Pantheon Report

Generated at 2017-11-30 15:24:26 (UTC).

Data path: Mexico Ethernet (*remote*) →AWS California 2 Ethernet (*local*).

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

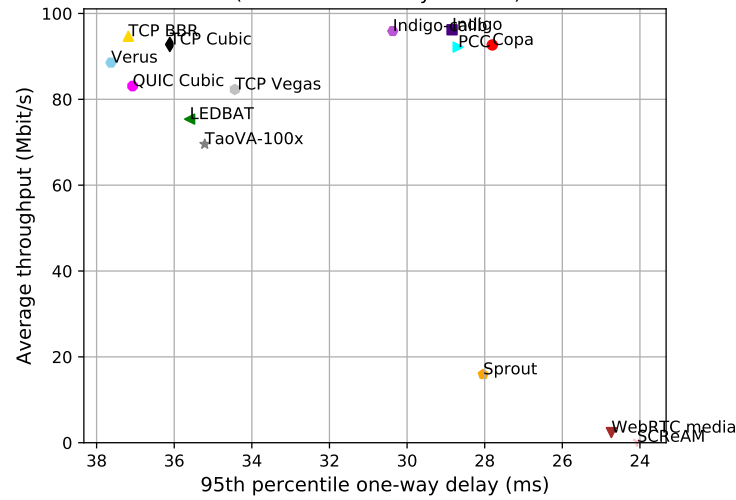Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

NTP offsets were measured against `time.stanford.edu` 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
```
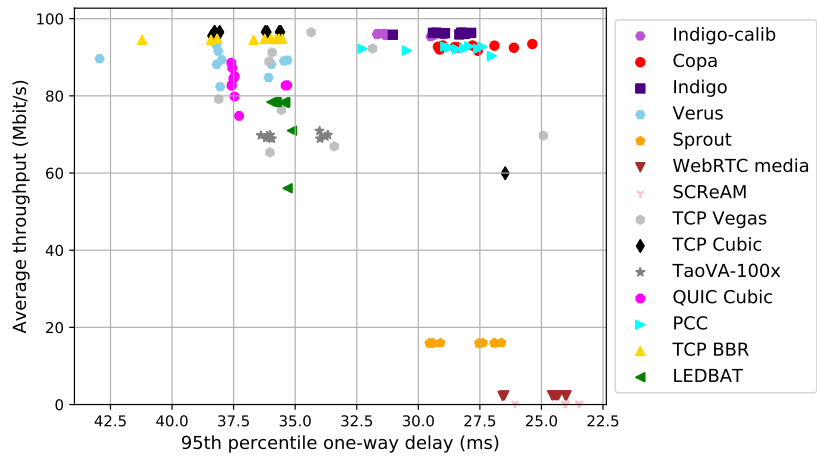
test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

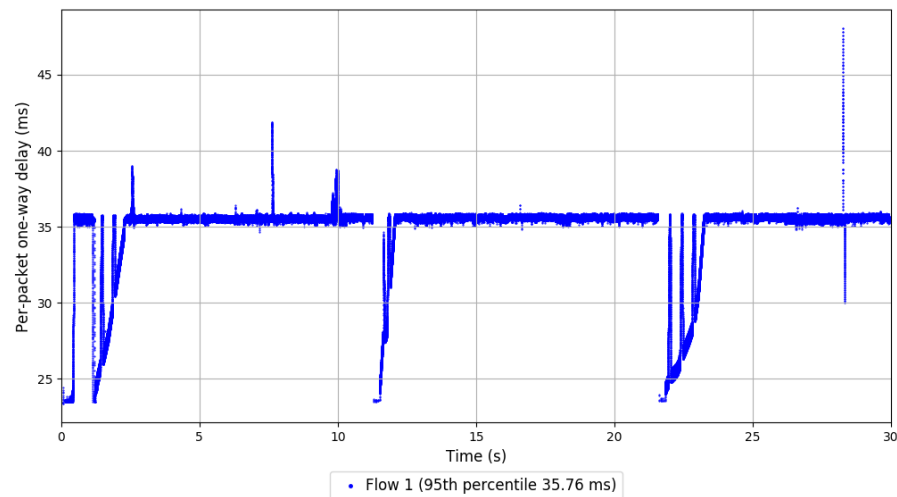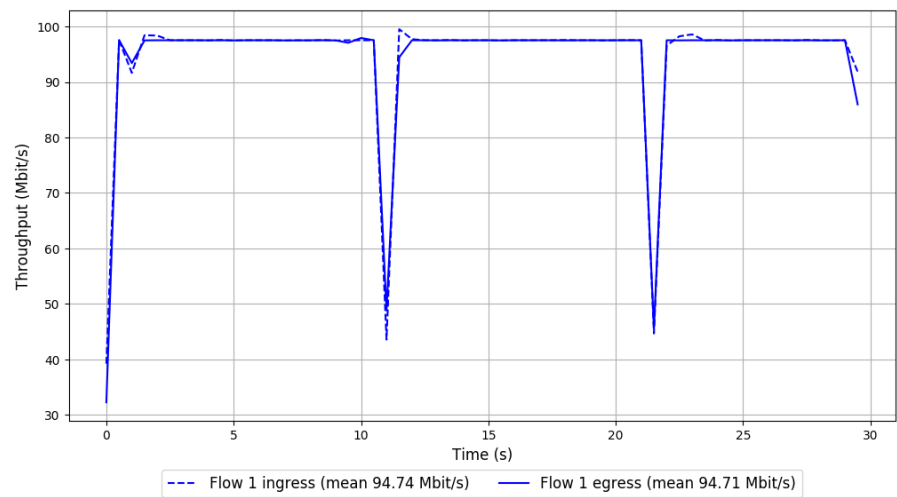test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	94.70	37.18	0.26
TCP Cubic	10	92.78	36.11	0.23
LEDBAT	10	75.39	35.60	0.26
PCC	10	92.16	28.68	0.19
QUIC Cubic	10	83.09	37.07	0.23
SCReAM	7	0.22	24.08	0.18
WebRTC media	10	2.36	24.74	0.19
Sprout	10	15.93	28.04	0.19
TaoVA-100x	10	69.56	35.21	0.23
TCP Vegas	10	82.29	34.44	0.21
Verus	10	88.55	37.63	0.26
Copa	10	92.67	27.80	0.19
Indigo	10	96.20	28.84	0.20
Indigo-calib	10	95.91	30.37	0.21

```
Run 1: Statistics of TCP BBR

Start at: 2017-11-30 08:50:38
End at: 2017-11-30 08:51:08
Local clock offset: -1.288 ms
Remote clock offset: -0.096 ms


# Below is generated by plot.py at 2017-11-30 15:05:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 35.764 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 35.764 ms
Loss rate: 0.23%
```

Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2017-11-30 09:09:20
End at: 2017-11-30 09:09:50
Local clock offset: -0.861 ms
Remote clock offset: 0.29 ms


# Below is generated by plot.py at 2017-11-30 15:05:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 41.214 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 41.214 ms
Loss rate: 0.38%
```
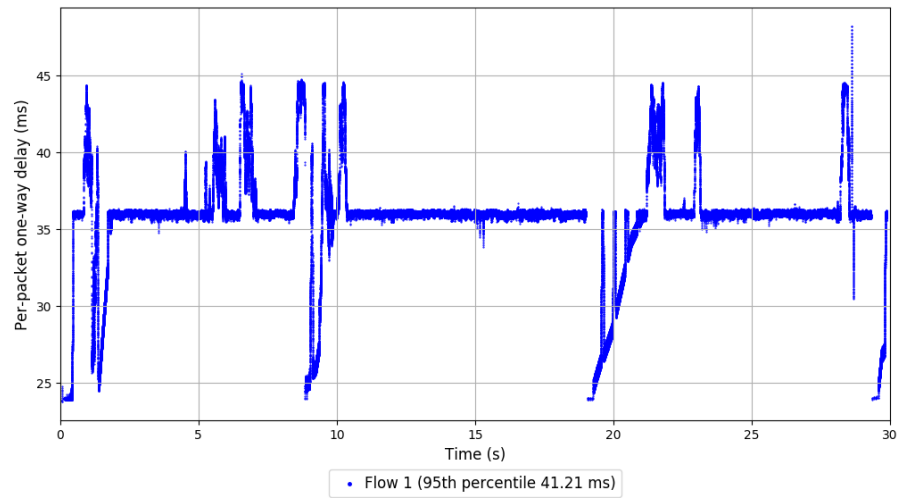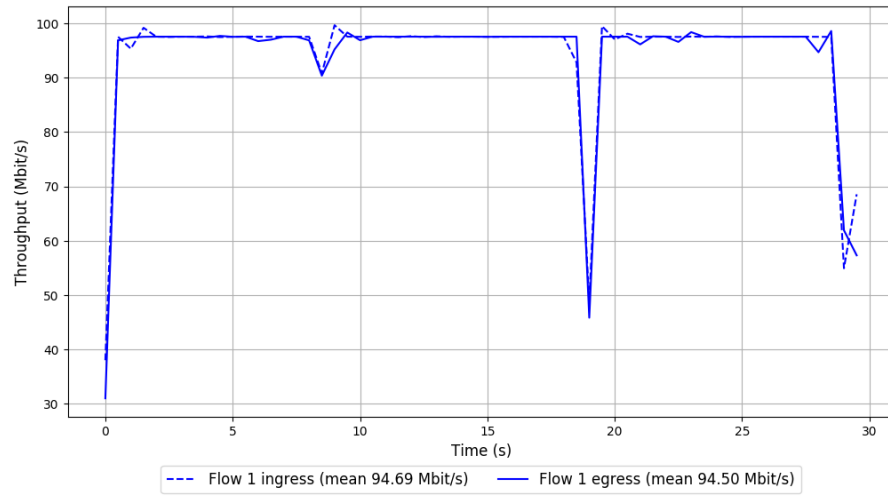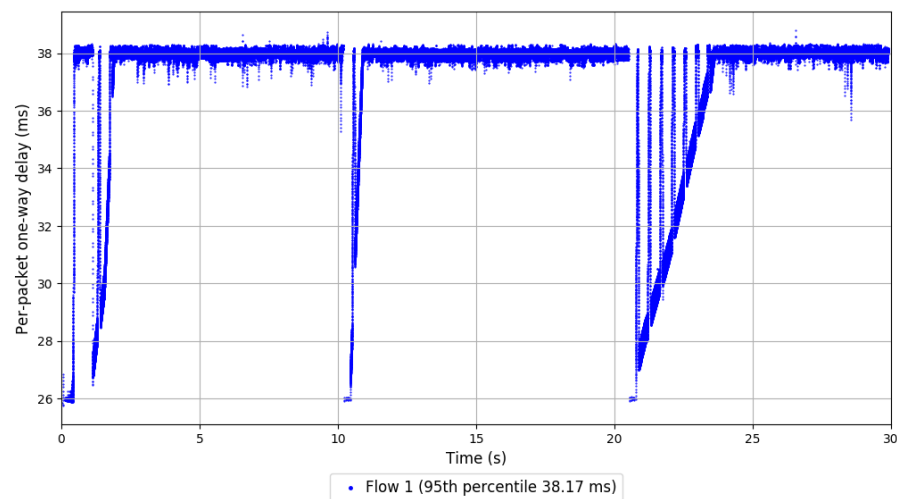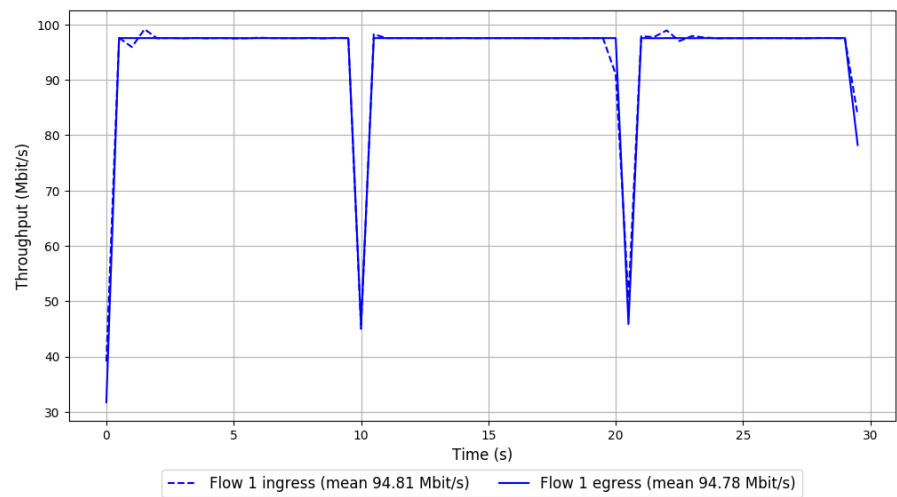
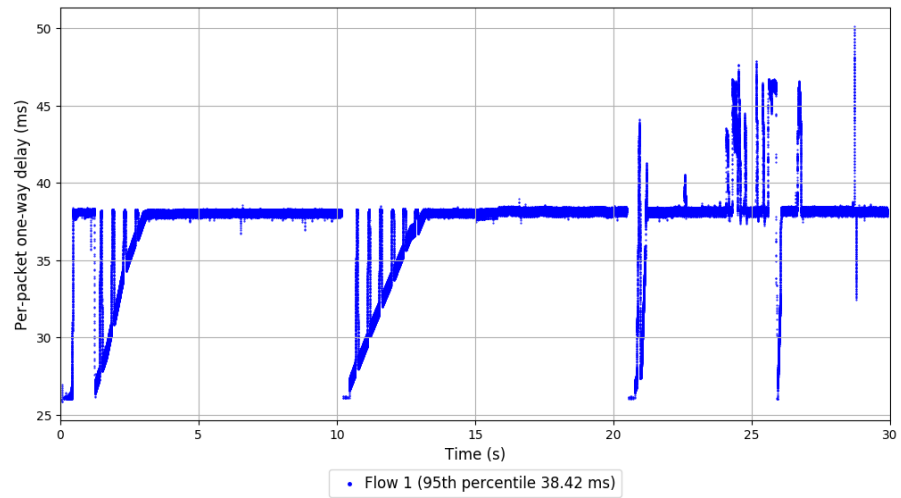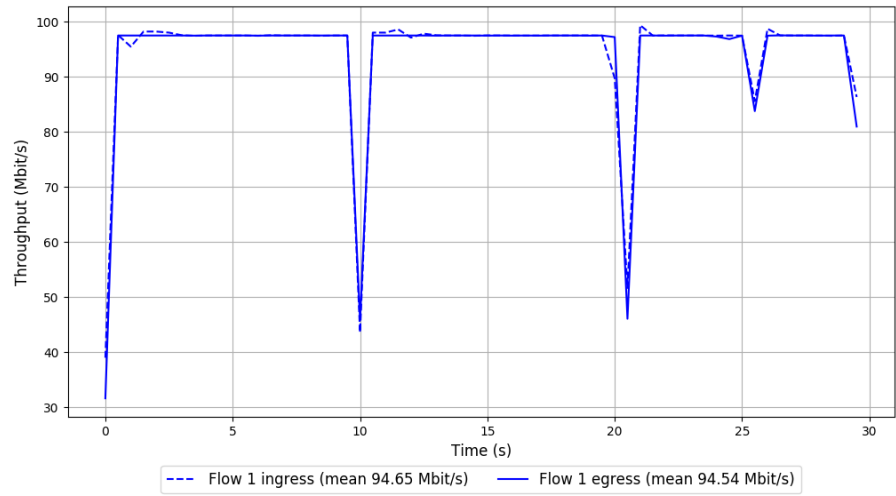# Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.69 Mbit/s)　　Flow 1 egress (mean 94.50 Mbit/s)

Flow 1 (95th percentile 41.21 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2017-11-30 09:28:06
End at: 2017-11-30 09:28:36
Local clock offset: -0.698 ms
Remote clock offset: -0.942 ms

# Below is generated by plot.py at 2017-11-30 15:05:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 38.169 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 38.169 ms
Loss rate: 0.22%
```

Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.81 Mbit/s) --- Flow 1 egress (mean 94.78 Mbit/s)

Flow 1 (95th percentile 38.17 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2017-11-30 09:46:41
End at: 2017-11-30 09:47:11
Local clock offset: -0.479 ms
Remote clock offset: -0.308 ms


# Below is generated by plot.py at 2017-11-30 15:05:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 38.417 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 38.417 ms
Loss rate: 0.29%
```
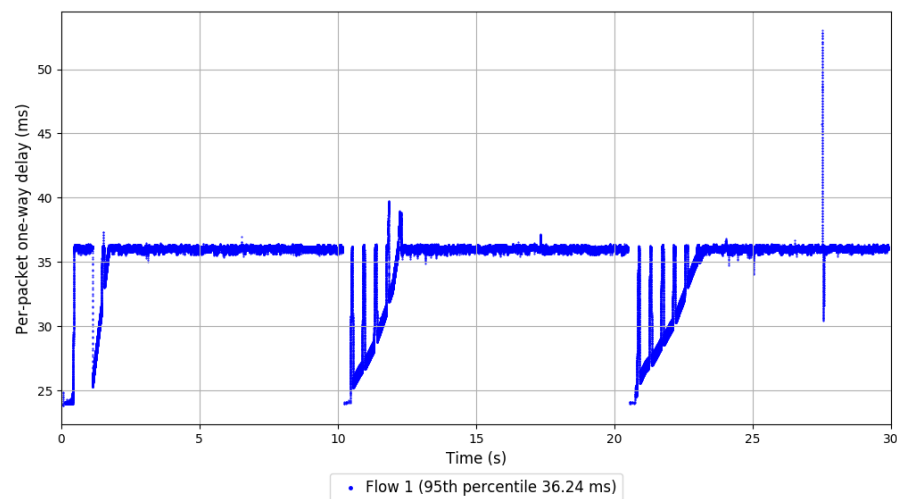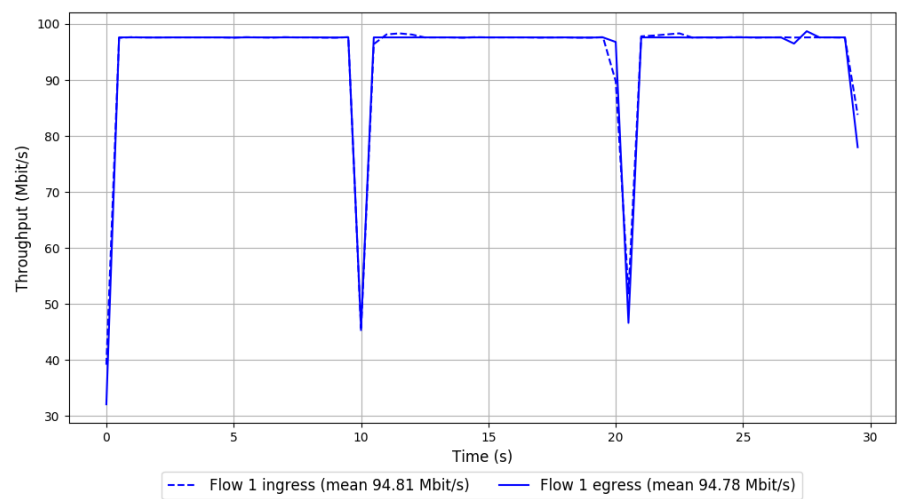
Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2017-11-30 10:05:21
End at: 2017-11-30 10:05:51
Local clock offset: -0.434 ms
Remote clock offset: 2.185 ms

# Below is generated by plot.py at 2017-11-30 15:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 36.237 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 36.237 ms
Loss rate: 0.23%
```
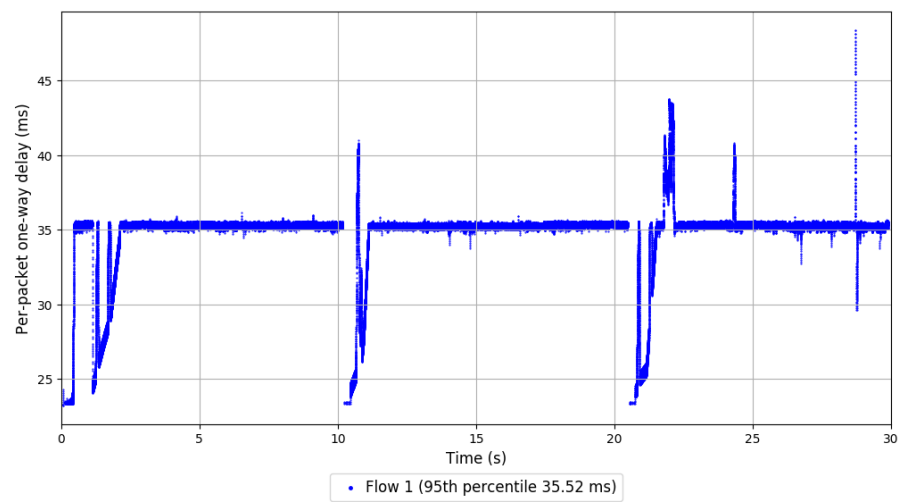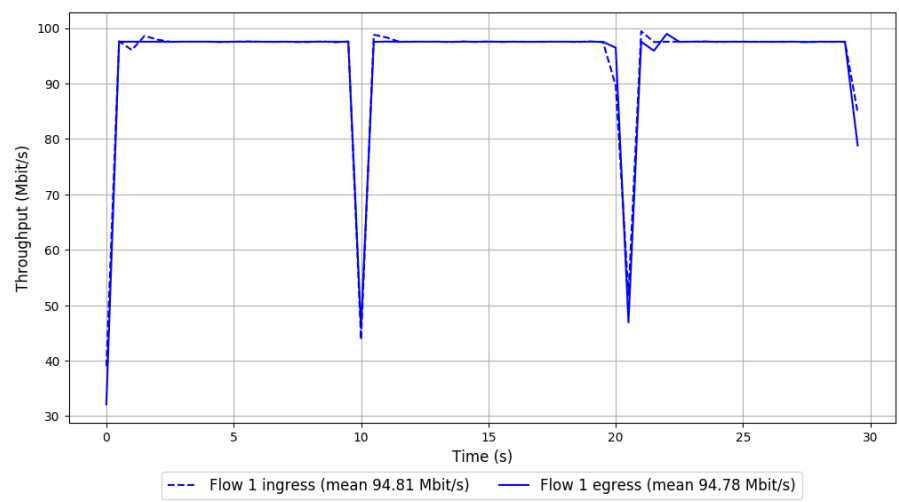
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.81 Mbit/s)   Flow 1 egress (mean 94.78 Mbit/s)

· Flow 1 (95th percentile 36.24 ms)

13

```
Run 6: Statistics of TCP BBR

Start at: 2017-11-30 10:24:02
End at: 2017-11-30 10:24:32
Local clock offset: -0.48 ms
Remote clock offset: 2.875 ms


# Below is generated by plot.py at 2017-11-30 15:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 35.525 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 35.525 ms
Loss rate: 0.23%
```
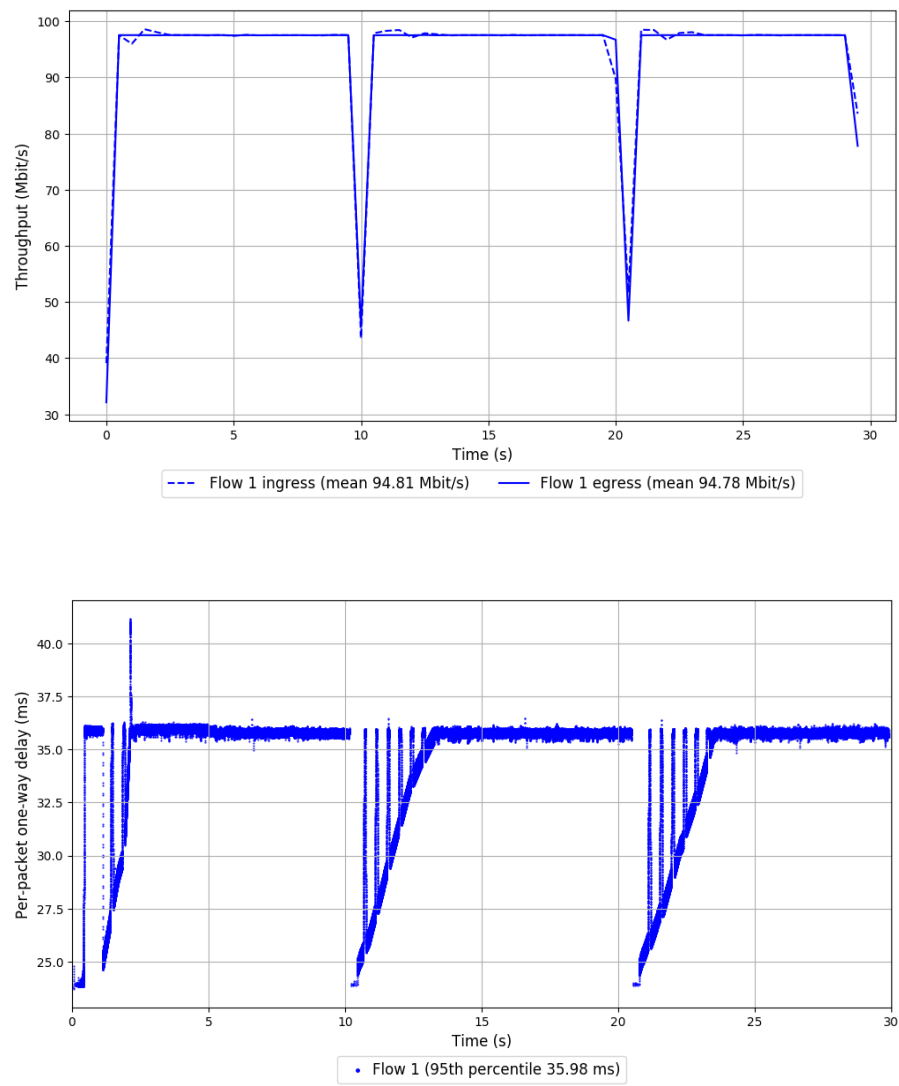
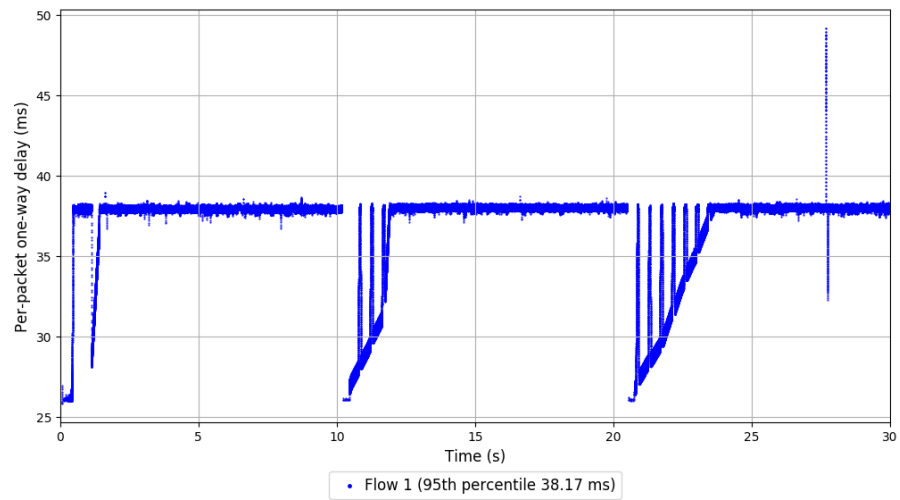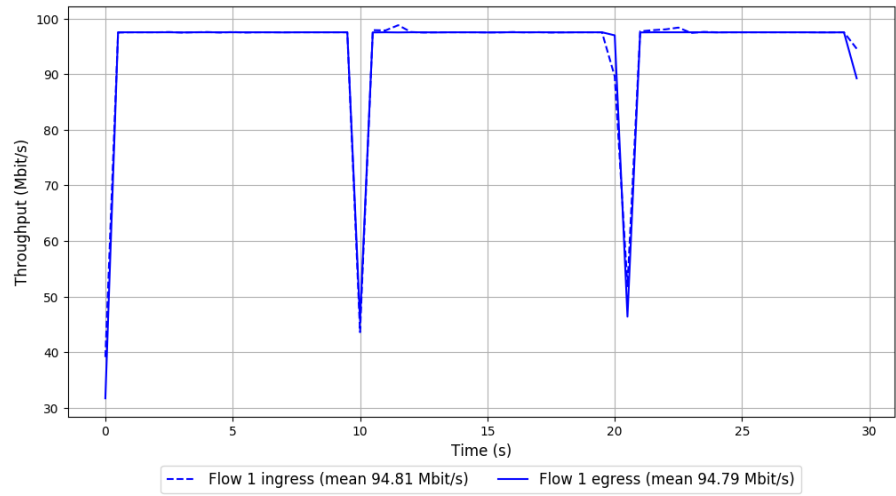Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.81 Mbit/s) ---- Flow 1 egress (mean 94.78 Mbit/s)

• Flow 1 (95th percentile 35.52 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2017-11-30 10:42:42
End at: 2017-11-30 10:43:12
Local clock offset: -0.4 ms
Remote clock offset: 2.424 ms


# Below is generated by plot.py at 2017-11-30 15:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 35.985 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 35.985 ms
Loss rate: 0.22%
```

Run 7: Report of TCP BBR — Data Link

17

```
Run 8: Statistics of TCP BBR

Start at: 2017-11-30 11:01:27
End at: 2017-11-30 11:01:57
Local clock offset: -0.31 ms
Remote clock offset: -0.425 ms


# Below is generated by plot.py at 2017-11-30 15:05:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 38.169 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 94.79 Mbit/s
95th percentile per-packet one-way delay: 38.169 ms
Loss rate: 0.22%
```
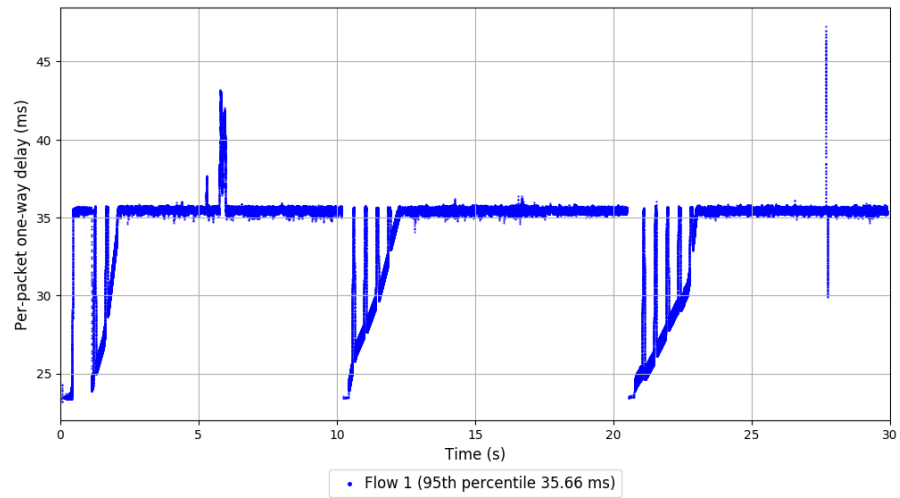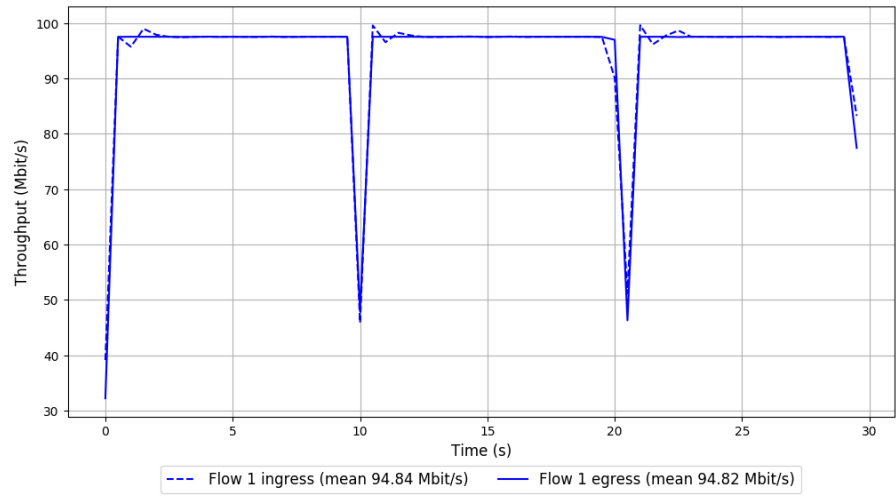
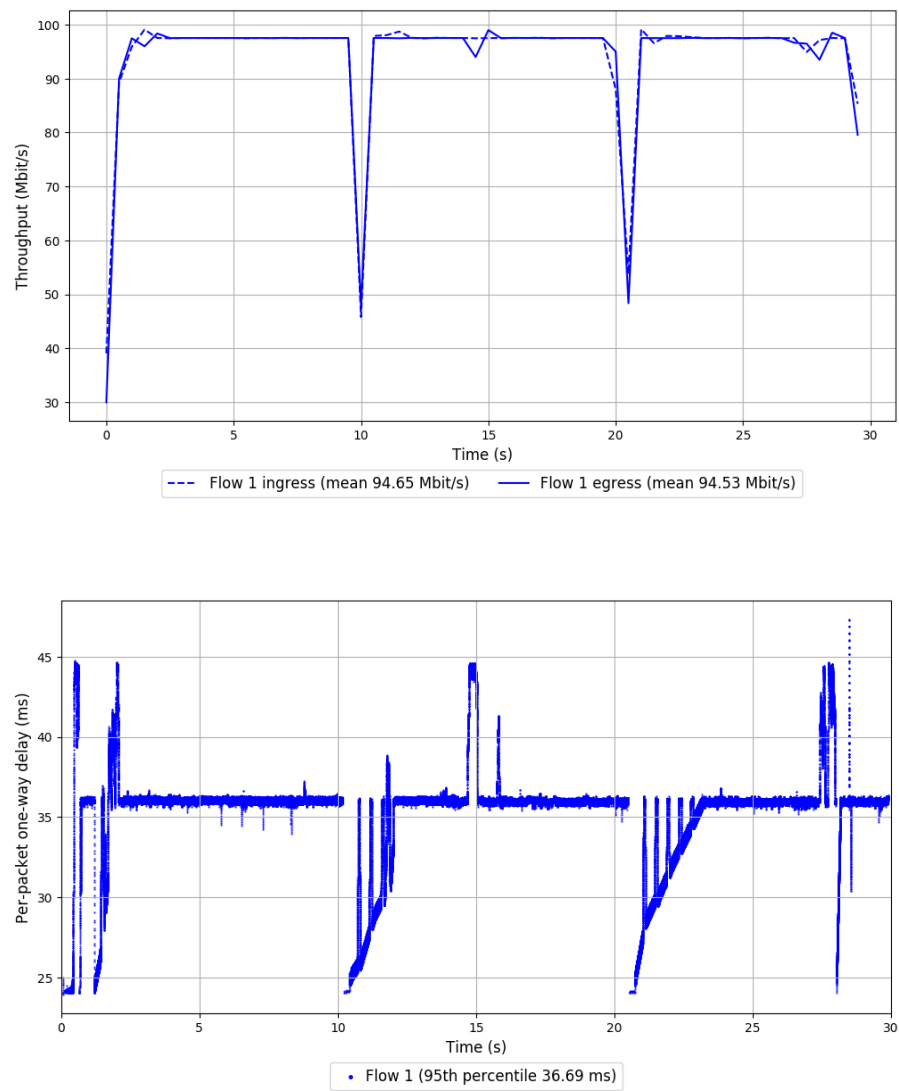# Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.81 Mbit/s)   Flow 1 egress (mean 94.79 Mbit/s)

Flow 1 (95th percentile 38.17 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2017-11-30 11:20:05
End at: 2017-11-30 11:20:35
Local clock offset: -0.232 ms
Remote clock offset: 2.146 ms


# Below is generated by plot.py at 2017-11-30 15:06:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 35.660 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 35.660 ms
Loss rate: 0.22%
```

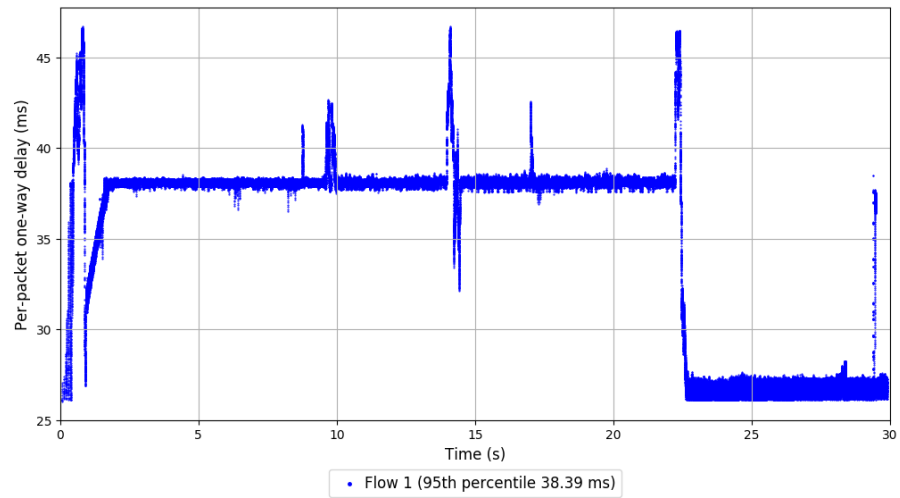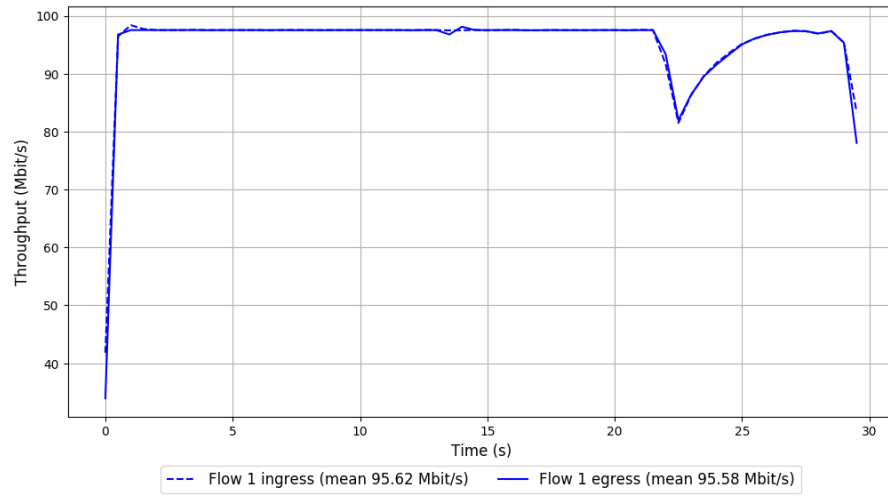Run 9: Report of TCP BBR — Data Link

```
Run 10: Statistics of TCP BBR

Start at: 2017-11-30 11:38:41
End at: 2017-11-30 11:39:11
Local clock offset: -0.041 ms
Remote clock offset: -0.039 ms


# Below is generated by plot.py at 2017-11-30 15:06:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 36.685 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 94.53 Mbit/s
95th percentile per-packet one-way delay: 36.685 ms
Loss rate: 0.33%
```
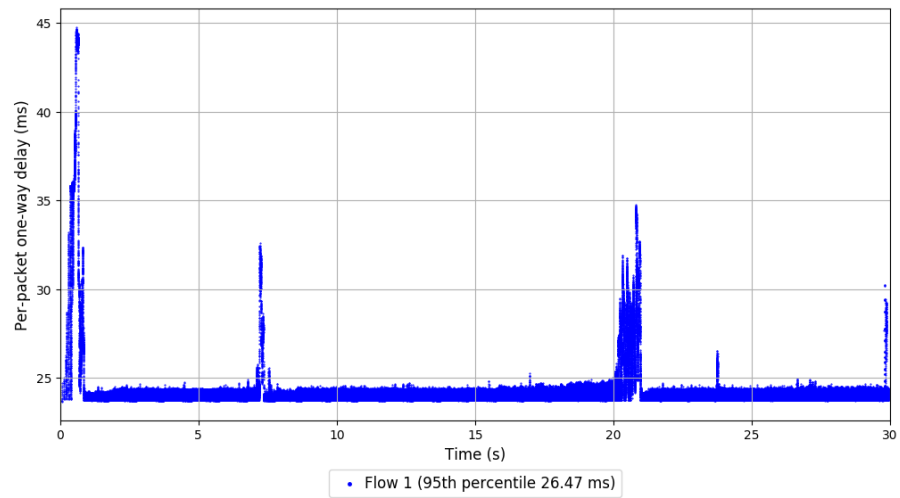
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.65 Mbit/s)   Flow 1 egress (mean 94.53 Mbit/s)

Flow 1 (95th percentile 36.69 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2017-11-30 08:53:21
End at: 2017-11-30 08:53:51
Local clock offset: -1.214 ms
Remote clock offset: -2.568 ms

# Below is generated by plot.py at 2017-11-30 15:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 38.391 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 38.391 ms
Loss rate: 0.22%
```
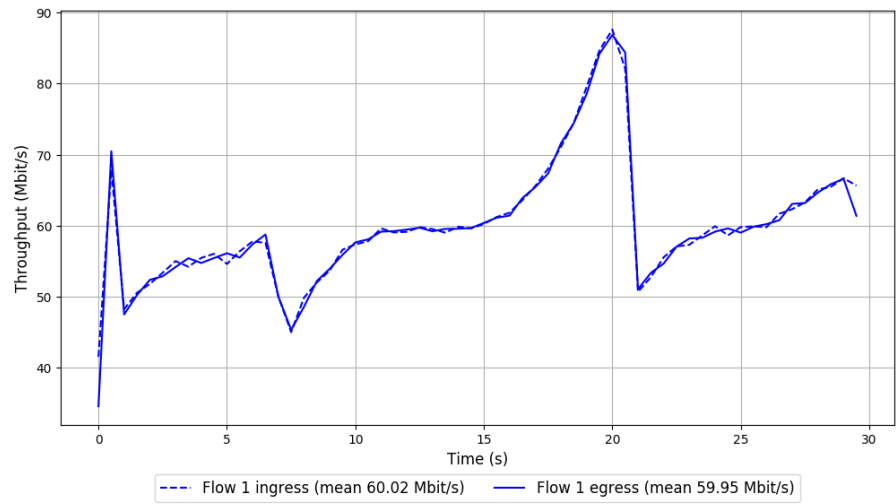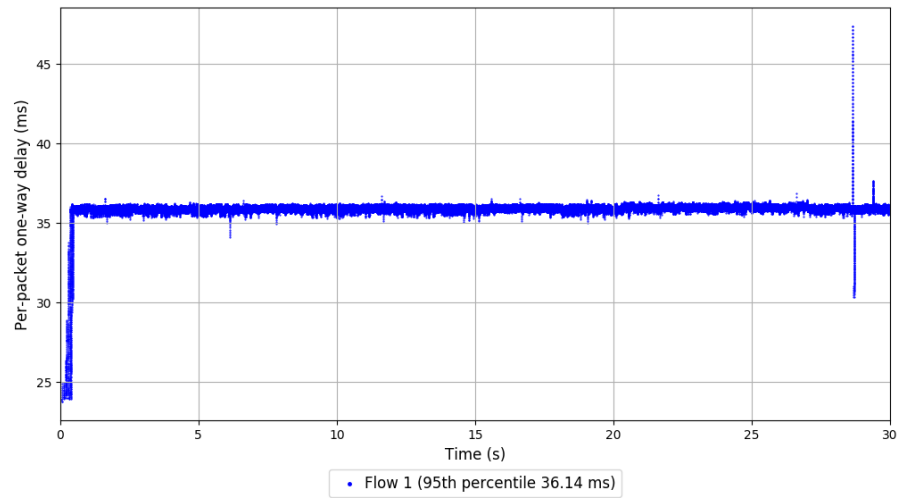
Run 1: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 95.62 Mbit/s) — Flow 1 egress (mean 95.58 Mbit/s)

• Flow 1 (95th percentile 38.39 ms)

```
Run 2: Statistics of TCP Cubic

Start at: 2017-11-30 09:12:03
End at: 2017-11-30 09:12:33
Local clock offset: -0.902 ms
Remote clock offset: 0.416 ms


# Below is generated by plot.py at 2017-11-30 15:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.95 Mbit/s
95th percentile per-packet one-way delay: 26.470 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 59.95 Mbit/s
95th percentile per-packet one-way delay: 26.470 ms
Loss rate: 0.29%
```
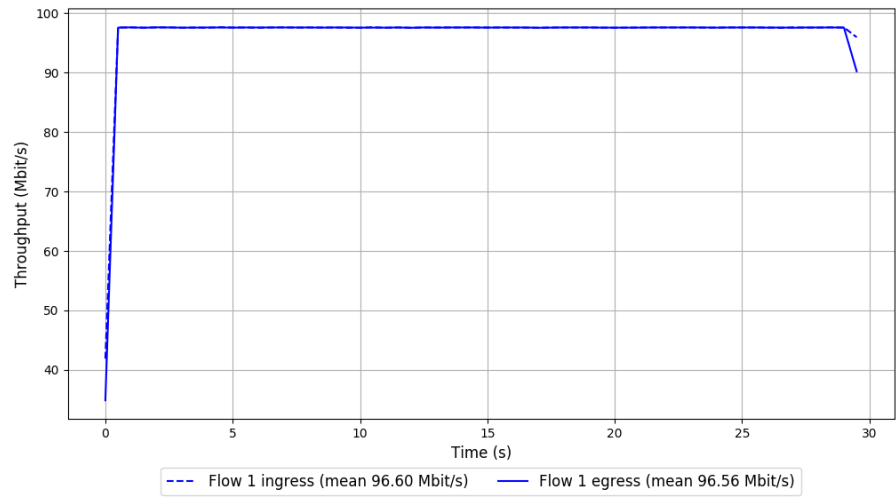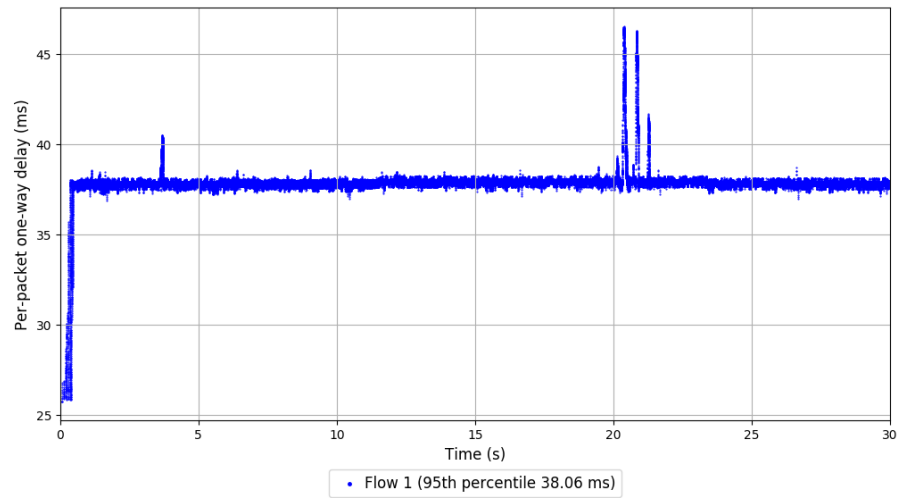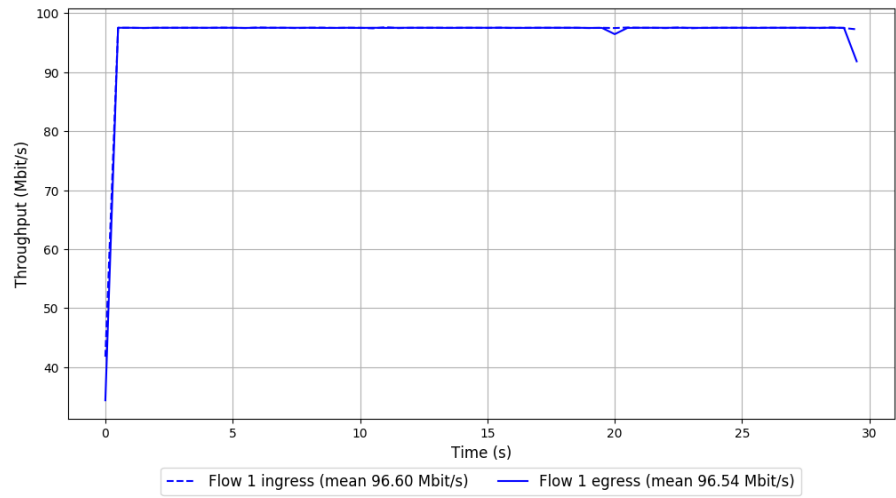
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 60.02 Mbit/s) — — — Flow 1 egress (mean 59.95 Mbit/s)

Flow 1 (95th percentile 26.47 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2017-11-30 09:30:48
End at: 2017-11-30 09:31:18
Local clock offset: -0.587 ms
Remote clock offset: 1.219 ms


# Below is generated by plot.py at 2017-11-30 15:06:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 36.137 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 36.137 ms
Loss rate: 0.22%
```
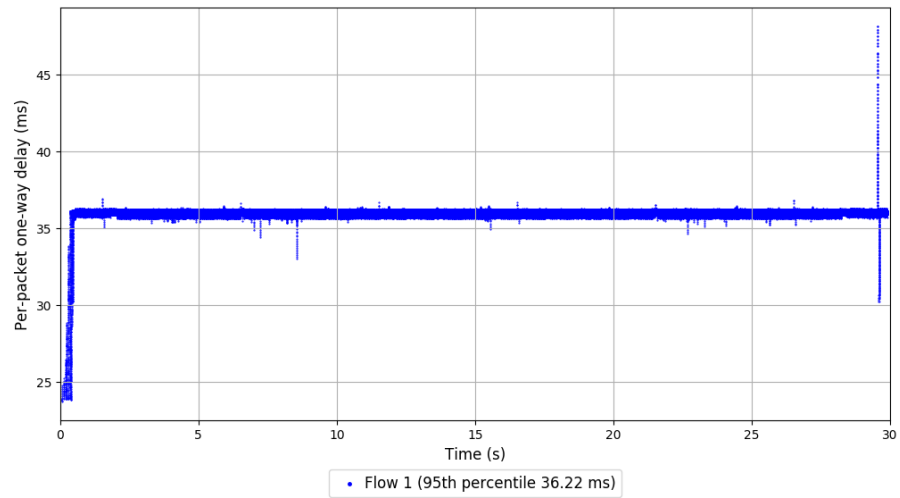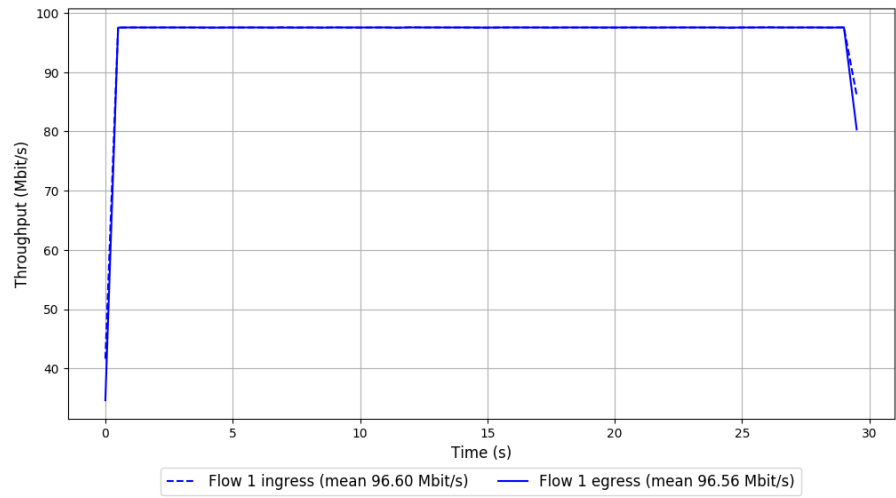
Run 3: Report of TCP Cubic — Data Link

```
Run 4: Statistics of TCP Cubic

Start at: 2017-11-30 09:49:22
End at: 2017-11-30 09:49:52
Local clock offset: -0.561 ms
Remote clock offset: -0.146 ms


# Below is generated by plot.py at 2017-11-30 15:06:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 38.060 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 38.060 ms
Loss rate: 0.24%
```
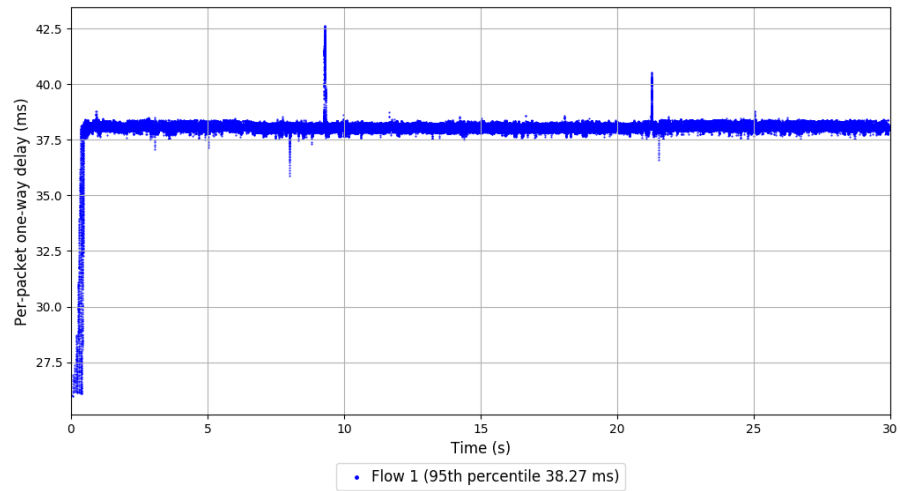
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 96.60 Mbit/s)   Flow 1 egress (mean 96.54 Mbit/s)

• Flow 1 (95th percentile 38.06 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2017-11-30 10:08:02
End at: 2017-11-30 10:08:33
Local clock offset: -0.439 ms
Remote clock offset: 2.316 ms


# Below is generated by plot.py at 2017-11-30 15:06:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 36.215 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 36.215 ms
Loss rate: 0.22%
```
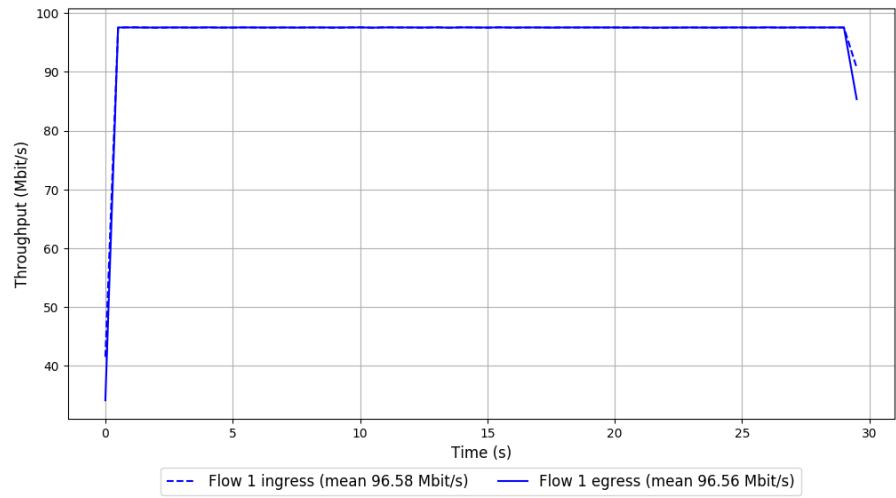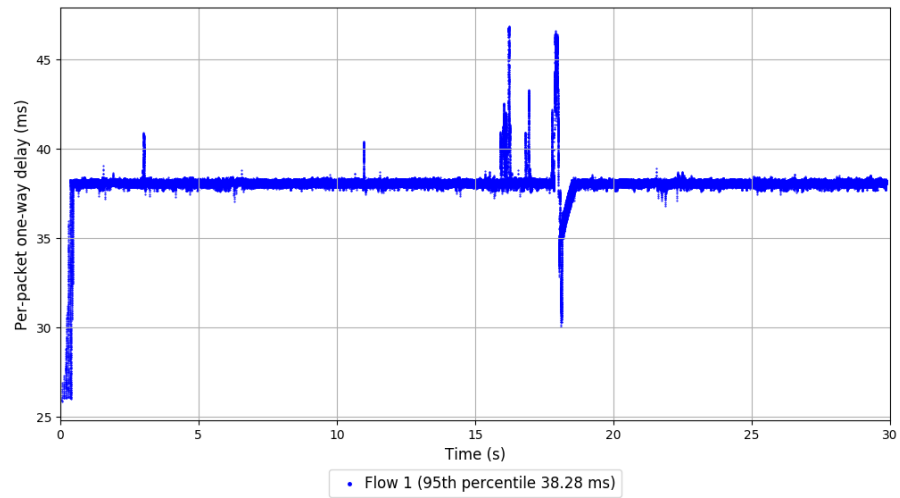
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 96.60 Mbit/s) —— Flow 1 egress (mean 96.56 Mbit/s)

• Flow 1 (95th percentile 36.22 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2017-11-30 10:26:44
End at: 2017-11-30 10:27:14
Local clock offset: -0.356 ms
Remote clock offset: 0.209 ms


# Below is generated by plot.py at 2017-11-30 15:06:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 38.269 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 38.269 ms
Loss rate: 0.22%
```
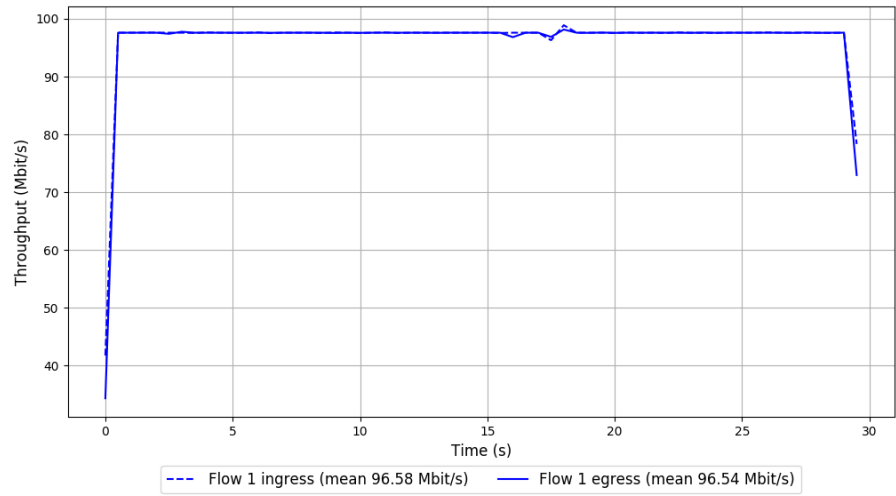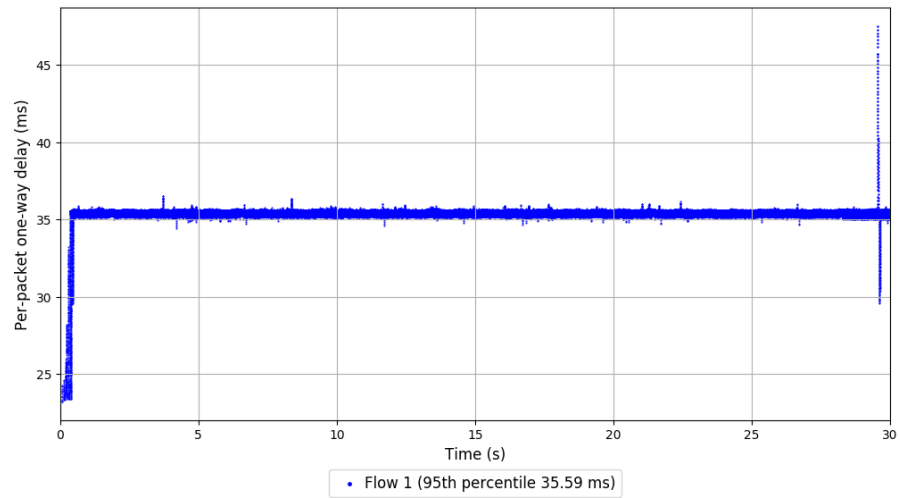
Run 6: Report of TCP Cubic — Data Link

```
Run 7: Statistics of TCP Cubic

Start at: 2017-11-30 10:45:25
End at: 2017-11-30 10:45:55
Local clock offset: -0.37 ms
Remote clock offset: 0.225 ms


# Below is generated by plot.py at 2017-11-30 15:07:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 38.279 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 38.279 ms
Loss rate: 0.24%
```
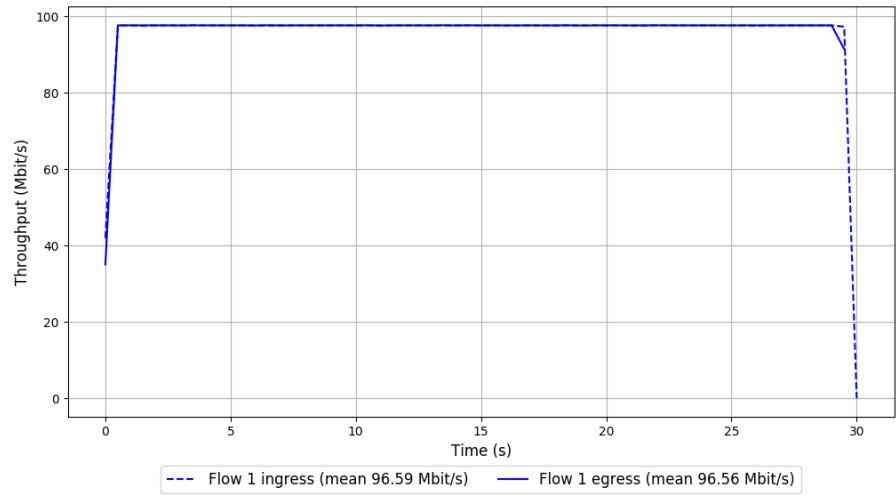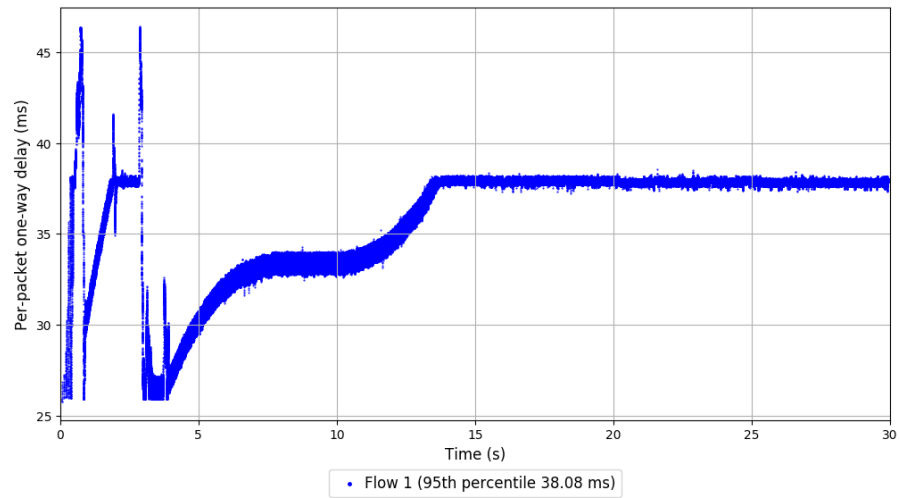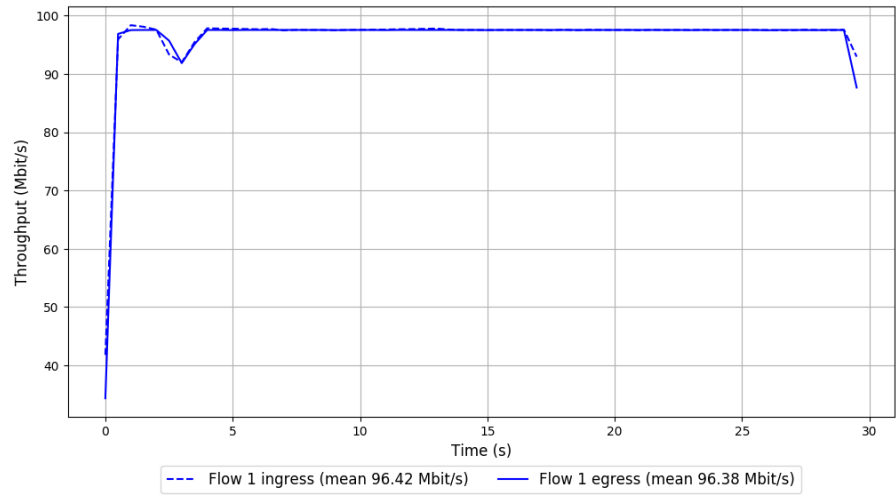
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 96.58 Mbit/s) --- Flow 1 egress (mean 96.54 Mbit/s)

• Flow 1 (95th percentile 38.28 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2017-11-30 11:04:09
End at: 2017-11-30 11:04:39
Local clock offset: -0.215 ms
Remote clock offset: 2.293 ms


# Below is generated by plot.py at 2017-11-30 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 35.585 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 35.585 ms
Loss rate: 0.22%
```
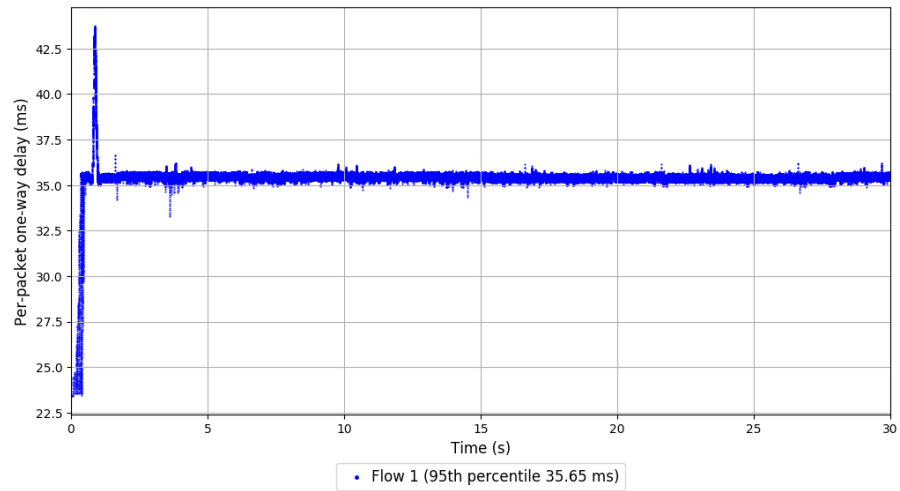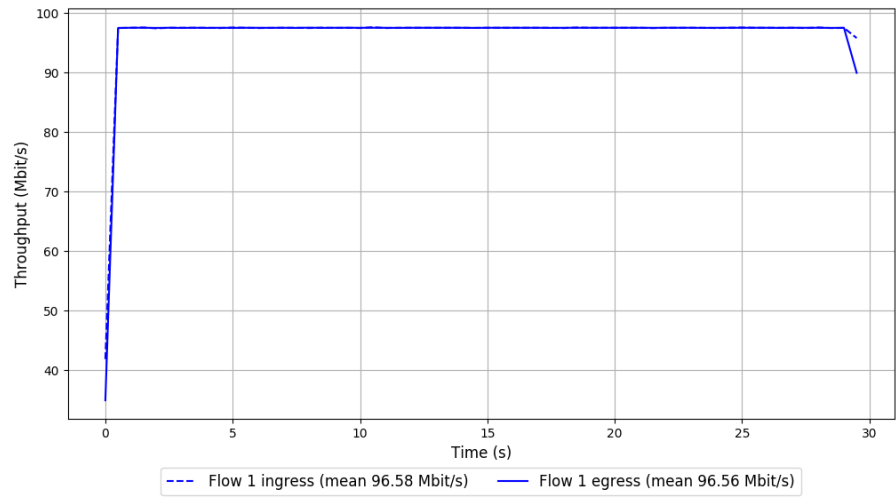
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 96.59 Mbit/s)   Flow 1 egress (mean 96.56 Mbit/s)

Flow 1 (95th percentile 35.59 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2017-11-30 11:22:46
End at: 2017-11-30 11:23:16
Local clock offset: -0.224 ms
Remote clock offset: -0.434 ms


# Below is generated by plot.py at 2017-11-30 15:07:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 38.077 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 38.077 ms
Loss rate: 0.23%
```
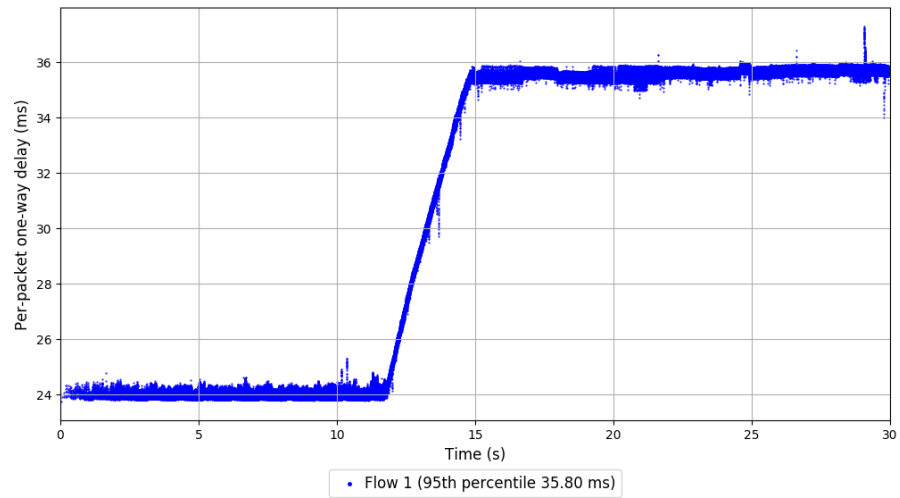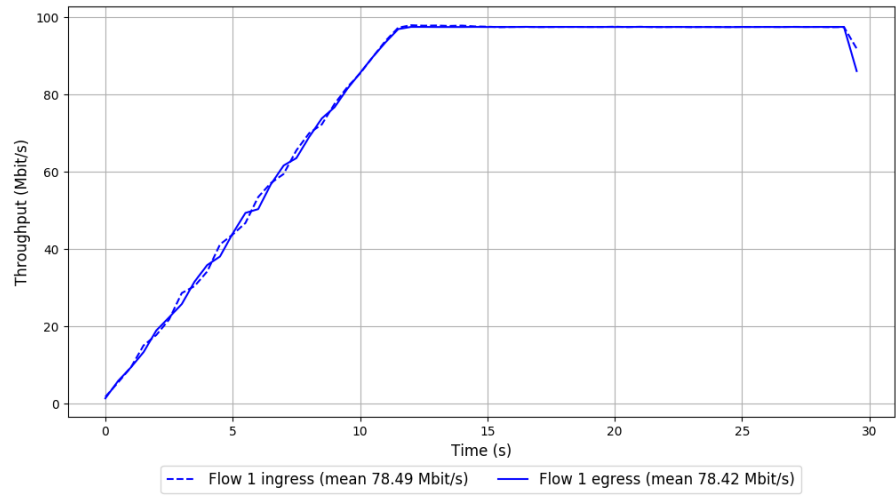
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 96.42 Mbit/s)   Flow 1 egress (mean 96.38 Mbit/s)

Flow 1 (95th percentile 38.08 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2017-11-30 11:41:23
End at: 2017-11-30 11:41:53
Local clock offset: -0.143 ms
Remote clock offset: 0.258 ms


# Below is generated by plot.py at 2017-11-30 15:07:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 35.649 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 35.649 ms
Loss rate: 0.22%
```
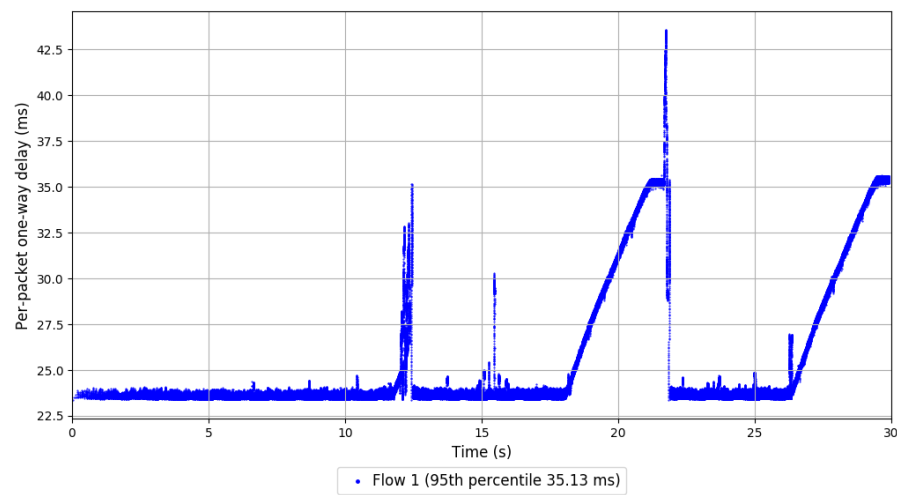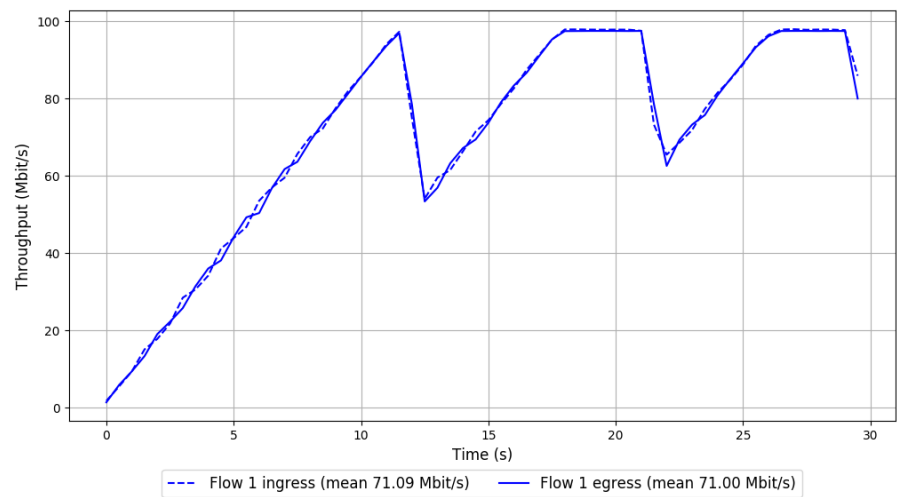
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 96.58 Mbit/s) ---- Flow 1 egress (mean 96.56 Mbit/s) ——

Flow 1 (95th percentile 35.65 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2017-11-30 08:56:04
End at: 2017-11-30 08:56:34
Local clock offset: -1.24 ms
Remote clock offset: -0.244 ms


# Below is generated by plot.py at 2017-11-30 15:07:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.42 Mbit/s
95th percentile per-packet one-way delay: 35.799 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 78.42 Mbit/s
95th percentile per-packet one-way delay: 35.799 ms
Loss rate: 0.27%
```
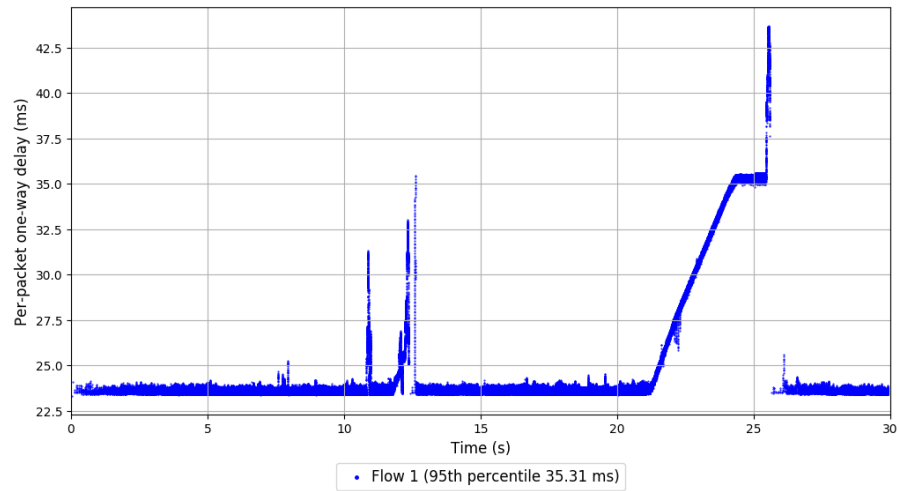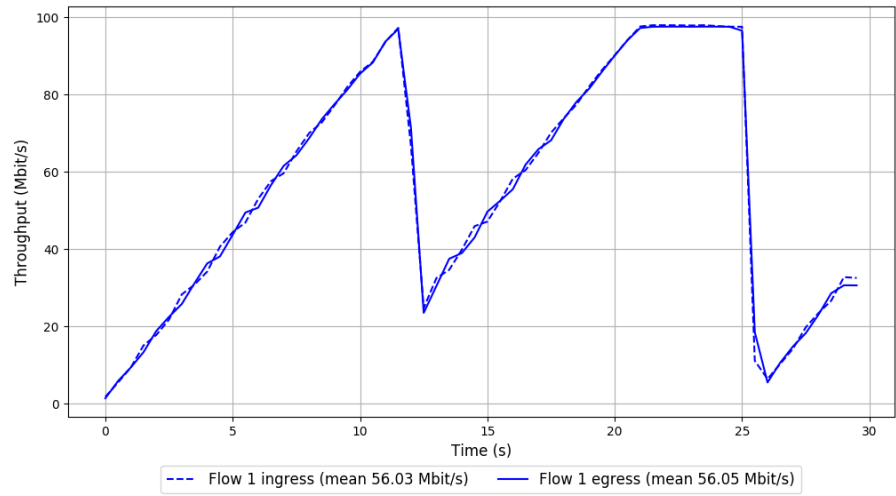
Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2017-11-30 09:14:46
End at: 2017-11-30 09:15:16
Local clock offset: -0.767 ms
Remote clock offset: 1.005 ms


# Below is generated by plot.py at 2017-11-30 15:07:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 35.133 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 71.00 Mbit/s
95th percentile per-packet one-way delay: 35.133 ms
Loss rate: 0.30%
```
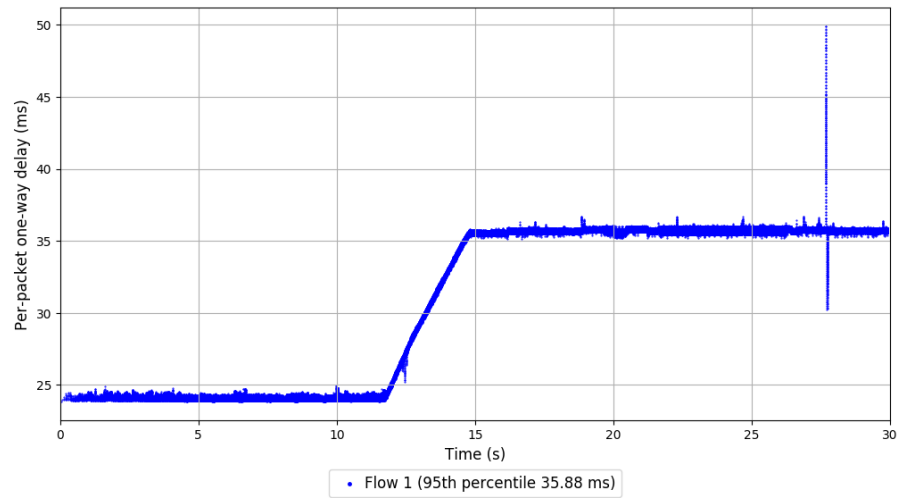
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2017-11-30 09:33:29
End at: 2017-11-30 09:33:59
Local clock offset: -0.673 ms
Remote clock offset: 1.678 ms

# Below is generated by plot.py at 2017-11-30 15:07:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.05 Mbit/s
95th percentile per-packet one-way delay: 35.310 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 56.05 Mbit/s
95th percentile per-packet one-way delay: 35.310 ms
Loss rate: 0.14%
```
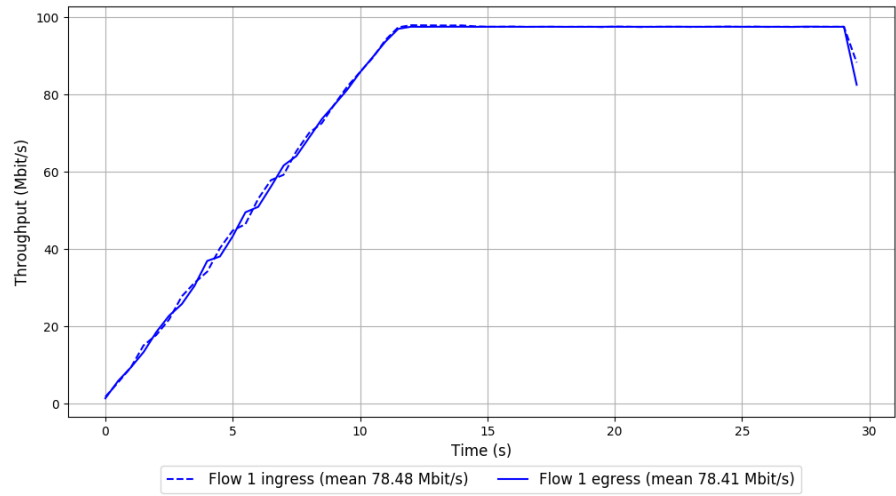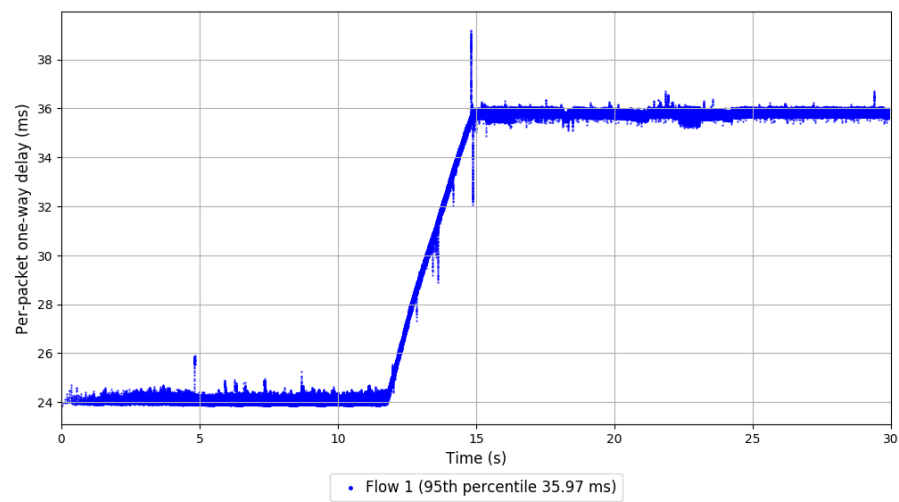
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 56.03 Mbit/s)   Flow 1 egress (mean 56.05 Mbit/s)

Flow 1 (95th percentile 35.31 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2017-11-30 09:52:04
End at: 2017-11-30 09:52:34
Local clock offset: -0.447 ms
Remote clock offset: 1.995 ms

# Below is generated by plot.py at 2017-11-30 15:07:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.41 Mbit/s
95th percentile per-packet one-way delay: 35.881 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 78.41 Mbit/s
95th percentile per-packet one-way delay: 35.881 ms
Loss rate: 0.27%
```
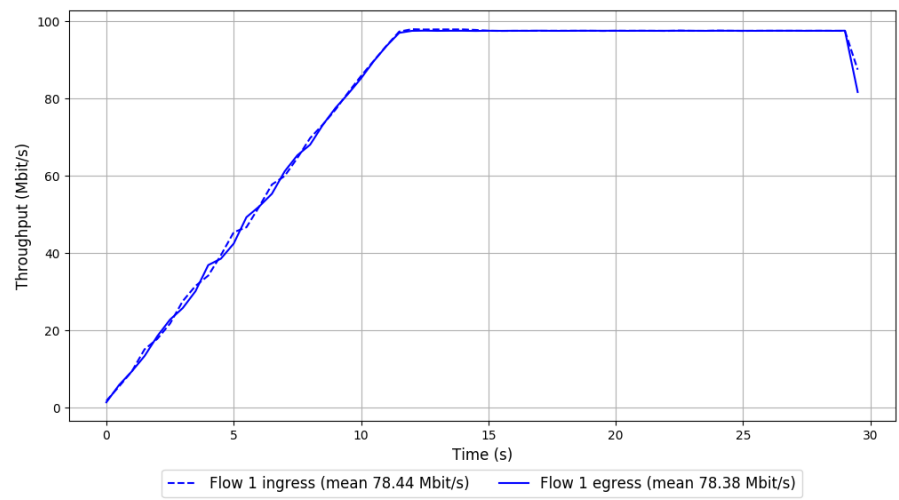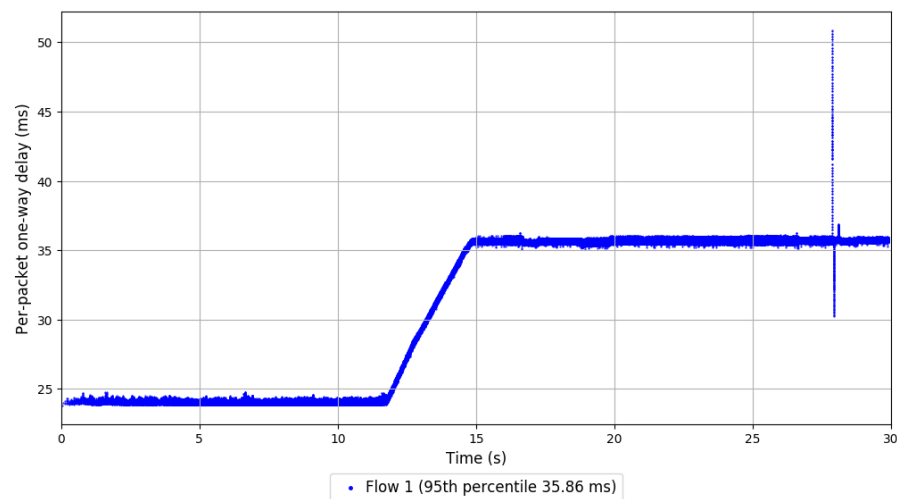
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 78.48 Mbit/s) --- Flow 1 egress (mean 78.41 Mbit/s)

• Flow 1 (95th percentile 35.88 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2017-11-30 10:10:46
End at: 2017-11-30 10:11:16
Local clock offset: -0.453 ms
Remote clock offset: 2.296 ms


# Below is generated by plot.py at 2017-11-30 15:08:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.38 Mbit/s
95th percentile per-packet one-way delay: 35.966 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 78.38 Mbit/s
95th percentile per-packet one-way delay: 35.966 ms
Loss rate: 0.27%
```
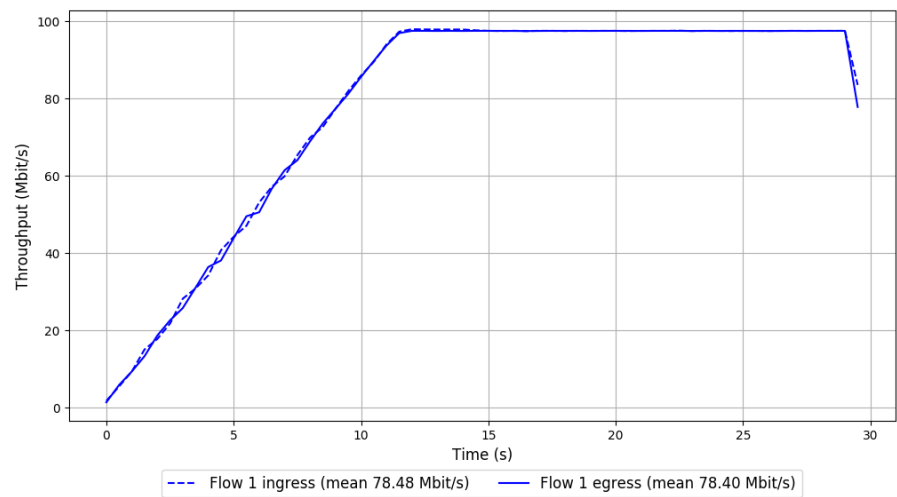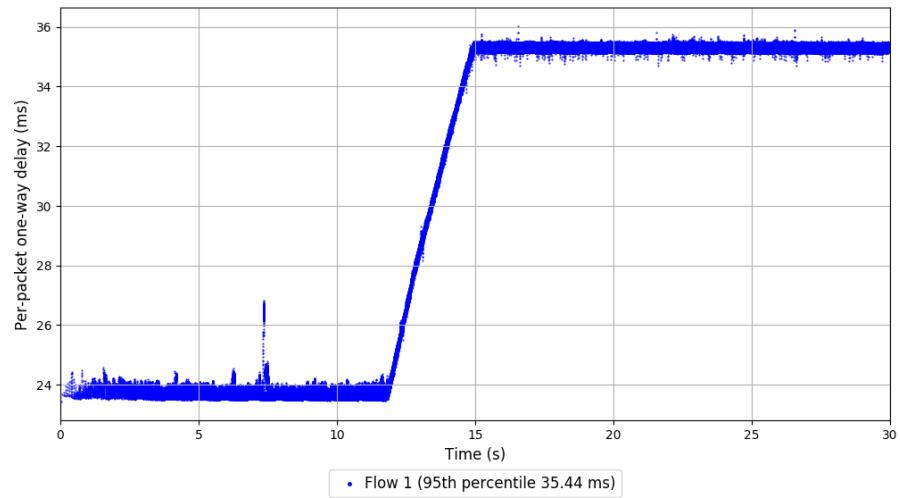
Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2017-11-30 10:29:26
End at: 2017-11-30 10:29:56
Local clock offset: -0.345 ms
Remote clock offset: 2.439 ms


# Below is generated by plot.py at 2017-11-30 15:08:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 35.864 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 35.864 ms
Loss rate: 0.27%
```
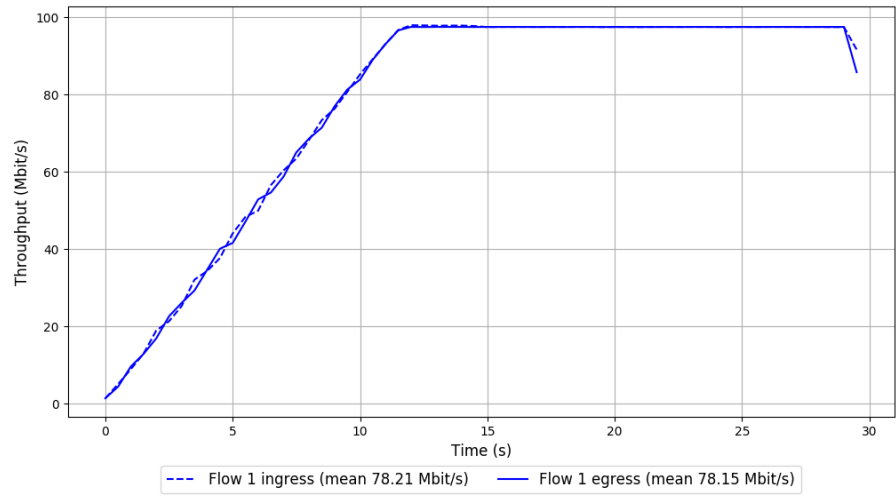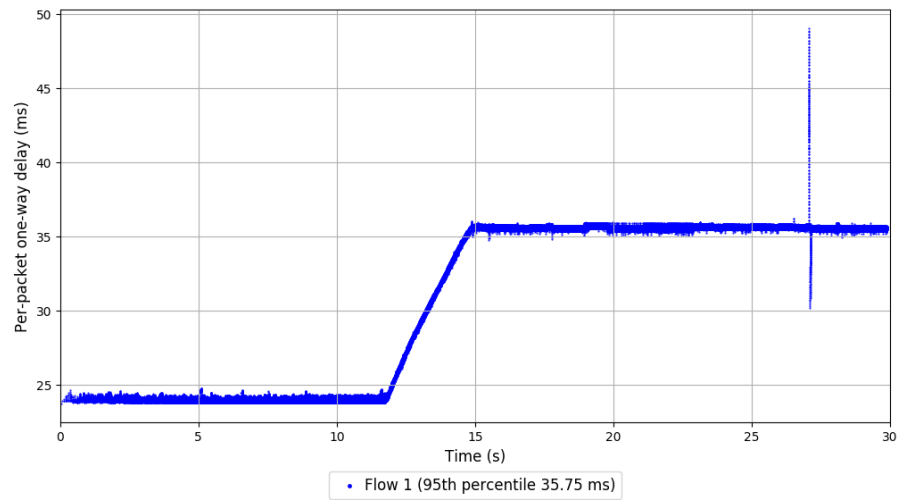
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 78.48 Mbit/s) — — — Flow 1 egress (mean 78.40 Mbit/s)

• Flow 1 (95th percentile 35.86 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2017-11-30 10:48:08
End at: 2017-11-30 10:48:39
Local clock offset: -0.289 ms
Remote clock offset: 2.643 ms


# Below is generated by plot.py at 2017-11-30 15:08:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: 35.443 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 78.15 Mbit/s
95th percentile per-packet one-way delay: 35.443 ms
Loss rate: 0.27%
```
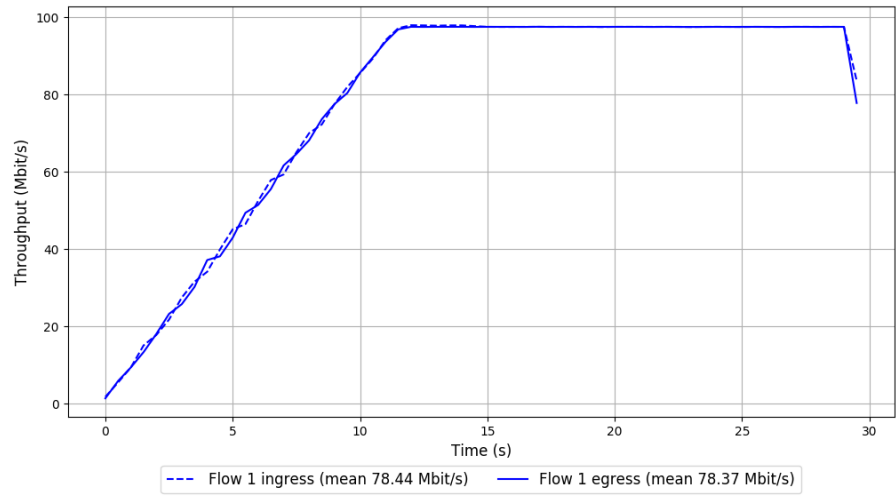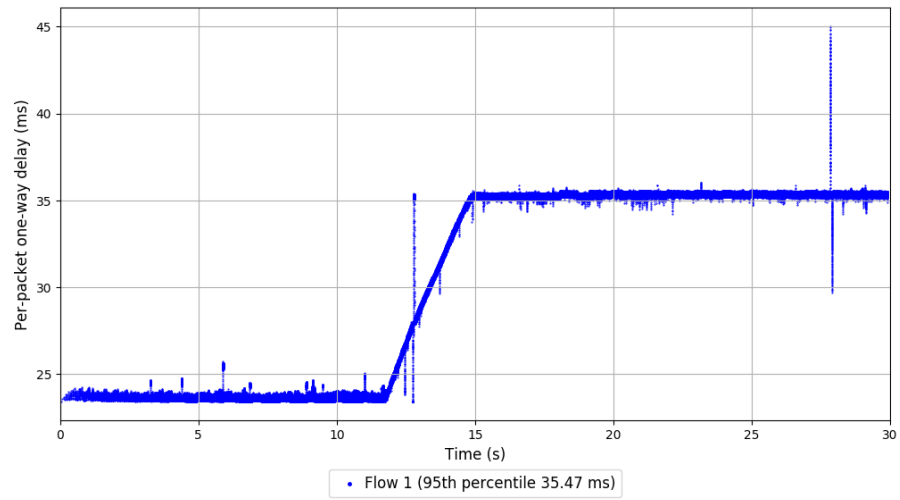
Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 78.21 Mbit/s)   Flow 1 egress (mean 78.15 Mbit/s)

• Flow 1 (95th percentile 35.44 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2017-11-30 11:06:51
End at: 2017-11-30 11:07:21
Local clock offset: -0.319 ms
Remote clock offset: 1.719 ms

# Below is generated by plot.py at 2017-11-30 15:08:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.37 Mbit/s
95th percentile per-packet one-way delay: 35.754 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 78.37 Mbit/s
95th percentile per-packet one-way delay: 35.754 ms
Loss rate: 0.27%
```
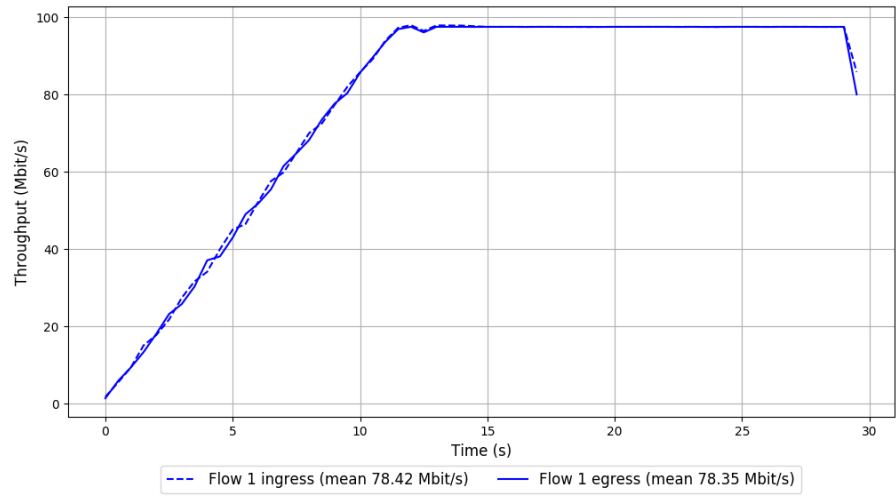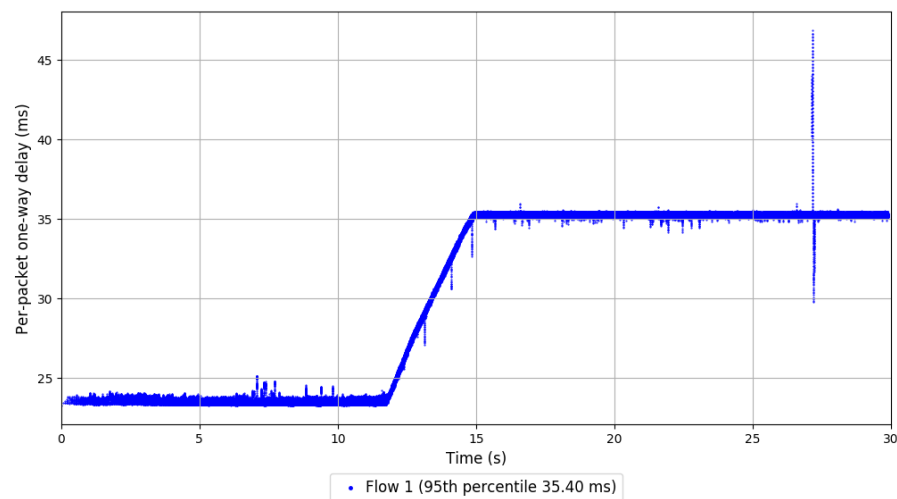
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 78.44 Mbit/s) --- Flow 1 egress (mean 78.37 Mbit/s)

· Flow 1 (95th percentile 35.75 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2017-11-30 11:25:27
End at: 2017-11-30 11:25:58
Local clock offset: -0.182 ms
Remote clock offset: 1.887 ms


# Below is generated by plot.py at 2017-11-30 15:08:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.35 Mbit/s
95th percentile per-packet one-way delay: 35.473 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 78.35 Mbit/s
95th percentile per-packet one-way delay: 35.473 ms
Loss rate: 0.27%
```
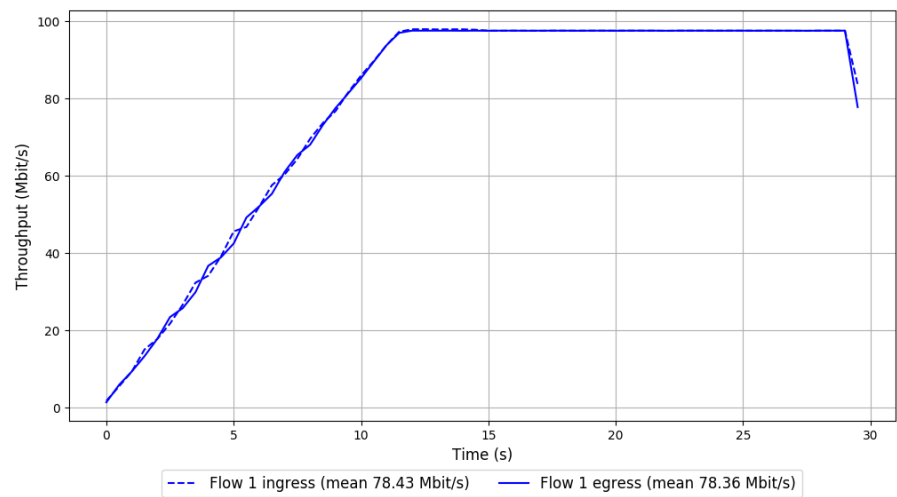
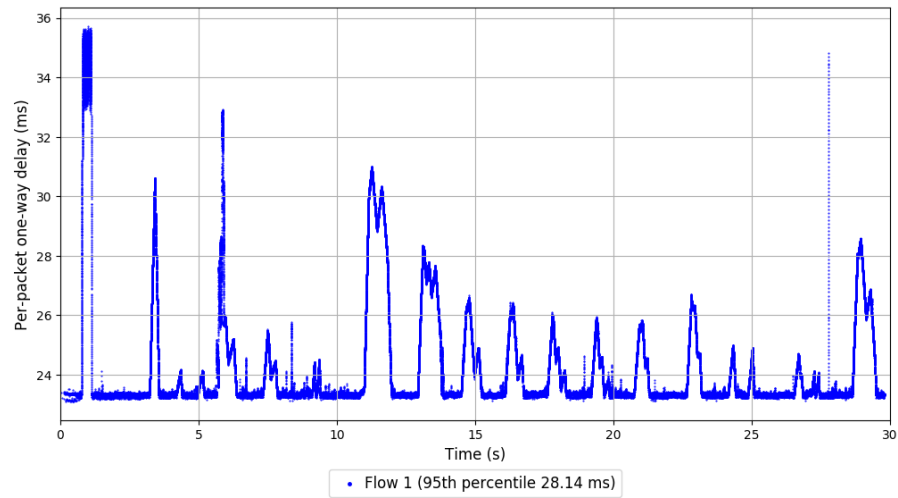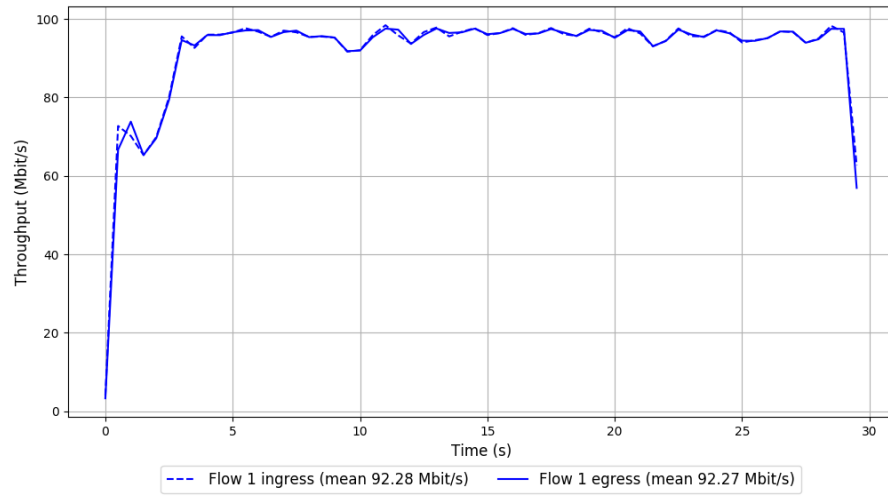# Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: 2017-11-30 11:44:05
End at: 2017-11-30 11:44:35
Local clock offset: -0.14 ms
Remote clock offset: 0.241 ms


# Below is generated by plot.py at 2017-11-30 15:09:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 35.404 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 35.404 ms
Loss rate: 0.27%
```
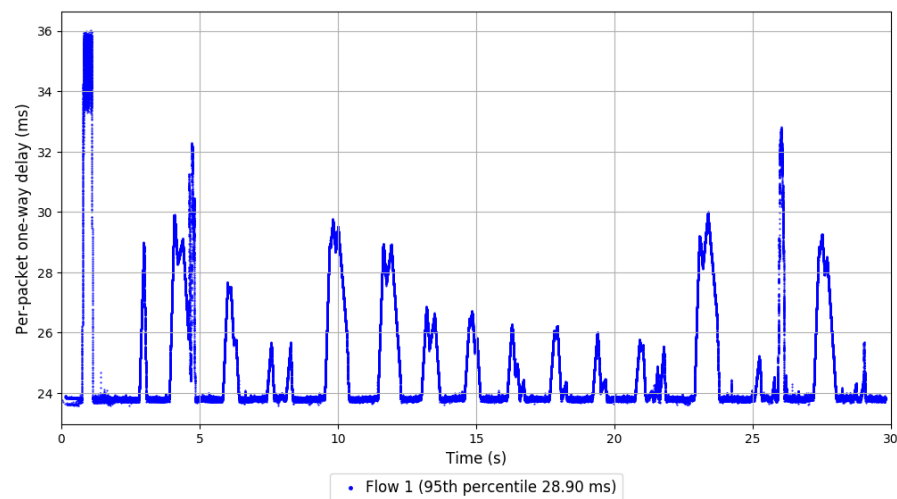
Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 78.43 Mbit/s)   Flow 1 egress (mean 78.36 Mbit/s)

Flow 1 (95th percentile 35.40 ms)

```
Run 1: Statistics of PCC

Start at: 2017-11-30 08:59:58
End at: 2017-11-30 09:00:28
Local clock offset: -1.151 ms
Remote clock offset: 0.28 ms


# Below is generated by plot.py at 2017-11-30 15:09:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 28.138 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 28.138 ms
Loss rate: 0.19%
```
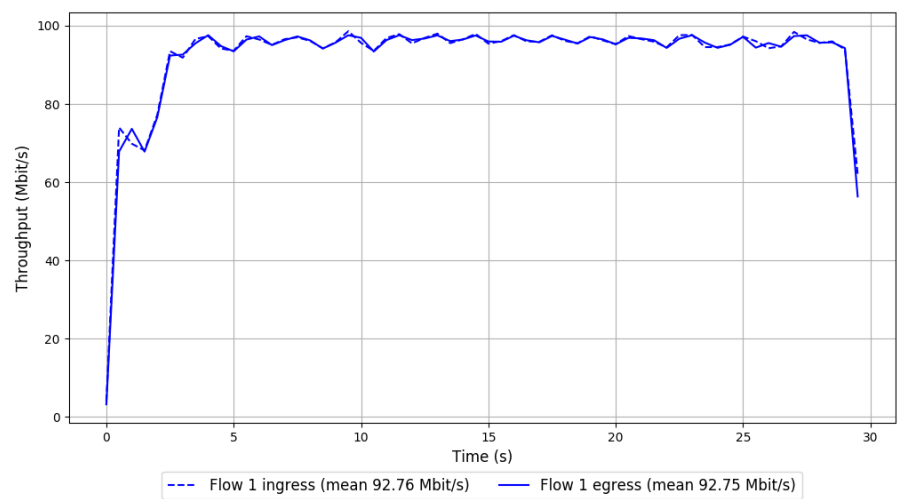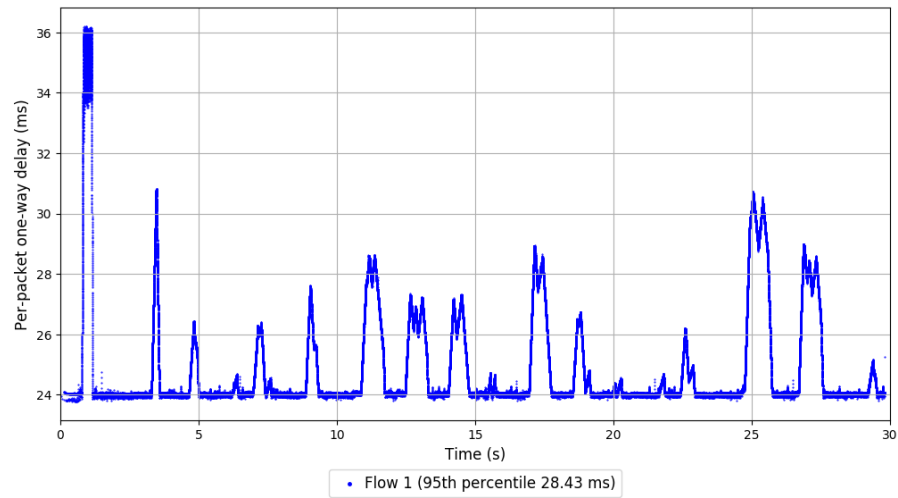
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 92.28 Mbit/s)   Flow 1 egress (mean 92.27 Mbit/s)

Flow 1 (95th percentile 28.14 ms)

```
Run 2: Statistics of PCC

Start at: 2017-11-30 09:18:42
End at: 2017-11-30 09:19:12
Local clock offset: -0.709 ms
Remote clock offset: 0.762 ms


# Below is generated by plot.py at 2017-11-30 15:09:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 28.900 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 28.900 ms
Loss rate: 0.20%
```
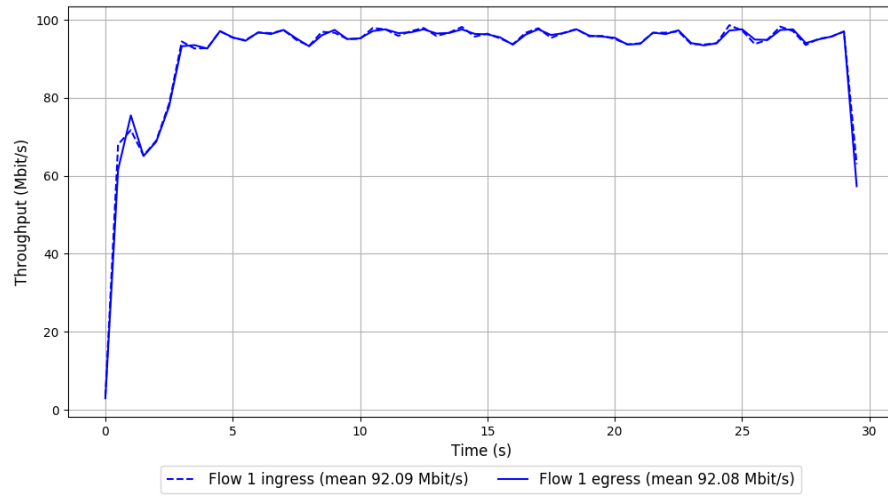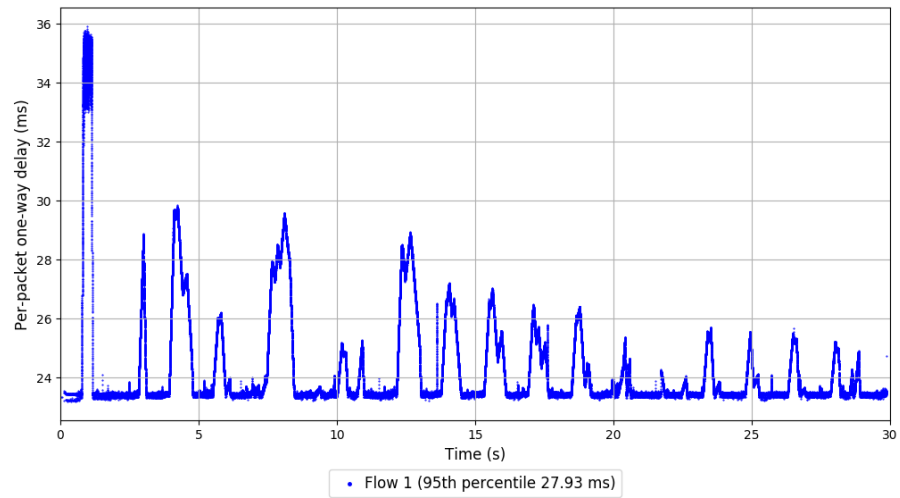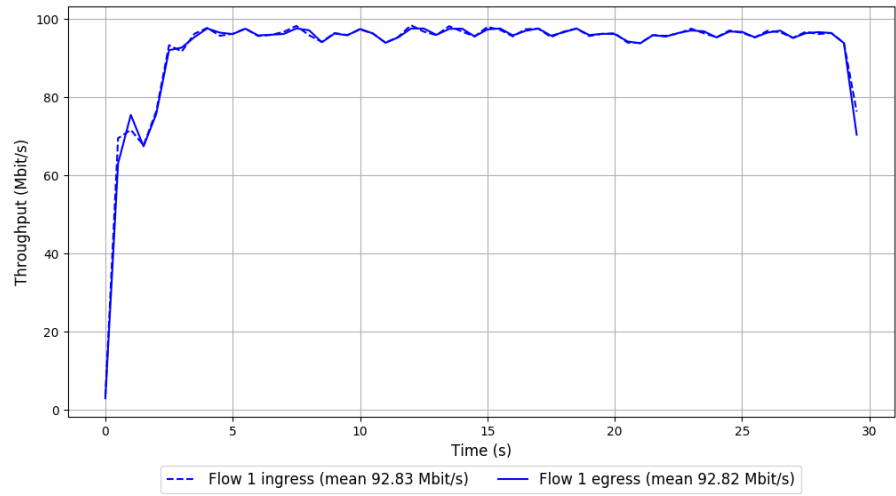
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 92.76 Mbit/s)   Flow 1 egress (mean 92.75 Mbit/s)

Flow 1 (95th percentile 28.90 ms)

```
Run 3: Statistics of PCC

Start at: 2017-11-30 09:37:20
End at: 2017-11-30 09:37:50
Local clock offset: -0.53 ms
Remote clock offset: 1.361 ms


# Below is generated by plot.py at 2017-11-30 15:09:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.08 Mbit/s
95th percentile per-packet one-way delay: 28.434 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 92.08 Mbit/s
95th percentile per-packet one-way delay: 28.434 ms
Loss rate: 0.19%
```
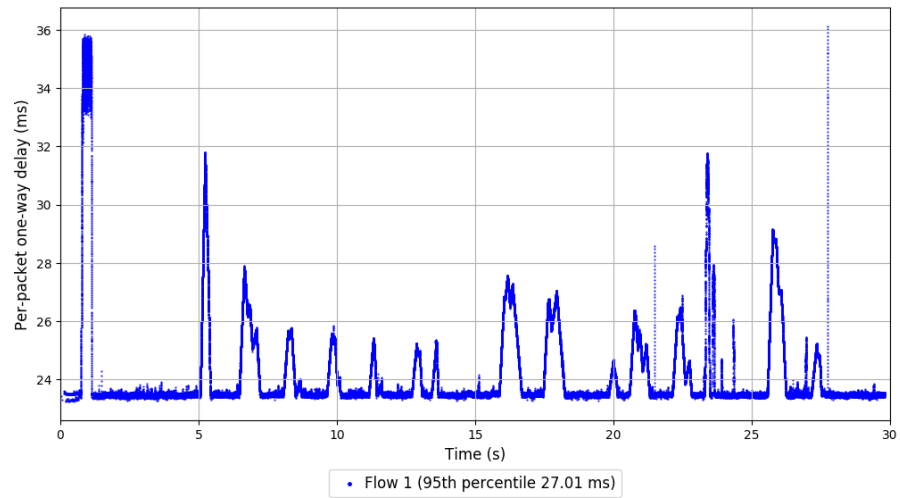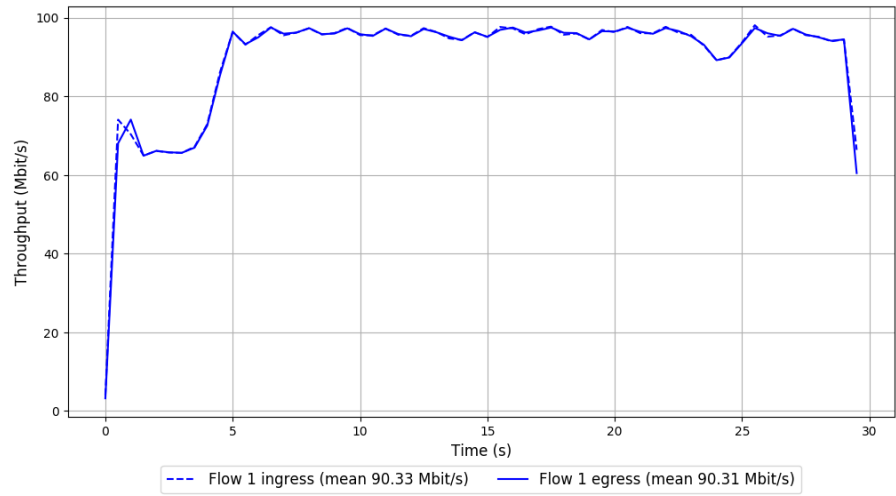
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 92.09 Mbit/s) --- Flow 1 egress (mean 92.08 Mbit/s)

• Flow 1 (95th percentile 28.43 ms)

69

```
Run 4: Statistics of PCC

Start at: 2017-11-30 09:55:58
End at: 2017-11-30 09:56:28
Local clock offset: -0.475 ms
Remote clock offset: 2.554 ms


# Below is generated by plot.py at 2017-11-30 15:09:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.82 Mbit/s
95th percentile per-packet one-way delay: 27.930 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 92.82 Mbit/s
95th percentile per-packet one-way delay: 27.930 ms
Loss rate: 0.19%
```
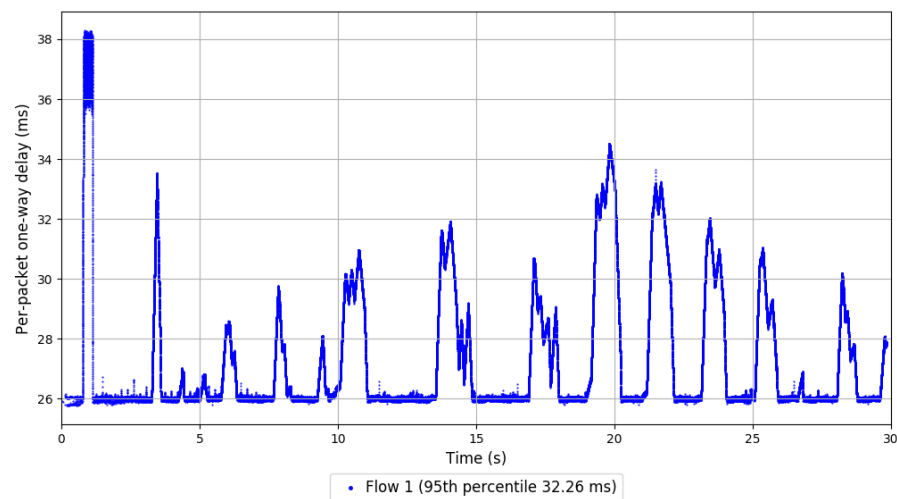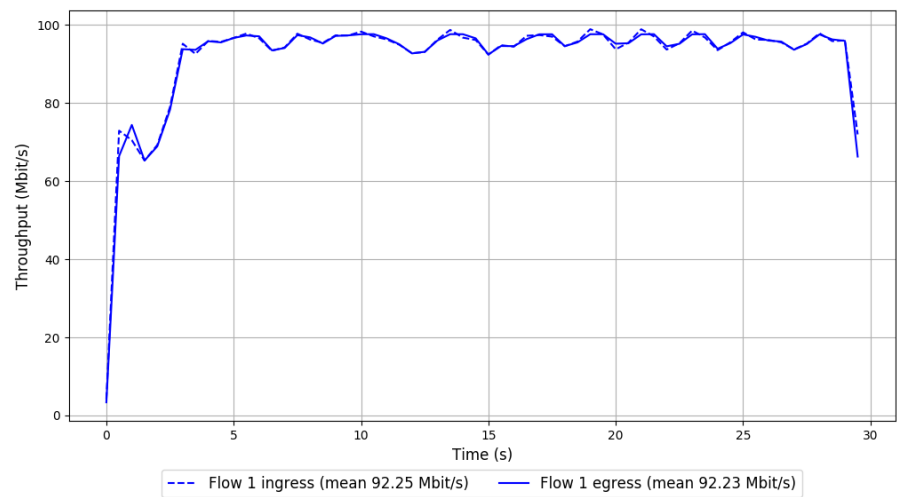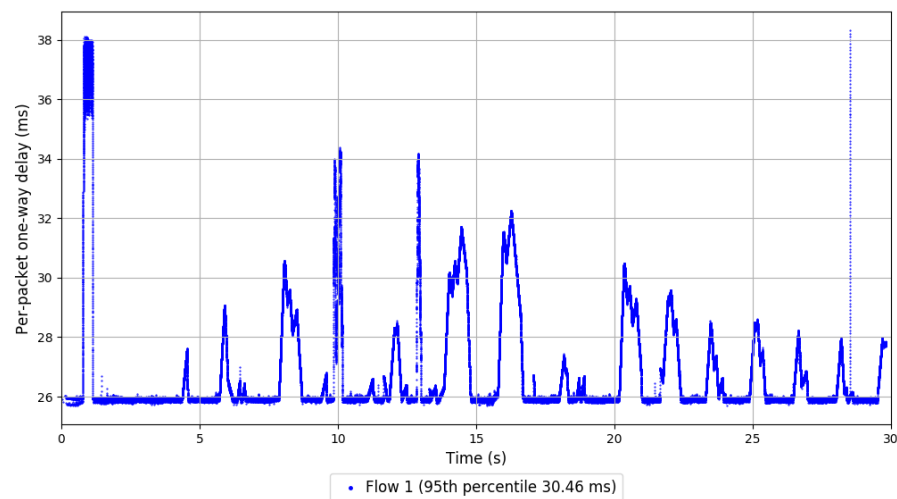
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 92.83 Mbit/s)   Flow 1 egress (mean 92.82 Mbit/s)

Flow 1 (95th percentile 27.93 ms)

71

```
Run 5: Statistics of PCC

Start at: 2017-11-30 10:14:39
End at: 2017-11-30 10:15:09
Local clock offset: -0.376 ms
Remote clock offset: 2.731 ms


# Below is generated by plot.py at 2017-11-30 15:10:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 27.012 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 90.31 Mbit/s
95th percentile per-packet one-way delay: 27.012 ms
Loss rate: 0.20%
```
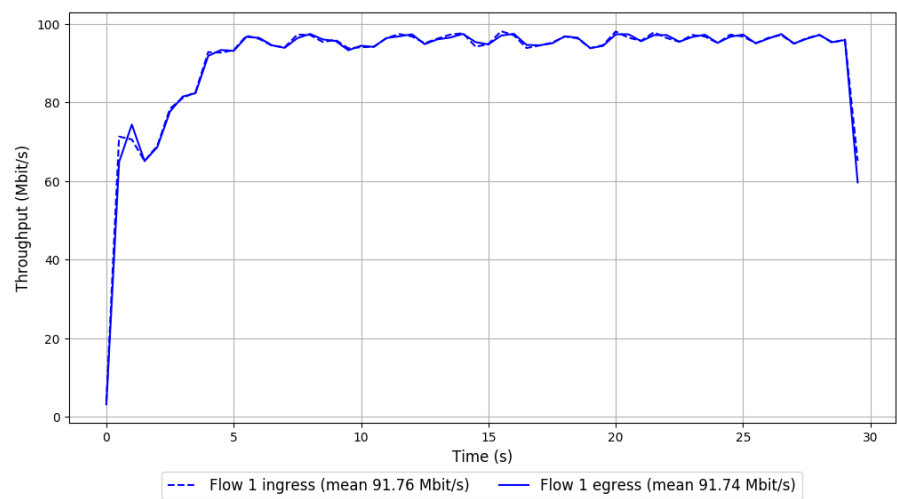
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 90.33 Mbit/s) — Flow 1 egress (mean 90.31 Mbit/s)

• Flow 1 (95th percentile 27.01 ms)

73

```
Run 6: Statistics of PCC

Start at: 2017-11-30 10:33:18
End at: 2017-11-30 10:33:48
Local clock offset: -0.345 ms
Remote clock offset: 0.345 ms


# Below is generated by plot.py at 2017-11-30 15:10:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 32.264 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 32.264 ms
Loss rate: 0.19%
```
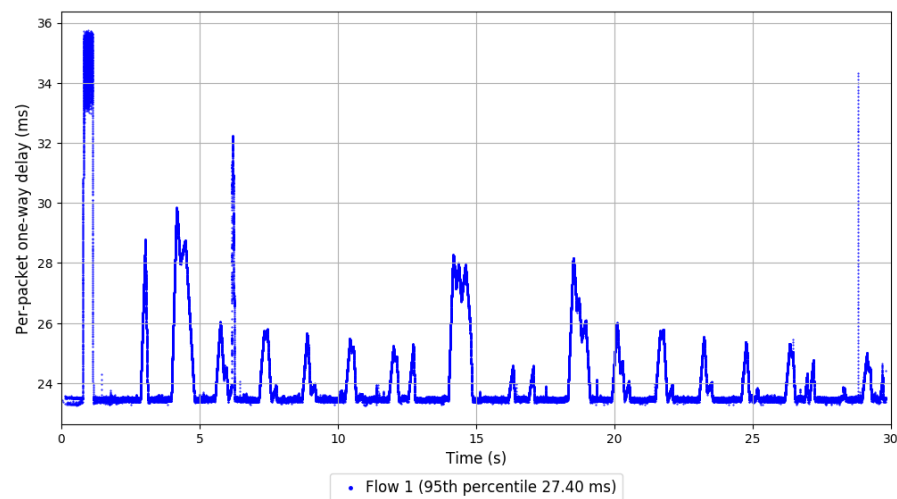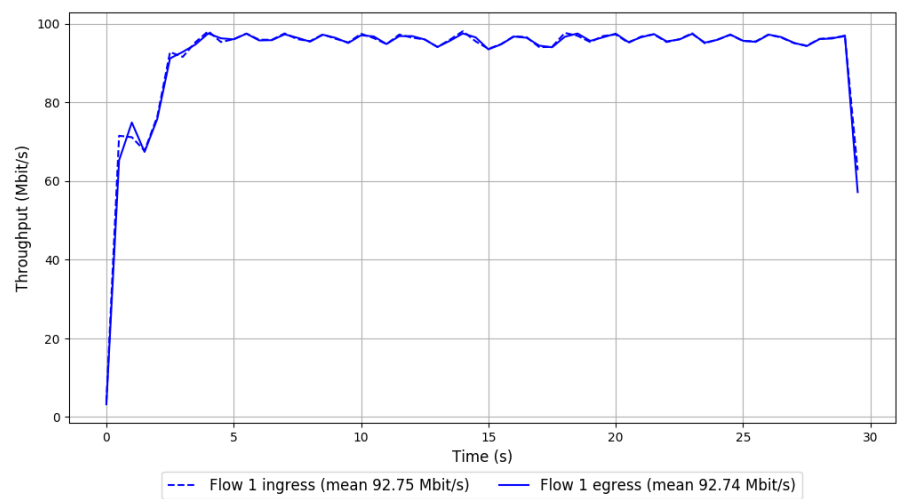
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 92.25 Mbit/s)   Flow 1 egress (mean 92.23 Mbit/s)

· Flow 1 (95th percentile 32.26 ms)

```
Run 7: Statistics of PCC

Start at: 2017-11-30 10:52:03
End at: 2017-11-30 10:52:33
Local clock offset: -0.258 ms
Remote clock offset: -0.014 ms


# Below is generated by plot.py at 2017-11-30 15:10:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 30.464 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 30.464 ms
Loss rate: 0.20%
```
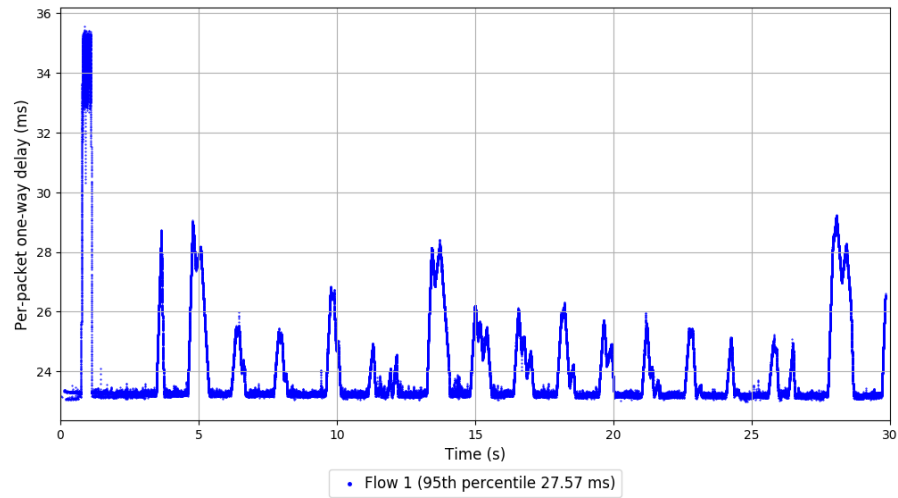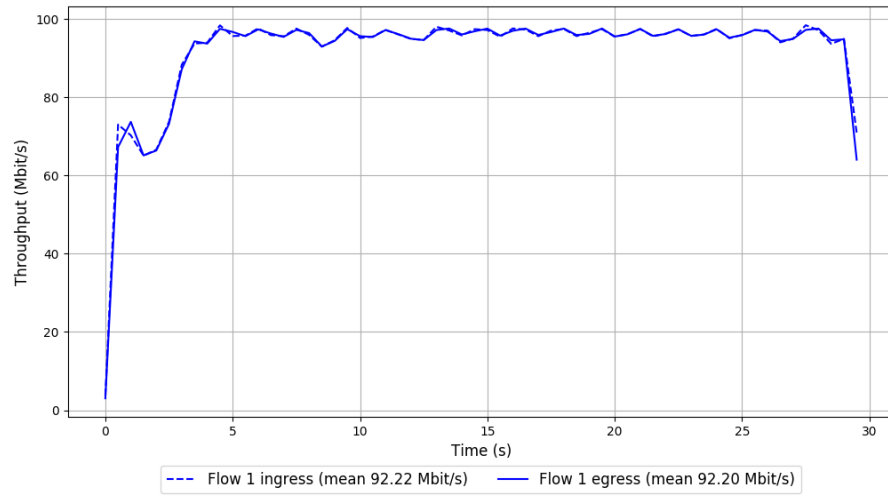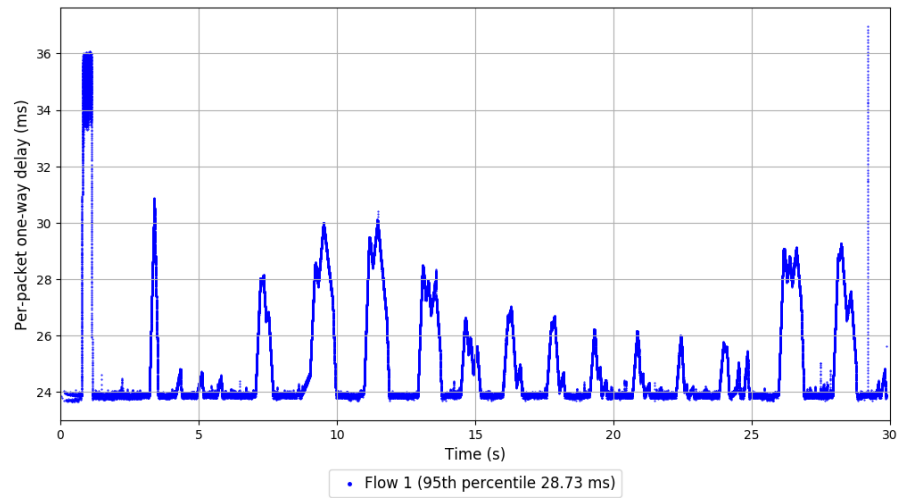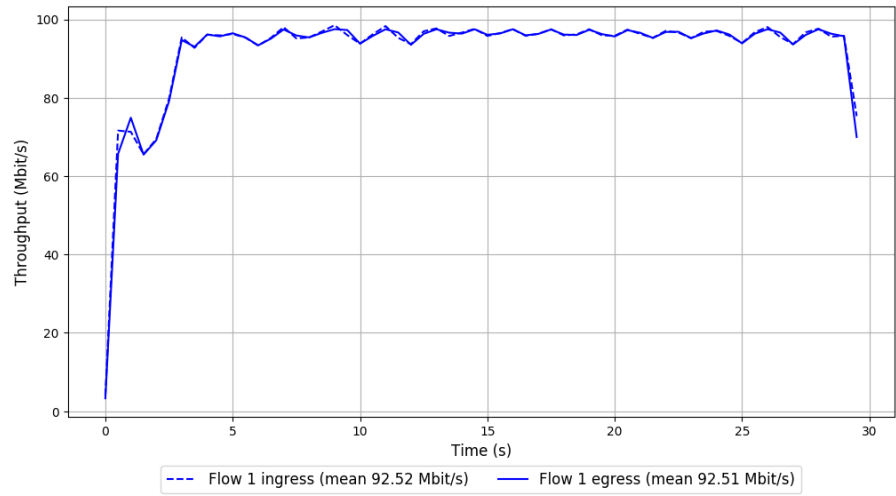
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 91.76 Mbit/s)   Flow 1 egress (mean 91.74 Mbit/s)

Flow 1 (95th percentile 30.46 ms)

```
Run 8: Statistics of PCC

Start at: 2017-11-30 11:10:45
End at: 2017-11-30 11:11:15
Local clock offset: -0.273 ms
Remote clock offset: 2.041 ms


# Below is generated by plot.py at 2017-11-30 15:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 27.400 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 92.74 Mbit/s
95th percentile per-packet one-way delay: 27.400 ms
Loss rate: 0.19%
```

Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 92.75 Mbit/s)   Flow 1 egress (mean 92.74 Mbit/s)

Flow 1 (95th percentile 27.40 ms)

```
Run 9: Statistics of PCC

Start at: 2017-11-30 11:29:20
End at: 2017-11-30 11:29:50
Local clock offset: -0.172 ms
Remote clock offset: 1.508 ms

# Below is generated by plot.py at 2017-11-30 15:10:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 27.568 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 92.20 Mbit/s
95th percentile per-packet one-way delay: 27.568 ms
Loss rate: 0.21%
```
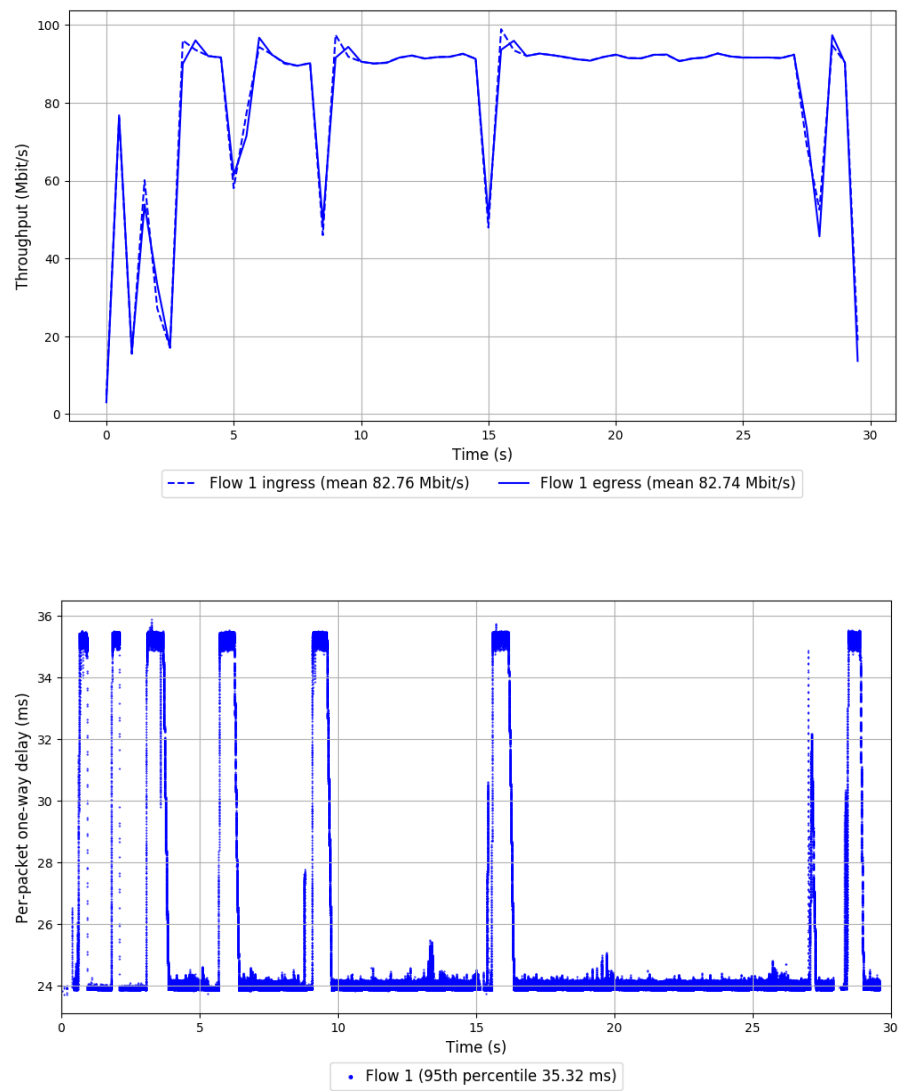
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 92.22 Mbit/s)   Flow 1 egress (mean 92.20 Mbit/s)

Flow 1 (95th percentile 27.57 ms)

```
Run 10: Statistics of PCC

Start at: 2017-11-30 11:47:59
End at: 2017-11-30 11:48:29
Local clock offset: -0.145 ms
Remote clock offset: -0.368 ms


# Below is generated by plot.py at 2017-11-30 15:10:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 28.733 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 92.51 Mbit/s
95th percentile per-packet one-way delay: 28.733 ms
Loss rate: 0.18%
```
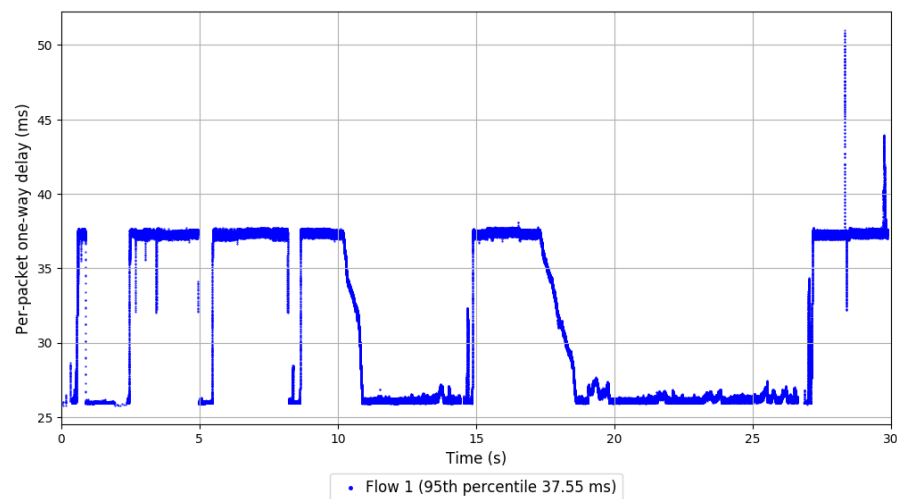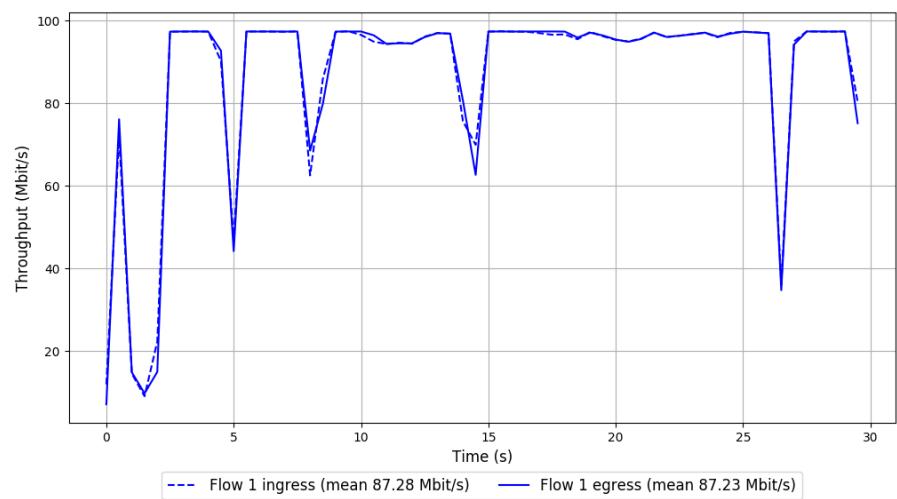
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 92.52 Mbit/s)   Flow 1 egress (mean 92.51 Mbit/s)

Flow 1 (95th percentile 28.73 ms)

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-11-30 08:47:54
End at: 2017-11-30 08:48:24
Local clock offset: -1.184 ms
Remote clock offset: -0.544 ms


# Below is generated by plot.py at 2017-11-30 15:11:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.74 Mbit/s
95th percentile per-packet one-way delay: 35.324 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 82.74 Mbit/s
95th percentile per-packet one-way delay: 35.324 ms
Loss rate: 0.20%
```
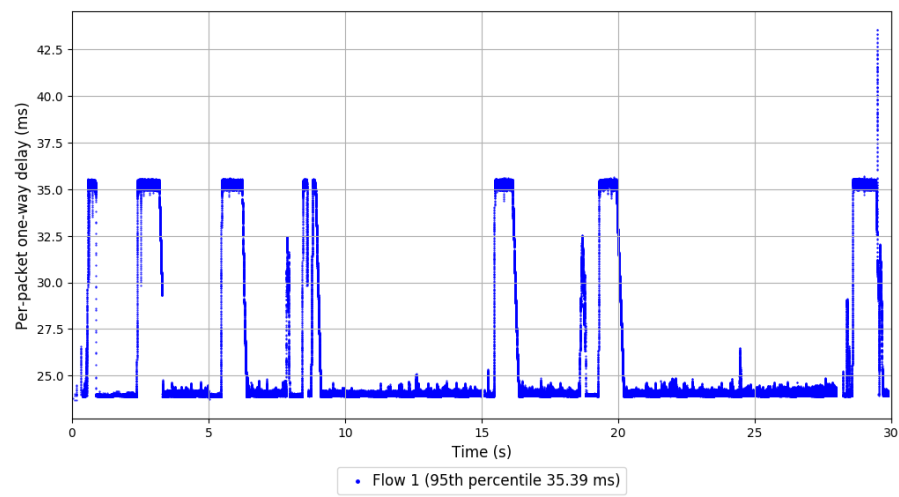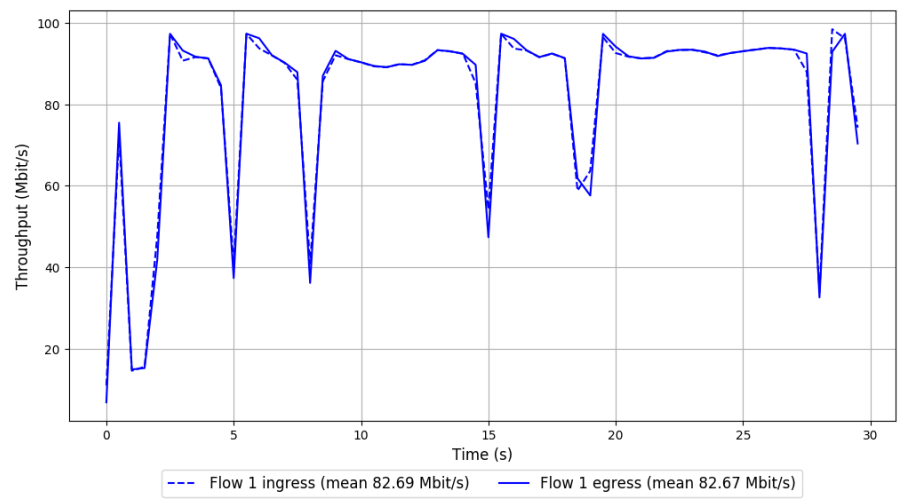
Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2017-11-30 09:06:36
End at: 2017-11-30 09:07:07
Local clock offset: -1.0 ms
Remote clock offset: -2.032 ms

# Below is generated by plot.py at 2017-11-30 15:11:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 37.555 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 37.555 ms
Loss rate: 0.24%
```
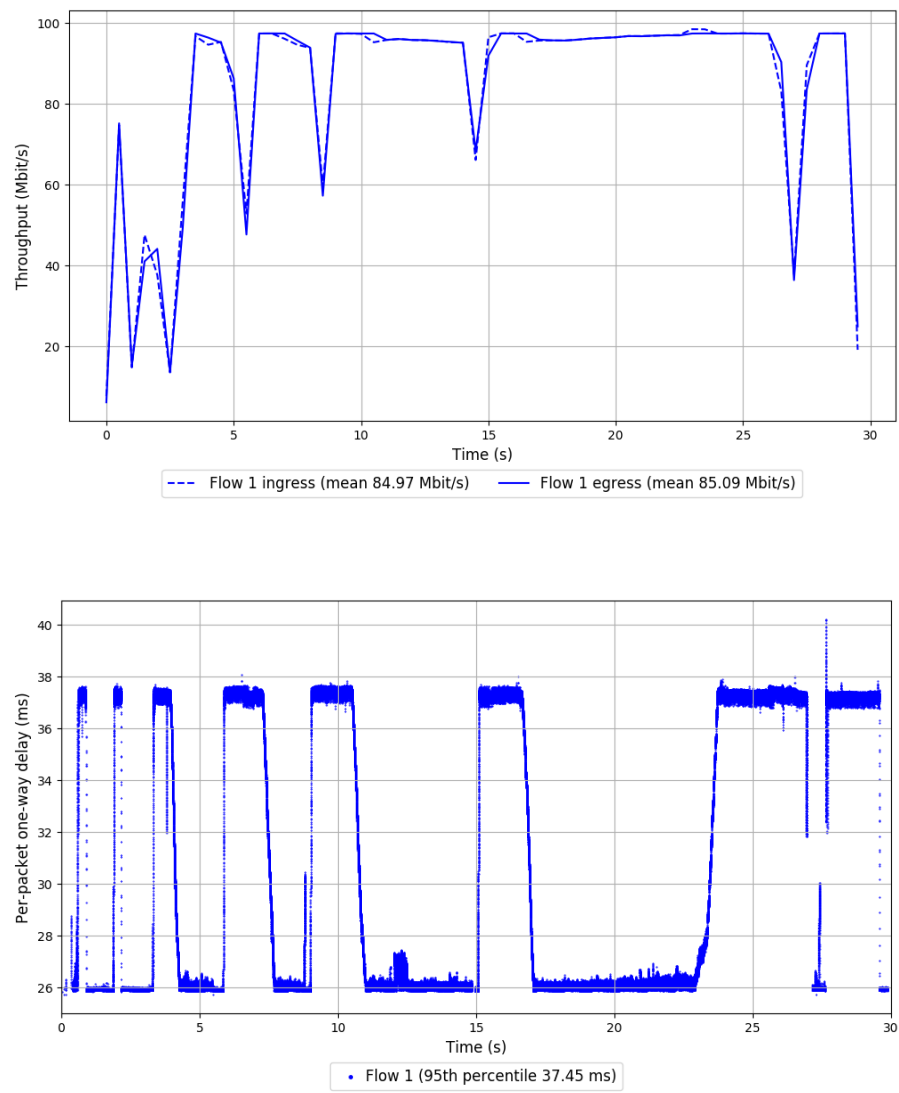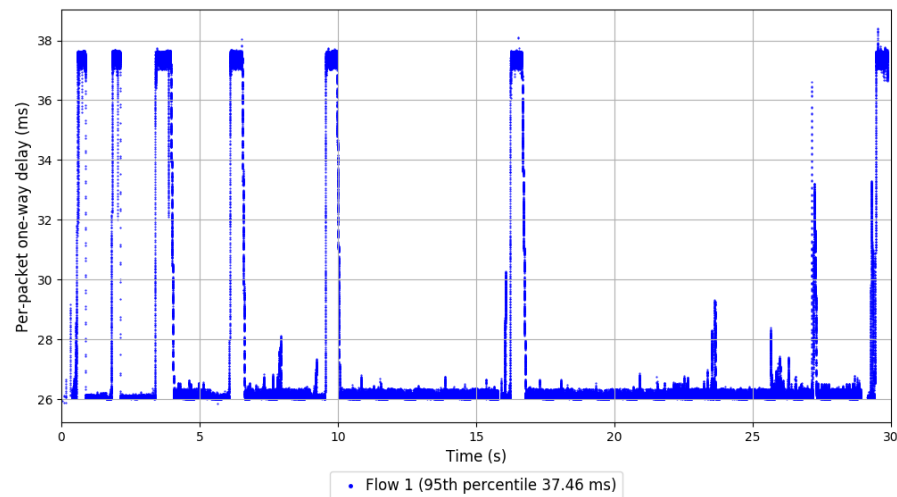
Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2017-11-30 09:25:23
End at: 2017-11-30 09:25:53
Local clock offset: -0.654 ms
Remote clock offset: 0.943 ms


# Below is generated by plot.py at 2017-11-30 15:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 35.389 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 82.67 Mbit/s
95th percentile per-packet one-way delay: 35.389 ms
Loss rate: 0.21%
```
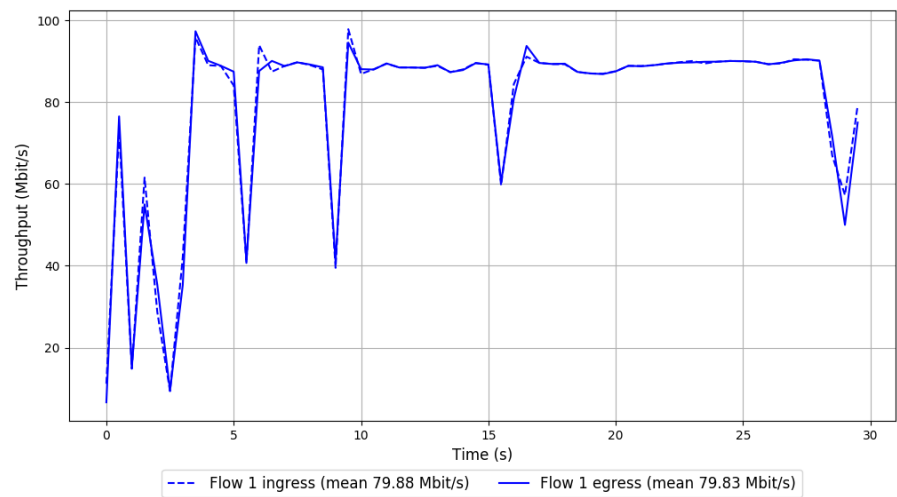
Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-11-30 09:43:58
End at: 2017-11-30 09:44:28
Local clock offset: -0.566 ms
Remote clock offset: -0.437 ms


# Below is generated by plot.py at 2017-11-30 15:11:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.09 Mbit/s
95th percentile per-packet one-way delay: 37.453 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 85.09 Mbit/s
95th percentile per-packet one-way delay: 37.453 ms
Loss rate: 0.03%
```
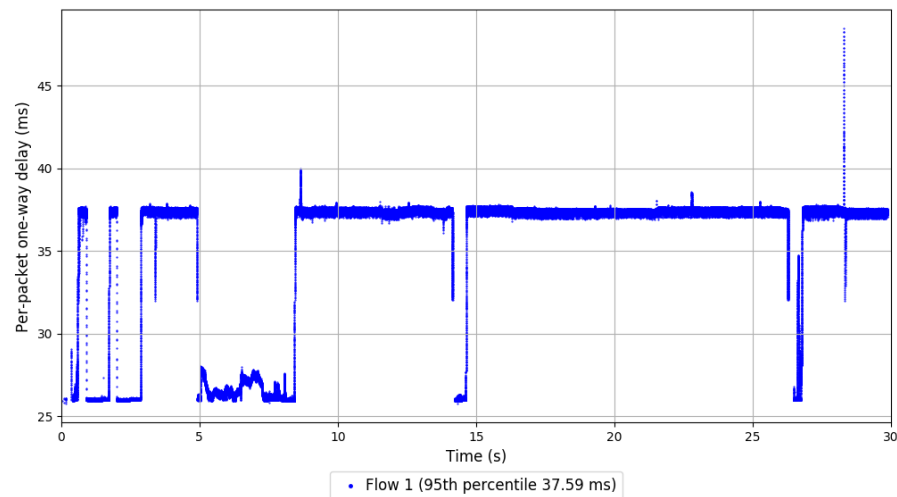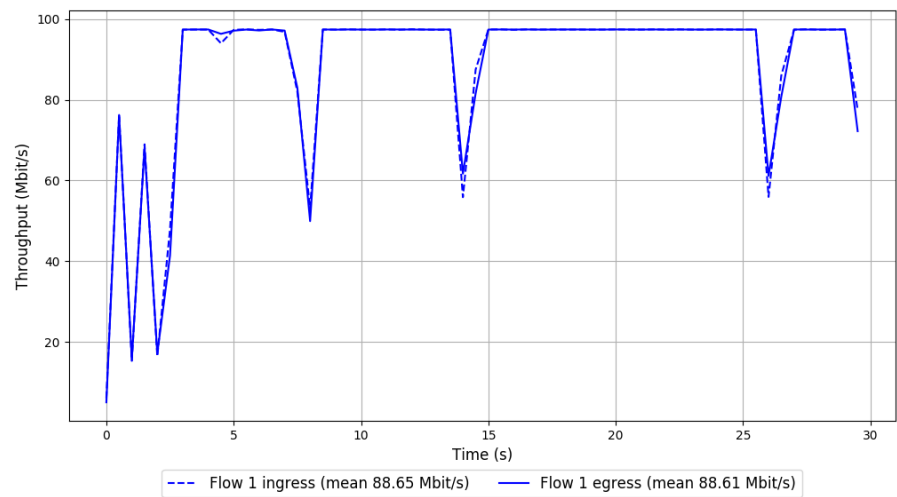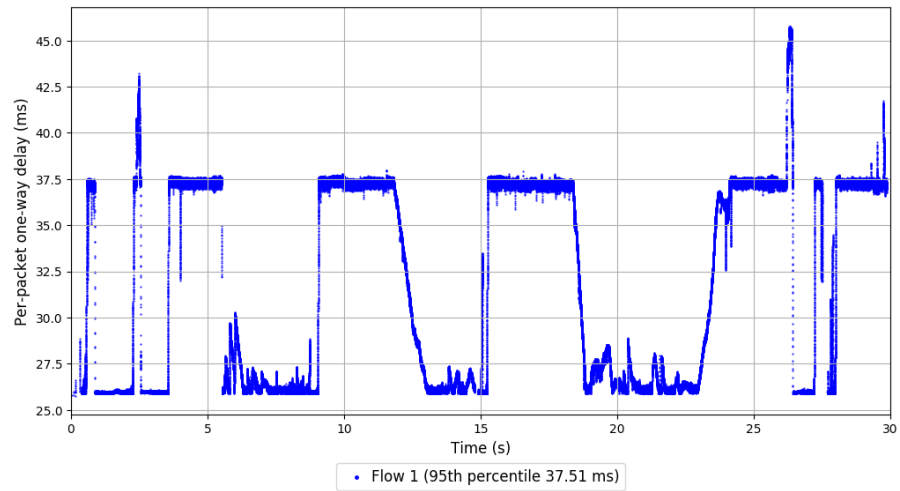
Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 84.97 Mbit/s)   Flow 1 egress (mean 85.09 Mbit/s)

Flow 1 (95th percentile 37.45 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2017-11-30 10:02:37
End at: 2017-11-30 10:03:07
Local clock offset: -0.368 ms
Remote clock offset: 0.14 ms


# Below is generated by plot.py at 2017-11-30 15:11:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.83 Mbit/s
95th percentile per-packet one-way delay: 37.462 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 79.83 Mbit/s
95th percentile per-packet one-way delay: 37.462 ms
Loss rate: 0.24%
```
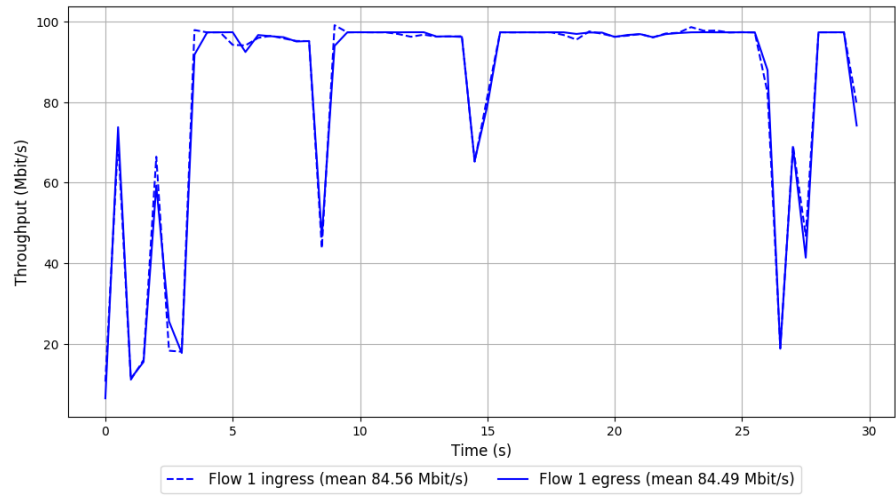
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 79.88 Mbit/s) --- Flow 1 egress (mean 79.83 Mbit/s)

Flow 1 (95th percentile 37.46 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2017-11-30 10:21:19
End at: 2017-11-30 10:21:49
Local clock offset: -0.376 ms
Remote clock offset: 0.319 ms

# Below is generated by plot.py at 2017-11-30 15:12:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 37.593 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 88.61 Mbit/s
95th percentile per-packet one-way delay: 37.593 ms
Loss rate: 0.24%
```
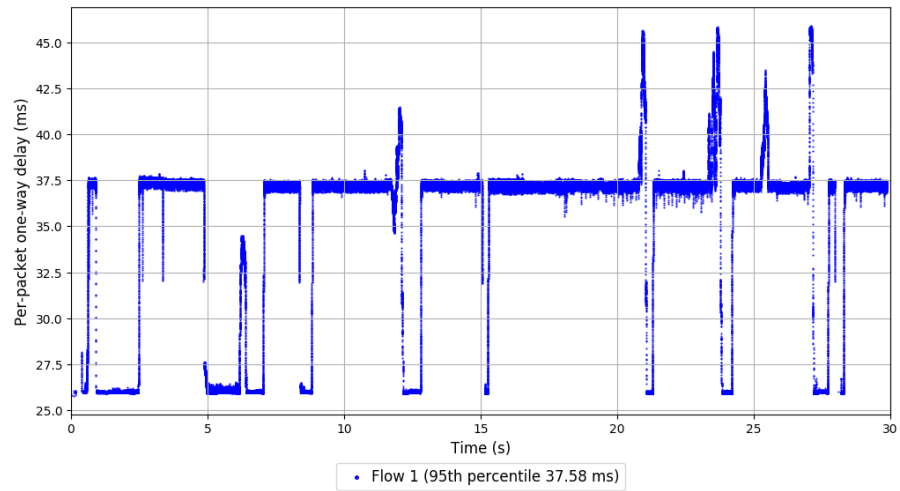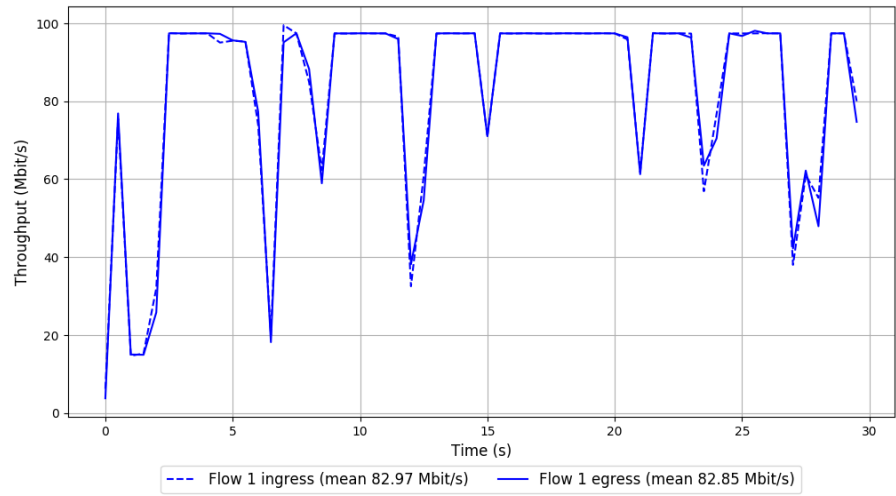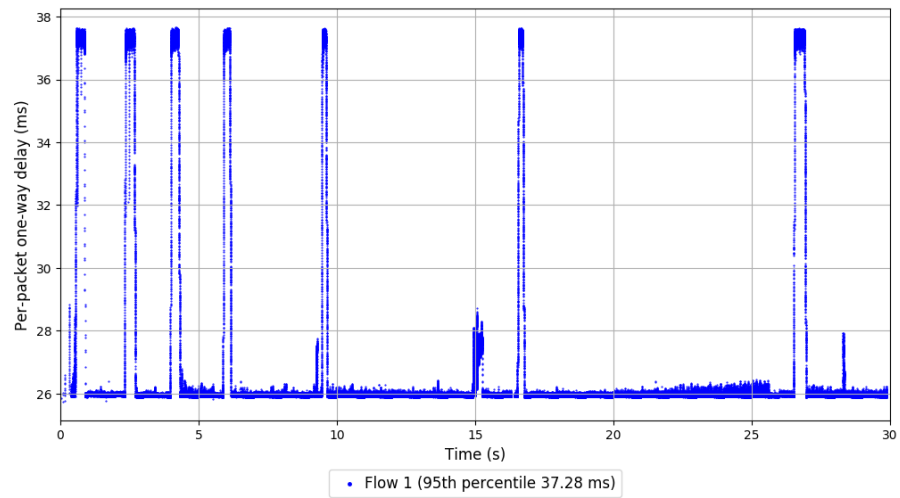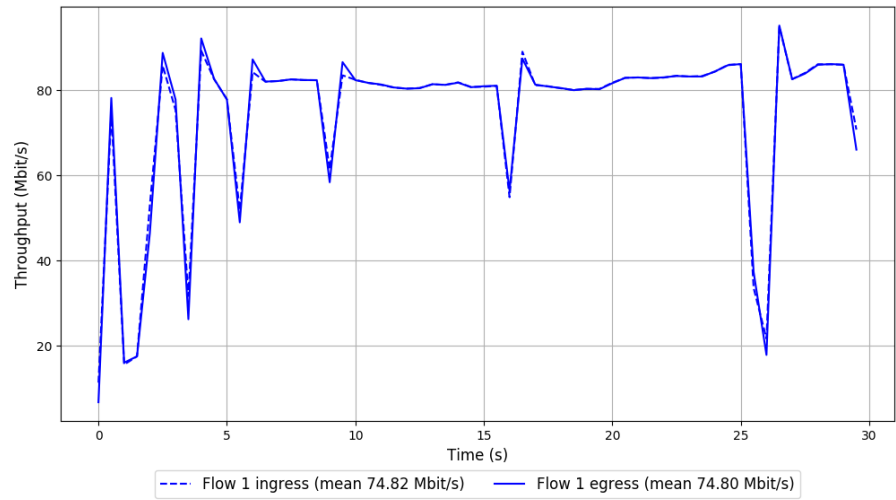
Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 88.65 Mbit/s) --- Flow 1 egress (mean 88.61 Mbit/s)

Flow 1 (95th percentile 37.59 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-11-30 10:39:57
End at: 2017-11-30 10:40:27
Local clock offset: -0.387 ms
Remote clock offset: 0.376 ms


# Below is generated by plot.py at 2017-11-30 15:12:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.49 Mbit/s
95th percentile per-packet one-way delay: 37.510 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 84.49 Mbit/s
95th percentile per-packet one-way delay: 37.510 ms
Loss rate: 0.26%
```

Run 7: Report of QUIC Cubic — Data Link

97

```
Run 8: Statistics of QUIC Cubic

Start at: 2017-11-30 10:58:43
End at: 2017-11-30 10:59:13
Local clock offset: -0.331 ms
Remote clock offset: -0.339 ms


# Below is generated by plot.py at 2017-11-30 15:12:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.85 Mbit/s
95th percentile per-packet one-way delay: 37.576 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 82.85 Mbit/s
95th percentile per-packet one-way delay: 37.576 ms
Loss rate: 0.34%
```
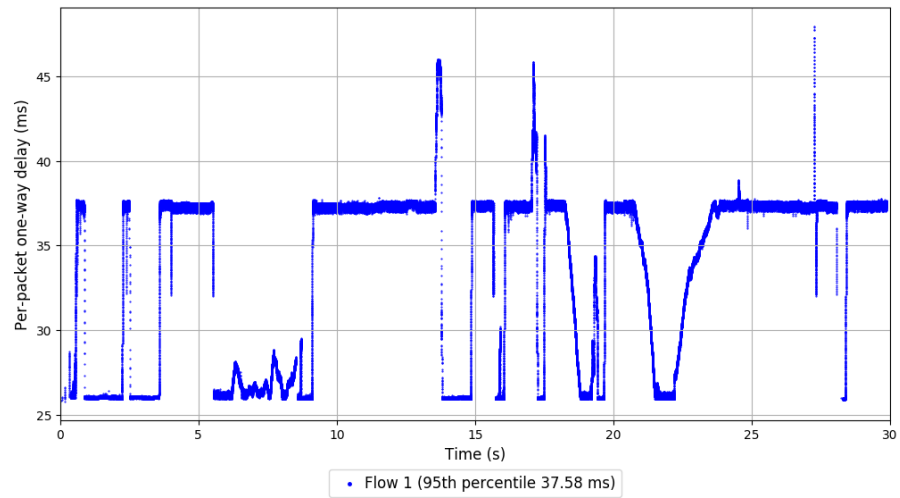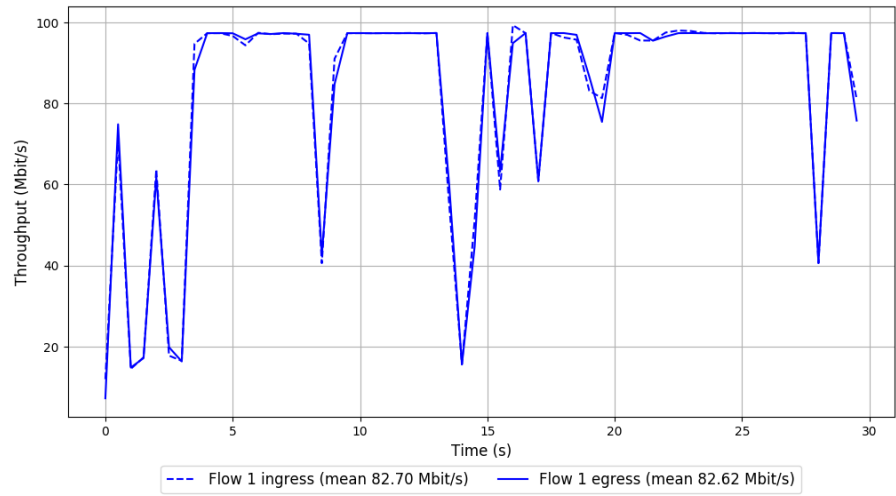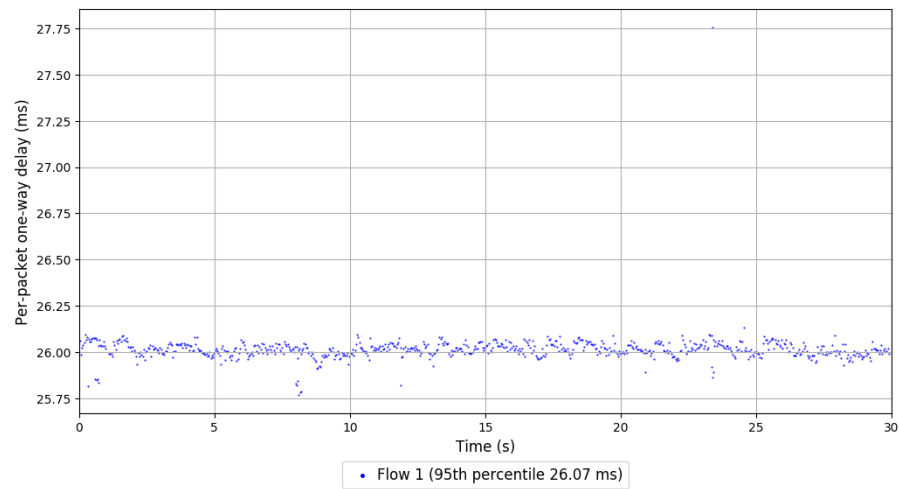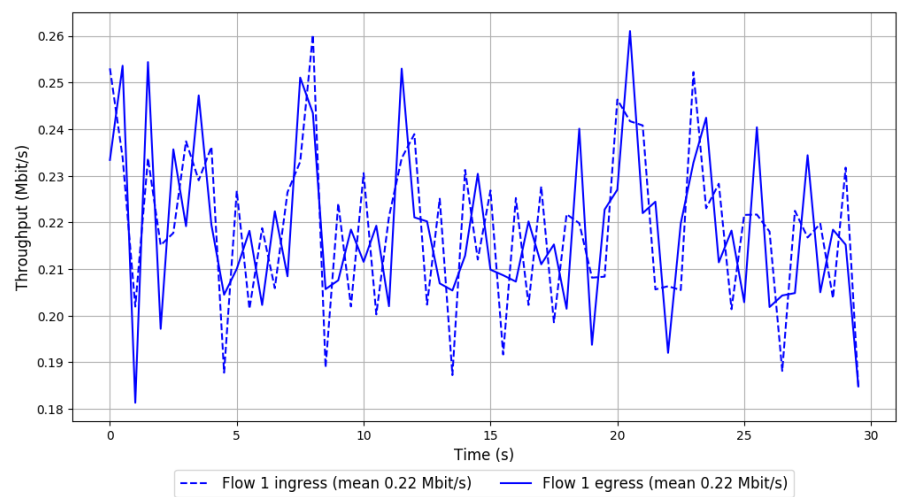
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 82.97 Mbit/s)   Flow 1 egress (mean 82.85 Mbit/s)

Flow 1 (95th percentile 37.58 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-11-30 11:17:22
End at: 2017-11-30 11:17:52
Local clock offset: -0.174 ms
Remote clock offset: -0.356 ms


# Below is generated by plot.py at 2017-11-30 15:12:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.80 Mbit/s
95th percentile per-packet one-way delay: 37.278 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 74.80 Mbit/s
95th percentile per-packet one-way delay: 37.278 ms
Loss rate: 0.21%
```

Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 74.82 Mbit/s) ----- Flow 1 egress (mean 74.80 Mbit/s)

• Flow 1 (95th percentile 37.28 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-11-30 11:35:58
End at: 2017-11-30 11:36:28
Local clock offset: -0.07 ms
Remote clock offset: -1.829 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.62 Mbit/s
95th percentile per-packet one-way delay: 37.582 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 82.62 Mbit/s
95th percentile per-packet one-way delay: 37.582 ms
Loss rate: 0.29%
```
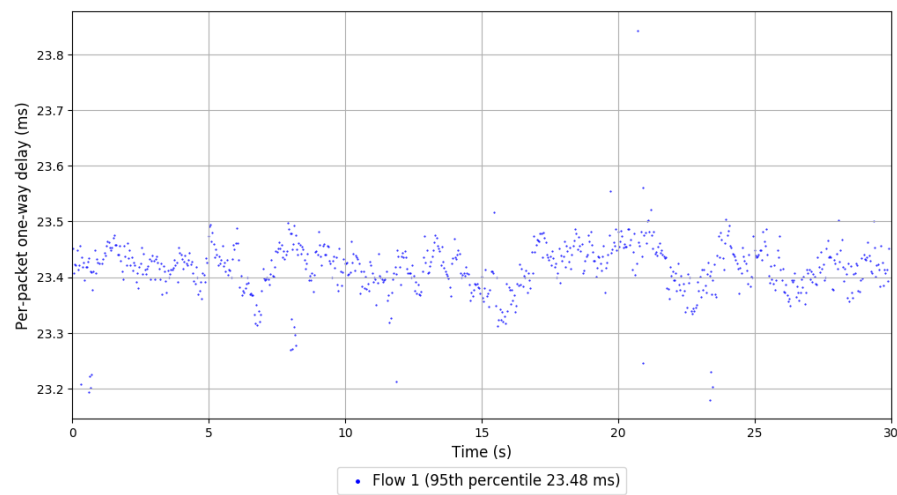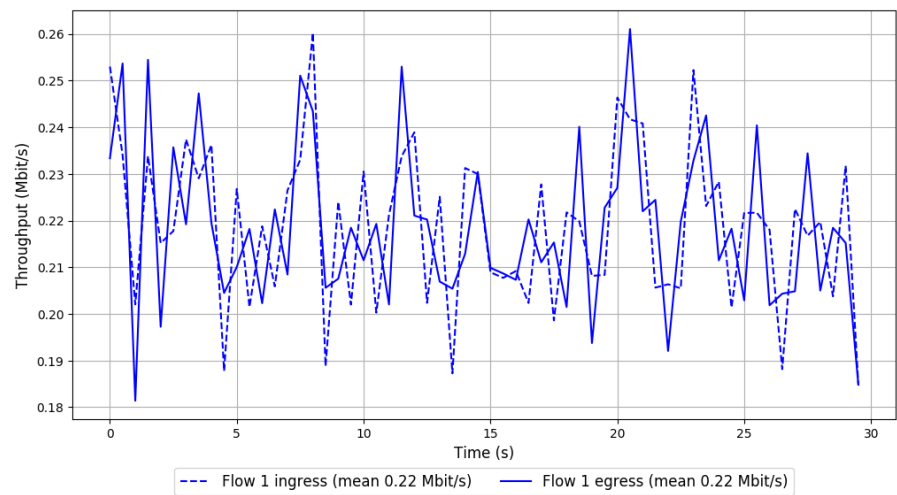
Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 82.70 Mbit/s)　Flow 1 egress (mean 82.62 Mbit/s)

Flow 1 (95th percentile 37.58 ms)

```
Run 1: Statistics of SCReAM

Start at: 2017-11-30 08:58:41
End at: 2017-11-30 08:59:11
Local clock offset: -1.074 ms
Remote clock offset: -2.223 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.070 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.070 ms
Loss rate: 0.13%
```
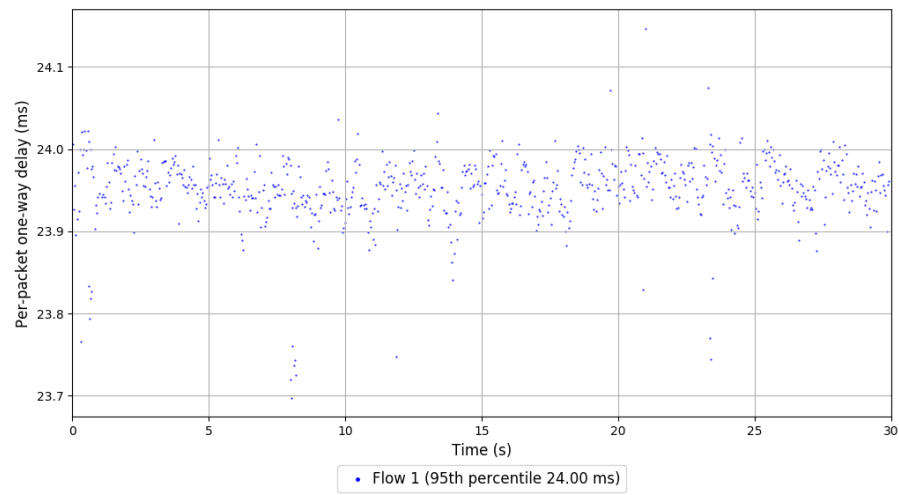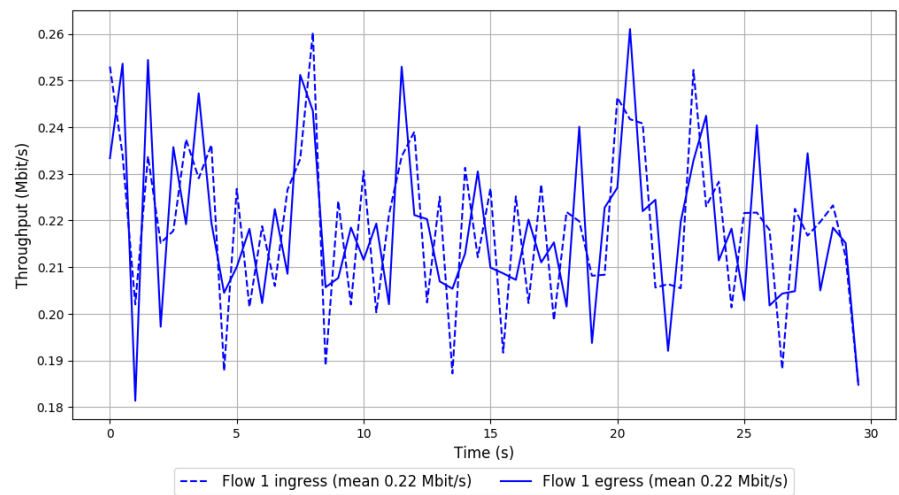
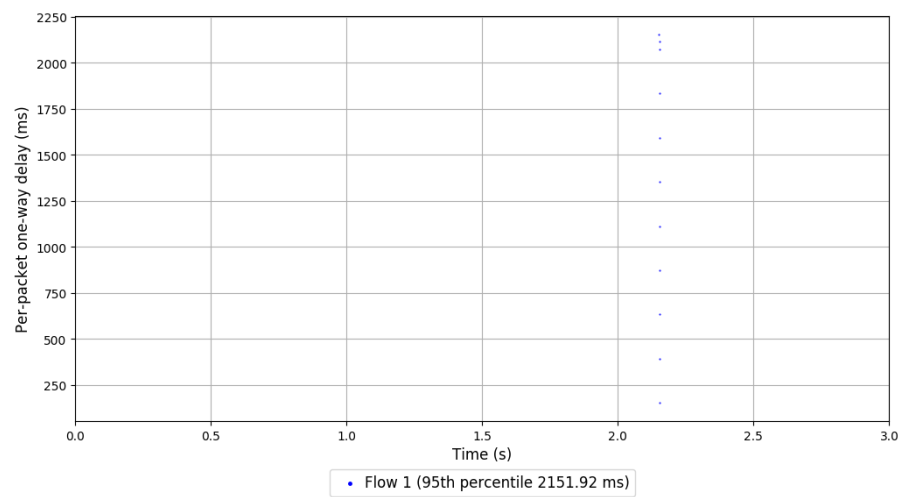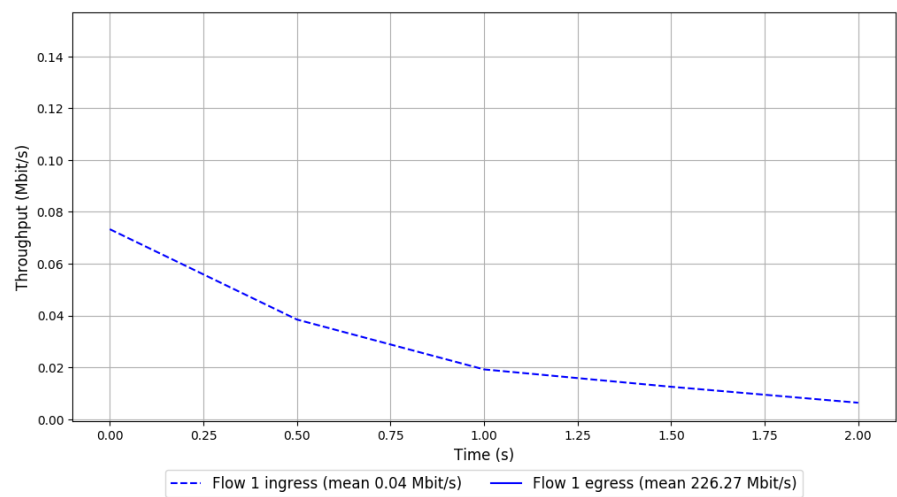## Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2017-11-30 09:17:26
End at: 2017-11-30 09:17:56
Local clock offset: -0.808 ms
Remote clock offset: 1.128 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.478 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.478 ms
Loss rate: 0.13%
```
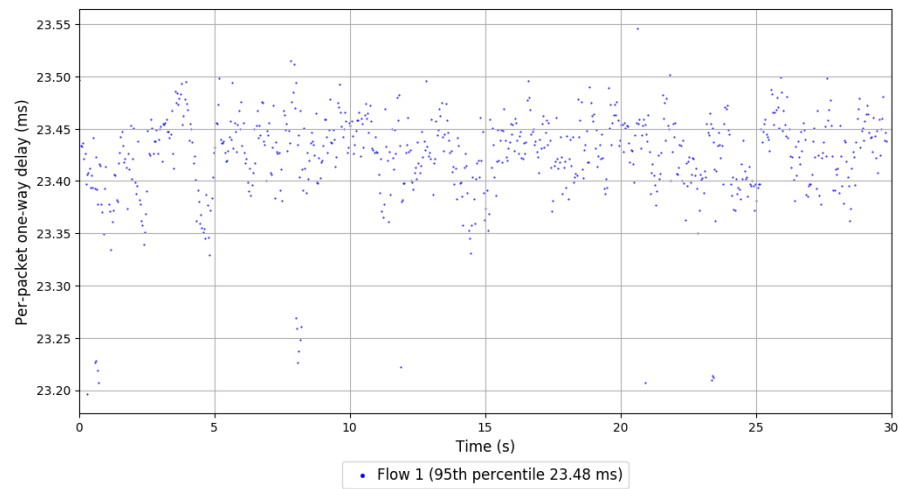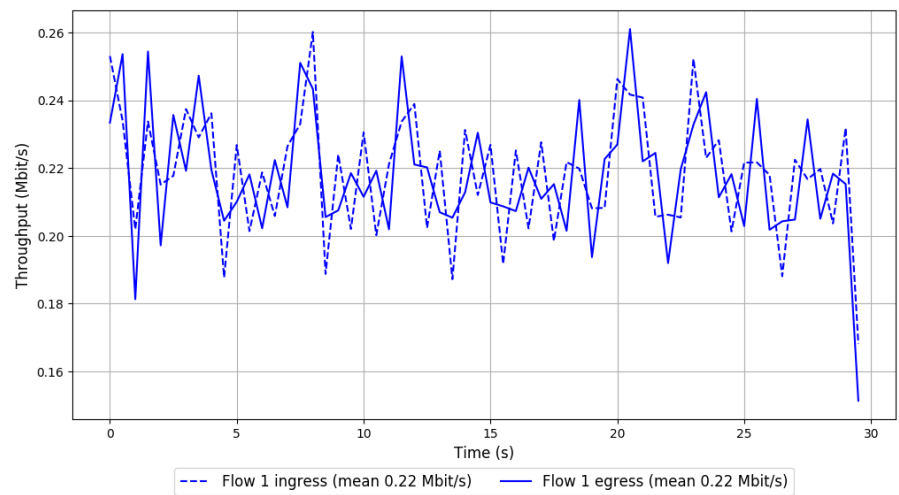
Run 2: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.22 Mbit/s) —— Flow 1 egress (mean 0.22 Mbit/s)

• Flow 1 (95th percentile 23.48 ms)

```
Run 3: Statistics of SCReAM

Start at: 2017-11-30 09:36:05
End at: 2017-11-30 09:36:35
Local clock offset: -0.613 ms
Remote clock offset: 1.419 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.001 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.001 ms
Loss rate: 0.13%
```

Run 3: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.22 Mbit/s)   Flow 1 egress (mean 0.22 Mbit/s)

Flow 1 (95th percentile 24.00 ms)

```
Run 4: Statistics of SCReAM

Start at: 2017-11-30 09:54:43
End at: 2017-11-30 09:55:13
Local clock offset: -0.518 ms
Remote clock offset: 1.983 ms
```

Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2017-11-30 10:13:23
End at: 2017-11-30 10:13:53
Local clock offset: -0.454 ms
Remote clock offset: 2.819 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.477 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.477 ms
Loss rate: 0.25%
```
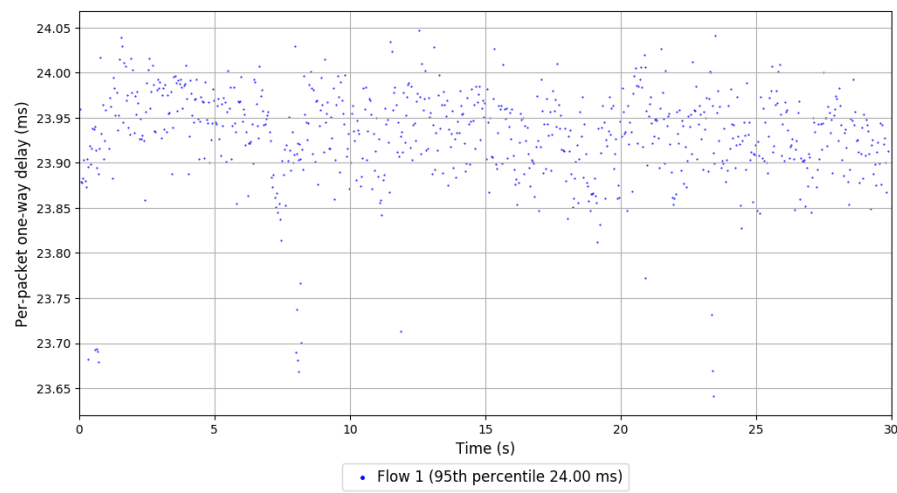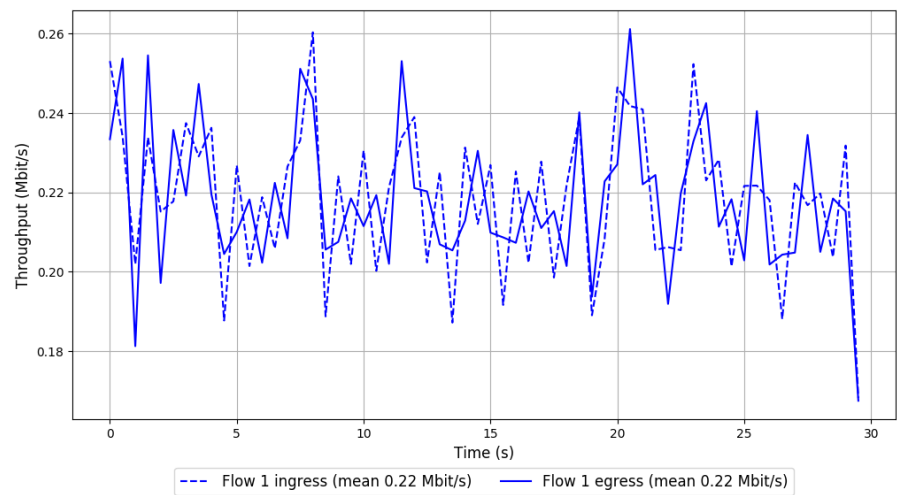
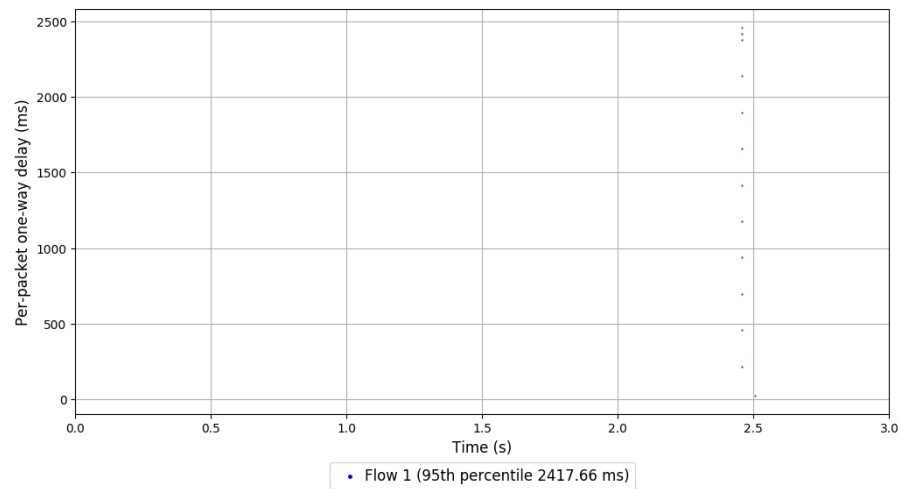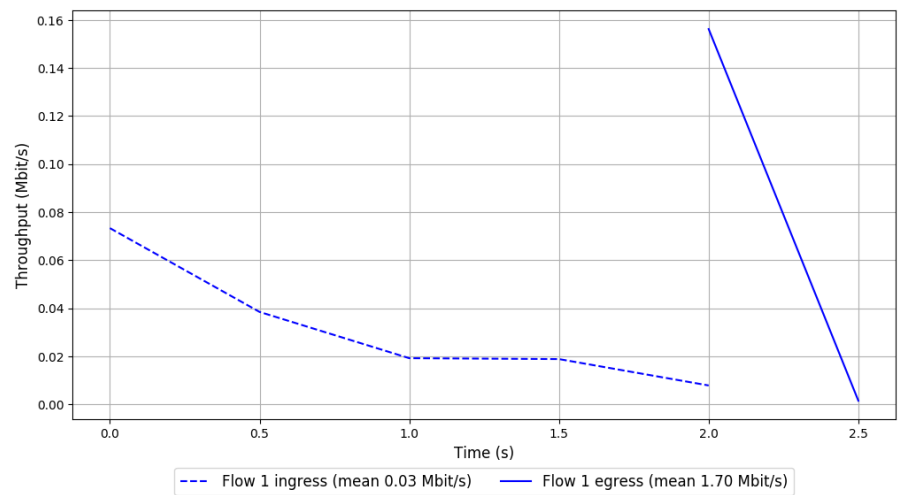## Run 5: Report of SCReAM — Data Link

Run 6: Statistics of SCReAM

Start at: 2017-11-30 10:32:02
End at: 2017-11-30 10:32:32
Local clock offset: -0.429 ms
Remote clock offset: 2.359 ms

Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2017-11-30 10:50:47
End at: 2017-11-30 10:51:17
Local clock offset: -0.282 ms
Remote clock offset: 2.114 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.000 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.000 ms
Loss rate: 0.13%
```
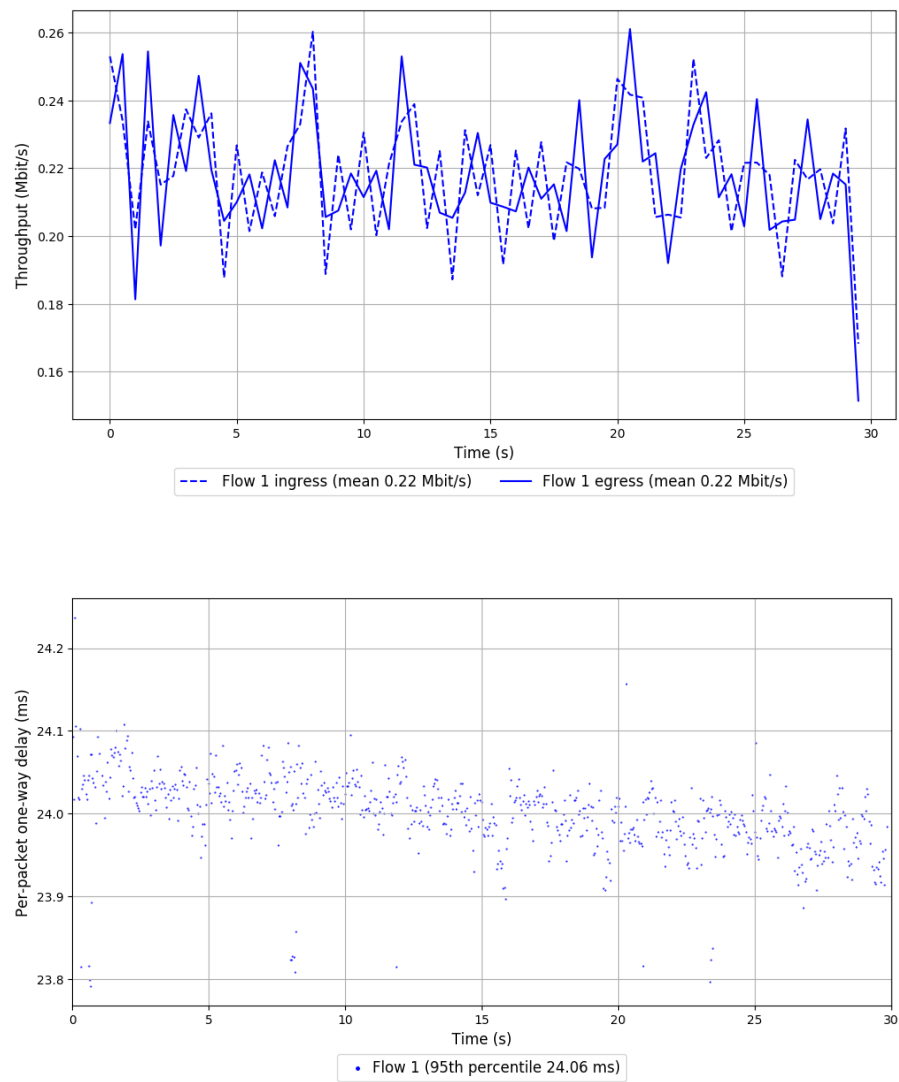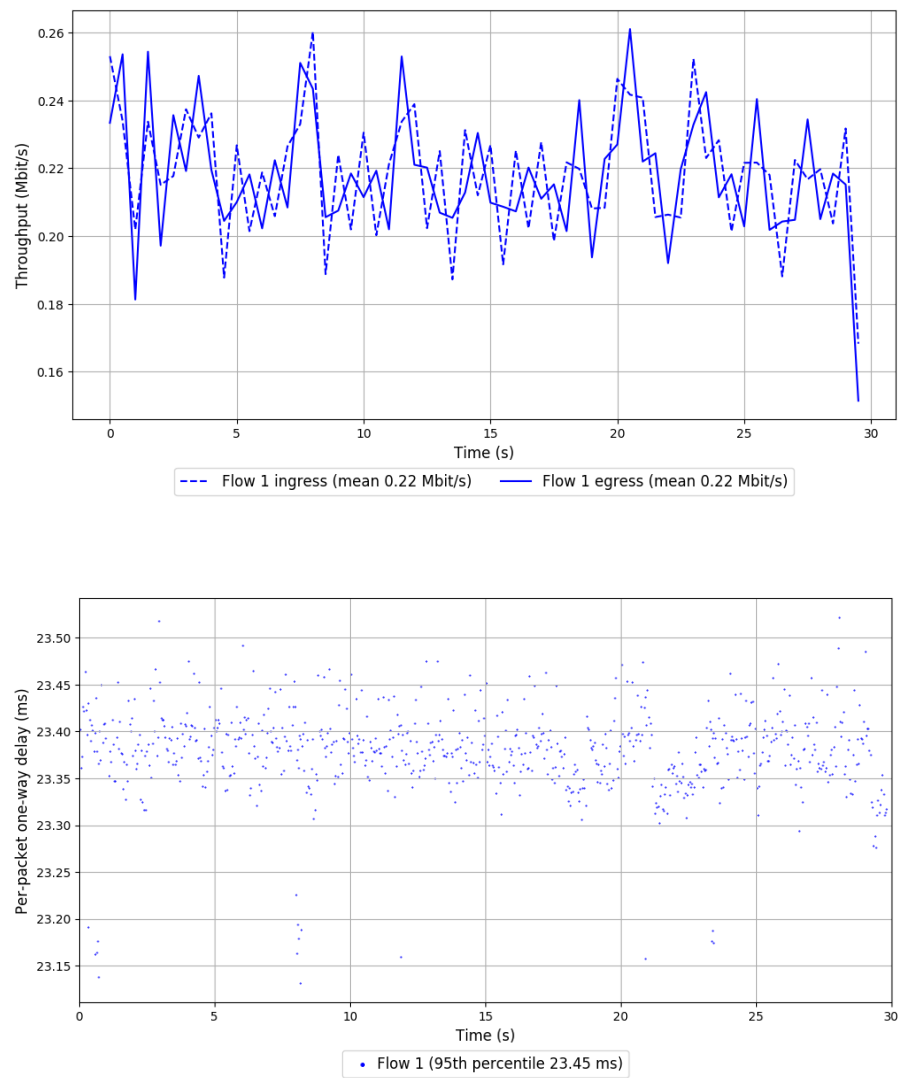
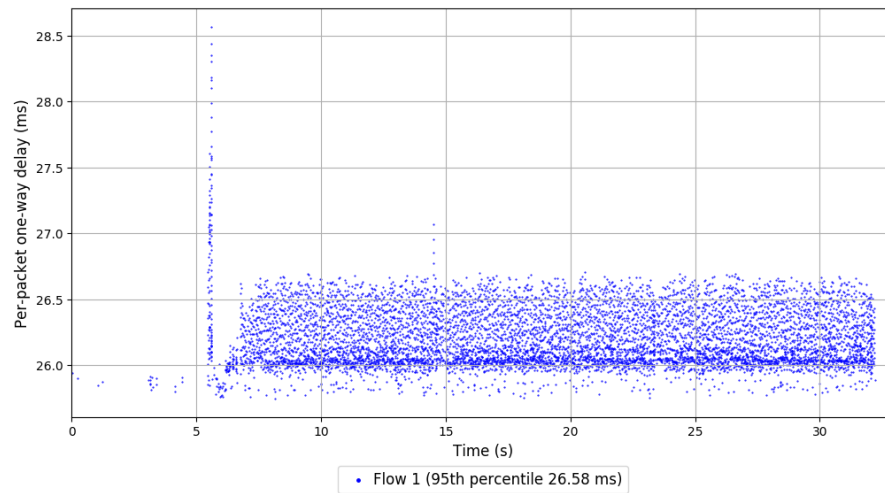Run 7: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.22 Mbit/s) ----   Flow 1 egress (mean 0.22 Mbit/s) ——

Flow 1 (95th percentile 24.00 ms)

117

```
Run 8: Statistics of SCReAM

Start at: 2017-11-30 11:09:29
End at: 2017-11-30 11:09:59
Local clock offset: -0.179 ms
Remote clock offset: 1.585 ms
```

Run 8: Report of SCReAM — Data Link

119

```
Run 9: Statistics of SCReAM

Start at: 2017-11-30 11:28:04
End at: 2017-11-30 11:28:35
Local clock offset: -0.106 ms
Remote clock offset: 1.09 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.063 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 24.063 ms
Loss rate: 0.25%
```
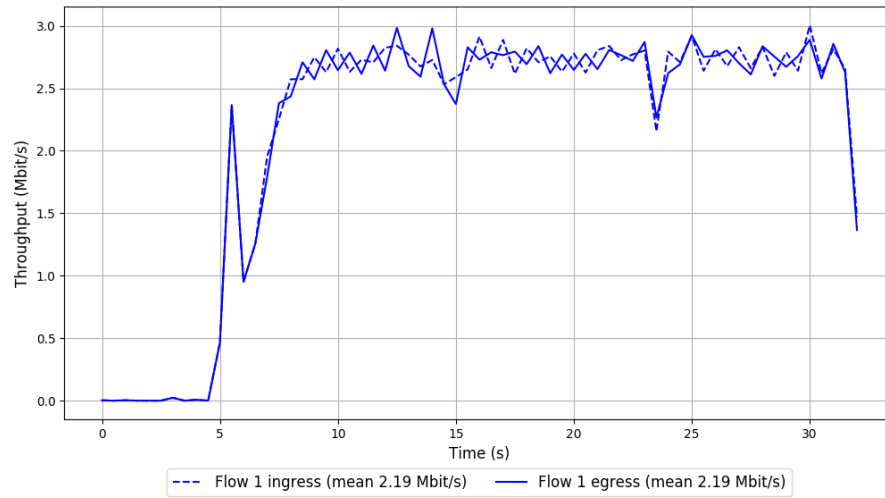
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2017-11-30 11:46:43
End at: 2017-11-30 11:47:13
Local clock offset: -0.136 ms
Remote clock offset: 0.204 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.448 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.448 ms
Loss rate: 0.25%
```
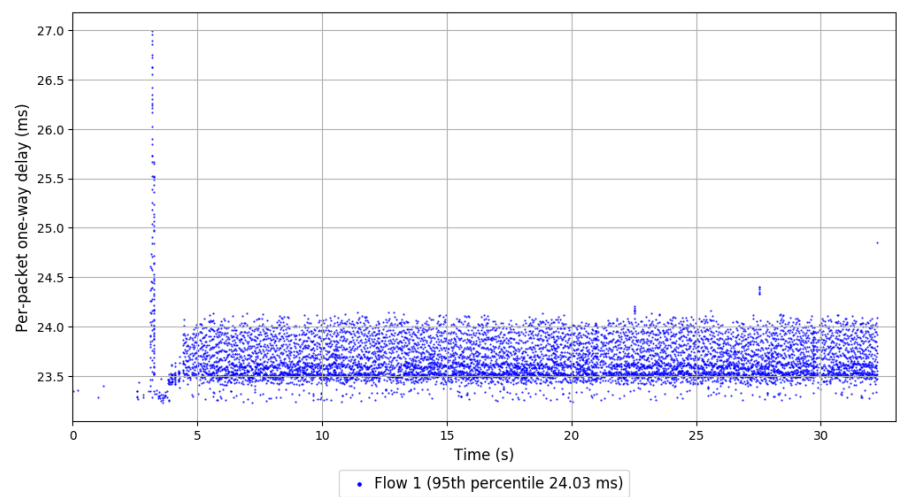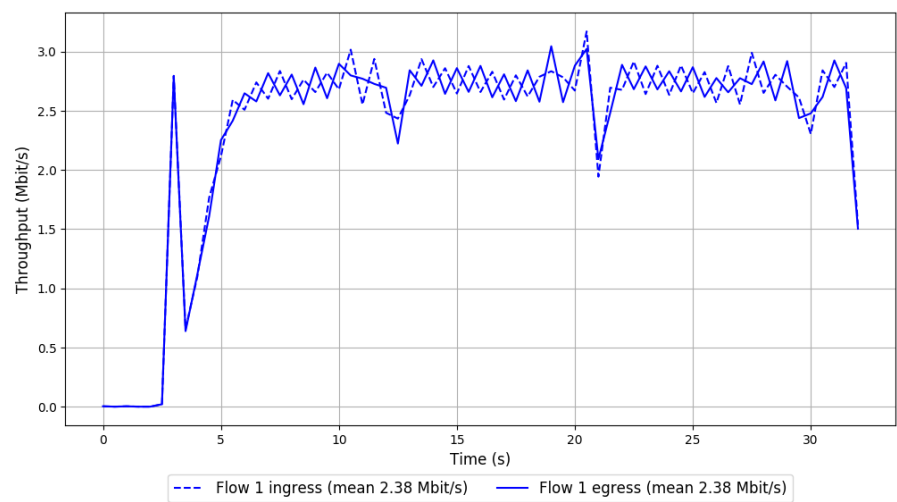
Run 10: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.22 Mbit/s)   Flow 1 egress (mean 0.22 Mbit/s)
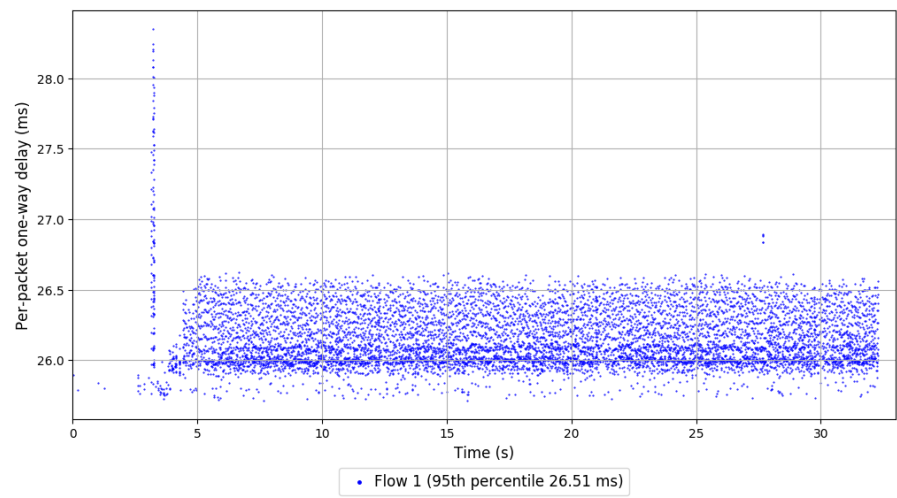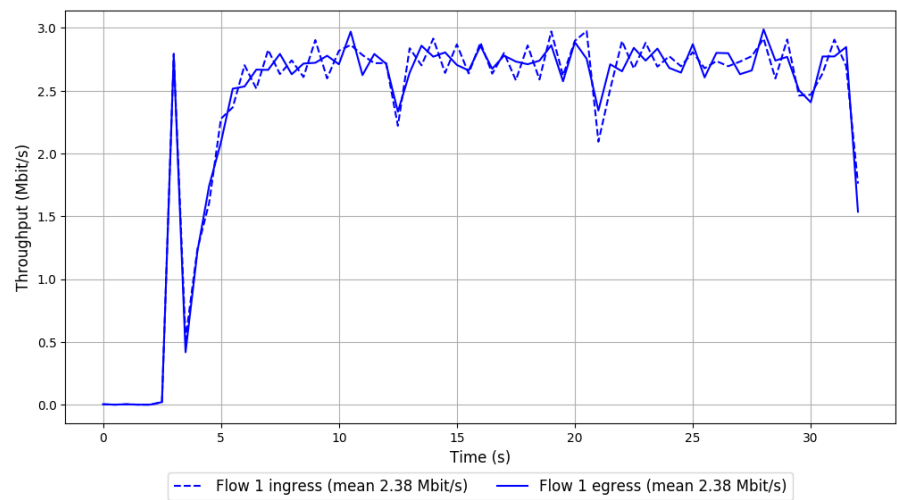

Flow 1 (95th percentile 23.45 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2017-11-30 09:02:39
End at: 2017-11-30 09:03:09
Local clock offset: -1.094 ms
Remote clock offset: -2.218 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 26.576 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 2.19 Mbit/s
95th percentile per-packet one-way delay: 26.576 ms
Loss rate: 0.21%
```

Run 1: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.19 Mbit/s) — Flow 1 egress (mean 2.19 Mbit/s)

Flow 1 (95th percentile 26.58 ms)

```
Run 2: Statistics of WebRTC media

Start at: 2017-11-30 09:21:25
End at: 2017-11-30 09:21:55
Local clock offset: -0.669 ms
Remote clock offset: 1.22 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.029 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.029 ms
Loss rate: 0.16%
```
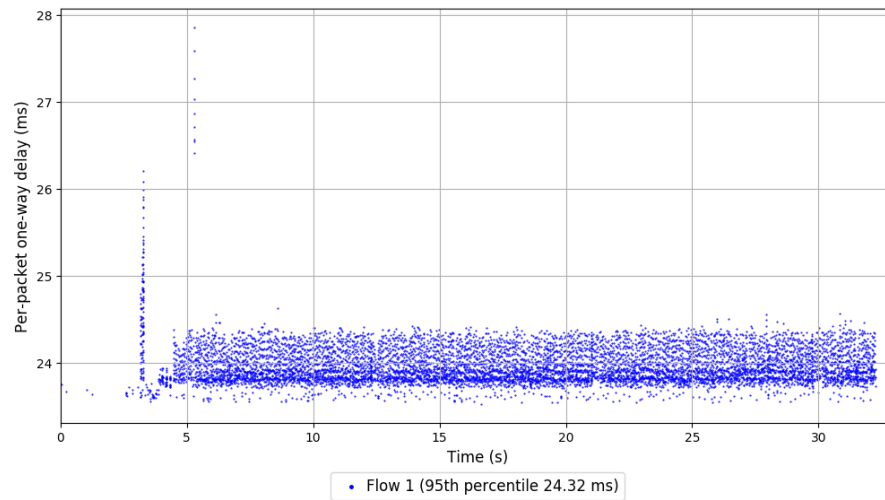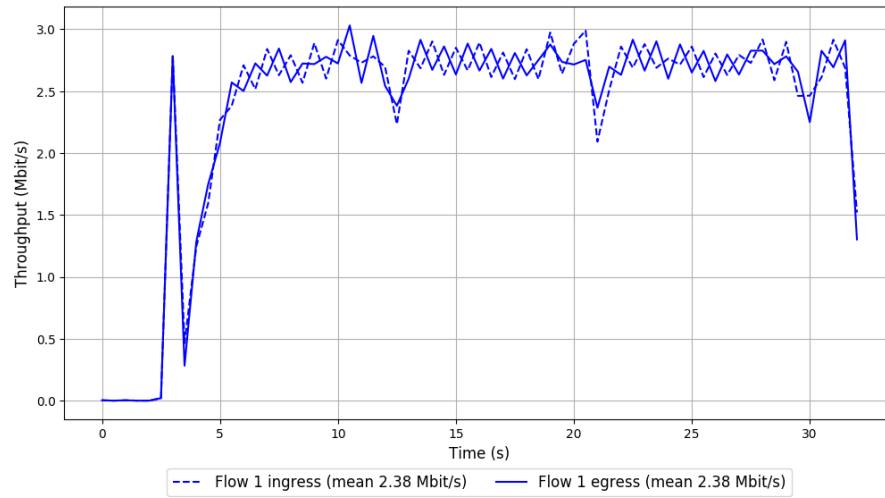
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2017-11-30 09:40:00
End at: 2017-11-30 09:40:30
Local clock offset: -0.494 ms
Remote clock offset: -0.505 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 26.507 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 26.507 ms
Loss rate: 0.18%
```
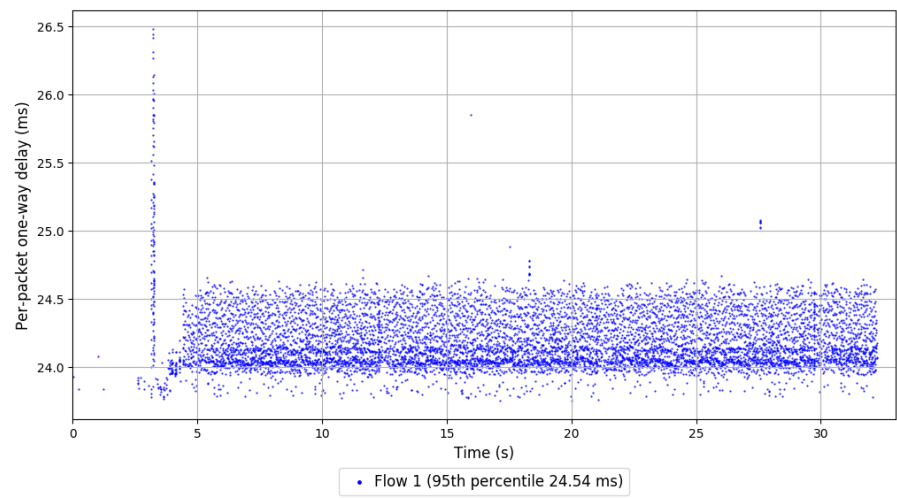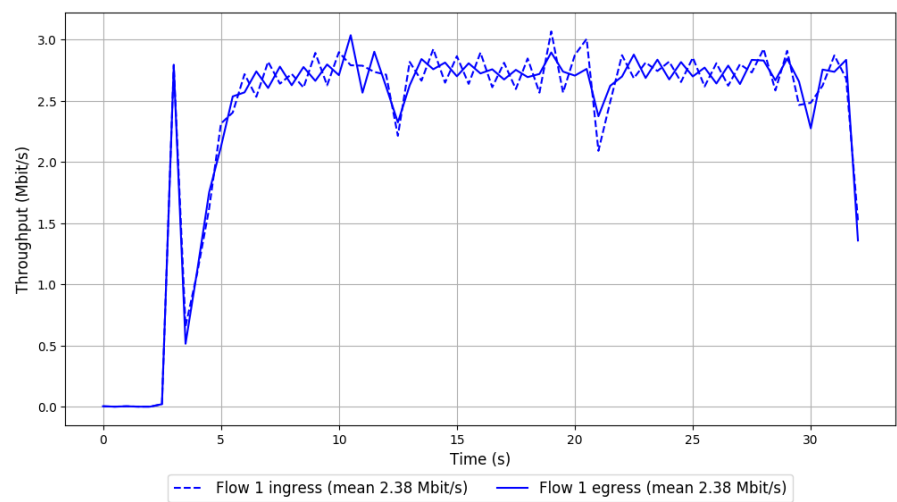
Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.38 Mbit/s)   Flow 1 egress (mean 2.38 Mbit/s)

Flow 1 (95th percentile 26.51 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2017-11-30 09:58:39
End at: 2017-11-30 09:59:09
Local clock offset: -0.497 ms
Remote clock offset: 2.255 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.318 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.318 ms
Loss rate: 0.14%
```
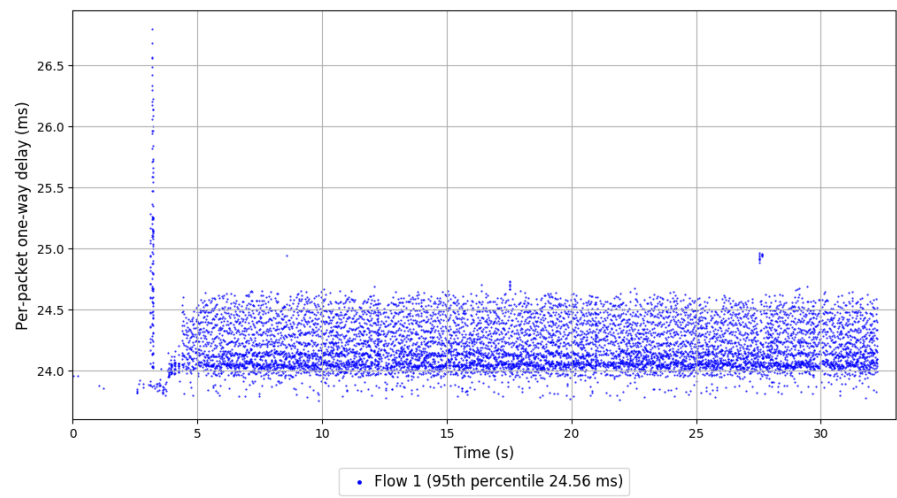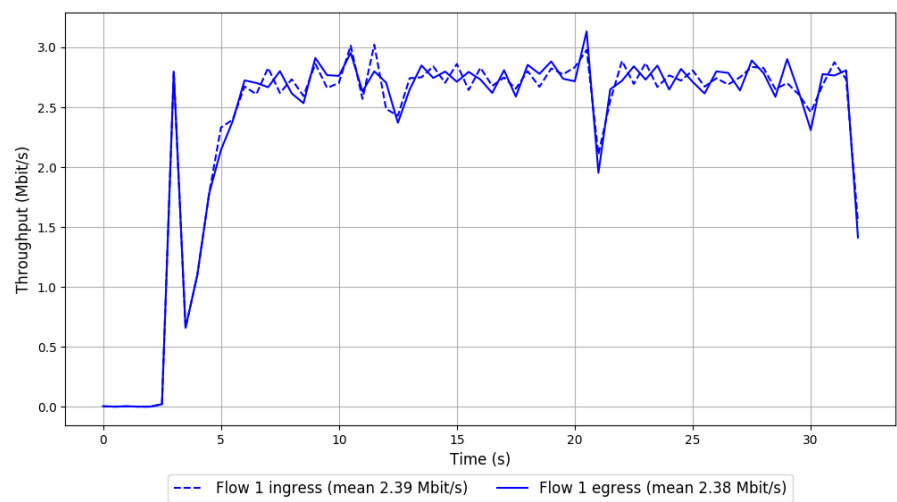
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2017-11-30 10:17:21
End at: 2017-11-30 10:17:51
Local clock offset: -0.437 ms
Remote clock offset: 2.208 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.542 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.542 ms
Loss rate: 0.14%
```
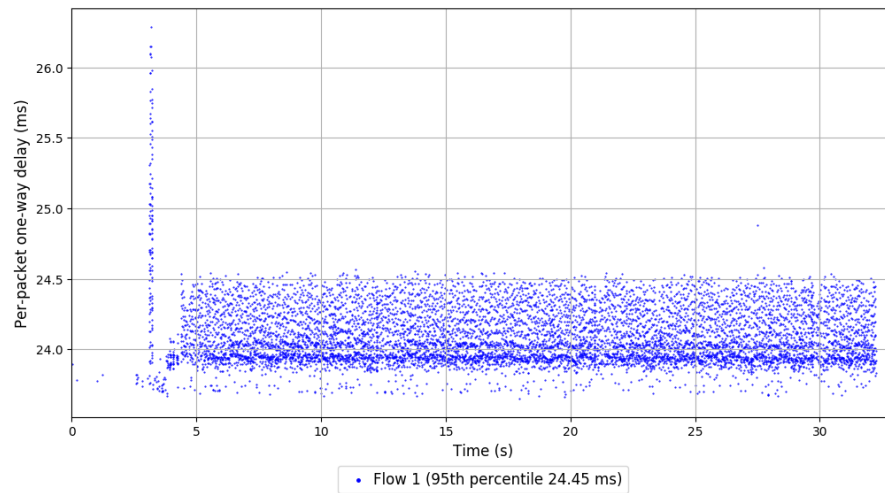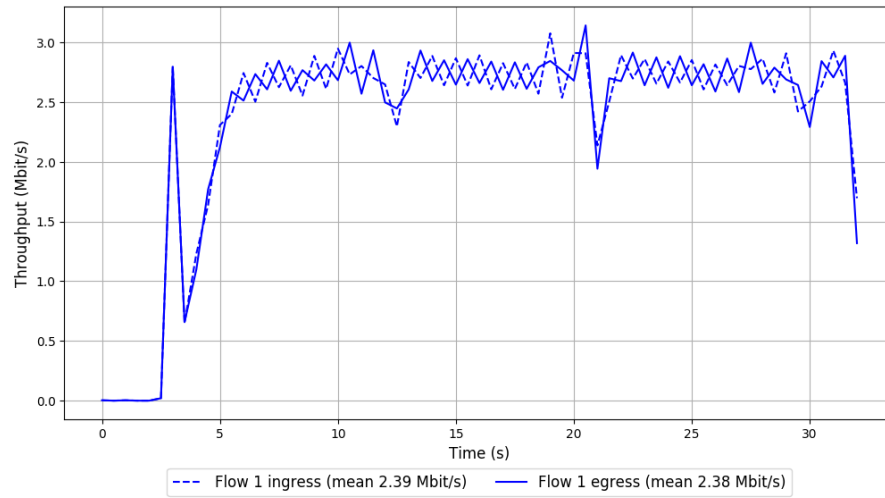
Run 5: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.38 Mbit/s) --- Flow 1 egress (mean 2.38 Mbit/s)

Flow 1 (95th percentile 24.54 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2017-11-30 10:35:59
End at: 2017-11-30 10:36:29
Local clock offset: -0.317 ms
Remote clock offset: 2.404 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.563 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.563 ms
Loss rate: 0.14%
```
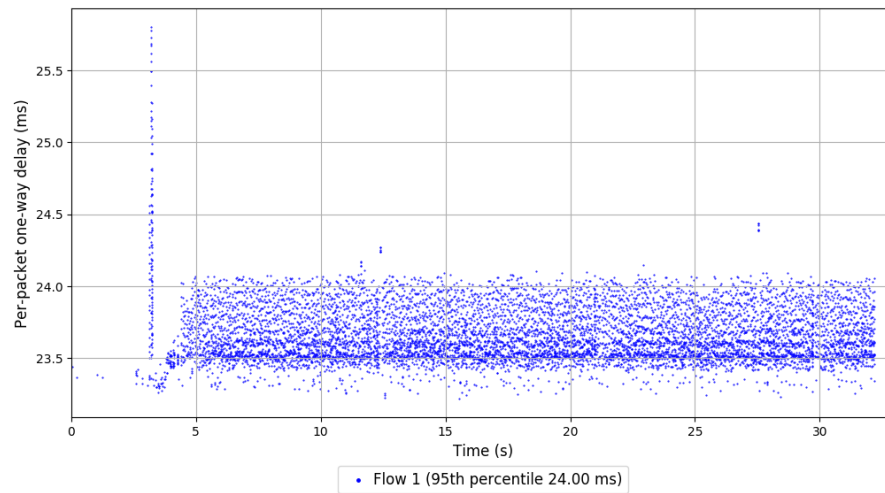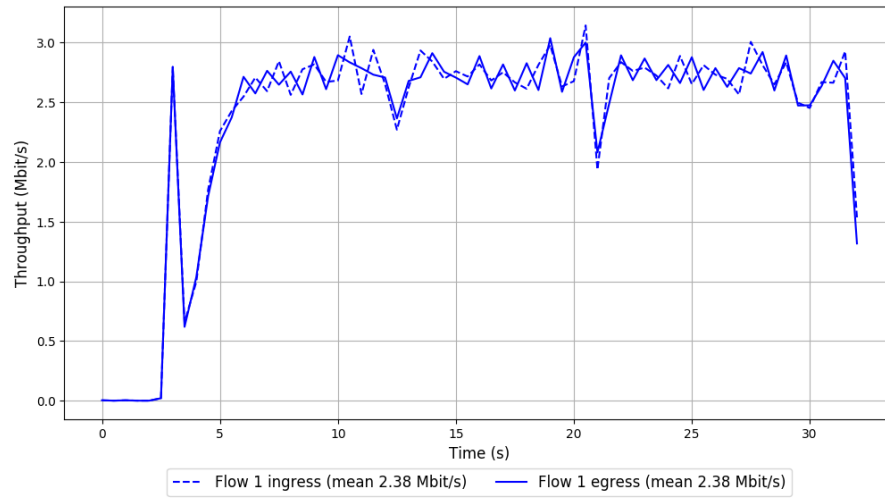
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2017-11-30 10:54:44
End at: 2017-11-30 10:55:14
Local clock offset: -0.235 ms
Remote clock offset: 1.93 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.446 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.446 ms
Loss rate: 0.24%
```
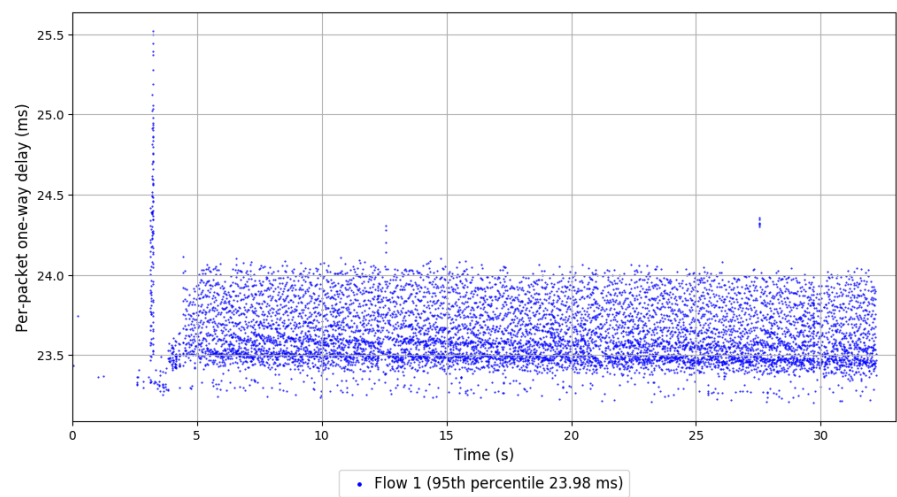
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2017-11-30 11:13:25
End at: 2017-11-30 11:13:55
Local clock offset: -0.181 ms
Remote clock offset: 2.096 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 23.999 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 23.999 ms
Loss rate: 0.29%
```
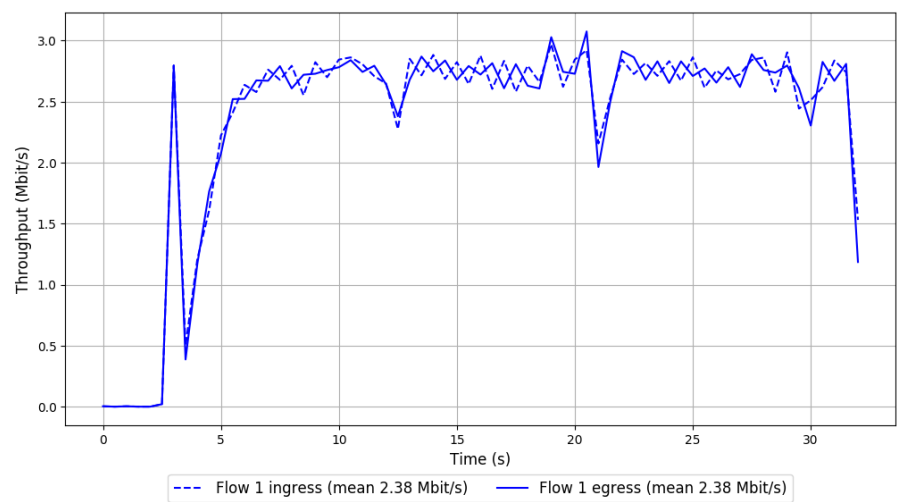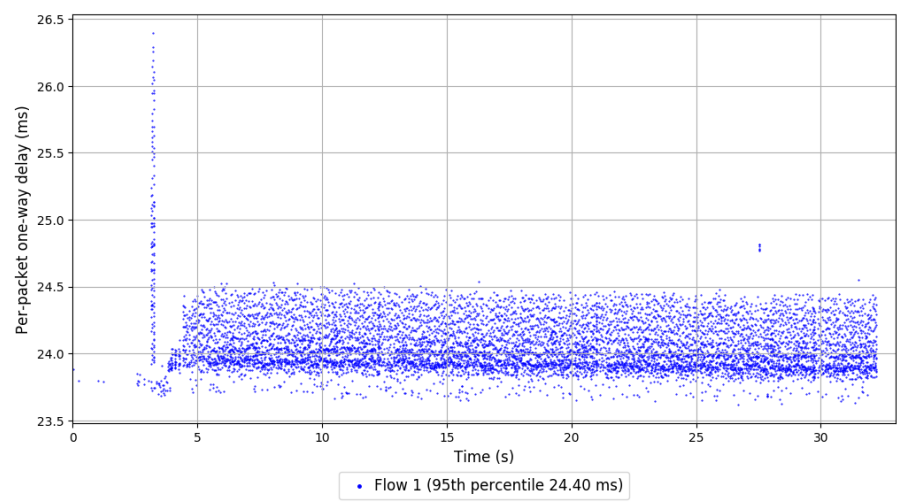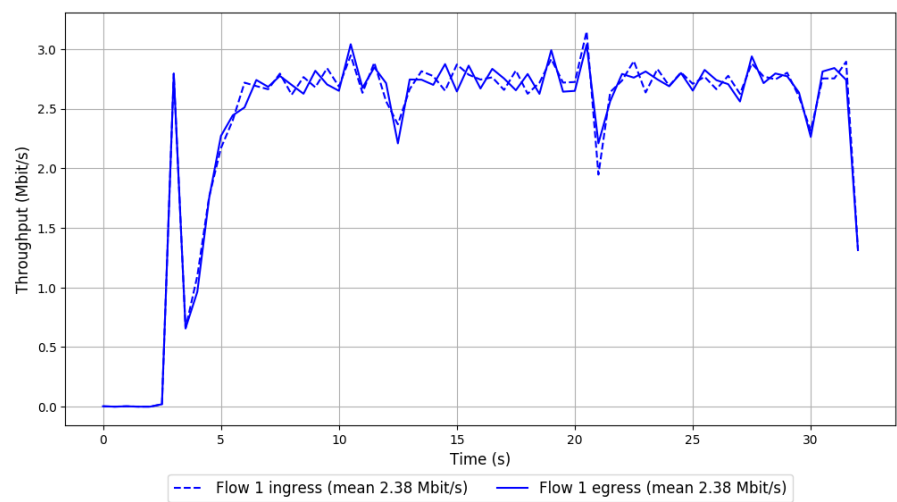
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2017-11-30 11:32:01
End at: 2017-11-30 11:32:31
Local clock offset: -0.085 ms
Remote clock offset: 1.015 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 23.983 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 23.983 ms
Loss rate: 0.29%
```
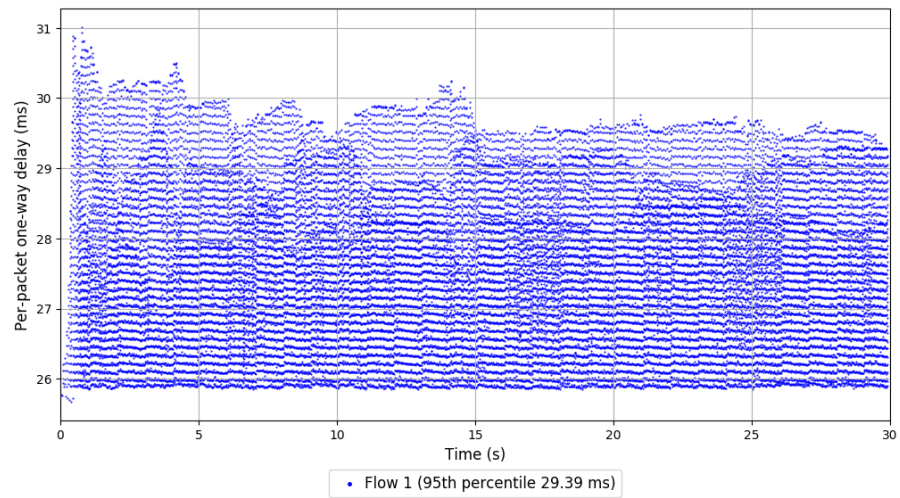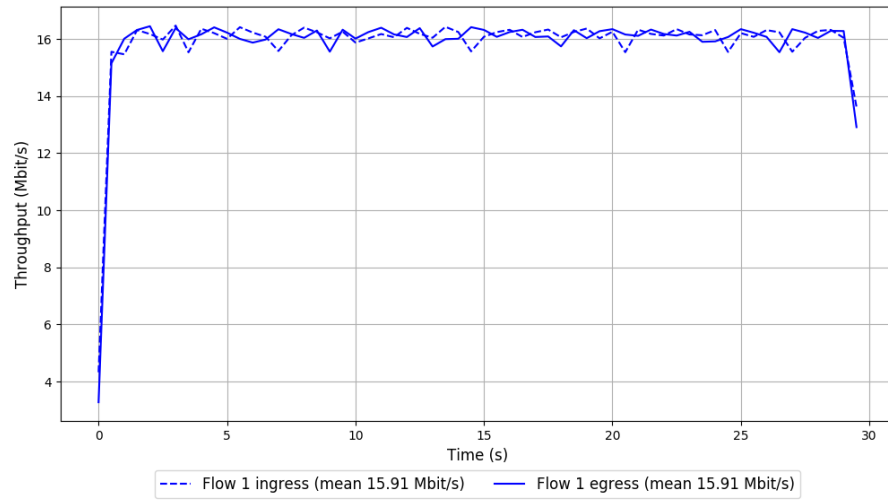
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2017-11-30 11:50:40
End at: 2017-11-30 11:51:10
Local clock offset: -0.04 ms
Remote clock offset: -0.377 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.400 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.400 ms
Loss rate: 0.14%
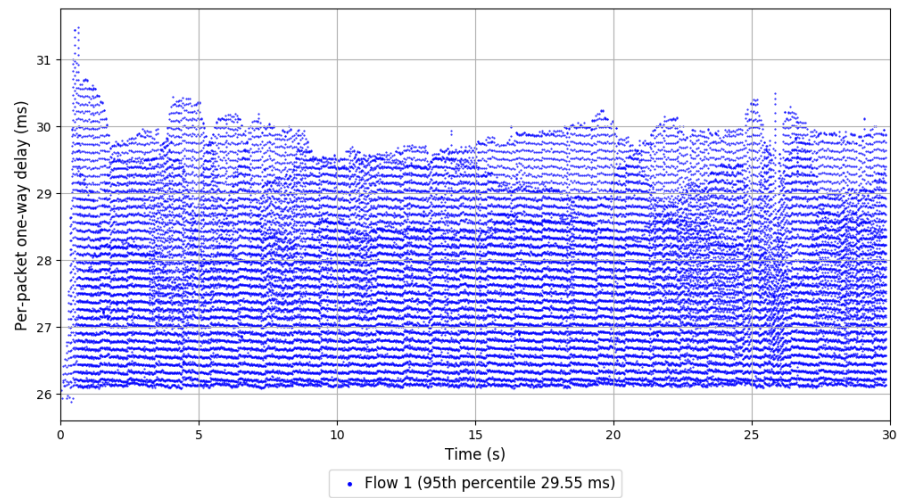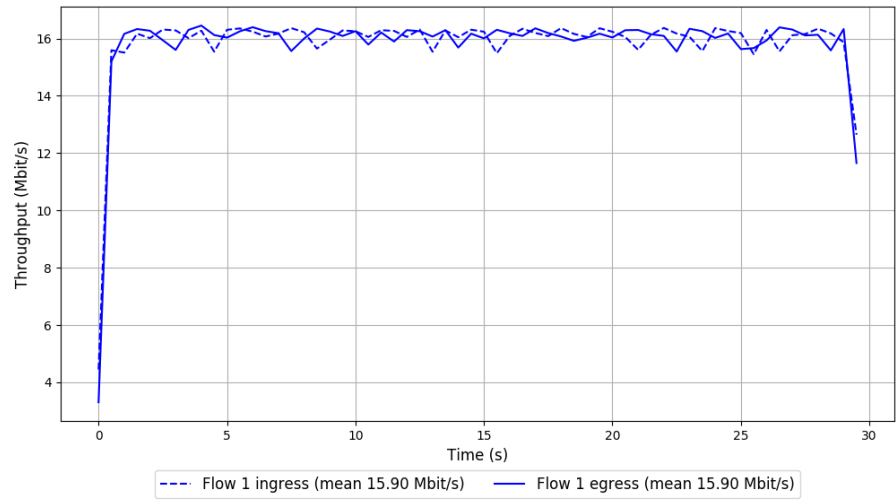```

Run 10: Report of WebRTC media — Data Link

```
Run 1: Statistics of Sprout

Start at: 2017-11-30 08:57:25
End at: 2017-11-30 08:57:55
Local clock offset: -1.21 ms
Remote clock offset: -2.263 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 29.394 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 29.394 ms
Loss rate: 0.13%
```

Run 1: Report of Sprout — Data Link

Flow 1 ingress (mean 15.91 Mbit/s) — — — —   Flow 1 egress (mean 15.91 Mbit/s) ————

• Flow 1 (95th percentile 29.39 ms)

```
Run 2: Statistics of Sprout

Start at: 2017-11-30 09:16:09
End at: 2017-11-30 09:16:39
Local clock offset: -0.739 ms
Remote clock offset: -1.567 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 29.551 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 29.551 ms
Loss rate: 0.20%
```
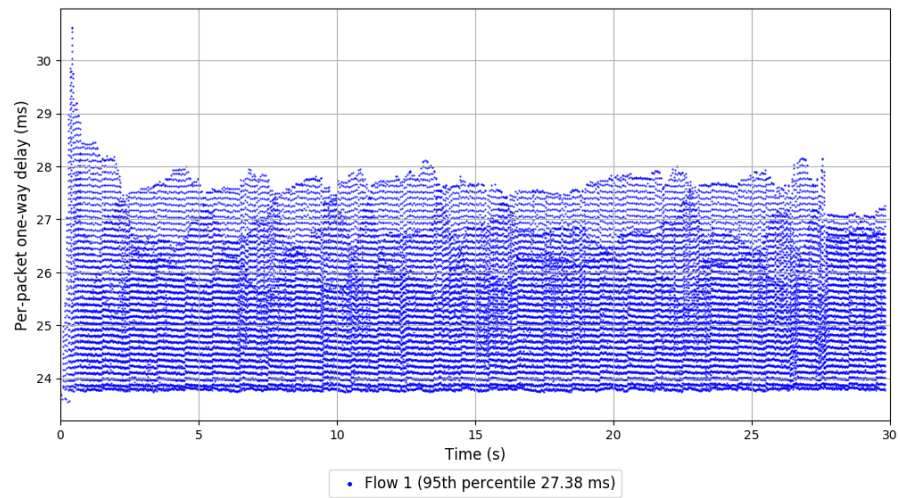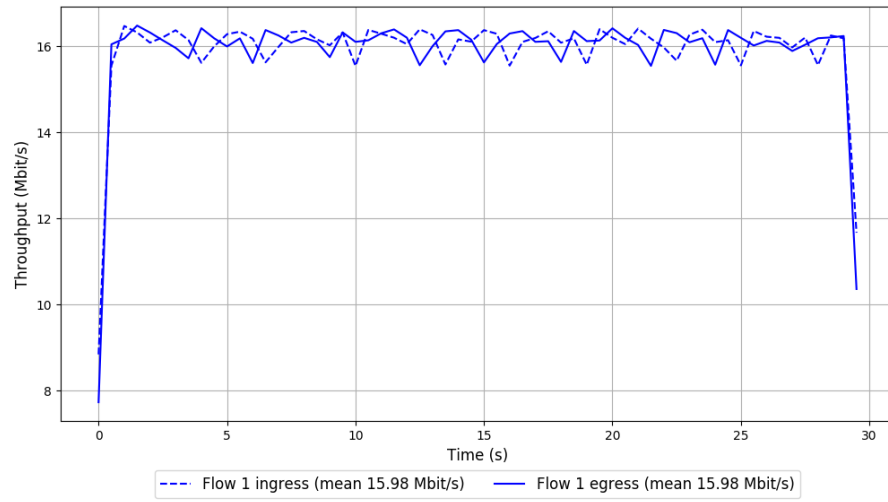
Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2017-11-30 09:34:48
End at: 2017-11-30 09:35:18
Local clock offset: -0.649 ms
Remote clock offset: 1.439 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 27.376 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 27.376 ms
Loss rate: 0.20%
```
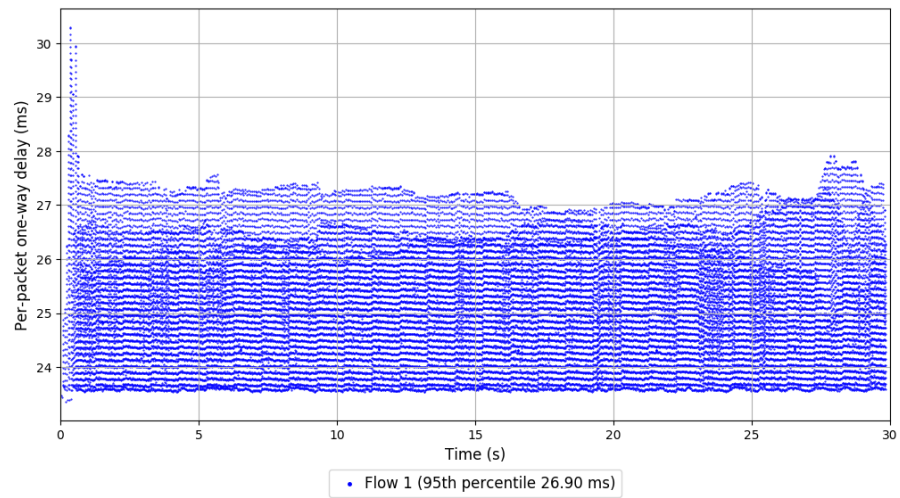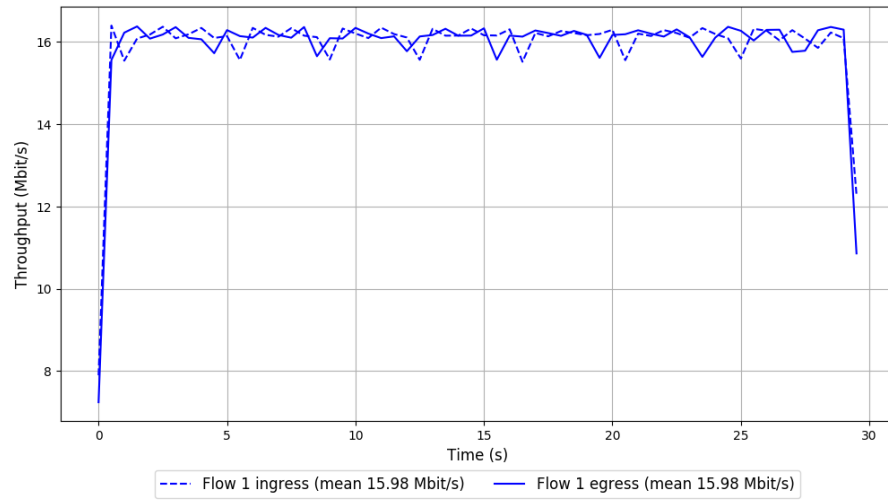
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 15.98 Mbit/s)   Flow 1 egress (mean 15.98 Mbit/s)

• Flow 1 (95th percentile 27.38 ms)

```
Run 4: Statistics of Sprout

Start at: 2017-11-30 09:53:26
End at: 2017-11-30 09:53:56
Local clock offset: -0.417 ms
Remote clock offset: 2.44 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 26.899 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 26.899 ms
Loss rate: 0.20%
```
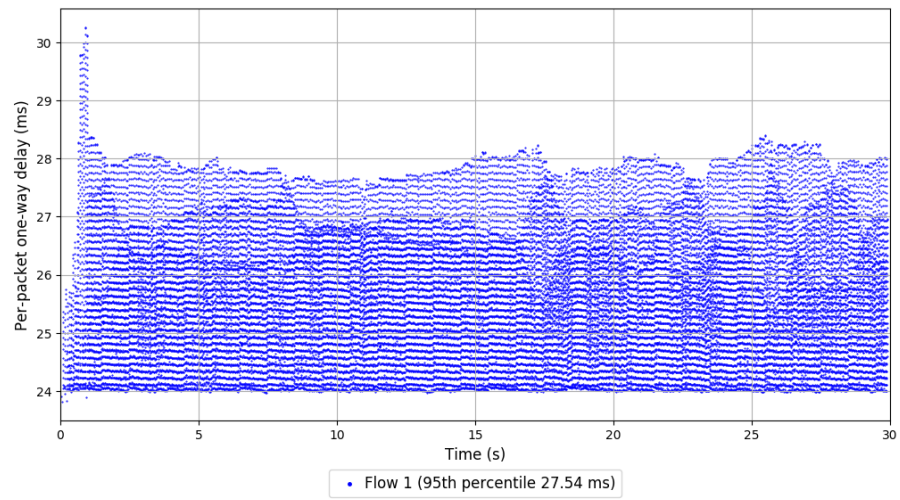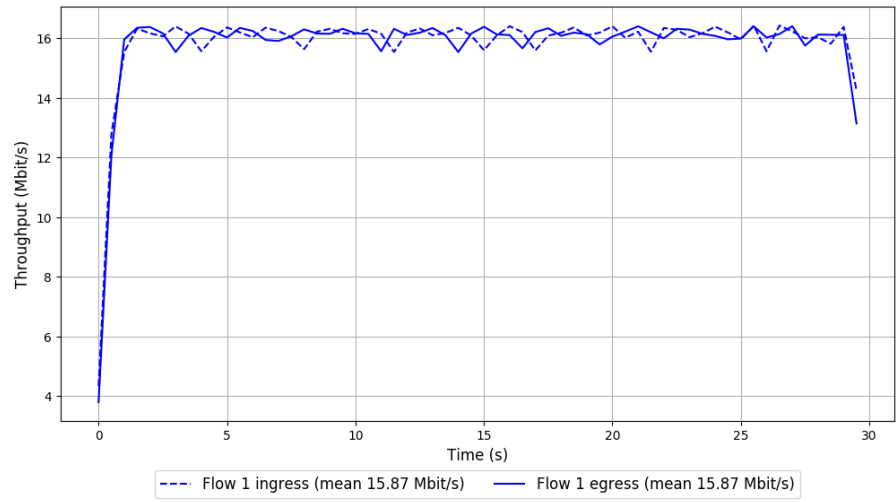
Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 15.98 Mbit/s) ----- Flow 1 egress (mean 15.98 Mbit/s)

• Flow 1 (95th percentile 26.90 ms)

```
Run 5: Statistics of Sprout

Start at: 2017-11-30 10:12:07
End at: 2017-11-30 10:12:37
Local clock offset: -0.371 ms
Remote clock offset: 2.279 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 27.535 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 27.535 ms
Loss rate: 0.20%
```
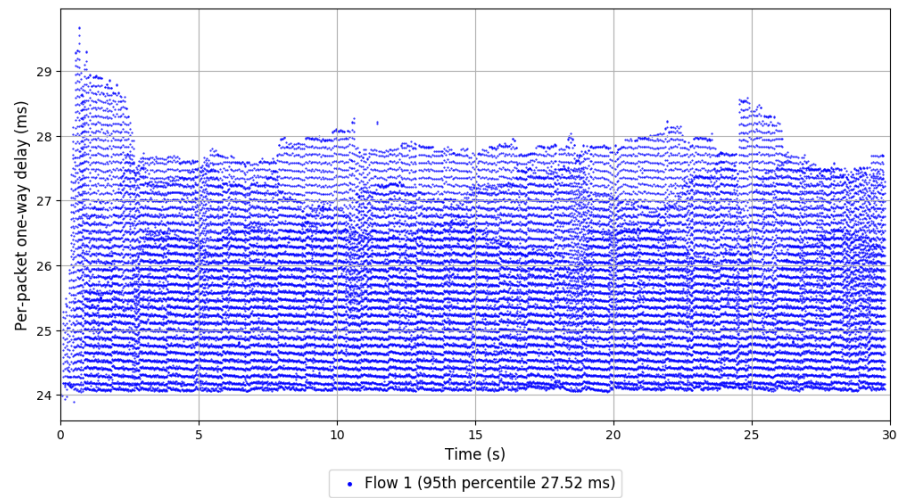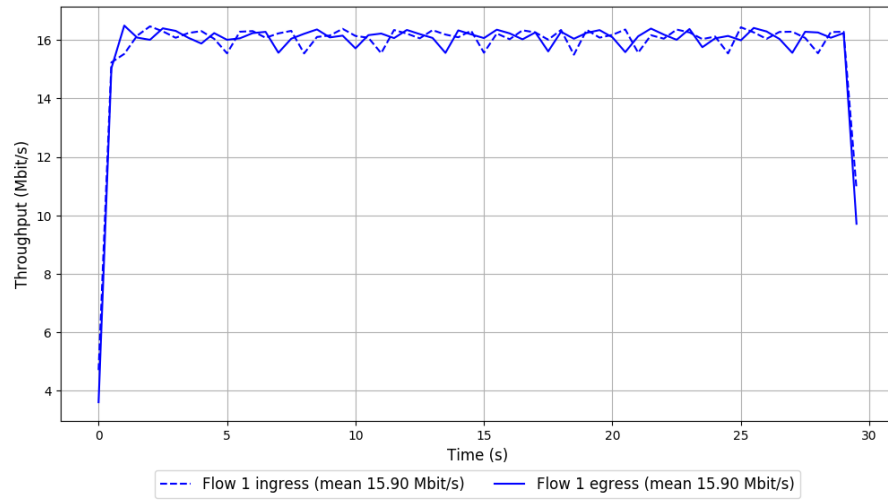
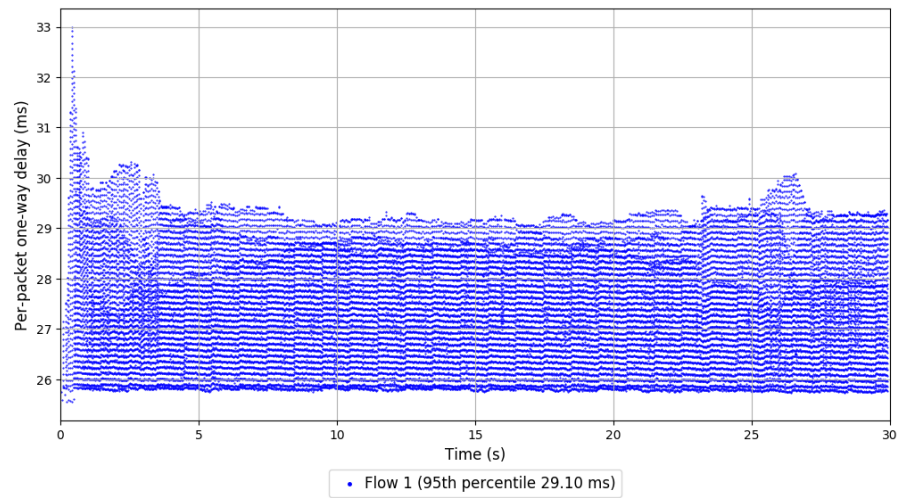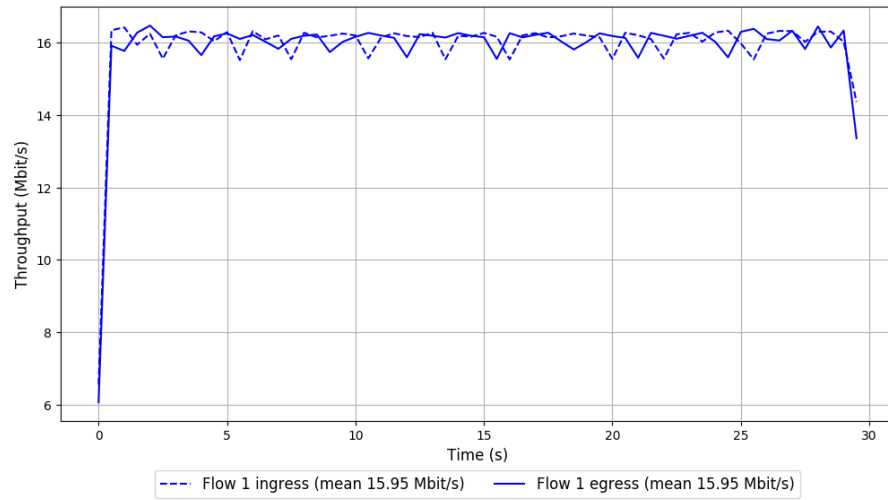Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 15.87 Mbit/s) ----   Flow 1 egress (mean 15.87 Mbit/s) ——

• Flow 1 (95th percentile 27.54 ms)

```
Run 6: Statistics of Sprout

Start at: 2017-11-30 10:30:46
End at: 2017-11-30 10:31:16
Local clock offset: -0.334 ms
Remote clock offset: 2.335 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 27.521 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 27.521 ms
Loss rate: 0.21%
```

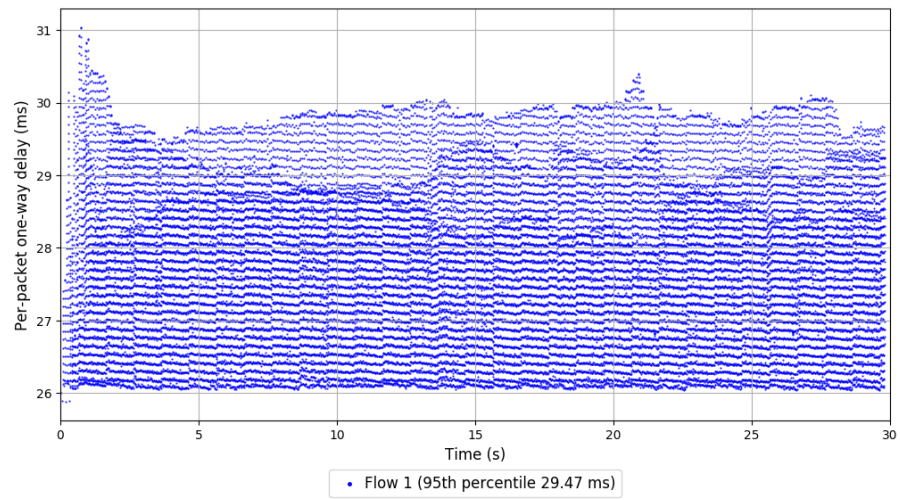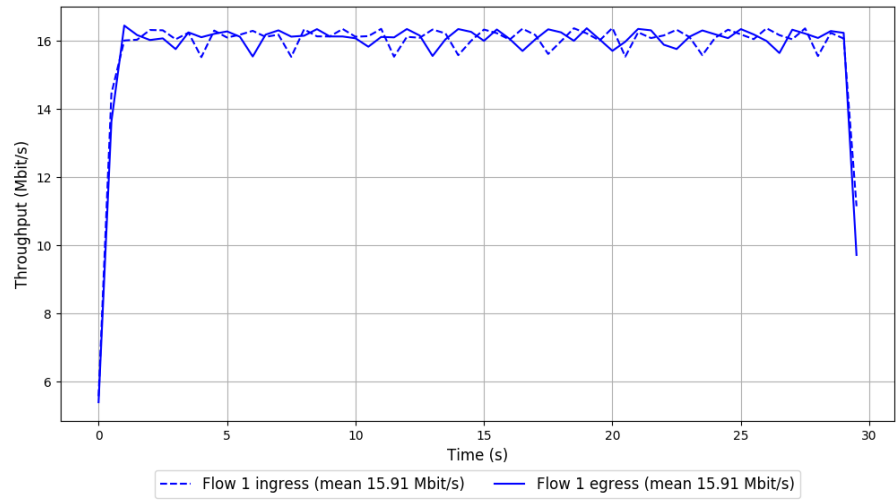## Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2017-11-30 10:49:30
End at: 2017-11-30 10:50:00
Local clock offset: -0.382 ms
Remote clock offset: 0.153 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 29.101 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.95 Mbit/s
95th percentile per-packet one-way delay: 29.101 ms
Loss rate: 0.20%
```

Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2017-11-30 11:08:13
End at: 2017-11-30 11:08:43
Local clock offset: -0.205 ms
Remote clock offset: -0.463 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 29.473 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 29.473 ms
Loss rate: 0.20%
```

Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2017-11-30 11:26:48
End at: 2017-11-30 11:27:18
Local clock offset: -0.164 ms
Remote clock offset: 1.863 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 26.626 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 26.626 ms
Loss rate: 0.20%
```
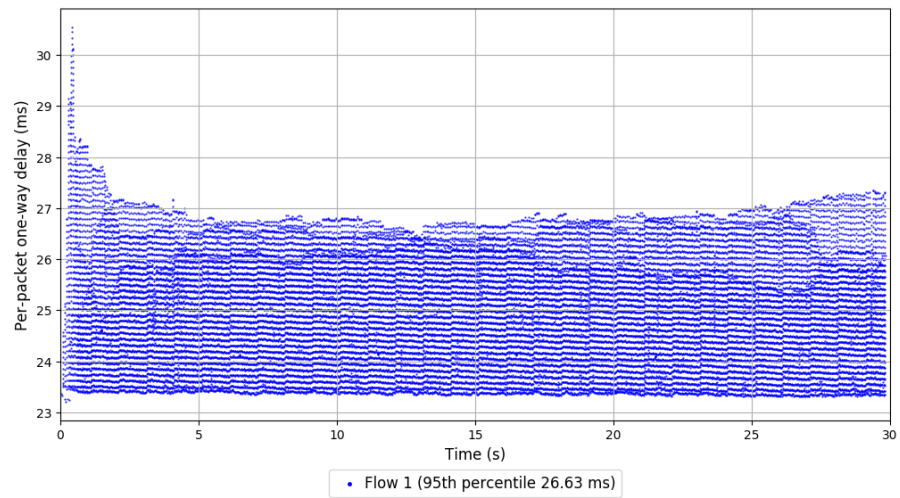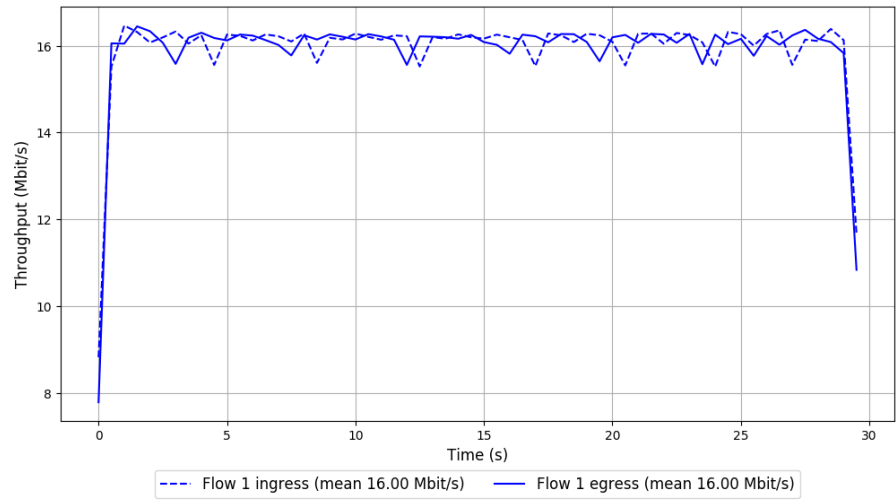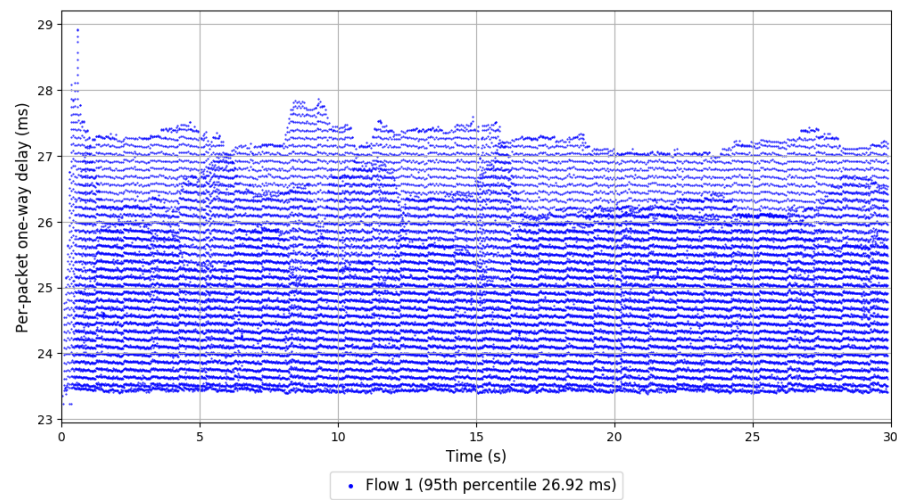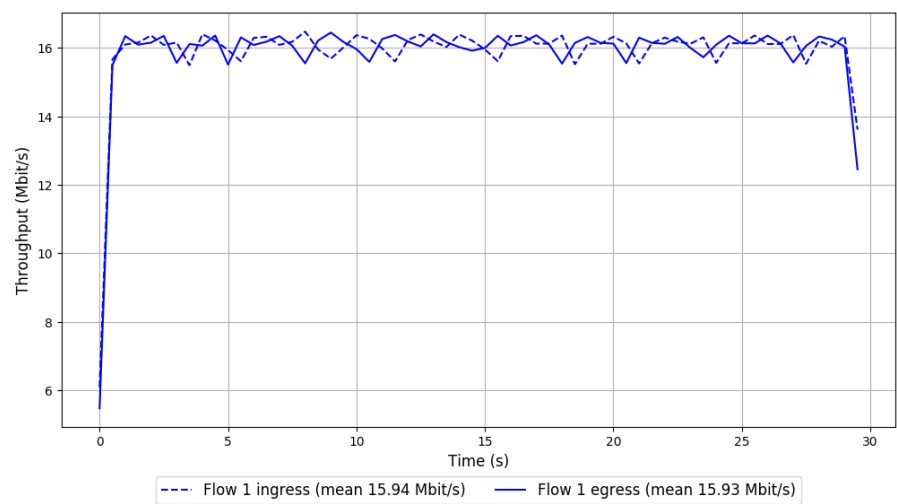
Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2017-11-30 11:45:26
End at: 2017-11-30 11:45:56
Local clock offset: -0.125 ms
Remote clock offset: 0.167 ms


# Below is generated by plot.py at 2017-11-30 15:12:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 26.919 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 26.919 ms
Loss rate: 0.20%
```
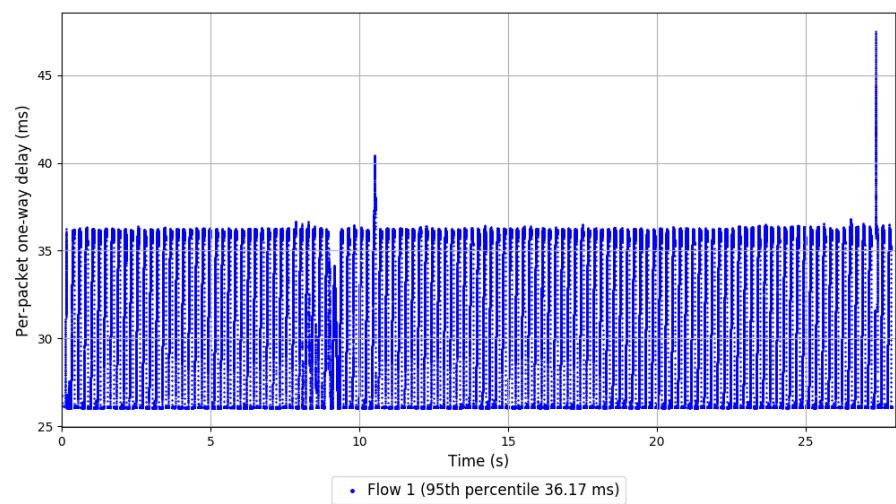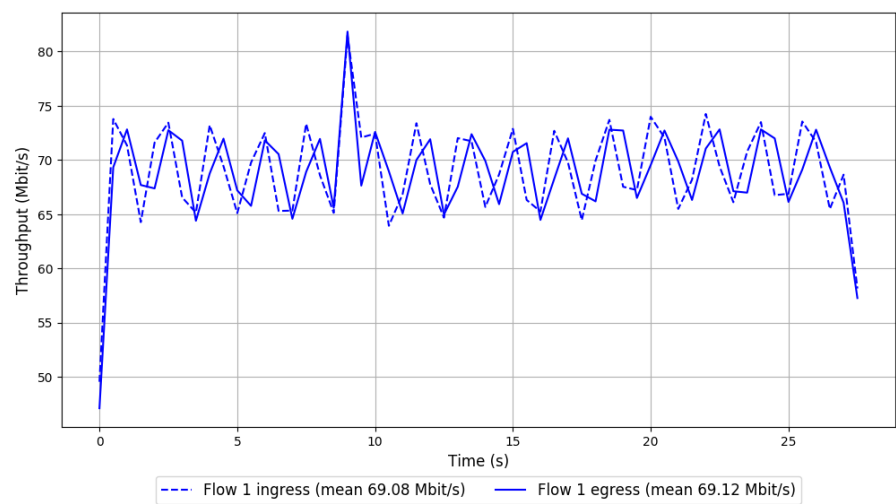
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 15.94 Mbit/s)   Flow 1 egress (mean 15.93 Mbit/s)
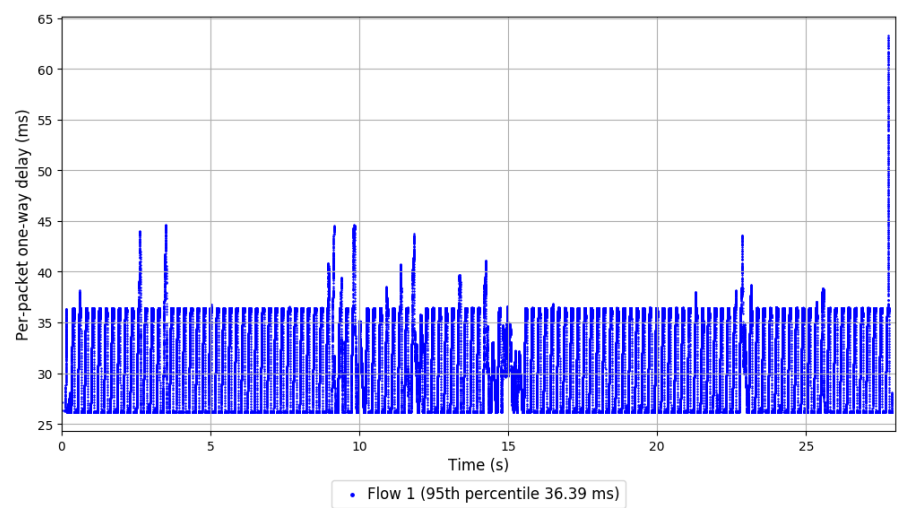

• Flow 1 (95th percentile 26.92 ms)

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

Start at: 2017-11-30 08:51:59
End at: 2017-11-30 08:52:29
Local clock offset: -1.209 ms
Remote clock offset: -2.55 ms


# Below is generated by plot.py at 2017-11-30 15:14:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 36.169 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 69.12 Mbit/s
95th percentile per-packet one-way delay: 36.169 ms
Loss rate: 0.15%
```

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

Flow 1 ingress (mean 69.08 Mbit/s) --- Flow 1 egress (mean 69.12 Mbit/s)
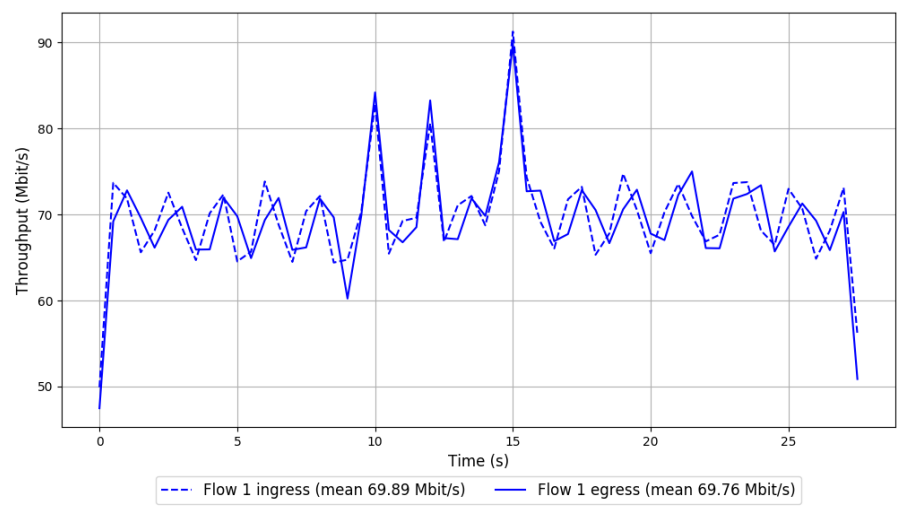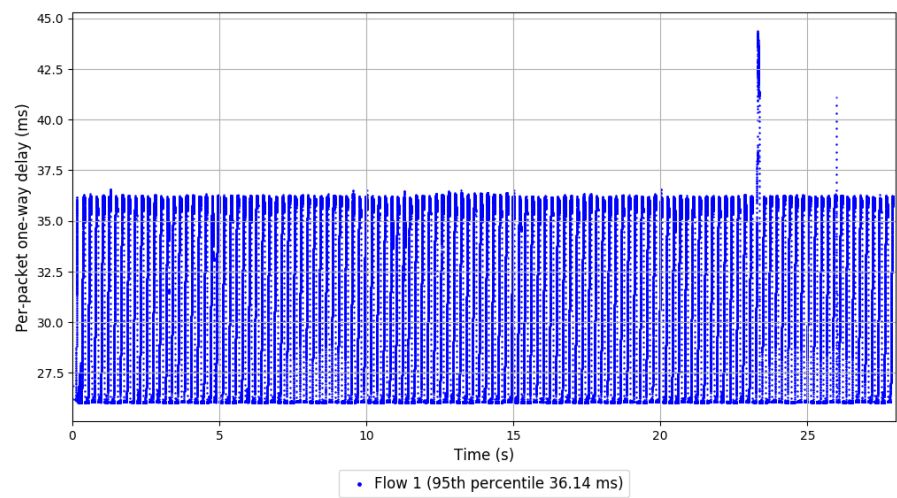

Flow 1 (95th percentile 36.17 ms)

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

Start at: 2017-11-30 09:10:41
End at: 2017-11-30 09:11:11
Local clock offset: -0.829 ms
Remote clock offset: -1.929 ms


# Below is generated by plot.py at 2017-11-30 15:14:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 36.394 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 69.76 Mbit/s
95th percentile per-packet one-way delay: 36.394 ms
Loss rate: 0.38%
```

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

Flow 1 ingress (mean 69.89 Mbit/s) ----- Flow 1 egress (mean 69.76 Mbit/s)
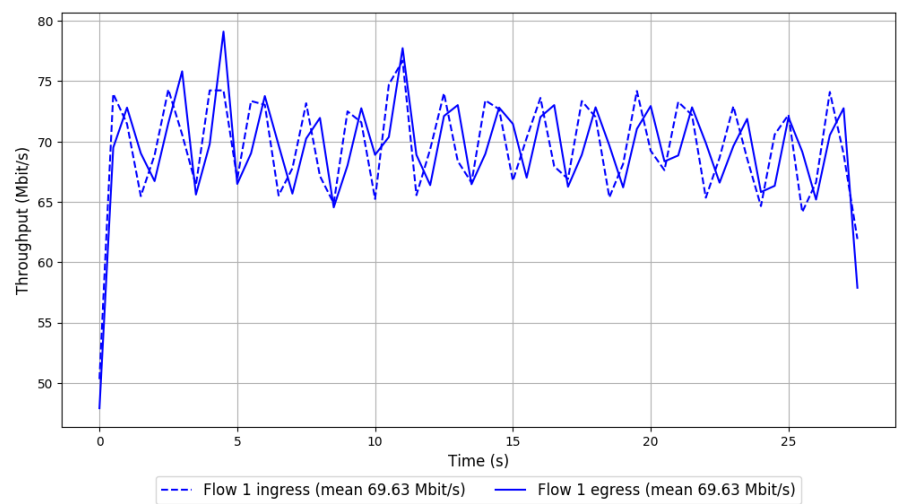

Flow 1 (95th percentile 36.39 ms)

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

Start at: 2017-11-30 09:29:26
End at: 2017-11-30 09:29:56
Local clock offset: -0.619 ms
Remote clock offset: -1.024 ms


# Below is generated by plot.py at 2017-11-30 15:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 36.137 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 36.137 ms
Loss rate: 0.19%
```
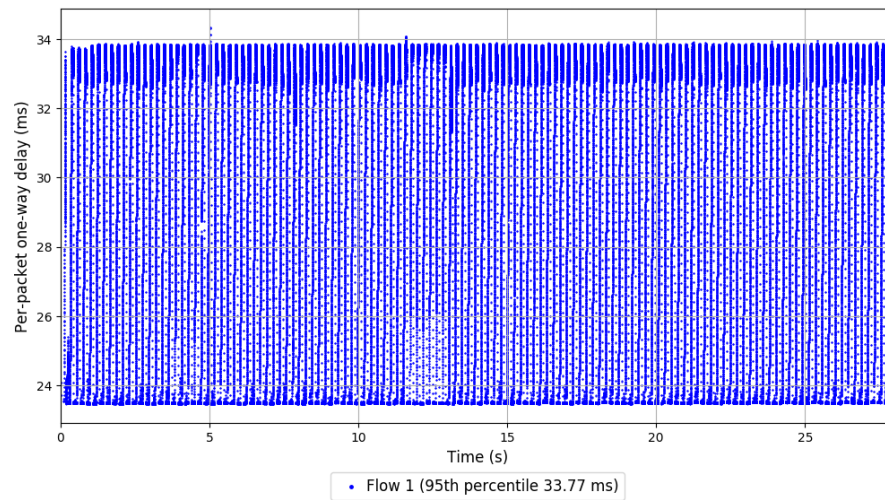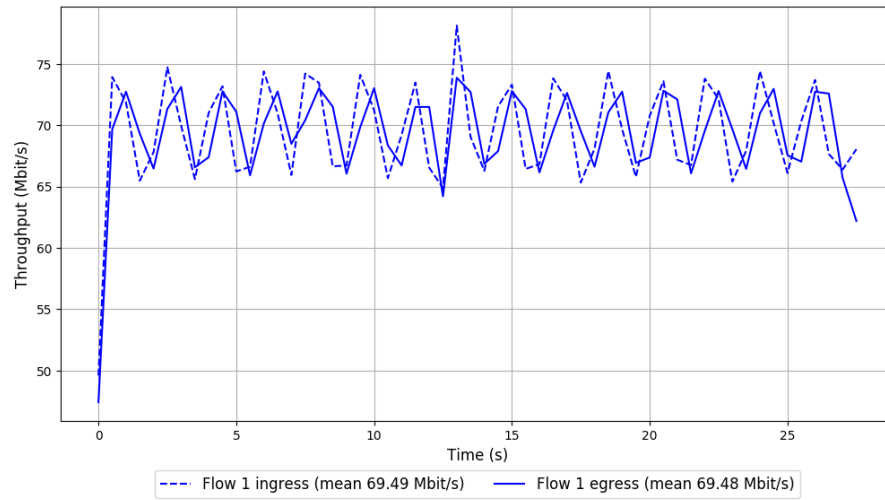
Run 3: Report of TaoVA-100x — Data Link

169

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

Start at: 2017-11-30 09:48:01
End at: 2017-11-30 09:48:31
Local clock offset: -0.467 ms
Remote clock offset: 2.26 ms


# Below is generated by plot.py at 2017-11-30 15:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.48 Mbit/s
95th percentile per-packet one-way delay: 33.771 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 69.48 Mbit/s
95th percentile per-packet one-way delay: 33.771 ms
Loss rate: 0.21%
```

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

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

Start at: 2017-11-30 10:06:41
End at: 2017-11-30 10:07:11
Local clock offset: -0.448 ms
Remote clock offset: 0.277 ms


# Below is generated by plot.py at 2017-11-30 15:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 35.946 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 68.90 Mbit/s
95th percentile per-packet one-way delay: 35.946 ms
Loss rate: 0.14%
```
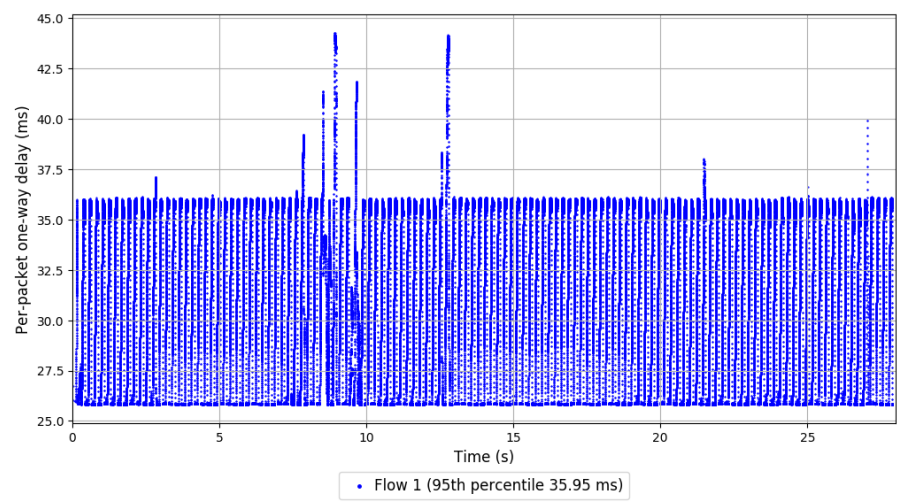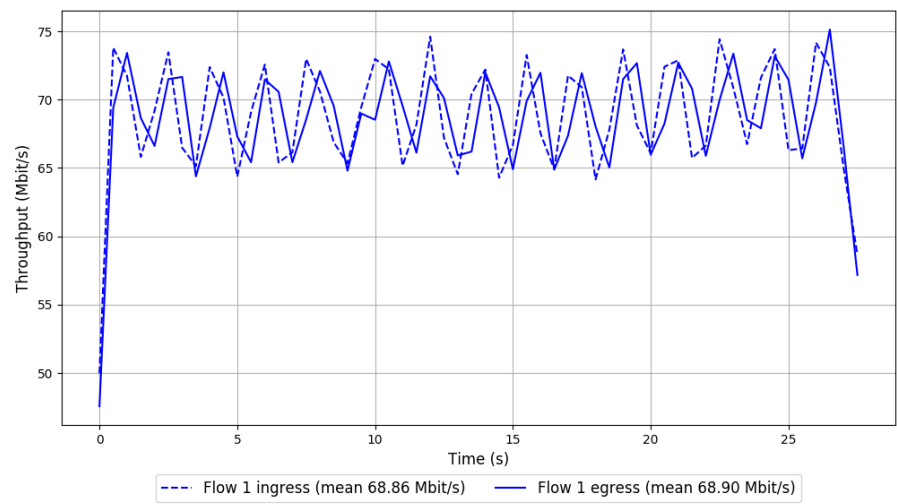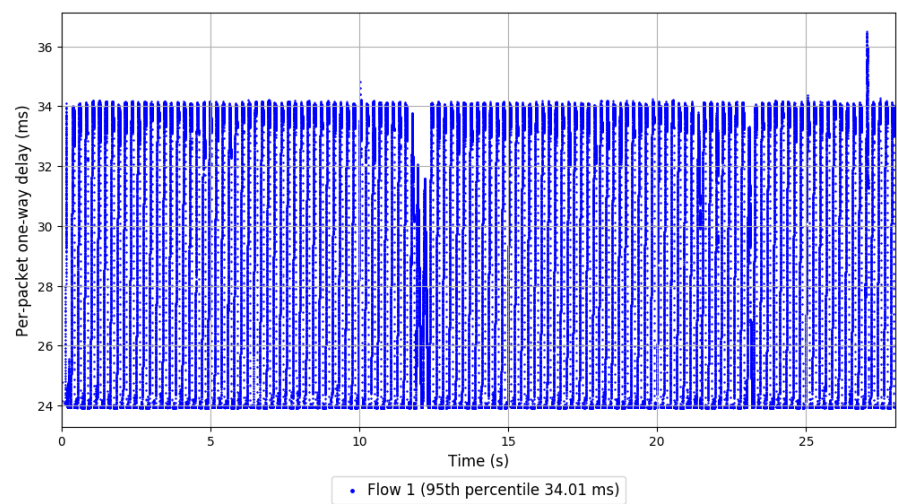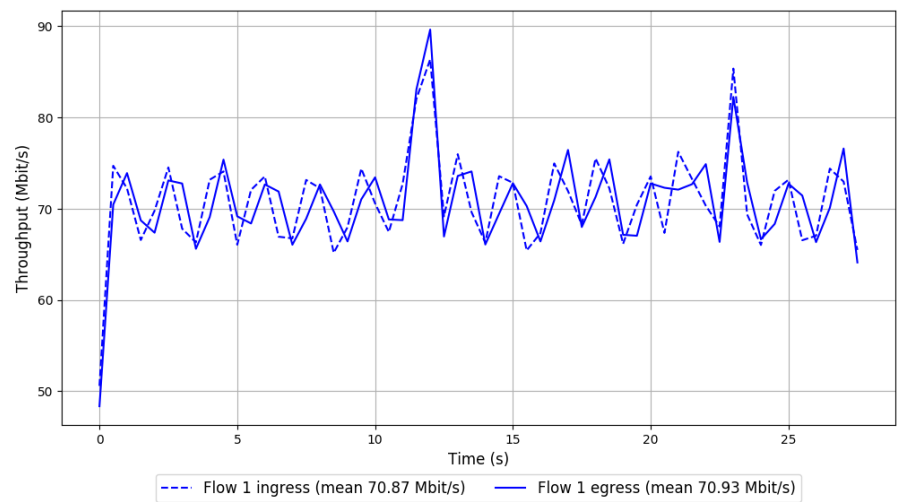
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 68.86 Mbit/s)   Flow 1 egress (mean 68.90 Mbit/s)

• Flow 1 (95th percentile 35.95 ms)

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

Start at: 2017-11-30 10:25:22
End at: 2017-11-30 10:25:52
Local clock offset: -0.37 ms
Remote clock offset: 2.387 ms


# Below is generated by plot.py at 2017-11-30 15:14:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.93 Mbit/s
95th percentile per-packet one-way delay: 34.010 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 70.93 Mbit/s
95th percentile per-packet one-way delay: 34.010 ms
Loss rate: 0.11%
```
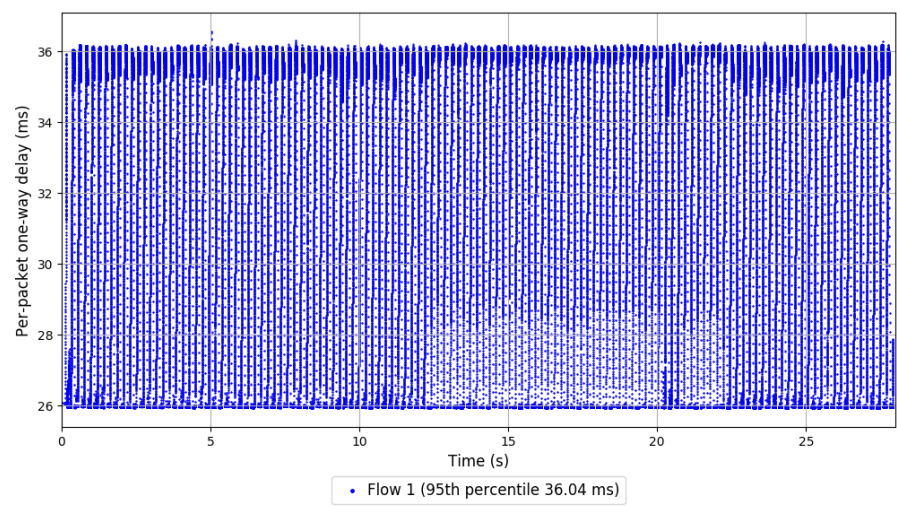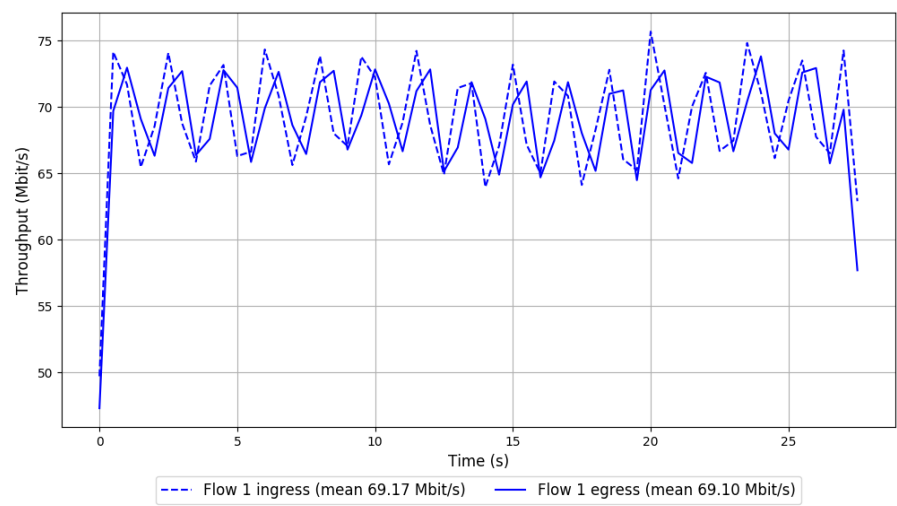
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 70.87 Mbit/s) ----- Flow 1 egress (mean 70.93 Mbit/s)

• Flow 1 (95th percentile 34.01 ms)

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

Start at: 2017-11-30 10:44:03
End at: 2017-11-30 10:44:33
Local clock offset: -0.316 ms
Remote clock offset: 0.351 ms


# Below is generated by plot.py at 2017-11-30 15:14:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.10 Mbit/s
95th percentile per-packet one-way delay: 36.039 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 69.10 Mbit/s
95th percentile per-packet one-way delay: 36.039 ms
Loss rate: 0.31%
```
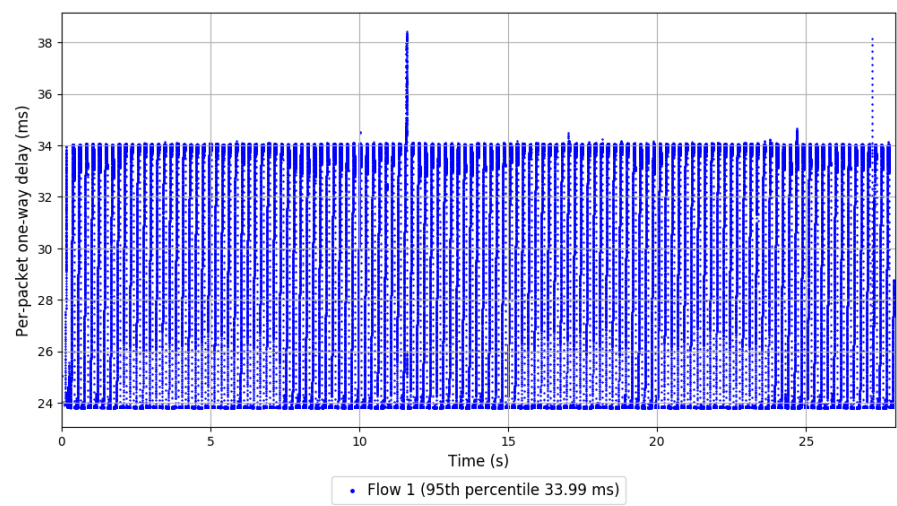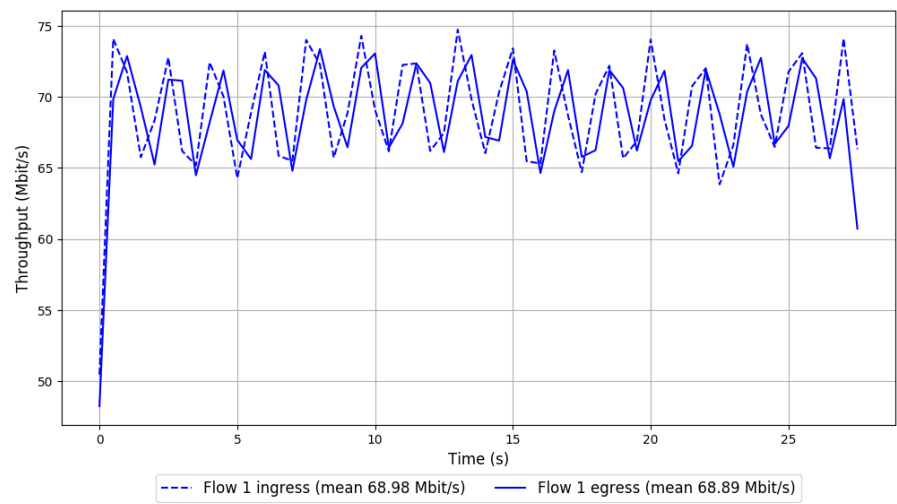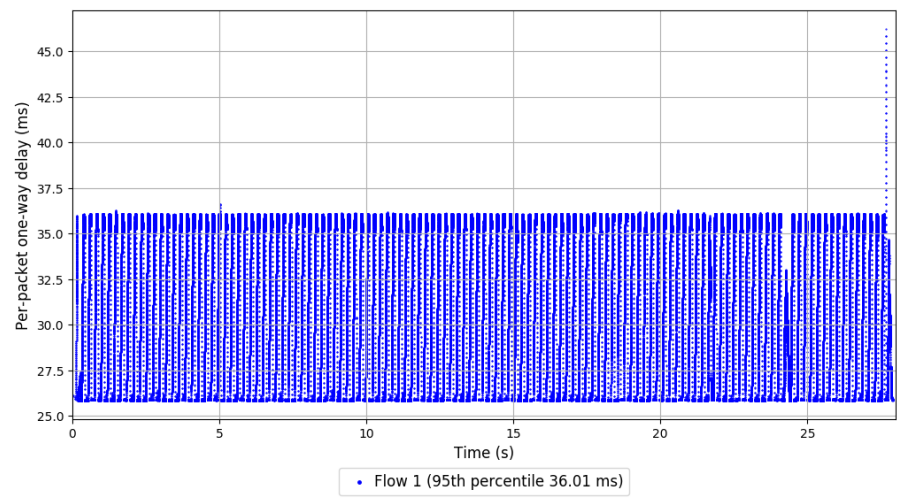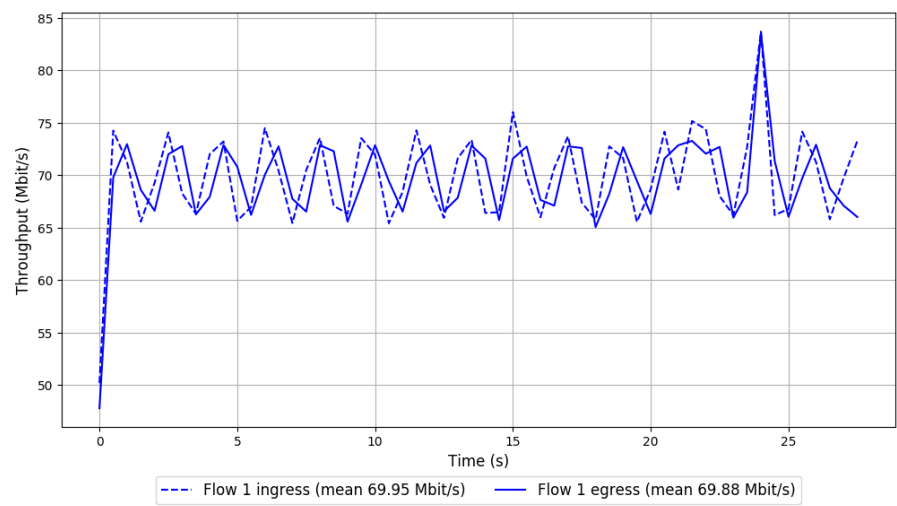
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 69.17 Mbit/s) ----- Flow 1 egress (mean 69.10 Mbit/s) ———

• Flow 1 (95th percentile 36.04 ms)

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

Start at: 2017-11-30 11:02:48
End at: 2017-11-30 11:03:18
Local clock offset: -0.312 ms
Remote clock offset: 1.743 ms


# Below is generated by plot.py at 2017-11-30 15:14:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.89 Mbit/s
95th percentile per-packet one-way delay: 33.992 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 68.89 Mbit/s
95th percentile per-packet one-way delay: 33.992 ms
Loss rate: 0.31%
```

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

Flow 1 ingress (mean 68.98 Mbit/s) ----- Flow 1 egress (mean 68.89 Mbit/s) ——

• Flow 1 (95th percentile 33.99 ms)

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

Start at: 2017-11-30 11:21:25
End at: 2017-11-30 11:21:55
Local clock offset: -0.22 ms
Remote clock offset: -0.331 ms


# Below is generated by plot.py at 2017-11-30 15:16:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 36.013 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 69.88 Mbit/s
95th percentile per-packet one-way delay: 36.013 ms
Loss rate: 0.31%
```

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

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

Start at: 2017-11-30 11:40:01
End at: 2017-11-30 11:40:31
Local clock offset: -0.064 ms
Remote clock offset: 0.356 ms


# Below is generated by plot.py at 2017-11-30 15:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 33.669 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 69.91 Mbit/s
95th percentile per-packet one-way delay: 33.669 ms
Loss rate: 0.14%
```
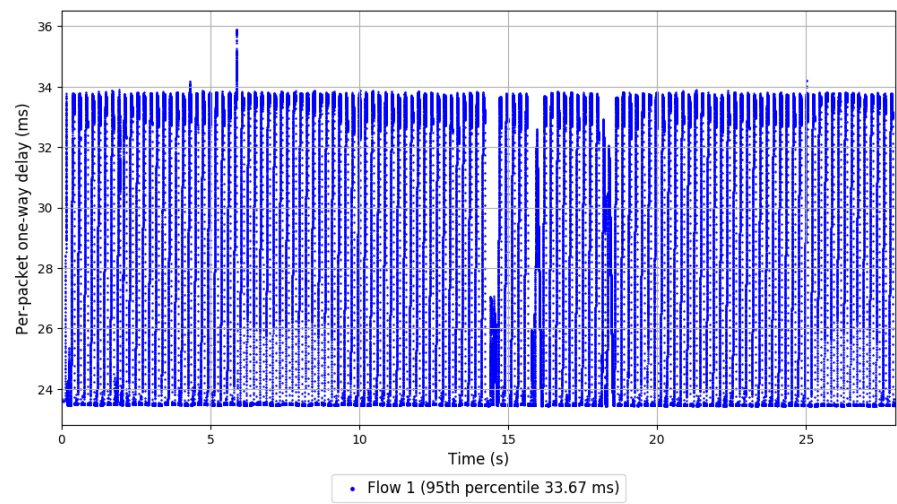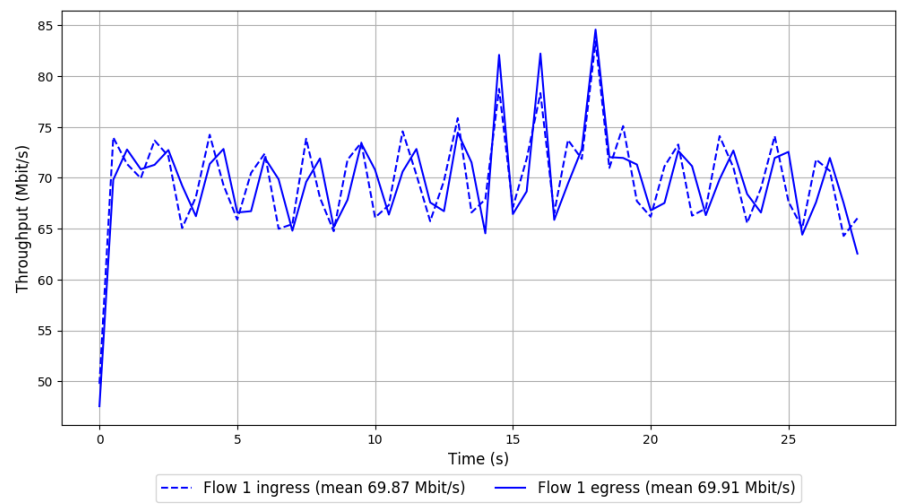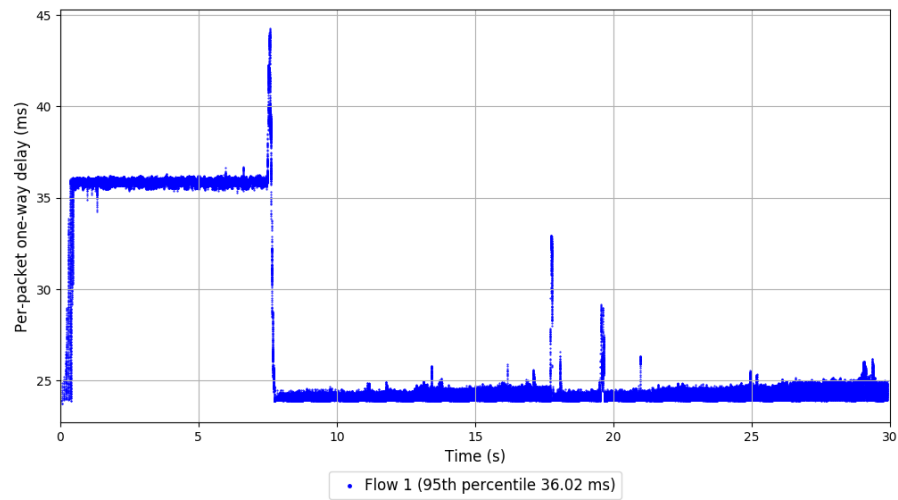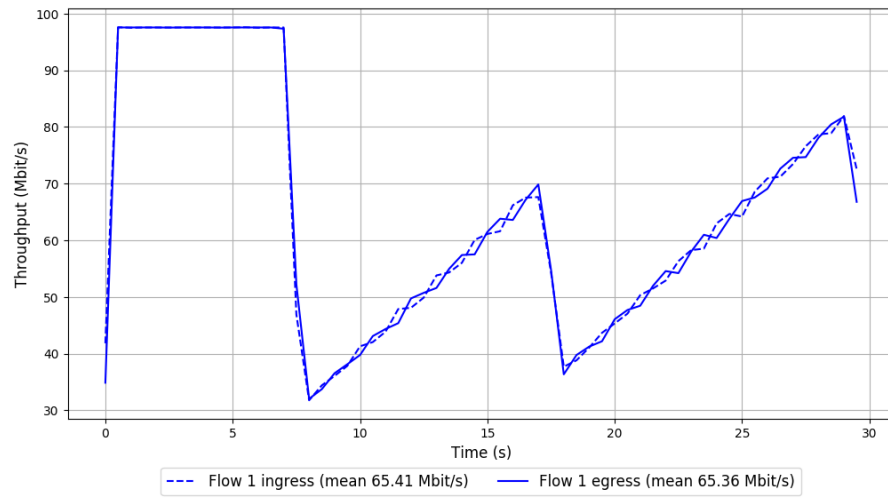
Run 10: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 69.87 Mbit/s)   Flow 1 egress (mean 69.91 Mbit/s)
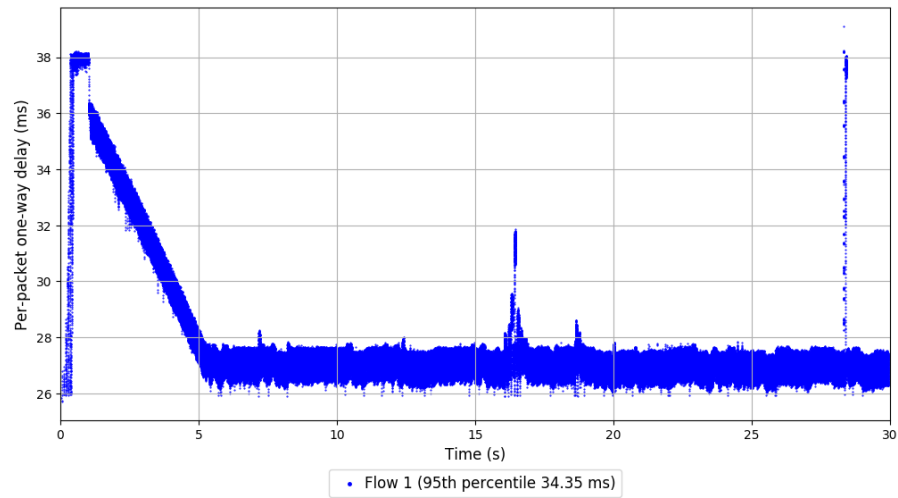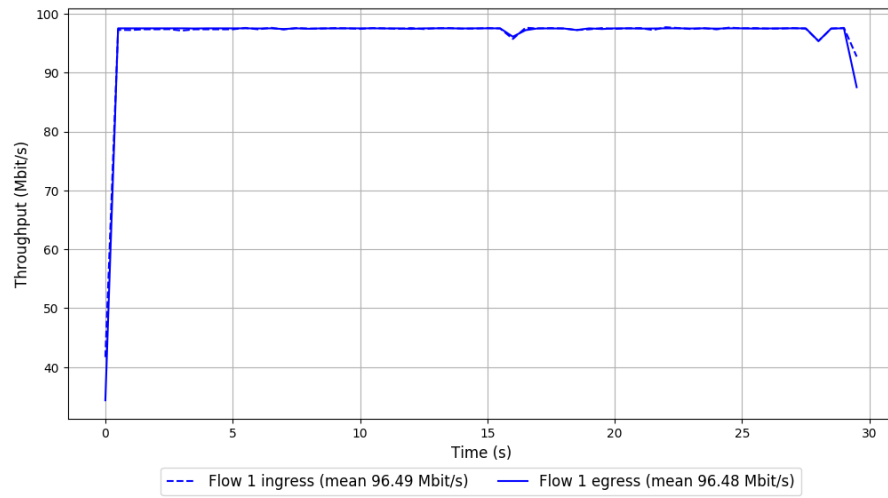

Flow 1 (95th percentile 33.67 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2017-11-30 09:05:17
End at: 2017-11-30 09:05:47
Local clock offset: -0.91 ms
Remote clock offset: 0.074 ms


# Below is generated by plot.py at 2017-11-30 15:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.36 Mbit/s
95th percentile per-packet one-way delay: 36.023 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 65.36 Mbit/s
95th percentile per-packet one-way delay: 36.023 ms
Loss rate: 0.25%
```
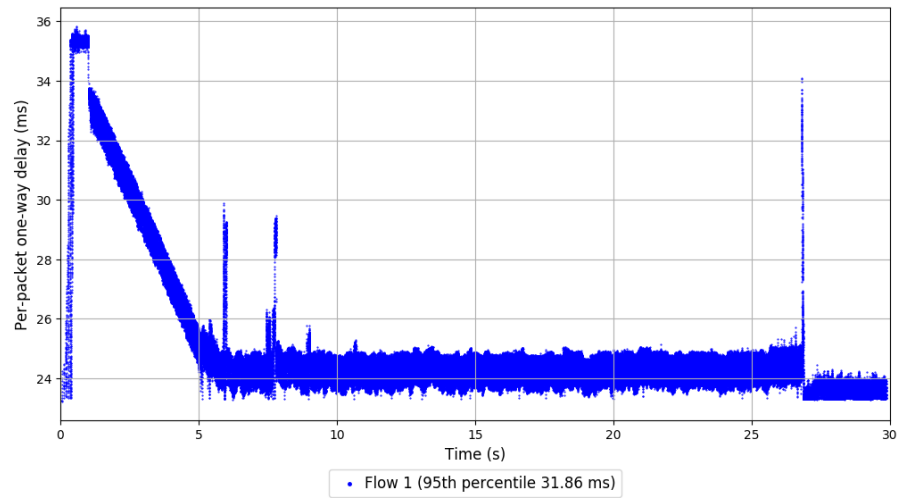
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2017-11-30 09:24:03
End at: 2017-11-30 09:24:33
Local clock offset: -0.72 ms
Remote clock offset: -1.208 ms


# Below is generated by plot.py at 2017-11-30 15:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 34.349 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 34.349 ms
Loss rate: 0.18%
```
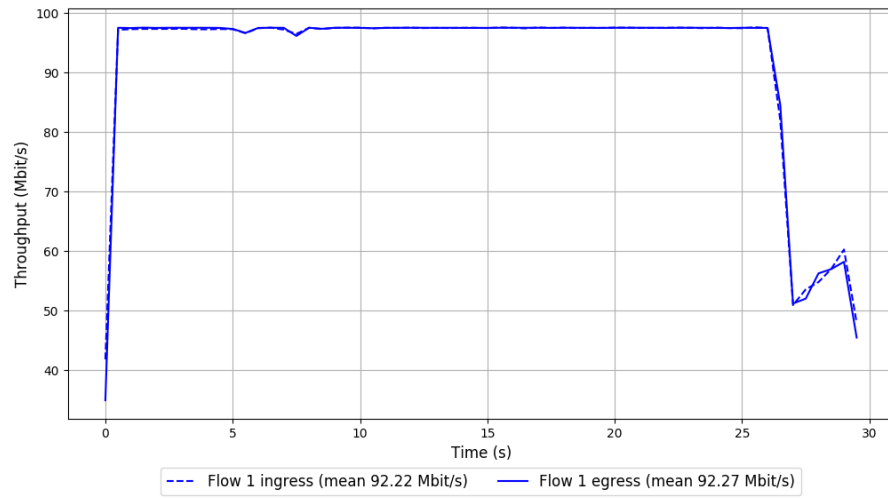
Run 2: Report of TCP Vegas — Data Link

Run 3: Statistics of TCP Vegas

Start at: 2017-11-30 09:42:38
End at: 2017-11-30 09:43:08
Local clock offset: -0.572 ms
Remote clock offset: 2.109 ms

Below is generated by plot.py at 2017-11-30 15:16:02
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 31.855 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 92.27 Mbit/s
95th percentile per-packet one-way delay: 31.855 ms
Loss rate: 0.12%

Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2017-11-30 10:01:17
End at: 2017-11-30 10:01:47
Local clock offset: -0.47 ms
Remote clock offset: 2.756 ms


# Below is generated by plot.py at 2017-11-30 15:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.36 Mbit/s
95th percentile per-packet one-way delay: 35.561 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 76.36 Mbit/s
95th percentile per-packet one-way delay: 35.561 ms
Loss rate: 0.19%
```
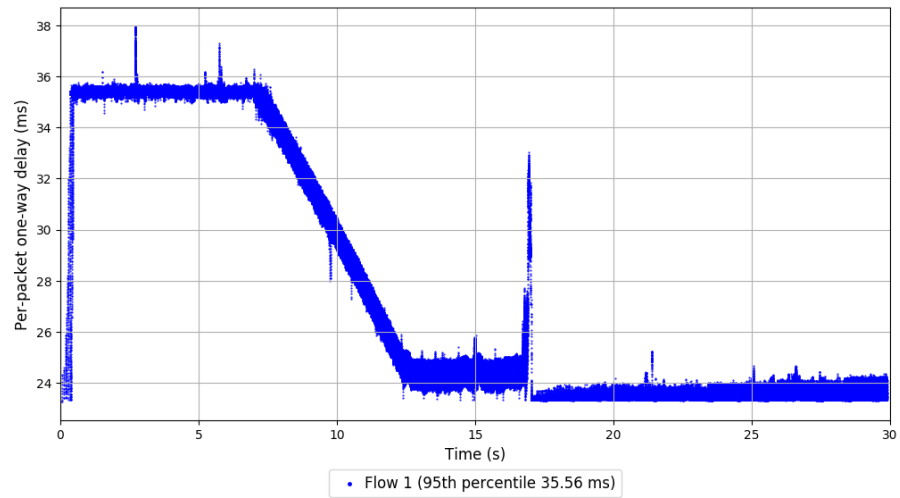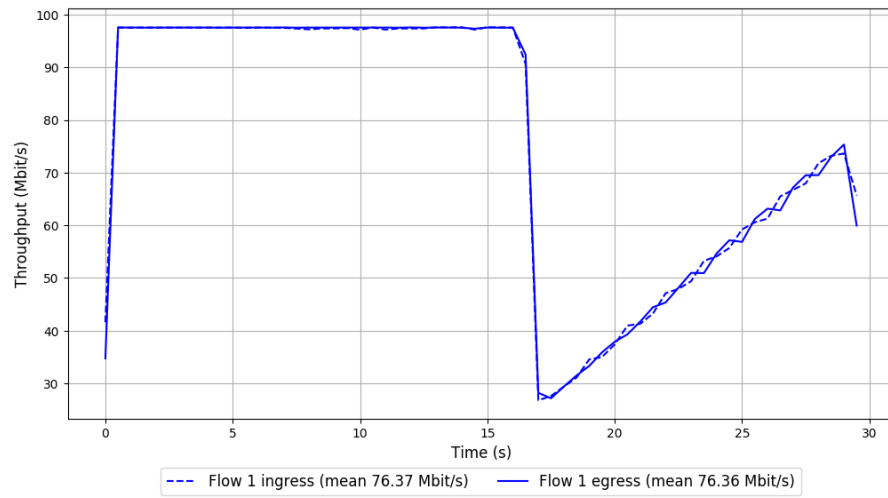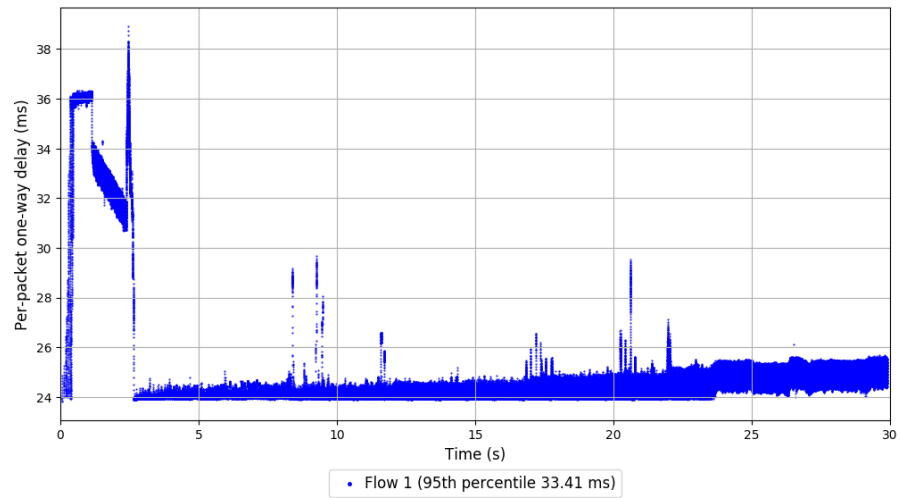
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2017-11-30 10:19:59
End at: 2017-11-30 10:20:29
Local clock offset: -0.357 ms
Remote clock offset: 2.348 ms


# Below is generated by plot.py at 2017-11-30 15:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.91 Mbit/s
95th percentile per-packet one-way delay: 33.412 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 66.91 Mbit/s
95th percentile per-packet one-way delay: 33.412 ms
Loss rate: 0.31%
```
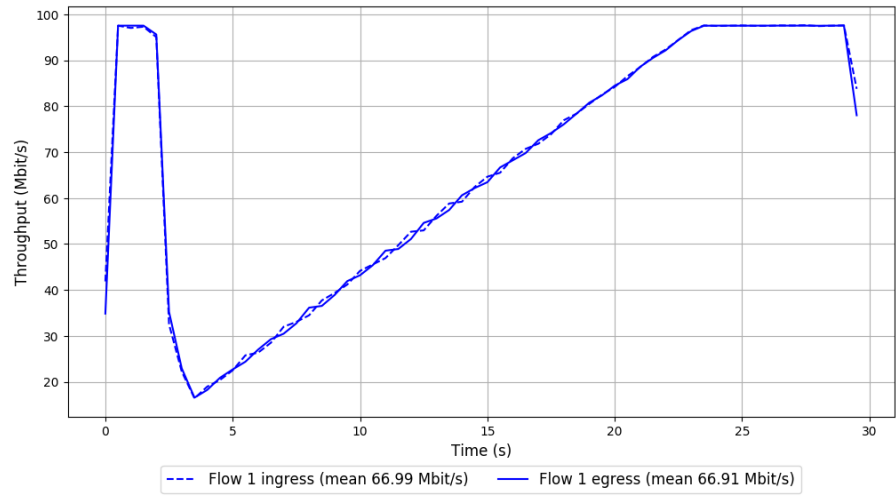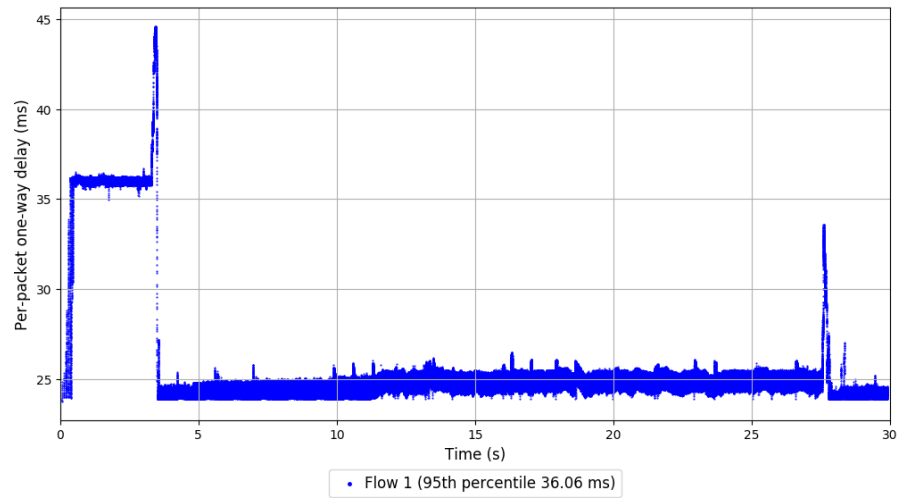
Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 66.99 Mbit/s)   Flow 1 egress (mean 66.91 Mbit/s)

Flow 1 (95th percentile 33.41 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2017-11-30 10:38:36
End at: 2017-11-30 10:39:06
Local clock offset: -0.316 ms
Remote clock offset: 2.488 ms


# Below is generated by plot.py at 2017-11-30 15:16:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: 36.060 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: 36.060 ms
Loss rate: 0.15%
```
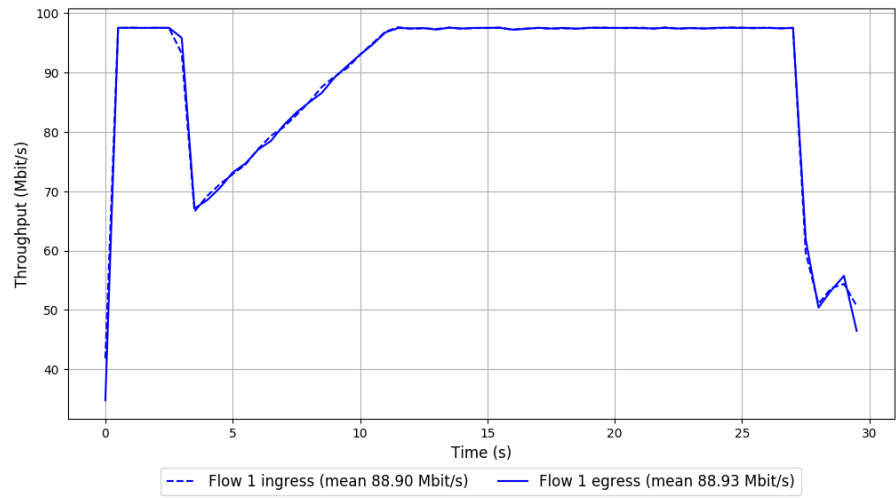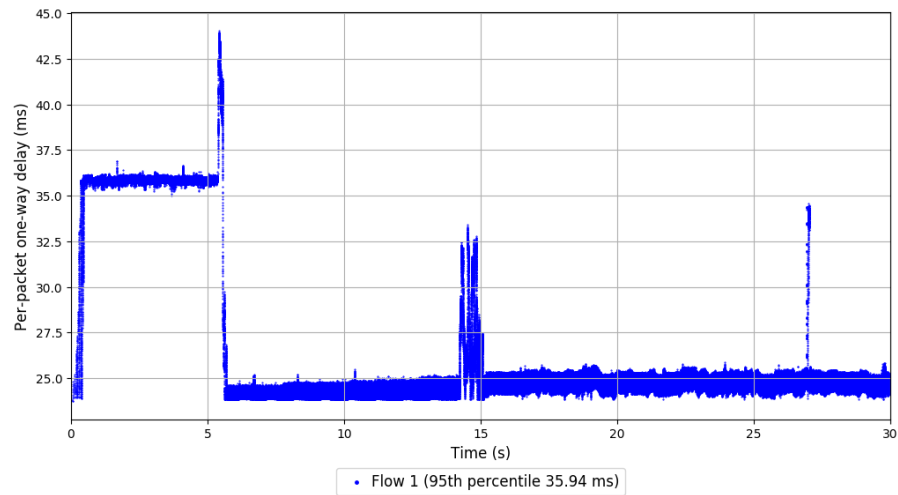
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 88.90 Mbit/s) —— Flow 1 egress (mean 88.93 Mbit/s)

• Flow 1 (95th percentile 36.06 ms)

```
Run 7: Statistics of TCP Vegas

Start at: 2017-11-30 10:57:22
End at: 2017-11-30 10:57:52
Local clock offset: -0.24 ms
Remote clock offset: 1.844 ms


# Below is generated by plot.py at 2017-11-30 15:16:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.25 Mbit/s
95th percentile per-packet one-way delay: 35.936 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 91.25 Mbit/s
95th percentile per-packet one-way delay: 35.936 ms
Loss rate: 0.20%
```
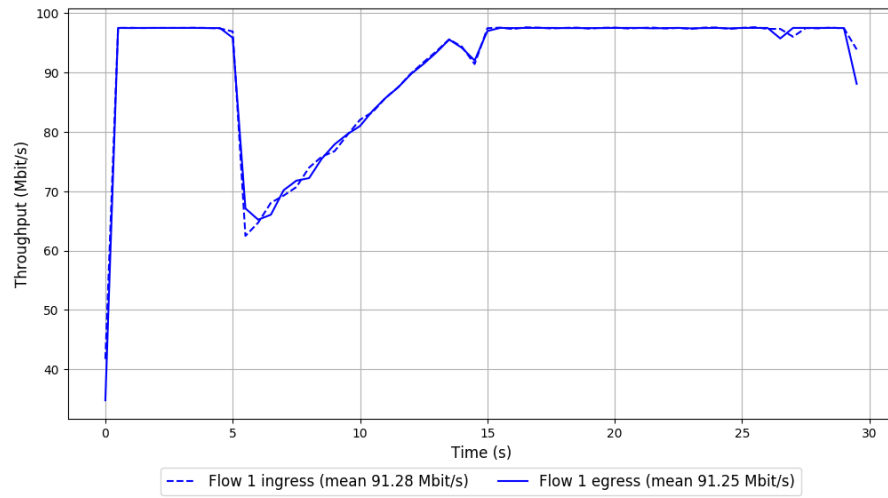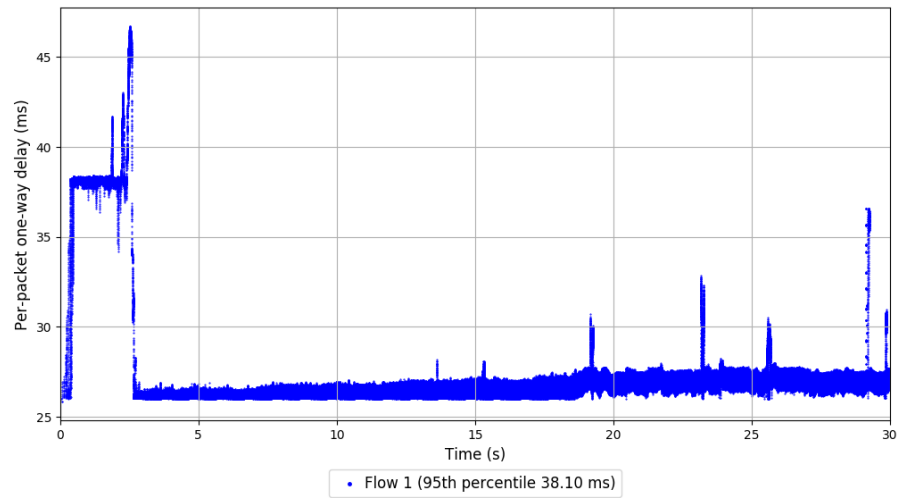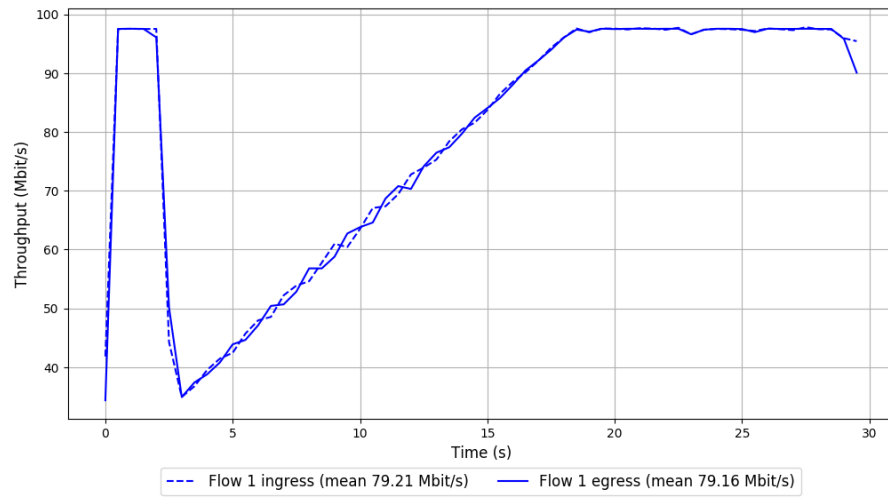
Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: 2017-11-30 11:16:03
End at: 2017-11-30 11:16:33
Local clock offset: -0.247 ms
Remote clock offset: -0.539 ms


# Below is generated by plot.py at 2017-11-30 15:16:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.16 Mbit/s
95th percentile per-packet one-way delay: 38.104 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 79.16 Mbit/s
95th percentile per-packet one-way delay: 38.104 ms
Loss rate: 0.24%
```

Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 79.21 Mbit/s) — Flow 1 egress (mean 79.16 Mbit/s)

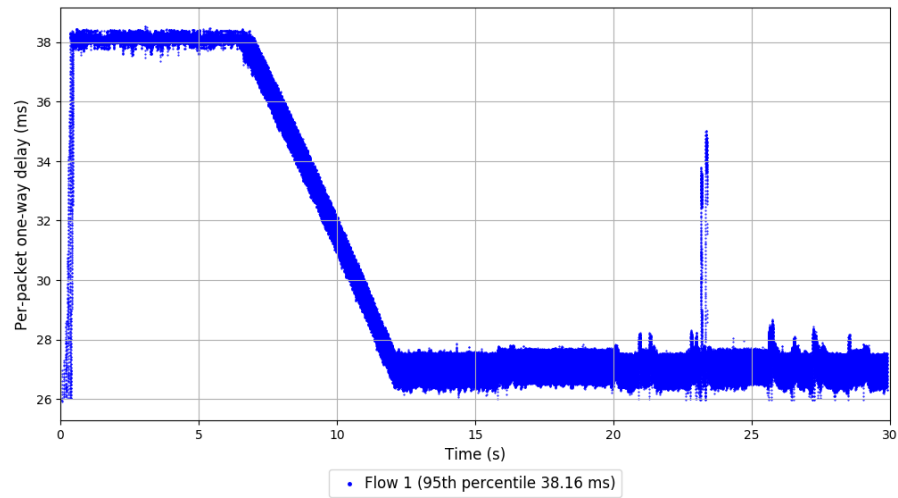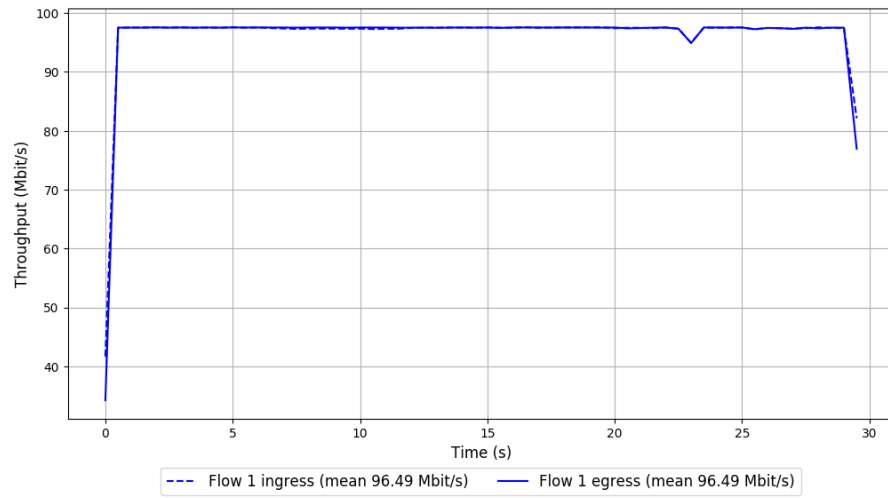

• Flow 1 (95th percentile 38.10 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2017-11-30 11:34:38
End at: 2017-11-30 11:35:08
Local clock offset: -0.098 ms
Remote clock offset: -1.783 ms


# Below is generated by plot.py at 2017-11-30 15:16:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 38.158 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 96.49 Mbit/s
95th percentile per-packet one-way delay: 38.158 ms
Loss rate: 0.18%
```

Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.49 Mbit/s) ----- Flow 1 egress (mean 96.49 Mbit/s)
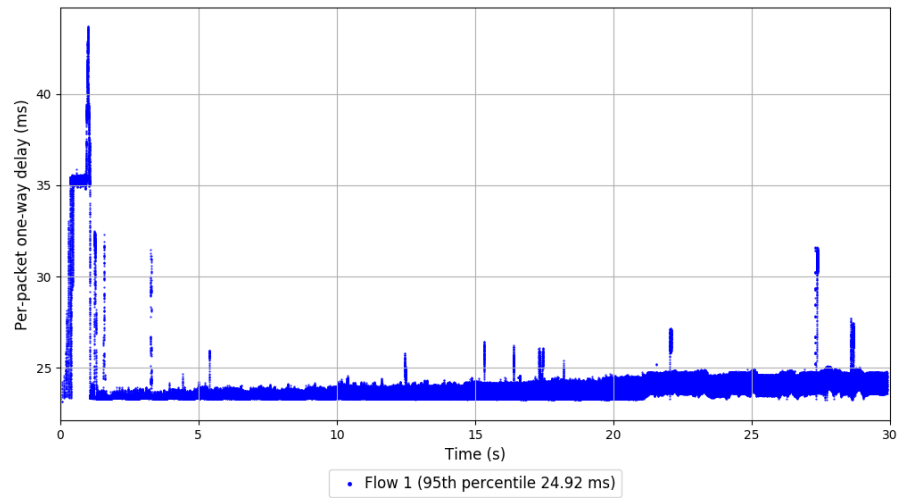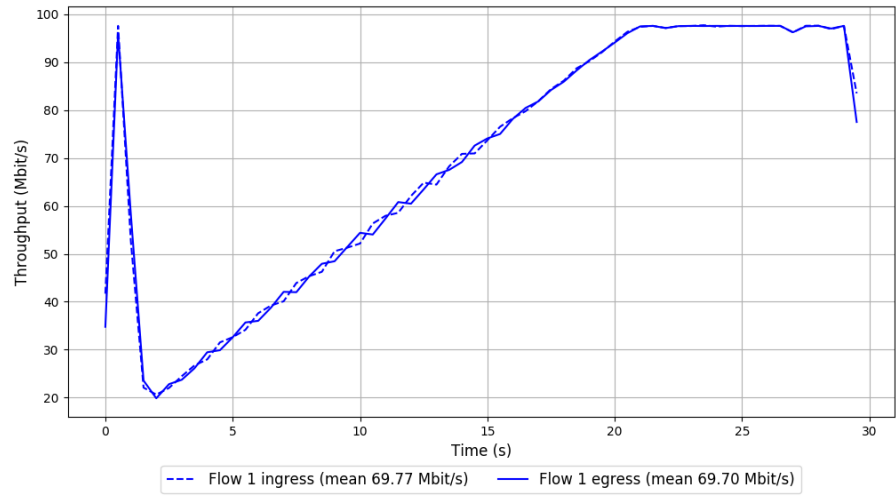

• Flow 1 (95th percentile 38.16 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2017-11-30 11:53:19
End at: 2017-11-30 11:53:49
Local clock offset: -0.117 ms
Remote clock offset: -0.206 ms


# Below is generated by plot.py at 2017-11-30 15:16:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 24.922 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 69.70 Mbit/s
95th percentile per-packet one-way delay: 24.922 ms
Loss rate: 0.28%
```

Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 69.77 Mbit/s)   Flow 1 egress (mean 69.70 Mbit/s)

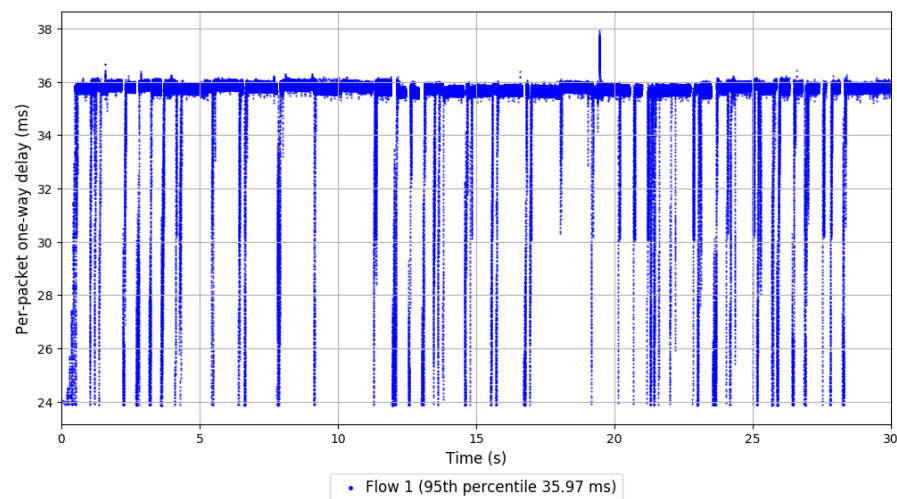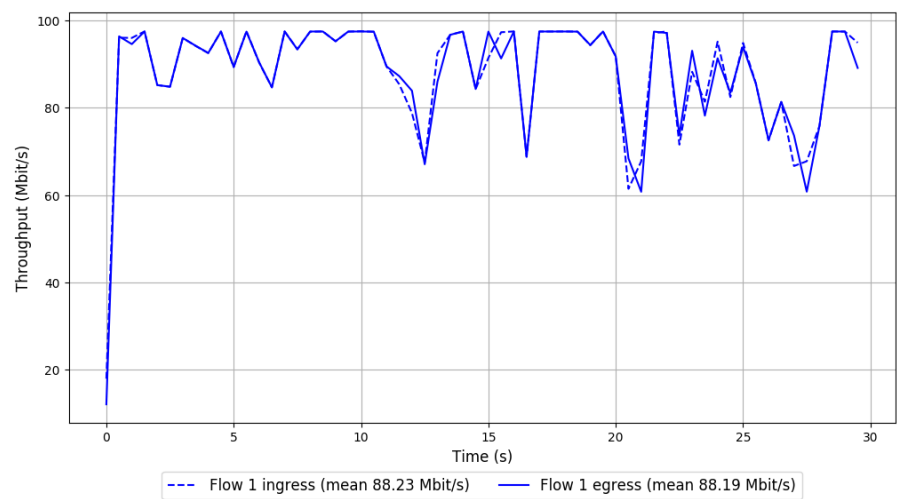

Flow 1 (95th percentile 24.92 ms)

```
Run 1: Statistics of Verus

Start at: 2017-11-30 08:54:42
End at: 2017-11-30 08:55:12
Local clock offset: -1.18 ms
Remote clock offset: -0.266 ms


# Below is generated by plot.py at 2017-11-30 15:17:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.19 Mbit/s
95th percentile per-packet one-way delay: 35.967 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 88.19 Mbit/s
95th percentile per-packet one-way delay: 35.967 ms
Loss rate: 0.24%
```

Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2017-11-30 09:13:22
End at: 2017-11-30 09:13:52
Local clock offset: -0.782 ms
Remote clock offset: -1.71 ms


# Below is generated by plot.py at 2017-11-30 15:17:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 42.940 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 42.940 ms
Loss rate: 0.44%
```
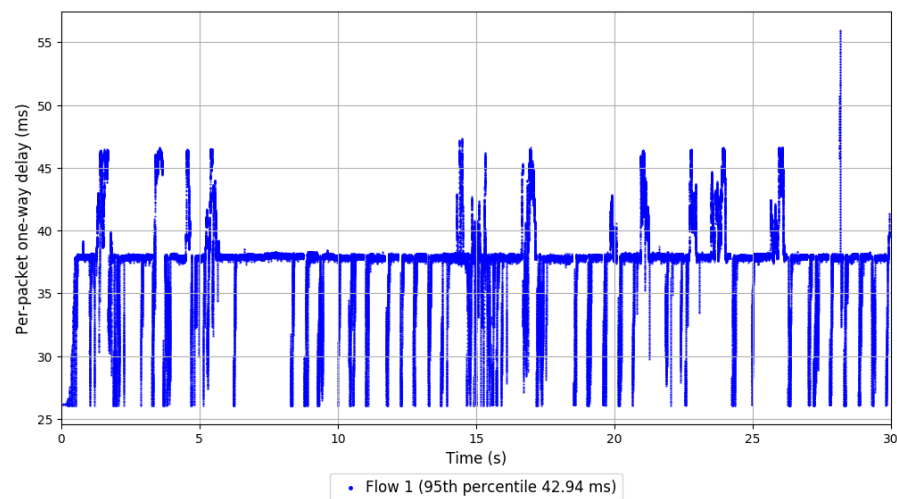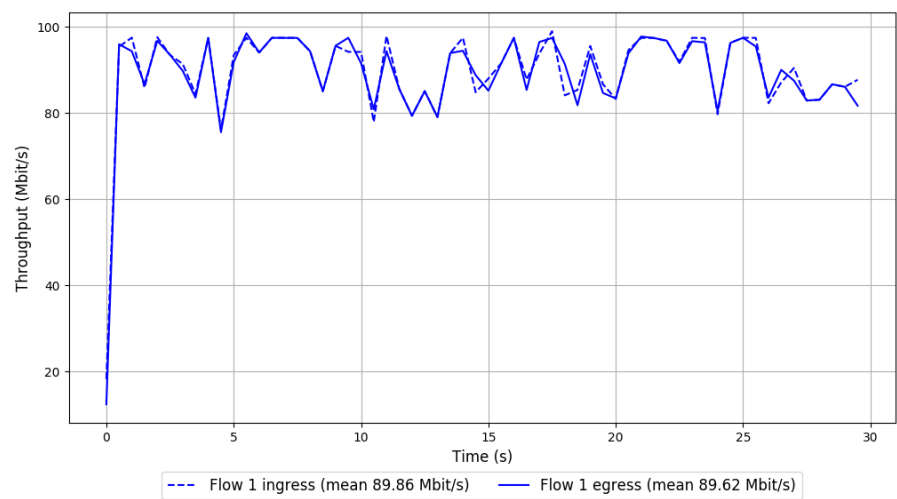
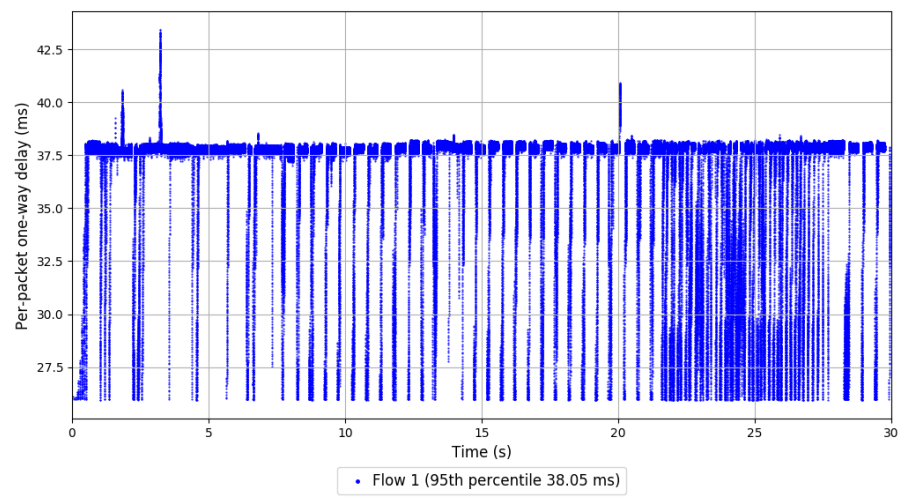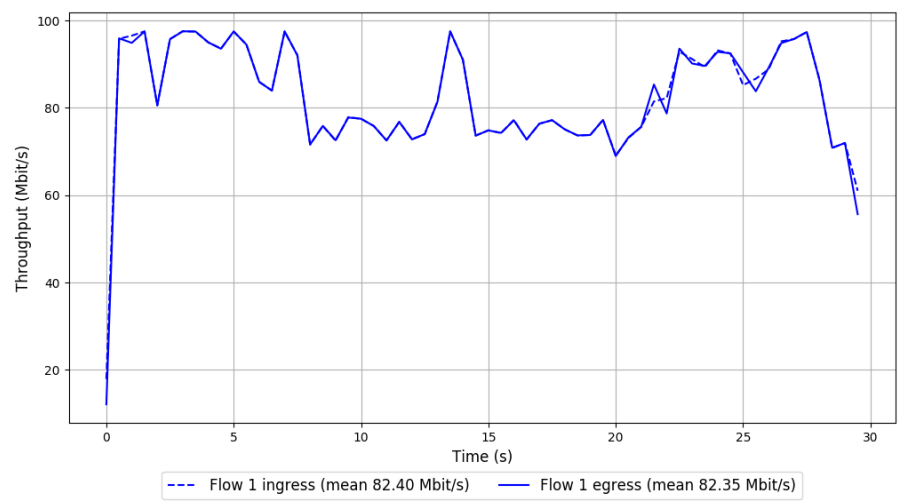Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2017-11-30 09:32:08
End at: 2017-11-30 09:32:38
Local clock offset: -0.668 ms
Remote clock offset: -0.882 ms


# Below is generated by plot.py at 2017-11-30 15:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.35 Mbit/s
95th percentile per-packet one-way delay: 38.045 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 82.35 Mbit/s
95th percentile per-packet one-way delay: 38.045 ms
Loss rate: 0.26%
```
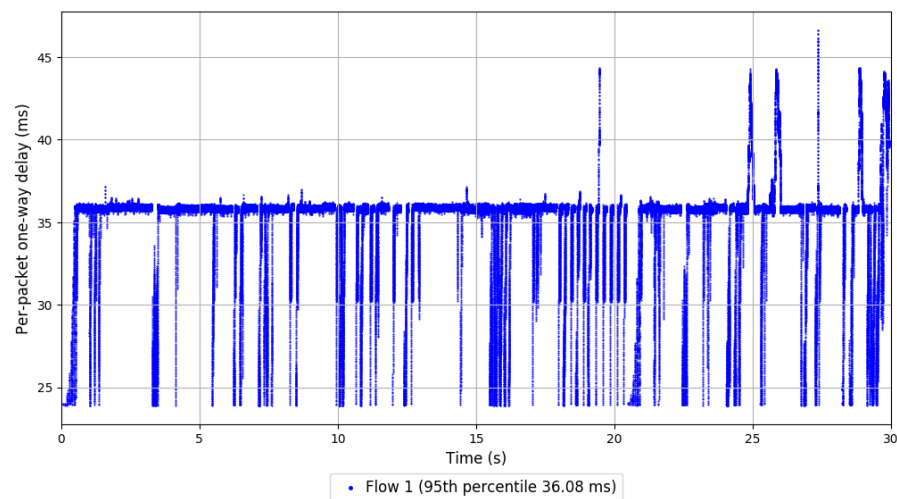
Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 82.40 Mbit/s) — — — Flow 1 egress (mean 82.35 Mbit/s)

Flow 1 (95th percentile 38.05 ms)

```
Run 4: Statistics of Verus

Start at: 2017-11-30 09:50:43
End at: 2017-11-30 09:51:13
Local clock offset: -0.541 ms
Remote clock offset: 1.856 ms


# Below is generated by plot.py at 2017-11-30 15:17:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 36.081 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 84.76 Mbit/s
95th percentile per-packet one-way delay: 36.081 ms
Loss rate: 0.26%
```
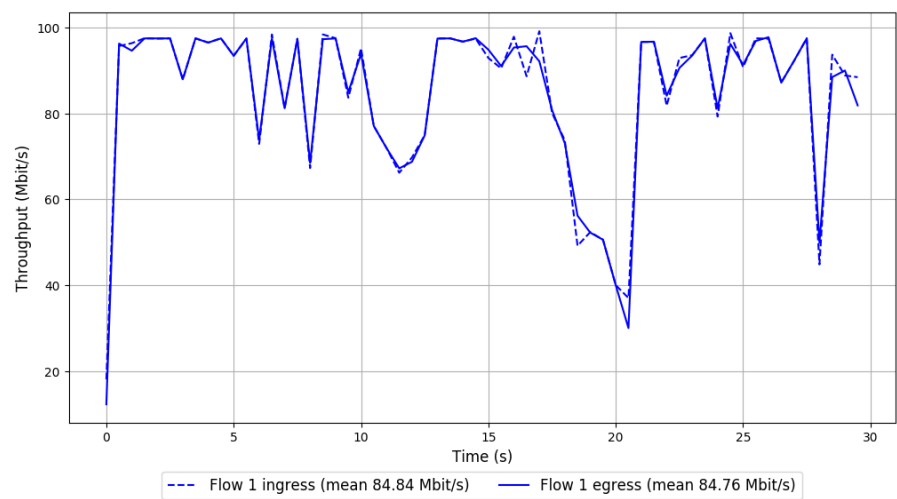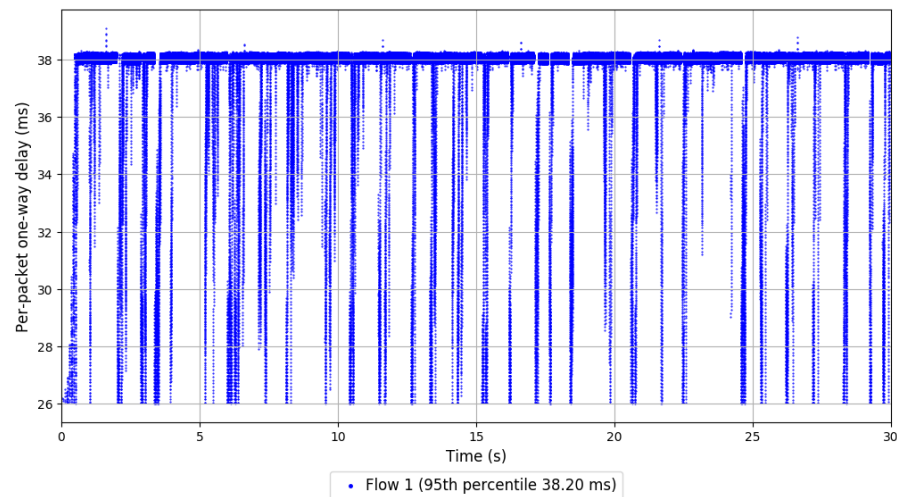
Run 4: Report of Verus — Data Link

Flow 1 ingress (mean 84.84 Mbit/s)   Flow 1 egress (mean 84.76 Mbit/s)

• Flow 1 (95th percentile 36.08 ms)

```
Run 5: Statistics of Verus

Start at: 2017-11-30 10:09:23
End at: 2017-11-30 10:09:53
Local clock offset: -0.381 ms
Remote clock offset: 0.203 ms


# Below is generated by plot.py at 2017-11-30 15:17:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 38.205 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 93.24 Mbit/s
95th percentile per-packet one-way delay: 38.205 ms
Loss rate: 0.23%
```
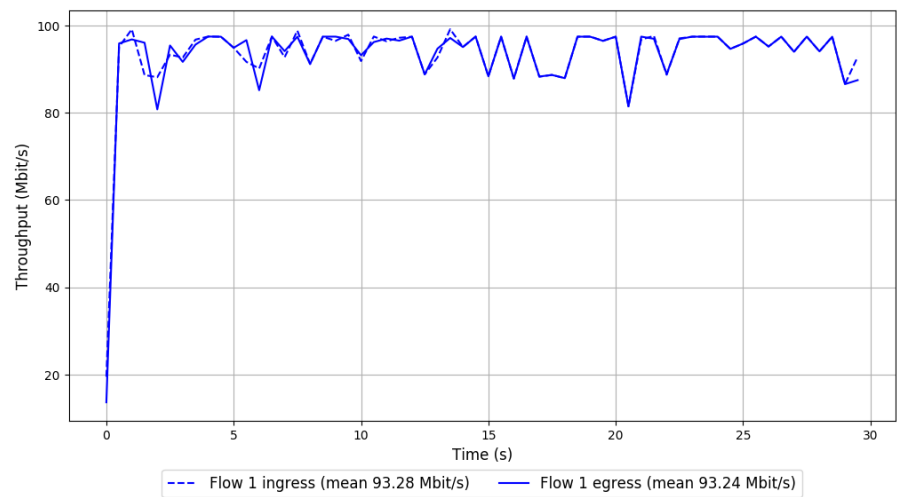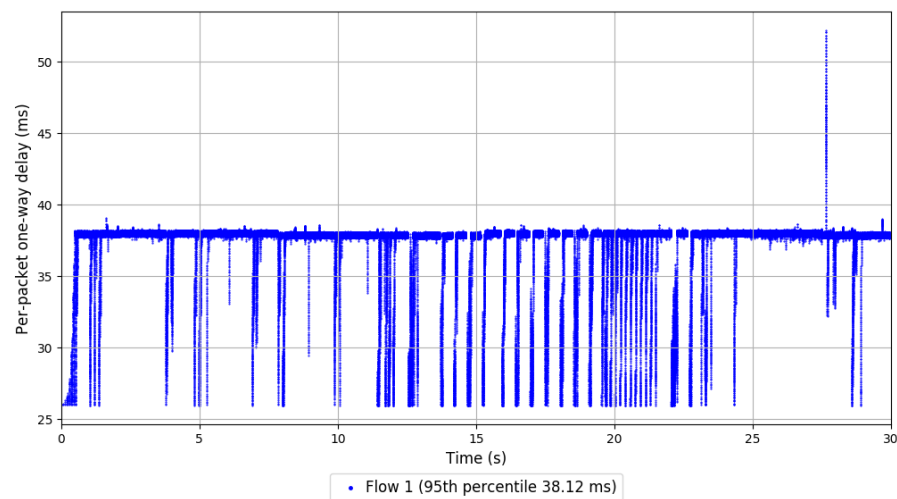
Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 93.28 Mbit/s)   Flow 1 egress (mean 93.24 Mbit/s)

• Flow 1 (95th percentile 38.20 ms)

```
Run 6: Statistics of Verus

Start at: 2017-11-30 10:28:04
End at: 2017-11-30 10:28:34
Local clock offset: -0.466 ms
Remote clock offset: 0.259 ms


# Below is generated by plot.py at 2017-11-30 15:17:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.58 Mbit/s
95th percentile per-packet one-way delay: 38.120 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 91.58 Mbit/s
95th percentile per-packet one-way delay: 38.120 ms
Loss rate: 0.23%
```
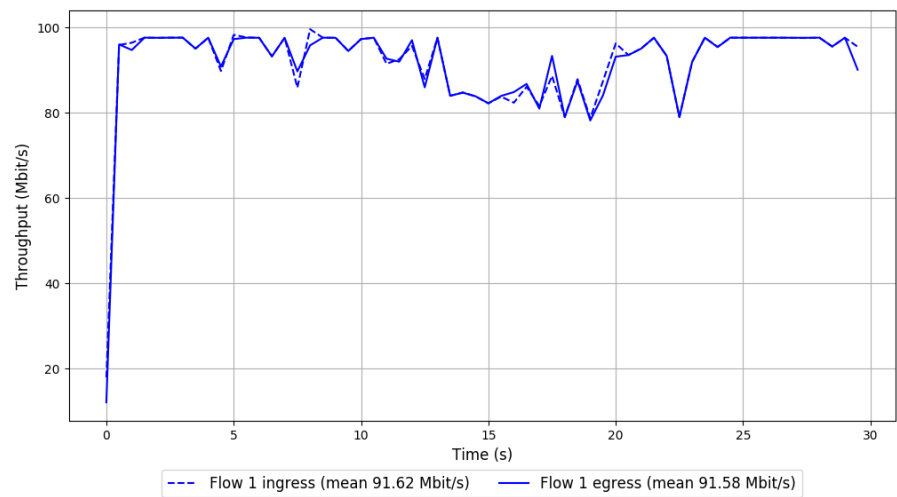
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2017-11-30 10:46:46
End at: 2017-11-30 10:47:16
Local clock offset: -0.385 ms
Remote clock offset: 2.846 ms


# Below is generated by plot.py at 2017-11-30 15:18:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 35.311 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 35.311 ms
Loss rate: 0.24%
```
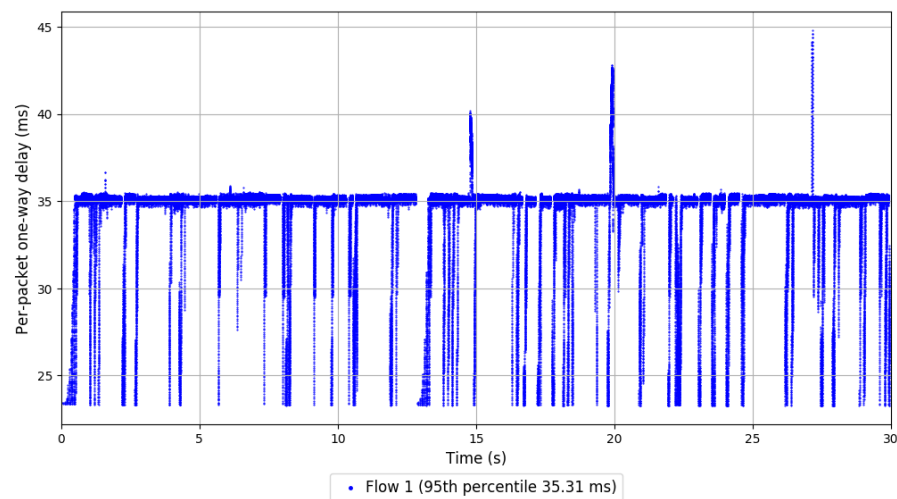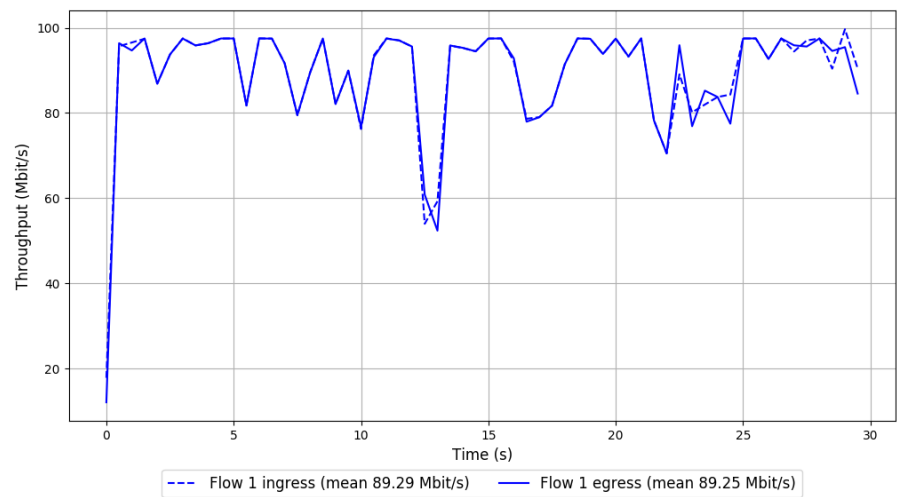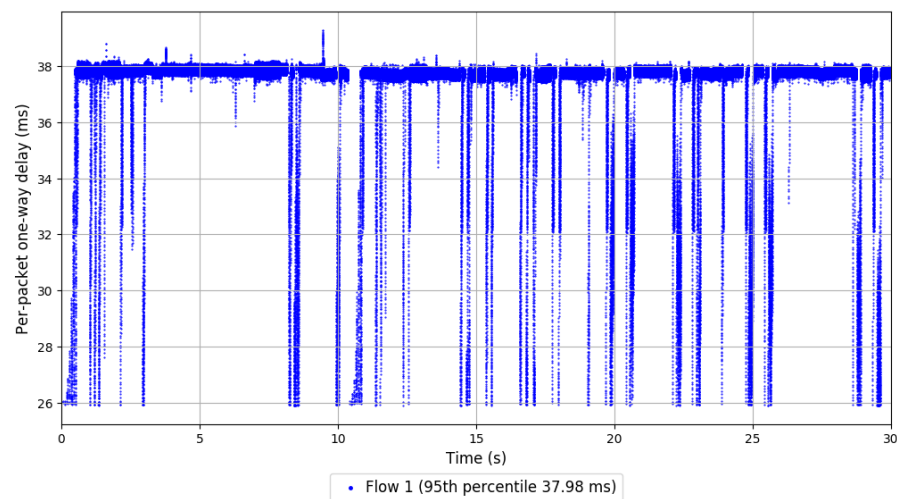
Run 7: Report of Verus — Data Link

Flow 1 ingress (mean 89.29 Mbit/s) ----- Flow 1 egress (mean 89.25 Mbit/s)

• Flow 1 (95th percentile 35.31 ms)

```
Run 8: Statistics of Verus

Start at: 2017-11-30 11:05:30
End at: 2017-11-30 11:06:00
Local clock offset: -0.325 ms
Remote clock offset: -0.42 ms


# Below is generated by plot.py at 2017-11-30 15:18:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.36 Mbit/s
95th percentile per-packet one-way delay: 37.983 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 89.36 Mbit/s
95th percentile per-packet one-way delay: 37.983 ms
Loss rate: 0.24%
```
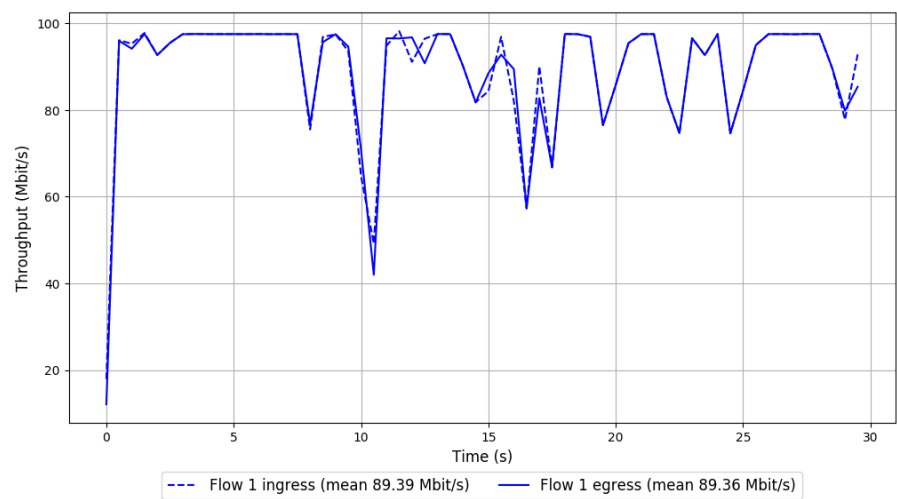
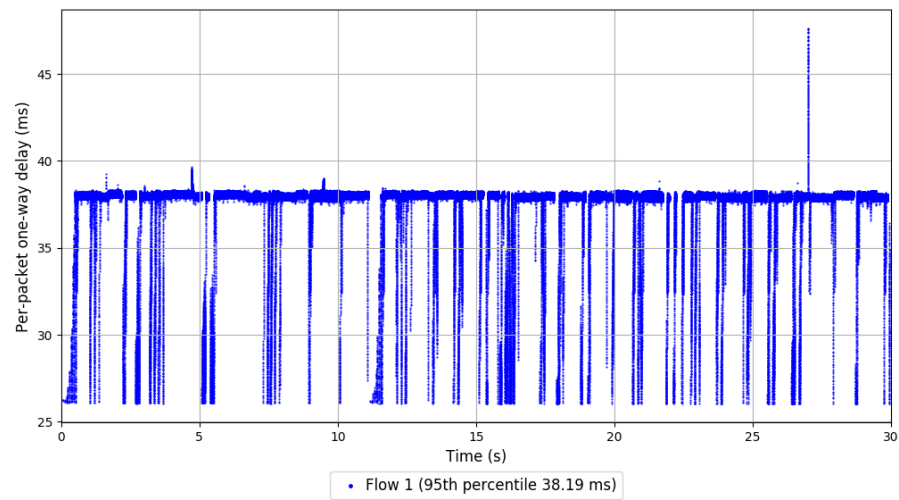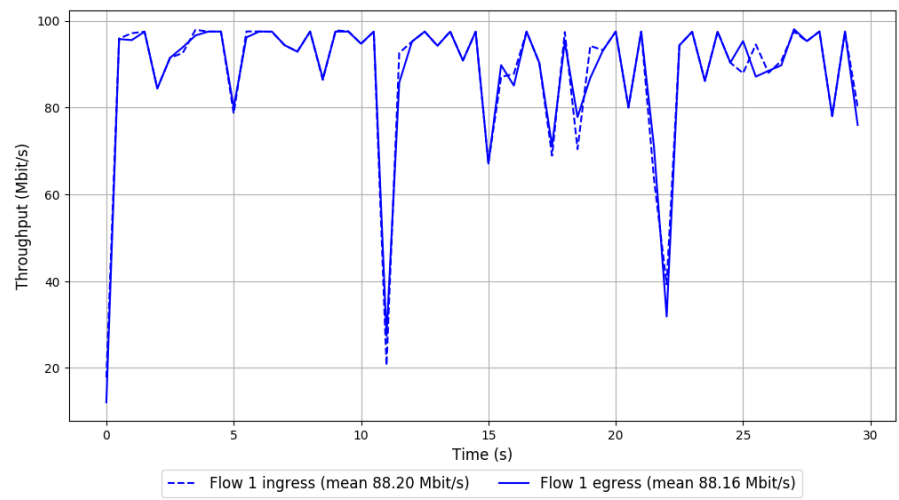## Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2017-11-30 11:24:06
End at: 2017-11-30 11:24:37
Local clock offset: -0.101 ms
Remote clock offset: -0.535 ms


# Below is generated by plot.py at 2017-11-30 15:18:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 38.185 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 88.16 Mbit/s
95th percentile per-packet one-way delay: 38.185 ms
Loss rate: 0.22%
```
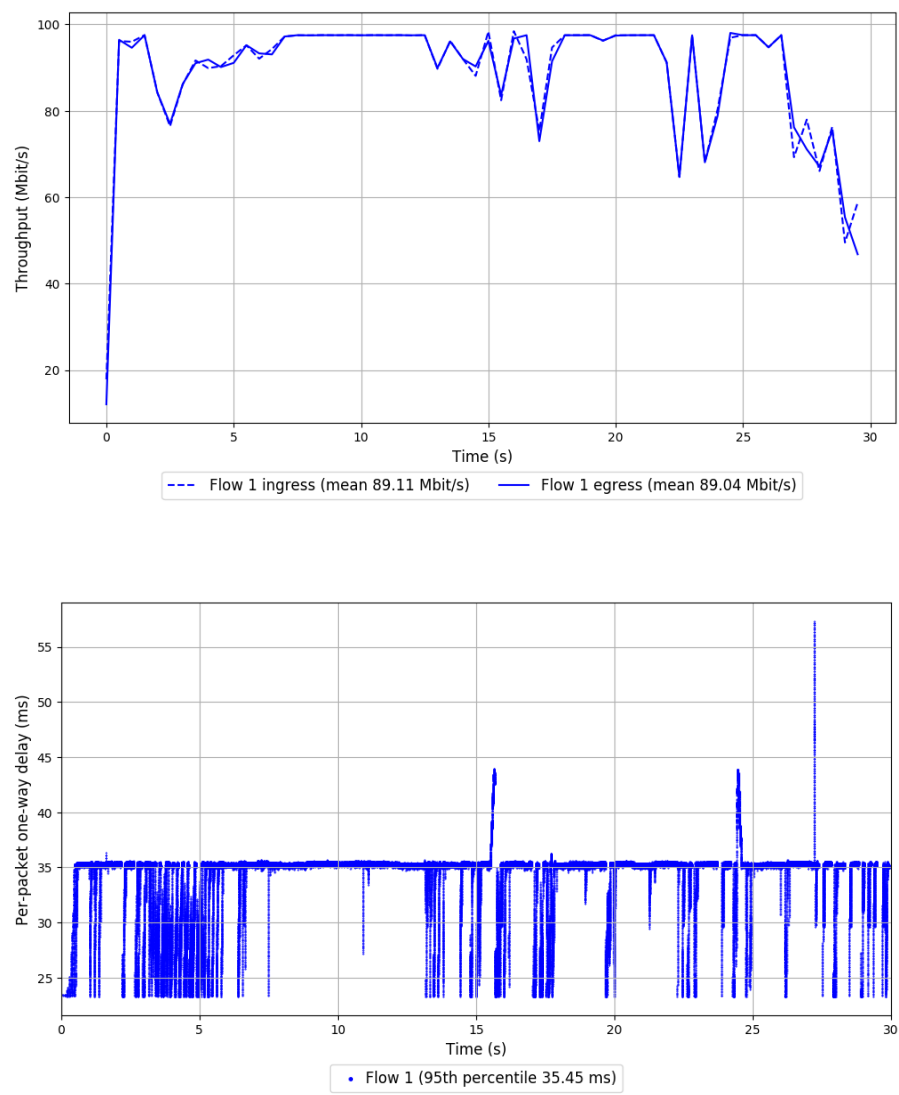
Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 88.20 Mbit/s) — Flow 1 egress (mean 88.16 Mbit/s)

Flow 1 (95th percentile 38.19 ms)

```
Run 10: Statistics of Verus

Start at: 2017-11-30 11:42:43
End at: 2017-11-30 11:43:13
Local clock offset: -0.154 ms
Remote clock offset: 0.304 ms


# Below is generated by plot.py at 2017-11-30 15:18:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 35.453 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 89.04 Mbit/s
95th percentile per-packet one-way delay: 35.453 ms
Loss rate: 0.25%
```

Run 10: Report of Verus — Data Link

Flow 1 ingress (mean 89.11 Mbit/s) --- Flow 1 egress (mean 89.04 Mbit/s)

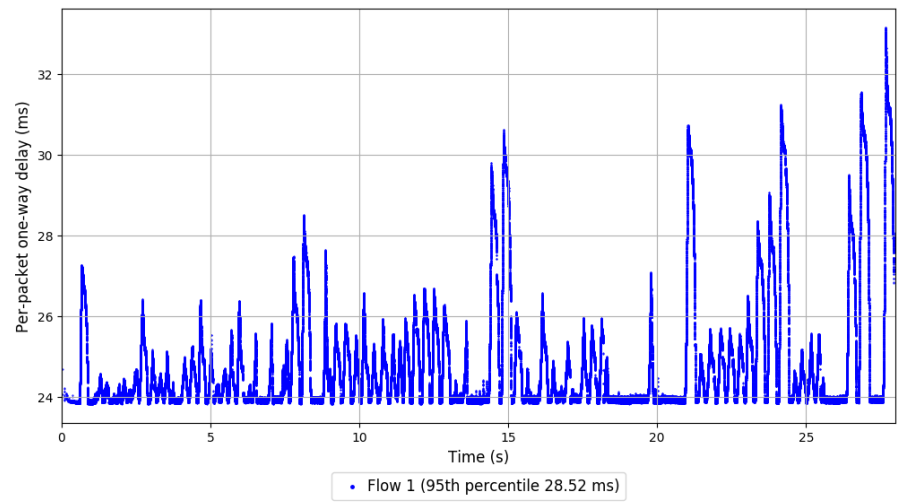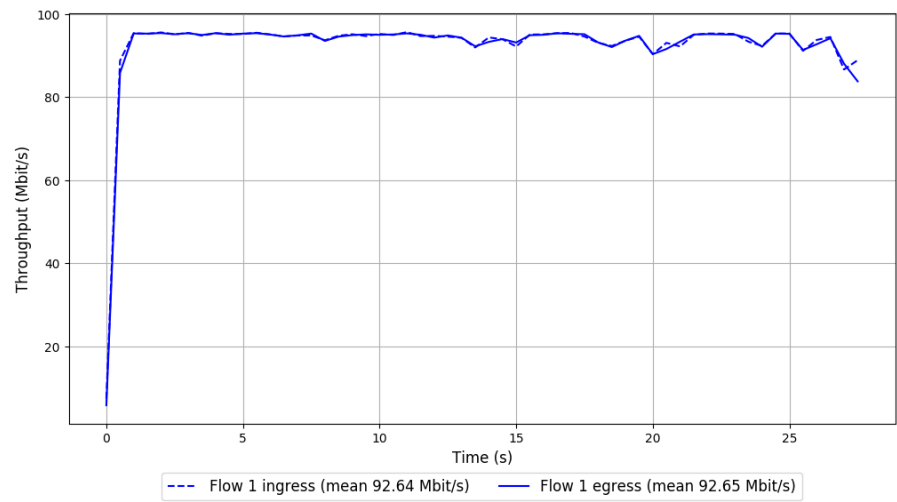Flow 1 (95th percentile 35.45 ms)

```
Run 1: Statistics of Copa

Start at: 2017-11-30 08:49:15
End at: 2017-11-30 08:49:45
Local clock offset: -1.272 ms
Remote clock offset: -0.529 ms


# Below is generated by plot.py at 2017-11-30 15:19:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 28.522 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 92.65 Mbit/s
95th percentile per-packet one-way delay: 28.522 ms
Loss rate: 0.18%
```
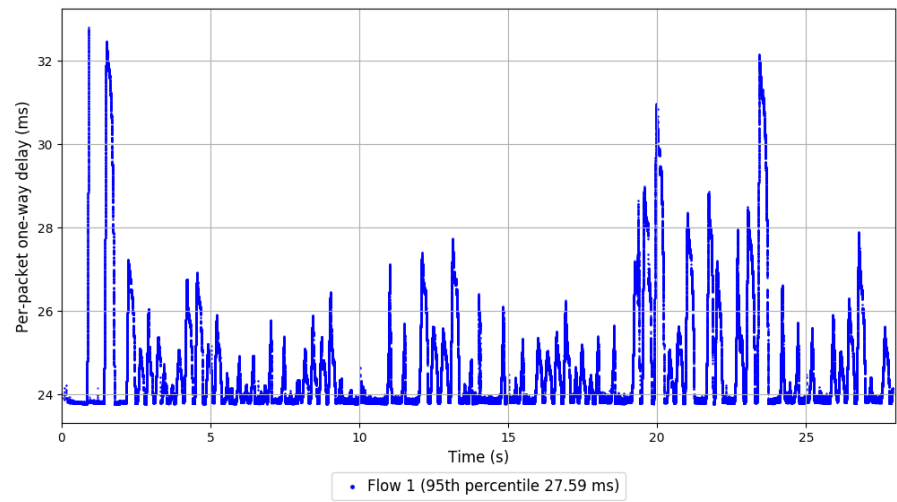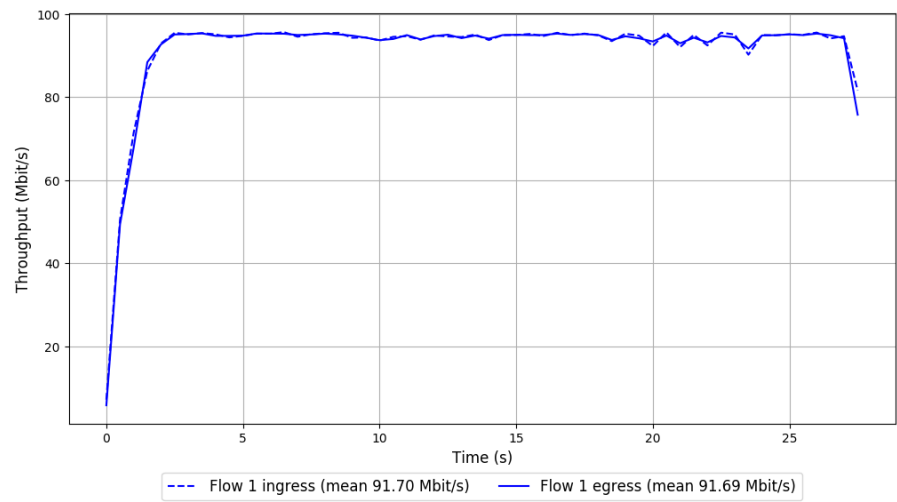
Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2017-11-30 09:07:57
End at: 2017-11-30 09:08:27
Local clock offset: -0.979 ms
Remote clock offset: 0.219 ms


# Below is generated by plot.py at 2017-11-30 15:19:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 27.585 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 27.585 ms
Loss rate: 0.20%
```

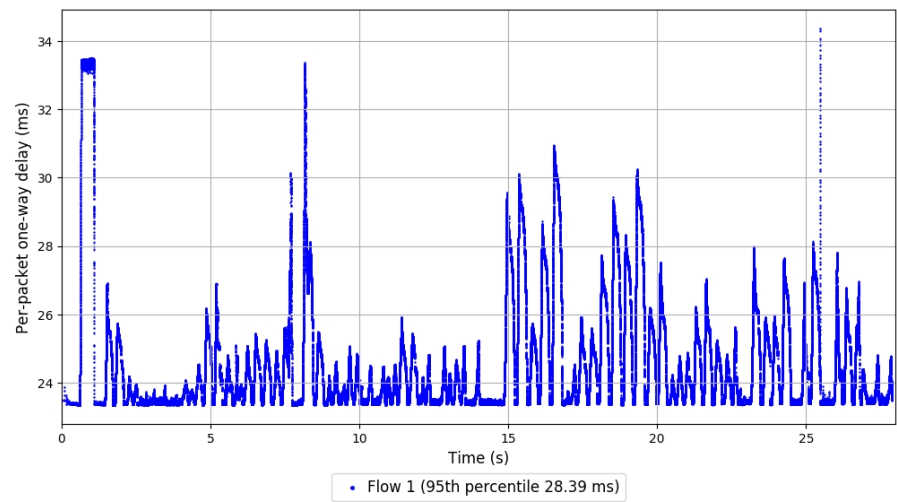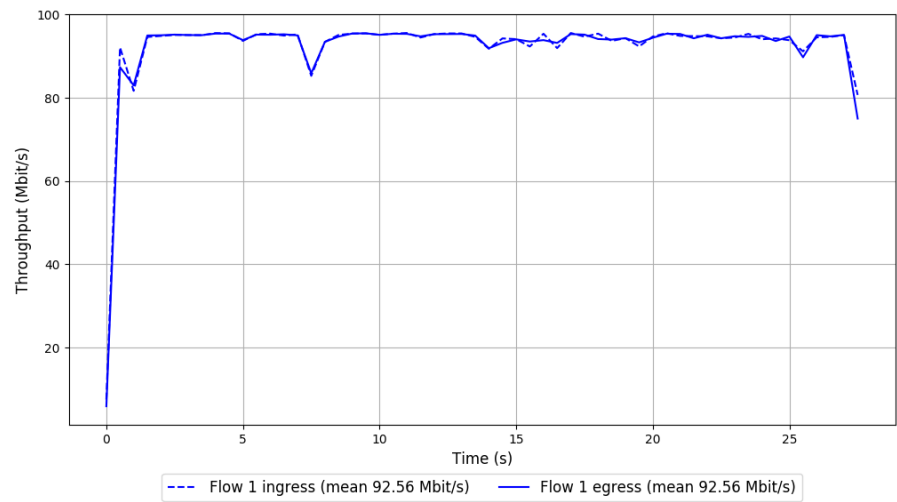Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2017-11-30 09:26:43
End at: 2017-11-30 09:27:13
Local clock offset: -0.706 ms
Remote clock offset: 1.506 ms


# Below is generated by plot.py at 2017-11-30 15:20:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 28.395 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 28.395 ms
Loss rate: 0.20%
```

Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 92.56 Mbit/s) — — — Flow 1 egress (mean 92.56 Mbit/s)

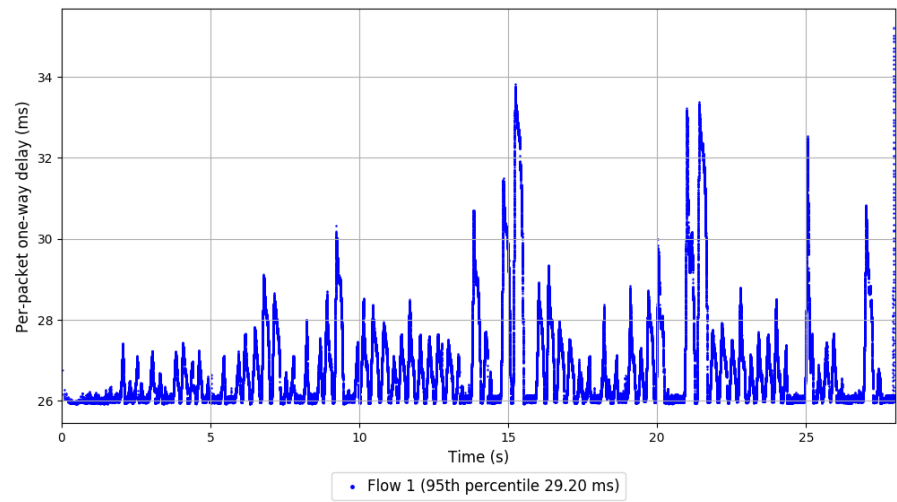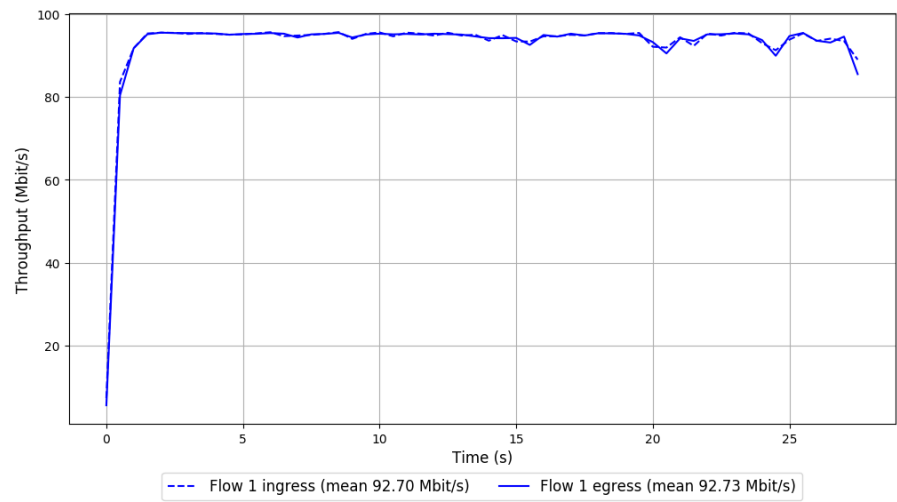· Flow 1 (95th percentile 28.39 ms)

```
Run 4: Statistics of Copa

Start at: 2017-11-30 09:45:17
End at: 2017-11-30 09:45:47
Local clock offset: -0.58 ms
Remote clock offset: -0.434 ms

# Below is generated by plot.py at 2017-11-30 15:20:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 29.202 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 29.202 ms
Loss rate: 0.16%
```
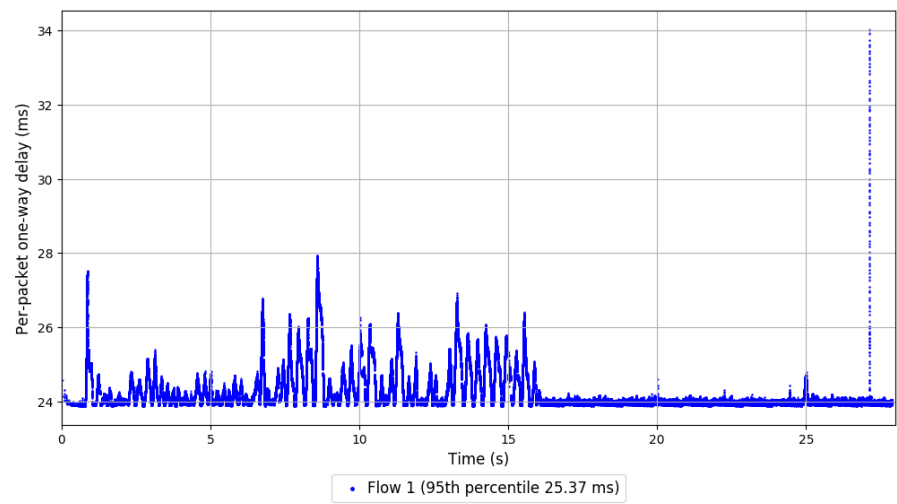
Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 92.70 Mbit/s) — — — Flow 1 egress (mean 92.73 Mbit/s)

• Flow 1 (95th percentile 29.20 ms)

```
Run 5: Statistics of Copa

Start at: 2017-11-30 10:03:57
End at: 2017-11-30 10:04:27
Local clock offset: -0.377 ms
Remote clock offset: 2.302 ms


# Below is generated by plot.py at 2017-11-30 15:20:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 25.370 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 25.370 ms
Loss rate: 0.19%
```
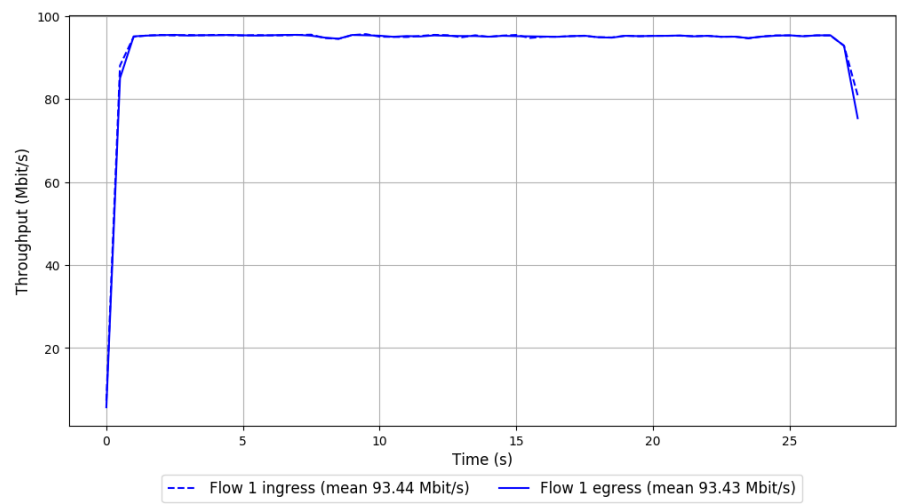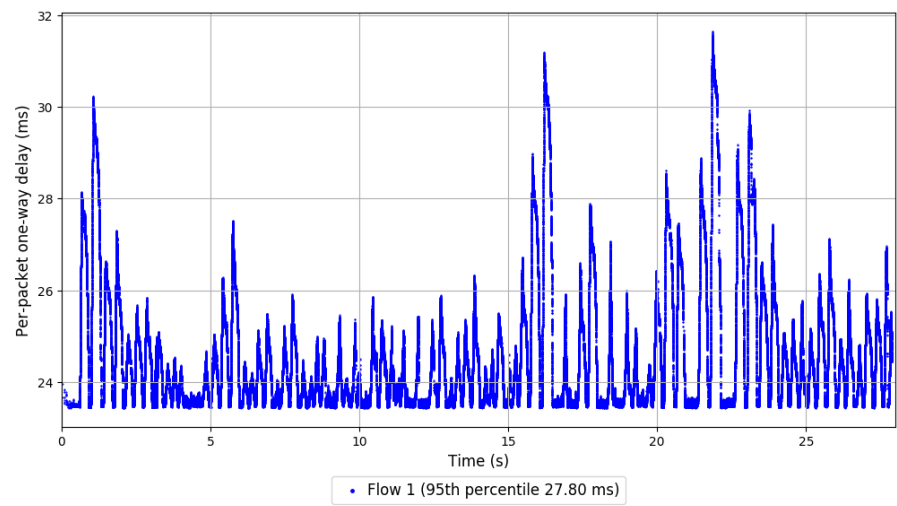
Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2017-11-30 10:22:39
End at: 2017-11-30 10:23:09
Local clock offset: -0.38 ms
Remote clock offset: 2.773 ms


# Below is generated by plot.py at 2017-11-30 15:20:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 27.798 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 93.05 Mbit/s
95th percentile per-packet one-way delay: 27.798 ms
Loss rate: 0.19%
```
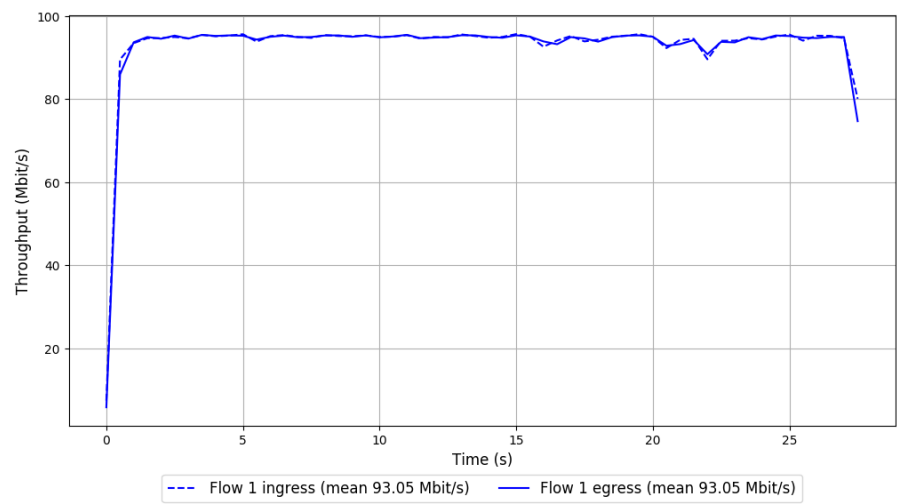
Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2017-11-30 10:41:17
End at: 2017-11-30 10:41:47
Local clock offset: -0.385 ms
Remote clock offset: 0.256 ms

# Below is generated by plot.py at 2017-11-30 15:20:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 29.009 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 29.009 ms
Loss rate: 0.21%
```
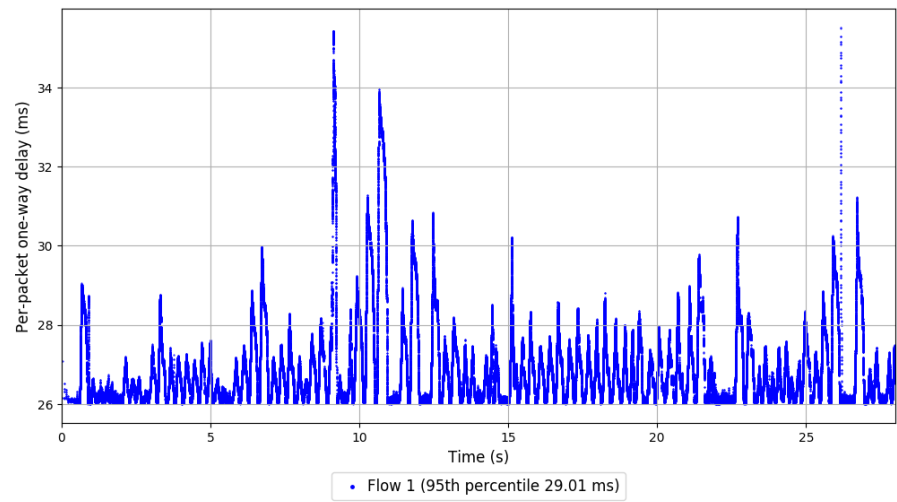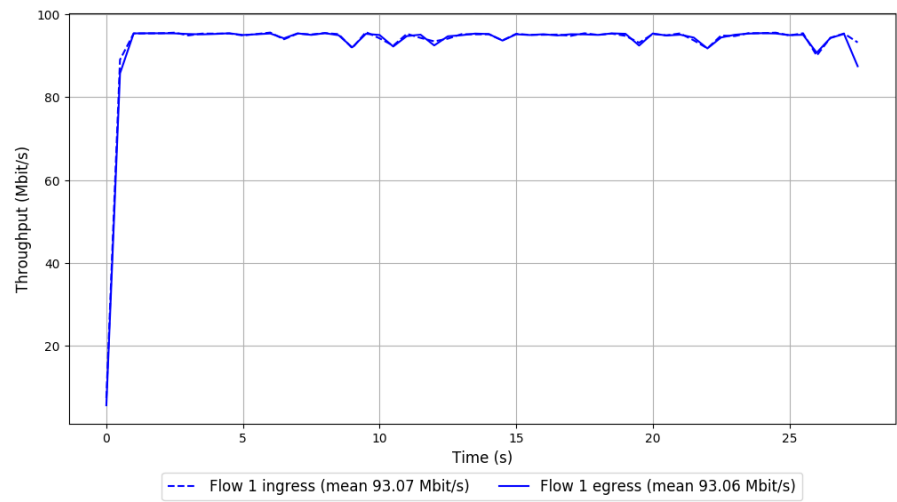
Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2017-11-30 11:00:03
End at: 2017-11-30 11:00:33
Local clock offset: -0.248 ms
Remote clock offset: 1.674 ms


# Below is generated by plot.py at 2017-11-30 15:20:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 26.119 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 26.119 ms
Loss rate: 0.20%
```
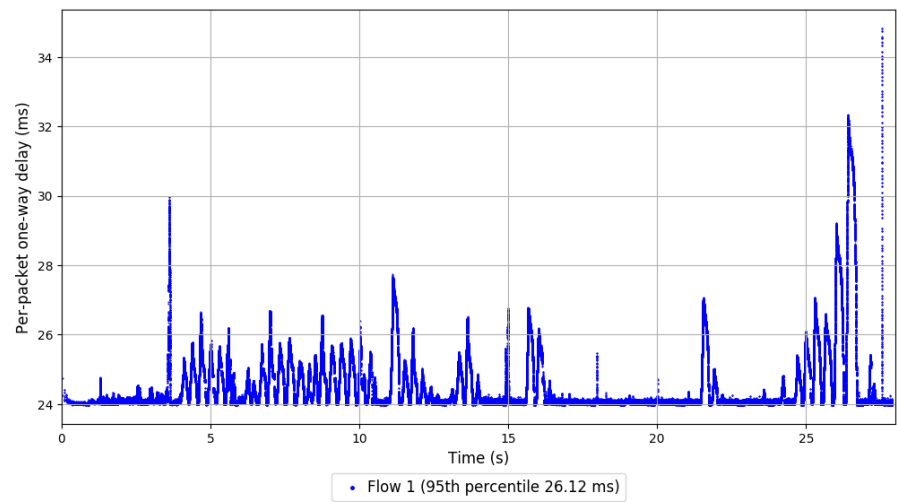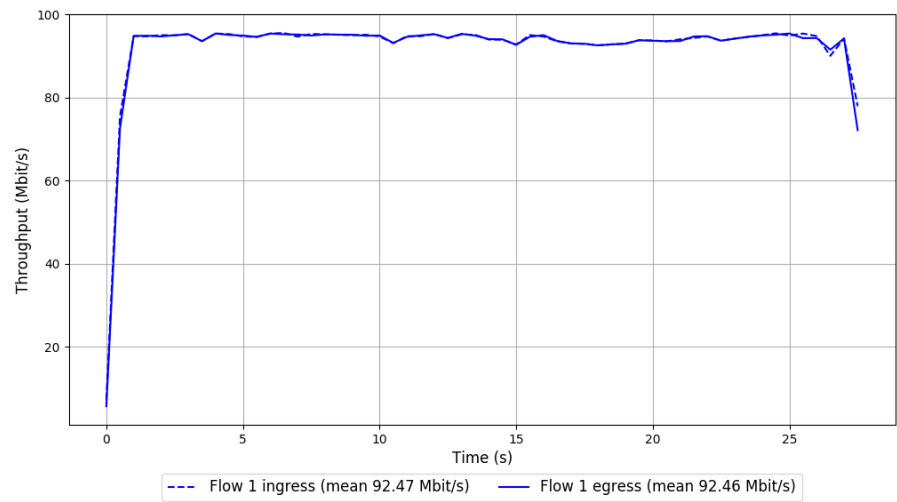
Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 92.47 Mbit/s) ----- Flow 1 egress (mean 92.46 Mbit/s)

• Flow 1 (95th percentile 26.12 ms)

239

```
Run 9: Statistics of Copa

Start at: 2017-11-30 11:18:42
End at: 2017-11-30 11:19:12
Local clock offset: -0.217 ms
Remote clock offset: 1.68 ms


# Below is generated by plot.py at 2017-11-30 15:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: 26.907 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 93.01 Mbit/s
95th percentile per-packet one-way delay: 26.907 ms
Loss rate: 0.19%
```
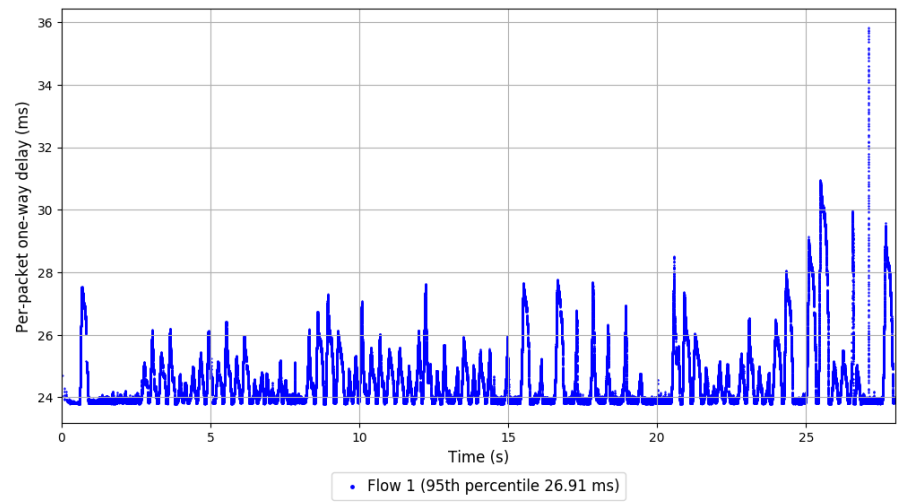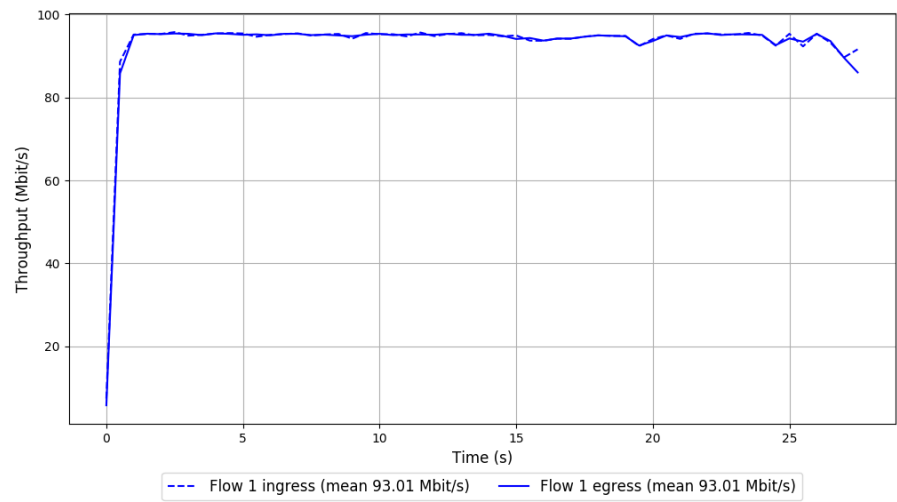
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 93.01 Mbit/s)   Flow 1 egress (mean 93.01 Mbit/s)

Flow 1 (95th percentile 26.91 ms)

```
Run 10: Statistics of Copa

Start at: 2017-11-30 11:37:18
End at: 2017-11-30 11:37:48
Local clock offset: -0.13 ms
Remote clock offset: 0.526 ms


# Below is generated by plot.py at 2017-11-30 15:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: 29.134 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: 29.134 ms
Loss rate: 0.19%
```
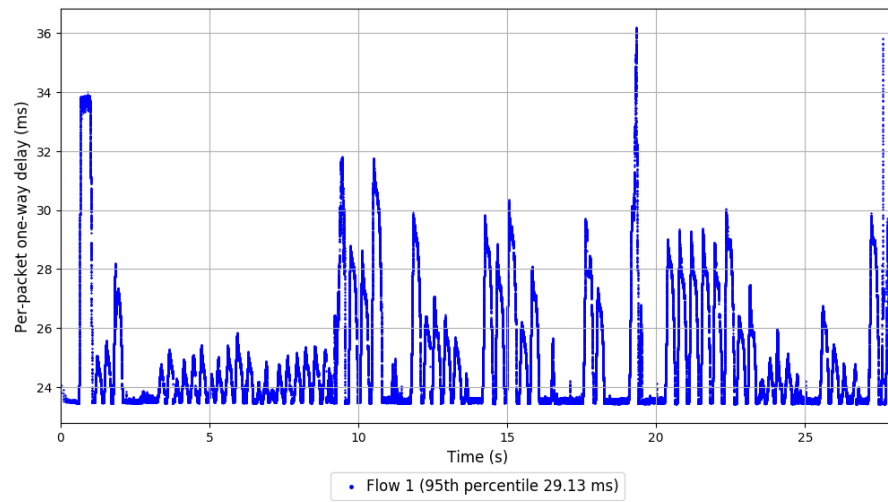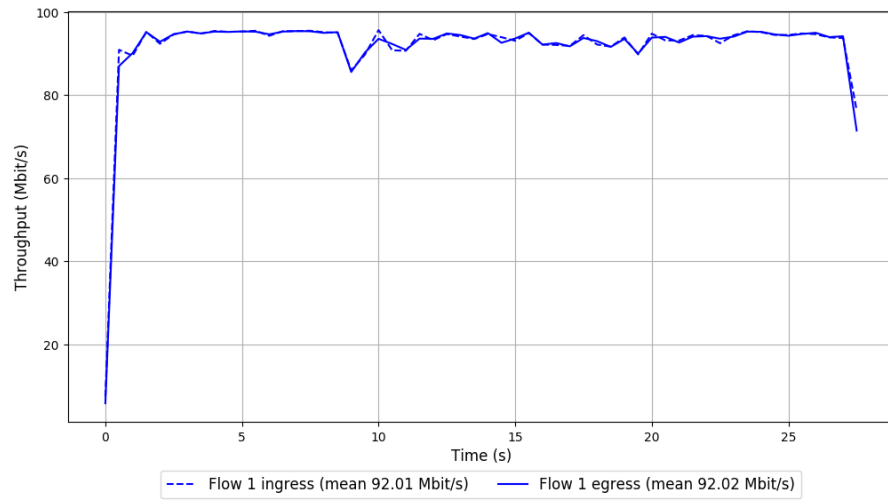
Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 92.01 Mbit/s) --- Flow 1 egress (mean 92.02 Mbit/s)

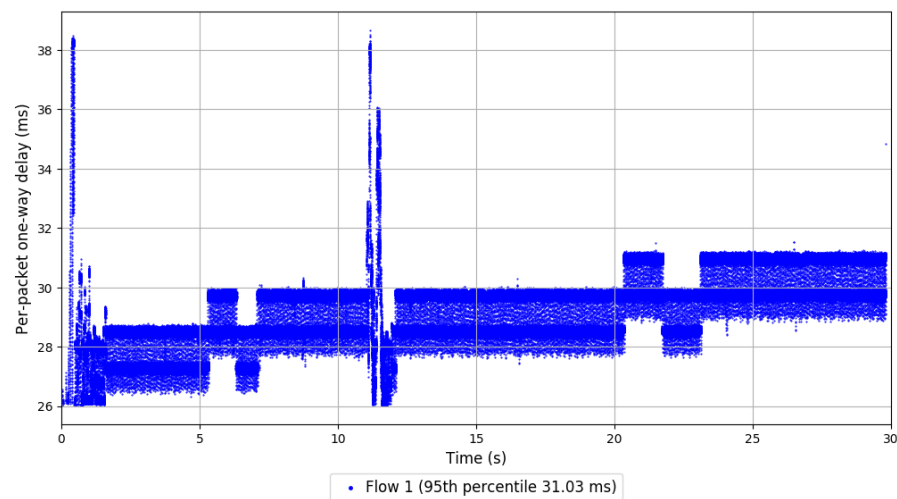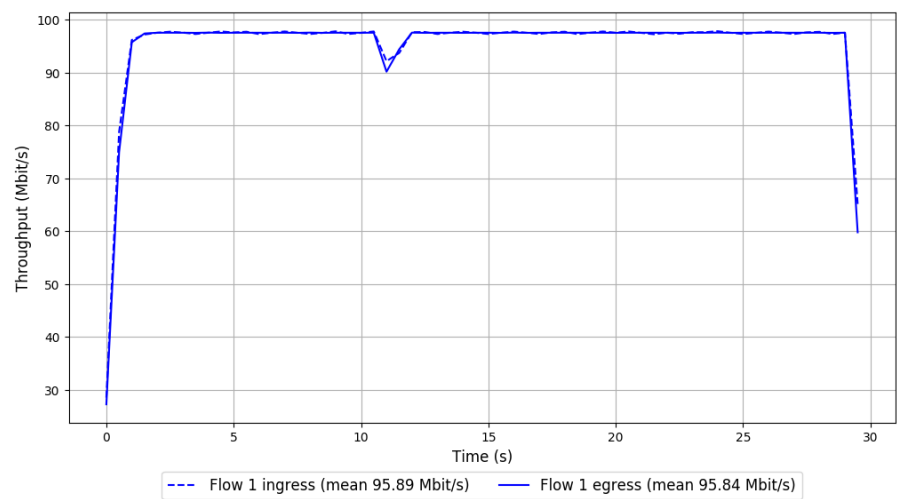· Flow 1 (95th percentile 29.13 ms)

```
Run 1: Statistics of Indigo

Start at: 2017-11-30 09:03:55
End at: 2017-11-30 09:04:25
Local clock offset: -0.964 ms
Remote clock offset: -2.154 ms


# Below is generated by plot.py at 2017-11-30 15:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 31.034 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 95.84 Mbit/s
95th percentile per-packet one-way delay: 31.034 ms
Loss rate: 0.22%
```

Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2017-11-30 09:22:40
End at: 2017-11-30 09:23:11
Local clock offset: -0.652 ms
Remote clock offset: 0.821 ms


# Below is generated by plot.py at 2017-11-30 15:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 28.919 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 28.919 ms
Loss rate: 0.19%
```
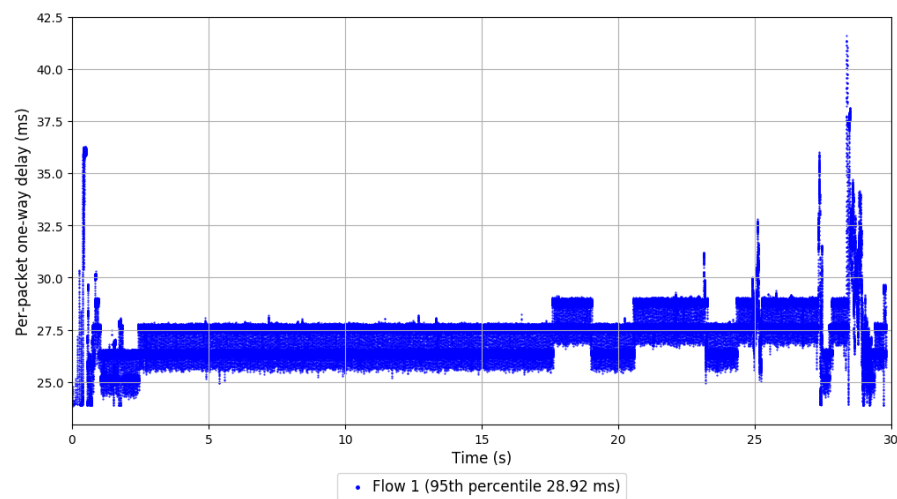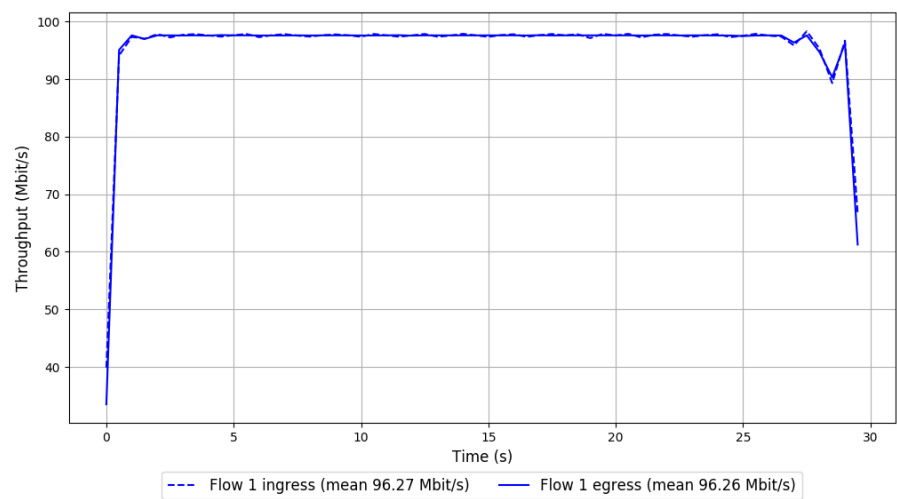
Run 2: Report of Indigo — Data Link

Flow 1 ingress (mean 96.27 Mbit/s)   Flow 1 egress (mean 96.26 Mbit/s)

Flow 1 (95th percentile 28.92 ms)

```
Run 3: Statistics of Indigo

Start at: 2017-11-30 09:41:16
End at: 2017-11-30 09:41:46
Local clock offset: -0.584 ms
Remote clock offset: 1.461 ms


# Below is generated by plot.py at 2017-11-30 15:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 29.271 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 29.271 ms
Loss rate: 0.19%
```
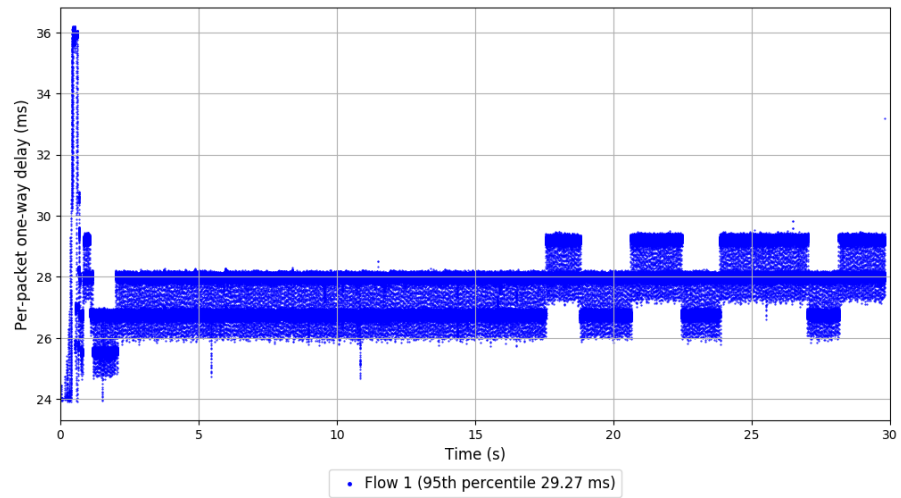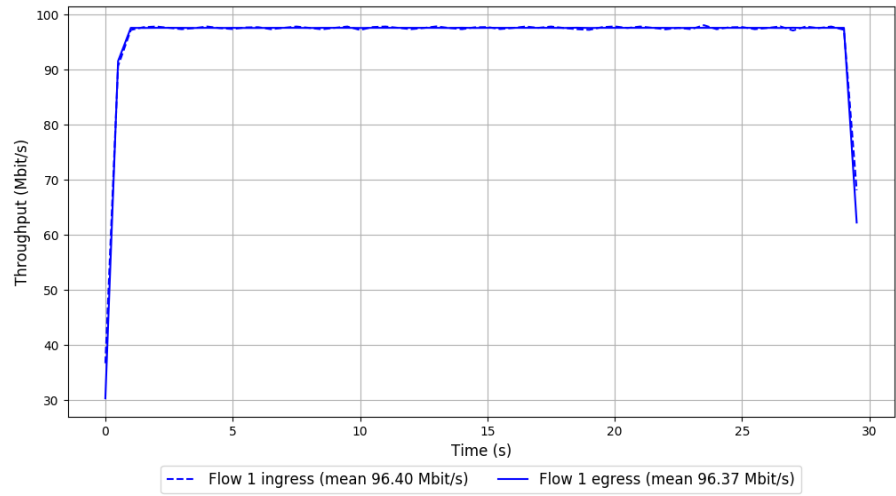
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2017-11-30 09:59:56
End at: 2017-11-30 10:00:26
Local clock offset: -0.384 ms
Remote clock offset: 2.247 ms


# Below is generated by plot.py at 2017-11-30 15:22:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 29.406 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 29.406 ms
Loss rate: 0.19%
```
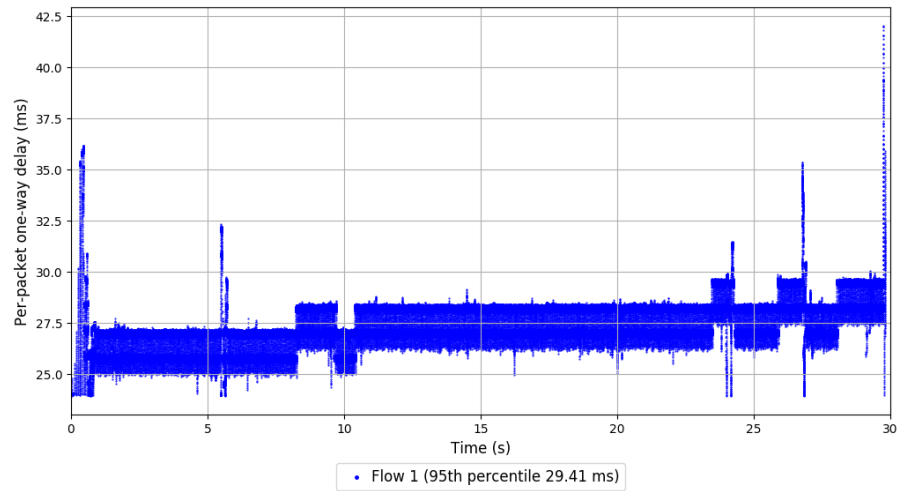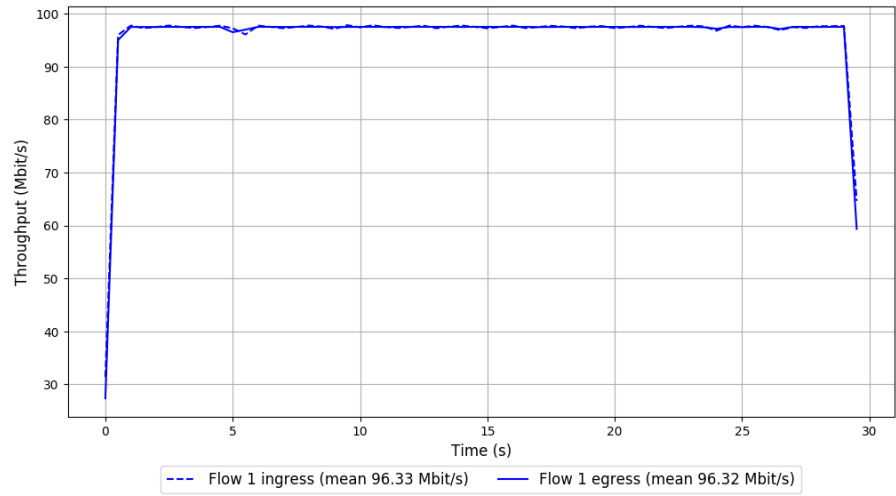
Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2017-11-30 10:18:37
End at: 2017-11-30 10:19:07
Local clock offset: -0.46 ms
Remote clock offset: 2.209 ms


# Below is generated by plot.py at 2017-11-30 15:22:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 28.333 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 28.333 ms
Loss rate: 0.20%
```
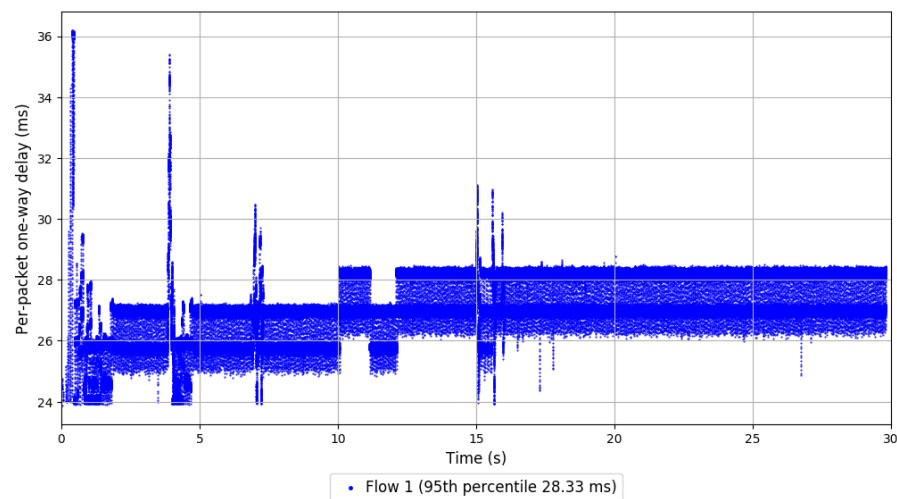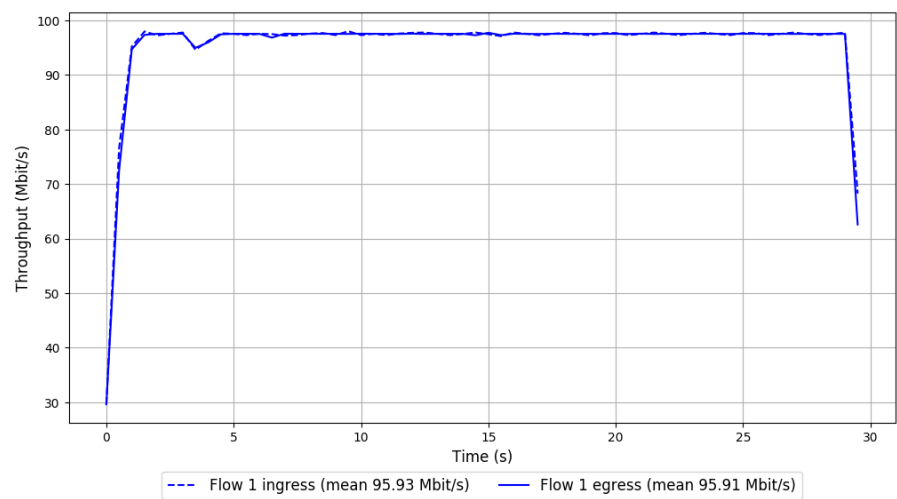
Run 5: Report of Indigo — Data Link

Flow 1 ingress (mean 95.93 Mbit/s)   Flow 1 egress (mean 95.91 Mbit/s)

Flow 1 (95th percentile 28.33 ms)

```
Run 6: Statistics of Indigo

Start at: 2017-11-30 10:37:14
End at: 2017-11-30 10:37:44
Local clock offset: -0.415 ms
Remote clock offset: 2.861 ms


# Below is generated by plot.py at 2017-11-30 15:22:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 28.235 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 28.235 ms
Loss rate: 0.19%
```
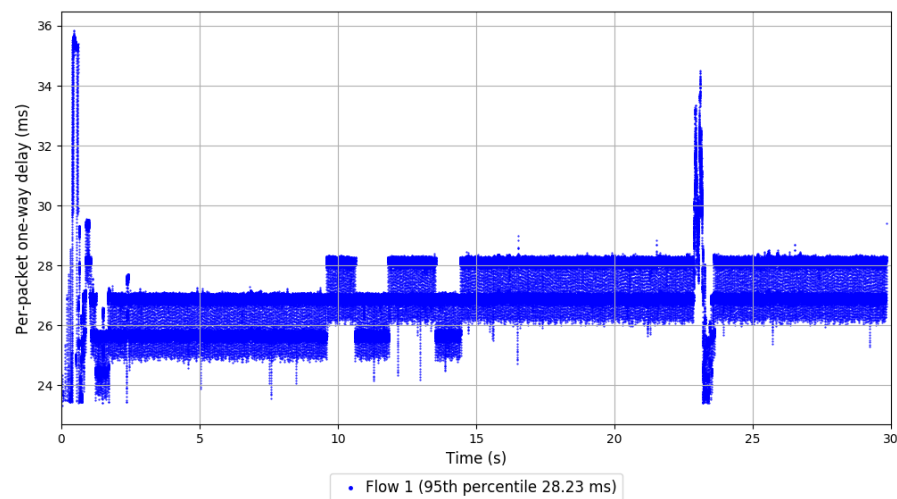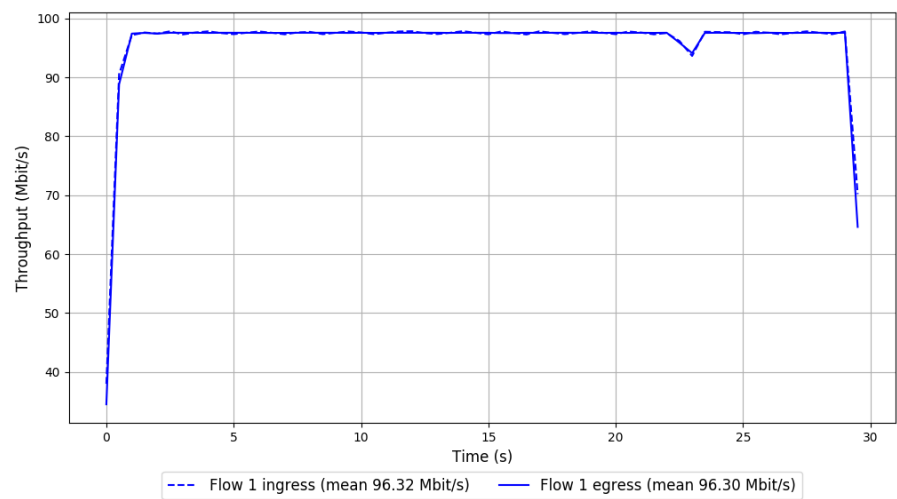
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2017-11-30 10:56:00
End at: 2017-11-30 10:56:30
Local clock offset: -0.232 ms
Remote clock offset: 2.354 ms


# Below is generated by plot.py at 2017-11-30 15:23:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 27.856 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 27.856 ms
Loss rate: 0.19%
```
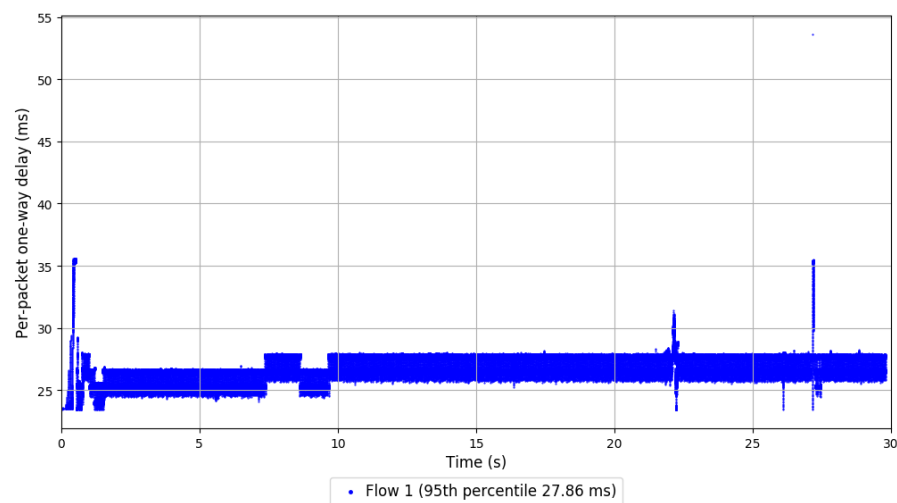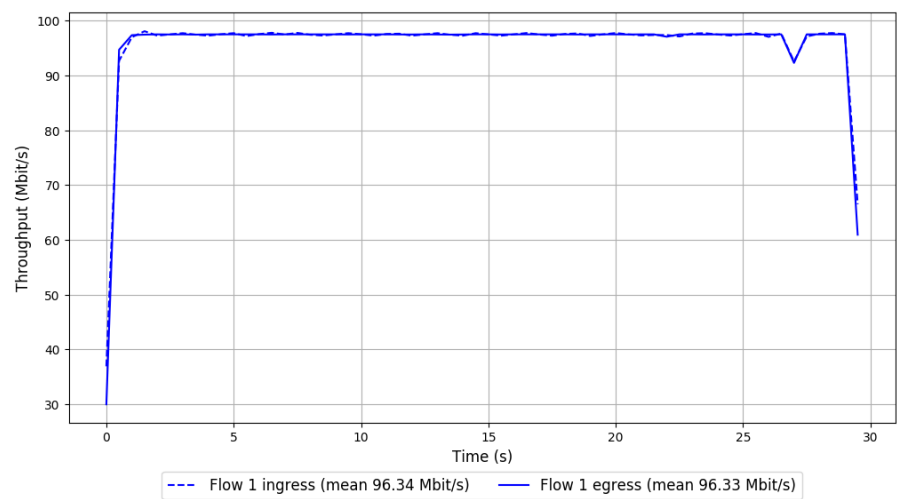
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2017-11-30 11:14:41
End at: 2017-11-30 11:15:11
Local clock offset: -0.232 ms
Remote clock offset: 2.046 ms


# Below is generated by plot.py at 2017-11-30 15:23:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 28.996 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 28.996 ms
Loss rate: 0.22%
```
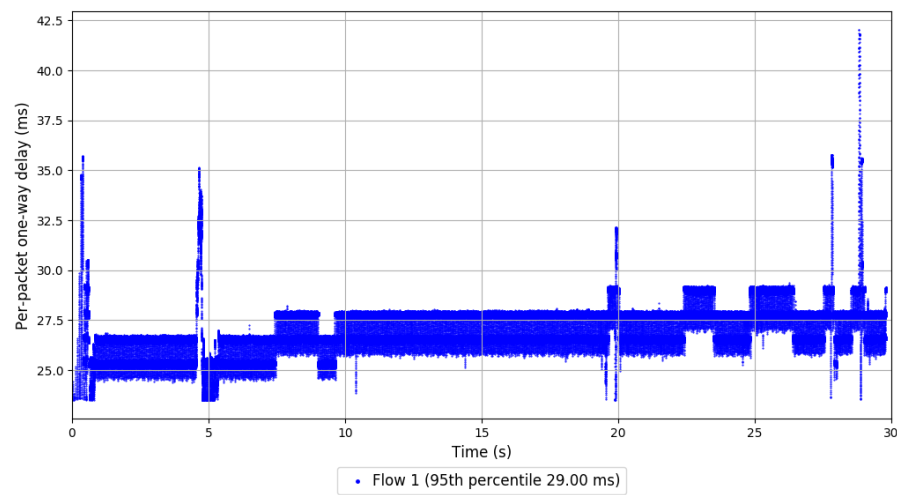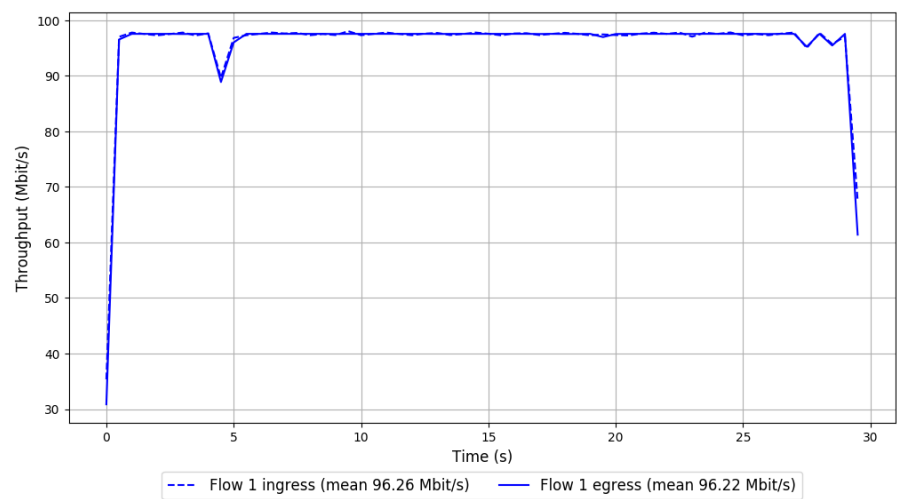
Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2017-11-30 11:33:16
End at: 2017-11-30 11:33:46
Local clock offset: -0.148 ms
Remote clock offset: 0.43 ms


# Below is generated by plot.py at 2017-11-30 15:23:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 28.253 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 96.39 Mbit/s
95th percentile per-packet one-way delay: 28.253 ms
Loss rate: 0.19%
```
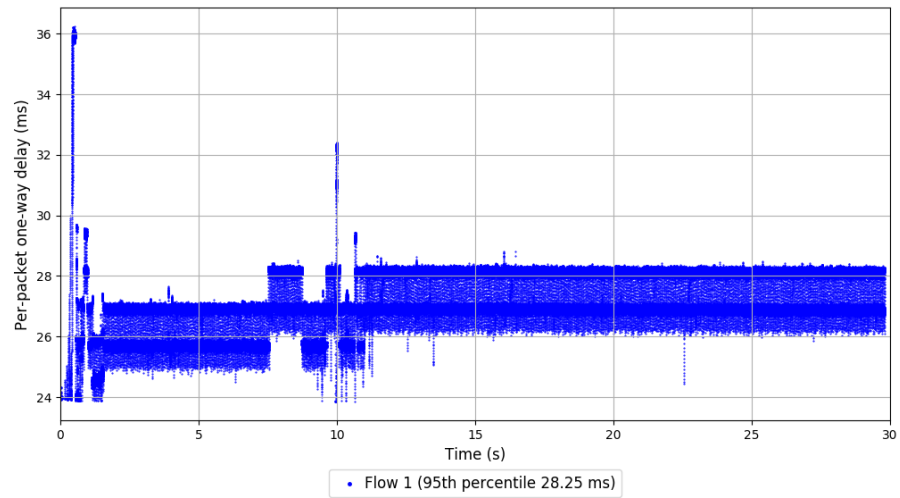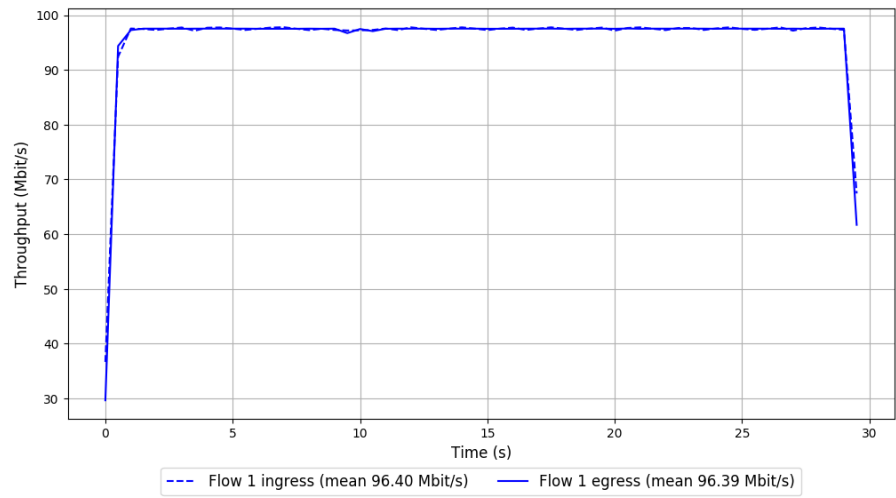
Run 9: Report of Indigo — Data Link

Flow 1 ingress (mean 96.40 Mbit/s) --- Flow 1 egress (mean 96.39 Mbit/s)

Flow 1 (95th percentile 28.25 ms)

```
Run 10: Statistics of Indigo

Start at: 2017-11-30 11:51:56
End at: 2017-11-30 11:52:26
Local clock offset: -0.106 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2017-11-30 15:23:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 28.106 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 28.106 ms
Loss rate: 0.22%
```
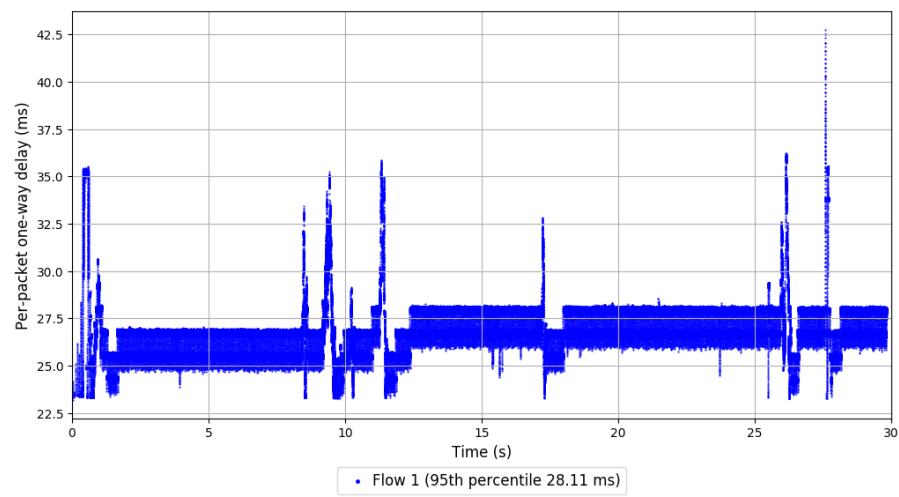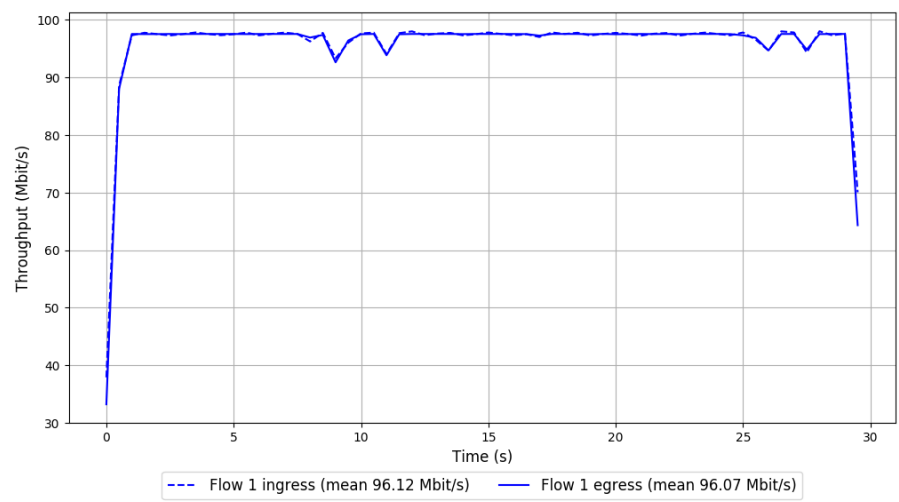
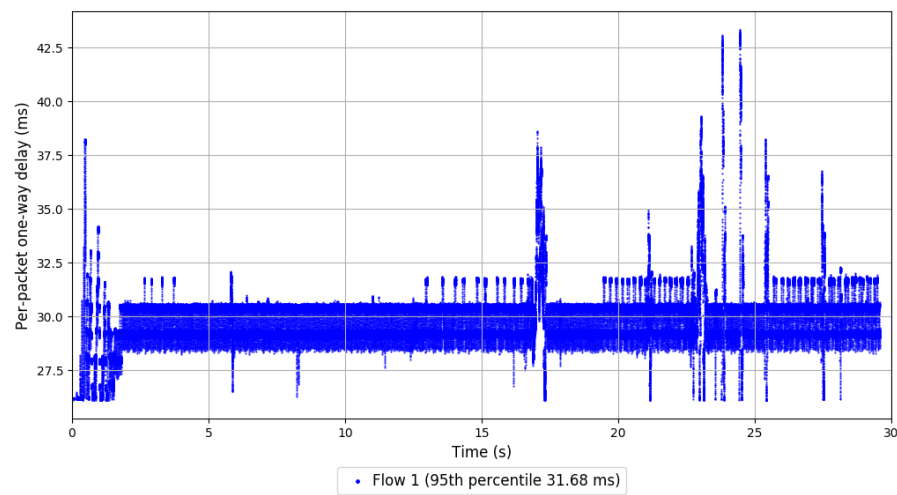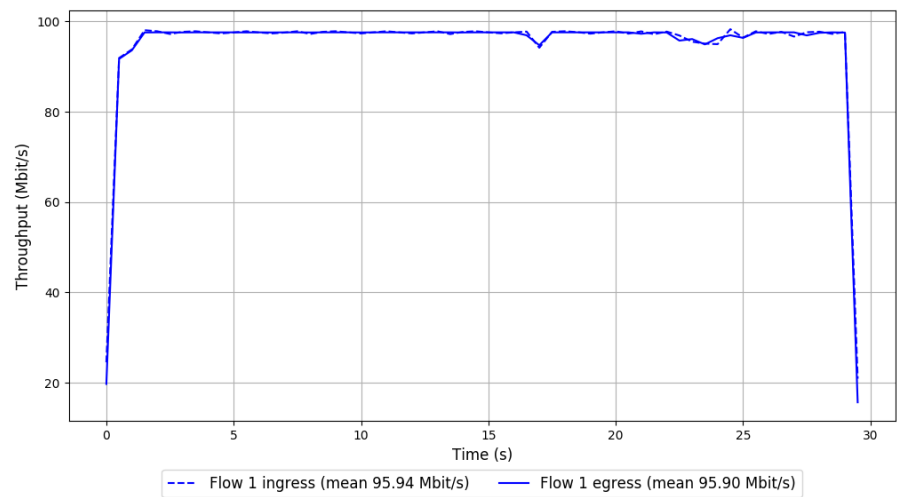## Run 10: Report of Indigo — Data Link

```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-30 09:01:17
End at: 2017-11-30 09:01:47
Local clock offset: -1.017 ms
Remote clock offset: -2.341 ms


# Below is generated by plot.py at 2017-11-30 15:23:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.90 Mbit/s
95th percentile per-packet one-way delay: 31.676 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 95.90 Mbit/s
95th percentile per-packet one-way delay: 31.676 ms
Loss rate: 0.21%
```

Run 1: Report of Indigo-calib — Data Link

```
Run 2: Statistics of Indigo-calib

Start at: 2017-11-30 09:20:02
End at: 2017-11-30 09:20:32
Local clock offset: -0.679 ms
Remote clock offset: 0.736 ms


# Below is generated by plot.py at 2017-11-30 15:23:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 29.499 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 29.499 ms
Loss rate: 0.32%
```
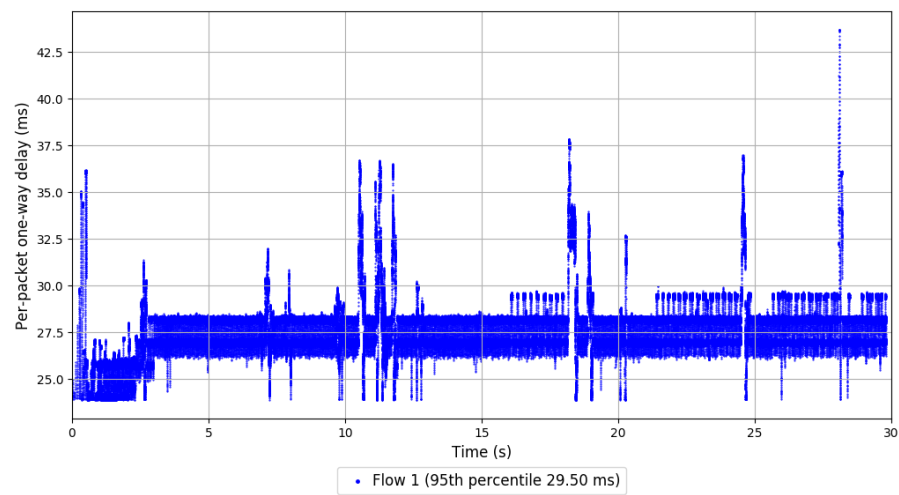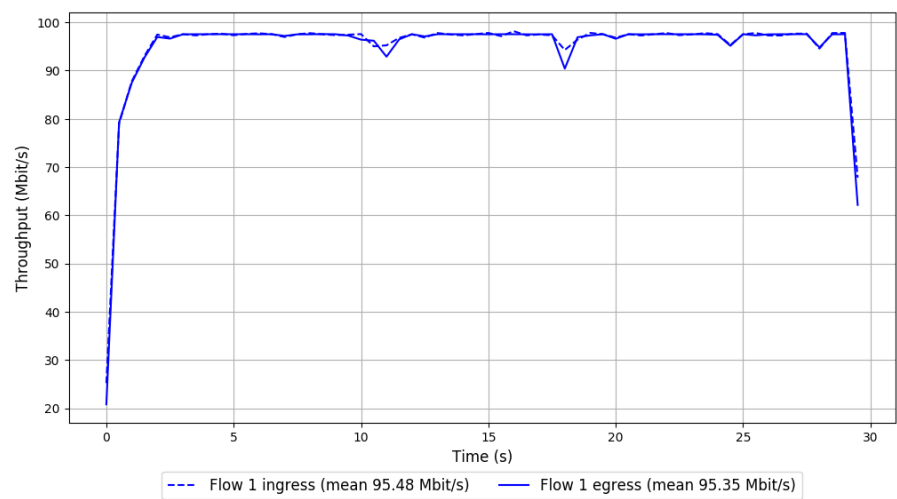
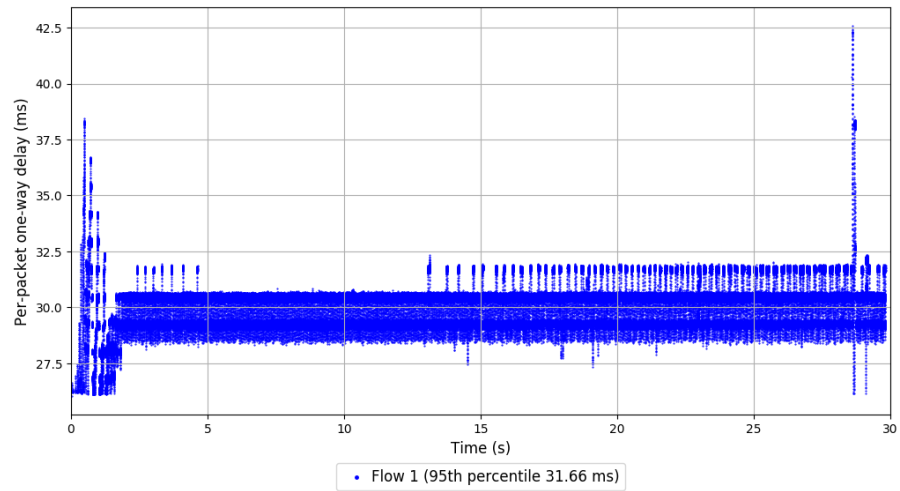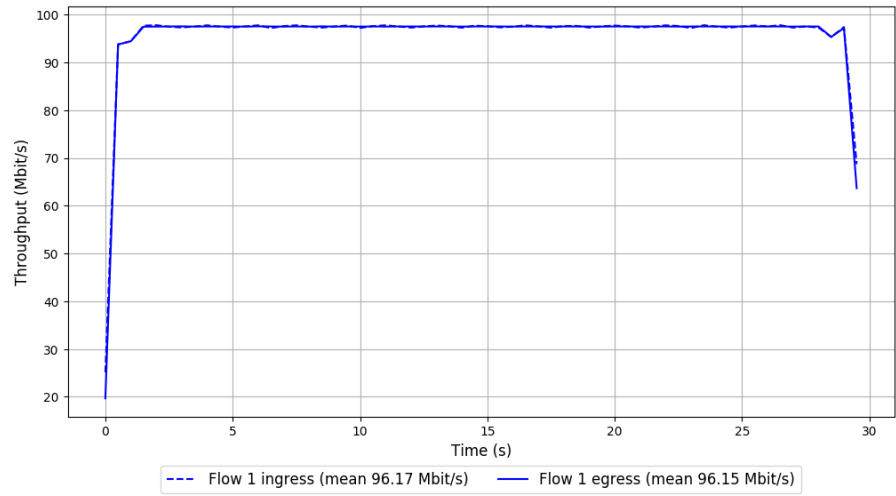Run 2: Report of Indigo-calib — Data Link

```
Run 3: Statistics of Indigo-calib

Start at: 2017-11-30 09:38:39
End at: 2017-11-30 09:39:09
Local clock offset: -0.522 ms
Remote clock offset: -0.747 ms


# Below is generated by plot.py at 2017-11-30 15:23:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 31.659 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 31.659 ms
Loss rate: 0.19%
```

Run 3: Report of Indigo-calib — Data Link

```
Run 4: Statistics of Indigo-calib

Start at: 2017-11-30 09:57:17
End at: 2017-11-30 09:57:47
Local clock offset: -0.388 ms
Remote clock offset: 2.201 ms


# Below is generated by plot.py at 2017-11-30 15:23:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 29.369 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 29.369 ms
Loss rate: 0.19%
```
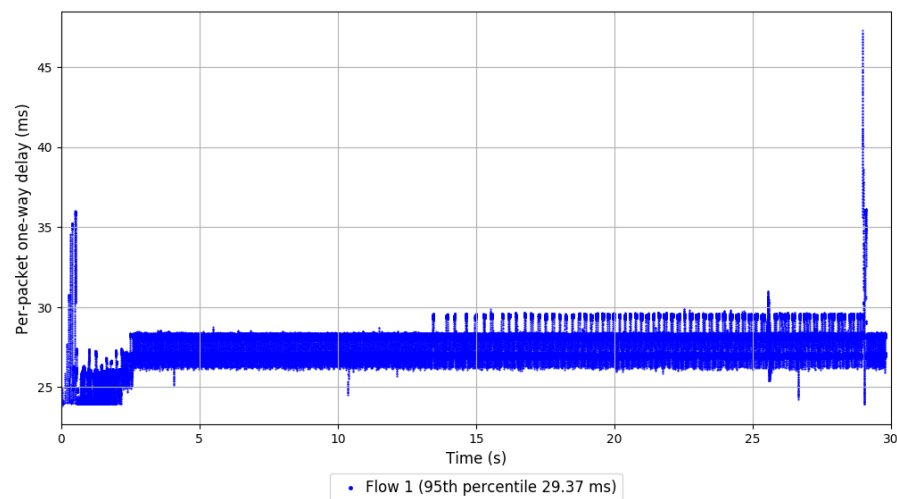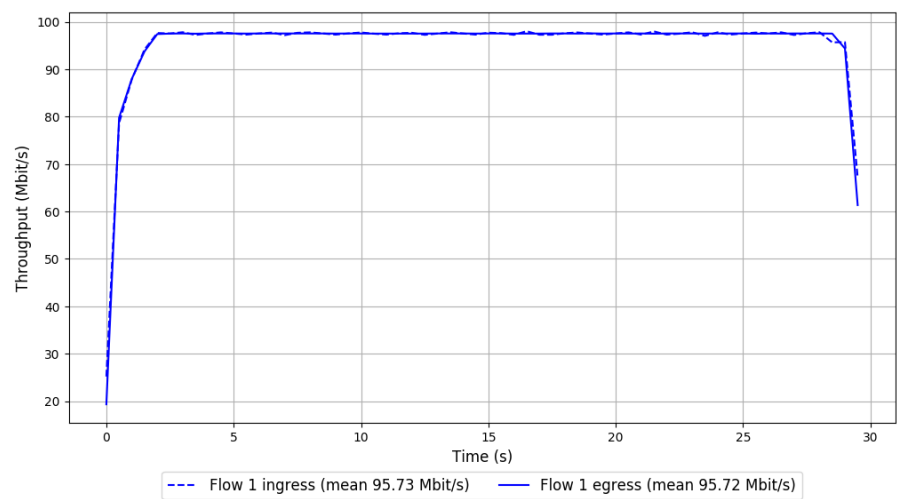
Run 4: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 95.73 Mbit/s) --- Flow 1 egress (mean 95.72 Mbit/s)

• Flow 1 (95th percentile 29.37 ms)

```
Run 5: Statistics of Indigo-calib

Start at: 2017-11-30 10:15:59
End at: 2017-11-30 10:16:29
Local clock offset: -0.438 ms
Remote clock offset: 0.313 ms


# Below is generated by plot.py at 2017-11-30 15:24:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 31.351 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 96.17 Mbit/s
95th percentile per-packet one-way delay: 31.351 ms
Loss rate: 0.19%
```
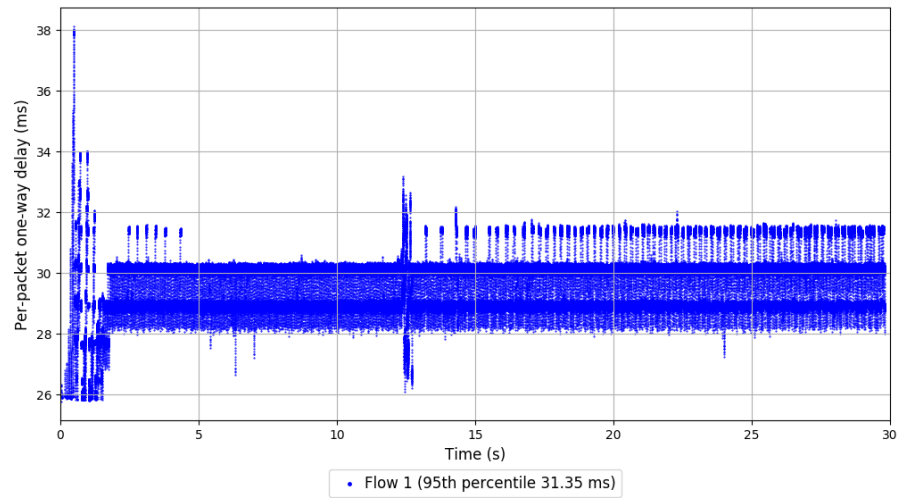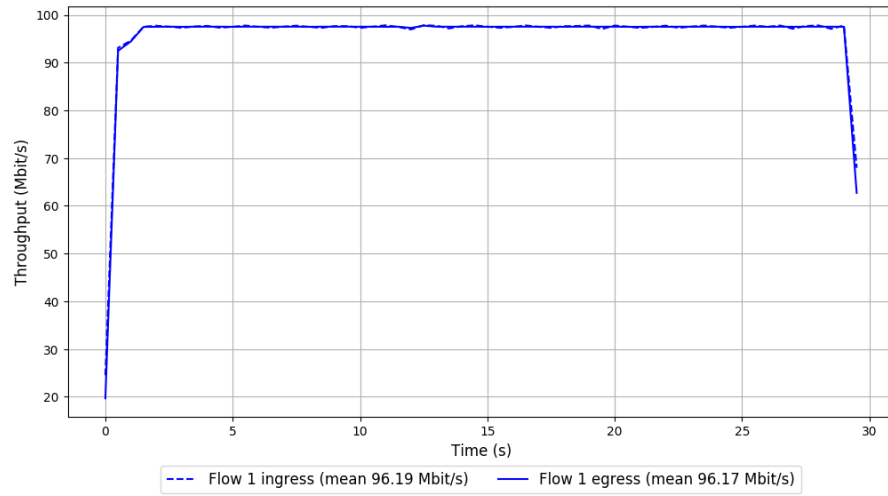
Run 5: Report of Indigo-calib — Data Link

```
Run 6: Statistics of Indigo-calib

Start at: 2017-11-30 10:34:37
End at: 2017-11-30 10:35:07
Local clock offset: -0.403 ms
Remote clock offset: 2.391 ms


# Below is generated by plot.py at 2017-11-30 15:24:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 29.406 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 29.406 ms
Loss rate: 0.19%
```
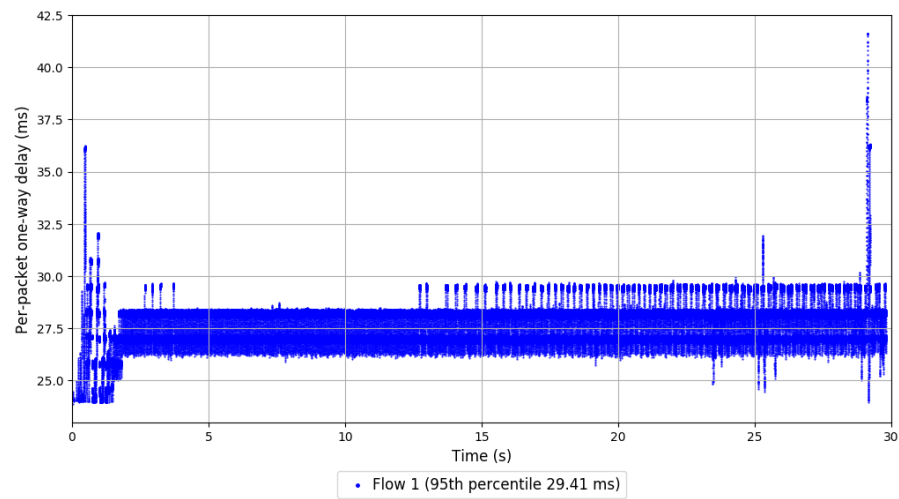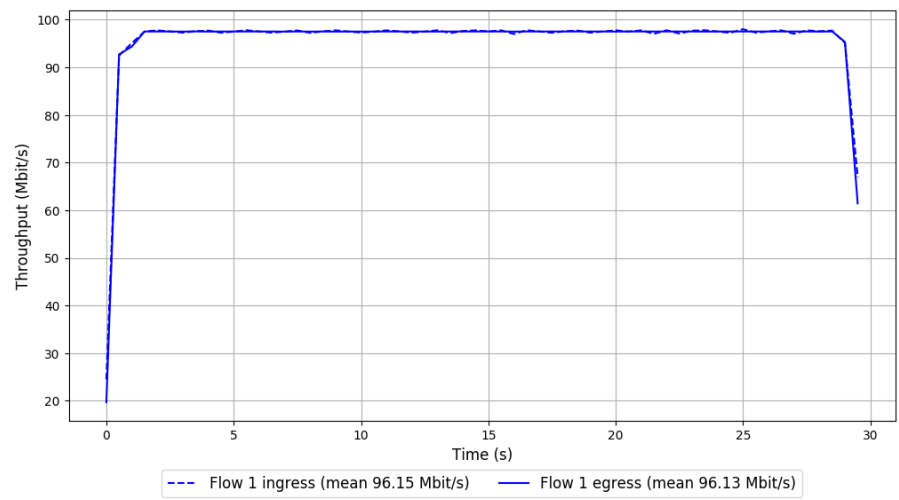
Run 6: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 96.15 Mbit/s)   Flow 1 egress (mean 96.13 Mbit/s)

Flow 1 (95th percentile 29.41 ms)

```
Run 7: Statistics of Indigo-calib

Start at: 2017-11-30 10:53:22
End at: 2017-11-30 10:53:52
Local clock offset: -0.244 ms
Remote clock offset: 2.341 ms


# Below is generated by plot.py at 2017-11-30 15:24:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 28.986 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 95.85 Mbit/s
95th percentile per-packet one-way delay: 28.986 ms
Loss rate: 0.20%
```
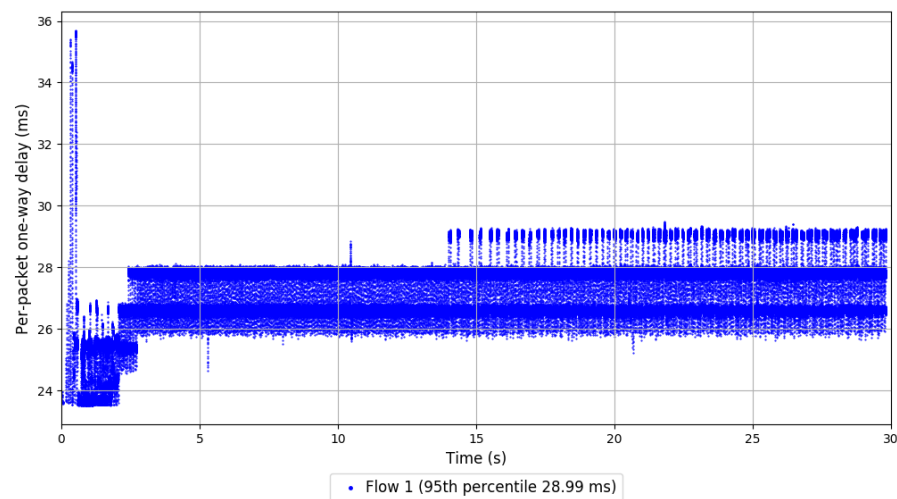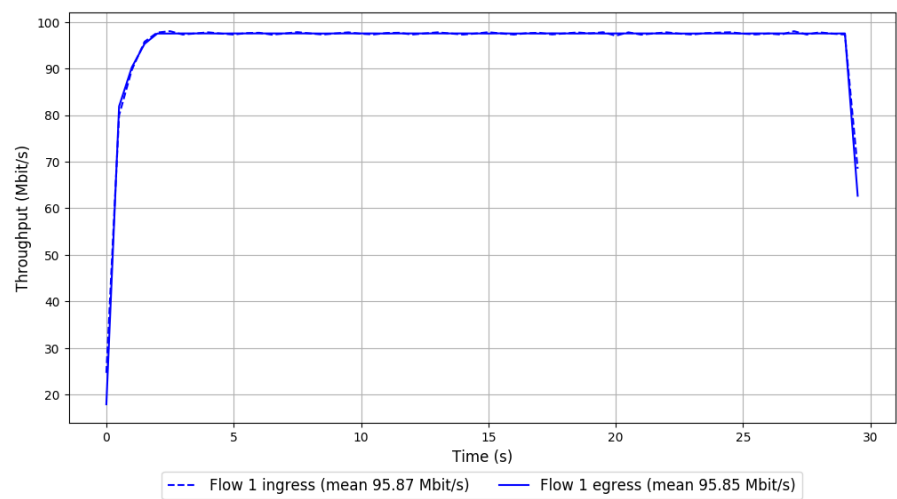
Run 7: Report of Indigo-calib — Data Link

```
Run 8: Statistics of Indigo-calib

Start at: 2017-11-30 11:12:04
End at: 2017-11-30 11:12:34
Local clock offset: -0.204 ms
Remote clock offset: -0.38 ms


# Below is generated by plot.py at 2017-11-30 15:24:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 31.408 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 96.13 Mbit/s
95th percentile per-packet one-way delay: 31.408 ms
Loss rate: 0.19%
```
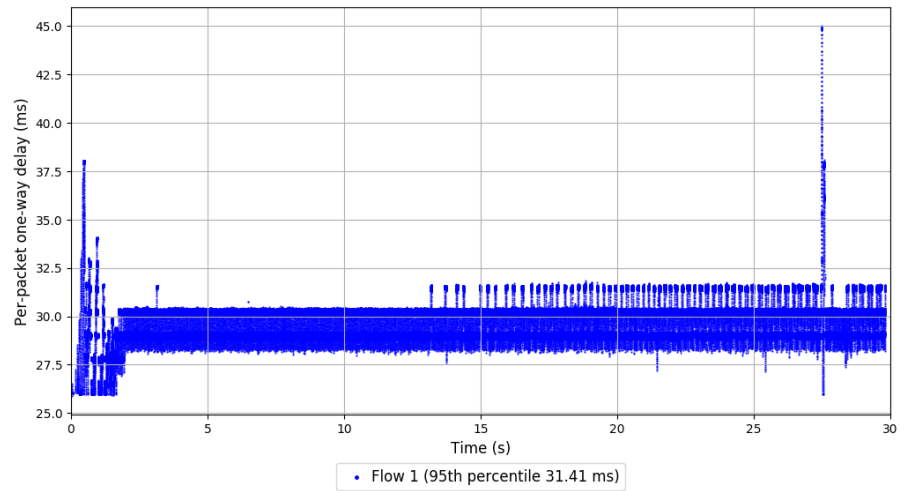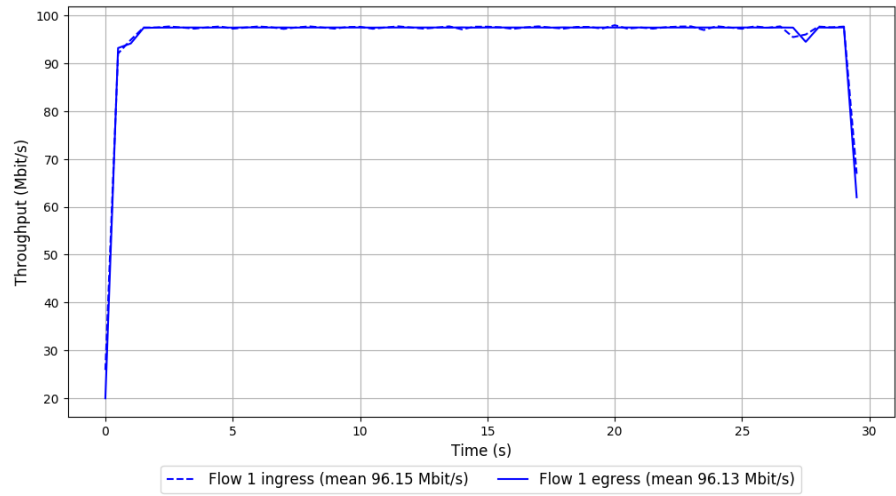
Run 8: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 96.15 Mbit/s) Flow 1 egress (mean 96.13 Mbit/s)
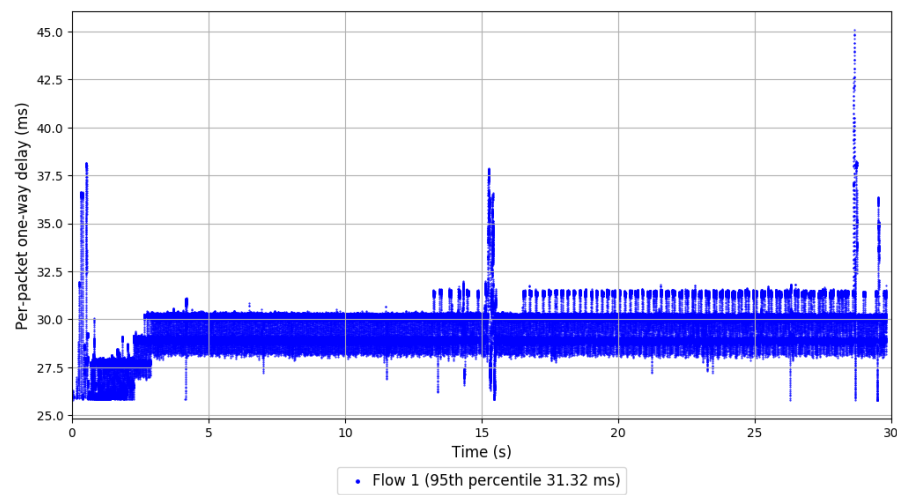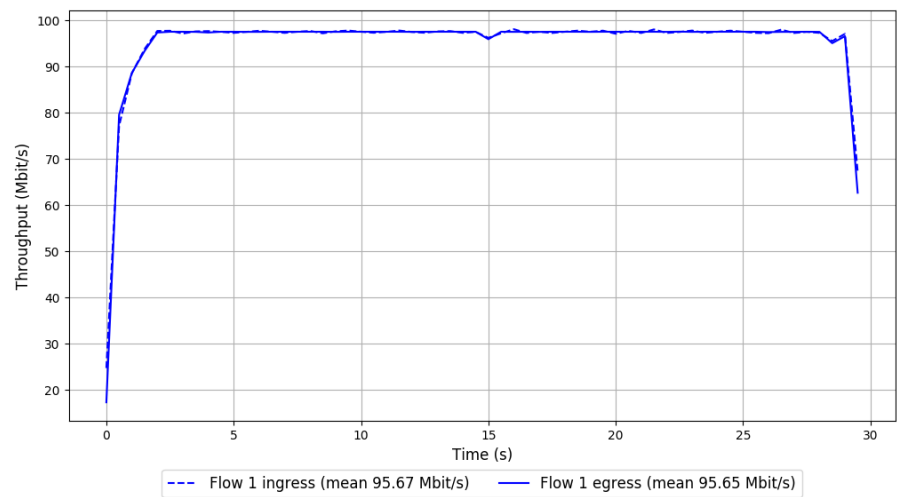

Flow 1 (95th percentile 31.41 ms)

```
Run 9: Statistics of Indigo-calib

Start at: 2017-11-30 11:30:39
End at: 2017-11-30 11:31:09
Local clock offset: -0.193 ms
Remote clock offset: -1.294 ms


# Below is generated by plot.py at 2017-11-30 15:24:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 31.325 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 31.325 ms
Loss rate: 0.19%
```

Run 9: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 95.67 Mbit/s)   Flow 1 egress (mean 95.65 Mbit/s)

Flow 1 (95th percentile 31.32 ms)

```
Run 10: Statistics of Indigo-calib

Start at: 2017-11-30 11:49:18
End at: 2017-11-30 11:49:48
Local clock offset: -0.117 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2017-11-30 15:24:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 29.013 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 96.05 Mbit/s
95th percentile per-packet one-way delay: 29.013 ms
Loss rate: 0.21%
```

Run 10: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 96.08 Mbit/s) --- Flow 1 egress (mean 96.05 Mbit/s)

Flow 1 (95th percentile 29.01 ms)