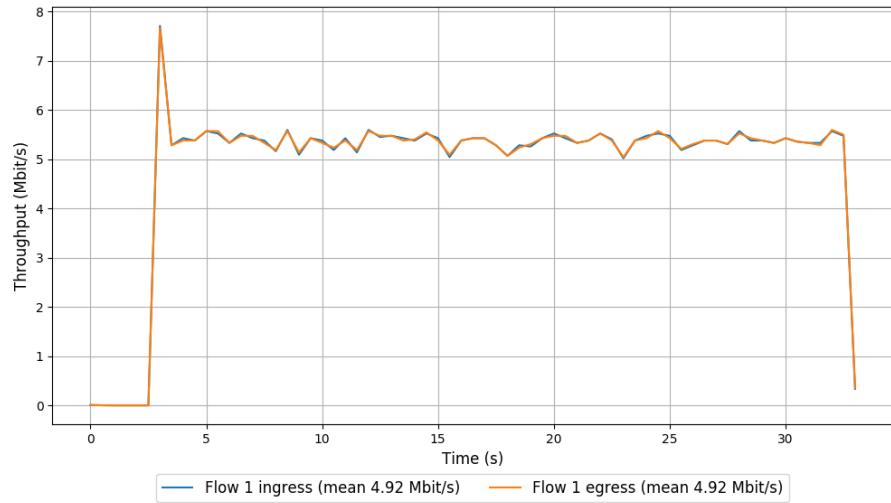


Run 7: Statistics of KohoCC

```
Start at: Tue, 27 Jun 2017 03:14:12 +0000
End at: Tue, 27 Jun 2017 03:14:42 +0000
Local clock offset: -3.294 ms
Remote clock offset: 0.329 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:01:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 5.917 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 5.917 ms
Loss rate: 0.01%
```

Run 7: Report of KohoCC — Data Link

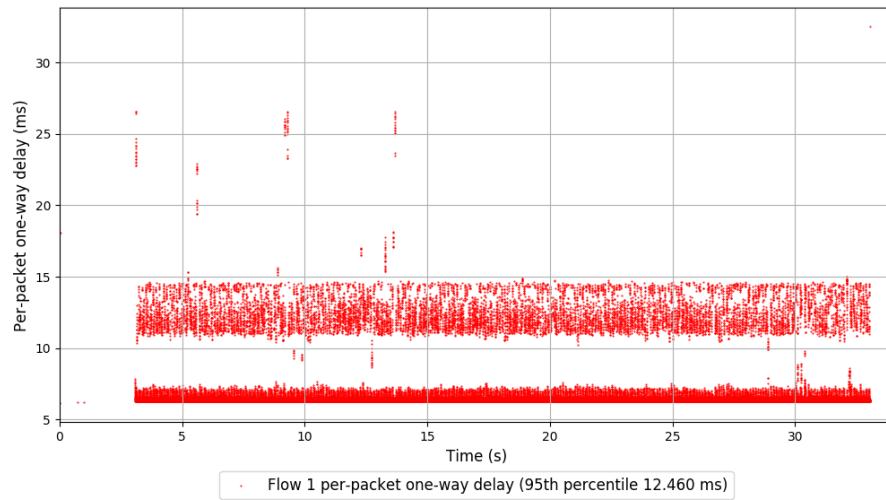
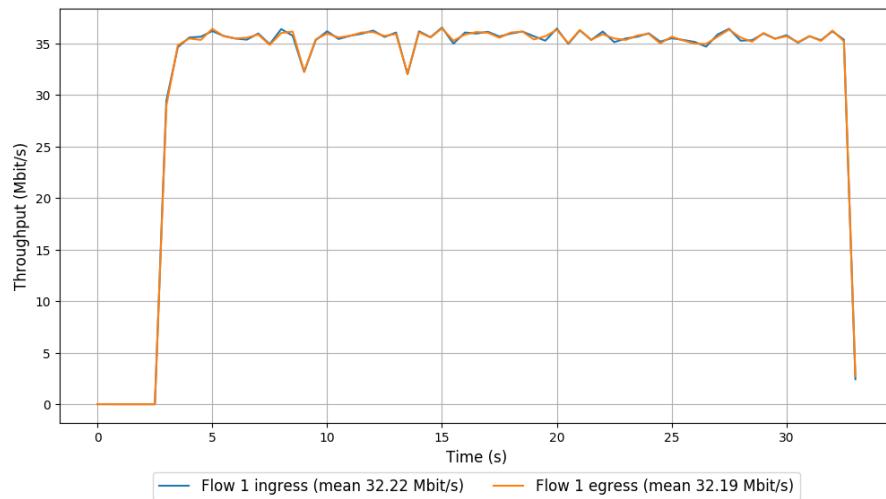


Run 8: Statistics of KohoCC

```
Start at: Tue, 27 Jun 2017 03:32:23 +0000
End at: Tue, 27 Jun 2017 03:32:53 +0000
Local clock offset: -3.666 ms
Remote clock offset: 0.404 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:02:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 12.460 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 32.19 Mbit/s
95th percentile per-packet one-way delay: 12.460 ms
Loss rate: 0.02%
```

Run 8: Report of KohoCC — Data Link

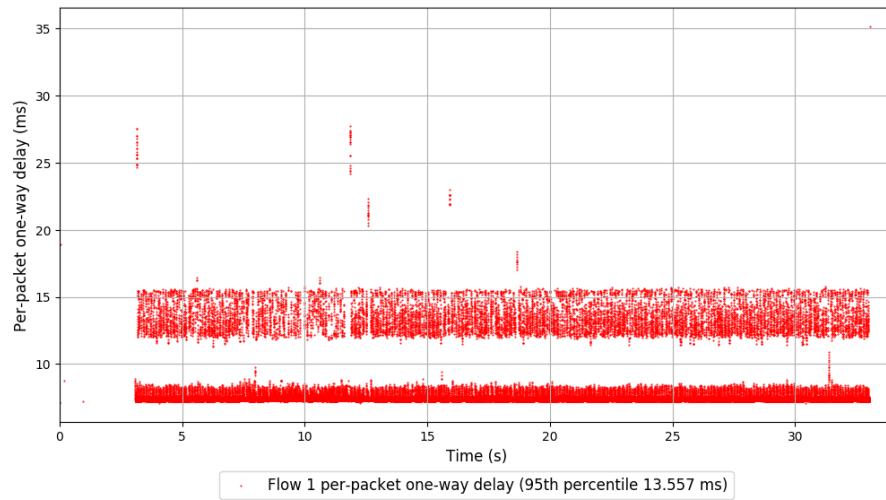
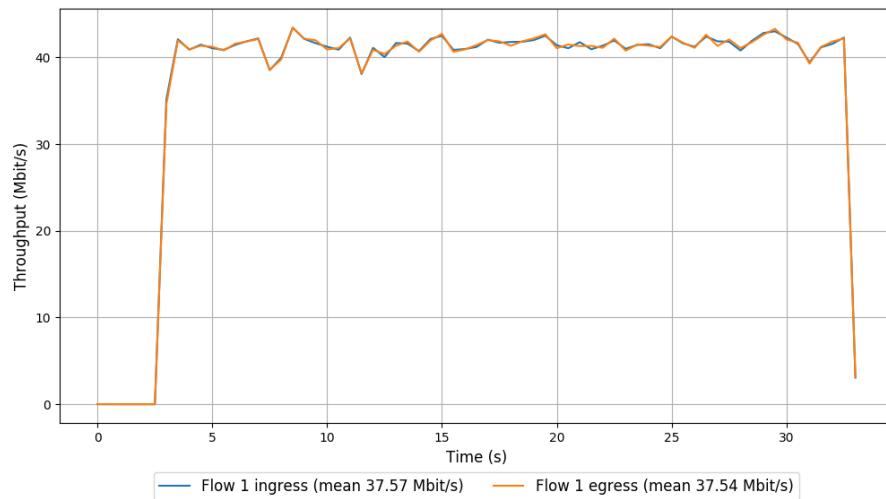


Run 9: Statistics of KohoCC

```
Start at: Tue, 27 Jun 2017 03:50:55 +0000
End at: Tue, 27 Jun 2017 03:51:25 +0000
Local clock offset: -4.587 ms
Remote clock offset: 0.552 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:02:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 13.557 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 37.54 Mbit/s
95th percentile per-packet one-way delay: 13.557 ms
Loss rate: 0.02%
```

Run 9: Report of KohoCC — Data Link

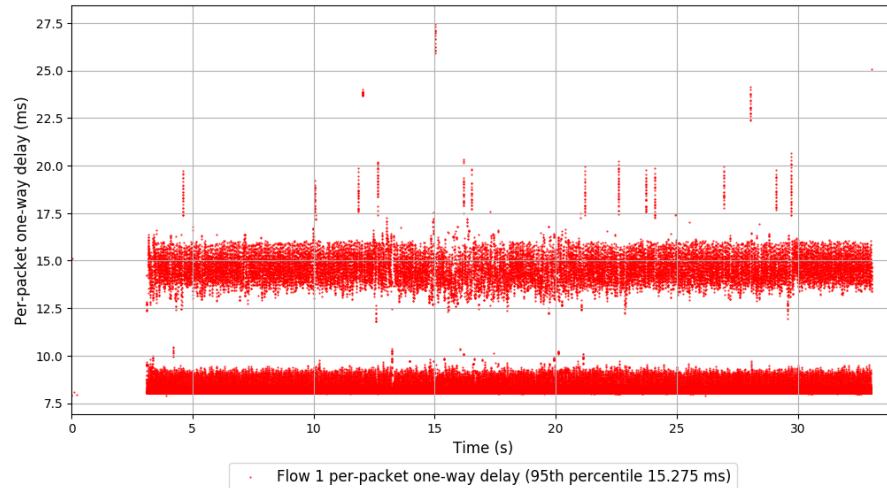
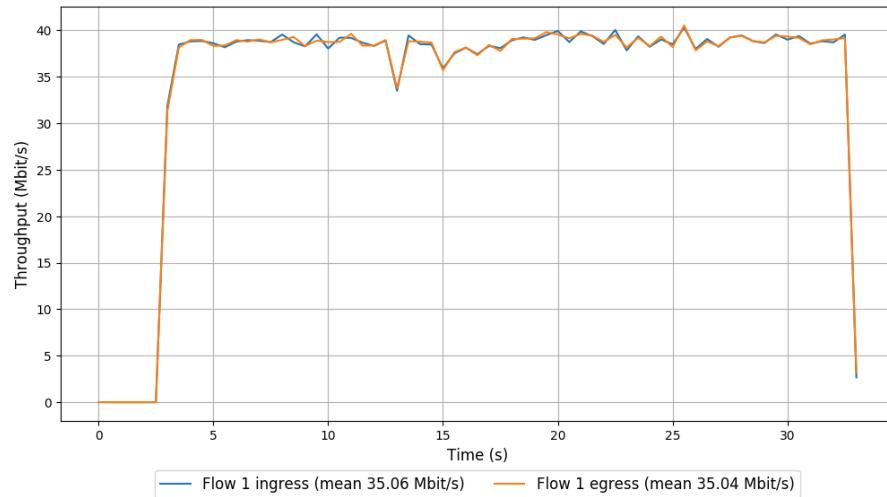


Run 10: Statistics of KohoCC

```
Start at: Tue, 27 Jun 2017 04:09:49 +0000
End at: Tue, 27 Jun 2017 04:10:19 +0000
Local clock offset: -5.474 ms
Remote clock offset: 0.41 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:02:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 15.275 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 35.04 Mbit/s
95th percentile per-packet one-way delay: 15.275 ms
Loss rate: 0.01%
```

Run 10: Report of KohoCC — Data Link

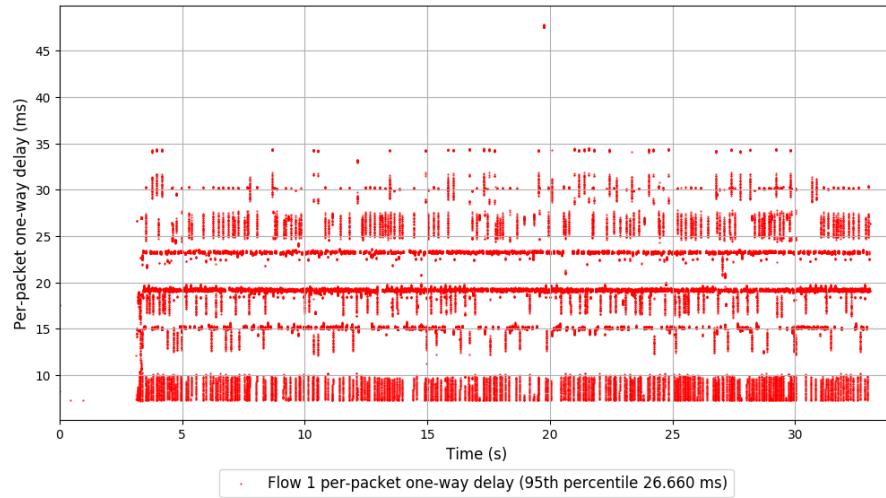
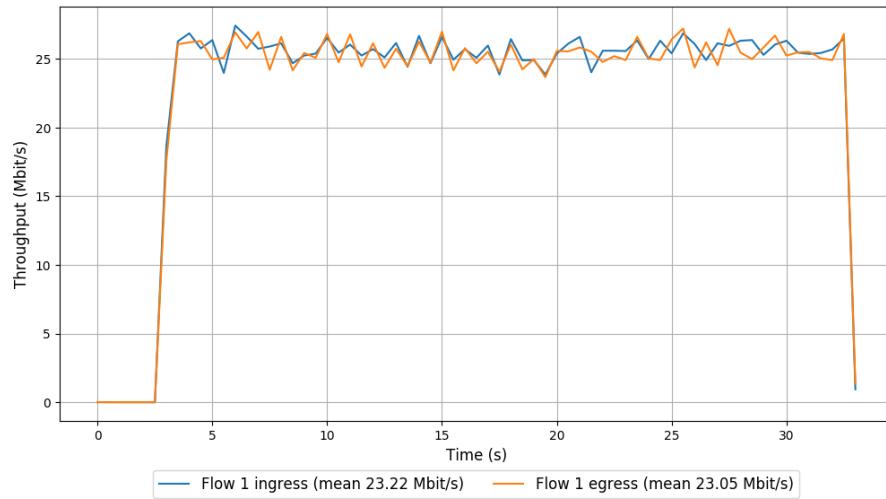


```
Run 1: Statistics of LEDBAT
```

```
Start at: Tue, 27 Jun 2017 01:13:50 +0000
End at: Tue, 27 Jun 2017 01:14:20 +0000
Local clock offset: -5.514 ms
Remote clock offset: -0.324 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:02:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.05 Mbit/s
95th percentile per-packet one-way delay: 26.660 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 23.05 Mbit/s
95th percentile per-packet one-way delay: 26.660 ms
Loss rate: 0.77%
```

Run 1: Report of LEDBAT — Data Link

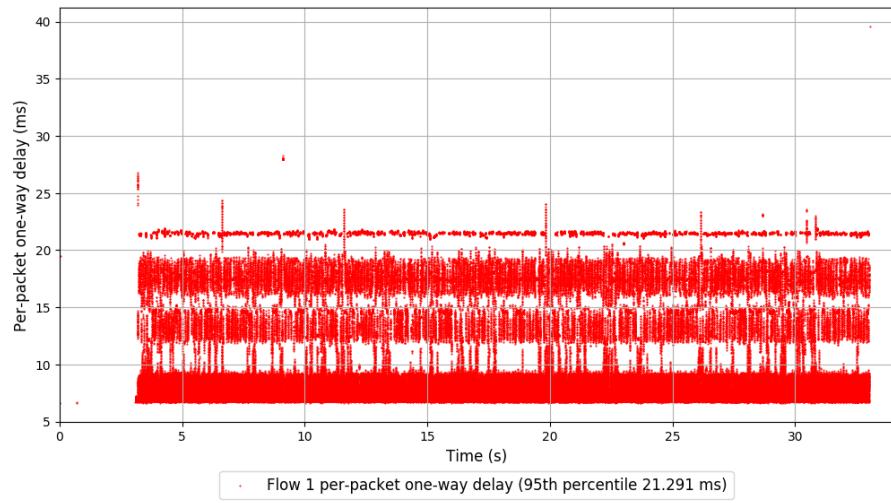
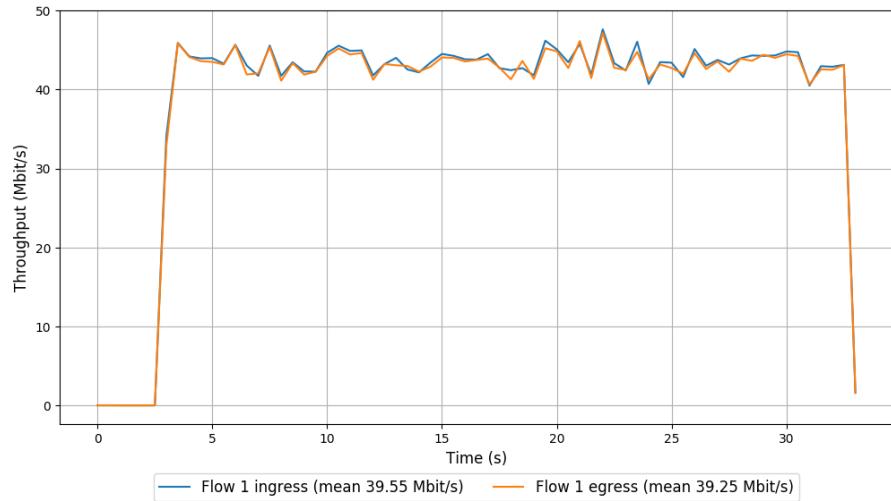


Run 2: Statistics of LEDBAT

```
Start at: Tue, 27 Jun 2017 01:32:18 +0000
End at: Tue, 27 Jun 2017 01:32:48 +0000
Local clock offset: -4.938 ms
Remote clock offset: -0.409 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:02:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 21.291 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 39.25 Mbit/s
95th percentile per-packet one-way delay: 21.291 ms
Loss rate: 0.70%
```

Run 2: Report of LEDBAT — Data Link

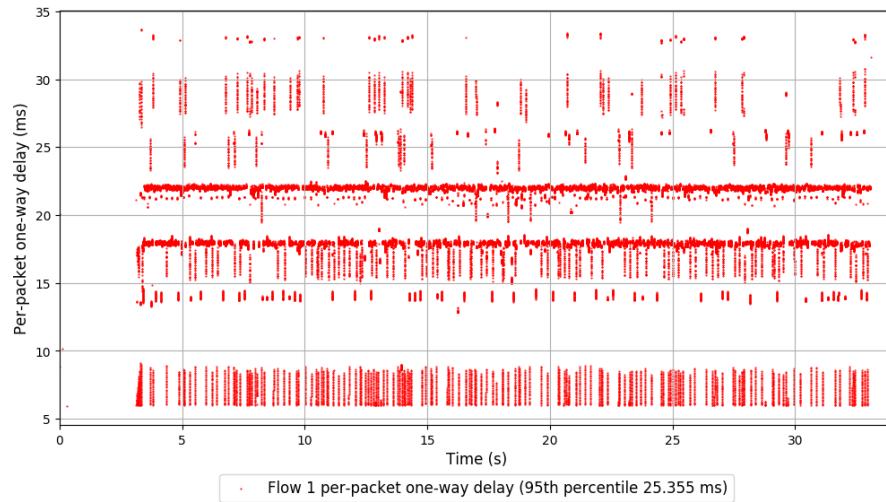
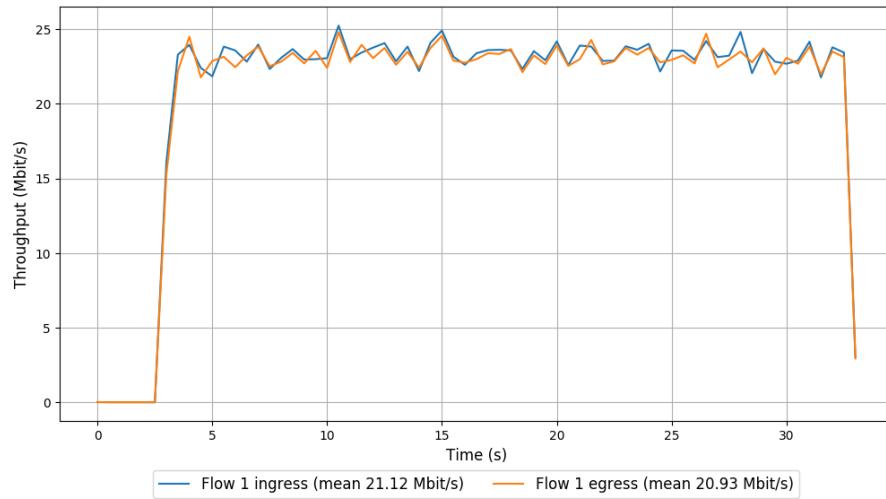


Run 3: Statistics of LEDBAT

```
Start at: Tue, 27 Jun 2017 01:51:02 +0000
End at: Tue, 27 Jun 2017 01:51:32 +0000
Local clock offset: -4.208 ms
Remote clock offset: -0.248 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:02:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 25.355 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 20.93 Mbit/s
95th percentile per-packet one-way delay: 25.355 ms
Loss rate: 0.85%
```

Run 3: Report of LEDBAT — Data Link

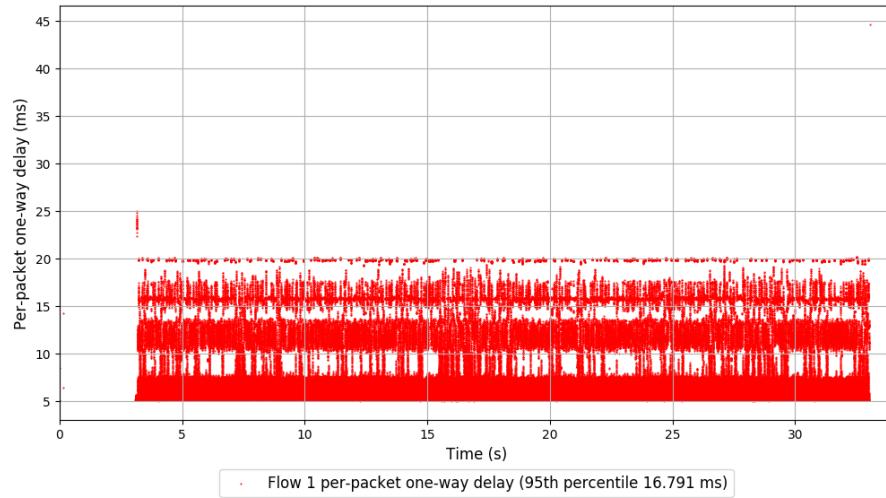
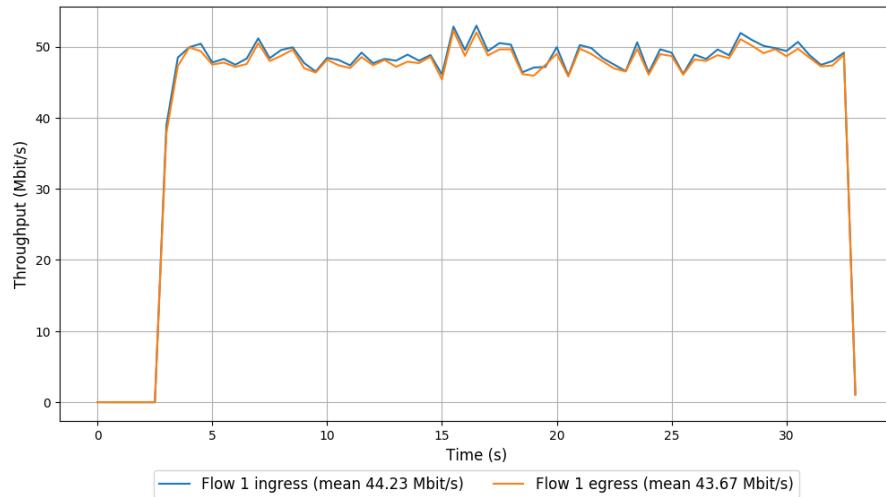


Run 4: Statistics of LEDBAT

```
Start at: Tue, 27 Jun 2017 02:09:23 +0000
End at: Tue, 27 Jun 2017 02:09:53 +0000
Local clock offset: -3.312 ms
Remote clock offset: -0.207 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:03:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.67 Mbit/s
95th percentile per-packet one-way delay: 16.791 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 43.67 Mbit/s
95th percentile per-packet one-way delay: 16.791 ms
Loss rate: 1.16%
```

Run 4: Report of LEDBAT — Data Link

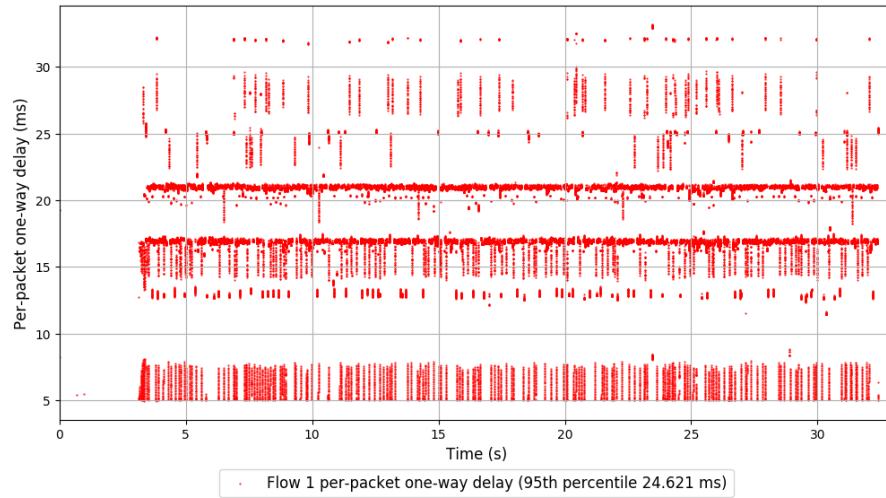
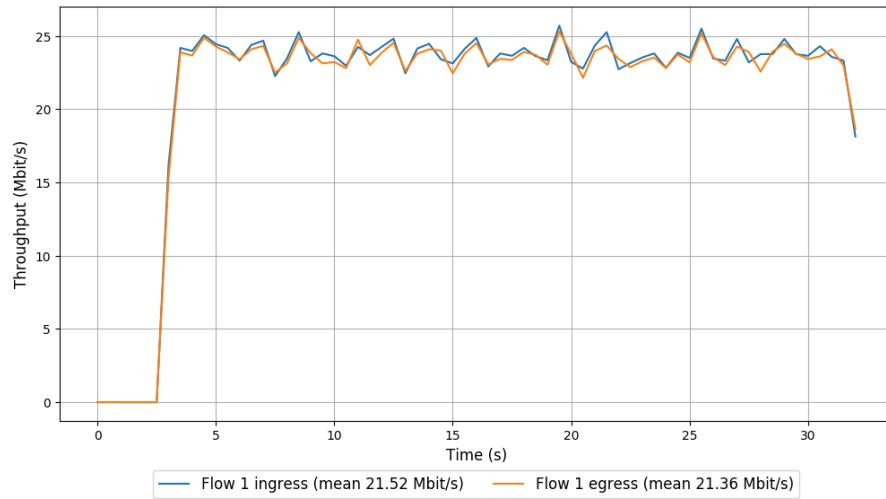


Run 5: Statistics of LEDBAT

```
Start at: Tue, 27 Jun 2017 02:27:40 +0000
End at: Tue, 27 Jun 2017 02:28:11 +0000
Local clock offset: -3.341 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:03:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.36 Mbit/s
95th percentile per-packet one-way delay: 24.621 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 21.36 Mbit/s
95th percentile per-packet one-way delay: 24.621 ms
Loss rate: 0.81%
```

Run 5: Report of LEDBAT — Data Link

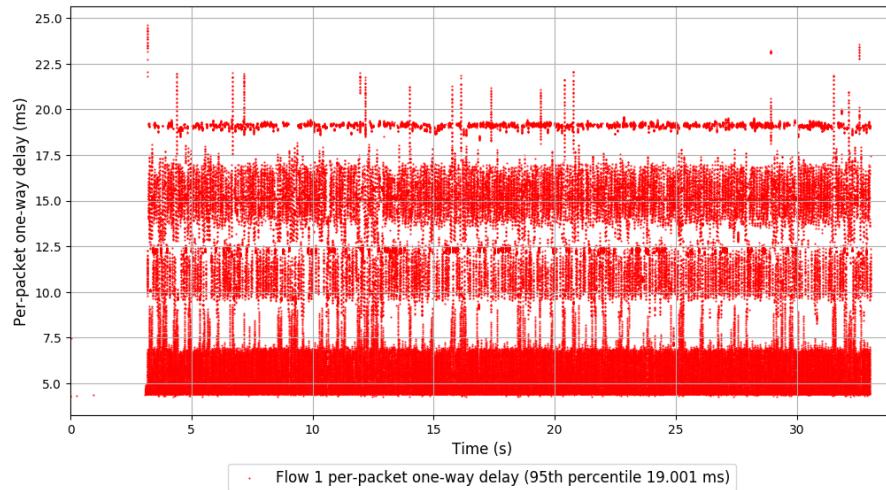
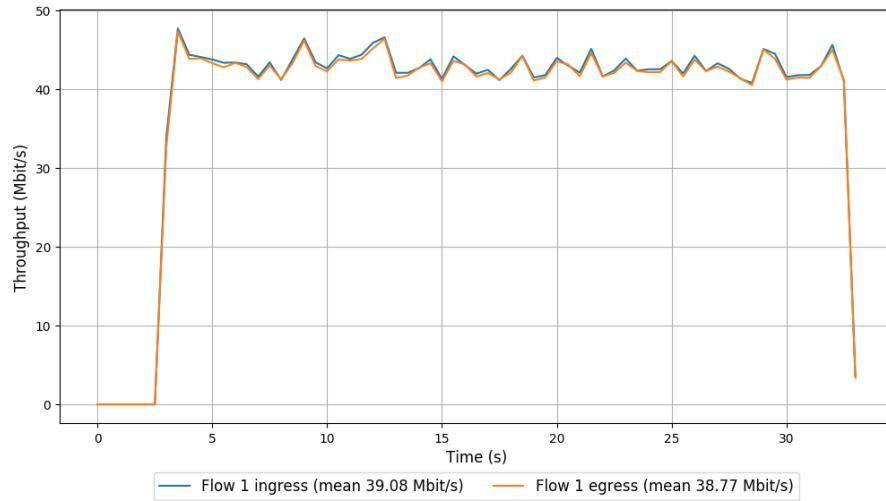


Run 6: Statistics of LEDBAT

```
Start at: Tue, 27 Jun 2017 02:45:52 +0000
End at: Tue, 27 Jun 2017 02:46:22 +0000
Local clock offset: -2.045 ms
Remote clock offset: 0.267 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:03:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 19.001 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 38.77 Mbit/s
95th percentile per-packet one-way delay: 19.001 ms
Loss rate: 0.76%
```

Run 6: Report of LEDBAT — Data Link

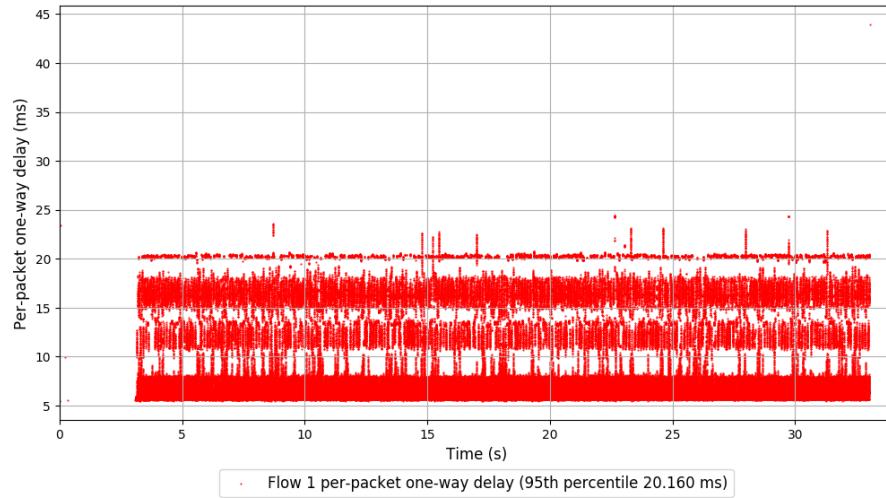
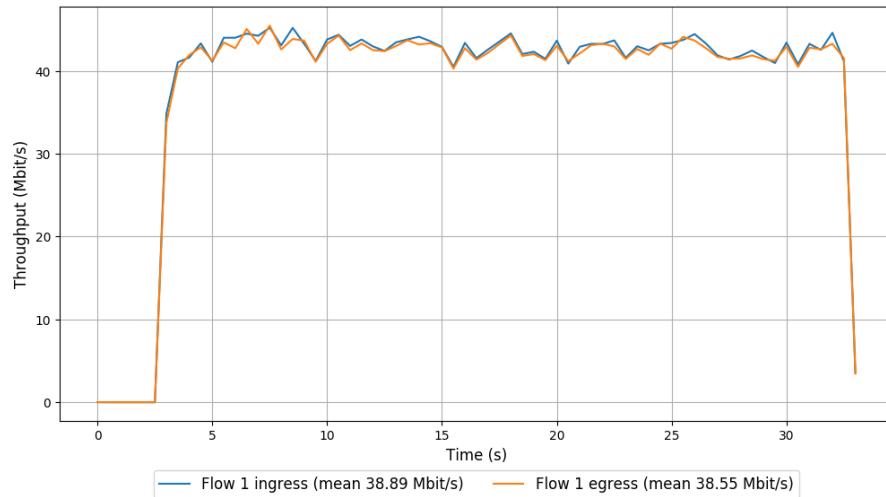


Run 7: Statistics of LEDBAT

```
Start at: Tue, 27 Jun 2017 03:04:18 +0000
End at: Tue, 27 Jun 2017 03:04:48 +0000
Local clock offset: -3.068 ms
Remote clock offset: 0.273 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:03:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 20.160 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 38.55 Mbit/s
95th percentile per-packet one-way delay: 20.160 ms
Loss rate: 0.77%
```

Run 7: Report of LEDBAT — Data Link

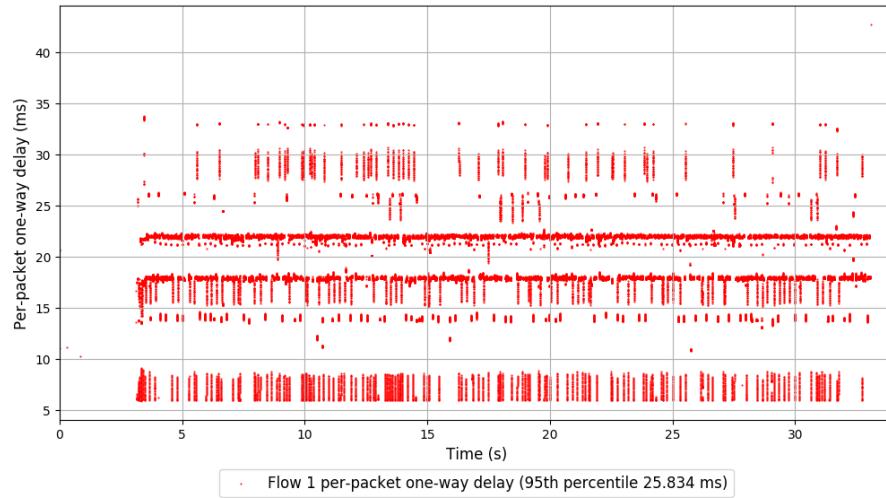
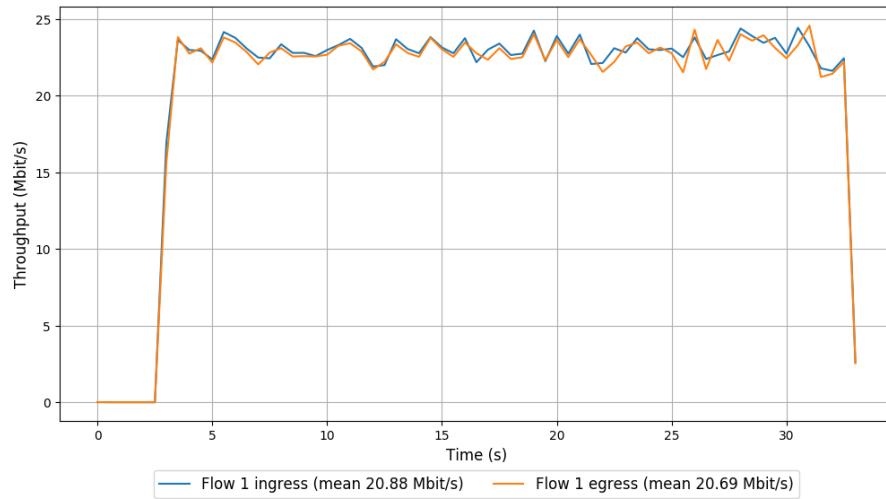


Run 8: Statistics of LEDBAT

```
Start at: Tue, 27 Jun 2017 03:22:37 +0000
End at: Tue, 27 Jun 2017 03:23:07 +0000
Local clock offset: -4.922 ms
Remote clock offset: 0.349 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:03:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 25.834 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 25.834 ms
Loss rate: 0.81%
```

Run 8: Report of LEDBAT — Data Link

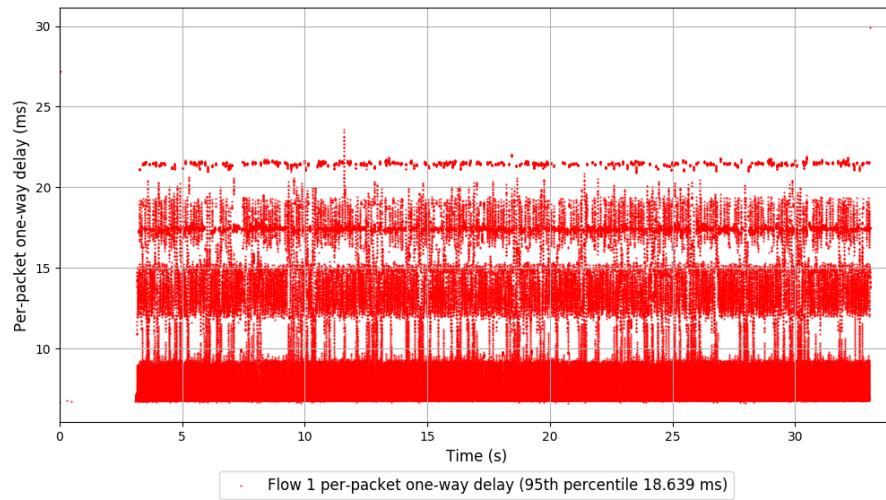
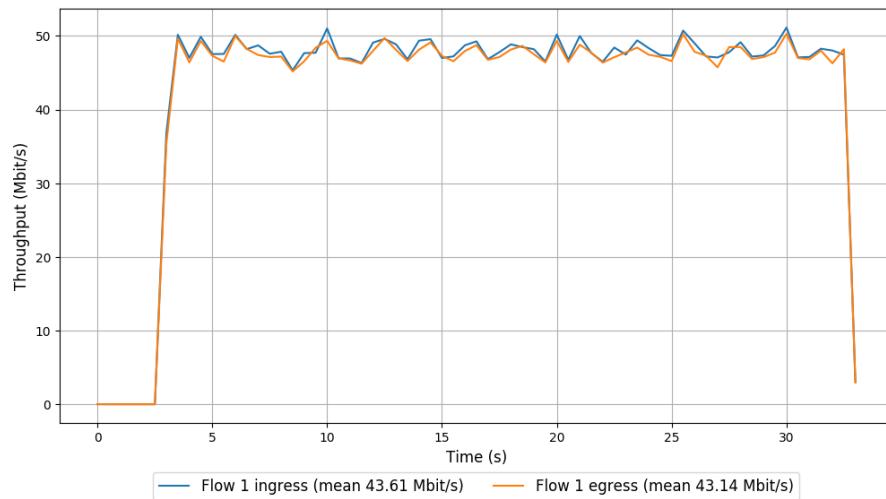


Run 9: Statistics of LEDBAT

```
Start at: Tue, 27 Jun 2017 03:40:57 +0000
End at: Tue, 27 Jun 2017 03:41:27 +0000
Local clock offset: -4.067 ms
Remote clock offset: 0.516 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:04:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 18.639 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 18.639 ms
Loss rate: 1.05%
```

Run 9: Report of LEDBAT — Data Link

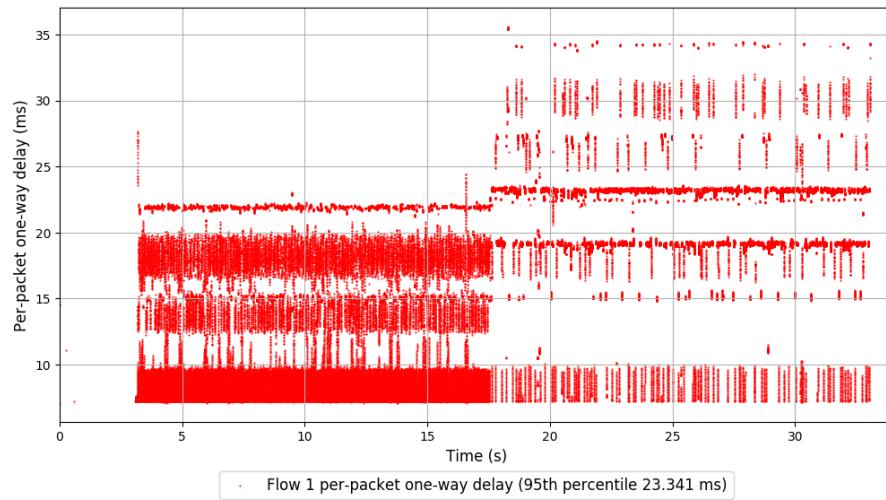
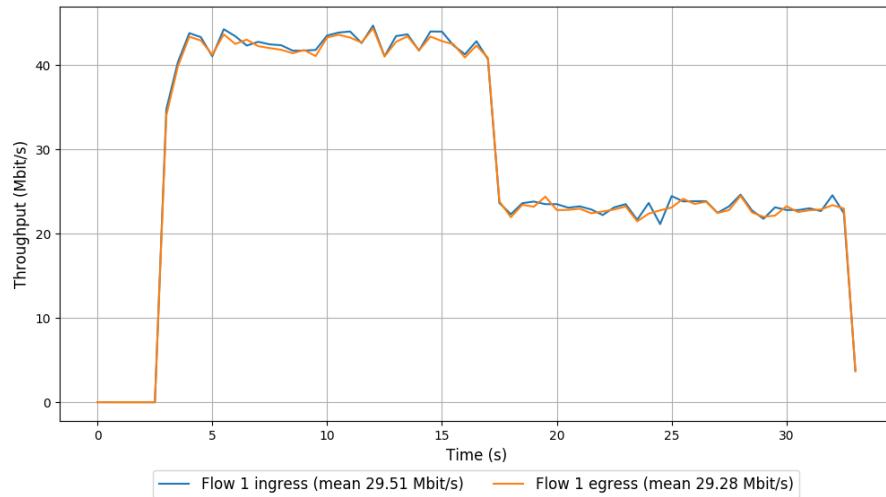


Run 10: Statistics of LEDBAT

```
Start at: Tue, 27 Jun 2017 03:59:43 +0000
End at: Tue, 27 Jun 2017 04:00:13 +0000
Local clock offset: -4.585 ms
Remote clock offset: 0.506 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:04:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 23.341 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 29.28 Mbit/s
95th percentile per-packet one-way delay: 23.341 ms
Loss rate: 0.78%
```

Run 10: Report of LEDBAT — Data Link

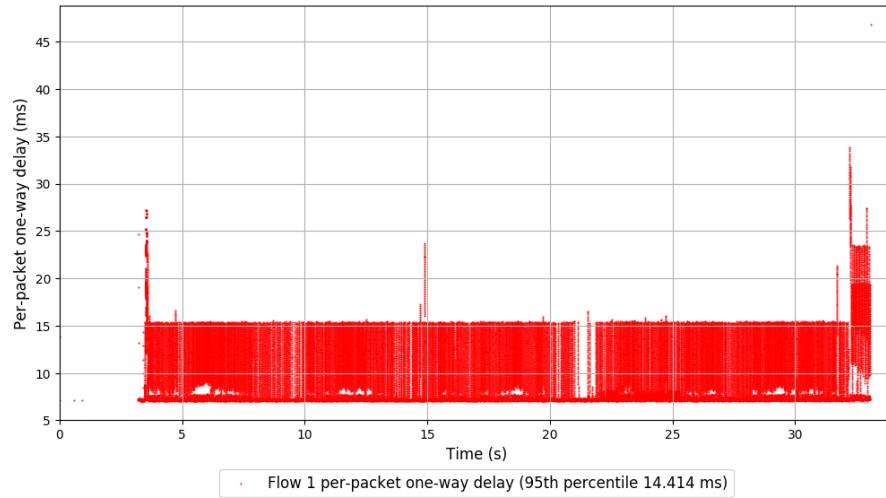
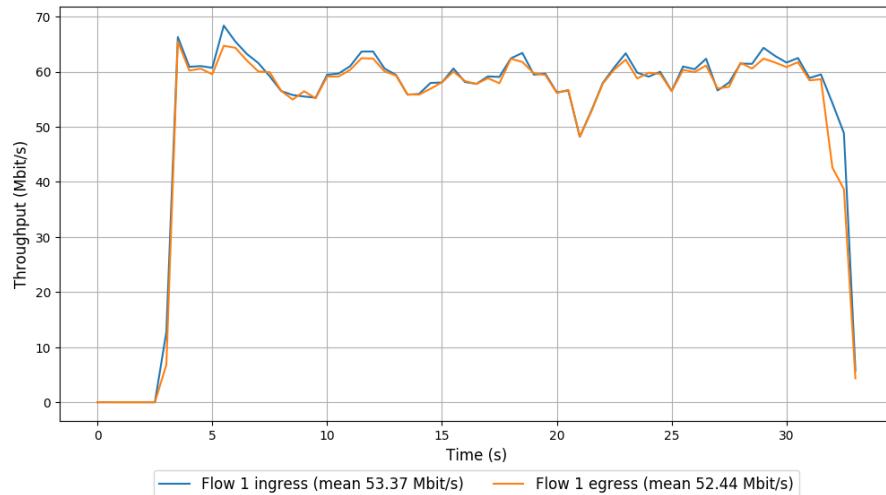


Run 1: Statistics of PCC

```
Start at: Tue, 27 Jun 2017 01:06:41 +0000
End at: Tue, 27 Jun 2017 01:07:11 +0000
Local clock offset: -5.394 ms
Remote clock offset: -0.371 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:04:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.44 Mbit/s
95th percentile per-packet one-way delay: 14.414 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 52.44 Mbit/s
95th percentile per-packet one-way delay: 14.414 ms
Loss rate: 1.72%
```

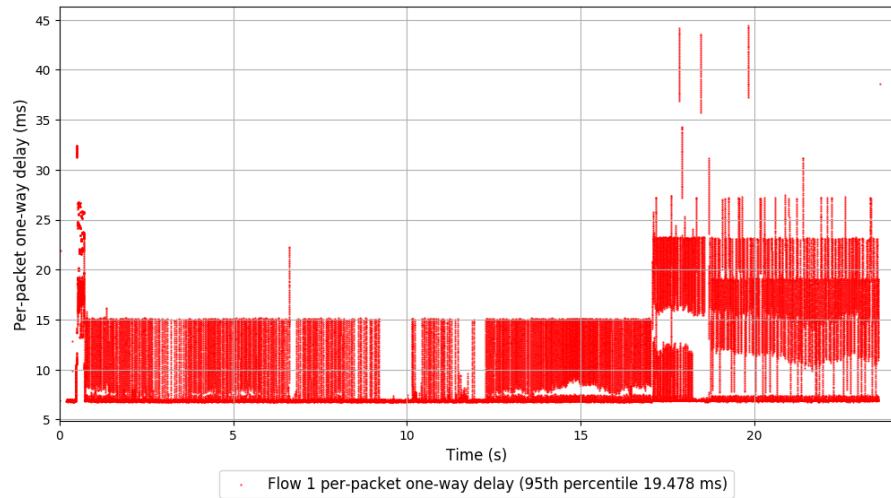
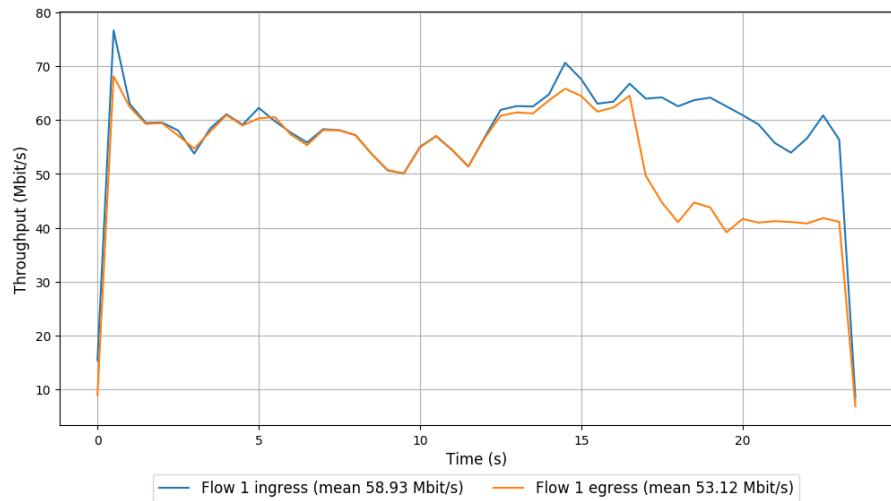
Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 27 Jun 2017 01:24:57 +0000
End at: Tue, 27 Jun 2017 01:25:27 +0000
Local clock offset: -5.114 ms
Remote clock offset: -0.304 ms

Run 2: Report of PCC — Data Link

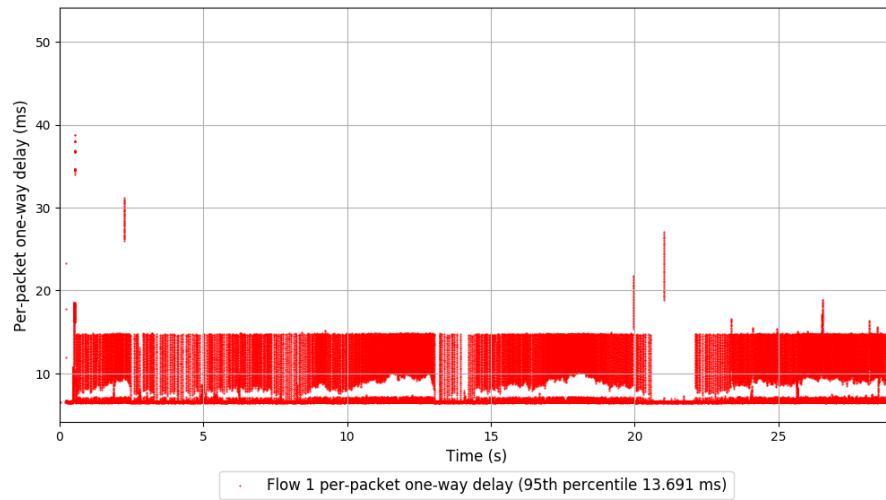
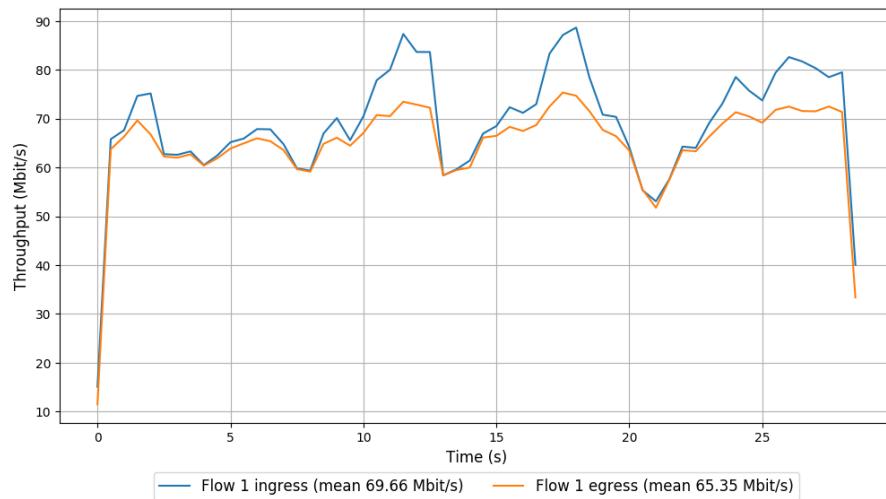


Run 3: Statistics of PCC

```
Start at: Tue, 27 Jun 2017 01:43:25 +0000
End at: Tue, 27 Jun 2017 01:43:55 +0000
Local clock offset: -4.706 ms
Remote clock offset: -0.264 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:04:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.35 Mbit/s
95th percentile per-packet one-way delay: 13.691 ms
Loss rate: 6.14%
-- Flow 1:
Average throughput: 65.35 Mbit/s
95th percentile per-packet one-way delay: 13.691 ms
Loss rate: 6.14%
```

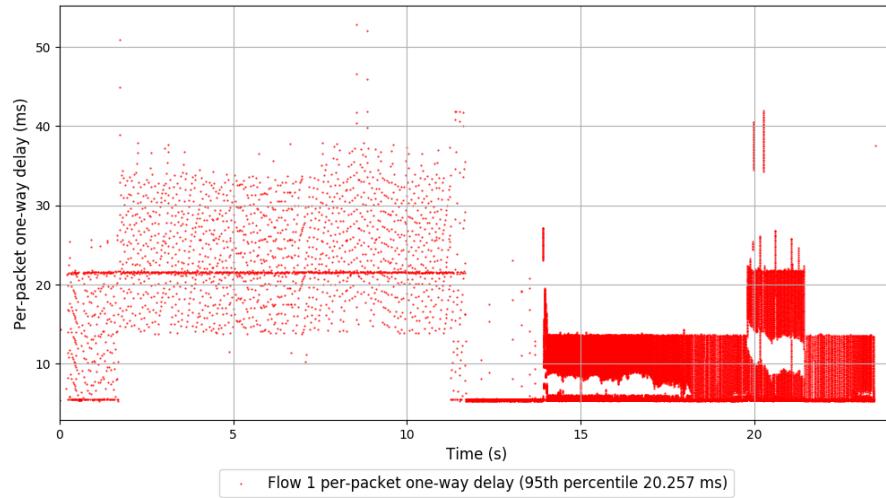
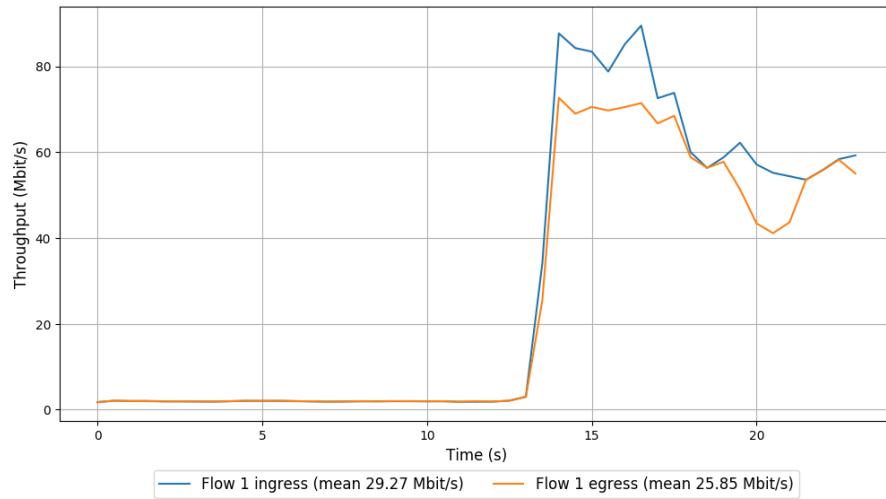
Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 27 Jun 2017 02:02:08 +0000
End at: Tue, 27 Jun 2017 02:02:38 +0000
Local clock offset: -3.591 ms
Remote clock offset: -0.219 ms

Run 4: Report of PCC — Data Link

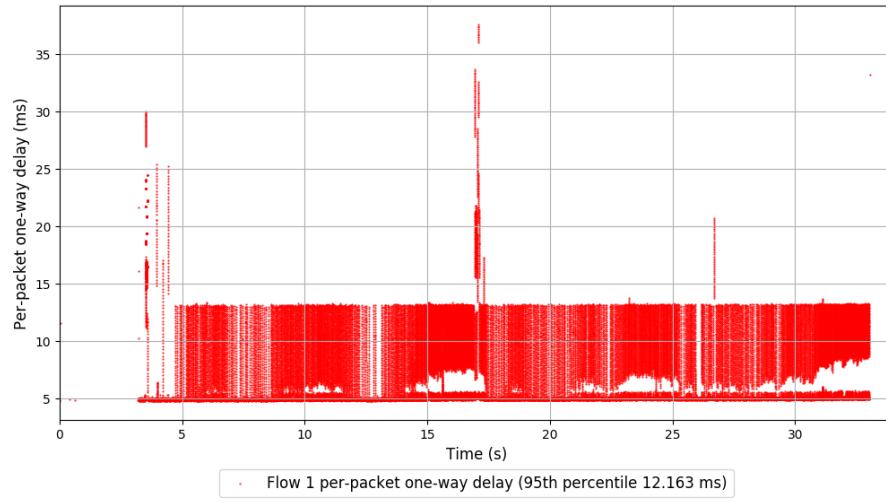
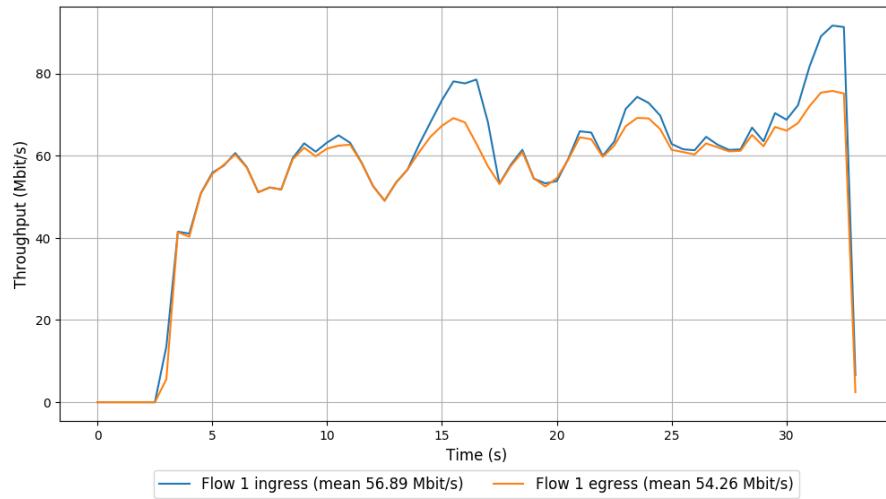


Run 5: Statistics of PCC

```
Start at: Tue, 27 Jun 2017 02:20:27 +0000
End at: Tue, 27 Jun 2017 02:20:58 +0000
Local clock offset: -4.187 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:05:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.26 Mbit/s
95th percentile per-packet one-way delay: 12.163 ms
Loss rate: 4.62%
-- Flow 1:
Average throughput: 54.26 Mbit/s
95th percentile per-packet one-way delay: 12.163 ms
Loss rate: 4.62%
```

Run 5: Report of PCC — Data Link

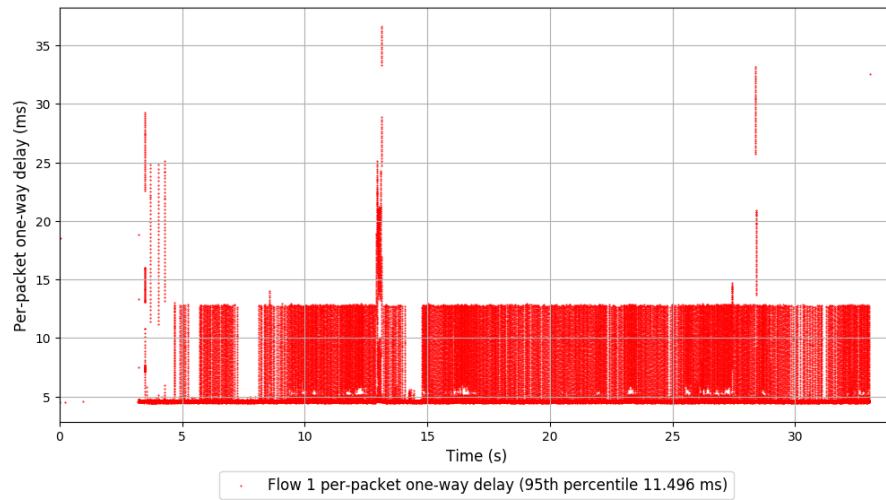
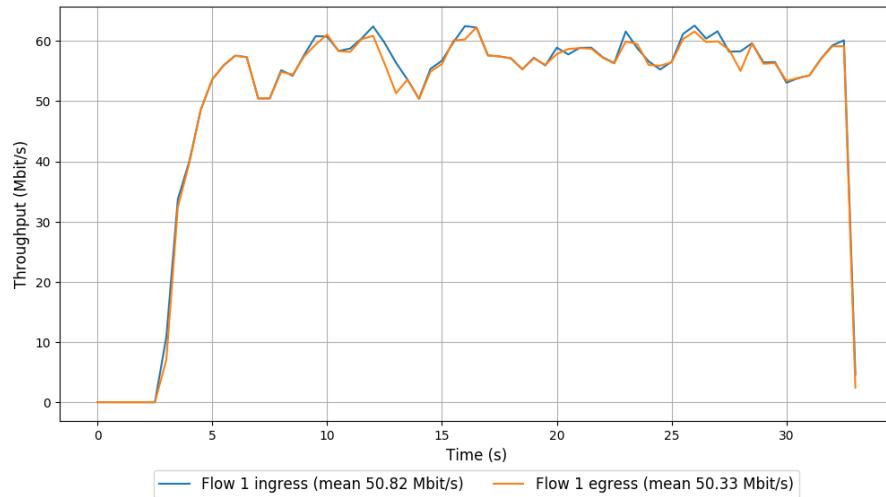


Run 6: Statistics of PCC

```
Start at: Tue, 27 Jun 2017 02:38:27 +0000
End at: Tue, 27 Jun 2017 02:38:57 +0000
Local clock offset: -2.371 ms
Remote clock offset: 0.195 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:05:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 11.496 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 11.496 ms
Loss rate: 0.97%
```

Run 6: Report of PCC — Data Link

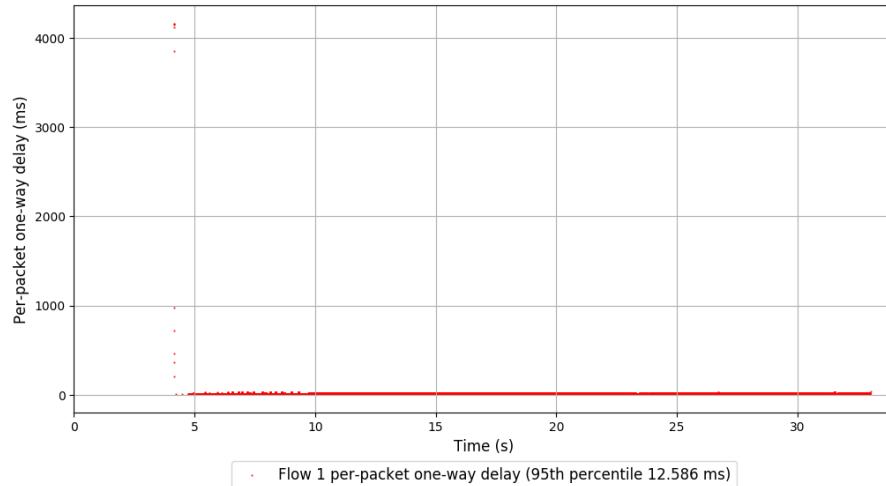
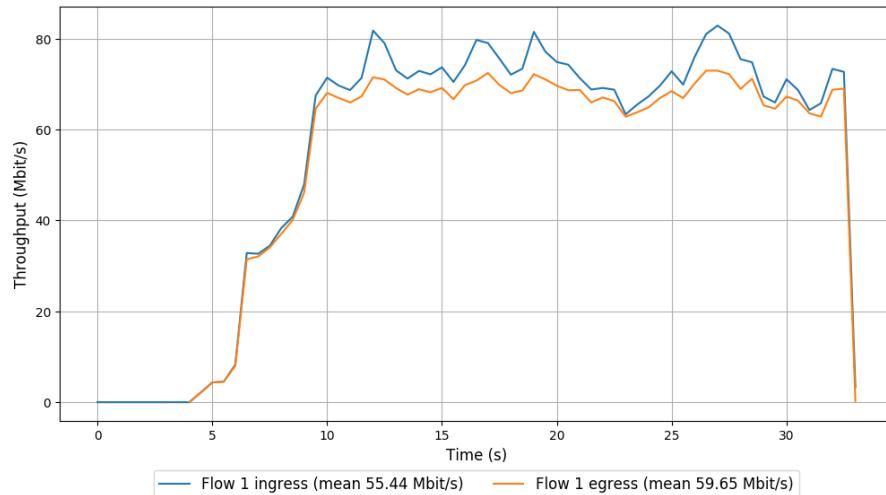


Run 7: Statistics of PCC

```
Start at: Tue, 27 Jun 2017 02:56:55 +0000
End at: Tue, 27 Jun 2017 02:57:25 +0000
Local clock offset: -2.665 ms
Remote clock offset: 0.35 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:05:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 12.586 ms
Loss rate: 5.94%
-- Flow 1:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 12.586 ms
Loss rate: 5.94%
```

Run 7: Report of PCC — Data Link

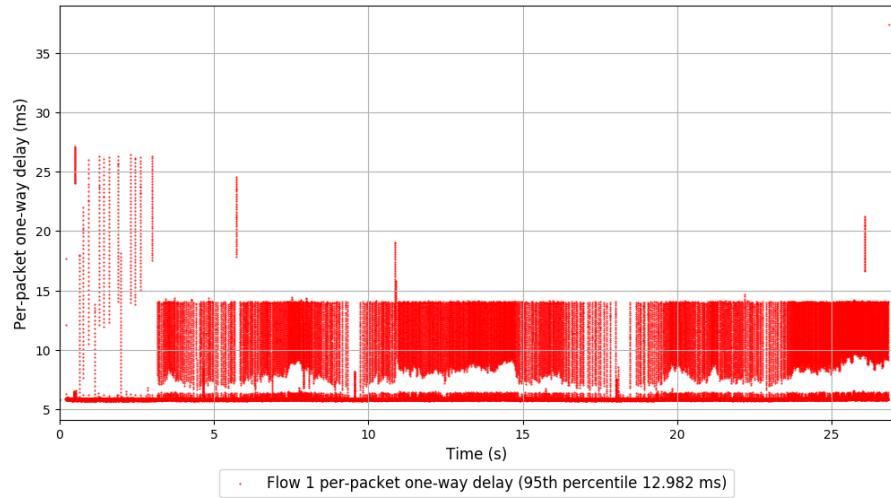
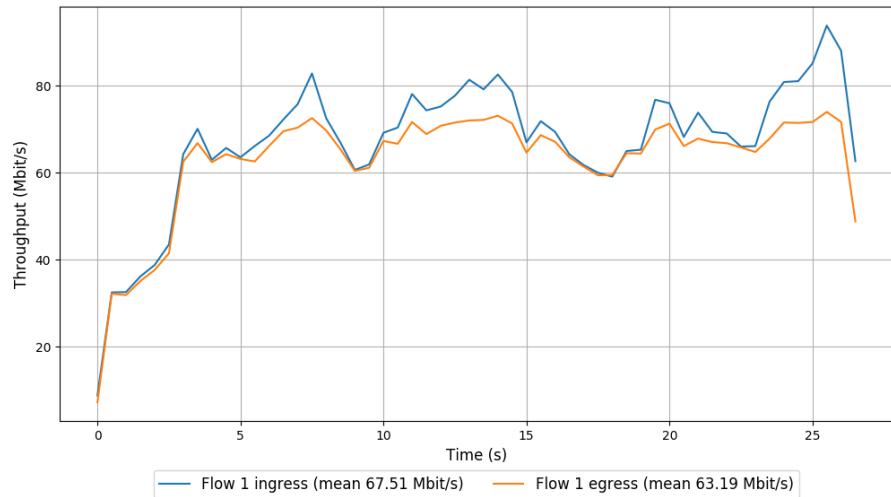


Run 8: Statistics of PCC

```
Start at: Tue, 27 Jun 2017 03:15:18 +0000
End at: Tue, 27 Jun 2017 03:15:48 +0000
Local clock offset: -3.302 ms
Remote clock offset: 0.388 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:05:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.19 Mbit/s
95th percentile per-packet one-way delay: 12.982 ms
Loss rate: 6.40%
-- Flow 1:
Average throughput: 63.19 Mbit/s
95th percentile per-packet one-way delay: 12.982 ms
Loss rate: 6.40%
```

Run 8: Report of PCC — Data Link

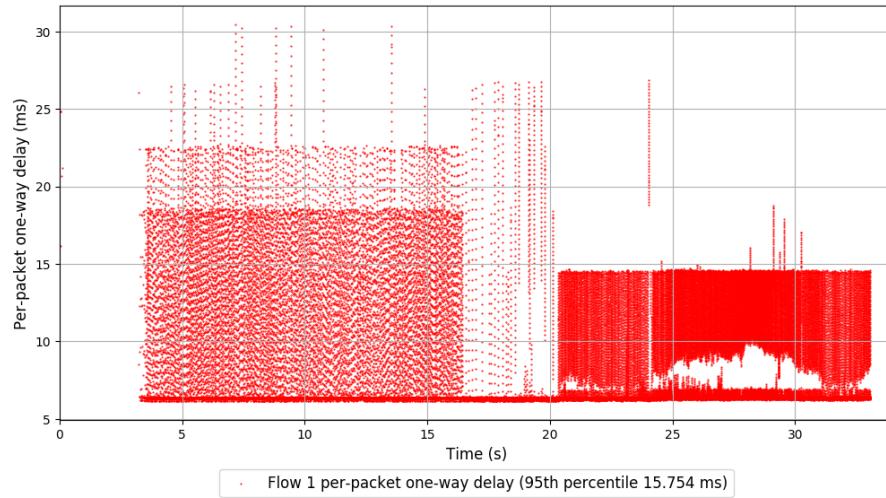
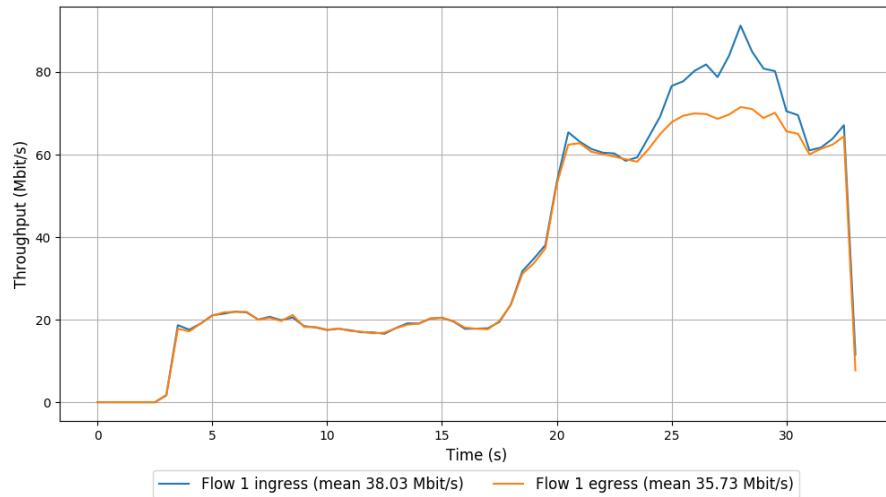


Run 9: Statistics of PCC

```
Start at: Tue, 27 Jun 2017 03:33:39 +0000
End at: Tue, 27 Jun 2017 03:34:09 +0000
Local clock offset: -3.722 ms
Remote clock offset: 0.447 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:06:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 15.754 ms
Loss rate: 6.17%
-- Flow 1:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 15.754 ms
Loss rate: 6.17%
```

Run 9: Report of PCC — Data Link

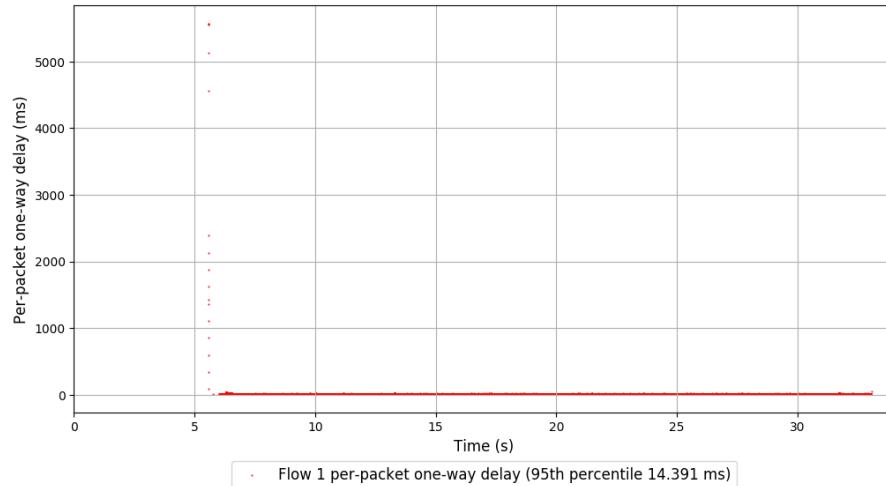
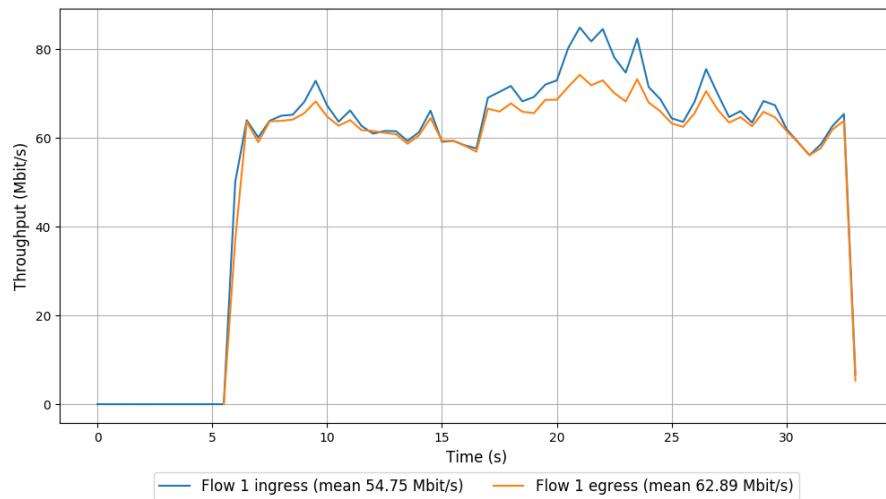


Run 10: Statistics of PCC

```
Start at: Tue, 27 Jun 2017 03:52:11 +0000
End at: Tue, 27 Jun 2017 03:52:41 +0000
Local clock offset: -4.594 ms
Remote clock offset: 0.505 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:06:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 14.391 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 62.89 Mbit/s
95th percentile per-packet one-way delay: 14.391 ms
Loss rate: 4.34%
```

Run 10: Report of PCC — Data Link



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

```
Start at: Tue, 27 Jun 2017 01:09:16 +0000
```

```
End at: Tue, 27 Jun 2017 01:09:46 +0000
```

```
Local clock offset: -5.507 ms
```

```
Remote clock offset: -0.37 ms
```

```
# Below is generated by plot.py at Tue, 27 Jun 2017 07:06:26 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 12.10 Mbit/s
```

```
95th percentile per-packet one-way delay: 36.389 ms
```

```
Loss rate: 0.34%
```

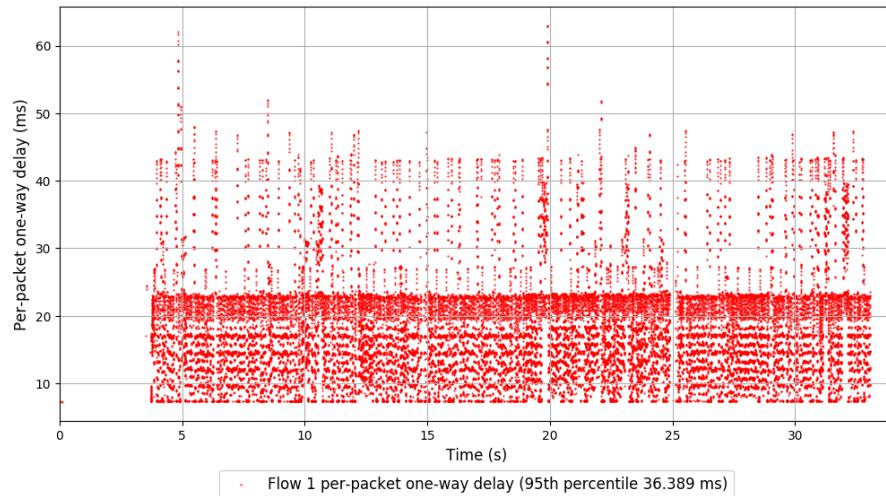
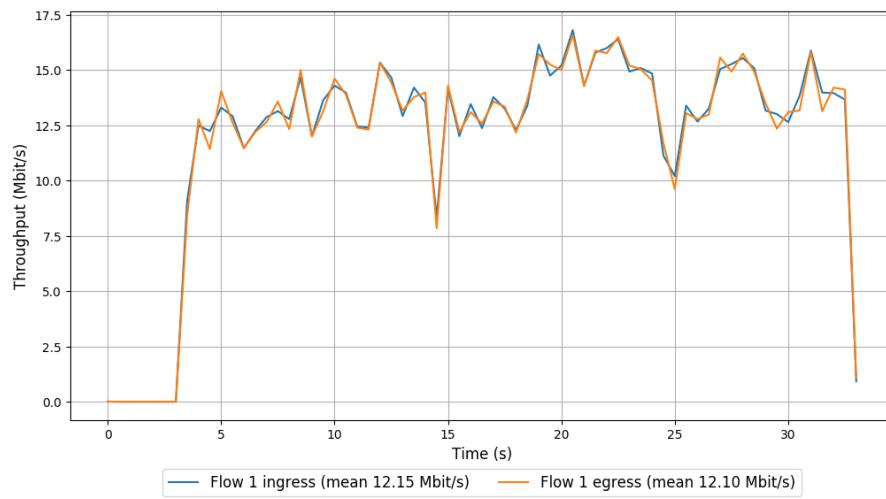
```
-- Flow 1:
```

```
Average throughput: 12.10 Mbit/s
```

```
95th percentile per-packet one-way delay: 36.389 ms
```

```
Loss rate: 0.34%
```

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

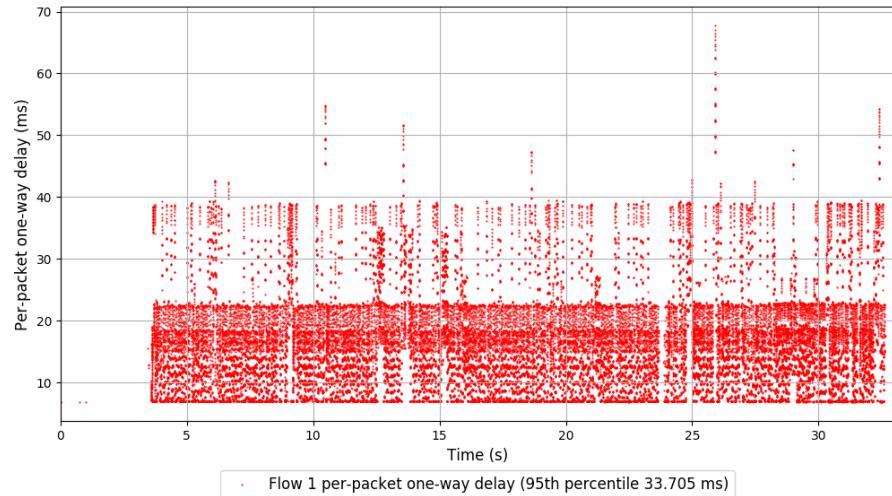
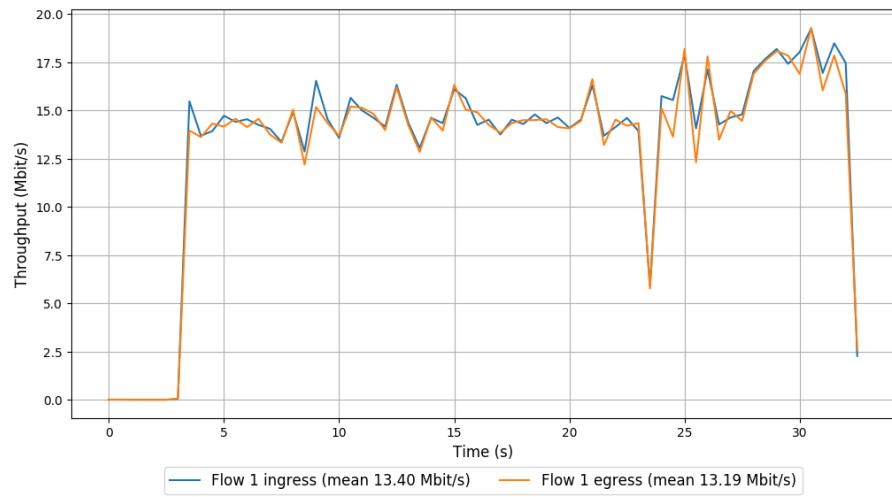


Run 2: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 27 Jun 2017 01:27:29 +0000
End at: Tue, 27 Jun 2017 01:28:00 +0000
Local clock offset: -5.053 ms
Remote clock offset: -0.293 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:06:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 33.705 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 13.19 Mbit/s
95th percentile per-packet one-way delay: 33.705 ms
Loss rate: 1.55%
```

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

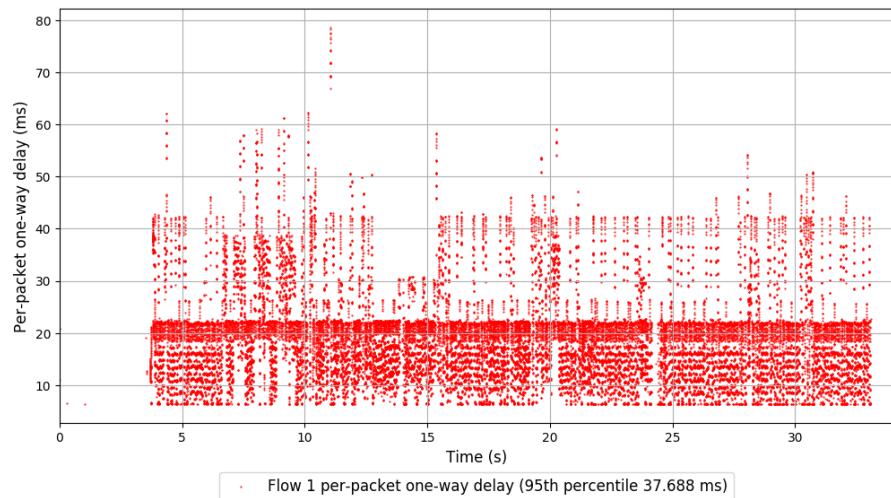
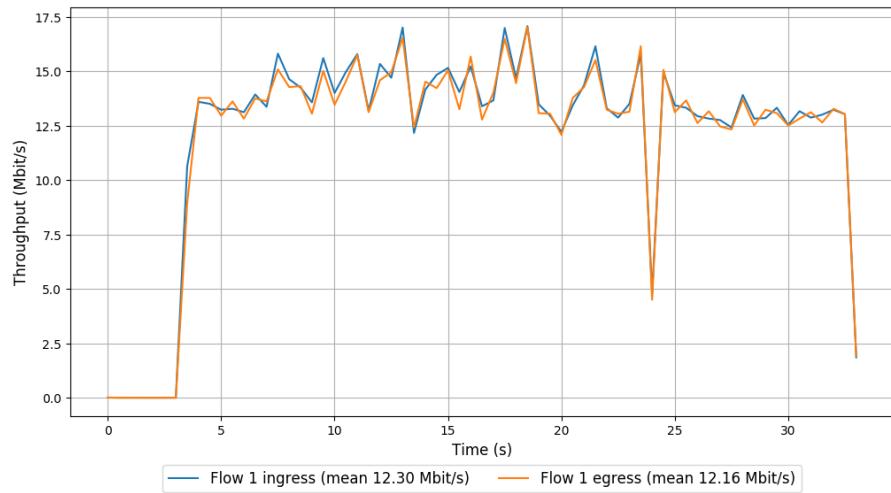


Run 3: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 27 Jun 2017 01:46:12 +0000
End at: Tue, 27 Jun 2017 01:46:42 +0000
Local clock offset: -4.689 ms
Remote clock offset: -0.254 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:06:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.16 Mbit/s
95th percentile per-packet one-way delay: 37.688 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 12.16 Mbit/s
95th percentile per-packet one-way delay: 37.688 ms
Loss rate: 1.11%
```

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

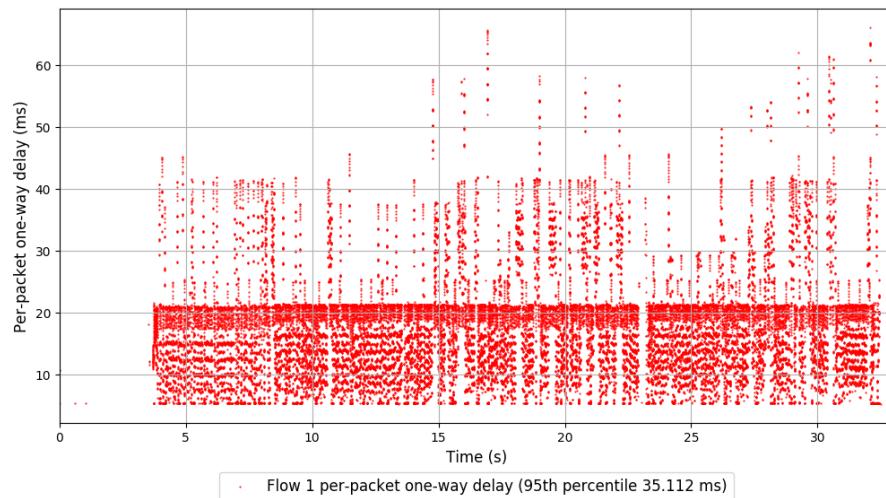
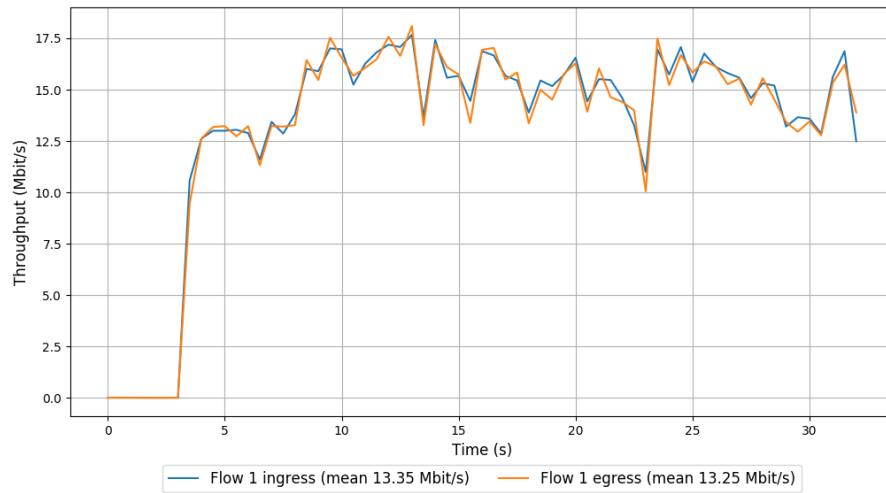


Run 4: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 27 Jun 2017 02:04:37 +0000
End at: Tue, 27 Jun 2017 02:05:07 +0000
Local clock offset: -3.535 ms
Remote clock offset: -0.193 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:06:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 35.112 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: 35.112 ms
Loss rate: 0.73%
```

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

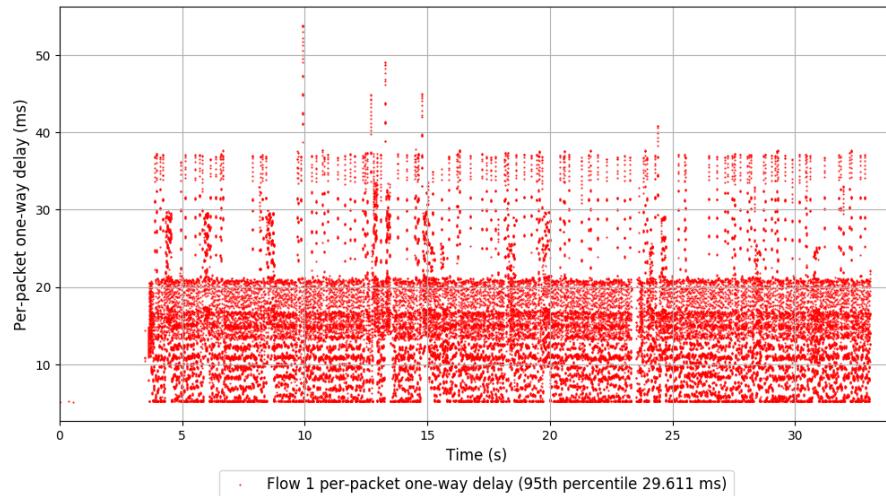
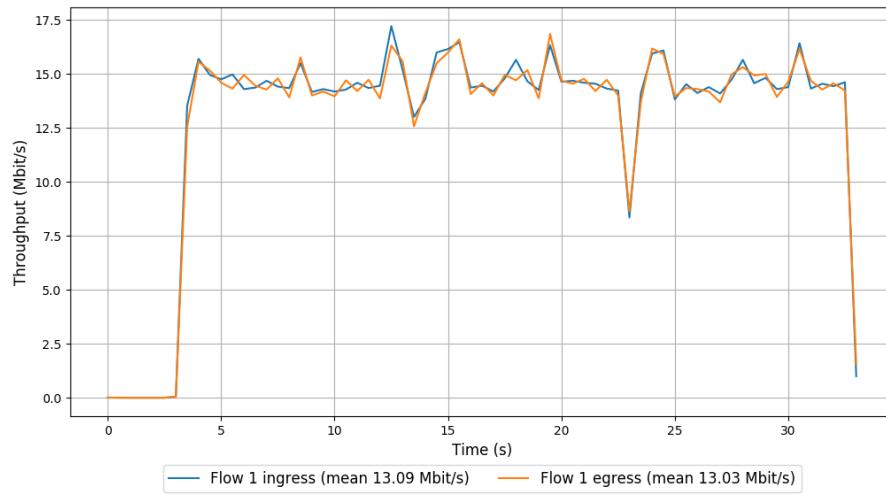


Run 5: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 27 Jun 2017 02:23:10 +0000
End at: Tue, 27 Jun 2017 02:23:40 +0000
Local clock offset: -3.16 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:06:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 29.611 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 13.03 Mbit/s
95th percentile per-packet one-way delay: 29.611 ms
Loss rate: 0.42%
```

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

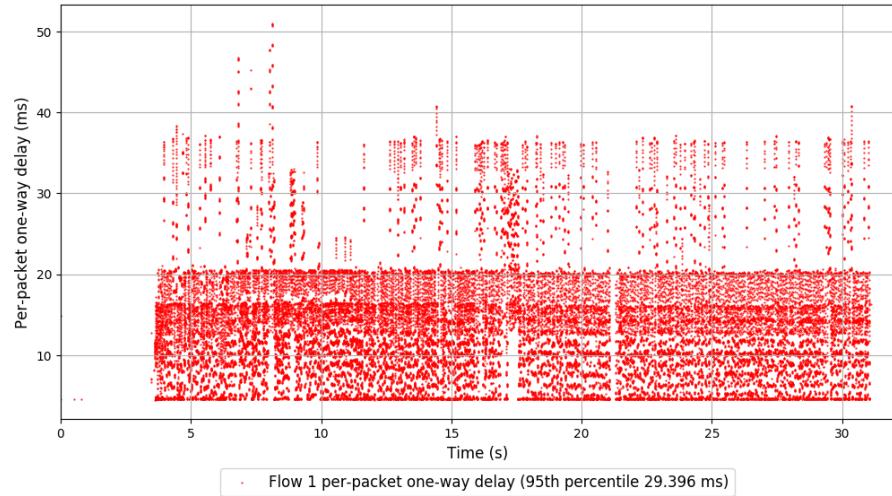
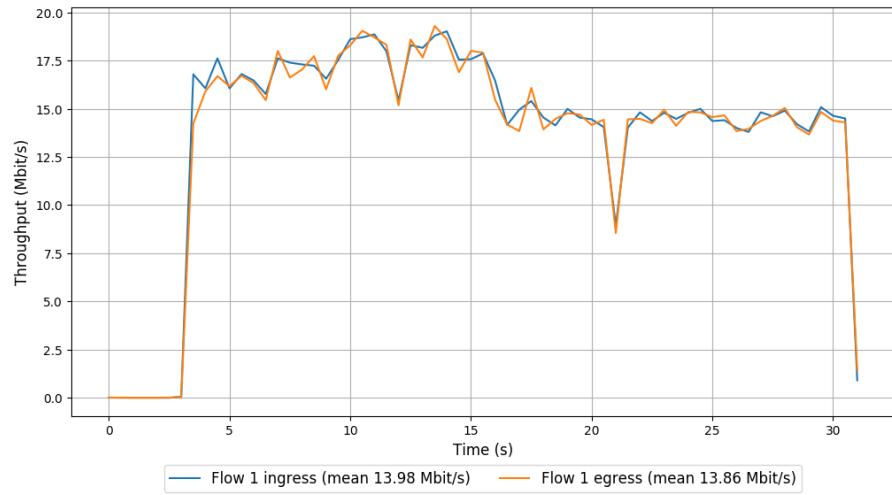


Run 6: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 27 Jun 2017 02:41:03 +0000
End at: Tue, 27 Jun 2017 02:41:33 +0000
Local clock offset: -2.247 ms
Remote clock offset: 0.25 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:07:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.86 Mbit/s
95th percentile per-packet one-way delay: 29.396 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 13.86 Mbit/s
95th percentile per-packet one-way delay: 29.396 ms
Loss rate: 0.88%
```

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

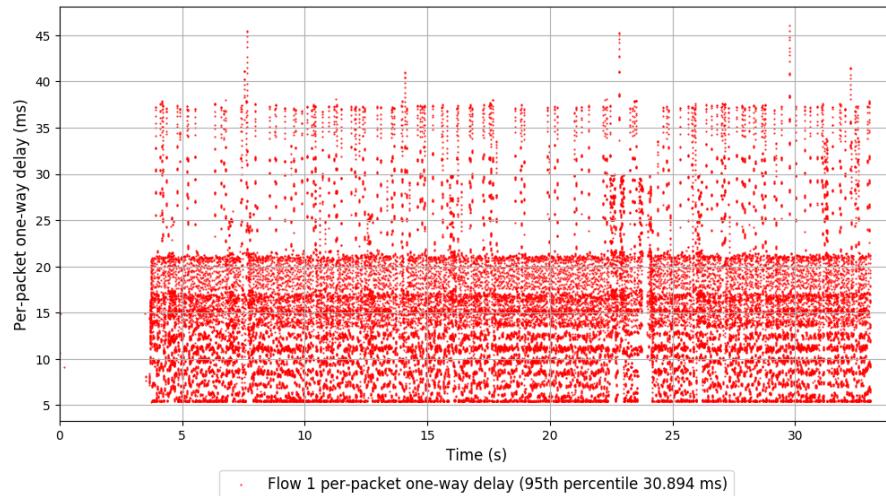
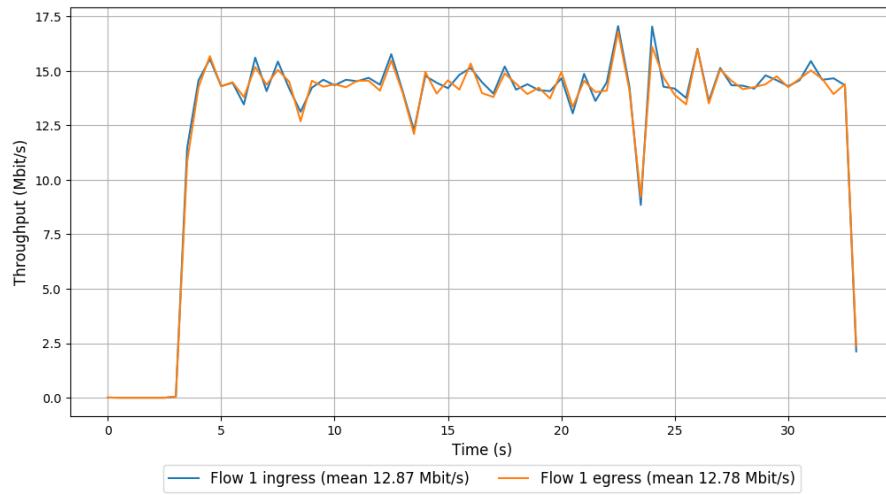


Run 7: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 27 Jun 2017 02:59:28 +0000
End at: Tue, 27 Jun 2017 02:59:58 +0000
Local clock offset: -2.973 ms
Remote clock offset: 0.369 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:07:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 30.894 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 30.894 ms
Loss rate: 0.72%
```

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

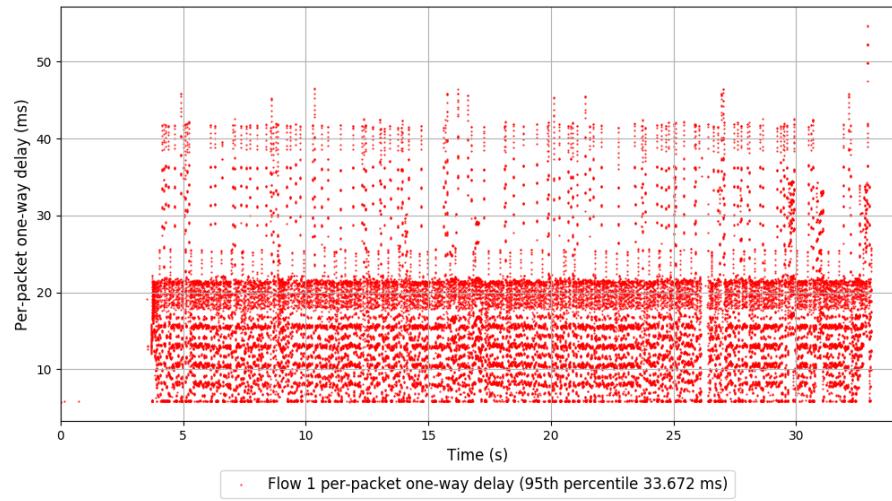
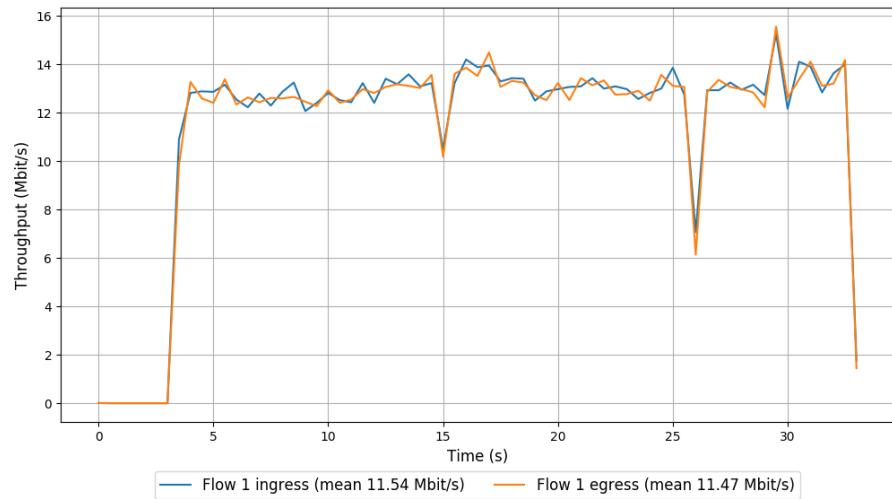


Run 8: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 27 Jun 2017 03:18:03 +0000
End at: Tue, 27 Jun 2017 03:18:33 +0000
Local clock offset: -3.439 ms
Remote clock offset: 0.422 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:07:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.47 Mbit/s
95th percentile per-packet one-way delay: 33.672 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 11.47 Mbit/s
95th percentile per-packet one-way delay: 33.672 ms
Loss rate: 0.59%
```

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

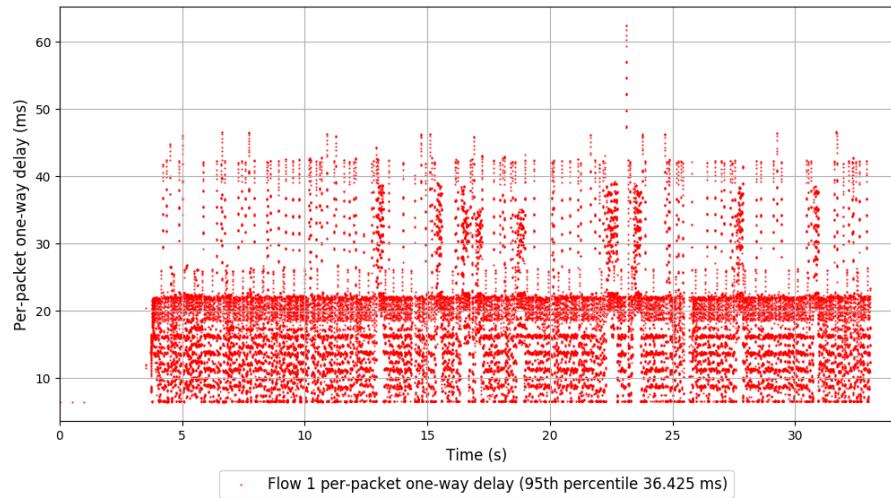
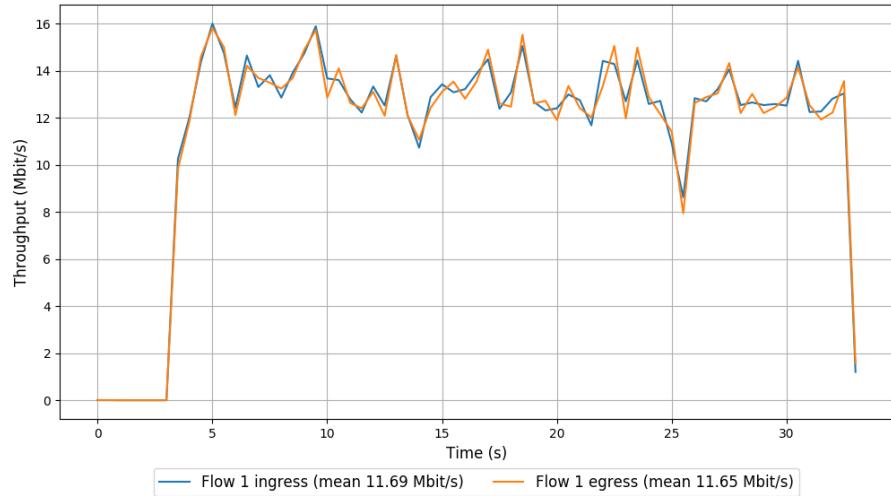


Run 9: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 27 Jun 2017 03:36:20 +0000
End at: Tue, 27 Jun 2017 03:36:50 +0000
Local clock offset: -3.888 ms
Remote clock offset: 0.469 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:07:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 36.425 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 36.425 ms
Loss rate: 0.36%
```

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



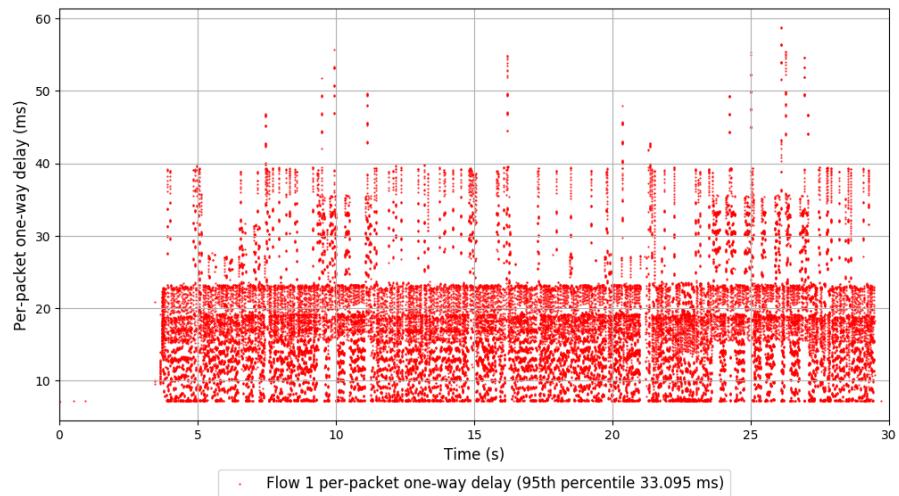
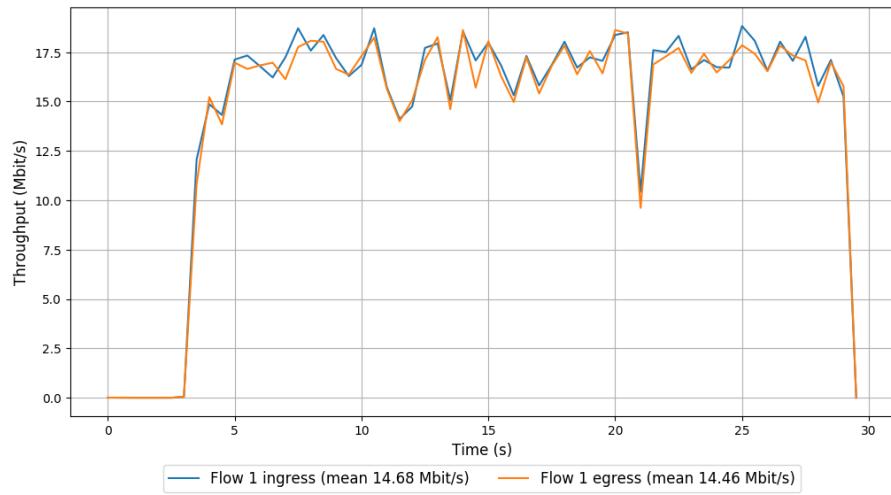
```
Run 10: Statistics of QUIC Cubic (toy)
```

```
Start at: Tue, 27 Jun 2017 03:54:53 +0000  
End at: Tue, 27 Jun 2017 03:55:23 +0000
```

```
Local clock offset: -4.615 ms  
Remote clock offset: 0.486 ms
```

```
# Below is generated by plot.py at Tue, 27 Jun 2017 07:07:28 +0000  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.46 Mbit/s  
95th percentile per-packet one-way delay: 33.095 ms  
Loss rate: 1.50%  
-- Flow 1:  
Average throughput: 14.46 Mbit/s  
95th percentile per-packet one-way delay: 33.095 ms  
Loss rate: 1.50%
```

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

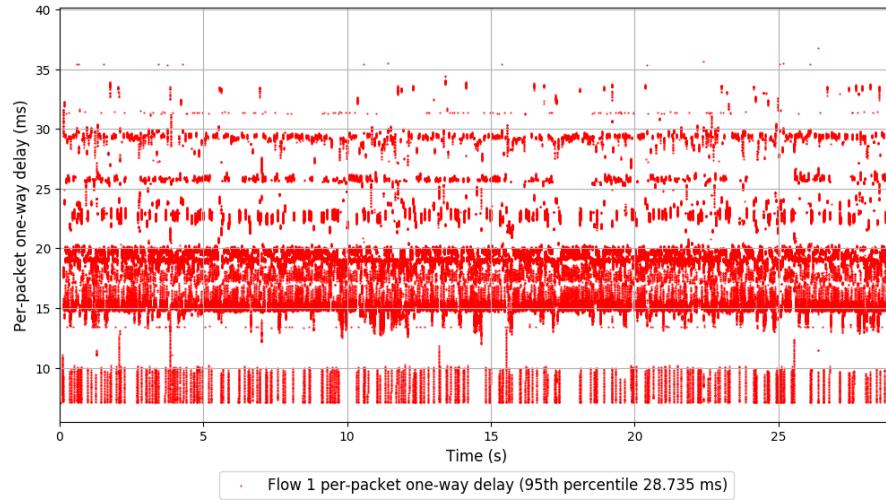
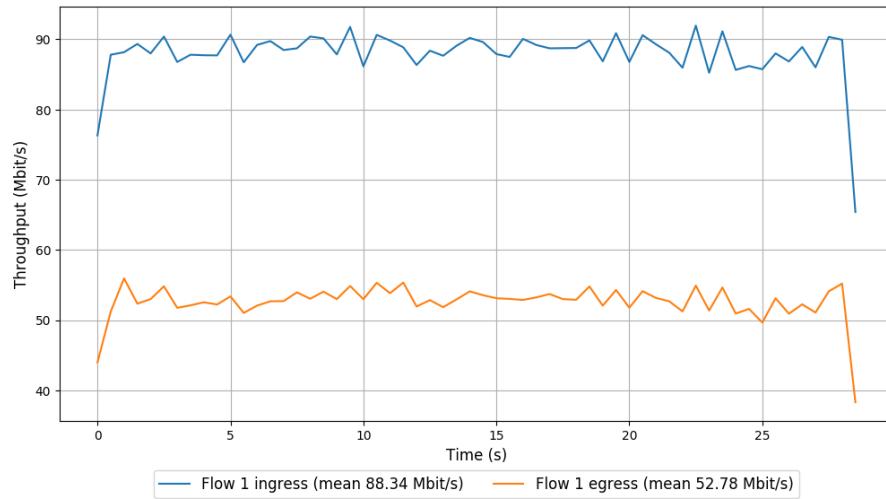


Run 1: Statistics of Saturator

```
Start at: Tue, 27 Jun 2017 01:18:38 +0000
End at: Tue, 27 Jun 2017 01:19:08 +0000
Local clock offset: -5.324 ms
Remote clock offset: -0.307 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:07:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.78 Mbit/s
95th percentile per-packet one-way delay: 28.735 ms
Loss rate: 40.21%
-- Flow 1:
Average throughput: 52.78 Mbit/s
95th percentile per-packet one-way delay: 28.735 ms
Loss rate: 40.21%
```

Run 1: Report of Saturator — Data Link

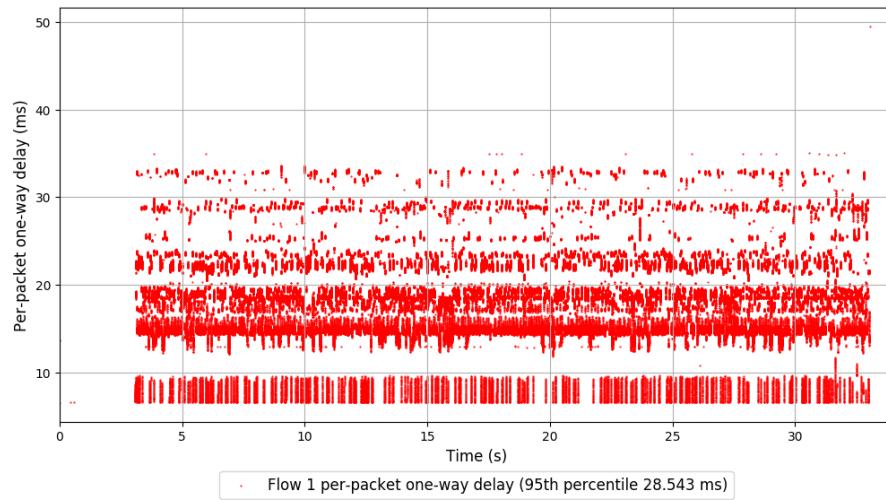
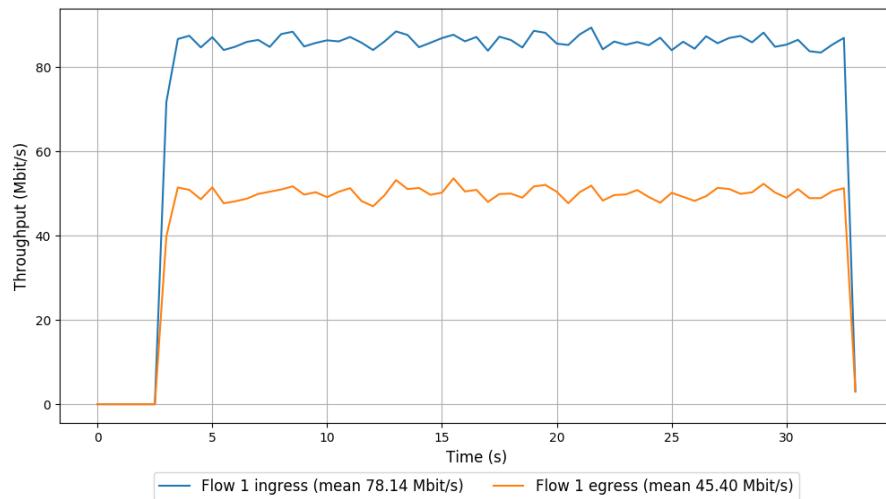


Run 2: Statistics of Saturator

```
Start at: Tue, 27 Jun 2017 01:37:10 +0000
End at: Tue, 27 Jun 2017 01:37:40 +0000
Local clock offset: -4.925 ms
Remote clock offset: -0.282 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:07:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.40 Mbit/s
95th percentile per-packet one-way delay: 28.543 ms
Loss rate: 41.87%
-- Flow 1:
Average throughput: 45.40 Mbit/s
95th percentile per-packet one-way delay: 28.543 ms
Loss rate: 41.87%
```

Run 2: Report of Saturator — Data Link

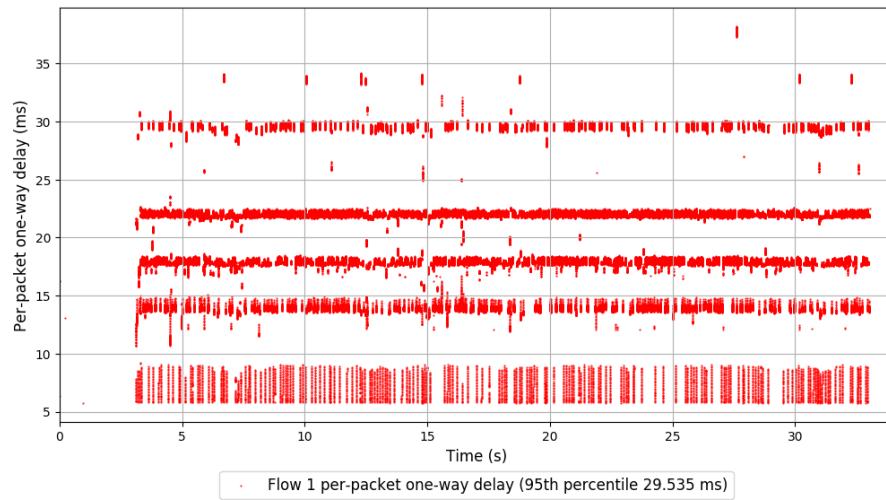
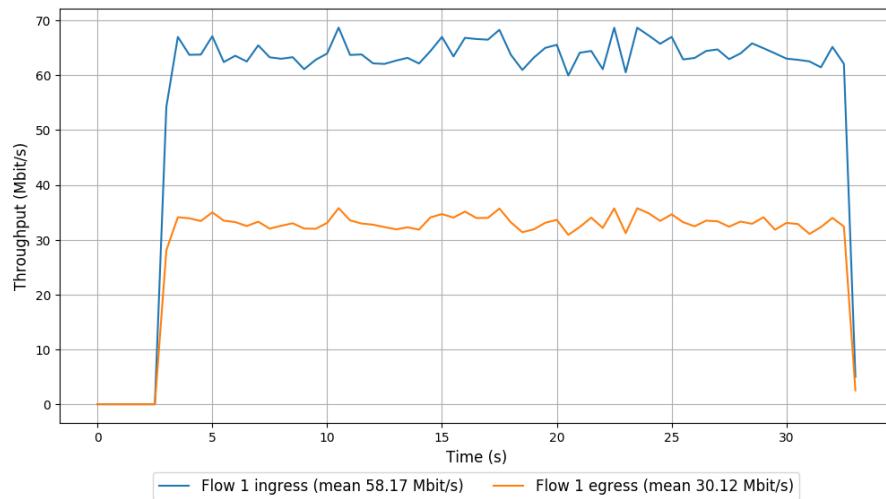


Run 3: Statistics of Saturator

```
Start at: Tue, 27 Jun 2017 01:55:58 +0000
End at: Tue, 27 Jun 2017 01:56:28 +0000
Local clock offset: -3.927 ms
Remote clock offset: -0.23 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:08:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 29.535 ms
Loss rate: 48.23%
-- Flow 1:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 29.535 ms
Loss rate: 48.23%
```

Run 3: Report of Saturator — Data Link

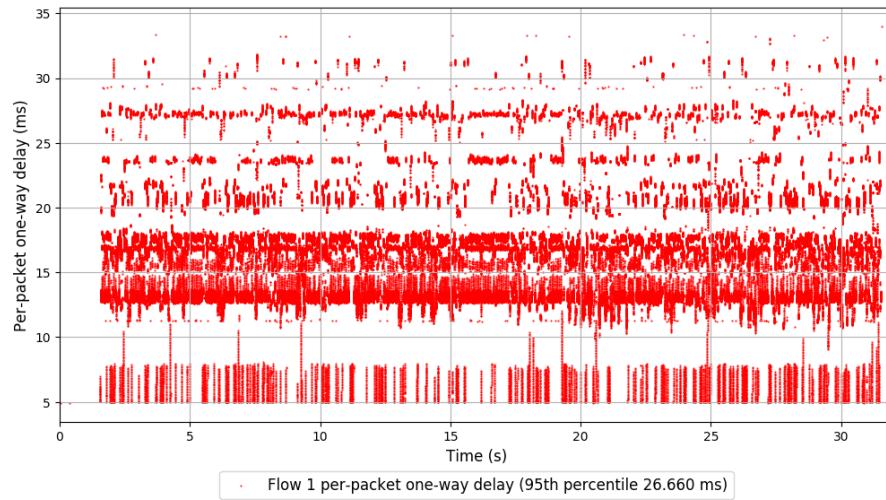
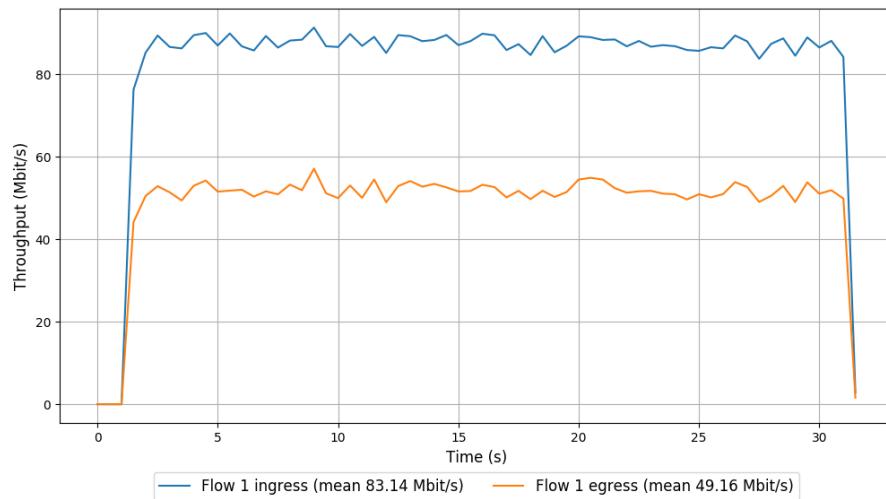


Run 4: Statistics of Saturator

```
Start at: Tue, 27 Jun 2017 02:14:23 +0000
End at: Tue, 27 Jun 2017 02:14:53 +0000
Local clock offset: -3.025 ms
Remote clock offset: -0.163 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:08:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 26.660 ms
Loss rate: 40.82%
-- Flow 1:
Average throughput: 49.16 Mbit/s
95th percentile per-packet one-way delay: 26.660 ms
Loss rate: 40.82%
```

Run 4: Report of Saturator — Data Link

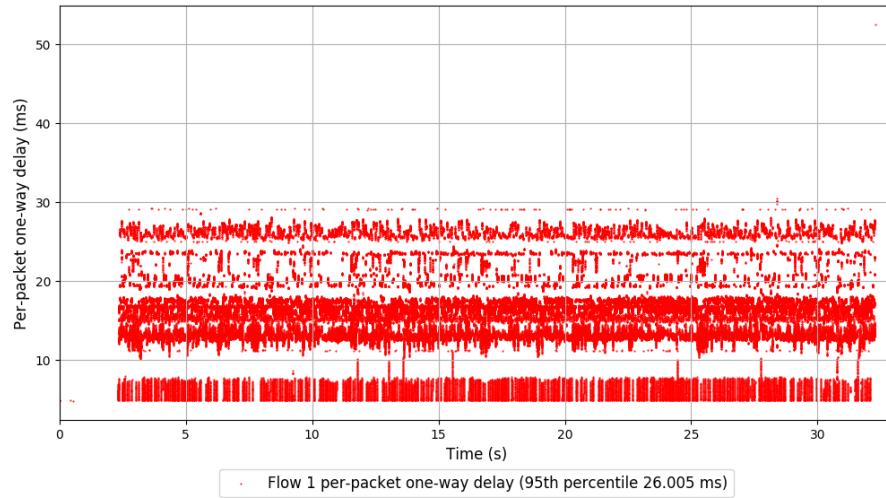
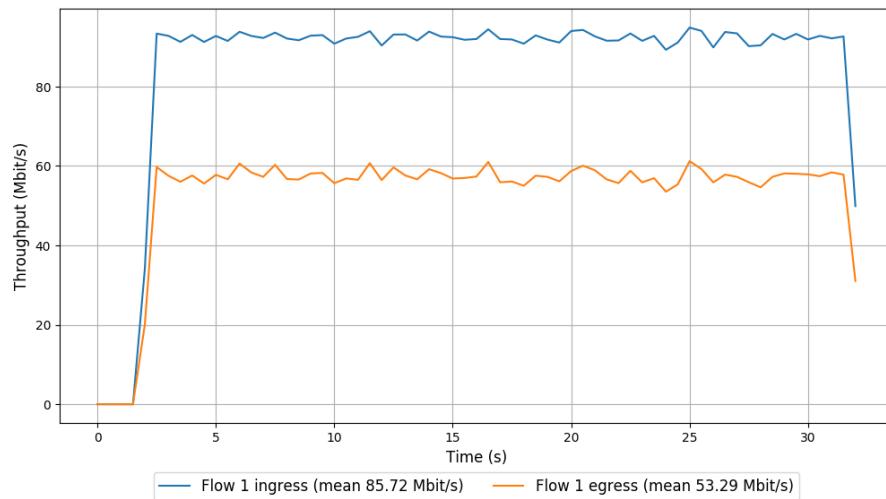


Run 5: Statistics of Saturator

```
Start at: Tue, 27 Jun 2017 02:32:34 +0000
End at: Tue, 27 Jun 2017 02:33:04 +0000
Local clock offset: -2.609 ms
Remote clock offset: 0.125 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:08:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 26.005 ms
Loss rate: 37.77%
-- Flow 1:
Average throughput: 53.29 Mbit/s
95th percentile per-packet one-way delay: 26.005 ms
Loss rate: 37.77%
```

Run 5: Report of Saturator — Data Link

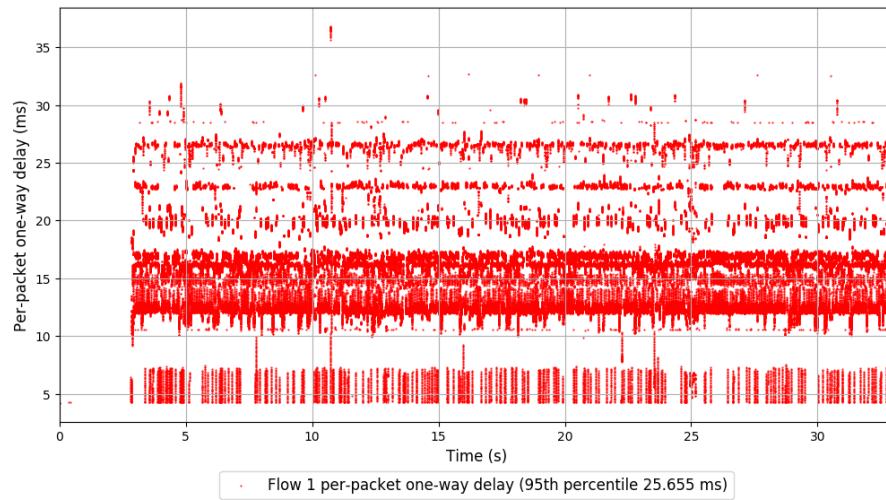
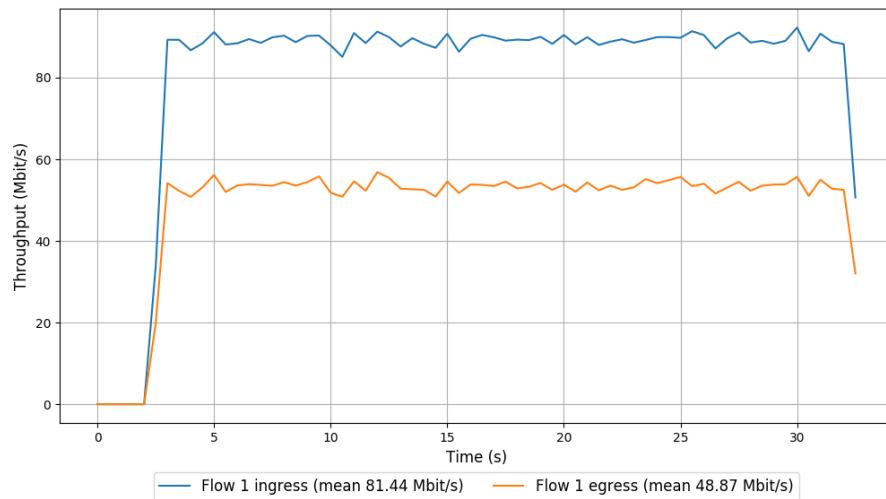


Run 6: Statistics of Saturator

```
Start at: Tue, 27 Jun 2017 02:50:52 +0000
End at: Tue, 27 Jun 2017 02:51:22 +0000
Local clock offset: -1.865 ms
Remote clock offset: 0.327 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:09:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.87 Mbit/s
95th percentile per-packet one-way delay: 25.655 ms
Loss rate: 40.00%
-- Flow 1:
Average throughput: 48.87 Mbit/s
95th percentile per-packet one-way delay: 25.655 ms
Loss rate: 40.00%
```

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Tue, 27 Jun 2017 03:09:18 +0000

End at: Tue, 27 Jun 2017 03:09:48 +0000

Local clock offset: -3.148 ms

Remote clock offset: 0.366 ms

Below is generated by plot.py at Tue, 27 Jun 2017 07:09:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.75 Mbit/s

95th percentile per-packet one-way delay: 26.710 ms

Loss rate: 40.53%

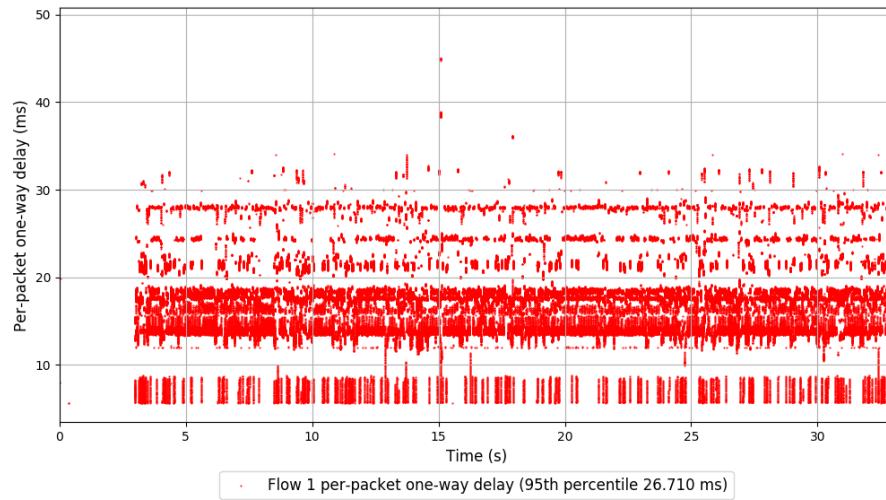
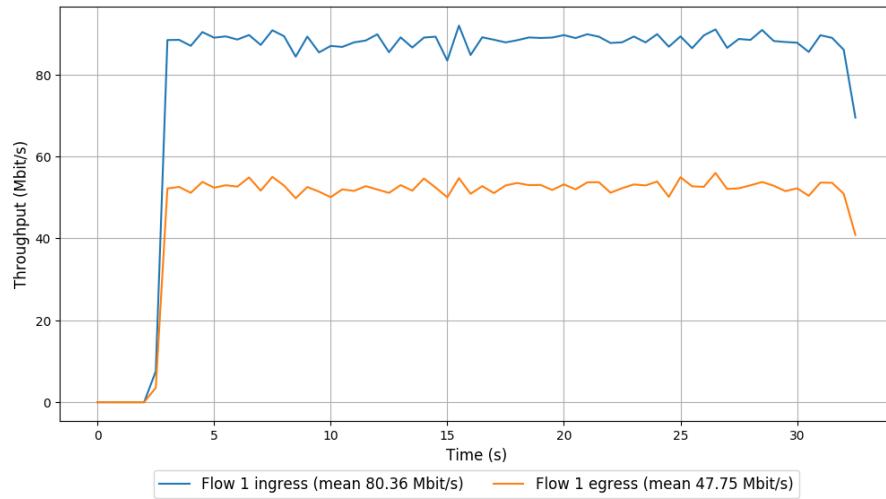
-- Flow 1:

Average throughput: 47.75 Mbit/s

95th percentile per-packet one-way delay: 26.710 ms

Loss rate: 40.53%

Run 7: Report of Saturator — Data Link

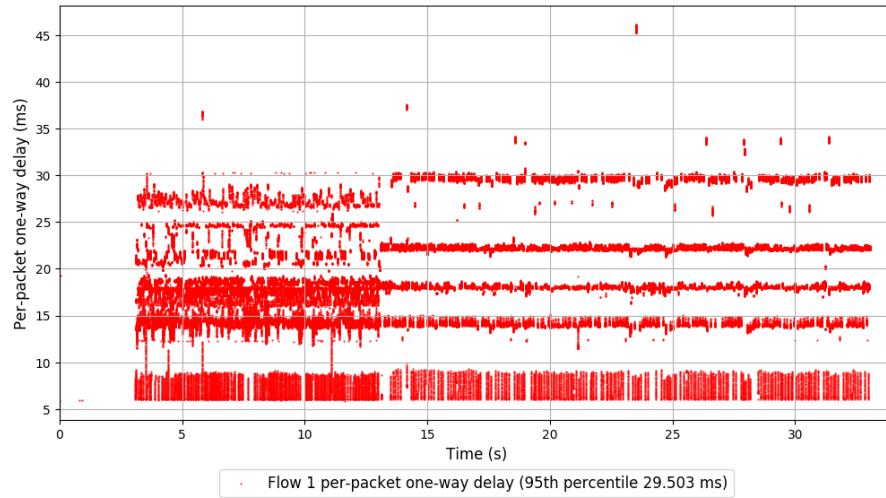
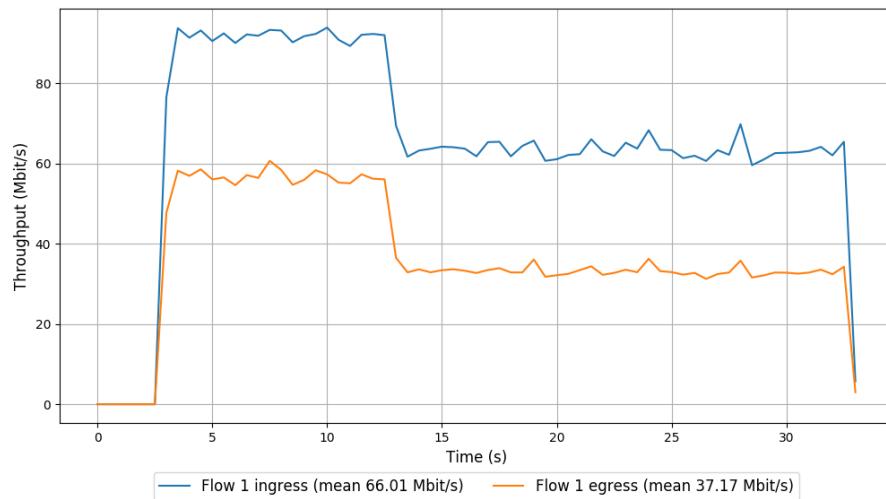


Run 8: Statistics of Saturator

```
Start at: Tue, 27 Jun 2017 03:27:22 +0000
End at: Tue, 27 Jun 2017 03:27:52 +0000
Local clock offset: -3.505 ms
Remote clock offset: 0.39 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:09:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 29.503 ms
Loss rate: 43.70%
-- Flow 1:
Average throughput: 37.17 Mbit/s
95th percentile per-packet one-way delay: 29.503 ms
Loss rate: 43.70%
```

Run 8: Report of Saturator — Data Link

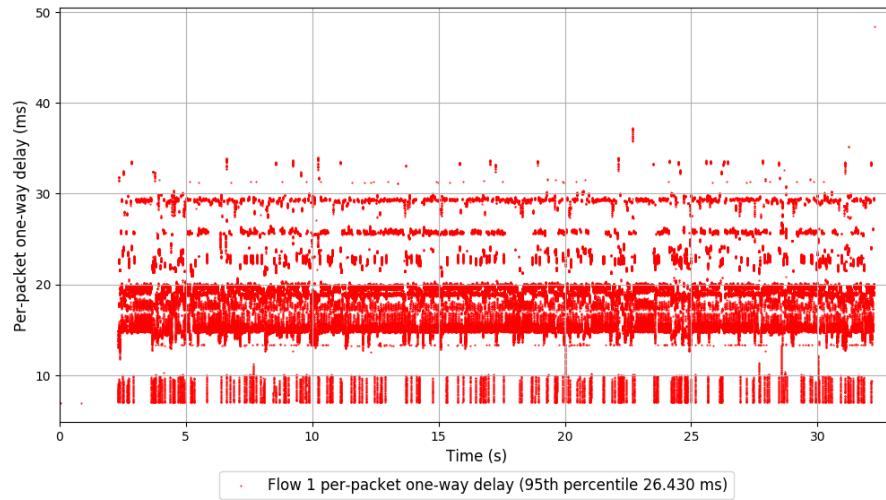
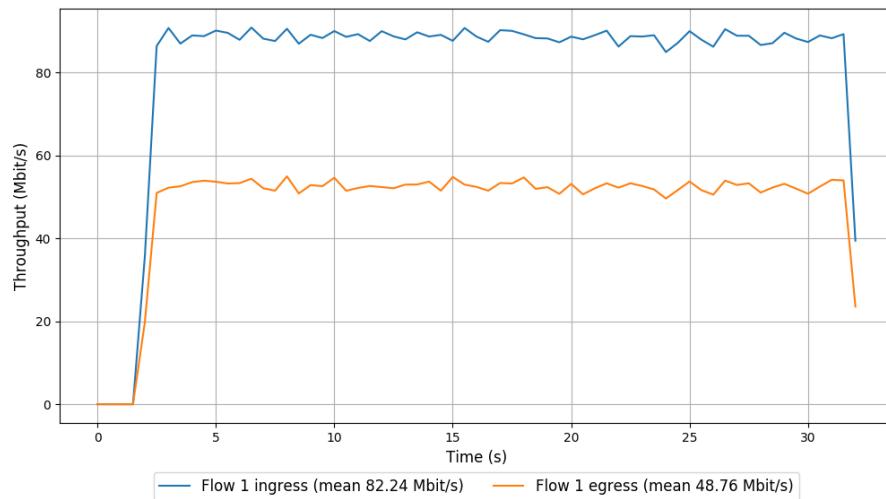


Run 9: Statistics of Saturator

```
Start at: Tue, 27 Jun 2017 03:45:55 +0000
End at: Tue, 27 Jun 2017 03:46:25 +0000
Local clock offset: -4.348 ms
Remote clock offset: 0.5 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:09:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 26.430 ms
Loss rate: 40.65%
-- Flow 1:
Average throughput: 48.76 Mbit/s
95th percentile per-packet one-way delay: 26.430 ms
Loss rate: 40.65%
```

Run 9: Report of Saturator — Data Link

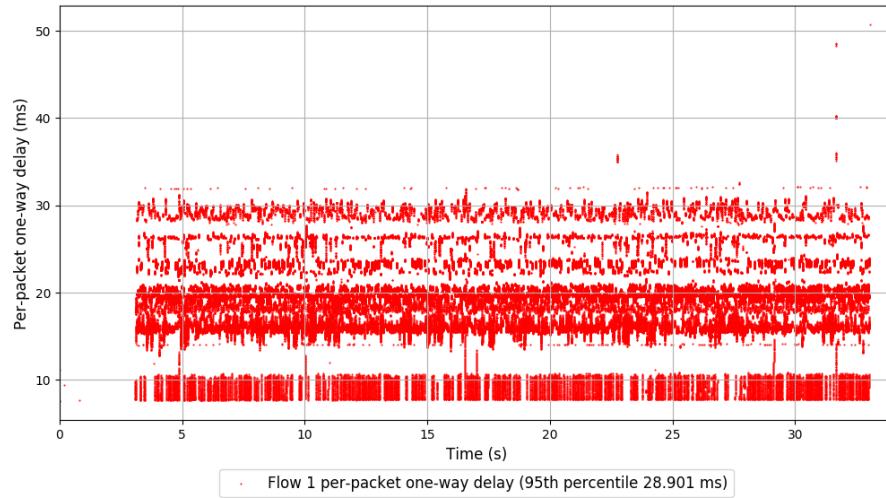
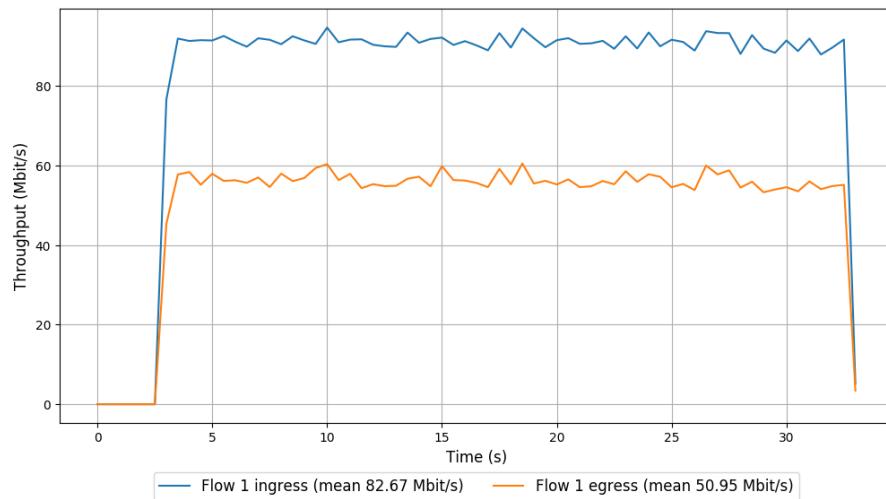


Run 10: Statistics of Saturator

```
Start at: Tue, 27 Jun 2017 04:04:39 +0000
End at: Tue, 27 Jun 2017 04:05:09 +0000
Local clock offset: -4.988 ms
Remote clock offset: 0.422 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 28.901 ms
Loss rate: 38.32%
-- Flow 1:
Average throughput: 50.95 Mbit/s
95th percentile per-packet one-way delay: 28.901 ms
Loss rate: 38.32%
```

Run 10: Report of Saturator — Data Link

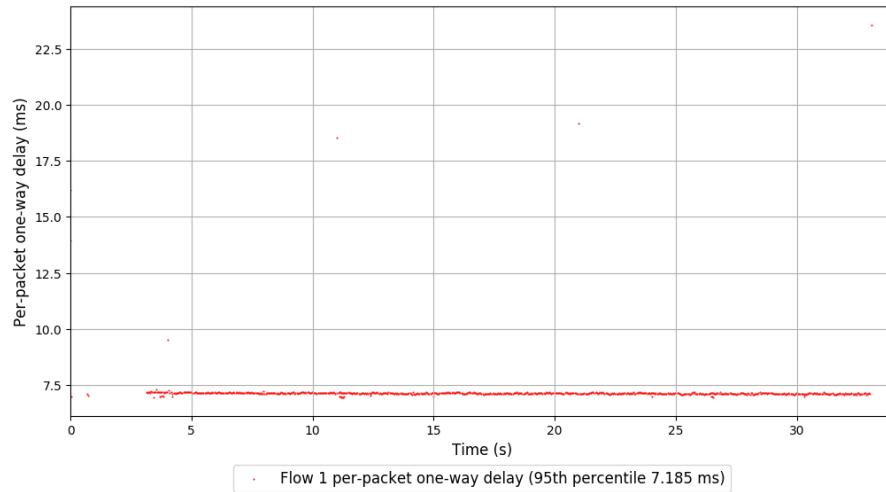
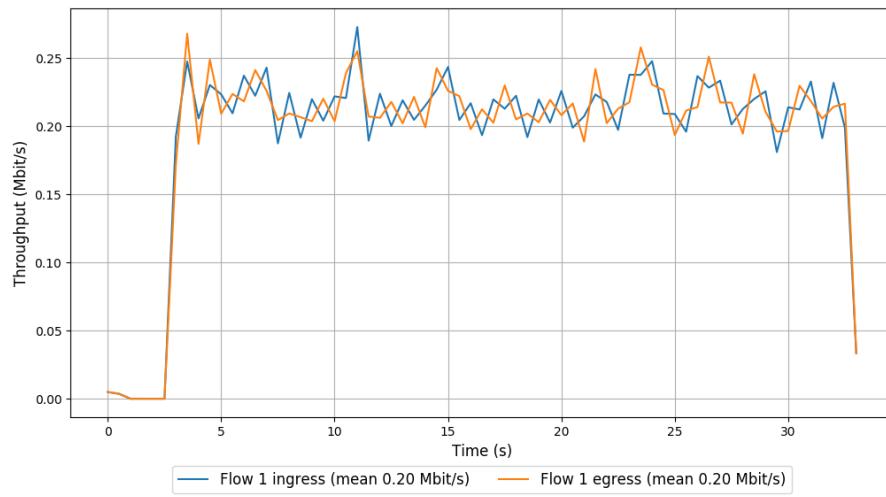


Run 1: Statistics of SCReAM

```
Start at: Tue, 27 Jun 2017 01:20:03 +0000
End at: Tue, 27 Jun 2017 01:20:33 +0000
Local clock offset: -5.279 ms
Remote clock offset: -0.363 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 7.185 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 7.185 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

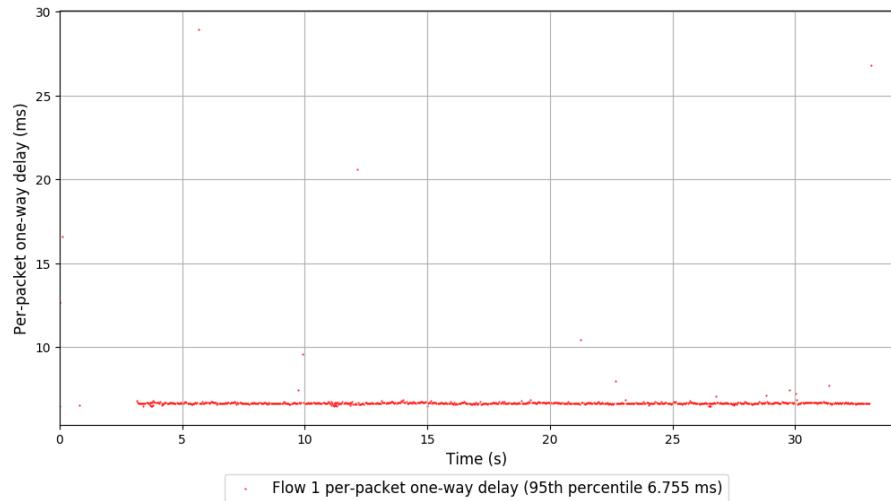
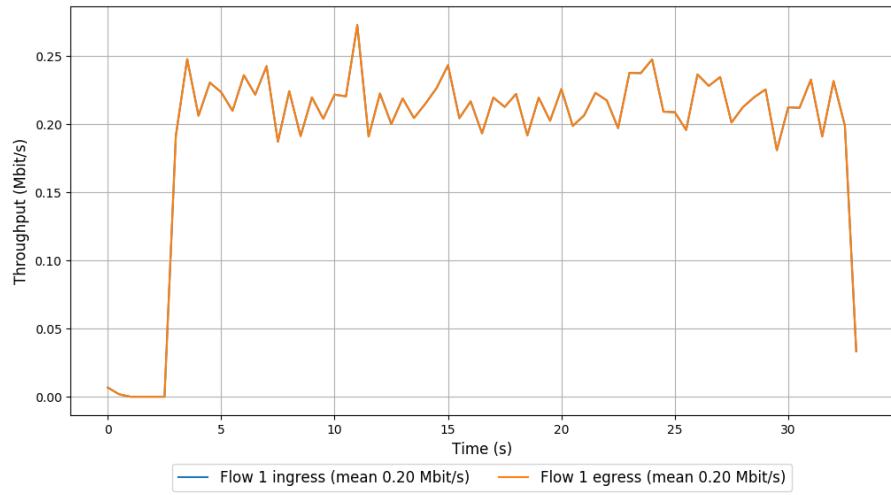


Run 2: Statistics of SCReAM

```
Start at: Tue, 27 Jun 2017 01:38:35 +0000
End at: Tue, 27 Jun 2017 01:39:05 +0000
Local clock offset: -4.808 ms
Remote clock offset: -0.285 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 6.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 6.755 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

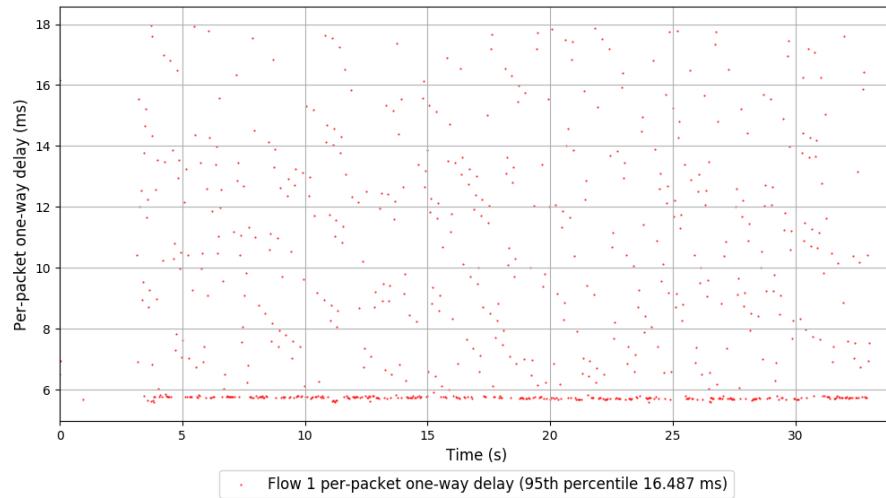
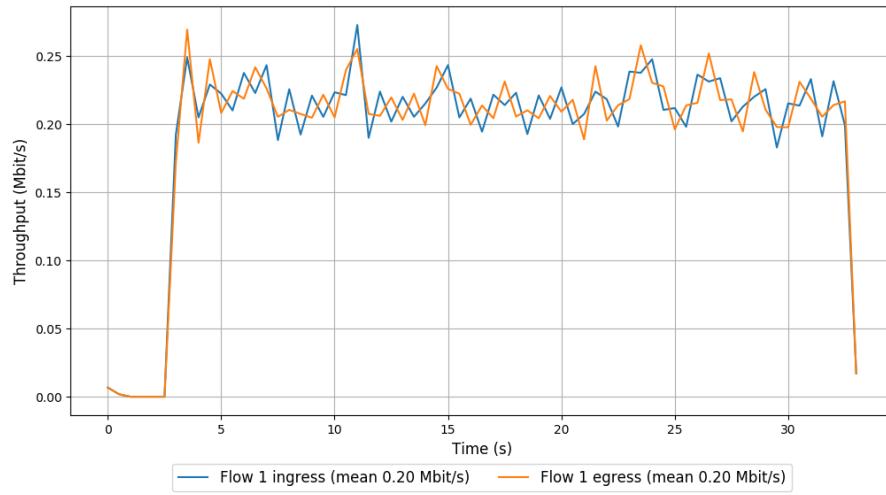


Run 3: Statistics of SCReAM

```
Start at: Tue, 27 Jun 2017 01:57:15 +0000
End at: Tue, 27 Jun 2017 01:57:45 +0000
Local clock offset: -3.849 ms
Remote clock offset: -0.22 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 16.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 16.487 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

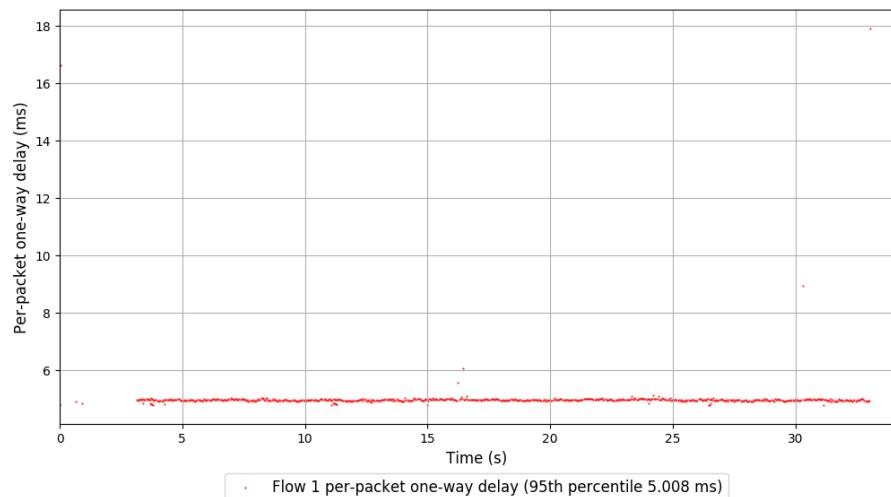
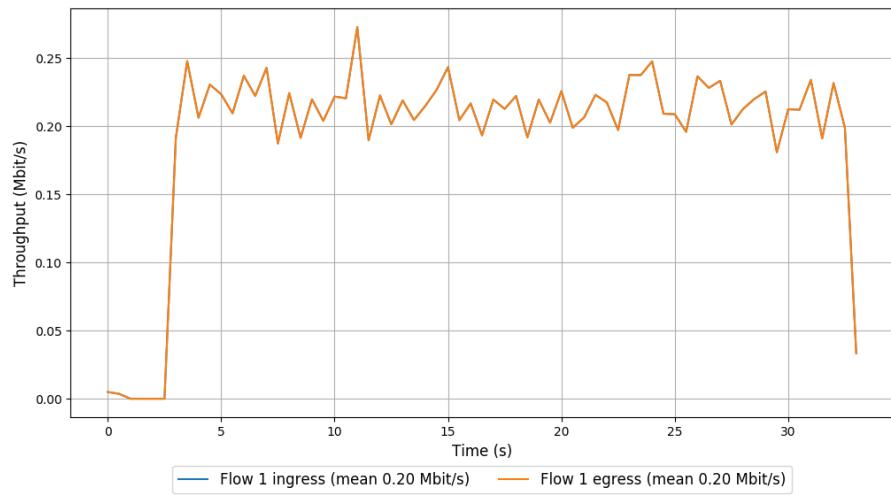


Run 4: Statistics of SCReAM

```
Start at: Tue, 27 Jun 2017 02:15:48 +0000
End at: Tue, 27 Jun 2017 02:16:18 +0000
Local clock offset: -3.018 ms
Remote clock offset: -0.156 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 5.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 5.008 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

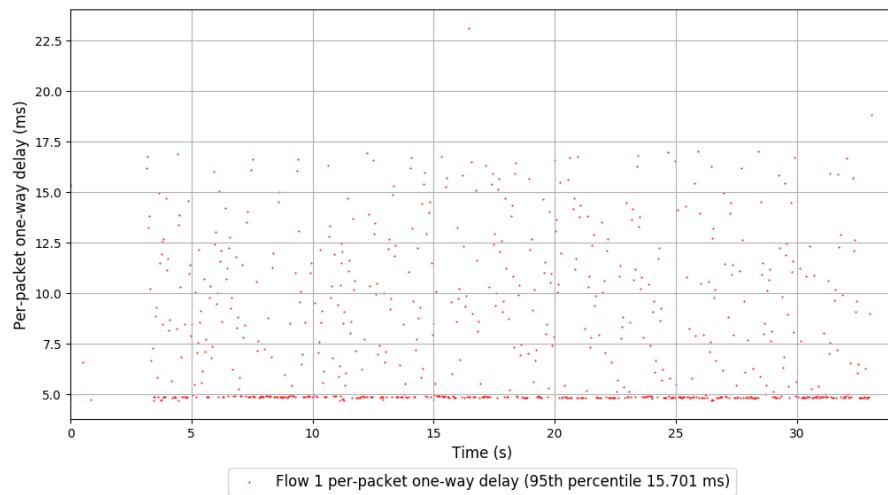
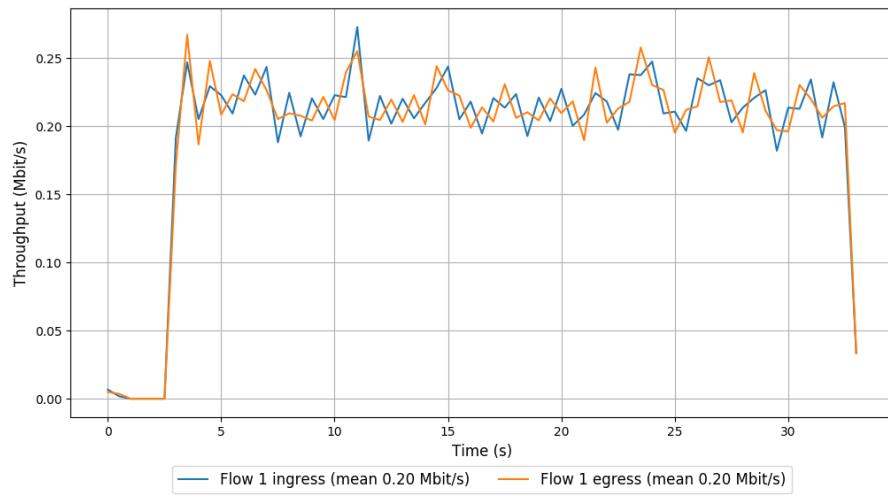


Run 5: Statistics of SCReAM

```
Start at: Tue, 27 Jun 2017 02:33:57 +0000
End at: Tue, 27 Jun 2017 02:34:27 +0000
Local clock offset: -2.627 ms
Remote clock offset: 0.053 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 15.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 15.701 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

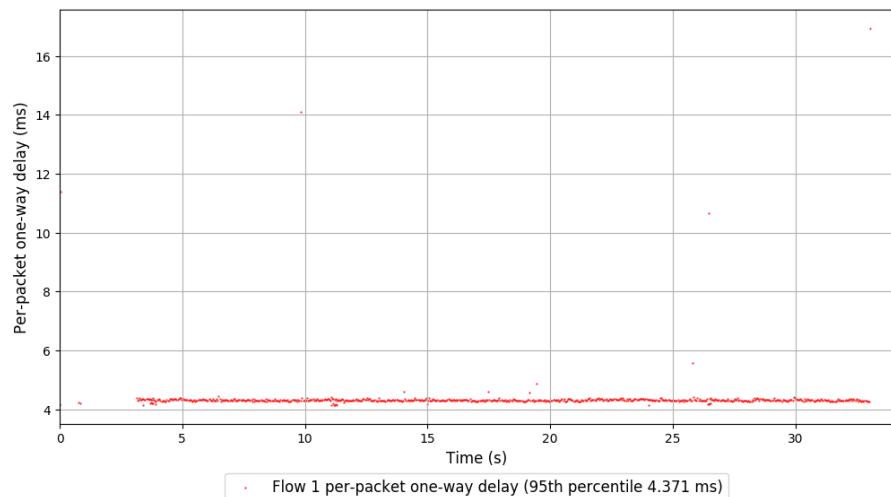
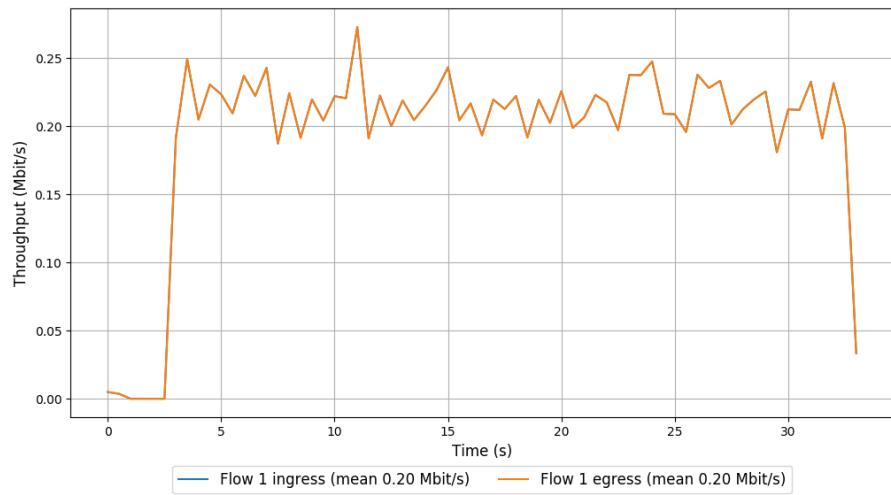


Run 6: Statistics of SCReAM

```
Start at: Tue, 27 Jun 2017 02:52:18 +0000
End at: Tue, 27 Jun 2017 02:52:48 +0000
Local clock offset: -1.88 ms
Remote clock offset: 0.353 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 4.371 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 4.371 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

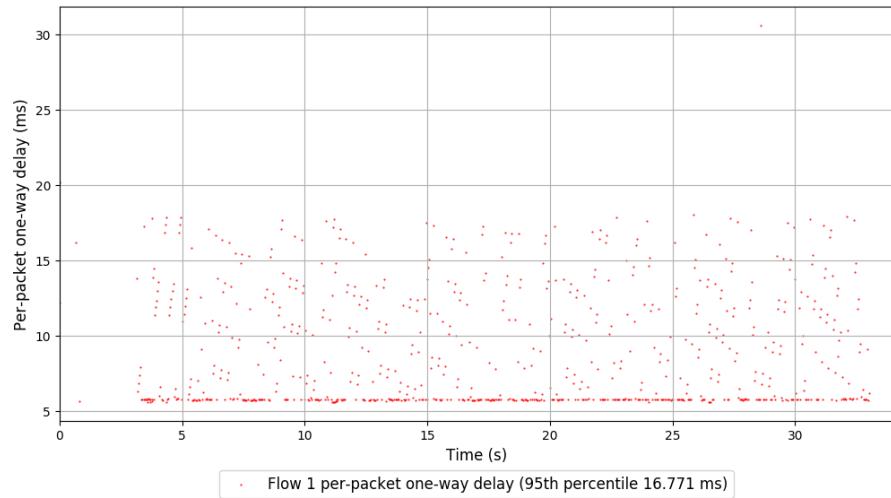
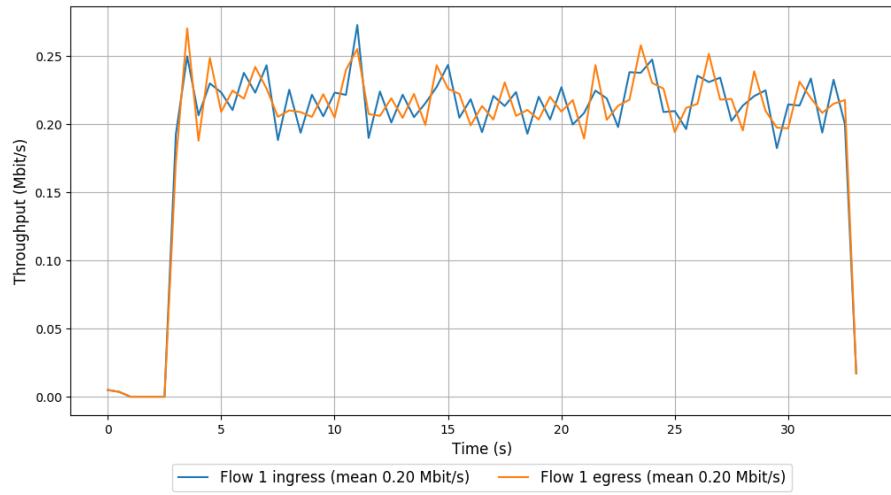


Run 7: Statistics of SCReAM

```
Start at: Tue, 27 Jun 2017 03:10:43 +0000
End at: Tue, 27 Jun 2017 03:11:13 +0000
Local clock offset: -3.198 ms
Remote clock offset: 0.411 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 16.771 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 16.771 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

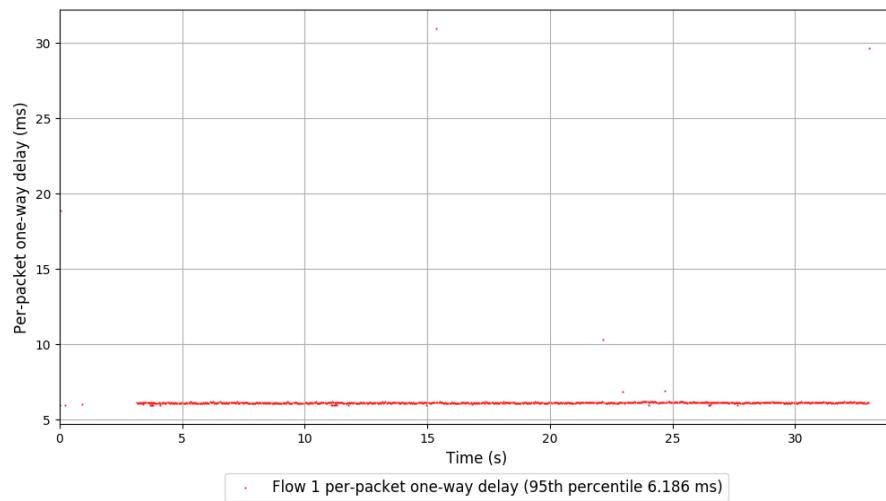
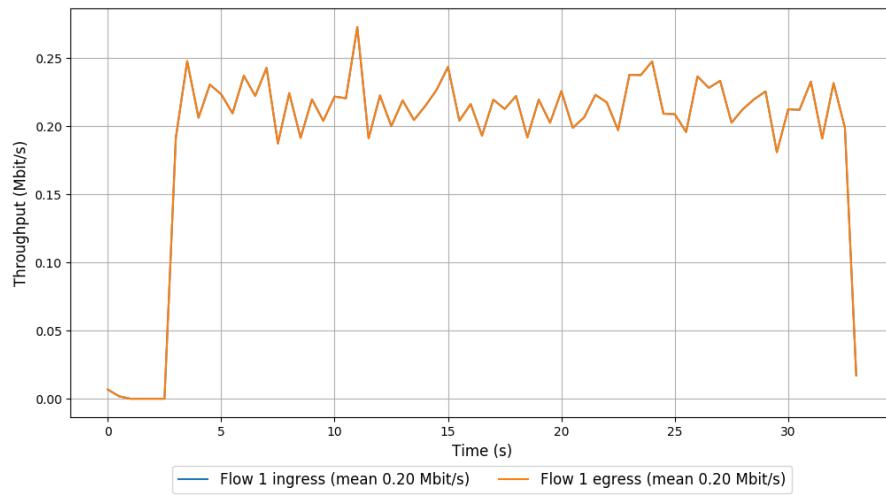


Run 8: Statistics of SCReAM

```
Start at: Tue, 27 Jun 2017 03:28:41 +0000
End at: Tue, 27 Jun 2017 03:29:11 +0000
Local clock offset: -3.588 ms
Remote clock offset: 0.386 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 6.186 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 6.186 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

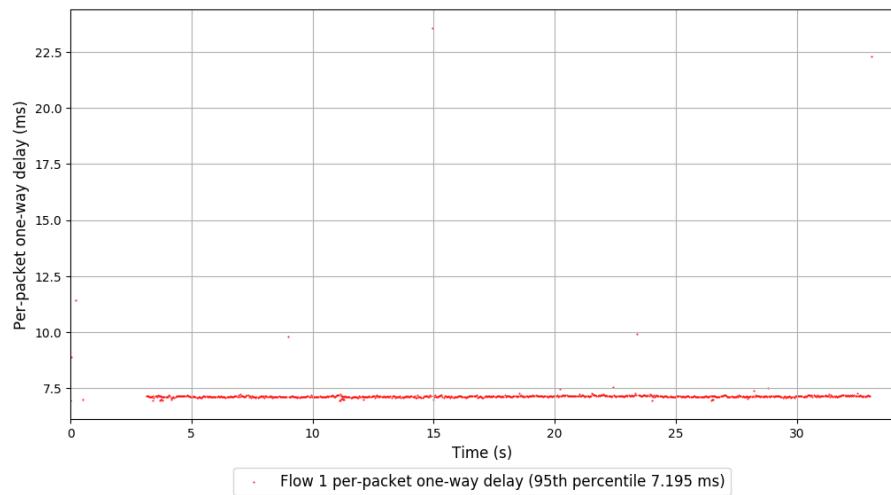
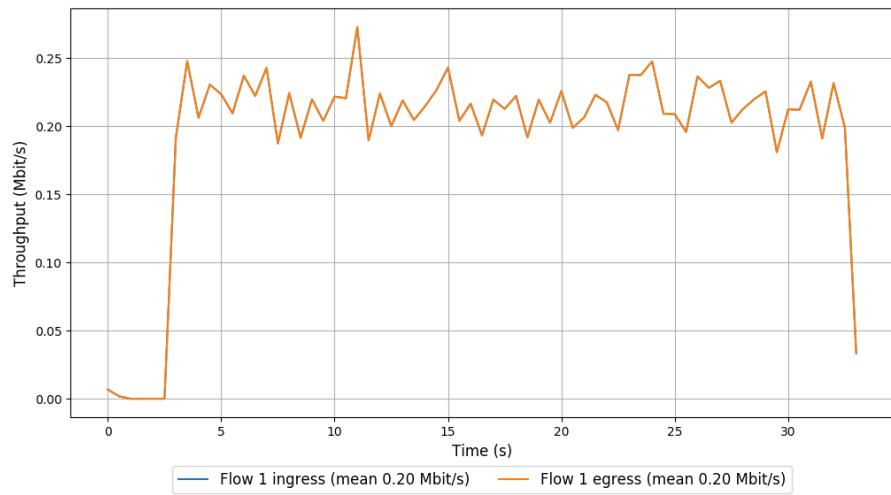


Run 9: Statistics of SCReAM

```
Start at: Tue, 27 Jun 2017 03:47:20 +0000
End at: Tue, 27 Jun 2017 03:47:50 +0000
Local clock offset: -4.4 ms
Remote clock offset: 0.531 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 7.195 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 7.195 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

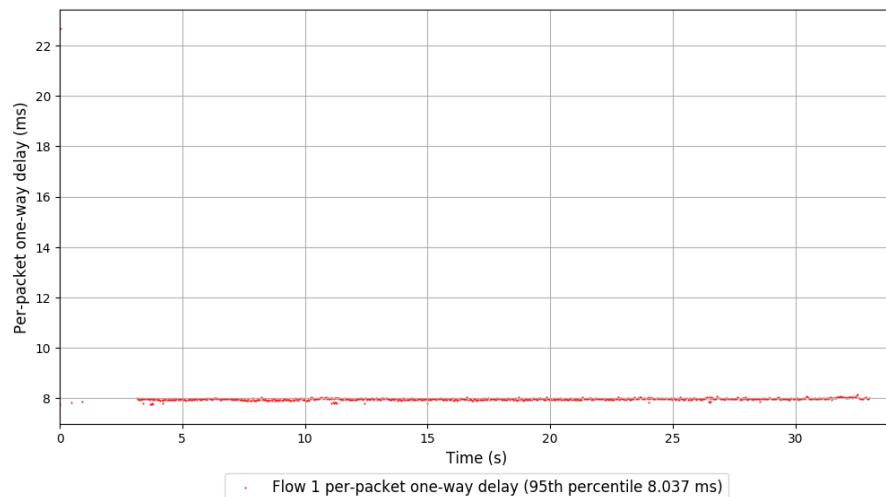
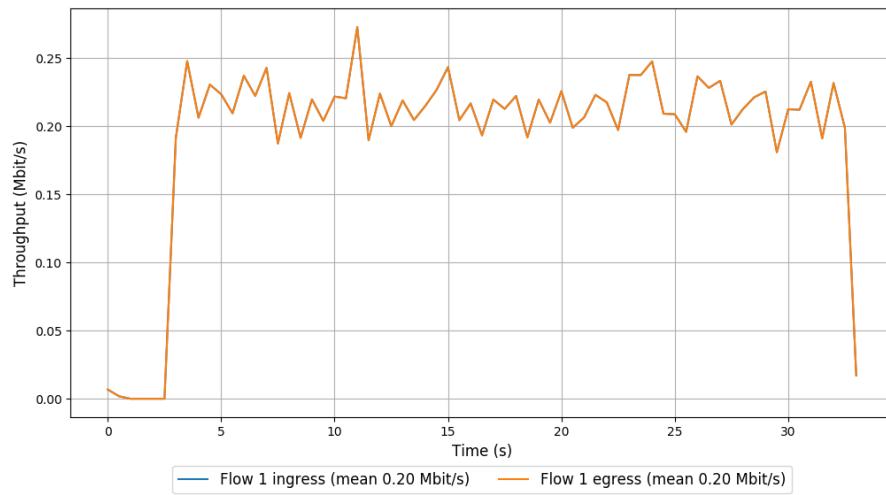


Run 10: Statistics of SCReAM

```
Start at: Tue, 27 Jun 2017 04:06:03 +0000
End at: Tue, 27 Jun 2017 04:06:33 +0000
Local clock offset: -5.252 ms
Remote clock offset: 0.487 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 8.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 8.037 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

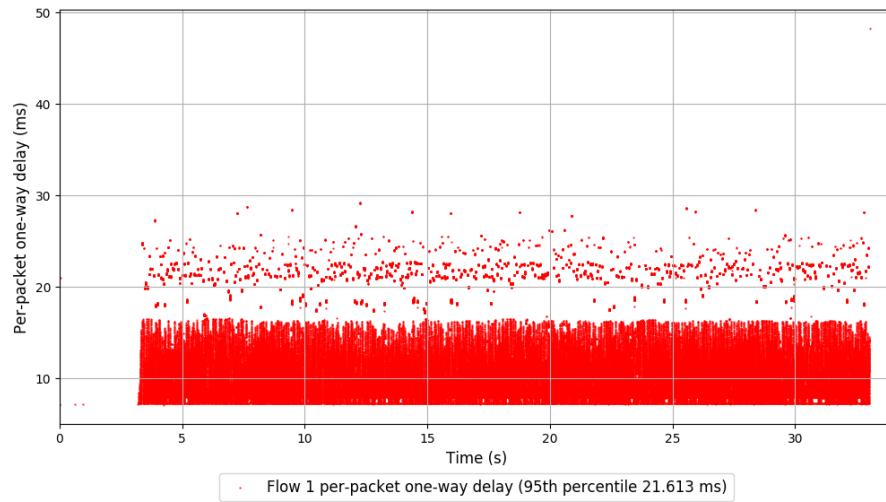
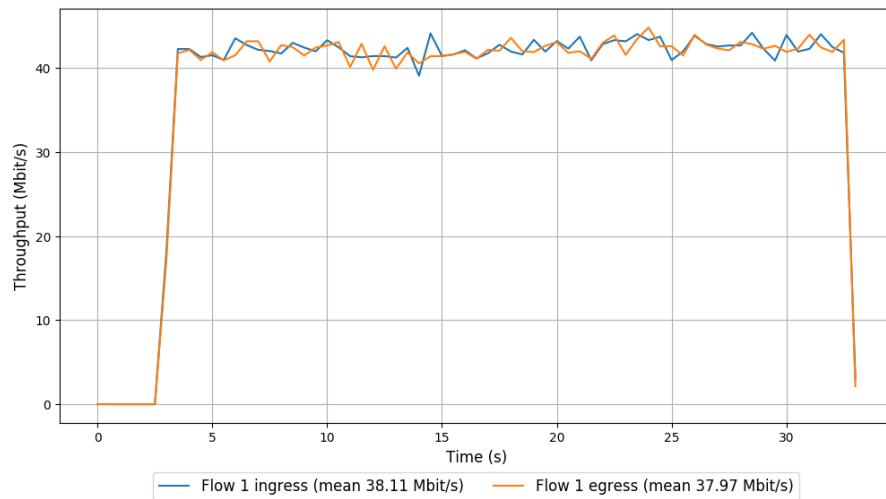


Run 1: Statistics of Sprout

```
Start at: Tue, 27 Jun 2017 01:17:27 +0000
End at: Tue, 27 Jun 2017 01:17:57 +0000
Local clock offset: -5.447 ms
Remote clock offset: -0.288 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 21.613 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 37.97 Mbit/s
95th percentile per-packet one-way delay: 21.613 ms
Loss rate: 0.38%
```

Run 1: Report of Sprout — Data Link

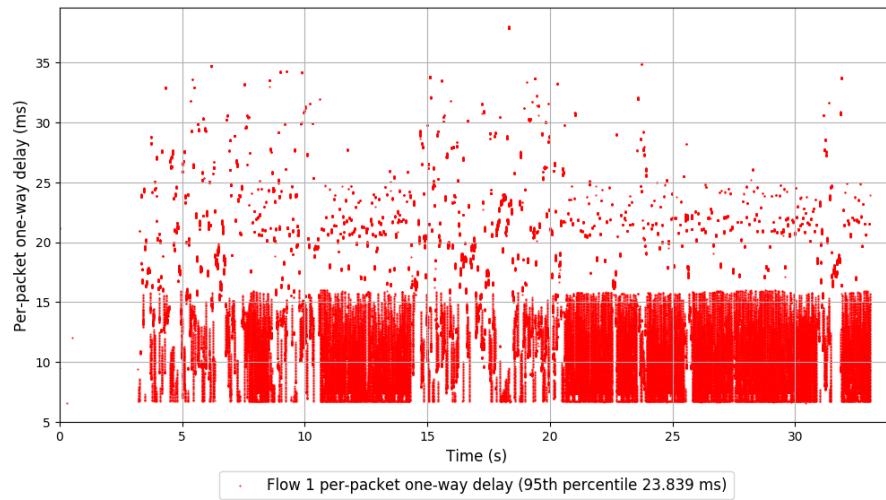
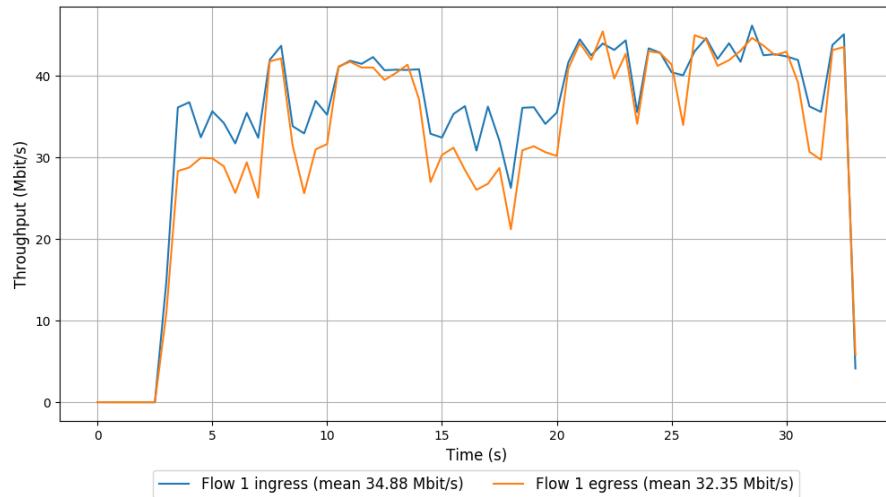


Run 2: Statistics of Sprout

```
Start at: Tue, 27 Jun 2017 01:35:59 +0000
End at: Tue, 27 Jun 2017 01:36:29 +0000
Local clock offset: -4.887 ms
Remote clock offset: -0.323 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:10:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.35 Mbit/s
95th percentile per-packet one-way delay: 23.839 ms
Loss rate: 7.30%
-- Flow 1:
Average throughput: 32.35 Mbit/s
95th percentile per-packet one-way delay: 23.839 ms
Loss rate: 7.30%
```

Run 2: Report of Sprout — Data Link

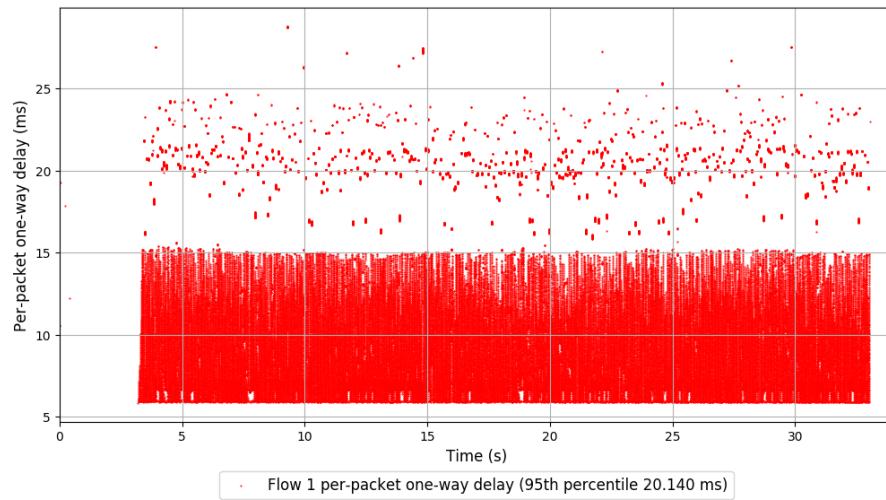
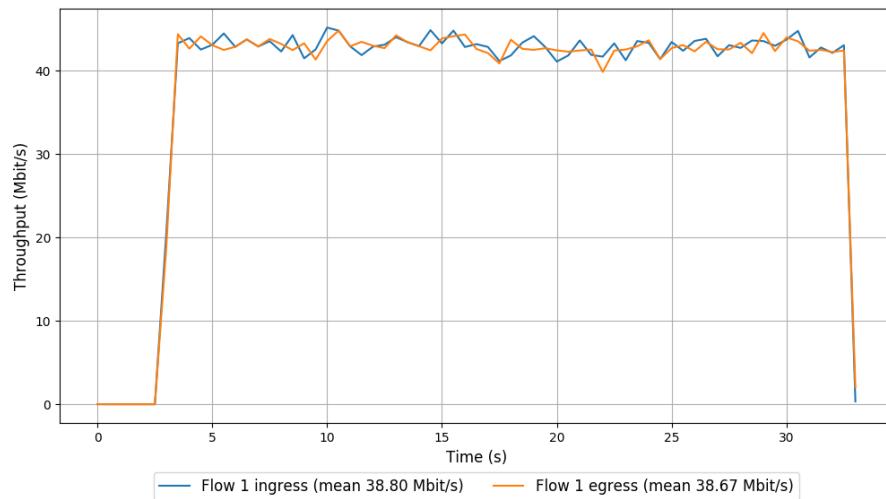


Run 3: Statistics of Sprout

```
Start at: Tue, 27 Jun 2017 01:54:47 +0000
End at: Tue, 27 Jun 2017 01:55:17 +0000
Local clock offset: -3.972 ms
Remote clock offset: -0.218 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:11:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 20.140 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 38.67 Mbit/s
95th percentile per-packet one-way delay: 20.140 ms
Loss rate: 0.29%
```

Run 3: Report of Sprout — Data Link

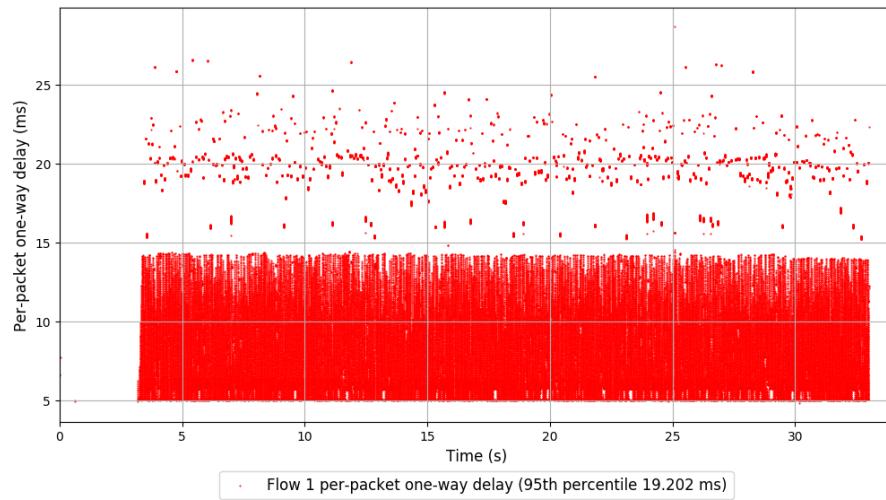
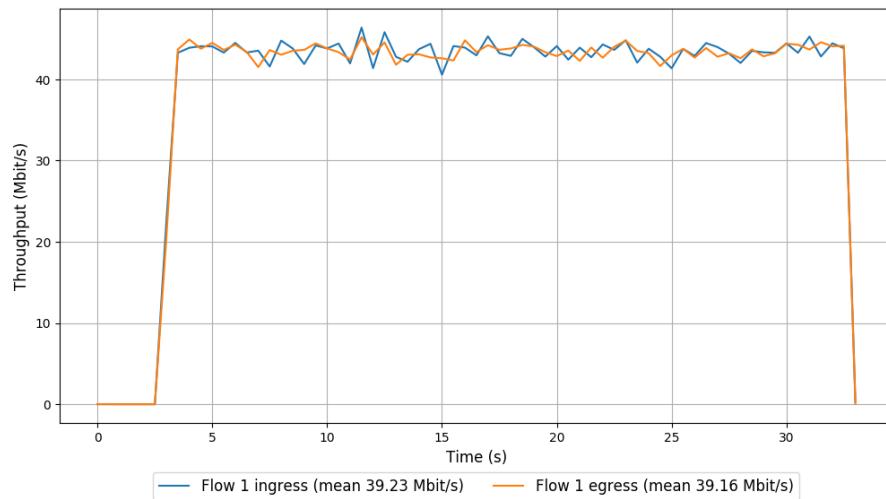


Run 4: Statistics of Sprout

```
Start at: Tue, 27 Jun 2017 02:13:11 +0000
End at: Tue, 27 Jun 2017 02:13:41 +0000
Local clock offset: -3.112 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:11:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 19.202 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 39.16 Mbit/s
95th percentile per-packet one-way delay: 19.202 ms
Loss rate: 0.15%
```

Run 4: Report of Sprout — Data Link

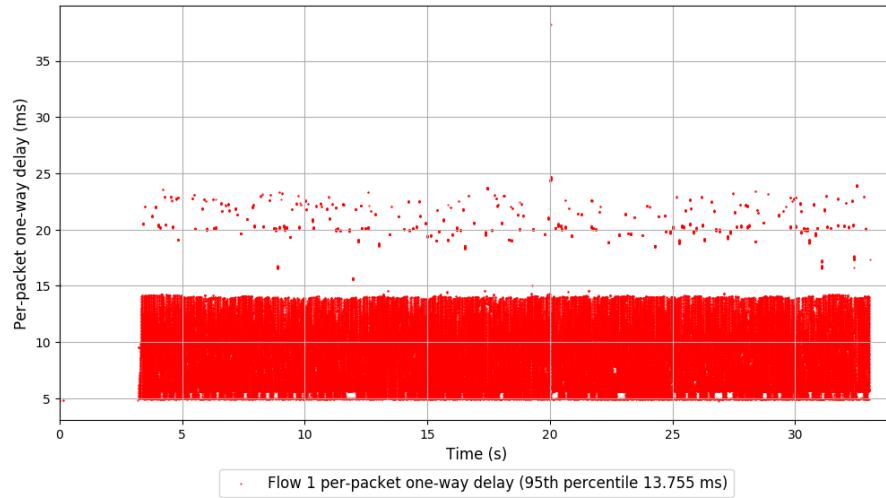
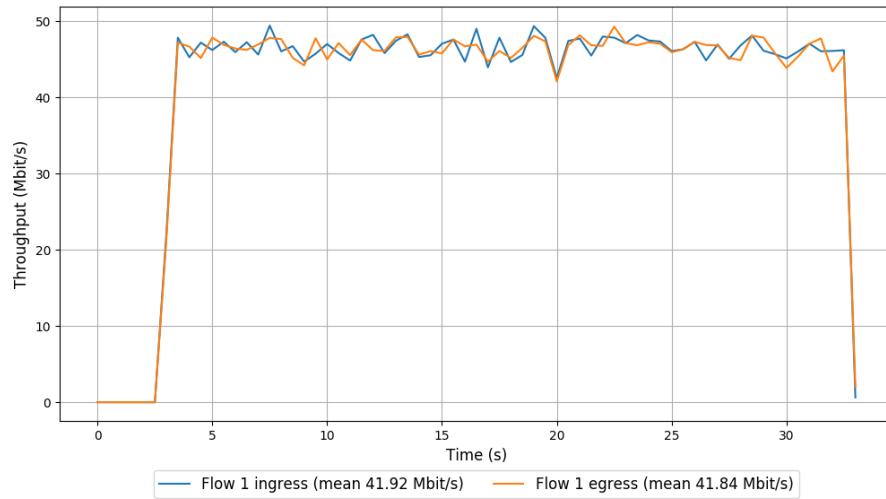


Run 5: Statistics of Sprout

```
Start at: Tue, 27 Jun 2017 02:31:22 +0000
End at: Tue, 27 Jun 2017 02:31:52 +0000
Local clock offset: -2.649 ms
Remote clock offset: 0.104 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:11:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.84 Mbit/s
95th percentile per-packet one-way delay: 13.755 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 41.84 Mbit/s
95th percentile per-packet one-way delay: 13.755 ms
Loss rate: 0.17%
```

Run 5: Report of Sprout — Data Link

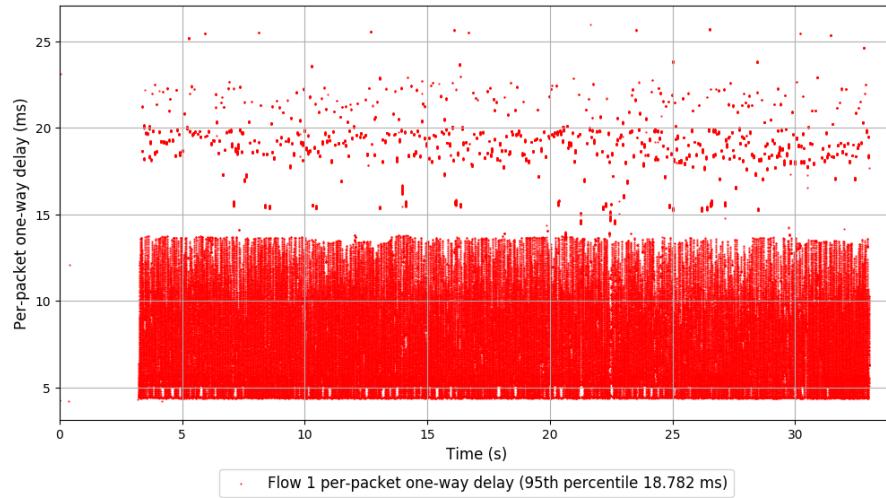
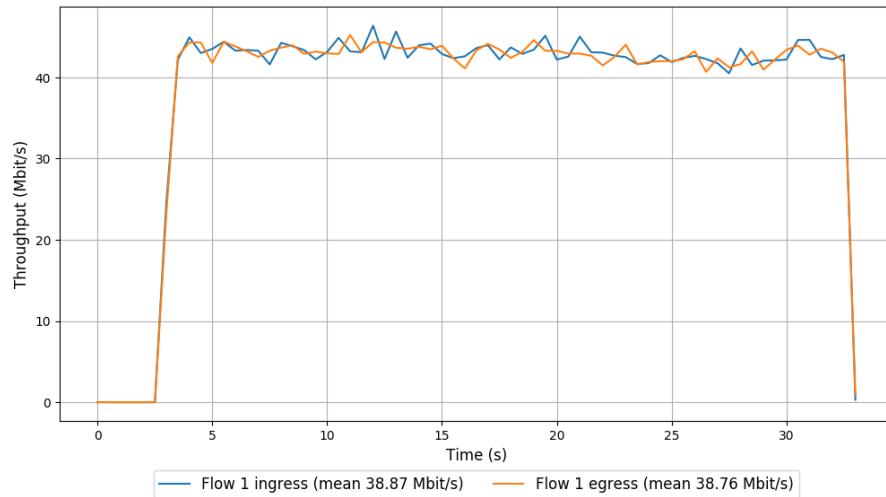


Run 6: Statistics of Sprout

```
Start at: Tue, 27 Jun 2017 02:49:40 +0000
End at: Tue, 27 Jun 2017 02:50:10 +0000
Local clock offset: -1.935 ms
Remote clock offset: 0.292 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:11:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 18.782 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 38.76 Mbit/s
95th percentile per-packet one-way delay: 18.782 ms
Loss rate: 0.25%
```

Run 6: Report of Sprout — Data Link

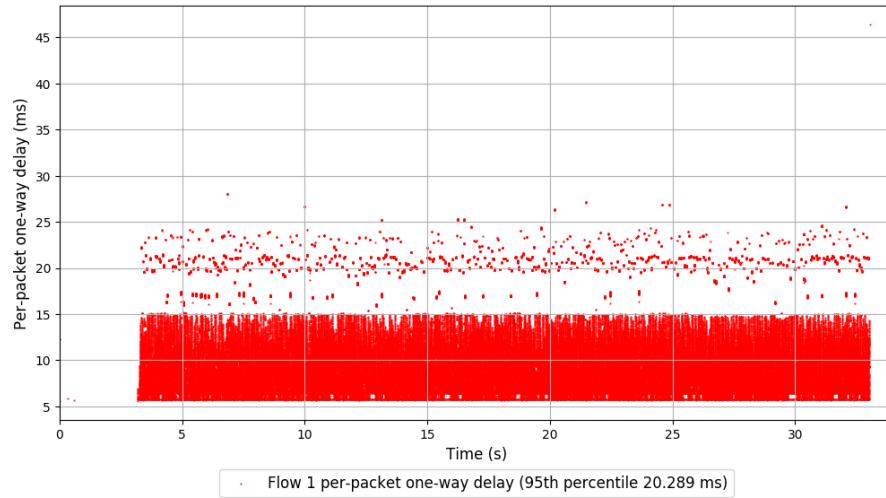
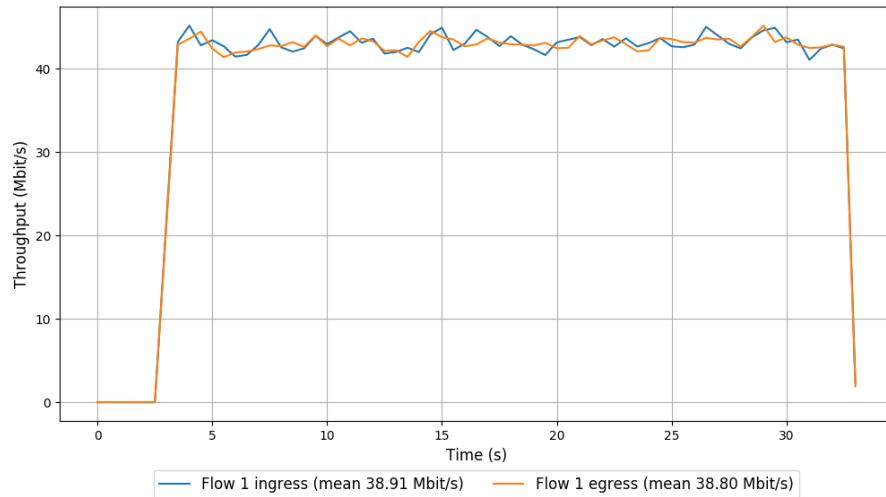


Run 7: Statistics of Sprout

```
Start at: Tue, 27 Jun 2017 03:08:06 +0000
End at: Tue, 27 Jun 2017 03:08:36 +0000
Local clock offset: -3.2 ms
Remote clock offset: 0.398 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:12:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 20.289 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 38.80 Mbit/s
95th percentile per-packet one-way delay: 20.289 ms
Loss rate: 0.25%
```

Run 7: Report of Sprout — Data Link

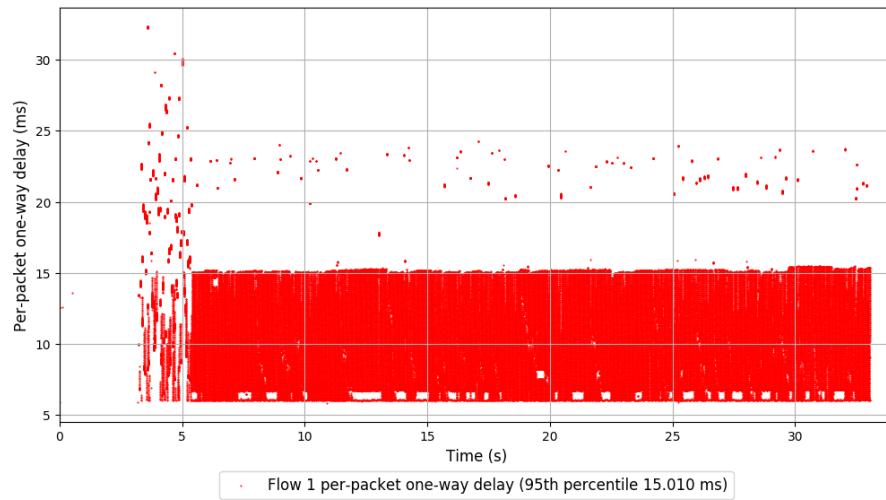
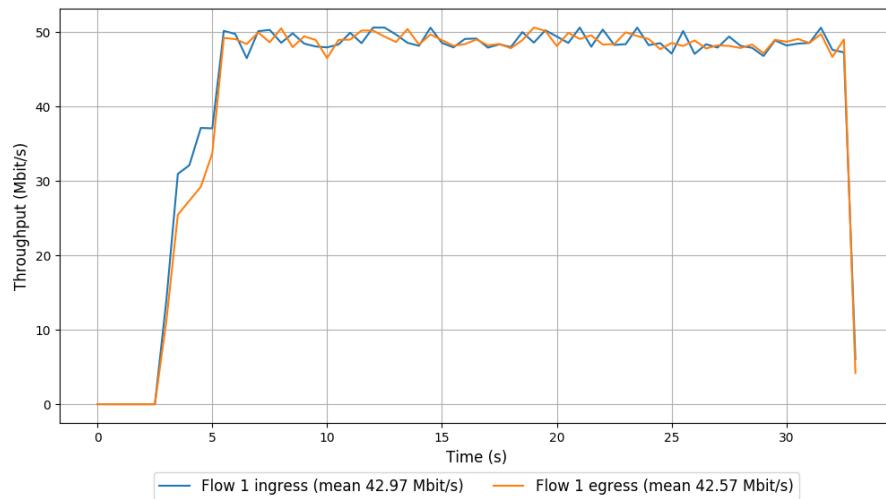


Run 8: Statistics of Sprout

```
Start at: Tue, 27 Jun 2017 03:26:10 +0000
End at: Tue, 27 Jun 2017 03:26:40 +0000
Local clock offset: -4.268 ms
Remote clock offset: 0.379 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:12:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.57 Mbit/s
95th percentile per-packet one-way delay: 15.010 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 42.57 Mbit/s
95th percentile per-packet one-way delay: 15.010 ms
Loss rate: 0.93%
```

Run 8: Report of Sprout — Data Link

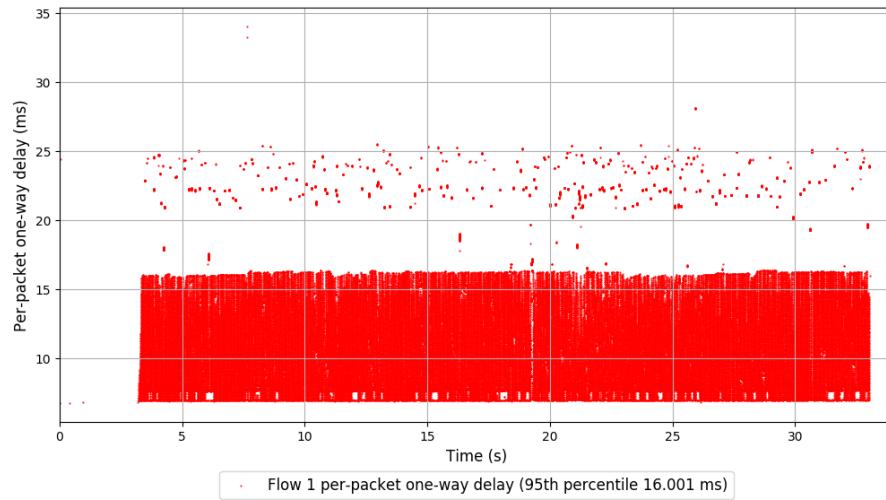
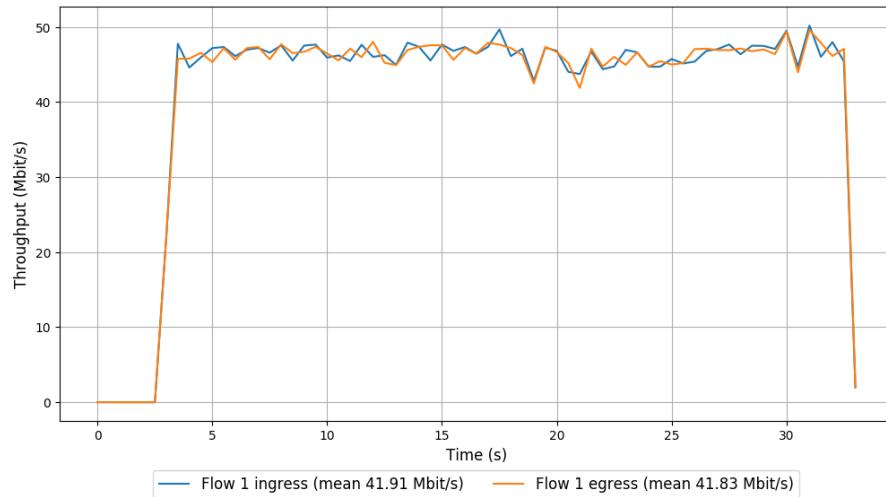


Run 9: Statistics of Sprout

```
Start at: Tue, 27 Jun 2017 03:44:43 +0000
End at: Tue, 27 Jun 2017 03:45:13 +0000
Local clock offset: -4.288 ms
Remote clock offset: 0.468 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:12:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 16.001 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 41.83 Mbit/s
95th percentile per-packet one-way delay: 16.001 ms
Loss rate: 0.17%
```

Run 9: Report of Sprout — Data Link

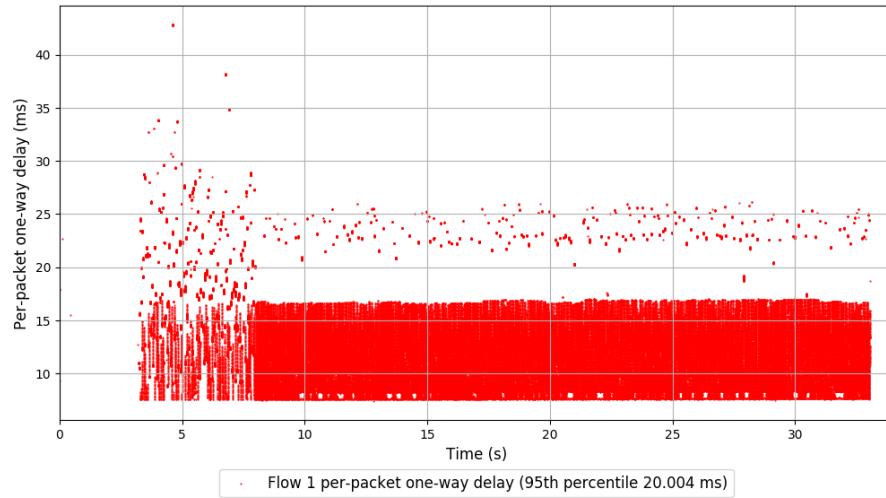
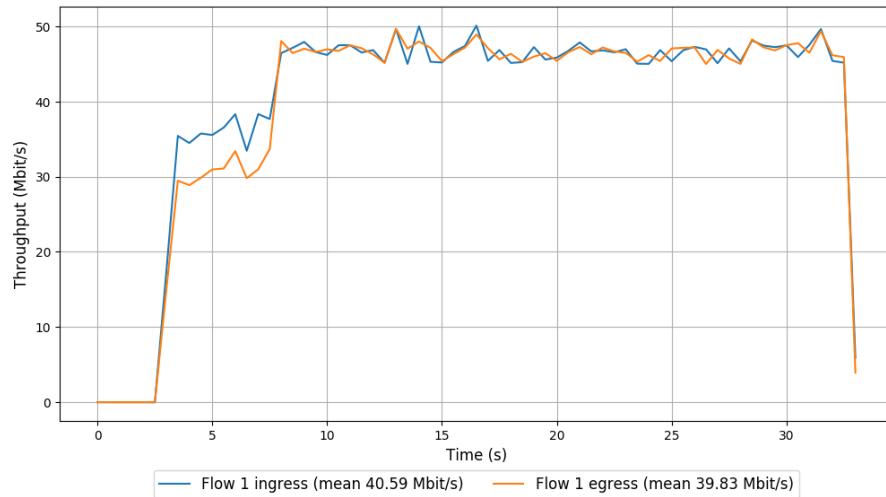


Run 10: Statistics of Sprout

```
Start at: Tue, 27 Jun 2017 04:03:27 +0000
End at: Tue, 27 Jun 2017 04:03:57 +0000
Local clock offset: -4.832 ms
Remote clock offset: 0.449 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:12:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 20.004 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 39.83 Mbit/s
95th percentile per-packet one-way delay: 20.004 ms
Loss rate: 1.87%
```

Run 10: Report of Sprout — Data Link

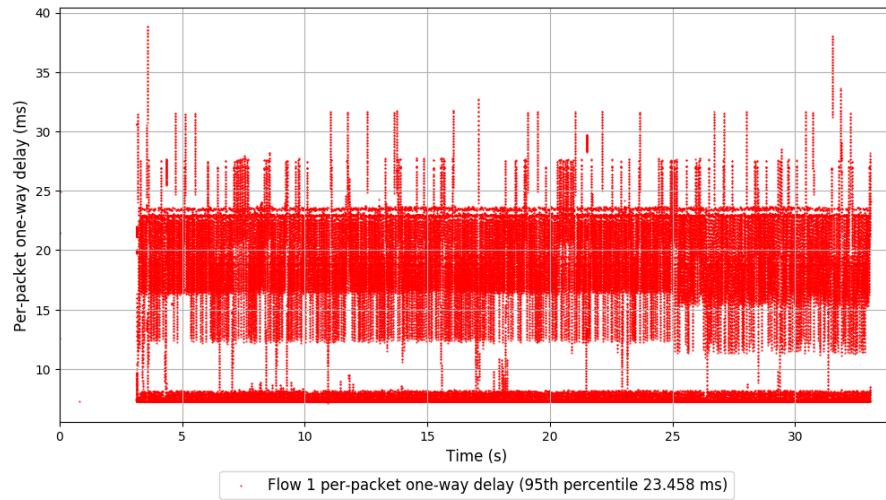
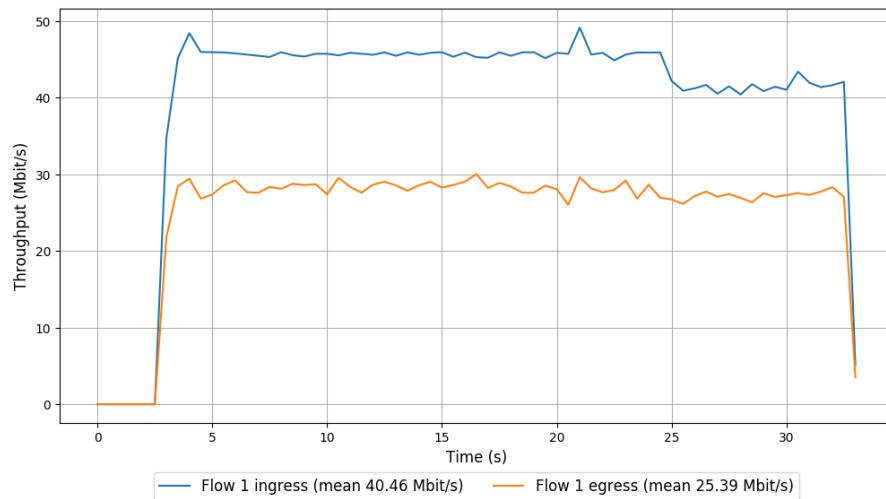


Run 1: Statistics of TaoVA-100x

```
Start at: Tue, 27 Jun 2017 01:07:56 +0000
End at: Tue, 27 Jun 2017 01:08:26 +0000
Local clock offset: -6.951 ms
Remote clock offset: -0.32 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:13:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.39 Mbit/s
95th percentile per-packet one-way delay: 23.458 ms
Loss rate: 37.26%
-- Flow 1:
Average throughput: 25.39 Mbit/s
95th percentile per-packet one-way delay: 23.458 ms
Loss rate: 37.26%
```

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

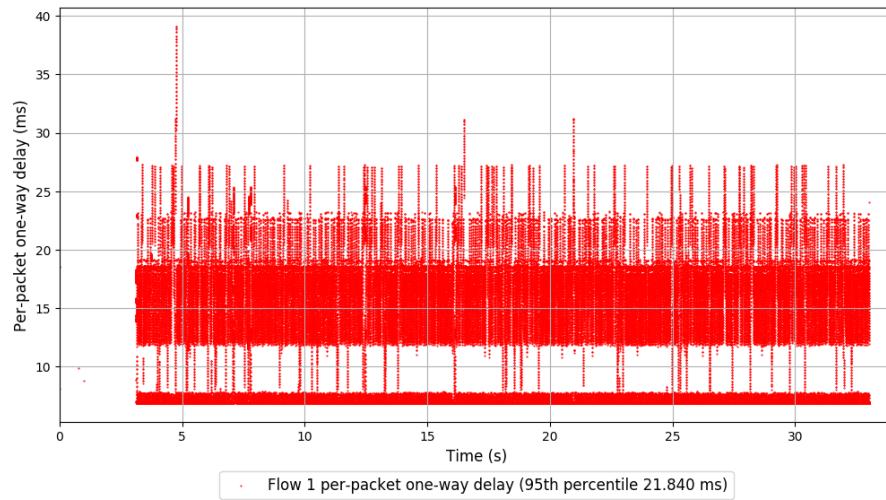
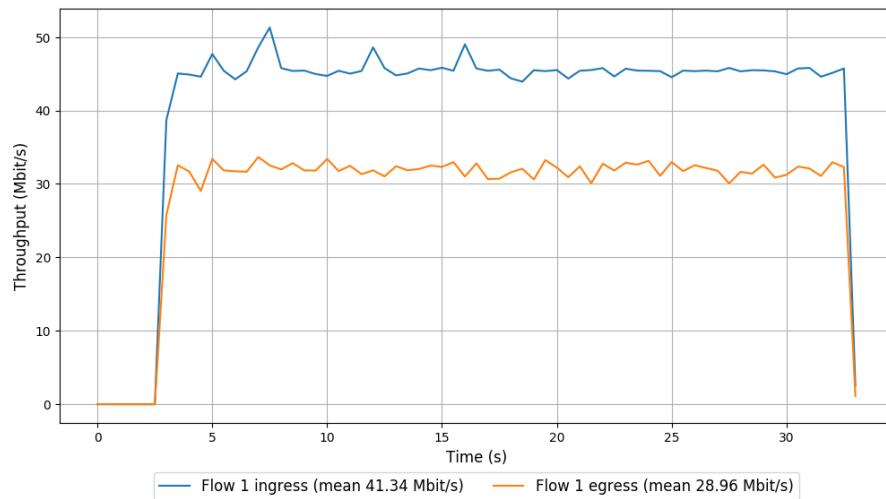


Run 2: Statistics of TaoVA-100x

```
Start at: Tue, 27 Jun 2017 01:26:10 +0000
End at: Tue, 27 Jun 2017 01:26:40 +0000
Local clock offset: -5.15 ms
Remote clock offset: -0.339 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:13:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 21.840 ms
Loss rate: 29.98%
-- Flow 1:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 21.840 ms
Loss rate: 29.98%
```

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

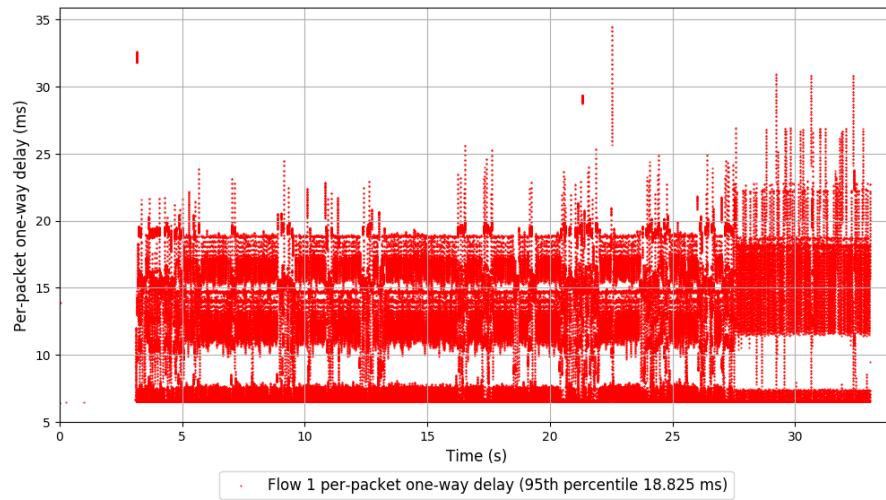
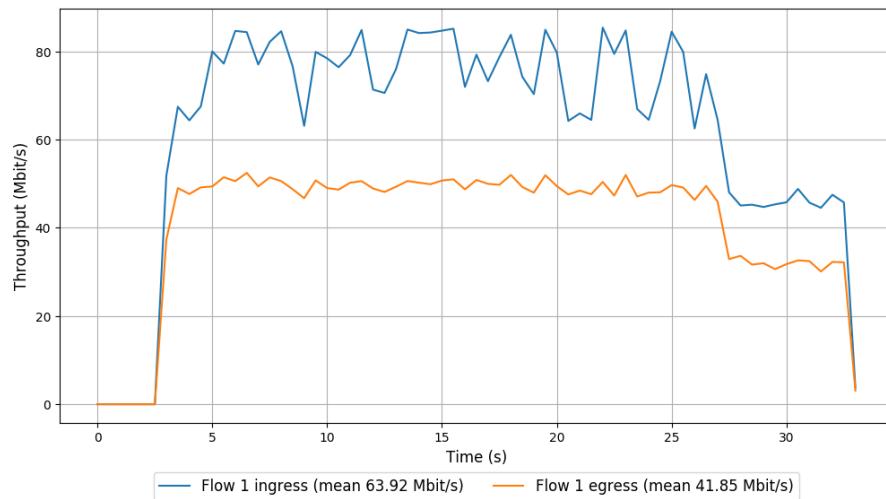


Run 3: Statistics of TaoVA-100x

```
Start at: Tue, 27 Jun 2017 01:44:40 +0000
End at: Tue, 27 Jun 2017 01:45:10 +0000
Local clock offset: -4.732 ms
Remote clock offset: -0.366 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:13:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.85 Mbit/s
95th percentile per-packet one-way delay: 18.825 ms
Loss rate: 34.53%
-- Flow 1:
Average throughput: 41.85 Mbit/s
95th percentile per-packet one-way delay: 18.825 ms
Loss rate: 34.53%
```

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

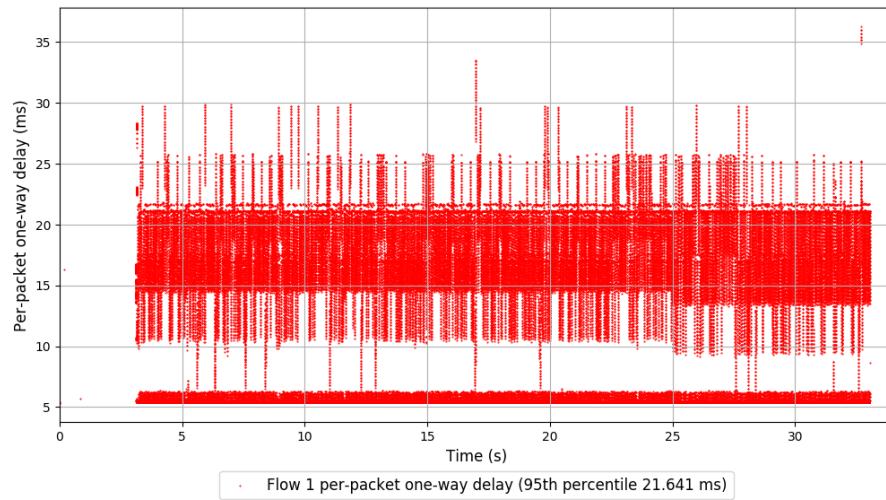
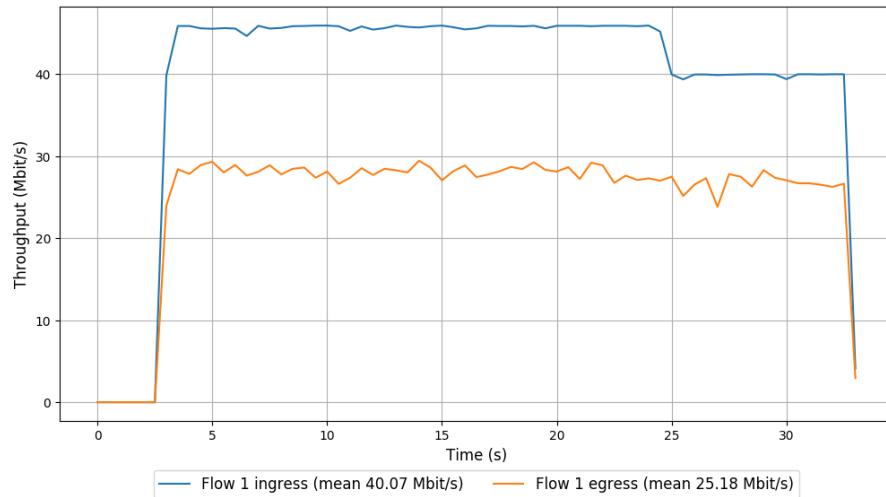


Run 4: Statistics of TaoVA-100x

```
Start at: Tue, 27 Jun 2017 02:03:17 +0000
End at: Tue, 27 Jun 2017 02:03:47 +0000
Local clock offset: -3.553 ms
Remote clock offset: -0.21 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:13:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.18 Mbit/s
95th percentile per-packet one-way delay: 21.641 ms
Loss rate: 37.18%
-- Flow 1:
Average throughput: 25.18 Mbit/s
95th percentile per-packet one-way delay: 21.641 ms
Loss rate: 37.18%
```

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

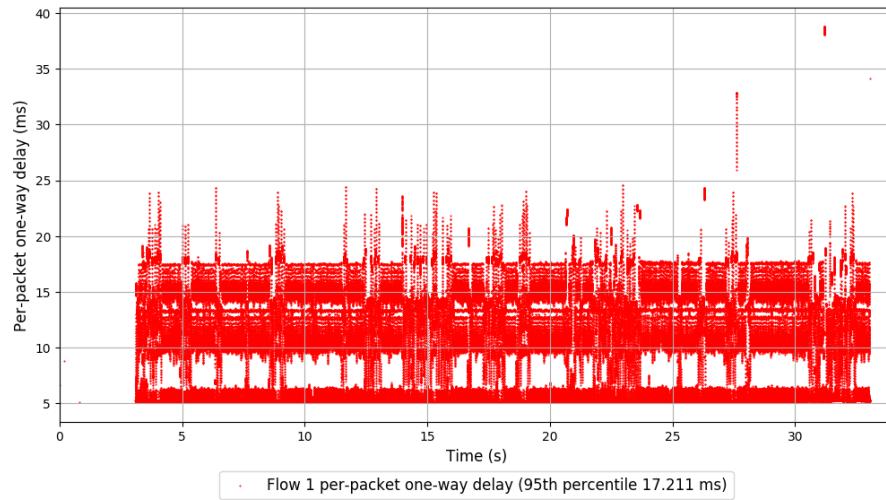
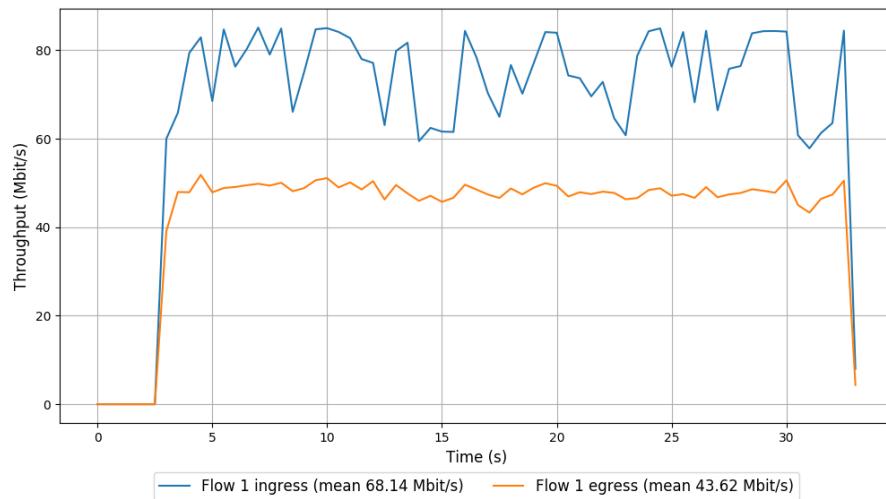


Run 5: Statistics of TaoVA-100x

```
Start at: Tue, 27 Jun 2017 02:21:42 +0000
End at: Tue, 27 Jun 2017 02:22:12 +0000
Local clock offset: -3.075 ms
Remote clock offset: -0.139 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:14:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 17.211 ms
Loss rate: 35.97%
-- Flow 1:
Average throughput: 43.62 Mbit/s
95th percentile per-packet one-way delay: 17.211 ms
Loss rate: 35.97%
```

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

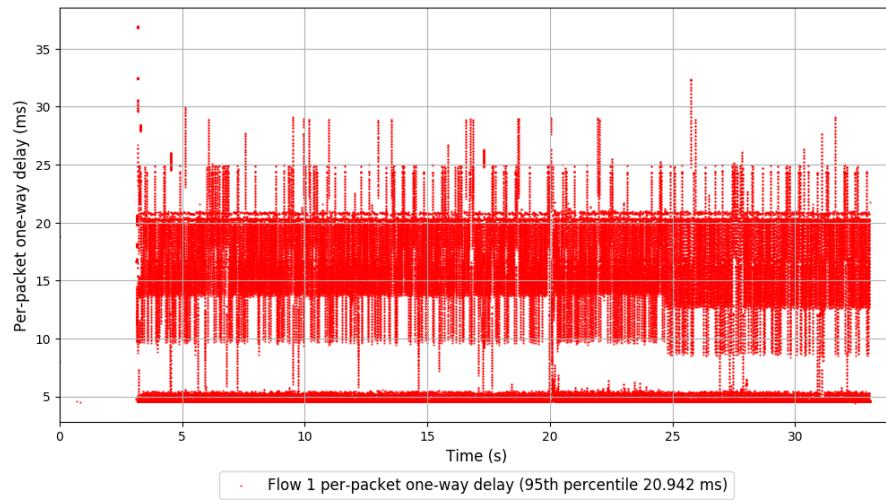
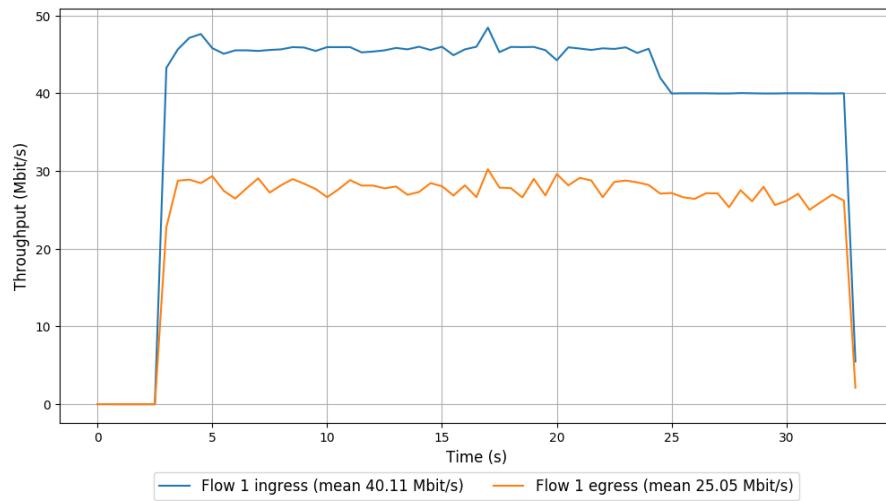


Run 6: Statistics of TaoVA-100x

```
Start at: Tue, 27 Jun 2017 02:39:42 +0000
End at: Tue, 27 Jun 2017 02:40:13 +0000
Local clock offset: -2.308 ms
Remote clock offset: 0.193 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:14:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.05 Mbit/s
95th percentile per-packet one-way delay: 20.942 ms
Loss rate: 37.61%
-- Flow 1:
Average throughput: 25.05 Mbit/s
95th percentile per-packet one-way delay: 20.942 ms
Loss rate: 37.61%
```

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



Run 7: Statistics of TaoVA-100x

Start at: Tue, 27 Jun 2017 02:58:09 +0000

End at: Tue, 27 Jun 2017 02:58:39 +0000

Local clock offset: -2.948 ms

Remote clock offset: 0.361 ms

Below is generated by plot.py at Tue, 27 Jun 2017 07:14:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.92 Mbit/s

95th percentile per-packet one-way delay: 20.432 ms

Loss rate: 29.62%

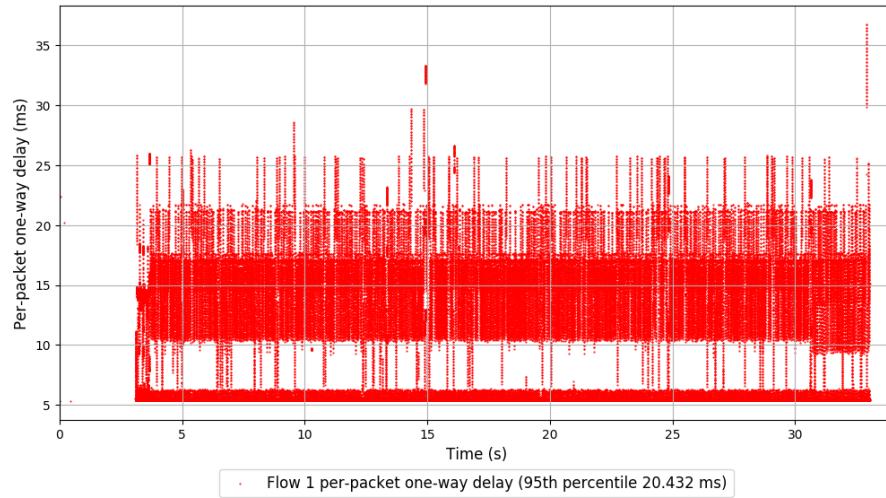
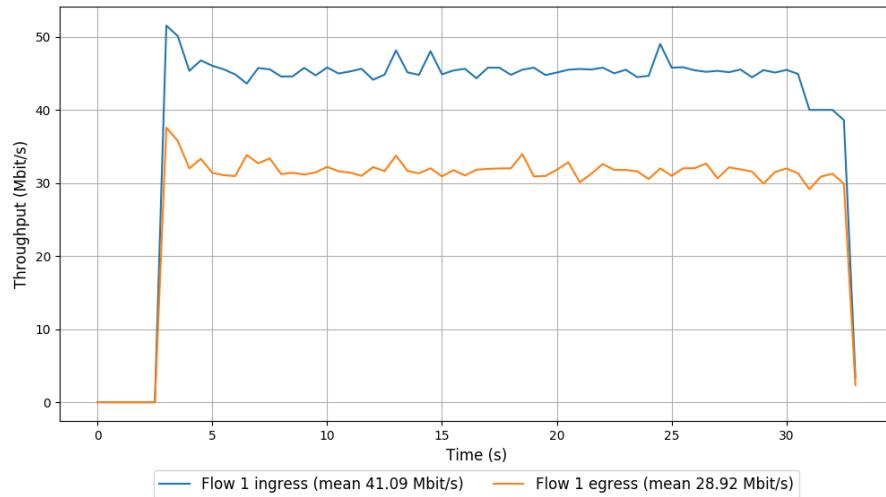
-- Flow 1:

Average throughput: 28.92 Mbit/s

95th percentile per-packet one-way delay: 20.432 ms

Loss rate: 29.62%

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

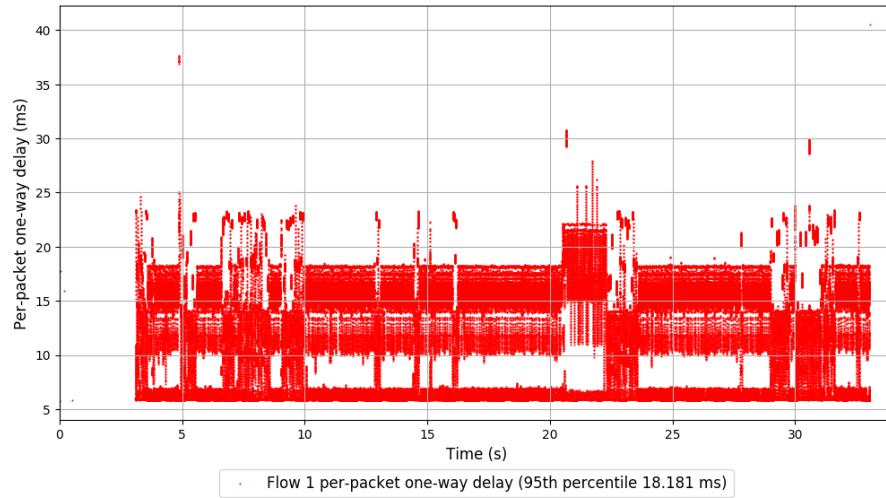
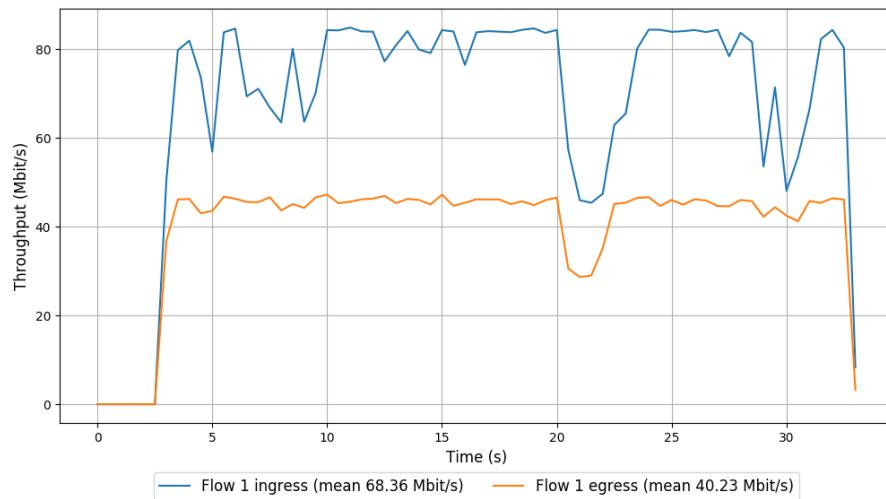


Run 8: Statistics of TaoVA-100x

```
Start at: Tue, 27 Jun 2017 03:16:34 +0000
End at: Tue, 27 Jun 2017 03:17:04 +0000
Local clock offset: -3.346 ms
Remote clock offset: 0.387 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:15:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 18.181 ms
Loss rate: 41.13%
-- Flow 1:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 18.181 ms
Loss rate: 41.13%
```

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



Run 9: Statistics of TaoVA-100x

Start at: Tue, 27 Jun 2017 03:34:51 +0000

End at: Tue, 27 Jun 2017 03:35:21 +0000

Local clock offset: -3.793 ms

Remote clock offset: 0.43 ms

Below is generated by plot.py at Tue, 27 Jun 2017 07:15:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: 19.345 ms

Loss rate: 36.14%

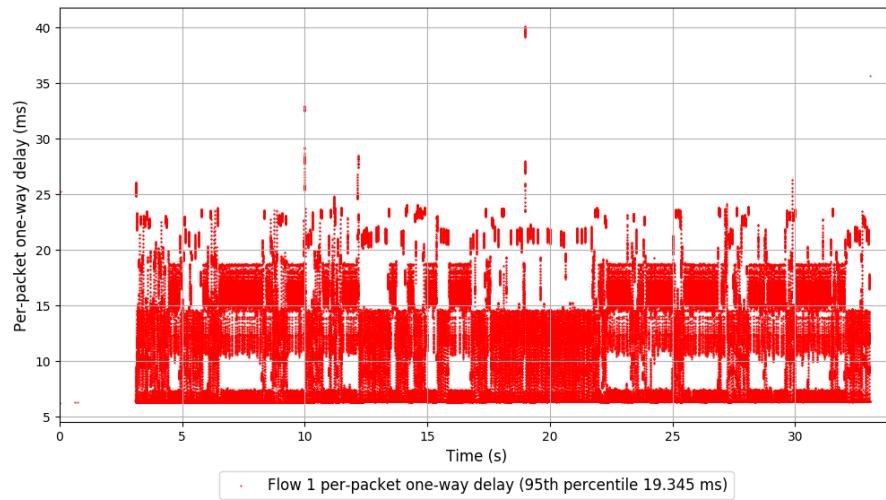
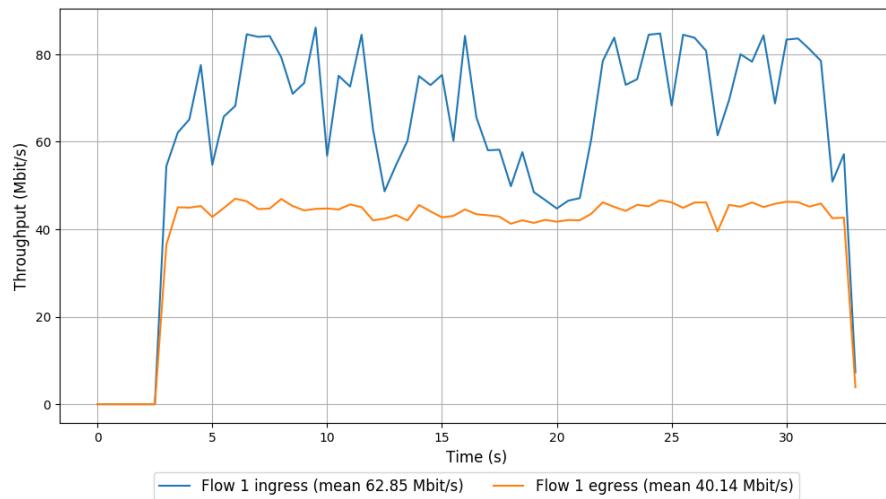
-- Flow 1:

Average throughput: 40.14 Mbit/s

95th percentile per-packet one-way delay: 19.345 ms

Loss rate: 36.14%

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

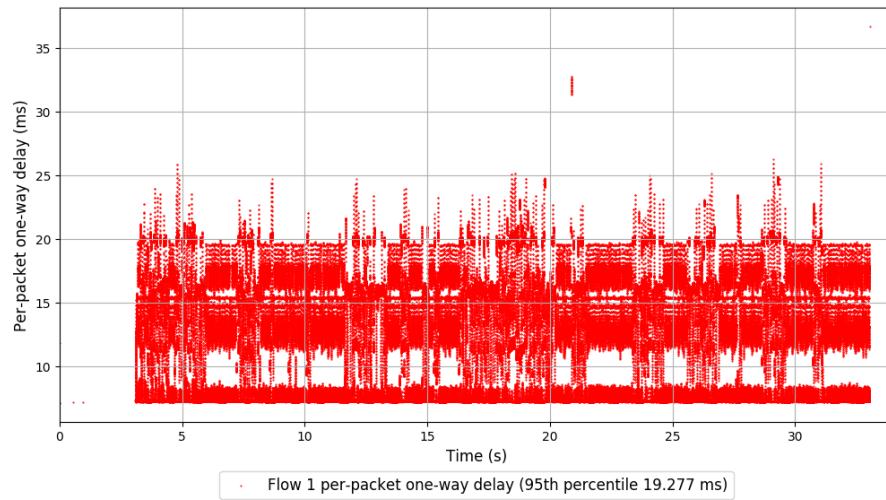
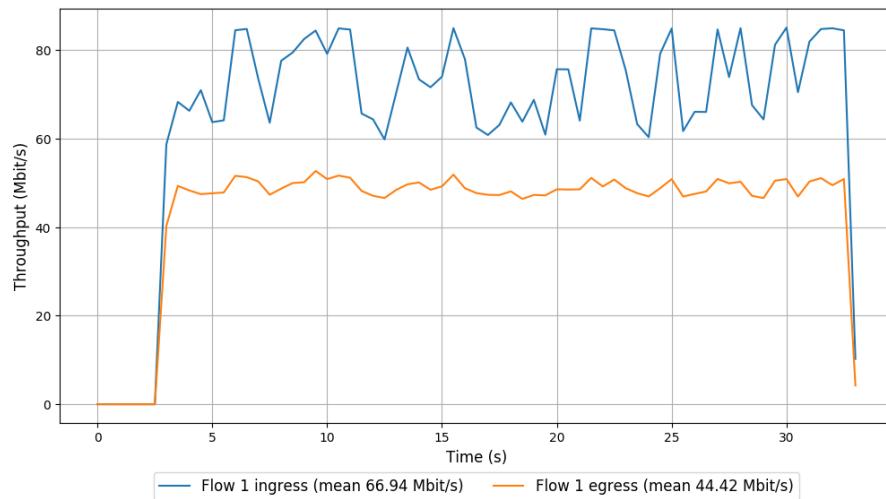


Run 10: Statistics of TaoVA-100x

```
Start at: Tue, 27 Jun 2017 03:53:25 +0000
End at: Tue, 27 Jun 2017 03:53:55 +0000
Local clock offset: -4.614 ms
Remote clock offset: 0.417 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:16:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.42 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 33.64%
-- Flow 1:
Average throughput: 44.42 Mbit/s
95th percentile per-packet one-way delay: 19.277 ms
Loss rate: 33.64%
```

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

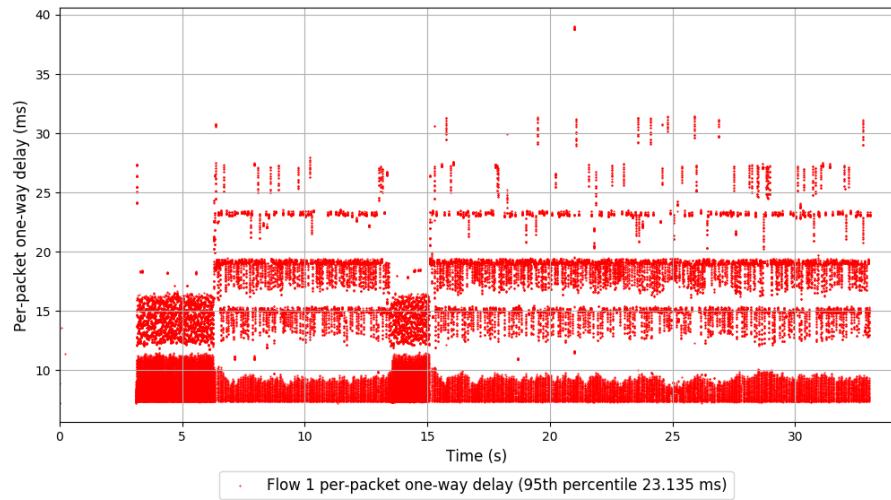
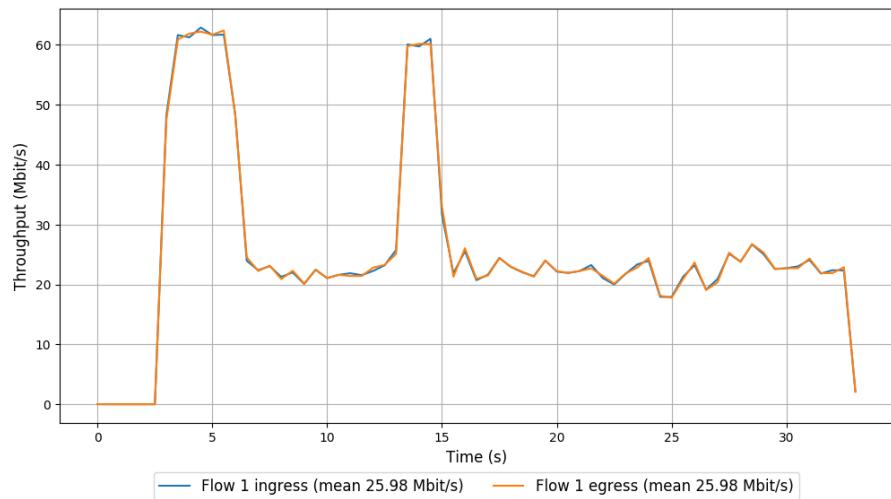


Run 1: Statistics of TCP Vegas

```
Start at: Tue, 27 Jun 2017 01:12:39 +0000
End at: Tue, 27 Jun 2017 01:13:09 +0000
Local clock offset: -5.577 ms
Remote clock offset: -0.324 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:16:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.98 Mbit/s
95th percentile per-packet one-way delay: 23.135 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 25.98 Mbit/s
95th percentile per-packet one-way delay: 23.135 ms
Loss rate: 0.03%
```

Run 1: Report of TCP Vegas — Data Link

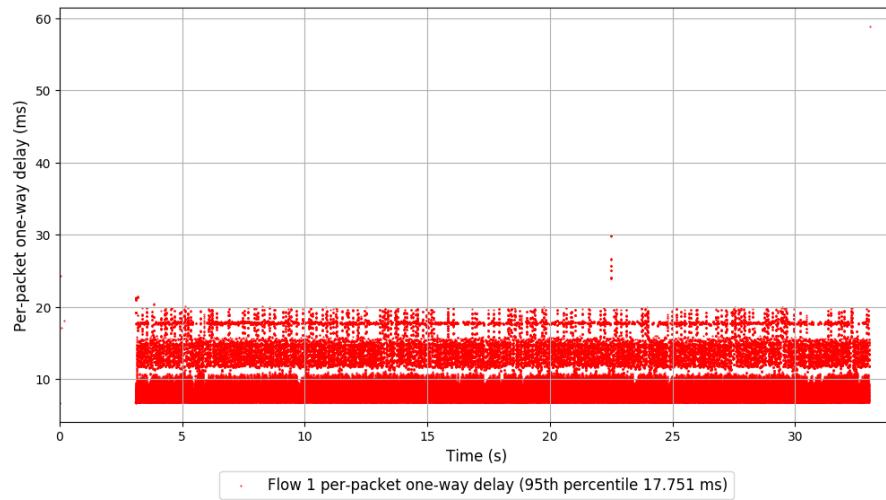
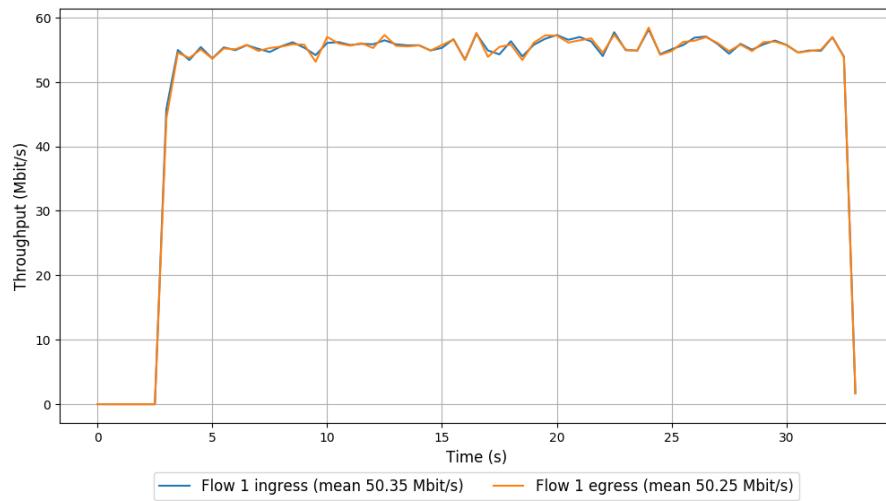


Run 2: Statistics of TCP Vegas

```
Start at: Tue, 27 Jun 2017 01:31:00 +0000
End at: Tue, 27 Jun 2017 01:31:30 +0000
Local clock offset: -4.986 ms
Remote clock offset: -0.317 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:16:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 17.751 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 50.25 Mbit/s
95th percentile per-packet one-way delay: 17.751 ms
Loss rate: 0.06%
```

Run 2: Report of TCP Vegas — Data Link

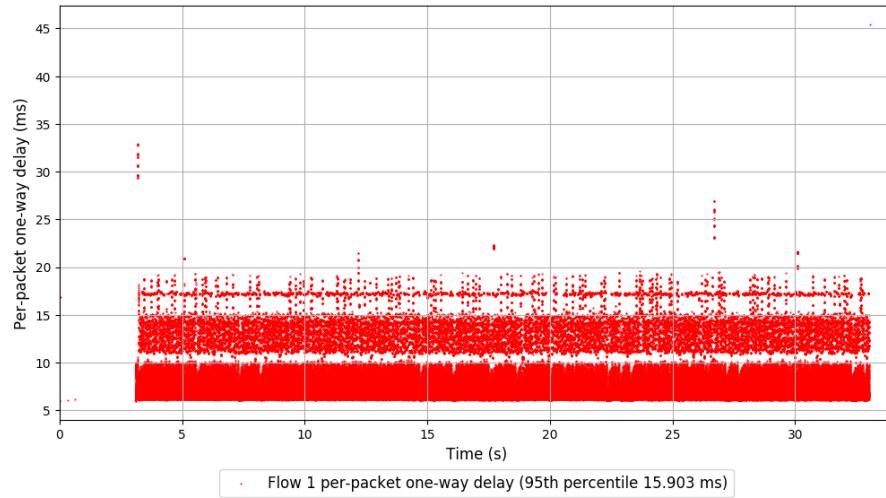
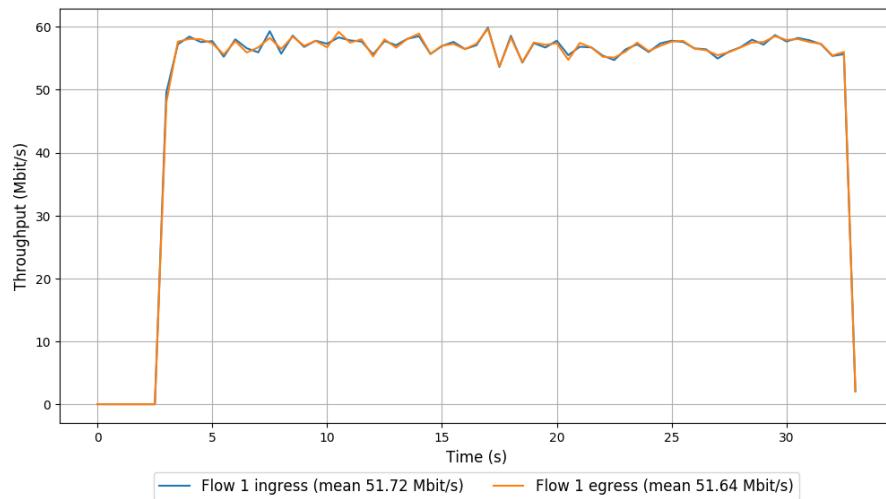


Run 3: Statistics of TCP Vegas

```
Start at: Tue, 27 Jun 2017 01:49:44 +0000
End at: Tue, 27 Jun 2017 01:50:14 +0000
Local clock offset: -4.35 ms
Remote clock offset: -0.274 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:16:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.64 Mbit/s
95th percentile per-packet one-way delay: 15.903 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 51.64 Mbit/s
95th percentile per-packet one-way delay: 15.903 ms
Loss rate: 0.04%
```

Run 3: Report of TCP Vegas — Data Link

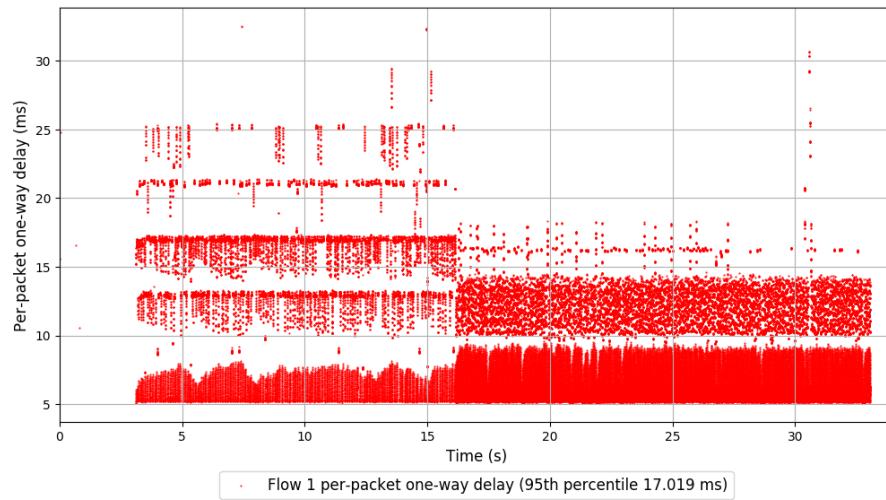
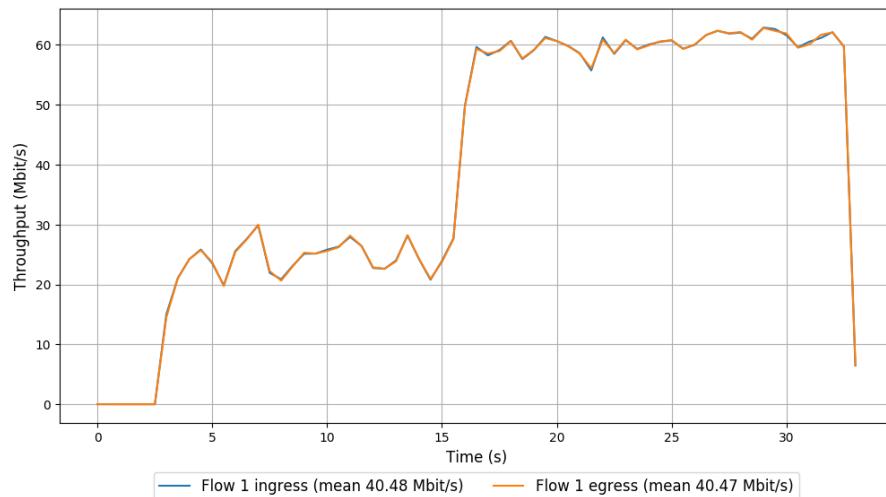


Run 4: Statistics of TCP Vegas

```
Start at: Tue, 27 Jun 2017 02:08:09 +0000
End at: Tue, 27 Jun 2017 02:08:39 +0000
Local clock offset: -3.309 ms
Remote clock offset: -0.227 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:16:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 17.019 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 40.47 Mbit/s
95th percentile per-packet one-way delay: 17.019 ms
Loss rate: 0.04%
```

Run 4: Report of TCP Vegas — Data Link

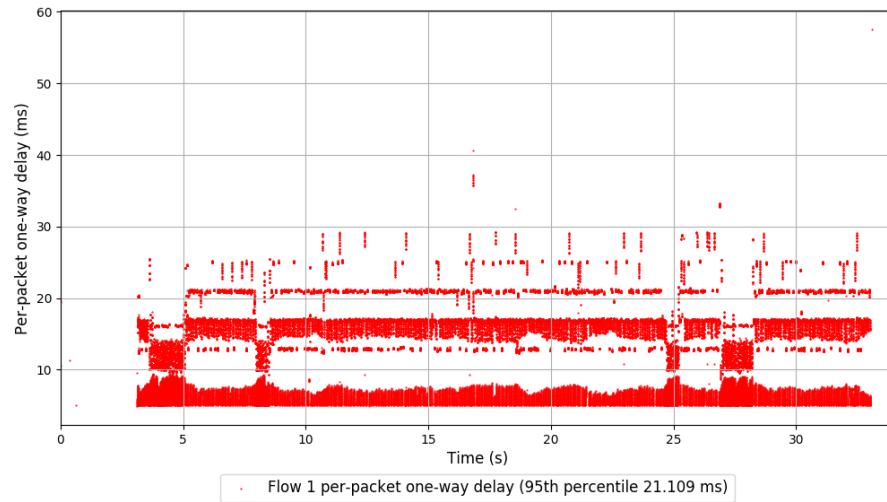
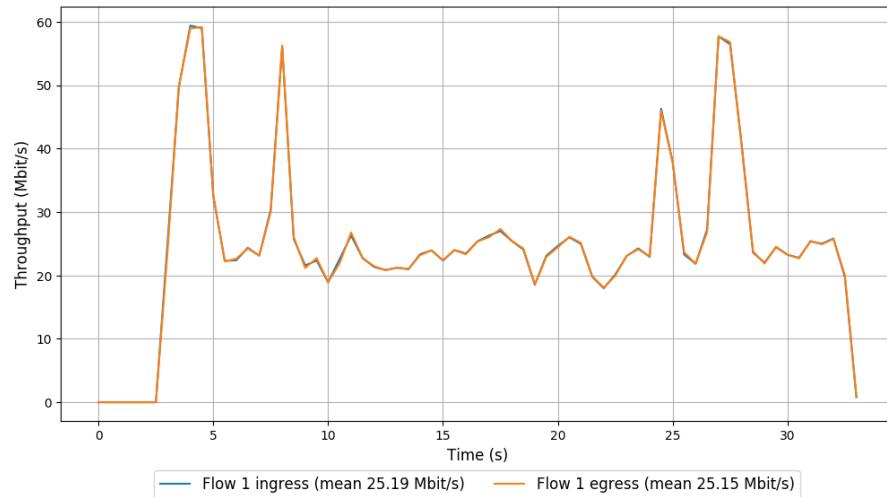


Run 5: Statistics of TCP Vegas

```
Start at: Tue, 27 Jun 2017 02:26:29 +0000
End at: Tue, 27 Jun 2017 02:26:59 +0000
Local clock offset: -2.955 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:16:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.15 Mbit/s
95th percentile per-packet one-way delay: 21.109 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 25.15 Mbit/s
95th percentile per-packet one-way delay: 21.109 ms
Loss rate: 0.05%
```

Run 5: Report of TCP Vegas — Data Link

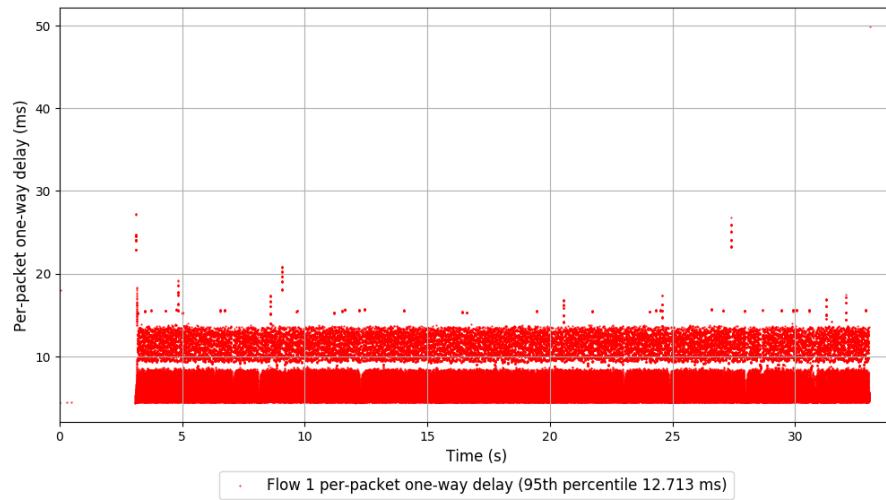
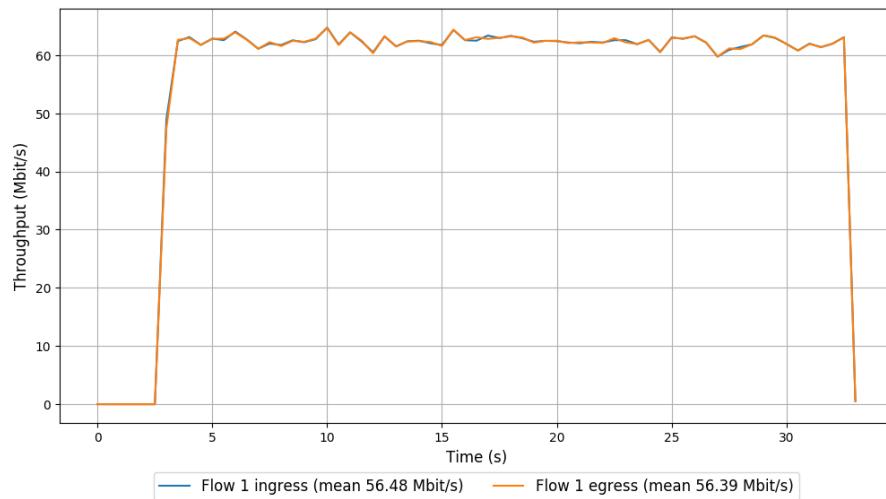


Run 6: Statistics of TCP Vegas

```
Start at: Tue, 27 Jun 2017 02:44:34 +0000
End at: Tue, 27 Jun 2017 02:45:04 +0000
Local clock offset: -2.108 ms
Remote clock offset: 0.277 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:17:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 12.713 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 56.39 Mbit/s
95th percentile per-packet one-way delay: 12.713 ms
Loss rate: 0.04%
```

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Tue, 27 Jun 2017 03:03:00 +0000

End at: Tue, 27 Jun 2017 03:03:30 +0000

Local clock offset: -3.038 ms

Remote clock offset: 0.347 ms

Below is generated by plot.py at Tue, 27 Jun 2017 07:17:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.07 Mbit/s

95th percentile per-packet one-way delay: 16.384 ms

Loss rate: 0.06%

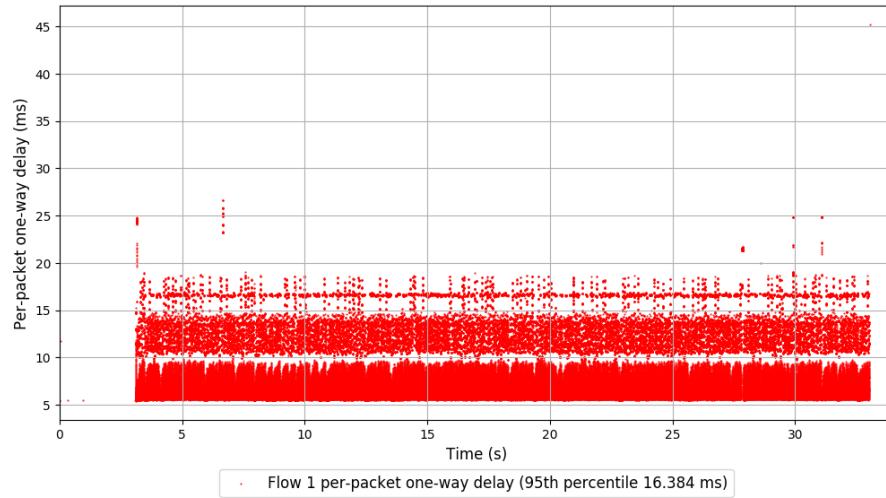
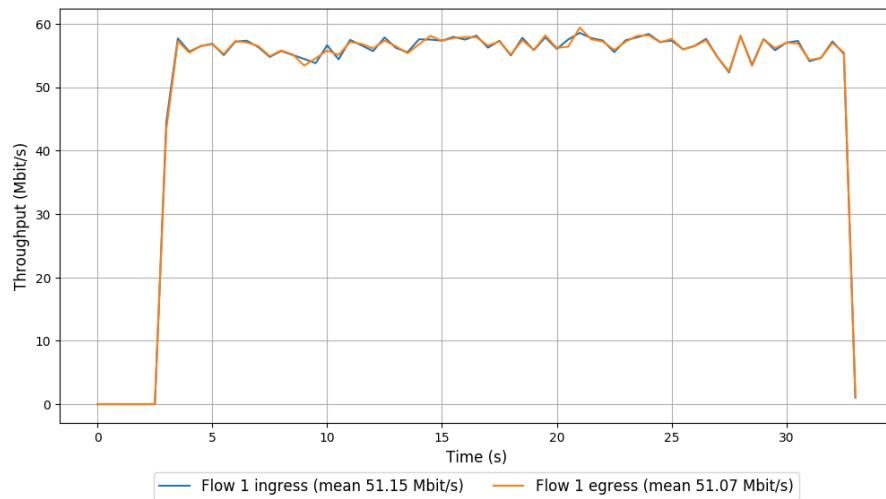
-- Flow 1:

Average throughput: 51.07 Mbit/s

95th percentile per-packet one-way delay: 16.384 ms

Loss rate: 0.06%

Run 7: Report of TCP Vegas — Data Link

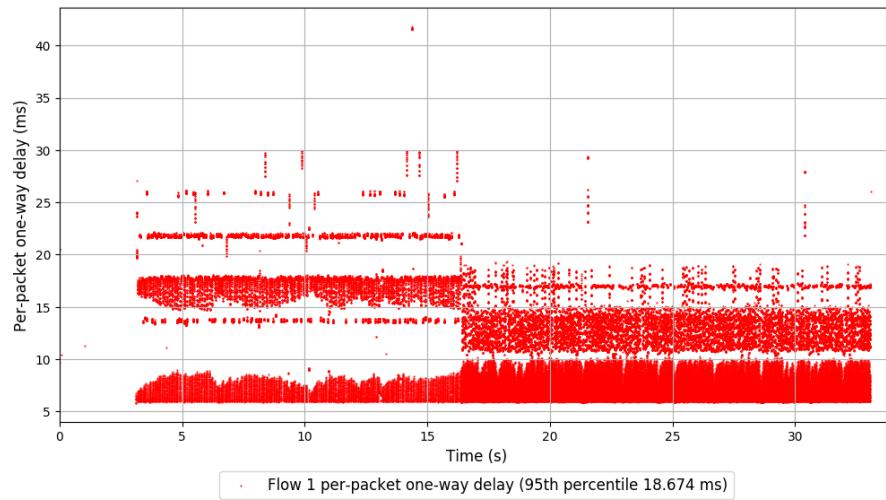
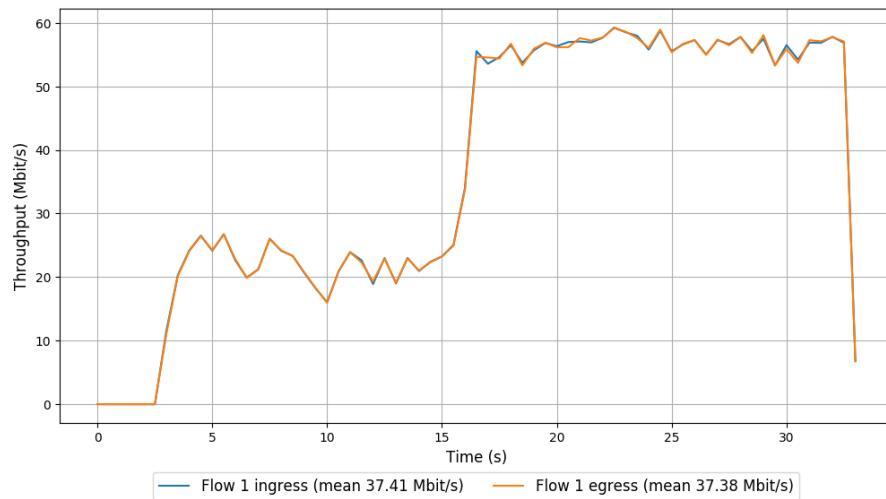


Run 8: Statistics of TCP Vegas

```
Start at: Tue, 27 Jun 2017 03:21:22 +0000
End at: Tue, 27 Jun 2017 03:21:52 +0000
Local clock offset: -3.477 ms
Remote clock offset: 0.357 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:17:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 18.674 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 37.38 Mbit/s
95th percentile per-packet one-way delay: 18.674 ms
Loss rate: 0.06%
```

Run 8: Report of TCP Vegas — Data Link

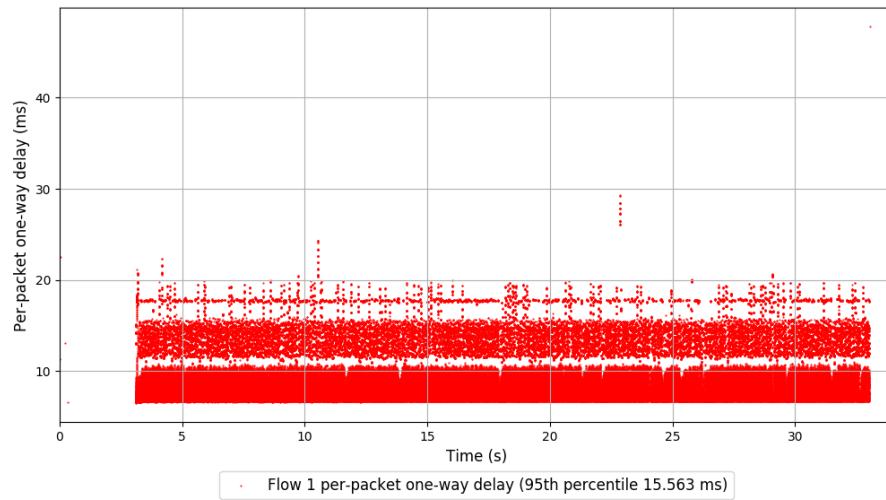
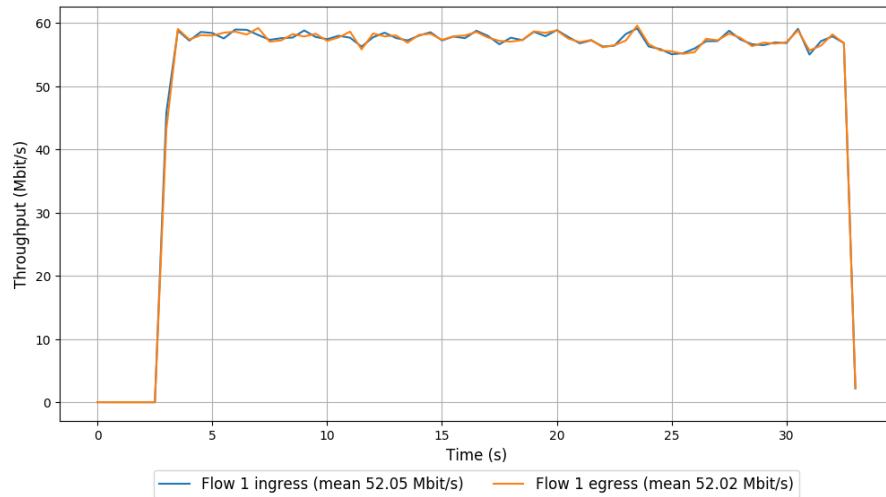


Run 9: Statistics of TCP Vegas

```
Start at: Tue, 27 Jun 2017 03:39:38 +0000
End at: Tue, 27 Jun 2017 03:40:08 +0000
Local clock offset: -4.435 ms
Remote clock offset: 0.477 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:17:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.02 Mbit/s
95th percentile per-packet one-way delay: 15.563 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 52.02 Mbit/s
95th percentile per-packet one-way delay: 15.563 ms
Loss rate: 0.08%
```

Run 9: Report of TCP Vegas — Data Link

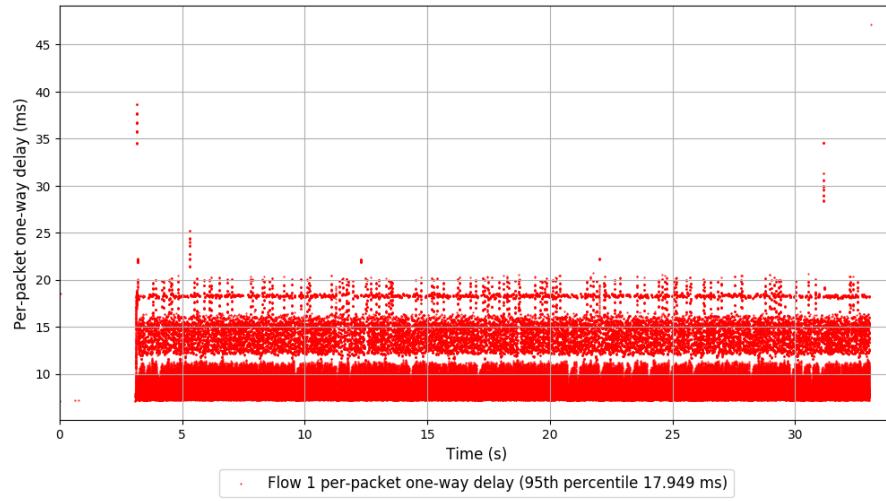
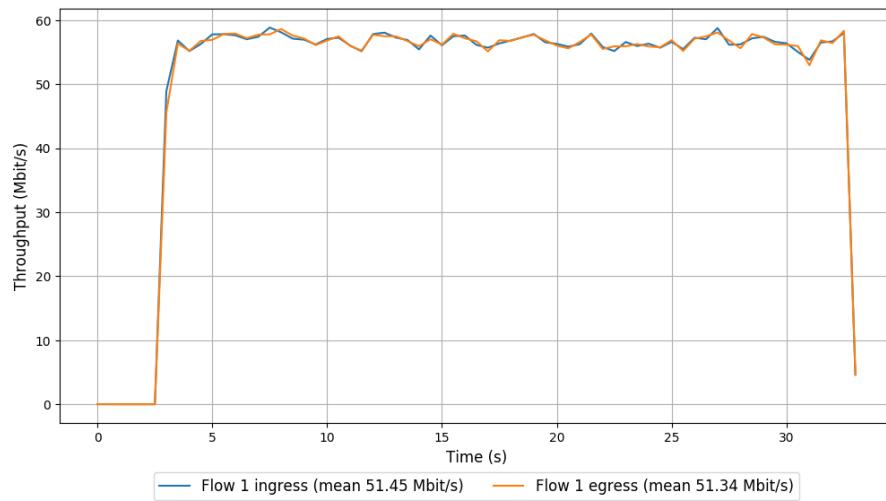


Run 10: Statistics of TCP Vegas

```
Start at: Tue, 27 Jun 2017 03:58:25 +0000
End at: Tue, 27 Jun 2017 03:58:55 +0000
Local clock offset: -4.674 ms
Remote clock offset: 0.508 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:18:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.34 Mbit/s
95th percentile per-packet one-way delay: 17.949 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 51.34 Mbit/s
95th percentile per-packet one-way delay: 17.949 ms
Loss rate: 0.11%
```

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

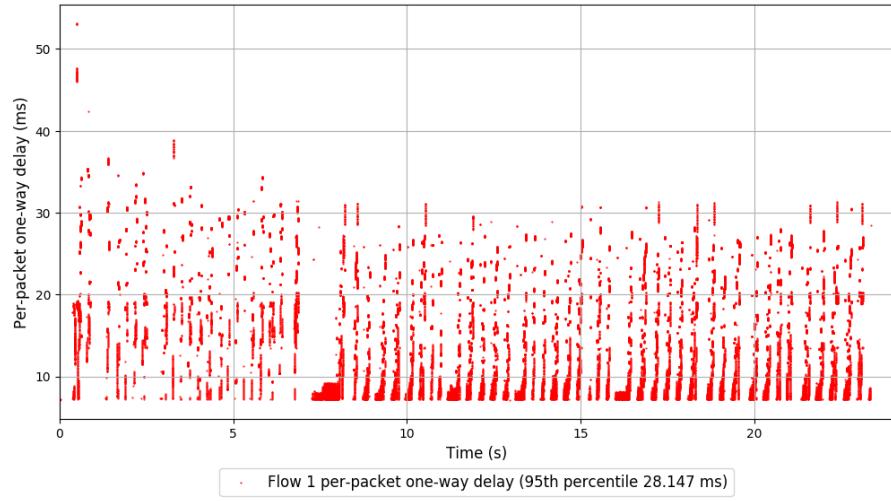
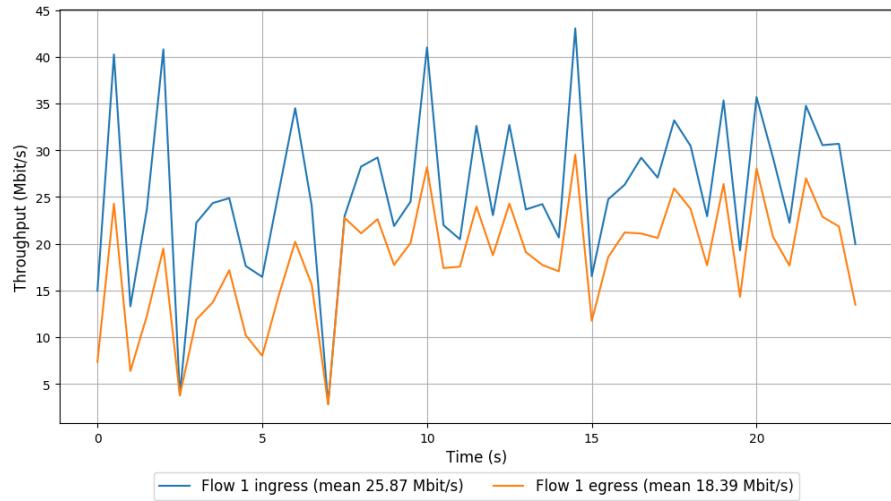
Start at: Tue, 27 Jun 2017 01:15:02 +0000

End at: Tue, 27 Jun 2017 01:15:32 +0000

Local clock offset: -5.559 ms

Remote clock offset: -0.329 ms

Run 1: Report of Verus — Data Link

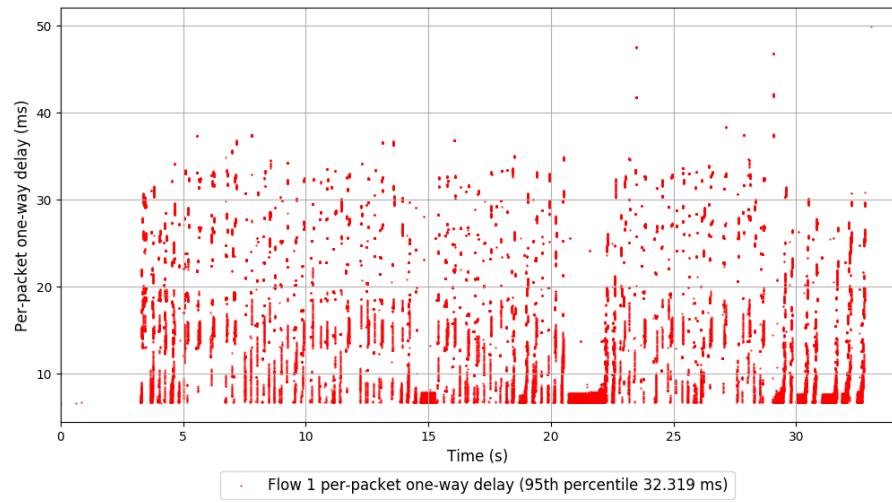
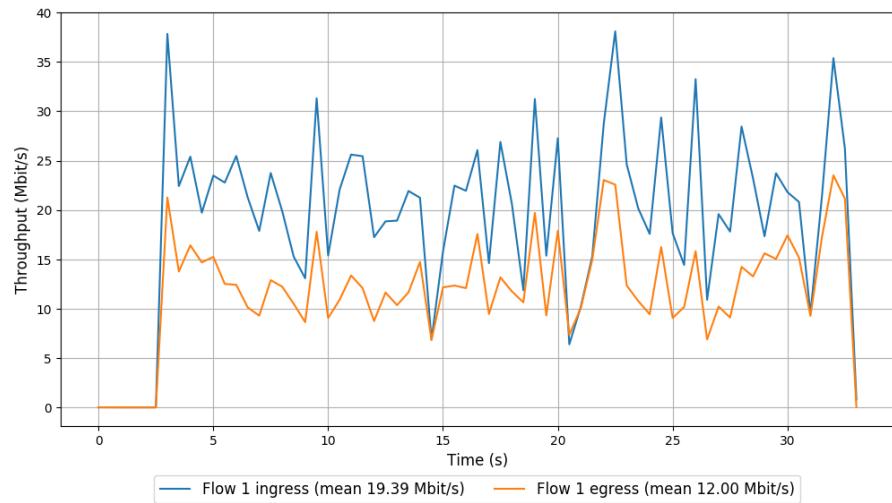


Run 2: Statistics of Verus

```
Start at: Tue, 27 Jun 2017 01:33:37 +0000
End at: Tue, 27 Jun 2017 01:34:07 +0000
Local clock offset: -4.956 ms
Remote clock offset: -0.393 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:18:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 32.319 ms
Loss rate: 38.03%
-- Flow 1:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 32.319 ms
Loss rate: 38.03%
```

Run 2: Report of Verus — Data Link

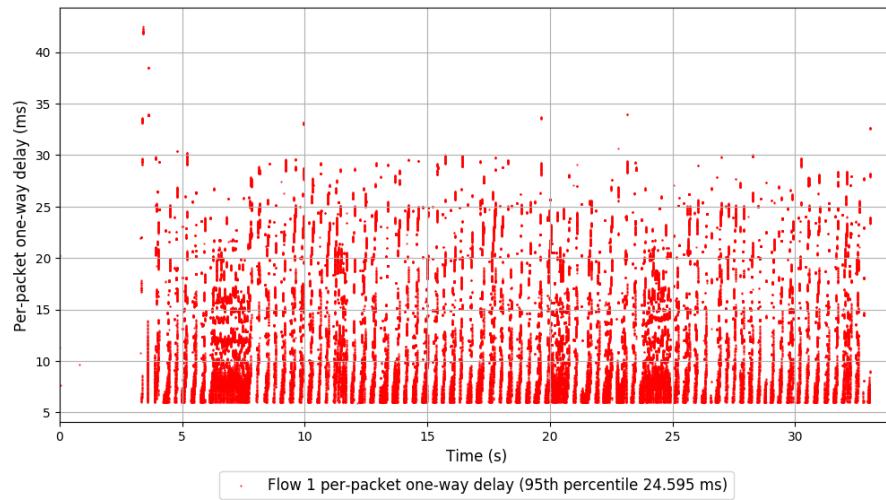
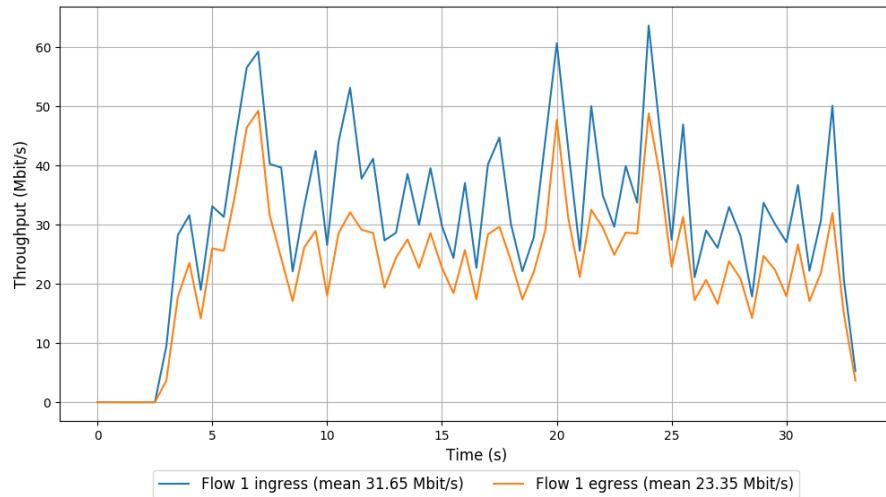


Run 3: Statistics of Verus

```
Start at: Tue, 27 Jun 2017 01:52:14 +0000
End at: Tue, 27 Jun 2017 01:52:44 +0000
Local clock offset: -4.141 ms
Remote clock offset: -0.257 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:18:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 24.595 ms
Loss rate: 26.26%
-- Flow 1:
Average throughput: 23.35 Mbit/s
95th percentile per-packet one-way delay: 24.595 ms
Loss rate: 26.26%
```

Run 3: Report of Verus — Data Link

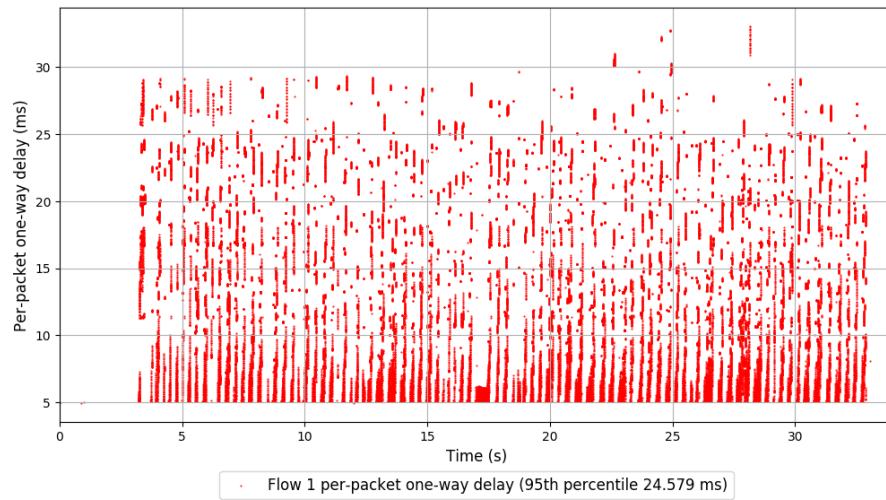
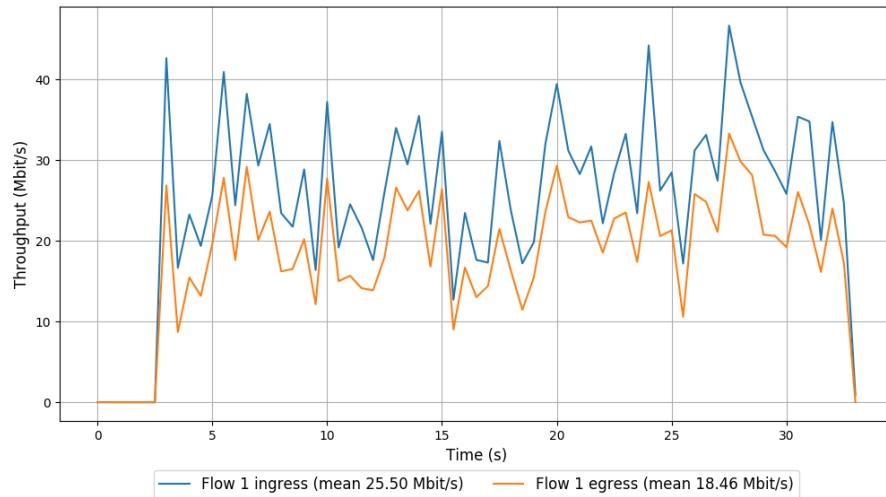


Run 4: Statistics of Verus

```
Start at: Tue, 27 Jun 2017 02:10:41 +0000
End at: Tue, 27 Jun 2017 02:11:11 +0000
Local clock offset: -3.151 ms
Remote clock offset: -0.244 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:18:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 24.579 ms
Loss rate: 27.60%
-- Flow 1:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 24.579 ms
Loss rate: 27.60%
```

Run 4: Report of Verus — Data Link

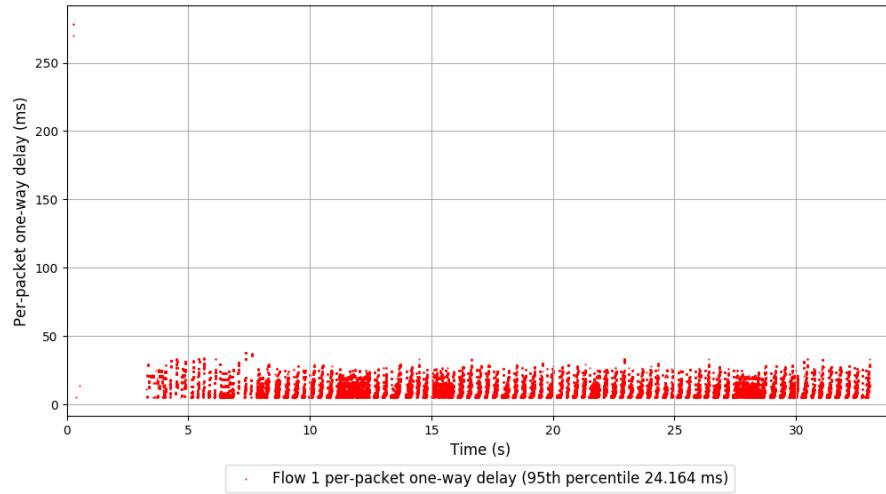
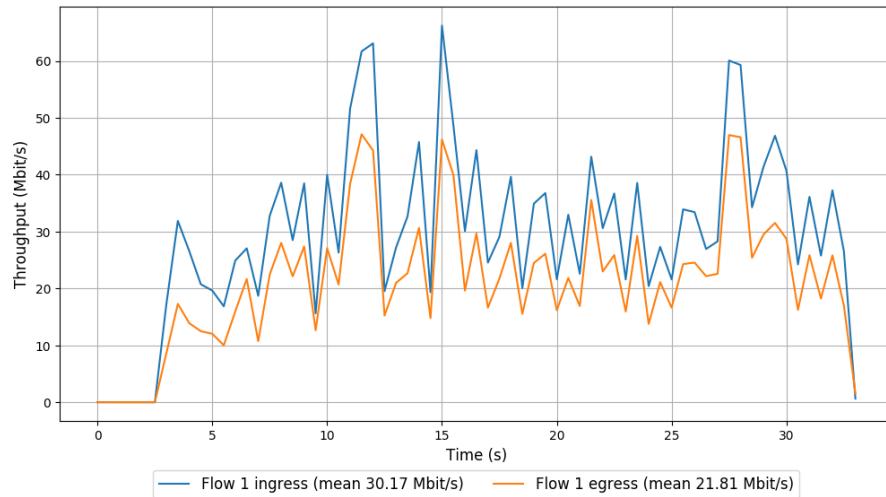


Run 5: Statistics of Verus

```
Start at: Tue, 27 Jun 2017 02:28:53 +0000
End at: Tue, 27 Jun 2017 02:29:23 +0000
Local clock offset: -2.788 ms
Remote clock offset: 0.045 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:18:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 24.164 ms
Loss rate: 28.30%
-- Flow 1:
Average throughput: 21.81 Mbit/s
95th percentile per-packet one-way delay: 24.164 ms
Loss rate: 28.30%
```

Run 5: Report of Verus — Data Link

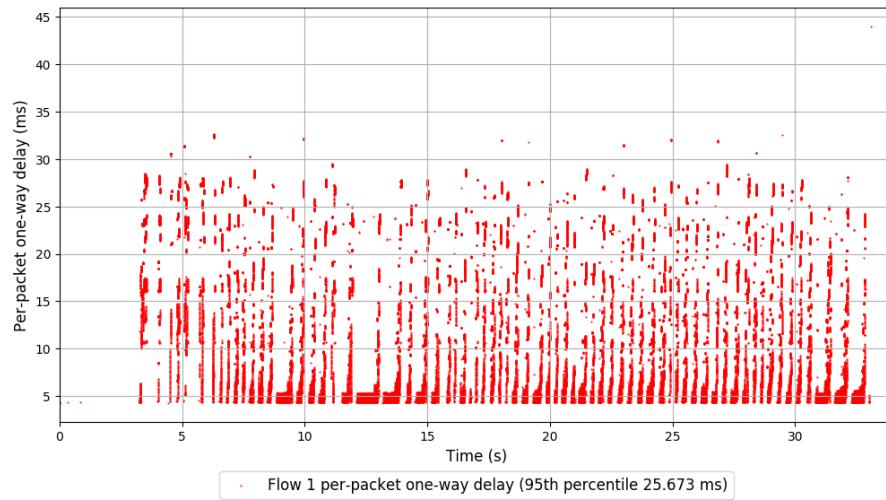
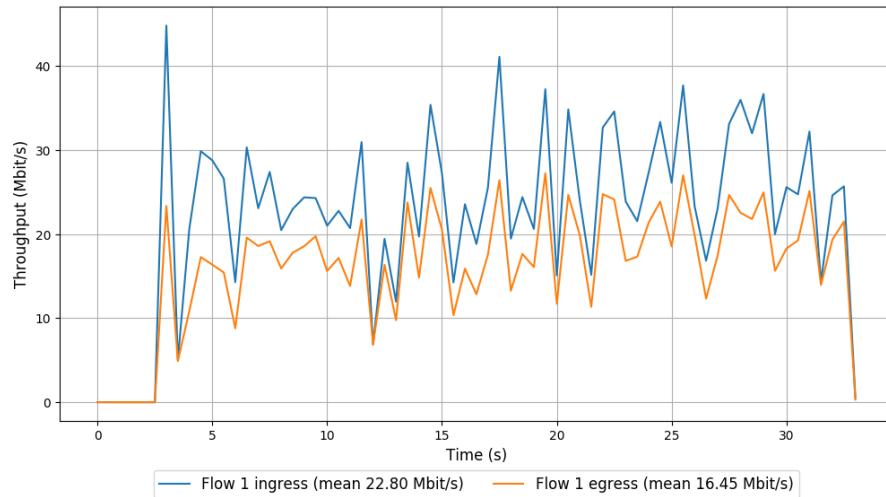


Run 6: Statistics of Verus

```
Start at: Tue, 27 Jun 2017 02:47:10 +0000
End at: Tue, 27 Jun 2017 02:47:40 +0000
Local clock offset: -2.015 ms
Remote clock offset: 0.282 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:18:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.45 Mbit/s
95th percentile per-packet one-way delay: 25.673 ms
Loss rate: 27.83%
-- Flow 1:
Average throughput: 16.45 Mbit/s
95th percentile per-packet one-way delay: 25.673 ms
Loss rate: 27.83%
```

Run 6: Report of Verus — Data Link

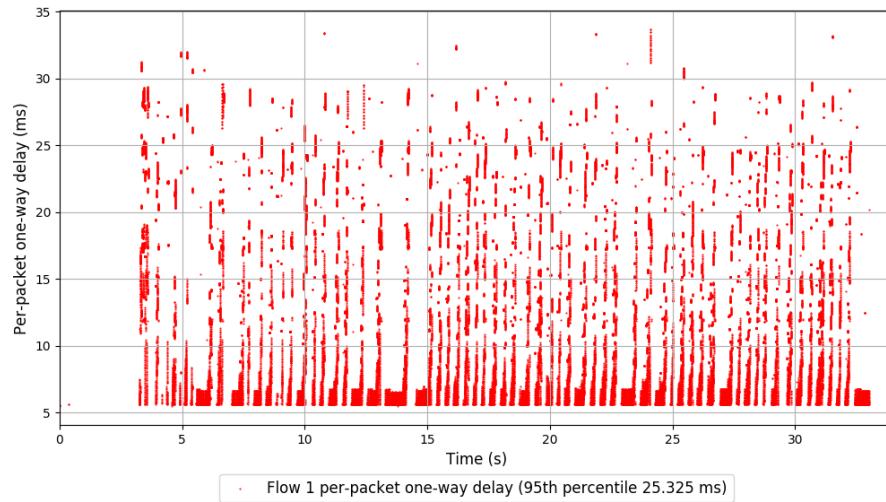
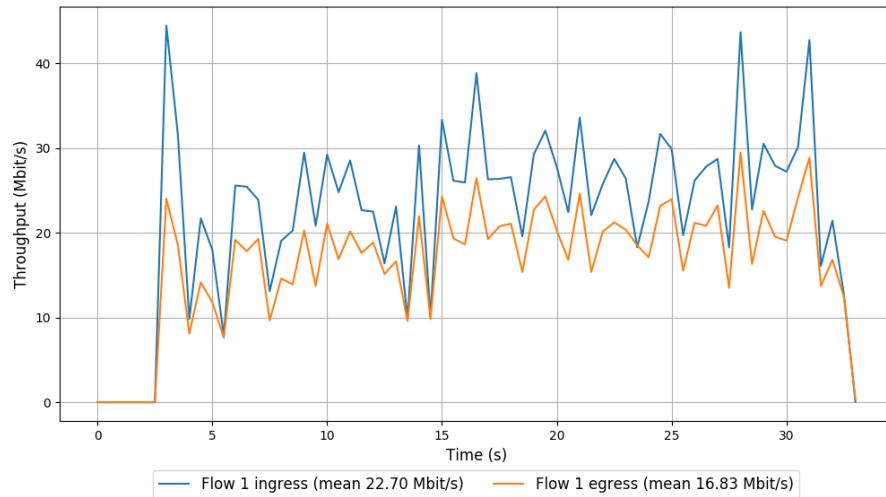


Run 7: Statistics of Verus

```
Start at: Tue, 27 Jun 2017 03:05:36 +0000
End at: Tue, 27 Jun 2017 03:06:06 +0000
Local clock offset: -3.166 ms
Remote clock offset: 0.312 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:18:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.83 Mbit/s
95th percentile per-packet one-way delay: 25.325 ms
Loss rate: 25.84%
-- Flow 1:
Average throughput: 16.83 Mbit/s
95th percentile per-packet one-way delay: 25.325 ms
Loss rate: 25.84%
```

Run 7: Report of Verus — Data Link

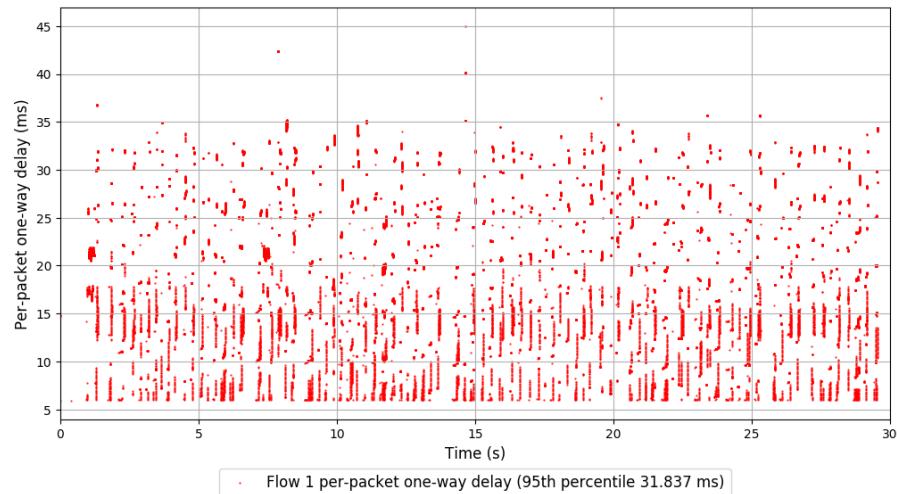
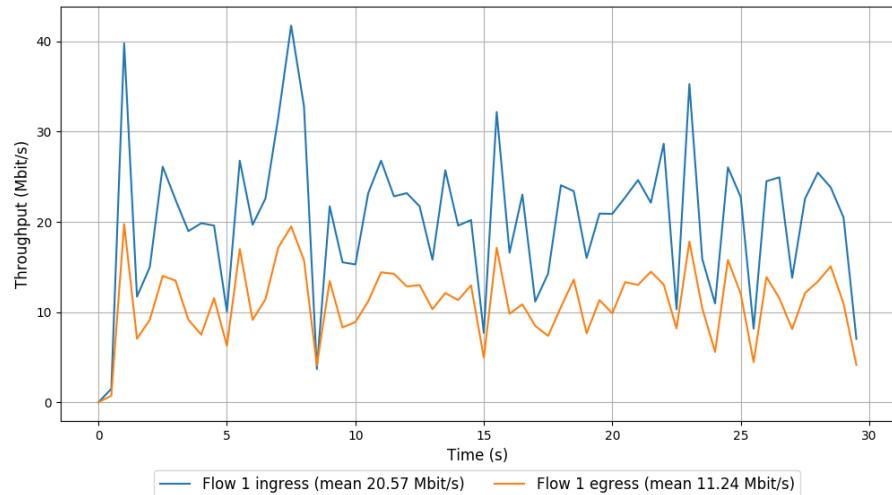


Run 8: Statistics of Verus

```
Start at: Tue, 27 Jun 2017 03:23:49 +0000
End at: Tue, 27 Jun 2017 03:24:19 +0000
Local clock offset: -3.457 ms
Remote clock offset: 0.361 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:18:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 31.837 ms
Loss rate: 45.33%
-- Flow 1:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 31.837 ms
Loss rate: 45.33%
```

Run 8: Report of Verus — Data Link

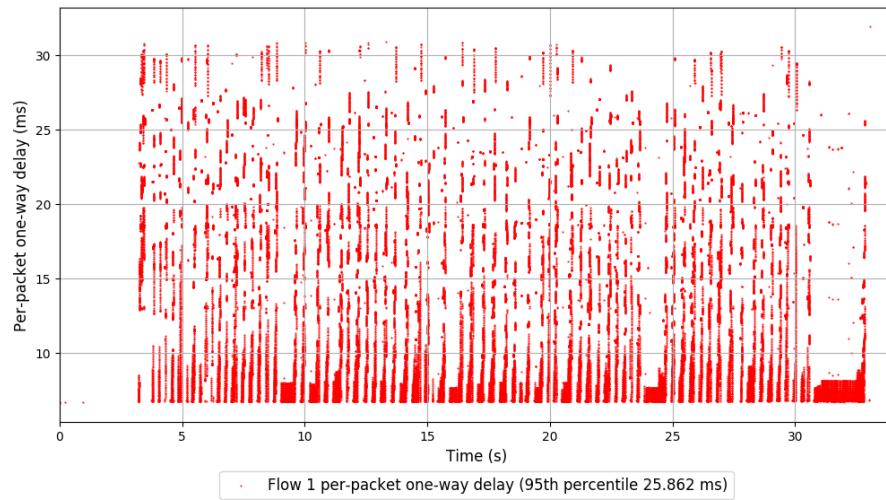
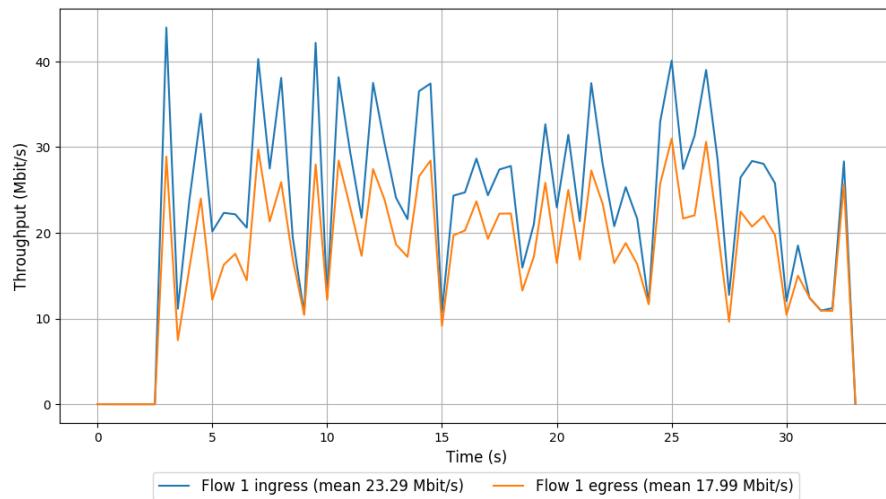


Run 9: Statistics of Verus

```
Start at: Tue, 27 Jun 2017 03:42:15 +0000
End at: Tue, 27 Jun 2017 03:42:45 +0000
Local clock offset: -4.194 ms
Remote clock offset: 0.502 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:18:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.99 Mbit/s
95th percentile per-packet one-way delay: 25.862 ms
Loss rate: 22.72%
-- Flow 1:
Average throughput: 17.99 Mbit/s
95th percentile per-packet one-way delay: 25.862 ms
Loss rate: 22.72%
```

Run 9: Report of Verus — Data Link

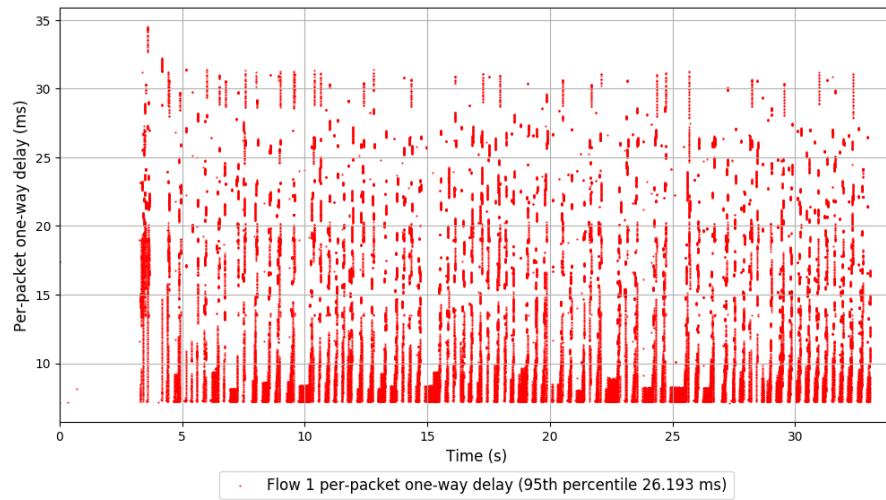
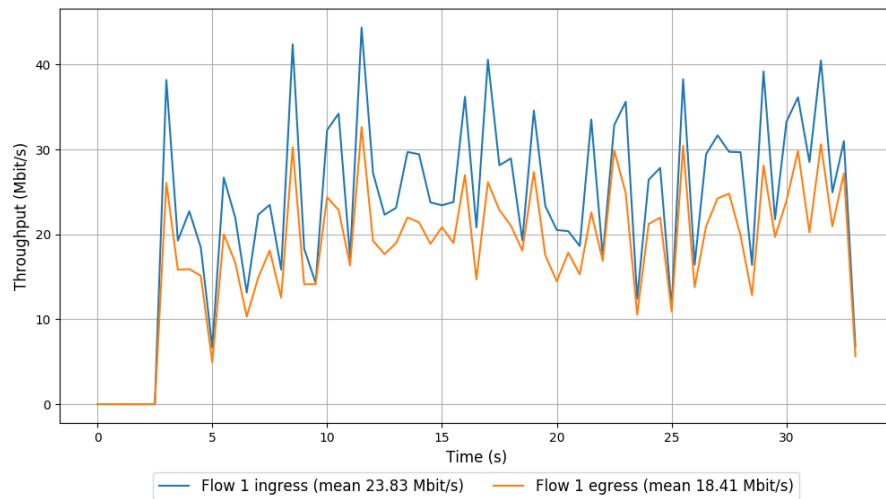


Run 10: Statistics of Verus

```
Start at: Tue, 27 Jun 2017 04:00:58 +0000
End at: Tue, 27 Jun 2017 04:01:28 +0000
Local clock offset: -4.679 ms
Remote clock offset: 0.453 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:19:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 26.193 ms
Loss rate: 22.81%
-- Flow 1:
Average throughput: 18.41 Mbit/s
95th percentile per-packet one-way delay: 26.193 ms
Loss rate: 22.81%
```

Run 10: Report of Verus — Data Link

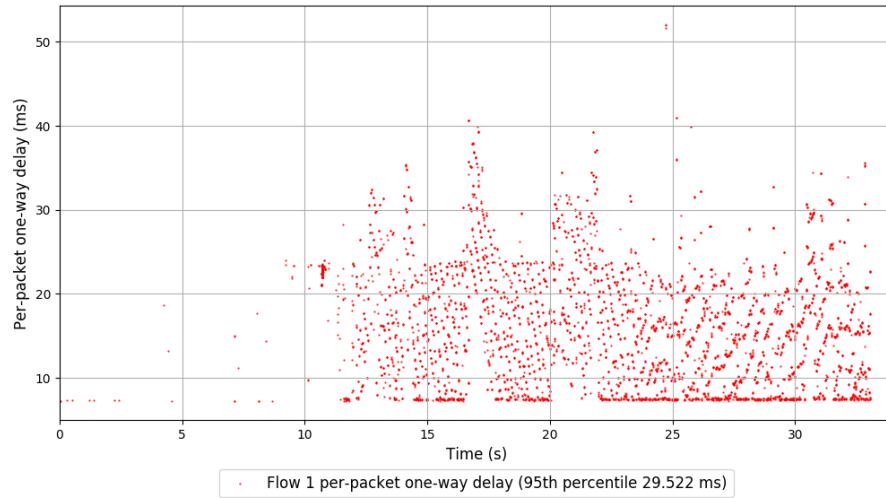
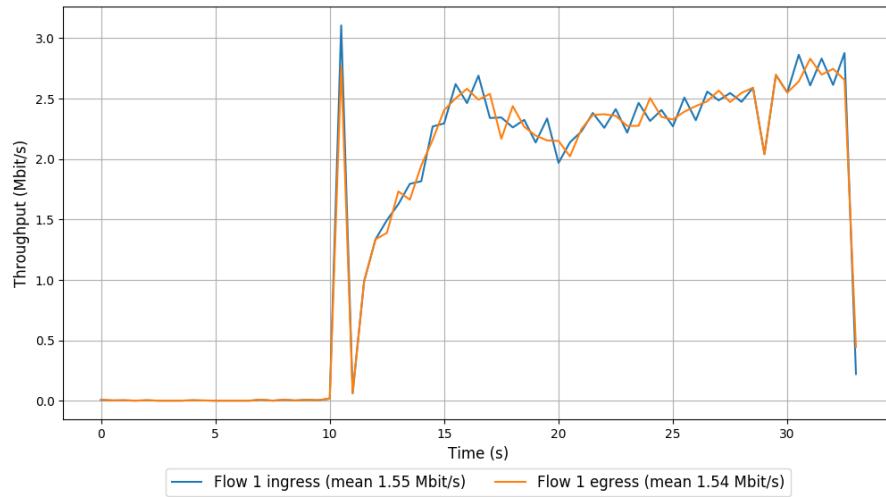


```
Run 1: Statistics of WebRTC media

Start at: Tue, 27 Jun 2017 01:10:24 +0000
End at: Tue, 27 Jun 2017 01:10:54 +0000
Local clock offset: -5.572 ms
Remote clock offset: -0.324 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:19:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 29.522 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 29.522 ms
Loss rate: 0.33%
```

Run 1: Report of WebRTC media — Data Link

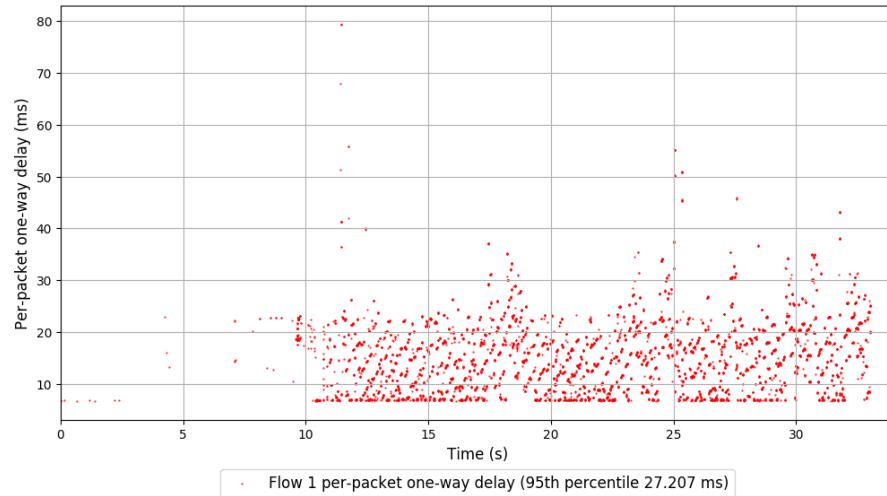
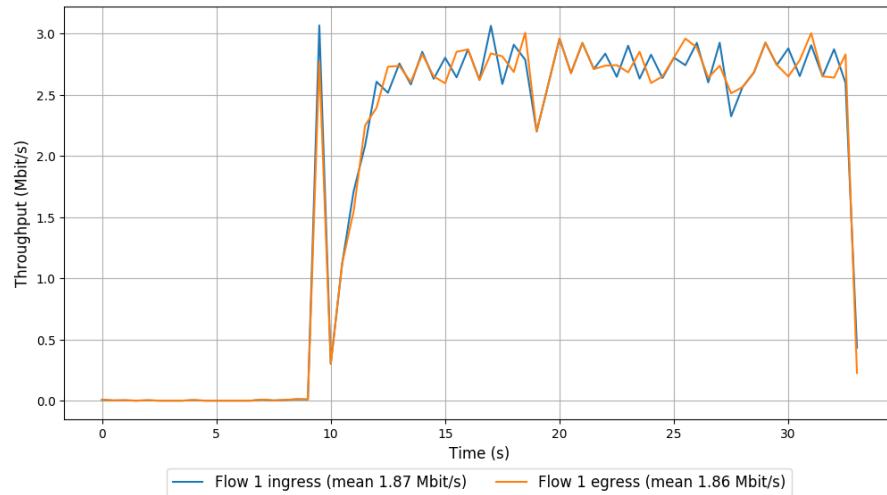


```
Run 2: Statistics of WebRTC media

Start at: Tue, 27 Jun 2017 01:28:37 +0000
End at: Tue, 27 Jun 2017 01:29:07 +0000
Local clock offset: -5.025 ms
Remote clock offset: -0.298 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:19:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 27.207 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 1.86 Mbit/s
95th percentile per-packet one-way delay: 27.207 ms
Loss rate: 0.41%
```

Run 2: Report of WebRTC media — Data Link

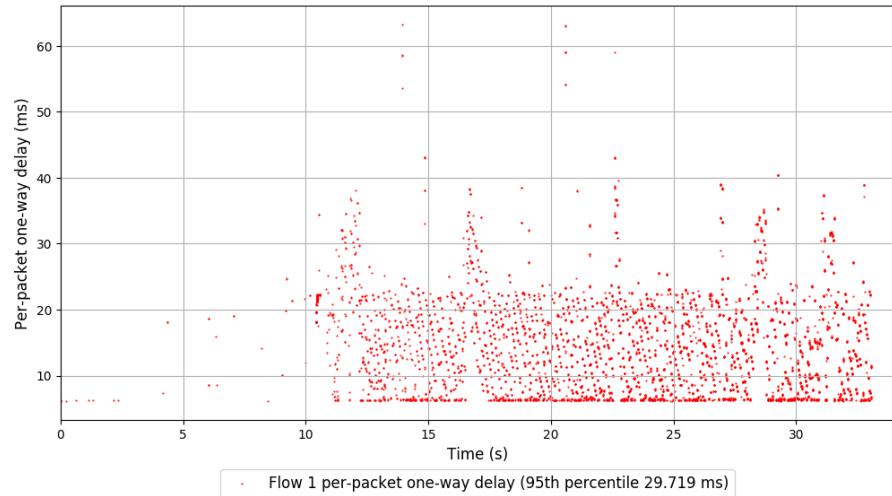
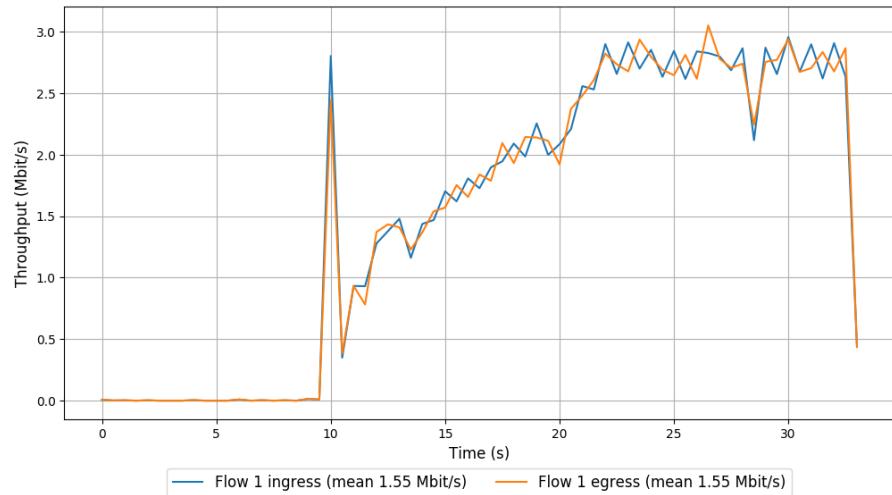


```
Run 3: Statistics of WebRTC media

Start at: Tue, 27 Jun 2017 01:47:20 +0000
End at: Tue, 27 Jun 2017 01:47:50 +0000
Local clock offset: -4.554 ms
Remote clock offset: -0.257 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:19:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 29.719 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 1.55 Mbit/s
95th percentile per-packet one-way delay: 29.719 ms
Loss rate: 0.32%
```

Run 3: Report of WebRTC media — Data Link

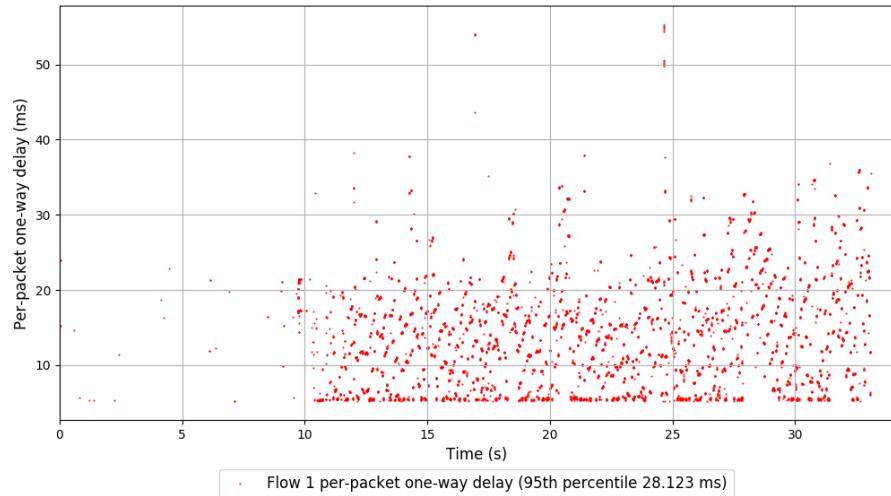
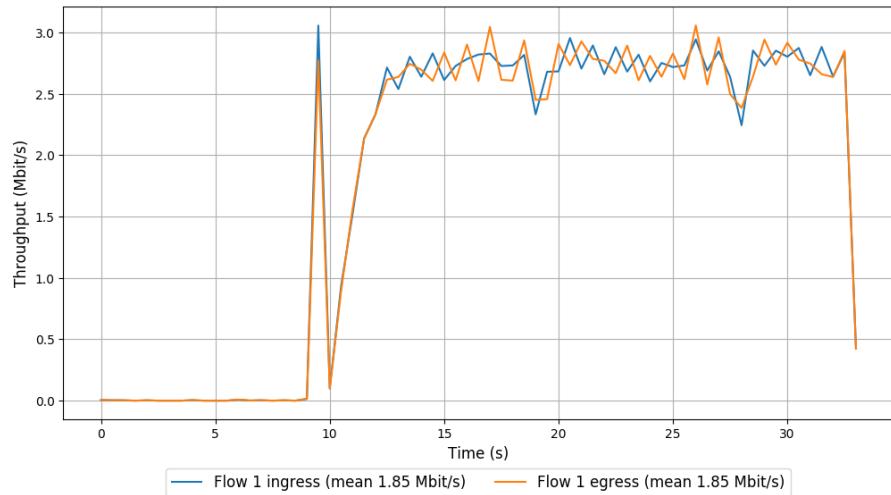


```
Run 4: Statistics of WebRTC media

Start at: Tue, 27 Jun 2017 02:05:45 +0000
End at: Tue, 27 Jun 2017 02:06:15 +0000
Local clock offset: -3.386 ms
Remote clock offset: -0.203 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:19:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 28.123 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 1.85 Mbit/s
95th percentile per-packet one-way delay: 28.123 ms
Loss rate: 0.41%
```

Run 4: Report of WebRTC media — Data Link

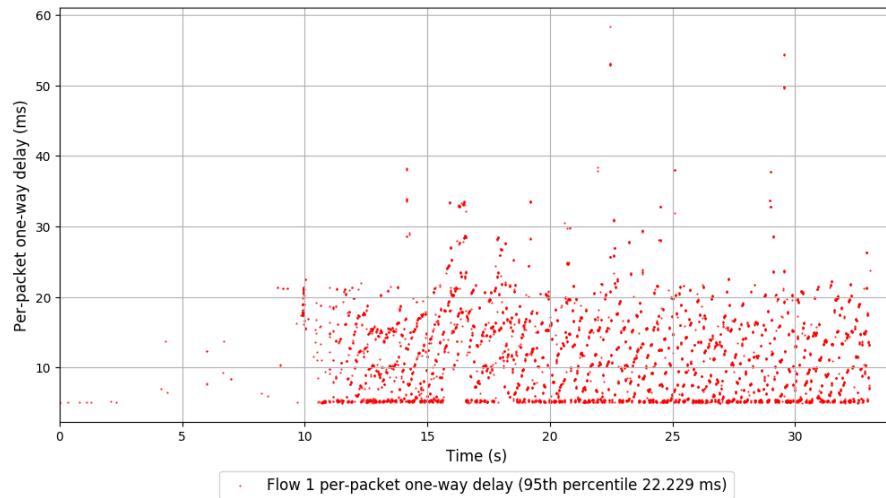
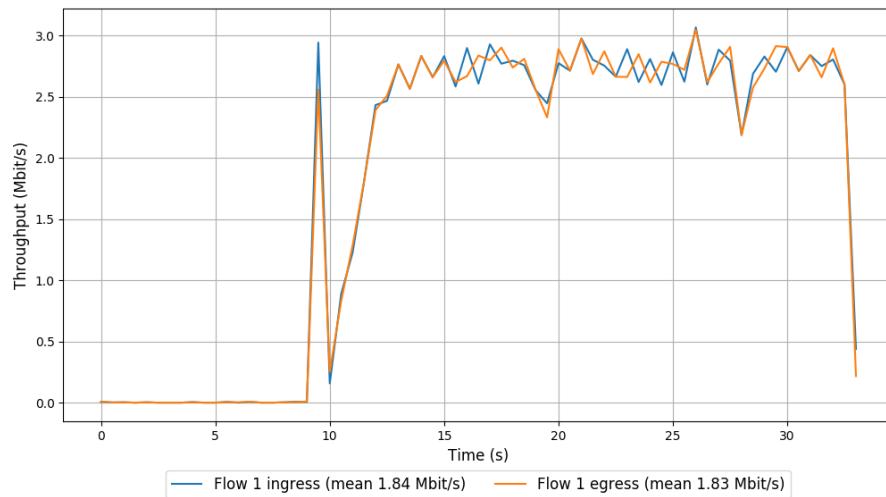


```
Run 5: Statistics of WebRTC media

Start at: Tue, 27 Jun 2017 02:24:17 +0000
End at: Tue, 27 Jun 2017 02:24:47 +0000
Local clock offset: -3.115 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:19:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 22.229 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 22.229 ms
Loss rate: 0.42%
```

Run 5: Report of WebRTC media — Data Link

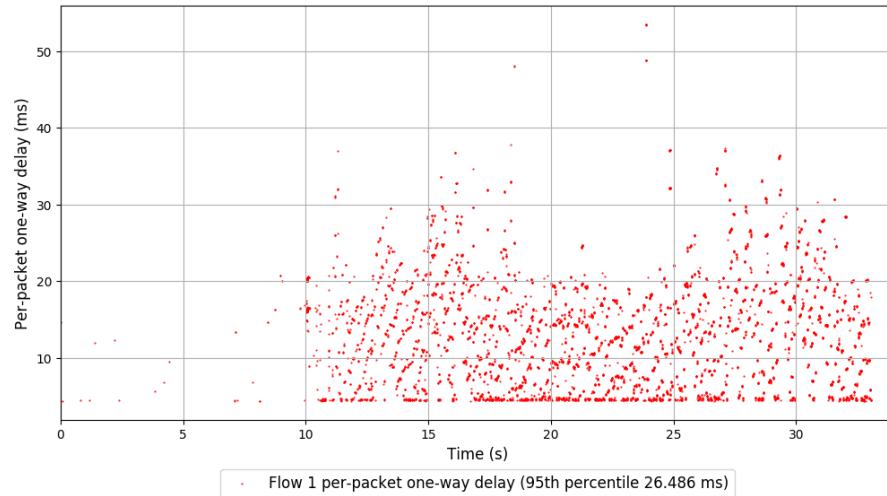
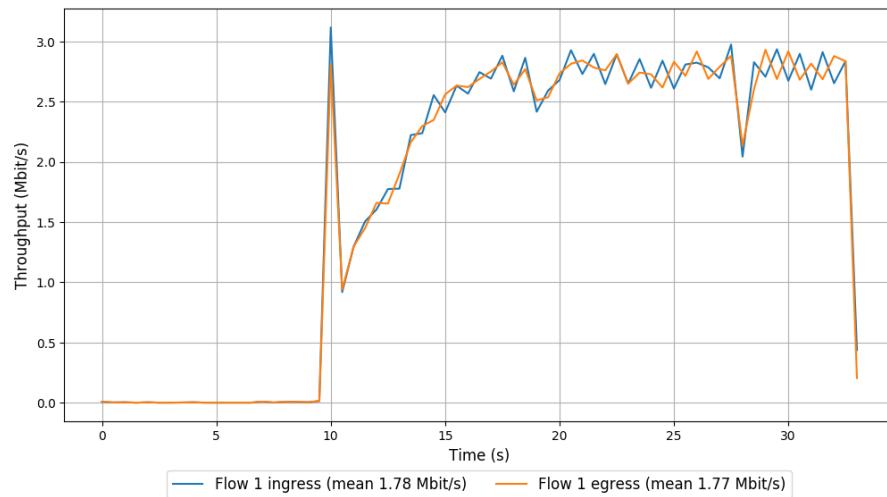


Run 6: Statistics of WebRTC media

```
Start at: Tue, 27 Jun 2017 02:42:10 +0000
End at: Tue, 27 Jun 2017 02:42:40 +0000
Local clock offset: -2.202 ms
Remote clock offset: 0.234 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:19:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 26.486 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 26.486 ms
Loss rate: 0.44%
```

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Tue, 27 Jun 2017 03:00:36 +0000

End at: Tue, 27 Jun 2017 03:01:06 +0000

Local clock offset: -2.986 ms

Remote clock offset: 0.35 ms

Below is generated by plot.py at Tue, 27 Jun 2017 07:19:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 31.650 ms

Loss rate: 0.33%

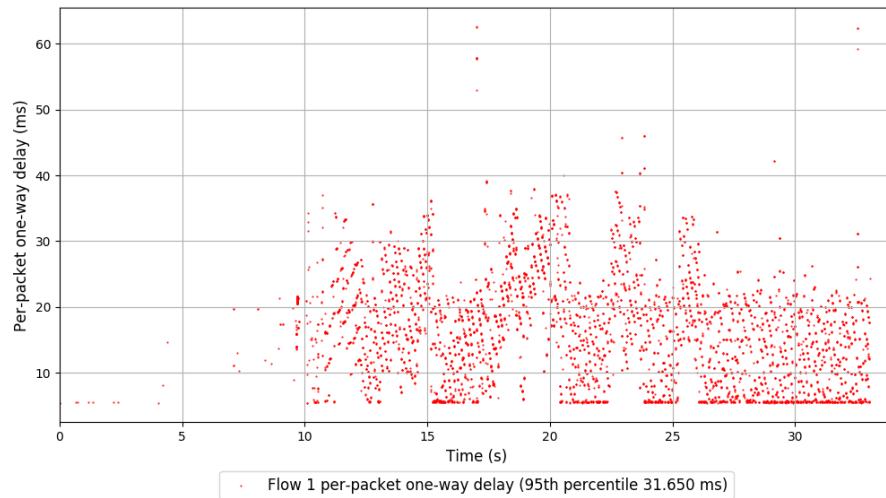
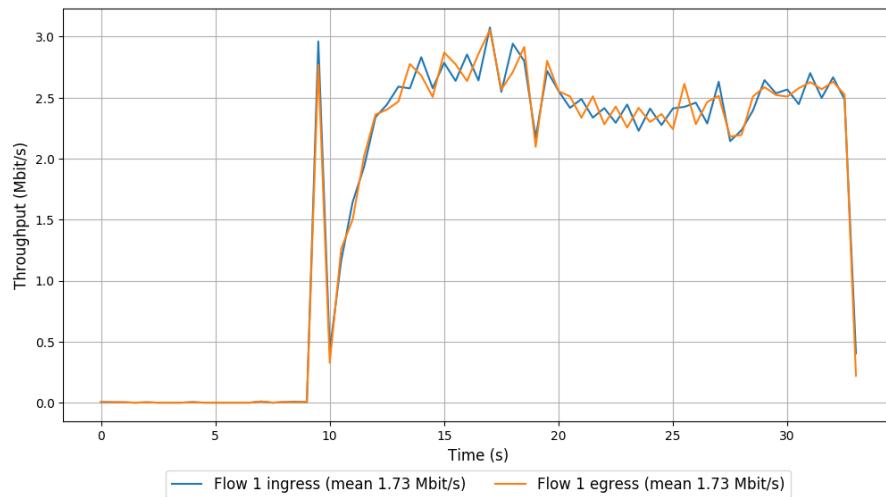
-- Flow 1:

Average throughput: 1.73 Mbit/s

95th percentile per-packet one-way delay: 31.650 ms

Loss rate: 0.33%

Run 7: Report of WebRTC media — Data Link

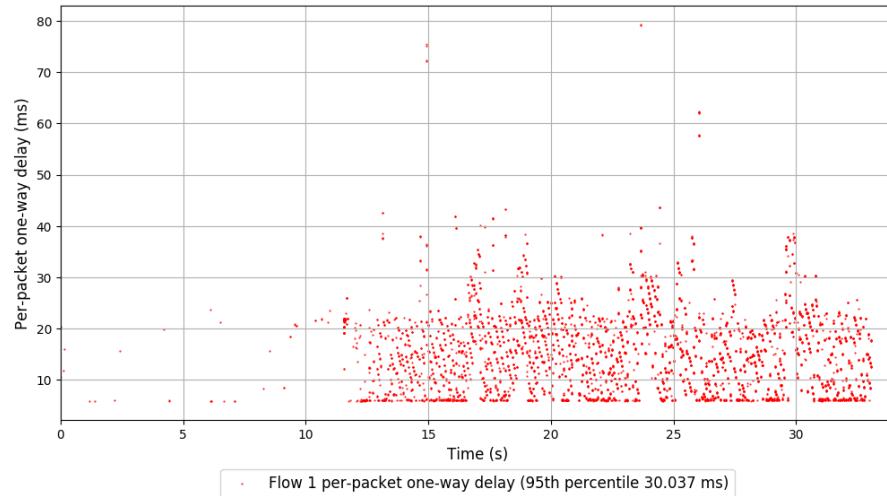
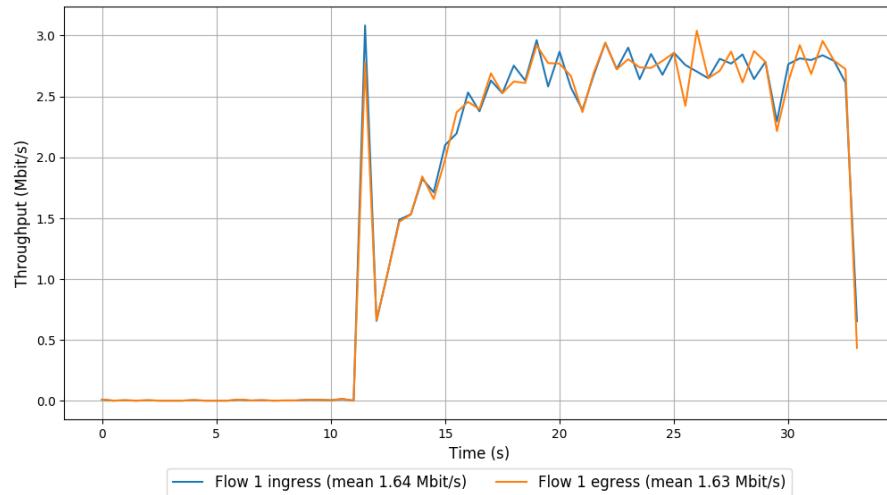


```
Run 8: Statistics of WebRTC media

Start at: Tue, 27 Jun 2017 03:19:11 +0000
End at: Tue, 27 Jun 2017 03:19:41 +0000
Local clock offset: -3.377 ms
Remote clock offset: 0.402 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:19:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 30.037 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 30.037 ms
Loss rate: 0.48%
```

Run 8: Report of WebRTC media — Data Link

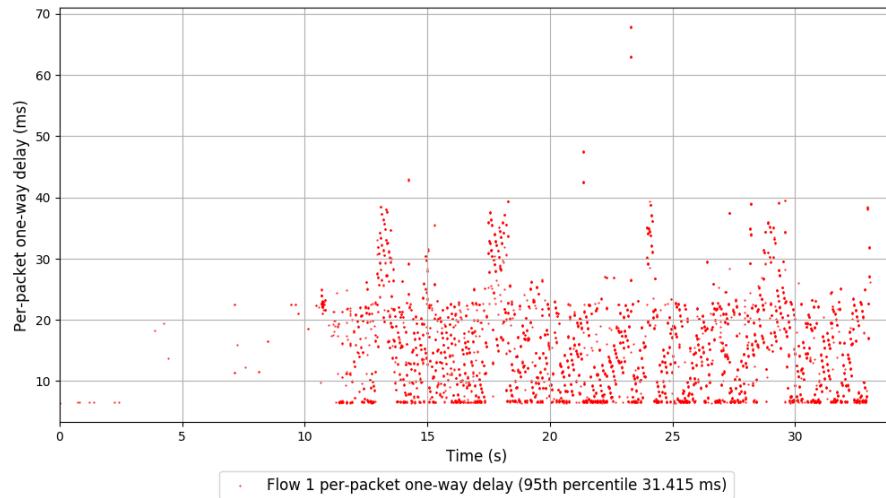
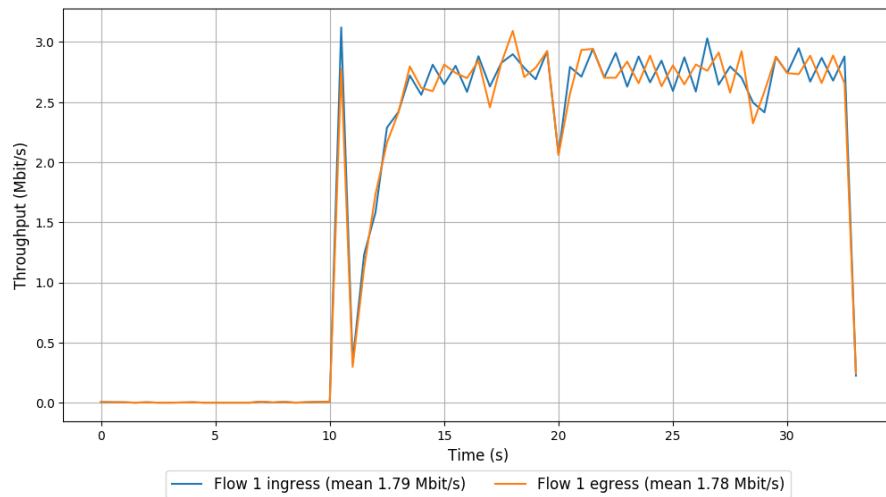


```
Run 9: Statistics of WebRTC media

Start at: Tue, 27 Jun 2017 03:37:28 +0000
End at: Tue, 27 Jun 2017 03:37:58 +0000
Local clock offset: -3.898 ms
Remote clock offset: 0.467 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:19:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 31.415 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 1.78 Mbit/s
95th percentile per-packet one-way delay: 31.415 ms
Loss rate: 0.47%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media

Start at: Tue, 27 Jun 2017 03:56:01 +0000
End at: Tue, 27 Jun 2017 03:56:31 +0000
Local clock offset: -4.618 ms
Remote clock offset: 0.491 ms

# Below is generated by plot.py at Tue, 27 Jun 2017 07:19:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 25.586 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 25.586 ms
Loss rate: 0.44%
```

Run 10: Report of WebRTC media — Data Link

