

Pantheon Summary (Generated at Tue, 04 Jul 2017 08:46:24 +0000 with
pantheon version 55ce618ef3153403f57ca06ffe894ed6887bd36f)

Repeated the test of 15 congestion control schemes 10 times.

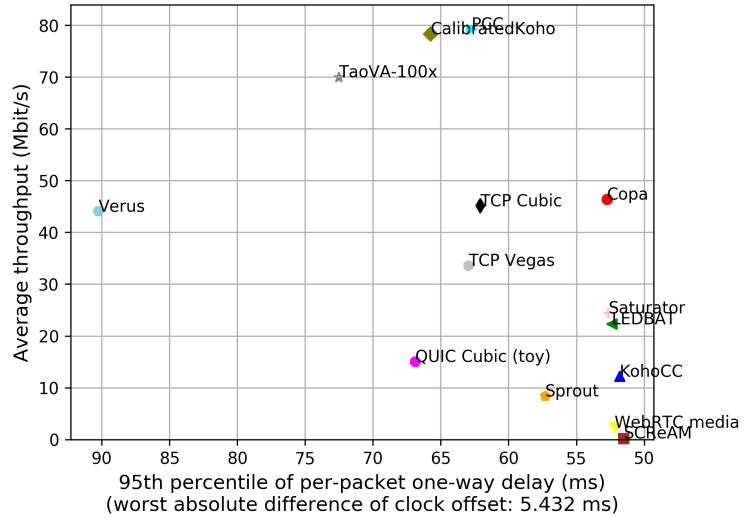
Each test lasted for 30 seconds running 1 flow.

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

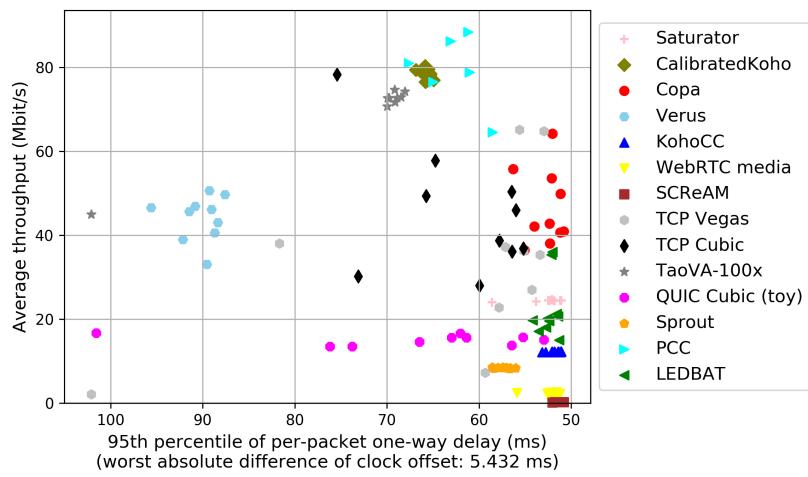
NTP offset measured against time.stanford.edu.

```
git branch: master @ 55ce618ef3153403f57ca06ffe894ed6887bd36f
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 @ c792f8e8e0704b1646a0e024766675d8e9a835f1
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
```

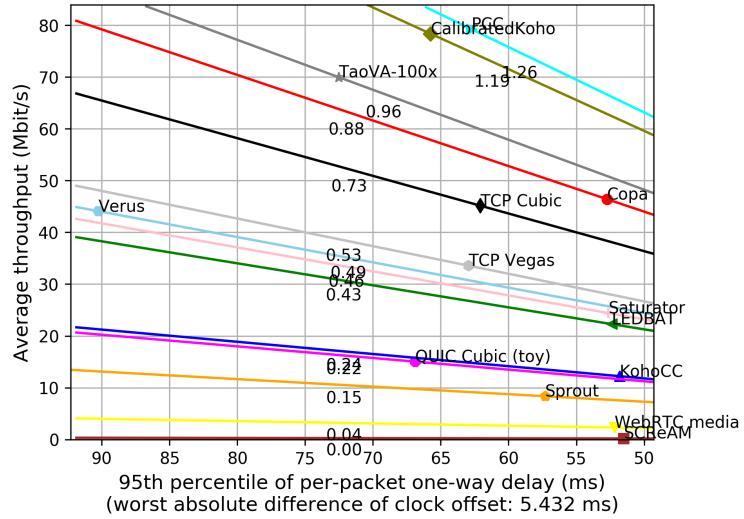
test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
mean of all runs by scheme



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



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



Run 1: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 01:42:23 +0000
End at: Tue, 04 Jul 2017 01:42:53 +0000
Local clock offset: 0.552 ms
Remote clock offset: -2.839 ms

Run 1: Report of TCP BBR — Data Link

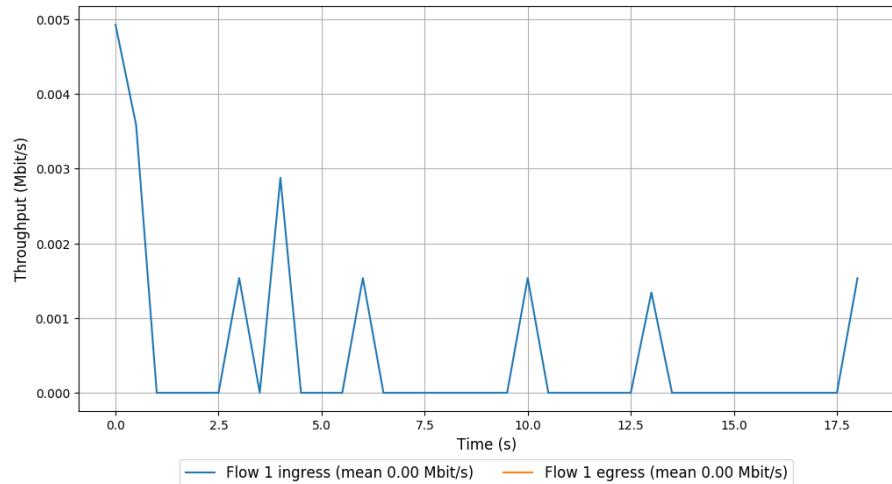


Figure is missing

Run 2: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 02:02:00 +0000
End at: Tue, 04 Jul 2017 02:02:30 +0000
Local clock offset: 0.385 ms
Remote clock offset: -4.618 ms

Run 2: Report of TCP BBR — Data Link

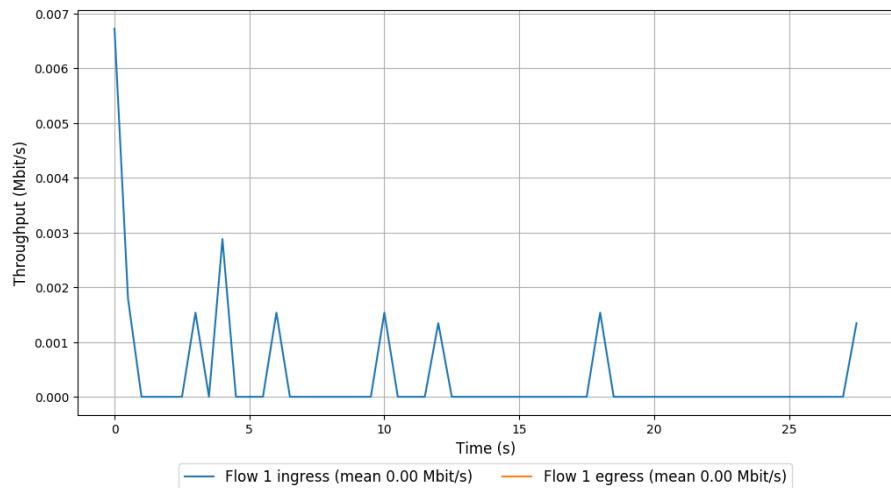


Figure is missing

Run 3: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 02:21:33 +0000
End at: Tue, 04 Jul 2017 02:22:03 +0000
Local clock offset: 0.056 ms
Remote clock offset: -1.516 ms

Run 3: Report of TCP BBR — Data Link

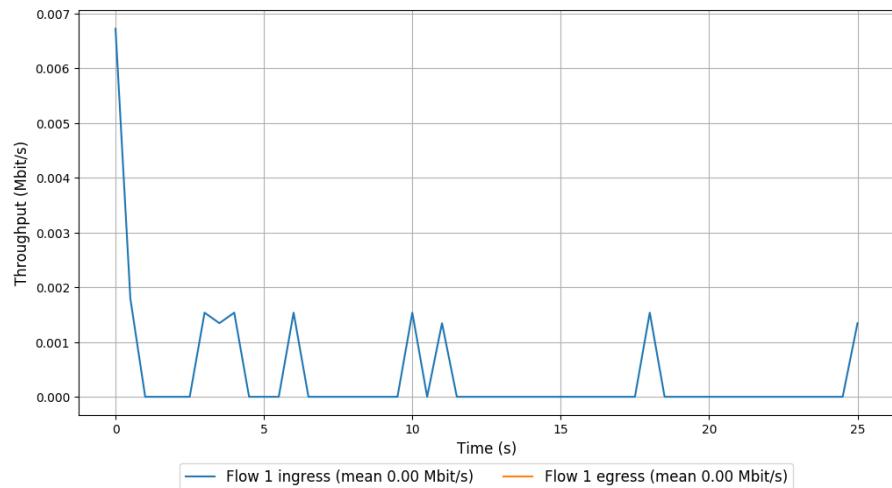


Figure is missing

Run 4: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 02:41:09 +0000
End at: Tue, 04 Jul 2017 02:41:39 +0000
Local clock offset: -0.215 ms
Remote clock offset: -4.193 ms

Run 4: Report of TCP BBR — Data Link

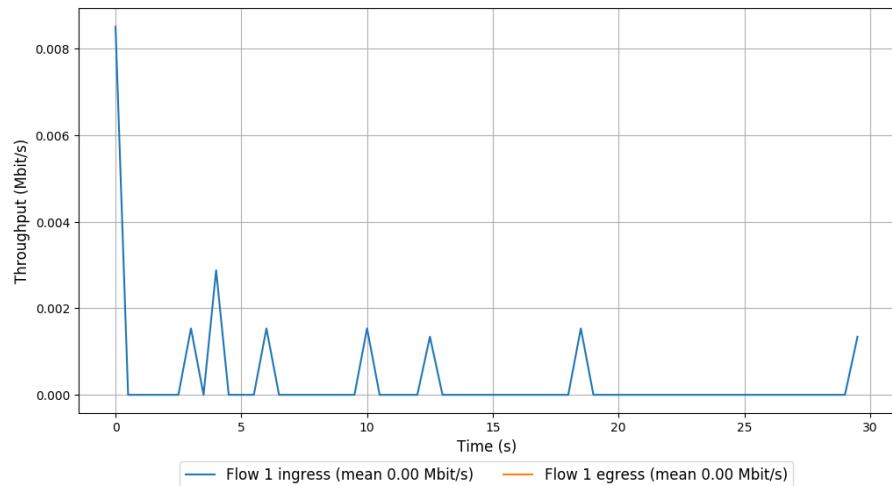


Figure is missing

Run 5: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 03:00:46 +0000
End at: Tue, 04 Jul 2017 03:01:16 +0000
Local clock offset: -0.278 ms
Remote clock offset: -1.415 ms

Run 5: Report of TCP BBR — Data Link

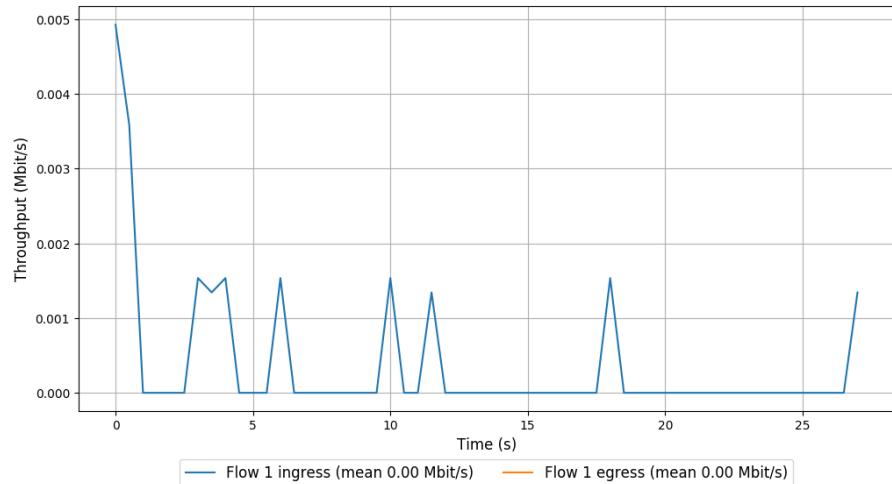


Figure is missing

Run 6: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 03:20:23 +0000
End at: Tue, 04 Jul 2017 03:20:53 +0000
Local clock offset: -0.434 ms
Remote clock offset: -4.171 ms

Run 6: Report of TCP BBR — Data Link

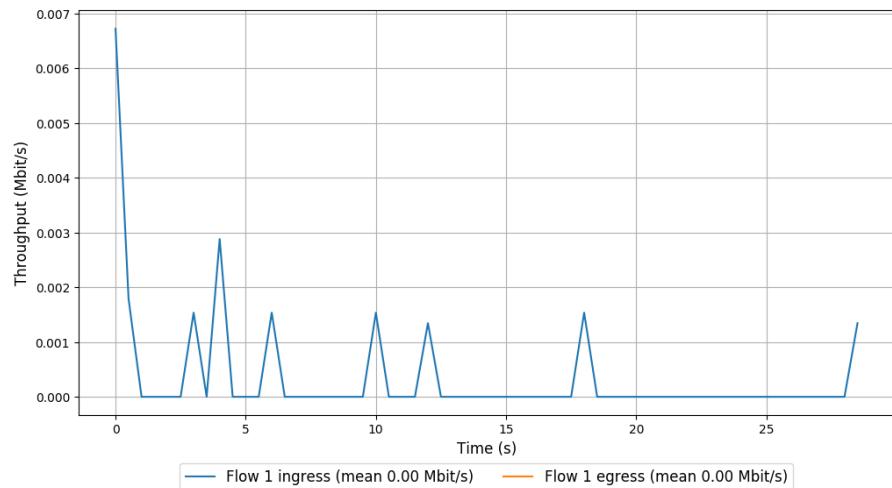


Figure is missing

Run 7: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 03:39:54 +0000
End at: Tue, 04 Jul 2017 03:40:24 +0000
Local clock offset: -0.473 ms
Remote clock offset: -4.521 ms

Run 7: Report of TCP BBR — Data Link

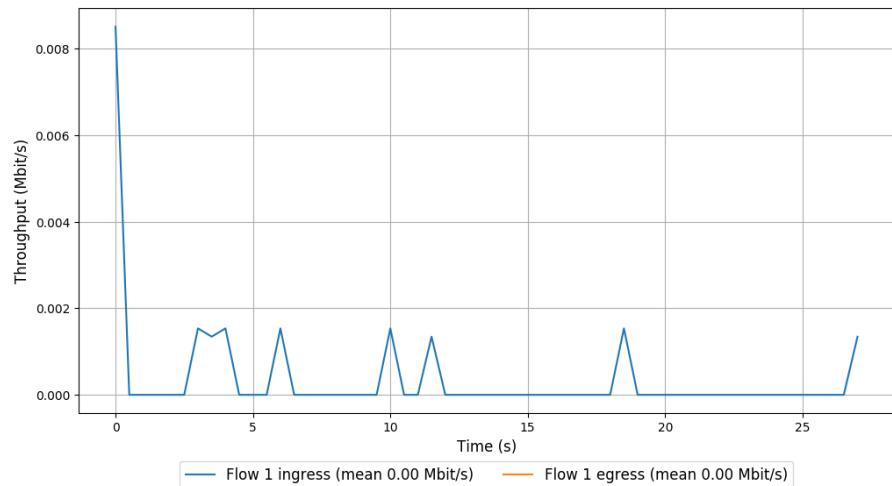


Figure is missing

Run 8: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 03:59:24 +0000
End at: Tue, 04 Jul 2017 03:59:54 +0000
Local clock offset: -0.185 ms
Remote clock offset: -2.868 ms

Run 8: Report of TCP BBR — Data Link

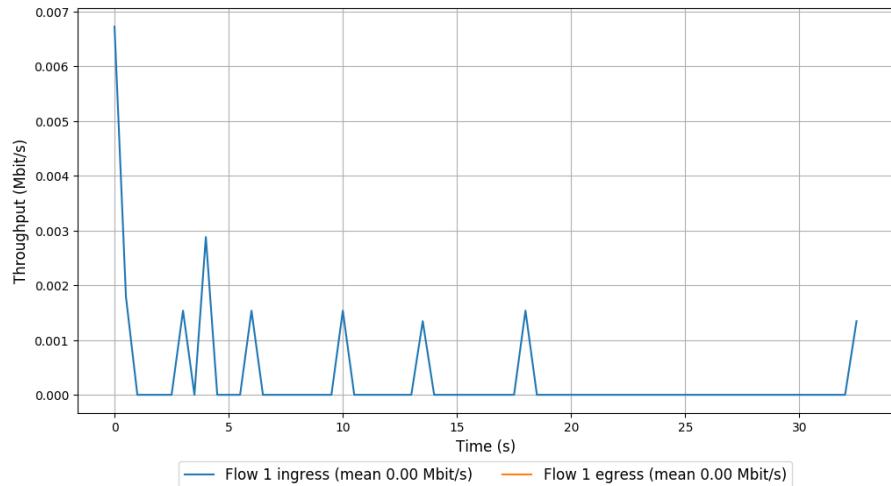
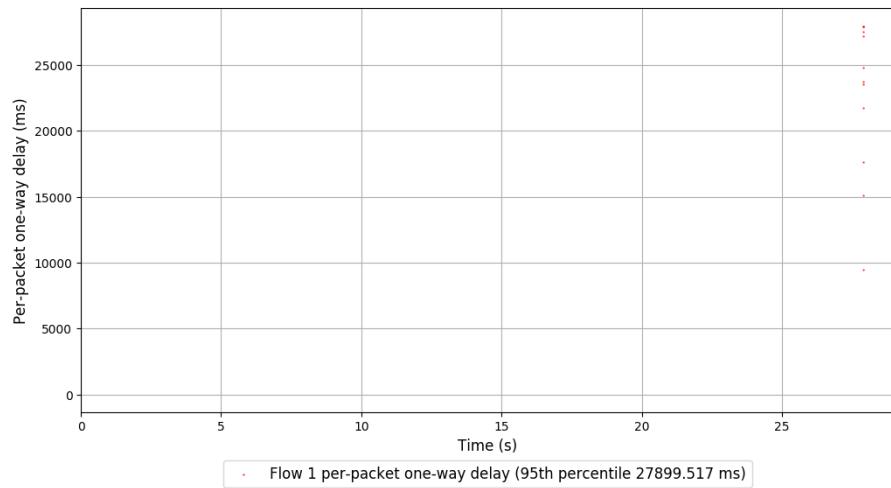
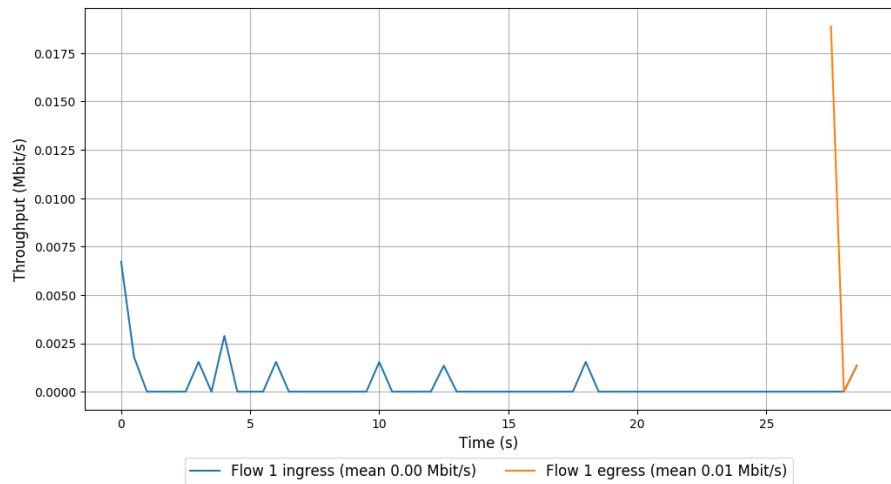


Figure is missing

Run 9: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 04:19:08 +0000
End at: Tue, 04 Jul 2017 04:19:39 +0000
Local clock offset: 0.091 ms
Remote clock offset: -2.973 ms

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Tue, 04 Jul 2017 04:38:50 +0000
End at: Tue, 04 Jul 2017 04:39:20 +0000
Local clock offset: 0.295 ms
Remote clock offset: -2.996 ms

Run 10: Report of TCP BBR — Data Link

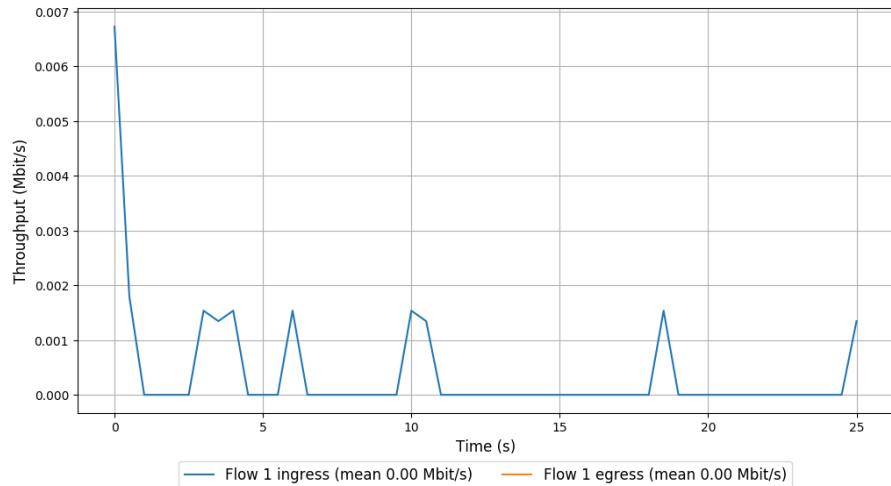


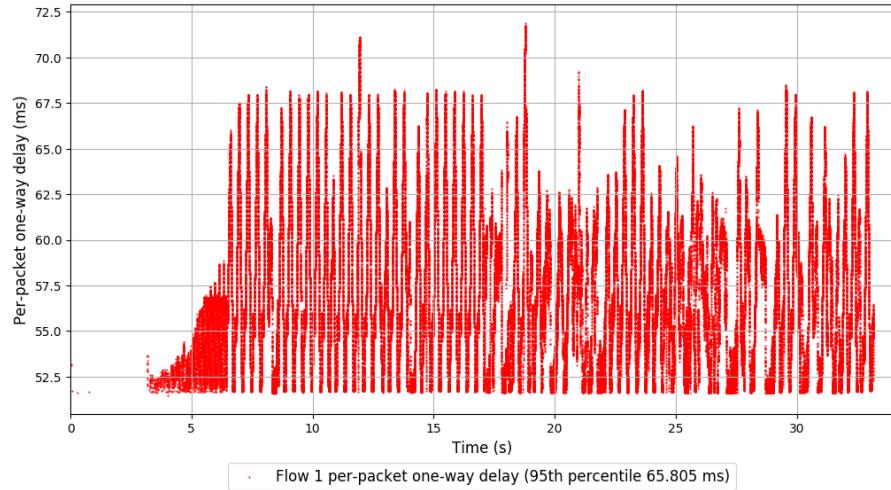
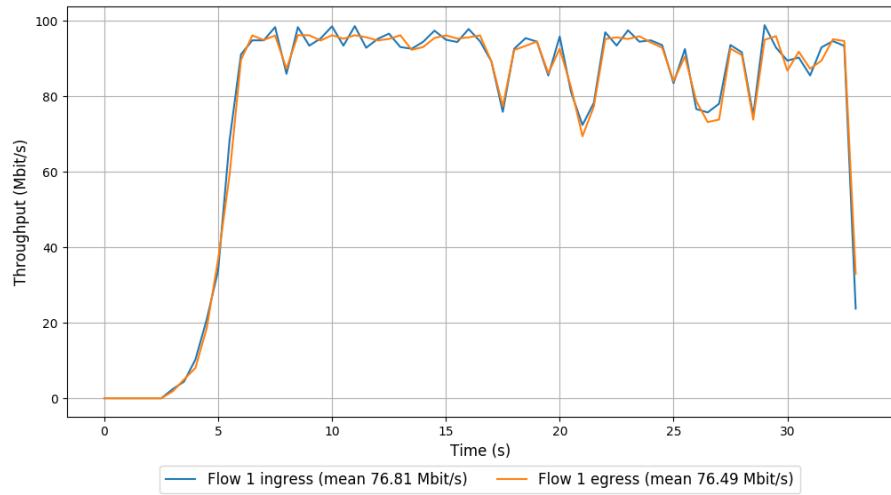
Figure is missing

```
Run 1: Statistics of CalibratedKoho

Start at: Tue, 04 Jul 2017 01:39:44 +0000
End at: Tue, 04 Jul 2017 01:40:14 +0000
Local clock offset: 0.568 ms
Remote clock offset: -4.643 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:39:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.49 Mbit/s
95th percentile per-packet one-way delay: 65.805 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 76.49 Mbit/s
95th percentile per-packet one-way delay: 65.805 ms
Loss rate: 0.43%
```

Run 1: Report of CalibratedKoho — Data Link

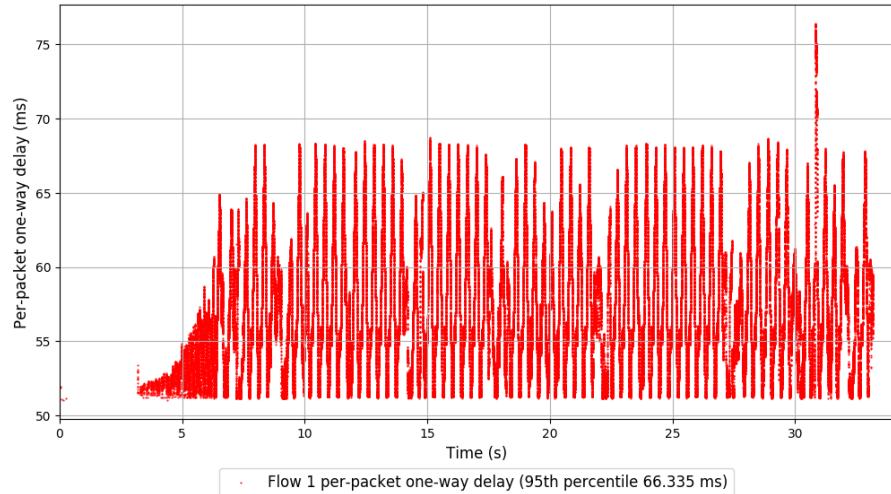
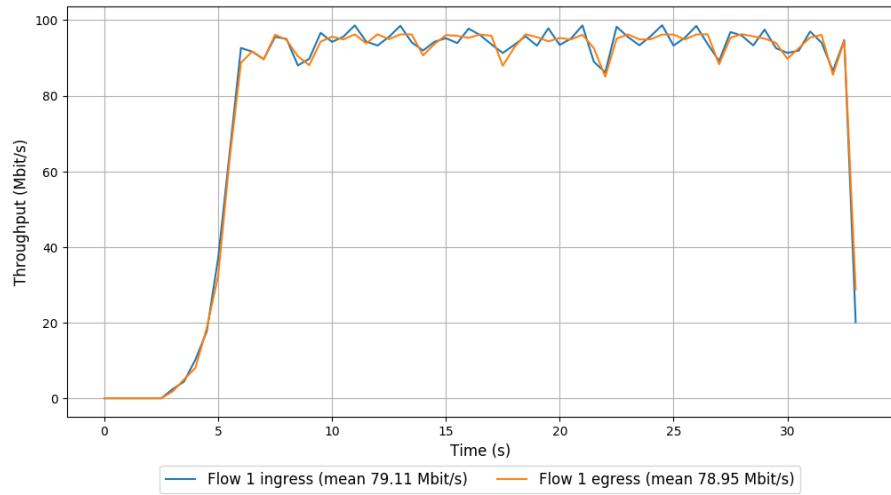


```
Run 2: Statistics of CalibratedKoho
```

```
Start at: Tue, 04 Jul 2017 01:59:21 +0000
End at: Tue, 04 Jul 2017 01:59:51 +0000
Local clock offset: 0.351 ms
Remote clock offset: -2.283 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:39:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.95 Mbit/s
95th percentile per-packet one-way delay: 66.335 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 78.95 Mbit/s
95th percentile per-packet one-way delay: 66.335 ms
Loss rate: 0.20%
```

Run 2: Report of CalibratedKoho — Data Link

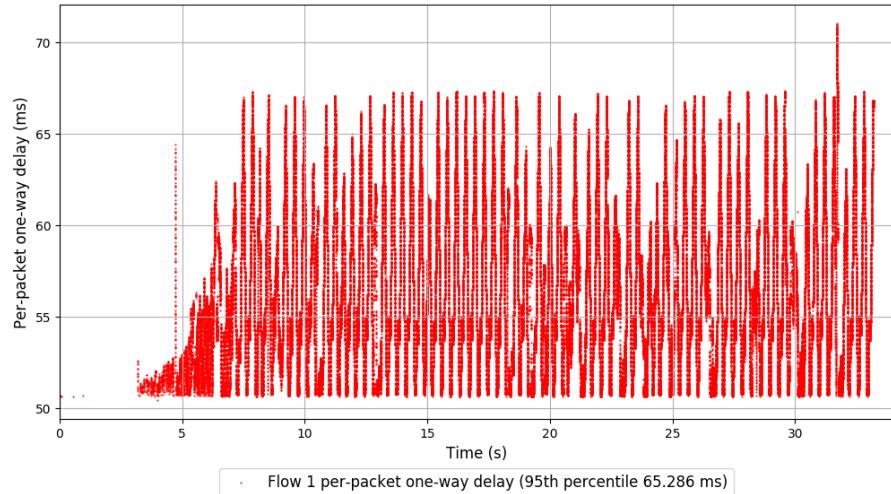
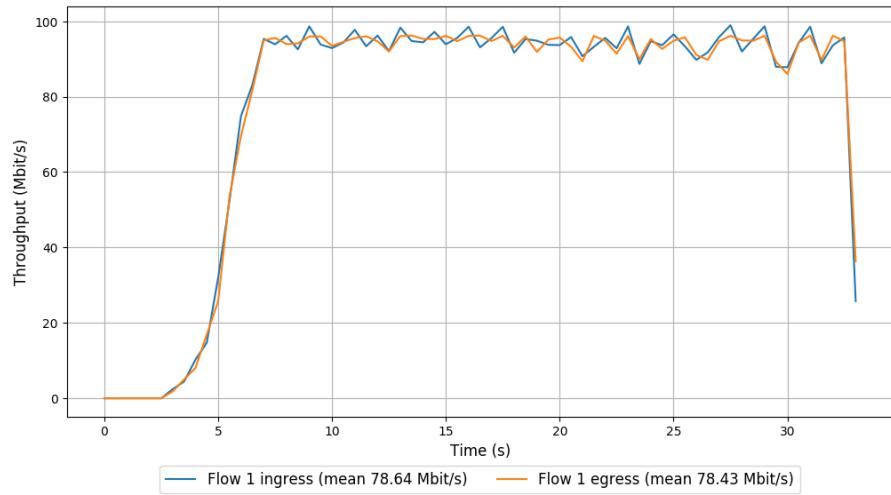


```
Run 3: Statistics of CalibratedKoho
```

```
Start at: Tue, 04 Jul 2017 02:18:55 +0000
End at: Tue, 04 Jul 2017 02:19:25 +0000
Local clock offset: 0.181 ms
Remote clock offset: -1.994 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:39:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.43 Mbit/s
95th percentile per-packet one-way delay: 65.286 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 78.43 Mbit/s
95th percentile per-packet one-way delay: 65.286 ms
Loss rate: 0.21%
```

Run 3: Report of CalibratedKoho — Data Link

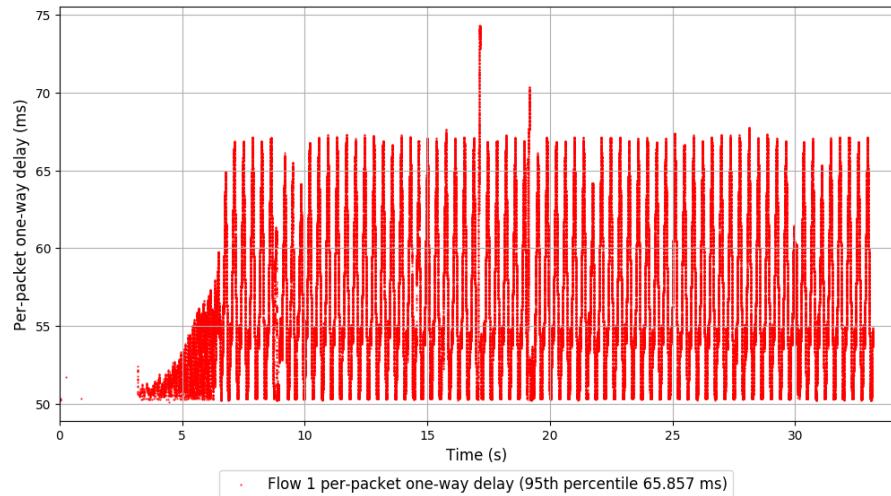
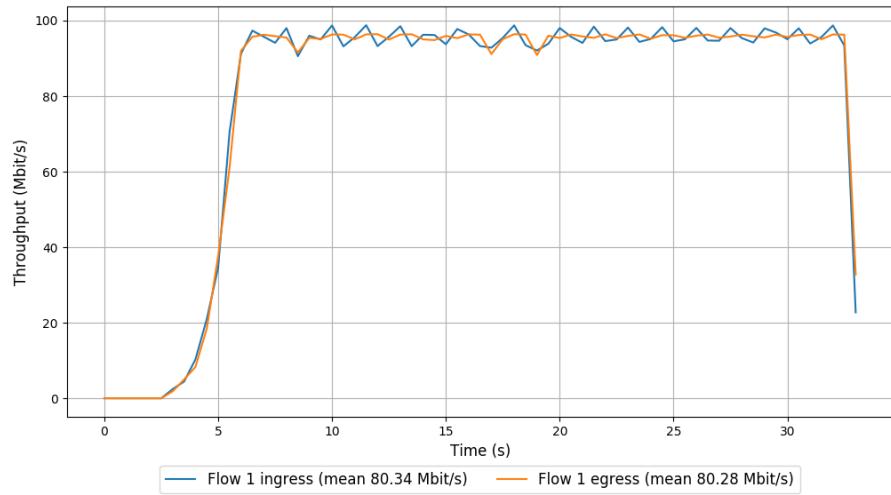


```
Run 4: Statistics of CalibratedKoho
```

```
Start at: Tue, 04 Jul 2017 02:38:29 +0000
End at: Tue, 04 Jul 2017 02:38:59 +0000
Local clock offset: -0.125 ms
Remote clock offset: -2.254 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:39:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.28 Mbit/s
95th percentile per-packet one-way delay: 65.857 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 80.28 Mbit/s
95th percentile per-packet one-way delay: 65.857 ms
Loss rate: 0.06%
```

Run 4: Report of CalibratedKoho — Data Link

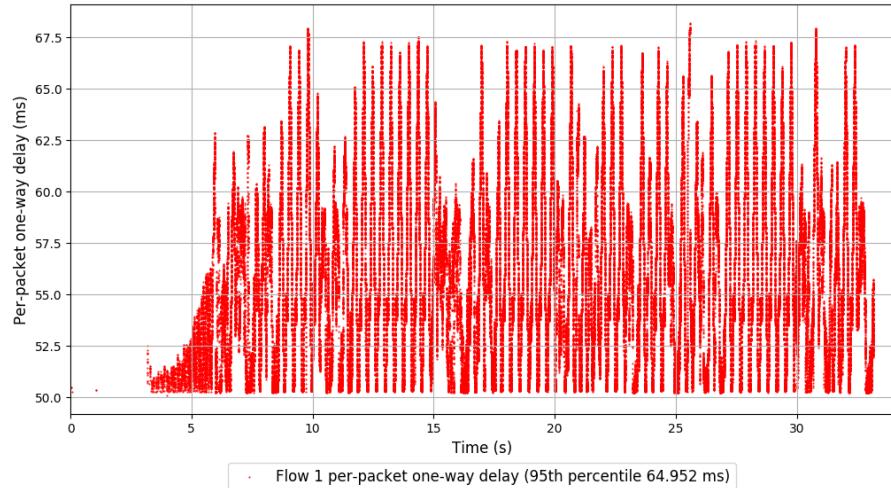
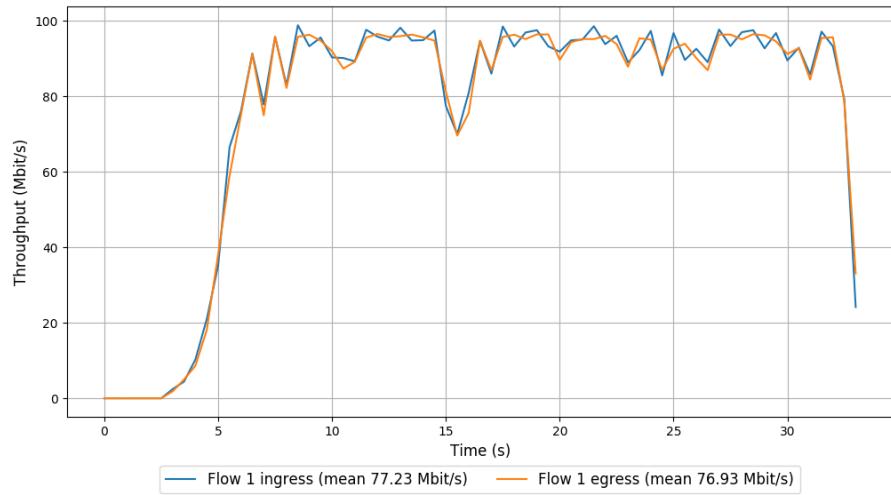


```
Run 5: Statistics of CalibratedKoho
```

```
Start at: Tue, 04 Jul 2017 02:58:07 +0000
End at: Tue, 04 Jul 2017 02:58:37 +0000
Local clock offset: -0.364 ms
Remote clock offset: -1.361 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:39:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 64.952 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 64.952 ms
Loss rate: 0.38%
```

Run 5: Report of CalibratedKoho — Data Link

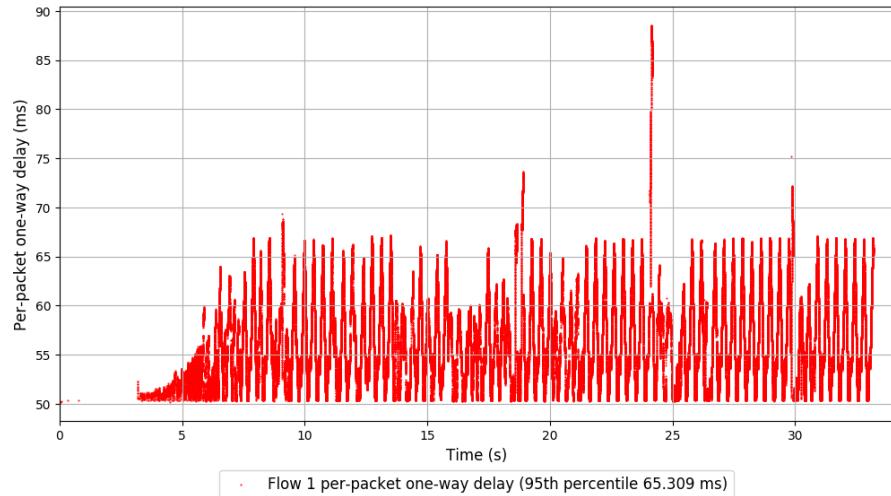
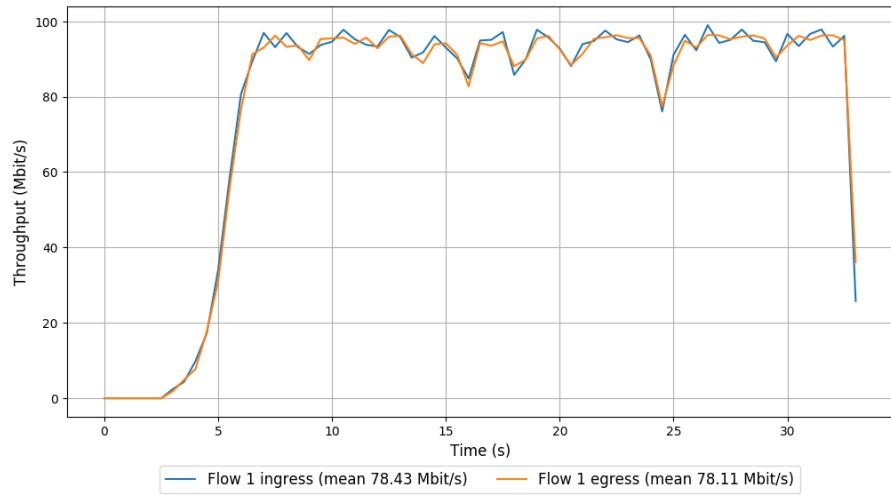


Run 6: Statistics of CalibratedKoho

```
Start at: Tue, 04 Jul 2017 03:17:44 +0000
End at: Tue, 04 Jul 2017 03:18:14 +0000
Local clock offset: -0.325 ms
Remote clock offset: -2.528 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:39:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 65.309 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 78.11 Mbit/s
95th percentile per-packet one-way delay: 65.309 ms
Loss rate: 0.36%
```

Run 6: Report of CalibratedKoho — Data Link

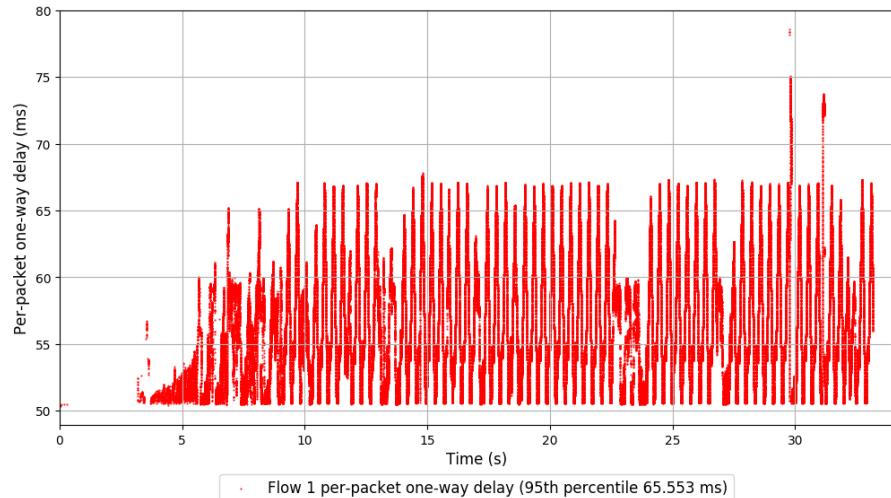
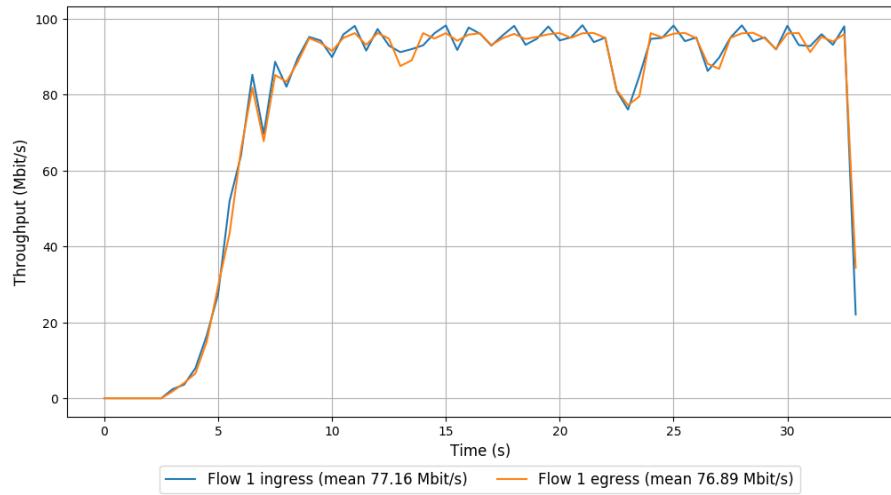


Run 7: Statistics of CalibratedKoho

```
Start at: Tue, 04 Jul 2017 03:37:16 +0000
End at: Tue, 04 Jul 2017 03:37:46 +0000
Local clock offset: -0.388 ms
Remote clock offset: -1.93 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:39:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 65.553 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 76.89 Mbit/s
95th percentile per-packet one-way delay: 65.553 ms
Loss rate: 0.33%
```

Run 7: Report of CalibratedKoho — Data Link

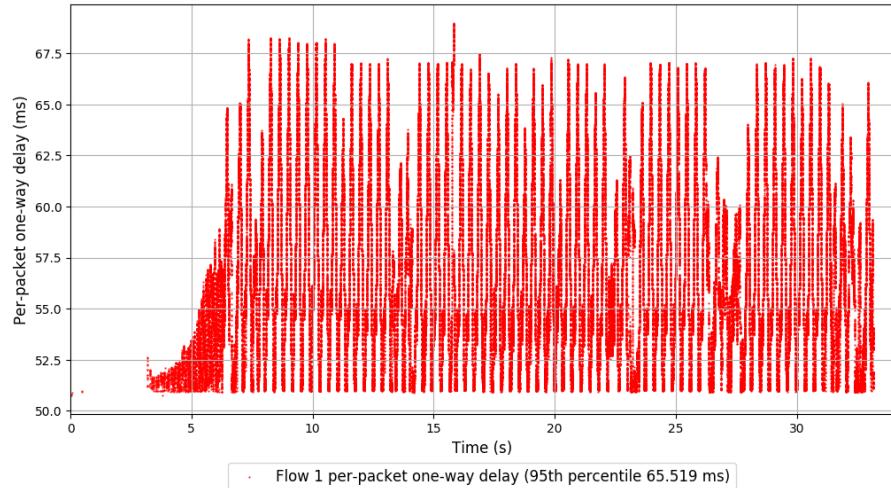
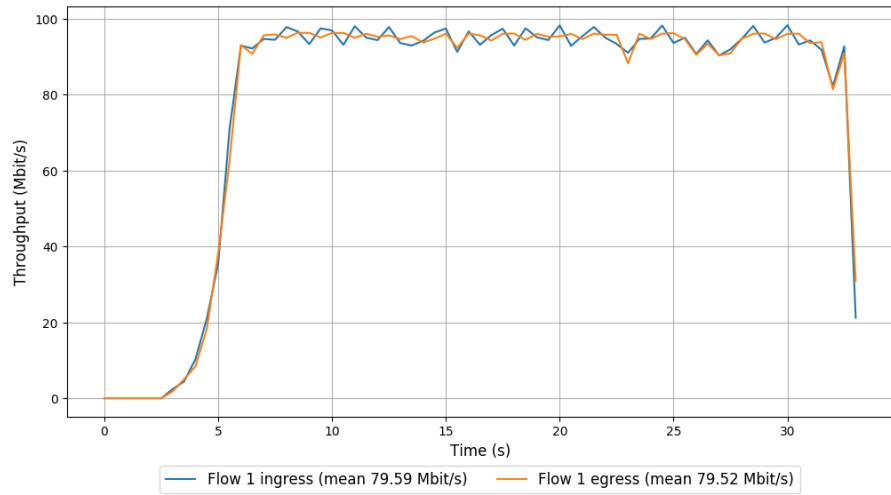


```
Run 8: Statistics of CalibratedKoho
```

```
Start at: Tue, 04 Jul 2017 03:56:46 +0000
End at: Tue, 04 Jul 2017 03:57:16 +0000
Local clock offset: -0.247 ms
Remote clock offset: -4.651 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:39:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.52 Mbit/s
95th percentile per-packet one-way delay: 65.519 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 79.52 Mbit/s
95th percentile per-packet one-way delay: 65.519 ms
Loss rate: 0.08%
```

Run 8: Report of CalibratedKoho — Data Link



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

```
Start at: Tue, 04 Jul 2017 04:16:22 +0000
```

```
End at: Tue, 04 Jul 2017 04:16:52 +0000
```

```
Local clock offset: 0.13 ms
```

```
Remote clock offset: -2.901 ms
```

```
# Below is generated by plot.py at Tue, 04 Jul 2017 08:39:52 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 79.43 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.842 ms
```

```
Loss rate: 0.04%
```

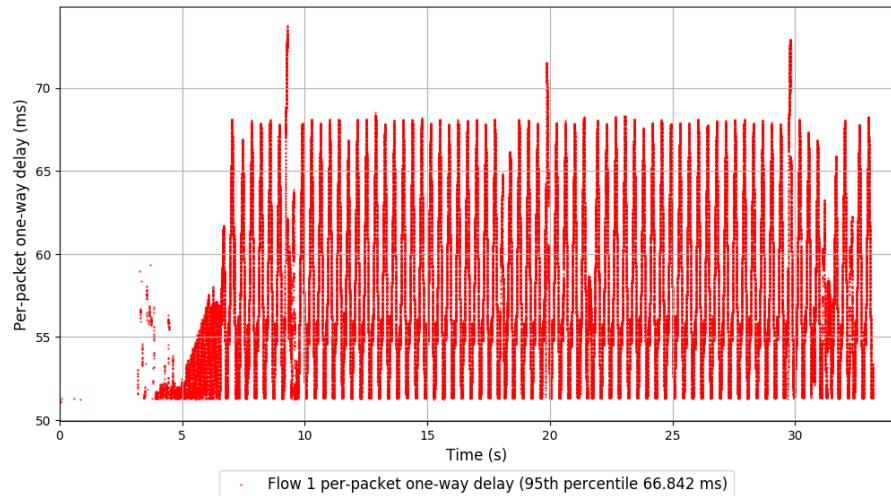
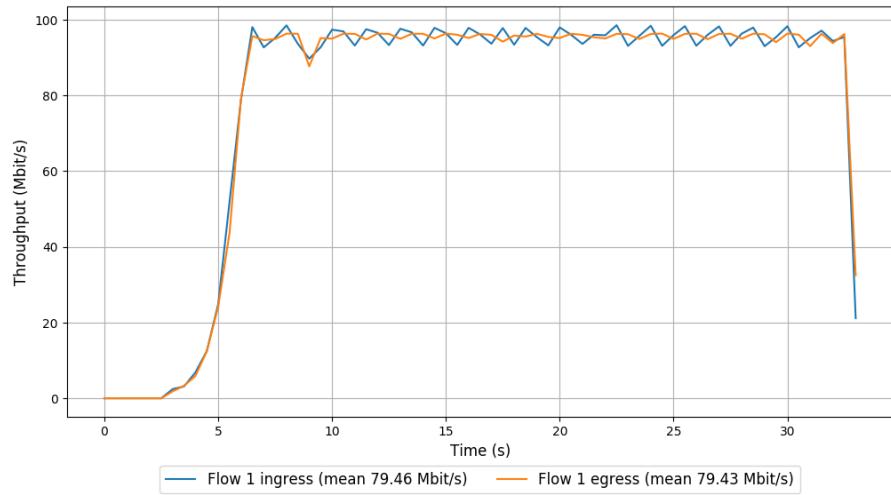
```
-- Flow 1:
```

```
Average throughput: 79.43 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.842 ms
```

```
Loss rate: 0.04%
```

Run 9: Report of CalibratedKoho — Data Link



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

```
Start at: Tue, 04 Jul 2017 04:36:12 +0000
```

```
End at: Tue, 04 Jul 2017 04:36:42 +0000
```

```
Local clock offset: 0.237 ms
```

```
Remote clock offset: -2.135 ms
```

```
# Below is generated by plot.py at Tue, 04 Jul 2017 08:39:52 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 78.81 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.072 ms
```

```
Loss rate: 0.20%
```

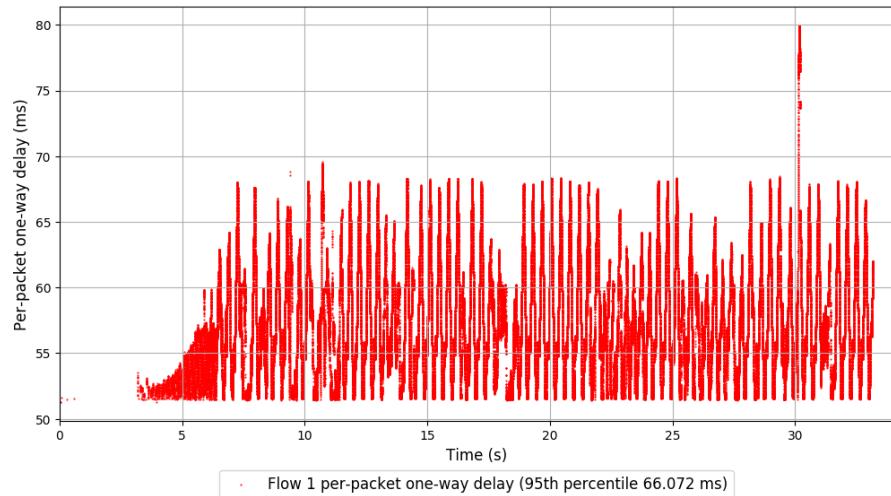
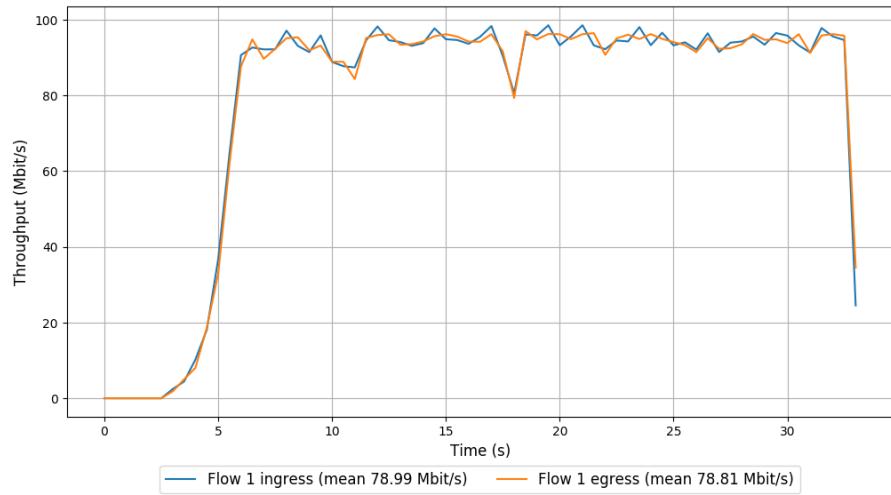
```
-- Flow 1:
```

```
Average throughput: 78.81 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.072 ms
```

```
Loss rate: 0.20%
```

Run 10: Report of CalibratedKoho — Data Link

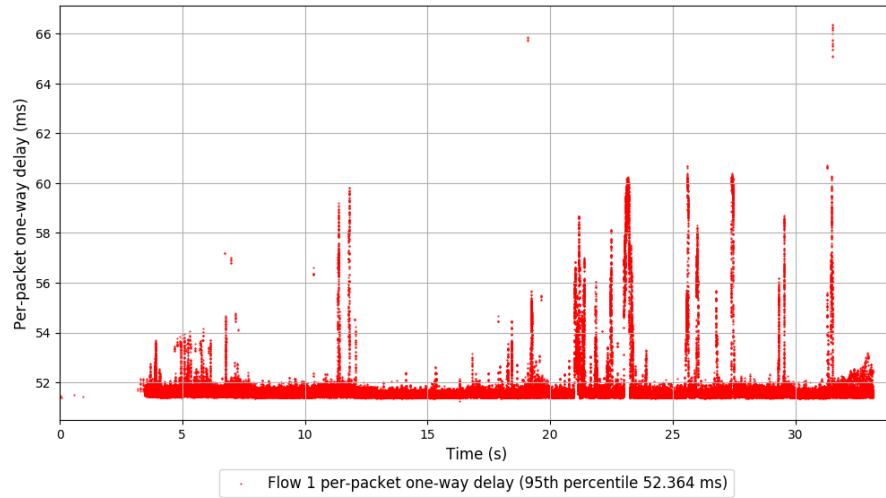
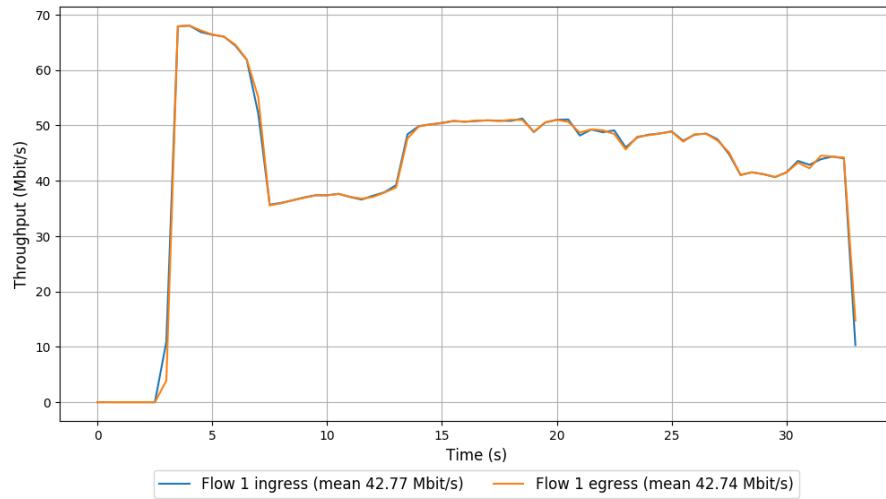


Run 1: Statistics of Copa

```
Start at: Tue, 04 Jul 2017 01:51:31 +0000
End at: Tue, 04 Jul 2017 01:52:01 +0000
Local clock offset: 0.434 ms
Remote clock offset: -4.377 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:40:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.74 Mbit/s
95th percentile per-packet one-way delay: 52.364 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 42.74 Mbit/s
95th percentile per-packet one-way delay: 52.364 ms
Loss rate: 0.06%
```

Run 1: Report of Copa — Data Link

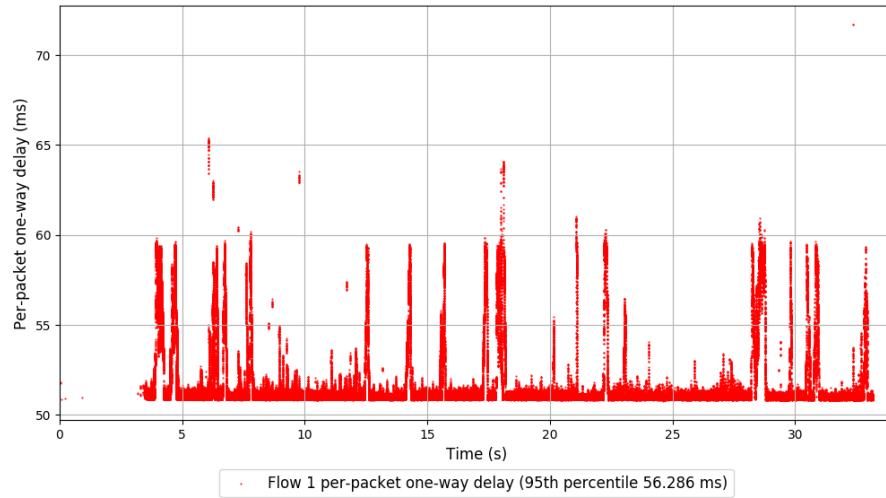
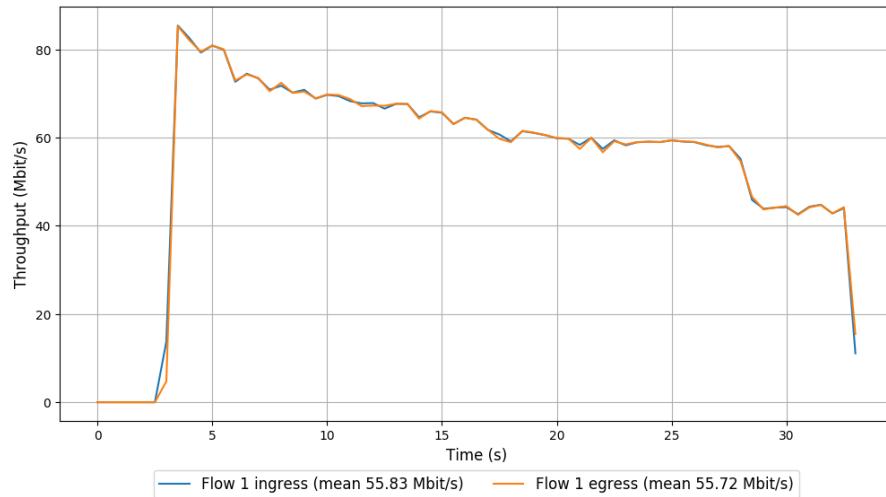


Run 2: Statistics of Copa

```
Start at: Tue, 04 Jul 2017 02:11:04 +0000
End at: Tue, 04 Jul 2017 02:11:34 +0000
Local clock offset: 0.285 ms
Remote clock offset: -4.486 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:40:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: 56.286 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 55.72 Mbit/s
95th percentile per-packet one-way delay: 56.286 ms
Loss rate: 0.19%
```

Run 2: Report of Copa — Data Link

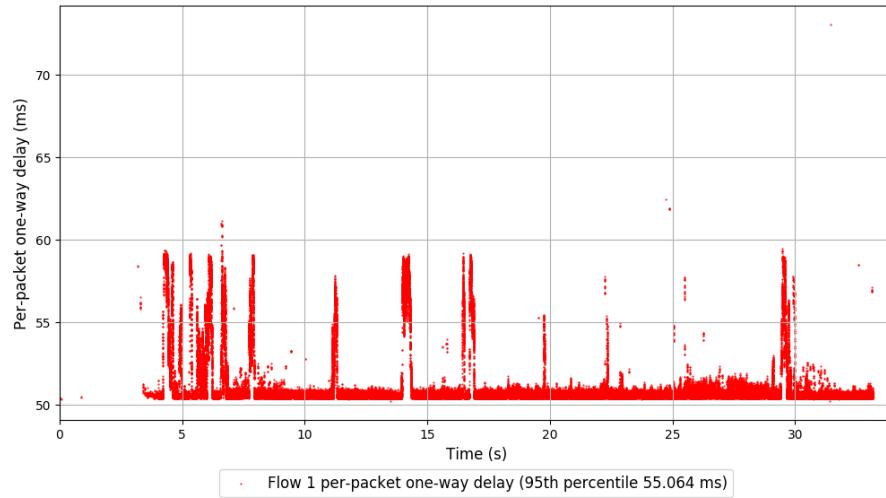
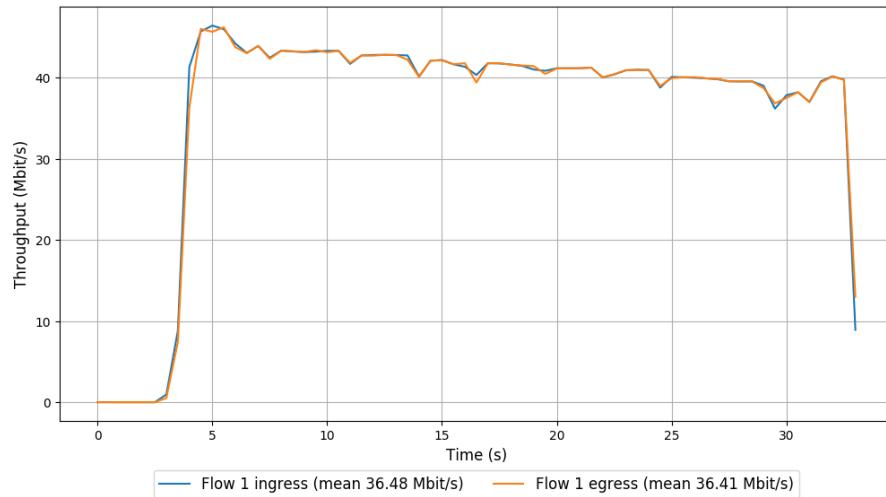


Run 3: Statistics of Copa

```
Start at: Tue, 04 Jul 2017 02:30:38 +0000
End at: Tue, 04 Jul 2017 02:31:08 +0000
Local clock offset: -0.089 ms
Remote clock offset: -1.931 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:40:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 55.064 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 55.064 ms
Loss rate: 0.19%
```

Run 3: Report of Copa — Data Link

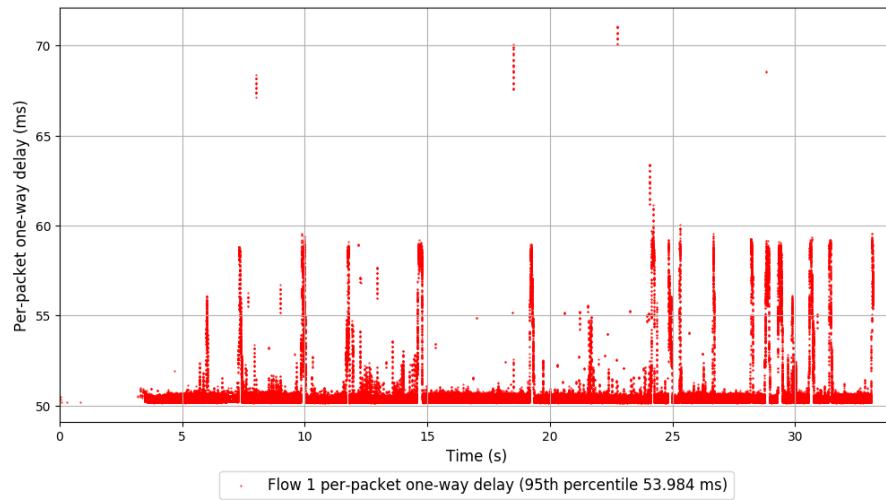
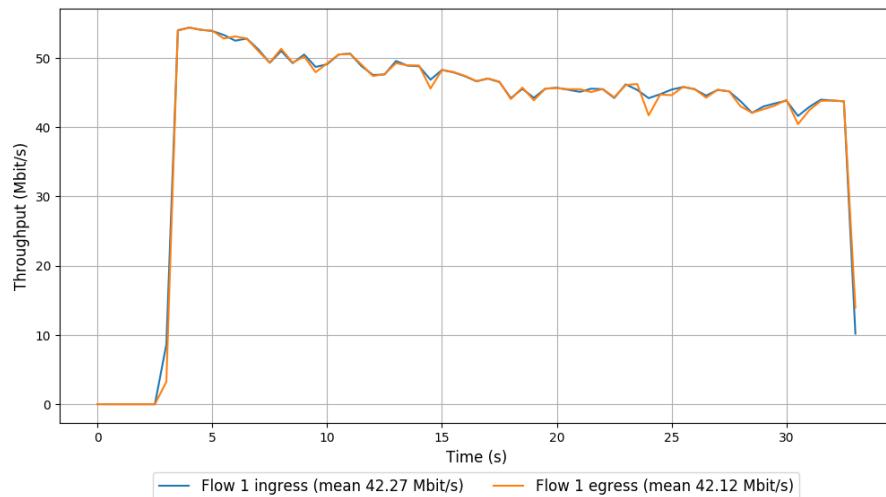


Run 4: Statistics of Copa

```
Start at: Tue, 04 Jul 2017 02:50:17 +0000
End at: Tue, 04 Jul 2017 02:50:47 +0000
Local clock offset: -0.323 ms
Remote clock offset: -4.275 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:40:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 53.984 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 42.12 Mbit/s
95th percentile per-packet one-way delay: 53.984 ms
Loss rate: 0.34%
```

Run 4: Report of Copa — Data Link

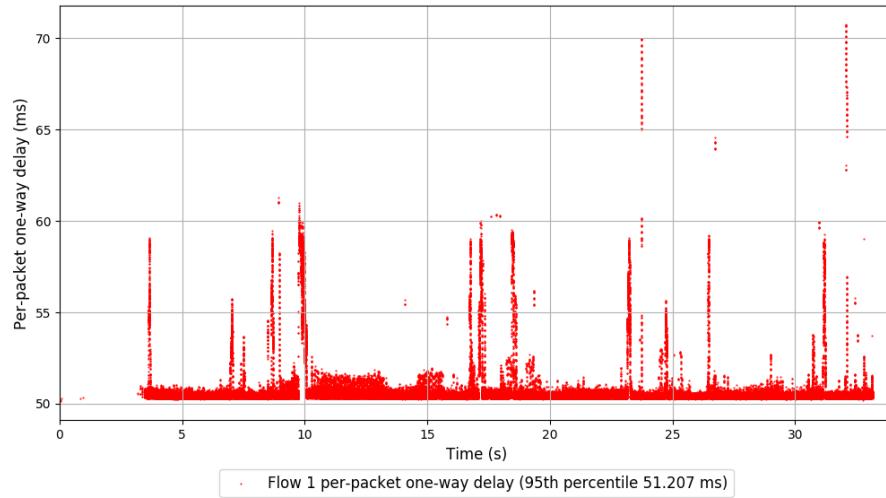
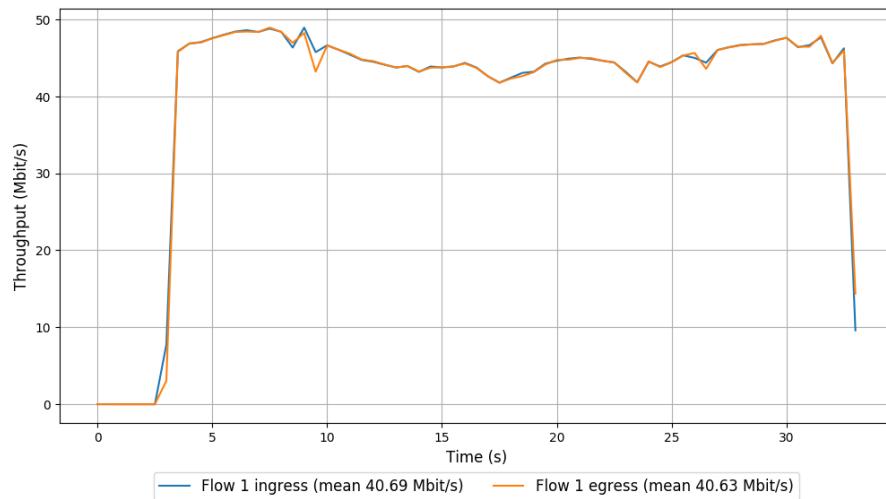


Run 5: Statistics of Copa

```
Start at: Tue, 04 Jul 2017 03:09:54 +0000
End at: Tue, 04 Jul 2017 03:10:24 +0000
Local clock offset: -0.311 ms
Remote clock offset: -4.482 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:40:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 51.207 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 40.63 Mbit/s
95th percentile per-packet one-way delay: 51.207 ms
Loss rate: 0.15%
```

Run 5: Report of Copa — Data Link

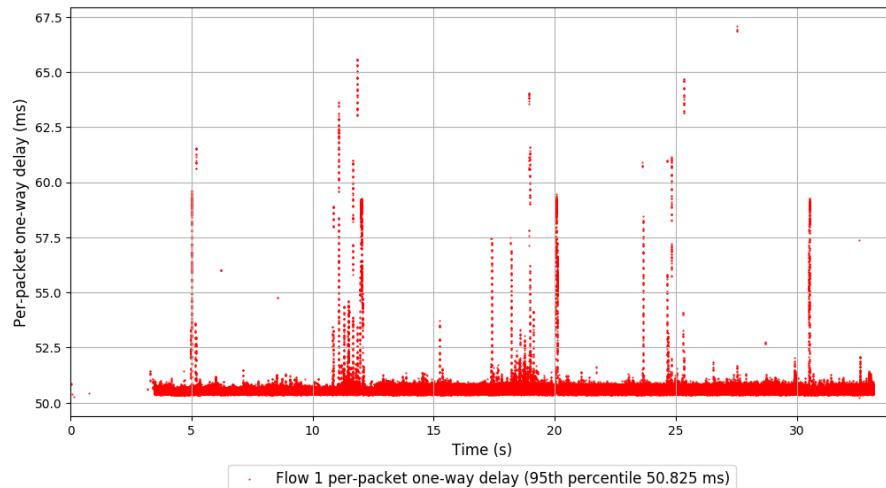
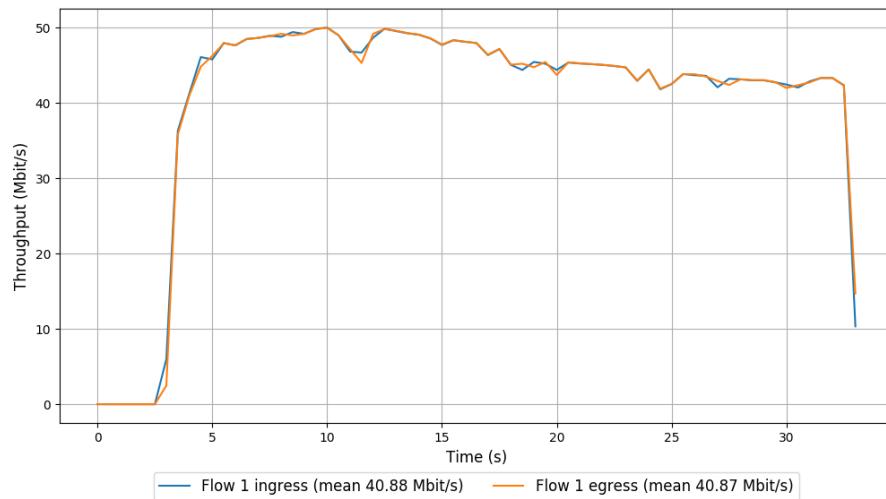


Run 6: Statistics of Copa

```
Start at: Tue, 04 Jul 2017 03:29:28 +0000
End at: Tue, 04 Jul 2017 03:29:58 +0000
Local clock offset: -0.429 ms
Remote clock offset: -1.737 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:40:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.87 Mbit/s
95th percentile per-packet one-way delay: 50.825 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 40.87 Mbit/s
95th percentile per-packet one-way delay: 50.825 ms
Loss rate: 0.05%
```

Run 6: Report of Copa — Data Link

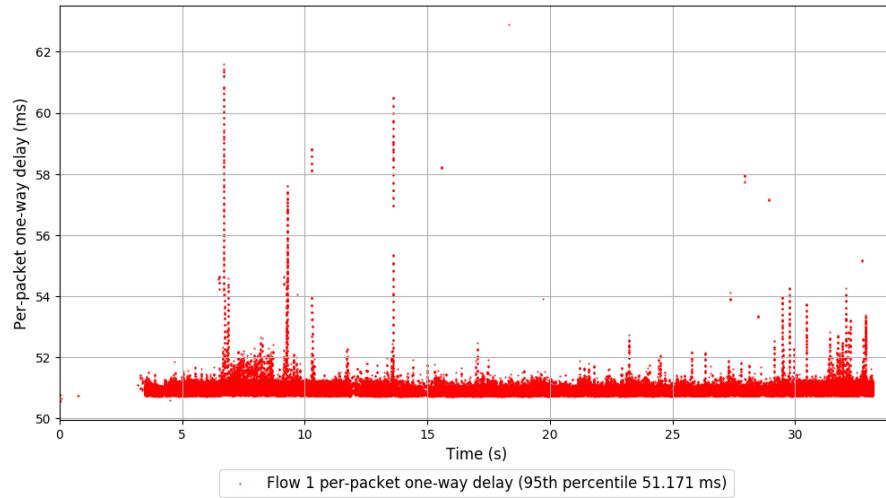
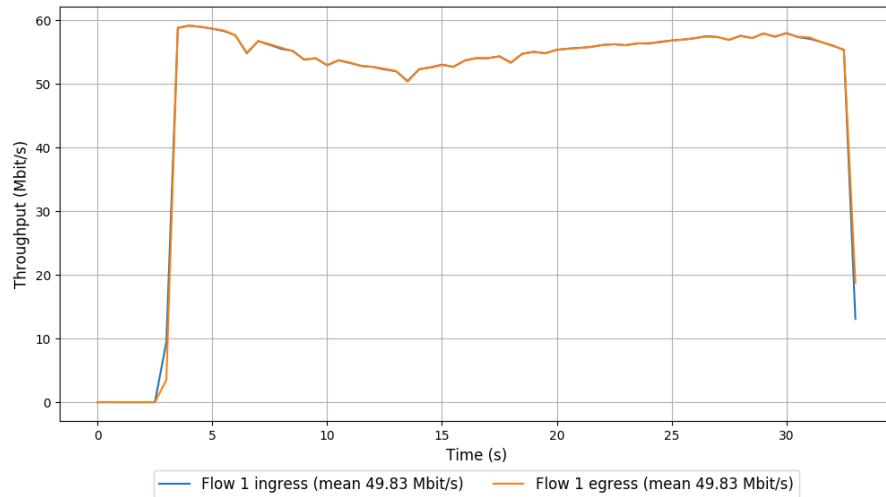


Run 7: Statistics of Copa

```
Start at: Tue, 04 Jul 2017 03:48:56 +0000
End at: Tue, 04 Jul 2017 03:49:26 +0000
Local clock offset: -0.278 ms
Remote clock offset: -2.762 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:40:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 51.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 51.171 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

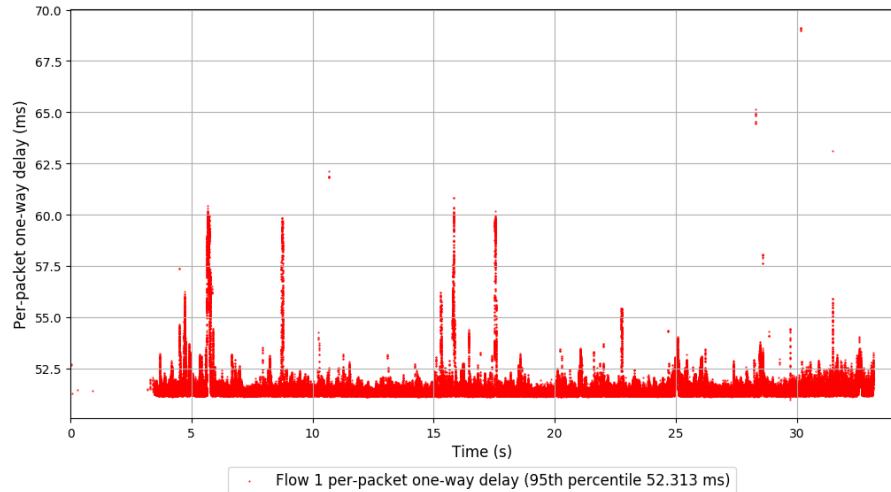
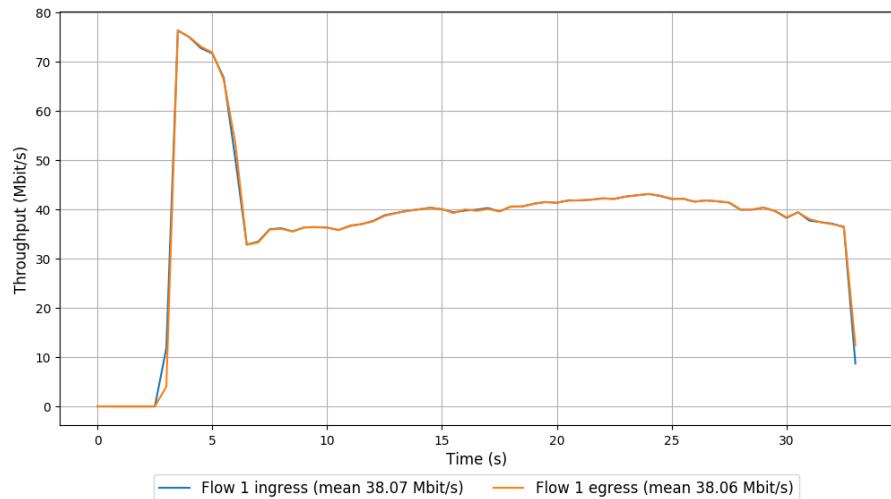


Run 8: Statistics of Copa

```
Start at: Tue, 04 Jul 2017 04:08:33 +0000
End at: Tue, 04 Jul 2017 04:09:03 +0000
Local clock offset: 0.033 ms
Remote clock offset: -2.041 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:40:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 52.313 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 38.06 Mbit/s
95th percentile per-packet one-way delay: 52.313 ms
Loss rate: 0.06%
```

Run 8: Report of Copa — Data Link

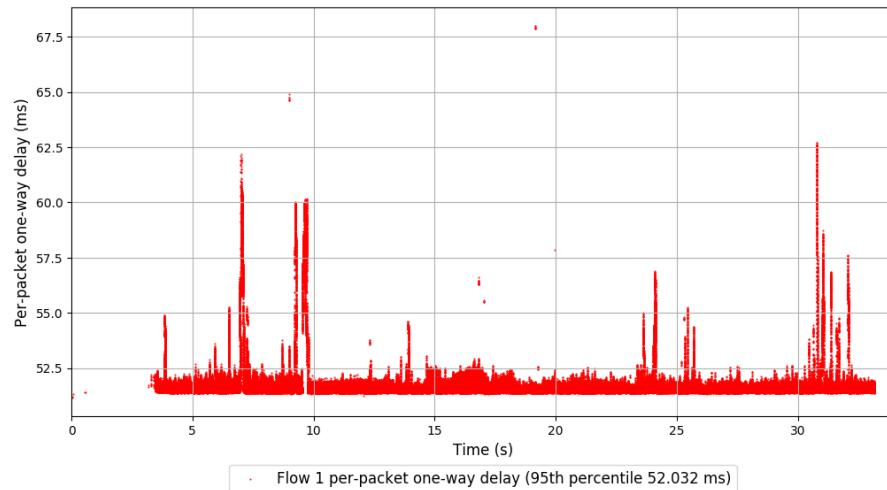
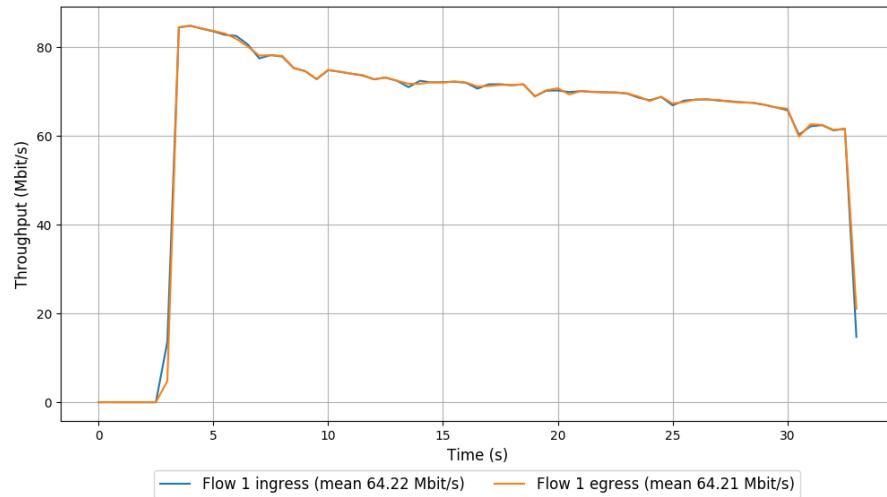


Run 9: Statistics of Copa

```
Start at: Tue, 04 Jul 2017 04:28:19 +0000
End at: Tue, 04 Jul 2017 04:28:49 +0000
Local clock offset: 0.188 ms
Remote clock offset: -4.537 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:40:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.21 Mbit/s
95th percentile per-packet one-way delay: 52.032 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 64.21 Mbit/s
95th percentile per-packet one-way delay: 52.032 ms
Loss rate: 0.02%
```

Run 9: Report of Copa — Data Link

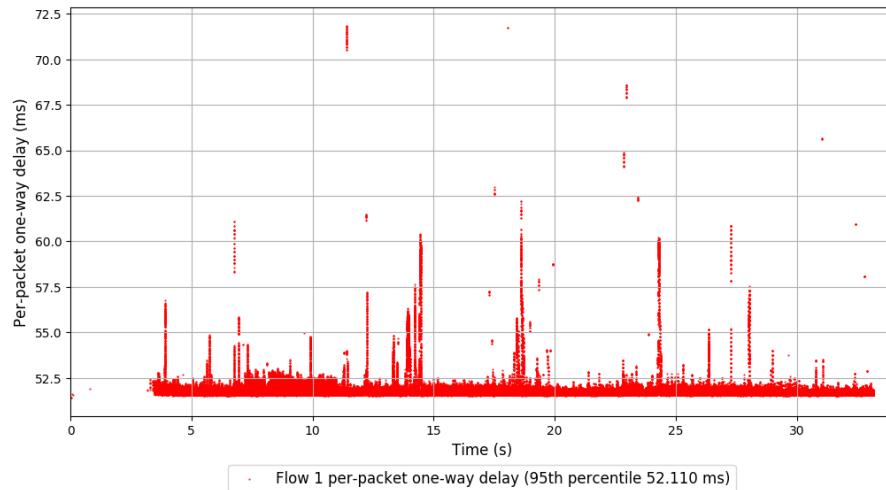
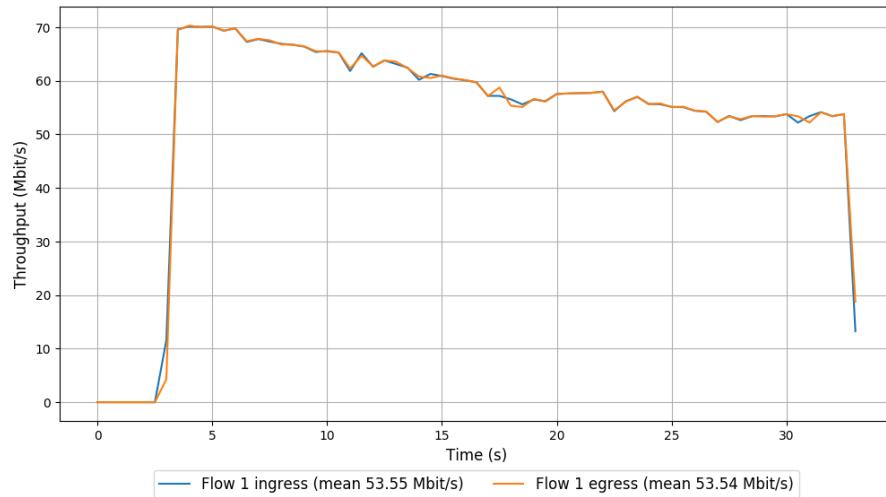


Run 10: Statistics of Copa

```
Start at: Tue, 04 Jul 2017 04:47:56 +0000
End at: Tue, 04 Jul 2017 04:48:26 +0000
Local clock offset: 0.452 ms
Remote clock offset: -4.876 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:40:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 52.110 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.54 Mbit/s
95th percentile per-packet one-way delay: 52.110 ms
Loss rate: 0.02%
```

Run 10: Report of Copa — Data Link



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

```
Start at: Tue, 04 Jul 2017 01:37:08 +0000
```

```
End at: Tue, 04 Jul 2017 01:37:38 +0000
```

```
Local clock offset: 0.488 ms
```

```
Remote clock offset: -2.062 ms
```

```
# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:04 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 57.77 Mbit/s
```

```
95th percentile per-packet one-way delay: 64.757 ms
```

```
Loss rate: 0.30%
```

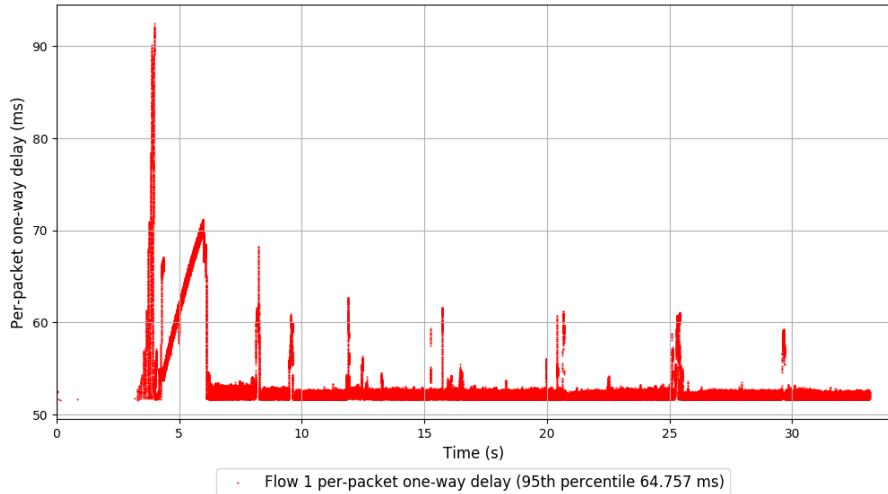
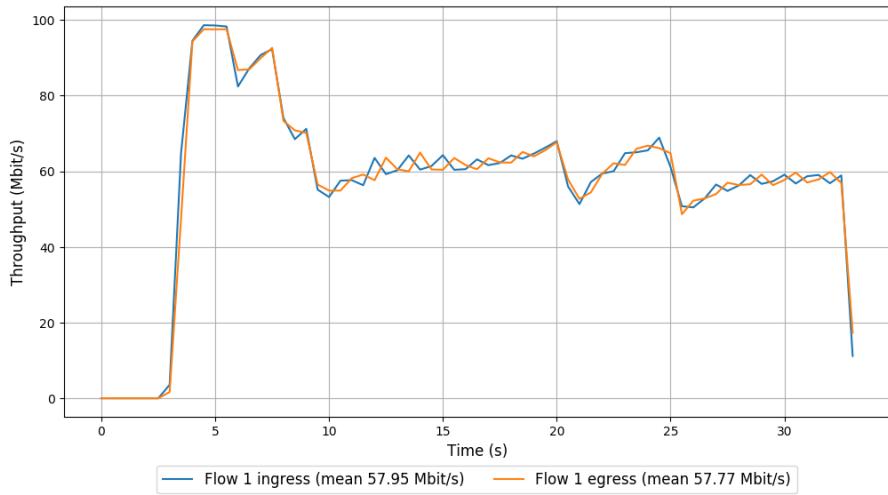
```
-- Flow 1:
```

```
Average throughput: 57.77 Mbit/s
```

```
95th percentile per-packet one-way delay: 64.757 ms
```

```
Loss rate: 0.30%
```

Run 1: Report of TCP Cubic — Data Link

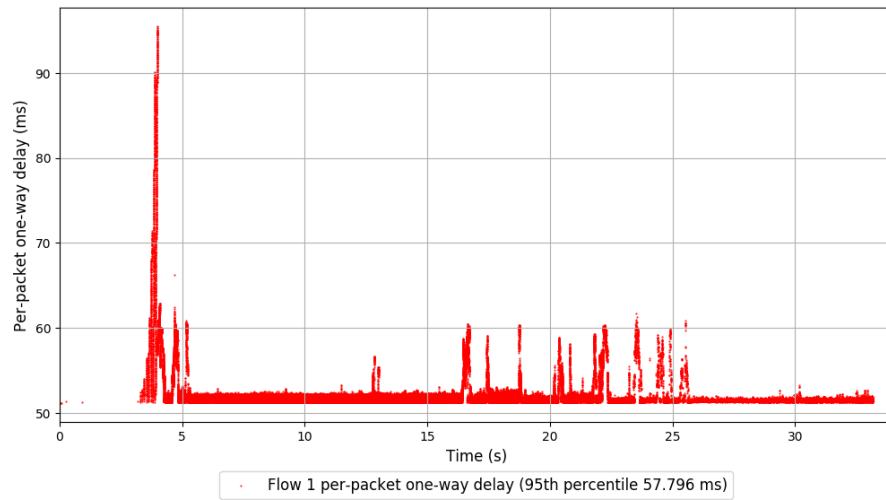
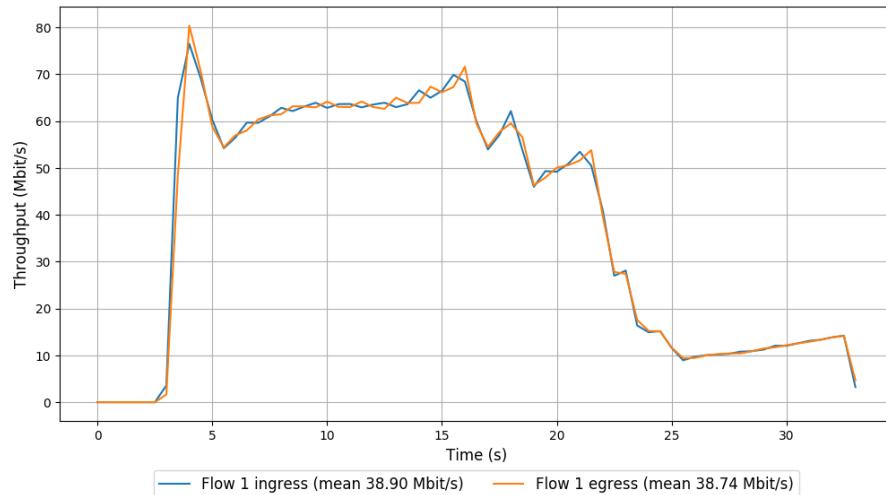


Run 2: Statistics of TCP Cubic

```
Start at: Tue, 04 Jul 2017 01:56:47 +0000
End at: Tue, 04 Jul 2017 01:57:17 +0000
Local clock offset: 0.461 ms
Remote clock offset: -4.348 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 57.796 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 38.74 Mbit/s
95th percentile per-packet one-way delay: 57.796 ms
Loss rate: 0.43%
```

Run 2: Report of TCP Cubic — Data Link

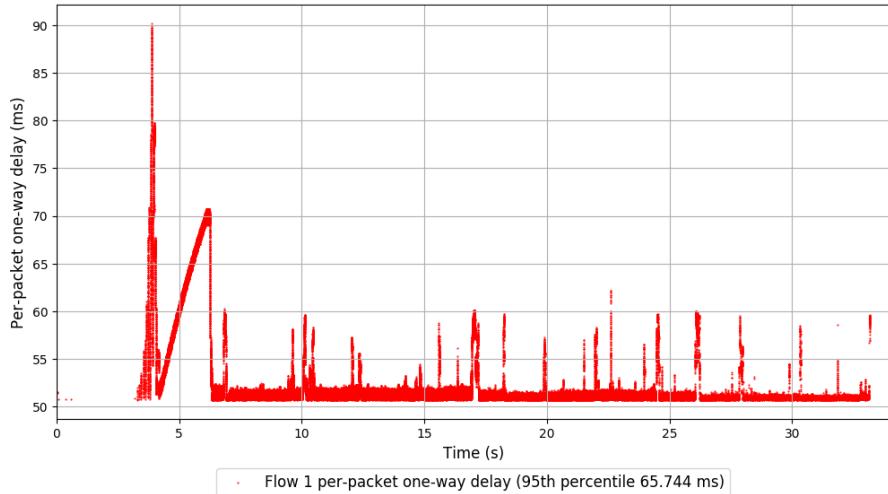
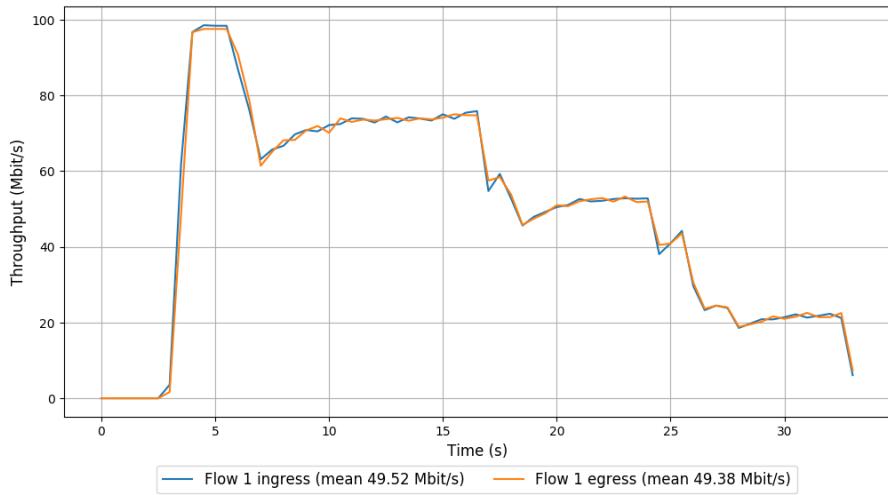


Run 3: Statistics of TCP Cubic

```
Start at: Tue, 04 Jul 2017 02:16:20 +0000
End at: Tue, 04 Jul 2017 02:16:50 +0000
Local clock offset: 0.123 ms
Remote clock offset: -1.846 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.38 Mbit/s
95th percentile per-packet one-way delay: 65.744 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 49.38 Mbit/s
95th percentile per-packet one-way delay: 65.744 ms
Loss rate: 0.27%
```

Run 3: Report of TCP Cubic — Data Link

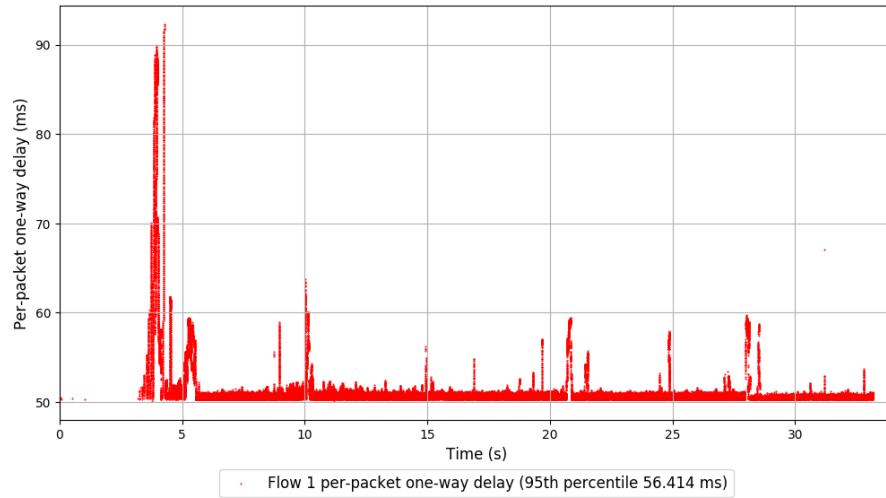
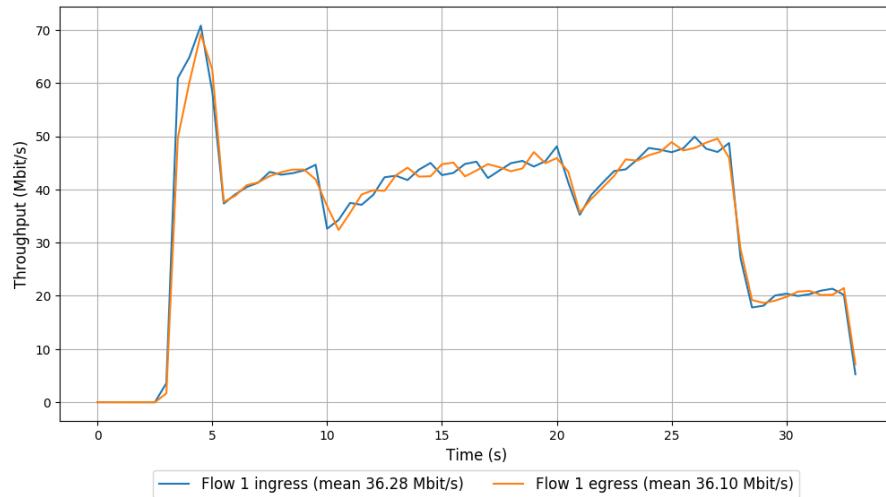


Run 4: Statistics of TCP Cubic

```
Start at: Tue, 04 Jul 2017 02:35:54 +0000
End at: Tue, 04 Jul 2017 02:36:24 +0000
Local clock offset: -0.184 ms
Remote clock offset: -1.815 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 56.414 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 36.10 Mbit/s
95th percentile per-packet one-way delay: 56.414 ms
Loss rate: 0.52%
```

Run 4: Report of TCP Cubic — Data Link

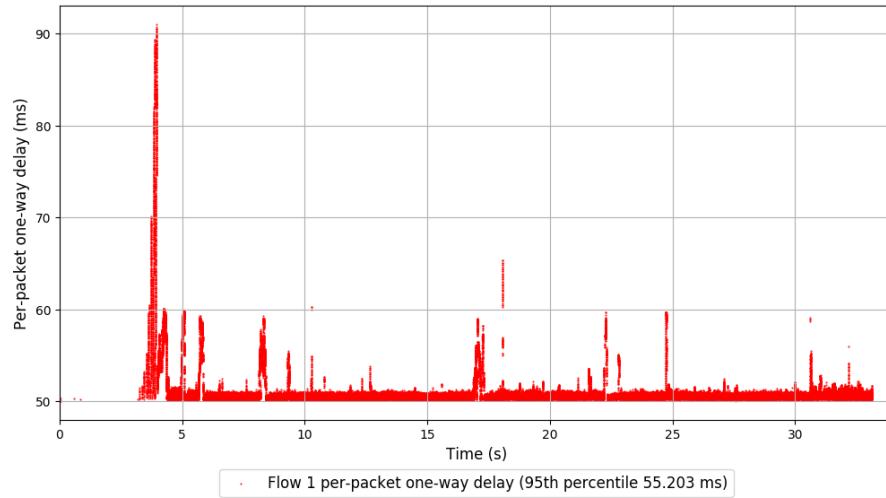
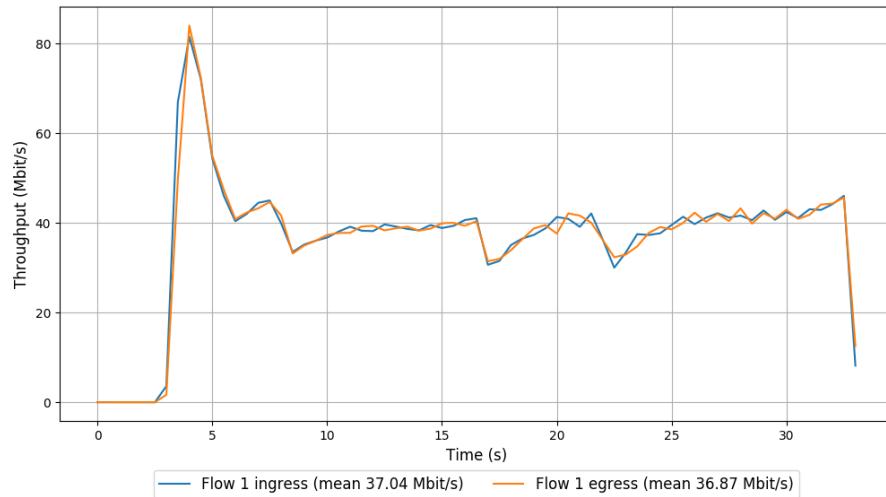


Run 5: Statistics of TCP Cubic

```
Start at: Tue, 04 Jul 2017 02:55:32 +0000
End at: Tue, 04 Jul 2017 02:56:02 +0000
Local clock offset: -0.359 ms
Remote clock offset: -4.315 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 55.203 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 36.87 Mbit/s
95th percentile per-packet one-way delay: 55.203 ms
Loss rate: 0.45%
```

Run 5: Report of TCP Cubic — Data Link

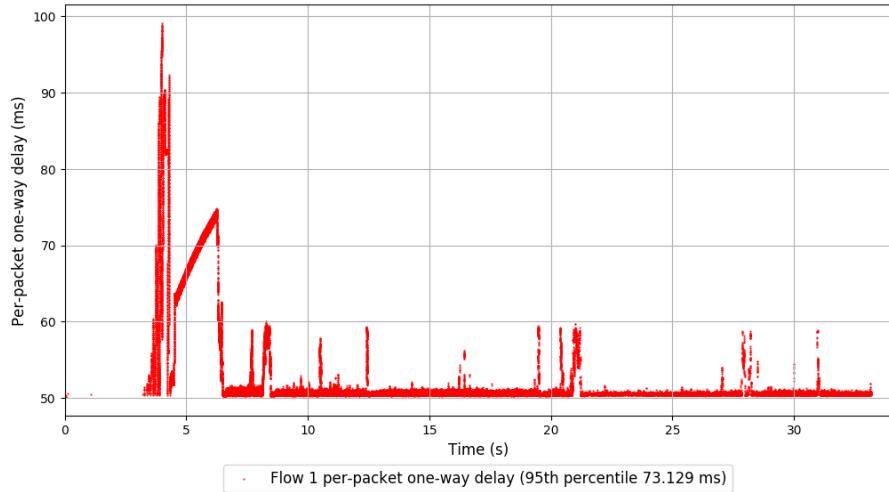
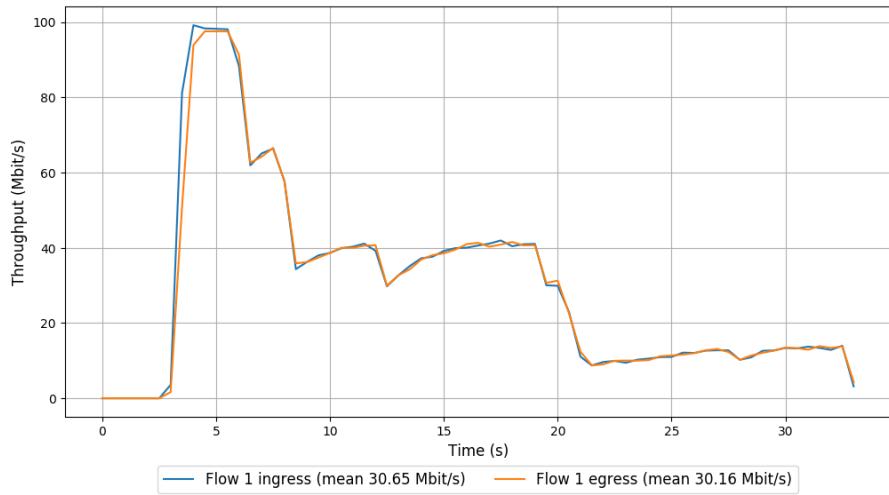


Run 6: Statistics of TCP Cubic

```
Start at: Tue, 04 Jul 2017 03:15:10 +0000
End at: Tue, 04 Jul 2017 03:15:40 +0000
Local clock offset: -0.444 ms
Remote clock offset: -4.589 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 73.129 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 73.129 ms
Loss rate: 1.60%
```

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Tue, 04 Jul 2017 03:34:42 +0000

End at: Tue, 04 Jul 2017 03:35:12 +0000

Local clock offset: -0.403 ms

Remote clock offset: -1.824 ms

Below is generated by plot.py at Tue, 04 Jul 2017 08:41:19 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.99 Mbit/s

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

Loss rate: 0.73%

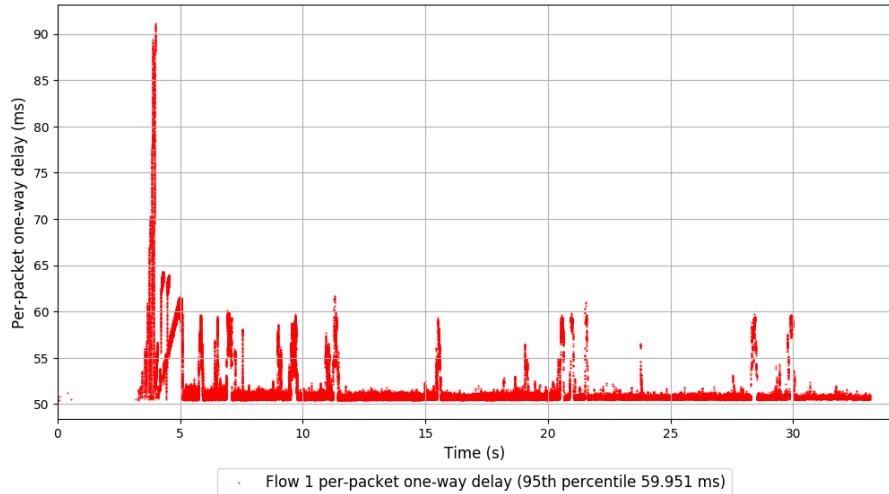
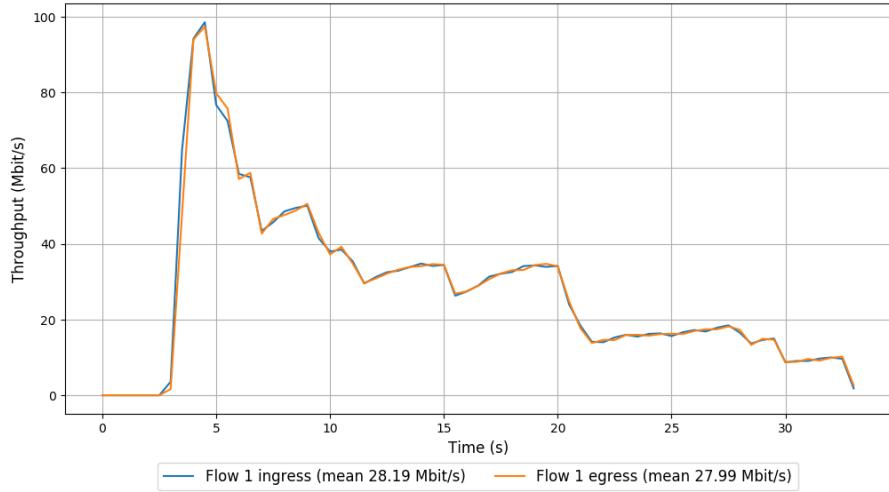
-- Flow 1:

Average throughput: 27.99 Mbit/s

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

Loss rate: 0.73%

Run 7: Report of TCP Cubic — Data Link

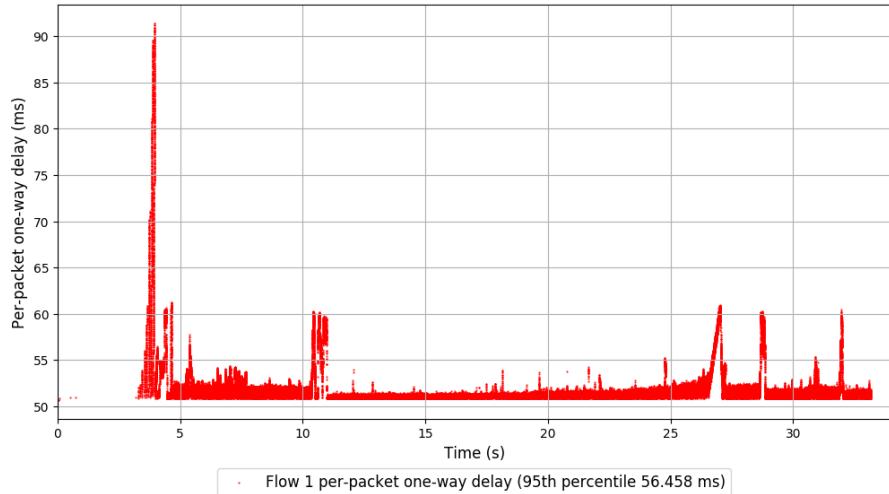
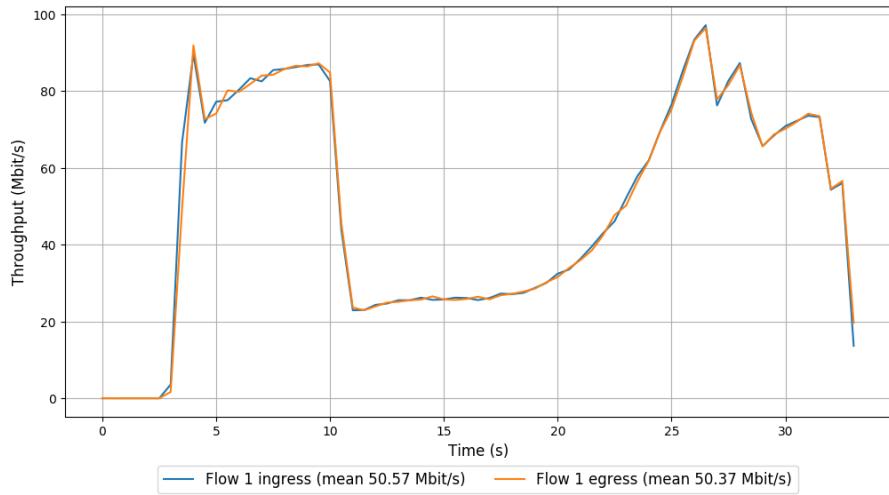


Run 8: Statistics of TCP Cubic

```
Start at: Tue, 04 Jul 2017 03:54:11 +0000
End at: Tue, 04 Jul 2017 03:54:41 +0000
Local clock offset: -0.203 ms
Remote clock offset: -4.629 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 56.458 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 50.37 Mbit/s
95th percentile per-packet one-way delay: 56.458 ms
Loss rate: 0.41%
```

Run 8: Report of TCP Cubic — Data Link

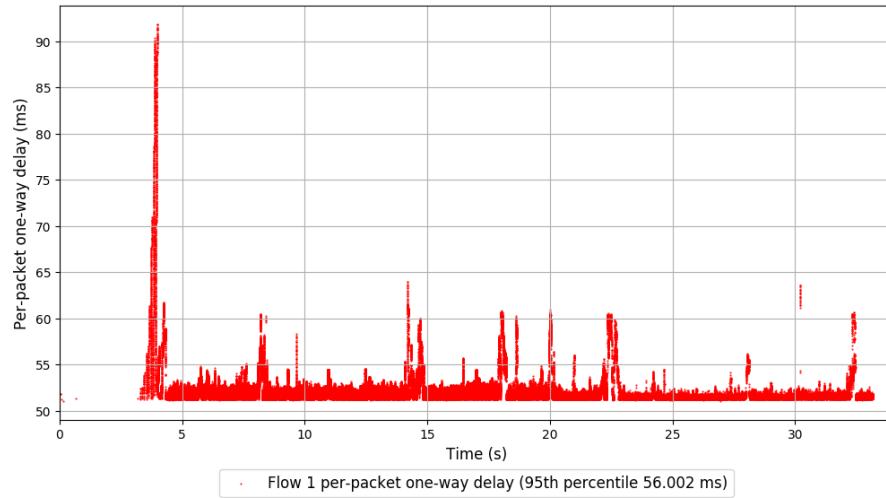
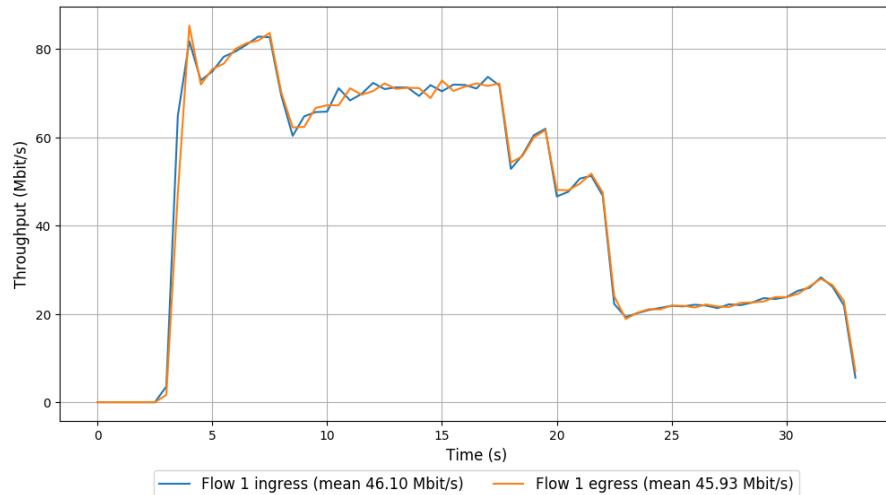


Run 9: Statistics of TCP Cubic

```
Start at: Tue, 04 Jul 2017 04:13:47 +0000
End at: Tue, 04 Jul 2017 04:14:17 +0000
Local clock offset: 0.034 ms
Remote clock offset: -2.594 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 56.002 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 45.93 Mbit/s
95th percentile per-packet one-way delay: 56.002 ms
Loss rate: 0.39%
```

Run 9: Report of TCP Cubic — Data Link

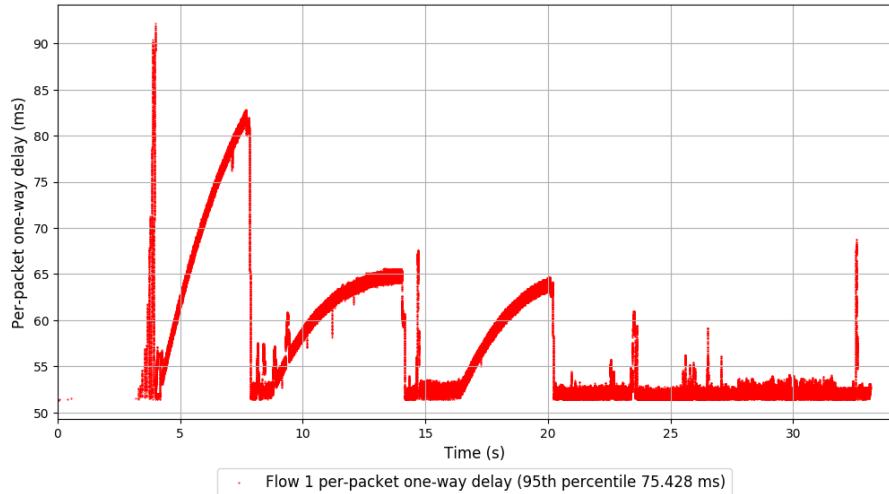
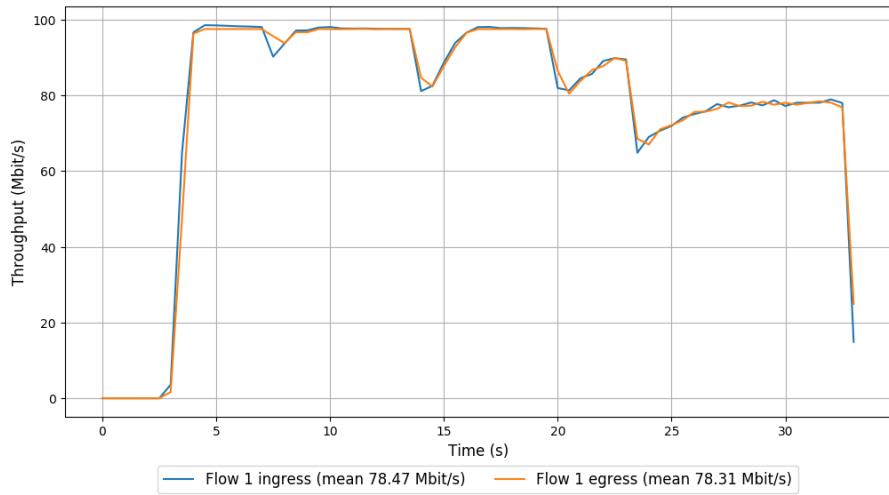


Run 10: Statistics of TCP Cubic

```
Start at: Tue, 04 Jul 2017 04:33:36 +0000
End at: Tue, 04 Jul 2017 04:34:06 +0000
Local clock offset: 0.253 ms
Remote clock offset: -2.154 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.31 Mbit/s
95th percentile per-packet one-way delay: 75.428 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 78.31 Mbit/s
95th percentile per-packet one-way delay: 75.428 ms
Loss rate: 0.20%
```

Run 10: Report of TCP Cubic — Data Link



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

```
Start at: Tue, 04 Jul 2017 01:50:14 +0000
```

```
End at: Tue, 04 Jul 2017 01:50:44 +0000
```

```
Local clock offset: 0.403 ms
```

```
Remote clock offset: -4.532 ms
```

```
# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:37 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 12.11 Mbit/s
```

```
95th percentile per-packet one-way delay: 52.763 ms
```

```
Loss rate: 0.08%
```

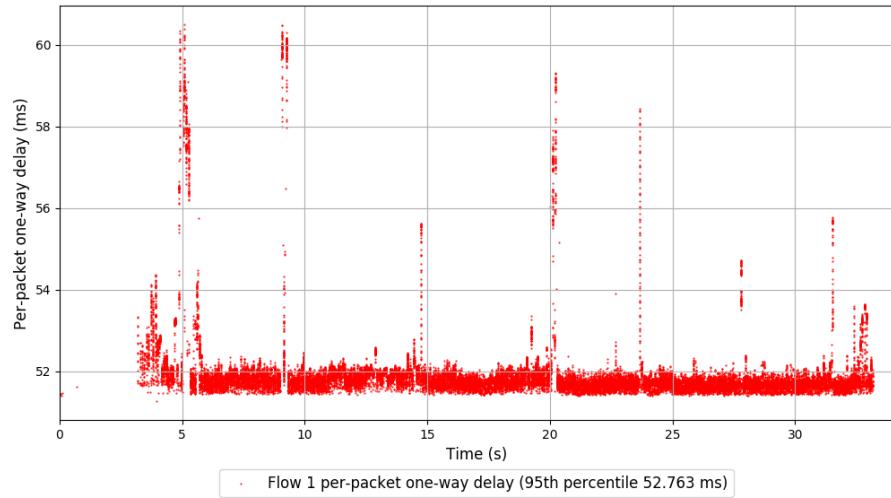
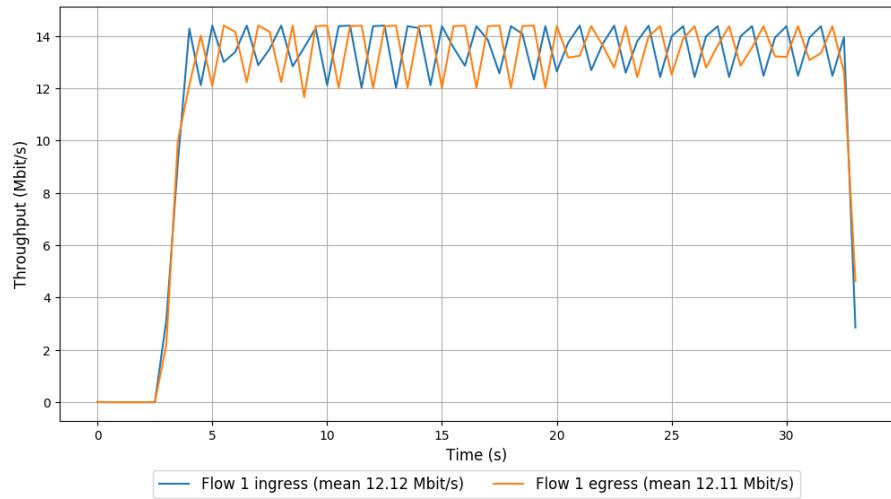
```
-- Flow 1:
```

```
Average throughput: 12.11 Mbit/s
```

```
95th percentile per-packet one-way delay: 52.763 ms
```

```
Loss rate: 0.08%
```

Run 1: Report of KohoCC — Data Link

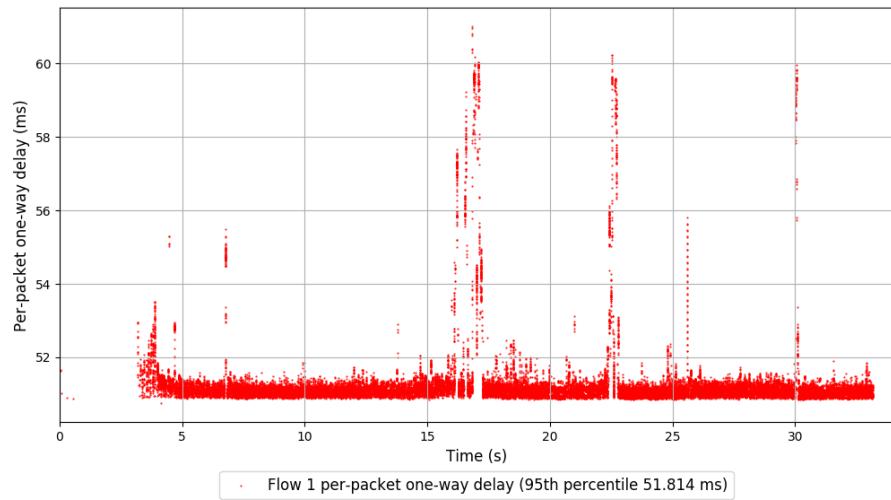
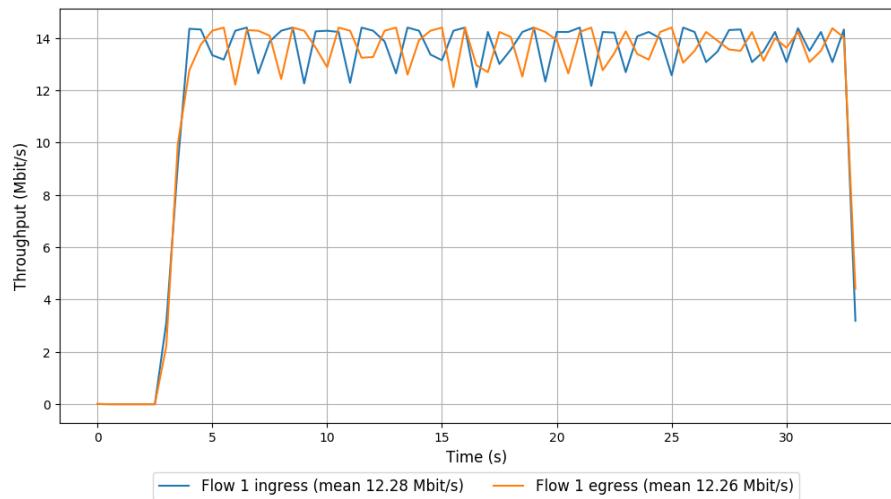


Run 2: Statistics of KohoCC

```
Start at: Tue, 04 Jul 2017 02:09:47 +0000
End at: Tue, 04 Jul 2017 02:10:17 +0000
Local clock offset: 0.315 ms
Remote clock offset: -2.497 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.26 Mbit/s
95th percentile per-packet one-way delay: 51.814 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 12.26 Mbit/s
95th percentile per-packet one-way delay: 51.814 ms
Loss rate: 0.16%
```

Run 2: Report of KohoCC — Data Link

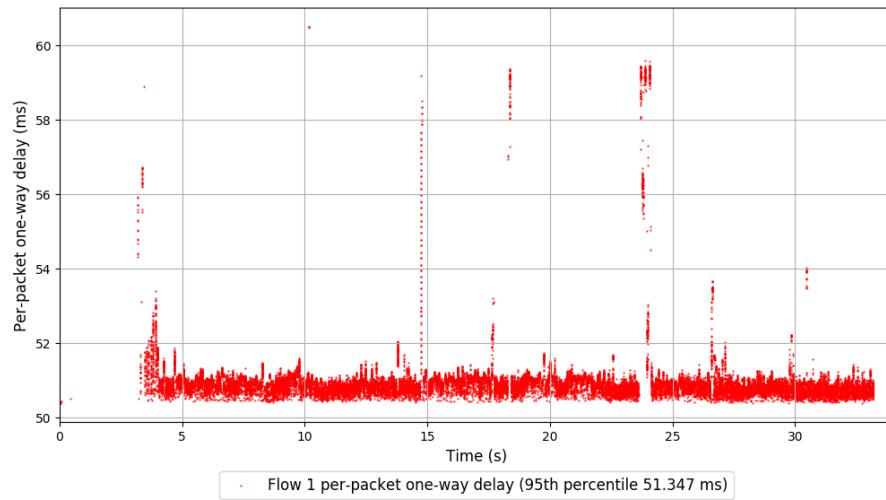
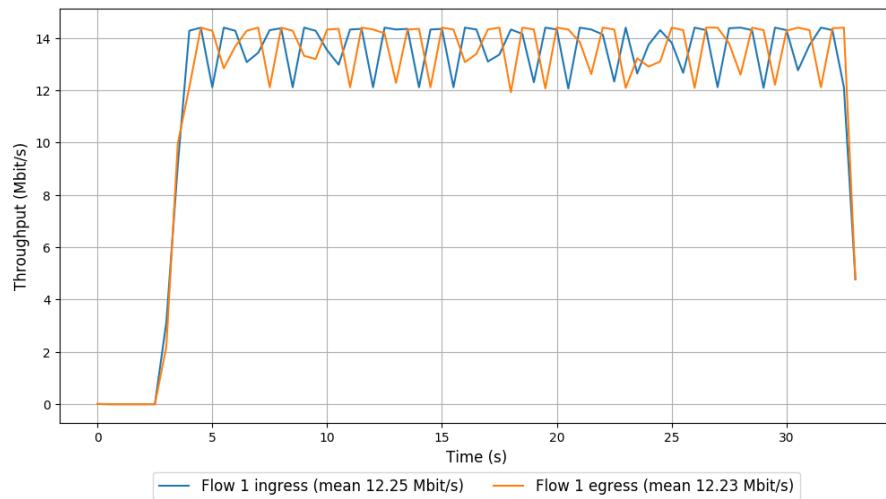


Run 3: Statistics of KohoCC

```
Start at: Tue, 04 Jul 2017 02:29:21 +0000
End at: Tue, 04 Jul 2017 02:29:51 +0000
Local clock offset: 0.031 ms
Remote clock offset: -2.285 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 51.347 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 51.347 ms
Loss rate: 0.21%
```

Run 3: Report of KohoCC — Data Link

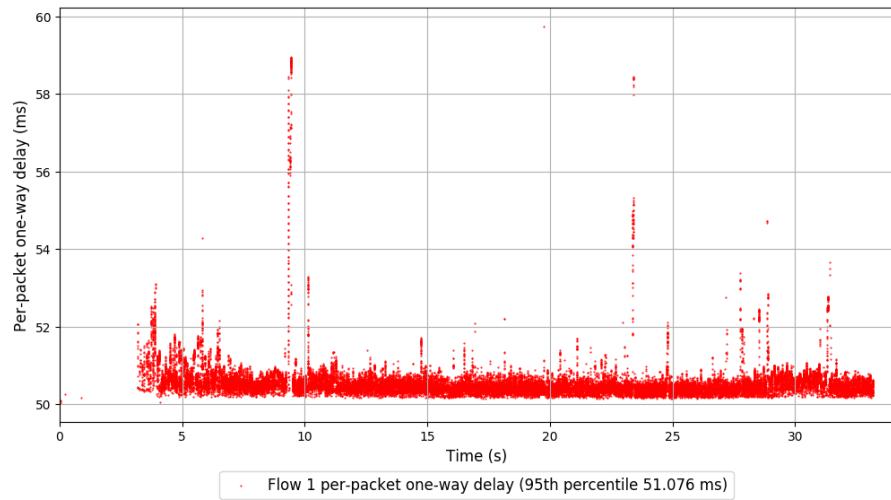
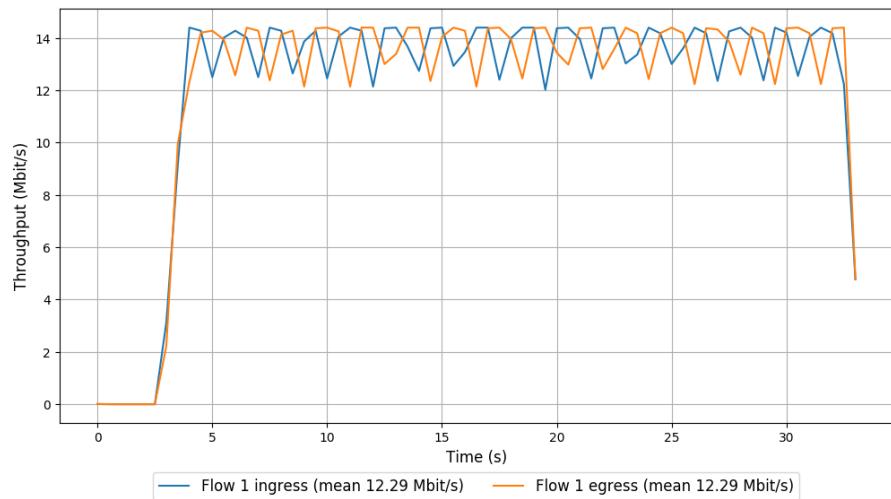


Run 4: Statistics of KohoCC

```
Start at: Tue, 04 Jul 2017 02:49:00 +0000
End at: Tue, 04 Jul 2017 02:49:30 +0000
Local clock offset: -0.294 ms
Remote clock offset: -1.926 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 51.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 51.076 ms
Loss rate: 0.00%
```

Run 4: Report of KohoCC — Data Link

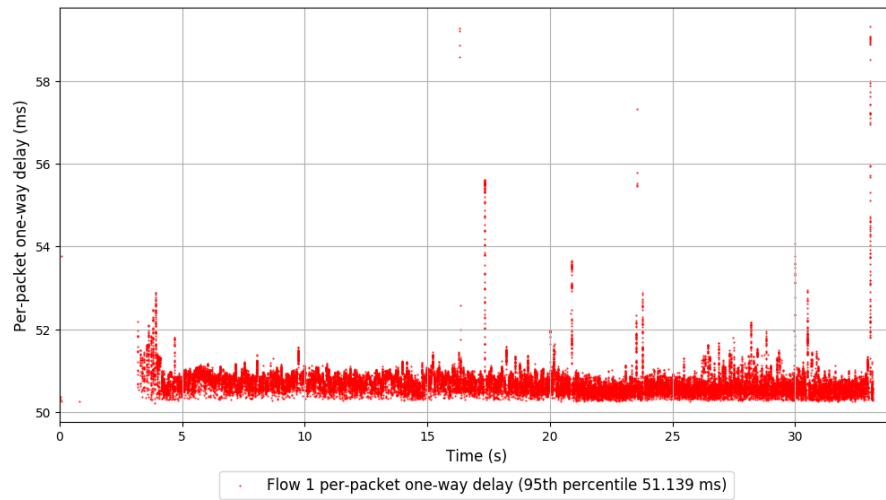
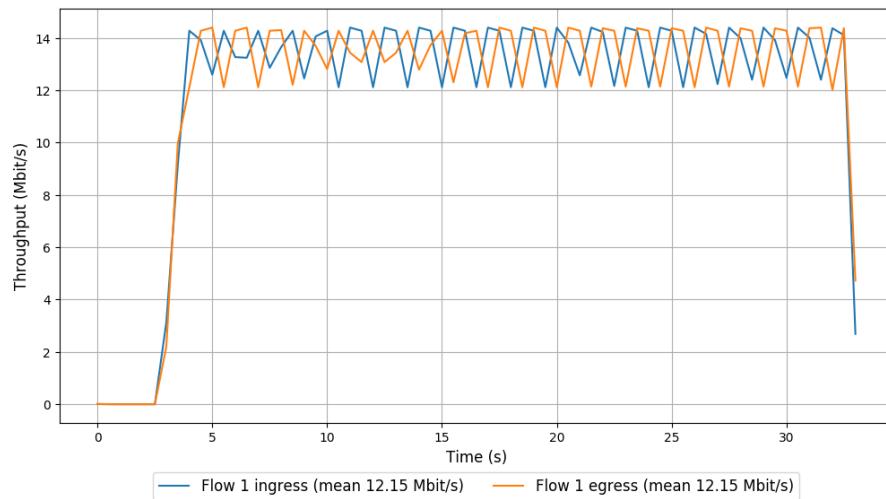


Run 5: Statistics of KohoCC

```
Start at: Tue, 04 Jul 2017 03:08:37 +0000
End at: Tue, 04 Jul 2017 03:09:07 +0000
Local clock offset: -0.296 ms
Remote clock offset: -4.085 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.15 Mbit/s
95th percentile per-packet one-way delay: 51.139 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.15 Mbit/s
95th percentile per-packet one-way delay: 51.139 ms
Loss rate: 0.01%
```

Run 5: Report of KohoCC — Data Link

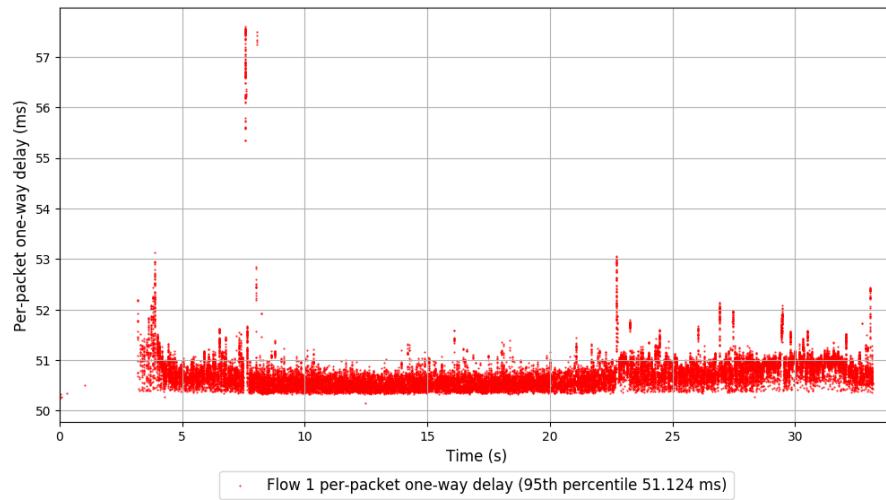
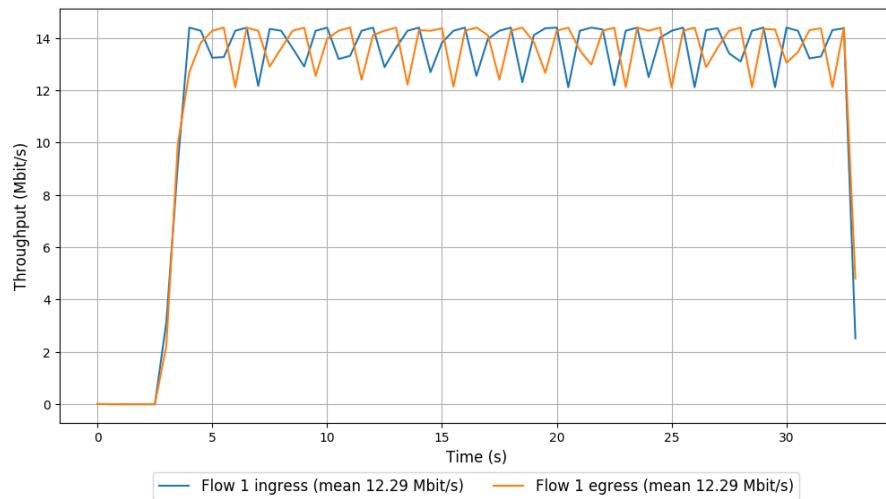


Run 6: Statistics of KohoCC

```
Start at: Tue, 04 Jul 2017 03:28:11 +0000
End at: Tue, 04 Jul 2017 03:28:41 +0000
Local clock offset: -0.506 ms
Remote clock offset: -2.176 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 51.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 51.124 ms
Loss rate: 0.00%
```

Run 6: Report of KohoCC — Data Link

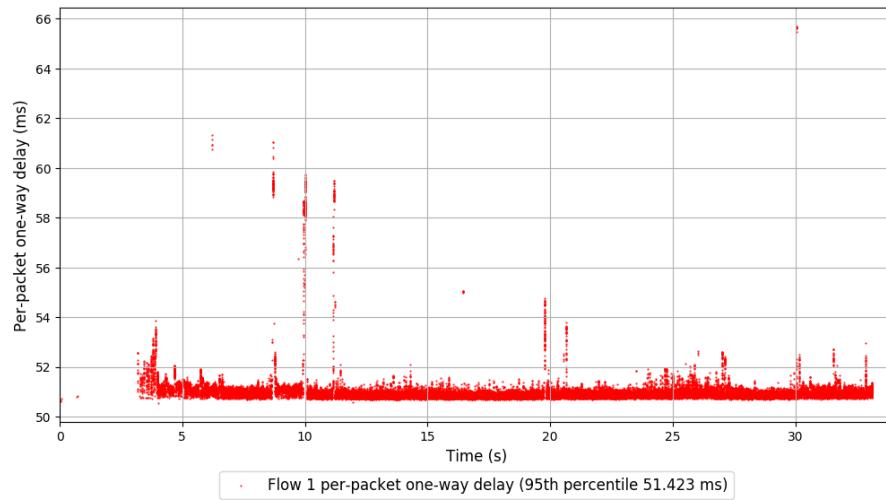
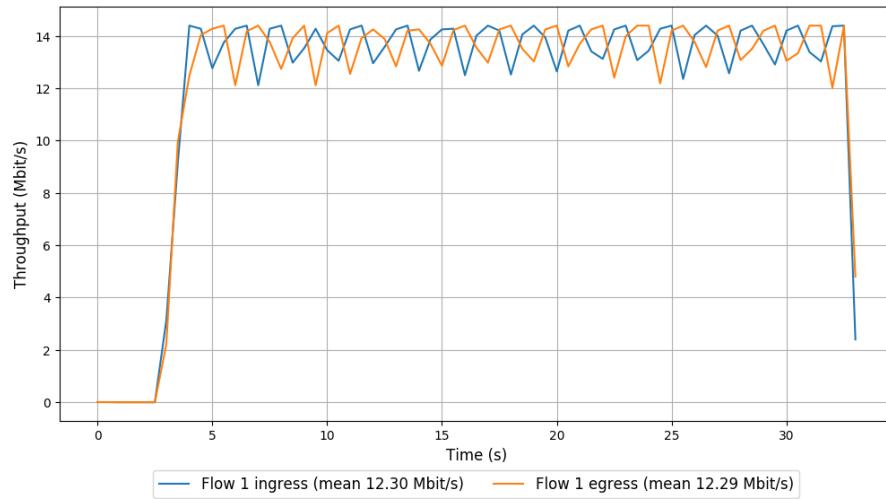


Run 7: Statistics of KohoCC

```
Start at: Tue, 04 Jul 2017 03:47:39 +0000
End at: Tue, 04 Jul 2017 03:48:09 +0000
Local clock offset: -0.288 ms
Remote clock offset: -2.019 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 51.423 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 51.423 ms
Loss rate: 0.08%
```

Run 7: Report of KohoCC — Data Link

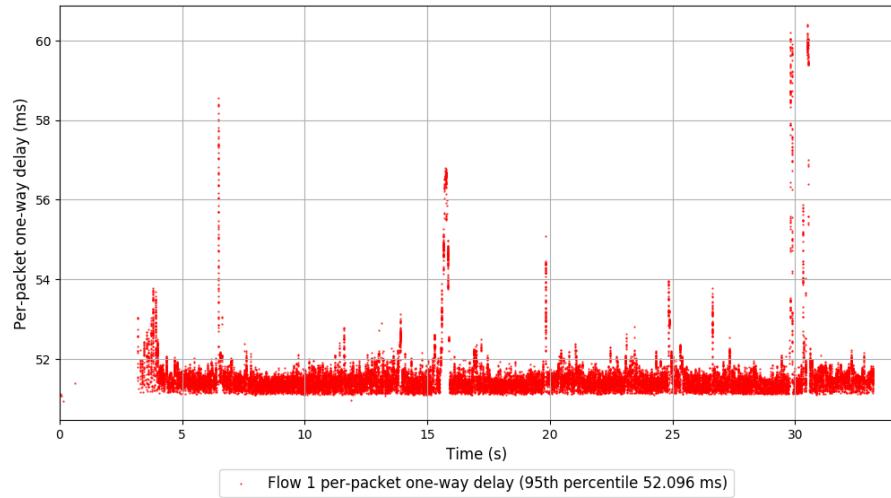
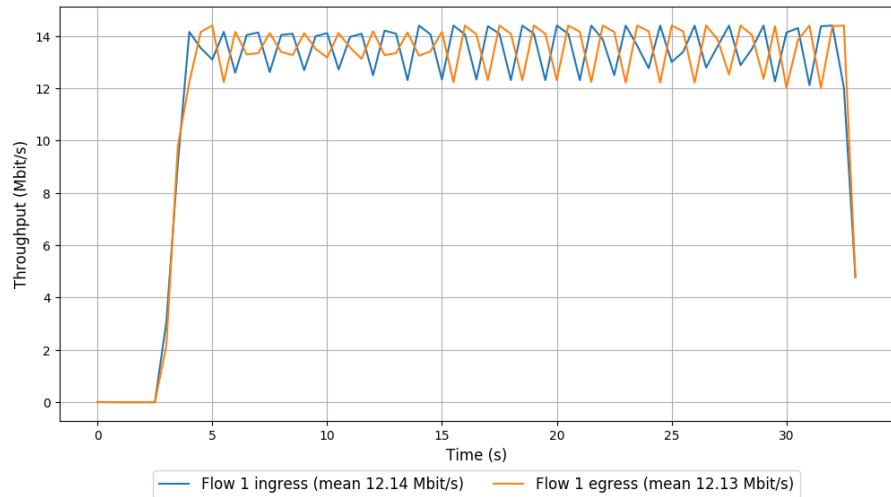


Run 8: Statistics of KohoCC

```
Start at: Tue, 04 Jul 2017 04:07:16 +0000
End at: Tue, 04 Jul 2017 04:07:46 +0000
Local clock offset: 0.002 ms
Remote clock offset: -2.88 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 52.096 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 52.096 ms
Loss rate: 0.07%
```

Run 8: Report of KohoCC — Data Link

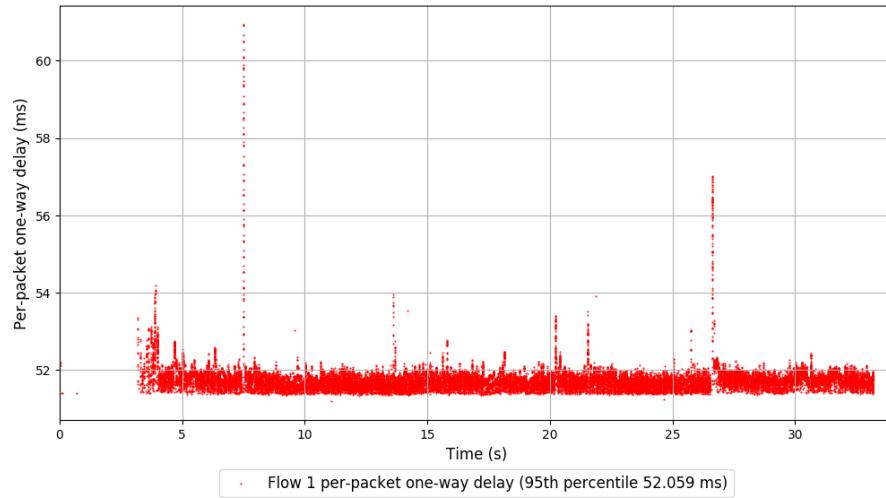
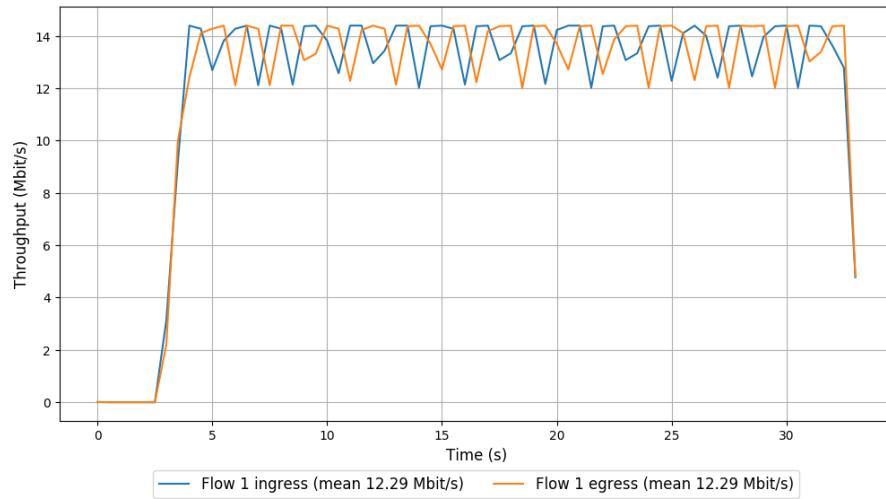


Run 9: Statistics of KohoCC

```
Start at: Tue, 04 Jul 2017 04:27:02 +0000
End at: Tue, 04 Jul 2017 04:27:32 +0000
Local clock offset: 0.247 ms
Remote clock offset: -4.621 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 52.059 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 52.059 ms
Loss rate: 0.00%
```

Run 9: Report of KohoCC — Data Link

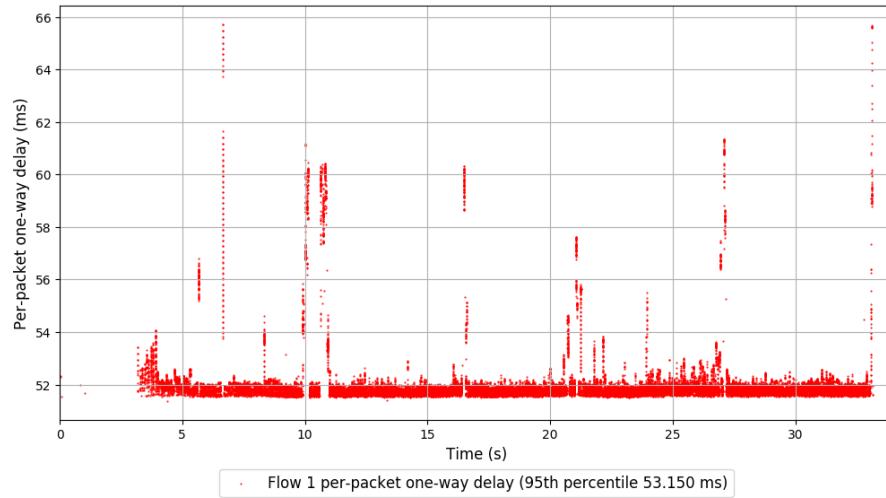
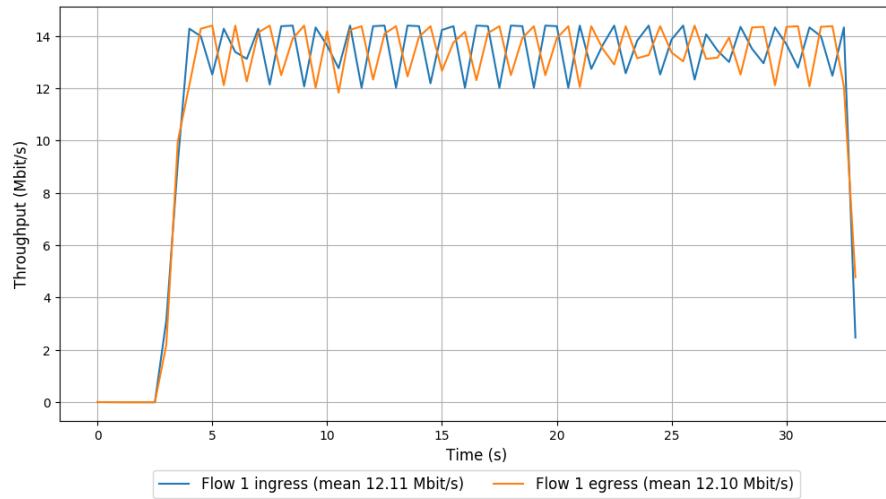


Run 10: Statistics of KohoCC

```
Start at: Tue, 04 Jul 2017 04:46:39 +0000
End at: Tue, 04 Jul 2017 04:47:09 +0000
Local clock offset: 0.474 ms
Remote clock offset: -4.55 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 53.150 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 12.10 Mbit/s
95th percentile per-packet one-way delay: 53.150 ms
Loss rate: 0.11%
```

Run 10: Report of KohoCC — Data Link

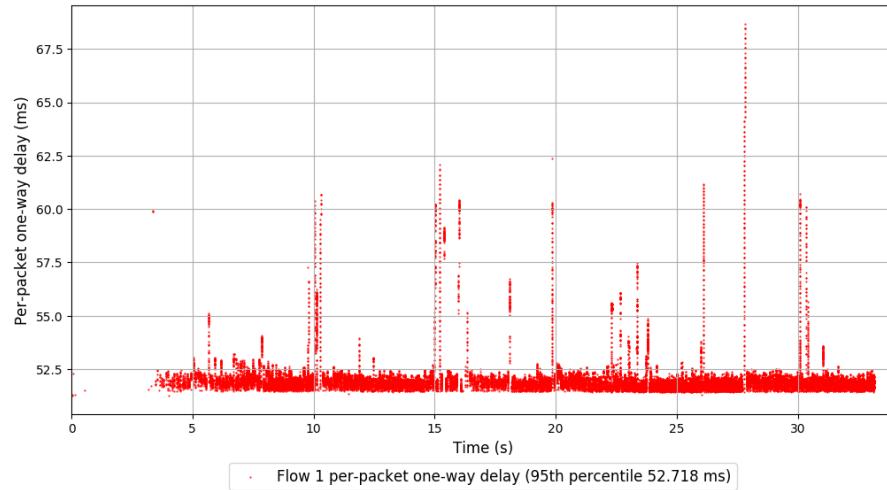
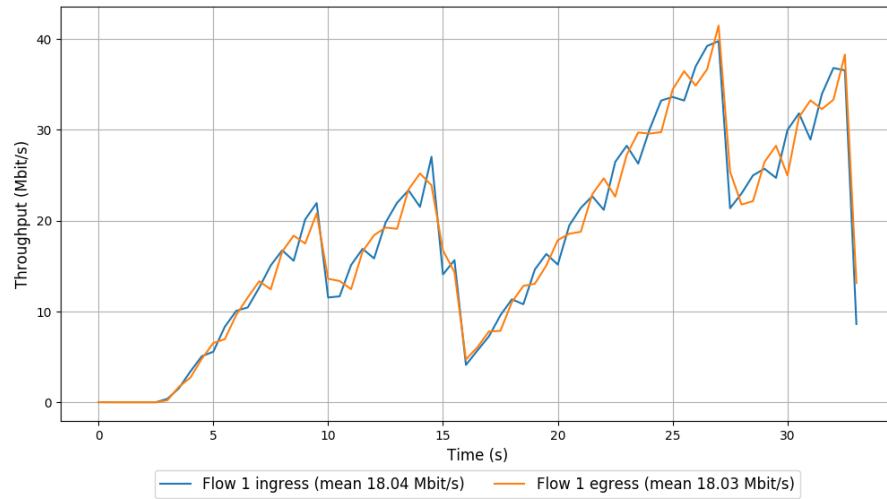


Run 1: Statistics of LEDBAT

```
Start at: Tue, 04 Jul 2017 01:48:57 +0000
End at: Tue, 04 Jul 2017 01:49:27 +0000
Local clock offset: 0.536 ms
Remote clock offset: -4.404 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.03 Mbit/s
95th percentile per-packet one-way delay: 52.718 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 18.03 Mbit/s
95th percentile per-packet one-way delay: 52.718 ms
Loss rate: 0.03%
```

Run 1: Report of LEDBAT — Data Link

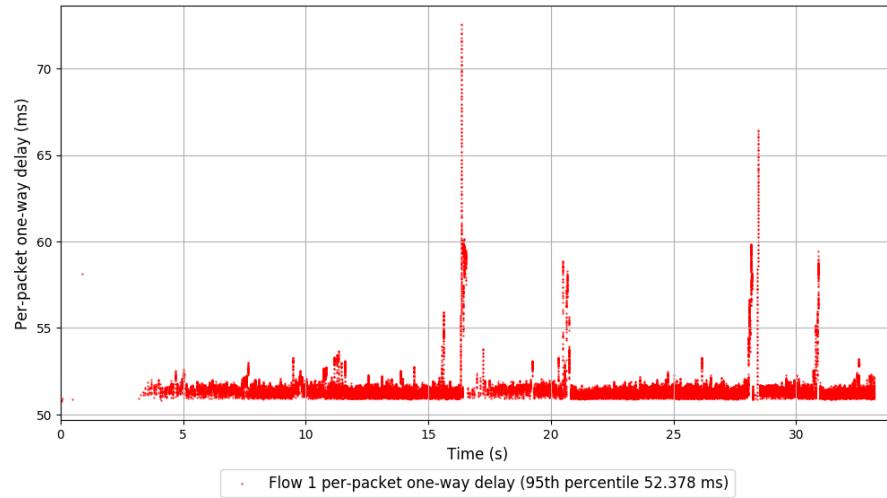
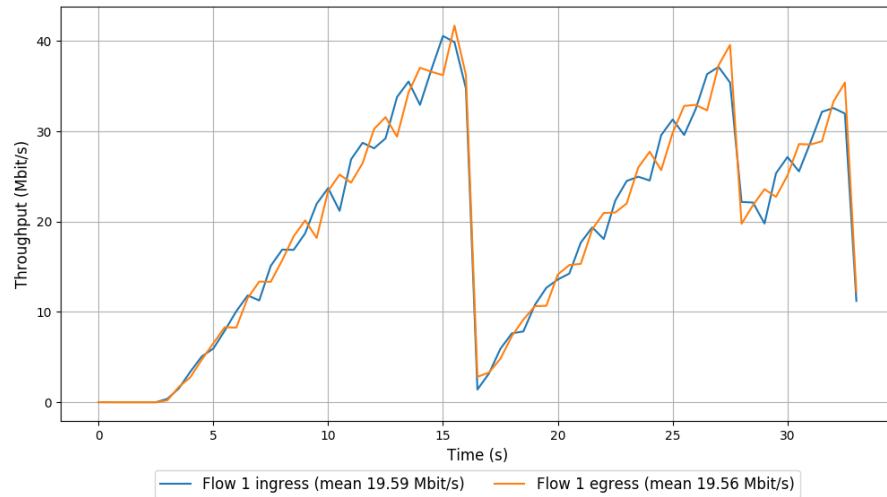


Run 2: Statistics of LEDBAT

```
Start at: Tue, 04 Jul 2017 02:08:30 +0000
End at: Tue, 04 Jul 2017 02:09:00 +0000
Local clock offset: 0.344 ms
Remote clock offset: -4.443 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.56 Mbit/s
95th percentile per-packet one-way delay: 52.378 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 19.56 Mbit/s
95th percentile per-packet one-way delay: 52.378 ms
Loss rate: 0.14%
```

Run 2: Report of LEDBAT — Data Link

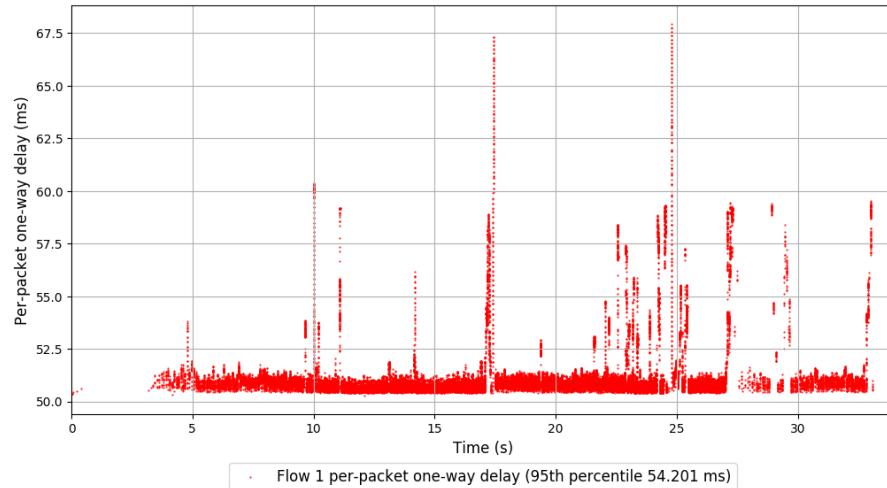
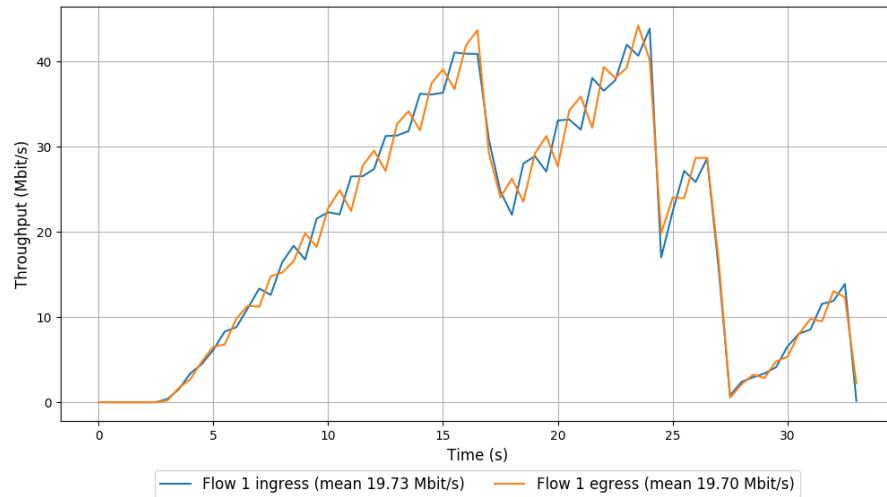


Run 3: Statistics of LEDBAT

```
Start at: Tue, 04 Jul 2017 02:28:04 +0000
End at: Tue, 04 Jul 2017 02:28:34 +0000
Local clock offset: -0.067 ms
Remote clock offset: -1.402 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 54.201 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 19.70 Mbit/s
95th percentile per-packet one-way delay: 54.201 ms
Loss rate: 0.11%
```

Run 3: Report of LEDBAT — Data Link

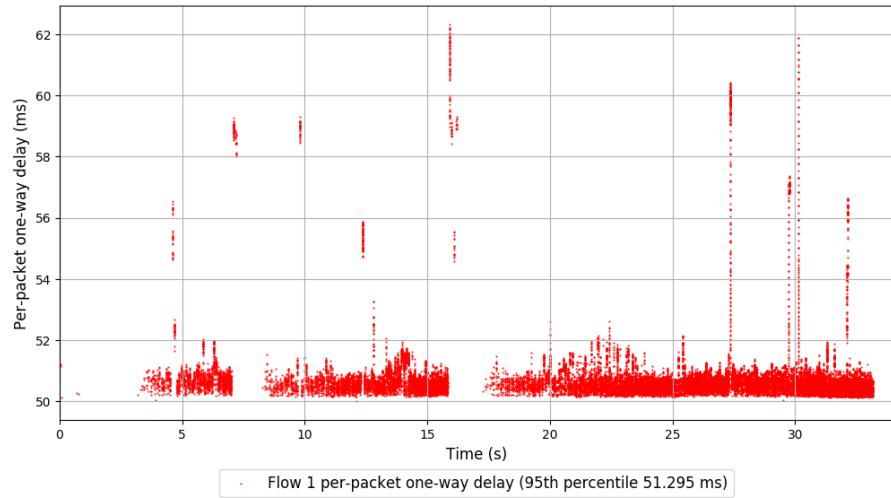
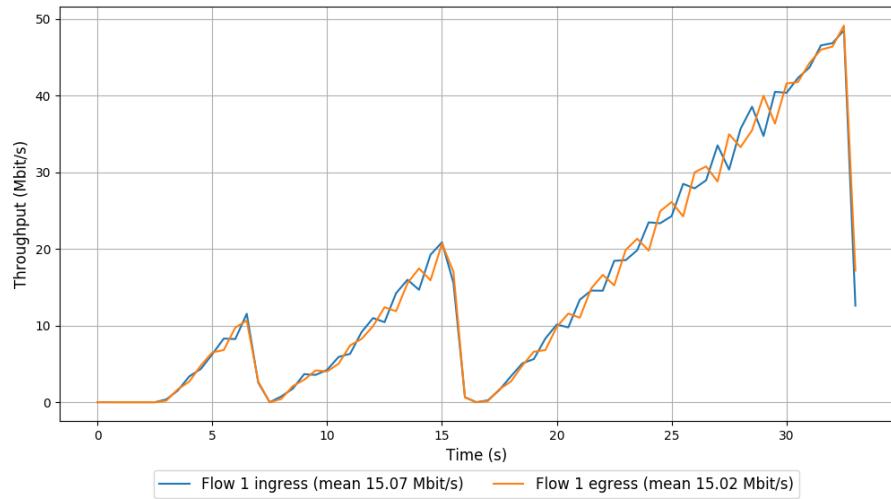


Run 4: Statistics of LEDBAT

```
Start at: Tue, 04 Jul 2017 02:47:43 +0000
End at: Tue, 04 Jul 2017 02:48:13 +0000
Local clock offset: -0.279 ms
Remote clock offset: -2.221 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 51.295 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 15.02 Mbit/s
95th percentile per-packet one-way delay: 51.295 ms
Loss rate: 0.30%
```

Run 4: Report of LEDBAT — Data Link

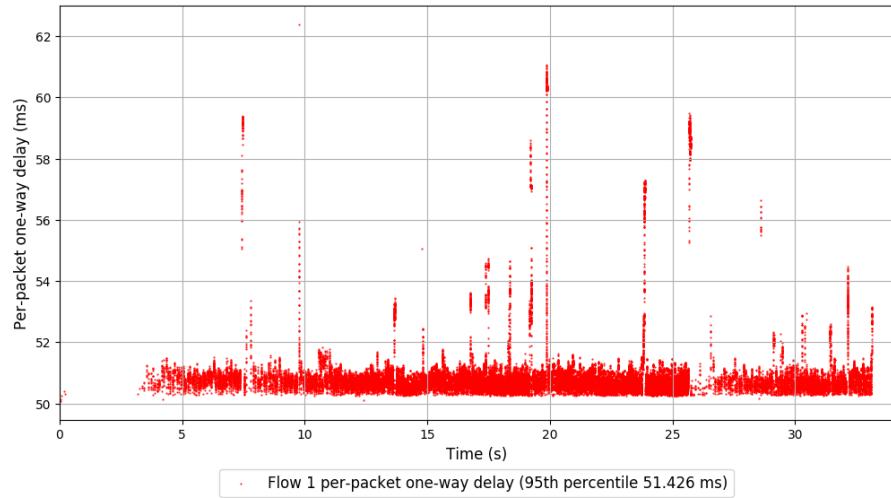
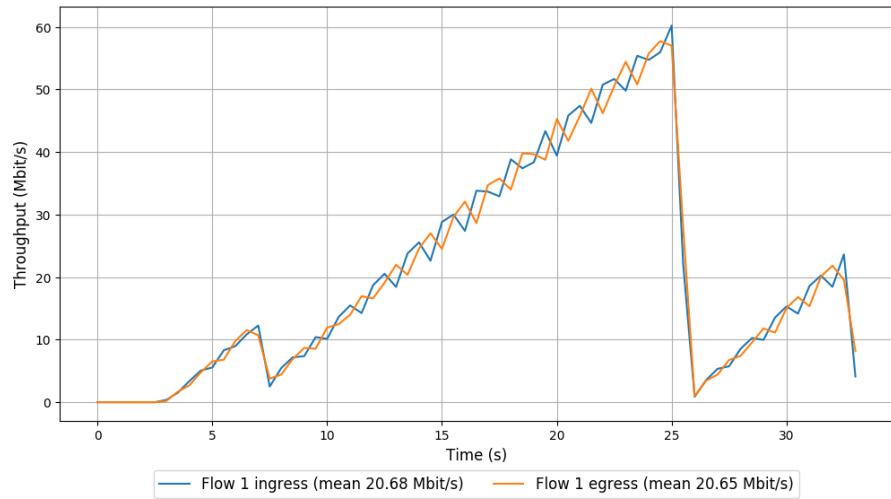


Run 5: Statistics of LEDBAT

```
Start at: Tue, 04 Jul 2017 03:07:20 +0000
End at: Tue, 04 Jul 2017 03:07:50 +0000
Local clock offset: -0.371 ms
Remote clock offset: -1.627 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.65 Mbit/s
95th percentile per-packet one-way delay: 51.426 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 20.65 Mbit/s
95th percentile per-packet one-way delay: 51.426 ms
Loss rate: 0.13%
```

Run 5: Report of LEDBAT — Data Link

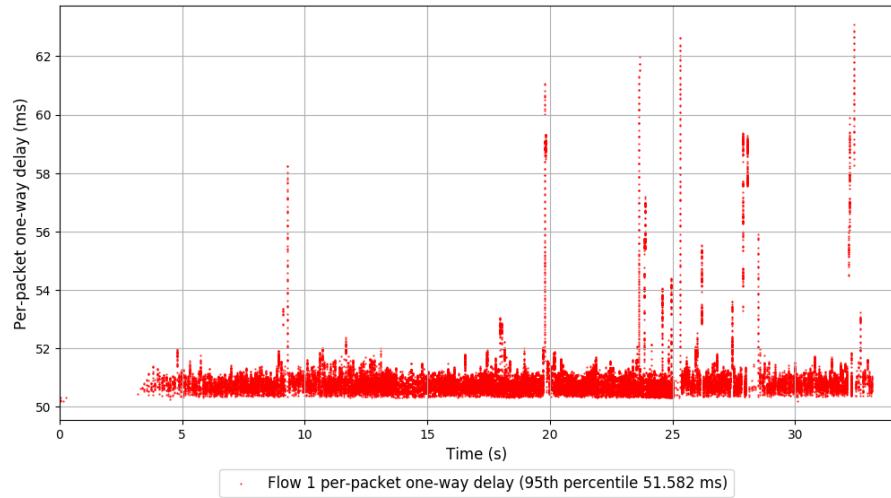
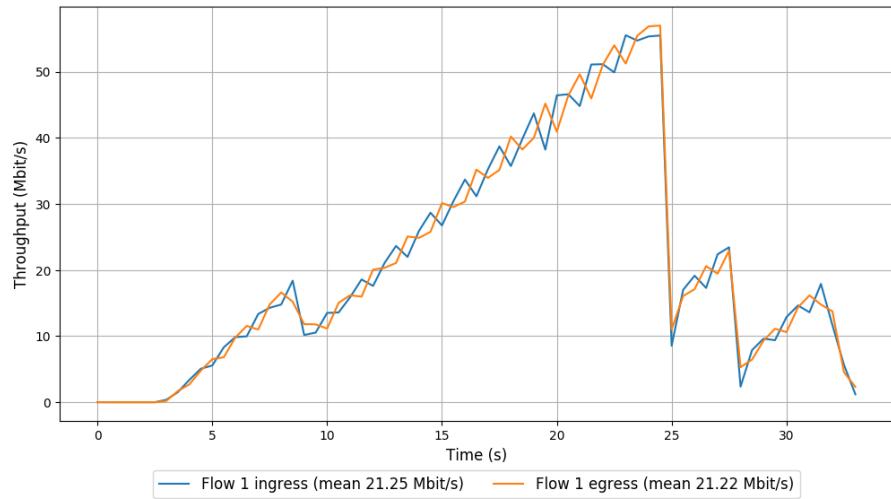


Run 6: Statistics of LEDBAT

```
Start at: Tue, 04 Jul 2017 03:26:53 +0000
End at: Tue, 04 Jul 2017 03:27:23 +0000
Local clock offset: -0.426 ms
Remote clock offset: -2.051 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:41:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 51.582 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 21.22 Mbit/s
95th percentile per-packet one-way delay: 51.582 ms
Loss rate: 0.14%
```

Run 6: Report of LEDBAT — Data Link

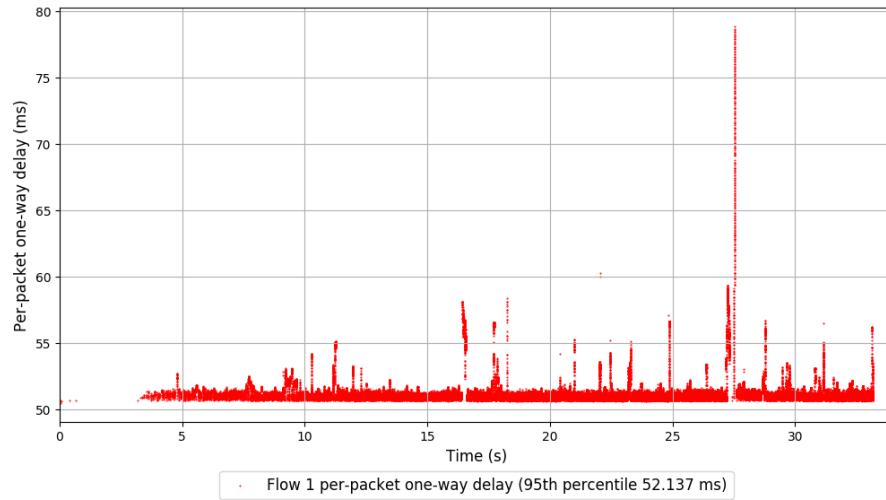
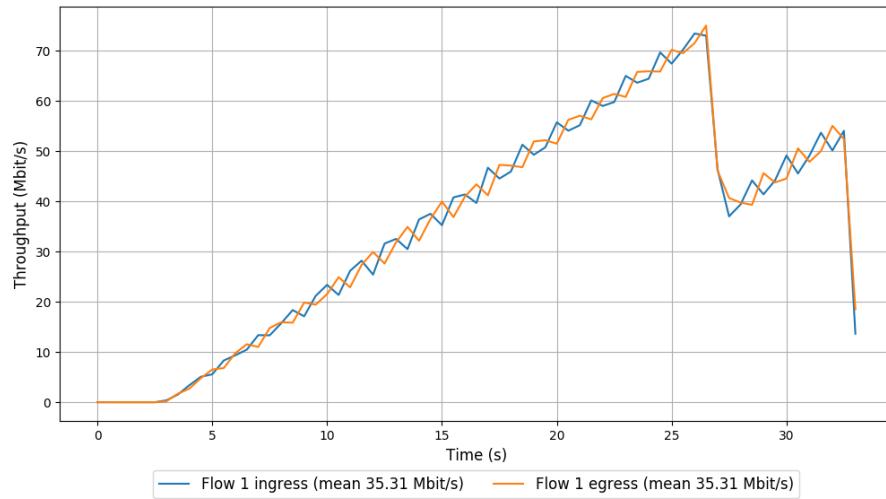


Run 7: Statistics of LEDBAT

```
Start at: Tue, 04 Jul 2017 03:46:21 +0000
End at: Tue, 04 Jul 2017 03:46:51 +0000
Local clock offset: -0.413 ms
Remote clock offset: -4.518 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 52.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.31 Mbit/s
95th percentile per-packet one-way delay: 52.137 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

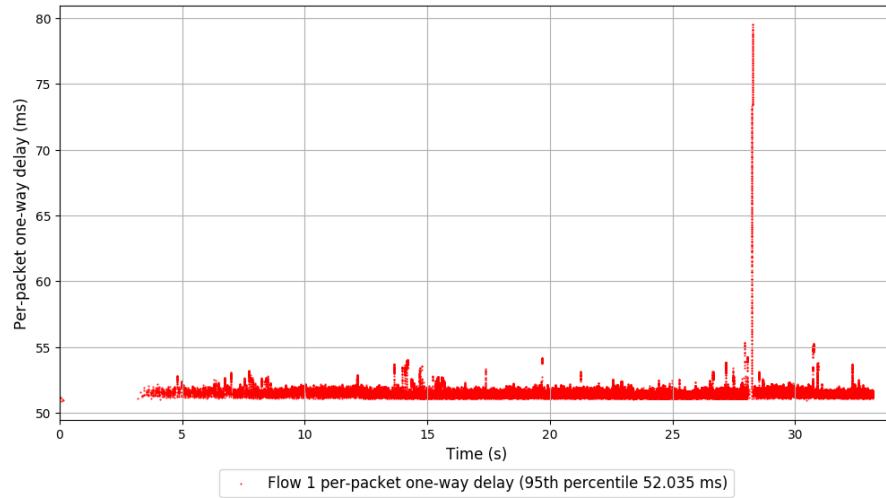
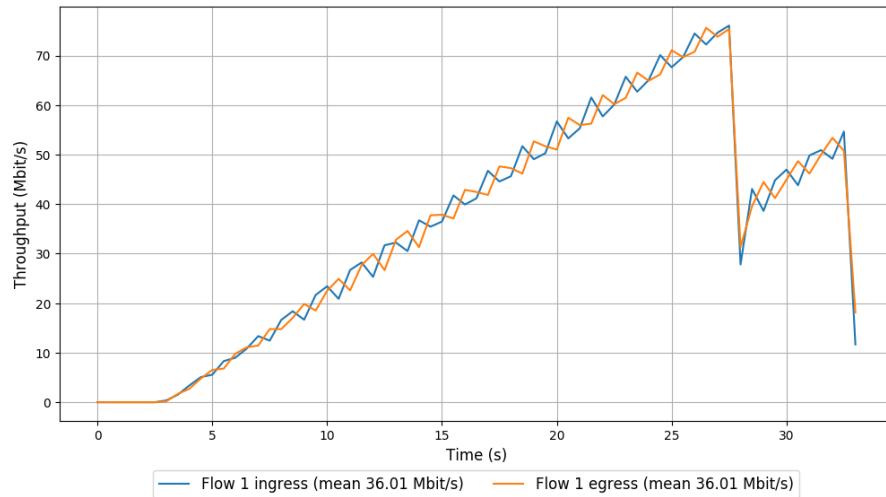


Run 8: Statistics of LEDBAT

```
Start at: Tue, 04 Jul 2017 04:05:58 +0000
End at: Tue, 04 Jul 2017 04:06:28 +0000
Local clock offset: 0.011 ms
Remote clock offset: -2.153 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 52.035 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 52.035 ms
Loss rate: 0.02%
```

Run 8: Report of LEDBAT — Data Link

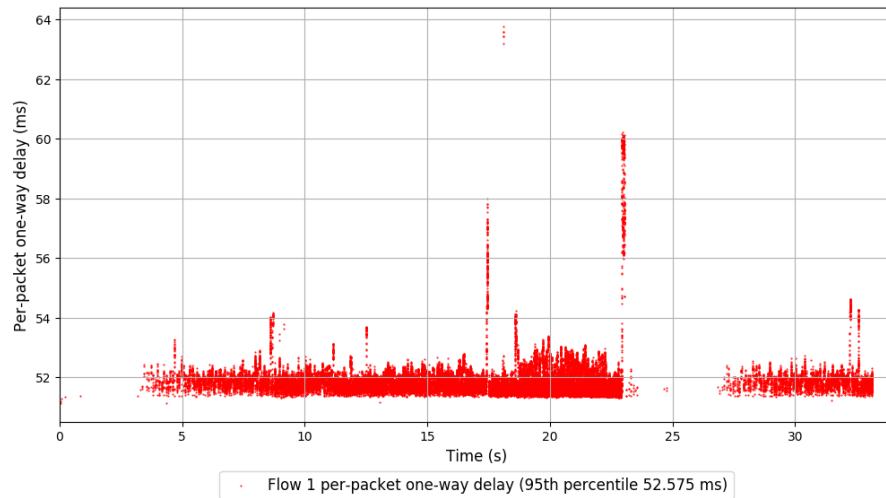
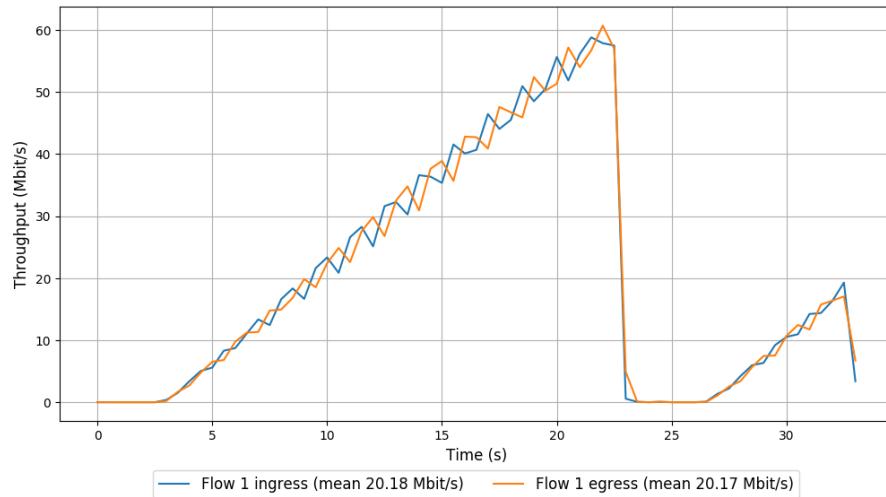


Run 9: Statistics of LEDBAT

```
Start at: Tue, 04 Jul 2017 04:25:45 +0000
End at: Tue, 04 Jul 2017 04:26:15 +0000
Local clock offset: 0.178 ms
Remote clock offset: -2.114 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 52.575 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 20.17 Mbit/s
95th percentile per-packet one-way delay: 52.575 ms
Loss rate: 0.06%
```

Run 9: Report of LEDBAT — Data Link

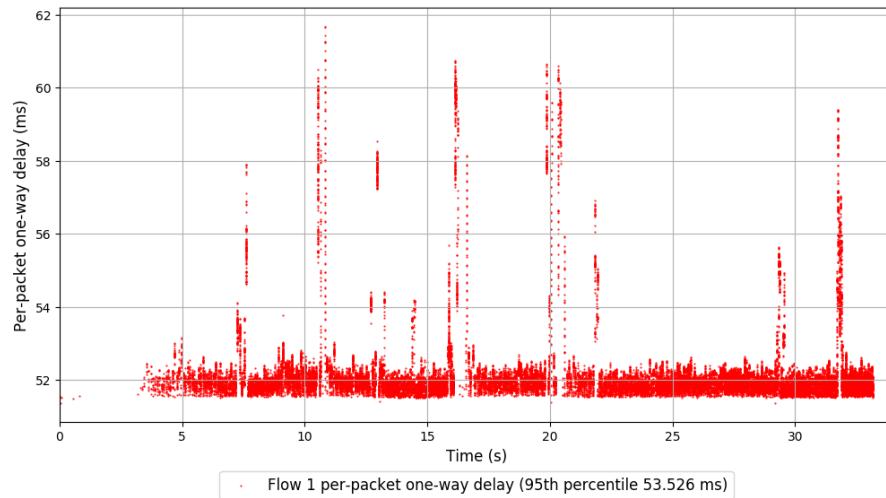
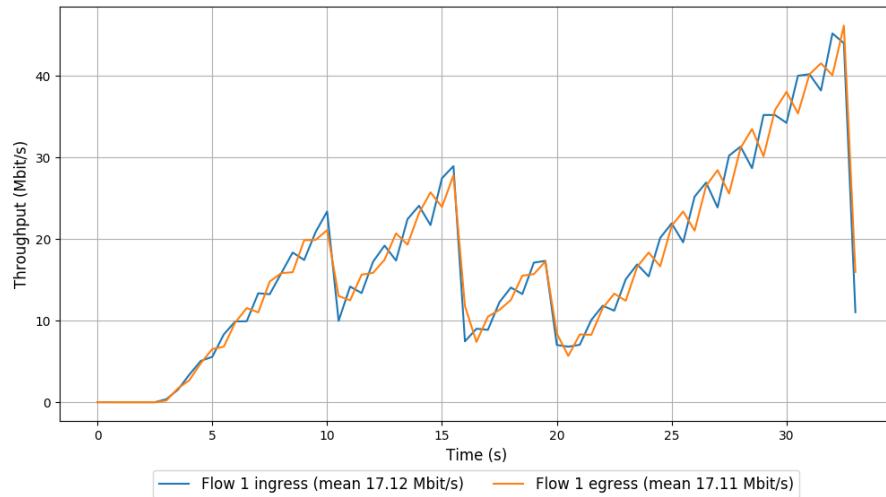


Run 10: Statistics of LEDBAT

```
Start at: Tue, 04 Jul 2017 04:45:22 +0000
End at: Tue, 04 Jul 2017 04:45:52 +0000
Local clock offset: 0.438 ms
Remote clock offset: -2.133 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.11 Mbit/s
95th percentile per-packet one-way delay: 53.526 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 17.11 Mbit/s
95th percentile per-packet one-way delay: 53.526 ms
Loss rate: 0.06%
```

Run 10: Report of LEDBAT — Data Link

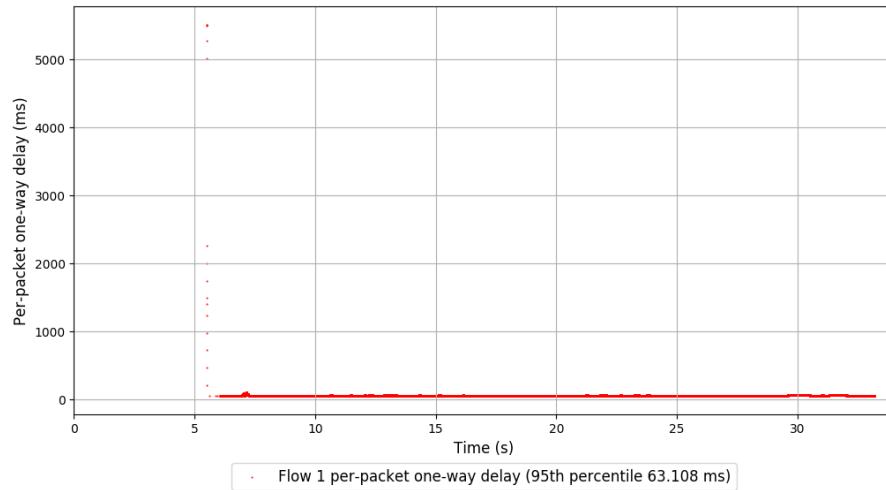
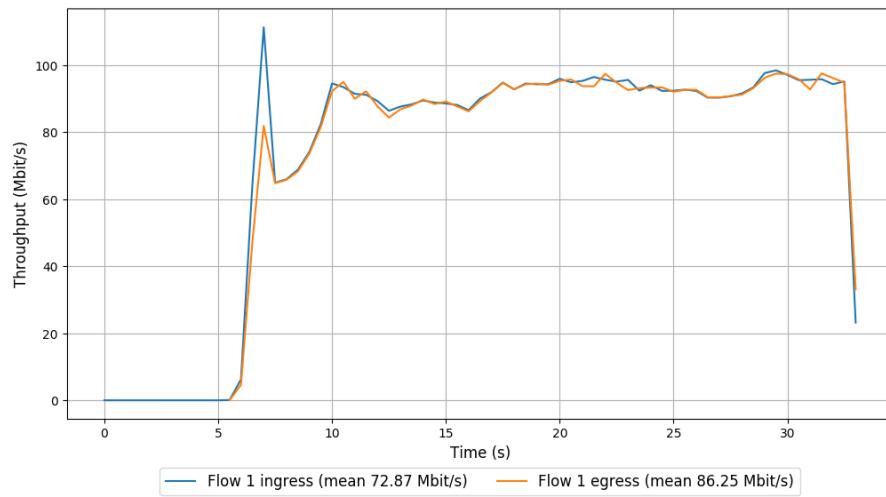


Run 1: Statistics of PCC

```
Start at: Tue, 04 Jul 2017 01:43:39 +0000
End at: Tue, 04 Jul 2017 01:44:09 +0000
Local clock offset: 0.531 ms
Remote clock offset: -1.993 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 63.108 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 86.25 Mbit/s
95th percentile per-packet one-way delay: 63.108 ms
Loss rate: 1.12%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Tue, 04 Jul 2017 02:03:17 +0000
End at: Tue, 04 Jul 2017 02:03:47 +0000
Local clock offset: 0.377 ms
Remote clock offset: -2.502 ms

Run 2: Report of PCC — Data Link

Figure is missing

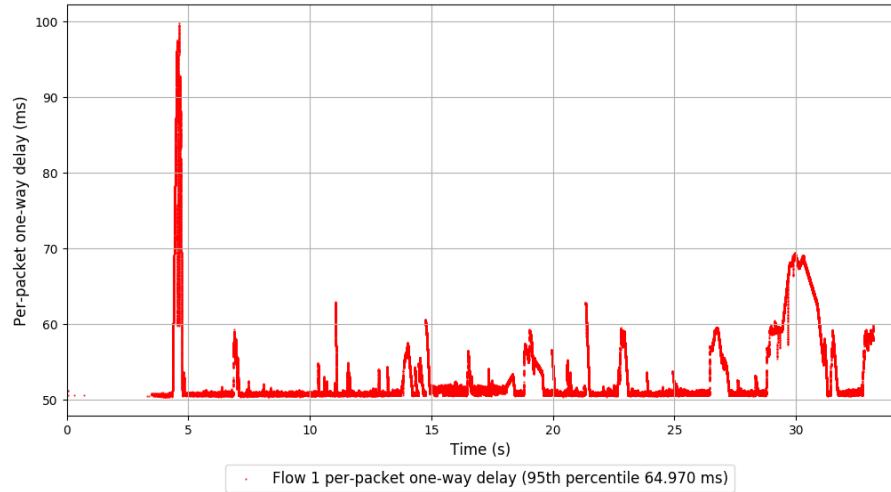
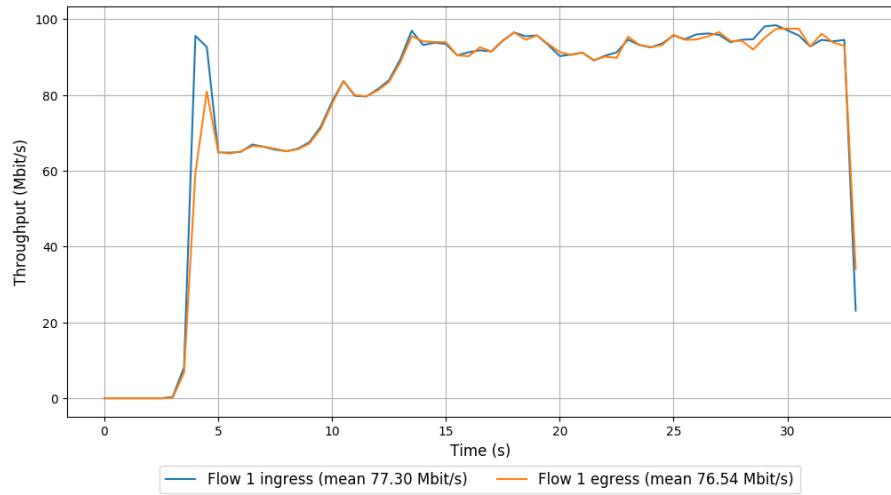
Figure is missing

Run 3: Statistics of PCC

```
Start at: Tue, 04 Jul 2017 02:22:48 +0000
End at: Tue, 04 Jul 2017 02:23:18 +0000
Local clock offset: 0.014 ms
Remote clock offset: -1.411 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.54 Mbit/s
95th percentile per-packet one-way delay: 64.970 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 76.54 Mbit/s
95th percentile per-packet one-way delay: 64.970 ms
Loss rate: 0.95%
```

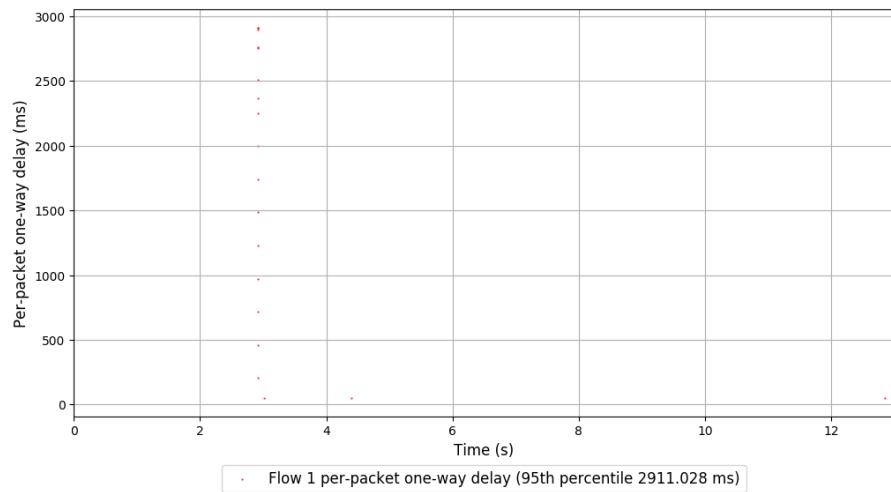
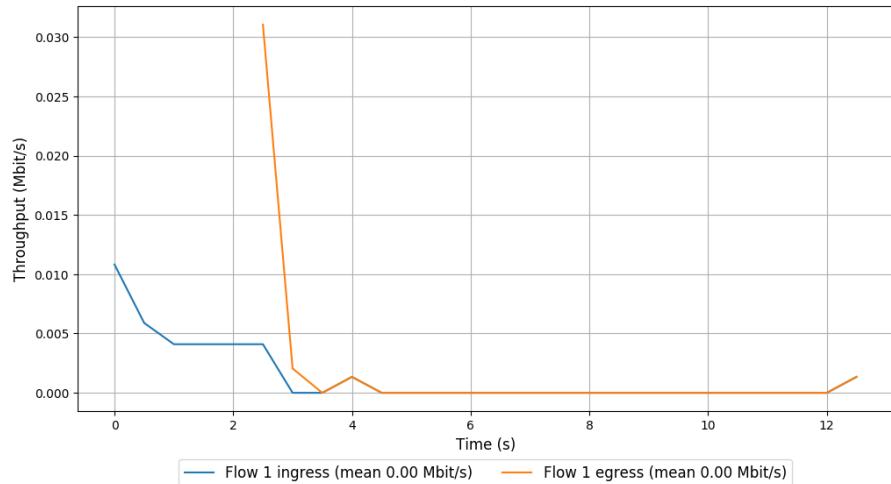
Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 04 Jul 2017 02:42:25 +0000
End at: Tue, 04 Jul 2017 02:42:55 +0000
Local clock offset: -0.153 ms
Remote clock offset: -3.833 ms

Run 4: Report of PCC — Data Link

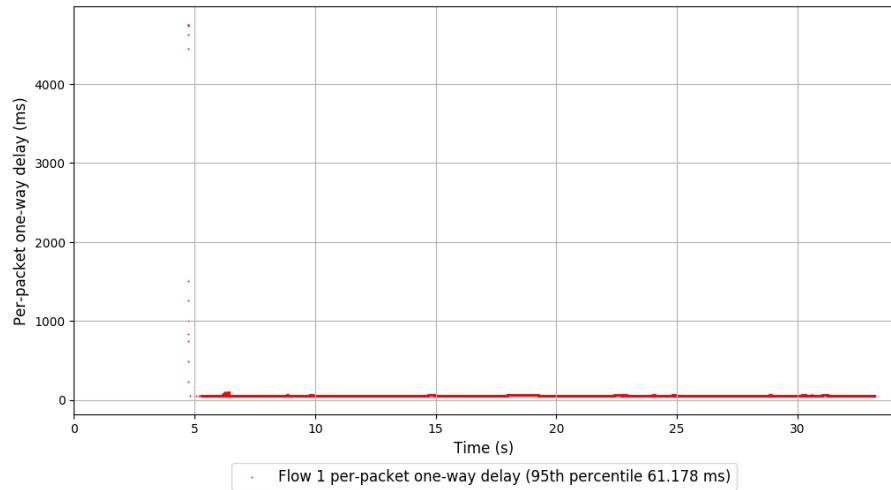
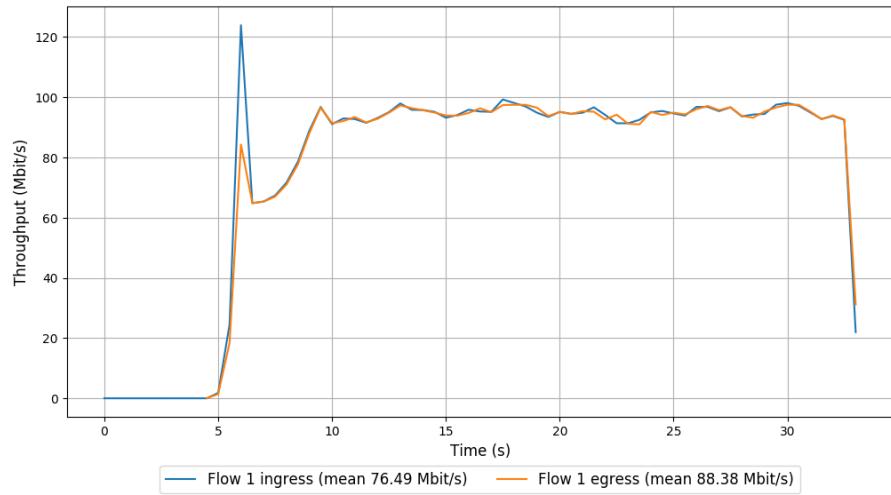


Run 5: Statistics of PCC

```
Start at: Tue, 04 Jul 2017 03:02:01 +0000
End at: Tue, 04 Jul 2017 03:02:31 +0000
Local clock offset: -0.285 ms
Remote clock offset: -1.473 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.38 Mbit/s
95th percentile per-packet one-way delay: 61.178 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 88.38 Mbit/s
95th percentile per-packet one-way delay: 61.178 ms
Loss rate: 0.84%
```

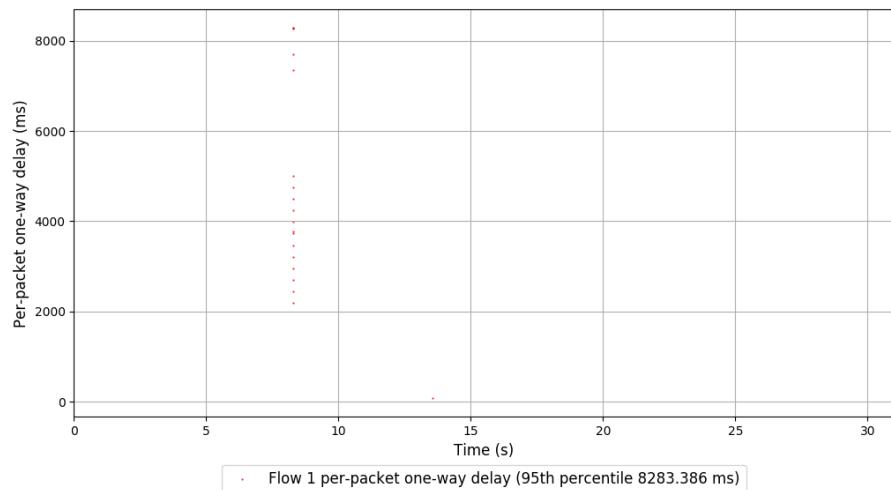
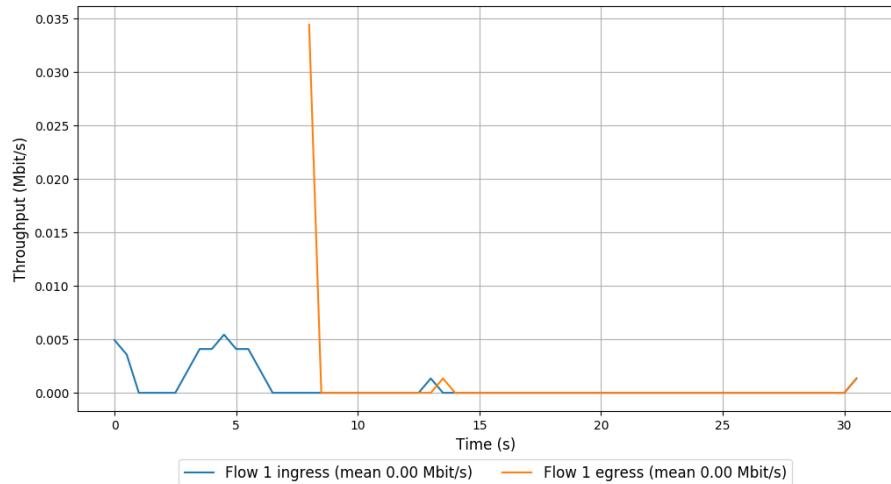
Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Tue, 04 Jul 2017 03:21:39 +0000
End at: Tue, 04 Jul 2017 03:22:09 +0000
Local clock offset: -0.371 ms
Remote clock offset: -2.109 ms

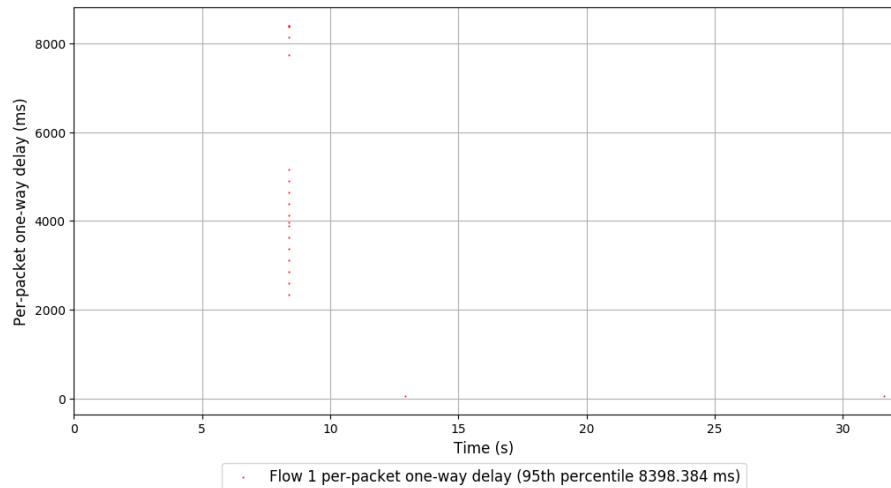
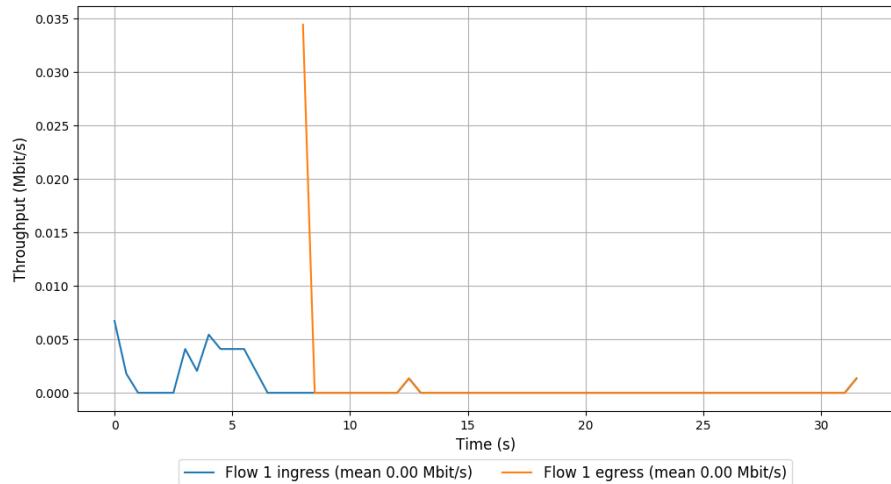
Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Tue, 04 Jul 2017 03:41:10 +0000
End at: Tue, 04 Jul 2017 03:41:40 +0000
Local clock offset: -0.346 ms
Remote clock offset: -4.817 ms

Run 7: Report of PCC — Data Link

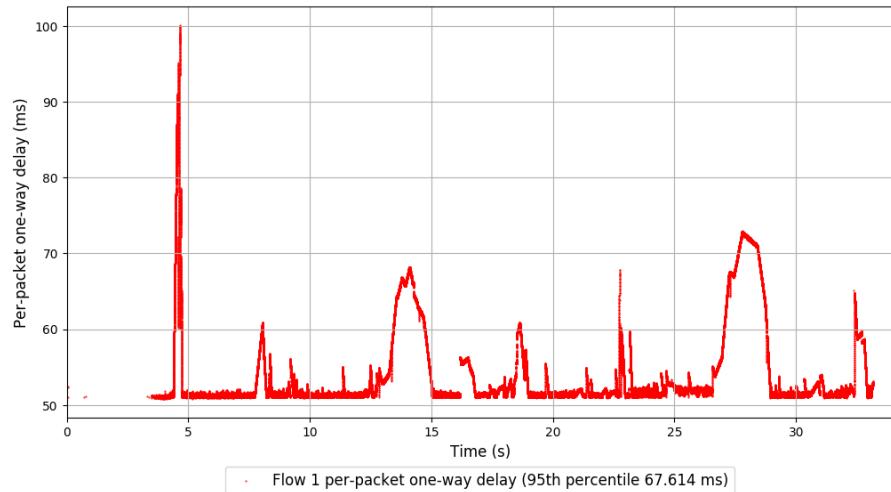
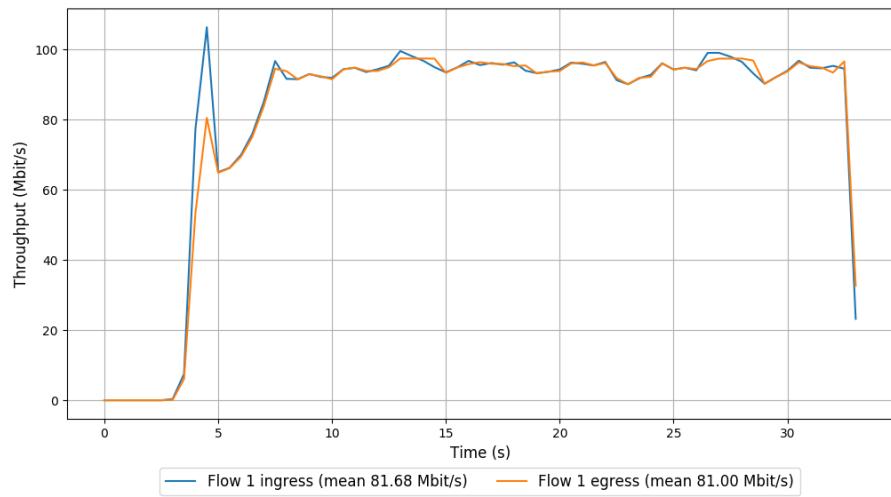


Run 8: Statistics of PCC

```
Start at: Tue, 04 Jul 2017 04:00:40 +0000
End at: Tue, 04 Jul 2017 04:01:10 +0000
Local clock offset: -0.081 ms
Remote clock offset: -4.528 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 67.614 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 81.00 Mbit/s
95th percentile per-packet one-way delay: 67.614 ms
Loss rate: 0.84%
```

Run 8: Report of PCC — Data Link

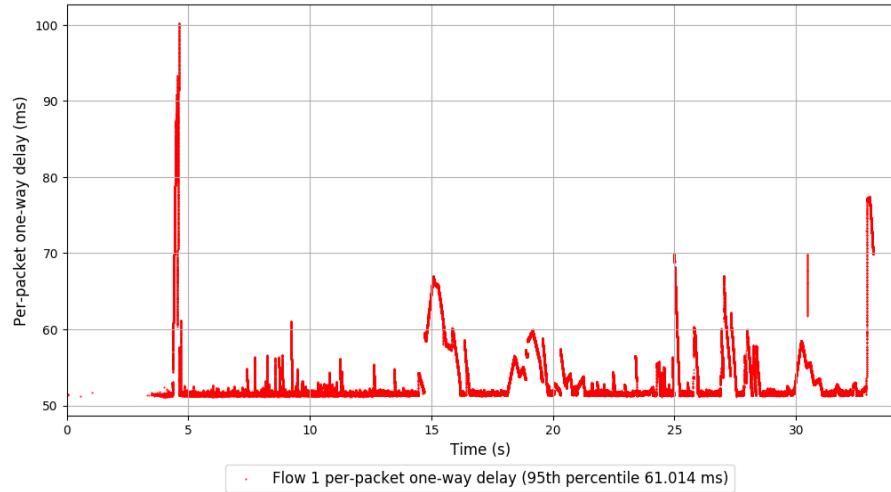
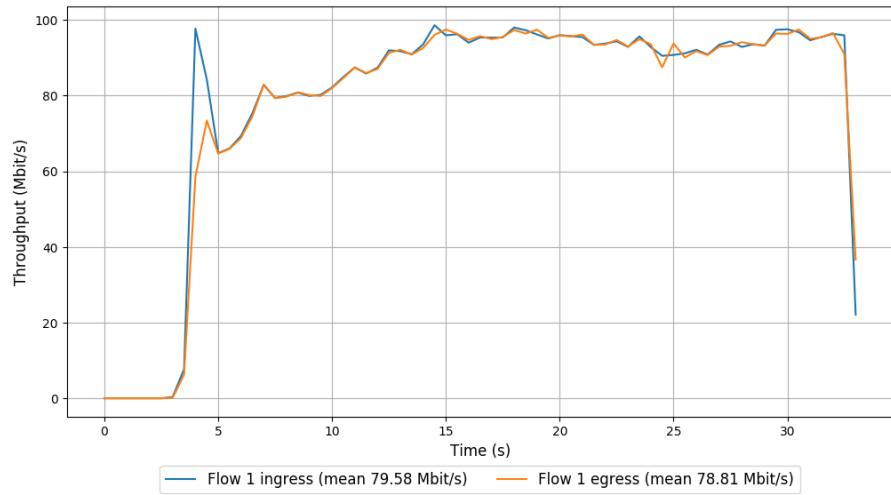


Run 9: Statistics of PCC

```
Start at: Tue, 04 Jul 2017 04:20:24 +0000
End at: Tue, 04 Jul 2017 04:20:54 +0000
Local clock offset: 0.172 ms
Remote clock offset: -2.507 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.81 Mbit/s
95th percentile per-packet one-way delay: 61.014 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 78.81 Mbit/s
95th percentile per-packet one-way delay: 61.014 ms
Loss rate: 0.92%
```

Run 9: Report of PCC — Data Link

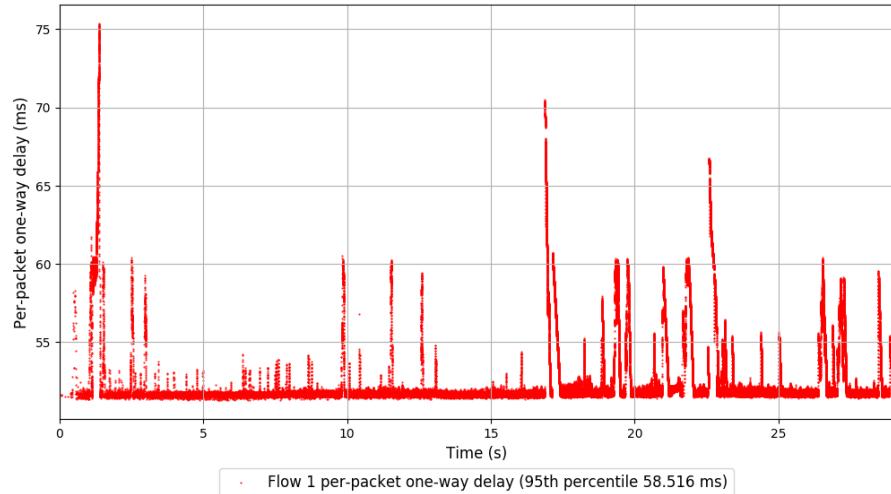
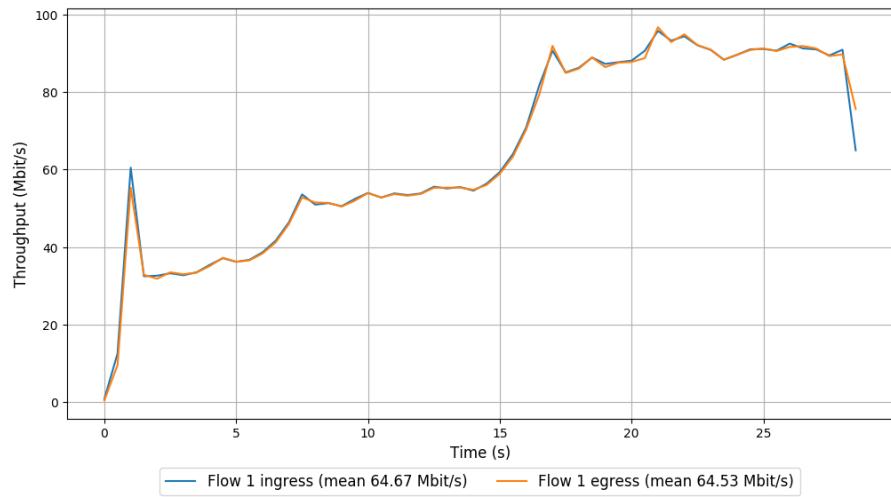


Run 10: Statistics of PCC

```
Start at: Tue, 04 Jul 2017 04:40:06 +0000
End at: Tue, 04 Jul 2017 04:40:36 +0000
Local clock offset: 0.312 ms
Remote clock offset: -4.93 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.53 Mbit/s
95th percentile per-packet one-way delay: 58.516 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 64.53 Mbit/s
95th percentile per-packet one-way delay: 58.516 ms
Loss rate: 0.20%
```

Run 10: Report of PCC — Data Link



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

```
Start at: Tue, 04 Jul 2017 01:46:22 +0000
```

```
End at: Tue, 04 Jul 2017 01:46:52 +0000
```

```
Local clock offset: 0.527 ms
```

```
Remote clock offset: -2.387 ms
```

```
# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:43 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 14.53 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.474 ms
```

```
Loss rate: 0.23%
```

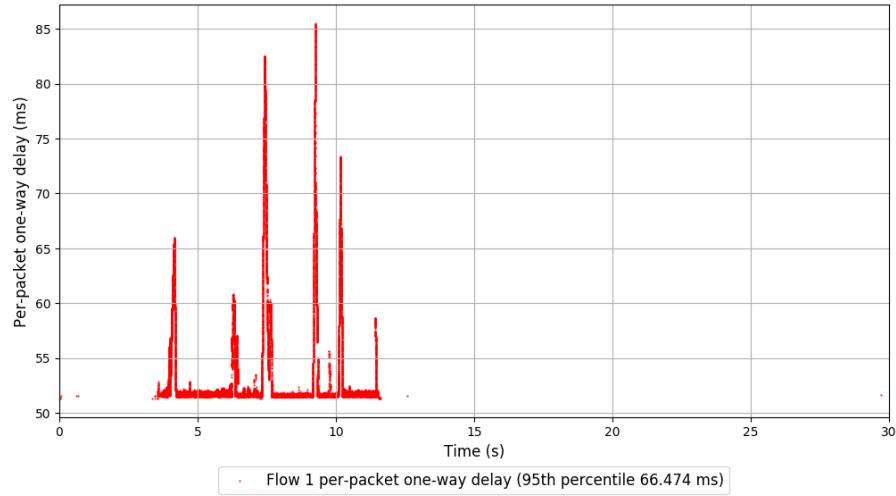
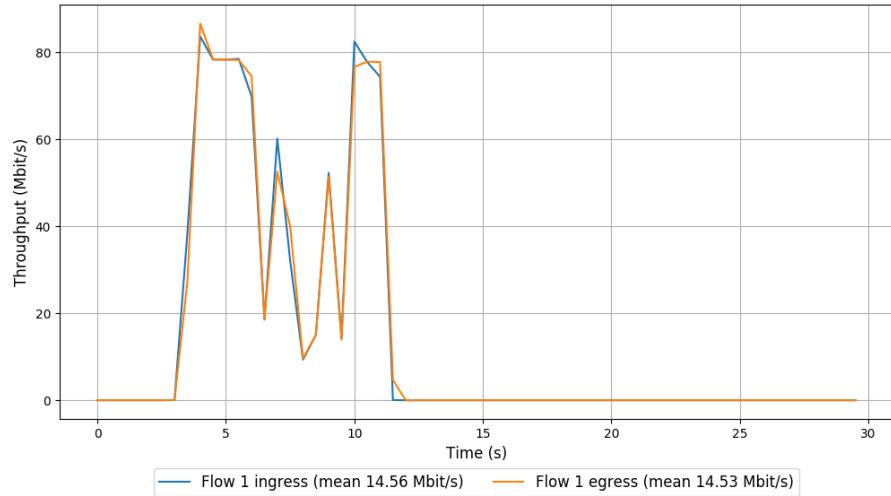
```
-- Flow 1:
```

```
Average throughput: 14.53 Mbit/s
```

```
95th percentile per-packet one-way delay: 66.474 ms
```

```
Loss rate: 0.23%
```

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

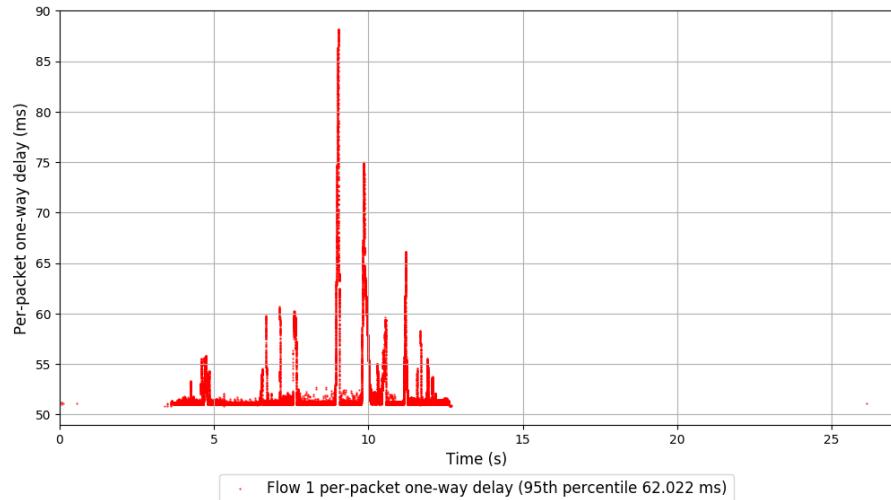
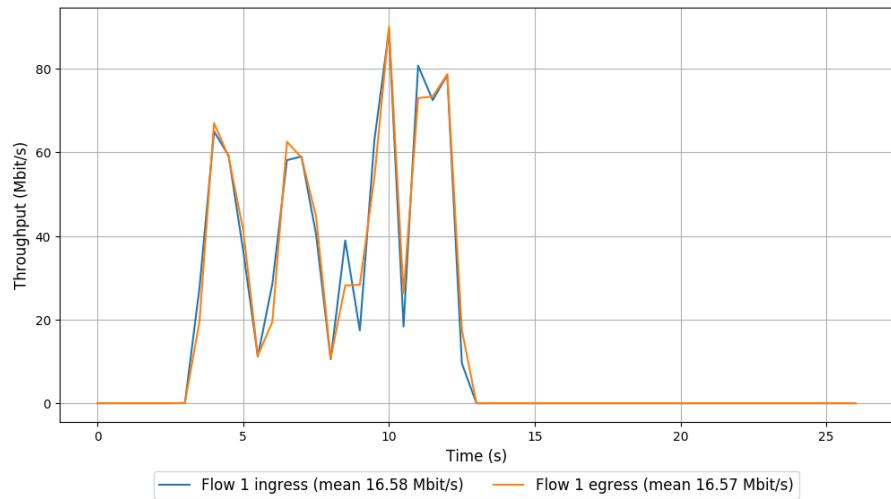


Run 2: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 04 Jul 2017 02:05:56 +0000
End at: Tue, 04 Jul 2017 02:06:26 +0000
Local clock offset: 0.278 ms
Remote clock offset: -2.177 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 62.022 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 62.022 ms
Loss rate: 0.04%
```

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

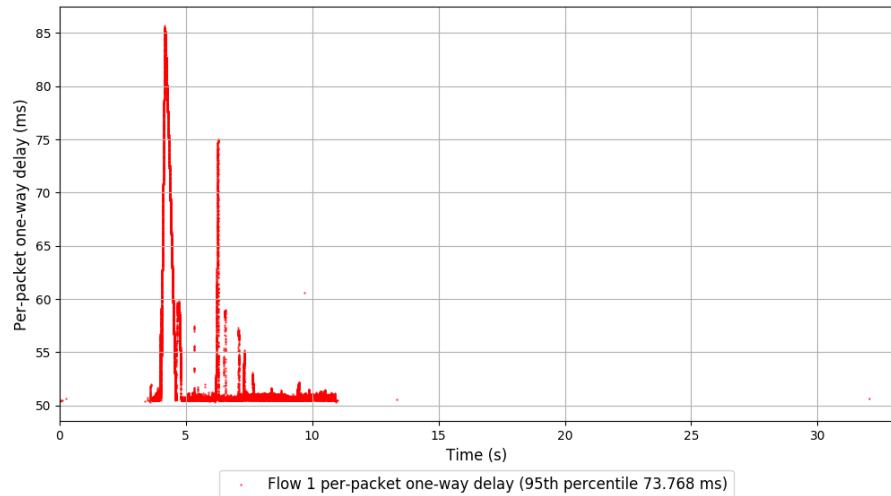
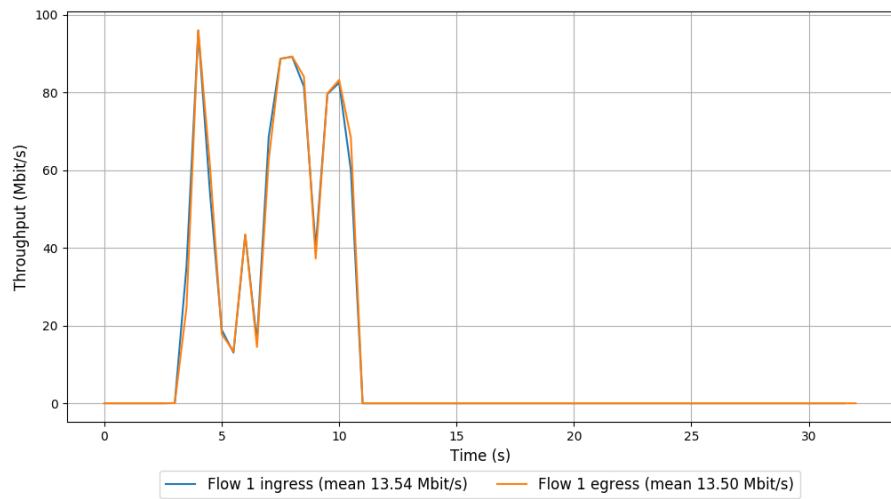


Run 3: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 04 Jul 2017 02:25:31 +0000
End at: Tue, 04 Jul 2017 02:26:01 +0000
Local clock offset: -0.014 ms
Remote clock offset: -1.955 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 73.768 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 13.50 Mbit/s
95th percentile per-packet one-way delay: 73.768 ms
Loss rate: 0.30%
```

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

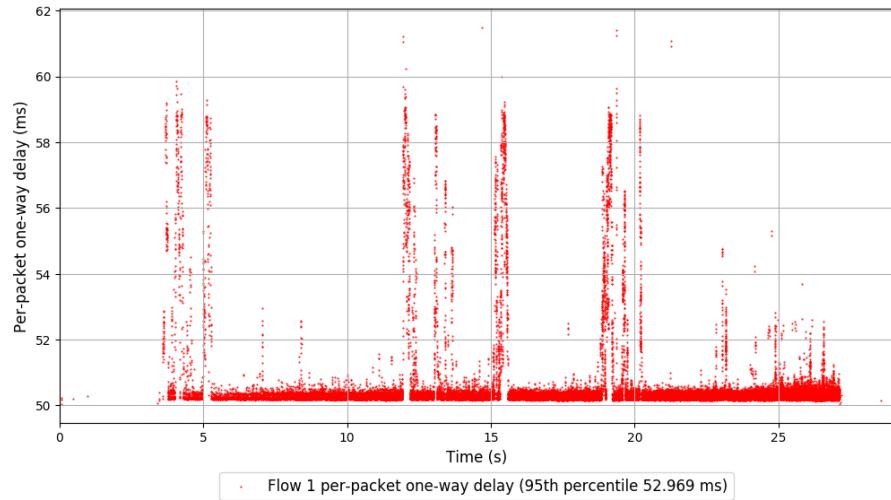
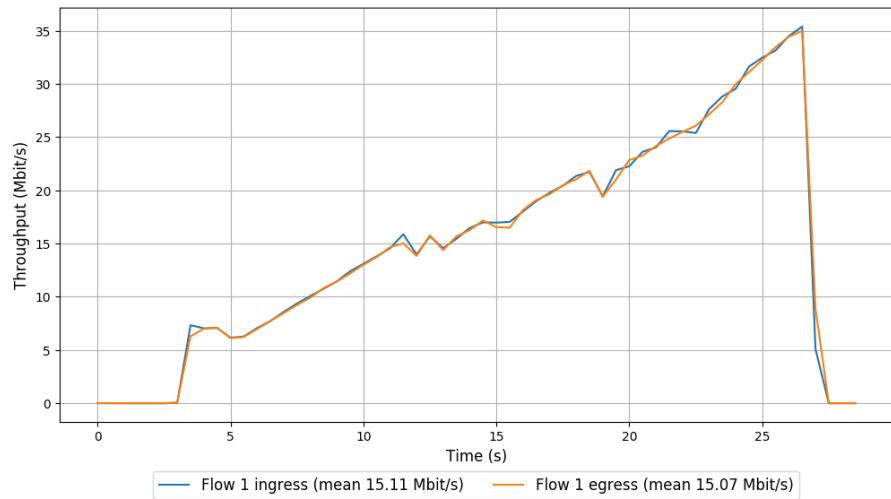


Run 4: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 04 Jul 2017 02:45:05 +0000
End at: Tue, 04 Jul 2017 02:45:35 +0000
Local clock offset: -0.268 ms
Remote clock offset: -4.337 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.07 Mbit/s
95th percentile per-packet one-way delay: 52.969 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 15.07 Mbit/s
95th percentile per-packet one-way delay: 52.969 ms
Loss rate: 0.24%
```

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

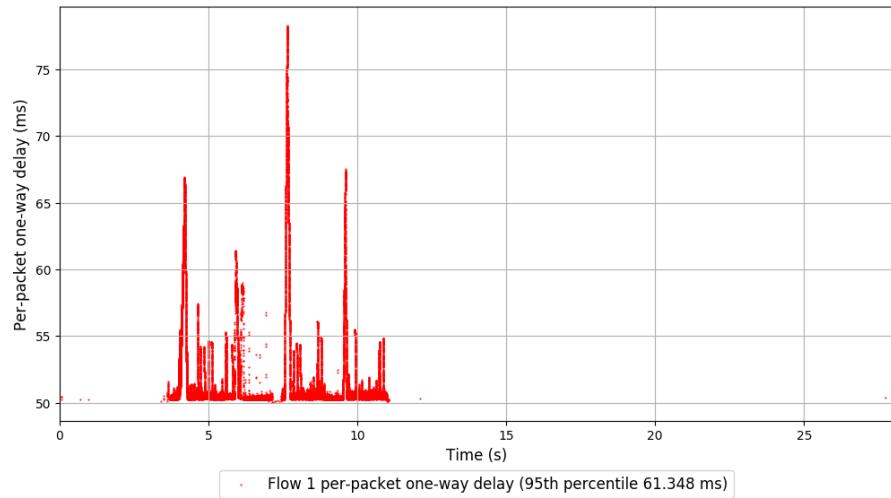
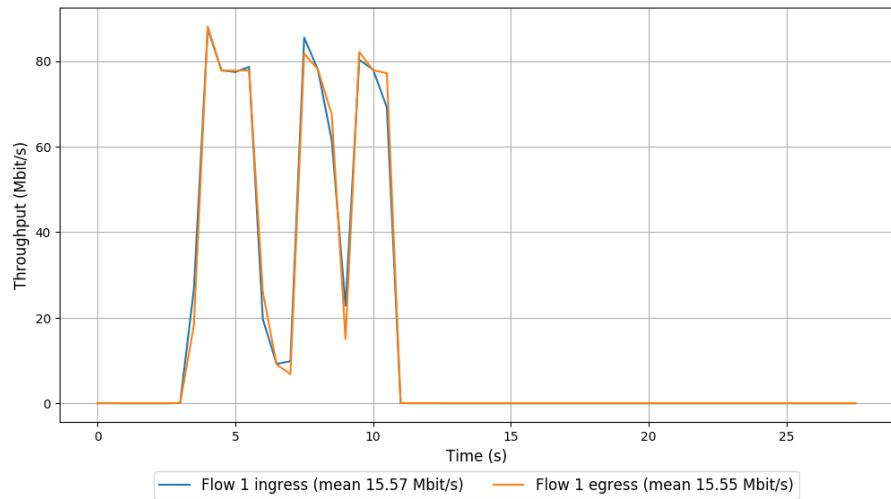


Run 5: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 04 Jul 2017 03:04:45 +0000
End at: Tue, 04 Jul 2017 03:05:15 +0000
Local clock offset: -0.376 ms
Remote clock offset: -4.006 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 61.348 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 61.348 ms
Loss rate: 0.14%
```

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

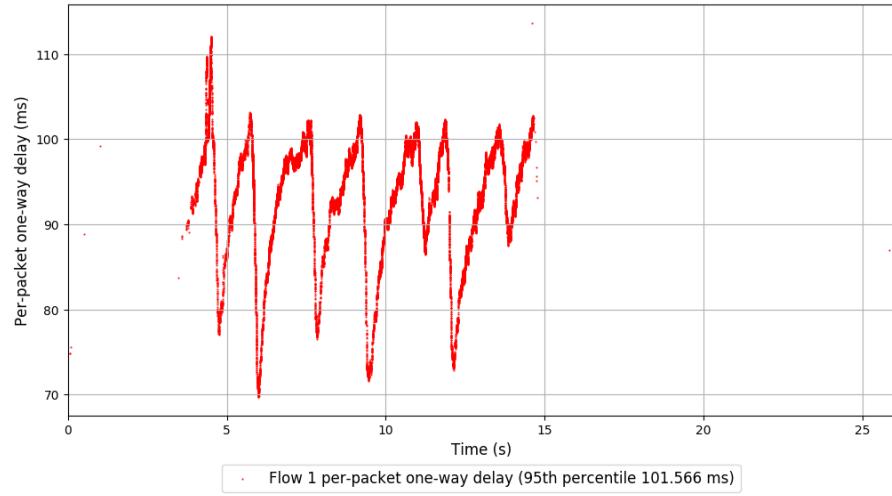
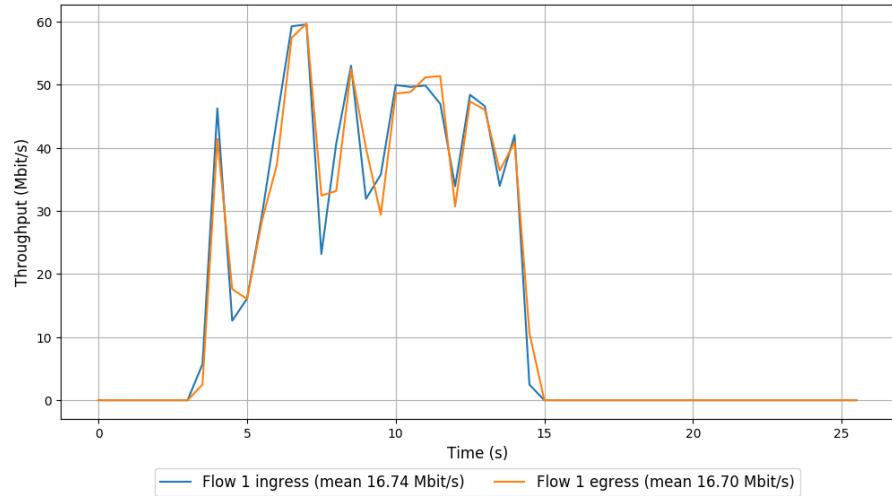


Run 6: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 04 Jul 2017 03:24:19 +0000
End at: Tue, 04 Jul 2017 03:24:49 +0000
Local clock offset: -0.414 ms
Remote clock offset: -2.224 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.70 Mbit/s
95th percentile per-packet one-way delay: 101.566 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 16.70 Mbit/s
95th percentile per-packet one-way delay: 101.566 ms
Loss rate: 0.21%
```

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

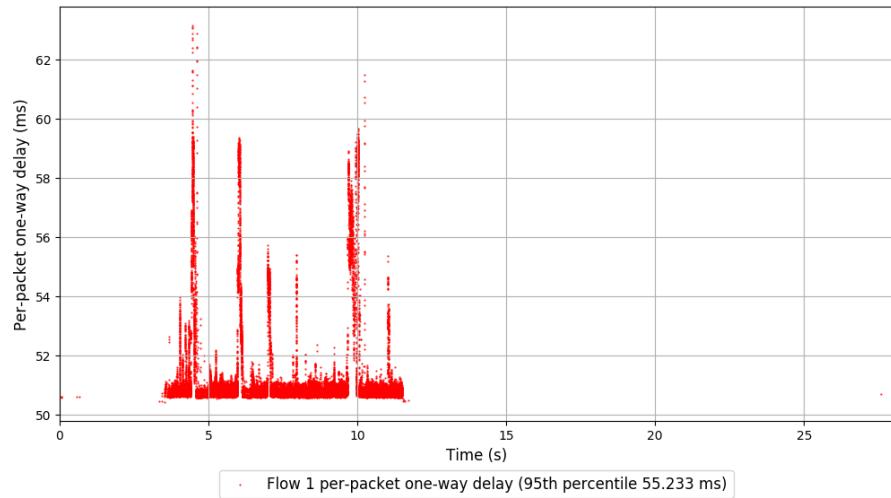
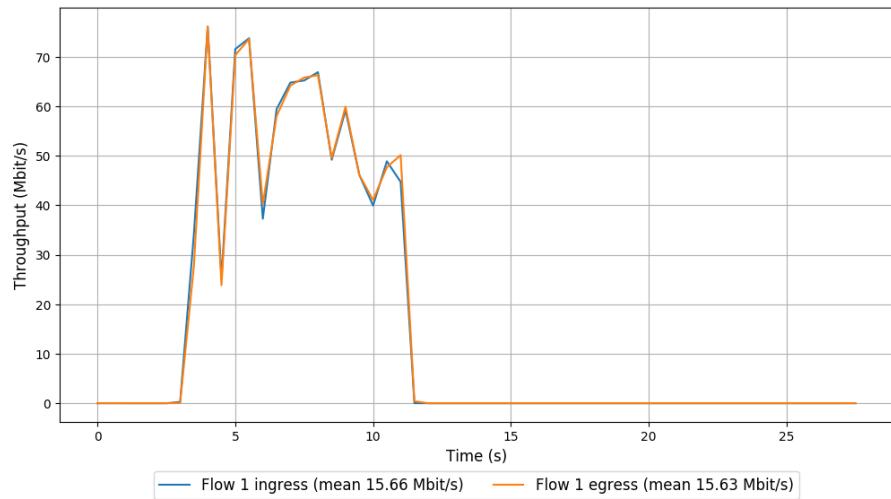


Run 7: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 04 Jul 2017 03:43:49 +0000
End at: Tue, 04 Jul 2017 03:44:19 +0000
Local clock offset: -0.427 ms
Remote clock offset: -4.356 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 55.233 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 55.233 ms
Loss rate: 0.20%
```

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

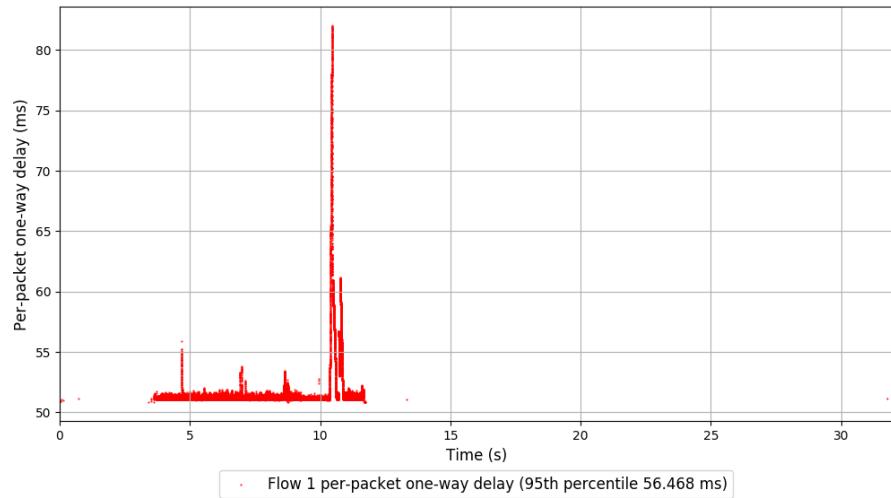
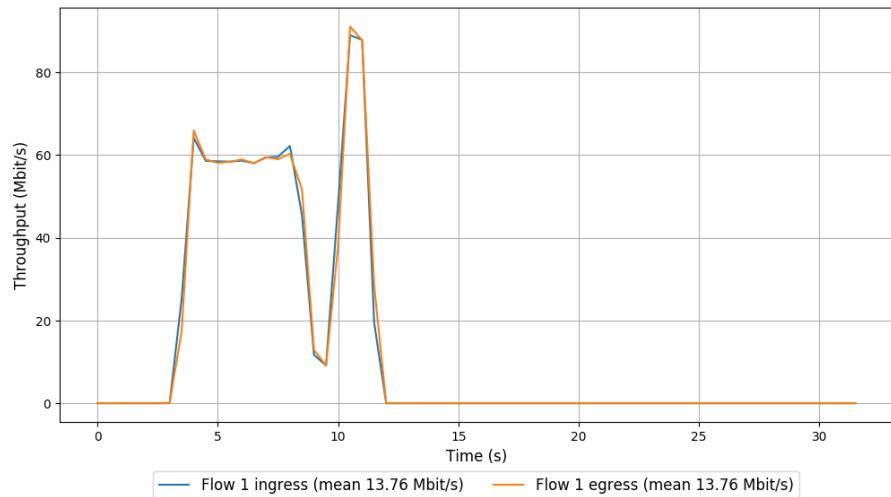


Run 8: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 04 Jul 2017 04:03:23 +0000
End at: Tue, 04 Jul 2017 04:03:53 +0000
Local clock offset: -0.027 ms
Remote clock offset: -4.988 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.76 Mbit/s
95th percentile per-packet one-way delay: 56.468 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.76 Mbit/s
95th percentile per-packet one-way delay: 56.468 ms
Loss rate: 0.00%
```

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

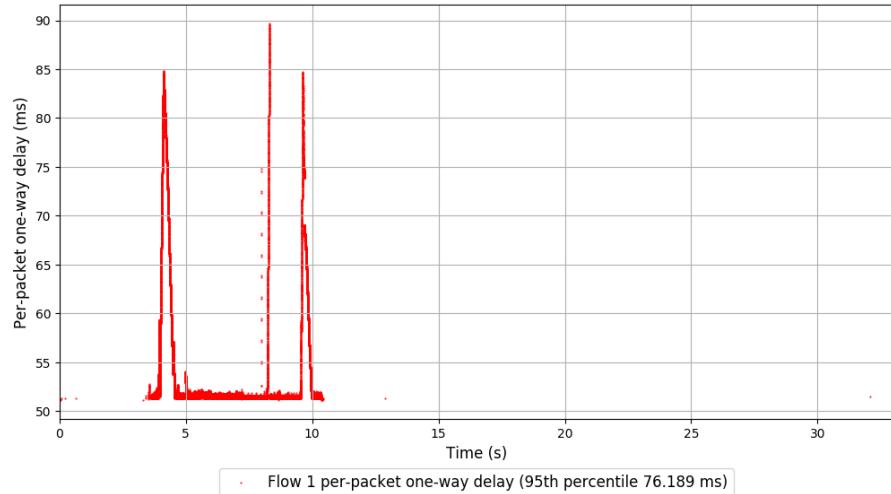
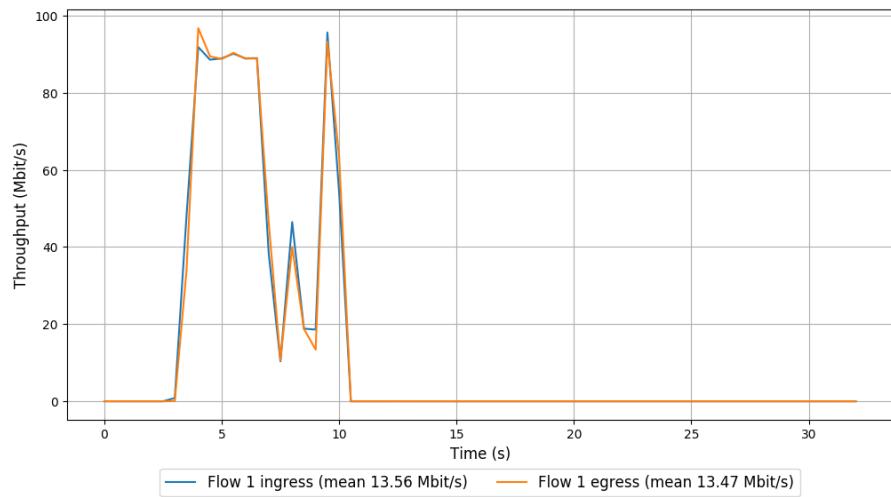


Run 9: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 04 Jul 2017 04:23:08 +0000
End at: Tue, 04 Jul 2017 04:23:38 +0000
Local clock offset: 0.195 ms
Remote clock offset: -4.56 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.47 Mbit/s
95th percentile per-packet one-way delay: 76.189 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 13.47 Mbit/s
95th percentile per-packet one-way delay: 76.189 ms
Loss rate: 0.65%
```

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

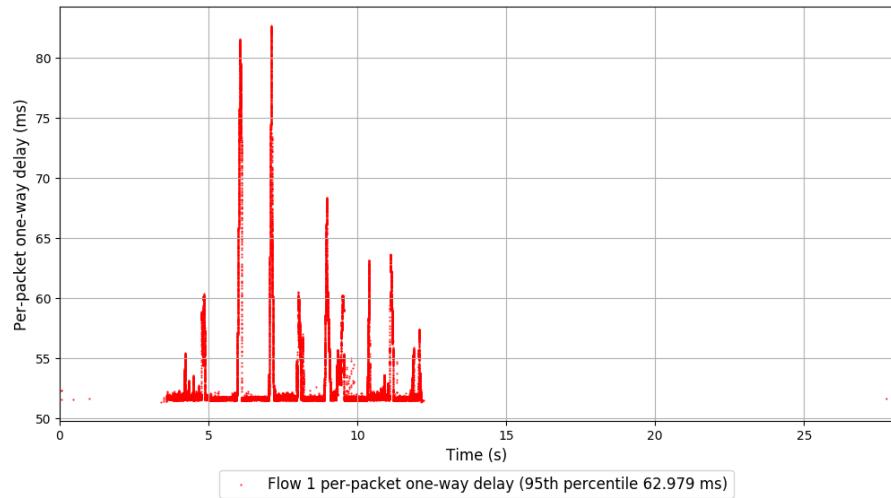
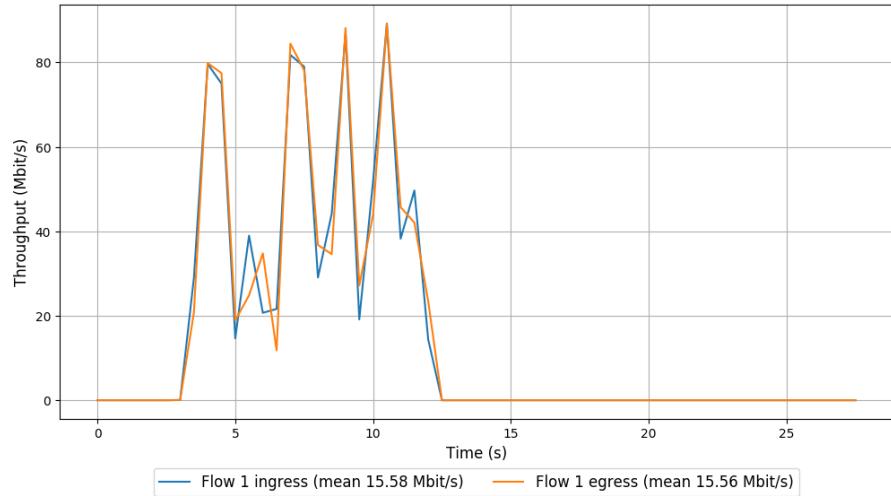


Run 10: Statistics of QUIC Cubic (toy)

```
Start at: Tue, 04 Jul 2017 04:42:47 +0000
End at: Tue, 04 Jul 2017 04:43:17 +0000
Local clock offset: 0.31 ms
Remote clock offset: -5.077 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:42:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 62.979 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 15.56 Mbit/s
95th percentile per-packet one-way delay: 62.979 ms
Loss rate: 0.13%
```

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



Run 1: Statistics of Saturator

Start at: Tue, 04 Jul 2017 01:34:30 +0000

End at: Tue, 04 Jul 2017 01:35:00 +0000

Local clock offset: 0.53 ms

Remote clock offset: -4.644 ms

Below is generated by plot.py at Tue, 04 Jul 2017 08:42:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: 52.508 ms

Loss rate: 0.02%

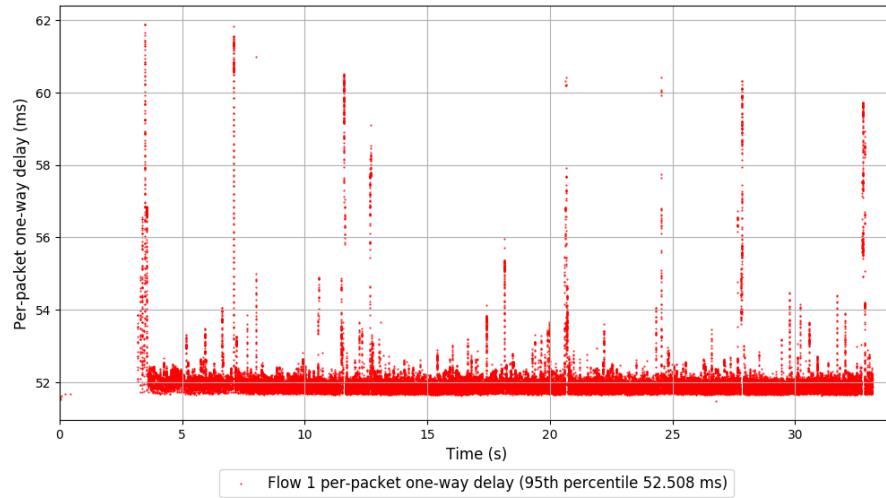
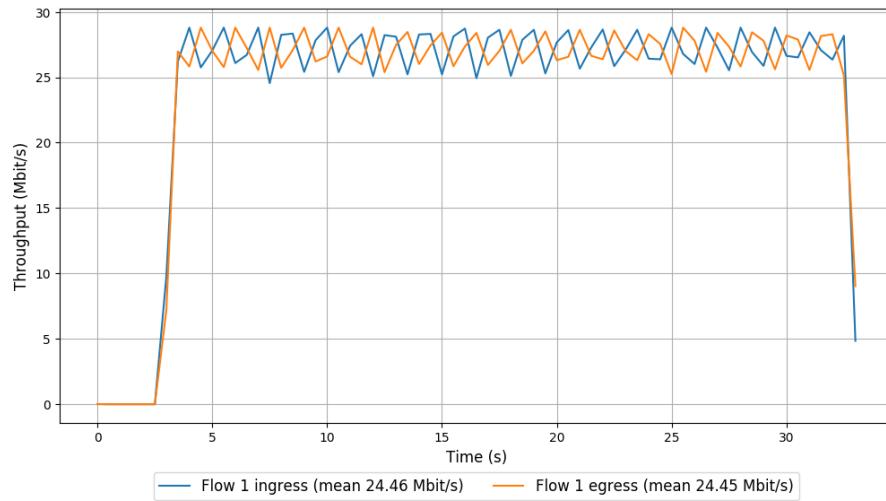
-- Flow 1:

Average throughput: 24.45 Mbit/s

95th percentile per-packet one-way delay: 52.508 ms

Loss rate: 0.02%

Run 1: Report of Saturator — Data Link

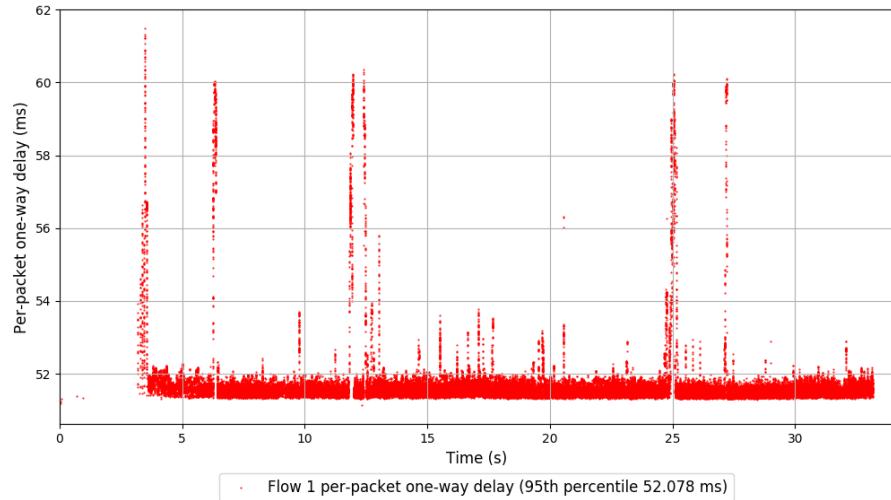
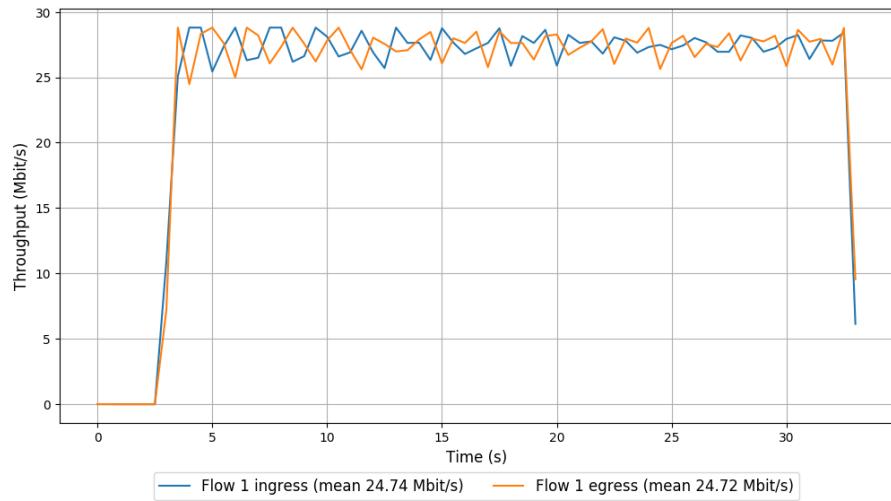


Run 2: Statistics of Saturator

```
Start at: Tue, 04 Jul 2017 01:54:08 +0000
End at: Tue, 04 Jul 2017 01:54:38 +0000
Local clock offset: 0.466 ms
Remote clock offset: -4.825 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 52.078 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 52.078 ms
Loss rate: 0.06%
```

Run 2: Report of Saturator — Data Link

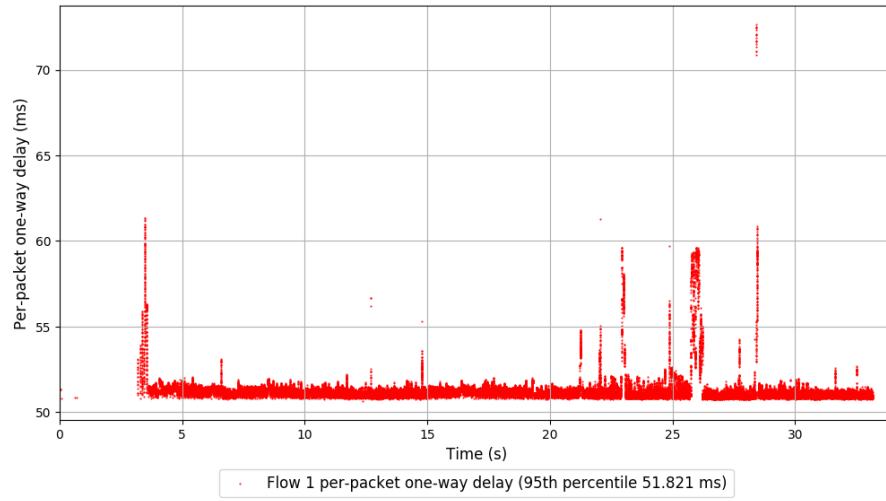
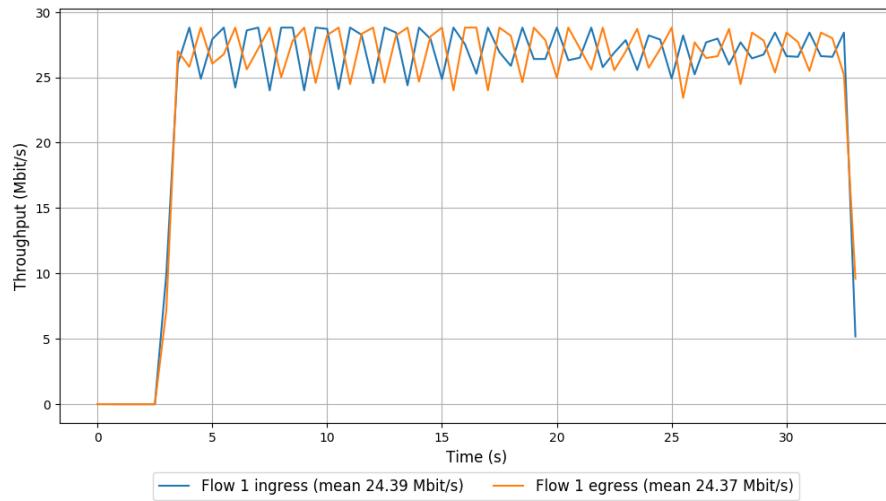


Run 3: Statistics of Saturator

```
Start at: Tue, 04 Jul 2017 02:13:41 +0000
End at: Tue, 04 Jul 2017 02:14:11 +0000
Local clock offset: 0.222 ms
Remote clock offset: -1.863 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 51.821 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 51.821 ms
Loss rate: 0.07%
```

Run 3: Report of Saturator — Data Link

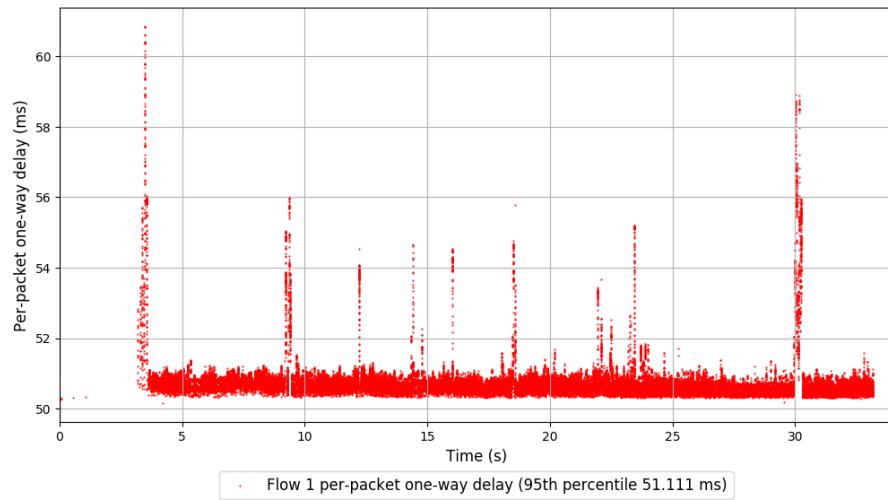
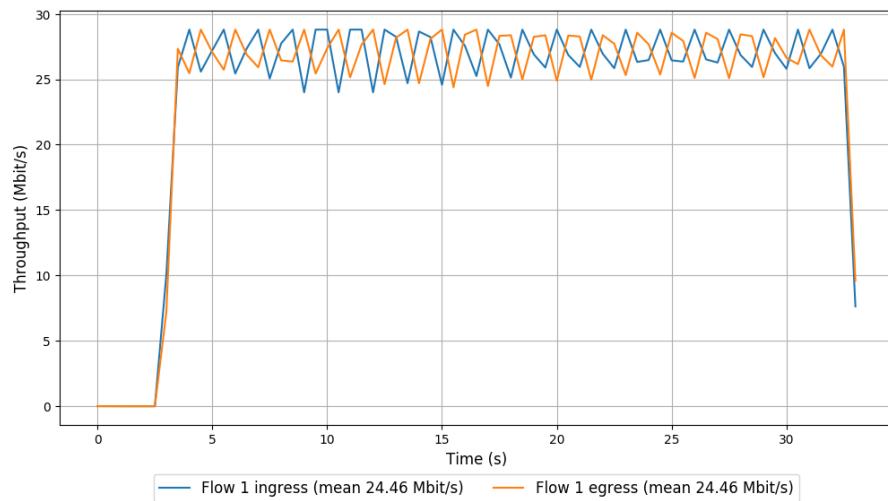


Run 4: Statistics of Saturator

```
Start at: Tue, 04 Jul 2017 02:33:14 +0000
End at: Tue, 04 Jul 2017 02:33:44 +0000
Local clock offset: -0.048 ms
Remote clock offset: -1.874 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 51.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 51.111 ms
Loss rate: 0.00%
```

Run 4: Report of Saturator — Data Link

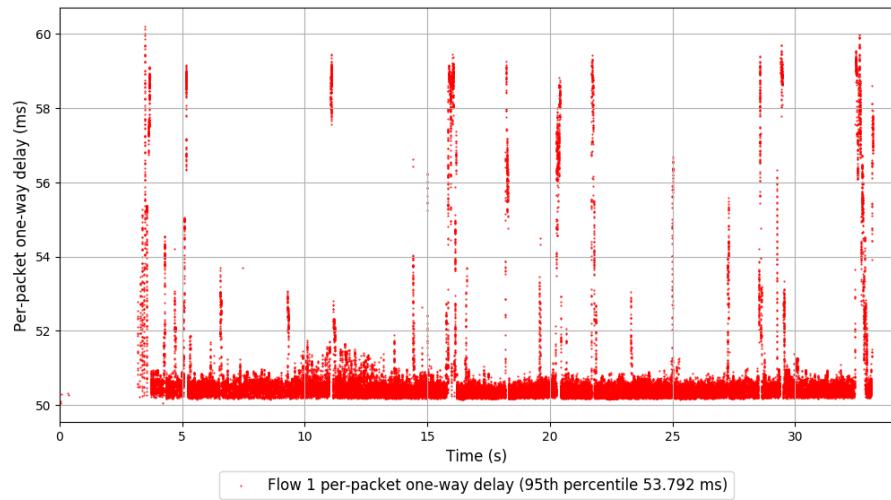
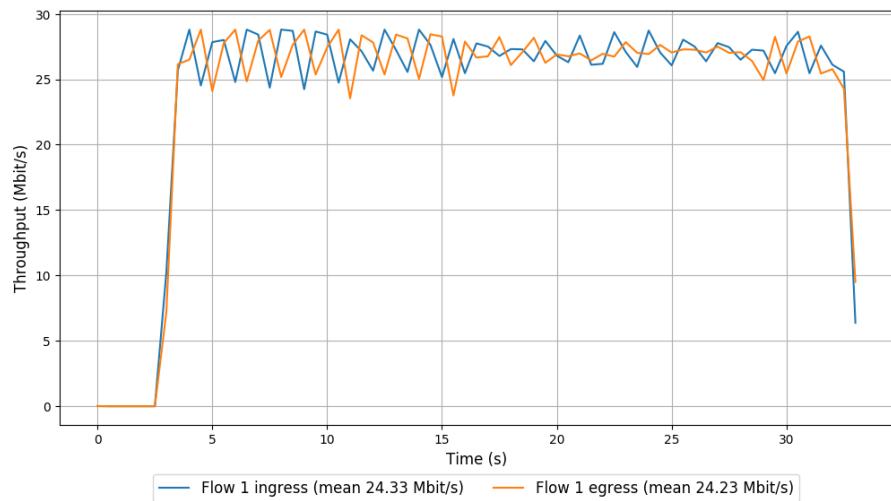


Run 5: Statistics of Saturator

```
Start at: Tue, 04 Jul 2017 02:52:53 +0000
End at: Tue, 04 Jul 2017 02:53:23 +0000
Local clock offset: -0.341 ms
Remote clock offset: -3.891 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 53.792 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 24.23 Mbit/s
95th percentile per-packet one-way delay: 53.792 ms
Loss rate: 0.41%
```

Run 5: Report of Saturator — Data Link

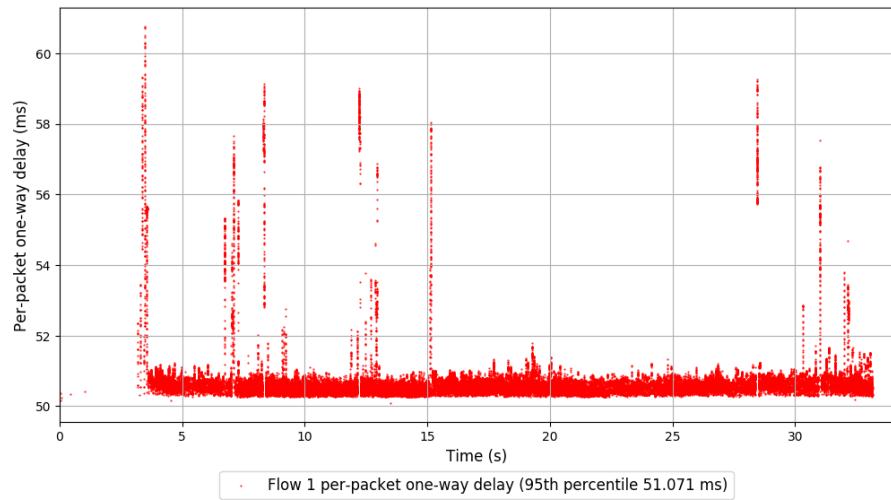
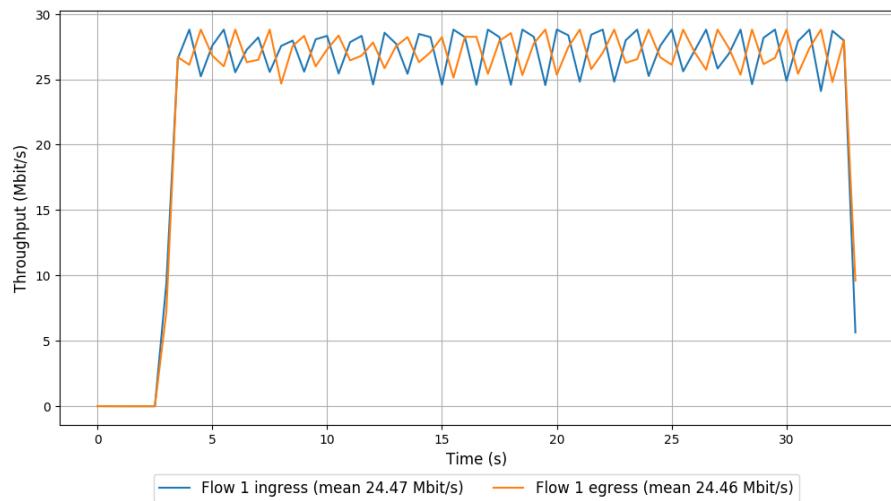


Run 6: Statistics of Saturator

```
Start at: Tue, 04 Jul 2017 03:12:31 +0000
End at: Tue, 04 Jul 2017 03:13:01 +0000
Local clock offset: -0.32 ms
Remote clock offset: -2.107 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 51.071 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 51.071 ms
Loss rate: 0.04%
```

Run 6: Report of Saturator — Data Link

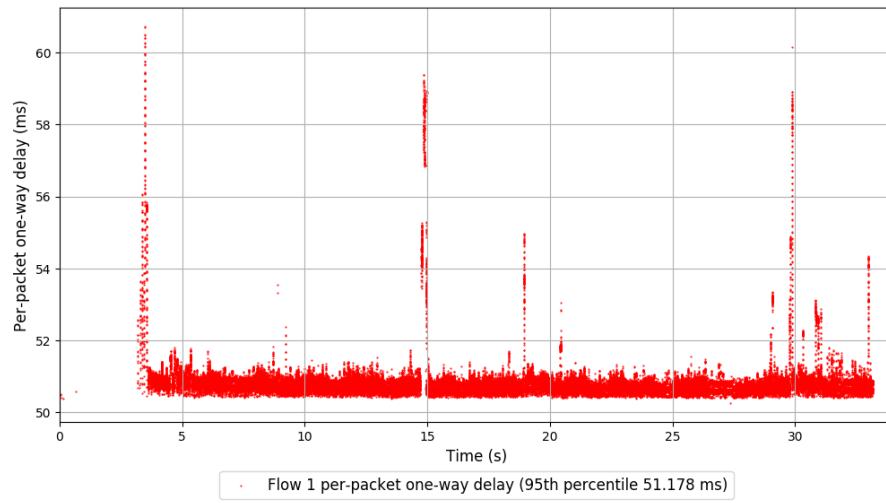
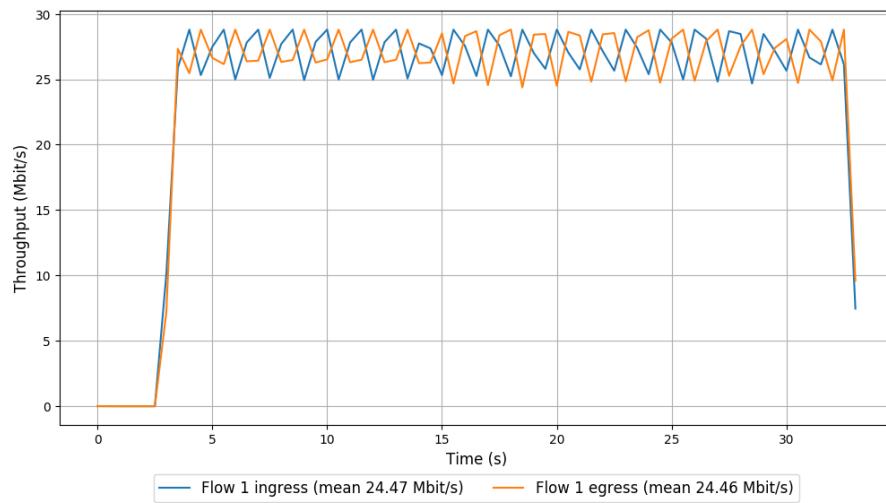


Run 7: Statistics of Saturator

```
Start at: Tue, 04 Jul 2017 03:32:04 +0000
End at: Tue, 04 Jul 2017 03:32:34 +0000
Local clock offset: -0.508 ms
Remote clock offset: -2.591 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 51.178 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 51.178 ms
Loss rate: 0.02%
```

Run 7: Report of Saturator — Data Link

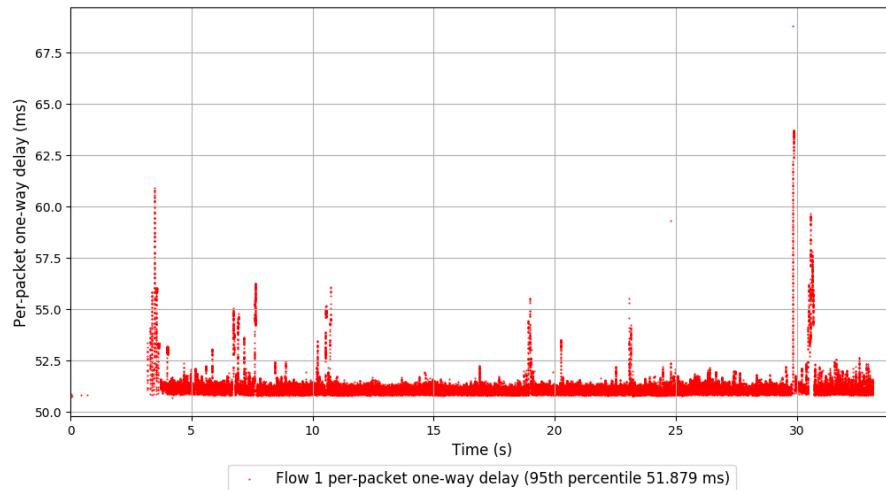
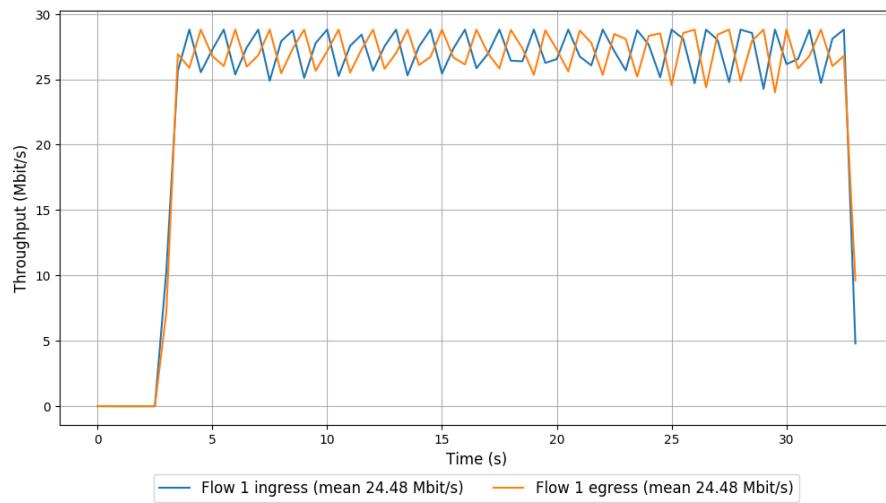


Run 8: Statistics of Saturator

```
Start at: Tue, 04 Jul 2017 03:51:33 +0000
End at: Tue, 04 Jul 2017 03:52:03 +0000
Local clock offset: -0.239 ms
Remote clock offset: -2.554 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 51.879 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 51.879 ms
Loss rate: 0.01%
```

Run 8: Report of Saturator — Data Link

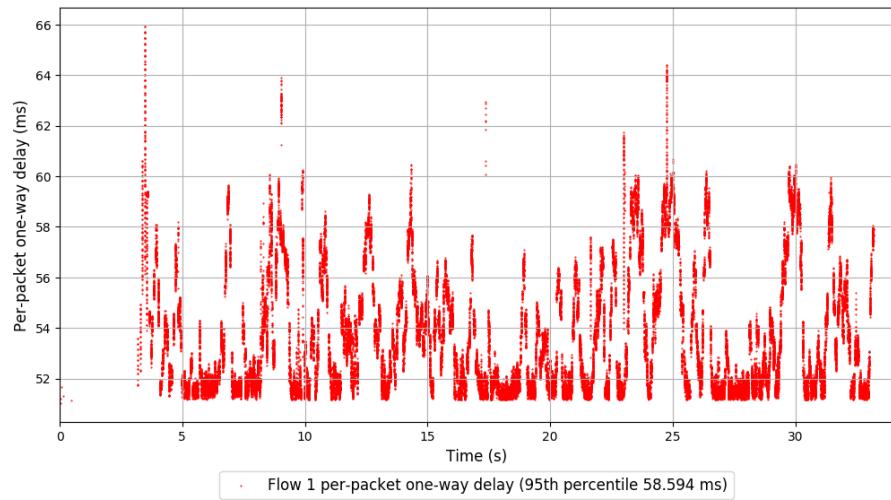
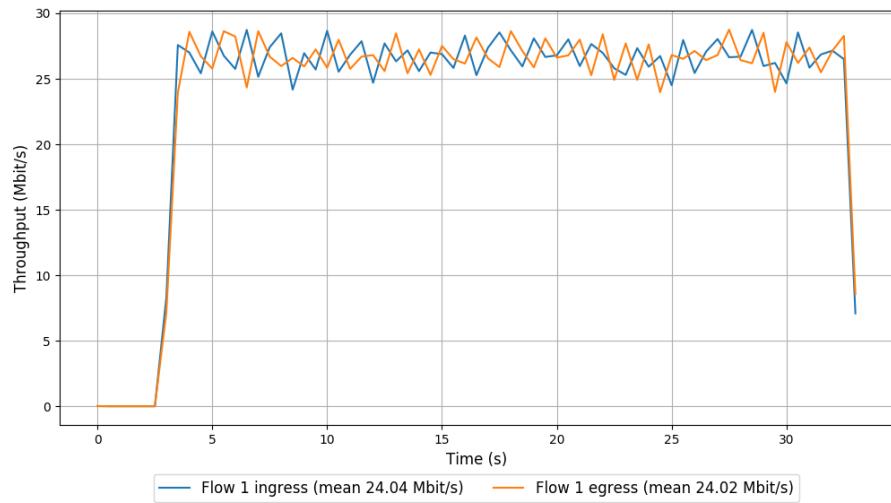


Run 9: Statistics of Saturator

```
Start at: Tue, 04 Jul 2017 04:11:09 +0000
End at: Tue, 04 Jul 2017 04:11:39 +0000
Local clock offset: -0.023 ms
Remote clock offset: -5.032 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 58.594 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 24.02 Mbit/s
95th percentile per-packet one-way delay: 58.594 ms
Loss rate: 0.07%
```

Run 9: Report of Saturator — Data Link

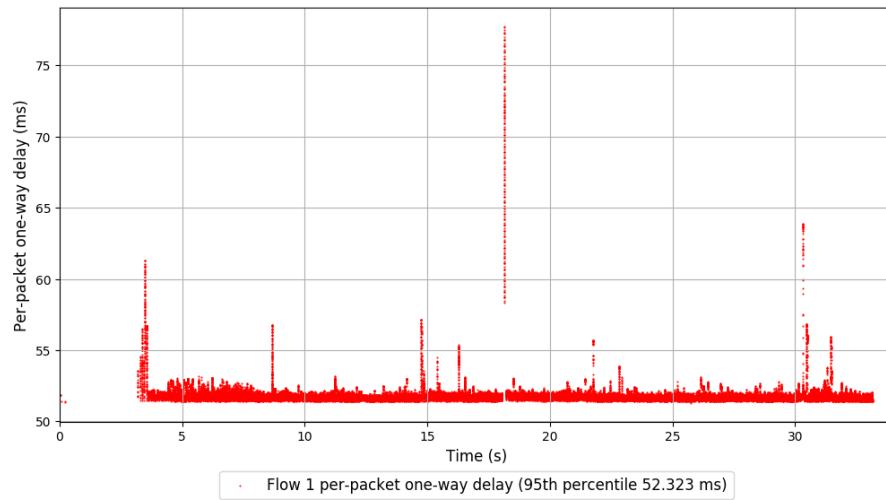
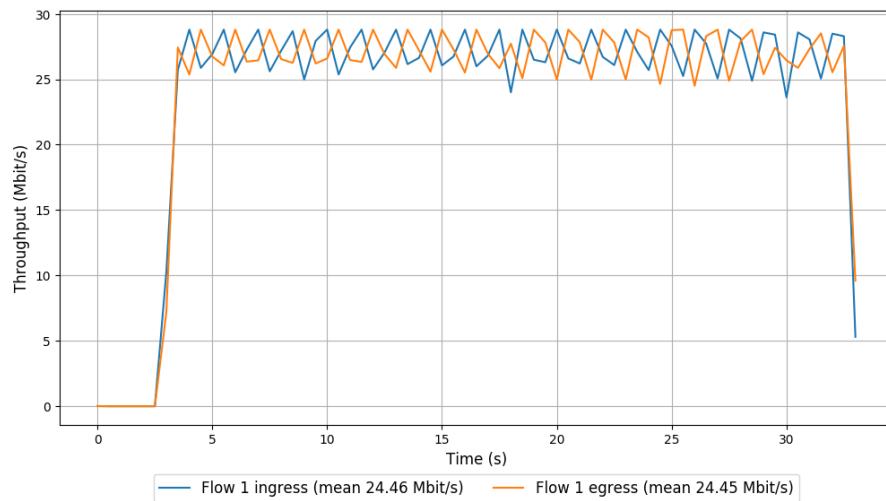


Run 10: Statistics of Saturator

```
Start at: Tue, 04 Jul 2017 04:30:59 +0000
End at: Tue, 04 Jul 2017 04:31:29 +0000
Local clock offset: 0.335 ms
Remote clock offset: -2.896 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 52.323 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.45 Mbit/s
95th percentile per-packet one-way delay: 52.323 ms
Loss rate: 0.06%
```

Run 10: Report of Saturator — Data Link

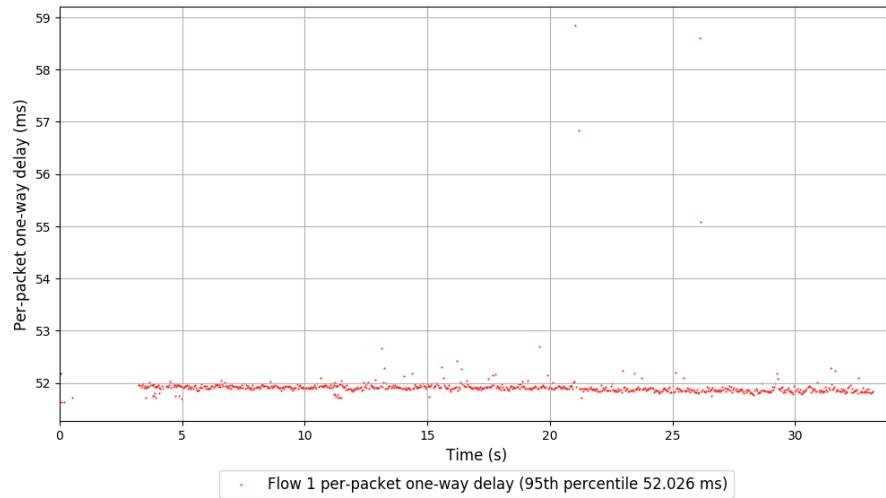
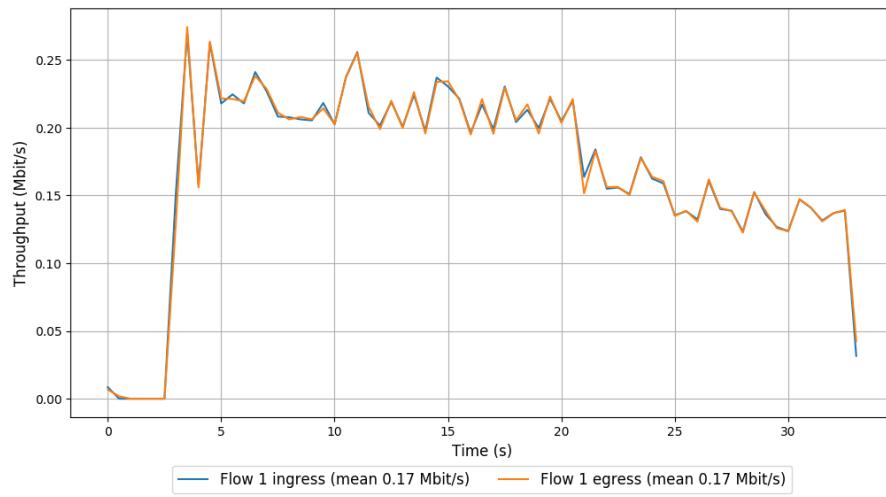


```
Run 1: Statistics of SCReAM
```

```
Start at: Tue, 04 Jul 2017 01:33:14 +0000
End at: Tue, 04 Jul 2017 01:33:44 +0000
Local clock offset: 0.491 ms
Remote clock offset: -4.941 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 52.026 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 52.026 ms
Loss rate: 0.14%
```

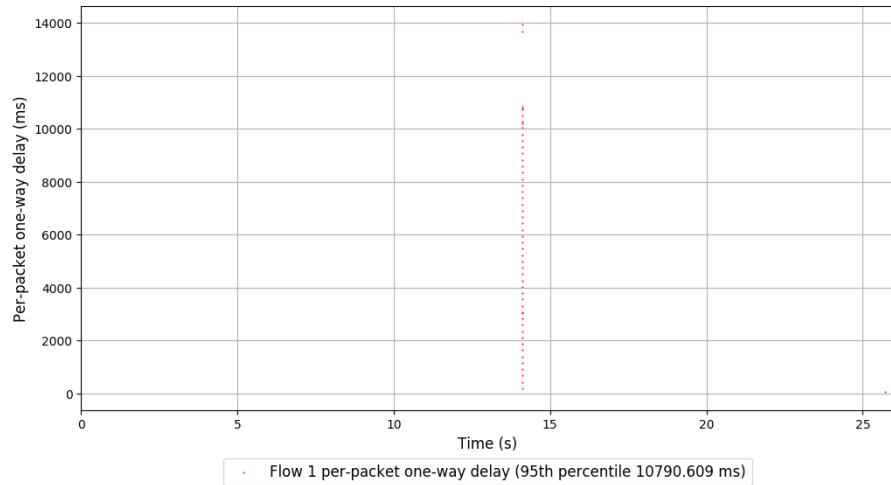
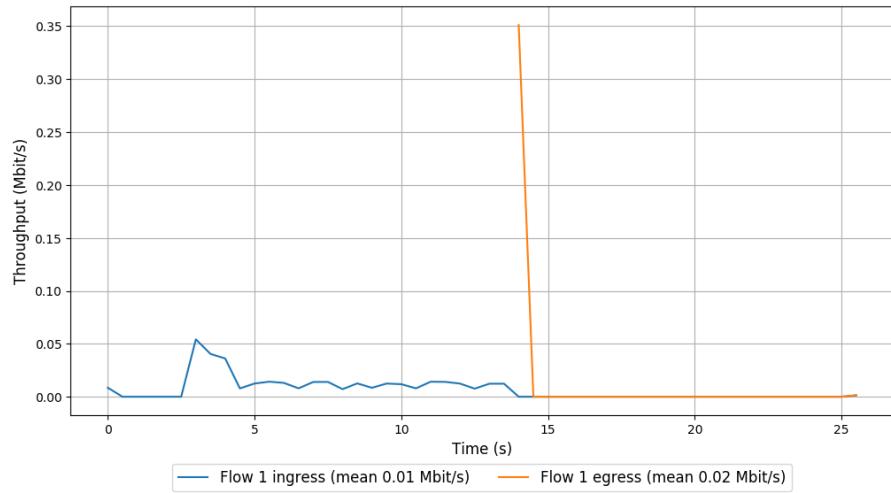
Run 1: Report of SCReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 01:52:53 +0000
End at: Tue, 04 Jul 2017 01:53:23 +0000
Local clock offset: 0.417 ms
Remote clock offset: -2.305 ms

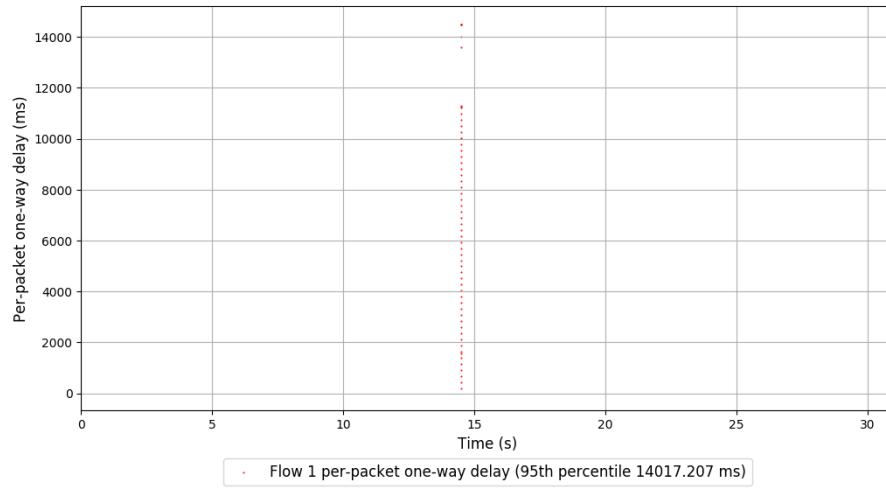
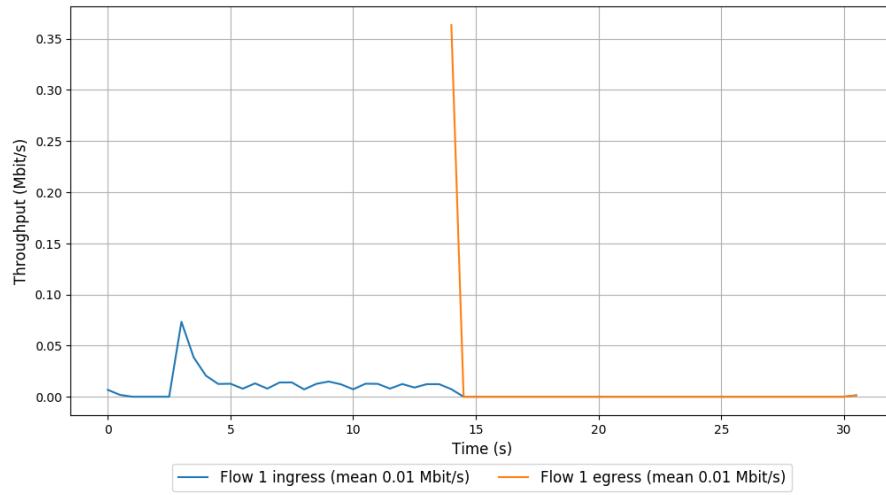
Run 2: Report of SCReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 02:12:26 +0000
End at: Tue, 04 Jul 2017 02:12:56 +0000
Local clock offset: 0.174 ms
Remote clock offset: -2.023 ms

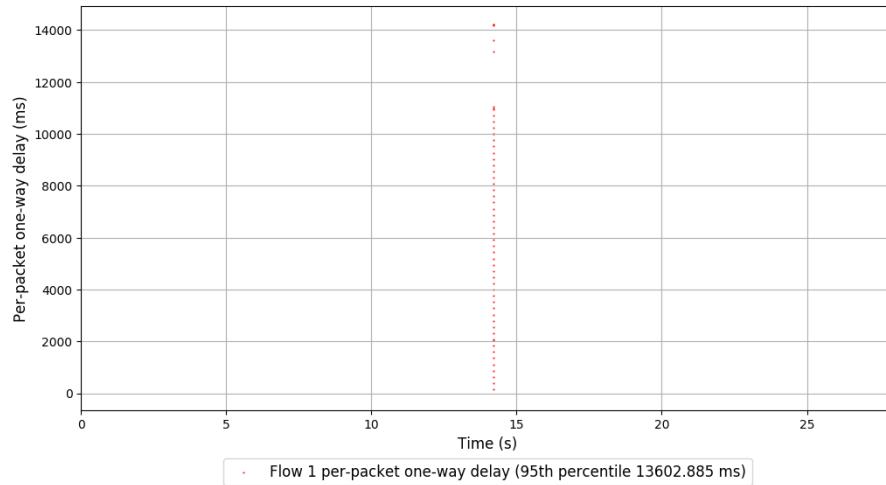
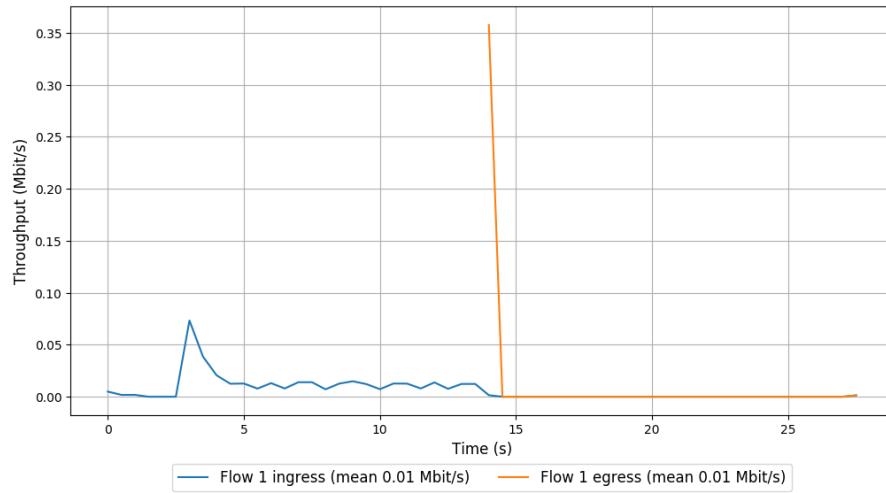
Run 3: Report of SCReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 02:31:59 +0000
End at: Tue, 04 Jul 2017 02:32:29 +0000
Local clock offset: -0.043 ms
Remote clock offset: -4.261 ms

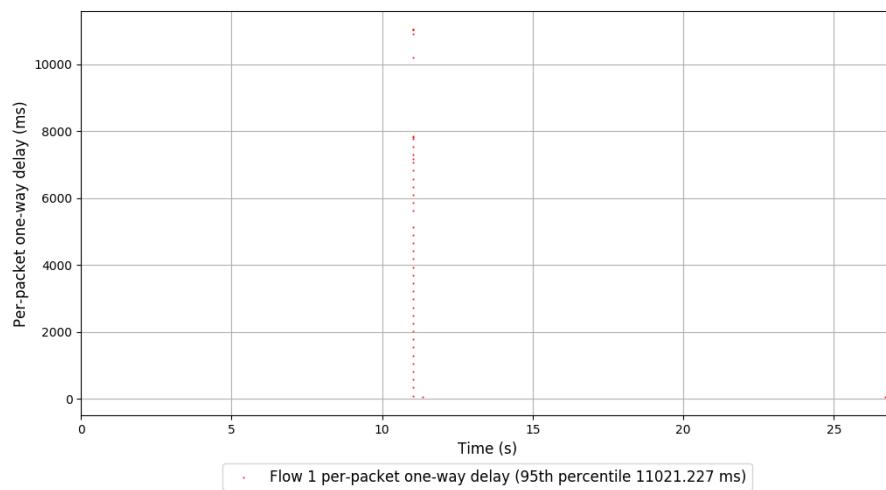
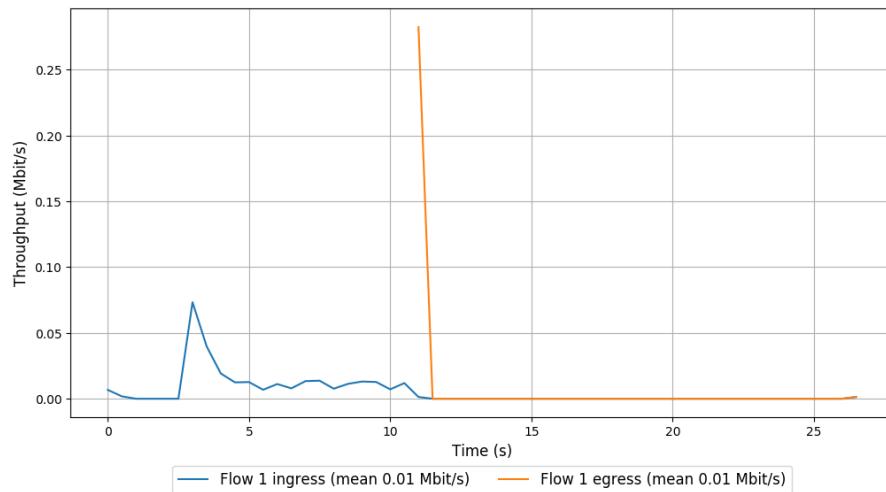
Run 4: Report of SCReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 02:51:38 +0000
End at: Tue, 04 Jul 2017 02:52:08 +0000
Local clock offset: -0.258 ms
Remote clock offset: -1.461 ms

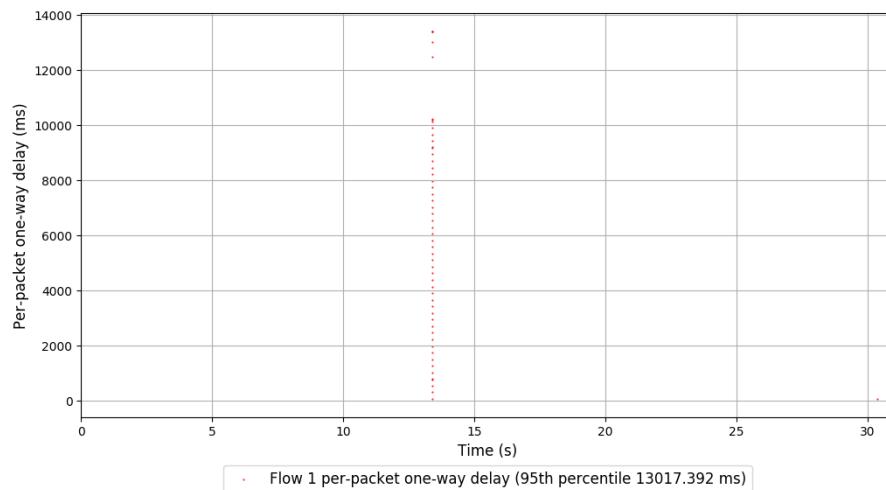
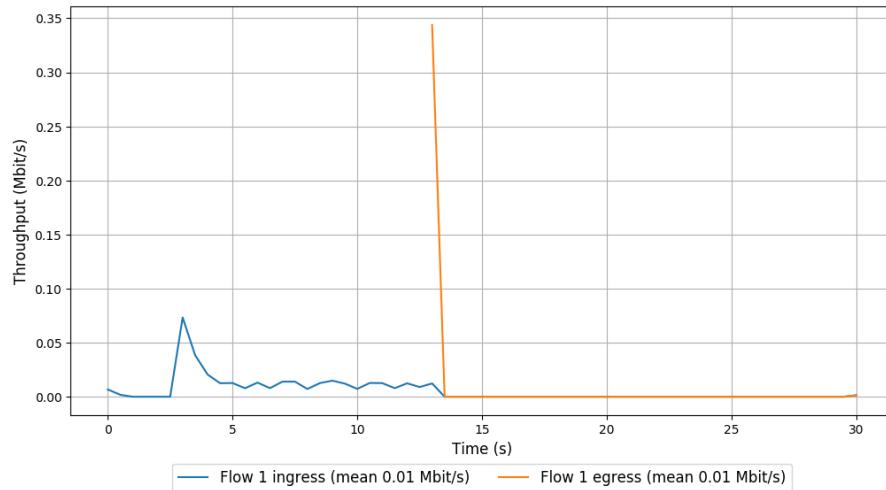
Run 5: Report of SCReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 03:11:15 +0000
End at: Tue, 04 Jul 2017 03:11:45 +0000
Local clock offset: -0.424 ms
Remote clock offset: -1.904 ms

Run 6: Report of SCReAM — Data Link

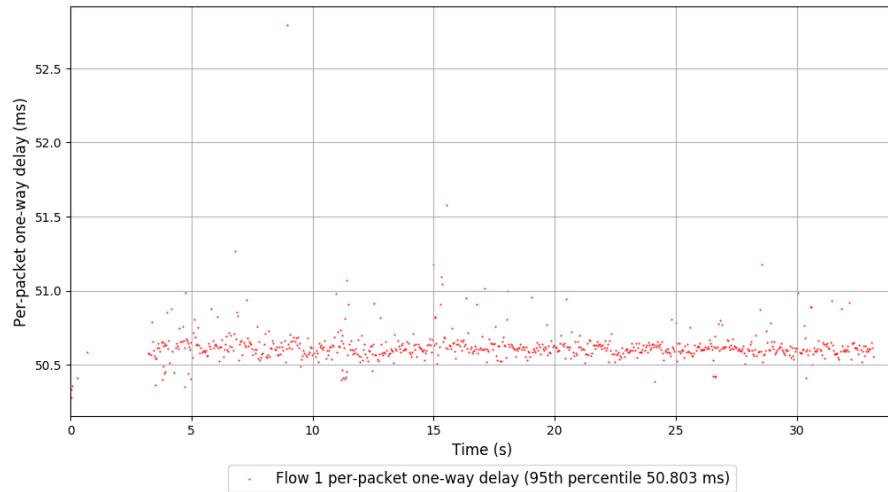
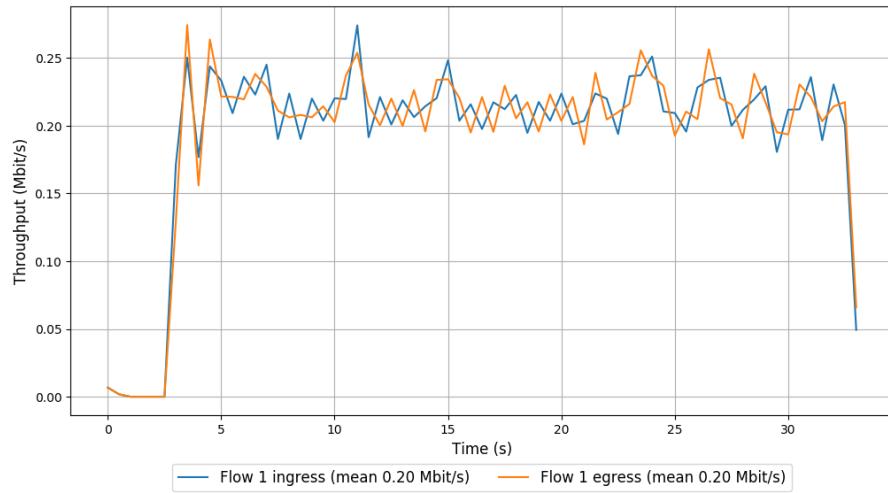


Run 7: Statistics of SCReAM

```
Start at: Tue, 04 Jul 2017 03:30:48 +0000
End at: Tue, 04 Jul 2017 03:31:18 +0000
Local clock offset: -0.506 ms
Remote clock offset: -2.084 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 50.803 ms
Loss rate: 0.00%
```

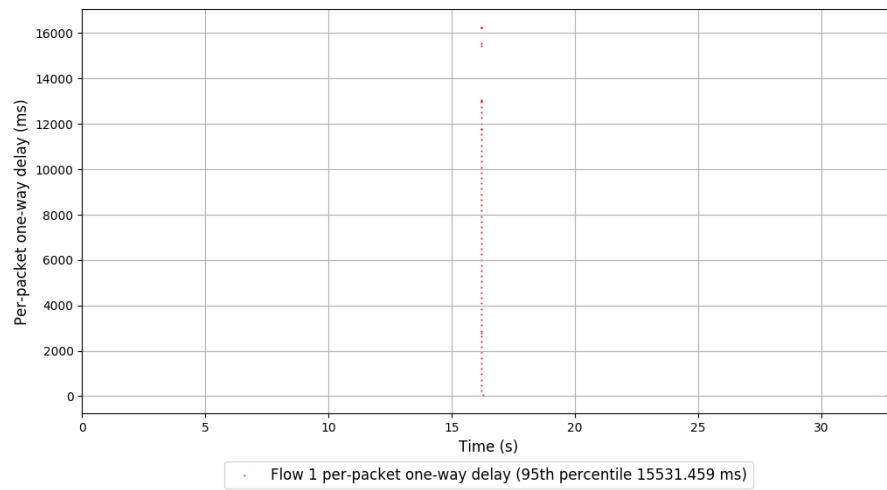
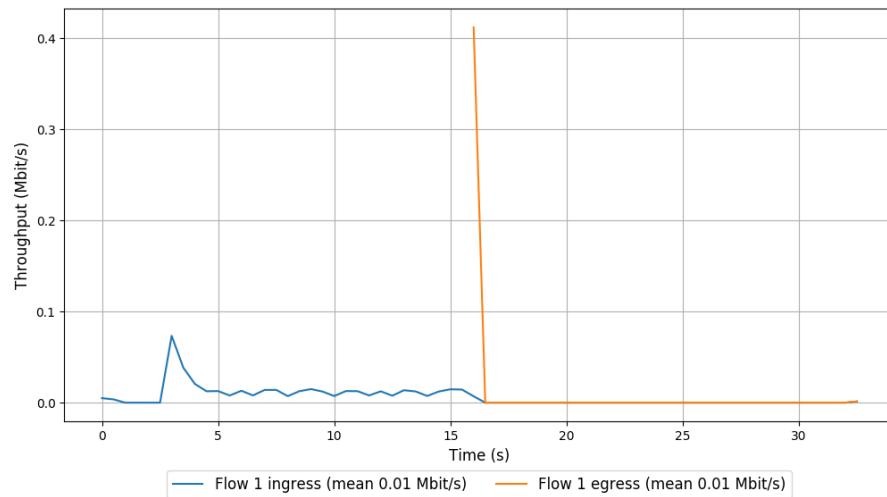
Run 7: Report of SCReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 03:50:18 +0000
End at: Tue, 04 Jul 2017 03:50:48 +0000
Local clock offset: -0.242 ms
Remote clock offset: -4.519 ms

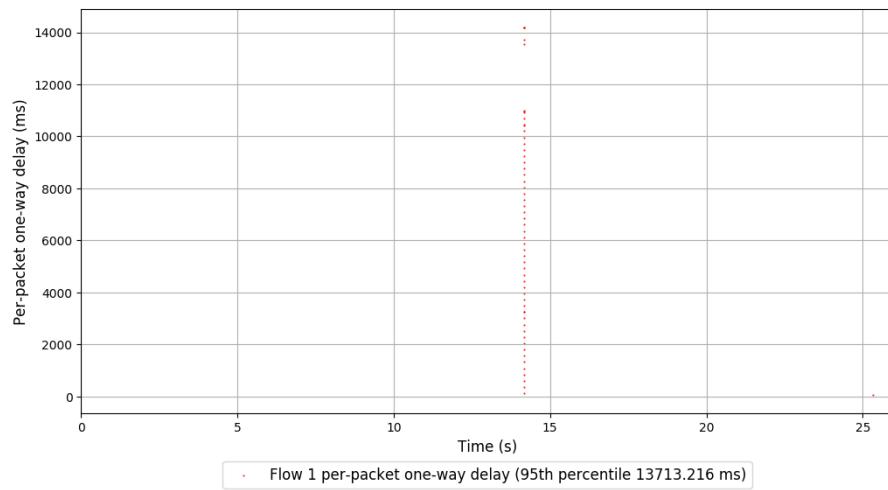
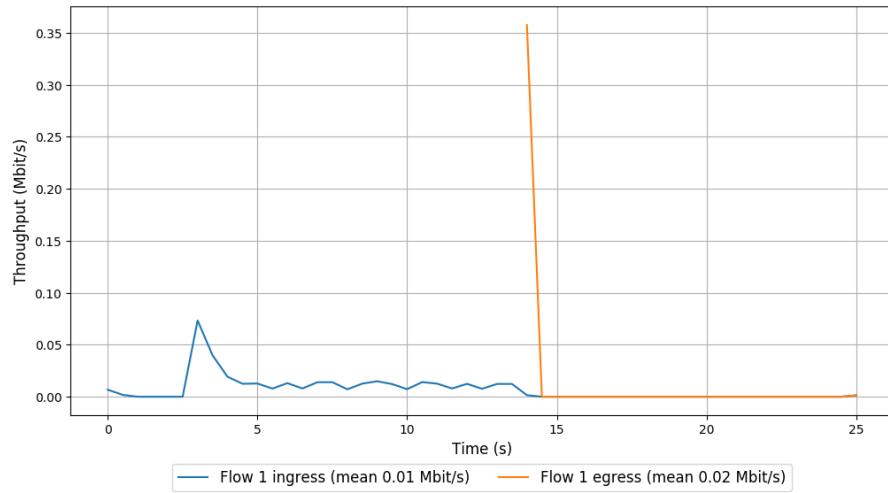
Run 8: Report of SCReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Tue, 04 Jul 2017 04:09:53 +0000
End at: Tue, 04 Jul 2017 04:10:23 +0000
Local clock offset: -0.024 ms
Remote clock offset: -2.579 ms

Run 9: Report of SCReAM — Data Link

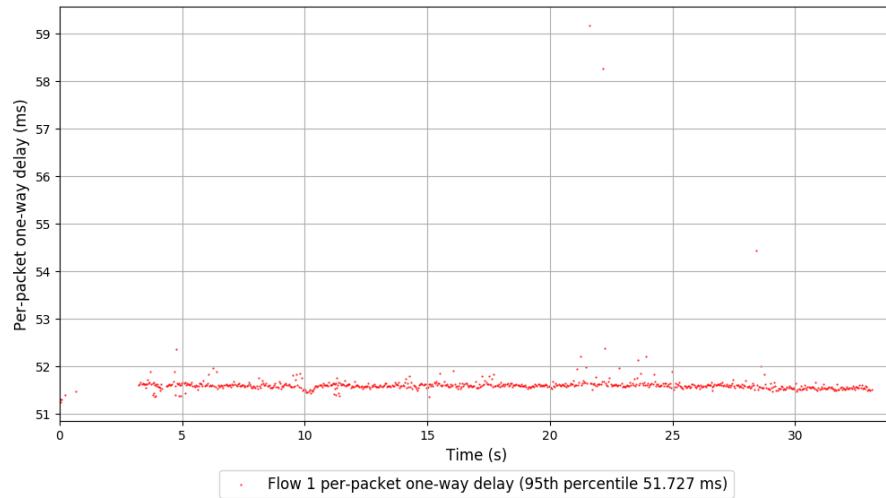
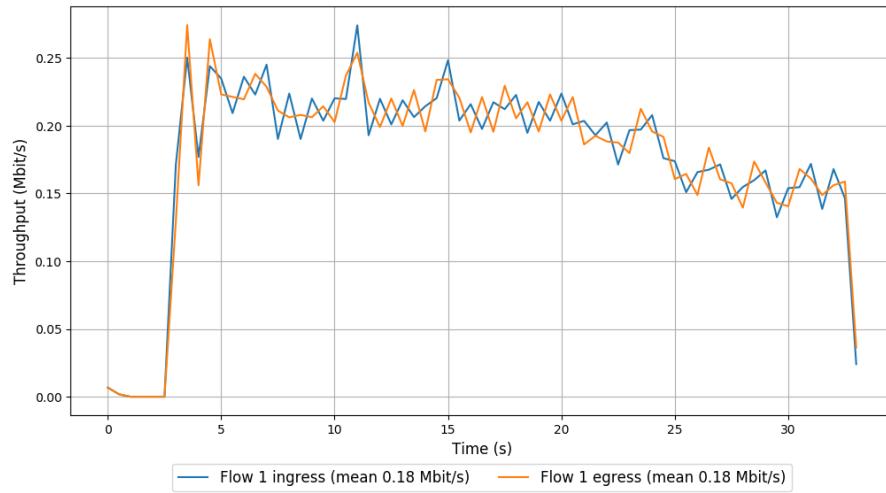


Run 10: Statistics of SCReAM

```
Start at: Tue, 04 Jul 2017 04:29:42 +0000
End at: Tue, 04 Jul 2017 04:30:12 +0000
Local clock offset: 0.194 ms
Remote clock offset: -4.974 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 51.727 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 51.727 ms
Loss rate: 0.14%
```

Run 10: Report of SCReAM — Data Link

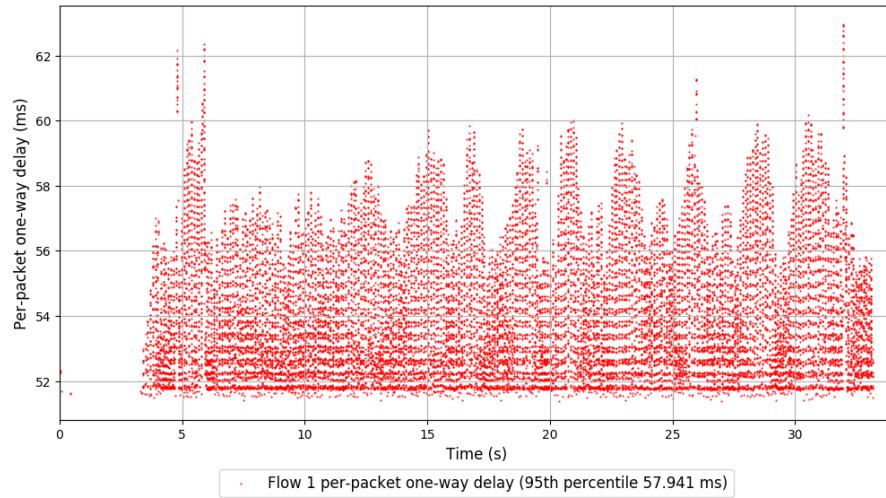
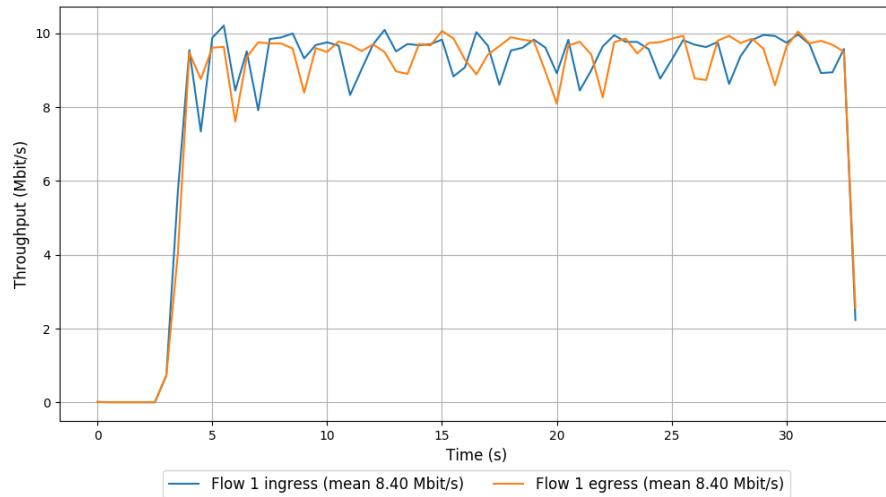


Run 1: Statistics of Sprout

```
Start at: Tue, 04 Jul 2017 01:41:06 +0000
End at: Tue, 04 Jul 2017 01:41:36 +0000
Local clock offset: 0.484 ms
Remote clock offset: -2.904 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 57.941 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 57.941 ms
Loss rate: 0.06%
```

Run 1: Report of Sprout — Data Link

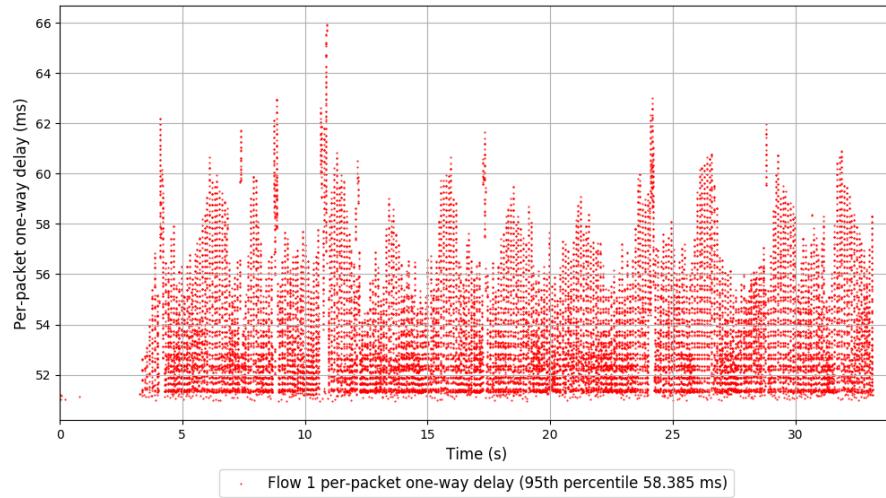
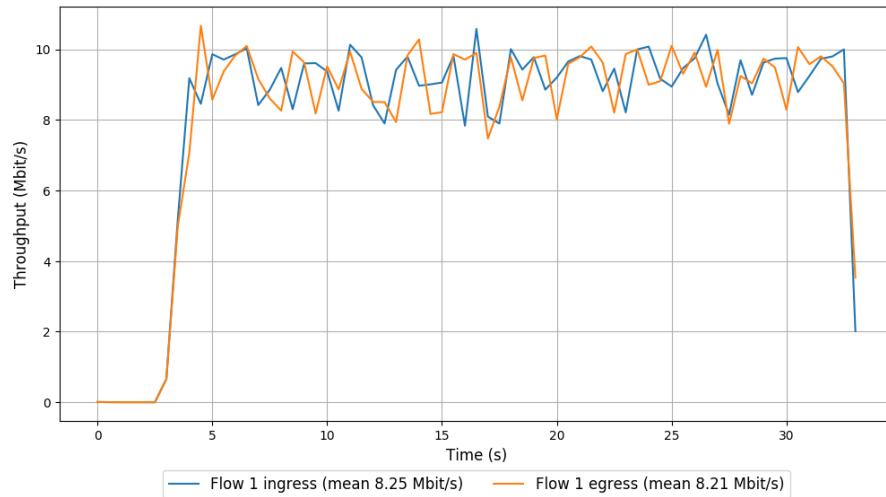


Run 2: Statistics of Sprout

```
Start at: Tue, 04 Jul 2017 02:00:44 +0000
End at: Tue, 04 Jul 2017 02:01:14 +0000
Local clock offset: 0.329 ms
Remote clock offset: -4.183 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 58.385 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 8.21 Mbit/s
95th percentile per-packet one-way delay: 58.385 ms
Loss rate: 0.53%
```

Run 2: Report of Sprout — Data Link

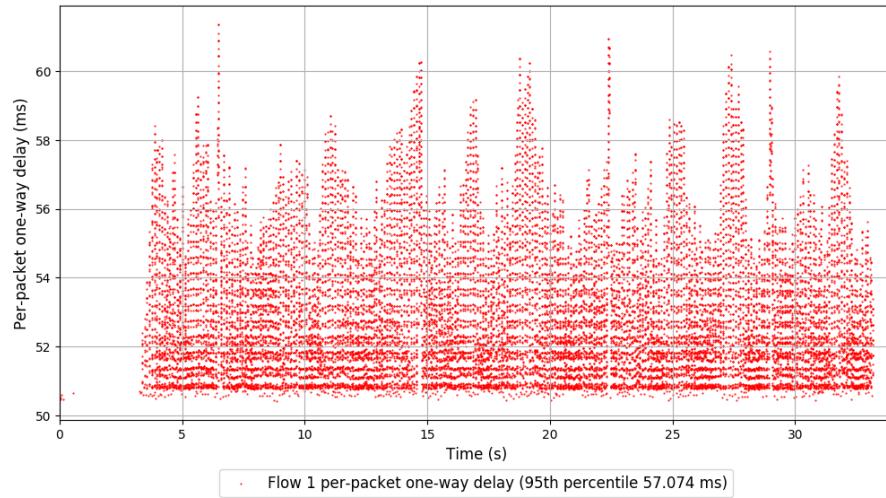
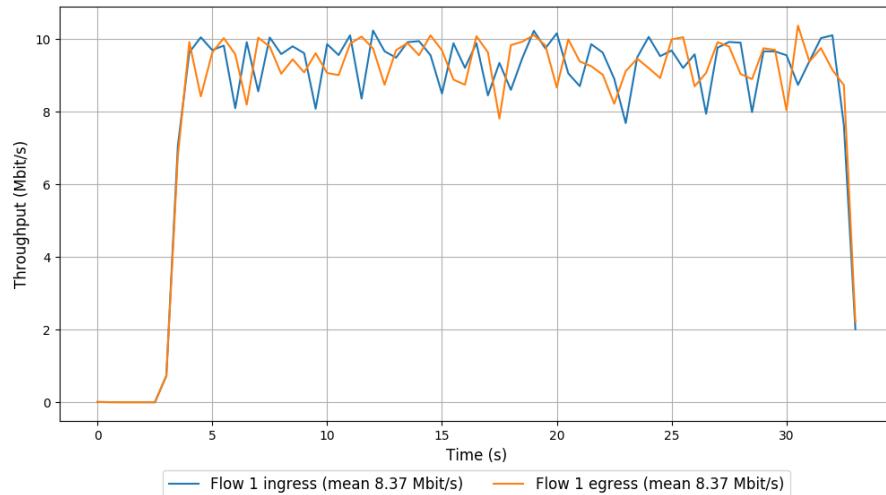


Run 3: Statistics of Sprout

```
Start at: Tue, 04 Jul 2017 02:20:17 +0000
End at: Tue, 04 Jul 2017 02:20:47 +0000
Local clock offset: 0.152 ms
Remote clock offset: -4.332 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 57.074 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 8.37 Mbit/s
95th percentile per-packet one-way delay: 57.074 ms
Loss rate: 0.03%
```

Run 3: Report of Sprout — Data Link

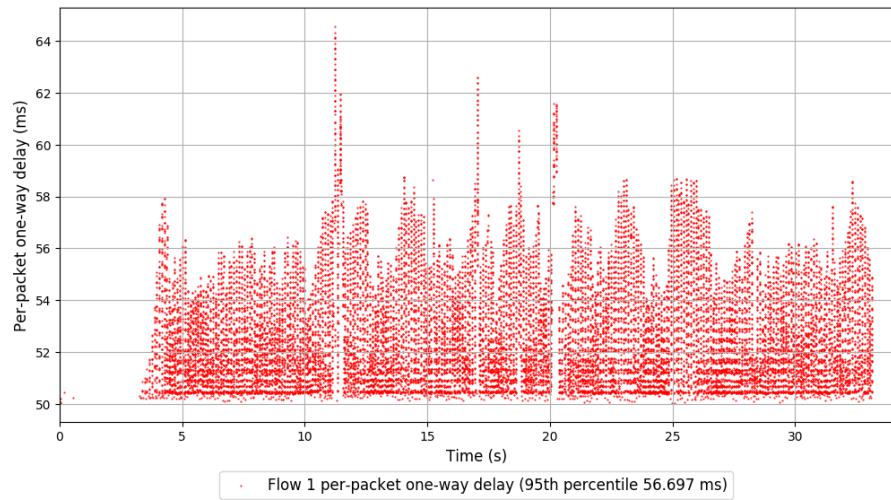
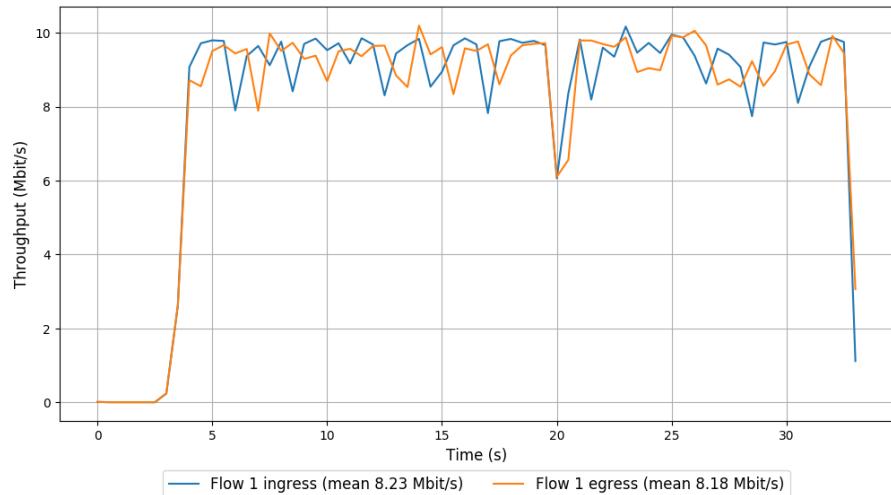


Run 4: Statistics of Sprout

```
Start at: Tue, 04 Jul 2017 02:39:53 +0000
End at: Tue, 04 Jul 2017 02:40:23 +0000
Local clock offset: -0.118 ms
Remote clock offset: -1.815 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.18 Mbit/s
95th percentile per-packet one-way delay: 56.697 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 8.18 Mbit/s
95th percentile per-packet one-way delay: 56.697 ms
Loss rate: 0.54%
```

Run 4: Report of Sprout — Data Link

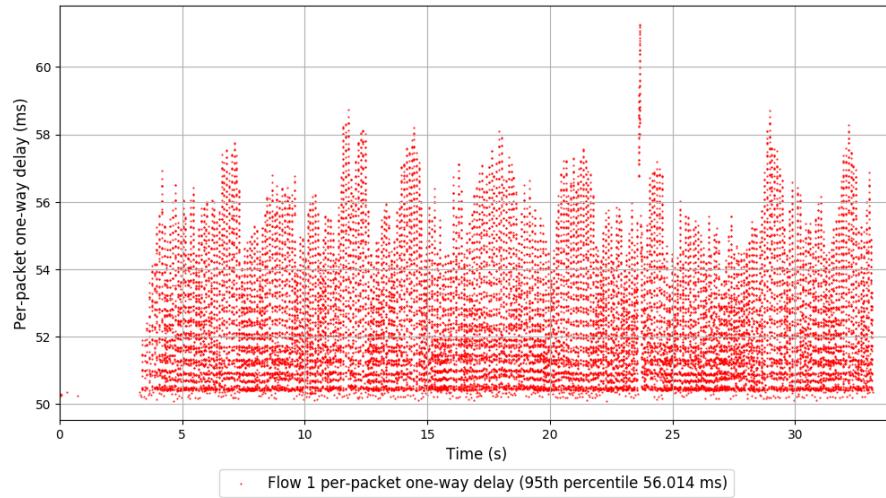
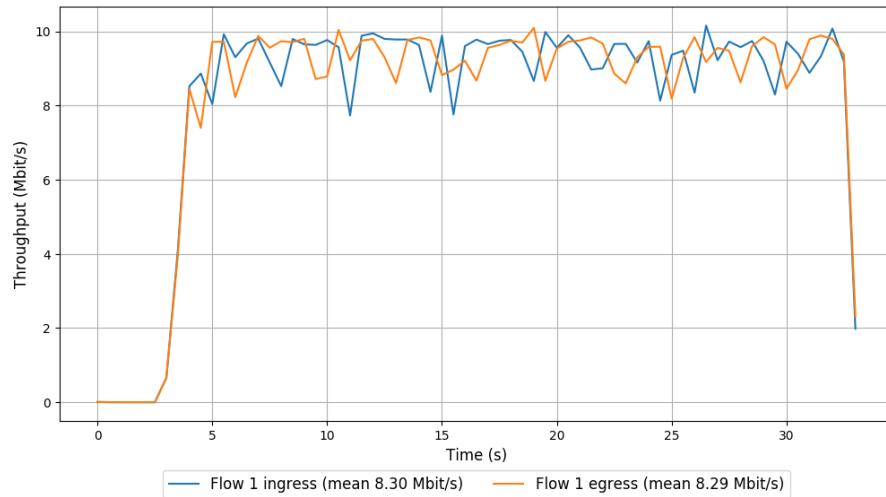


Run 5: Statistics of Sprout

```
Start at: Tue, 04 Jul 2017 02:59:29 +0000
End at: Tue, 04 Jul 2017 02:59:59 +0000
Local clock offset: -0.27 ms
Remote clock offset: -4.022 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 56.014 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 8.29 Mbit/s
95th percentile per-packet one-way delay: 56.014 ms
Loss rate: 0.07%
```

Run 5: Report of Sprout — Data Link

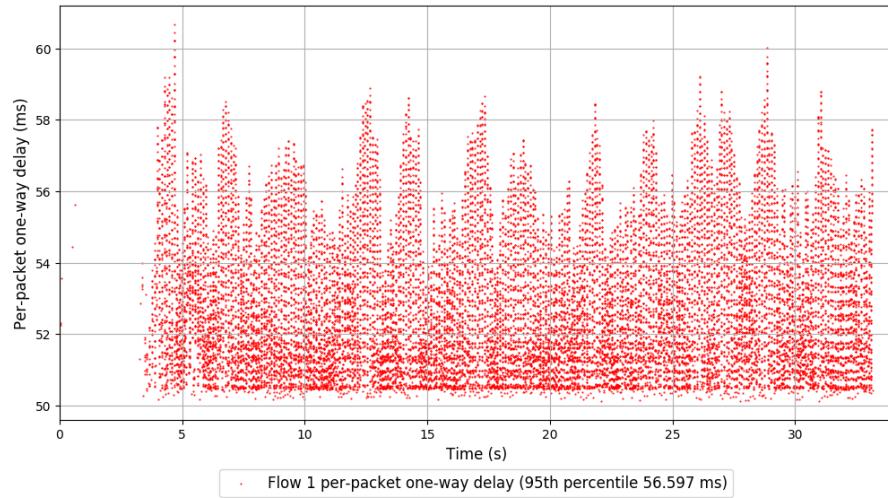
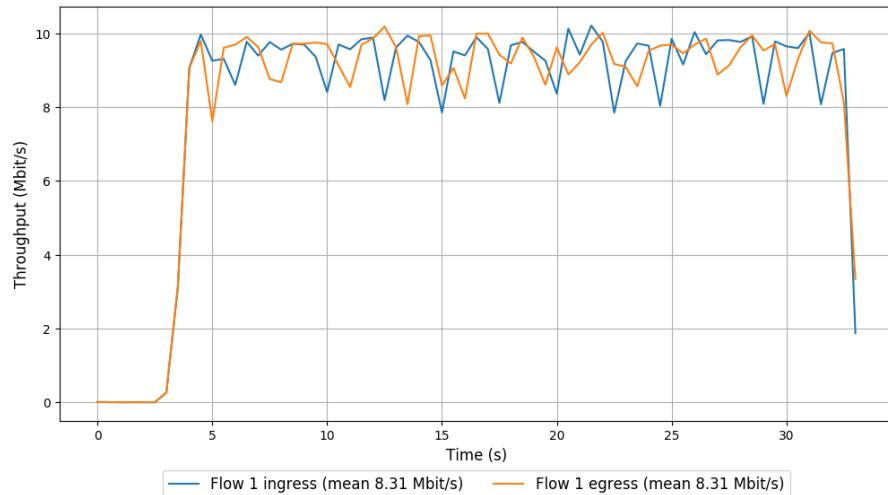


Run 6: Statistics of Sprout

```
Start at: Tue, 04 Jul 2017 03:19:07 +0000
End at: Tue, 04 Jul 2017 03:19:37 +0000
Local clock offset: -0.456 ms
Remote clock offset: -4.253 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 56.597 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 56.597 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

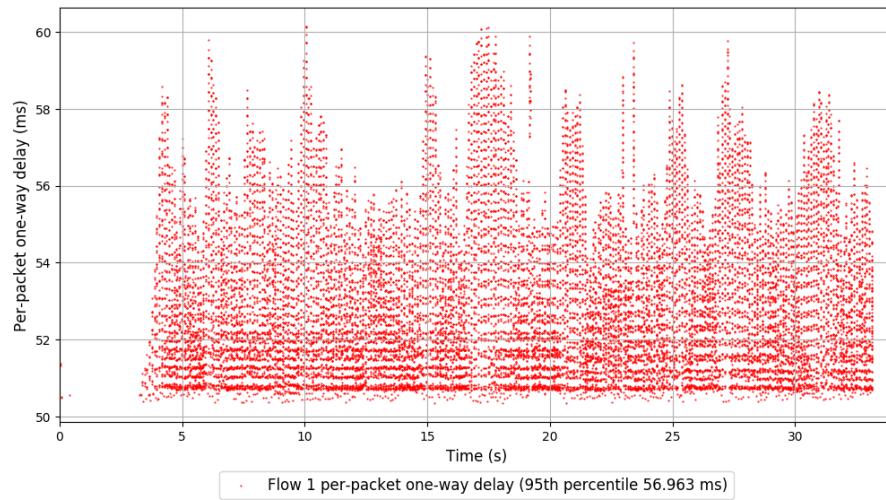
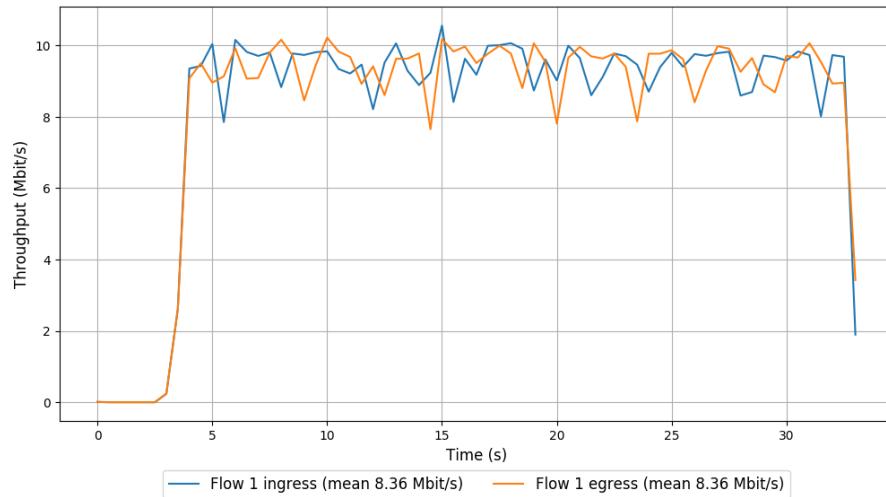


Run 7: Statistics of Sprout

```
Start at: Tue, 04 Jul 2017 03:38:38 +0000
End at: Tue, 04 Jul 2017 03:39:08 +0000
Local clock offset: -0.461 ms
Remote clock offset: -4.42 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 56.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.36 Mbit/s
95th percentile per-packet one-way delay: 56.963 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

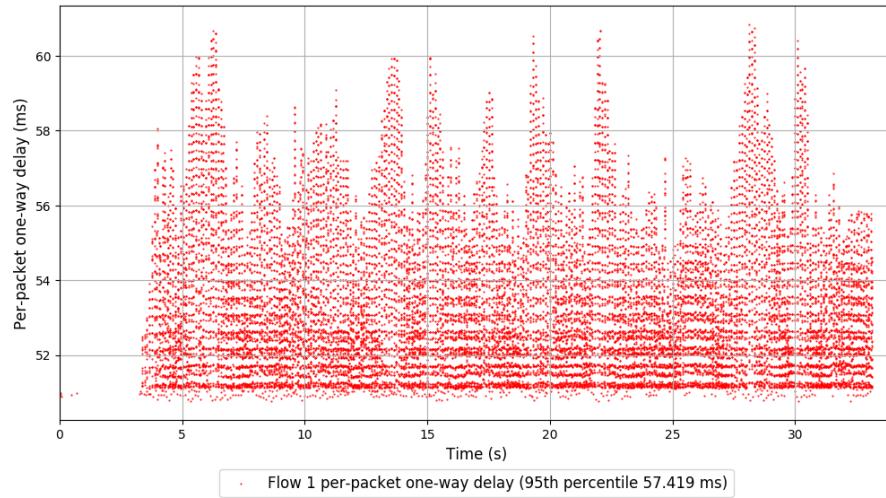
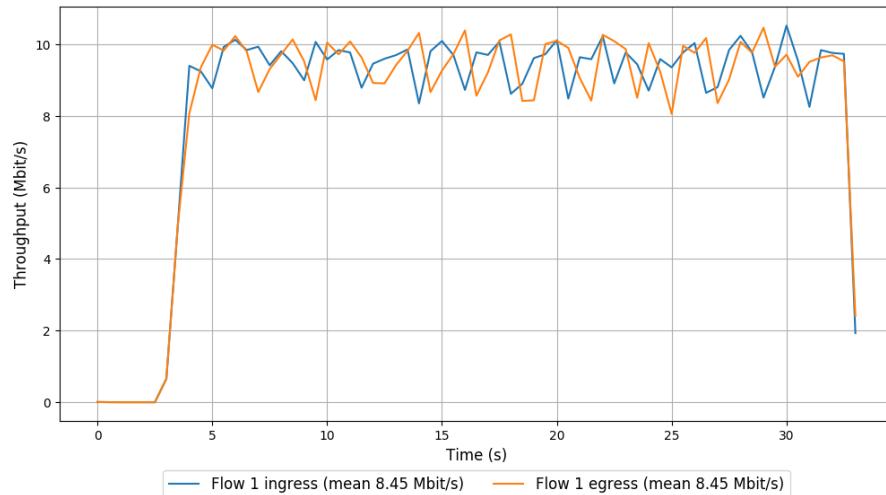


Run 8: Statistics of Sprout

```
Start at: Tue, 04 Jul 2017 03:58:08 +0000
End at: Tue, 04 Jul 2017 03:58:38 +0000
Local clock offset: -0.127 ms
Remote clock offset: -4.599 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 57.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 57.419 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

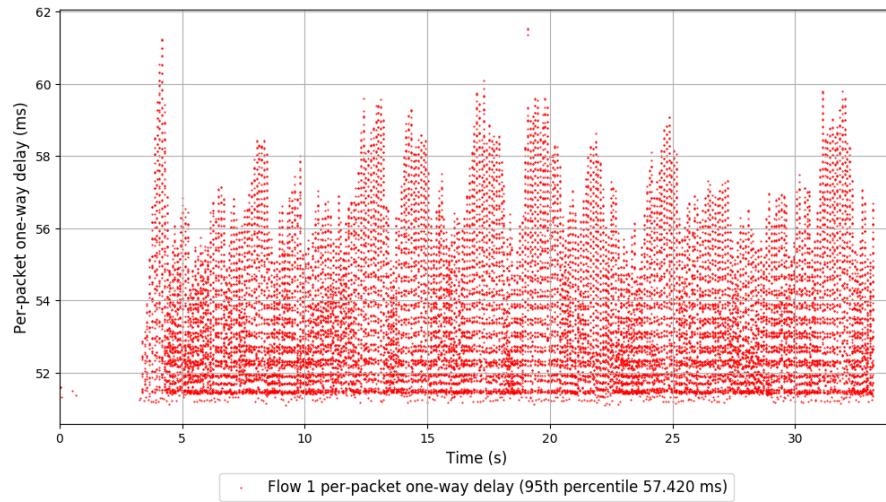
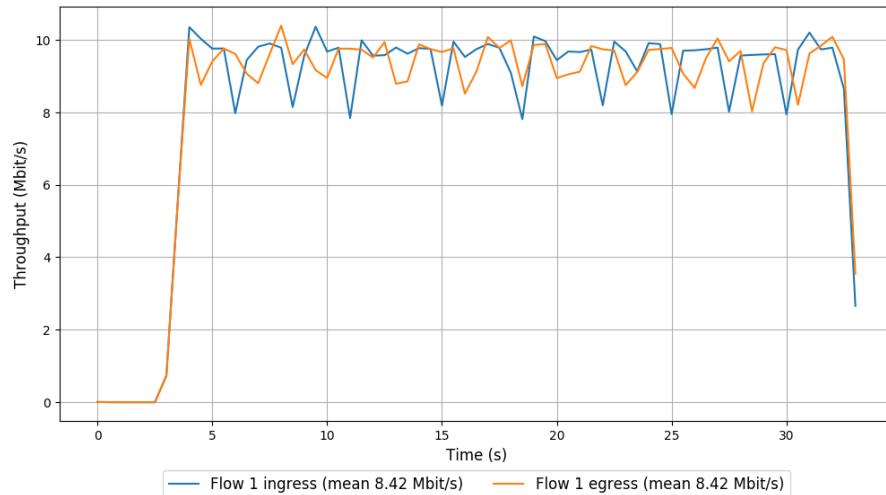


Run 9: Statistics of Sprout

```
Start at: Tue, 04 Jul 2017 04:17:52 +0000
End at: Tue, 04 Jul 2017 04:18:22 +0000
Local clock offset: 0.137 ms
Remote clock offset: -2.606 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 57.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.42 Mbit/s
95th percentile per-packet one-way delay: 57.420 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

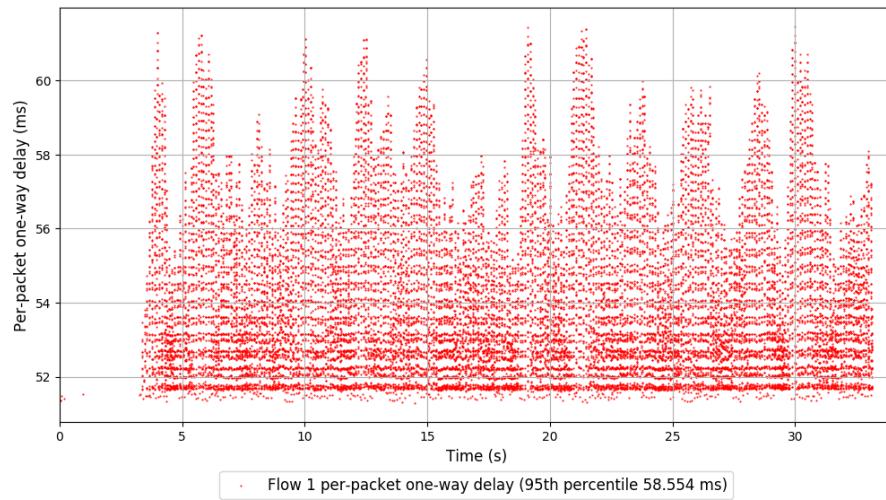
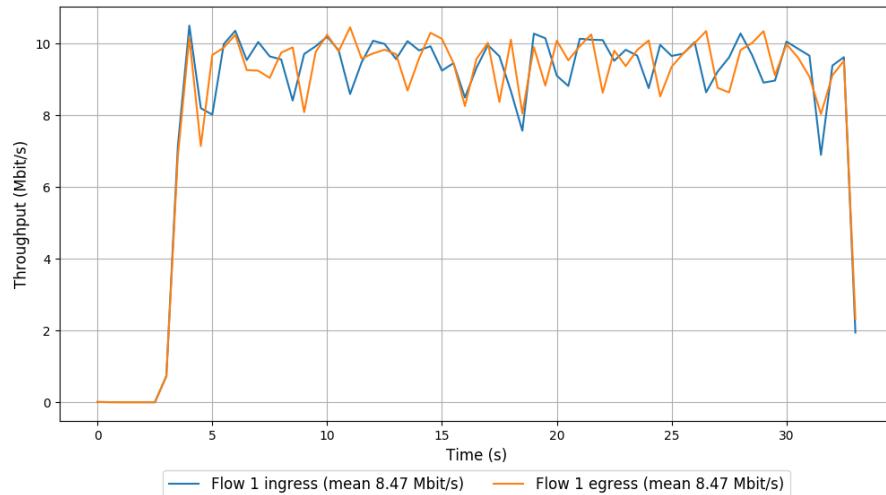


Run 10: Statistics of Sprout

```
Start at: Tue, 04 Jul 2017 04:37:34 +0000
End at: Tue, 04 Jul 2017 04:38:04 +0000
Local clock offset: 0.38 ms
Remote clock offset: -4.719 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 58.554 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 58.554 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Tue, 04 Jul 2017 01:44:58 +0000

End at: Tue, 04 Jul 2017 01:45:28 +0000

Local clock offset: 0.544 ms

Remote clock offset: -2.474 ms

Below is generated by plot.py at Tue, 04 Jul 2017 08:43:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.67 Mbit/s

95th percentile per-packet one-way delay: 69.943 ms

Loss rate: 0.71%

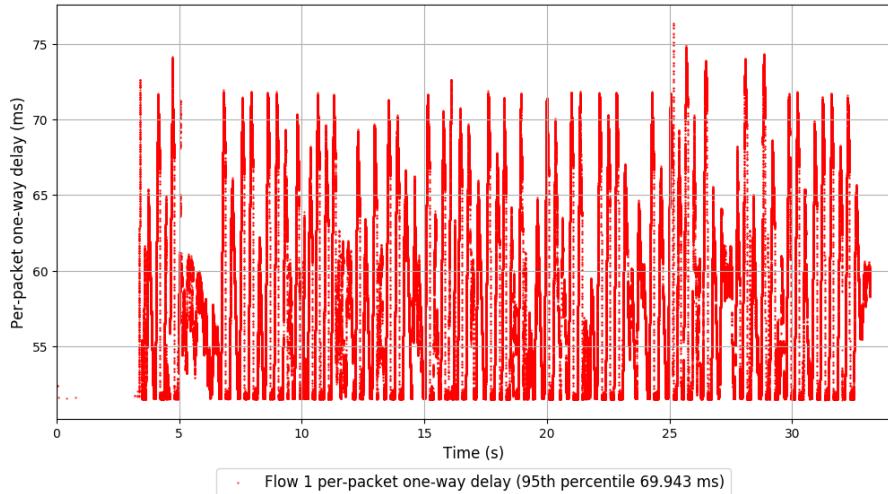
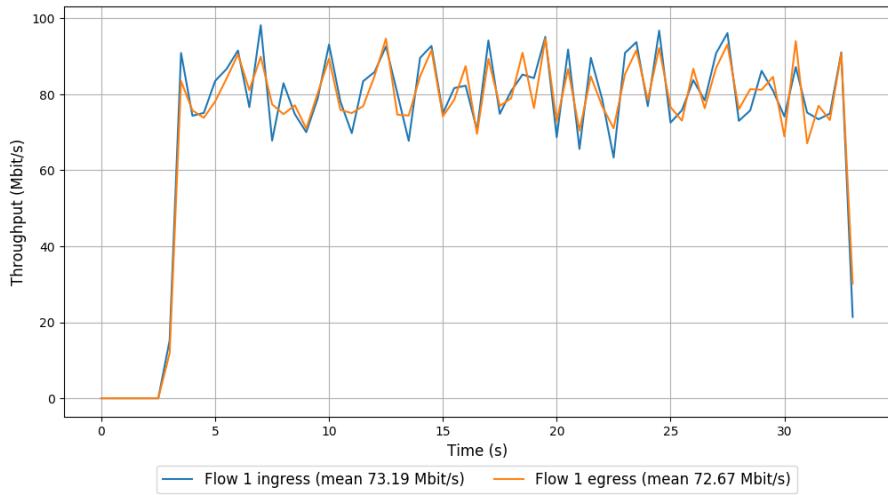
-- Flow 1:

Average throughput: 72.67 Mbit/s

95th percentile per-packet one-way delay: 69.943 ms

Loss rate: 0.71%

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

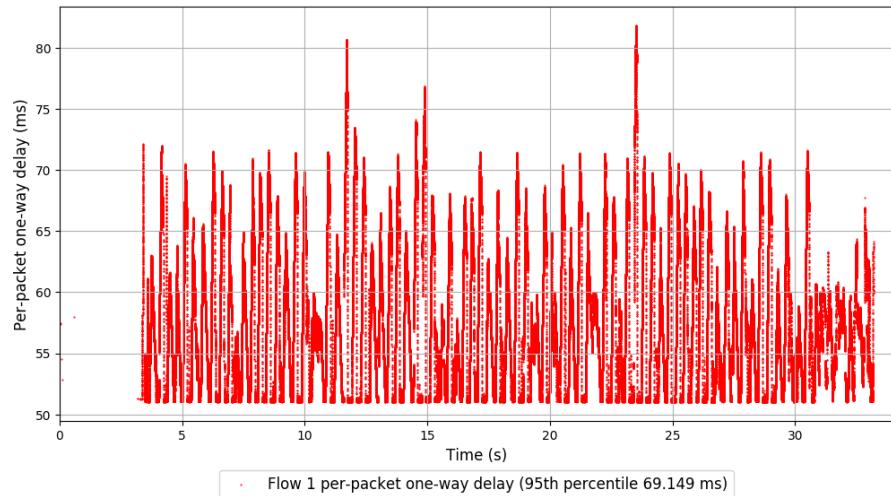
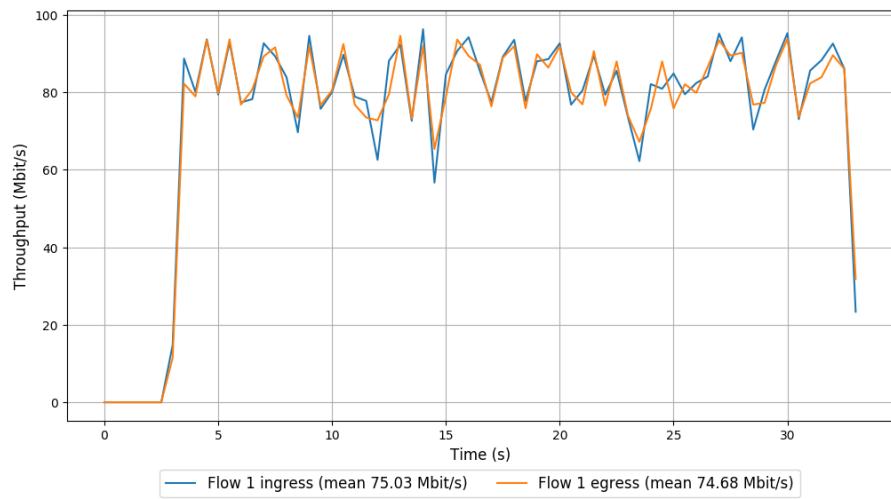


Run 2: Statistics of TaoVA-100x

```
Start at: Tue, 04 Jul 2017 02:04:32 +0000
End at: Tue, 04 Jul 2017 02:05:02 +0000
Local clock offset: 0.353 ms
Remote clock offset: -1.706 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:43:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 69.149 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 69.149 ms
Loss rate: 0.48%
```

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

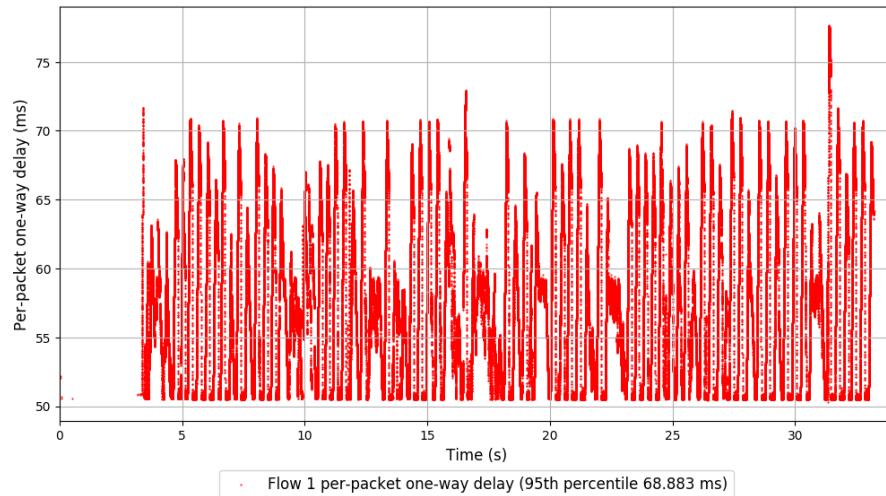
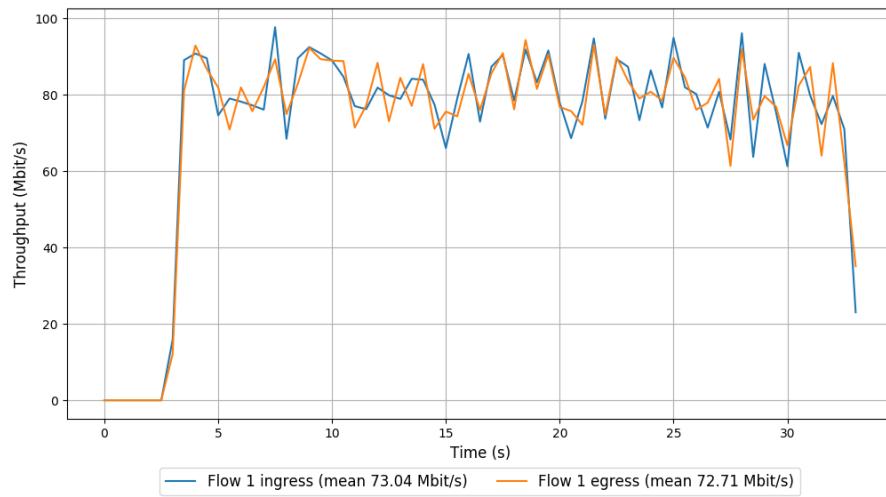


Run 3: Statistics of TaoVA-100x

```
Start at: Tue, 04 Jul 2017 02:24:07 +0000
End at: Tue, 04 Jul 2017 02:24:37 +0000
Local clock offset: 0.101 ms
Remote clock offset: -2.31 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:44:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.71 Mbit/s
95th percentile per-packet one-way delay: 68.883 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 72.71 Mbit/s
95th percentile per-packet one-way delay: 68.883 ms
Loss rate: 0.43%
```

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

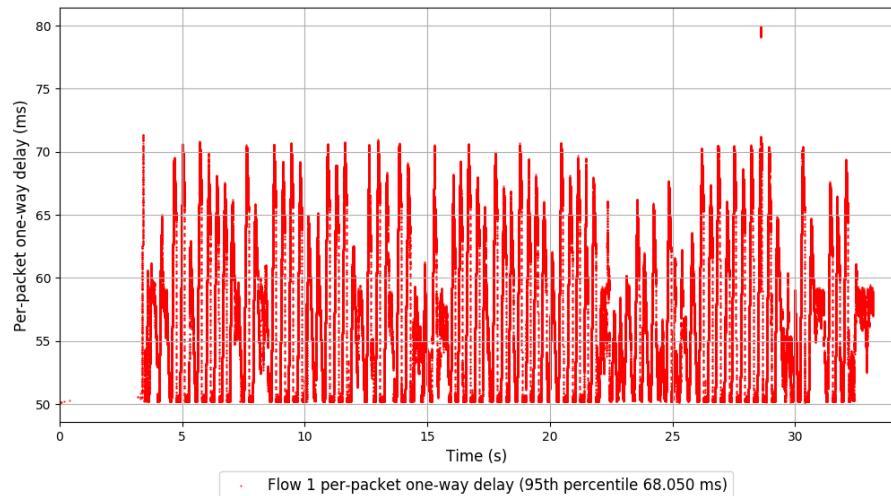
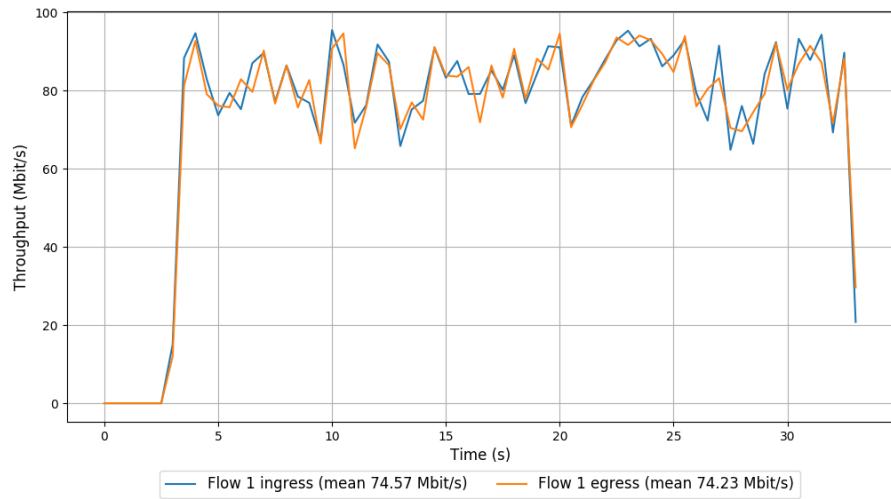


Run 4: Statistics of TaoVA-100x

```
Start at: Tue, 04 Jul 2017 02:43:41 +0000
End at: Tue, 04 Jul 2017 02:44:11 +0000
Local clock offset: -0.189 ms
Remote clock offset: -3.939 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:44:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.23 Mbit/s
95th percentile per-packet one-way delay: 68.050 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 74.23 Mbit/s
95th percentile per-packet one-way delay: 68.050 ms
Loss rate: 0.44%
```

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

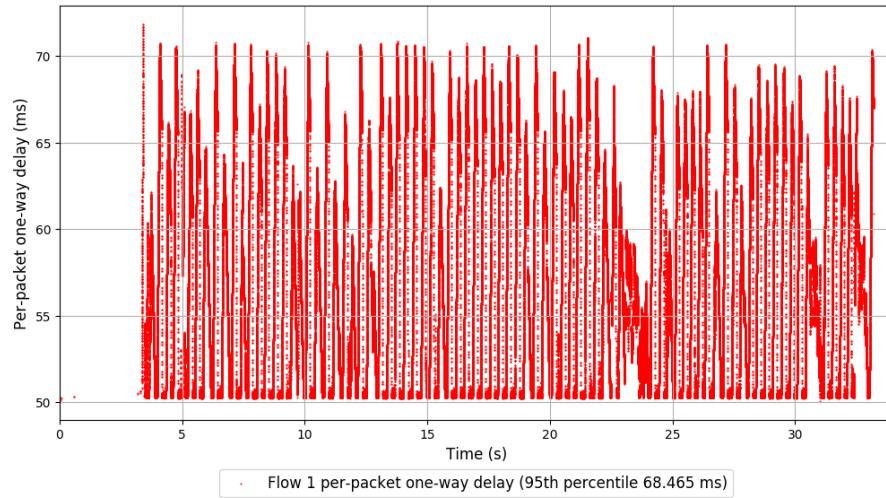
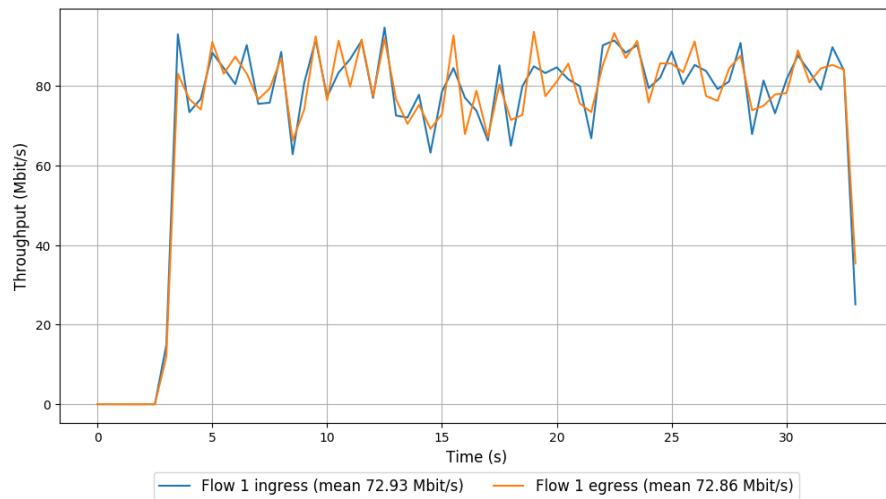


Run 5: Statistics of TaoVA-100x

```
Start at: Tue, 04 Jul 2017 03:03:21 +0000
End at: Tue, 04 Jul 2017 03:03:51 +0000
Local clock offset: -0.392 ms
Remote clock offset: -4.062 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:44:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.86 Mbit/s
95th percentile per-packet one-way delay: 68.465 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 72.86 Mbit/s
95th percentile per-packet one-way delay: 68.465 ms
Loss rate: 0.06%
```

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

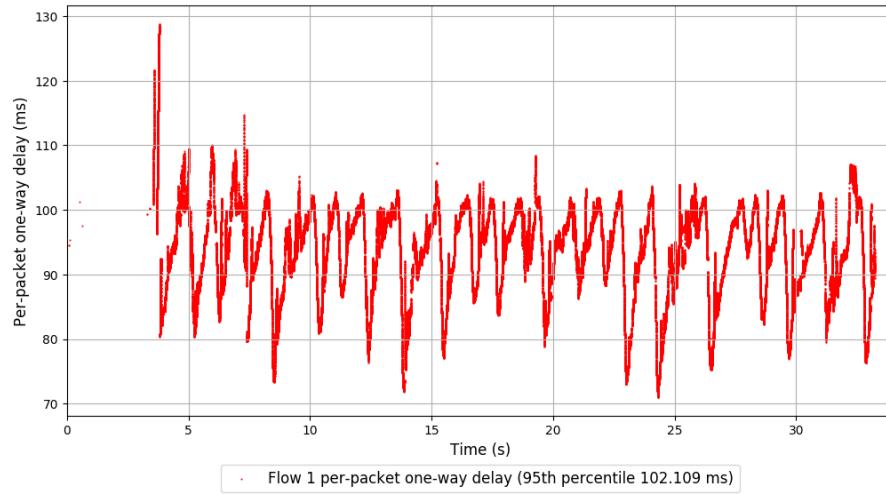
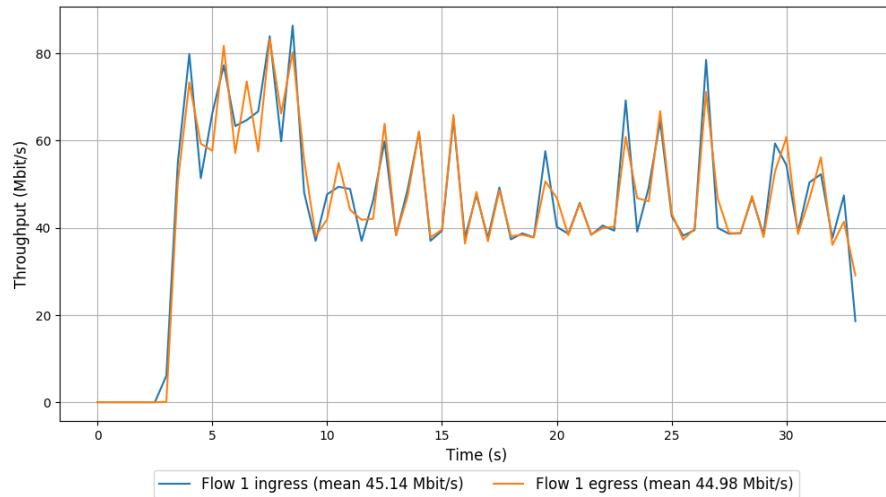


Run 6: Statistics of TaoVA-100x

```
Start at: Tue, 04 Jul 2017 03:22:56 +0000
End at: Tue, 04 Jul 2017 03:23:26 +0000
Local clock offset: -0.467 ms
Remote clock offset: -2.554 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:44:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.98 Mbit/s
95th percentile per-packet one-way delay: 102.109 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 44.98 Mbit/s
95th percentile per-packet one-way delay: 102.109 ms
Loss rate: 0.43%
```

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

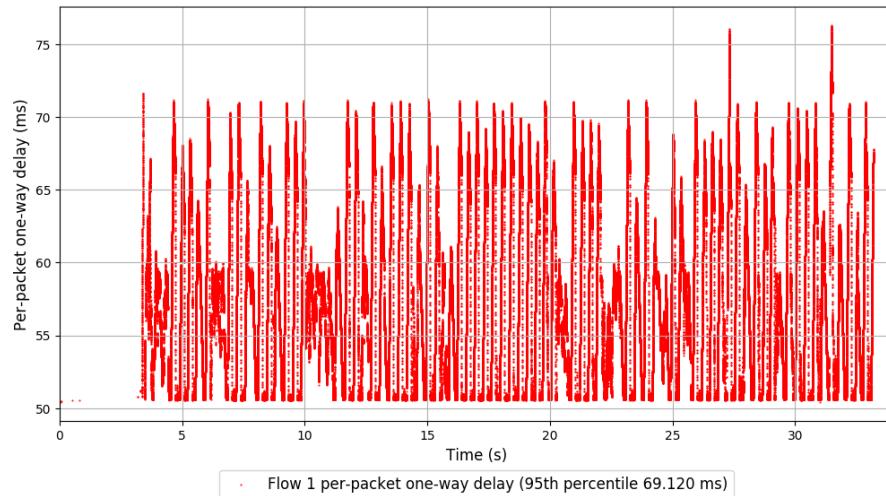
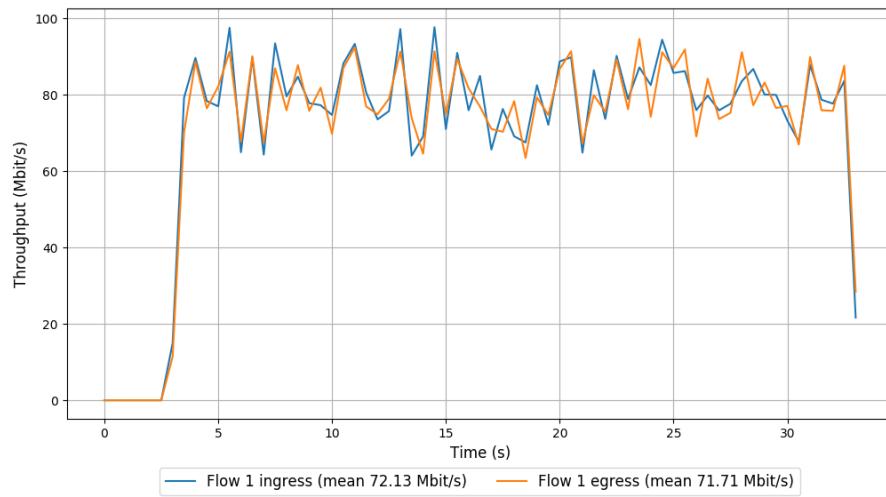


Run 7: Statistics of TaoVA-100x

```
Start at: Tue, 04 Jul 2017 03:42:25 +0000
End at: Tue, 04 Jul 2017 03:42:55 +0000
Local clock offset: -0.447 ms
Remote clock offset: -4.471 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:44:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.71 Mbit/s
95th percentile per-packet one-way delay: 69.120 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 71.71 Mbit/s
95th percentile per-packet one-way delay: 69.120 ms
Loss rate: 0.53%
```

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

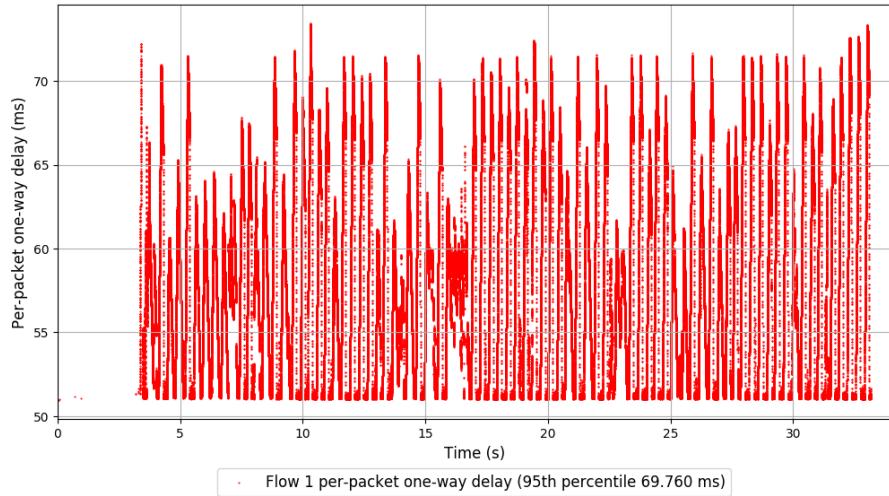
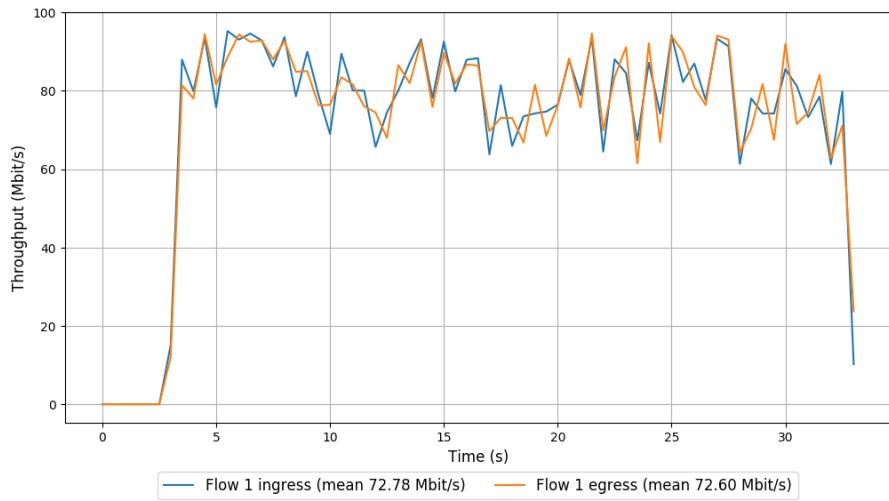


Run 8: Statistics of TaoVA-100x

```
Start at: Tue, 04 Jul 2017 04:01:59 +0000
End at: Tue, 04 Jul 2017 04:02:29 +0000
Local clock offset: -0.065 ms
Remote clock offset: -2.511 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:44:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.60 Mbit/s
95th percentile per-packet one-way delay: 69.760 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 72.60 Mbit/s
95th percentile per-packet one-way delay: 69.760 ms
Loss rate: 0.24%
```

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

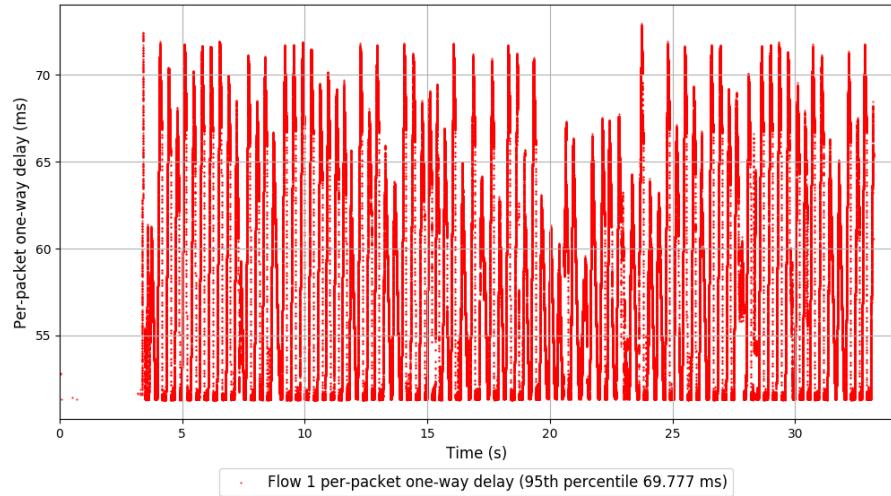
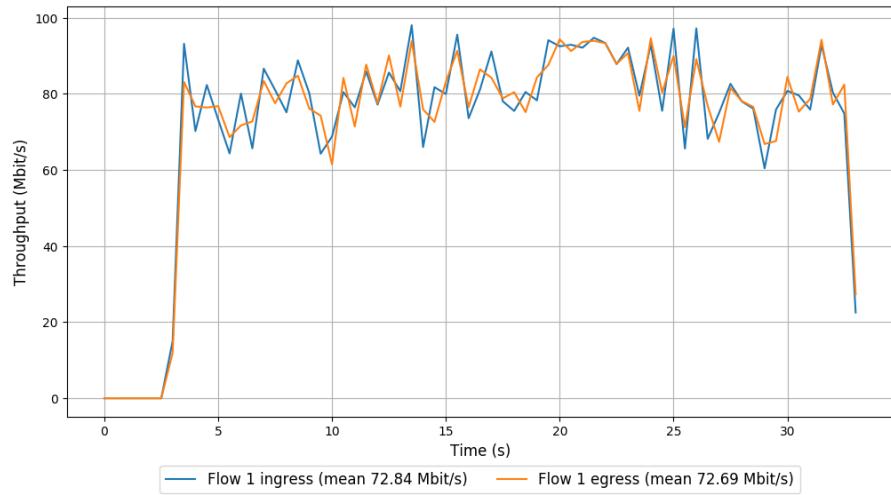


Run 9: Statistics of TaoVA-100x

```
Start at: Tue, 04 Jul 2017 04:21:44 +0000
End at: Tue, 04 Jul 2017 04:22:14 +0000
Local clock offset: 0.139 ms
Remote clock offset: -2.95 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.69 Mbit/s
95th percentile per-packet one-way delay: 69.777 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 72.69 Mbit/s
95th percentile per-packet one-way delay: 69.777 ms
Loss rate: 0.18%
```

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

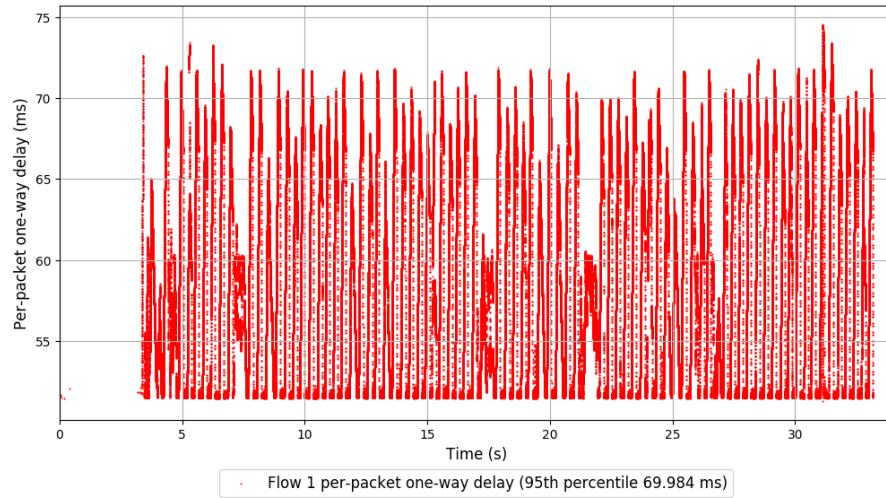
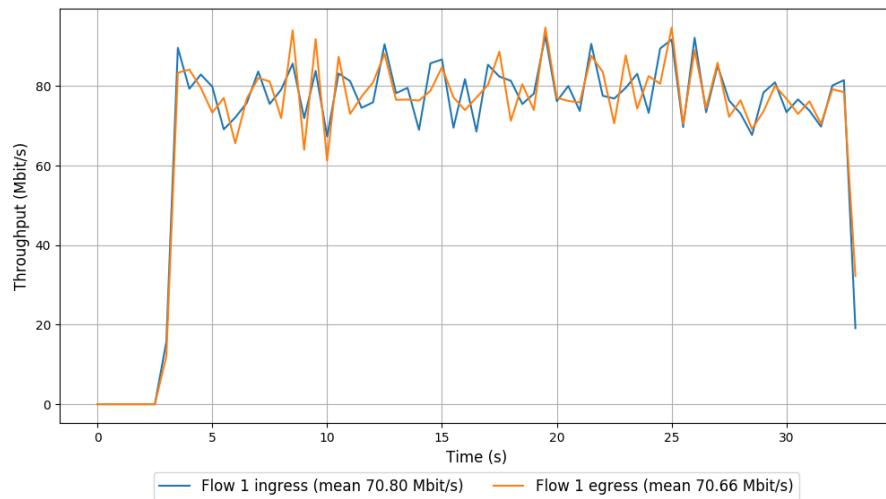


Run 10: Statistics of TaoVA-100x

```
Start at: Tue, 04 Jul 2017 04:41:24 +0000
End at: Tue, 04 Jul 2017 04:41:54 +0000
Local clock offset: 0.298 ms
Remote clock offset: -2.495 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.66 Mbit/s
95th percentile per-packet one-way delay: 69.984 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 70.66 Mbit/s
95th percentile per-packet one-way delay: 69.984 ms
Loss rate: 0.22%
```

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

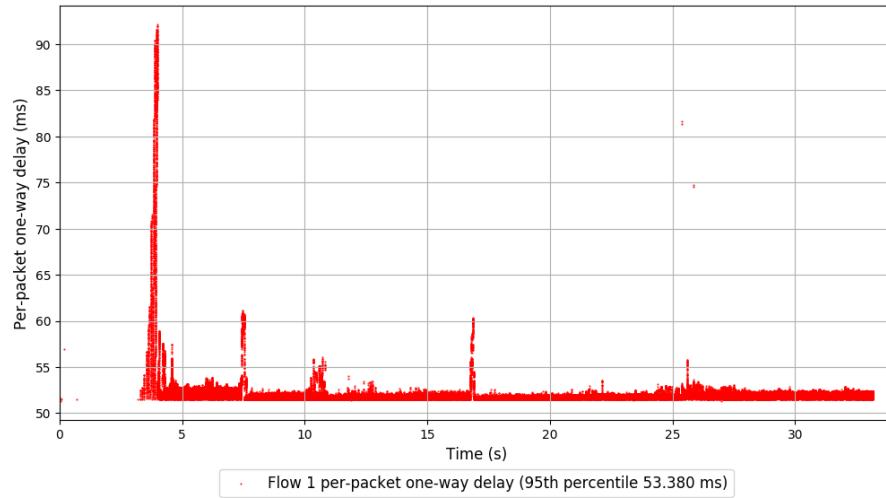
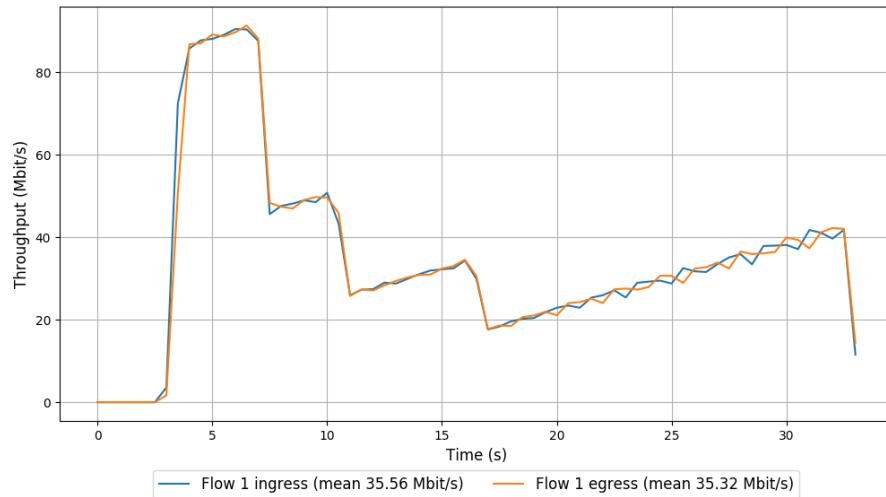


Run 1: Statistics of TCP Vegas

```
Start at: Tue, 04 Jul 2017 01:47:39 +0000
End at: Tue, 04 Jul 2017 01:48:09 +0000
Local clock offset: 0.419 ms
Remote clock offset: -4.549 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 53.380 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 35.32 Mbit/s
95th percentile per-packet one-way delay: 53.380 ms
Loss rate: 0.66%
```

Run 1: Report of TCP Vegas — Data Link

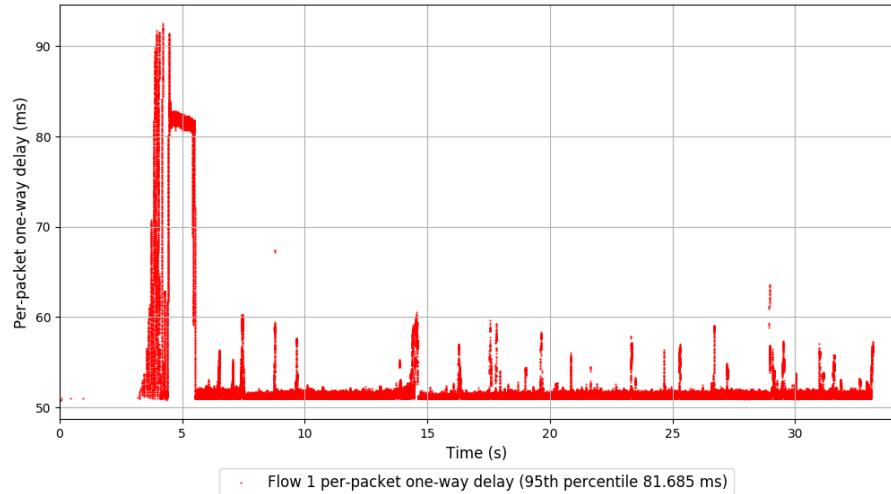
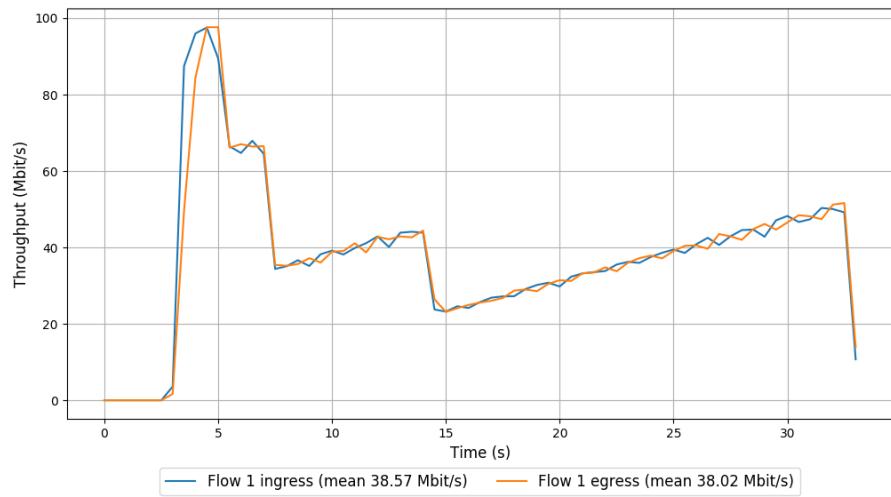


Run 2: Statistics of TCP Vegas

```
Start at: Tue, 04 Jul 2017 02:07:13 +0000
End at: Tue, 04 Jul 2017 02:07:43 +0000
Local clock offset: 0.251 ms
Remote clock offset: -1.97 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 81.685 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 38.02 Mbit/s
95th percentile per-packet one-way delay: 81.685 ms
Loss rate: 1.41%
```

Run 2: Report of TCP Vegas — Data Link

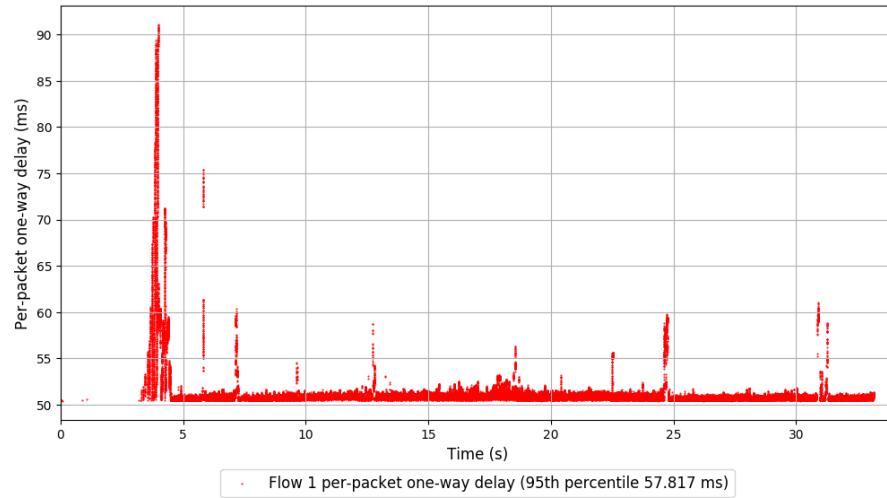
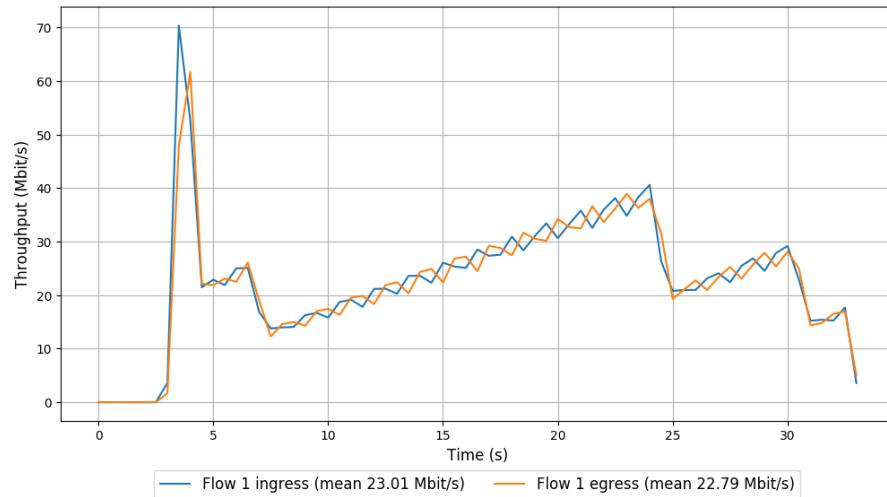


Run 3: Statistics of TCP Vegas

```
Start at: Tue, 04 Jul 2017 02:26:47 +0000
End at: Tue, 04 Jul 2017 02:27:17 +0000
Local clock offset: 0.047 ms
Remote clock offset: -2.224 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 57.817 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 57.817 ms
Loss rate: 1.01%
```

Run 3: Report of TCP Vegas — Data Link

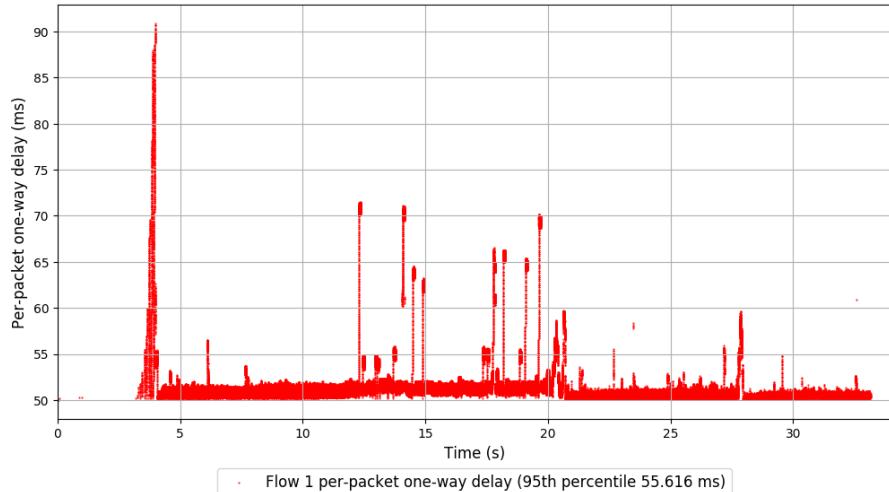
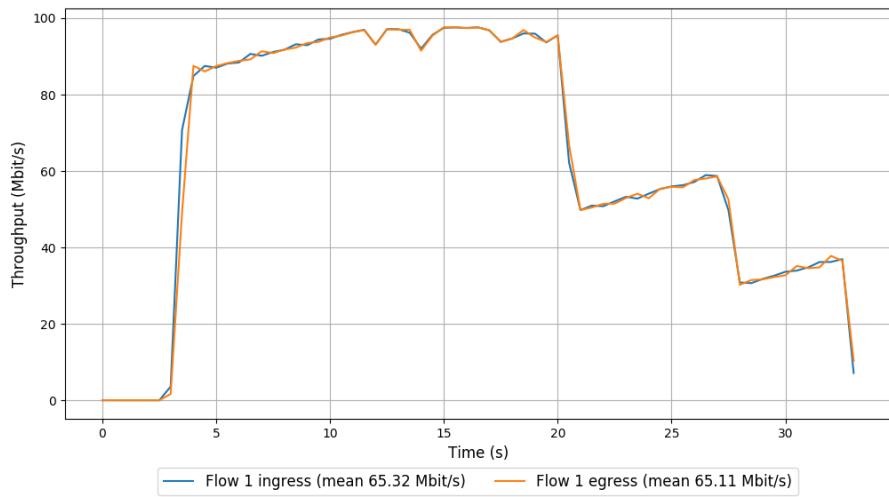


Run 4: Statistics of TCP Vegas

```
Start at: Tue, 04 Jul 2017 02:46:23 +0000
End at: Tue, 04 Jul 2017 02:46:53 +0000
Local clock offset: -0.264 ms
Remote clock offset: -1.769 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.11 Mbit/s
95th percentile per-packet one-way delay: 55.616 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 65.11 Mbit/s
95th percentile per-packet one-way delay: 55.616 ms
Loss rate: 0.33%
```

Run 4: Report of TCP Vegas — Data Link

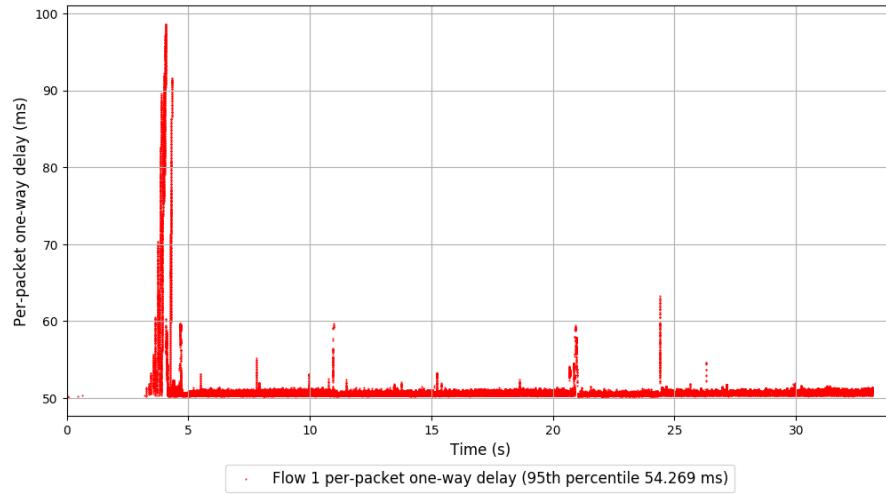
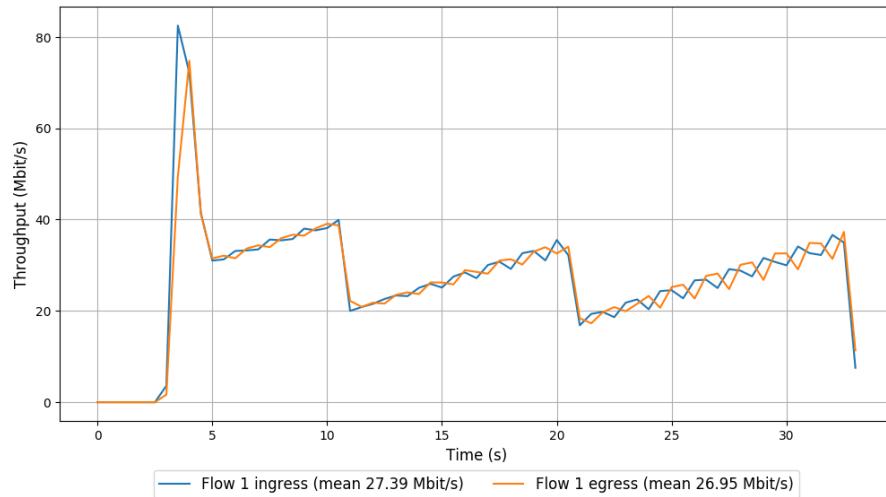


Run 5: Statistics of TCP Vegas

```
Start at: Tue, 04 Jul 2017 03:06:02 +0000
End at: Tue, 04 Jul 2017 03:06:32 +0000
Local clock offset: -0.381 ms
Remote clock offset: -2.075 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 54.269 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 54.269 ms
Loss rate: 1.60%
```

Run 5: Report of TCP Vegas — Data Link

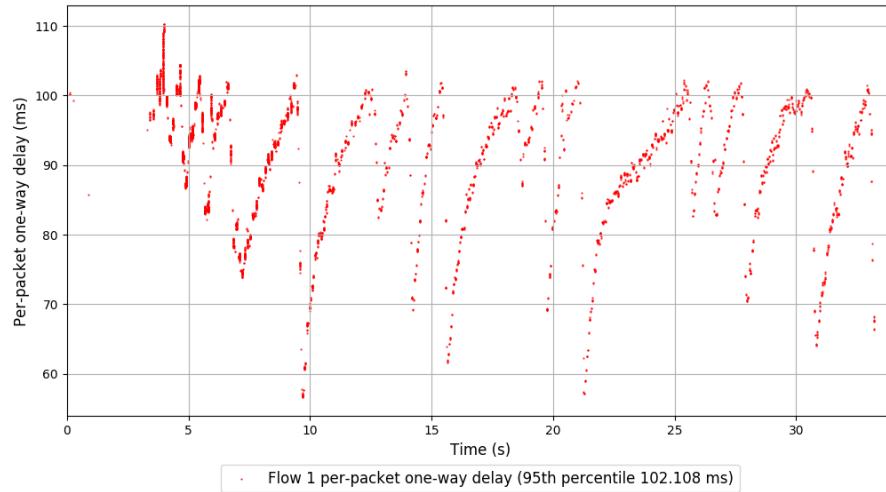
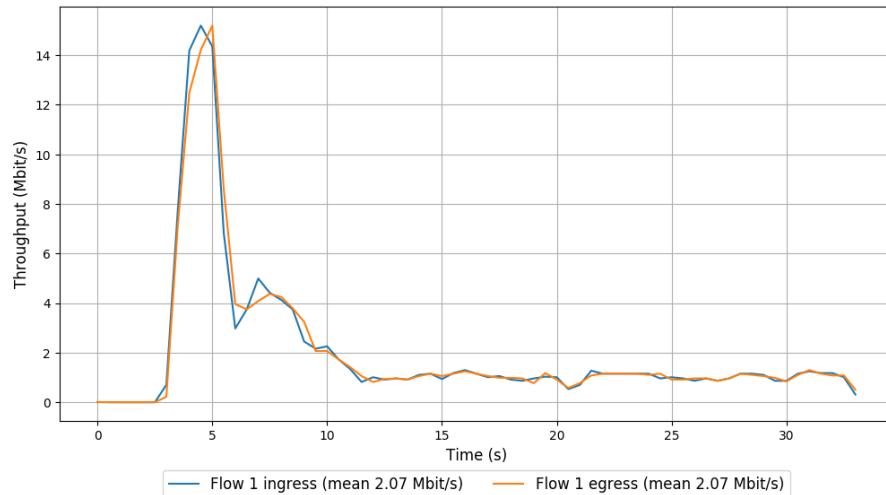


Run 6: Statistics of TCP Vegas

```
Start at: Tue, 04 Jul 2017 03:25:36 +0000
End at: Tue, 04 Jul 2017 03:26:06 +0000
Local clock offset: -0.504 ms
Remote clock offset: -4.274 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 102.108 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 2.07 Mbit/s
95th percentile per-packet one-way delay: 102.108 ms
Loss rate: 0.12%
```

Run 6: Report of TCP Vegas — Data Link

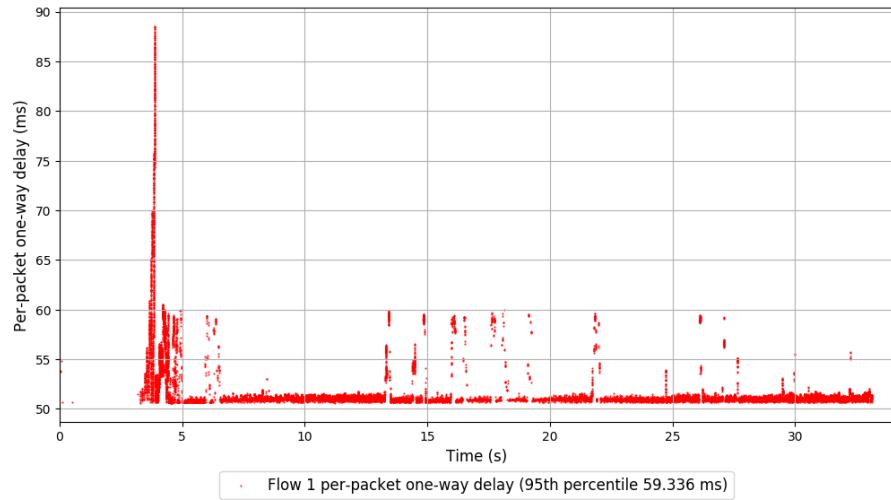
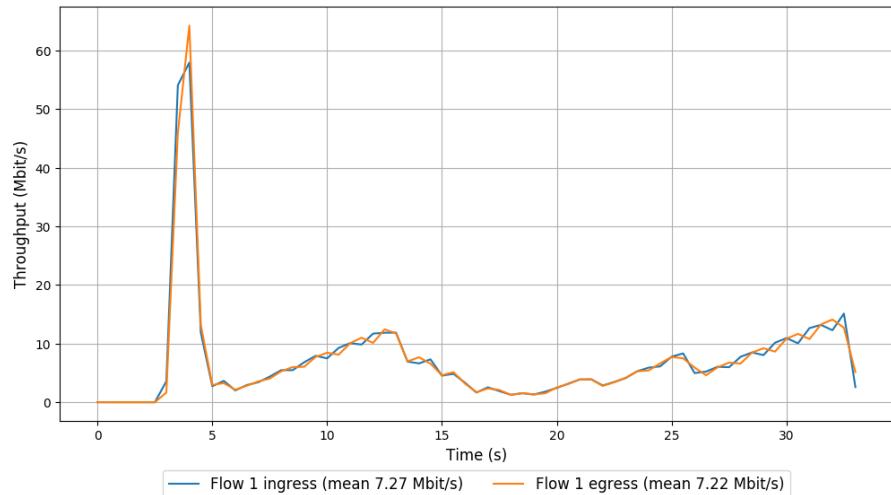


Run 7: Statistics of TCP Vegas

```
Start at: Tue, 04 Jul 2017 03:45:05 +0000
End at: Tue, 04 Jul 2017 03:45:35 +0000
Local clock offset: -0.427 ms
Remote clock offset: -4.536 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 59.336 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 7.22 Mbit/s
95th percentile per-packet one-way delay: 59.336 ms
Loss rate: 0.63%
```

Run 7: Report of TCP Vegas — Data Link

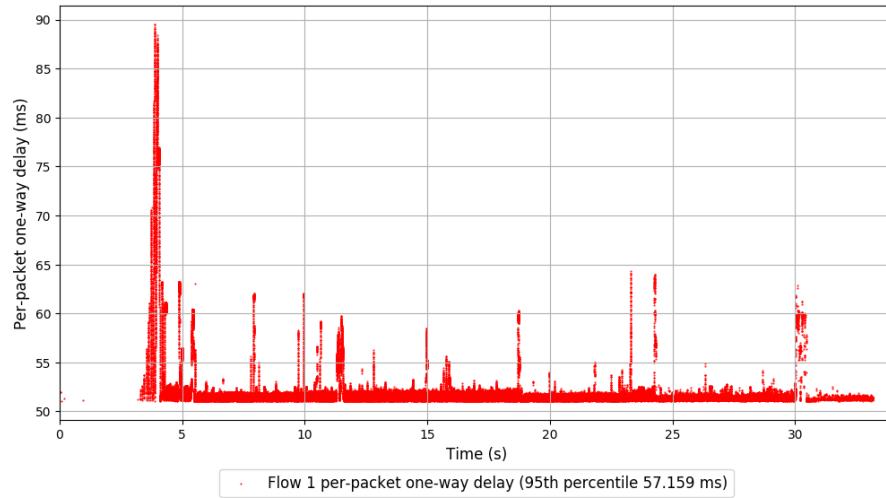
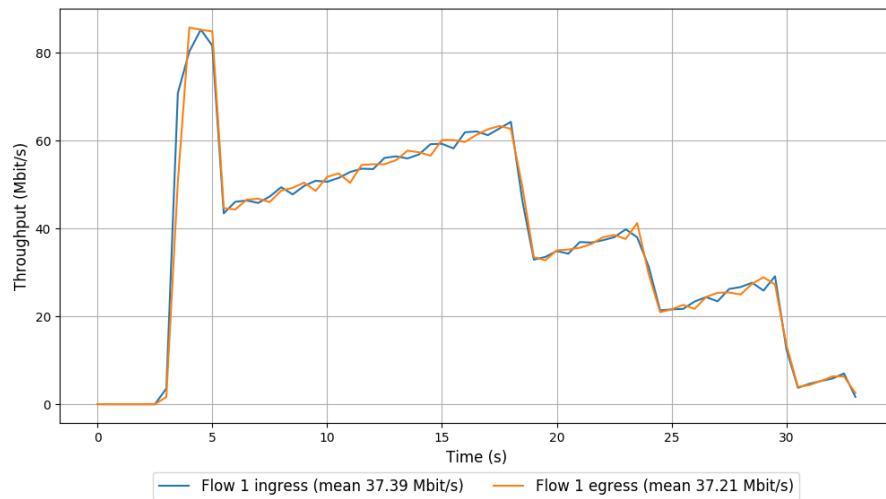


Run 8: Statistics of TCP Vegas

```
Start at: Tue, 04 Jul 2017 04:04:40 +0000
End at: Tue, 04 Jul 2017 04:05:10 +0000
Local clock offset: -0.116 ms
Remote clock offset: -4.614 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 57.159 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 57.159 ms
Loss rate: 0.50%
```

Run 8: Report of TCP Vegas — Data Link

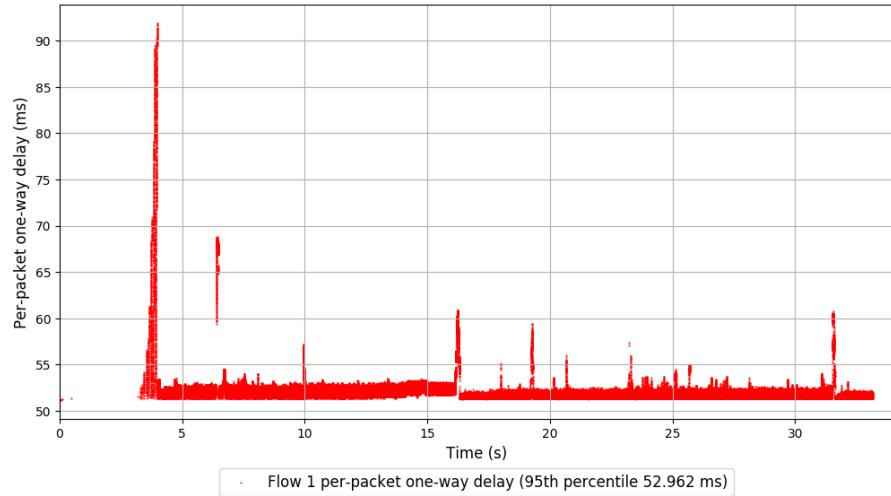
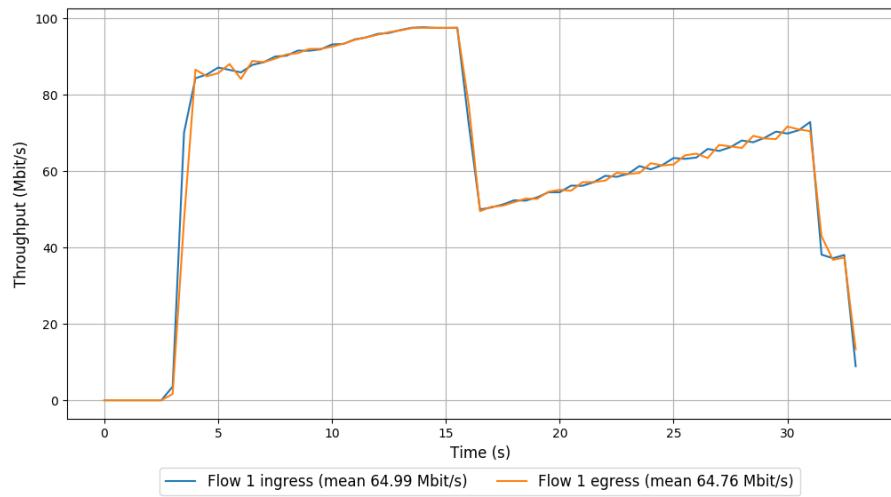


Run 9: Statistics of TCP Vegas

```
Start at: Tue, 04 Jul 2017 04:24:25 +0000
End at: Tue, 04 Jul 2017 04:24:55 +0000
Local clock offset: 0.156 ms
Remote clock offset: -5.029 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.76 Mbit/s
95th percentile per-packet one-way delay: 52.962 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 64.76 Mbit/s
95th percentile per-packet one-way delay: 52.962 ms
Loss rate: 0.37%
```

Run 9: Report of TCP Vegas — Data Link

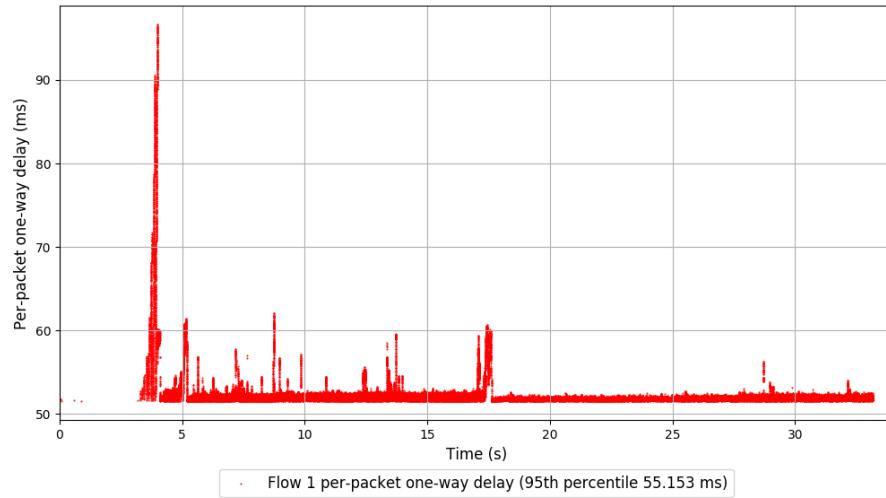
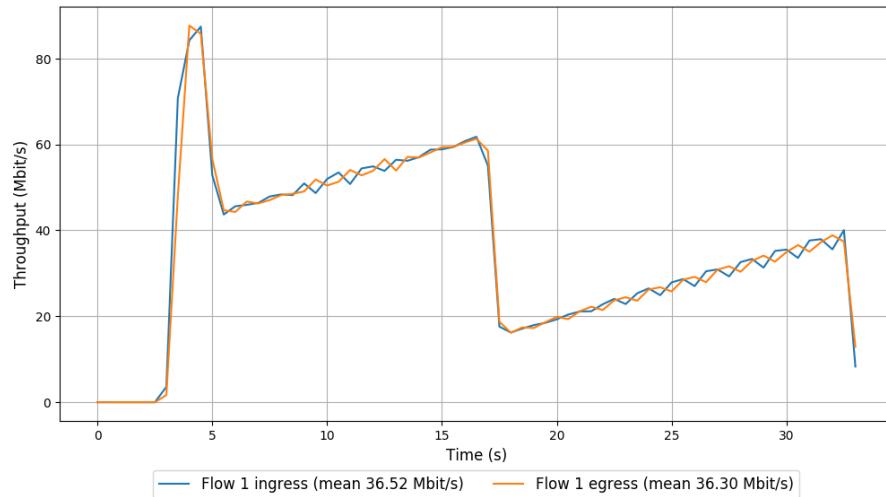


Run 10: Statistics of TCP Vegas

```
Start at: Tue, 04 Jul 2017 04:44:04 +0000
End at: Tue, 04 Jul 2017 04:44:34 +0000
Local clock offset: 0.322 ms
Remote clock offset: -5.027 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 55.153 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 36.30 Mbit/s
95th percentile per-packet one-way delay: 55.153 ms
Loss rate: 0.61%
```

Run 10: Report of TCP Vegas — Data Link

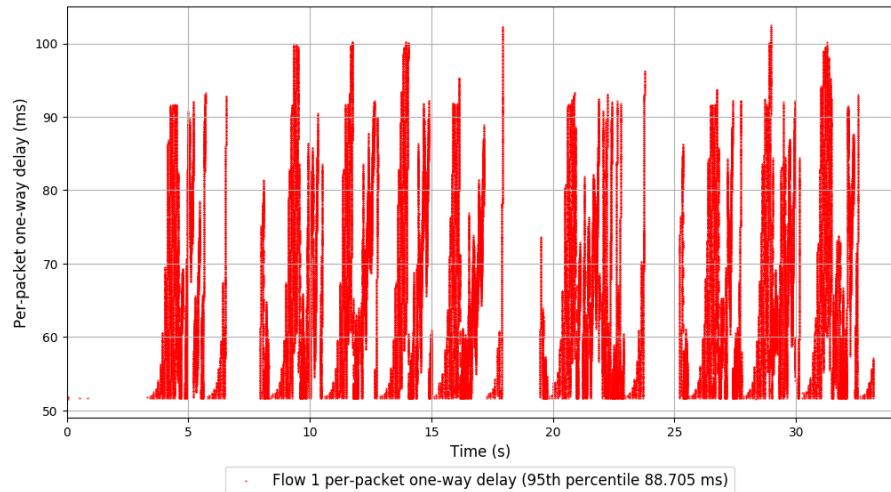
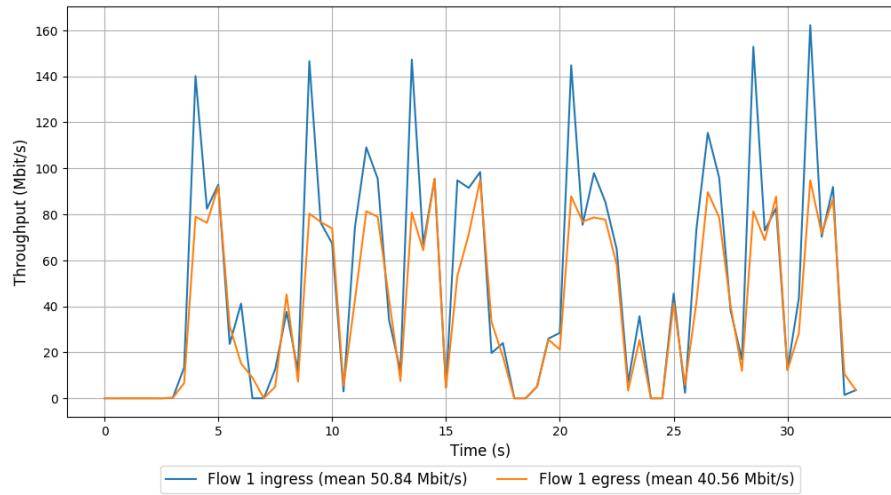


Run 1: Statistics of Verus

```
Start at: Tue, 04 Jul 2017 01:35:48 +0000
End at: Tue, 04 Jul 2017 01:36:18 +0000
Local clock offset: 0.609 ms
Remote clock offset: -2.112 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 88.705 ms
Loss rate: 20.22%
-- Flow 1:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 88.705 ms
Loss rate: 20.22%
```

Run 1: Report of Verus — Data Link

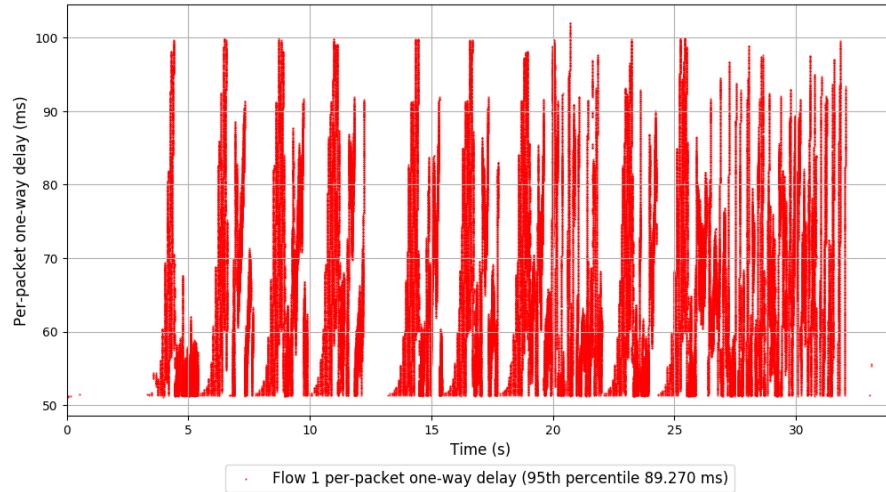
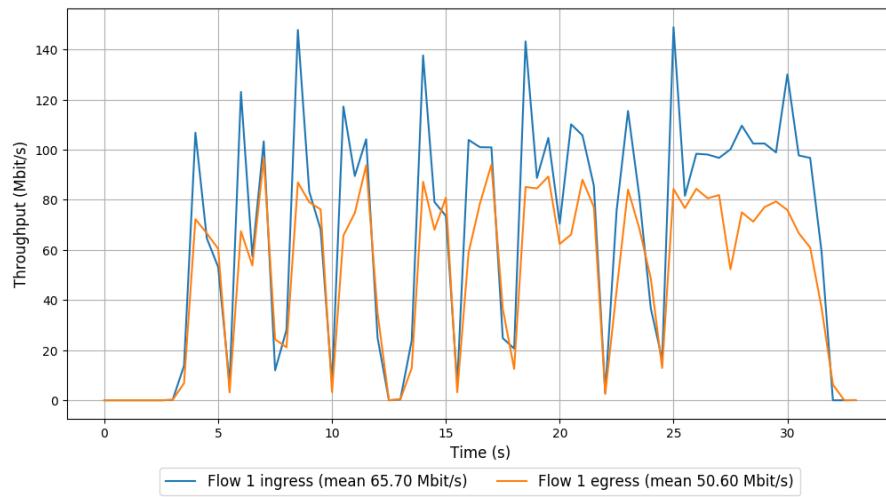


Run 2: Statistics of Verus

```
Start at: Tue, 04 Jul 2017 01:55:26 +0000
End at: Tue, 04 Jul 2017 01:55:56 +0000
Local clock offset: 0.474 ms
Remote clock offset: -2.267 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.60 Mbit/s
95th percentile per-packet one-way delay: 89.270 ms
Loss rate: 22.97%
-- Flow 1:
Average throughput: 50.60 Mbit/s
95th percentile per-packet one-way delay: 89.270 ms
Loss rate: 22.97%
```

Run 2: Report of Verus — Data Link

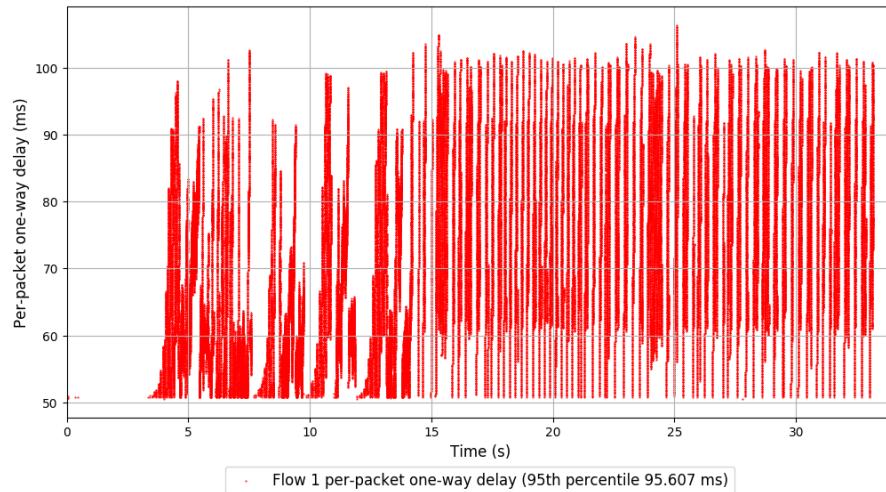
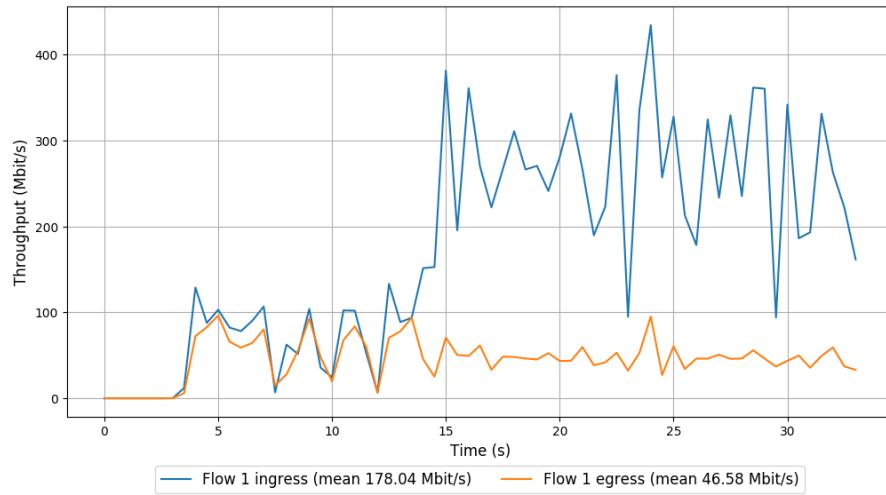


Run 3: Statistics of Verus

```
Start at: Tue, 04 Jul 2017 02:14:58 +0000
End at: Tue, 04 Jul 2017 02:15:28 +0000
Local clock offset: 0.127 ms
Remote clock offset: -4.481 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 95.607 ms
Loss rate: 73.82%
-- Flow 1:
Average throughput: 46.58 Mbit/s
95th percentile per-packet one-way delay: 95.607 ms
Loss rate: 73.82%
```

Run 3: Report of Verus — Data Link

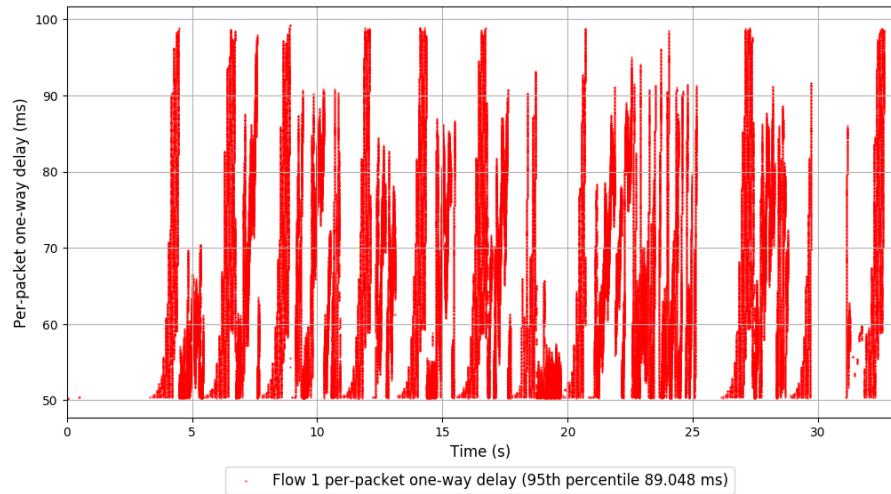
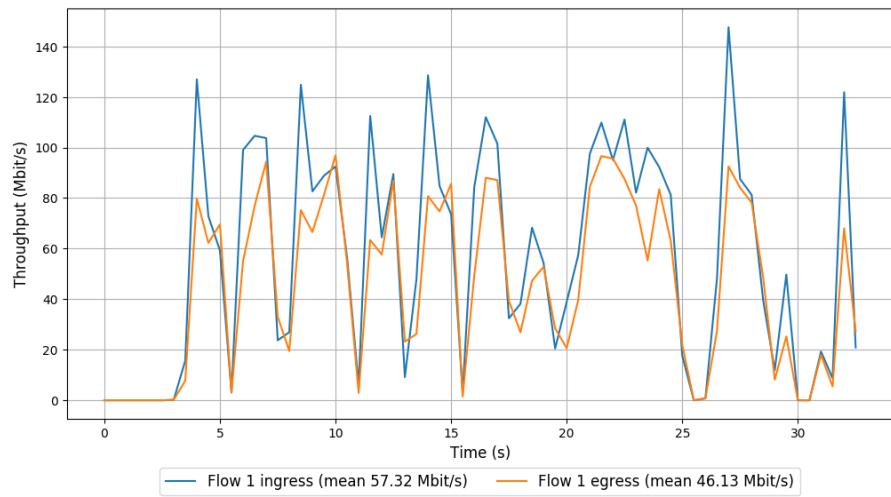


Run 4: Statistics of Verus

```
Start at: Tue, 04 Jul 2017 02:34:33 +0000
End at: Tue, 04 Jul 2017 02:35:03 +0000
Local clock offset: -0.097 ms
Remote clock offset: -3.891 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 89.048 ms
Loss rate: 19.44%
-- Flow 1:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 89.048 ms
Loss rate: 19.44%
```

Run 4: Report of Verus — Data Link

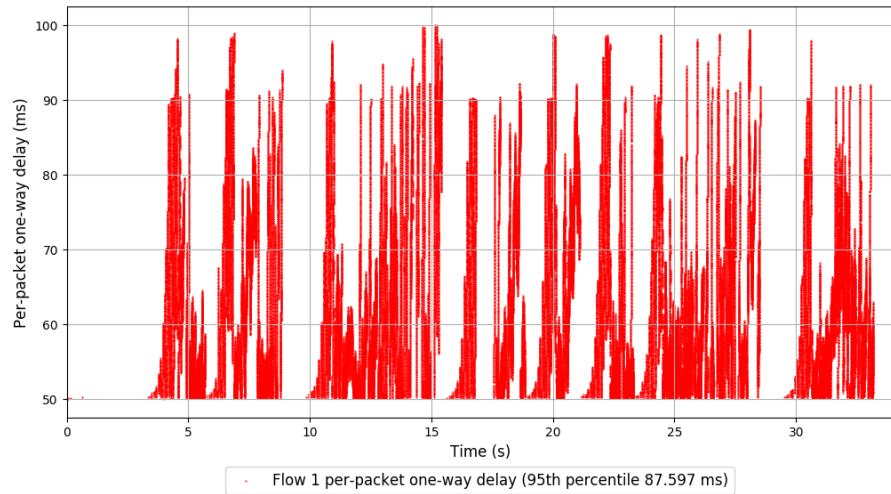
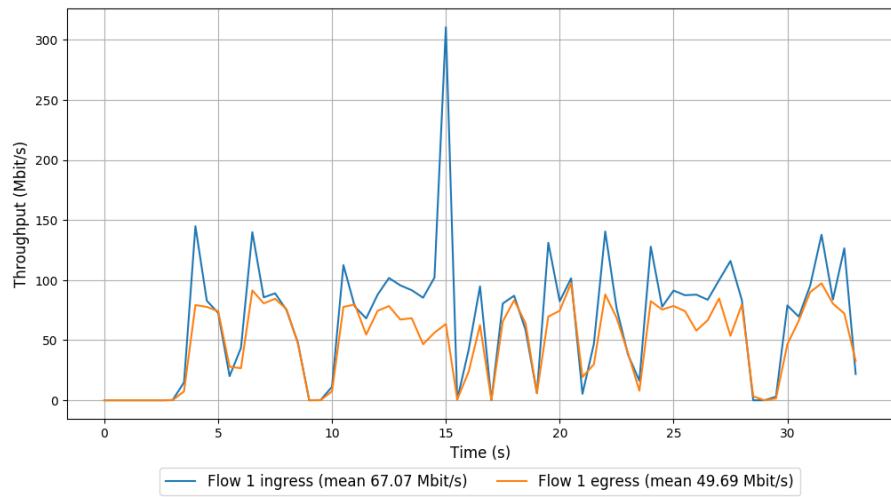


Run 5: Statistics of Verus

```
Start at: Tue, 04 Jul 2017 02:54:11 +0000
End at: Tue, 04 Jul 2017 02:54:41 +0000
Local clock offset: -0.355 ms
Remote clock offset: -3.996 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:45:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 87.597 ms
Loss rate: 25.89%
-- Flow 1:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 87.597 ms
Loss rate: 25.89%
```

Run 5: Report of Verus — Data Link

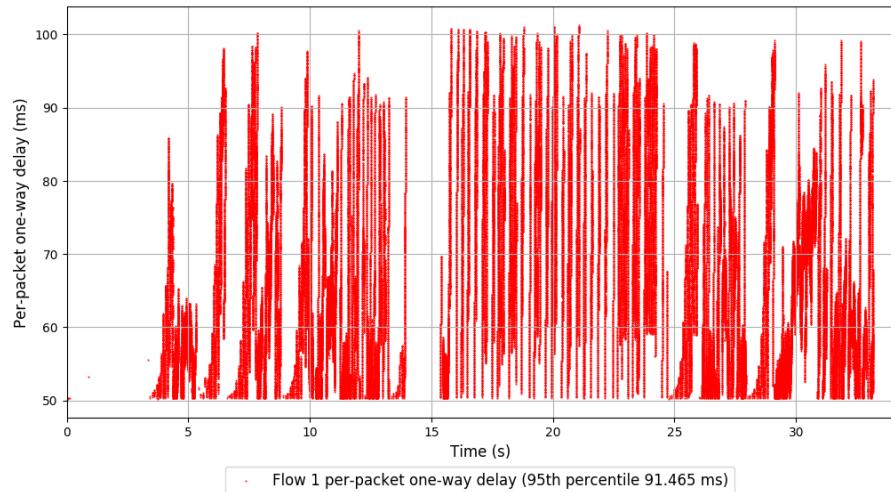
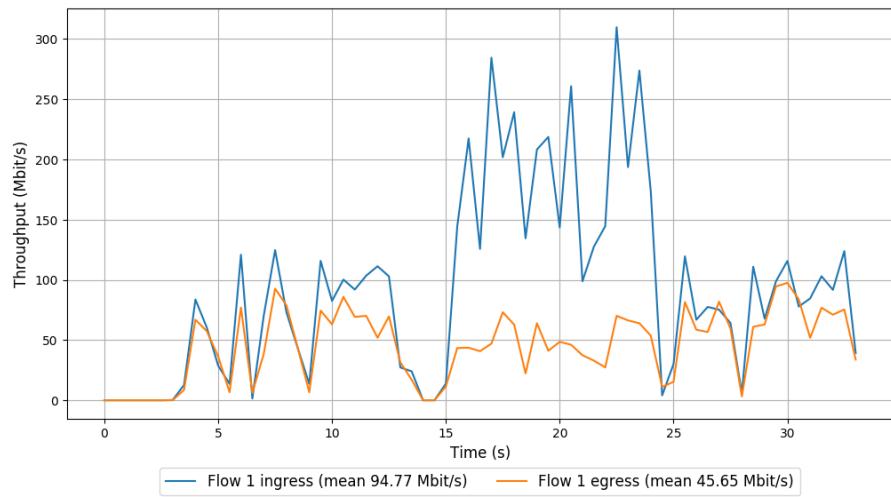


Run 6: Statistics of Verus

```
Start at: Tue, 04 Jul 2017 03:13:49 +0000
End at: Tue, 04 Jul 2017 03:14:19 +0000
Local clock offset: -0.347 ms
Remote clock offset: -2.484 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 91.465 ms
Loss rate: 51.80%
-- Flow 1:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 91.465 ms
Loss rate: 51.80%
```

Run 6: Report of Verus — Data Link

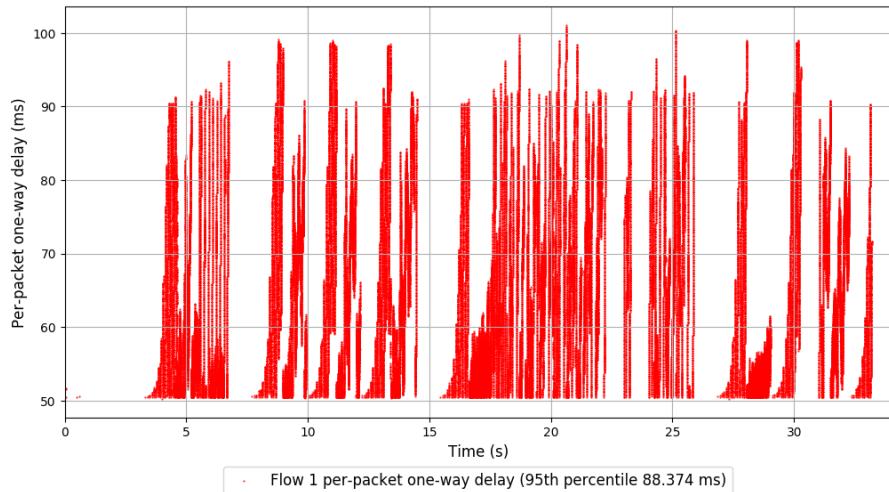
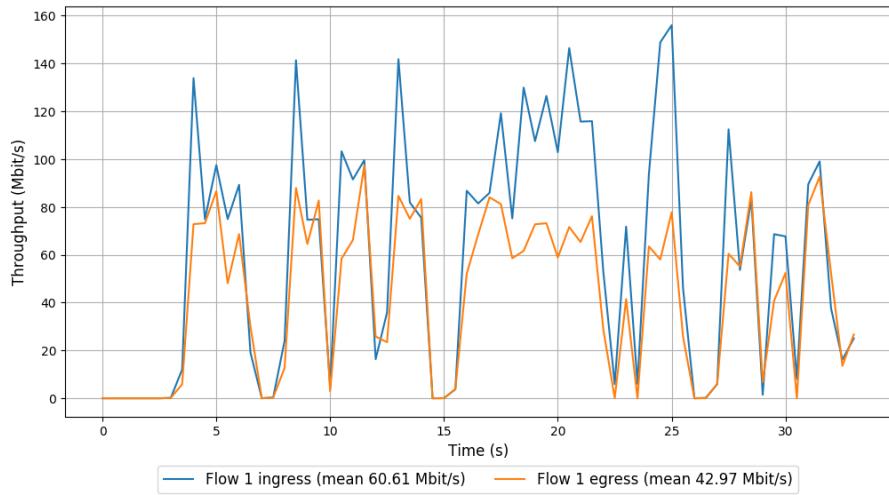


Run 7: Statistics of Verus

```
Start at: Tue, 04 Jul 2017 03:33:23 +0000
End at: Tue, 04 Jul 2017 03:33:53 +0000
Local clock offset: -0.404 ms
Remote clock offset: -4.337 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 88.374 ms
Loss rate: 29.07%
-- Flow 1:
Average throughput: 42.97 Mbit/s
95th percentile per-packet one-way delay: 88.374 ms
Loss rate: 29.07%
```

Run 7: Report of Verus — Data Link

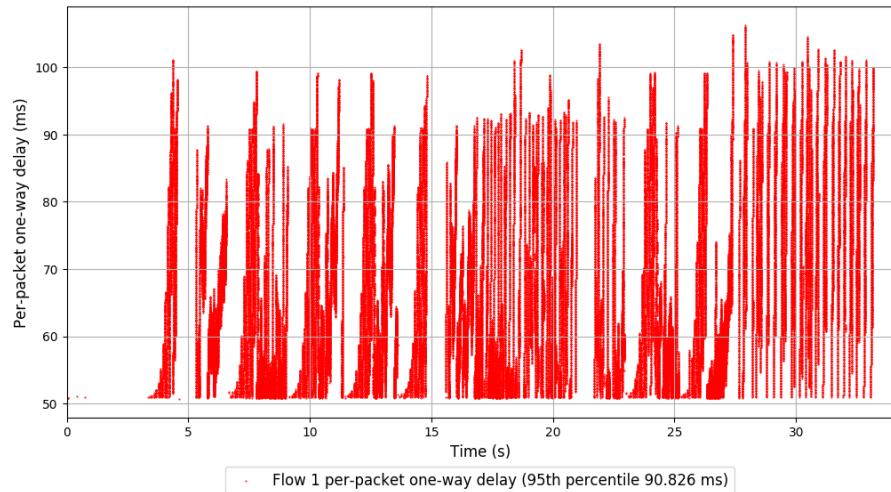
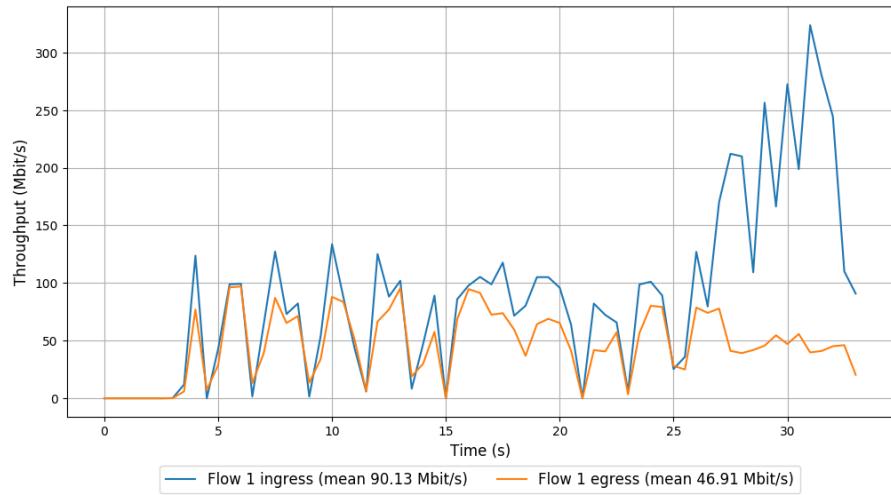


Run 8: Statistics of Verus

```
Start at: Tue, 04 Jul 2017 03:52:51 +0000
End at: Tue, 04 Jul 2017 03:53:21 +0000
Local clock offset: -0.192 ms
Remote clock offset: -2.019 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.91 Mbit/s
95th percentile per-packet one-way delay: 90.826 ms
Loss rate: 47.89%
-- Flow 1:
Average throughput: 46.91 Mbit/s
95th percentile per-packet one-way delay: 90.826 ms
Loss rate: 47.89%
```

Run 8: Report of Verus — Data Link

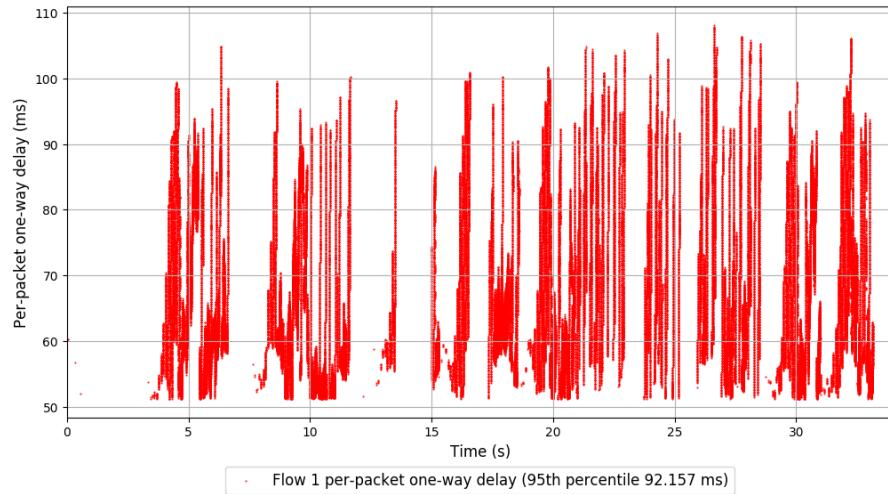
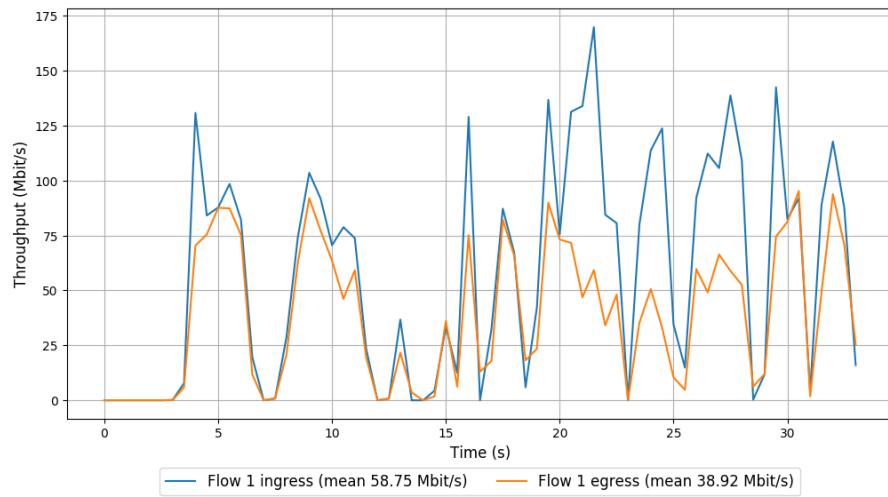


Run 9: Statistics of Verus

```
Start at: Tue, 04 Jul 2017 04:12:27 +0000
End at: Tue, 04 Jul 2017 04:12:57 +0000
Local clock offset: 0.011 ms
Remote clock offset: -2.865 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 92.157 ms
Loss rate: 33.76%
-- Flow 1:
Average throughput: 38.92 Mbit/s
95th percentile per-packet one-way delay: 92.157 ms
Loss rate: 33.76%
```

Run 9: Report of Verus — Data Link

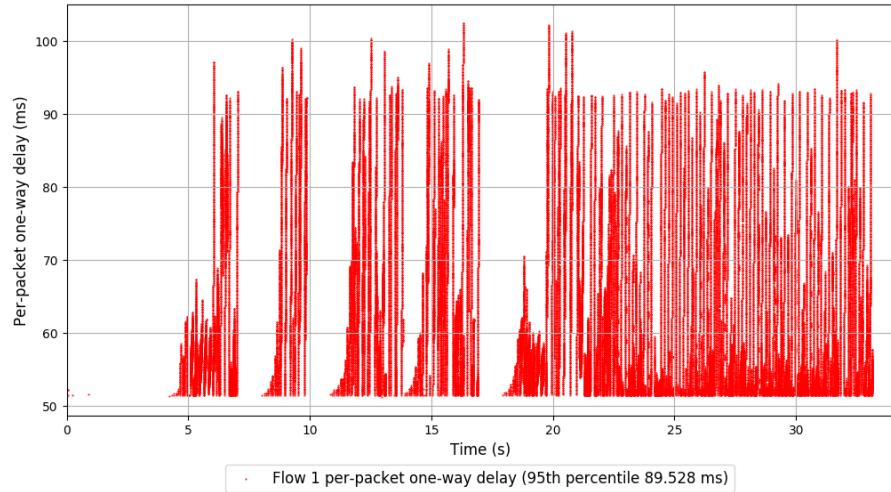
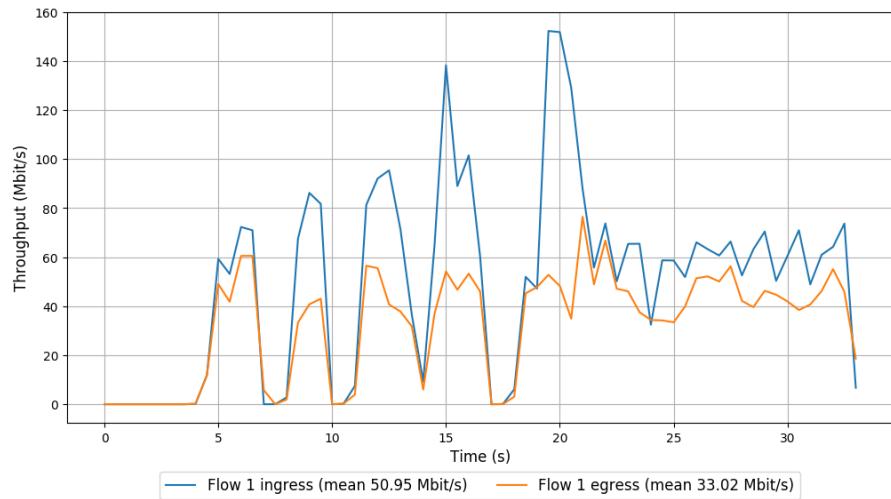


Run 10: Statistics of Verus

```
Start at: Tue, 04 Jul 2017 04:32:17 +0000
End at: Tue, 04 Jul 2017 04:32:47 +0000
Local clock offset: 0.235 ms
Remote clock offset: -2.533 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.02 Mbit/s
95th percentile per-packet one-way delay: 89.528 ms
Loss rate: 35.20%
-- Flow 1:
Average throughput: 33.02 Mbit/s
95th percentile per-packet one-way delay: 89.528 ms
Loss rate: 35.20%
```

Run 10: Report of Verus — Data Link

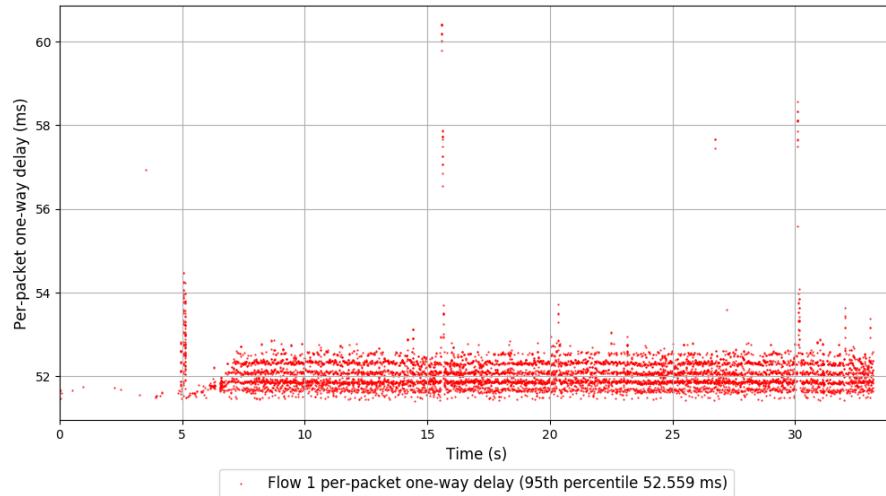
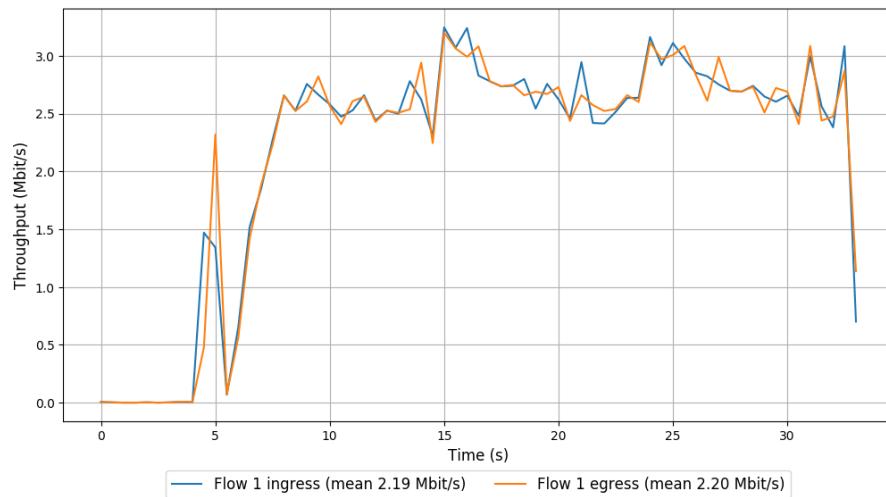


```
Run 1: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 01:38:28 +0000
End at: Tue, 04 Jul 2017 01:38:58 +0000
Local clock offset: 0.58 ms
Remote clock offset: -2.117 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 52.559 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 52.559 ms
Loss rate: 0.01%
```

Run 1: Report of WebRTC media — Data Link

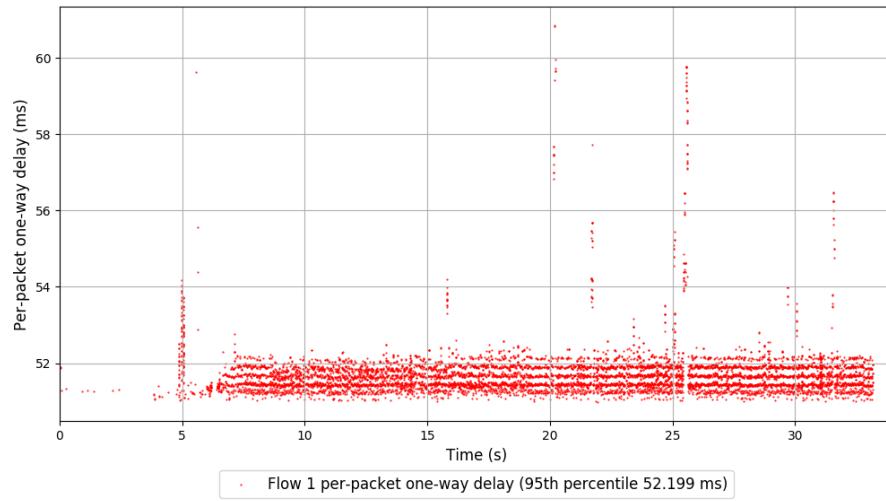
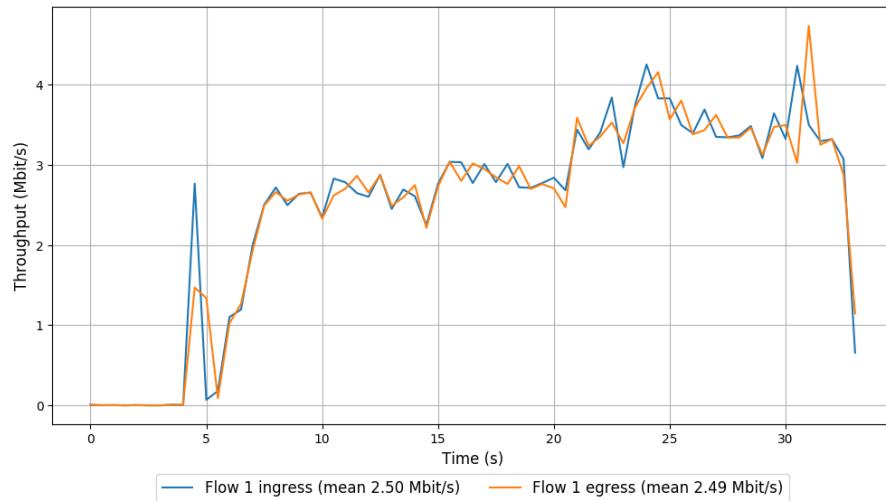


```
Run 2: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 01:58:06 +0000
End at: Tue, 04 Jul 2017 01:58:36 +0000
Local clock offset: 0.447 ms
Remote clock offset: -1.805 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 52.199 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 52.199 ms
Loss rate: 0.08%
```

Run 2: Report of WebRTC media — Data Link

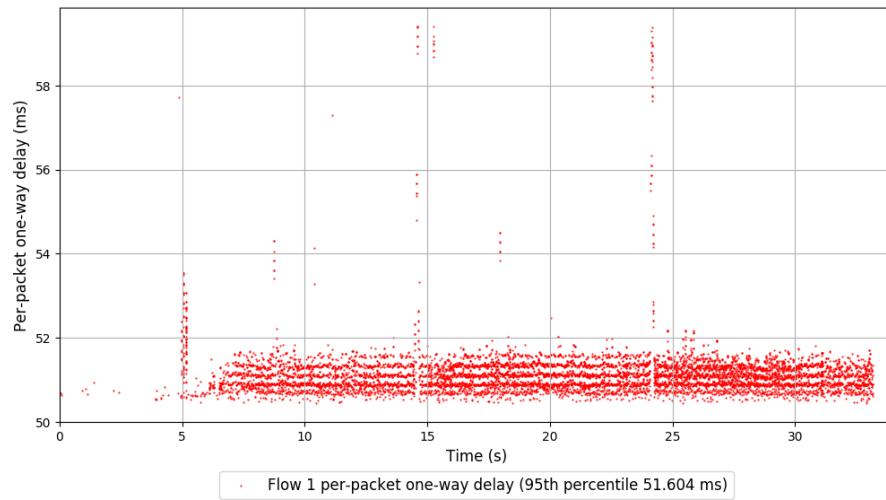
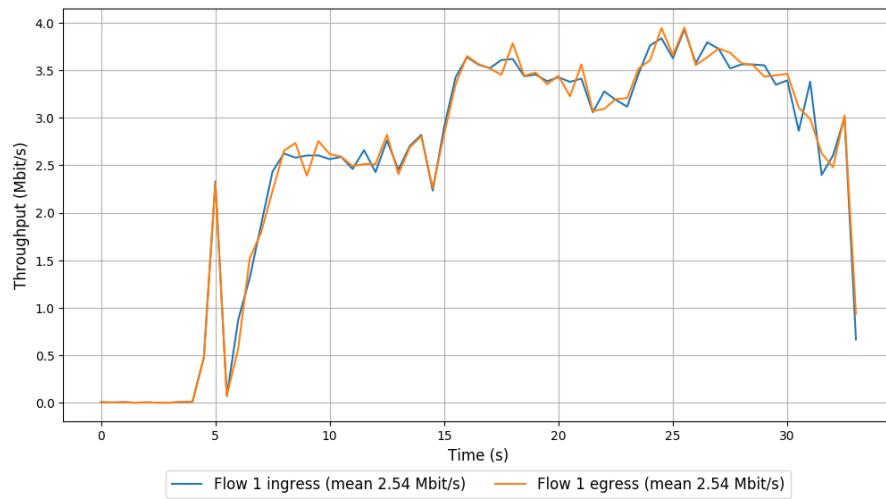


```
Run 3: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 02:17:39 +0000
End at: Tue, 04 Jul 2017 02:18:09 +0000
Local clock offset: 0.194 ms
Remote clock offset: -3.937 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 51.604 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 51.604 ms
Loss rate: 0.05%
```

Run 3: Report of WebRTC media — Data Link

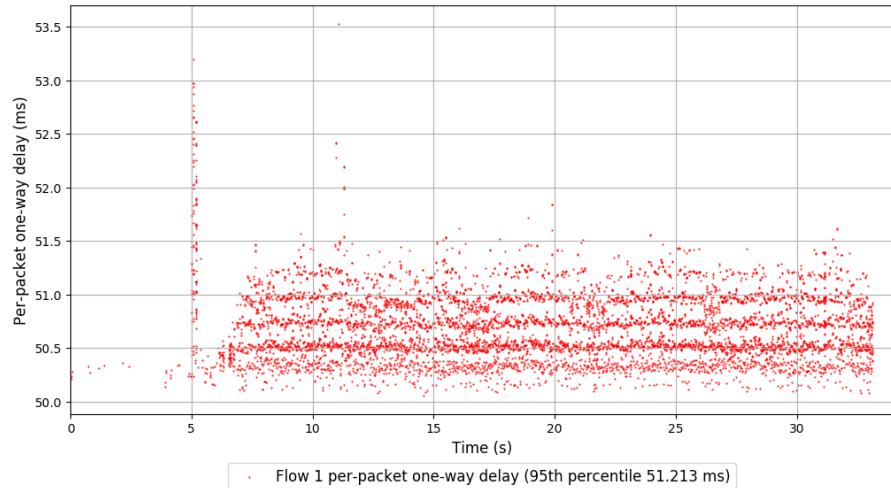
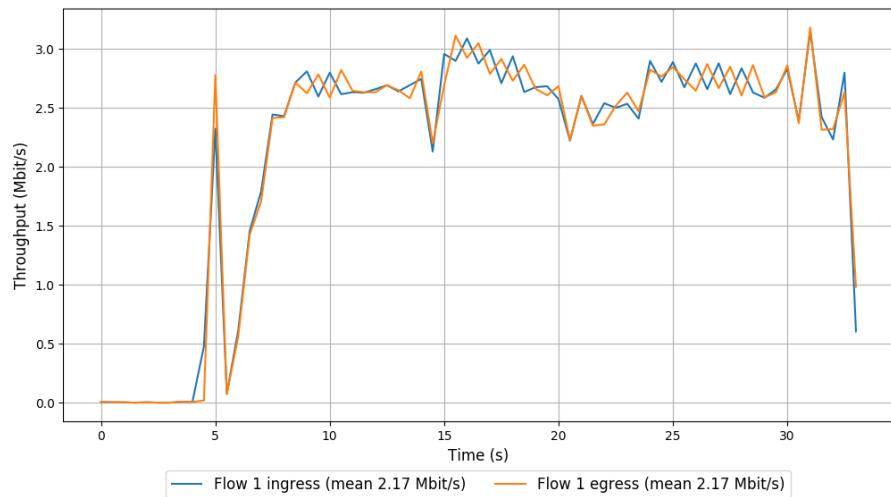


Run 4: Statistics of WebRTC media

```
Start at: Tue, 04 Jul 2017 02:37:13 +0000
End at: Tue, 04 Jul 2017 02:37:43 +0000
Local clock offset: -0.192 ms
Remote clock offset: -1.65 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 51.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 51.213 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

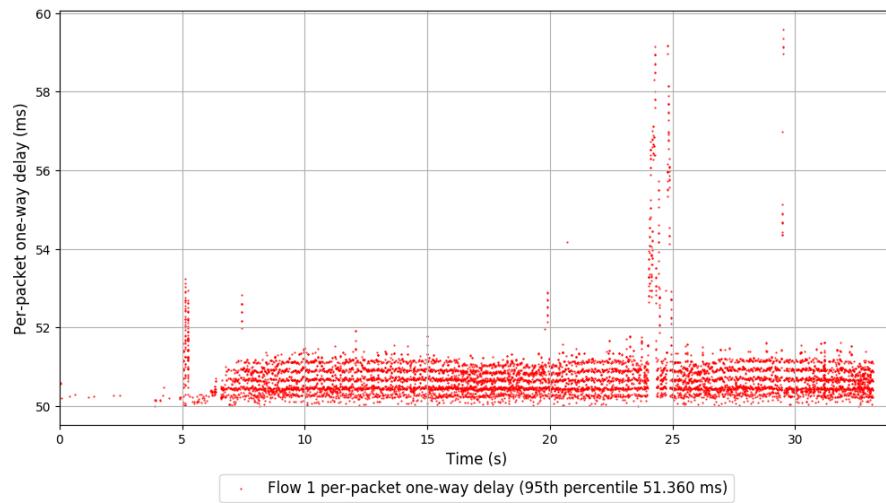
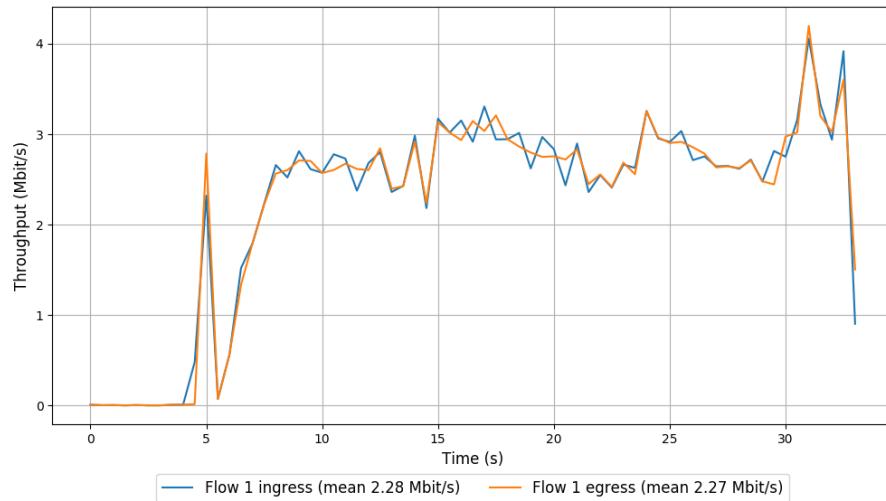


```
Run 5: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 02:56:51 +0000
End at: Tue, 04 Jul 2017 02:57:21 +0000
Local clock offset: -0.337 ms
Remote clock offset: -1.527 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 51.360 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 51.360 ms
Loss rate: 0.08%
```

Run 5: Report of WebRTC media — Data Link

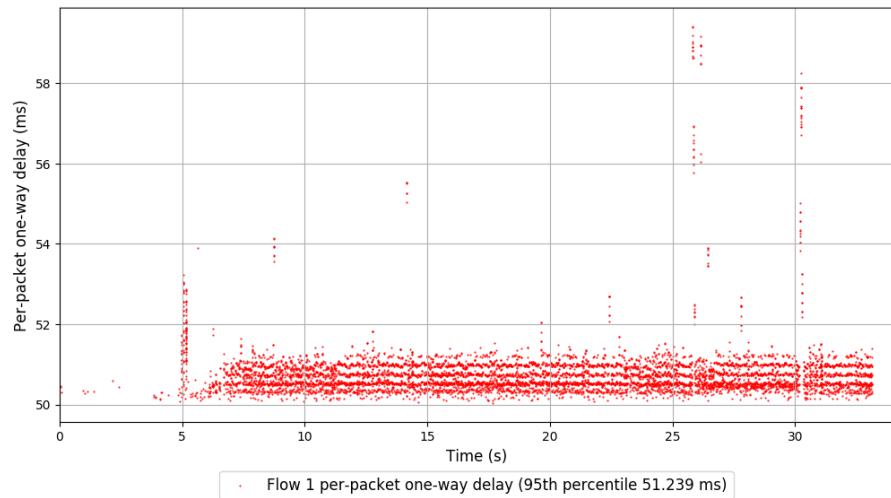
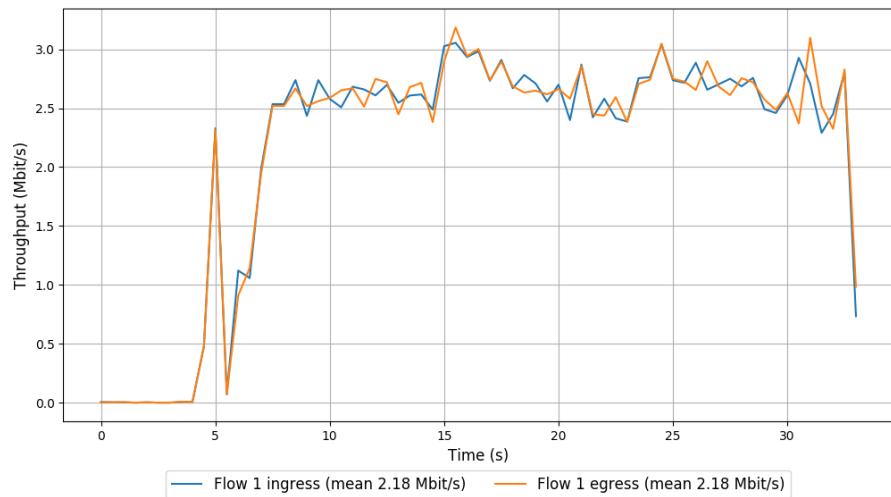


```
Run 6: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 03:16:28 +0000
End at: Tue, 04 Jul 2017 03:16:58 +0000
Local clock offset: -0.425 ms
Remote clock offset: -4.565 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 51.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 51.239 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

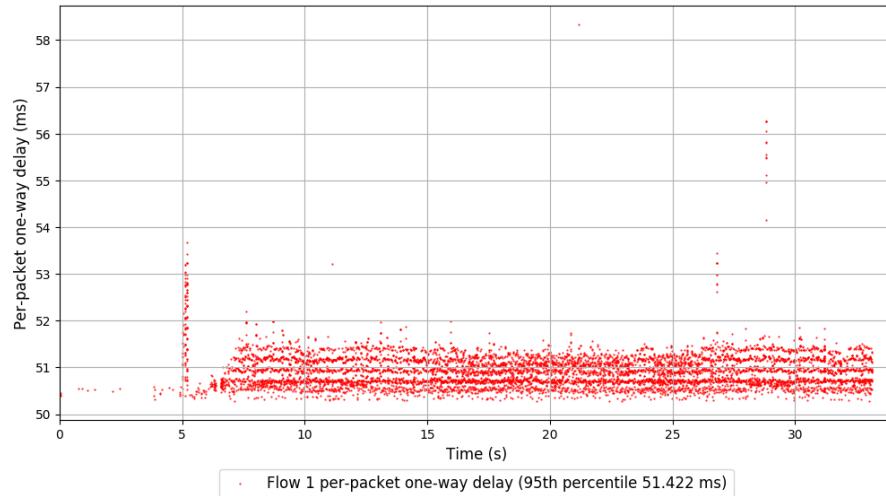
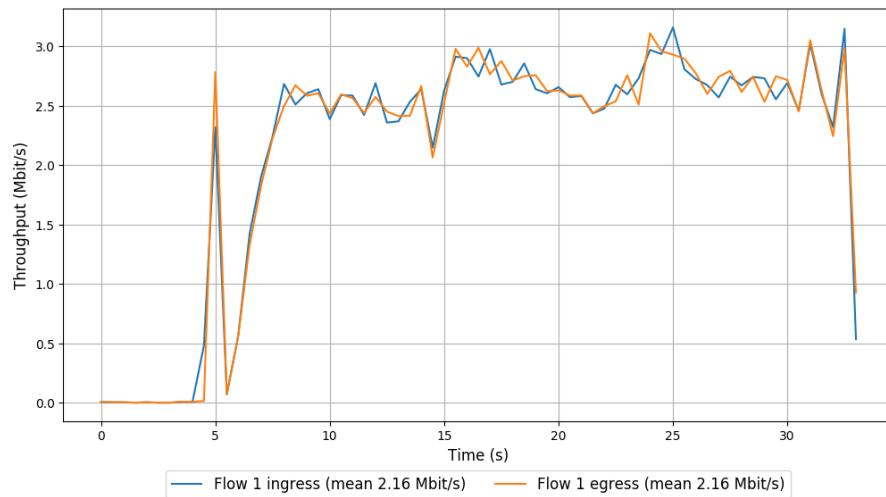


Run 7: Statistics of WebRTC media

```
Start at: Tue, 04 Jul 2017 03:36:00 +0000
End at: Tue, 04 Jul 2017 03:36:30 +0000
Local clock offset: -0.507 ms
Remote clock offset: -4.391 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 51.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 51.422 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

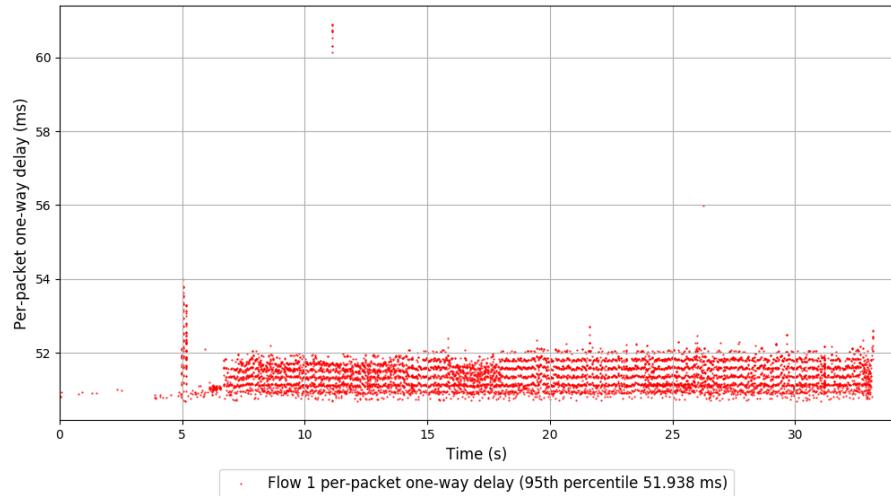
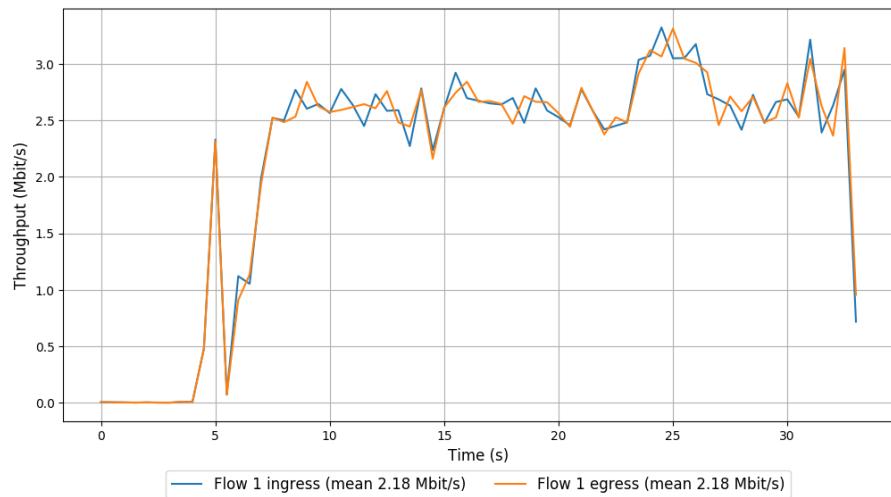


```
Run 8: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 03:55:30 +0000
End at: Tue, 04 Jul 2017 03:56:00 +0000
Local clock offset: -0.277 ms
Remote clock offset: -2.908 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 51.938 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 51.938 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

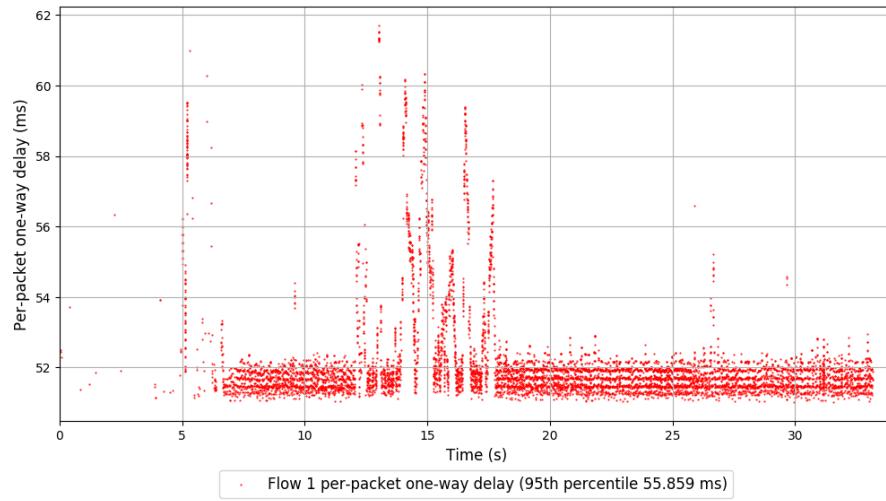
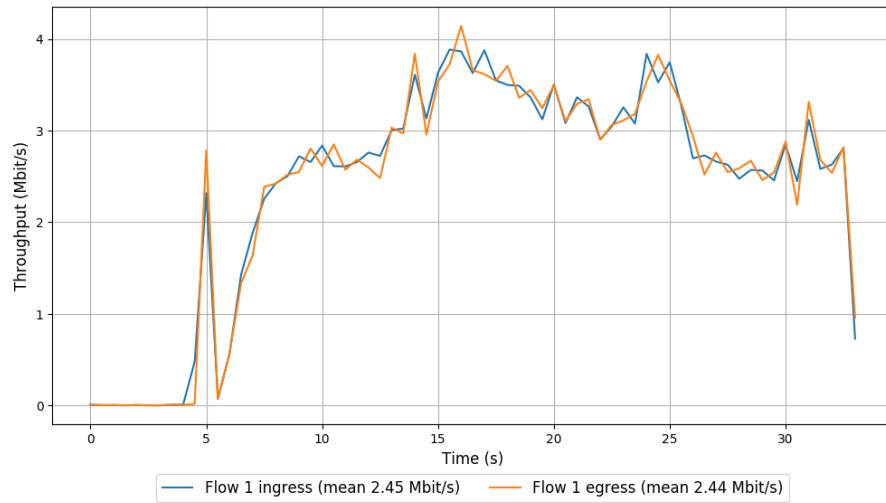


```
Run 9: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 04:15:06 +0000
End at: Tue, 04 Jul 2017 04:15:36 +0000
Local clock offset: 0.018 ms
Remote clock offset: -2.617 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 55.859 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: 55.859 ms
Loss rate: 0.15%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media

Start at: Tue, 04 Jul 2017 04:34:56 +0000
End at: Tue, 04 Jul 2017 04:35:26 +0000
Local clock offset: 0.233 ms
Remote clock offset: -4.563 ms

# Below is generated by plot.py at Tue, 04 Jul 2017 08:46:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 52.468 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.45 Mbit/s
95th percentile per-packet one-way delay: 52.468 ms
Loss rate: 0.11%
```

Run 10: Report of WebRTC media — Data Link

