

Pantheon Summary (Generated at Wed, 14 Jun 2017 11:52:14 +0000 with
pantheon version 0502c2c57571426cde66b34b88203c82b91e4e5c)

Repeated the test of 15 congestion control schemes 10 times.

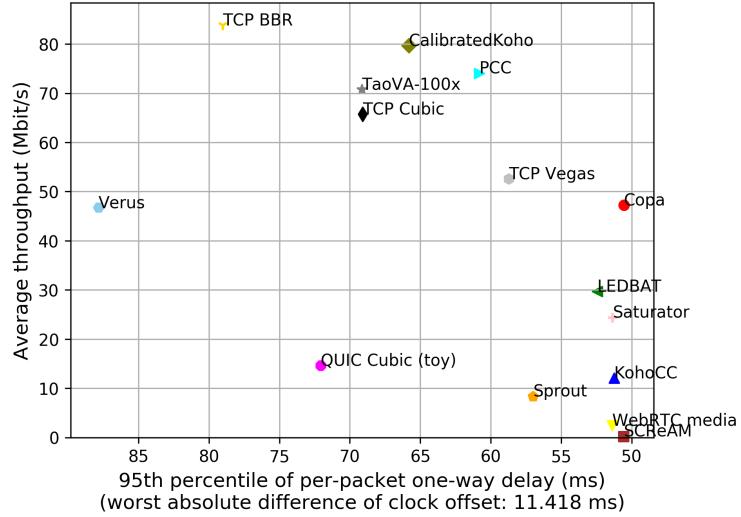
Each test lasted for 30 seconds running 1 flow.

Data path **from** AWS California 2 Ethernet **to** Mexico Ethernet.

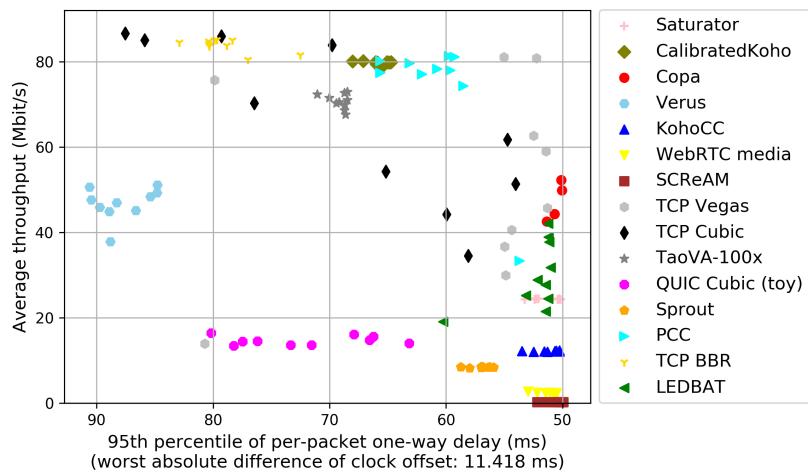
NTP offset measured against time.stanford.edu.

```
git branch: master @ 0502c2c57571426cde66b34b88203c82b91e4e5c
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ 4893799ab83a43fa2d3236507d168f461e1243ed
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efef6e088d91066a9f023df375eee2665089ce
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

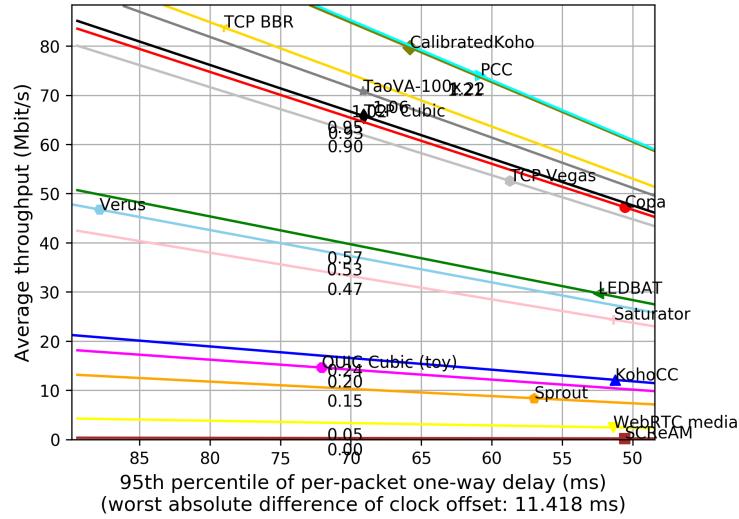
test from AWS California 2 Ethernet to Mexico Ethernet, runs 10 of 30s each per scheme
mean of all runs by scheme



test from AWS California 2 Ethernet to Mexico Ethernet, runs 10 of 30s each per scheme



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

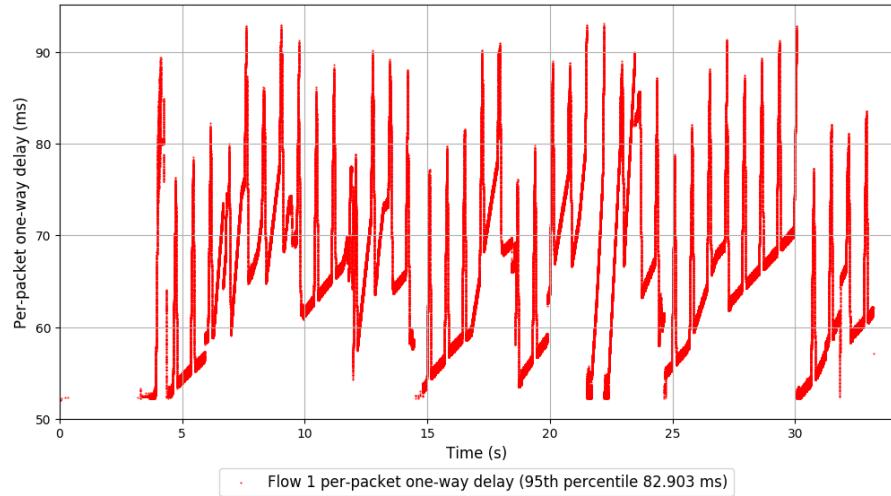
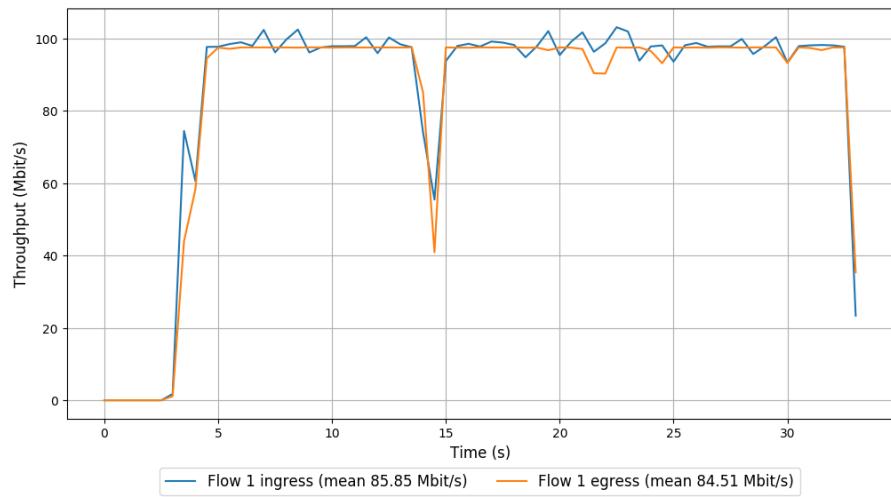


Run 1: Statistics of TCP BBR

```
Start at: Wed, 14 Jun 2017 04:40:20 +0000
End at: Wed, 14 Jun 2017 04:40:51 +0000
Local clock offset: 1.382 ms
Remote clock offset: -2.348 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:43:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 82.903 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 84.51 Mbit/s
95th percentile per-packet one-way delay: 82.903 ms
Loss rate: 1.55%
```

Run 1: Report of TCP BBR — Data Link

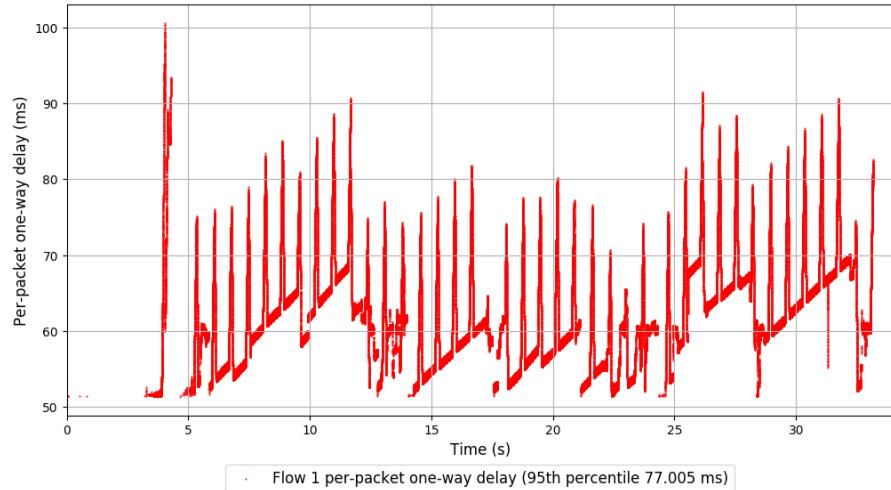
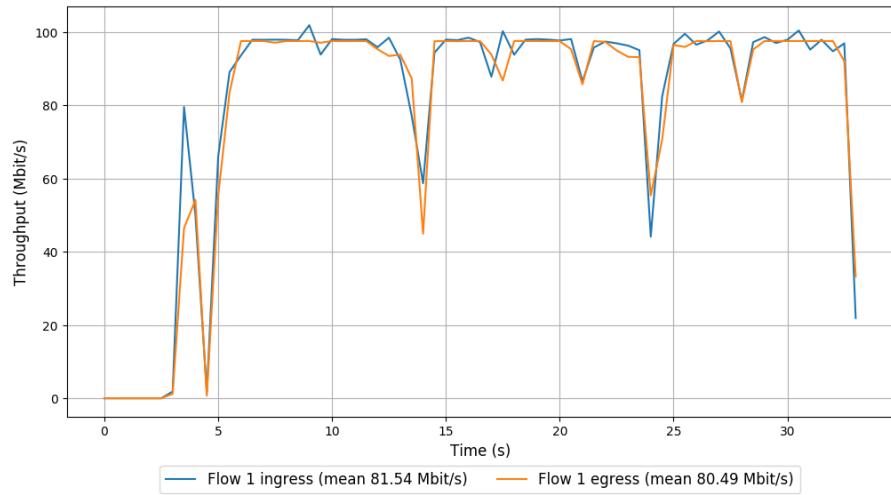


Run 2: Statistics of TCP BBR

```
Start at: Wed, 14 Jun 2017 04:59:59 +0000
End at: Wed, 14 Jun 2017 05:00:29 +0000
Local clock offset: 0.76 ms
Remote clock offset: -2.553 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:43:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.49 Mbit/s
95th percentile per-packet one-way delay: 77.005 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 80.49 Mbit/s
95th percentile per-packet one-way delay: 77.005 ms
Loss rate: 1.23%
```

Run 2: Report of TCP BBR — Data Link

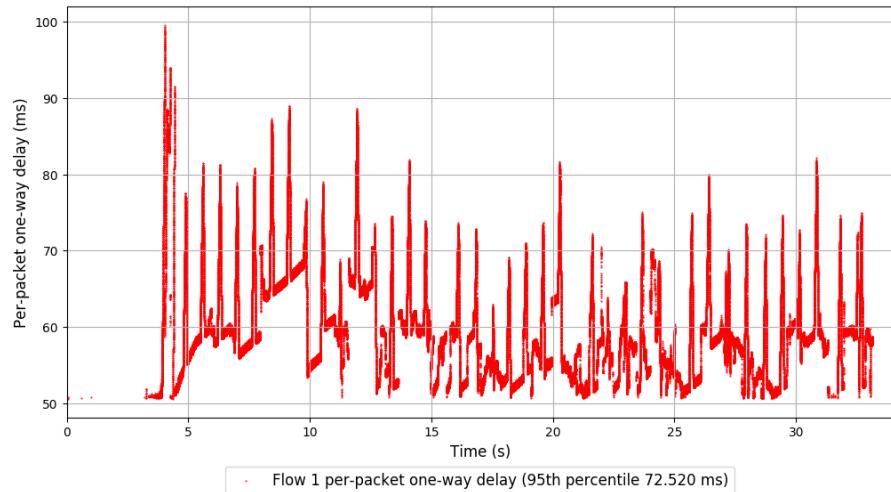
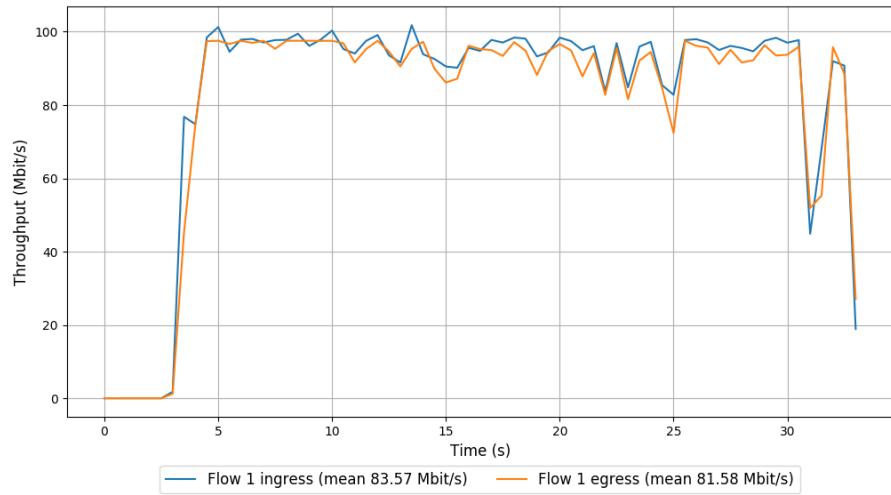


Run 3: Statistics of TCP BBR

```
Start at: Wed, 14 Jun 2017 05:19:49 +0000
End at: Wed, 14 Jun 2017 05:20:19 +0000
Local clock offset: 0.194 ms
Remote clock offset: -1.767 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:43:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 72.520 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 72.520 ms
Loss rate: 2.40%
```

Run 3: Report of TCP BBR — Data Link

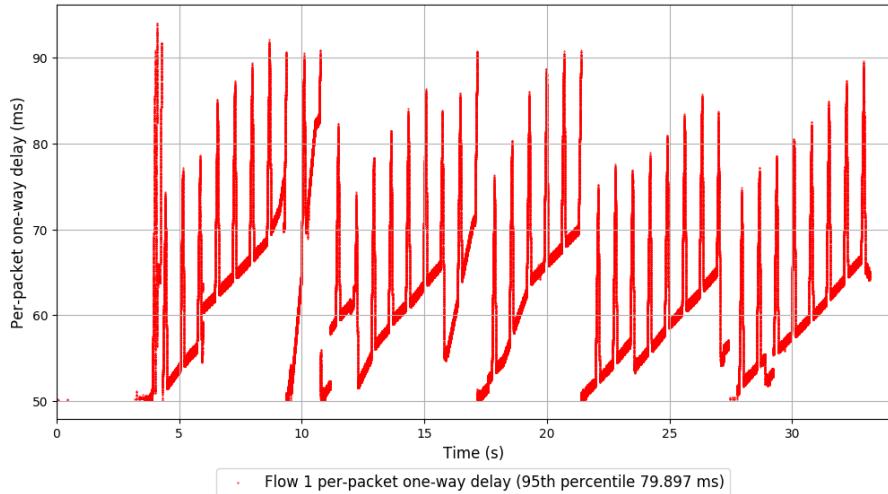
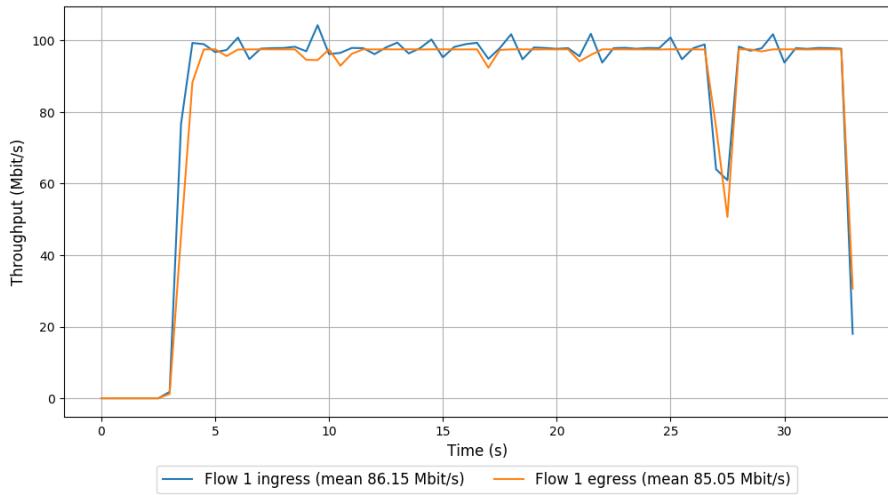


Run 4: Statistics of TCP BBR

```
Start at: Wed, 14 Jun 2017 05:39:28 +0000
End at: Wed, 14 Jun 2017 05:39:58 +0000
Local clock offset: -0.192 ms
Remote clock offset: -3.766 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:43:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 79.897 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 79.897 ms
Loss rate: 1.25%
```

Run 4: Report of TCP BBR — Data Link

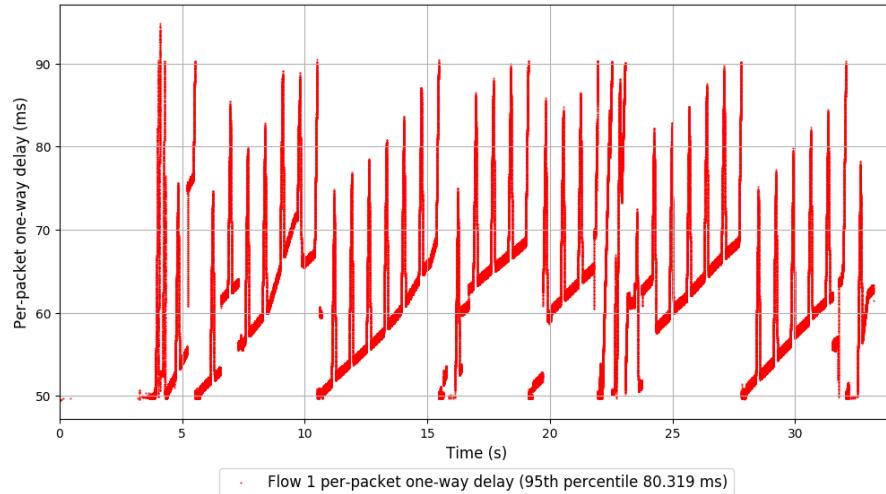
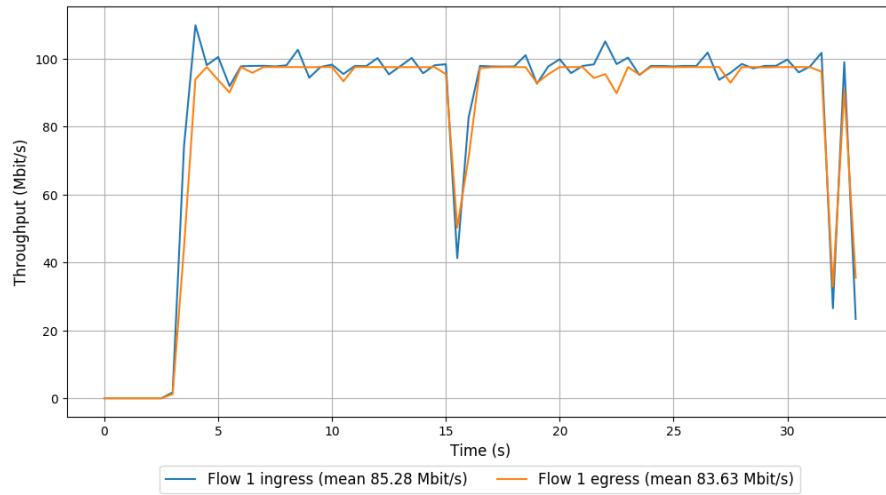


Run 5: Statistics of TCP BBR

```
Start at: Wed, 14 Jun 2017 05:59:03 +0000
End at: Wed, 14 Jun 2017 05:59:34 +0000
Local clock offset: -0.507 ms
Remote clock offset: -1.61 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:43:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.63 Mbit/s
95th percentile per-packet one-way delay: 80.319 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 83.63 Mbit/s
95th percentile per-packet one-way delay: 80.319 ms
Loss rate: 1.90%
```

Run 5: Report of TCP BBR — Data Link

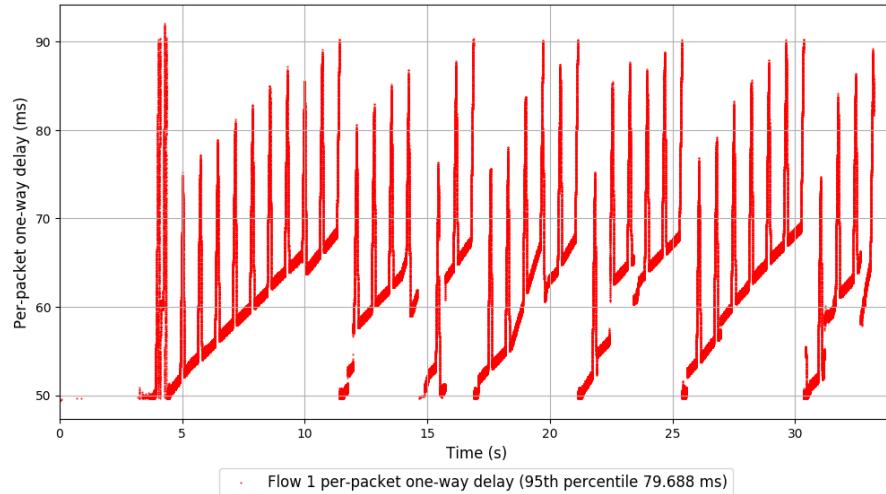
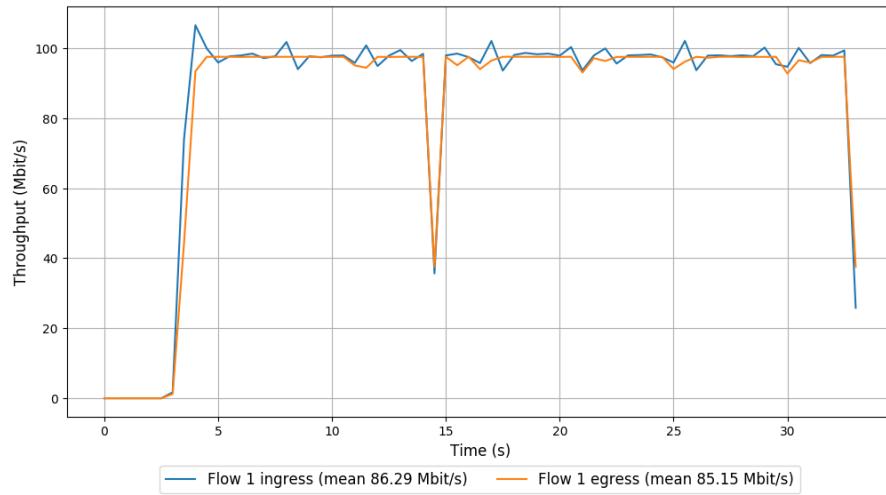


Run 6: Statistics of TCP BBR

```
Start at: Wed, 14 Jun 2017 06:18:47 +0000
End at: Wed, 14 Jun 2017 06:19:17 +0000
Local clock offset: -0.711 ms
Remote clock offset: -3.858 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:43:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.15 Mbit/s
95th percentile per-packet one-way delay: 79.688 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 85.15 Mbit/s
95th percentile per-packet one-way delay: 79.688 ms
Loss rate: 1.26%
```

Run 6: Report of TCP BBR — Data Link

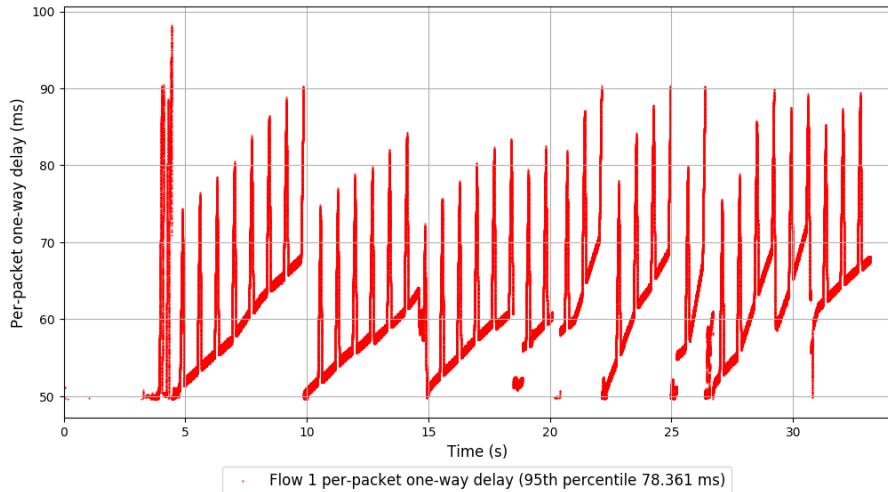
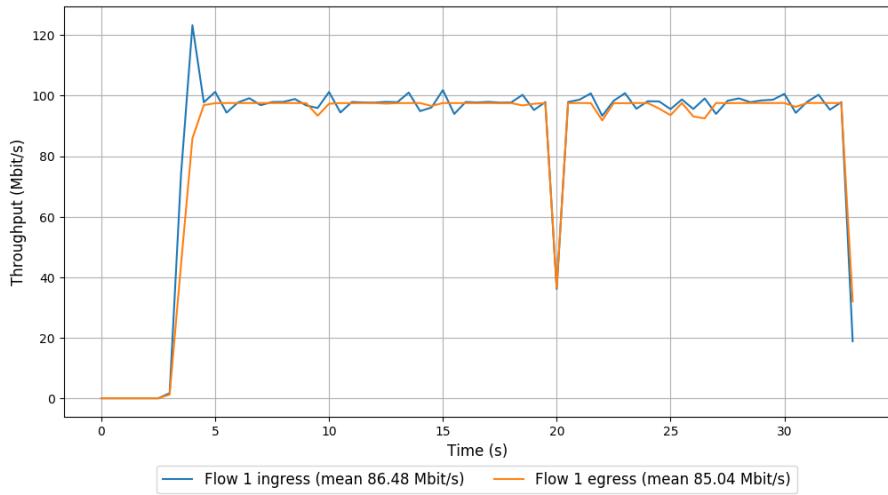


Run 7: Statistics of TCP BBR

```
Start at: Wed, 14 Jun 2017 06:38:28 +0000
End at: Wed, 14 Jun 2017 06:38:58 +0000
Local clock offset: -0.592 ms
Remote clock offset: -2.002 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:43:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 78.361 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 85.04 Mbit/s
95th percentile per-packet one-way delay: 78.361 ms
Loss rate: 1.63%
```

Run 7: Report of TCP BBR — Data Link

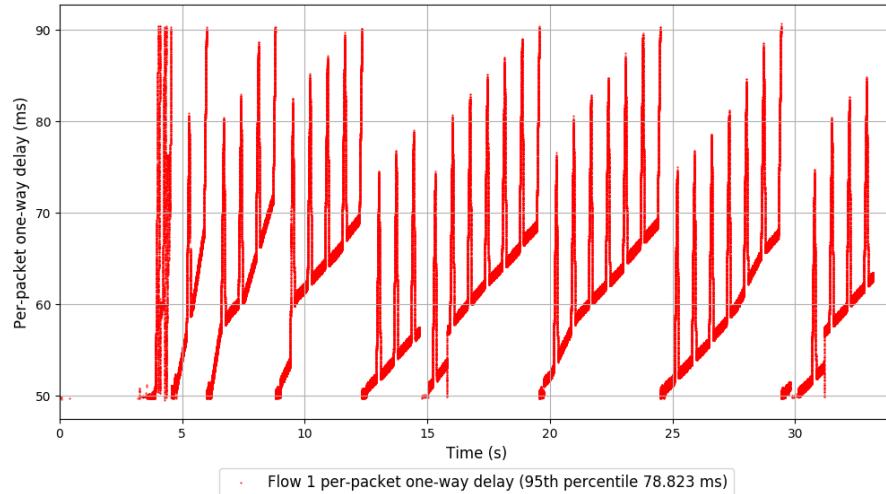
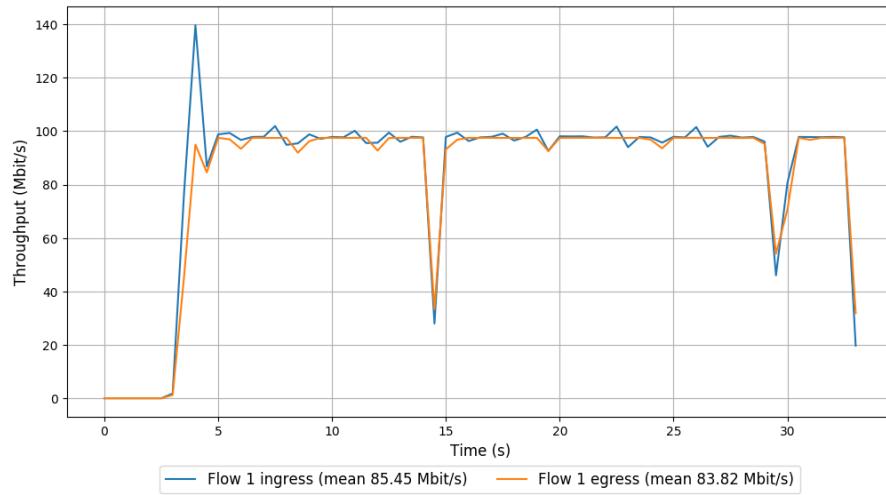


Run 8: Statistics of TCP BBR

```
Start at: Wed, 14 Jun 2017 06:58:12 +0000
End at: Wed, 14 Jun 2017 06:58:42 +0000
Local clock offset: -0.586 ms
Remote clock offset: -11.089 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:43:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.82 Mbit/s
95th percentile per-packet one-way delay: 78.823 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 83.82 Mbit/s
95th percentile per-packet one-way delay: 78.823 ms
Loss rate: 1.88%
```

Run 8: Report of TCP BBR — Data Link

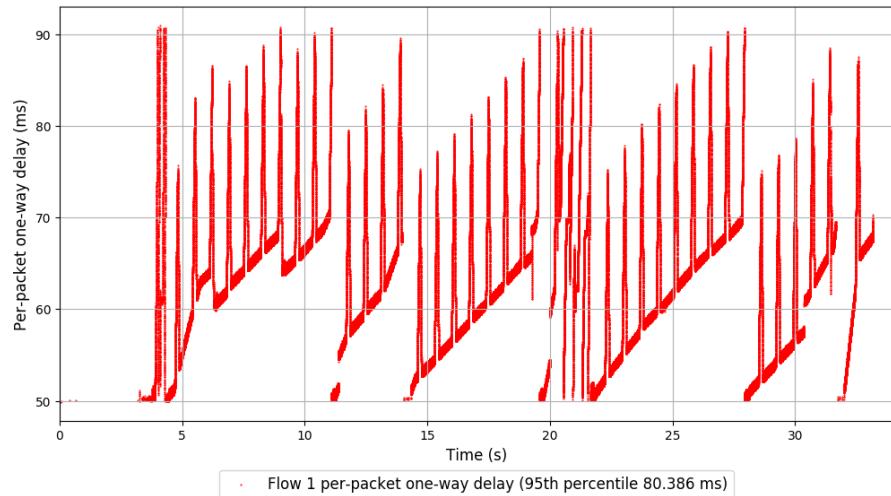
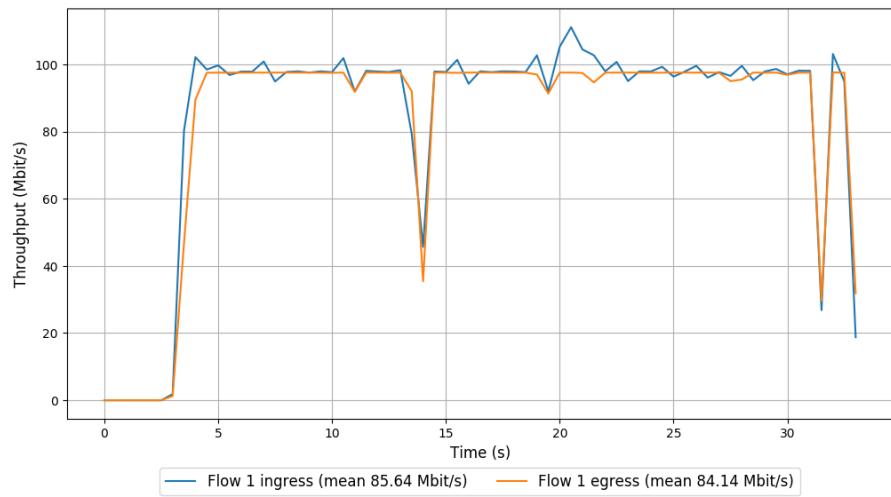


Run 9: Statistics of TCP BBR

```
Start at: Wed, 14 Jun 2017 07:17:53 +0000
End at: Wed, 14 Jun 2017 07:18:23 +0000
Local clock offset: -0.333 ms
Remote clock offset: -9.552 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:44:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 80.386 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 84.14 Mbit/s
95th percentile per-packet one-way delay: 80.386 ms
Loss rate: 1.71%
```

Run 9: Report of TCP BBR — Data Link

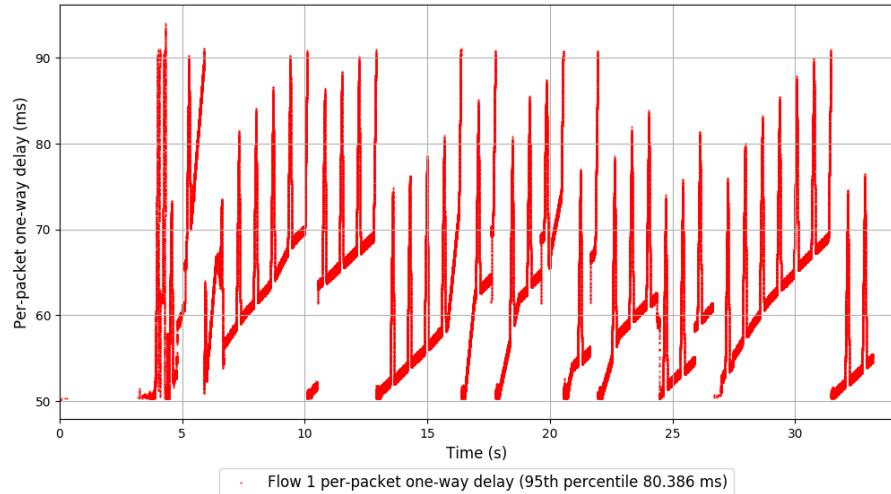
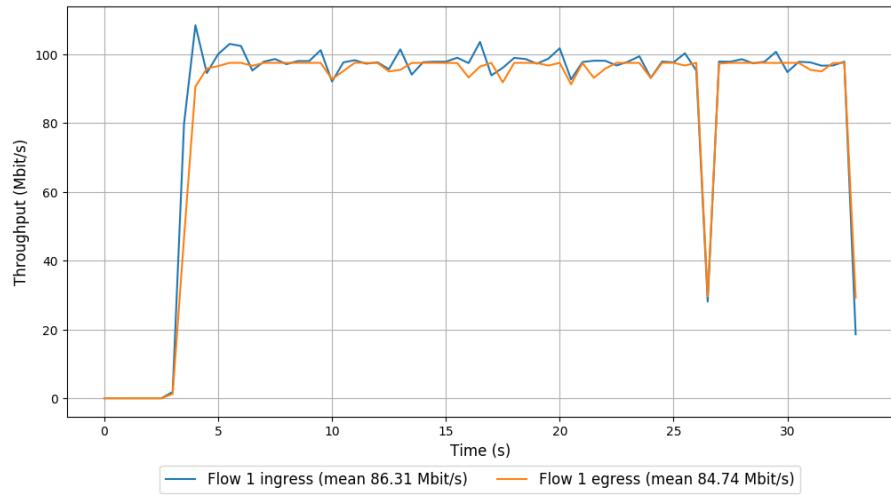


Run 10: Statistics of TCP BBR

```
Start at: Wed, 14 Jun 2017 07:37:37 +0000
End at: Wed, 14 Jun 2017 07:38:07 +0000
Local clock offset: -0.041 ms
Remote clock offset: -9.13 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:44:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.74 Mbit/s
95th percentile per-packet one-way delay: 80.386 ms
Loss rate: 1.82%
-- Flow 1:
Average throughput: 84.74 Mbit/s
95th percentile per-packet one-way delay: 80.386 ms
Loss rate: 1.82%
```

Run 10: Report of TCP BBR — Data Link



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

```
Start at: Wed, 14 Jun 2017 04:44:16 +0000
```

```
End at: Wed, 14 Jun 2017 04:44:46 +0000
```

```
Local clock offset: 1.212 ms
```

```
Remote clock offset: -2.642 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:44:16 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 80.04 Mbit/s
```

```
95th percentile per-packet one-way delay: 68.032 ms
```

```
Loss rate: 0.07%
```

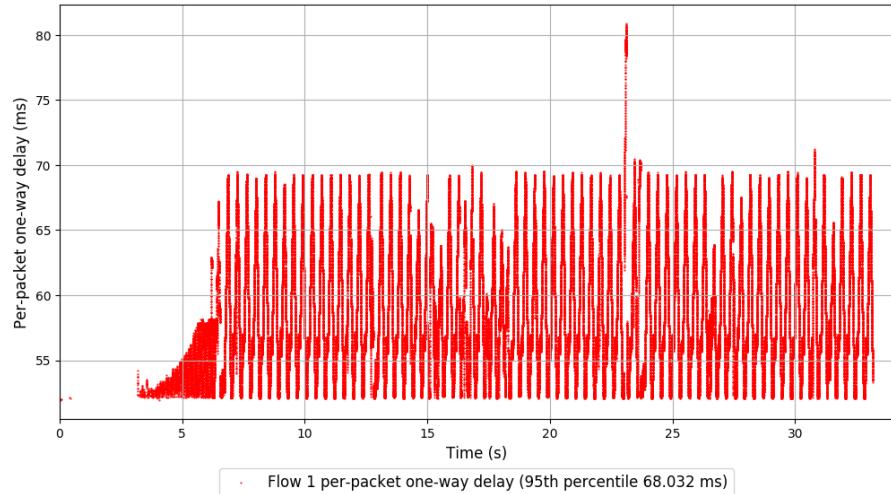
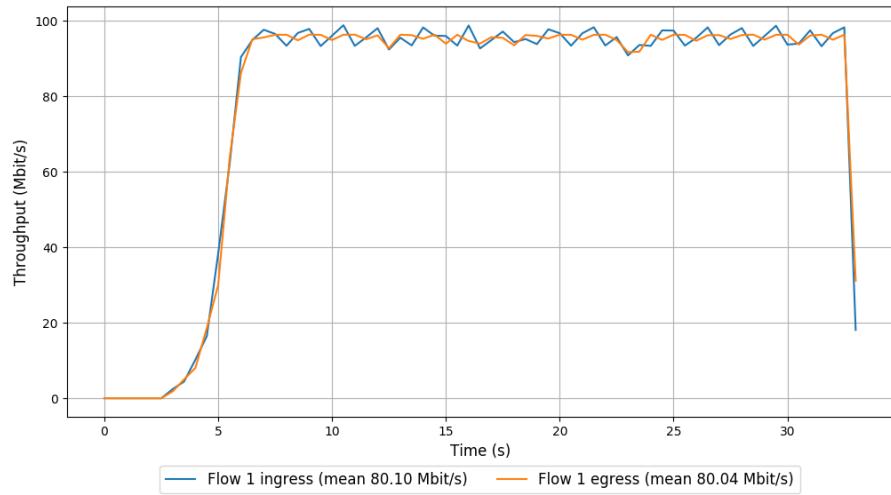
```
-- Flow 1:
```

```
Average throughput: 80.04 Mbit/s
```

```
95th percentile per-packet one-way delay: 68.032 ms
```

```
Loss rate: 0.07%
```

Run 1: Report of CalibratedKoho — Data Link



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

```
Start at: Wed, 14 Jun 2017 05:03:55 +0000
```

```
End at: Wed, 14 Jun 2017 05:04:25 +0000
```

```
Local clock offset: 0.64 ms
```

```
Remote clock offset: -4.141 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:44:16 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 80.13 Mbit/s
```

```
95th percentile per-packet one-way delay: 67.118 ms
```

```
Loss rate: 0.02%
```

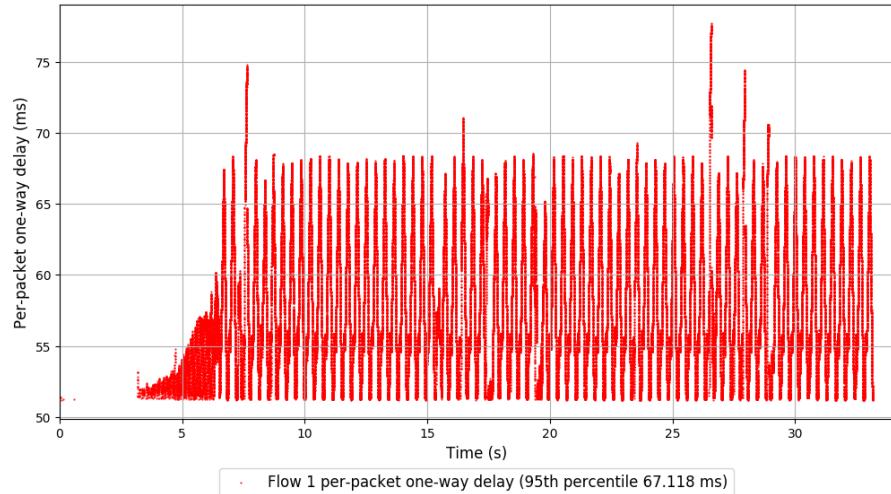
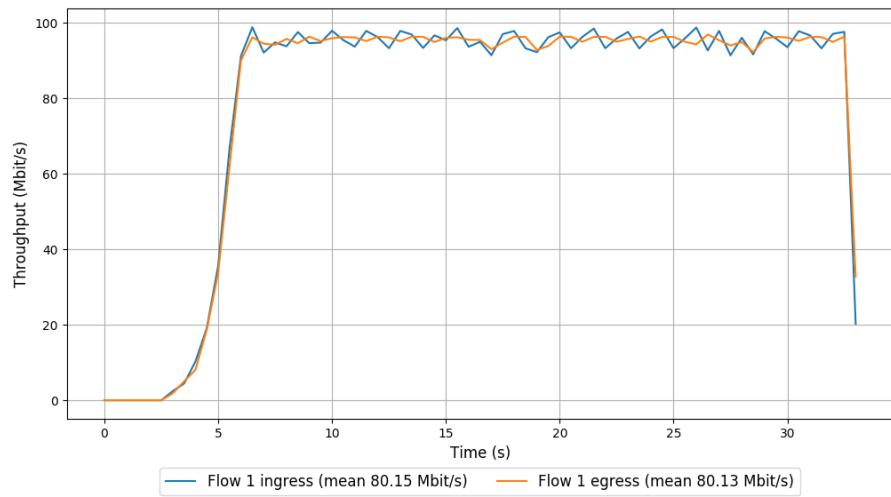
```
-- Flow 1:
```

```
Average throughput: 80.13 Mbit/s
```

```
95th percentile per-packet one-way delay: 67.118 ms
```

```
Loss rate: 0.02%
```

Run 2: Report of CalibratedKoho — Data Link



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

```
Start at: Wed, 14 Jun 2017 05:23:45 +0000
```

```
End at: Wed, 14 Jun 2017 05:24:15 +0000
```

```
Local clock offset: 0.166 ms
```

```
Remote clock offset: -3.835 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:44:28 +0000
```

```
# Datalink statistics
```

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

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

```
95th percentile per-packet one-way delay: 65.632 ms
```

```
Loss rate: 0.17%
```

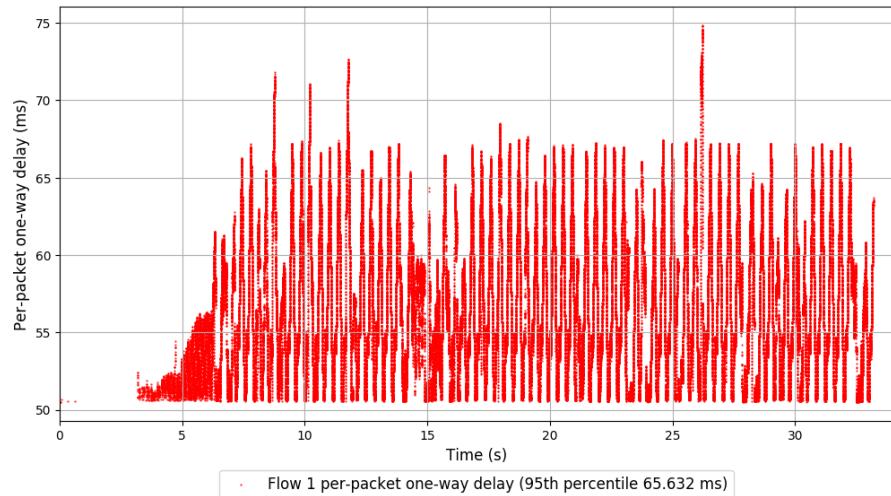
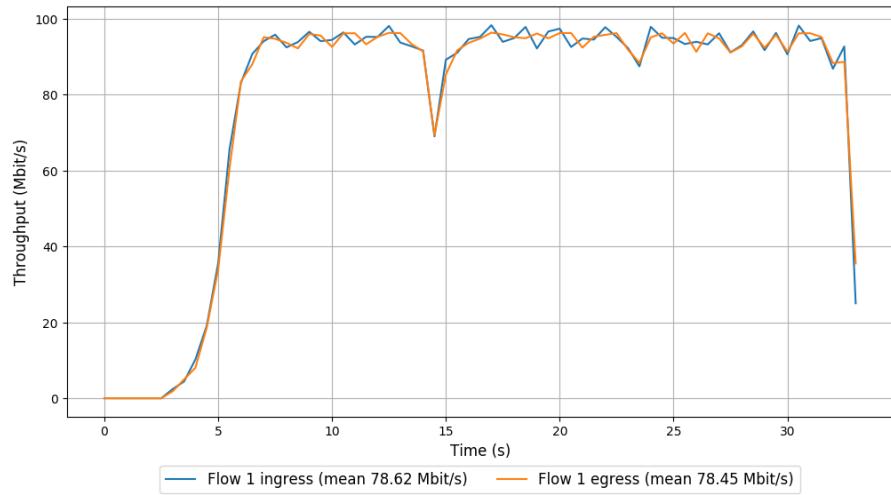
```
-- Flow 1:
```

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

```
95th percentile per-packet one-way delay: 65.632 ms
```

```
Loss rate: 0.17%
```

Run 3: Report of CalibratedKoho — Data Link



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

```
Start at: Wed, 14 Jun 2017 05:43:24 +0000
```

```
End at: Wed, 14 Jun 2017 05:43:54 +0000
```

```
Local clock offset: -0.214 ms
```

```
Remote clock offset: -1.199 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:44:28 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 79.85 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.038 ms
```

```
Loss rate: 0.10%
```

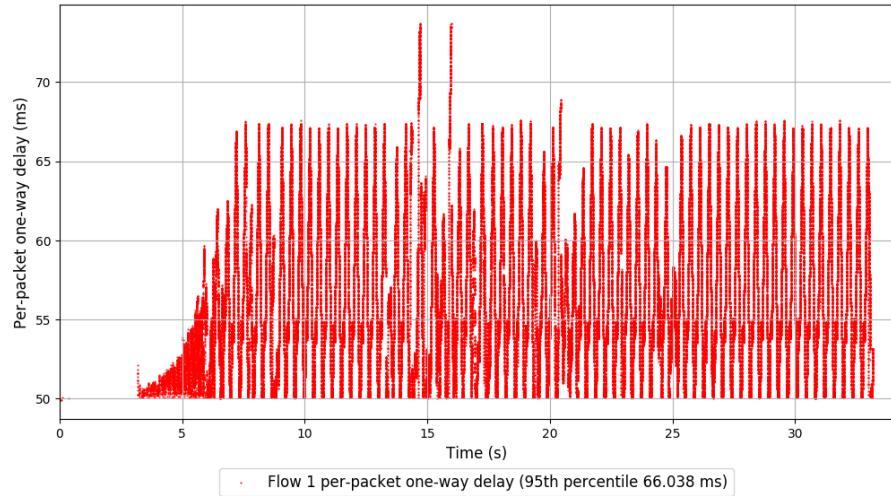
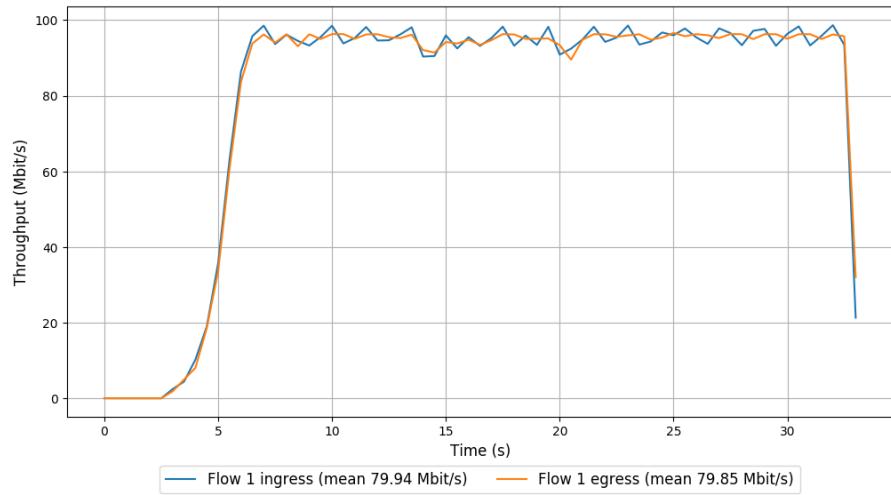
```
-- Flow 1:
```

```
Average throughput: 79.85 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.038 ms
```

```
Loss rate: 0.10%
```

Run 4: Report of CalibratedKoho — Data Link



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

```
Start at: Wed, 14 Jun 2017 06:02:59 +0000
```

```
End at: Wed, 14 Jun 2017 06:03:29 +0000
```

```
Local clock offset: -0.703 ms
```

```
Remote clock offset: -1.566 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:44:40 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 79.84 Mbit/s
```

```
95th percentile per-packet one-way delay: 64.959 ms
```

```
Loss rate: 0.15%
```

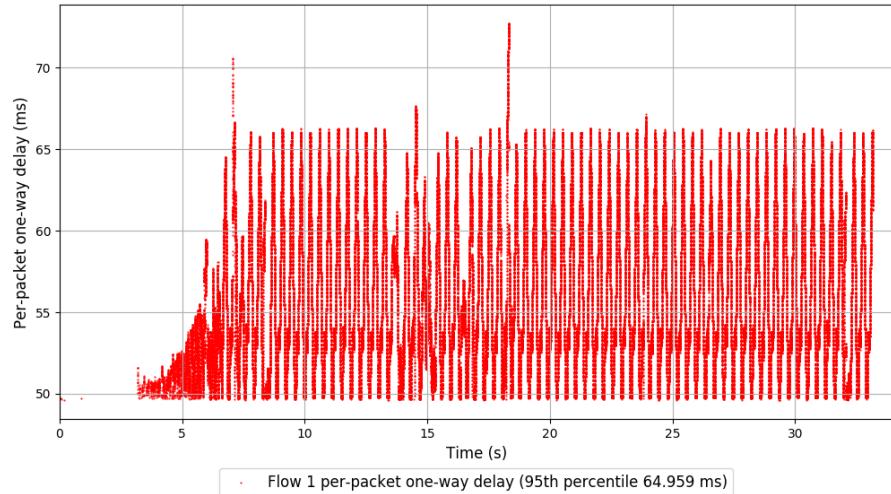
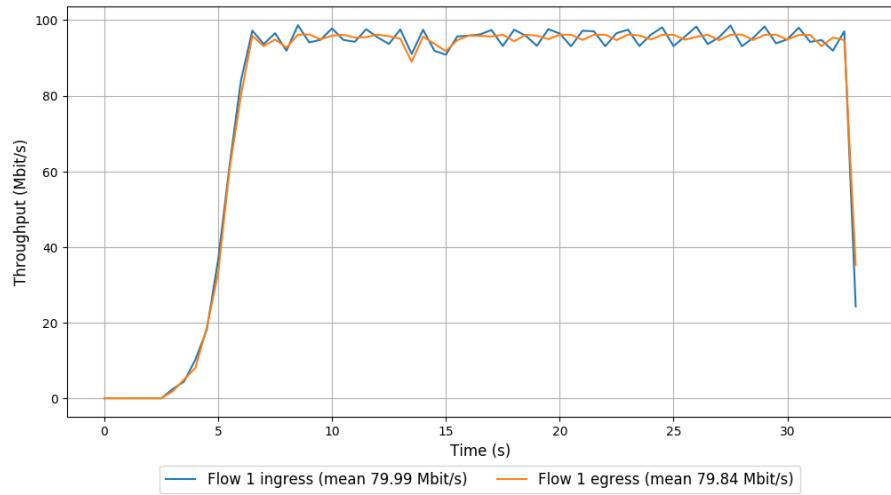
```
-- Flow 1:
```

```
Average throughput: 79.84 Mbit/s
```

```
95th percentile per-packet one-way delay: 64.959 ms
```

```
Loss rate: 0.15%
```

Run 5: Report of CalibratedKoho — Data Link



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

```
Start at: Wed, 14 Jun 2017 06:22:41 +0000
```

```
End at: Wed, 14 Jun 2017 06:23:11 +0000
```

```
Local clock offset: -0.722 ms
```

```
Remote clock offset: -1.768 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:44:41 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 79.88 Mbit/s
```

```
95th percentile per-packet one-way delay: 65.078 ms
```

```
Loss rate: 0.00%
```

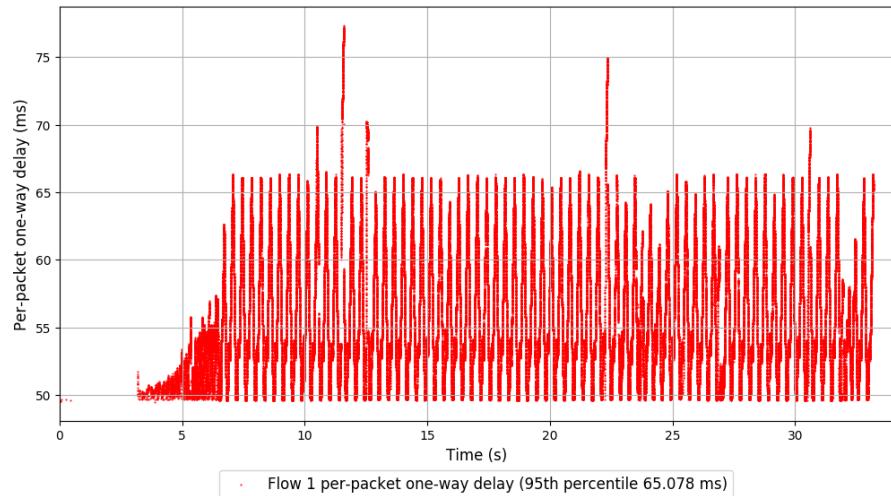
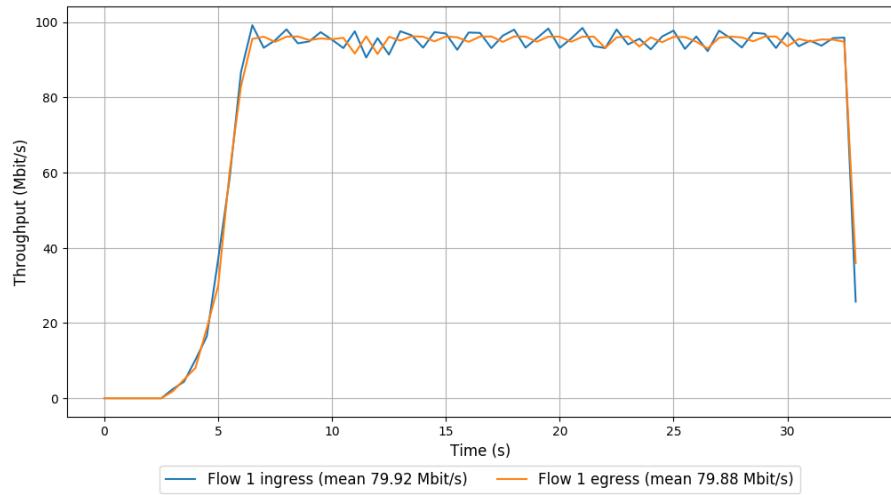
```
-- Flow 1:
```

```
Average throughput: 79.88 Mbit/s
```

```
95th percentile per-packet one-way delay: 65.078 ms
```

```
Loss rate: 0.00%
```

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Wed, 14 Jun 2017 06:42:24 +0000

End at: Wed, 14 Jun 2017 06:42:54 +0000

Local clock offset: -0.716 ms

Remote clock offset: 0.602 ms

Below is generated by plot.py at Wed, 14 Jun 2017 11:44:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.92 Mbit/s

95th percentile per-packet one-way delay: 64.705 ms

Loss rate: 0.02%

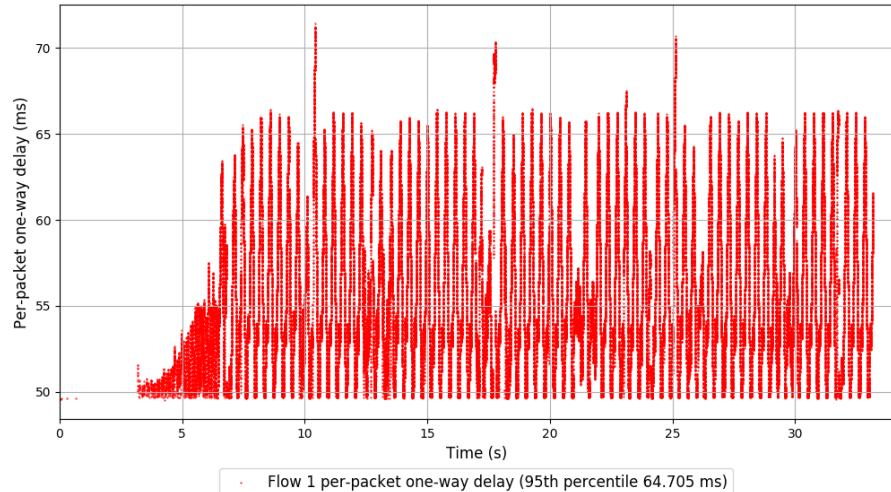
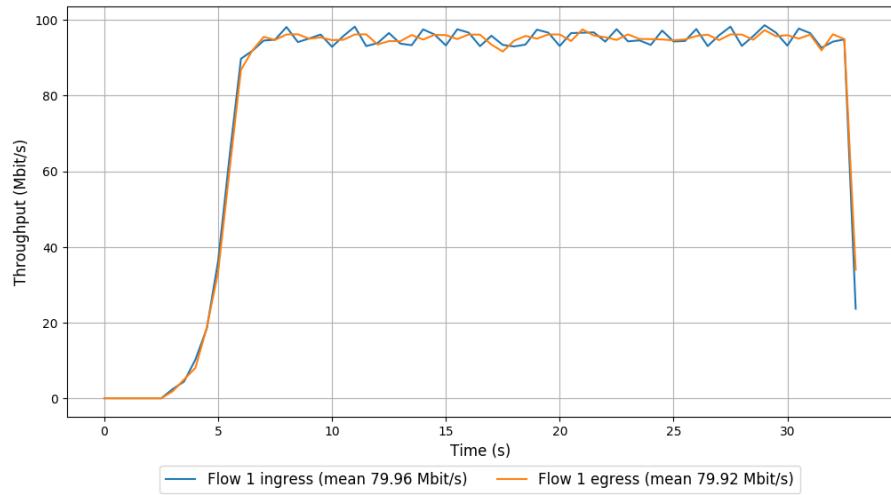
-- Flow 1:

Average throughput: 79.92 Mbit/s

95th percentile per-packet one-way delay: 64.705 ms

Loss rate: 0.02%

Run 7: Report of CalibratedKoho — Data Link

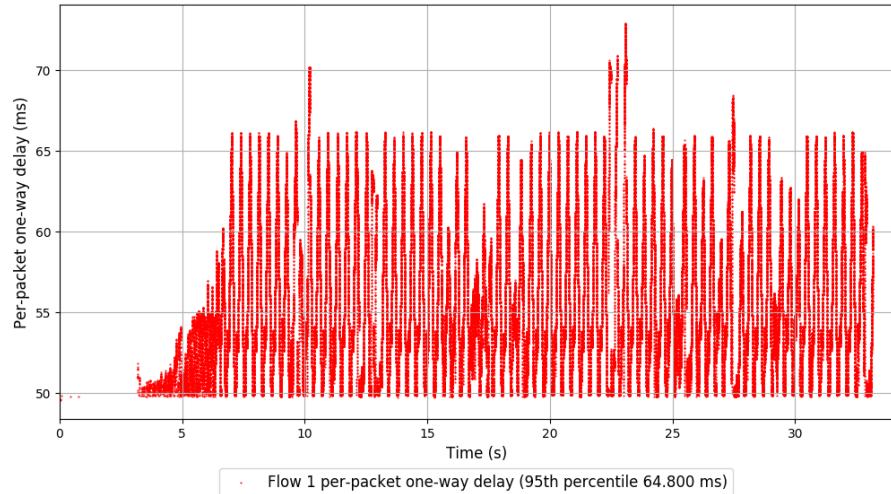
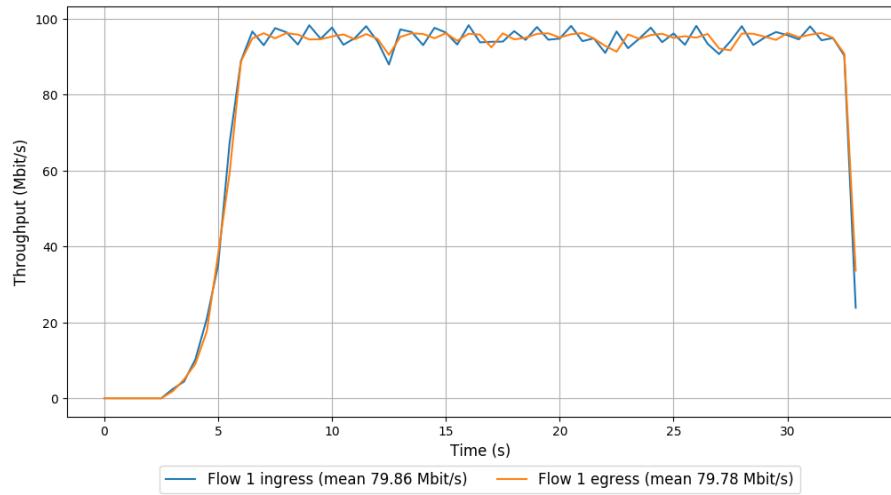


Run 8: Statistics of CalibratedKoho

```
Start at: Wed, 14 Jun 2017 07:02:07 +0000
End at: Wed, 14 Jun 2017 07:02:37 +0000
Local clock offset: -0.486 ms
Remote clock offset: -11.158 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:44:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 64.800 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 79.78 Mbit/s
95th percentile per-packet one-way delay: 64.800 ms
Loss rate: 0.06%
```

Run 8: Report of CalibratedKoho — Data Link



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

```
Start at: Wed, 14 Jun 2017 07:21:48 +0000
```

```
End at: Wed, 14 Jun 2017 07:22:18 +0000
```

```
Local clock offset: -0.286 ms
```

```
Remote clock offset: -9.576 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:45:04 +0000
```

```
# Datalink statistics
```

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

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

```
95th percentile per-packet one-way delay: 65.952 ms
```

```
Loss rate: 0.00%
```

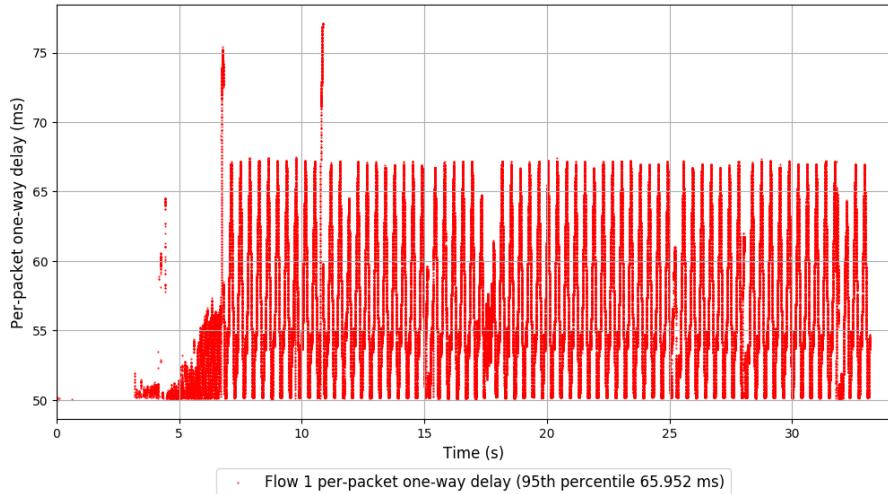
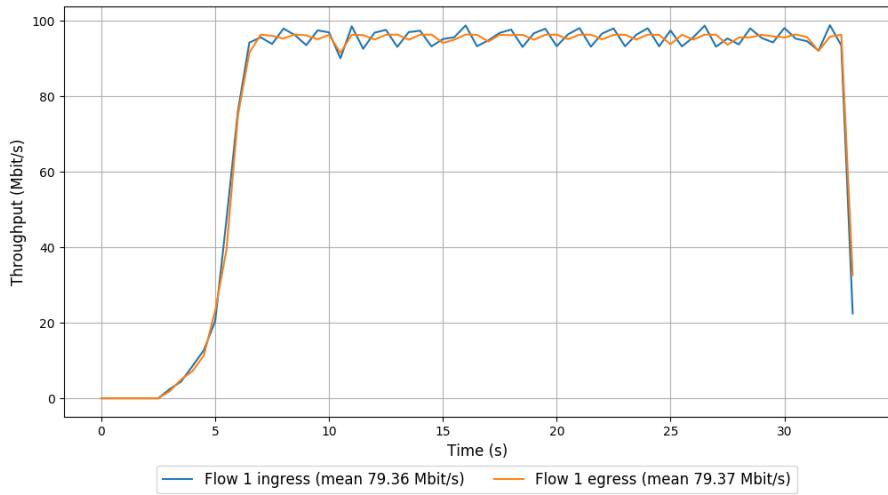
```
-- Flow 1:
```

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

```
95th percentile per-packet one-way delay: 65.952 ms
```

```
Loss rate: 0.00%
```

Run 9: Report of CalibratedKoho — Data Link



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

```
Start at: Wed, 14 Jun 2017 07:41:32 +0000
```

```
End at: Wed, 14 Jun 2017 07:42:02 +0000
```

```
Local clock offset: 0.01 ms
```

```
Remote clock offset: -9.226 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:45:05 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 79.84 Mbit/s
```

```
95th percentile per-packet one-way delay: 65.902 ms
```

```
Loss rate: 0.03%
```

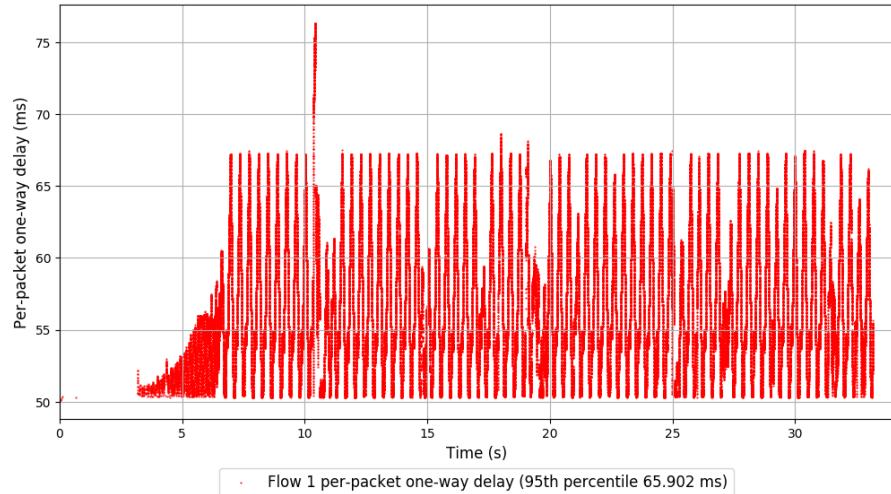
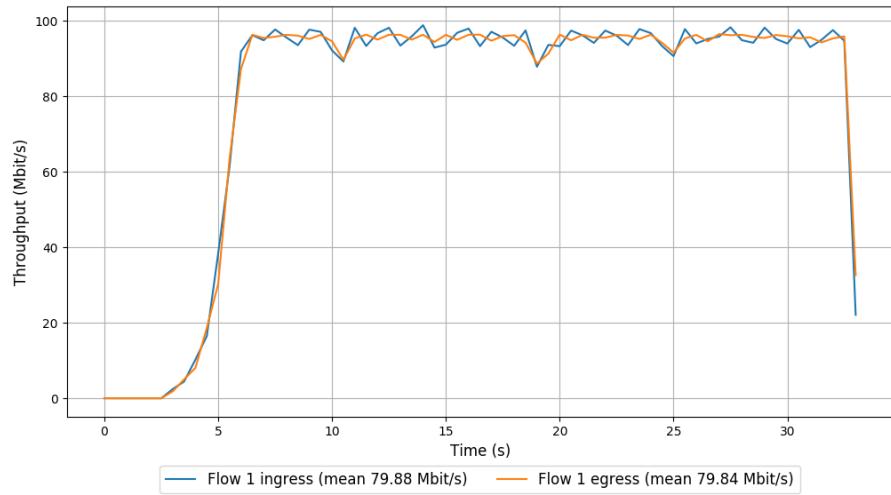
```
-- Flow 1:
```

```
Average throughput: 79.84 Mbit/s
```

```
95th percentile per-packet one-way delay: 65.902 ms
```

```
Loss rate: 0.03%
```

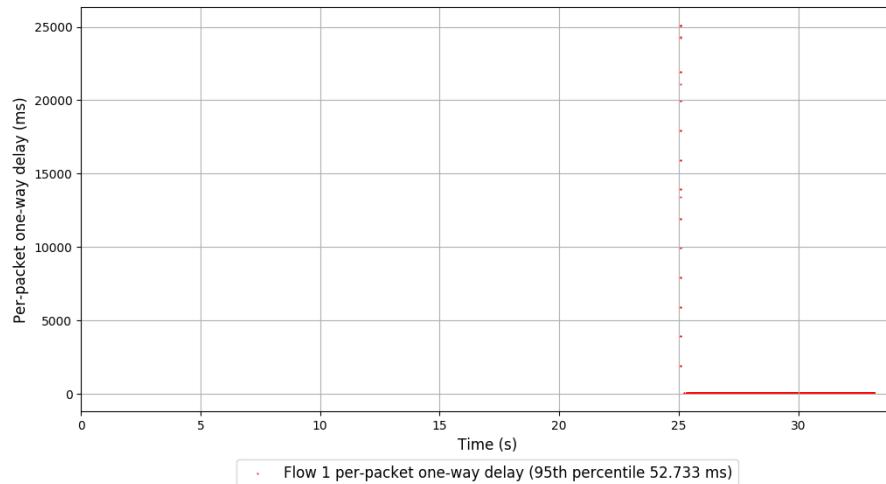
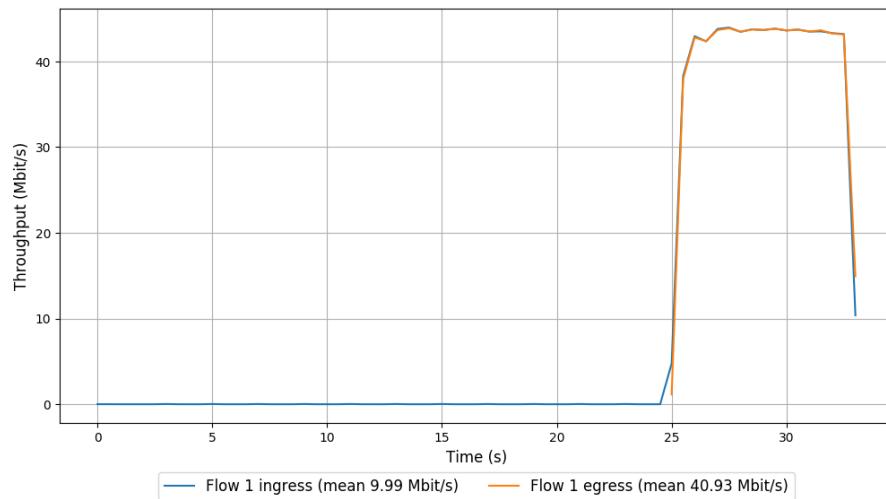
Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Wed, 14 Jun 2017 04:39:03 +0000
End at: Wed, 14 Jun 2017 04:39:33 +0000
Local clock offset: 1.404 ms
Remote clock offset: -2.172 ms

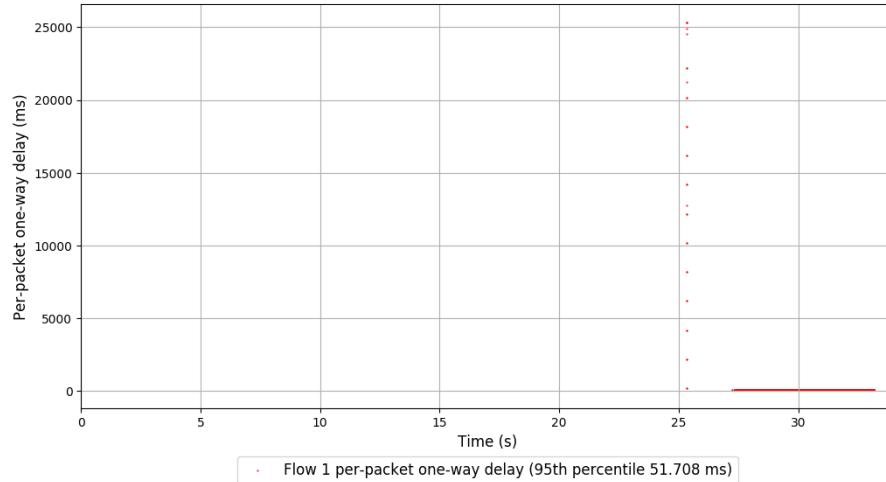
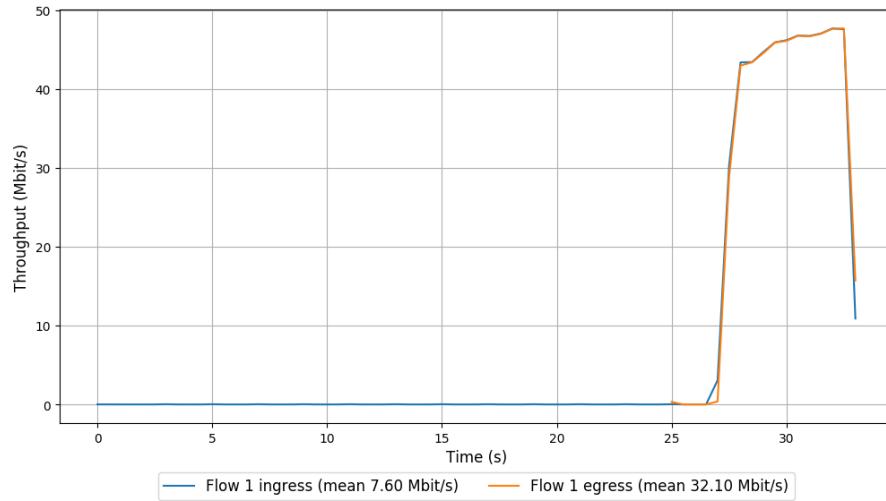
Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Wed, 14 Jun 2017 04:58:43 +0000
End at: Wed, 14 Jun 2017 04:59:13 +0000
Local clock offset: 0.712 ms
Remote clock offset: -1.607 ms

Run 2: Report of Copa — Data Link

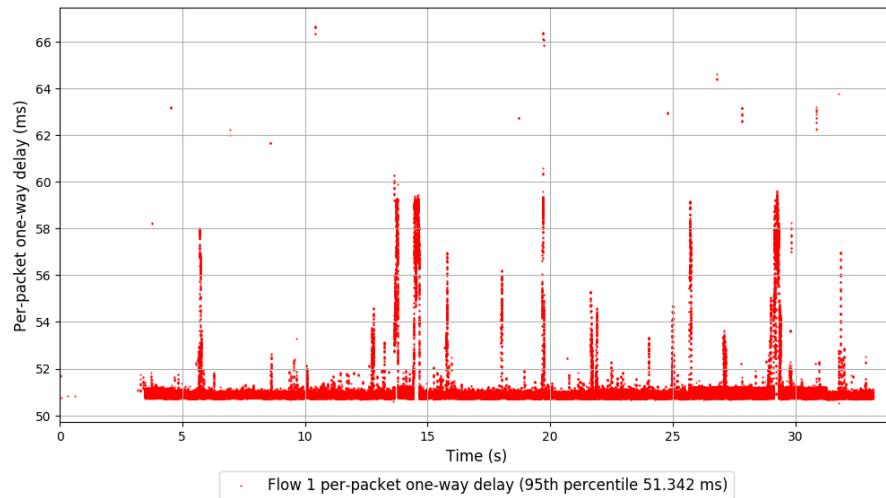
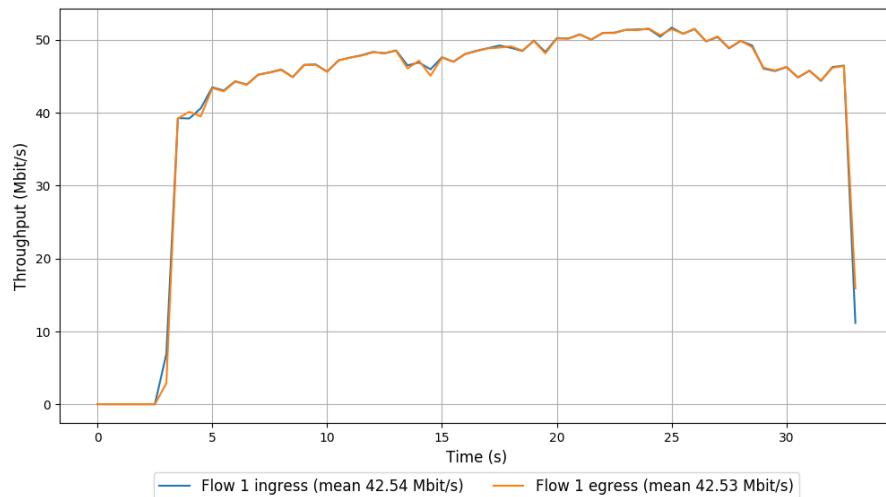


Run 3: Statistics of Copa

```
Start at: Wed, 14 Jun 2017 05:18:28 +0000
End at: Wed, 14 Jun 2017 05:18:58 +0000
Local clock offset: 0.352 ms
Remote clock offset: -4.401 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:45:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.53 Mbit/s
95th percentile per-packet one-way delay: 51.342 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.53 Mbit/s
95th percentile per-packet one-way delay: 51.342 ms
Loss rate: 0.06%
```

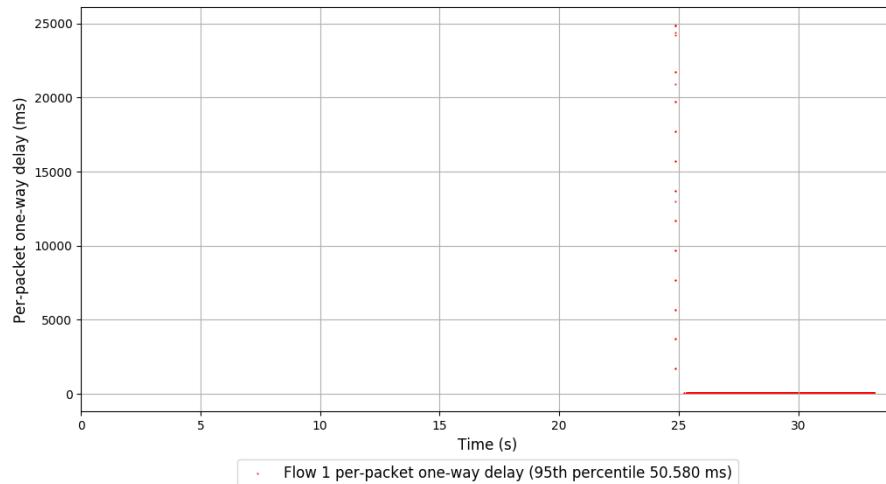
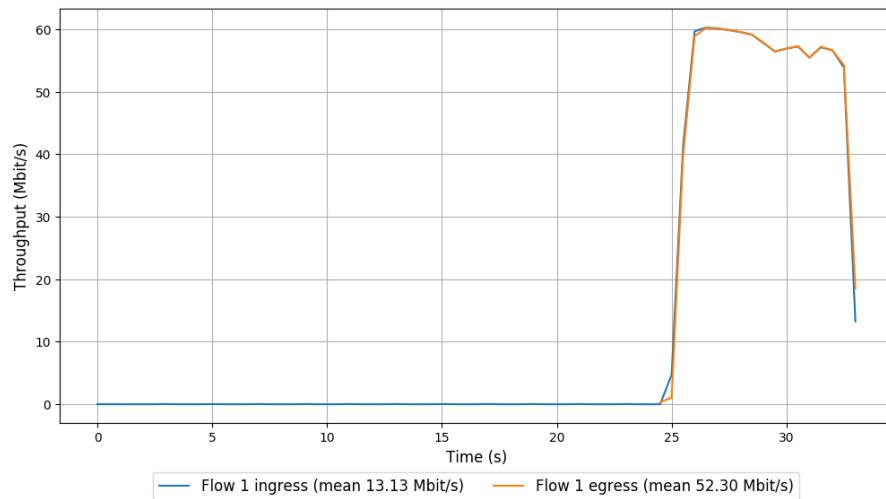
Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Wed, 14 Jun 2017 05:38:10 +0000
End at: Wed, 14 Jun 2017 05:38:41 +0000
Local clock offset: -0.186 ms
Remote clock offset: -1.813 ms

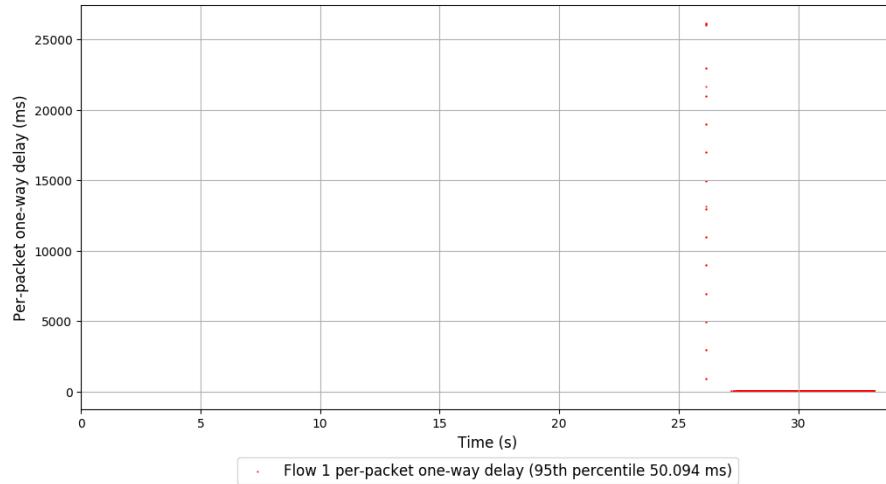
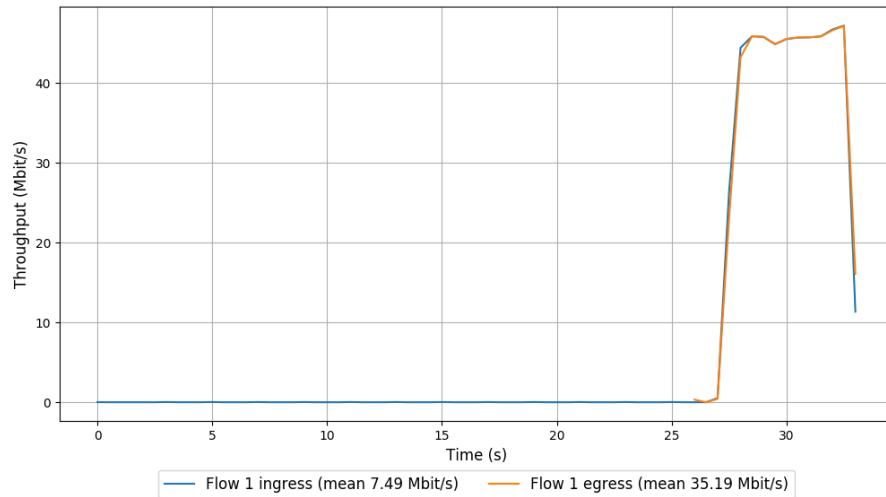
Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Wed, 14 Jun 2017 05:57:47 +0000
End at: Wed, 14 Jun 2017 05:58:17 +0000
Local clock offset: -0.464 ms
Remote clock offset: -1.157 ms

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

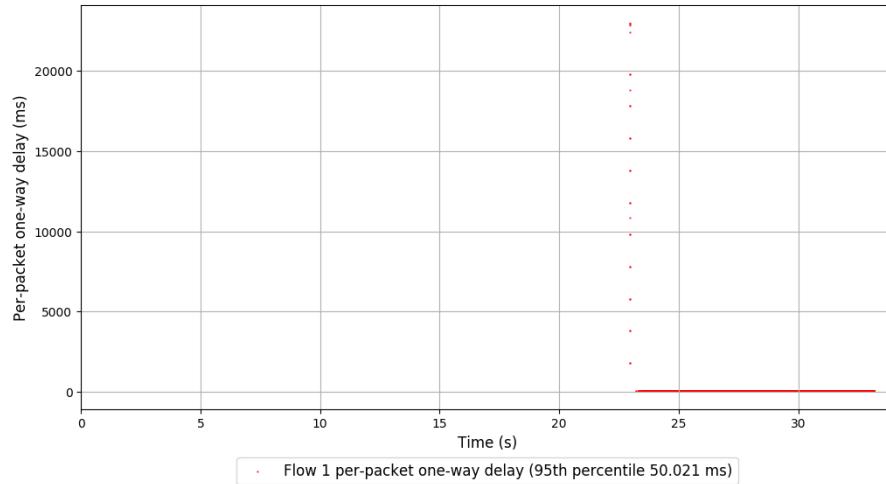
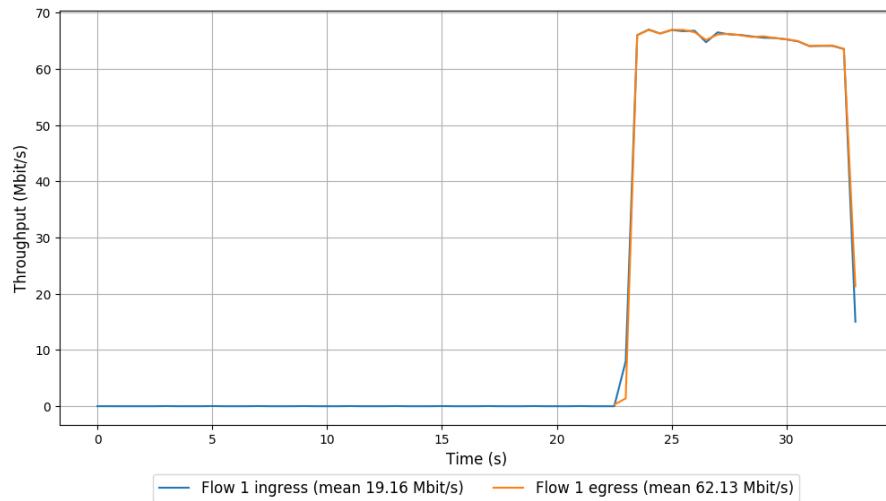
Start at: Wed, 14 Jun 2017 06:17:30 +0000

End at: Wed, 14 Jun 2017 06:18:00 +0000

Local clock offset: -0.641 ms

Remote clock offset: -1.657 ms

Run 6: Report of Copa — Data Link

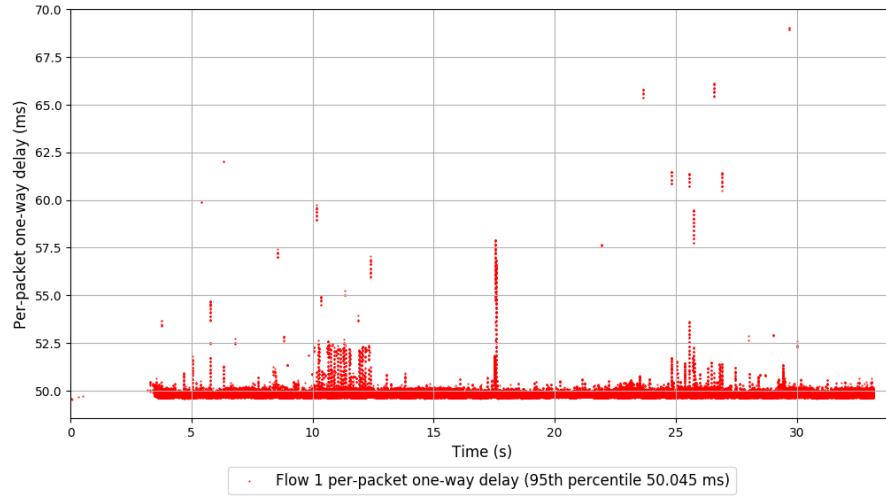
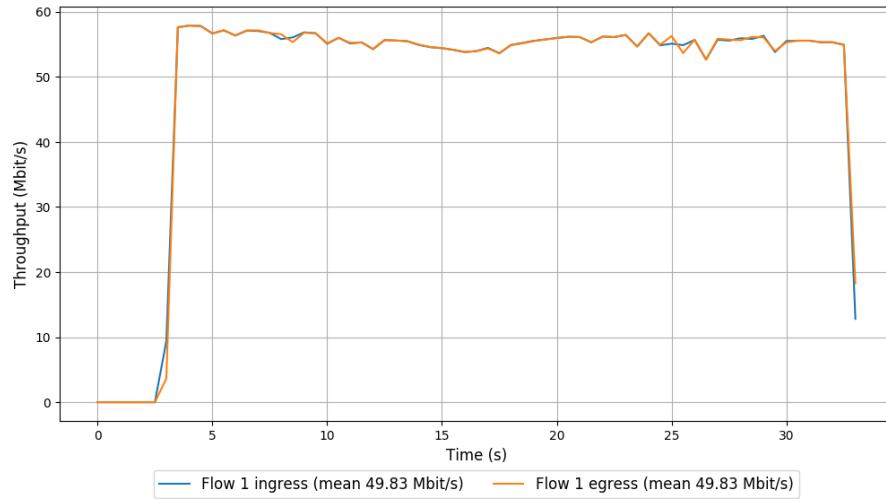


Run 7: Statistics of Copa

```
Start at: Wed, 14 Jun 2017 06:37:07 +0000
End at: Wed, 14 Jun 2017 06:37:37 +0000
Local clock offset: -0.684 ms
Remote clock offset: -2.107 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:45:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 50.045 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 50.045 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

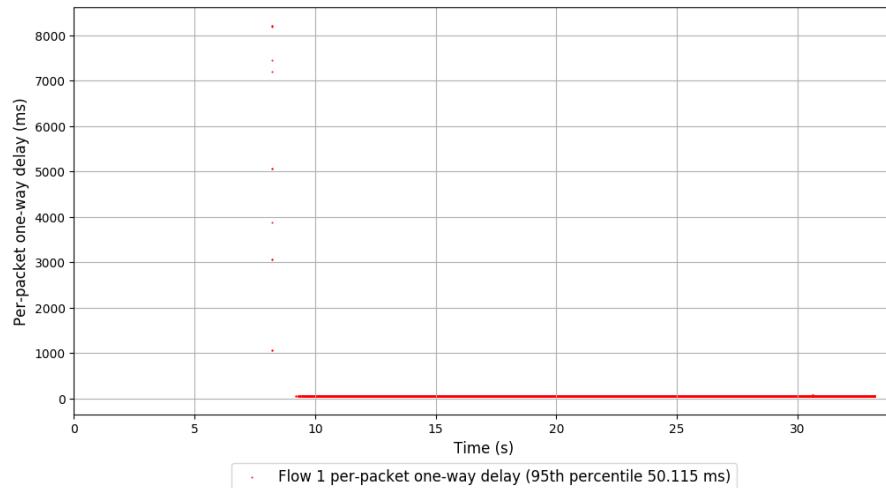
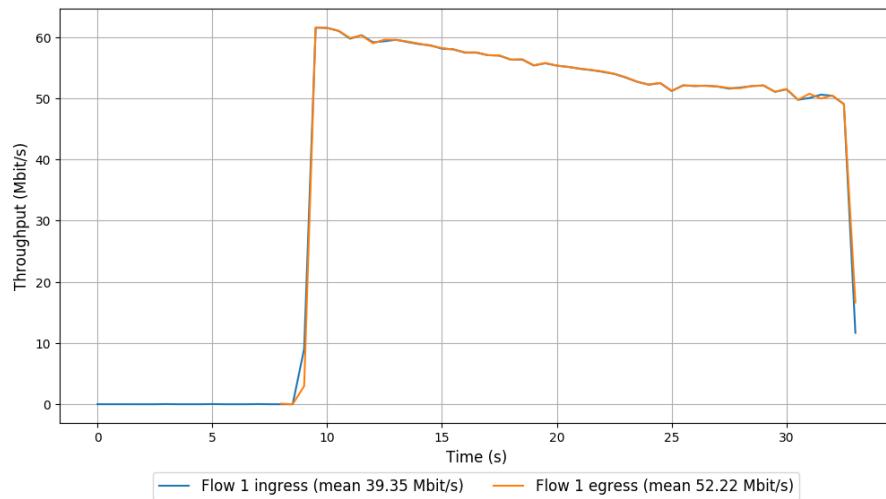


Run 8: Statistics of Copa

```
Start at: Wed, 14 Jun 2017 06:56:51 +0000
End at: Wed, 14 Jun 2017 06:57:22 +0000
Local clock offset: -0.644 ms
Remote clock offset: -9.077 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:45:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.22 Mbit/s
95th percentile per-packet one-way delay: 50.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 52.22 Mbit/s
95th percentile per-packet one-way delay: 50.115 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

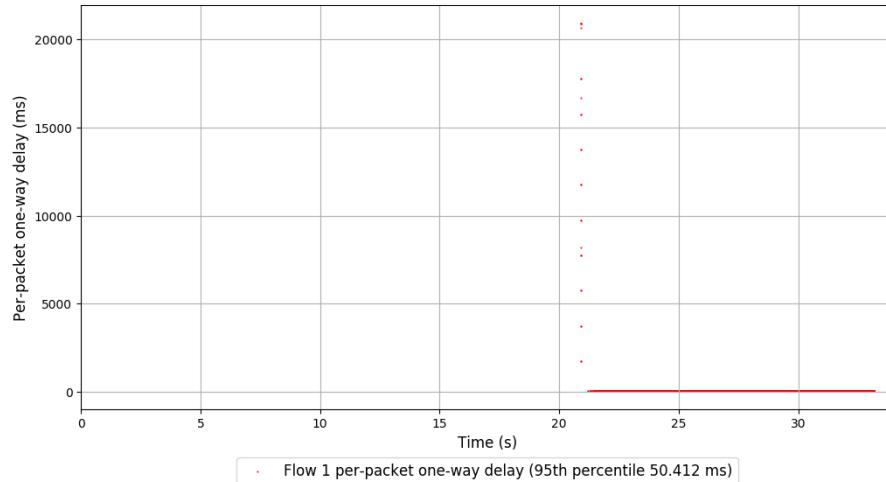
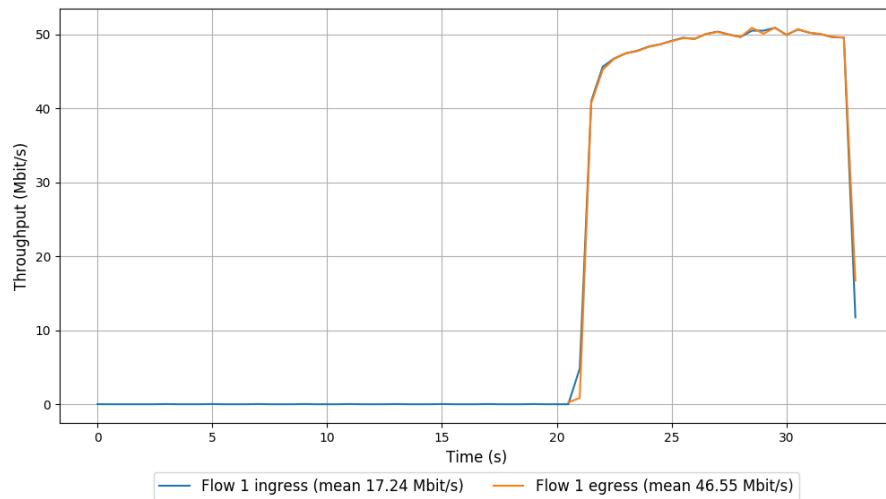
Start at: Wed, 14 Jun 2017 07:16:35 +0000

End at: Wed, 14 Jun 2017 07:17:05 +0000

Local clock offset: -0.349 ms

Remote clock offset: -9.171 ms

Run 9: Report of Copa — Data Link

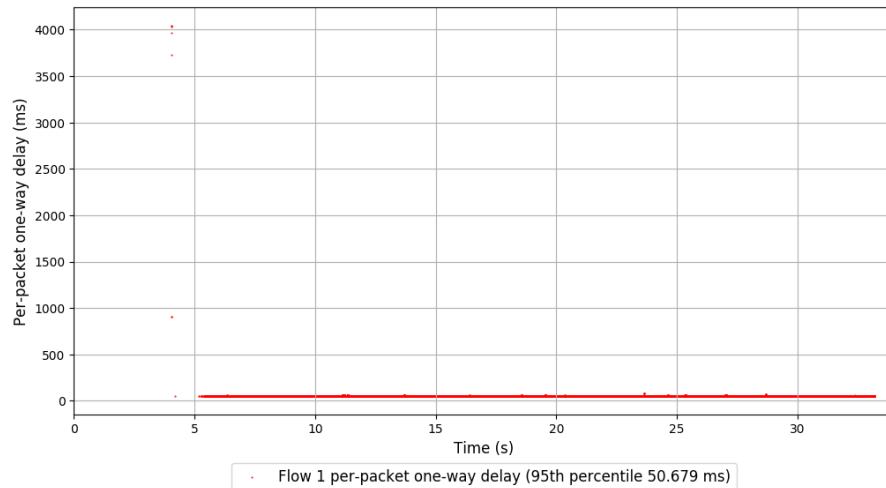
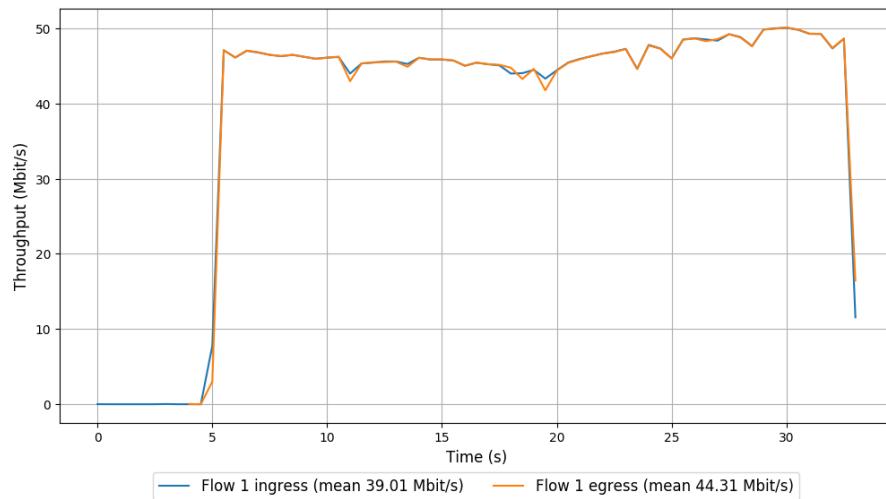


Run 10: Statistics of Copa

```
Start at: Wed, 14 Jun 2017 07:36:17 +0000
End at: Wed, 14 Jun 2017 07:36:47 +0000
Local clock offset: -0.171 ms
Remote clock offset: -9.159 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:45:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: 50.679 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: 50.679 ms
Loss rate: 0.11%
```

Run 10: Report of Copa — Data Link



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

```
Start at: Wed, 14 Jun 2017 04:33:45 +0000
```

```
End at: Wed, 14 Jun 2017 04:34:15 +0000
```

```
Local clock offset: 1.748 ms
```

```
Remote clock offset: -4.423 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:45:45 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 44.18 Mbit/s
```

```
95th percentile per-packet one-way delay: 59.951 ms
```

```
Loss rate: 0.64%
```

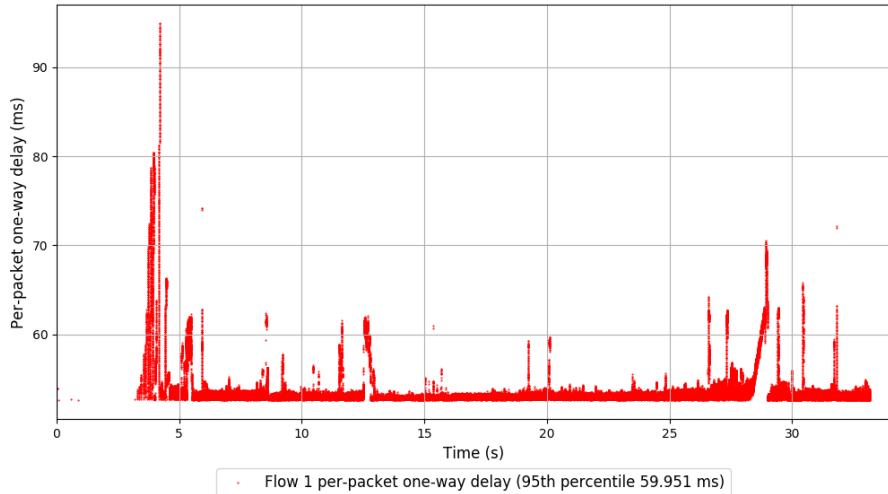
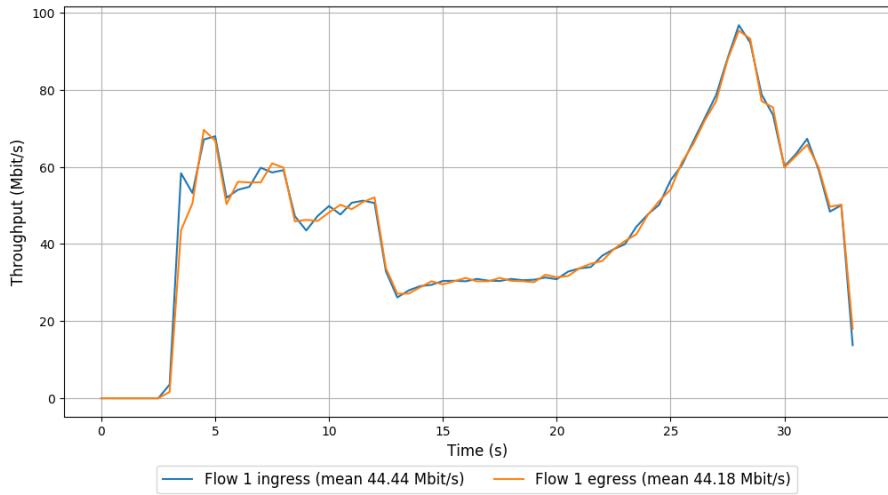
```
-- Flow 1:
```

```
Average throughput: 44.18 Mbit/s
```

```
95th percentile per-packet one-way delay: 59.951 ms
```

```
Loss rate: 0.64%
```

Run 1: Report of TCP Cubic — Data Link

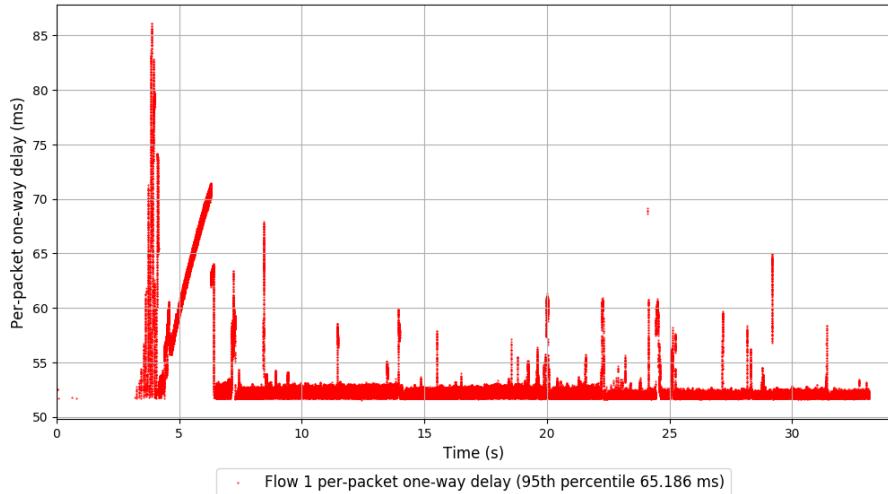
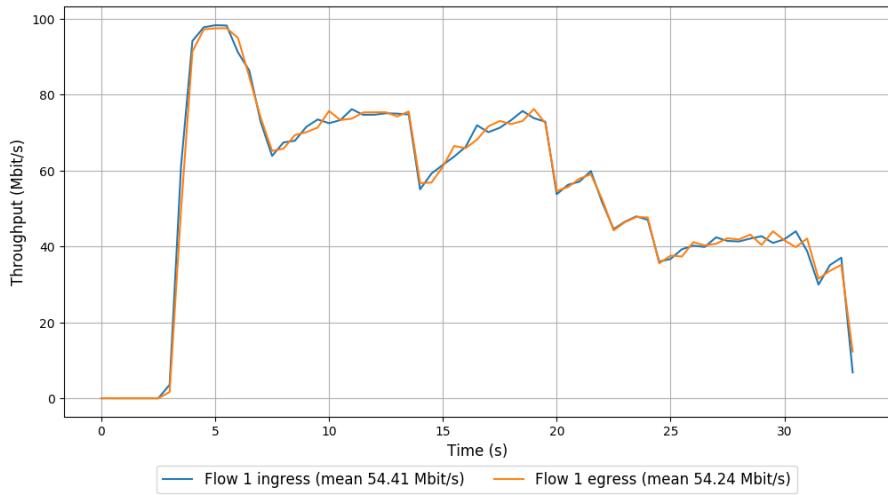


Run 2: Statistics of TCP Cubic

```
Start at: Wed, 14 Jun 2017 04:53:25 +0000
End at: Wed, 14 Jun 2017 04:53:55 +0000
Local clock offset: 0.91 ms
Remote clock offset: -4.182 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:45:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.24 Mbit/s
95th percentile per-packet one-way delay: 65.186 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 54.24 Mbit/s
95th percentile per-packet one-way delay: 65.186 ms
Loss rate: 0.31%
```

Run 2: Report of TCP Cubic — Data Link

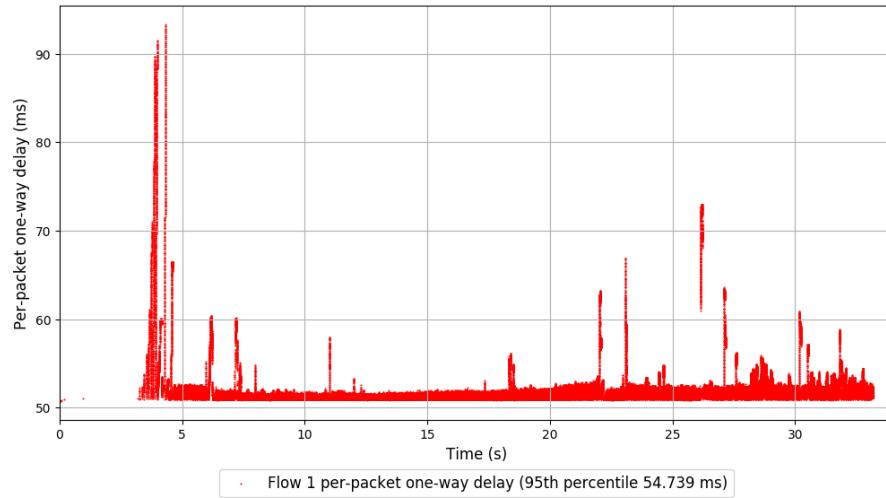
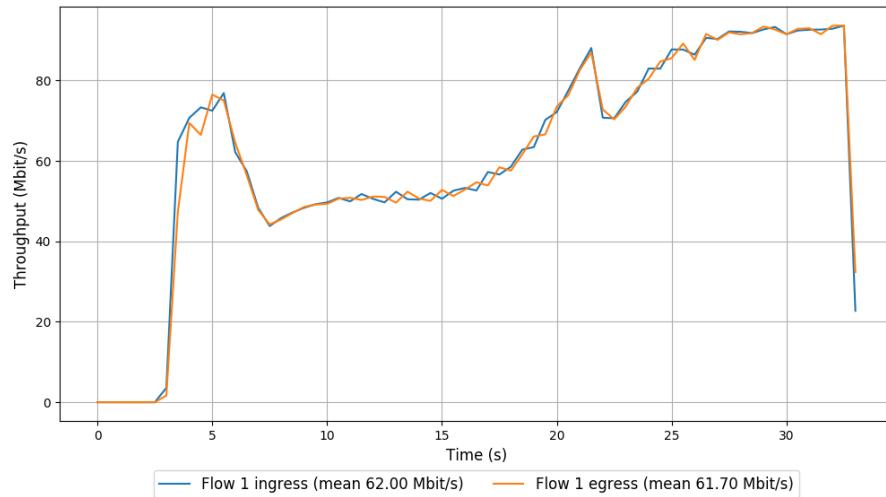


Run 3: Statistics of TCP Cubic

```
Start at: Wed, 14 Jun 2017 05:13:10 +0000
End at: Wed, 14 Jun 2017 05:13:40 +0000
Local clock offset: 0.411 ms
Remote clock offset: -1.337 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:45:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.70 Mbit/s
95th percentile per-packet one-way delay: 54.739 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 61.70 Mbit/s
95th percentile per-packet one-way delay: 54.739 ms
Loss rate: 0.50%
```

Run 3: Report of TCP Cubic — Data Link

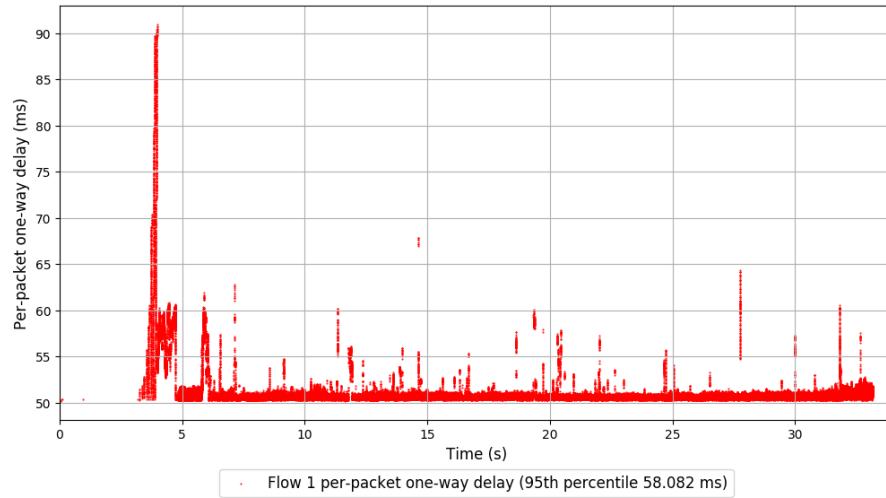
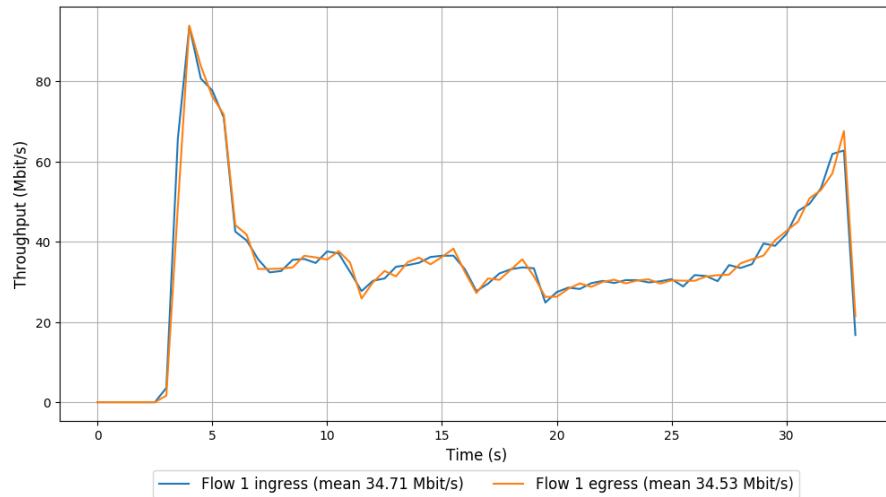


Run 4: Statistics of TCP Cubic

```
Start at: Wed, 14 Jun 2017 05:32:54 +0000
End at: Wed, 14 Jun 2017 05:33:24 +0000
Local clock offset: 0.005 ms
Remote clock offset: -1.811 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:45:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 58.082 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 34.53 Mbit/s
95th percentile per-packet one-way delay: 58.082 ms
Loss rate: 0.53%
```

Run 4: Report of TCP Cubic — Data Link

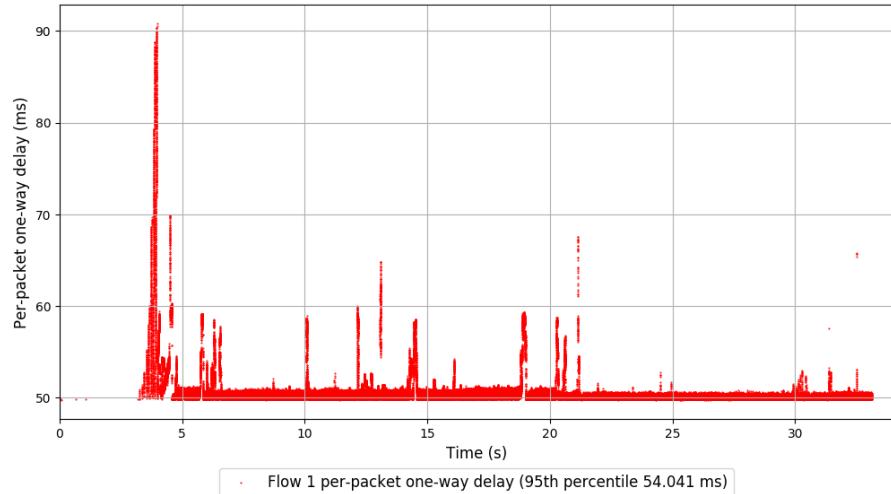
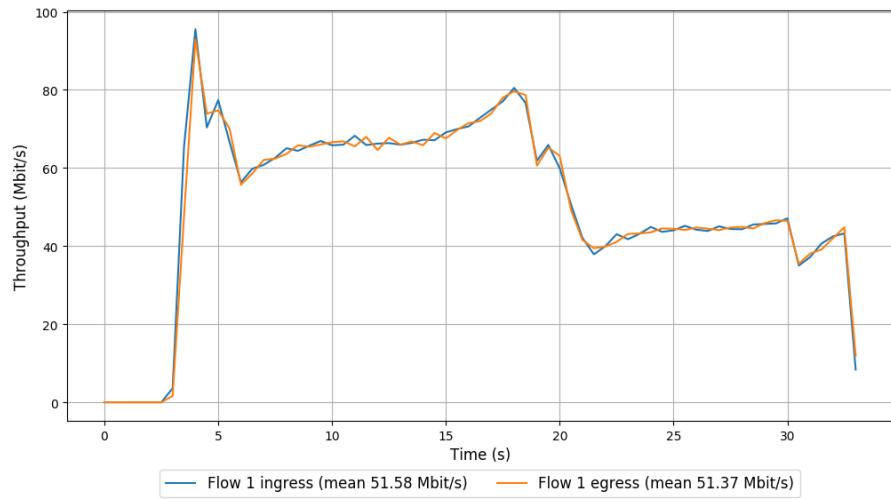


Run 5: Statistics of TCP Cubic

```
Start at: Wed, 14 Jun 2017 05:52:29 +0000
End at: Wed, 14 Jun 2017 05:52:59 +0000
Local clock offset: -0.473 ms
Remote clock offset: -2.111 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 54.041 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 51.37 Mbit/s
95th percentile per-packet one-way delay: 54.041 ms
Loss rate: 0.43%
```

Run 5: Report of TCP Cubic — Data Link

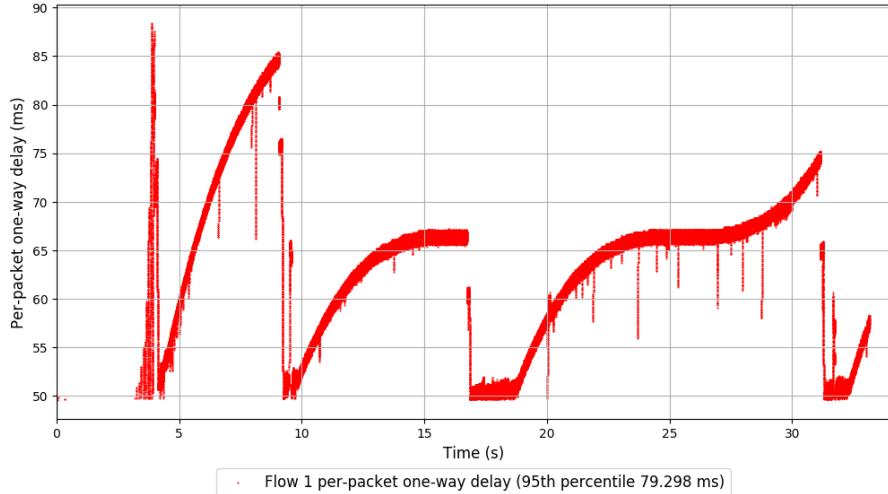
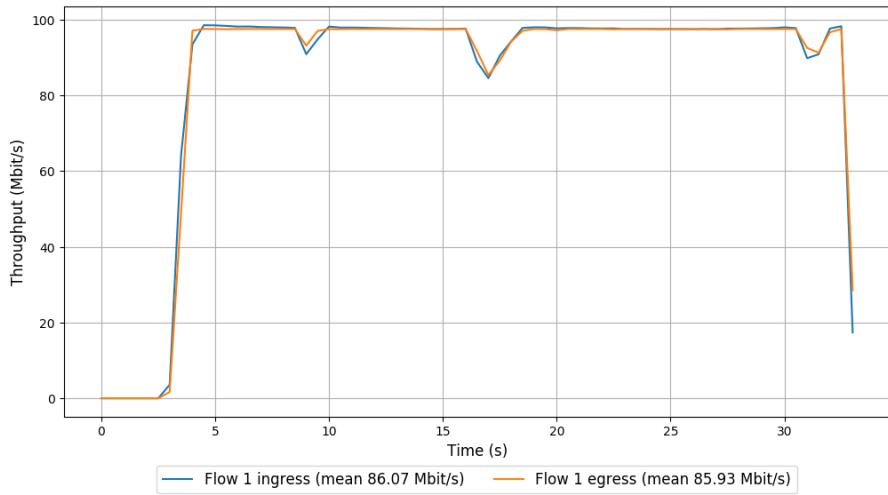


Run 6: Statistics of TCP Cubic

```
Start at: Wed, 14 Jun 2017 06:12:11 +0000
End at: Wed, 14 Jun 2017 06:12:41 +0000
Local clock offset: -0.627 ms
Remote clock offset: -1.335 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.93 Mbit/s
95th percentile per-packet one-way delay: 79.298 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 85.93 Mbit/s
95th percentile per-packet one-way delay: 79.298 ms
Loss rate: 0.14%
```

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Wed, 14 Jun 2017 06:31:48 +0000

End at: Wed, 14 Jun 2017 06:32:18 +0000

Local clock offset: -0.592 ms

Remote clock offset: -2.116 ms

Below is generated by plot.py at Wed, 14 Jun 2017 11:46:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 85.879 ms

Loss rate: 0.33%

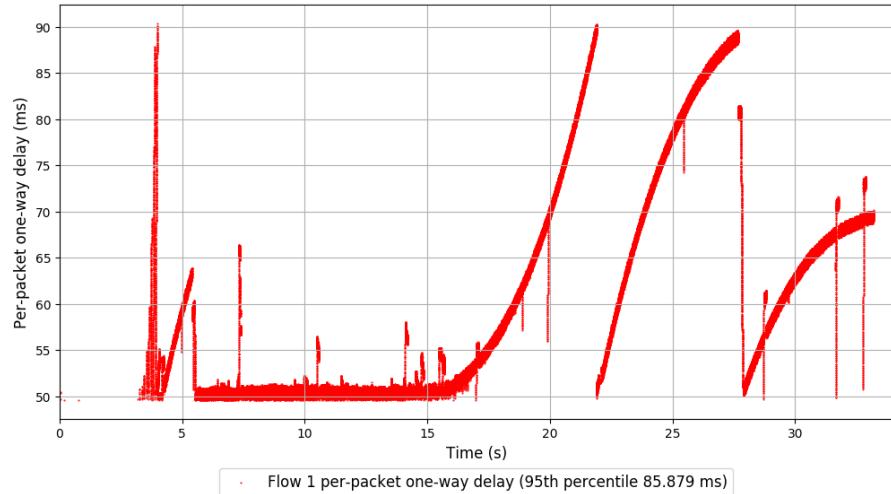
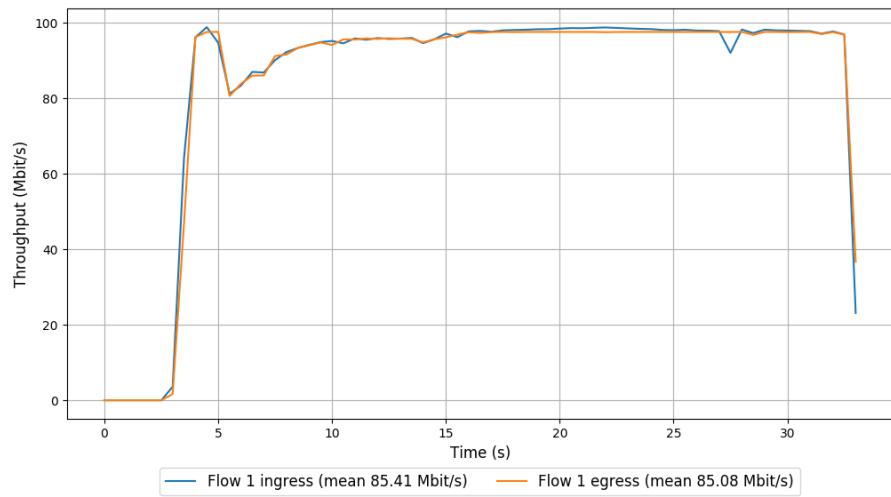
-- Flow 1:

Average throughput: 85.08 Mbit/s

95th percentile per-packet one-way delay: 85.879 ms

Loss rate: 0.33%

Run 7: Report of TCP Cubic — Data Link

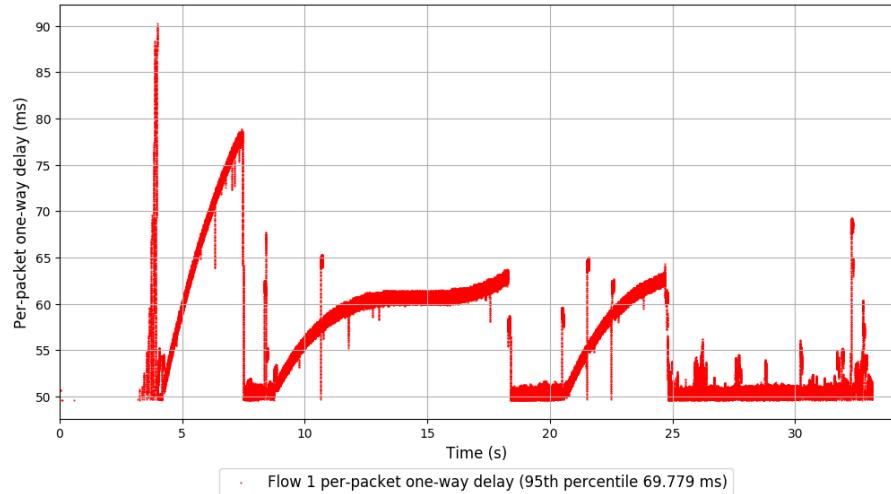
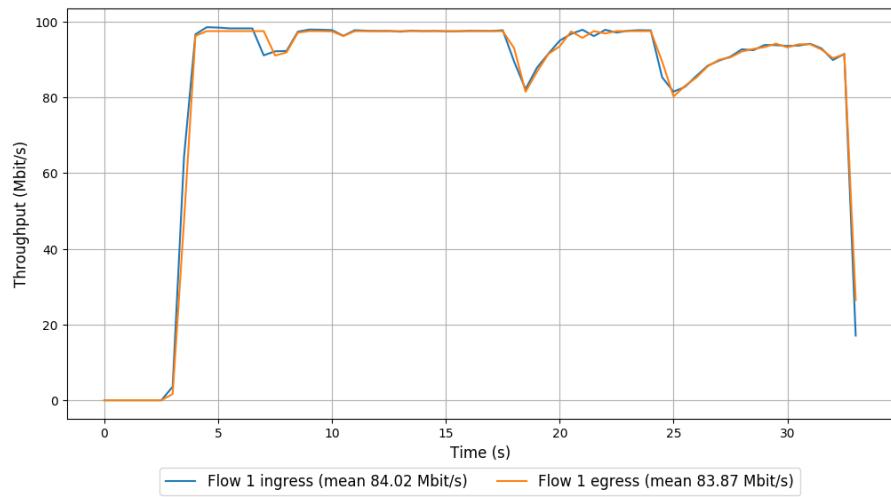


Run 8: Statistics of TCP Cubic

```
Start at: Wed, 14 Jun 2017 06:51:33 +0000
End at: Wed, 14 Jun 2017 06:52:03 +0000
Local clock offset: -0.662 ms
Remote clock offset: -9.511 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.87 Mbit/s
95th percentile per-packet one-way delay: 69.779 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 83.87 Mbit/s
95th percentile per-packet one-way delay: 69.779 ms
Loss rate: 0.18%
```

Run 8: Report of TCP Cubic — Data Link

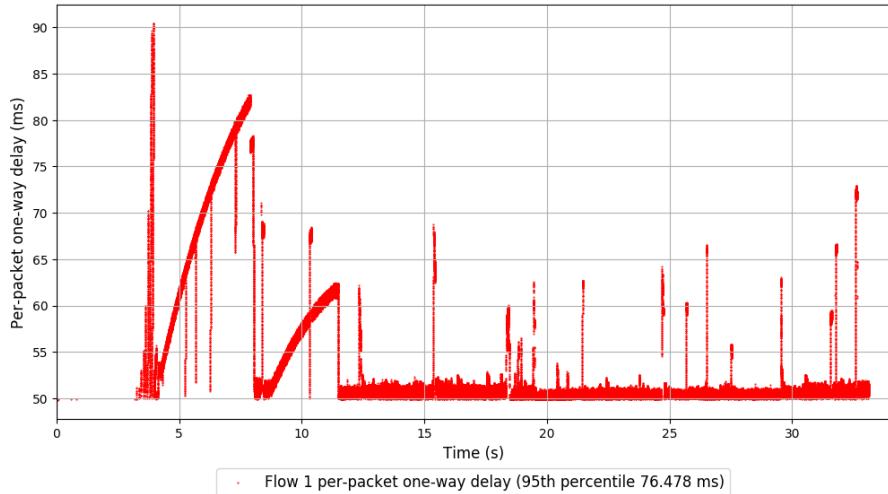
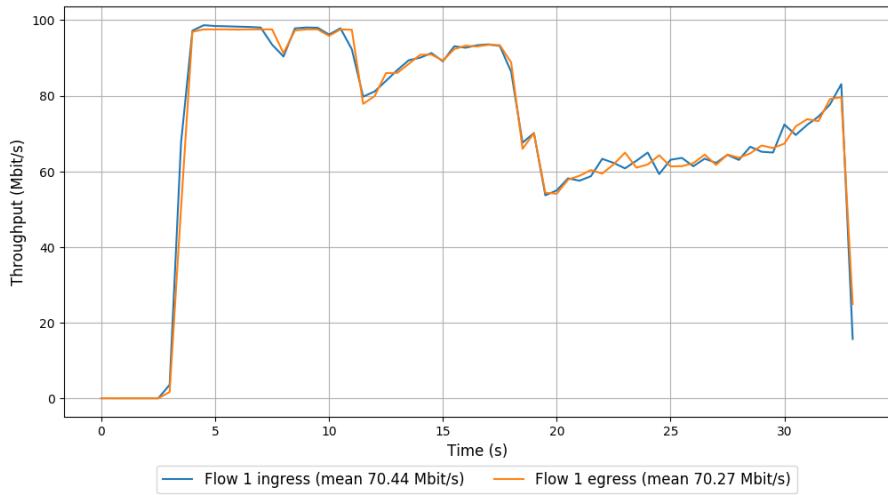


Run 9: Statistics of TCP Cubic

```
Start at: Wed, 14 Jun 2017 07:11:16 +0000
End at: Wed, 14 Jun 2017 07:11:46 +0000
Local clock offset: -0.387 ms
Remote clock offset: -11.233 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 76.478 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 76.478 ms
Loss rate: 0.25%
```

Run 9: Report of TCP Cubic — Data Link

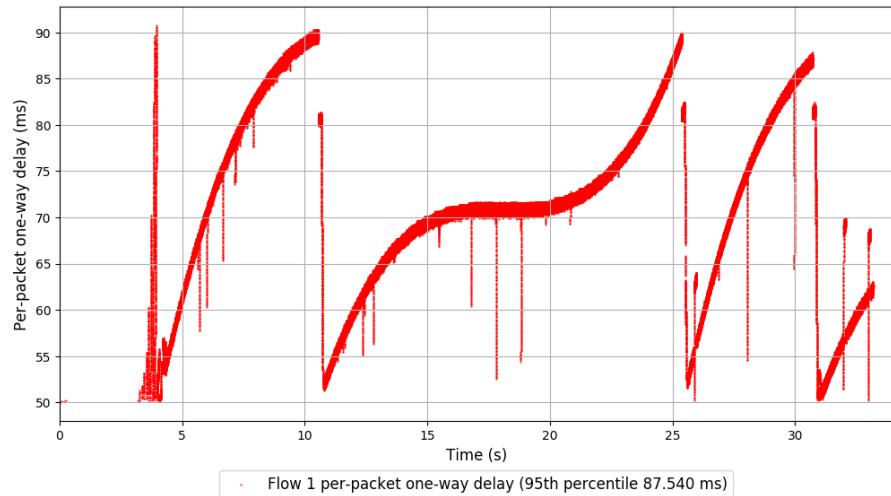
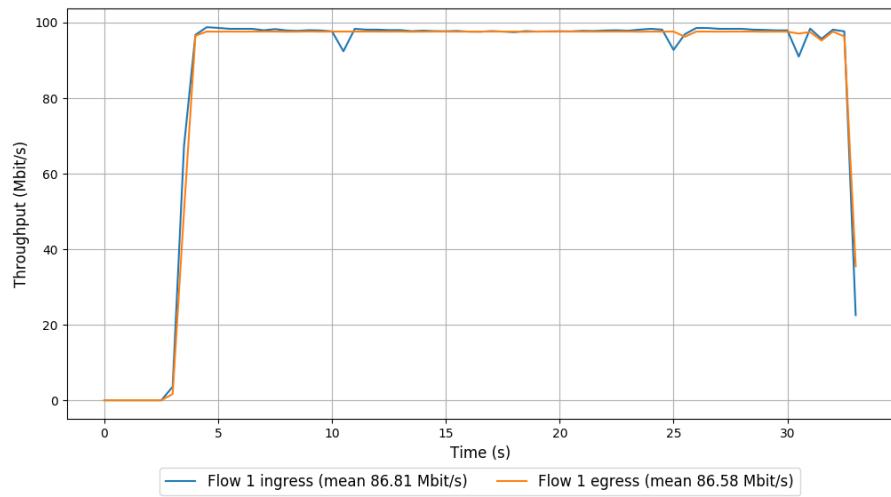


Run 10: Statistics of TCP Cubic

```
Start at: Wed, 14 Jun 2017 07:30:57 +0000
End at: Wed, 14 Jun 2017 07:31:27 +0000
Local clock offset: -0.149 ms
Remote clock offset: -9.129 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 87.540 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 87.540 ms
Loss rate: 0.22%
```

Run 10: Report of TCP Cubic — Data Link



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

```
Start at: Wed, 14 Jun 2017 04:35:04 +0000
```

```
End at: Wed, 14 Jun 2017 04:35:34 +0000
```

```
Local clock offset: 1.714 ms
```

```
Remote clock offset: -4.319 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:41 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 12.14 Mbit/s
```

```
95th percentile per-packet one-way delay: 53.497 ms
```

```
Loss rate: 0.06%
```

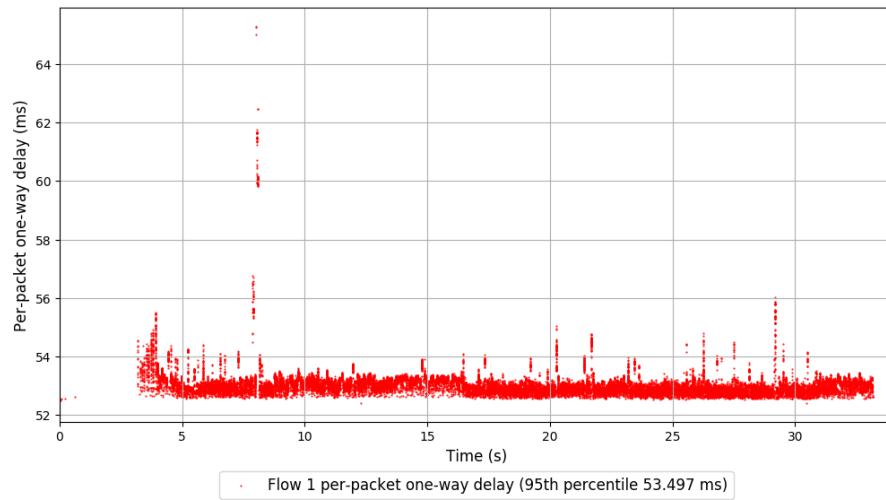
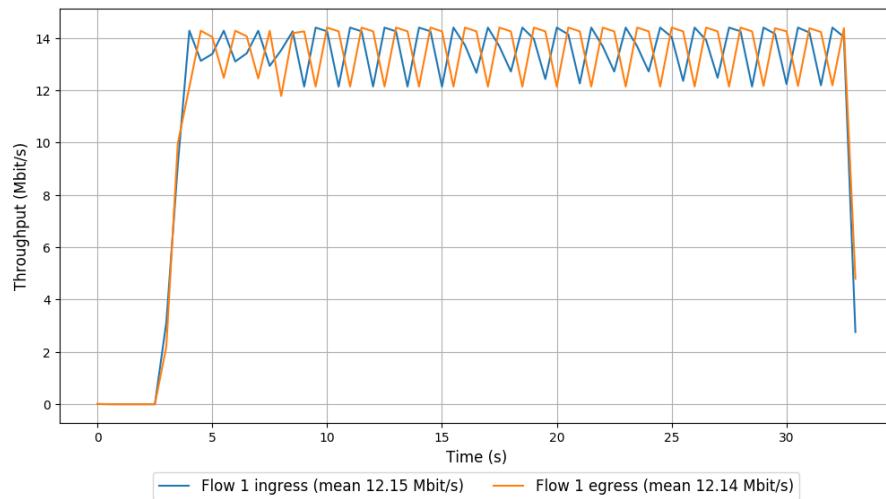
```
-- Flow 1:
```

```
Average throughput: 12.14 Mbit/s
```

```
95th percentile per-packet one-way delay: 53.497 ms
```

```
Loss rate: 0.06%
```

Run 1: Report of KohoCC — Data Link

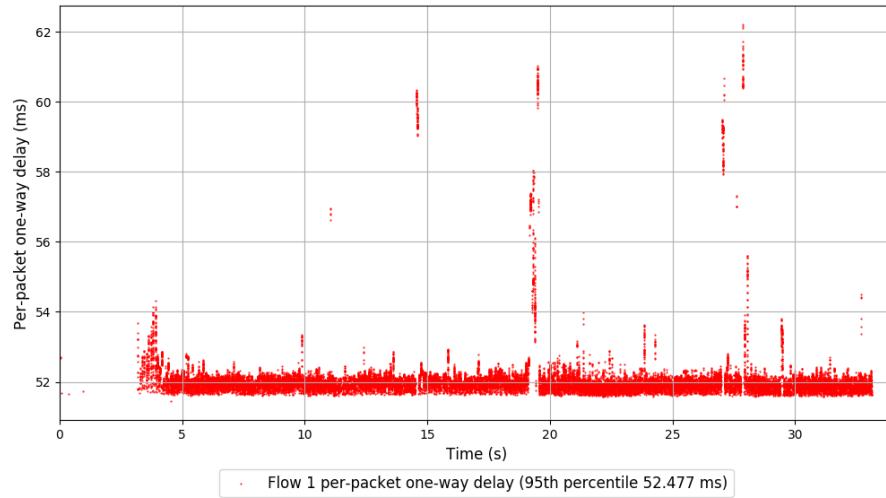
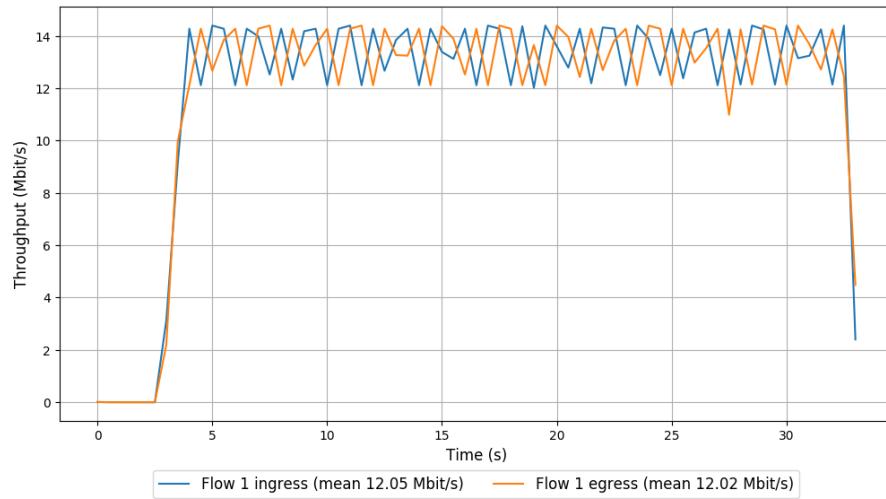


Run 2: Statistics of KohoCC

```
Start at: Wed, 14 Jun 2017 04:54:44 +0000
End at: Wed, 14 Jun 2017 04:55:14 +0000
Local clock offset: 0.861 ms
Remote clock offset: -1.663 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 52.477 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 52.477 ms
Loss rate: 0.22%
```

Run 2: Report of KohoCC — Data Link

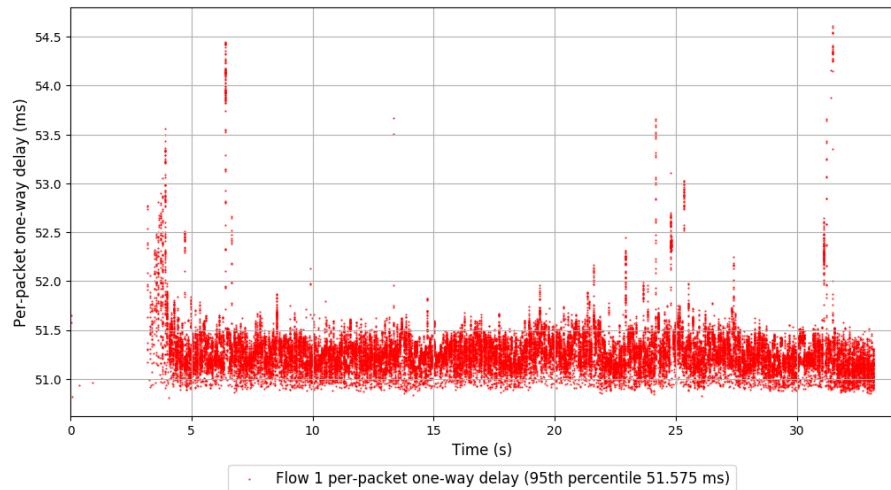
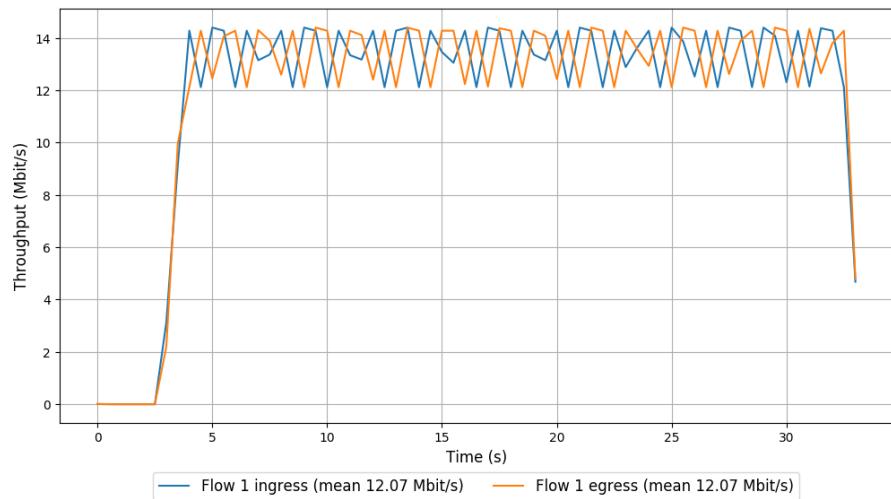


Run 3: Statistics of KohoCC

```
Start at: Wed, 14 Jun 2017 05:14:29 +0000
End at: Wed, 14 Jun 2017 05:14:59 +0000
Local clock offset: 0.407 ms
Remote clock offset: -4.402 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 51.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 51.575 ms
Loss rate: 0.00%
```

Run 3: Report of KohoCC — Data Link

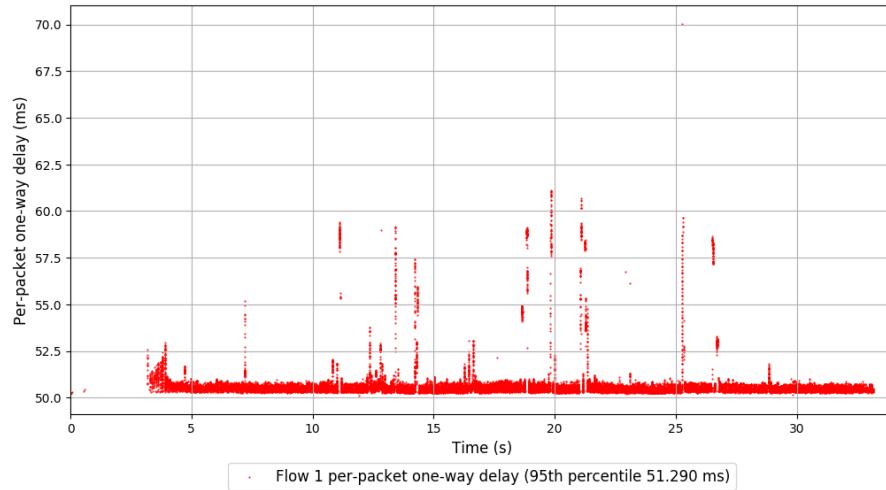
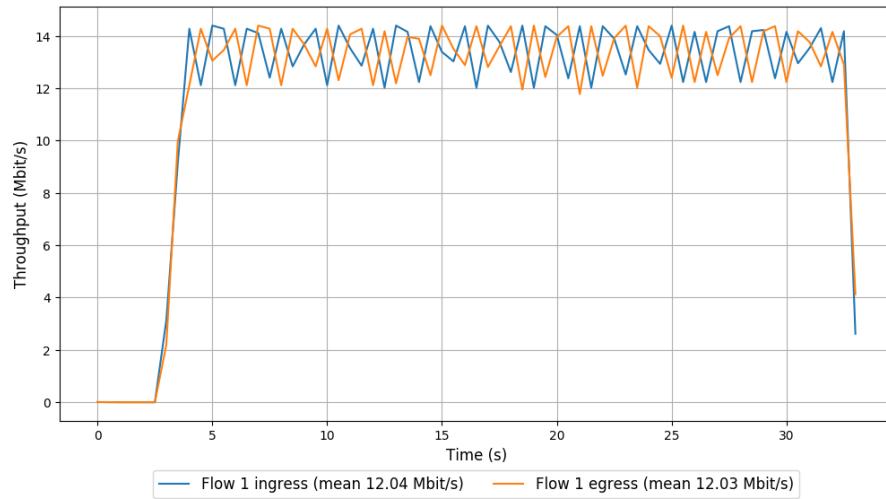


Run 4: Statistics of KohoCC

```
Start at: Wed, 14 Jun 2017 05:34:11 +0000
End at: Wed, 14 Jun 2017 05:34:41 +0000
Local clock offset: -0.112 ms
Remote clock offset: -2.178 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 51.290 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 51.290 ms
Loss rate: 0.11%
```

Run 4: Report of KohoCC — Data Link

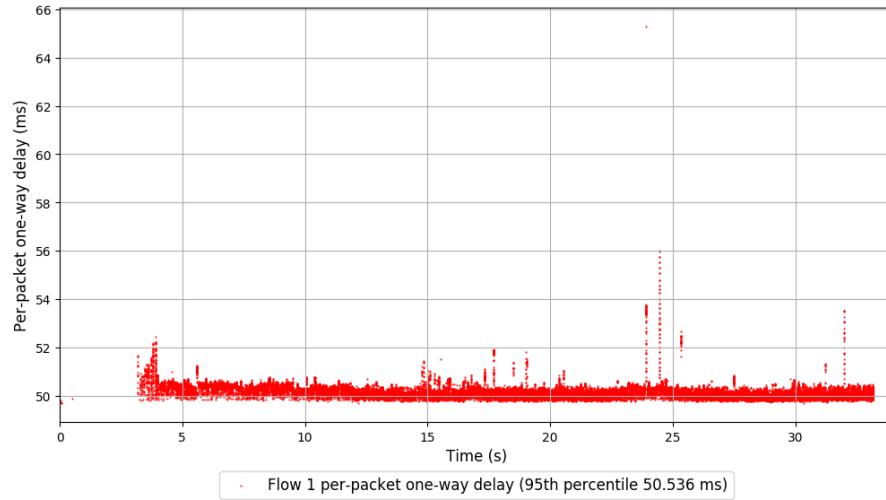
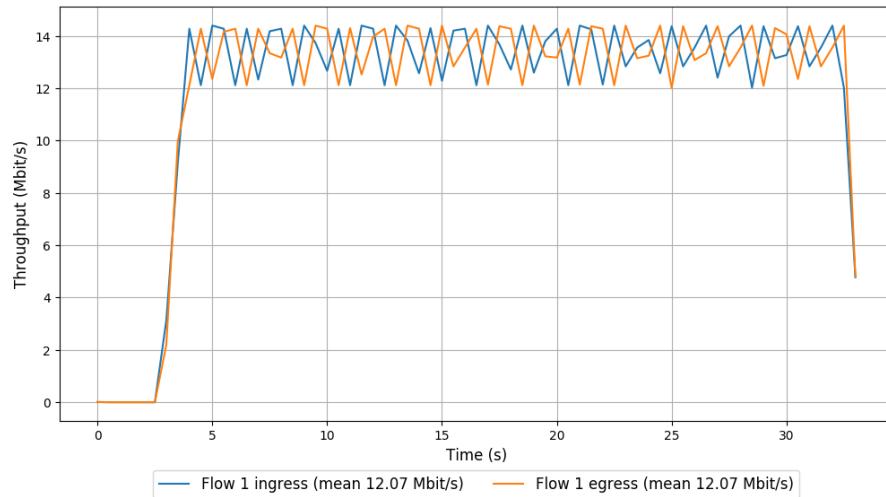


Run 5: Statistics of KohoCC

```
Start at: Wed, 14 Jun 2017 05:53:48 +0000
End at: Wed, 14 Jun 2017 05:54:19 +0000
Local clock offset: -0.369 ms
Remote clock offset: -1.699 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 50.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 50.536 ms
Loss rate: 0.00%
```

Run 5: Report of KohoCC — Data Link

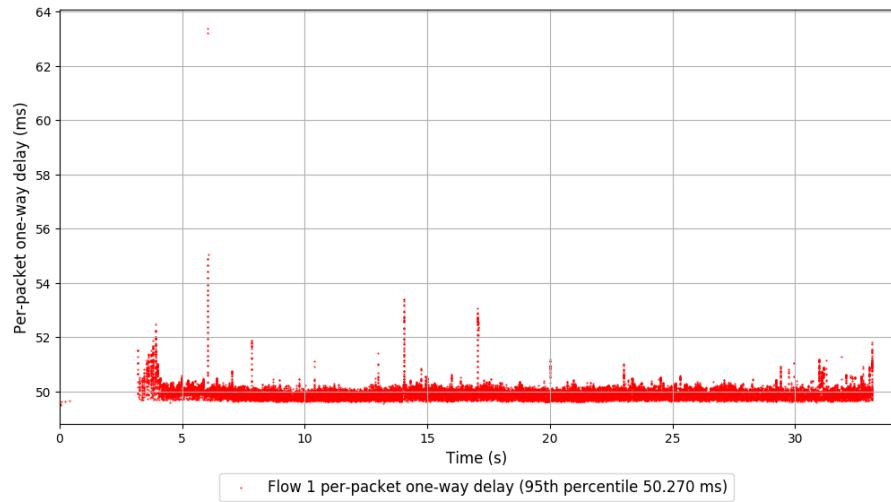
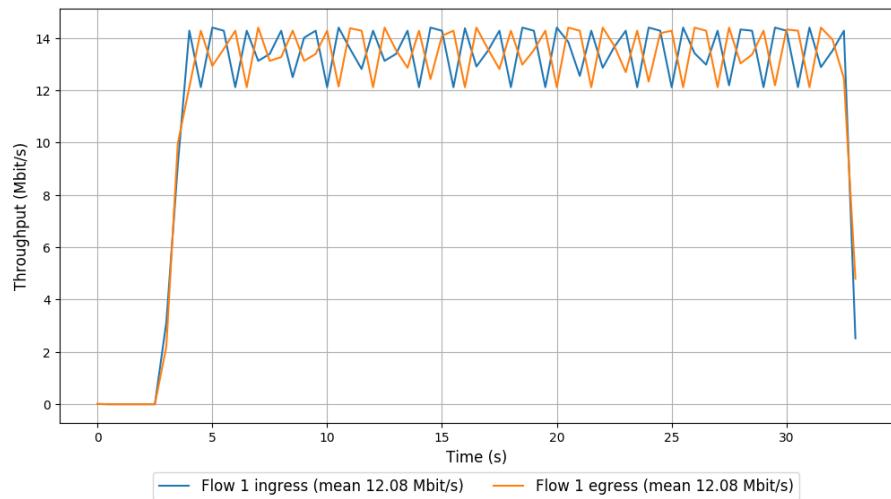


Run 6: Statistics of KohoCC

```
Start at: Wed, 14 Jun 2017 06:13:32 +0000
End at: Wed, 14 Jun 2017 06:14:02 +0000
Local clock offset: -0.649 ms
Remote clock offset: -1.33 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 50.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.08 Mbit/s
95th percentile per-packet one-way delay: 50.270 ms
Loss rate: 0.00%
```

Run 6: Report of KohoCC — Data Link

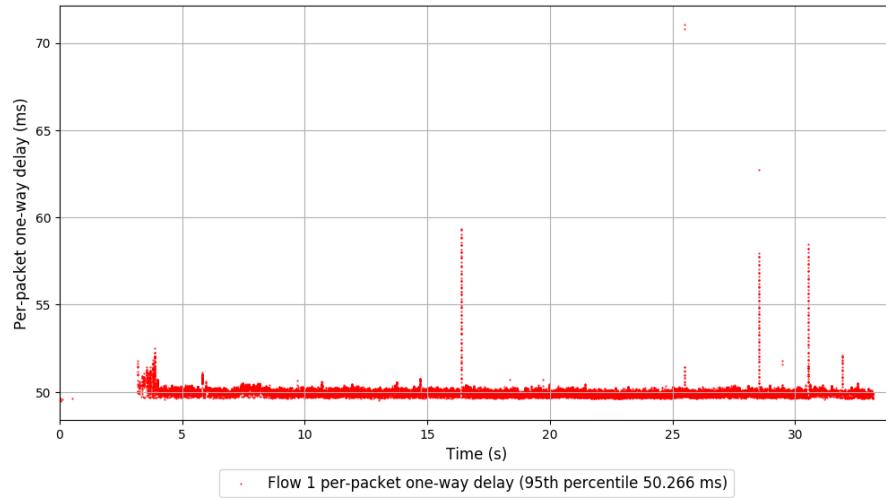
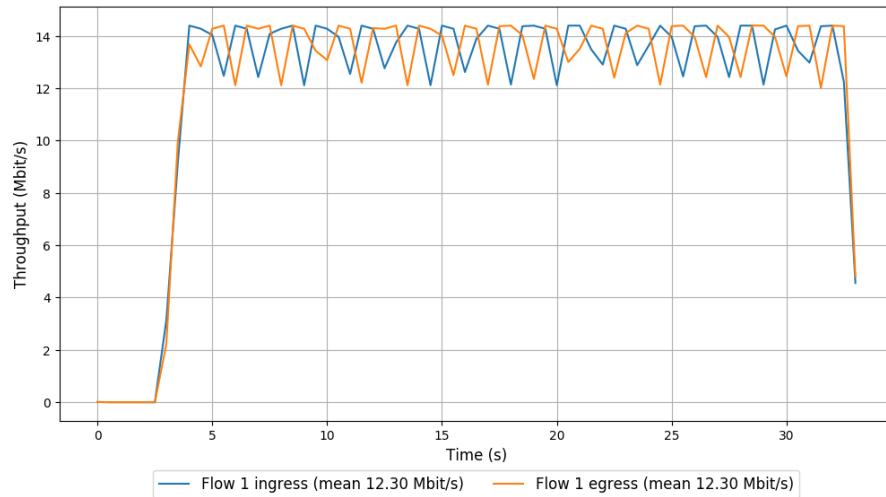


Run 7: Statistics of KohoCC

```
Start at: Wed, 14 Jun 2017 06:33:09 +0000
End at: Wed, 14 Jun 2017 06:33:39 +0000
Local clock offset: -0.715 ms
Remote clock offset: -1.665 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 50.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 50.266 ms
Loss rate: 0.00%
```

Run 7: Report of KohoCC — Data Link

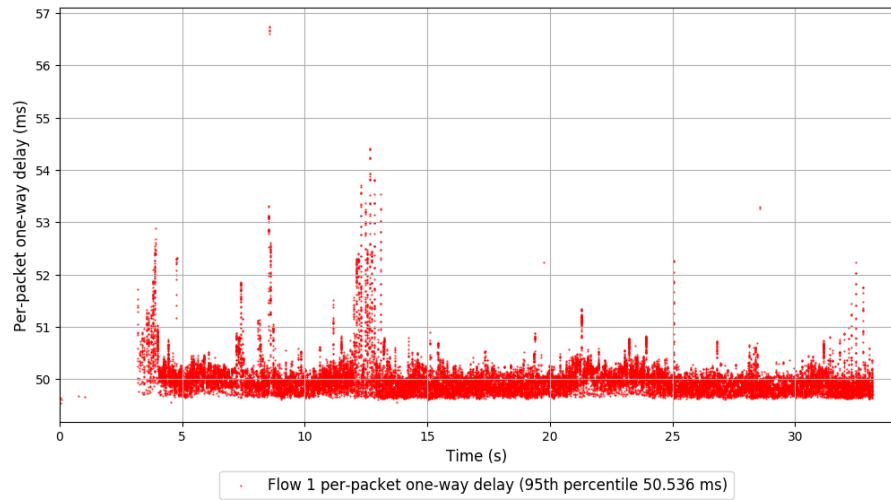
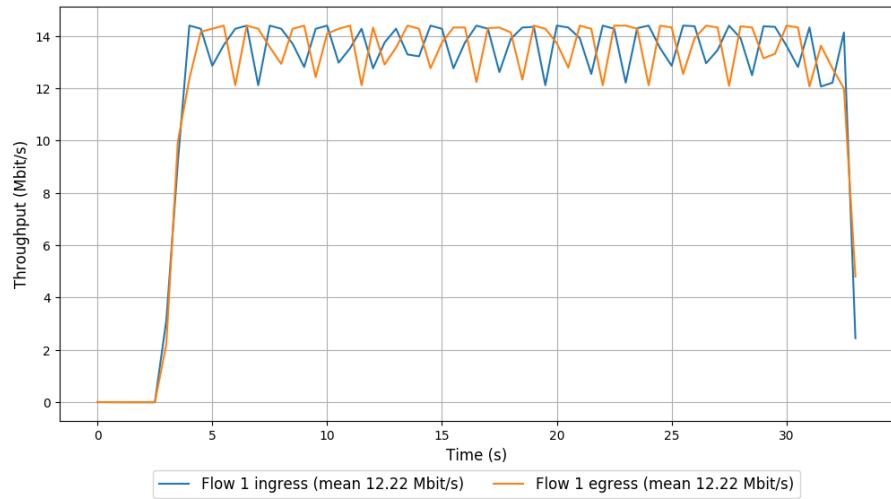


Run 8: Statistics of KohoCC

```
Start at: Wed, 14 Jun 2017 06:52:54 +0000
End at: Wed, 14 Jun 2017 06:53:24 +0000
Local clock offset: -0.669 ms
Remote clock offset: -8.692 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.22 Mbit/s
95th percentile per-packet one-way delay: 50.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.22 Mbit/s
95th percentile per-packet one-way delay: 50.536 ms
Loss rate: 0.00%
```

Run 8: Report of KohoCC — Data Link

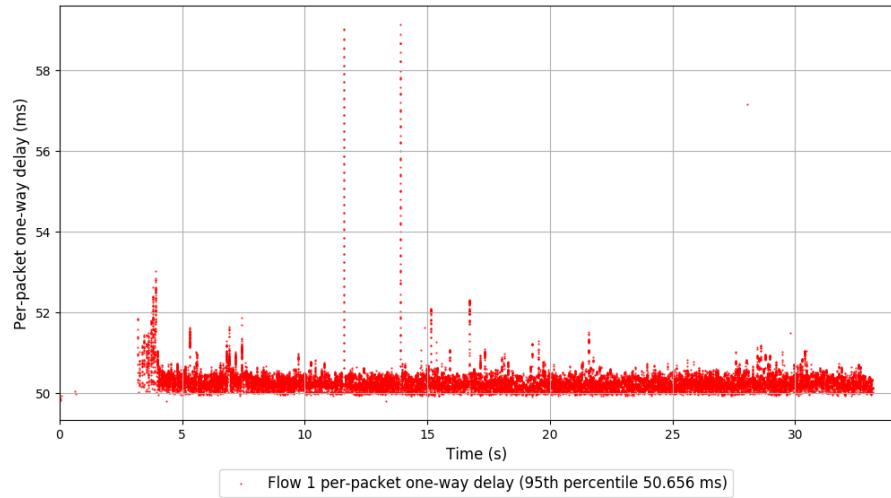
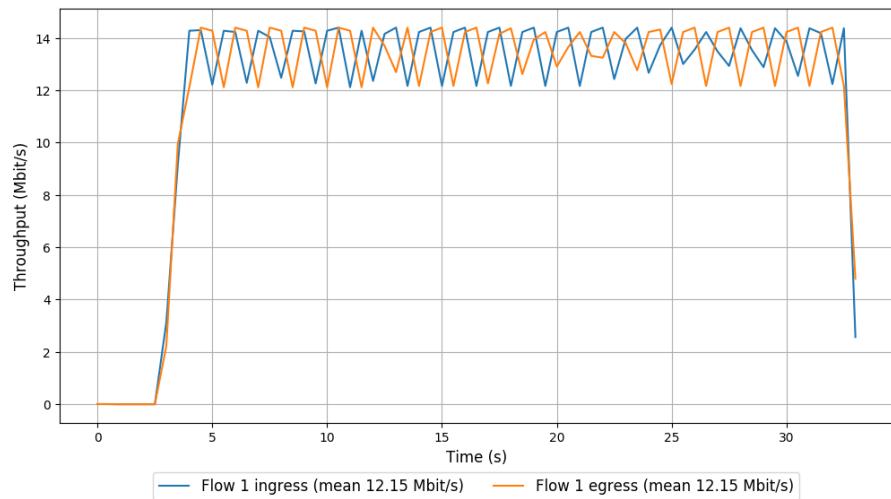


Run 9: Statistics of KohoCC

```
Start at: Wed, 14 Jun 2017 07:12:36 +0000
End at: Wed, 14 Jun 2017 07:13:06 +0000
Local clock offset: -0.401 ms
Remote clock offset: -8.558 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.15 Mbit/s
95th percentile per-packet one-way delay: 50.656 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.15 Mbit/s
95th percentile per-packet one-way delay: 50.656 ms
Loss rate: 0.00%
```

Run 9: Report of KohoCC — Data Link

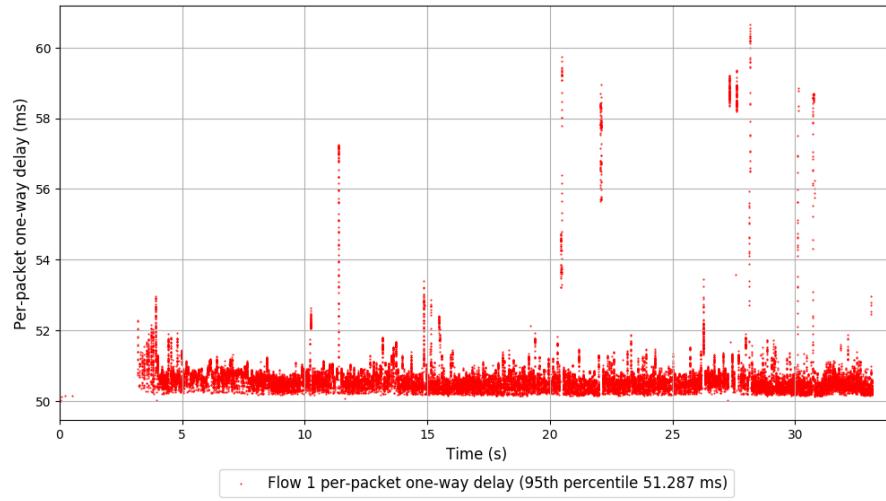
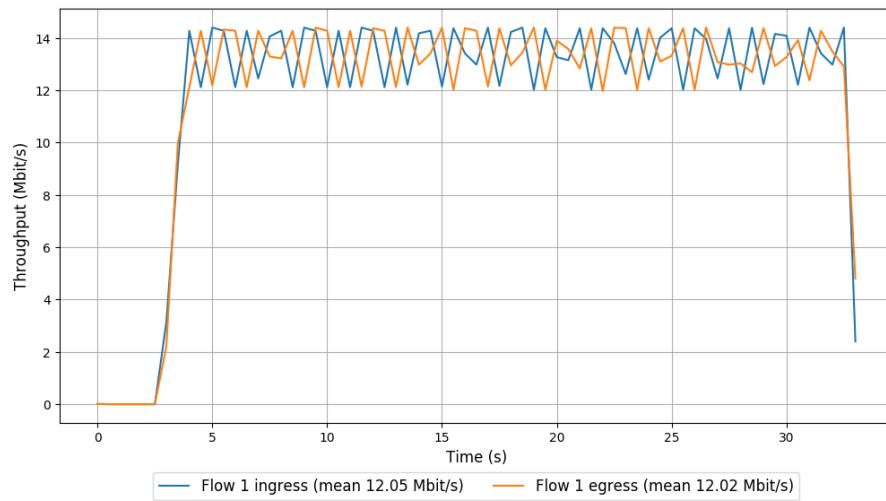


Run 10: Statistics of KohoCC

```
Start at: Wed, 14 Jun 2017 07:32:18 +0000
End at: Wed, 14 Jun 2017 07:32:48 +0000
Local clock offset: -0.234 ms
Remote clock offset: -8.743 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 51.287 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 12.02 Mbit/s
95th percentile per-packet one-way delay: 51.287 ms
Loss rate: 0.23%
```

Run 10: Report of KohoCC — Data Link



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

```
Start at: Wed, 14 Jun 2017 04:41:42 +0000
```

```
End at: Wed, 14 Jun 2017 04:42:12 +0000
```

```
Local clock offset: 1.446 ms
```

```
Remote clock offset: -4.721 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:51 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 25.21 Mbit/s
```

```
95th percentile per-packet one-way delay: 53.139 ms
```

```
Loss rate: 0.04%
```

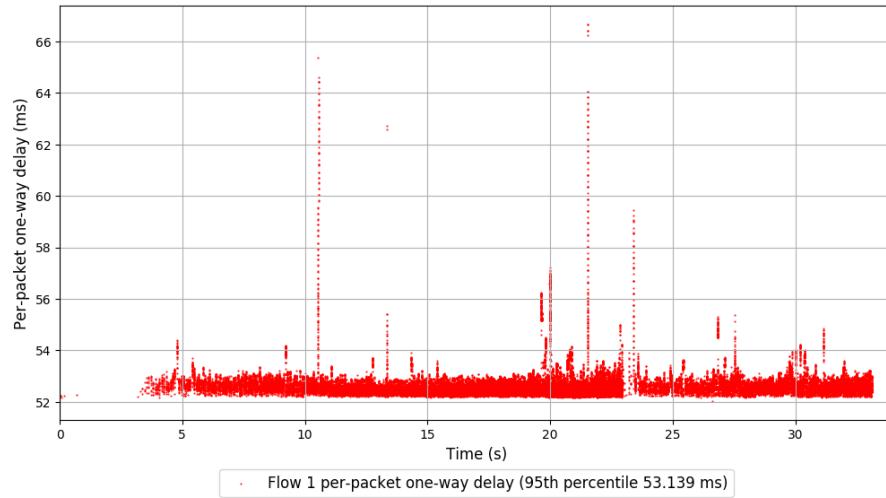
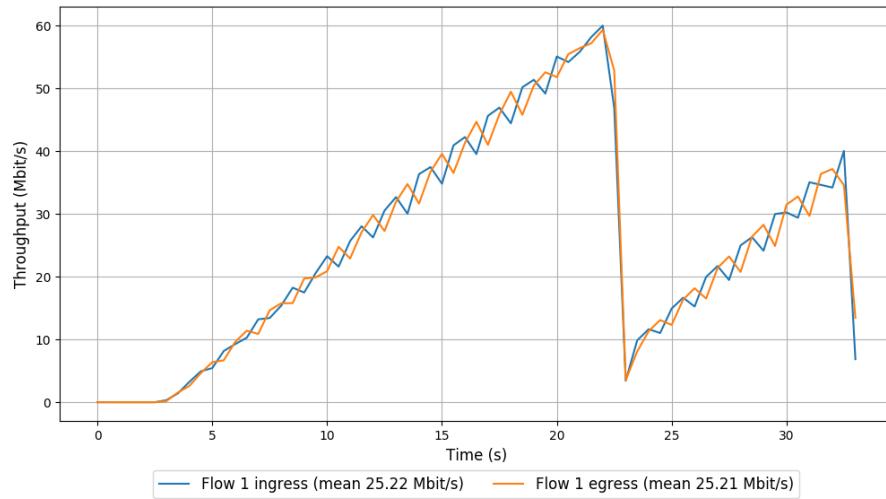
```
-- Flow 1:
```

```
Average throughput: 25.21 Mbit/s
```

```
95th percentile per-packet one-way delay: 53.139 ms
```

```
Loss rate: 0.04%
```

Run 1: Report of LEDBAT — Data Link

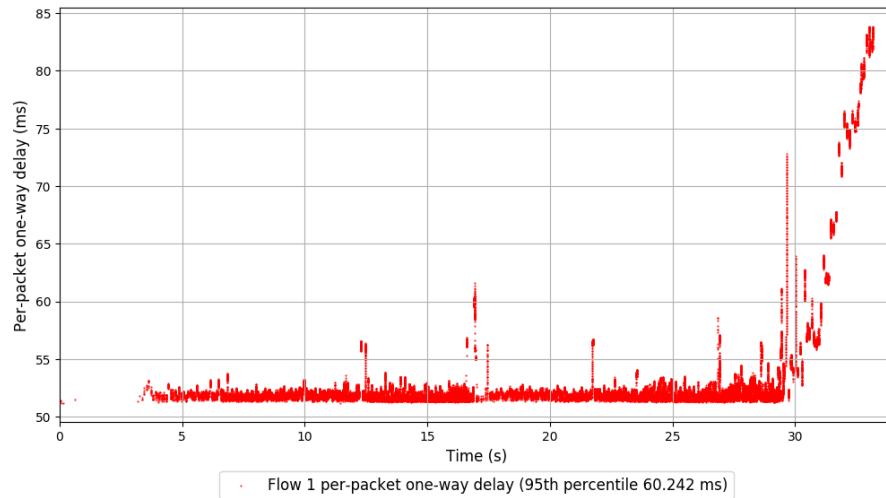
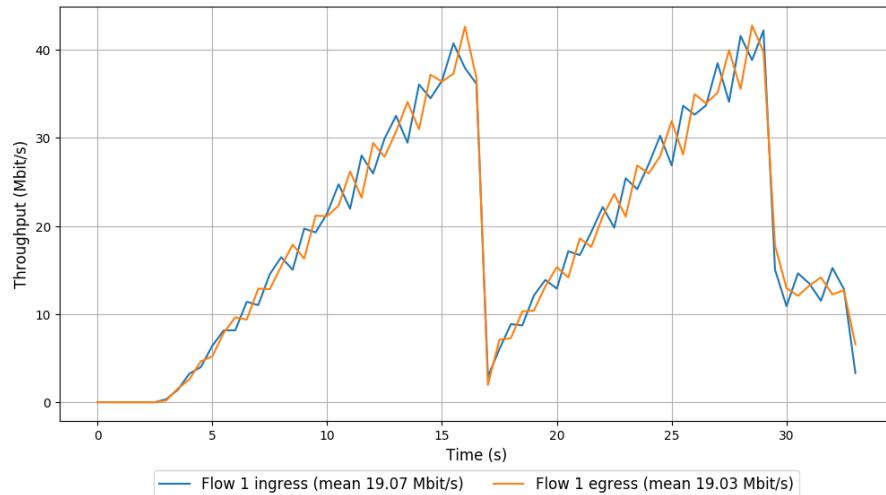


Run 2: Statistics of LEDBAT

```
Start at: Wed, 14 Jun 2017 05:01:22 +0000
End at: Wed, 14 Jun 2017 05:01:52 +0000
Local clock offset: 0.737 ms
Remote clock offset: -2.139 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.03 Mbit/s
95th percentile per-packet one-way delay: 60.242 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 19.03 Mbit/s
95th percentile per-packet one-way delay: 60.242 ms
Loss rate: 0.10%
```

Run 2: Report of LEDBAT — Data Link

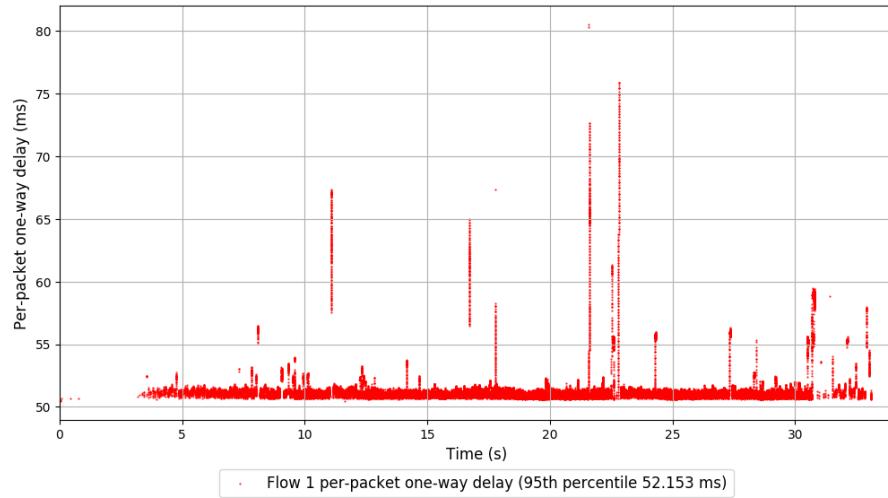
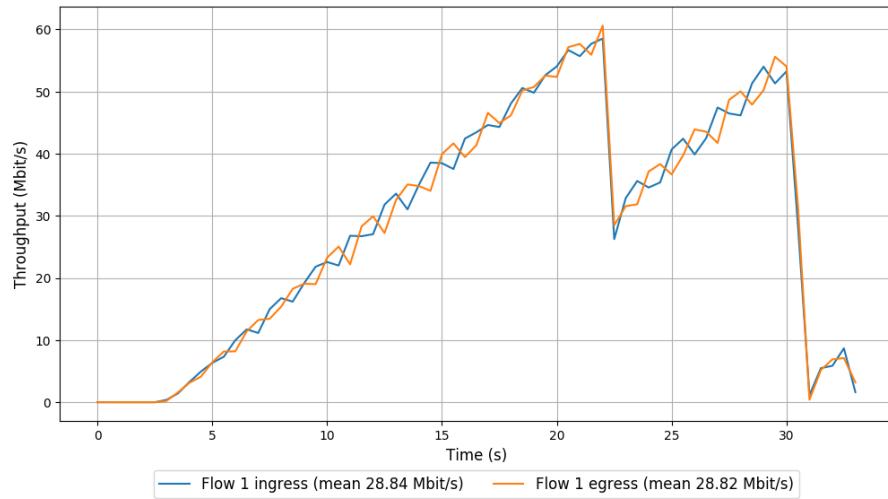


Run 3: Statistics of LEDBAT

```
Start at: Wed, 14 Jun 2017 05:21:11 +0000
End at: Wed, 14 Jun 2017 05:21:41 +0000
Local clock offset: 0.226 ms
Remote clock offset: -1.833 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 52.153 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 28.82 Mbit/s
95th percentile per-packet one-way delay: 52.153 ms
Loss rate: 0.06%
```

Run 3: Report of LEDBAT — Data Link

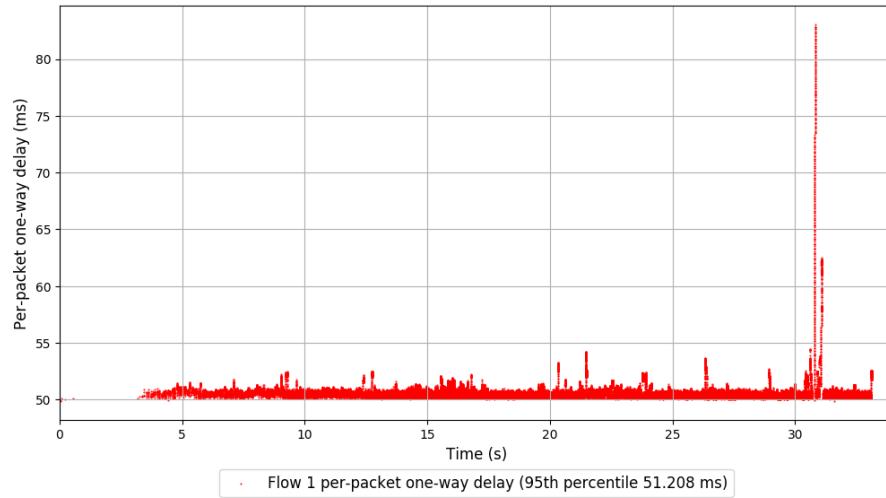
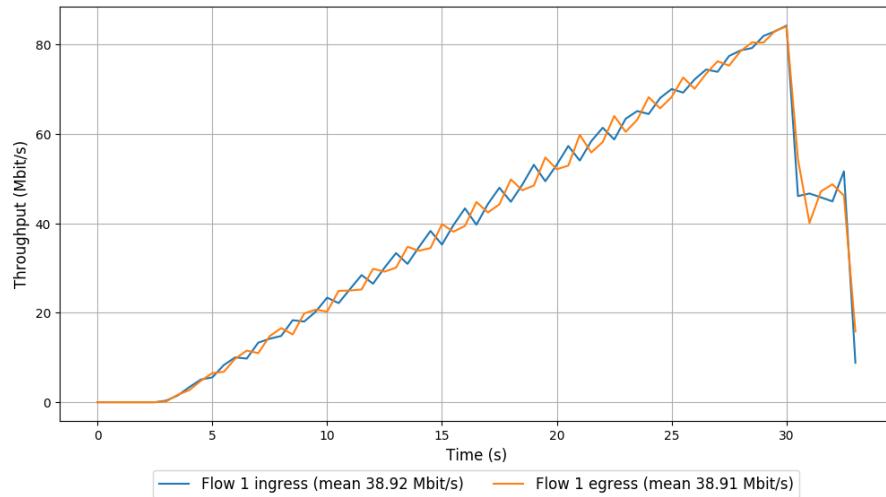


Run 4: Statistics of LEDBAT

```
Start at: Wed, 14 Jun 2017 05:40:49 +0000
End at: Wed, 14 Jun 2017 05:41:19 +0000
Local clock offset: -0.117 ms
Remote clock offset: -1.218 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:46:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 51.208 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 51.208 ms
Loss rate: 0.01%
```

Run 4: Report of LEDBAT — Data Link

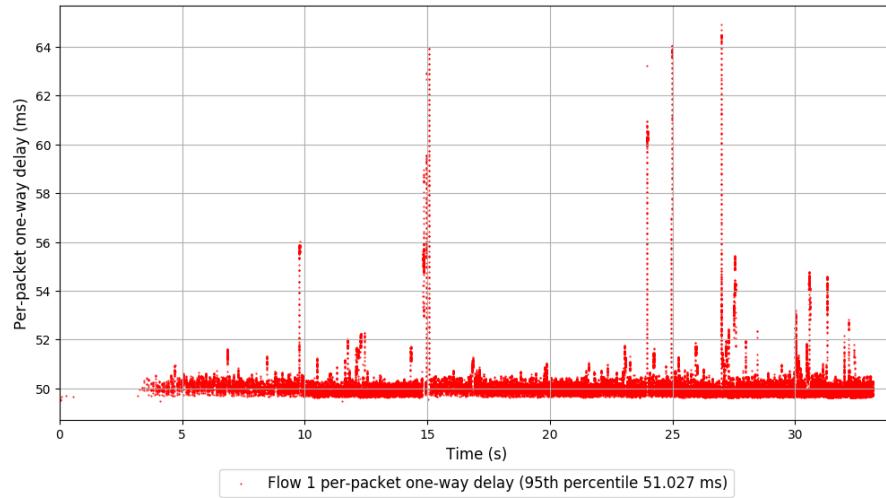
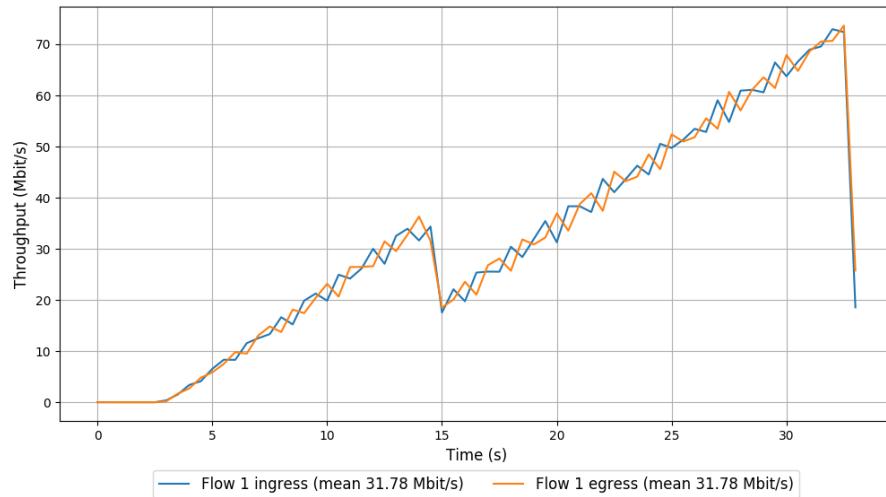


Run 5: Statistics of LEDBAT

```
Start at: Wed, 14 Jun 2017 06:00:25 +0000
End at: Wed, 14 Jun 2017 06:00:55 +0000
Local clock offset: -0.525 ms
Remote clock offset: -2.01 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:47:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 51.027 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 31.78 Mbit/s
95th percentile per-packet one-way delay: 51.027 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

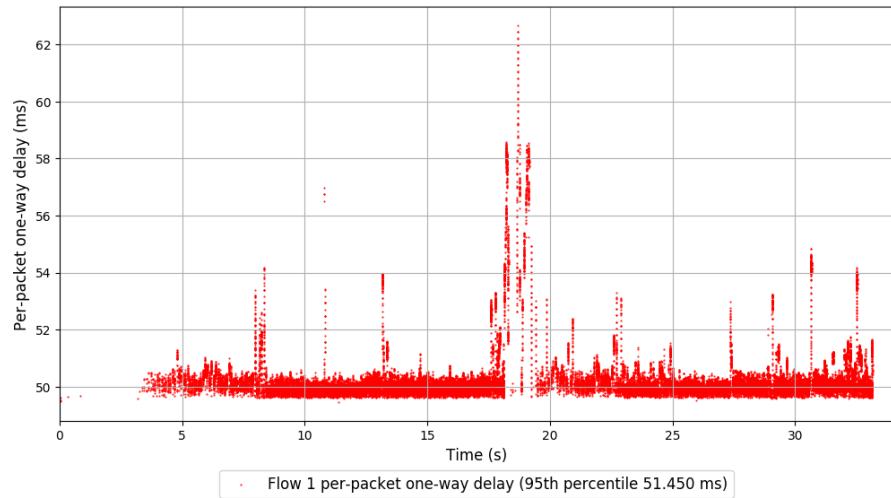
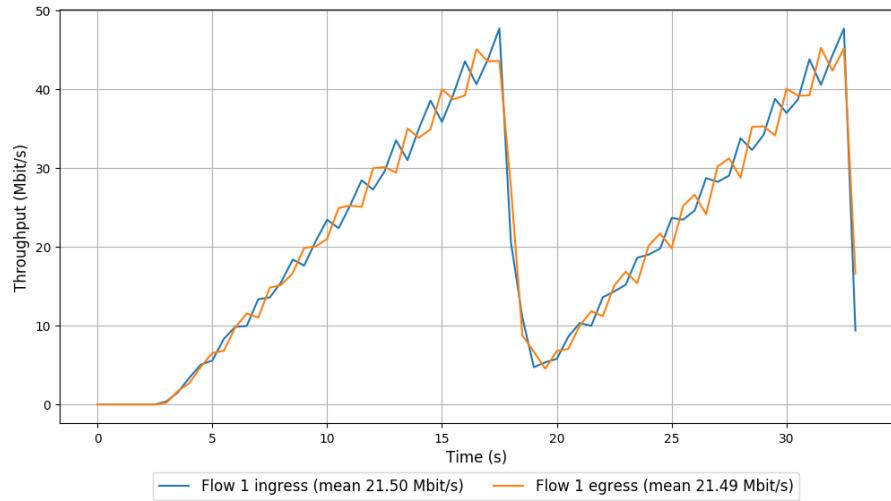


Run 6: Statistics of LEDBAT

```
Start at: Wed, 14 Jun 2017 06:20:09 +0000
End at: Wed, 14 Jun 2017 06:20:39 +0000
Local clock offset: -0.653 ms
Remote clock offset: -2.124 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:47:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.49 Mbit/s
95th percentile per-packet one-way delay: 51.450 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 21.49 Mbit/s
95th percentile per-packet one-way delay: 51.450 ms
Loss rate: 0.04%
```

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Wed, 14 Jun 2017 06:39:50 +0000

End at: Wed, 14 Jun 2017 06:40:20 +0000

Local clock offset: -0.693 ms

Remote clock offset: 0.634 ms

Below is generated by plot.py at Wed, 14 Jun 2017 11:47:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 51.233 ms

Loss rate: 0.07%

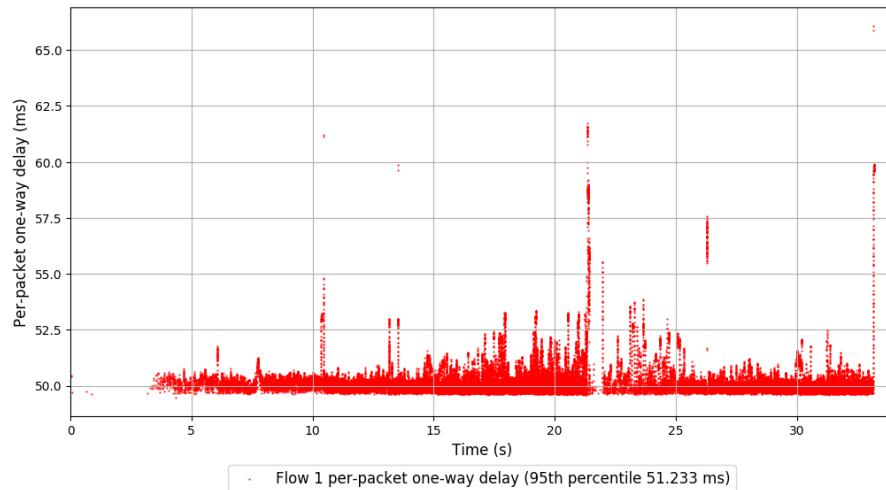
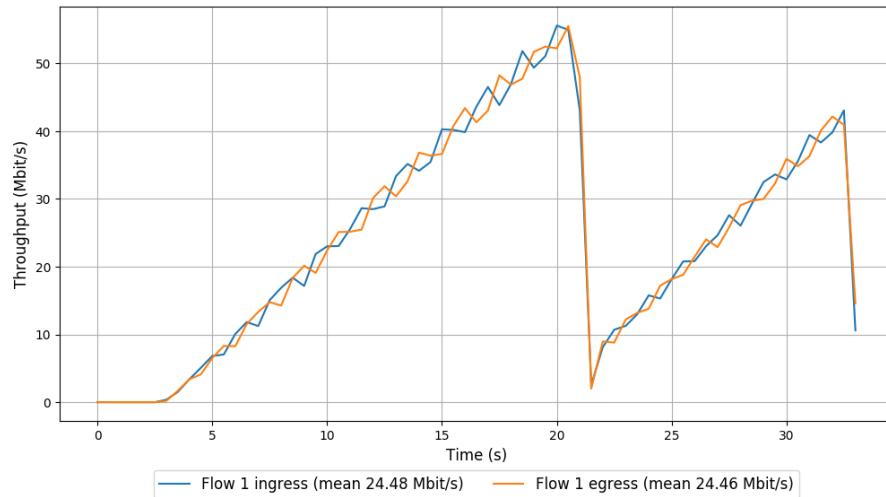
-- Flow 1:

Average throughput: 24.46 Mbit/s

95th percentile per-packet one-way delay: 51.233 ms

Loss rate: 0.07%

Run 7: Report of LEDBAT — Data Link

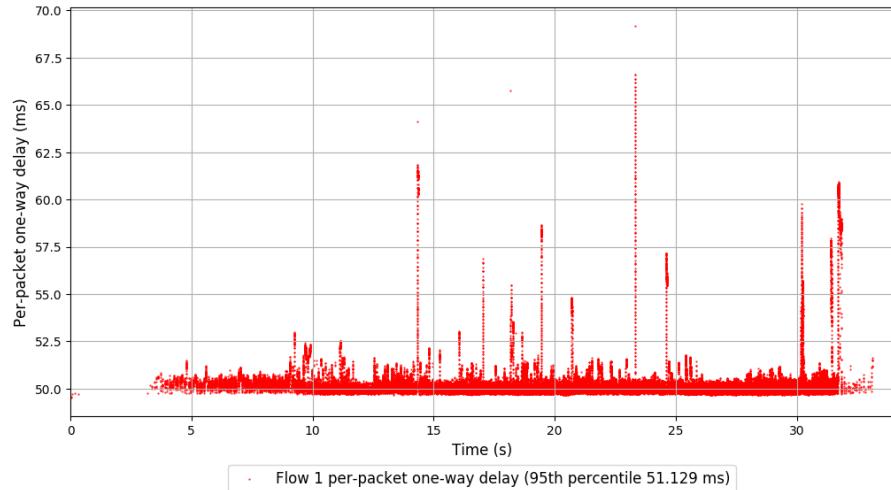
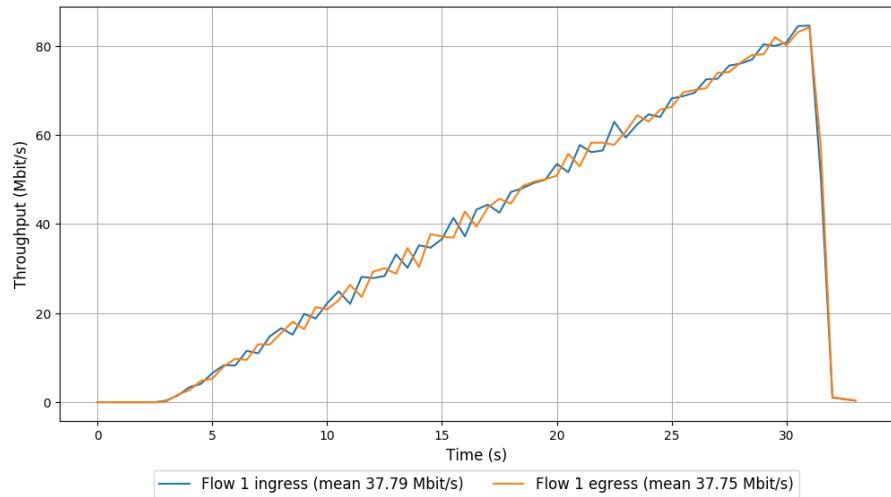


Run 8: Statistics of LEDBAT

```
Start at: Wed, 14 Jun 2017 06:59:32 +0000
End at: Wed, 14 Jun 2017 07:00:03 +0000
Local clock offset: -0.523 ms
Remote clock offset: -8.676 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:47:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 51.129 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 51.129 ms
Loss rate: 0.10%
```

Run 8: Report of LEDBAT — Data Link

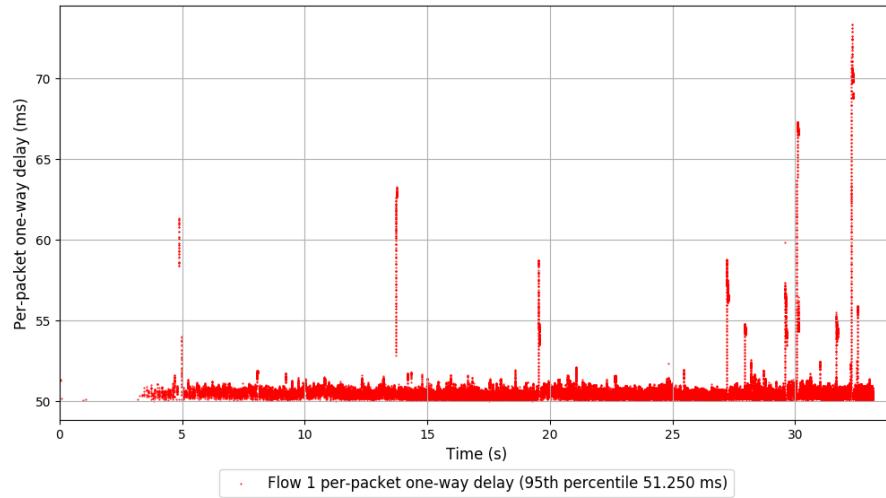
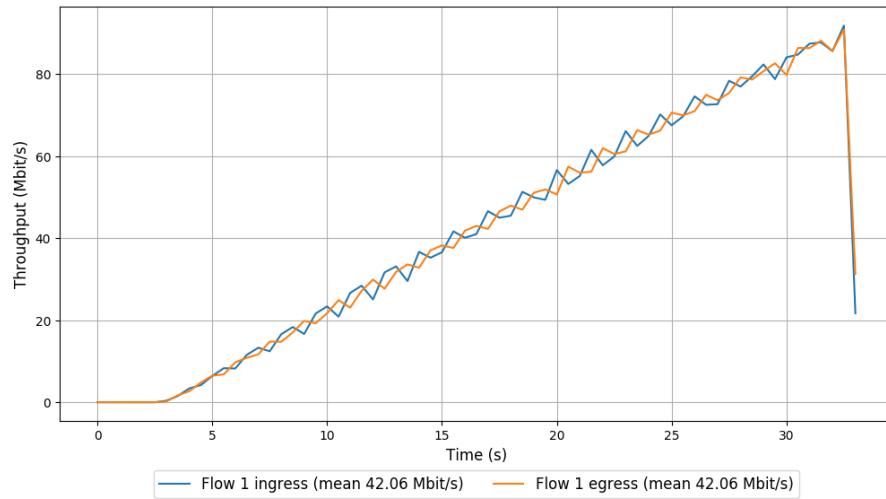


Run 9: Statistics of LEDBAT

```
Start at: Wed, 14 Jun 2017 07:19:14 +0000
End at: Wed, 14 Jun 2017 07:19:44 +0000
Local clock offset: -0.244 ms
Remote clock offset: -9.565 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:47:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.06 Mbit/s
95th percentile per-packet one-way delay: 51.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 42.06 Mbit/s
95th percentile per-packet one-way delay: 51.250 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

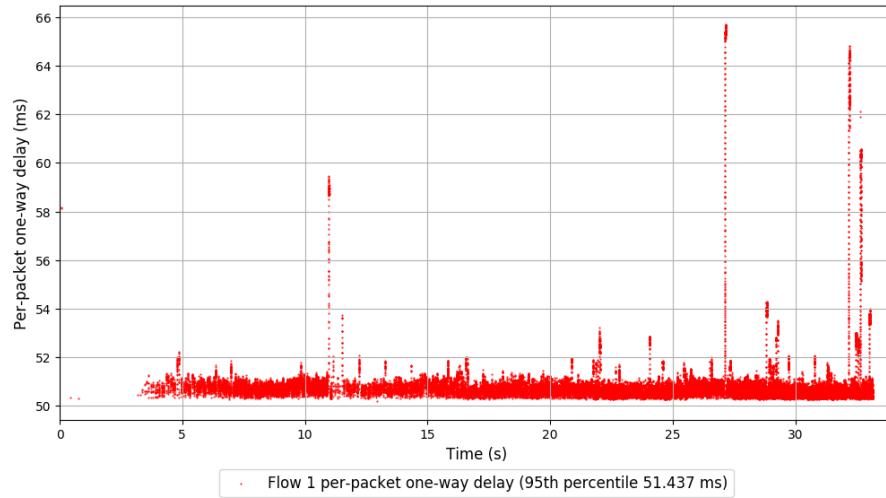
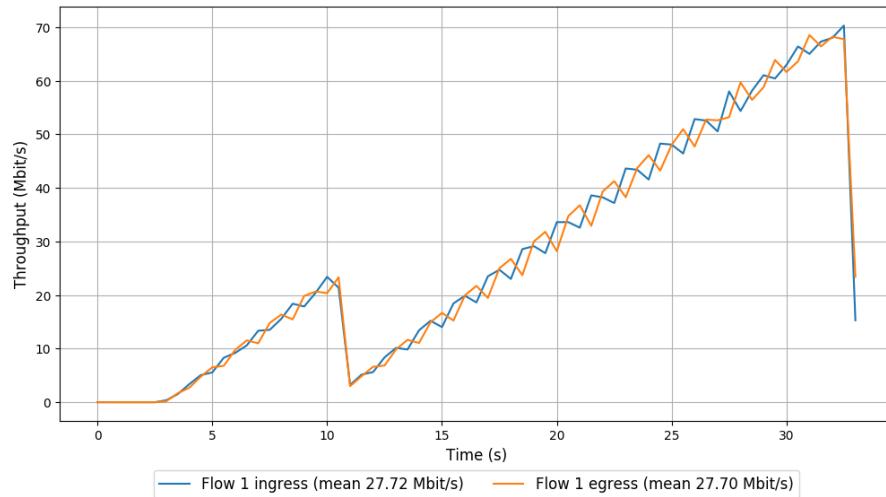


Run 10: Statistics of LEDBAT

```
Start at: Wed, 14 Jun 2017 07:38:59 +0000
End at: Wed, 14 Jun 2017 07:39:29 +0000
Local clock offset: -0.12 ms
Remote clock offset: -8.672 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:47:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 51.437 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 51.437 ms
Loss rate: 0.10%
```

Run 10: Report of LEDBAT — Data Link

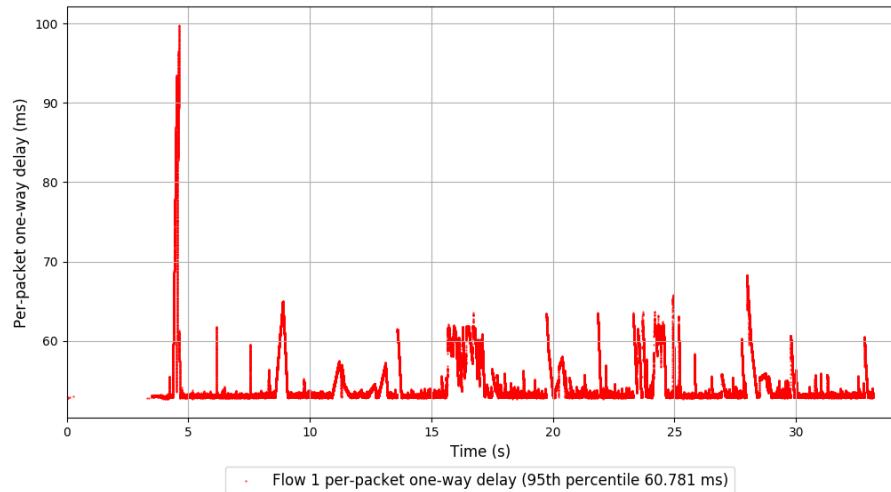
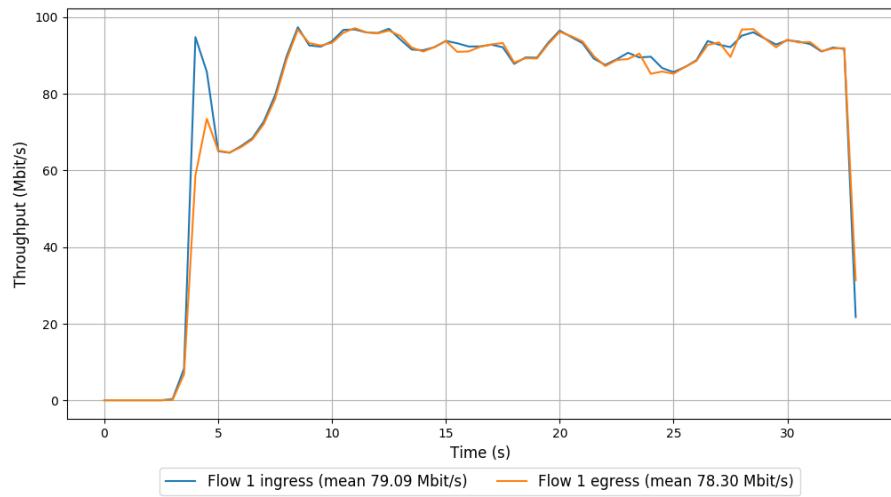


Run 1: Statistics of PCC

```
Start at: Wed, 14 Jun 2017 04:29:47 +0000
End at: Wed, 14 Jun 2017 04:30:17 +0000
Local clock offset: 1.901 ms
Remote clock offset: -1.948 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:47:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.30 Mbit/s
95th percentile per-packet one-way delay: 60.781 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 78.30 Mbit/s
95th percentile per-packet one-way delay: 60.781 ms
Loss rate: 1.01%
```

Run 1: Report of PCC — Data Link

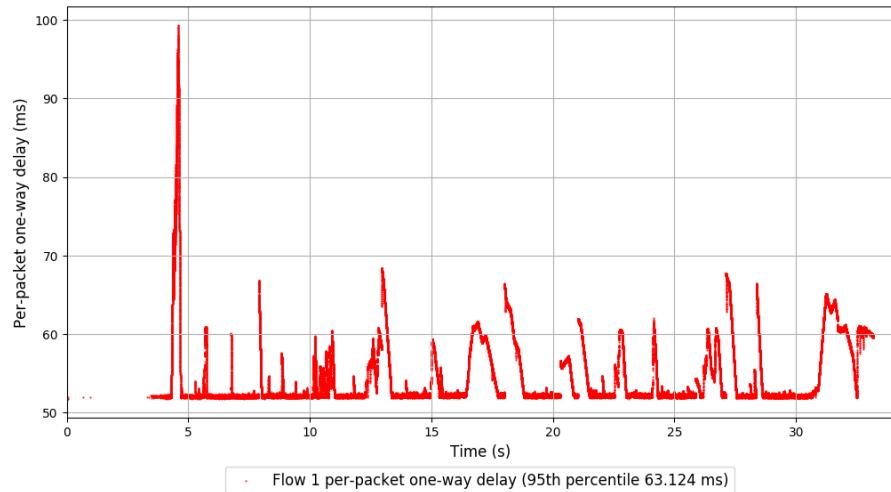
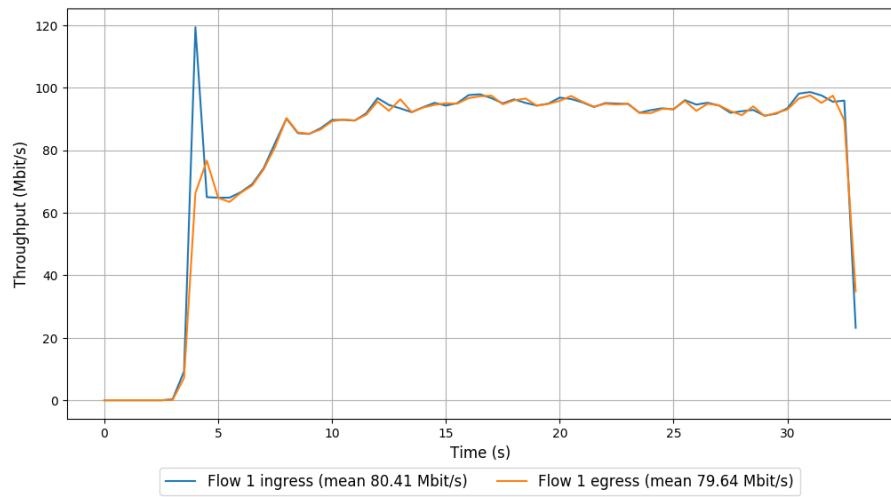


Run 2: Statistics of PCC

```
Start at: Wed, 14 Jun 2017 04:49:27 +0000
End at: Wed, 14 Jun 2017 04:49:57 +0000
Local clock offset: 1.03 ms
Remote clock offset: -2.278 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:47:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.64 Mbit/s
95th percentile per-packet one-way delay: 63.124 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 79.64 Mbit/s
95th percentile per-packet one-way delay: 63.124 ms
Loss rate: 0.93%
```

Run 2: Report of PCC — Data Link

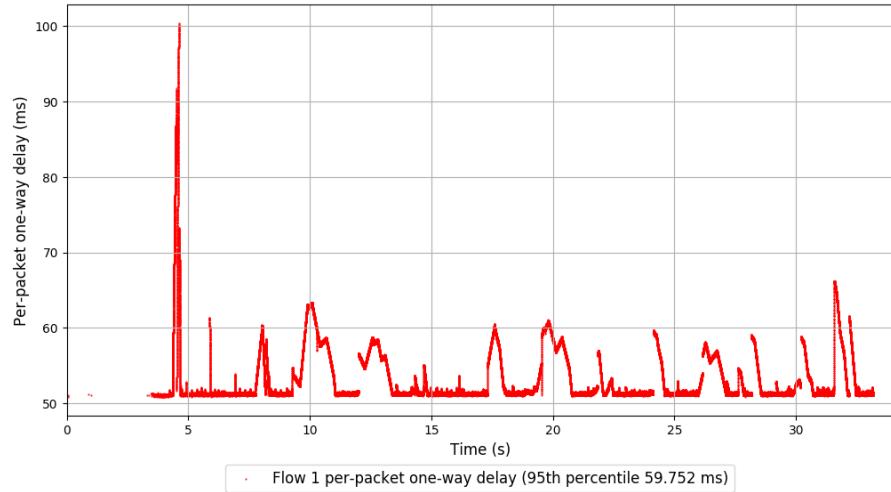
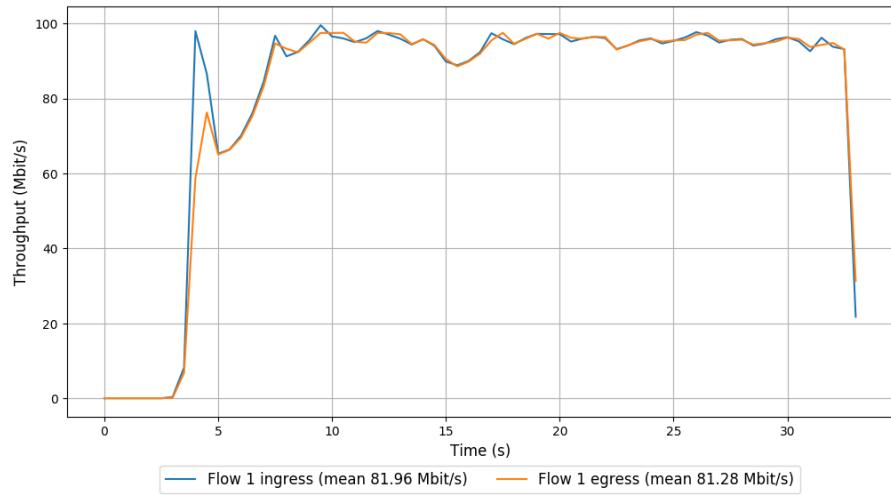


Run 3: Statistics of PCC

```
Start at: Wed, 14 Jun 2017 05:09:07 +0000
End at: Wed, 14 Jun 2017 05:09:37 +0000
Local clock offset: 0.427 ms
Remote clock offset: -4.441 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:47:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.28 Mbit/s
95th percentile per-packet one-way delay: 59.752 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 81.28 Mbit/s
95th percentile per-packet one-way delay: 59.752 ms
Loss rate: 0.82%
```

Run 3: Report of PCC — Data Link

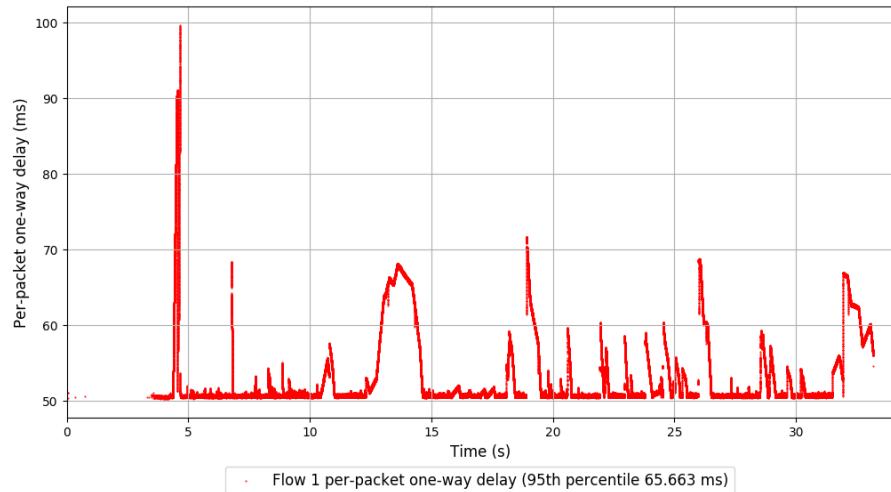
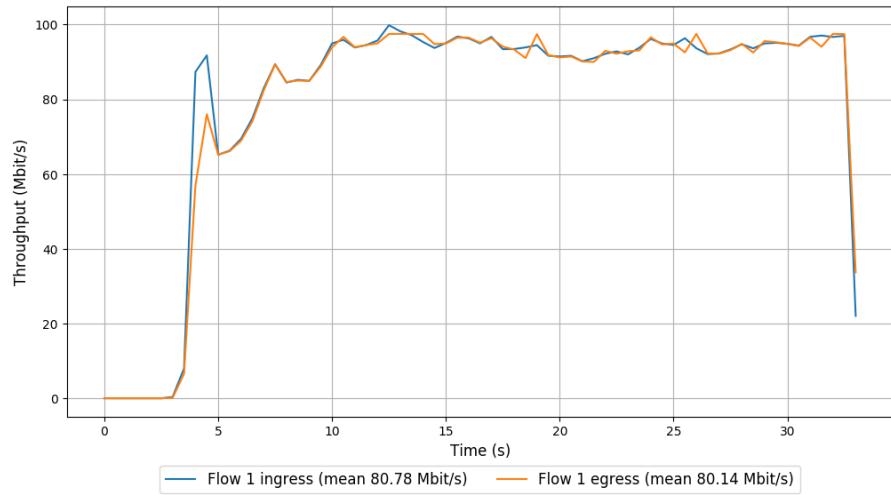


Run 4: Statistics of PCC

```
Start at: Wed, 14 Jun 2017 05:28:55 +0000
End at: Wed, 14 Jun 2017 05:29:25 +0000
Local clock offset: -0.04 ms
Remote clock offset: -1.328 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:47:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.14 Mbit/s
95th percentile per-packet one-way delay: 65.663 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 80.14 Mbit/s
95th percentile per-packet one-way delay: 65.663 ms
Loss rate: 0.78%
```

Run 4: Report of PCC — Data Link

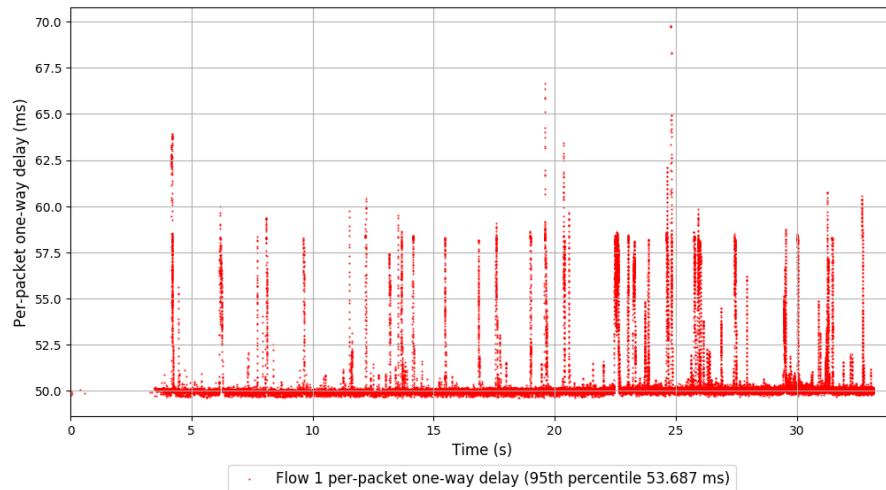
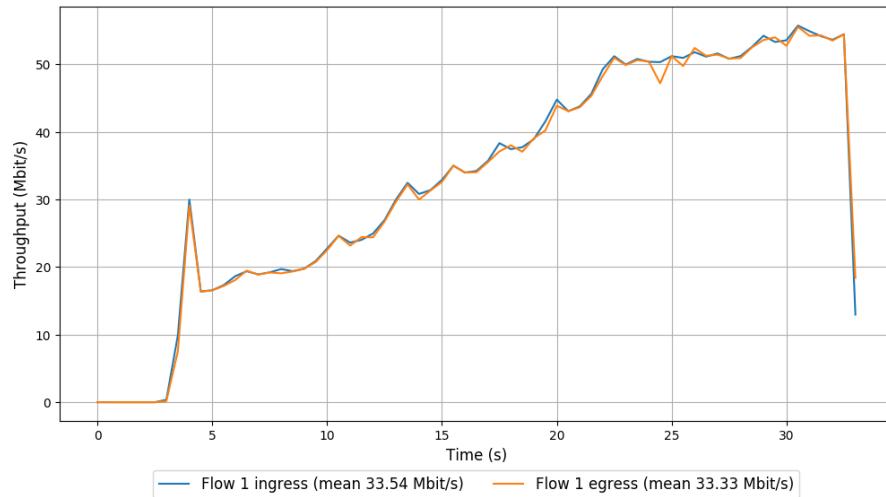


Run 5: Statistics of PCC

```
Start at: Wed, 14 Jun 2017 05:48:35 +0000
End at: Wed, 14 Jun 2017 05:49:05 +0000
Local clock offset: -0.303 ms
Remote clock offset: -1.18 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:47:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 53.687 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 33.33 Mbit/s
95th percentile per-packet one-way delay: 53.687 ms
Loss rate: 0.62%
```

Run 5: Report of PCC — Data Link

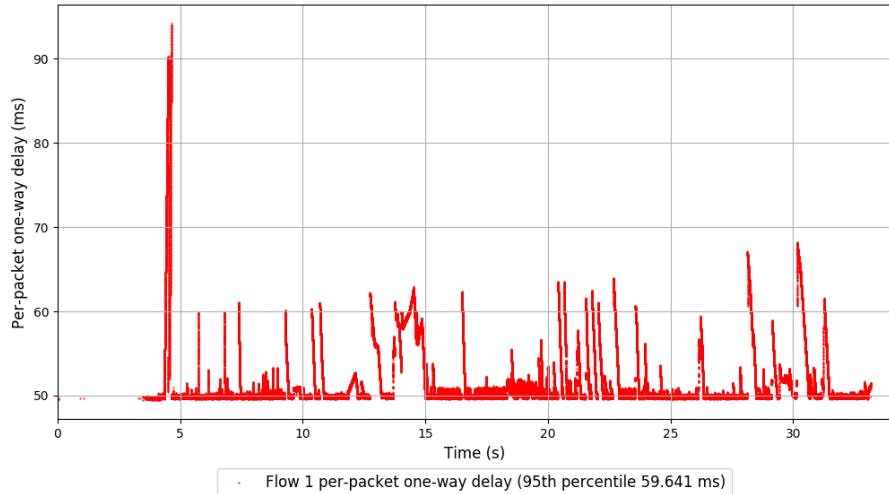
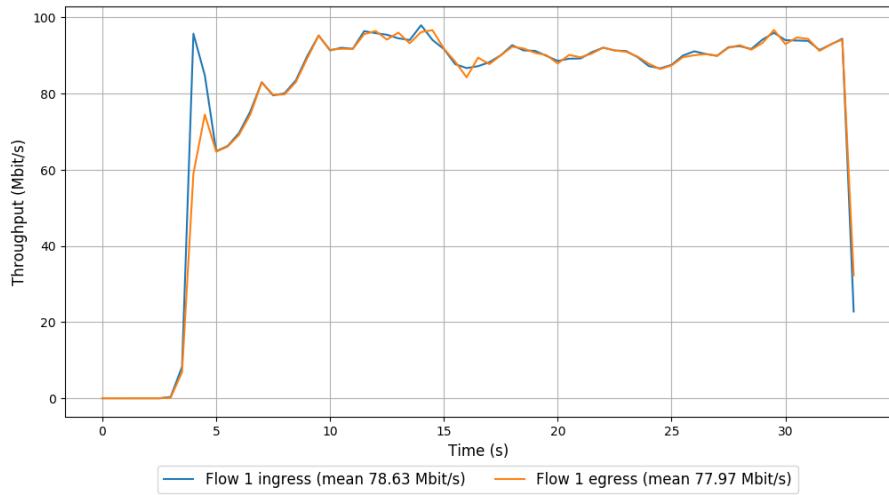


Run 6: Statistics of PCC

```
Start at: Wed, 14 Jun 2017 06:08:11 +0000
End at: Wed, 14 Jun 2017 06:08:41 +0000
Local clock offset: -0.739 ms
Remote clock offset: -1.23 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:47:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.97 Mbit/s
95th percentile per-packet one-way delay: 59.641 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 77.97 Mbit/s
95th percentile per-packet one-way delay: 59.641 ms
Loss rate: 0.84%
```

Run 6: Report of PCC — Data Link

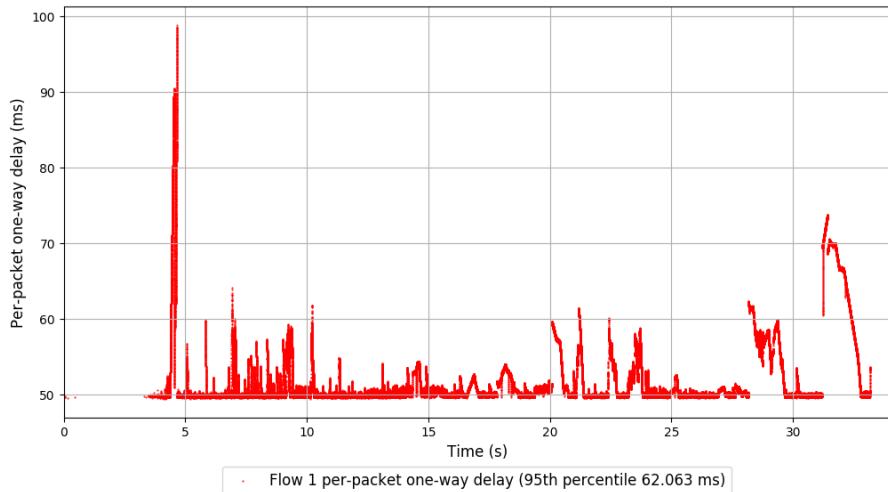
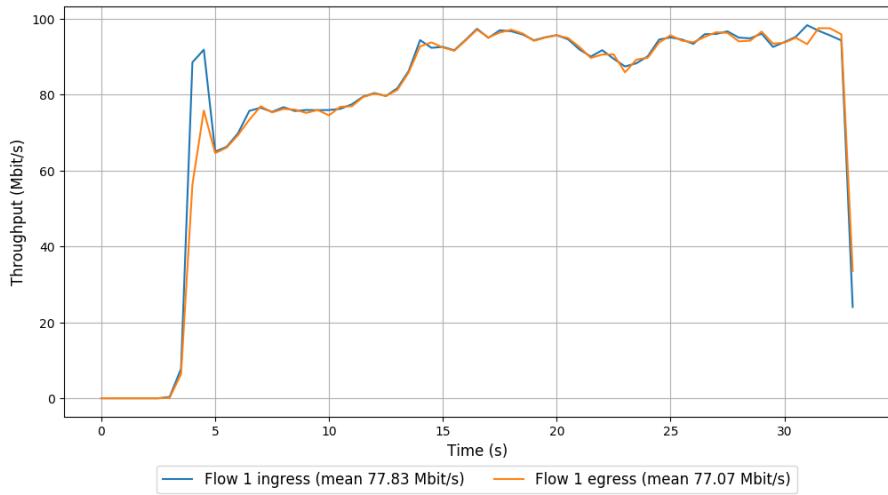


Run 7: Statistics of PCC

```
Start at: Wed, 14 Jun 2017 06:27:51 +0000
End at: Wed, 14 Jun 2017 06:28:21 +0000
Local clock offset: -0.704 ms
Remote clock offset: -2.128 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:47:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 62.063 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 77.07 Mbit/s
95th percentile per-packet one-way delay: 62.063 ms
Loss rate: 0.97%
```

Run 7: Report of PCC — Data Link

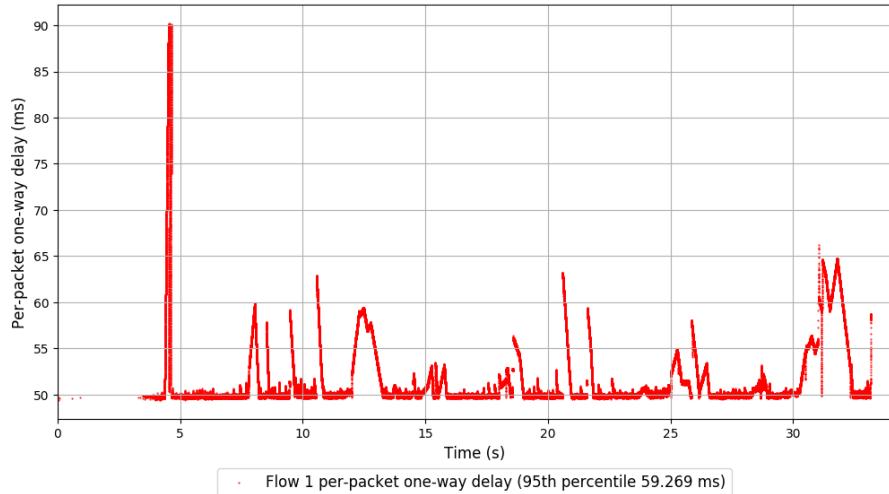
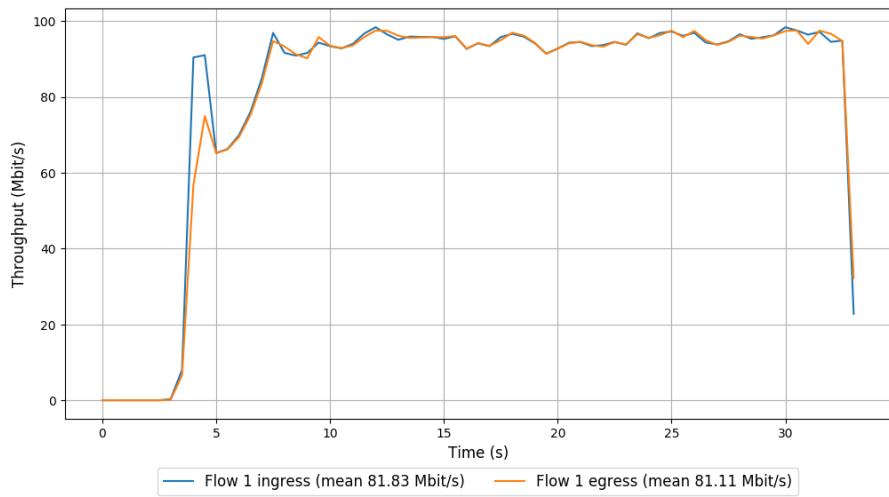


Run 8: Statistics of PCC

```
Start at: Wed, 14 Jun 2017 06:47:33 +0000
End at: Wed, 14 Jun 2017 06:48:03 +0000
Local clock offset: -0.558 ms
Remote clock offset: -11.2 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.11 Mbit/s
95th percentile per-packet one-way delay: 59.269 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 81.11 Mbit/s
95th percentile per-packet one-way delay: 59.269 ms
Loss rate: 0.85%
```

Run 8: Report of PCC — Data Link

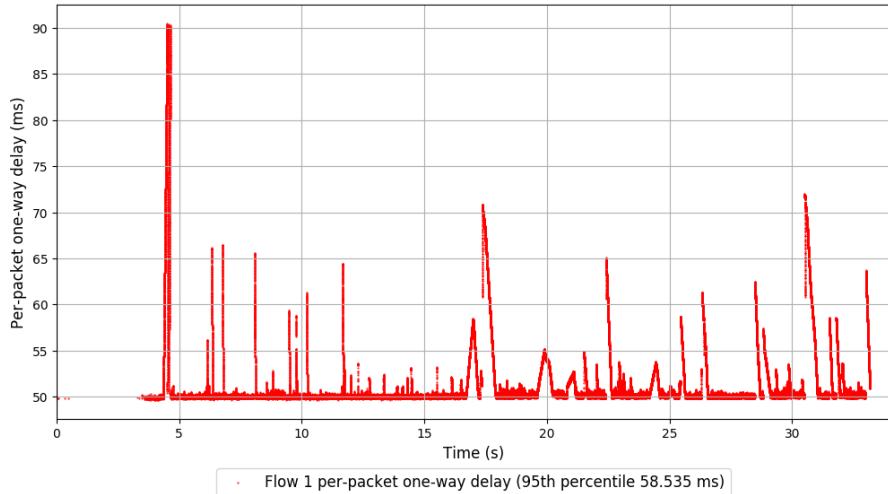
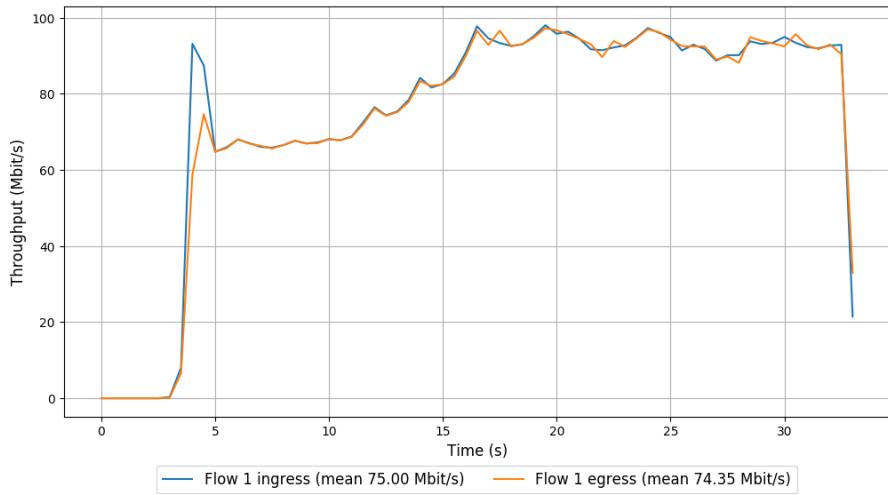


Run 9: Statistics of PCC

```
Start at: Wed, 14 Jun 2017 07:07:17 +0000
End at: Wed, 14 Jun 2017 07:07:47 +0000
Local clock offset: -0.485 ms
Remote clock offset: -9.526 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.35 Mbit/s
95th percentile per-packet one-way delay: 58.535 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 74.35 Mbit/s
95th percentile per-packet one-way delay: 58.535 ms
Loss rate: 0.88%
```

Run 9: Report of PCC — Data Link

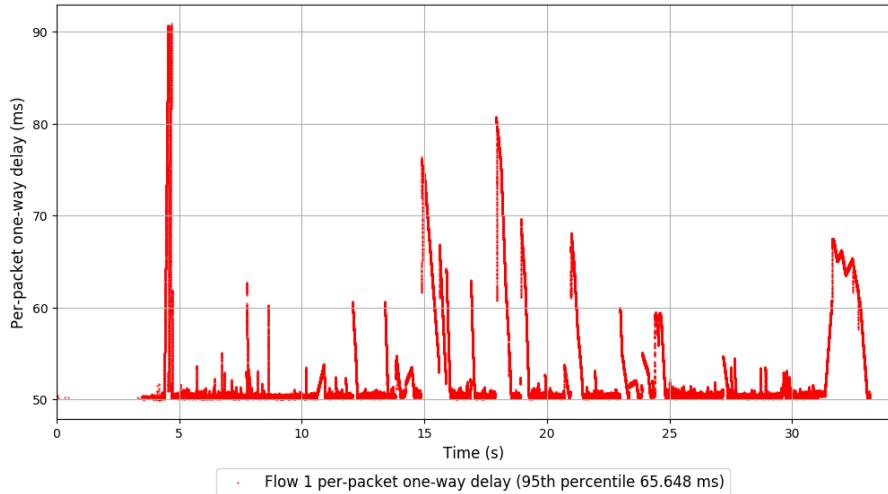
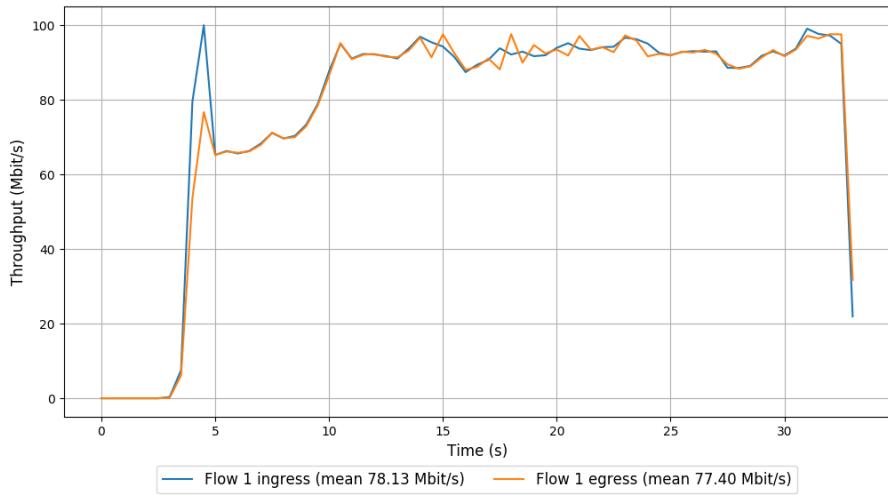


Run 10: Statistics of PCC

```
Start at: Wed, 14 Jun 2017 07:26:59 +0000
End at: Wed, 14 Jun 2017 07:27:29 +0000
Local clock offset: -0.153 ms
Remote clock offset: -9.112 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.40 Mbit/s
95th percentile per-packet one-way delay: 65.648 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 77.40 Mbit/s
95th percentile per-packet one-way delay: 65.648 ms
Loss rate: 0.95%
```

Run 10: Report of PCC — Data Link



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

```
Start at: Wed, 14 Jun 2017 04:46:55 +0000
```

```
End at: Wed, 14 Jun 2017 04:47:25 +0000
```

```
Local clock offset: 1.143 ms
```

```
Remote clock offset: -2.313 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:15 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 14.37 Mbit/s
```

```
95th percentile per-packet one-way delay: 77.452 ms
```

```
Loss rate: 0.94%
```

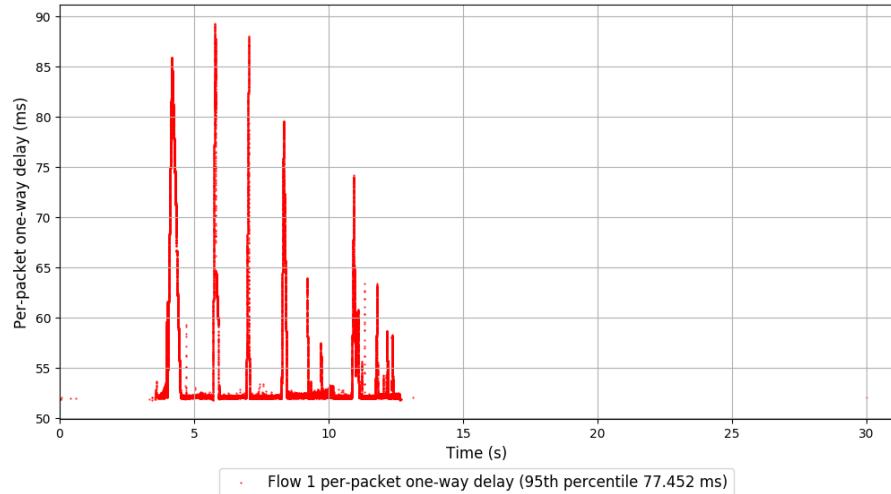
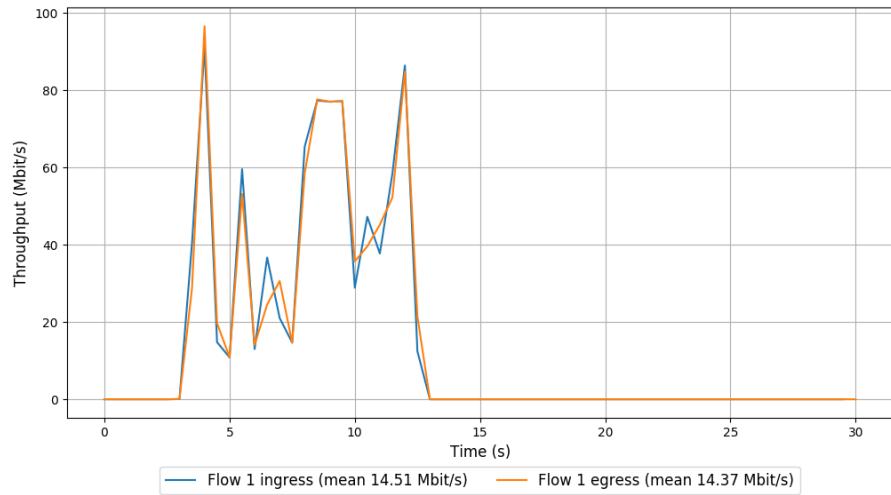
```
-- Flow 1:
```

```
Average throughput: 14.37 Mbit/s
```

```
95th percentile per-packet one-way delay: 77.452 ms
```

```
Loss rate: 0.94%
```

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

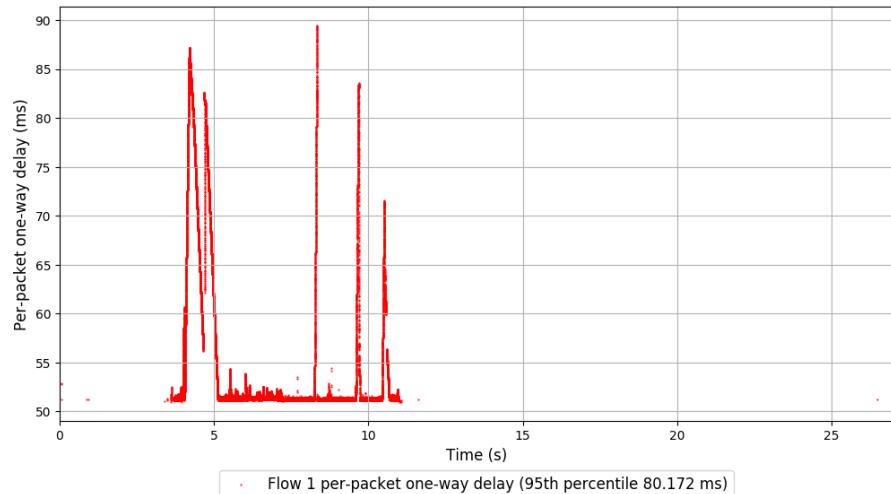
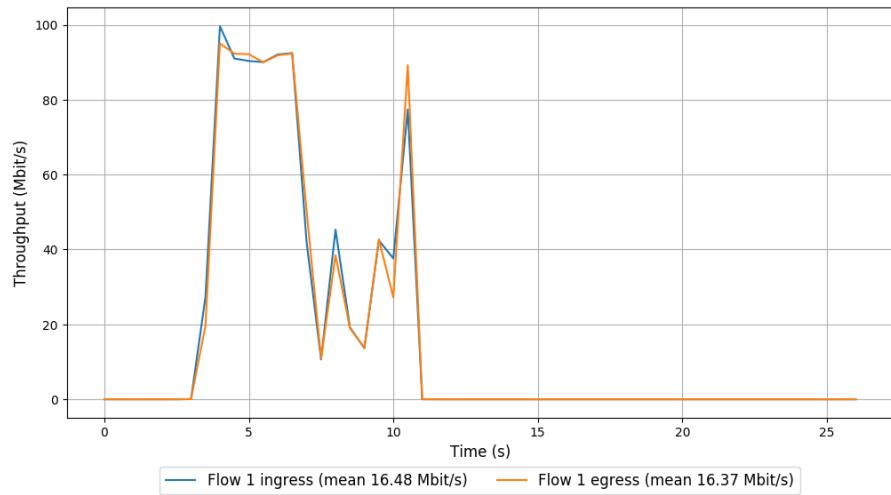


Run 2: Statistics of QUIC Cubic (toy)

```
Start at: Wed, 14 Jun 2017 05:06:35 +0000
End at: Wed, 14 Jun 2017 05:07:05 +0000
Local clock offset: 0.559 ms
Remote clock offset: -4.472 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.37 Mbit/s
95th percentile per-packet one-way delay: 80.172 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 16.37 Mbit/s
95th percentile per-packet one-way delay: 80.172 ms
Loss rate: 0.69%
```

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

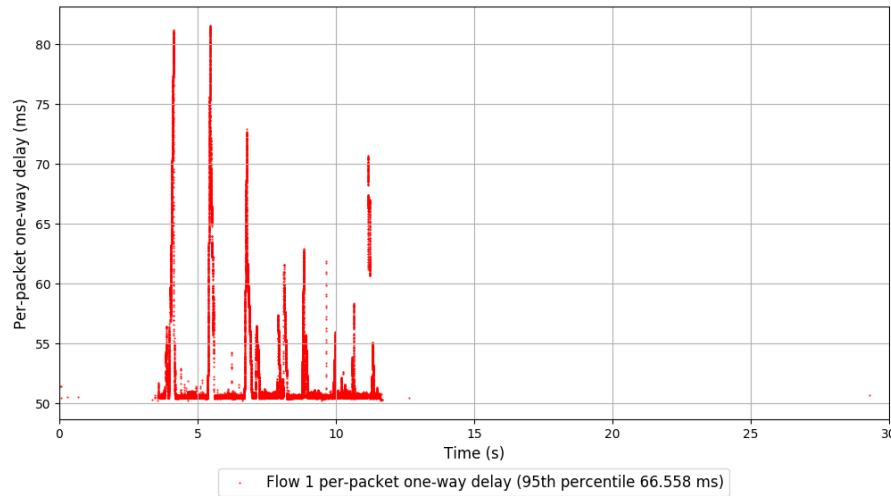
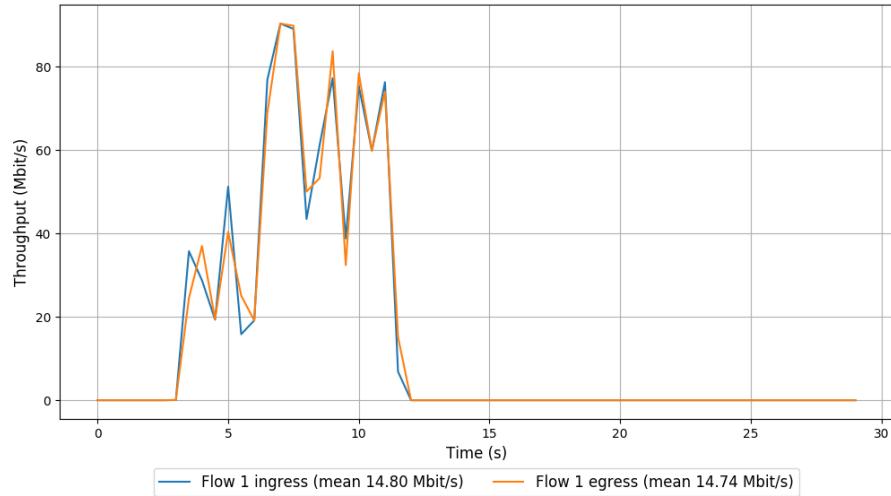


Run 3: Statistics of QUIC Cubic (toy)

```
Start at: Wed, 14 Jun 2017 05:26:23 +0000
End at: Wed, 14 Jun 2017 05:26:53 +0000
Local clock offset: 0.039 ms
Remote clock offset: -2.266 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 66.558 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 14.74 Mbit/s
95th percentile per-packet one-way delay: 66.558 ms
Loss rate: 0.44%
```

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

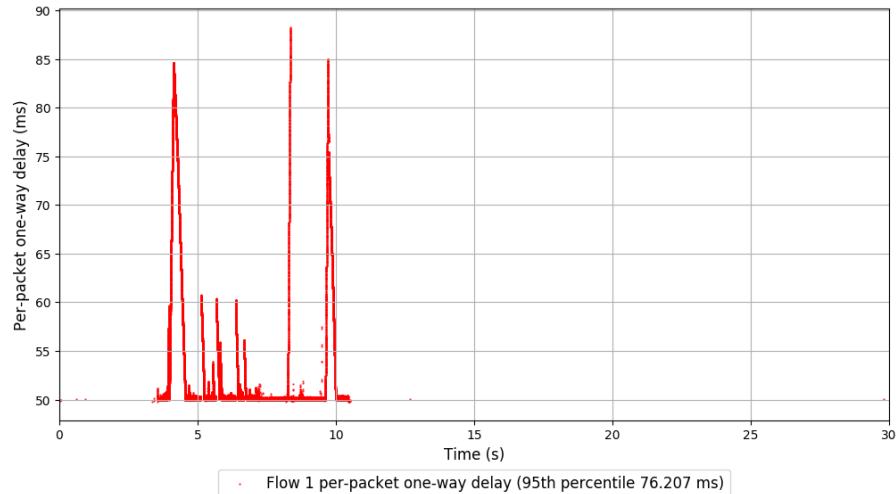
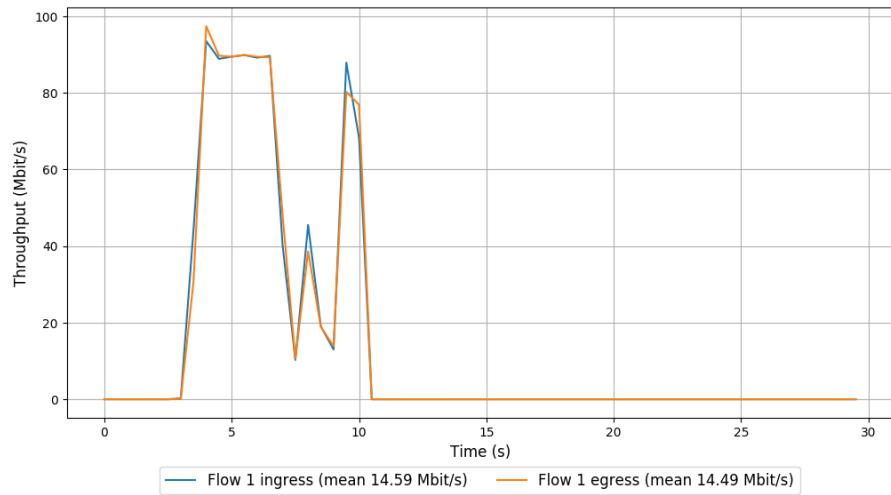


Run 4: Statistics of QUIC Cubic (toy)

```
Start at: Wed, 14 Jun 2017 05:46:02 +0000
End at: Wed, 14 Jun 2017 05:46:32 +0000
Local clock offset: -0.252 ms
Remote clock offset: -1.671 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 76.207 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 14.49 Mbit/s
95th percentile per-packet one-way delay: 76.207 ms
Loss rate: 0.69%
```

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

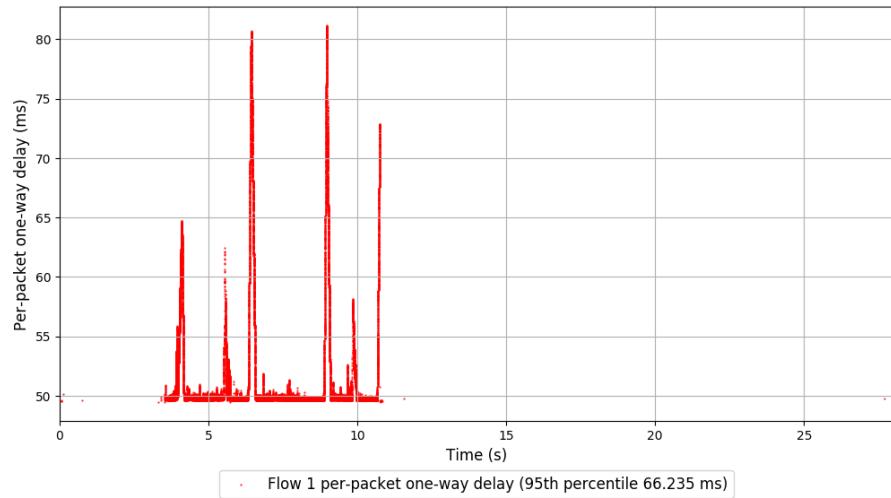
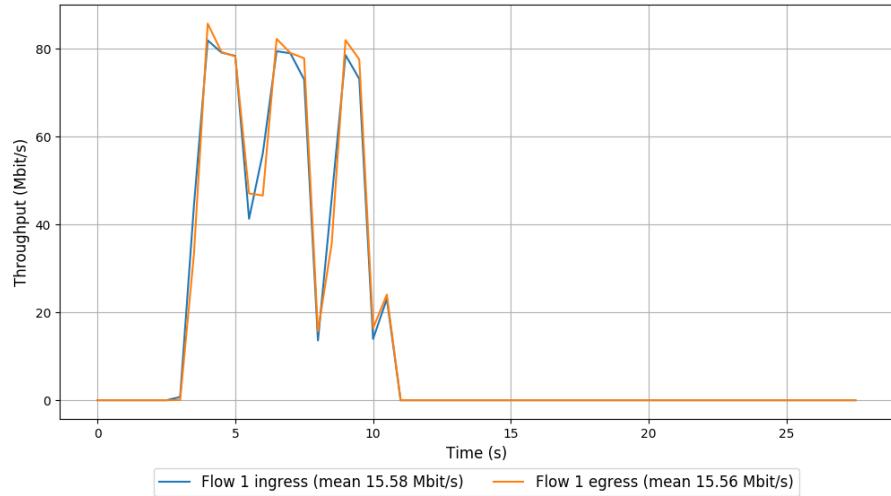


Run 5: Statistics of QUIC Cubic (toy)

```
Start at: Wed, 14 Jun 2017 06:05:38 +0000
End at: Wed, 14 Jun 2017 06:06:08 +0000
Local clock offset: -0.712 ms
Remote clock offset: -1.688 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 66.235 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 66.235 ms
Loss rate: 0.12%
```

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

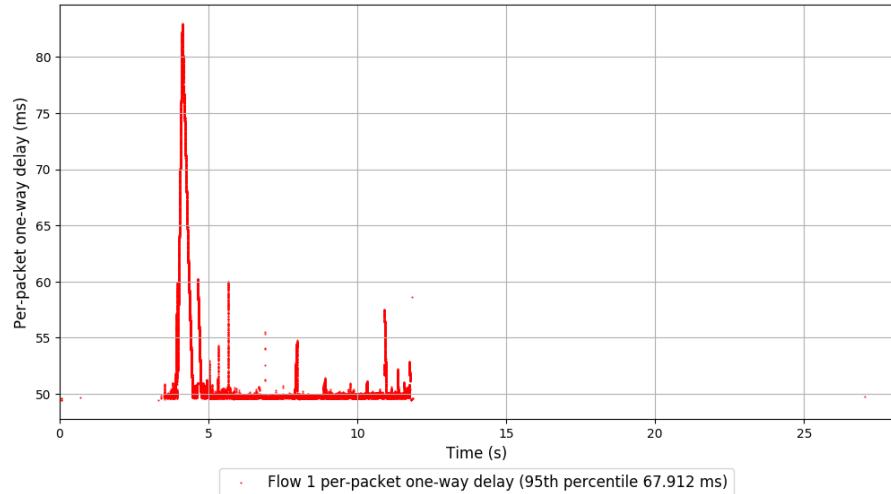
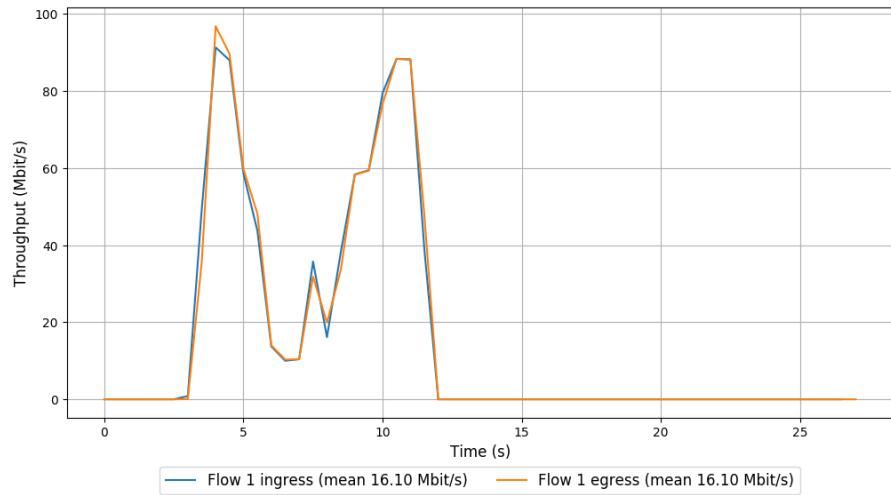


Run 6: Statistics of QUIC Cubic (toy)

```
Start at: Wed, 14 Jun 2017 06:25:19 +0000
End at: Wed, 14 Jun 2017 06:25:49 +0000
Local clock offset: -0.704 ms
Remote clock offset: -1.3 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 67.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.10 Mbit/s
95th percentile per-packet one-way delay: 67.912 ms
Loss rate: 0.00%
```

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

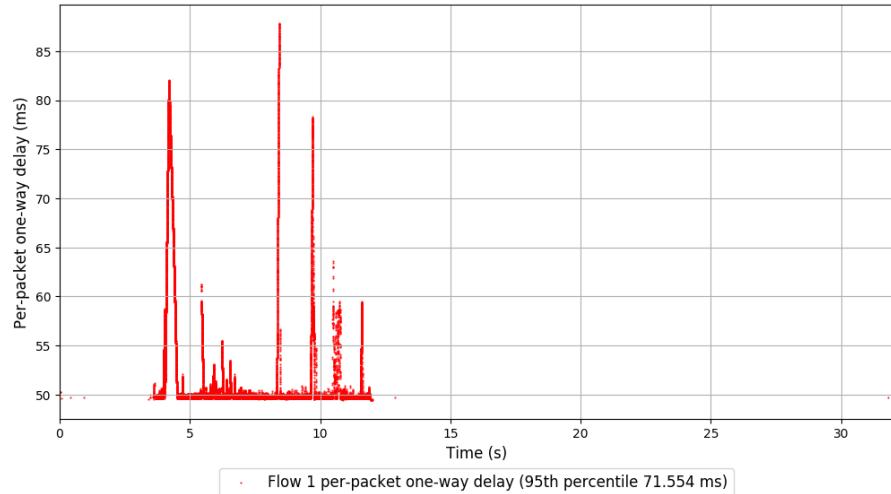
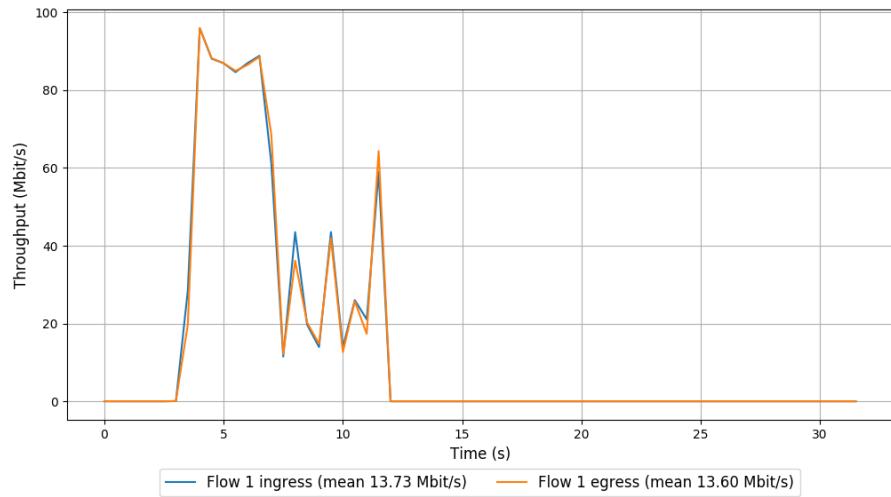


Run 7: Statistics of QUIC Cubic (toy)

```
Start at: Wed, 14 Jun 2017 06:45:01 +0000
End at: Wed, 14 Jun 2017 06:45:31 +0000
Local clock offset: -0.567 ms
Remote clock offset: -11.056 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 71.554 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 71.554 ms
Loss rate: 0.95%
```

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

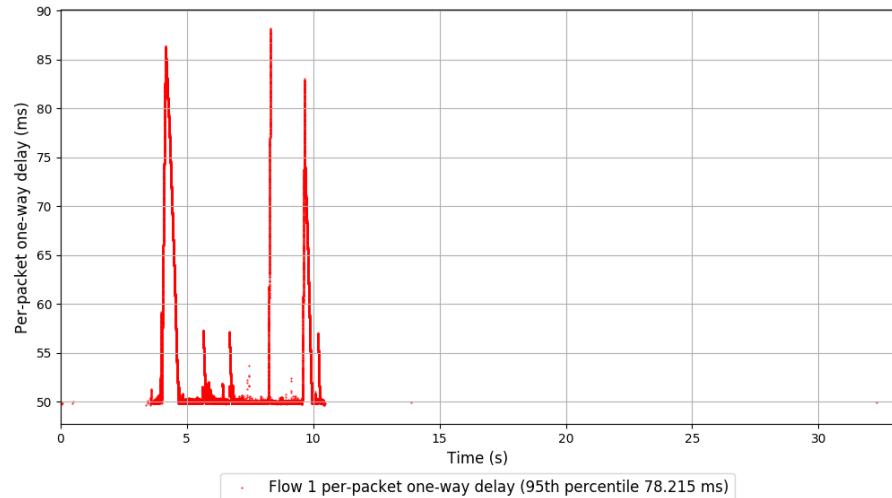
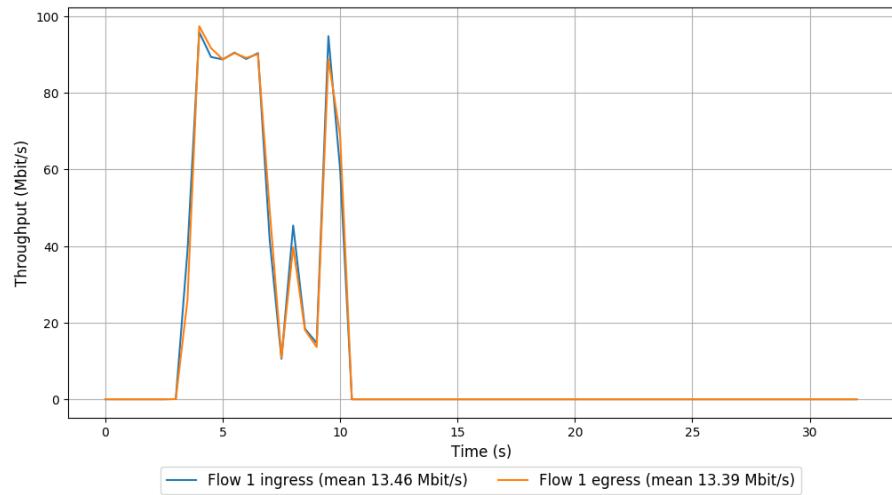


Run 8: Statistics of QUIC Cubic (toy)

```
Start at: Wed, 14 Jun 2017 07:04:44 +0000
End at: Wed, 14 Jun 2017 07:05:14 +0000
Local clock offset: -0.463 ms
Remote clock offset: -9.054 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: 78.215 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: 78.215 ms
Loss rate: 0.57%
```

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

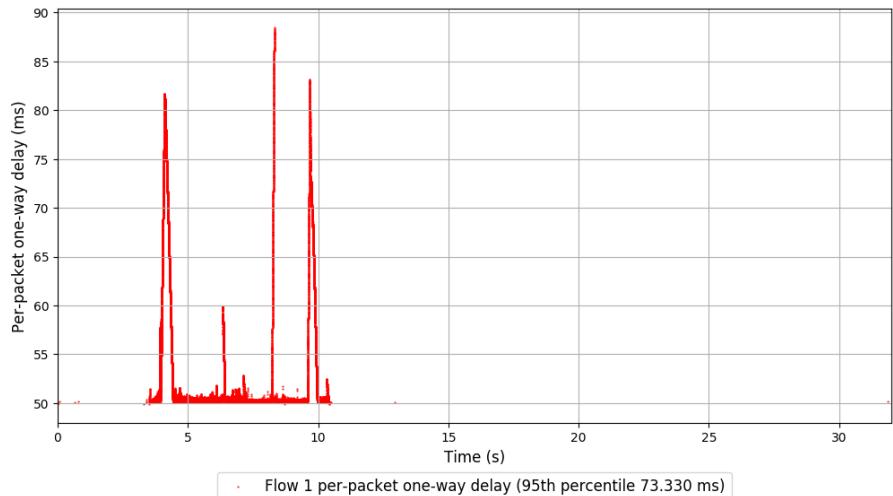
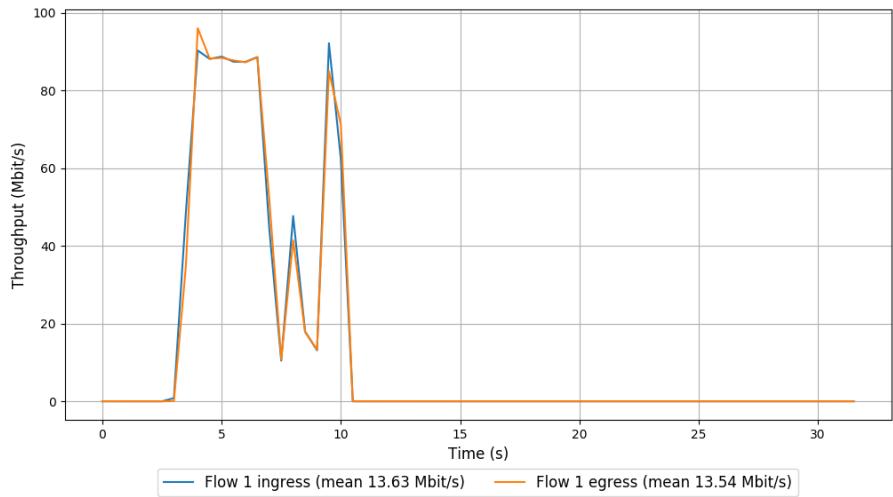


Run 9: Statistics of QUIC Cubic (toy)

```
Start at: Wed, 14 Jun 2017 07:24:26 +0000
End at: Wed, 14 Jun 2017 07:24:56 +0000
Local clock offset: -0.205 ms
Remote clock offset: -11.603 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.54 Mbit/s
95th percentile per-packet one-way delay: 73.330 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 13.54 Mbit/s
95th percentile per-packet one-way delay: 73.330 ms
Loss rate: 0.64%
```

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

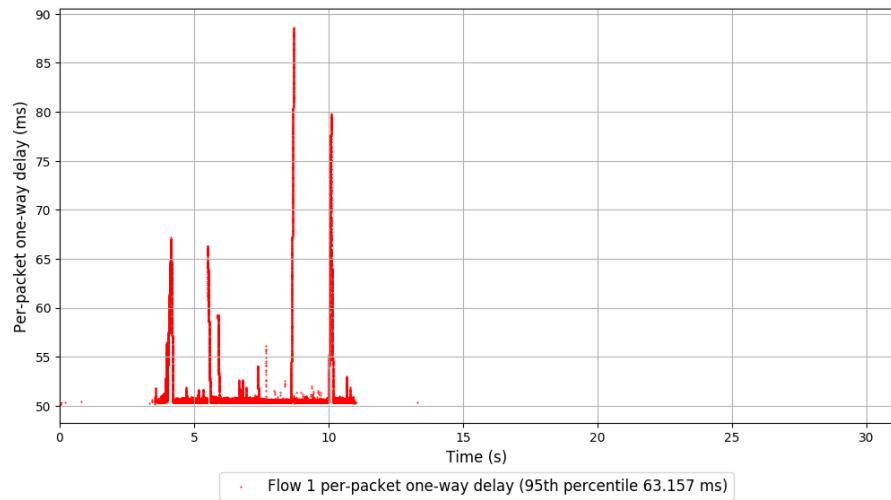
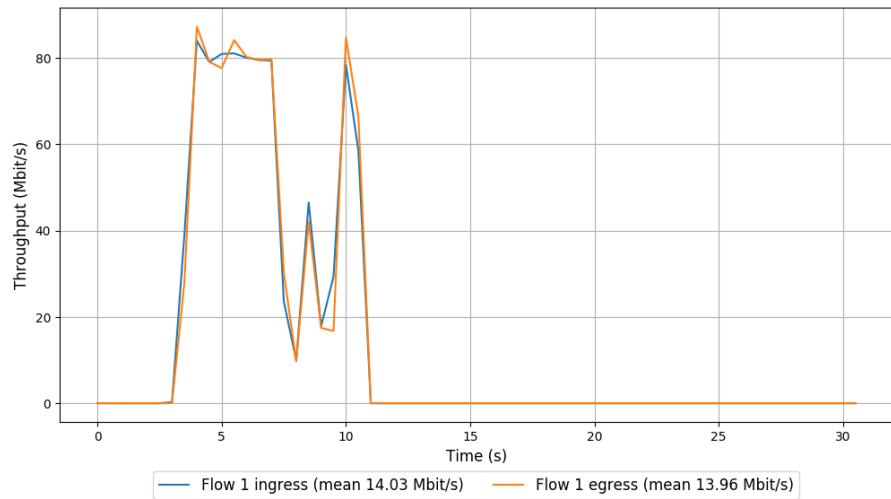


Run 10: Statistics of QUIC Cubic (toy)

```
Start at: Wed, 14 Jun 2017 07:44:11 +0000
End at: Wed, 14 Jun 2017 07:44:41 +0000
Local clock offset: 0.043 ms
Remote clock offset: -8.575 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.96 Mbit/s
95th percentile per-packet one-way delay: 63.157 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 13.96 Mbit/s
95th percentile per-packet one-way delay: 63.157 ms
Loss rate: 0.51%
```

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

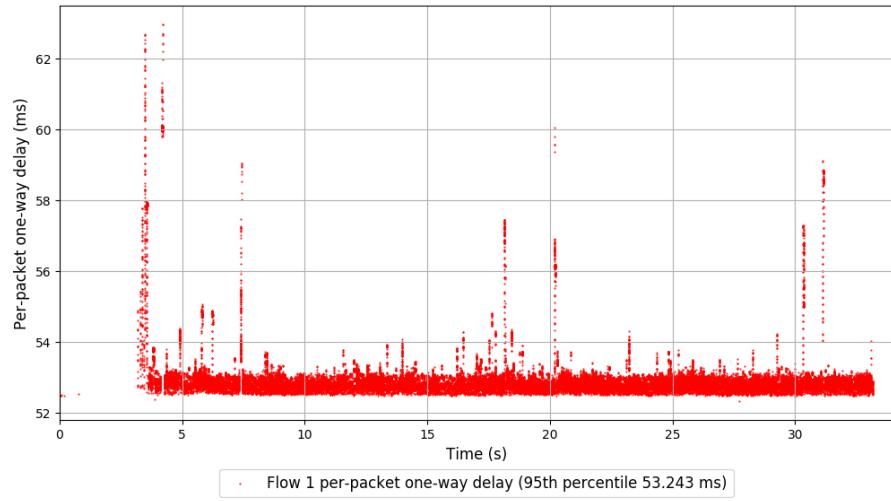
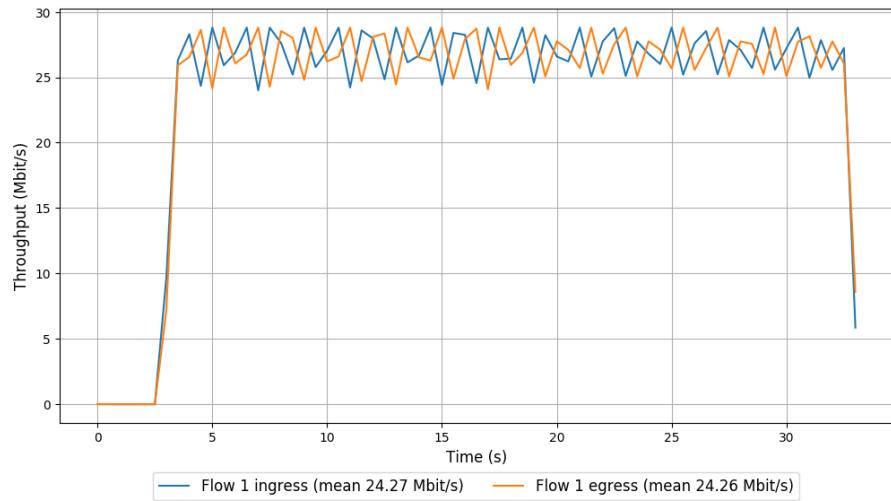


Run 1: Statistics of Saturator

```
Start at: Wed, 14 Jun 2017 04:36:21 +0000
End at: Wed, 14 Jun 2017 04:36:51 +0000
Local clock offset: 1.646 ms
Remote clock offset: -2.307 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 53.243 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 53.243 ms
Loss rate: 0.01%
```

Run 1: Report of Saturator — Data Link

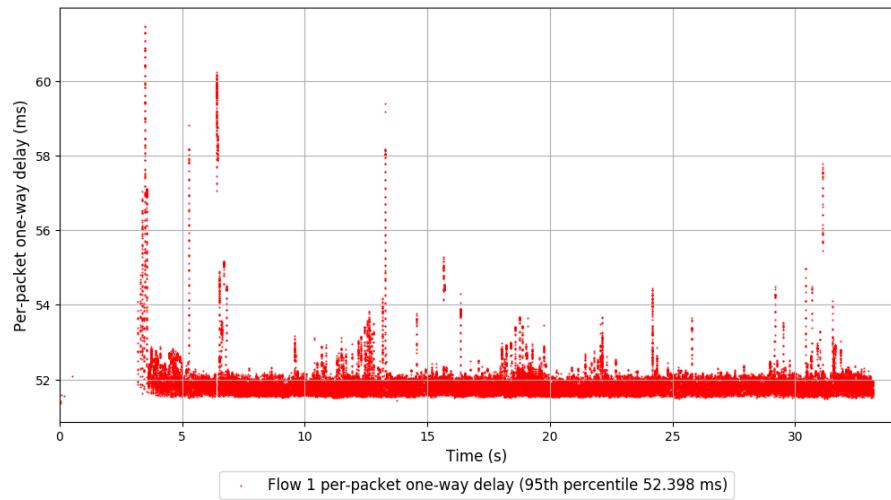
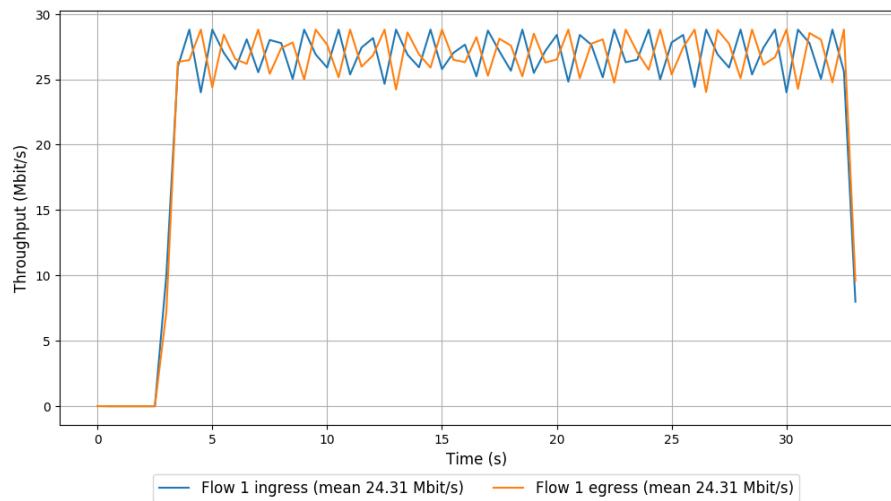


Run 2: Statistics of Saturator

```
Start at: Wed, 14 Jun 2017 04:56:01 +0000
End at: Wed, 14 Jun 2017 04:56:31 +0000
Local clock offset: 0.901 ms
Remote clock offset: -2.088 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 52.398 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: 52.398 ms
Loss rate: 0.01%
```

Run 2: Report of Saturator — Data Link

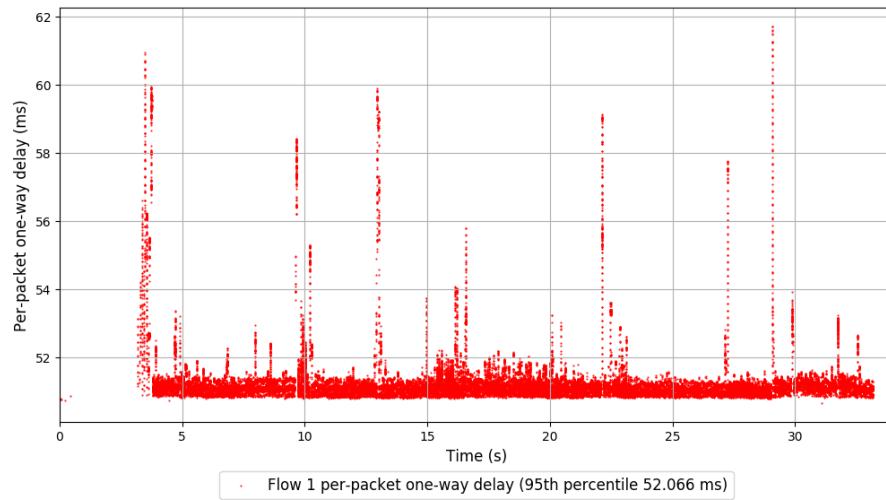
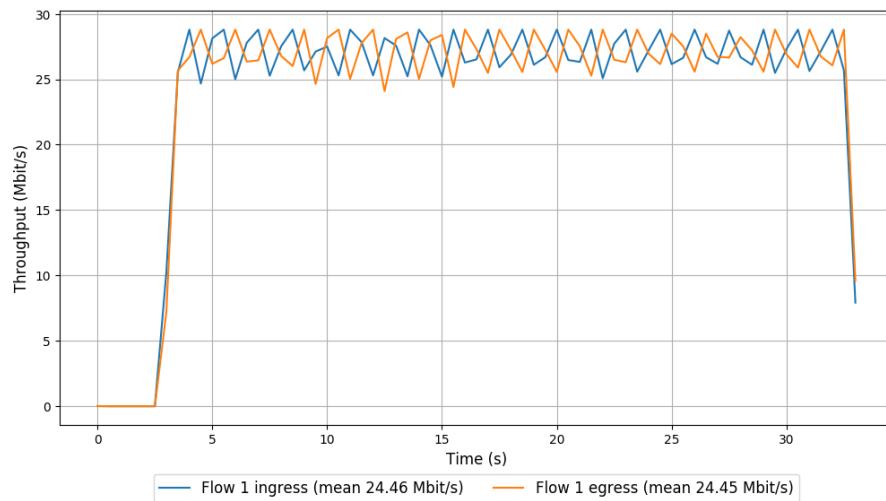


Run 3: Statistics of Saturator

```
Start at: Wed, 14 Jun 2017 05:15:46 +0000
End at: Wed, 14 Jun 2017 05:16:16 +0000
Local clock offset: 0.364 ms
Remote clock offset: -4.019 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 52.066 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 52.066 ms
Loss rate: 0.03%
```

Run 3: Report of Saturator — Data Link

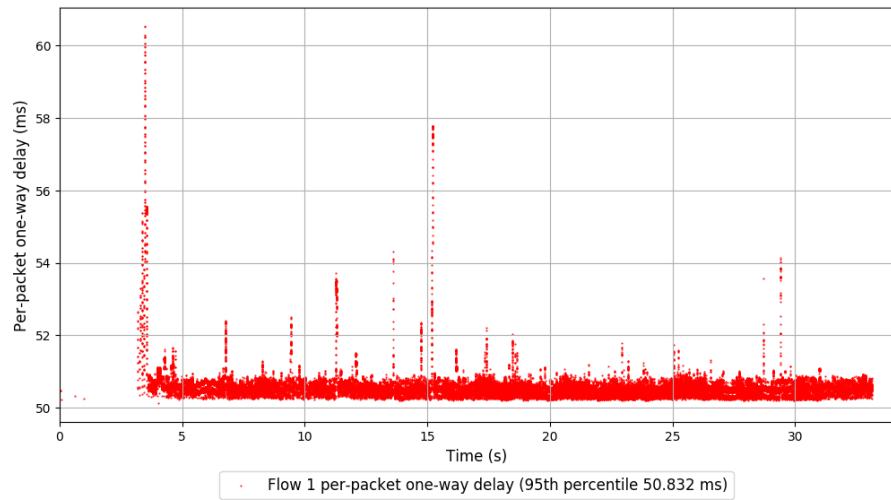
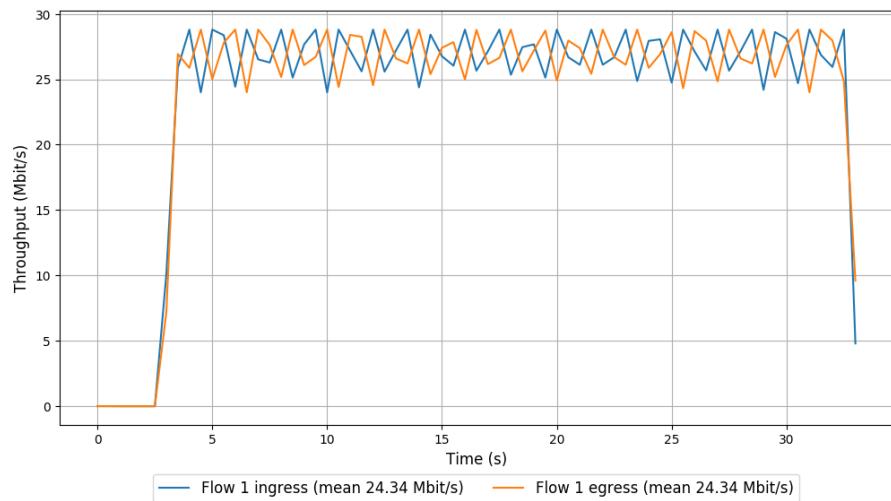


Run 4: Statistics of Saturator

```
Start at: Wed, 14 Jun 2017 05:35:28 +0000
End at: Wed, 14 Jun 2017 05:35:58 +0000
Local clock offset: -0.151 ms
Remote clock offset: -1.806 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 50.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: 50.832 ms
Loss rate: 0.00%
```

Run 4: Report of Saturator — Data Link

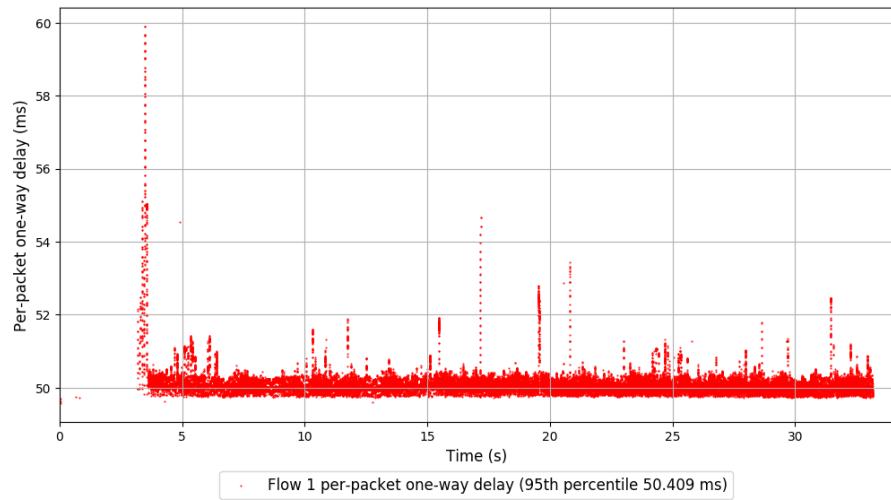
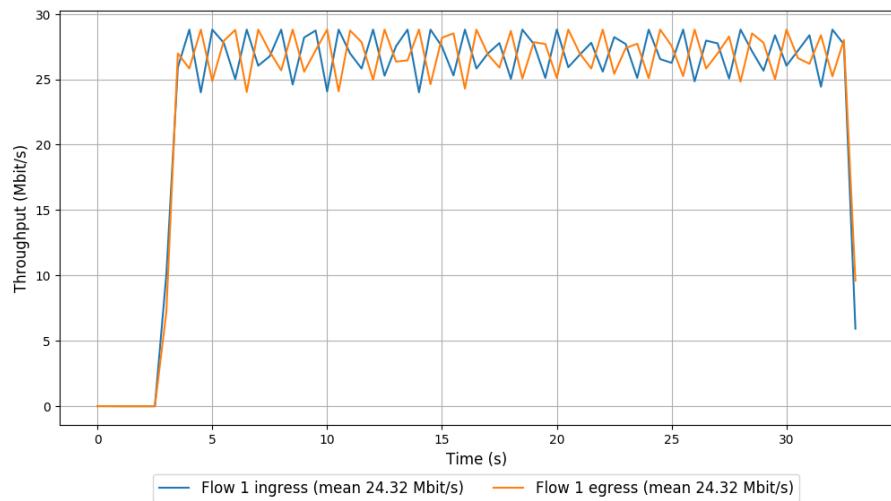


Run 5: Statistics of Saturator

```
Start at: Wed, 14 Jun 2017 05:55:06 +0000
End at: Wed, 14 Jun 2017 05:55:36 +0000
Local clock offset: -0.557 ms
Remote clock offset: -1.187 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 50.409 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 50.409 ms
Loss rate: 0.00%
```

Run 5: Report of Saturator — Data Link

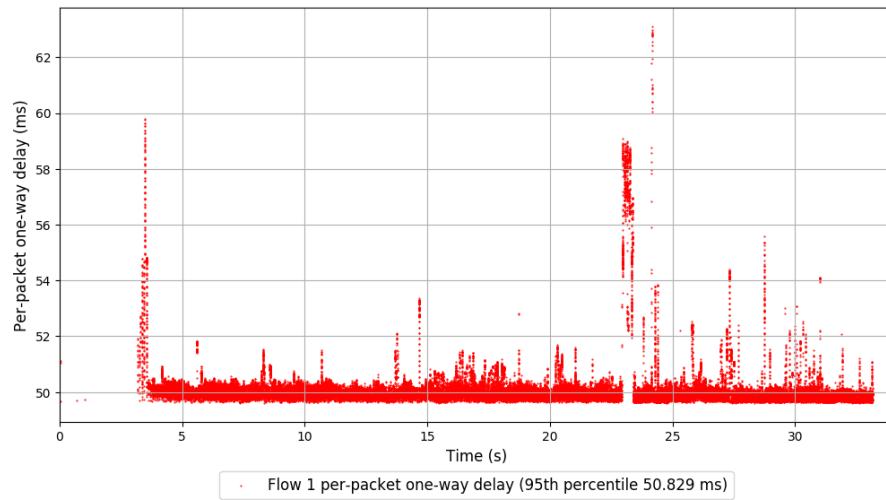
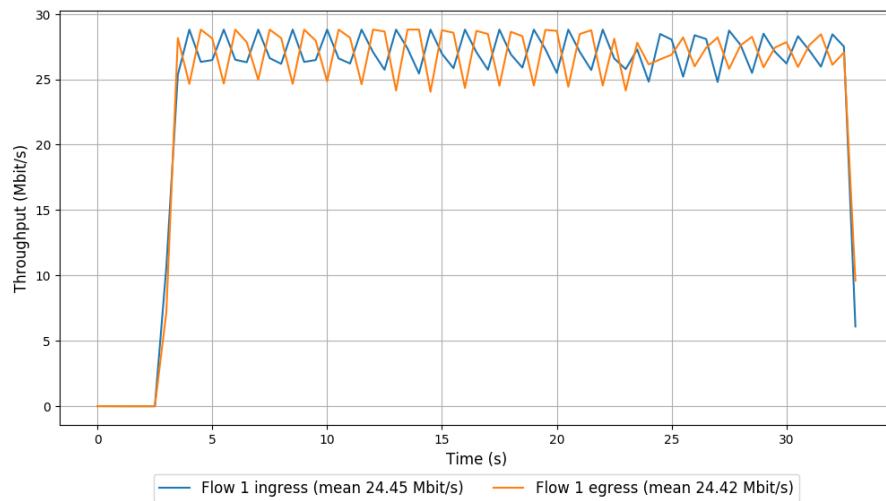


Run 6: Statistics of Saturator

```
Start at: Wed, 14 Jun 2017 06:14:48 +0000
End at: Wed, 14 Jun 2017 06:15:18 +0000
Local clock offset: -0.613 ms
Remote clock offset: -1.665 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 50.829 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 24.42 Mbit/s
95th percentile per-packet one-way delay: 50.829 ms
Loss rate: 0.12%
```

Run 6: Report of Saturator — Data Link

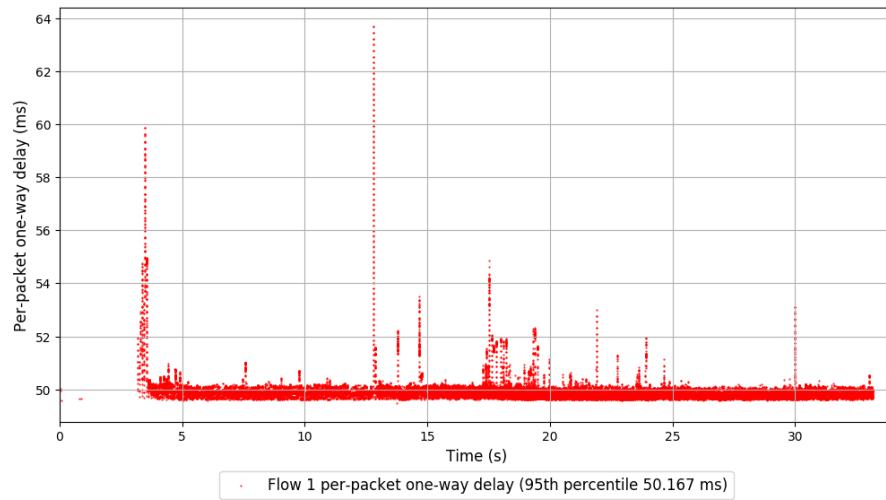
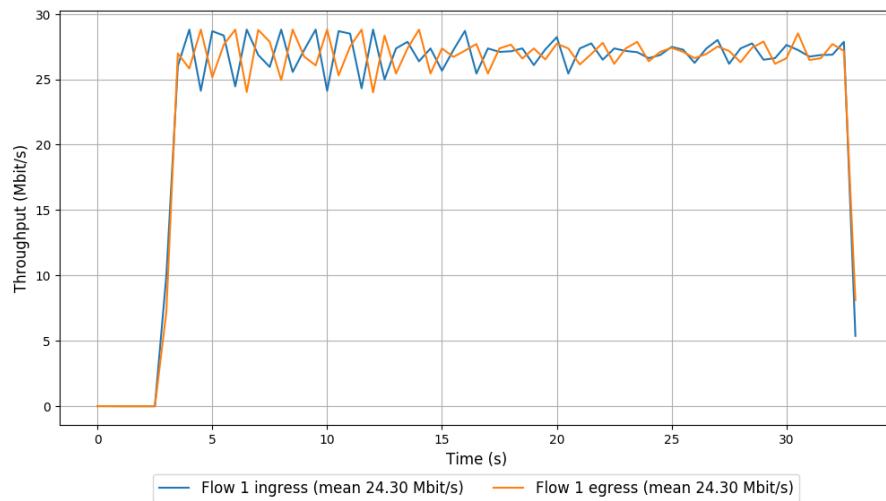


Run 7: Statistics of Saturator

```
Start at: Wed, 14 Jun 2017 06:34:26 +0000
End at: Wed, 14 Jun 2017 06:34:56 +0000
Local clock offset: -0.692 ms
Remote clock offset: -4.16 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 50.167 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 50.167 ms
Loss rate: 0.00%
```

Run 7: Report of Saturator — Data Link

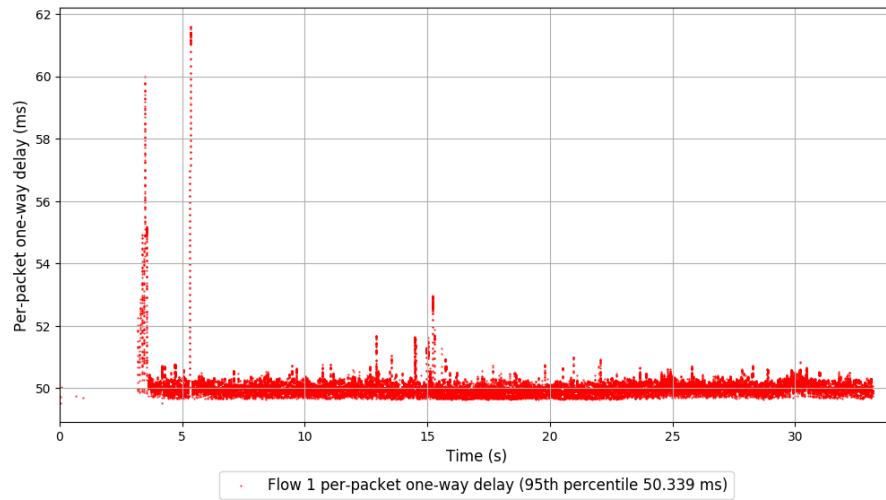
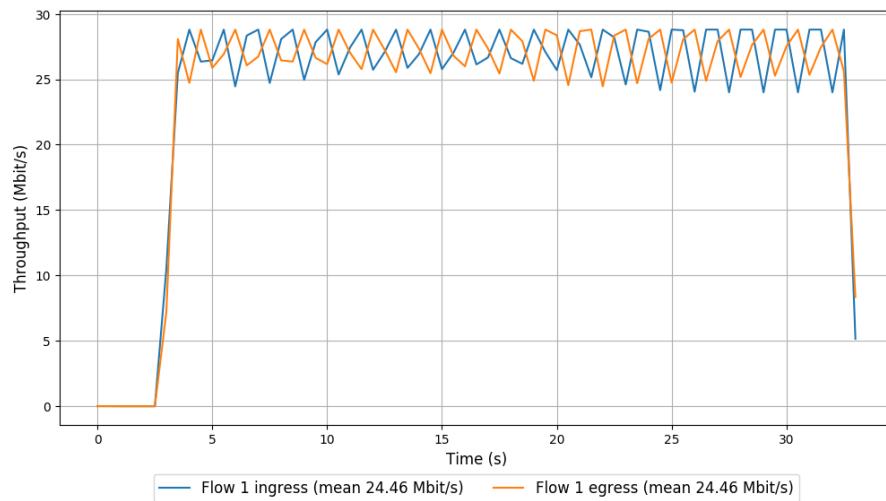


Run 8: Statistics of Saturator

```
Start at: Wed, 14 Jun 2017 06:54:10 +0000
End at: Wed, 14 Jun 2017 06:54:40 +0000
Local clock offset: -0.653 ms
Remote clock offset: -9.075 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 50.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 50.339 ms
Loss rate: 0.00%
```

Run 8: Report of Saturator — Data Link

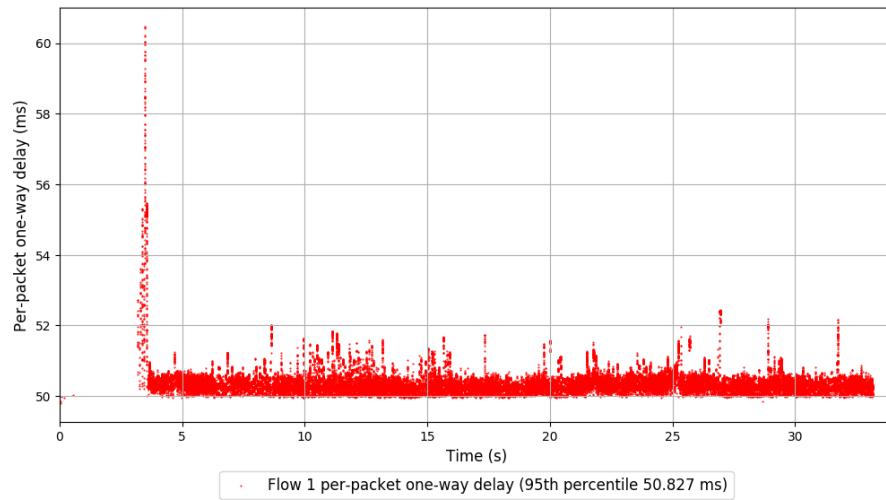
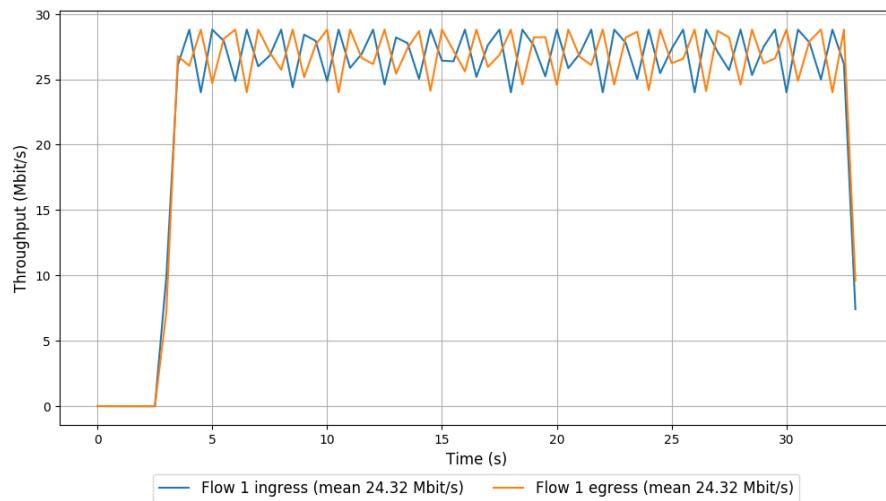


Run 9: Statistics of Saturator

```
Start at: Wed, 14 Jun 2017 07:13:53 +0000
End at: Wed, 14 Jun 2017 07:14:23 +0000
Local clock offset: -0.316 ms
Remote clock offset: -9.178 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 50.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.32 Mbit/s
95th percentile per-packet one-way delay: 50.827 ms
Loss rate: 0.00%
```

Run 9: Report of Saturator — Data Link

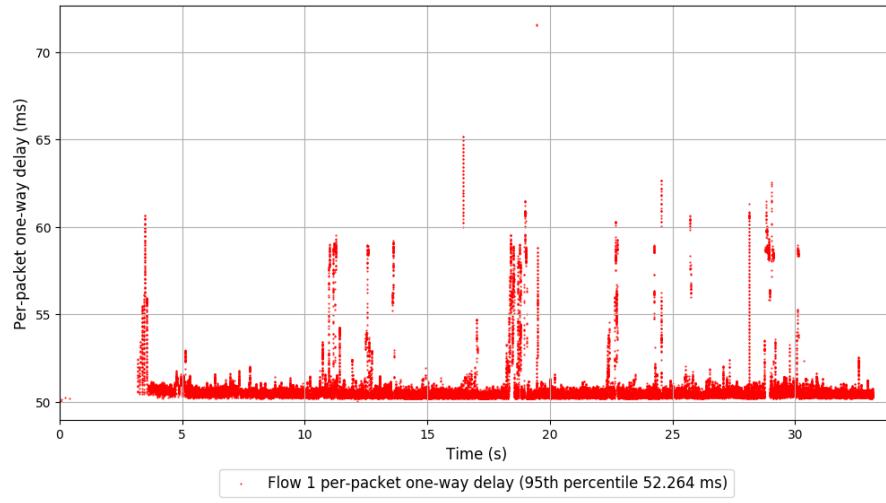
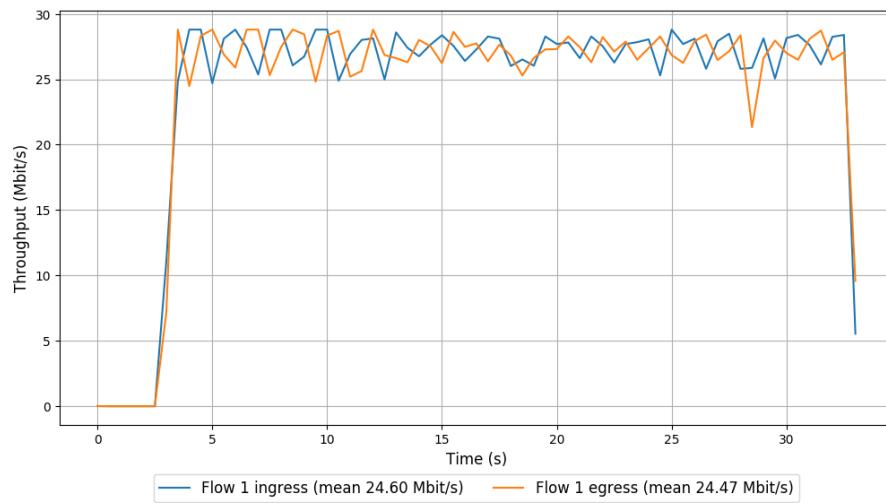


Run 10: Statistics of Saturator

```
Start at: Wed, 14 Jun 2017 07:33:35 +0000
End at: Wed, 14 Jun 2017 07:34:05 +0000
Local clock offset: -0.243 ms
Remote clock offset: -9.123 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 52.264 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 24.47 Mbit/s
95th percentile per-packet one-way delay: 52.264 ms
Loss rate: 0.55%
```

Run 10: Report of Saturator — Data Link



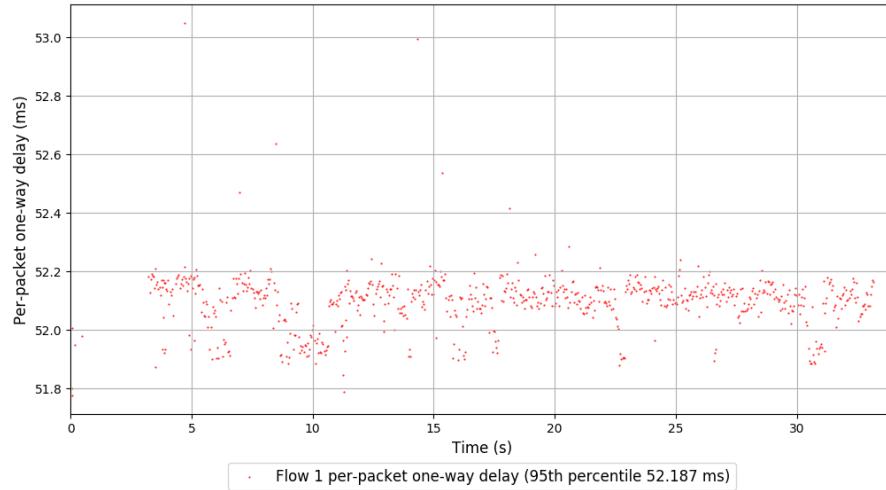
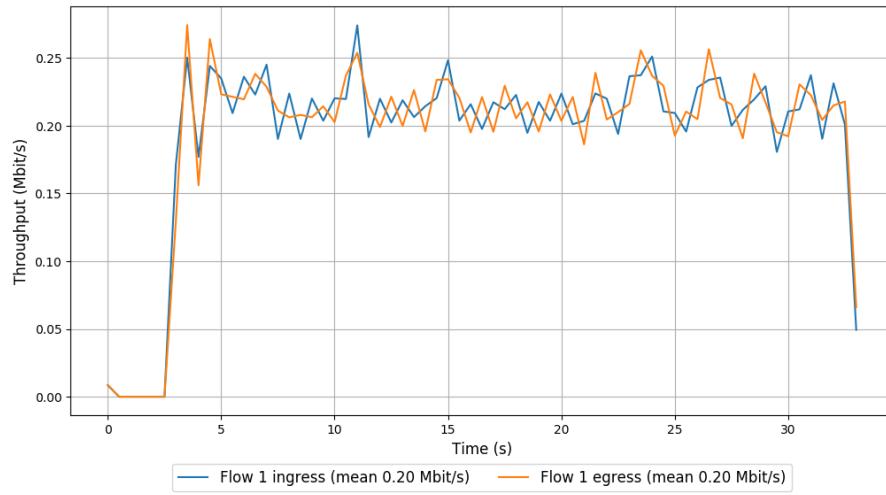
```
Run 1: Statistics of SCReAM
```

```
Start at: Wed, 14 Jun 2017 04:48:11 +0000  
End at: Wed, 14 Jun 2017 04:48:41 +0000
```

```
Local clock offset: 1.178 ms  
Remote clock offset: -4.628 ms
```

```
# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:48 +0000  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 52.187 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 52.187 ms  
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

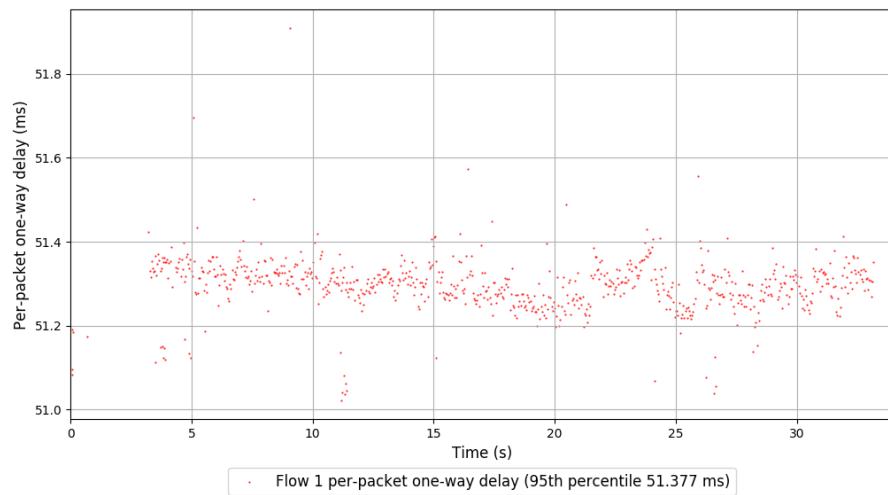
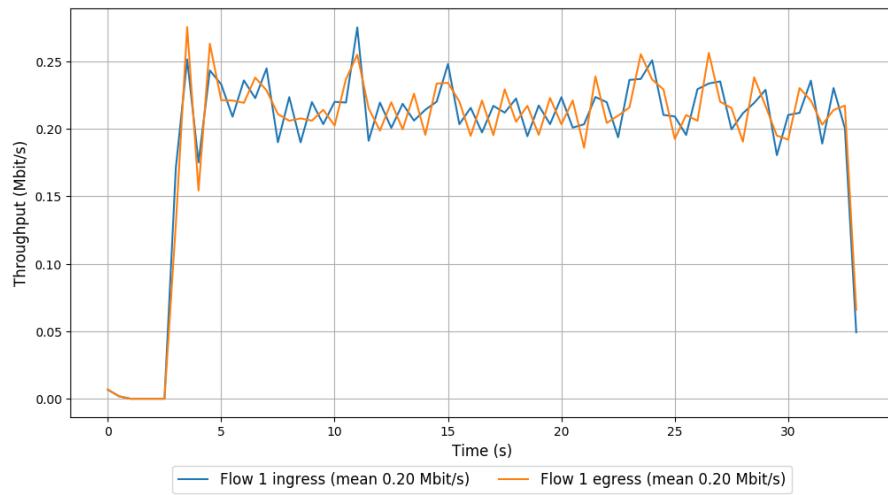


Run 2: Statistics of SCReAM

```
Start at: Wed, 14 Jun 2017 05:07:52 +0000
End at: Wed, 14 Jun 2017 05:08:22 +0000
Local clock offset: 0.461 ms
Remote clock offset: -2.067 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 51.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 51.377 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

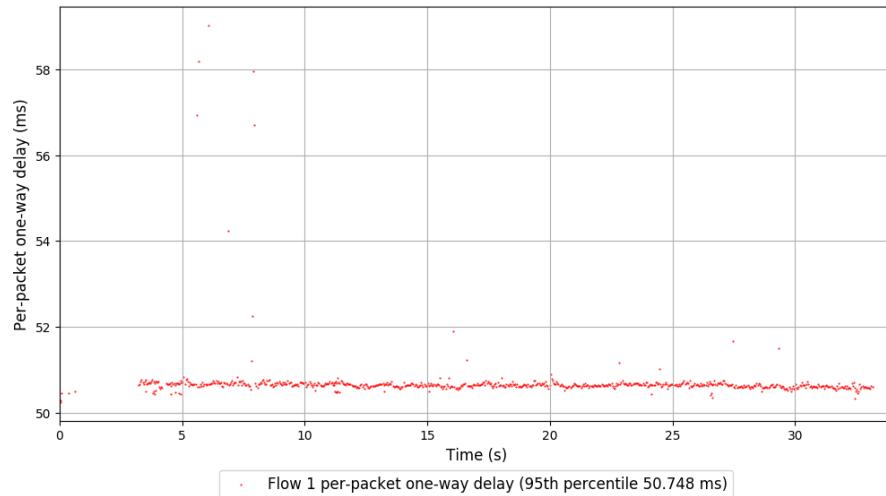
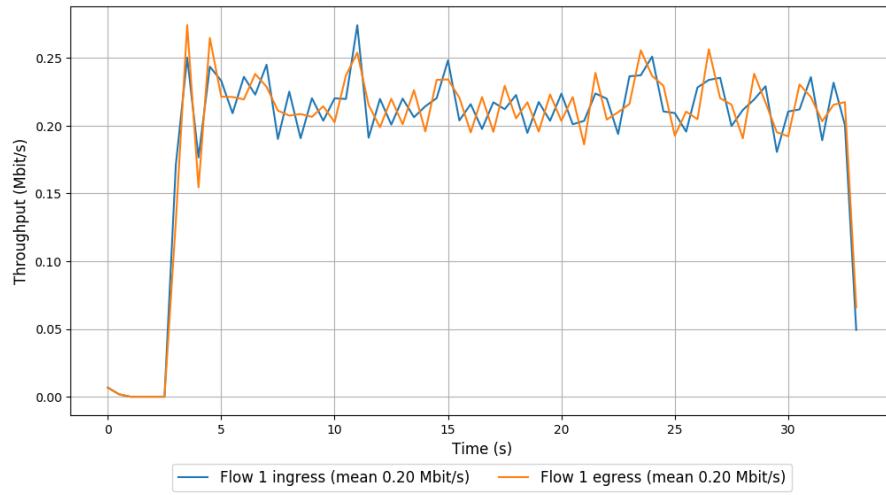


Run 3: Statistics of SCReAM

```
Start at: Wed, 14 Jun 2017 05:27:40 +0000
End at: Wed, 14 Jun 2017 05:28:10 +0000
Local clock offset: 0.022 ms
Remote clock offset: -1.32 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.748 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

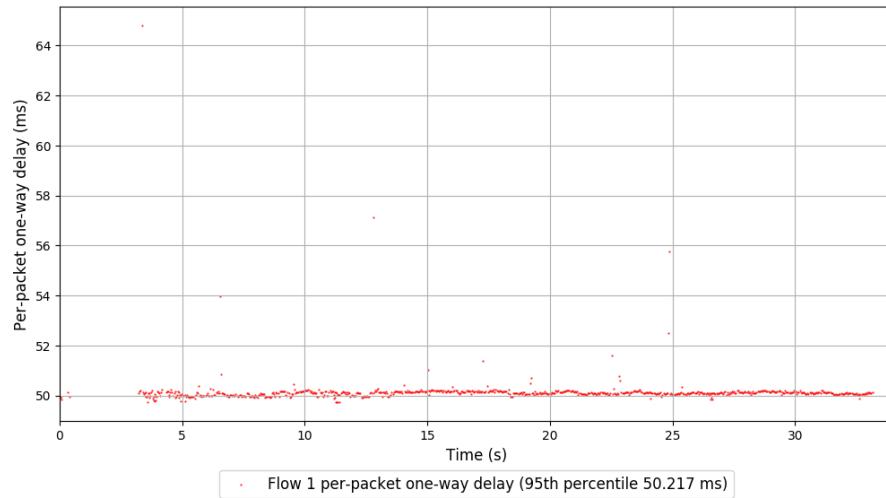
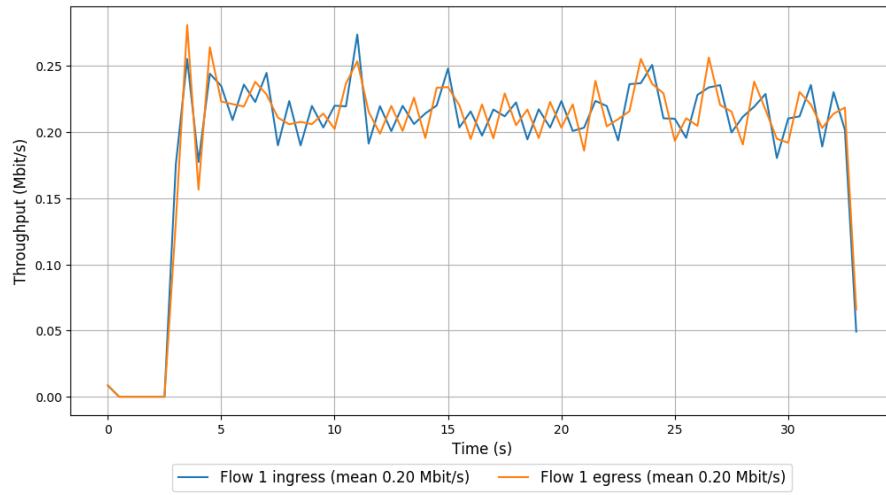


Run 4: Statistics of SCReAM

```
Start at: Wed, 14 Jun 2017 05:47:19 +0000
End at: Wed, 14 Jun 2017 05:47:49 +0000
Local clock offset: -0.352 ms
Remote clock offset: -1.739 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.217 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.217 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

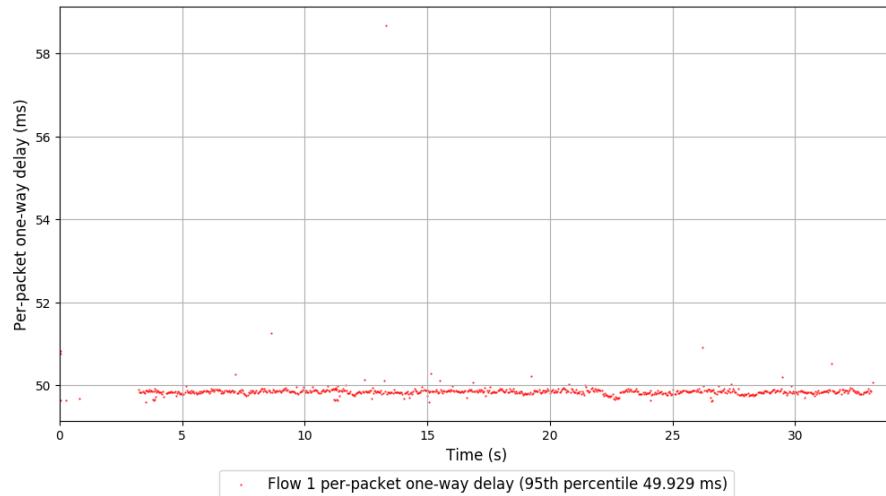
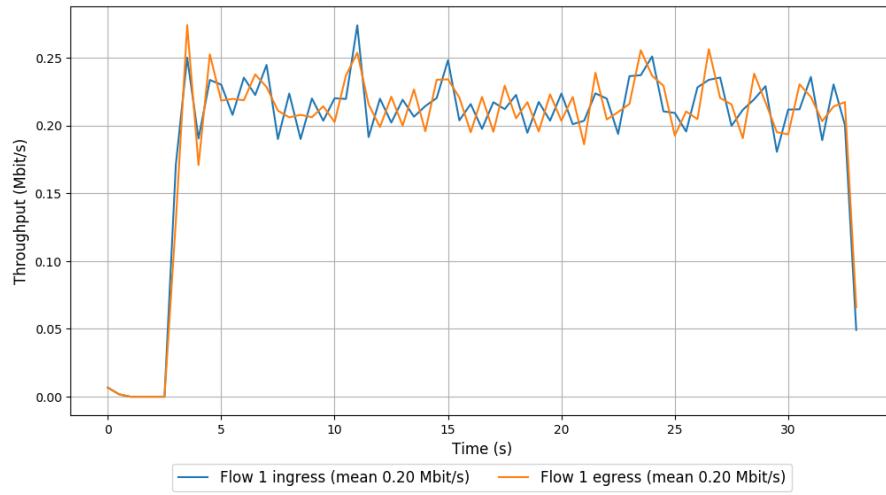


Run 5: Statistics of SCReAM

```
Start at: Wed, 14 Jun 2017 06:06:55 +0000
End at: Wed, 14 Jun 2017 06:07:25 +0000
Local clock offset: -0.722 ms
Remote clock offset: -2.04 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 49.929 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 49.929 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

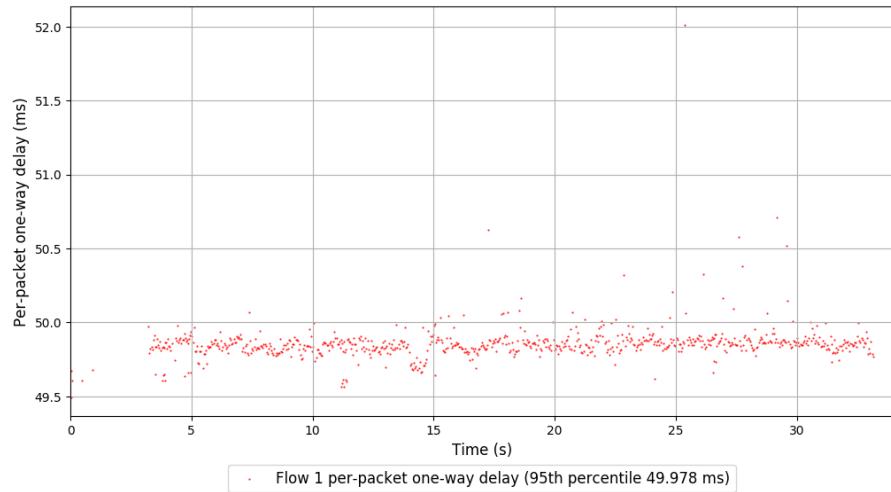
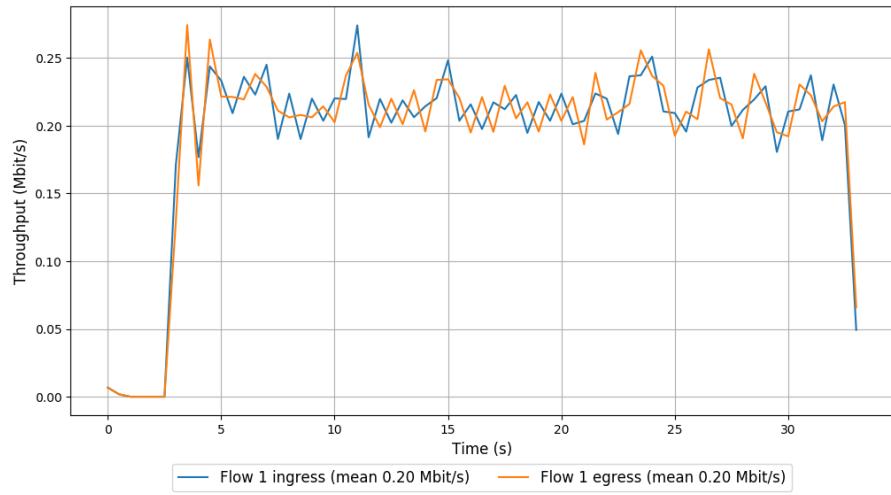


Run 6: Statistics of SCReAM

```
Start at: Wed, 14 Jun 2017 06:26:35 +0000
End at: Wed, 14 Jun 2017 06:27:05 +0000
Local clock offset: -0.645 ms
Remote clock offset: -1.666 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 49.978 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 49.978 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

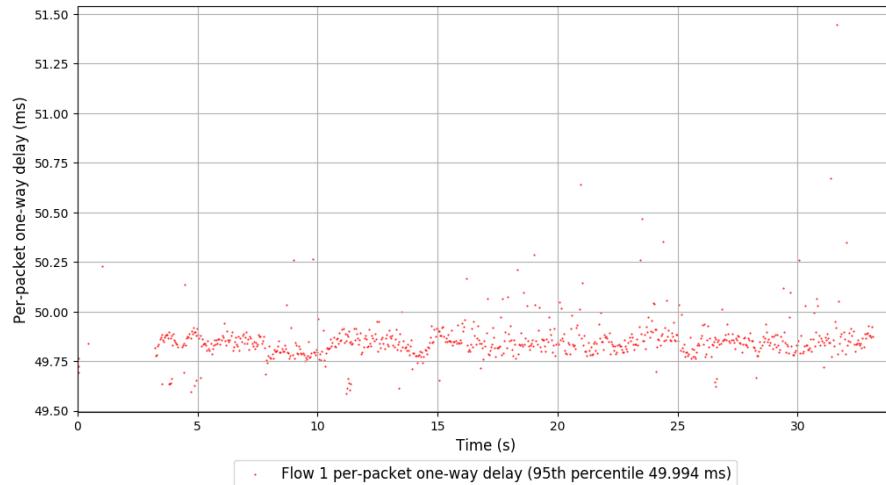
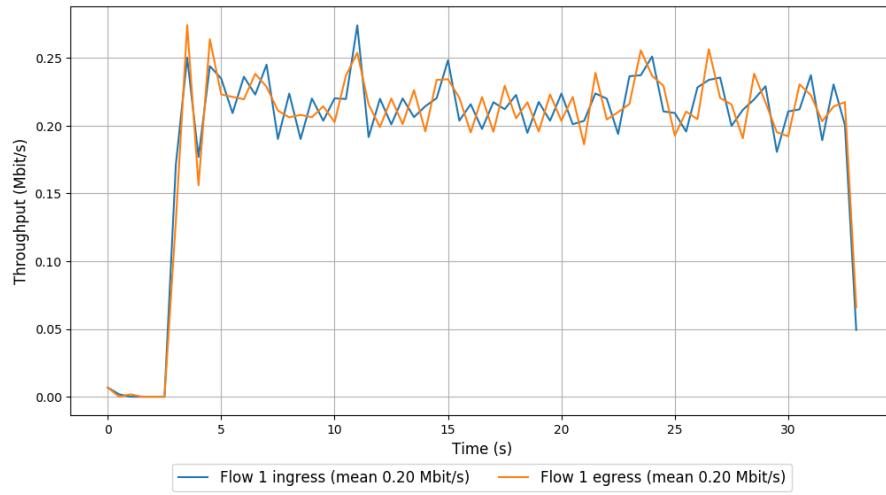


Run 7: Statistics of SCReAM

```
Start at: Wed, 14 Jun 2017 06:46:18 +0000
End at: Wed, 14 Jun 2017 06:46:48 +0000
Local clock offset: -0.6 ms
Remote clock offset: -9.028 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 49.994 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 49.994 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

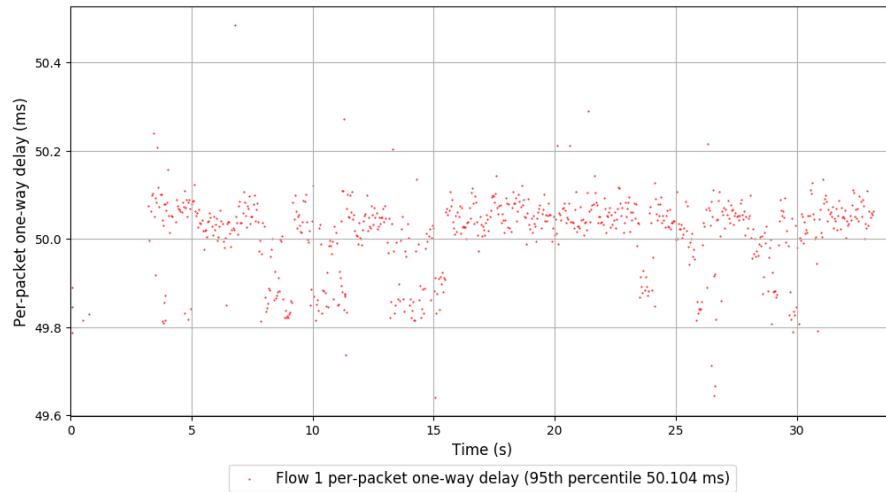
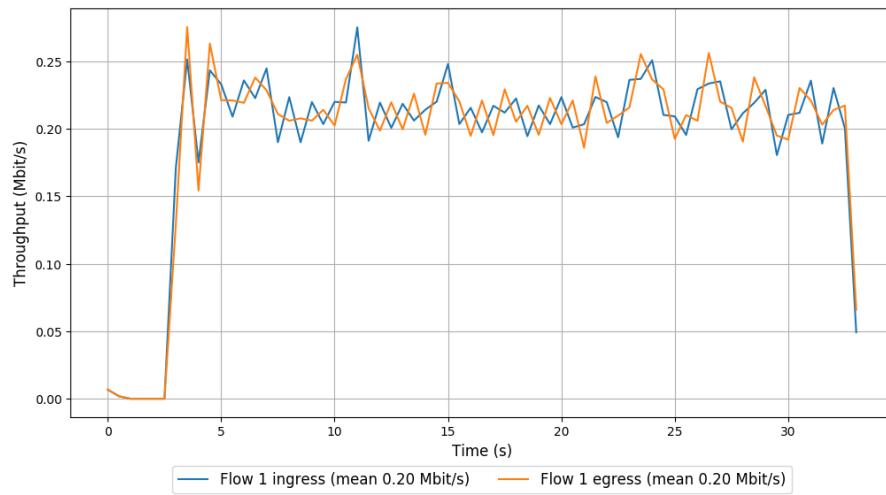


Run 8: Statistics of SCReAM

```
Start at: Wed, 14 Jun 2017 07:06:01 +0000
End at: Wed, 14 Jun 2017 07:06:31 +0000
Local clock offset: -0.466 ms
Remote clock offset: -8.662 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.104 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

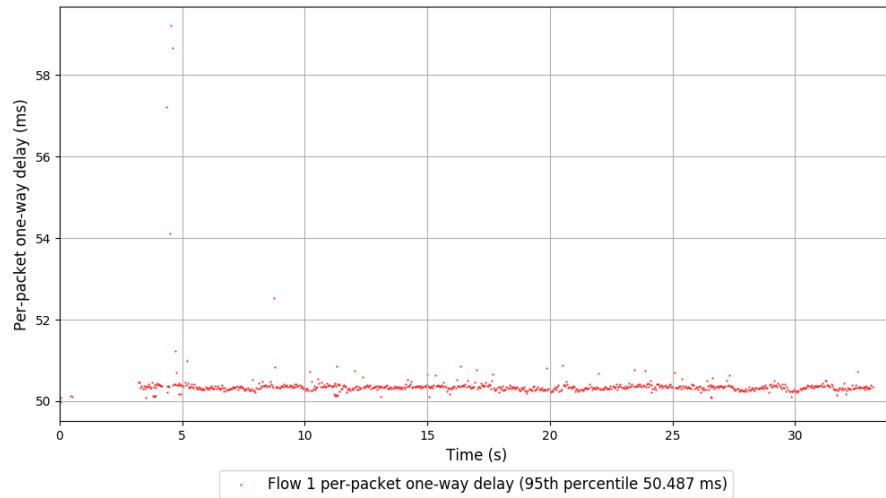
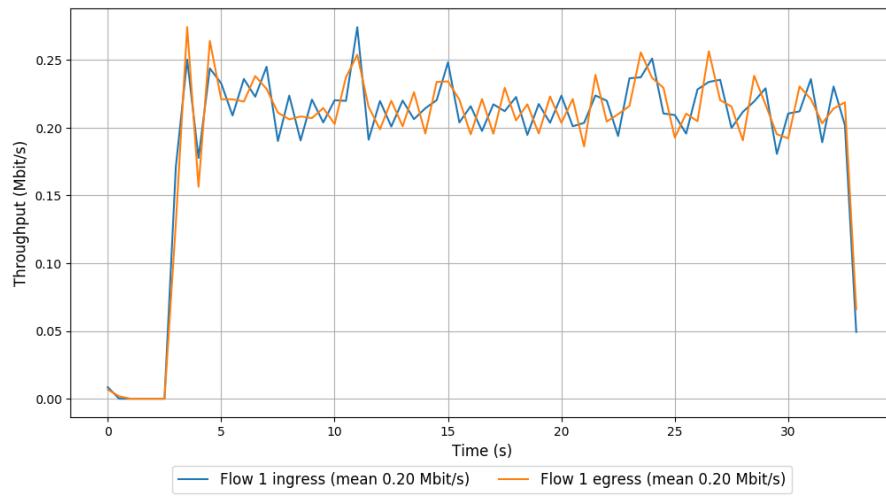


Run 9: Statistics of SCReAM

```
Start at: Wed, 14 Jun 2017 07:25:43 +0000
End at: Wed, 14 Jun 2017 07:26:13 +0000
Local clock offset: -0.167 ms
Remote clock offset: -11.284 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.487 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.487 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

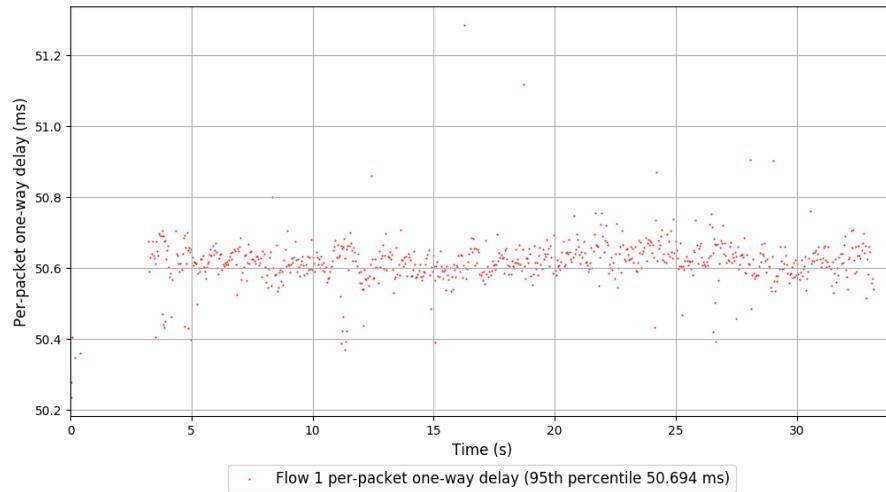
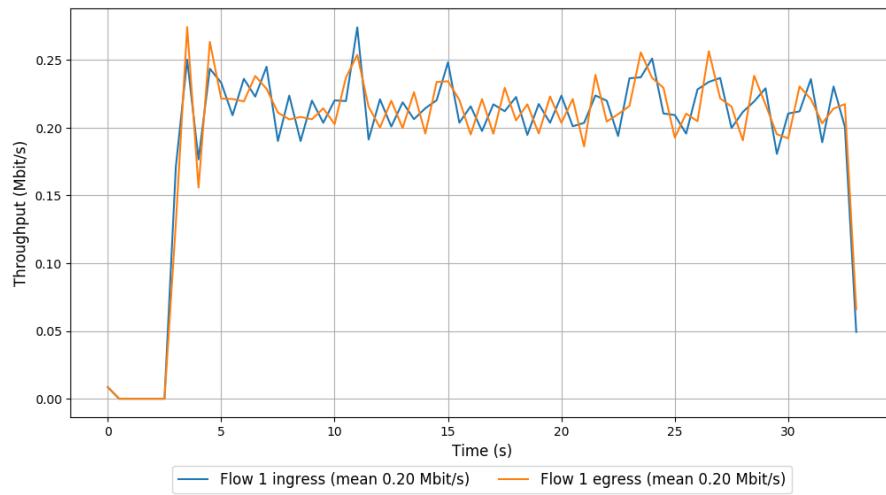


Run 10: Statistics of SCReAM

```
Start at: Wed, 14 Jun 2017 07:45:28 +0000
End at: Wed, 14 Jun 2017 07:45:58 +0000
Local clock offset: -0.002 ms
Remote clock offset: -8.689 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.694 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.694 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

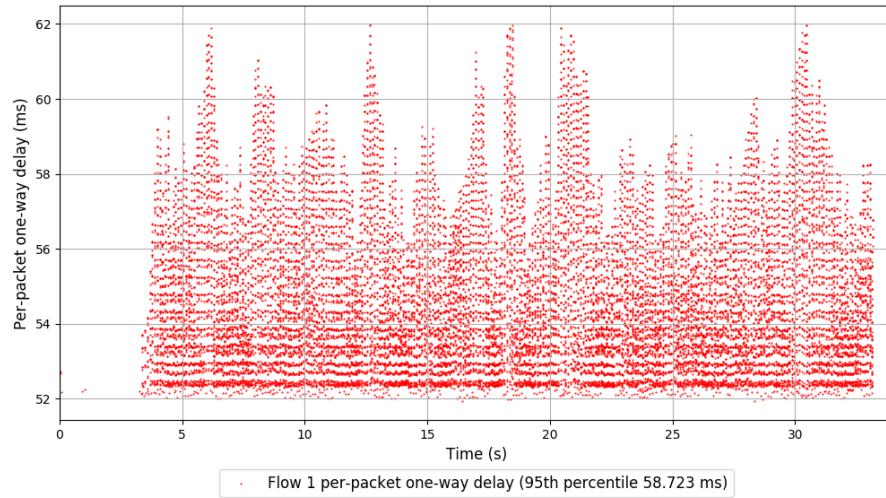
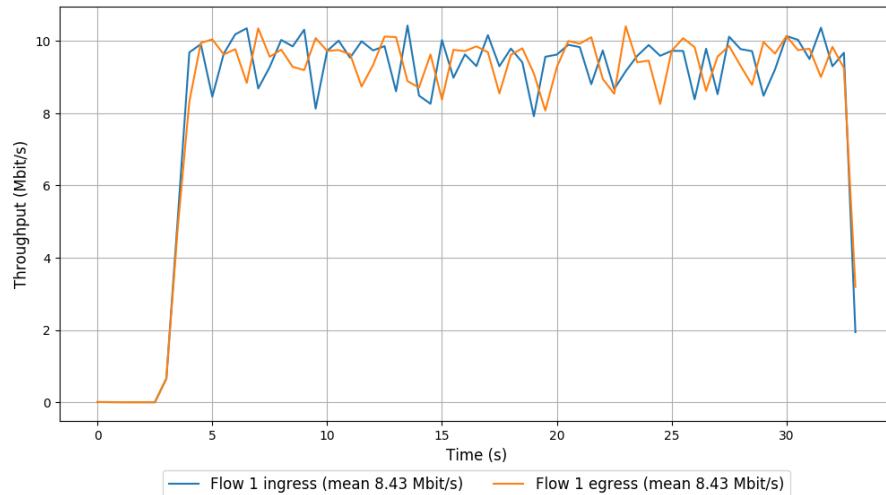


Run 1: Statistics of Sprout

```
Start at: Wed, 14 Jun 2017 04:43:00 +0000
End at: Wed, 14 Jun 2017 04:43:30 +0000
Local clock offset: 1.373 ms
Remote clock offset: -2.362 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 58.723 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 58.723 ms
Loss rate: 0.01%
```

Run 1: Report of Sprout — Data Link

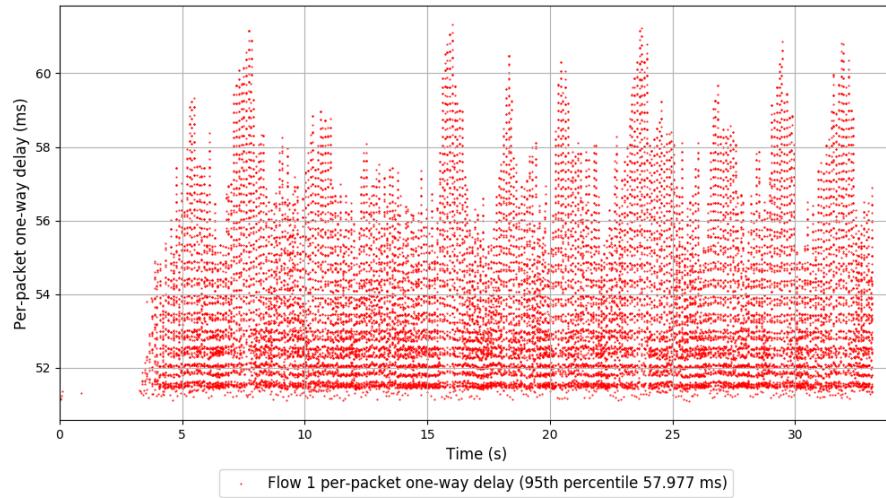
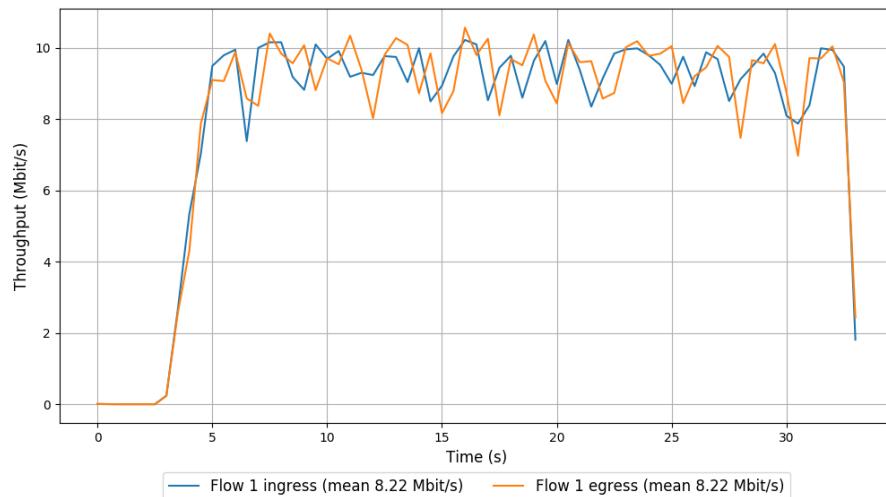


Run 2: Statistics of Sprout

```
Start at: Wed, 14 Jun 2017 05:02:39 +0000
End at: Wed, 14 Jun 2017 05:03:09 +0000
Local clock offset: 0.691 ms
Remote clock offset: -4.17 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 57.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 57.977 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

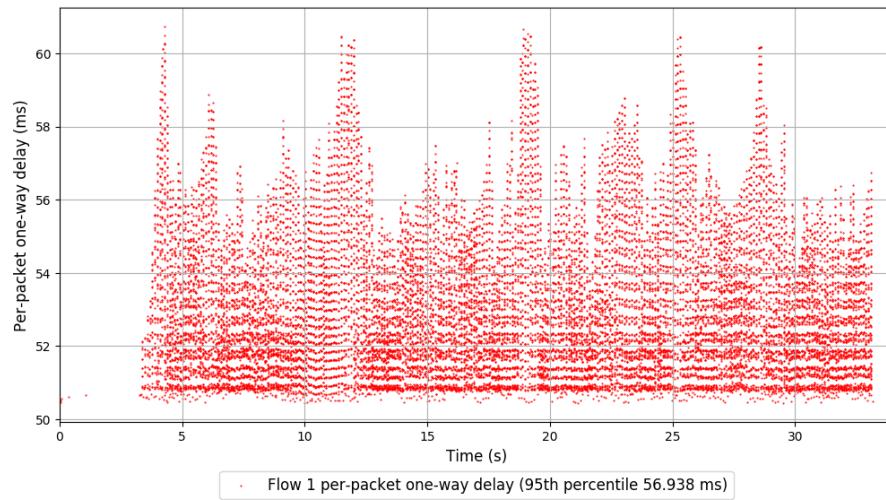
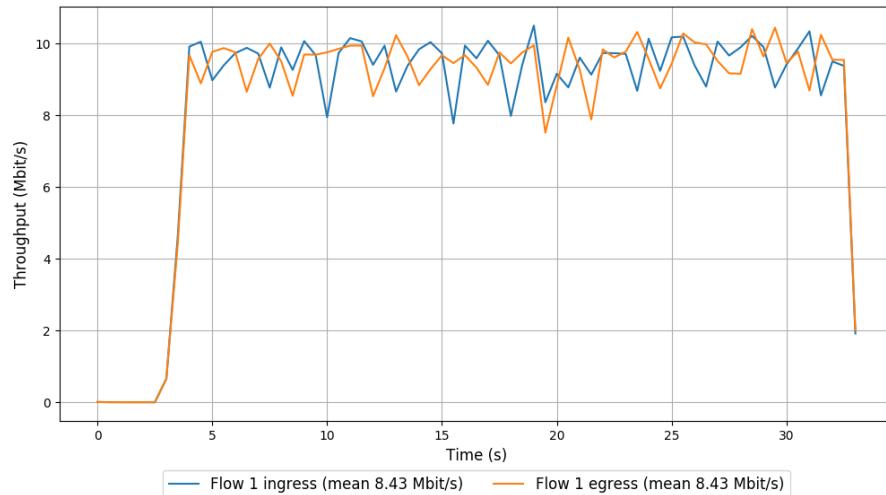


Run 3: Statistics of Sprout

```
Start at: Wed, 14 Jun 2017 05:22:28 +0000
End at: Wed, 14 Jun 2017 05:22:58 +0000
Local clock offset: 0.13 ms
Remote clock offset: -4.328 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 56.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 56.938 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

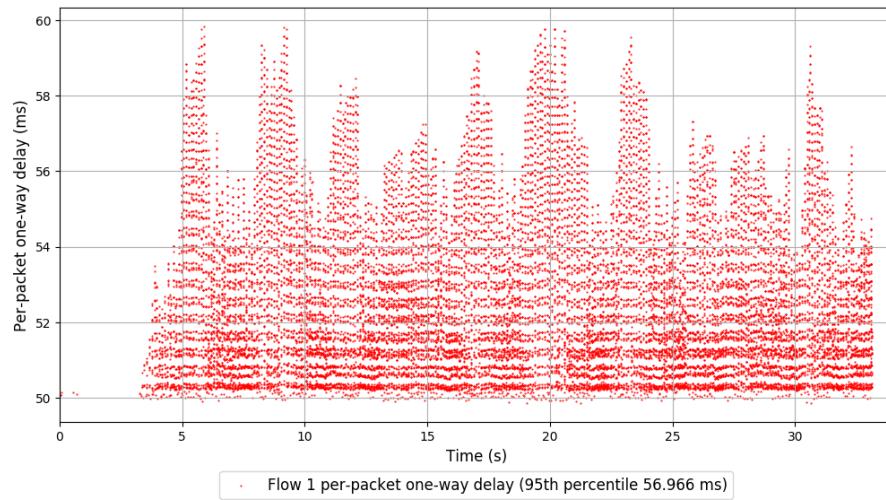
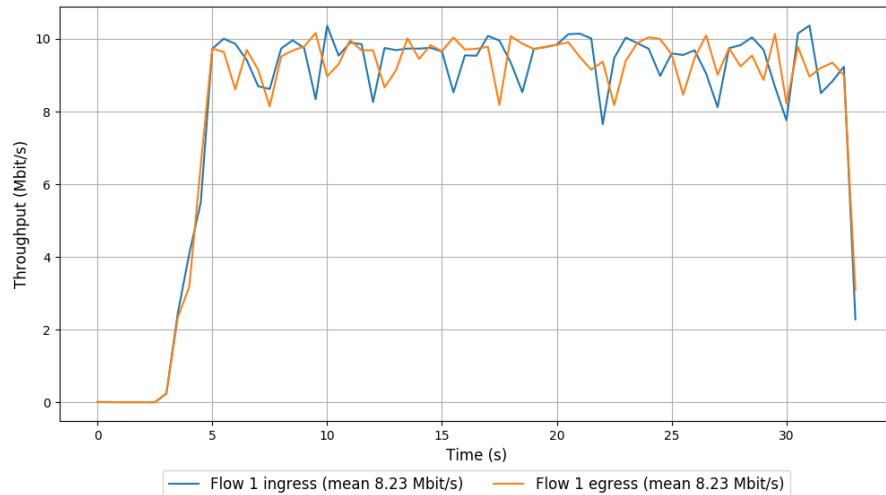


Run 4: Statistics of Sprout

```
Start at: Wed, 14 Jun 2017 05:42:08 +0000
End at: Wed, 14 Jun 2017 05:42:38 +0000
Local clock offset: -0.295 ms
Remote clock offset: -1.619 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.23 Mbit/s
95th percentile per-packet one-way delay: 56.966 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.23 Mbit/s
95th percentile per-packet one-way delay: 56.966 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

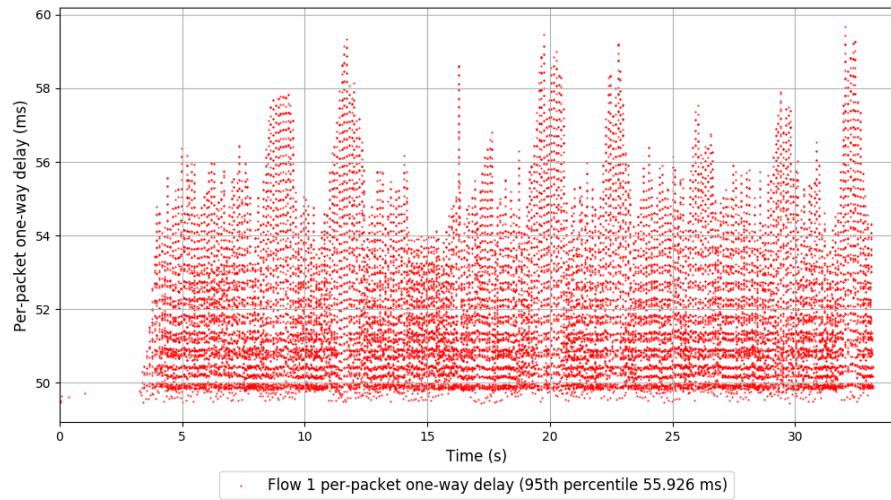
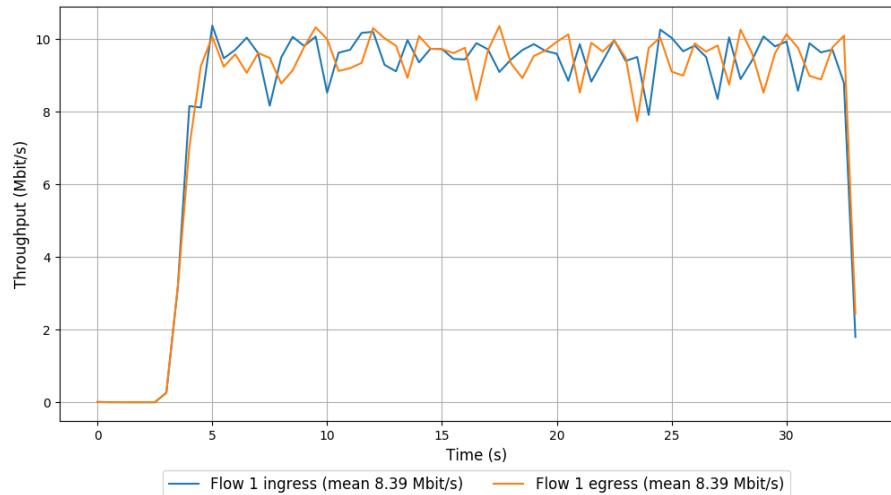


Run 5: Statistics of Sprout

```
Start at: Wed, 14 Jun 2017 06:01:43 +0000
End at: Wed, 14 Jun 2017 06:02:13 +0000
Local clock offset: -0.665 ms
Remote clock offset: -1.745 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 55.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 55.926 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

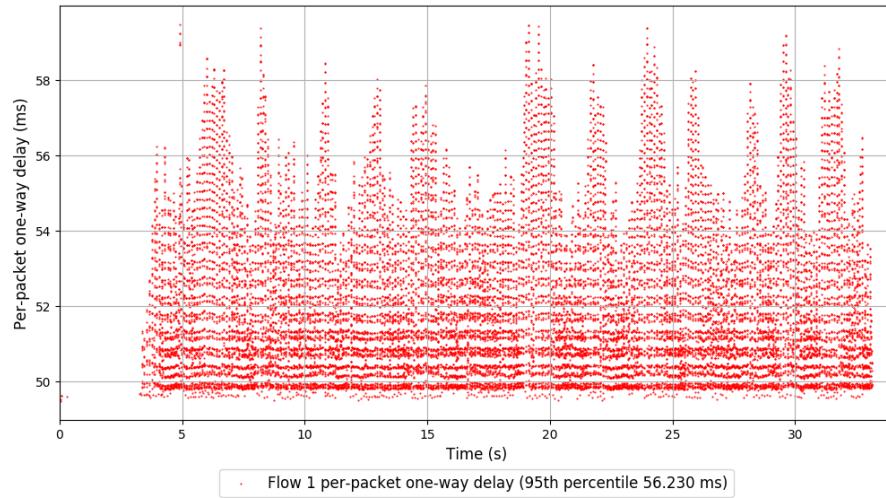
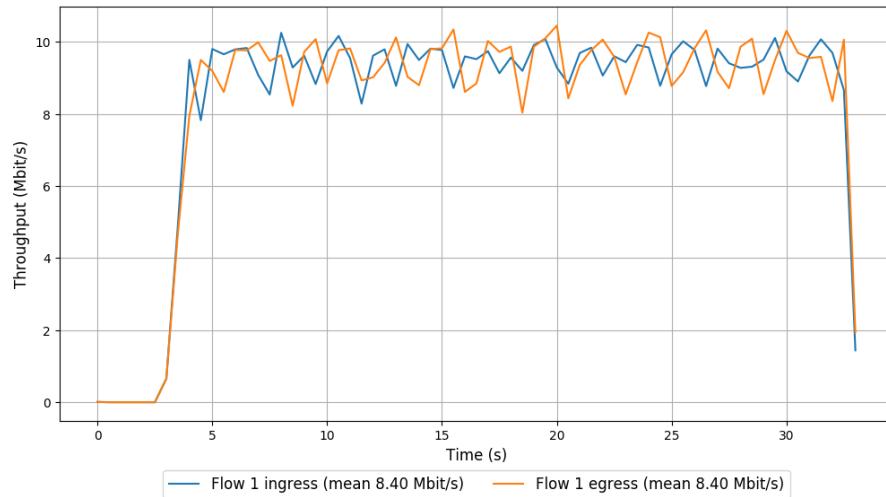


Run 6: Statistics of Sprout

```
Start at: Wed, 14 Jun 2017 06:21:25 +0000
End at: Wed, 14 Jun 2017 06:21:55 +0000
Local clock offset: -0.624 ms
Remote clock offset: -3.854 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:48:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 56.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 56.230 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

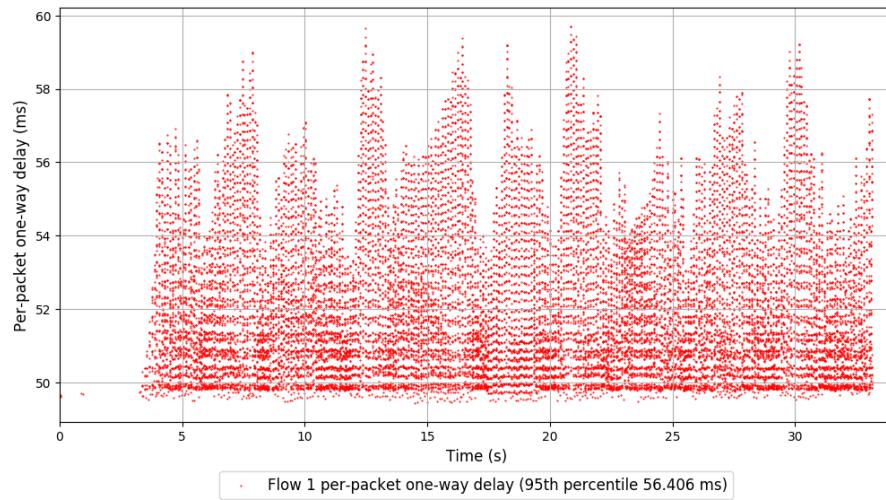
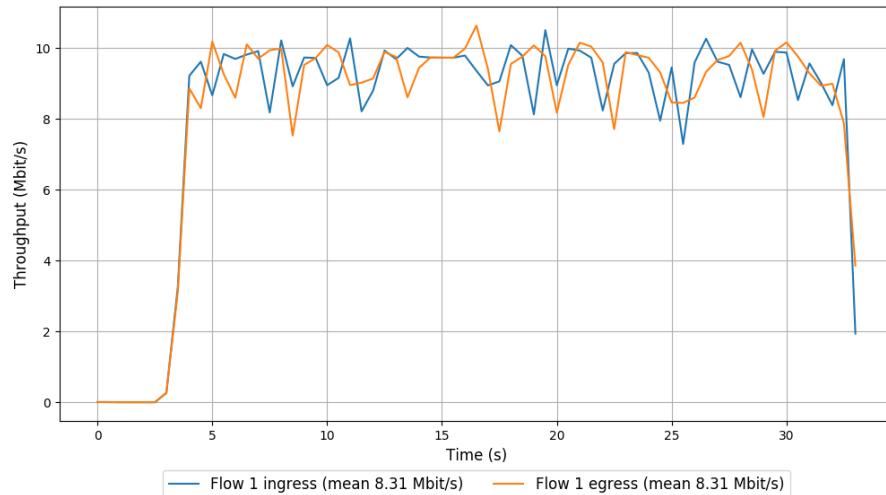


Run 7: Statistics of Sprout

```
Start at: Wed, 14 Jun 2017 06:41:07 +0000
End at: Wed, 14 Jun 2017 06:41:37 +0000
Local clock offset: -0.65 ms
Remote clock offset: 0.619 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:49:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 56.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 56.406 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

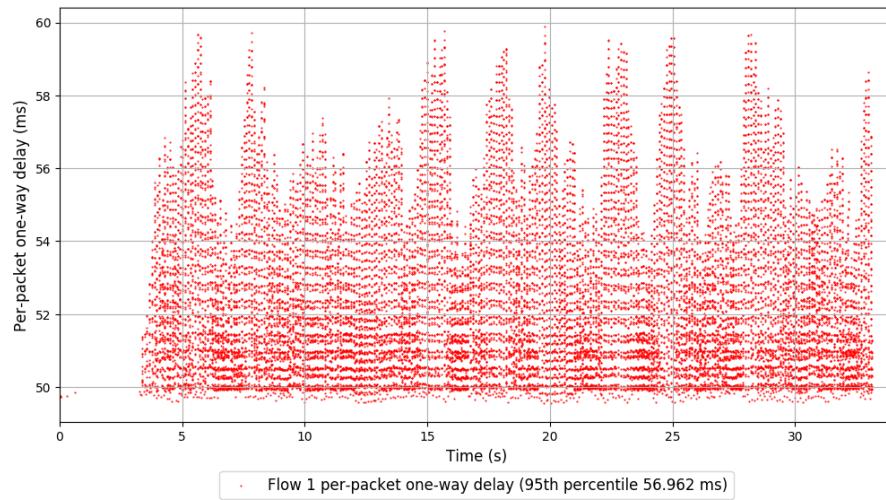
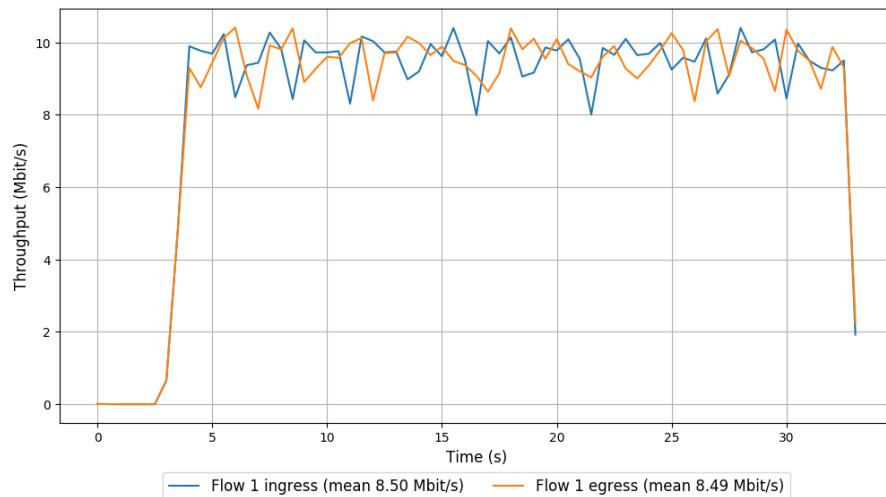


Run 8: Statistics of Sprout

```
Start at: Wed, 14 Jun 2017 07:00:51 +0000
End at: Wed, 14 Jun 2017 07:01:21 +0000
Local clock offset: -0.535 ms
Remote clock offset: -11.066 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:49:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 56.962 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 8.49 Mbit/s
95th percentile per-packet one-way delay: 56.962 ms
Loss rate: 0.04%
```

Run 8: Report of Sprout — Data Link

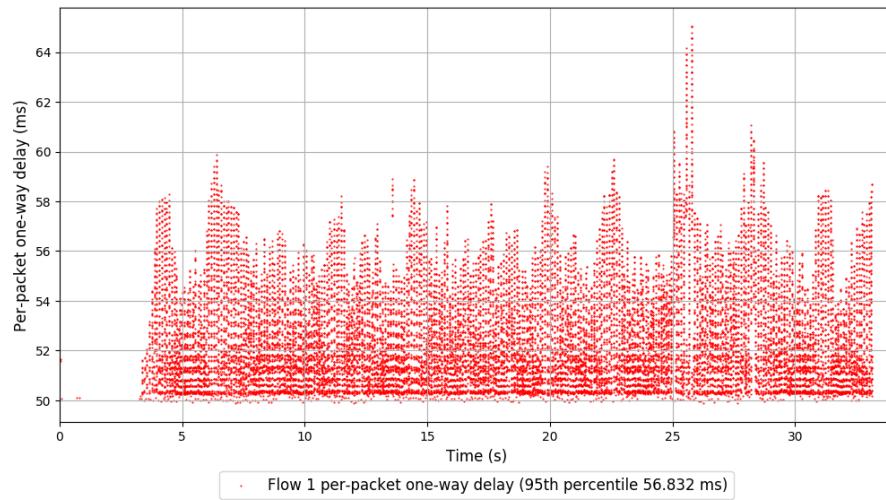
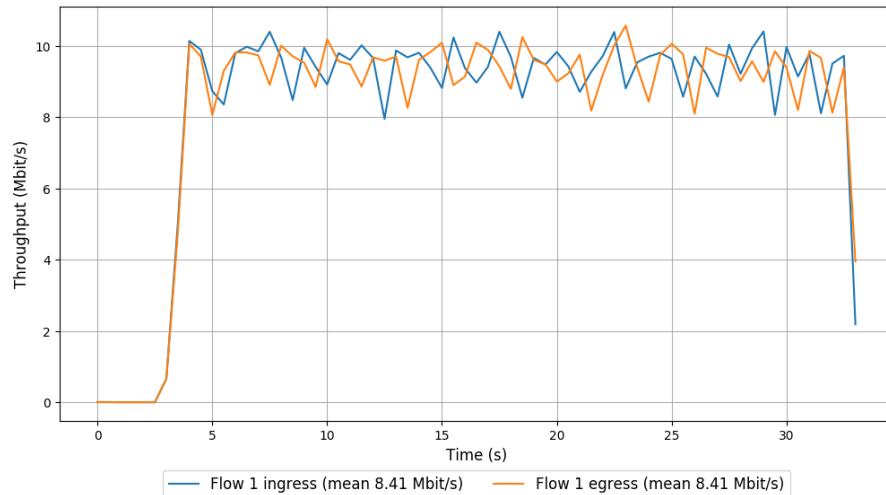


Run 9: Statistics of Sprout

```
Start at: Wed, 14 Jun 2017 07:20:32 +0000
End at: Wed, 14 Jun 2017 07:21:02 +0000
Local clock offset: -0.289 ms
Remote clock offset: -9.115 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:49:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 56.832 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 8.41 Mbit/s
95th percentile per-packet one-way delay: 56.832 ms
Loss rate: 0.07%
```

Run 9: Report of Sprout — Data Link

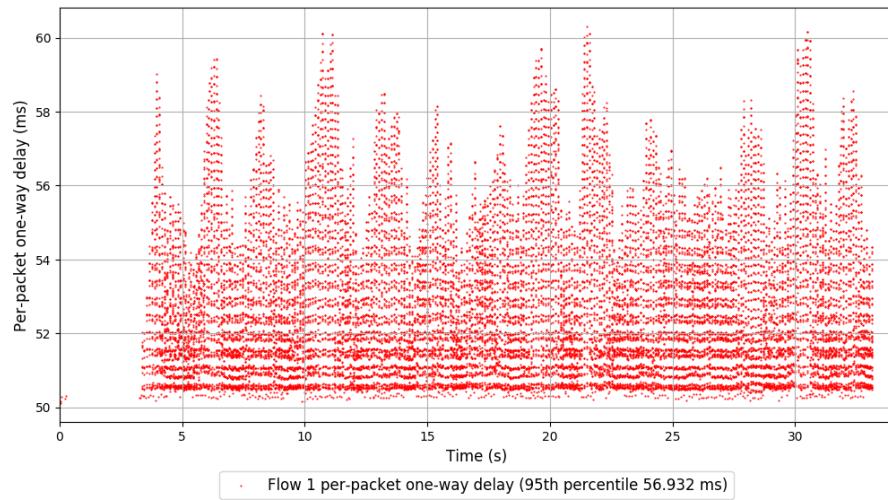
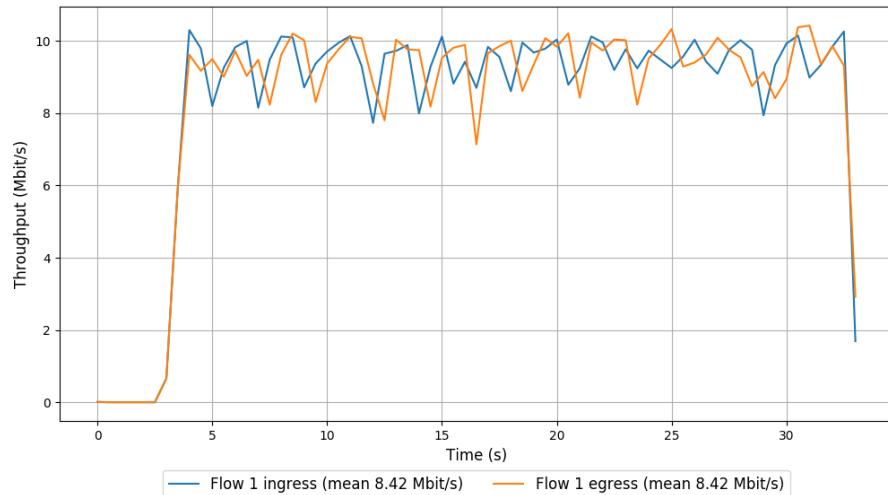


Run 10: Statistics of Sprout

```
Start at: Wed, 14 Jun 2017 07:40:16 +0000
End at: Wed, 14 Jun 2017 07:40:46 +0000
Local clock offset: -0.103 ms
Remote clock offset: -9.124 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:49:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 56.932 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 56.932 ms
Loss rate: 0.04%
```

Run 10: Report of Sprout — Data Link

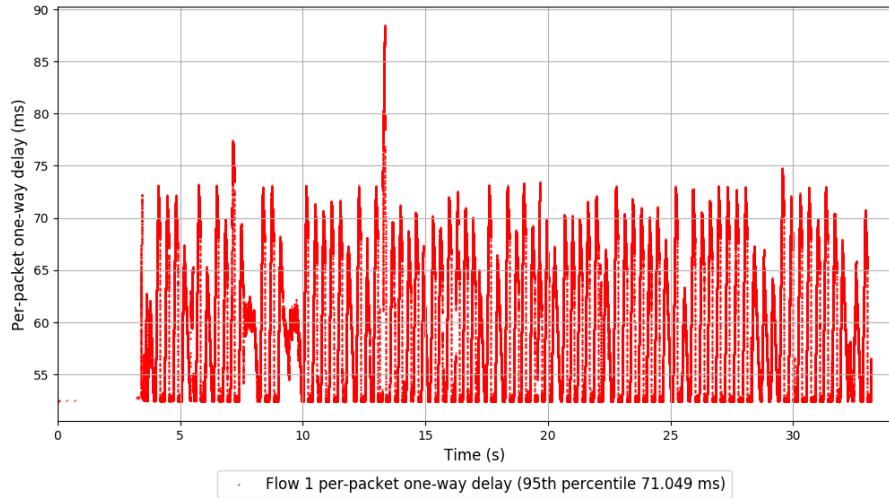
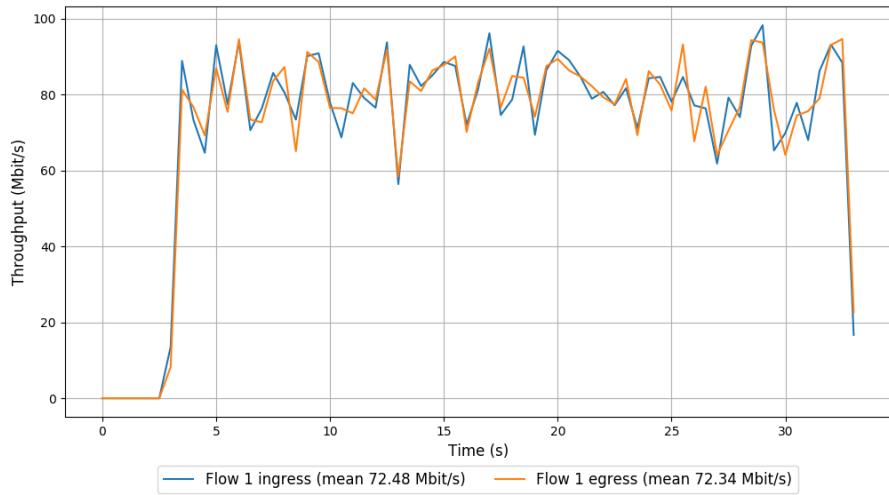


Run 1: Statistics of TaoVA-100x

```
Start at: Wed, 14 Jun 2017 04:37:39 +0000
End at: Wed, 14 Jun 2017 04:38:09 +0000
Local clock offset: 1.479 ms
Remote clock offset: -4.387 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:49:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.34 Mbit/s
95th percentile per-packet one-way delay: 71.049 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 72.34 Mbit/s
95th percentile per-packet one-way delay: 71.049 ms
Loss rate: 0.18%
```

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



Run 2: Statistics of TaoVA-100x

Start at: Wed, 14 Jun 2017 04:57:18 +0000

End at: Wed, 14 Jun 2017 04:57:49 +0000

Local clock offset: 0.733 ms

Remote clock offset: -4.149 ms

Below is generated by plot.py at Wed, 14 Jun 2017 11:49:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.50 Mbit/s

95th percentile per-packet one-way delay: 70.017 ms

Loss rate: 0.24%

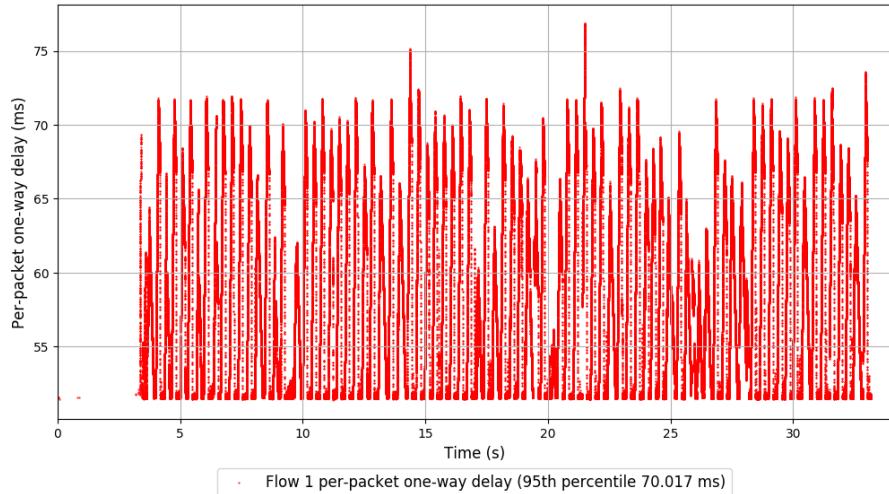
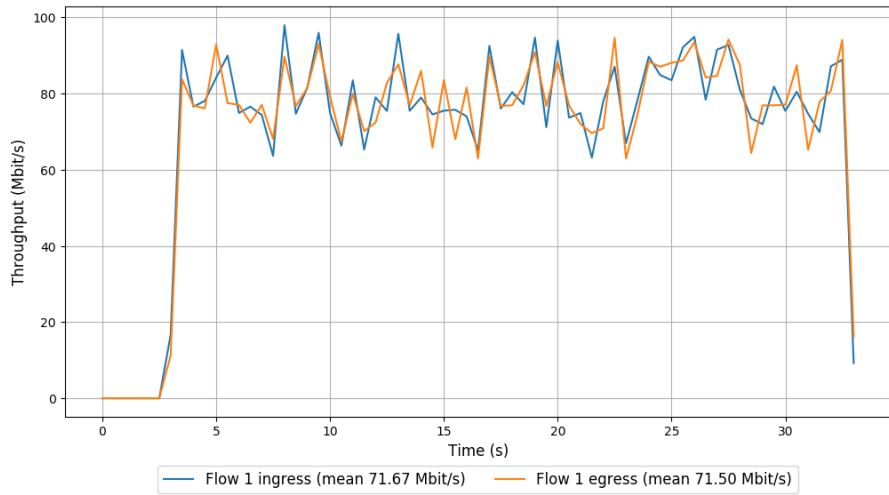
-- Flow 1:

Average throughput: 71.50 Mbit/s

95th percentile per-packet one-way delay: 70.017 ms

Loss rate: 0.24%

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

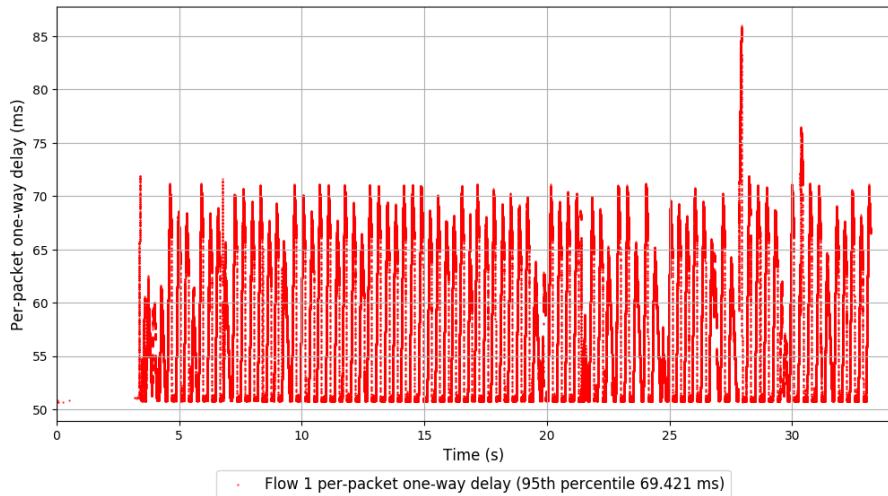
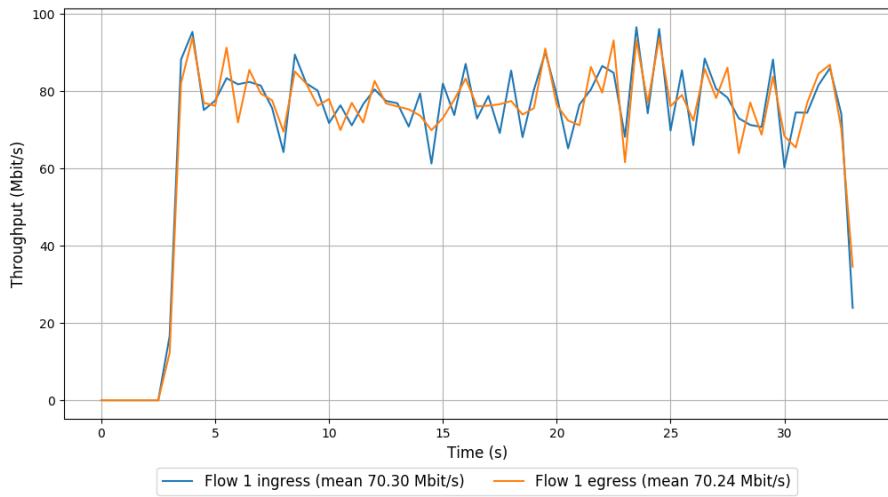


Run 3: Statistics of TaoVA-100x

```
Start at: Wed, 14 Jun 2017 05:17:04 +0000
End at: Wed, 14 Jun 2017 05:17:34 +0000
Local clock offset: 0.277 ms
Remote clock offset: -4.362 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:49:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.24 Mbit/s
95th percentile per-packet one-way delay: 69.421 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 70.24 Mbit/s
95th percentile per-packet one-way delay: 69.421 ms
Loss rate: 0.05%
```

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

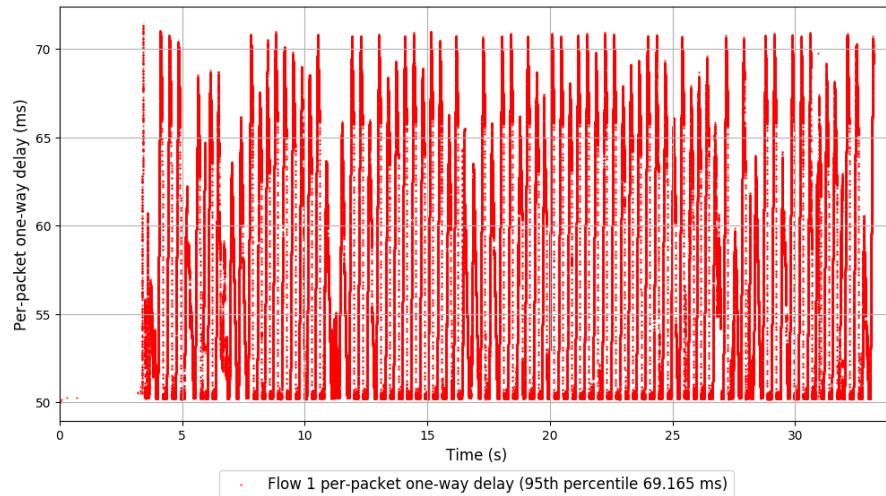
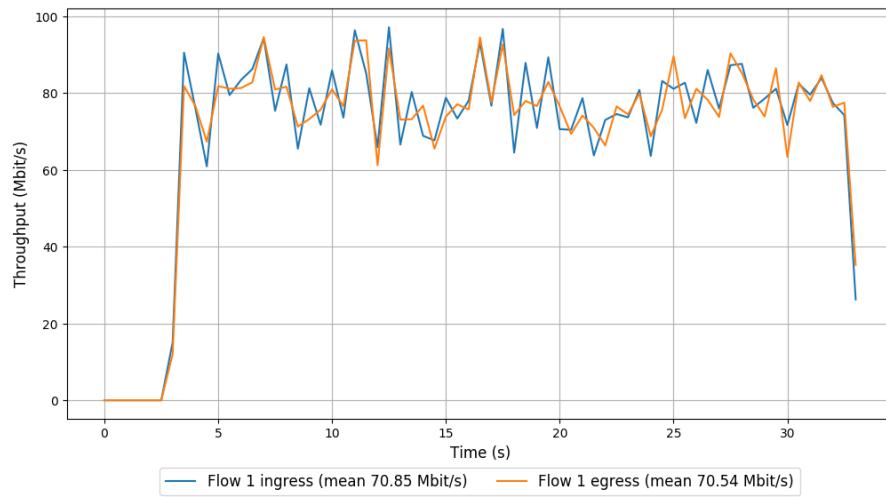


Run 4: Statistics of TaoVA-100x

```
Start at: Wed, 14 Jun 2017 05:36:46 +0000
End at: Wed, 14 Jun 2017 05:37:16 +0000
Local clock offset: -0.187 ms
Remote clock offset: -3.767 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:49:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.54 Mbit/s
95th percentile per-packet one-way delay: 69.165 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 70.54 Mbit/s
95th percentile per-packet one-way delay: 69.165 ms
Loss rate: 0.38%
```

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

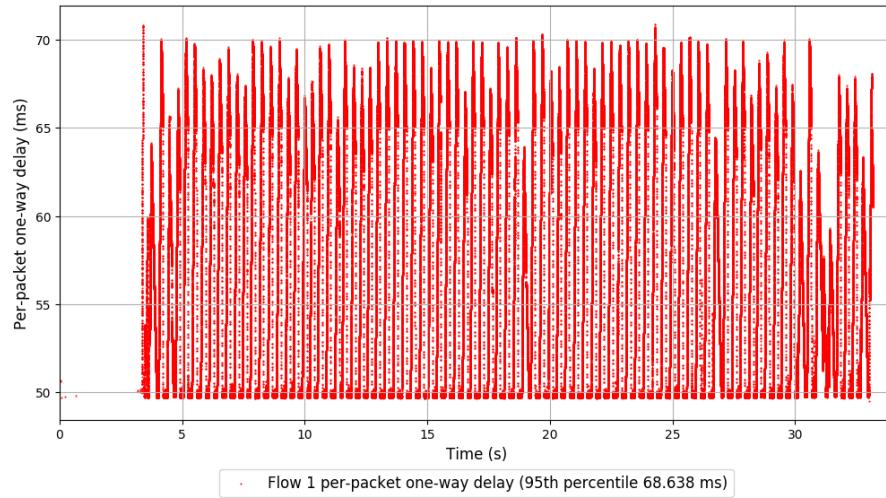
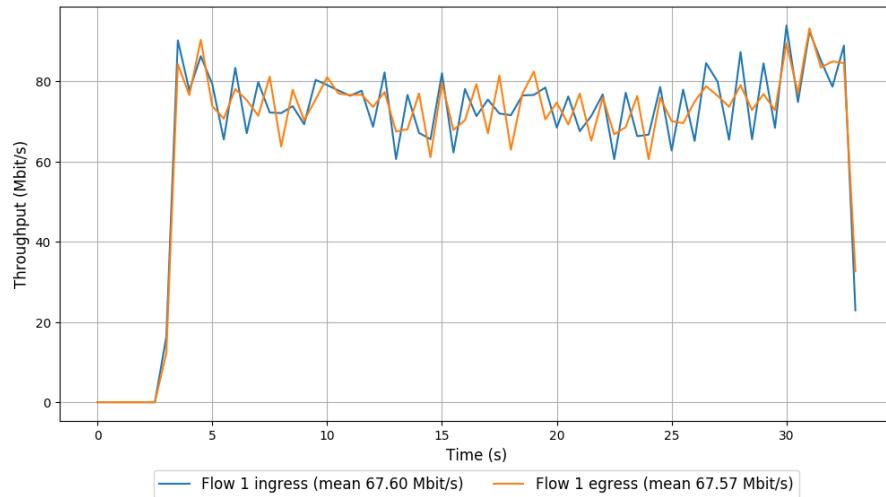


Run 5: Statistics of TaoVA-100x

```
Start at: Wed, 14 Jun 2017 05:56:24 +0000
End at: Wed, 14 Jun 2017 05:56:54 +0000
Local clock offset: -0.542 ms
Remote clock offset: -3.699 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:50:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 68.638 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 68.638 ms
Loss rate: 0.03%
```

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

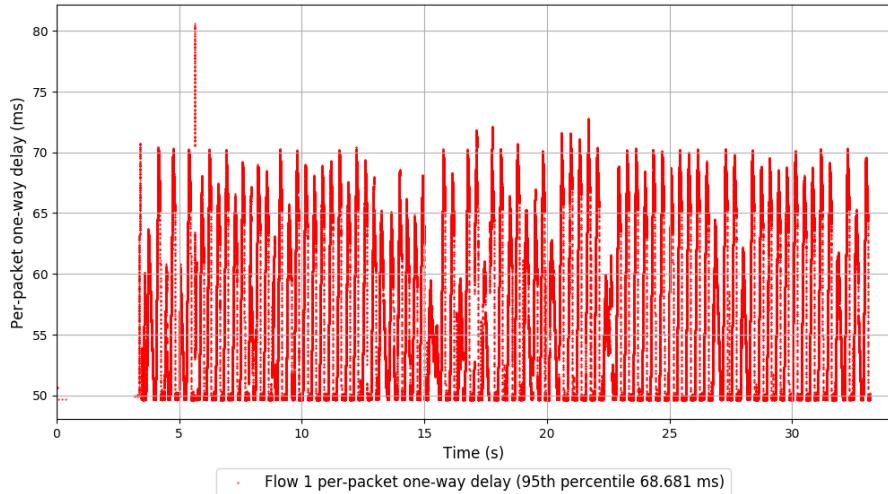
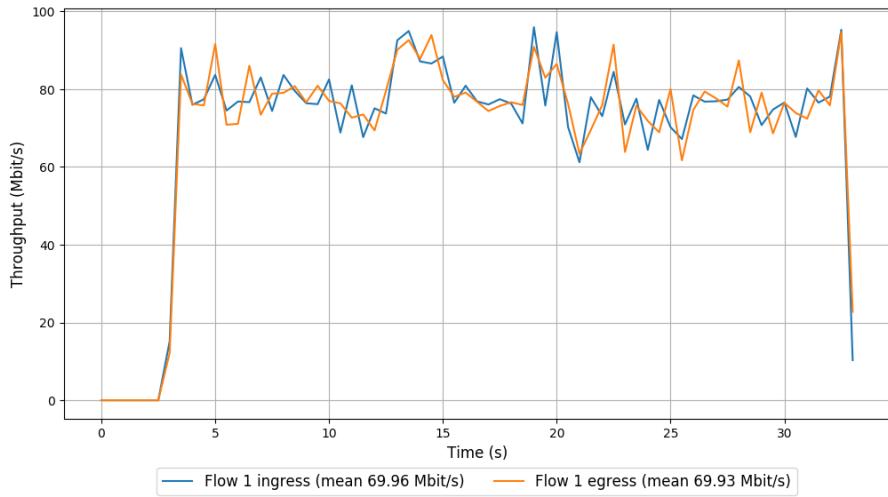


Run 6: Statistics of TaoVA-100x

```
Start at: Wed, 14 Jun 2017 06:16:06 +0000
End at: Wed, 14 Jun 2017 06:16:36 +0000
Local clock offset: -0.612 ms
Remote clock offset: -1.33 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:50:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 68.681 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 68.681 ms
Loss rate: 0.04%
```

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



Run 7: Statistics of TaoVA-100x

Start at: Wed, 14 Jun 2017 06:35:44 +0000

End at: Wed, 14 Jun 2017 06:36:14 +0000

Local clock offset: -0.697 ms

Remote clock offset: -1.204 ms

Below is generated by plot.py at Wed, 14 Jun 2017 11:50:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.64 Mbit/s

95th percentile per-packet one-way delay: 68.712 ms

Loss rate: 0.00%

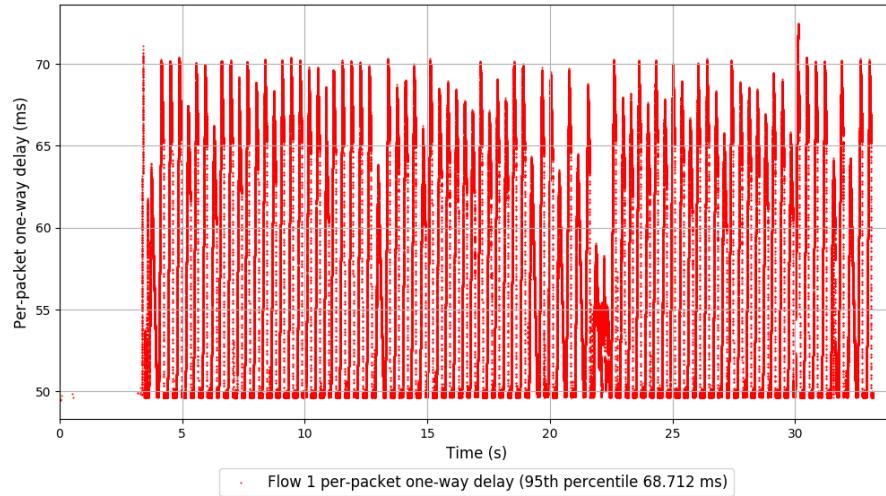
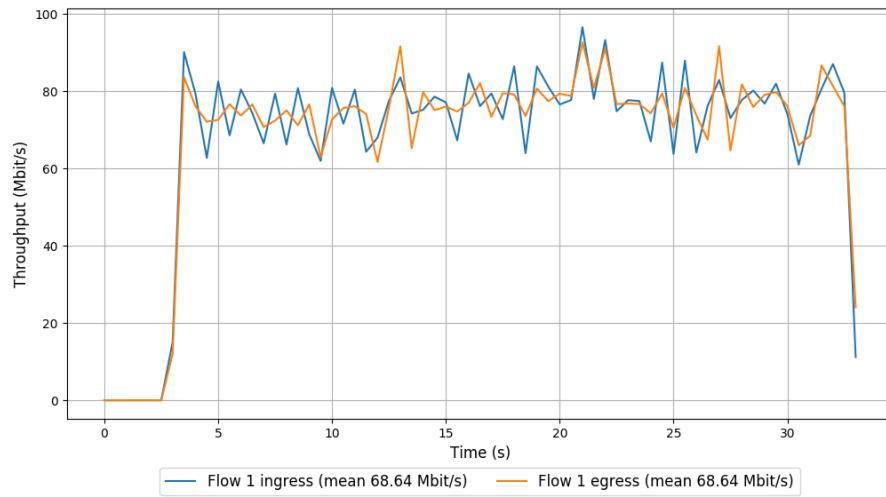
-- Flow 1:

Average throughput: 68.64 Mbit/s

95th percentile per-packet one-way delay: 68.712 ms

Loss rate: 0.00%

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

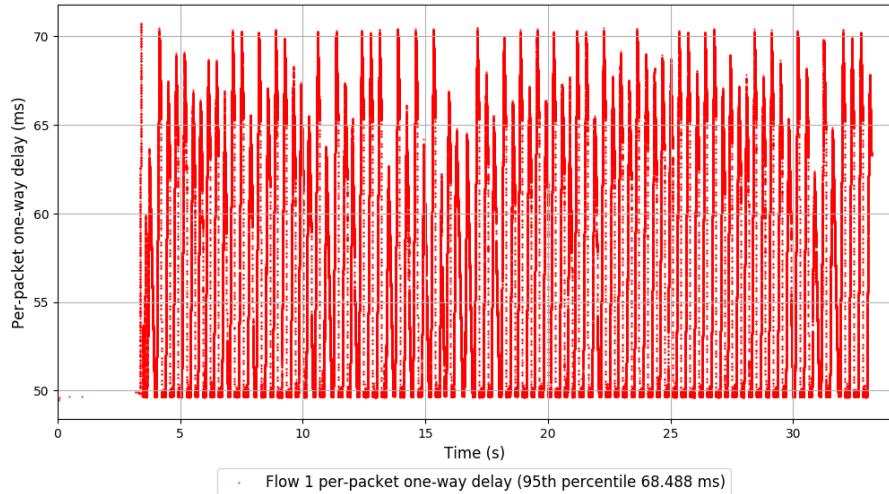
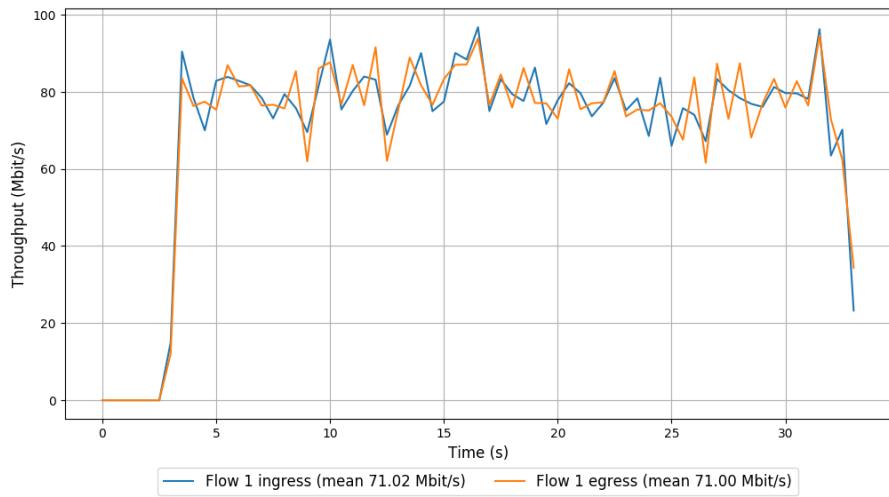


Run 8: Statistics of TaoVA-100x

```
Start at: Wed, 14 Jun 2017 06:55:28 +0000
End at: Wed, 14 Jun 2017 06:55:58 +0000
Local clock offset: -0.647 ms
Remote clock offset: -9.0 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:50:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 68.488 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 68.488 ms
Loss rate: 0.00%
```

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

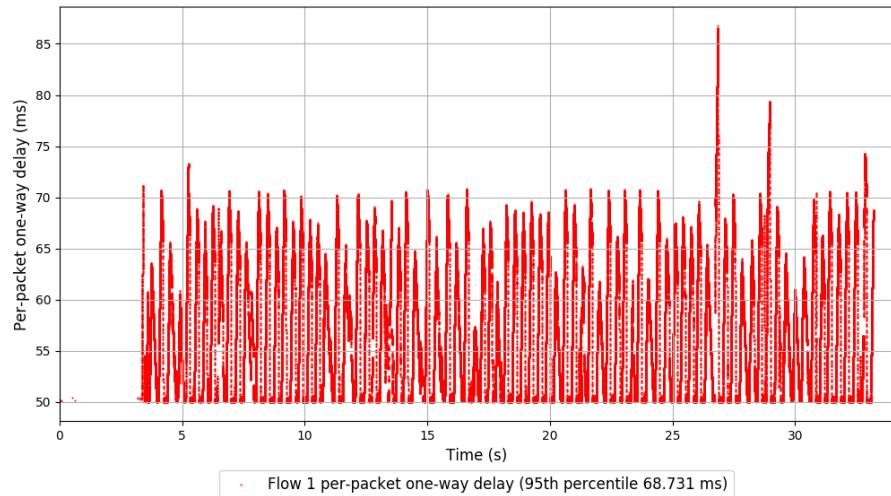
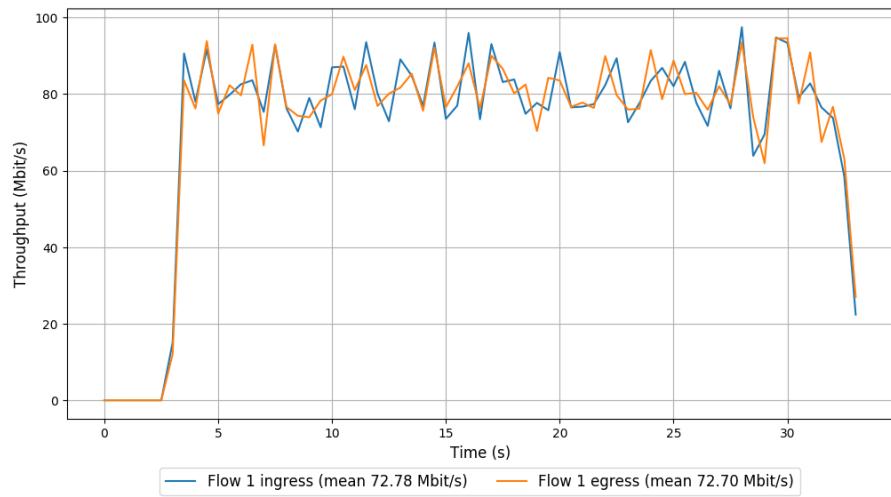


Run 9: Statistics of TaoVA-100x

```
Start at: Wed, 14 Jun 2017 07:15:11 +0000
End at: Wed, 14 Jun 2017 07:15:41 +0000
Local clock offset: -0.424 ms
Remote clock offset: -9.099 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:50:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.70 Mbit/s
95th percentile per-packet one-way delay: 68.731 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 72.70 Mbit/s
95th percentile per-packet one-way delay: 68.731 ms
Loss rate: 0.08%
```

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



Run 10: Statistics of TaoVA-100x

Start at: Wed, 14 Jun 2017 07:34:53 +0000

End at: Wed, 14 Jun 2017 07:35:23 +0000

Local clock offset: -0.122 ms

Remote clock offset: -11.54 ms

Below is generated by plot.py at Wed, 14 Jun 2017 11:50:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.96 Mbit/s

95th percentile per-packet one-way delay: 68.467 ms

Loss rate: 0.47%

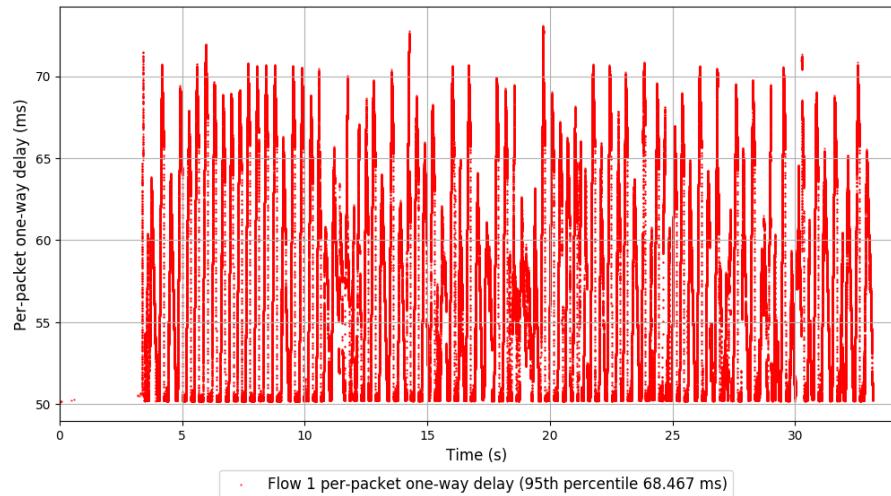
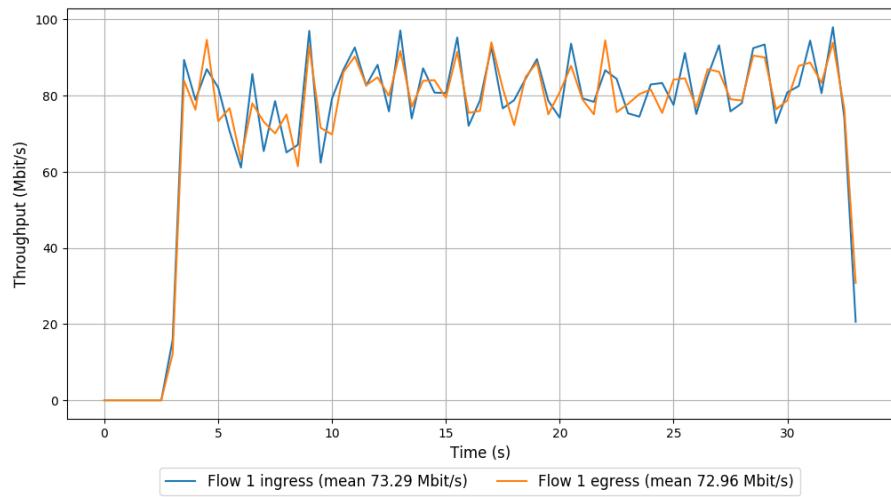
-- Flow 1:

Average throughput: 72.96 Mbit/s

95th percentile per-packet one-way delay: 68.467 ms

Loss rate: 0.47%

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

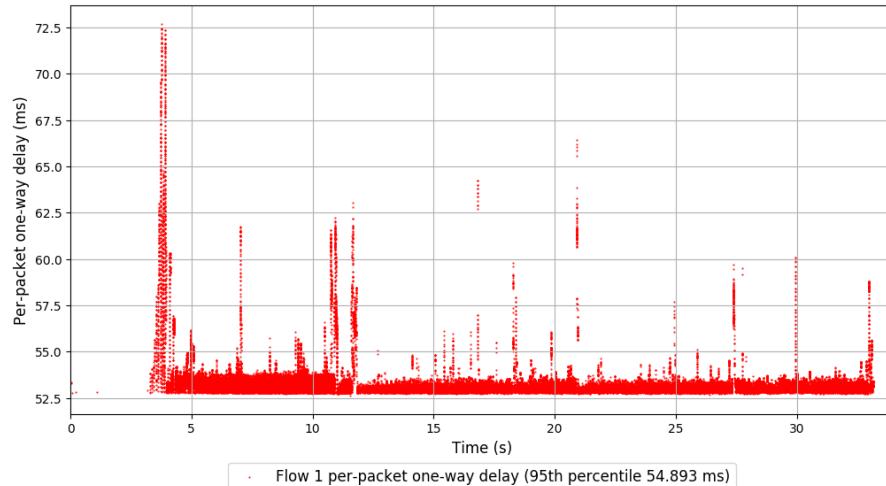
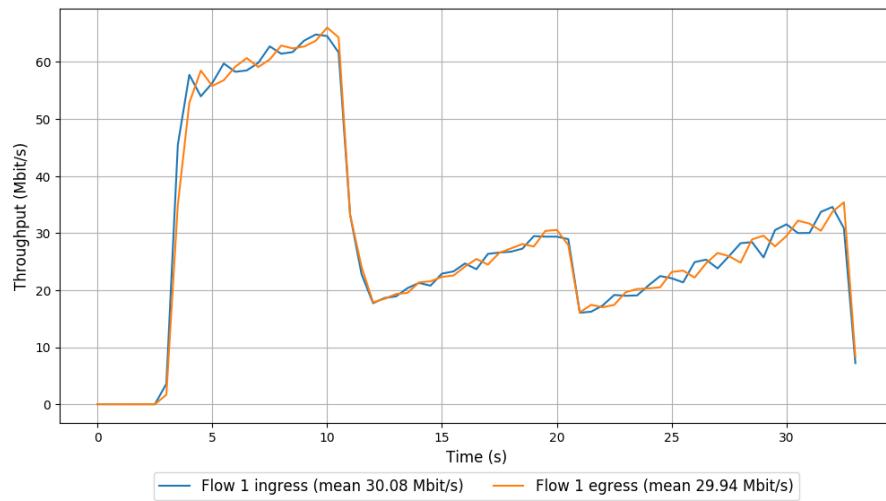


Run 1: Statistics of TCP Vegas

```
Start at: Wed, 14 Jun 2017 04:31:07 +0000
End at: Wed, 14 Jun 2017 04:31:37 +0000
Local clock offset: 1.816 ms
Remote clock offset: -1.869 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:50:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 54.893 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 29.94 Mbit/s
95th percentile per-packet one-way delay: 54.893 ms
Loss rate: 0.47%
```

Run 1: Report of TCP Vegas — Data Link

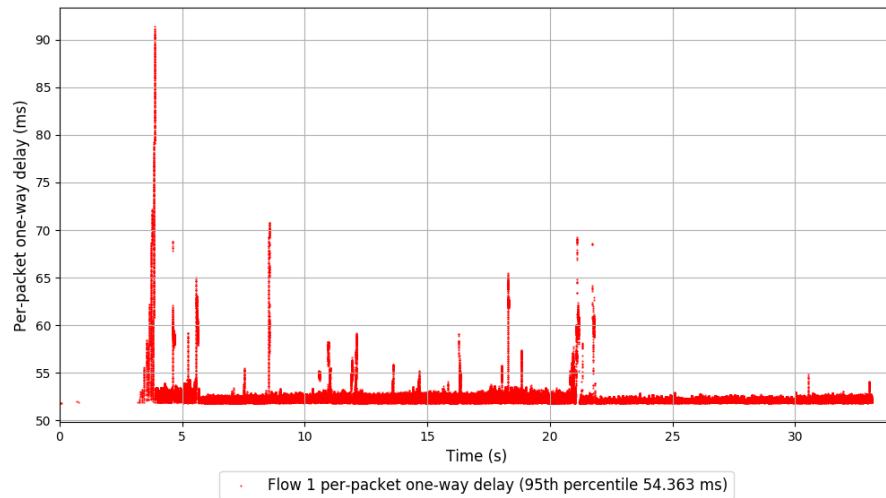
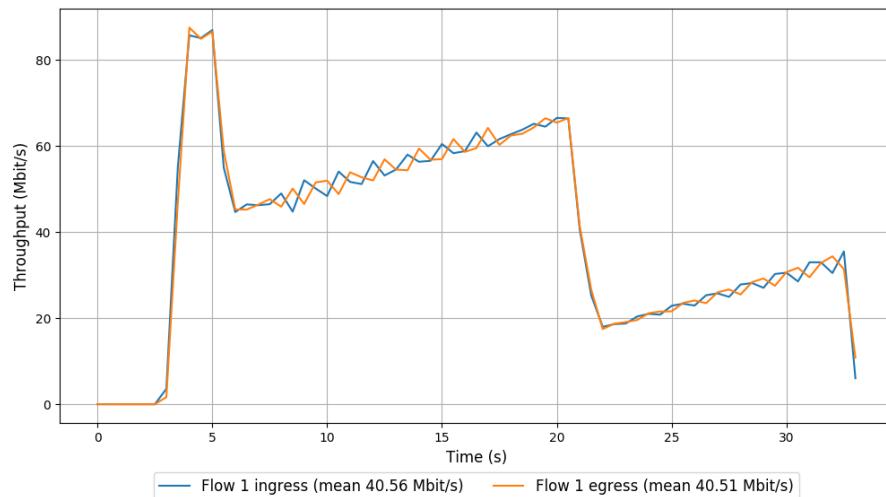


Run 2: Statistics of TCP Vegas

```
Start at: Wed, 14 Jun 2017 04:50:46 +0000
End at: Wed, 14 Jun 2017 04:51:16 +0000
Local clock offset: 1.013 ms
Remote clock offset: -2.009 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:50:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 54.363 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 54.363 ms
Loss rate: 0.12%
```

Run 2: Report of TCP Vegas — Data Link

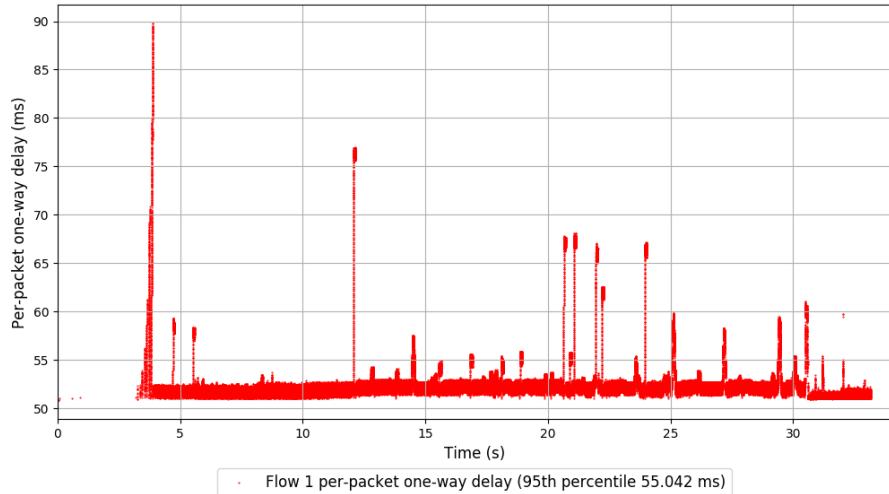
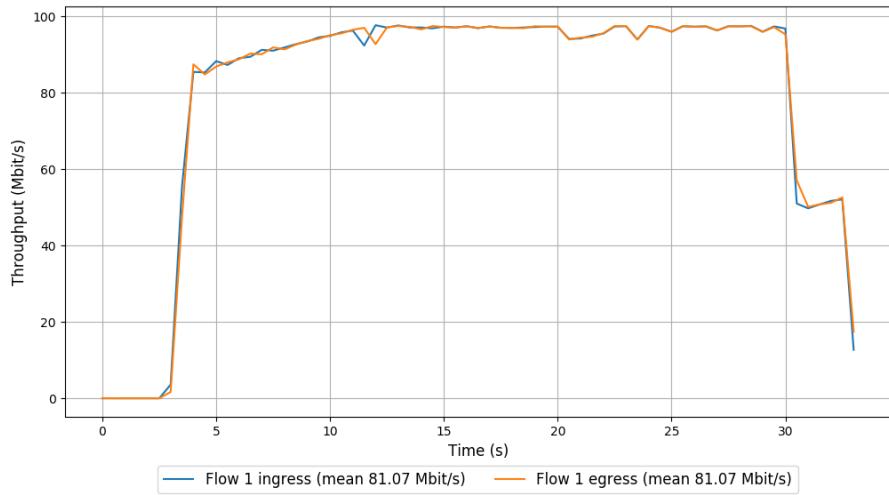


Run 3: Statistics of TCP Vegas

```
Start at: Wed, 14 Jun 2017 05:10:28 +0000
End at: Wed, 14 Jun 2017 05:10:58 +0000
Local clock offset: 0.488 ms
Remote clock offset: -2.061 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:50:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 55.042 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 55.042 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Vegas — Data Link

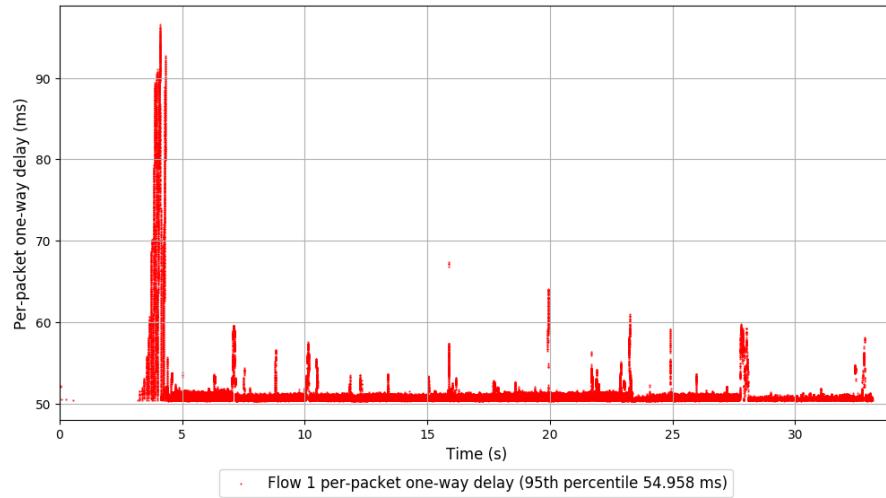
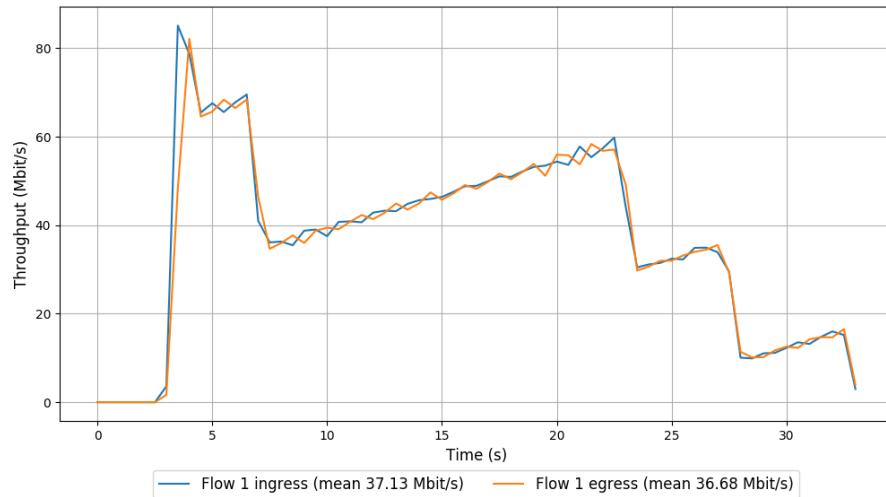


Run 4: Statistics of TCP Vegas

```
Start at: Wed, 14 Jun 2017 05:30:15 +0000
End at: Wed, 14 Jun 2017 05:30:45 +0000
Local clock offset: -0.087 ms
Remote clock offset: -1.236 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:50:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 54.958 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 54.958 ms
Loss rate: 1.25%
```

Run 4: Report of TCP Vegas — Data Link

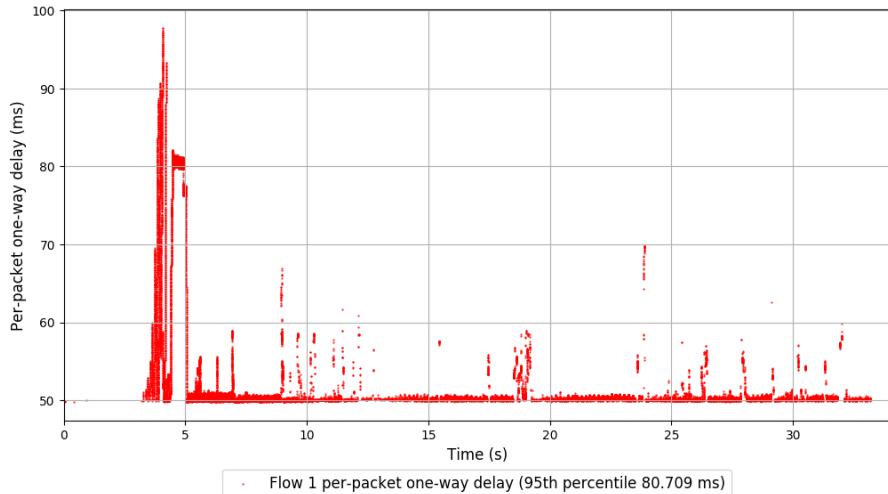
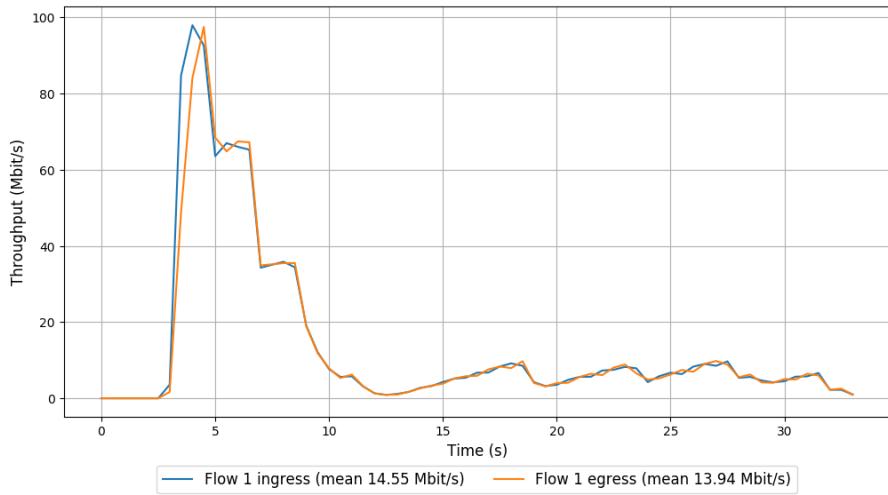


Run 5: Statistics of TCP Vegas

```
Start at: Wed, 14 Jun 2017 05:49:52 +0000
End at: Wed, 14 Jun 2017 05:50:22 +0000
Local clock offset: -0.346 ms
Remote clock offset: -4.045 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:50:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.94 Mbit/s
95th percentile per-packet one-way delay: 80.709 ms
Loss rate: 4.20%
-- Flow 1:
Average throughput: 13.94 Mbit/s
95th percentile per-packet one-way delay: 80.709 ms
Loss rate: 4.20%
```

Run 5: Report of TCP Vegas — Data Link

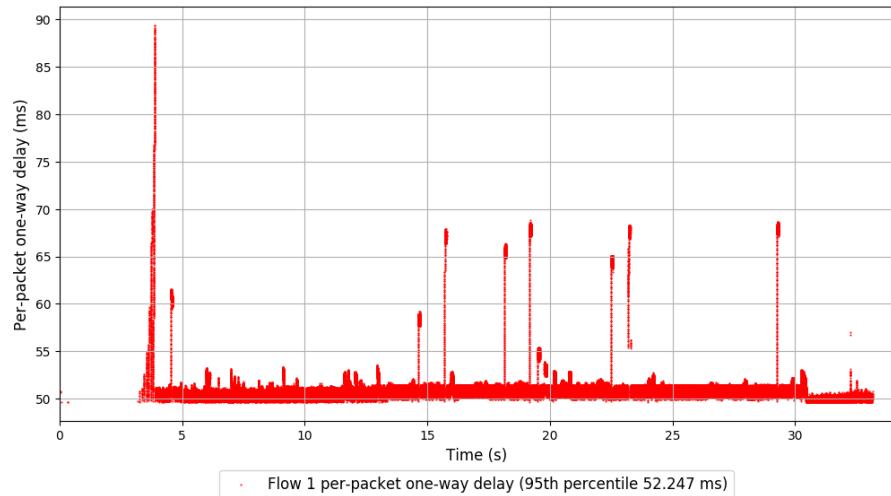
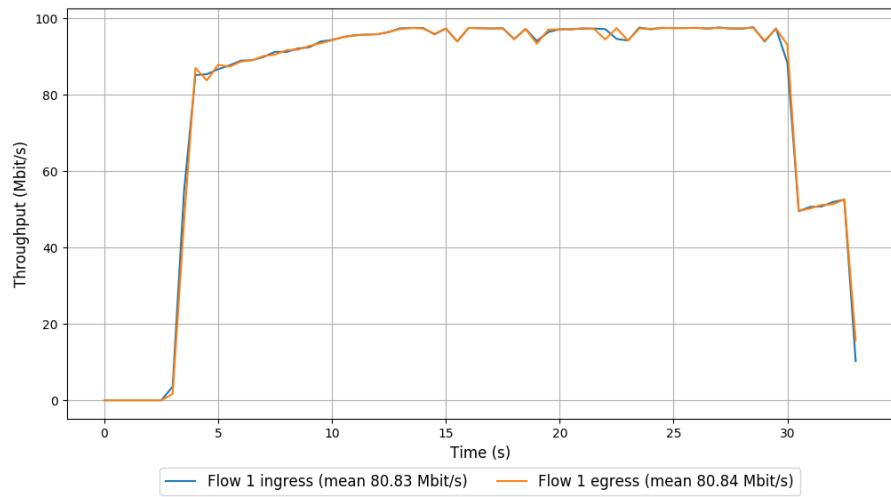


Run 6: Statistics of TCP Vegas

```
Start at: Wed, 14 Jun 2017 06:09:31 +0000
End at: Wed, 14 Jun 2017 06:10:01 +0000
Local clock offset: -0.697 ms
Remote clock offset: -1.777 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 52.247 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.84 Mbit/s
95th percentile per-packet one-way delay: 52.247 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

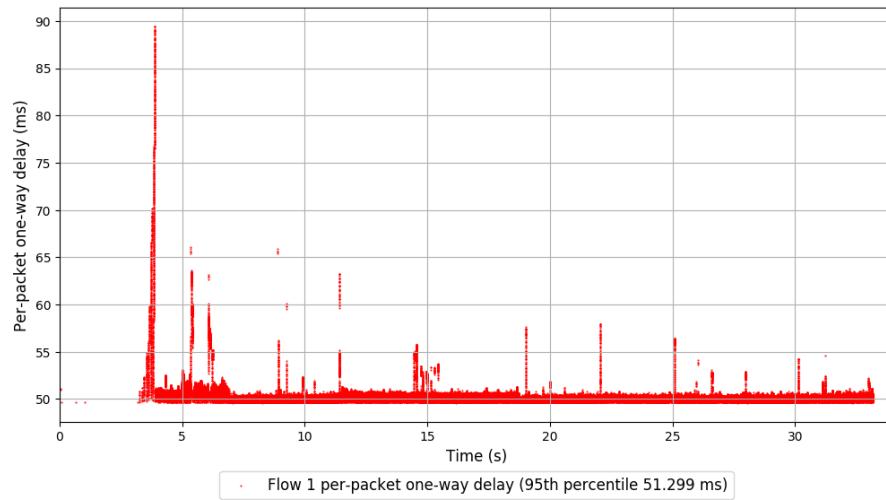
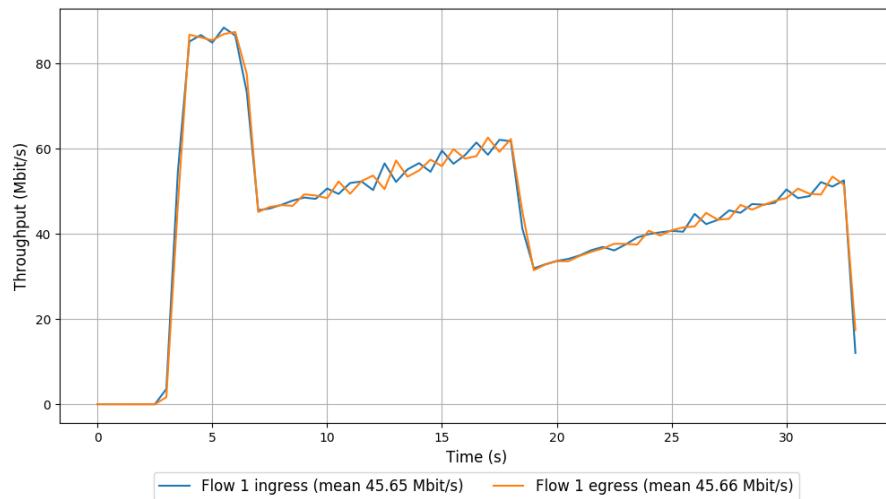


Run 7: Statistics of TCP Vegas

```
Start at: Wed, 14 Jun 2017 06:29:10 +0000
End at: Wed, 14 Jun 2017 06:29:40 +0000
Local clock offset: -0.589 ms
Remote clock offset: -2.021 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 51.299 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 45.66 Mbit/s
95th percentile per-packet one-way delay: 51.299 ms
Loss rate: 0.01%
```

Run 7: Report of TCP Vegas — Data Link

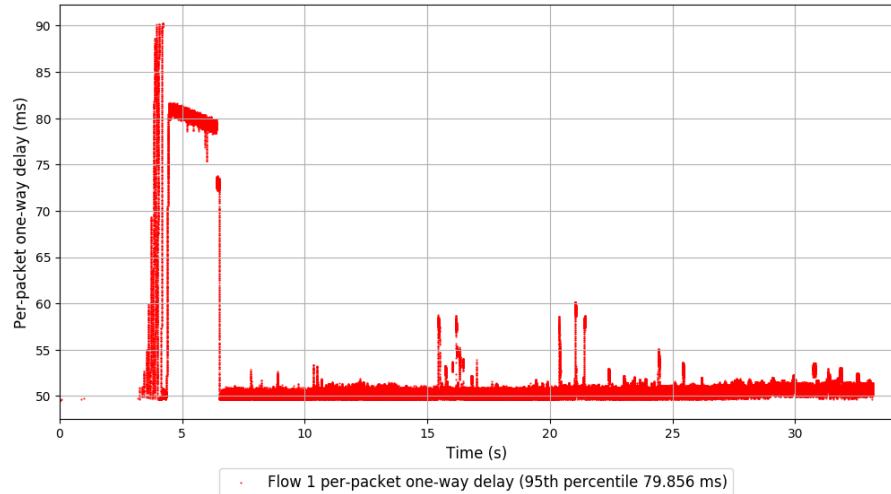
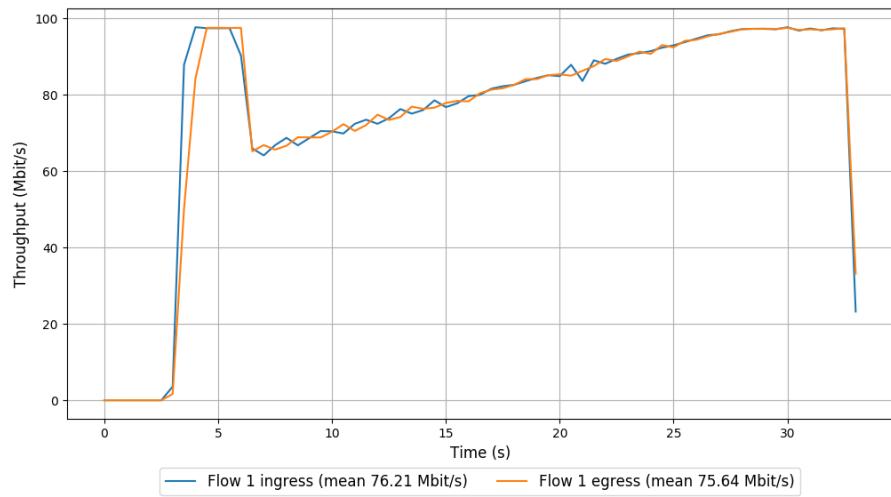


Run 8: Statistics of TCP Vegas

```
Start at: Wed, 14 Jun 2017 06:48:52 +0000
End at: Wed, 14 Jun 2017 06:49:22 +0000
Local clock offset: -0.568 ms
Remote clock offset: -9.385 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 79.856 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 79.856 ms
Loss rate: 0.76%
```

Run 8: Report of TCP Vegas — Data Link

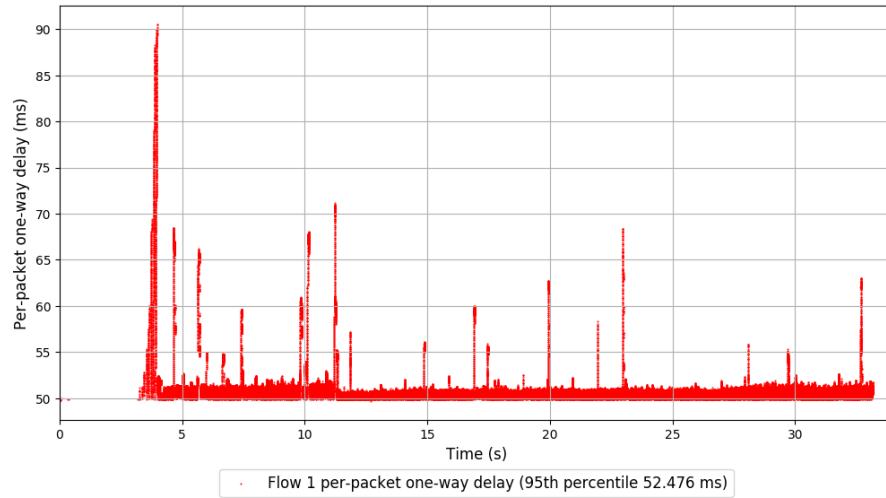
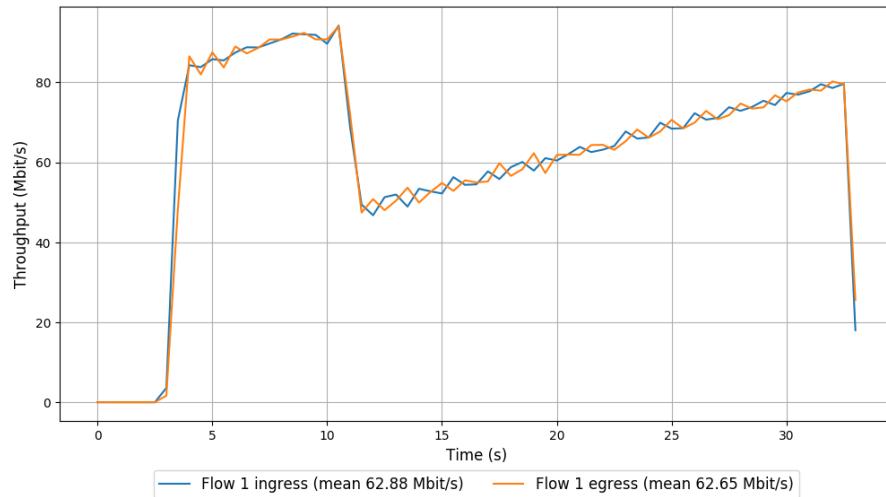


Run 9: Statistics of TCP Vegas

```
Start at: Wed, 14 Jun 2017 07:08:36 +0000
End at: Wed, 14 Jun 2017 07:09:06 +0000
Local clock offset: -0.474 ms
Remote clock offset: -9.168 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.65 Mbit/s
95th percentile per-packet one-way delay: 52.476 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 62.65 Mbit/s
95th percentile per-packet one-way delay: 52.476 ms
Loss rate: 0.38%
```

Run 9: Report of TCP Vegas — Data Link

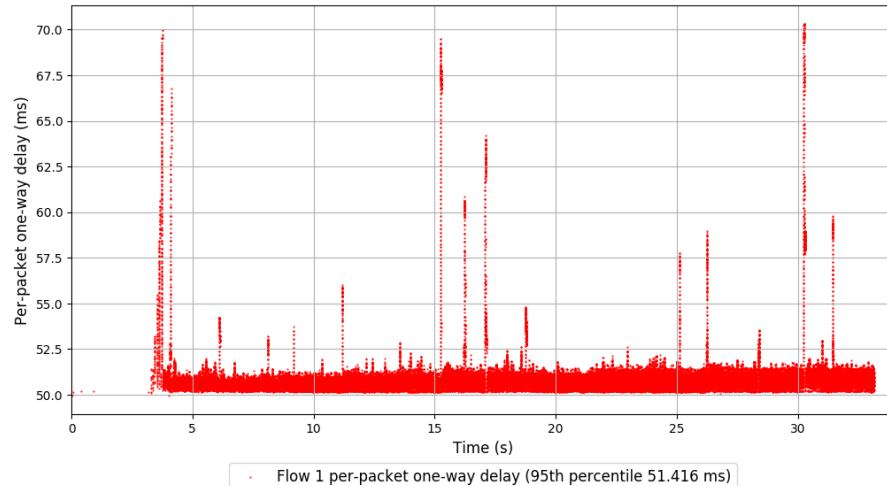
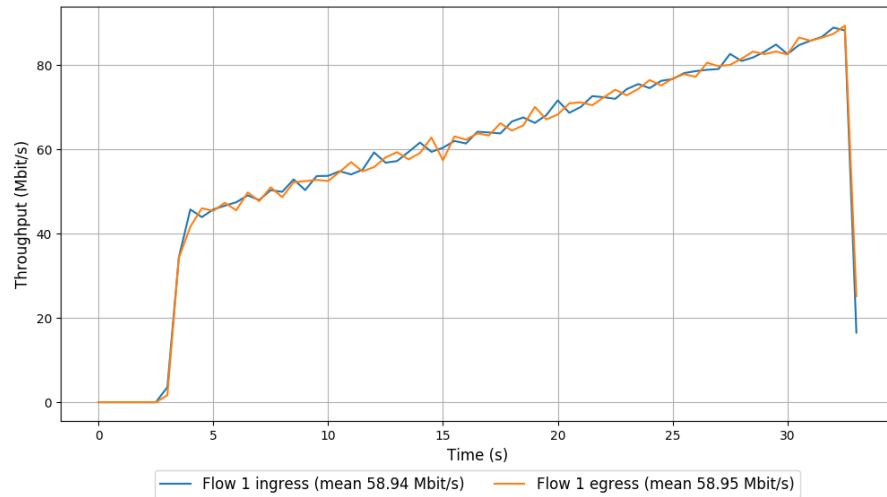


Run 10: Statistics of TCP Vegas

```
Start at: Wed, 14 Jun 2017 07:28:18 +0000
End at: Wed, 14 Jun 2017 07:28:48 +0000
Local clock offset: -0.166 ms
Remote clock offset: -11.15 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 51.416 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.95 Mbit/s
95th percentile per-packet one-way delay: 51.416 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Vegas — Data Link

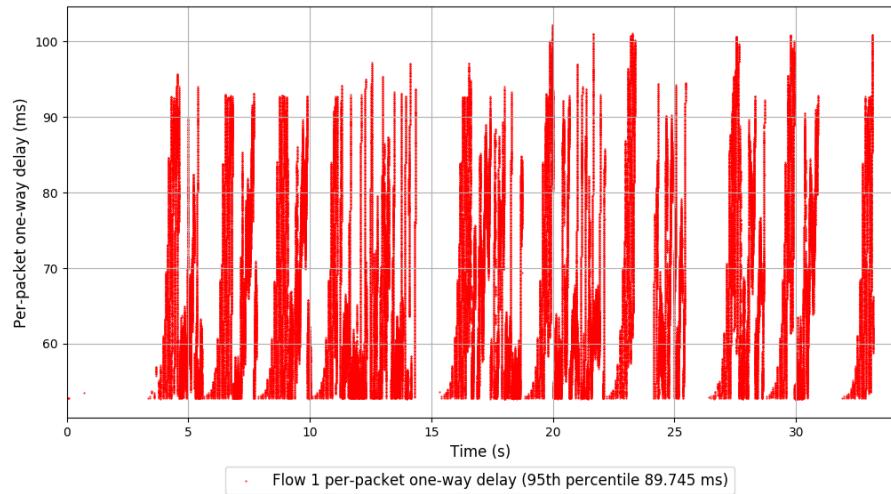
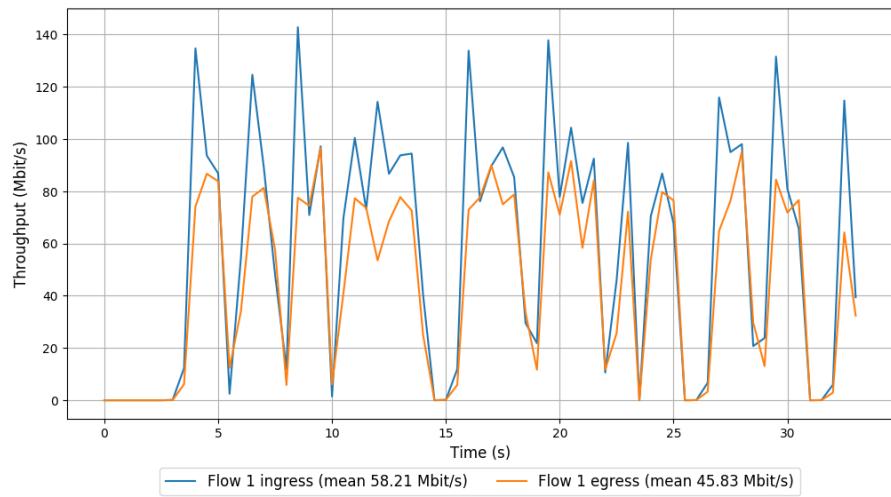


Run 1: Statistics of Verus

```
Start at: Wed, 14 Jun 2017 04:32:25 +0000
End at: Wed, 14 Jun 2017 04:32:55 +0000
Local clock offset: 1.76 ms
Remote clock offset: -2.311 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.83 Mbit/s
95th percentile per-packet one-way delay: 89.745 ms
Loss rate: 21.24%
-- Flow 1:
Average throughput: 45.83 Mbit/s
95th percentile per-packet one-way delay: 89.745 ms
Loss rate: 21.24%
```

Run 1: Report of Verus — Data Link

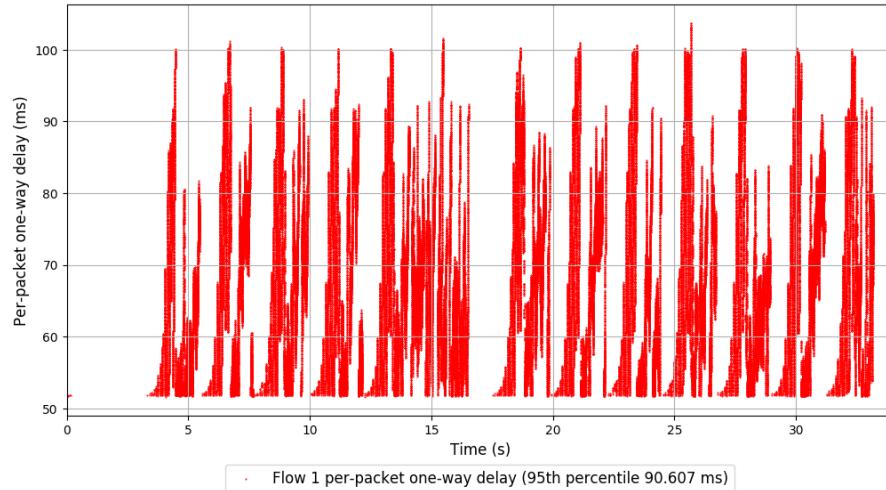
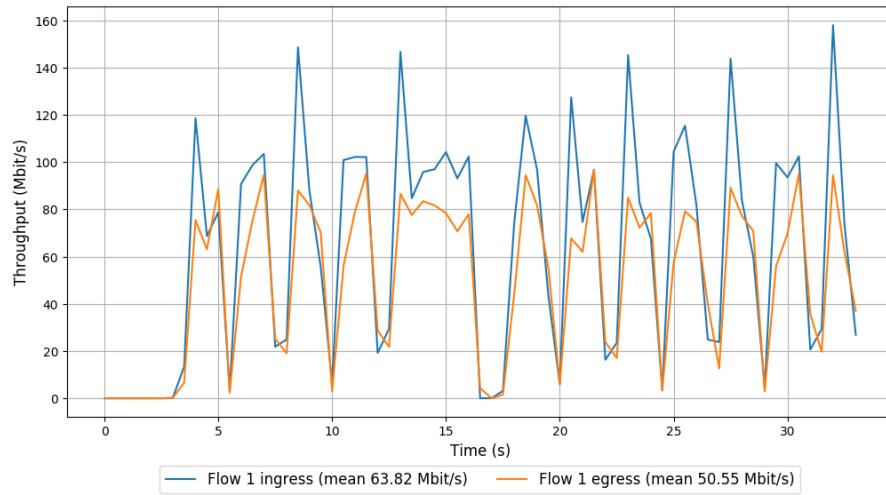


Run 2: Statistics of Verus

```
Start at: Wed, 14 Jun 2017 04:52:04 +0000
End at: Wed, 14 Jun 2017 04:52:34 +0000
Local clock offset: 0.956 ms
Remote clock offset: -4.198 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.55 Mbit/s
95th percentile per-packet one-way delay: 90.607 ms
Loss rate: 20.74%
-- Flow 1:
Average throughput: 50.55 Mbit/s
95th percentile per-packet one-way delay: 90.607 ms
Loss rate: 20.74%
```

Run 2: Report of Verus — Data Link

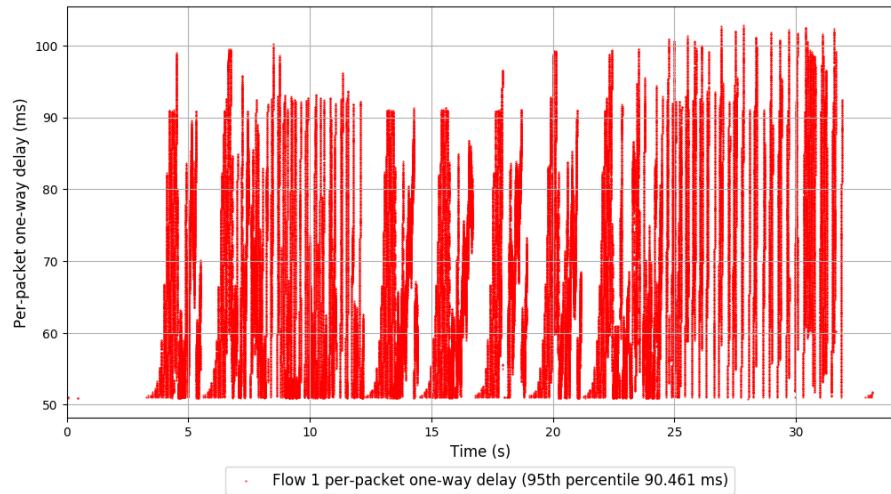
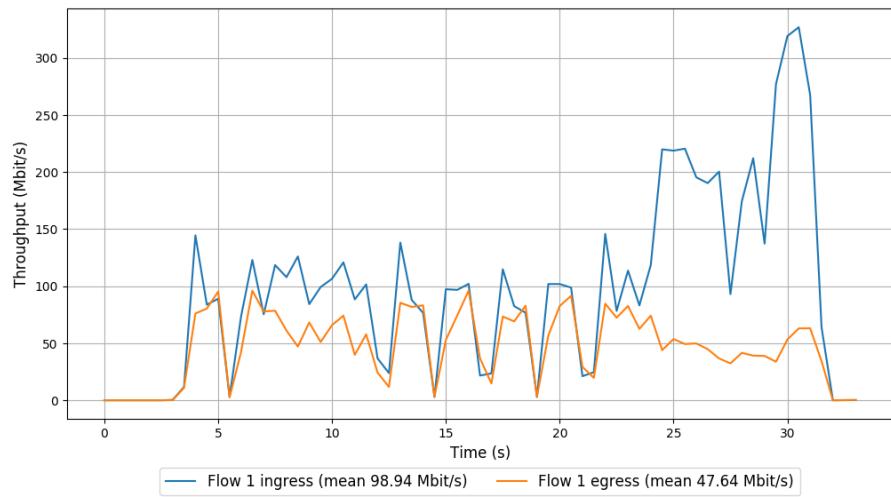


Run 3: Statistics of Verus

```
Start at: Wed, 14 Jun 2017 05:11:49 +0000
End at: Wed, 14 Jun 2017 05:12:19 +0000
Local clock offset: 0.496 ms
Remote clock offset: -1.873 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.64 Mbit/s
95th percentile per-packet one-way delay: 90.461 ms
Loss rate: 51.85%
-- Flow 1:
Average throughput: 47.64 Mbit/s
95th percentile per-packet one-way delay: 90.461 ms
Loss rate: 51.85%
```

Run 3: Report of Verus — Data Link

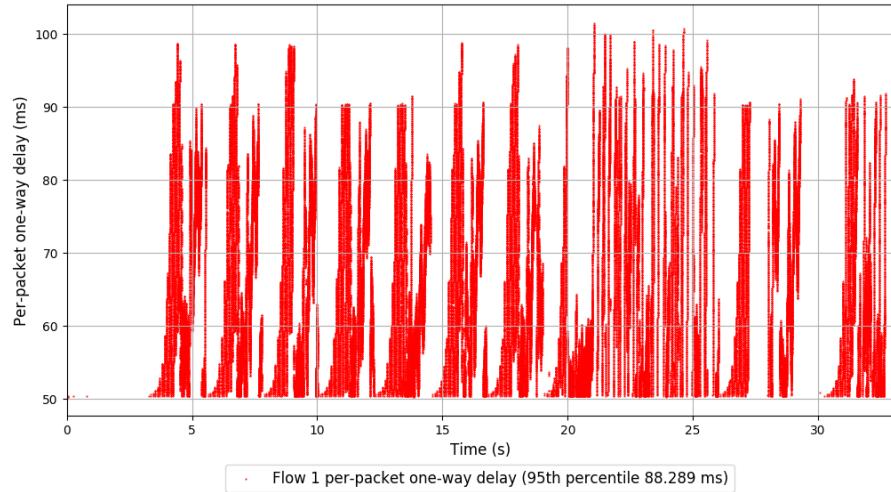
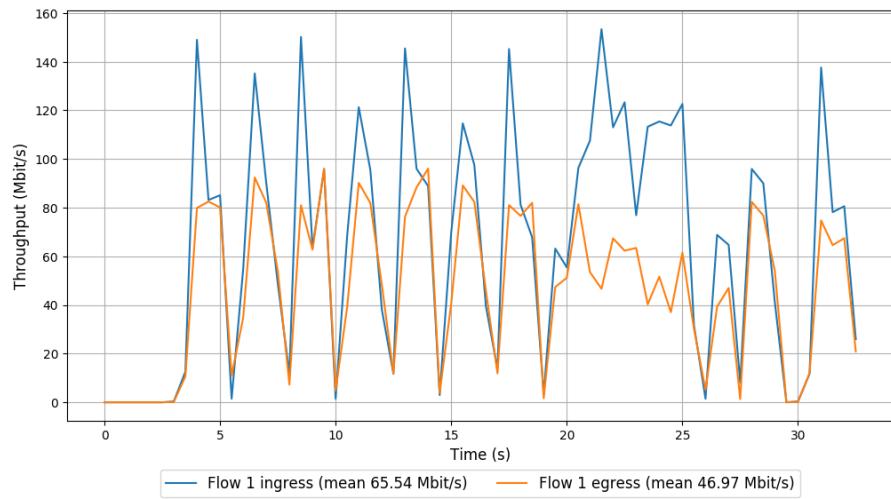


Run 4: Statistics of Verus

```
Start at: Wed, 14 Jun 2017 05:31:33 +0000
End at: Wed, 14 Jun 2017 05:32:03 +0000
Local clock offset: -0.082 ms
Remote clock offset: -1.349 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 88.289 ms
Loss rate: 28.28%
-- Flow 1:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 88.289 ms
Loss rate: 28.28%
```

Run 4: Report of Verus — Data Link

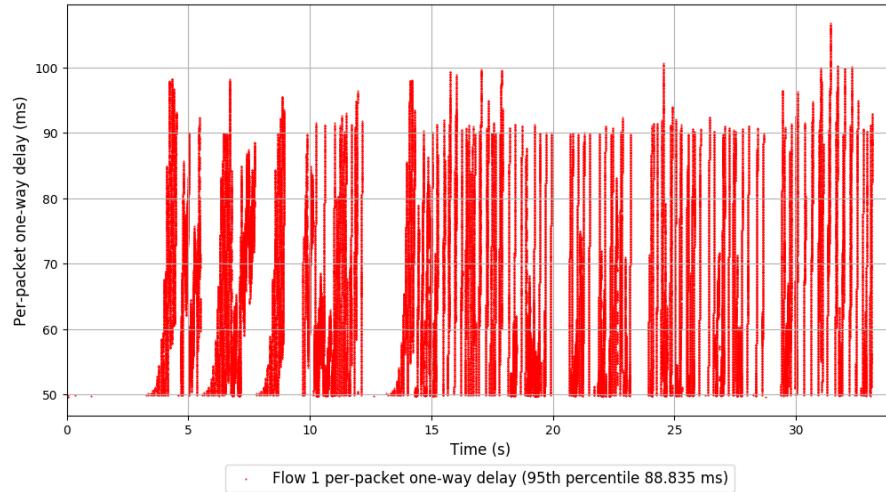
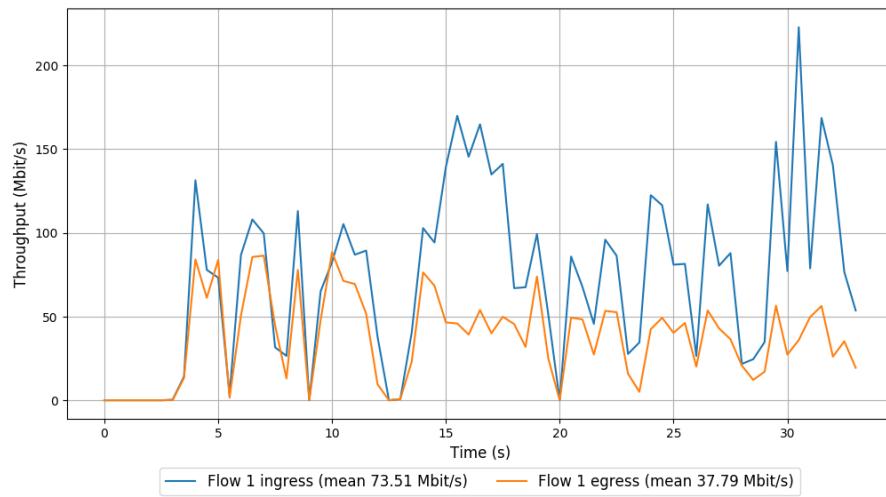


Run 5: Statistics of Verus

```
Start at: Wed, 14 Jun 2017 05:51:09 +0000
End at: Wed, 14 Jun 2017 05:51:39 +0000
Local clock offset: -0.421 ms
Remote clock offset: -3.735 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 88.835 ms
Loss rate: 48.56%
-- Flow 1:
Average throughput: 37.79 Mbit/s
95th percentile per-packet one-way delay: 88.835 ms
Loss rate: 48.56%
```

Run 5: Report of Verus — Data Link

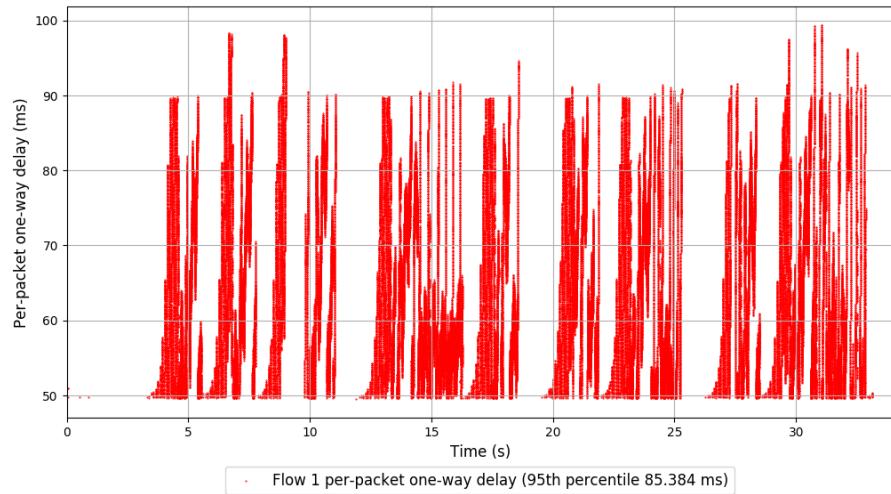
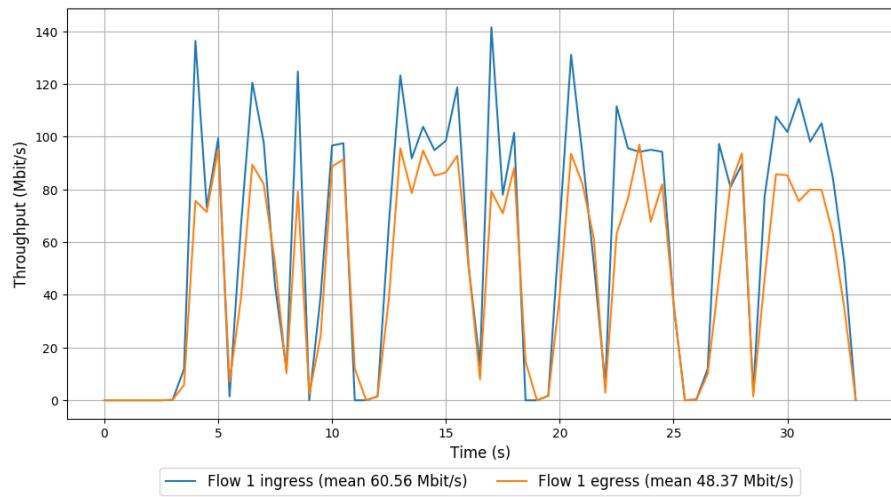


Run 6: Statistics of Verus

```
Start at: Wed, 14 Jun 2017 06:10:51 +0000
End at: Wed, 14 Jun 2017 06:11:21 +0000
Local clock offset: -0.628 ms
Remote clock offset: -2.042 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.37 Mbit/s
95th percentile per-packet one-way delay: 85.384 ms
Loss rate: 20.14%
-- Flow 1:
Average throughput: 48.37 Mbit/s
95th percentile per-packet one-way delay: 85.384 ms
Loss rate: 20.14%
```

Run 6: Report of Verus — Data Link

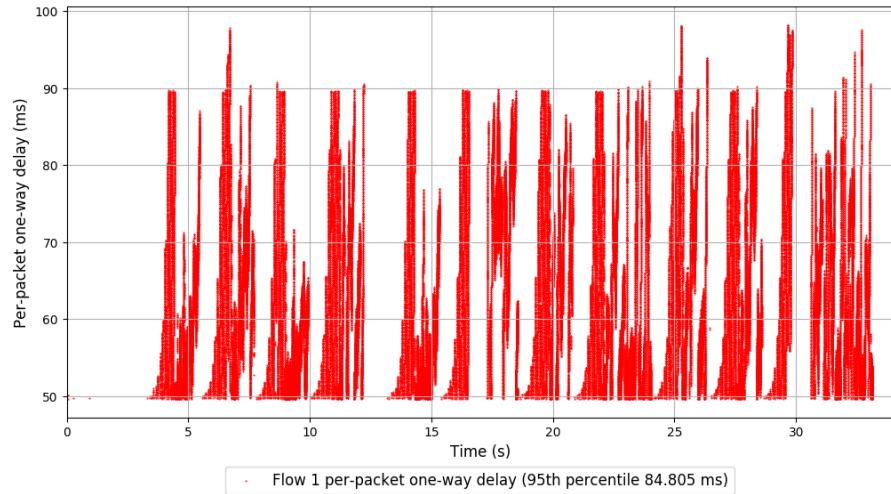
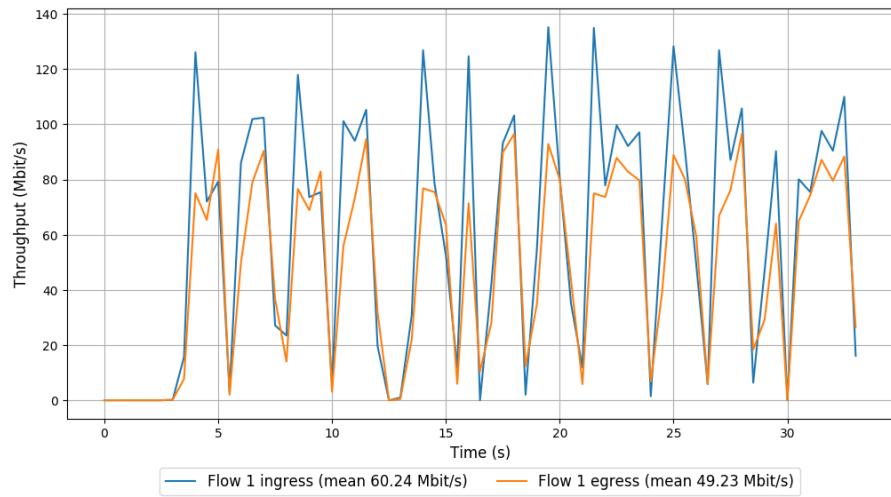


Run 7: Statistics of Verus

```
Start at: Wed, 14 Jun 2017 06:30:28 +0000
End at: Wed, 14 Jun 2017 06:30:58 +0000
Local clock offset: -0.604 ms
Remote clock offset: -4.123 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 84.805 ms
Loss rate: 18.30%
-- Flow 1:
Average throughput: 49.23 Mbit/s
95th percentile per-packet one-way delay: 84.805 ms
Loss rate: 18.30%
```

Run 7: Report of Verus — Data Link

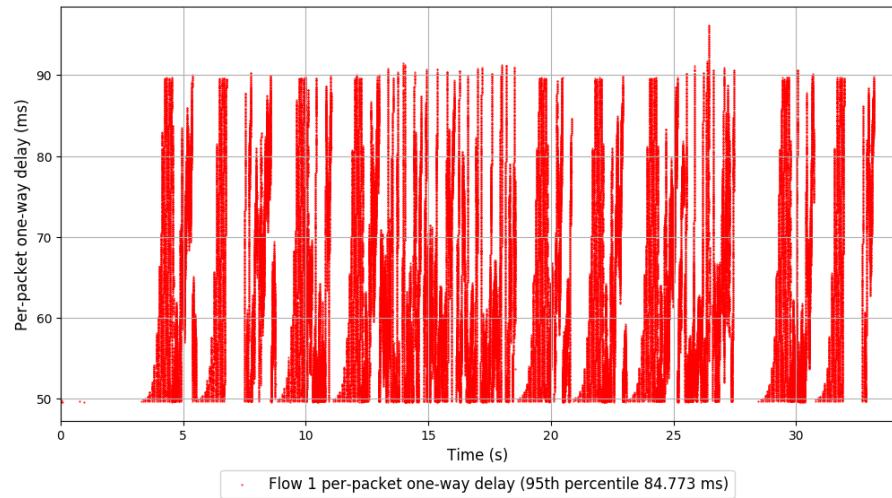
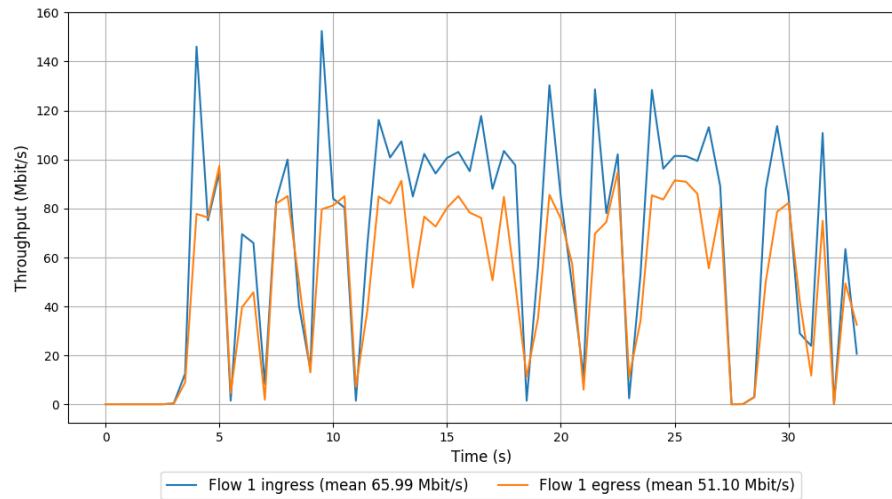


Run 8: Statistics of Verus

```
Start at: Wed, 14 Jun 2017 06:50:13 +0000
End at: Wed, 14 Jun 2017 06:50:43 +0000
Local clock offset: -0.587 ms
Remote clock offset: -9.333 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:51:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.10 Mbit/s
95th percentile per-packet one-way delay: 84.773 ms
Loss rate: 22.52%
-- Flow 1:
Average throughput: 51.10 Mbit/s
95th percentile per-packet one-way delay: 84.773 ms
Loss rate: 22.52%
```

Run 8: Report of Verus — Data Link

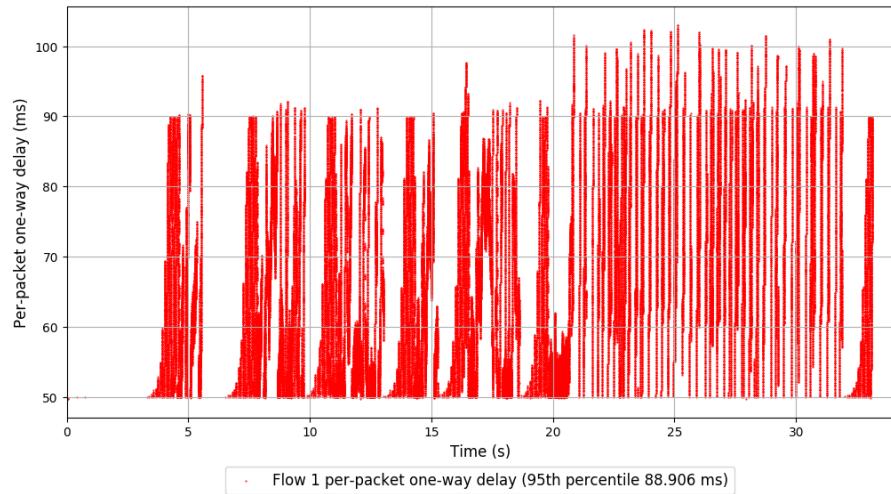
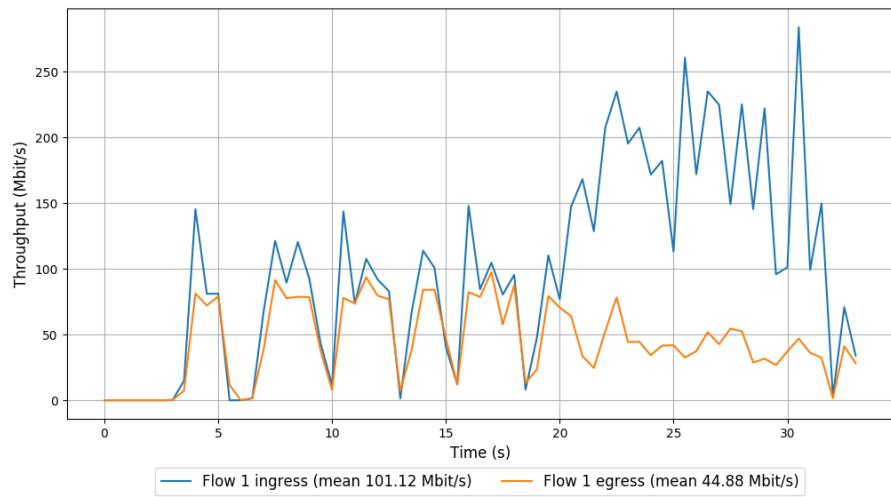


Run 9: Statistics of Verus

```
Start at: Wed, 14 Jun 2017 07:09:55 +0000
End at: Wed, 14 Jun 2017 07:10:25 +0000
Local clock offset: -0.44 ms
Remote clock offset: -11.532 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:52:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.88 Mbit/s
95th percentile per-packet one-way delay: 88.906 ms
Loss rate: 55.61%
-- Flow 1:
Average throughput: 44.88 Mbit/s
95th percentile per-packet one-way delay: 88.906 ms
Loss rate: 55.61%
```

Run 9: Report of Verus — Data Link

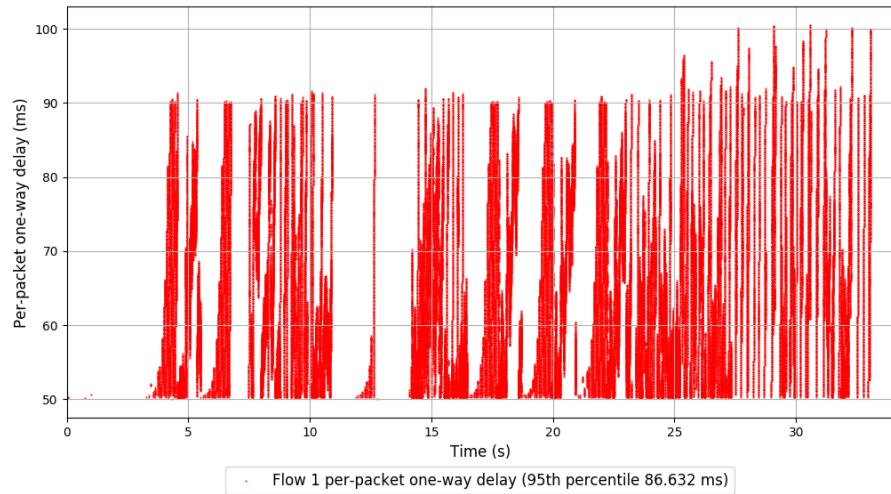
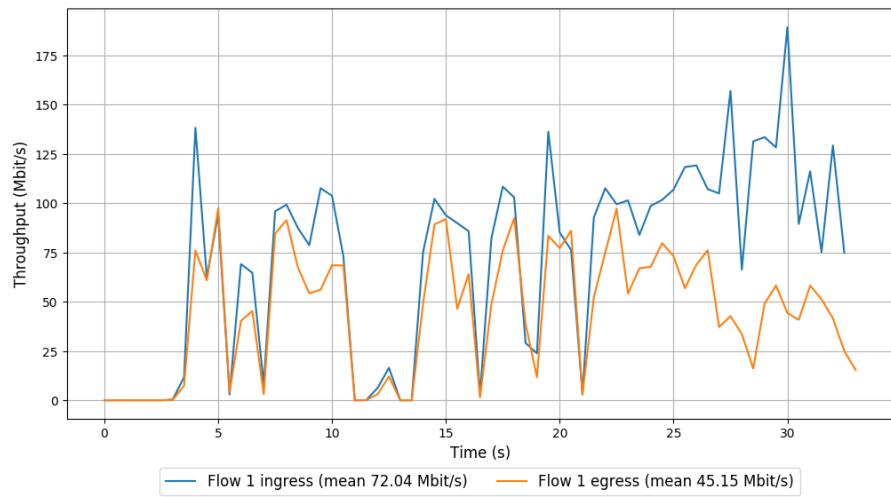


Run 10: Statistics of Verus

```
Start at: Wed, 14 Jun 2017 07:29:38 +0000
End at: Wed, 14 Jun 2017 07:30:08 +0000
Local clock offset: -0.238 ms
Remote clock offset: -8.674 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:52:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.15 Mbit/s
95th percentile per-packet one-way delay: 86.632 ms
Loss rate: 37.23%
-- Flow 1:
Average throughput: 45.15 Mbit/s
95th percentile per-packet one-way delay: 86.632 ms
Loss rate: 37.23%
```

Run 10: Report of Verus — Data Link

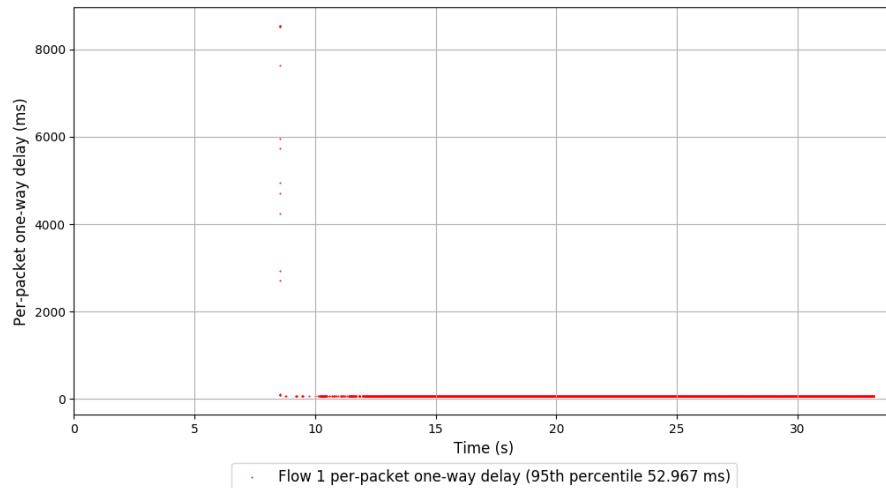
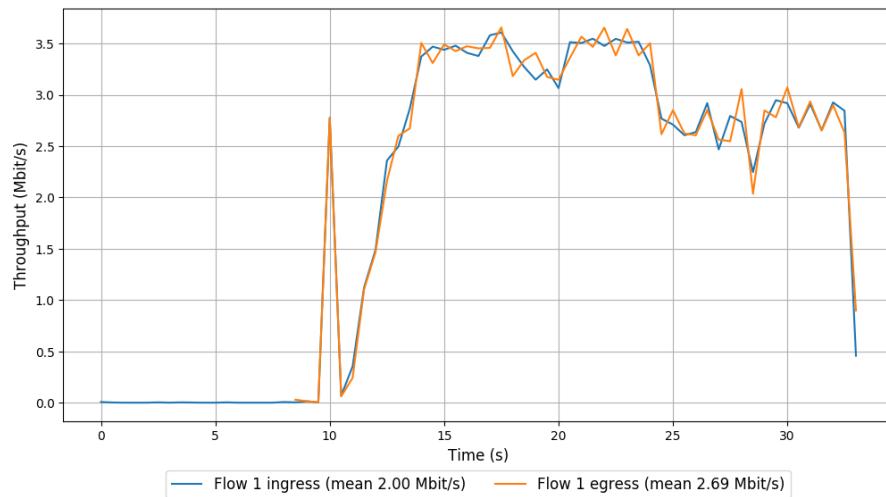


```
Run 1: Statistics of WebRTC media

Start at: Wed, 14 Jun 2017 04:45:38 +0000
End at: Wed, 14 Jun 2017 04:46:08 +0000
Local clock offset: 1.263 ms
Remote clock offset: -1.772 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:52:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 52.967 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 52.967 ms
Loss rate: 0.03%
```

Run 1: Report of WebRTC media — Data Link

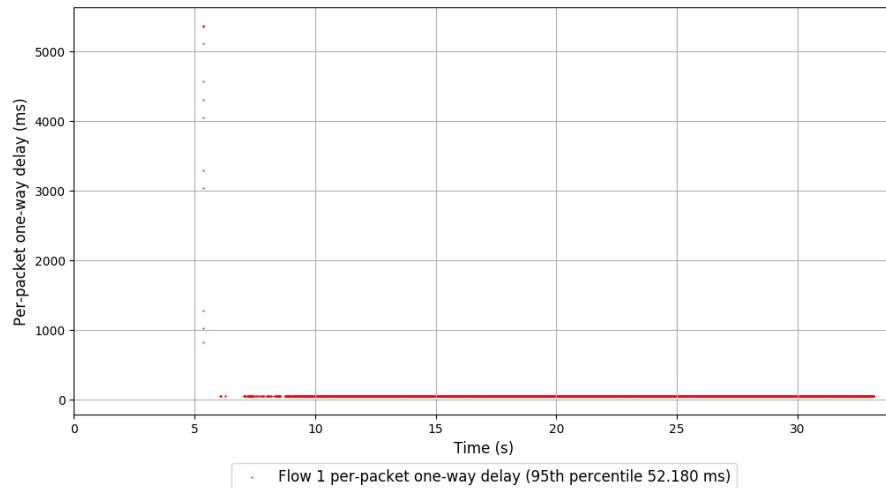
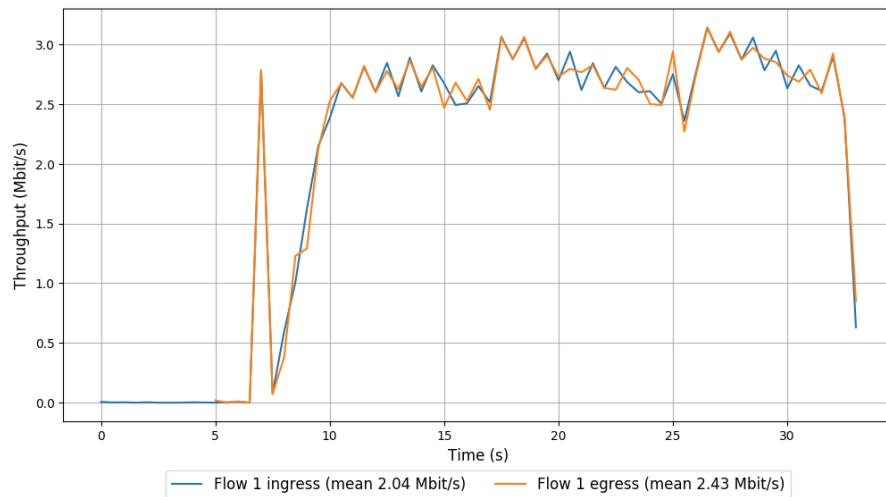


Run 2: Statistics of WebRTC media

```
Start at: Wed, 14 Jun 2017 05:05:19 +0000
End at: Wed, 14 Jun 2017 05:05:49 +0000
Local clock offset: 0.607 ms
Remote clock offset: -1.521 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:52:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 52.180 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 52.180 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

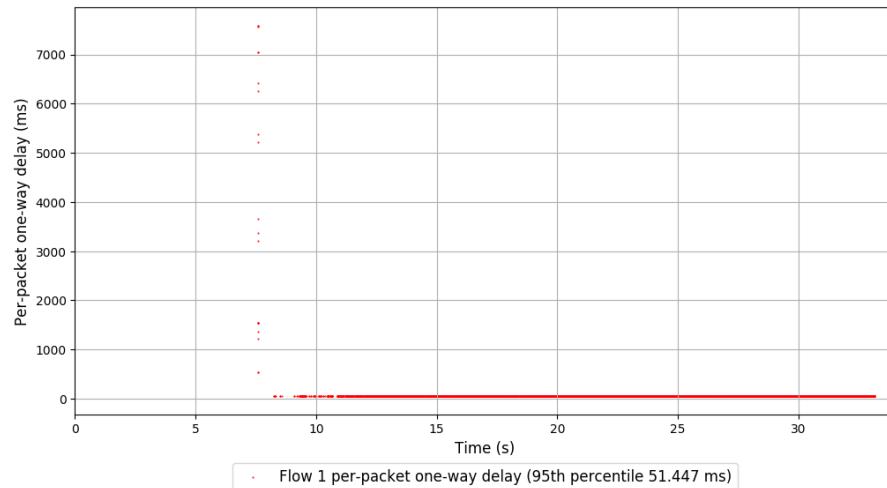
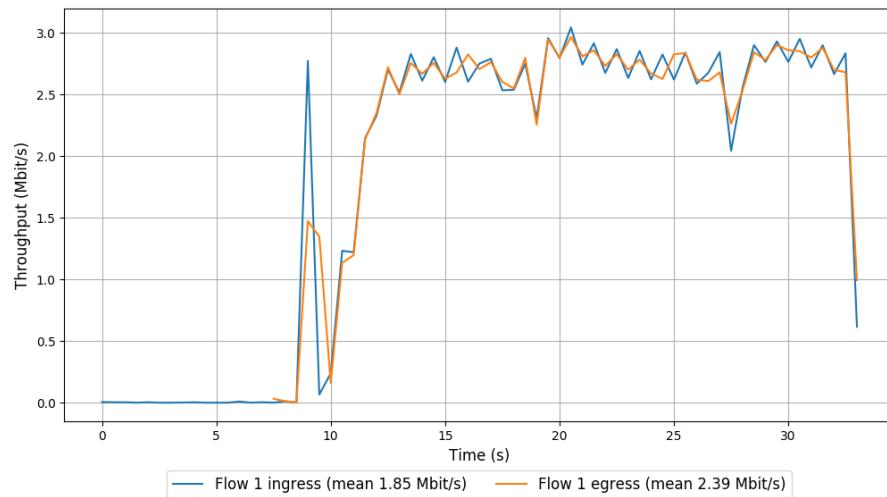


Run 3: Statistics of WebRTC media

```
Start at: Wed, 14 Jun 2017 05:25:07 +0000
End at: Wed, 14 Jun 2017 05:25:37 +0000
Local clock offset: 0.16 ms
Remote clock offset: -1.335 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:52:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 51.447 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 51.447 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

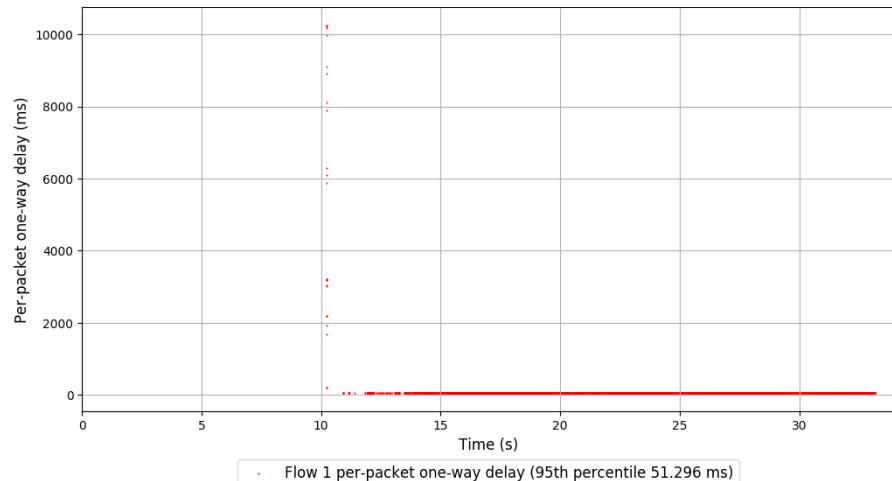
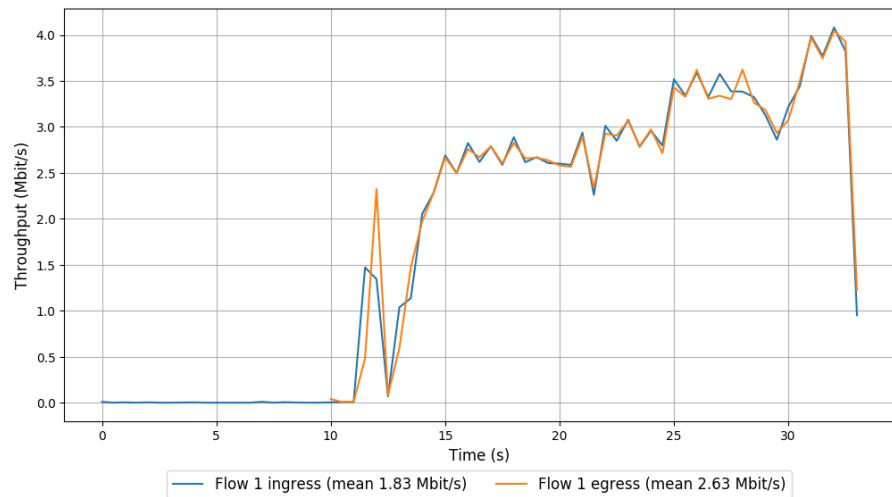
Start at: Wed, 14 Jun 2017 05:44:46 +0000

End at: Wed, 14 Jun 2017 05:45:16 +0000

Local clock offset: -0.299 ms

Remote clock offset: -1.626 ms

Run 4: Report of WebRTC media — Data Link

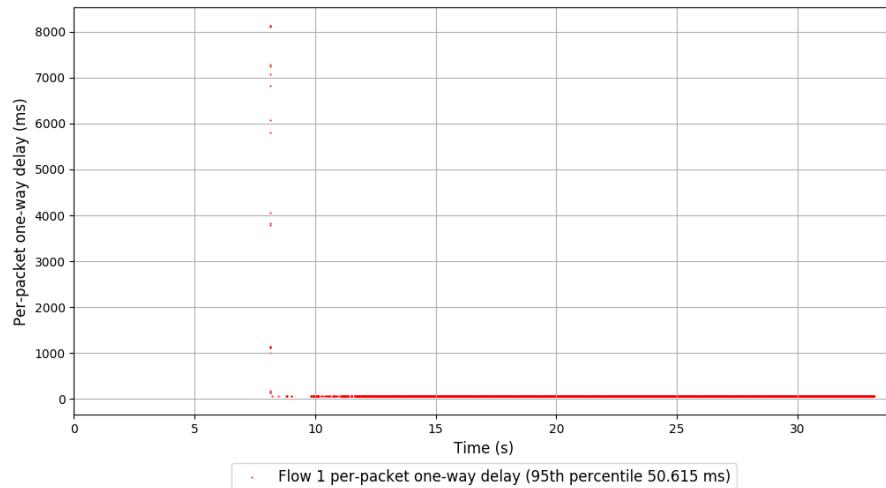
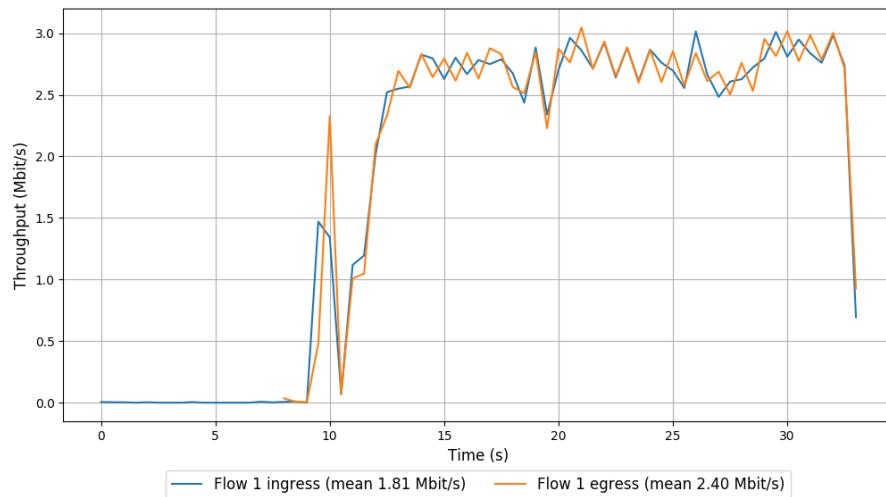


```
Run 5: Statistics of WebRTC media

Start at: Wed, 14 Jun 2017 06:04:22 +0000
End at: Wed, 14 Jun 2017 06:04:52 +0000
Local clock offset: -0.736 ms
Remote clock offset: -4.209 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:52:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 50.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.40 Mbit/s
95th percentile per-packet one-way delay: 50.615 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

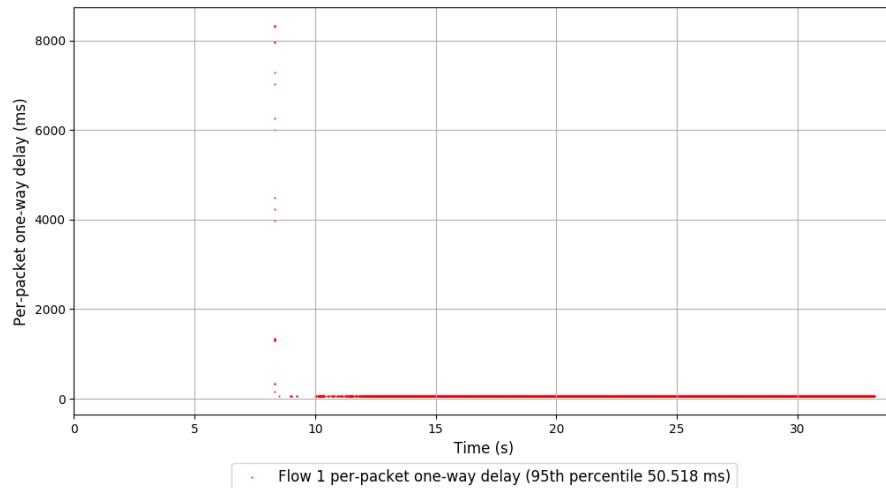
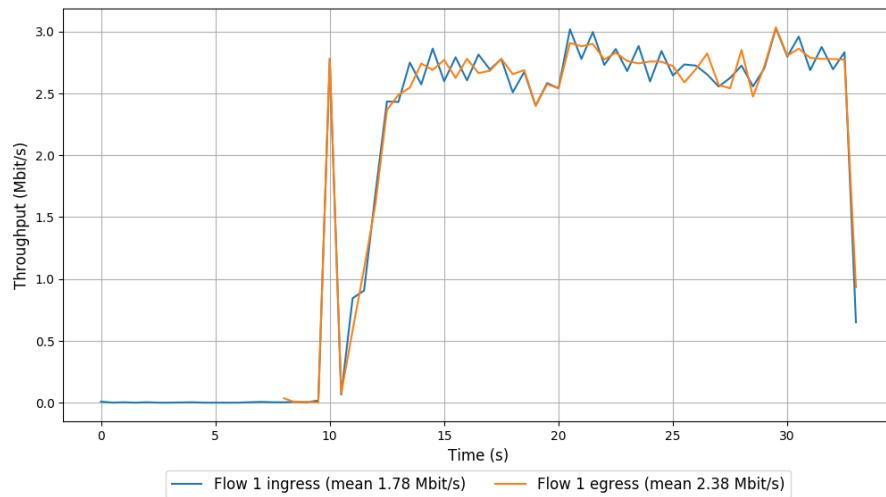


Run 6: Statistics of WebRTC media

```
Start at: Wed, 14 Jun 2017 06:24:03 +0000
End at: Wed, 14 Jun 2017 06:24:33 +0000
Local clock offset: -0.637 ms
Remote clock offset: -3.801 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:52:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 50.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 50.518 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

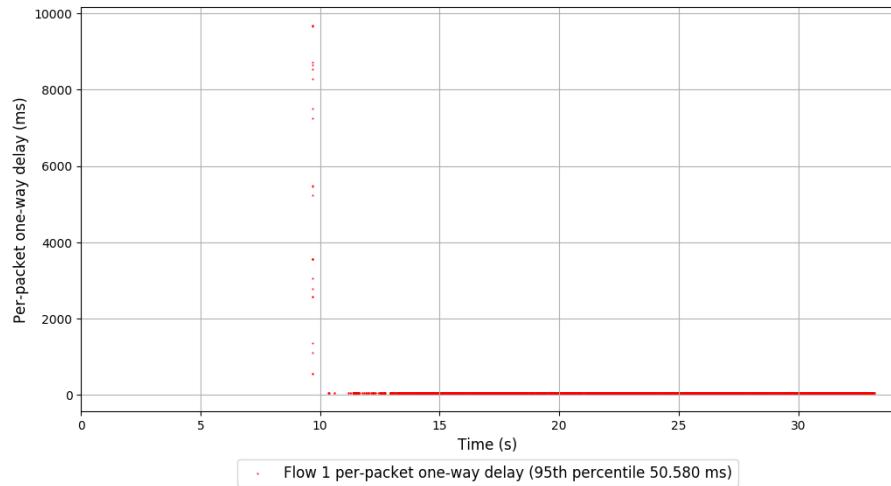
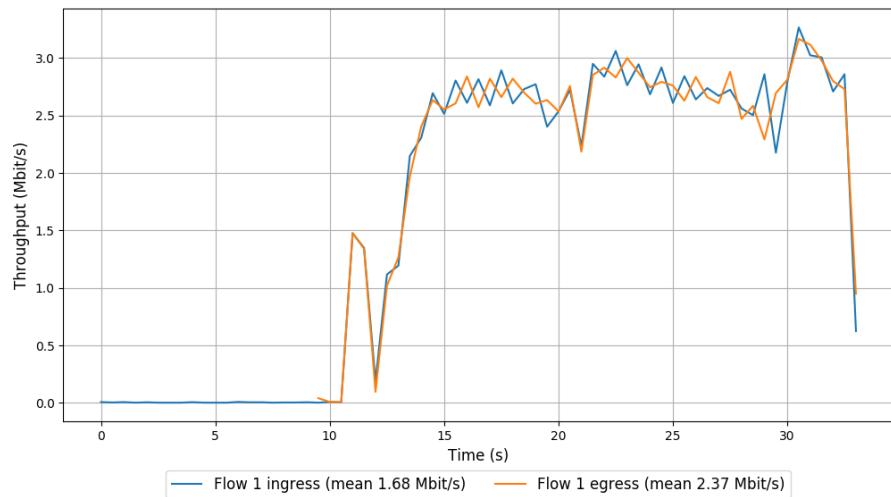
Start at: Wed, 14 Jun 2017 06:43:45 +0000

End at: Wed, 14 Jun 2017 06:44:15 +0000

Local clock offset: -0.576 ms

Remote clock offset: -9.488 ms

Run 7: Report of WebRTC media — Data Link

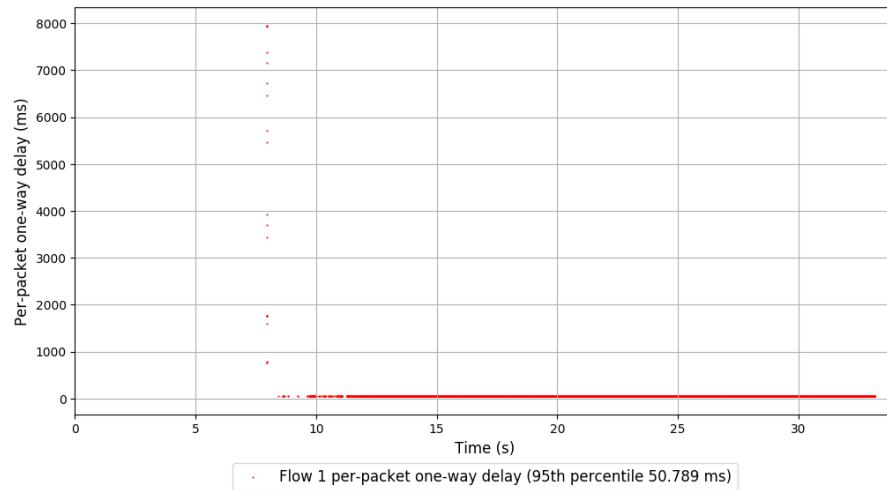
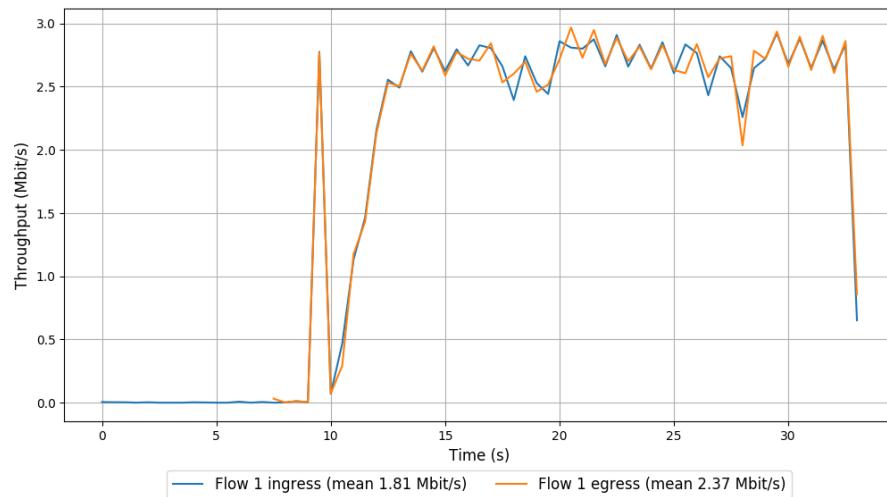


Run 8: Statistics of WebRTC media

```
Start at: Wed, 14 Jun 2017 07:03:29 +0000
End at: Wed, 14 Jun 2017 07:03:59 +0000
Local clock offset: -0.522 ms
Remote clock offset: -11.274 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:52:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 50.789 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 50.789 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

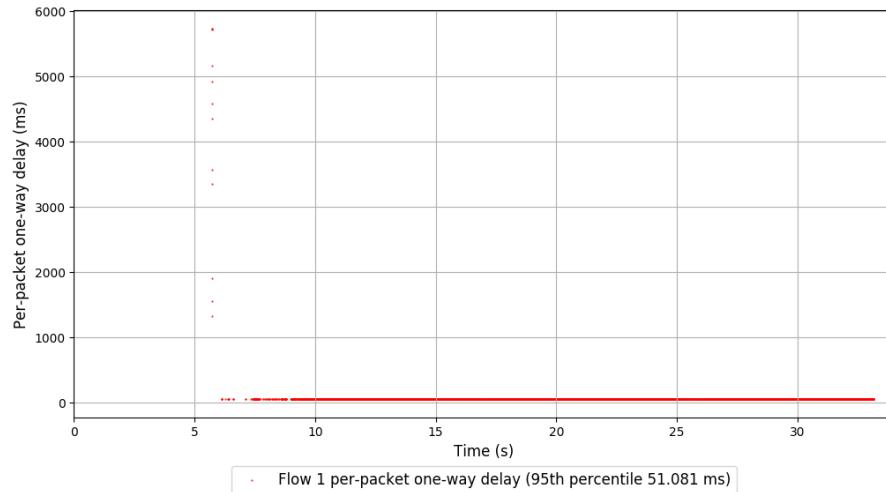
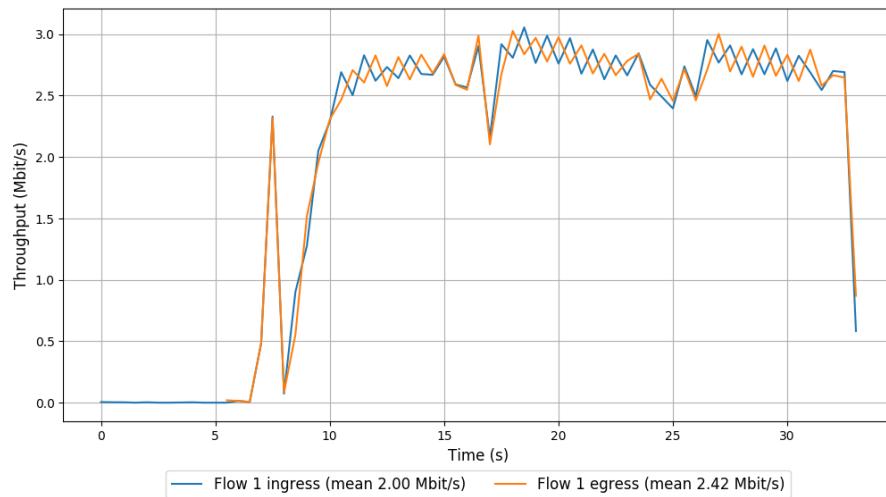


Run 9: Statistics of WebRTC media

```
Start at: Wed, 14 Jun 2017 07:23:11 +0000
End at: Wed, 14 Jun 2017 07:23:41 +0000
Local clock offset: -0.152 ms
Remote clock offset: -9.482 ms

# Below is generated by plot.py at Wed, 14 Jun 2017 11:52:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 51.081 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.42 Mbit/s
95th percentile per-packet one-way delay: 51.081 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Wed, 14 Jun 2017 07:42:55 +0000

End at: Wed, 14 Jun 2017 07:43:25 +0000

Local clock offset: -0.044 ms

Remote clock offset: -8.689 ms

Run 10: Report of WebRTC media — Data Link

