Pantheon Summary (Generated at Tue, 13 Jun 2017 16:59:51 +0000 with pantheon version `a78272c2fc2acc3dce256a4fe0c8be153bc74953`)

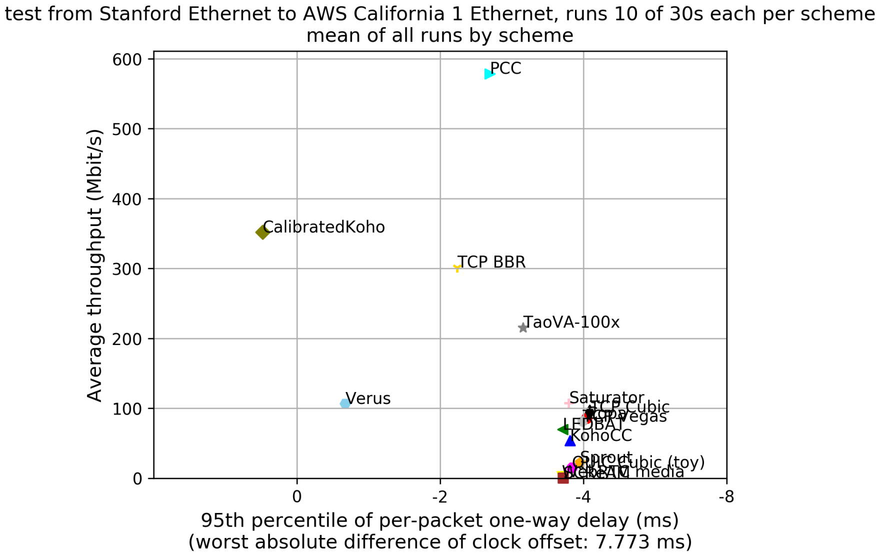
Repeated the test of 15 congestion control schemes 10 times.

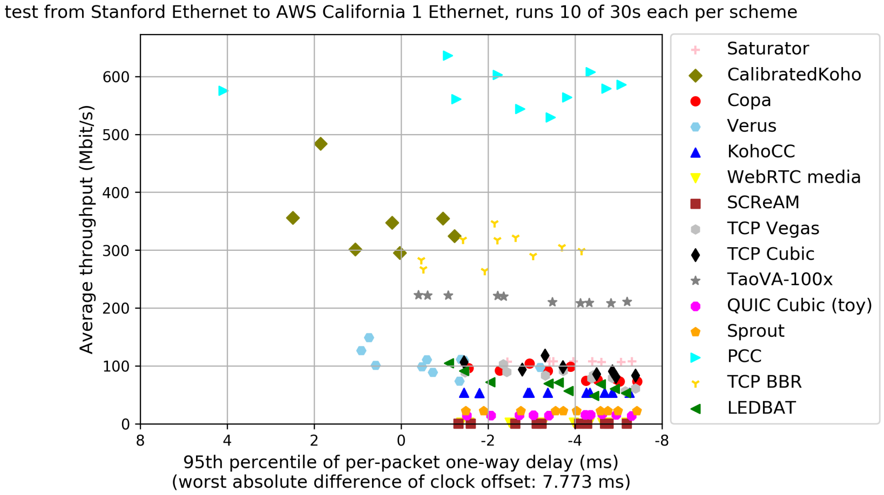
Each test lasted for 30 seconds running 1 flow.

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

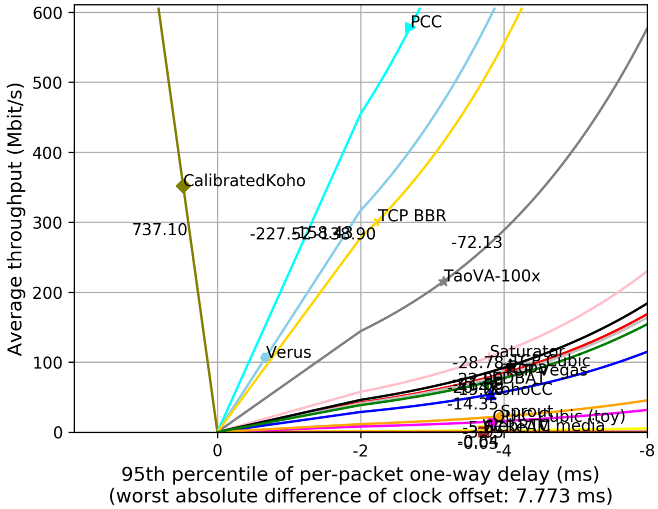
NTP offset measured against time.stanford.edu.

```
git branch: master @ a78272c2fc2acc3dce256a4fe0c8be153bc74953
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, runs 10 of 30s each per scheme
mean of all runs by scheme
Average throughput (Mbit/s)
600
500
400
300
200
100
0
0
-2
-4
-8
PCC
CalibratedKoho
TCP BBR
TaoVA-100x
Verus
Saturator
TCP Cubic
Copa
TCP Vegas
LEDBAT
KohoCC
Sprout
QUIC Cubic (toy)
WebRTC media
SCReAM
95th percentile of per-packet one-way delay (ms)
(worst absolute difference of clock offset: 7.773 ms)

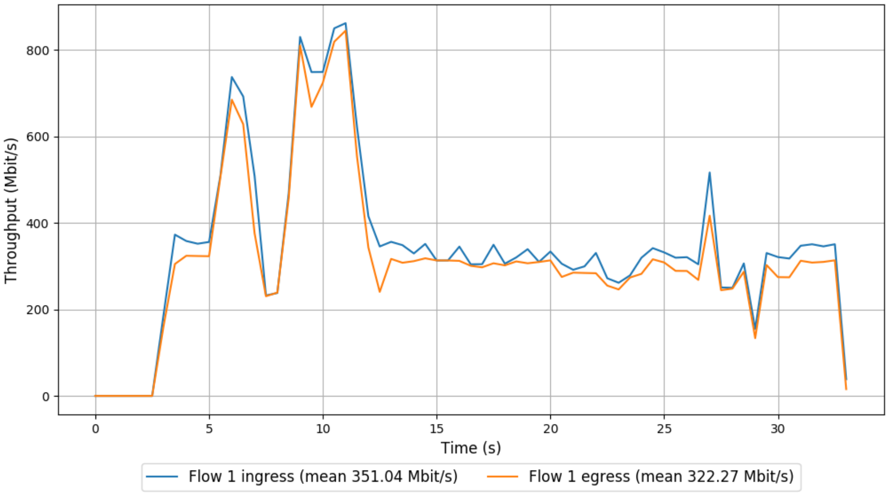

test from Stanford Ethernet to AWS California 1 Ethernet, runs 10 of 30s each per scheme
Average throughput (Mbit/s)
600
500
400
300
200
100
0
8
4
2
0
-2
-4
-8
95th percentile of per-packet one-way delay (ms)
(worst absolute difference of clock offset: 7.773 ms)
Saturator
CalibratedKoho
Copa
Verus
KohoCC
WebRTC media
SCReAM
TCP Vegas
TCP Cubic
TaoVA-100x
QUIC Cubic (toy)
Sprout
PCC
TCP BBR
LEDBAT

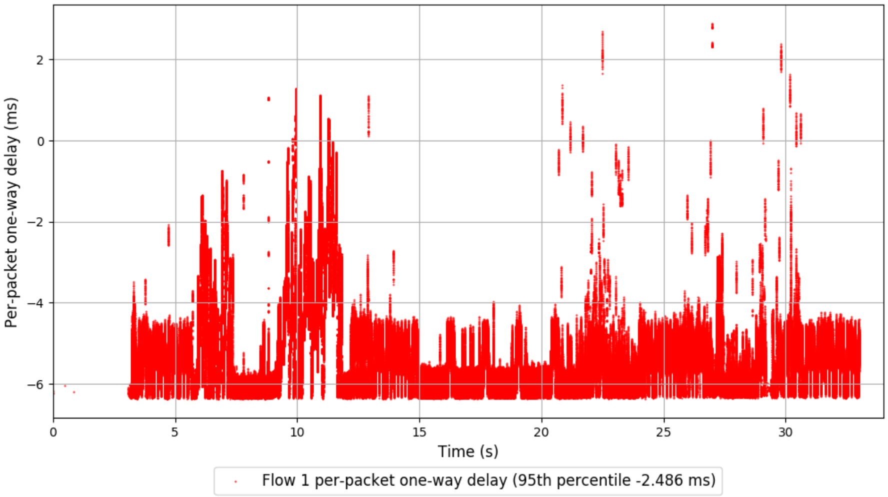
test from Stanford Ethernet to AWS California 1 Ethernet, runs 10 of 30s each per scheme
mean power scores of all runs by scheme



```
Run 1: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 11:06:42 +0000
End at: Tue, 13 Jun 2017 11:07:12 +0000
Local clock offset: 5.089 ms
Remote clock offset: -2.198 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:32:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 322.27 Mbit/s
95th percentile per-packet one-way delay: -2.486 ms
Loss rate: 8.26%
-- Flow 1:
Average throughput: 322.27 Mbit/s
95th percentile per-packet one-way delay: -2.486 ms
Loss rate: 8.26%
```

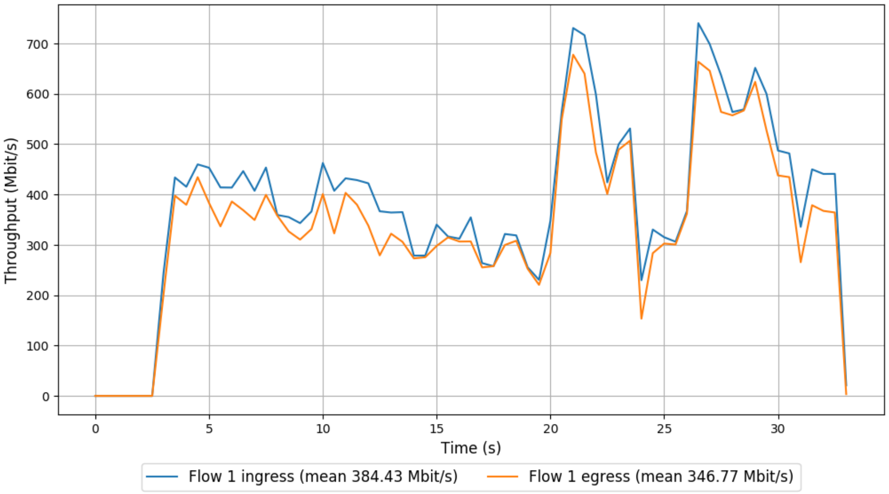
Run 1: Report of TCP BBR — Data Link

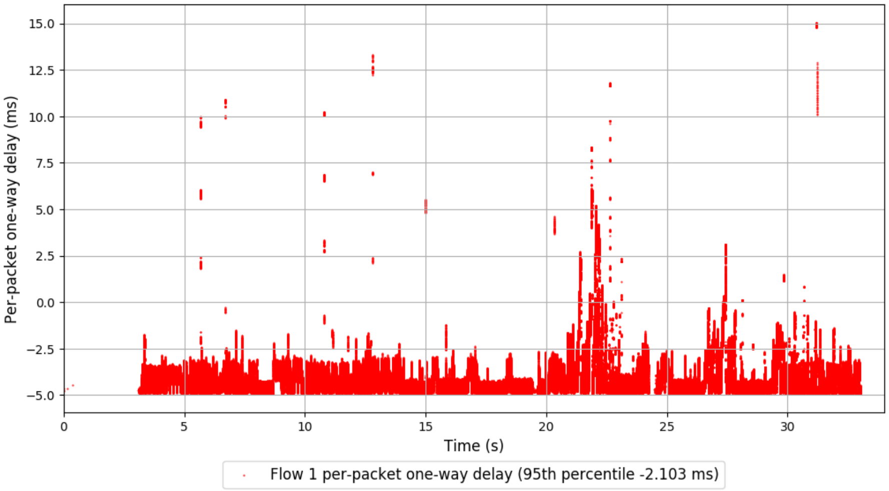




```
Run 2: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 11:27:42 +0000
End at: Tue, 13 Jun 2017 11:28:12 +0000
Local clock offset: 3.775 ms
Remote clock offset: -2.166 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:32:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.77 Mbit/s
95th percentile per-packet one-way delay: -2.103 ms
Loss rate: 9.85%
-- Flow 1:
Average throughput: 346.77 Mbit/s
95th percentile per-packet one-way delay: -2.103 ms
Loss rate: 9.85%
```

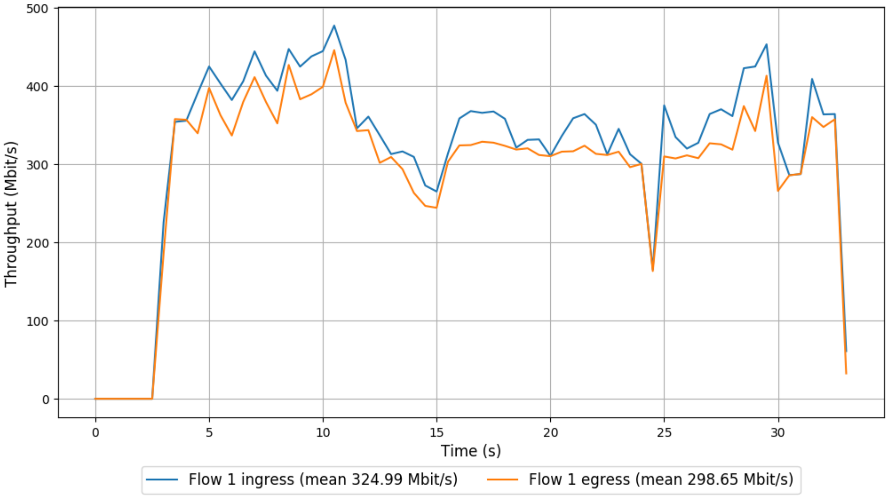
Run 2: Report of TCP BBR — Data Link

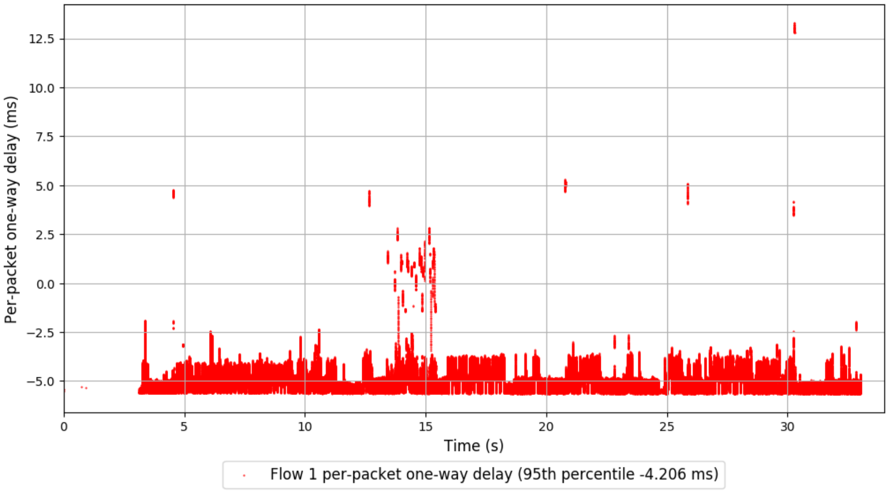




```
Run 3: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 11:48:20 +0000
End at: Tue, 13 Jun 2017 11:48:50 +0000
Local clock offset: 4.097 ms
Remote clock offset: -2.42 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:32:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 298.65 Mbit/s
95th percentile per-packet one-way delay: -4.206 ms
Loss rate: 8.16%
-- Flow 1:
Average throughput: 298.65 Mbit/s
95th percentile per-packet one-way delay: -4.206 ms
Loss rate: 8.16%
```

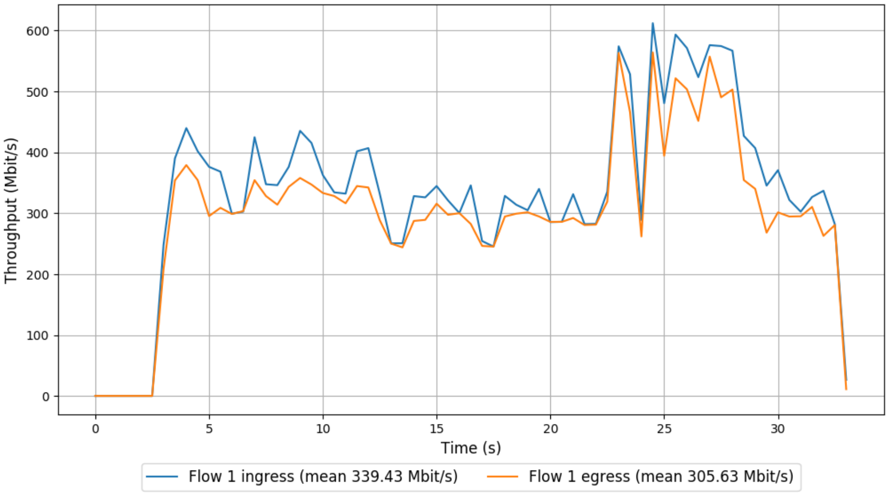
Run 3: Report of TCP BBR — Data Link

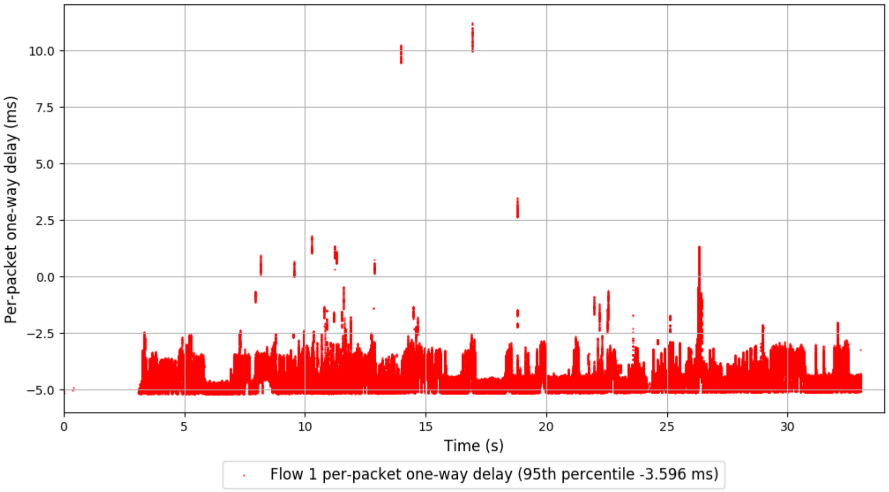




```
Run 4: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 12:08:54 +0000
End at: Tue, 13 Jun 2017 12:09:24 +0000
Local clock offset: 3.975 ms
Remote clock offset: -2.265 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:33:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 305.63 Mbit/s
95th percentile per-packet one-way delay: -3.596 ms
Loss rate: 10.01%
-- Flow 1:
Average throughput: 305.63 Mbit/s
95th percentile per-packet one-way delay: -3.596 ms
Loss rate: 10.01%
```

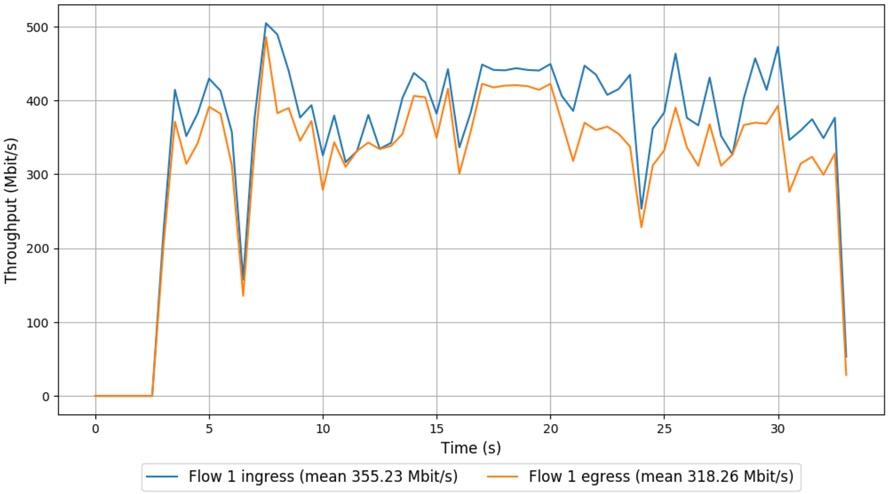
Run 4: Report of TCP BBR — Data Link

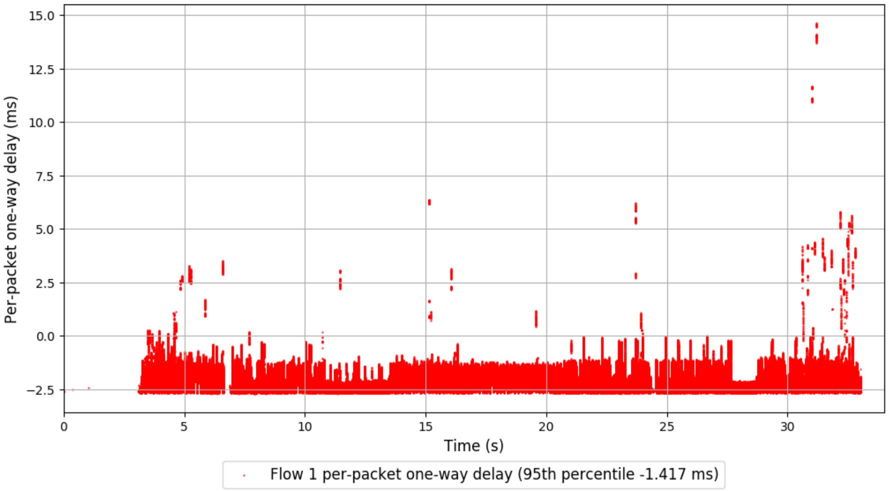




```
Run 5: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 12:30:03 +0000
End at: Tue, 13 Jun 2017 12:30:33 +0000
Local clock offset: 1.589 ms
Remote clock offset: -2.106 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:33:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 318.26 Mbit/s
95th percentile per-packet one-way delay: -1.417 ms
Loss rate: 10.46%
-- Flow 1:
Average throughput: 318.26 Mbit/s
95th percentile per-packet one-way delay: -1.417 ms
Loss rate: 10.46%
```

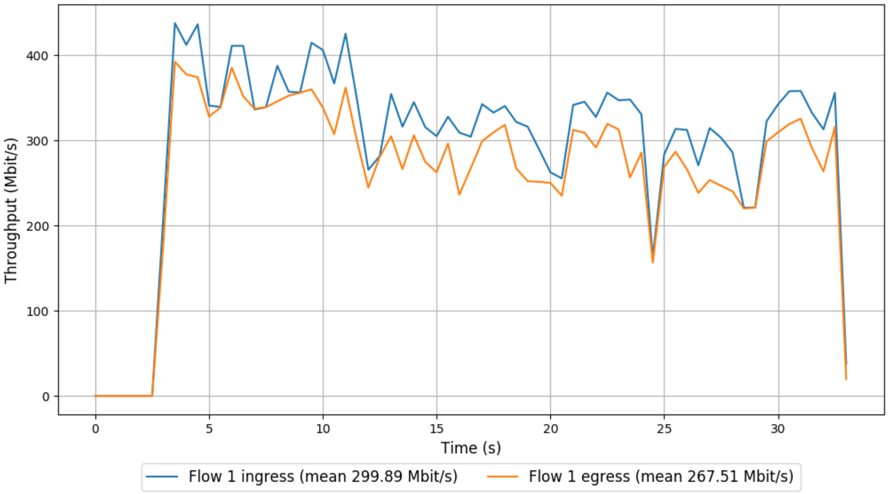
Run 5: Report of TCP BBR — Data Link

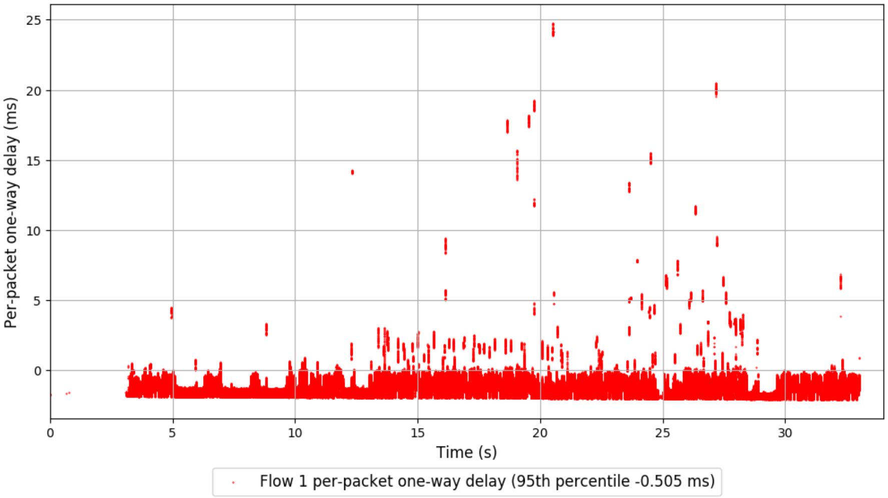




```
Run 6: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 12:51:17 +0000
End at: Tue, 13 Jun 2017 12:51:47 +0000
Local clock offset: 0.852 ms
Remote clock offset: -1.898 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:33:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 267.51 Mbit/s
95th percentile per-packet one-way delay: -0.505 ms
Loss rate: 10.85%
-- Flow 1:
Average throughput: 267.51 Mbit/s
95th percentile per-packet one-way delay: -0.505 ms
Loss rate: 10.85%
```

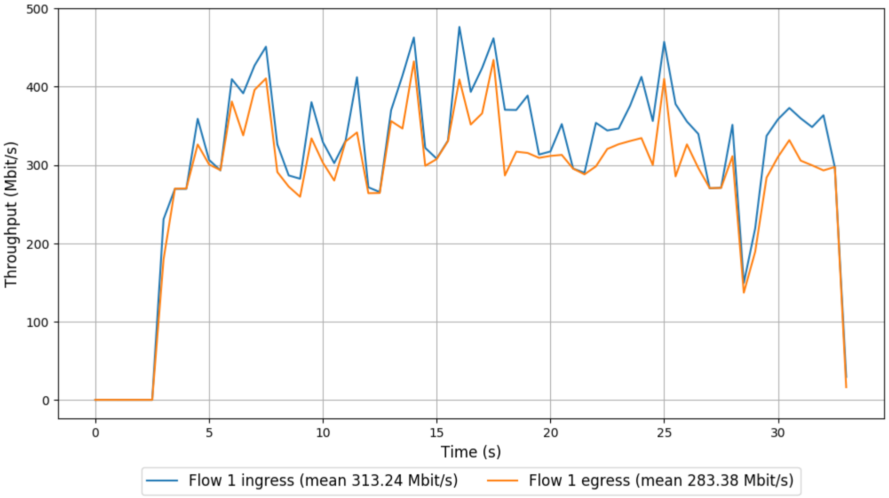
Run 6: Report of TCP BBR — Data Link

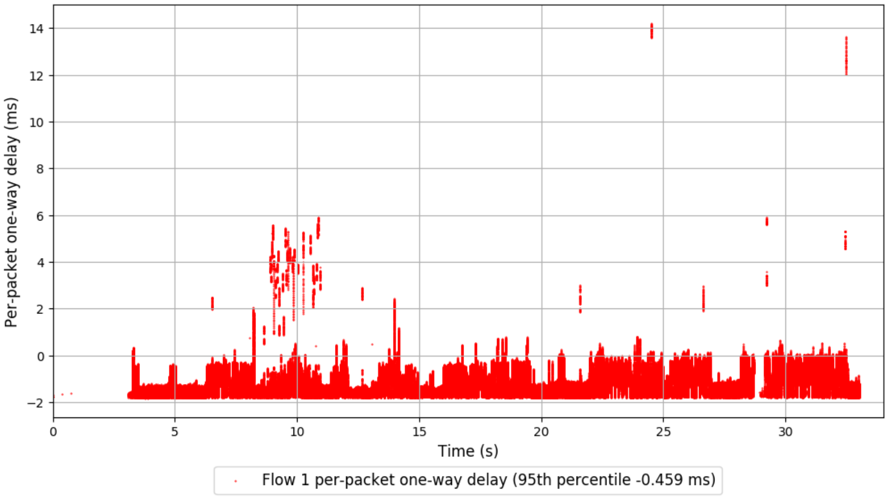




```
Run 7: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 13:12:17 +0000
End at: Tue, 13 Jun 2017 13:12:47 +0000
Local clock offset: 0.946 ms
Remote clock offset: -1.881 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:34:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 283.38 Mbit/s
95th percentile per-packet one-way delay: -0.459 ms
Loss rate: 9.59%
-- Flow 1:
Average throughput: 283.38 Mbit/s
95th percentile per-packet one-way delay: -0.459 ms
Loss rate: 9.59%
```

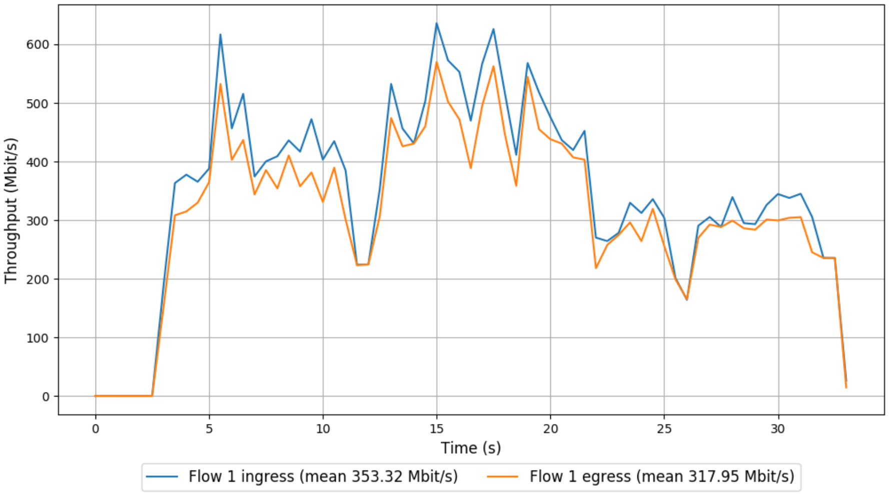
Run 7: Report of TCP BBR — Data Link

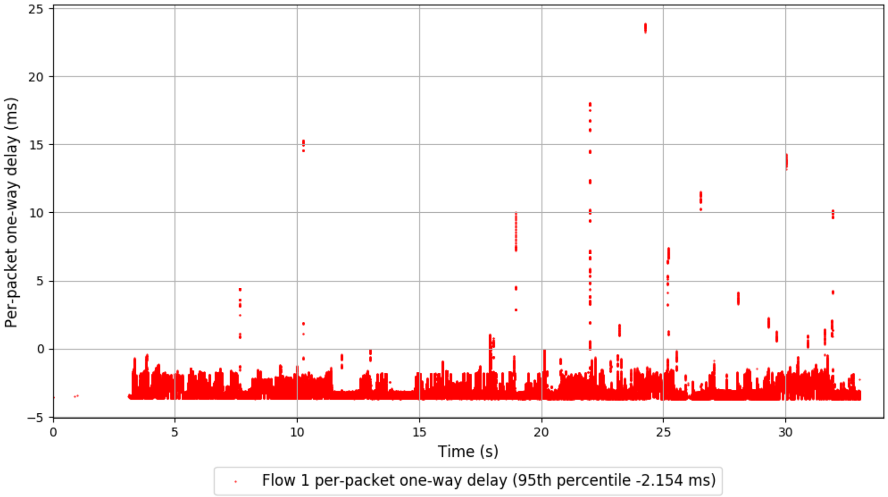




```
Run 8: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 13:33:31 +0000
End at: Tue, 13 Jun 2017 13:34:01 +0000
Local clock offset: 2.656 ms
Remote clock offset: -1.956 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:34:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 317.95 Mbit/s
95th percentile per-packet one-way delay: -2.154 ms
Loss rate: 10.06%
-- Flow 1:
Average throughput: 317.95 Mbit/s
95th percentile per-packet one-way delay: -2.154 ms
Loss rate: 10.06%
```

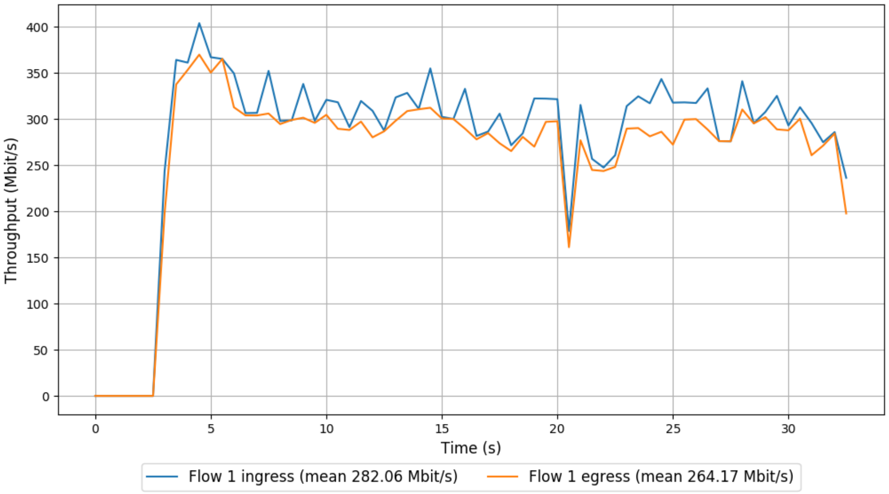
Run 8: Report of TCP BBR — Data Link

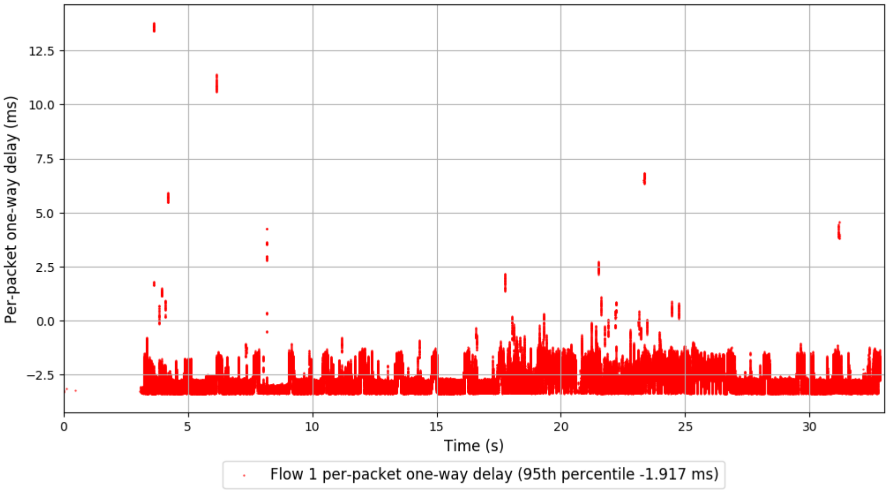




```
Run 9: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 13:54:46 +0000
End at: Tue, 13 Jun 2017 13:55:16 +0000
Local clock offset: 2.656 ms
Remote clock offset: -1.719 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:34:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.17 Mbit/s
95th percentile per-packet one-way delay: -1.917 ms
Loss rate: 6.34%
-- Flow 1:
Average throughput: 264.17 Mbit/s
95th percentile per-packet one-way delay: -1.917 ms
Loss rate: 6.34%
```

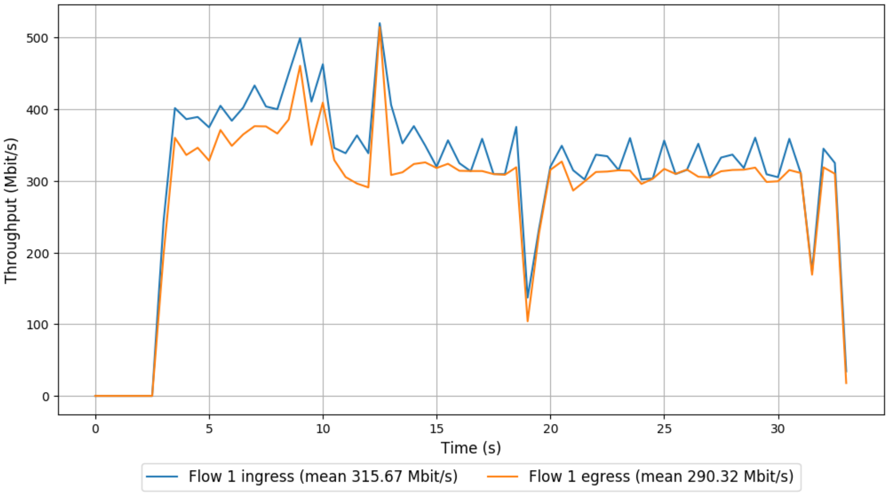
Run 9: Report of TCP BBR — Data Link

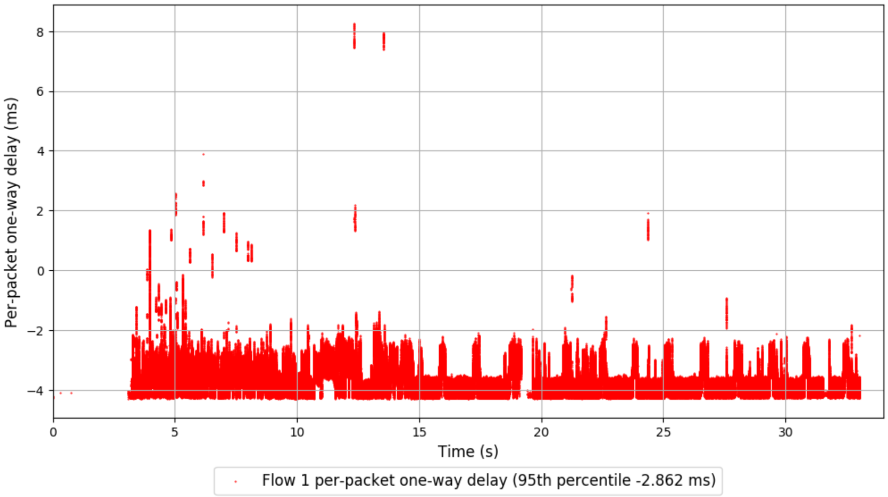




```
Run 10: Statistics of TCP BBR

Start at: Tue, 13 Jun 2017 14:16:00 +0000
End at: Tue, 13 Jun 2017 14:16:30 +0000
Local clock offset: 3.133 ms
Remote clock offset: -2.247 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:35:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 290.32 Mbit/s
95th percentile per-packet one-way delay: -2.862 ms
Loss rate: 8.08%
-- Flow 1:
Average throughput: 290.32 Mbit/s
95th percentile per-packet one-way delay: -2.862 ms
Loss rate: 8.08%
```

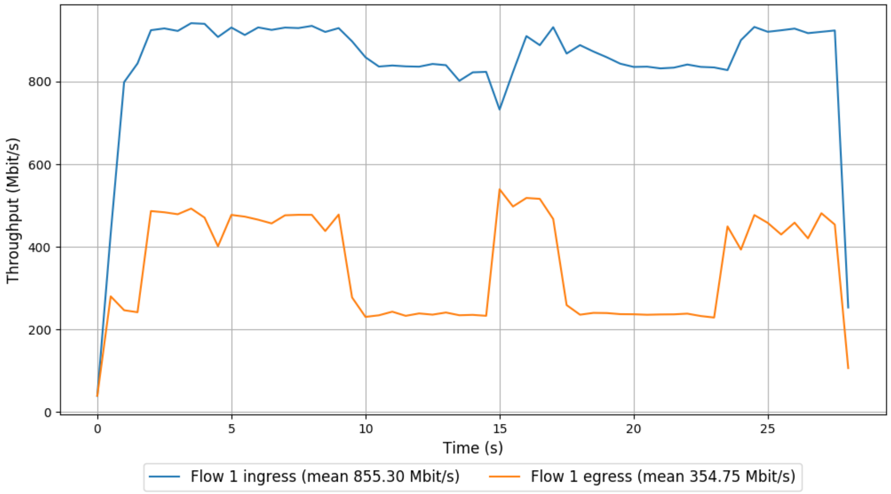
Run 10: Report of TCP BBR — Data Link

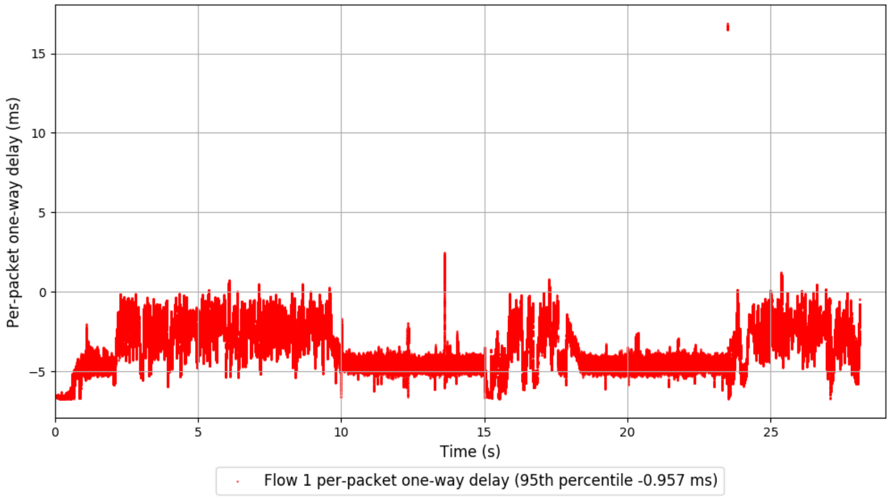




```
Run 1: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 10:52:31 +0000
End at: Tue, 13 Jun 2017 10:53:01 +0000
Local clock offset: 5.269 ms
Remote clock offset: -2.49 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:35:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 354.75 Mbit/s
95th percentile per-packet one-way delay: -0.957 ms
Loss rate: 58.55%
-- Flow 1:
Average throughput: 354.75 Mbit/s
95th percentile per-packet one-way delay: -0.957 ms
Loss rate: 58.55%
```

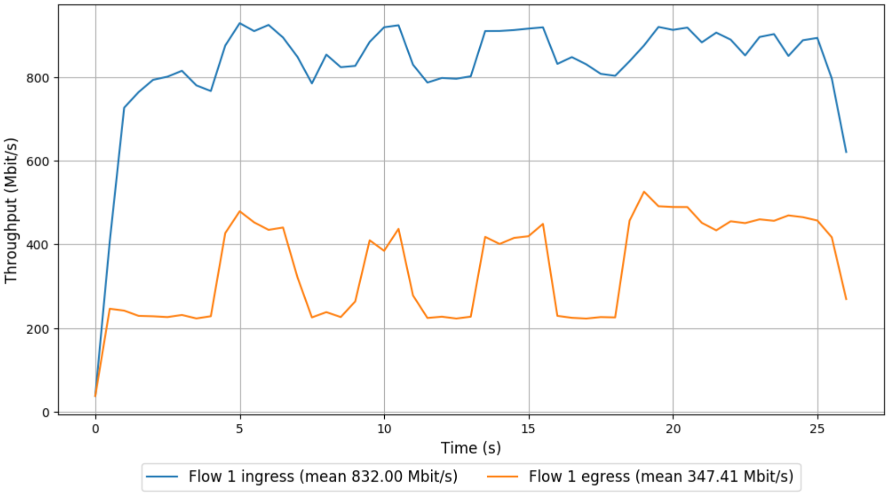
Run 1: Report of CalibratedKoho — Data Link

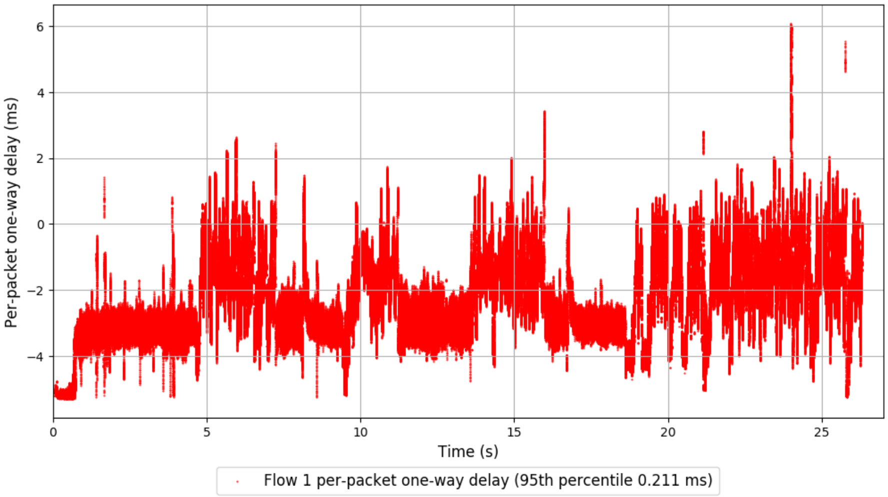




```
Run 2: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 11:13:35 +0000
End at: Tue, 13 Jun 2017 11:14:05 +0000
Local clock offset: 4.32 ms
Remote clock offset: -2.131 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:36:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 347.41 Mbit/s
95th percentile per-packet one-way delay: 0.211 ms
Loss rate: 58.27%
-- Flow 1:
Average throughput: 347.41 Mbit/s
95th percentile per-packet one-way delay: 0.211 ms
Loss rate: 58.27%
```

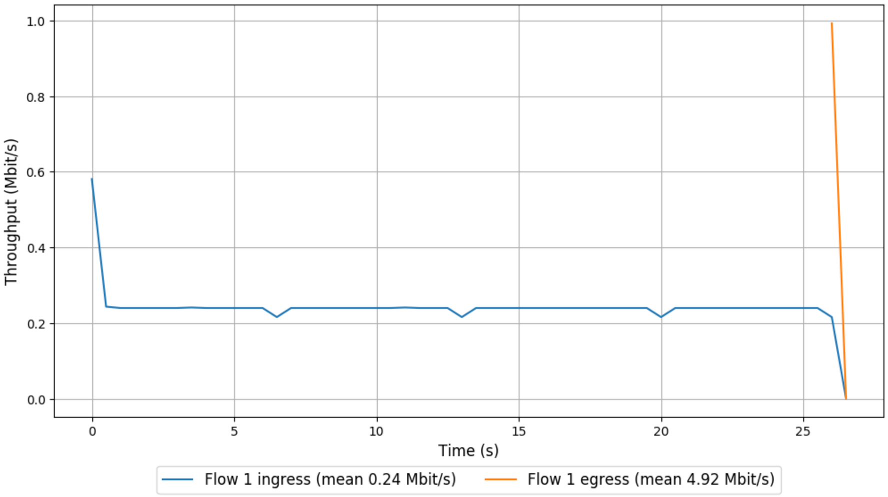
Run 2: Report of CalibratedKoho — Data Link

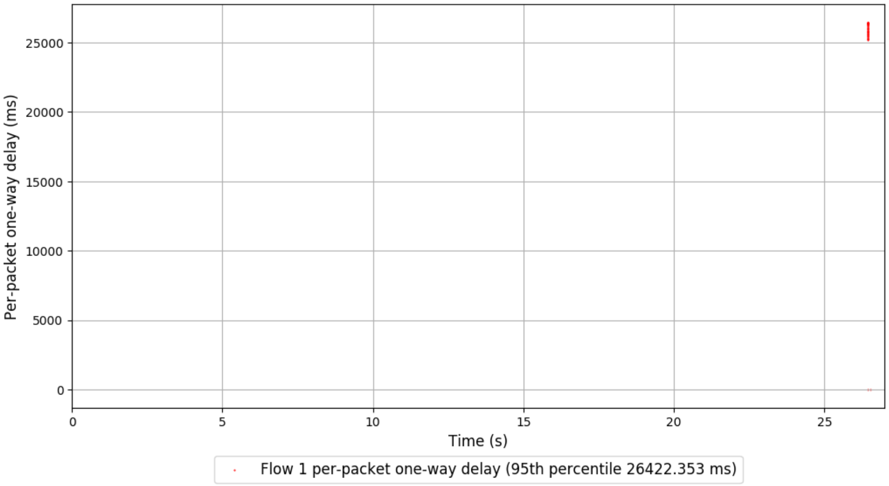




```
Run 3: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 11:34:38 +0000
End at: Tue, 13 Jun 2017 11:35:08 +0000
Local clock offset: 3.816 ms
Remote clock offset: -2.342 ms
```

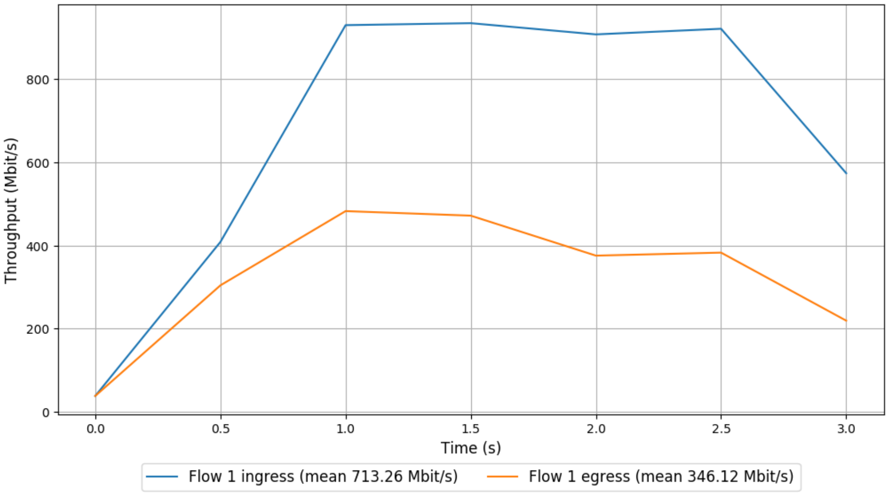
Run 3: Report of CalibratedKoho — Data Link

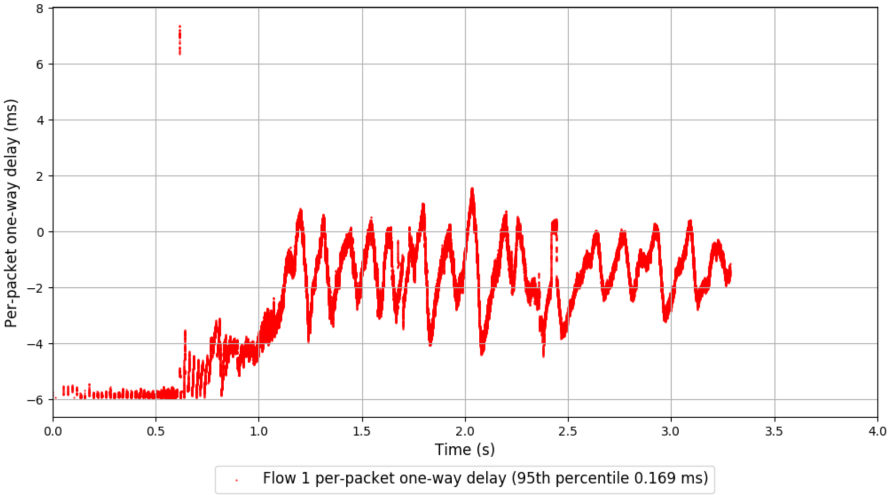




```
Run 4: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 11:55:12 +0000
End at: Tue, 13 Jun 2017 11:55:42 +0000
Local clock offset: 4.451 ms
Remote clock offset: -2.436 ms
```

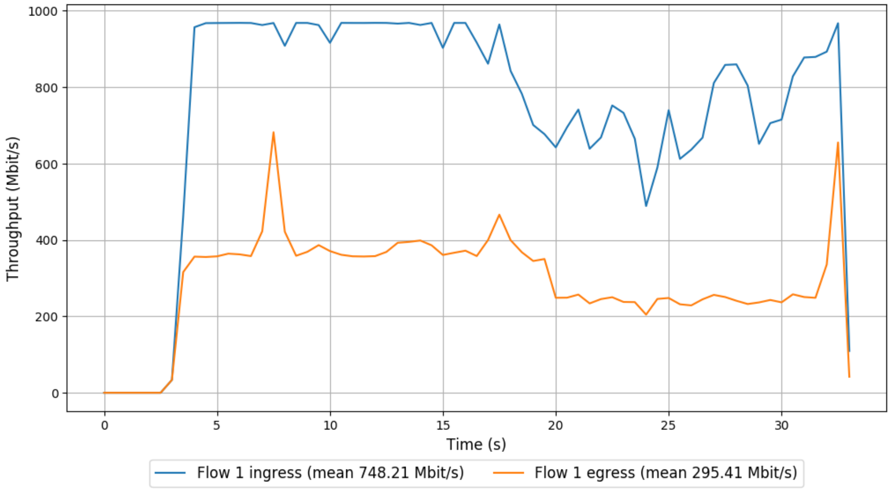
Run 4: Report of CalibratedKoho — Data Link

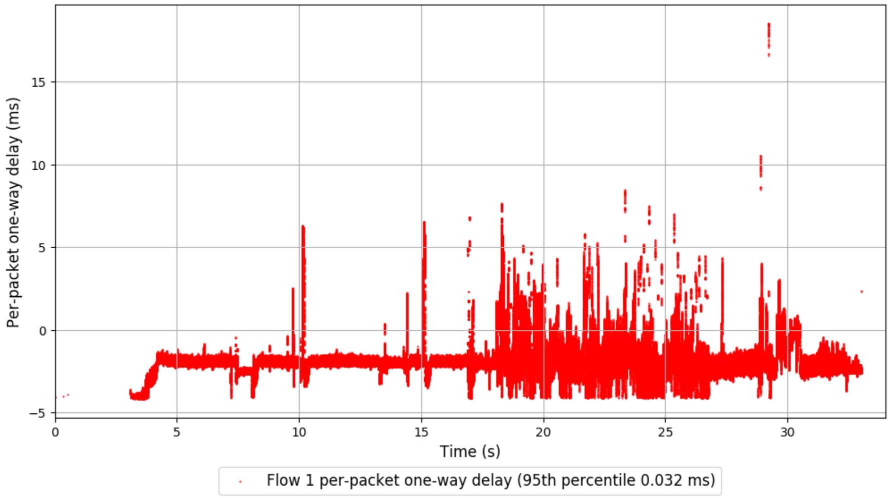




```
Run 5: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 12:15:46 +0000
End at: Tue, 13 Jun 2017 12:16:16 +0000
Local clock offset: 3.013 ms
Remote clock offset: -2.226 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:36:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 295.41 Mbit/s
95th percentile per-packet one-way delay: 0.032 ms
Loss rate: 60.54%
-- Flow 1:
Average throughput: 295.41 Mbit/s
95th percentile per-packet one-way delay: 0.032 ms
Loss rate: 60.54%
```

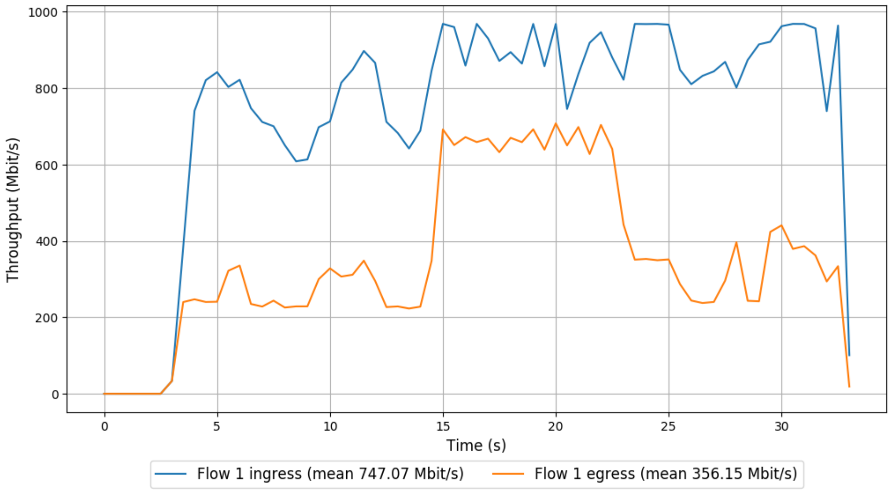
Run 5: Report of CalibratedKoho — Data Link

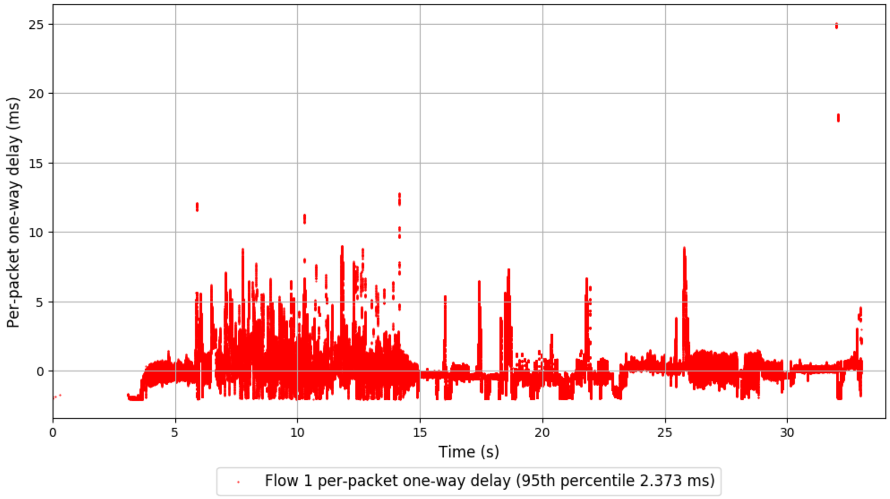




```
Run 6: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 12:36:57 +0000
End at: Tue, 13 Jun 2017 12:37:27 +0000
Local clock offset: 1.025 ms
Remote clock offset: -1.994 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:36:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.15 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 52.35%
-- Flow 1:
Average throughput: 356.15 Mbit/s
95th percentile per-packet one-way delay: 2.373 ms
Loss rate: 52.35%
```

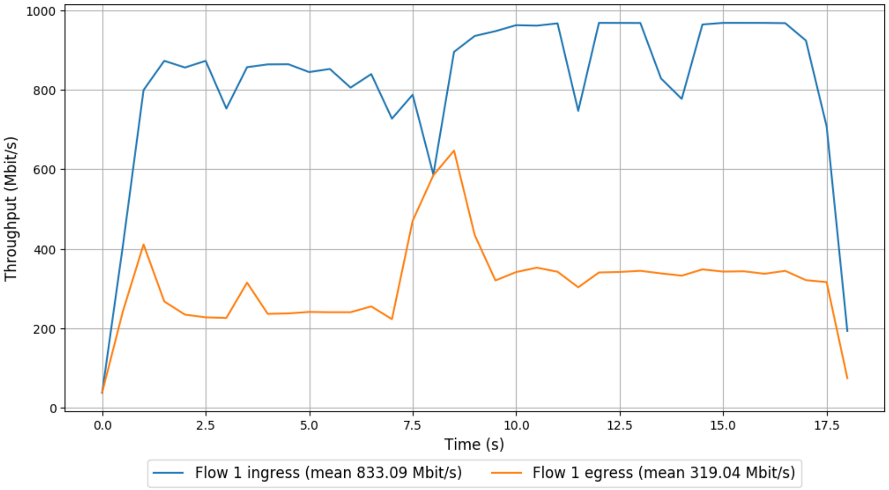
Run 6: Report of CalibratedKoho — Data Link

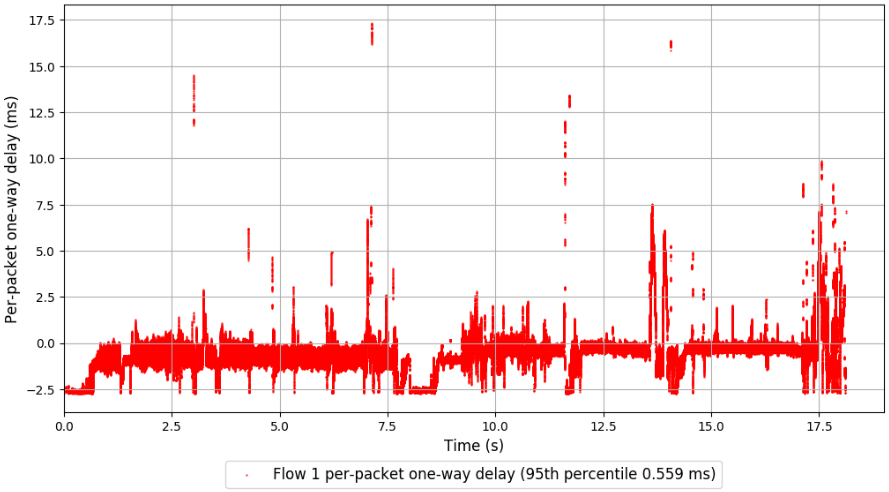




```
Run 7: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 12:58:12 +0000
End at: Tue, 13 Jun 2017 12:58:42 +0000
Local clock offset: 1.739 ms
Remote clock offset: -2.07 ms
```

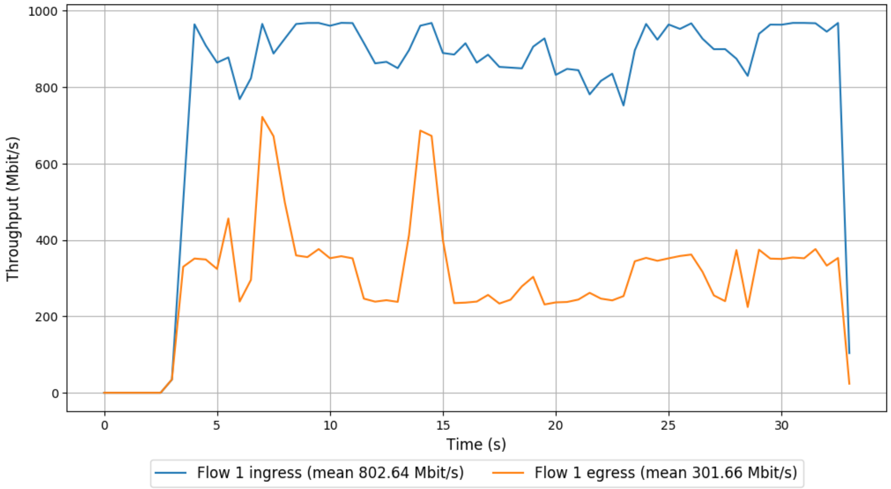
Run 7: Report of CalibratedKoho — Data Link

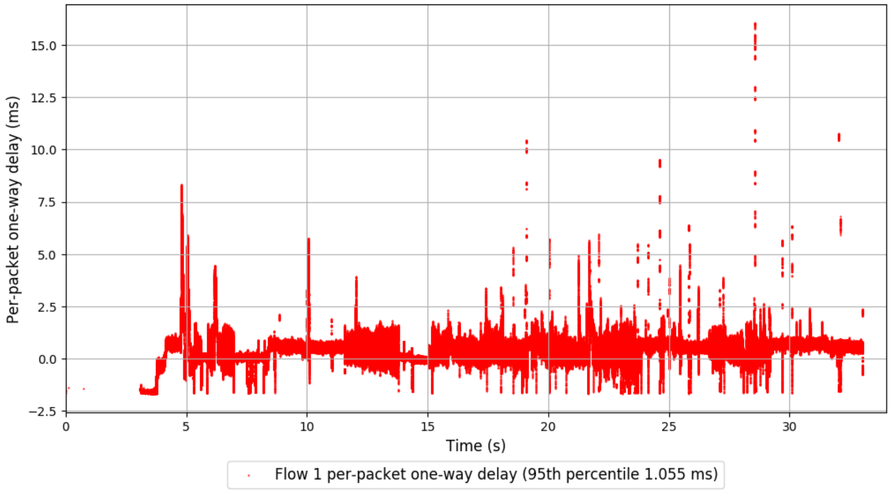




```
Run 8: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 13:19:13 +0000
End at: Tue, 13 Jun 2017 13:19:43 +0000
Local clock offset: 0.927 ms
Remote clock offset: -1.759 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:37:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 301.66 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 62.44%
-- Flow 1:
Average throughput: 301.66 Mbit/s
95th percentile per-packet one-way delay: 1.055 ms
Loss rate: 62.44%
```

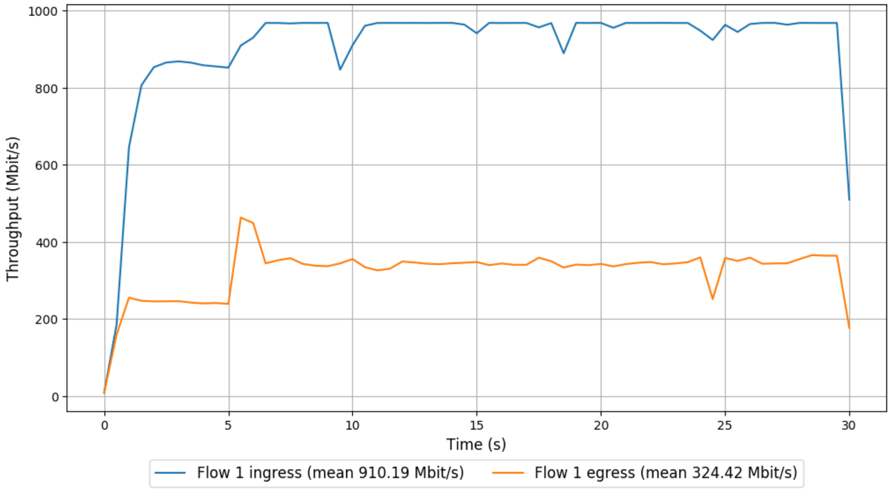
Run 8: Report of CalibratedKoho — Data Link

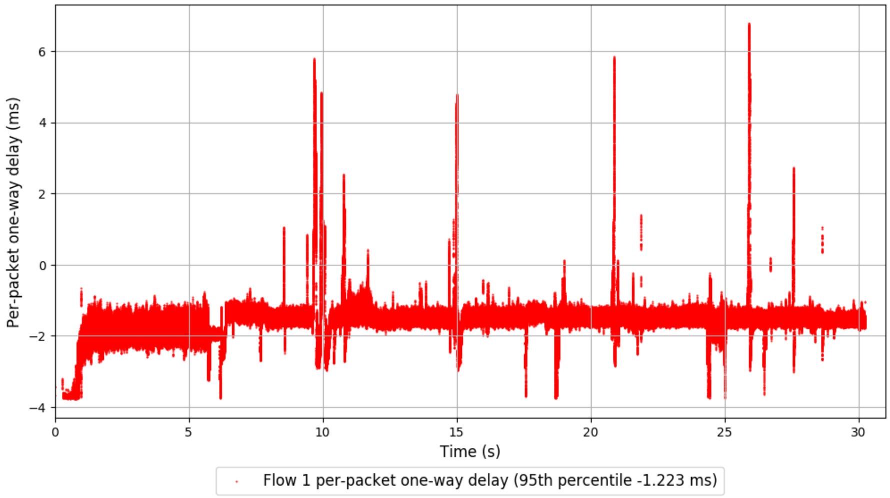




```
Run 9: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 13:40:29 +0000
End at: Tue, 13 Jun 2017 13:40:59 +0000
Local clock offset: 2.861 ms
Remote clock offset: -1.903 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:38:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 324.42 Mbit/s
95th percentile per-packet one-way delay: -1.223 ms
Loss rate: 64.38%
-- Flow 1:
Average throughput: 324.42 Mbit/s
95th percentile per-packet one-way delay: -1.223 ms
Loss rate: 64.38%
```

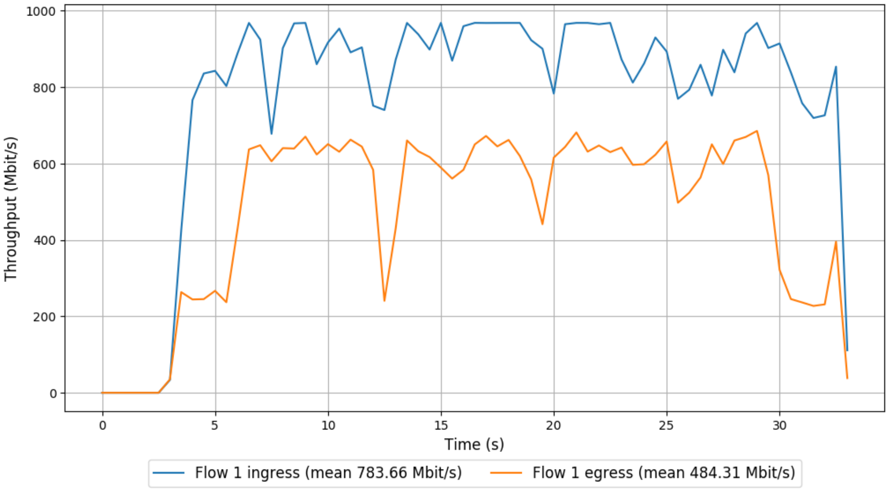
Run 9: Report of CalibratedKoho — Data Link

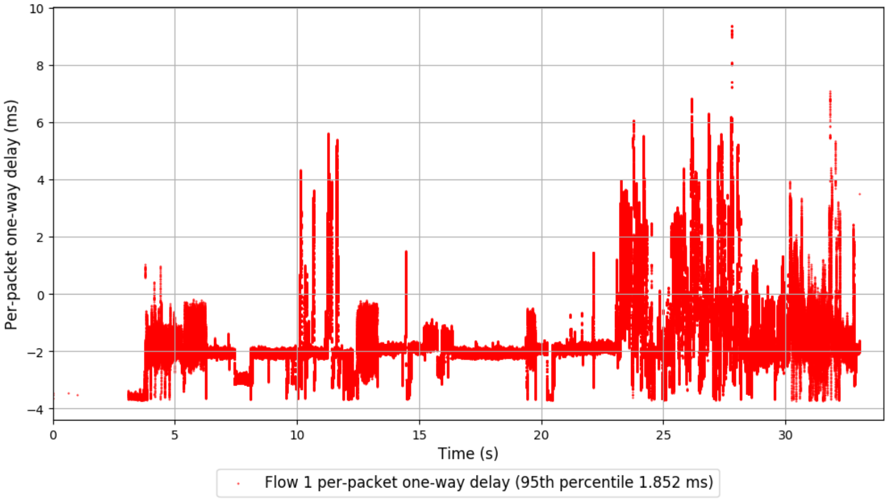




```
Run 10: Statistics of CalibratedKoho

Start at: Tue, 13 Jun 2017 14:01:39 +0000
End at: Tue, 13 Jun 2017 14:02:09 +0000
Local clock offset: 2.793 ms
Remote clock offset: -1.858 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:39:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 484.31 Mbit/s
95th percentile per-packet one-way delay: 1.852 ms
Loss rate: 38.23%
-- Flow 1:
Average throughput: 484.31 Mbit/s
95th percentile per-packet one-way delay: 1.852 ms
Loss rate: 38.23%
```

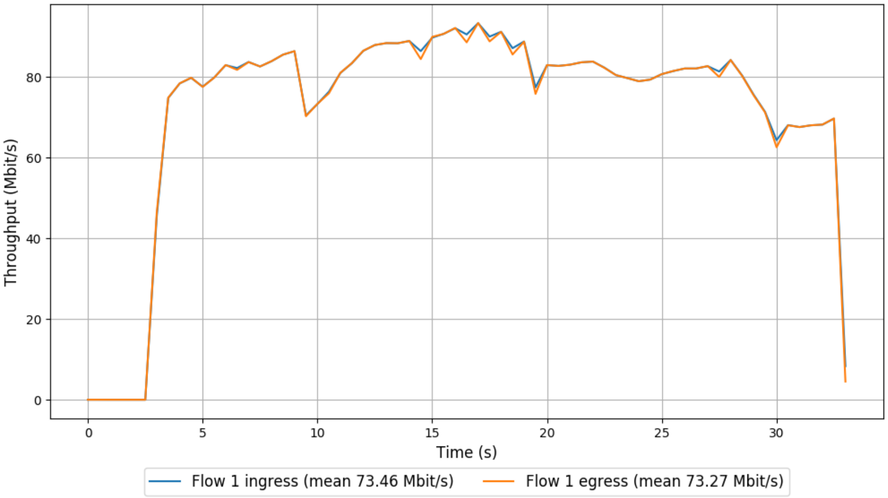
Run 10: Report of CalibratedKoho — Data Link

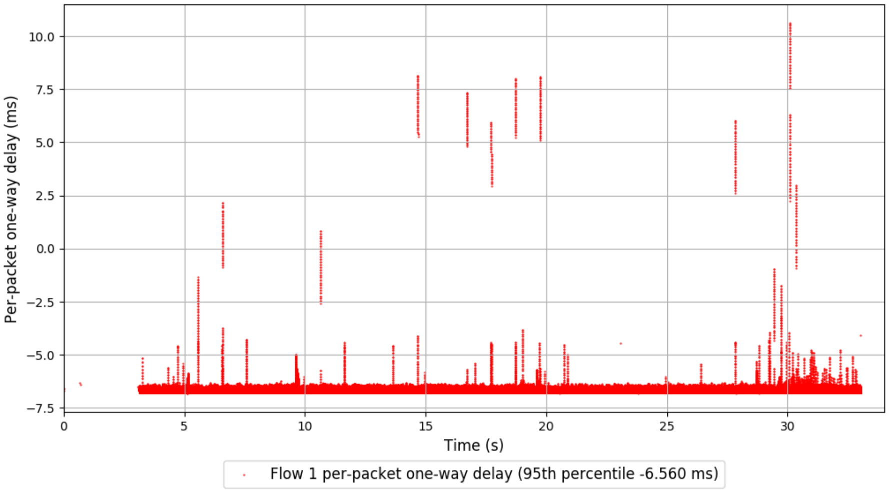




```
Run 1: Statistics of Copa

Start at: Tue, 13 Jun 2017 10:48:34 +0000
End at: Tue, 13 Jun 2017 10:49:04 +0000
Local clock offset: 5.343 ms
Remote clock offset: -2.396 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:39:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.27 Mbit/s
95th percentile per-packet one-way delay: -6.560 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 73.27 Mbit/s
95th percentile per-packet one-way delay: -6.560 ms
Loss rate: 0.31%
```

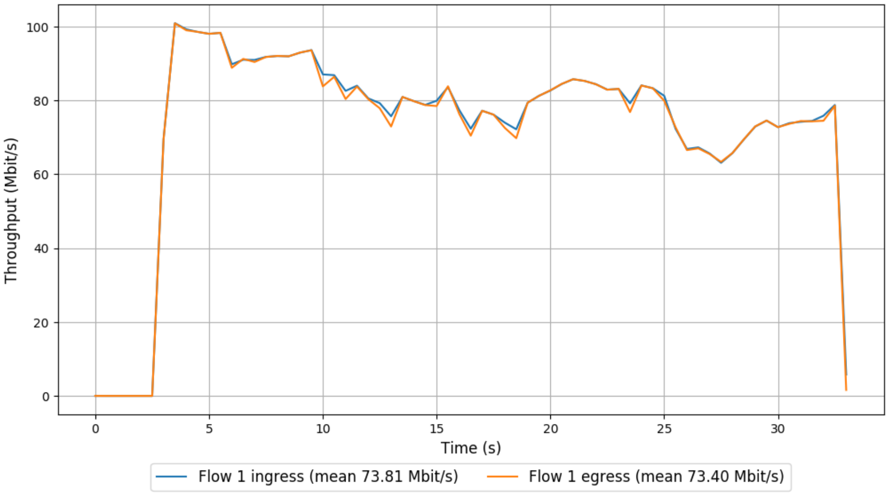
Run 1: Report of Copa — Data Link

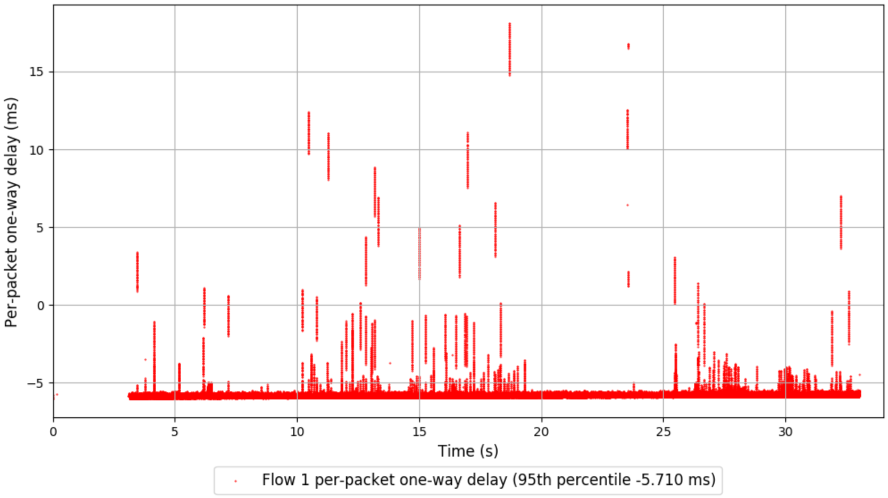




```
Run 2: Statistics of Copa

Start at: Tue, 13 Jun 2017 11:09:37 +0000
End at: Tue, 13 Jun 2017 11:10:07 +0000
Local clock offset: 4.976 ms
Remote clock offset: -2.208 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:39:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: -5.710 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 73.40 Mbit/s
95th percentile per-packet one-way delay: -5.710 ms
Loss rate: 0.61%
```

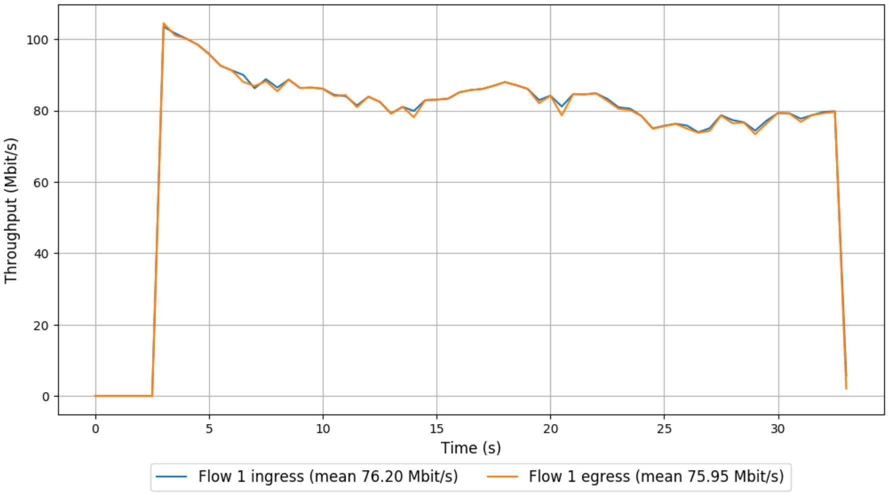
Run 2: Report of Copa — Data Link

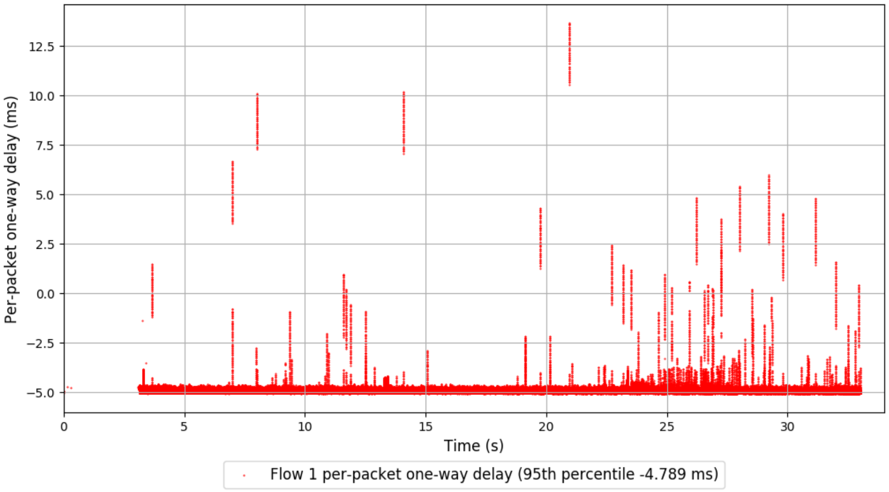




```
Run 3: Statistics of Copa

Start at: Tue, 13 Jun 2017 11:30:40 +0000
End at: Tue, 13 Jun 2017 11:31:10 +0000
Local clock offset: 3.83 ms
Remote clock offset: -2.221 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:39:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.95 Mbit/s
95th percentile per-packet one-way delay: -4.789 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 75.95 Mbit/s
95th percentile per-packet one-way delay: -4.789 ms
Loss rate: 0.39%
```

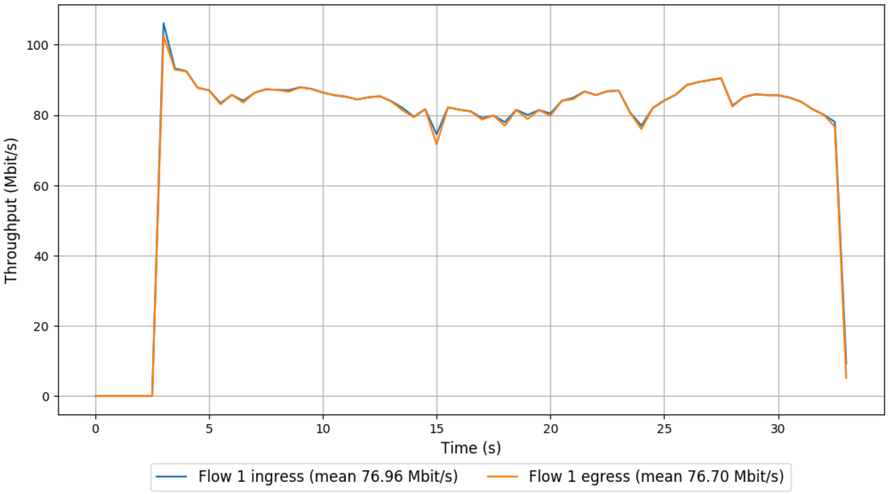
Run 3: Report of Copa — Data Link

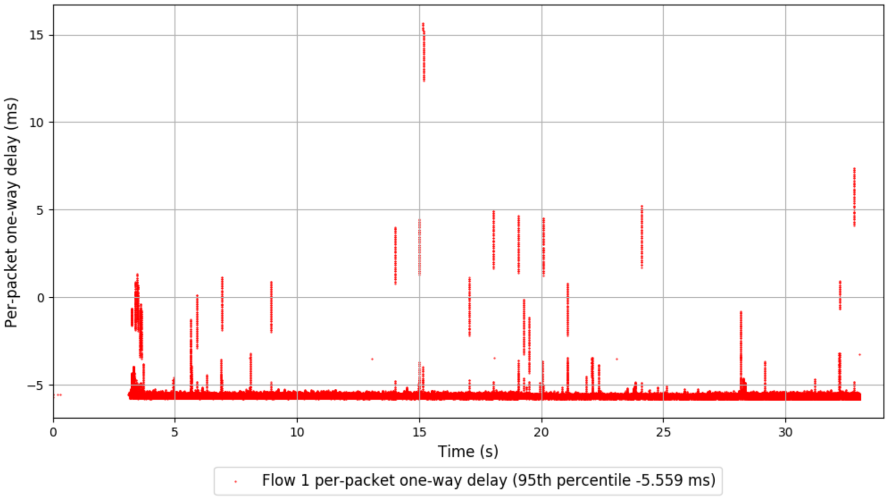




```
Run 4: Statistics of Copa

Start at: Tue, 13 Jun 2017 11:51:15 +0000
End at: Tue, 13 Jun 2017 11:51:45 +0000
Local clock offset: 4.314 ms
Remote clock offset: -2.485 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:39:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: -5.559 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: -5.559 ms
Loss rate: 0.38%
```

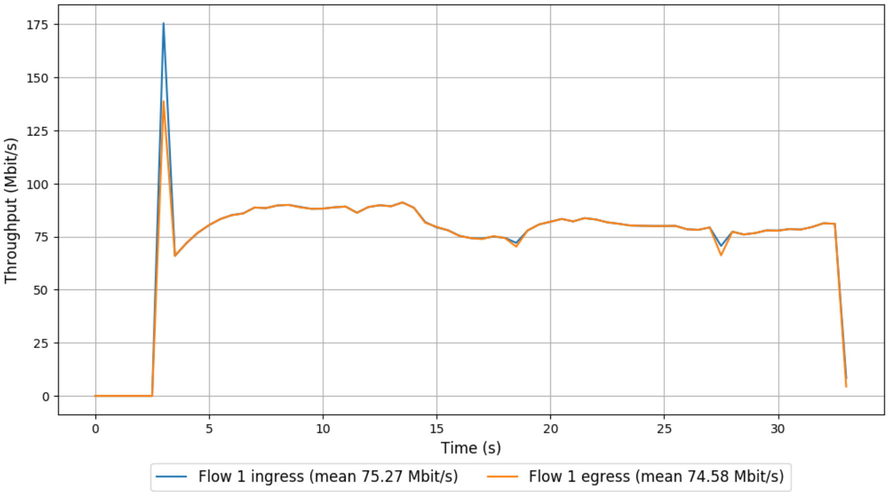
Run 4: Report of Copa — Data Link

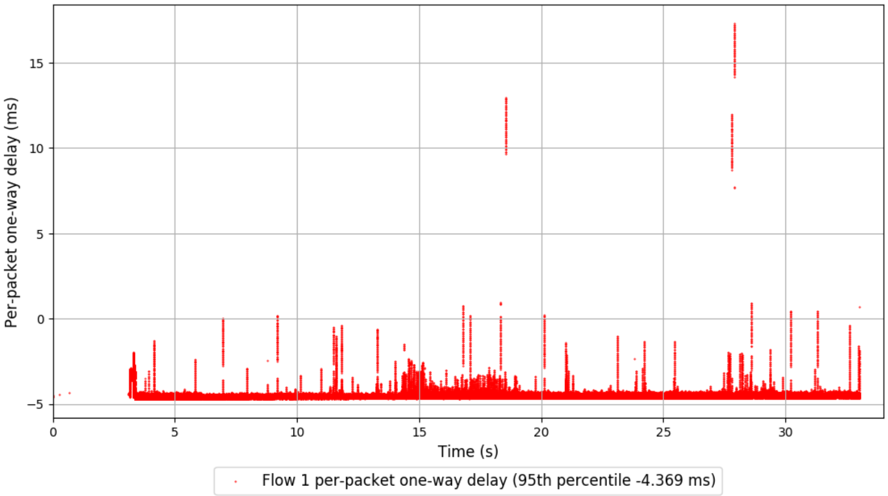




```
Run 5: Statistics of Copa

Start at: Tue, 13 Jun 2017 12:11:49 +0000
End at: Tue, 13 Jun 2017 12:12:19 +0000
Local clock offset: 3.507 ms
Remote clock offset: -2.248 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:39:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.58 Mbit/s
95th percentile per-packet one-way delay: -4.369 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 74.58 Mbit/s
95th percentile per-packet one-way delay: -4.369 ms
Loss rate: 0.96%
```

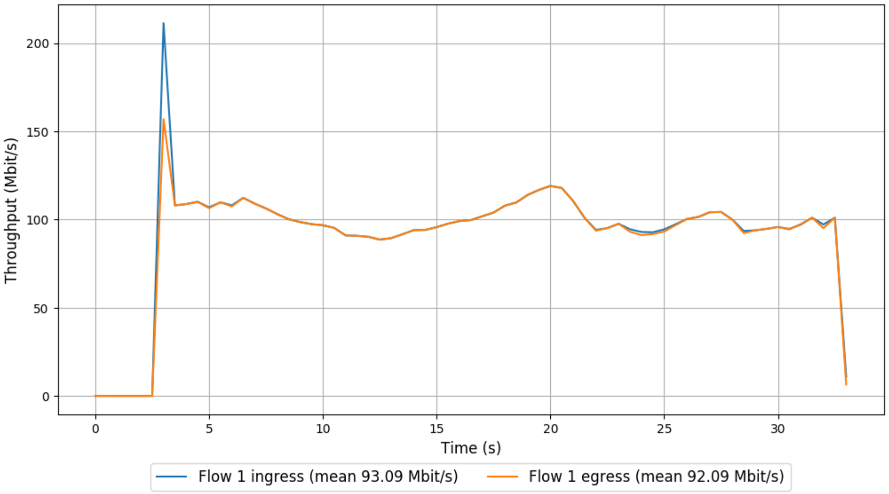
Run 5: Report of Copa — Data Link

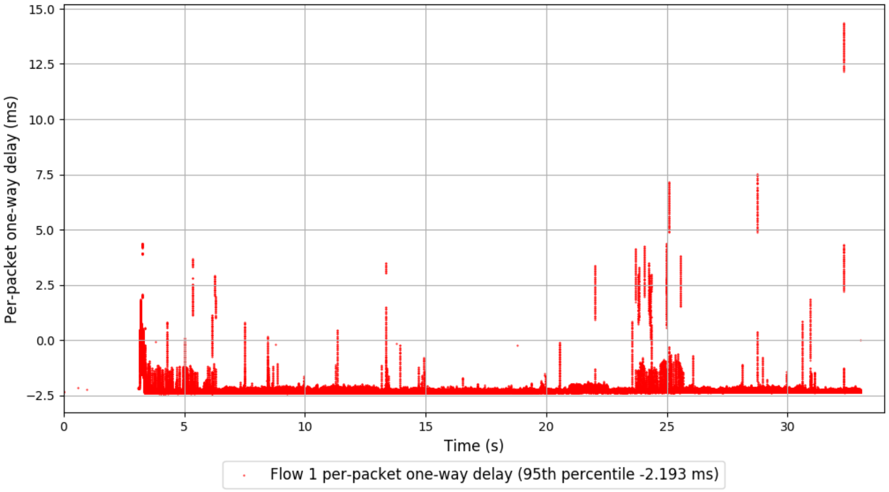




```
Run 6: Statistics of Copa

Start at: Tue, 13 Jun 2017 12:33:02 +0000
End at: Tue, 13 Jun 2017 12:33:32 +0000
Local clock offset: 1.391 ms
Remote clock offset: -2.037 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:39:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: -2.193 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 92.09 Mbit/s
95th percentile per-packet one-way delay: -2.193 ms
Loss rate: 1.14%
```

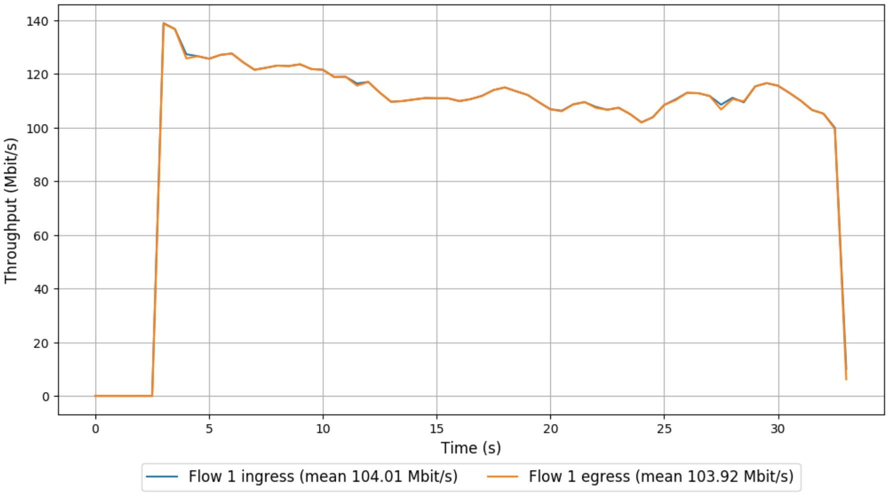
Run 6: Report of Copa — Data Link

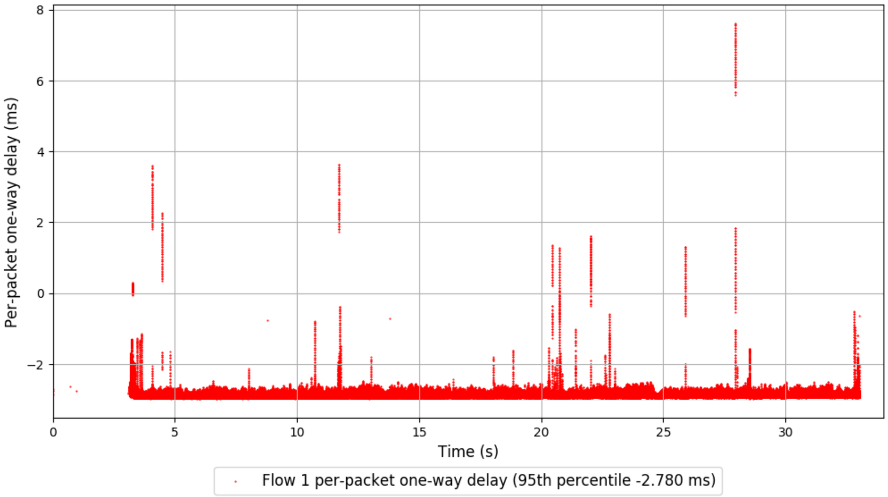




```
Run 7: Statistics of Copa

Start at: Tue, 13 Jun 2017 12:54:10 +0000
End at: Tue, 13 Jun 2017 12:54:41 +0000
Local clock offset: 1.817 ms
Remote clock offset: -2.04 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:40:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.92 Mbit/s
95th percentile per-packet one-way delay: -2.780 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 103.92 Mbit/s
95th percentile per-packet one-way delay: -2.780 ms
Loss rate: 0.14%
```

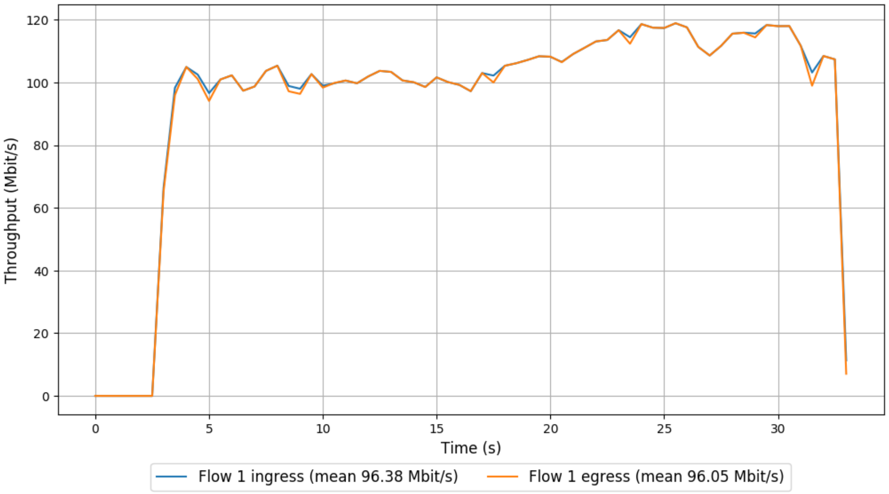
Run 7: Report of Copa — Data Link

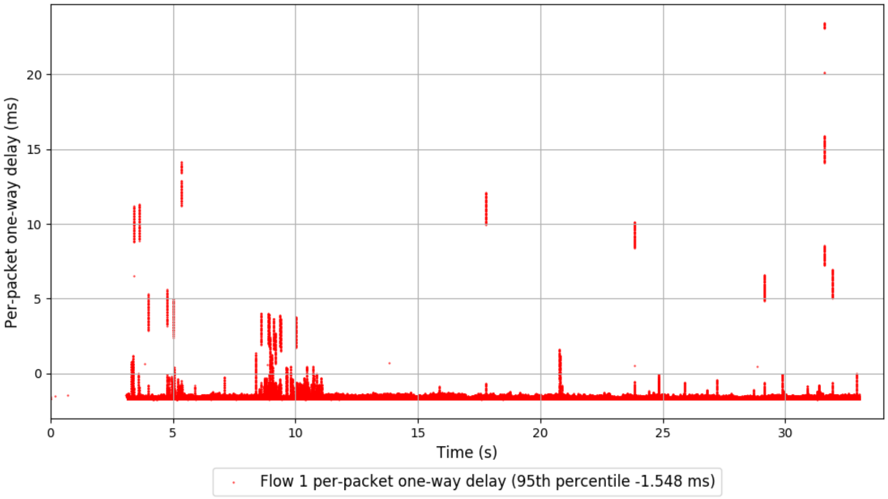




```
Run 8: Statistics of Copa

Start at: Tue, 13 Jun 2017 13:15:12 +0000
End at: Tue, 13 Jun 2017 13:15:42 +0000
Local clock offset: 0.922 ms
Remote clock offset: -1.863 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:40:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: -1.548 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: -1.548 ms
Loss rate: 0.40%
```

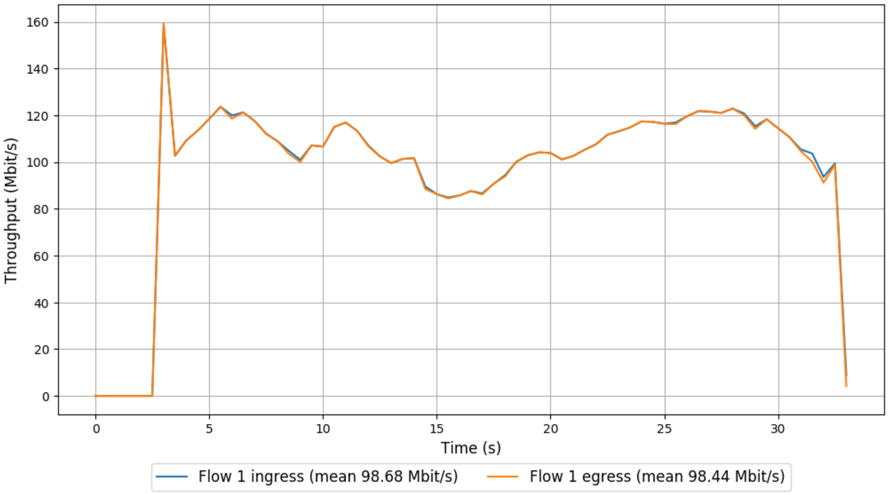
Run 8: Report of Copa — Data Link

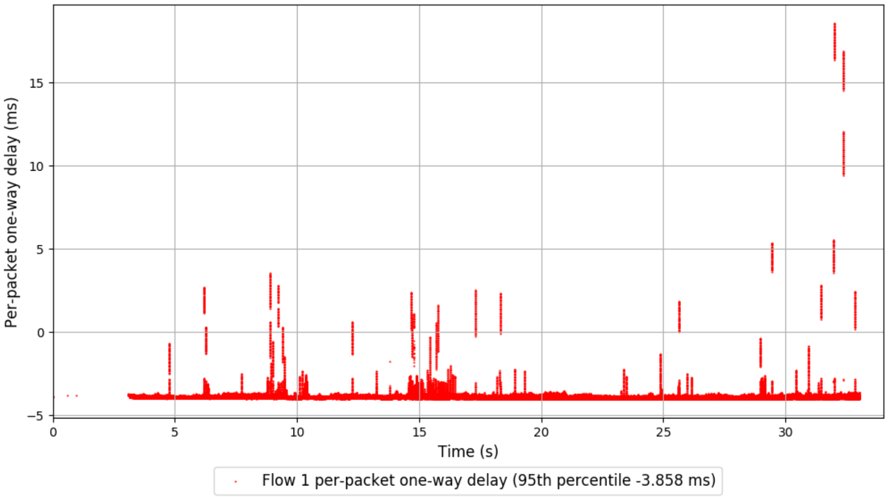




```
Run 9: Statistics of Copa

Start at: Tue, 13 Jun 2017 13:36:29 +0000
End at: Tue, 13 Jun 2017 13:36:59 +0000
Local clock offset: 3.072 ms
Remote clock offset: -1.927 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:40:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.44 Mbit/s
95th percentile per-packet one-way delay: -3.858 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 98.44 Mbit/s
95th percentile per-packet one-way delay: -3.858 ms
Loss rate: 0.30%
```

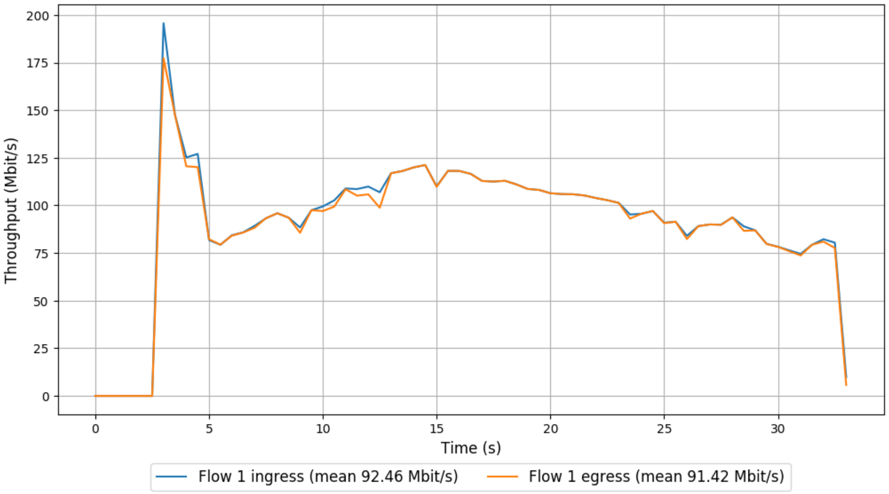
Run 9: Report of Copa — Data Link

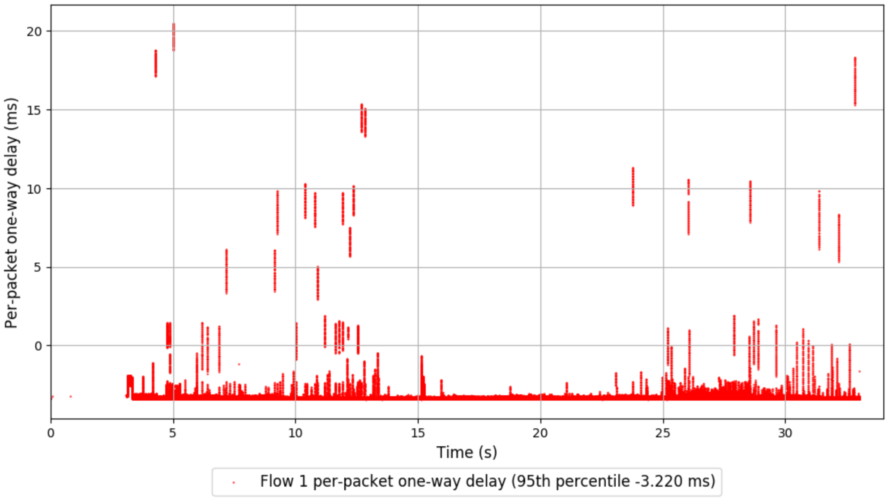




```
Run 10: Statistics of Copa

Start at: Tue, 13 Jun 2017 13:57:38 +0000
End at: Tue, 13 Jun 2017 13:58:08 +0000
Local clock offset: 2.596 ms
Remote clock offset: -1.724 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:40:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: -3.220 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 91.42 Mbit/s
95th percentile per-packet one-way delay: -3.220 ms
Loss rate: 1.18%
```

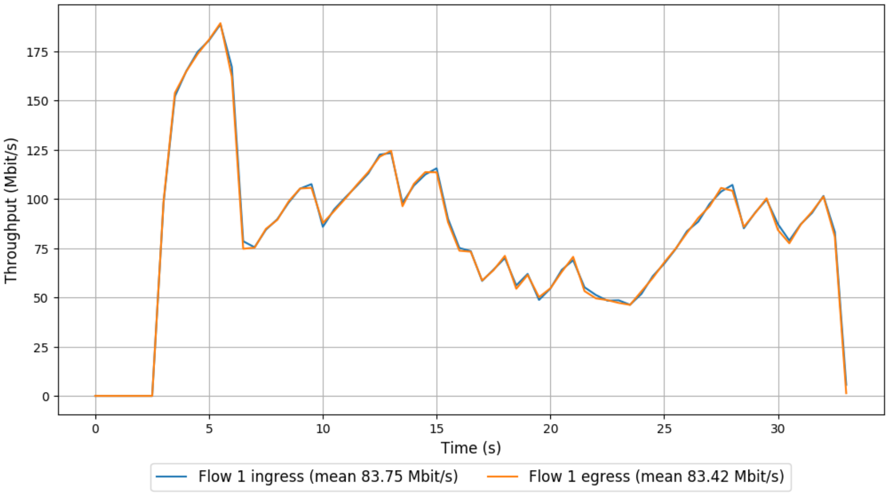
Run 10: Report of Copa — Data Link

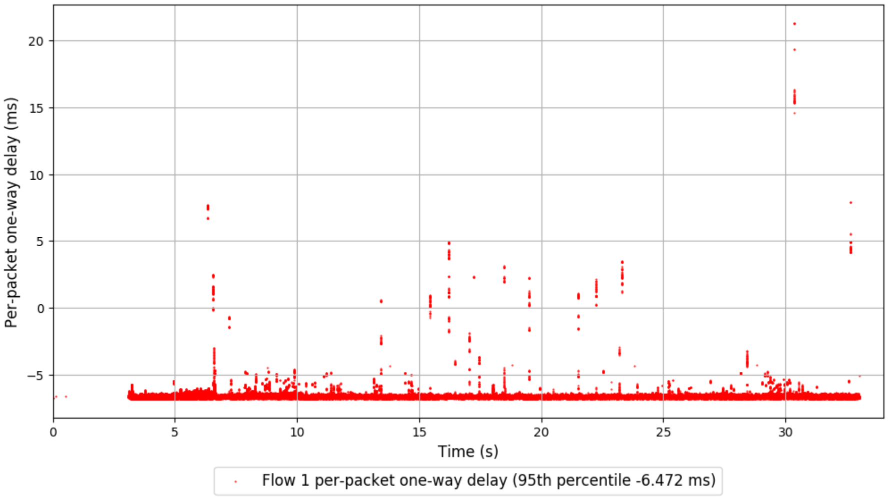




```
Run 1: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 10:49:56 +0000
End at: Tue, 13 Jun 2017 10:50:26 +0000
Local clock offset: 5.303 ms
Remote clock offset: -2.397 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:40:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: -6.472 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: -6.472 ms
Loss rate: 0.45%
```

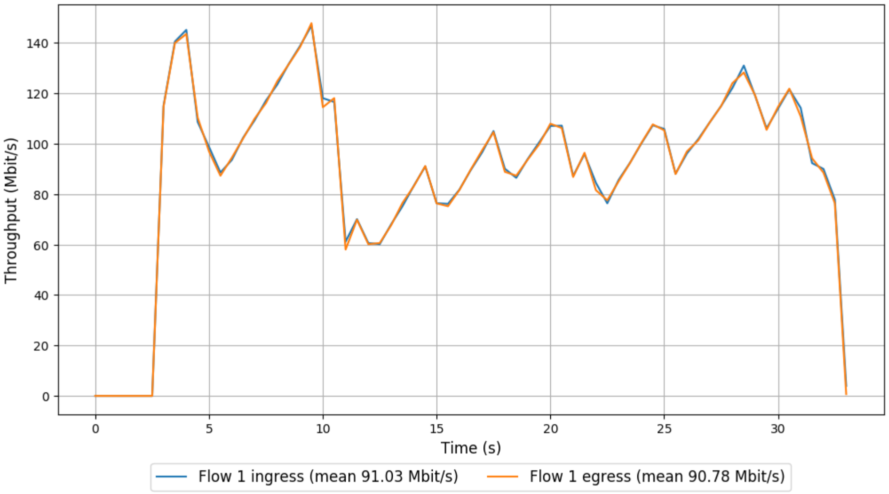
Run 1: Report of TCP Cubic — Data Link

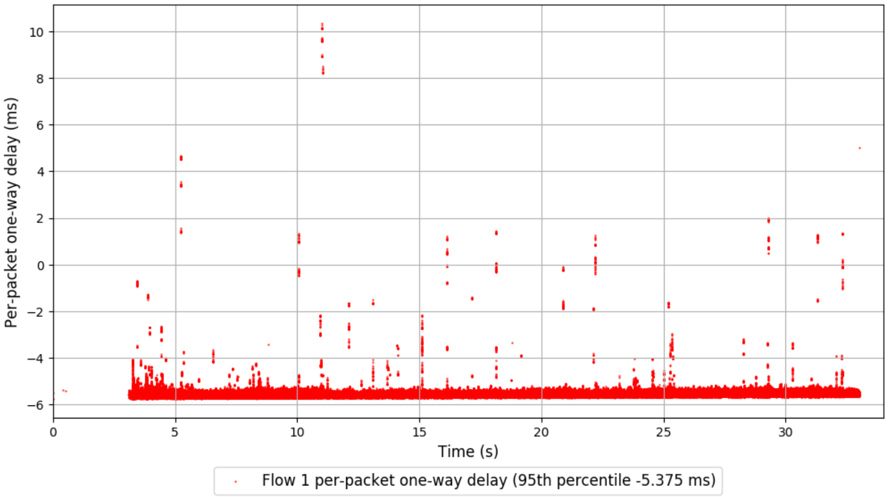




```
Run 2: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 11:11:00 +0000
End at: Tue, 13 Jun 2017 11:11:30 +0000
Local clock offset: 4.61 ms
Remote clock offset: -2.188 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:41:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.78 Mbit/s
95th percentile per-packet one-way delay: -5.375 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 90.78 Mbit/s
95th percentile per-packet one-way delay: -5.375 ms
Loss rate: 0.31%
```

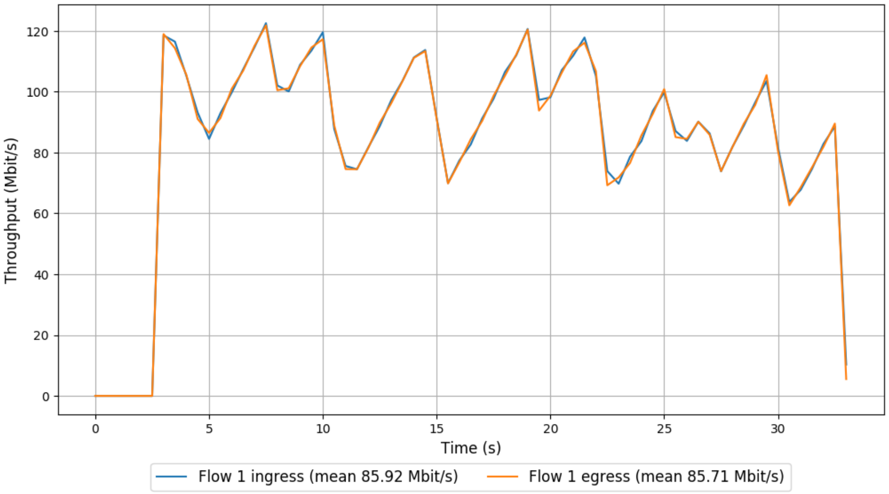
Run 2: Report of TCP Cubic — Data Link

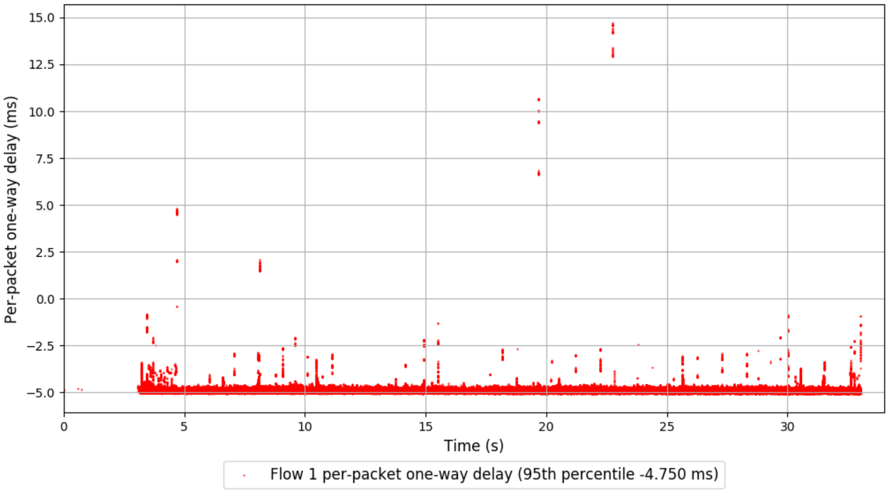




```
Run 3: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 11:32:03 +0000
End at: Tue, 13 Jun 2017 11:32:33 +0000
Local clock offset: 3.75 ms
Remote clock offset: -2.155 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:41:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: -4.750 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 85.71 Mbit/s
95th percentile per-packet one-way delay: -4.750 ms
Loss rate: 0.29%
```

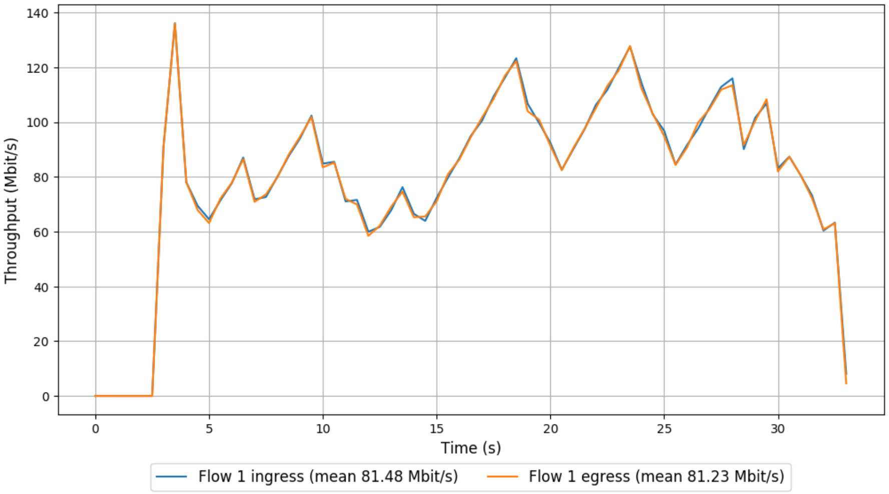
Run 3: Report of TCP Cubic — Data Link

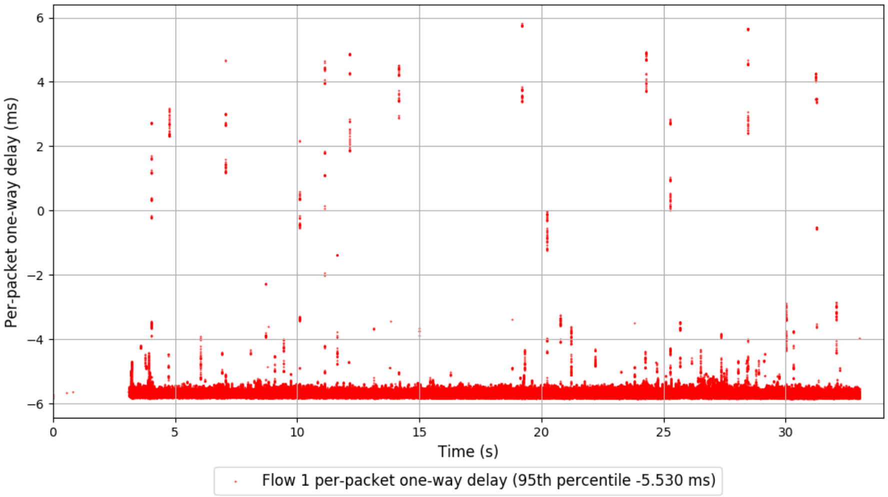




```
Run 4: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 11:52:38 +0000
End at: Tue, 13 Jun 2017 11:53:08 +0000
Local clock offset: 4.403 ms
Remote clock offset: -2.406 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:41:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.23 Mbit/s
95th percentile per-packet one-way delay: -5.530 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 81.23 Mbit/s
95th percentile per-packet one-way delay: -5.530 ms
Loss rate: 0.36%
```

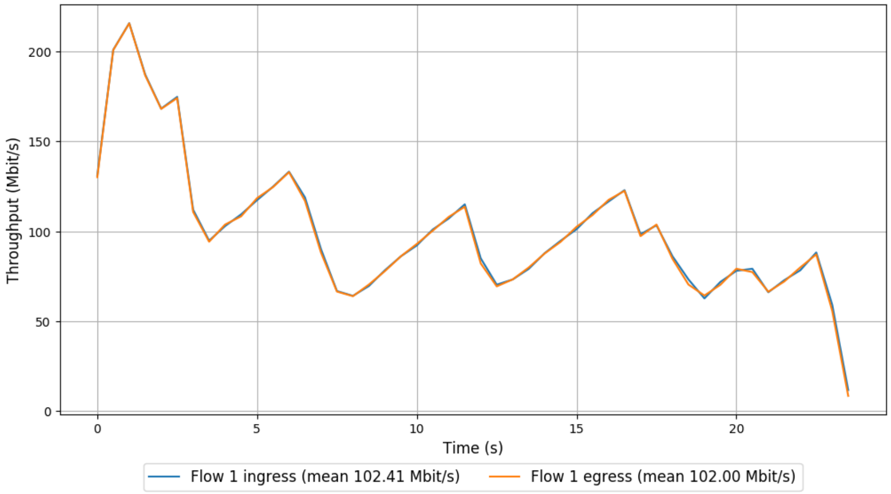
Run 4: Report of TCP Cubic — Data Link

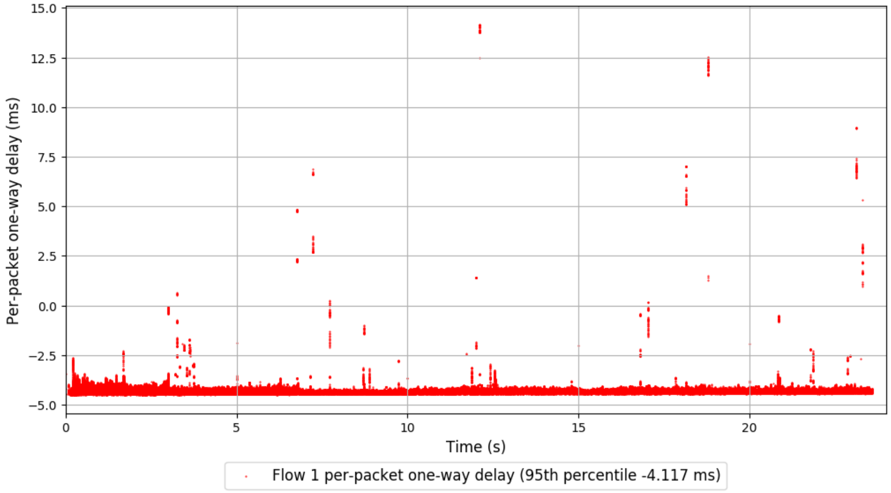




```
Run 5: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 12:13:11 +0000
End at: Tue, 13 Jun 2017 12:13:41 +0000
Local clock offset: 3.432 ms
Remote clock offset: -2.227 ms
```

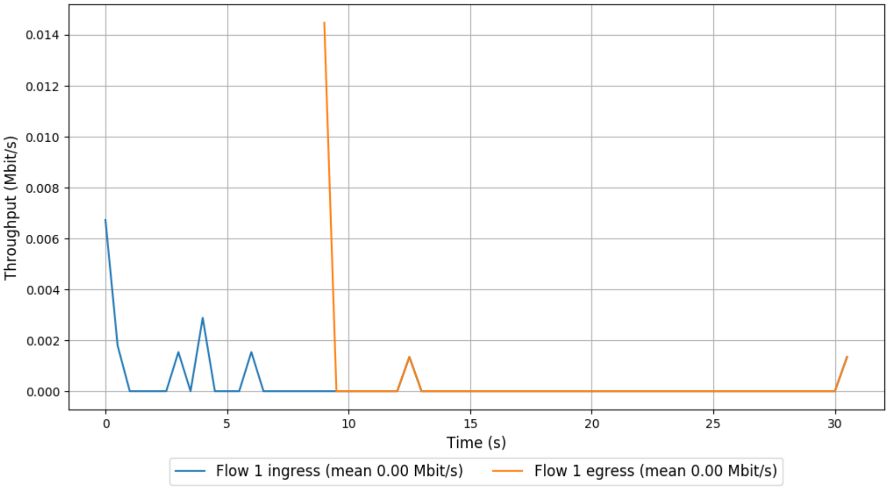
Run 5: Report of TCP Cubic — Data Link

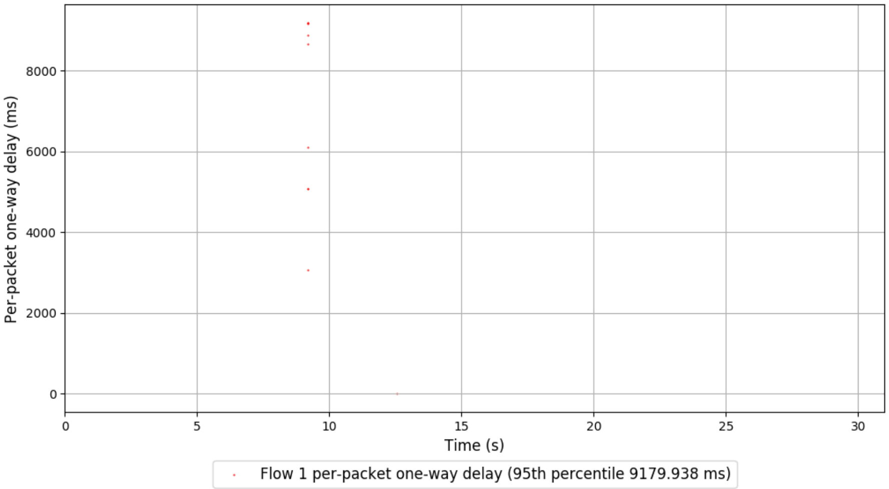




```
Run 6: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 12:34:26 +0000
End at: Tue, 13 Jun 2017 12:34:56 +0000
Local clock offset: 1.37 ms
Remote clock offset: -2.009 ms
```

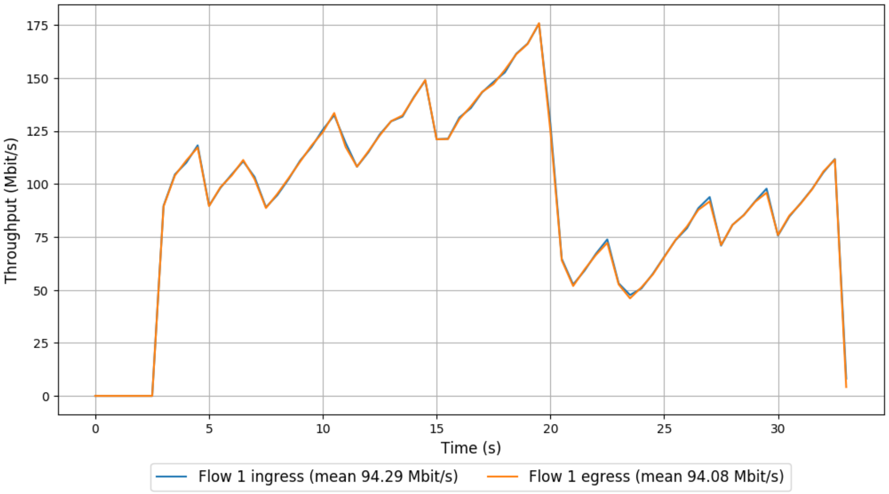
Run 6: Report of TCP Cubic — Data Link

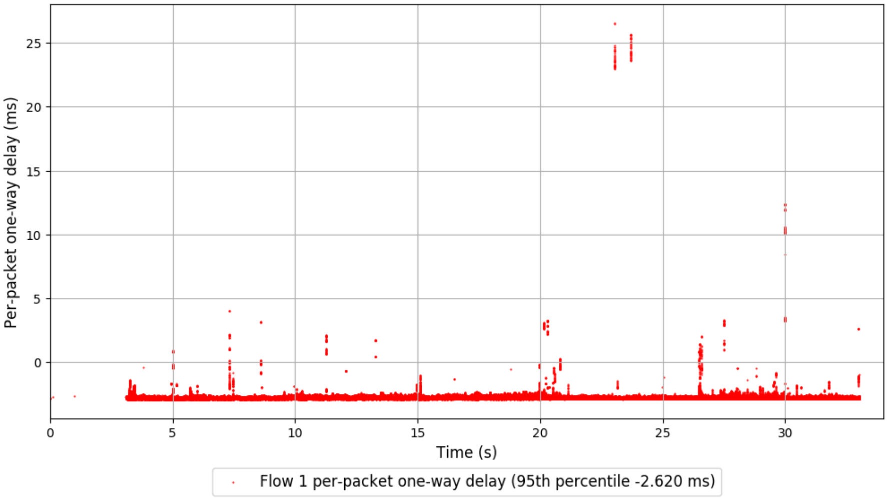




```
Run 7: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 12:55:36 +0000
End at: Tue, 13 Jun 2017 12:56:06 +0000
Local clock offset: 1.946 ms
Remote clock offset: -2.078 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:41:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: -2.620 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 94.08 Mbit/s
95th percentile per-packet one-way delay: -2.620 ms
Loss rate: 0.29%
```

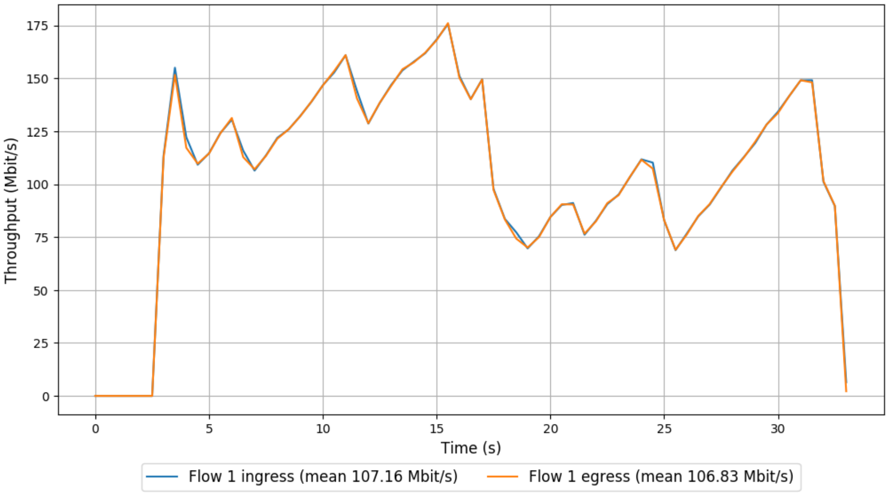
Run 7: Report of TCP Cubic — Data Link

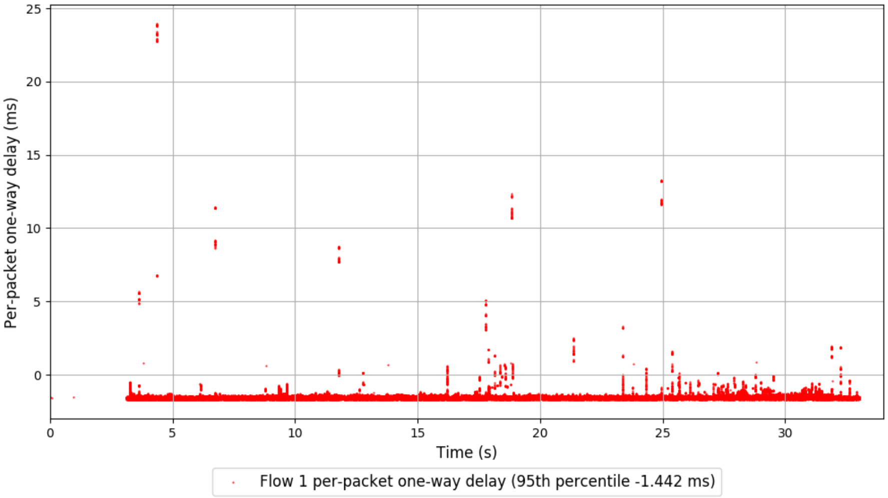




```
Run 8: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 13:16:37 +0000
End at: Tue, 13 Jun 2017 13:17:07 +0000
Local clock offset: 0.907 ms
Remote clock offset: -1.782 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:41:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.83 Mbit/s
95th percentile per-packet one-way delay: -1.442 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 106.83 Mbit/s
95th percentile per-packet one-way delay: -1.442 ms
Loss rate: 0.37%
```

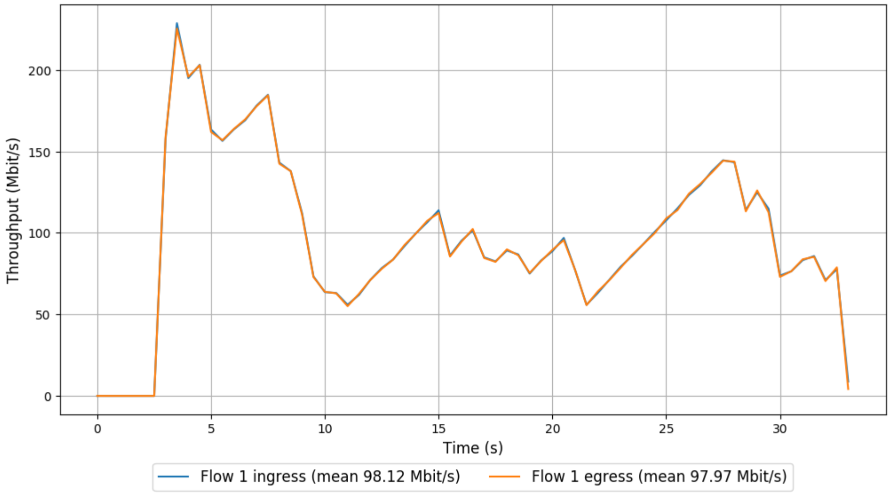
Run 8: Report of TCP Cubic — Data Link

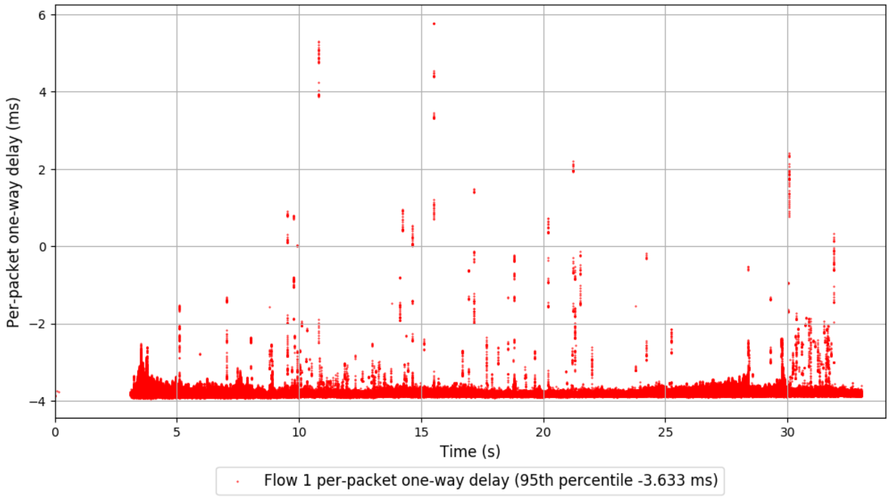




```
Run 9: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 13:37:54 +0000
End at: Tue, 13 Jun 2017 13:38:24 +0000
Local clock offset: 3.058 ms
Remote clock offset: -1.914 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:41:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.97 Mbit/s
95th percentile per-packet one-way delay: -3.633 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 97.97 Mbit/s
95th percentile per-packet one-way delay: -3.633 ms
Loss rate: 0.20%
```

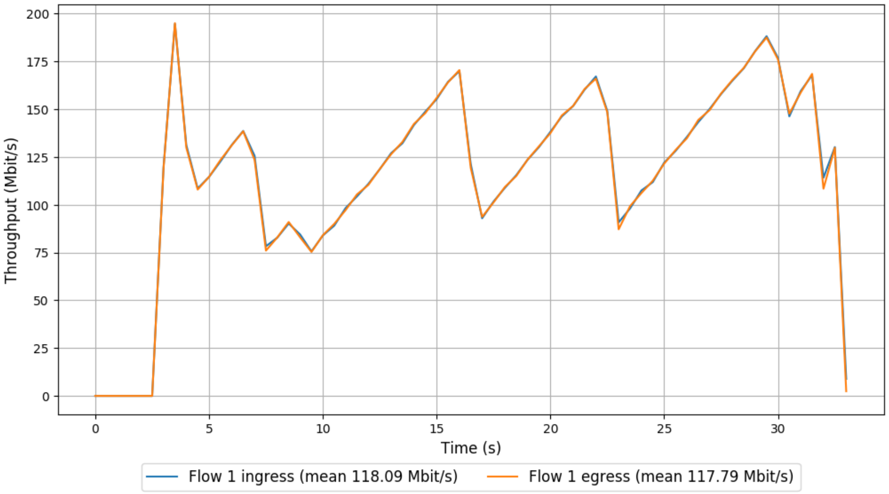
Run 9: Report of TCP Cubic — Data Link

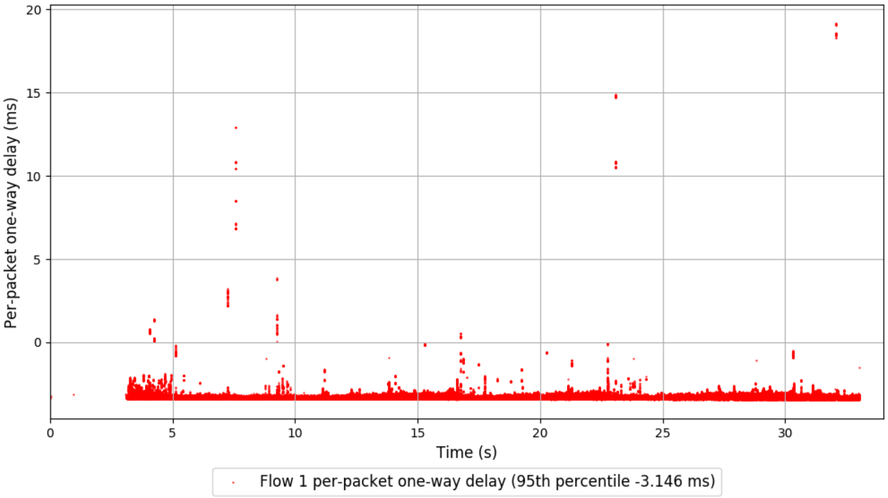




```
Run 10: Statistics of TCP Cubic

Start at: Tue, 13 Jun 2017 13:59:02 +0000
End at: Tue, 13 Jun 2017 13:59:32 +0000
Local clock offset: 2.705 ms
Remote clock offset: -1.702 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:41:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 117.79 Mbit/s
95th percentile per-packet one-way delay: -3.146 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 117.79 Mbit/s
95th percentile per-packet one-way delay: -3.146 ms
Loss rate: 0.30%
```

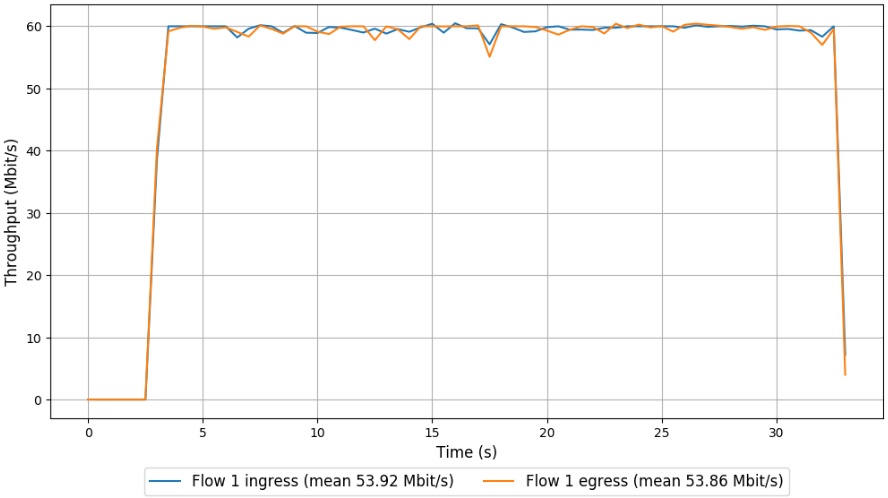
Run 10: Report of TCP Cubic — Data Link

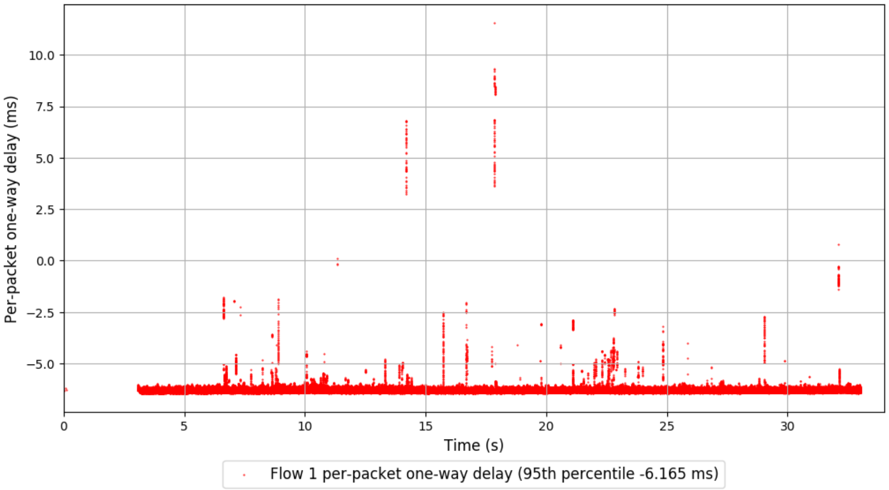




```
Run 1: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 11:02:54 +0000
End at: Tue, 13 Jun 2017 11:03:24 +0000
Local clock offset: 5.093 ms
Remote clock offset: -2.306 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:41:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: -6.165 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: -6.165 ms
Loss rate: 0.18%
```

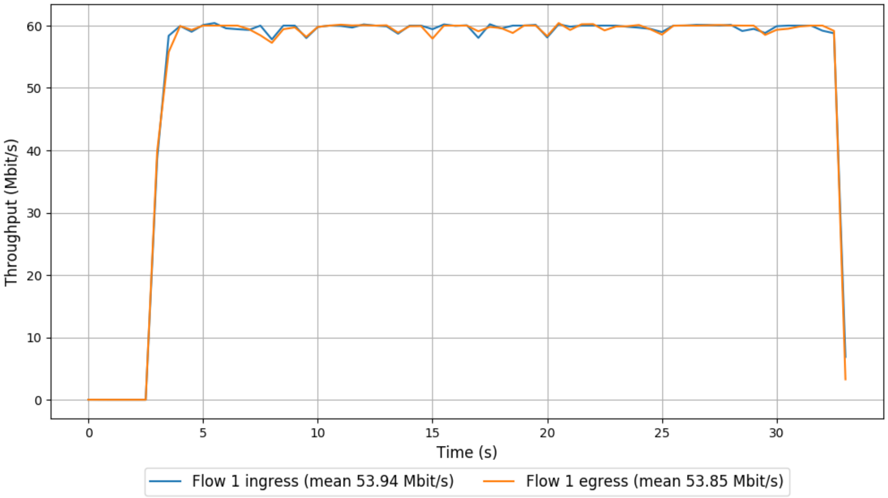
Run 1: Report of KohoCC — Data Link

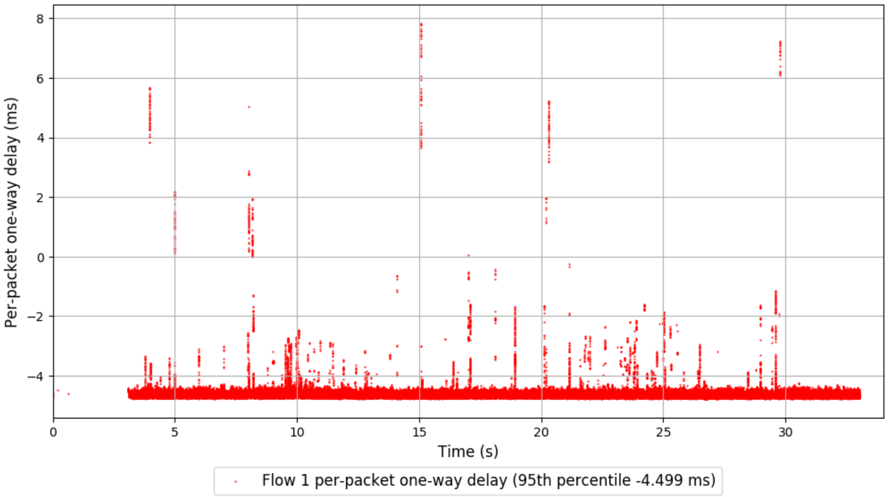




```
Run 2: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 11:23:54 +0000
End at: Tue, 13 Jun 2017 11:24:24 +0000
Local clock offset: 3.664 ms
Remote clock offset: -2.066 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:41:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: -4.499 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 53.85 Mbit/s
95th percentile per-packet one-way delay: -4.499 ms
Loss rate: 0.23%
```

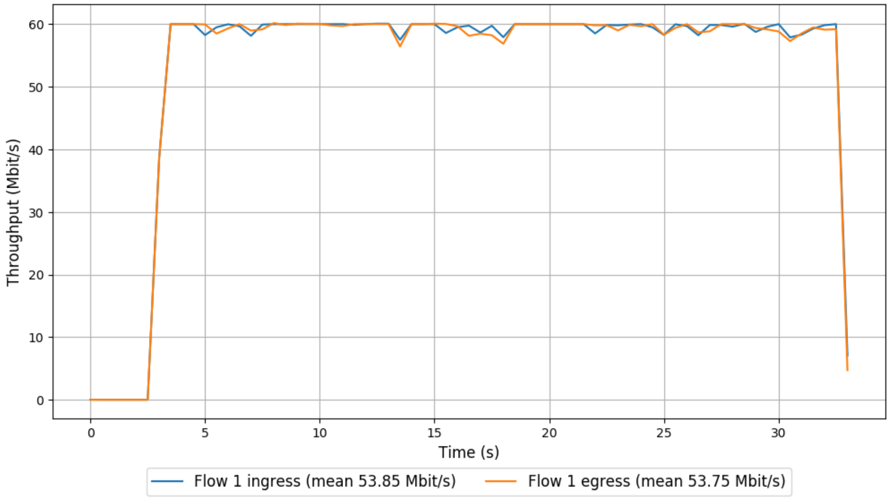
Run 2: Report of KohoCC — Data Link

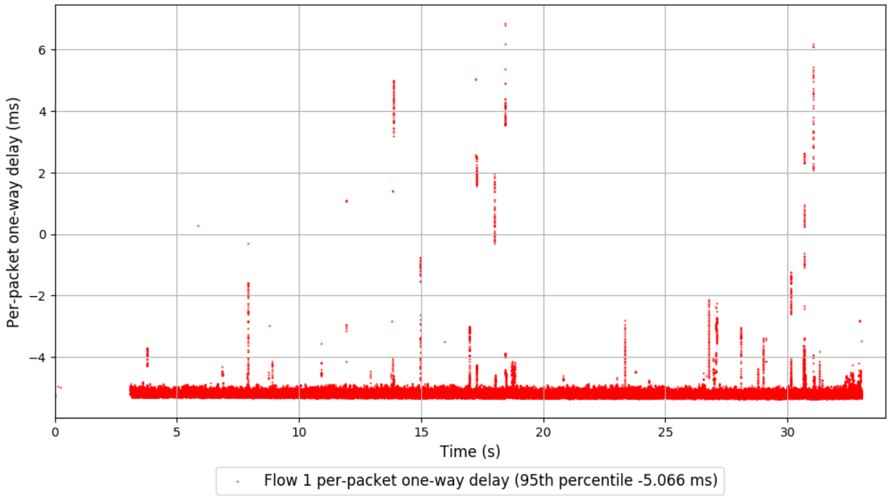




```
Run 3: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 11:44:32 +0000
End at: Tue, 13 Jun 2017 11:45:02 +0000
Local clock offset: 3.689 ms
Remote clock offset: -2.562 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:41:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.75 Mbit/s
95th percentile per-packet one-way delay: -5.066 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 53.75 Mbit/s
95th percentile per-packet one-way delay: -5.066 ms
Loss rate: 0.24%
```

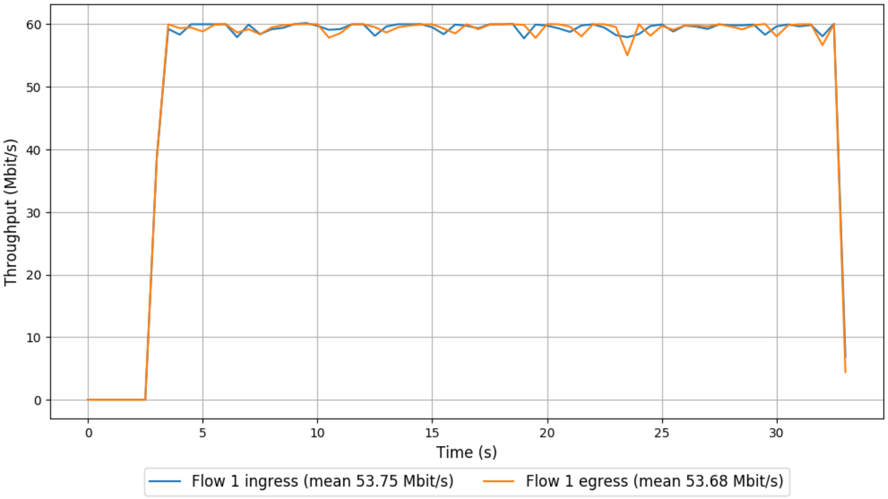
Run 3: Report of KohoCC — Data Link

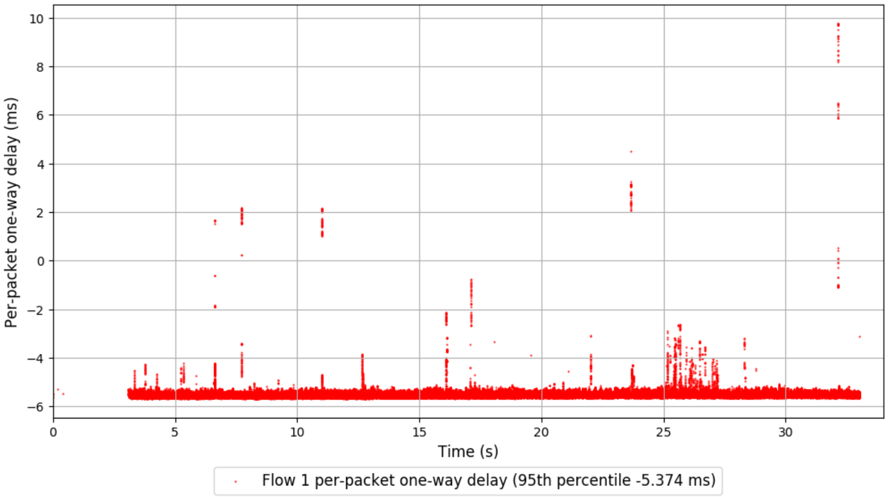




```
Run 4: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 12:05:05 +0000
End at: Tue, 13 Jun 2017 12:05:35 +0000
Local clock offset: 4.405 ms
Remote clock offset: -2.259 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:42:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: -5.374 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: -5.374 ms
Loss rate: 0.18%
```

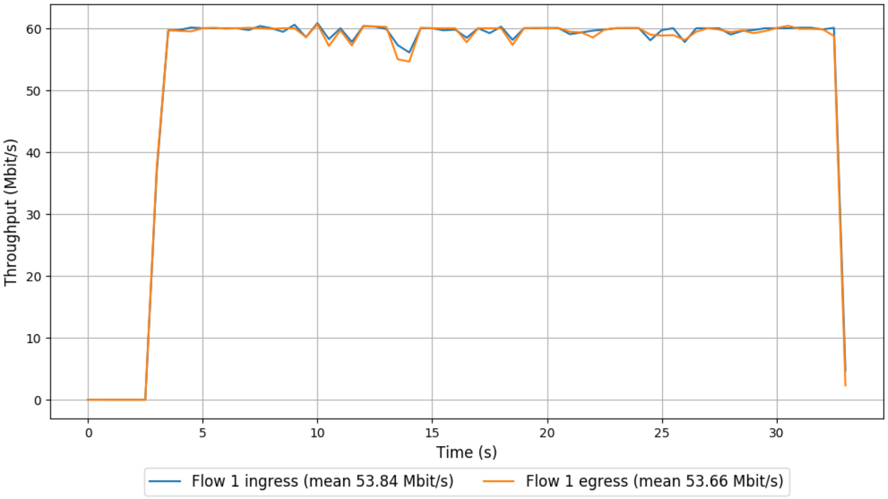
Run 4: Report of KohoCC — Data Link

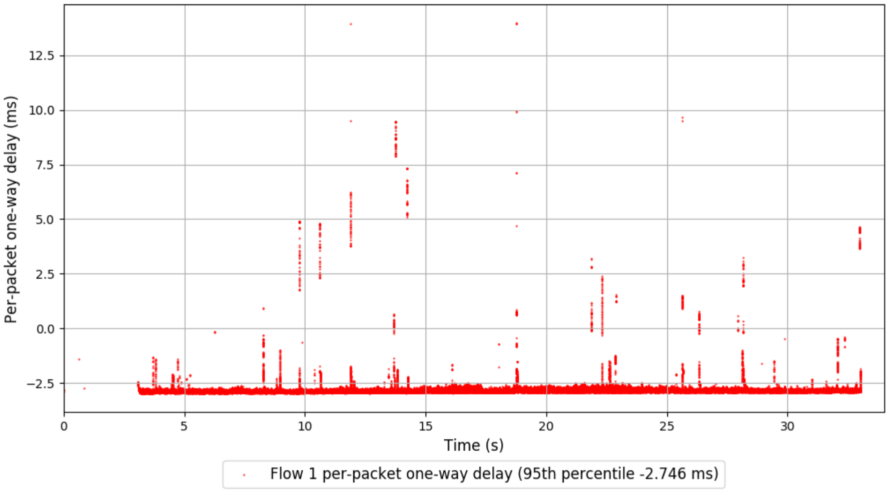




```
Run 5: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 12:26:15 +0000
End at: Tue, 13 Jun 2017 12:26:45 +0000
Local clock offset: 1.817 ms
Remote clock offset: -2.137 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:42:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.66 Mbit/s
95th percentile per-packet one-way delay: -2.746 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 53.66 Mbit/s
95th percentile per-packet one-way delay: -2.746 ms
Loss rate: 0.35%
```

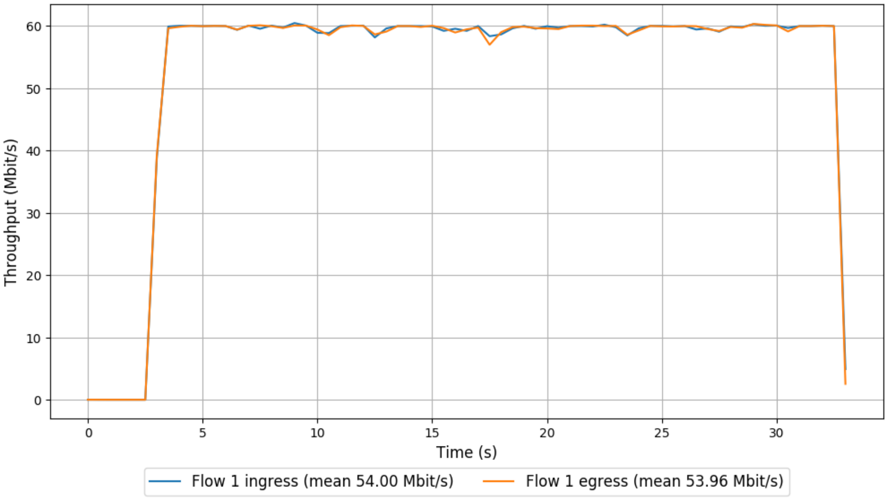
Run 5: Report of KohoCC — Data Link

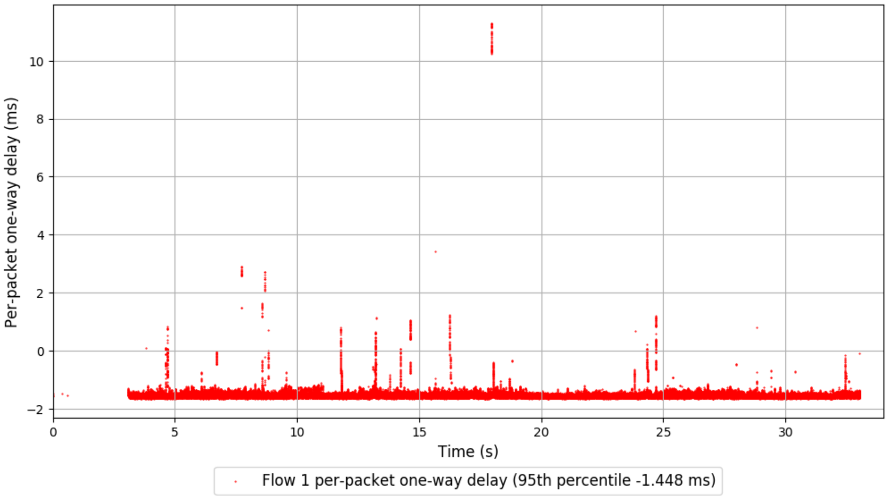




```
Run 6: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 12:47:28 +0000
End at: Tue, 13 Jun 2017 12:47:58 +0000
Local clock offset: 0.788 ms
Remote clock offset: -1.843 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:42:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.96 Mbit/s
95th percentile per-packet one-way delay: -1.448 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 53.96 Mbit/s
95th percentile per-packet one-way delay: -1.448 ms
Loss rate: 0.11%
```

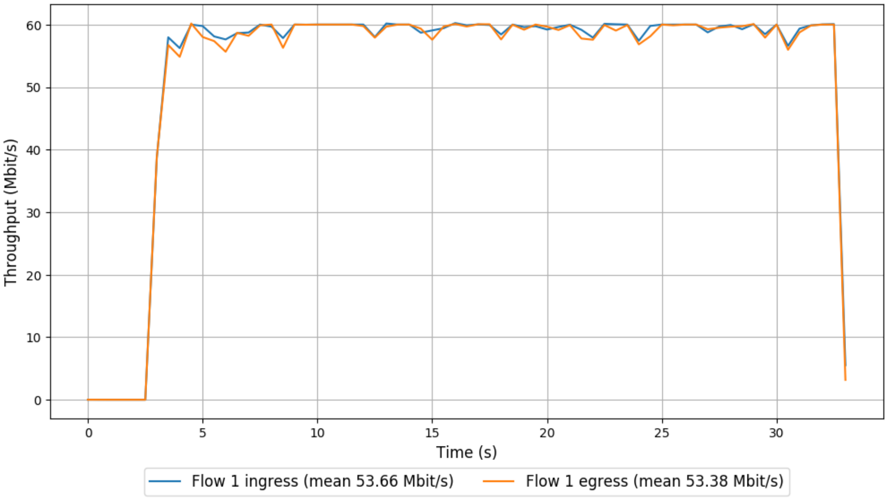
Run 6: Report of KohoCC — Data Link

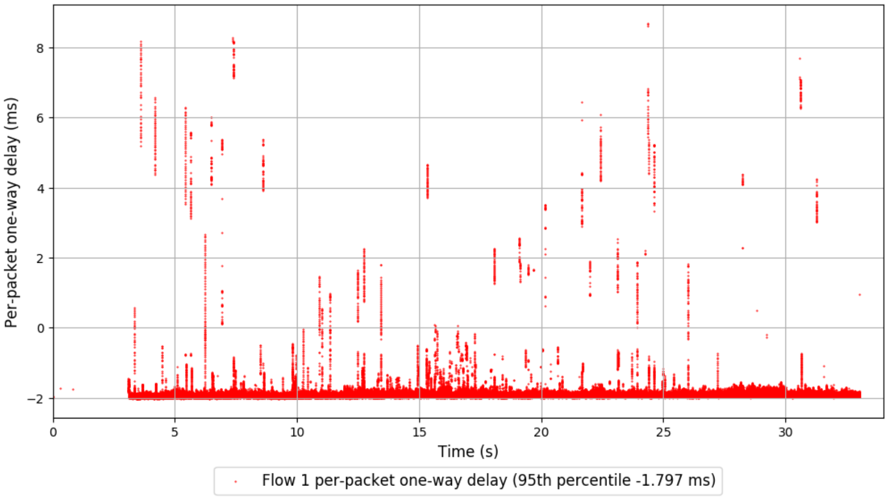




```
Run 7: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 13:08:28 +0000
End at: Tue, 13 Jun 2017 13:08:58 +0000
Local clock offset: 1.134 ms
Remote clock offset: -1.92 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:42:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.38 Mbit/s
95th percentile per-packet one-way delay: -1.797 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 53.38 Mbit/s
95th percentile per-packet one-way delay: -1.797 ms
Loss rate: 0.57%
```

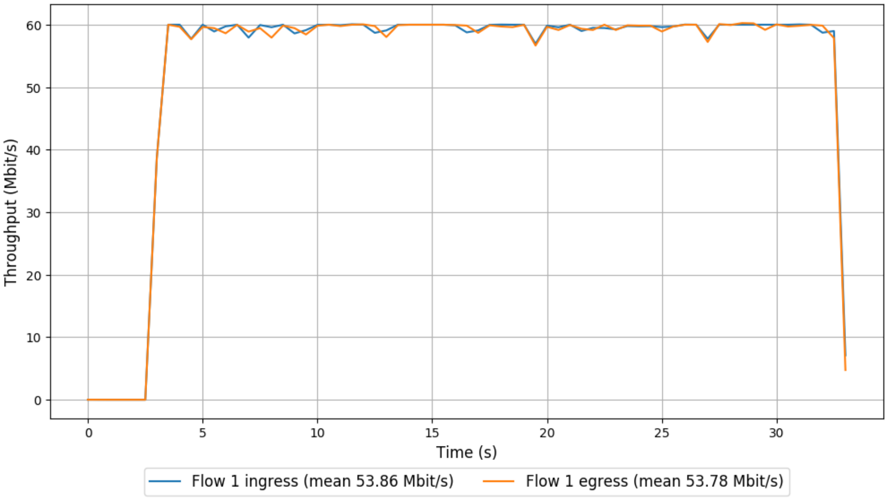
Run 7: Report of KohoCC — Data Link

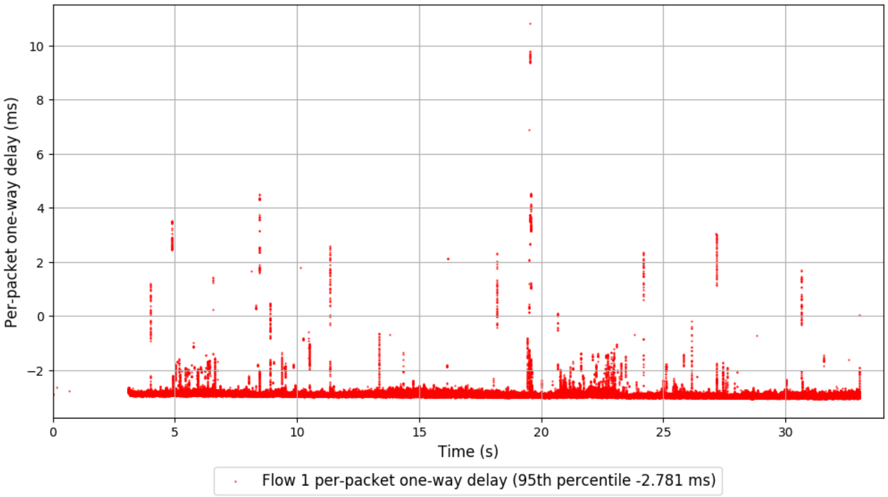




```
Run 8: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 13:29:43 +0000
End at: Tue, 13 Jun 2017 13:30:13 +0000
Local clock offset: 1.907 ms
Remote clock offset: -1.837 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:42:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.78 Mbit/s
95th percentile per-packet one-way delay: -2.781 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 53.78 Mbit/s
95th percentile per-packet one-way delay: -2.781 ms
Loss rate: 0.21%
```

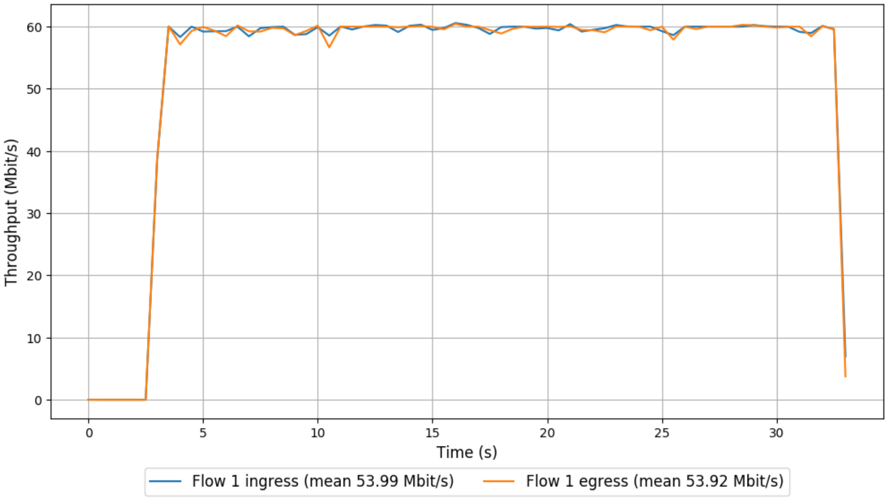
Run 8: Report of KohoCC — Data Link

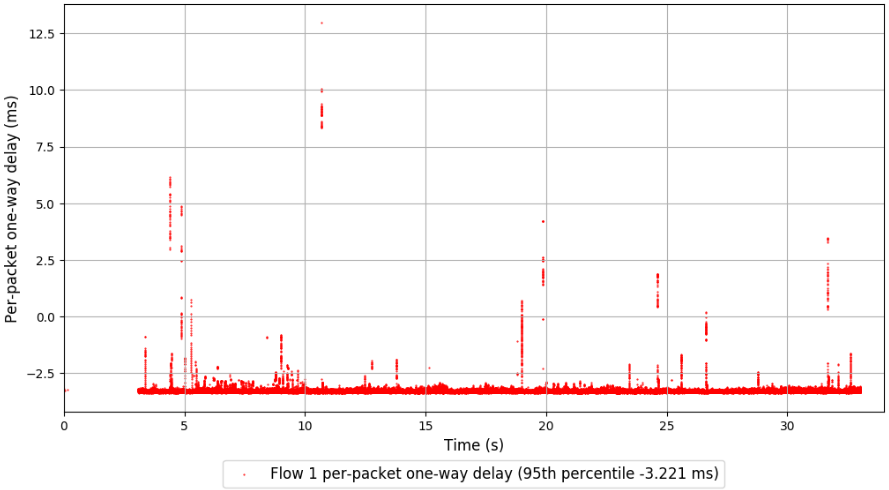




```
Run 9: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 13:50:58 +0000
End at: Tue, 13 Jun 2017 13:51:28 +0000
Local clock offset: 2.579 ms
Remote clock offset: -1.804 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:42:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: -3.221 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: -3.221 ms
Loss rate: 0.19%
```

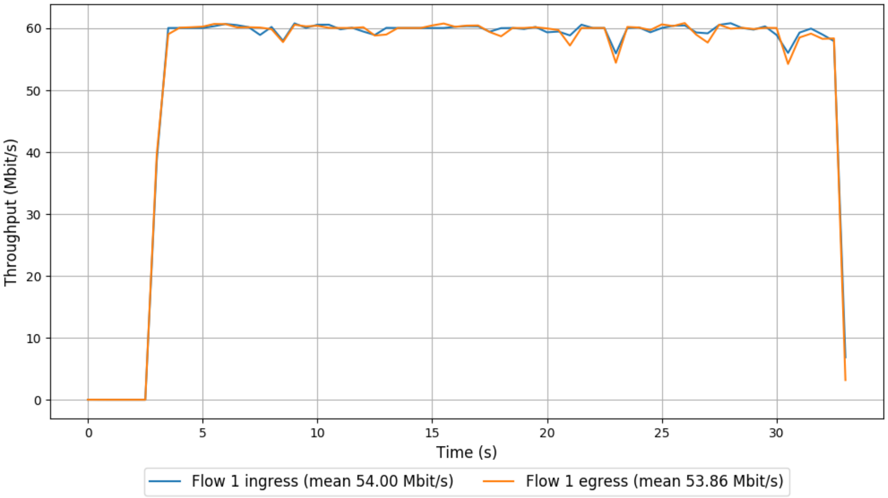
Run 9: Report of KohoCC — Data Link

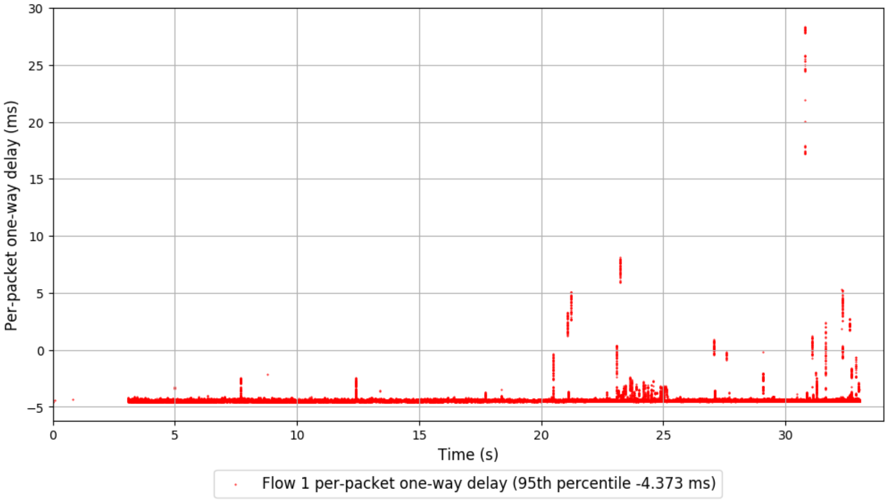




```
Run 10: Statistics of KohoCC

Start at: Tue, 13 Jun 2017 14:12:12 +0000
End at: Tue, 13 Jun 2017 14:12:42 +0000
Local clock offset: 3.415 ms
Remote clock offset: -2.074 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:42:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: -4.373 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 53.86 Mbit/s
95th percentile per-packet one-way delay: -4.373 ms
Loss rate: 0.29%
```

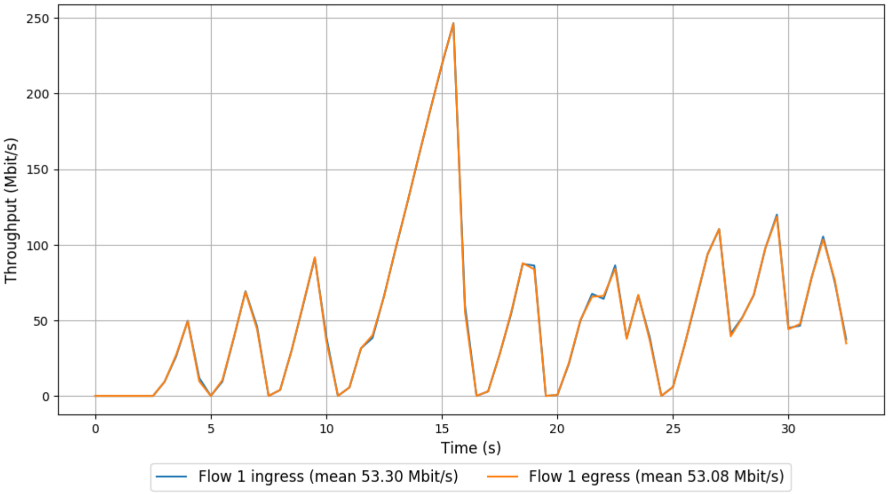
Run 10: Report of KohoCC — Data Link

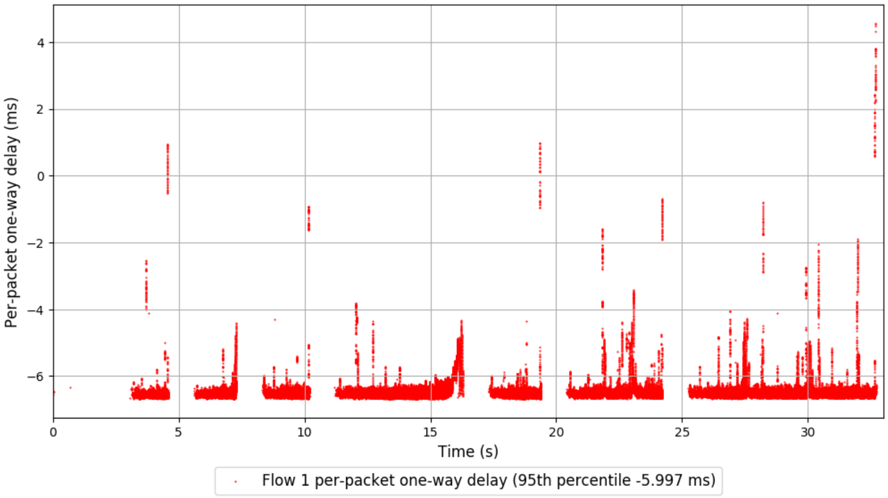




```
Run 1: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 10:55:41 +0000
End at: Tue, 13 Jun 2017 10:56:11 +0000
Local clock offset: 5.3 ms
Remote clock offset: -2.39 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:42:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.08 Mbit/s
95th percentile per-packet one-way delay: -5.997 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 53.08 Mbit/s
95th percentile per-packet one-way delay: -5.997 ms
Loss rate: 0.41%
```

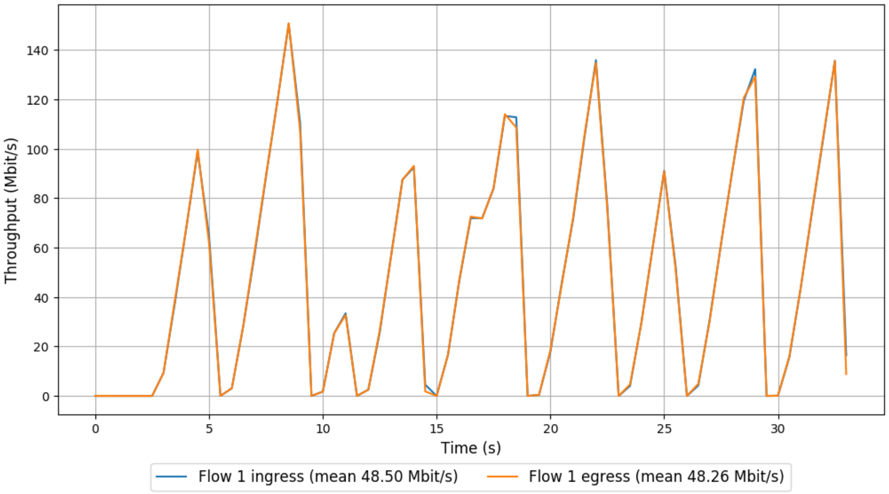
Run 1: Report of LEDBAT — Data Link

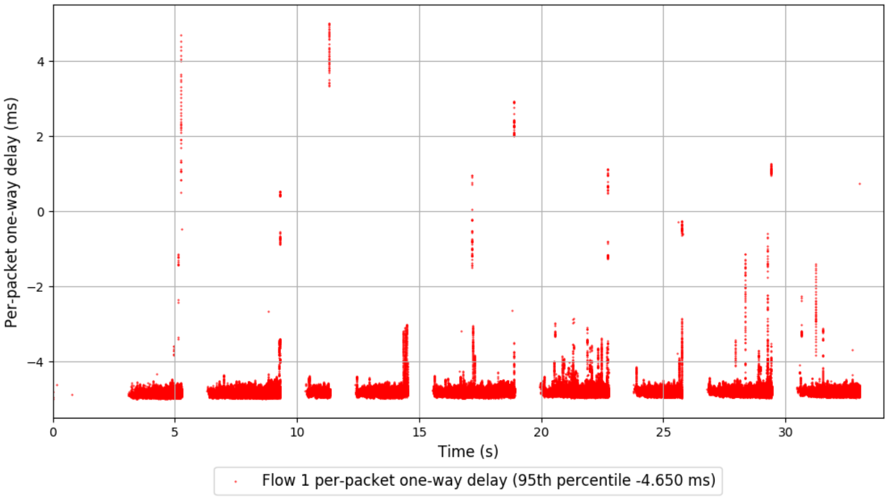




```
Run 2: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 11:16:43 +0000
End at: Tue, 13 Jun 2017 11:17:13 +0000
Local clock offset: 4.002 ms
Remote clock offset: -2.03 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:42:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: -4.650 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 48.26 Mbit/s
95th percentile per-packet one-way delay: -4.650 ms
Loss rate: 0.53%
```

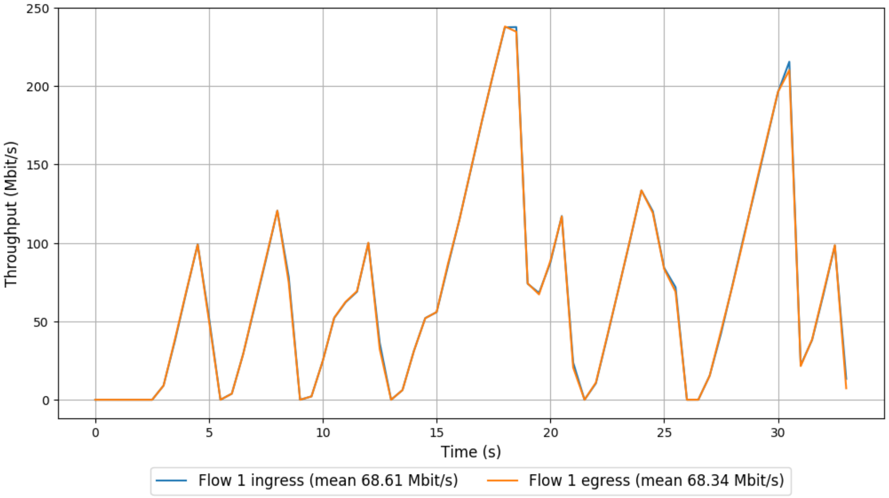
Run 2: Report of LEDBAT — Data Link

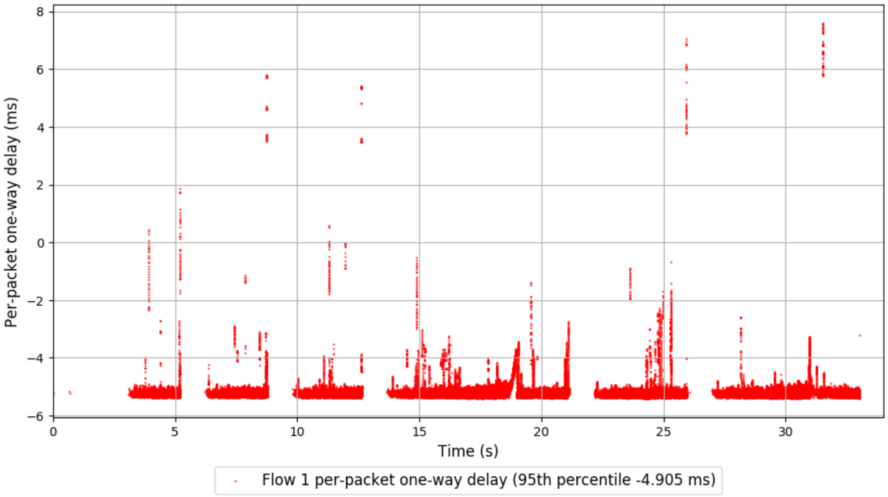




```
Run 3: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 11:37:17 +0000
End at: Tue, 13 Jun 2017 11:37:47 +0000
Local clock offset: 3.998 ms
Remote clock offset: -2.399 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:42:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.34 Mbit/s
95th percentile per-packet one-way delay: -4.905 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 68.34 Mbit/s
95th percentile per-packet one-way delay: -4.905 ms
Loss rate: 0.44%
```

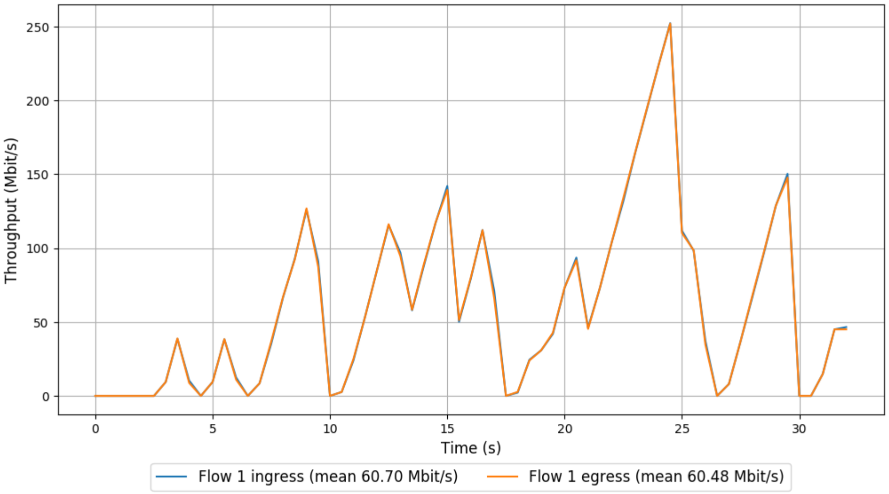
Run 3: Report of LEDBAT — Data Link

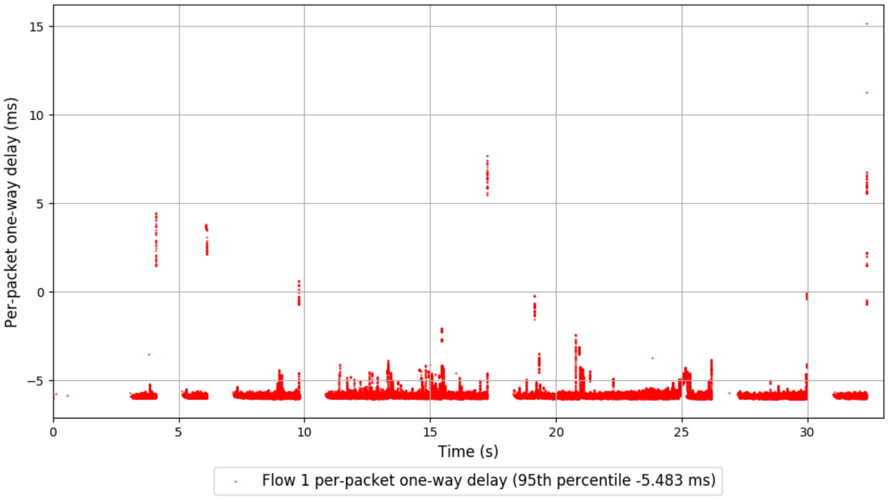




```
Run 4: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 11:57:52 +0000
End at: Tue, 13 Jun 2017 11:58:22 +0000
Local clock offset: 4.592 ms
Remote clock offset: -2.354 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:42:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.48 Mbit/s
95th percentile per-packet one-way delay: -5.483 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 60.48 Mbit/s
95th percentile per-packet one-way delay: -5.483 ms
Loss rate: 0.36%
```

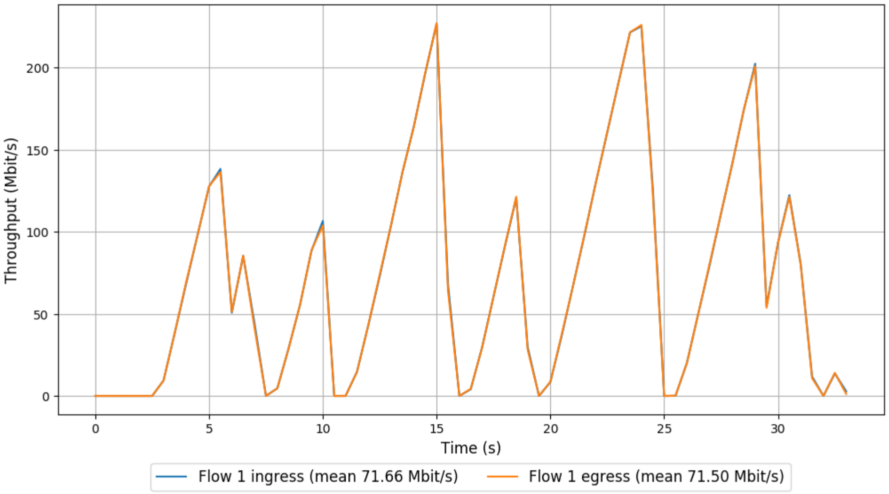
Run 4: Report of LEDBAT — Data Link

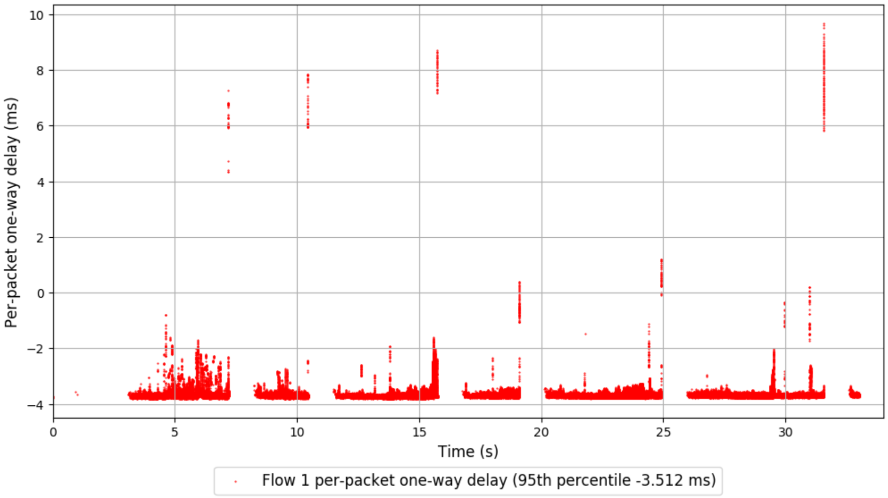




```
Run 5: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 12:18:59 +0000
End at: Tue, 13 Jun 2017 12:19:29 +0000
Local clock offset: 2.718 ms
Remote clock offset: -2.223 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:42:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.50 Mbit/s
95th percentile per-packet one-way delay: -3.512 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 71.50 Mbit/s
95th percentile per-packet one-way delay: -3.512 ms
Loss rate: 0.29%
```

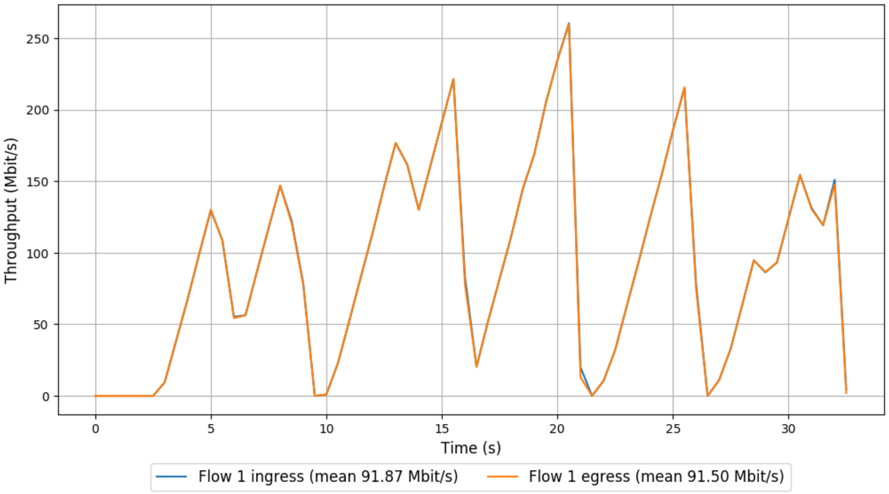
Run 5: Report of LEDBAT — Data Link

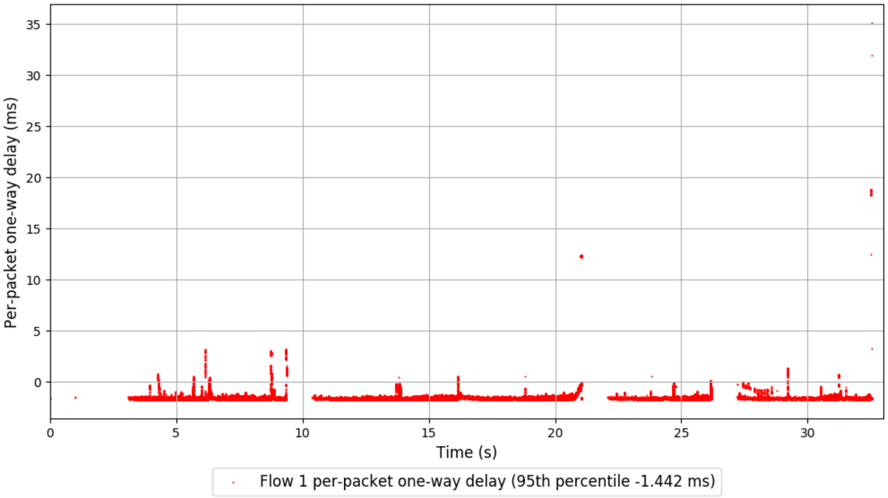




```
Run 6: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 12:40:12 +0000
End at: Tue, 13 Jun 2017 12:40:42 +0000
Local clock offset: 0.801 ms
Remote clock offset: -2.006 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:43:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.50 Mbit/s
95th percentile per-packet one-way delay: -1.442 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 91.50 Mbit/s
95th percentile per-packet one-way delay: -1.442 ms
Loss rate: 0.40%
```

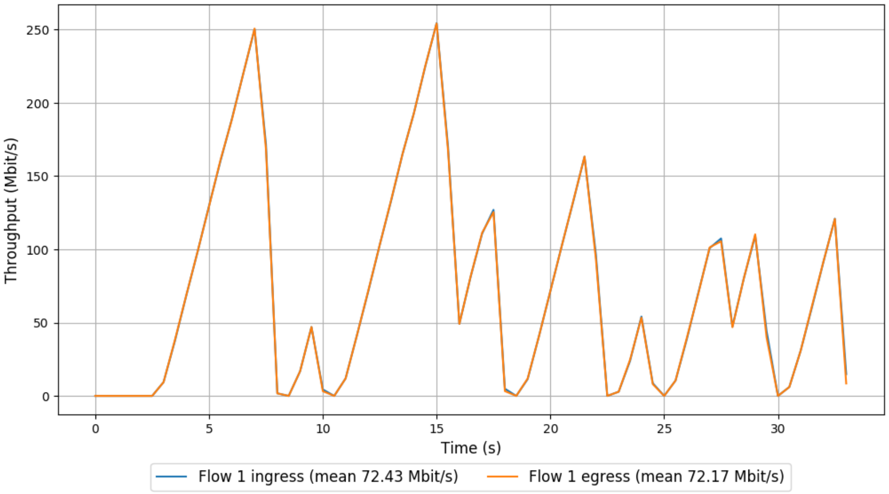
Run 6: Report of LEDBAT — Data Link

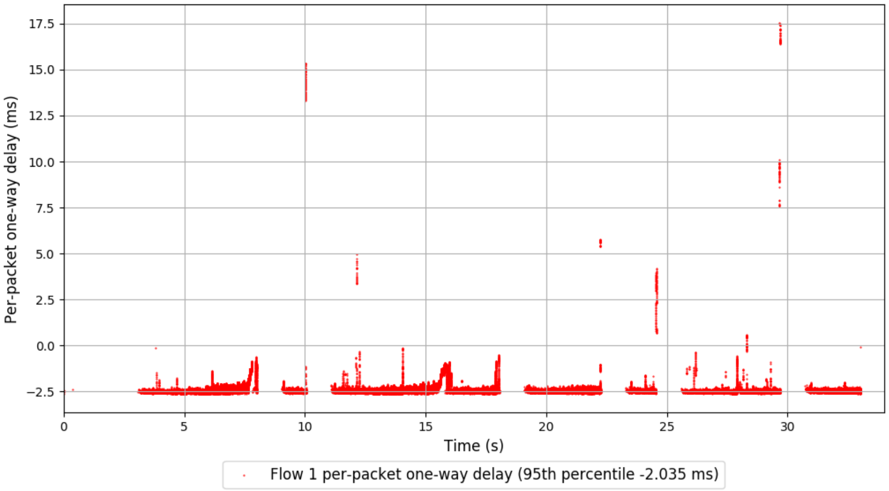




```
Run 7: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 13:01:10 +0000
End at: Tue, 13 Jun 2017 13:01:41 +0000
Local clock offset: 1.584 ms
Remote clock offset: -2.028 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:43:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.17 Mbit/s
95th percentile per-packet one-way delay: -2.035 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 72.17 Mbit/s
95th percentile per-packet one-way delay: -2.035 ms
Loss rate: 0.42%
```

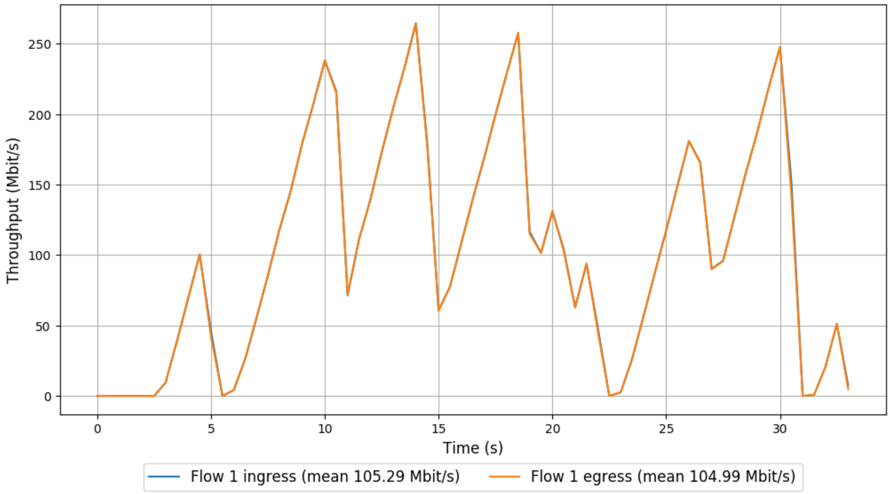
Run 7: Report of LEDBAT — Data Link

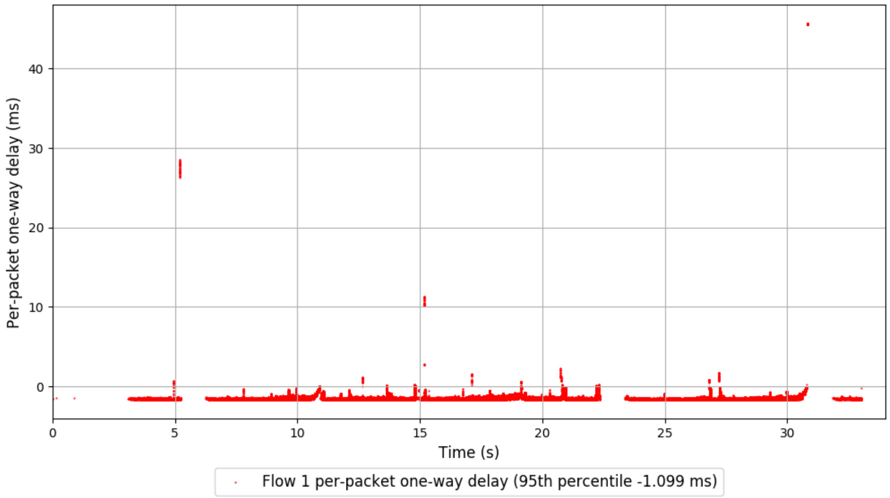




```
Run 8: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 13:22:26 +0000
End at: Tue, 13 Jun 2017 13:22:56 +0000
Local clock offset: 0.837 ms
Remote clock offset: -1.784 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:43:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.99 Mbit/s
95th percentile per-packet one-way delay: -1.099 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 104.99 Mbit/s
95th percentile per-packet one-way delay: -1.099 ms
Loss rate: 0.34%
```

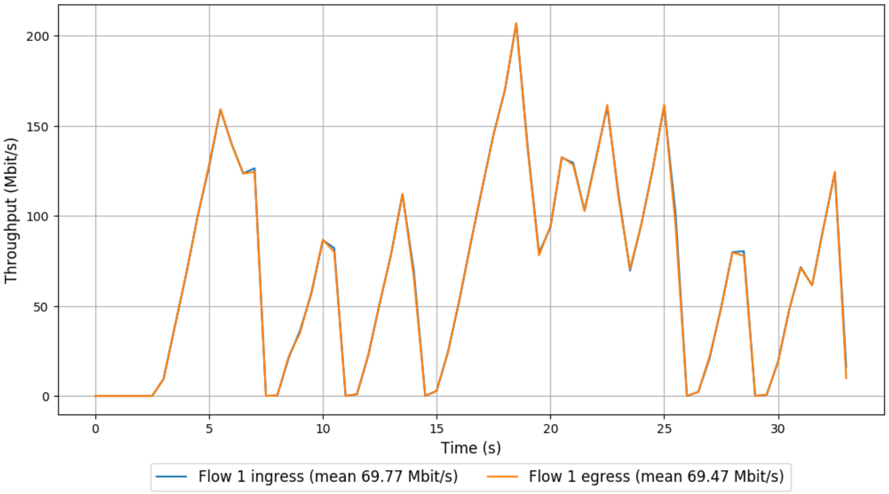
Run 8: Report of LEDBAT — Data Link

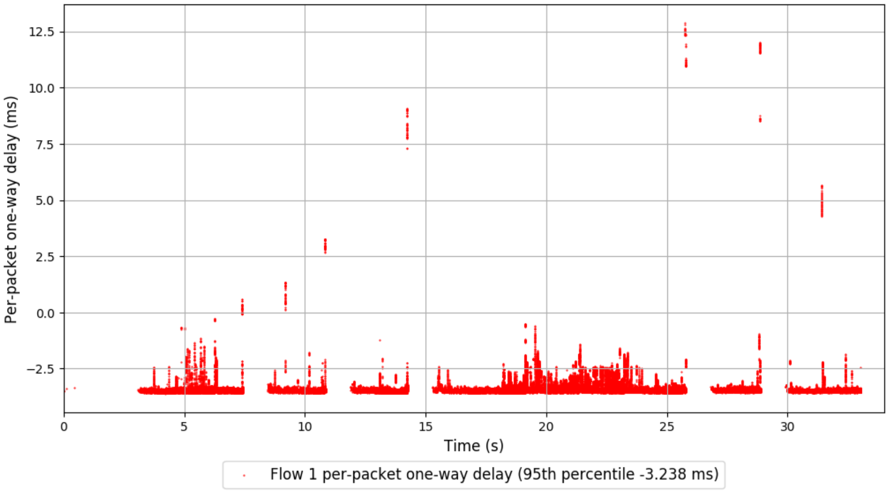




```
Run 9: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 13:43:44 +0000
End at: Tue, 13 Jun 2017 13:44:14 +0000
Local clock offset: 2.687 ms
Remote clock offset: -1.814 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:43:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: -3.238 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: -3.238 ms
Loss rate: 0.48%
```

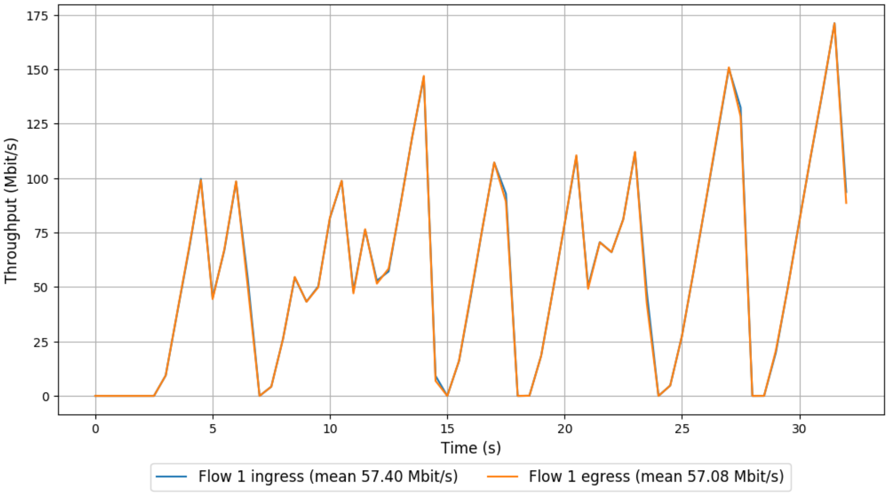
Run 9: Report of LEDBAT — Data Link

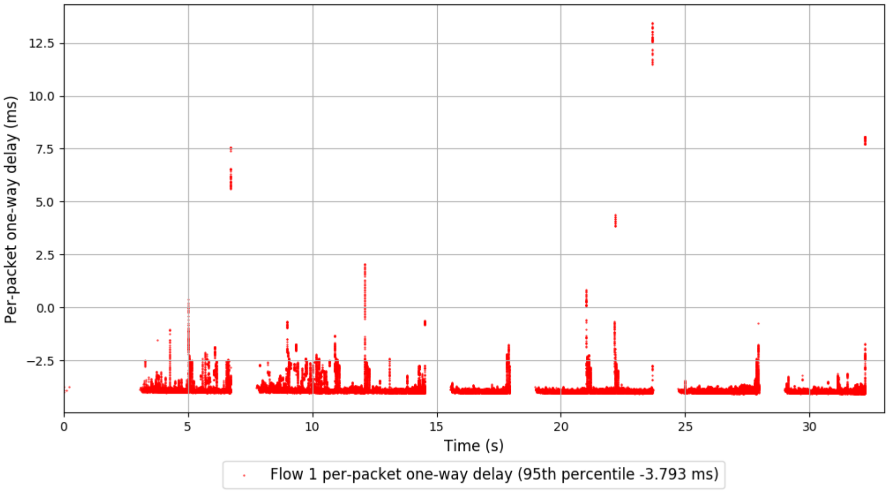




```
Run 10: Statistics of LEDBAT

Start at: Tue, 13 Jun 2017 14:05:01 +0000
End at: Tue, 13 Jun 2017 14:05:31 +0000
Local clock offset: 2.996 ms
Remote clock offset: -1.966 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:43:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: -3.793 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: -3.793 ms
Loss rate: 0.56%
```

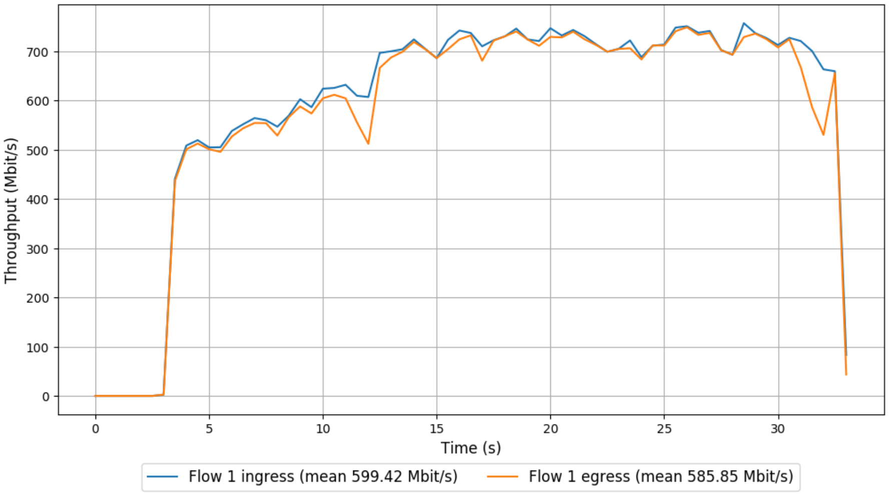
Run 10: Report of LEDBAT — Data Link

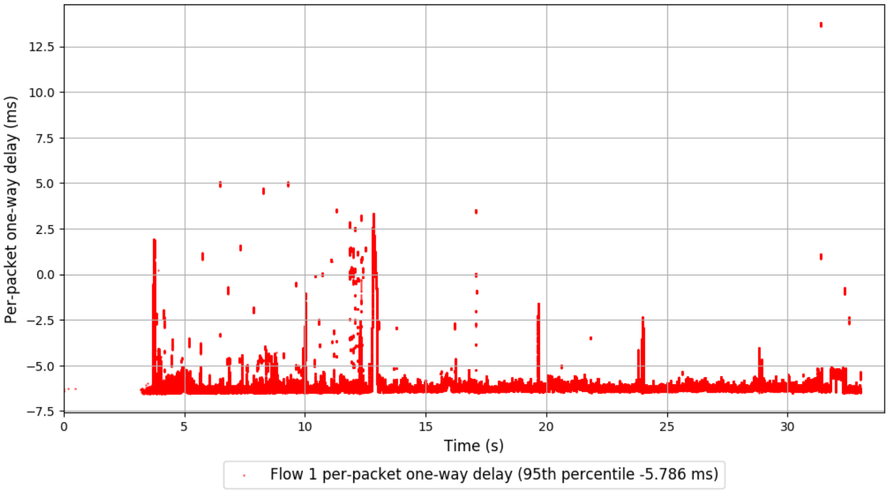




```
Run 1: Statistics of PCC

Start at: Tue, 13 Jun 2017 10:59:59 +0000
End at: Tue, 13 Jun 2017 11:00:30 +0000
Local clock offset: 5.156 ms
Remote clock offset: -2.366 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:44:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 585.85 Mbit/s
95th percentile per-packet one-way delay: -5.786 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 585.85 Mbit/s
95th percentile per-packet one-way delay: -5.786 ms
Loss rate: 2.33%
```

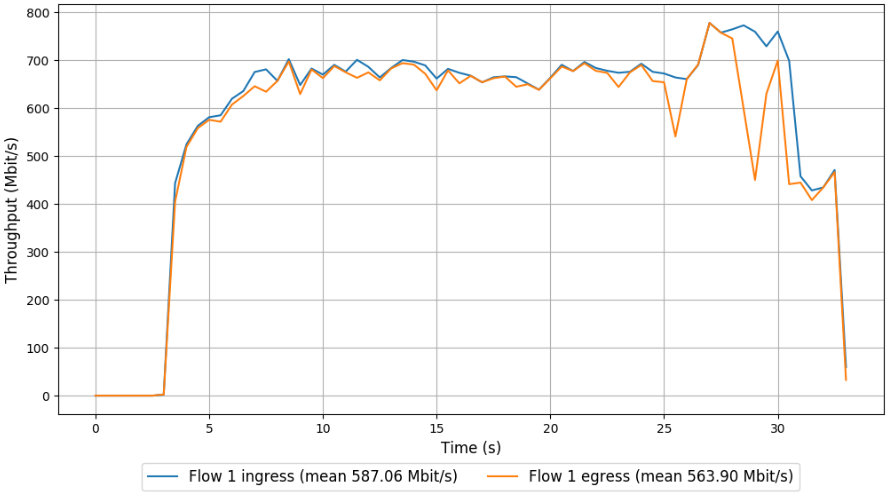
Run 1: Report of PCC — Data Link

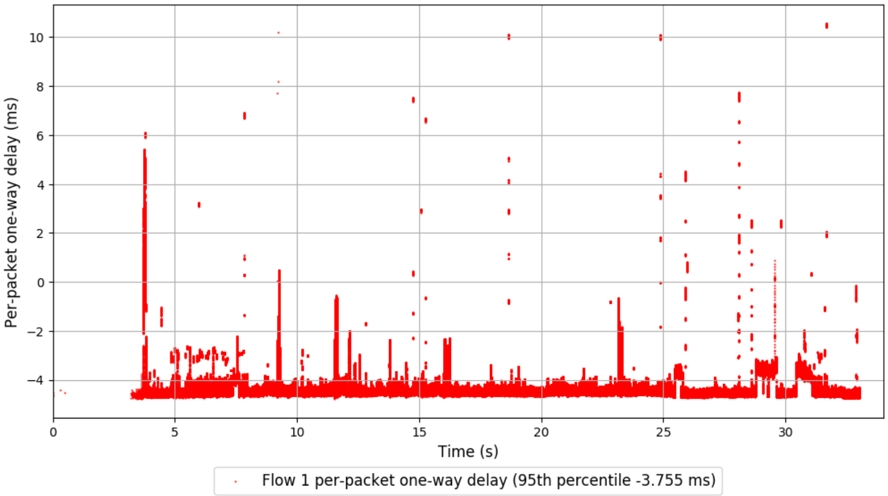




```
Run 2: Statistics of PCC

Start at: Tue, 13 Jun 2017 11:21:00 +0000
End at: Tue, 13 Jun 2017 11:21:30 +0000
Local clock offset: 3.82 ms
Remote clock offset: -1.951 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:44:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 563.90 Mbit/s
95th percentile per-packet one-way delay: -3.755 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 563.90 Mbit/s
95th percentile per-packet one-way delay: -3.755 ms
Loss rate: 4.02%
```

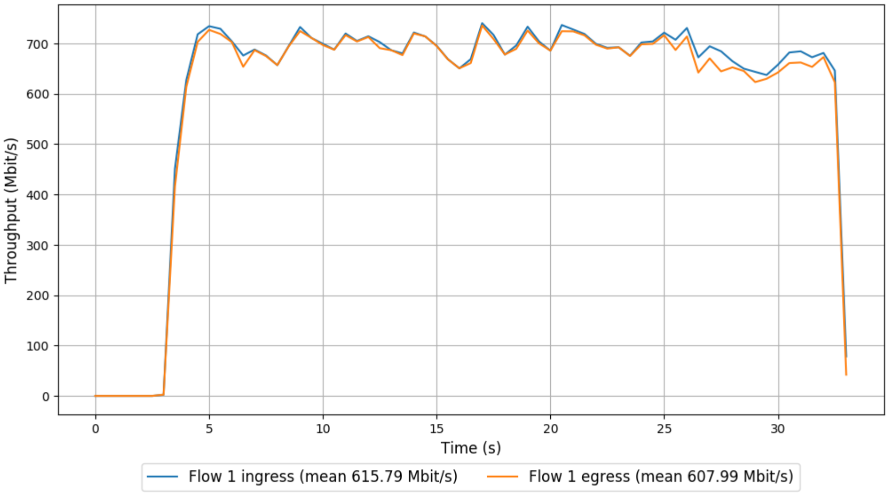
Run 2: Report of PCC — Data Link

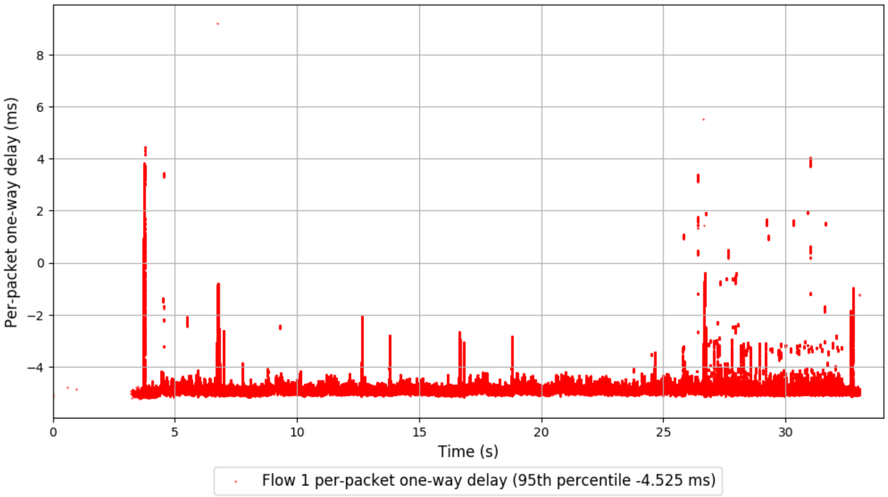




```
Run 3: Statistics of PCC

Start at: Tue, 13 Jun 2017 11:41:37 +0000
End at: Tue, 13 Jun 2017 11:42:07 +0000
Local clock offset: 3.771 ms
Remote clock offset: -2.452 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:46:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 607.99 Mbit/s
95th percentile per-packet one-way delay: -4.525 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 607.99 Mbit/s
95th percentile per-packet one-way delay: -4.525 ms
Loss rate: 1.32%
```

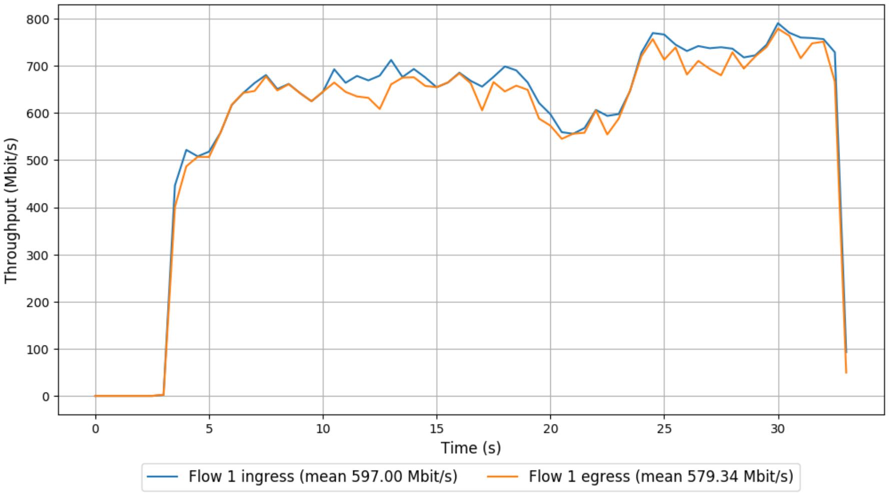
Run 3: Report of PCC — Data Link

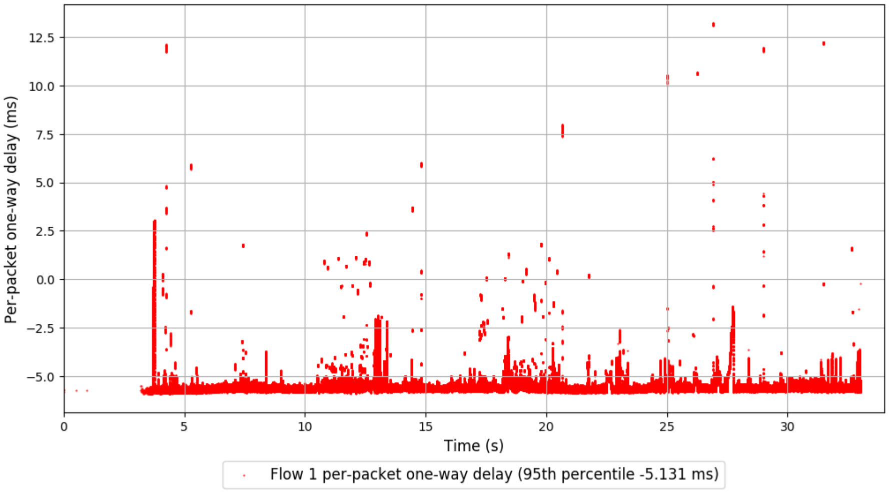




```
Run 4: Statistics of PCC

Start at: Tue, 13 Jun 2017 12:02:10 +0000
End at: Tue, 13 Jun 2017 12:02:40 +0000
Local clock offset: 4.585 ms
Remote clock offset: -2.363 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:46:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 579.34 Mbit/s
95th percentile per-packet one-way delay: -5.131 ms
Loss rate: 3.01%
-- Flow 1:
Average throughput: 579.34 Mbit/s
95th percentile per-packet one-way delay: -5.131 ms
Loss rate: 3.01%
```

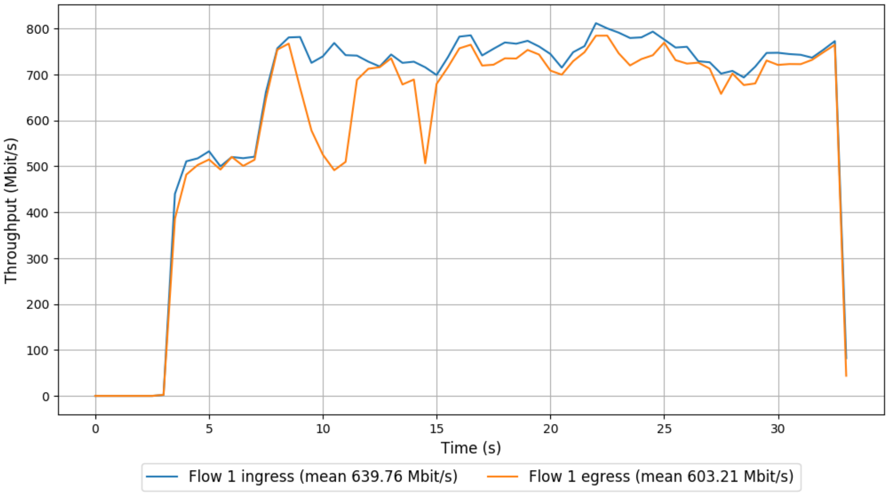
Run 4: Report of PCC — Data Link

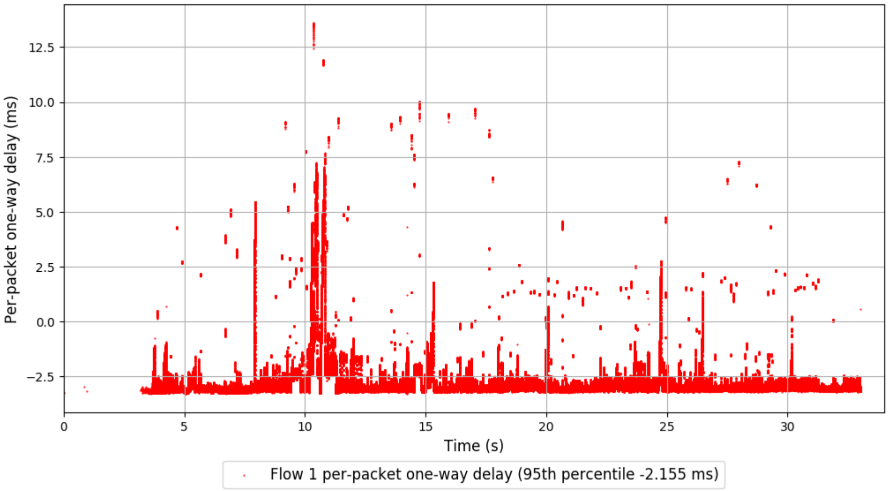




```
Run 5: Statistics of PCC

Start at: Tue, 13 Jun 2017 12:23:19 +0000
End at: Tue, 13 Jun 2017 12:23:49 +0000
Local clock offset: 2.089 ms
Remote clock offset: -2.193 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:47:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 603.21 Mbit/s
95th percentile per-packet one-way delay: -2.155 ms
Loss rate: 5.77%
-- Flow 1:
Average throughput: 603.21 Mbit/s
95th percentile per-packet one-way delay: -2.155 ms
Loss rate: 5.77%
```

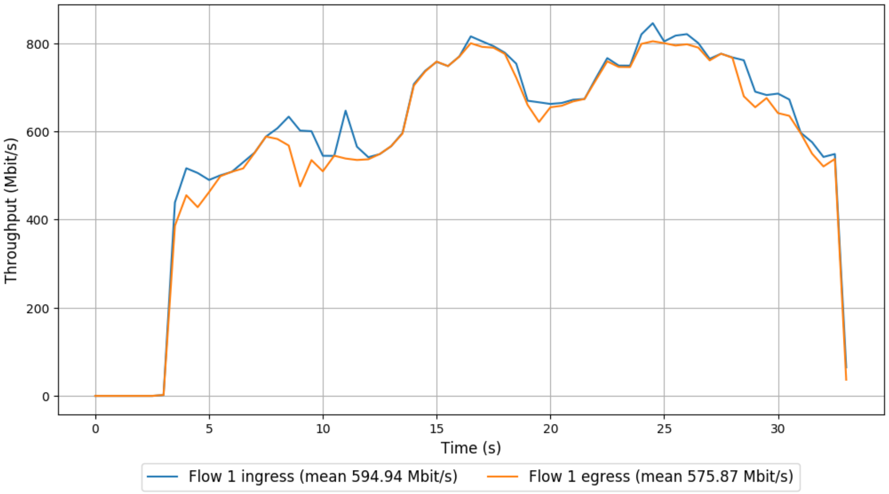
Run 5: Report of PCC — Data Link

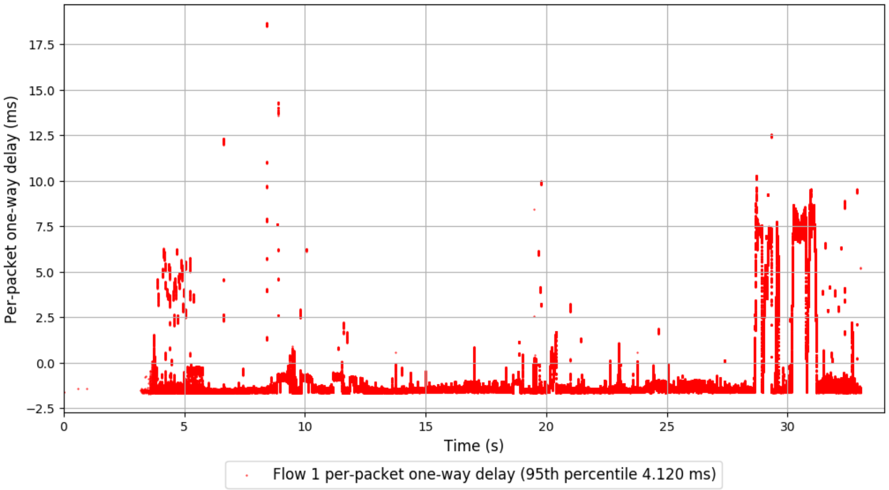




```
Run 6: Statistics of PCC

Start at: Tue, 13 Jun 2017 12:44:34 +0000
End at: Tue, 13 Jun 2017 12:45:04 +0000
Local clock offset: 0.81 ms
Remote clock offset: -1.958 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:47:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 575.87 Mbit/s
95th percentile per-packet one-way delay: 4.120 ms
Loss rate: 3.25%
-- Flow 1:
Average throughput: 575.87 Mbit/s
95th percentile per-packet one-way delay: 4.120 ms
Loss rate: 3.25%
```

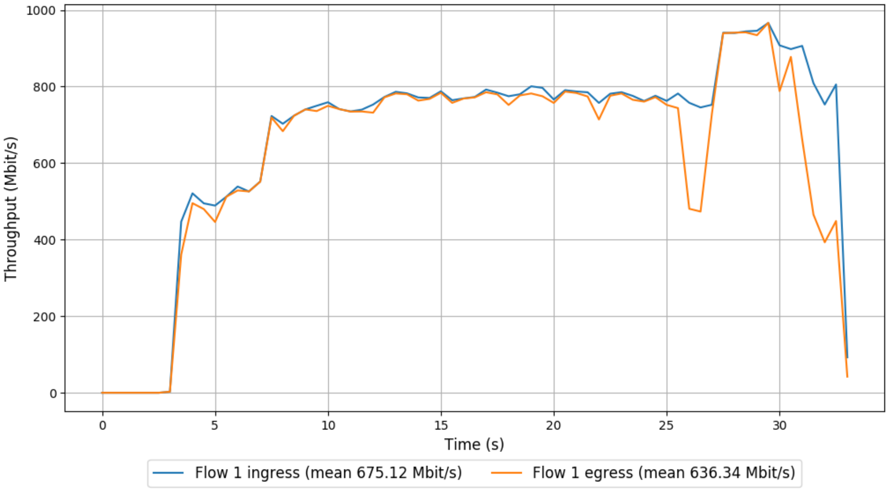
Run 6: Report of PCC — Data Link

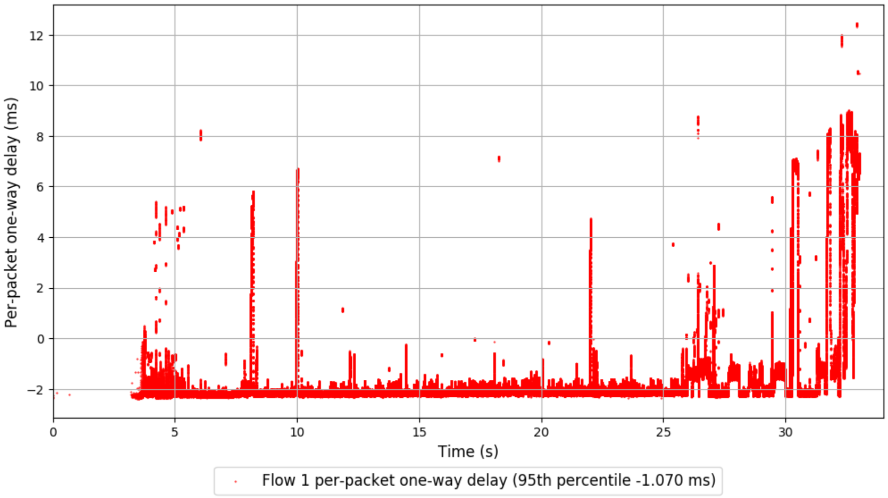




```
Run 7: Statistics of PCC

Start at: Tue, 13 Jun 2017 13:05:31 +0000
End at: Tue, 13 Jun 2017 13:06:01 +0000
Local clock offset: 1.416 ms
Remote clock offset: -1.959 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:49:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 636.34 Mbit/s
95th percentile per-packet one-way delay: -1.070 ms
Loss rate: 5.80%
-- Flow 1:
Average throughput: 636.34 Mbit/s
95th percentile per-packet one-way delay: -1.070 ms
Loss rate: 5.80%
```

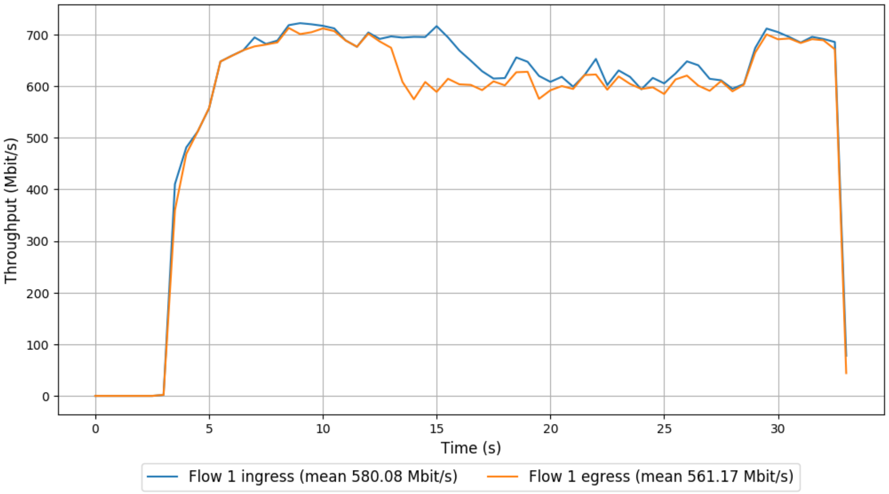
Run 7: Report of PCC — Data Link

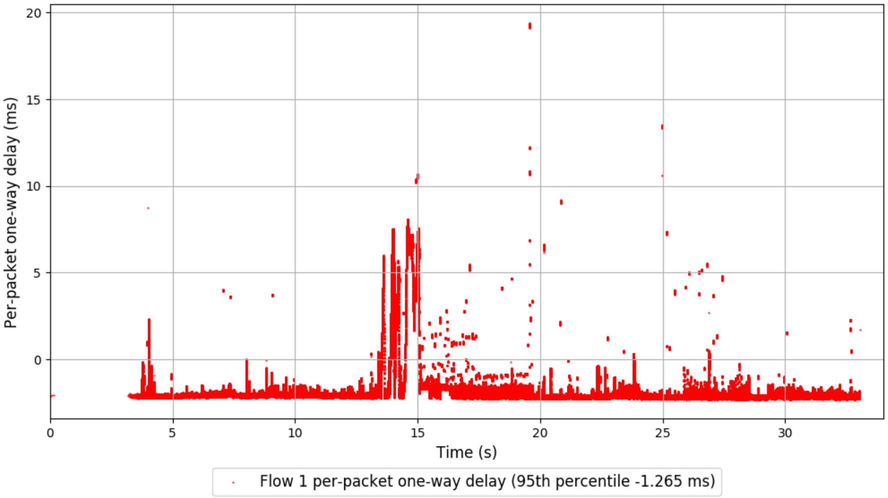




```
Run 8: Statistics of PCC

Start at: Tue, 13 Jun 2017 13:26:49 +0000
End at: Tue, 13 Jun 2017 13:27:19 +0000
Local clock offset: 1.286 ms
Remote clock offset: -1.842 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:49:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 561.17 Mbit/s
95th percentile per-packet one-way delay: -1.265 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 561.17 Mbit/s
95th percentile per-packet one-way delay: -1.265 ms
Loss rate: 3.32%
```

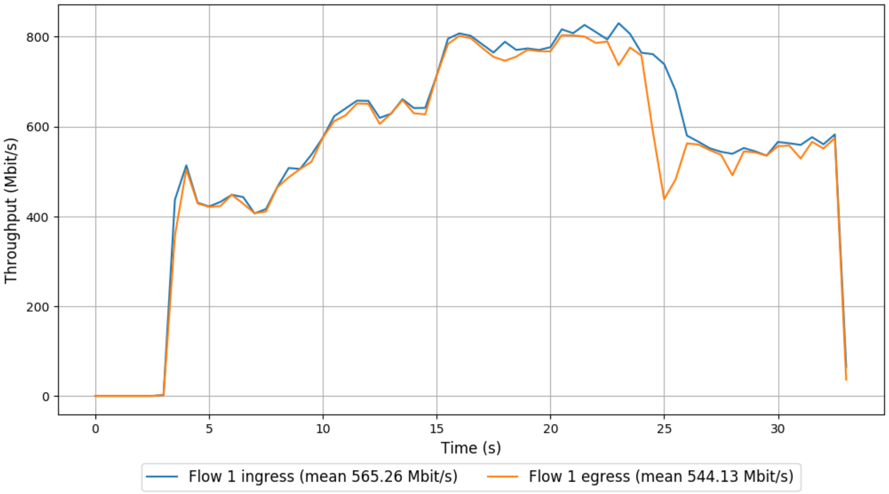
Run 8: Report of PCC — Data Link

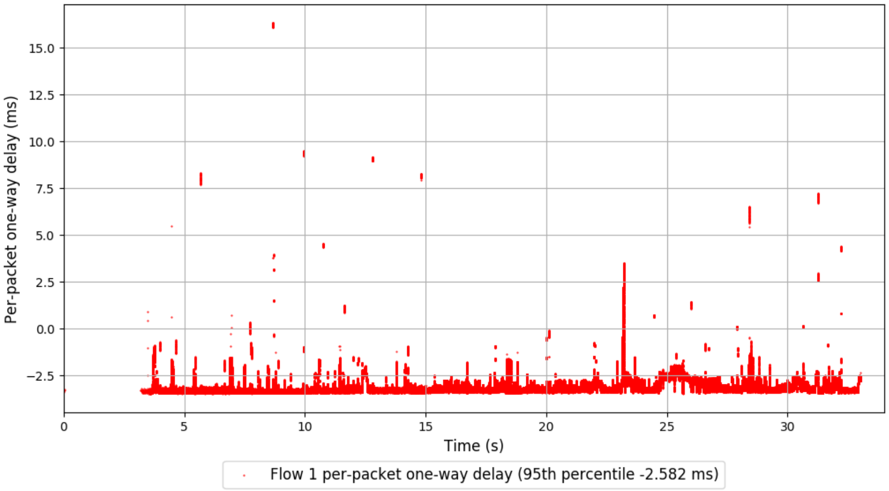




```
Run 9: Statistics of PCC

Start at: Tue, 13 Jun 2017 13:48:05 +0000
End at: Tue, 13 Jun 2017 13:48:35 +0000
Local clock offset: 2.68 ms
Remote clock offset: -1.751 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 544.13 Mbit/s
95th percentile per-packet one-way delay: -2.582 ms
Loss rate: 3.80%
-- Flow 1:
Average throughput: 544.13 Mbit/s
95th percentile per-packet one-way delay: -2.582 ms
Loss rate: 3.80%
```

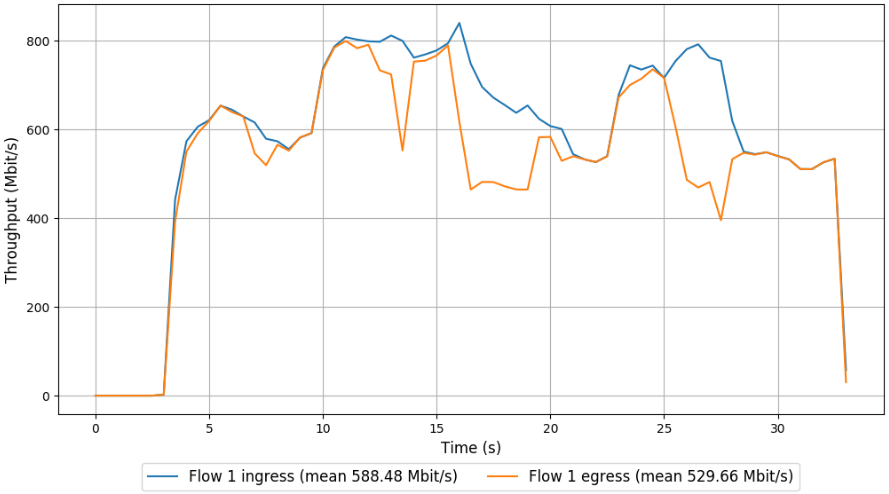
Run 9: Report of PCC — Data Link

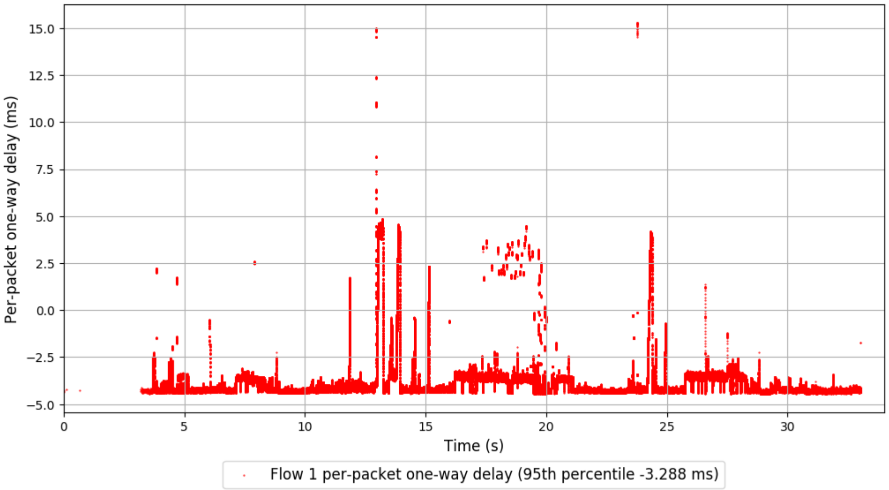




```
Run 10: Statistics of PCC

Start at: Tue, 13 Jun 2017 14:09:19 +0000
End at: Tue, 13 Jun 2017 14:09:49 +0000
Local clock offset: 3.345 ms
Remote clock offset: -2.088 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 529.66 Mbit/s
95th percentile per-packet one-way delay: -3.288 ms
Loss rate: 10.05%
-- Flow 1:
Average throughput: 529.66 Mbit/s
95th percentile per-packet one-way delay: -3.288 ms
Loss rate: 10.05%
```

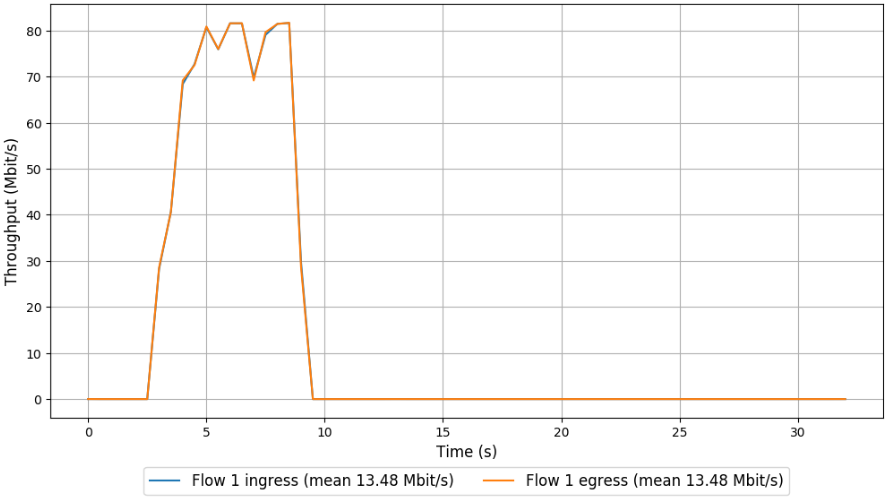
Run 10: Report of PCC — Data Link

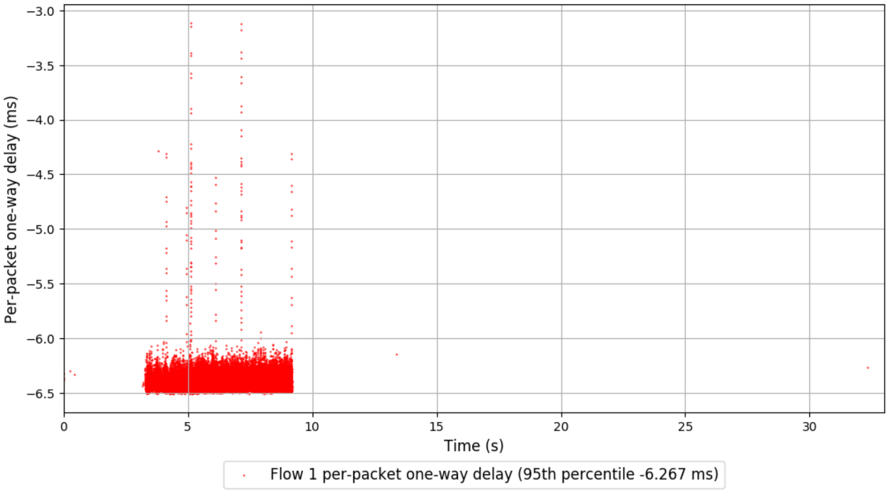




```
Run 1: Statistics of QUIC Cubic (toy)

Start at: Tue, 13 Jun 2017 11:01:38 +0000
End at: Tue, 13 Jun 2017 11:02:08 +0000
Local clock offset: 5.201 ms
Remote clock offset: -2.312 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: -6.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: -6.267 ms
Loss rate: 0.00%
```

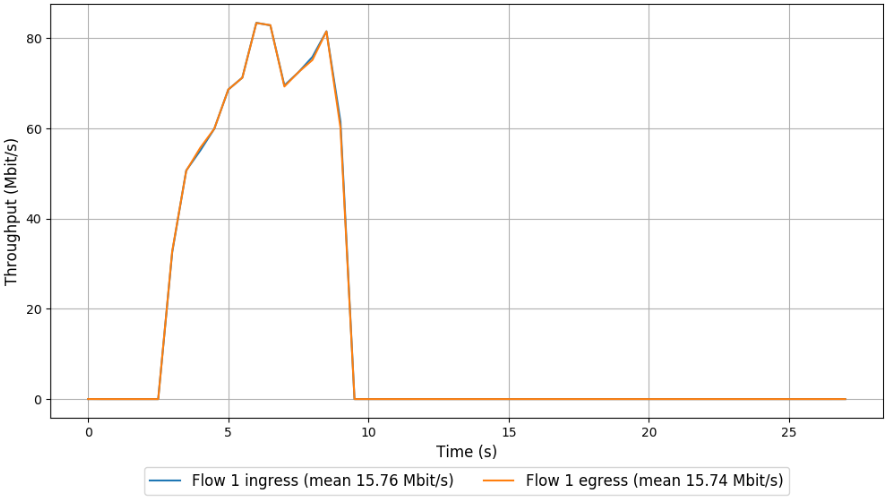
Run 1: Report of QUIC Cubic (toy) — Data Link

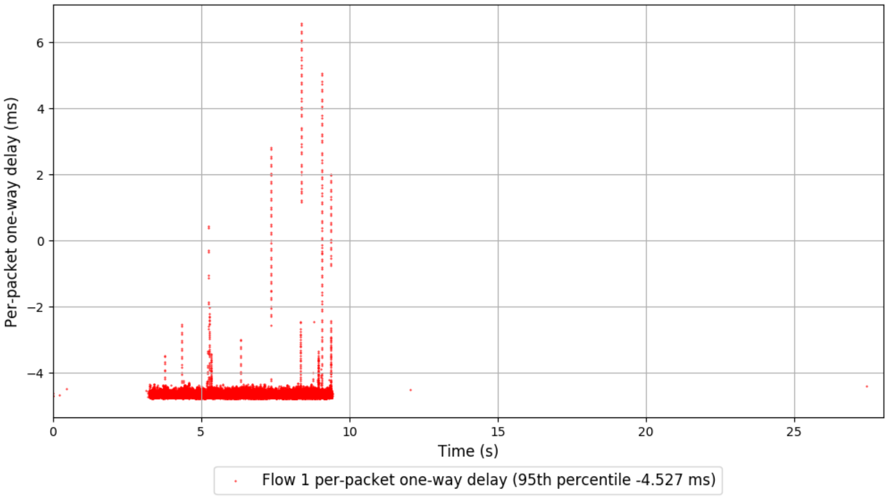




```
Run 2: Statistics of QUIC Cubic (toy)

Start at: Tue, 13 Jun 2017 11:22:39 +0000
End at: Tue, 13 Jun 2017 11:23:09 +0000
Local clock offset: 3.701 ms
Remote clock offset: -2.028 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: -4.527 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 15.74 Mbit/s
95th percentile per-packet one-way delay: -4.527 ms
Loss rate: 0.18%
```

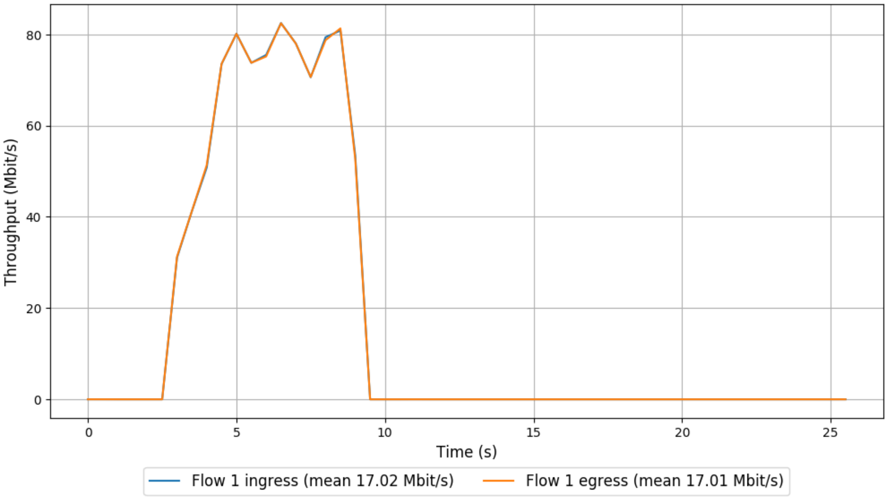
Run 2: Report of QUIC Cubic (toy) — Data Link

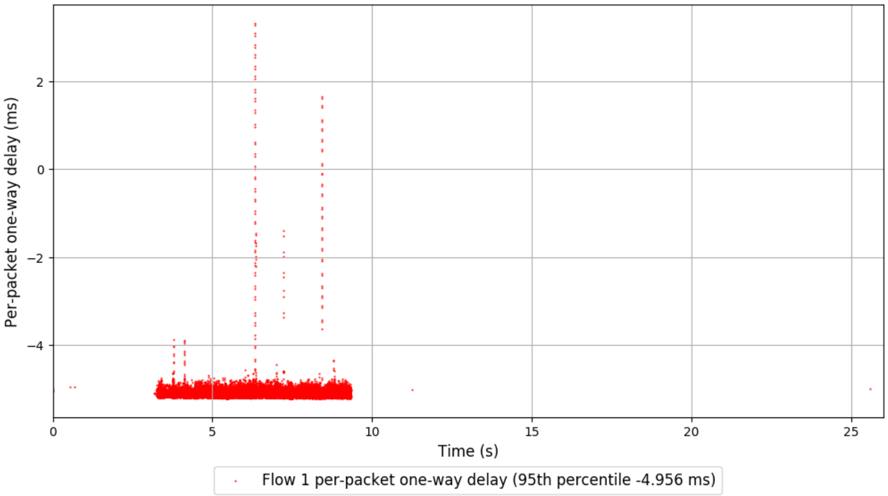




```
Run 3: Statistics of QUIC Cubic (toy)

Start at: Tue, 13 Jun 2017 11:43:17 +0000
End at: Tue, 13 Jun 2017 11:43:47 +0000
Local clock offset: 3.631 ms
Remote clock offset: -2.543 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: -4.956 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 17.01 Mbit/s
95th percentile per-packet one-way delay: -4.956 ms
Loss rate: 0.06%
```

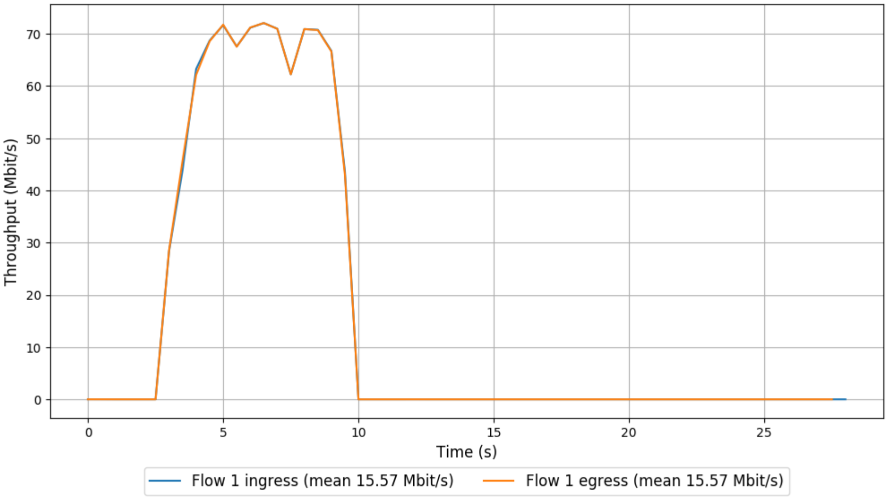
Run 3: Report of QUIC Cubic (toy) — Data Link

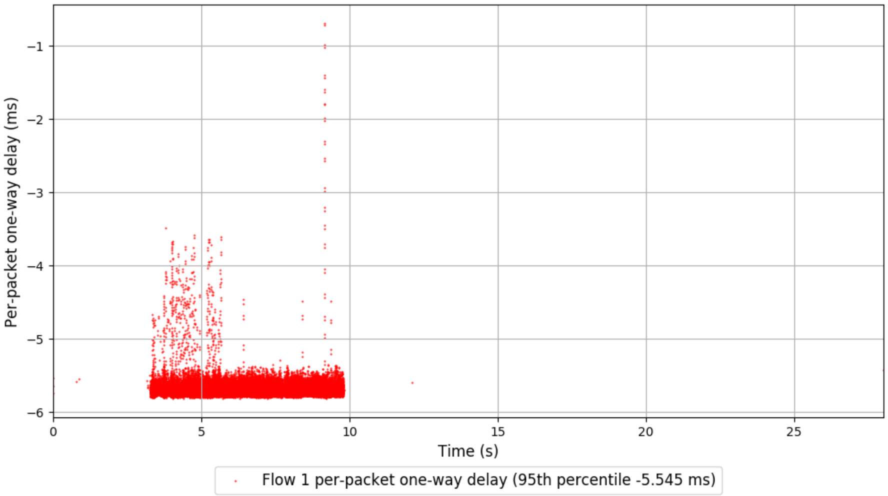




```
Run 4: Statistics of QUIC Cubic (toy)

Start at: Tue, 13 Jun 2017 12:03:50 +0000
End at: Tue, 13 Jun 2017 12:04:20 +0000
Local clock offset: 4.451 ms
Remote clock offset: -2.204 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: -5.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.57 Mbit/s
95th percentile per-packet one-way delay: -5.545 ms
Loss rate: 0.00%
```

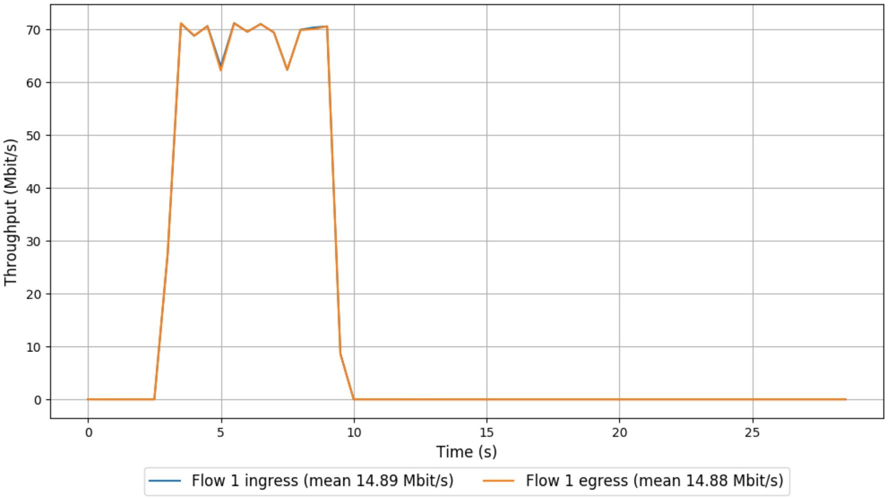
Run 4: Report of QUIC Cubic (toy) — Data Link

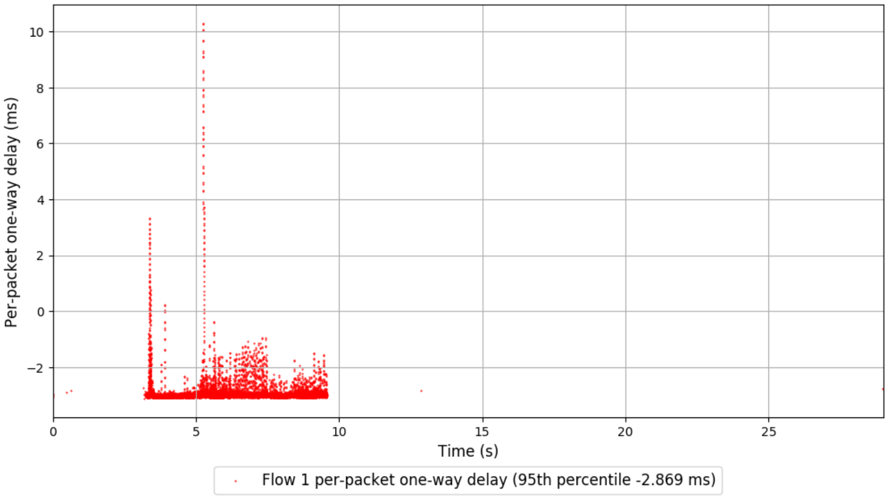




```
Run 5: Statistics of QUIC Cubic (toy)

Start at: Tue, 13 Jun 2017 12:24:59 +0000
End at: Tue, 13 Jun 2017 12:25:29 +0000
Local clock offset: 2.037 ms
Remote clock offset: -2.148 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: -2.869 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 14.88 Mbit/s
95th percentile per-packet one-way delay: -2.869 ms
Loss rate: 0.11%
```

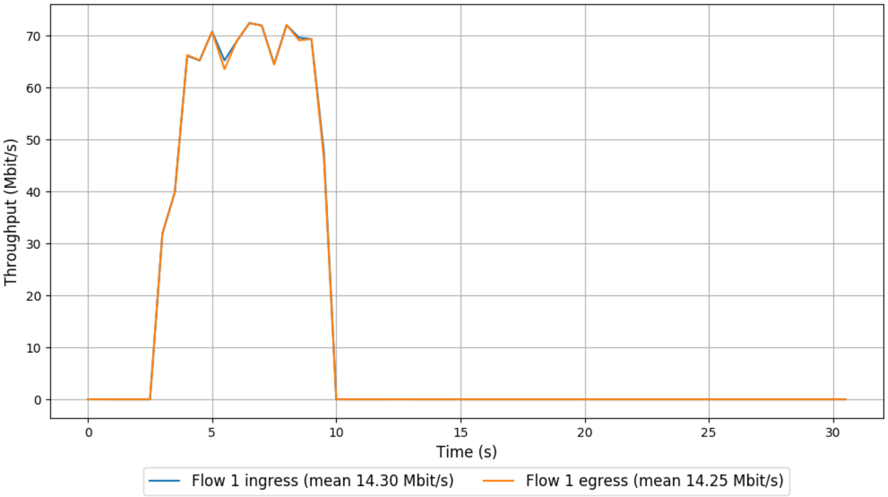
Run 5: Report of QUIC Cubic (toy) — Data Link

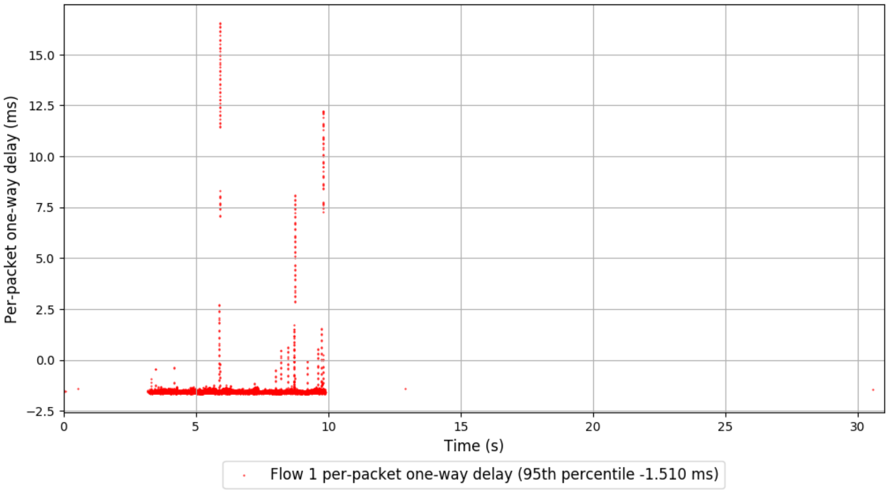




```
Run 6: Statistics of QUIC Cubic (toy)

Start at: Tue, 13 Jun 2017 12:46:13 +0000
End at: Tue, 13 Jun 2017 12:46:43 +0000
Local clock offset: 0.706 ms
Remote clock offset: -1.944 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: -1.510 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: -1.510 ms
Loss rate: 0.37%
```

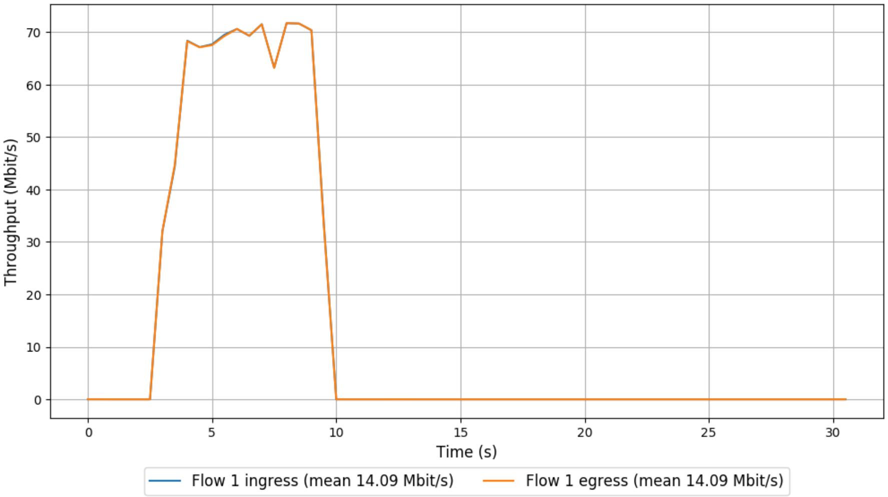
Run 6: Report of QUIC Cubic (toy) — Data Link

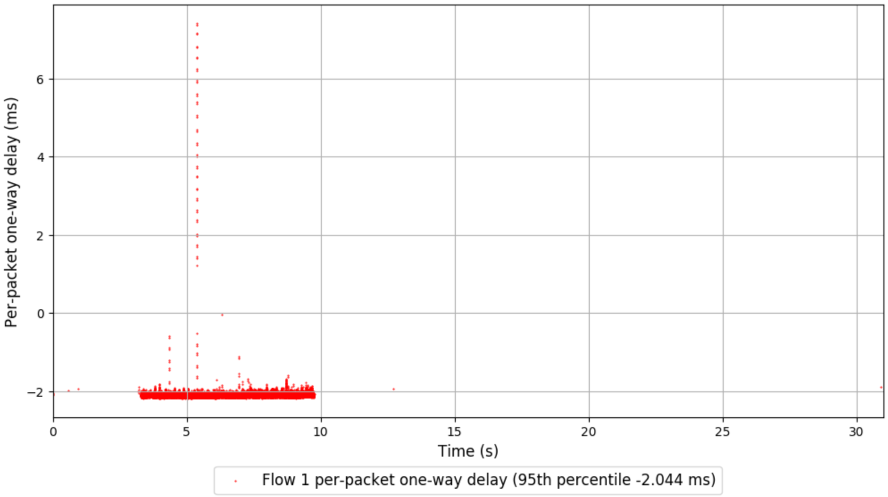




```
Run 7: Statistics of QUIC Cubic (toy)

Start at: Tue, 13 Jun 2017 13:07:12 +0000
End at: Tue, 13 Jun 2017 13:07:42 +0000
Local clock offset: 1.346 ms
Remote clock offset: -1.938 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: -2.044 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: -2.044 ms
Loss rate: 0.04%
```

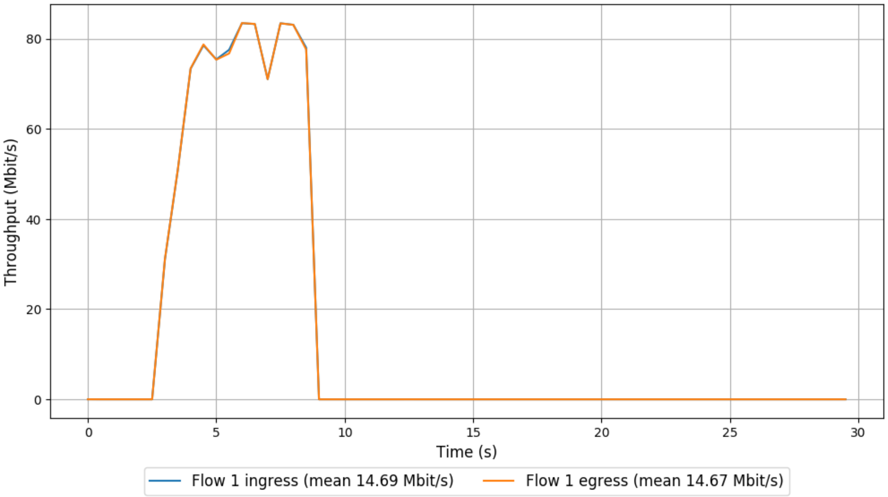
Run 7: Report of QUIC Cubic (toy) — Data Link

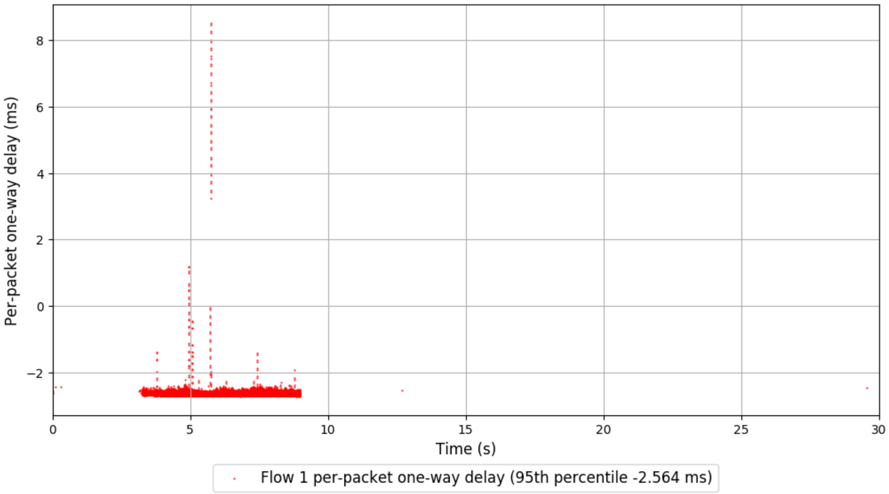




```
Run 8: Statistics of QUIC Cubic (toy)

Start at: Tue, 13 Jun 2017 13:28:28 +0000
End at: Tue, 13 Jun 2017 13:28:58 +0000
Local clock offset: 1.703 ms
Remote clock offset: -1.886 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.67 Mbit/s
95th percentile per-packet one-way delay: -2.564 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 14.67 Mbit/s
95th percentile per-packet one-way delay: -2.564 ms
Loss rate: 0.10%
```

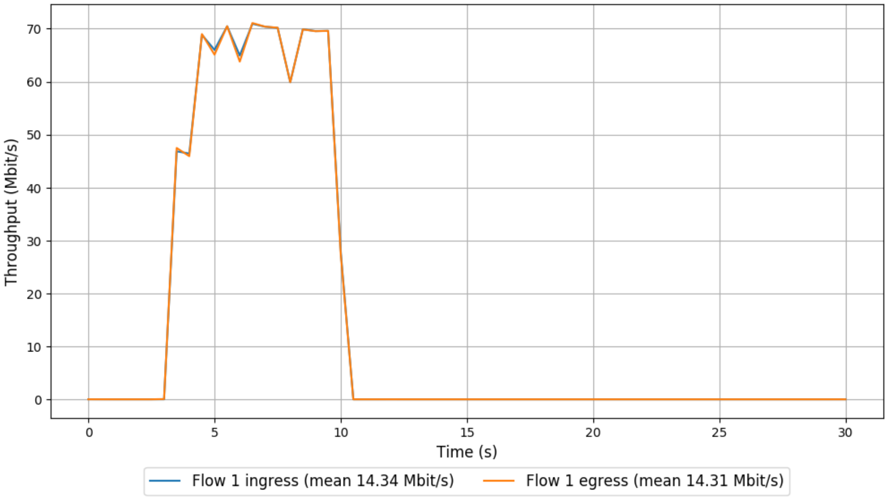
Run 8: Report of QUIC Cubic (toy) — Data Link

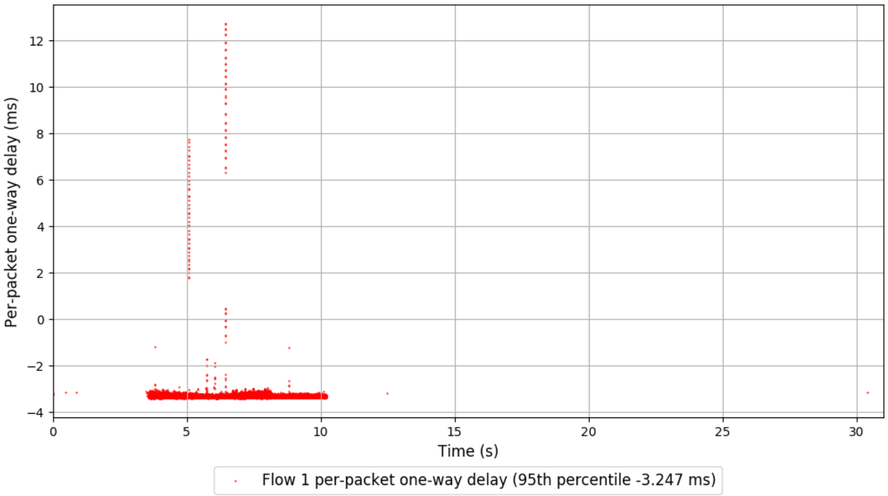




```
Run 9: Statistics of QUIC Cubic (toy)

Start at: Tue, 13 Jun 2017 13:49:43 +0000
End at: Tue, 13 Jun 2017 13:50:13 +0000
Local clock offset: 2.694 ms
Remote clock offset: -1.818 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: -3.247 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 14.31 Mbit/s
95th percentile per-packet one-way delay: -3.247 ms
Loss rate: 0.23%
```

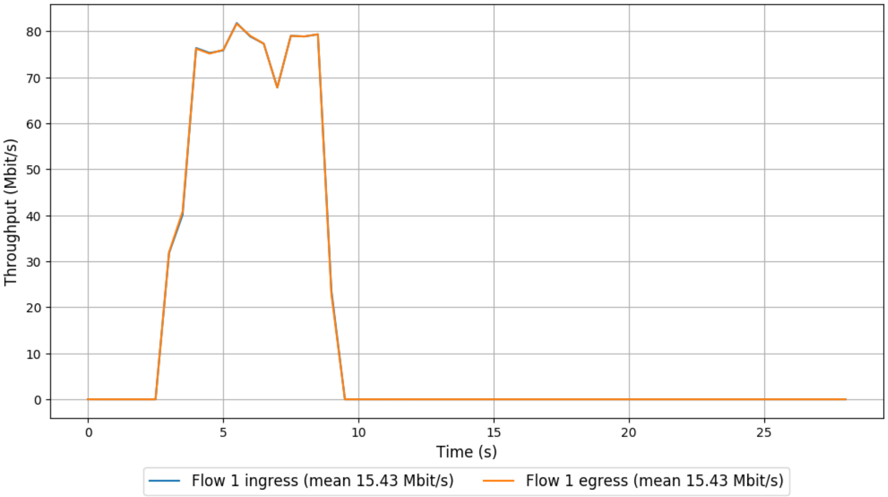
Run 9: Report of QUIC Cubic (toy) — Data Link

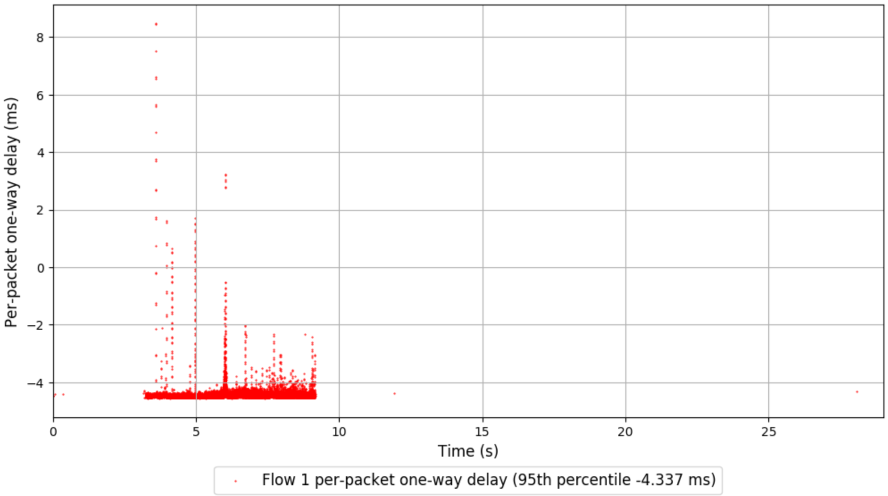




```
Run 10: Statistics of QUIC Cubic (toy)

Start at: Tue, 13 Jun 2017 14:10:57 +0000
End at: Tue, 13 Jun 2017 14:11:27 +0000
Local clock offset: 3.463 ms
Remote clock offset: -2.077 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: -4.337 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.43 Mbit/s
95th percentile per-packet one-way delay: -4.337 ms
Loss rate: 0.01%
```

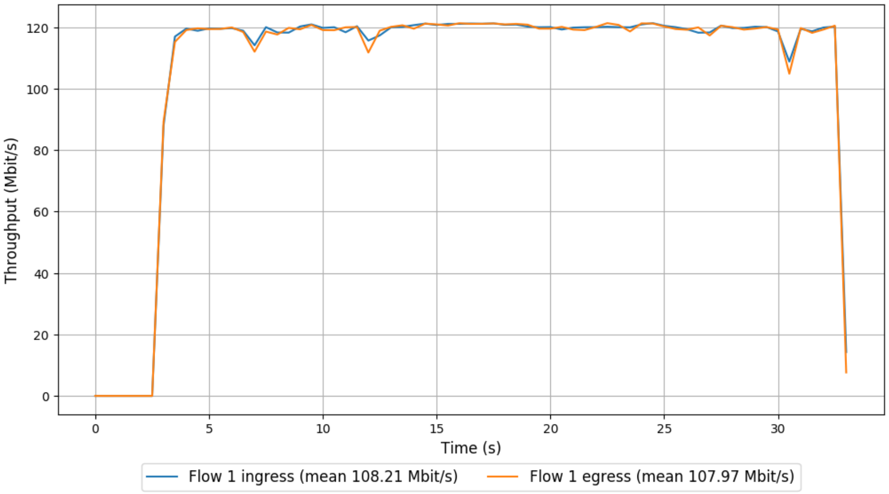
Run 10: Report of QUIC Cubic (toy) — Data Link

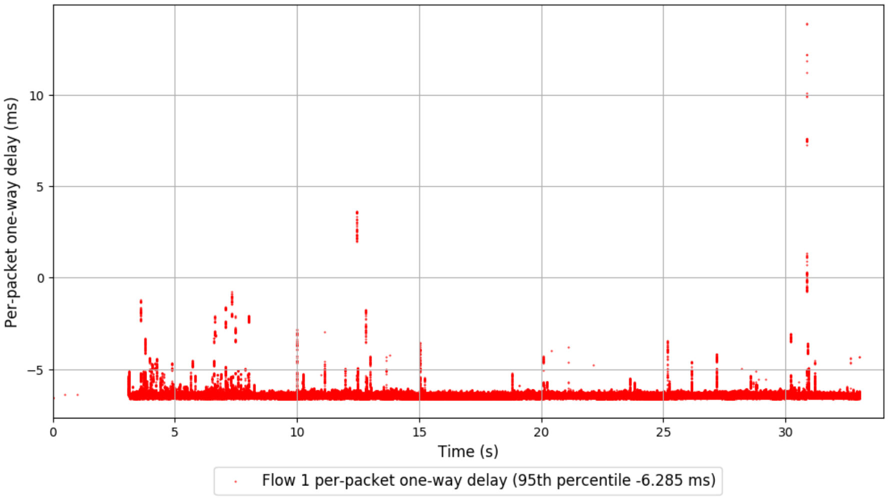




```
Run 1: Statistics of Saturator

Start at: Tue, 13 Jun 2017 10:57:00 +0000
End at: Tue, 13 Jun 2017 10:57:30 +0000
Local clock offset: 5.193 ms
Remote clock offset: -2.351 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.97 Mbit/s
95th percentile per-packet one-way delay: -6.285 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 107.97 Mbit/s
95th percentile per-packet one-way delay: -6.285 ms
Loss rate: 0.27%
```

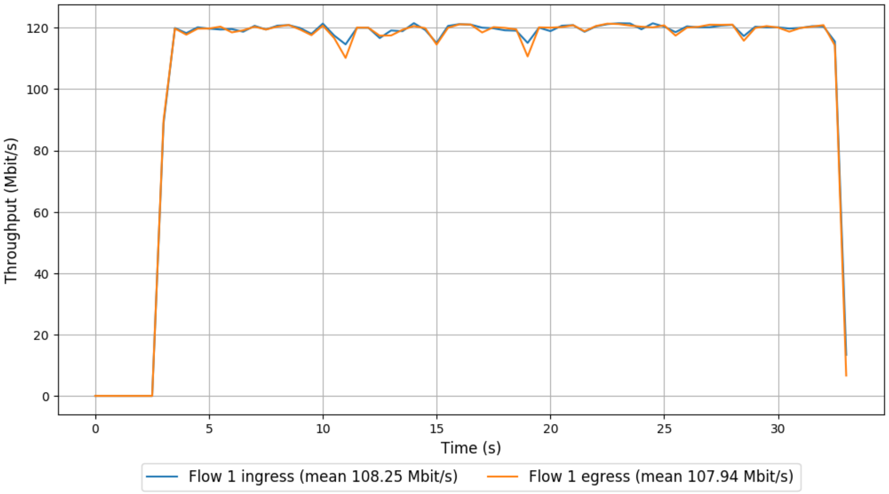
Run 1: Report of Saturator — Data Link

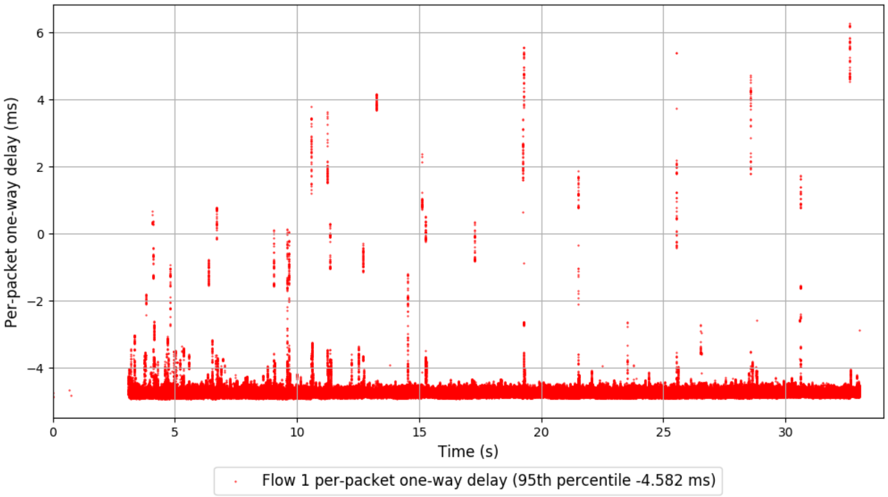




```
Run 2: Statistics of Saturator

Start at: Tue, 13 Jun 2017 11:18:01 +0000
End at: Tue, 13 Jun 2017 11:18:31 +0000
Local clock offset: 3.937 ms
Remote clock offset: -2.035 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:50:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.94 Mbit/s
95th percentile per-packet one-way delay: -4.582 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 107.94 Mbit/s
95th percentile per-packet one-way delay: -4.582 ms
Loss rate: 0.33%
```

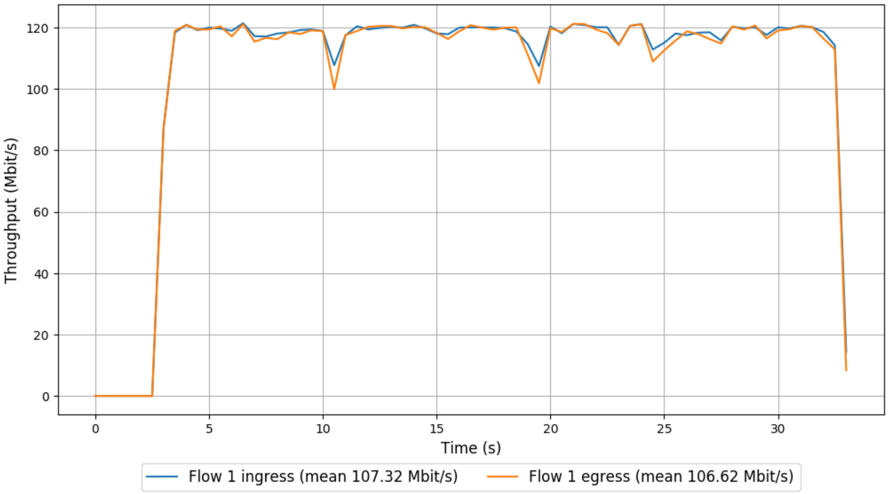
Run 2: Report of Saturator — Data Link

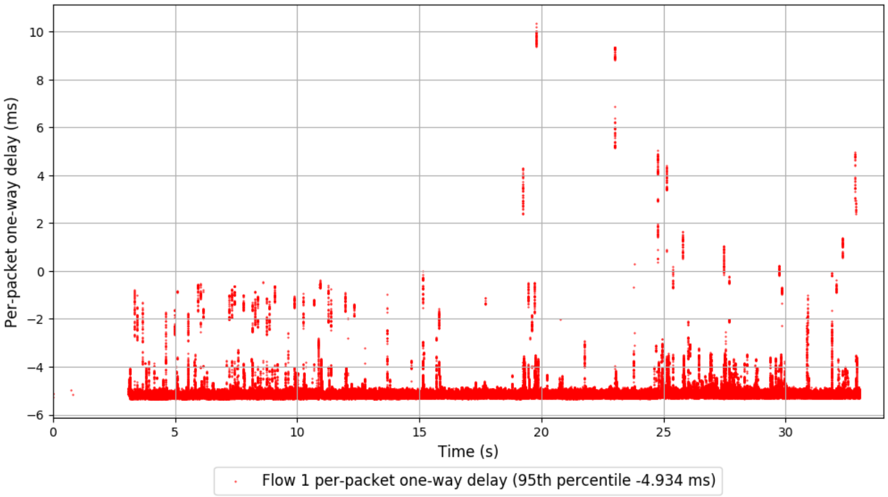




```
Run 3: Statistics of Saturator

Start at: Tue, 13 Jun 2017 11:38:38 +0000
End at: Tue, 13 Jun 2017 11:39:08 +0000
Local clock offset: 3.911 ms
Remote clock offset: -2.44 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:51:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.62 Mbit/s
95th percentile per-packet one-way delay: -4.934 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 106.62 Mbit/s
95th percentile per-packet one-way delay: -4.934 ms
Loss rate: 0.71%
```

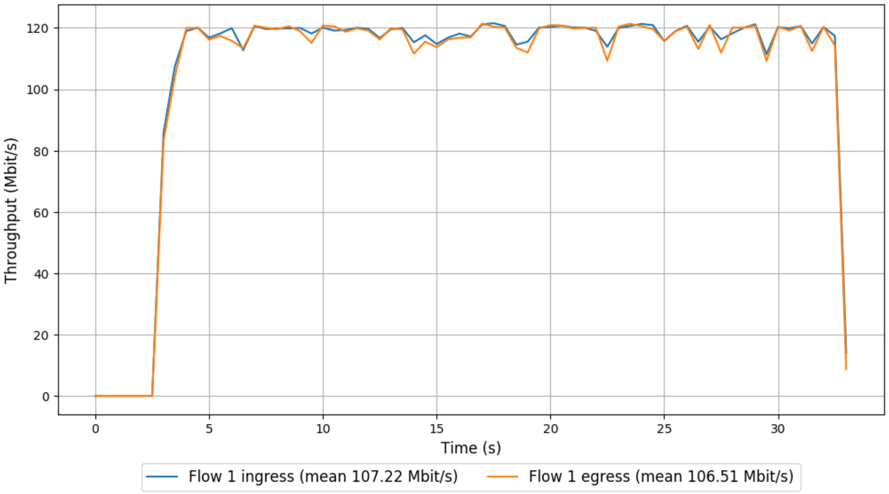
Run 3: Report of Saturator — Data Link

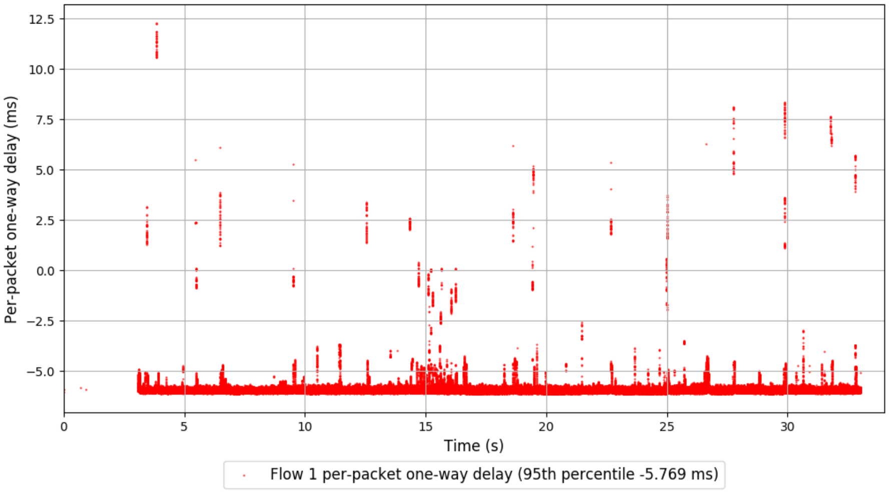




```
Run 4: Statistics of Saturator

Start at: Tue, 13 Jun 2017 11:59:12 +0000
End at: Tue, 13 Jun 2017 11:59:42 +0000
Local clock offset: 4.756 ms
Remote clock offset: -2.334 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:51:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.51 Mbit/s
95th percentile per-packet one-way delay: -5.769 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 106.51 Mbit/s
95th percentile per-packet one-way delay: -5.769 ms
Loss rate: 0.72%
```

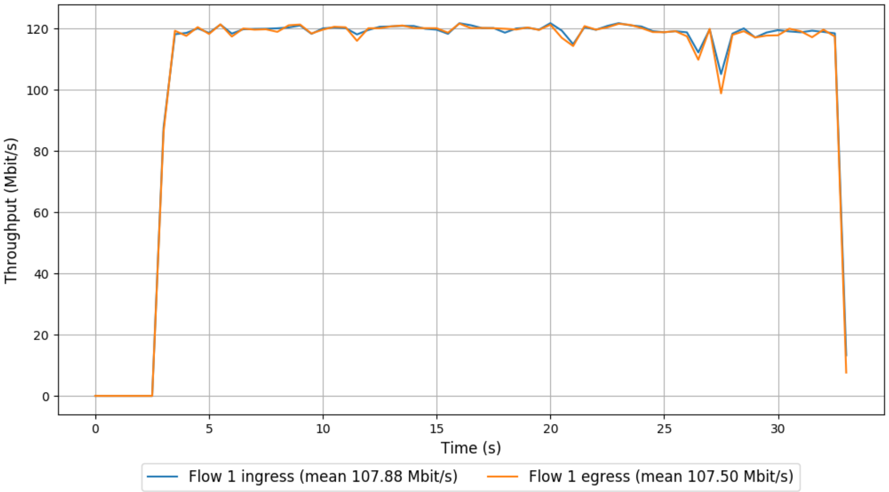
Run 4: Report of Saturator — Data Link

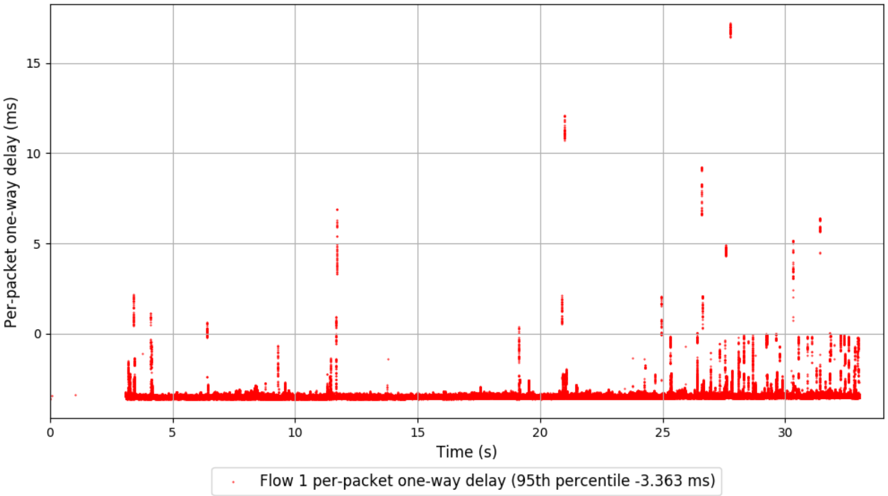




```
Run 5: Statistics of Saturator

Start at: Tue, 13 Jun 2017 12:20:19 +0000
End at: Tue, 13 Jun 2017 12:20:49 +0000
Local clock offset: 2.542 ms
Remote clock offset: -2.189 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:51:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.50 Mbit/s
95th percentile per-packet one-way delay: -3.363 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 107.50 Mbit/s
95th percentile per-packet one-way delay: -3.363 ms
Loss rate: 0.41%
```

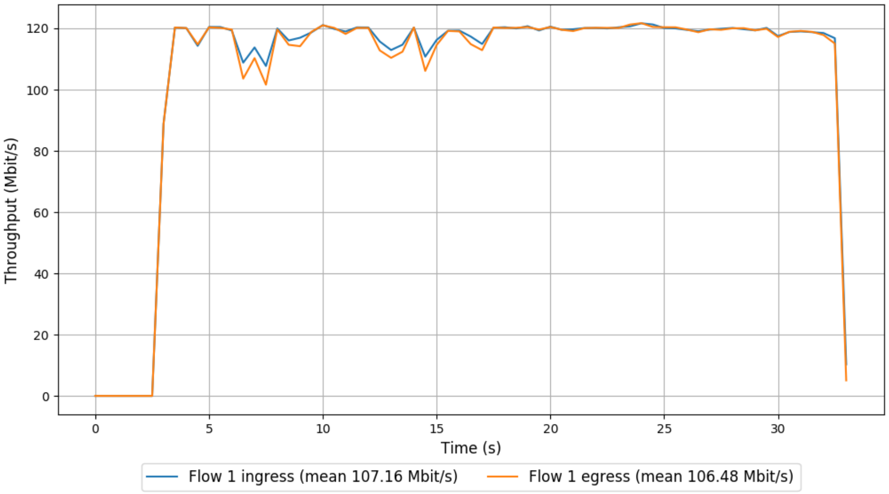
Run 5: Report of Saturator — Data Link

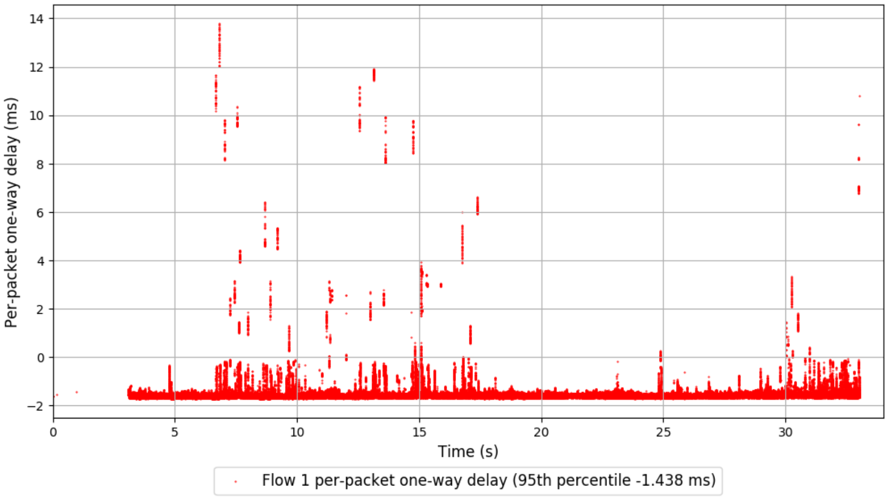




```
Run 6: Statistics of Saturator

Start at: Tue, 13 Jun 2017 12:41:34 +0000
End at: Tue, 13 Jun 2017 12:42:04 +0000
Local clock offset: 0.713 ms
Remote clock offset: -1.932 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:51:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.48 Mbit/s
95th percentile per-packet one-way delay: -1.438 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 106.48 Mbit/s
95th percentile per-packet one-way delay: -1.438 ms
Loss rate: 0.66%
```

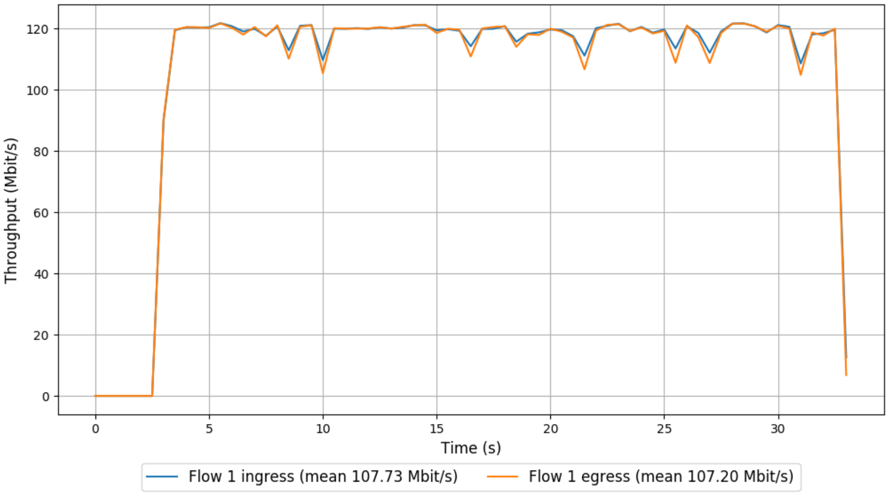
Run 6: Report of Saturator — Data Link

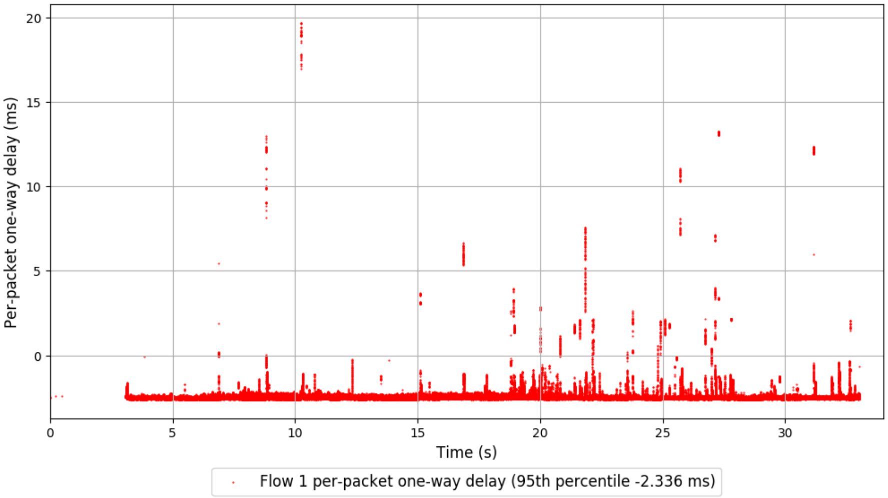




```
Run 7: Statistics of Saturator

Start at: Tue, 13 Jun 2017 13:02:31 +0000
End at: Tue, 13 Jun 2017 13:03:01 +0000
Local clock offset: 1.563 ms
Remote clock offset: -2.001 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:51:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.20 Mbit/s
95th percentile per-packet one-way delay: -2.336 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 107.20 Mbit/s
95th percentile per-packet one-way delay: -2.336 ms
Loss rate: 0.55%
```

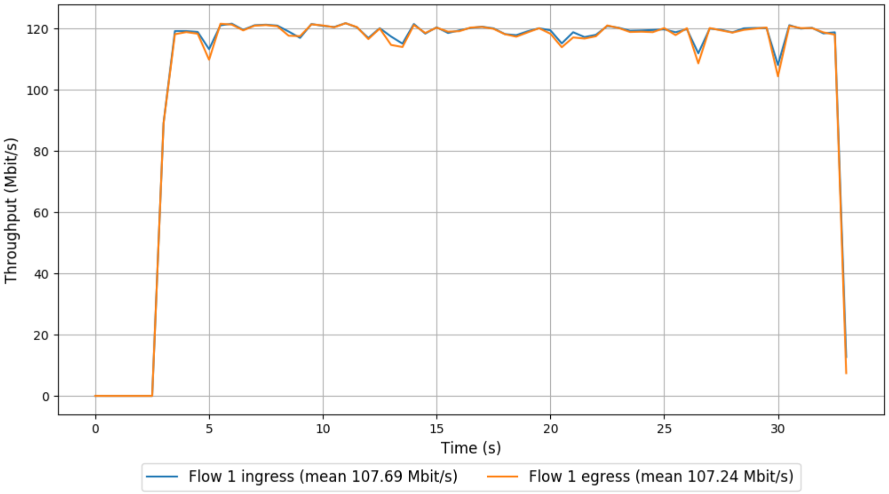
Run 7: Report of Saturator — Data Link

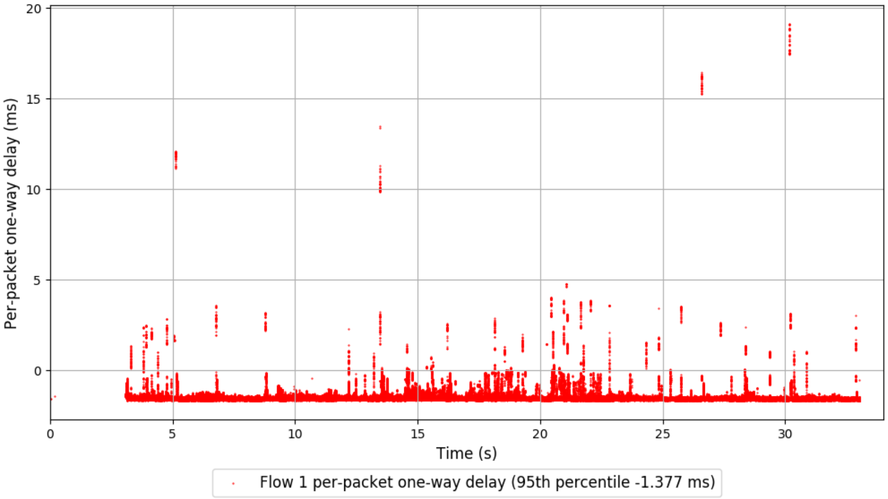




```
Run 8: Statistics of Saturator

Start at: Tue, 13 Jun 2017 13:23:49 +0000
End at: Tue, 13 Jun 2017 13:24:19 +0000
Local clock offset: 0.847 ms
Remote clock offset: -1.713 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:51:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.24 Mbit/s
95th percentile per-packet one-way delay: -1.377 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 107.24 Mbit/s
95th percentile per-packet one-way delay: -1.377 ms
Loss rate: 0.45%
```

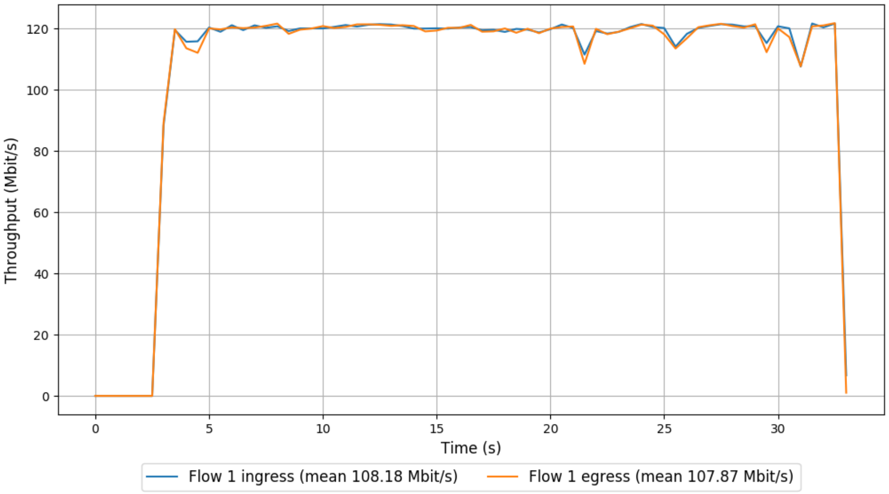
Run 8: Report of Saturator — Data Link

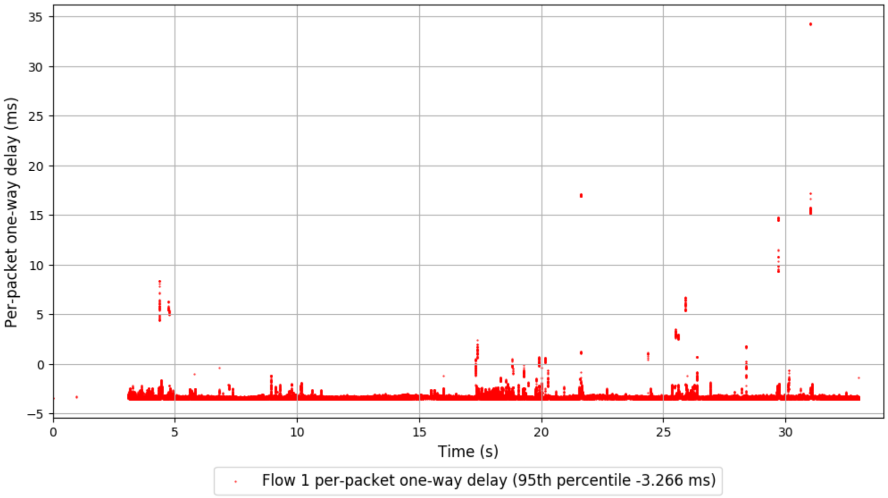




```
Run 9: Statistics of Saturator

Start at: Tue, 13 Jun 2017 13:45:05 +0000
End at: Tue, 13 Jun 2017 13:45:35 +0000
Local clock offset: 2.658 ms
Remote clock offset: -1.743 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:51:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.87 Mbit/s
95th percentile per-packet one-way delay: -3.266 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 107.87 Mbit/s
95th percentile per-packet one-way delay: -3.266 ms
Loss rate: 0.34%
```

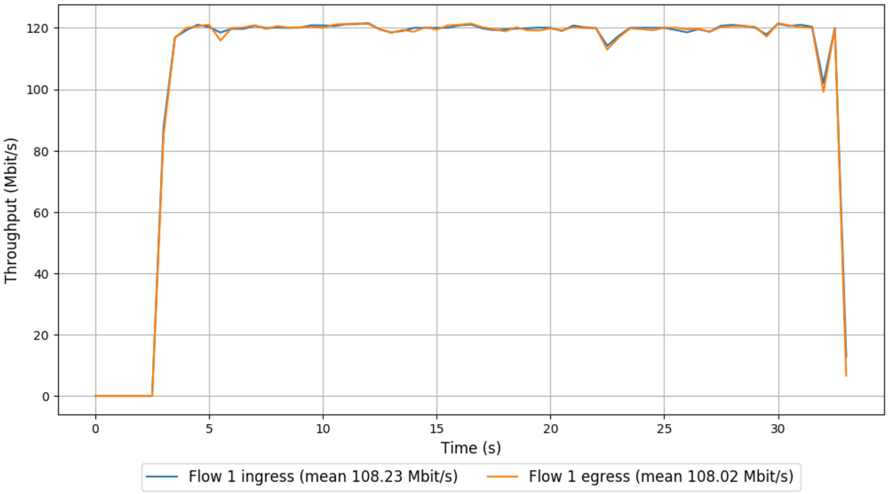
Run 9: Report of Saturator — Data Link

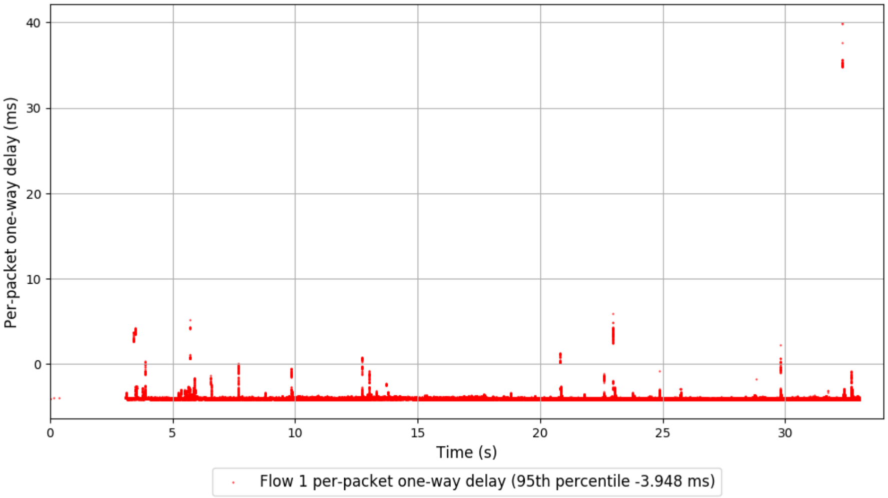




```
Run 10: Statistics of Saturator

Start at: Tue, 13 Jun 2017 14:06:20 +0000
End at: Tue, 13 Jun 2017 14:06:50 +0000
Local clock offset: 3.182 ms
Remote clock offset: -1.984 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.02 Mbit/s
95th percentile per-packet one-way delay: -3.948 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 108.02 Mbit/s
95th percentile per-packet one-way delay: -3.948 ms
Loss rate: 0.26%
```

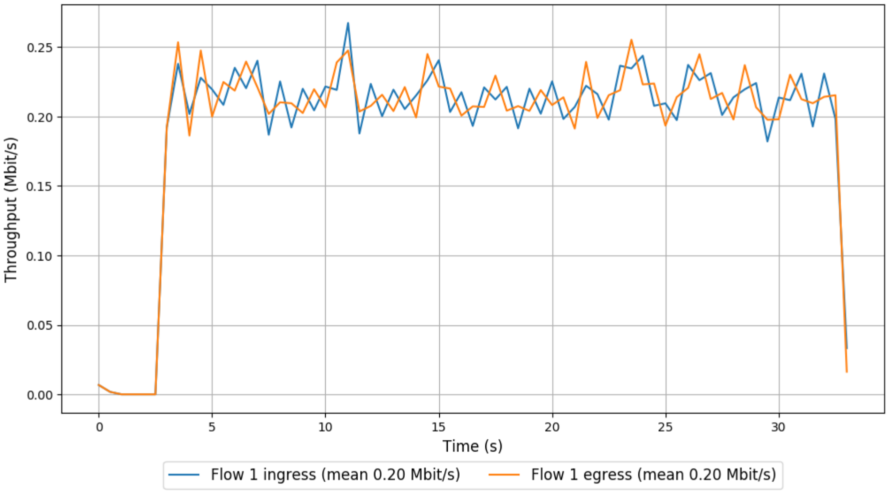
Run 10: Report of Saturator — Data Link

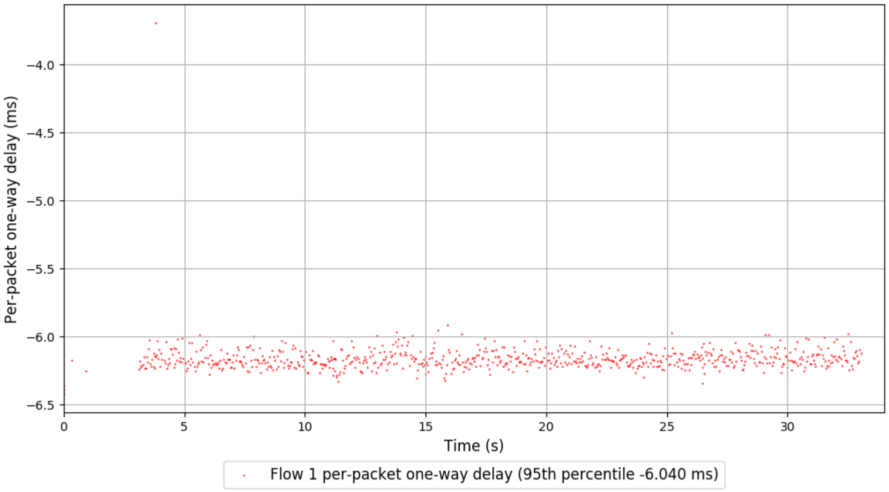




```
Run 1: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 11:04:13 +0000
End at: Tue, 13 Jun 2017 11:04:43 +0000
Local clock offset: 5.194 ms
Remote clock offset: -2.296 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -6.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -6.040 ms
Loss rate: 0.00%
```

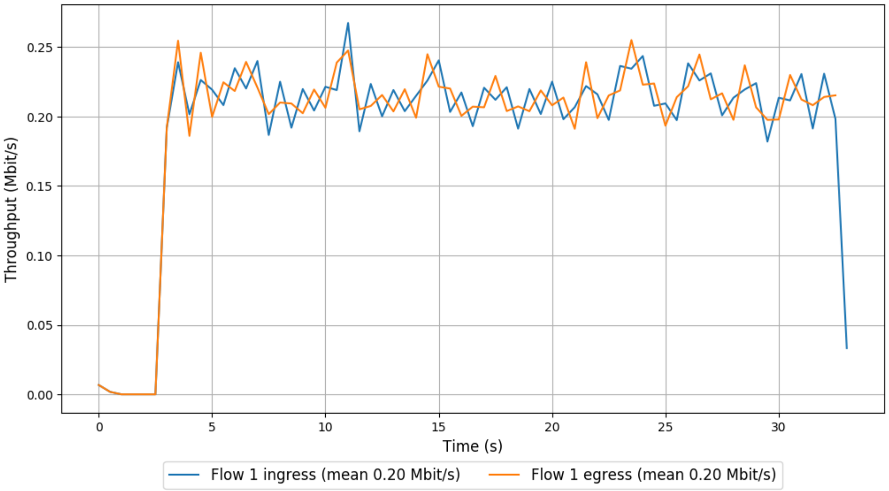
Run 1: Report of SCReAM — Data Link

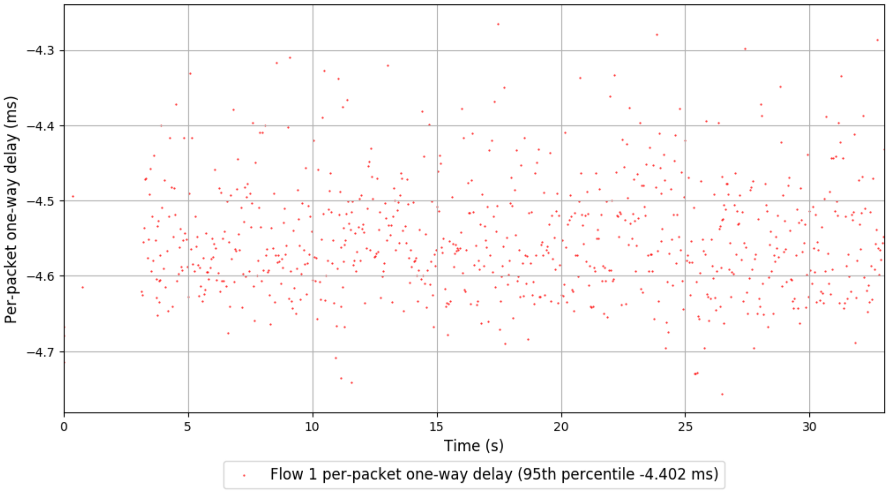




```
Run 2: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 11:25:13 +0000
End at: Tue, 13 Jun 2017 11:25:43 +0000
Local clock offset: 3.665 ms
Remote clock offset: -2.091 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -4.402 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -4.402 ms
Loss rate: 0.13%
```

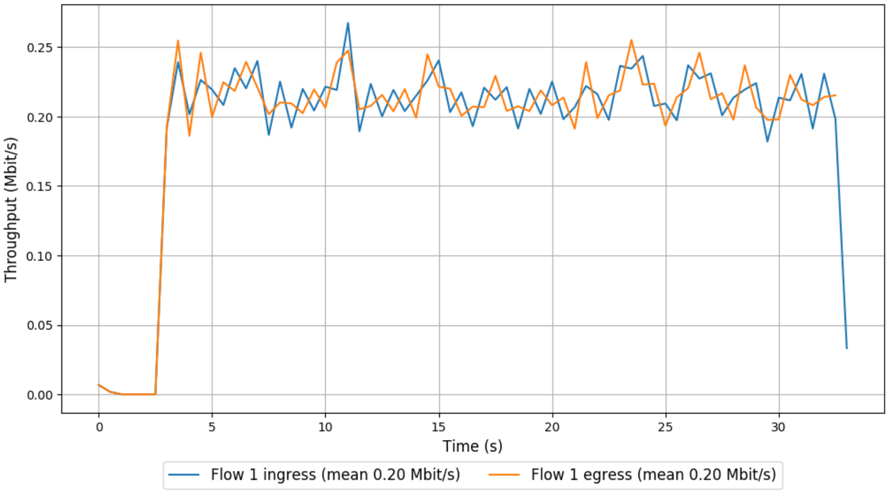
Run 2: Report of SCReAM — Data Link

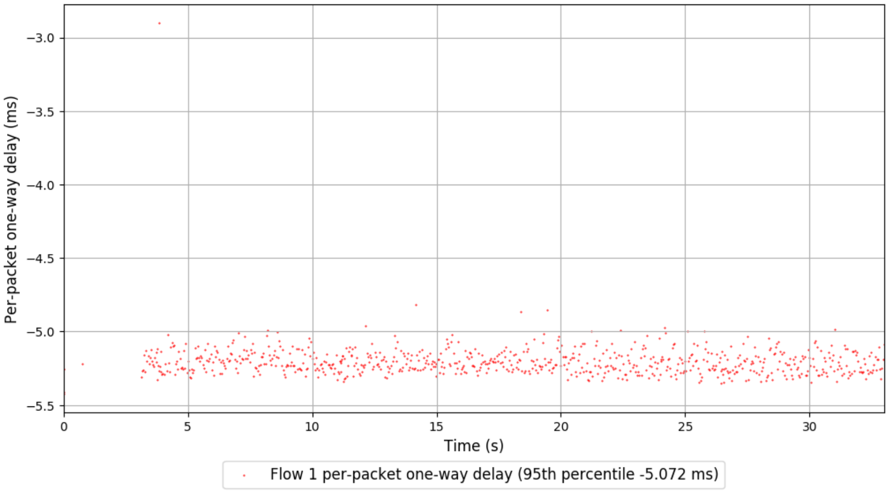




```
Run 3: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 11:45:50 +0000
End at: Tue, 13 Jun 2017 11:46:20 +0000
Local clock offset: 3.848 ms
Remote clock offset: -2.564 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -5.072 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -5.072 ms
Loss rate: 0.13%
```

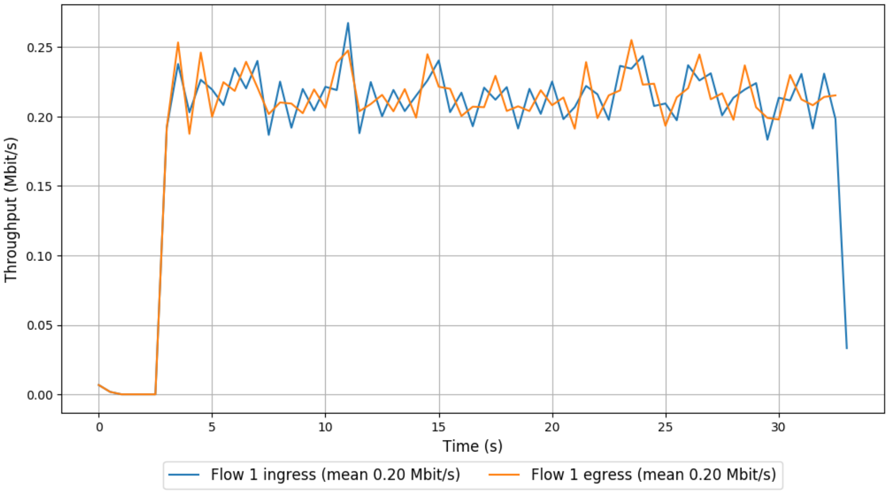
Run 3: Report of SCReAM — Data Link

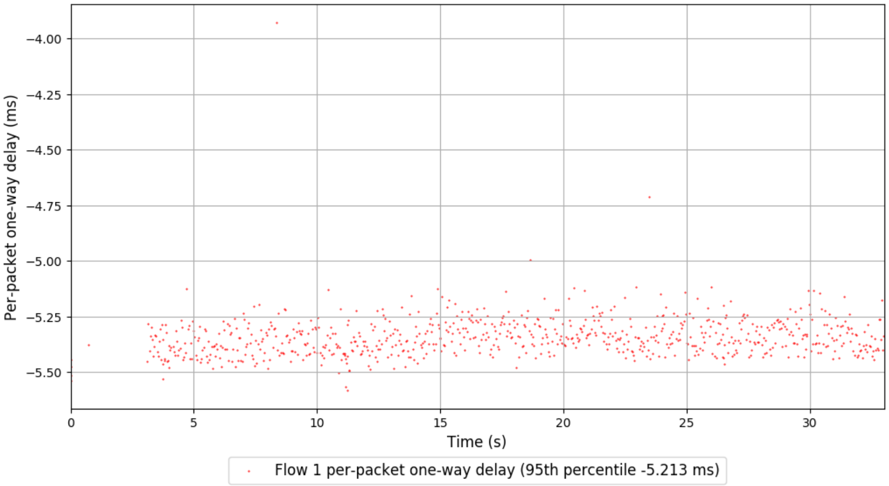




```
Run 4: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 12:06:24 +0000
End at: Tue, 13 Jun 2017 12:06:54 +0000
Local clock offset: 4.425 ms
Remote clock offset: -2.298 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -5.213 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -5.213 ms
Loss rate: 0.13%
```

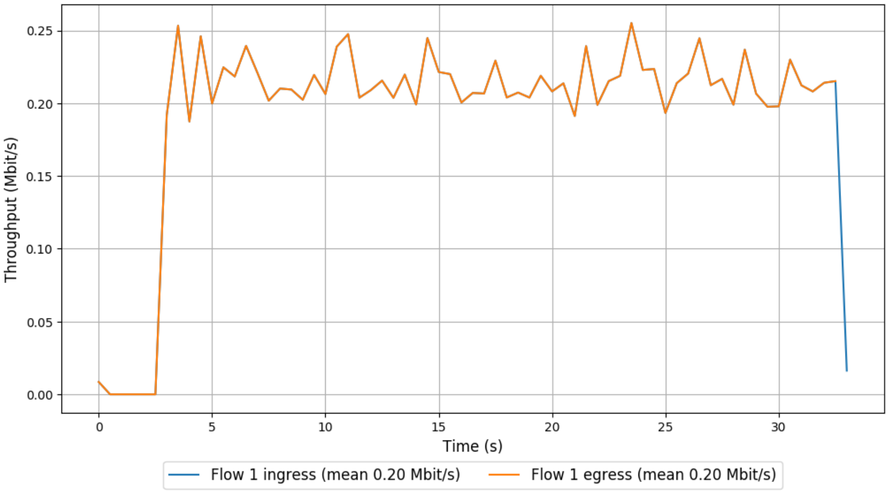
Run 4: Report of SCReAM — Data Link

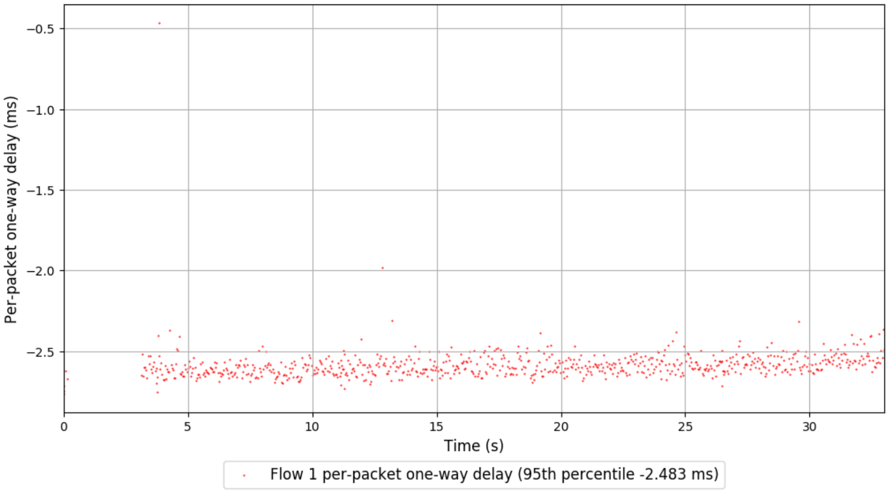




```
Run 5: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 12:27:33 +0000
End at: Tue, 13 Jun 2017 12:28:03 +0000
Local clock offset: 1.799 ms
Remote clock offset: -2.078 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -2.483 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -2.483 ms
Loss rate: 0.13%
```

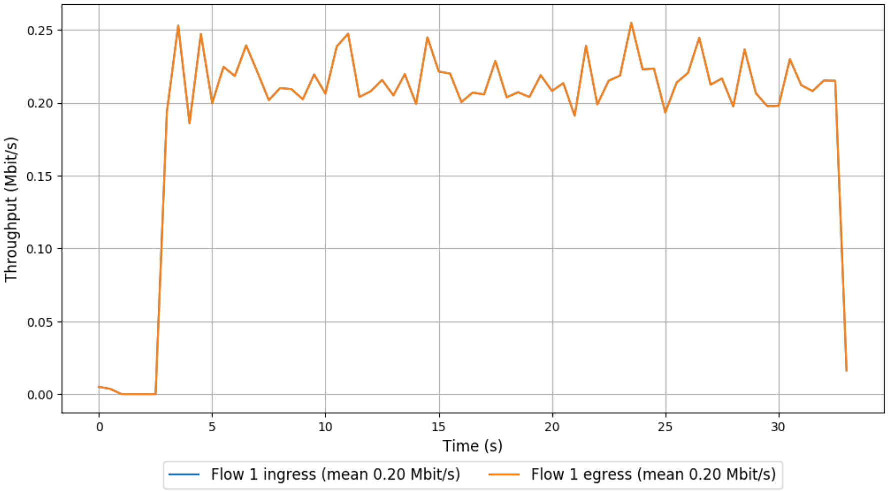
Run 5: Report of SCReAM — Data Link

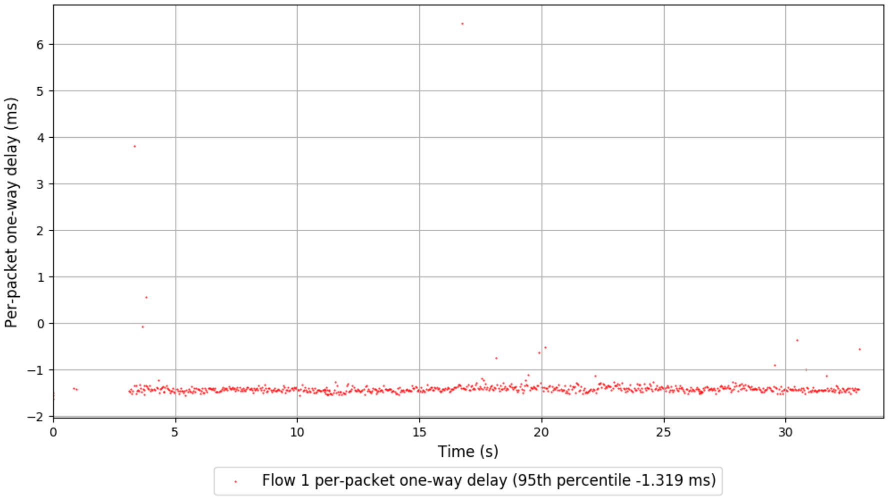




```
Run 6: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 12:48:47 +0000
End at: Tue, 13 Jun 2017 12:49:17 +0000
Local clock offset: 0.72 ms
Remote clock offset: -1.899 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -1.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -1.319 ms
Loss rate: 0.00%
```

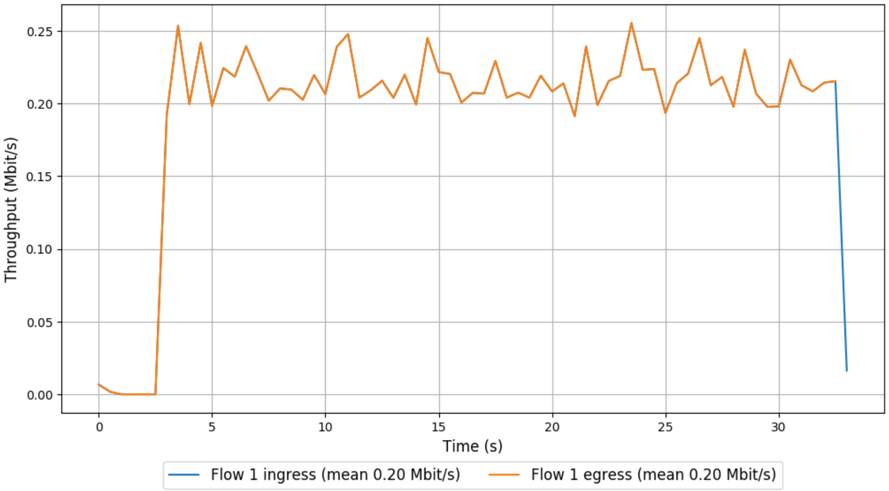
Run 6: Report of SCReAM — Data Link

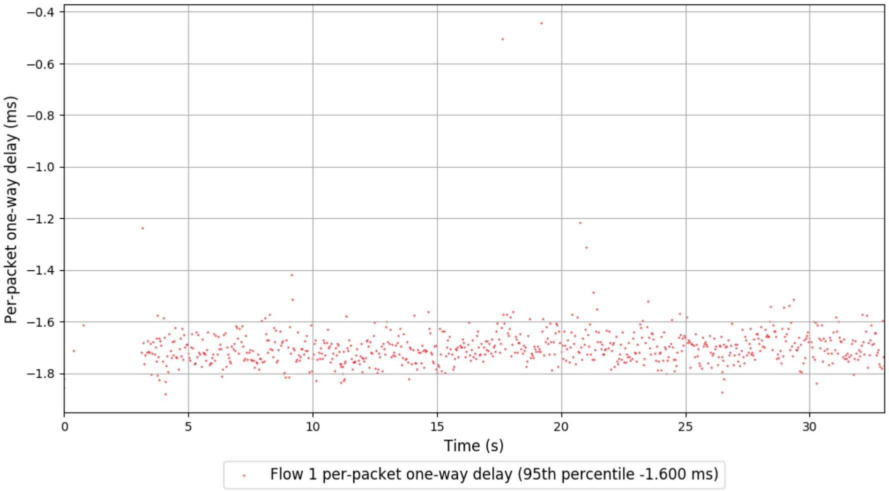




```
Run 7: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 13:09:47 +0000
End at: Tue, 13 Jun 2017 13:10:17 +0000
Local clock offset: 1.17 ms
Remote clock offset: -1.863 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -1.600 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -1.600 ms
Loss rate: 0.13%
```

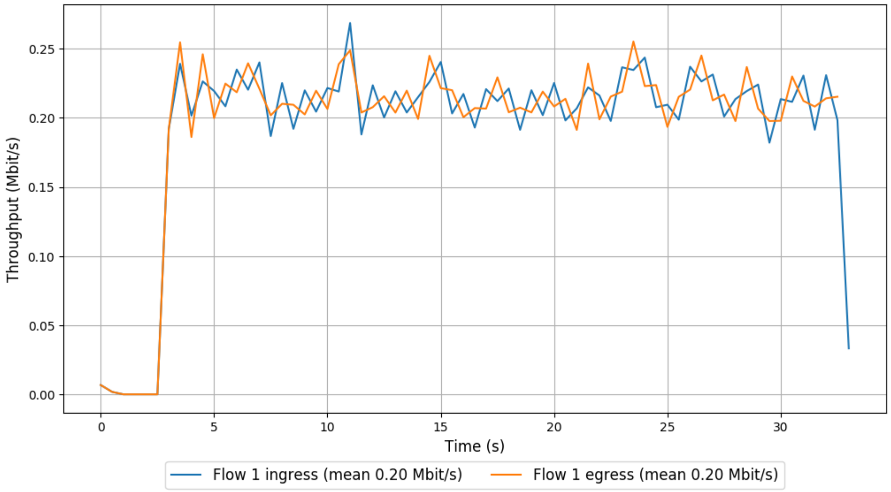
Run 7: Report of SCReAM — Data Link

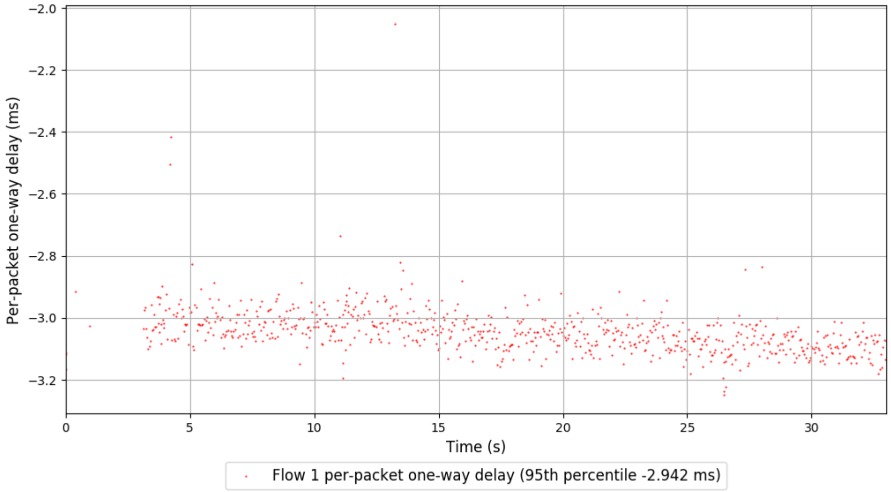




```
Run 8: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 13:31:02 +0000
End at: Tue, 13 Jun 2017 13:31:32 +0000
Local clock offset: 2.266 ms
Remote clock offset: -1.968 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -2.942 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -2.942 ms
Loss rate: 0.13%
```

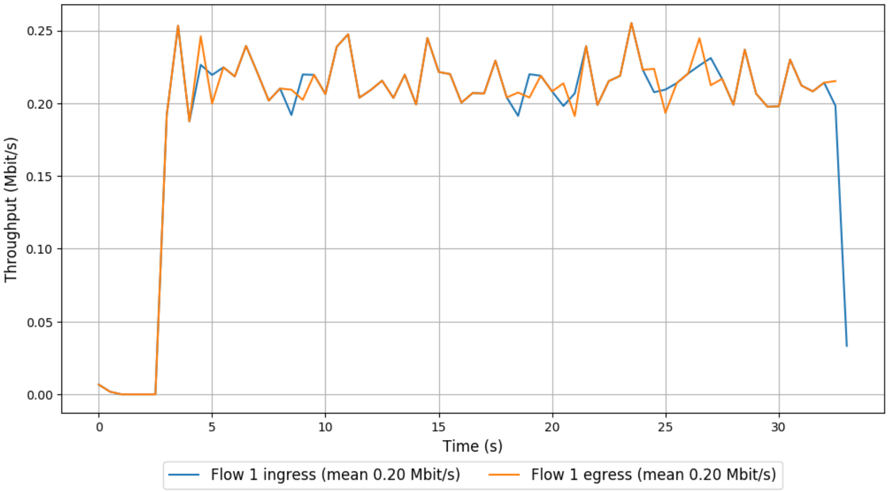
Run 8: Report of SCReAM — Data Link

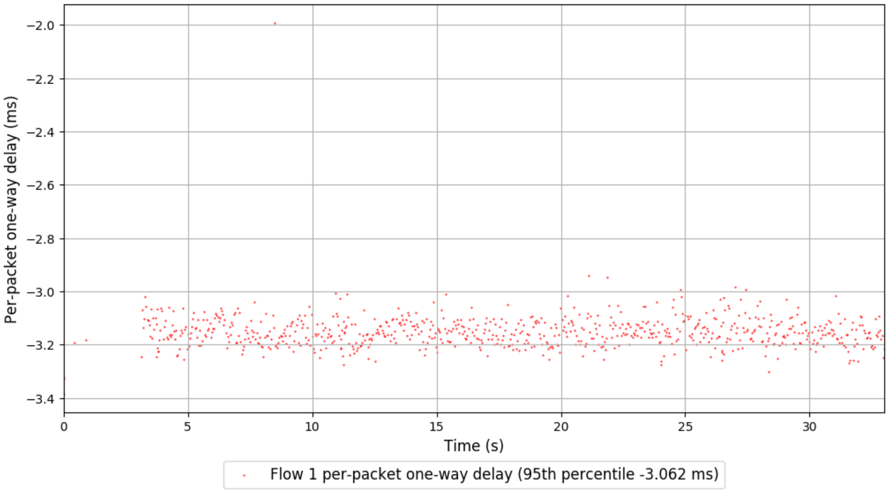




```
Run 9: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 13:52:17 +0000
End at: Tue, 13 Jun 2017 13:52:47 +0000
Local clock offset: 2.577 ms
Remote clock offset: -1.792 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -3.062 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -3.062 ms
Loss rate: 0.13%
```

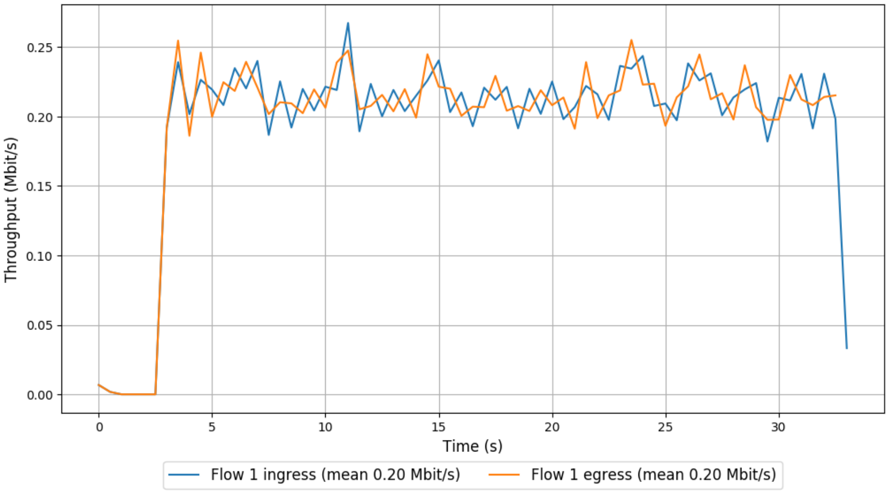
Run 9: Report of SCReAM — Data Link

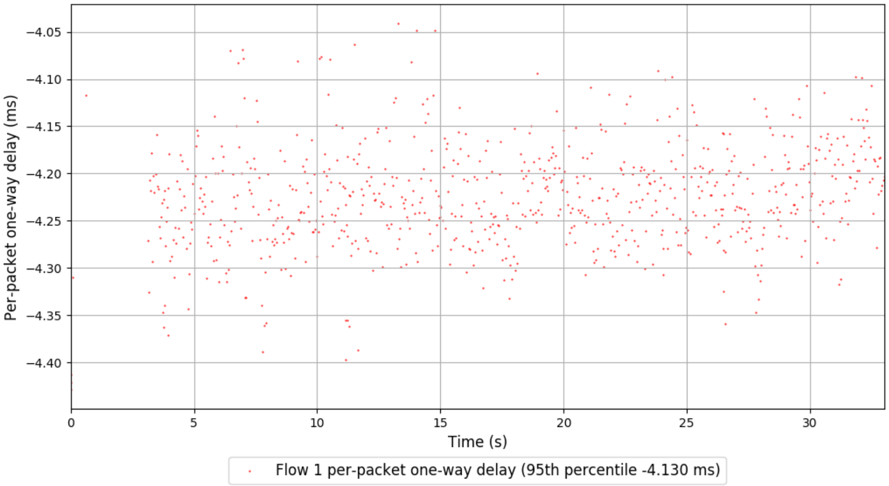




```
Run 10: Statistics of SCReAM

Start at: Tue, 13 Jun 2017 14:13:31 +0000
End at: Tue, 13 Jun 2017 14:14:01 +0000
Local clock offset: 3.302 ms
Remote clock offset: -2.172 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -4.130 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -4.130 ms
Loss rate: 0.13%
```

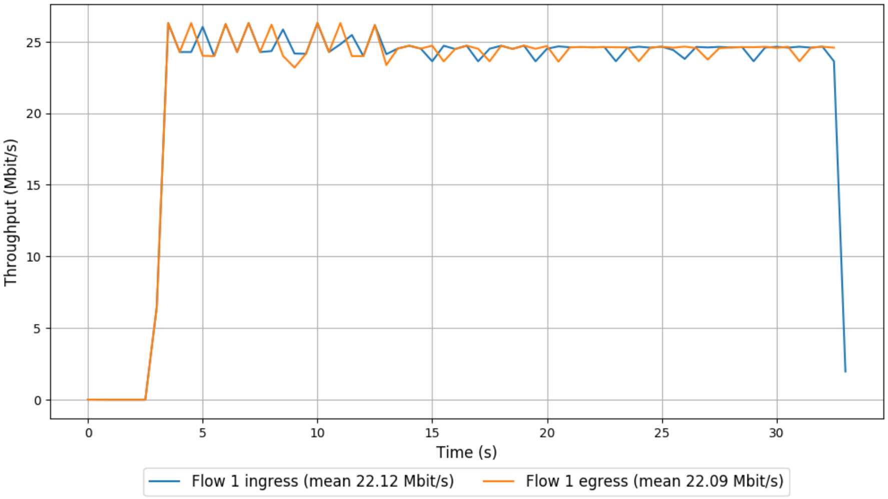
Run 10: Report of SCReAM — Data Link

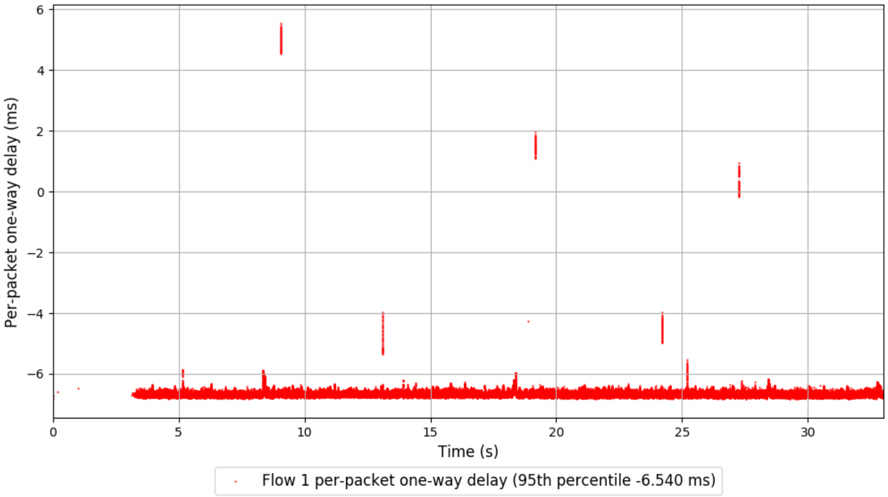




```
Run 1: Statistics of Sprout

Start at: Tue, 13 Jun 2017 10:51:15 +0000
End at: Tue, 13 Jun 2017 10:51:45 +0000
Local clock offset: 5.375 ms
Remote clock offset: -2.38 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: -6.540 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 22.09 Mbit/s
95th percentile per-packet one-way delay: -6.540 ms
Loss rate: 0.19%
```

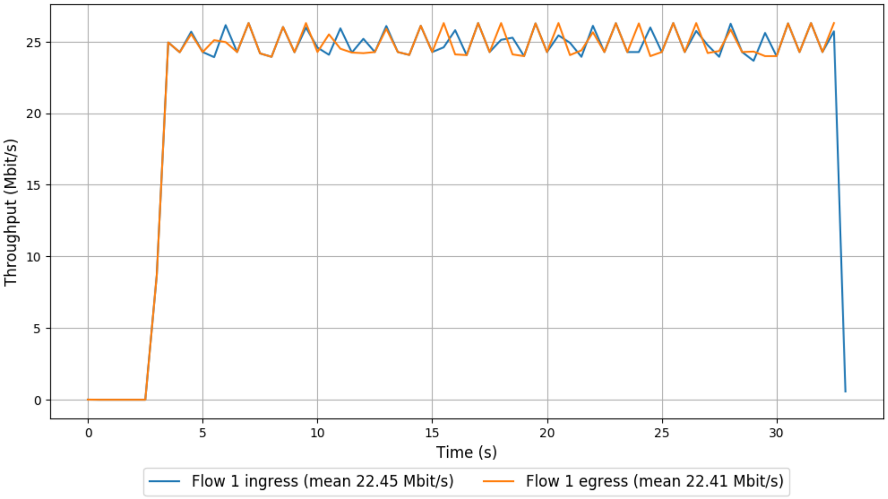
Run 1: Report of Sprout — Data Link

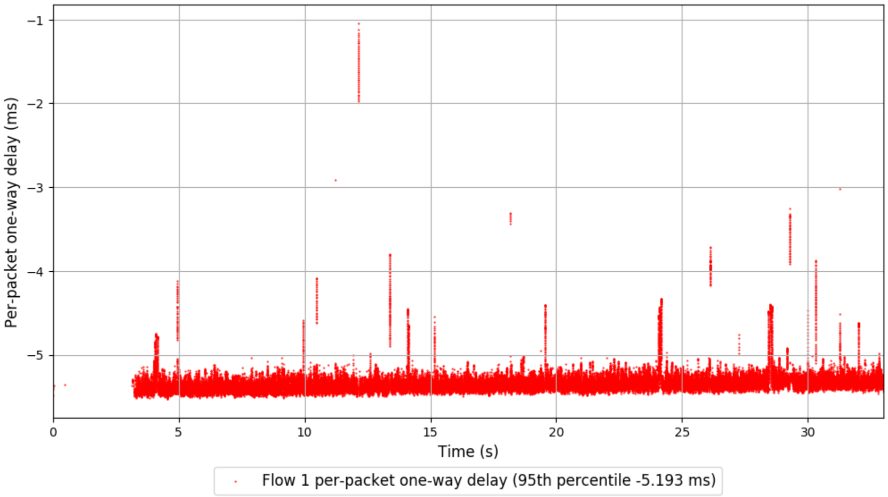




```
Run 2: Statistics of Sprout

Start at: Tue, 13 Jun 2017 11:12:19 +0000
End at: Tue, 13 Jun 2017 11:12:49 +0000
Local clock offset: 4.49 ms
Remote clock offset: -2.163 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: -5.193 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 22.41 Mbit/s
95th percentile per-packet one-way delay: -5.193 ms
Loss rate: 0.16%
```

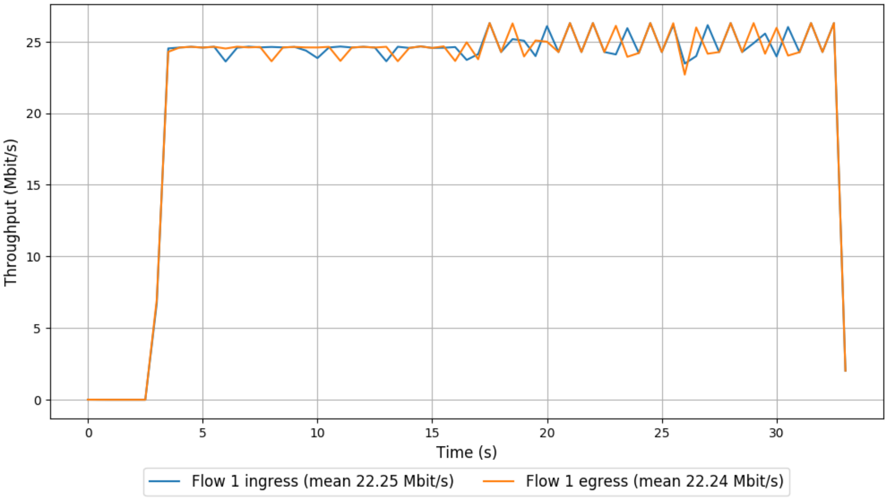
Run 2: Report of Sprout — Data Link

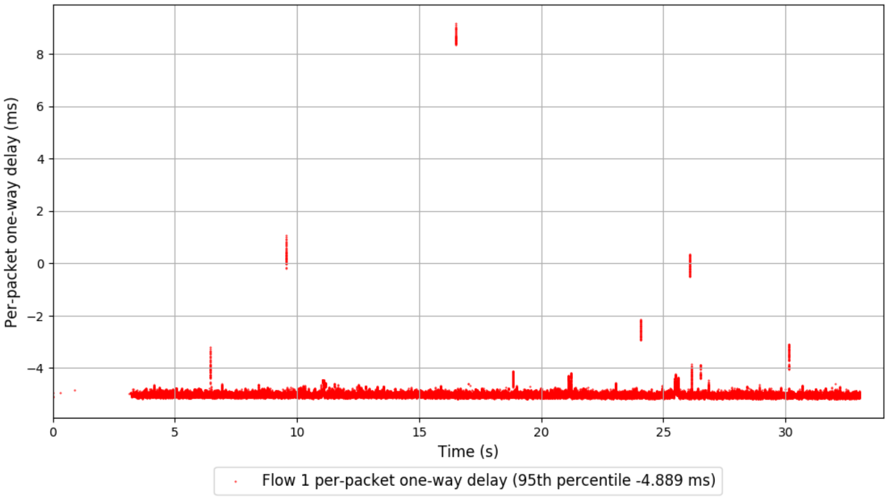




```
Run 3: Statistics of Sprout

Start at: Tue, 13 Jun 2017 11:33:22 +0000
End at: Tue, 13 Jun 2017 11:33:52 +0000
Local clock offset: 3.787 ms
Remote clock offset: -2.285 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: -4.889 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: -4.889 ms
Loss rate: 0.05%
```

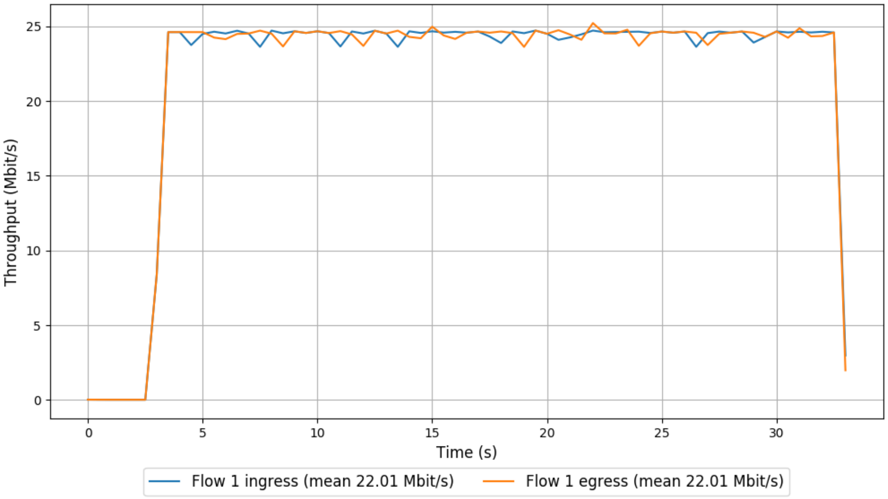
Run 3: Report of Sprout — Data Link

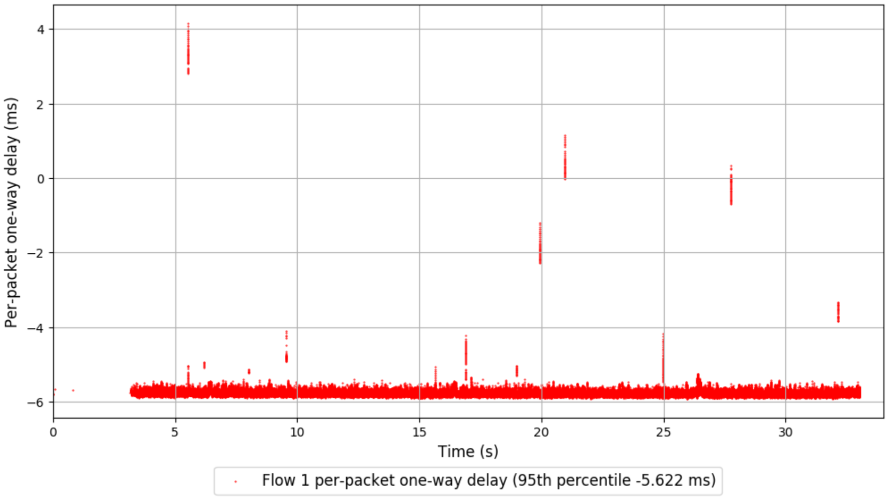




```
Run 4: Statistics of Sprout

Start at: Tue, 13 Jun 2017 11:53:57 +0000
End at: Tue, 13 Jun 2017 11:54:27 +0000
Local clock offset: 4.466 ms
Remote clock offset: -2.387 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.01 Mbit/s
95th percentile per-packet one-way delay: -5.622 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 22.01 Mbit/s
95th percentile per-packet one-way delay: -5.622 ms
Loss rate: 0.07%
```

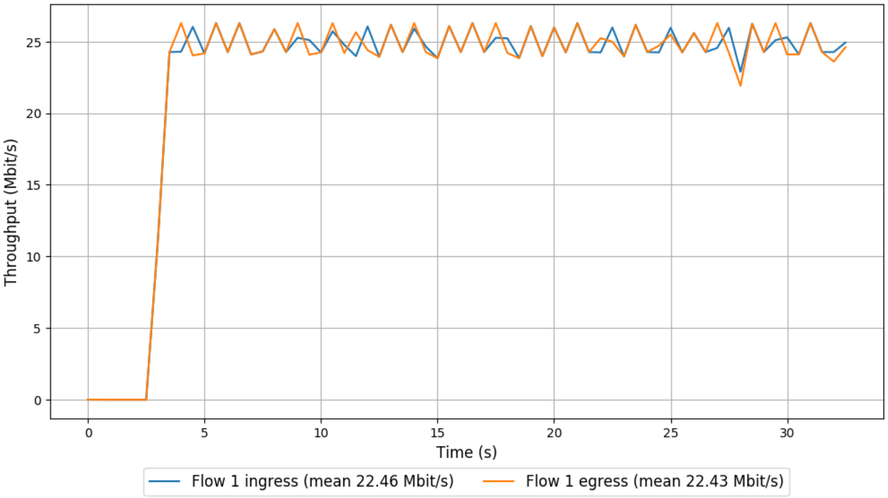
Run 4: Report of Sprout — Data Link

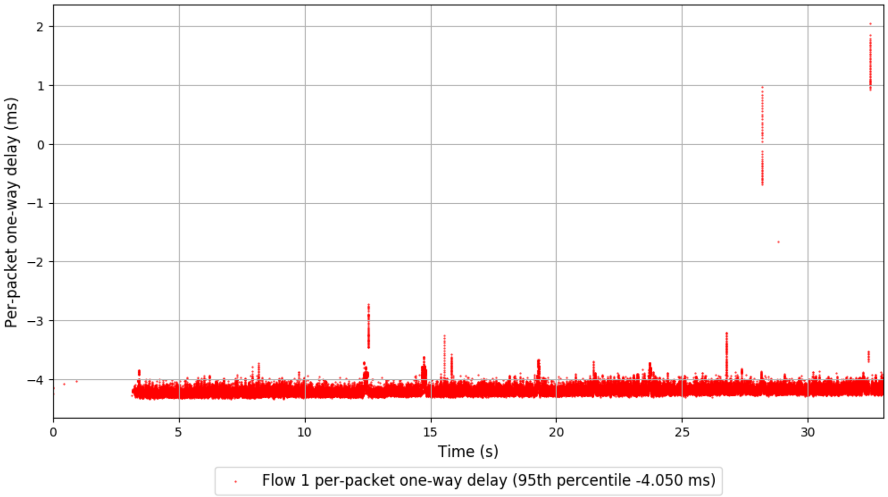




```
Run 5: Statistics of Sprout

Start at: Tue, 13 Jun 2017 12:14:30 +0000
End at: Tue, 13 Jun 2017 12:15:00 +0000
Local clock offset: 3.263 ms
Remote clock offset: -2.221 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: -4.050 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: -4.050 ms
Loss rate: 0.13%
```

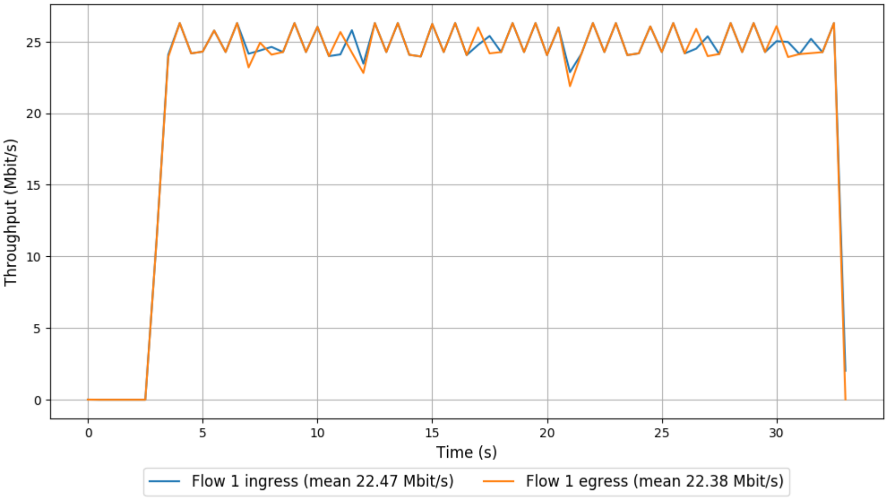
Run 5: Report of Sprout — Data Link

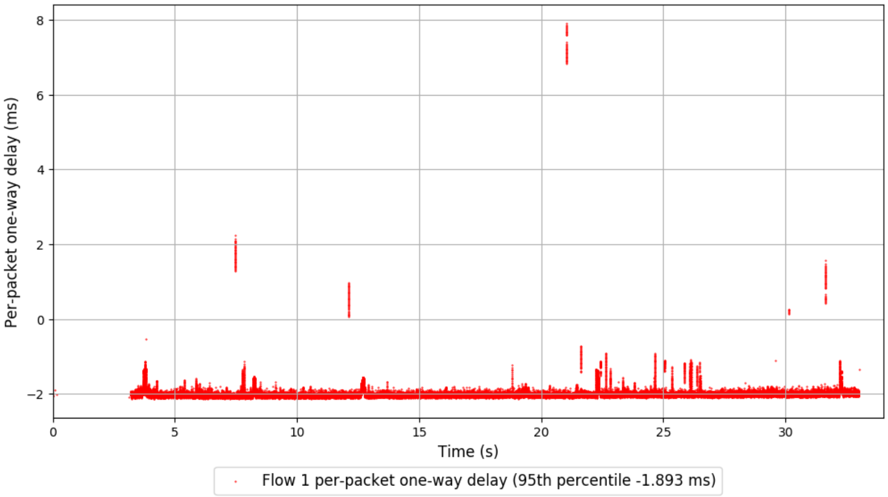




```
Run 6: Statistics of Sprout

Start at: Tue, 13 Jun 2017 12:35:41 +0000
End at: Tue, 13 Jun 2017 12:36:11 +0000
Local clock offset: 1.116 ms
Remote clock offset: -1.974 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.38 Mbit/s
95th percentile per-packet one-way delay: -1.893 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 22.38 Mbit/s
95th percentile per-packet one-way delay: -1.893 ms
Loss rate: 0.39%
```

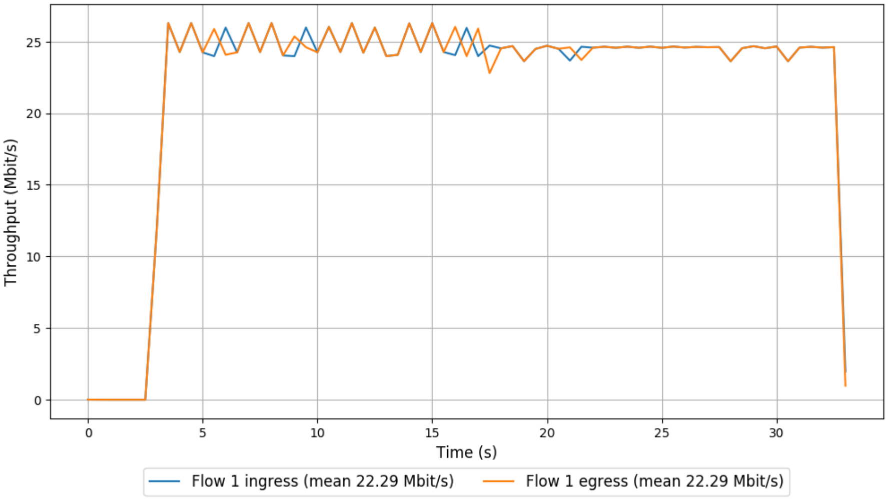
Run 6: Report of Sprout — Data Link

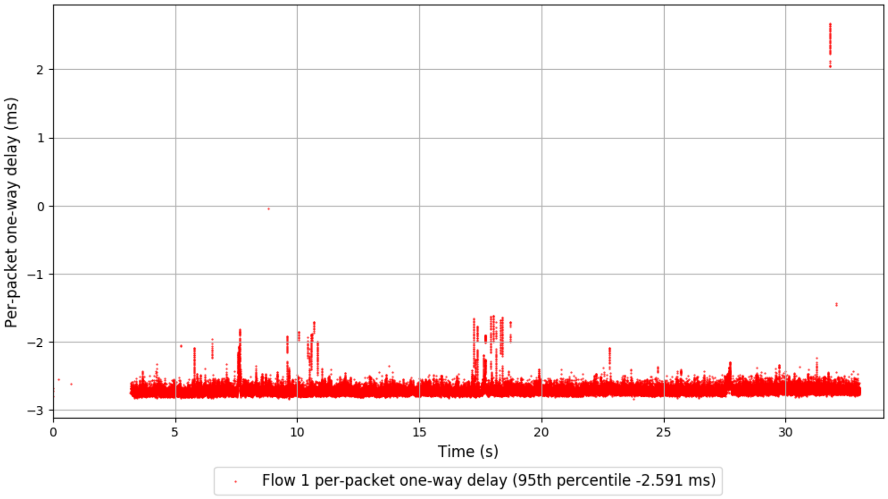




```
Run 7: Statistics of Sprout

Start at: Tue, 13 Jun 2017 12:56:56 +0000
End at: Tue, 13 Jun 2017 12:57:26 +0000
Local clock offset: 1.776 ms
Remote clock offset: -1.965 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: -2.591 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 22.29 Mbit/s
95th percentile per-packet one-way delay: -2.591 ms
Loss rate: 0.07%
```

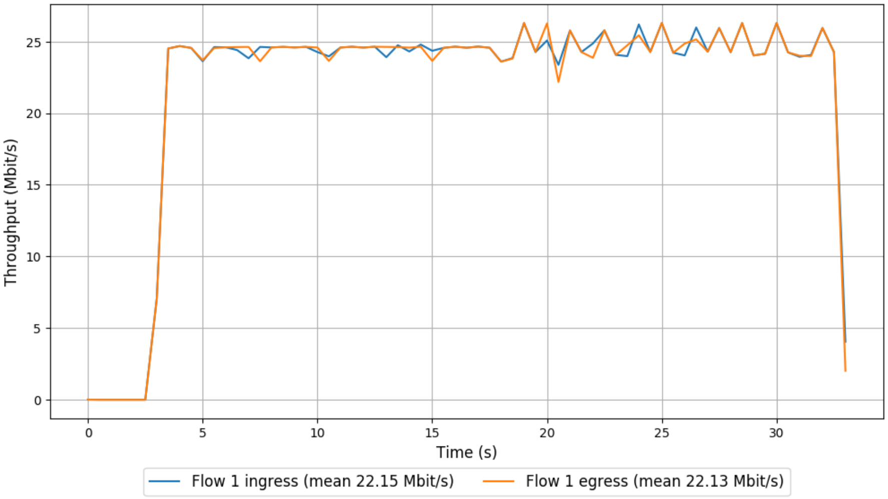
Run 7: Report of Sprout — Data Link

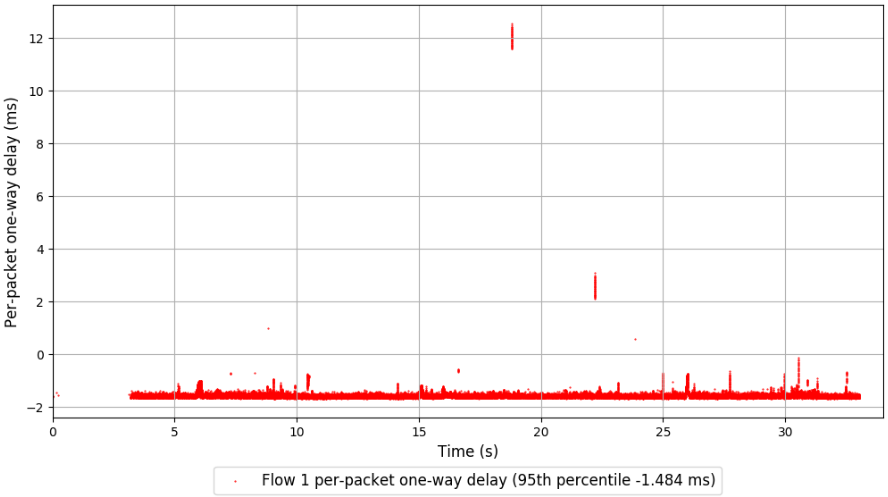




```
Run 8: Statistics of Sprout

Start at: Tue, 13 Jun 2017 13:17:57 +0000
End at: Tue, 13 Jun 2017 13:18:27 +0000
Local clock offset: 0.808 ms
Remote clock offset: -1.83 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.13 Mbit/s
95th percentile per-packet one-way delay: -1.484 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 22.13 Mbit/s
95th percentile per-packet one-way delay: -1.484 ms
Loss rate: 0.21%
```

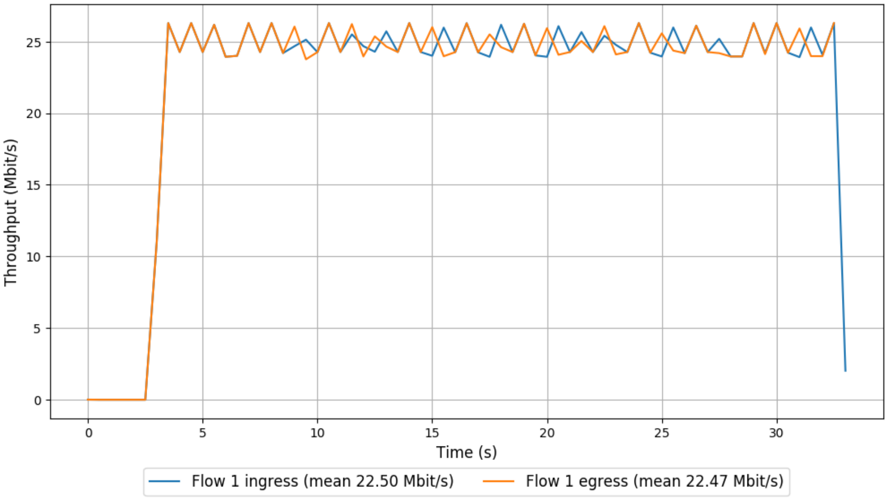
Run 8: Report of Sprout — Data Link

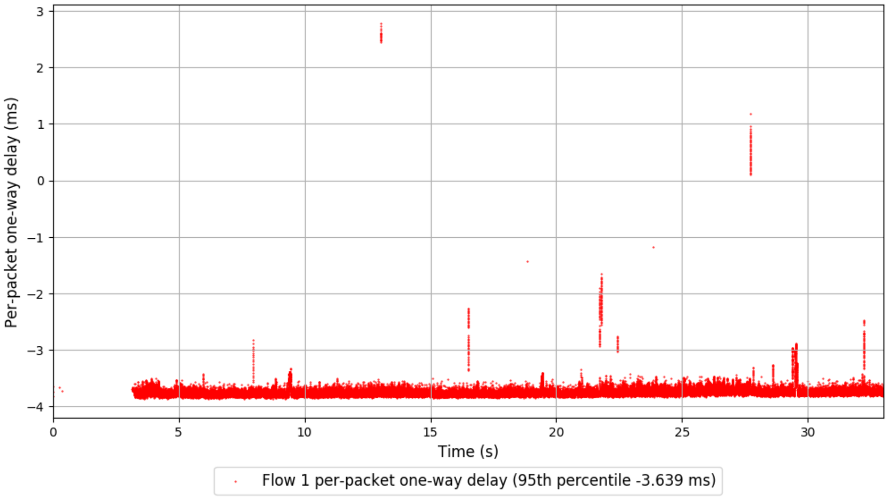




```
Run 9: Statistics of Sprout

Start at: Tue, 13 Jun 2017 13:39:14 +0000
End at: Tue, 13 Jun 2017 13:39:44 +0000
Local clock offset: 2.942 ms
Remote clock offset: -1.887 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: -3.639 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 22.47 Mbit/s
95th percentile per-packet one-way delay: -3.639 ms
Loss rate: 0.26%
```

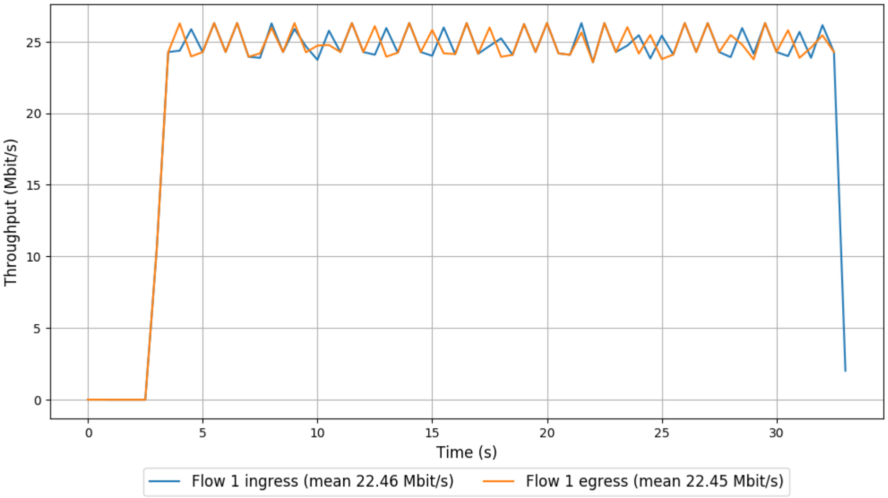
Run 9: Report of Sprout — Data Link

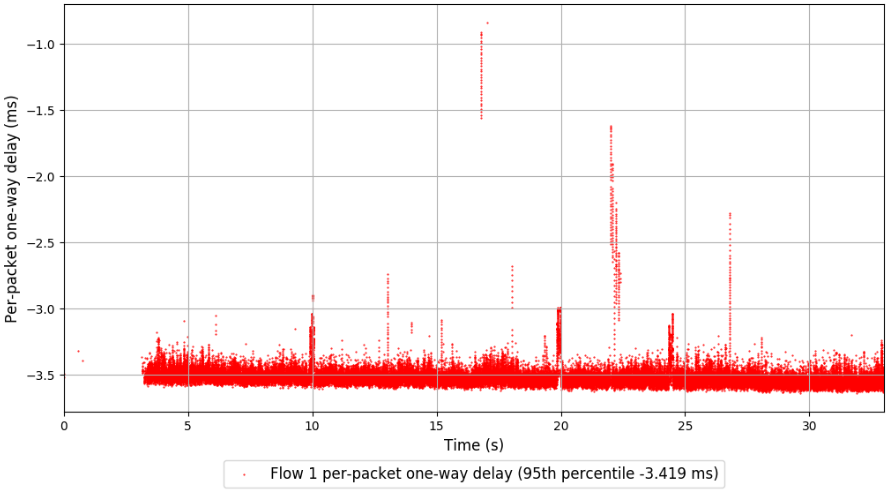




```
Run 10: Statistics of Sprout

Start at: Tue, 13 Jun 2017 14:00:23 +0000
End at: Tue, 13 Jun 2017 14:00:53 +0000
Local clock offset: 2.775 ms
Remote clock offset: -1.8 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:52:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: -3.419 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 22.45 Mbit/s
95th percentile per-packet one-way delay: -3.419 ms
Loss rate: 0.18%
```

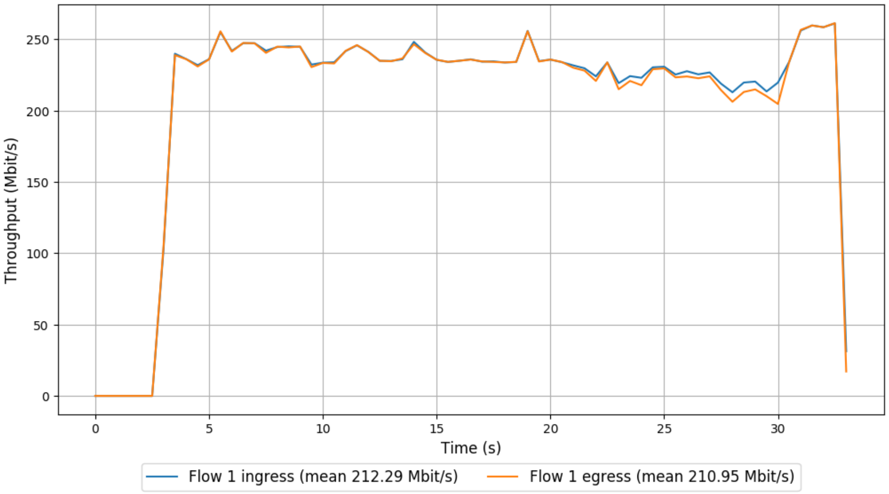
Run 10: Report of Sprout — Data Link

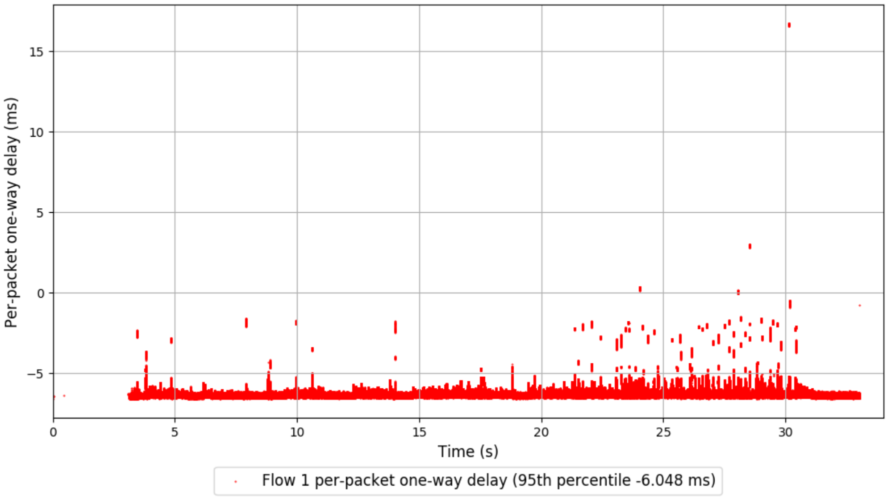




```
Run 1: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 10:58:23 +0000
End at: Tue, 13 Jun 2017 10:58:53 +0000
Local clock offset: 5.163 ms
Remote clock offset: -2.336 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:53:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.95 Mbit/s
95th percentile per-packet one-way delay: -6.048 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 210.95 Mbit/s
95th percentile per-packet one-way delay: -6.048 ms
Loss rate: 0.67%
```

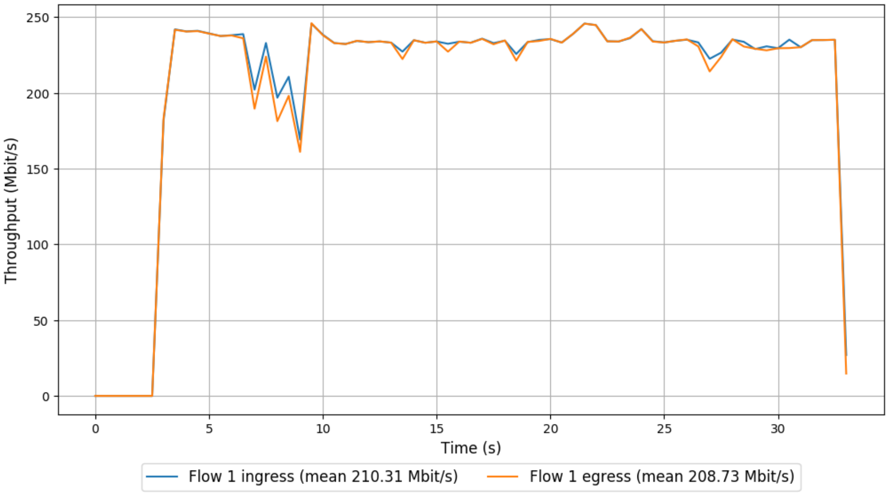
Run 1: Report of TaoVA-100x — Data Link

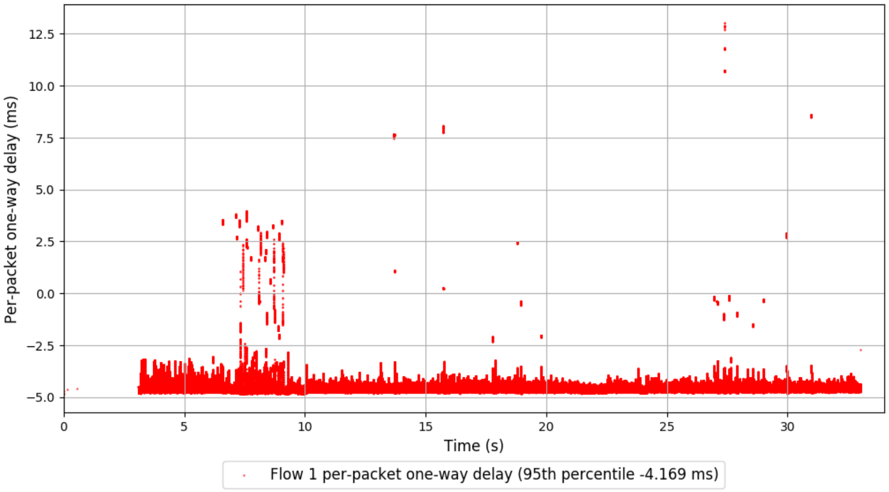




```
Run 2: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 11:19:24 +0000
End at: Tue, 13 Jun 2017 11:19:54 +0000
Local clock offset: 3.774 ms
Remote clock offset: -2.04 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:53:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.73 Mbit/s
95th percentile per-packet one-way delay: -4.169 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 208.73 Mbit/s
95th percentile per-packet one-way delay: -4.169 ms
Loss rate: 0.81%
```

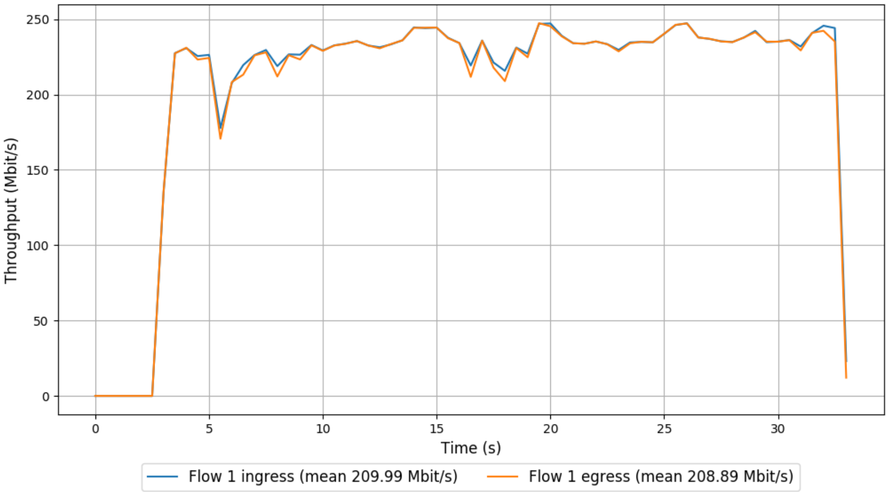
Run 2: Report of TaoVA-100x — Data Link

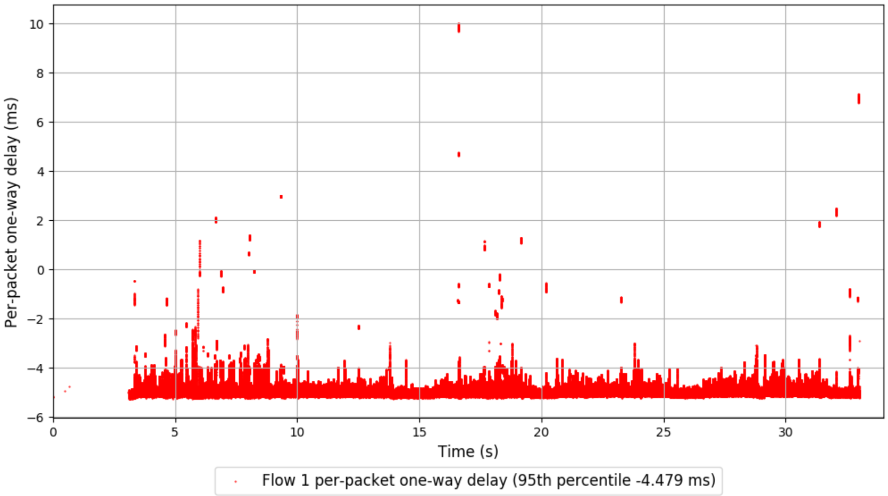




```
Run 3: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 11:40:00 +0000
End at: Tue, 13 Jun 2017 11:40:30 +0000
Local clock offset: 3.781 ms
Remote clock offset: -2.481 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:54:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.89 Mbit/s
95th percentile per-packet one-way delay: -4.479 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 208.89 Mbit/s
95th percentile per-packet one-way delay: -4.479 ms
Loss rate: 0.58%
```

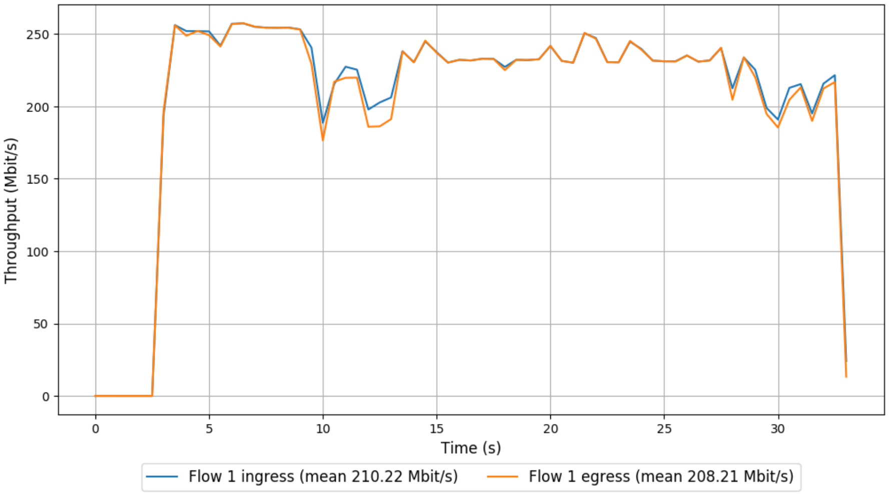
Run 3: Report of TaoVA-100x — Data Link

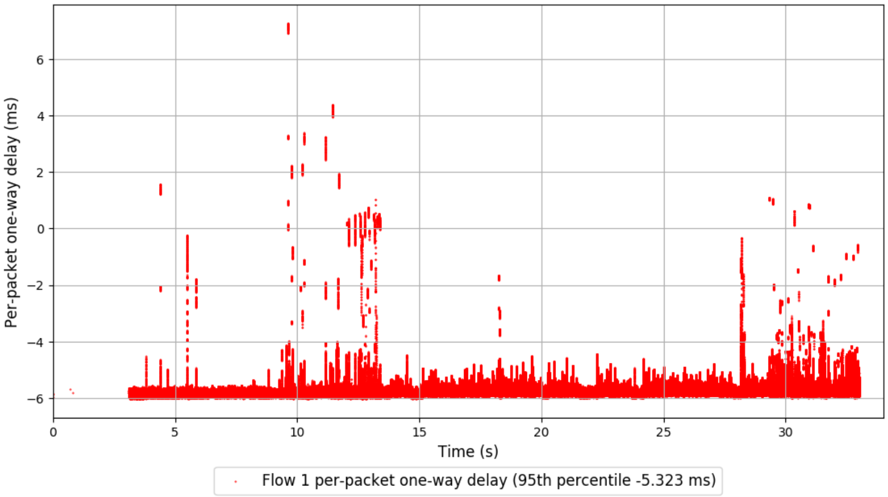




```
Run 4: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 12:00:34 +0000
End at: Tue, 13 Jun 2017 12:01:04 +0000
Local clock offset: 4.648 ms
Remote clock offset: -2.369 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:54:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.21 Mbit/s
95th percentile per-packet one-way delay: -5.323 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 208.21 Mbit/s
95th percentile per-packet one-way delay: -5.323 ms
Loss rate: 1.01%
```

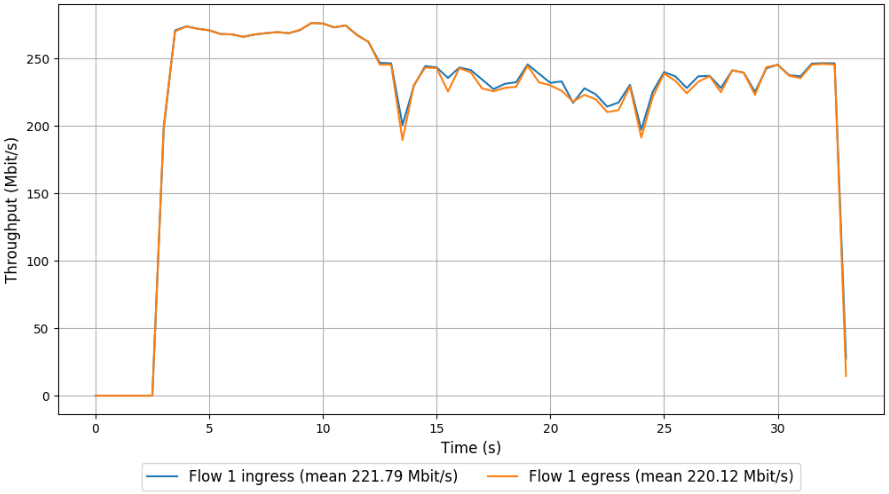
Run 4: Report of TaoVA-100x — Data Link

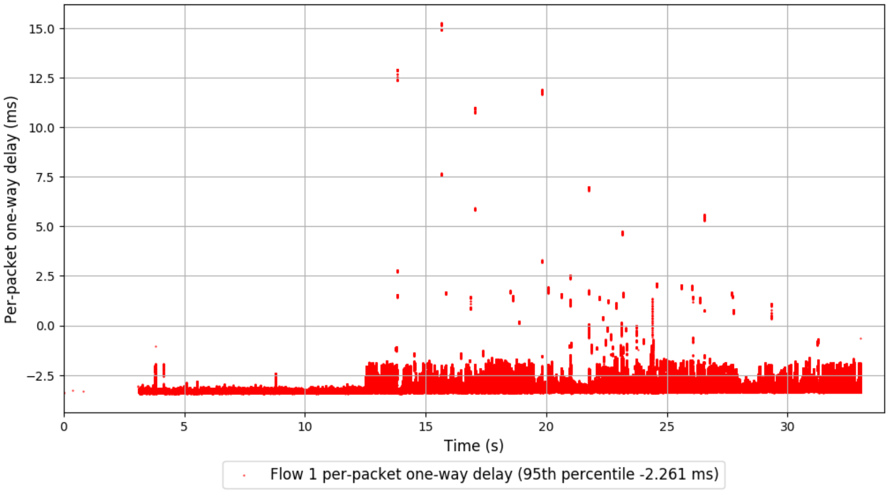




```
Run 5: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 12:21:42 +0000
End at: Tue, 13 Jun 2017 12:22:12 +0000
Local clock offset: 2.277 ms
Remote clock offset: -2.224 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:55:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.12 Mbit/s
95th percentile per-packet one-way delay: -2.261 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 220.12 Mbit/s
95th percentile per-packet one-way delay: -2.261 ms
Loss rate: 0.81%
```

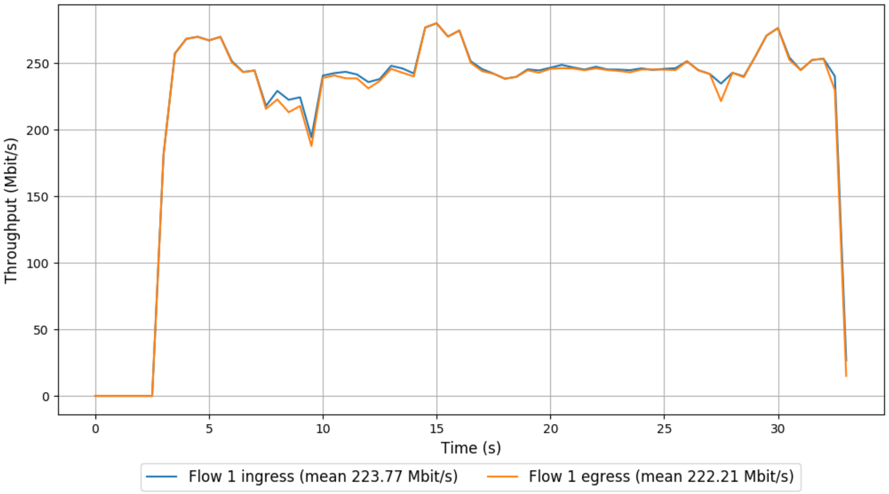
Run 5: Report of TaoVA-100x — Data Link

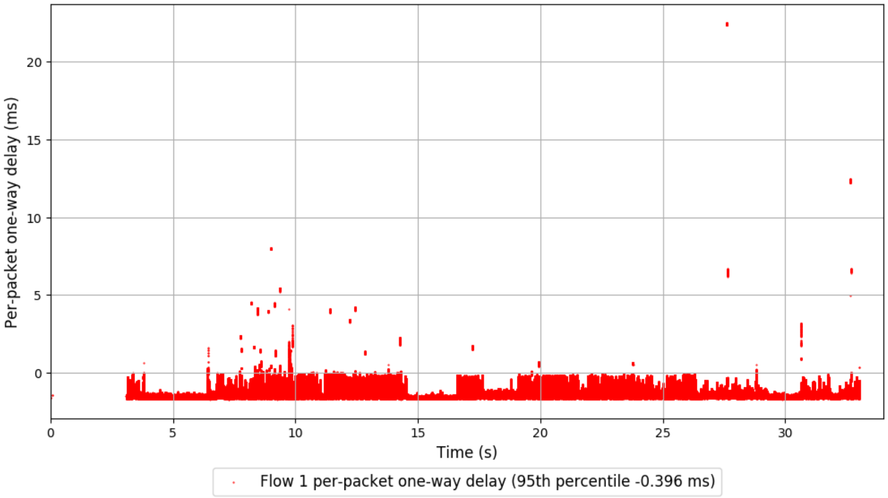




```
Run 6: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 12:42:56 +0000
End at: Tue, 13 Jun 2017 12:43:26 +0000
Local clock offset: 0.786 ms
Remote clock offset: -1.987 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:55:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.21 Mbit/s
95th percentile per-packet one-way delay: -0.396 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 222.21 Mbit/s
95th percentile per-packet one-way delay: -0.396 ms
Loss rate: 0.76%
```

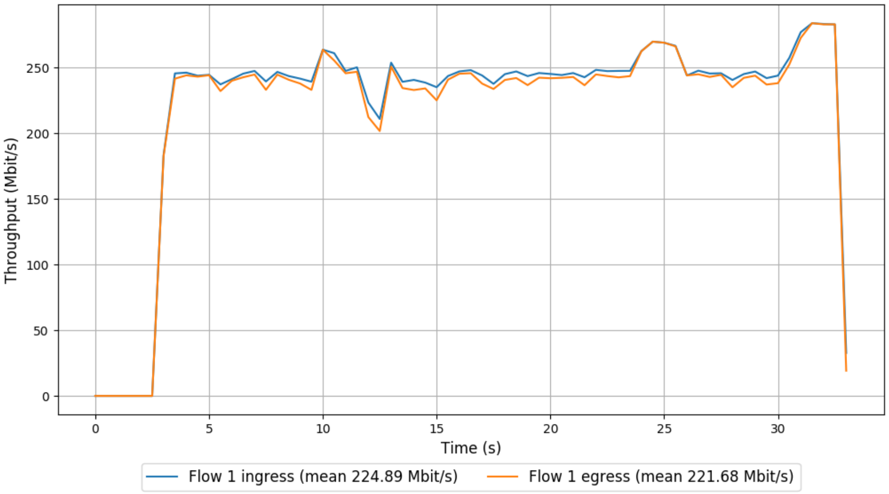
Run 6: Report of TaoVA-100x — Data Link

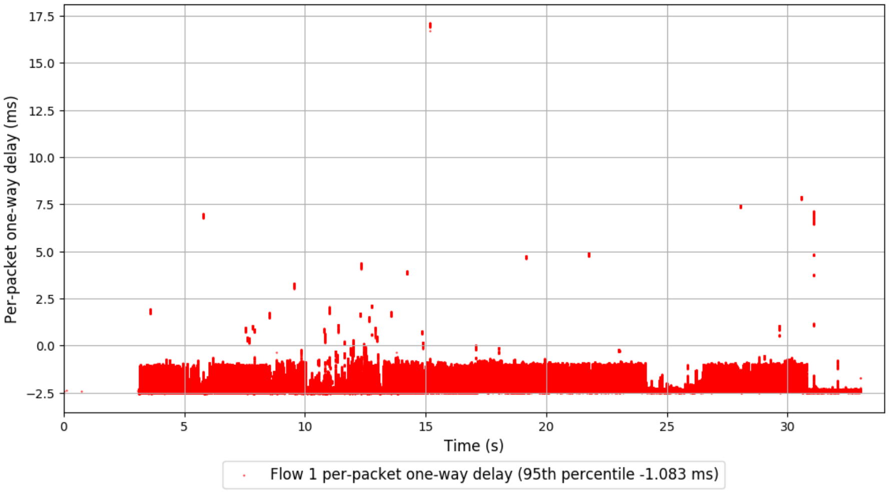




```
Run 7: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 13:03:53 +0000
End at: Tue, 13 Jun 2017 13:04:23 +0000
Local clock offset: 1.586 ms
Remote clock offset: -1.985 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:56:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.68 Mbit/s
95th percentile per-packet one-way delay: -1.083 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 221.68 Mbit/s
95th percentile per-packet one-way delay: -1.083 ms
Loss rate: 1.49%
```

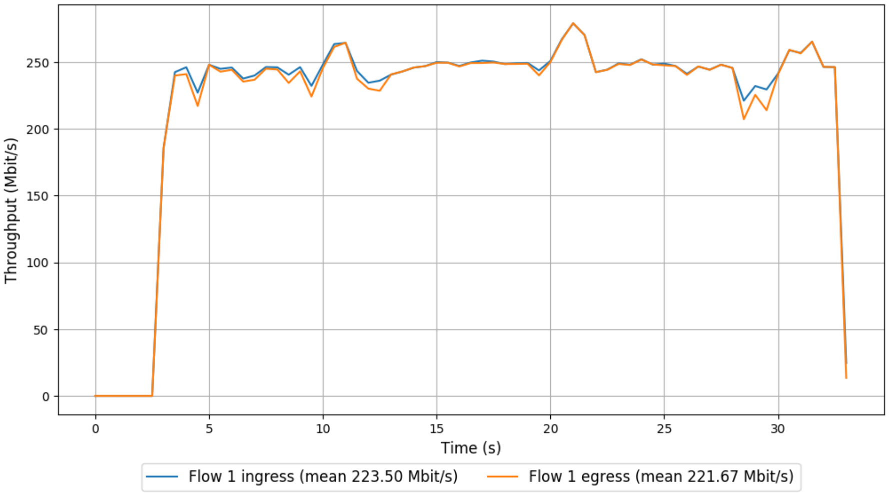
Run 7: Report of TaoVA-100x — Data Link

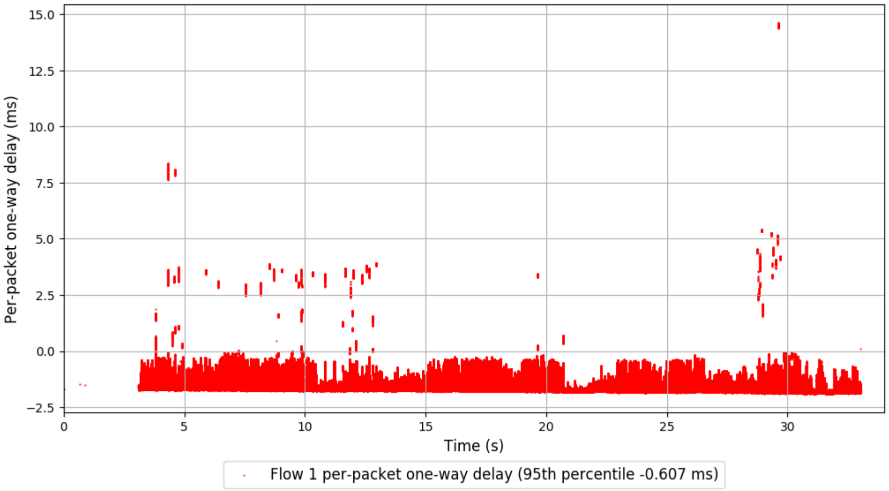




```
Run 8: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 13:25:12 +0000
End at: Tue, 13 Jun 2017 13:25:42 +0000
Local clock offset: 0.877 ms
Remote clock offset: -1.808 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:56:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.67 Mbit/s
95th percentile per-packet one-way delay: -0.607 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 221.67 Mbit/s
95th percentile per-packet one-way delay: -0.607 ms
Loss rate: 0.88%
```

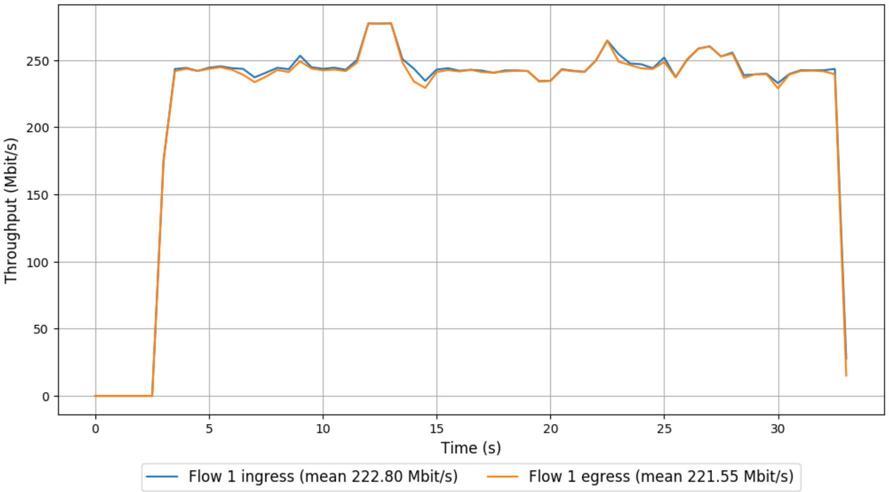
Run 8: Report of TaoVA-100x — Data Link

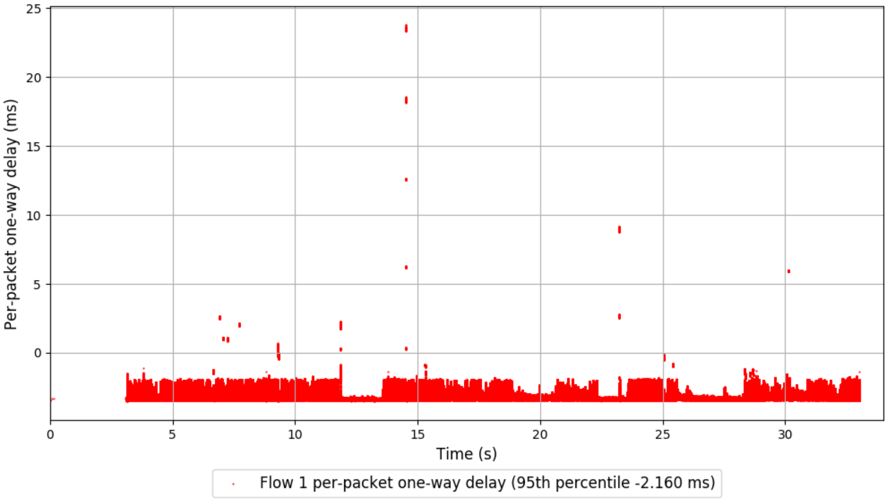




```
Run 9: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 13:46:27 +0000
End at: Tue, 13 Jun 2017 13:46:58 +0000
Local clock offset: 2.63 ms
Remote clock offset: -1.855 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:57:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.55 Mbit/s
95th percentile per-packet one-way delay: -2.160 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 221.55 Mbit/s
95th percentile per-packet one-way delay: -2.160 ms
Loss rate: 0.62%
```

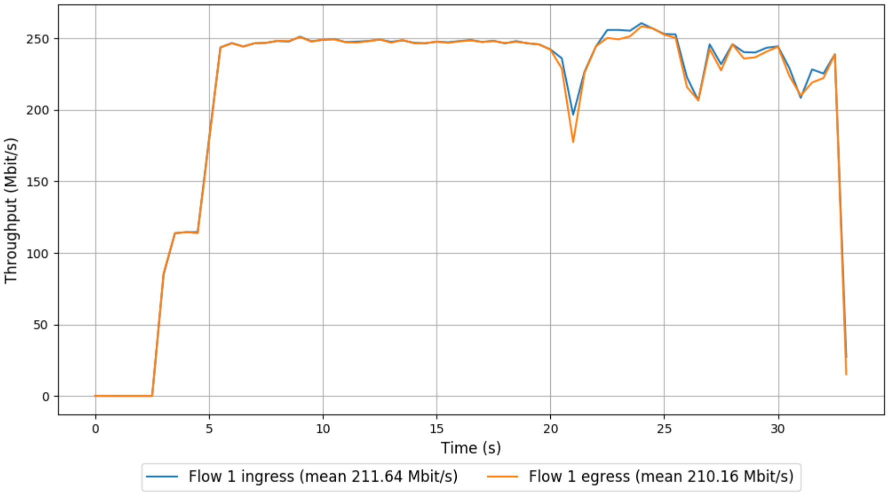
Run 9: Report of TaoVA-100x — Data Link

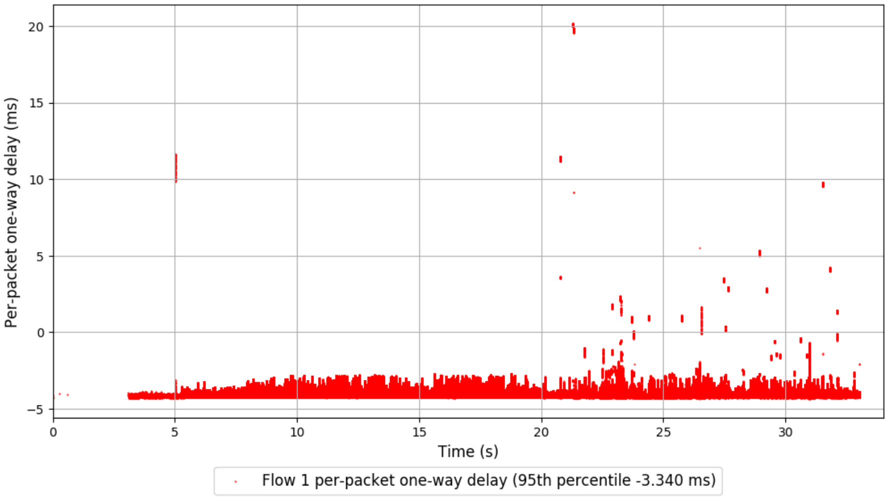




```
Run 10: Statistics of TaoVA-100x

Start at: Tue, 13 Jun 2017 14:07:42 +0000
End at: Tue, 13 Jun 2017 14:08:12 +0000
Local clock offset: 3.141 ms
Remote clock offset: -2.037 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:57:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.16 Mbit/s
95th percentile per-packet one-way delay: -3.340 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 210.16 Mbit/s
95th percentile per-packet one-way delay: -3.340 ms
Loss rate: 0.76%
```

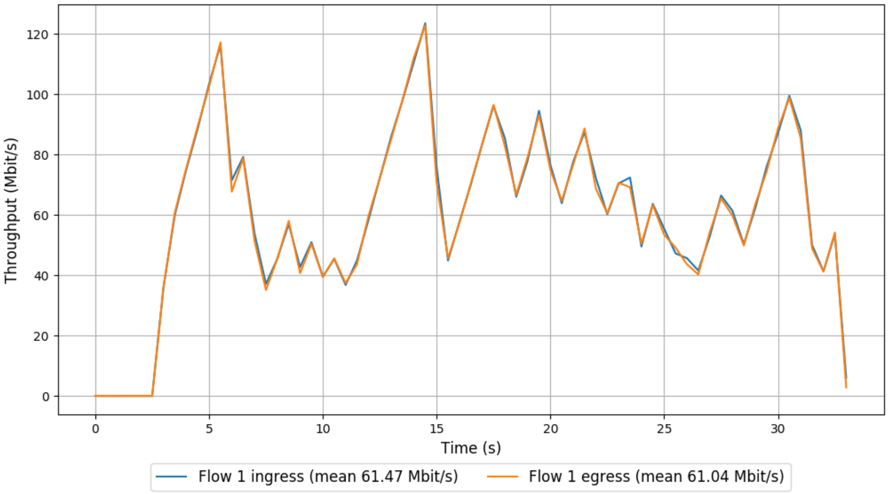
Run 10: Report of TaoVA-100x — Data Link

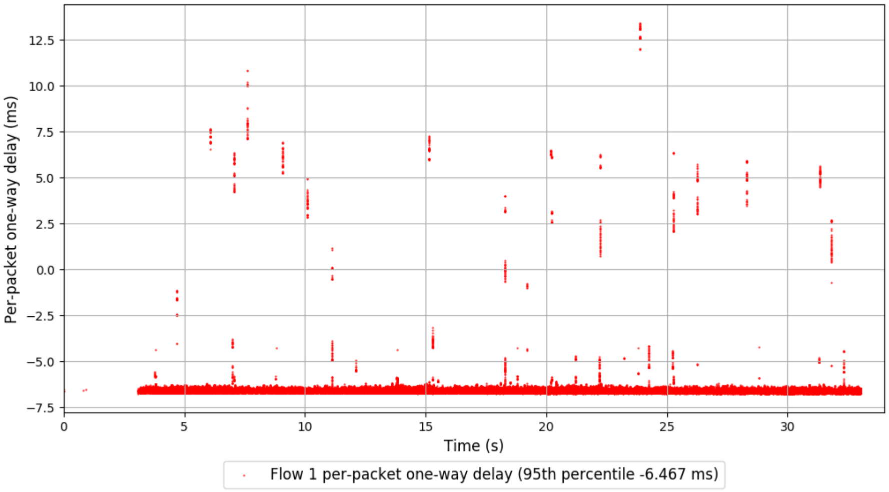




```
Run 1: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 10:47:16 +0000
End at: Tue, 13 Jun 2017 10:47:46 +0000
Local clock offset: 5.361 ms
Remote clock offset: -2.412 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:57:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: -6.467 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 61.04 Mbit/s
95th percentile per-packet one-way delay: -6.467 ms
Loss rate: 0.76%
```

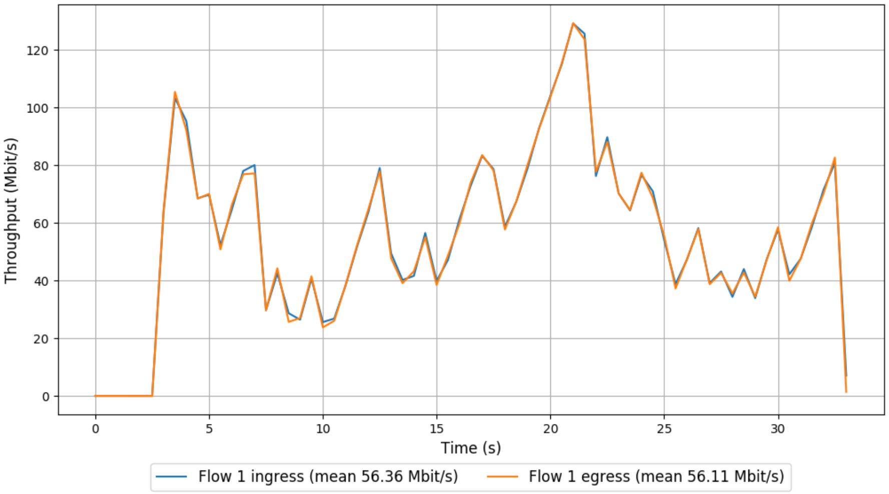
Run 1: Report of TCP Vegas — Data Link

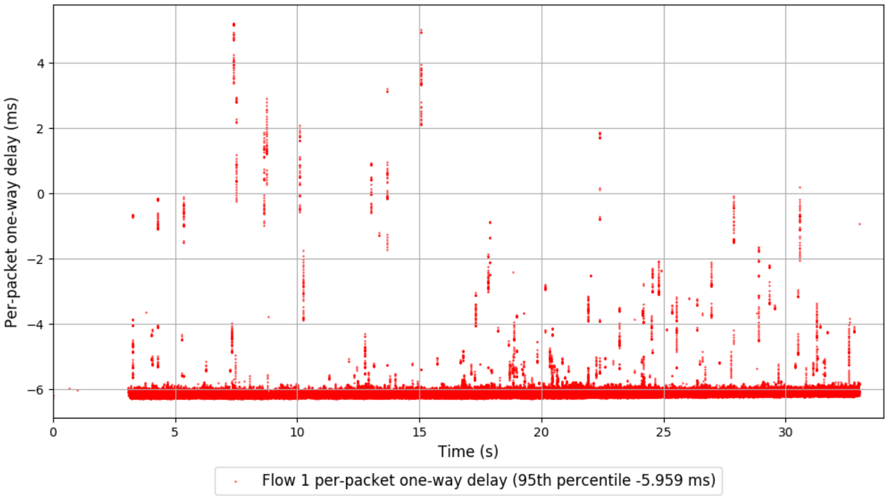




```
Run 2: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 11:08:19 +0000
End at: Tue, 13 Jun 2017 11:08:49 +0000
Local clock offset: 5.153 ms
Remote clock offset: -2.117 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:57:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: -5.959 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 56.11 Mbit/s
95th percentile per-packet one-way delay: -5.959 ms
Loss rate: 0.49%
```

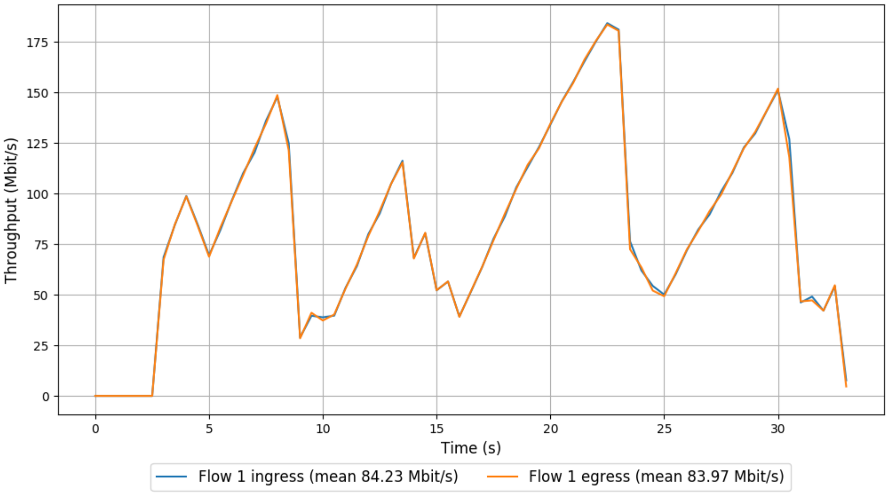
Run 2: Report of TCP Vegas — Data Link

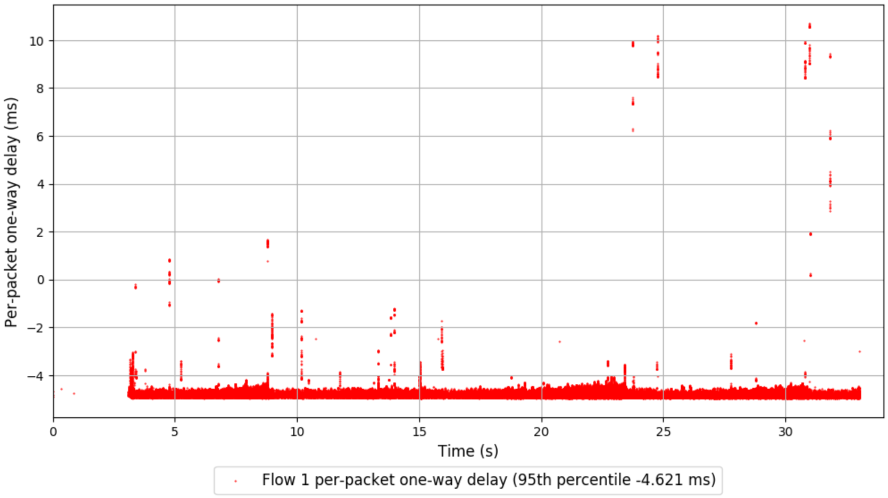




```
Run 3: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 11:29:21 +0000
End at: Tue, 13 Jun 2017 11:29:51 +0000
Local clock offset: 3.67 ms
Remote clock offset: -2.198 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:57:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: -4.621 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 83.97 Mbit/s
95th percentile per-packet one-way delay: -4.621 ms
Loss rate: 0.37%
```

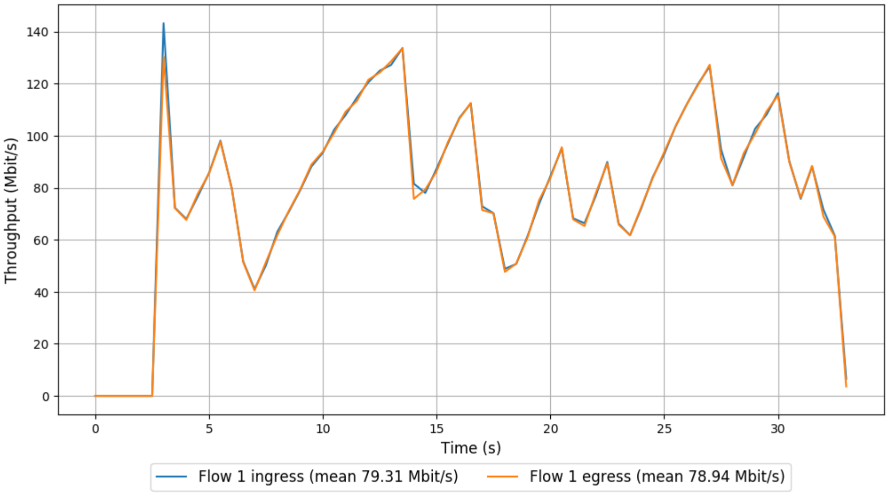
Run 3: Report of TCP Vegas — Data Link

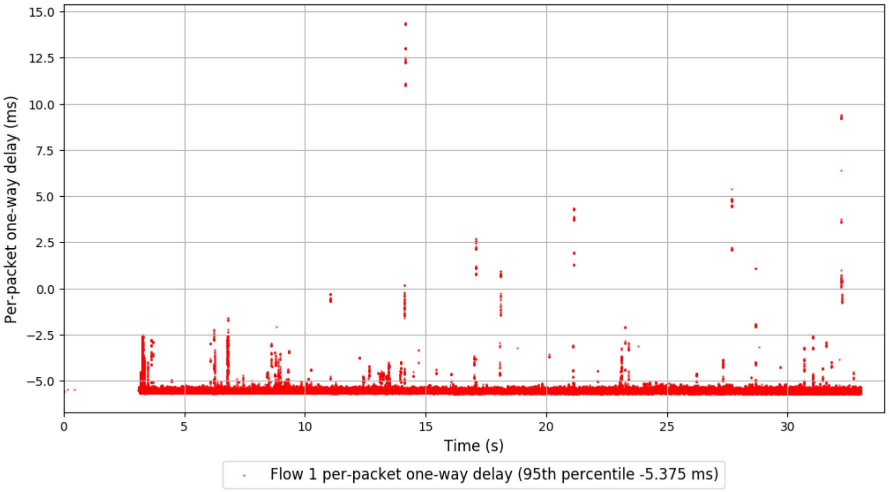




```
Run 4: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 11:49:56 +0000
End at: Tue, 13 Jun 2017 11:50:26 +0000
Local clock offset: 4.246 ms
Remote clock offset: -2.445 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:57:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: -5.375 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 78.94 Mbit/s
95th percentile per-packet one-way delay: -5.375 ms
Loss rate: 0.53%
```

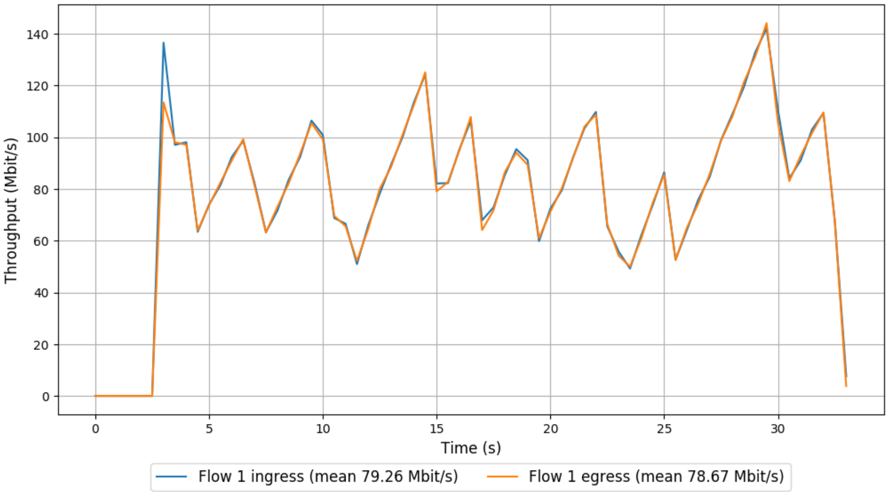
Run 4: Report of TCP Vegas — Data Link

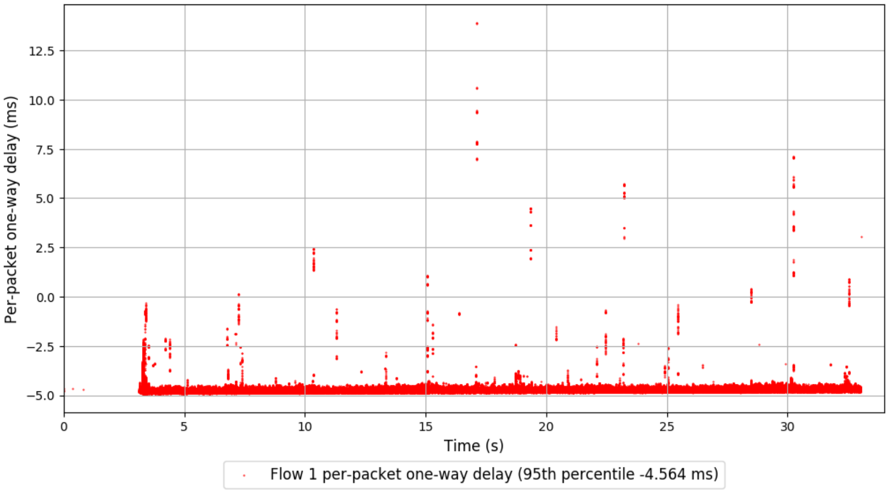




```
Run 5: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 12:10:30 +0000
End at: Tue, 13 Jun 2017 12:11:00 +0000
Local clock offset: 3.752 ms
Remote clock offset: -2.211 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:57:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.67 Mbit/s
95th percentile per-packet one-way delay: -4.564 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 78.67 Mbit/s
95th percentile per-packet one-way delay: -4.564 ms
Loss rate: 0.79%
```

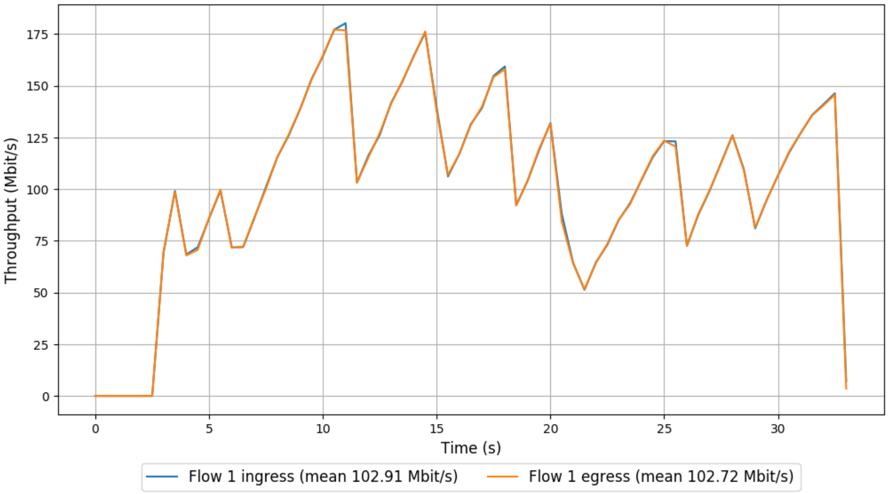
Run 5: Report of TCP Vegas — Data Link

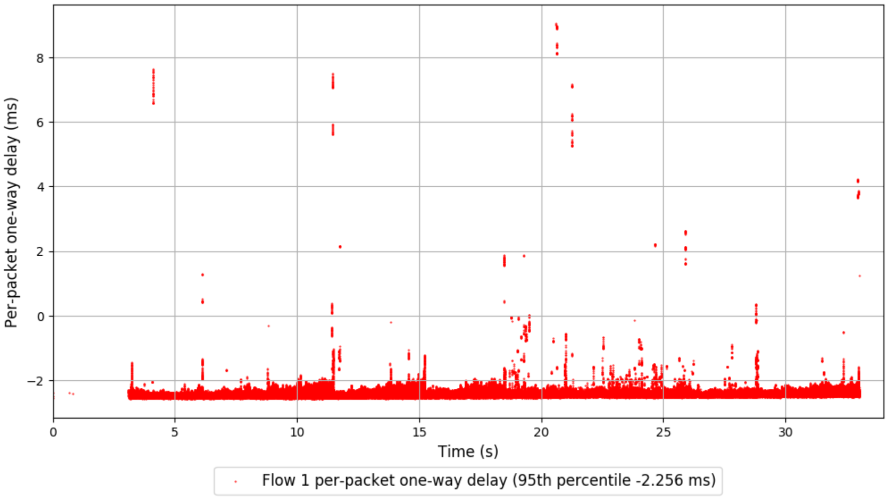




```
Run 6: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 12:31:42 +0000
End at: Tue, 13 Jun 2017 12:32:12 +0000
Local clock offset: 1.502 ms
Remote clock offset: -2.003 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:57:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.72 Mbit/s
95th percentile per-packet one-way delay: -2.256 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 102.72 Mbit/s
95th percentile per-packet one-way delay: -2.256 ms
Loss rate: 0.24%
```

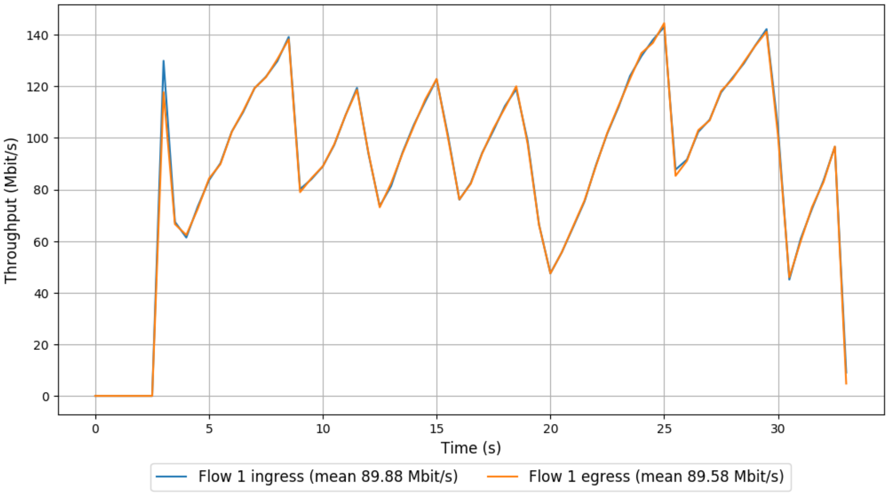
Run 6: Report of TCP Vegas — Data Link

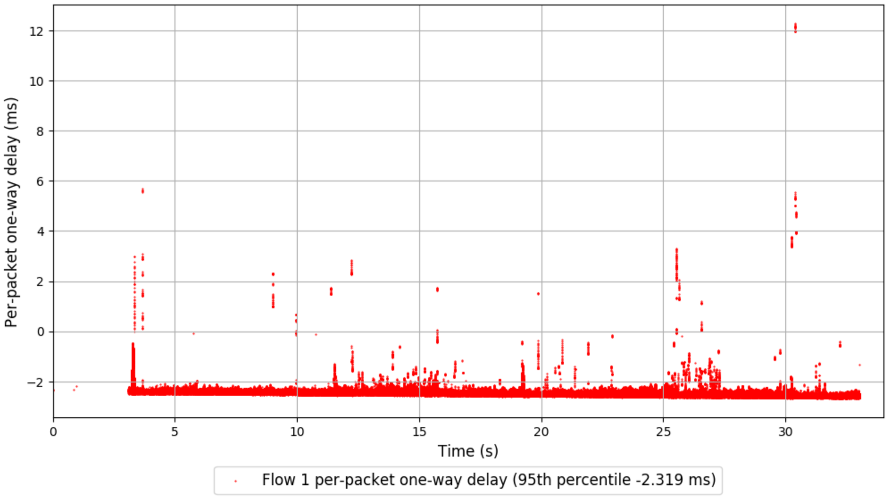




```
Run 7: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 12:52:51 +0000
End at: Tue, 13 Jun 2017 12:53:21 +0000
Local clock offset: 1.355 ms
Remote clock offset: -1.937 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:57:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: -2.319 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: -2.319 ms
Loss rate: 0.39%
```

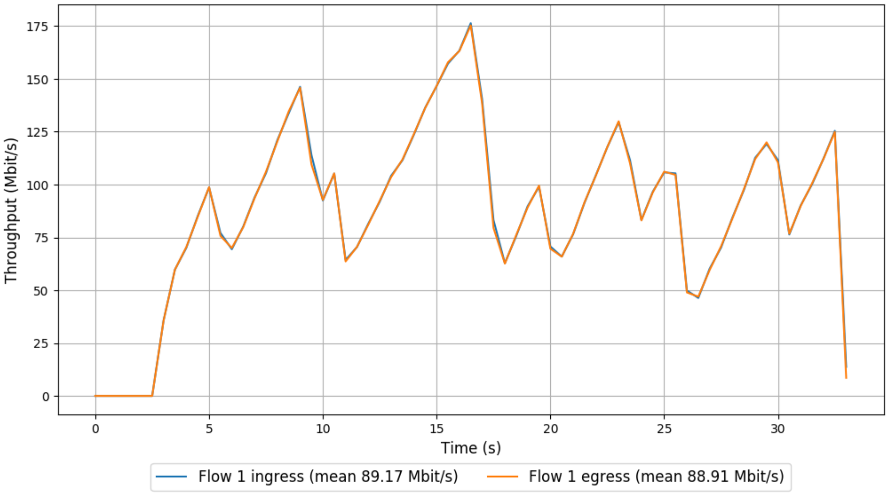
Run 7: Report of TCP Vegas — Data Link

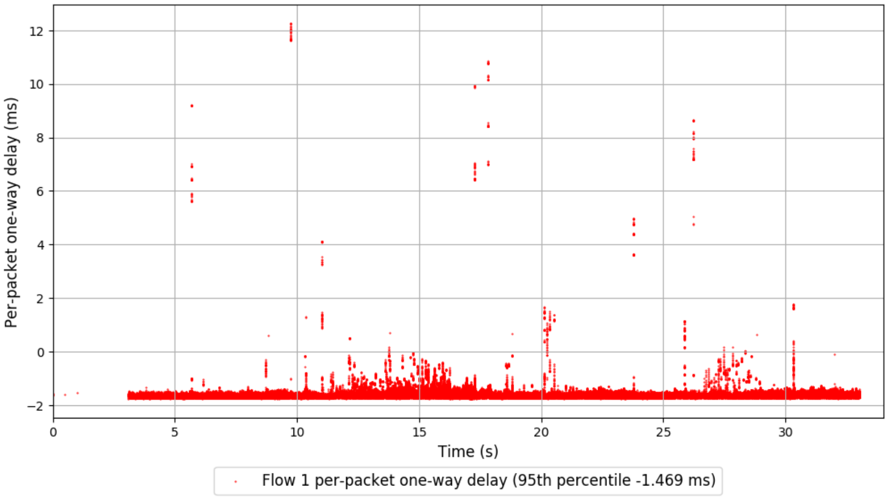




```
Run 8: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 13:13:52 +0000
End at: Tue, 13 Jun 2017 13:14:22 +0000
Local clock offset: 0.979 ms
Remote clock offset: -1.876 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:57:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: -1.469 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: -1.469 ms
Loss rate: 0.35%
```

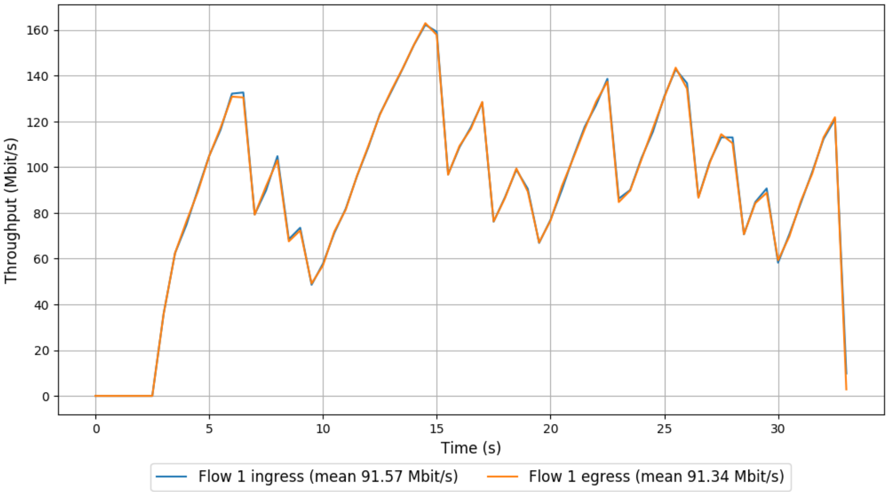
Run 8: Report of TCP Vegas — Data Link

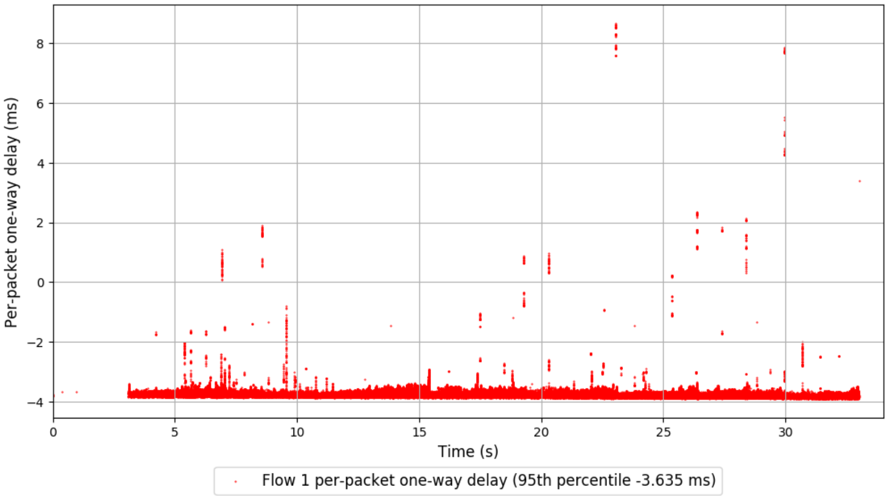




```
Run 9: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 13:35:09 +0000
End at: Tue, 13 Jun 2017 13:35:39 +0000
Local clock offset: 2.815 ms
Remote clock offset: -1.892 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:58:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: -3.635 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: -3.635 ms
Loss rate: 0.28%
```

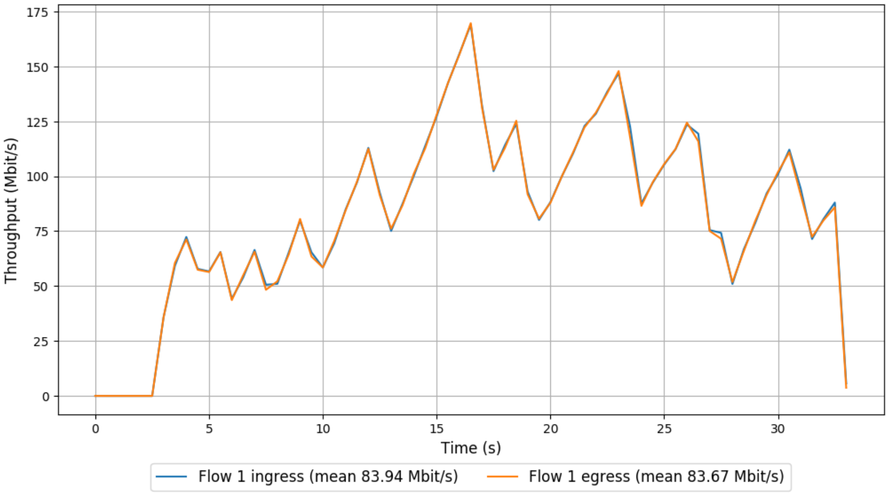
Run 9: Report of TCP Vegas — Data Link

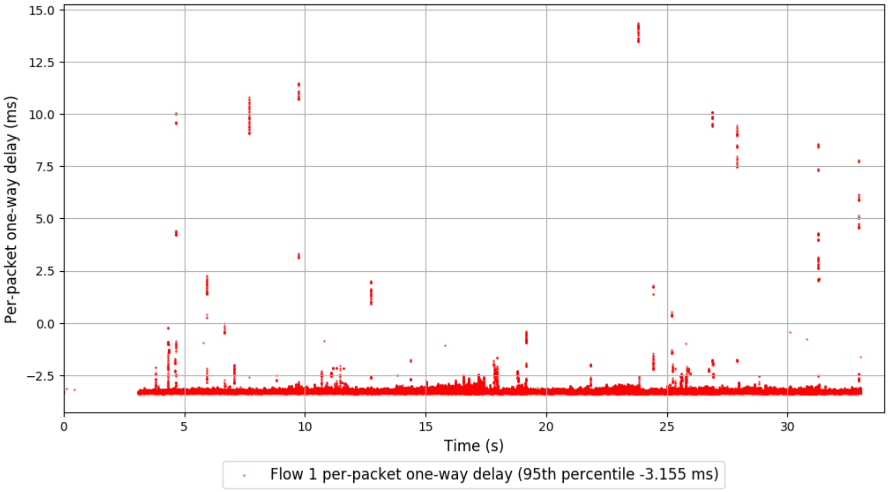




```
Run 10: Statistics of TCP Vegas

Start at: Tue, 13 Jun 2017 13:56:19 +0000
End at: Tue, 13 Jun 2017 13:56:49 +0000
Local clock offset: 2.611 ms
Remote clock offset: -1.777 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:58:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: -3.155 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 83.67 Mbit/s
95th percentile per-packet one-way delay: -3.155 ms
Loss rate: 0.38%
```

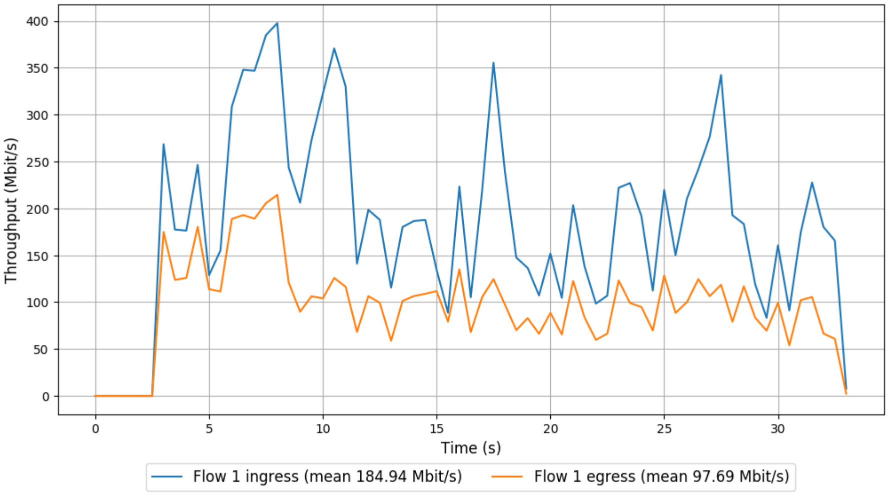
Run 10: Report of TCP Vegas — Data Link

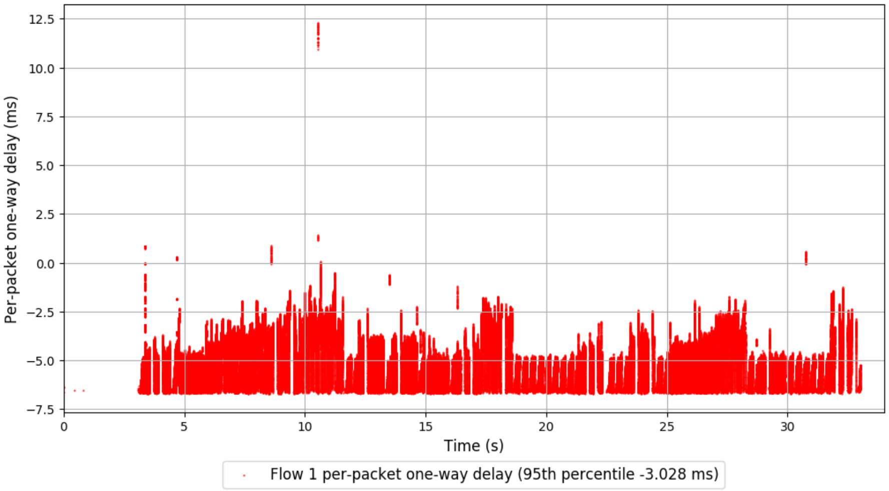




```
Run 1: Statistics of Verus

Start at: Tue, 13 Jun 2017 10:54:17 +0000
End at: Tue, 13 Jun 2017 10:54:47 +0000
Local clock offset: 5.326 ms
Remote clock offset: -2.379 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:58:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.69 Mbit/s
95th percentile per-packet one-way delay: -3.028 ms
Loss rate: 47.18%
-- Flow 1:
Average throughput: 97.69 Mbit/s
95th percentile per-packet one-way delay: -3.028 ms
Loss rate: 47.18%
```

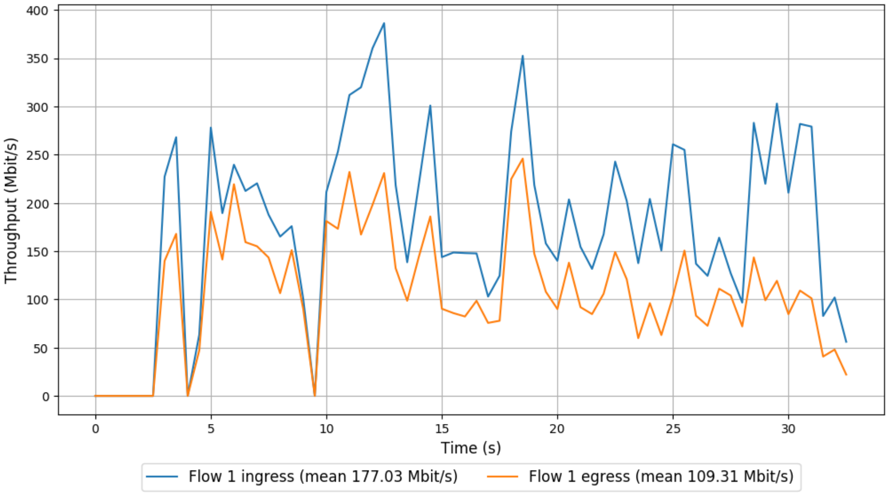
Run 1: Report of Verus — Data Link

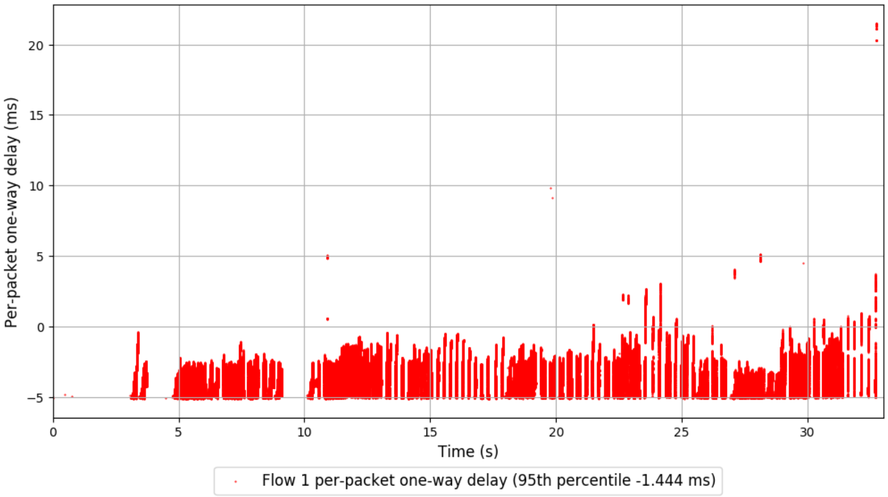




```
Run 2: Statistics of Verus

Start at: Tue, 13 Jun 2017 11:15:19 +0000
End at: Tue, 13 Jun 2017 11:15:49 +0000
Local clock offset: 4.023 ms
Remote clock offset: -2.088 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:58:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.31 Mbit/s
95th percentile per-packet one-way delay: -1.444 ms
Loss rate: 38.22%
-- Flow 1:
Average throughput: 109.31 Mbit/s
95th percentile per-packet one-way delay: -1.444 ms
Loss rate: 38.22%
```

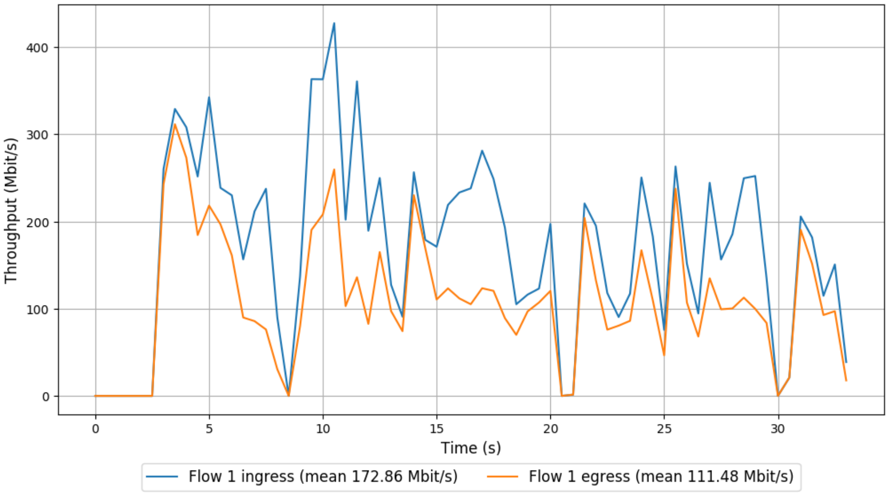
Run 2: Report of Verus — Data Link

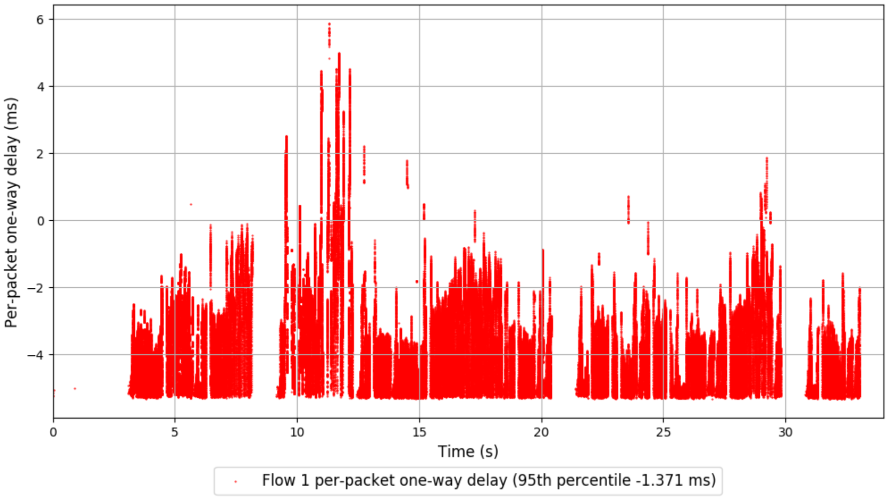




```
Run 3: Statistics of Verus

Start at: Tue, 13 Jun 2017 11:35:53 +0000
End at: Tue, 13 Jun 2017 11:36:23 +0000
Local clock offset: 3.959 ms
Remote clock offset: -2.385 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:58:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.48 Mbit/s
95th percentile per-packet one-way delay: -1.371 ms
Loss rate: 35.55%
-- Flow 1:
Average throughput: 111.48 Mbit/s
95th percentile per-packet one-way delay: -1.371 ms
Loss rate: 35.55%
```

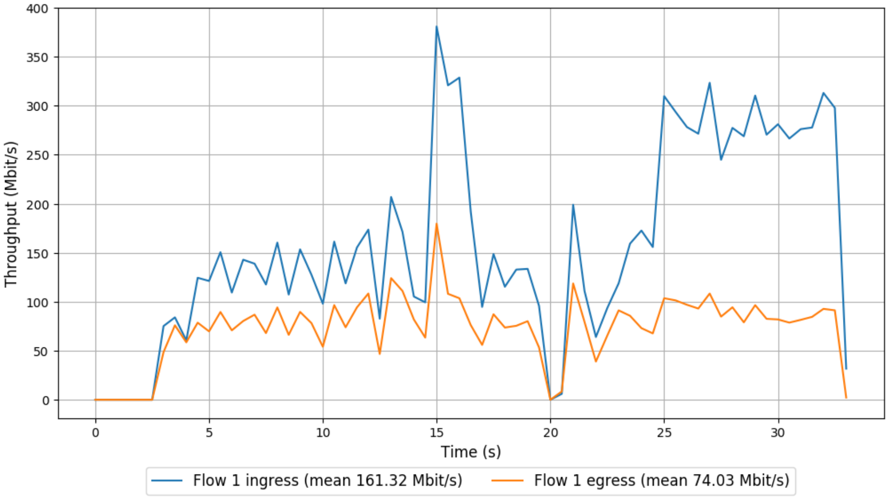
Run 3: Report of Verus — Data Link

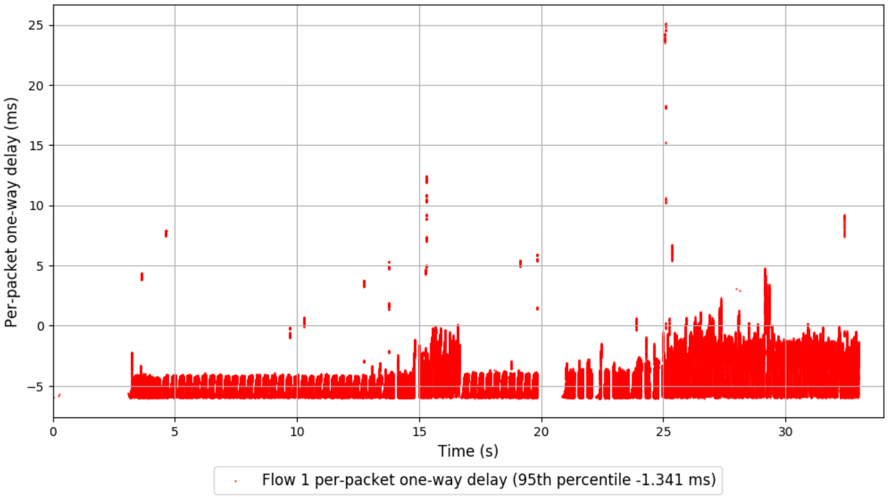




```
Run 4: Statistics of Verus

Start at: Tue, 13 Jun 2017 11:56:30 +0000
End at: Tue, 13 Jun 2017 11:57:00 +0000
Local clock offset: 4.653 ms
Remote clock offset: -2.409 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:58:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: -1.341 ms
Loss rate: 54.18%
-- Flow 1:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: -1.341 ms
Loss rate: 54.18%
```

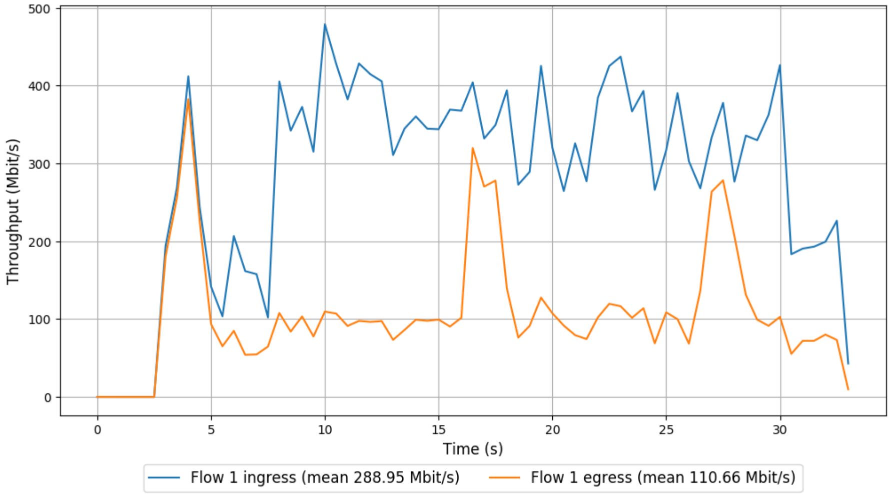
Run 4: Report of Verus — Data Link

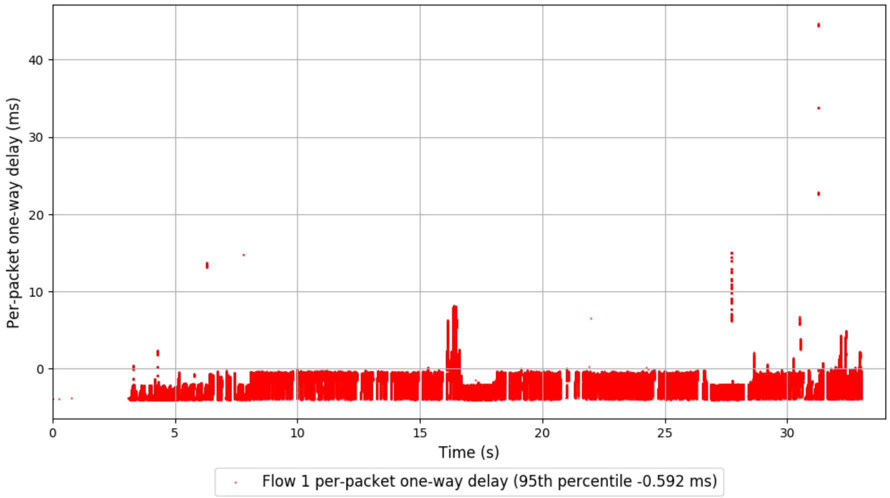




```
Run 5: Statistics of Verus

Start at: Tue, 13 Jun 2017 12:17:32 +0000
End at: Tue, 13 Jun 2017 12:18:02 +0000
Local clock offset: 2.836 ms
Remote clock offset: -2.203 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.66 Mbit/s
95th percentile per-packet one-way delay: -0.592 ms
Loss rate: 61.72%
-- Flow 1:
Average throughput: 110.66 Mbit/s
95th percentile per-packet one-way delay: -0.592 ms
Loss rate: 61.72%
```

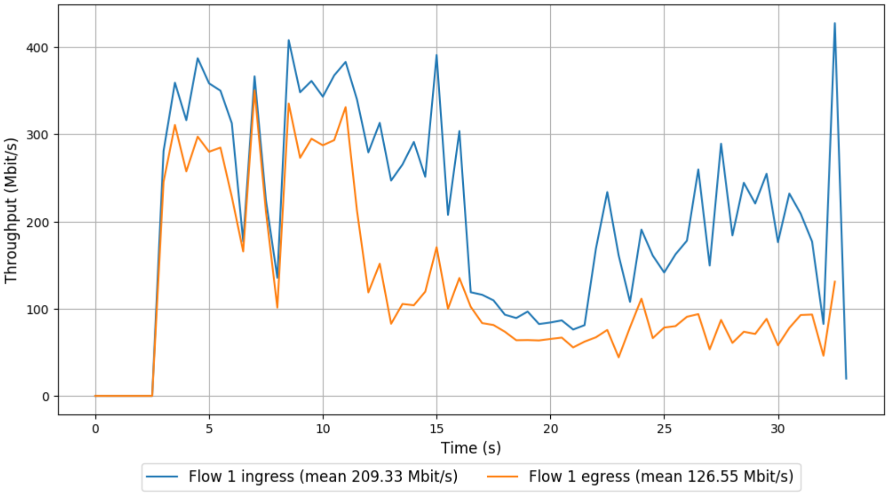
Run 5: Report of Verus — Data Link

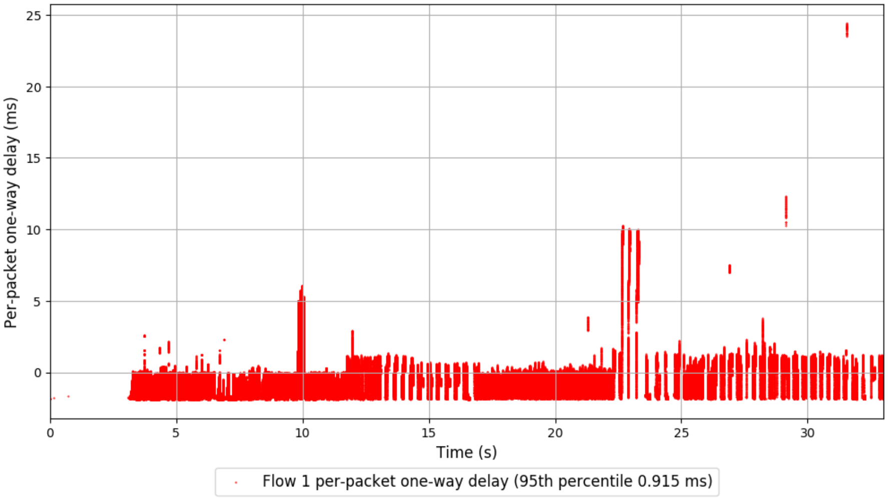




```
Run 6: Statistics of Verus

Start at: Tue, 13 Jun 2017 12:38:46 +0000
End at: Tue, 13 Jun 2017 12:39:16 +0000
Local clock offset: 0.964 ms
Remote clock offset: -1.982 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.55 Mbit/s
95th percentile per-packet one-way delay: 0.915 ms
Loss rate: 39.64%
-- Flow 1:
Average throughput: 126.55 Mbit/s
95th percentile per-packet one-way delay: 0.915 ms
Loss rate: 39.64%
```

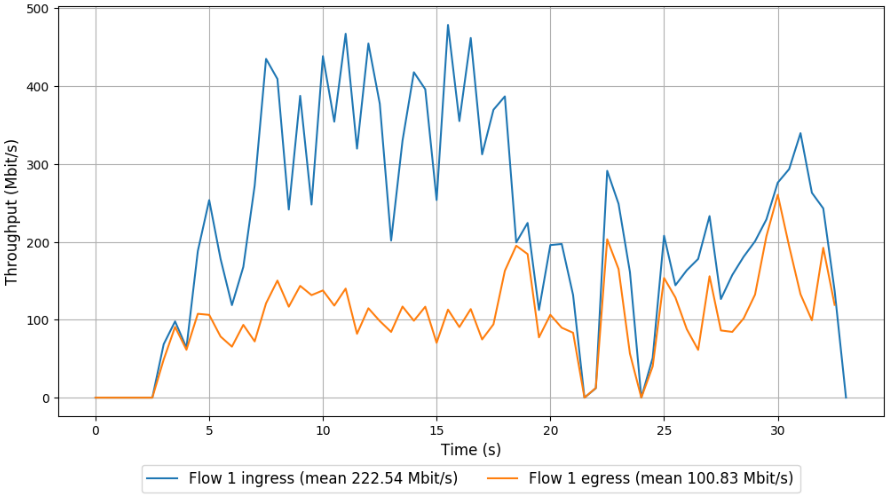
Run 6: Report of Verus — Data Link

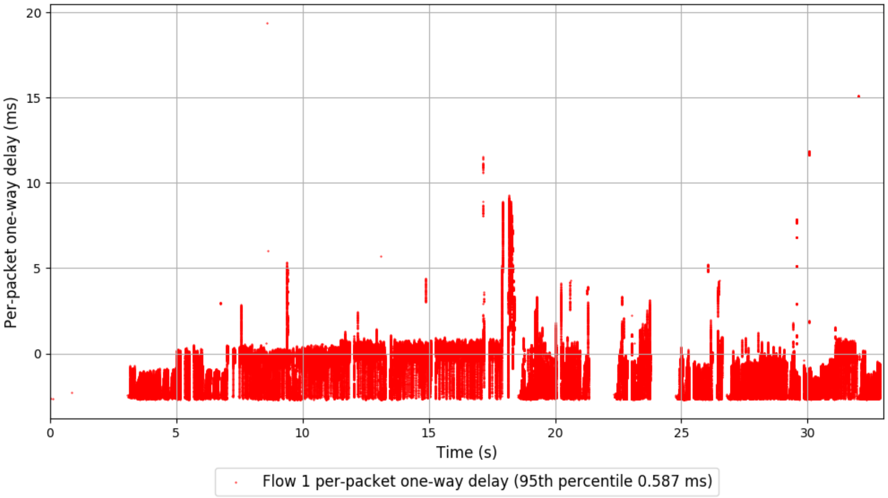




```
Run 7: Statistics of Verus

Start at: Tue, 13 Jun 2017 12:59:45 +0000
End at: Tue, 13 Jun 2017 13:00:15 +0000
Local clock offset: 1.631 ms
Remote clock offset: -1.99 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 100.83 Mbit/s
95th percentile per-packet one-way delay: 0.587 ms
Loss rate: 54.93%
-- Flow 1:
Average throughput: 100.83 Mbit/s
95th percentile per-packet one-way delay: 0.587 ms
Loss rate: 54.93%
```

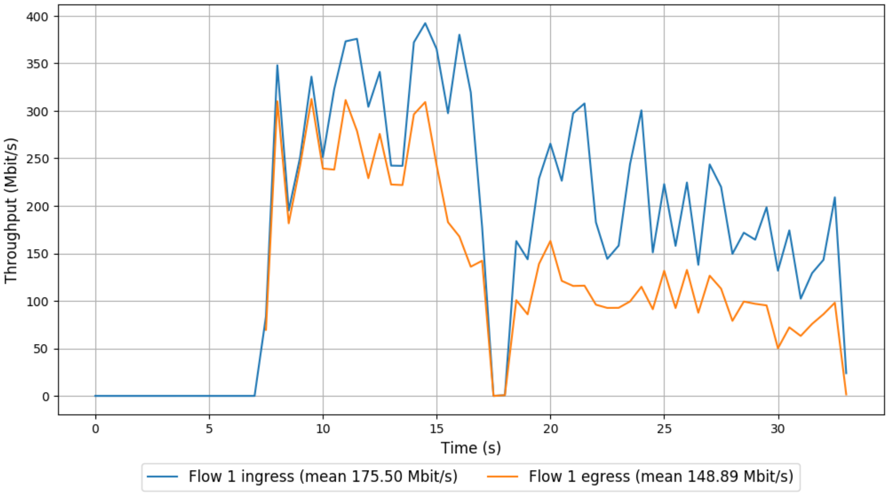
Run 7: Report of Verus — Data Link

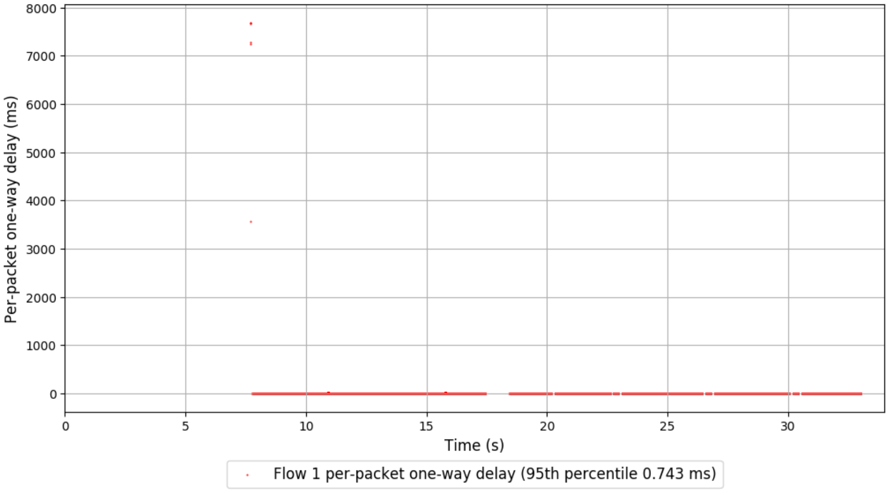




```
Run 8: Statistics of Verus

Start at: Tue, 13 Jun 2017 13:21:01 +0000
End at: Tue, 13 Jun 2017 13:21:31 +0000
Local clock offset: 0.924 ms
Remote clock offset: -1.8 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.89 Mbit/s
95th percentile per-packet one-way delay: 0.743 ms
Loss rate: 34.94%
-- Flow 1:
Average throughput: 148.89 Mbit/s
95th percentile per-packet one-way delay: 0.743 ms
Loss rate: 34.94%
```

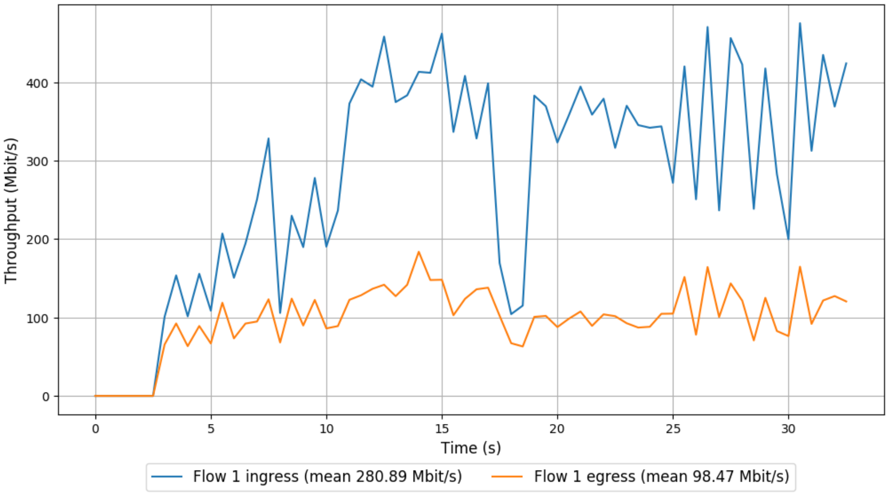
Run 8: Report of Verus — Data Link

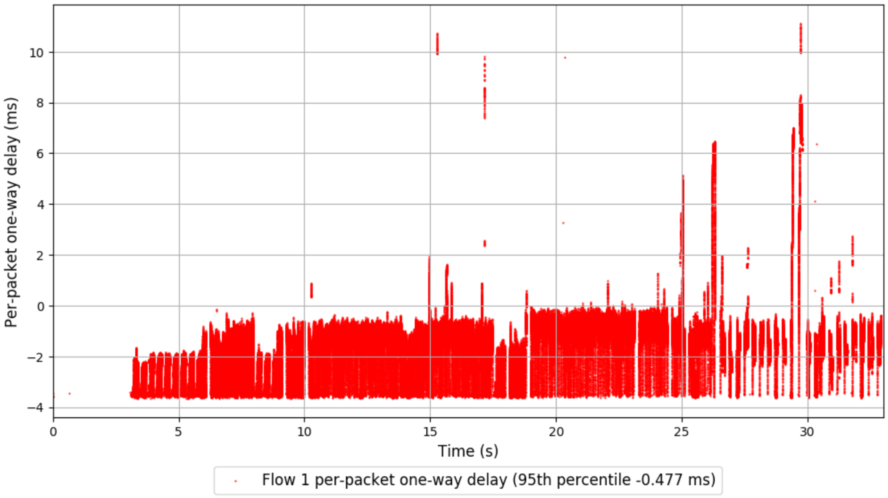




```
Run 9: Statistics of Verus

Start at: Tue, 13 Jun 2017 13:42:18 +0000
End at: Tue, 13 Jun 2017 13:42:48 +0000
Local clock offset: 2.869 ms
Remote clock offset: -1.837 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.47 Mbit/s
95th percentile per-packet one-way delay: -0.477 ms
Loss rate: 64.94%
-- Flow 1:
Average throughput: 98.47 Mbit/s
95th percentile per-packet one-way delay: -0.477 ms
Loss rate: 64.94%
```

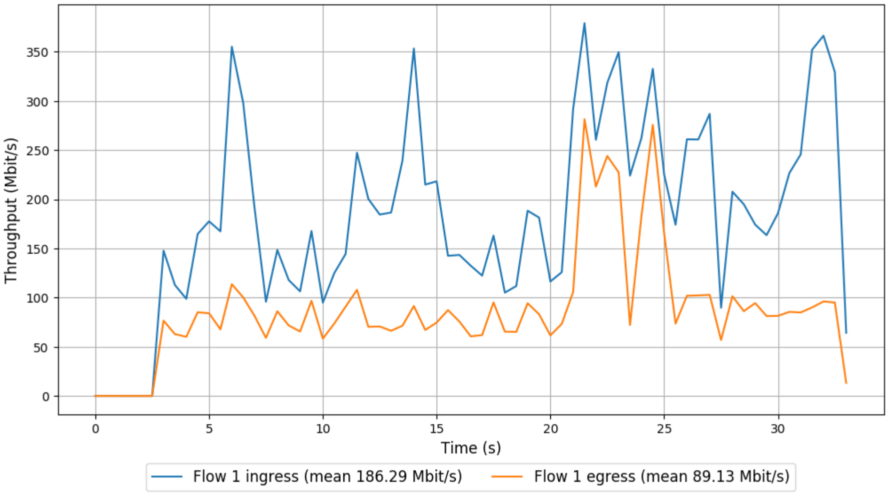
Run 9: Report of Verus — Data Link

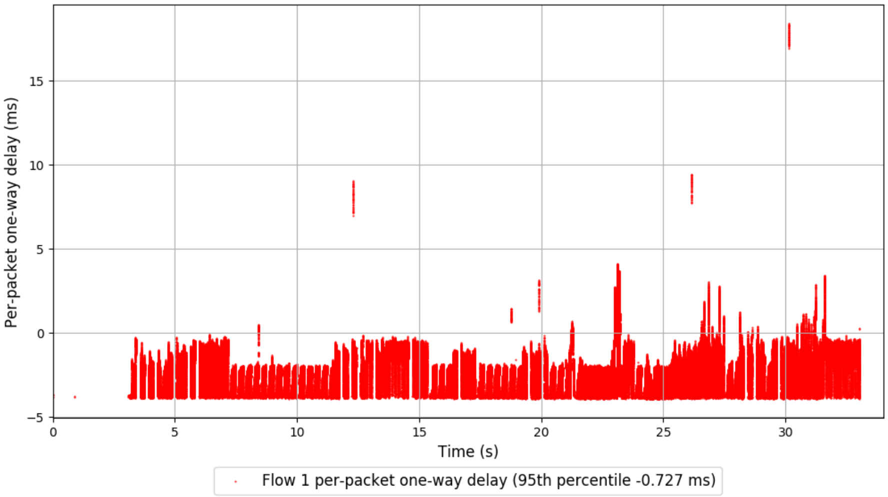




```
Run 10: Statistics of Verus

Start at: Tue, 13 Jun 2017 14:03:37 +0000
End at: Tue, 13 Jun 2017 14:04:07 +0000
Local clock offset: 2.926 ms
Remote clock offset: -1.927 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: -0.727 ms
Loss rate: 52.18%
-- Flow 1:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: -0.727 ms
Loss rate: 52.18%
```

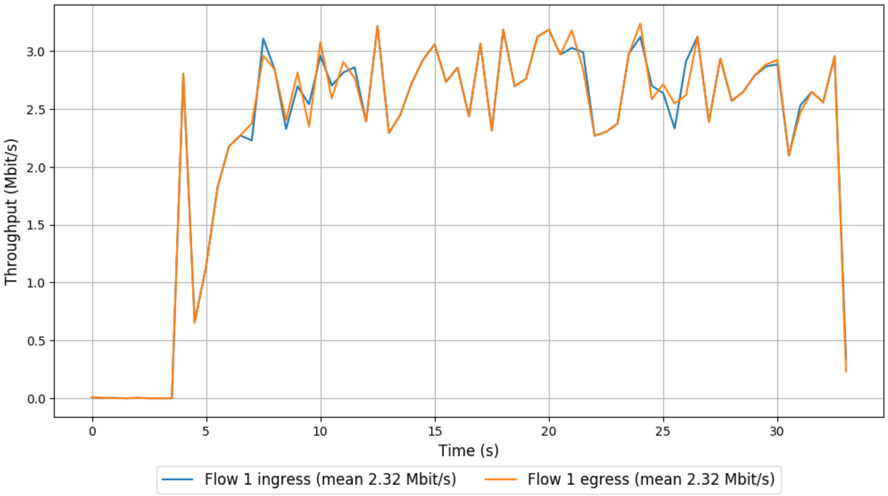
Run 10: Report of Verus — Data Link

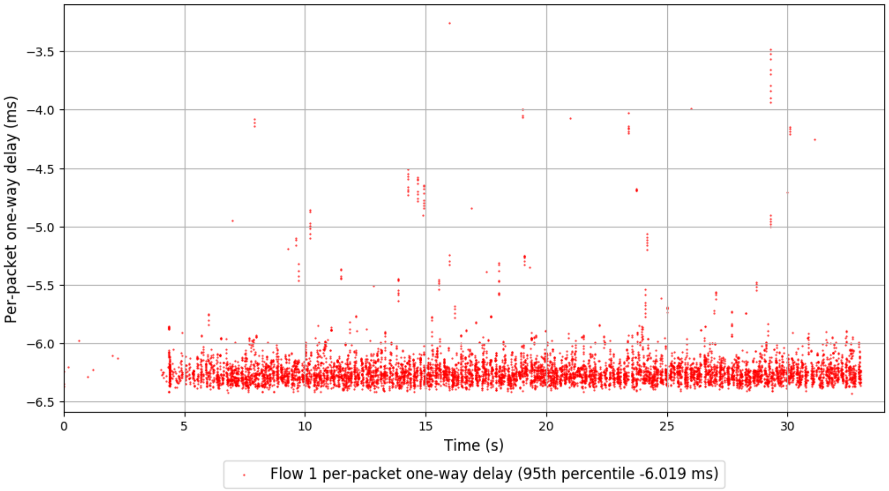




```
Run 1: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 11:05:27 +0000
End at: Tue, 13 Jun 2017 11:05:57 +0000
Local clock offset: 5.092 ms
Remote clock offset: -2.214 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -6.019 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -6.019 ms
Loss rate: 0.07%
```

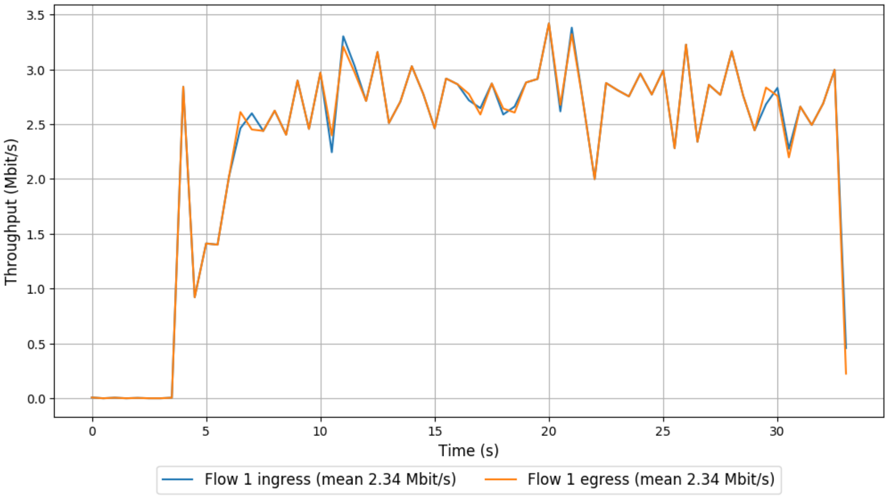
Run 1: Report of WebRTC media — Data Link

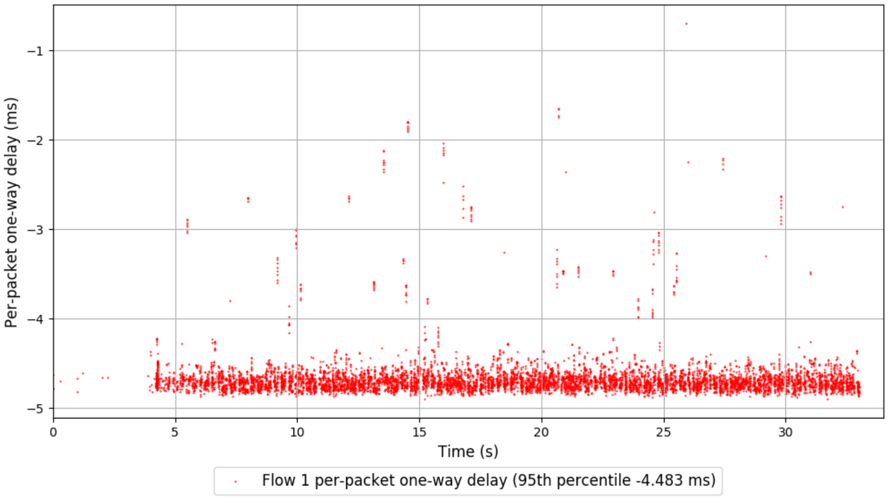




```
Run 2: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 11:26:28 +0000
End at: Tue, 13 Jun 2017 11:26:58 +0000
Local clock offset: 3.658 ms
Remote clock offset: -2.135 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -4.483 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -4.483 ms
Loss rate: 0.15%
```

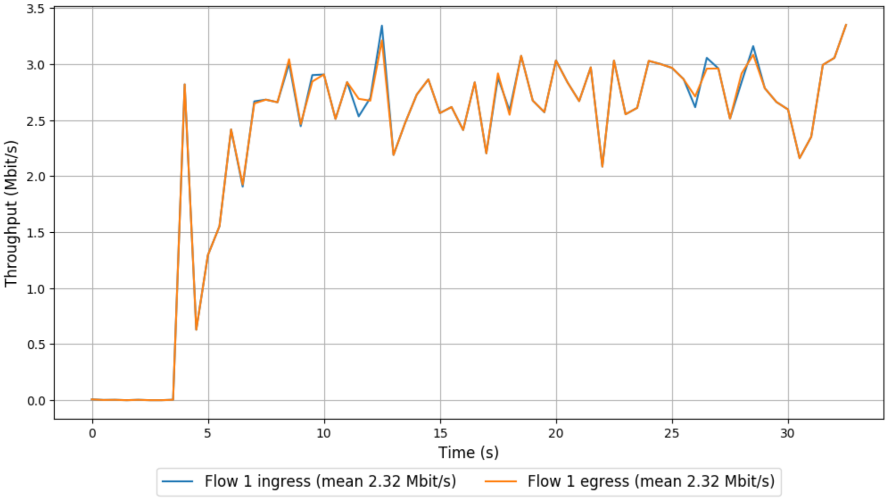
Run 2: Report of WebRTC media — Data Link

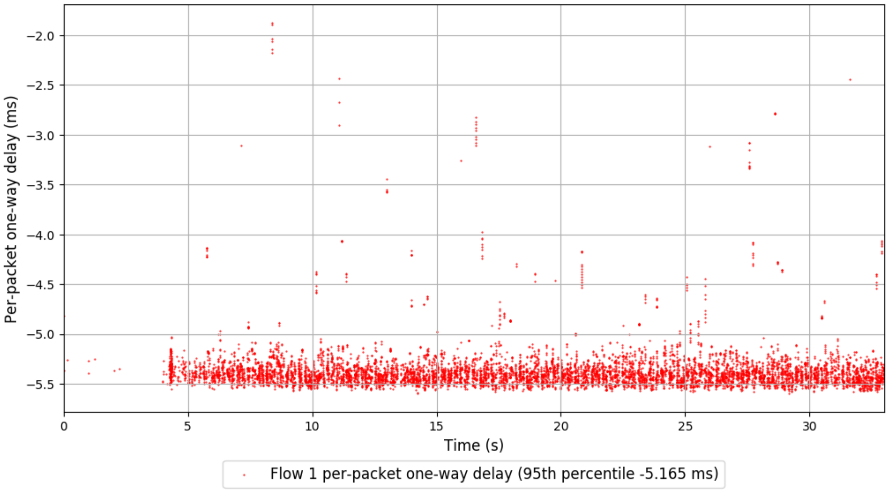




```
Run 3: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 11:47:05 +0000
End at: Tue, 13 Jun 2017 11:47:35 +0000
Local clock offset: 3.985 ms
Remote clock offset: -2.547 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -5.165 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -5.165 ms
Loss rate: 0.00%
```

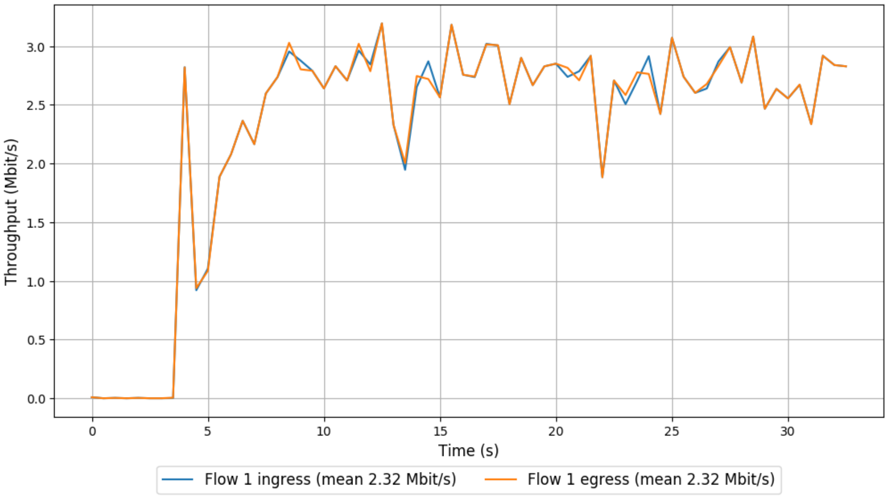
Run 3: Report of WebRTC media — Data Link

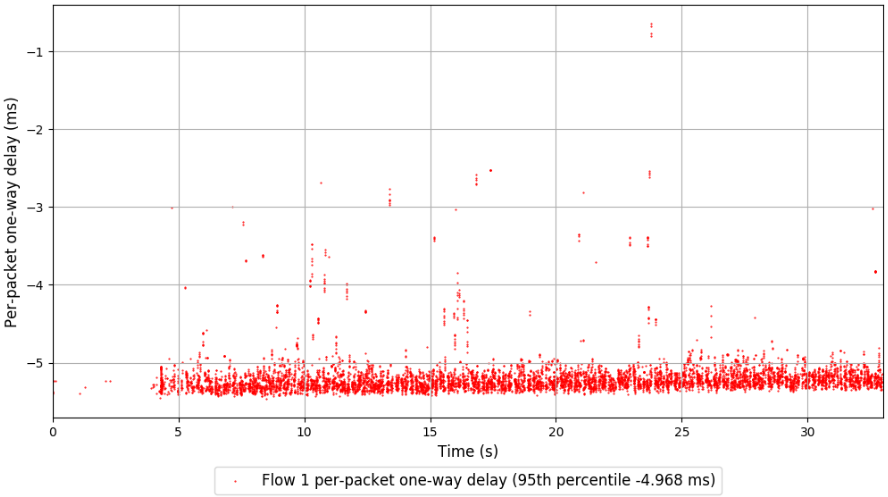




```
Run 4: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 12:07:39 +0000
End at: Tue, 13 Jun 2017 12:08:09 +0000
Local clock offset: 4.309 ms
Remote clock offset: -2.279 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -4.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -4.968 ms
Loss rate: 0.00%
```

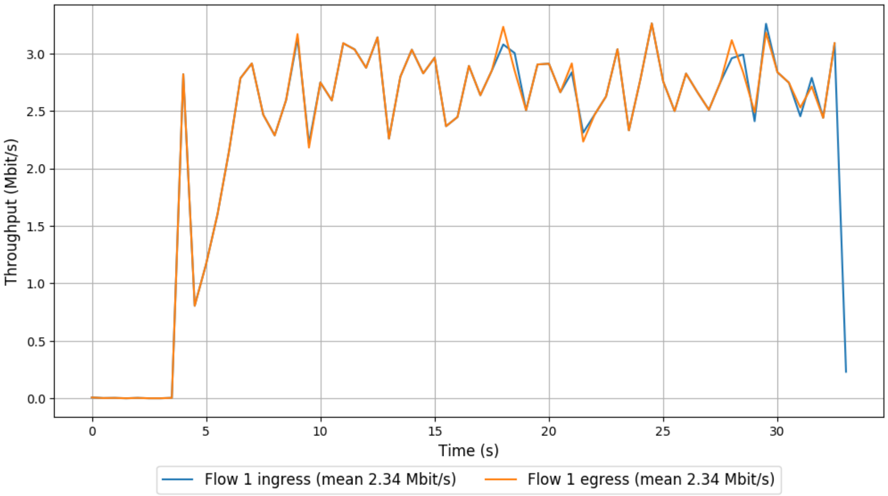
Run 4: Report of WebRTC media — Data Link

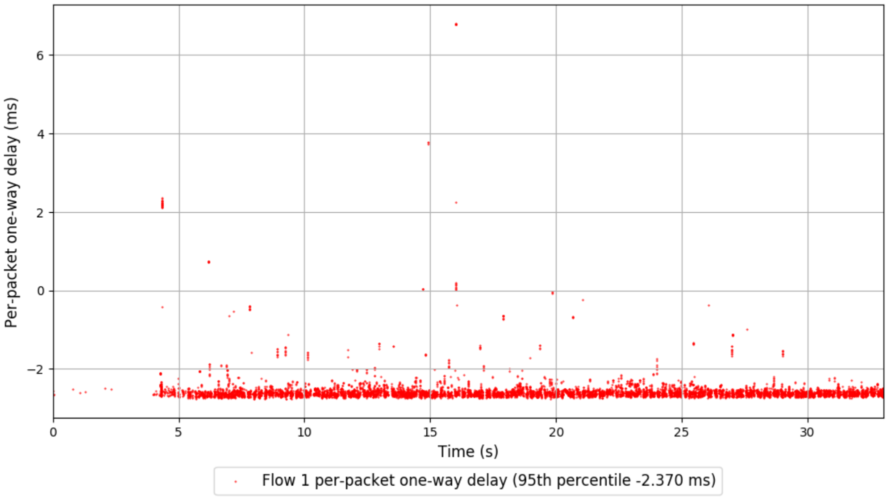




```
Run 5: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 12:28:48 +0000
End at: Tue, 13 Jun 2017 12:29:18 +0000
Local clock offset: 1.76 ms
Remote clock offset: -2.107 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -2.370 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -2.370 ms
Loss rate: 0.15%
```

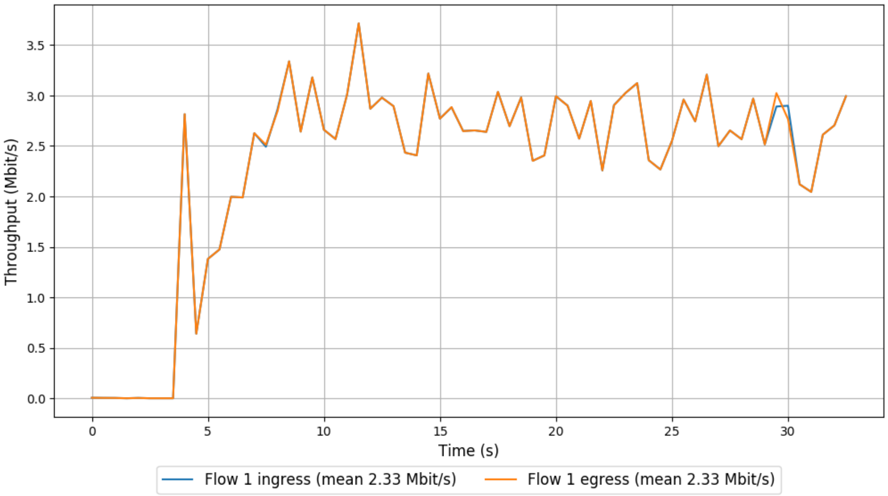
Run 5: Report of WebRTC media — Data Link

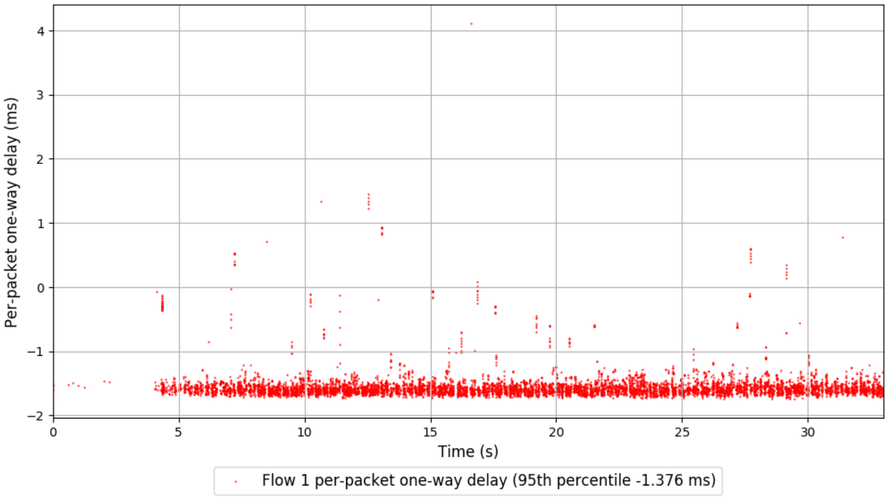




```
Run 6: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 12:50:02 +0000
End at: Tue, 13 Jun 2017 12:50:32 +0000
Local clock offset: 0.729 ms
Remote clock offset: -1.832 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -1.376 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -1.376 ms
Loss rate: 0.00%
```

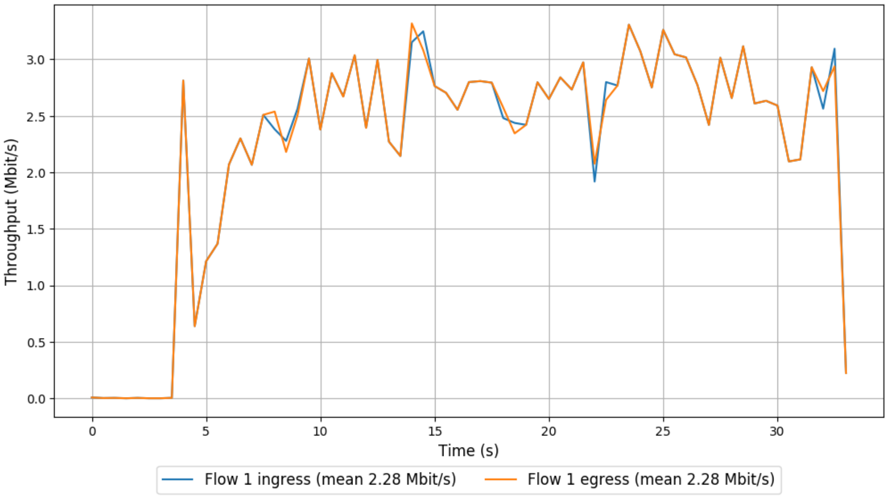
Run 6: Report of WebRTC media — Data Link

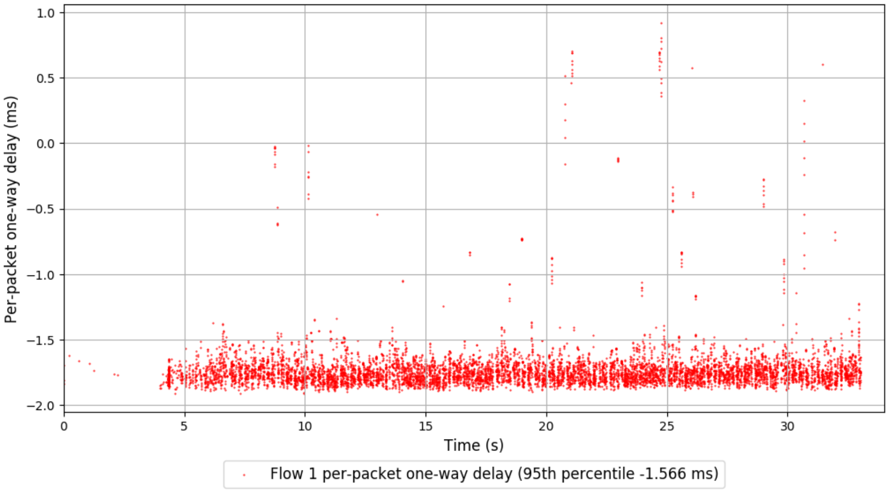




```
Run 7: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 13:11:02 +0000
End at: Tue, 13 Jun 2017 13:11:32 +0000
Local clock offset: 1.08 ms
Remote clock offset: -1.885 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: -1.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: -1.566 ms
Loss rate: 0.00%
```

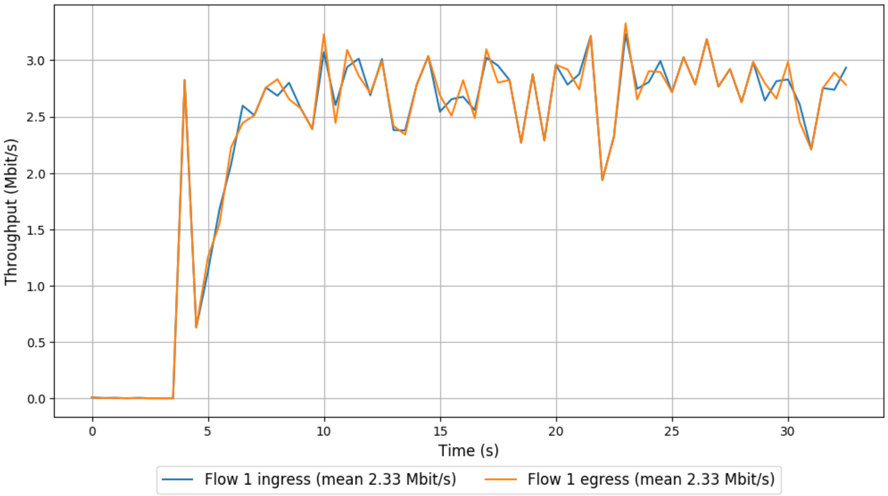
Run 7: Report of WebRTC media — Data Link

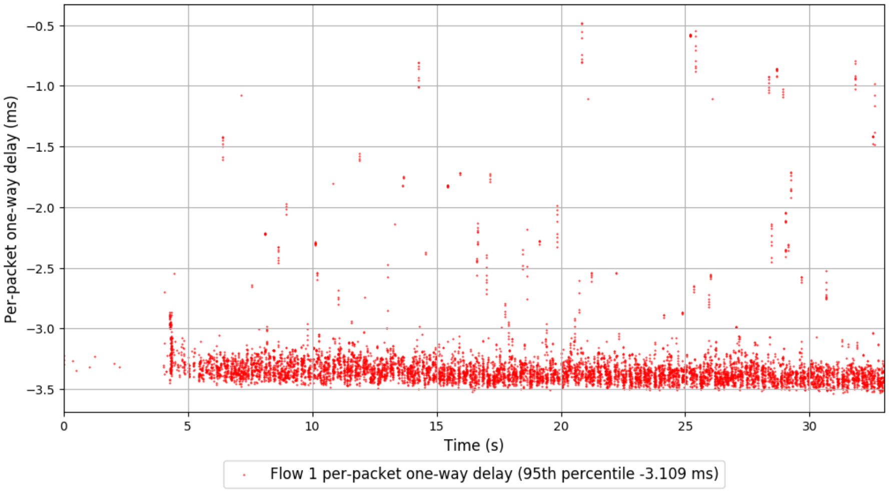




```
Run 8: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 13:32:17 +0000
End at: Tue, 13 Jun 2017 13:32:47 +0000
Local clock offset: 2.364 ms
Remote clock offset: -1.95 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -3.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -3.109 ms
Loss rate: 0.00%
```

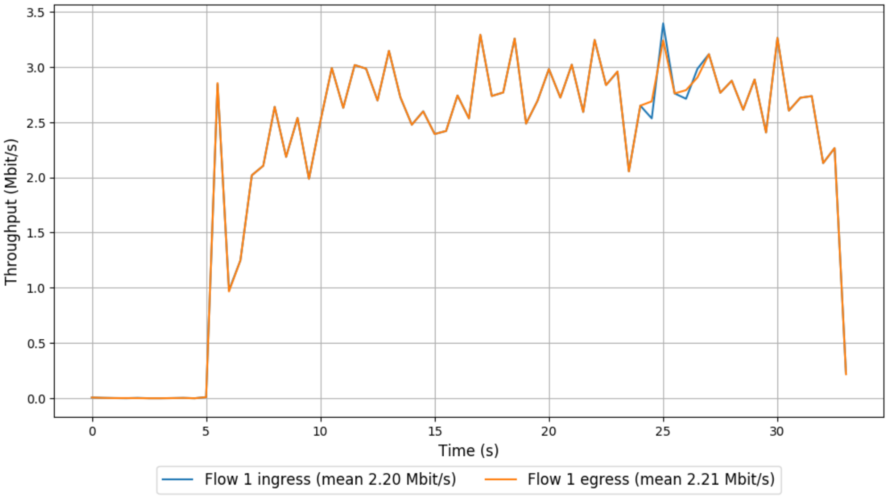
Run 8: Report of WebRTC media — Data Link

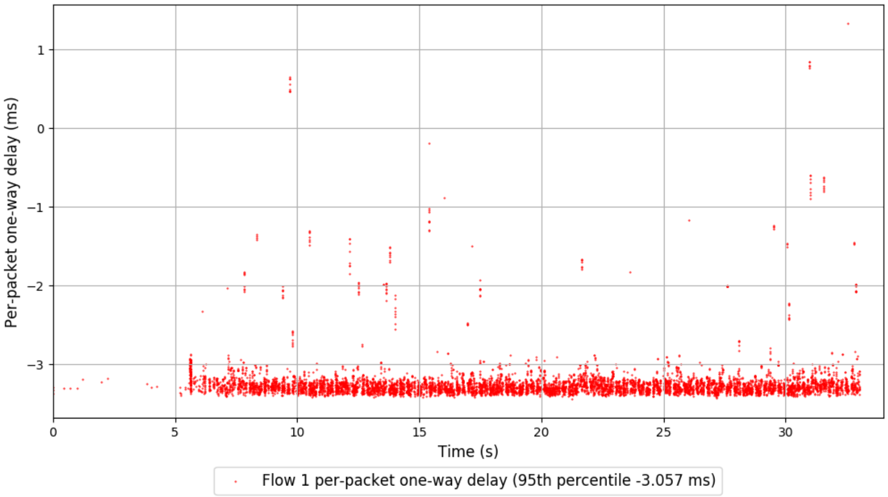




```
Run 9: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 13:53:31 +0000
End at: Tue, 13 Jun 2017 13:54:01 +0000
Local clock offset: 2.55 ms
Remote clock offset: -1.768 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: -3.057 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: -3.057 ms
Loss rate: 0.00%
```

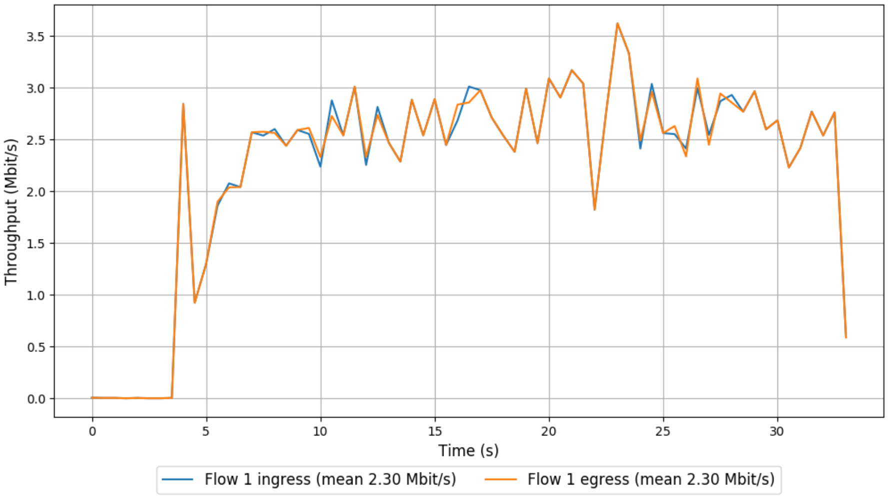
Run 9: Report of WebRTC media — Data Link



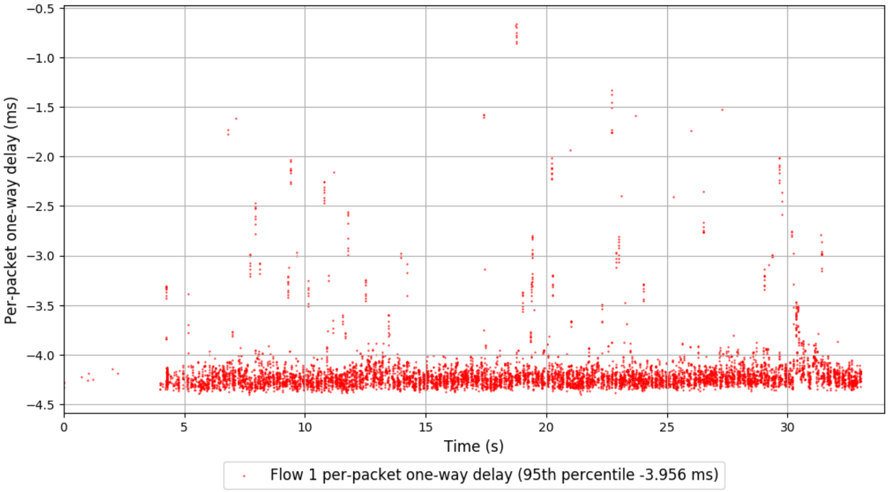


```
Run 10: Statistics of WebRTC media

Start at: Tue, 13 Jun 2017 14:14:45 +0000
End at: Tue, 13 Jun 2017 14:15:15 +0000
Local clock offset: 3.171 ms
Remote clock offset: -2.116 ms

# Below is generated by plot.py at Tue, 13 Jun 2017 16:59:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: -3.956 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: -3.956 ms
Loss rate: 0.00%
```

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 2.30 Mbit/s)
Flow 1 egress (mean 2.30 Mbit/s)



−0.5
−1.0
−1.5
−2.0
−2.5
−3.0
−3.5
−4.0
−4.5
Per-packet one-way delay (ms)
0
5
10
15
20
25
30
Time (s)
Flow 1 per-packet one-way delay (95th percentile -3.956 ms)