Pantheon Report

Generated at 2017-12-11 17:07:48 (UTC).

Data path: AWS India 1 Ethernet (*local*) →India Ethernet (*remote*).

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

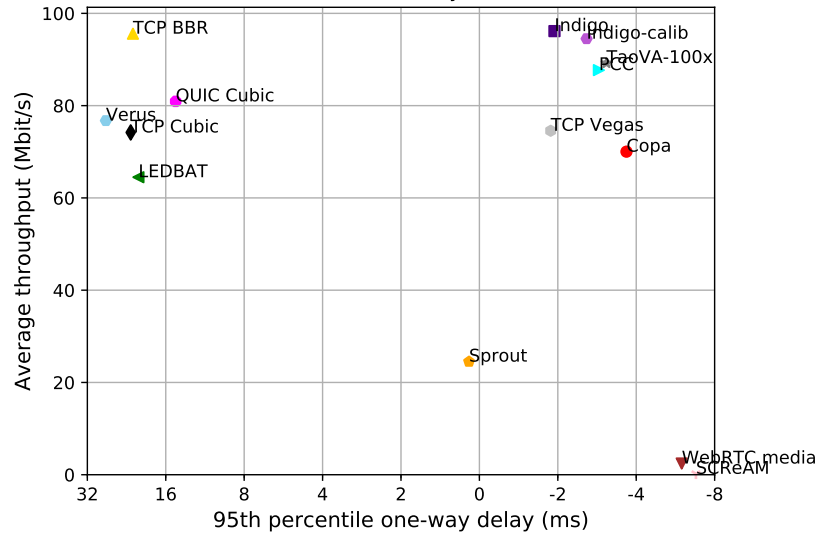Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

Tested BBR with qdisc of Fair Queuing (`fq`), and other schemes with the default Linux qdisc (`pfifo_fast`).

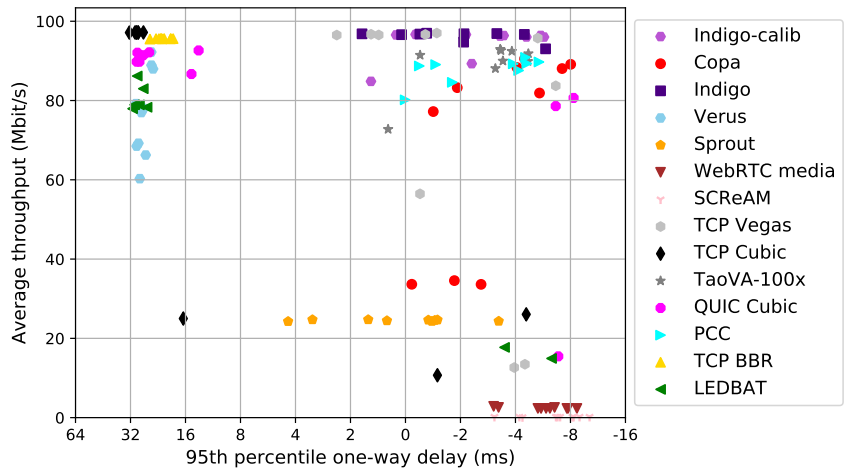NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
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 AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

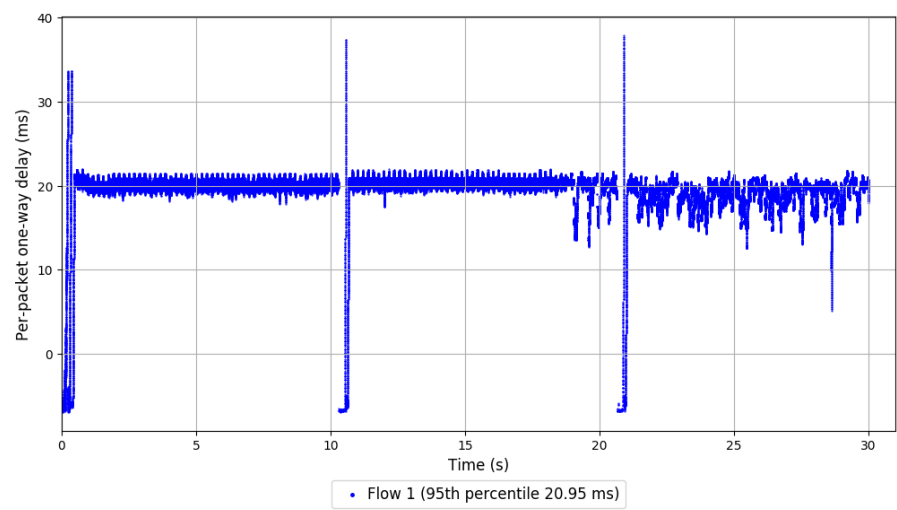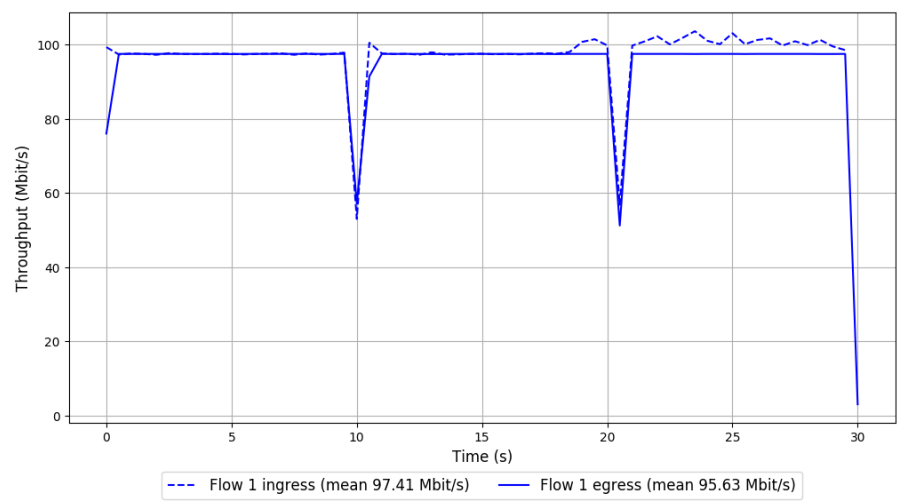test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme

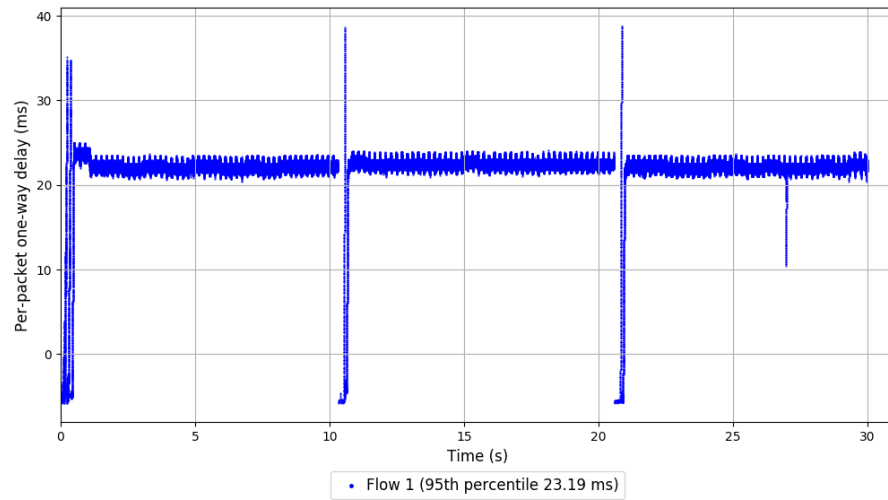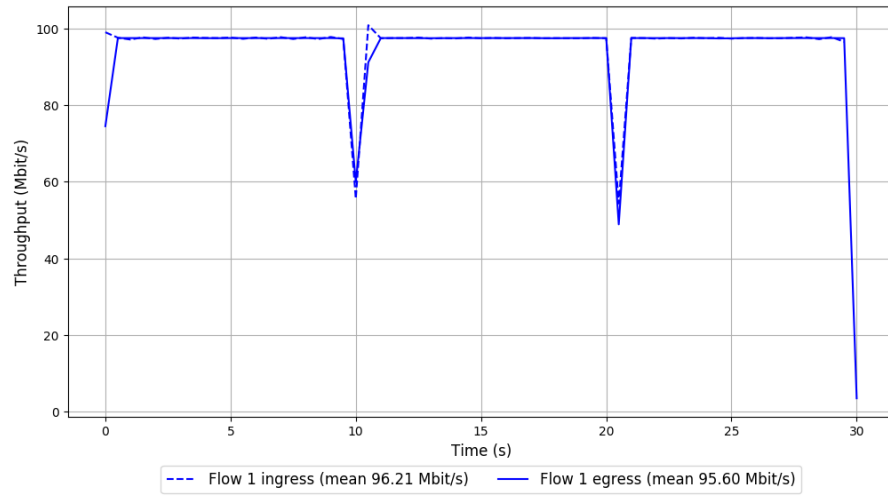| scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.59	21.39	0.69
TCP Cubic	10	74.19	21.81	0.35
LEDBAT	8	64.48	20.38	0.18
PCC	9	87.70	-2.88	0.75
QUIC Cubic	10	80.93	14.66	0.27
SCReAM	10	0.20	-6.78	0.04
WebRTC media	10	2.43	-5.98	0.04
Sprout	9	24.52	0.27	0.14
TaoVA-100x	10	89.24	-3.07	0.13
TCP Vegas	10	74.55	-1.82	0.26
Verus	10	76.76	27.16	22.83
Copa	10	70.02	-3.67	0.13
Indigo	9	96.16	-1.91	0.14
Indigo-calib	10	94.51	-2.58	0.07

```
Run 1: Statistics of TCP BBR

Start at: 2017-12-11 13:45:51
End at: 2017-12-11 13:46:21
Local clock offset: -2.736 ms
Remote clock offset: -14.225 ms


# Below is generated by plot.py at 2017-12-11 16:50:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 20.945 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: 20.945 ms
Loss rate: 1.74%
```
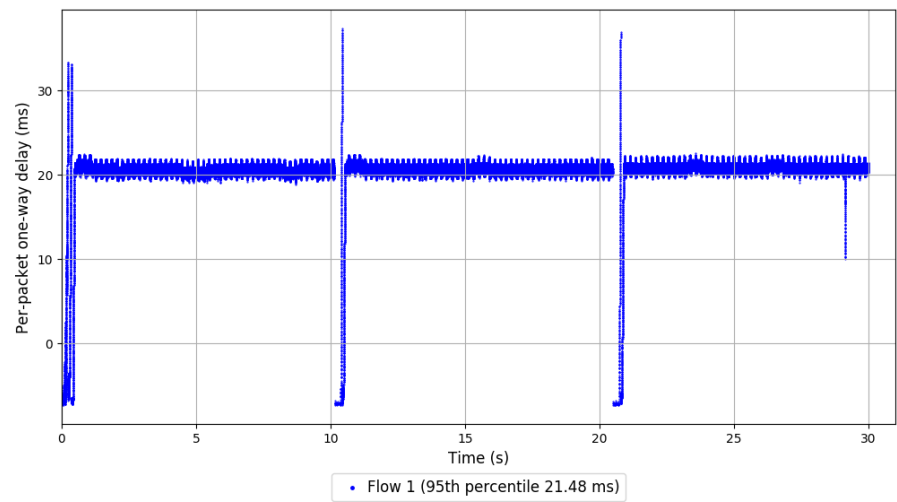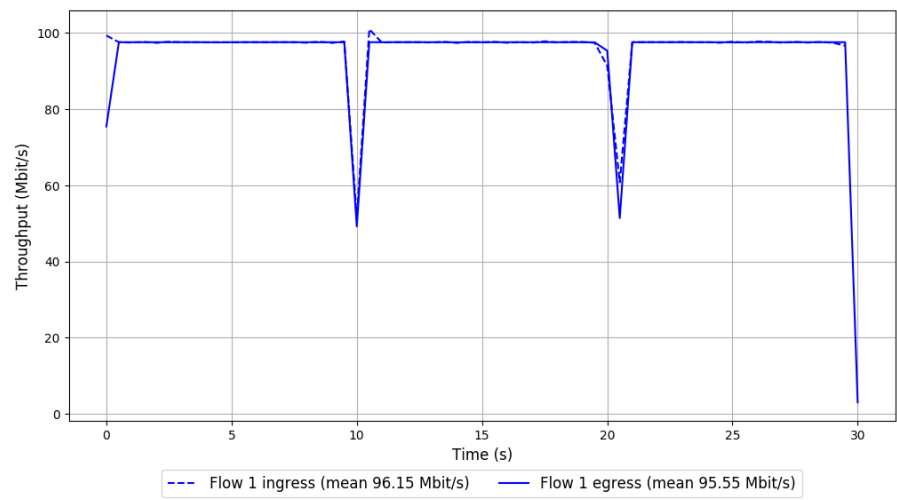
Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 97.41 Mbit/s)   Flow 1 egress (mean 95.63 Mbit/s)

Flow 1 (95th percentile 20.95 ms)

```
Run 2: Statistics of TCP BBR

Start at: 2017-12-11 14:03:06
End at: 2017-12-11 14:03:36
Local clock offset: -2.458 ms
Remote clock offset: -15.001 ms


# Below is generated by plot.py at 2017-12-11 16:50:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 23.194 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 95.60 Mbit/s
95th percentile per-packet one-way delay: 23.194 ms
Loss rate: 0.54%
```
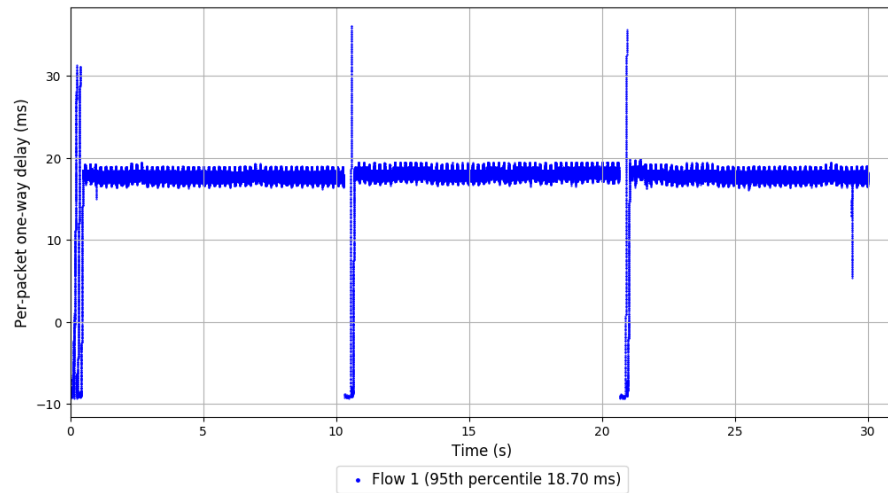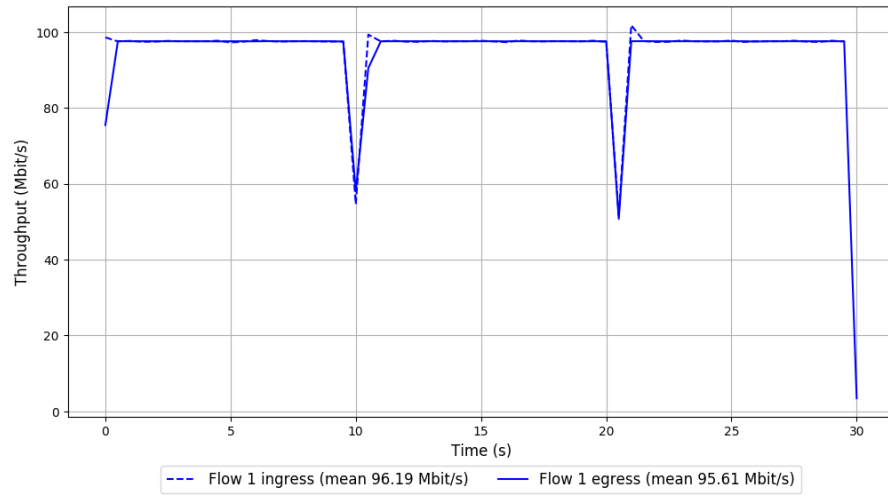
Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2017-12-11 14:20:14
End at: 2017-12-11 14:20:44
Local clock offset: -0.513 ms
Remote clock offset: -14.282 ms


# Below is generated by plot.py at 2017-12-11 16:50:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 21.480 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 21.480 ms
Loss rate: 0.53%
```
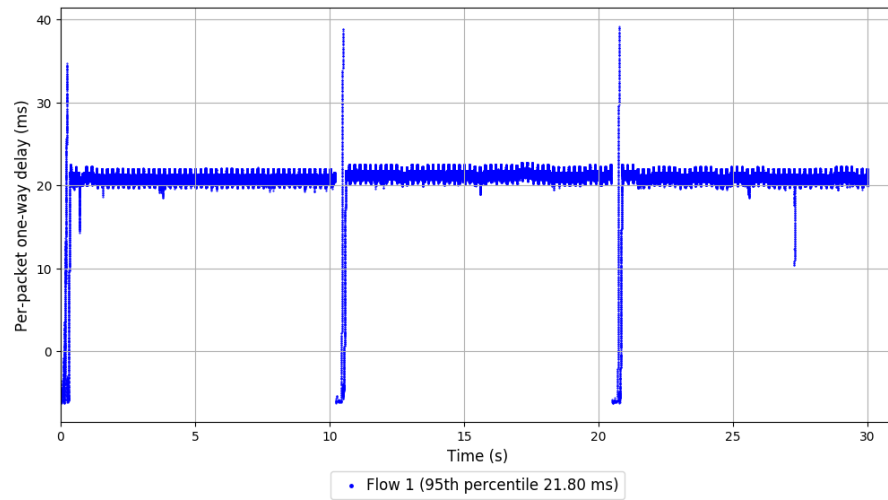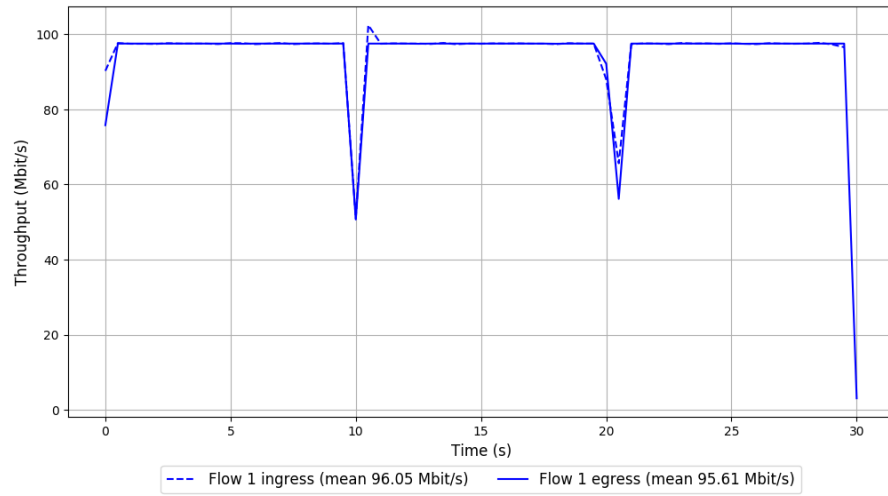
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.15 Mbit/s)   Flow 1 egress (mean 95.55 Mbit/s)

Flow 1 (95th percentile 21.48 ms)

9

```
Run 4: Statistics of TCP BBR

Start at: 2017-12-11 14:37:23
End at: 2017-12-11 14:37:53
Local clock offset: -0.087 ms
Remote clock offset: -14.628 ms

# Below is generated by plot.py at 2017-12-11 16:50:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 18.702 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 18.702 ms
Loss rate: 0.52%
```
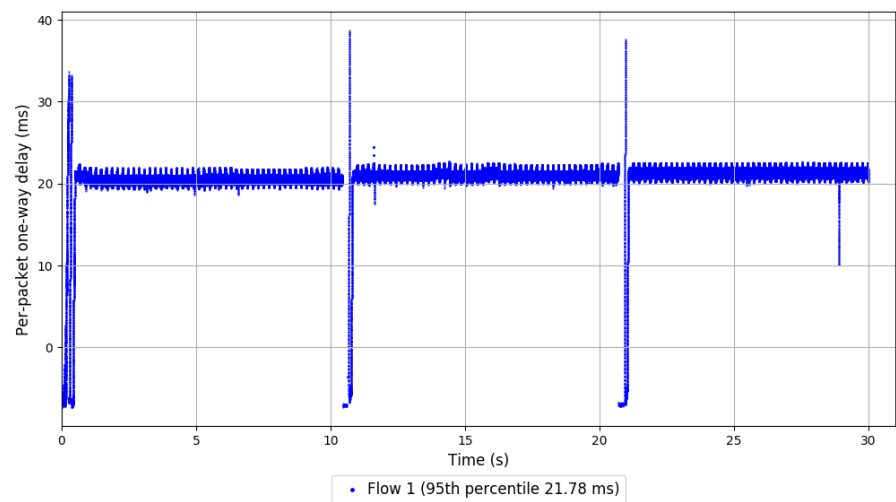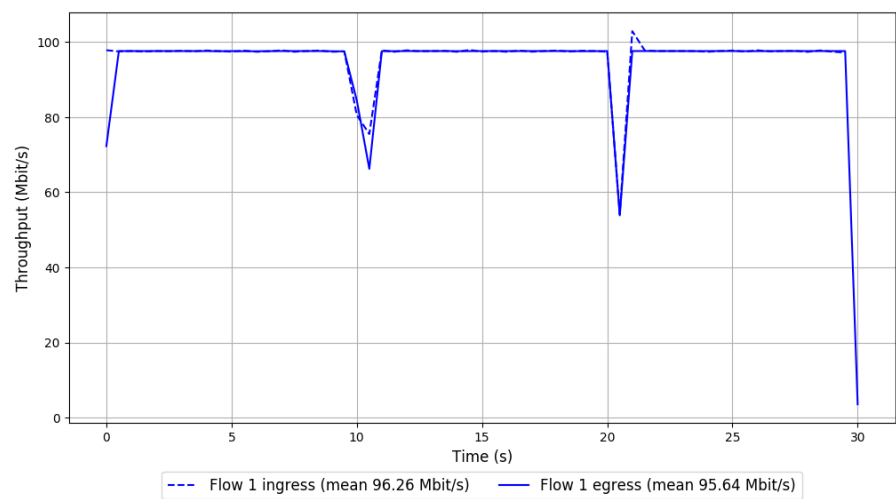
Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2017-12-11 14:54:09
End at: 2017-12-11 14:54:39
Local clock offset: -2.316 ms
Remote clock offset: -14.606 ms

# Below is generated by plot.py at 2017-12-11 16:50:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 21.798 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 21.798 ms
Loss rate: 0.36%
```
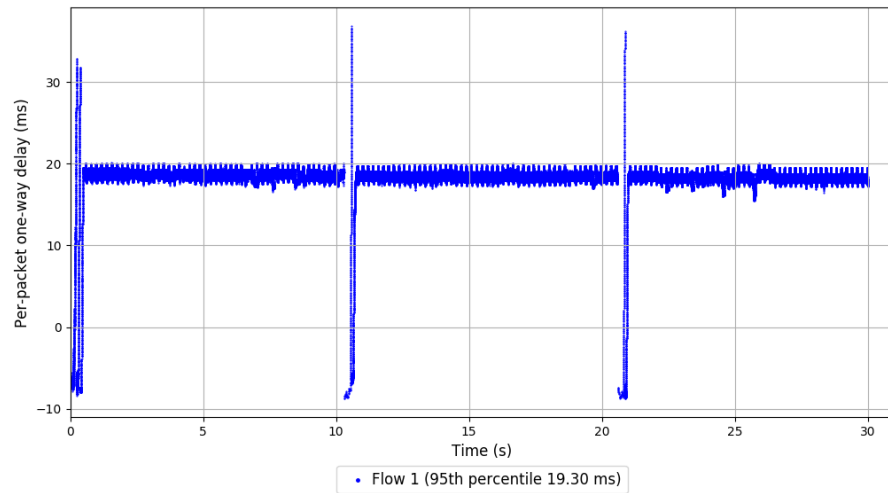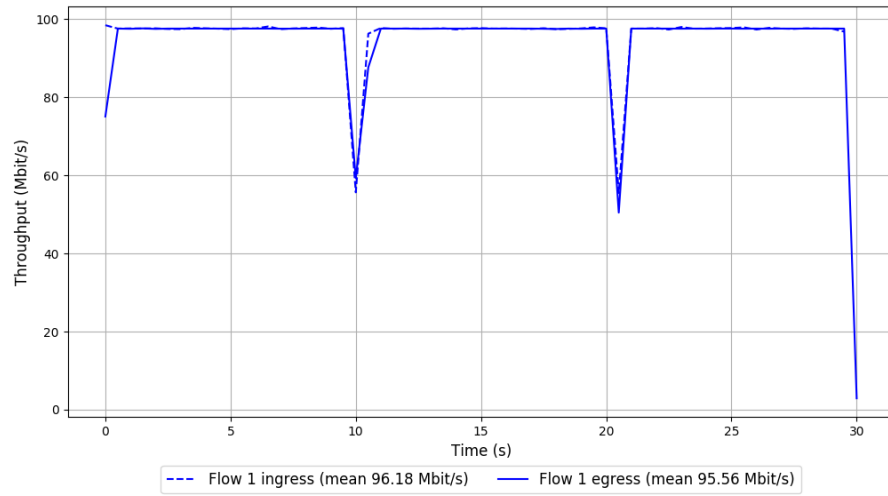
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.05 Mbit/s) — — — Flow 1 egress (mean 95.61 Mbit/s)

Flow 1 (95th percentile 21.80 ms)

13

```
Run 6: Statistics of TCP BBR

Start at: 2017-12-11 15:11:16
End at: 2017-12-11 15:11:46
Local clock offset: -0.716 ms
Remote clock offset: -16.065 ms


# Below is generated by plot.py at 2017-12-11 16:50:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 21.783 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 95.64 Mbit/s
95th percentile per-packet one-way delay: 21.783 ms
Loss rate: 0.56%
```
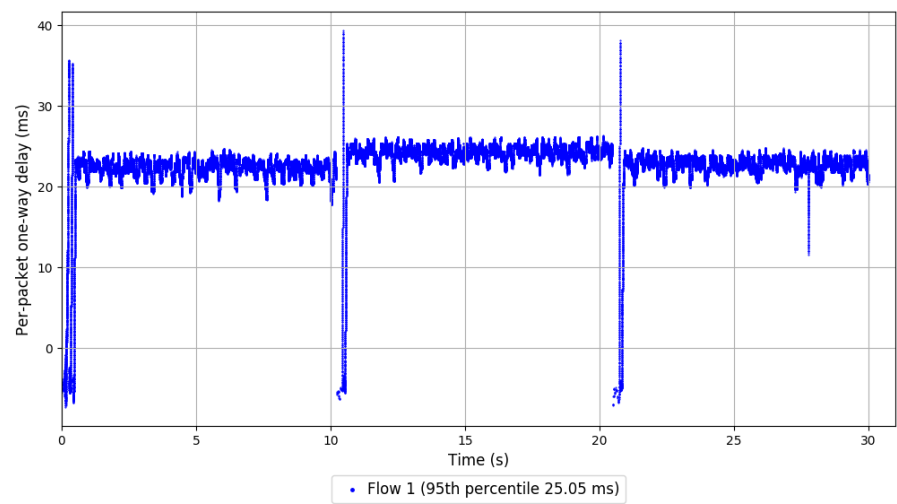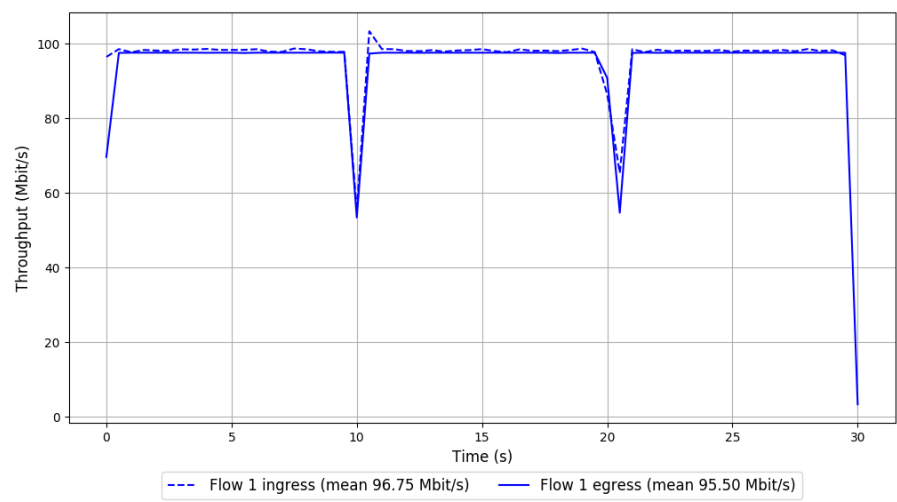
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.26 Mbit/s)   Flow 1 egress (mean 95.64 Mbit/s)

Flow 1 (95th percentile 21.78 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2017-12-11 15:28:29
End at: 2017-12-11 15:29:00
Local clock offset: 0.27 ms
Remote clock offset: -17.414 ms


# Below is generated by plot.py at 2017-12-11 16:50:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 19.302 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 19.302 ms
Loss rate: 0.56%
```

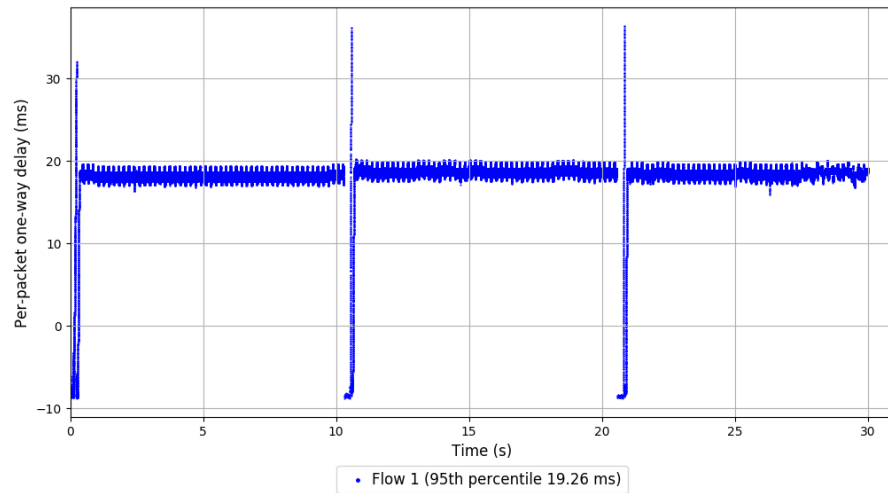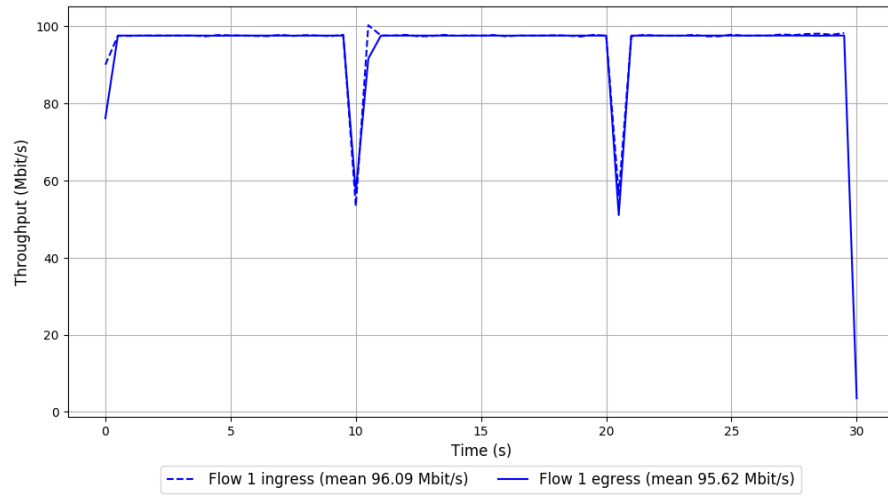Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2017-12-11 15:44:47
End at: 2017-12-11 15:45:17
Local clock offset: 0.365 ms
Remote clock offset: -18.301 ms


# Below is generated by plot.py at 2017-12-11 16:50:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 25.054 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 25.054 ms
Loss rate: 1.21%
```
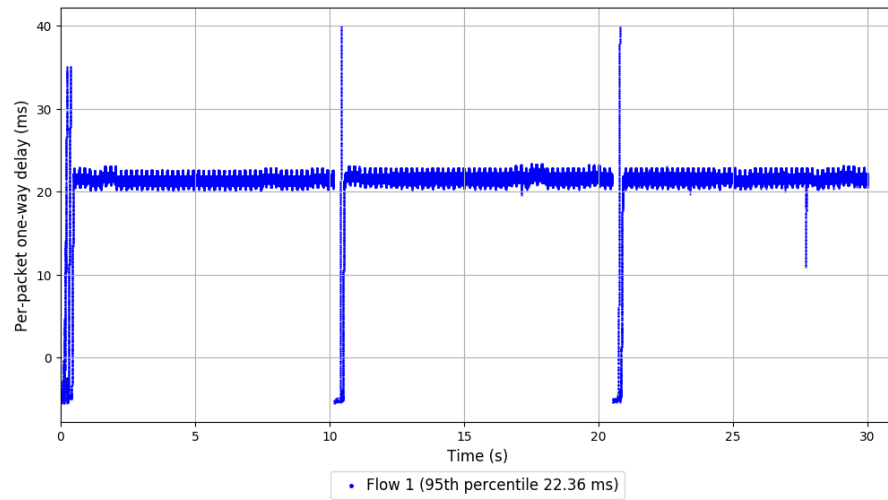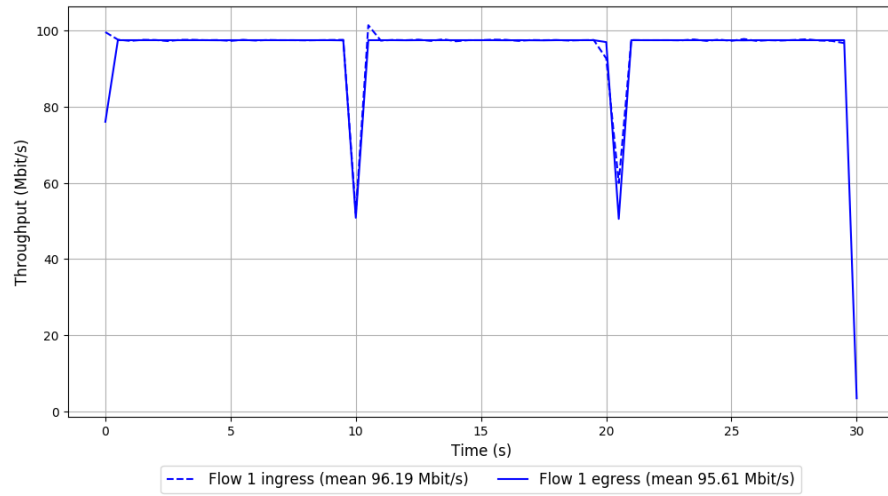
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.75 Mbit/s)   Flow 1 egress (mean 95.50 Mbit/s)

Flow 1 (95th percentile 25.05 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2017-12-11 16:01:16
End at: 2017-12-11 16:01:46
Local clock offset: 0.694 ms
Remote clock offset: -16.778 ms


# Below is generated by plot.py at 2017-12-11 16:51:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.40%
```
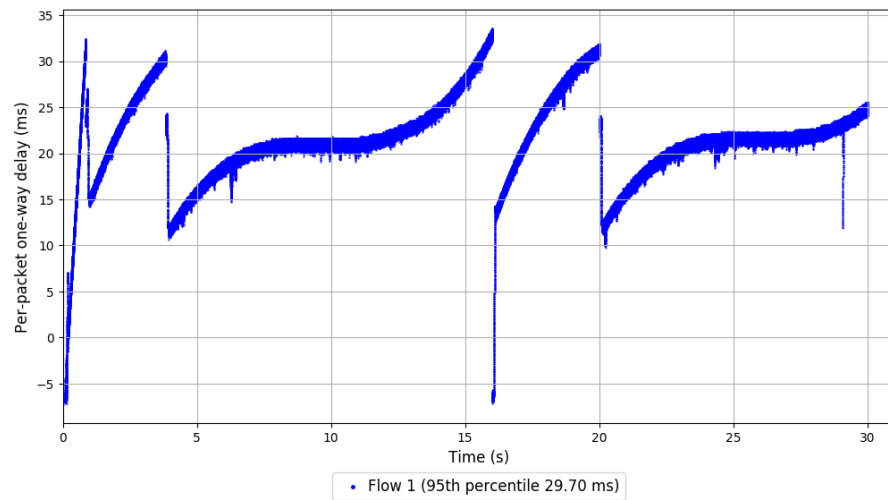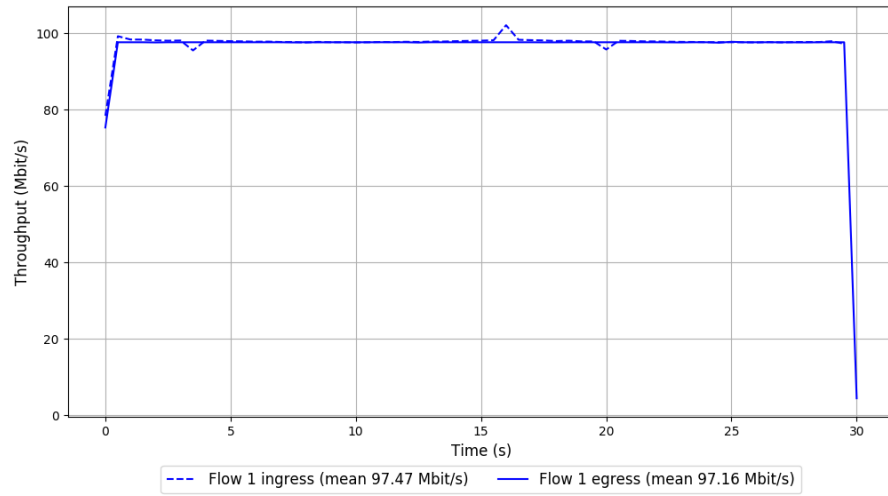
Run 9: Report of TCP BBR — Data Link

```
Run 10: Statistics of TCP BBR

Start at: 2017-12-11 16:17:48
End at: 2017-12-11 16:18:18
Local clock offset: -2.281 ms
Remote clock offset: -17.686 ms

# Below is generated by plot.py at 2017-12-11 16:51:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 22.358 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 22.358 ms
Loss rate: 0.52%
```
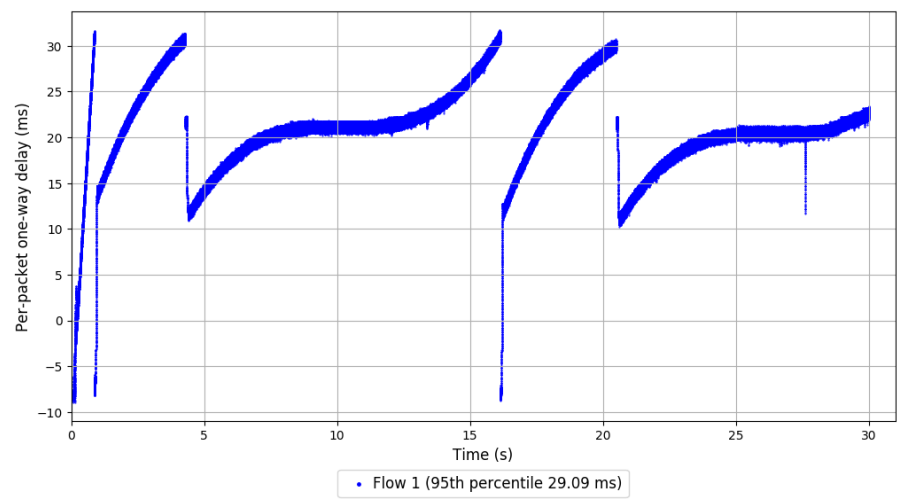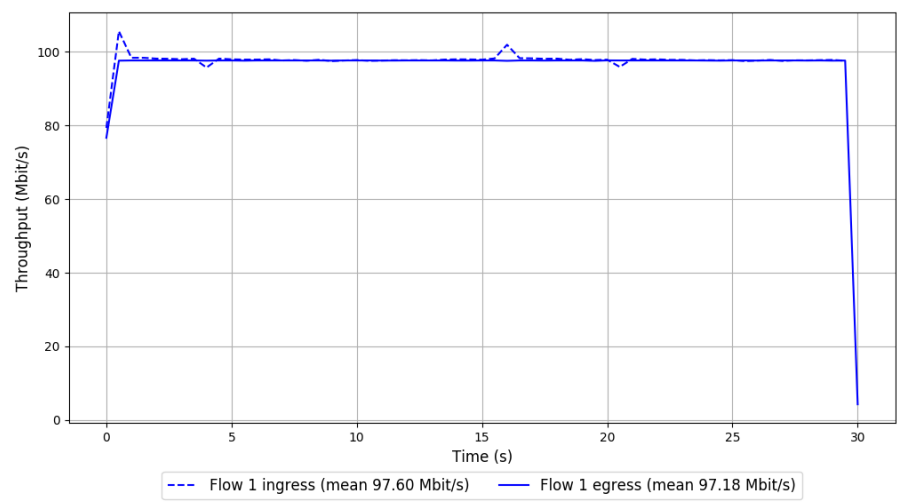
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.19 Mbit/s) --- Flow 1 egress (mean 95.61 Mbit/s)

Flow 1 (95th percentile 22.36 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2017-12-11 13:50:37
End at: 2017-12-11 13:51:07
Local clock offset: -3.267 ms
Remote clock offset: -16.531 ms

# Below is generated by plot.py at 2017-12-11 16:51:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 29.699 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 97.16 Mbit/s
95th percentile per-packet one-way delay: 29.699 ms
Loss rate: 0.21%
```
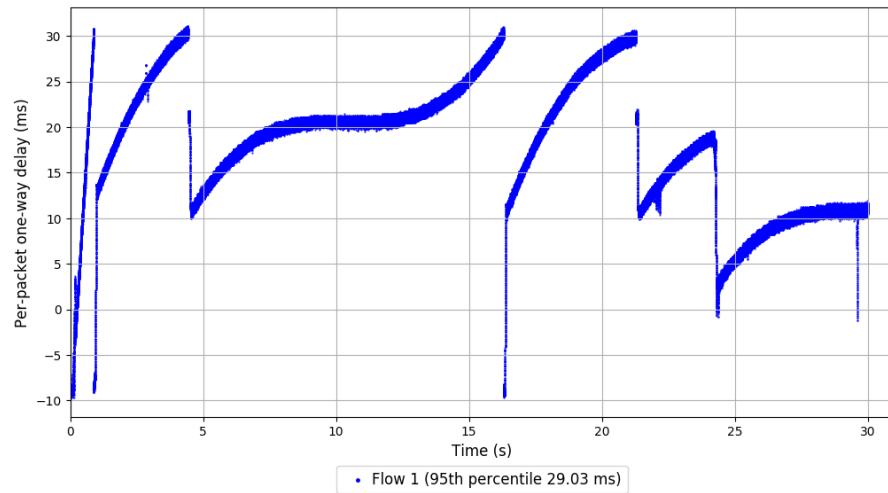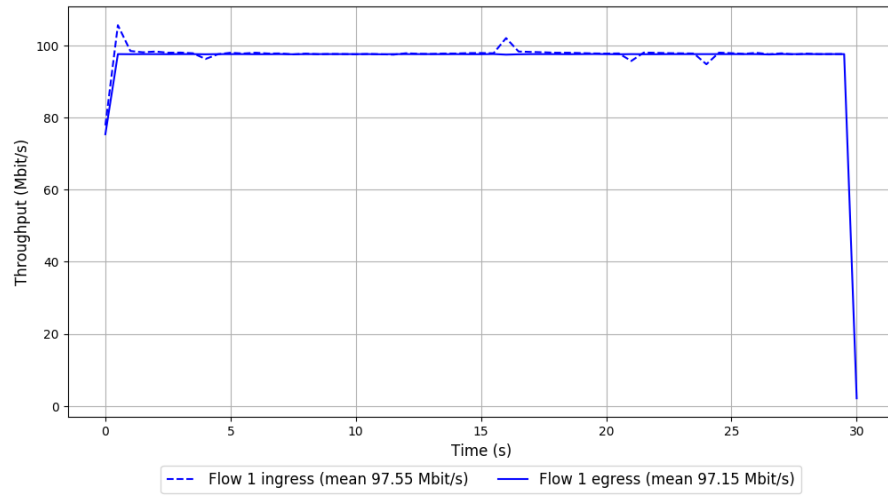
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2017-12-11 14:07:43
End at: 2017-12-11 14:08:13
Local clock offset: 0.174 ms
Remote clock offset: -14.737 ms

# Below is generated by plot.py at 2017-12-11 16:51:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 29.095 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 29.095 ms
Loss rate: 0.33%
```
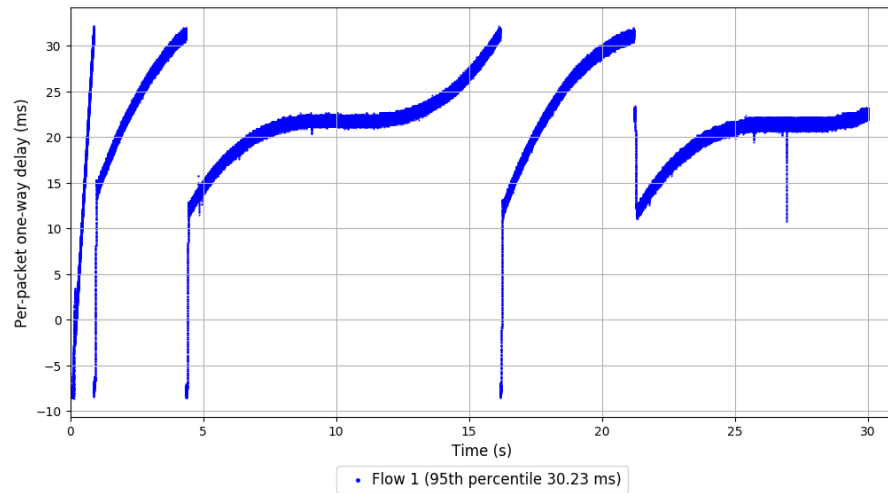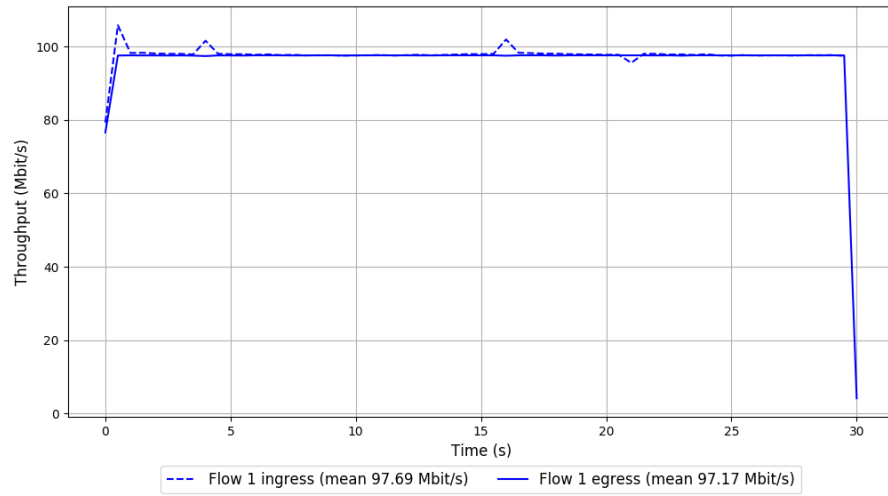
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.60 Mbit/s)   Flow 1 egress (mean 97.18 Mbit/s)

• Flow 1 (95th percentile 29.09 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2017-12-11 14:25:05
End at: 2017-12-11 14:25:35
Local clock offset: 0.387 ms
Remote clock offset: -15.148 ms


# Below is generated by plot.py at 2017-12-11 16:51:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 29.026 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 29.026 ms
Loss rate: 0.34%
```
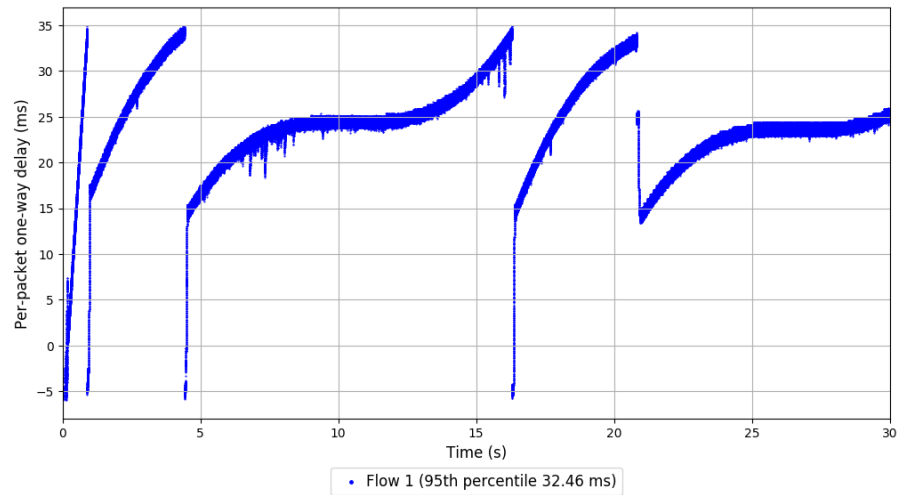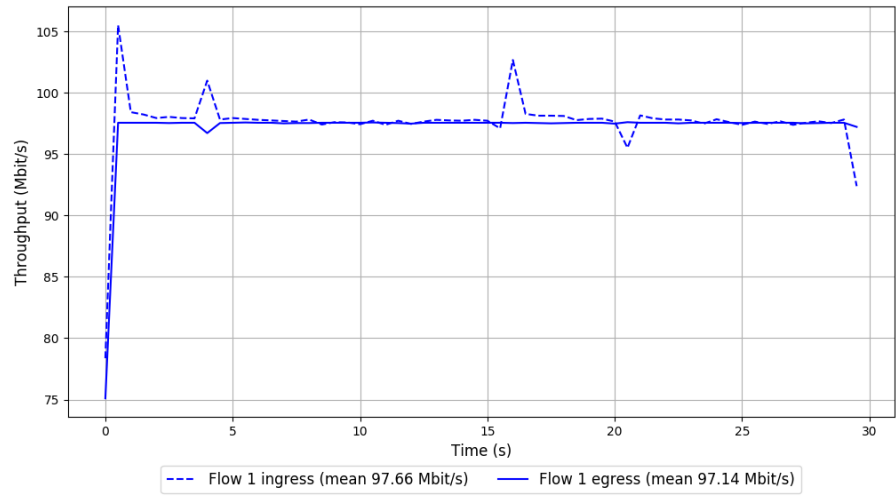
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.55 Mbit/s)   —— Flow 1 egress (mean 97.15 Mbit/s)

• Flow 1 (95th percentile 29.03 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2017-12-11 14:42:02
End at: 2017-12-11 14:42:32
Local clock offset: 0.225 ms
Remote clock offset: -13.674 ms


# Below is generated by plot.py at 2017-12-11 16:51:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 30.225 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 30.225 ms
Loss rate: 0.43%
```
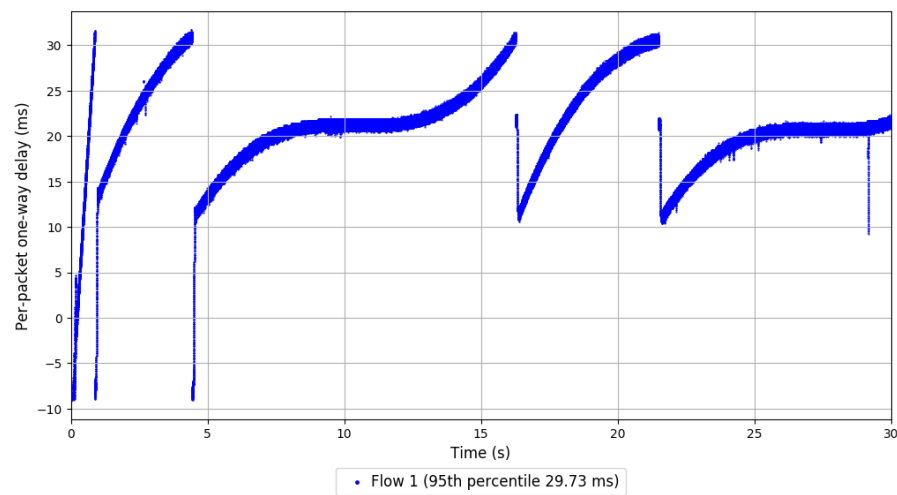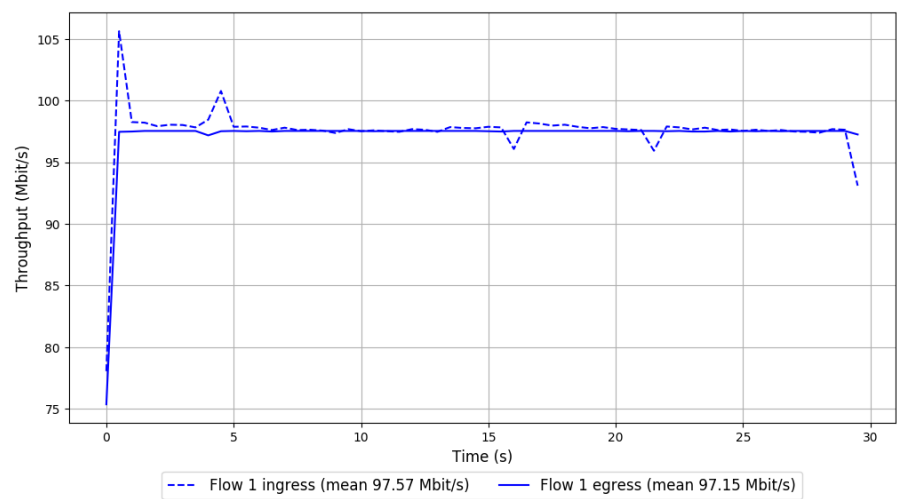
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.69 Mbit/s)   Flow 1 egress (mean 97.17 Mbit/s)

Flow 1 (95th percentile 30.23 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2017-12-11 14:58:52
End at: 2017-12-11 14:59:22
Local clock offset: -0.78 ms
Remote clock offset: -14.018 ms


# Below is generated by plot.py at 2017-12-11 16:51:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 32.458 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 32.458 ms
Loss rate: 0.43%
```
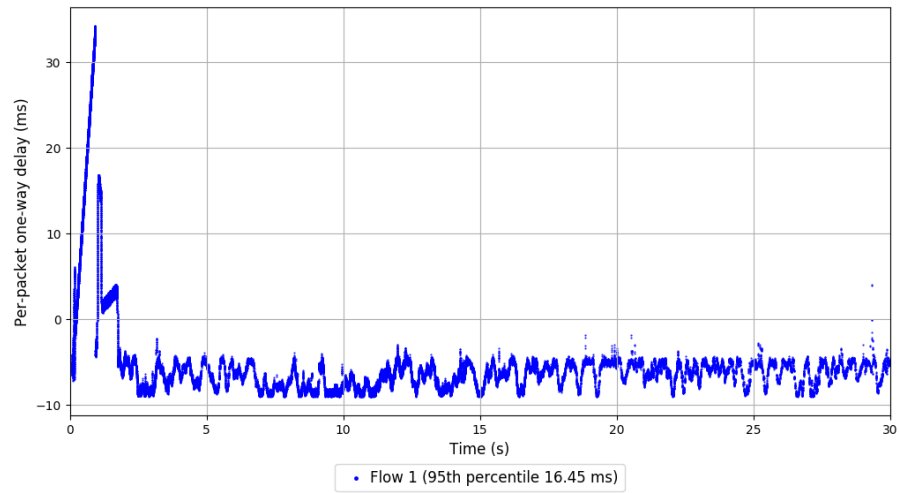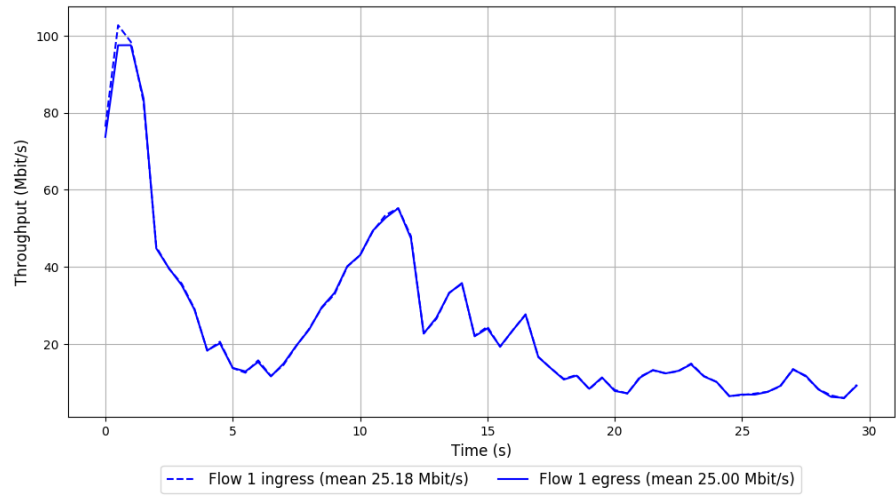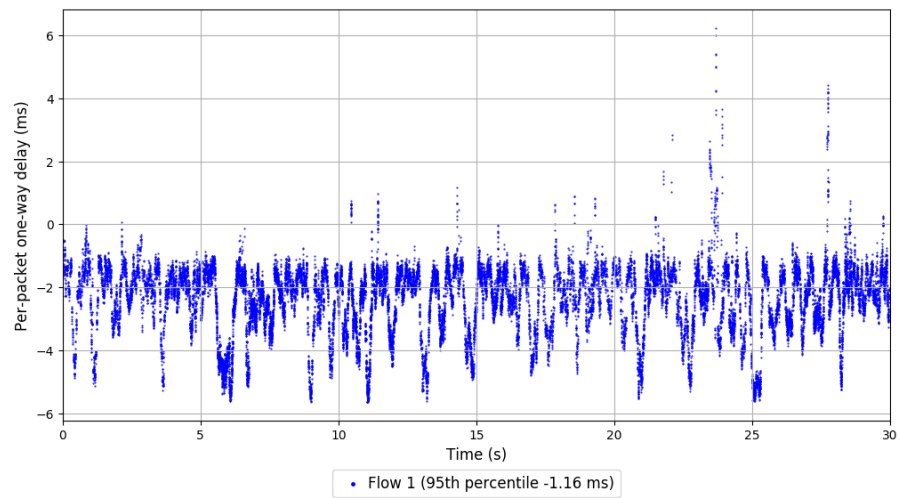
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2017-12-11 15:15:58
End at: 2017-12-11 15:16:28
Local clock offset: 0.96 ms
Remote clock offset: -16.696 ms

# Below is generated by plot.py at 2017-12-11 16:51:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 29.732 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 29.732 ms
Loss rate: 0.33%
```
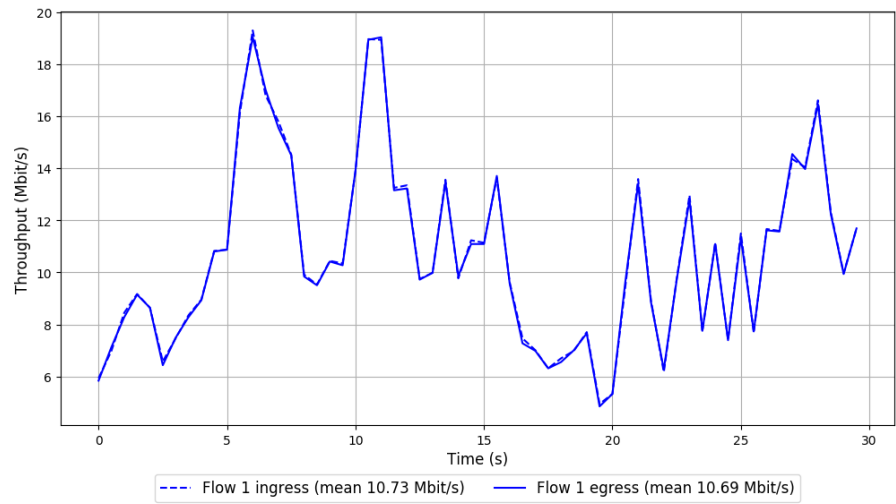
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.57 Mbit/s) —— Flow 1 egress (mean 97.15 Mbit/s)

• Flow 1 (95th percentile 29.73 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2017-12-11 15:32:59
End at: 2017-12-11 15:33:29
Local clock offset: -0.091 ms
Remote clock offset: -17.693 ms


# Below is generated by plot.py at 2017-12-11 16:51:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.00 Mbit/s
95th percentile per-packet one-way delay: 16.447 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 25.00 Mbit/s
95th percentile per-packet one-way delay: 16.447 ms
Loss rate: 0.72%
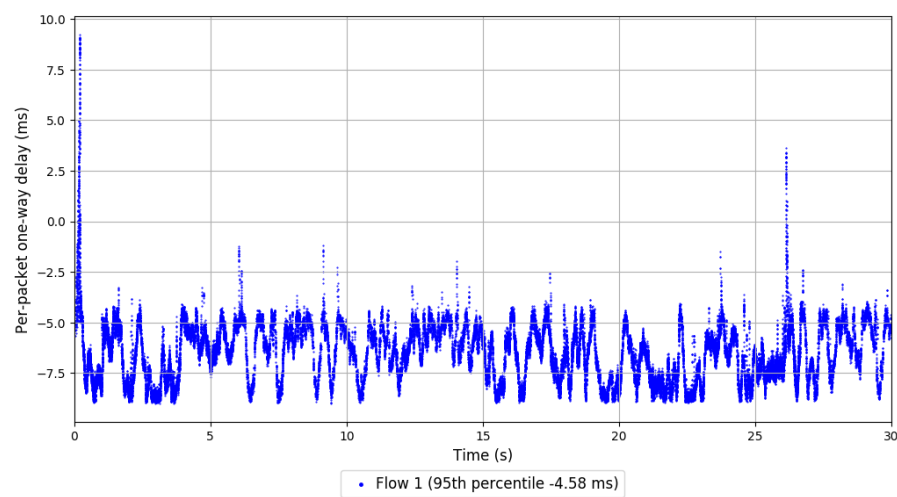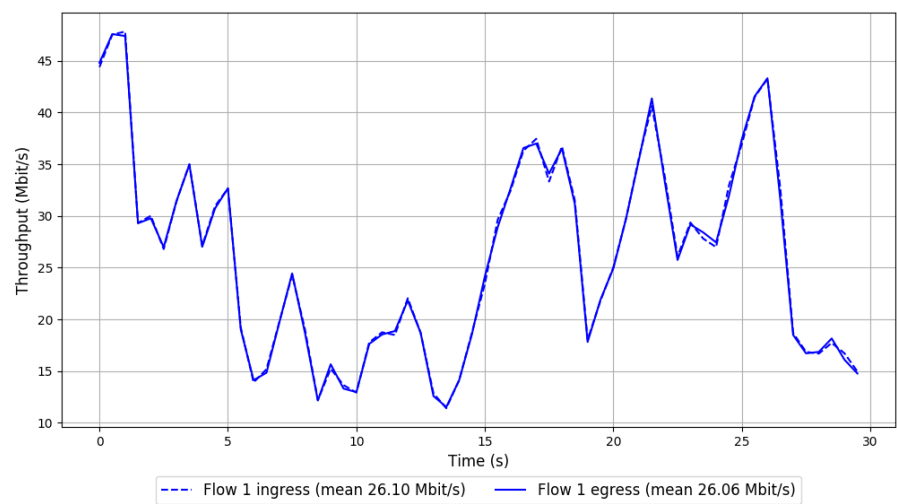```

Run 7: Report of TCP Cubic — Data Link

```
Run 8: Statistics of TCP Cubic

Start at: 2017-12-11 15:49:18
End at: 2017-12-11 15:49:48
Local clock offset: -2.533 ms
Remote clock offset: -16.391 ms

Below is generated by plot.py at 2017-12-11 16:51:59
Datalink statistics
-- Total of 1 flow:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: -1.162 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 10.69 Mbit/s
95th percentile per-packet one-way delay: -1.162 ms
Loss rate: 0.31%
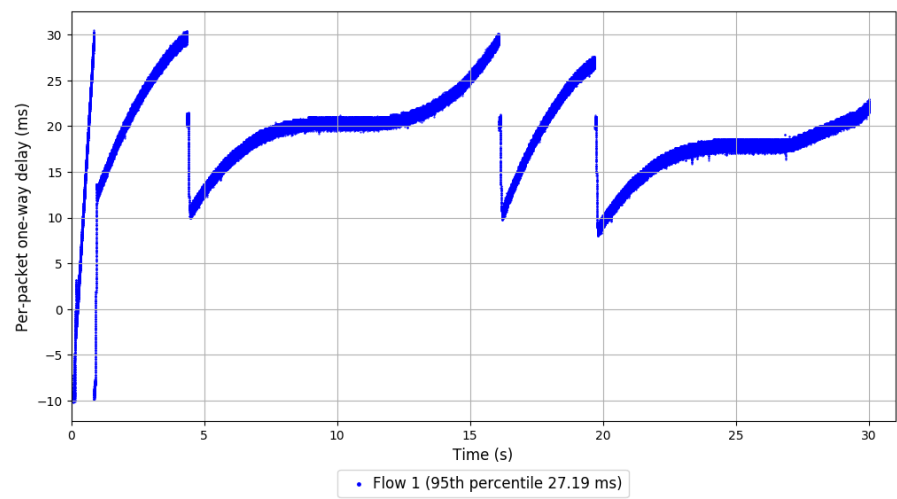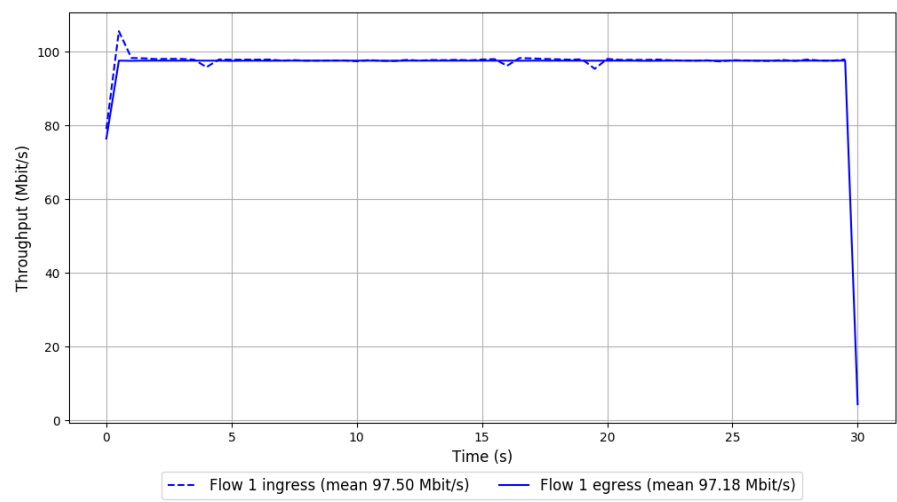```

Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: 2017-12-11 16:05:50
End at: 2017-12-11 16:06:20
Local clock offset: 1.568 ms
Remote clock offset: -16.511 ms


# Below is generated by plot.py at 2017-12-11 16:52:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: -4.582 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 26.06 Mbit/s
95th percentile per-packet one-way delay: -4.582 ms
Loss rate: 0.17%
```
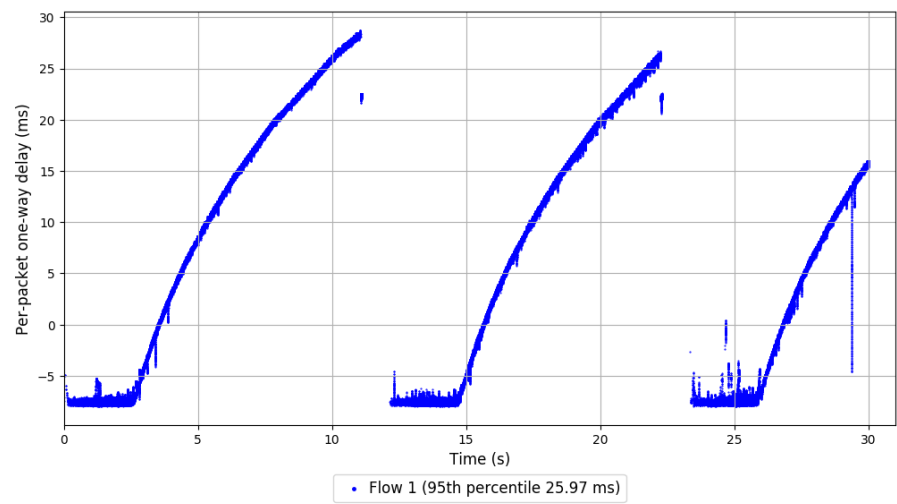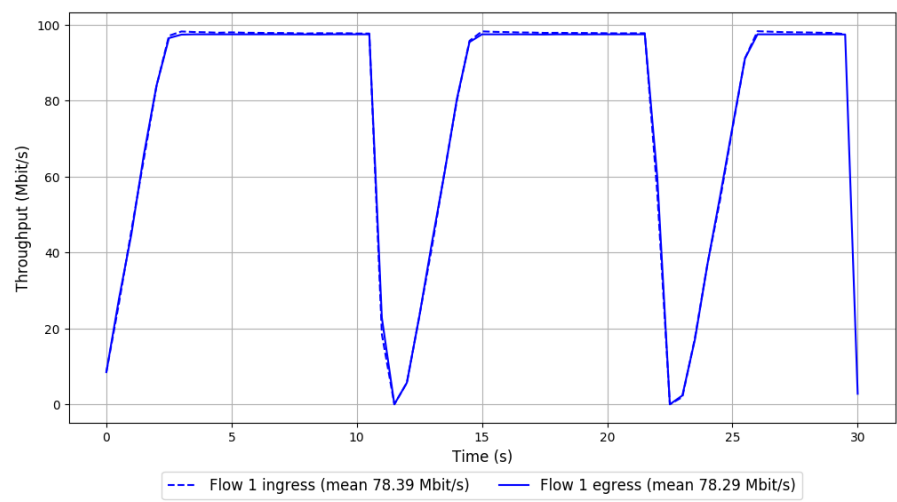
Run 9: Report of TCP Cubic — Data Link

```
Run 10: Statistics of TCP Cubic

Start at: 2017-12-11 16:22:31
End at: 2017-12-11 16:23:01
Local clock offset: -3.472 ms
Remote clock offset: -24.228 ms


# Below is generated by plot.py at 2017-12-11 16:53:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 27.188 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 27.188 ms
Loss rate: 0.22%
```
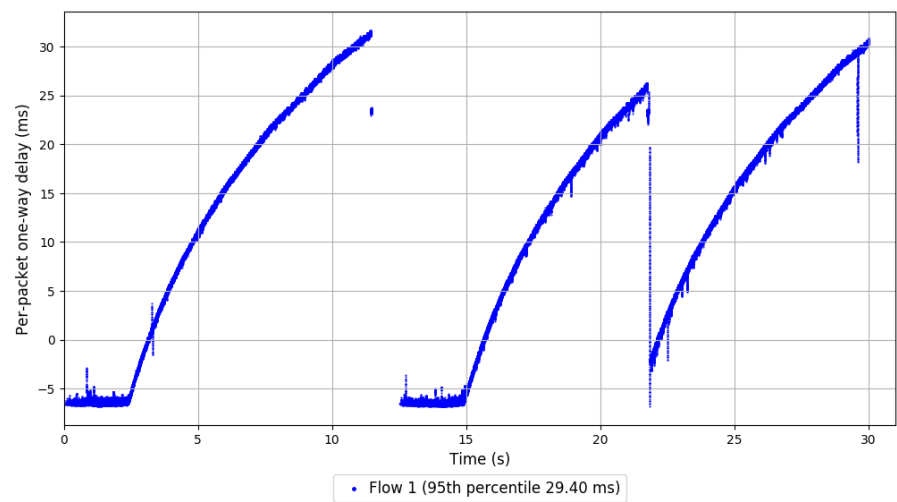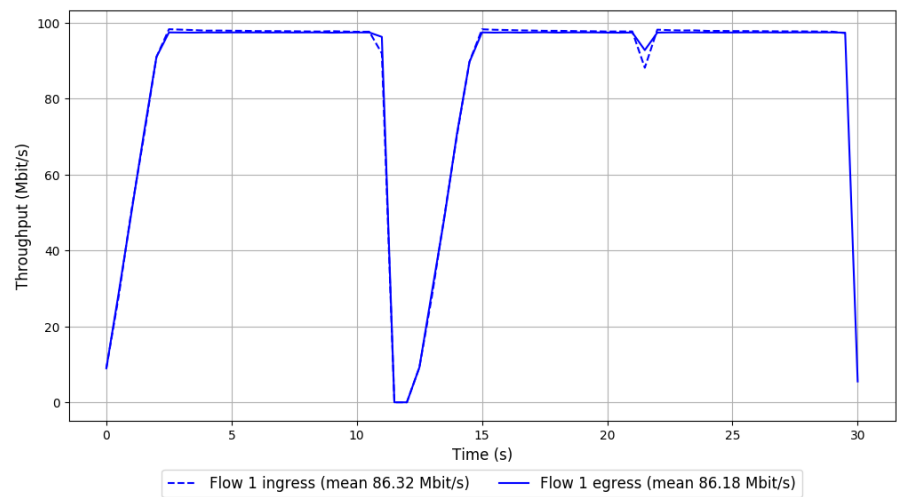
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.50 Mbit/s)   Flow 1 egress (mean 97.18 Mbit/s)

Flow 1 (95th percentile 27.19 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2017-12-11 13:54:22
End at: 2017-12-11 13:54:52
Local clock offset: -9.167 ms
Remote clock offset: -23.338 ms

# Below is generated by plot.py at 2017-12-11 16:53:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.29 Mbit/s
95th percentile per-packet one-way delay: 25.970 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 78.29 Mbit/s
95th percentile per-packet one-way delay: 25.970 ms
Loss rate: 0.04%
```

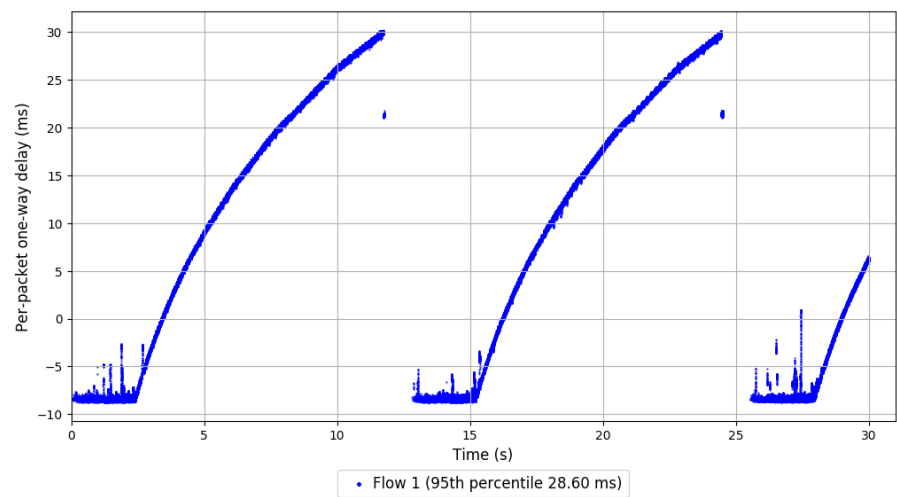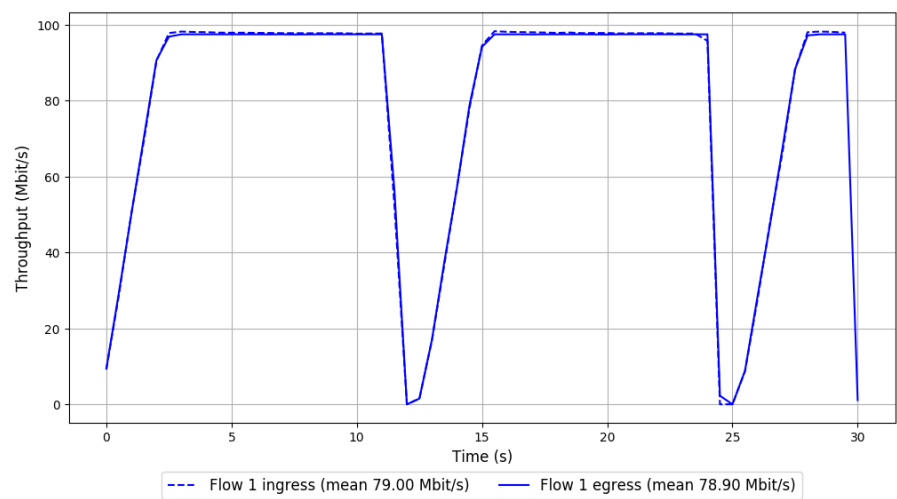# Run 1: Report of LEDBAT — Data Link
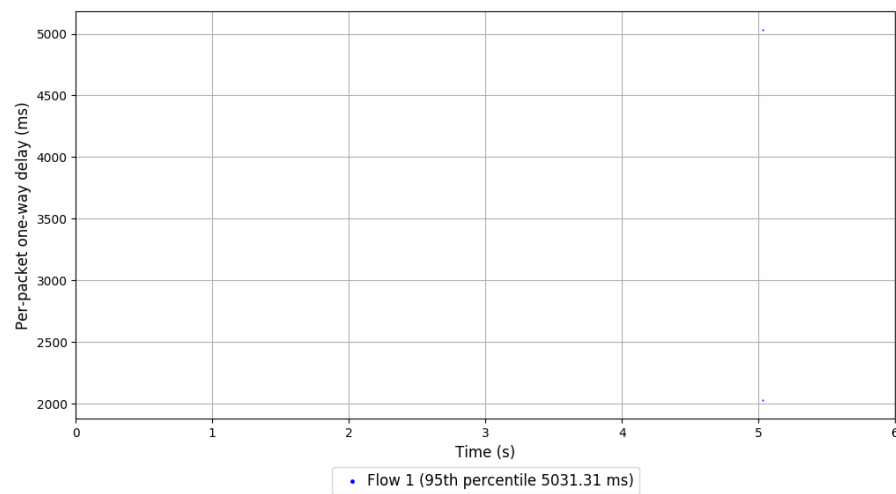
```
Run 2: Statistics of LEDBAT

Start at: 2017-12-11 14:11:26
End at: 2017-12-11 14:11:56
Local clock offset: -3.287 ms
Remote clock offset: -15.794 ms


# Below is generated by plot.py at 2017-12-11 16:53:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 29.401 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 86.18 Mbit/s
95th percentile per-packet one-way delay: 29.401 ms
Loss rate: 0.04%
```

Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 86.32 Mbit/s) ----   Flow 1 egress (mean 86.18 Mbit/s) ——

• Flow 1 (95th percentile 29.40 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2017-12-11 14:28:43
End at: 2017-12-11 14:29:13
Local clock offset: 0.343 ms
Remote clock offset: -13.267 ms


# Below is generated by plot.py at 2017-12-11 16:53:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 28.601 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 78.90 Mbit/s
95th percentile per-packet one-way delay: 28.601 ms
Loss rate: 0.07%
```

Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 79.00 Mbit/s)   Flow 1 egress (mean 78.90 Mbit/s)

Flow 1 (95th percentile 28.60 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2017-12-11 14:45:40
End at: 2017-12-11 14:46:10
Local clock offset: 0.132 ms
Remote clock offset: -16.07 ms
```
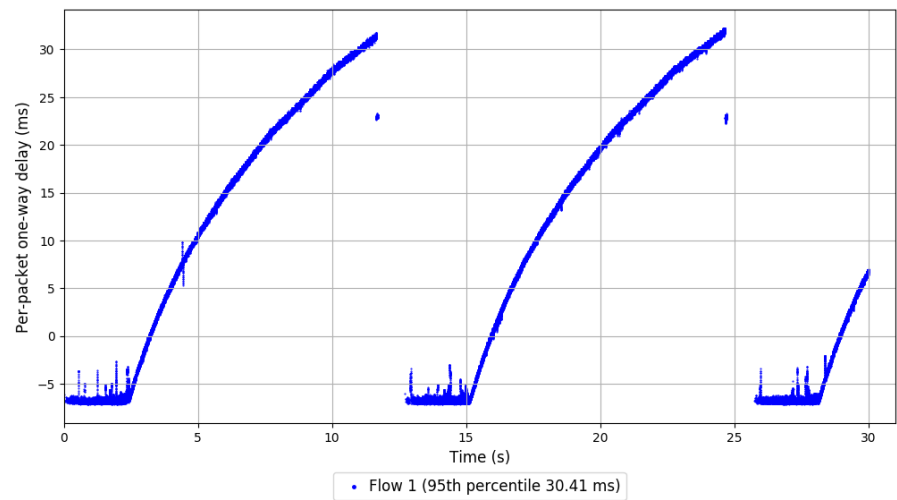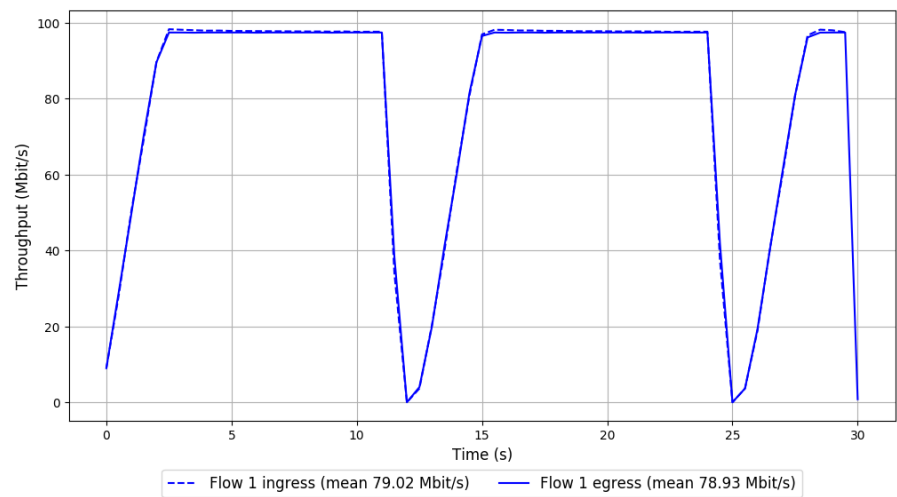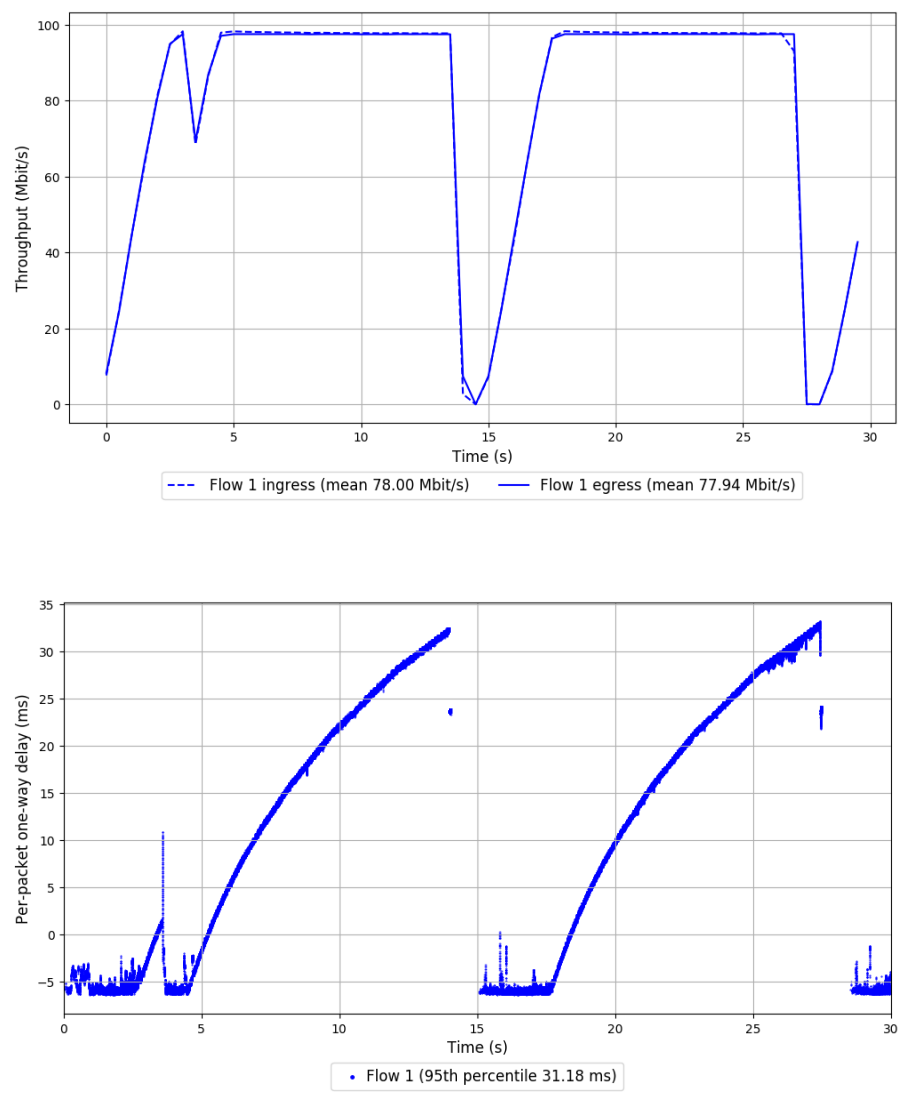
Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2017-12-11 15:02:37
End at: 2017-12-11 15:03:07
Local clock offset: -0.933 ms
Remote clock offset: -14.535 ms


# Below is generated by plot.py at 2017-12-11 16:53:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.93 Mbit/s
95th percentile per-packet one-way delay: 30.406 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 78.93 Mbit/s
95th percentile per-packet one-way delay: 30.406 ms
Loss rate: 0.07%
```
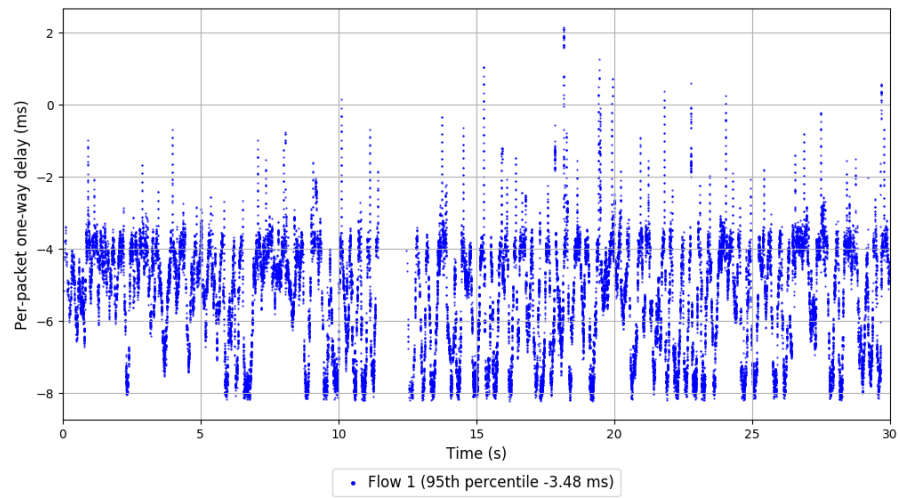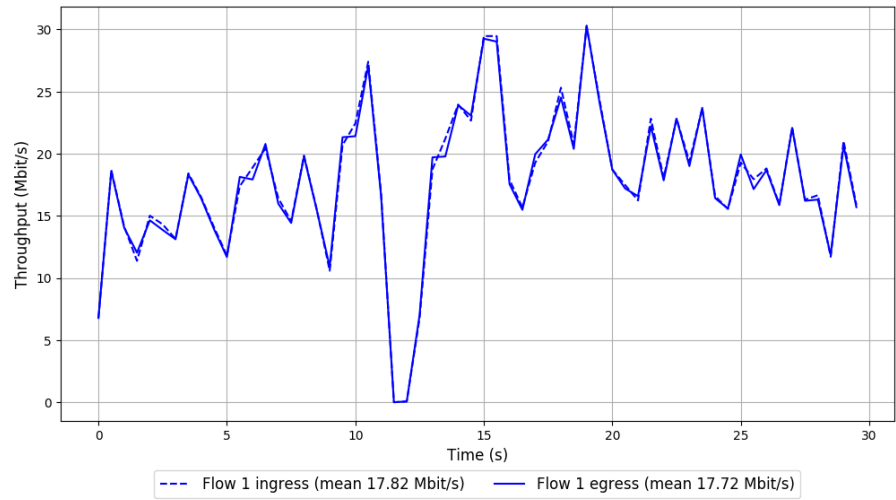
Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2017-12-11 15:19:39
End at: 2017-12-11 15:20:09
Local clock offset: -1.337 ms
Remote clock offset: -16.573 ms


# Below is generated by plot.py at 2017-12-11 16:53:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 31.181 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 31.181 ms
Loss rate: 0.08%
```

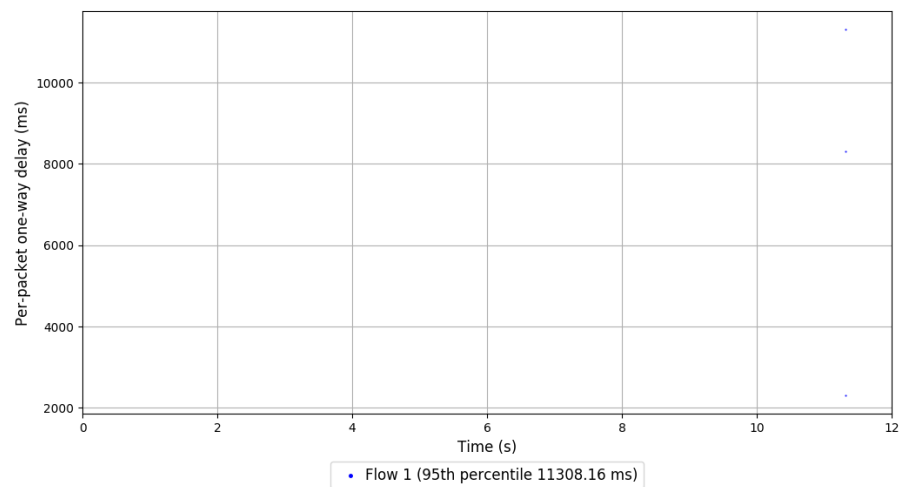Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: 2017-12-11 15:36:27
End at: 2017-12-11 15:36:57
Local clock offset: -0.37 ms
Remote clock offset: -17.98 ms


# Below is generated by plot.py at 2017-12-11 16:53:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.72 Mbit/s
95th percentile per-packet one-way delay: -3.484 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 17.72 Mbit/s
95th percentile per-packet one-way delay: -3.484 ms
Loss rate: 0.56%
```

Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 17.82 Mbit/s) --- Flow 1 egress (mean 17.72 Mbit/s)

• Flow 1 (95th percentile -3.48 ms)
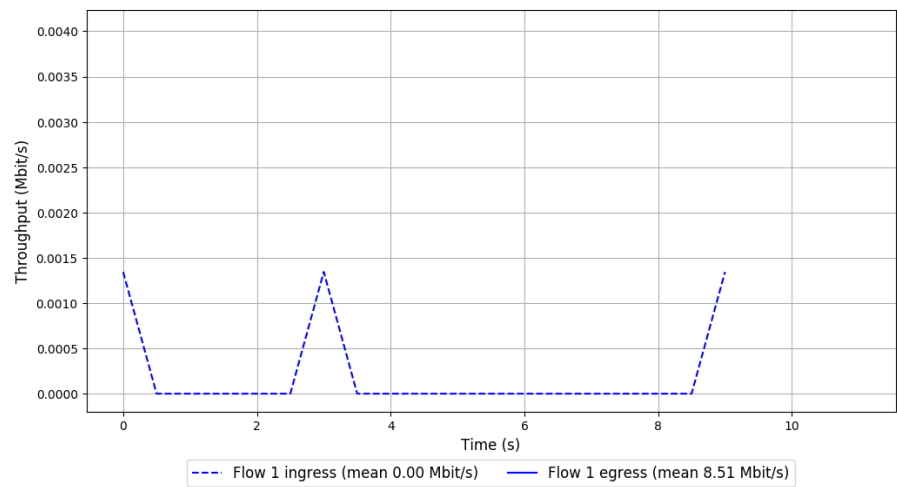
```
Run 8: Statistics of LEDBAT

Start at: 2017-12-11 15:52:50
End at: 2017-12-11 15:53:20
Local clock offset: 0.57 ms
Remote clock offset: -18.412 ms
```
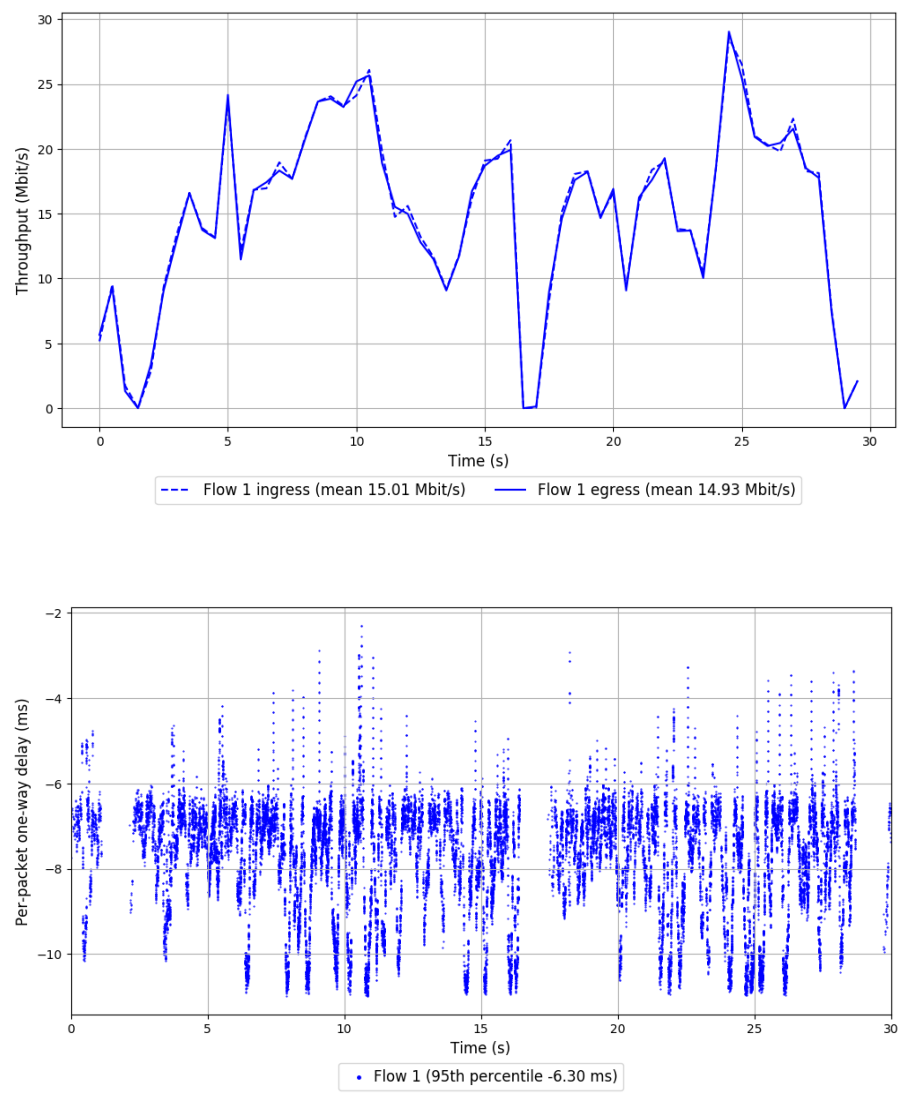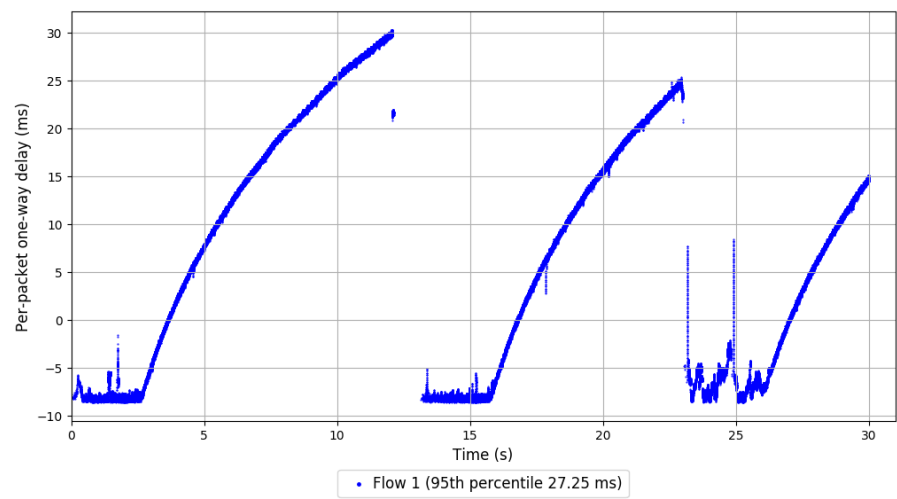
Run 8: Report of LEDBAT — Data Link

```
Run 9: Statistics of LEDBAT

Start at: 2017-12-11 16:09:12
End at: 2017-12-11 16:09:42
Local clock offset: 1.007 ms
Remote clock offset: -19.356 ms


# Below is generated by plot.py at 2017-12-11 16:53:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: -6.300 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: -6.300 ms
Loss rate: 0.55%
```

Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 15.01 Mbit/s) — — — Flow 1 egress (mean 14.93 Mbit/s)
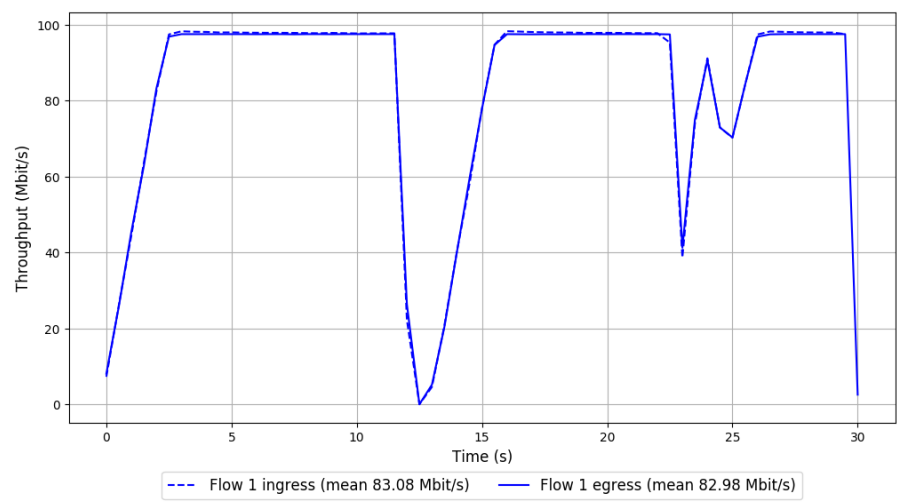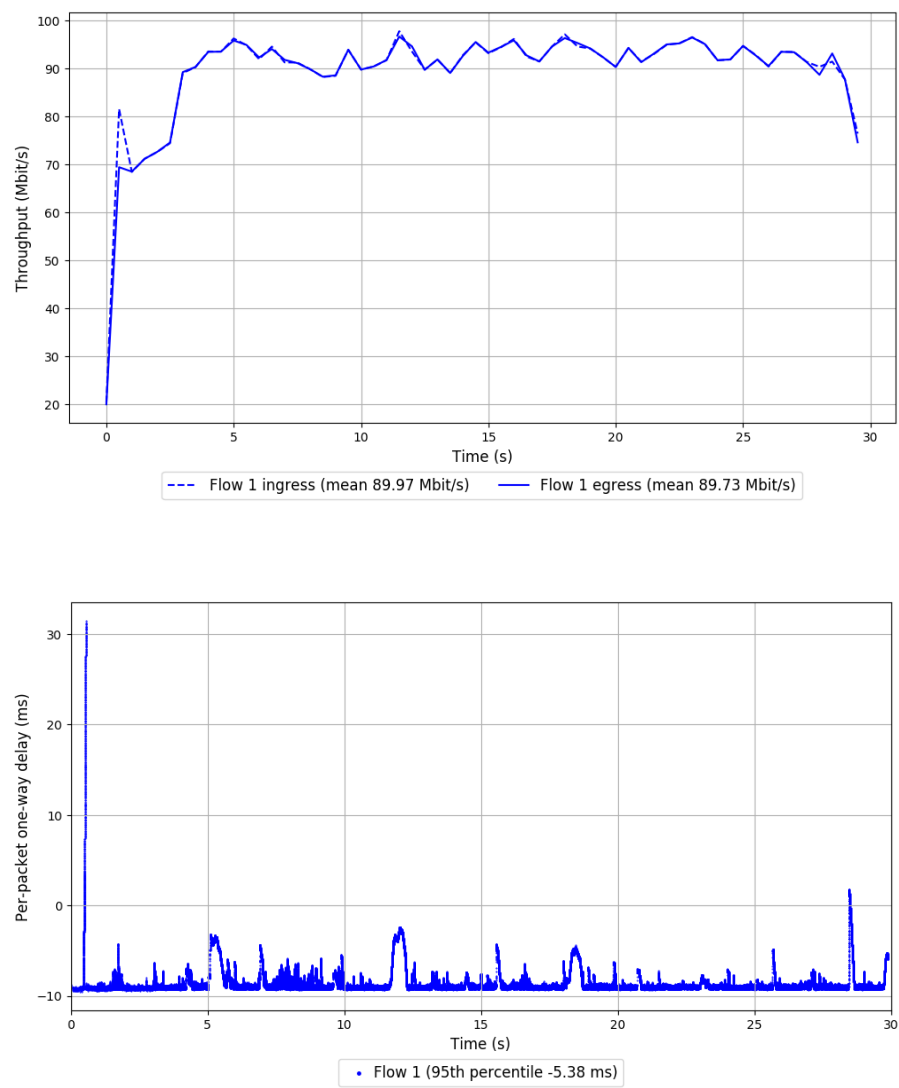

Flow 1 (95th percentile -6.30 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2017-12-11 16:26:13
End at: 2017-12-11 16:26:43
Local clock offset: 0.493 ms
Remote clock offset: -19.665 ms


# Below is generated by plot.py at 2017-12-11 16:53:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 27.245 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 27.245 ms
Loss rate: 0.04%
```
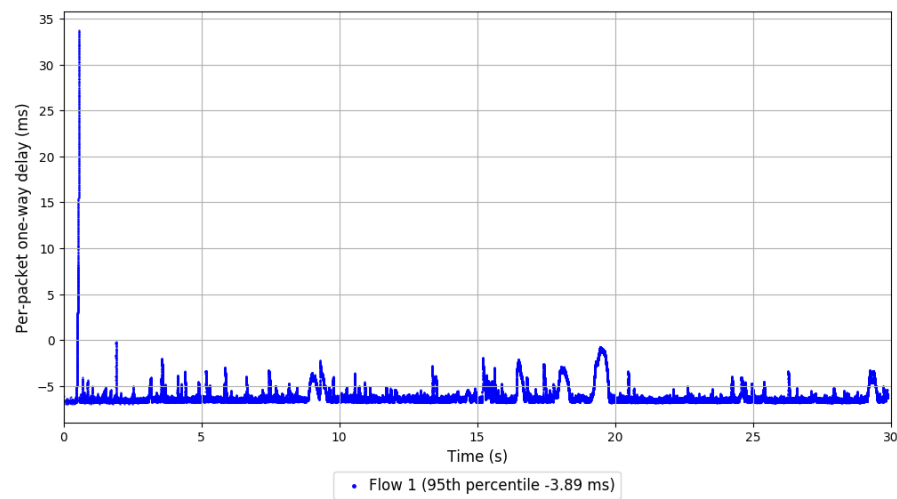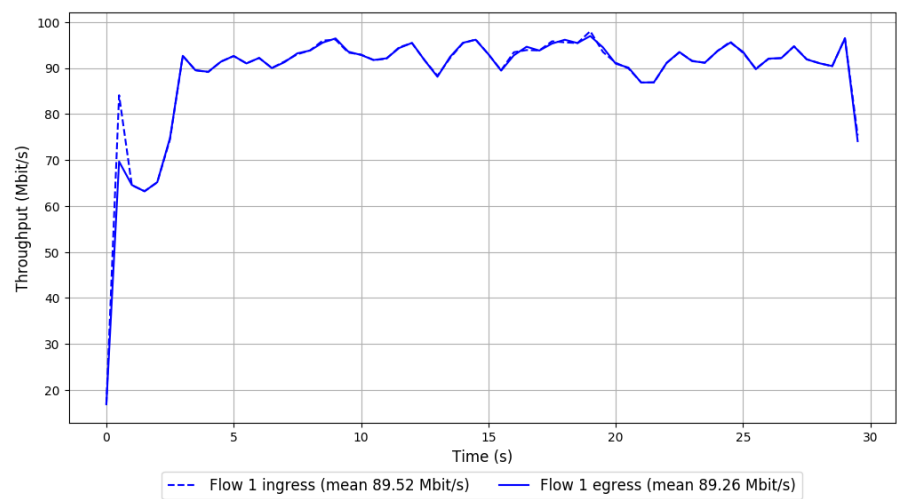
Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: 2017-12-11 13:53:06
End at: 2017-12-11 13:53:36
Local clock offset: 0.404 ms
Remote clock offset: -15.16 ms

# Below is generated by plot.py at 2017-12-11 16:53:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.73 Mbit/s
95th percentile per-packet one-way delay: -5.380 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 89.73 Mbit/s
95th percentile per-packet one-way delay: -5.380 ms
Loss rate: 0.26%
```
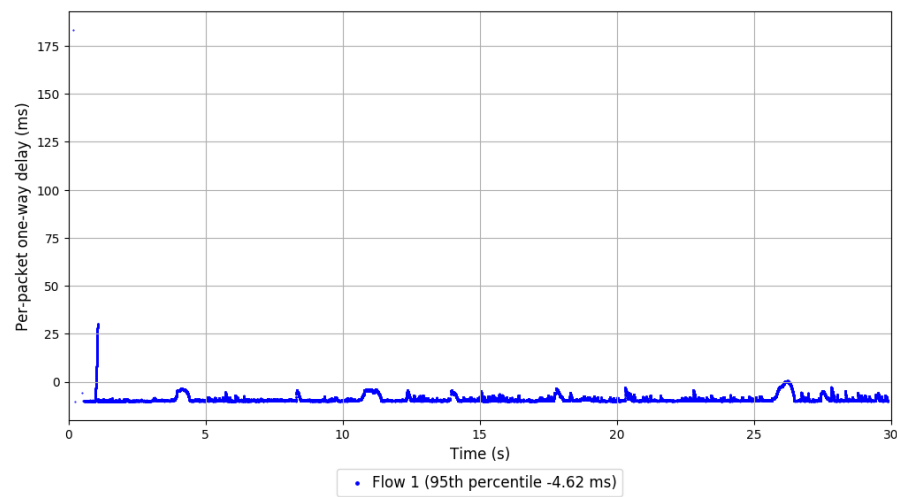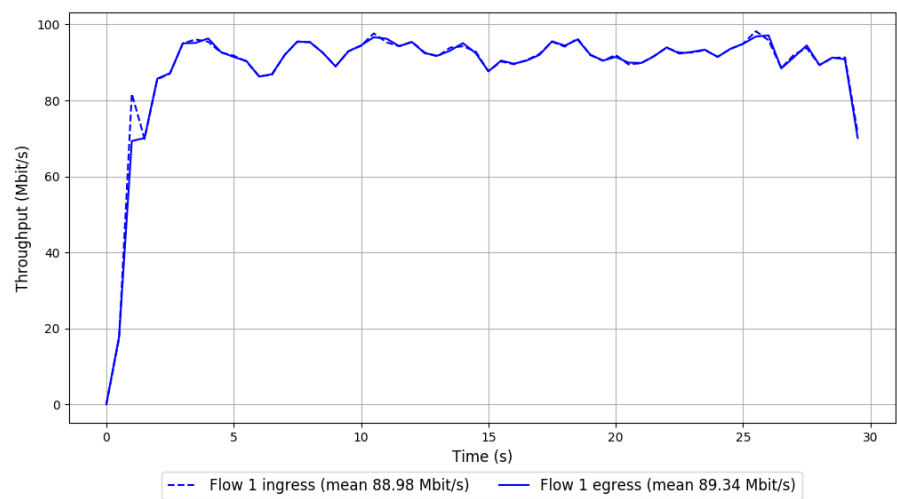
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 89.97 Mbit/s) — Flow 1 egress (mean 89.73 Mbit/s)

• Flow 1 (95th percentile -5.38 ms)

```
Run 2: Statistics of PCC

Start at: 2017-12-11 14:10:13
End at: 2017-12-11 14:10:43
Local clock offset: -2.856 ms
Remote clock offset: -16.589 ms

# Below is generated by plot.py at 2017-12-11 16:54:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: -3.888 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: -3.888 ms
Loss rate: 0.29%
```
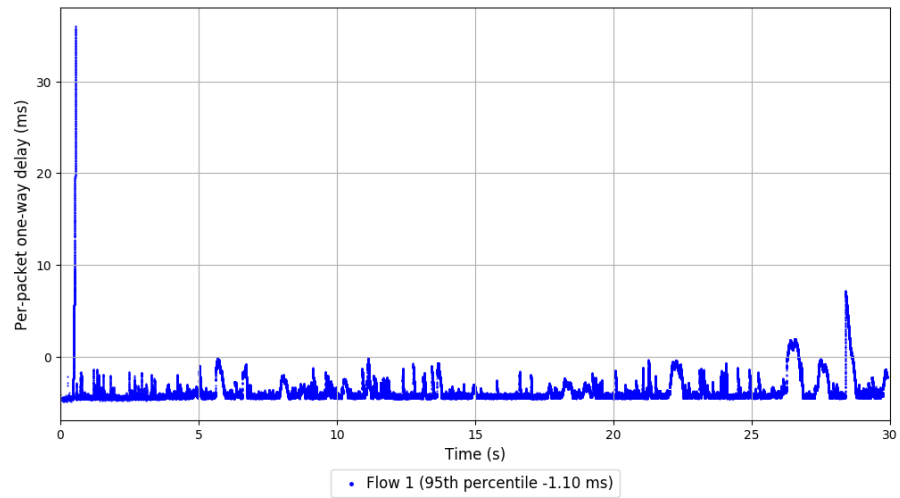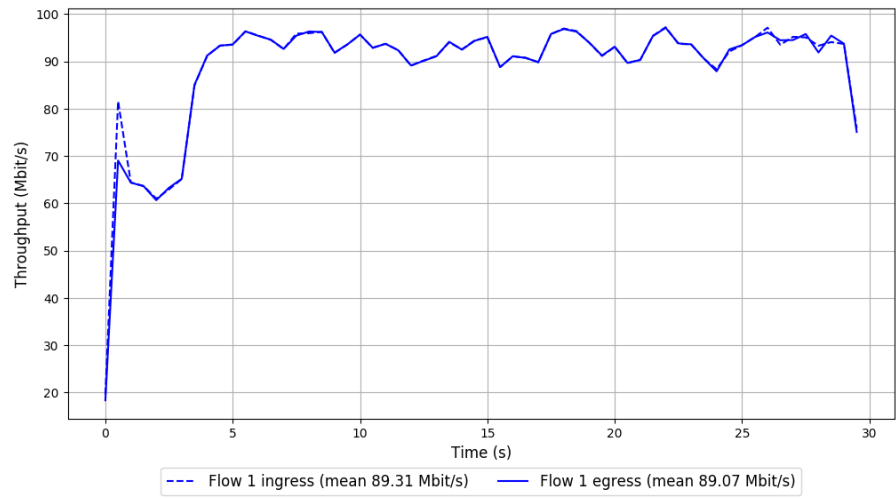
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 89.52 Mbit/s)   Flow 1 egress (mean 89.26 Mbit/s)

Flow 1 (95th percentile -3.89 ms)

```
Run 3: Statistics of PCC

Start at: 2017-12-11 14:27:33
End at: 2017-12-11 14:28:03
Local clock offset: 0.029 ms
Remote clock offset: -14.933 ms

# Below is generated by plot.py at 2017-12-11 16:54:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: -4.615 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 89.34 Mbit/s
95th percentile per-packet one-way delay: -4.615 ms
Loss rate: 0.25%
```
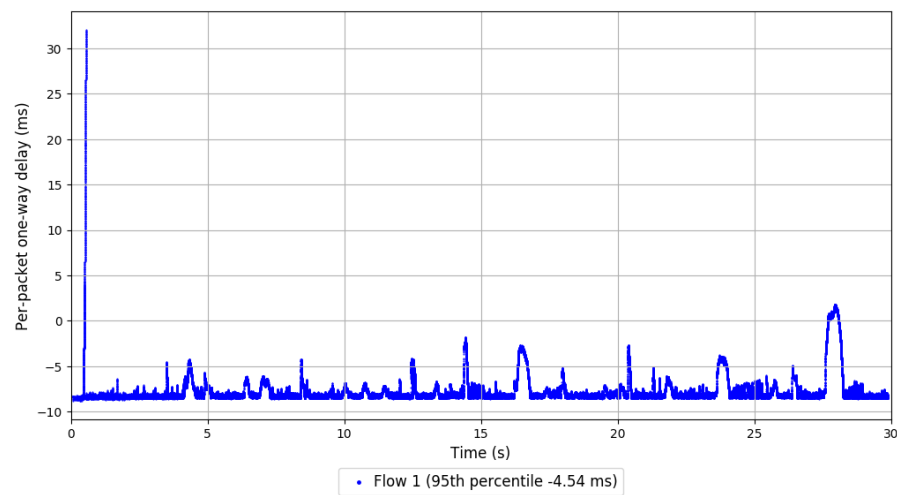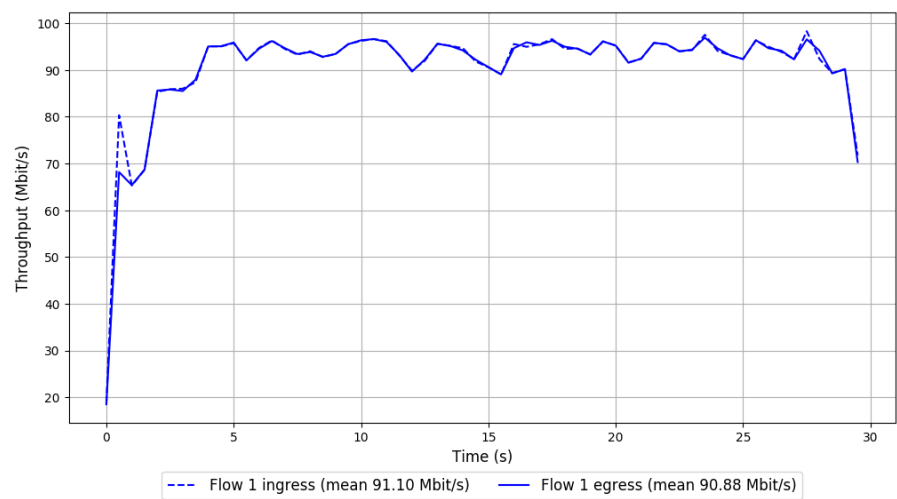
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 88.98 Mbit/s) --- Flow 1 egress (mean 89.34 Mbit/s)

Flow 1 (95th percentile -4.62 ms)

```
Run 4: Statistics of PCC

Start at: 2017-12-11 14:44:29
End at: 2017-12-11 14:44:59
Local clock offset: -3.044 ms
Remote clock offset: -13.273 ms


# Below is generated by plot.py at 2017-12-11 16:54:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: -1.098 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 89.07 Mbit/s
95th percentile per-packet one-way delay: -1.098 ms
Loss rate: 0.27%
```
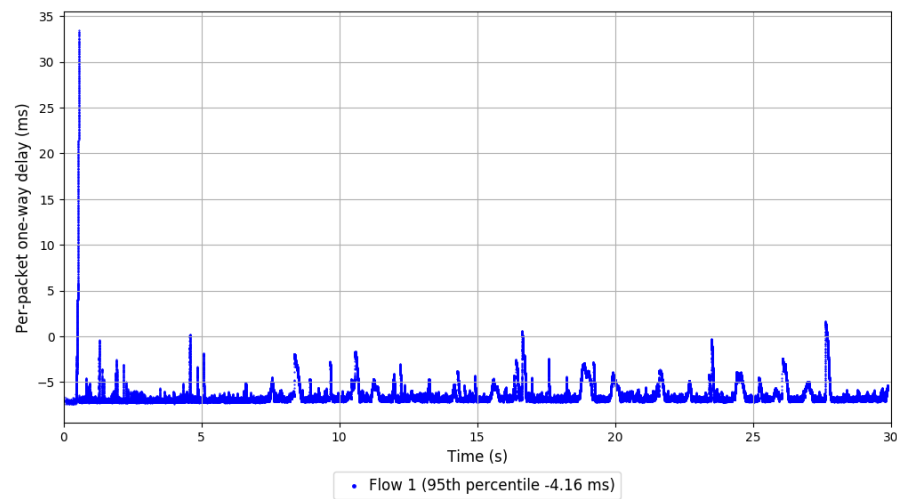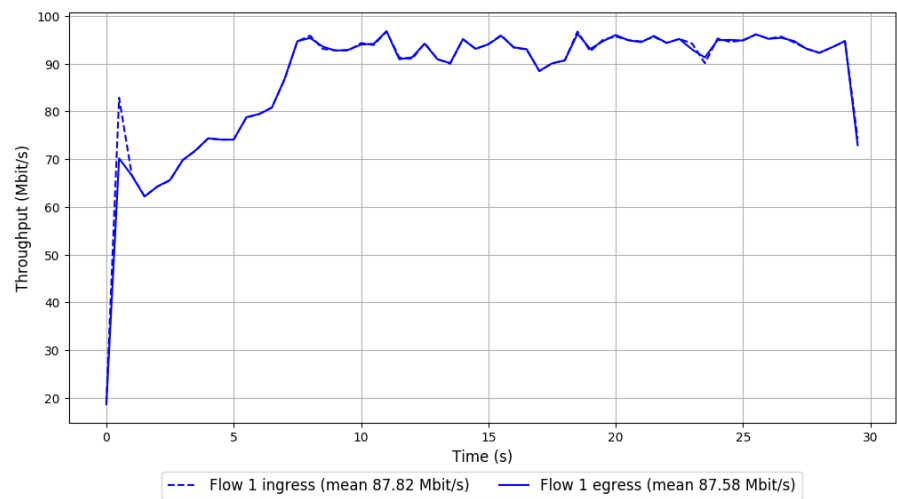
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 89.31 Mbit/s) ----   Flow 1 egress (mean 89.07 Mbit/s) ——

• Flow 1 (95th percentile -1.10 ms)

```
Run 5: Statistics of PCC

Start at: 2017-12-11 15:01:26
End at: 2017-12-11 15:01:56
Local clock offset: -0.166 ms
Remote clock offset: -15.187 ms


# Below is generated by plot.py at 2017-12-11 16:54:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: -4.542 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: -4.542 ms
Loss rate: 0.25%
```
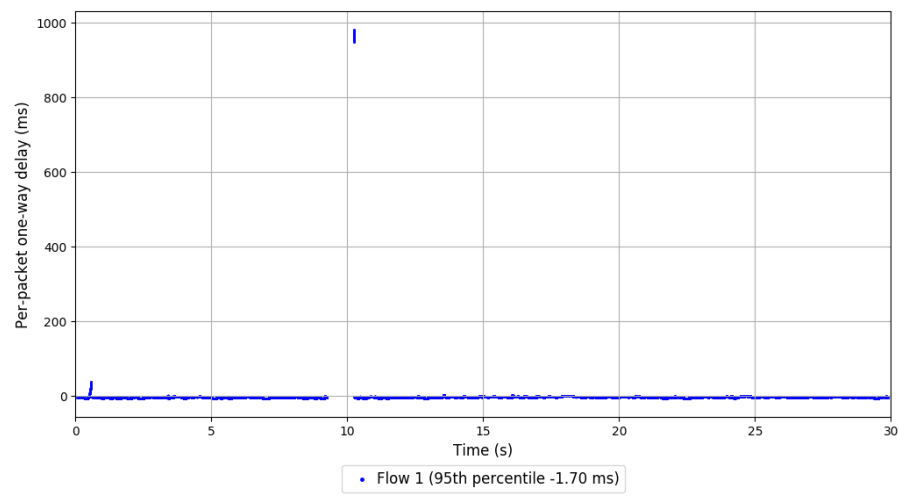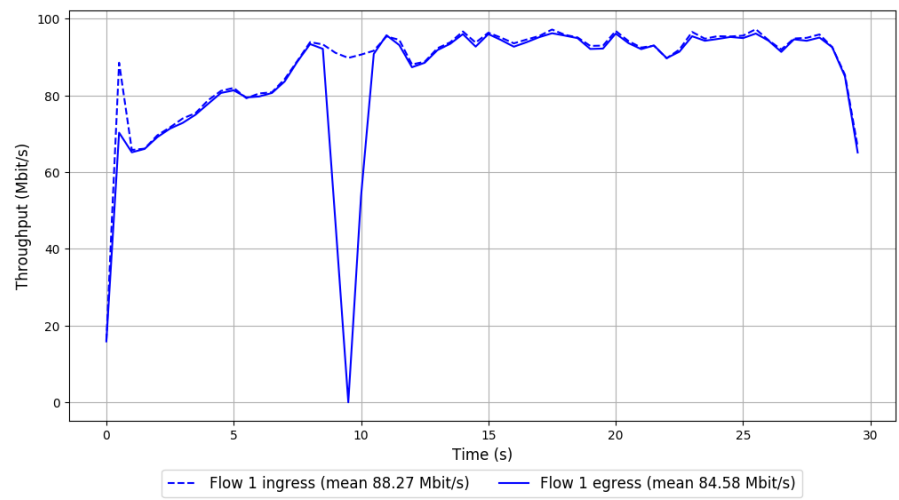
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 91.10 Mbit/s) --- Flow 1 egress (mean 90.88 Mbit/s)

Flow 1 (95th percentile -4.54 ms)

```
Run 6: Statistics of PCC

Start at: 2017-12-11 15:18:28
End at: 2017-12-11 15:18:58
Local clock offset: 0.052 ms
Remote clock offset: -15.953 ms


# Below is generated by plot.py at 2017-12-11 16:54:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: -4.164 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: -4.164 ms
Loss rate: 0.27%
```
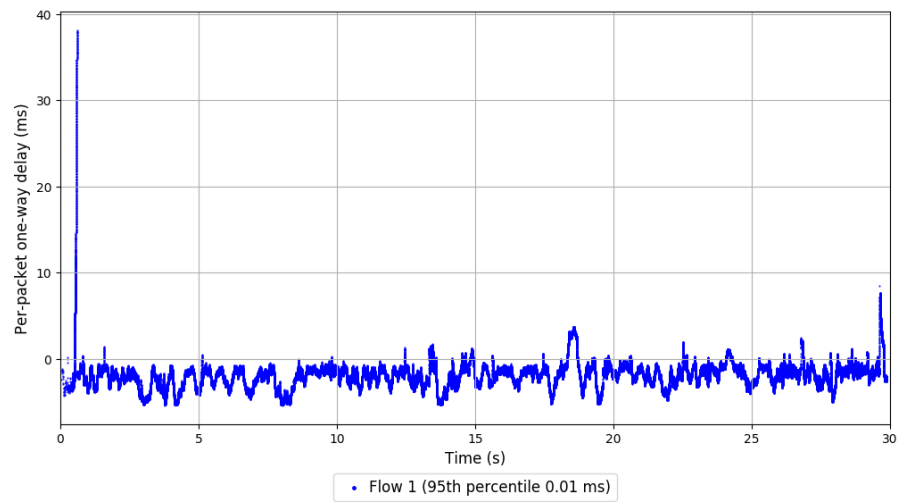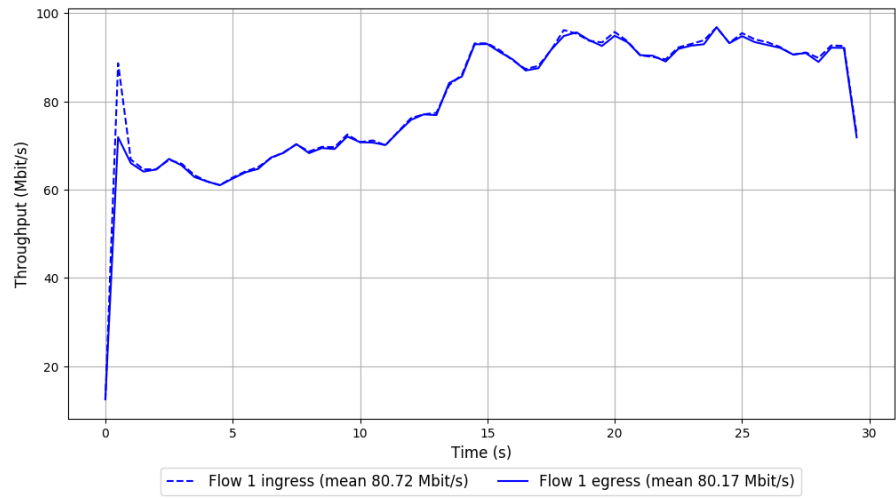
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 87.82 Mbit/s)   Flow 1 egress (mean 87.58 Mbit/s)

Flow 1 (95th percentile -4.16 ms)

```
Run 7: Statistics of PCC

Start at: 2017-12-11 15:35:15
End at: 2017-12-11 15:35:45
Local clock offset: -0.565 ms
Remote clock offset: -16.731 ms


# Below is generated by plot.py at 2017-12-11 16:54:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: -1.703 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 84.58 Mbit/s
95th percentile per-packet one-way delay: -1.703 ms
Loss rate: 4.18%
```

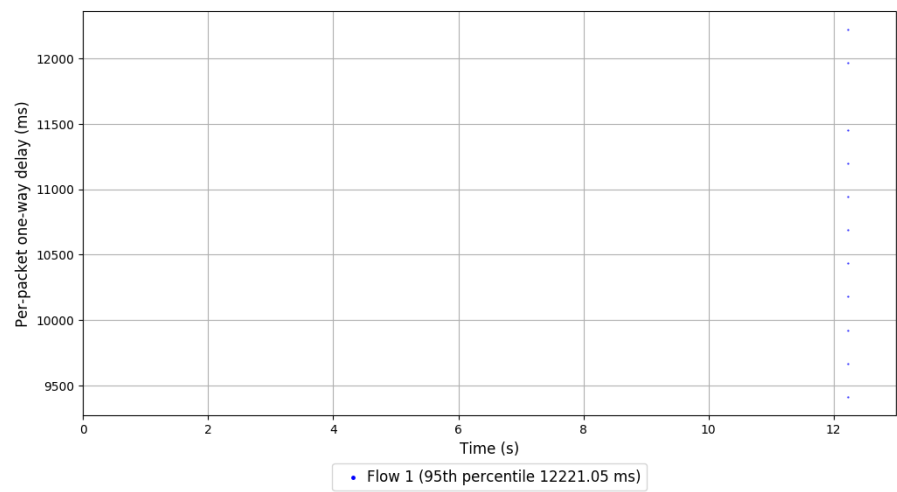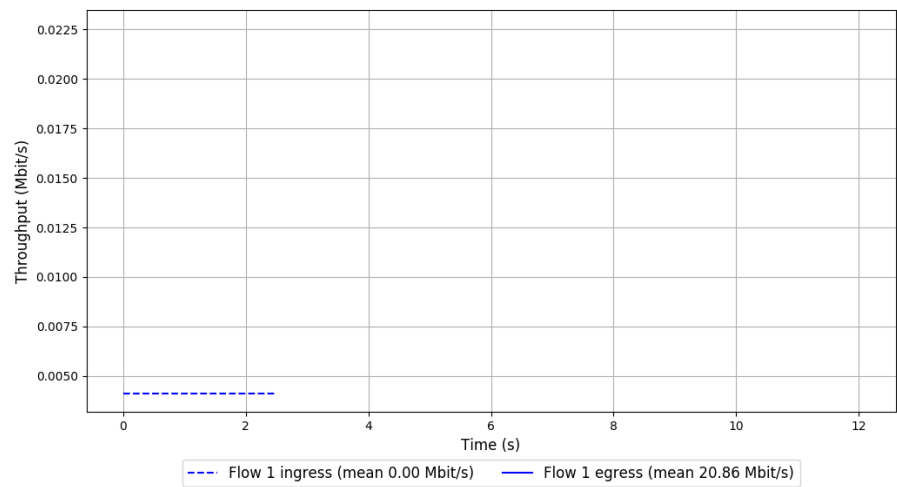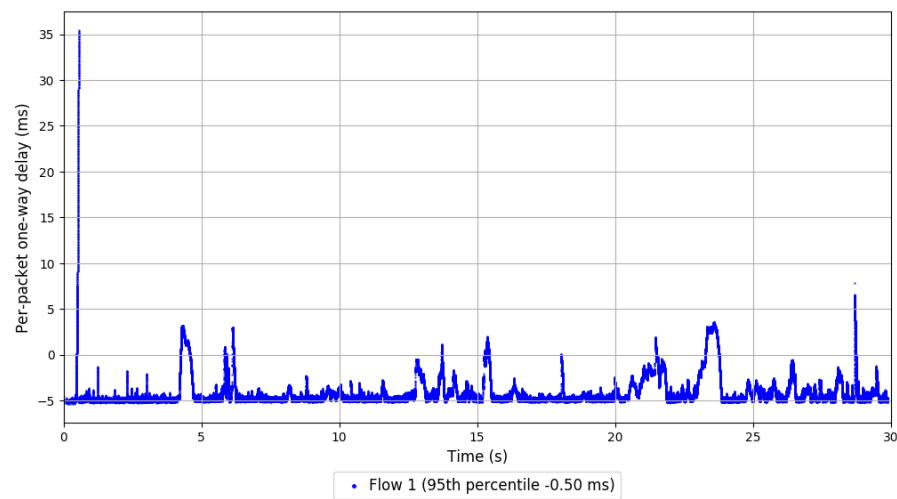# Run 7: Report of PCC — Data Link

```
Run 8: Statistics of PCC

Start at: 2017-12-11 15:51:35
End at: 2017-12-11 15:52:05
Local clock offset: -2.497 ms
Remote clock offset: -17.127 ms


# Below is generated by plot.py at 2017-12-11 16:54:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.17 Mbit/s
95th percentile per-packet one-way delay: 0.012 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 80.17 Mbit/s
95th percentile per-packet one-way delay: 0.012 ms
Loss rate: 0.68%
```

Run 8: Report of PCC — Data Link

```
Run 9: Statistics of PCC

Start at: 2017-12-11 16:08:07
End at: 2017-12-11 16:08:37
Local clock offset: -0.319 ms
Remote clock offset: -18.549 ms
```
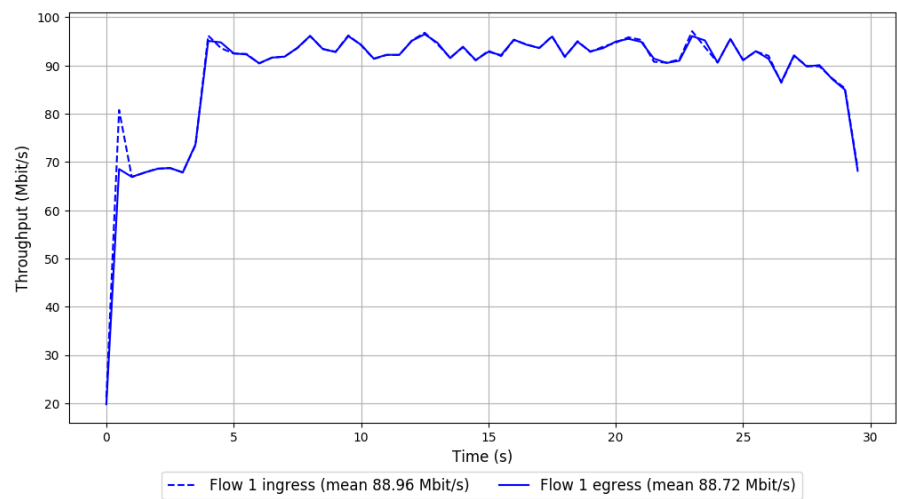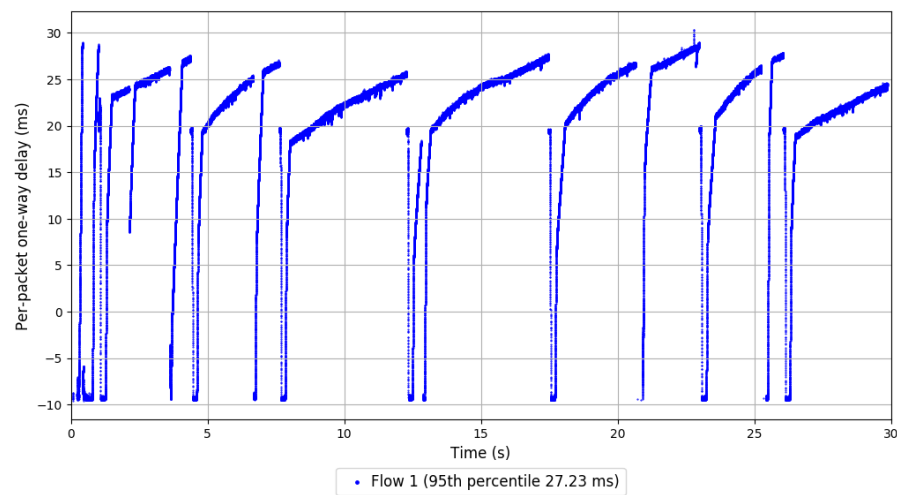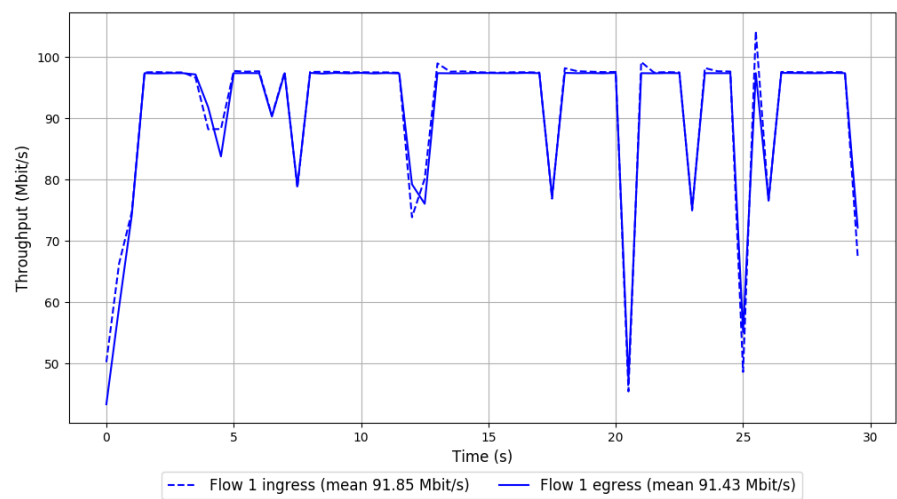
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 20.86 Mbit/s)

Flow 1 (95th percentile 12221.05 ms)

```
Run 10: Statistics of PCC

Start at: 2017-12-11 16:25:03
End at: 2017-12-11 16:25:33
Local clock offset: -2.211 ms
Remote clock offset: -18.056 ms


# Below is generated by plot.py at 2017-12-11 16:54:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: -0.503 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: -0.503 ms
Loss rate: 0.28%
```

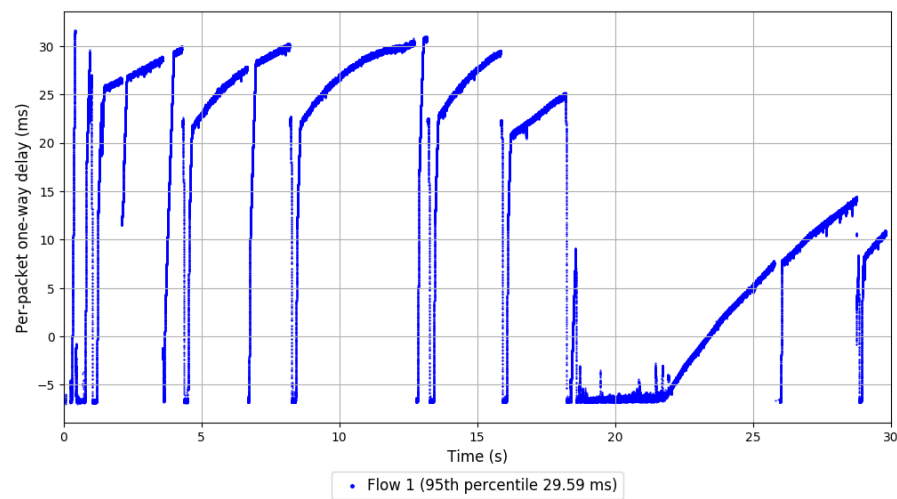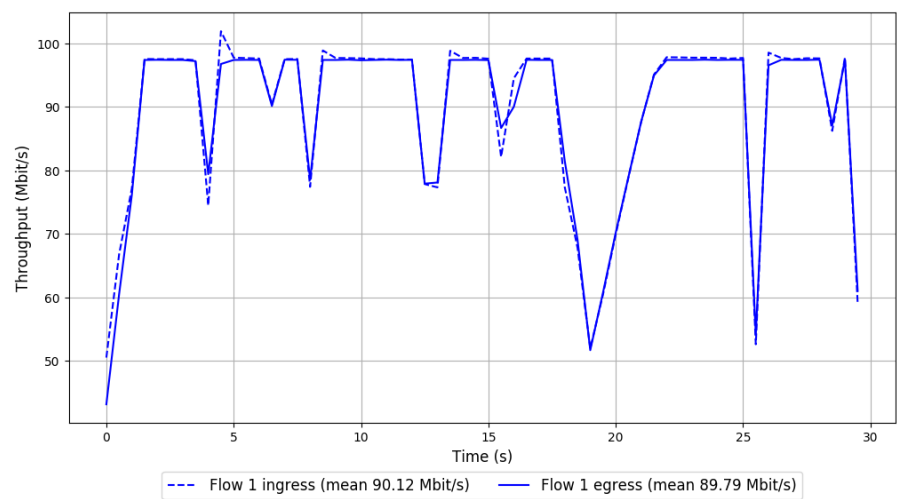Run 10: Report of PCC — Data Link

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-12-11 13:44:32
End at: 2017-12-11 13:45:02
Local clock offset: -0.593 ms
Remote clock offset: -14.652 ms


# Below is generated by plot.py at 2017-12-11 16:55:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 27.233 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 27.233 ms
Loss rate: 0.35%
```

Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2017-12-11 14:01:53
End at: 2017-12-11 14:02:23
Local clock offset: -2.861 ms
Remote clock offset: -15.254 ms


# Below is generated by plot.py at 2017-12-11 16:55:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 29.594 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 29.594 ms
Loss rate: 0.30%
```
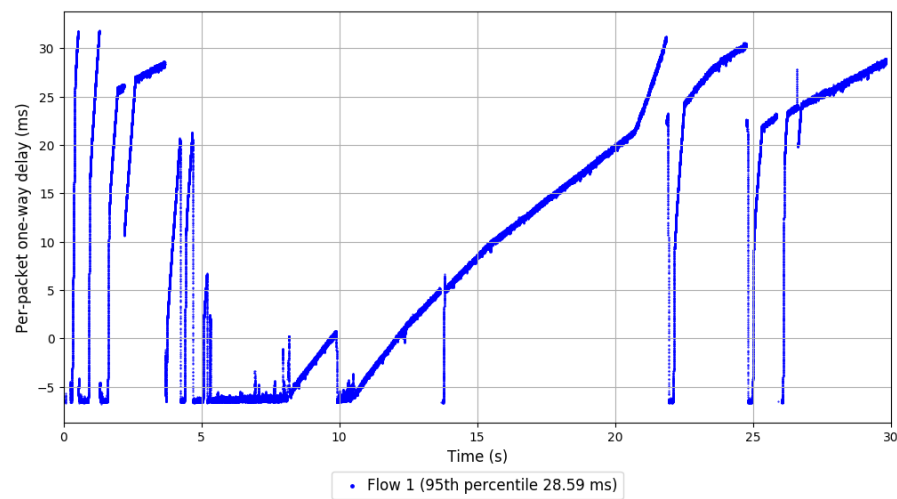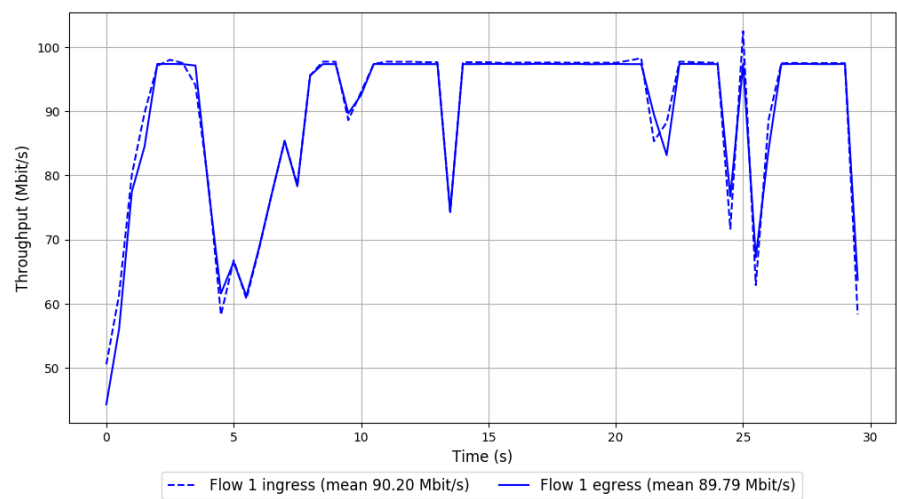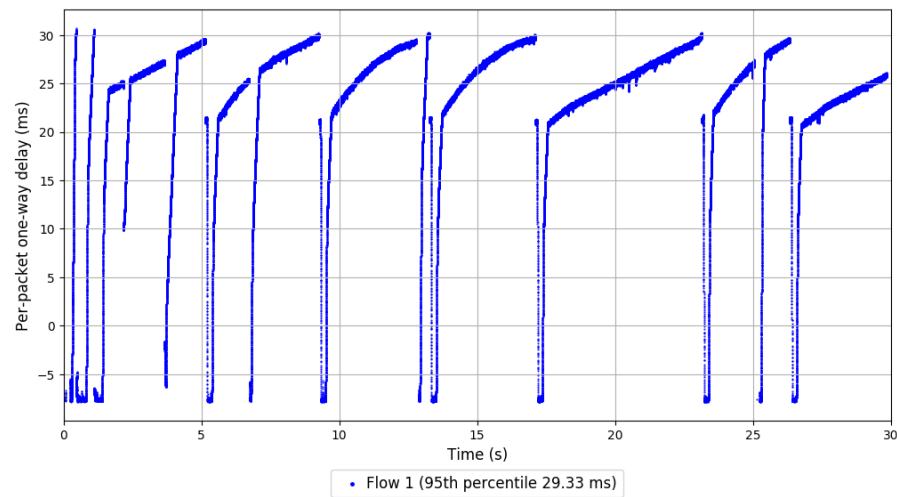
Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2017-12-11 14:19:01
End at: 2017-12-11 14:19:31
Local clock offset: -1.85 ms
Remote clock offset: -14.85 ms


# Below is generated by plot.py at 2017-12-11 16:55:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 28.593 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 28.593 ms
Loss rate: 0.34%
```

Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 90.20 Mbit/s) --- Flow 1 egress (mean 89.79 Mbit/s)

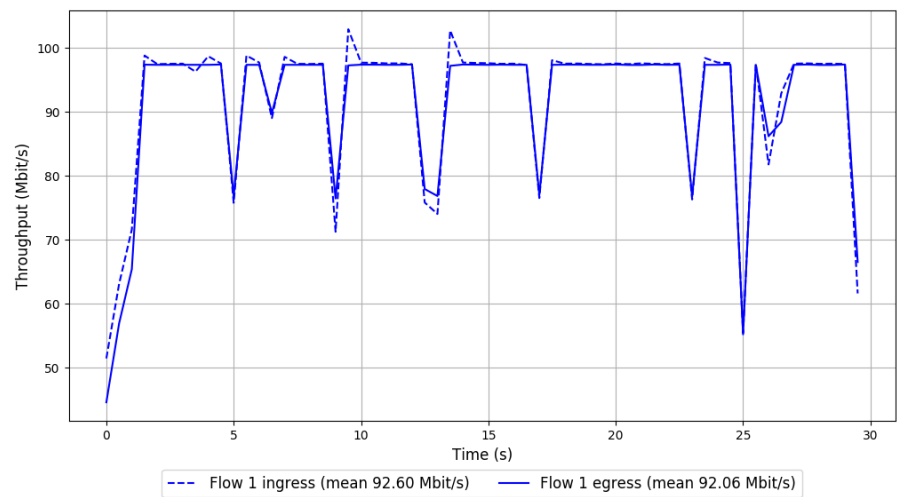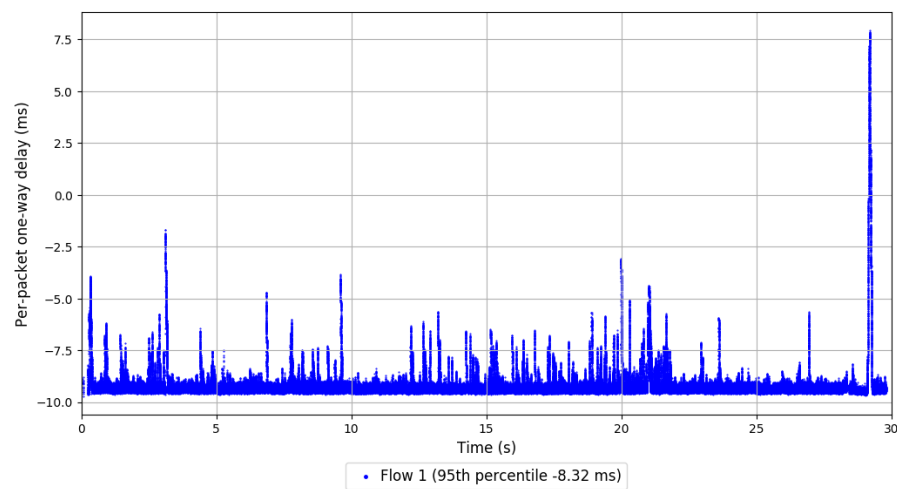

Flow 1 (95th percentile 28.59 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-12-11 14:36:10
End at: 2017-12-11 14:36:40
Local clock offset: 0.126 ms
Remote clock offset: -13.765 ms

# Below is generated by plot.py at 2017-12-11 16:55:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 29.327 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 92.06 Mbit/s
95th percentile per-packet one-way delay: 29.327 ms
Loss rate: 0.47%
```

Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 92.60 Mbit/s)   Flow 1 egress (mean 92.06 Mbit/s)

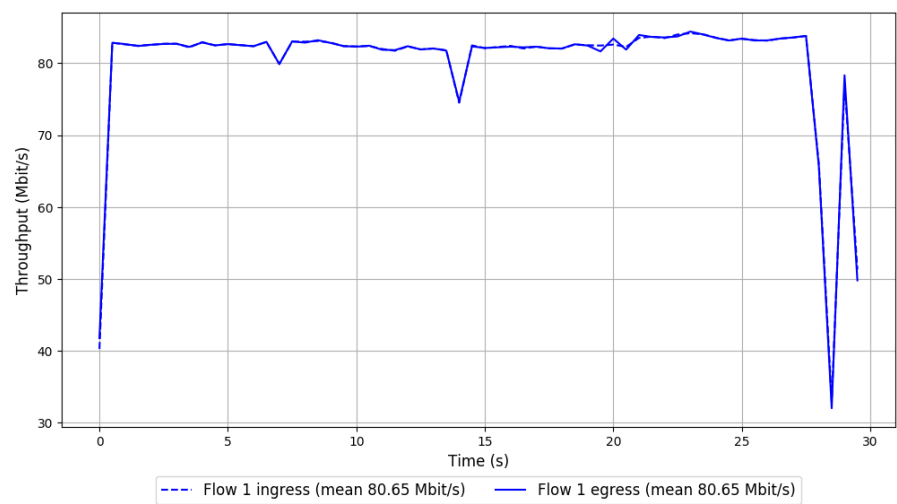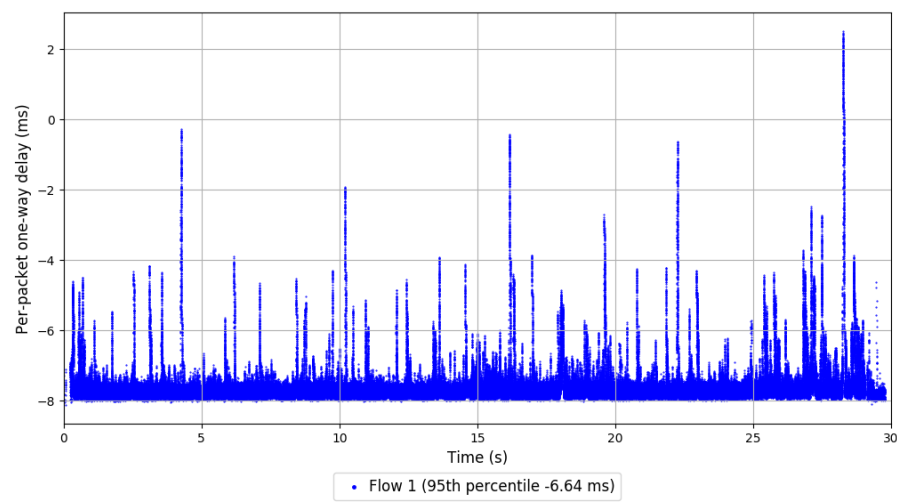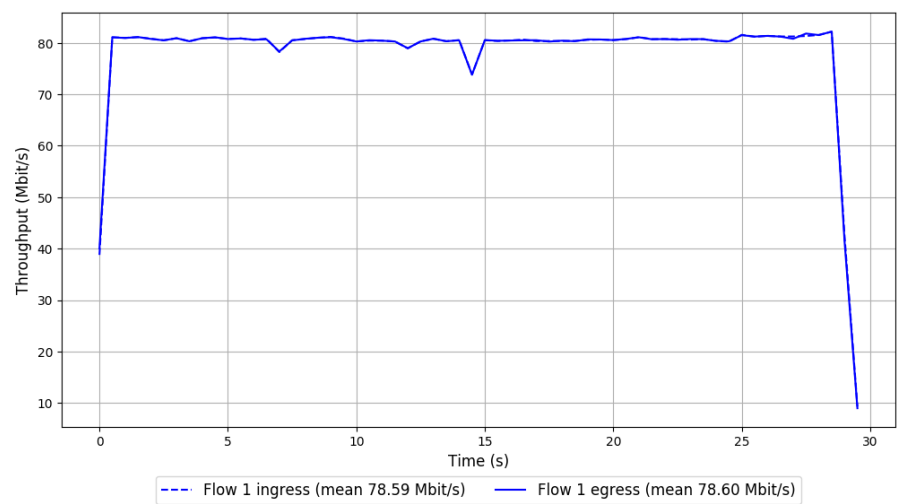
• Flow 1 (95th percentile 29.33 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2017-12-11 14:52:53
End at: 2017-12-11 14:53:23
Local clock offset: 0.354 ms
Remote clock offset: -15.224 ms

# Below is generated by plot.py at 2017-12-11 16:55:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.65 Mbit/s
95th percentile per-packet one-way delay: -8.322 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.65 Mbit/s
95th percentile per-packet one-way delay: -8.322 ms
Loss rate: 0.00%
```
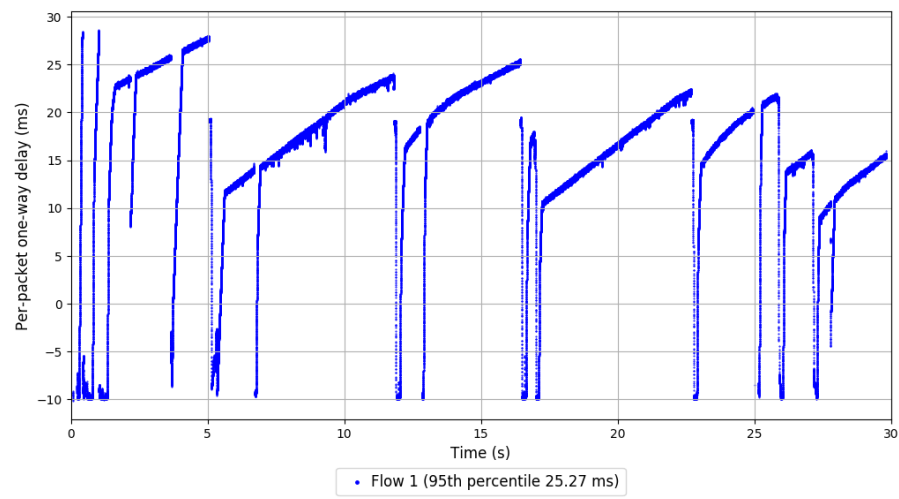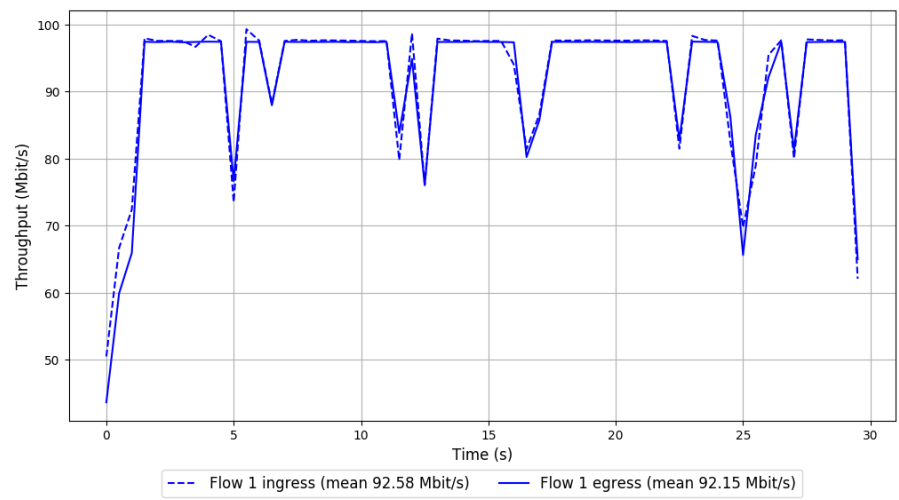
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 80.65 Mbit/s)   Flow 1 egress (mean 80.65 Mbit/s)

Flow 1 (95th percentile -8.32 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2017-12-11 15:10:03
End at: 2017-12-11 15:10:33
Local clock offset: 0.345 ms
Remote clock offset: -15.549 ms

# Below is generated by plot.py at 2017-12-11 16:55:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: -6.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: -6.645 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 78.59 Mbit/s)   Flow 1 egress (mean 78.60 Mbit/s)

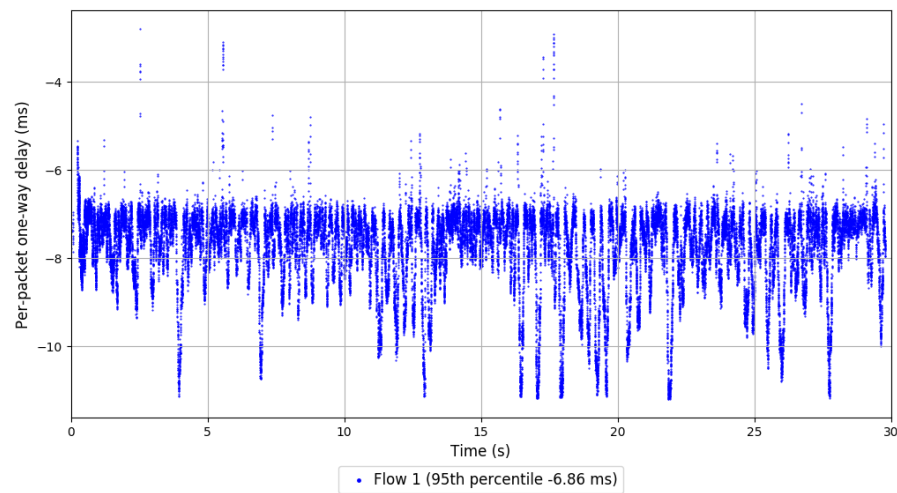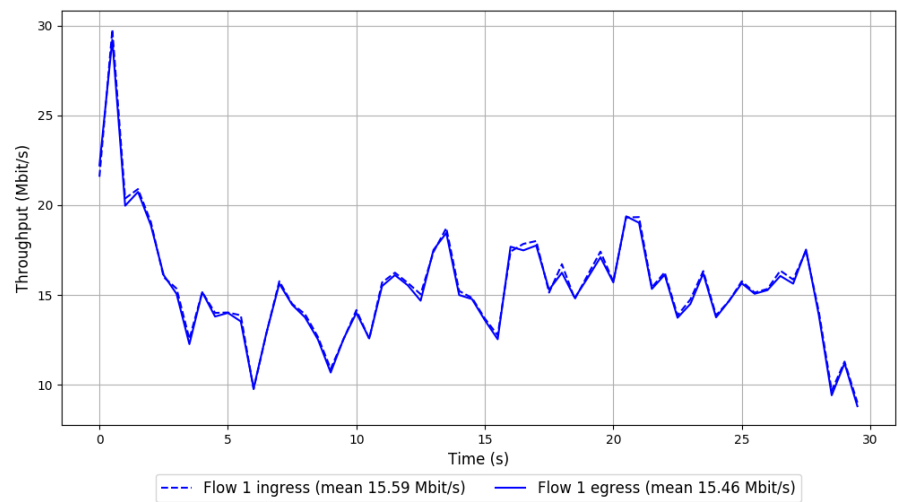
Flow 1 (95th percentile -6.64 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-12-11 15:27:16
End at: 2017-12-11 15:27:46
Local clock offset: 0.698 ms
Remote clock offset: -18.132 ms


# Below is generated by plot.py at 2017-12-11 16:56:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 25.274 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 25.274 ms
Loss rate: 0.38%
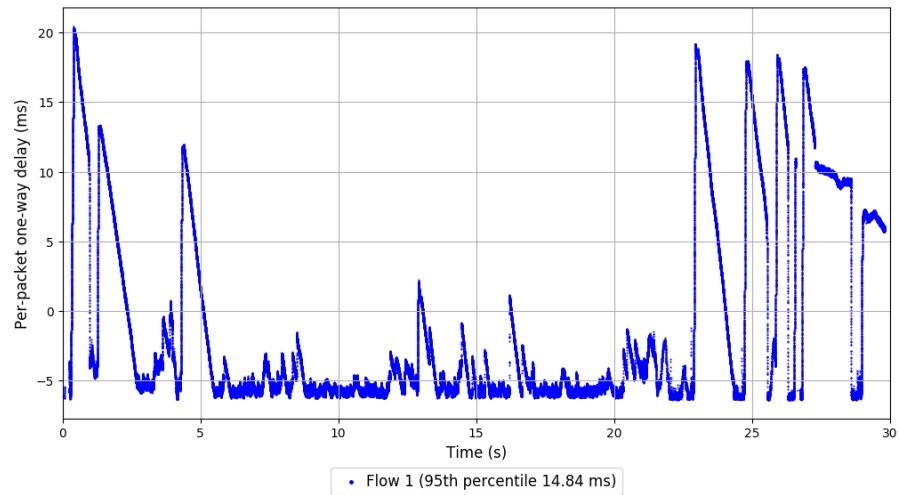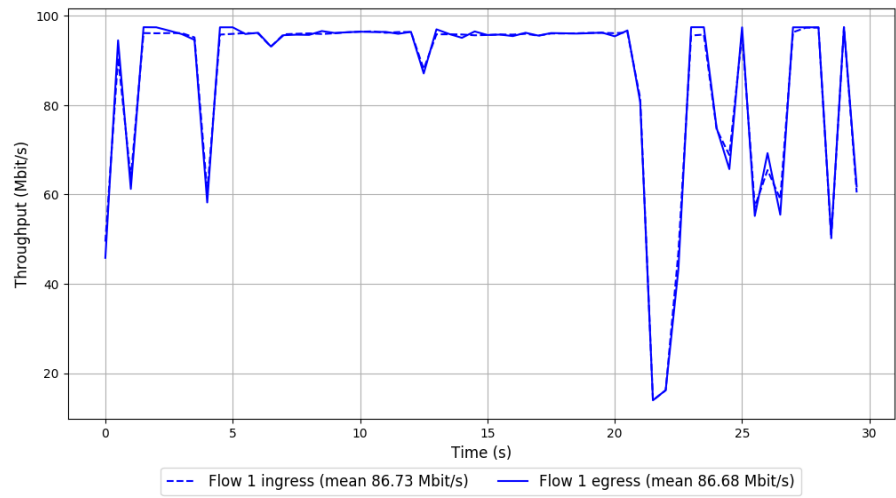```

Run 7: Report of QUIC Cubic — Data Link

```
Run 8: Statistics of QUIC Cubic

Start at: 2017-12-11 15:43:40
End at: 2017-12-11 15:44:11
Local clock offset: 2.128 ms
Remote clock offset: -17.369 ms


# Below is generated by plot.py at 2017-12-11 16:56:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: -6.862 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 15.46 Mbit/s
95th percentile per-packet one-way delay: -6.862 ms
Loss rate: 0.83%
```

Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 15.59 Mbit/s) --- Flow 1 egress (mean 15.46 Mbit/s)

• Flow 1 (95th percentile -6.86 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-12-11 16:00:01
End at: 2017-12-11 16:00:31
Local clock offset: -1.874 ms
Remote clock offset: -16.922 ms


# Below is generated by plot.py at 2017-12-11 16:56:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 14.844 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 14.844 ms
Loss rate: 0.01%
```
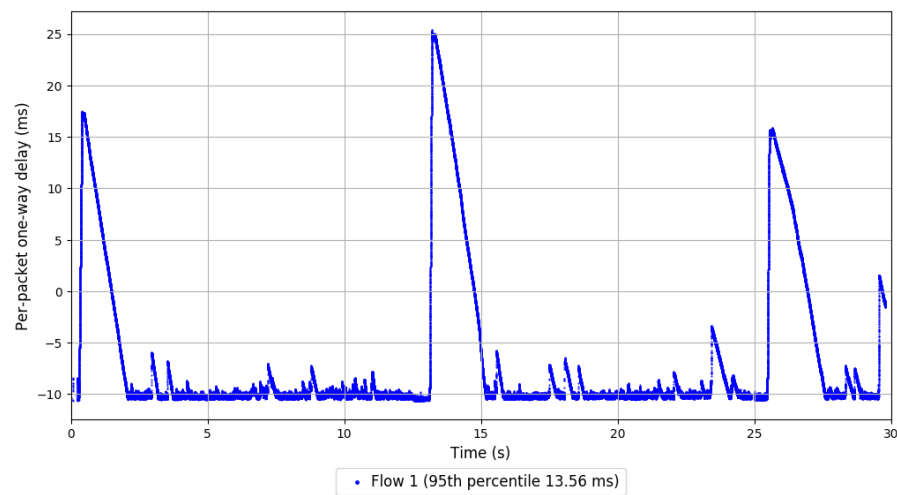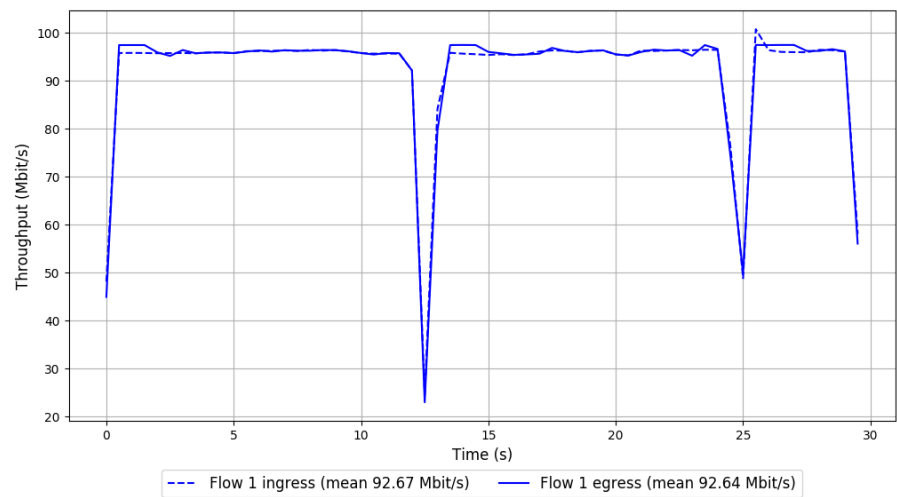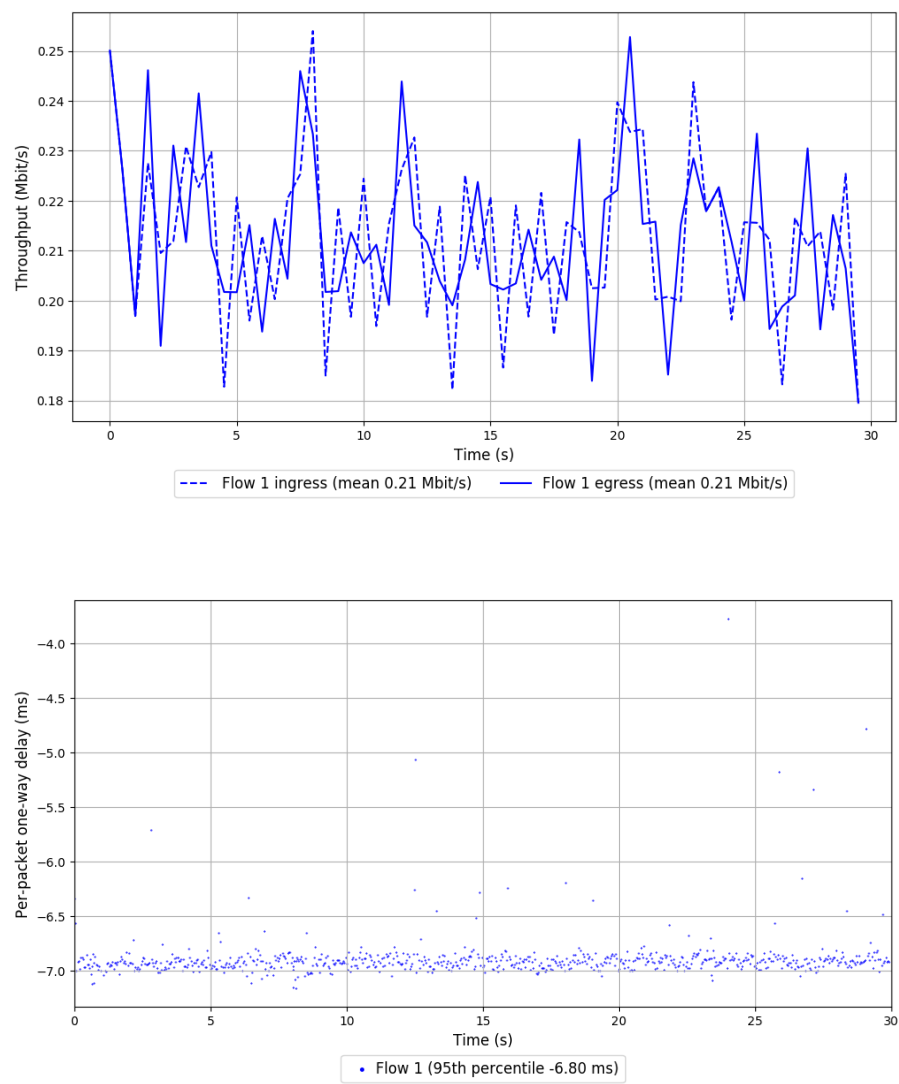
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 86.73 Mbit/s) --- Flow 1 egress (mean 86.68 Mbit/s)

• Flow 1 (95th percentile 14.84 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-12-11 16:16:35
End at: 2017-12-11 16:17:05
Local clock offset: 1.201 ms
Remote clock offset: -20.136 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 13.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 13.561 ms
Loss rate: 0.00%
```

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 92.67 Mbit/s)   Flow 1 egress (mean 92.64 Mbit/s)
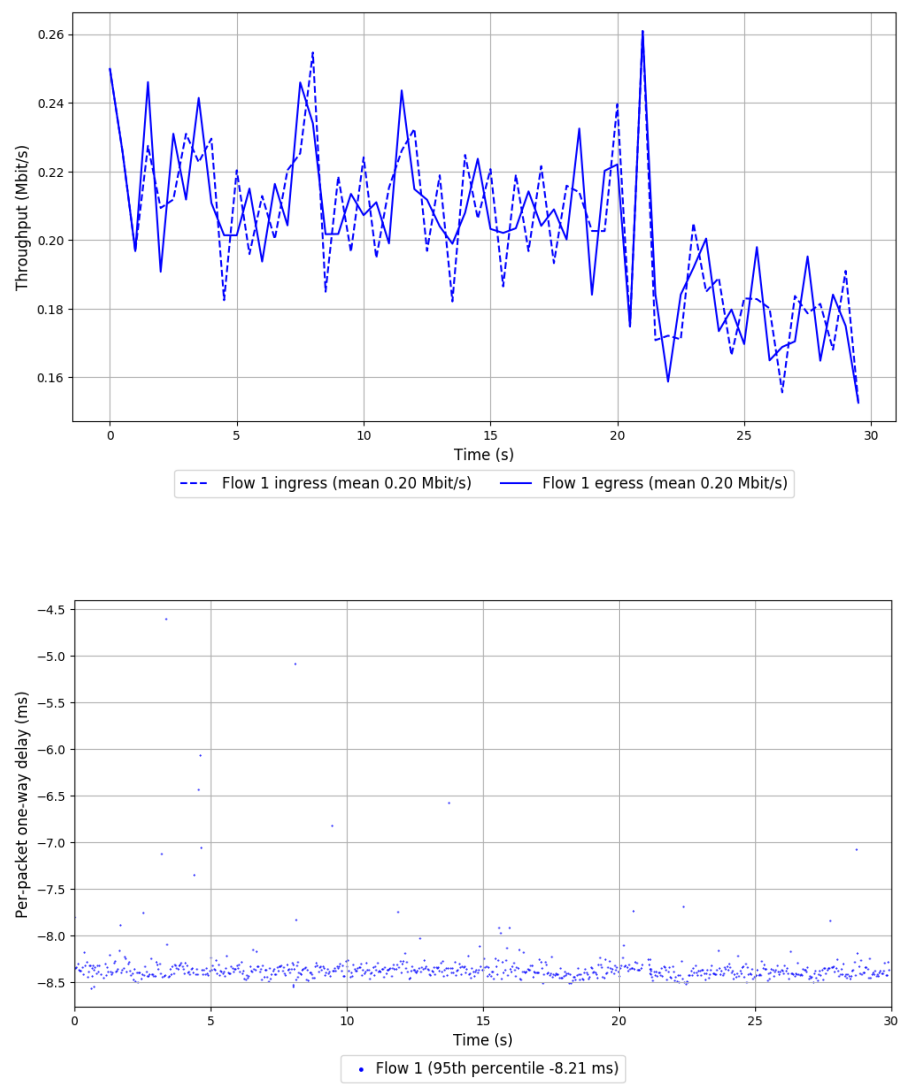

Flow 1 (95th percentile 13.56 ms)

```
Run 1: Statistics of SCReAM

Start at: 2017-12-11 13:47:10
End at: 2017-12-11 13:47:40
Local clock offset: -2.235 ms
Remote clock offset: -14.052 ms

# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.796 ms
Loss rate: 0.00%
```
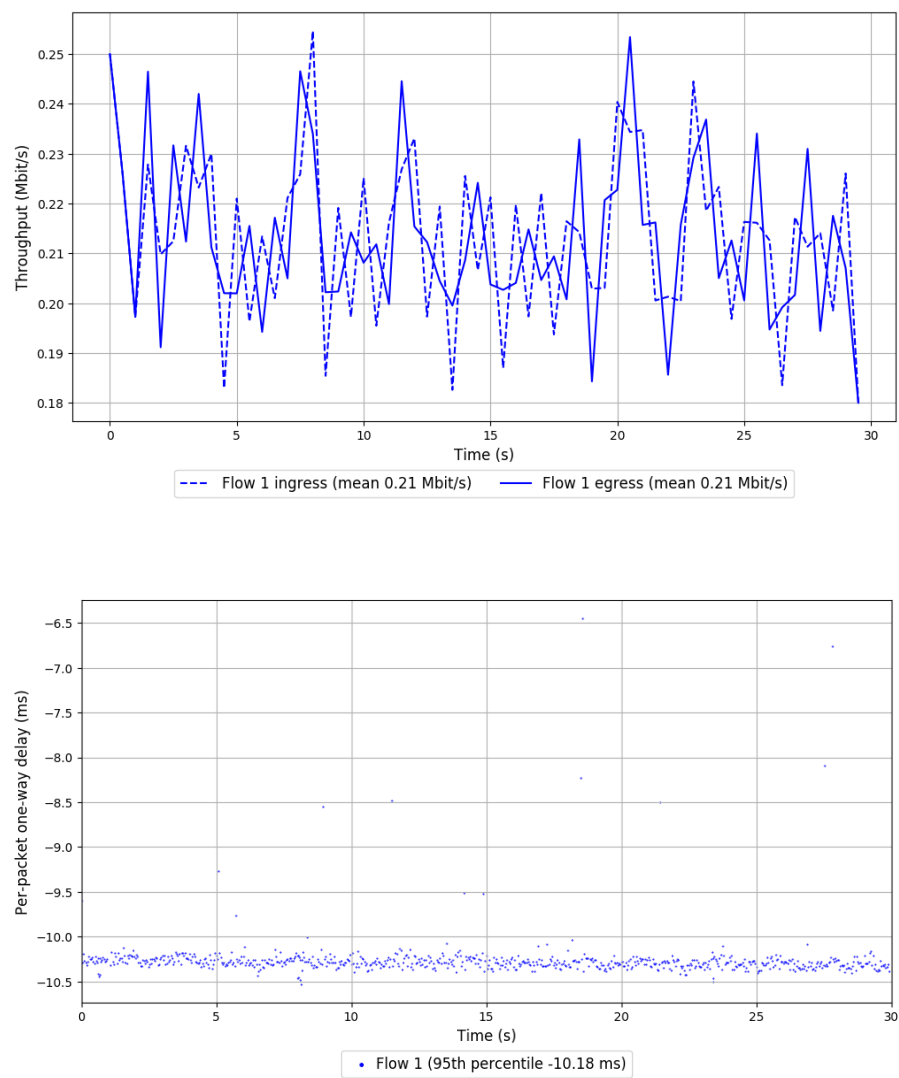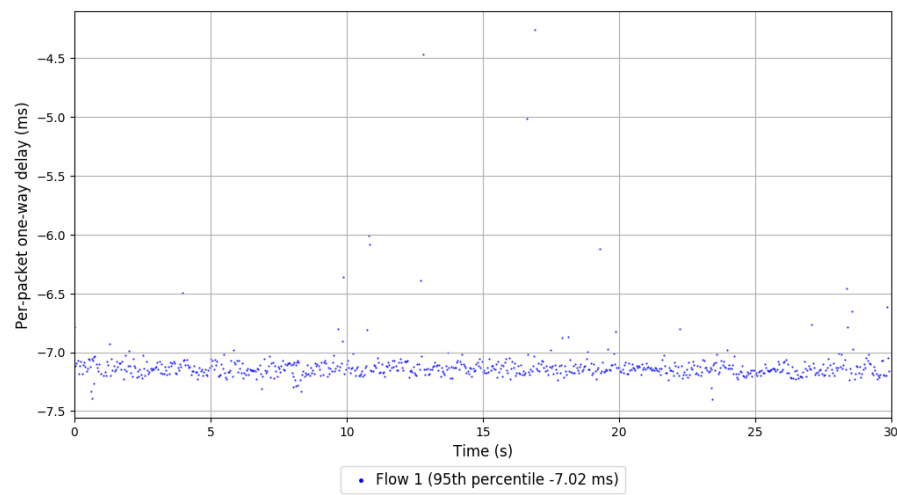
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2017-12-11 14:04:20
End at: 2017-12-11 14:04:50
Local clock offset: 0.611 ms
Remote clock offset: -14.697 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -8.214 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: -8.214 ms
Loss rate: 0.00%
```
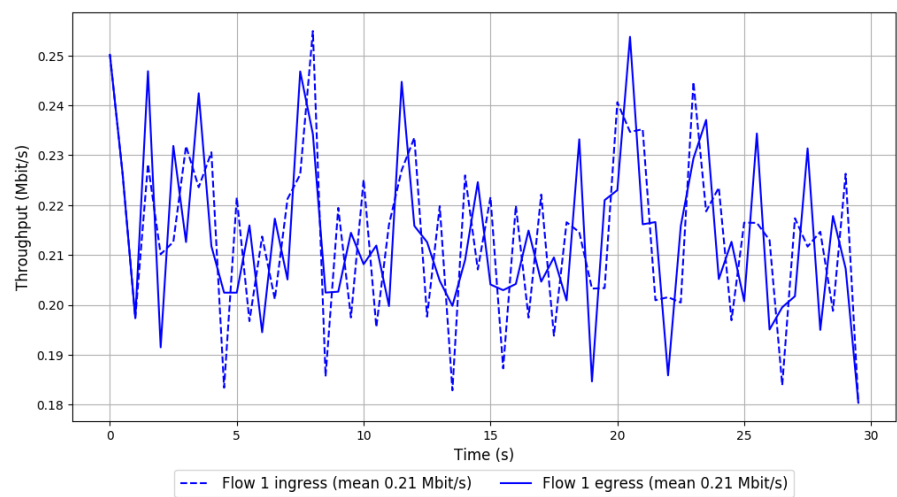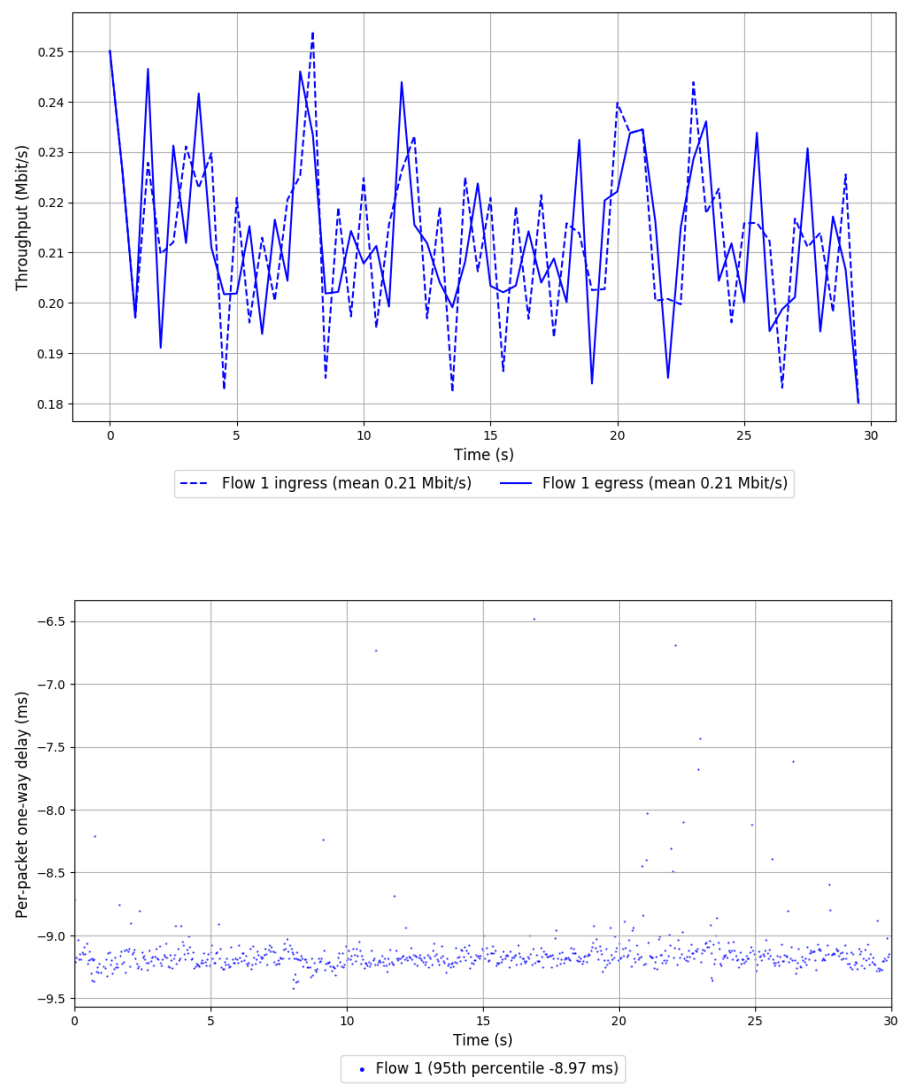
Run 2: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.20 Mbit/s)   Flow 1 egress (mean 0.20 Mbit/s)

Flow 1 (95th percentile -8.21 ms)

```
Run 3: Statistics of SCReAM

Start at: 2017-12-11 14:21:42
End at: 2017-12-11 14:22:12
Local clock offset: 1.241 ms
Remote clock offset: -14.384 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -10.178 ms
Loss rate: 0.00%
```
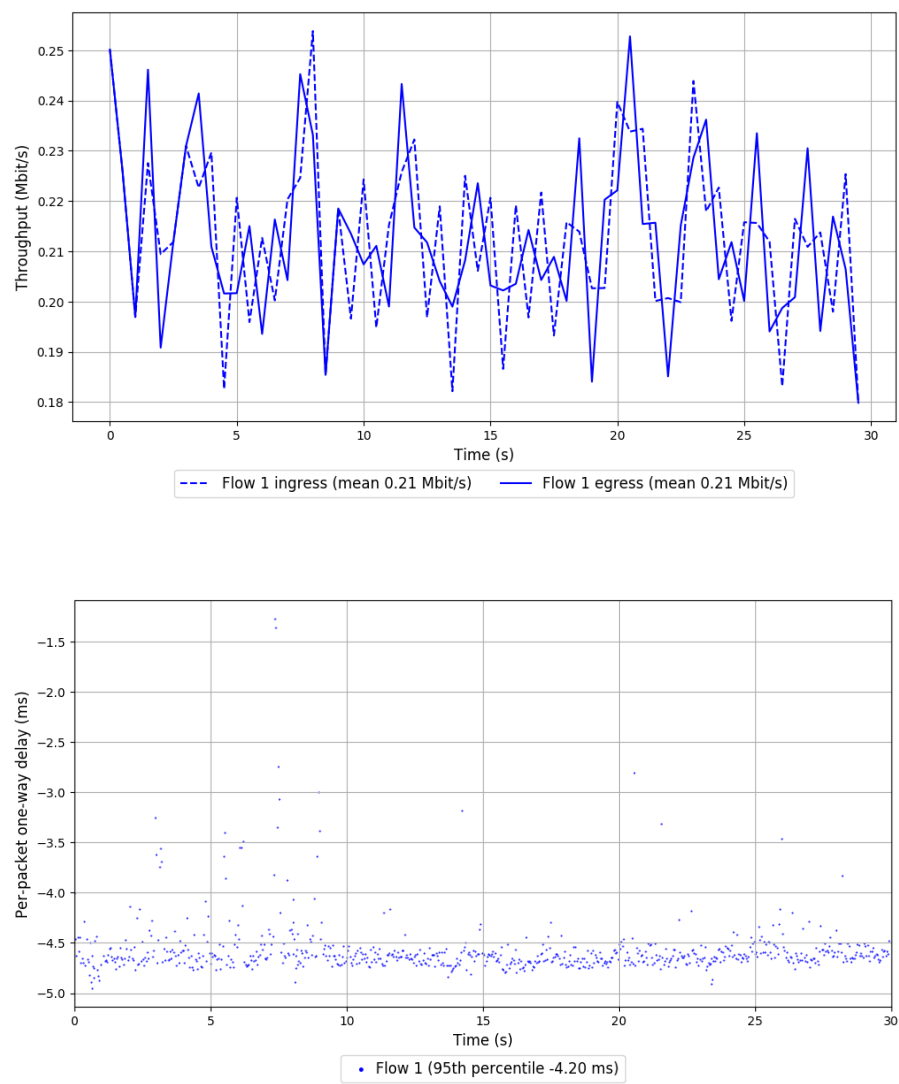
Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: 2017-12-11 14:38:35
End at: 2017-12-11 14:39:05
Local clock offset: -1.881 ms
Remote clock offset: -14.422 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.022 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -7.022 ms
Loss rate: 0.00%
```
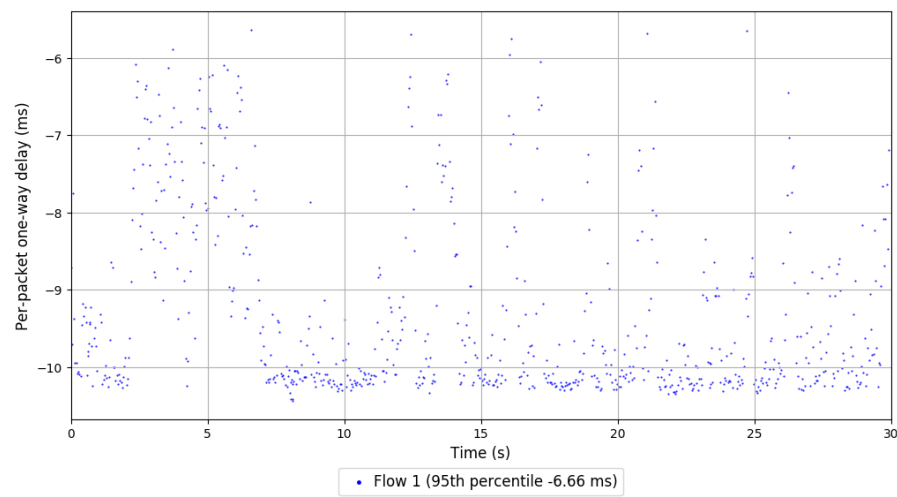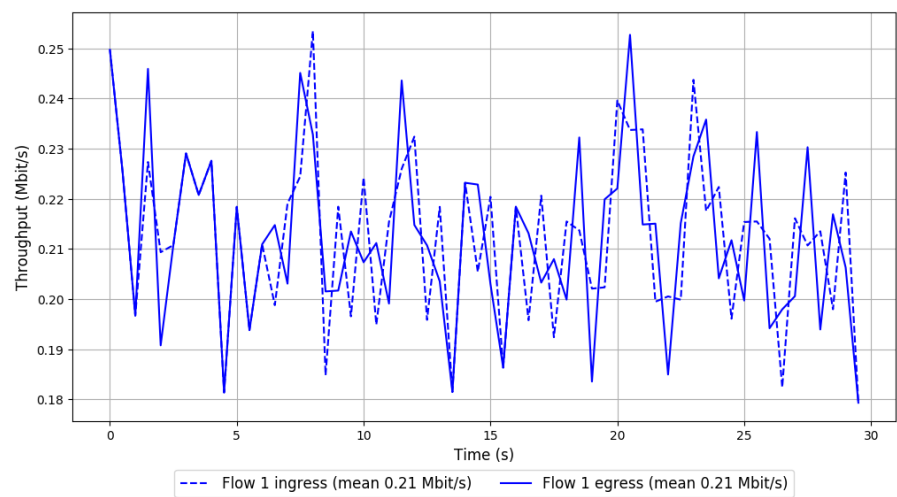
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2017-12-11 14:55:22
End at: 2017-12-11 14:55:52
Local clock offset: 0.602 ms
Remote clock offset: -14.81 ms

# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.971 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.971 ms
Loss rate: 0.00%
```
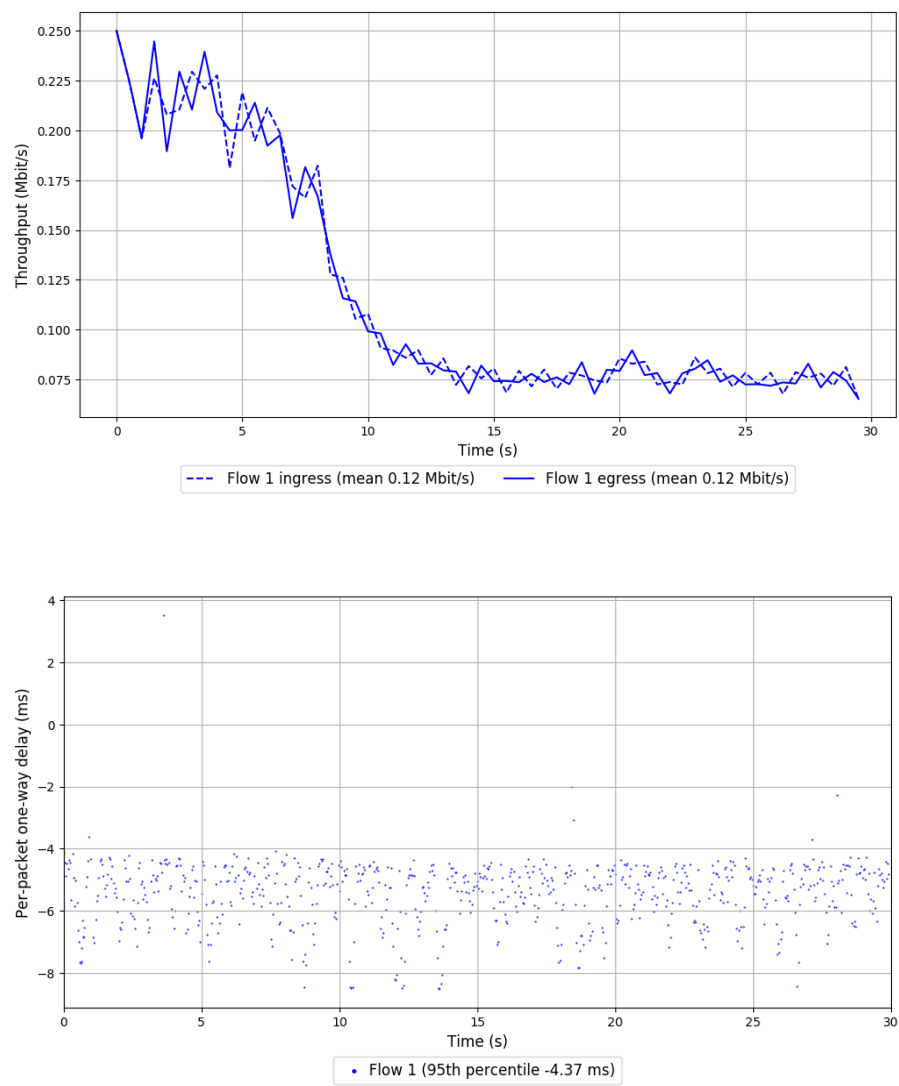
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2017-12-11 15:12:32
End at: 2017-12-11 15:13:02
Local clock offset: -1.842 ms
Remote clock offset: -14.94 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.200 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -4.200 ms
Loss rate: 0.00%
```

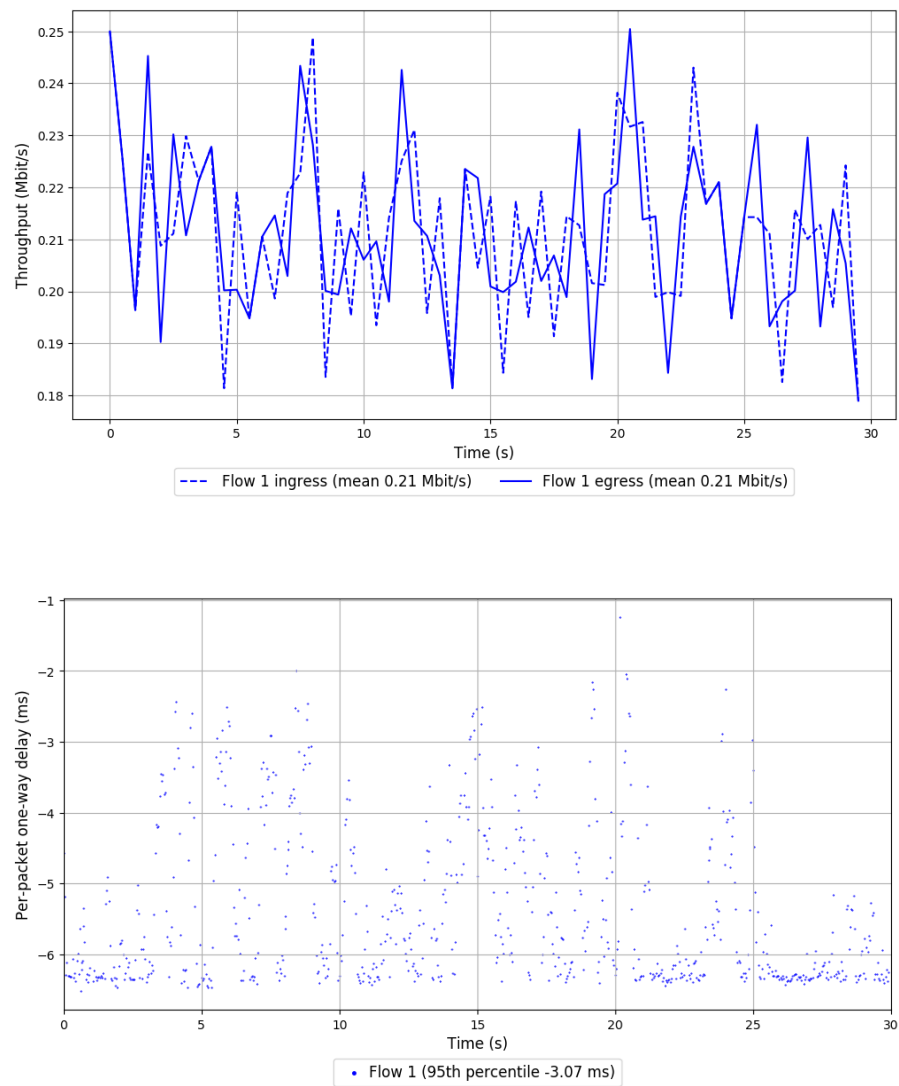# Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2017-12-11 15:29:42
End at: 2017-12-11 15:30:12
Local clock offset: 2.019 ms
Remote clock offset: -17.17 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.662 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.662 ms
Loss rate: 0.00%
```
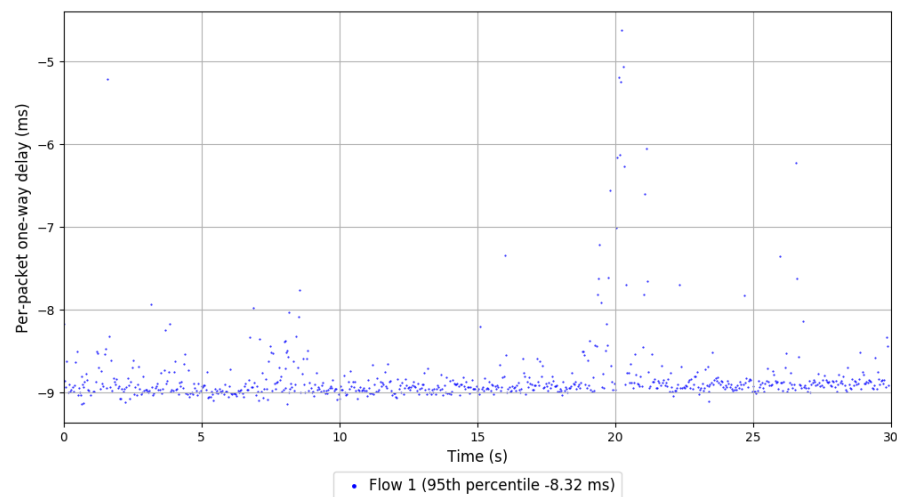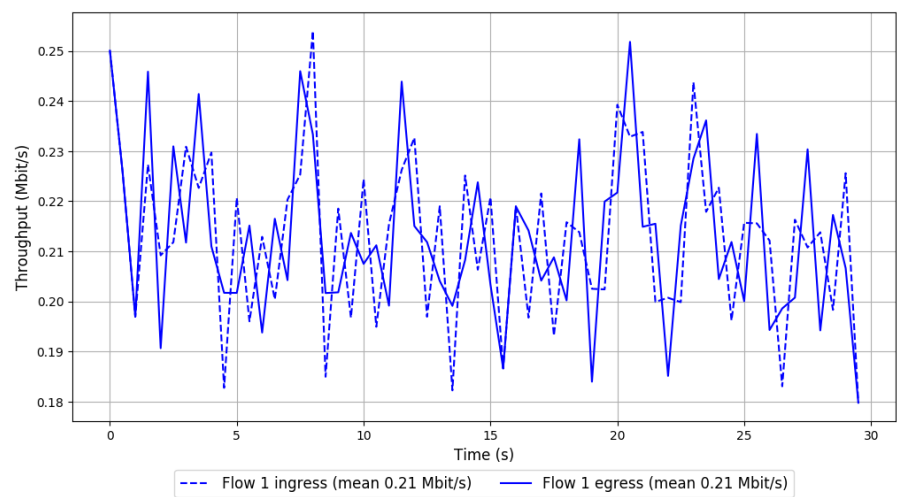
Run 7: Report of SCReAM — Data Link

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```
Run 8: Statistics of SCReAM

Start at: 2017-12-11 15:46:02
End at: 2017-12-11 15:46:32
Local clock offset: -0.523 ms
Remote clock offset: -17.385 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: -4.370 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: -4.370 ms
Loss rate: 0.43%
```

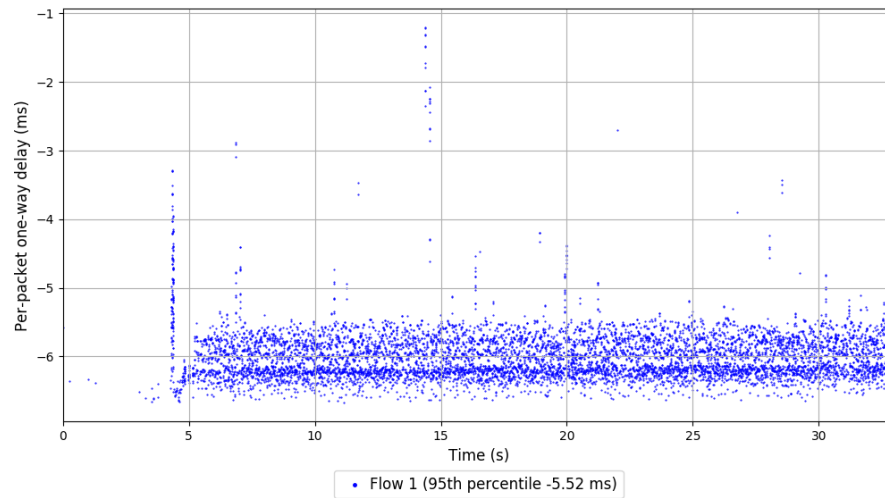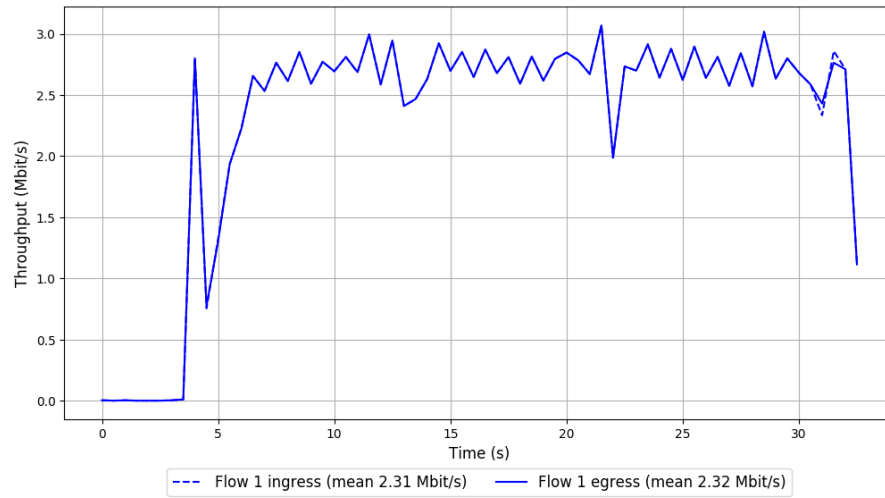# Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: 2017-12-11 16:02:30
End at: 2017-12-11 16:03:00
Local clock offset: -0.369 ms
Remote clock offset: -16.595 ms

# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.069 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -3.069 ms
Loss rate: 0.00%
```
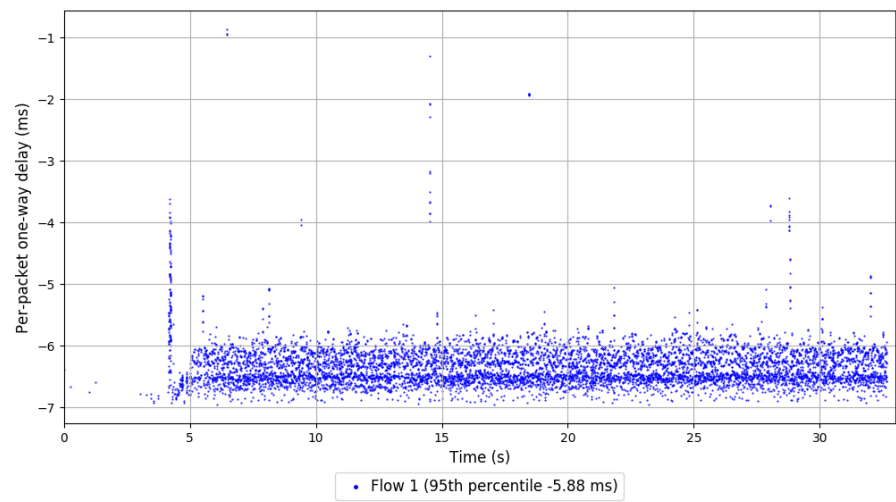
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2017-12-11 16:19:04
End at: 2017-12-11 16:19:34
Local clock offset: -0.366 ms
Remote clock offset: -19.634 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.324 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.21 Mbit/s) --- Flow 1 egress (mean 0.21 Mbit/s)
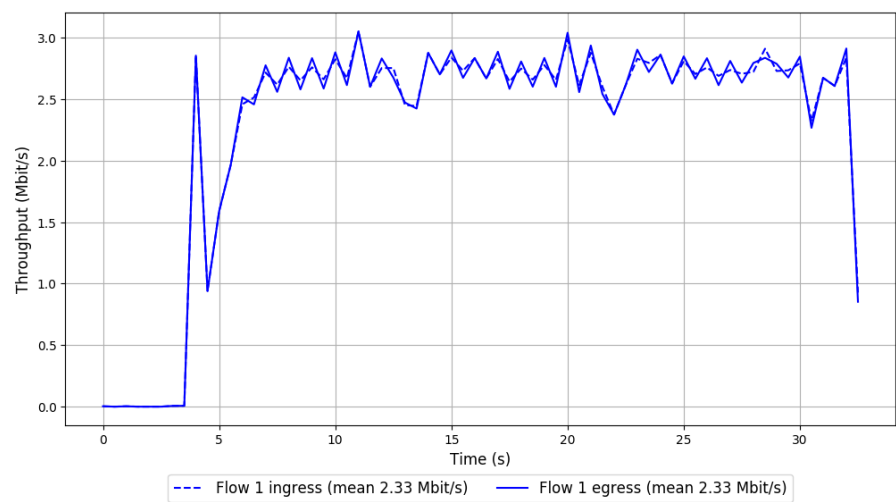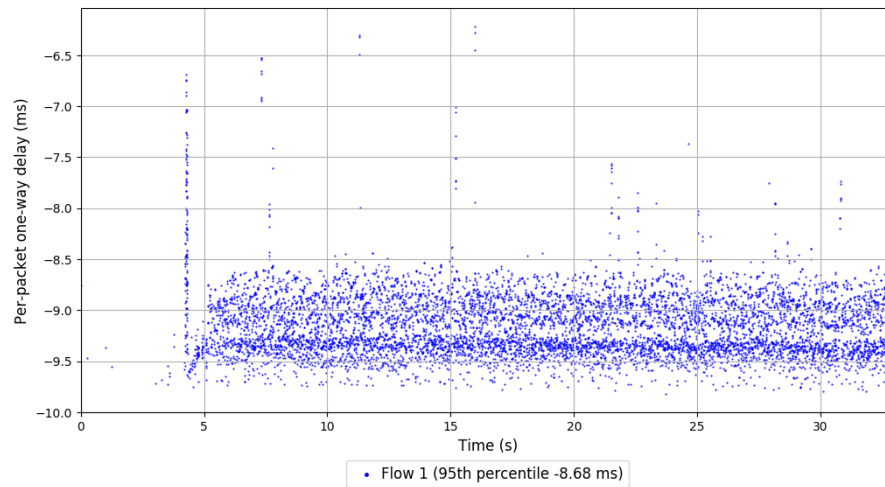

Flow 1 (95th percentile -8.32 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2017-12-11 13:49:32
End at: 2017-12-11 13:50:02
Local clock offset: -2.868 ms
Remote clock offset: -15.294 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -5.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -5.522 ms
Loss rate: 0.00%
```
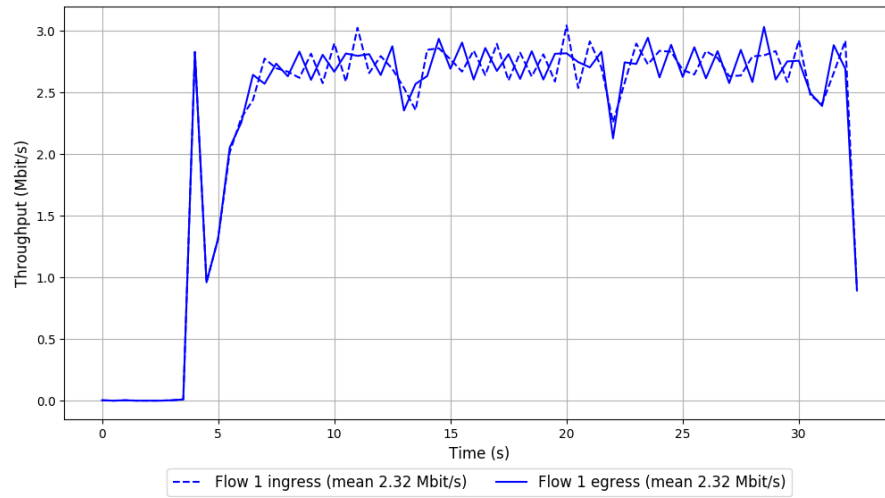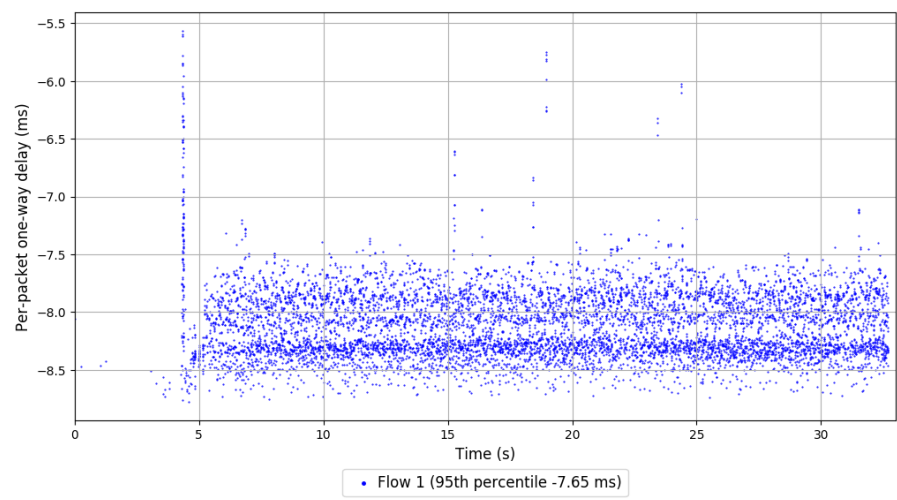
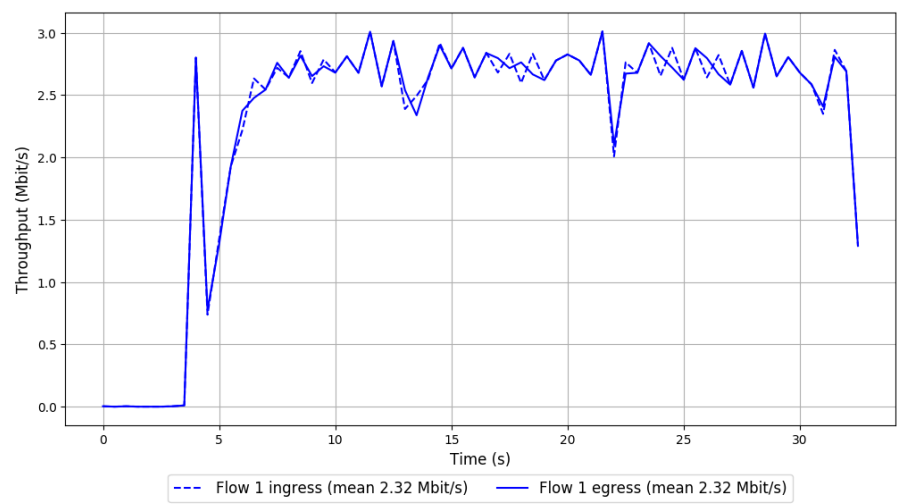Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2017-12-11 14:06:38
End at: 2017-12-11 14:07:08
Local clock offset: -2.964 ms
Remote clock offset: -16.616 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -5.882 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -5.882 ms
Loss rate: 0.00%
```
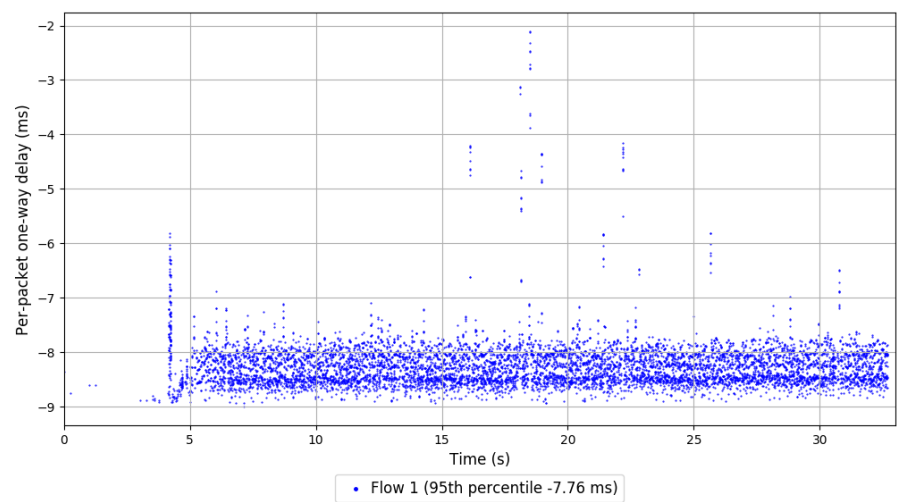
Run 2: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.33 Mbit/s)   Flow 1 egress (mean 2.33 Mbit/s)

Flow 1 (95th percentile -5.88 ms)

```
Run 3: Statistics of WebRTC media

Start at: 2017-12-11 14:24:00
End at: 2017-12-11 14:24:30
Local clock offset: 1.5 ms
Remote clock offset: -13.991 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -8.677 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -8.677 ms
Loss rate: 0.00%
```
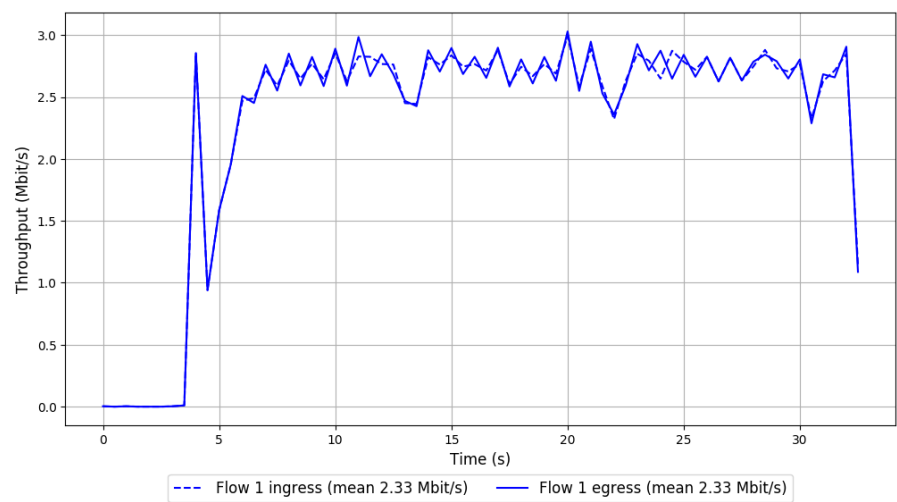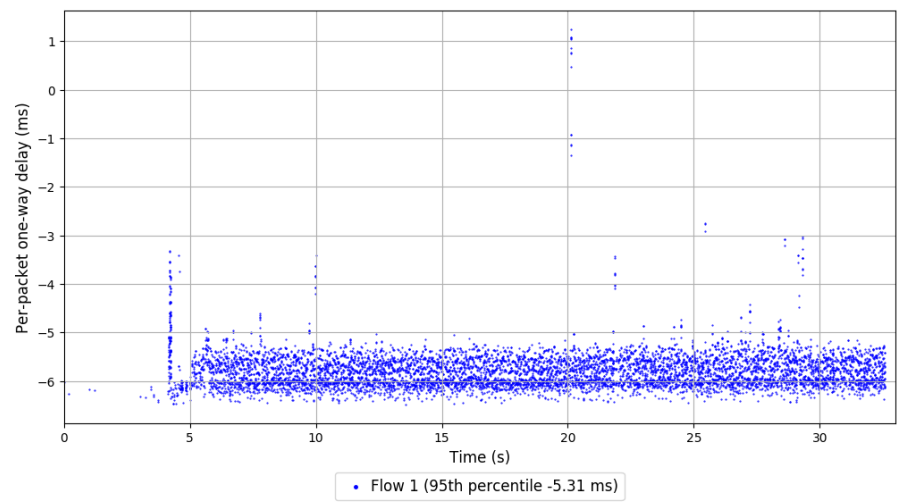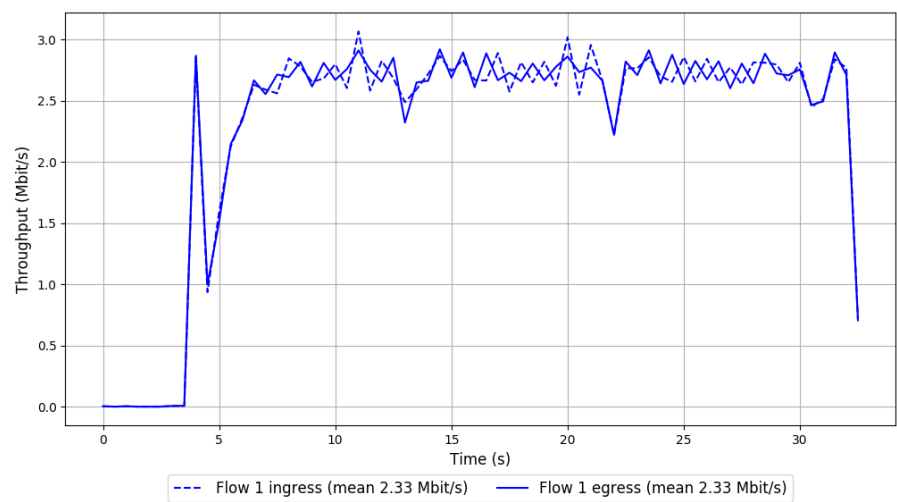
Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.32 Mbit/s)   Flow 1 egress (mean 2.32 Mbit/s)

Flow 1 (95th percentile -8.68 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2017-12-11 14:40:57
End at: 2017-12-11 14:41:27
Local clock offset: -0.516 ms
Remote clock offset: -14.21 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -7.649 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -7.649 ms
Loss rate: 0.00%
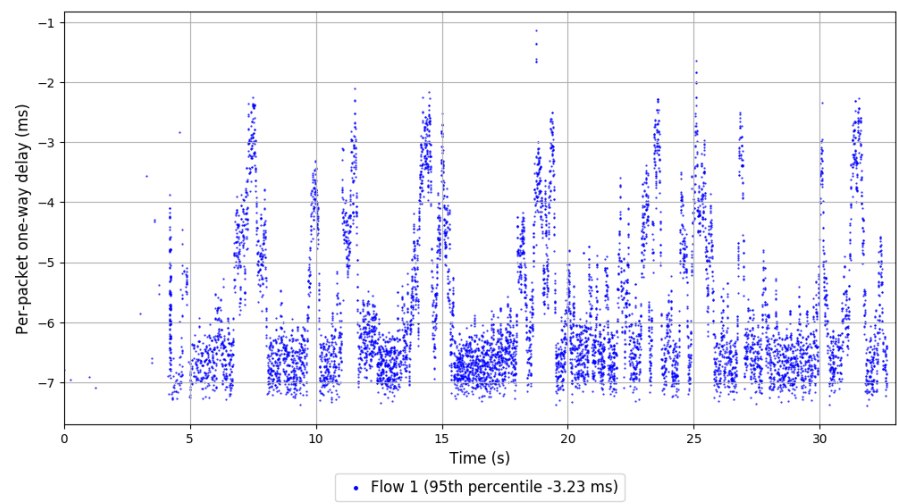```
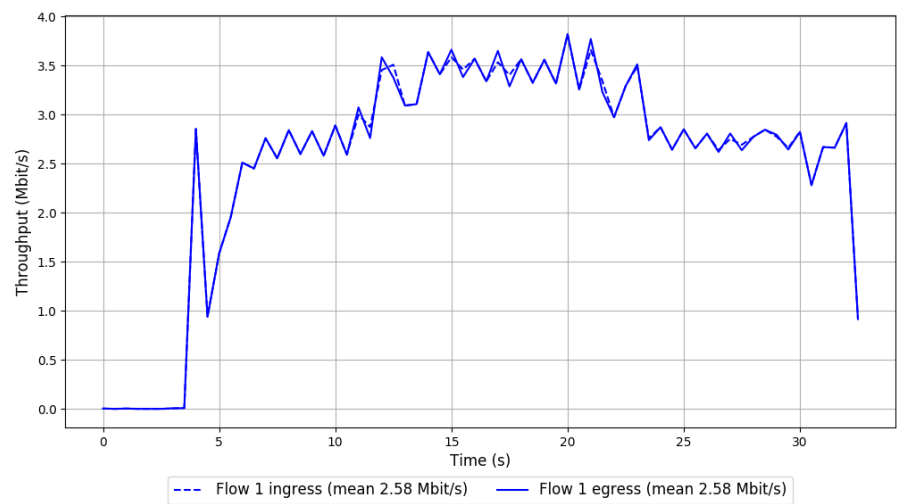
Run 4: Report of WebRTC media — Data Link



Flow 1 ingress (mean 2.32 Mbit/s) ---- Flow 1 egress (mean 2.32 Mbit/s)



Flow 1 (95th percentile -7.65 ms)

```
Run 5: Statistics of WebRTC media

Start at: 2017-12-11 14:57:47
End at: 2017-12-11 14:58:17
Local clock offset: 0.383 ms
Remote clock offset: -15.558 ms

Below is generated by plot.py at 2017-12-11 16:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.759 ms
Loss rate: 0.00%
```
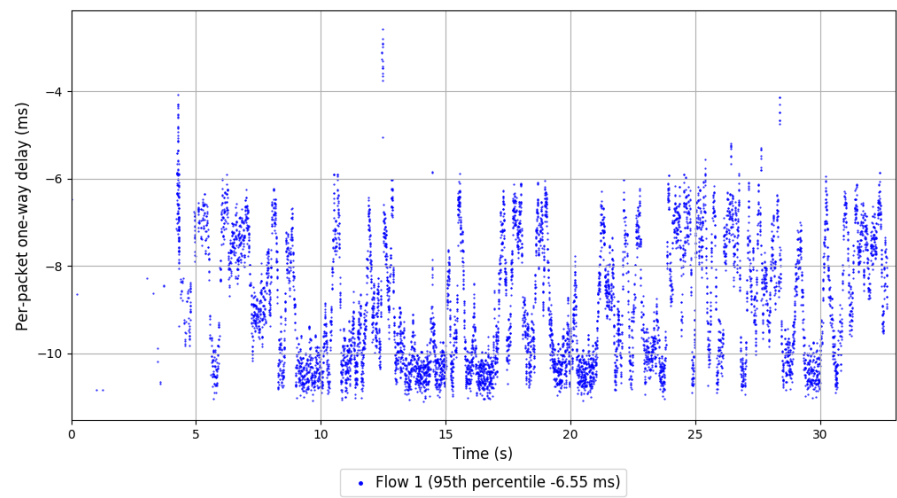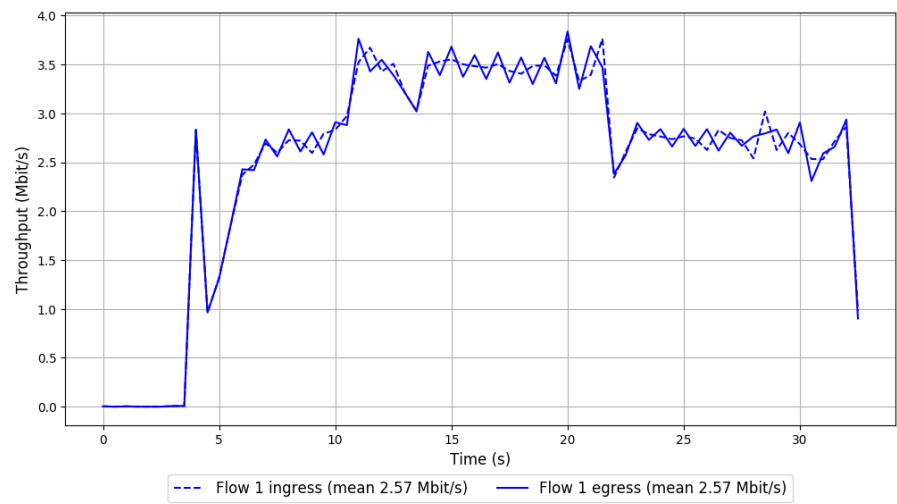
# Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2017-12-11 15:14:53
End at: 2017-12-11 15:15:23
Local clock offset: -2.205 ms
Remote clock offset: -15.906 ms

Below is generated by plot.py at 2017-12-11 16:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -5.307 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -5.307 ms
Loss rate: 0.00%
```
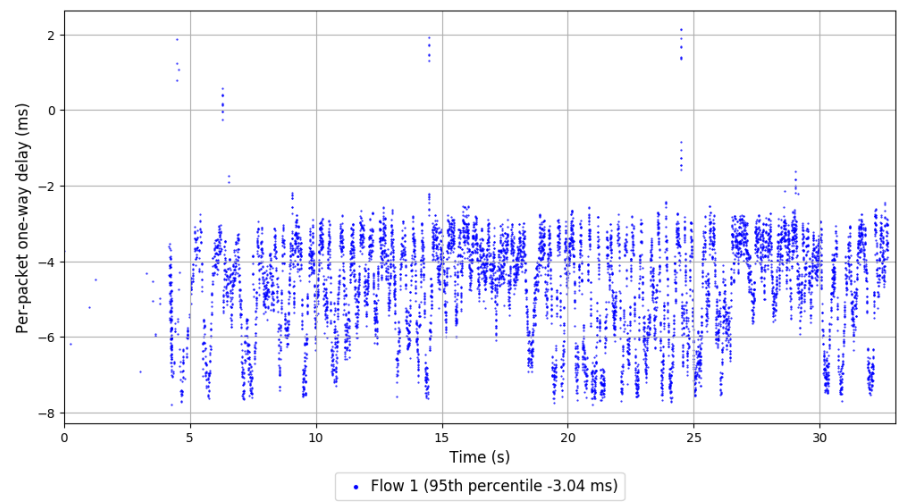
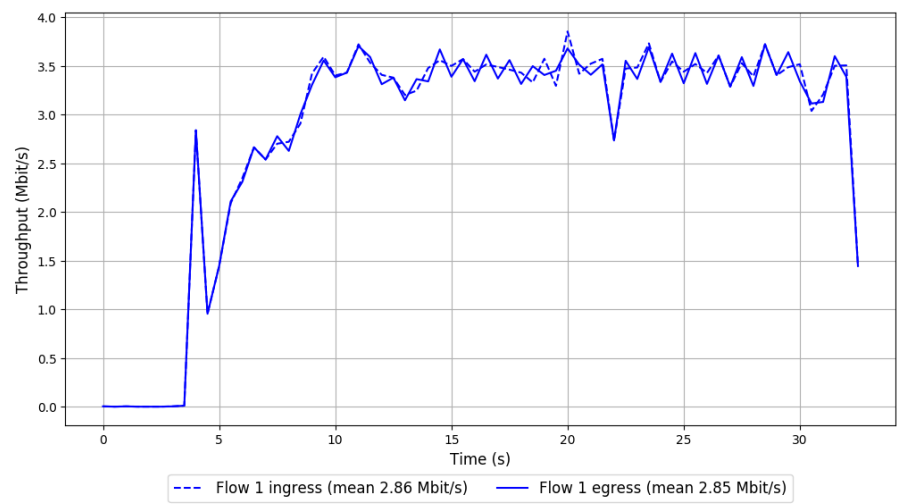Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2017-12-11 15:31:54
End at: 2017-12-11 15:32:24
Local clock offset: -1.62 ms
Remote clock offset: -17.422 ms

Below is generated by plot.py at 2017-12-11 16:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: -3.232 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: -3.232 ms
Loss rate: 0.03%
```
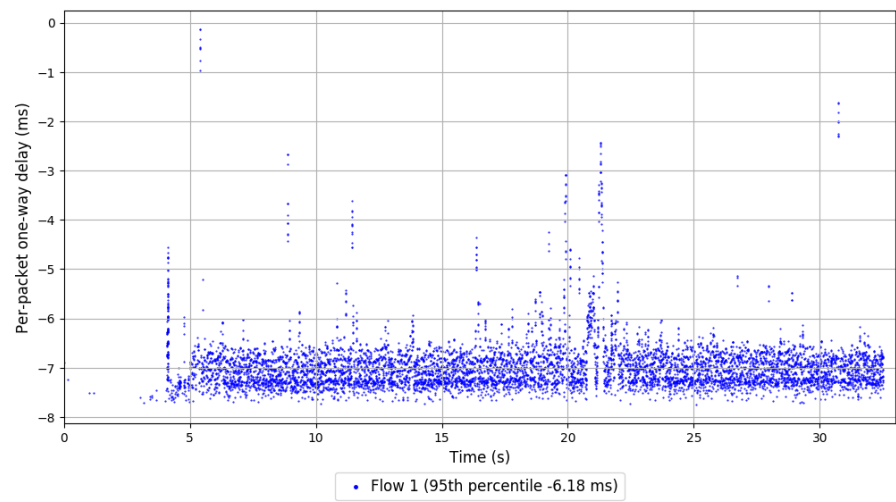
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2017-12-11 15:48:13
End at: 2017-12-11 15:48:43
Local clock offset: 1.168 ms
Remote clock offset: -17.919 ms

Below is generated by plot.py at 2017-12-11 16:57:08
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: -6.547 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.57 Mbit/s
95th percentile per-packet one-way delay: -6.547 ms
Loss rate: 0.02%
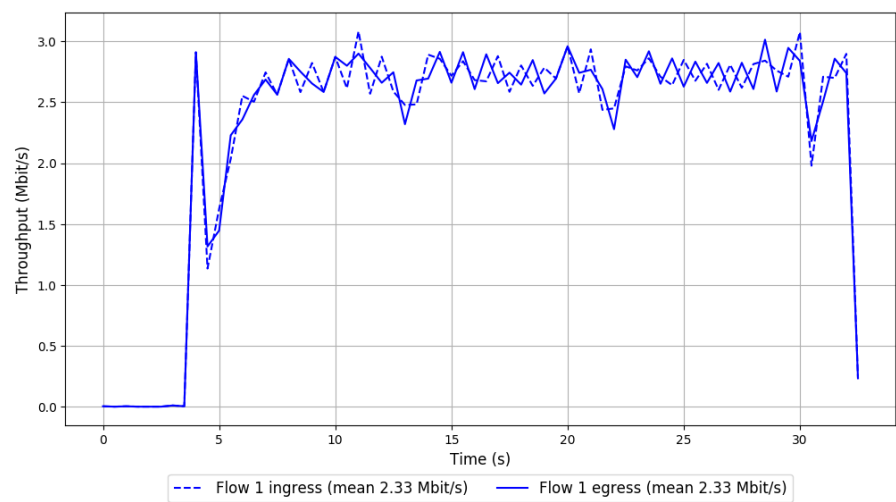```
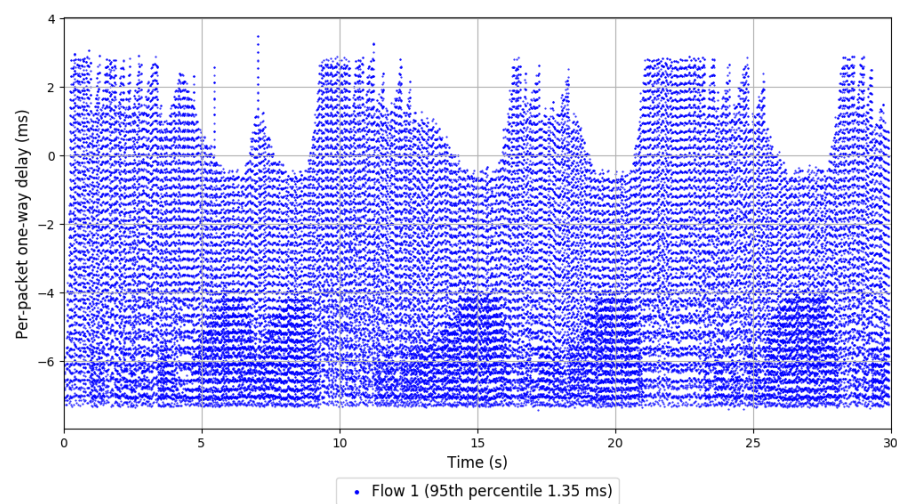
Run 8: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.57 Mbit/s)   Flow 1 egress (mean 2.57 Mbit/s)

Flow 1 (95th percentile -6.55 ms)

```
Run 9: Statistics of WebRTC media

Start at: 2017-12-11 16:04:45
End at: 2017-12-11 16:05:15
Local clock offset: -2.052 ms
Remote clock offset: -18.655 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: -3.038 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: -3.038 ms
Loss rate: 0.36%
```
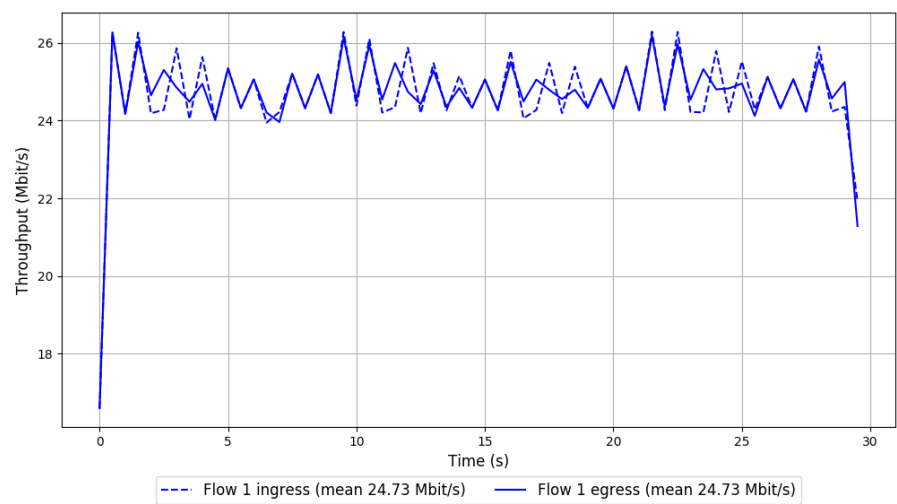
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2017-12-11 16:21:26
End at: 2017-12-11 16:21:56
Local clock offset: -0.078 ms
Remote clock offset: -19.002 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -6.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -6.176 ms
Loss rate: 0.00%
```
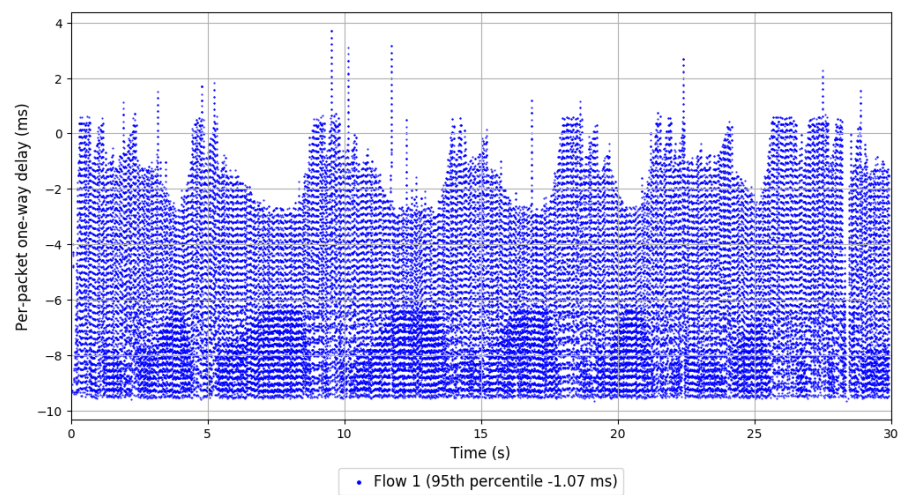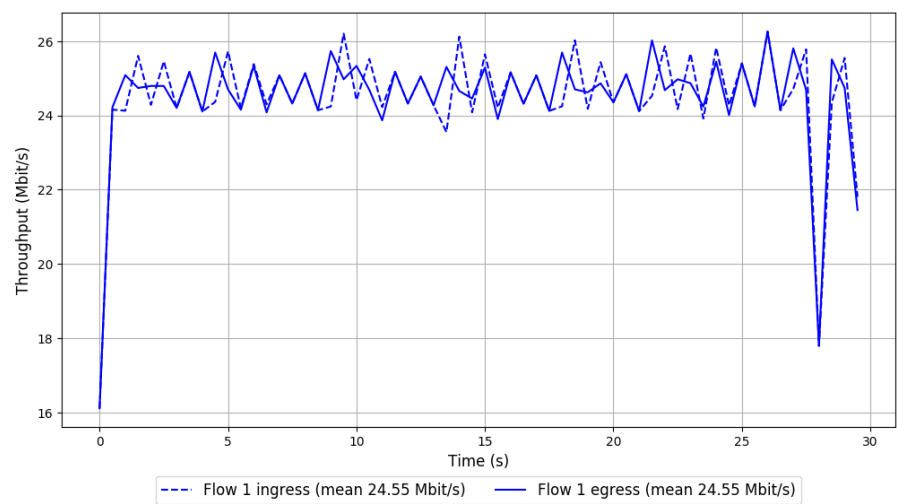
Run 10: Report of WebRTC media — Data Link

```
Run 1: Statistics of Sprout

Start at: 2017-12-11 13:38:29
End at: 2017-12-11 13:38:59
Local clock offset: -0.043 ms
Remote clock offset: -12.864 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 1.355 ms
Loss rate: 0.00%
```

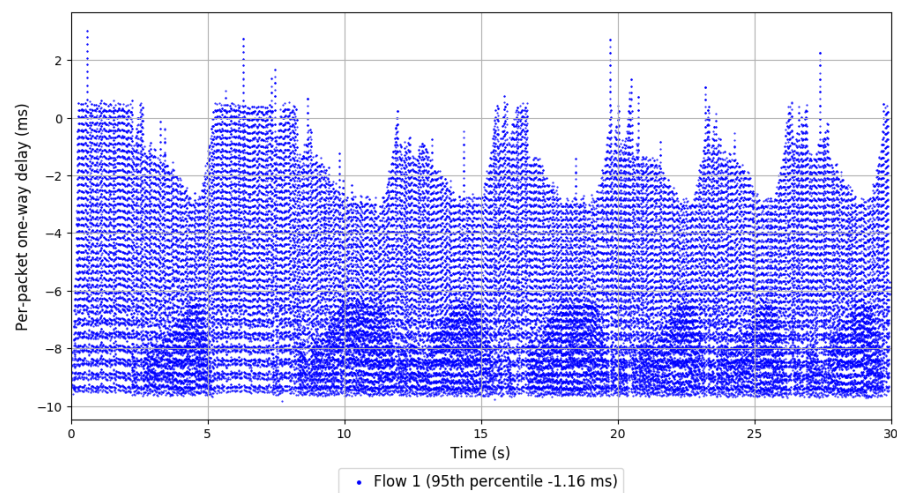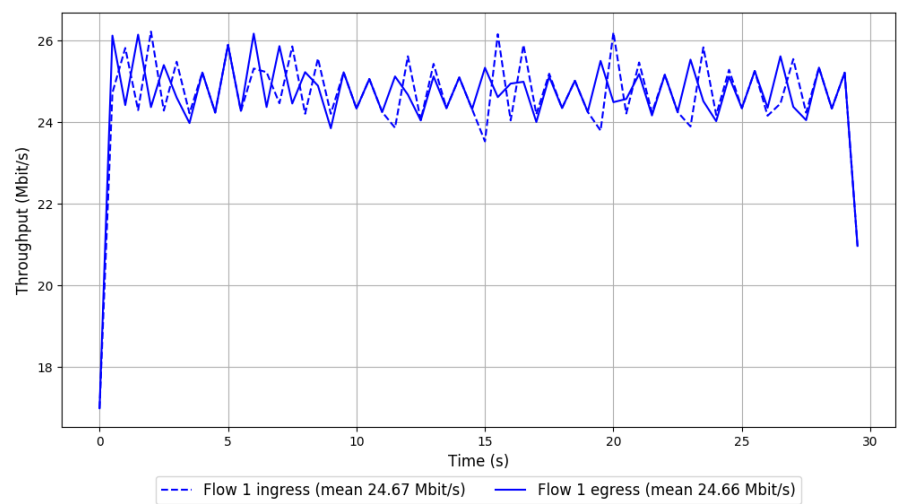Run 1: Report of Sprout — Data Link

Flow 1 ingress (mean 24.73 Mbit/s)   Flow 1 egress (mean 24.73 Mbit/s)

• Flow 1 (95th percentile 1.35 ms)

```
Run 2: Statistics of Sprout

Start at: 2017-12-11 13:55:42
End at: 2017-12-11 13:56:12
Local clock offset: -1.958 ms
Remote clock offset: -16.792 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: -1.066 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.55 Mbit/s
95th percentile per-packet one-way delay: -1.066 ms
Loss rate: 0.00%
```
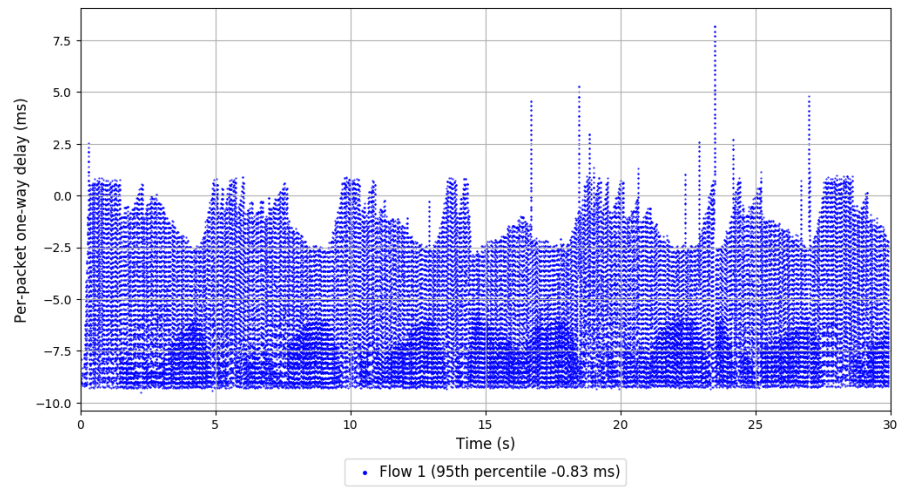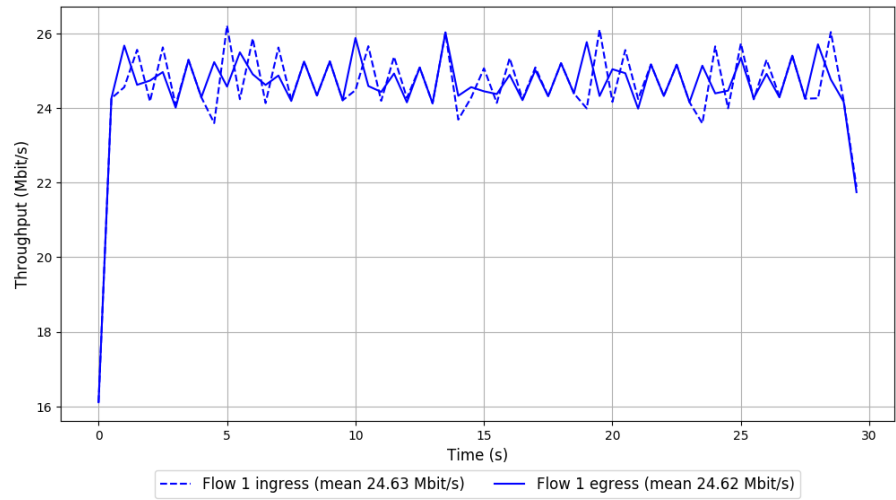
Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2017-12-11 14:12:44
End at: 2017-12-11 14:13:14
Local clock offset: 0.769 ms
Remote clock offset: -14.507 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: -1.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: -1.164 ms
Loss rate: 0.00%
```

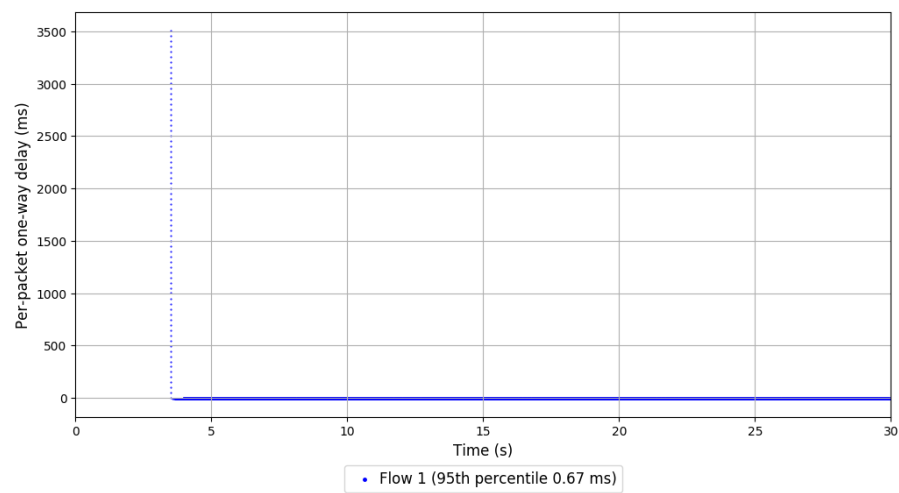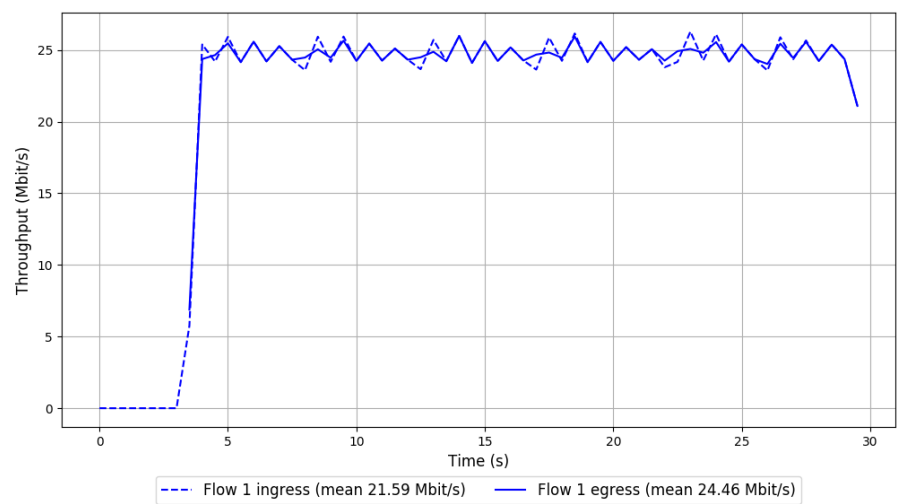Run 3: Report of Sprout — Data Link

```
Run 4: Statistics of Sprout

Start at: 2017-12-11 14:29:56
End at: 2017-12-11 14:30:26
Local clock offset: -0.633 ms
Remote clock offset: -14.921 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: -0.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: -0.832 ms
Loss rate: 0.00%
```
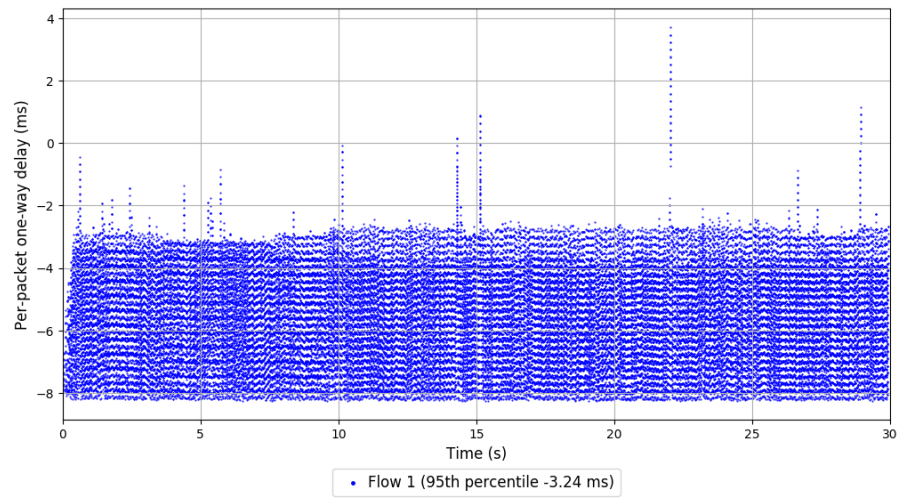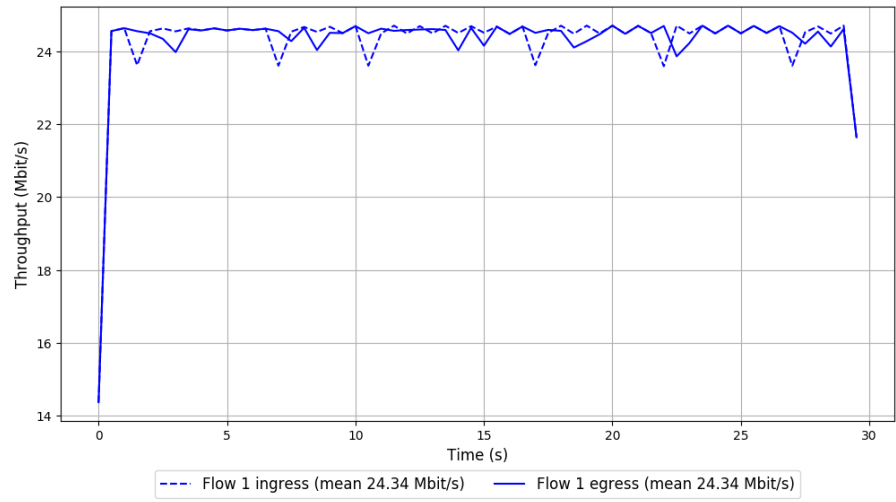
Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2017-12-11 14:46:45
End at: 2017-12-11 14:47:15
Local clock offset: -0.647 ms
Remote clock offset: -15.038 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 0.674 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.46 Mbit/s
95th percentile per-packet one-way delay: 0.674 ms
Loss rate: 0.00%
```

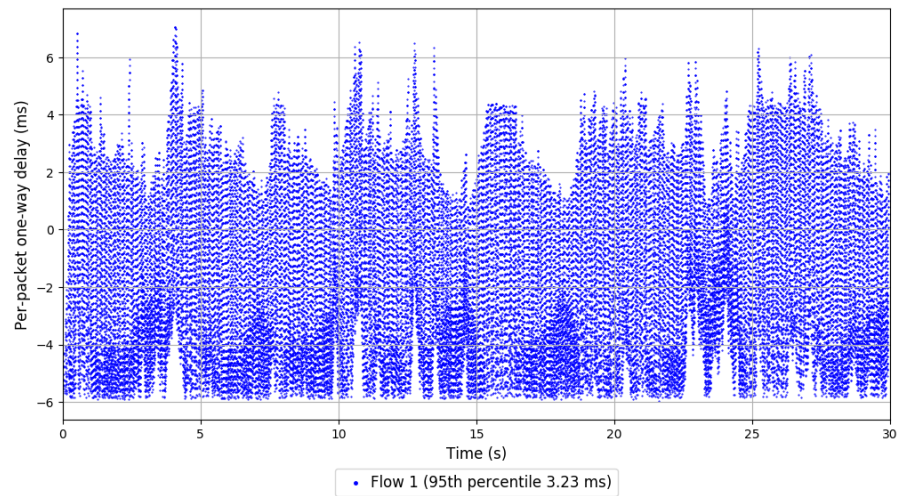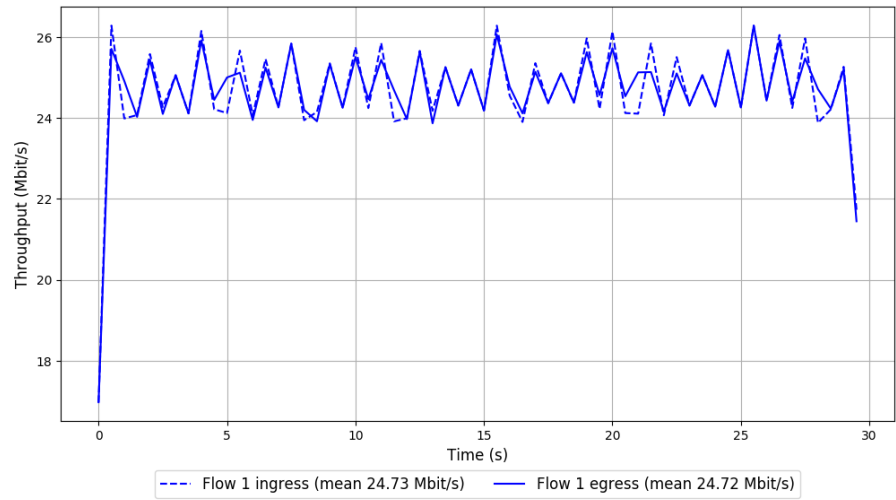## Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2017-12-11 15:03:52
End at: 2017-12-11 15:04:22
Local clock offset: -1.476 ms
Remote clock offset: -16.173 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: -3.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.34 Mbit/s
95th percentile per-packet one-way delay: -3.238 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2017-12-11 15:20:59
End at: 2017-12-11 15:21:29
Local clock offset: -2.828 ms
Remote clock offset: -16.691 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 3.230 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 3.230 ms
Loss rate: 0.00%
```
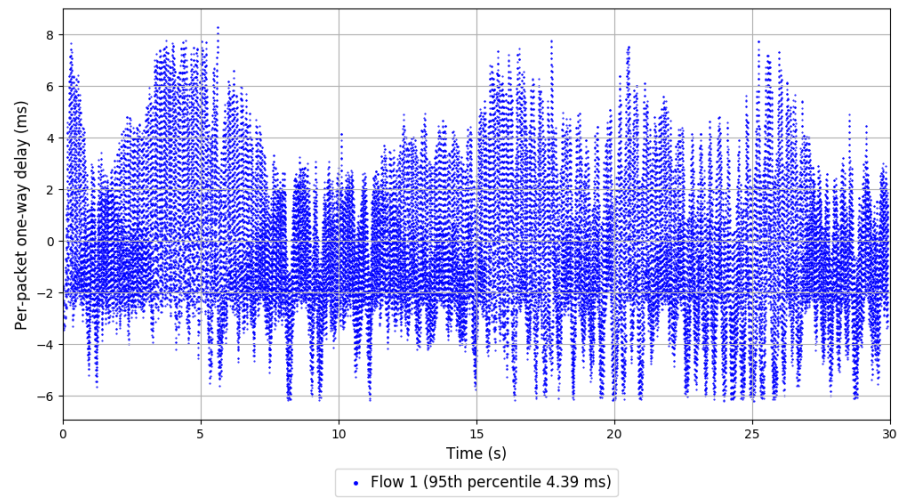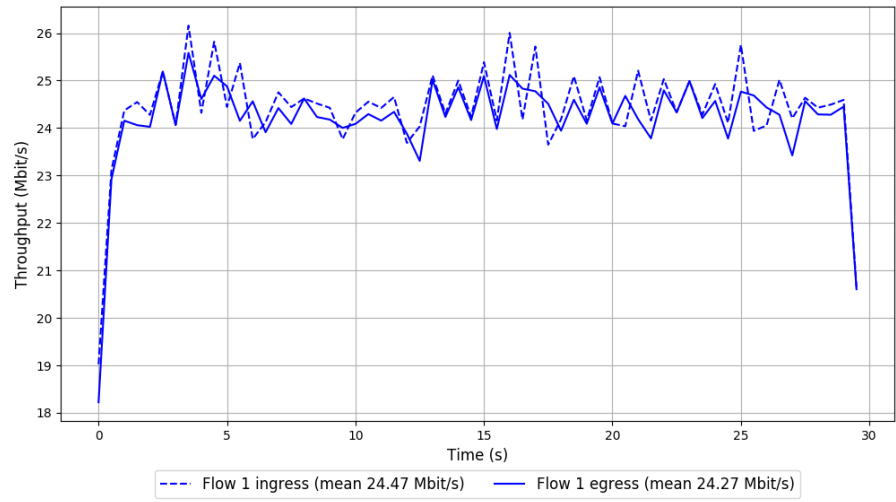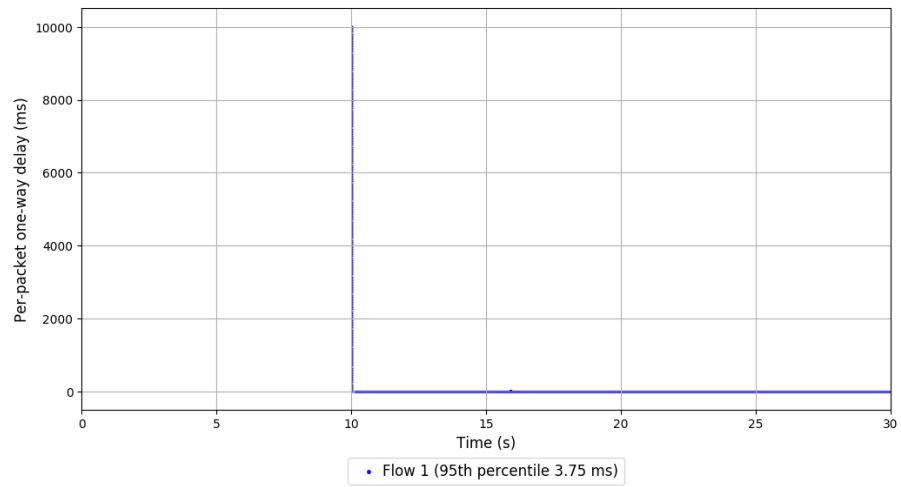
Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 24.73 Mbit/s)   Flow 1 egress (mean 24.72 Mbit/s)

Flow 1 (95th percentile 3.23 ms)

```
Run 8: Statistics of Sprout

Start at: 2017-12-11 15:37:33
End at: 2017-12-11 15:38:03
Local clock offset: -1.41 ms
Remote clock offset: -16.1 ms


# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 4.390 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 4.390 ms
Loss rate: 0.80%
```

Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2017-12-11 15:53:55
End at: 2017-12-11 15:54:25
Local clock offset: -0.017 ms
Remote clock offset: -16.486 ms
```
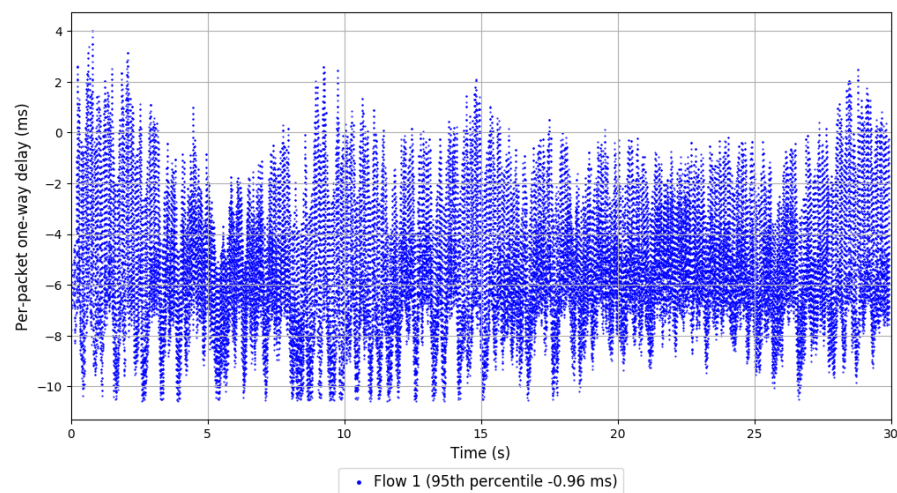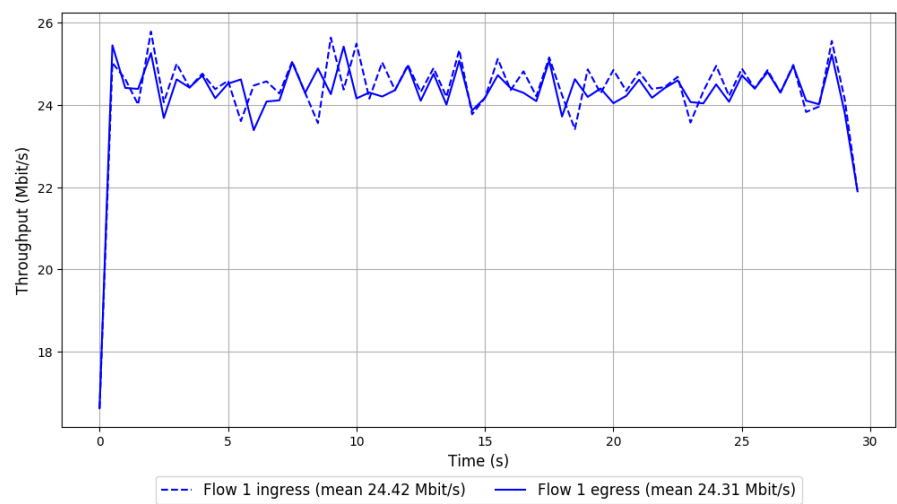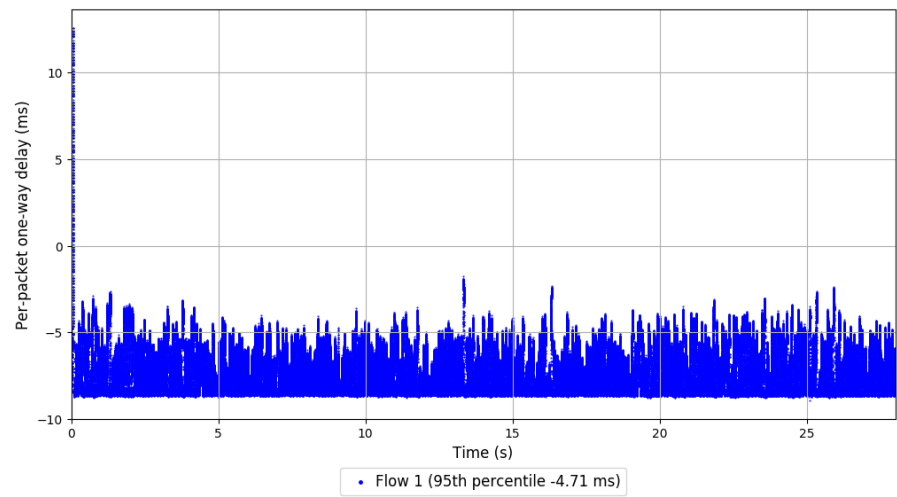
Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2017-12-11 16:10:18
End at: 2017-12-11 16:10:48
Local clock offset: 1.447 ms
Remote clock offset: -19.659 ms

# Below is generated by plot.py at 2017-12-11 16:57:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: -0.961 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 24.31 Mbit/s
95th percentile per-packet one-way delay: -0.961 ms
Loss rate: 0.47%
```

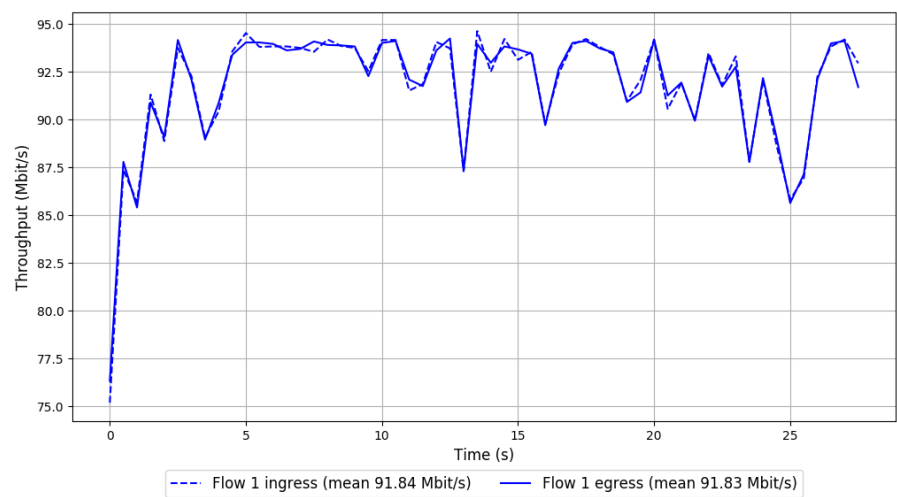## Run 10: Report of Sprout — Data Link

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

Start at: 2017-12-11 13:43:13
End at: 2017-12-11 13:43:43
Local clock offset: 0.288 ms
Remote clock offset: -13.957 ms

# Below is generated by plot.py at 2017-12-11 16:58:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: -4.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: -4.707 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 91.84 Mbit/s) —— Flow 1 egress (mean 91.83 Mbit/s)
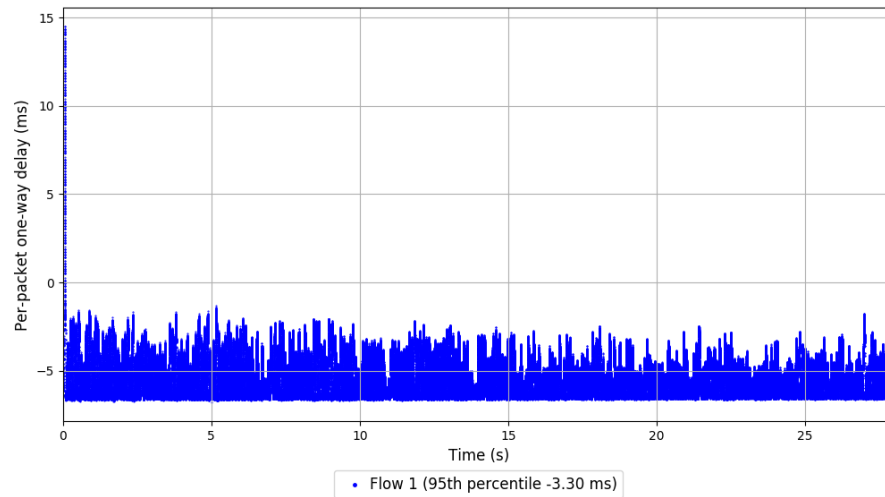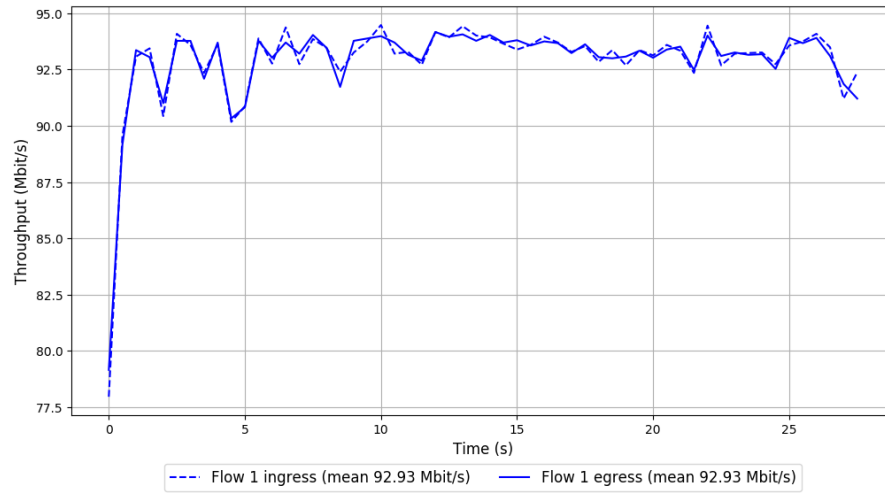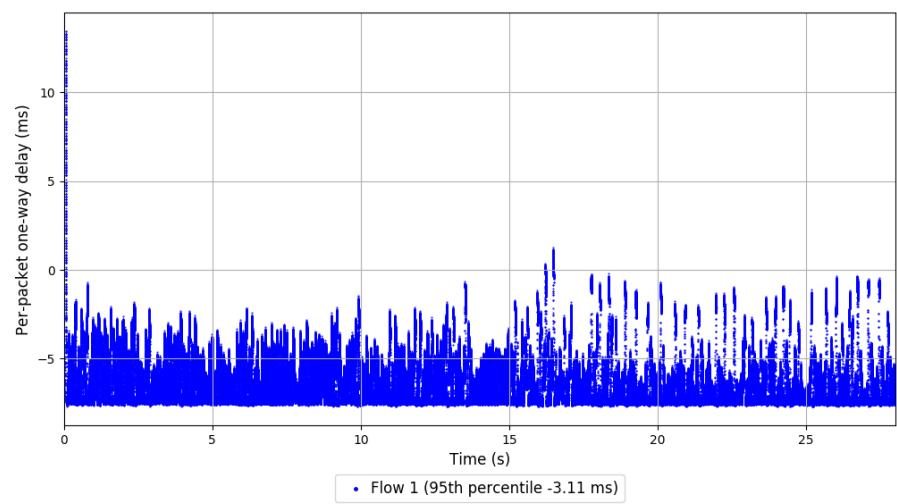

• Flow 1 (95th percentile -4.71 ms)

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

Start at: 2017-12-11 14:00:34
End at: 2017-12-11 14:01:04
Local clock offset: -2.847 ms
Remote clock offset: -14.927 ms


# Below is generated by plot.py at 2017-12-11 16:58:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: -3.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: -3.301 ms
Loss rate: 0.00%
```
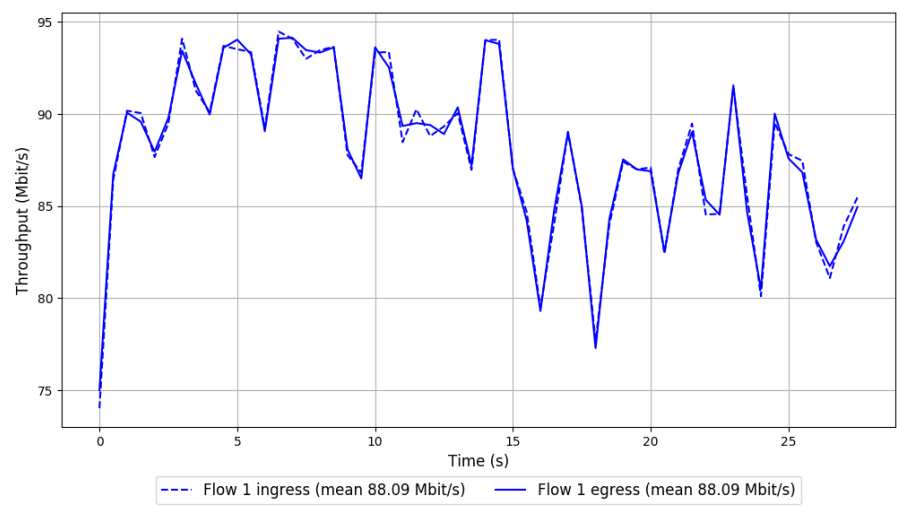
Run 2: Report of TaoVA-100x — Data Link

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

Start at: 2017-12-11 14:17:43
End at: 2017-12-11 14:18:13
Local clock offset: -0.537 ms
Remote clock offset: -14.681 ms


# Below is generated by plot.py at 2017-12-11 16:58:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: -3.106 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: -3.106 ms
Loss rate: 0.00%
```
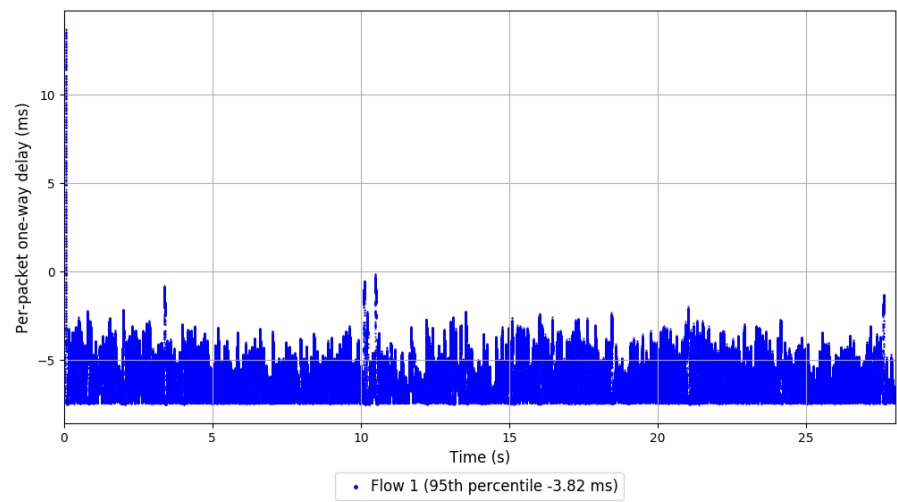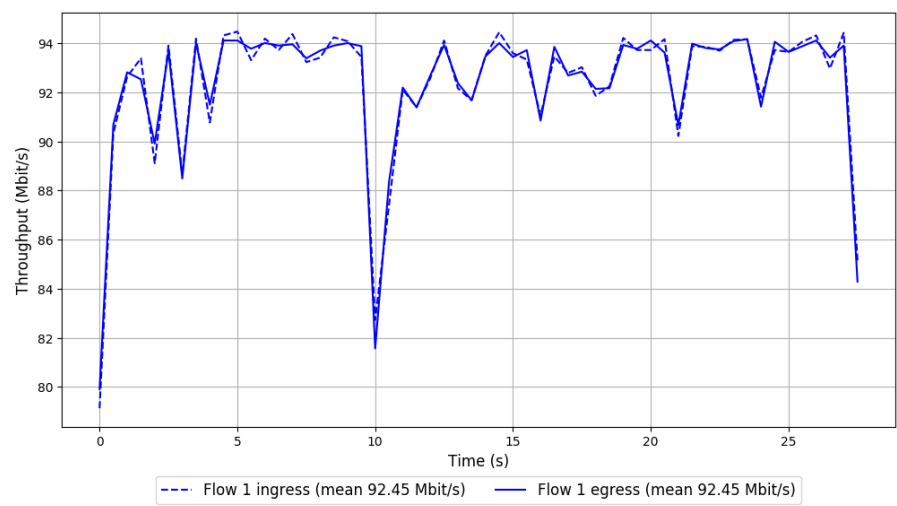
Run 3: Report of TaoVA-100x — Data Link

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

Start at: 2017-12-11 14:34:47
End at: 2017-12-11 14:35:17
Local clock offset: -0.847 ms
Remote clock offset: -14.523 ms

# Below is generated by plot.py at 2017-12-11 16:59:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: -3.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.45 Mbit/s
95th percentile per-packet one-way delay: -3.823 ms
Loss rate: 0.00%
```

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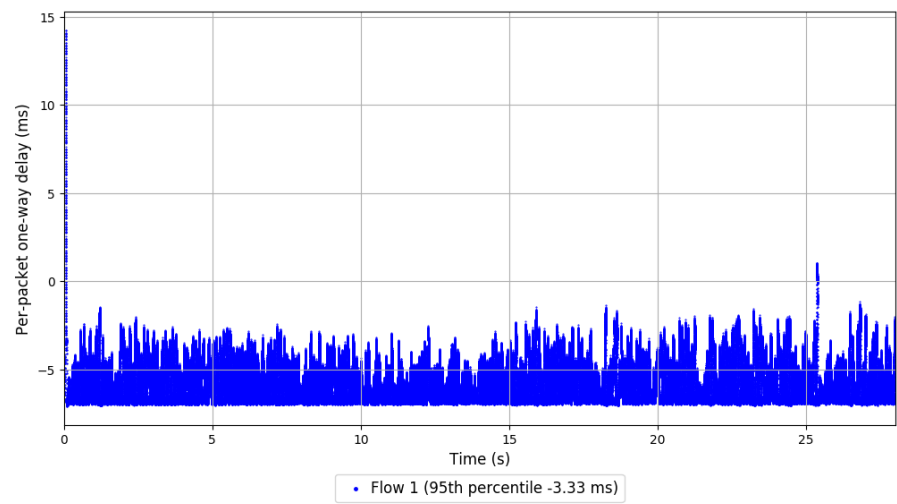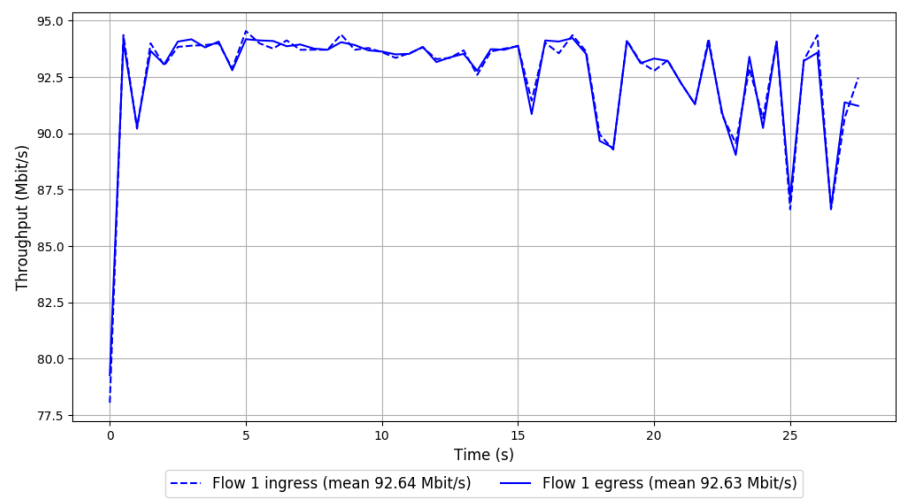

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```
Run 5: Statistics of TaoVA-100x

Start at: 2017-12-11 14:51:35
End at: 2017-12-11 14:52:05
Local clock offset: -0.369 ms
Remote clock offset: -14.429 ms

# Below is generated by plot.py at 2017-12-11 16:59:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: -3.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: -3.331 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 92.64 Mbit/s)   Flow 1 egress (mean 92.63 Mbit/s)
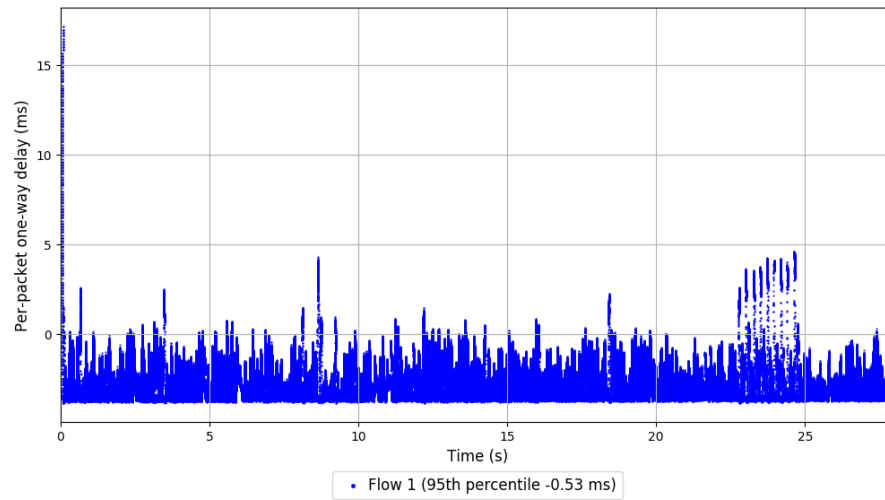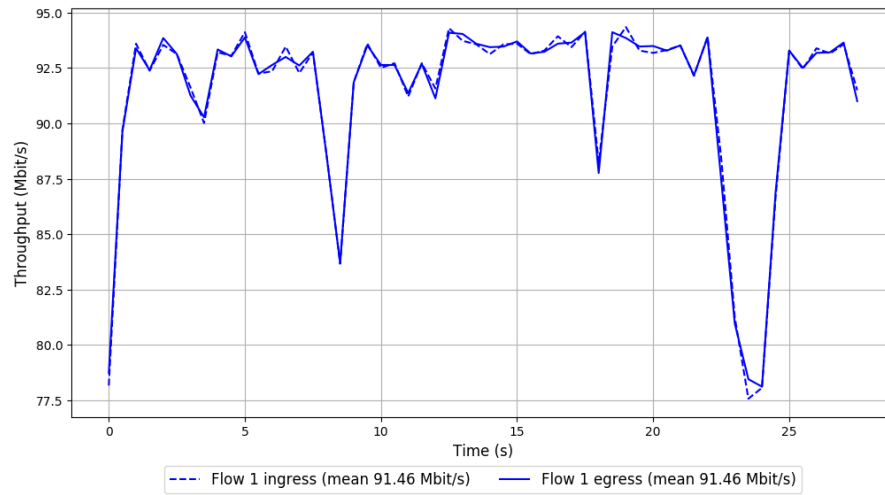

Flow 1 (95th percentile -3.33 ms)

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

Start at: 2017-12-11 15:08:45
End at: 2017-12-11 15:09:15
Local clock offset: -5.838 ms
Remote clock offset: -16.446 ms

# Below is generated by plot.py at 2017-12-11 16:59:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: -0.532 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: -0.532 ms
Loss rate: 0.00%
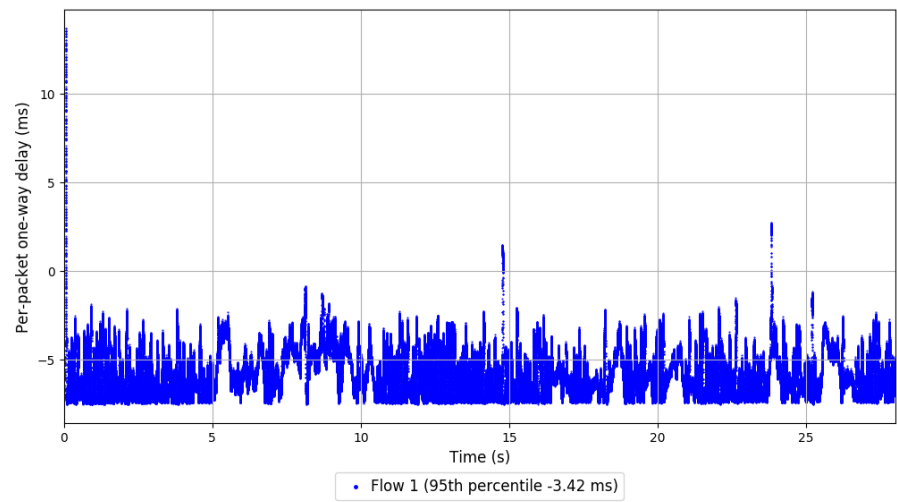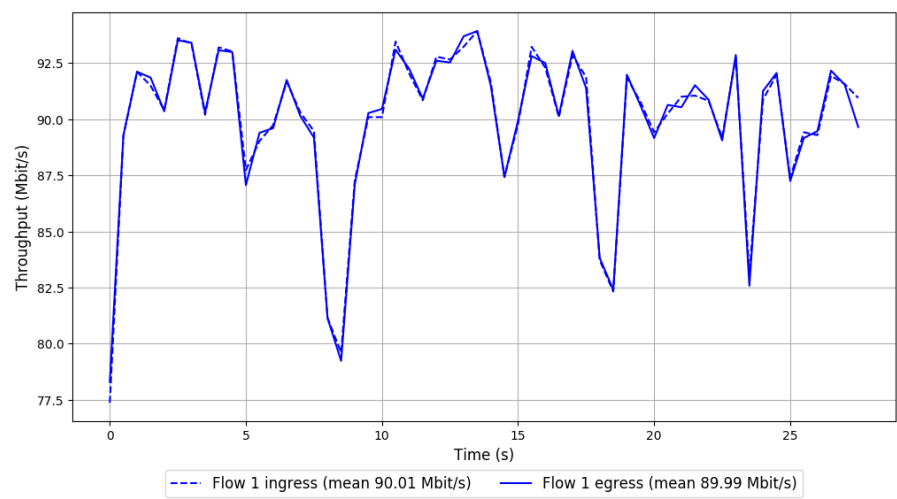```

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

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

Start at: 2017-12-11 15:26:02
End at: 2017-12-11 15:26:32
Local clock offset: 0.73 ms
Remote clock offset: -16.479 ms

Below is generated by plot.py at 2017-12-11 16:59:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: -3.415 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: -3.415 ms
Loss rate: 0.02%
```
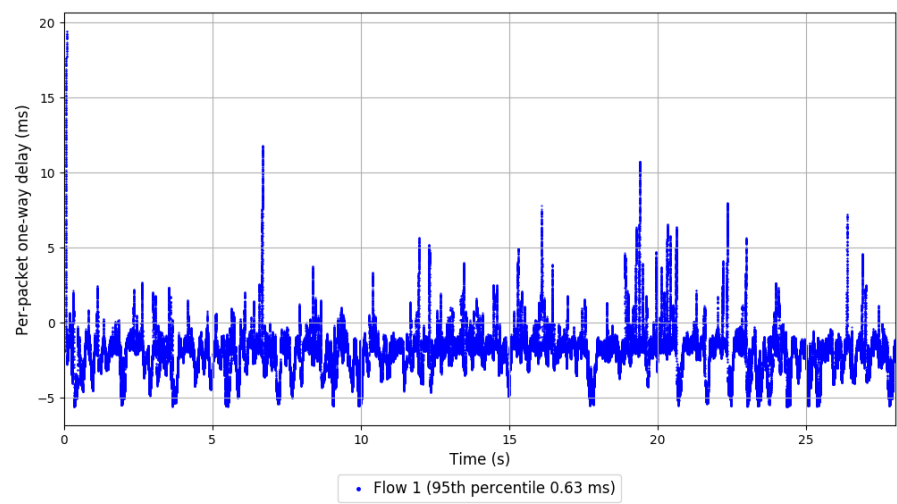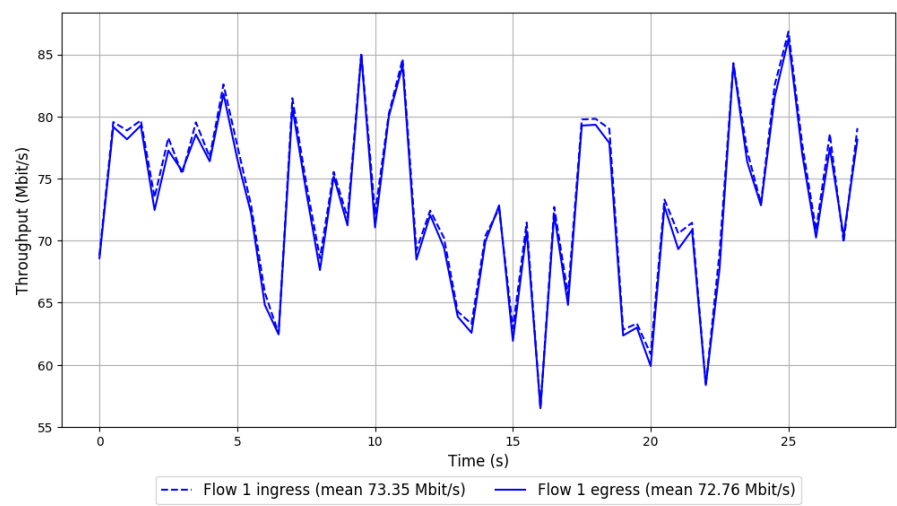
# Run 7: Report of TaoVA-100x — Data Link





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

Start at: 2017-12-11 15:42:23
End at: 2017-12-11 15:42:53
Local clock offset: -1.977 ms
Remote clock offset: -15.991 ms

Below is generated by plot.py at 2017-12-11 16:59:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 72.76 Mbit/s
95th percentile per-packet one-way delay: 0.632 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 72.76 Mbit/s
95th percentile per-packet one-way delay: 0.632 ms
Loss rate: 0.81%
```
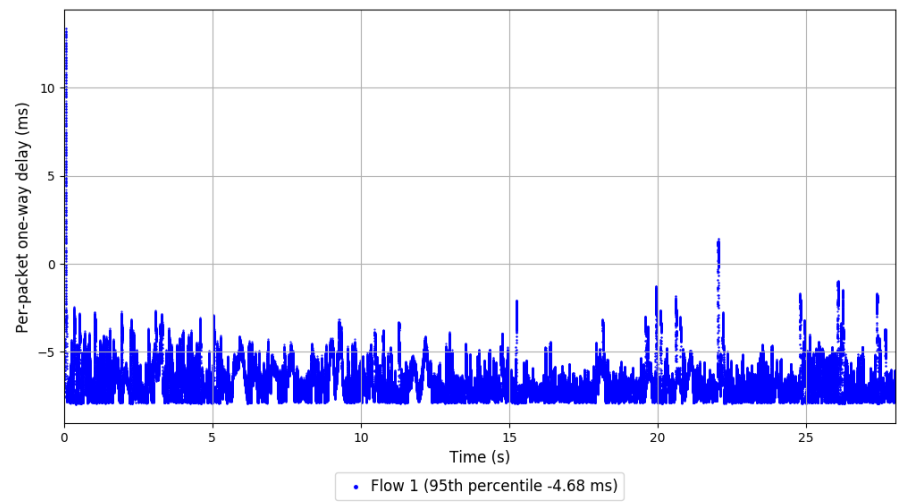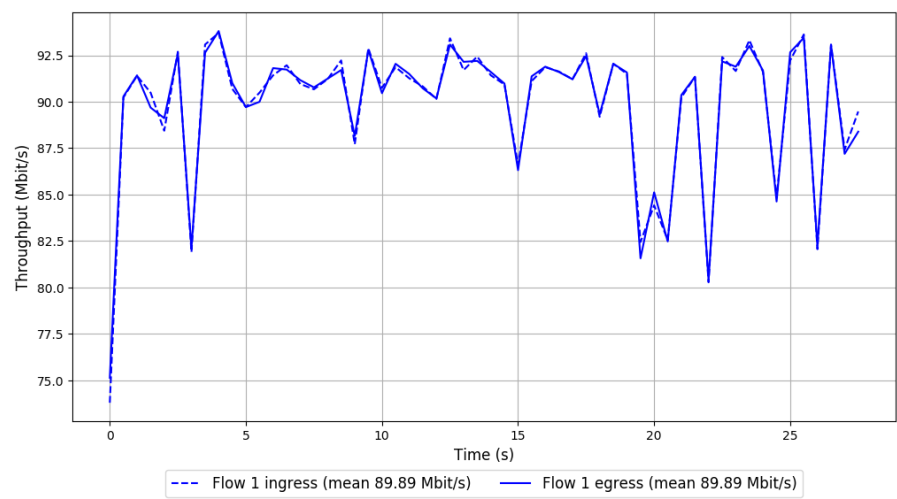
# Run 8: Report of TaoVA-100x — Data Link

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

Start at: 2017-12-11 15:58:44
End at: 2017-12-11 15:59:14
Local clock offset: -1.656 ms
Remote clock offset: -18.301 ms


# Below is generated by plot.py at 2017-12-11 17:00:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: -4.679 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: -4.679 ms
Loss rate: 0.00%
```

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

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

Start at: 2017-12-11 16:15:16
End at: 2017-12-11 16:15:46
Local clock offset: -0.939 ms
Remote clock offset: -18.514 ms


# Below is generated by plot.py at 2017-12-11 17:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.36 Mbit/s
95th percentile per-packet one-way delay: -4.483 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 90.36 Mbit/s
95th percentile per-packet one-way delay: -4.483 ms
Loss rate: 0.47%
```
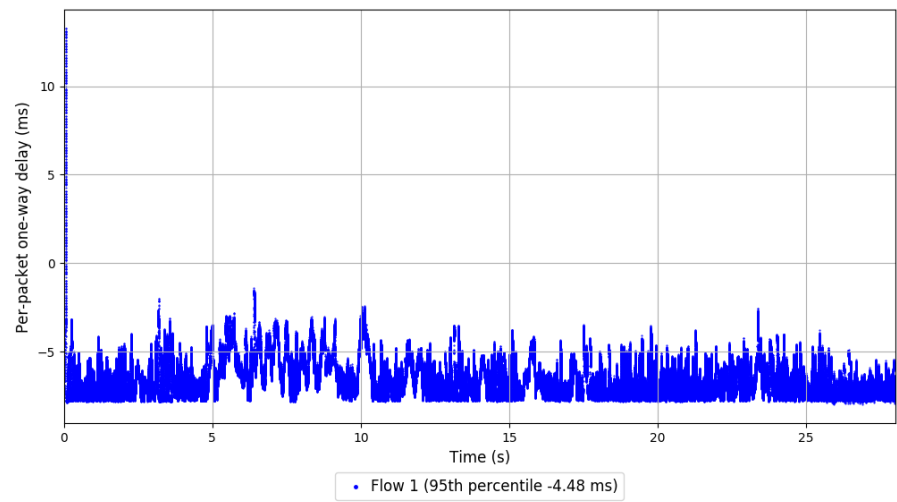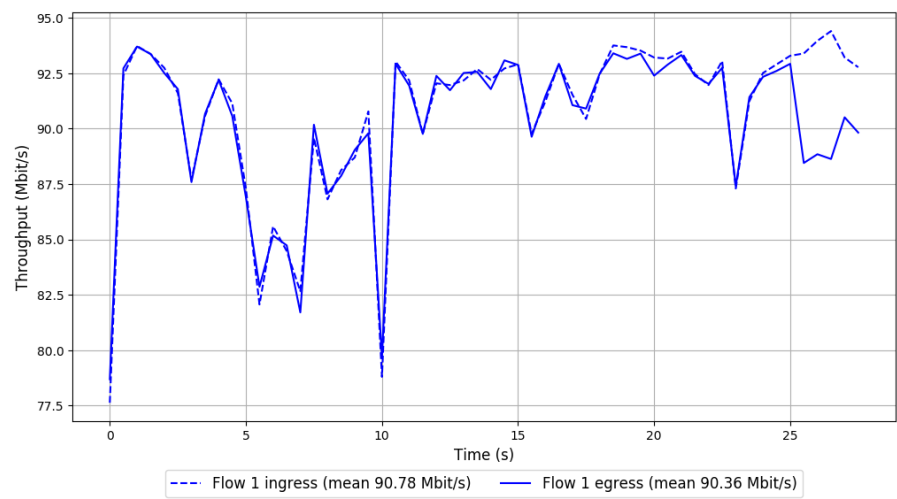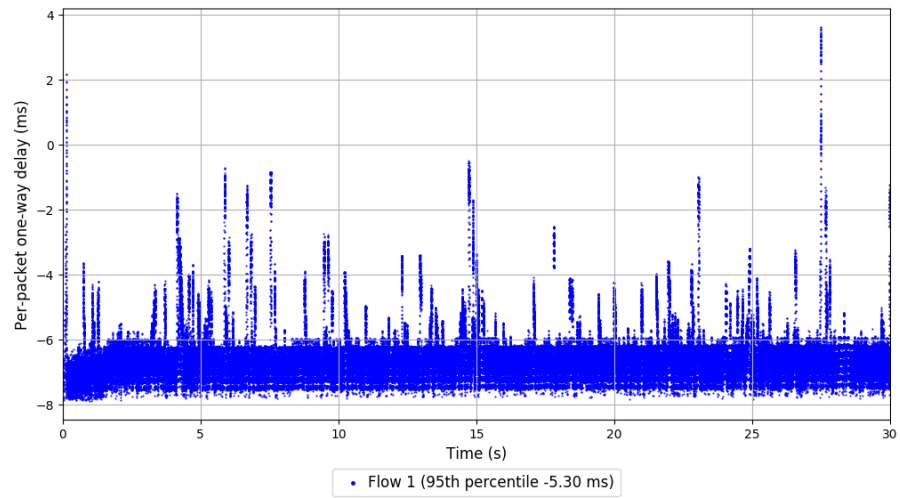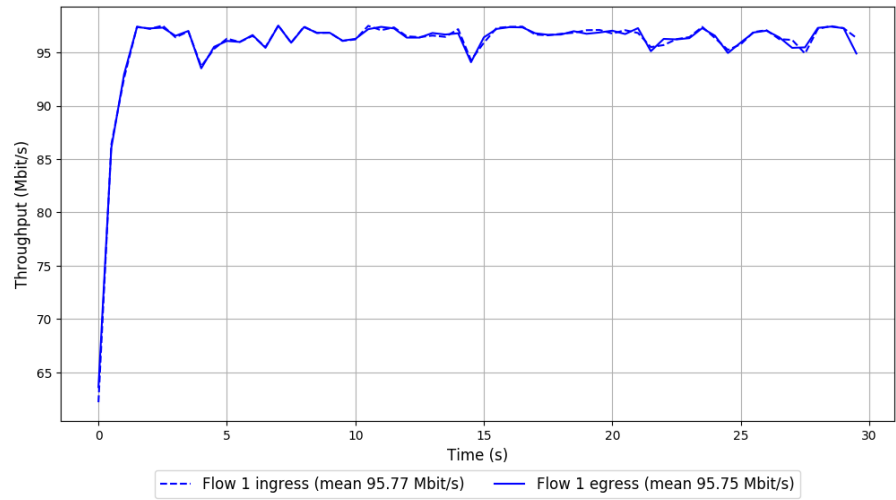
Run 10: Report of TaoVA-100x — Data Link

```
Run 1: Statistics of TCP Vegas

Start at: 2017-12-11 13:48:15
End at: 2017-12-11 13:48:45
Local clock offset: -1.002 ms
Remote clock offset: -13.704 ms


# Below is generated by plot.py at 2017-12-11 17:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: -5.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: -5.298 ms
Loss rate: 0.00%
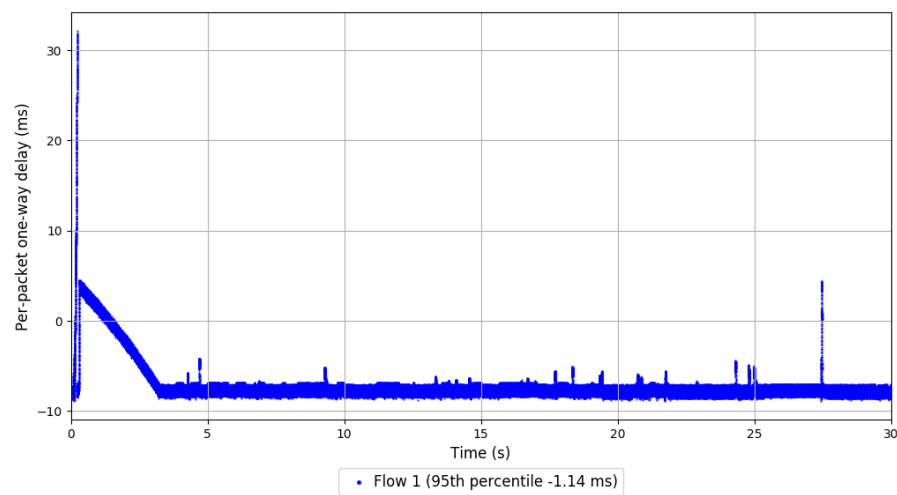```

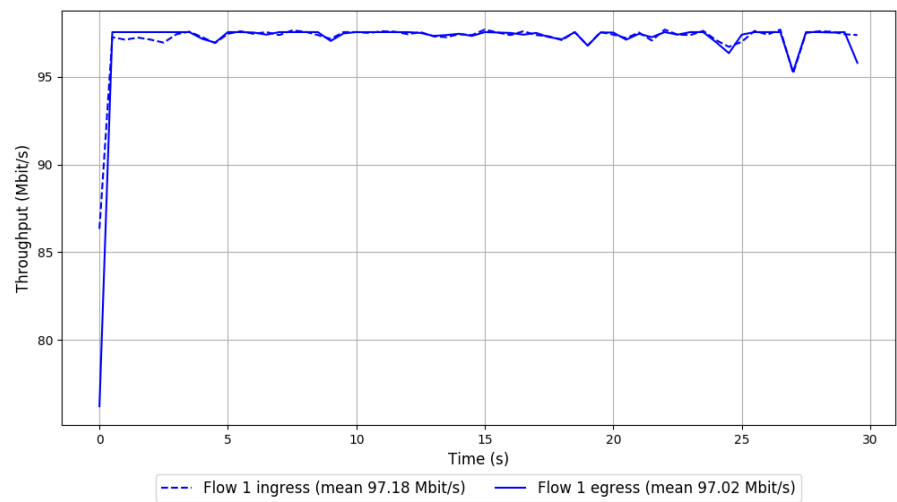Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2017-12-11 14:05:24
End at: 2017-12-11 14:05:54
Local clock offset: 0.911 ms
Remote clock offset: -13.907 ms


# Below is generated by plot.py at 2017-12-11 17:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: -1.139 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 97.02 Mbit/s
95th percentile per-packet one-way delay: -1.139 ms
Loss rate: 0.16%
```

Run 2: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 97.18 Mbit/s)   Flow 1 egress (mean 97.02 Mbit/s)
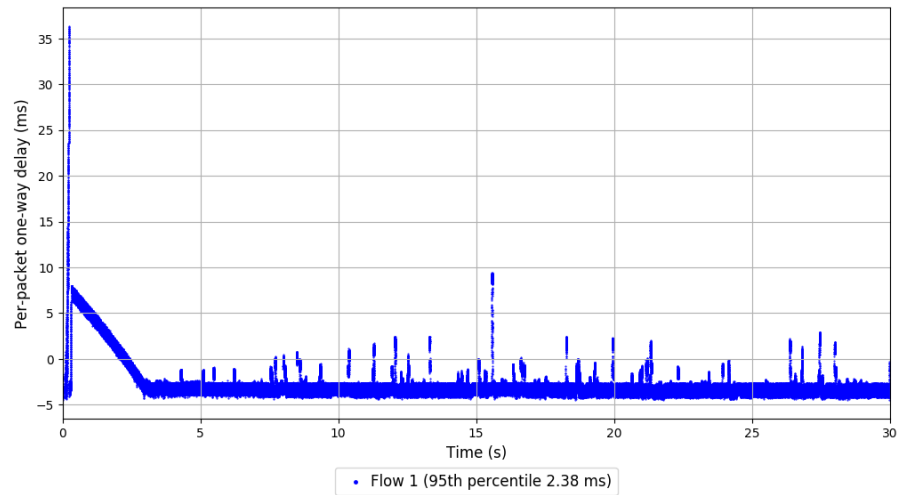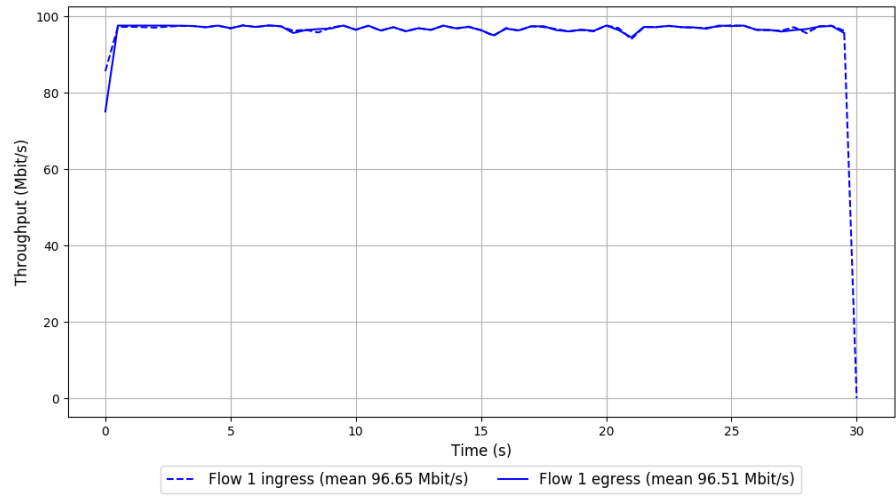

Flow 1 (95th percentile -1.14 ms)

```
Run 3: Statistics of TCP Vegas

Start at: 2017-12-11 14:22:46
End at: 2017-12-11 14:23:16
Local clock offset: -2.469 ms
Remote clock offset: -12.983 ms


# Below is generated by plot.py at 2017-12-11 17:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 2.378 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 2.378 ms
Loss rate: 0.16%
```

Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.65 Mbit/s) --- Flow 1 egress (mean 96.51 Mbit/s)
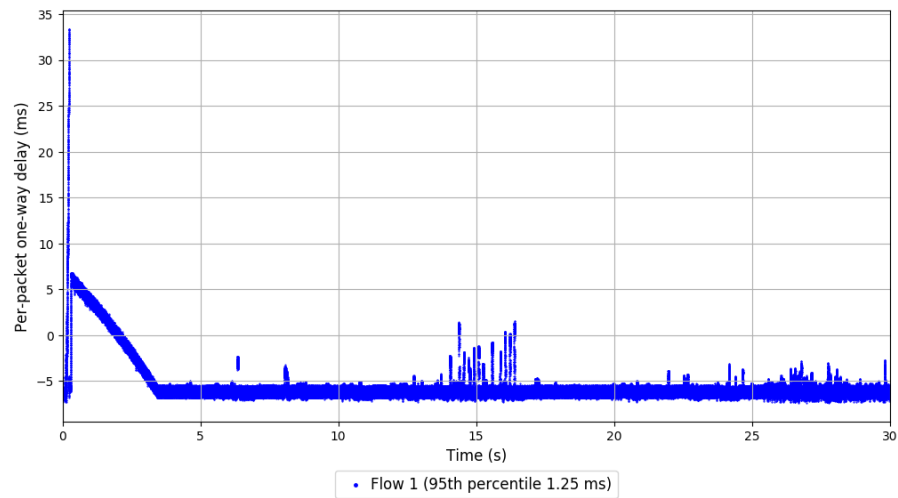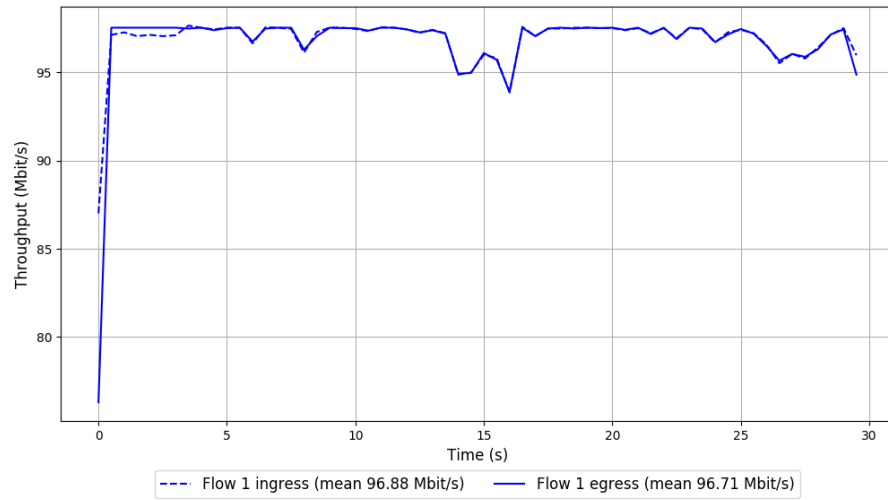

• Flow 1 (95th percentile 2.38 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2017-12-11 14:39:39
End at: 2017-12-11 14:40:09
Local clock offset: -1.914 ms
Remote clock offset: -14.445 ms


# Below is generated by plot.py at 2017-12-11 17:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 1.252 ms
Loss rate: 0.16%
```
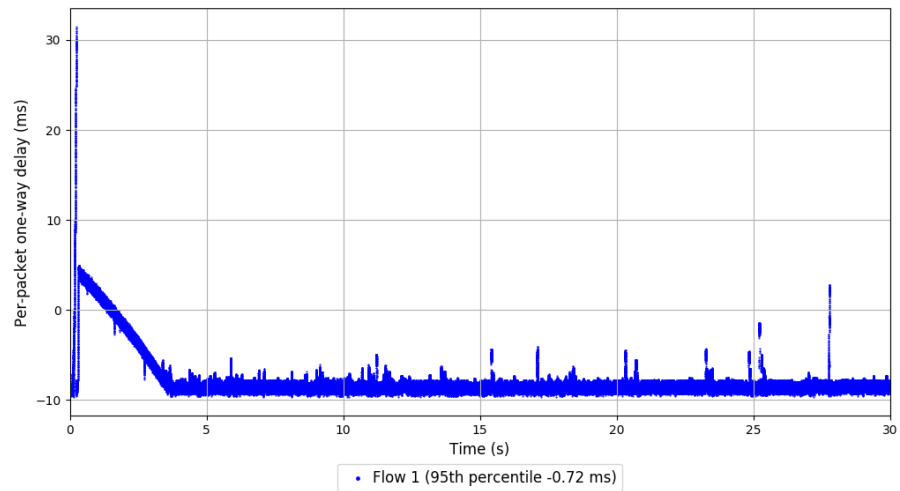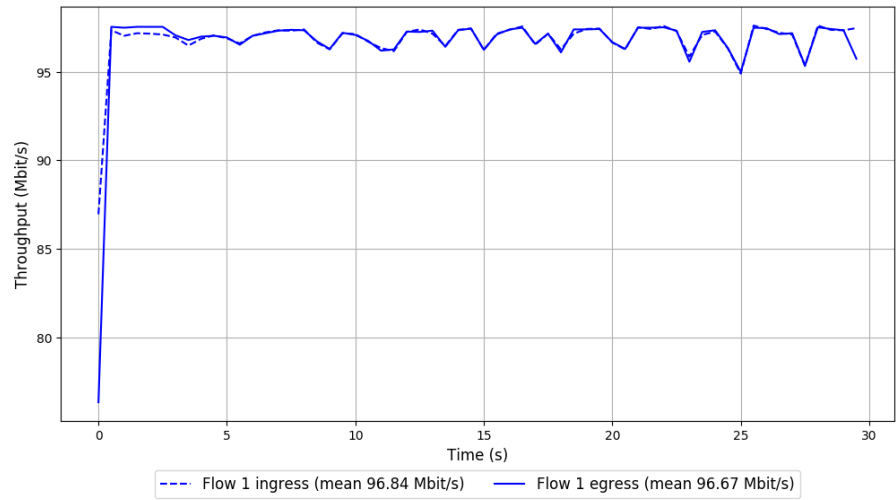
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2017-12-11 14:56:26
End at: 2017-12-11 14:56:56
Local clock offset: 1.825 ms
Remote clock offset: -13.973 ms


# Below is generated by plot.py at 2017-12-11 17:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: -0.723 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: -0.723 ms
Loss rate: 0.17%
```

Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.84 Mbit/s)   Flow 1 egress (mean 96.67 Mbit/s)
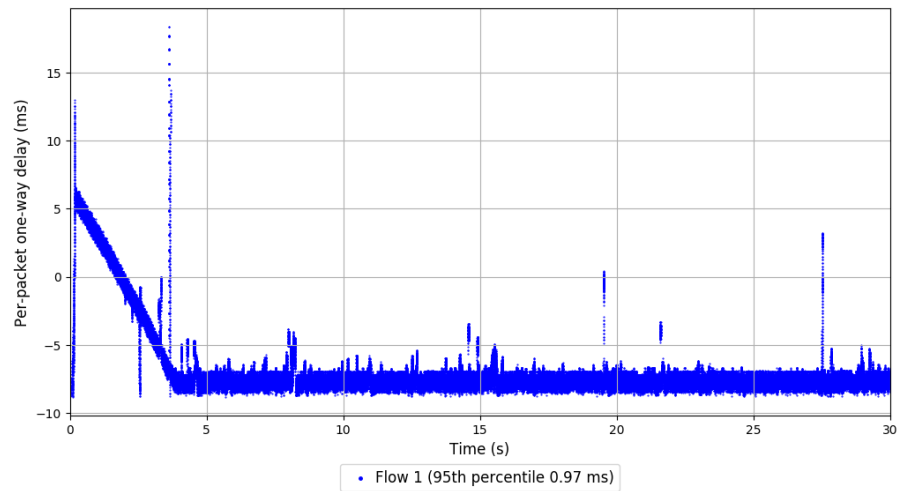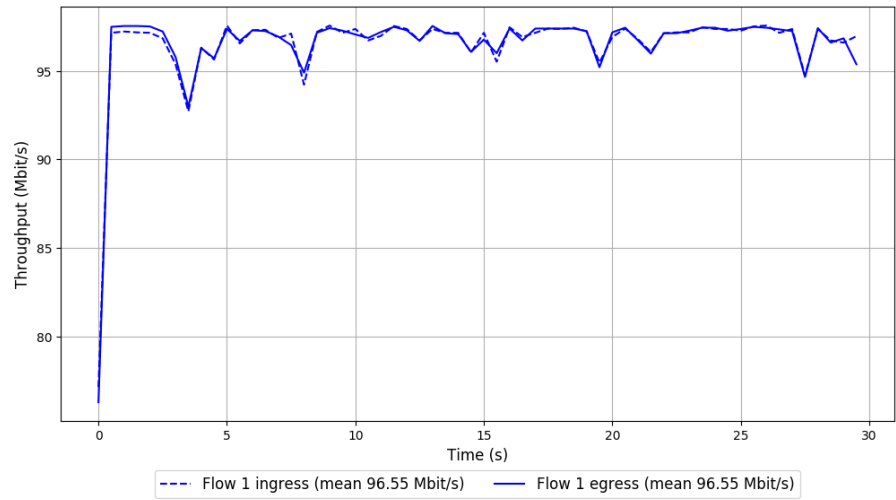

Flow 1 (95th percentile -0.72 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2017-12-11 15:13:37
End at: 2017-12-11 15:14:07
Local clock offset: -0.897 ms
Remote clock offset: -17.041 ms


# Below is generated by plot.py at 2017-12-11 17:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 0.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 0.974 ms
Loss rate: 0.00%
```

Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.55 Mbit/s) — — — Flow 1 egress (mean 96.55 Mbit/s)
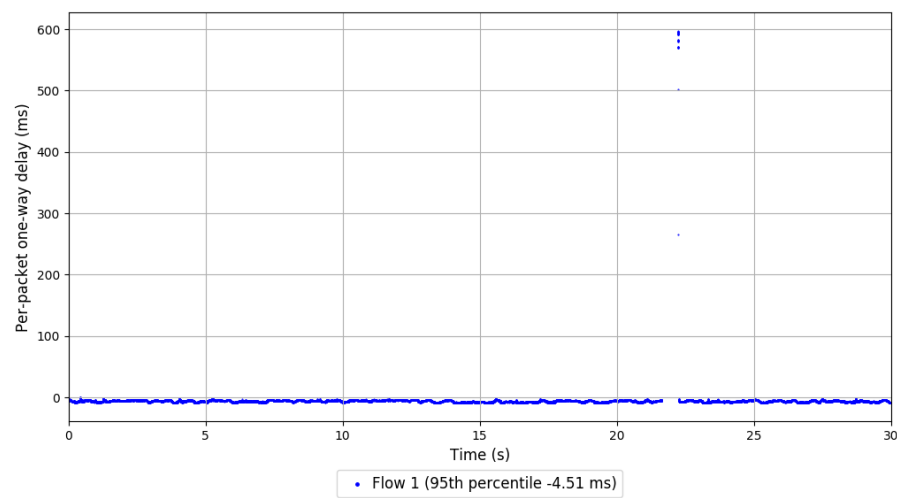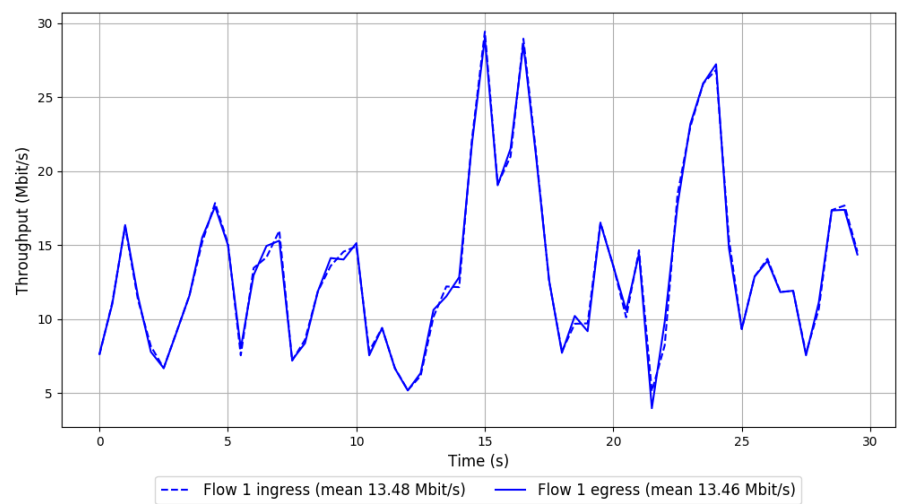

• Flow 1 (95th percentile 0.97 ms)

195

```
Run 7: Statistics of TCP Vegas

Start at: 2017-12-11 15:30:47
End at: 2017-12-11 15:31:17
Local clock offset: 0.368 ms
Remote clock offset: -17.195 ms


# Below is generated by plot.py at 2017-12-11 17:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.46 Mbit/s
95th percentile per-packet one-way delay: -4.506 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 13.46 Mbit/s
95th percentile per-packet one-way delay: -4.506 ms
Loss rate: 0.14%
```

Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 13.48 Mbit/s) --- Flow 1 egress (mean 13.46 Mbit/s)
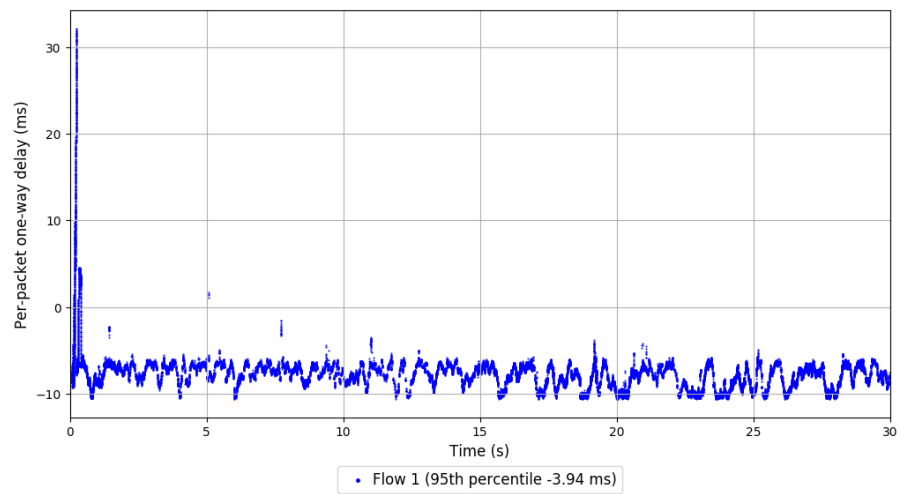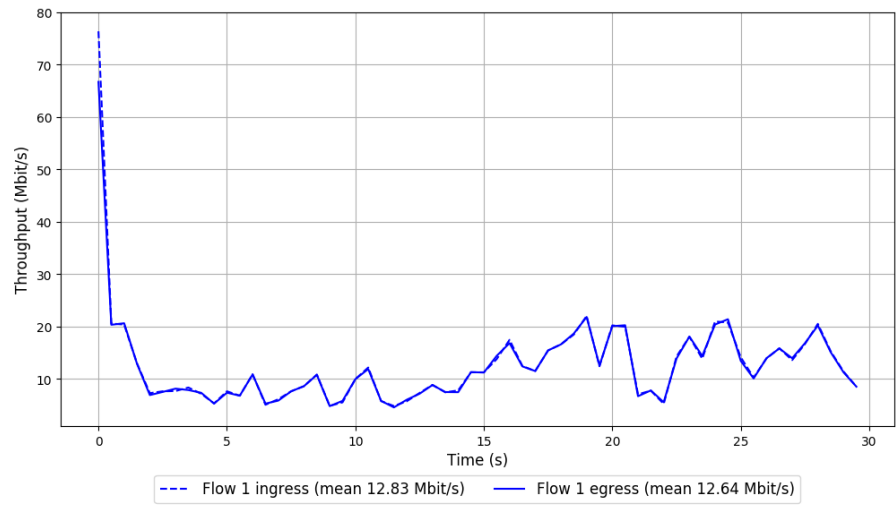

Flow 1 (95th percentile -4.51 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2017-12-11 15:47:07
End at: 2017-12-11 15:47:37
Local clock offset: 0.51 ms
Remote clock offset: -18.327 ms


# Below is generated by plot.py at 2017-12-11 17:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: -3.939 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 12.64 Mbit/s
95th percentile per-packet one-way delay: -3.939 ms
Loss rate: 1.48%
```

Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 12.83 Mbit/s)   Flow 1 egress (mean 12.64 Mbit/s)

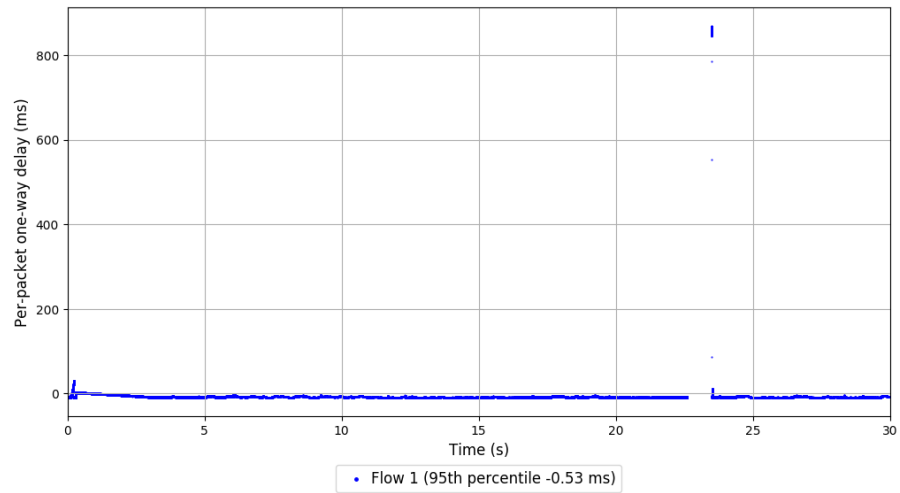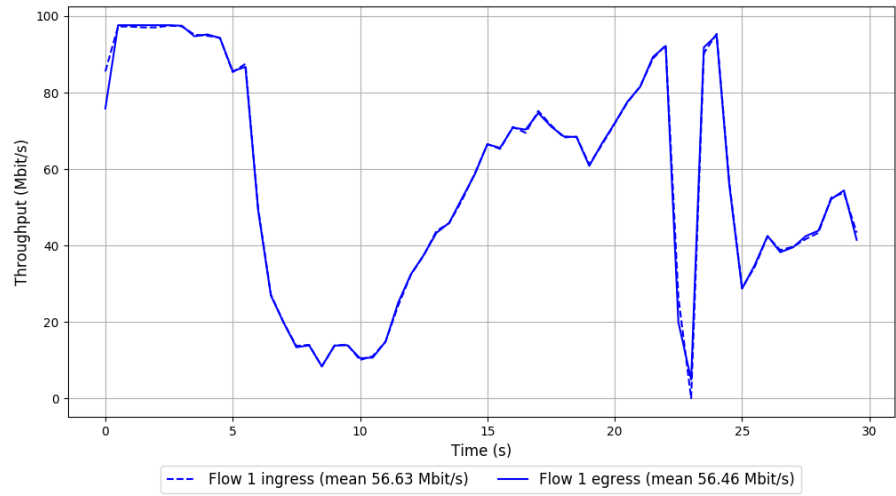Flow 1 (95th percentile -3.94 ms)

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```
Run 9: Statistics of TCP Vegas

Start at: 2017-12-11 16:03:34
End at: 2017-12-11 16:04:04
Local clock offset: 0.409 ms
Remote clock offset: -18.582 ms


# Below is generated by plot.py at 2017-12-11 17:01:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.46 Mbit/s
95th percentile per-packet one-way delay: -0.528 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 56.46 Mbit/s
95th percentile per-packet one-way delay: -0.528 ms
Loss rate: 0.29%
```
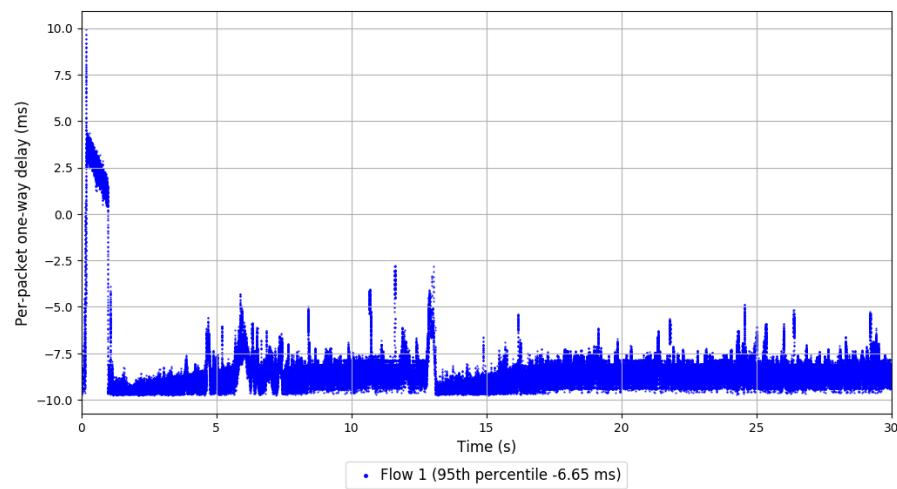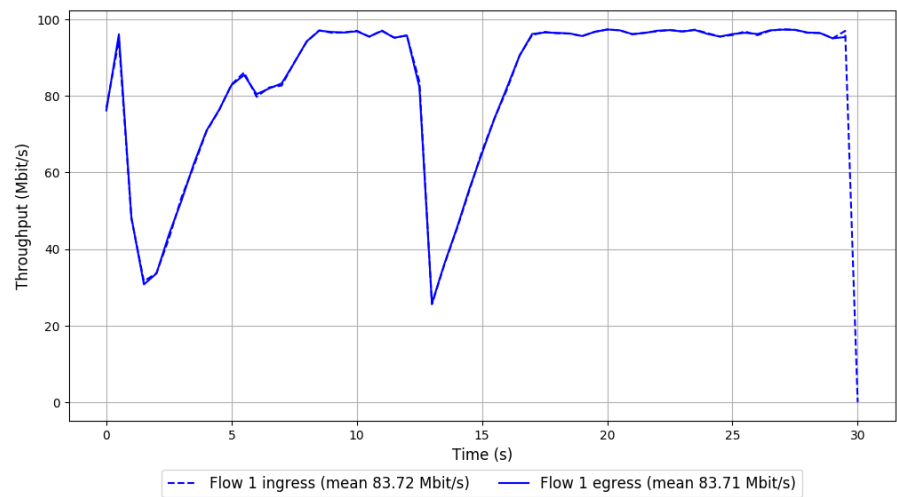
Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: 2017-12-11 16:20:09
End at: 2017-12-11 16:20:39
Local clock offset: 0.416 ms
Remote clock offset: -19.596 ms


# Below is generated by plot.py at 2017-12-11 17:01:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: -6.648 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.71 Mbit/s
95th percentile per-packet one-way delay: -6.648 ms
Loss rate: 0.01%
```

Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 83.72 Mbit/s)   Flow 1 egress (mean 83.71 Mbit/s)
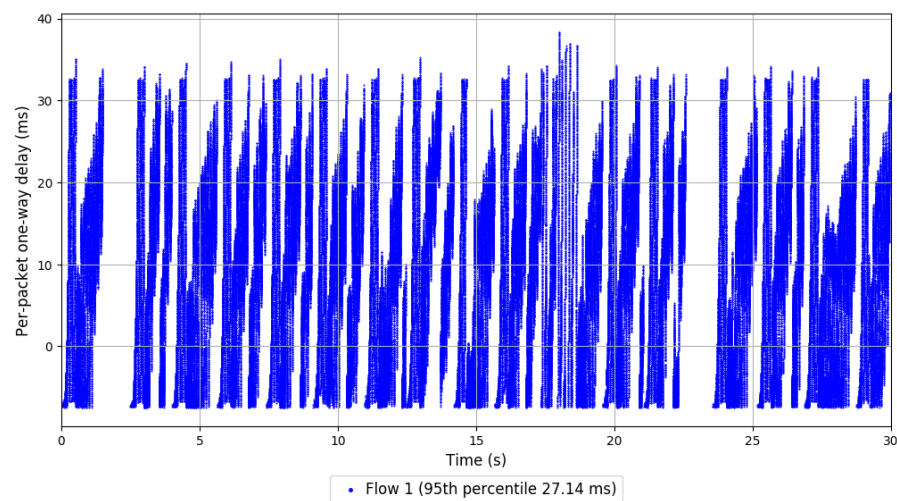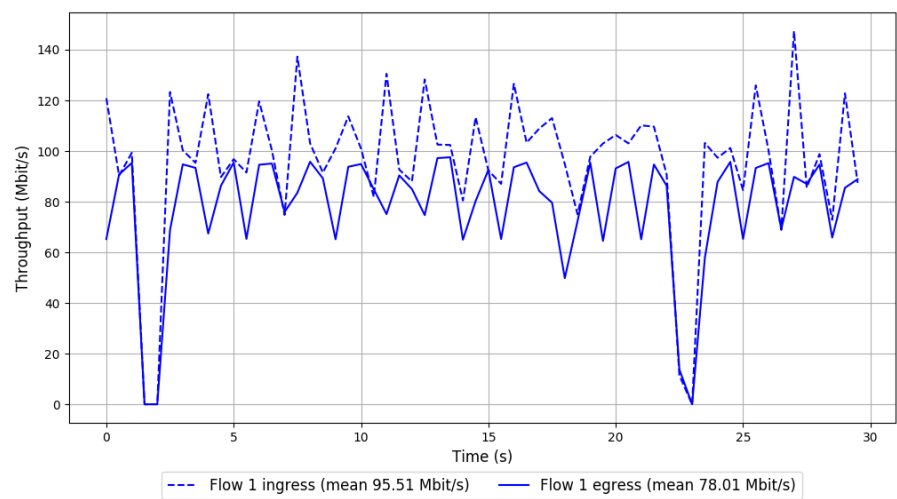

Flow 1 (95th percentile -6.65 ms)

```
Run 1: Statistics of Verus

Start at: 2017-12-11 13:40:42
End at: 2017-12-11 13:41:12
Local clock offset: -0.381 ms
Remote clock offset: -12.339 ms


# Below is generated by plot.py at 2017-12-11 17:01:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.01 Mbit/s
95th percentile per-packet one-way delay: 27.137 ms
Loss rate: 18.23%
-- Flow 1:
Average throughput: 78.01 Mbit/s
95th percentile per-packet one-way delay: 27.137 ms
Loss rate: 18.23%
```
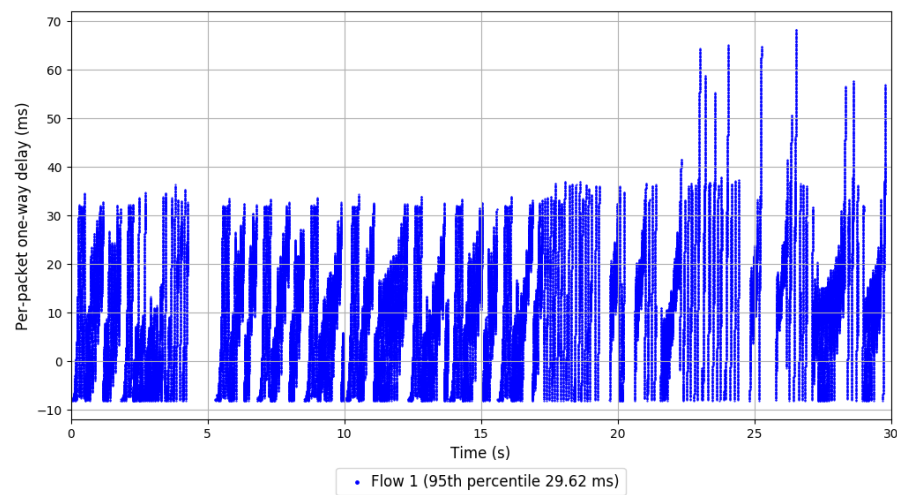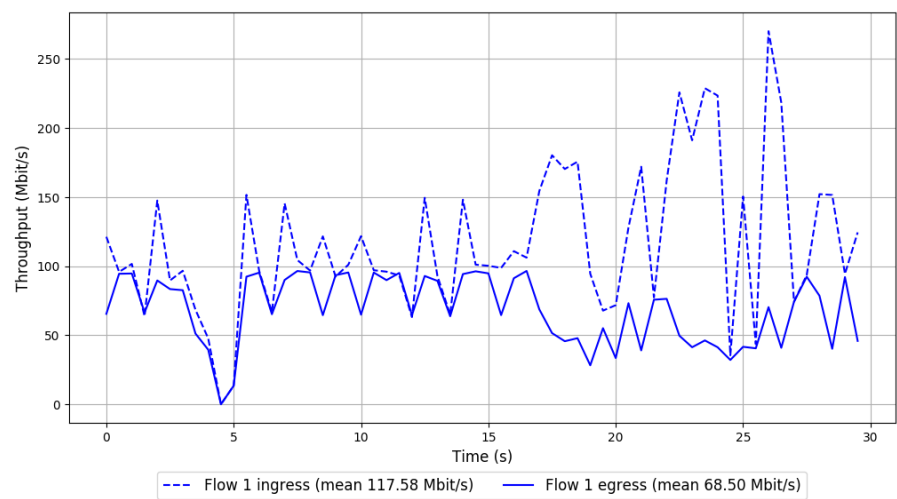
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2017-12-11 13:58:07
End at: 2017-12-11 13:58:37
Local clock offset: -0.191 ms
Remote clock offset: -14.511 ms


# Below is generated by plot.py at 2017-12-11 17:01:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.50 Mbit/s
95th percentile per-packet one-way delay: 29.623 ms
Loss rate: 41.63%
-- Flow 1:
Average throughput: 68.50 Mbit/s
95th percentile per-packet one-way delay: 29.623 ms
Loss rate: 41.63%
```
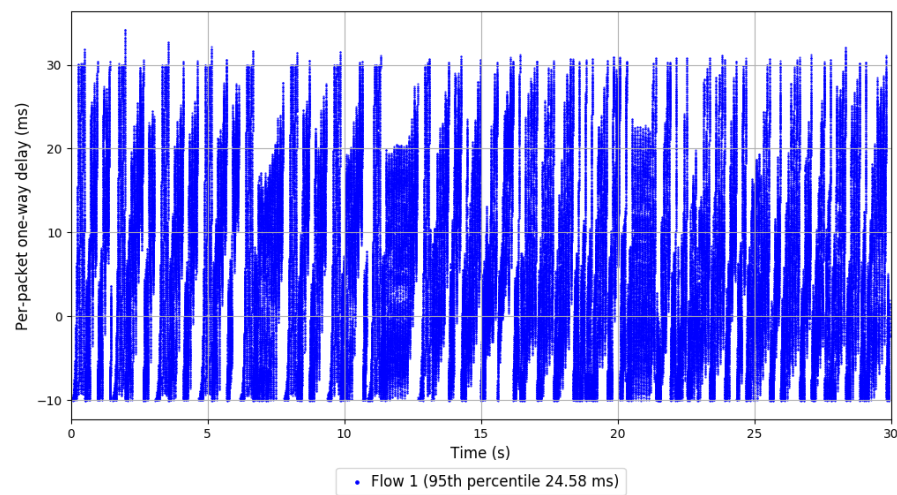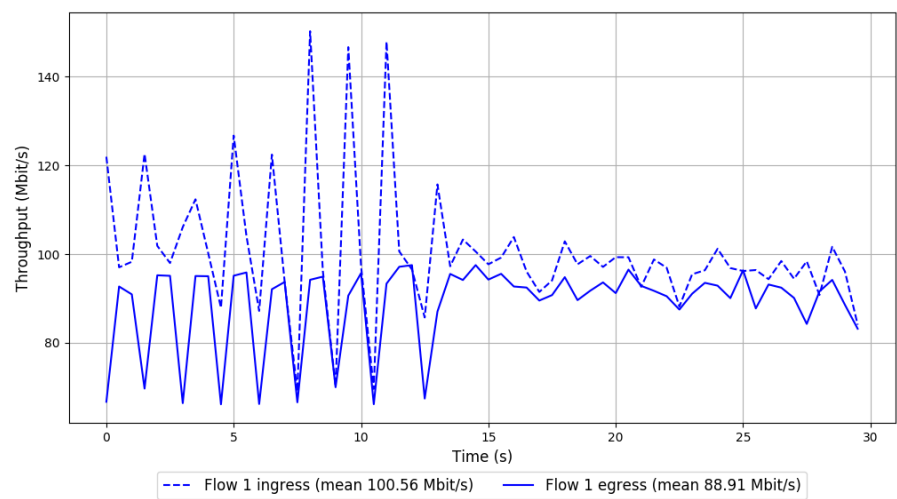
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2017-12-11 14:15:05
End at: 2017-12-11 14:15:35
Local clock offset: 0.551 ms
Remote clock offset: -14.973 ms


# Below is generated by plot.py at 2017-12-11 17:01:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 24.577 ms
Loss rate: 11.55%
-- Flow 1:
Average throughput: 88.91 Mbit/s
95th percentile per-packet one-way delay: 24.577 ms
Loss rate: 11.55%
```
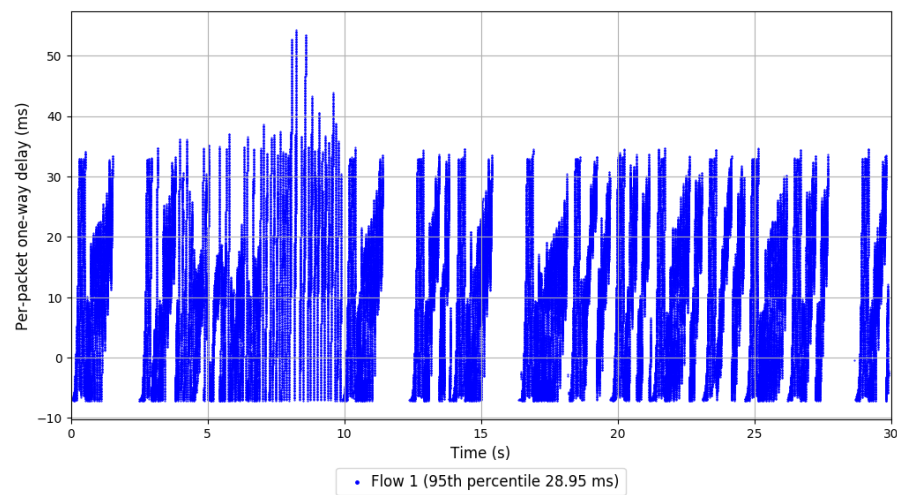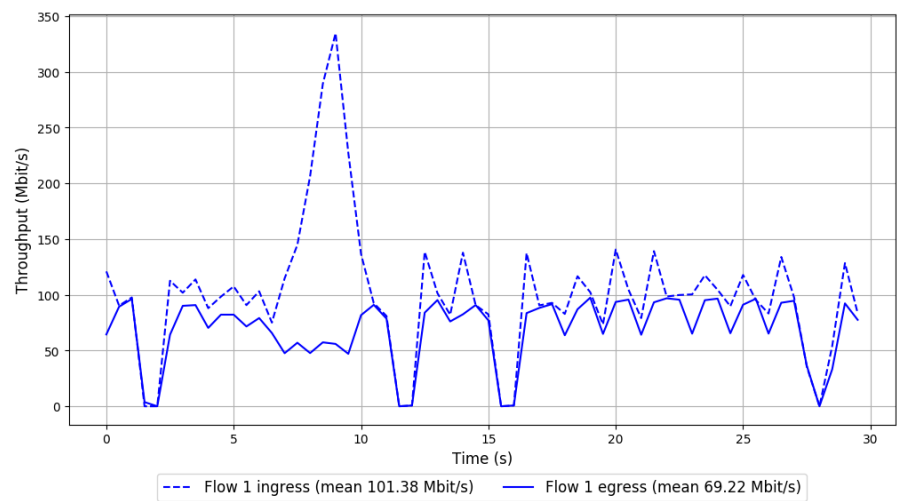
Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2017-12-11 14:32:16
End at: 2017-12-11 14:32:46
Local clock offset: -0.535 ms
Remote clock offset: -13.716 ms

# Below is generated by plot.py at 2017-12-11 17:01:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.22 Mbit/s
95th percentile per-packet one-way delay: 28.954 ms
Loss rate: 31.71%
-- Flow 1:
Average throughput: 69.22 Mbit/s
95th percentile per-packet one-way delay: 28.954 ms
Loss rate: 31.71%
```
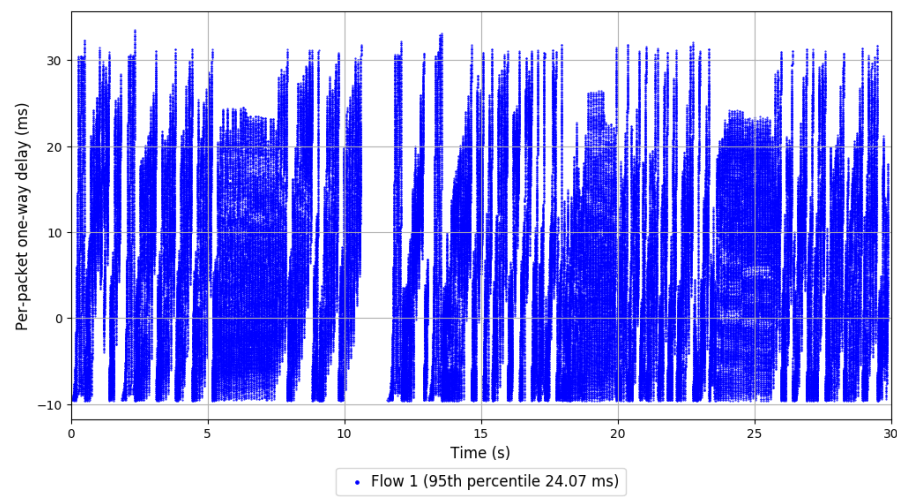
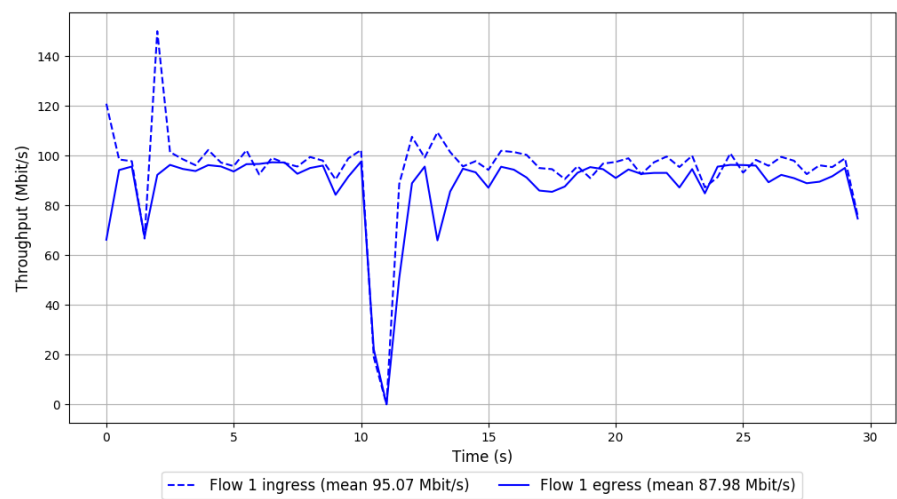## Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2017-12-11 14:49:05
End at: 2017-12-11 14:49:35
Local clock offset: 0.343 ms
Remote clock offset: -15.155 ms

# Below is generated by plot.py at 2017-12-11 17:02:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 24.069 ms
Loss rate: 7.38%
-- Flow 1:
Average throughput: 87.98 Mbit/s
95th percentile per-packet one-way delay: 24.069 ms
Loss rate: 7.38%
```

Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 95.07 Mbit/s)   Flow 1 egress (mean 87.98 Mbit/s)

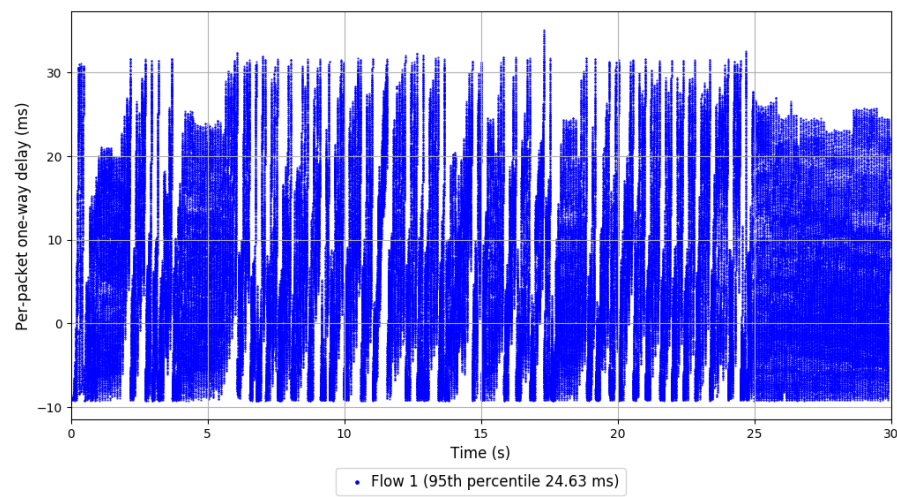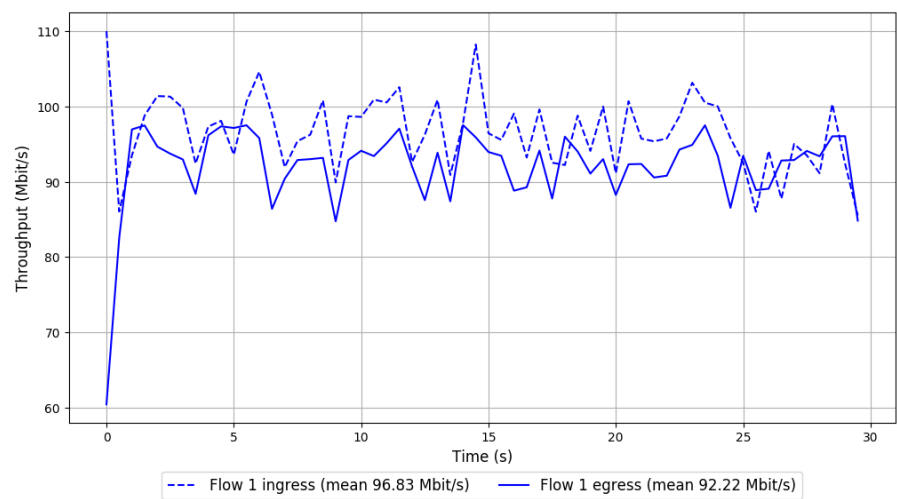

• Flow 1 (95th percentile 24.07 ms)

```
Run 6: Statistics of Verus

Start at: 2017-12-11 15:06:11
End at: 2017-12-11 15:06:41
Local clock offset: 0.417 ms
Remote clock offset: -15.277 ms


# Below is generated by plot.py at 2017-12-11 17:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.22 Mbit/s
95th percentile per-packet one-way delay: 24.627 ms
Loss rate: 4.70%
-- Flow 1:
Average throughput: 92.22 Mbit/s
95th percentile per-packet one-way delay: 24.627 ms
Loss rate: 4.70%
```

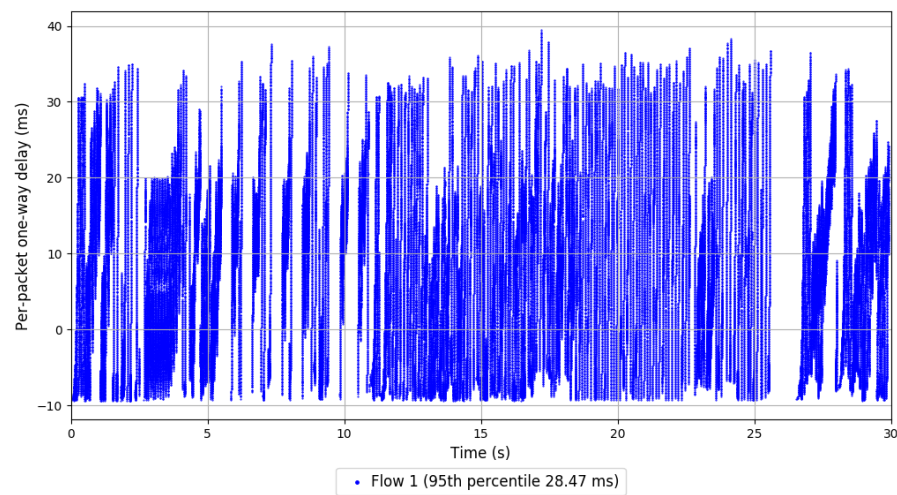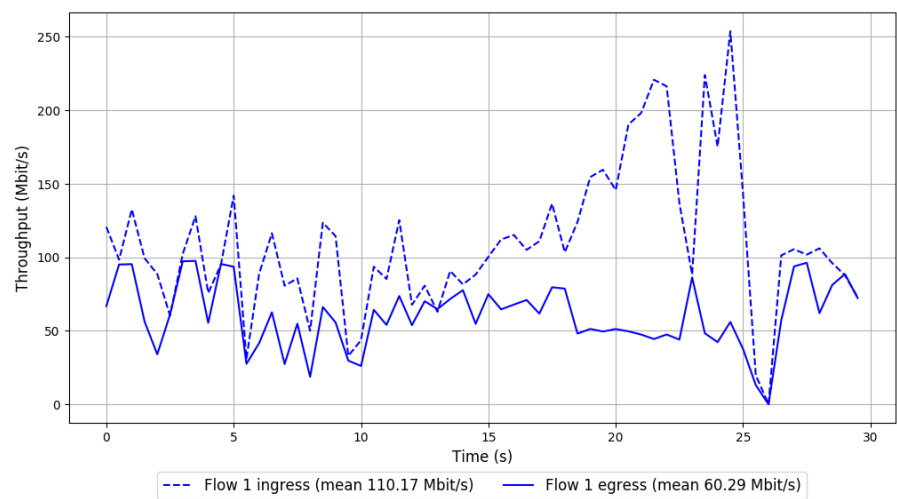# Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2017-12-11 15:23:21
End at: 2017-12-11 15:23:51
Local clock offset: 0.71 ms
Remote clock offset: -17.103 ms


# Below is generated by plot.py at 2017-12-11 17:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 28.466 ms
Loss rate: 45.24%
-- Flow 1:
Average throughput: 60.29 Mbit/s
95th percentile per-packet one-way delay: 28.466 ms
Loss rate: 45.24%
```
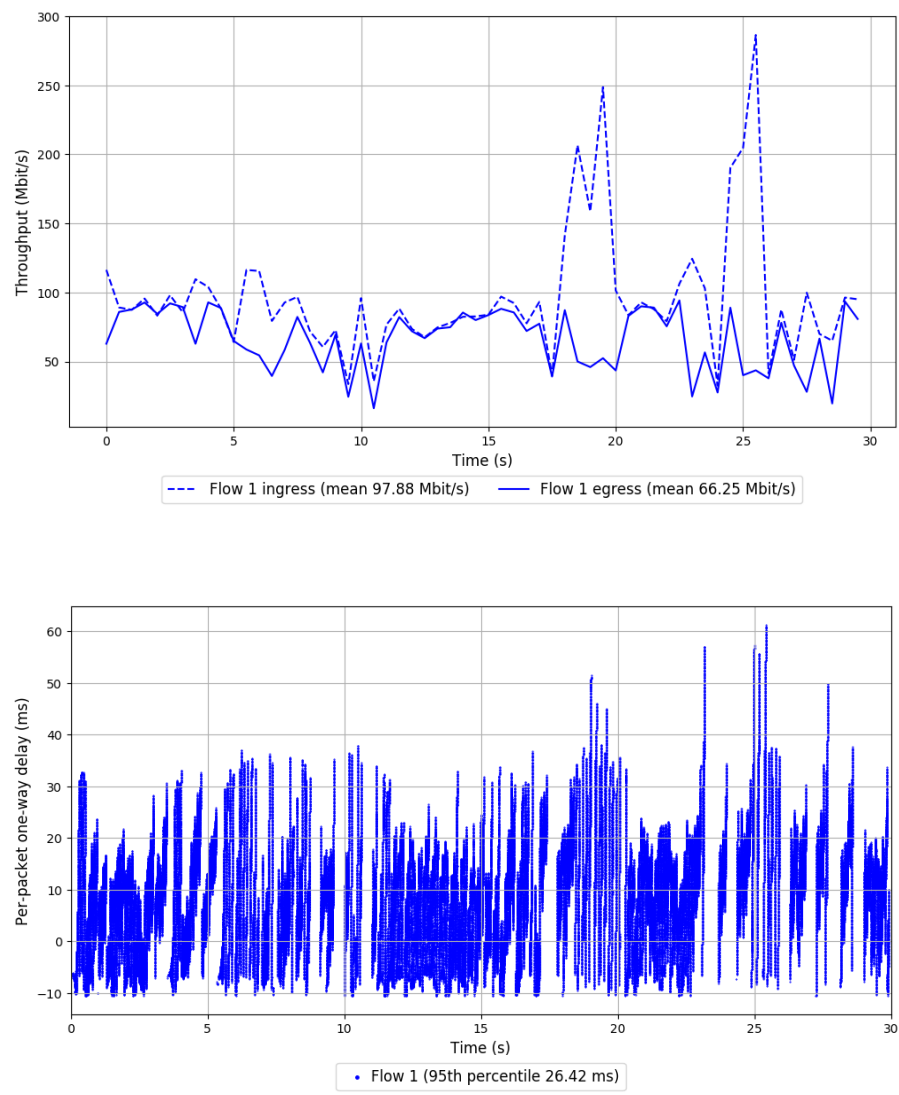
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2017-12-11 15:39:53
End at: 2017-12-11 15:40:23
Local clock offset: 2.302 ms
Remote clock offset: -16.721 ms


# Below is generated by plot.py at 2017-12-11 17:02:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.25 Mbit/s
95th percentile per-packet one-way delay: 26.421 ms
Loss rate: 32.28%
-- Flow 1:
Average throughput: 66.25 Mbit/s
95th percentile per-packet one-way delay: 26.421 ms
Loss rate: 32.28%
```
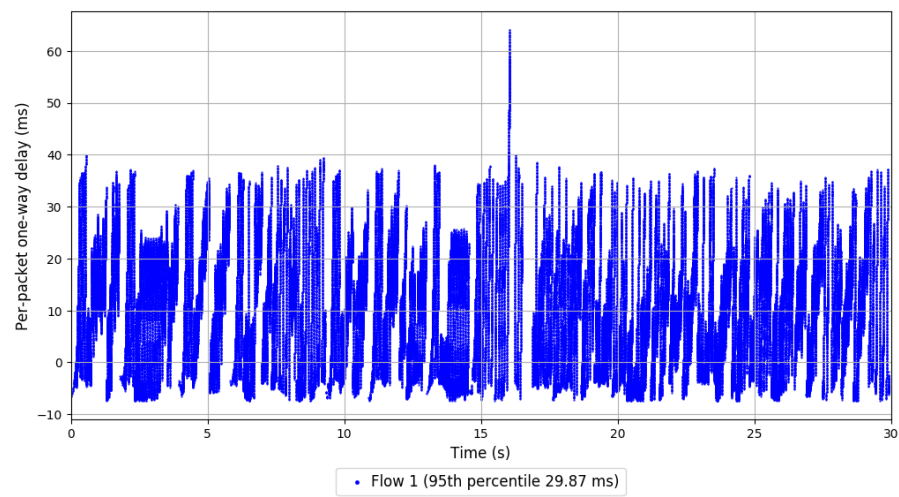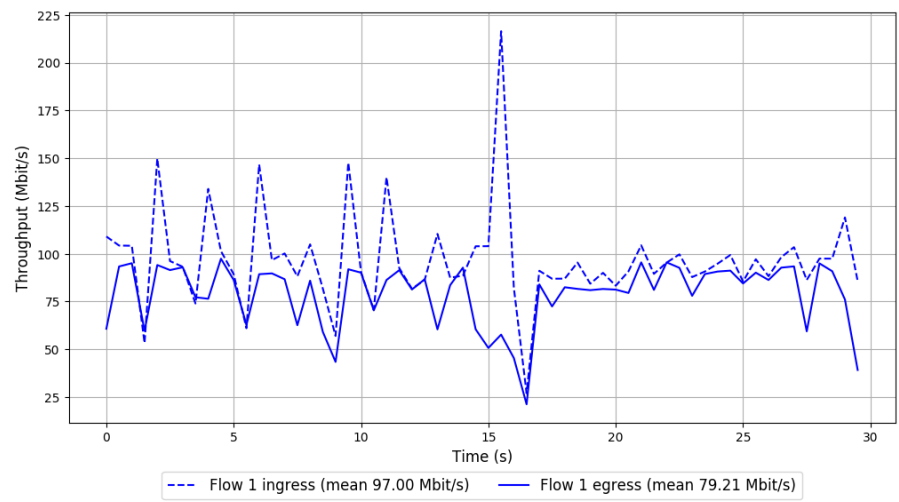
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2017-12-11 15:56:16
End at: 2017-12-11 15:56:46
Local clock offset: -0.108 ms
Remote clock offset: -17.091 ms


# Below is generated by plot.py at 2017-12-11 17:02:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.21 Mbit/s
95th percentile per-packet one-way delay: 29.870 ms
Loss rate: 18.32%
-- Flow 1:
Average throughput: 79.21 Mbit/s
95th percentile per-packet one-way delay: 29.870 ms
Loss rate: 18.32%
```
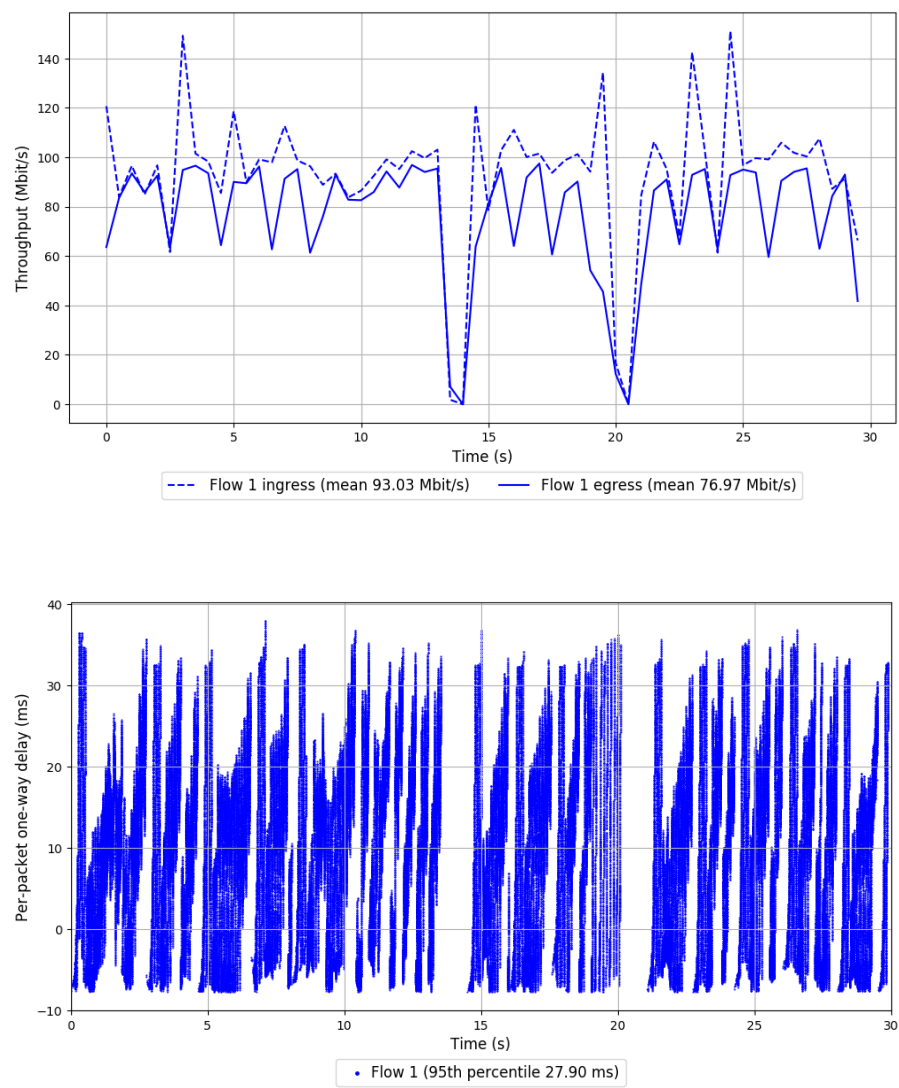
Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2017-12-11 16:12:40
End at: 2017-12-11 16:13:10
Local clock offset: -0.067 ms
Remote clock offset: -18.386 ms

# Below is generated by plot.py at 2017-12-11 17:02:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.97 Mbit/s
95th percentile per-packet one-way delay: 27.904 ms
Loss rate: 17.23%
-- Flow 1:
Average throughput: 76.97 Mbit/s
95th percentile per-packet one-way delay: 27.904 ms
Loss rate: 17.23%
```

Run 10: Report of Verus — Data Link

Flow 1 ingress (mean 93.03 Mbit/s) --- Flow 1 egress (mean 76.97 Mbit/s)
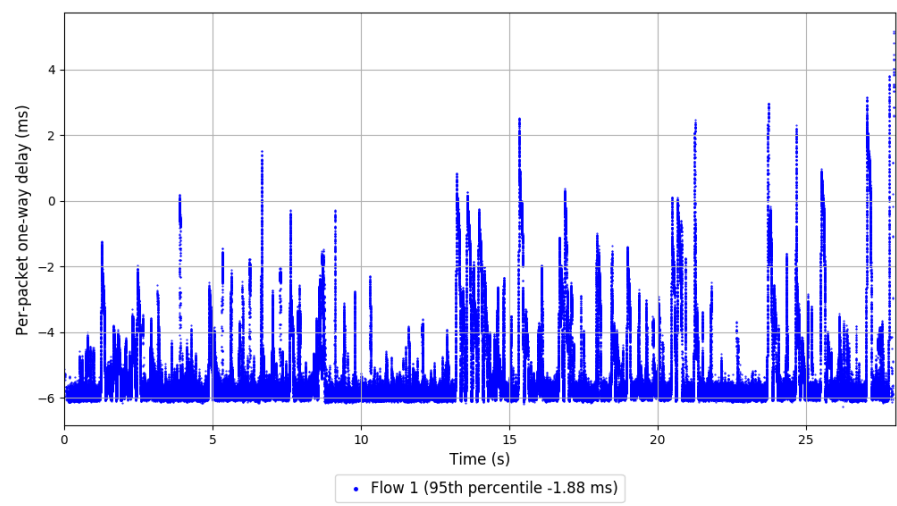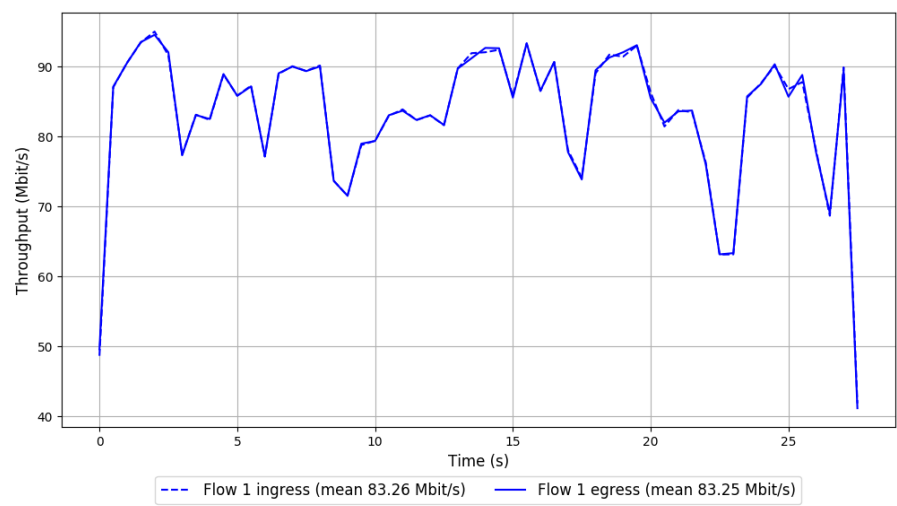

Flow 1 (95th percentile 27.90 ms)

223

```
Run 1: Statistics of Copa

Start at: 2017-12-11 13:51:49
End at: 2017-12-11 13:52:19
Local clock offset: -2.013 ms
Remote clock offset: -14.353 ms


# Below is generated by plot.py at 2017-12-11 17:03:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.25 Mbit/s
95th percentile per-packet one-way delay: -1.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.25 Mbit/s
95th percentile per-packet one-way delay: -1.883 ms
Loss rate: 0.00%
```

Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 83.26 Mbit/s) --- Flow 1 egress (mean 83.25 Mbit/s)

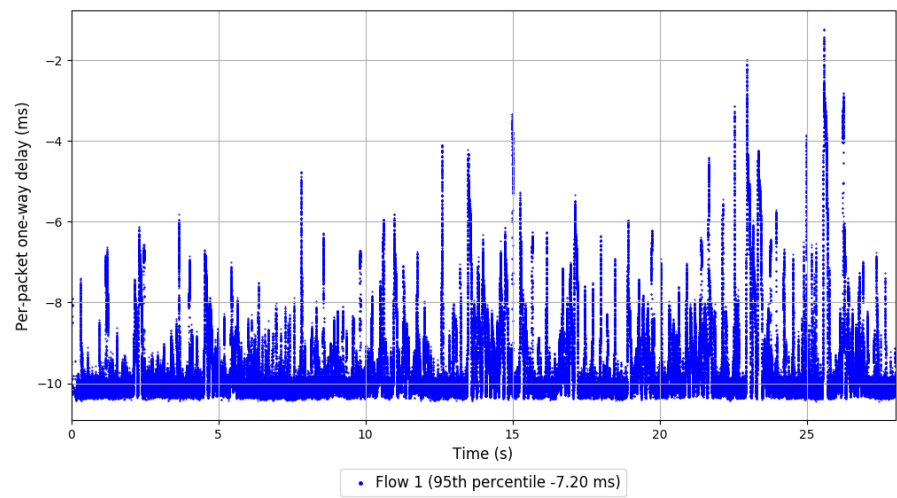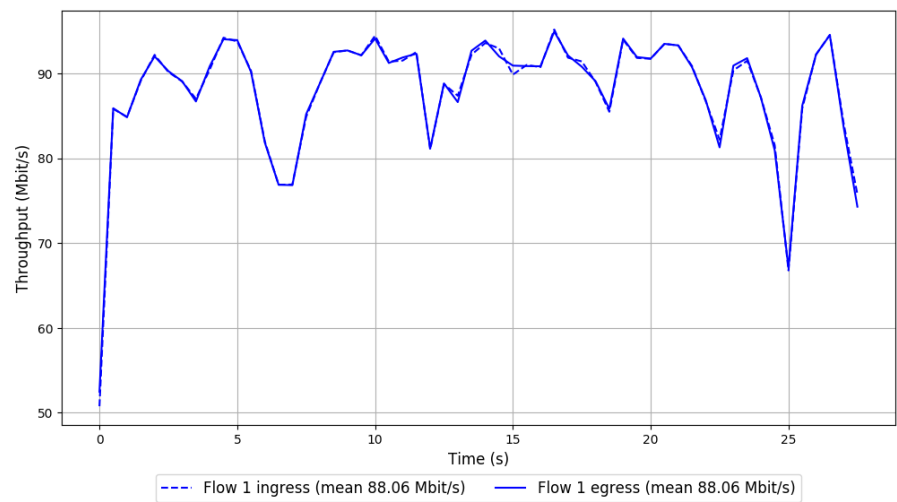Flow 1 (95th percentile -1.88 ms)

```
Run 2: Statistics of Copa

Start at: 2017-12-11 14:08:57
End at: 2017-12-11 14:09:27
Local clock offset: -0.571 ms
Remote clock offset: -16.873 ms


# Below is generated by plot.py at 2017-12-11 17:03:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: -7.201 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.06 Mbit/s
95th percentile per-packet one-way delay: -7.201 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 88.06 Mbit/s) ----- Flow 1 egress (mean 88.06 Mbit/s)

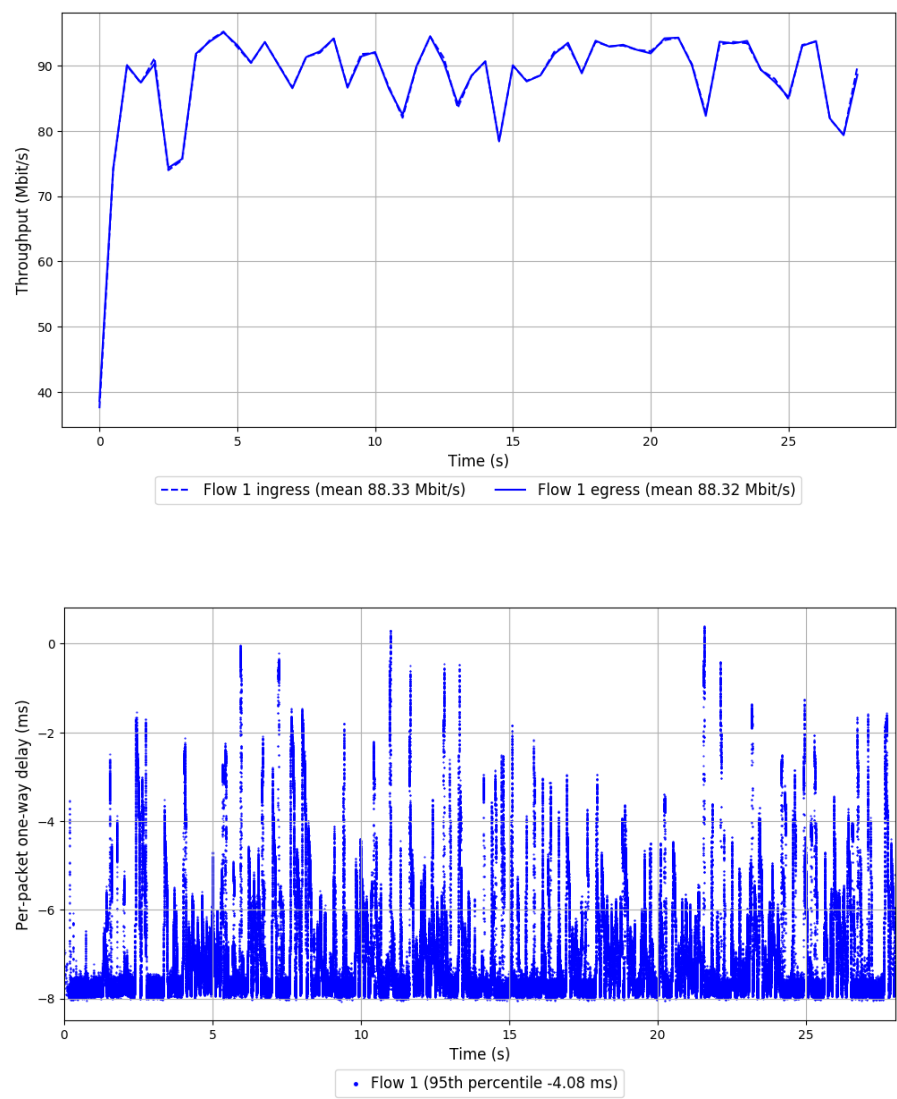Flow 1 (95th percentile -7.20 ms)

```
Run 3: Statistics of Copa

Start at: 2017-12-11 14:26:16
End at: 2017-12-11 14:26:46
Local clock offset: -1.751 ms
Remote clock offset: -15.542 ms

# Below is generated by plot.py at 2017-12-11 17:04:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.32 Mbit/s
95th percentile per-packet one-way delay: -4.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.32 Mbit/s
95th percentile per-packet one-way delay: -4.075 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 88.33 Mbit/s) --- Flow 1 egress (mean 88.32 Mbit/s)

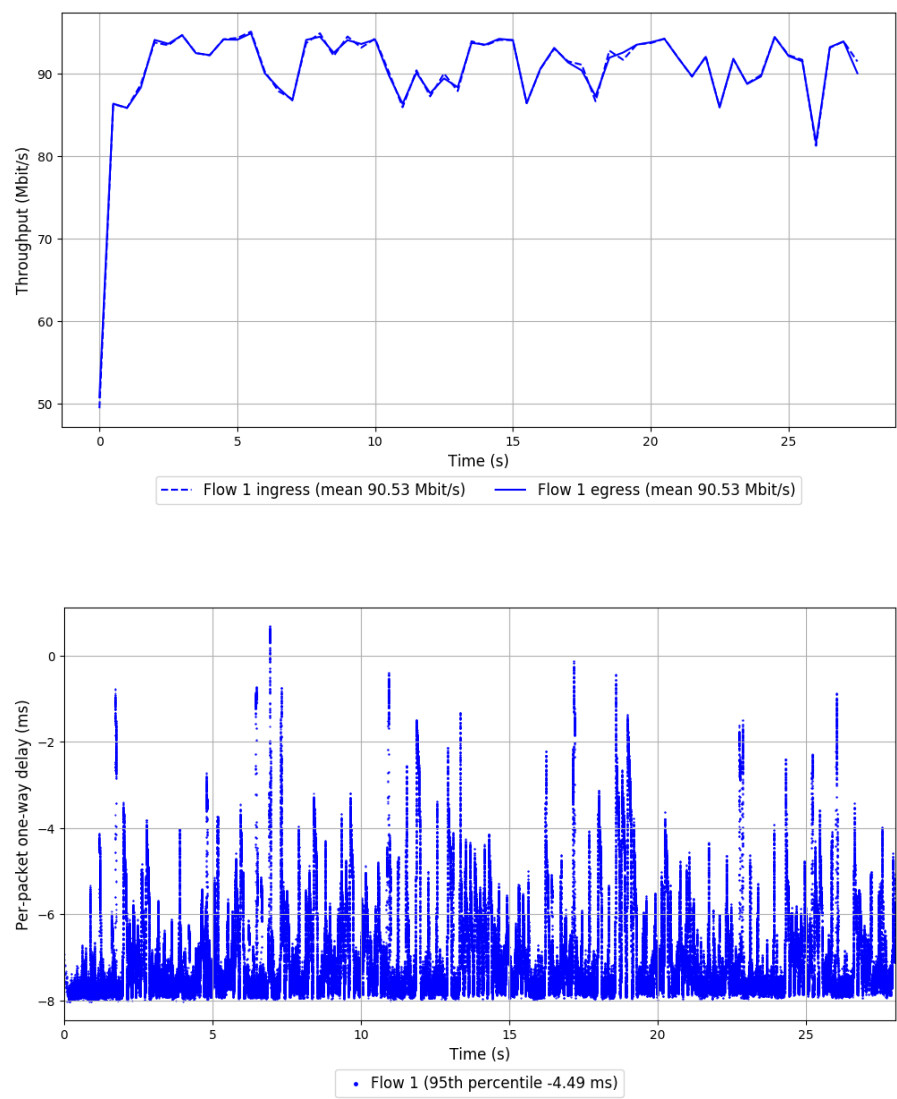Flow 1 (95th percentile -4.08 ms)

229

```
Run 4: Statistics of Copa

Start at: 2017-12-11 14:43:14
End at: 2017-12-11 14:43:44
Local clock offset: -0.316 ms
Remote clock offset: -14.721 ms


# Below is generated by plot.py at 2017-12-11 17:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: -4.486 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: -4.486 ms
Loss rate: 0.00%
```

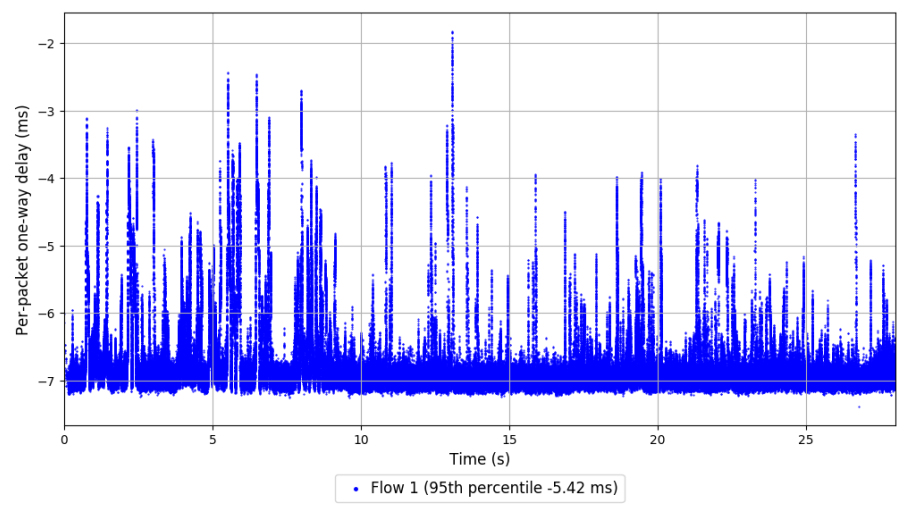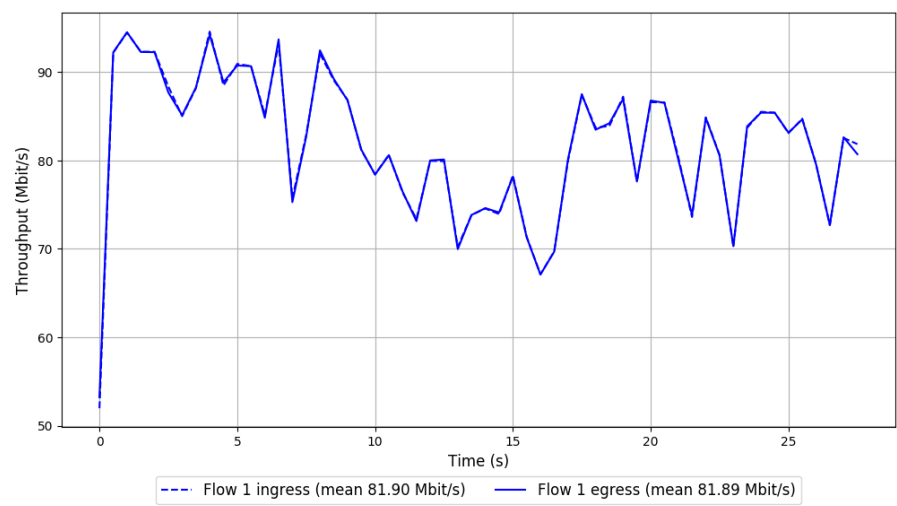# Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2017-12-11 15:00:06
End at: 2017-12-11 15:00:36
Local clock offset: -2.603 ms
Remote clock offset: -16.239 ms


# Below is generated by plot.py at 2017-12-11 17:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: -5.416 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 81.89 Mbit/s
95th percentile per-packet one-way delay: -5.416 ms
Loss rate: 0.01%
```

Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 81.90 Mbit/s)   Flow 1 egress (mean 81.89 Mbit/s)

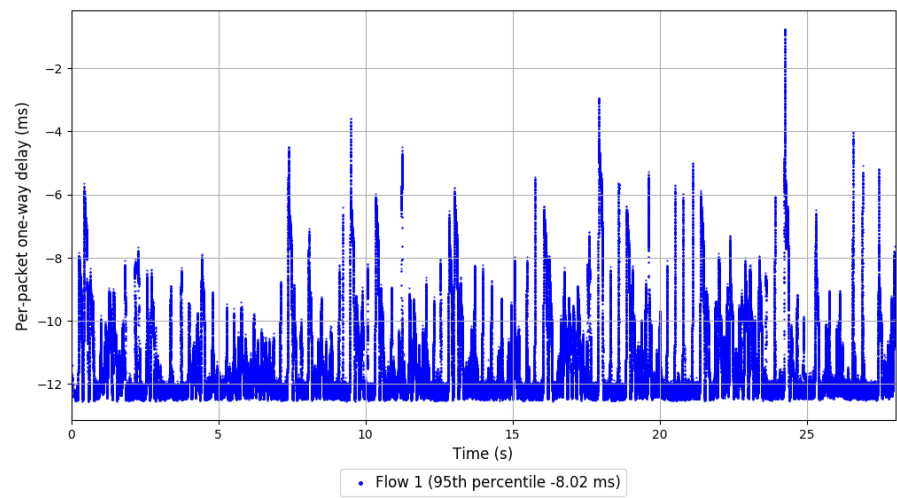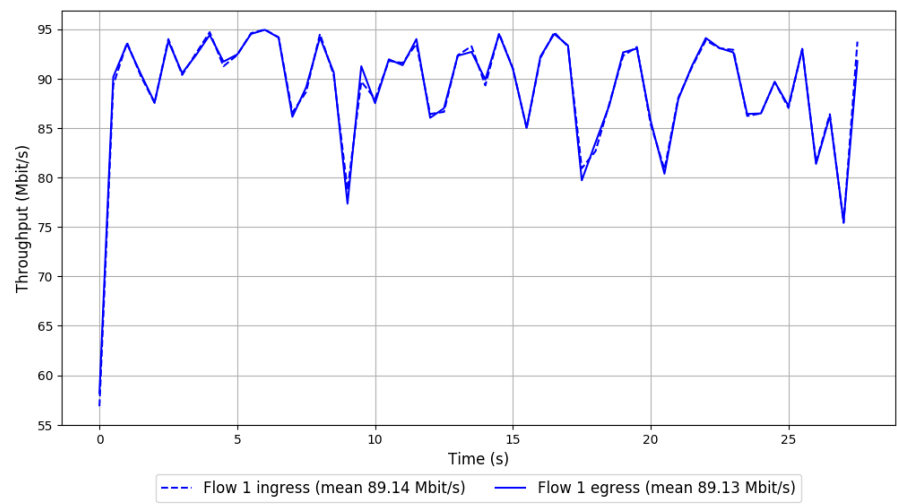Flow 1 (95th percentile -5.42 ms)

```
Run 6: Statistics of Copa

Start at: 2017-12-11 15:17:11
End at: 2017-12-11 15:17:41
Local clock offset: 2.116 ms
Remote clock offset: -18.071 ms


# Below is generated by plot.py at 2017-12-11 17:04:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: -8.023 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.13 Mbit/s
95th percentile per-packet one-way delay: -8.023 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 89.14 Mbit/s) ----   Flow 1 egress (mean 89.13 Mbit/s) ——

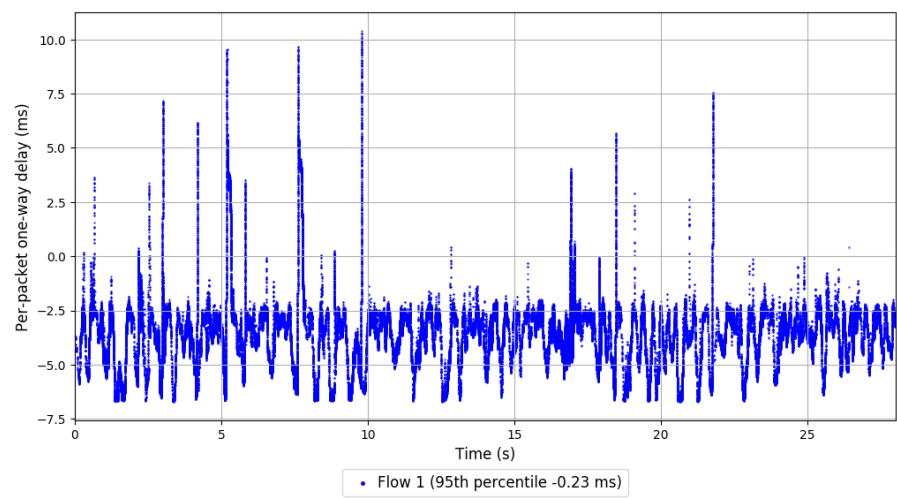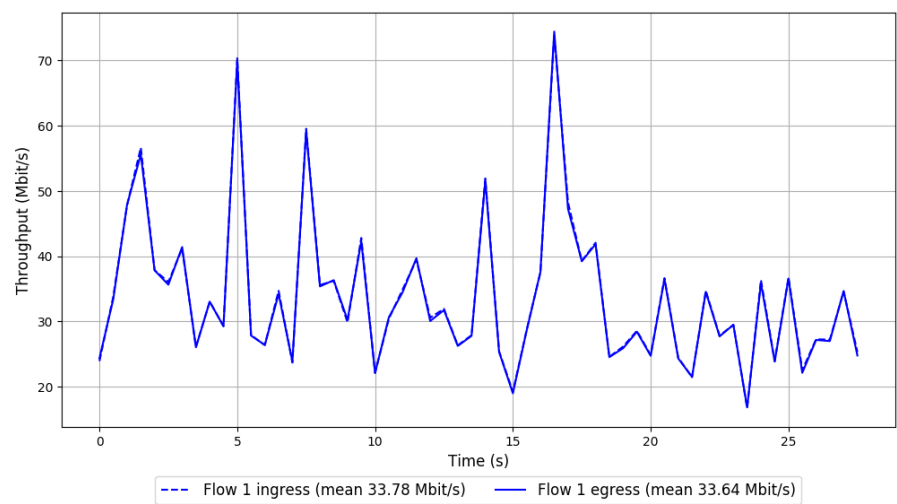Flow 1 (95th percentile -8.02 ms)

```
Run 7: Statistics of Copa

Start at: 2017-12-11 15:34:06
End at: 2017-12-11 15:34:36
Local clock offset: -1.127 ms
Remote clock offset: -16.239 ms


# Below is generated by plot.py at 2017-12-11 17:04:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: -0.229 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 33.64 Mbit/s
95th percentile per-packet one-way delay: -0.229 ms
Loss rate: 0.41%
```

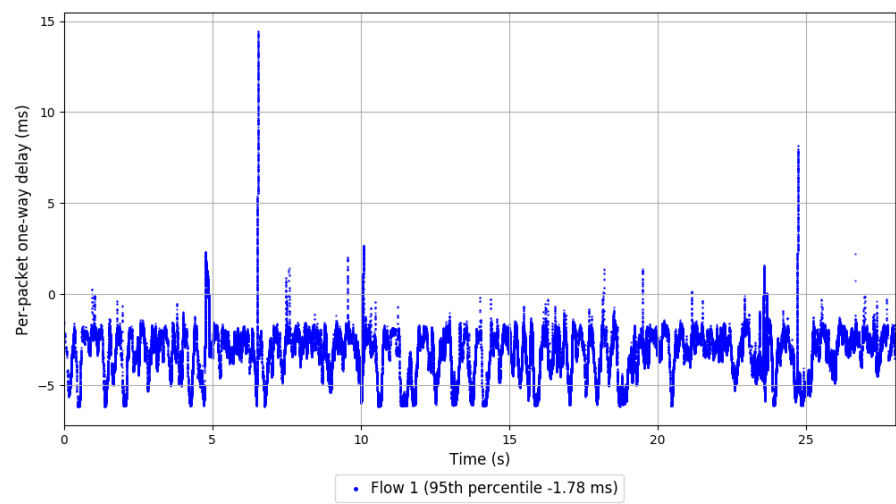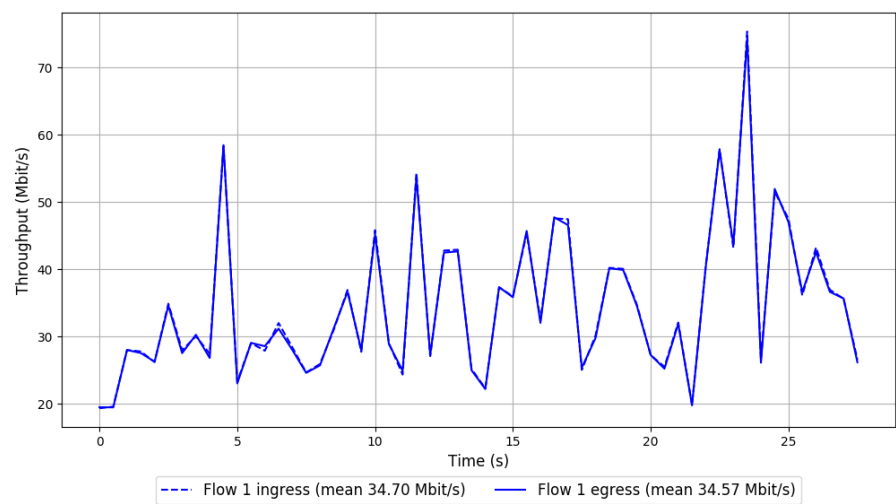Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2017-12-11 15:50:24
End at: 2017-12-11 15:50:54
Local clock offset: -3.127 ms
Remote clock offset: -17.52 ms


# Below is generated by plot.py at 2017-12-11 17:04:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: -1.779 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 34.57 Mbit/s
95th percentile per-packet one-way delay: -1.779 ms
Loss rate: 0.39%
```

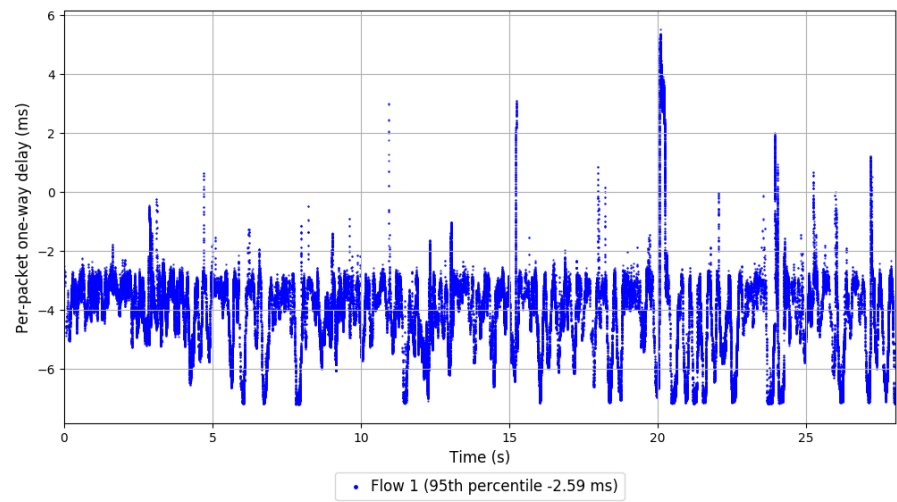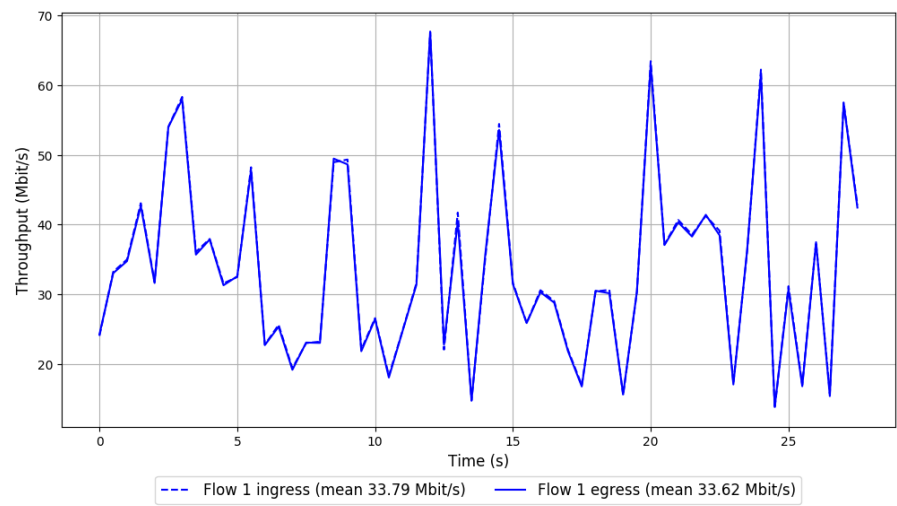Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2017-12-11 16:06:57
End at: 2017-12-11 16:07:27
Local clock offset: -0.337 ms
Remote clock offset: -17.745 ms


# Below is generated by plot.py at 2017-12-11 17:04:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: -2.593 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 33.62 Mbit/s
95th percentile per-packet one-way delay: -2.593 ms
Loss rate: 0.52%
```

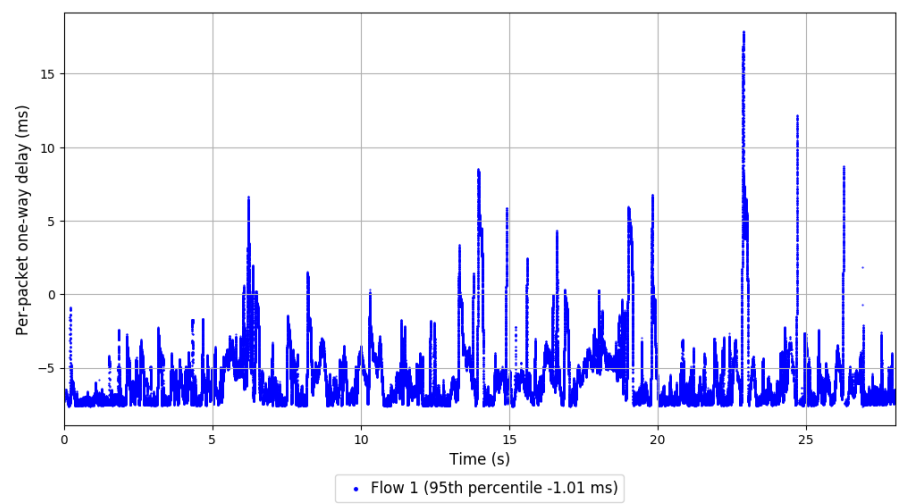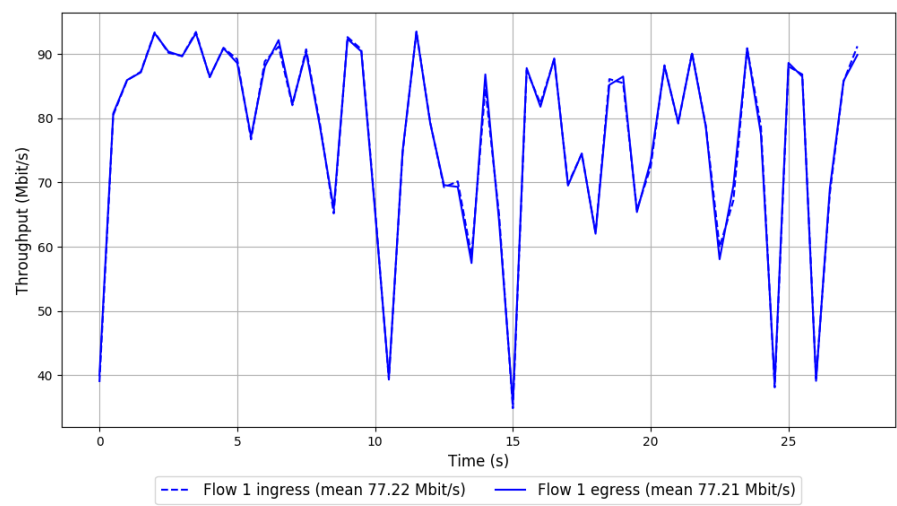Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2017-12-11 16:23:46
End at: 2017-12-11 16:24:16
Local clock offset: -1.52 ms
Remote clock offset: -19.719 ms


# Below is generated by plot.py at 2017-12-11 17:05:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.21 Mbit/s
95th percentile per-packet one-way delay: -1.011 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 77.21 Mbit/s
95th percentile per-packet one-way delay: -1.011 ms
Loss rate: 0.01%
```

Run 10: Report of Copa — Data Link
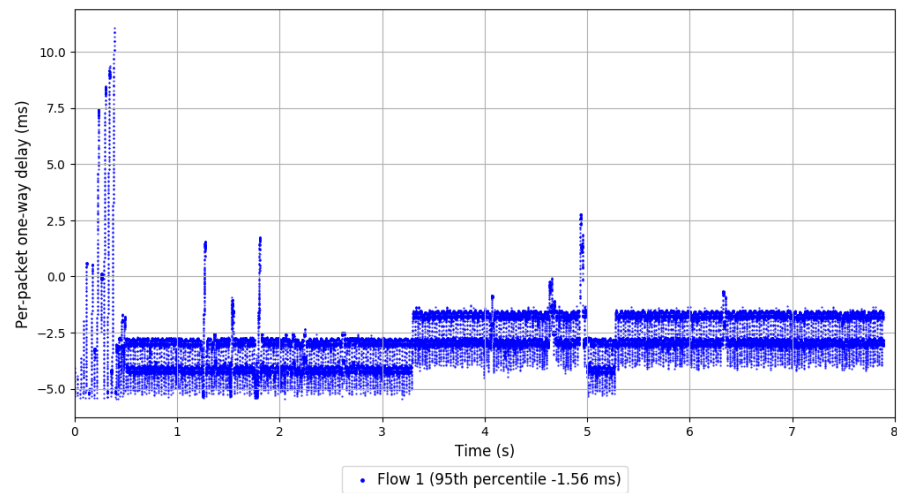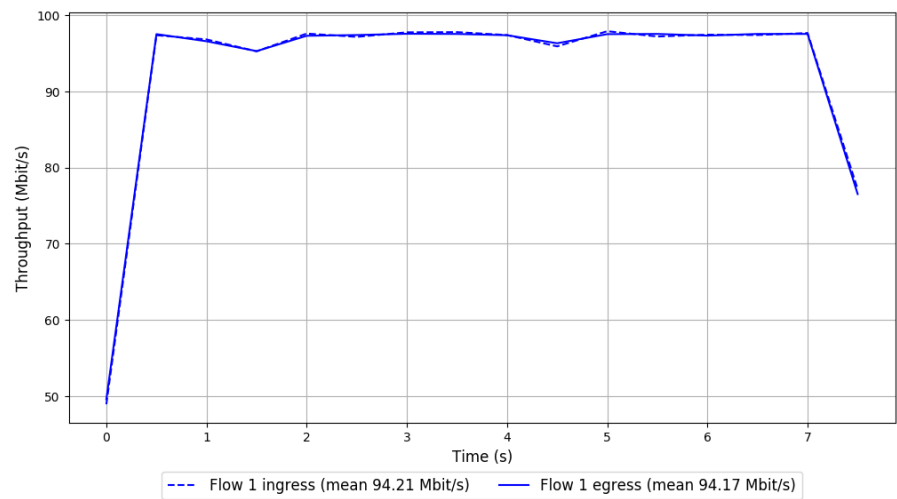
```
Run 1: Statistics of Indigo

Start at: 2017-12-11 13:39:35
End at: 2017-12-11 13:40:05
Local clock offset: -2.929 ms
Remote clock offset: -12.908 ms
```
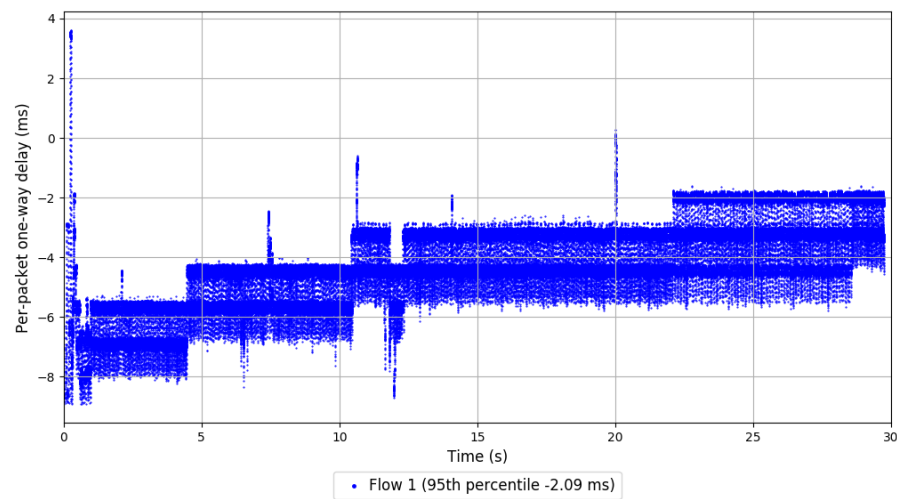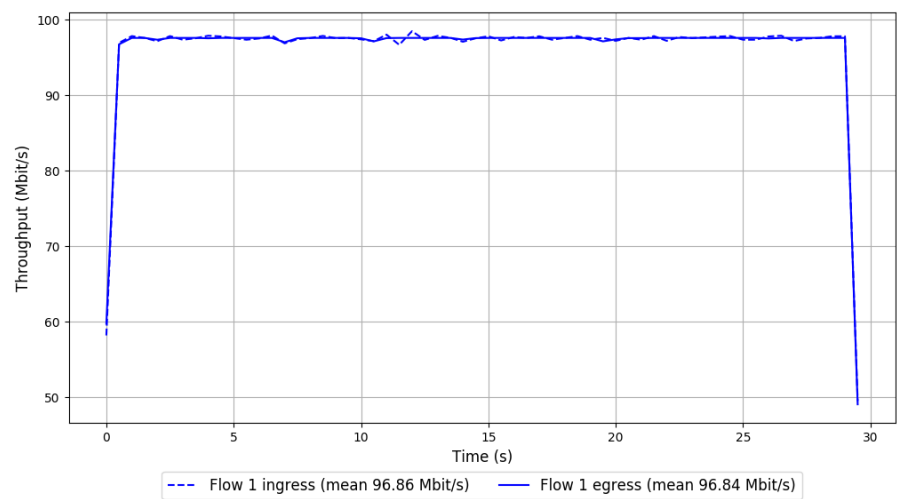
Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2017-12-11 13:56:48
End at: 2017-12-11 13:57:18
Local clock offset: -0.257 ms
Remote clock offset: -15.534 ms

# Below is generated by plot.py at 2017-12-11 17:05:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: -2.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: -2.091 ms
Loss rate: 0.00%
```
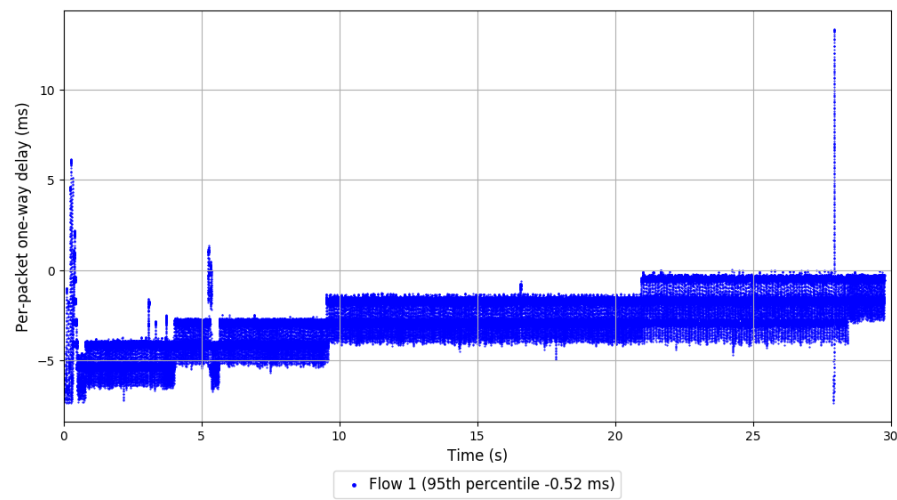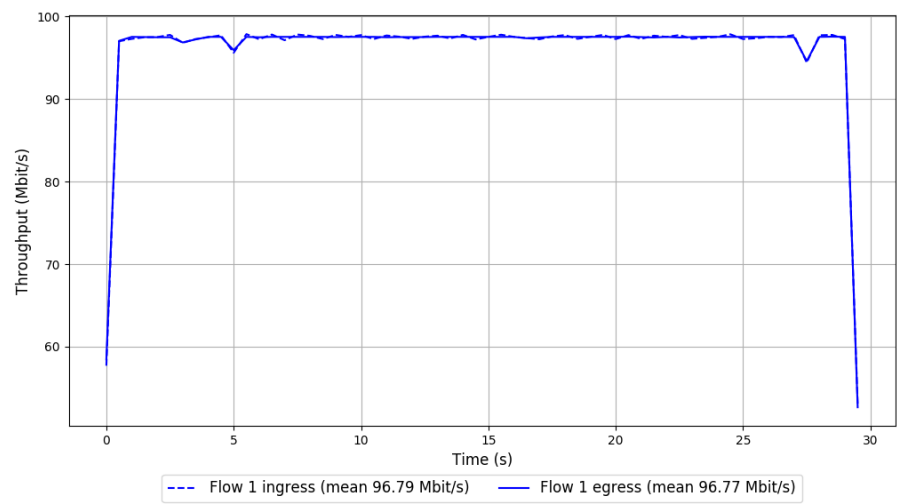
Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2017-12-11 14:13:51
End at: 2017-12-11 14:14:21
Local clock offset: -1.292 ms
Remote clock offset: -15.224 ms

# Below is generated by plot.py at 2017-12-11 17:05:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: -0.524 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: -0.524 ms
Loss rate: 0.00%
```
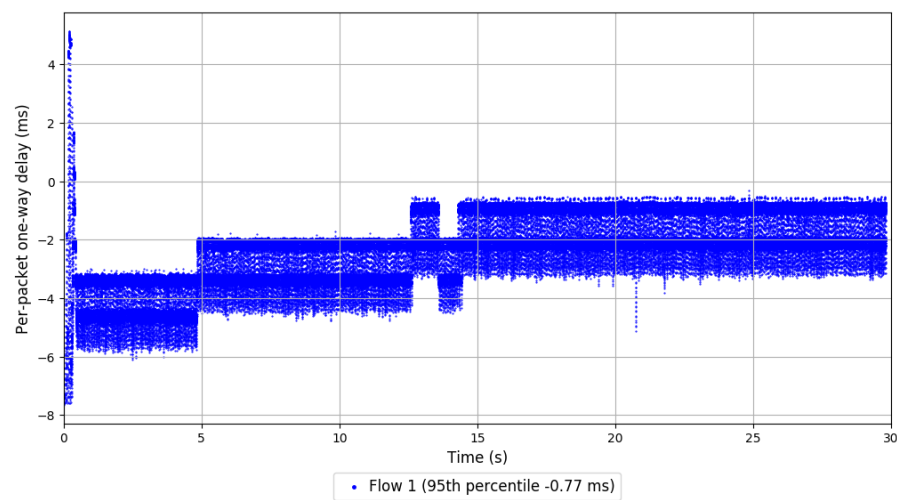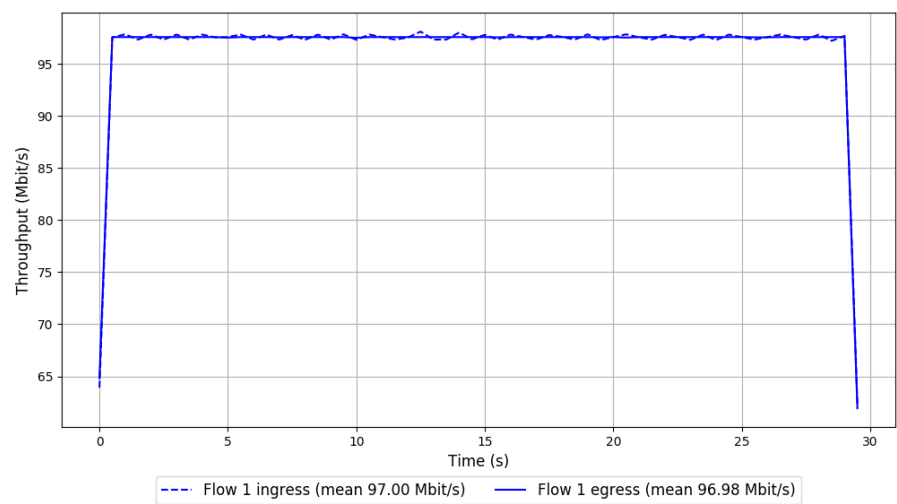
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2017-12-11 14:31:02
End at: 2017-12-11 14:31:32
Local clock offset: -1.342 ms
Remote clock offset: -14.073 ms


# Below is generated by plot.py at 2017-12-11 17:05:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: -0.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.98 Mbit/s
95th percentile per-packet one-way delay: -0.770 ms
Loss rate: 0.00%
```
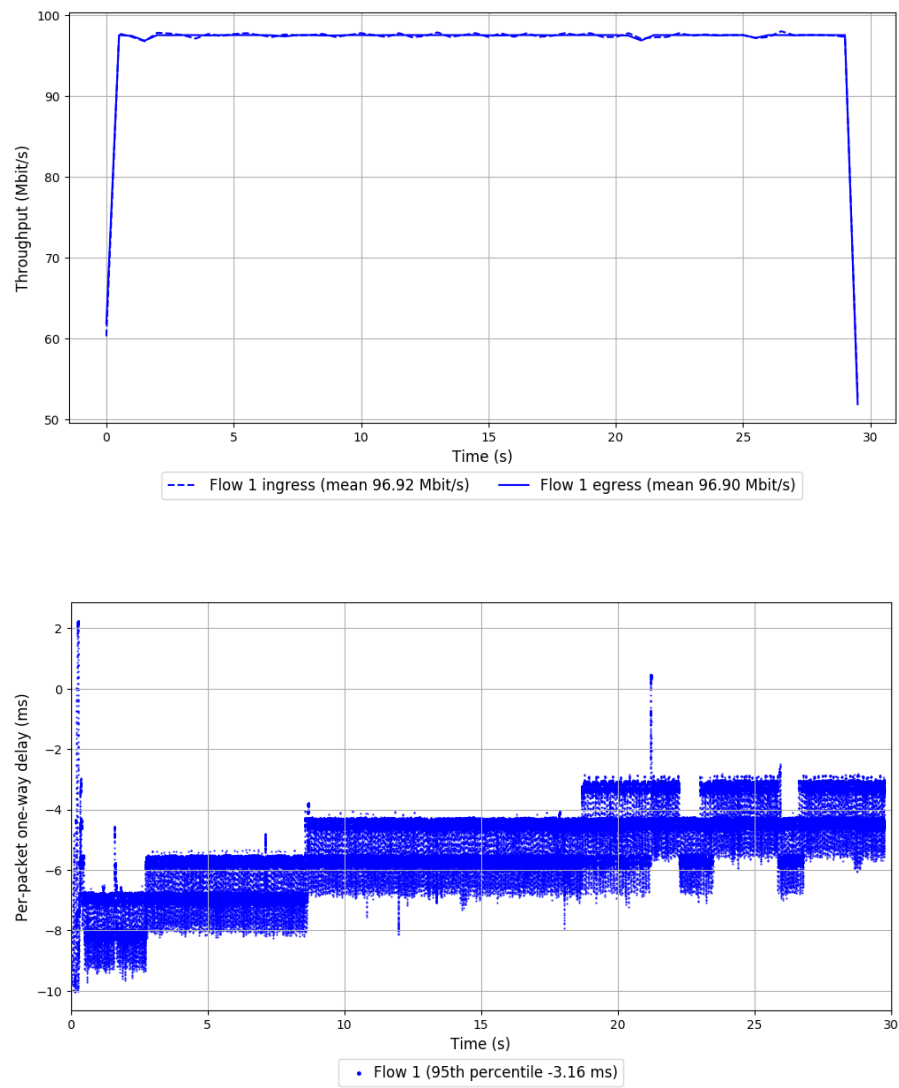
Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2017-12-11 14:47:51
End at: 2017-12-11 14:48:21
Local clock offset: 0.138 ms
Remote clock offset: -15.768 ms


# Below is generated by plot.py at 2017-12-11 17:05:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: -3.163 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.90 Mbit/s
95th percentile per-packet one-way delay: -3.163 ms
Loss rate: 0.00%
```

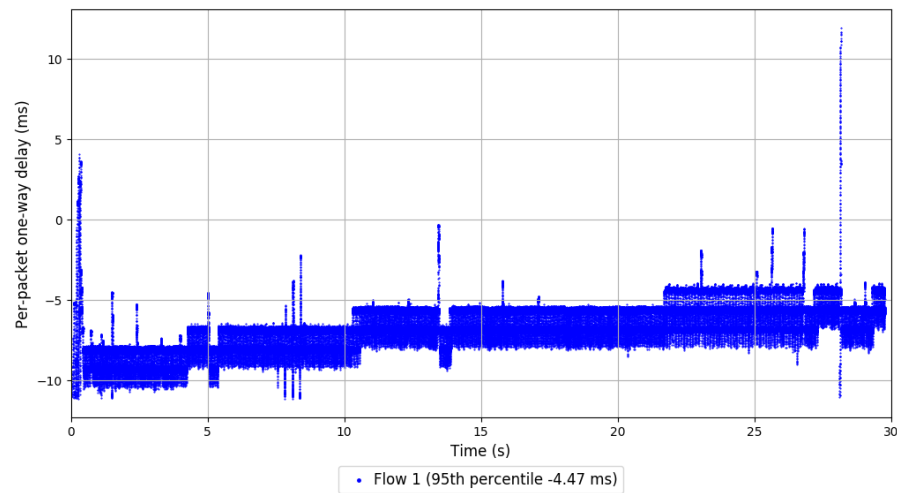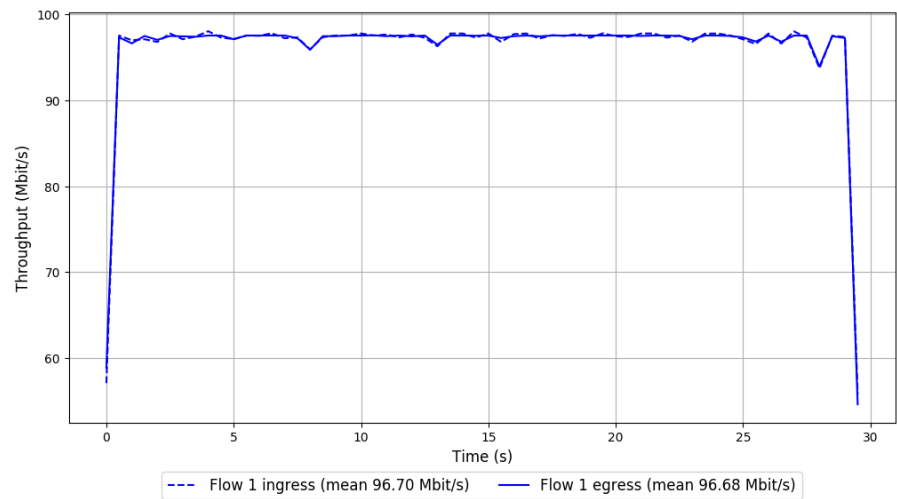# Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2017-12-11 15:04:58
End at: 2017-12-11 15:05:28
Local clock offset: 1.762 ms
Remote clock offset: -15.796 ms


# Below is generated by plot.py at 2017-12-11 17:05:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: -4.474 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.68 Mbit/s
95th percentile per-packet one-way delay: -4.474 ms
Loss rate: 0.00%
```
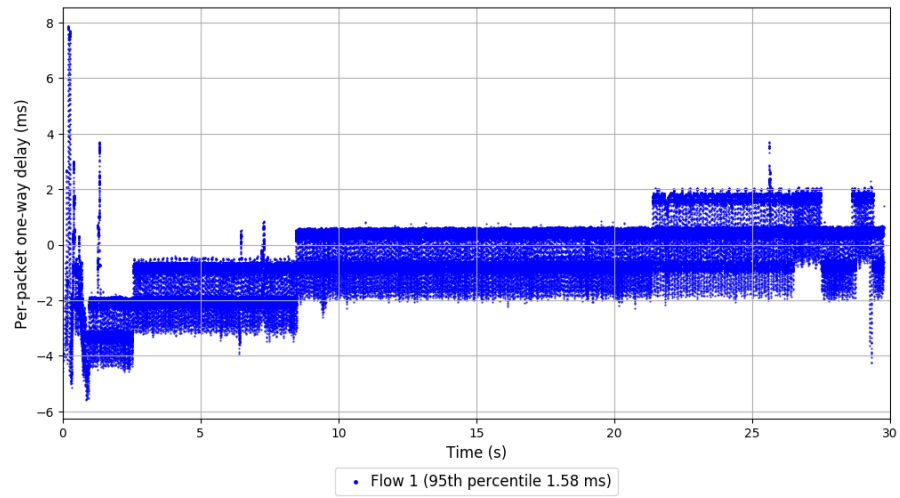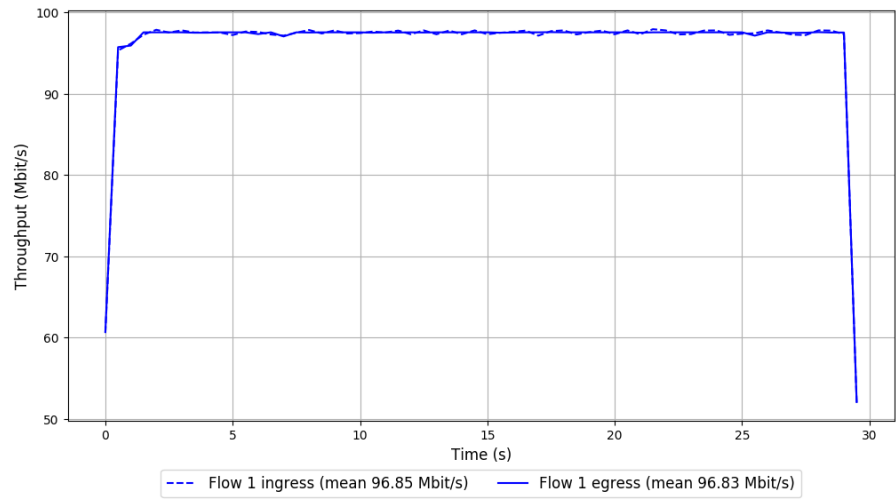
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2017-12-11 15:22:06
End at: 2017-12-11 15:22:36
Local clock offset: -1.552 ms
Remote clock offset: -17.285 ms

# Below is generated by plot.py at 2017-12-11 17:05:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 1.579 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 1.579 ms
Loss rate: 0.01%
```

Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2017-12-11 15:38:39
End at: 2017-12-11 15:39:09
Local clock offset: 0.723 ms
Remote clock offset: -16.418 ms


# Below is generated by plot.py at 2017-12-11 17:06:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: -2.081 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: -2.081 ms
Loss rate: 0.61%
```
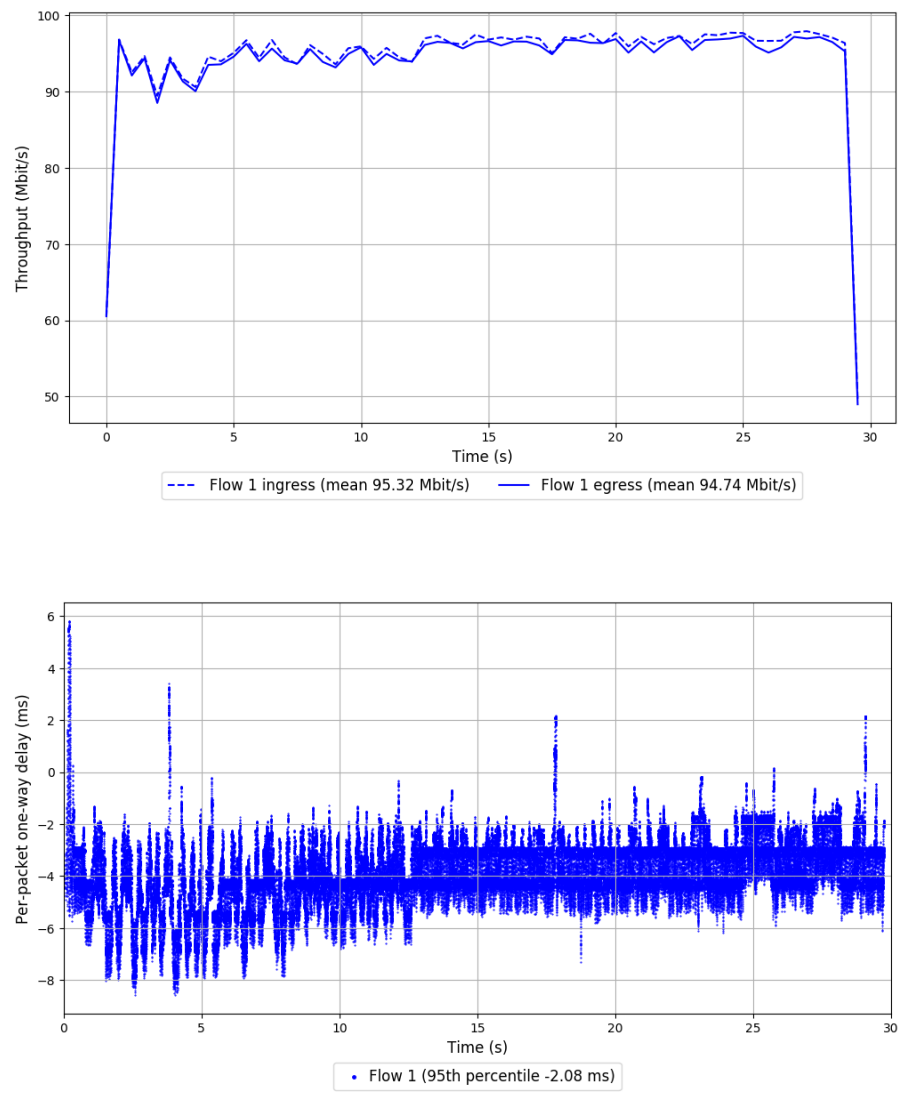
Run 8: Report of Indigo — Data Link

Flow 1 ingress (mean 95.32 Mbit/s) ----   Flow 1 egress (mean 94.74 Mbit/s) ——
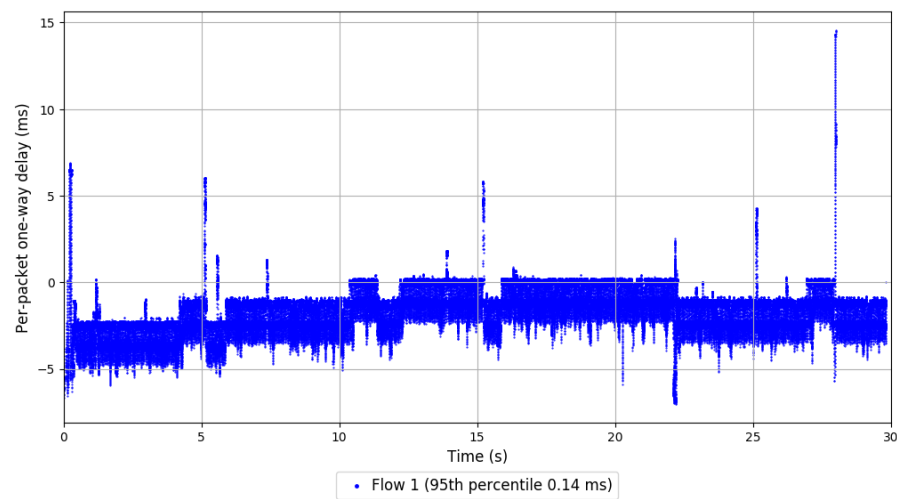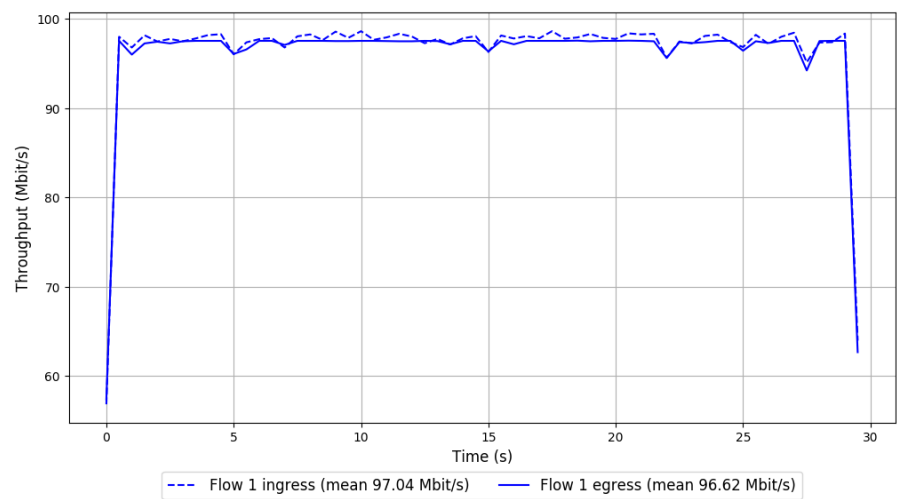

Flow 1 (95th percentile -2.08 ms)

```
Run 9: Statistics of Indigo

Start at: 2017-12-11 15:55:01
End at: 2017-12-11 15:55:31
Local clock offset: 0.491 ms
Remote clock offset: -18.469 ms

# Below is generated by plot.py at 2017-12-11 17:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 0.141 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 96.62 Mbit/s
95th percentile per-packet one-way delay: 0.141 ms
Loss rate: 0.43%
```
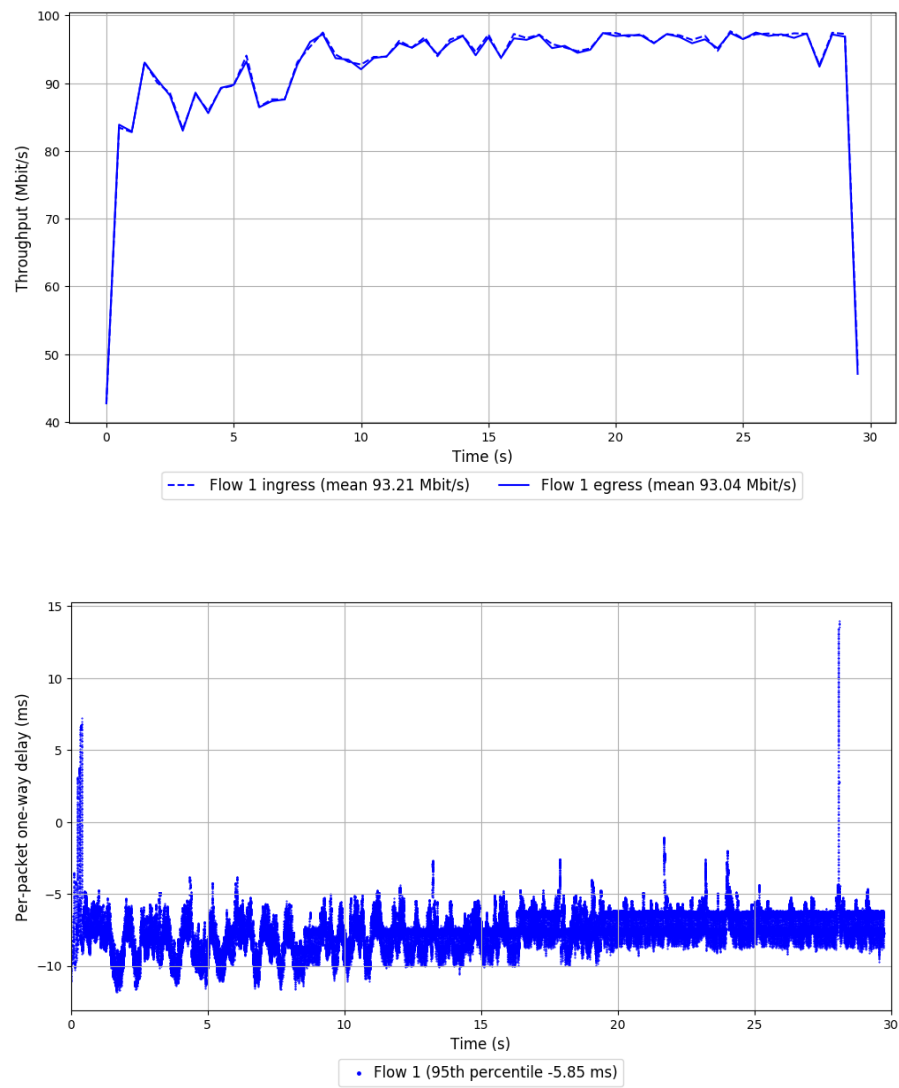
Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2017-12-11 16:11:24
End at: 2017-12-11 16:11:54
Local clock offset: 1.425 ms
Remote clock offset: -19.988 ms

# Below is generated by plot.py at 2017-12-11 17:06:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: -5.847 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: -5.847 ms
Loss rate: 0.17%
```
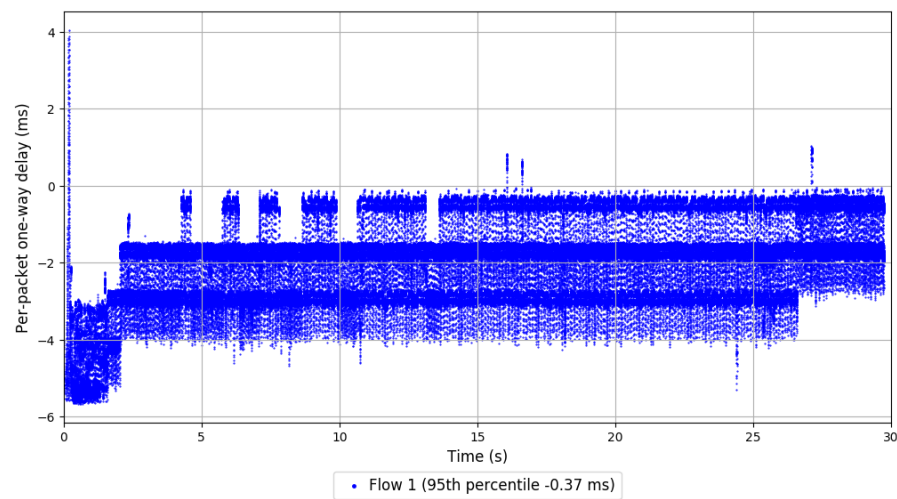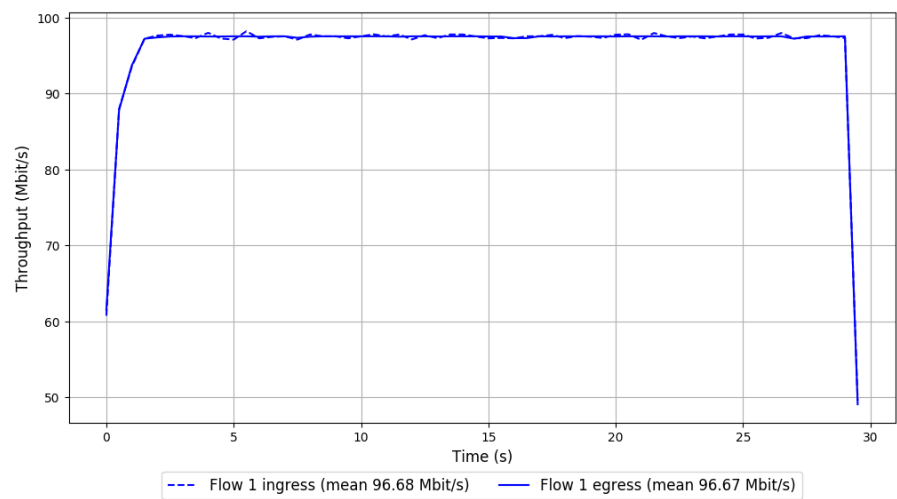
Run 10: Report of Indigo — Data Link

```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-11 13:41:57
End at: 2017-12-11 13:42:27
Local clock offset: -1.653 ms
Remote clock offset: -12.897 ms


# Below is generated by plot.py at 2017-12-11 17:07:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: -0.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.67 Mbit/s
95th percentile per-packet one-way delay: -0.366 ms
Loss rate: 0.00%
```

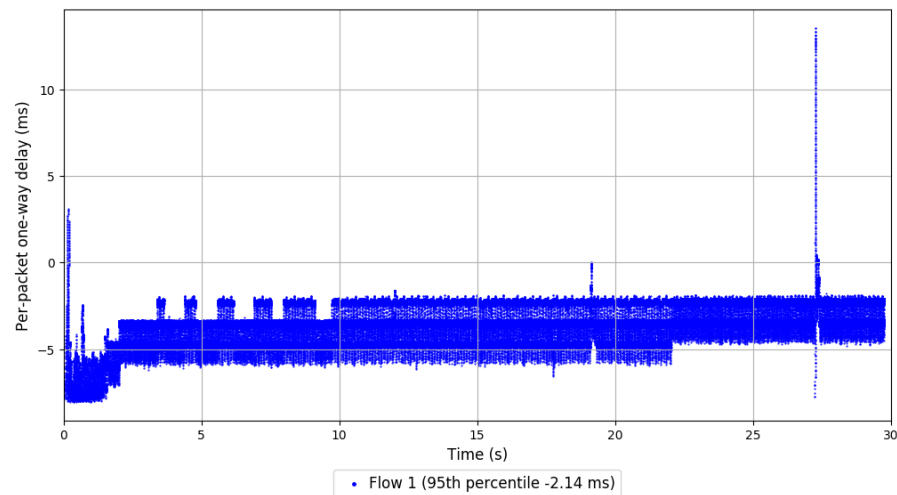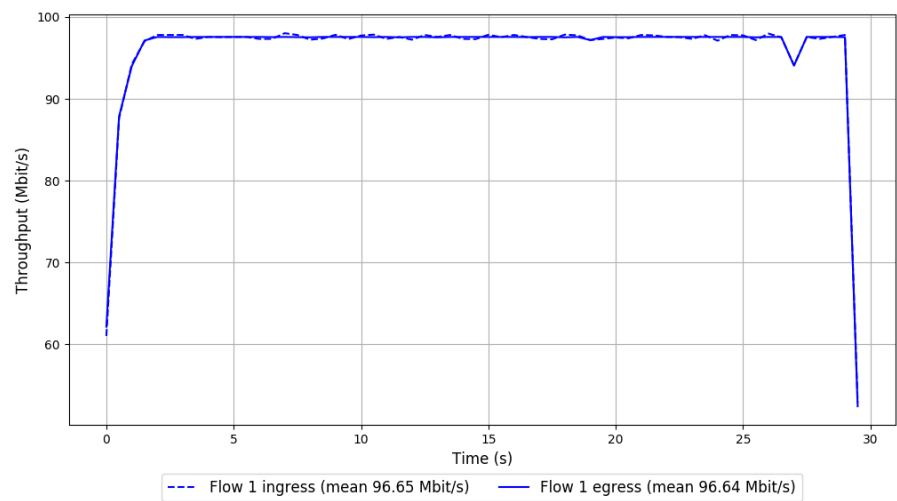# Run 1: Report of Indigo-calib — Data Link

```
Run 2: Statistics of Indigo-calib

Start at: 2017-12-11 13:59:21
End at: 2017-12-11 13:59:51
Local clock offset: -0.428 ms
Remote clock offset: -14.777 ms

# Below is generated by plot.py at 2017-12-11 17:07:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.64 Mbit/s
95th percentile per-packet one-way delay: -2.143 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.64 Mbit/s
95th percentile per-packet one-way delay: -2.143 ms
Loss rate: 0.00%
```

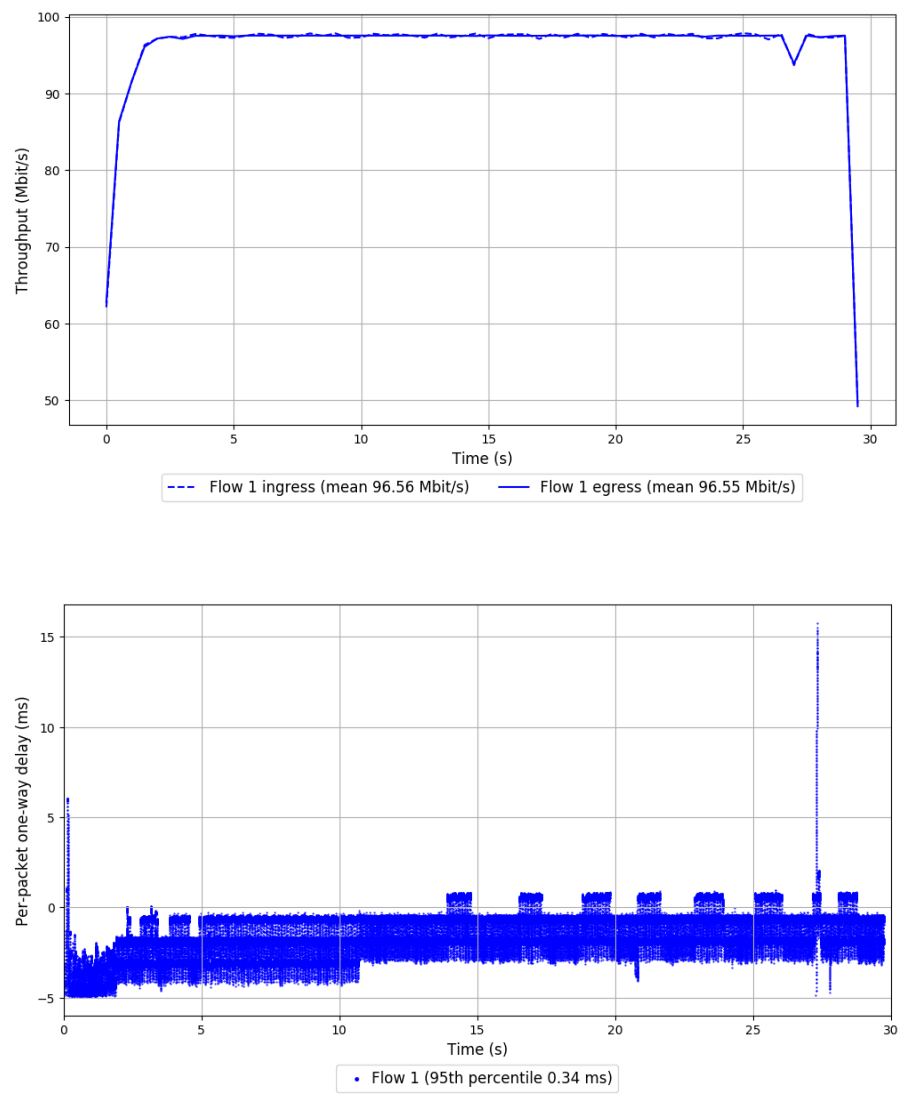Run 2: Report of Indigo-calib — Data Link

```
Run 3: Statistics of Indigo-calib

Start at: 2017-12-11 14:16:25
End at: 2017-12-11 14:16:55
Local clock offset: -2.883 ms
Remote clock offset: -13.287 ms


# Below is generated by plot.py at 2017-12-11 17:07:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 0.342 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 0.342 ms
Loss rate: 0.00%
```

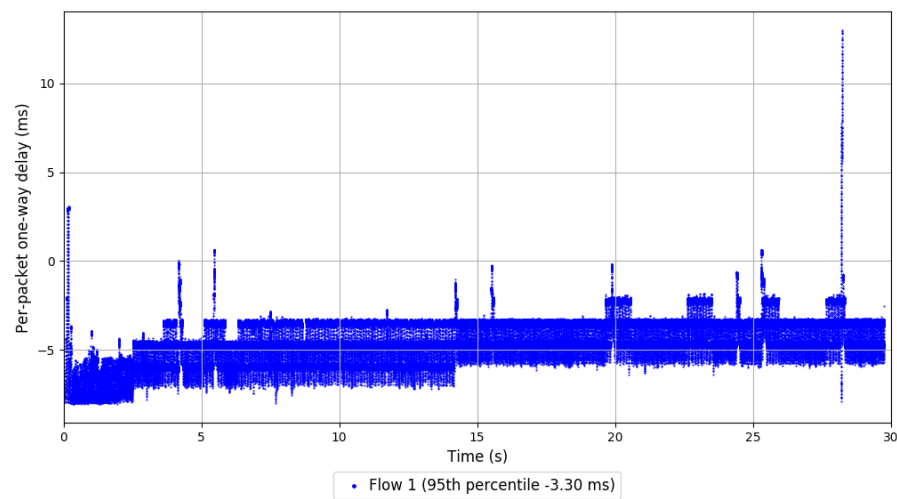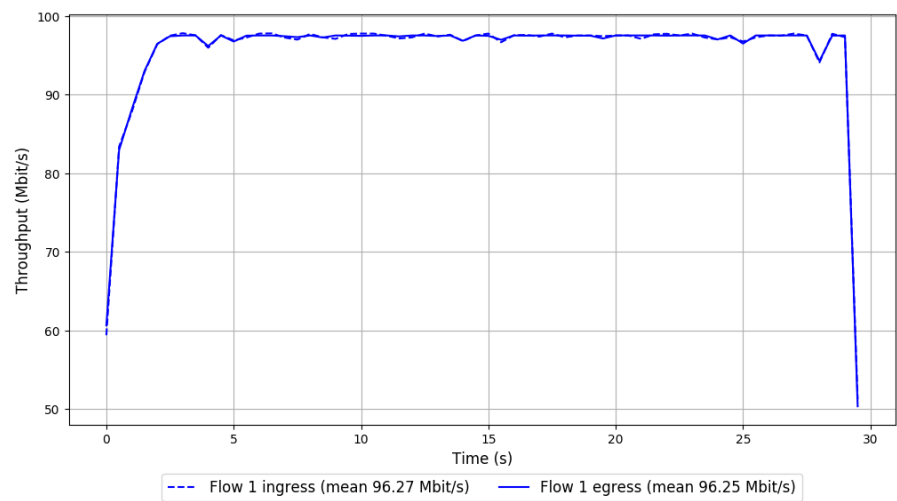# Run 3: Report of Indigo-calib — Data Link

```
Run 4: Statistics of Indigo-calib

Start at: 2017-12-11 14:33:28
End at: 2017-12-11 14:33:58
Local clock offset: -0.794 ms
Remote clock offset: -14.934 ms


# Below is generated by plot.py at 2017-12-11 17:07:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: -3.296 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: -3.296 ms
Loss rate: 0.00%
```

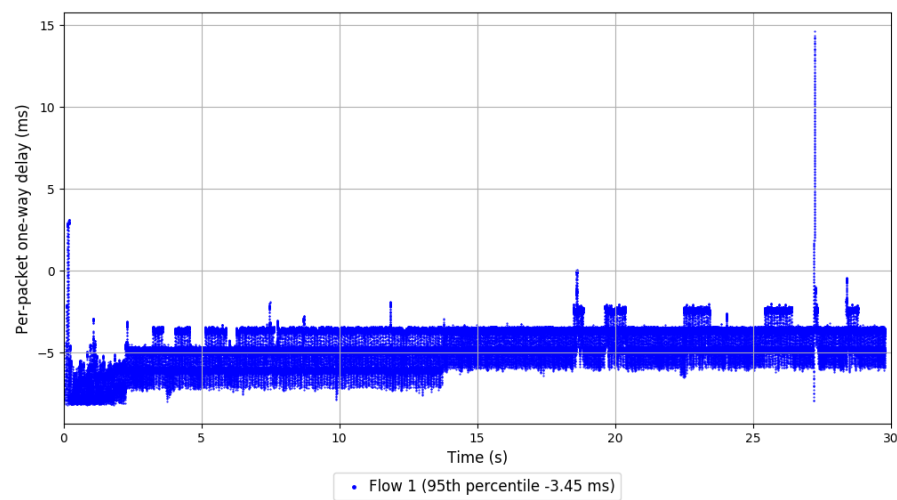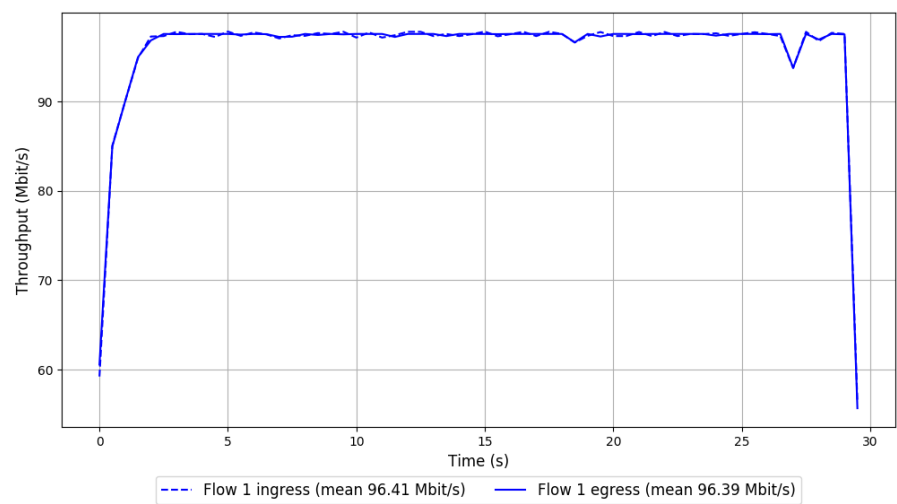# Run 4: Report of Indigo-calib — Data Link

```
Run 5: Statistics of Indigo-calib

Start at: 2017-12-11 14:50:18
End at: 2017-12-11 14:50:48
Local clock offset: -0.17 ms
Remote clock offset: -15.265 ms


# Below is generated by plot.py at 2017-12-11 17:07:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: -3.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: -3.450 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-calib — Data Link

```
Run 6: Statistics of Indigo-calib

Start at: 2017-12-11 15:07:27
End at: 2017-12-11 15:07:57
Local clock offset: 0.839 ms
Remote clock offset: -16.975 ms


# Below is generated by plot.py at 2017-12-11 17:07:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: -5.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: -5.498 ms
Loss rate: 0.00%
```
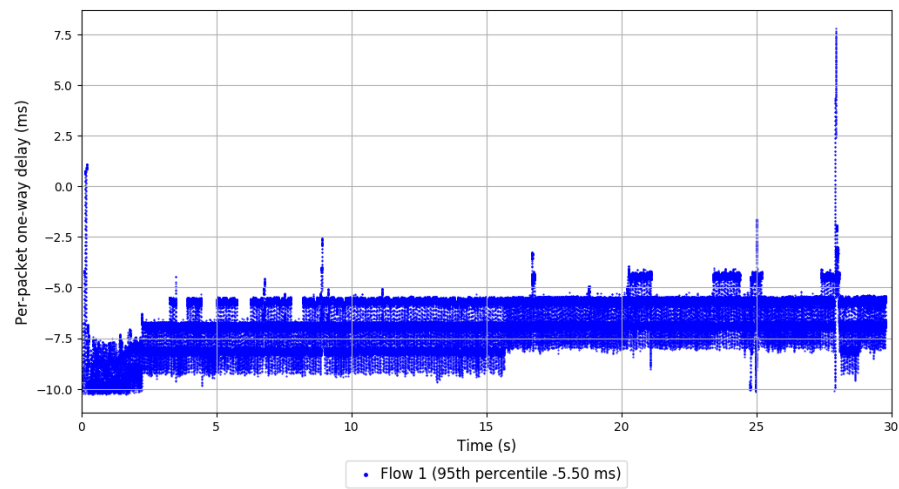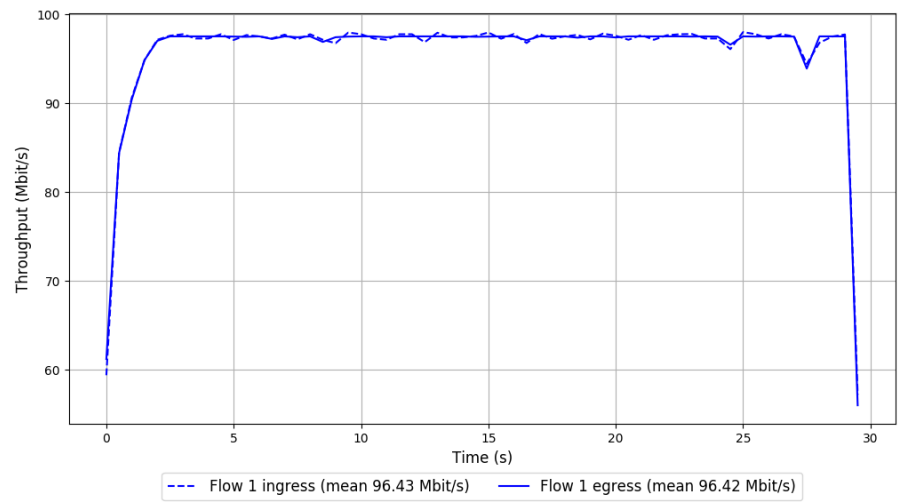
Run 6: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 96.43 Mbit/s)   Flow 1 egress (mean 96.42 Mbit/s)

Flow 1 (95th percentile -5.50 ms)

```
Run 7: Statistics of Indigo-calib

Start at: 2017-12-11 15:24:41
End at: 2017-12-11 15:25:11
Local clock offset: 1.994 ms
Remote clock offset: -18.072 ms


# Below is generated by plot.py at 2017-12-11 17:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: -4.592 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: -4.592 ms
Loss rate: 0.01%
```
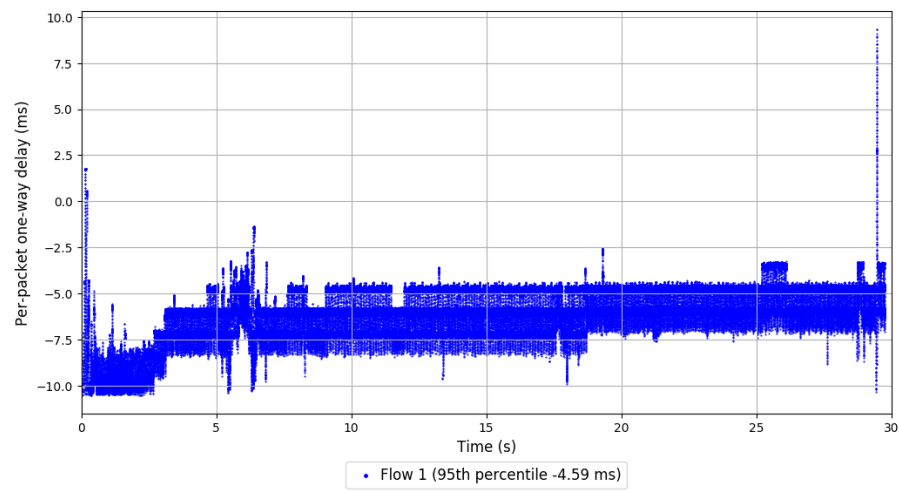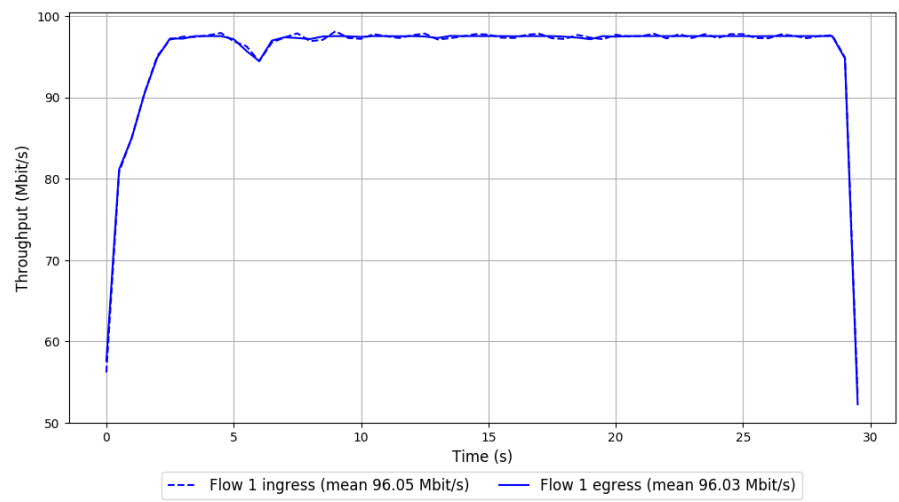
Run 7: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 96.05 Mbit/s)   Flow 1 egress (mean 96.03 Mbit/s)
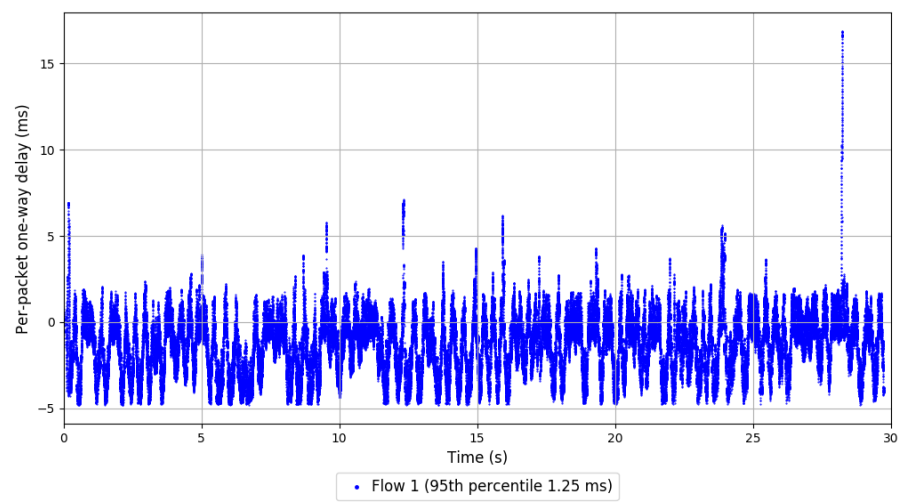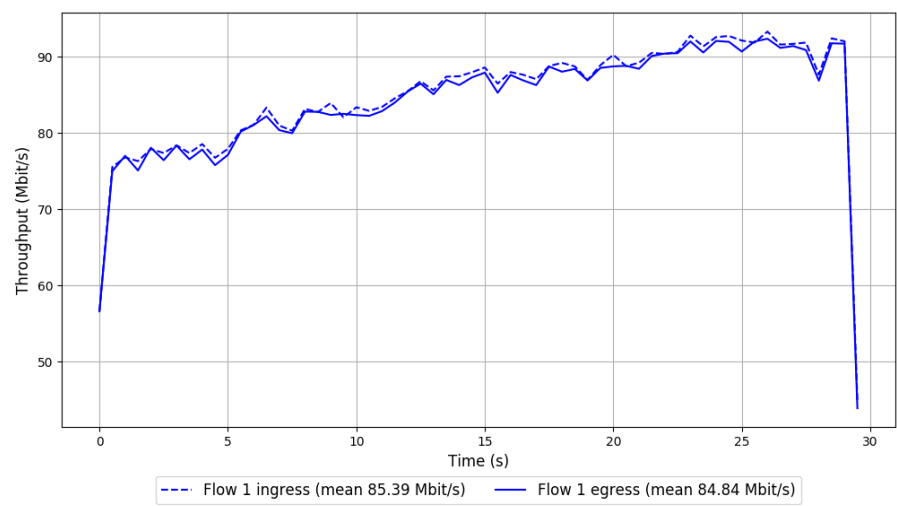

Flow 1 (95th percentile -4.59 ms)

```
Run 8: Statistics of Indigo-calib

Start at: 2017-12-11 15:41:06
End at: 2017-12-11 15:41:36
Local clock offset: -1.848 ms
Remote clock offset: -16.123 ms


# Below is generated by plot.py at 2017-12-11 17:07:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 84.84 Mbit/s
95th percentile per-packet one-way delay: 1.255 ms
Loss rate: 0.66%
```

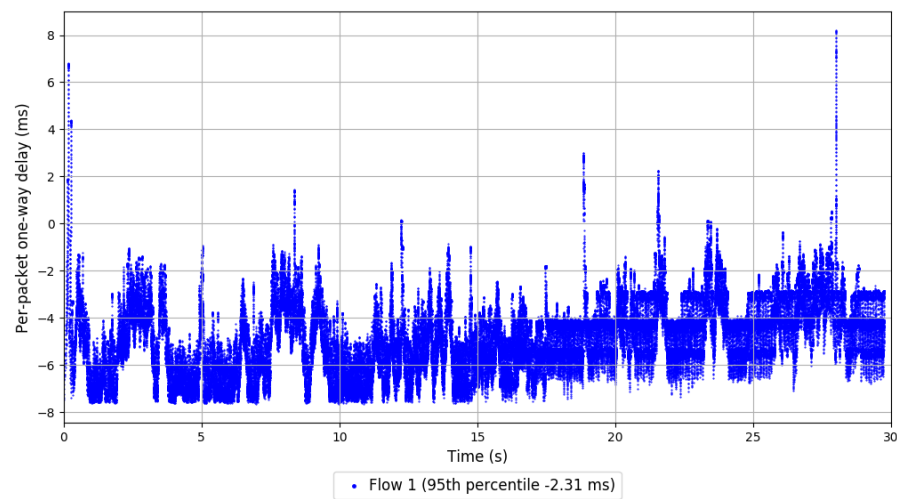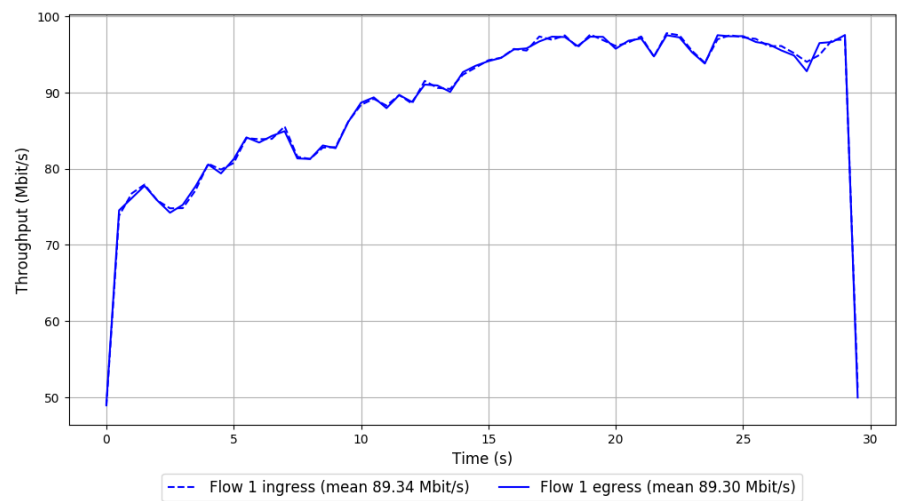Run 8: Report of Indigo-calib — Data Link

```
Run 9: Statistics of Indigo-calib

Start at: 2017-12-11 15:57:29
End at: 2017-12-11 15:57:59
Local clock offset: 0.584 ms
Remote clock offset: -16.63 ms


# Below is generated by plot.py at 2017-12-11 17:07:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: -2.306 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: -2.306 ms
Loss rate: 0.04%
```

Run 9: Report of Indigo-calib — Data Link

```
Run 10: Statistics of Indigo-calib

Start at: 2017-12-11 16:13:58
End at: 2017-12-11 16:14:28
Local clock offset: 0.855 ms
Remote clock offset: -20.05 ms


# Below is generated by plot.py at 2017-12-11 17:07:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: -5.734 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: -5.734 ms
Loss rate: 0.03%
```

Run 10: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 96.06 Mbit/s) --- Flow 1 egress (mean 96.02 Mbit/s)

• Flow 1 (95th percentile -5.73 ms)