Pantheon Summary (Generated at Fri, 30 Jun 2017 04:33:07 +0000 with pantheon version `f1f579919e2382b18c1fb18b676e821e7efc0b62`)

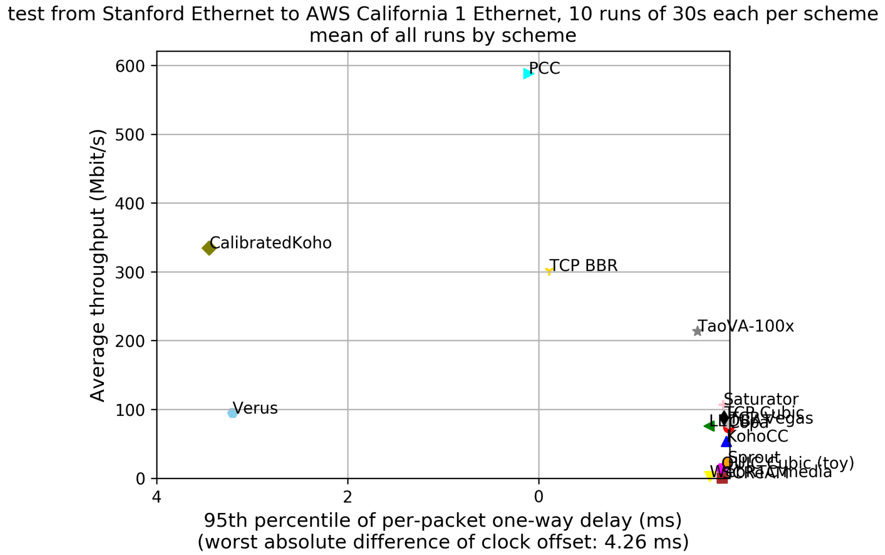
Repeated the test of 15 congestion control schemes 10 times.

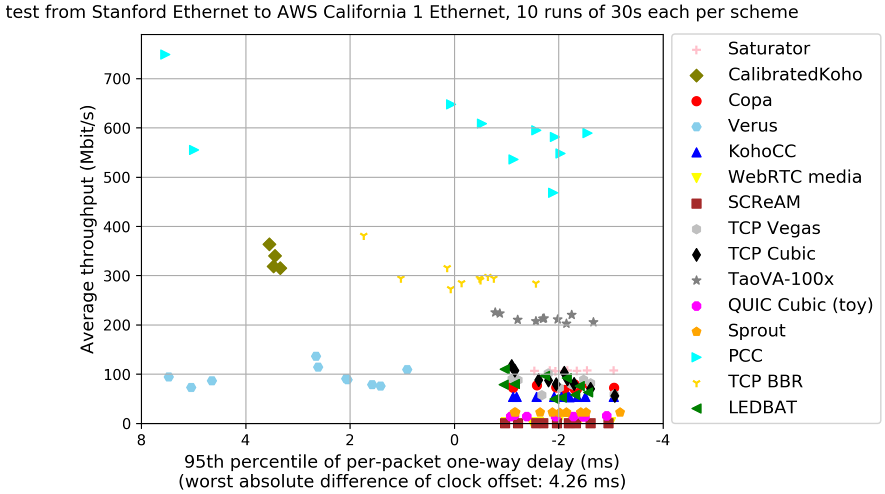
Each test lasted for 30 seconds running 1 flow.

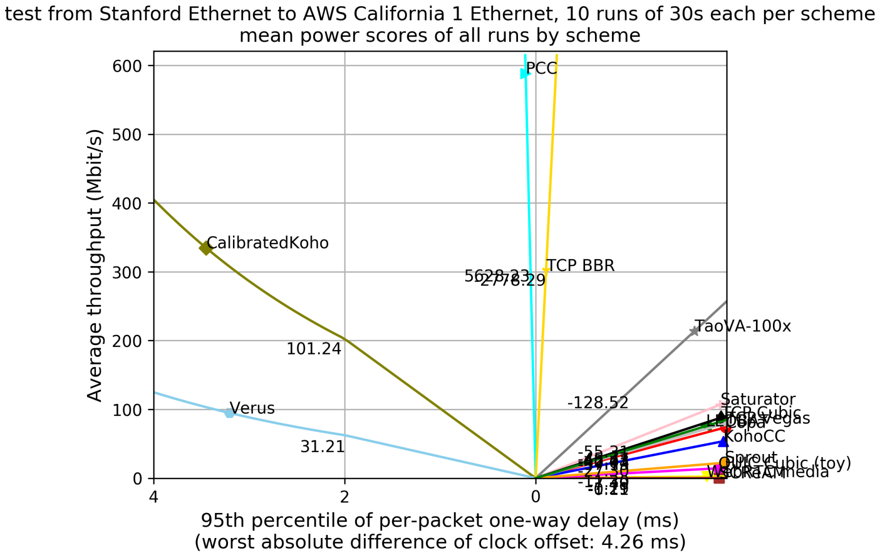
Data path **from** Stanford Ethernet **to** AWS California 1 Ethernet.

NTP offset measured against time.stanford.edu.

```
git branch: master @ f1f579919e2382b18c1fb18b676e821e7efc0b62
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ 4893799ab83a43fa2d3236507d168f461e1243ed
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 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
```

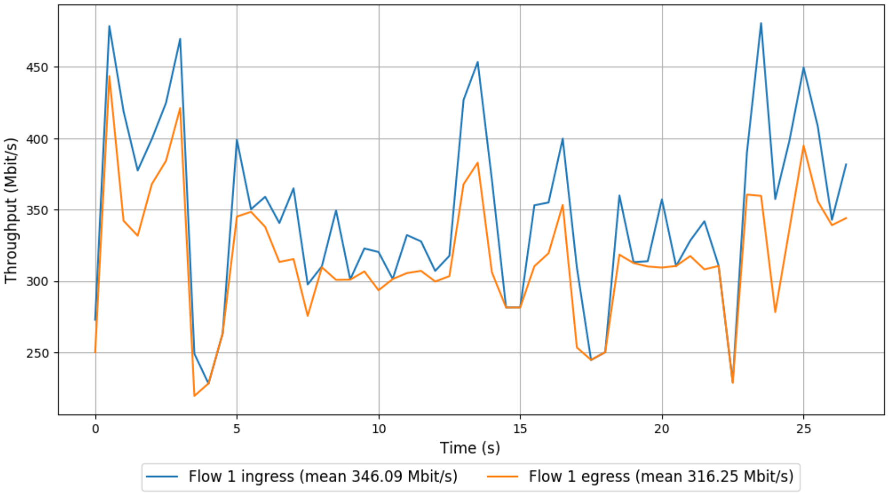

test from Stanford Ethernet to AWS California 1 Ethernet, 10 runs of 30s each per scheme
mean of all runs by scheme


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

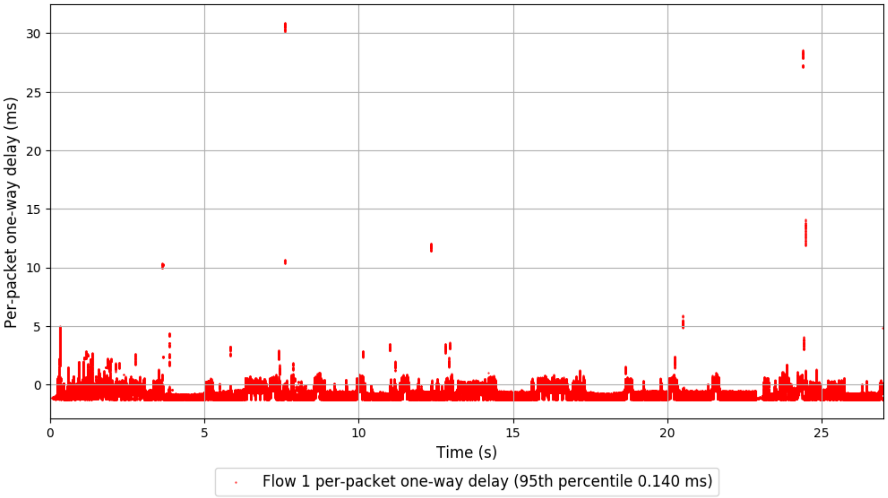

test from Stanford Ethernet to AWS California 1 Ethernet, 10 runs of 30s each per scheme
mean power scores of all runs by scheme
Average throughput (Mbit/s)
600
500
400
300
200
100
0
4
2
0
95th percentile of per-packet one-way delay (ms)
(worst absolute difference of clock offset: 4.26 ms)
PCC
CalibratedKoho
5628.23
2778.29
TCP BBR
101.24
TaoVA-100x
-128.52
Verus
31.21
Saturator
TCP Cubic
TCP Vegas
LEDBAT
Copa
KohoCC
-55.21
-27.30
-17.20
-0.21
Sprout
QUIC Cubic (toy)
WebRTC media
SCReAM

```
Run 1: Statistics of TCP BBR

Start at: Thu, 29 Jun 2017 22:11:57 +0000
End at: Thu, 29 Jun 2017 22:12:27 +0000
Local clock offset: -0.199 ms
Remote clock offset: -2.525 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:04:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 316.25 Mbit/s
95th percentile per-packet one-way delay: 0.140 ms
Loss rate: 8.68%
-- Flow 1:
Average throughput: 316.25 Mbit/s
95th percentile per-packet one-way delay: 0.140 ms
Loss rate: 8.68%
```

Run 1: Report of TCP BBR — Data Link



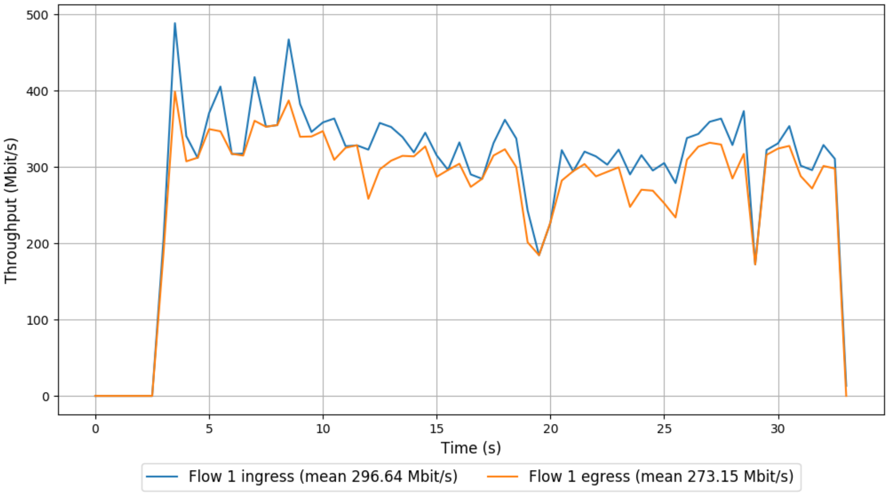
Flow 1 ingress (mean 346.09 Mbit/s) Flow 1 egress (mean 316.25 Mbit/s)

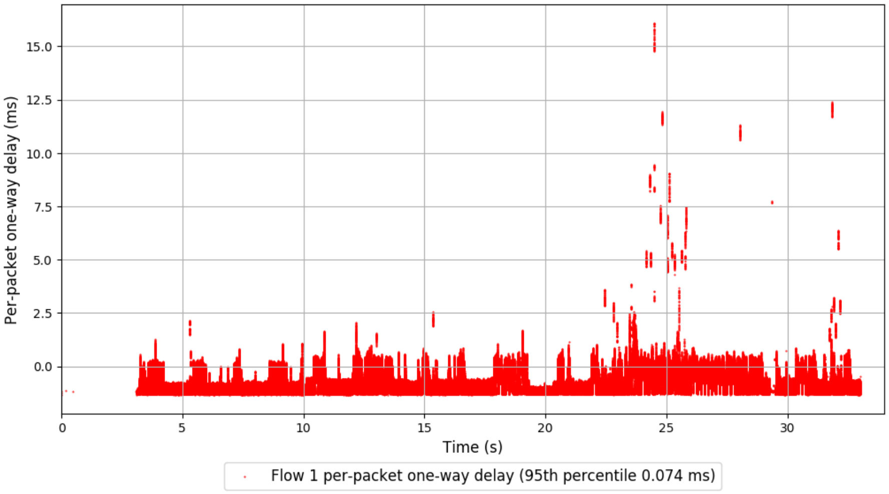


Flow 1 per-packet one-way delay (95th percentile 0.140 ms)

```
Run 2: Statistics of TCP BBR

Start at: Thu, 29 Jun 2017 22:31:27 +0000
End at: Thu, 29 Jun 2017 22:31:57 +0000
Local clock offset: -0.325 ms
Remote clock offset: -2.633 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:04:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 273.15 Mbit/s
95th percentile per-packet one-way delay: 0.074 ms
Loss rate: 7.97%
-- Flow 1:
Average throughput: 273.15 Mbit/s
95th percentile per-packet one-way delay: 0.074 ms
Loss rate: 7.97%
```

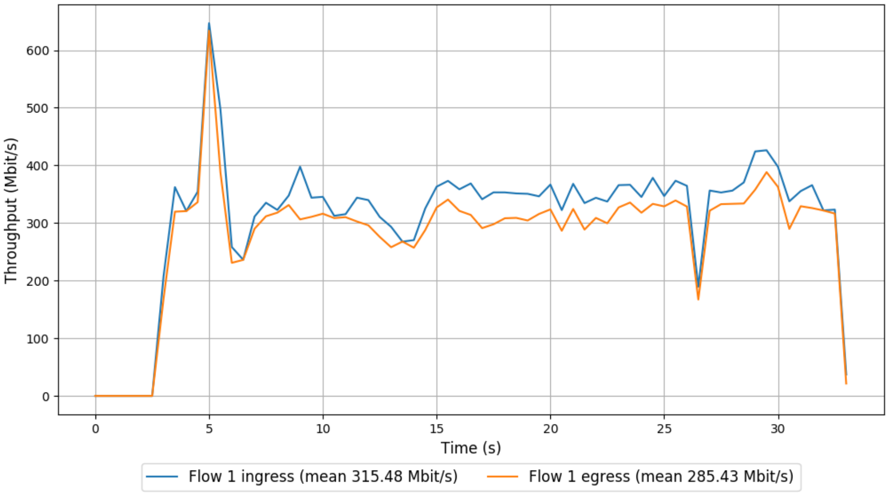
Run 2: Report of TCP BBR — Data Link

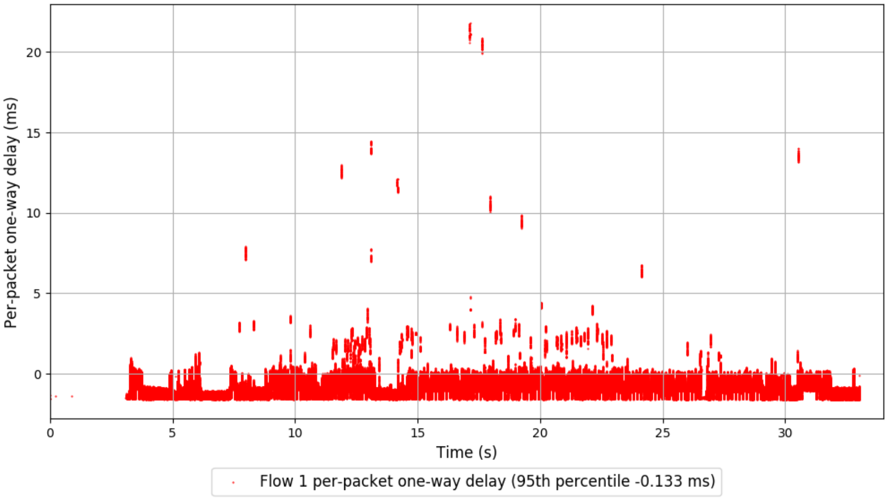




```
Run 3: Statistics of TCP BBR

Start at: Thu, 29 Jun 2017 22:50:53 +0000
End at: Thu, 29 Jun 2017 22:51:23 +0000
Local clock offset: -0.489 ms
Remote clock offset: -3.142 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:05:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 285.43 Mbit/s
95th percentile per-packet one-way delay: -0.133 ms
Loss rate: 9.58%
-- Flow 1:
Average throughput: 285.43 Mbit/s
95th percentile per-packet one-way delay: -0.133 ms
Loss rate: 9.58%
```

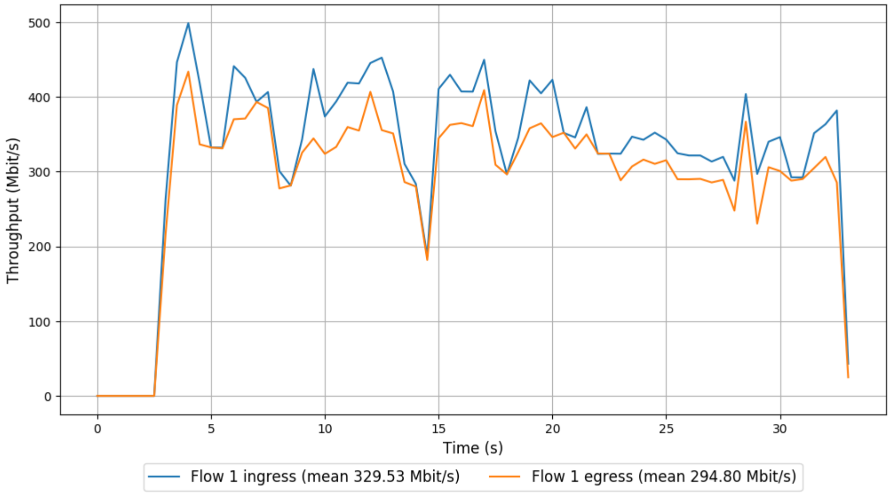
Run 3: Report of TCP BBR — Data Link

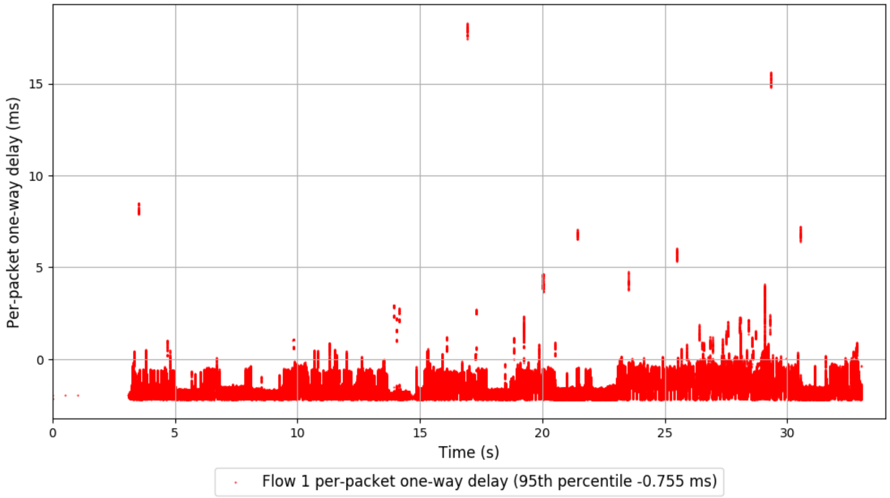




```
Run 4: Statistics of TCP BBR

Start at: Thu, 29 Jun 2017 23:10:37 +0000
End at: Thu, 29 Jun 2017 23:11:07 +0000
Local clock offset: -0.531 ms
Remote clock offset: -3.758 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:05:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.80 Mbit/s
95th percentile per-packet one-way delay: -0.755 ms
Loss rate: 10.59%
-- Flow 1:
Average throughput: 294.80 Mbit/s
95th percentile per-packet one-way delay: -0.755 ms
Loss rate: 10.59%
```

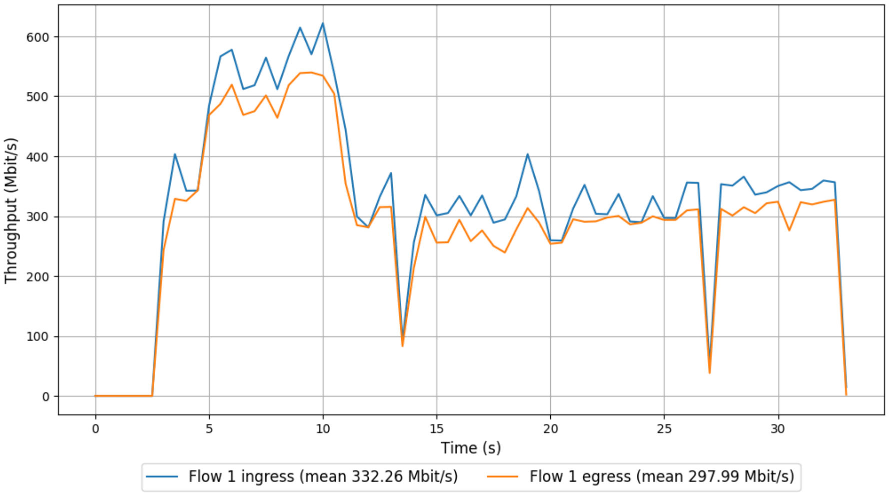
Run 4: Report of TCP BBR — Data Link

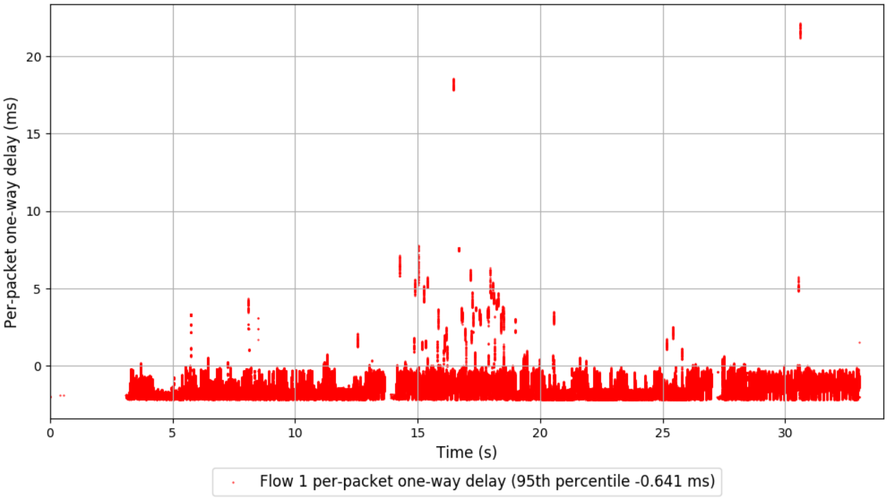




```
Run 5: Statistics of TCP BBR

Start at: Thu, 29 Jun 2017 23:30:03 +0000
End at: Thu, 29 Jun 2017 23:30:33 +0000
Local clock offset: -0.532 ms
Remote clock offset: -3.753 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:06:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 297.99 Mbit/s
95th percentile per-packet one-way delay: -0.641 ms
Loss rate: 10.36%
-- Flow 1:
Average throughput: 297.99 Mbit/s
95th percentile per-packet one-way delay: -0.641 ms
Loss rate: 10.36%
```

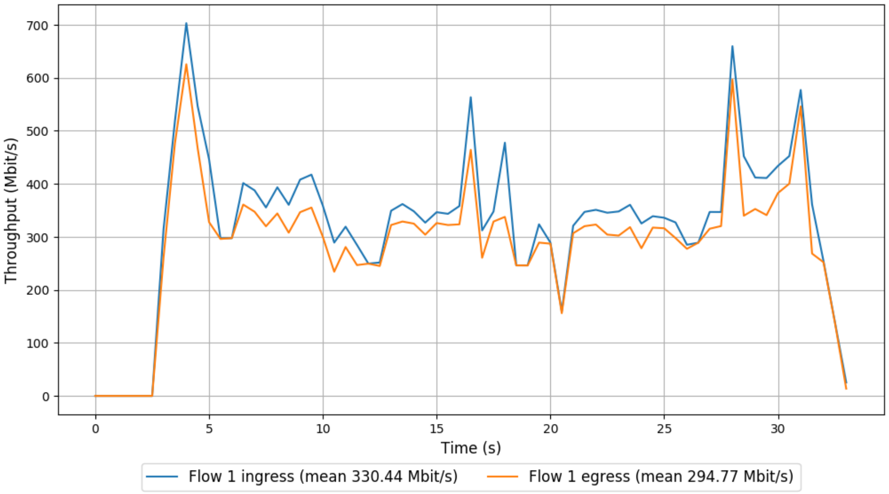
Run 5: Report of TCP BBR — Data Link

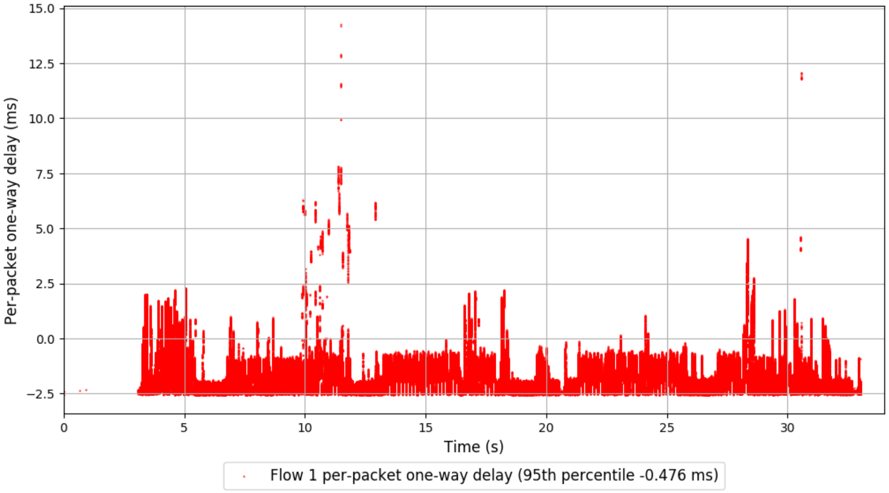




```
Run 6: Statistics of TCP BBR

Start at: Thu, 29 Jun 2017 23:49:26 +0000
End at: Thu, 29 Jun 2017 23:49:56 +0000
Local clock offset: -0.508 ms
Remote clock offset: -4.159 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:06:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.77 Mbit/s
95th percentile per-packet one-way delay: -0.476 ms
Loss rate: 10.85%
-- Flow 1:
Average throughput: 294.77 Mbit/s
95th percentile per-packet one-way delay: -0.476 ms
Loss rate: 10.85%
```

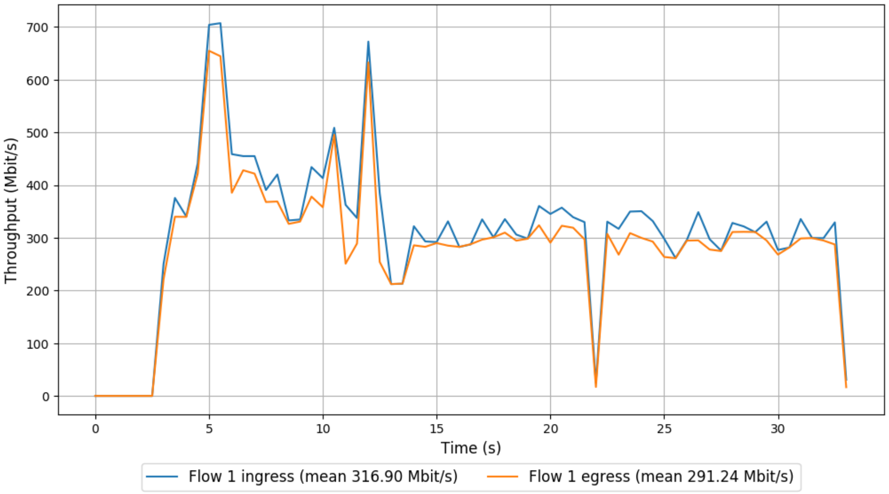
Run 6: Report of TCP BBR — Data Link

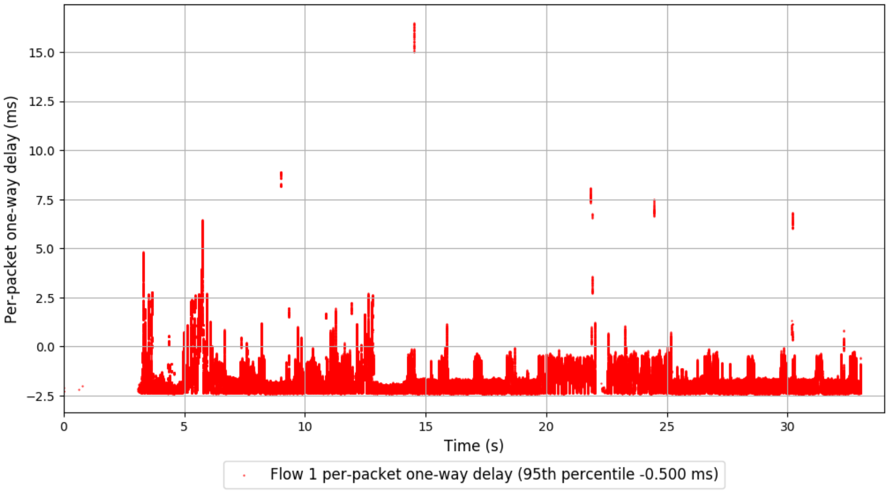




```
Run 7: Statistics of TCP BBR

Start at: Fri, 30 Jun 2017 00:09:01 +0000
End at: Fri, 30 Jun 2017 00:09:31 +0000
Local clock offset: -0.703 ms
Remote clock offset: -4.028 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:07:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 291.24 Mbit/s
95th percentile per-packet one-way delay: -0.500 ms
Loss rate: 8.15%
-- Flow 1:
Average throughput: 291.24 Mbit/s
95th percentile per-packet one-way delay: -0.500 ms
Loss rate: 8.15%
```

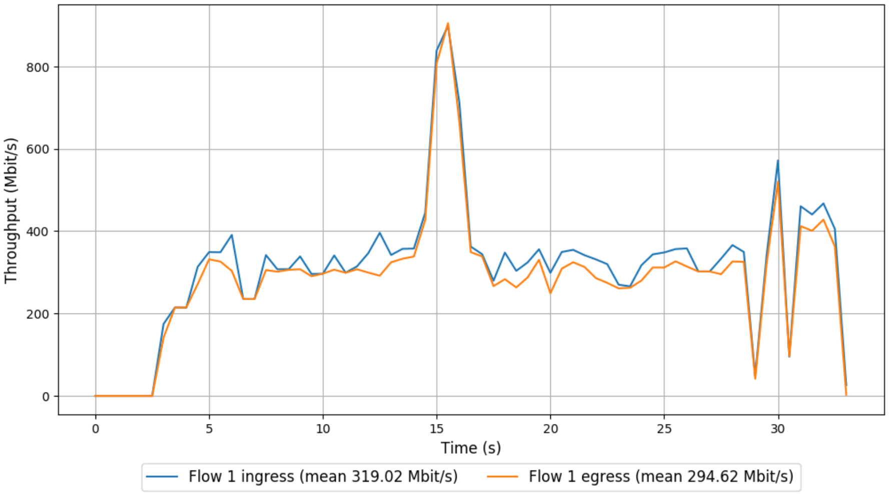
Run 7: Report of TCP BBR — Data Link

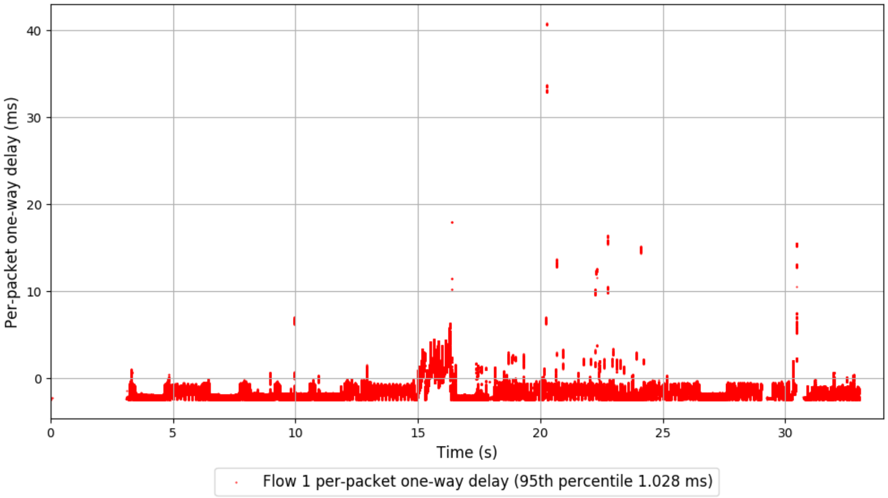




```
Run 8: Statistics of TCP BBR

Start at: Fri, 30 Jun 2017 00:28:24 +0000
End at: Fri, 30 Jun 2017 00:28:54 +0000
Local clock offset: -0.818 ms
Remote clock offset: -4.316 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:07:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.62 Mbit/s
95th percentile per-packet one-way delay: 1.028 ms
Loss rate: 7.71%
-- Flow 1:
Average throughput: 294.62 Mbit/s
95th percentile per-packet one-way delay: 1.028 ms
Loss rate: 7.71%
```

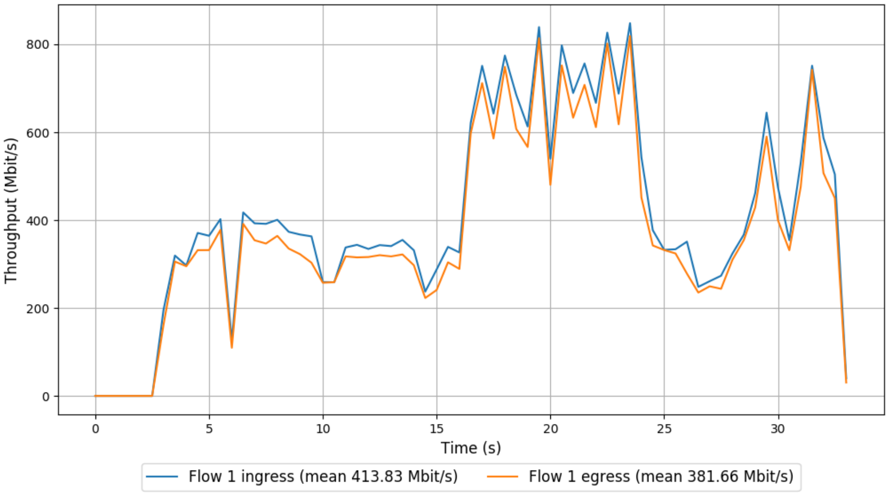
Run 8: Report of TCP BBR — Data Link

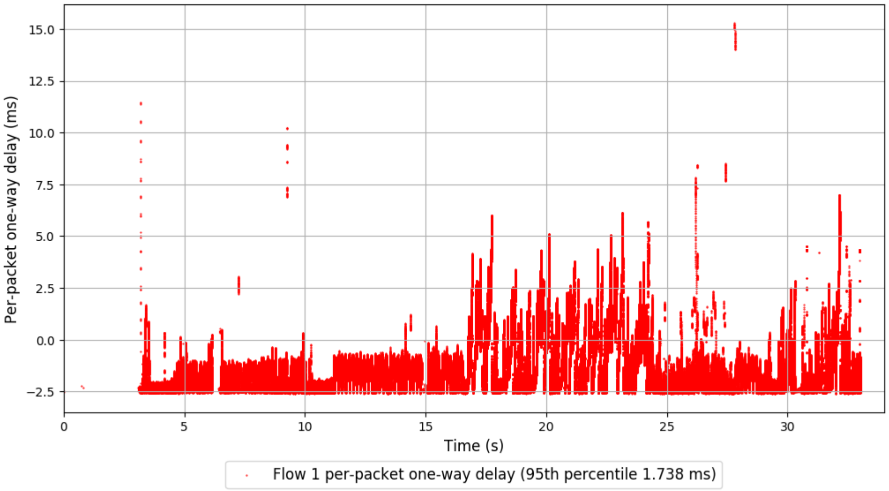




```
Run 9: Statistics of TCP BBR

Start at: Fri, 30 Jun 2017 00:47:38 +0000
End at: Fri, 30 Jun 2017 00:48:08 +0000
Local clock offset: -0.775 ms
Remote clock offset: -4.356 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:07:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 381.66 Mbit/s
95th percentile per-packet one-way delay: 1.738 ms
Loss rate: 7.79%
-- Flow 1:
Average throughput: 381.66 Mbit/s
95th percentile per-packet one-way delay: 1.738 ms
Loss rate: 7.79%
```

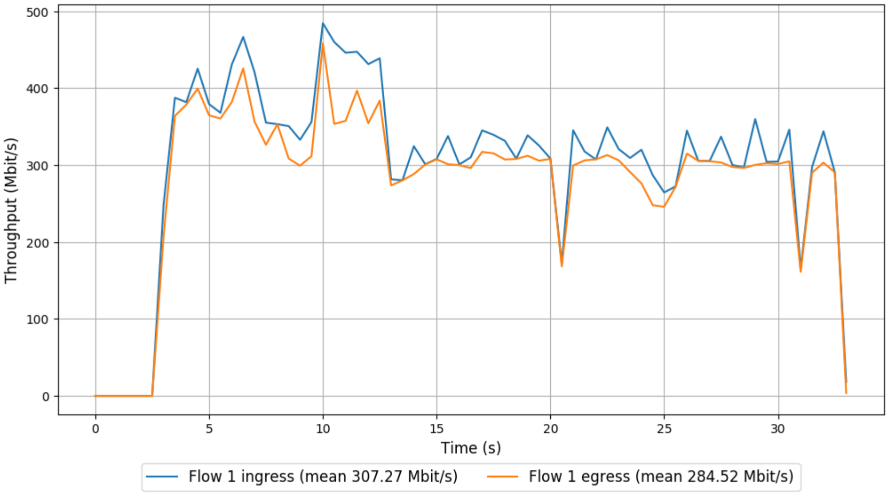
Run 9: Report of TCP BBR — Data Link

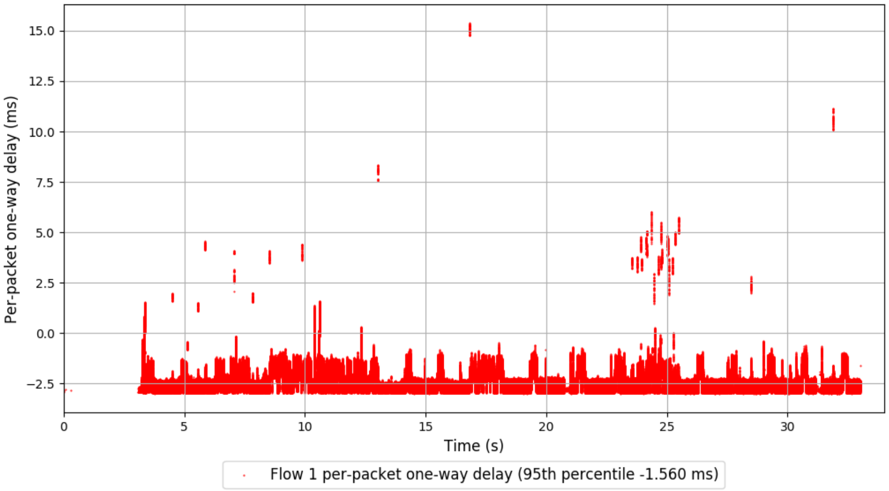




```
Run 10: Statistics of TCP BBR

Start at: Fri, 30 Jun 2017 01:07:19 +0000
End at: Fri, 30 Jun 2017 01:07:49 +0000
Local clock offset: -0.496 ms
Remote clock offset: -4.46 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:07:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 284.52 Mbit/s
95th percentile per-packet one-way delay: -1.560 ms
Loss rate: 7.46%
-- Flow 1:
Average throughput: 284.52 Mbit/s
95th percentile per-packet one-way delay: -1.560 ms
Loss rate: 7.46%
```

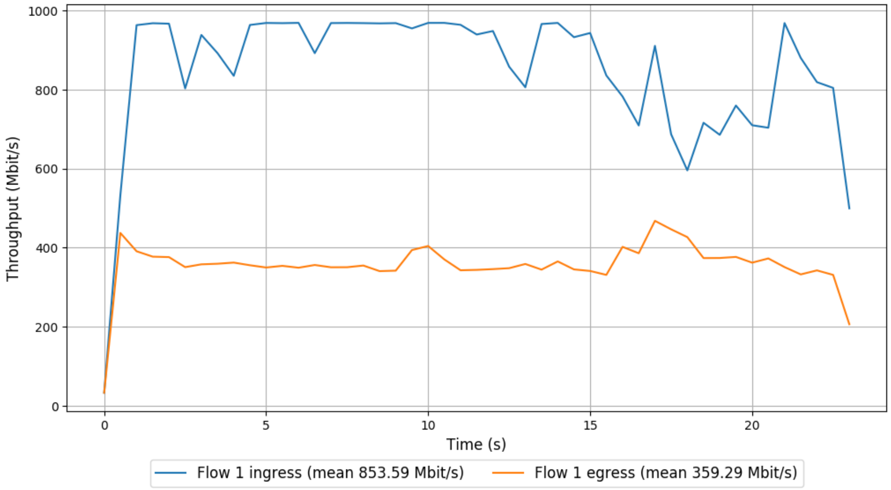
Run 10: Report of TCP BBR — Data Link

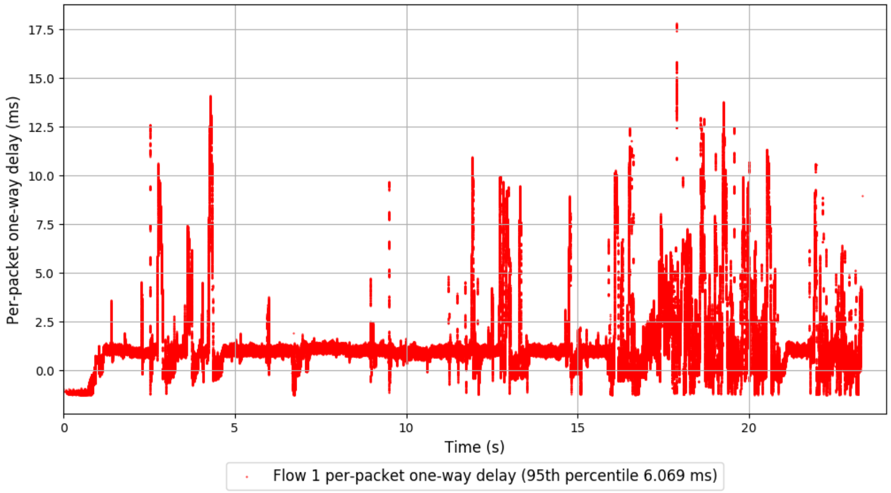




```
Run 1: Statistics of CalibratedKoho

Start at: Thu, 29 Jun 2017 22:14:37 +0000
End at: Thu, 29 Jun 2017 22:15:07 +0000
Local clock offset: -0.194 ms
Remote clock offset: -2.505 ms
```

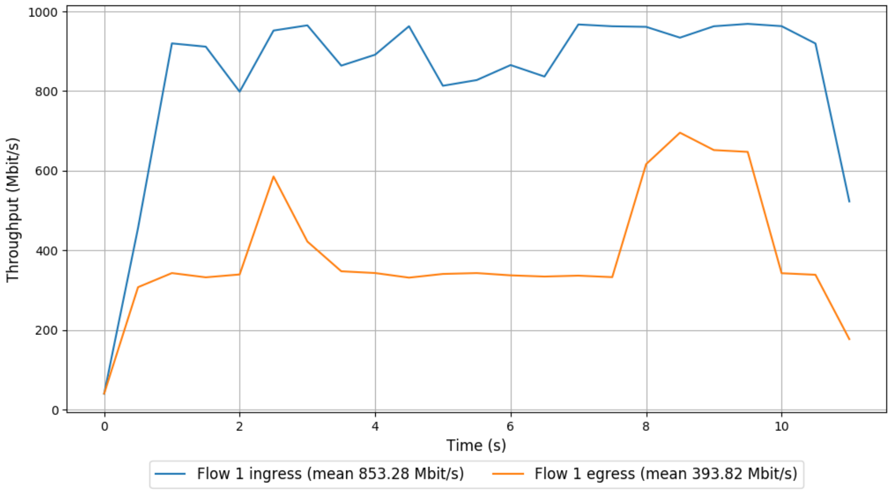
Run 1: Report of CalibratedKoho — Data Link

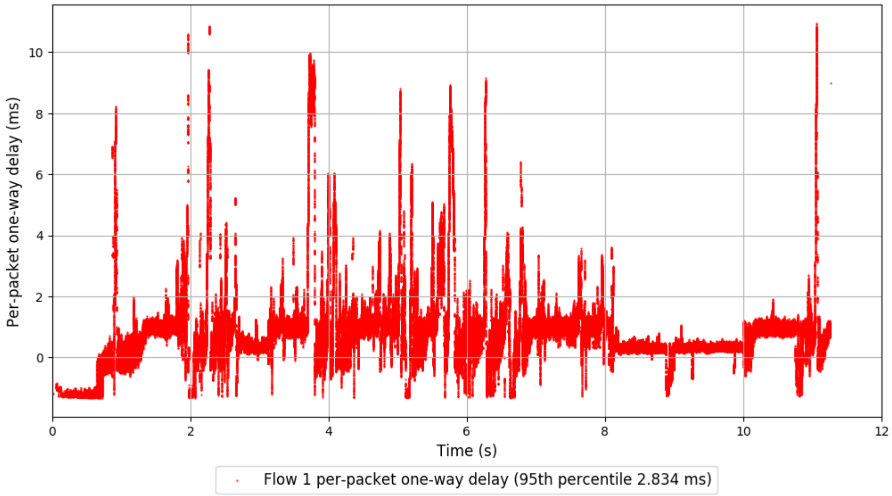




```
Run 2: Statistics of CalibratedKoho

Start at: Thu, 29 Jun 2017 22:34:11 +0000
End at: Thu, 29 Jun 2017 22:34:41 +0000
Local clock offset: -0.32 ms
Remote clock offset: -2.673 ms
```

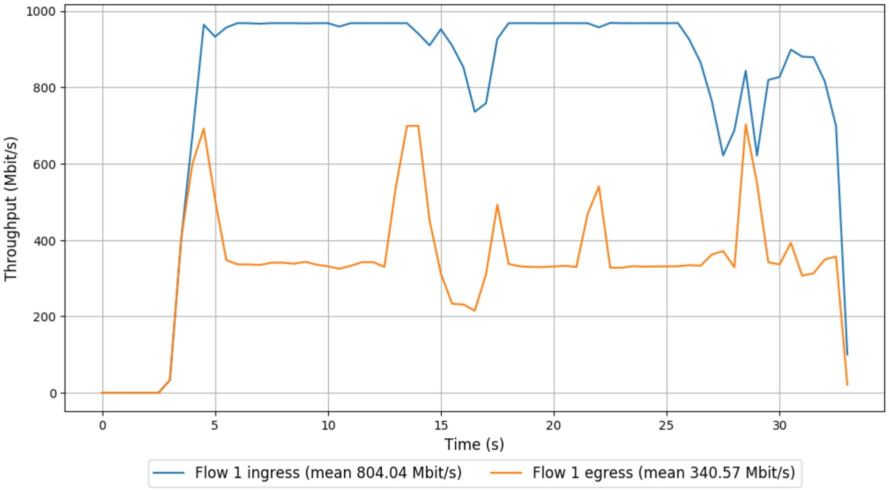
Run 2: Report of CalibratedKoho — Data Link

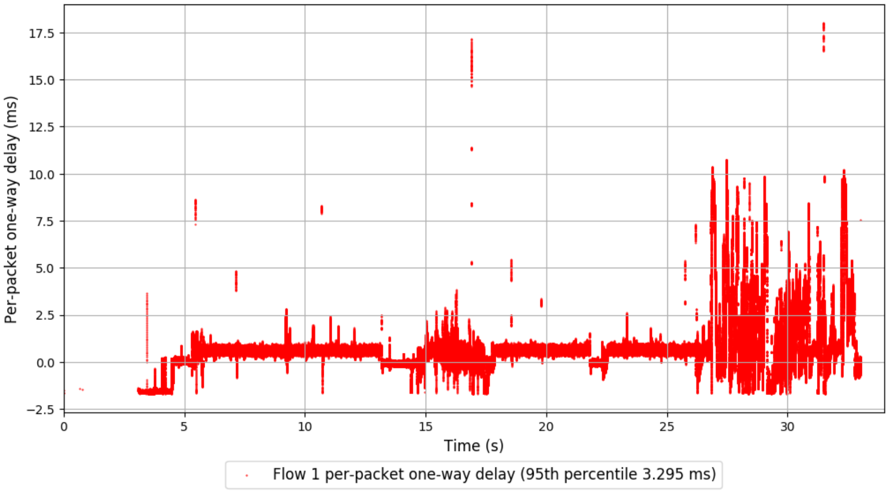




```
Run 3: Statistics of CalibratedKoho

Start at: Thu, 29 Jun 2017 22:53:36 +0000
End at: Thu, 29 Jun 2017 22:54:06 +0000
Local clock offset: -0.606 ms
Remote clock offset: -3.24 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:09:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 340.57 Mbit/s
95th percentile per-packet one-way delay: 3.295 ms
Loss rate: 57.66%
-- Flow 1:
Average throughput: 340.57 Mbit/s
95th percentile per-packet one-way delay: 3.295 ms
Loss rate: 57.66%
```

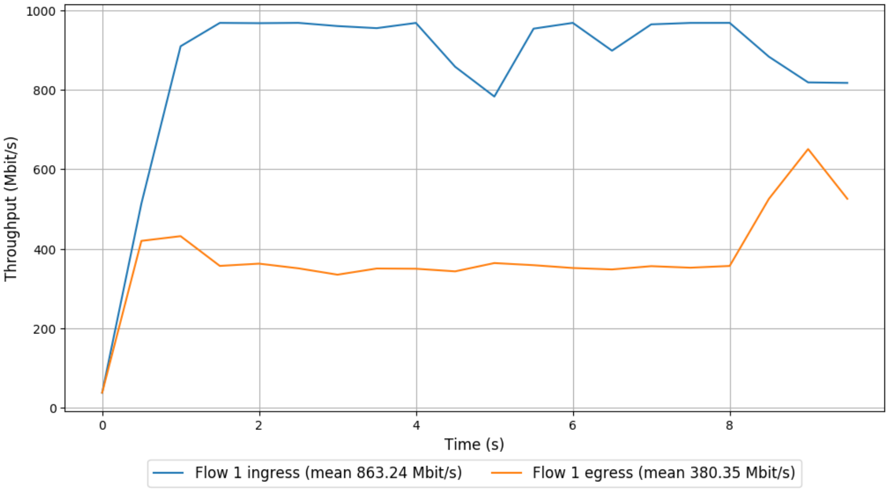
Run 3: Report of CalibratedKoho — Data Link

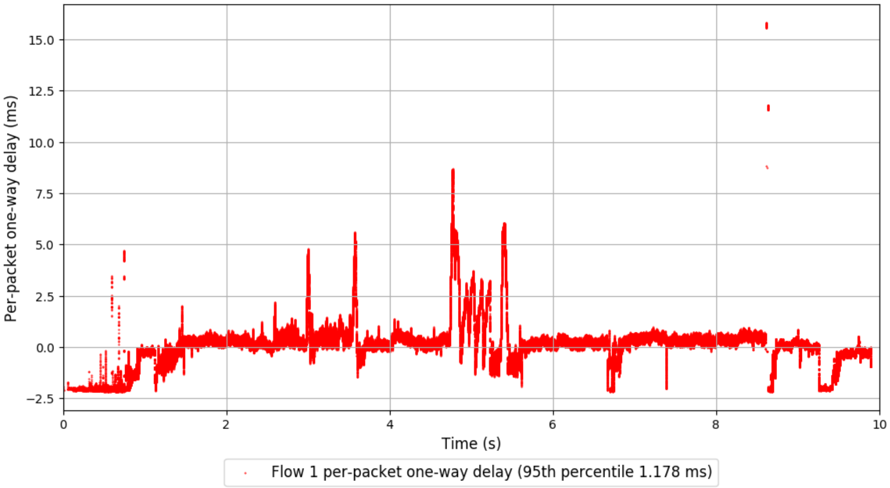




```
Run 4: Statistics of CalibratedKoho

Start at: Thu, 29 Jun 2017 23:13:18 +0000
End at: Thu, 29 Jun 2017 23:13:48 +0000
Local clock offset: -0.54 ms
Remote clock offset: -3.667 ms
```

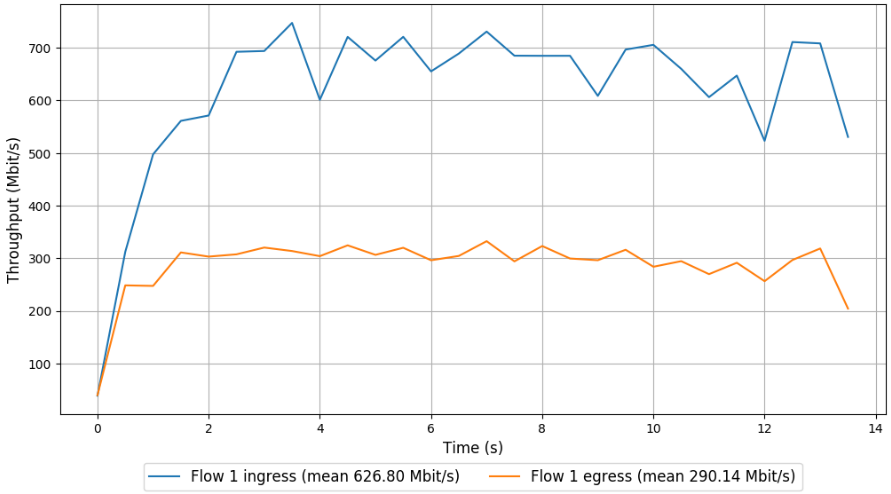
Run 4: Report of CalibratedKoho — Data Link

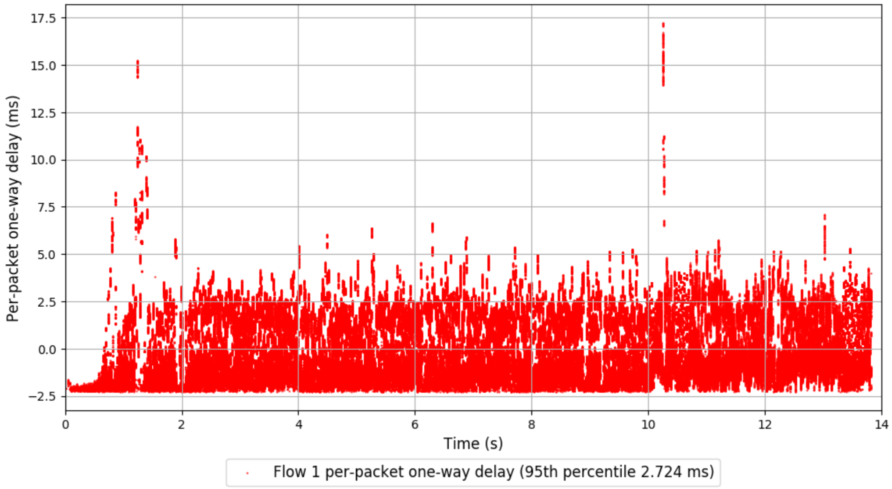




```
Run 5: Statistics of CalibratedKoho

Start at: Thu, 29 Jun 2017 23:32:48 +0000
End at: Thu, 29 Jun 2017 23:33:18 +0000
Local clock offset: -0.542 ms
Remote clock offset: -3.838 ms
```

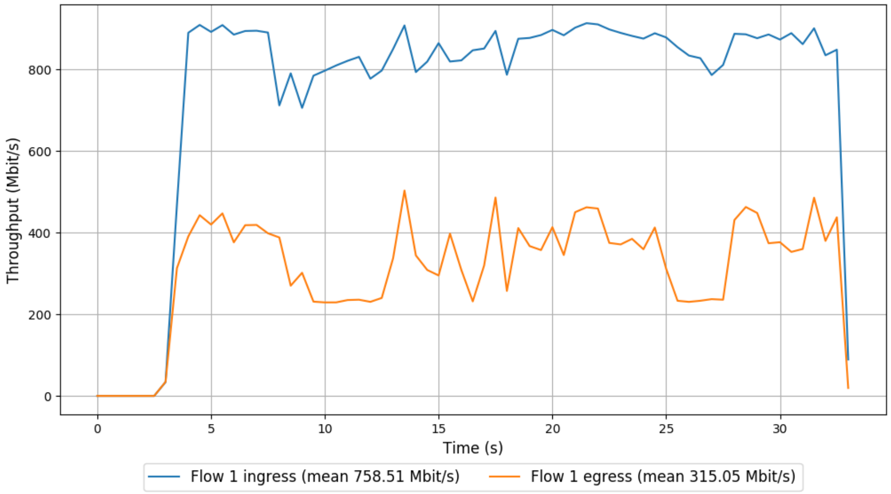
Run 5: Report of CalibratedKoho — Data Link

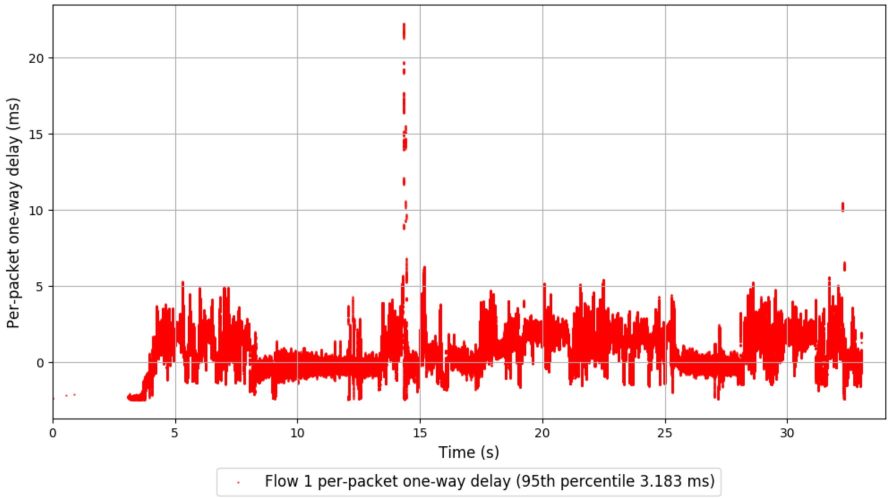




```
Run 6: Statistics of CalibratedKoho

Start at: Thu, 29 Jun 2017 23:52:08 +0000
End at: Thu, 29 Jun 2017 23:52:38 +0000
Local clock offset: -0.616 ms
Remote clock offset: -4.097 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:10:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 315.05 Mbit/s
95th percentile per-packet one-way delay: 3.183 ms
Loss rate: 58.49%
-- Flow 1:
Average throughput: 315.05 Mbit/s
95th percentile per-packet one-way delay: 3.183 ms
Loss rate: 58.49%
```

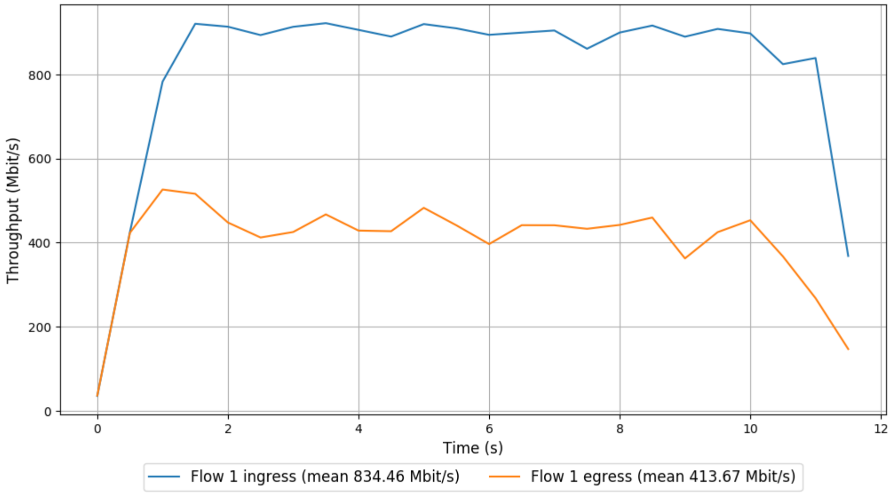
Run 6: Report of CalibratedKoho — Data Link

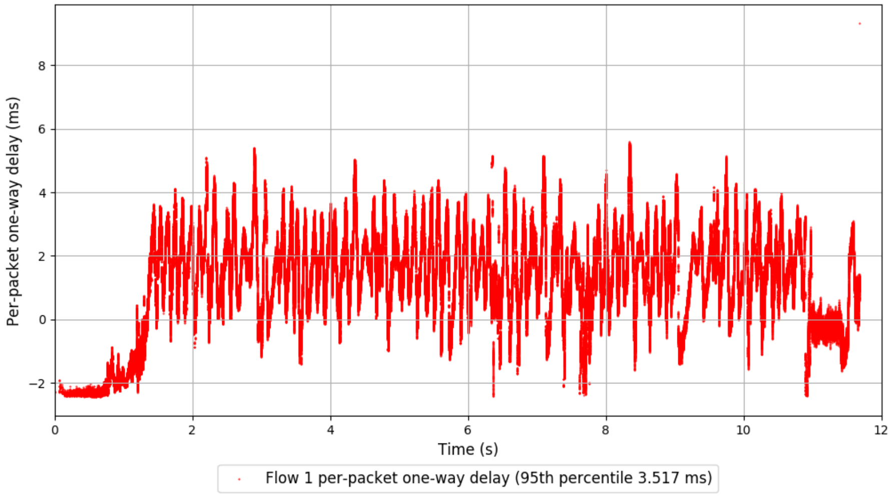




```
Run 7: Statistics of CalibratedKoho

Start at: Fri, 30 Jun 2017 00:11:44 +0000
End at: Fri, 30 Jun 2017 00:12:14 +0000
Local clock offset: -0.668 ms
Remote clock offset: -4.171 ms
```

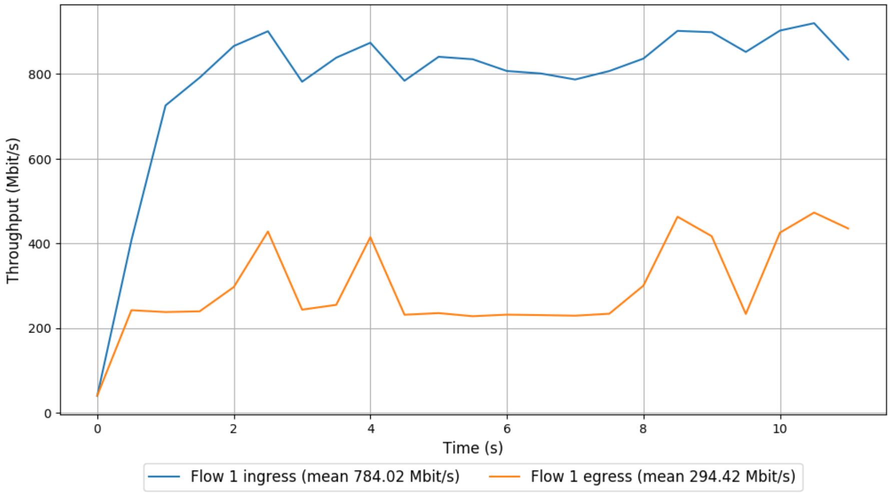
Run 7: Report of CalibratedKoho — Data Link

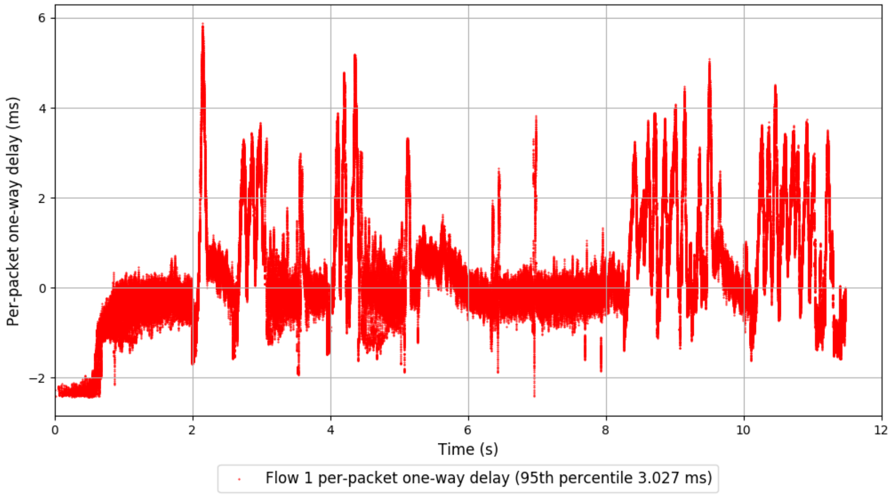




```
Run 8: Statistics of CalibratedKoho

Start at: Fri, 30 Jun 2017 00:31:05 +0000
End at: Fri, 30 Jun 2017 00:31:35 +0000
Local clock offset: -0.859 ms
Remote clock offset: -4.264 ms
```

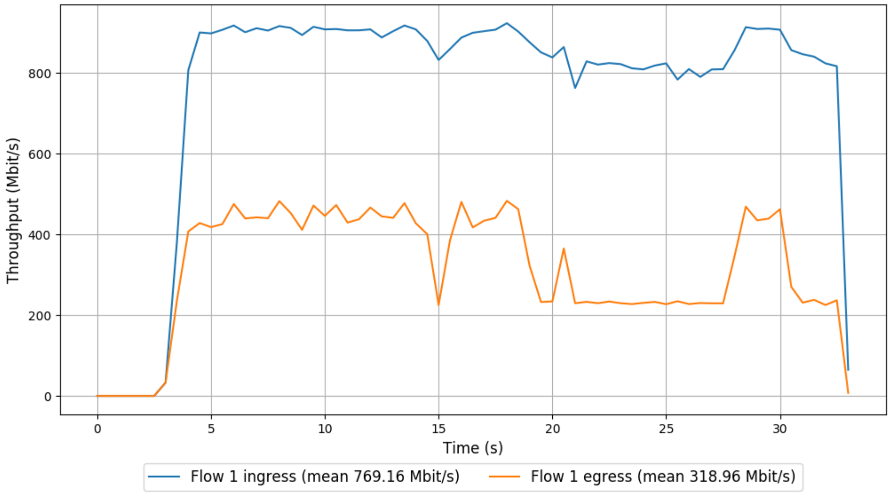
Run 8: Report of CalibratedKoho — Data Link

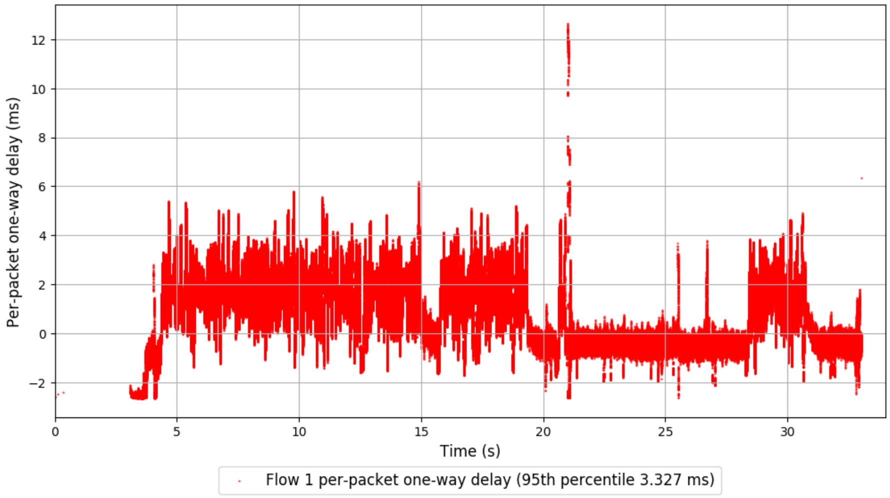




```
Run 9: Statistics of CalibratedKoho

Start at: Fri, 30 Jun 2017 00:50:26 +0000
End at: Fri, 30 Jun 2017 00:50:56 +0000
Local clock offset: -0.699 ms
Remote clock offset: -4.428 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:11:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 318.96 Mbit/s
95th percentile per-packet one-way delay: 3.327 ms
Loss rate: 58.55%
-- Flow 1:
Average throughput: 318.96 Mbit/s
95th percentile per-packet one-way delay: 3.327 ms
Loss rate: 58.55%
```

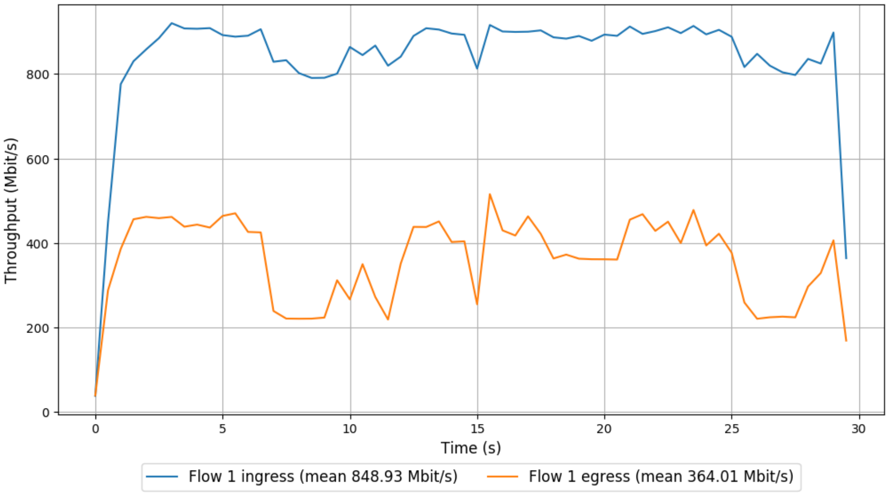
Run 9: Report of CalibratedKoho — Data Link

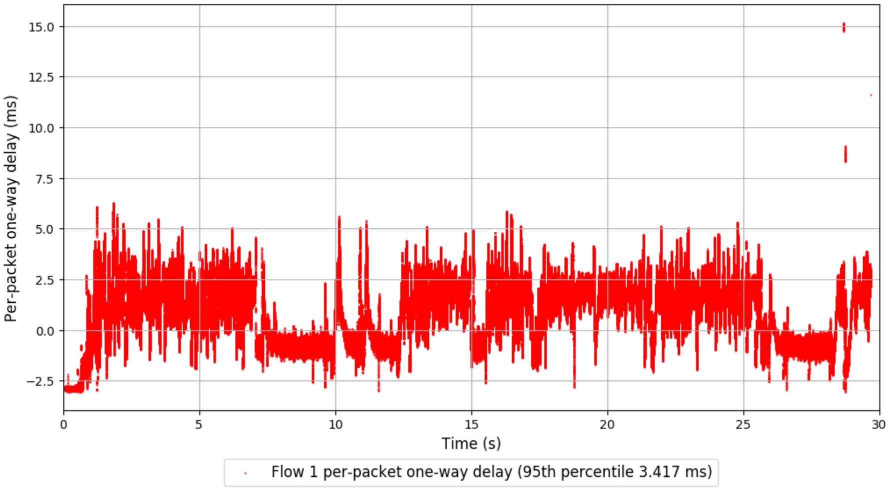




```
Run 10: Statistics of CalibratedKoho

Start at: Fri, 30 Jun 2017 01:10:00 +0000
End at: Fri, 30 Jun 2017 01:10:30 +0000
Local clock offset: -0.46 ms
Remote clock offset: -4.593 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:11:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 364.01 Mbit/s
95th percentile per-packet one-way delay: 3.417 ms
Loss rate: 57.14%
-- Flow 1:
Average throughput: 364.01 Mbit/s
95th percentile per-packet one-way delay: 3.417 ms
Loss rate: 57.14%
```

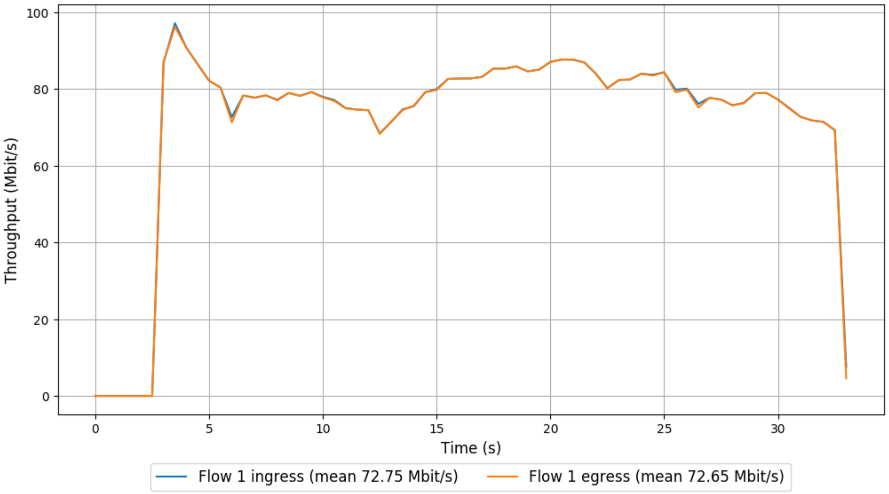
Run 10: Report of CalibratedKoho — Data Link

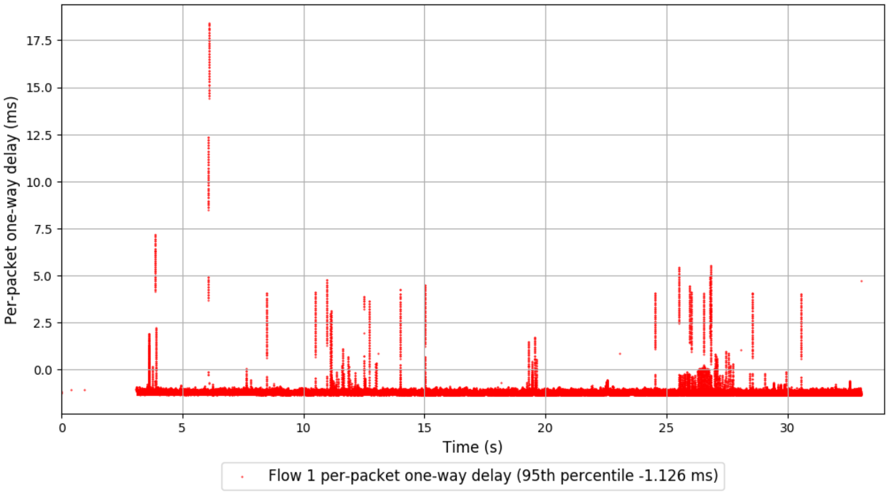




```
Run 1: Statistics of Copa

Start at: Thu, 29 Jun 2017 22:16:11 +0000
End at: Thu, 29 Jun 2017 22:16:41 +0000
Local clock offset: -0.187 ms
Remote clock offset: -2.551 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:11:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.65 Mbit/s
95th percentile per-packet one-way delay: -1.126 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 72.65 Mbit/s
95th percentile per-packet one-way delay: -1.126 ms
Loss rate: 0.17%
```

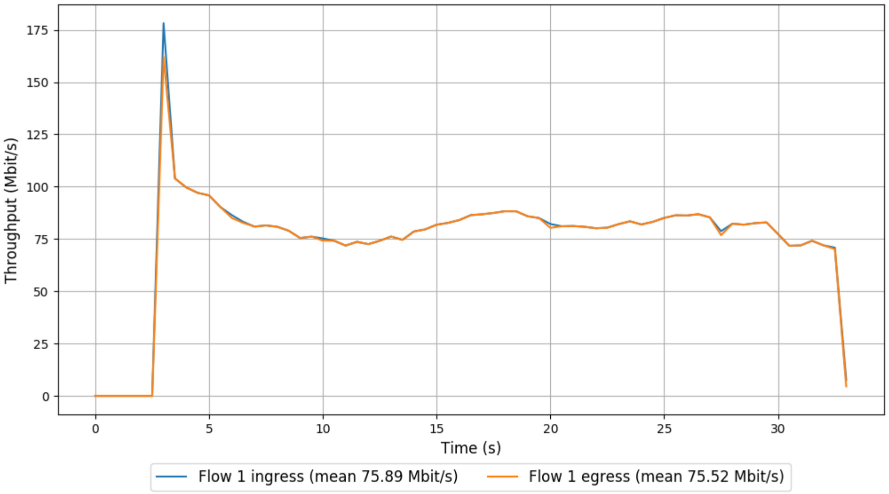
Run 1: Report of Copa — Data Link

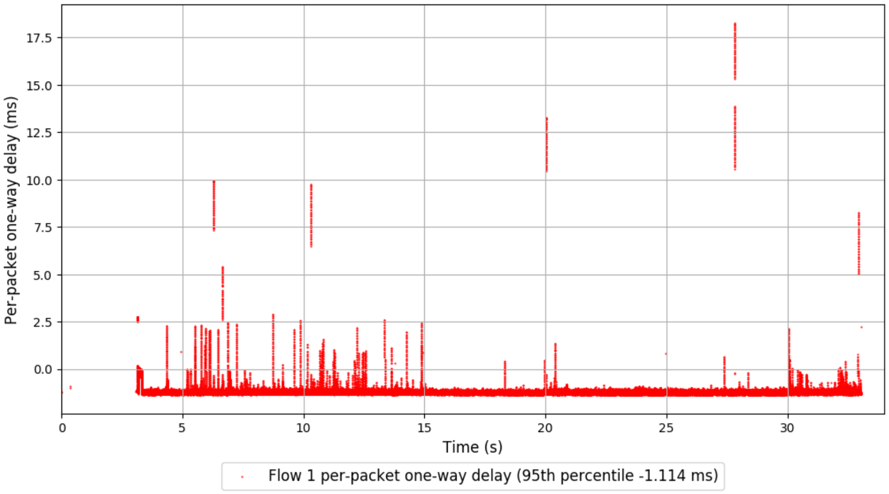




```
Run 2: Statistics of Copa

Start at: Thu, 29 Jun 2017 22:35:32 +0000
End at: Thu, 29 Jun 2017 22:36:02 +0000
Local clock offset: -0.326 ms
Remote clock offset: -2.712 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:11:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.52 Mbit/s
95th percentile per-packet one-way delay: -1.114 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 75.52 Mbit/s
95th percentile per-packet one-way delay: -1.114 ms
Loss rate: 0.53%
```

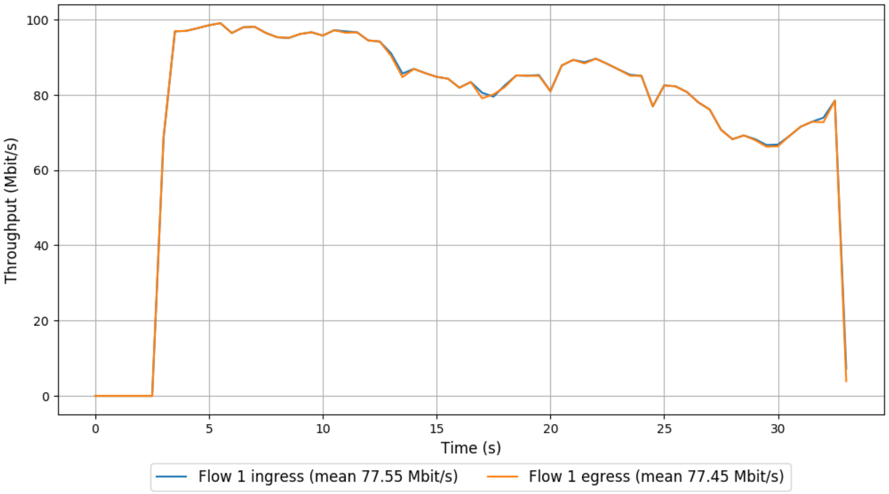
Run 2: Report of Copa — Data Link

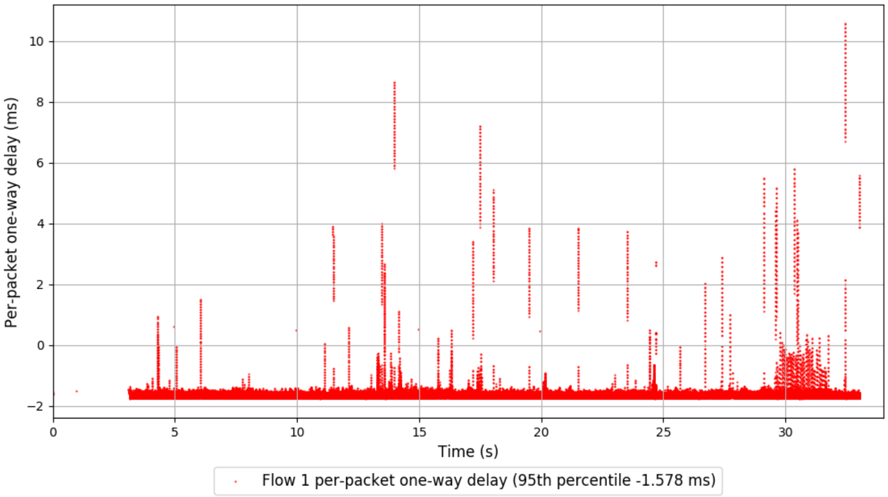




```
Run 3: Statistics of Copa

Start at: Thu, 29 Jun 2017 22:55:19 +0000
End at: Thu, 29 Jun 2017 22:55:49 +0000
Local clock offset: -0.595 ms
Remote clock offset: -3.279 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:11:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.45 Mbit/s
95th percentile per-packet one-way delay: -1.578 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 77.45 Mbit/s
95th percentile per-packet one-way delay: -1.578 ms
Loss rate: 0.19%
```

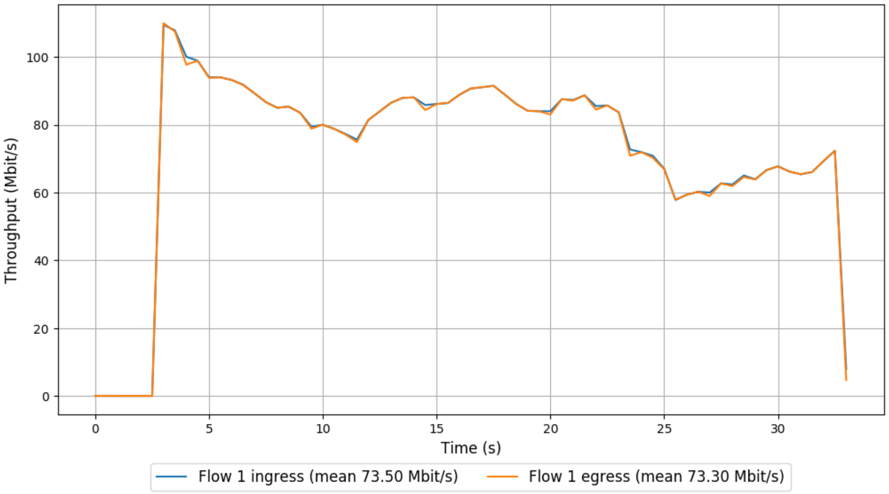
Run 3: Report of Copa — Data Link

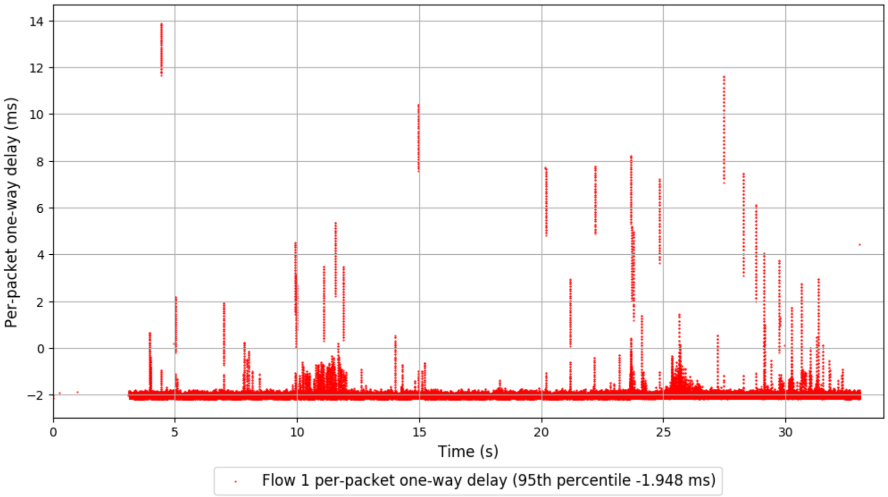




```
Run 4: Statistics of Copa

Start at: Thu, 29 Jun 2017 23:14:39 +0000
End at: Thu, 29 Jun 2017 23:15:09 +0000
Local clock offset: -0.633 ms
Remote clock offset: -3.777 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:11:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: -1.948 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 73.30 Mbit/s
95th percentile per-packet one-way delay: -1.948 ms
Loss rate: 0.32%
```

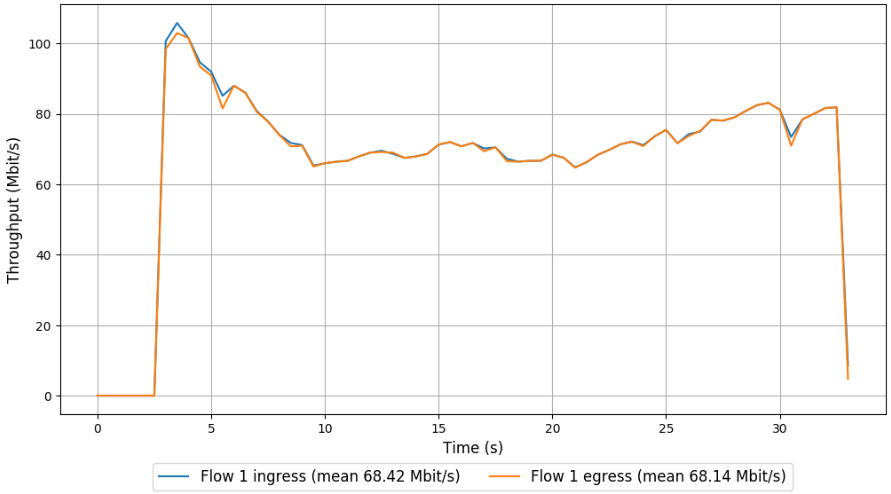
Run 4: Report of Copa — Data Link

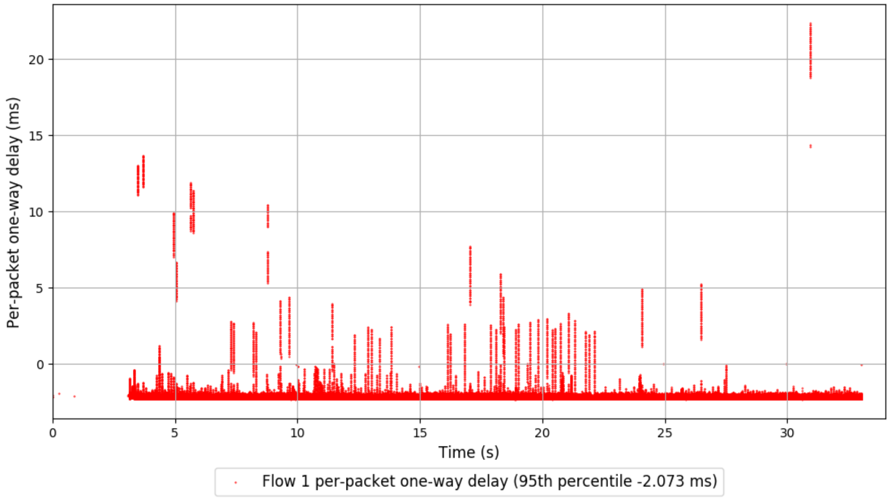




```
Run 5: Statistics of Copa

Start at: Thu, 29 Jun 2017 23:34:09 +0000
End at: Thu, 29 Jun 2017 23:34:39 +0000
Local clock offset: -0.511 ms
Remote clock offset: -3.768 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:12:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.14 Mbit/s
95th percentile per-packet one-way delay: -2.073 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 68.14 Mbit/s
95th percentile per-packet one-way delay: -2.073 ms
Loss rate: 0.47%
```

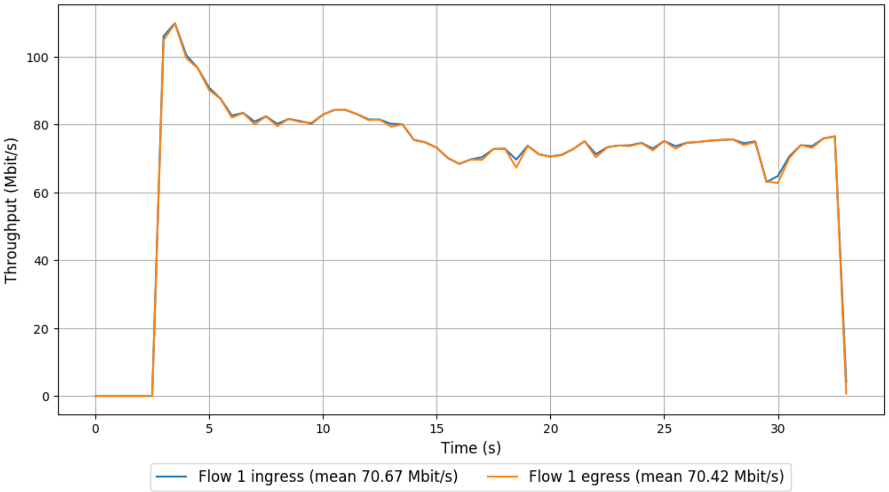
Run 5: Report of Copa — Data Link

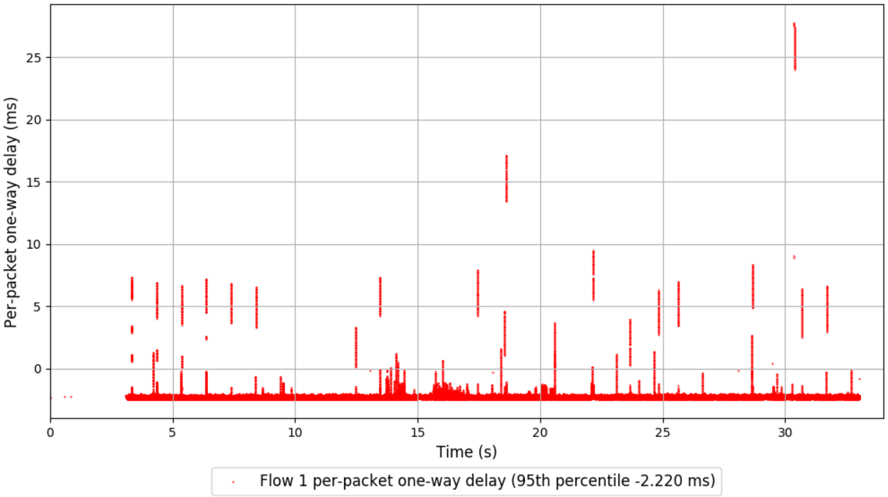




```
Run 6: Statistics of Copa

Start at: Thu, 29 Jun 2017 23:53:49 +0000
End at: Thu, 29 Jun 2017 23:54:19 +0000
Local clock offset: -0.519 ms
Remote clock offset: -3.967 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:12:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.42 Mbit/s
95th percentile per-packet one-way delay: -2.220 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 70.42 Mbit/s
95th percentile per-packet one-way delay: -2.220 ms
Loss rate: 0.41%
```

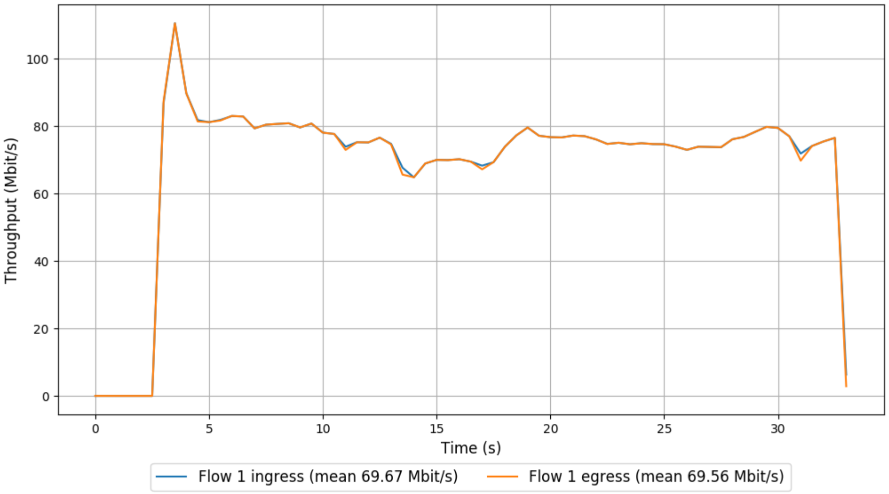
Run 6: Report of Copa — Data Link

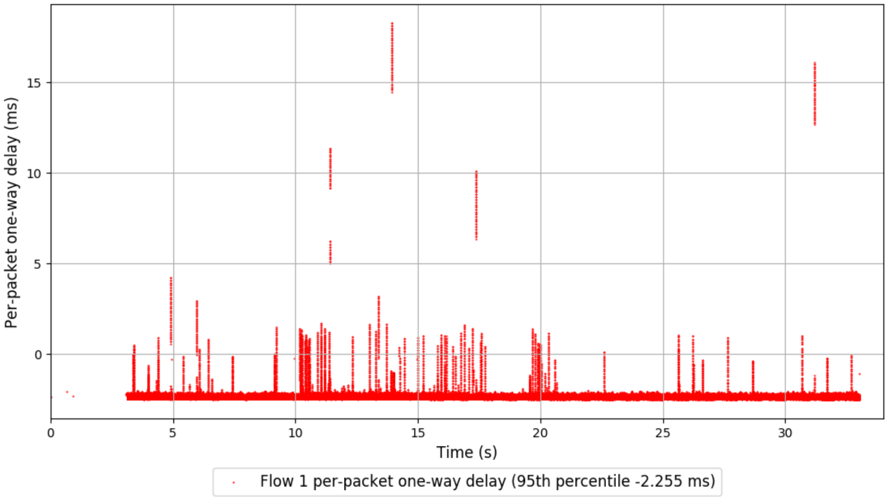




```
Run 7: Statistics of Copa

Start at: Fri, 30 Jun 2017 00:13:07 +0000
End at: Fri, 30 Jun 2017 00:13:37 +0000
Local clock offset: -0.71 ms
Remote clock offset: -4.199 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:12:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.56 Mbit/s
95th percentile per-packet one-way delay: -2.255 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 69.56 Mbit/s
95th percentile per-packet one-way delay: -2.255 ms
Loss rate: 0.21%
```

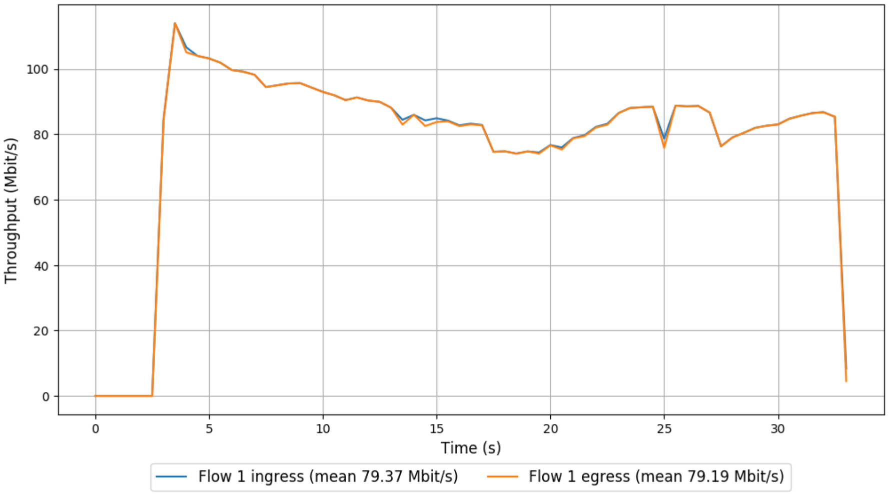
Run 7: Report of Copa — Data Link

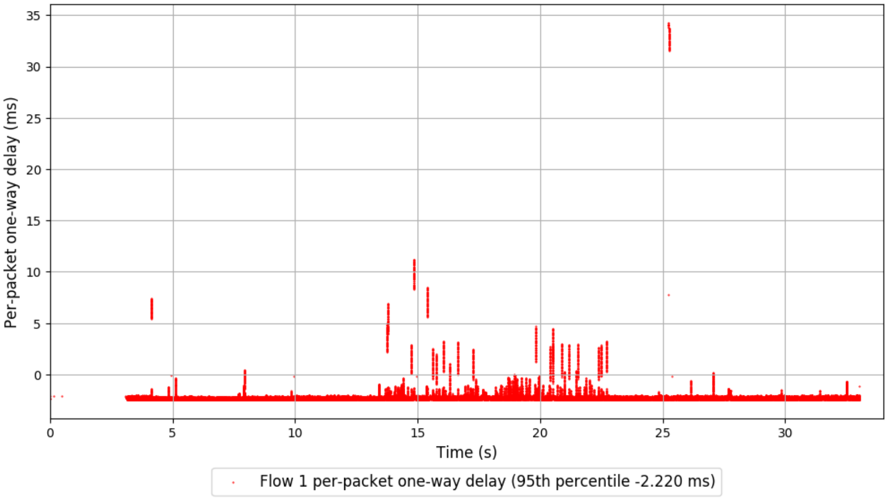




```
Run 8: Statistics of Copa

Start at: Fri, 30 Jun 2017 00:32:26 +0000
End at: Fri, 30 Jun 2017 00:32:56 +0000
Local clock offset: -0.782 ms
Remote clock offset: -4.197 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:12:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.19 Mbit/s
95th percentile per-packet one-way delay: -2.220 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 79.19 Mbit/s
95th percentile per-packet one-way delay: -2.220 ms
Loss rate: 0.28%
```

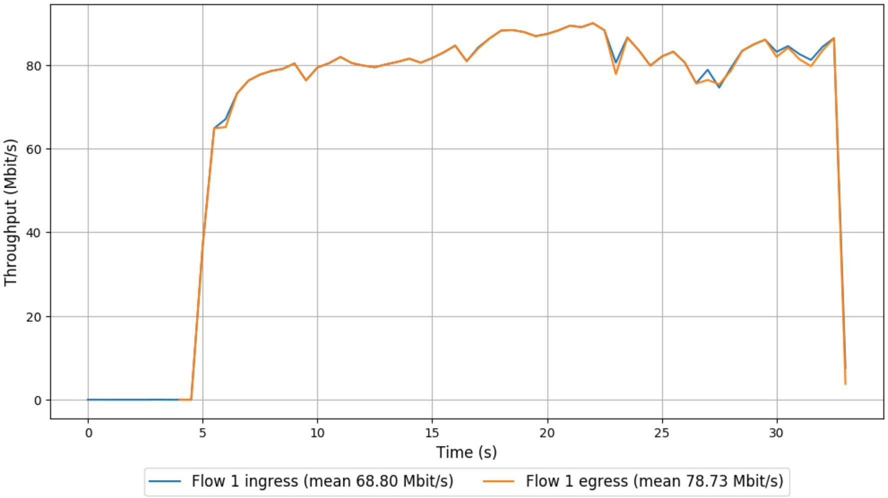
Run 8: Report of Copa — Data Link

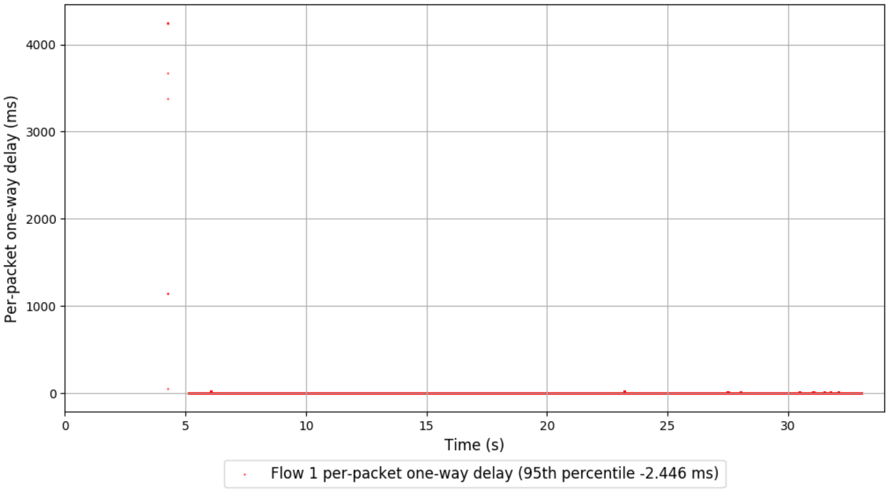




```
Run 9: Statistics of Copa

Start at: Fri, 30 Jun 2017 00:52:06 +0000
End at: Fri, 30 Jun 2017 00:52:37 +0000
Local clock offset: -0.684 ms
Remote clock offset: -4.392 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:12:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: -2.446 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: -2.446 ms
Loss rate: 0.35%
```

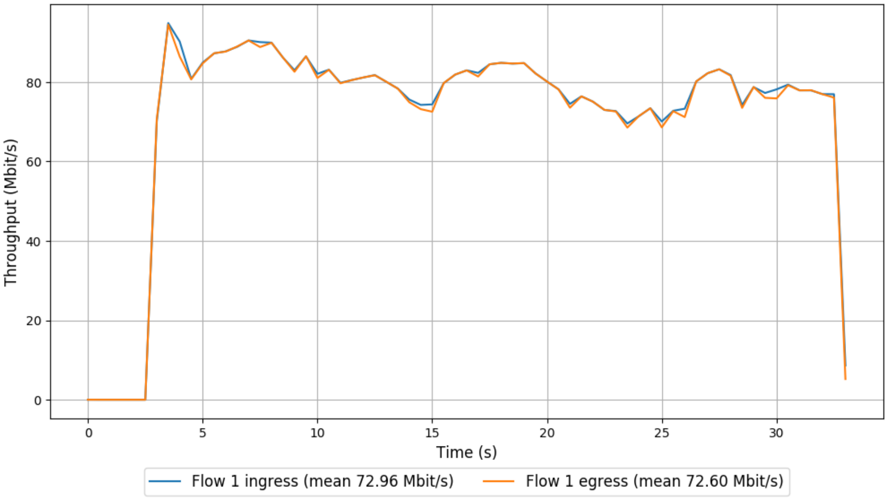
Run 9: Report of Copa — Data Link

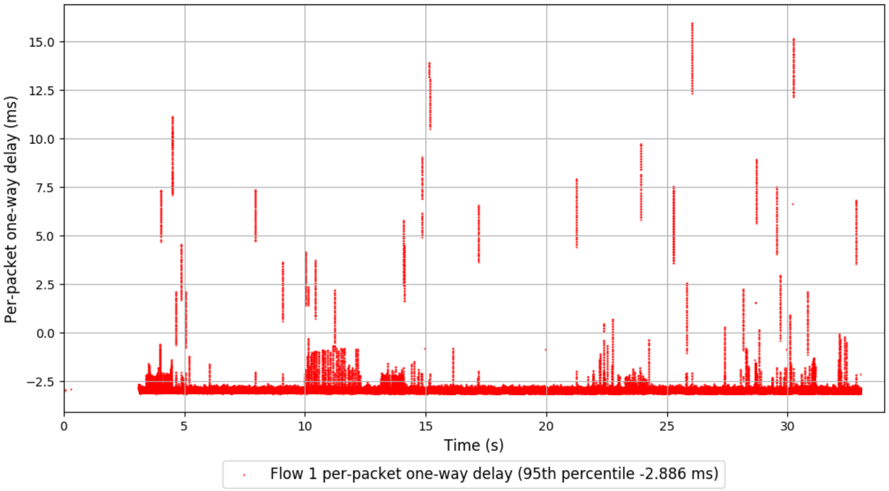




```
Run 10: Statistics of Copa

Start at: Fri, 30 Jun 2017 01:11:40 +0000
End at: Fri, 30 Jun 2017 01:12:10 +0000
Local clock offset: -0.506 ms
Remote clock offset: -4.554 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:13:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.60 Mbit/s
95th percentile per-packet one-way delay: -2.886 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 72.60 Mbit/s
95th percentile per-packet one-way delay: -2.886 ms
Loss rate: 0.54%
```

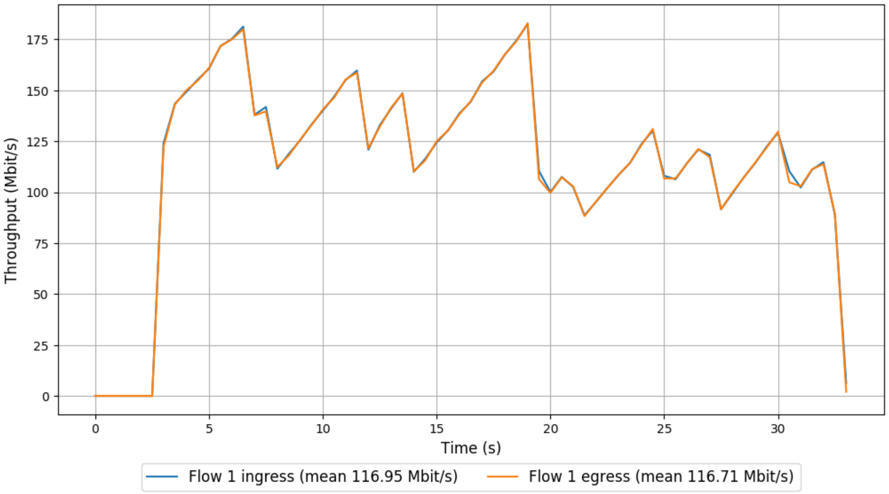
Run 10: Report of Copa — Data Link

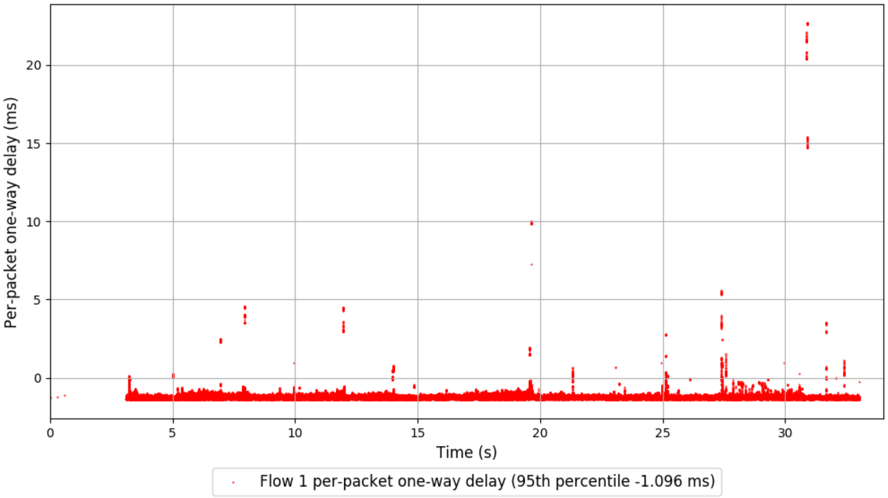




```
Run 1: Statistics of TCP Cubic

Start at: Thu, 29 Jun 2017 22:23:35 +0000
End at: Thu, 29 Jun 2017 22:24:05 +0000
Local clock offset: -0.248 ms
Remote clock offset: -2.613 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:13:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 116.71 Mbit/s
95th percentile per-packet one-way delay: -1.096 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 116.71 Mbit/s
95th percentile per-packet one-way delay: -1.096 ms
Loss rate: 0.27%
```

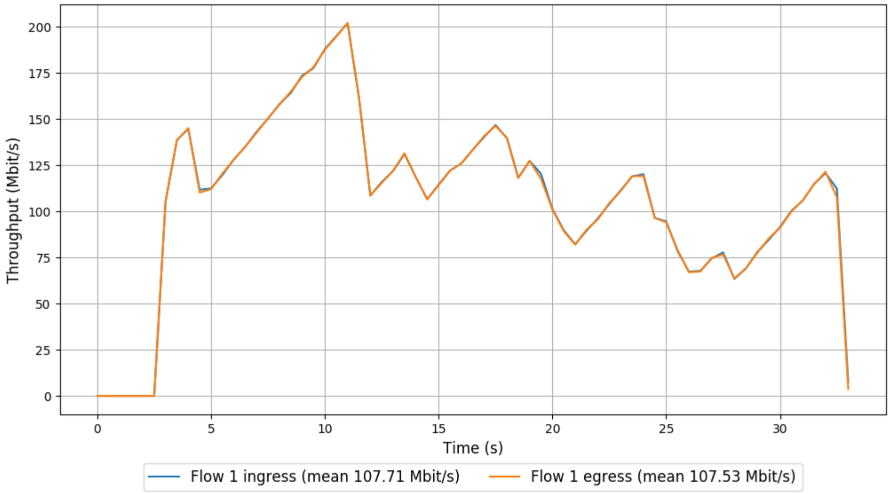
Run 1: Report of TCP Cubic — Data Link

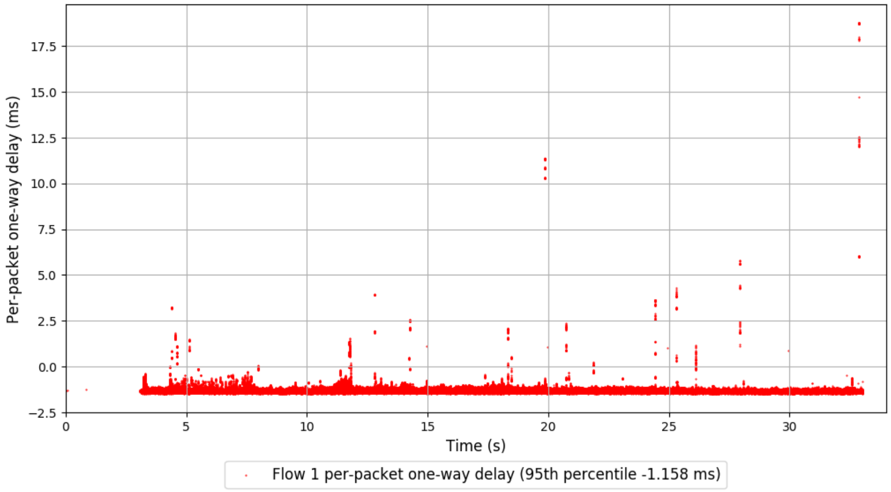




```
Run 2: Statistics of TCP Cubic

Start at: Thu, 29 Jun 2017 22:42:58 +0000
End at: Thu, 29 Jun 2017 22:43:28 +0000
Local clock offset: -0.511 ms
Remote clock offset: -2.94 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:13:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.53 Mbit/s
95th percentile per-packet one-way delay: -1.158 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 107.53 Mbit/s
95th percentile per-packet one-way delay: -1.158 ms
Loss rate: 0.22%
```

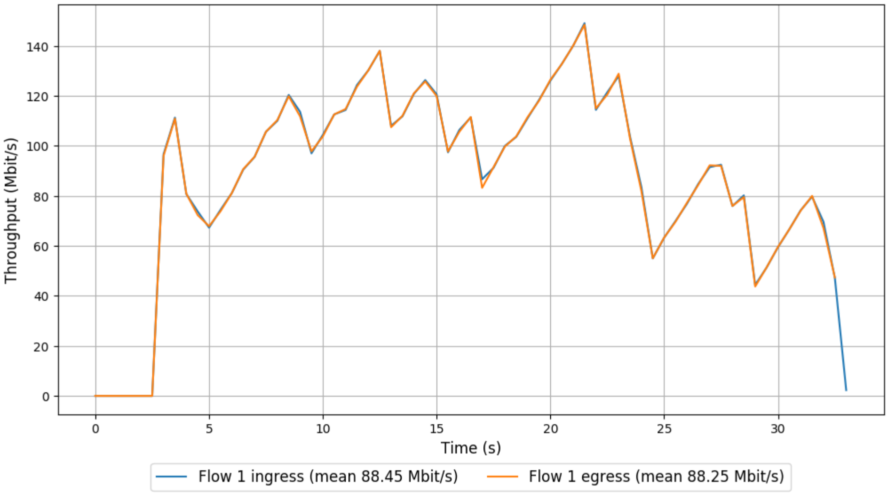
Run 2: Report of TCP Cubic — Data Link

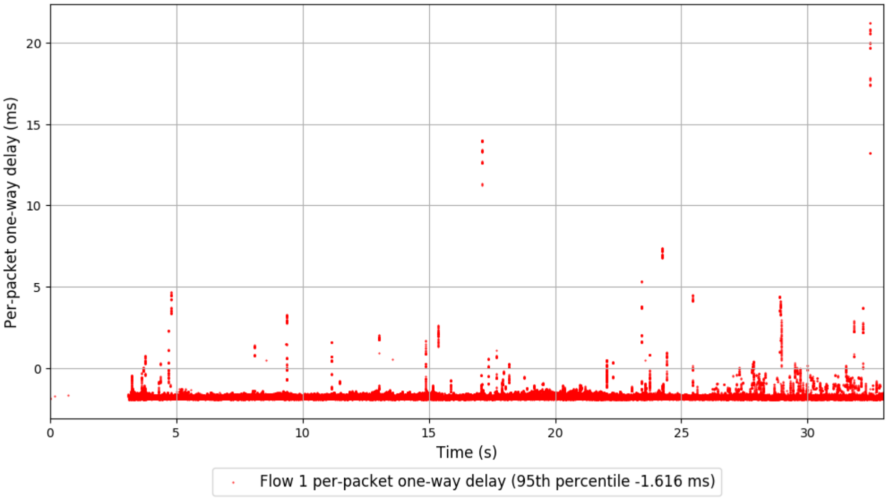




```
Run 3: Statistics of TCP Cubic

Start at: Thu, 29 Jun 2017 23:02:45 +0000
End at: Thu, 29 Jun 2017 23:03:15 +0000
Local clock offset: -0.646 ms
Remote clock offset: -3.441 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:13:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: -1.616 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 88.25 Mbit/s
95th percentile per-packet one-way delay: -1.616 ms
Loss rate: 0.28%
```

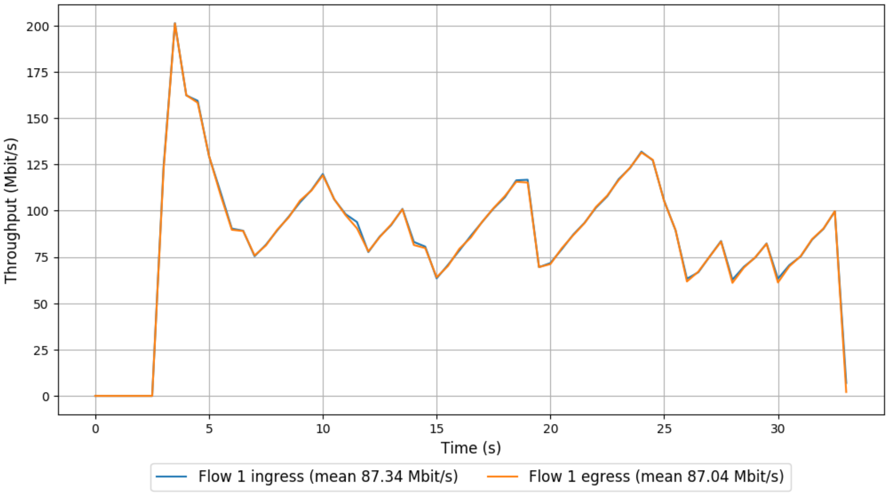
Run 3: Report of TCP Cubic — Data Link

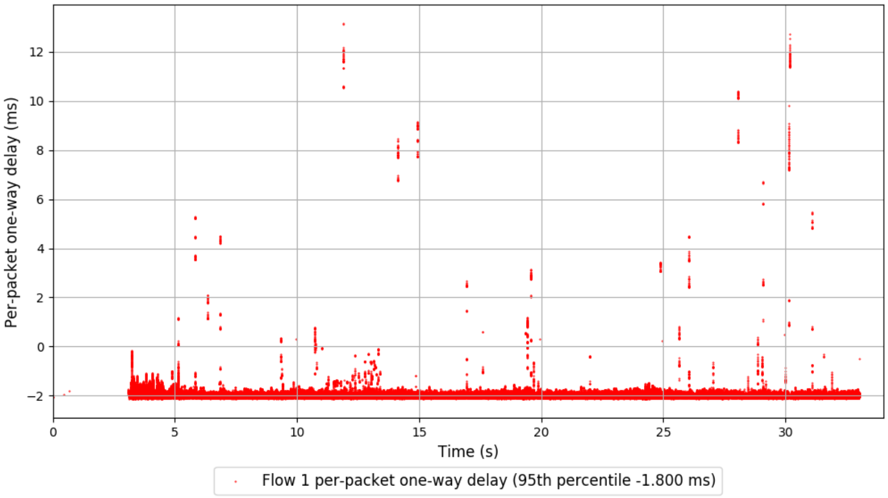




```
Run 4: Statistics of TCP Cubic

Start at: Thu, 29 Jun 2017 23:22:04 +0000
End at: Thu, 29 Jun 2017 23:22:34 +0000
Local clock offset: -0.619 ms
Remote clock offset: -3.588 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:13:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.04 Mbit/s
95th percentile per-packet one-way delay: -1.800 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 87.04 Mbit/s
95th percentile per-packet one-way delay: -1.800 ms
Loss rate: 0.40%
```

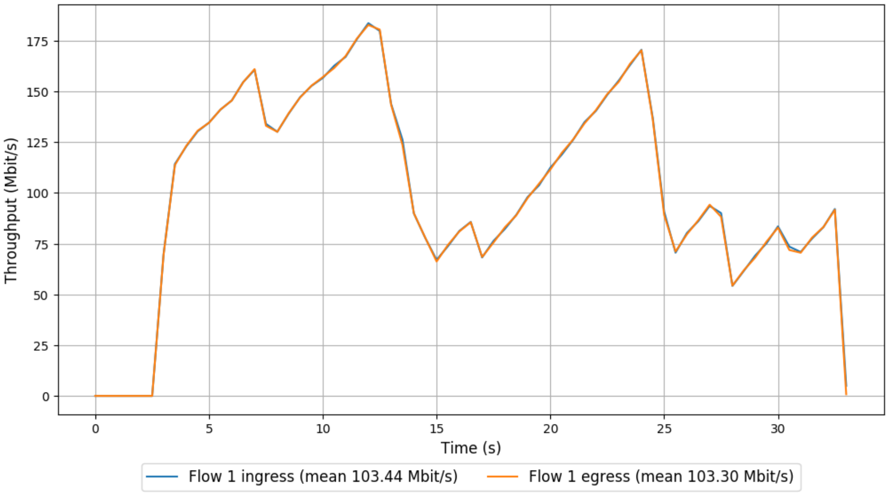
Run 4: Report of TCP Cubic — Data Link

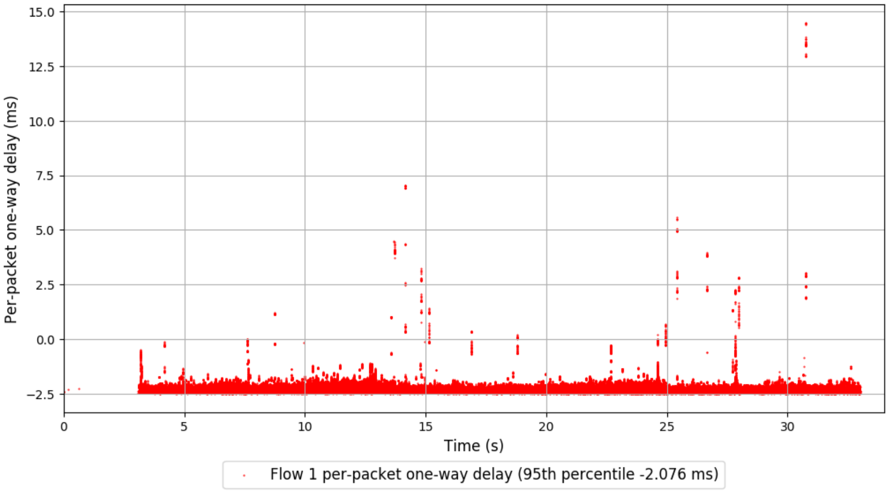




```
Run 5: Statistics of TCP Cubic

Start at: Thu, 29 Jun 2017 23:41:35 +0000
End at: Thu, 29 Jun 2017 23:42:05 +0000
Local clock offset: -0.518 ms
Remote clock offset: -3.939 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:13:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.30 Mbit/s
95th percentile per-packet one-way delay: -2.076 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 103.30 Mbit/s
95th percentile per-packet one-way delay: -2.076 ms
Loss rate: 0.20%
```

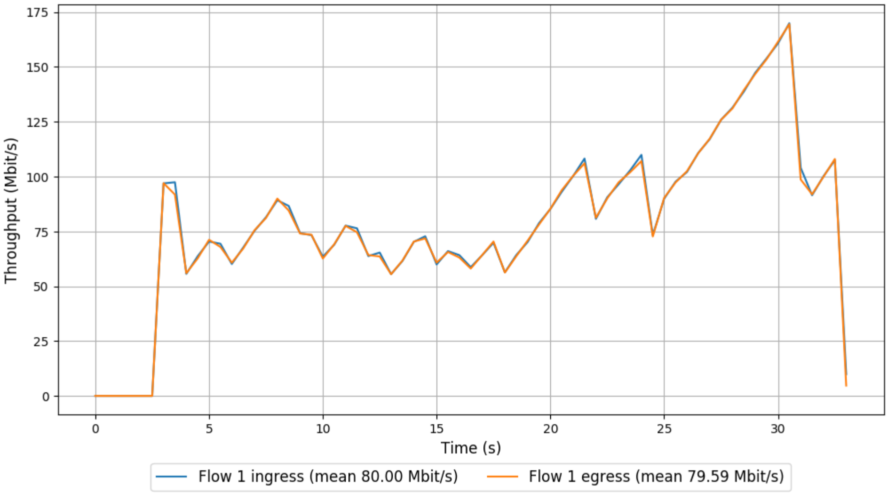
Run 5: Report of TCP Cubic — Data Link

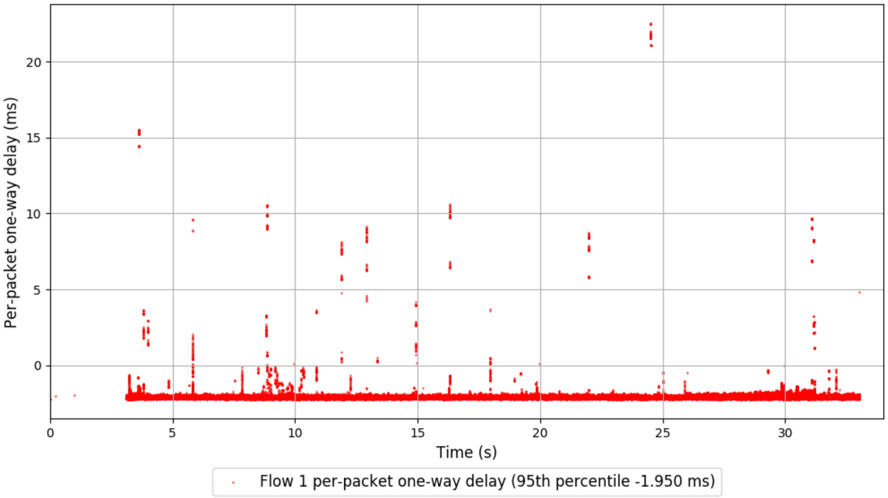




```
Run 6: Statistics of TCP Cubic

Start at: Fri, 30 Jun 2017 00:01:13 +0000
End at: Fri, 30 Jun 2017 00:01:43 +0000
Local clock offset: -0.666 ms
Remote clock offset: -3.818 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:13:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.59 Mbit/s
95th percentile per-packet one-way delay: -1.950 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 79.59 Mbit/s
95th percentile per-packet one-way delay: -1.950 ms
Loss rate: 0.54%
```

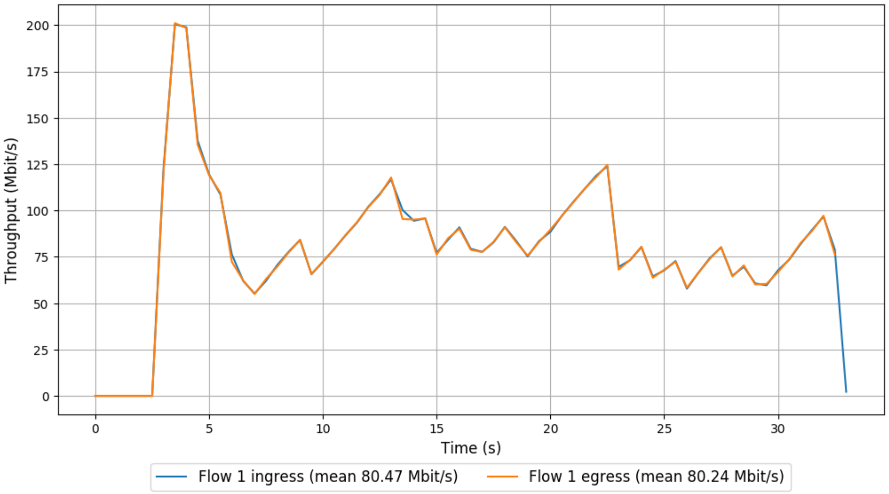
Run 6: Report of TCP Cubic — Data Link

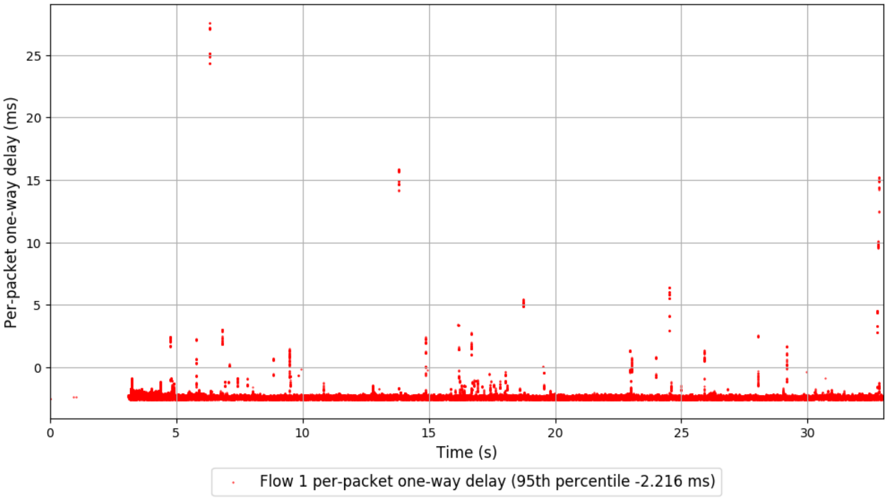




```
Run 7: Statistics of TCP Cubic

Start at: Fri, 30 Jun 2017 00:20:33 +0000
End at: Fri, 30 Jun 2017 00:21:03 +0000
Local clock offset: -0.839 ms
Remote clock offset: -4.268 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:13:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.24 Mbit/s
95th percentile per-packet one-way delay: -2.216 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 80.24 Mbit/s
95th percentile per-packet one-way delay: -2.216 ms
Loss rate: 0.35%
```

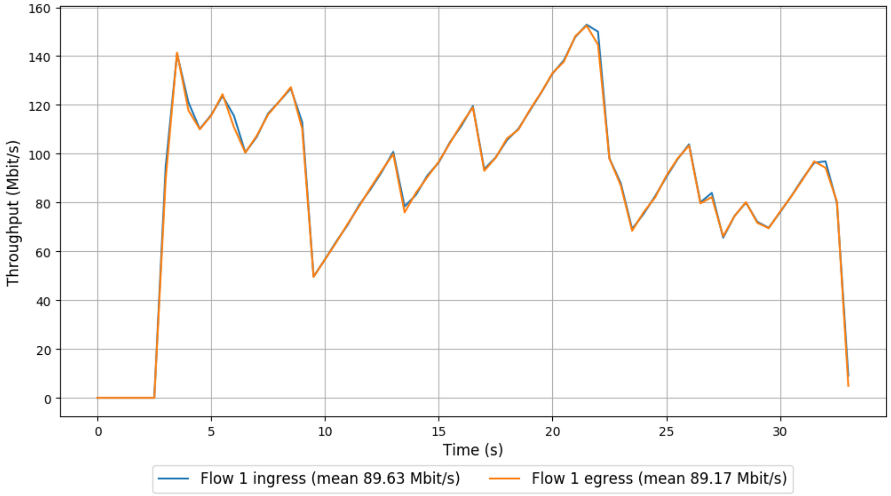
Run 7: Report of TCP Cubic — Data Link

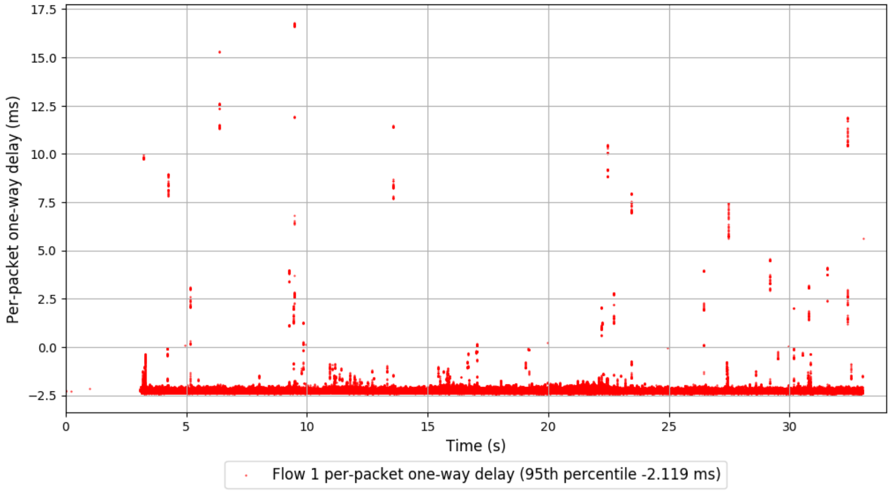




```
Run 8: Statistics of TCP Cubic

Start at: Fri, 30 Jun 2017 00:39:53 +0000
End at: Fri, 30 Jun 2017 00:40:23 +0000
Local clock offset: -0.748 ms
Remote clock offset: -4.195 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: -2.119 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 89.17 Mbit/s
95th percentile per-packet one-way delay: -2.119 ms
Loss rate: 0.54%
```

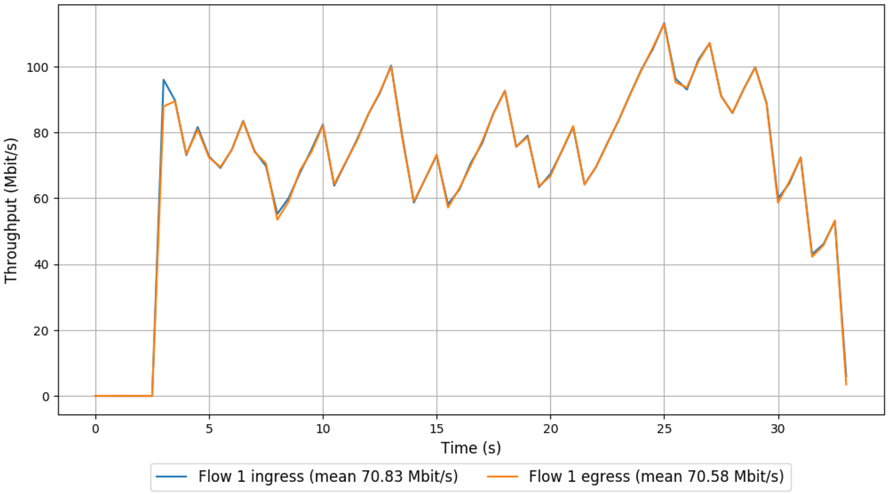
Run 8: Report of TCP Cubic — Data Link

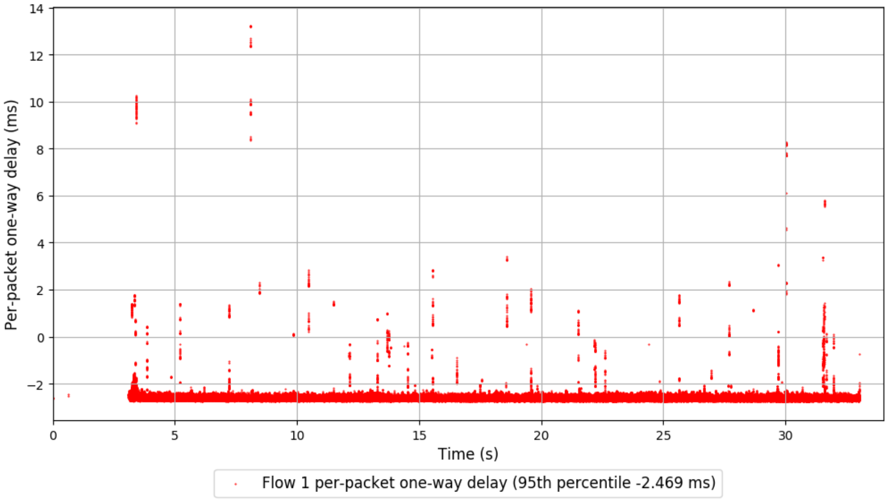




```
Run 9: Statistics of TCP Cubic

Start at: Fri, 30 Jun 2017 00:59:31 +0000
End at: Fri, 30 Jun 2017 01:00:01 +0000
Local clock offset: -0.723 ms
Remote clock offset: -4.418 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.58 Mbit/s
95th percentile per-packet one-way delay: -2.469 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 70.58 Mbit/s
95th percentile per-packet one-way delay: -2.469 ms
Loss rate: 0.40%
```

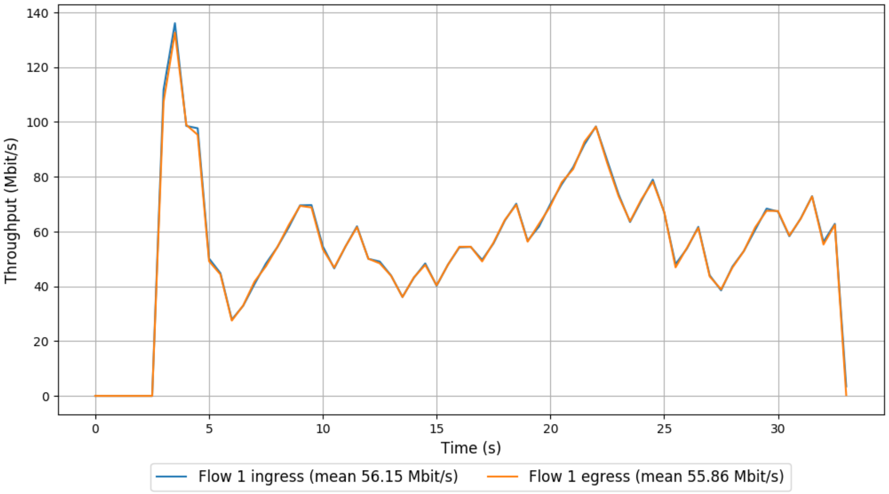
Run 9: Report of TCP Cubic — Data Link

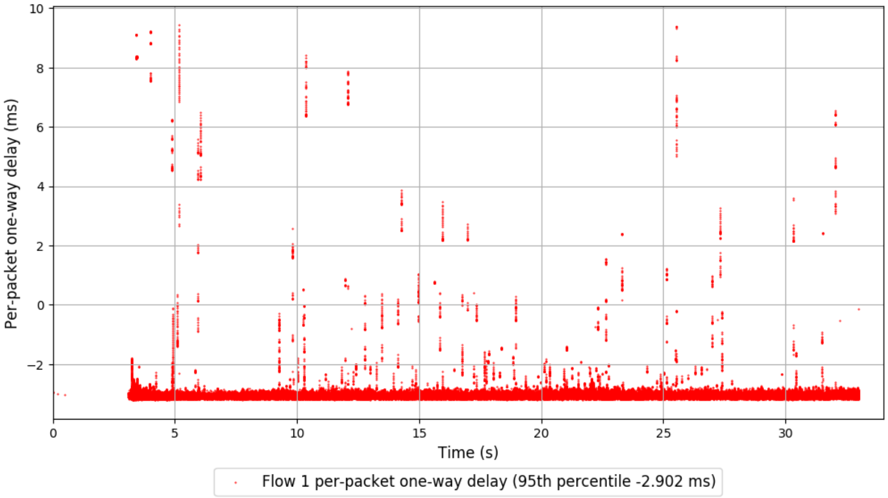




```
Run 10: Statistics of TCP Cubic

Start at: Fri, 30 Jun 2017 01:19:05 +0000
End at: Fri, 30 Jun 2017 01:19:35 +0000
Local clock offset: -0.389 ms
Remote clock offset: -4.512 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: -2.902 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 55.86 Mbit/s
95th percentile per-packet one-way delay: -2.902 ms
Loss rate: 0.57%
```

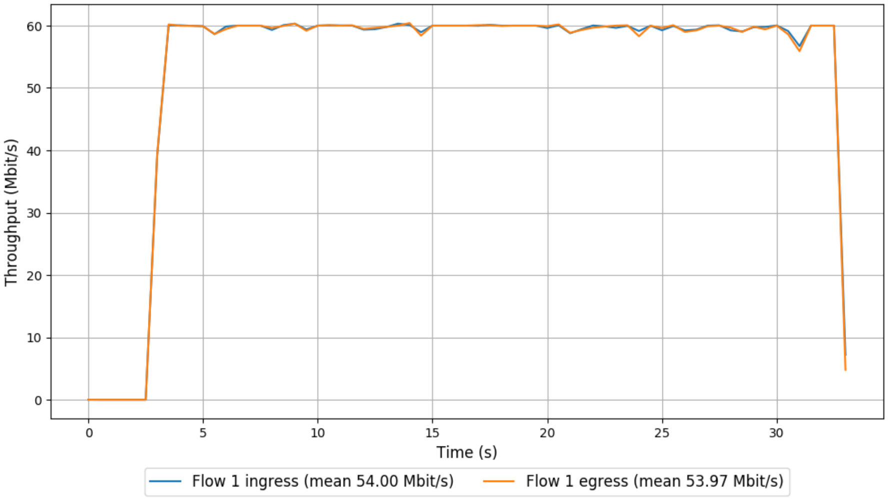
Run 10: Report of TCP Cubic — Data Link

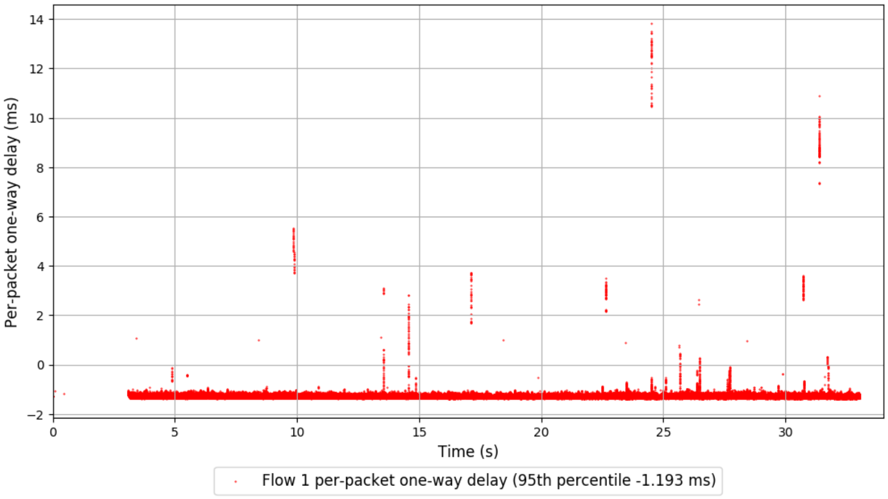




```
Run 1: Statistics of KohoCC

Start at: Thu, 29 Jun 2017 22:17:27 +0000
End at: Thu, 29 Jun 2017 22:17:58 +0000
Local clock offset: -0.303 ms
Remote clock offset: -2.622 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: -1.193 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: -1.193 ms
Loss rate: 0.12%
```

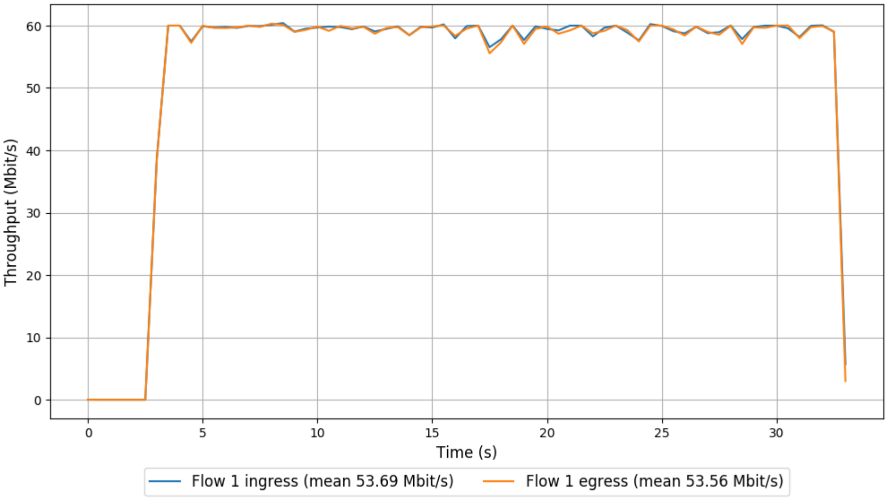
Run 1: Report of KohoCC — Data Link

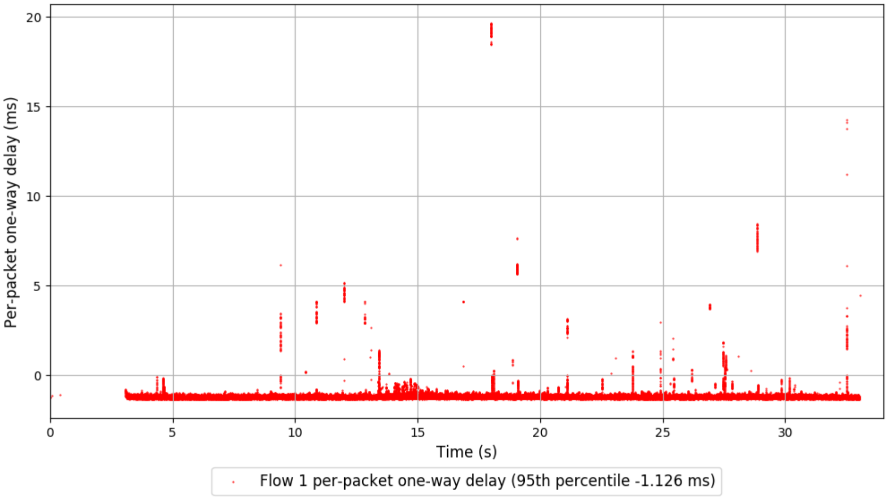




```
Run 2: Statistics of KohoCC

Start at: Thu, 29 Jun 2017 22:36:49 +0000
End at: Thu, 29 Jun 2017 22:37:19 +0000
Local clock offset: -0.374 ms
Remote clock offset: -2.801 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: -1.126 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: -1.126 ms
Loss rate: 0.25%
```

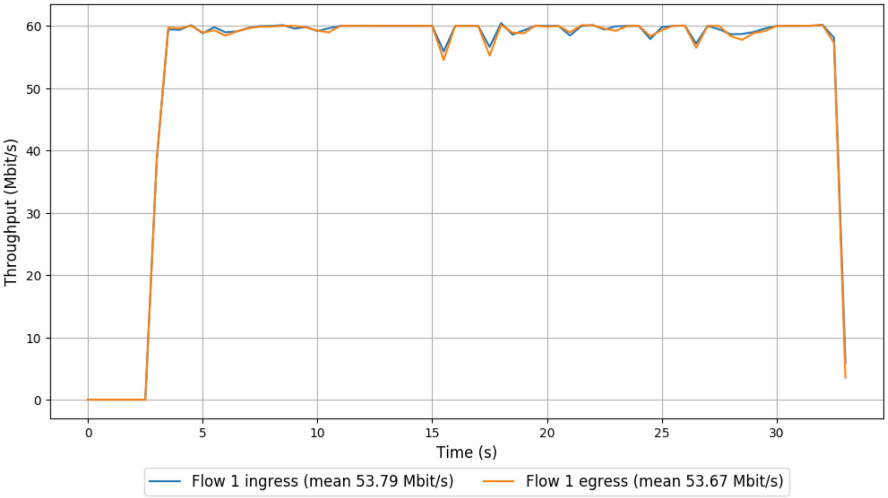
Run 2: Report of KohoCC — Data Link

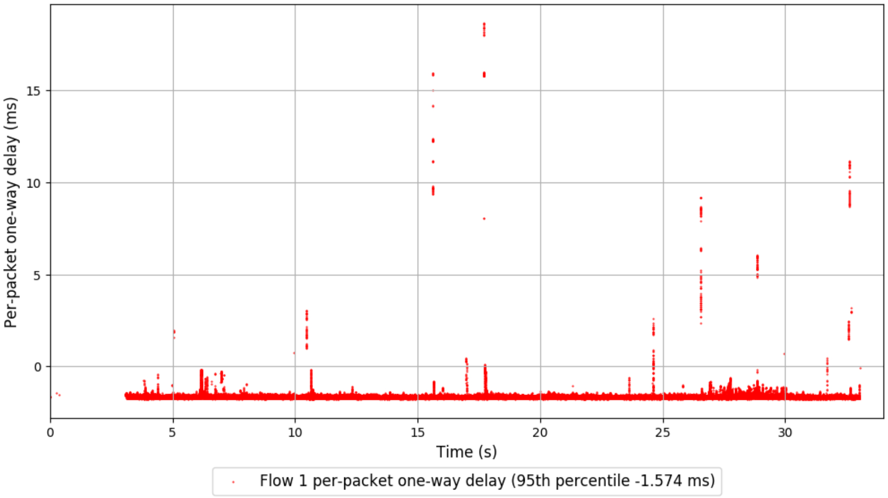




```
Run 3: Statistics of KohoCC

Start at: Thu, 29 Jun 2017 22:56:36 +0000
End at: Thu, 29 Jun 2017 22:57:06 +0000
Local clock offset: -0.53 ms
Remote clock offset: -3.27 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.67 Mbit/s
95th percentile per-packet one-way delay: -1.574 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 53.67 Mbit/s
95th percentile per-packet one-way delay: -1.574 ms
Loss rate: 0.27%
```

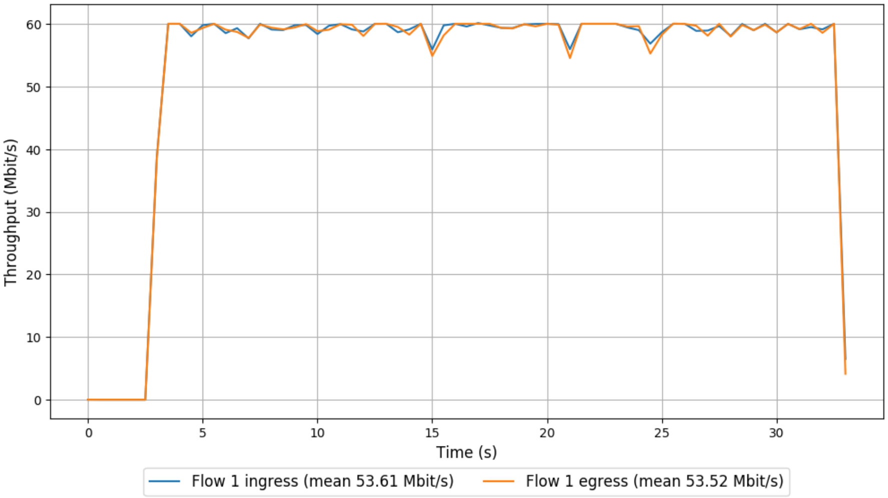
Run 3: Report of KohoCC — Data Link

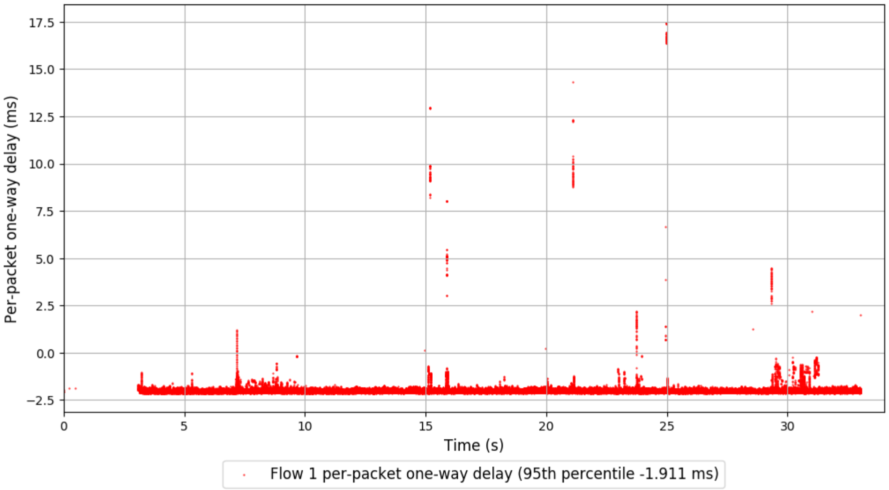




```
Run 4: Statistics of KohoCC

Start at: Thu, 29 Jun 2017 23:15:55 +0000
End at: Thu, 29 Jun 2017 23:16:25 +0000
Local clock offset: -0.537 ms
Remote clock offset: -3.688 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.52 Mbit/s
95th percentile per-packet one-way delay: -1.911 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 53.52 Mbit/s
95th percentile per-packet one-way delay: -1.911 ms
Loss rate: 0.22%
```

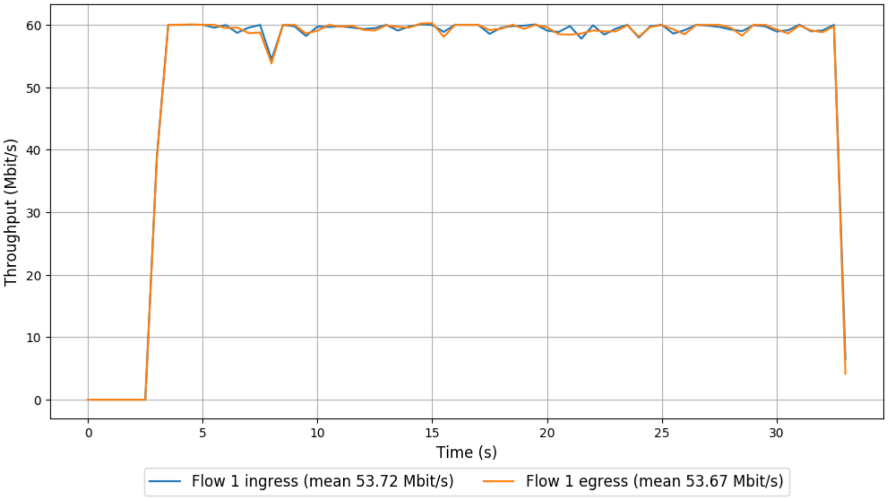
Run 4: Report of KohoCC — Data Link

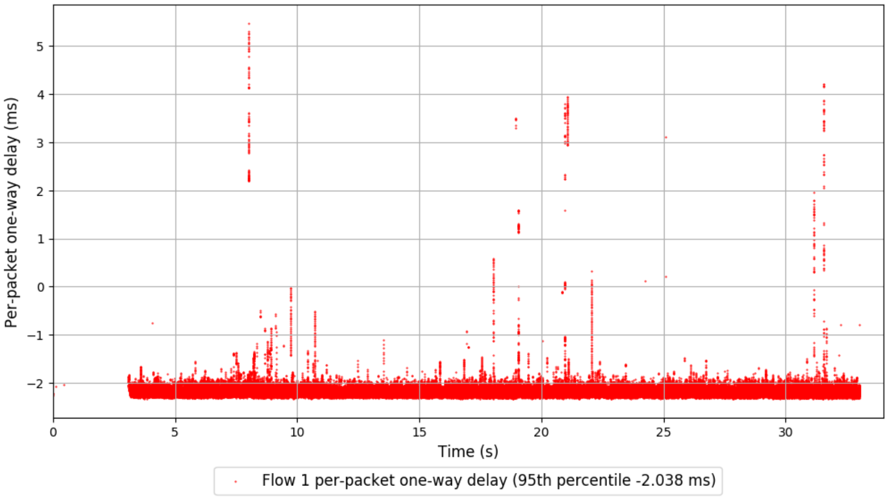




```
Run 5: Statistics of KohoCC

Start at: Thu, 29 Jun 2017 23:35:25 +0000
End at: Thu, 29 Jun 2017 23:35:55 +0000
Local clock offset: -0.614 ms
Remote clock offset: -3.799 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.67 Mbit/s
95th percentile per-packet one-way delay: -2.038 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 53.67 Mbit/s
95th percentile per-packet one-way delay: -2.038 ms
Loss rate: 0.16%
```

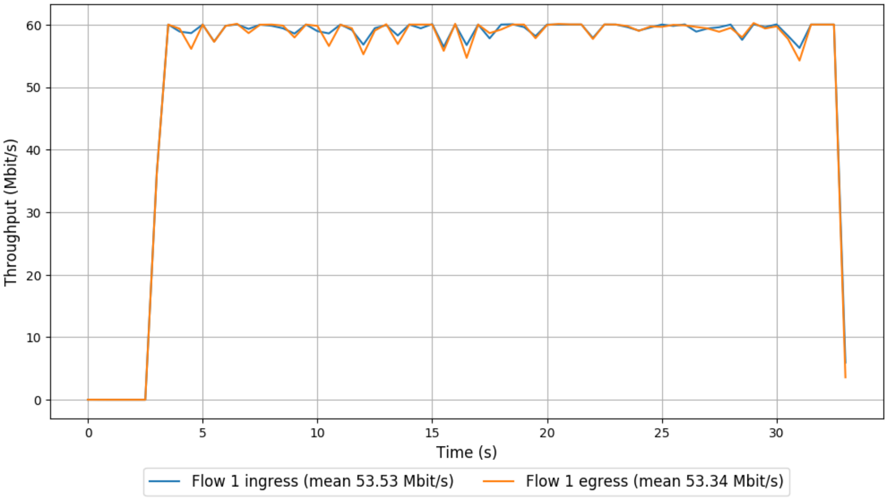
Run 5: Report of KohoCC — Data Link

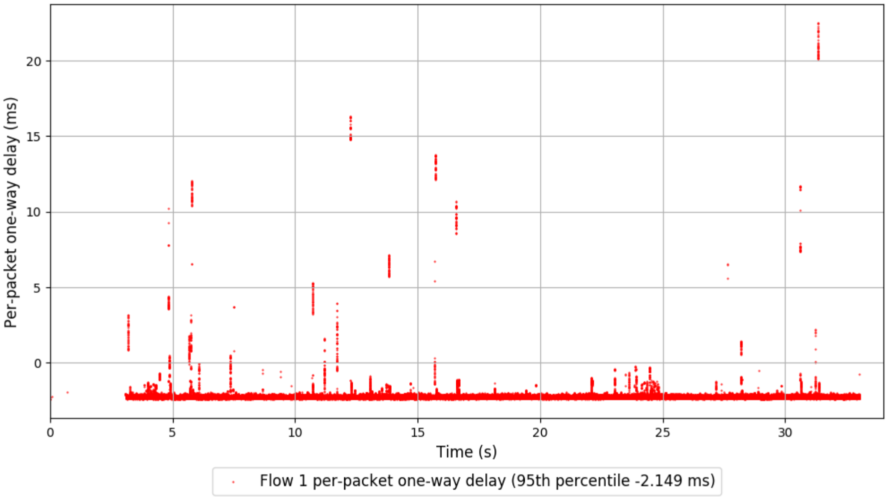




```
Run 6: Statistics of KohoCC

Start at: Thu, 29 Jun 2017 23:55:05 +0000
End at: Thu, 29 Jun 2017 23:55:35 +0000
Local clock offset: -0.598 ms
Remote clock offset: -3.951 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: -2.149 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 53.34 Mbit/s
95th percentile per-packet one-way delay: -2.149 ms
Loss rate: 0.40%
```

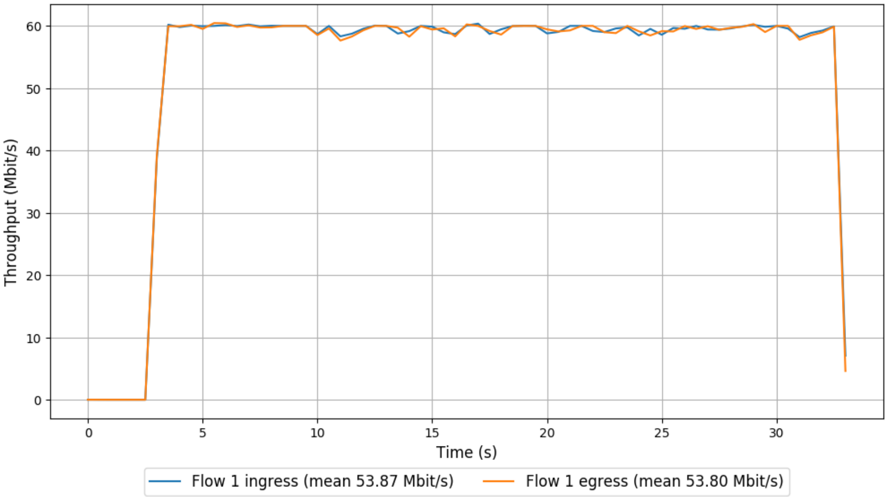
Run 6: Report of KohoCC — Data Link

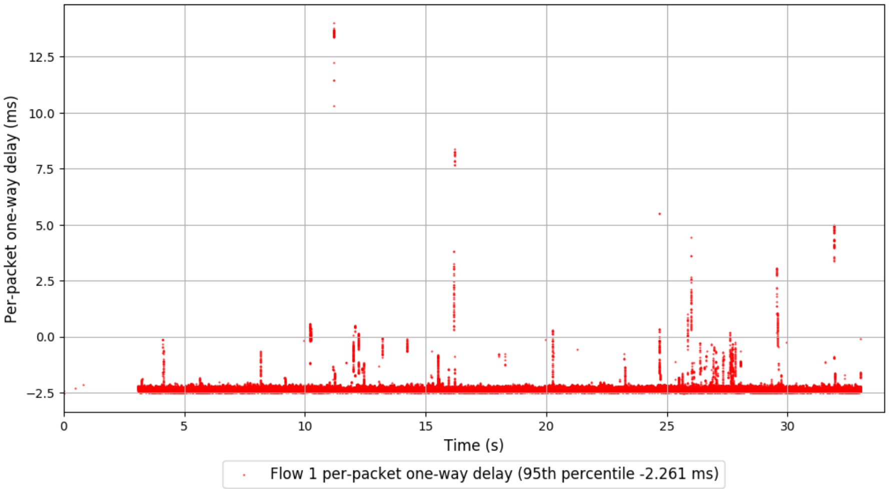




```
Run 7: Statistics of KohoCC

Start at: Fri, 30 Jun 2017 00:14:23 +0000
End at: Fri, 30 Jun 2017 00:14:53 +0000
Local clock offset: -0.709 ms
Remote clock offset: -4.228 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.80 Mbit/s
95th percentile per-packet one-way delay: -2.261 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 53.80 Mbit/s
95th percentile per-packet one-way delay: -2.261 ms
Loss rate: 0.17%
```

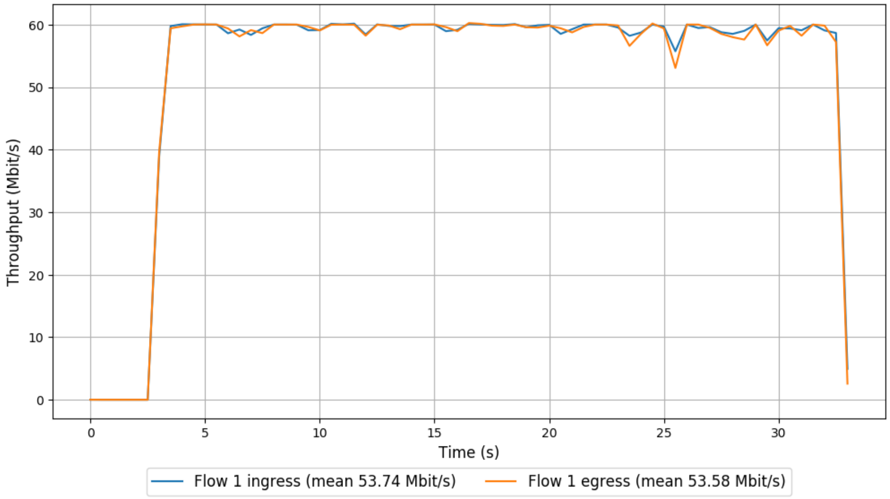
Run 7: Report of KohoCC — Data Link

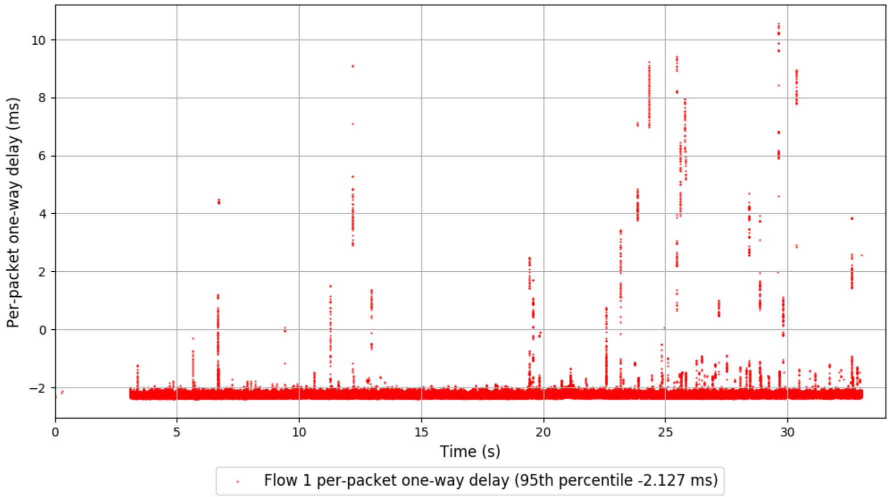




```
Run 8: Statistics of KohoCC

Start at: Fri, 30 Jun 2017 00:33:43 +0000
End at: Fri, 30 Jun 2017 00:34:13 +0000
Local clock offset: -0.762 ms
Remote clock offset: -4.219 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.58 Mbit/s
95th percentile per-packet one-way delay: -2.127 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 53.58 Mbit/s
95th percentile per-packet one-way delay: -2.127 ms
Loss rate: 0.33%
```

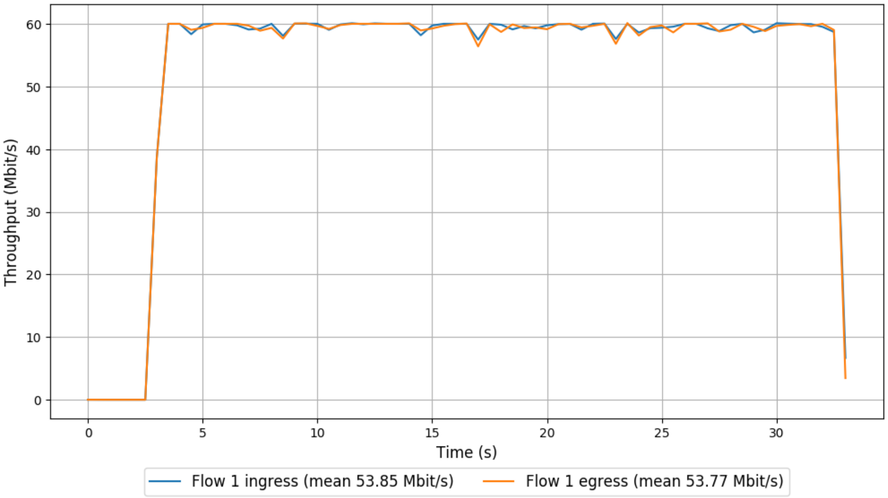
Run 8: Report of KohoCC — Data Link

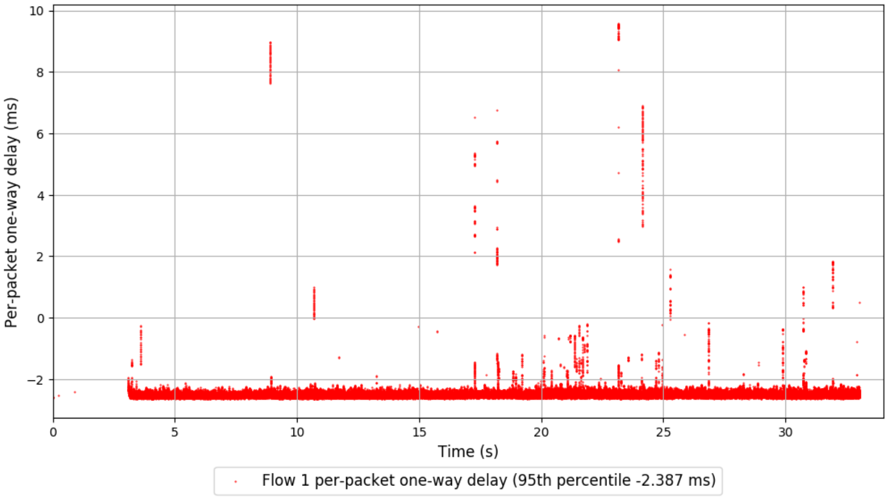




```
Run 9: Statistics of KohoCC

Start at: Fri, 30 Jun 2017 00:53:23 +0000
End at: Fri, 30 Jun 2017 00:53:53 +0000
Local clock offset: -0.687 ms
Remote clock offset: -4.265 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: -2.387 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: -2.387 ms
Loss rate: 0.20%
```

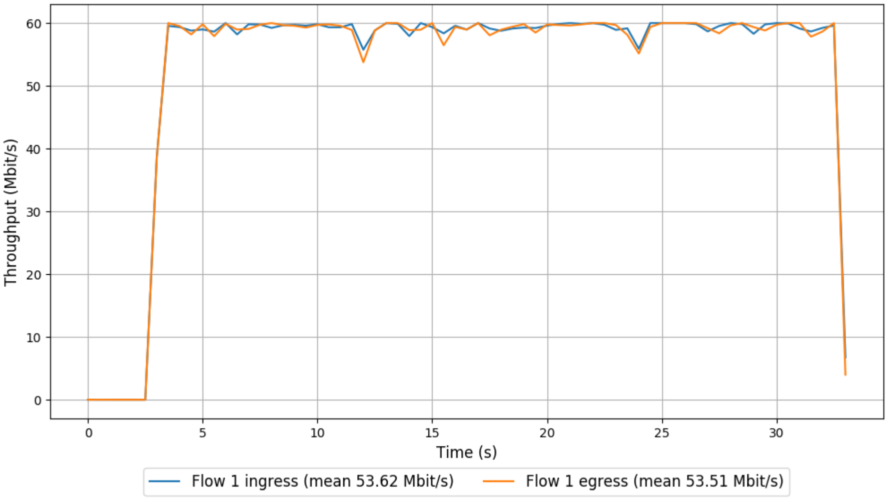
Run 9: Report of KohoCC — Data Link

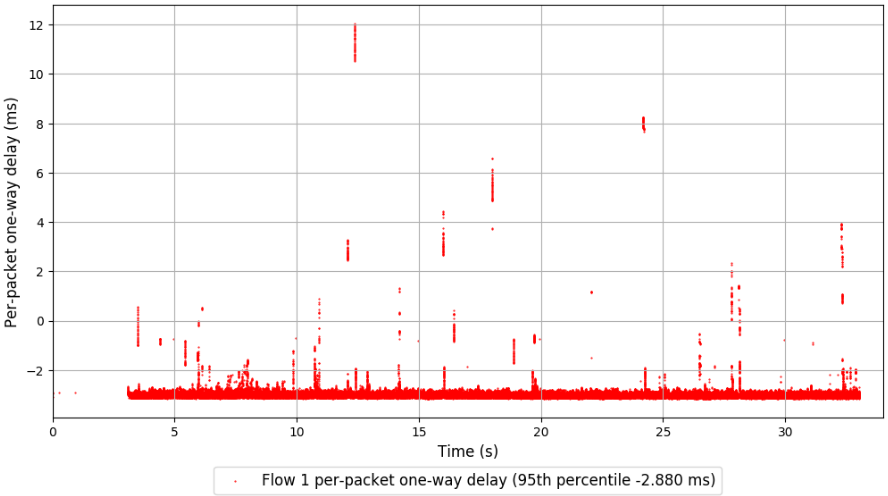




```
Run 10: Statistics of KohoCC

Start at: Fri, 30 Jun 2017 01:12:57 +0000
End at: Fri, 30 Jun 2017 01:13:27 +0000
Local clock offset: -0.418 ms
Remote clock offset: -4.616 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:14:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.51 Mbit/s
95th percentile per-packet one-way delay: -2.880 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 53.51 Mbit/s
95th percentile per-packet one-way delay: -2.880 ms
Loss rate: 0.28%
```

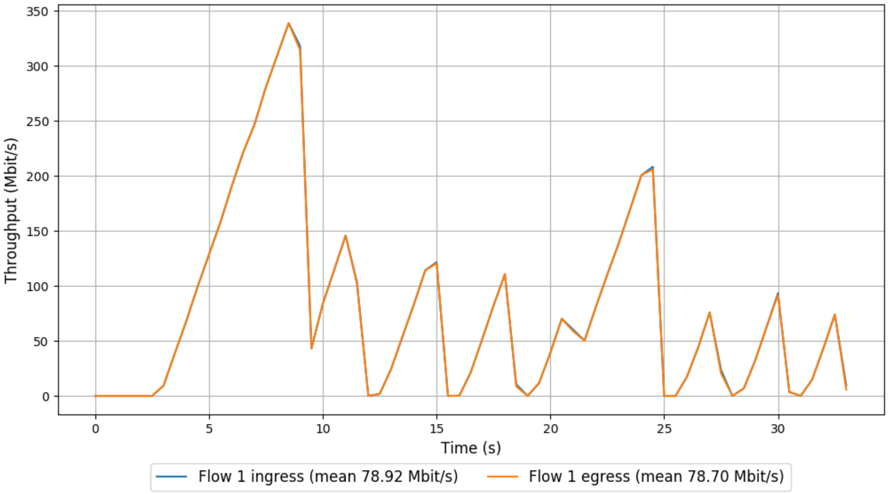
Run 10: Report of KohoCC — Data Link

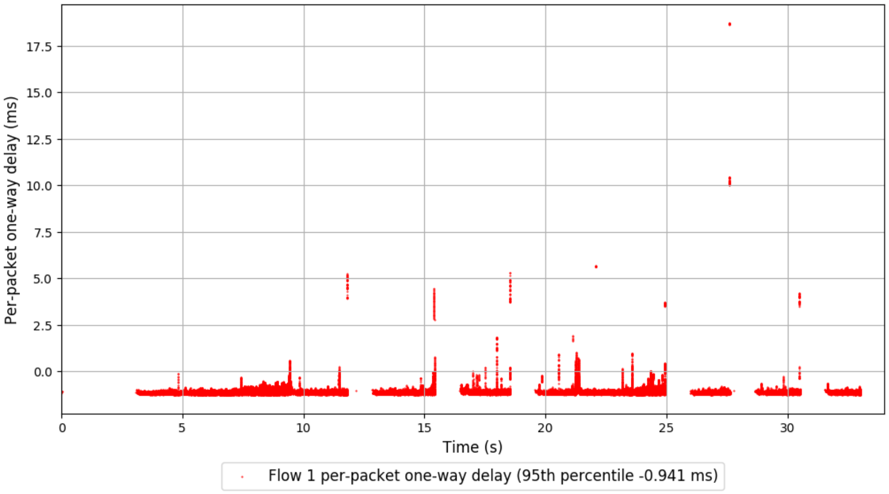




```
Run 1: Statistics of LEDBAT

Start at: Thu, 29 Jun 2017 22:13:22 +0000
End at: Thu, 29 Jun 2017 22:13:52 +0000
Local clock offset: -0.326 ms
Remote clock offset: -2.553 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:15:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.70 Mbit/s
95th percentile per-packet one-way delay: -0.941 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 78.70 Mbit/s
95th percentile per-packet one-way delay: -0.941 ms
Loss rate: 0.34%
```

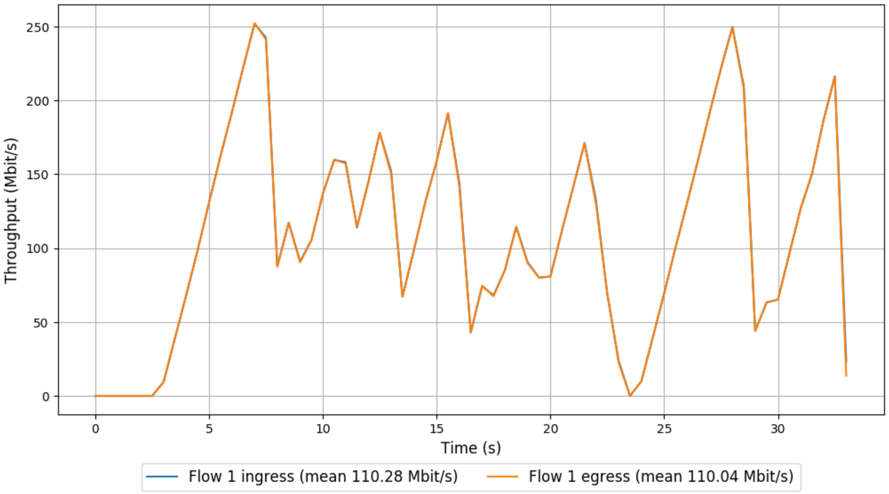
Run 1: Report of LEDBAT — Data Link

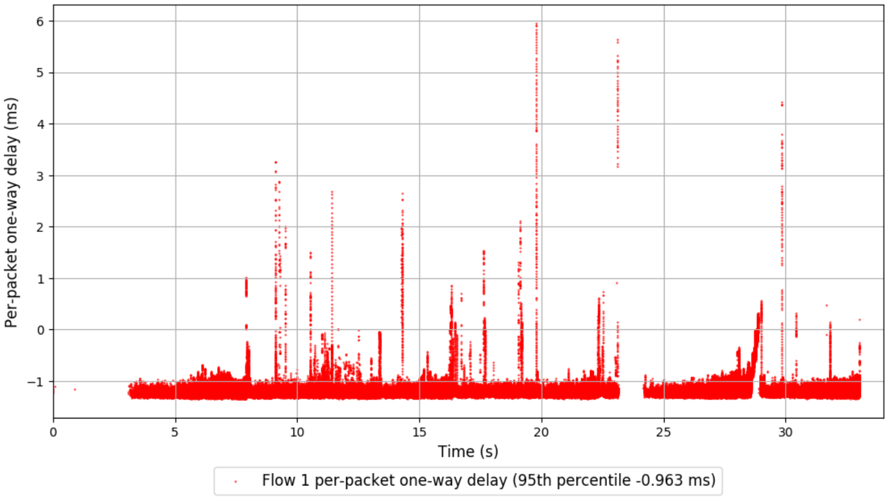




```
Run 2: Statistics of LEDBAT

Start at: Thu, 29 Jun 2017 22:32:53 +0000
End at: Thu, 29 Jun 2017 22:33:23 +0000
Local clock offset: -0.388 ms
Remote clock offset: -2.655 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:15:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.04 Mbit/s
95th percentile per-packet one-way delay: -0.963 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 110.04 Mbit/s
95th percentile per-packet one-way delay: -0.963 ms
Loss rate: 0.27%
```

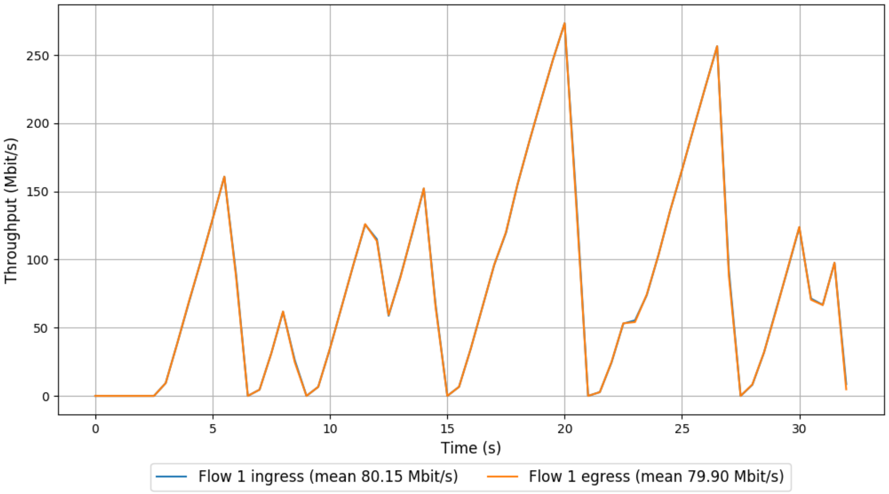
Run 2: Report of LEDBAT — Data Link

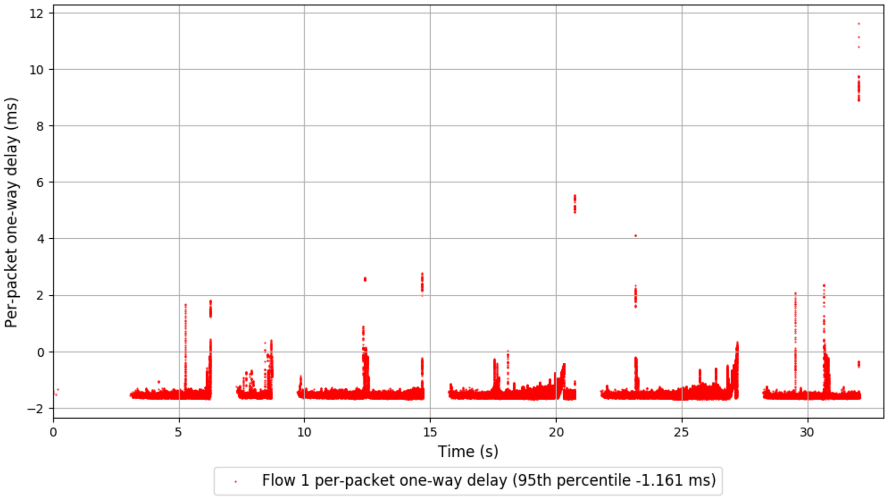




```
Run 3: Statistics of LEDBAT

Start at: Thu, 29 Jun 2017 22:52:21 +0000
End at: Thu, 29 Jun 2017 22:52:51 +0000
Local clock offset: -0.488 ms
Remote clock offset: -3.18 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:15:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.90 Mbit/s
95th percentile per-packet one-way delay: -1.161 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 79.90 Mbit/s
95th percentile per-packet one-way delay: -1.161 ms
Loss rate: 0.32%
```

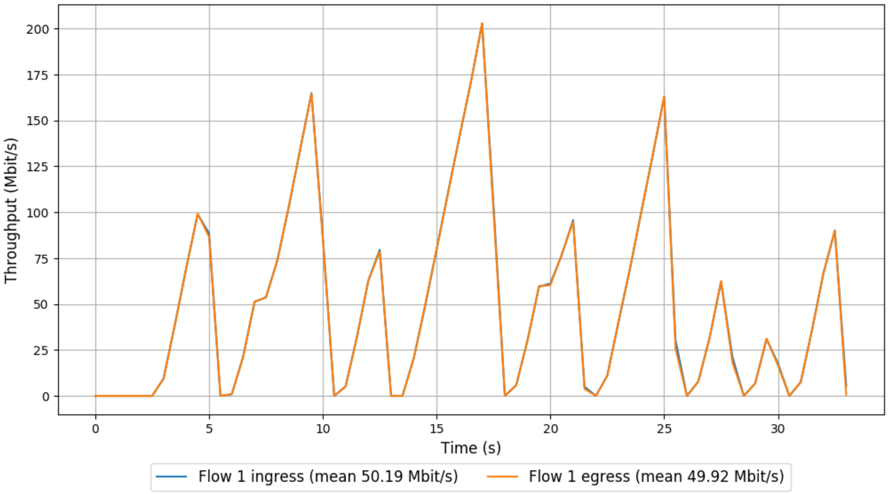
Run 3: Report of LEDBAT — Data Link

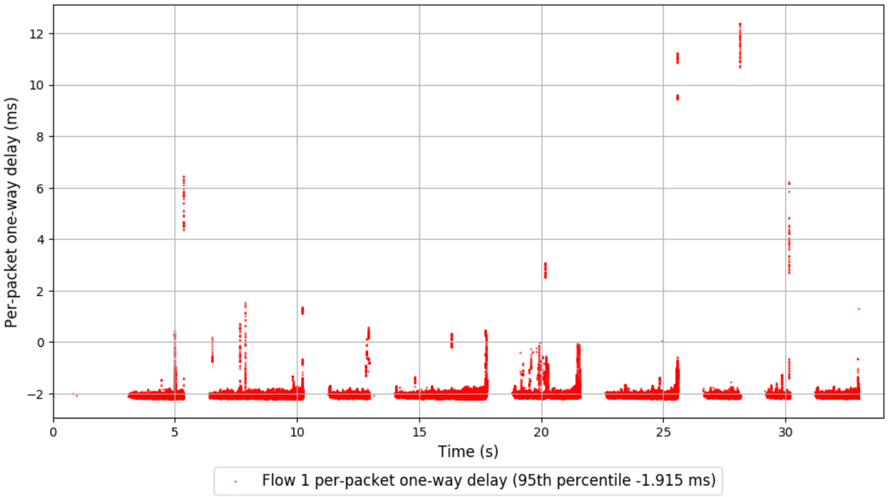




```
Run 4: Statistics of LEDBAT

Start at: Thu, 29 Jun 2017 23:12:05 +0000
End at: Thu, 29 Jun 2017 23:12:35 +0000
Local clock offset: -0.565 ms
Remote clock offset: -3.807 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:15:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: -1.915 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: -1.915 ms
Loss rate: 0.60%
```

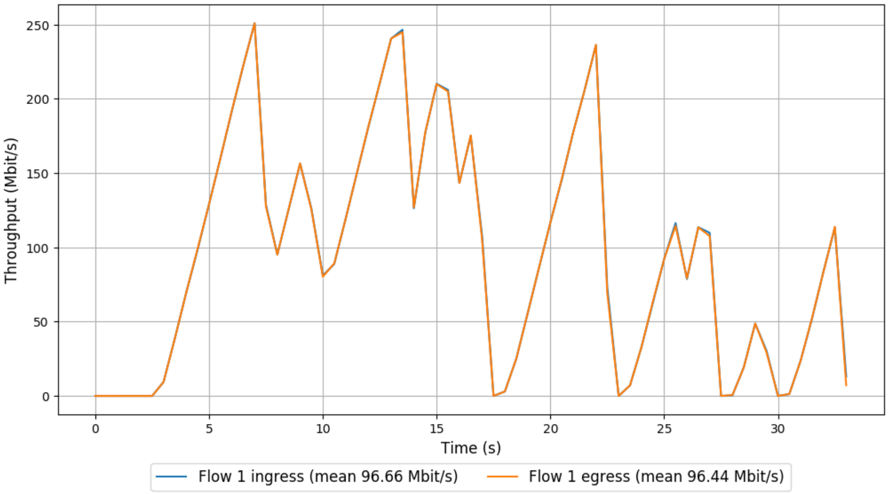
Run 4: Report of LEDBAT — Data Link

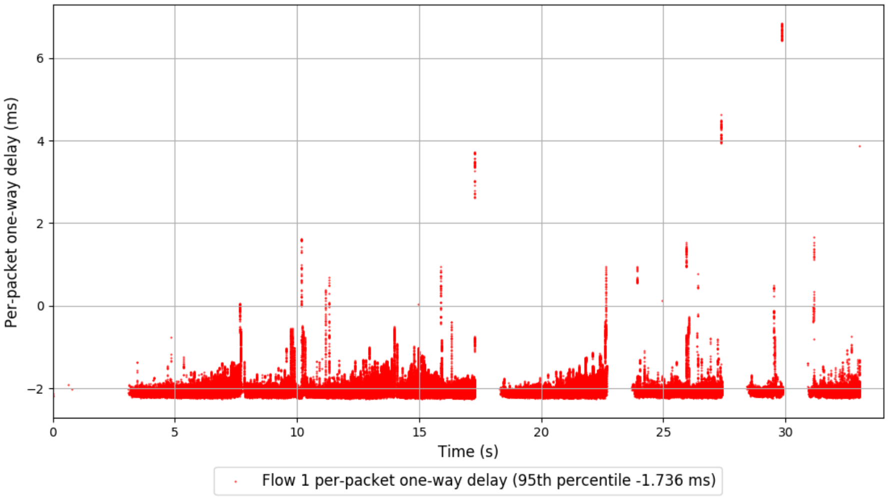




```
Run 5: Statistics of LEDBAT

Start at: Thu, 29 Jun 2017 23:31:31 +0000
End at: Thu, 29 Jun 2017 23:32:01 +0000
Local clock offset: -0.507 ms
Remote clock offset: -3.705 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:15:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: -1.736 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.44 Mbit/s
95th percentile per-packet one-way delay: -1.736 ms
Loss rate: 0.27%
```

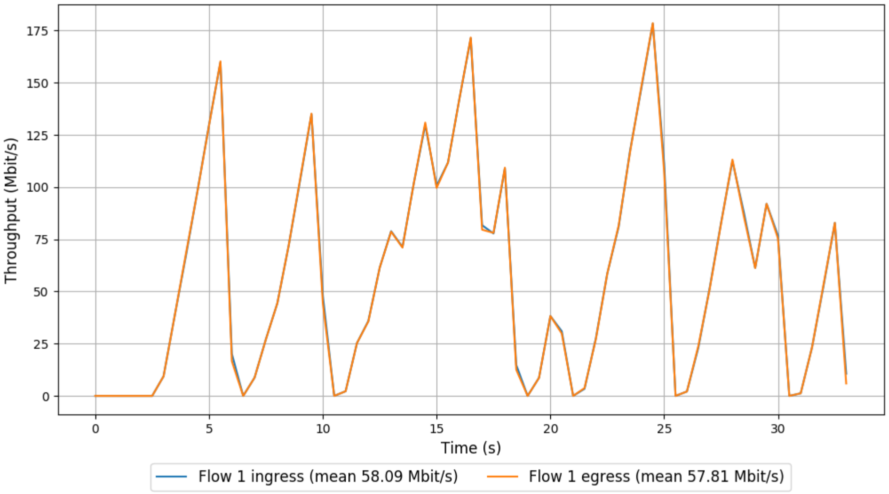
Run 5: Report of LEDBAT — Data Link

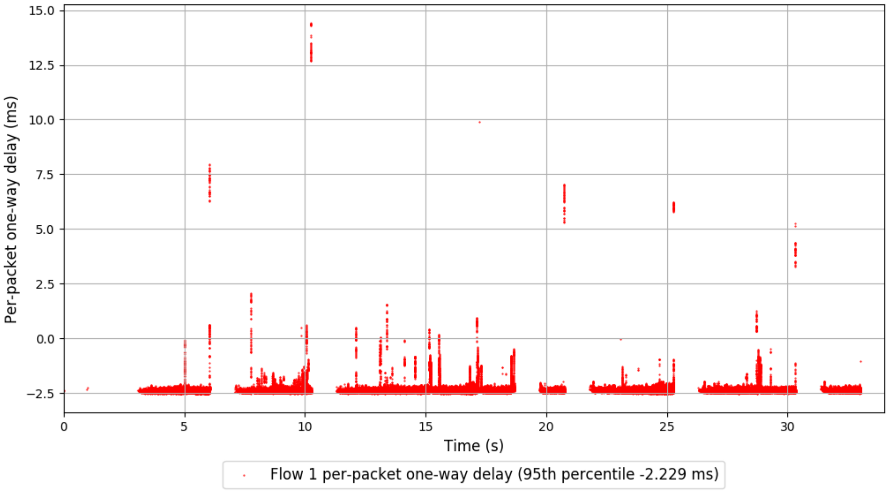




```
Run 6: Statistics of LEDBAT

Start at: Thu, 29 Jun 2017 23:50:55 +0000
End at: Thu, 29 Jun 2017 23:51:25 +0000
Local clock offset: -0.548 ms
Remote clock offset: -4.027 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:15:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: -2.229 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 57.81 Mbit/s
95th percentile per-packet one-way delay: -2.229 ms
Loss rate: 0.53%
```

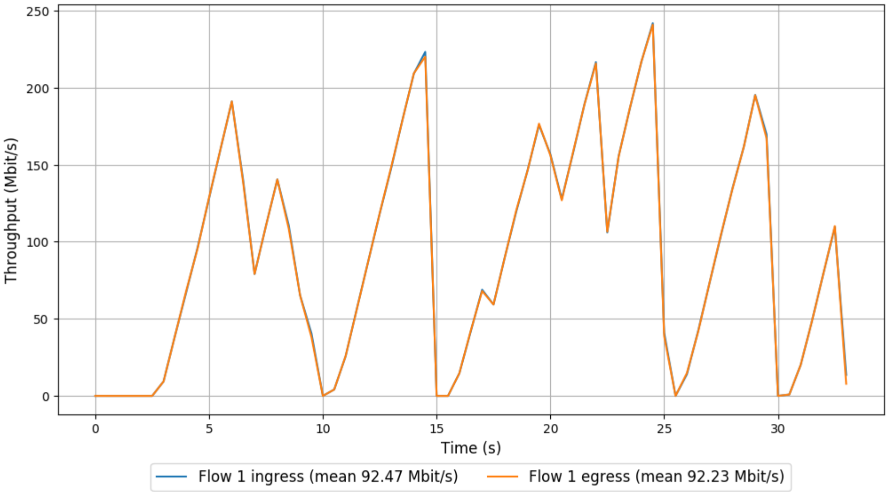
Run 6: Report of LEDBAT — Data Link

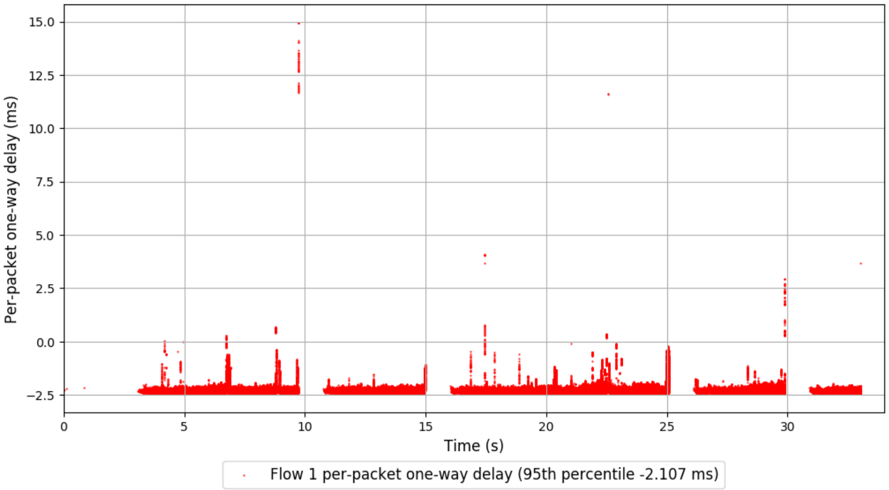




```
Run 7: Statistics of LEDBAT

Start at: Fri, 30 Jun 2017 00:10:28 +0000
End at: Fri, 30 Jun 2017 00:10:58 +0000
Local clock offset: -0.665 ms
Remote clock offset: -4.143 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:15:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: -2.107 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: -2.107 ms
Loss rate: 0.29%
```

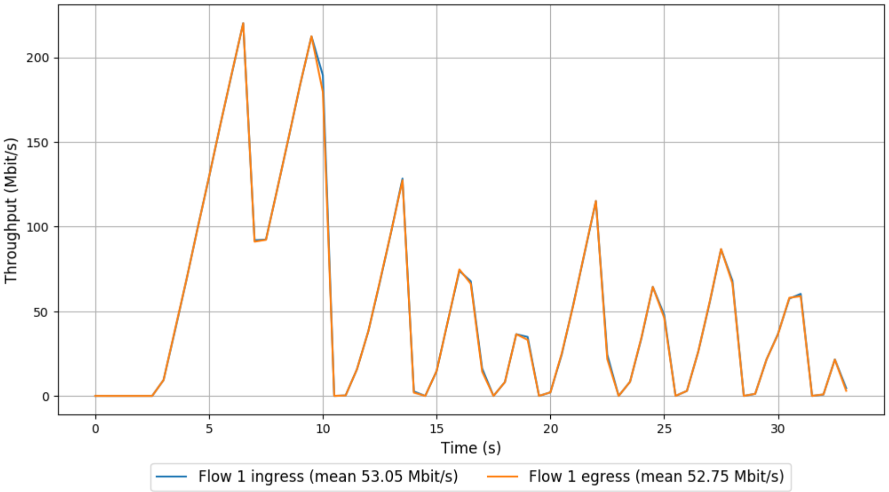
Run 7: Report of LEDBAT — Data Link

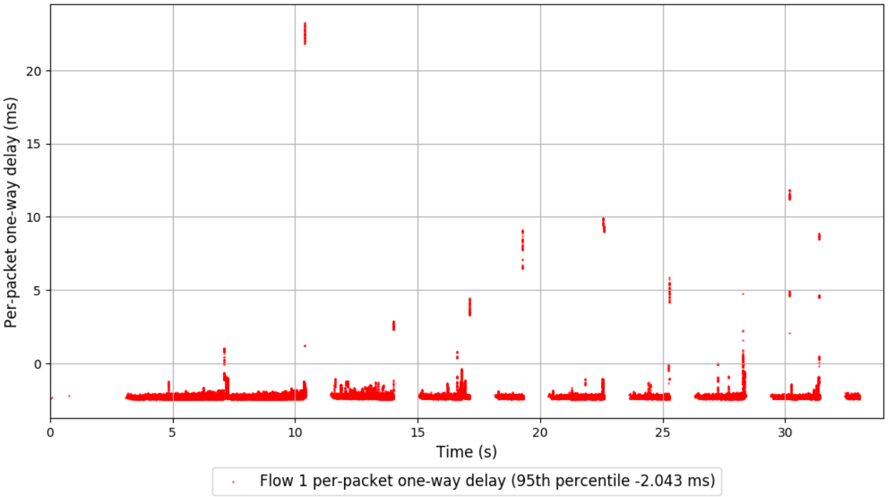




```
Run 8: Statistics of LEDBAT

Start at: Fri, 30 Jun 2017 00:29:52 +0000
End at: Fri, 30 Jun 2017 00:30:22 +0000
Local clock offset: -0.783 ms
Remote clock offset: -4.279 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:15:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.75 Mbit/s
95th percentile per-packet one-way delay: -2.043 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 52.75 Mbit/s
95th percentile per-packet one-way delay: -2.043 ms
Loss rate: 0.62%
```

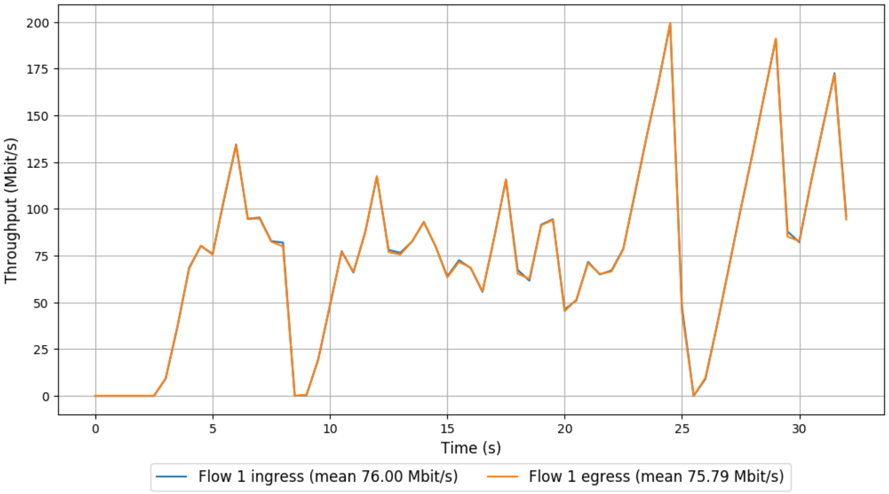
Run 8: Report of LEDBAT — Data Link

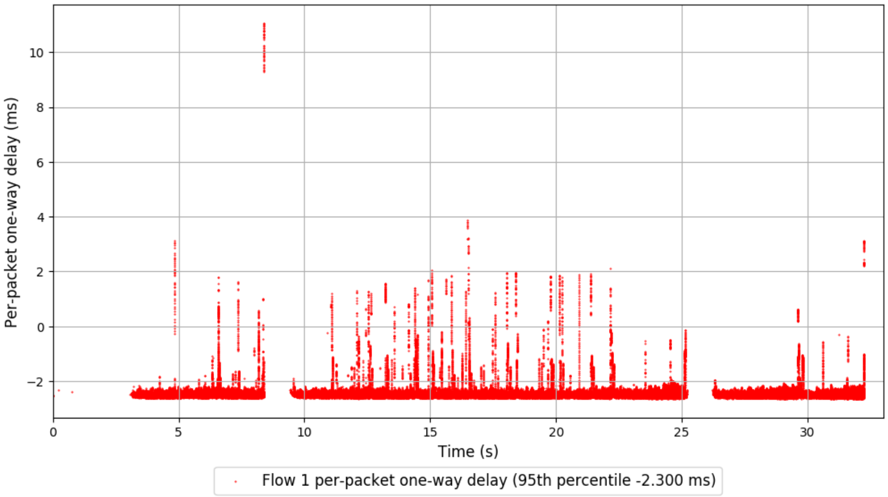




```
Run 9: Statistics of LEDBAT

Start at: Fri, 30 Jun 2017 00:49:11 +0000
End at: Fri, 30 Jun 2017 00:49:41 +0000
Local clock offset: -0.802 ms
Remote clock offset: -4.402 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:15:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: -2.300 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: -2.300 ms
Loss rate: 0.28%
```

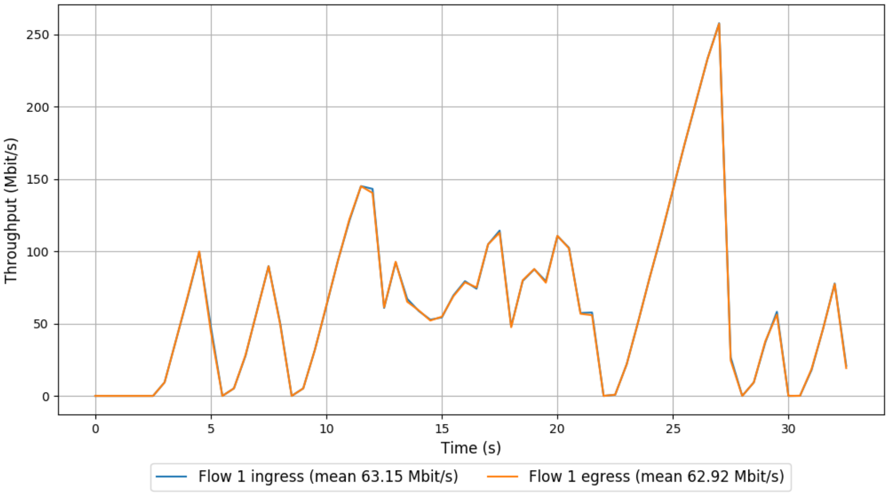
Run 9: Report of LEDBAT — Data Link

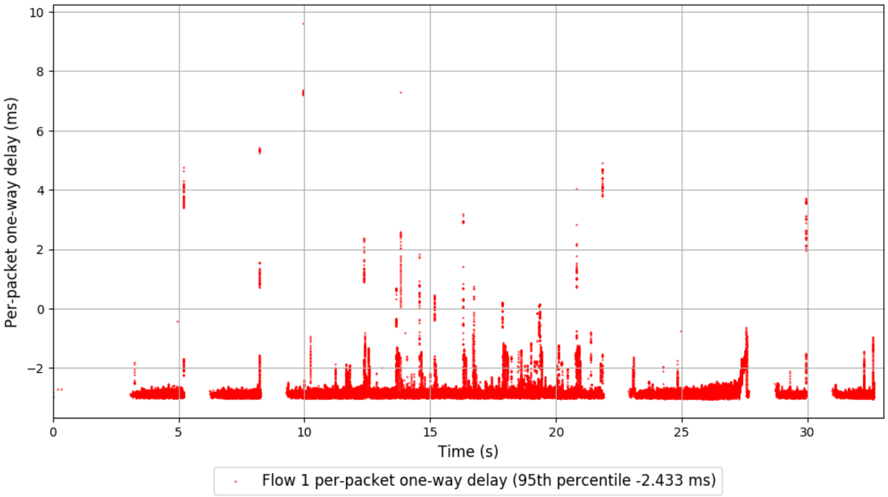




```
Run 10: Statistics of LEDBAT

Start at: Fri, 30 Jun 2017 01:08:46 +0000
End at: Fri, 30 Jun 2017 01:09:16 +0000
Local clock offset: -0.483 ms
Remote clock offset: -4.503 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:15:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: -2.433 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 62.92 Mbit/s
95th percentile per-packet one-way delay: -2.433 ms
Loss rate: 0.36%
```

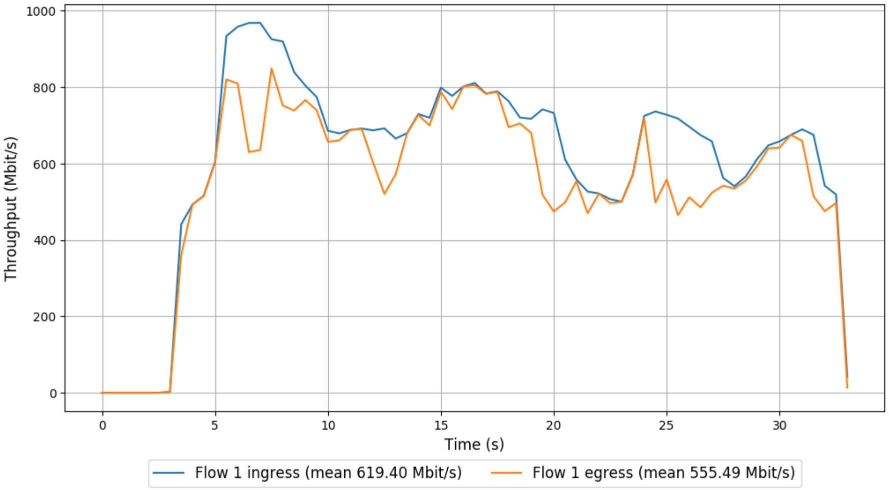
Run 10: Report of LEDBAT — Data Link

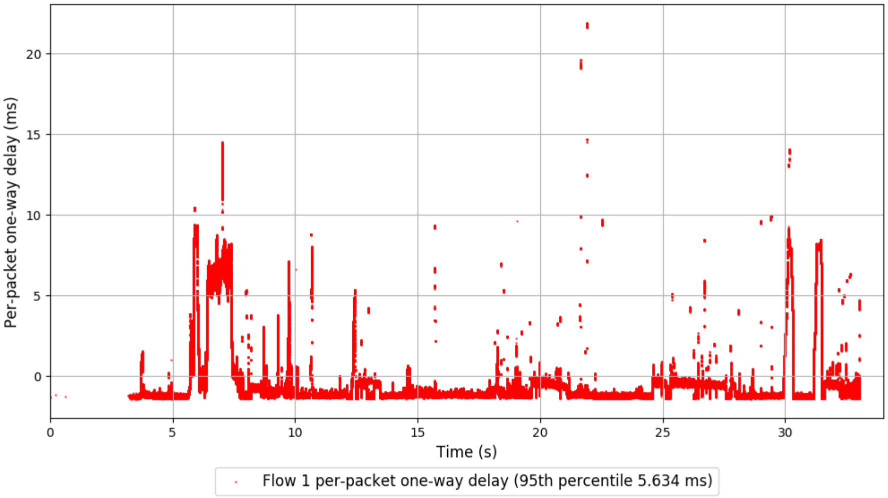




```
Run 1: Statistics of PCC

Start at: Thu, 29 Jun 2017 22:26:05 +0000
End at: Thu, 29 Jun 2017 22:26:35 +0000
Local clock offset: -0.242 ms
Remote clock offset: -2.696 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:17:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 555.49 Mbit/s
95th percentile per-packet one-way delay: 5.634 ms
Loss rate: 10.38%
-- Flow 1:
Average throughput: 555.49 Mbit/s
95th percentile per-packet one-way delay: 5.634 ms
Loss rate: 10.38%
```

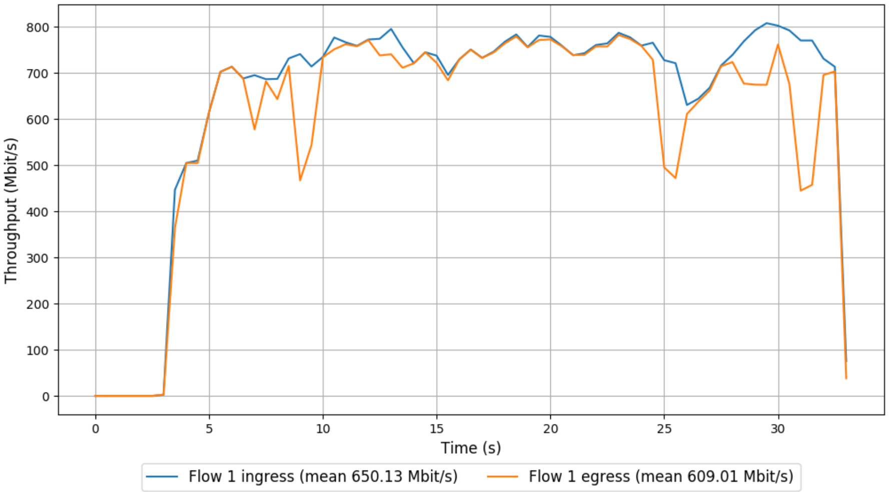
Run 1: Report of PCC — Data Link

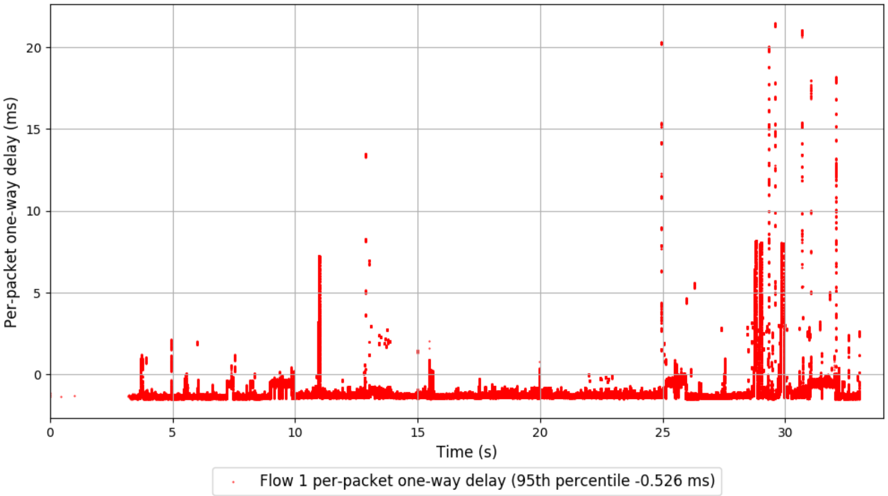




```
Run 2: Statistics of PCC

Start at: Thu, 29 Jun 2017 22:45:28 +0000
End at: Thu, 29 Jun 2017 22:45:58 +0000
Local clock offset: -0.524 ms
Remote clock offset: -3.01 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:17:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 609.01 Mbit/s
95th percentile per-packet one-way delay: -0.526 ms
Loss rate: 6.38%
-- Flow 1:
Average throughput: 609.01 Mbit/s
95th percentile per-packet one-way delay: -0.526 ms
Loss rate: 6.38%
```

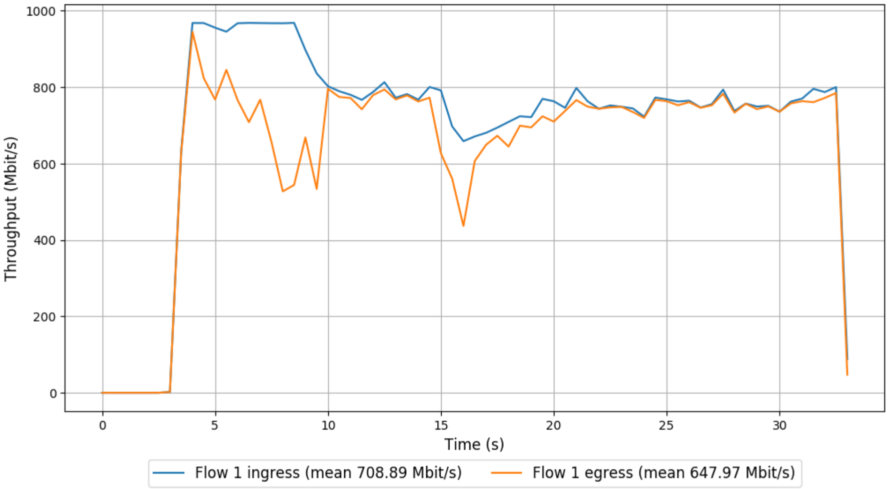
Run 2: Report of PCC — Data Link

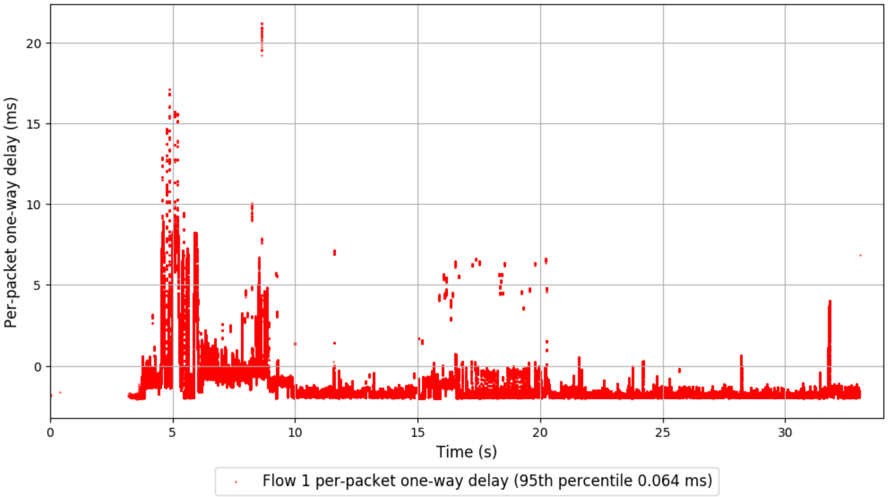




```
Run 3: Statistics of PCC

Start at: Thu, 29 Jun 2017 23:05:12 +0000
End at: Thu, 29 Jun 2017 23:05:42 +0000
Local clock offset: -0.64 ms
Remote clock offset: -3.587 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:19:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 647.97 Mbit/s
95th percentile per-packet one-way delay: 0.064 ms
Loss rate: 8.64%
-- Flow 1:
Average throughput: 647.97 Mbit/s
95th percentile per-packet one-way delay: 0.064 ms
Loss rate: 8.64%
```

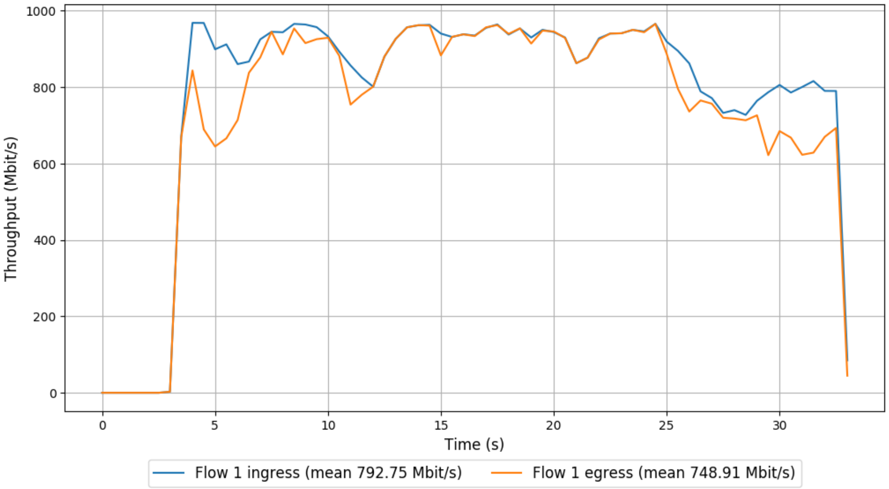
Run 3: Report of PCC — Data Link

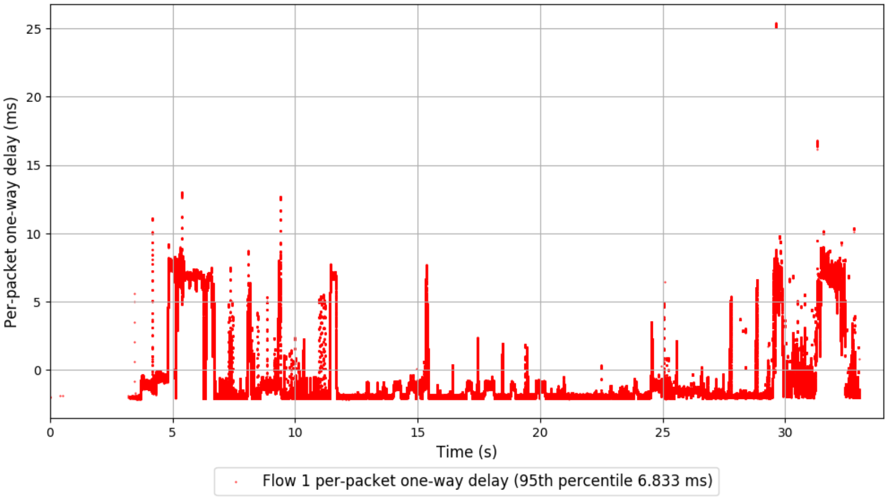




```
Run 4: Statistics of PCC

Start at: Thu, 29 Jun 2017 23:24:33 +0000
End at: Thu, 29 Jun 2017 23:25:03 +0000
Local clock offset: -0.61 ms
Remote clock offset: -3.67 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:19:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 748.91 Mbit/s
95th percentile per-packet one-way delay: 6.833 ms
Loss rate: 5.59%
-- Flow 1:
Average throughput: 748.91 Mbit/s
95th percentile per-packet one-way delay: 6.833 ms
Loss rate: 5.59%
```

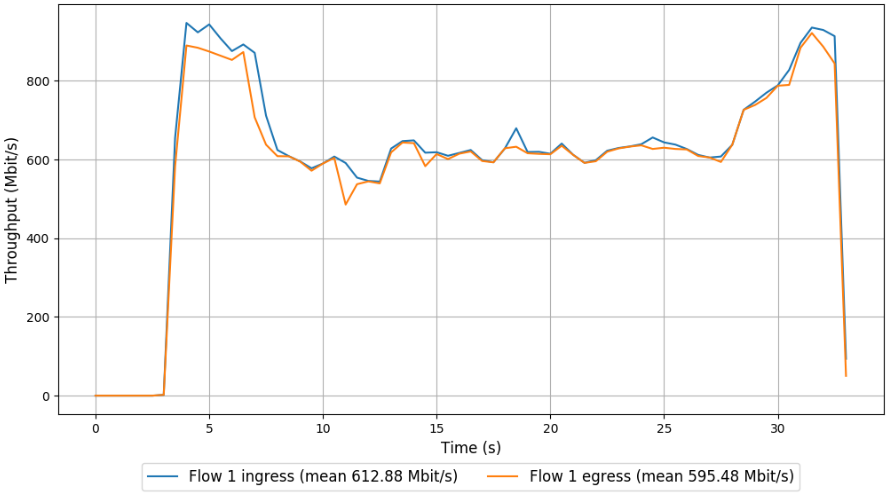
Run 4: Report of PCC — Data Link

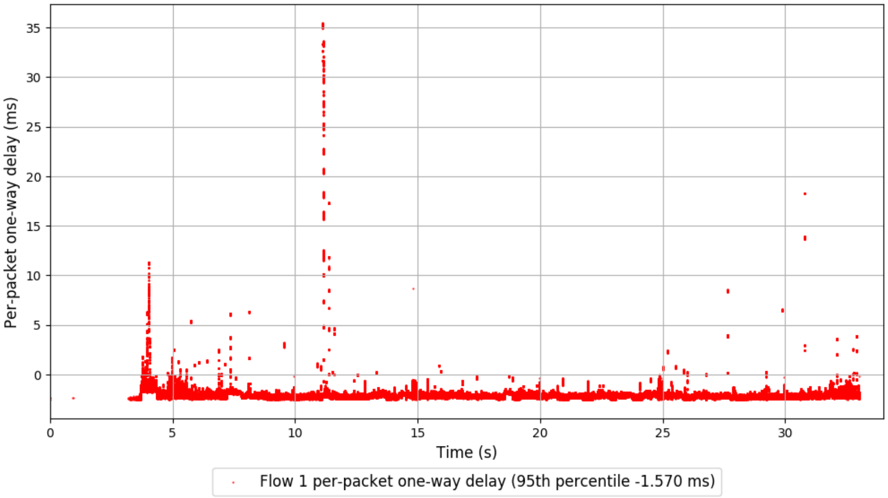




```
Run 5: Statistics of PCC

Start at: Thu, 29 Jun 2017 23:44:03 +0000
End at: Thu, 29 Jun 2017 23:44:34 +0000
Local clock offset: -0.52 ms
Remote clock offset: -4.007 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:20:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 595.48 Mbit/s
95th percentile per-packet one-way delay: -1.570 ms
Loss rate: 2.90%
-- Flow 1:
Average throughput: 595.48 Mbit/s
95th percentile per-packet one-way delay: -1.570 ms
Loss rate: 2.90%
```

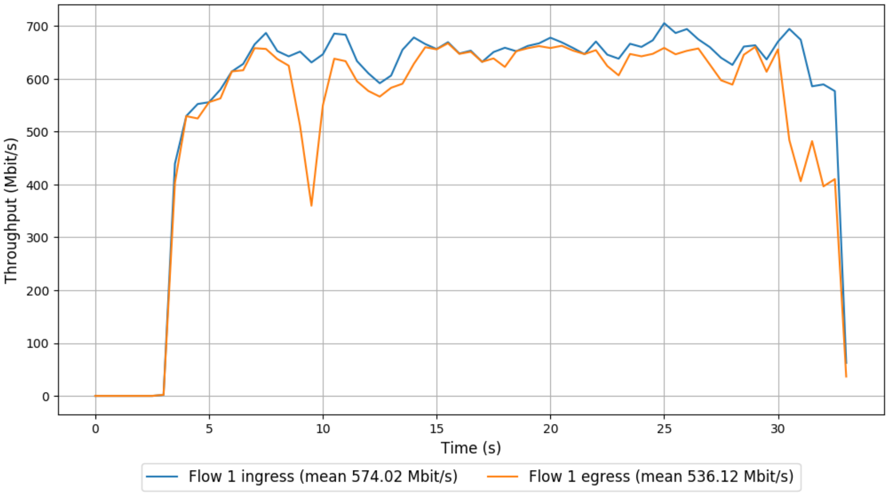
Run 5: Report of PCC — Data Link

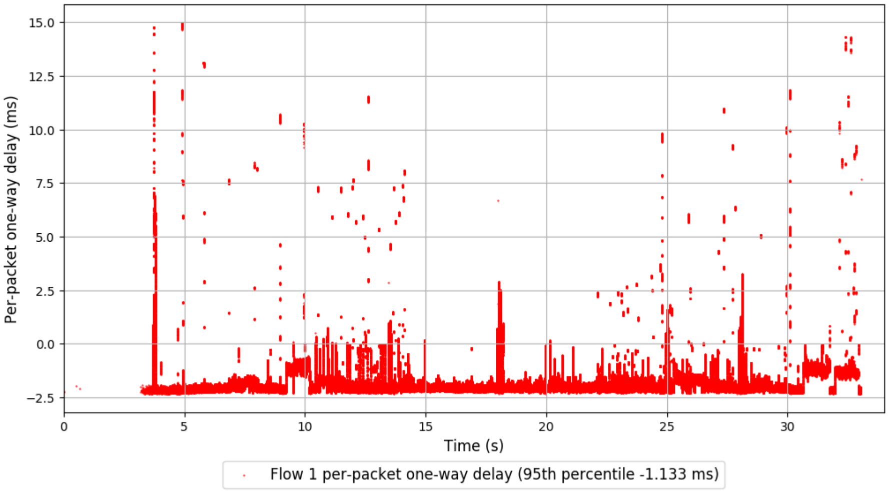




```
Run 6: Statistics of PCC

Start at: Fri, 30 Jun 2017 00:03:40 +0000
End at: Fri, 30 Jun 2017 00:04:10 +0000
Local clock offset: -0.606 ms
Remote clock offset: -3.968 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:20:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 536.12 Mbit/s
95th percentile per-packet one-way delay: -1.133 ms
Loss rate: 6.63%
-- Flow 1:
Average throughput: 536.12 Mbit/s
95th percentile per-packet one-way delay: -1.133 ms
Loss rate: 6.63%
```

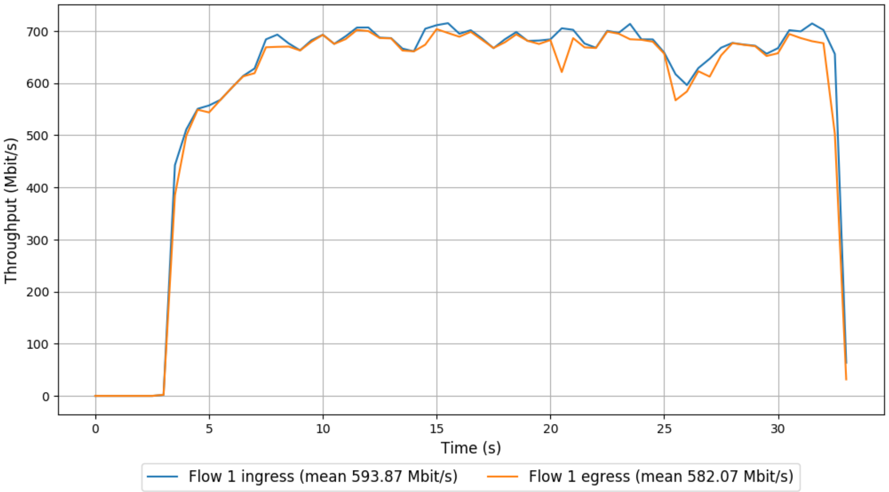
Run 6: Report of PCC — Data Link

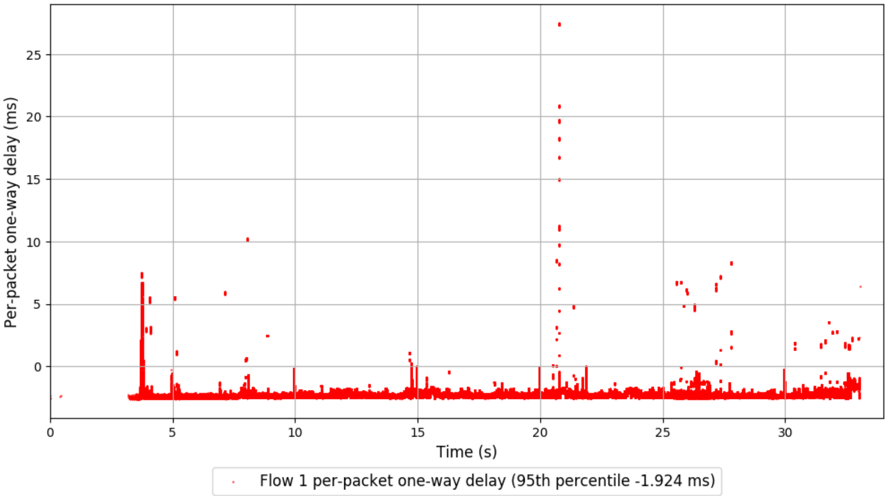




```
Run 7: Statistics of PCC

Start at: Fri, 30 Jun 2017 00:23:02 +0000
End at: Fri, 30 Jun 2017 00:23:32 +0000
Local clock offset: -0.865 ms
Remote clock offset: -4.421 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:21:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 582.07 Mbit/s
95th percentile per-packet one-way delay: -1.924 ms
Loss rate: 2.03%
-- Flow 1:
Average throughput: 582.07 Mbit/s
95th percentile per-packet one-way delay: -1.924 ms
Loss rate: 2.03%
```

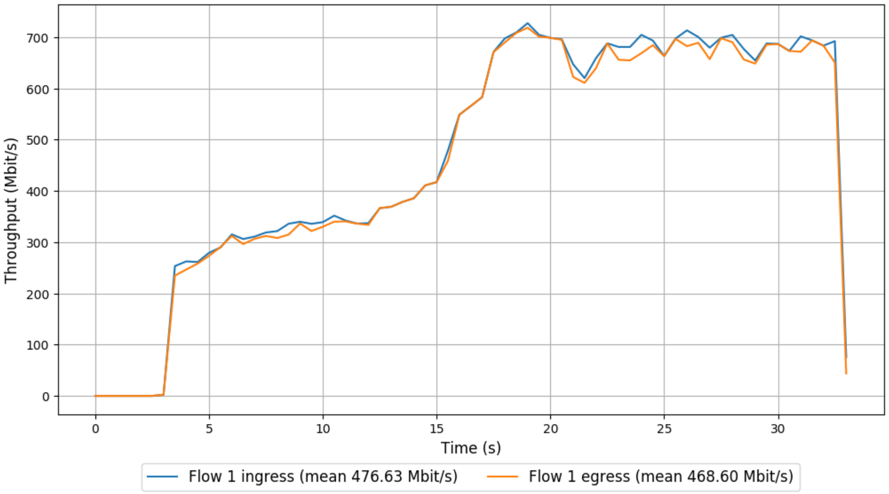
Run 7: Report of PCC — Data Link

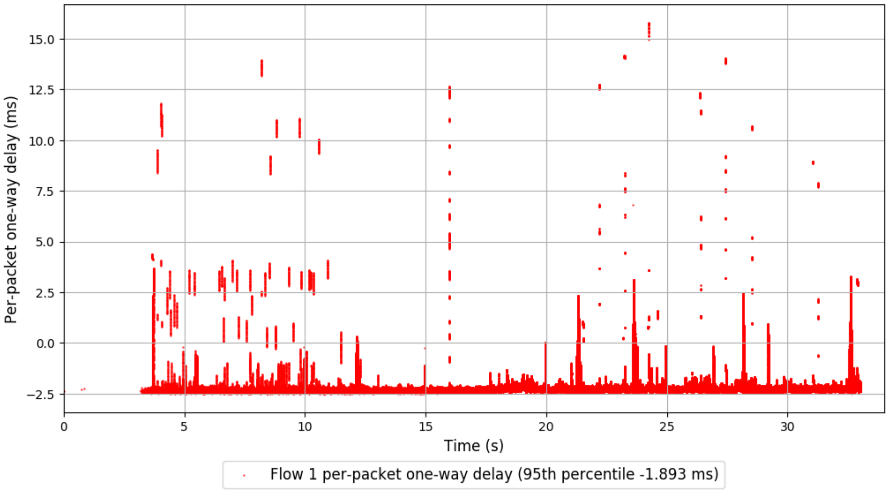




```
Run 8: Statistics of PCC

Start at: Fri, 30 Jun 2017 00:42:21 +0000
End at: Fri, 30 Jun 2017 00:42:51 +0000
Local clock offset: -0.727 ms
Remote clock offset: -4.263 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:21:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 468.60 Mbit/s
95th percentile per-packet one-way delay: -1.893 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 468.60 Mbit/s
95th percentile per-packet one-way delay: -1.893 ms
Loss rate: 1.74%
```

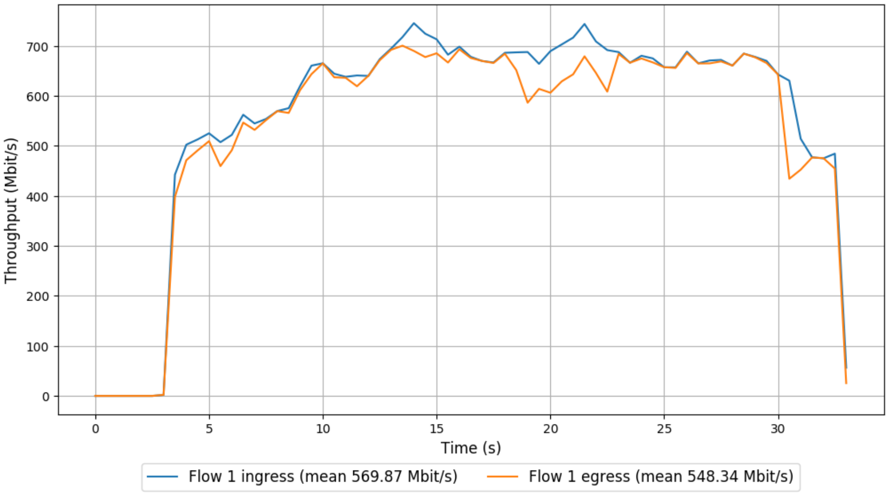
Run 8: Report of PCC — Data Link

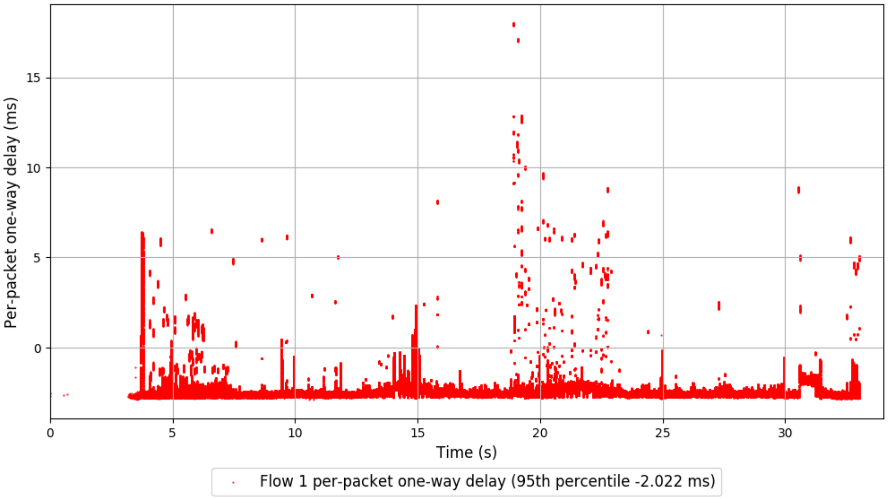




```
Run 9: Statistics of PCC

Start at: Fri, 30 Jun 2017 01:01:58 +0000
End at: Fri, 30 Jun 2017 01:02:28 +0000
Local clock offset: -0.576 ms
Remote clock offset: -4.446 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:22:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 548.34 Mbit/s
95th percentile per-packet one-way delay: -2.022 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 548.34 Mbit/s
95th percentile per-packet one-way delay: -2.022 ms
Loss rate: 3.84%
```

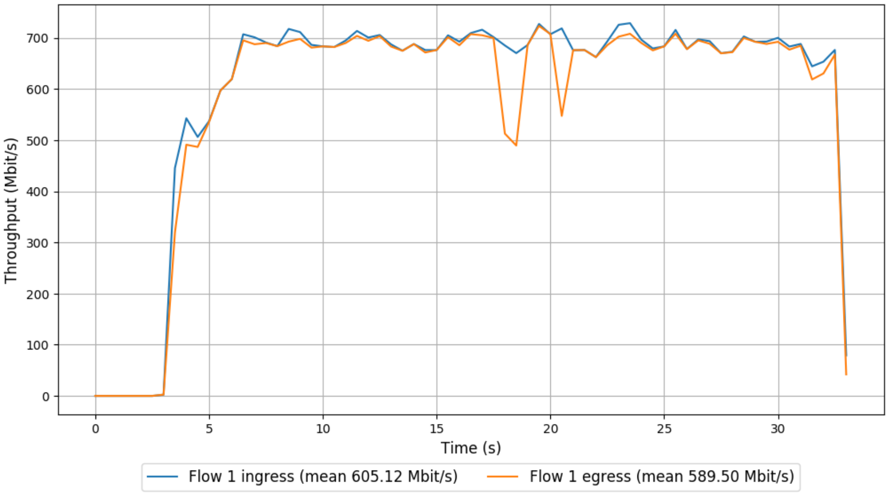
Run 9: Report of PCC — Data Link

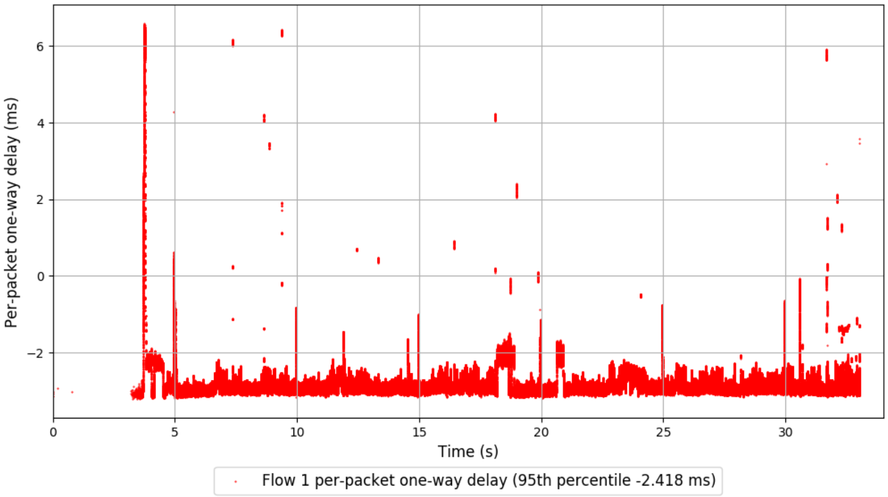




```
Run 10: Statistics of PCC

Start at: Fri, 30 Jun 2017 01:21:31 +0000
End at: Fri, 30 Jun 2017 01:22:01 +0000
Local clock offset: -0.274 ms
Remote clock offset: -4.527 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:23:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 589.50 Mbit/s
95th percentile per-packet one-way delay: -2.418 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 589.50 Mbit/s
95th percentile per-packet one-way delay: -2.418 ms
Loss rate: 2.63%
```

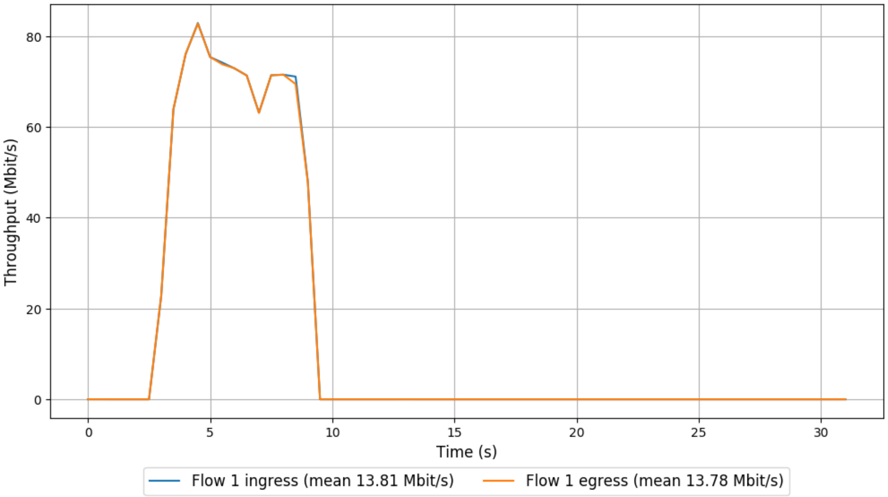
Run 10: Report of PCC — Data Link

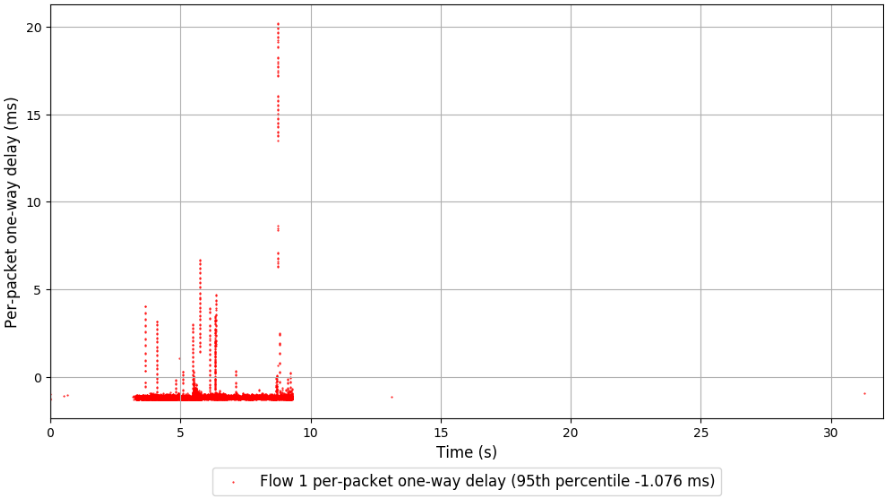




```
Run 1: Statistics of QUIC Cubic (toy)

Start at: Thu, 29 Jun 2017 22:10:46 +0000
End at: Thu, 29 Jun 2017 22:11:16 +0000
Local clock offset: -0.215 ms
Remote clock offset: -2.499 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:23:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: -1.076 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: -1.076 ms
Loss rate: 0.24%
```

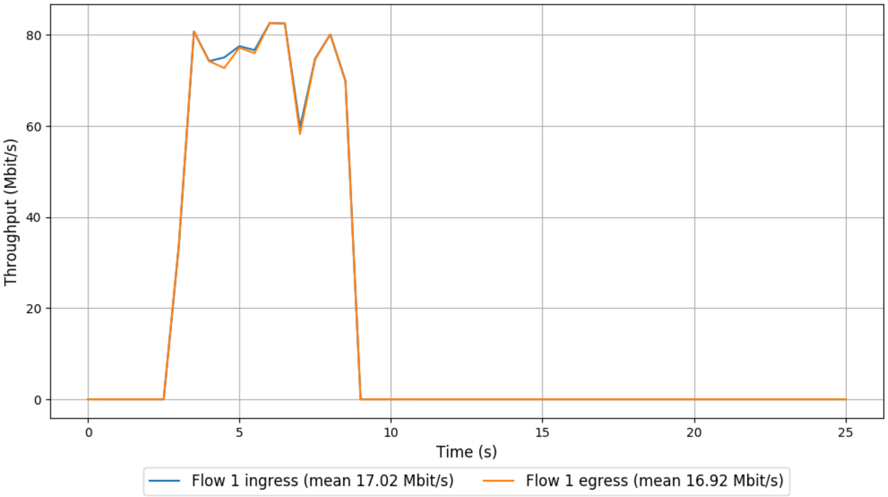
Run 1: Report of QUIC Cubic (toy) — Data Link

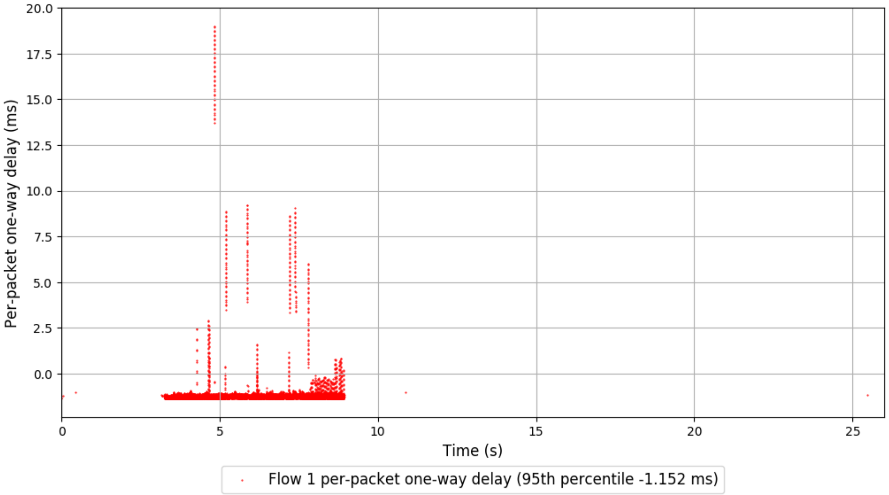




```
Run 2: Statistics of QUIC Cubic (toy)

Start at: Thu, 29 Jun 2017 22:30:17 +0000
End at: Thu, 29 Jun 2017 22:30:47 +0000
Local clock offset: -0.315 ms
Remote clock offset: -2.664 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:23:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.92 Mbit/s
95th percentile per-packet one-way delay: -1.152 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 16.92 Mbit/s
95th percentile per-packet one-way delay: -1.152 ms
Loss rate: 0.57%
```

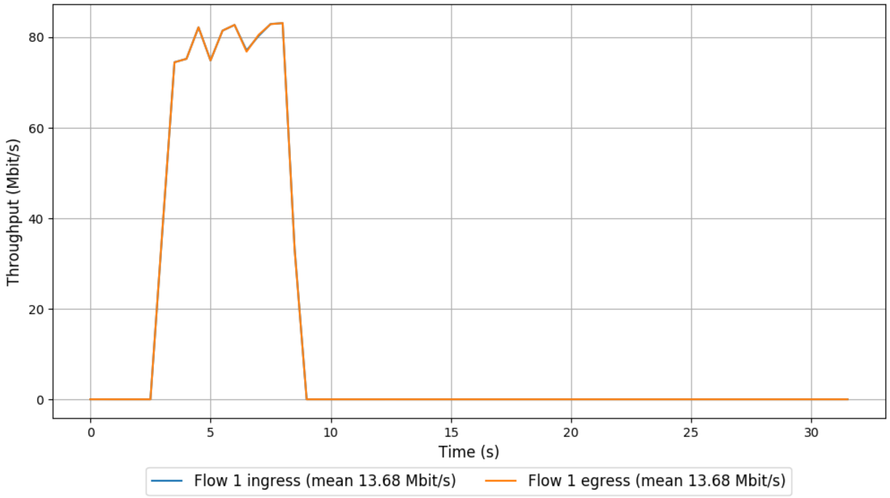
Run 2: Report of QUIC Cubic (toy) — Data Link

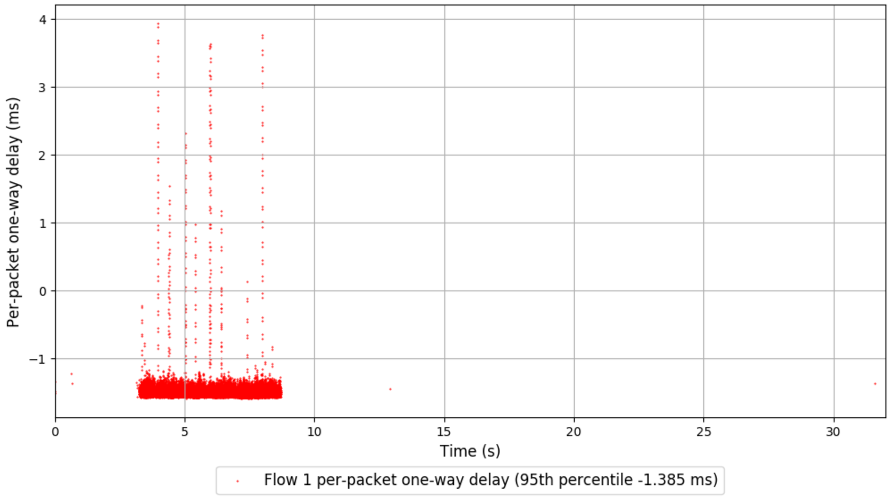




```
Run 3: Statistics of QUIC Cubic (toy)

Start at: Thu, 29 Jun 2017 22:49:43 +0000
End at: Thu, 29 Jun 2017 22:50:13 +0000
Local clock offset: -0.461 ms
Remote clock offset: -3.124 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:23:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: -1.385 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: -1.385 ms
Loss rate: 0.00%
```

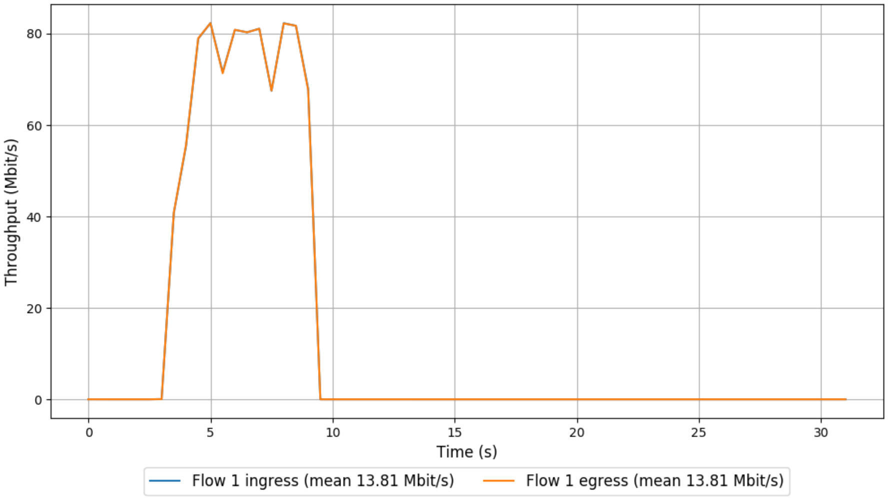
Run 3: Report of QUIC Cubic (toy) — Data Link

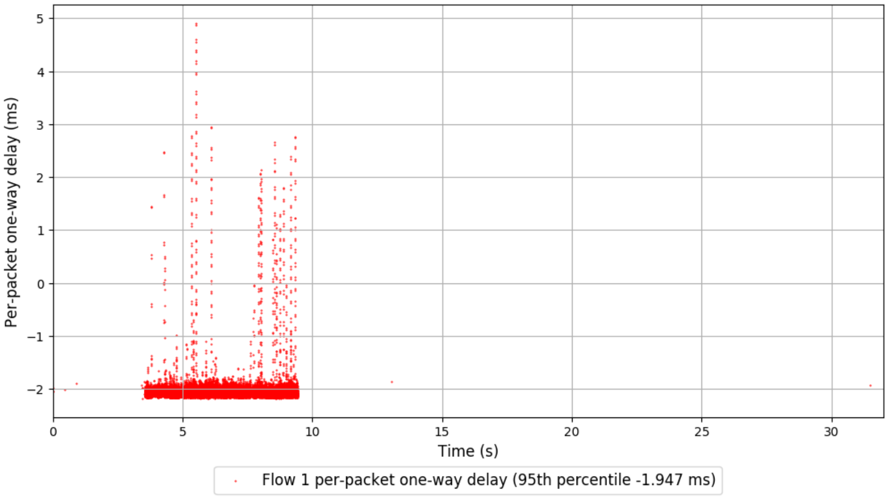




```
Run 4: Statistics of QUIC Cubic (toy)

Start at: Thu, 29 Jun 2017 23:09:27 +0000
End at: Thu, 29 Jun 2017 23:09:57 +0000
Local clock offset: -0.54 ms
Remote clock offset: -3.7 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:23:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.81 Mbit/s
95th percentile per-packet one-way delay: -1.947 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 13.81 Mbit/s
95th percentile per-packet one-way delay: -1.947 ms
Loss rate: 0.02%
```

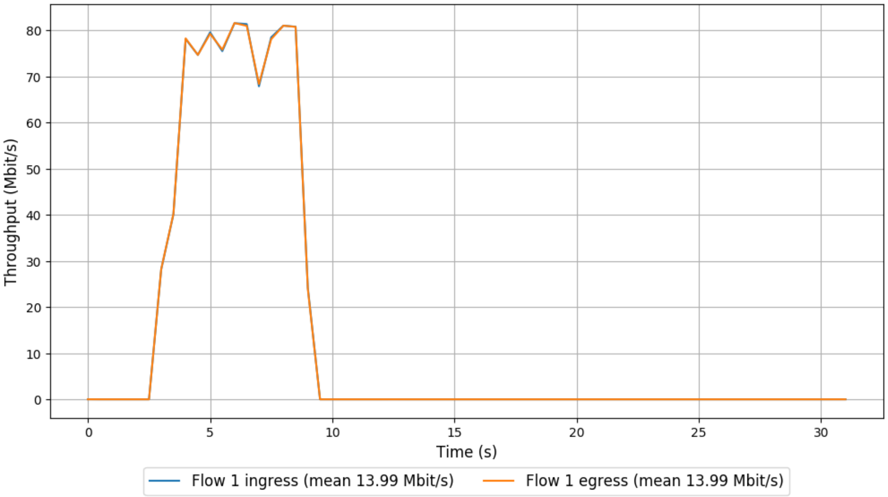
Run 4: Report of QUIC Cubic (toy) — Data Link

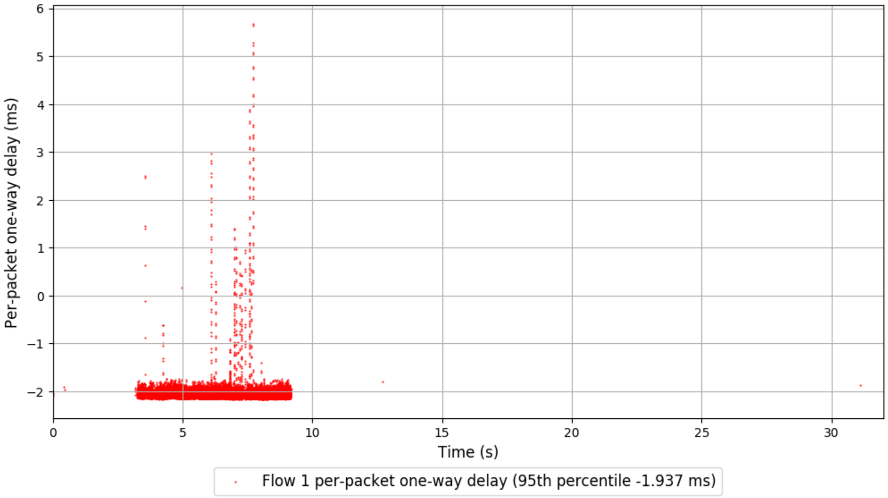




```
Run 5: Statistics of QUIC Cubic (toy)

Start at: Thu, 29 Jun 2017 23:28:52 +0000
End at: Thu, 29 Jun 2017 23:29:22 +0000
Local clock offset: -0.605 ms
Remote clock offset: -3.71 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:23:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.99 Mbit/s
95th percentile per-packet one-way delay: -1.937 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 13.99 Mbit/s
95th percentile per-packet one-way delay: -1.937 ms
Loss rate: 0.03%
```

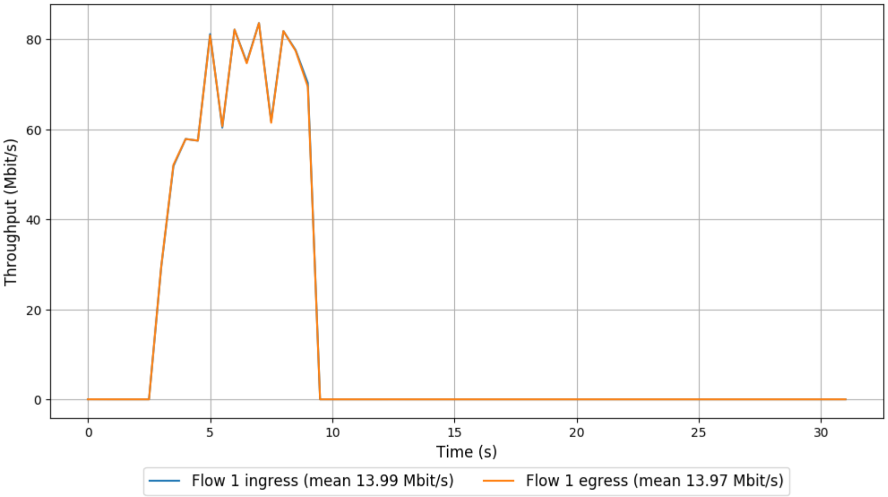
Run 5: Report of QUIC Cubic (toy) — Data Link

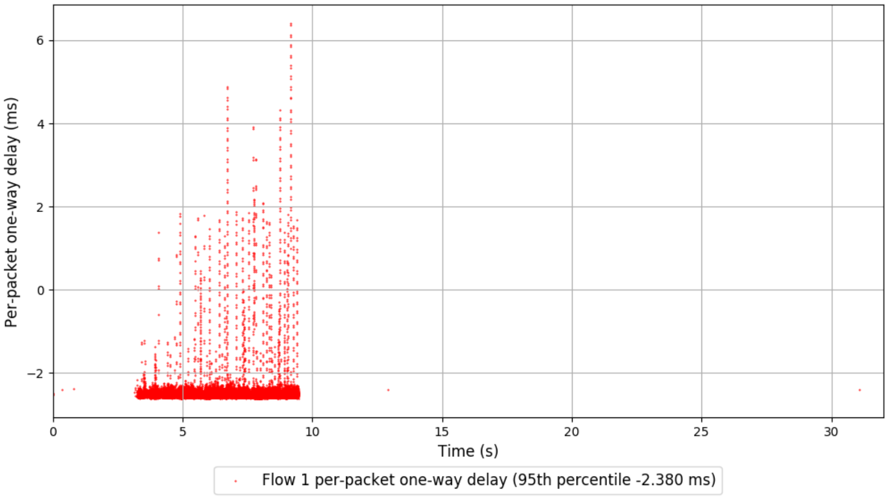




```
Run 6: Statistics of QUIC Cubic (toy)

Start at: Thu, 29 Jun 2017 23:48:16 +0000
End at: Thu, 29 Jun 2017 23:48:46 +0000
Local clock offset: -0.588 ms
Remote clock offset: -4.186 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:23:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.97 Mbit/s
95th percentile per-packet one-way delay: -2.380 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 13.97 Mbit/s
95th percentile per-packet one-way delay: -2.380 ms
Loss rate: 0.14%
```

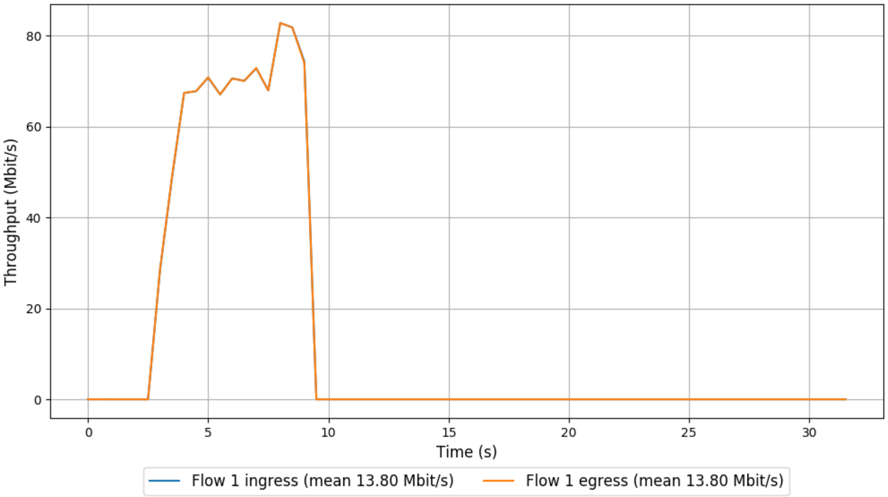
Run 6: Report of QUIC Cubic (toy) — Data Link

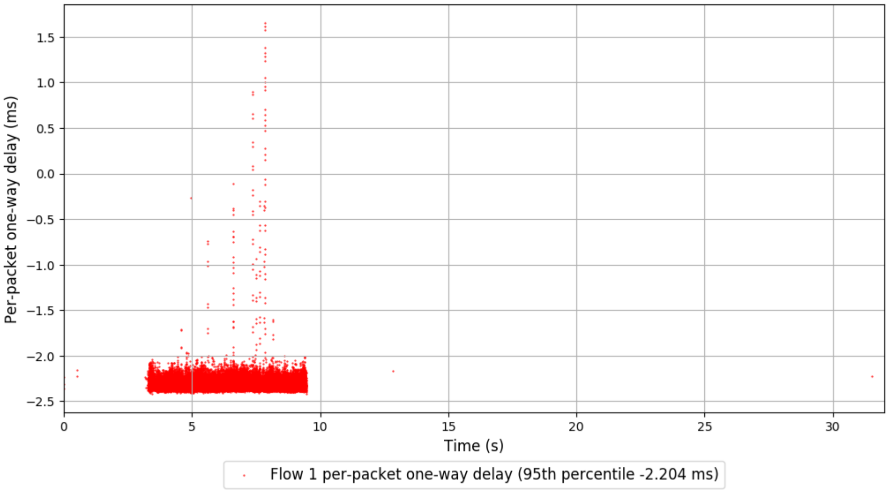




```
Run 7: Statistics of QUIC Cubic (toy)

Start at: Fri, 30 Jun 2017 00:07:51 +0000
End at: Fri, 30 Jun 2017 00:08:21 +0000
Local clock offset: -0.624 ms
Remote clock offset: -3.972 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:23:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.80 Mbit/s
95th percentile per-packet one-way delay: -2.204 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.80 Mbit/s
95th percentile per-packet one-way delay: -2.204 ms
Loss rate: 0.00%
```

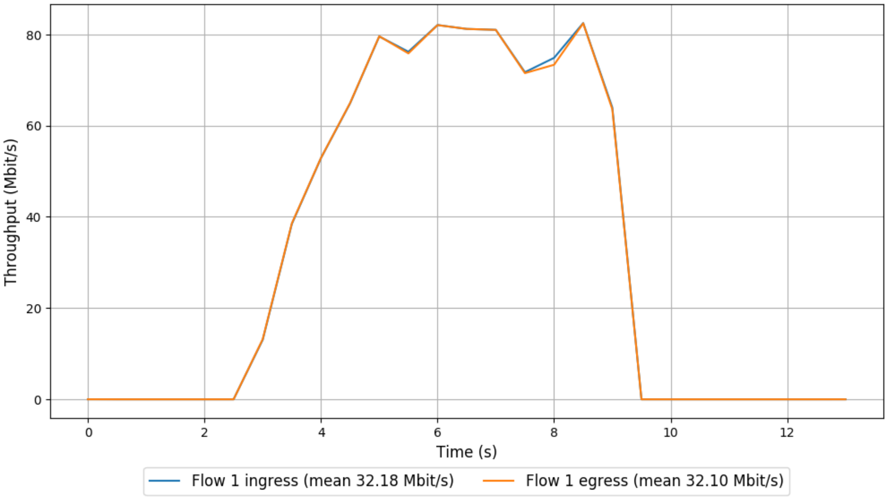
Run 7: Report of QUIC Cubic (toy) — Data Link

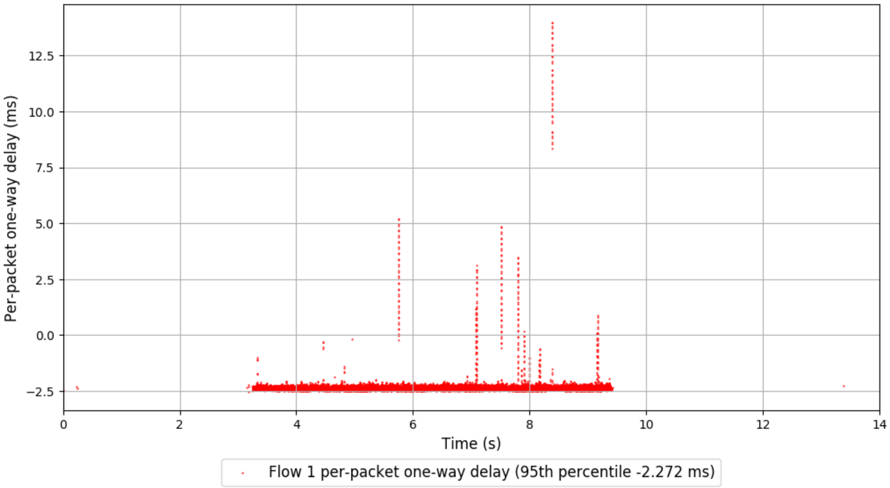




```
Run 8: Statistics of QUIC Cubic (toy)

Start at: Fri, 30 Jun 2017 00:27:14 +0000
End at: Fri, 30 Jun 2017 00:27:44 +0000
Local clock offset: -0.795 ms
Remote clock offset: -4.321 ms
```

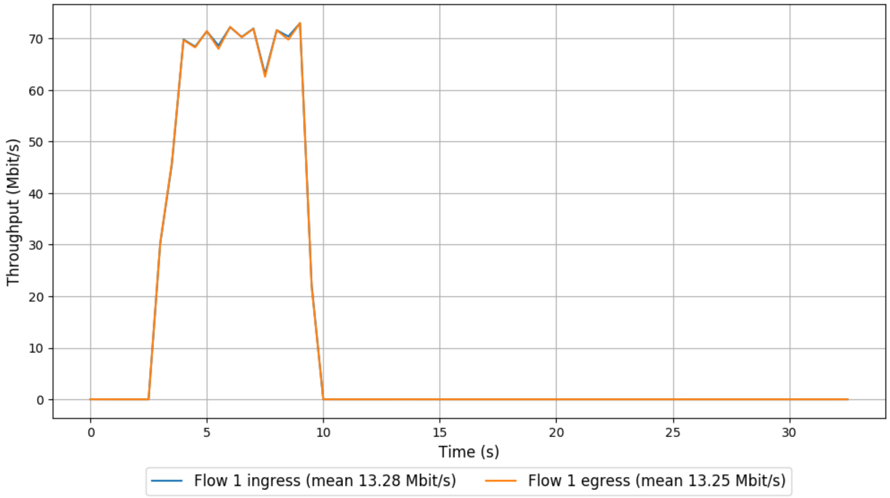
Run 8: Report of QUIC Cubic (toy) — Data Link

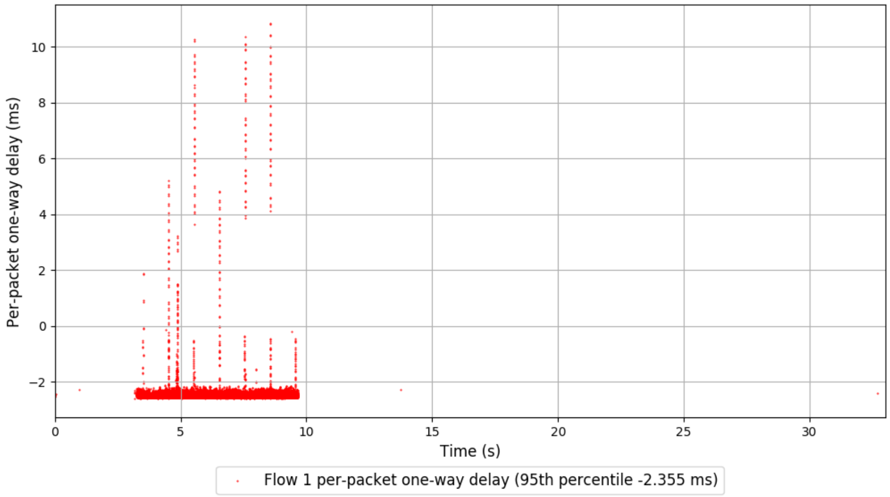




```
Run 9: Statistics of QUIC Cubic (toy)

Start at: Fri, 30 Jun 2017 00:46:28 +0000
End at: Fri, 30 Jun 2017 00:46:58 +0000
Local clock offset: -0.73 ms
Remote clock offset: -4.249 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:23:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: -2.355 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 13.25 Mbit/s
95th percentile per-packet one-way delay: -2.355 ms
Loss rate: 0.22%
```

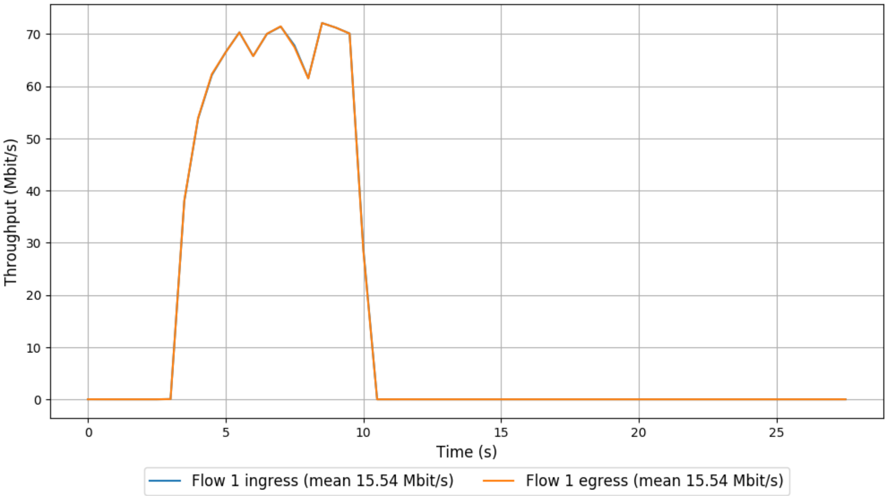
Run 9: Report of QUIC Cubic (toy) — Data Link

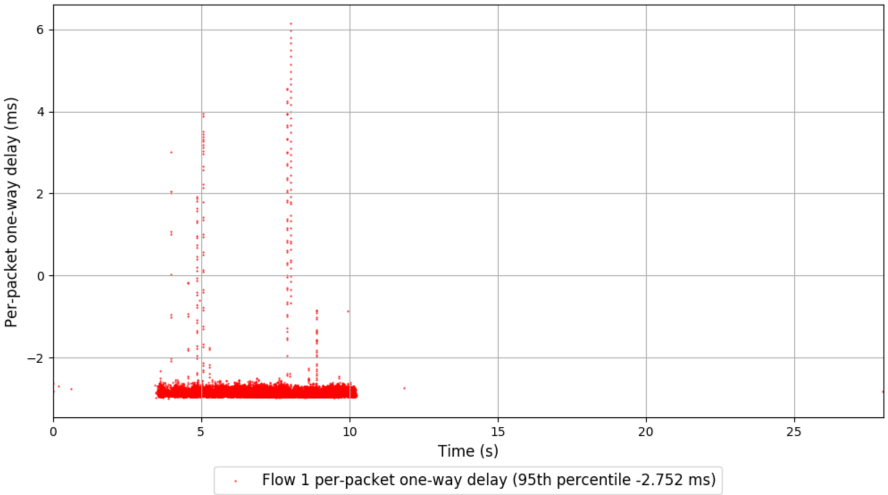




```
Run 10: Statistics of QUIC Cubic (toy)

Start at: Fri, 30 Jun 2017 01:06:09 +0000
End at: Fri, 30 Jun 2017 01:06:39 +0000
Local clock offset: -0.515 ms
Remote clock offset: -4.496 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:23:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.54 Mbit/s
95th percentile per-packet one-way delay: -2.752 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 15.54 Mbit/s
95th percentile per-packet one-way delay: -2.752 ms
Loss rate: 0.04%
```

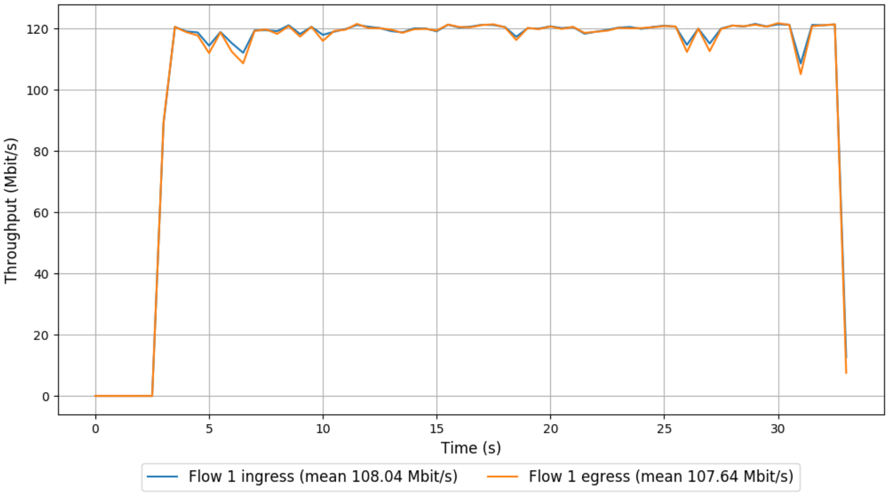
Run 10: Report of QUIC Cubic (toy) — Data Link

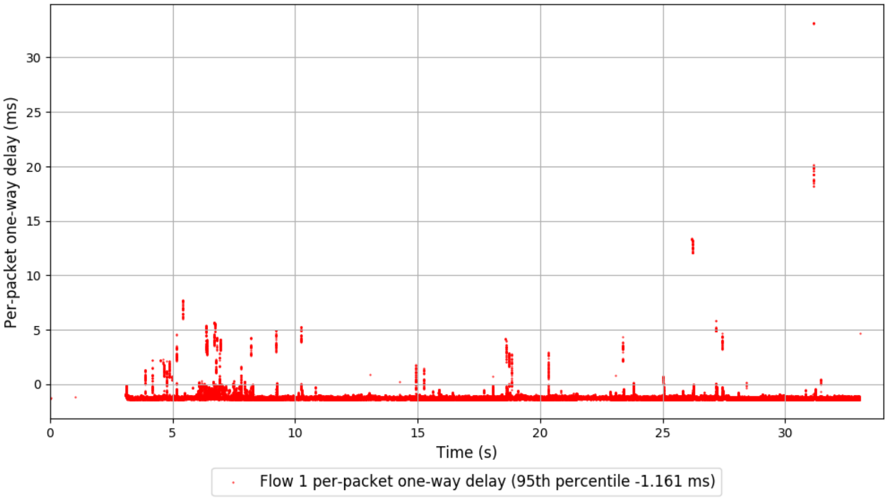




```
Run 1: Statistics of Saturator

Start at: Thu, 29 Jun 2017 22:22:18 +0000
End at: Thu, 29 Jun 2017 22:22:48 +0000
Local clock offset: -0.248 ms
Remote clock offset: -2.671 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:23:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.64 Mbit/s
95th percentile per-packet one-way delay: -1.161 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 107.64 Mbit/s
95th percentile per-packet one-way delay: -1.161 ms
Loss rate: 0.41%
```

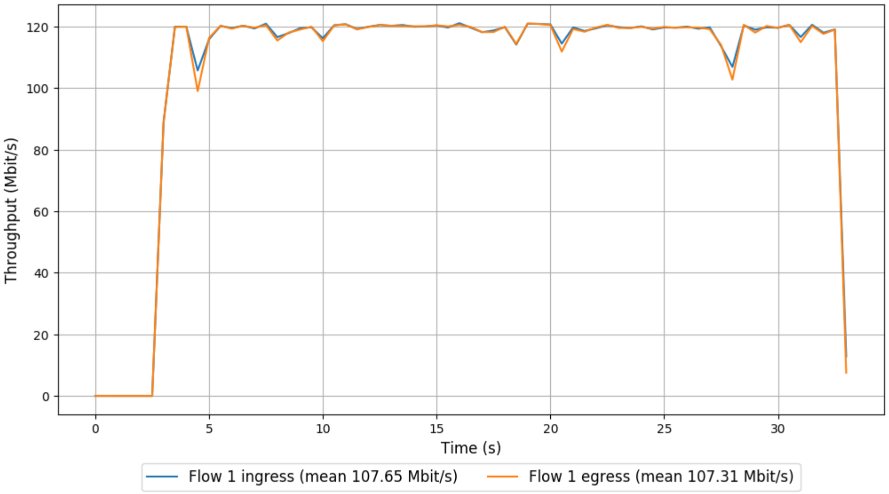
Run 1: Report of Saturator — Data Link

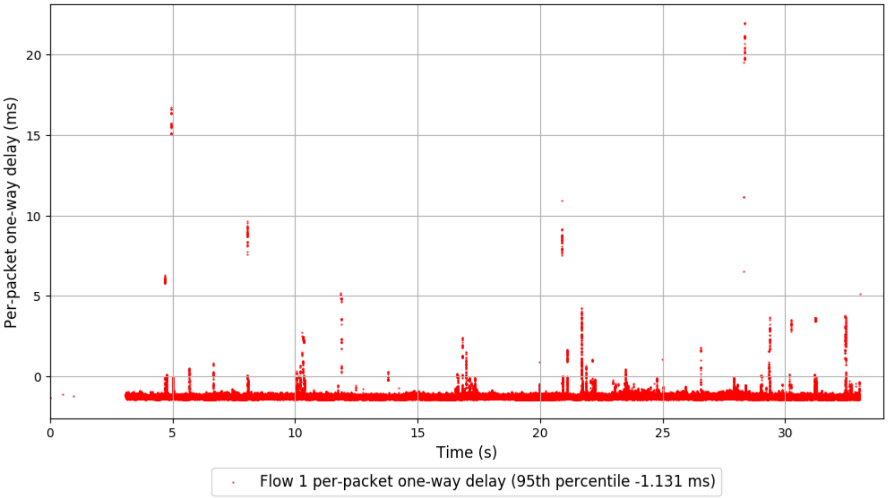




```
Run 2: Statistics of Saturator

Start at: Thu, 29 Jun 2017 22:41:41 +0000
End at: Thu, 29 Jun 2017 22:42:11 +0000
Local clock offset: -0.523 ms
Remote clock offset: -2.92 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:23:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.31 Mbit/s
95th percentile per-packet one-way delay: -1.131 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 107.31 Mbit/s
95th percentile per-packet one-way delay: -1.131 ms
Loss rate: 0.35%
```

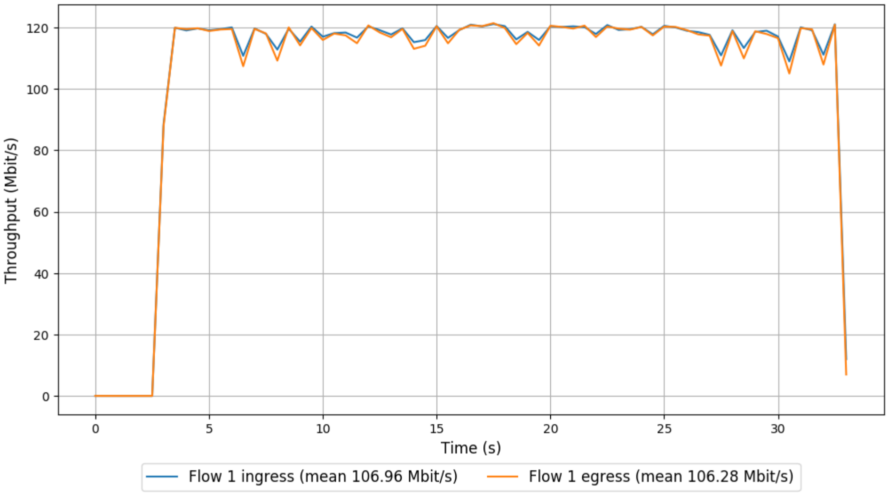
Run 2: Report of Saturator — Data Link

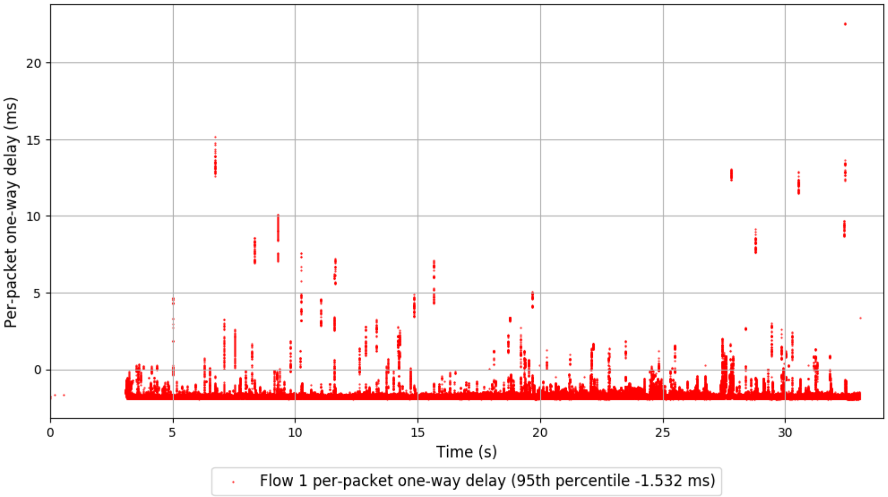




```
Run 3: Statistics of Saturator

Start at: Thu, 29 Jun 2017 23:01:28 +0000
End at: Thu, 29 Jun 2017 23:01:58 +0000
Local clock offset: -0.623 ms
Remote clock offset: -3.452 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:24:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.28 Mbit/s
95th percentile per-packet one-way delay: -1.532 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 106.28 Mbit/s
95th percentile per-packet one-way delay: -1.532 ms
Loss rate: 0.68%
```

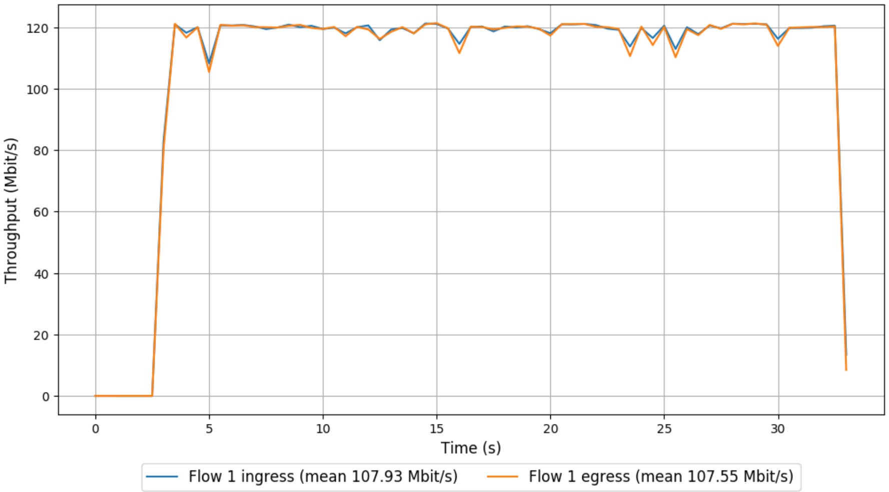
Run 3: Report of Saturator — Data Link

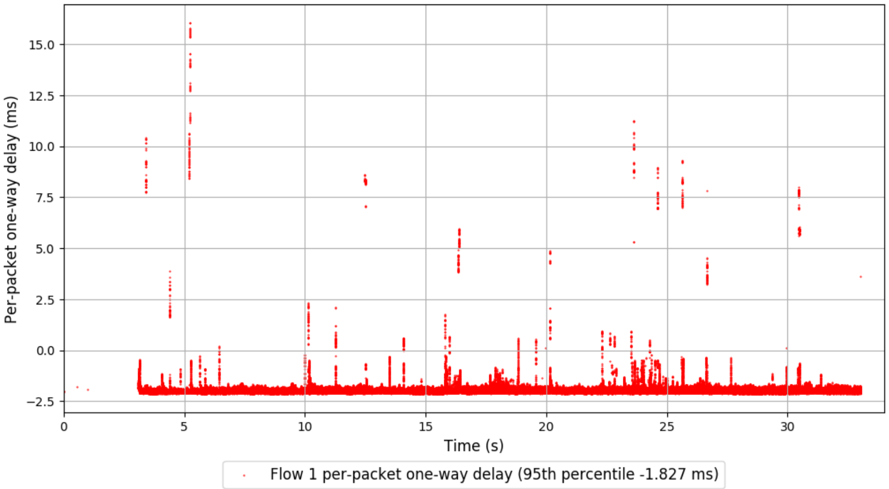




```
Run 4: Statistics of Saturator

Start at: Thu, 29 Jun 2017 23:20:47 +0000
End at: Thu, 29 Jun 2017 23:21:17 +0000
Local clock offset: -0.633 ms
Remote clock offset: -3.649 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:24:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.55 Mbit/s
95th percentile per-packet one-way delay: -1.827 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 107.55 Mbit/s
95th percentile per-packet one-way delay: -1.827 ms
Loss rate: 0.39%
```

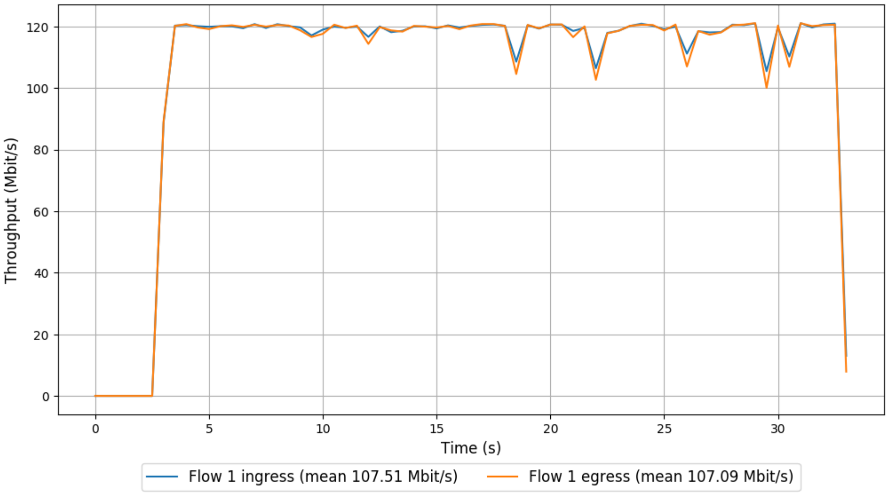
Run 4: Report of Saturator — Data Link

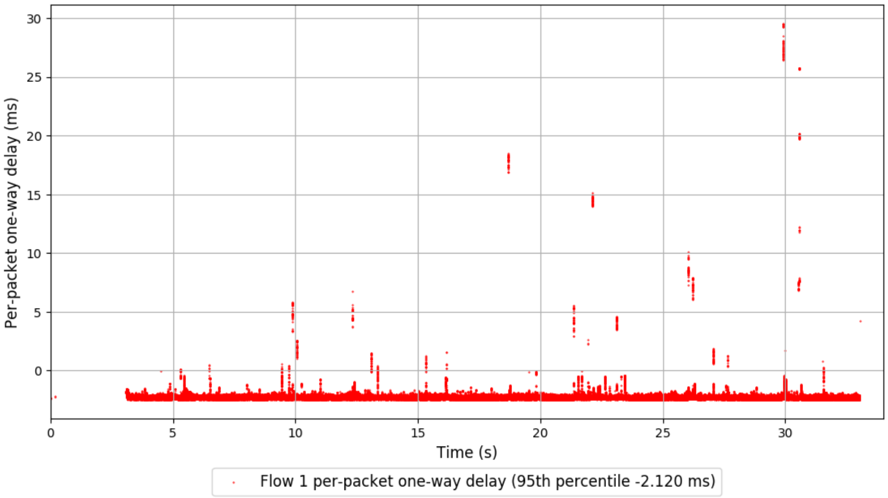




```
Run 5: Statistics of Saturator

Start at: Thu, 29 Jun 2017 23:40:18 +0000
End at: Thu, 29 Jun 2017 23:40:48 +0000
Local clock offset: -0.622 ms
Remote clock offset: -3.944 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:24:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.09 Mbit/s
95th percentile per-packet one-way delay: -2.120 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 107.09 Mbit/s
95th percentile per-packet one-way delay: -2.120 ms
Loss rate: 0.43%
```

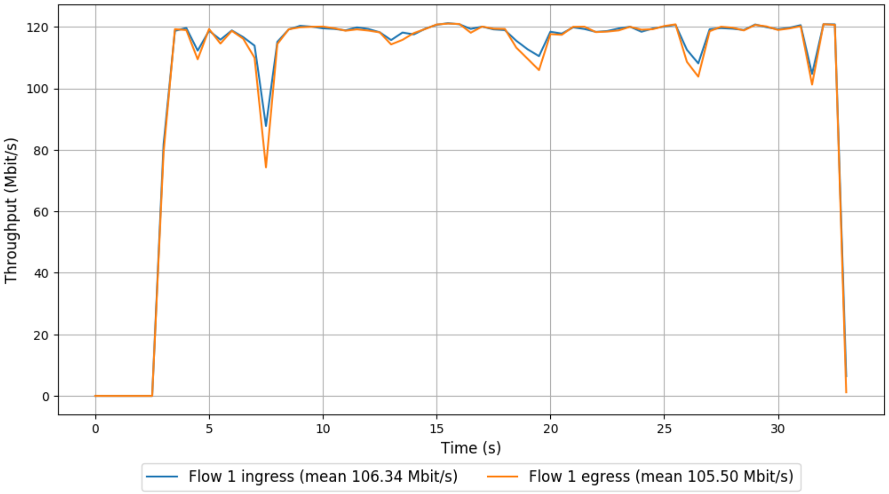
Run 5: Report of Saturator — Data Link

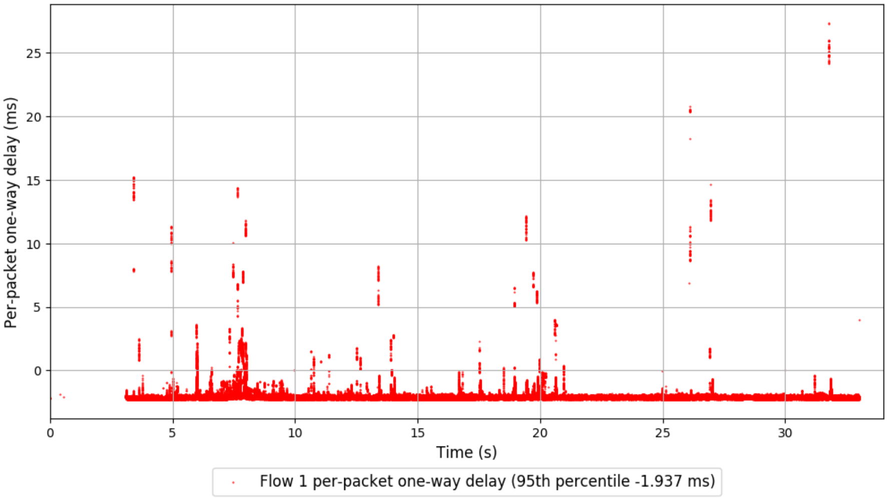




```
Run 6: Statistics of Saturator

Start at: Thu, 29 Jun 2017 23:59:57 +0000
End at: Fri, 30 Jun 2017 00:00:27 +0000
Local clock offset: -0.579 ms
Remote clock offset: -3.838 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:24:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.50 Mbit/s
95th percentile per-packet one-way delay: -1.937 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 105.50 Mbit/s
95th percentile per-packet one-way delay: -1.937 ms
Loss rate: 0.83%
```

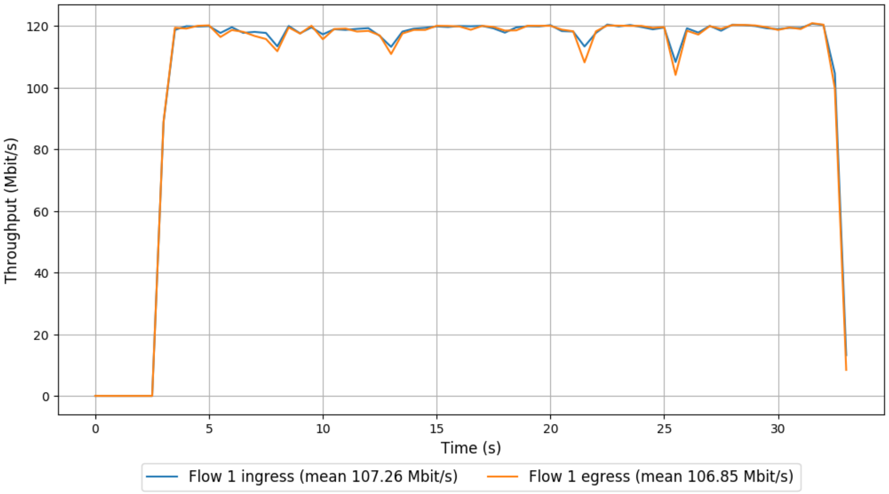
Run 6: Report of Saturator — Data Link

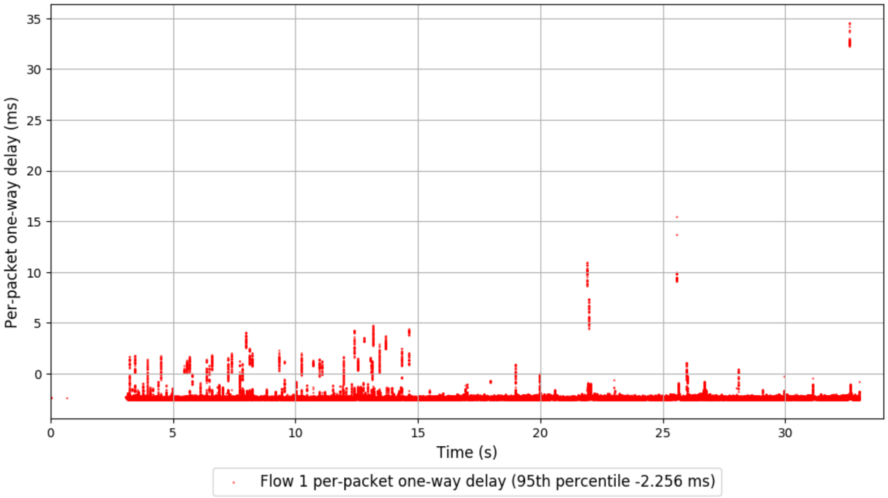




```
Run 7: Statistics of Saturator

Start at: Fri, 30 Jun 2017 00:19:17 +0000
End at: Fri, 30 Jun 2017 00:19:47 +0000
Local clock offset: -0.796 ms
Remote clock offset: -4.372 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:24:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.85 Mbit/s
95th percentile per-packet one-way delay: -2.256 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 106.85 Mbit/s
95th percentile per-packet one-way delay: -2.256 ms
Loss rate: 0.44%
```

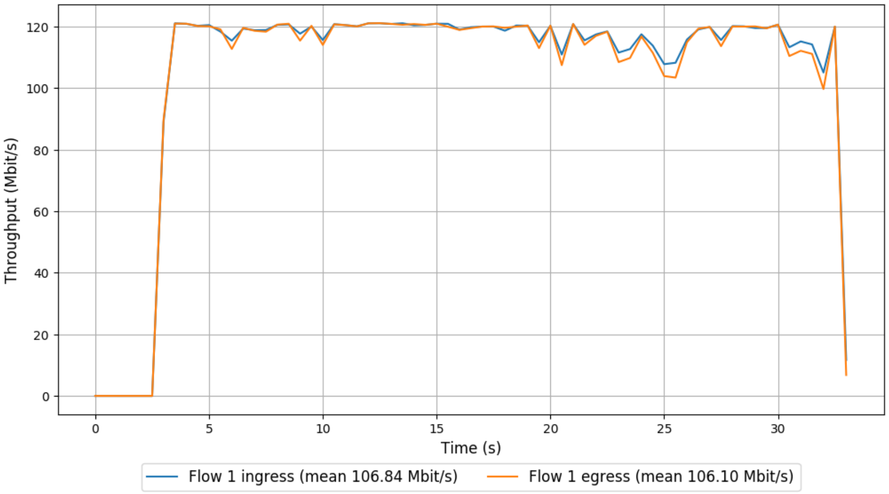
Run 7: Report of Saturator — Data Link

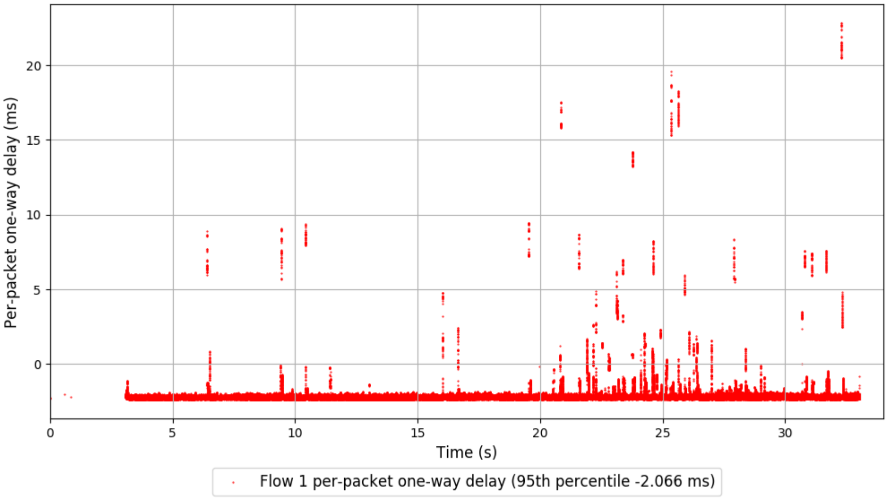




```
Run 8: Statistics of Saturator

Start at: Fri, 30 Jun 2017 00:38:36 +0000
End at: Fri, 30 Jun 2017 00:39:06 +0000
Local clock offset: -0.859 ms
Remote clock offset: -4.191 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:24:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.10 Mbit/s
95th percentile per-packet one-way delay: -2.066 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 106.10 Mbit/s
95th percentile per-packet one-way delay: -2.066 ms
Loss rate: 0.75%
```

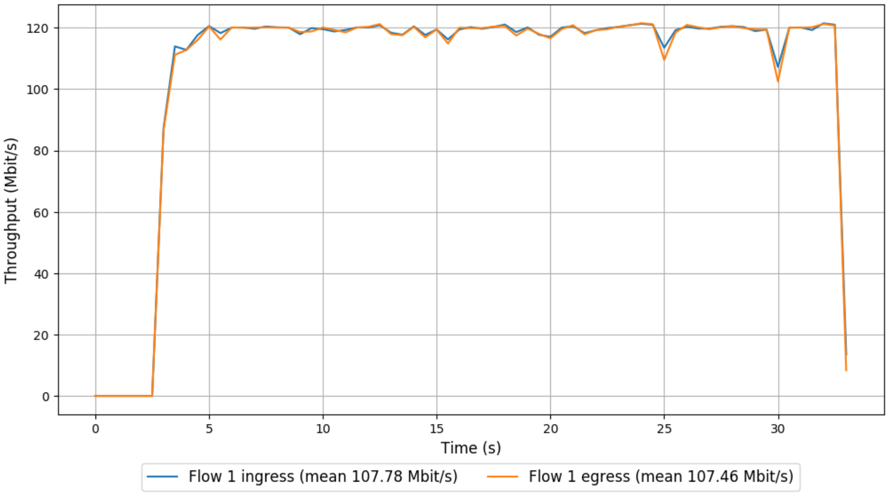
Run 8: Report of Saturator — Data Link

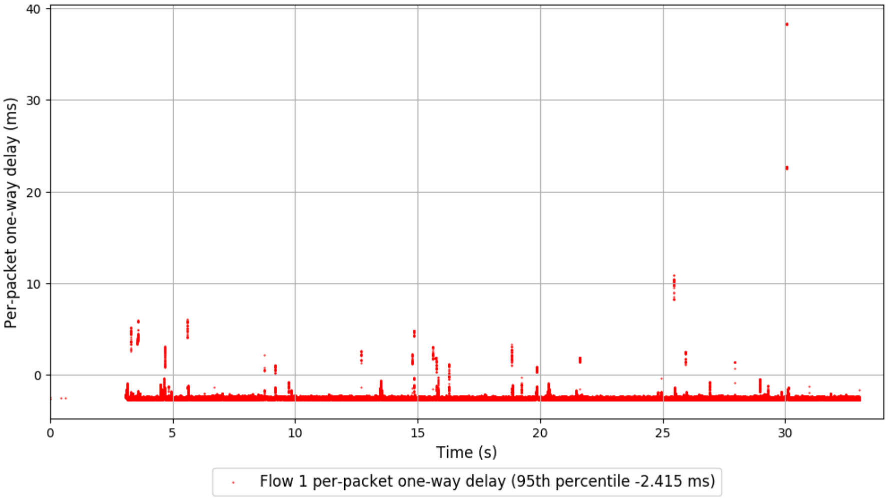




```
Run 9: Statistics of Saturator

Start at: Fri, 30 Jun 2017 00:58:14 +0000
End at: Fri, 30 Jun 2017 00:58:44 +0000
Local clock offset: -0.621 ms
Remote clock offset: -4.322 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.46 Mbit/s
95th percentile per-packet one-way delay: -2.415 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 107.46 Mbit/s
95th percentile per-packet one-way delay: -2.415 ms
Loss rate: 0.36%
```

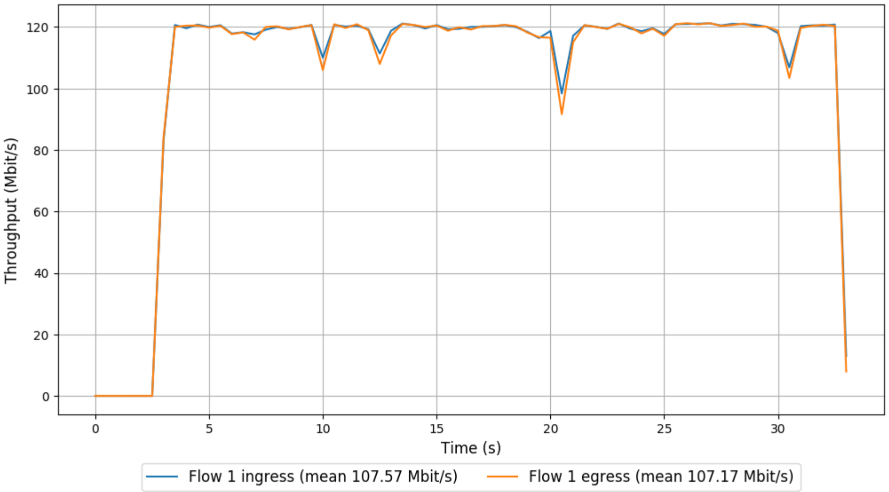
Run 9: Report of Saturator — Data Link

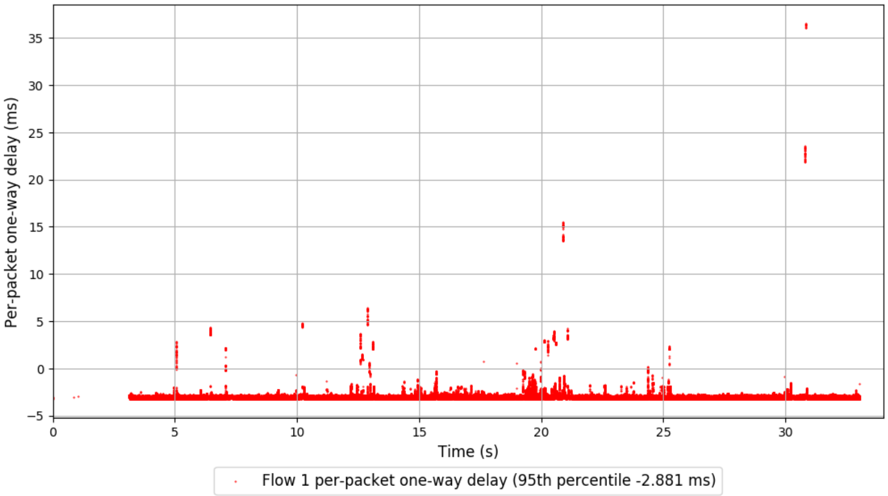




```
Run 10: Statistics of Saturator

Start at: Fri, 30 Jun 2017 01:17:48 +0000
End at: Fri, 30 Jun 2017 01:18:18 +0000
Local clock offset: -0.408 ms
Remote clock offset: -4.56 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.17 Mbit/s
95th percentile per-packet one-way delay: -2.881 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 107.17 Mbit/s
95th percentile per-packet one-way delay: -2.881 ms
Loss rate: 0.43%
```

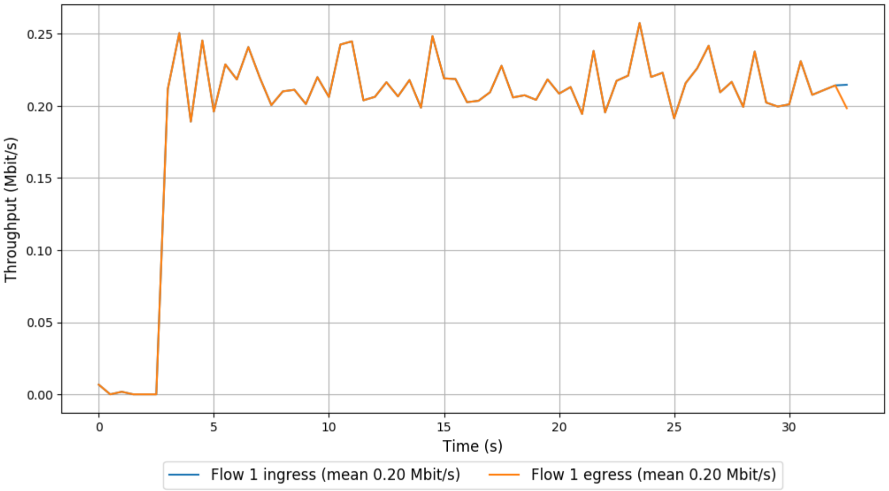
Run 10: Report of Saturator — Data Link

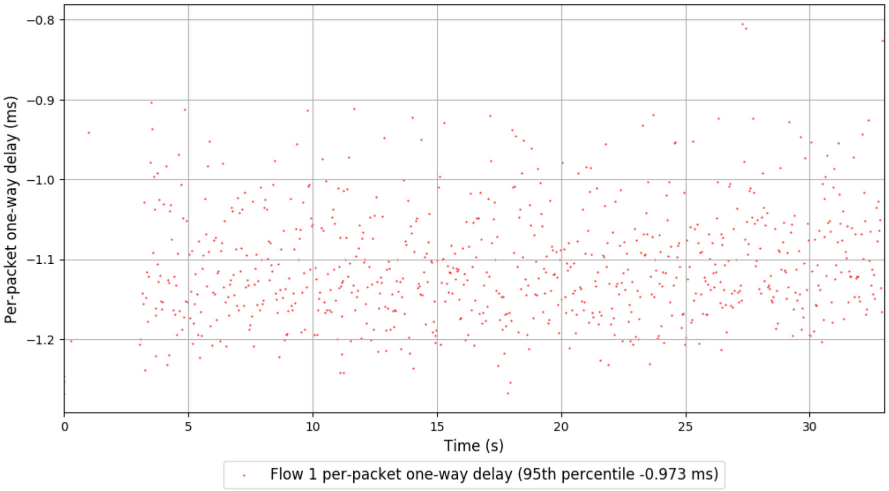




```
Run 1: Statistics of SCReAM

Start at: Thu, 29 Jun 2017 22:27:37 +0000
End at: Thu, 29 Jun 2017 22:28:07 +0000
Local clock offset: -0.373 ms
Remote clock offset: -2.693 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -0.973 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -0.973 ms
Loss rate: 0.13%
```

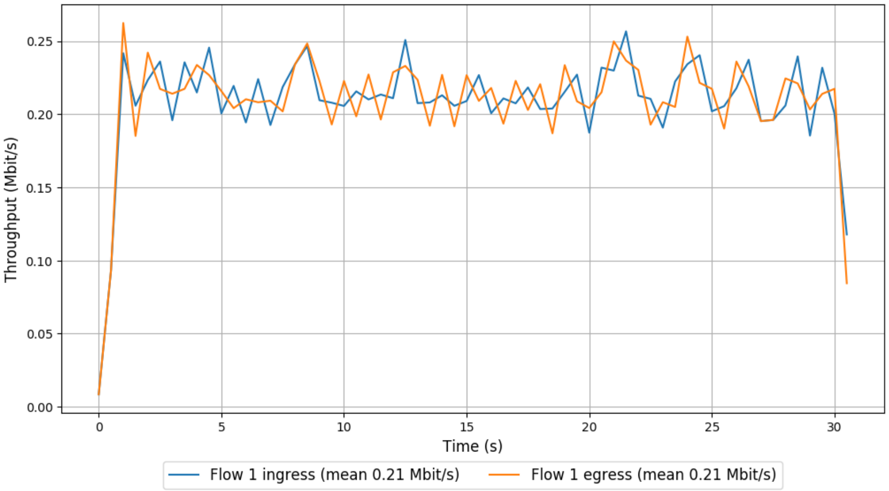
Run 1: Report of SCReAM — Data Link

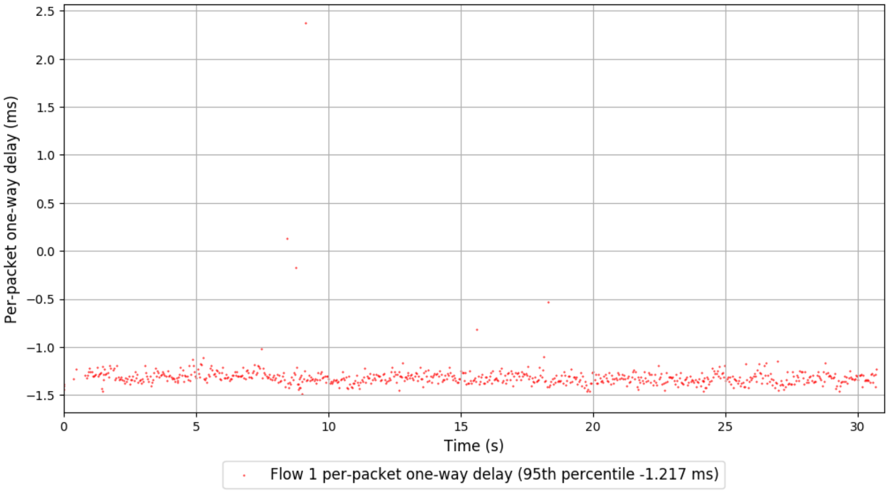




```
Run 2: Statistics of SCReAM

Start at: Thu, 29 Jun 2017 22:47:02 +0000
End at: Thu, 29 Jun 2017 22:47:32 +0000
Local clock offset: -0.451 ms
Remote clock offset: -3.039 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -1.217 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -1.217 ms
Loss rate: 0.13%
```

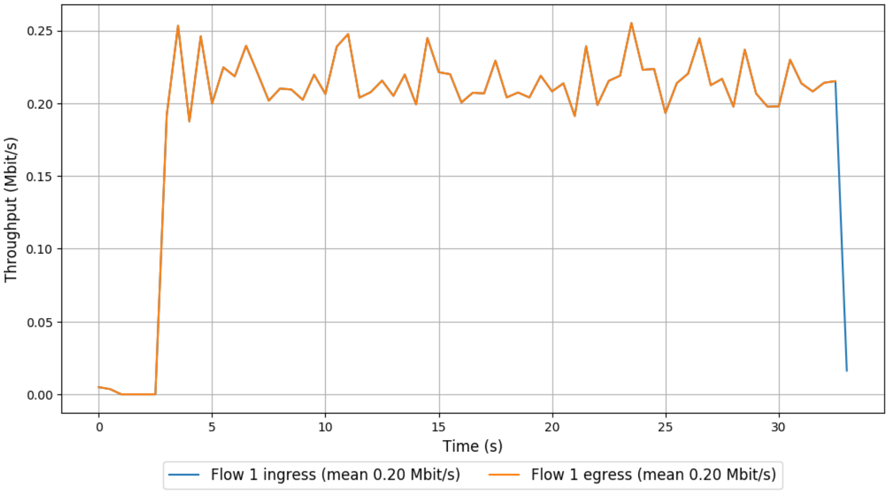
Run 2: Report of SCReAM — Data Link

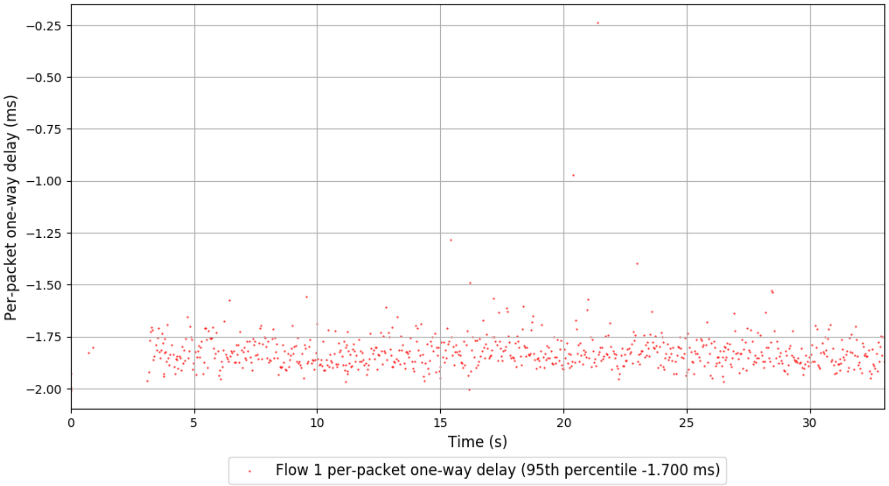




```
Run 3: Statistics of SCReAM

Start at: Thu, 29 Jun 2017 23:06:47 +0000
End at: Thu, 29 Jun 2017 23:07:17 +0000
Local clock offset: -0.564 ms
Remote clock offset: -3.65 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -1.700 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -1.700 ms
Loss rate: 0.13%
```

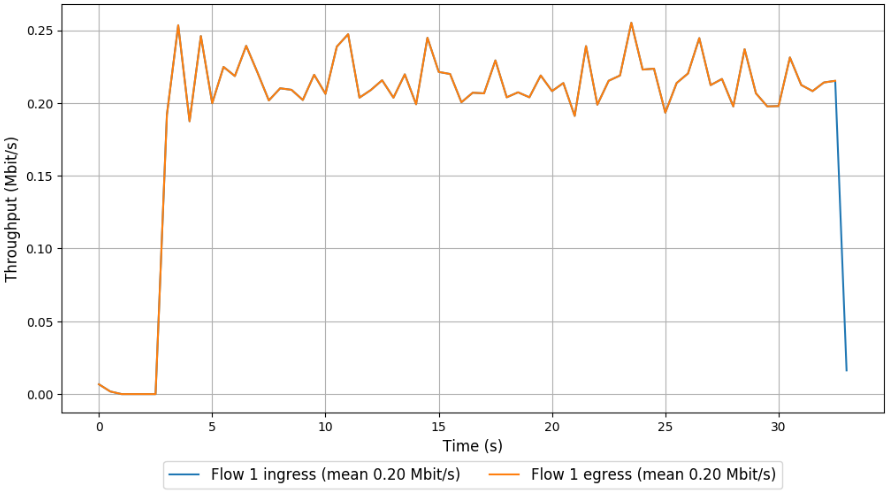
Run 3: Report of SCReAM — Data Link

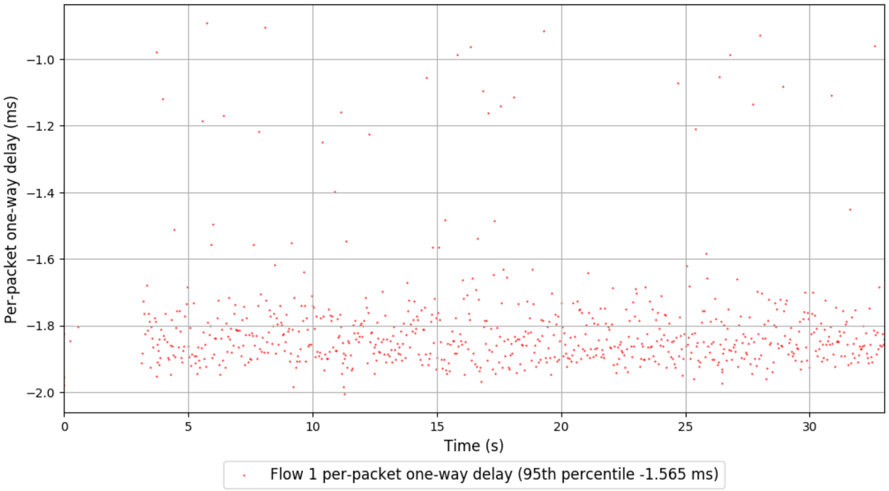




```
Run 4: Statistics of SCReAM

Start at: Thu, 29 Jun 2017 23:26:13 +0000
End at: Thu, 29 Jun 2017 23:26:43 +0000
Local clock offset: -0.582 ms
Remote clock offset: -3.665 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -1.565 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -1.565 ms
Loss rate: 0.13%
```

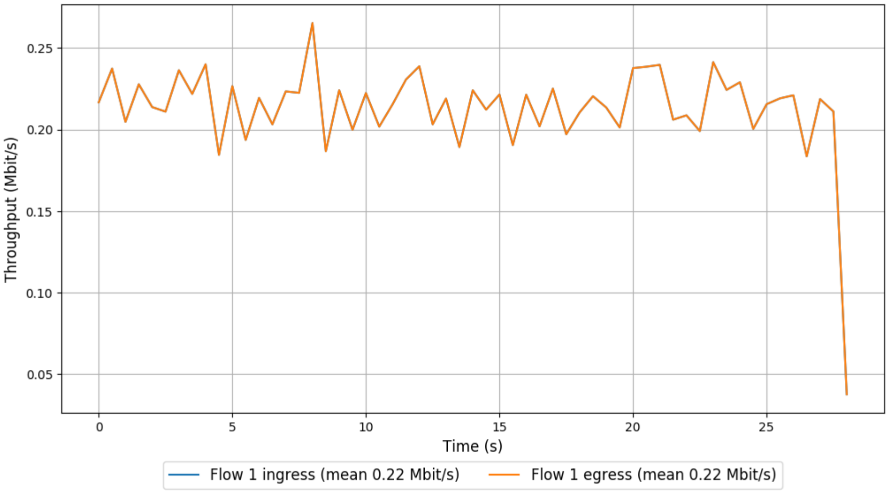
Run 4: Report of SCReAM — Data Link

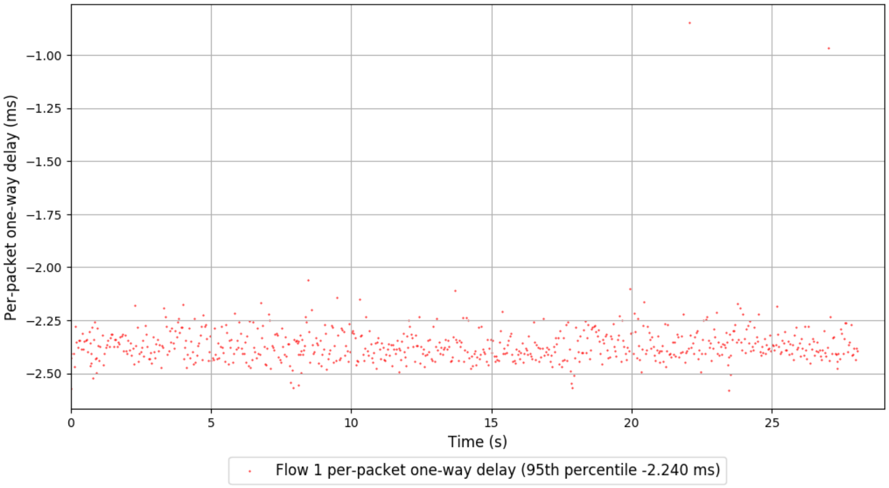




```
Run 5: Statistics of SCReAM

Start at: Thu, 29 Jun 2017 23:45:35 +0000
End at: Thu, 29 Jun 2017 23:46:06 +0000
Local clock offset: -0.496 ms
Remote clock offset: -4.097 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -2.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -2.240 ms
Loss rate: 0.00%
```

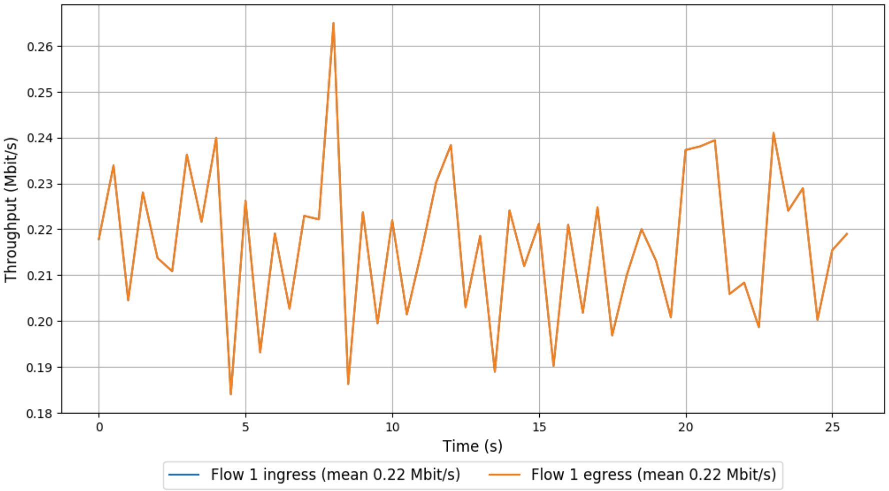
Run 5: Report of SCReAM — Data Link

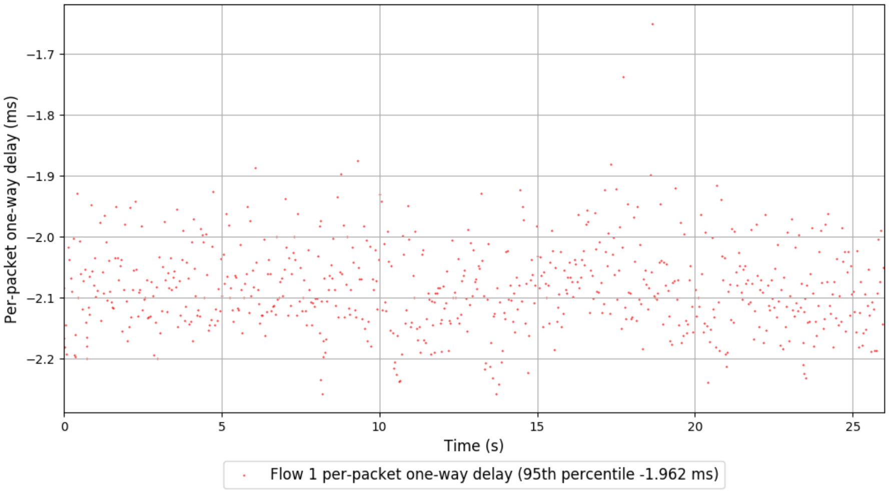




```
Run 6: Statistics of SCReAM

Start at: Fri, 30 Jun 2017 00:05:11 +0000
End at: Fri, 30 Jun 2017 00:05:41 +0000
Local clock offset: -0.686 ms
Remote clock offset: -3.9 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.962 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -1.962 ms
Loss rate: 0.00%
```

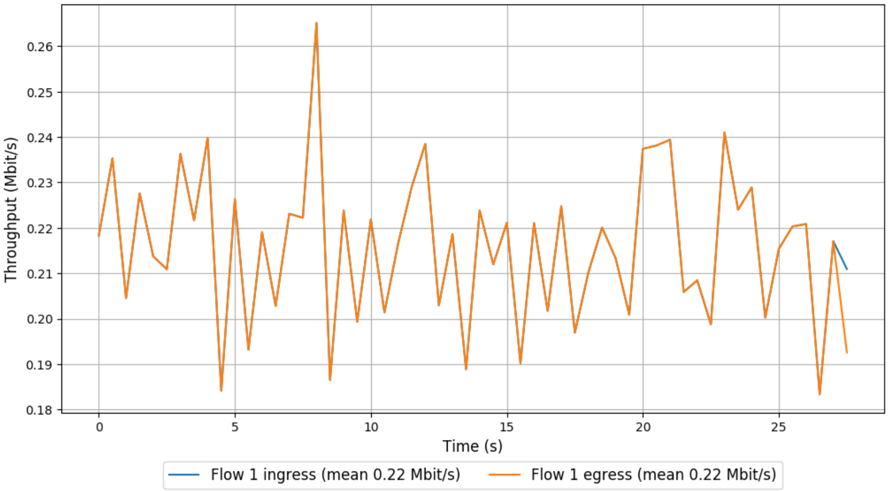
Run 6: Report of SCReAM — Data Link

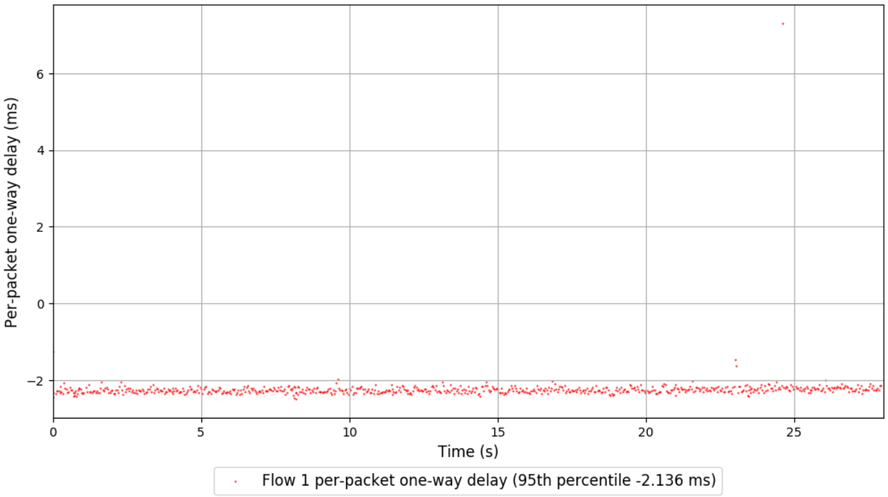




```
Run 7: Statistics of SCReAM

Start at: Fri, 30 Jun 2017 00:24:34 +0000
End at: Fri, 30 Jun 2017 00:25:04 +0000
Local clock offset: -0.79 ms
Remote clock offset: -4.329 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -2.136 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -2.136 ms
Loss rate: 0.15%
```

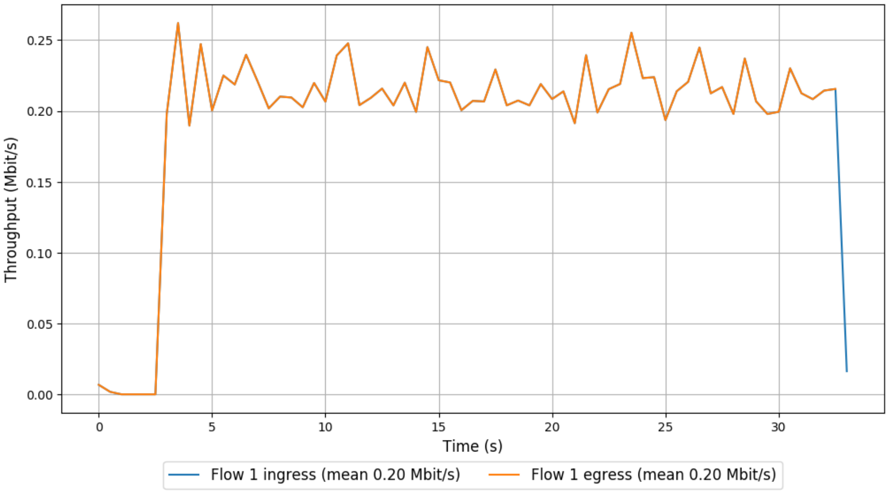
Run 7: Report of SCReAM — Data Link

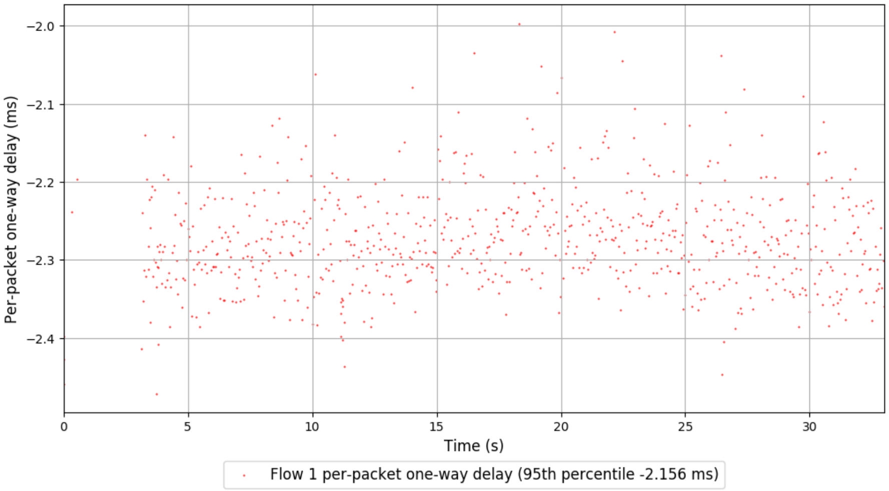




```
Run 8: Statistics of SCReAM

Start at: Fri, 30 Jun 2017 00:43:48 +0000
End at: Fri, 30 Jun 2017 00:44:19 +0000
Local clock offset: -0.82 ms
Remote clock offset: -4.195 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -2.156 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -2.156 ms
Loss rate: 0.13%
```

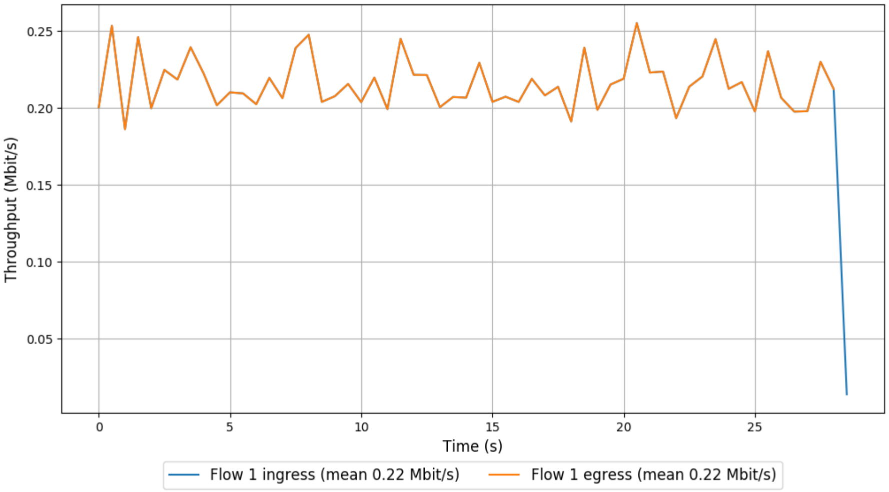
Run 8: Report of SCReAM — Data Link

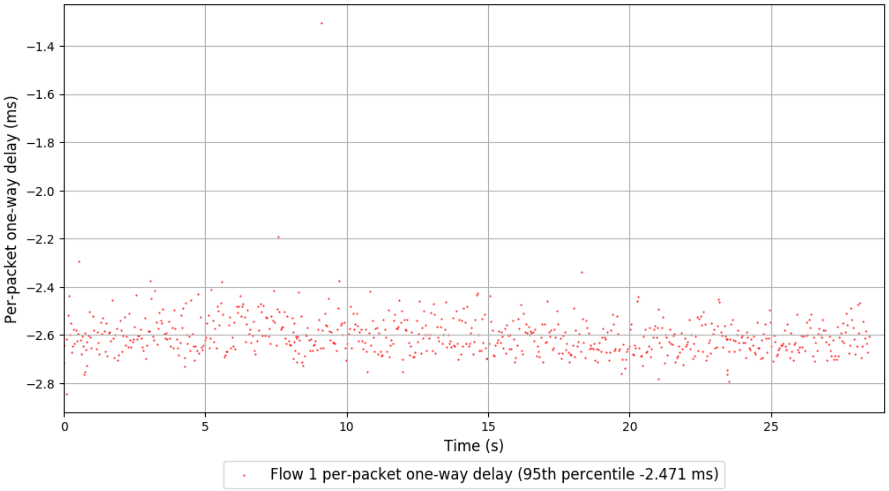




```
Run 9: Statistics of SCReAM

Start at: Fri, 30 Jun 2017 01:03:29 +0000
End at: Fri, 30 Jun 2017 01:04:00 +0000
Local clock offset: -0.668 ms
Remote clock offset: -4.473 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -2.471 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -2.471 ms
Loss rate: 0.11%
```

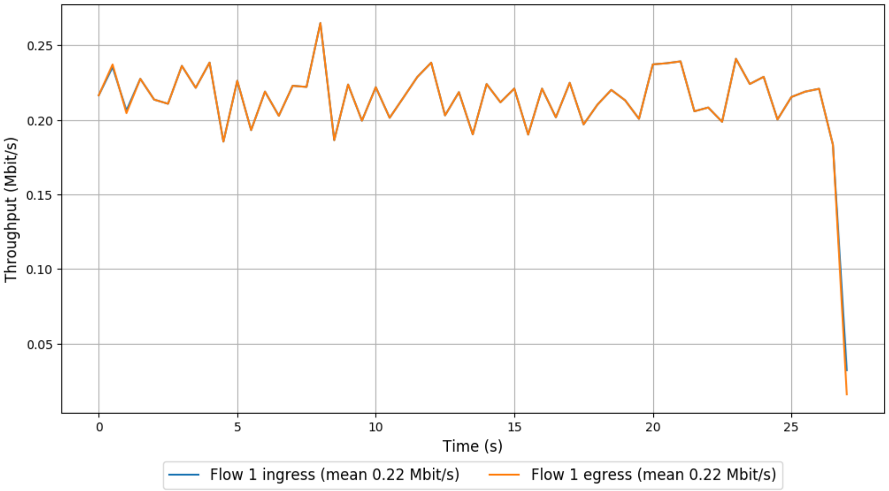
Run 9: Report of SCReAM — Data Link

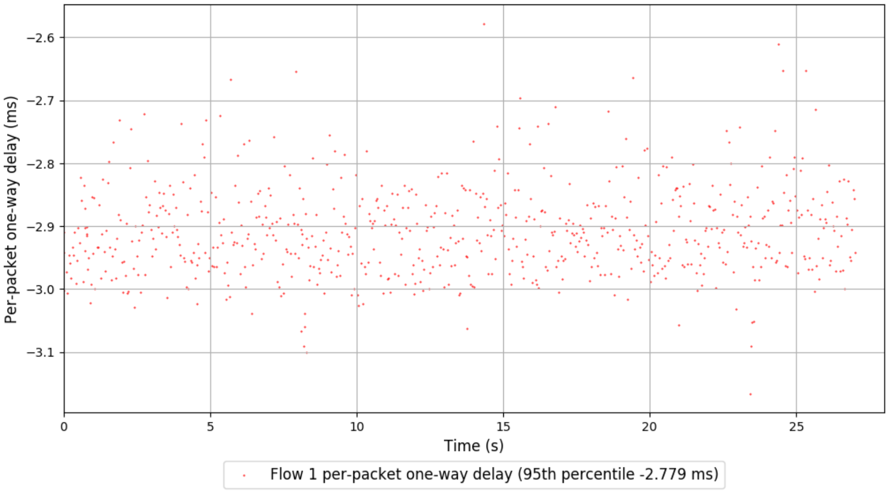




```
Run 10: Statistics of SCReAM

Start at: Fri, 30 Jun 2017 01:23:04 +0000
End at: Fri, 30 Jun 2017 01:23:34 +0000
Local clock offset: -0.347 ms
Remote clock offset: -4.47 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -2.779 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -2.779 ms
Loss rate: 0.14%
```

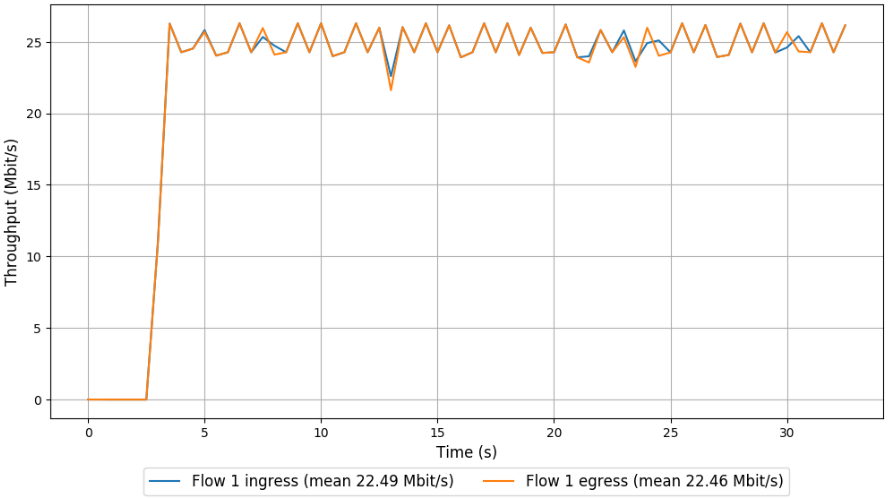
Run 10: Report of SCReAM — Data Link

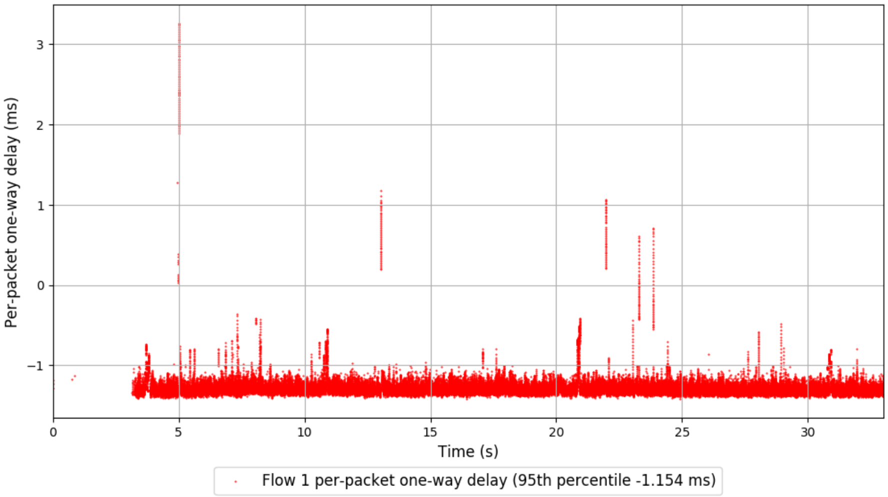




```
Run 1: Statistics of Sprout

Start at: Thu, 29 Jun 2017 22:19:58 +0000
End at: Thu, 29 Jun 2017 22:20:28 +0000
Local clock offset: -0.19 ms
Remote clock offset: -2.683 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.46 Mbit/s
95th percentile per-packet one-way delay: -1.154 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 22.46 Mbit/s
95th percentile per-packet one-way delay: -1.154 ms
Loss rate: 0.16%
```

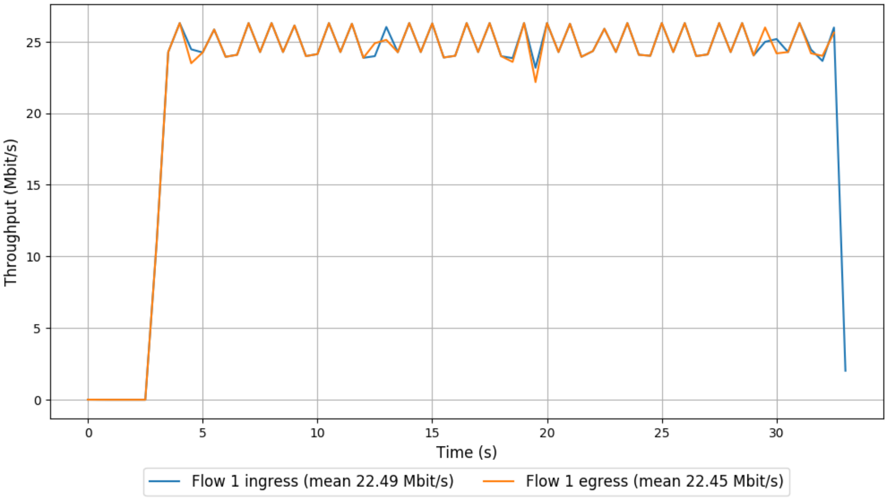
Run 1: Report of Sprout — Data Link

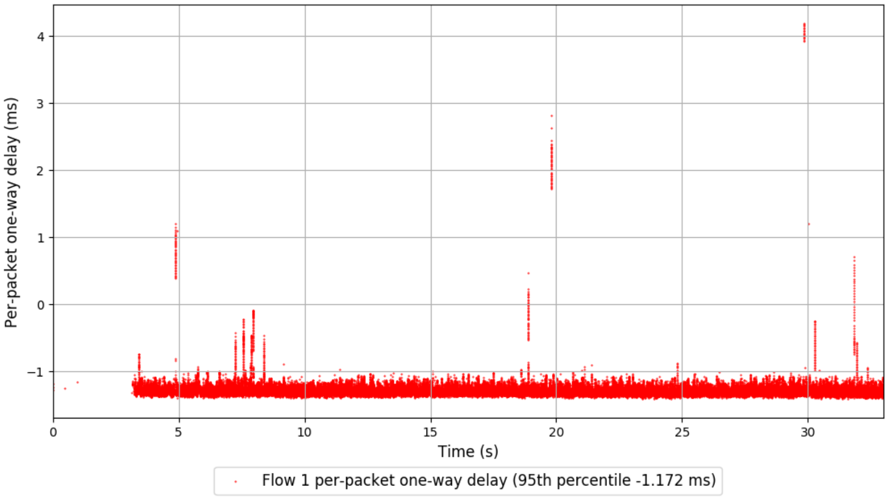




```
Run 2: Statistics of Sprout

Start at: Thu, 29 Jun 2017 22:39:21 +0000
End at: Thu, 29 Jun 2017 22:39:51 +0000
Local clock offset: -0.463 ms
Remote clock offset: -2.851 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: -1.172 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: -1.172 ms
Loss rate: 0.30%
```

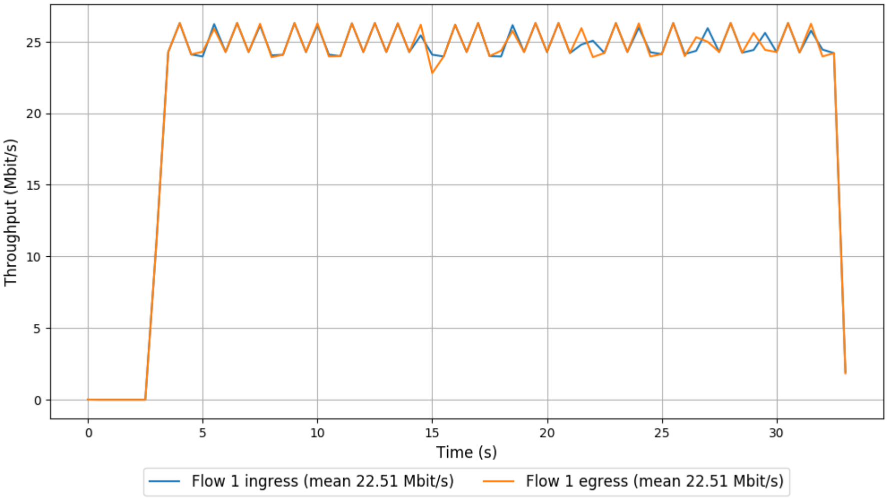
Run 2: Report of Sprout — Data Link

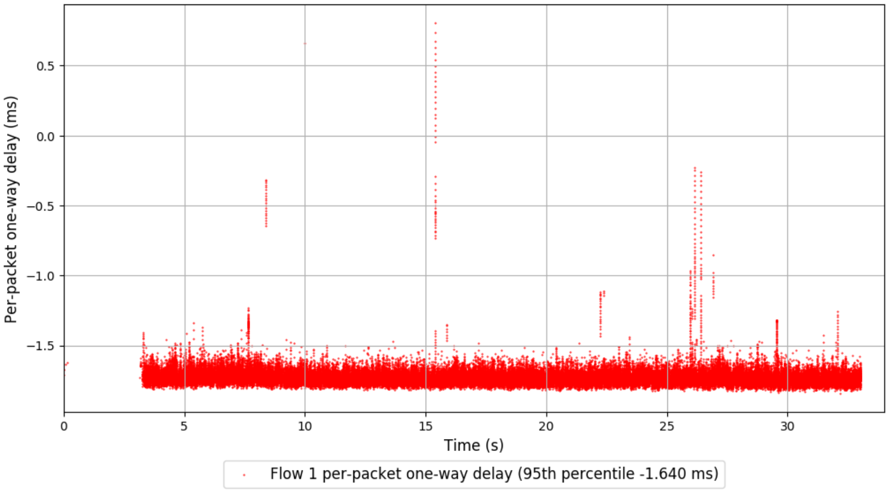




```
Run 3: Statistics of Sprout

Start at: Thu, 29 Jun 2017 22:59:08 +0000
End at: Thu, 29 Jun 2017 22:59:38 +0000
Local clock offset: -0.644 ms
Remote clock offset: -3.33 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.51 Mbit/s
95th percentile per-packet one-way delay: -1.640 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 22.51 Mbit/s
95th percentile per-packet one-way delay: -1.640 ms
Loss rate: 0.05%
```

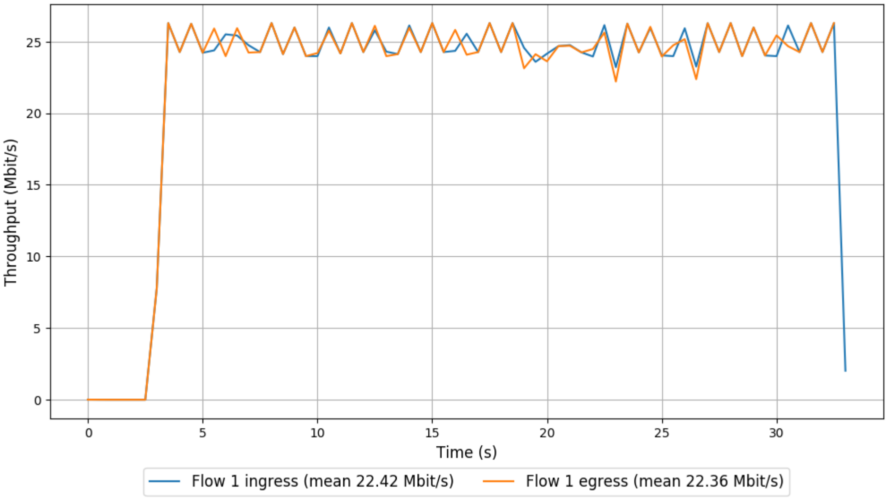
Run 3: Report of Sprout — Data Link

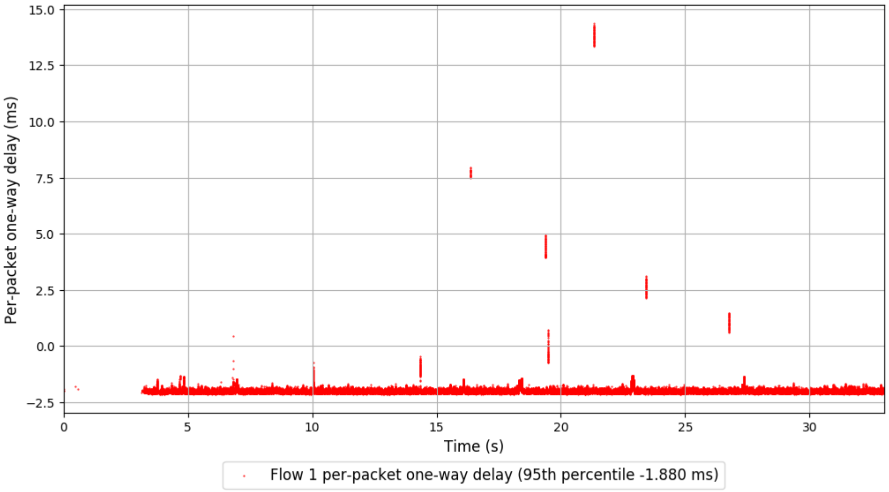




```
Run 4: Statistics of Sprout

Start at: Thu, 29 Jun 2017 23:18:26 +0000
End at: Thu, 29 Jun 2017 23:18:56 +0000
Local clock offset: -0.536 ms
Remote clock offset: -3.732 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.36 Mbit/s
95th percentile per-packet one-way delay: -1.880 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 22.36 Mbit/s
95th percentile per-packet one-way delay: -1.880 ms
Loss rate: 0.37%
```

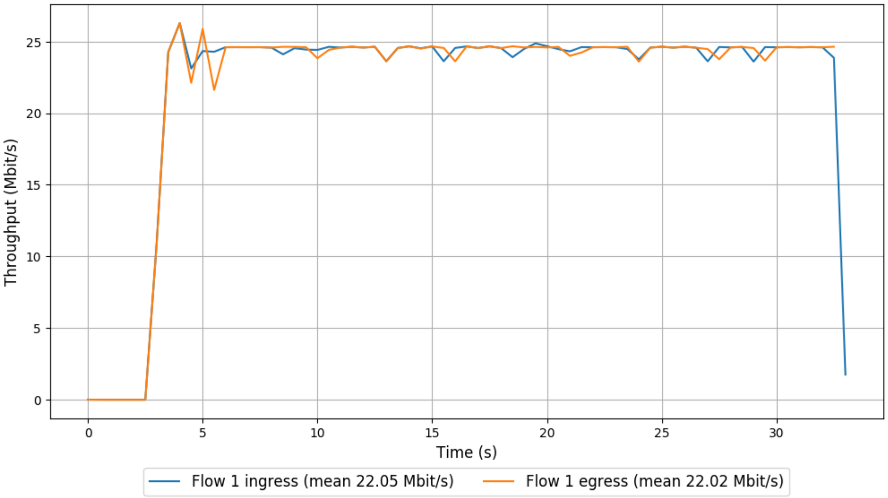
Run 4: Report of Sprout — Data Link

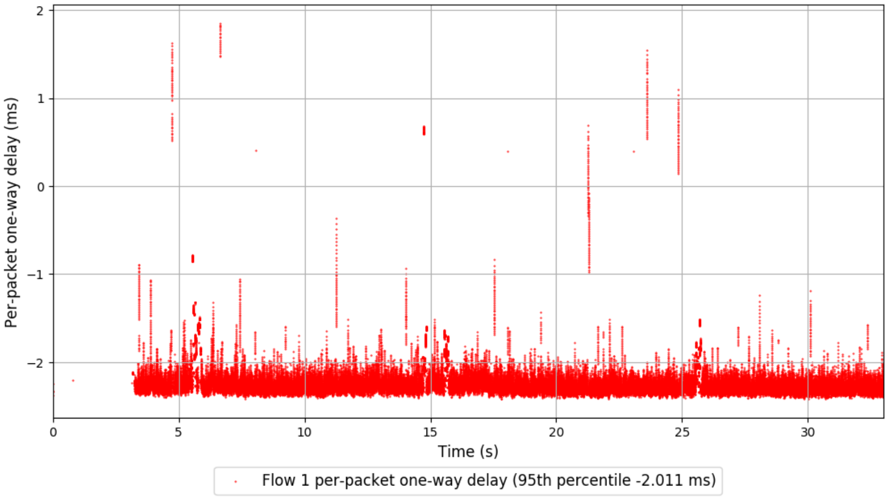




```
Run 5: Statistics of Sprout

Start at: Thu, 29 Jun 2017 23:37:58 +0000
End at: Thu, 29 Jun 2017 23:38:28 +0000
Local clock offset: -0.52 ms
Remote clock offset: -3.951 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.02 Mbit/s
95th percentile per-packet one-way delay: -2.011 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 22.02 Mbit/s
95th percentile per-packet one-way delay: -2.011 ms
Loss rate: 0.21%
```

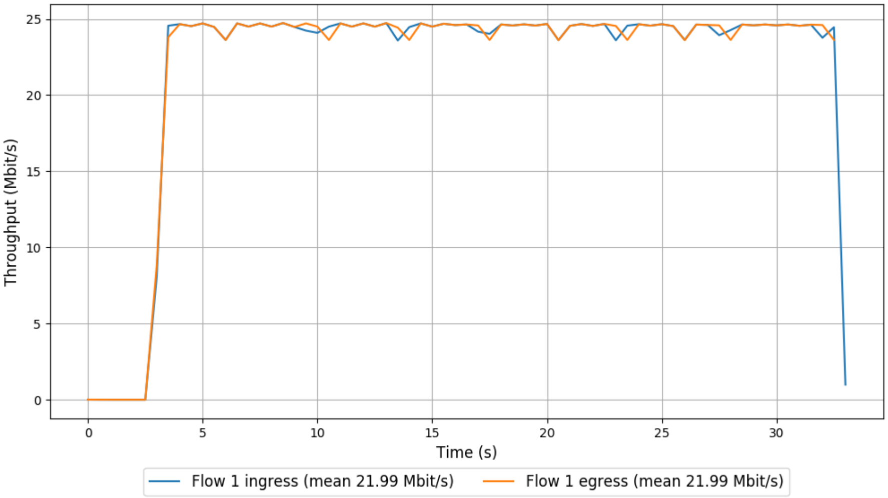
Run 5: Report of Sprout — Data Link

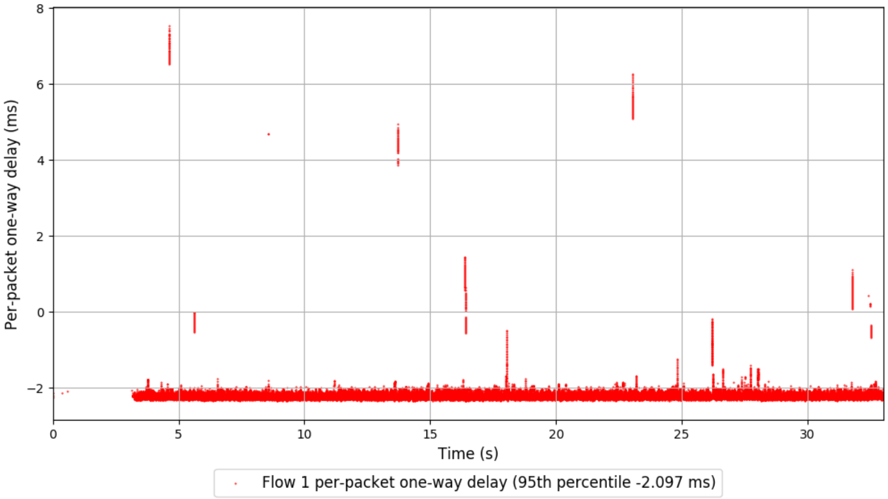




```
Run 6: Statistics of Sprout

Start at: Thu, 29 Jun 2017 23:57:36 +0000
End at: Thu, 29 Jun 2017 23:58:06 +0000
Local clock offset: -0.658 ms
Remote clock offset: -3.877 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.99 Mbit/s
95th percentile per-packet one-way delay: -2.097 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 21.99 Mbit/s
95th percentile per-packet one-way delay: -2.097 ms
Loss rate: 0.07%
```

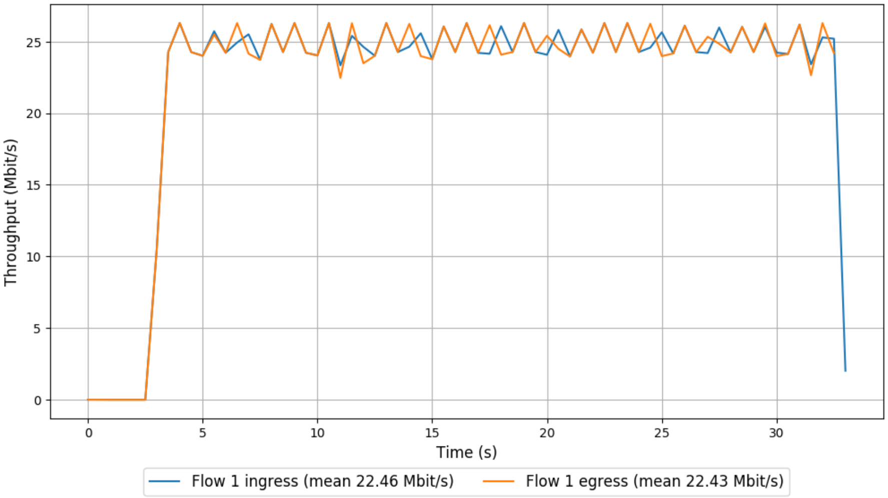
Run 6: Report of Sprout — Data Link

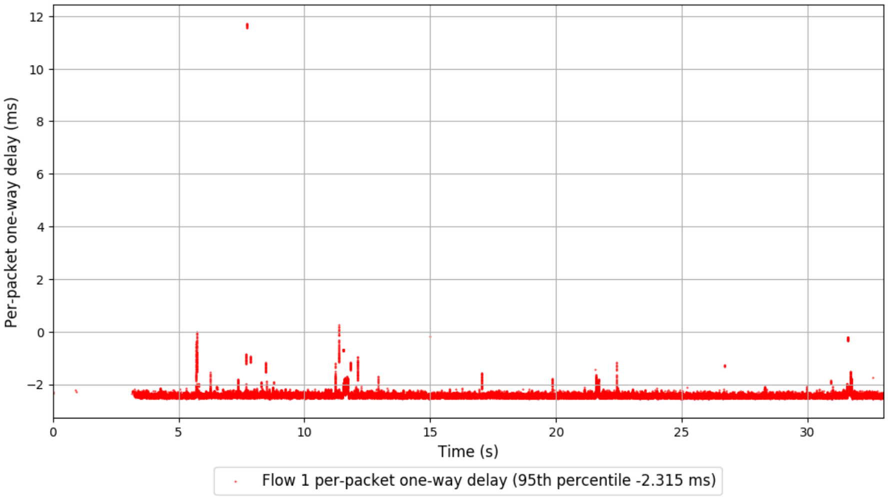




```
Run 7: Statistics of Sprout

Start at: Fri, 30 Jun 2017 00:16:57 +0000
End at: Fri, 30 Jun 2017 00:17:27 +0000
Local clock offset: -0.801 ms
Remote clock offset: -4.255 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: -2.315 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: -2.315 ms
Loss rate: 0.28%
```

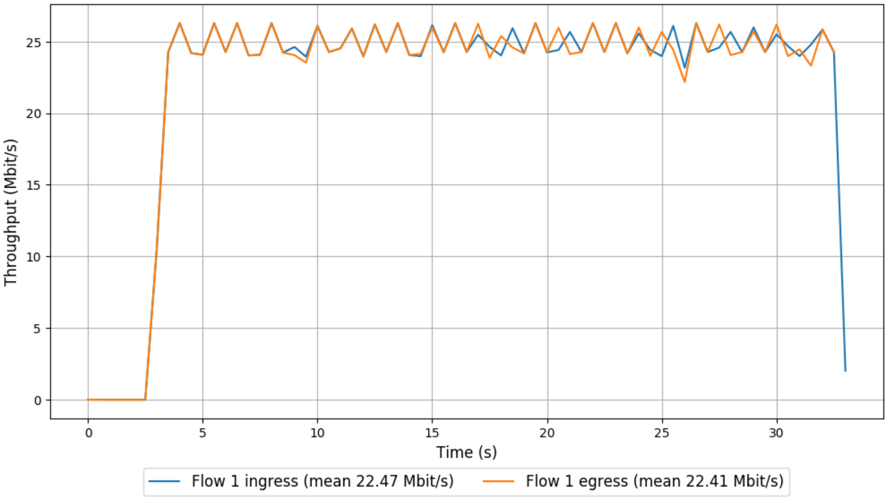
Run 7: Report of Sprout — Data Link

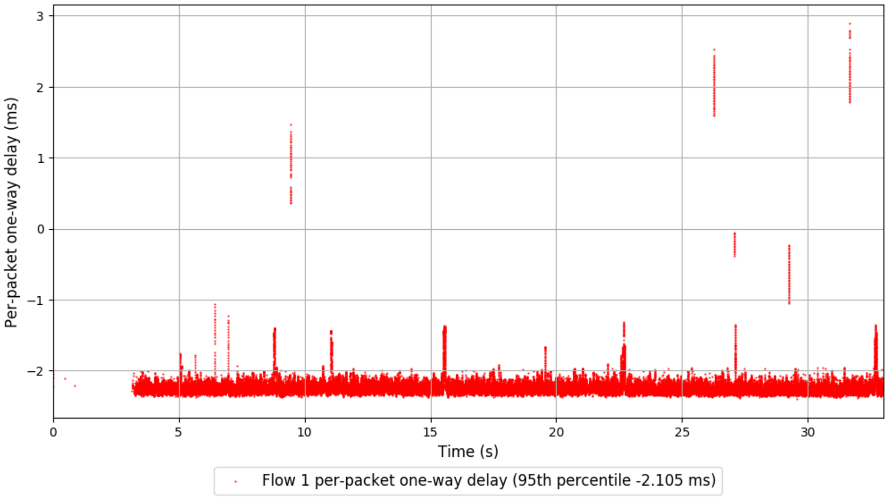




```
Run 8: Statistics of Sprout

Start at: Fri, 30 Jun 2017 00:36:16 +0000
End at: Fri, 30 Jun 2017 00:36:46 +0000
Local clock offset: -0.74 ms
Remote clock offset: -4.181 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: -2.105 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: -2.105 ms
Loss rate: 0.36%
```

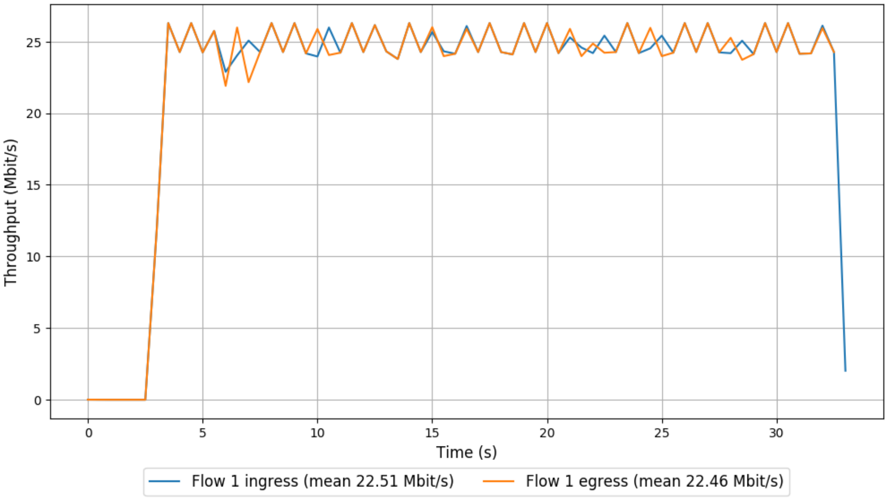
Run 8: Report of Sprout — Data Link

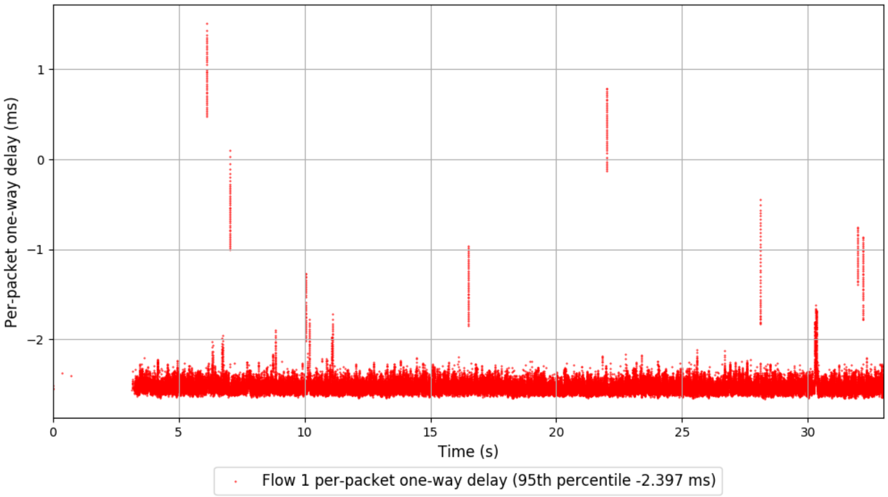




```
Run 9: Statistics of Sprout

Start at: Fri, 30 Jun 2017 00:55:54 +0000
End at: Fri, 30 Jun 2017 00:56:24 +0000
Local clock offset: -0.654 ms
Remote clock offset: -4.347 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.46 Mbit/s
95th percentile per-packet one-way delay: -2.397 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 22.46 Mbit/s
95th percentile per-packet one-way delay: -2.397 ms
Loss rate: 0.34%
```

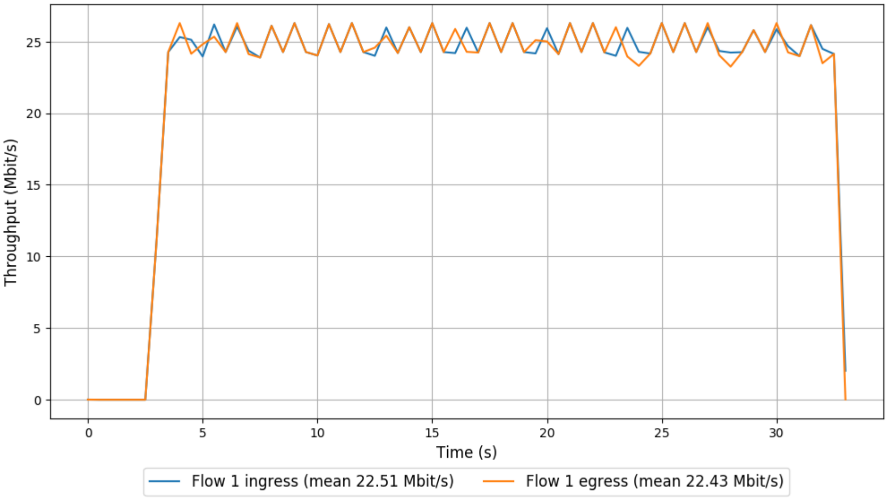
Run 9: Report of Sprout — Data Link

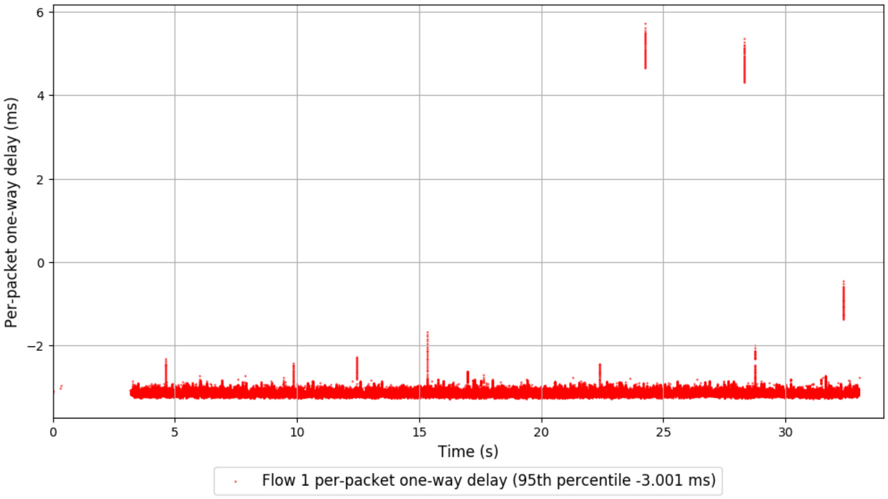




```
Run 10: Statistics of Sprout

Start at: Fri, 30 Jun 2017 01:15:28 +0000
End at: Fri, 30 Jun 2017 01:15:58 +0000
Local clock offset: -0.352 ms
Remote clock offset: -4.612 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:25:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: -3.001 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: -3.001 ms
Loss rate: 0.33%
```

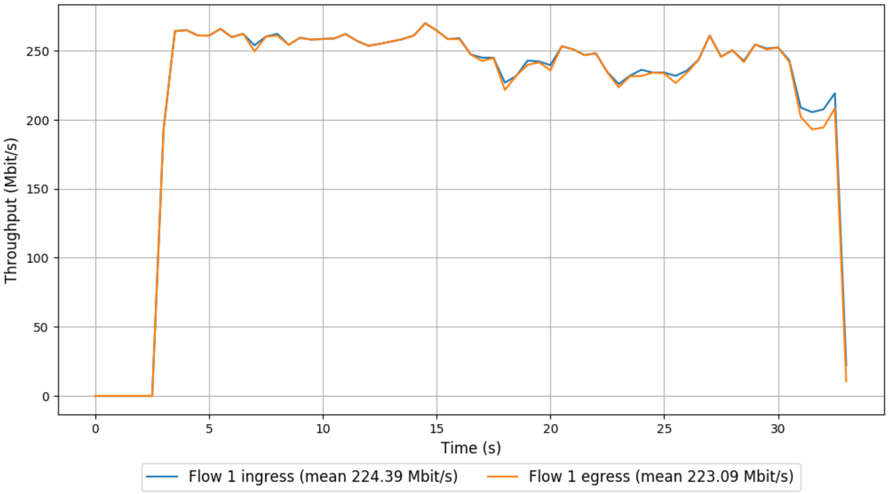
Run 10: Report of Sprout — Data Link

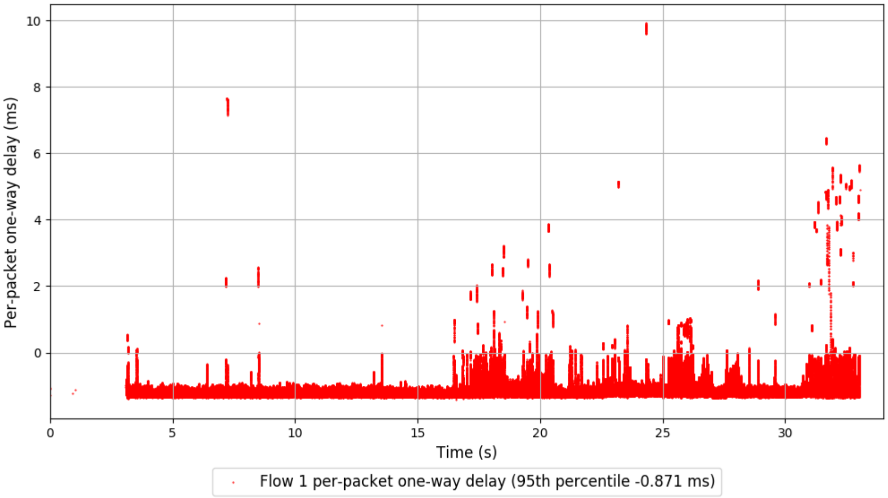




```
Run 1: Statistics of TaoVA-100x

Start at: Thu, 29 Jun 2017 22:28:46 +0000
End at: Thu, 29 Jun 2017 22:29:16 +0000
Local clock offset: -0.342 ms
Remote clock offset: -2.64 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:26:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.09 Mbit/s
95th percentile per-packet one-way delay: -0.871 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 223.09 Mbit/s
95th percentile per-packet one-way delay: -0.871 ms
Loss rate: 0.64%
```

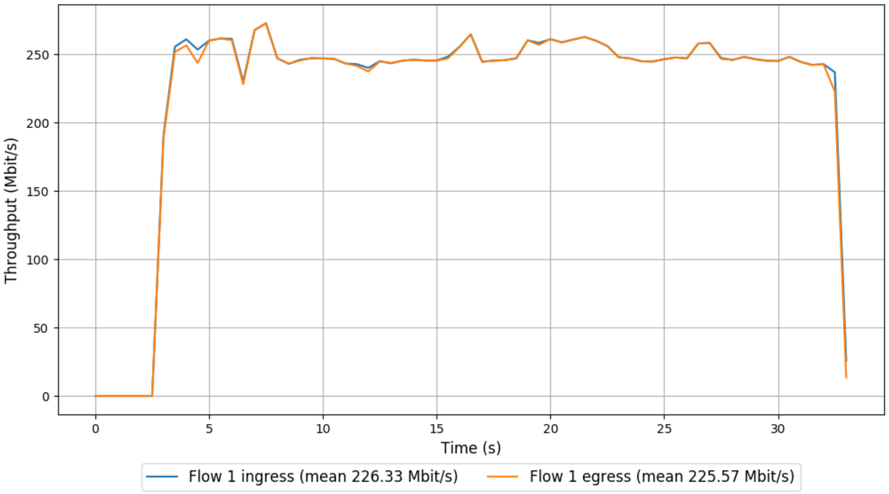
Run 1: Report of TaoVA-100x — Data Link

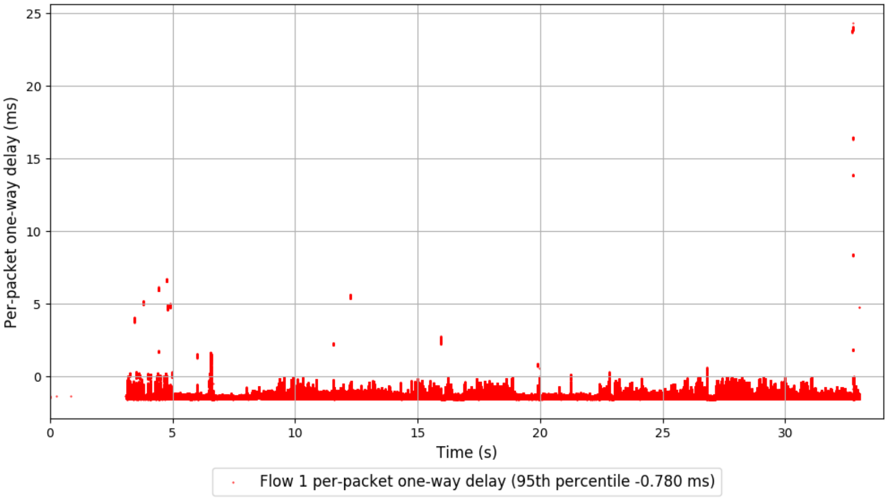




```
Run 2: Statistics of TaoVA-100x

Start at: Thu, 29 Jun 2017 22:48:11 +0000
End at: Thu, 29 Jun 2017 22:48:41 +0000
Local clock offset: -0.45 ms
Remote clock offset: -3.07 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:26:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.57 Mbit/s
95th percentile per-packet one-way delay: -0.780 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 225.57 Mbit/s
95th percentile per-packet one-way delay: -0.780 ms
Loss rate: 0.39%
```

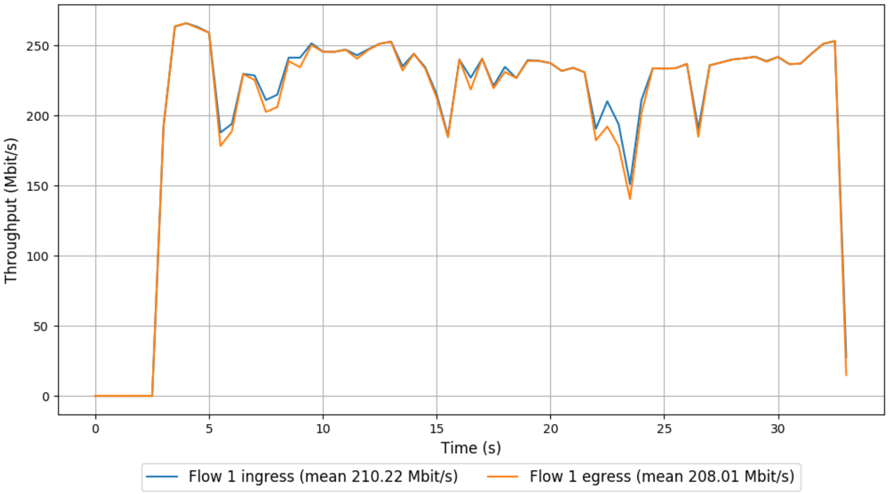
Run 2: Report of TaoVA-100x — Data Link

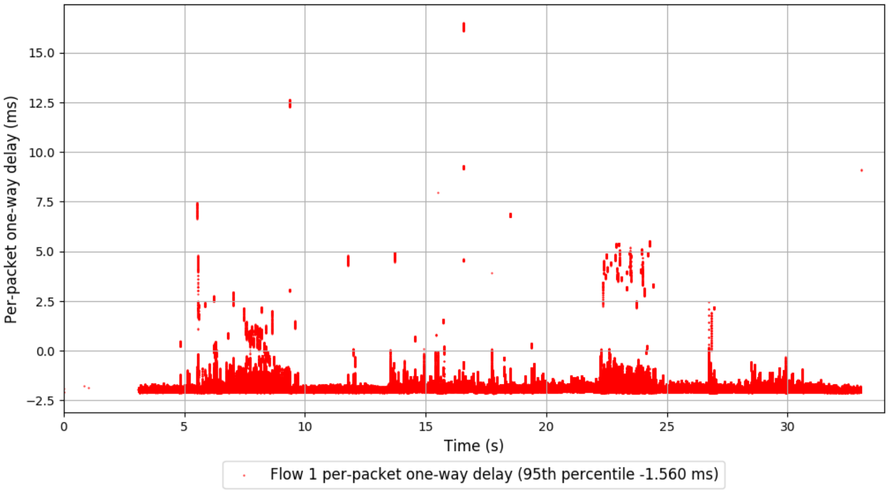




```
Run 3: Statistics of TaoVA-100x

Start at: Thu, 29 Jun 2017 23:07:57 +0000
End at: Thu, 29 Jun 2017 23:08:27 +0000
Local clock offset: -0.655 ms
Remote clock offset: -3.705 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:27:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.01 Mbit/s
95th percentile per-packet one-way delay: -1.560 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 208.01 Mbit/s
95th percentile per-packet one-way delay: -1.560 ms
Loss rate: 1.09%
```

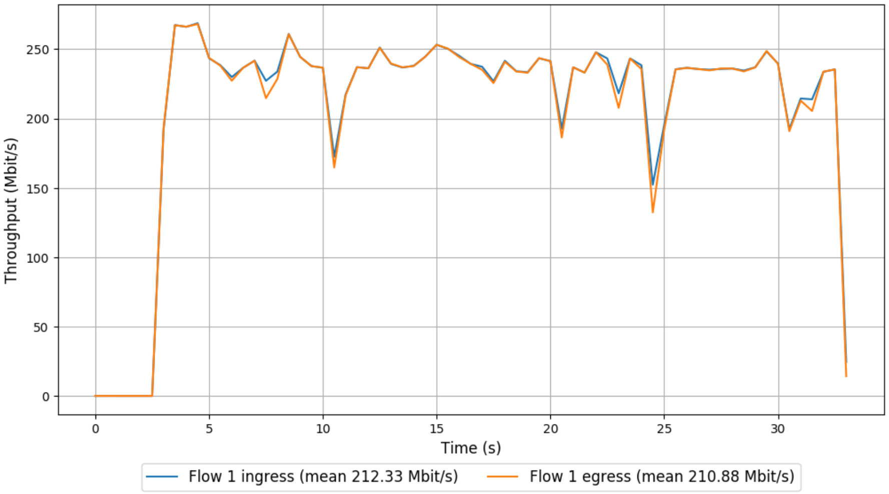
Run 3: Report of TaoVA-100x — Data Link

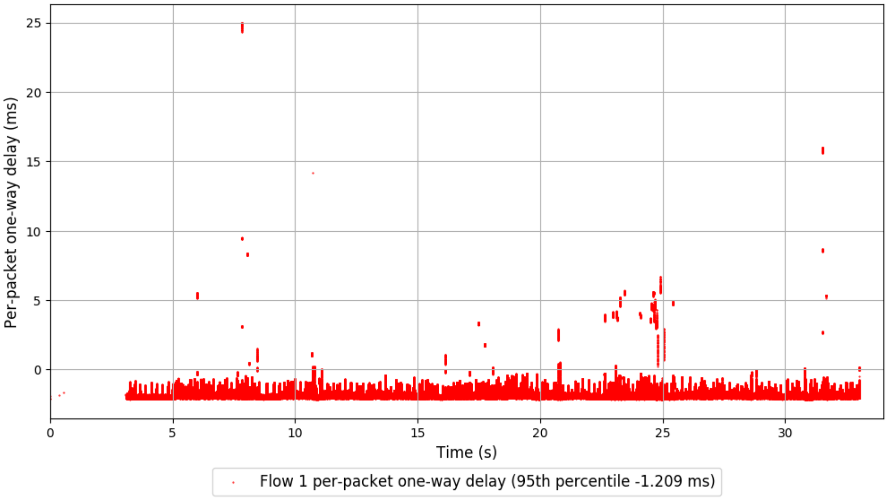




```
Run 4: Statistics of TaoVA-100x

Start at: Thu, 29 Jun 2017 23:27:23 +0000
End at: Thu, 29 Jun 2017 23:27:53 +0000
Local clock offset: -0.518 ms
Remote clock offset: -3.68 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:27:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.88 Mbit/s
95th percentile per-packet one-way delay: -1.209 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 210.88 Mbit/s
95th percentile per-packet one-way delay: -1.209 ms
Loss rate: 0.74%
```

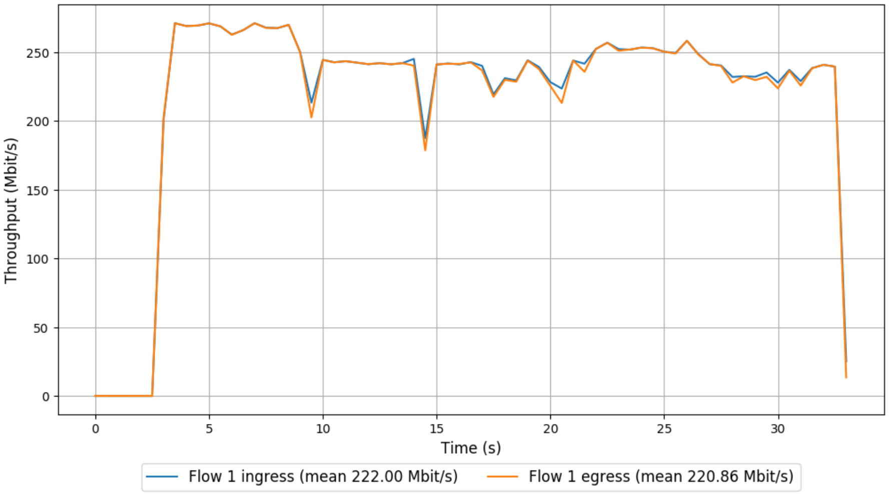
Run 4: Report of TaoVA-100x — Data Link

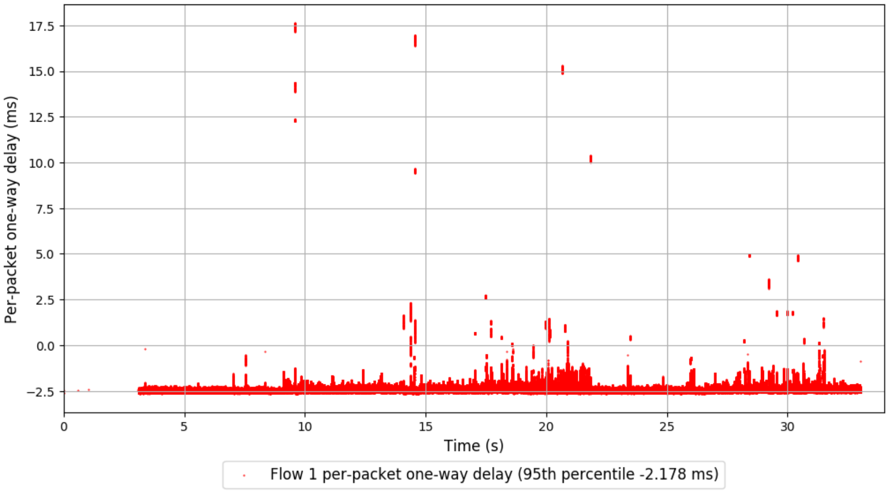




```
Run 5: Statistics of TaoVA-100x

Start at: Thu, 29 Jun 2017 23:46:45 +0000
End at: Thu, 29 Jun 2017 23:47:15 +0000
Local clock offset: -0.515 ms
Remote clock offset: -4.179 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:28:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.86 Mbit/s
95th percentile per-packet one-way delay: -2.178 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 220.86 Mbit/s
95th percentile per-packet one-way delay: -2.178 ms
Loss rate: 0.57%
```

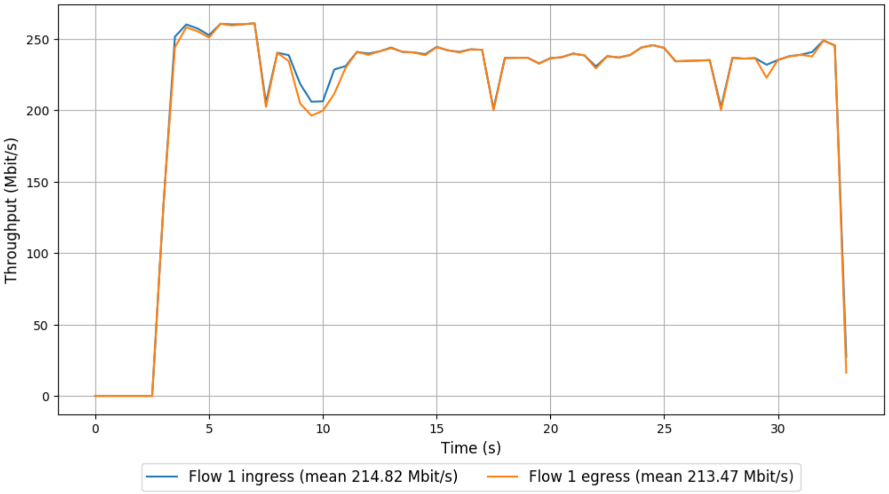
Run 5: Report of TaoVA-100x — Data Link

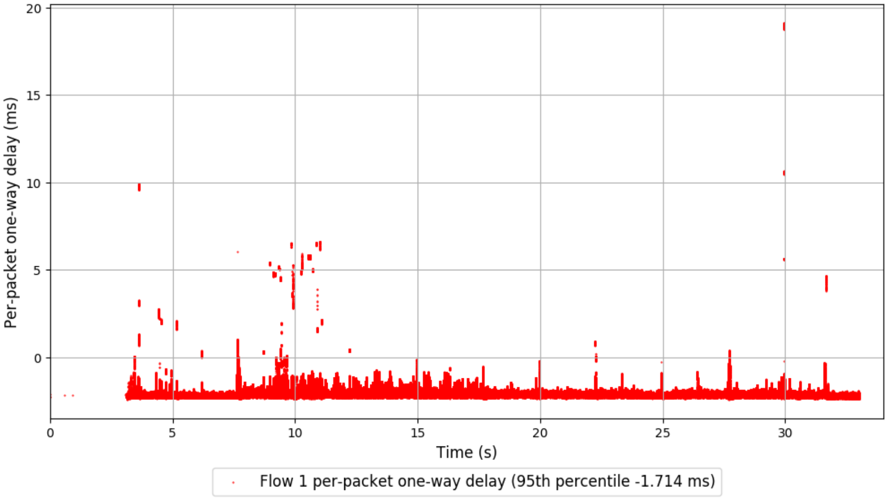




```
Run 6: Statistics of TaoVA-100x

Start at: Fri, 30 Jun 2017 00:06:21 +0000
End at: Fri, 30 Jun 2017 00:06:51 +0000
Local clock offset: -0.717 ms
Remote clock offset: -4.036 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:28:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.47 Mbit/s
95th percentile per-packet one-way delay: -1.714 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 213.47 Mbit/s
95th percentile per-packet one-way delay: -1.714 ms
Loss rate: 0.69%
```

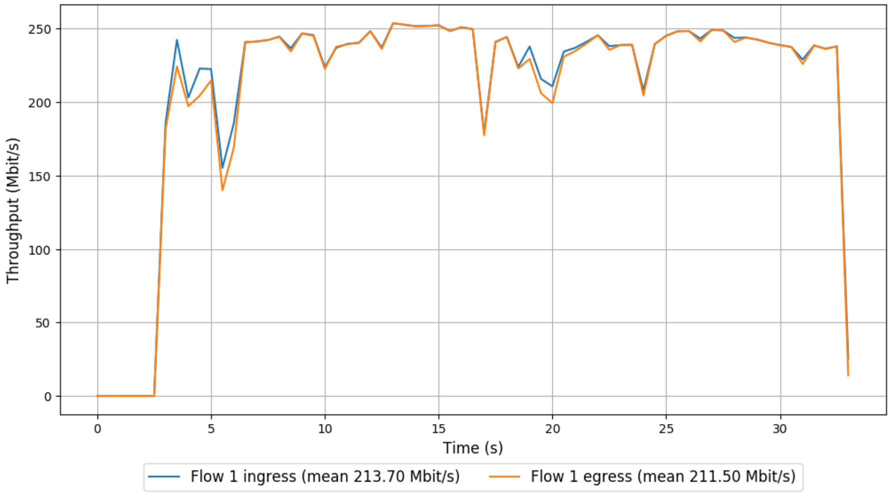
Run 6: Report of TaoVA-100x — Data Link

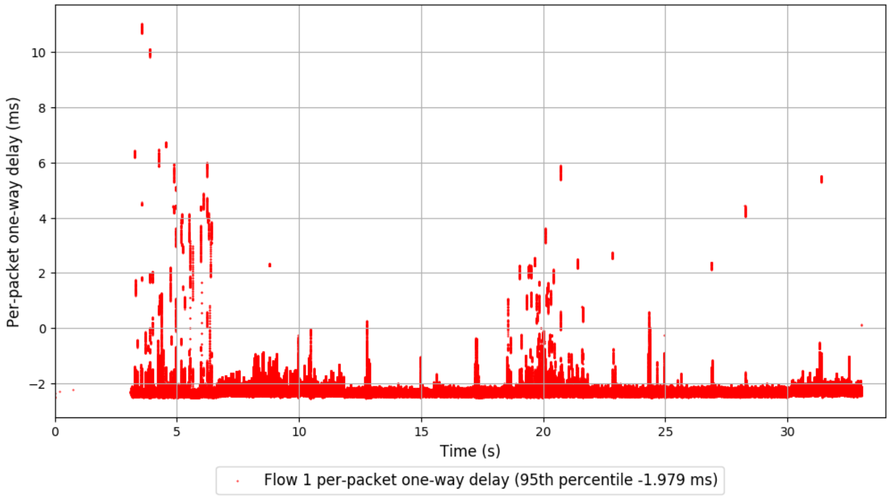




```
Run 7: Statistics of TaoVA-100x

Start at: Fri, 30 Jun 2017 00:25:44 +0000
End at: Fri, 30 Jun 2017 00:26:14 +0000
Local clock offset: -0.888 ms
Remote clock offset: -4.256 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:29:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.50 Mbit/s
95th percentile per-packet one-way delay: -1.979 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 211.50 Mbit/s
95th percentile per-packet one-way delay: -1.979 ms
Loss rate: 1.09%
```

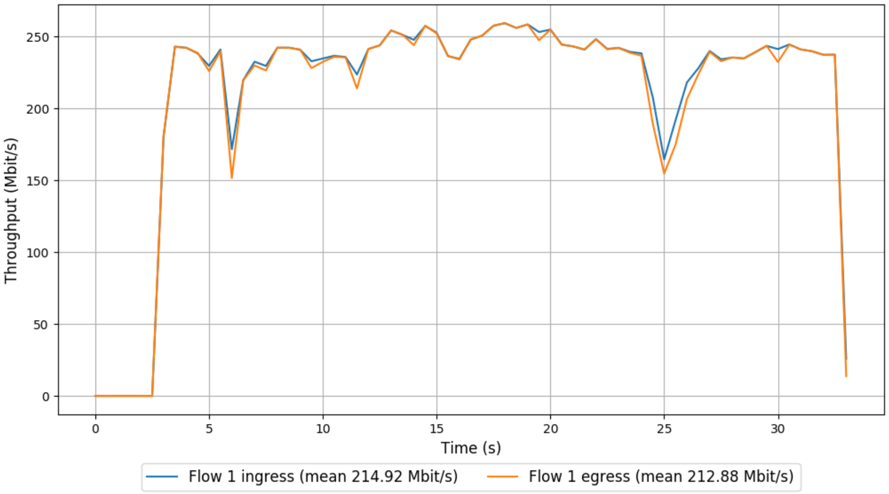
Run 7: Report of TaoVA-100x — Data Link

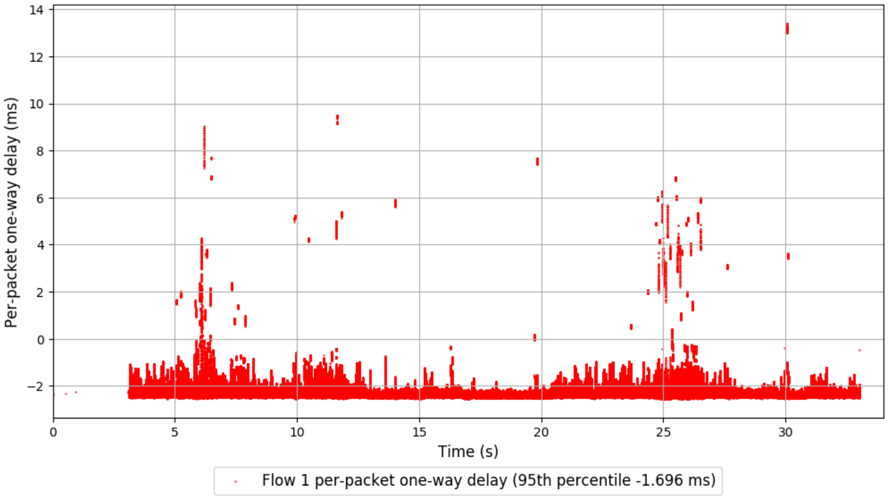




```
Run 8: Statistics of TaoVA-100x

Start at: Fri, 30 Jun 2017 00:44:58 +0000
End at: Fri, 30 Jun 2017 00:45:28 +0000
Local clock offset: -0.811 ms
Remote clock offset: -4.258 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:29:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.88 Mbit/s
95th percentile per-packet one-way delay: -1.696 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 212.88 Mbit/s
95th percentile per-packet one-way delay: -1.696 ms
Loss rate: 1.01%
```

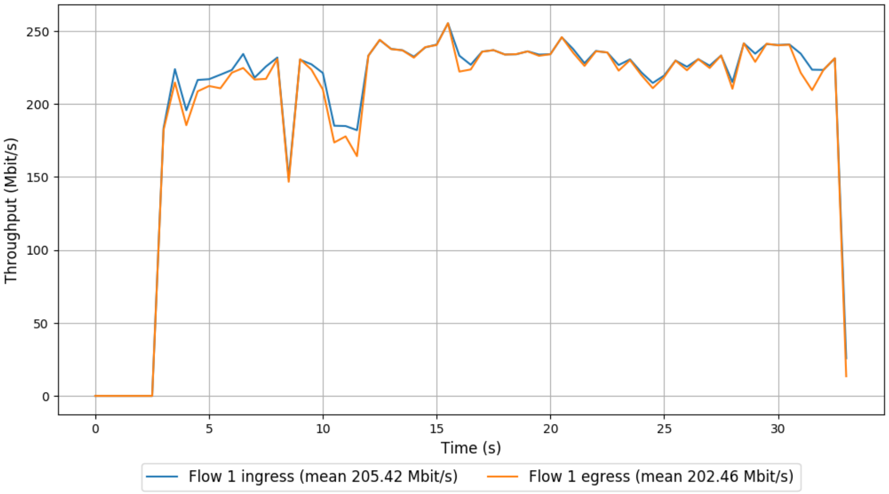
Run 8: Report of TaoVA-100x — Data Link

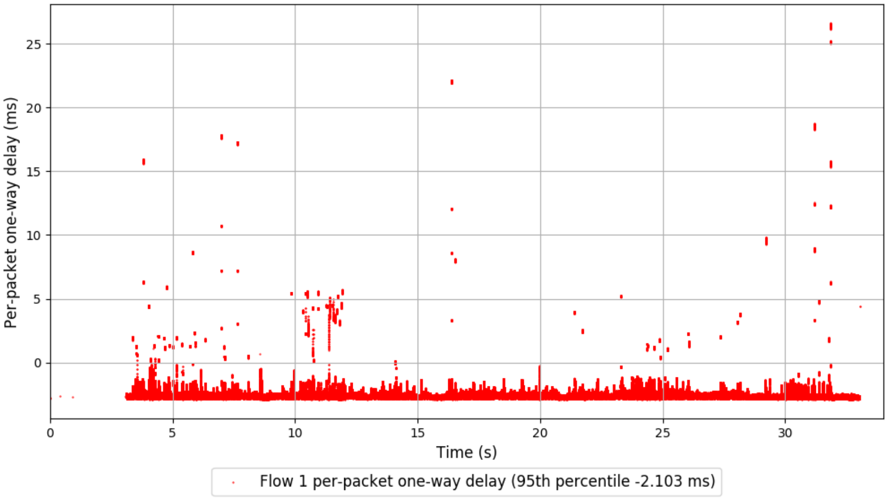




```
Run 9: Statistics of TaoVA-100x

Start at: Fri, 30 Jun 2017 01:04:39 +0000
End at: Fri, 30 Jun 2017 01:05:09 +0000
Local clock offset: -0.559 ms
Remote clock offset: -4.5 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:30:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.46 Mbit/s
95th percentile per-packet one-way delay: -2.103 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 202.46 Mbit/s
95th percentile per-packet one-way delay: -2.103 ms
Loss rate: 1.49%
```

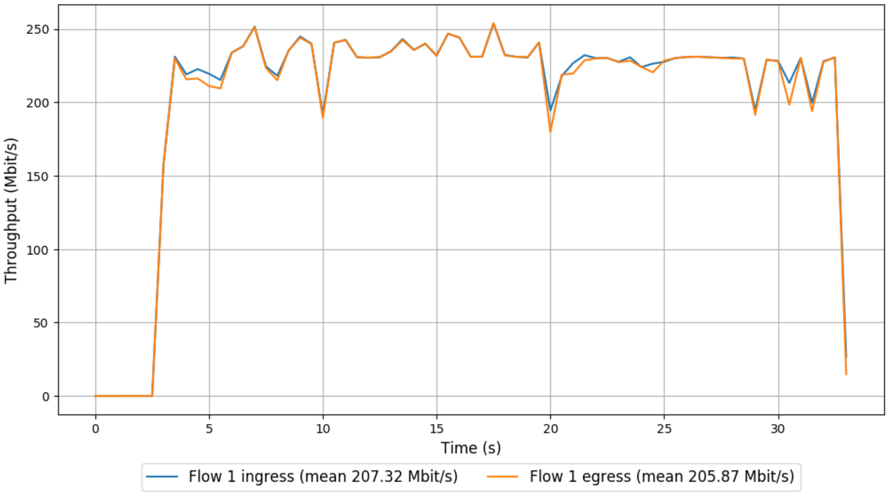
Run 9: Report of TaoVA-100x — Data Link

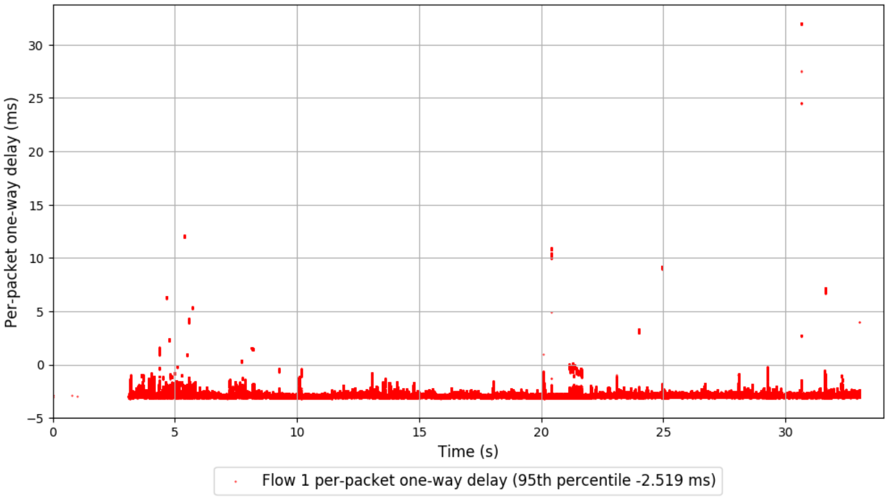




```
Run 10: Statistics of TaoVA-100x

Start at: Fri, 30 Jun 2017 01:24:13 +0000
End at: Fri, 30 Jun 2017 01:24:43 +0000
Local clock offset: -0.223 ms
Remote clock offset: -4.444 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:30:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.87 Mbit/s
95th percentile per-packet one-way delay: -2.519 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 205.87 Mbit/s
95th percentile per-packet one-way delay: -2.519 ms
Loss rate: 0.75%
```

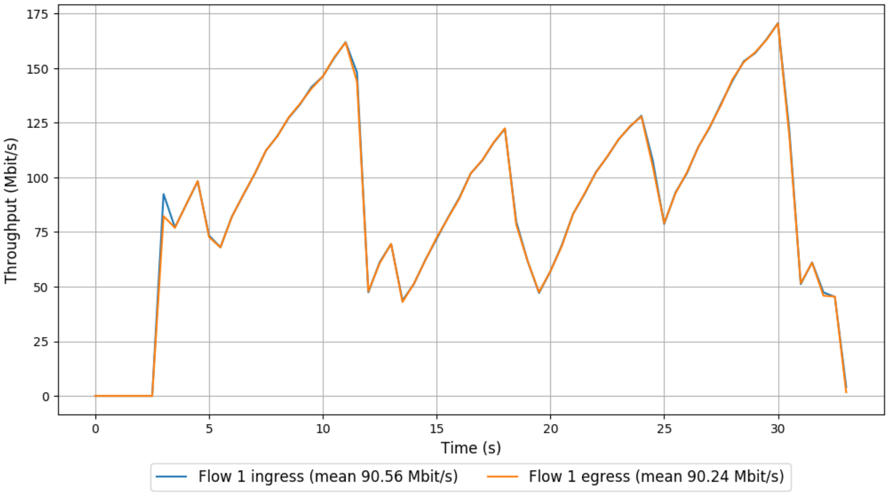
Run 10: Report of TaoVA-100x — Data Link

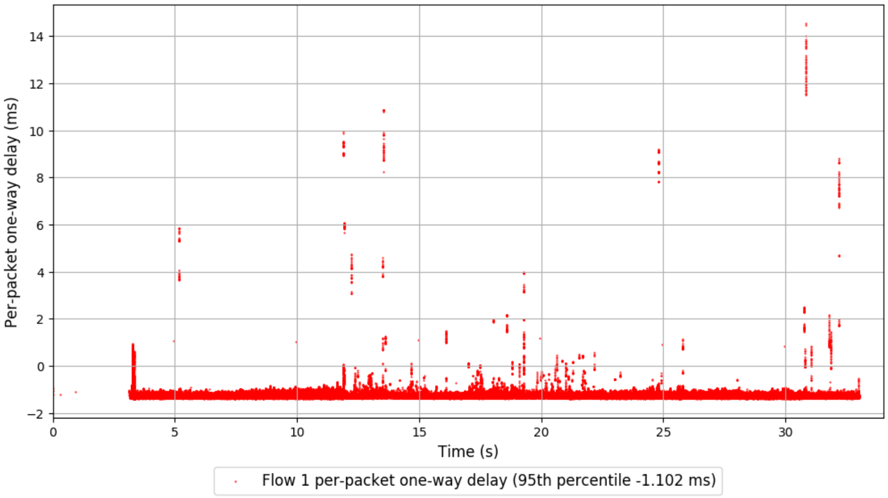




```
Run 1: Statistics of TCP Vegas

Start at: Thu, 29 Jun 2017 22:24:51 +0000
End at: Thu, 29 Jun 2017 22:25:21 +0000
Local clock offset: -0.208 ms
Remote clock offset: -2.637 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:30:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.24 Mbit/s
95th percentile per-packet one-way delay: -1.102 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 90.24 Mbit/s
95th percentile per-packet one-way delay: -1.102 ms
Loss rate: 0.42%
```

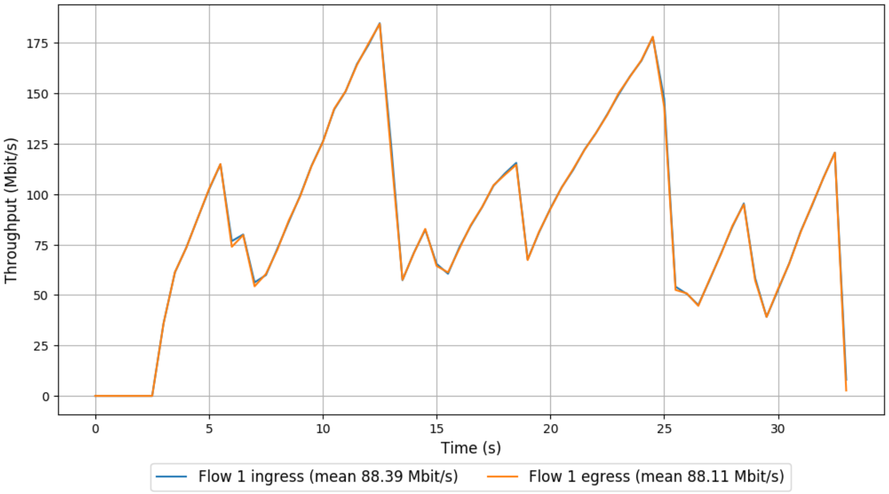
Run 1: Report of TCP Vegas — Data Link

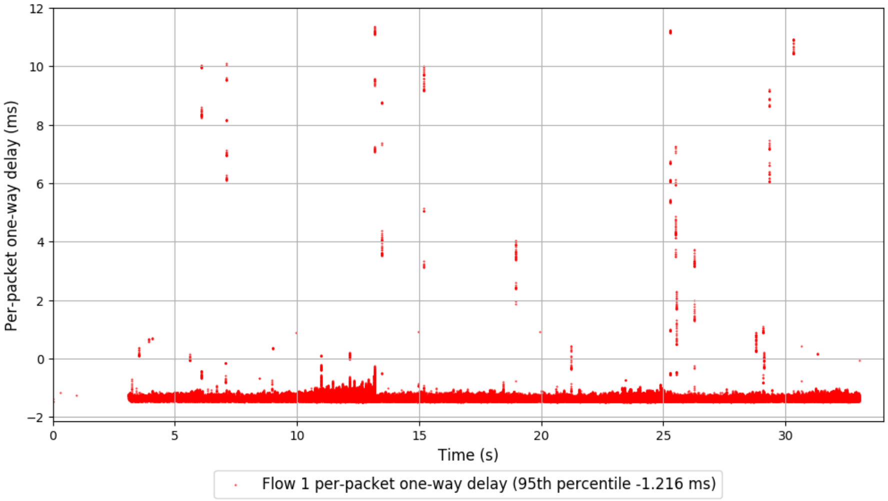




```
Run 2: Statistics of TCP Vegas

Start at: Thu, 29 Jun 2017 22:44:14 +0000
End at: Thu, 29 Jun 2017 22:44:44 +0000
Local clock offset: -0.531 ms
Remote clock offset: -2.97 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:30:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: -1.216 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 88.11 Mbit/s
95th percentile per-packet one-way delay: -1.216 ms
Loss rate: 0.37%
```

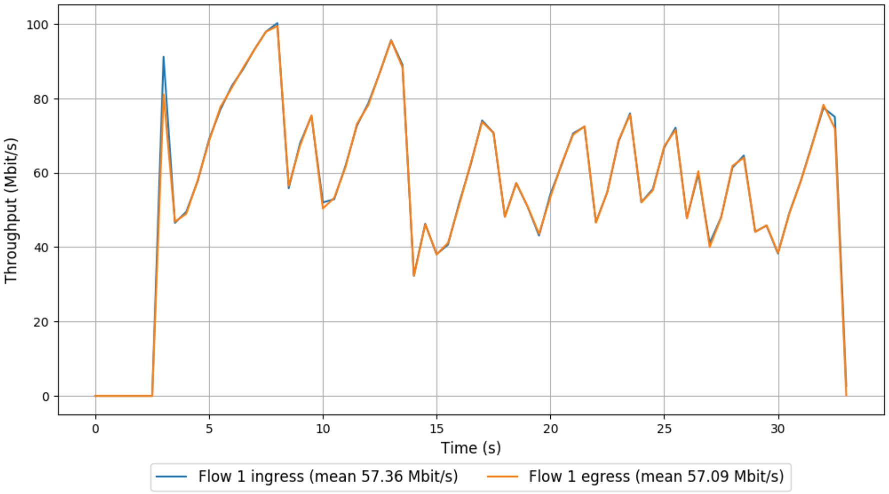
Run 2: Report of TCP Vegas — Data Link

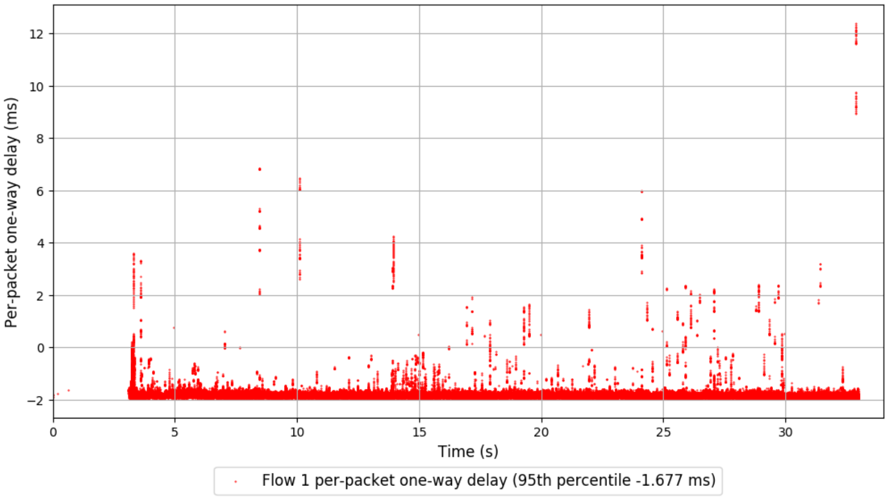




```
Run 3: Statistics of TCP Vegas

Start at: Thu, 29 Jun 2017 23:03:59 +0000
End at: Thu, 29 Jun 2017 23:04:29 +0000
Local clock offset: -0.632 ms
Remote clock offset: -3.566 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:30:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: -1.677 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: -1.677 ms
Loss rate: 0.52%
```

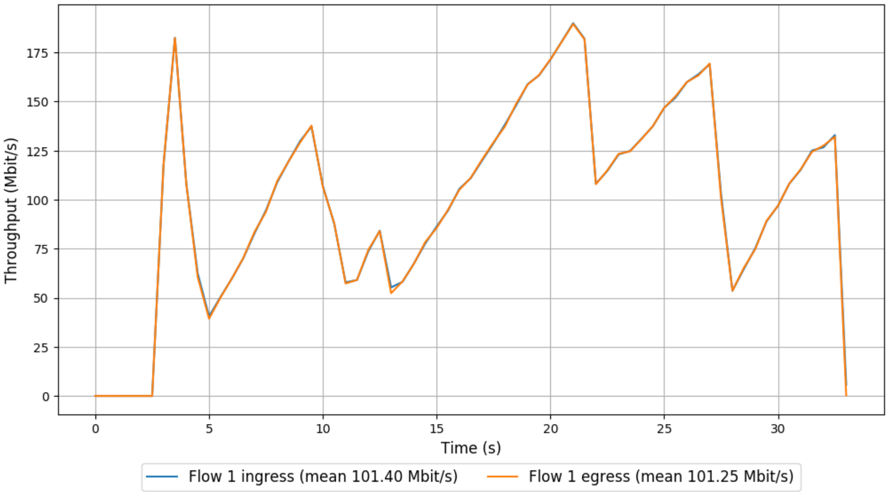
Run 3: Report of TCP Vegas — Data Link

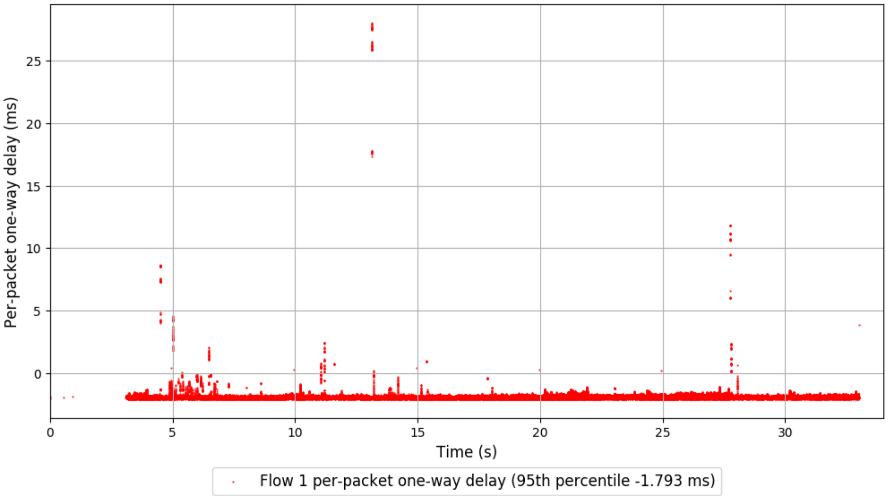




```
Run 4: Statistics of TCP Vegas

Start at: Thu, 29 Jun 2017 23:23:18 +0000
End at: Thu, 29 Jun 2017 23:23:48 +0000
Local clock offset: -0.628 ms
Remote clock offset: -3.593 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:30:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.25 Mbit/s
95th percentile per-packet one-way delay: -1.793 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 101.25 Mbit/s
95th percentile per-packet one-way delay: -1.793 ms
Loss rate: 0.19%
```

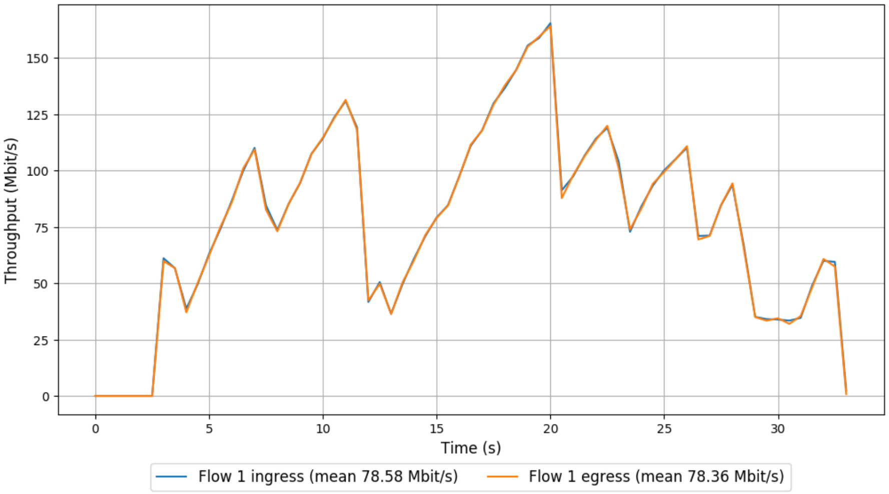
Run 4: Report of TCP Vegas — Data Link

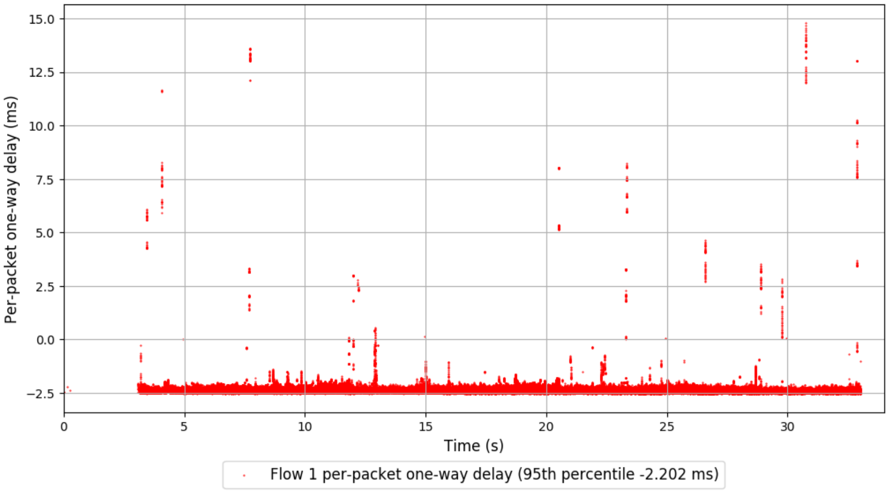




```
Run 5: Statistics of TCP Vegas

Start at: Thu, 29 Jun 2017 23:42:50 +0000
End at: Thu, 29 Jun 2017 23:43:20 +0000
Local clock offset: -0.591 ms
Remote clock offset: -4.09 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:30:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: -2.202 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: -2.202 ms
Loss rate: 0.33%
```

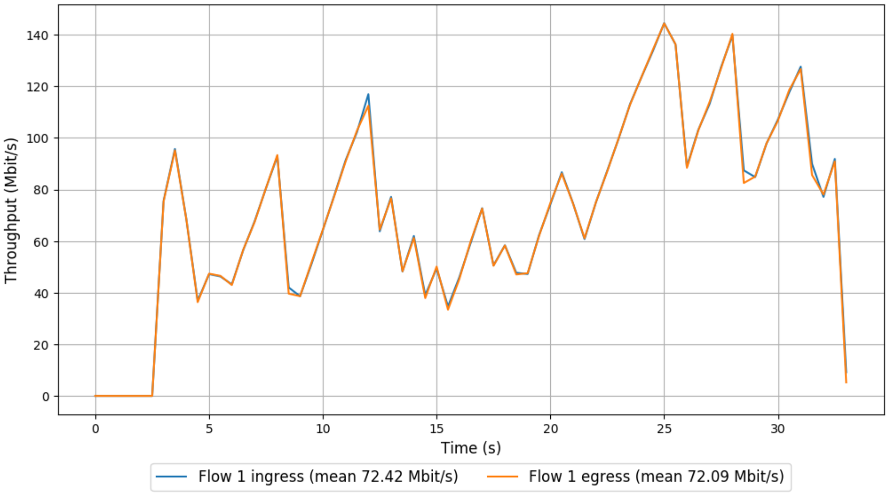
Run 5: Report of TCP Vegas — Data Link

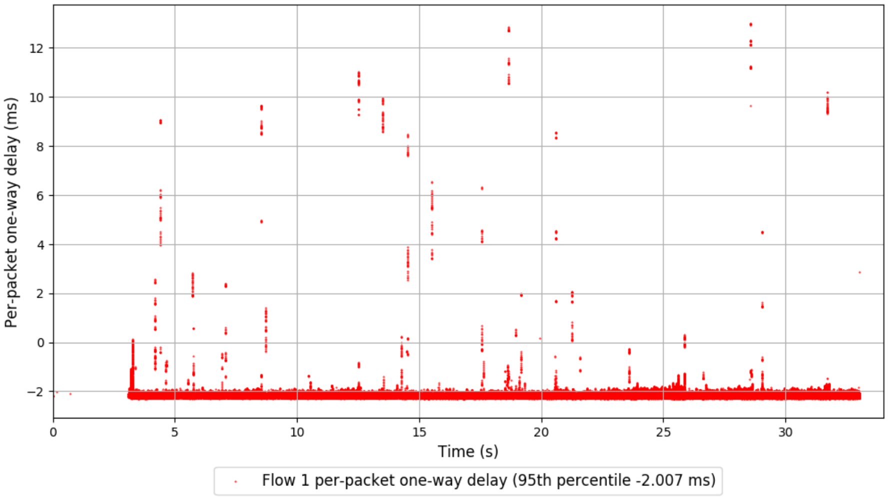




```
Run 6: Statistics of TCP Vegas

Start at: Fri, 30 Jun 2017 00:02:27 +0000
End at: Fri, 30 Jun 2017 00:02:57 +0000
Local clock offset: -0.599 ms
Remote clock offset: -3.926 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:31:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.09 Mbit/s
95th percentile per-packet one-way delay: -2.007 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 72.09 Mbit/s
95th percentile per-packet one-way delay: -2.007 ms
Loss rate: 0.49%
```

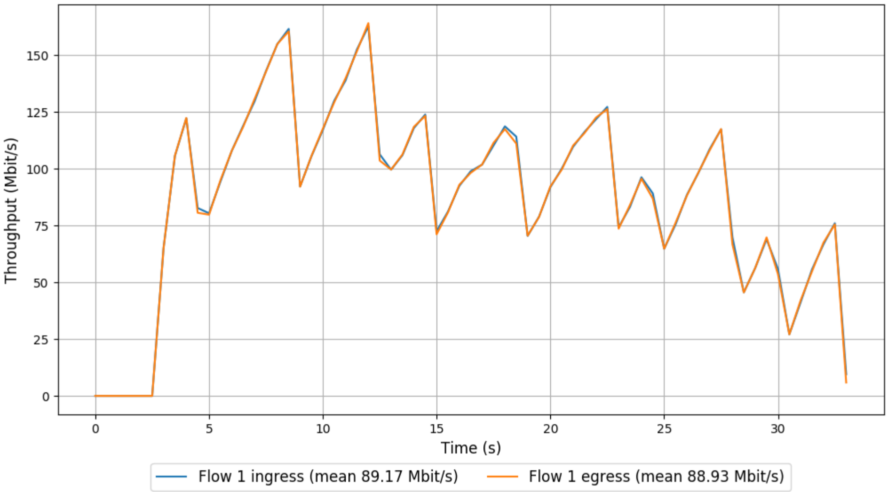
Run 6: Report of TCP Vegas — Data Link

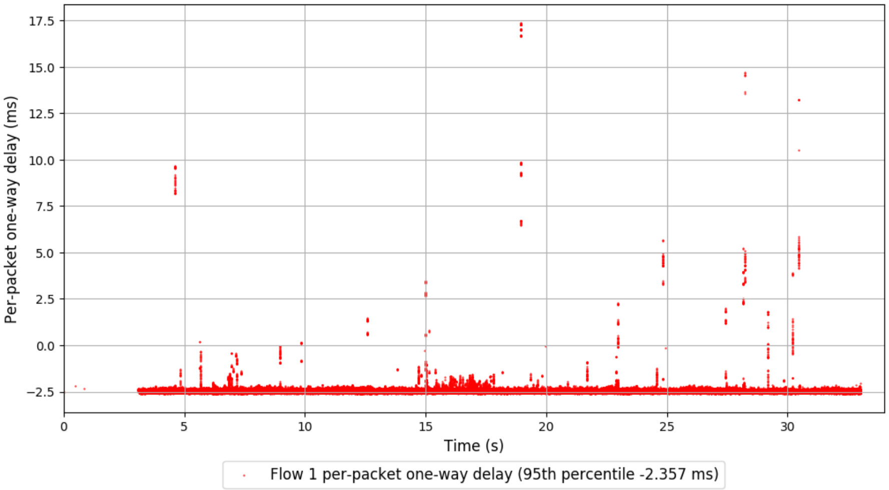




```
Run 7: Statistics of TCP Vegas

Start at: Fri, 30 Jun 2017 00:21:48 +0000
End at: Fri, 30 Jun 2017 00:22:18 +0000
Local clock offset: -0.777 ms
Remote clock offset: -4.411 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:31:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: -2.357 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: -2.357 ms
Loss rate: 0.32%
```

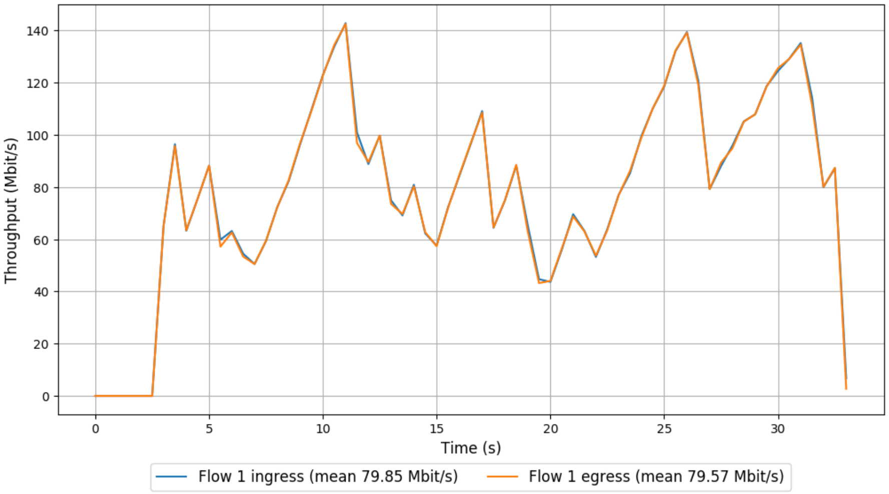
Run 7: Report of TCP Vegas — Data Link

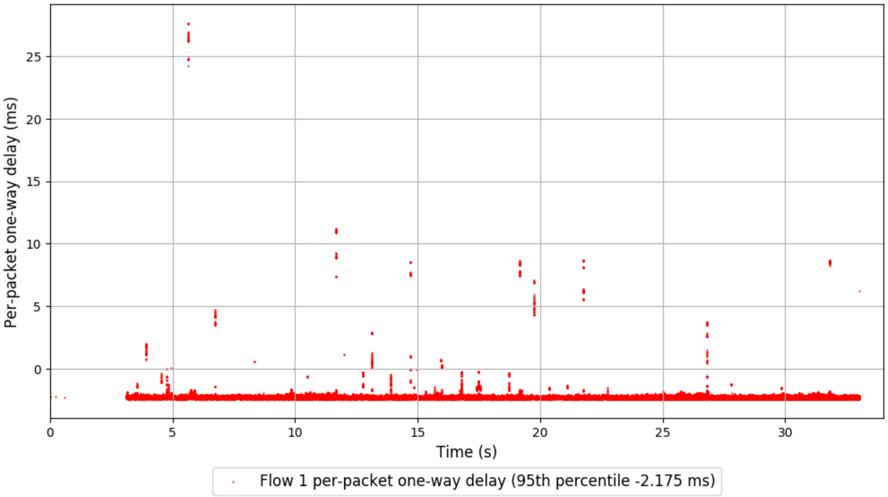




```
Run 8: Statistics of TCP Vegas

Start at: Fri, 30 Jun 2017 00:41:08 +0000
End at: Fri, 30 Jun 2017 00:41:38 +0000
Local clock offset: -0.747 ms
Remote clock offset: -4.229 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:31:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.57 Mbit/s
95th percentile per-packet one-way delay: -2.175 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 79.57 Mbit/s
95th percentile per-packet one-way delay: -2.175 ms
Loss rate: 0.38%
```

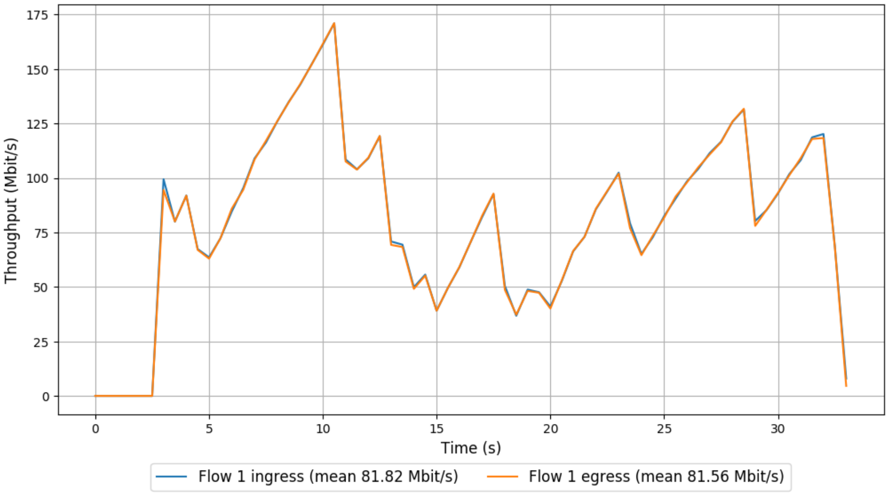
Run 8: Report of TCP Vegas — Data Link

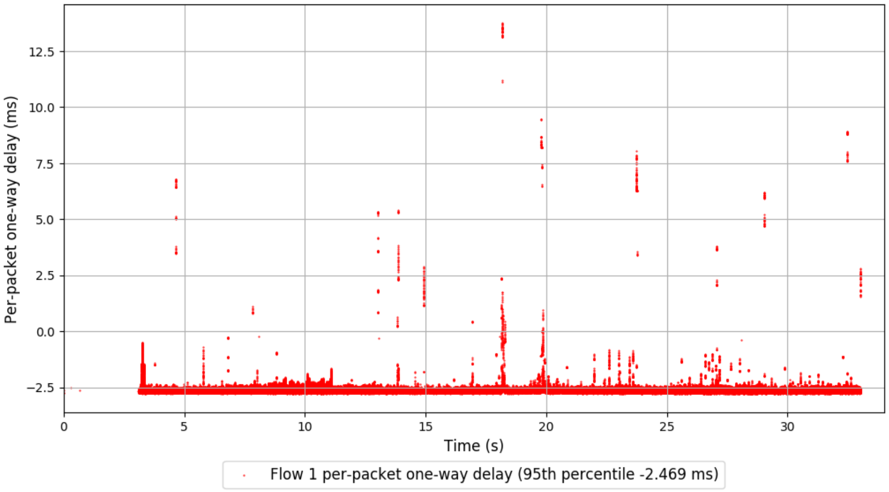




```
Run 9: Statistics of TCP Vegas

Start at: Fri, 30 Jun 2017 01:00:44 +0000
End at: Fri, 30 Jun 2017 01:01:14 +0000
Local clock offset: -0.7 ms
Remote clock offset: -4.418 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:31:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.56 Mbit/s
95th percentile per-packet one-way delay: -2.469 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 81.56 Mbit/s
95th percentile per-packet one-way delay: -2.469 ms
Loss rate: 0.38%
```

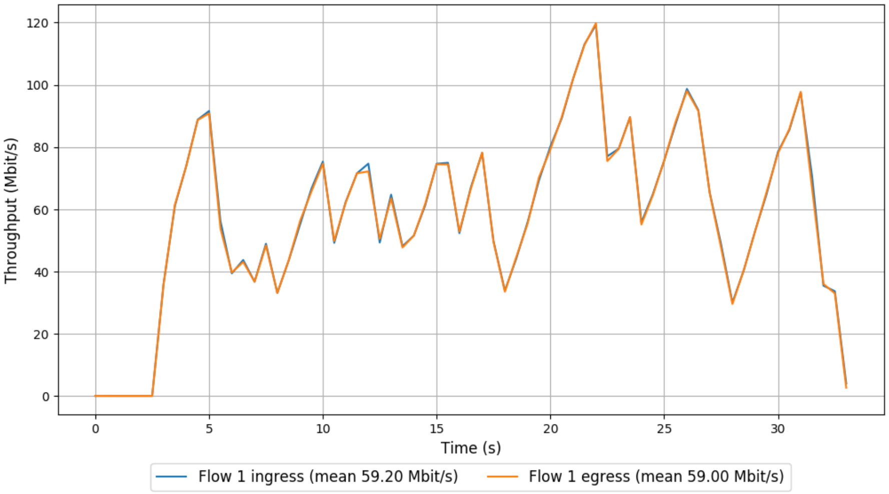
Run 9: Report of TCP Vegas — Data Link

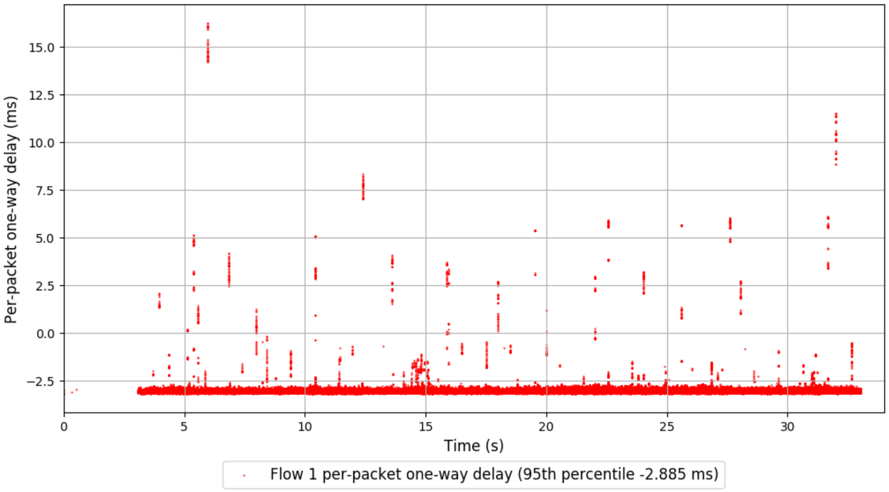




```
Run 10: Statistics of TCP Vegas

Start at: Fri, 30 Jun 2017 01:20:18 +0000
End at: Fri, 30 Jun 2017 01:20:48 +0000
Local clock offset: -0.293 ms
Remote clock offset: -4.471 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:31:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: -2.885 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: -2.885 ms
Loss rate: 0.40%
```

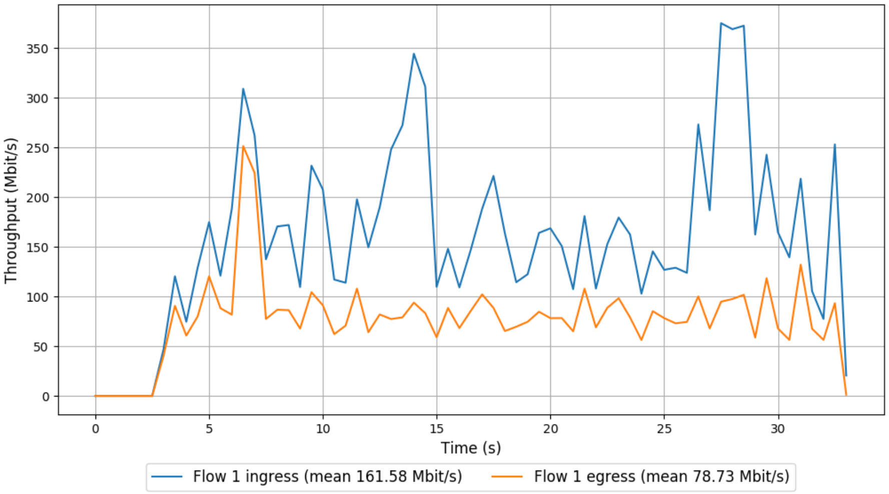
Run 10: Report of TCP Vegas — Data Link

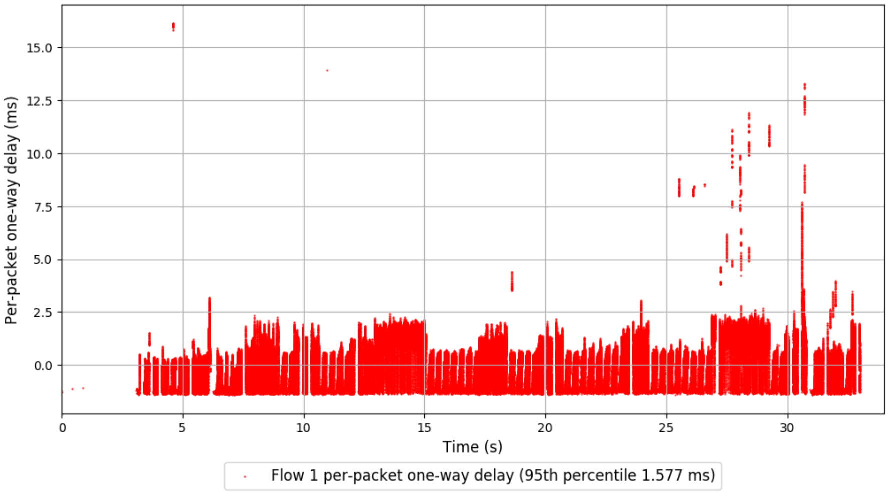




```
Run 1: Statistics of Verus

Start at: Thu, 29 Jun 2017 22:18:41 +0000
End at: Thu, 29 Jun 2017 22:19:11 +0000
Local clock offset: -0.31 ms
Remote clock offset: -2.654 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:31:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: 1.577 ms
Loss rate: 51.30%
-- Flow 1:
Average throughput: 78.73 Mbit/s
95th percentile per-packet one-way delay: 1.577 ms
Loss rate: 51.30%
```

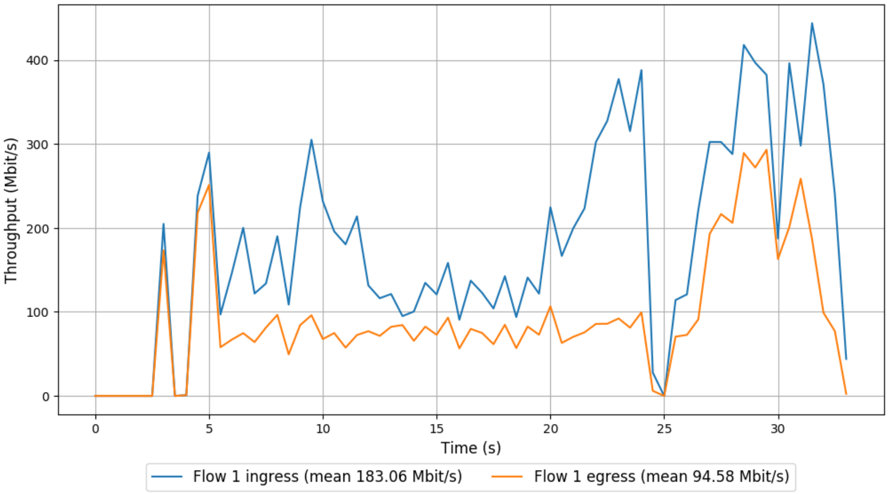
Run 1: Report of Verus — Data Link

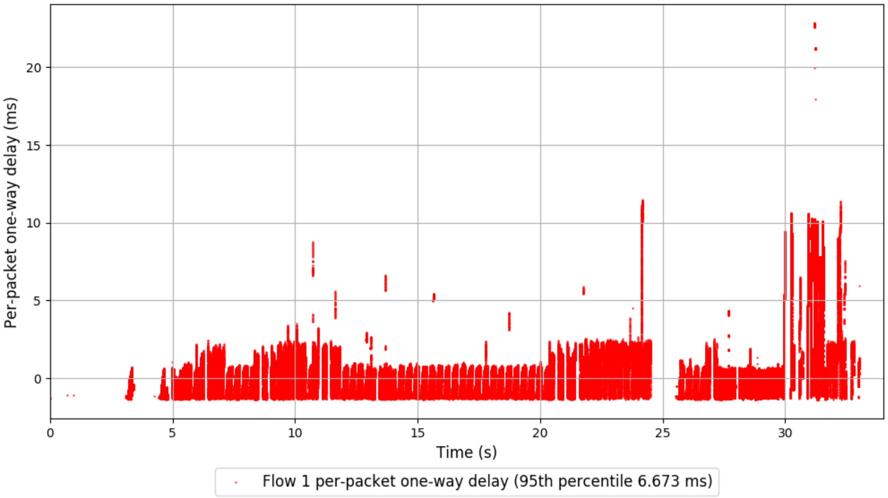




```
Run 2: Statistics of Verus

Start at: Thu, 29 Jun 2017 22:38:03 +0000
End at: Thu, 29 Jun 2017 22:38:33 +0000
Local clock offset: -0.454 ms
Remote clock offset: -2.833 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:31:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 6.673 ms
Loss rate: 48.36%
-- Flow 1:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 6.673 ms
Loss rate: 48.36%
```

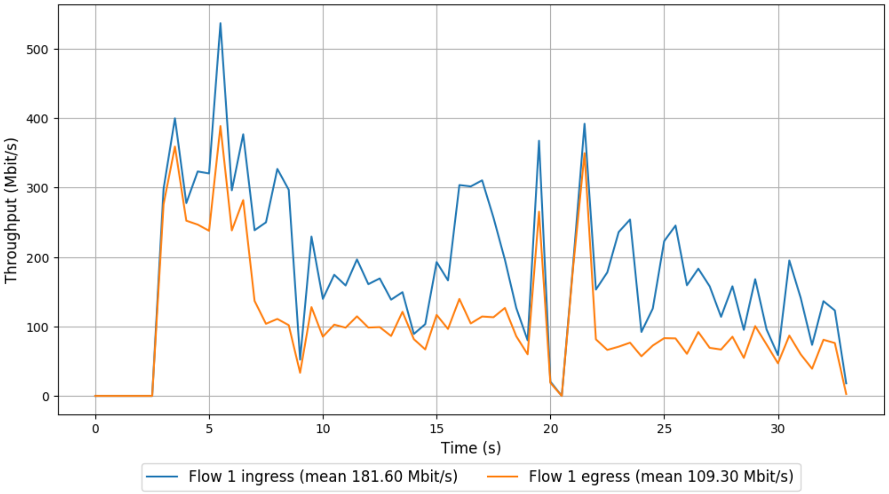
Run 2: Report of Verus — Data Link

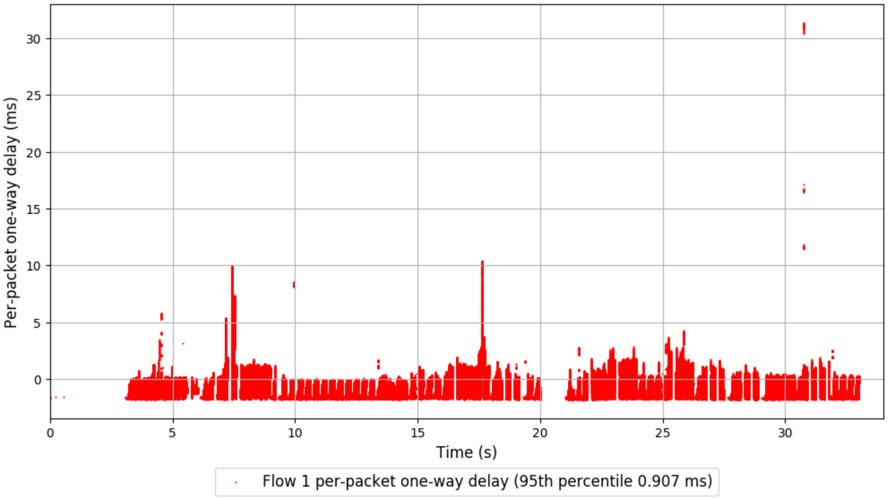




```
Run 3: Statistics of Verus

Start at: Thu, 29 Jun 2017 22:57:49 +0000
End at: Thu, 29 Jun 2017 22:58:19 +0000
Local clock offset: -0.515 ms
Remote clock offset: -3.315 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:31:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.30 Mbit/s
95th percentile per-packet one-way delay: 0.907 ms
Loss rate: 39.85%
-- Flow 1:
Average throughput: 109.30 Mbit/s
95th percentile per-packet one-way delay: 0.907 ms
Loss rate: 39.85%
```

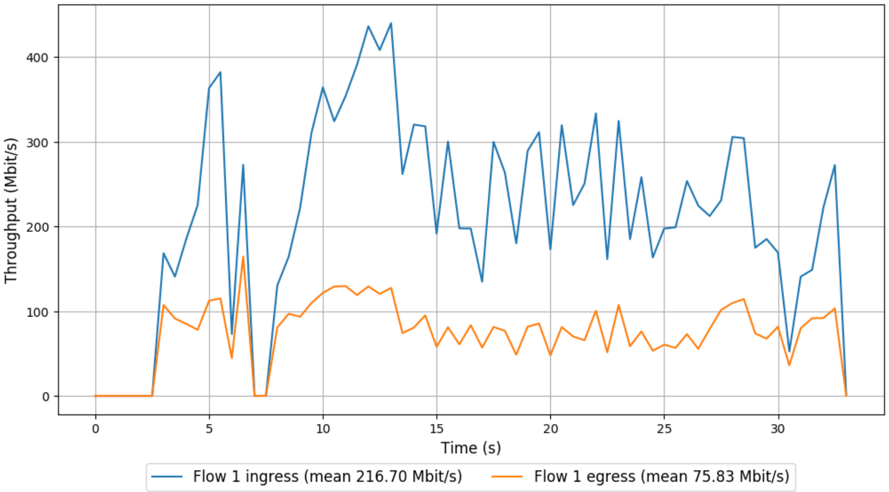
Run 3: Report of Verus — Data Link

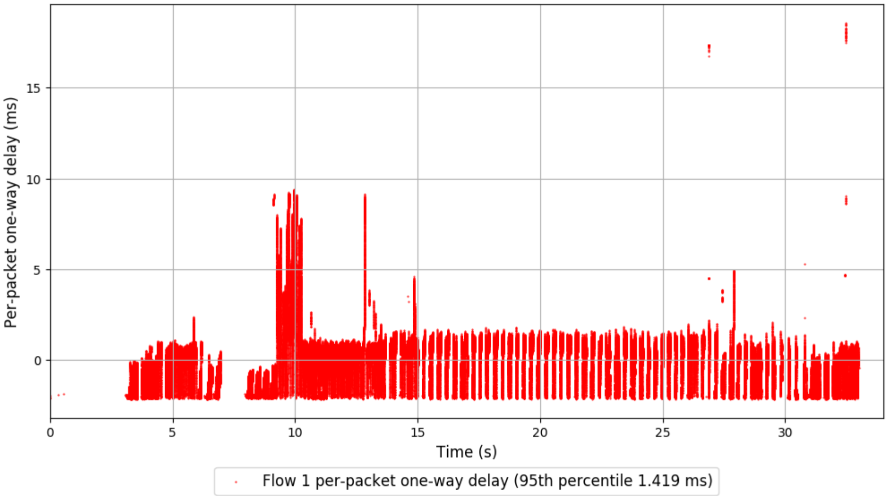




```
Run 4: Statistics of Verus

Start at: Thu, 29 Jun 2017 23:17:09 +0000
End at: Thu, 29 Jun 2017 23:17:39 +0000
Local clock offset: -0.66 ms
Remote clock offset: -3.651 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:32:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.83 Mbit/s
95th percentile per-packet one-way delay: 1.419 ms
Loss rate: 65.01%
-- Flow 1:
Average throughput: 75.83 Mbit/s
95th percentile per-packet one-way delay: 1.419 ms
Loss rate: 65.01%
```

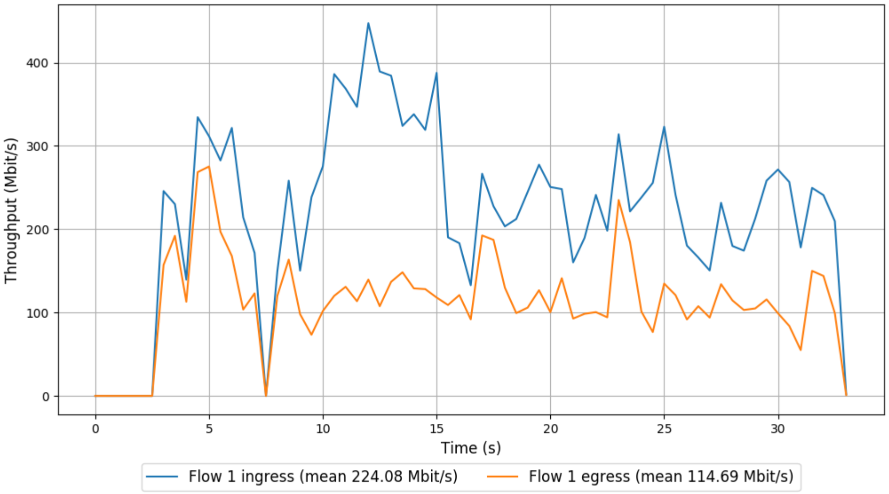
Run 4: Report of Verus — Data Link

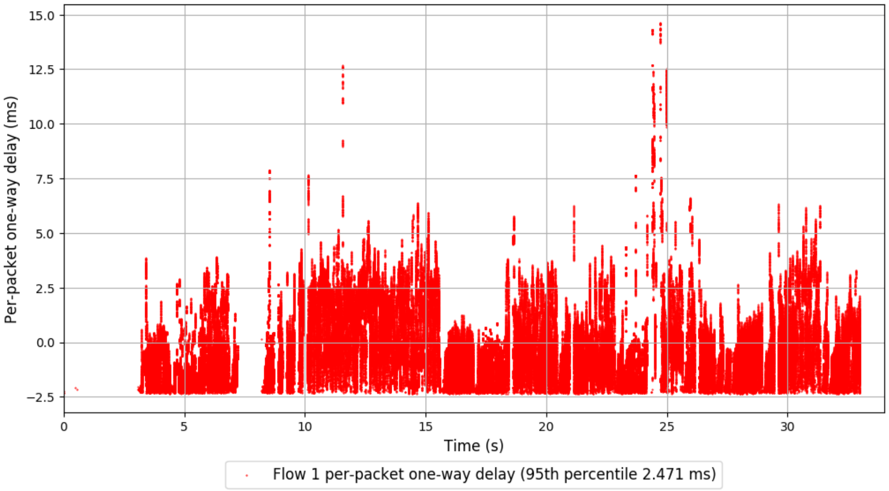




```
Run 5: Statistics of Verus

Start at: Thu, 29 Jun 2017 23:36:38 +0000
End at: Thu, 29 Jun 2017 23:37:08 +0000
Local clock offset: -0.622 ms
Remote clock offset: -3.885 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:32:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.69 Mbit/s
95th percentile per-packet one-way delay: 2.471 ms
Loss rate: 48.84%
-- Flow 1:
Average throughput: 114.69 Mbit/s
95th percentile per-packet one-way delay: 2.471 ms
Loss rate: 48.84%
```

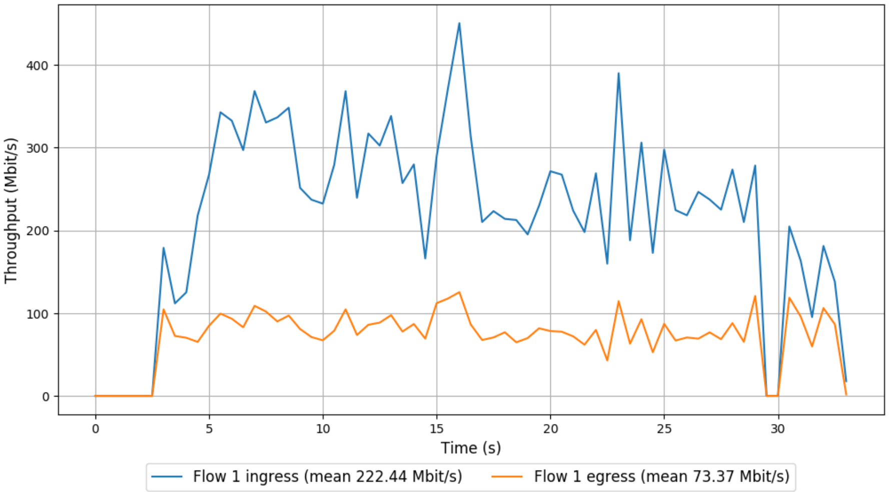
Run 5: Report of Verus — Data Link

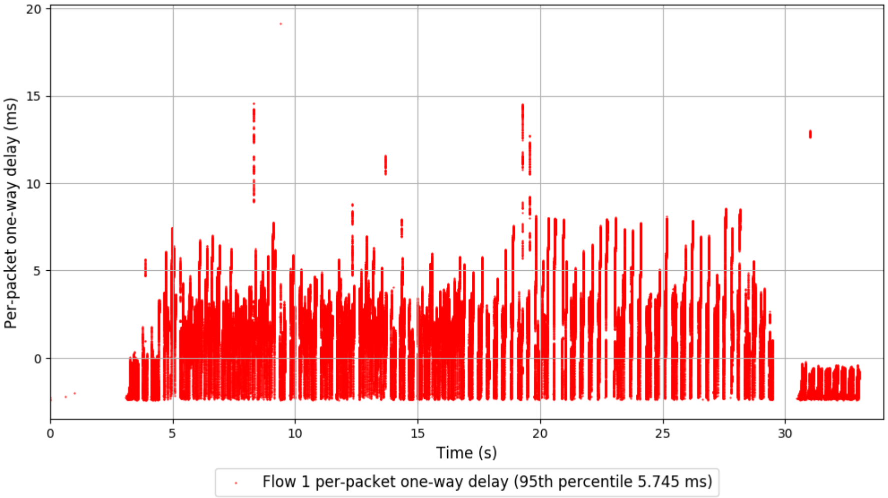




```
Run 6: Statistics of Verus

Start at: Thu, 29 Jun 2017 23:56:19 +0000
End at: Thu, 29 Jun 2017 23:56:49 +0000
Local clock offset: -0.554 ms
Remote clock offset: -3.932 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:32:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.37 Mbit/s
95th percentile per-packet one-way delay: 5.745 ms
Loss rate: 67.03%
-- Flow 1:
Average throughput: 73.37 Mbit/s
95th percentile per-packet one-way delay: 5.745 ms
Loss rate: 67.03%
```

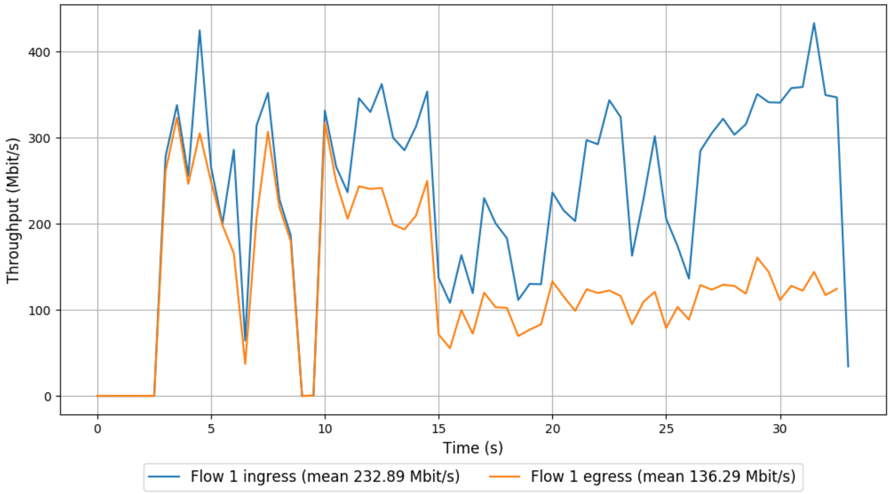
Run 6: Report of Verus — Data Link

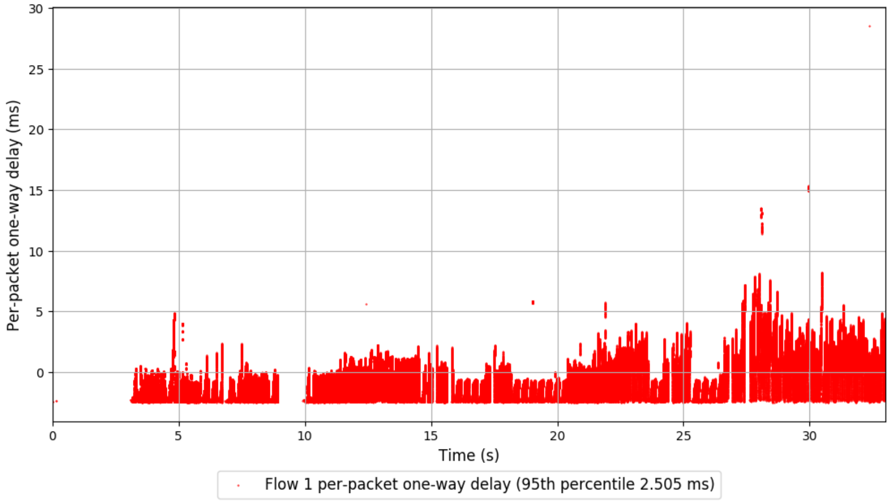




```
Run 7: Statistics of Verus

Start at: Fri, 30 Jun 2017 00:15:36 +0000
End at: Fri, 30 Jun 2017 00:16:06 +0000
Local clock offset: -0.68 ms
Remote clock offset: -4.218 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:32:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.29 Mbit/s
95th percentile per-packet one-way delay: 2.505 ms
Loss rate: 41.57%
-- Flow 1:
Average throughput: 136.29 Mbit/s
95th percentile per-packet one-way delay: 2.505 ms
Loss rate: 41.57%
```

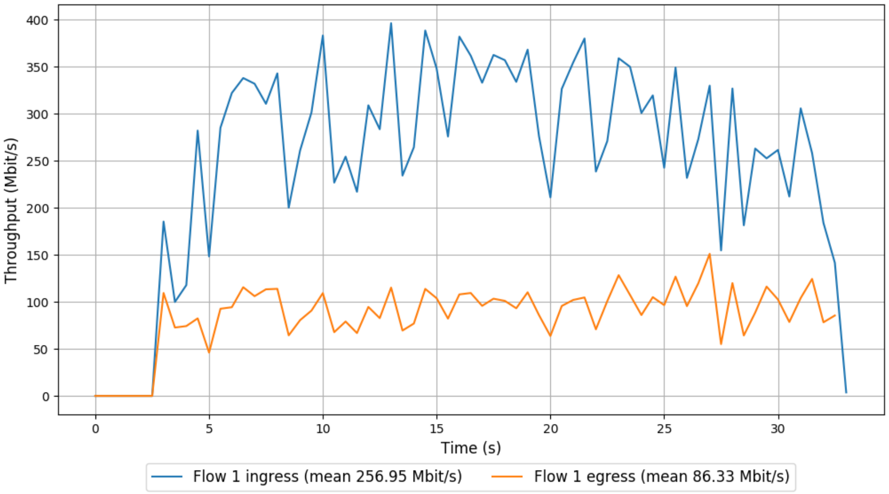
Run 7: Report of Verus — Data Link

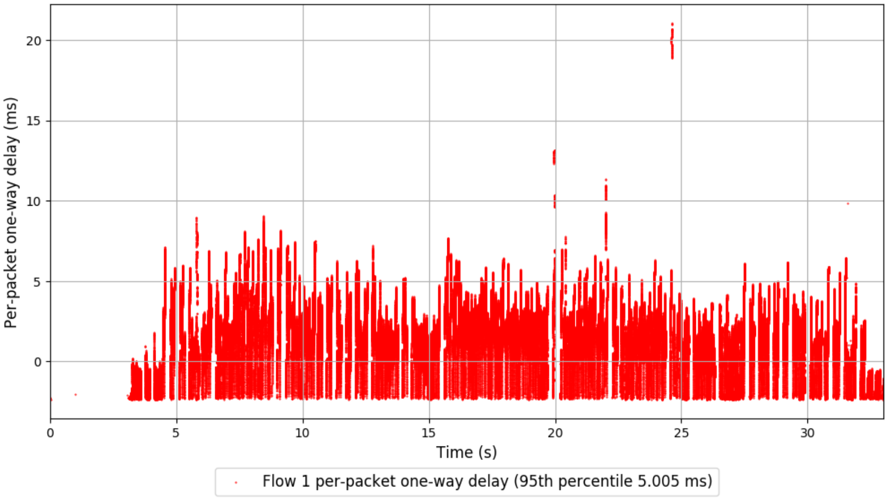




```
Run 8: Statistics of Verus

Start at: Fri, 30 Jun 2017 00:34:57 +0000
End at: Fri, 30 Jun 2017 00:35:27 +0000
Local clock offset: -0.816 ms
Remote clock offset: -4.207 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:32:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 5.005 ms
Loss rate: 66.42%
-- Flow 1:
Average throughput: 86.33 Mbit/s
95th percentile per-packet one-way delay: 5.005 ms
Loss rate: 66.42%
```

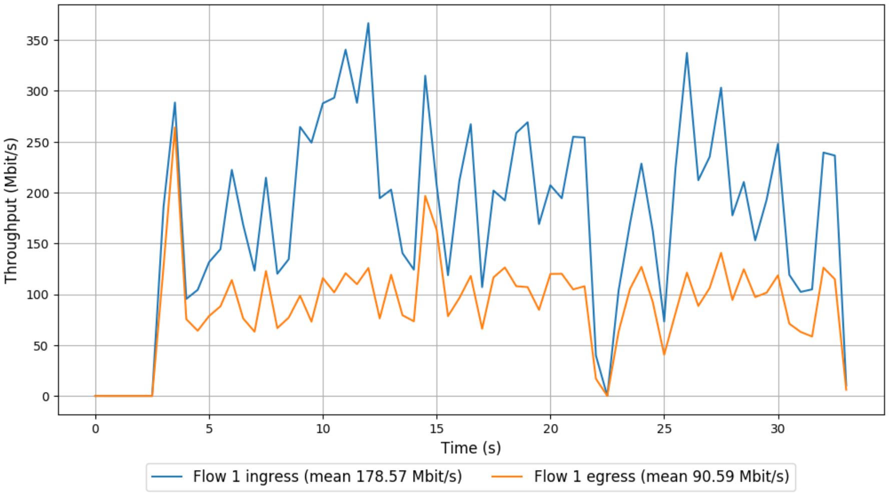
Run 8: Report of Verus — Data Link

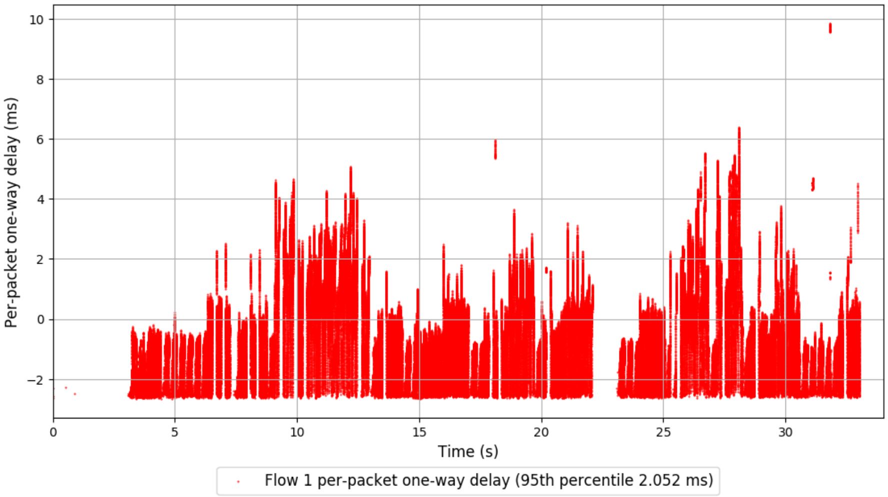




```
Run 9: Statistics of Verus

Start at: Fri, 30 Jun 2017 00:54:36 +0000
End at: Fri, 30 Jun 2017 00:55:06 +0000
Local clock offset: -0.756 ms
Remote clock offset: -4.359 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:32:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.59 Mbit/s
95th percentile per-packet one-way delay: 2.052 ms
Loss rate: 49.28%
-- Flow 1:
Average throughput: 90.59 Mbit/s
95th percentile per-packet one-way delay: 2.052 ms
Loss rate: 49.28%
```

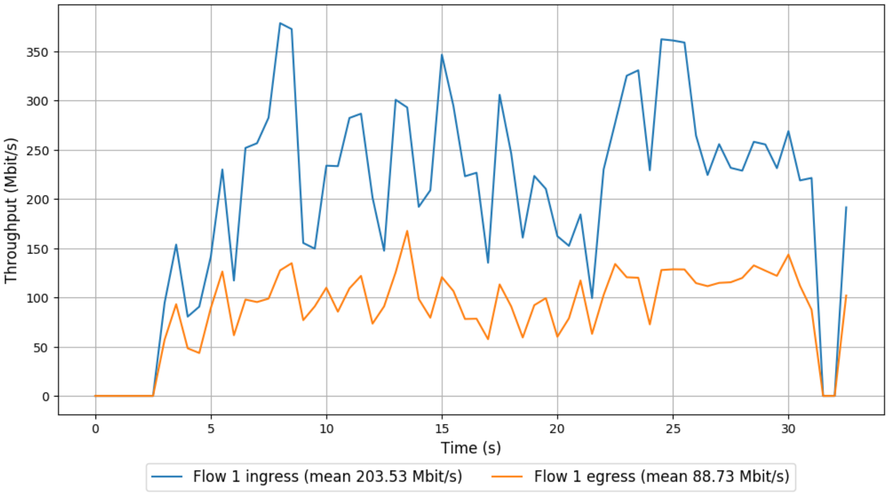
Run 9: Report of Verus — Data Link

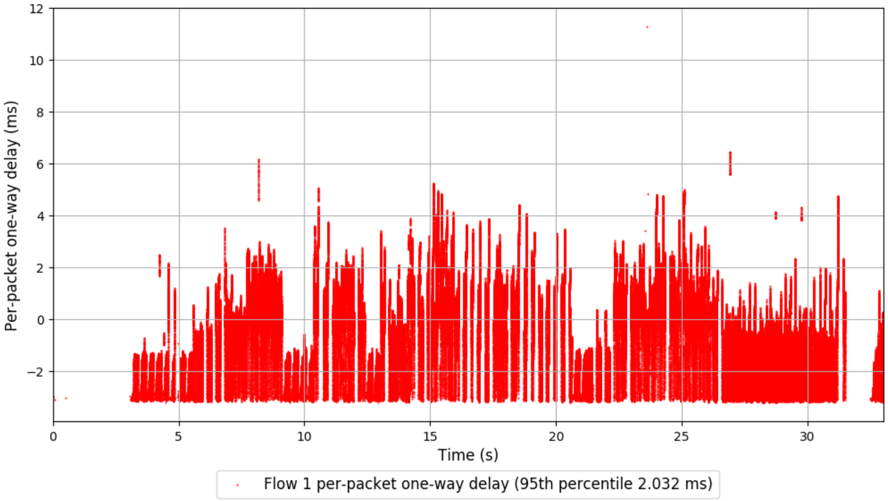




```
Run 10: Statistics of Verus

Start at: Fri, 30 Jun 2017 01:14:10 +0000
End at: Fri, 30 Jun 2017 01:14:40 +0000
Local clock offset: -0.468 ms
Remote clock offset: -4.632 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:32:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 2.032 ms
Loss rate: 56.40%
-- Flow 1:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 2.032 ms
Loss rate: 56.40%
```

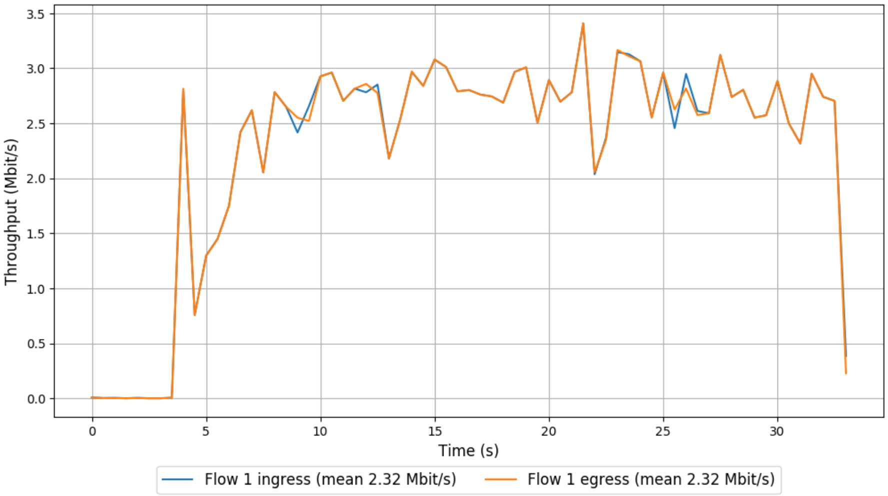
Run 10: Report of Verus — Data Link

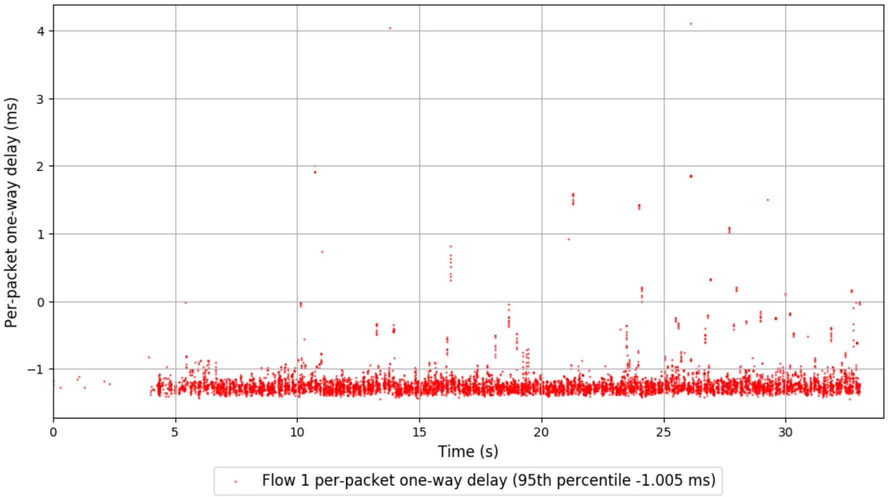




```
Run 1: Statistics of WebRTC media

Start at: Thu, 29 Jun 2017 22:21:08 +0000
End at: Thu, 29 Jun 2017 22:21:38 +0000
Local clock offset: -0.216 ms
Remote clock offset: -2.694 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:32:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -1.005 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -1.005 ms
Loss rate: 0.10%
```

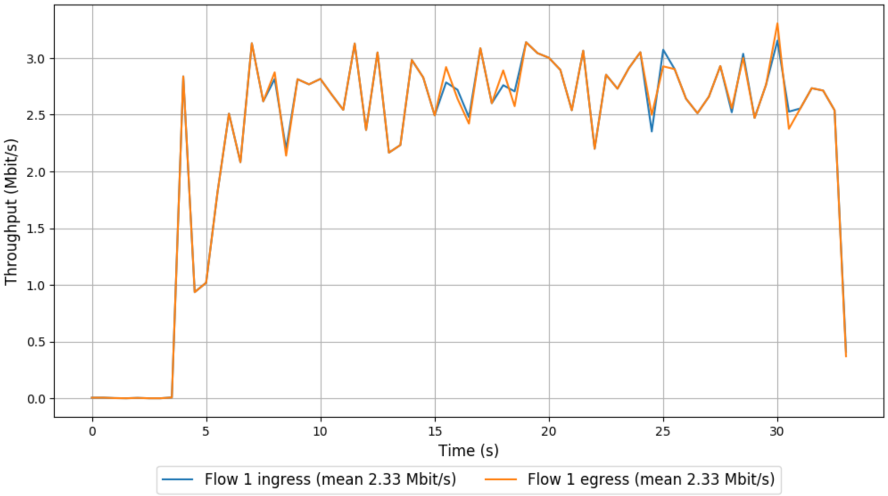
Run 1: Report of WebRTC media — Data Link

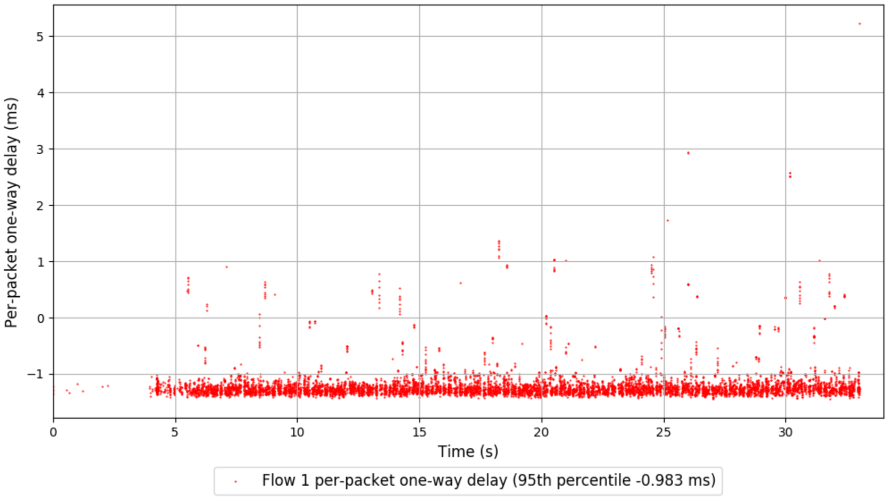




```
Run 2: Statistics of WebRTC media

Start at: Thu, 29 Jun 2017 22:40:31 +0000
End at: Thu, 29 Jun 2017 22:41:01 +0000
Local clock offset: -0.409 ms
Remote clock offset: -2.834 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:32:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -0.983 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -0.983 ms
Loss rate: 0.03%
```

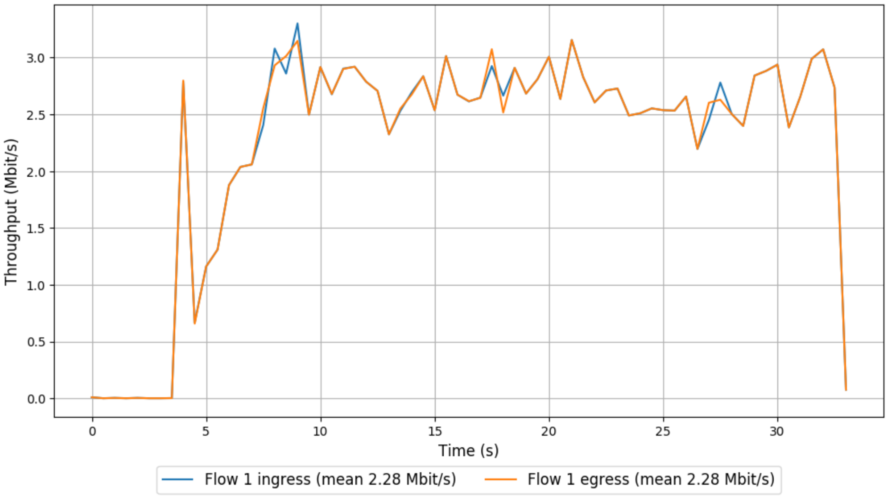
Run 2: Report of WebRTC media — Data Link

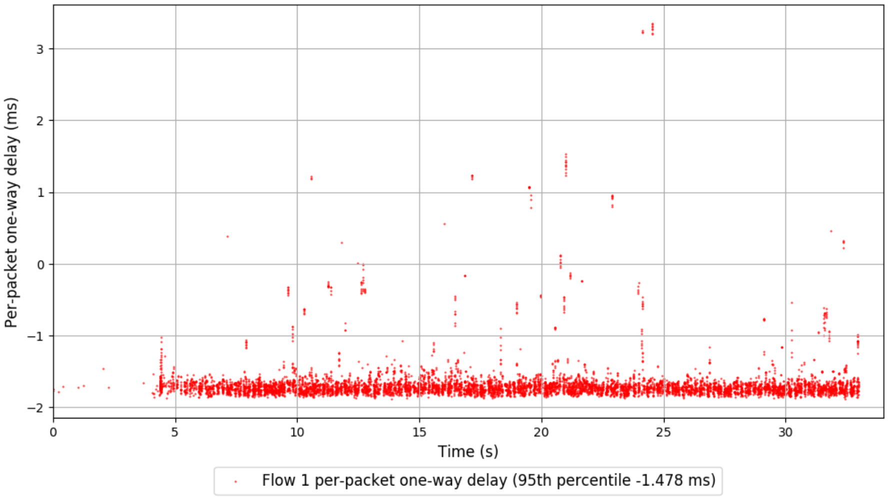




```
Run 3: Statistics of WebRTC media

Start at: Thu, 29 Jun 2017 23:00:18 +0000
End at: Thu, 29 Jun 2017 23:00:48 +0000
Local clock offset: -0.529 ms
Remote clock offset: -3.376 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:32:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: -1.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: -1.478 ms
Loss rate: 0.00%
```

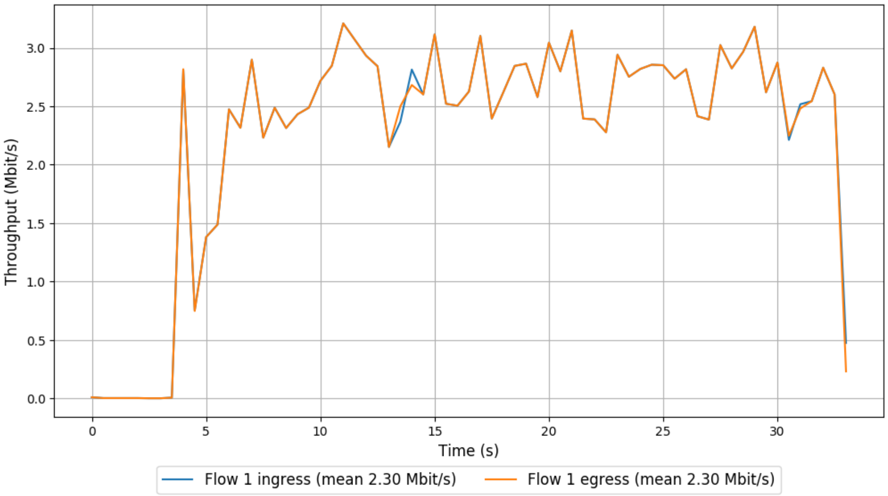
Run 3: Report of WebRTC media — Data Link

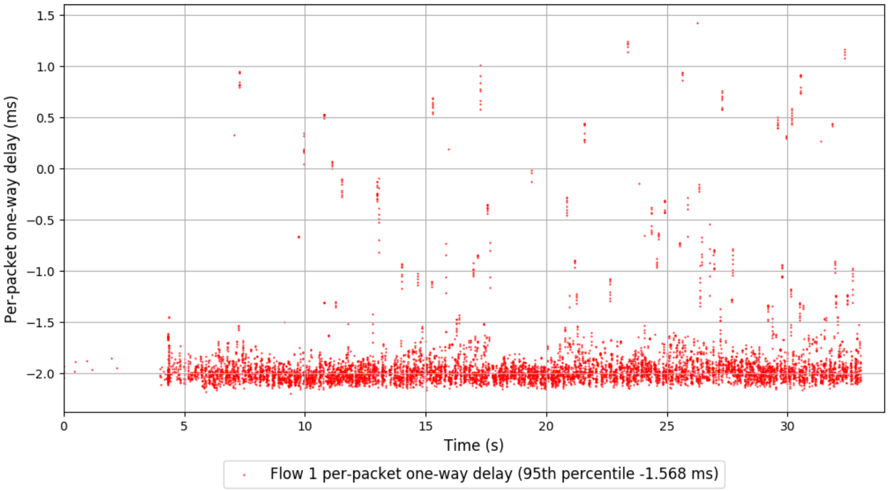




```
Run 4: Statistics of WebRTC media

Start at: Thu, 29 Jun 2017 23:19:37 +0000
End at: Thu, 29 Jun 2017 23:20:07 +0000
Local clock offset: -0.571 ms
Remote clock offset: -3.669 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:32:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: -1.568 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: -1.568 ms
Loss rate: 0.16%
```

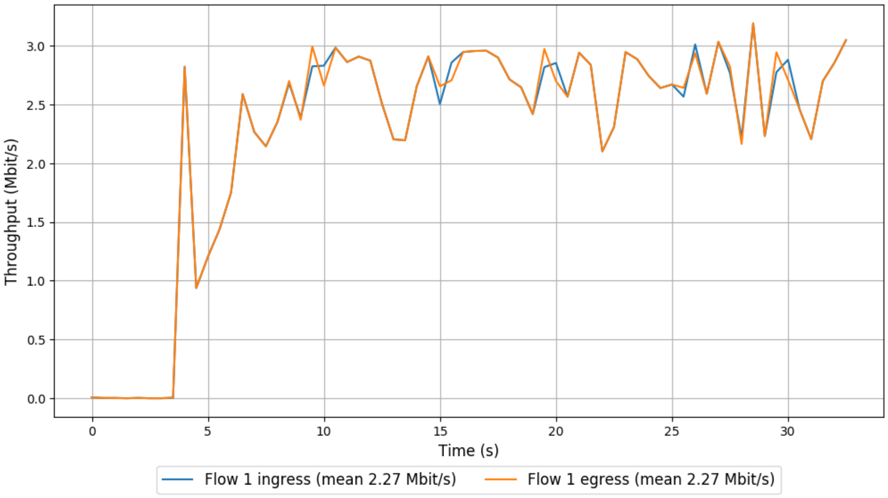
Run 4: Report of WebRTC media — Data Link

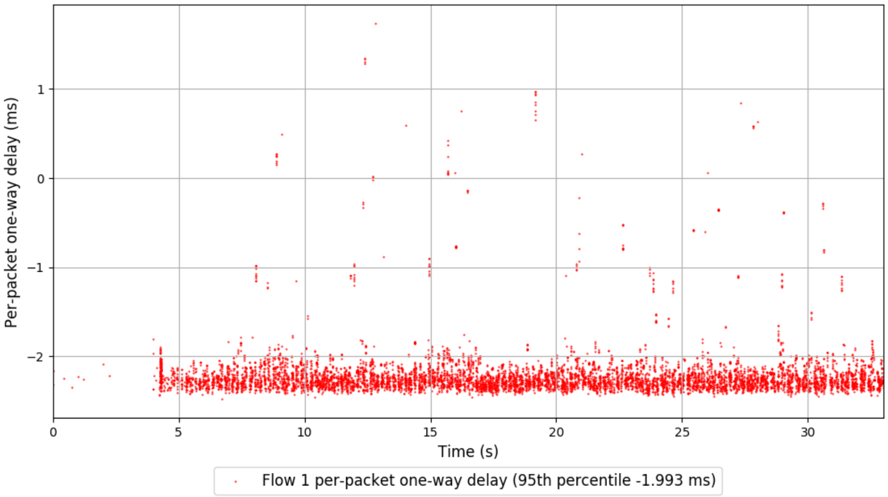




```
Run 5: Statistics of WebRTC media

Start at: Thu, 29 Jun 2017 23:39:08 +0000
End at: Thu, 29 Jun 2017 23:39:38 +0000
Local clock offset: -0.511 ms
Remote clock offset: -3.913 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:33:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: -1.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: -1.993 ms
Loss rate: 0.00%
```

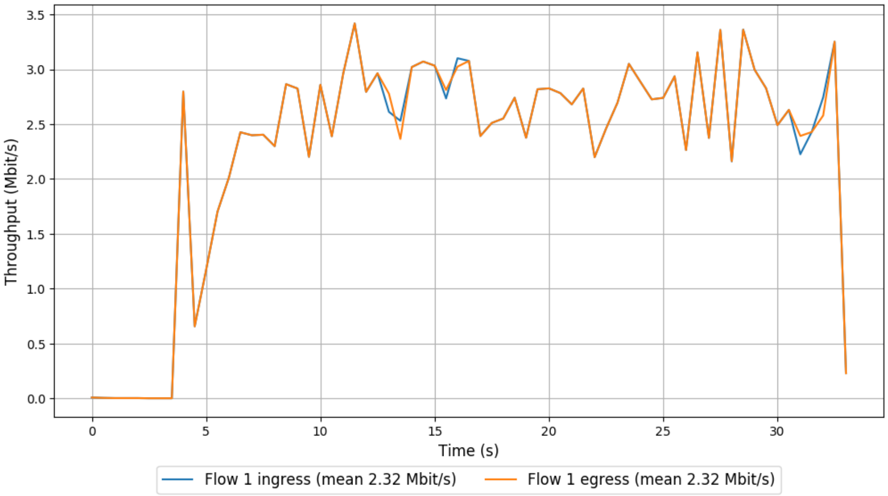
Run 5: Report of WebRTC media — Data Link

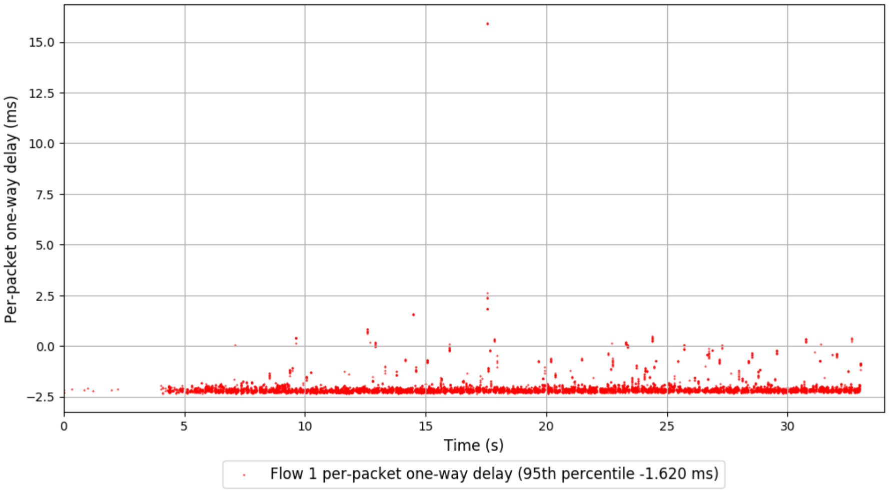




```
Run 6: Statistics of WebRTC media

Start at: Thu, 29 Jun 2017 23:58:47 +0000
End at: Thu, 29 Jun 2017 23:59:17 +0000
Local clock offset: -0.687 ms
Remote clock offset: -3.963 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:33:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -1.620 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -1.620 ms
Loss rate: 0.00%
```

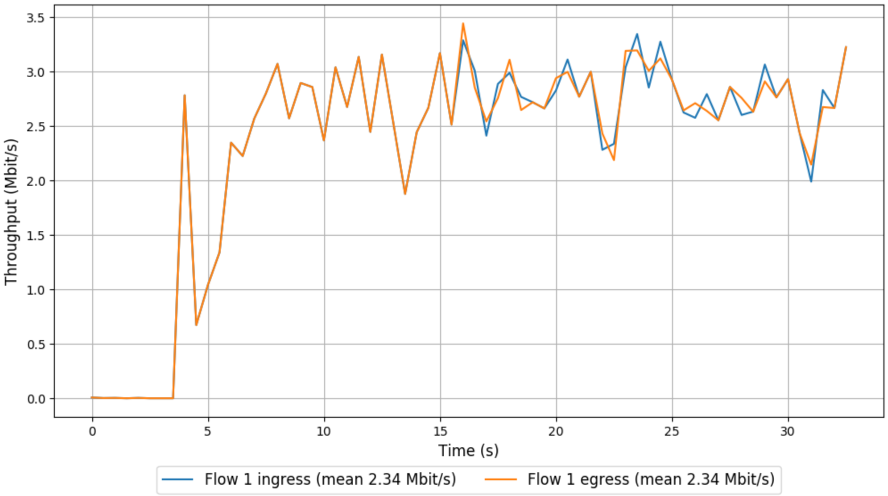
Run 6: Report of WebRTC media — Data Link

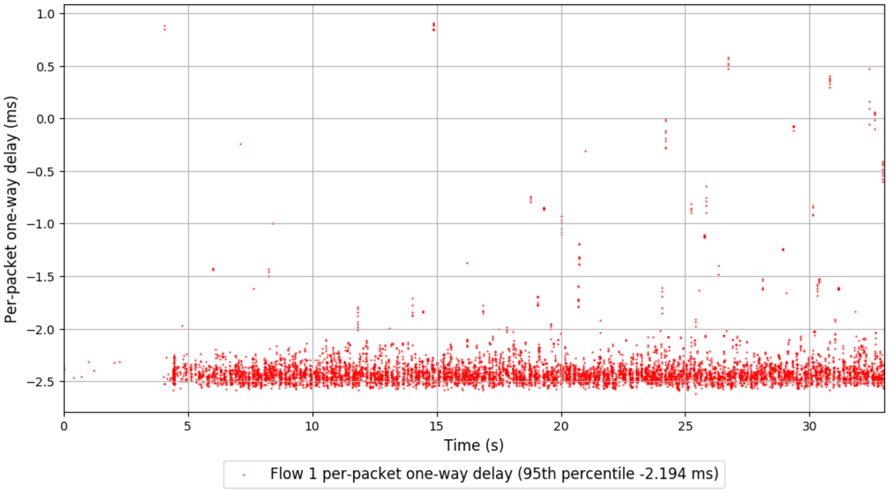




```
Run 7: Statistics of WebRTC media

Start at: Fri, 30 Jun 2017 00:18:07 +0000
End at: Fri, 30 Jun 2017 00:18:37 +0000
Local clock offset: -0.8 ms
Remote clock offset: -4.314 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:33:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -2.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -2.194 ms
Loss rate: 0.00%
```

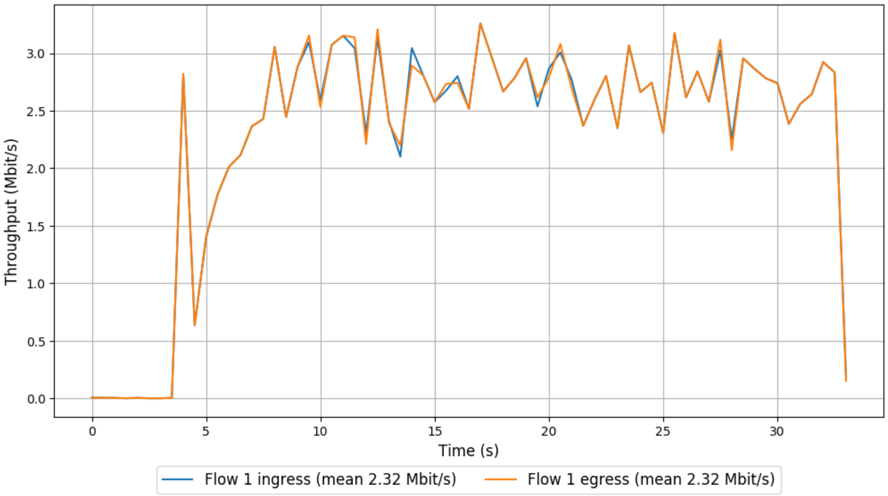
Run 7: Report of WebRTC media — Data Link

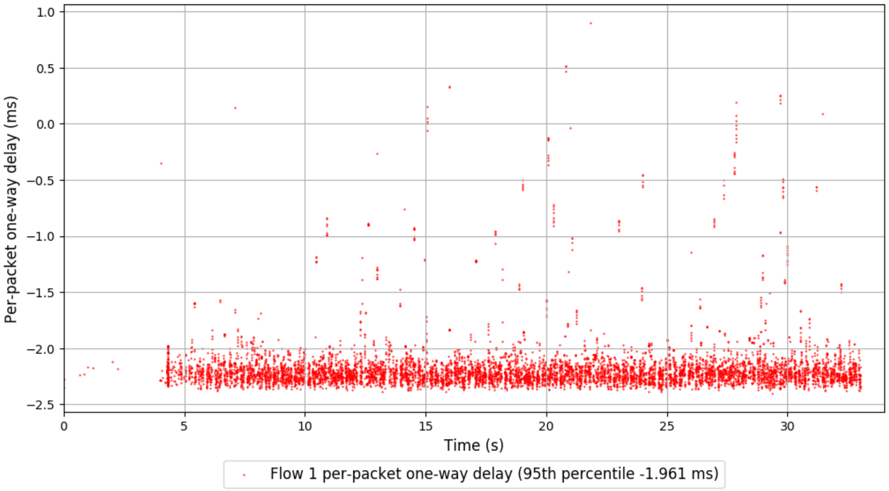




```
Run 8: Statistics of WebRTC media

Start at: Fri, 30 Jun 2017 00:37:26 +0000
End at: Fri, 30 Jun 2017 00:37:56 +0000
Local clock offset: -0.727 ms
Remote clock offset: -4.155 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:33:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -1.961 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -1.961 ms
Loss rate: 0.02%
```

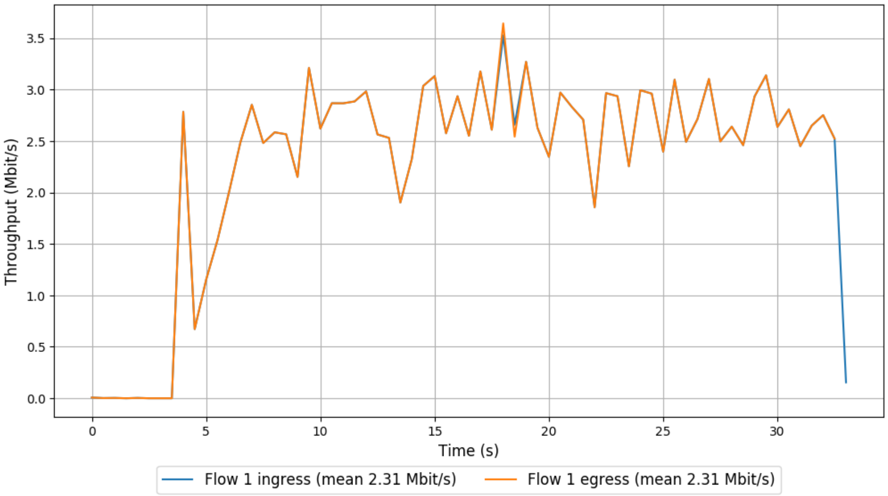
Run 8: Report of WebRTC media — Data Link

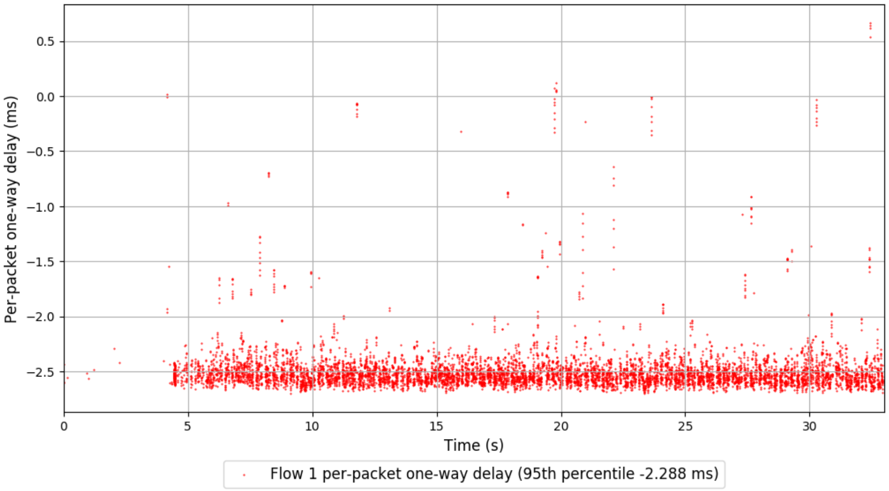




```
Run 9: Statistics of WebRTC media

Start at: Fri, 30 Jun 2017 00:57:04 +0000
End at: Fri, 30 Jun 2017 00:57:34 +0000
Local clock offset: -0.647 ms
Remote clock offset: -4.38 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:33:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -2.288 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -2.288 ms
Loss rate: 0.10%
```

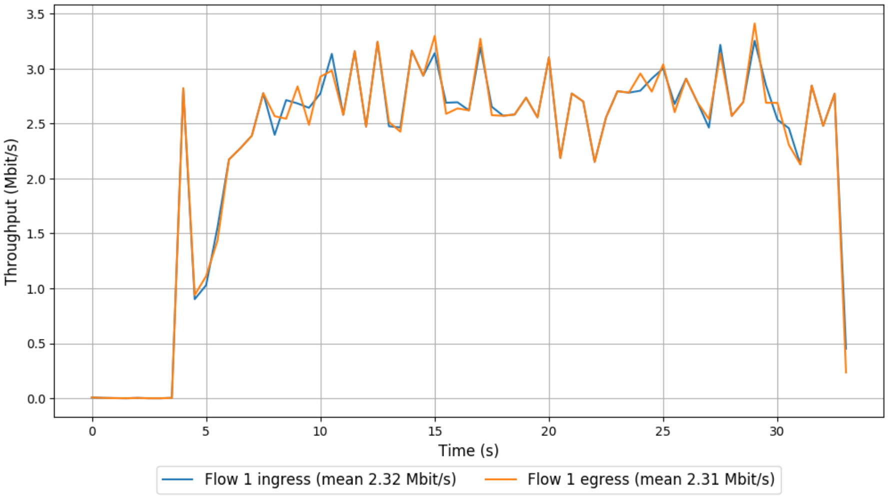
Run 9: Report of WebRTC media — Data Link



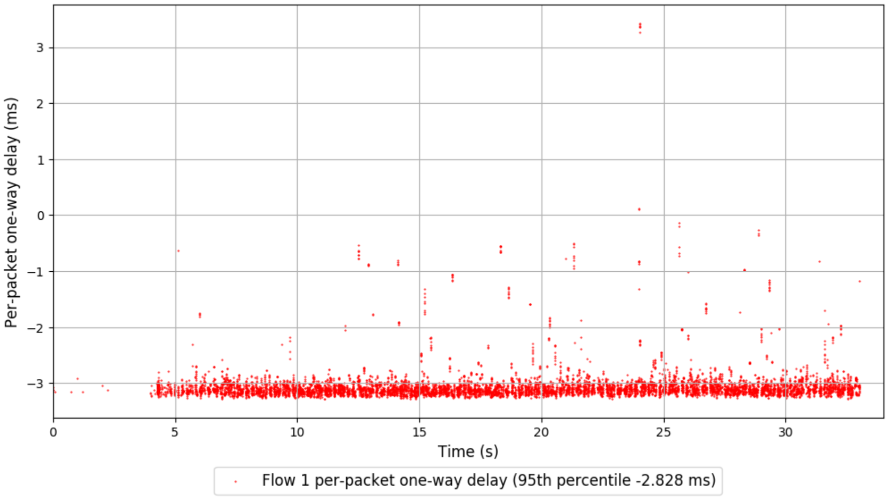


```
Run 10: Statistics of WebRTC media

Start at: Fri, 30 Jun 2017 01:16:39 +0000
End at: Fri, 30 Jun 2017 01:17:09 +0000
Local clock offset: -0.345 ms
Remote clock offset: -4.604 ms

# Below is generated by plot.py at Fri, 30 Jun 2017 04:33:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -2.828 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: -2.828 ms
Loss rate: 0.14%
```

Run 10: Report of WebRTC media — Data Link



3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Throughput (Mbit/s)
0
5
10
15
20
25
30
Time (s)
Flow 1 ingress (mean 2.32 Mbit/s)
Flow 1 egress (mean 2.31 Mbit/s)



3
2
1
0
−1
−2
−3
Per-packet one-way delay (ms)
0
5
10
15
20
25
30
Time (s)
Flow 1 per-packet one-way delay (95th percentile -2.828 ms)