Pantheon Report

Generated at 2017-12-20 02:41:04 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

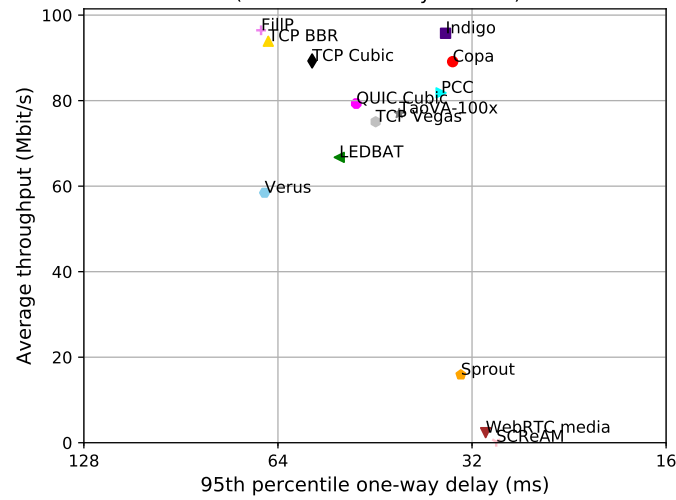Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/fillp @ dcaef6b00654e660f73f7ed679d2eab61ce08639
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```
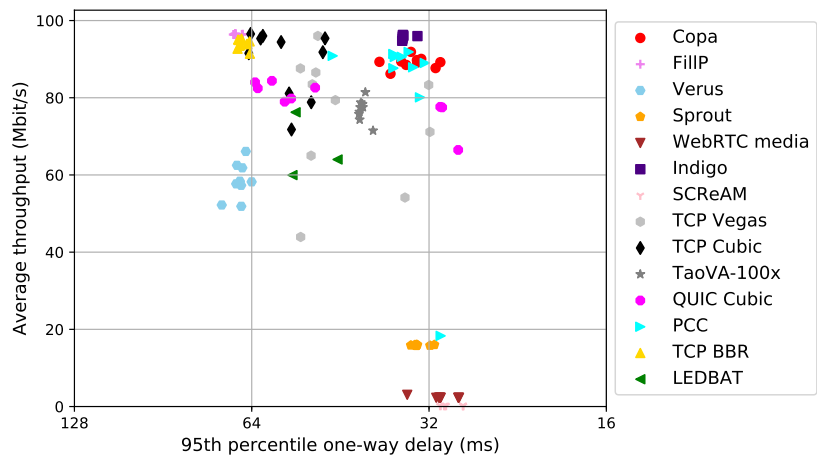
test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

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

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.90	66.25	22.55
TCP Cubic	10	89.28	56.65	0.23
LEDBAT	3	66.74	51.42	0.02
PCC	10	81.82	35.74	0.50
QUIC Cubic	9	79.32	48.38	0.56
SCReAM	10	0.22	29.35	0.00
WebRTC media	10	2.35	30.48	0.06
Sprout	10	15.90	33.30	0.03
TaoVA-100x	10	77.00	41.51	0.04
TCP Vegas	10	75.06	45.15	0.26
Verus	9	58.46	67.12	42.07
Copa	10	89.11	34.29	0.08
FillP	10	96.45	67.98	22.77
Indigo	7	95.75	35.17	0.05

```
Run 1: Statistics of TCP BBR

Start at: 2017-12-19 22:37:05
End at: 2017-12-19 22:37:35
Local clock offset: -1.616 ms
Remote clock offset: -3.604 ms


# Below is generated by plot.py at 2017-12-20 02:23:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 66.610 ms
Loss rate: 22.49%
-- Flow 1:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 66.610 ms
Loss rate: 22.49%
```
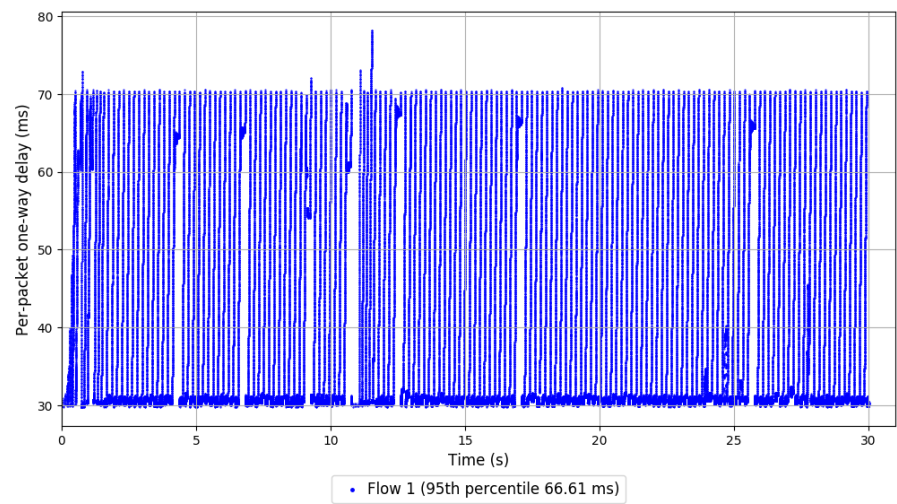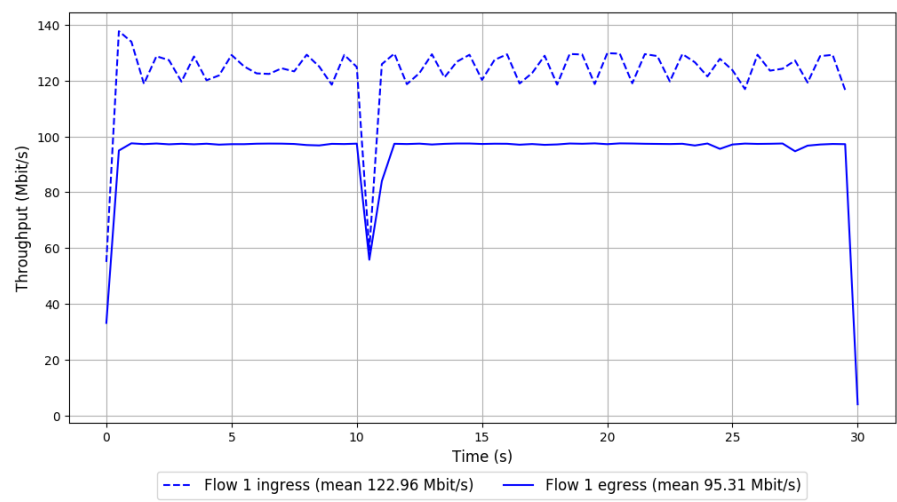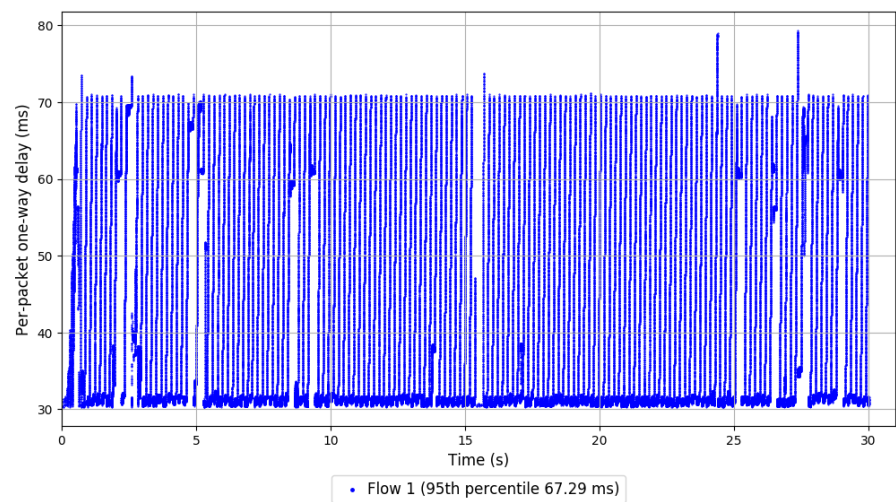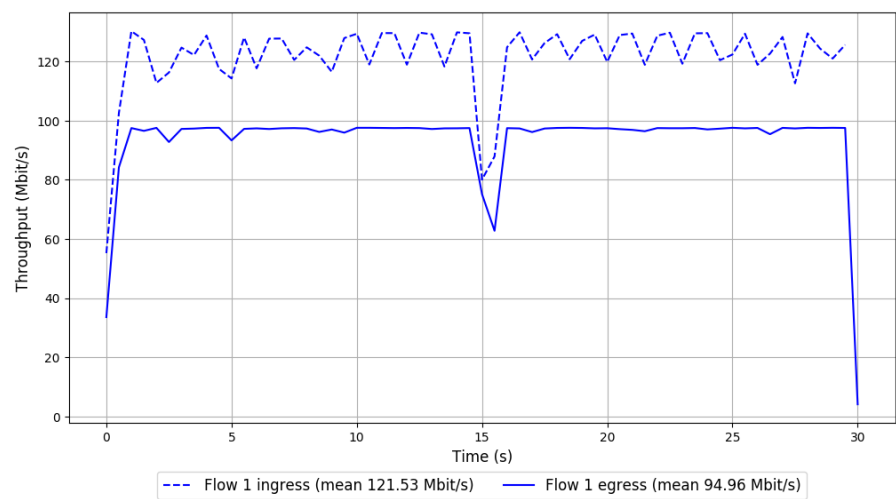
Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 122.96 Mbit/s) --- Flow 1 egress (mean 95.31 Mbit/s)
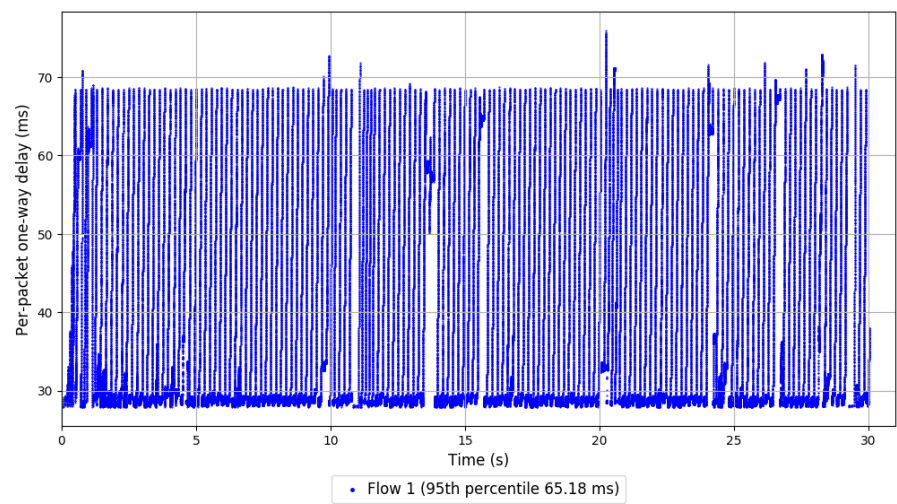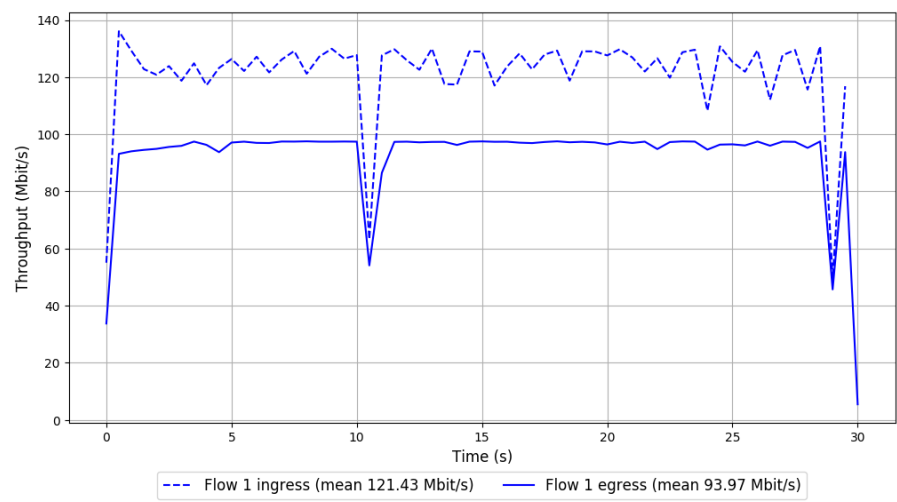

Flow 1 (95th percentile 66.61 ms)

```
Run 2: Statistics of TCP BBR

Start at: 2017-12-19 22:56:54
End at: 2017-12-19 22:57:24
Local clock offset: -1.362 ms
Remote clock offset: -2.77 ms


# Below is generated by plot.py at 2017-12-20 02:23:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 67.289 ms
Loss rate: 21.86%
-- Flow 1:
Average throughput: 94.96 Mbit/s
95th percentile per-packet one-way delay: 67.289 ms
Loss rate: 21.86%
```

Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 121.53 Mbit/s) --- Flow 1 egress (mean 94.96 Mbit/s)

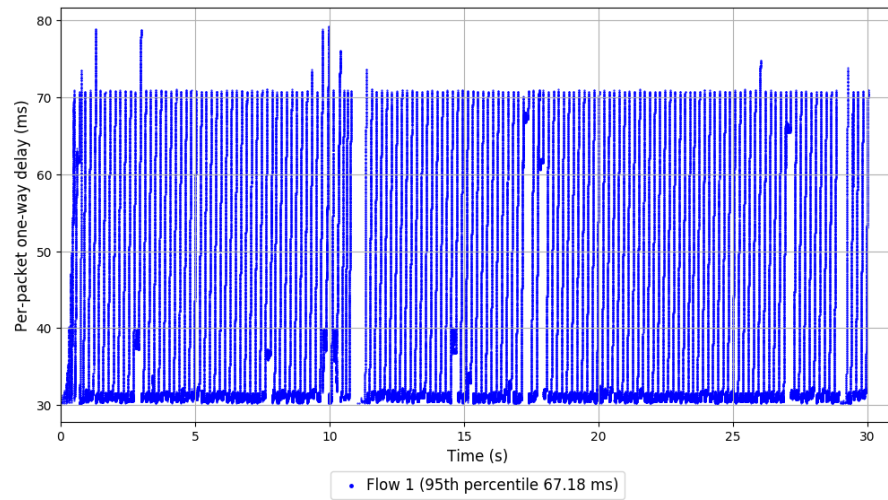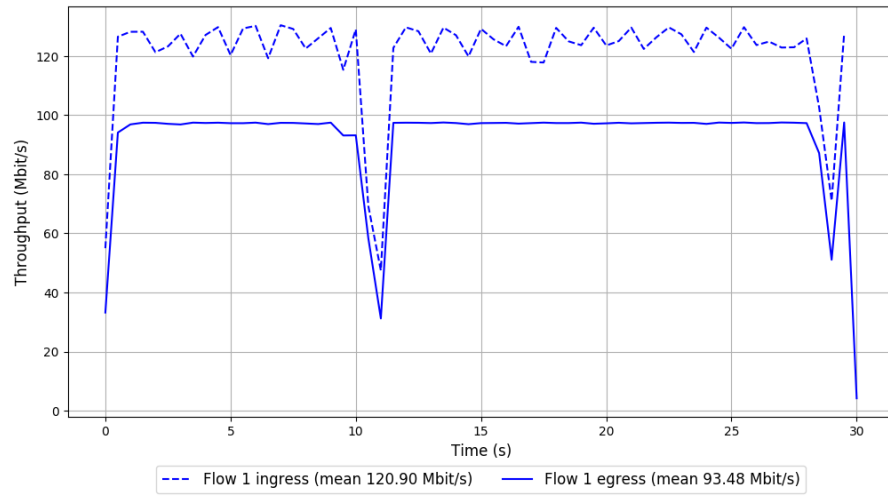
Flow 1 (95th percentile 67.29 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2017-12-19 23:17:05
End at: 2017-12-19 23:17:35
Local clock offset: -1.256 ms
Remote clock offset: -4.633 ms

# Below is generated by plot.py at 2017-12-20 02:23:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 65.183 ms
Loss rate: 22.59%
-- Flow 1:
Average throughput: 93.97 Mbit/s
95th percentile per-packet one-way delay: 65.183 ms
Loss rate: 22.59%
```

Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 121.43 Mbit/s) --- Flow 1 egress (mean 93.97 Mbit/s)

Flow 1 (95th percentile 65.18 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2017-12-19 23:37:29
End at: 2017-12-19 23:37:59
Local clock offset: -1.291 ms
Remote clock offset: -1.438 ms

# Below is generated by plot.py at 2017-12-20 02:23:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 67.178 ms
Loss rate: 22.68%
-- Flow 1:
Average throughput: 93.48 Mbit/s
95th percentile per-packet one-way delay: 67.178 ms
Loss rate: 22.68%
```
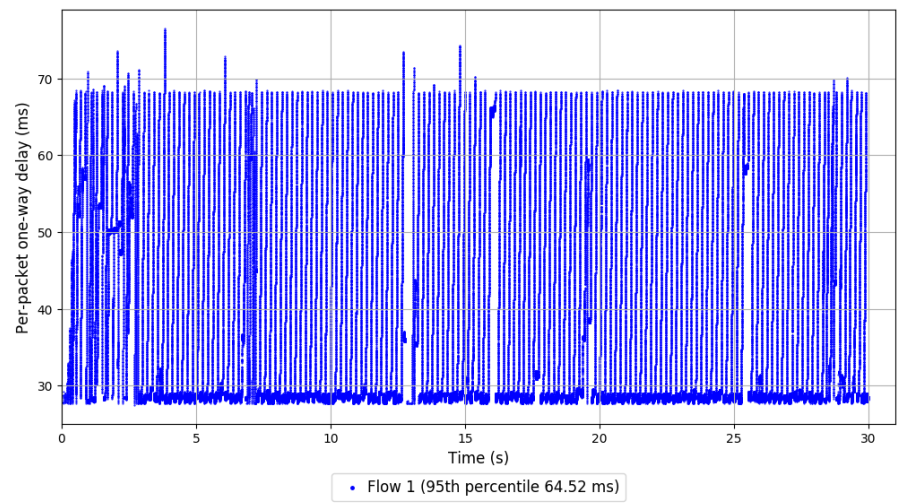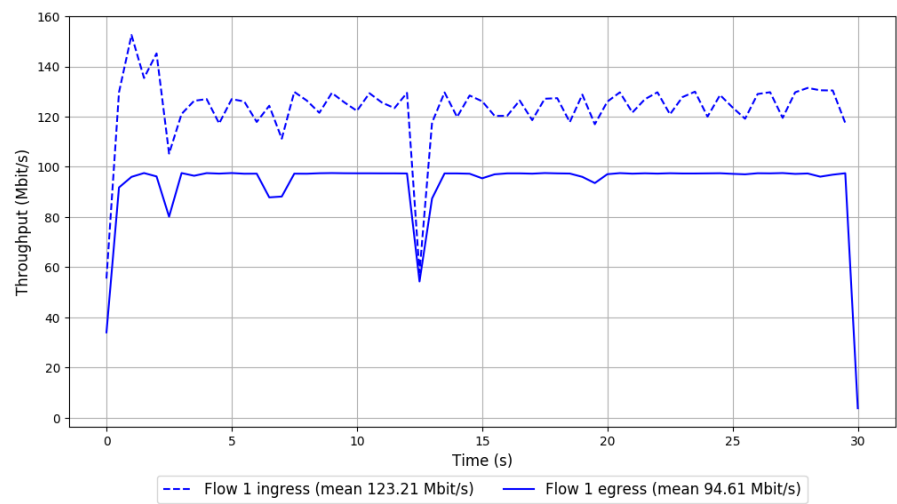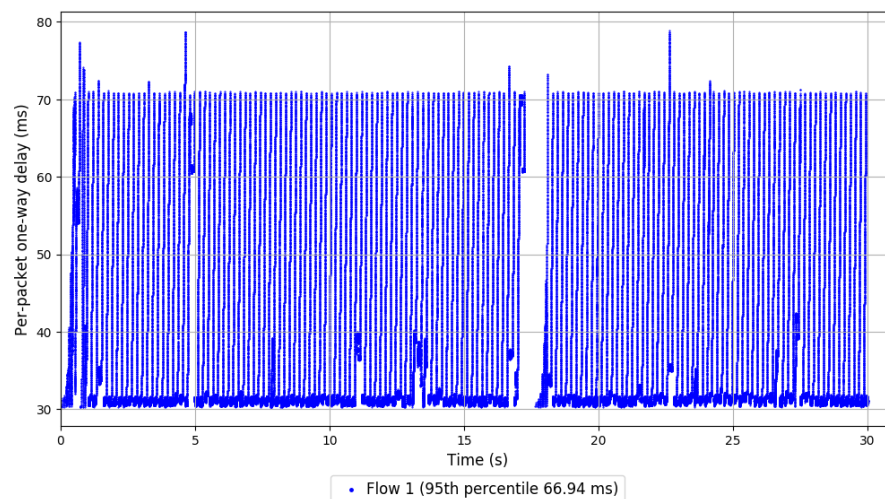
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 120.90 Mbit/s) --- Flow 1 egress (mean 93.48 Mbit/s)

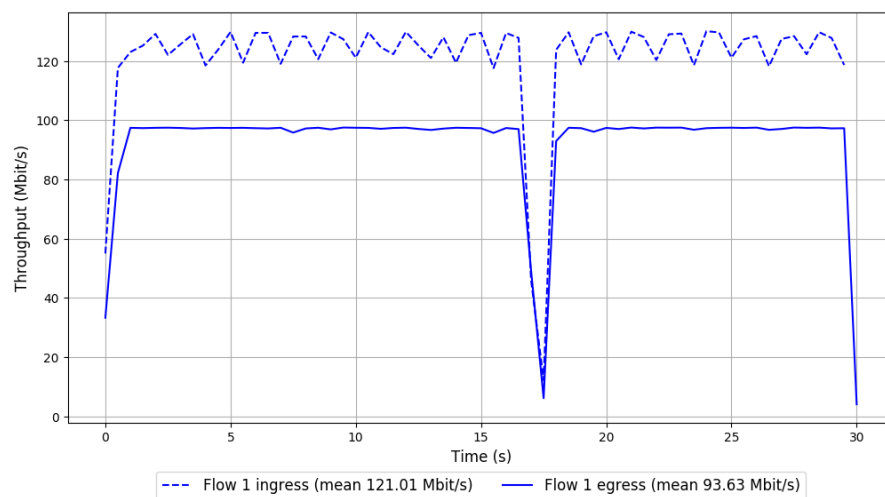Flow 1 (95th percentile 67.18 ms)

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```
Run 5: Statistics of TCP BBR

Start at: 2017-12-19 23:57:23
End at: 2017-12-19 23:57:53
Local clock offset: -1.548 ms
Remote clock offset: -3.283 ms


# Below is generated by plot.py at 2017-12-20 02:23:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 64.524 ms
Loss rate: 23.21%
-- Flow 1:
Average throughput: 94.61 Mbit/s
95th percentile per-packet one-way delay: 64.524 ms
Loss rate: 23.21%
```
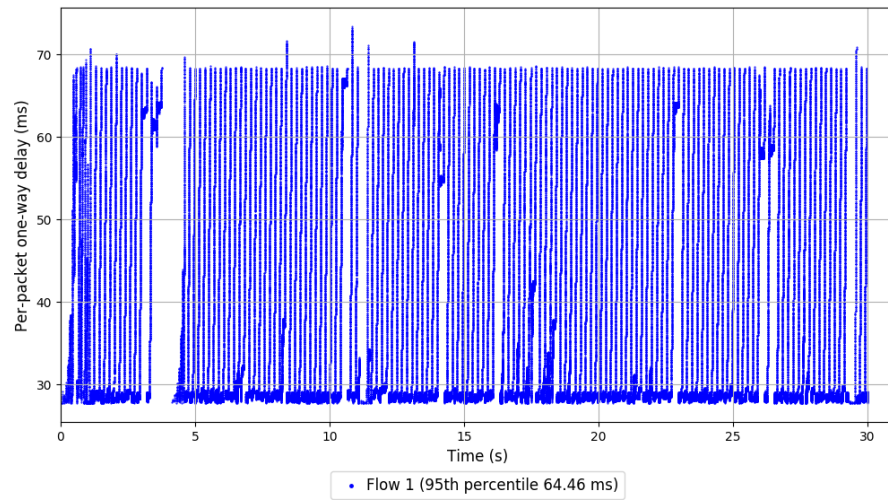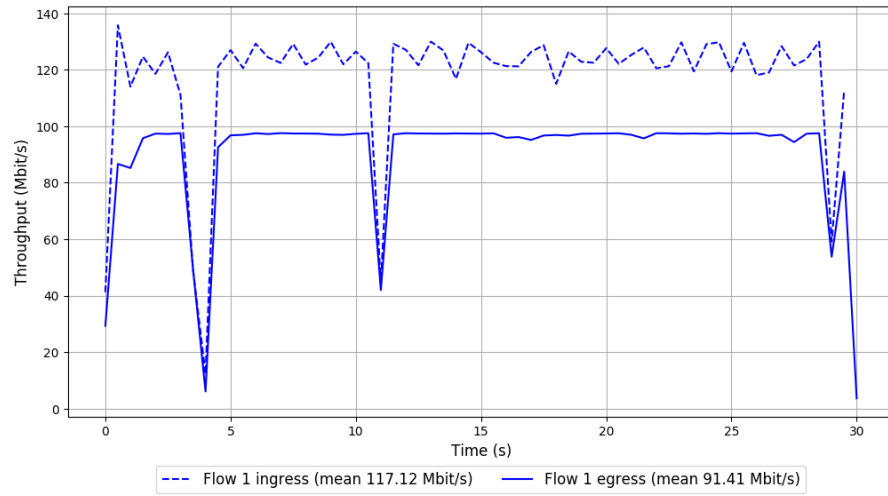
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 123.21 Mbit/s) --- Flow 1 egress (mean 94.61 Mbit/s)

• Flow 1 (95th percentile 64.52 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2017-12-20 00:17:27
End at: 2017-12-20 00:17:57
Local clock offset: -1.881 ms
Remote clock offset: -1.257 ms


# Below is generated by plot.py at 2017-12-20 02:23:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 66.940 ms
Loss rate: 22.62%
-- Flow 1:
Average throughput: 93.63 Mbit/s
95th percentile per-packet one-way delay: 66.940 ms
Loss rate: 22.62%
```

Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 121.01 Mbit/s) ----- Flow 1 egress (mean 93.63 Mbit/s)

• Flow 1 (95th percentile 66.94 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2017-12-20 00:38:06
End at: 2017-12-20 00:38:36
Local clock offset: -2.107 ms
Remote clock offset: -4.442 ms


# Below is generated by plot.py at 2017-12-20 02:23:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 64.460 ms
Loss rate: 21.95%
-- Flow 1:
Average throughput: 91.41 Mbit/s
95th percentile per-packet one-way delay: 64.460 ms
Loss rate: 21.95%
```
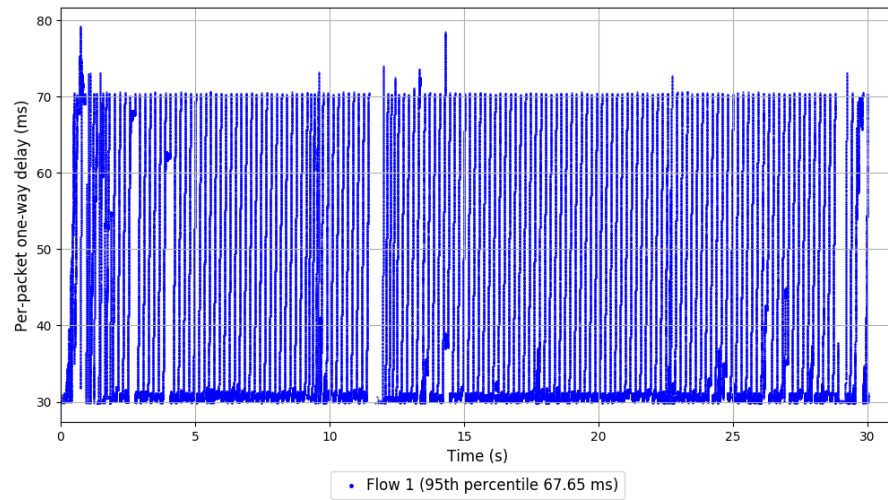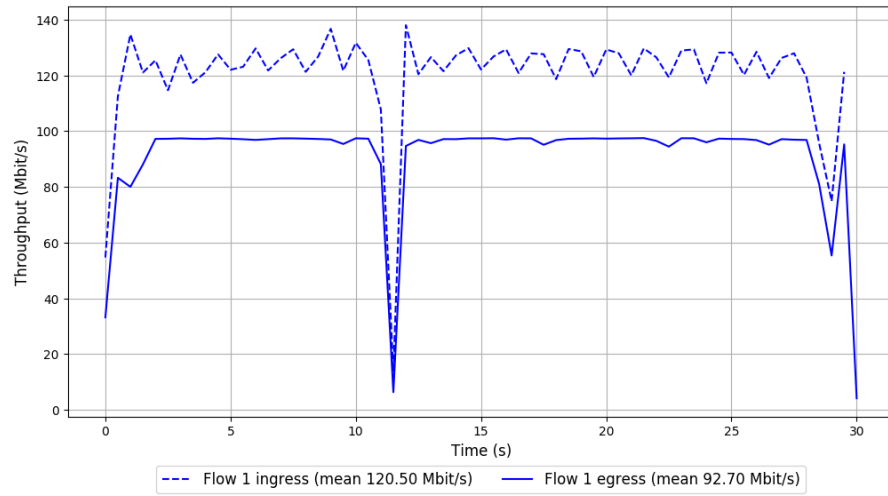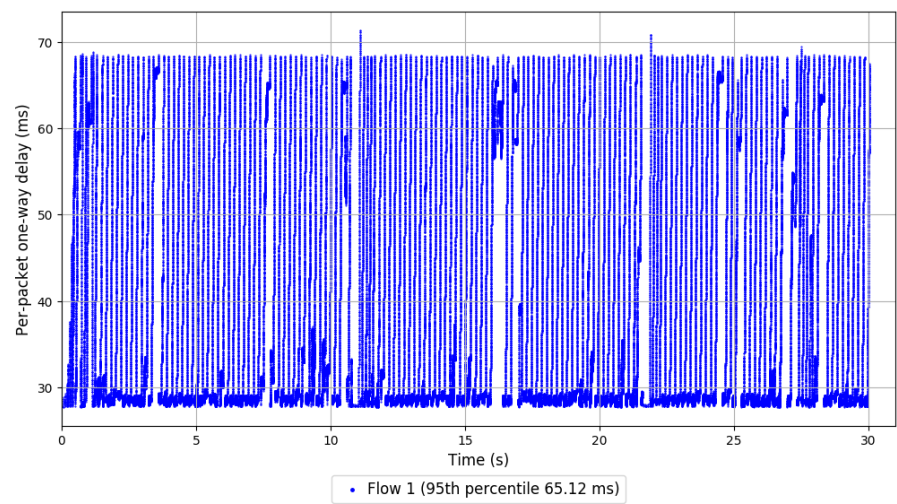
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 117.12 Mbit/s)   Flow 1 egress (mean 91.41 Mbit/s)

• Flow 1 (95th percentile 64.46 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2017-12-20 00:58:53
End at: 2017-12-20 00:59:23
Local clock offset: -2.49 ms
Remote clock offset: -1.981 ms


# Below is generated by plot.py at 2017-12-20 02:23:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.70 Mbit/s
95th percentile per-packet one-way delay: 67.651 ms
Loss rate: 23.06%
-- Flow 1:
Average throughput: 92.70 Mbit/s
95th percentile per-packet one-way delay: 67.651 ms
Loss rate: 23.06%
```
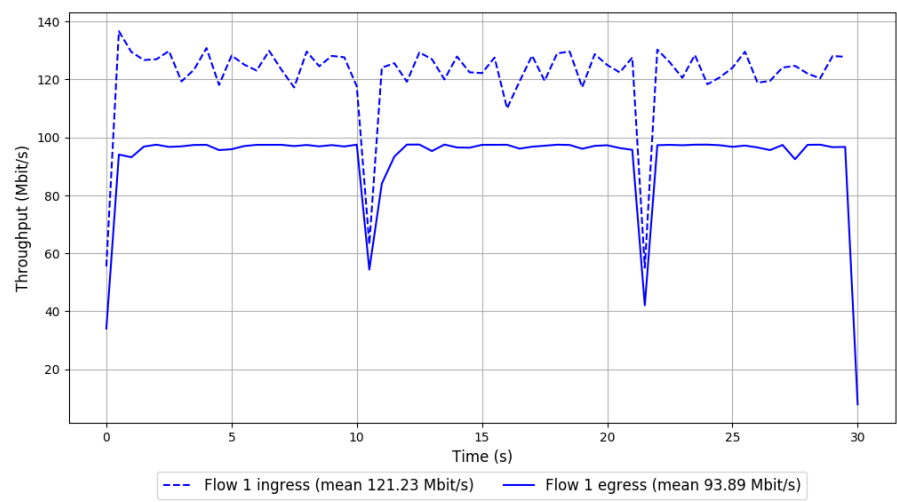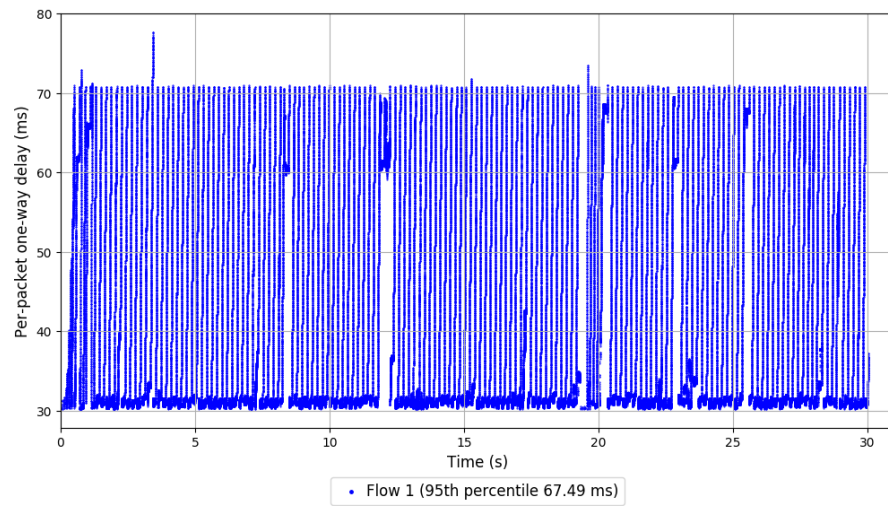
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 120.50 Mbit/s) --- Flow 1 egress (mean 92.70 Mbit/s)

• Flow 1 (95th percentile 67.65 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2017-12-20 01:19:23
End at: 2017-12-20 01:19:53
Local clock offset: -2.39 ms
Remote clock offset: -3.1 ms

# Below is generated by plot.py at 2017-12-20 02:25:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 65.125 ms
Loss rate: 22.49%
-- Flow 1:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 65.125 ms
Loss rate: 22.49%
```
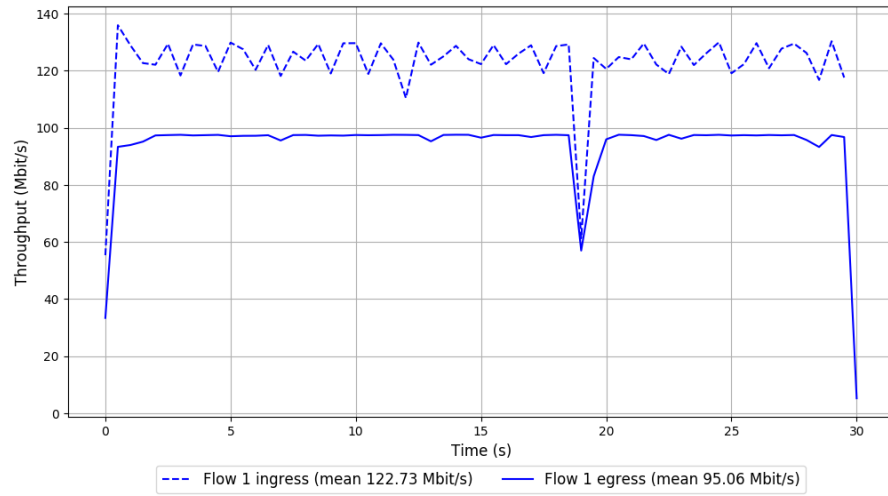
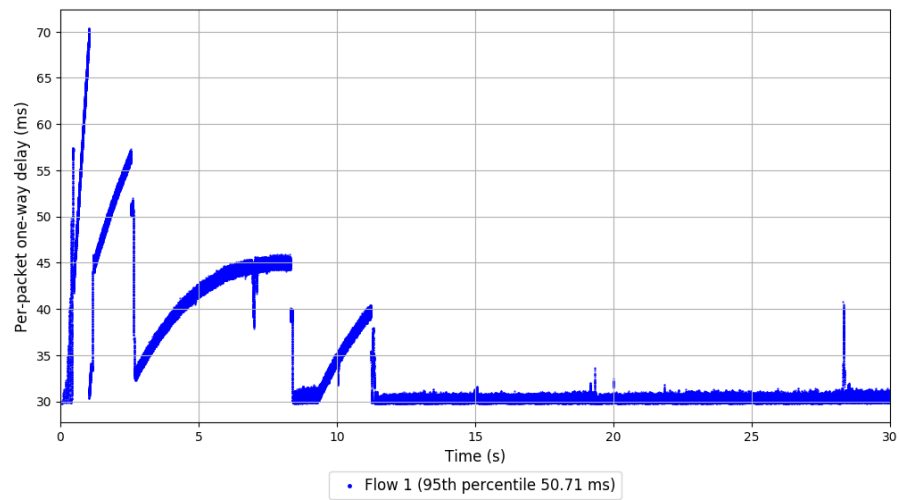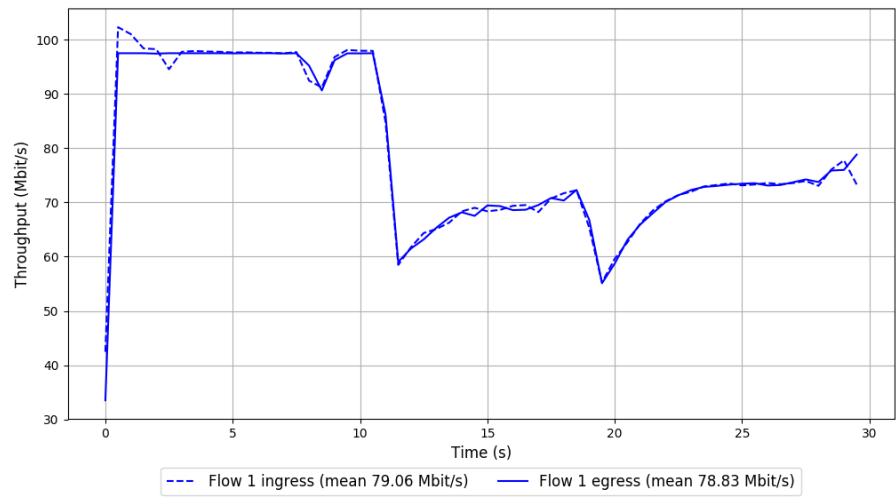Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 121.23 Mbit/s) ----   Flow 1 egress (mean 93.89 Mbit/s) ——

• Flow 1 (95th percentile 65.12 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2017-12-20 01:40:02
End at: 2017-12-20 01:40:32
Local clock offset: -2.174 ms
Remote clock offset: 0.555 ms


# Below is generated by plot.py at 2017-12-20 02:25:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 67.494 ms
Loss rate: 22.53%
-- Flow 1:
Average throughput: 95.06 Mbit/s
95th percentile per-packet one-way delay: 67.494 ms
Loss rate: 22.53%
```

Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 122.73 Mbit/s) ----   Flow 1 egress (mean 95.06 Mbit/s) ——
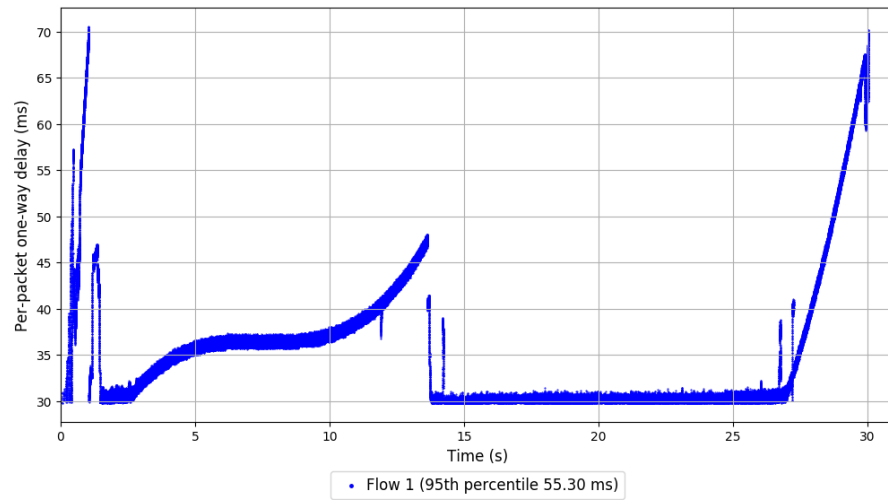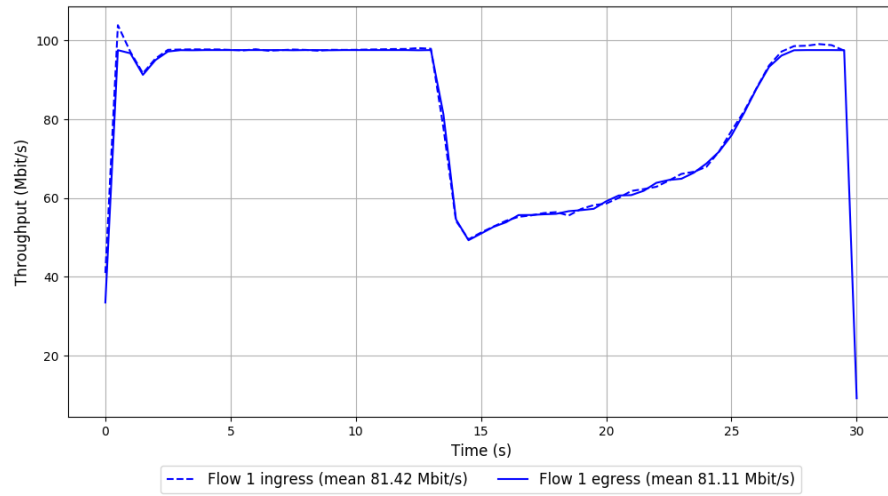

Flow 1 (95th percentile 67.49 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2017-12-19 22:38:26
End at: 2017-12-19 22:38:56
Local clock offset: -1.573 ms
Remote clock offset: -3.616 ms


# Below is generated by plot.py at 2017-12-20 02:25:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.83 Mbit/s
95th percentile per-packet one-way delay: 50.713 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 78.83 Mbit/s
95th percentile per-packet one-way delay: 50.713 ms
Loss rate: 0.28%
```
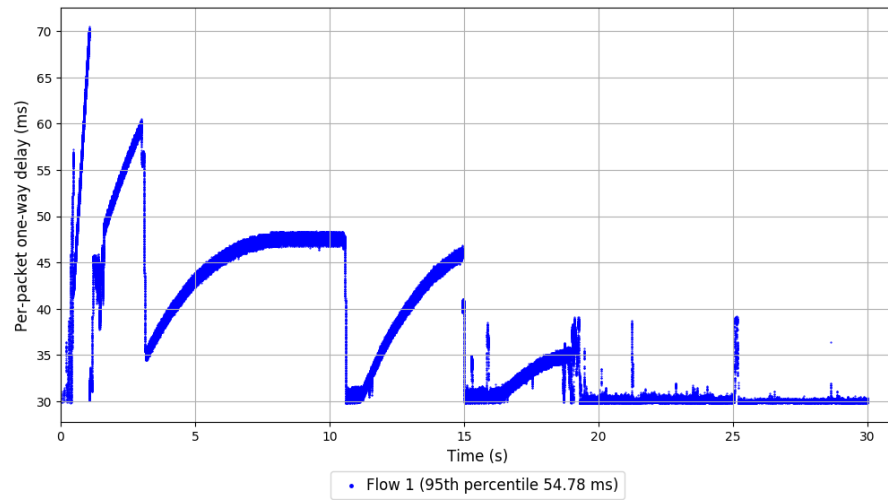
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2017-12-19 22:58:16
End at: 2017-12-19 22:58:46
Local clock offset: -1.316 ms
Remote clock offset: -3.173 ms


# Below is generated by plot.py at 2017-12-20 02:25:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.11 Mbit/s
95th percentile per-packet one-way delay: 55.297 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 81.11 Mbit/s
95th percentile per-packet one-way delay: 55.297 ms
Loss rate: 0.29%
```
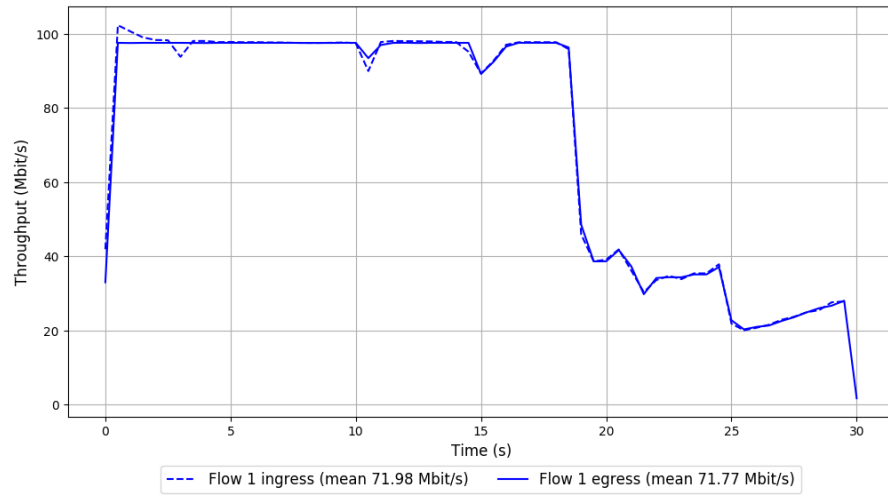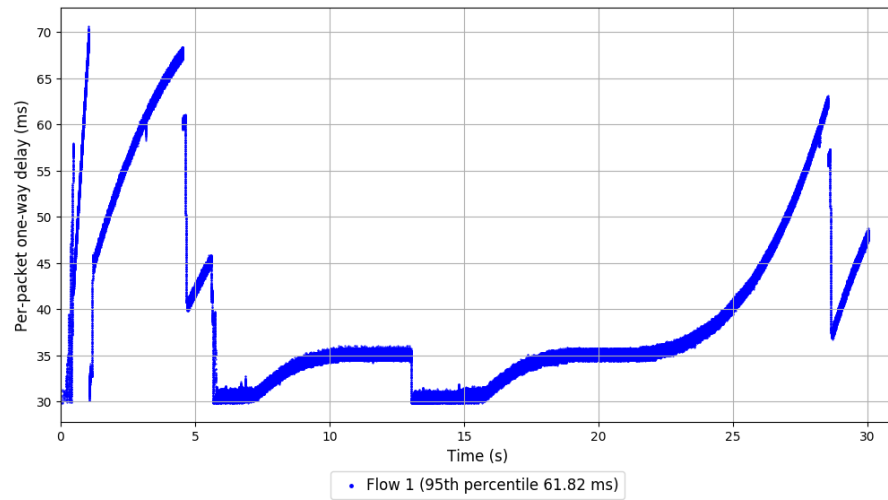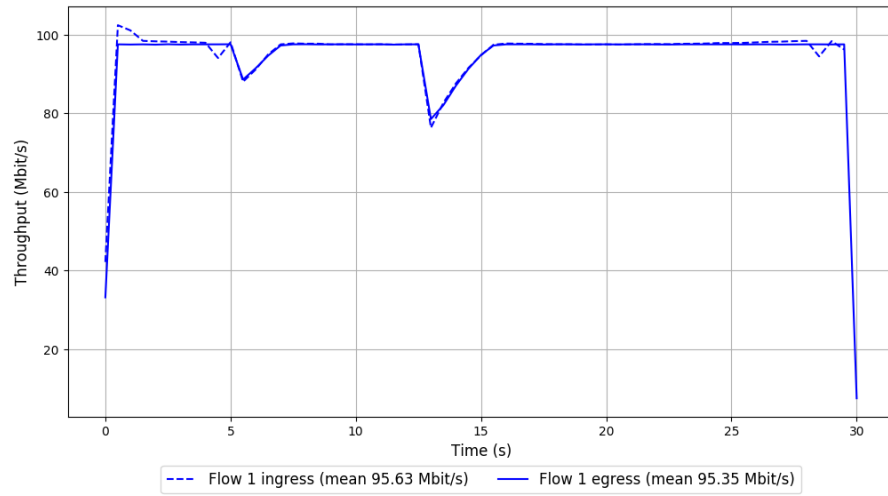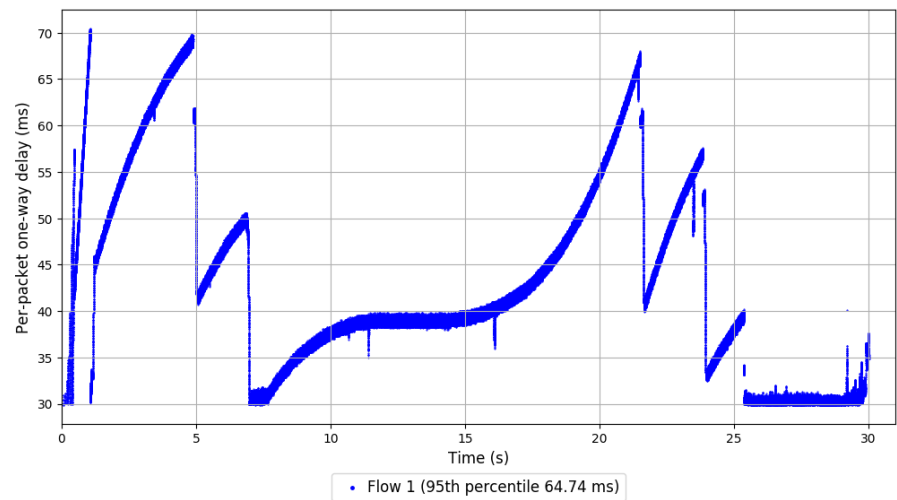
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2017-12-19 23:18:35
End at: 2017-12-19 23:19:05
Local clock offset: -1.244 ms
Remote clock offset: -2.66 ms


# Below is generated by plot.py at 2017-12-20 02:25:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.77 Mbit/s
95th percentile per-packet one-way delay: 54.785 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 71.77 Mbit/s
95th percentile per-packet one-way delay: 54.785 ms
Loss rate: 0.28%
```

Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 71.98 Mbit/s) --- Flow 1 egress (mean 71.77 Mbit/s)

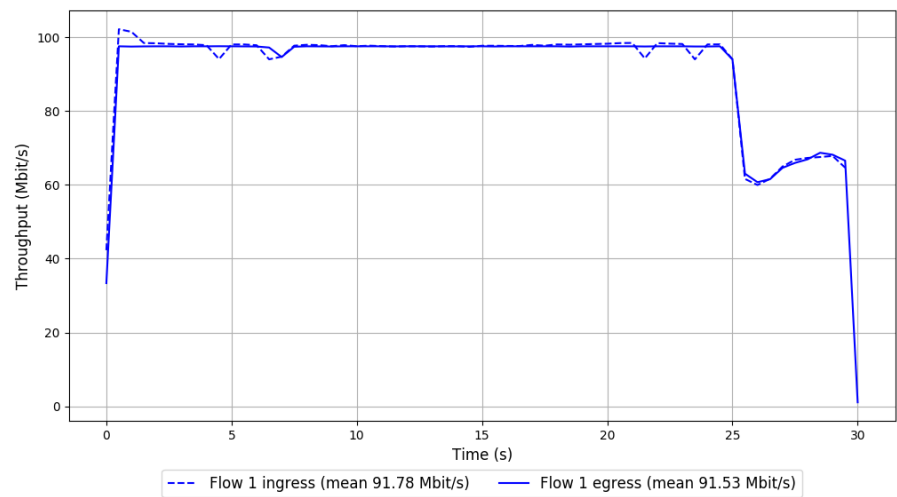Flow 1 (95th percentile 54.78 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2017-12-19 23:38:52
End at: 2017-12-19 23:39:22
Local clock offset: -1.387 ms
Remote clock offset: -1.843 ms

# Below is generated by plot.py at 2017-12-20 02:25:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 61.817 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 61.817 ms
Loss rate: 0.23%
```
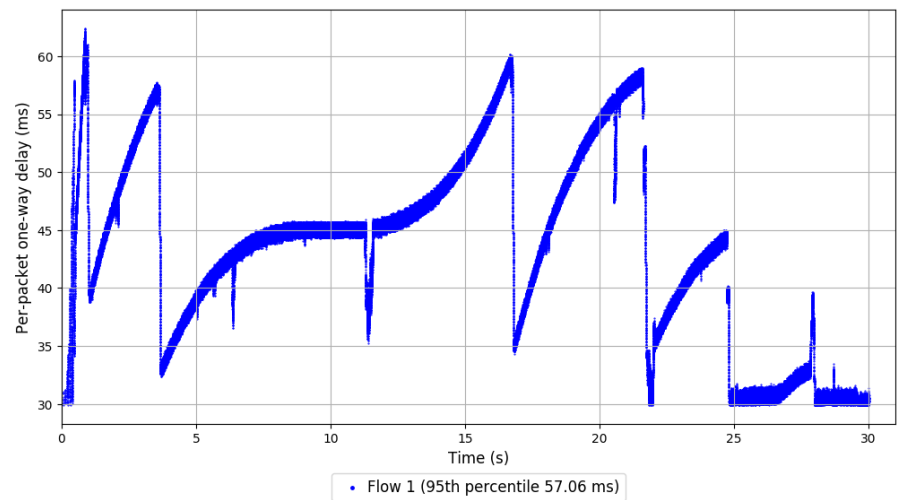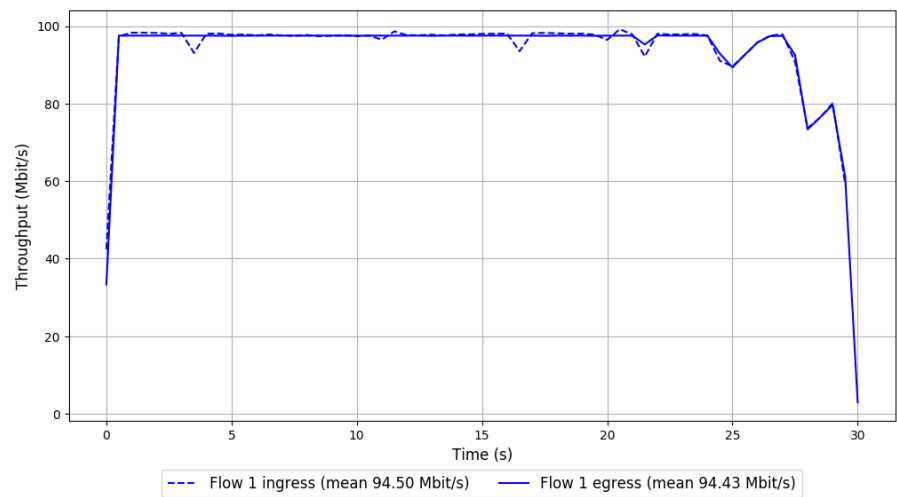
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 95.63 Mbit/s)   Flow 1 egress (mean 95.35 Mbit/s)

Flow 1 (95th percentile 61.82 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2017-12-19 23:58:45
End at: 2017-12-19 23:59:15
Local clock offset: -1.587 ms
Remote clock offset: -1.106 ms


# Below is generated by plot.py at 2017-12-20 02:25:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.53 Mbit/s
95th percentile per-packet one-way delay: 64.743 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 91.53 Mbit/s
95th percentile per-packet one-way delay: 64.743 ms
Loss rate: 0.27%
```

Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 91.78 Mbit/s)   Flow 1 egress (mean 91.53 Mbit/s)

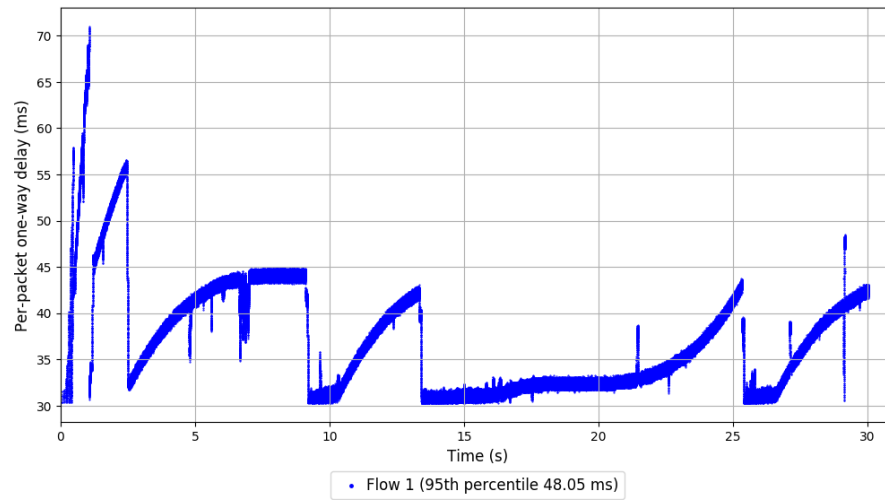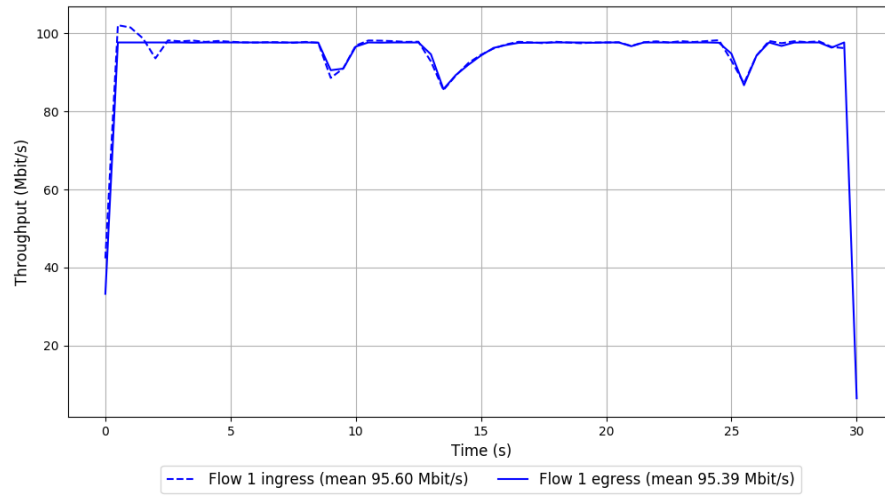

• Flow 1 (95th percentile 64.74 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2017-12-20 00:18:50
End at: 2017-12-20 00:19:20
Local clock offset: -1.904 ms
Remote clock offset: -1.717 ms


# Below is generated by plot.py at 2017-12-20 02:25:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 57.056 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 57.056 ms
Loss rate: 0.08%
```
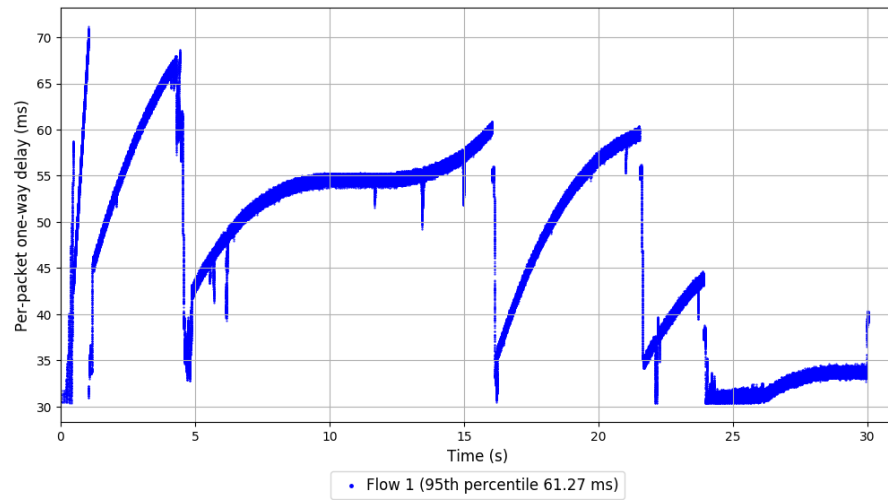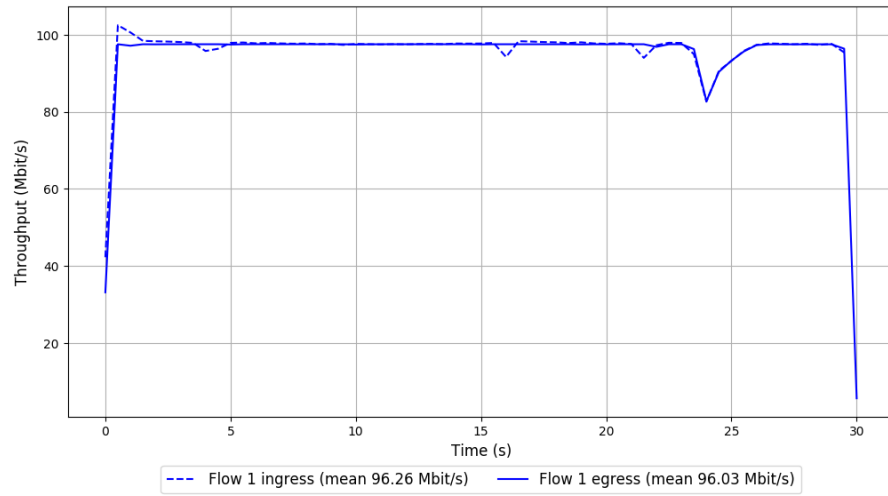
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 94.50 Mbit/s) ---- Flow 1 egress (mean 94.43 Mbit/s) ——

• Flow 1 (95th percentile 57.06 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2017-12-20 00:39:38
End at: 2017-12-20 00:40:08
Local clock offset: -2.245 ms
Remote clock offset: -2.028 ms


# Below is generated by plot.py at 2017-12-20 02:26:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 48.049 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 48.049 ms
Loss rate: 0.17%
```
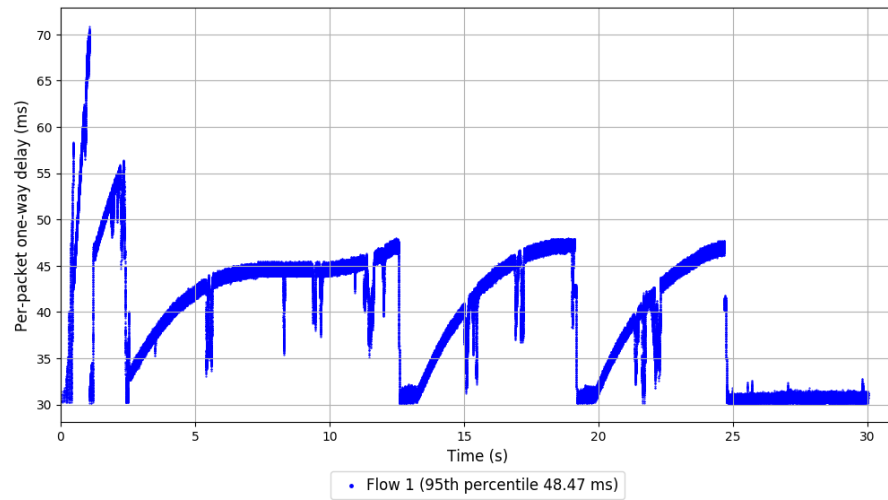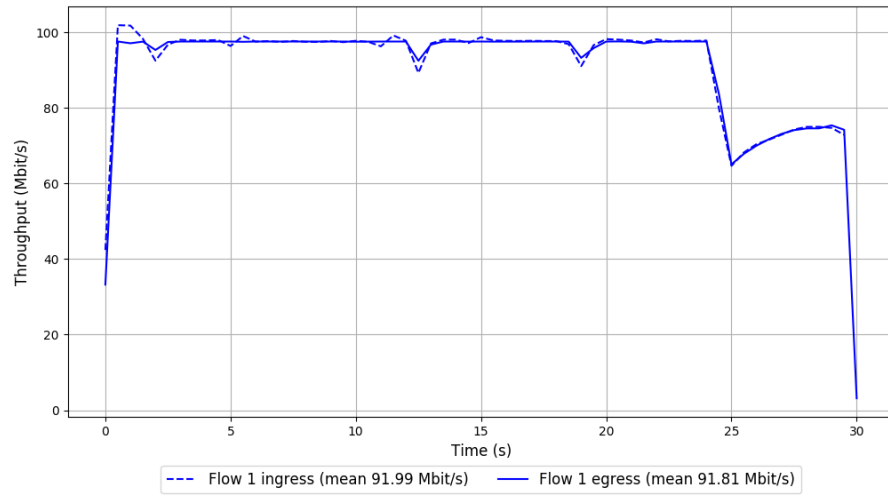
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 95.60 Mbit/s) ——— Flow 1 egress (mean 95.39 Mbit/s)

• Flow 1 (95th percentile 48.05 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2017-12-20 01:00:17
End at: 2017-12-20 01:00:47
Local clock offset: -2.571 ms
Remote clock offset: -1.456 ms


# Below is generated by plot.py at 2017-12-20 02:26:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 61.267 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 61.267 ms
Loss rate: 0.22%
```
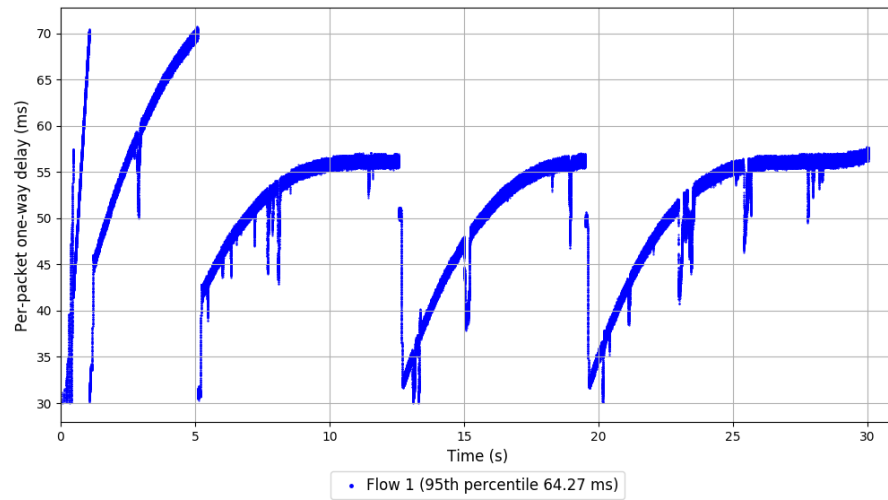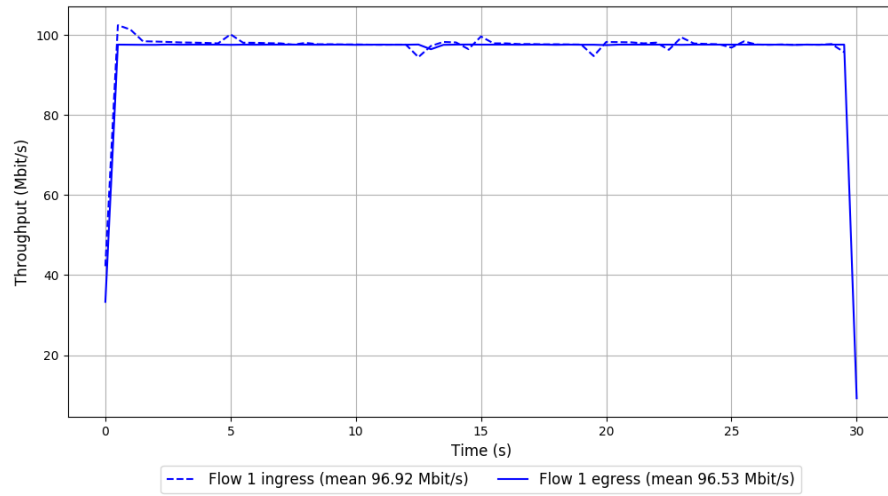
Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: 2017-12-20 01:20:51
End at: 2017-12-20 01:21:21
Local clock offset: -2.298 ms
Remote clock offset: -0.521 ms


# Below is generated by plot.py at 2017-12-20 02:26:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.81 Mbit/s
95th percentile per-packet one-way delay: 48.465 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 91.81 Mbit/s
95th percentile per-packet one-way delay: 48.465 ms
Loss rate: 0.20%
```

Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 91.99 Mbit/s)   Flow 1 egress (mean 91.81 Mbit/s)

Flow 1 (95th percentile 48.47 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2017-12-20 01:41:31
End at: 2017-12-20 01:42:01
Local clock offset: -2.284 ms
Remote clock offset: 0.224 ms


# Below is generated by plot.py at 2017-12-20 02:26:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 64.273 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: 64.273 ms
Loss rate: 0.31%
```

Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 96.92 Mbit/s)   Flow 1 egress (mean 96.53 Mbit/s)

Flow 1 (95th percentile 64.27 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2017-12-19 22:48:52
End at: 2017-12-19 22:49:22
Local clock offset: -1.337 ms
Remote clock offset: -3.33 ms
```

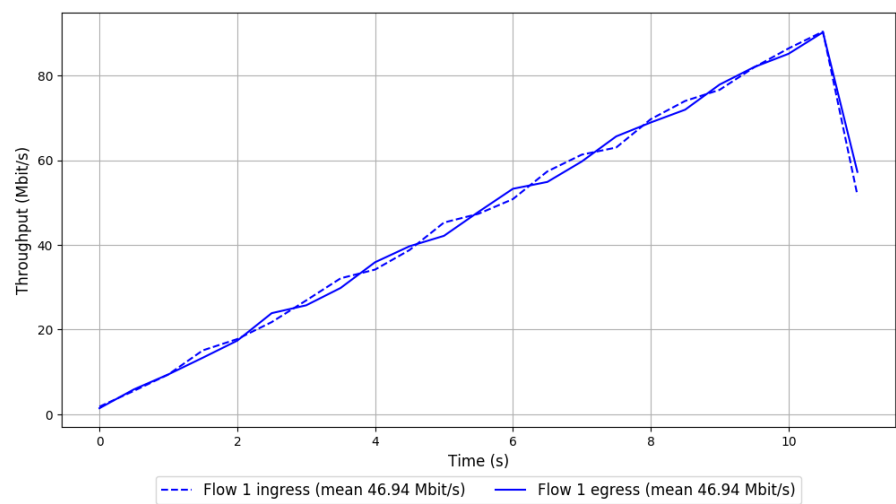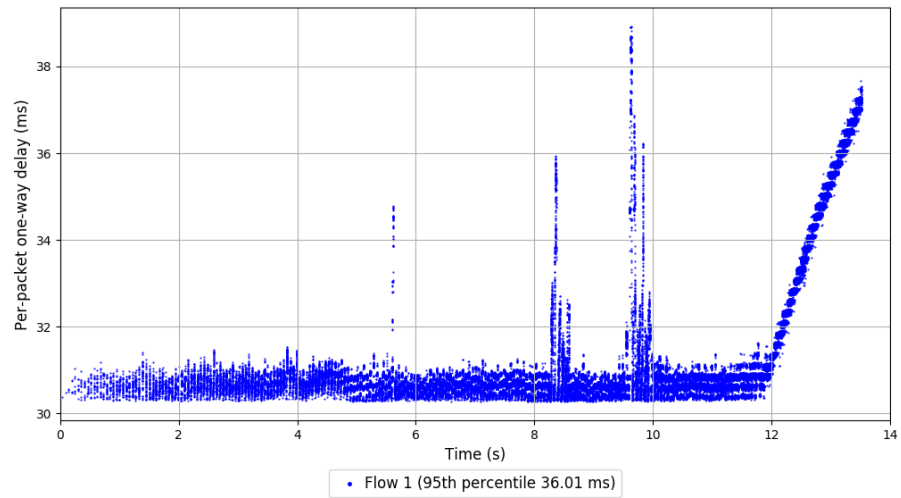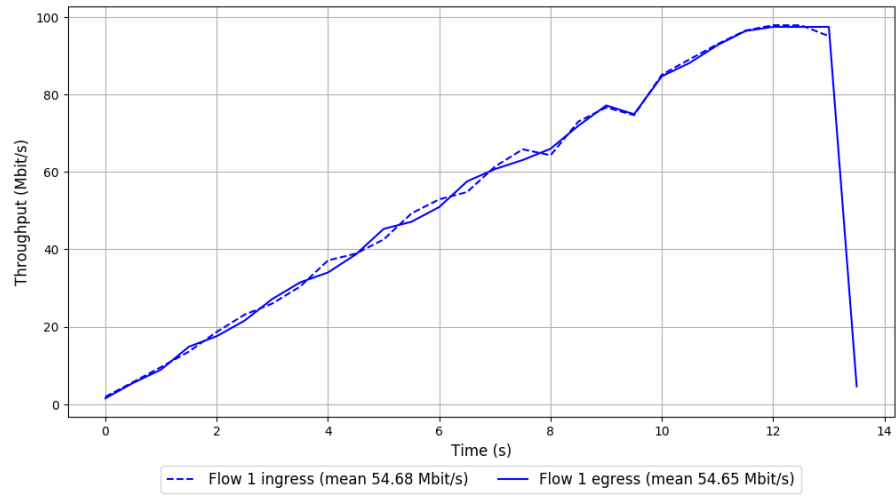# Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2017-12-19 23:08:56
End at: 2017-12-19 23:09:26
Local clock offset: -1.224 ms
Remote clock offset: -4.881 ms
```
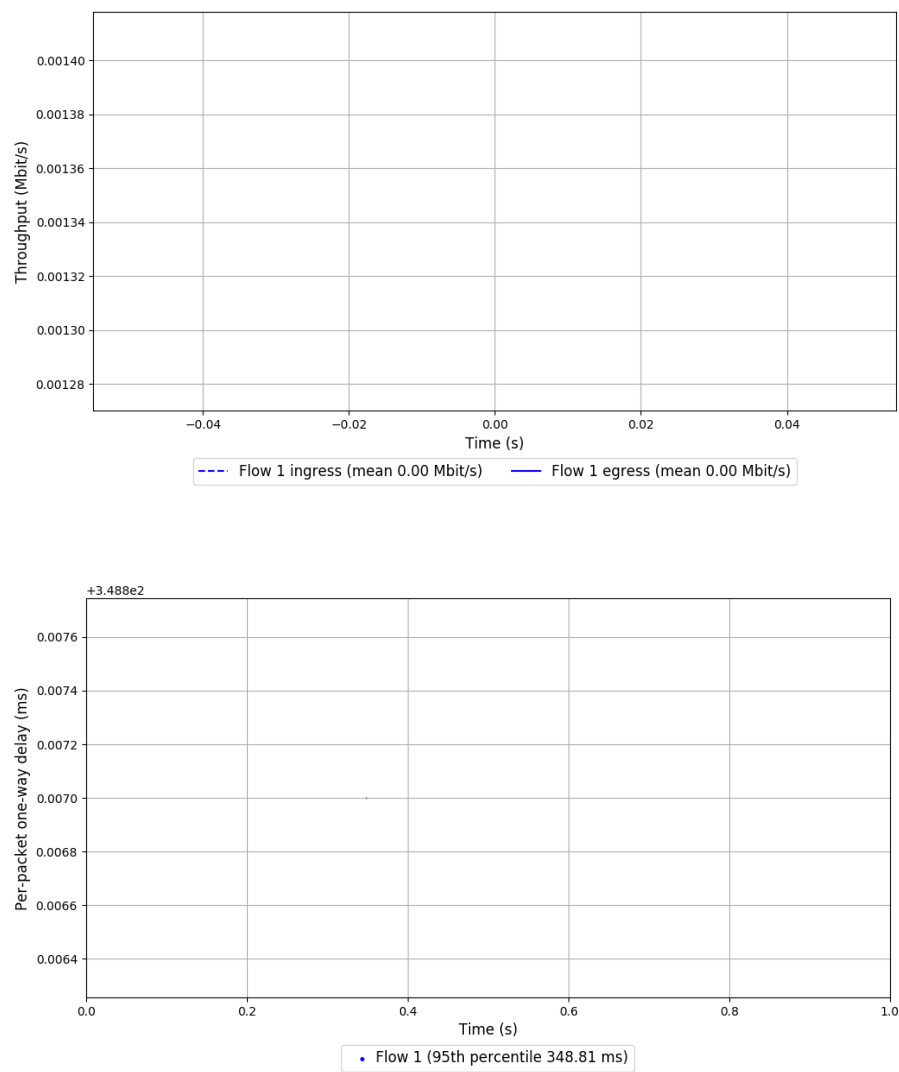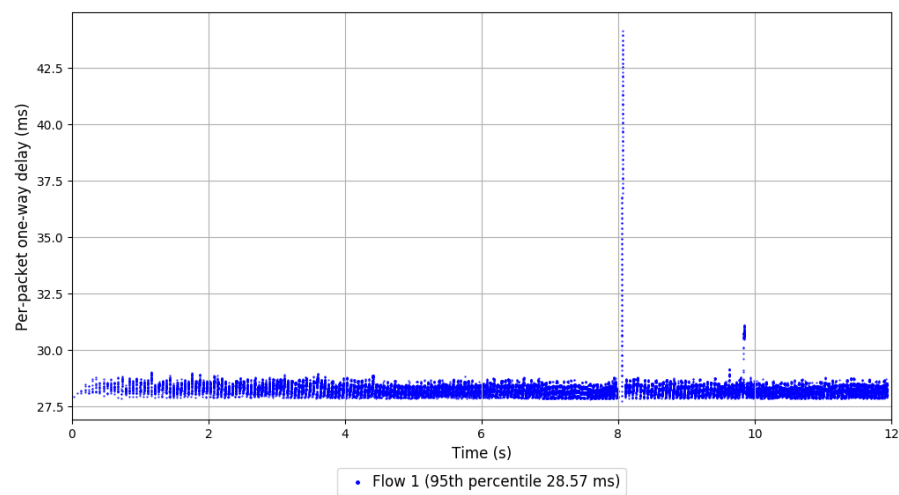
Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 46.94 Mbit/s) ----   Flow 1 egress (mean 46.94 Mbit/s) ——

Flow 1 (95th percentile 28.46 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2017-12-19 23:29:18
End at: 2017-12-19 23:29:49
Local clock offset: -1.224 ms
Remote clock offset: -1.738 ms
```

Run 3: Report of LEDBAT — Data Link
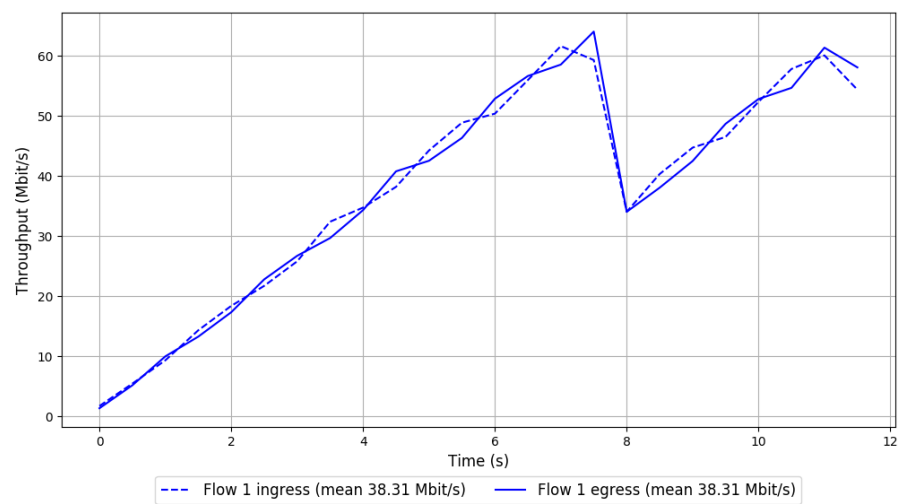
```
Run 4: Statistics of LEDBAT

Start at: 2017-12-19 23:49:25
End at: 2017-12-19 23:49:55
Local clock offset: -1.441 ms
Remote clock offset: -0.835 ms
```

Run 4: Report of LEDBAT — Data Link

Throughput (Mbit/s) vs Time (s)

- - - Flow 1 ingress (mean 0.00 Mbit/s) ——— Flow 1 egress (mean 0.00 Mbit/s)

+3.488e2

Per-packet one-way delay (ms) vs Time (s)

• Flow 1 (95th percentile 348.81 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2017-12-20 00:09:23
End at: 2017-12-20 00:09:53
Local clock offset: -1.815 ms
Remote clock offset: -3.434 ms
```

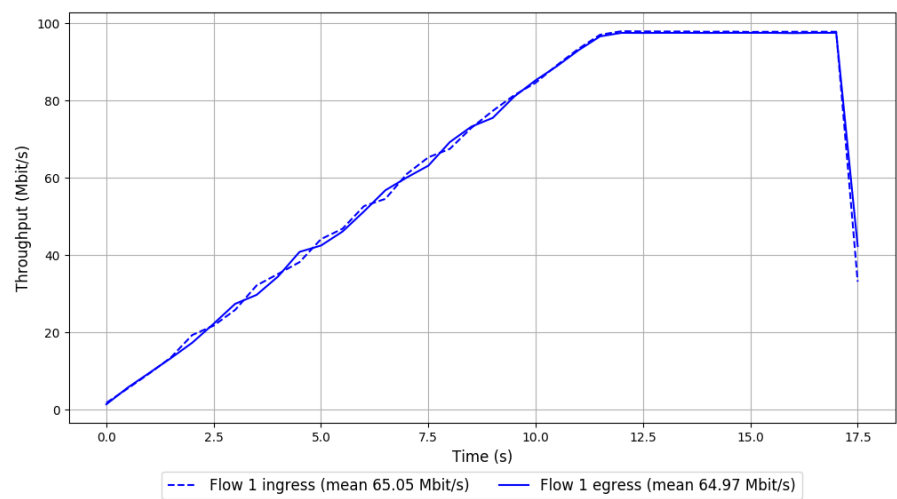# Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2017-12-20 00:29:48
End at: 2017-12-20 00:30:18
Local clock offset: -2.068 ms
Remote clock offset: -4.327 ms
```
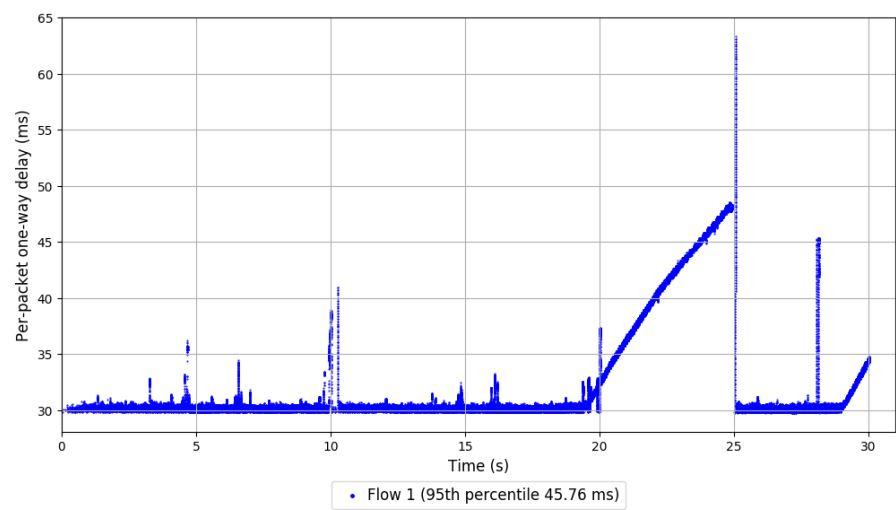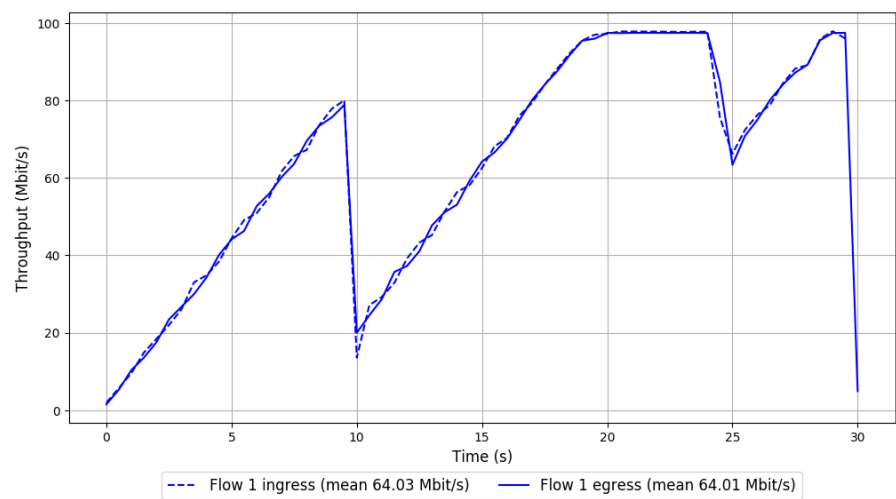
Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: 2017-12-20 00:50:38
End at: 2017-12-20 00:51:08
Local clock offset: -2.443 ms
Remote clock offset: -2.318 ms

# Below is generated by plot.py at 2017-12-20 02:26:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.01 Mbit/s
95th percentile per-packet one-way delay: 45.762 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 64.01 Mbit/s
95th percentile per-packet one-way delay: 45.762 ms
Loss rate: 0.02%
```

Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 64.03 Mbit/s)   Flow 1 egress (mean 64.01 Mbit/s)

Flow 1 (95th percentile 45.76 ms)

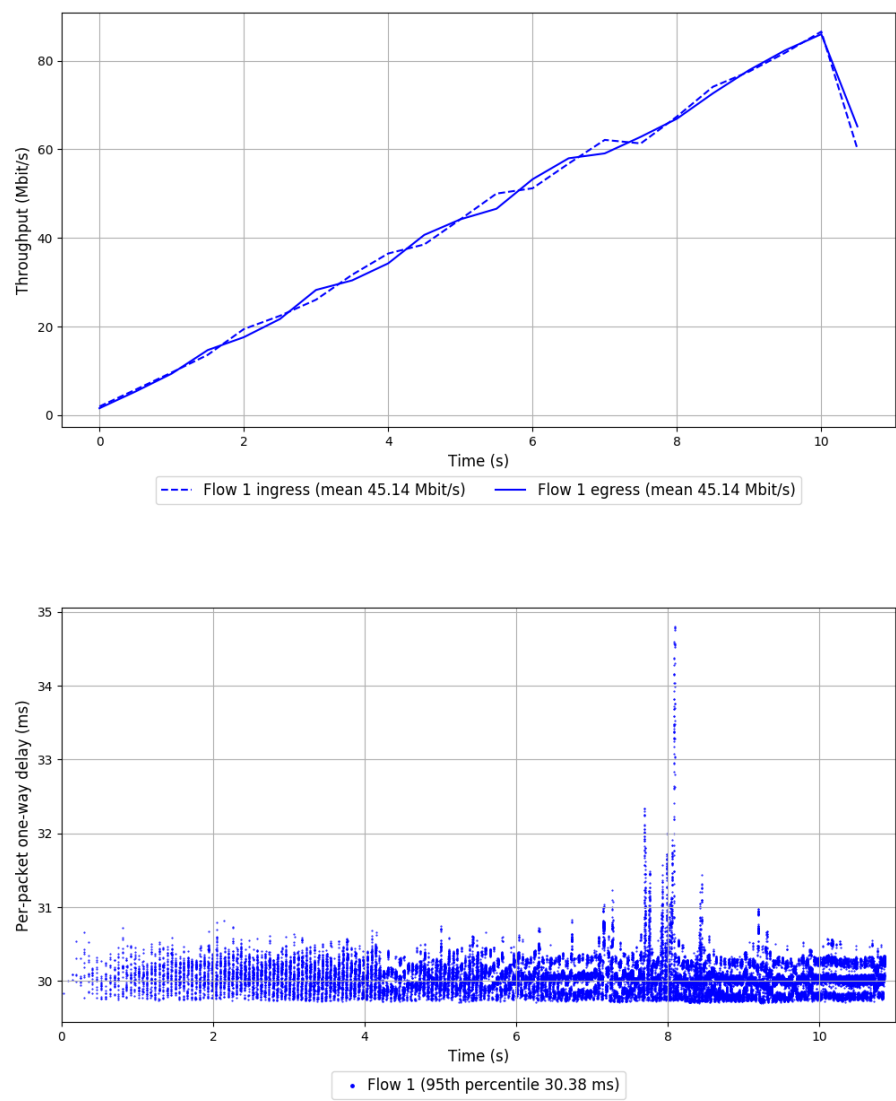```
Run 8: Statistics of LEDBAT

Start at: 2017-12-20 01:11:03
End at: 2017-12-20 01:11:33
Local clock offset: -2.304 ms
Remote clock offset: -1.556 ms
```
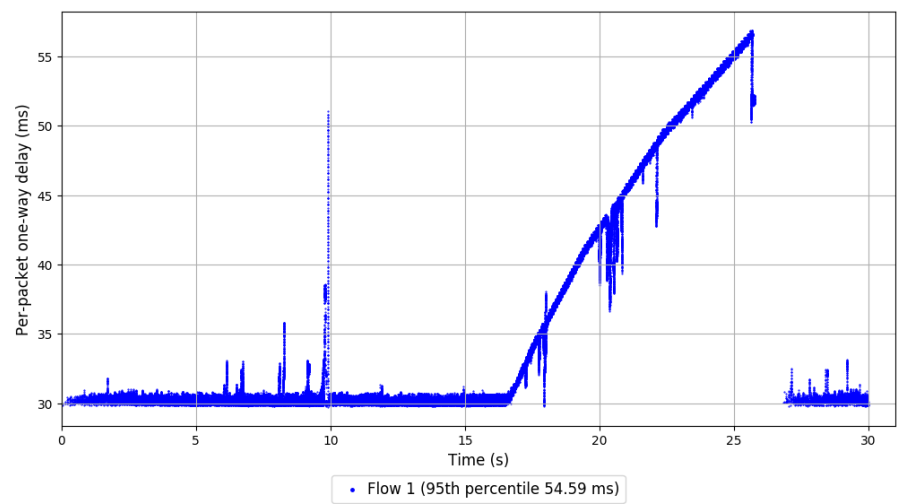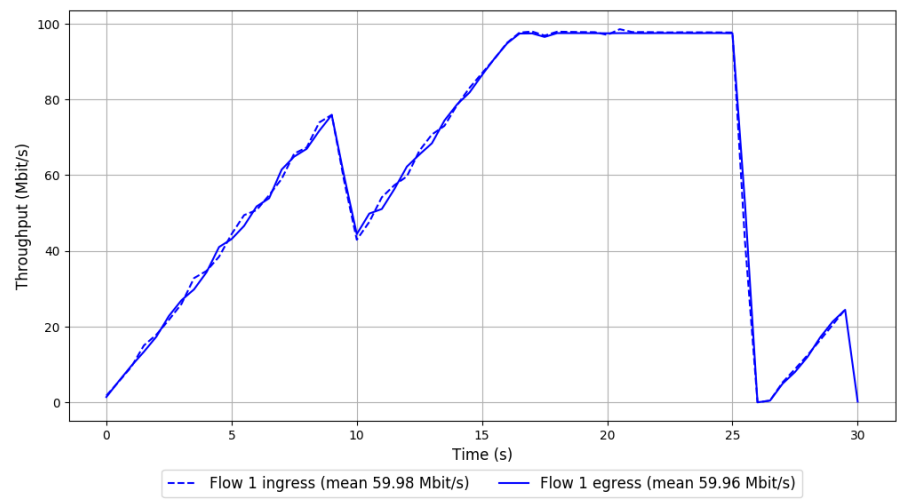
## Run 8: Report of LEDBAT — Data Link



Flow 1 ingress (mean 45.14 Mbit/s) ----  Flow 1 egress (mean 45.14 Mbit/s) ——



• Flow 1 (95th percentile 30.38 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2017-12-20 01:31:40
End at: 2017-12-20 01:32:10
Local clock offset: -2.34 ms
Remote clock offset: -0.333 ms

Below is generated by plot.py at 2017-12-20 02:26:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 59.96 Mbit/s
95th percentile per-packet one-way delay: 54.585 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.96 Mbit/s
95th percentile per-packet one-way delay: 54.585 ms
Loss rate: 0.03%
```
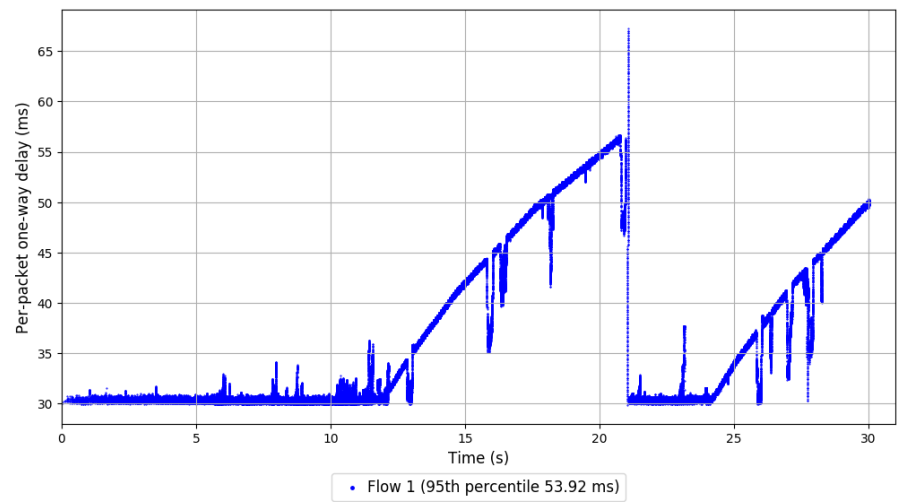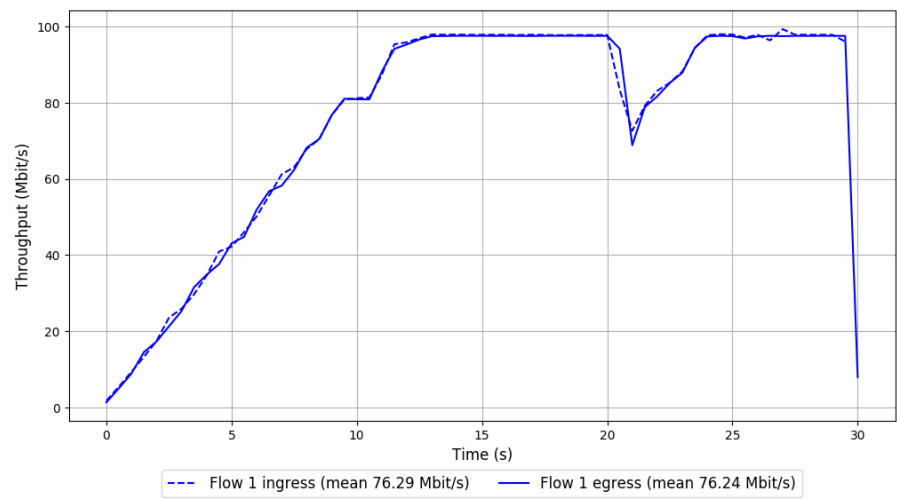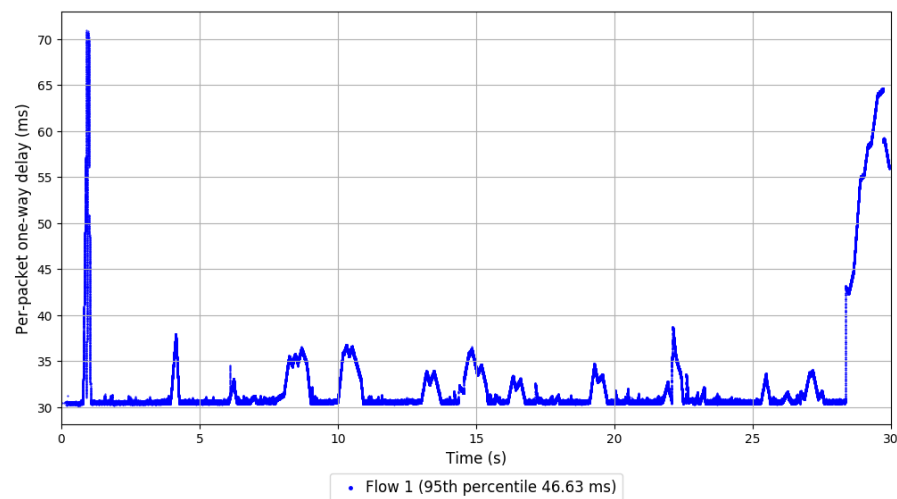
Run 9: Report of LEDBAT — Data Link



Flow 1 ingress (mean 59.98 Mbit/s) --- Flow 1 egress (mean 59.96 Mbit/s)



• Flow 1 (95th percentile 54.59 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2017-12-20 01:52:26
End at: 2017-12-20 01:52:56
Local clock offset: -2.258 ms
Remote clock offset: 0.536 ms


# Below is generated by plot.py at 2017-12-20 02:26:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.24 Mbit/s
95th percentile per-packet one-way delay: 53.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.24 Mbit/s
95th percentile per-packet one-way delay: 53.921 ms
Loss rate: 0.00%
```

Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 76.29 Mbit/s)   Flow 1 egress (mean 76.24 Mbit/s)

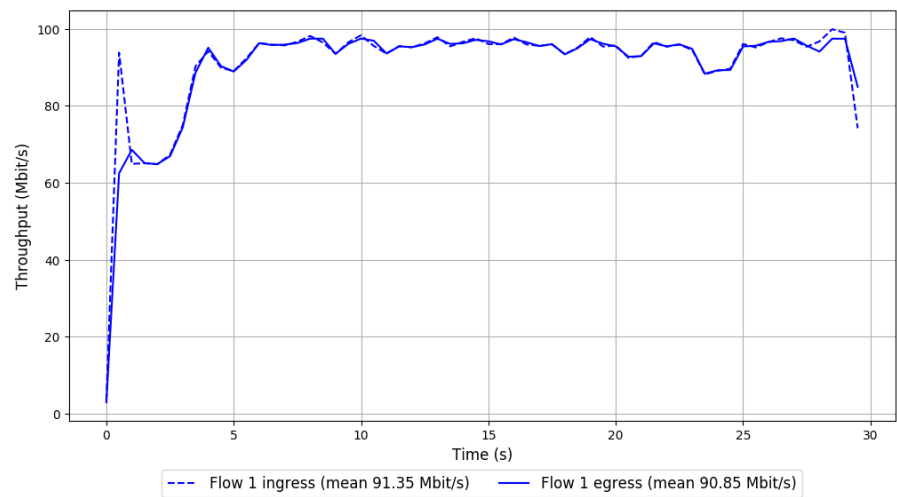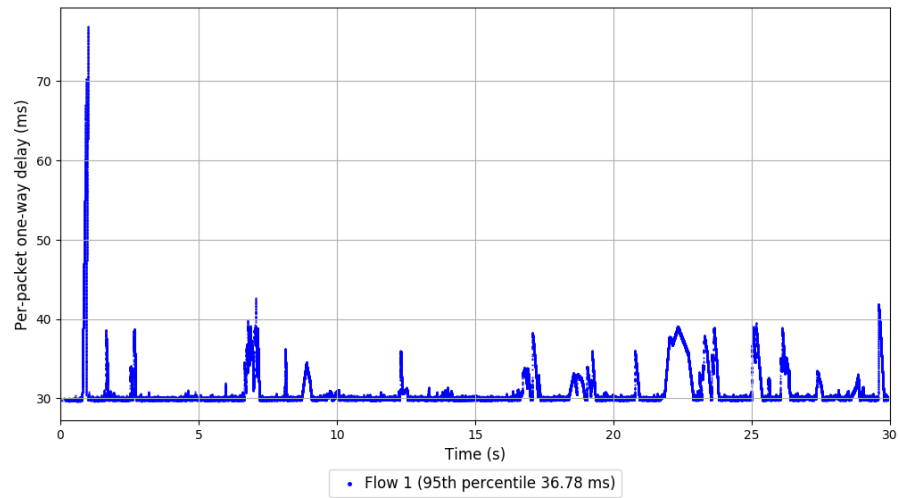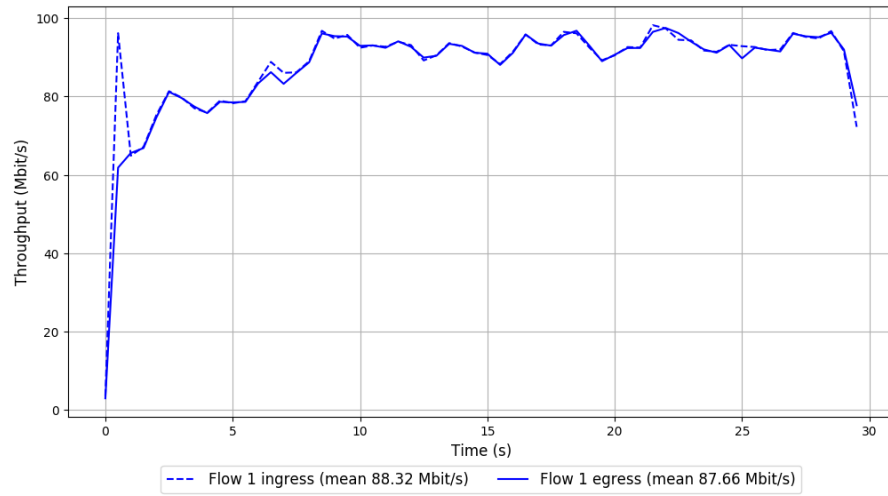Flow 1 (95th percentile 53.92 ms)

```
Run 1: Statistics of PCC

Start at: 2017-12-19 22:45:01
End at: 2017-12-19 22:45:31
Local clock offset: -1.427 ms
Remote clock offset: -3.005 ms


# Below is generated by plot.py at 2017-12-20 02:26:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 46.629 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 46.629 ms
Loss rate: 0.48%
```

Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 91.35 Mbit/s)   Flow 1 egress (mean 90.85 Mbit/s)

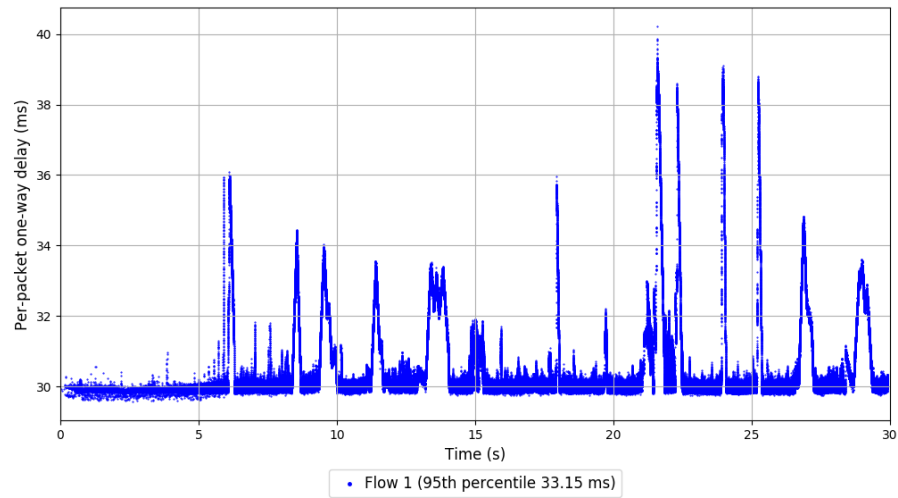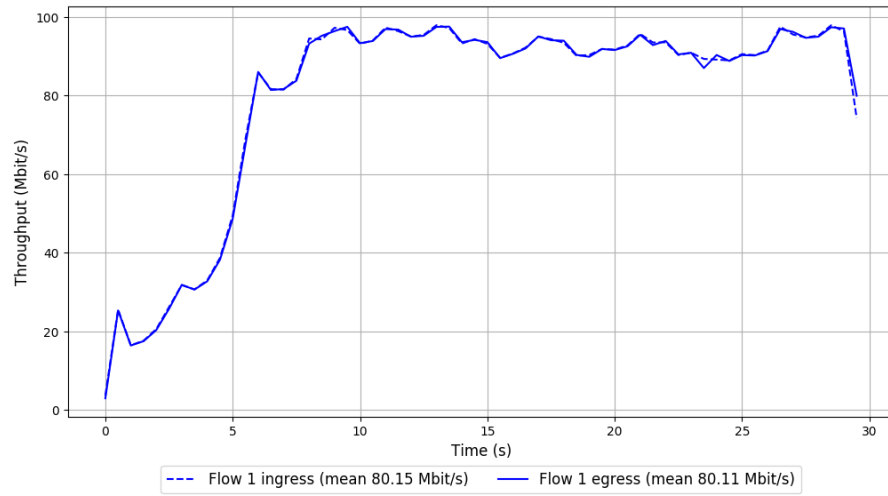• Flow 1 (95th percentile 46.63 ms)

```
Run 2: Statistics of PCC

Start at: 2017-12-19 23:04:58
End at: 2017-12-19 23:05:28
Local clock offset: -1.164 ms
Remote clock offset: -2.914 ms


# Below is generated by plot.py at 2017-12-20 02:27:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: 36.784 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 87.66 Mbit/s
95th percentile per-packet one-way delay: 36.784 ms
Loss rate: 0.75%
```

Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 88.32 Mbit/s)   Flow 1 egress (mean 87.66 Mbit/s)

• Flow 1 (95th percentile 36.78 ms)

```
Run 3: Statistics of PCC

Start at: 2017-12-19 23:25:17
End at: 2017-12-19 23:25:47
Local clock offset: -1.183 ms
Remote clock offset: -2.379 ms


# Below is generated by plot.py at 2017-12-20 02:27:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 33.153 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 33.153 ms
Loss rate: 0.05%
```
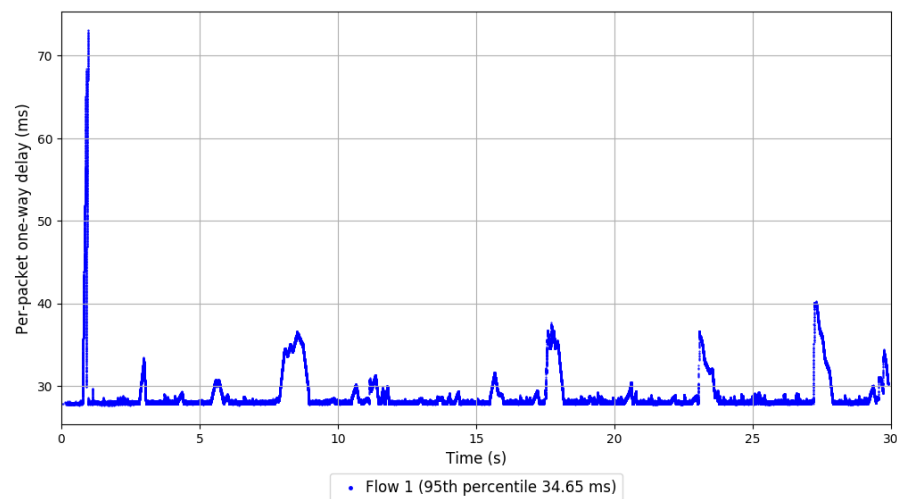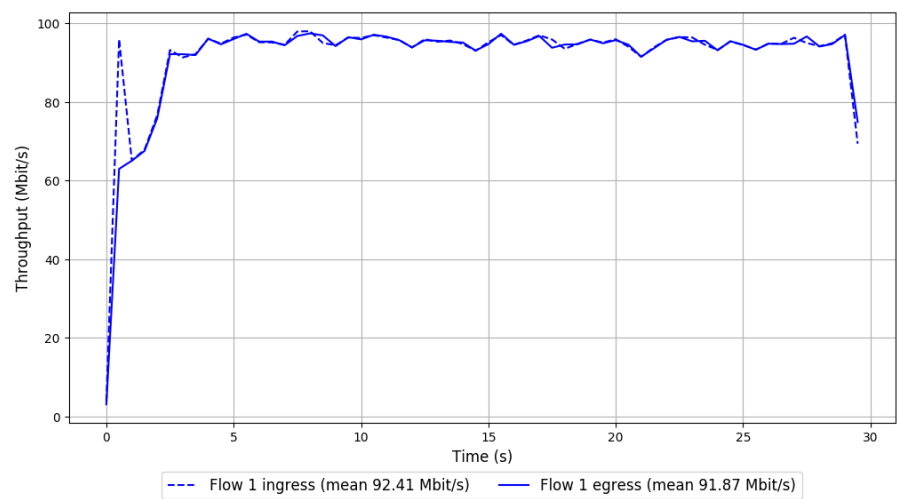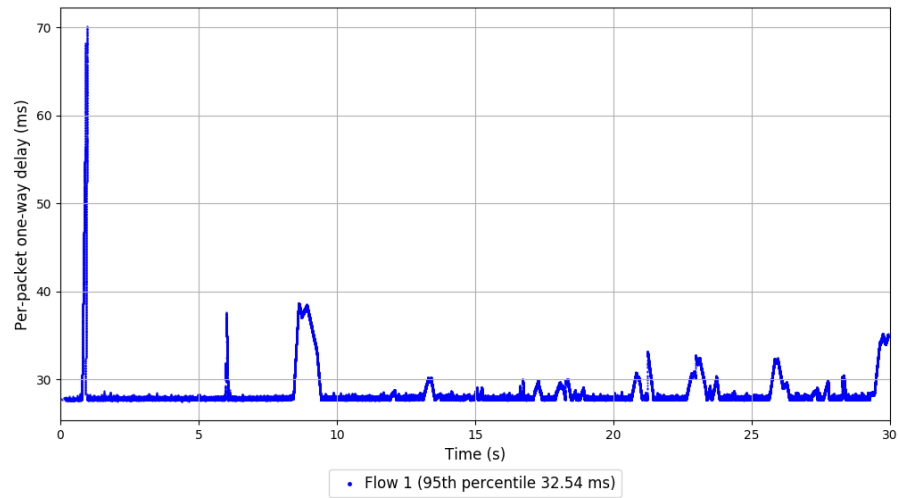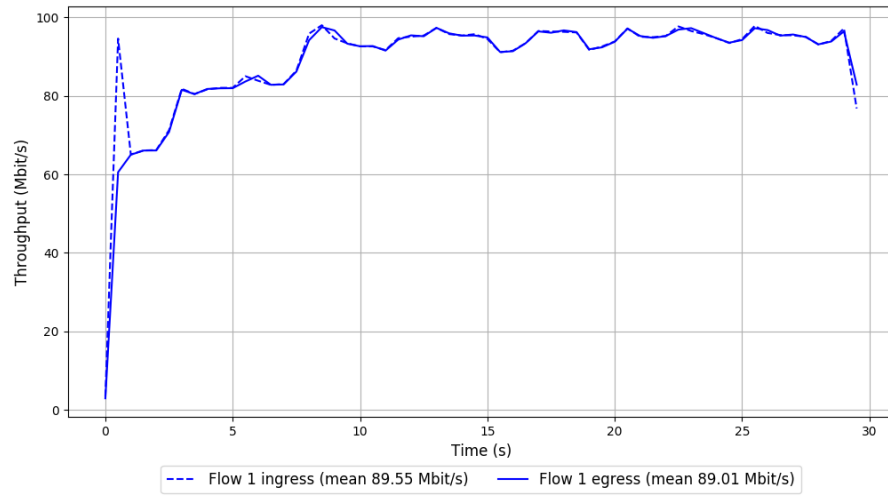
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 80.15 Mbit/s) --- Flow 1 egress (mean 80.11 Mbit/s)

Flow 1 (95th percentile 33.15 ms)

69

```
Run 4: Statistics of PCC

Start at: 2017-12-19 23:45:29
End at: 2017-12-19 23:45:59
Local clock offset: -1.508 ms
Remote clock offset: -3.59 ms


# Below is generated by plot.py at 2017-12-20 02:27:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 34.651 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 91.87 Mbit/s
95th percentile per-packet one-way delay: 34.651 ms
Loss rate: 0.57%
```
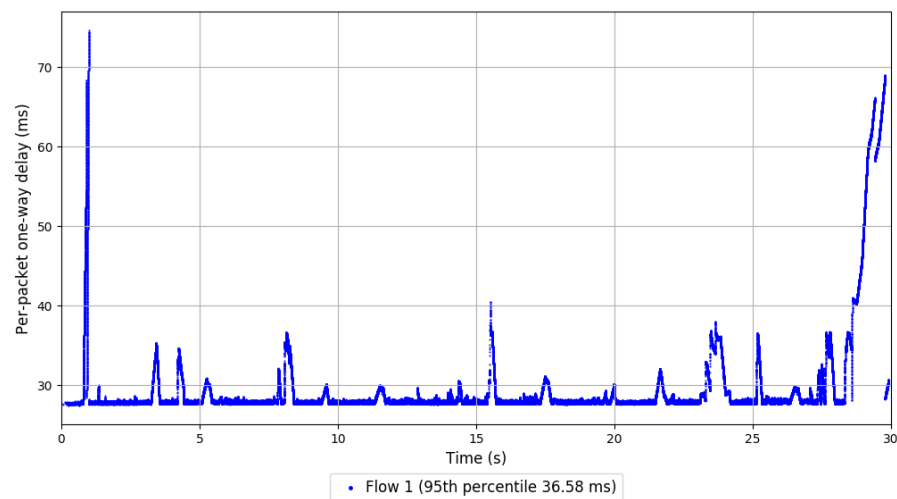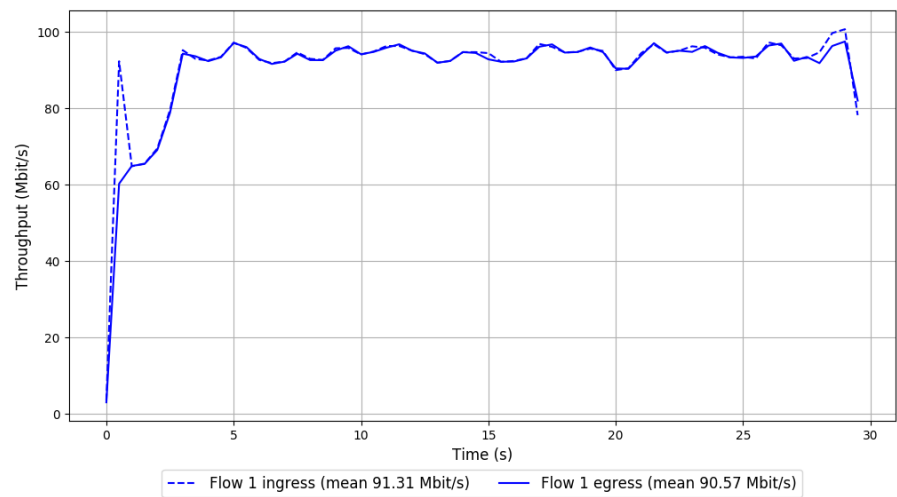
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 92.41 Mbit/s)   Flow 1 egress (mean 91.87 Mbit/s)

Flow 1 (95th percentile 34.65 ms)

71

```
Run 5: Statistics of PCC

Start at: 2017-12-20 00:05:28
End at: 2017-12-20 00:05:58
Local clock offset: -1.661 ms
Remote clock offset: -3.388 ms


# Below is generated by plot.py at 2017-12-20 02:27:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 32.537 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 32.537 ms
Loss rate: 0.58%
```

Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 89.55 Mbit/s)   —— Flow 1 egress (mean 89.01 Mbit/s)

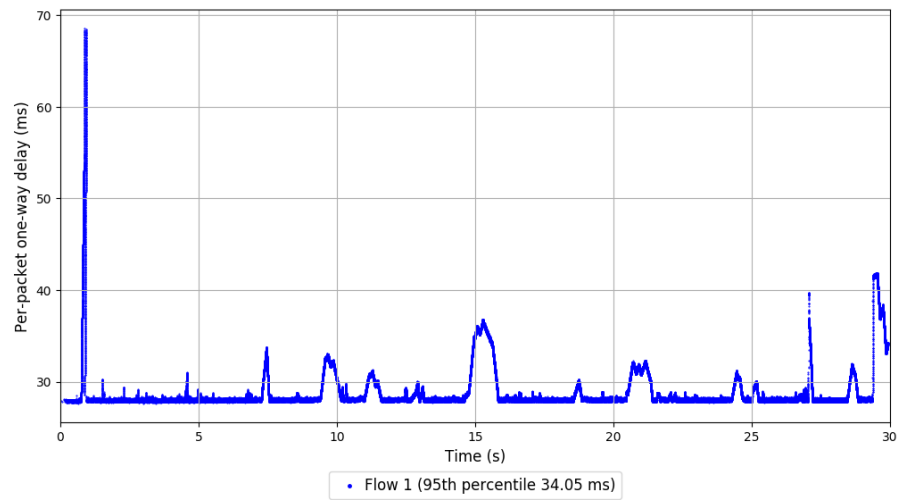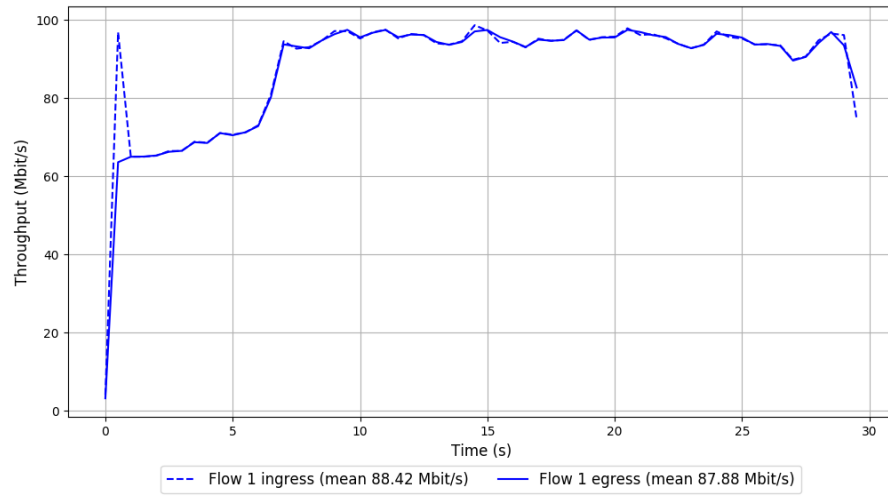• Flow 1 (95th percentile 32.54 ms)

```
Run 6: Statistics of PCC

Start at: 2017-12-20 00:25:43
End at: 2017-12-20 00:26:13
Local clock offset: -1.999 ms
Remote clock offset: -4.262 ms


# Below is generated by plot.py at 2017-12-20 02:27:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 36.582 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 36.582 ms
Loss rate: 0.80%
```

Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 91.31 Mbit/s)   Flow 1 egress (mean 90.57 Mbit/s)

Flow 1 (95th percentile 36.58 ms)

```
Run 7: Statistics of PCC

Start at: 2017-12-20 00:46:33
End at: 2017-12-20 00:47:03
Local clock offset: -2.344 ms
Remote clock offset: -4.381 ms


# Below is generated by plot.py at 2017-12-20 02:27:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 34.051 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 34.051 ms
Loss rate: 0.59%
```
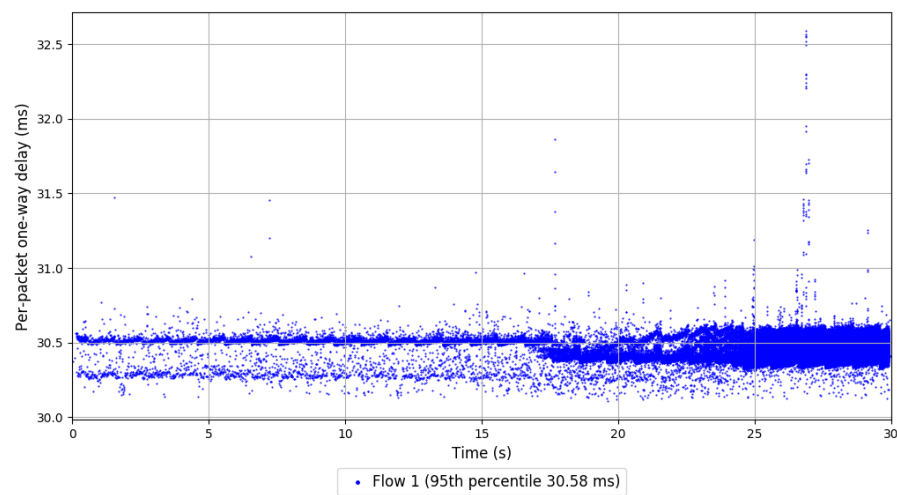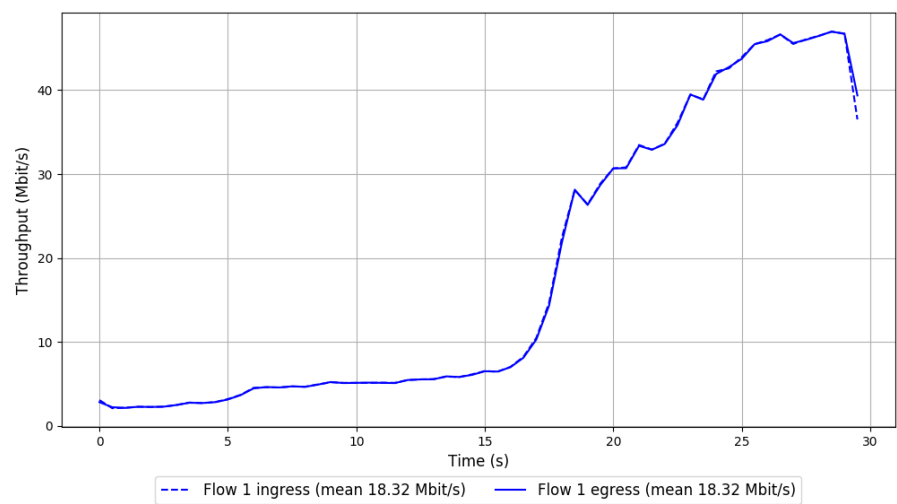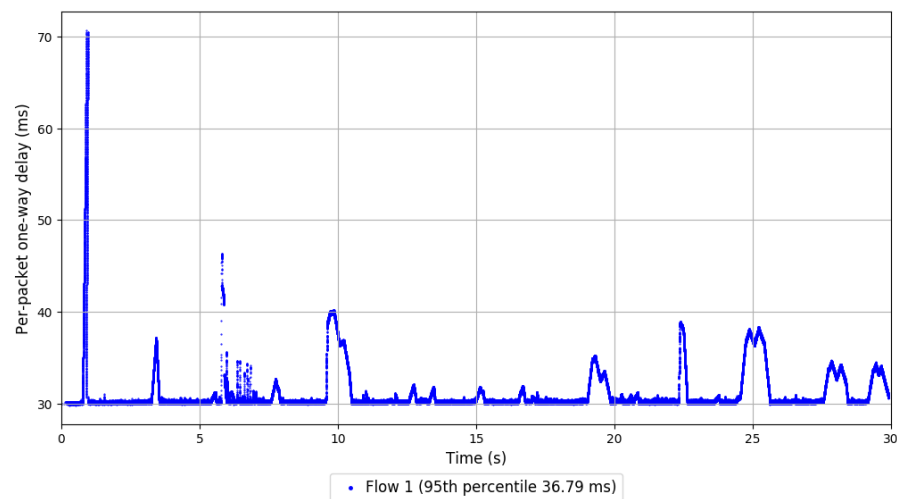
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 88.42 Mbit/s)   Flow 1 egress (mean 87.88 Mbit/s)

Flow 1 (95th percentile 34.05 ms)

```
Run 8: Statistics of PCC

Start at: 2017-12-20 01:07:05
End at: 2017-12-20 01:07:35
Local clock offset: -2.477 ms
Remote clock offset: -1.24 ms


# Below is generated by plot.py at 2017-12-20 02:27:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 30.576 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 18.32 Mbit/s
95th percentile per-packet one-way delay: 30.576 ms
Loss rate: 0.00%
```
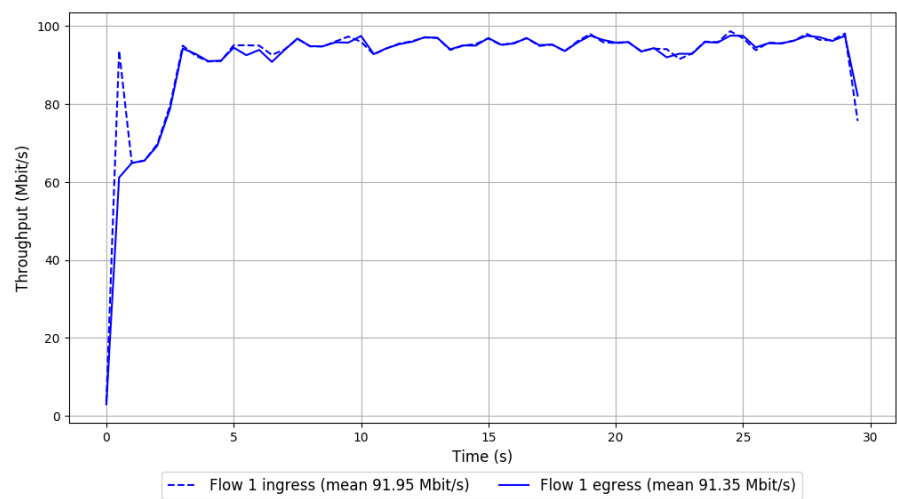
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 18.32 Mbit/s) — — — Flow 1 egress (mean 18.32 Mbit/s)

• Flow 1 (95th percentile 30.58 ms)

```
Run 9: Statistics of PCC

Start at: 2017-12-20 01:27:37
End at: 2017-12-20 01:28:07
Local clock offset: -2.365 ms
Remote clock offset: -0.433 ms


# Below is generated by plot.py at 2017-12-20 02:28:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 36.791 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 91.35 Mbit/s
95th percentile per-packet one-way delay: 36.791 ms
Loss rate: 0.65%
```
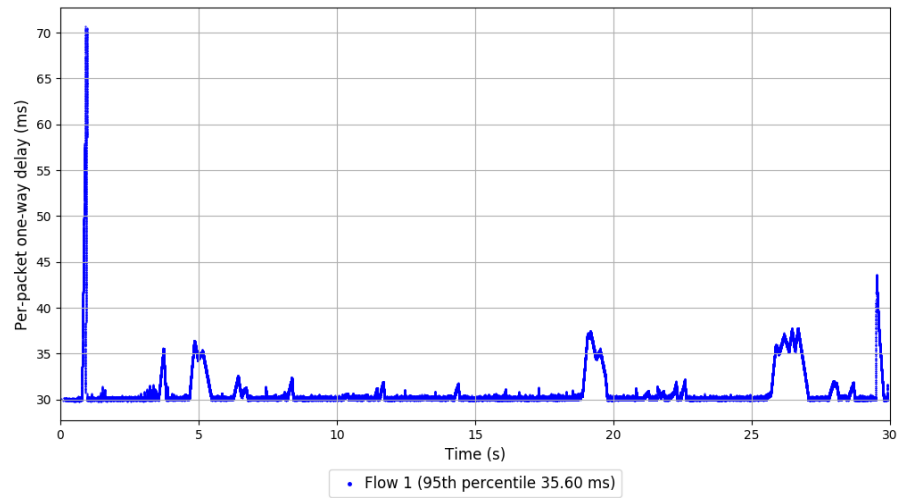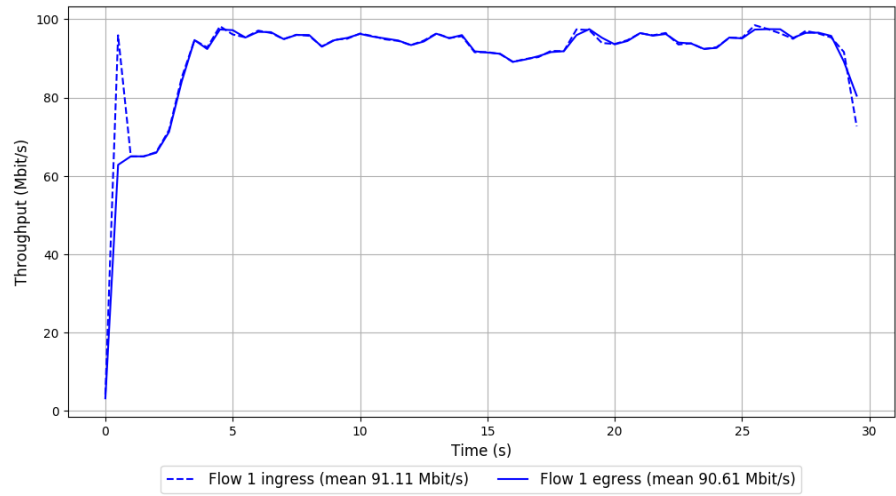
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 91.95 Mbit/s) Flow 1 egress (mean 91.35 Mbit/s)

Flow 1 (95th percentile 36.79 ms)

```
Run 10: Statistics of PCC

Start at: 2017-12-20 01:48:28
End at: 2017-12-20 01:48:58
Local clock offset: -2.28 ms
Remote clock offset: 0.377 ms


# Below is generated by plot.py at 2017-12-20 02:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 35.599 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: 35.599 ms
Loss rate: 0.56%
```
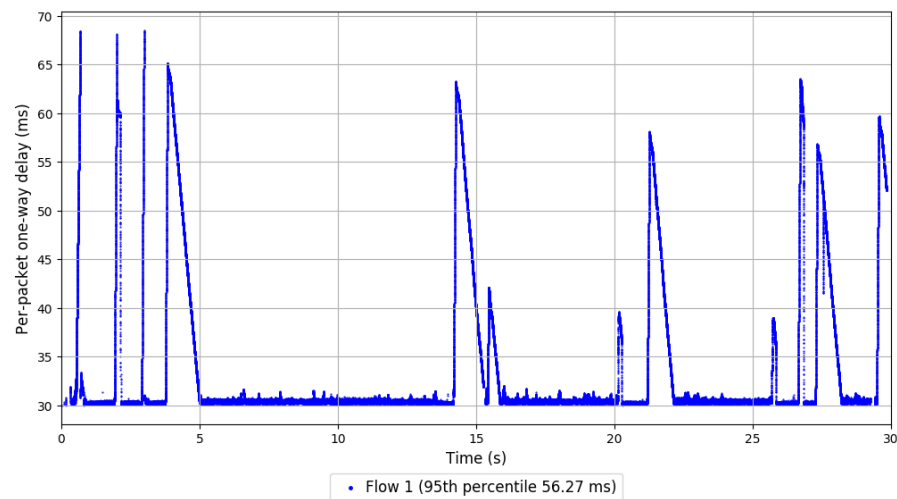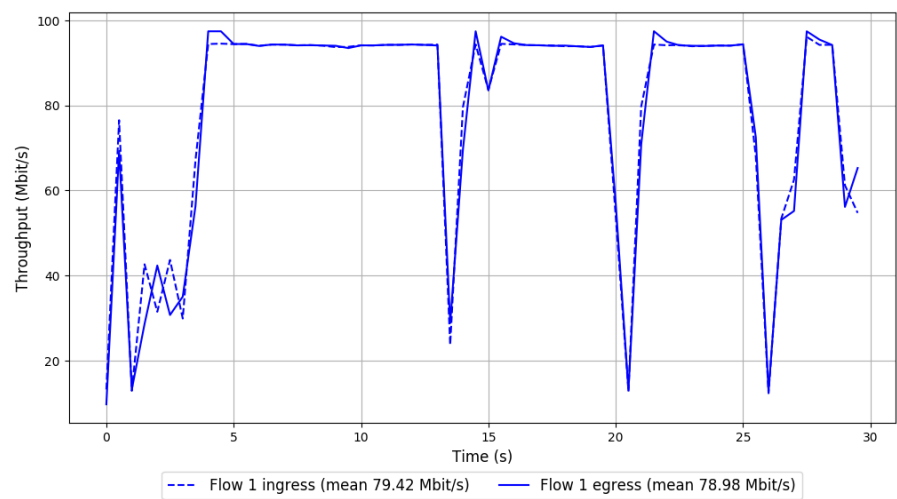
Run 10: Report of PCC — Data Link

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-12-19 22:47:36
End at: 2017-12-19 22:48:06
Local clock offset: -1.365 ms
Remote clock offset: -5.407 ms
```

Run 1: Report of QUIC Cubic — Data Link

--- Flow 1 ingress (mean 0.11 Mbit/s)   —— Flow 1 egress (mean 0.11 Mbit/s)

• Flow 1 (95th percentile 27.95 ms)

```
Run 2: Statistics of QUIC Cubic

Start at: 2017-12-19 23:07:35
End at: 2017-12-19 23:08:05
Local clock offset: -1.172 ms
Remote clock offset: -2.44 ms


# Below is generated by plot.py at 2017-12-20 02:28:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.98 Mbit/s
95th percentile per-packet one-way delay: 56.266 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 78.98 Mbit/s
95th percentile per-packet one-way delay: 56.266 ms
Loss rate: 0.48%
```
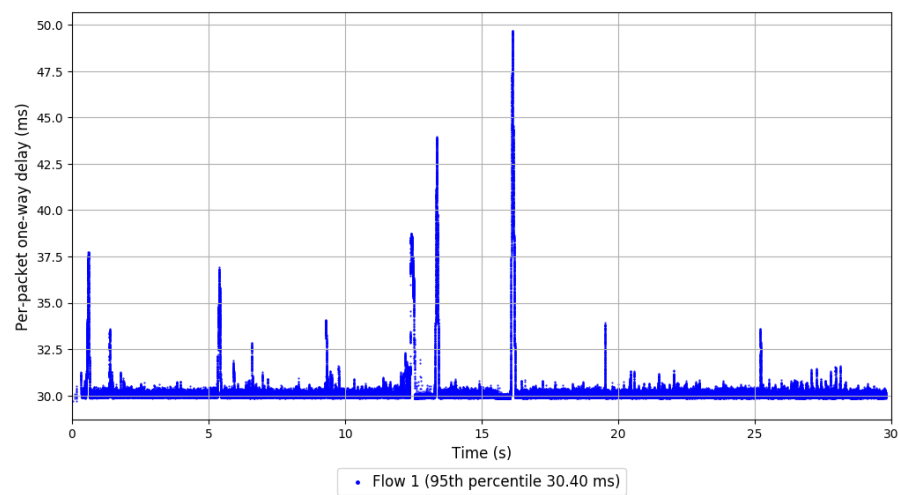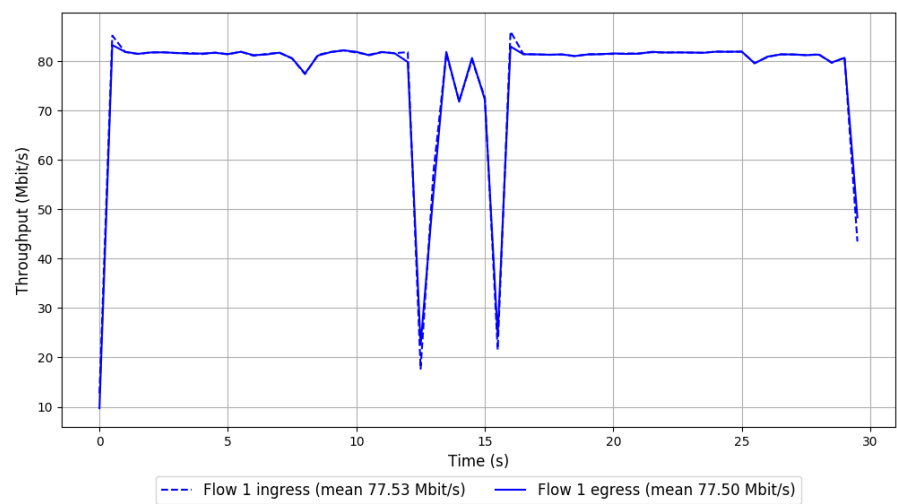
Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 79.42 Mbit/s)　　Flow 1 egress (mean 78.98 Mbit/s)

Flow 1 (95th percentile 56.27 ms)

```
Run 3: Statistics of QUIC Cubic

Start at: 2017-12-19 23:27:55
End at: 2017-12-19 23:28:25
Local clock offset: -1.297 ms
Remote clock offset: -2.306 ms


# Below is generated by plot.py at 2017-12-20 02:28:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 30.399 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 30.399 ms
Loss rate: 0.03%
```
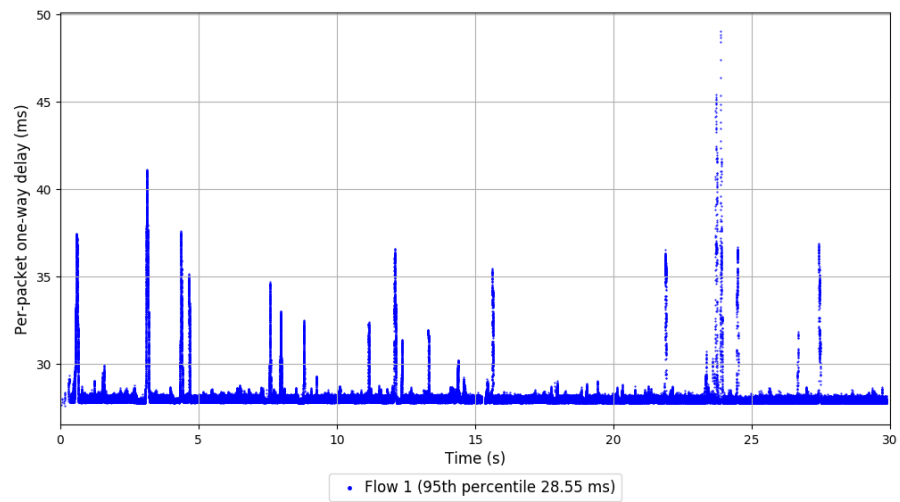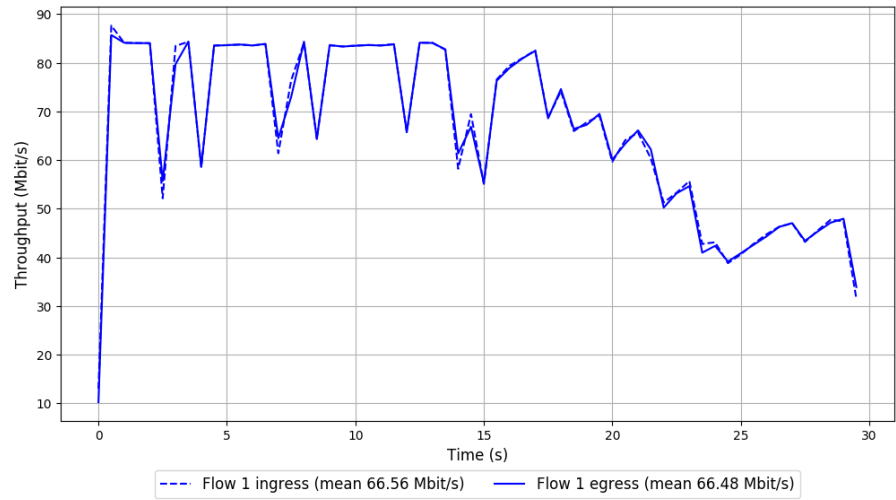
Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 77.53 Mbit/s) ----- Flow 1 egress (mean 77.50 Mbit/s)

Flow 1 (95th percentile 30.40 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-12-19 23:48:05
End at: 2017-12-19 23:48:35
Local clock offset: -1.525 ms
Remote clock offset: -3.474 ms


# Below is generated by plot.py at 2017-12-20 02:28:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 28.553 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 66.48 Mbit/s
95th percentile per-packet one-way delay: 28.553 ms
Loss rate: 0.12%
```
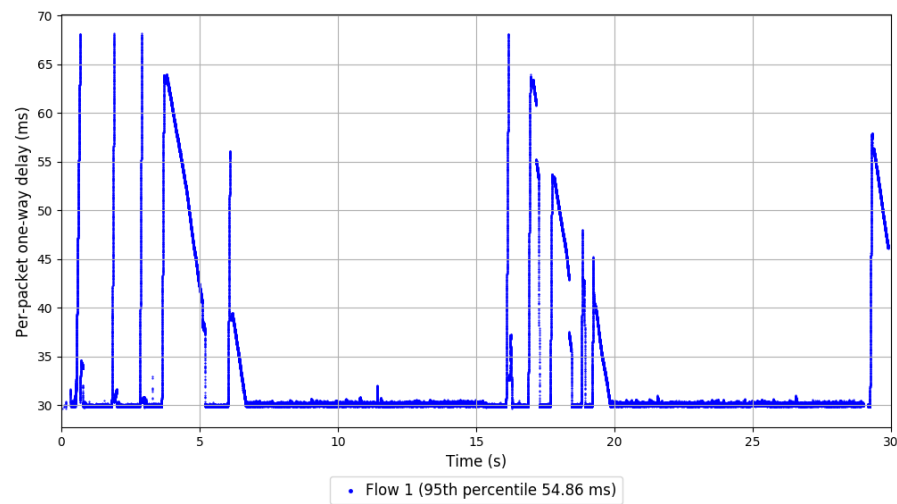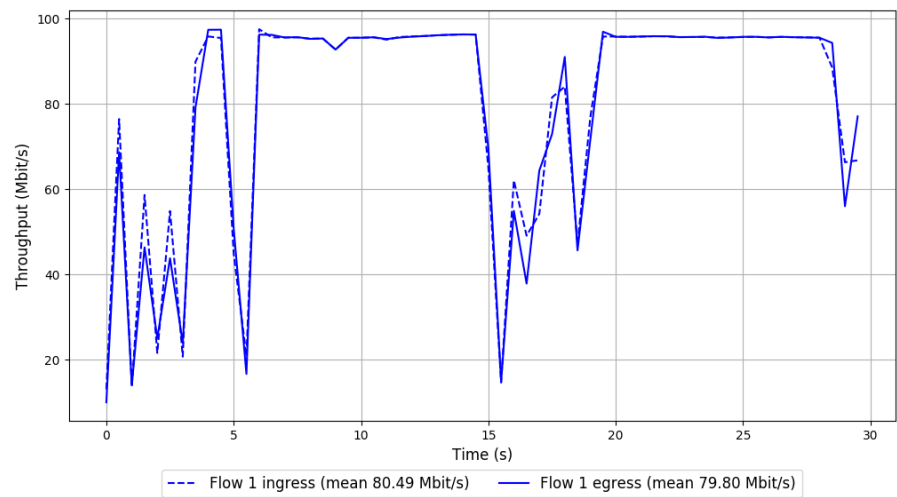
Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 66.56 Mbit/s)   Flow 1 egress (mean 66.48 Mbit/s)
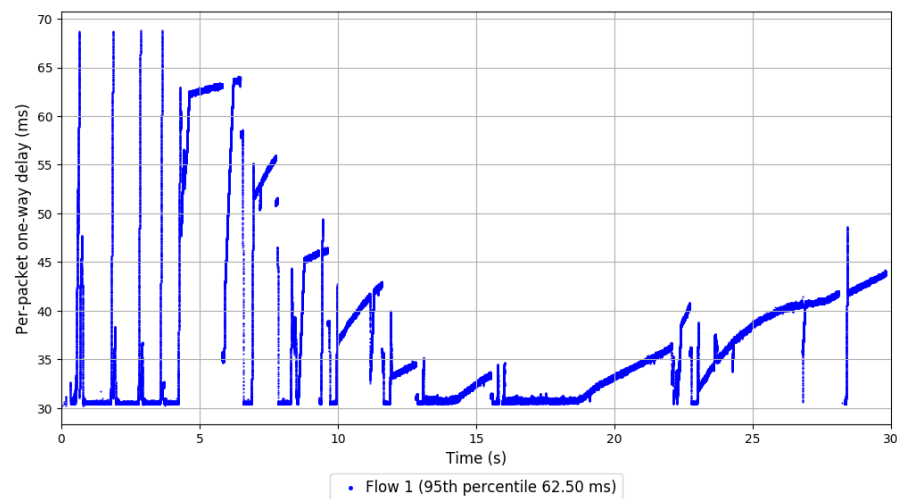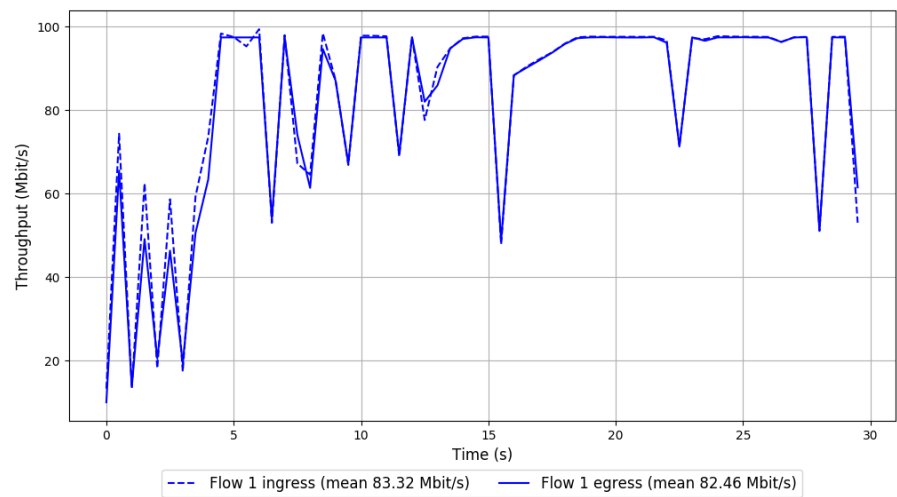

• Flow 1 (95th percentile 28.55 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2017-12-20 00:08:03
End at: 2017-12-20 00:08:33
Local clock offset: -1.812 ms
Remote clock offset: -1.406 ms


# Below is generated by plot.py at 2017-12-20 02:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.80 Mbit/s
95th percentile per-packet one-way delay: 54.858 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 79.80 Mbit/s
95th percentile per-packet one-way delay: 54.858 ms
Loss rate: 0.80%
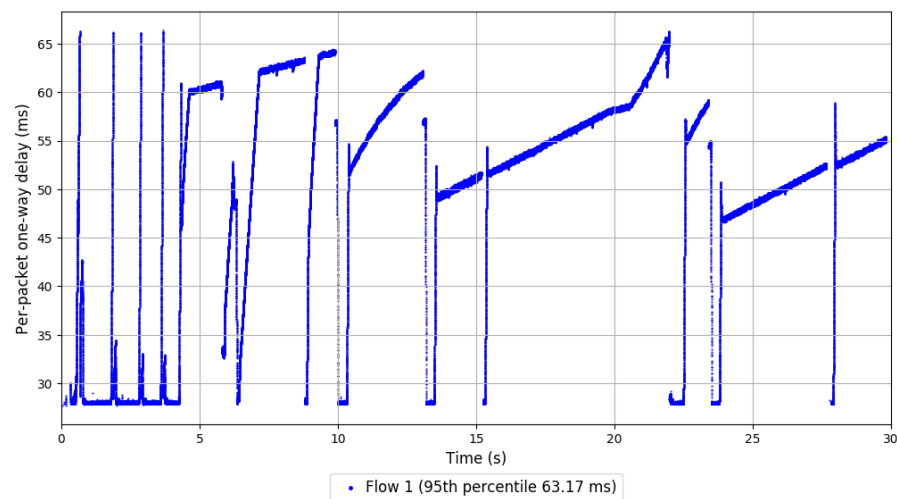```

Run 5: Report of QUIC Cubic — Data Link



Flow 1 ingress (mean 80.49 Mbit/s)   Flow 1 egress (mean 79.80 Mbit/s)


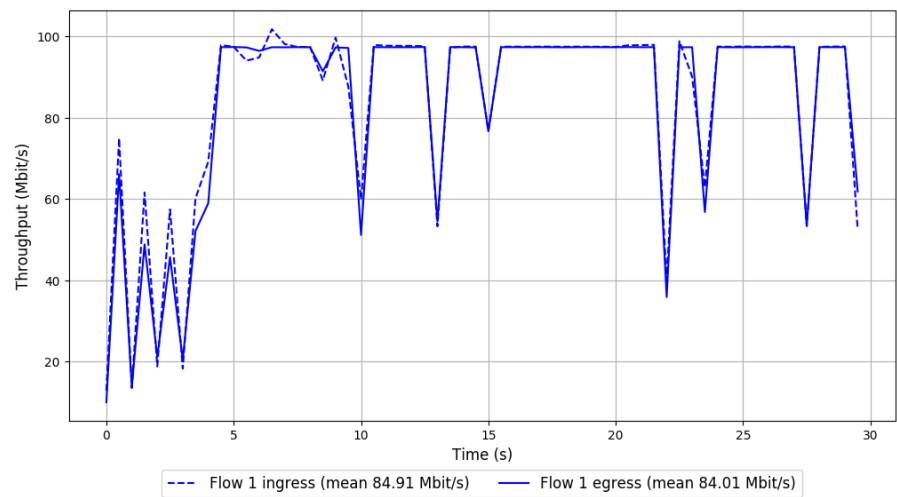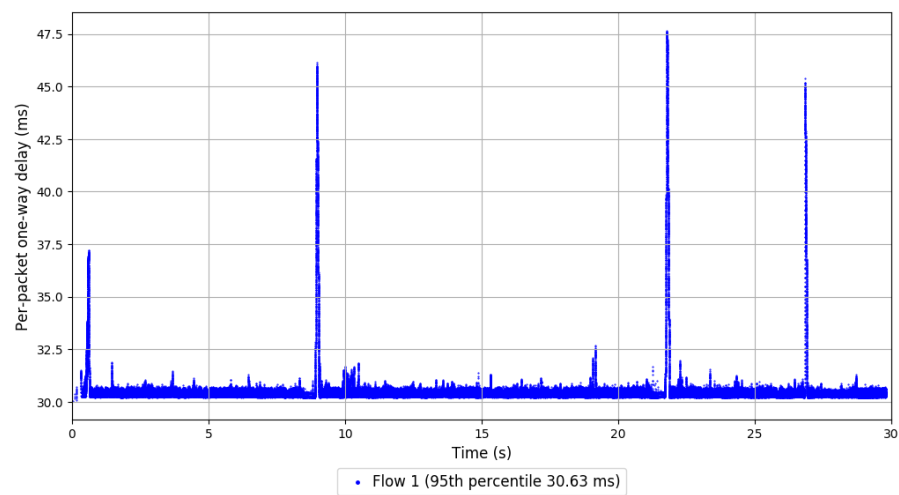
Flow 1 (95th percentile 54.86 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2017-12-20 00:28:23
End at: 2017-12-20 00:28:53
Local clock offset: -2.074 ms
Remote clock offset: -1.612 ms


# Below is generated by plot.py at 2017-12-20 02:29:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.46 Mbit/s
95th percentile per-packet one-way delay: 62.503 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 82.46 Mbit/s
95th percentile per-packet one-way delay: 62.503 ms
Loss rate: 0.98%
```

Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 83.32 Mbit/s)　　　Flow 1 egress (mean 82.46 Mbit/s)
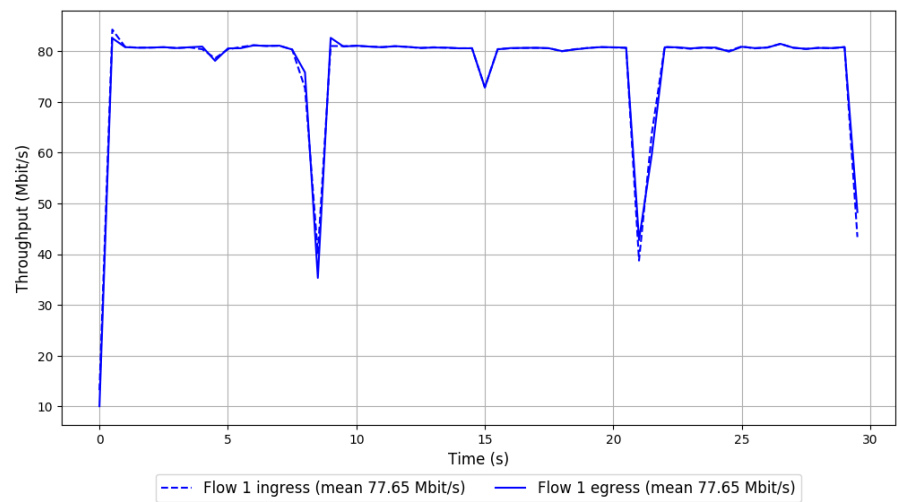

• Flow 1 (95th percentile 62.50 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-12-20 00:49:11
End at: 2017-12-20 00:49:41
Local clock offset: -2.441 ms
Remote clock offset: -4.267 ms


# Below is generated by plot.py at 2017-12-20 02:29:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 63.170 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 84.01 Mbit/s
95th percentile per-packet one-way delay: 63.170 ms
Loss rate: 1.00%
```
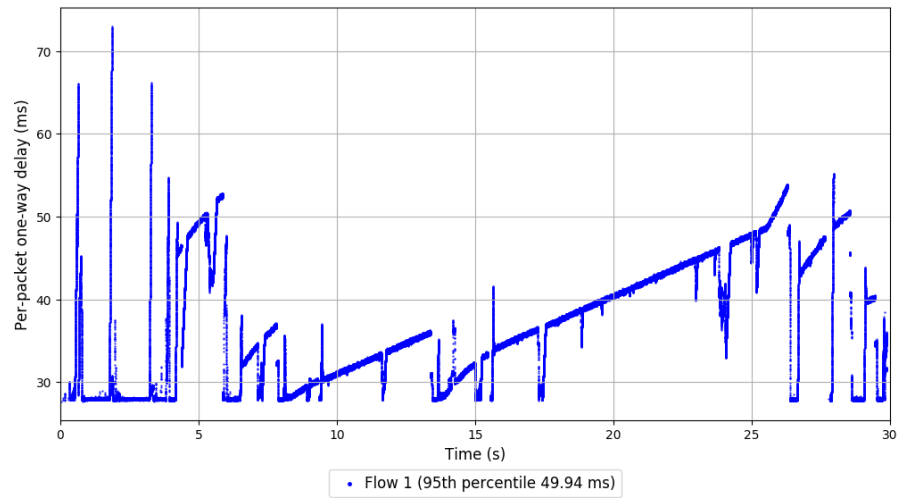
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 84.91 Mbit/s)　　Flow 1 egress (mean 84.01 Mbit/s)

Flow 1 (95th percentile 63.17 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2017-12-20 01:09:39
End at: 2017-12-20 01:10:09
Local clock offset: -2.334 ms
Remote clock offset: -1.151 ms


# Below is generated by plot.py at 2017-12-20 02:29:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.65 Mbit/s
95th percentile per-packet one-way delay: 30.627 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 77.65 Mbit/s
95th percentile per-packet one-way delay: 30.627 ms
Loss rate: 0.01%
```
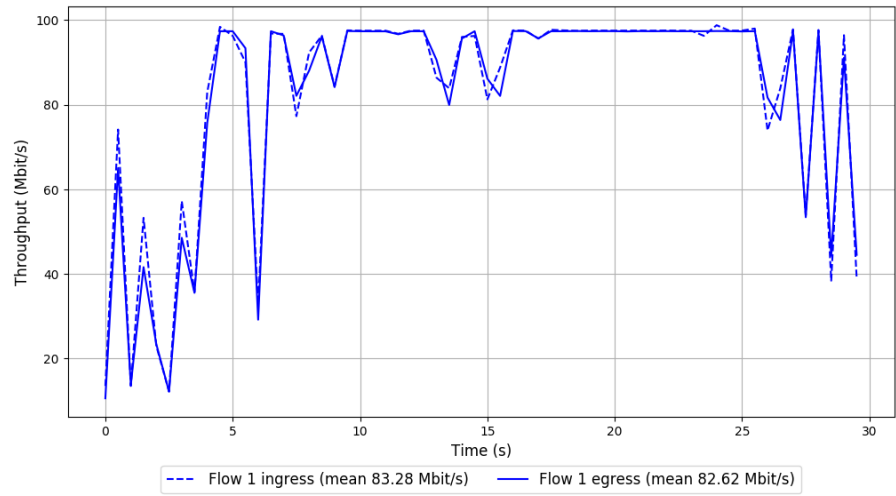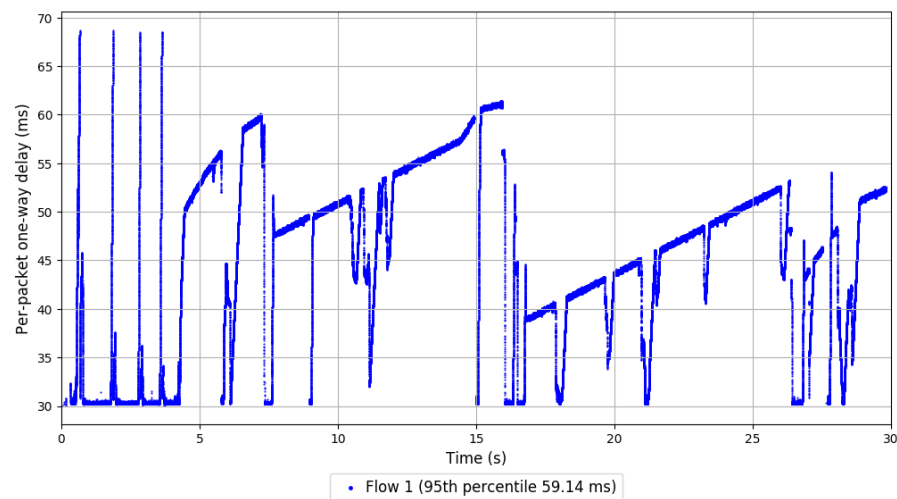
Run 8: Report of QUIC Cubic — Data Link

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-12-20 01:30:16
End at: 2017-12-20 01:30:47
Local clock offset: -2.341 ms
Remote clock offset: -2.395 ms


# Below is generated by plot.py at 2017-12-20 02:30:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.62 Mbit/s
95th percentile per-packet one-way delay: 49.944 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 82.62 Mbit/s
95th percentile per-packet one-way delay: 49.944 ms
Loss rate: 0.79%
```
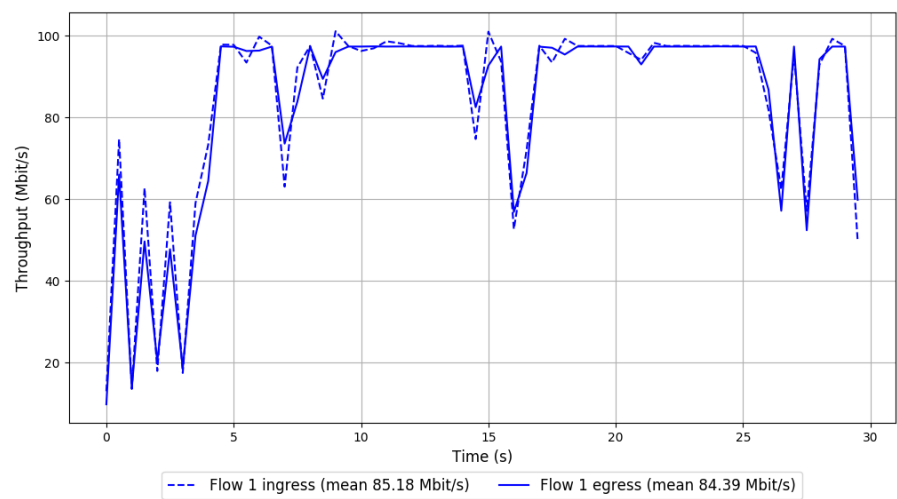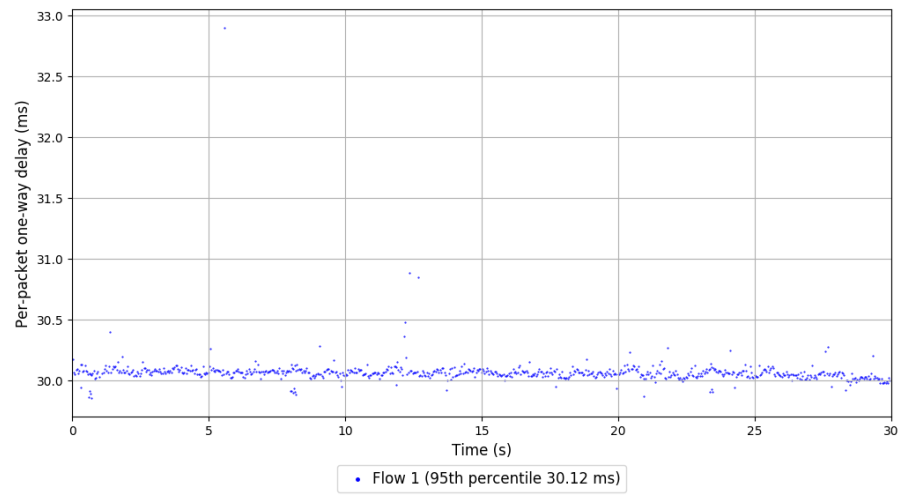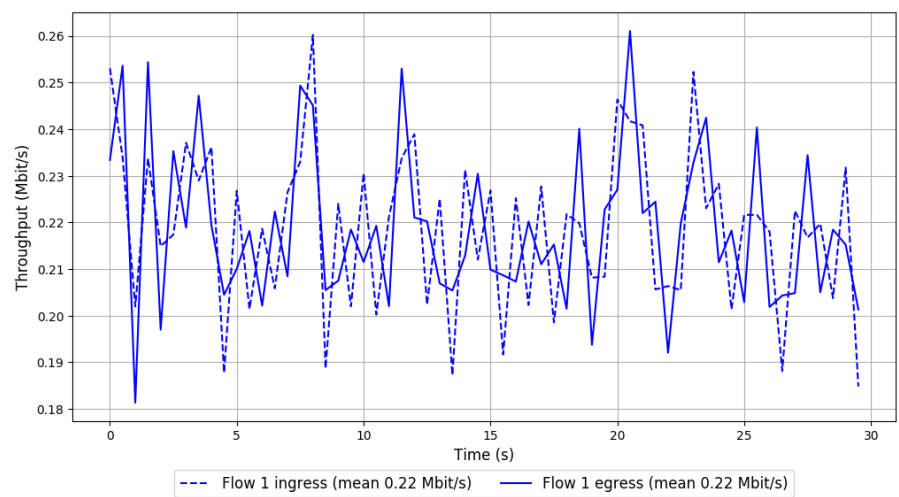
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 83.28 Mbit/s)   Flow 1 egress (mean 82.62 Mbit/s)

• Flow 1 (95th percentile 49.94 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-12-20 01:51:04
End at: 2017-12-20 01:51:34
Local clock offset: -2.174 ms
Remote clock offset: 0.881 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.39 Mbit/s
95th percentile per-packet one-way delay: 59.143 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 84.39 Mbit/s
95th percentile per-packet one-way delay: 59.143 ms
Loss rate: 0.86%
```

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 85.18 Mbit/s)   Flow 1 egress (mean 84.39 Mbit/s)
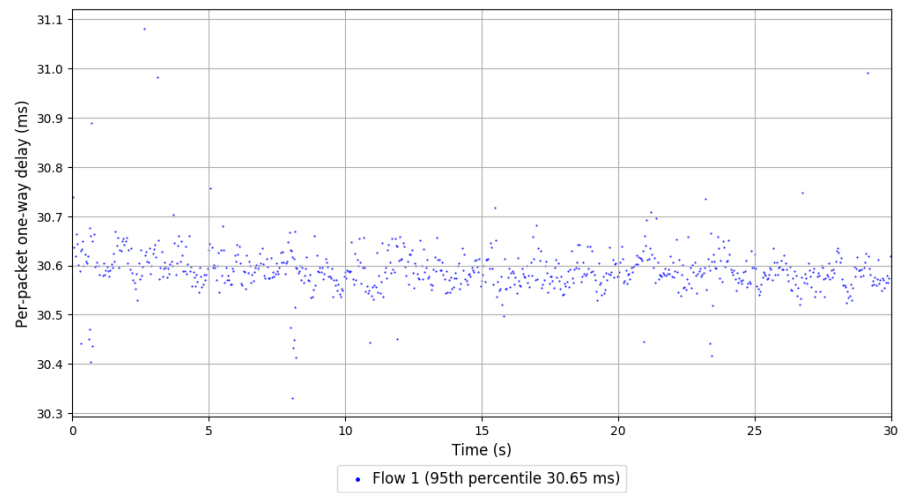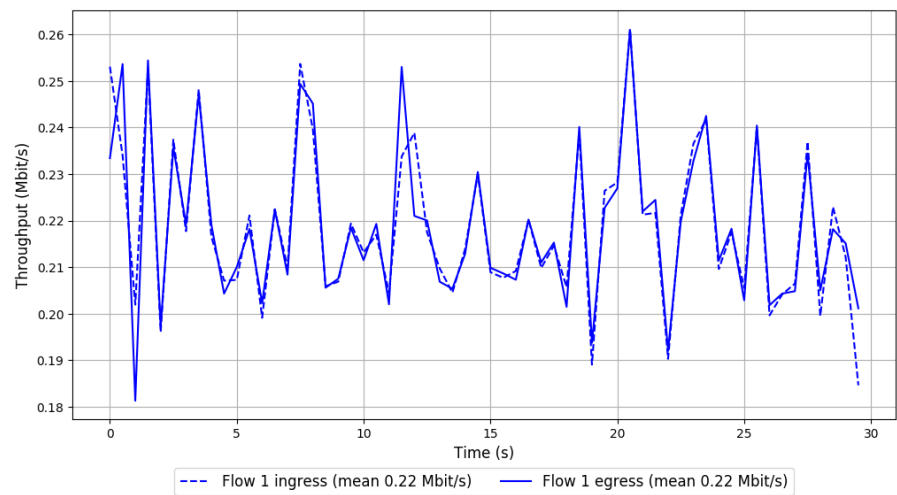

Flow 1 (95th percentile 59.14 ms)

```
Run 1: Statistics of SCReAM

Start at: 2017-12-19 22:54:16
End at: 2017-12-19 22:54:46
Local clock offset: -1.373 ms
Remote clock offset: -3.284 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.124 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.124 ms
Loss rate: 0.00%
```
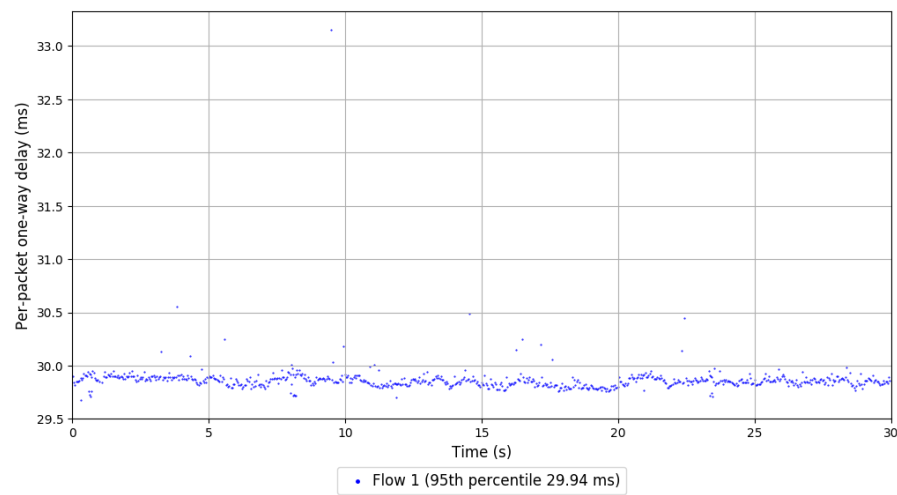
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2017-12-19 23:14:26
End at: 2017-12-19 23:14:56
Local clock offset: -1.249 ms
Remote clock offset: -2.168 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.654 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.654 ms
Loss rate: 0.00%
```
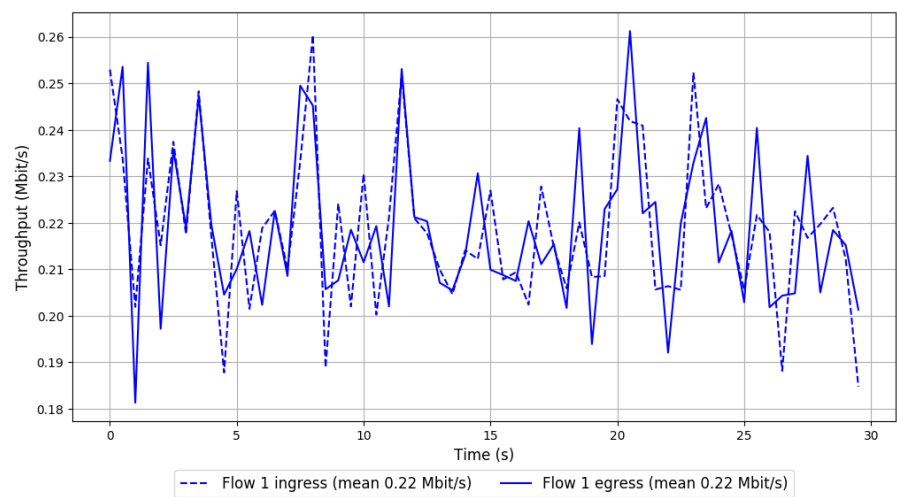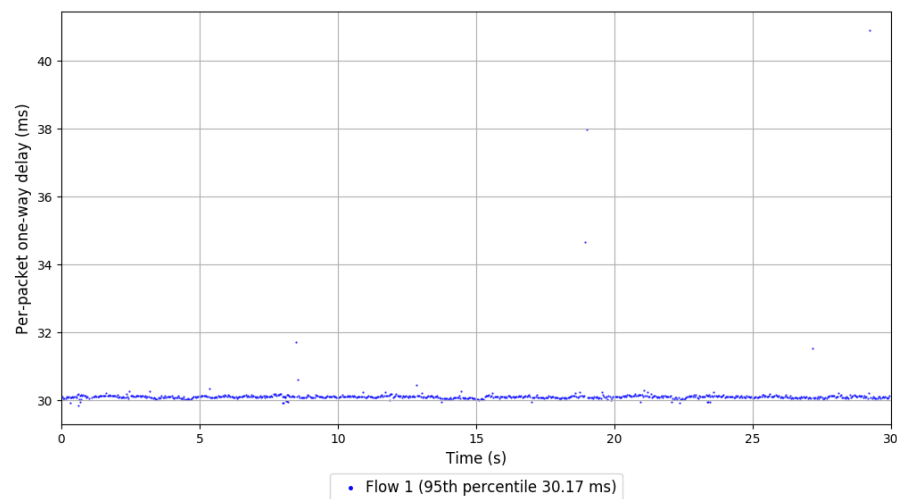
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2017-12-19 23:34:50
End at: 2017-12-19 23:35:20
Local clock offset: -1.255 ms
Remote clock offset: -2.11 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.939 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 29.939 ms
Loss rate: 0.00%
```
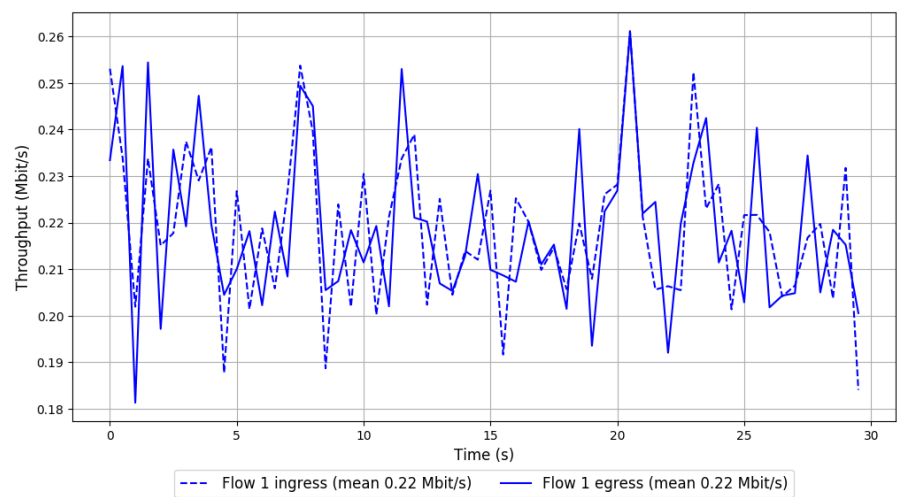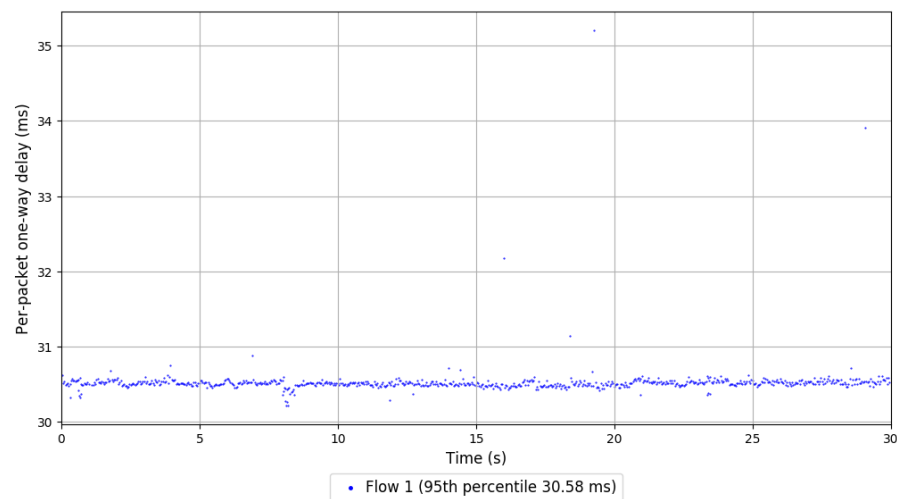
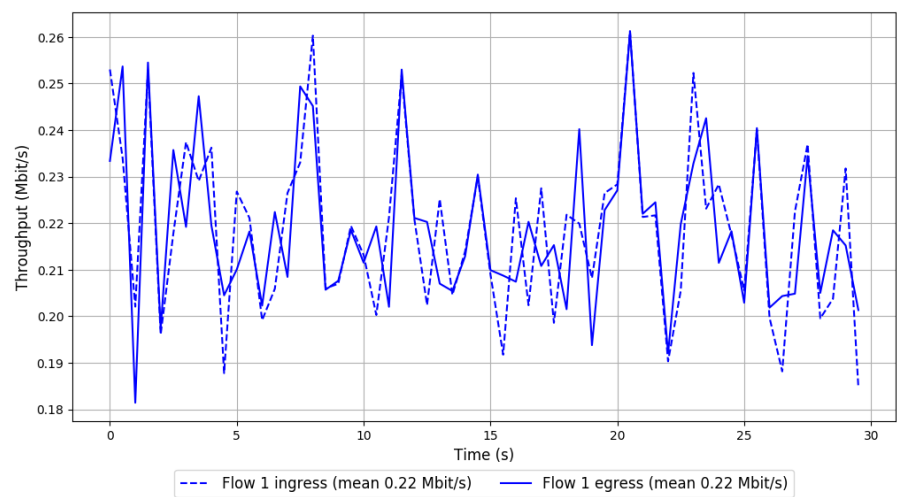# Run 3: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 29.94 ms)

```
Run 4: Statistics of SCReAM

Start at: 2017-12-19 23:54:46
End at: 2017-12-19 23:55:16
Local clock offset: -1.626 ms
Remote clock offset: -1.16 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.171 ms
Loss rate: 0.00%
```
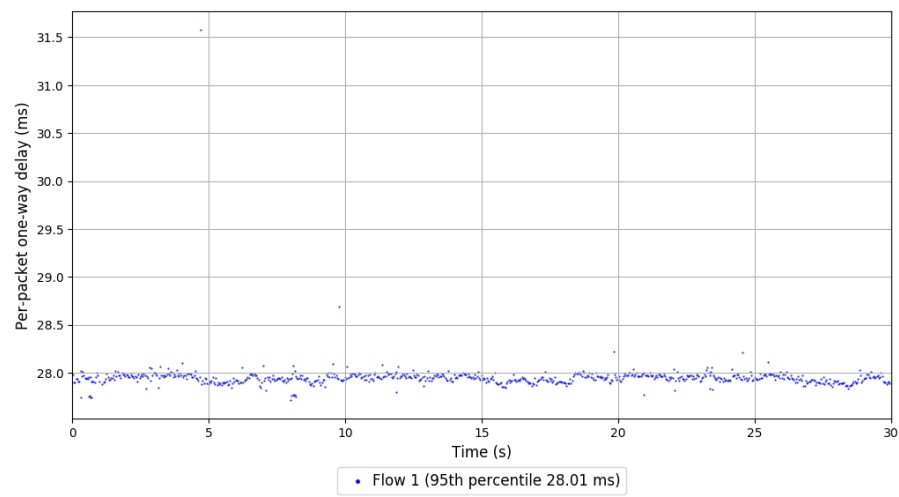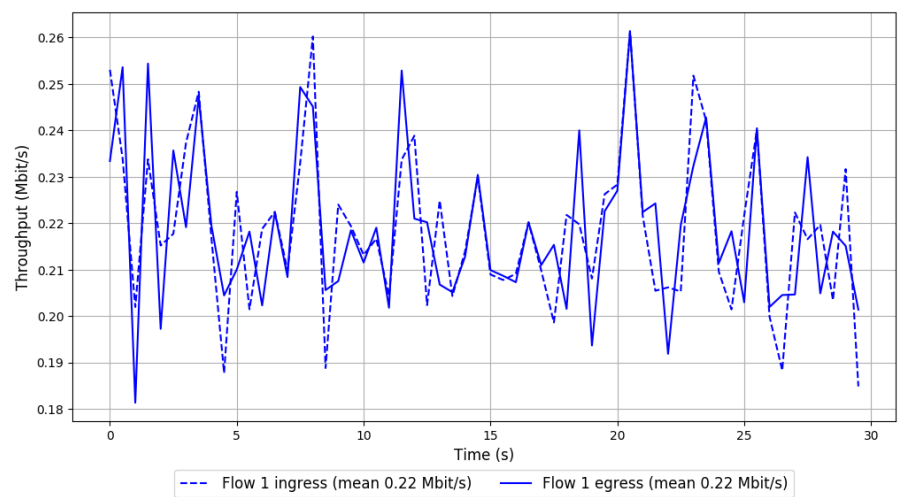
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2017-12-20 00:14:46
End at: 2017-12-20 00:15:16
Local clock offset: -1.909 ms
Remote clock offset: -1.149 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.582 ms
Loss rate: 0.00%
```

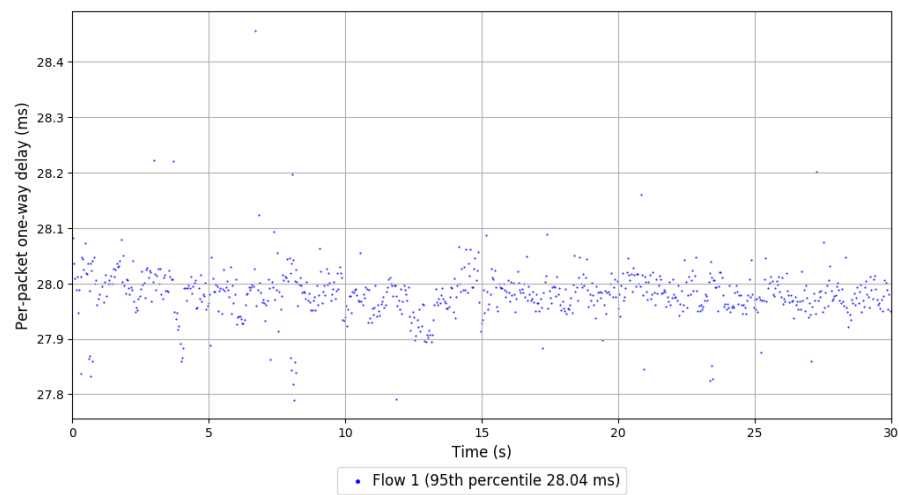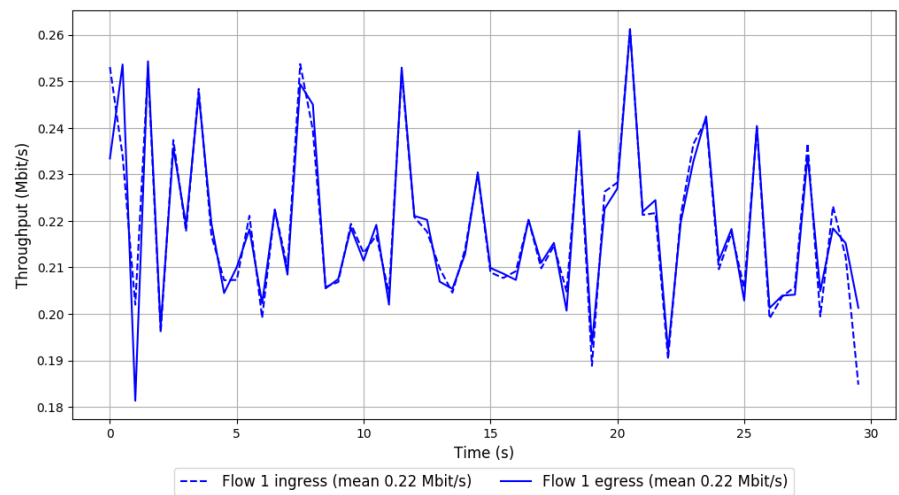# Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2017-12-20 00:35:24
End at: 2017-12-20 00:35:54
Local clock offset: -2.182 ms
Remote clock offset: -4.508 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.008 ms
Loss rate: 0.00%
```
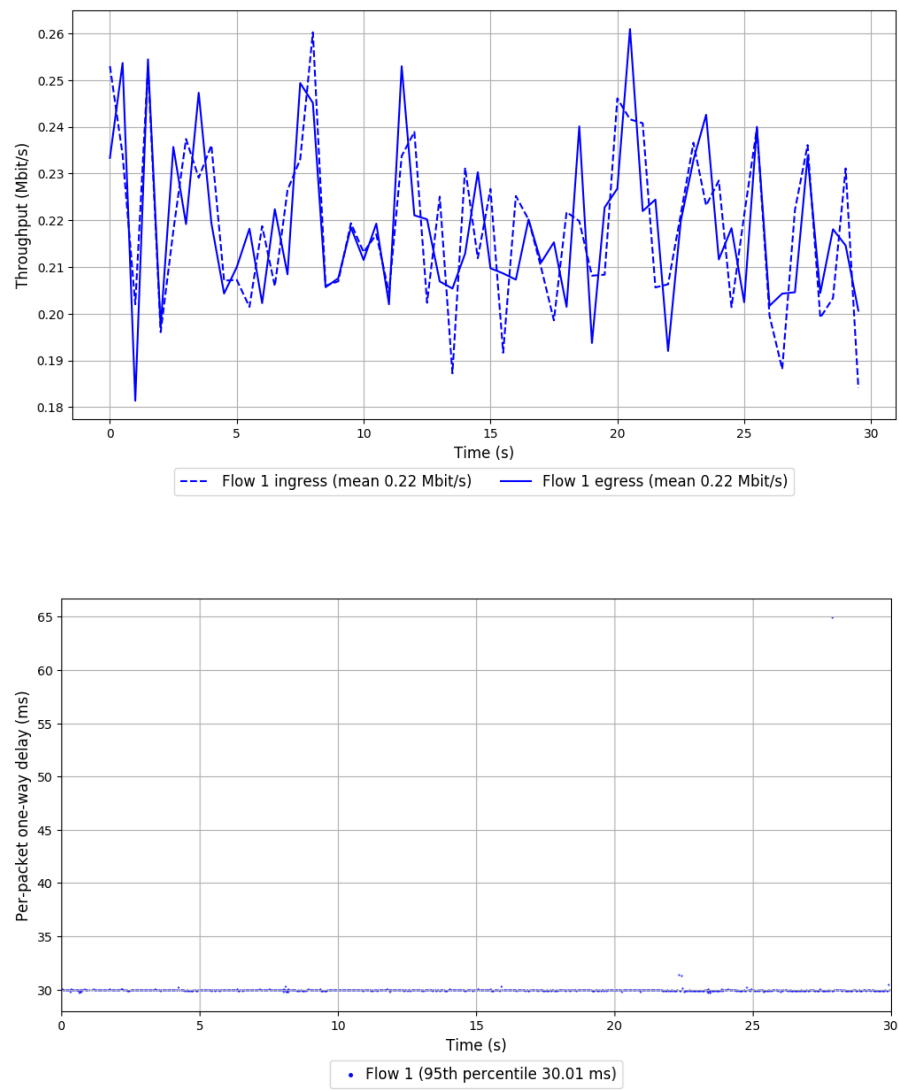
Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2017-12-20 00:56:13
End at: 2017-12-20 00:56:43
Local clock offset: -2.558 ms
Remote clock offset: -4.174 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.042 ms
Loss rate: 0.00%
```
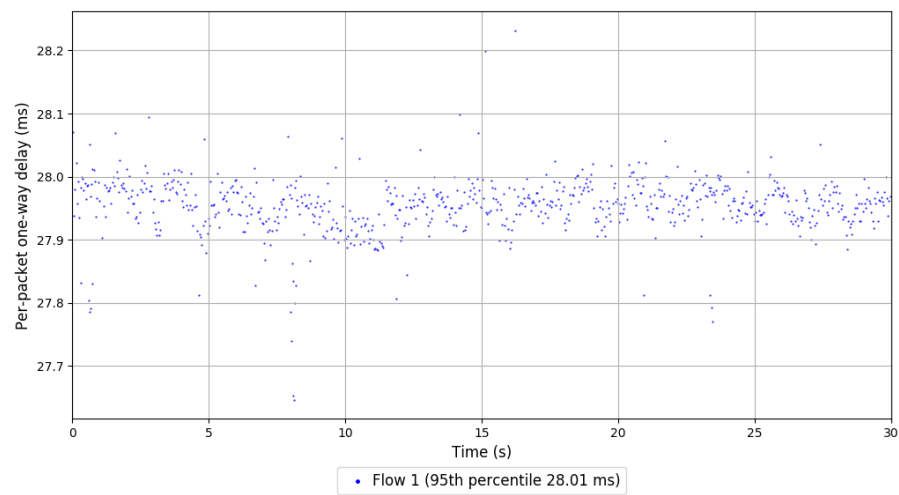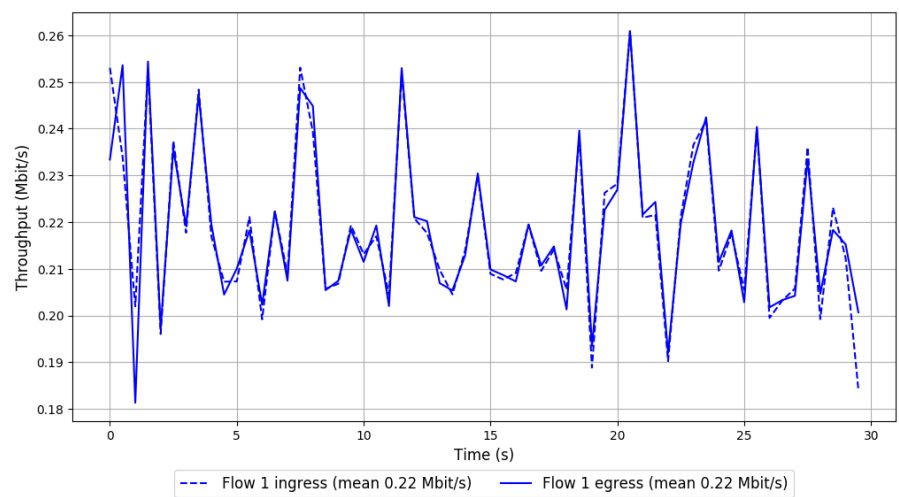
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2017-12-20 01:16:39
End at: 2017-12-20 01:17:09
Local clock offset: -2.389 ms
Remote clock offset: -1.275 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.010 ms
Loss rate: 0.00%
```
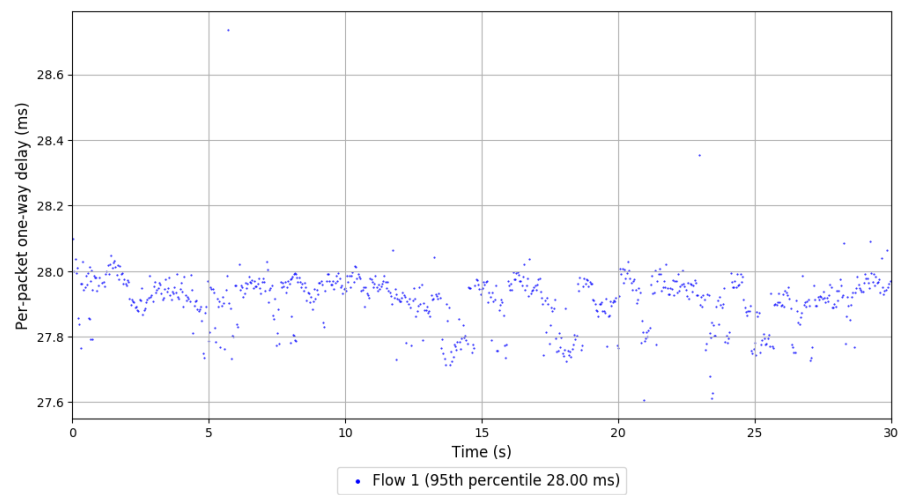
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: 2017-12-20 01:37:18
End at: 2017-12-20 01:37:48
Local clock offset: -2.292 ms
Remote clock offset: -2.114 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.008 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.008 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

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

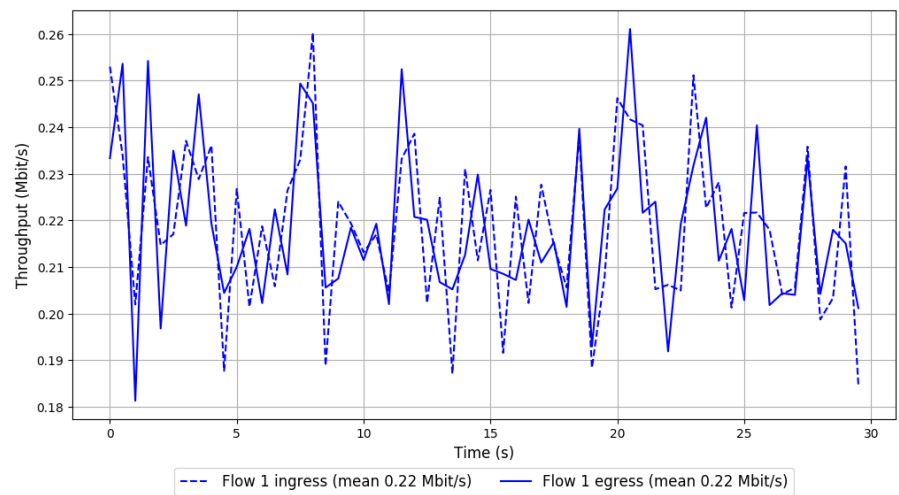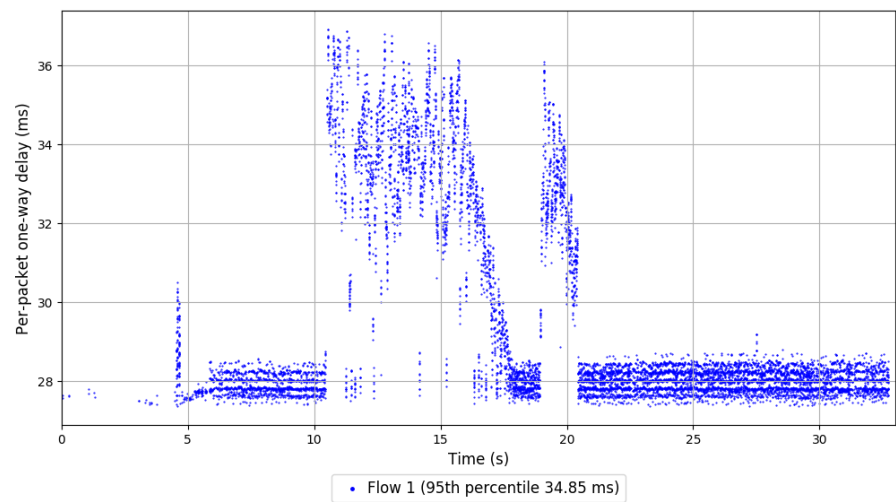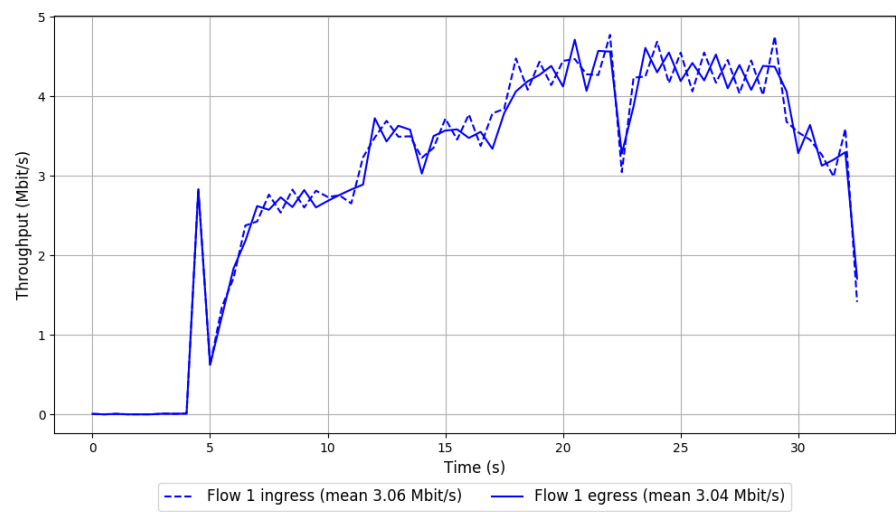Flow 1 (95th percentile 28.01 ms)

```
Run 10: Statistics of SCReAM

Start at: 2017-12-20 01:58:20
End at: 2017-12-20 01:58:50
Local clock offset: -2.224 ms
Remote clock offset: -1.448 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.002 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

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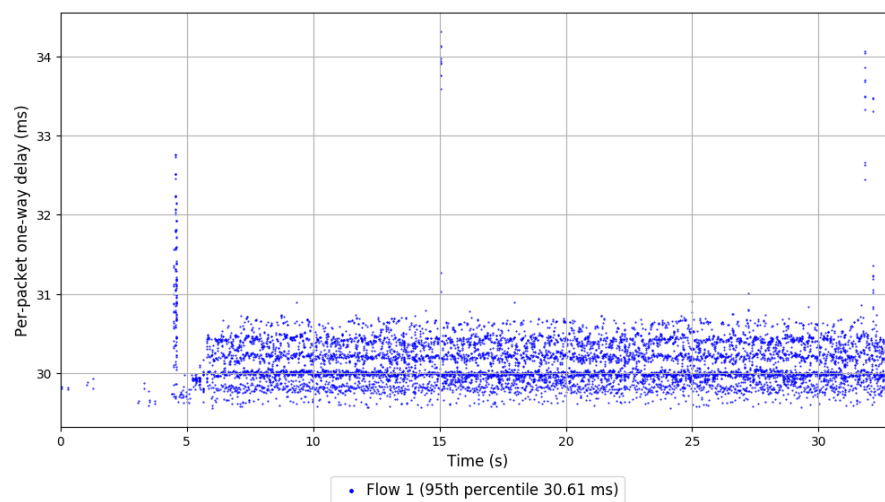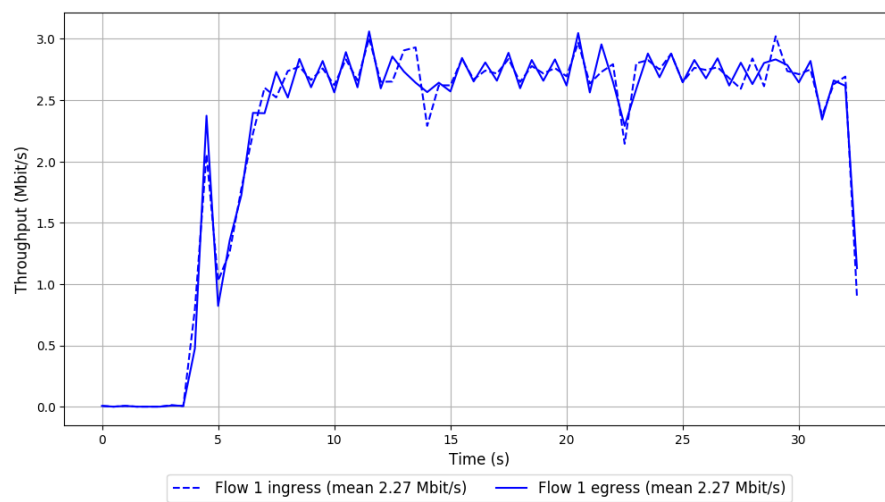

Flow 1 (95th percentile 28.00 ms)

```
Run 1: Statistics of WebRTC media

Start at: 2017-12-19 22:43:45
End at: 2017-12-19 22:44:15
Local clock offset: -1.431 ms
Remote clock offset: -5.745 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 34.846 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 34.846 ms
Loss rate: 0.55%
```

Run 1: Report of WebRTC media — Data Link

Flow 1 ingress (mean 3.06 Mbit/s) --- Flow 1 egress (mean 3.04 Mbit/s)

Flow 1 (95th percentile 34.85 ms)

```
Run 2: Statistics of WebRTC media

Start at: 2017-12-19 23:03:42
End at: 2017-12-19 23:04:12
Local clock offset: -1.175 ms
Remote clock offset: -2.908 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 30.606 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 30.606 ms
Loss rate: 0.00%
```
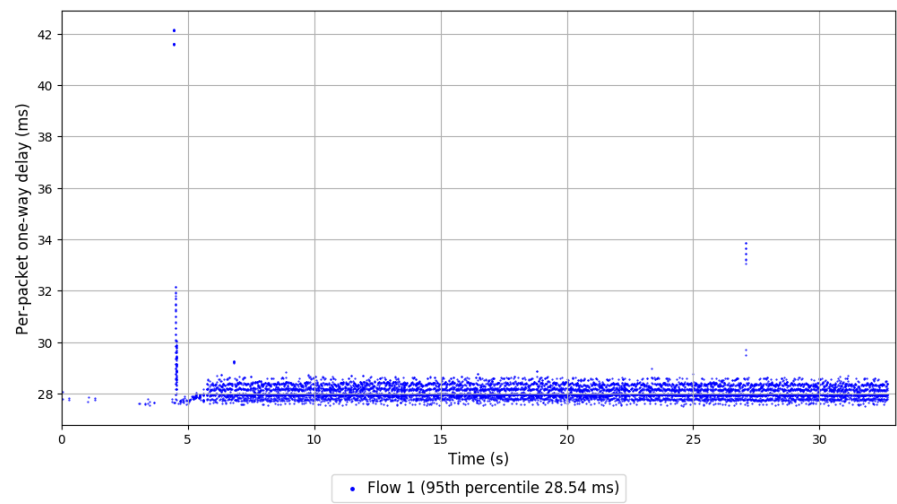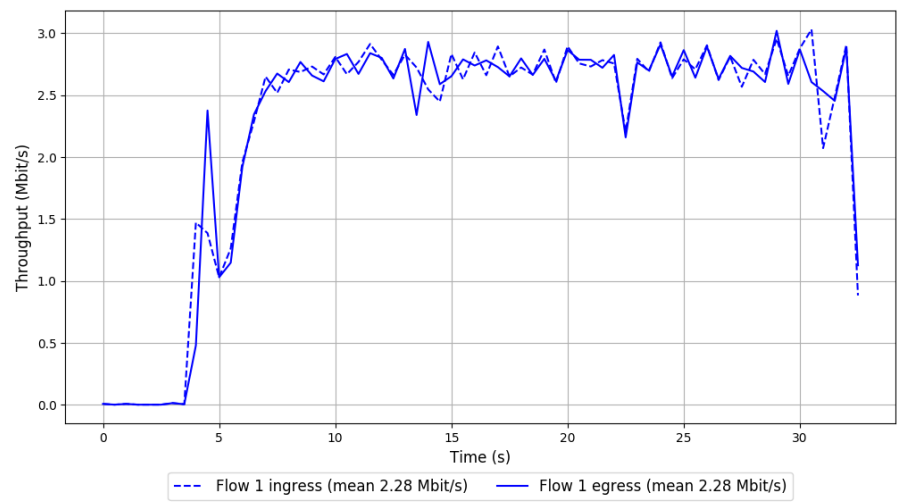
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2017-12-19 23:24:01
End at: 2017-12-19 23:24:31
Local clock offset: -1.189 ms
Remote clock offset: -4.51 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 28.544 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 28.544 ms
Loss rate: 0.00%
```
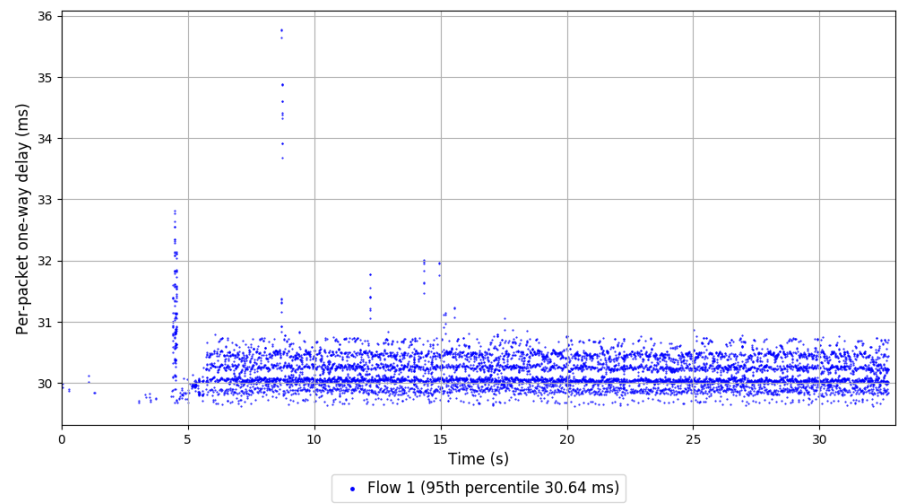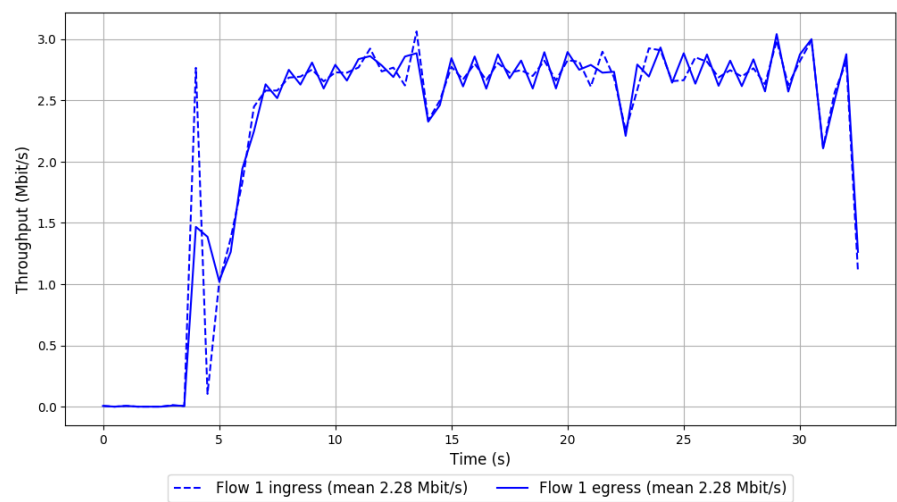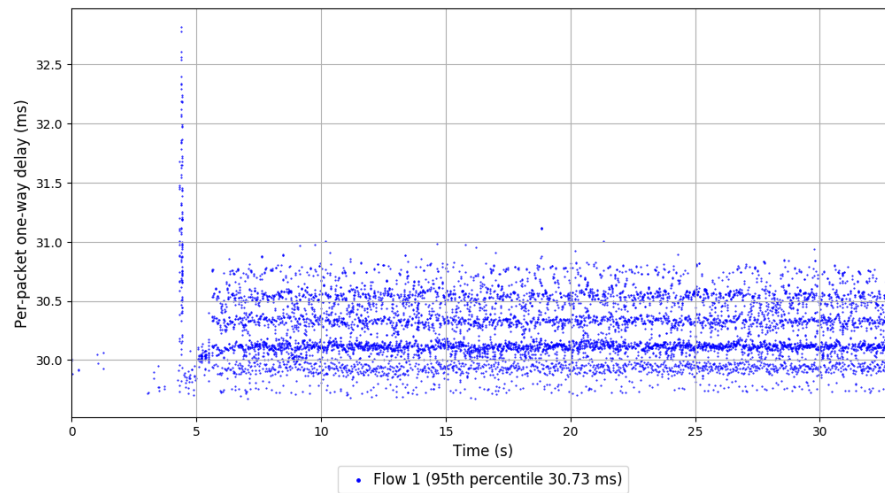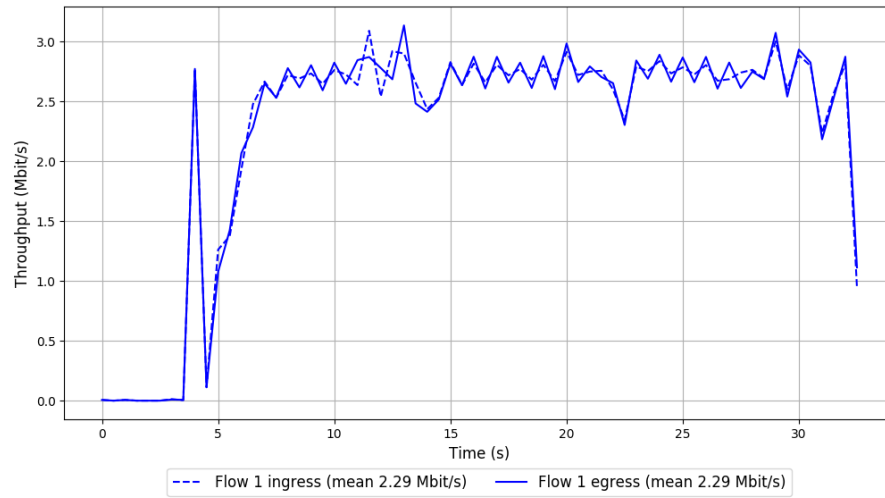
Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.28 Mbit/s) --- Flow 1 egress (mean 2.28 Mbit/s)

Flow 1 (95th percentile 28.54 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2017-12-19 23:44:14
End at: 2017-12-19 23:44:44
Local clock offset: -1.387 ms
Remote clock offset: -1.48 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 30.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 30.639 ms
Loss rate: 0.00%
```
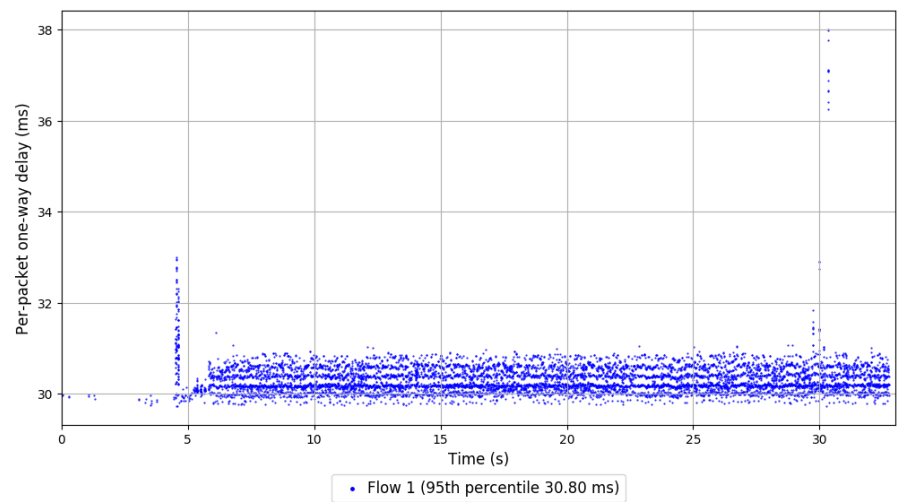
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2017-12-20 00:04:12
End at: 2017-12-20 00:04:42
Local clock offset: -1.753 ms
Remote clock offset: -1.244 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 30.726 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 30.726 ms
Loss rate: 0.00%
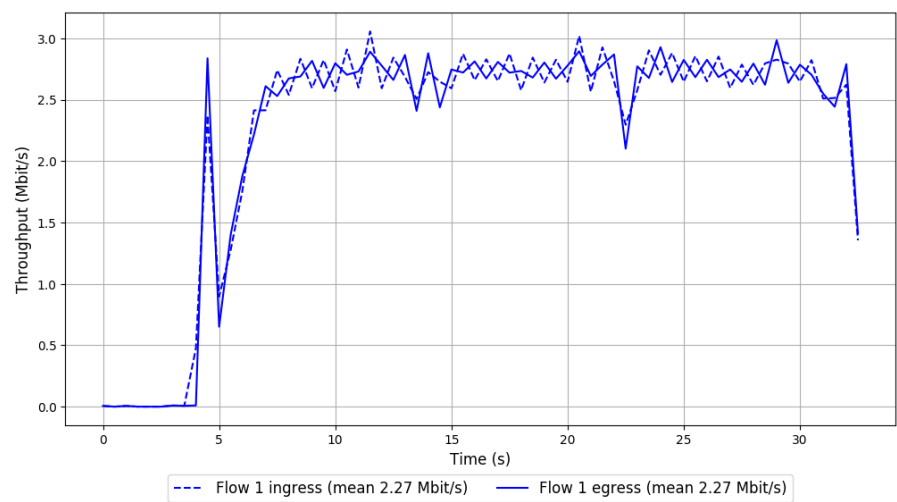```

Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2017-12-20 00:24:27
End at: 2017-12-20 00:24:57
Local clock offset: -2.103 ms
Remote clock offset: -2.034 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 30.796 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 30.796 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.27 Mbit/s) --- Flow 1 egress (mean 2.27 Mbit/s)
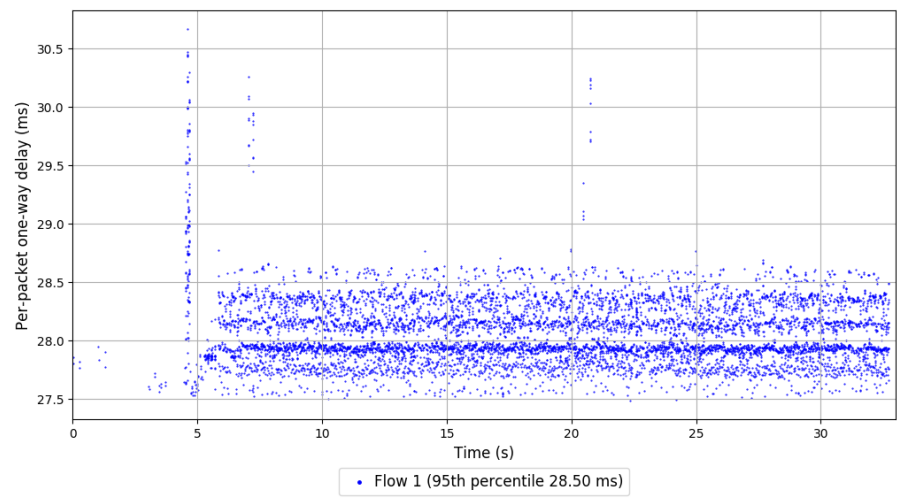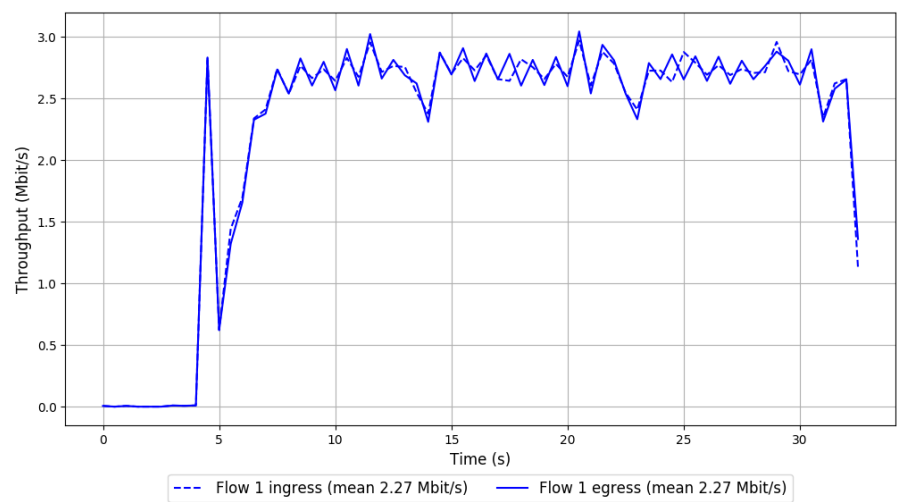

• Flow 1 (95th percentile 30.80 ms)

```
Run 7: Statistics of WebRTC media

Start at: 2017-12-20 00:45:17
End at: 2017-12-20 00:45:47
Local clock offset: -2.273 ms
Remote clock offset: -4.445 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 28.505 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 28.505 ms
Loss rate: 0.00%
```
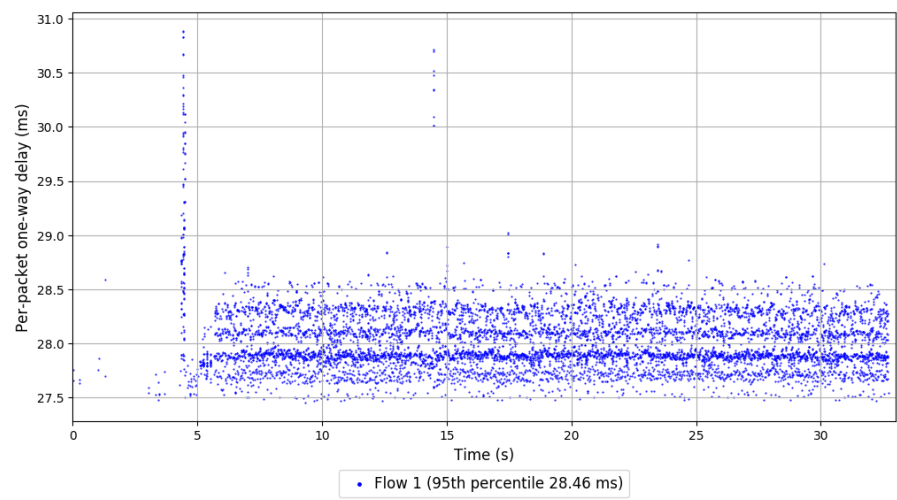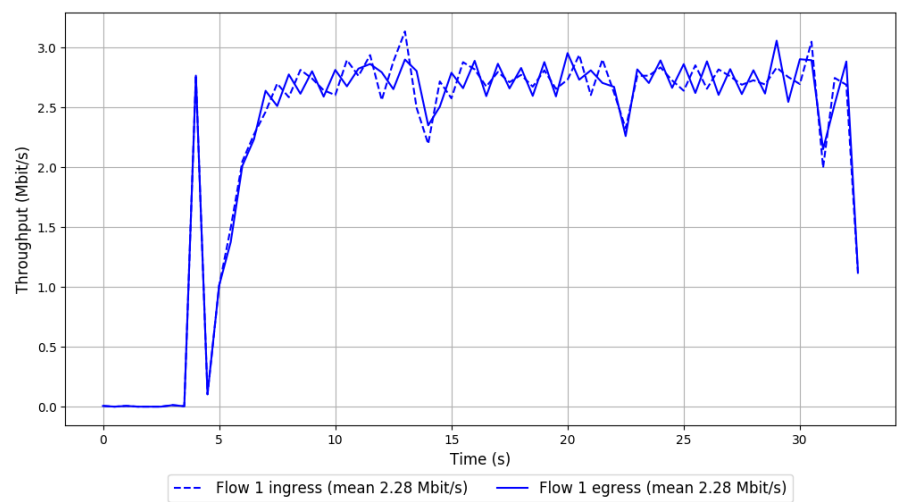
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2017-12-20 01:05:49
End at: 2017-12-20 01:06:19
Local clock offset: -2.362 ms
Remote clock offset: -3.8 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 28.462 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 28.462 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.28 Mbit/s) --- Flow 1 egress (mean 2.28 Mbit/s)

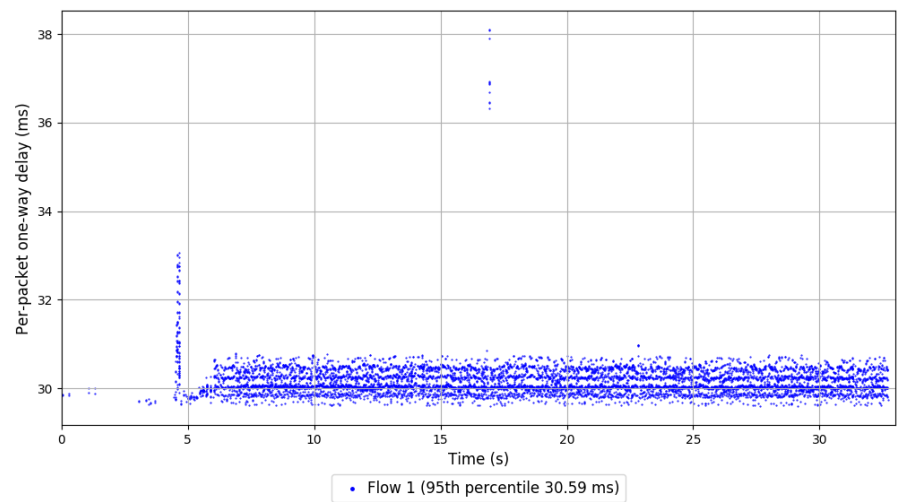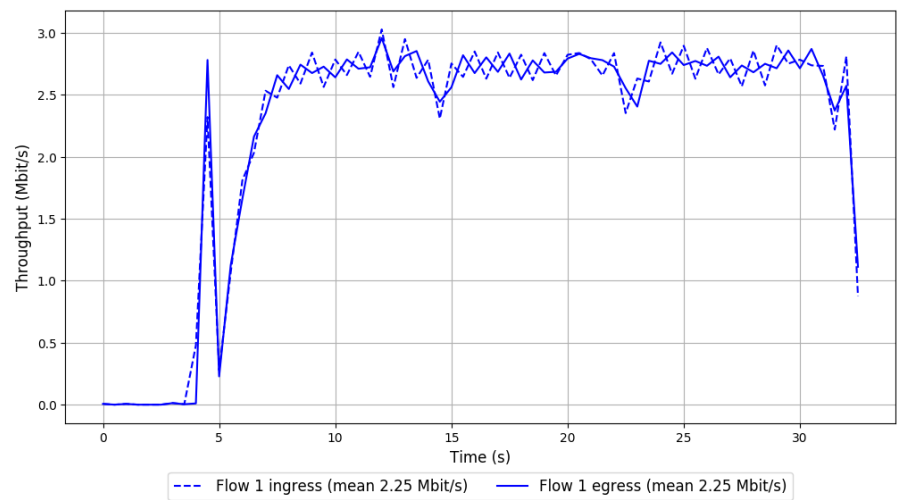
Flow 1 (95th percentile 28.46 ms)

```
Run 9: Statistics of WebRTC media

Start at: 2017-12-20 01:26:21
End at: 2017-12-20 01:26:51
Local clock offset: -2.367 ms
Remote clock offset: -0.646 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 30.587 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 30.587 ms
Loss rate: 0.00%
```
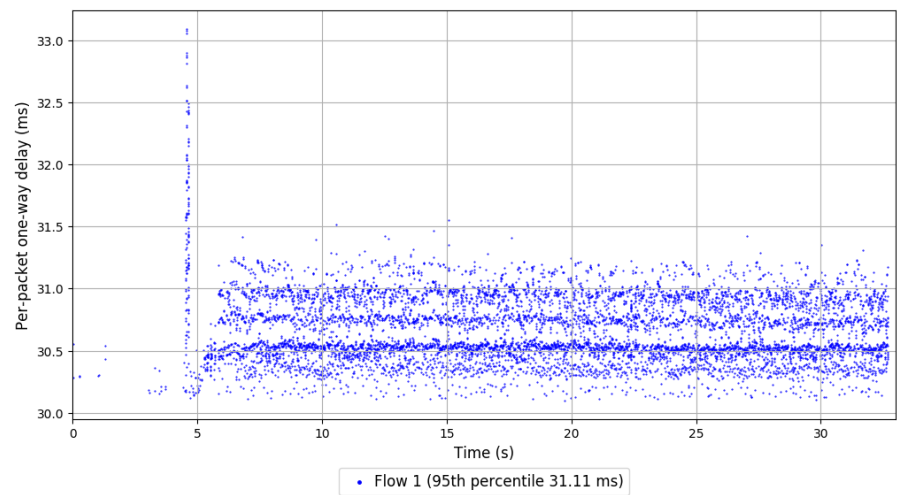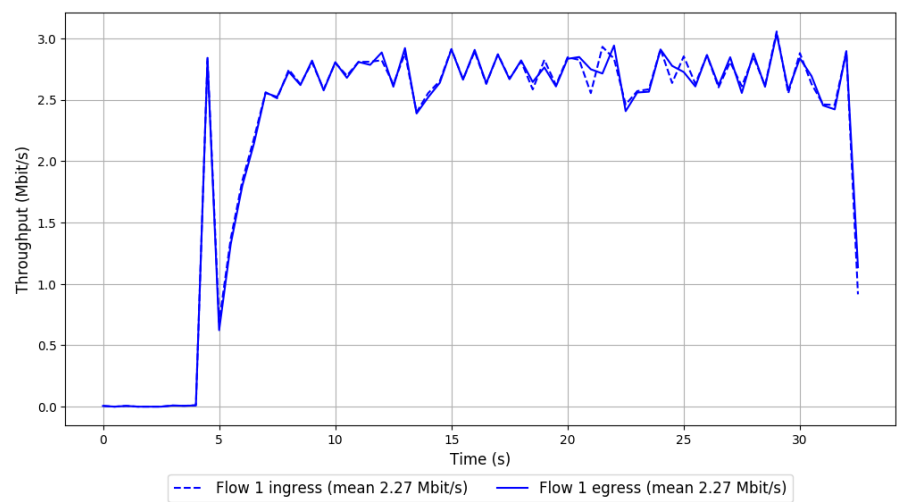
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2017-12-20 01:47:12
End at: 2017-12-20 01:47:42
Local clock offset: -2.176 ms
Remote clock offset: 0.837 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.109 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.109 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

```
Run 1: Statistics of Sprout

Start at: 2017-12-19 22:46:20
End at: 2017-12-19 22:46:50
Local clock offset: -1.389 ms
Remote clock offset: -3.09 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 33.840 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 15.98 Mbit/s
95th percentile per-packet one-way delay: 33.840 ms
Loss rate: 0.15%
```
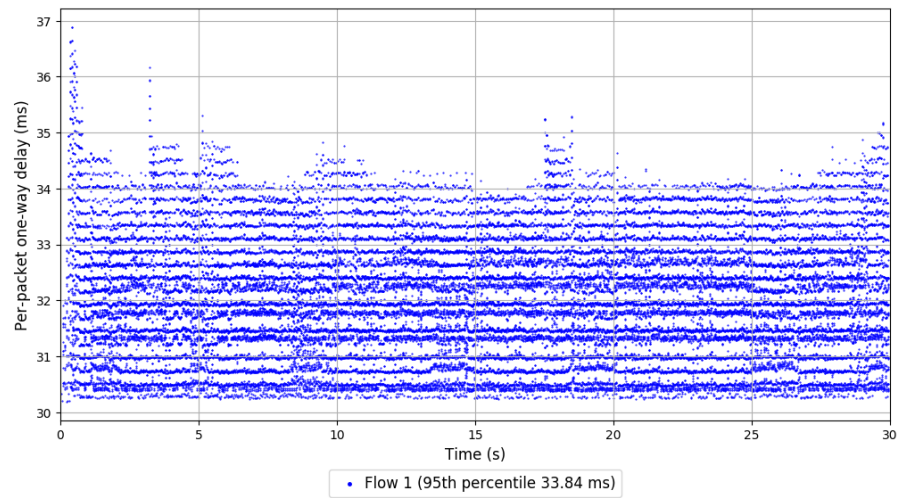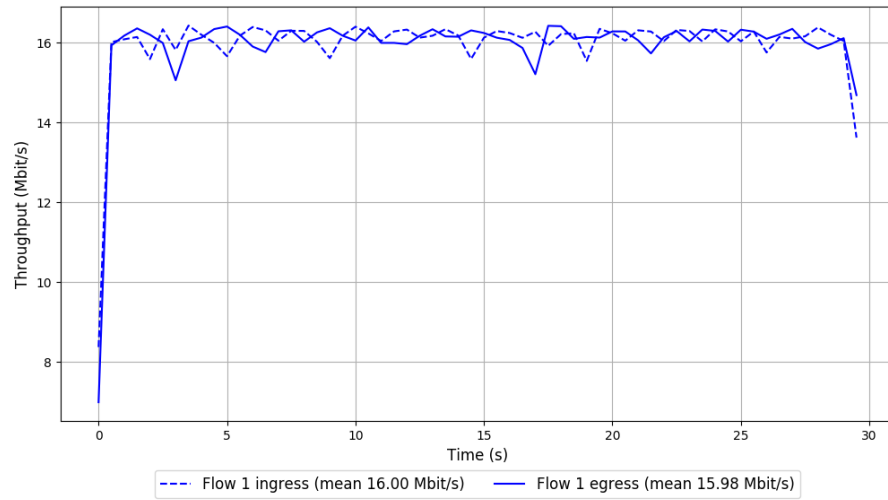
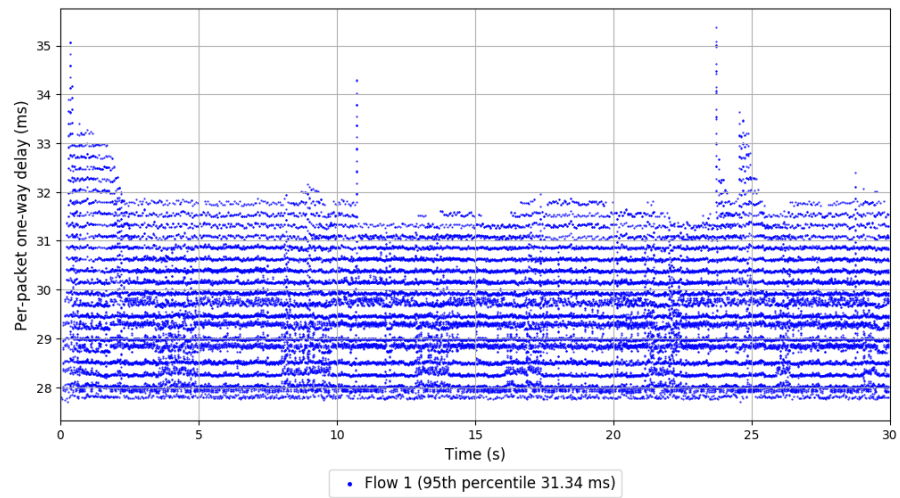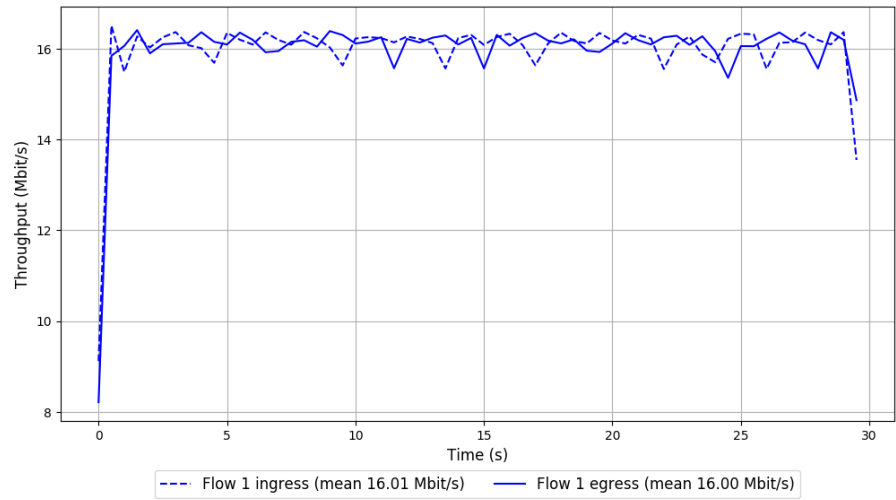Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2017-12-19 23:06:18
End at: 2017-12-19 23:06:48
Local clock offset: -1.249 ms
Remote clock offset: -4.971 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 31.341 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.00 Mbit/s
95th percentile per-packet one-way delay: 31.341 ms
Loss rate: 0.00%
```

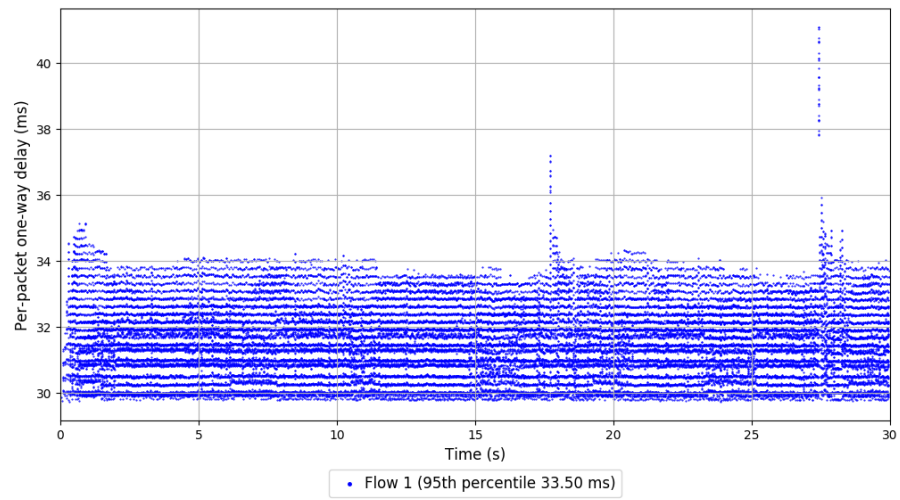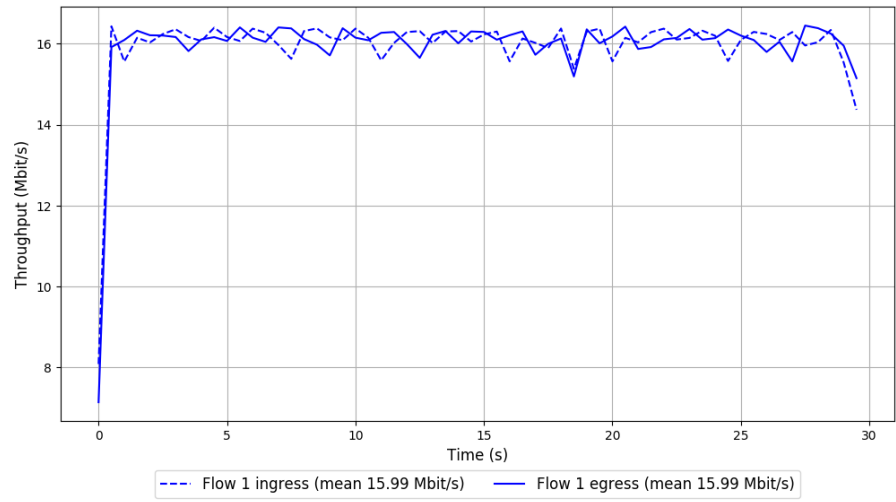Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2017-12-19 23:26:38
End at: 2017-12-19 23:27:08
Local clock offset: -1.229 ms
Remote clock offset: -2.417 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 33.498 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.99 Mbit/s
95th percentile per-packet one-way delay: 33.498 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

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```
Run 4: Statistics of Sprout

Start at: 2017-12-19 23:46:49
End at: 2017-12-19 23:47:19
Local clock offset: -1.499 ms
Remote clock offset: -1.39 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 33.622 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 33.622 ms
Loss rate: 0.00%
```
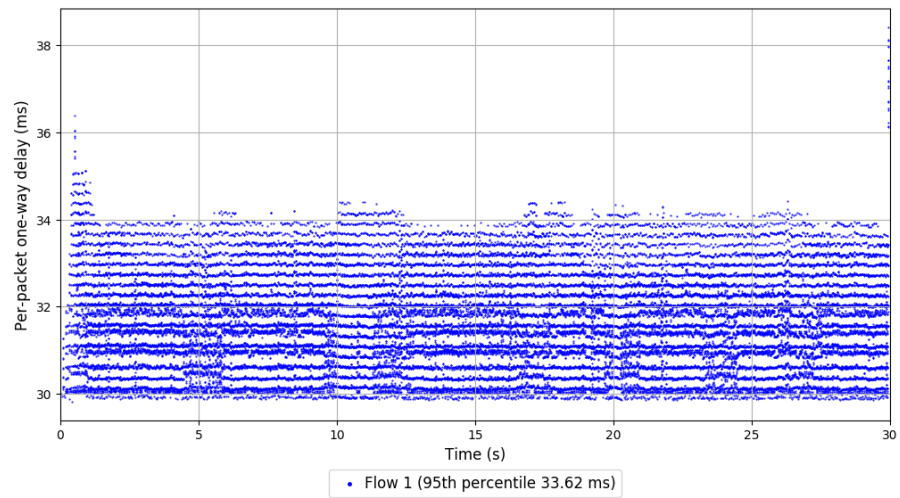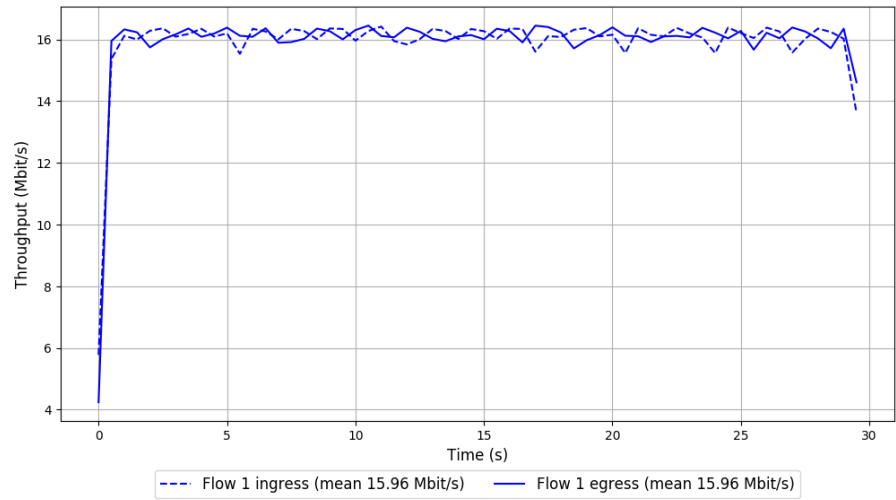
Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 15.96 Mbit/s)   ——— Flow 1 egress (mean 15.96 Mbit/s)

• Flow 1 (95th percentile 33.62 ms)

```
Run 5: Statistics of Sprout

Start at: 2017-12-20 00:06:47
End at: 2017-12-20 00:07:17
Local clock offset: -1.8 ms
Remote clock offset: -1.35 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 33.625 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 33.625 ms
Loss rate: 0.04%
```
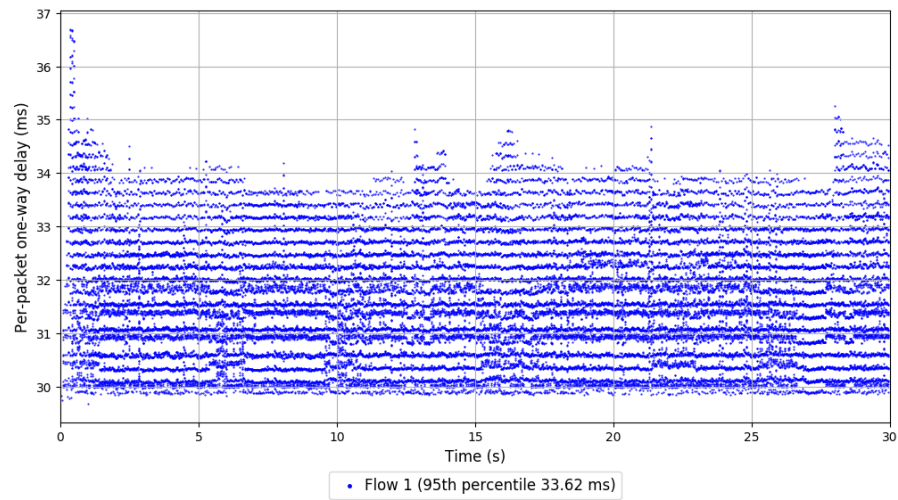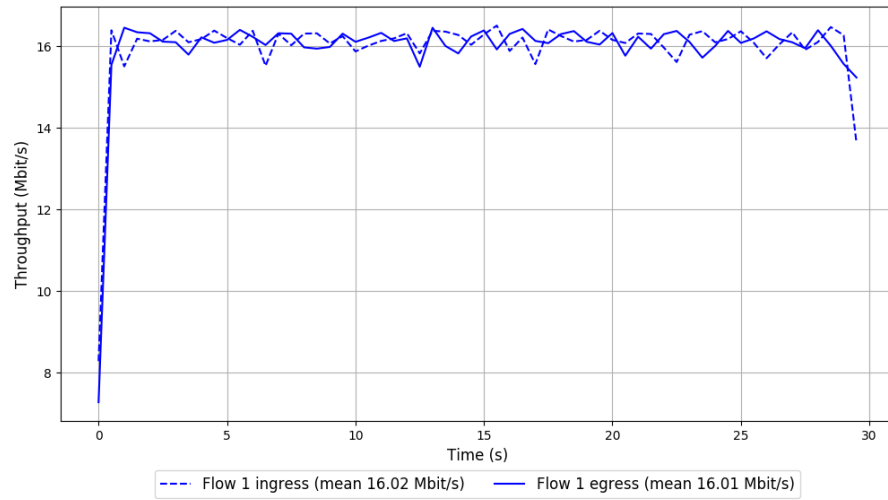
Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 16.02 Mbit/s)   Flow 1 egress (mean 16.01 Mbit/s)

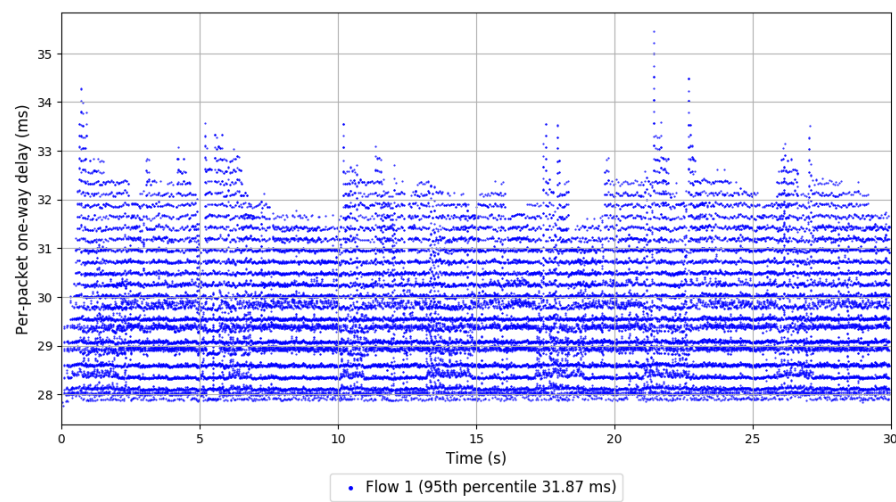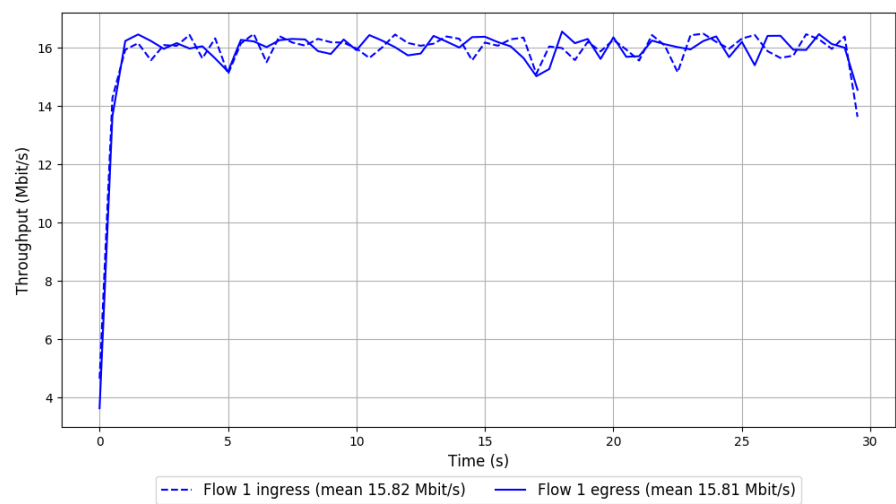• Flow 1 (95th percentile 33.62 ms)

```
Run 6: Statistics of Sprout

Start at: 2017-12-20 00:27:06
End at: 2017-12-20 00:27:36
Local clock offset: -2.12 ms
Remote clock offset: -4.245 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 31.872 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 31.872 ms
Loss rate: 0.08%
```

Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 15.82 Mbit/s) --- Flow 1 egress (mean 15.81 Mbit/s)

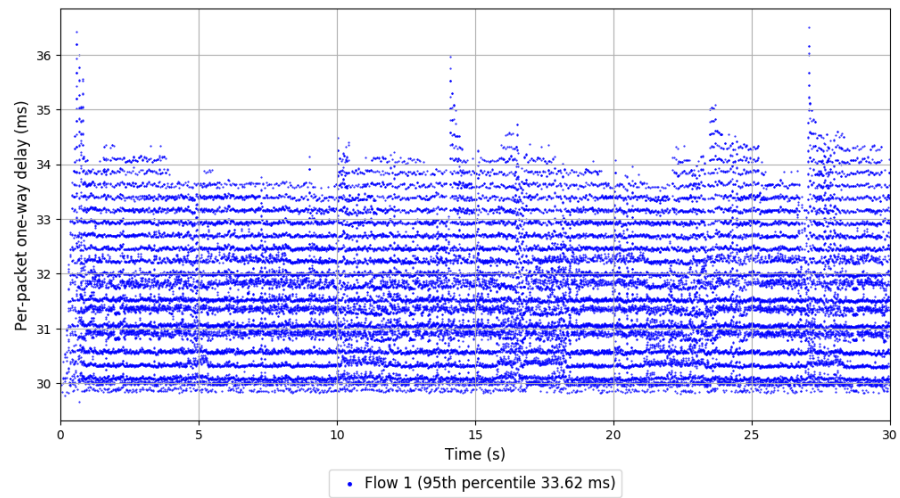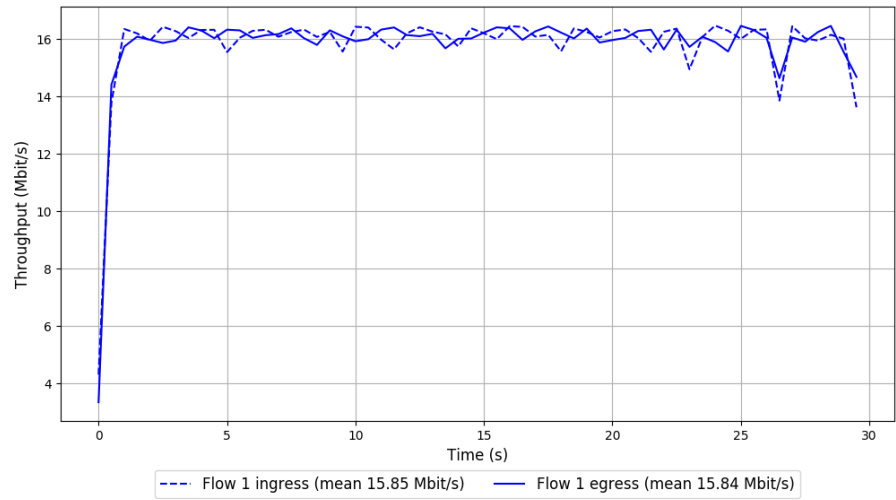• Flow 1 (95th percentile 31.87 ms)

```
Run 7: Statistics of Sprout

Start at: 2017-12-20 00:47:54
End at: 2017-12-20 00:48:24
Local clock offset: -2.385 ms
Remote clock offset: -2.356 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 33.621 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 15.84 Mbit/s
95th percentile per-packet one-way delay: 33.621 ms
Loss rate: 0.04%
```

Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 15.85 Mbit/s)   Flow 1 egress (mean 15.84 Mbit/s)

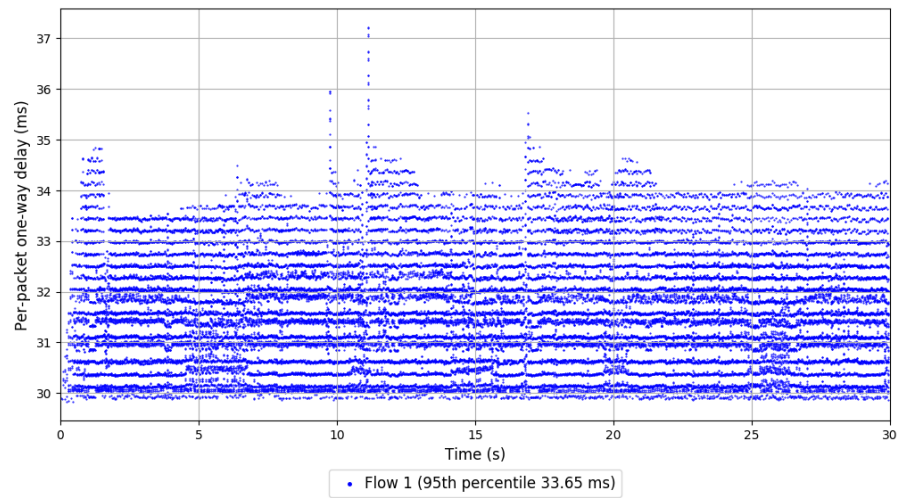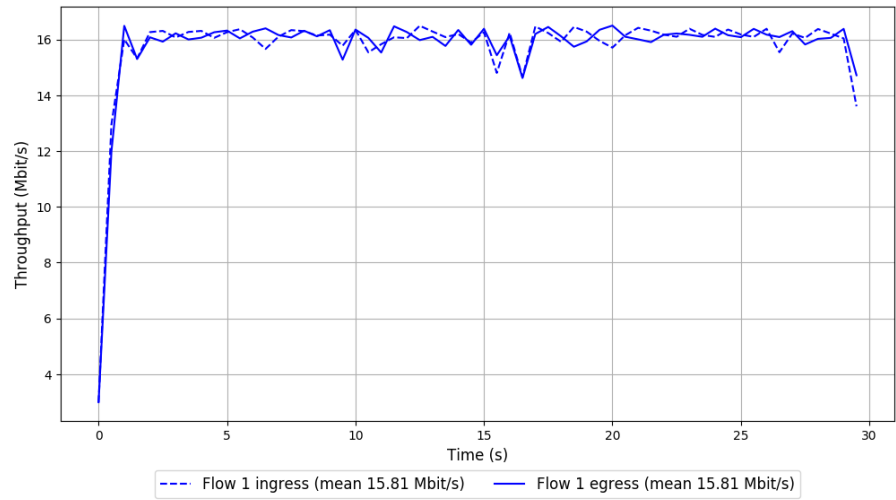• Flow 1 (95th percentile 33.62 ms)

```
Run 8: Statistics of Sprout

Start at: 2017-12-20 01:08:21
End at: 2017-12-20 01:08:51
Local clock offset: -2.415 ms
Remote clock offset: -1.624 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 33.645 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 33.645 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 15.81 Mbit/s)   Flow 1 egress (mean 15.81 Mbit/s)

Flow 1 (95th percentile 33.65 ms)

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```
Run 9: Statistics of Sprout

Start at: 2017-12-20 01:29:00
End at: 2017-12-20 01:29:30
Local clock offset: -2.34 ms
Remote clock offset: 0.058 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 34.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 34.356 ms
Loss rate: 0.00%
```
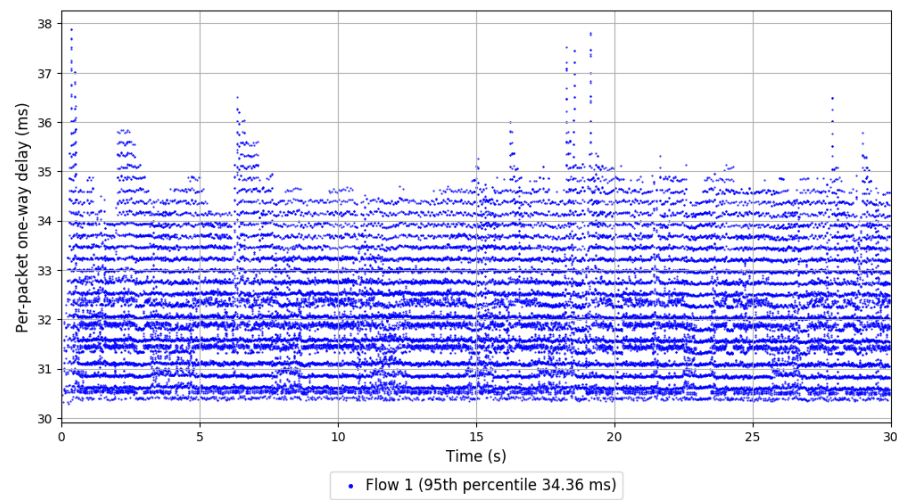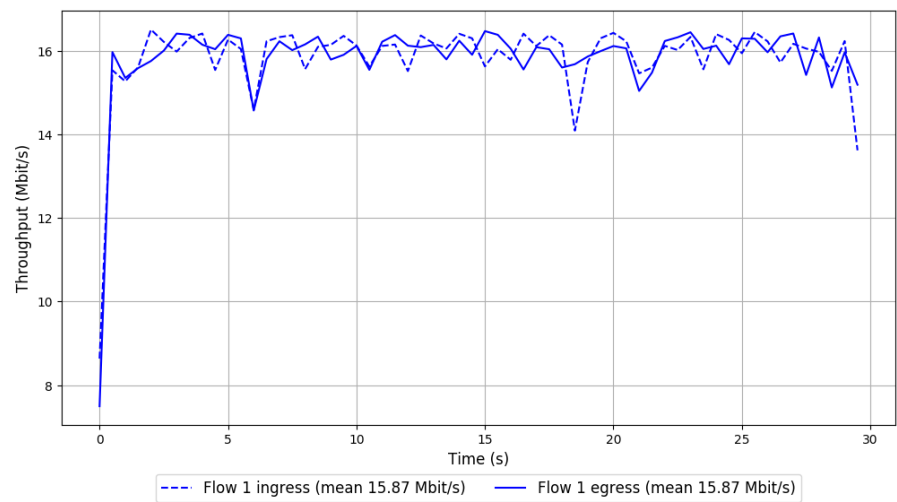
Run 9: Report of Sprout — Data Link

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

• Flow 1 (95th percentile 34.36 ms)

```
Run 10: Statistics of Sprout

Start at: 2017-12-20 01:49:48
End at: 2017-12-20 01:50:18
Local clock offset: -2.148 ms
Remote clock offset: 0.453 ms


# Below is generated by plot.py at 2017-12-20 02:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 33.618 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 33.618 ms
Loss rate: 0.00%
```
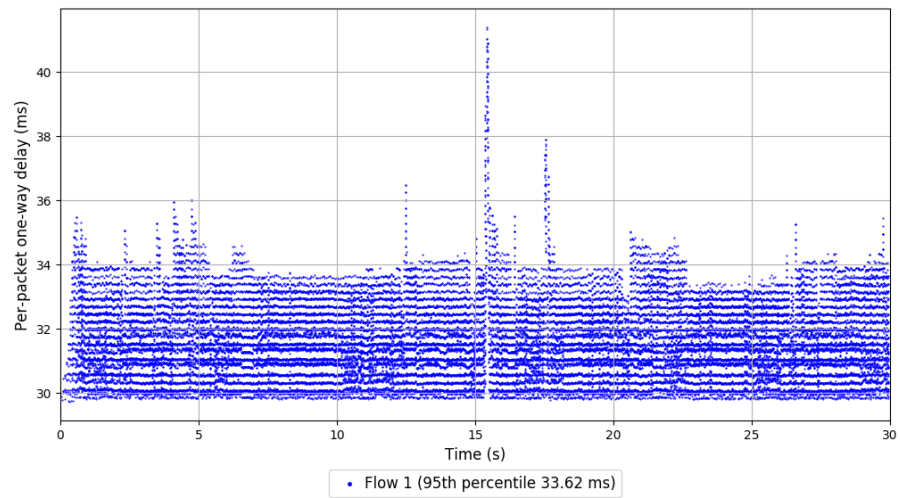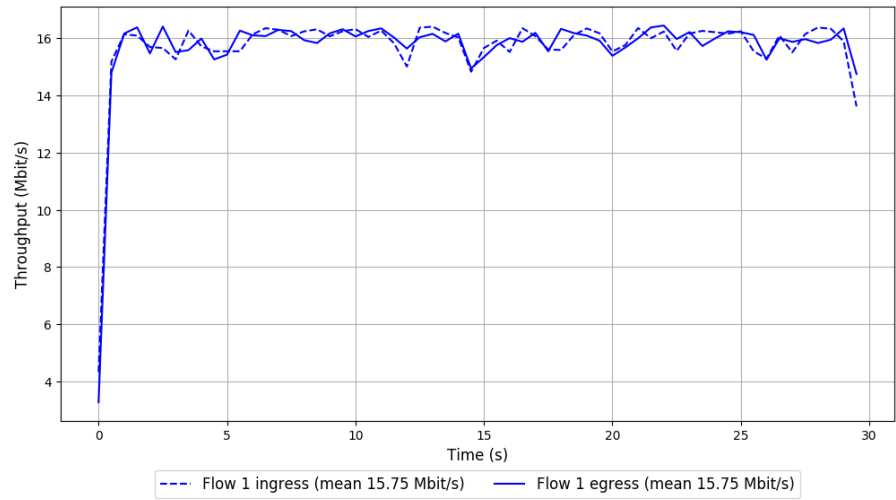
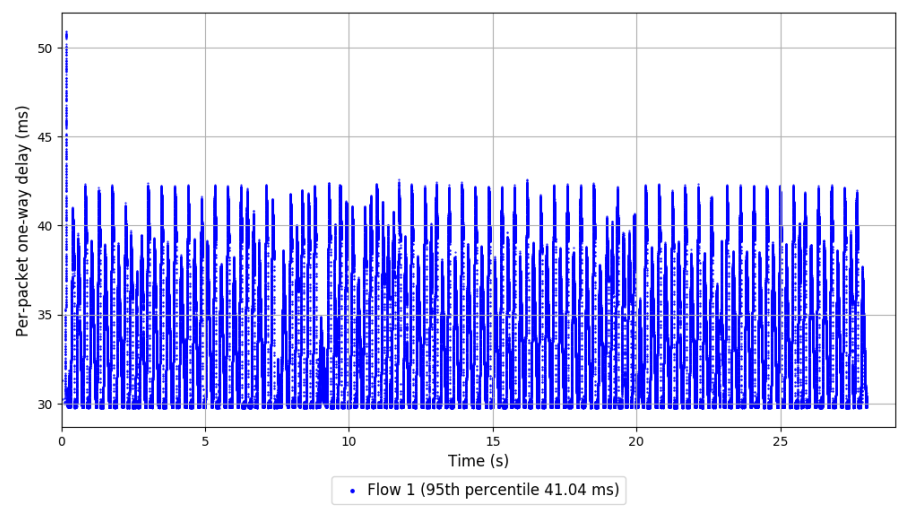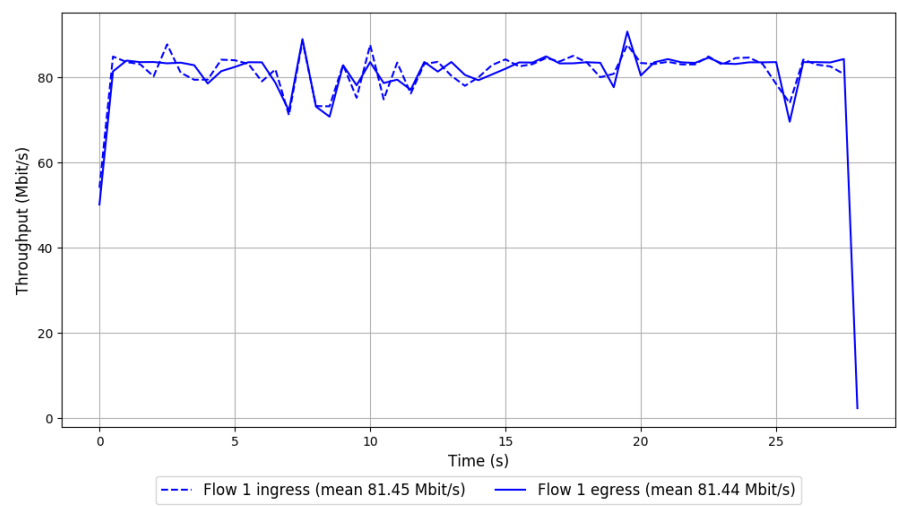Run 10: Report of Sprout — Data Link

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

Start at: 2017-12-19 22:50:07
End at: 2017-12-19 22:50:37
Local clock offset: -1.329 ms
Remote clock offset: -3.498 ms


# Below is generated by plot.py at 2017-12-20 02:31:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.44 Mbit/s
95th percentile per-packet one-way delay: 41.044 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 81.44 Mbit/s
95th percentile per-packet one-way delay: 41.044 ms
Loss rate: 0.02%
```

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

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

Start at: 2017-12-19 23:10:13
End at: 2017-12-19 23:10:43
Local clock offset: -1.161 ms
Remote clock offset: -2.32 ms


# Below is generated by plot.py at 2017-12-20 02:31:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 41.884 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 41.884 ms
Loss rate: 0.16%
```
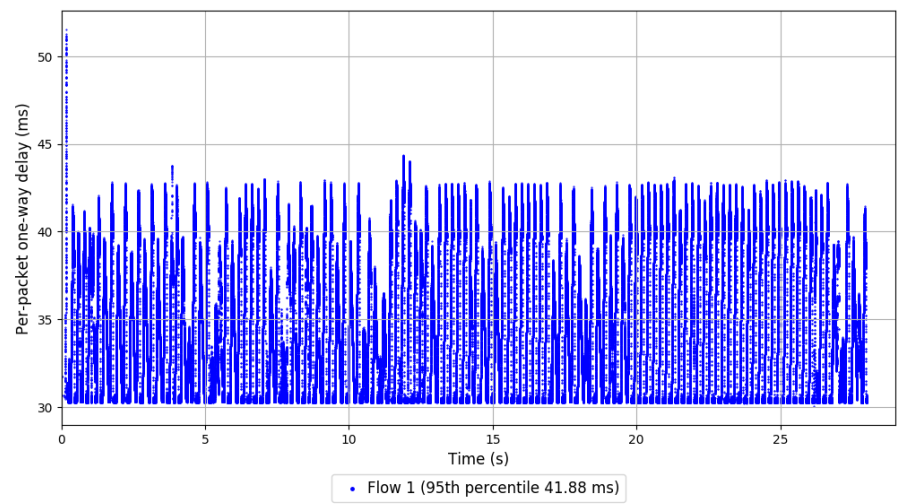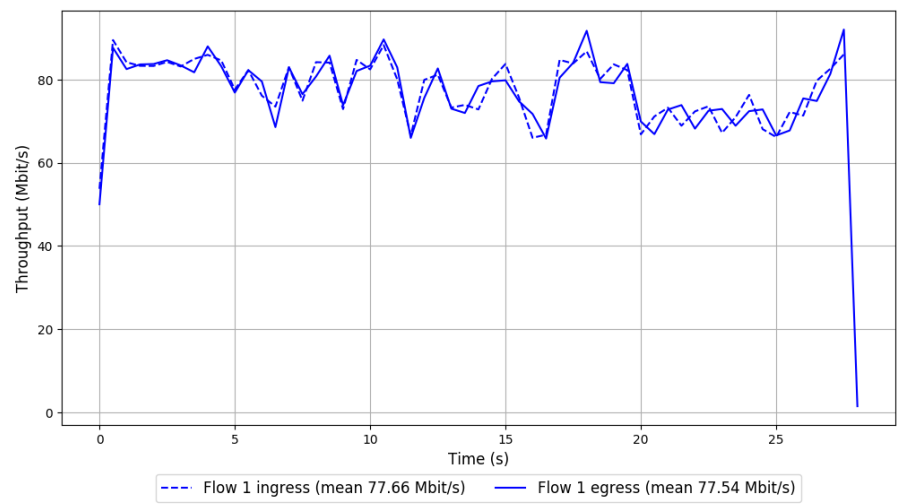
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 77.66 Mbit/s) —— Flow 1 egress (mean 77.54 Mbit/s)
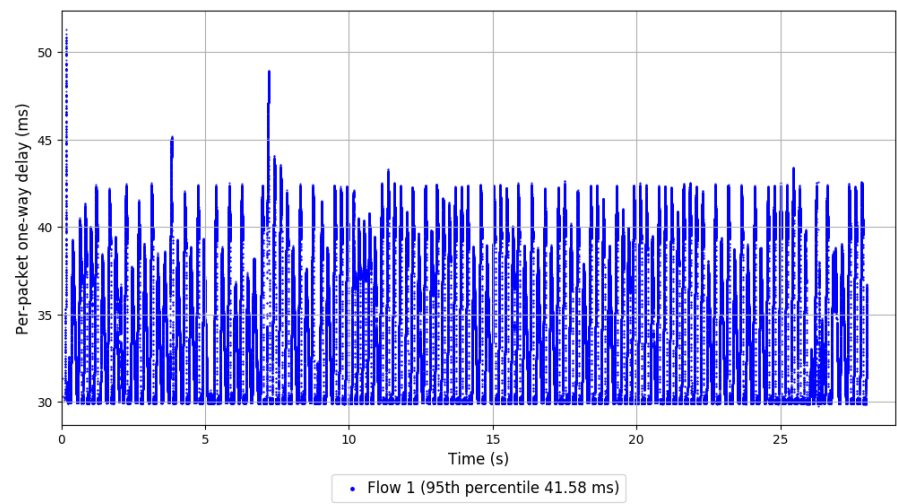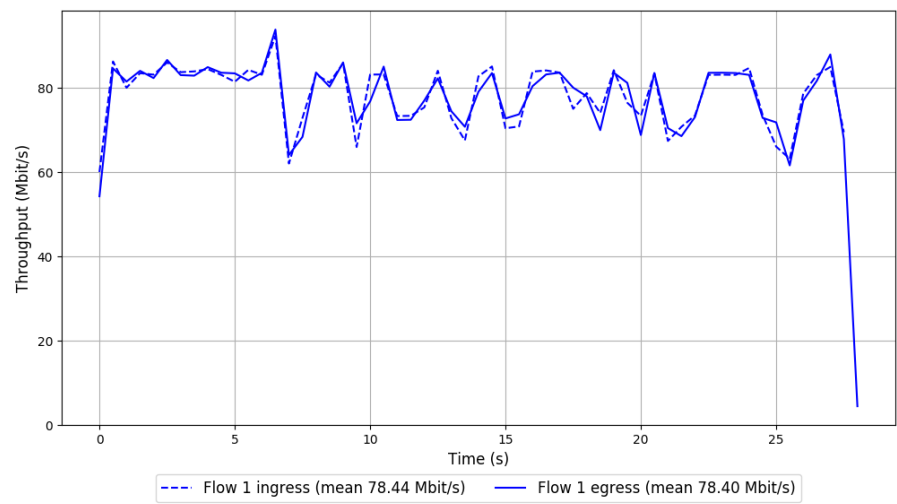

· Flow 1 (95th percentile 41.88 ms)

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

Start at: 2017-12-19 23:30:37
End at: 2017-12-19 23:31:07
Local clock offset: -1.305 ms
Remote clock offset: -2.176 ms


# Below is generated by plot.py at 2017-12-20 02:31:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 41.576 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 41.576 ms
Loss rate: 0.04%
```

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

Flow 1 ingress (mean 78.44 Mbit/s) ----   Flow 1 egress (mean 78.40 Mbit/s) ——
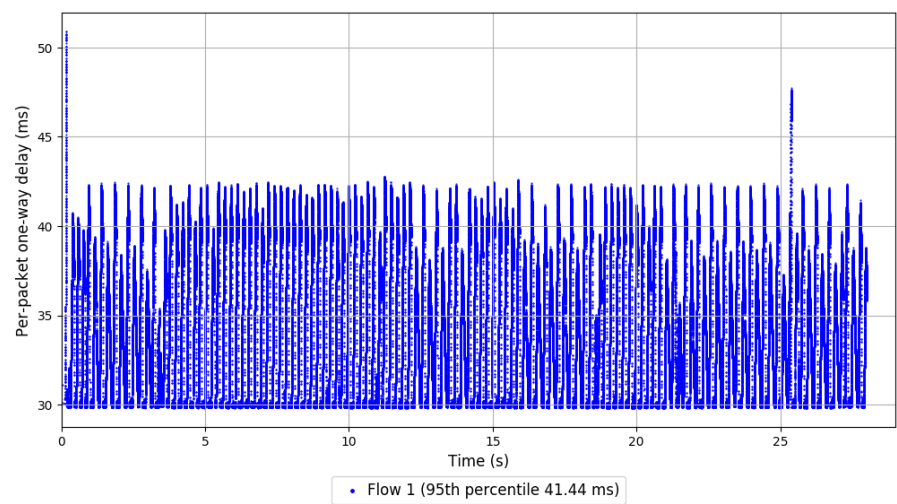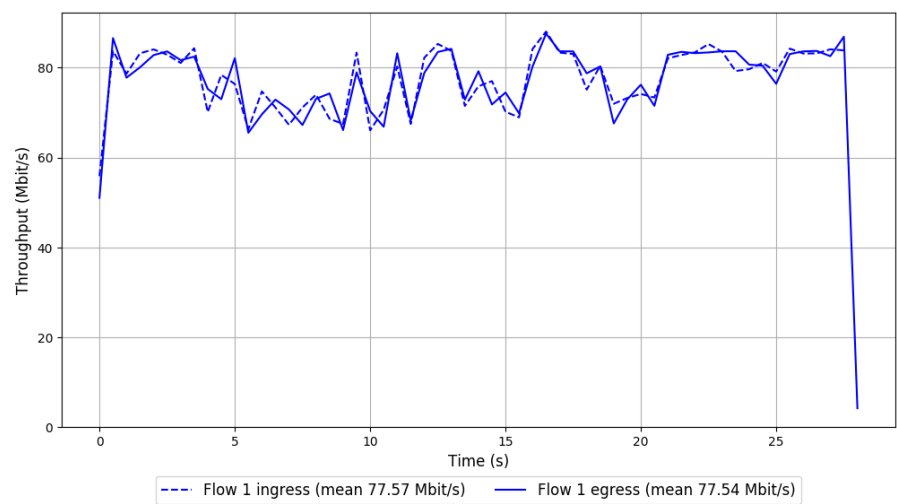

Flow 1 (95th percentile 41.58 ms)

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

Start at: 2017-12-19 23:50:40
End at: 2017-12-19 23:51:10
Local clock offset: -1.466 ms
Remote clock offset: -1.211 ms


# Below is generated by plot.py at 2017-12-20 02:31:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 41.438 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 77.54 Mbit/s
95th percentile per-packet one-way delay: 41.438 ms
Loss rate: 0.02%
```

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

Flow 1 ingress (mean 77.57 Mbit/s) ----- Flow 1 egress (mean 77.54 Mbit/s) ——
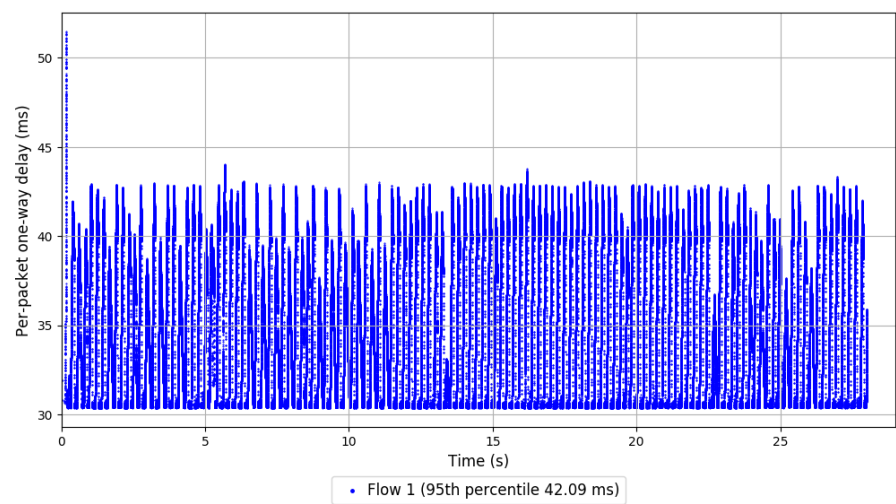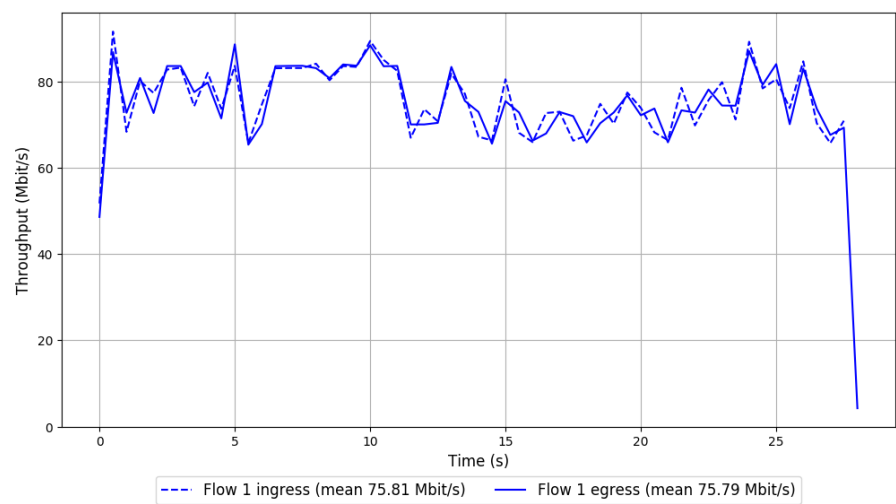

Flow 1 (95th percentile 41.44 ms)

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

Start at: 2017-12-20 00:10:40
End at: 2017-12-20 00:11:10
Local clock offset: -1.847 ms
Remote clock offset: -0.943 ms


# Below is generated by plot.py at 2017-12-20 02:31:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 42.085 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 75.79 Mbit/s
95th percentile per-packet one-way delay: 42.085 ms
Loss rate: 0.01%
```

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

Flow 1 ingress (mean 75.81 Mbit/s)   Flow 1 egress (mean 75.79 Mbit/s)
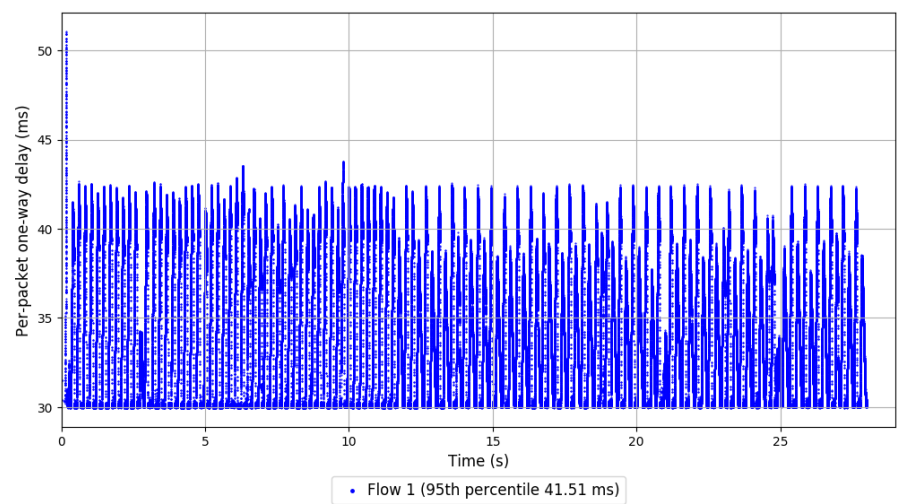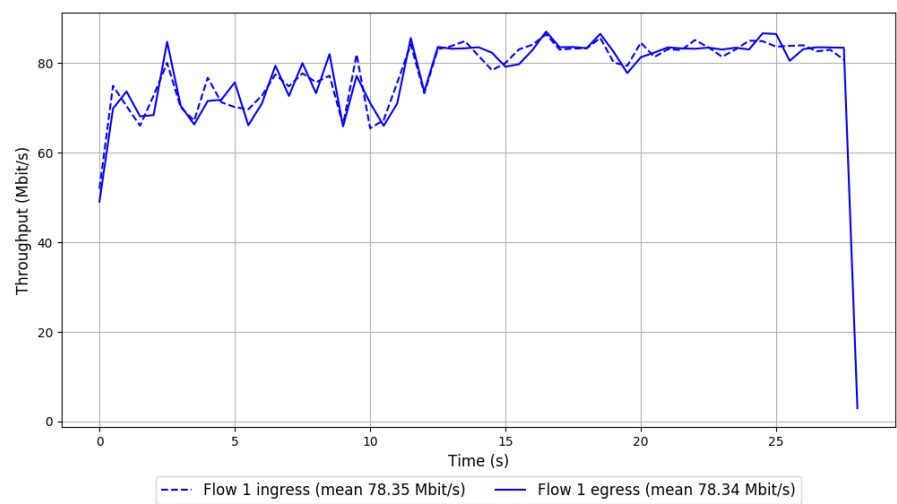

Flow 1 (95th percentile 42.09 ms)

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

Start at: 2017-12-20 00:31:08
End at: 2017-12-20 00:31:38
Local clock offset: -2.182 ms
Remote clock offset: -2.241 ms

# Below is generated by plot.py at 2017-12-20 02:31:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.34 Mbit/s
95th percentile per-packet one-way delay: 41.509 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.34 Mbit/s
95th percentile per-packet one-way delay: 41.509 ms
Loss rate: 0.01%
```

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

Flow 1 ingress (mean 78.35 Mbit/s) Flow 1 egress (mean 78.34 Mbit/s)

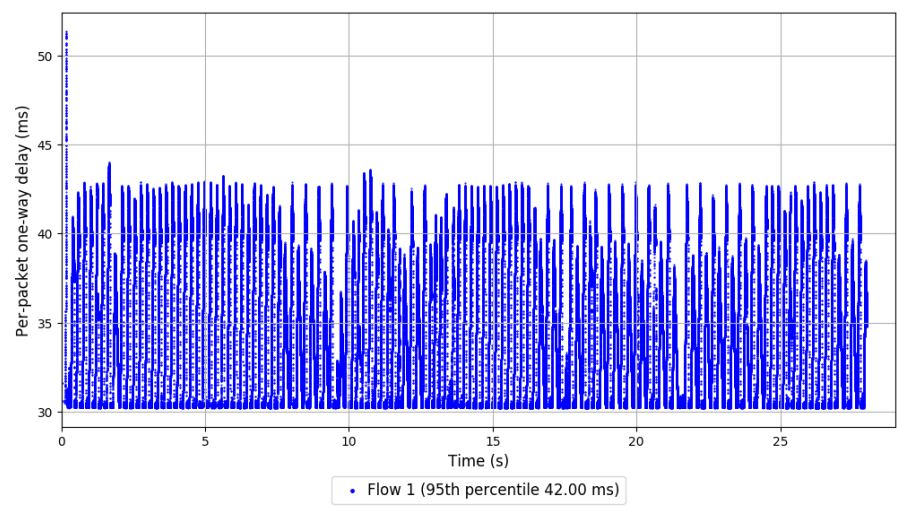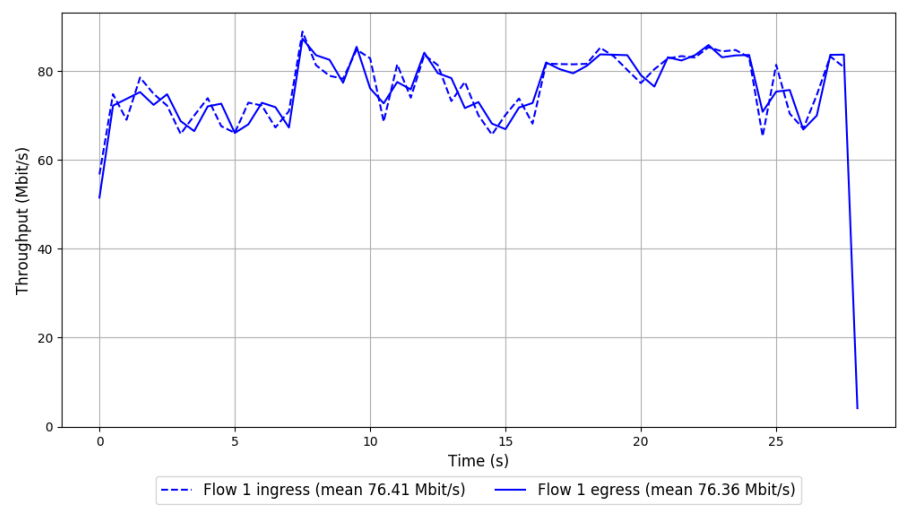
Flow 1 (95th percentile 41.51 ms)

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

Start at: 2017-12-20 00:51:59
End at: 2017-12-20 00:52:29
Local clock offset: -2.4 ms
Remote clock offset: -1.765 ms


# Below is generated by plot.py at 2017-12-20 02:31:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.36 Mbit/s
95th percentile per-packet one-way delay: 41.997 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 76.36 Mbit/s
95th percentile per-packet one-way delay: 41.997 ms
Loss rate: 0.06%
```

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

Flow 1 ingress (mean 76.41 Mbit/s)   Flow 1 egress (mean 76.36 Mbit/s)
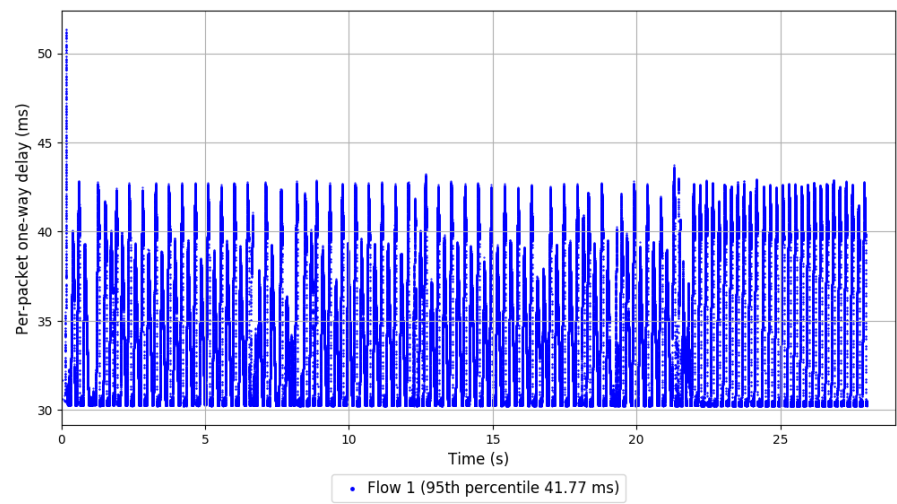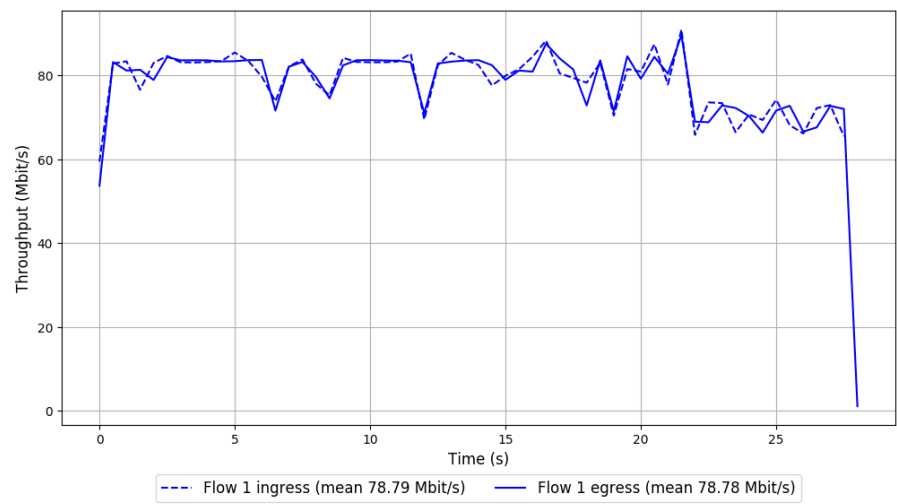

Flow 1 (95th percentile 42.00 ms)

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

Start at: 2017-12-20 01:12:20
End at: 2017-12-20 01:12:50
Local clock offset: -2.321 ms
Remote clock offset: -1.025 ms


# Below is generated by plot.py at 2017-12-20 02:32:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: 41.775 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 78.78 Mbit/s
95th percentile per-packet one-way delay: 41.775 ms
Loss rate: 0.02%
```

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

Flow 1 ingress (mean 78.79 Mbit/s) --- Flow 1 egress (mean 78.78 Mbit/s)
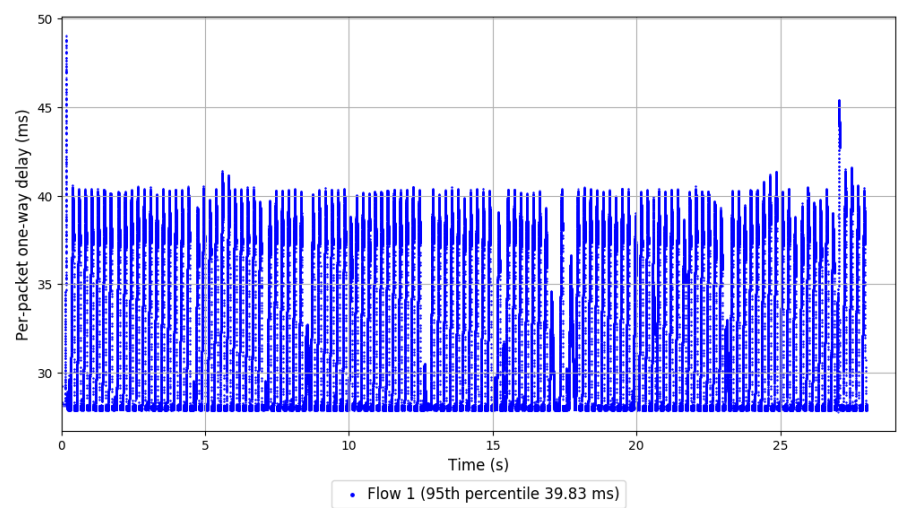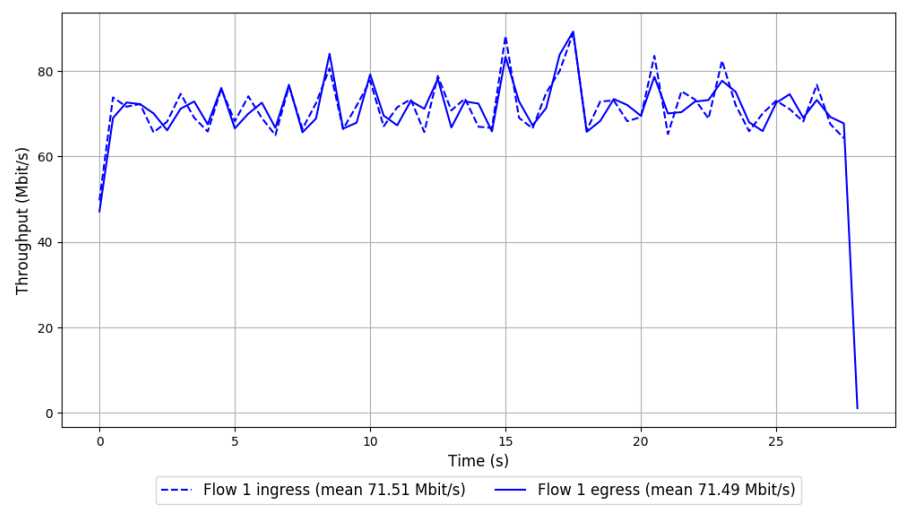

Flow 1 (95th percentile 41.77 ms)

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

Start at: 2017-12-20 01:33:01
End at: 2017-12-20 01:33:31
Local clock offset: -2.322 ms
Remote clock offset: -2.212 ms


# Below is generated by plot.py at 2017-12-20 02:33:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.49 Mbit/s
95th percentile per-packet one-way delay: 39.827 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 71.49 Mbit/s
95th percentile per-packet one-way delay: 39.827 ms
Loss rate: 0.03%
```
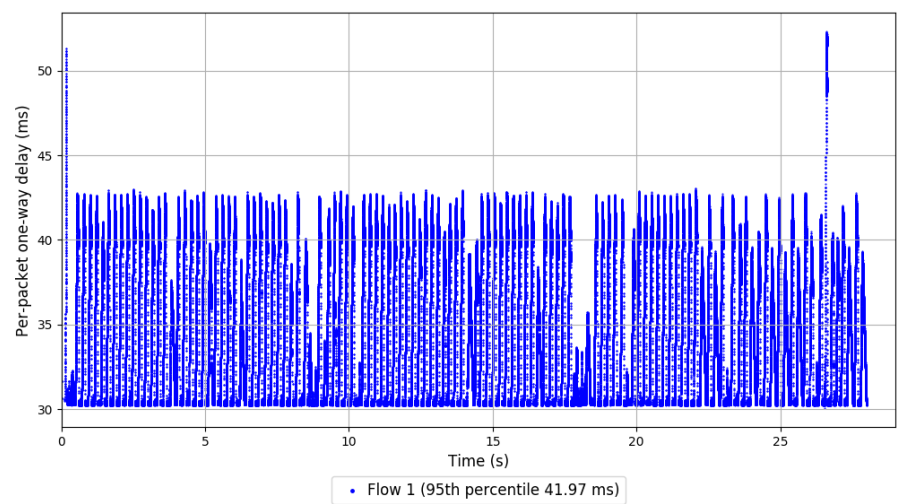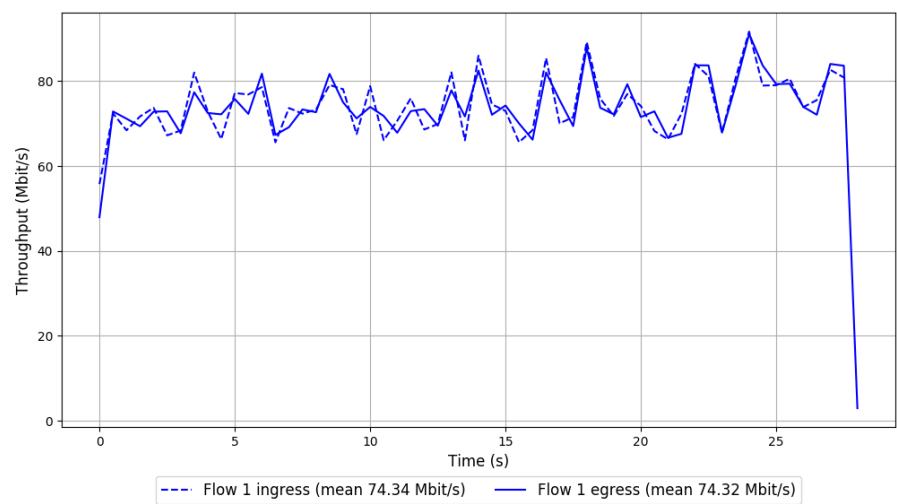
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 71.51 Mbit/s) Flow 1 egress (mean 71.49 Mbit/s)

Flow 1 (95th percentile 39.83 ms)

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

Start at: 2017-12-20 01:53:52
End at: 2017-12-20 01:54:22
Local clock offset: -2.183 ms
Remote clock offset: 0.923 ms


# Below is generated by plot.py at 2017-12-20 02:33:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 41.966 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 74.32 Mbit/s
95th percentile per-packet one-way delay: 41.966 ms
Loss rate: 0.03%
```

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

Flow 1 ingress (mean 74.34 Mbit/s) --- Flow 1 egress (mean 74.32 Mbit/s)
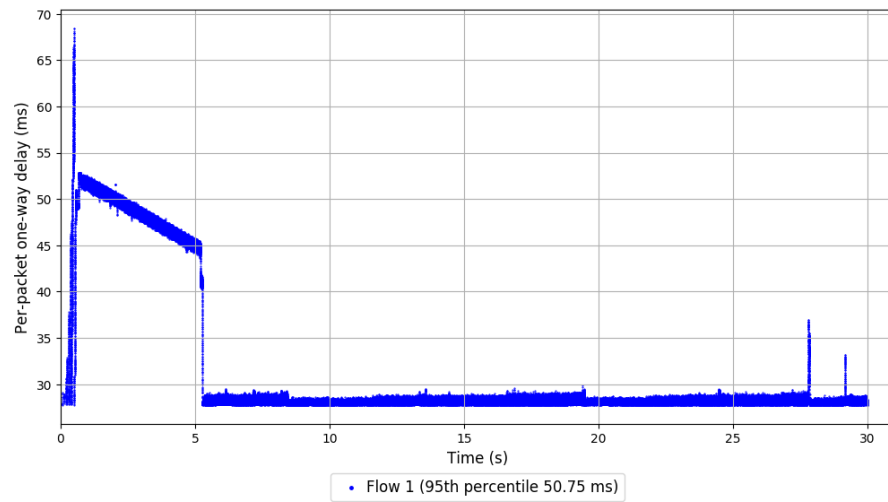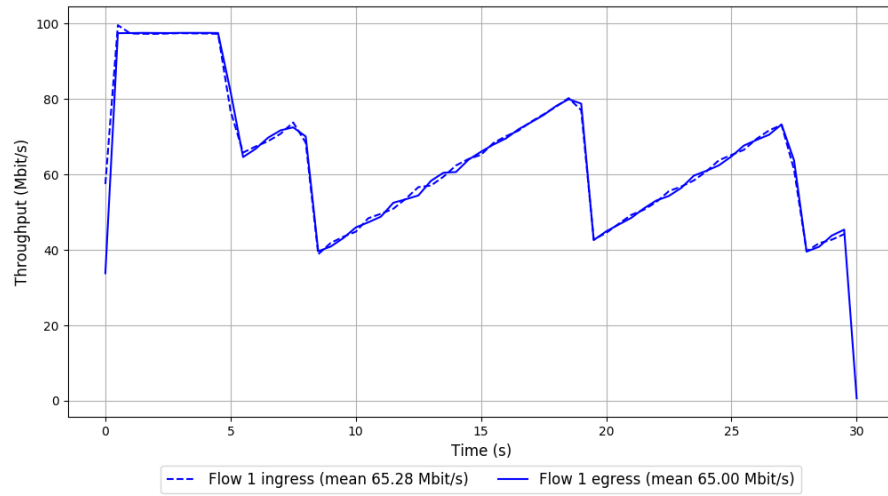

• Flow 1 (95th percentile 41.97 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2017-12-19 22:42:26
End at: 2017-12-19 22:42:56
Local clock offset: -1.565 ms
Remote clock offset: -5.708 ms


# Below is generated by plot.py at 2017-12-20 02:33:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.00 Mbit/s
95th percentile per-packet one-way delay: 50.747 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 65.00 Mbit/s
95th percentile per-packet one-way delay: 50.747 ms
Loss rate: 0.43%
```

Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2017-12-19 23:02:22
End at: 2017-12-19 23:02:52
Local clock offset: -1.186 ms
Remote clock offset: -2.6 ms


# Below is generated by plot.py at 2017-12-20 02:33:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.39 Mbit/s
95th percentile per-packet one-way delay: 46.151 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 79.39 Mbit/s
95th percentile per-packet one-way delay: 46.151 ms
Loss rate: 0.39%
```
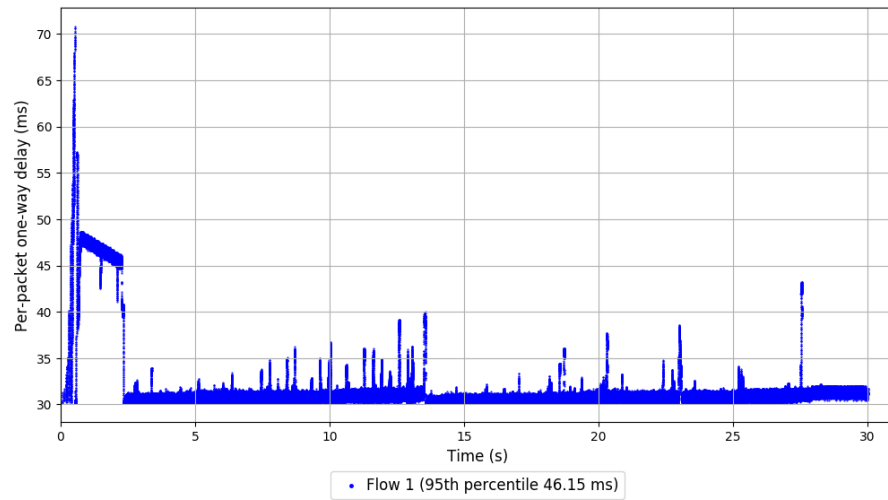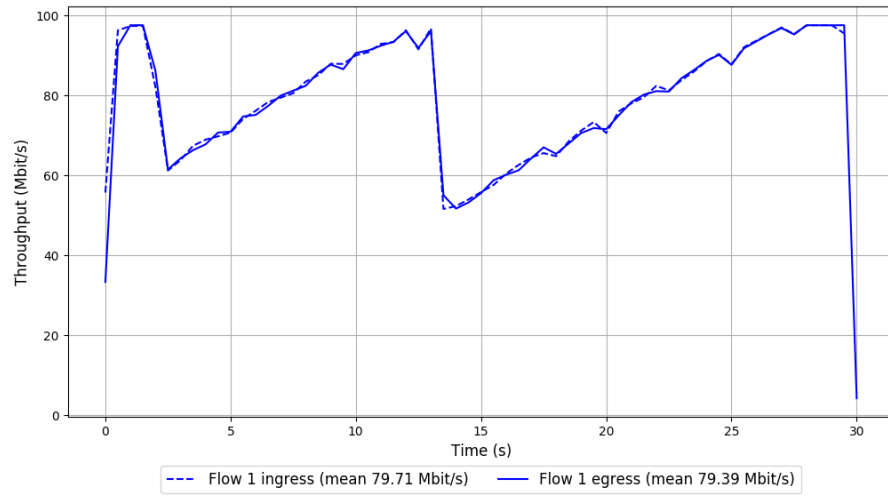
Run 2: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 79.71 Mbit/s)   Flow 1 egress (mean 79.39 Mbit/s)

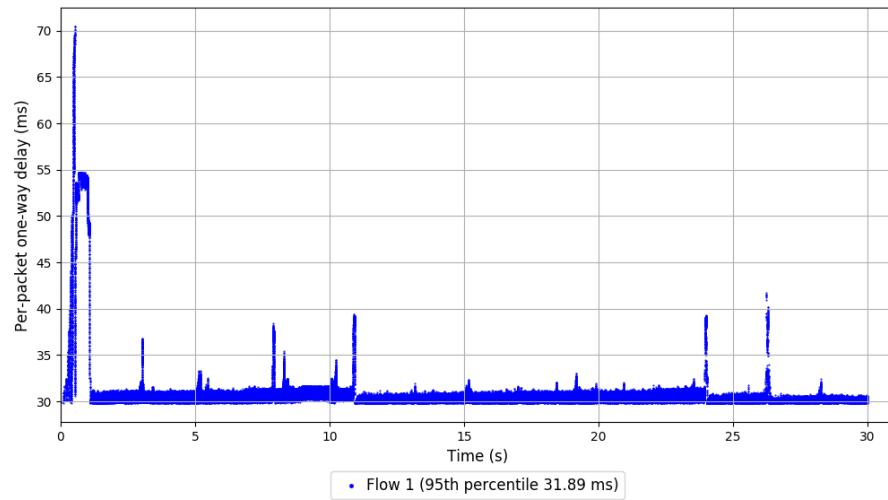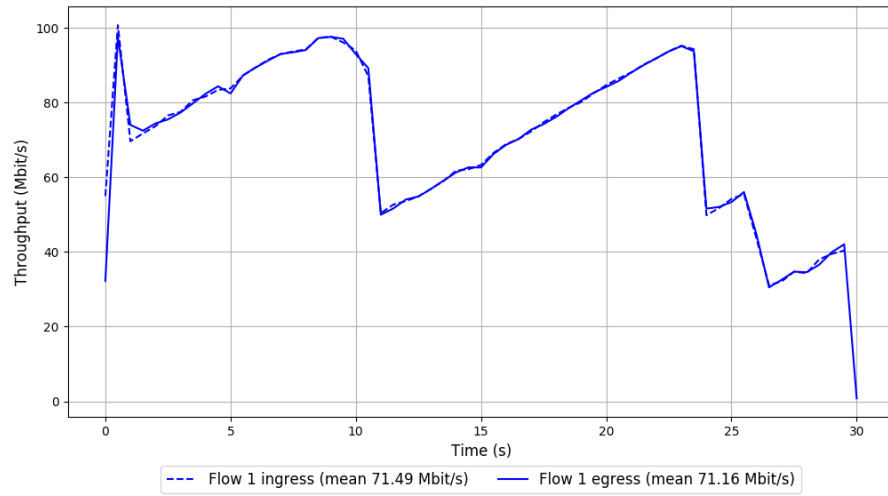Flow 1 (95th percentile 46.15 ms)

```
Run 3: Statistics of TCP Vegas

Start at: 2017-12-19 23:22:39
End at: 2017-12-19 23:23:09
Local clock offset: -1.203 ms
Remote clock offset: -2.502 ms

# Below is generated by plot.py at 2017-12-20 02:33:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.16 Mbit/s
95th percentile per-packet one-way delay: 31.886 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 71.16 Mbit/s
95th percentile per-packet one-way delay: 31.886 ms
Loss rate: 0.46%
```
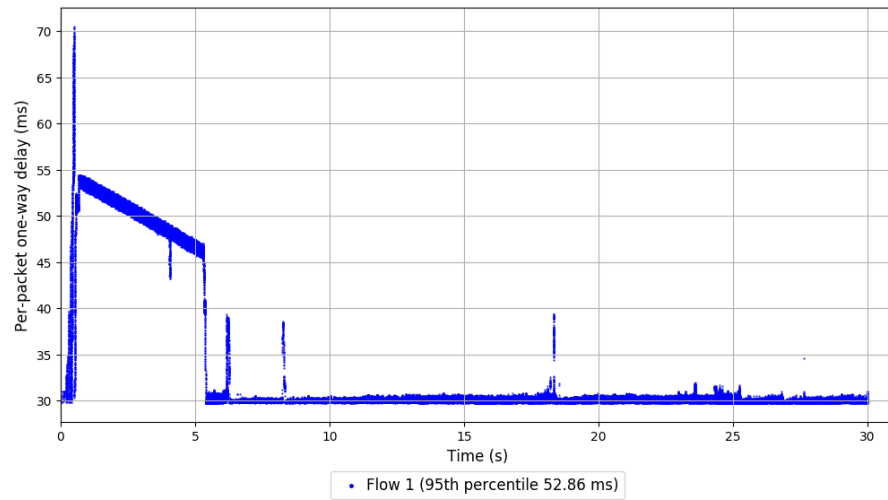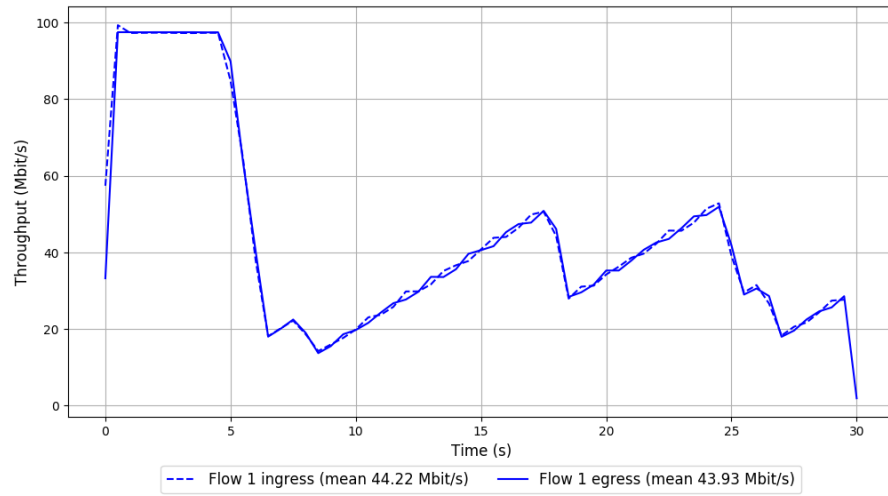
Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2017-12-19 23:42:56
End at: 2017-12-19 23:43:26
Local clock offset: -1.375 ms
Remote clock offset: -1.638 ms


# Below is generated by plot.py at 2017-12-20 02:33:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 52.858 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 52.858 ms
Loss rate: 0.66%
```
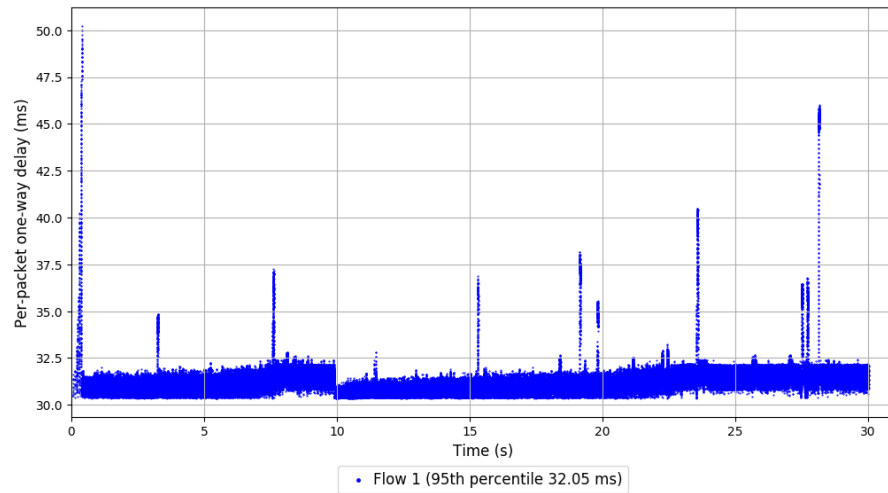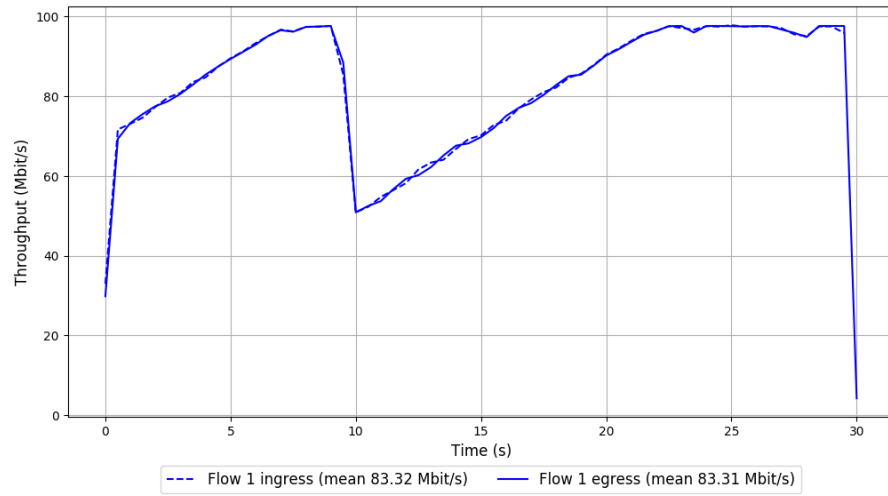
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2017-12-20 00:02:52
End at: 2017-12-20 00:03:22
Local clock offset: -1.721 ms
Remote clock offset: -0.725 ms


# Below is generated by plot.py at 2017-12-20 02:33:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 32.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 32.046 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 83.32 Mbit/s) --- Flow 1 egress (mean 83.31 Mbit/s)

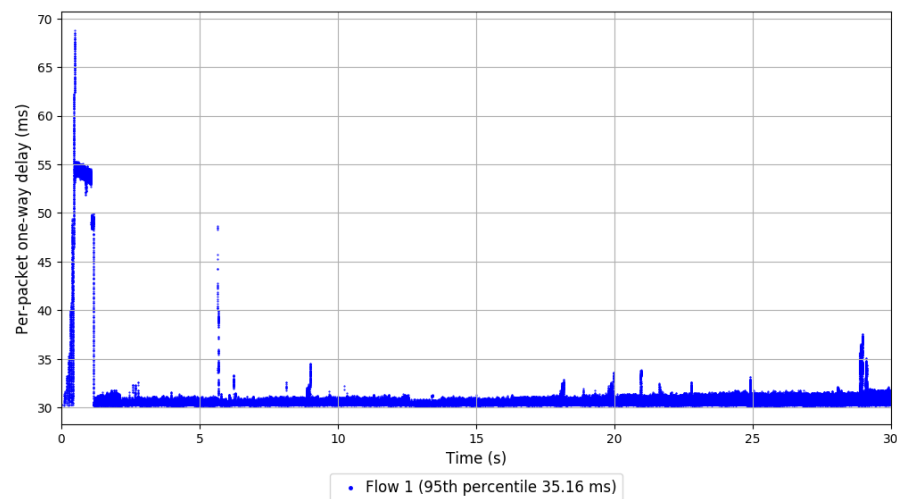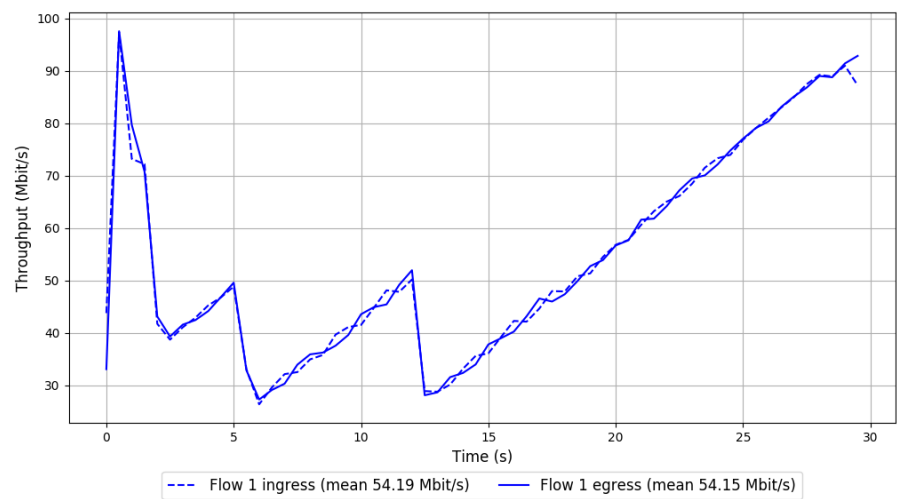
Flow 1 (95th percentile 32.05 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2017-12-20 00:23:06
End at: 2017-12-20 00:23:36
Local clock offset: -1.974 ms
Remote clock offset: -1.612 ms


# Below is generated by plot.py at 2017-12-20 02:33:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 35.156 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 54.15 Mbit/s
95th percentile per-packet one-way delay: 35.156 ms
Loss rate: 0.06%
```
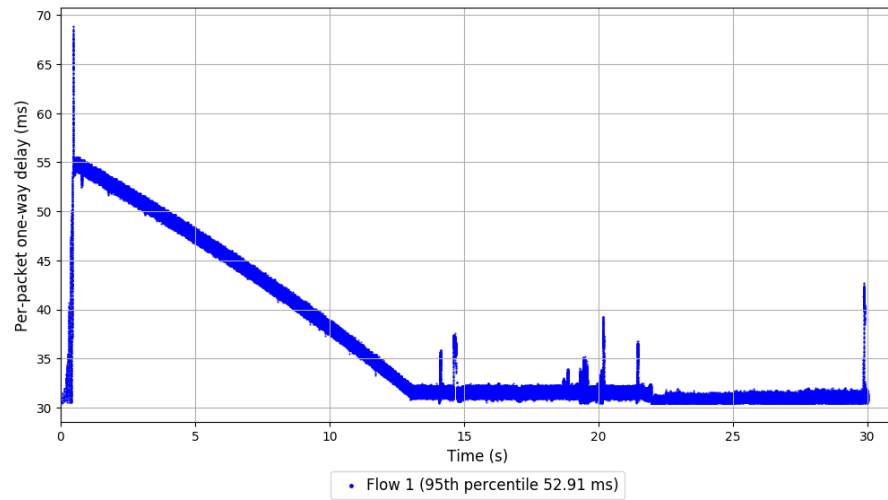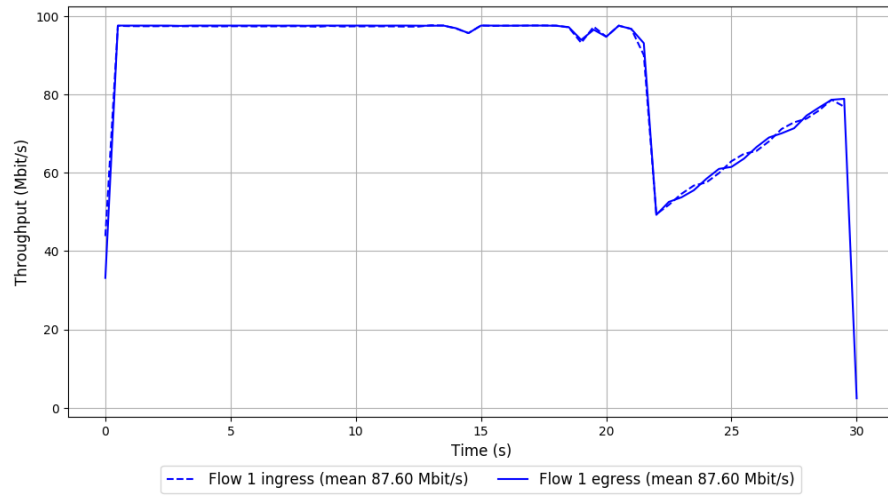
Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2017-12-20 00:43:54
End at: 2017-12-20 00:44:24
Local clock offset: -2.328 ms
Remote clock offset: -1.795 ms


# Below is generated by plot.py at 2017-12-20 02:33:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 52.909 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.60 Mbit/s
95th percentile per-packet one-way delay: 52.909 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 87.60 Mbit/s) — — — Flow 1 egress (mean 87.60 Mbit/s)
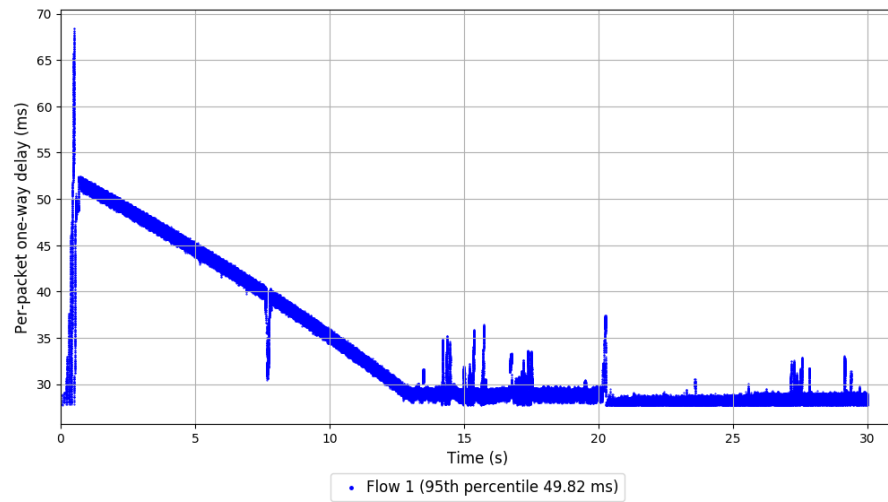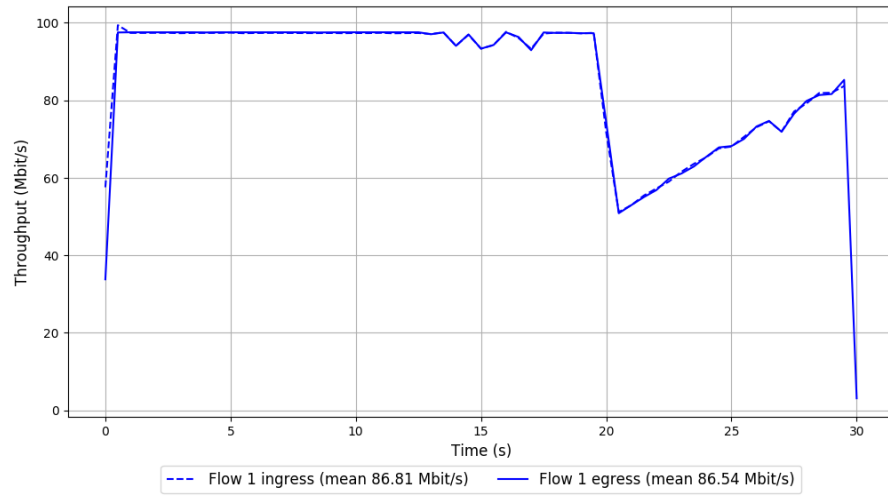

• Flow 1 (95th percentile 52.91 ms)

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```
Run 8: Statistics of TCP Vegas

Start at: 2017-12-20 01:04:28
End at: 2017-12-20 01:04:58
Local clock offset: -2.414 ms
Remote clock offset: -3.826 ms


# Below is generated by plot.py at 2017-12-20 02:33:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 49.816 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 86.54 Mbit/s
95th percentile per-packet one-way delay: 49.816 ms
Loss rate: 0.31%
```

Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 86.81 Mbit/s)   Flow 1 egress (mean 86.54 Mbit/s)

Flow 1 (95th percentile 49.82 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2017-12-20 01:24:57
End at: 2017-12-20 01:25:27
Local clock offset: -2.27 ms
Remote clock offset: -2.84 ms


# Below is generated by plot.py at 2017-12-20 02:34:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 49.425 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 49.425 ms
Loss rate: 0.27%
```
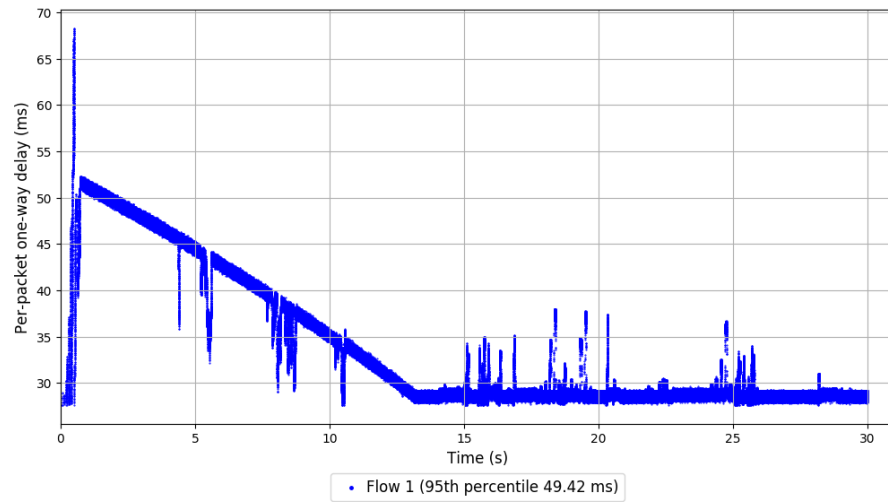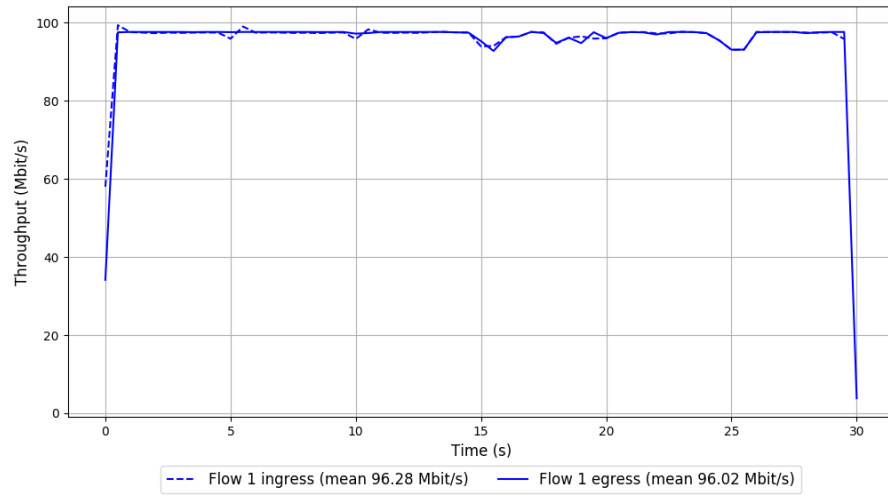
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.28 Mbit/s) --- Flow 1 egress (mean 96.02 Mbit/s)

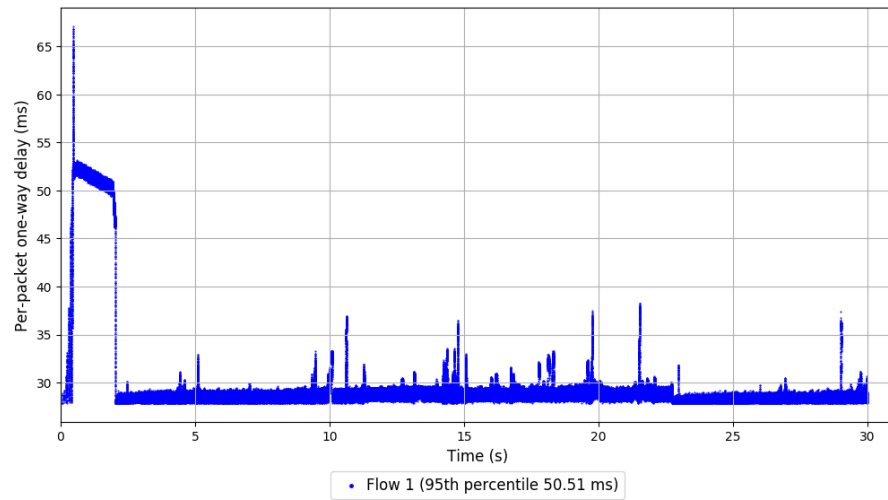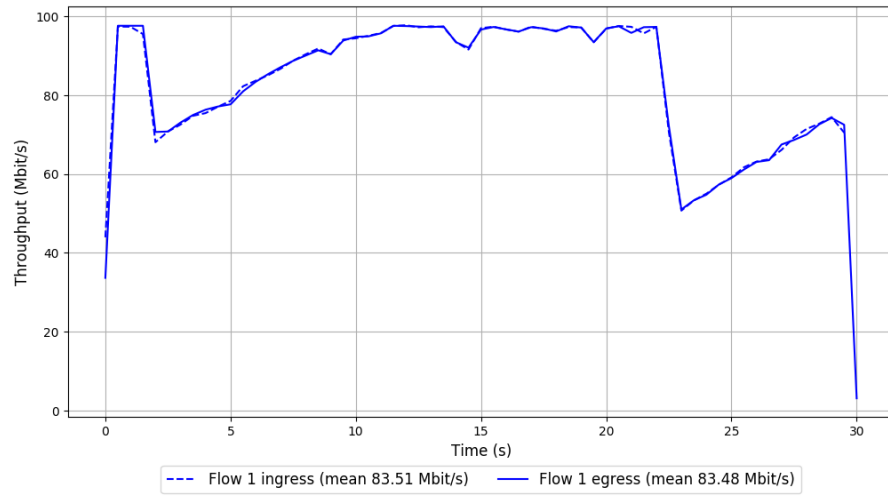
Flow 1 (95th percentile 49.42 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2017-12-20 01:45:50
End at: 2017-12-20 01:46:20
Local clock offset: -2.269 ms
Remote clock offset: -1.728 ms


# Below is generated by plot.py at 2017-12-20 02:34:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 50.508 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 50.508 ms
Loss rate: 0.03%
```

Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 83.51 Mbit/s)   Flow 1 egress (mean 83.48 Mbit/s)
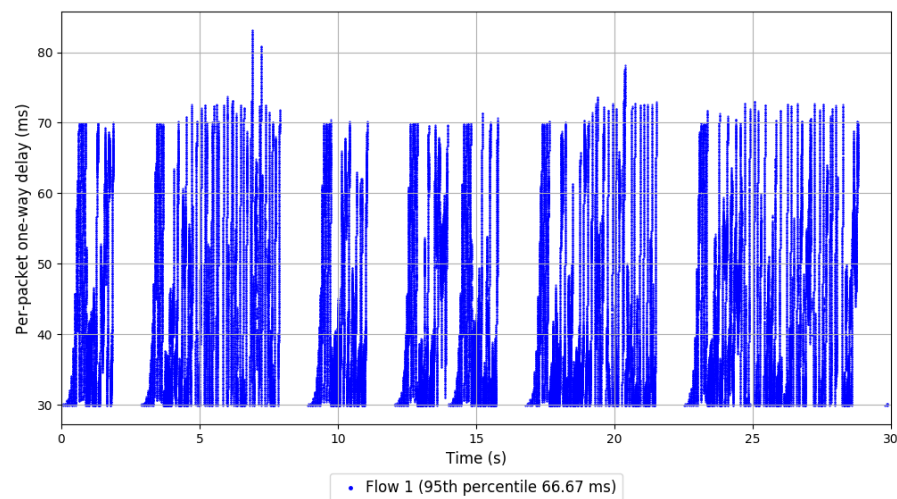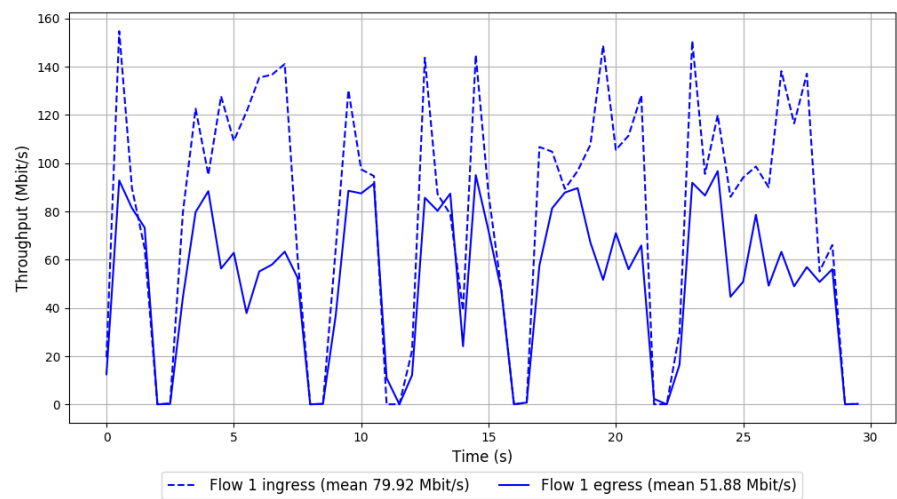

Flow 1 (95th percentile 50.51 ms)

```
Run 1: Statistics of Verus

Start at: 2017-12-19 22:41:07
End at: 2017-12-19 22:41:37
Local clock offset: -1.493 ms
Remote clock offset: -3.544 ms


# Below is generated by plot.py at 2017-12-20 02:34:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.88 Mbit/s
95th percentile per-packet one-way delay: 66.665 ms
Loss rate: 35.09%
-- Flow 1:
Average throughput: 51.88 Mbit/s
95th percentile per-packet one-way delay: 66.665 ms
Loss rate: 35.09%
```
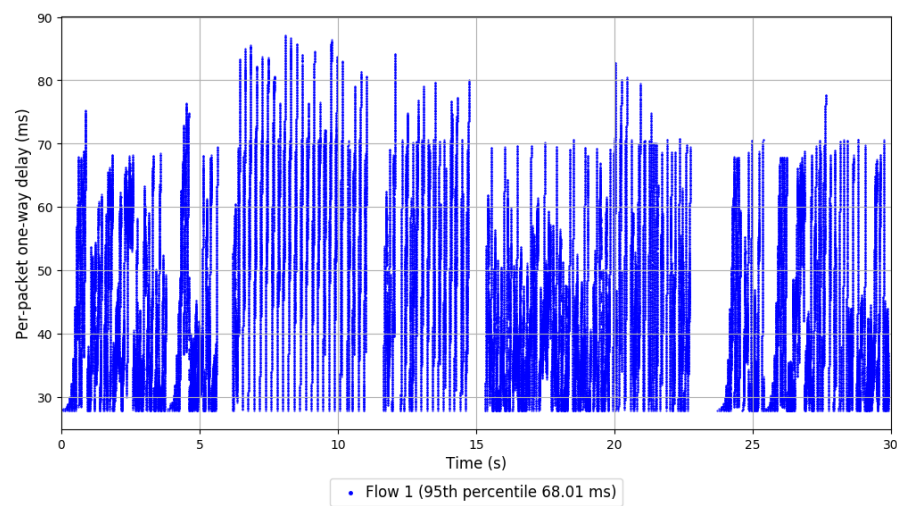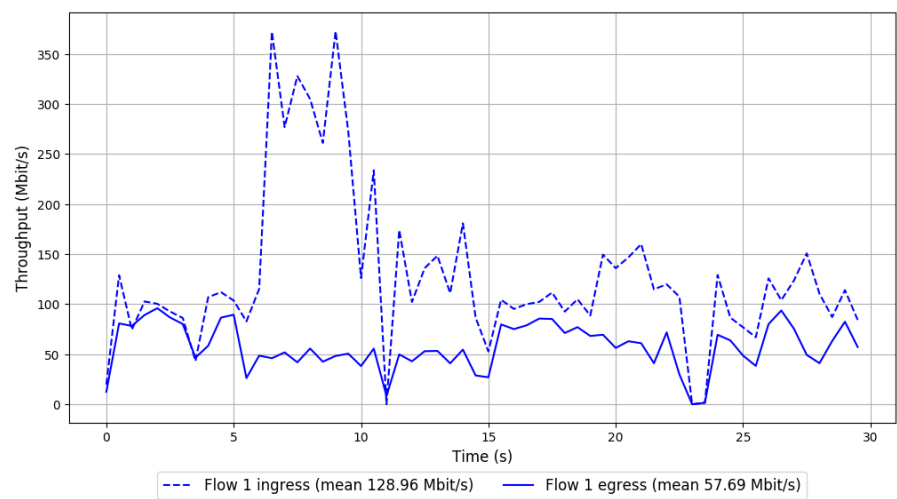
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2017-12-19 23:01:01
End at: 2017-12-19 23:01:31
Local clock offset: -1.285 ms
Remote clock offset: -5.057 ms


# Below is generated by plot.py at 2017-12-20 02:34:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 68.014 ms
Loss rate: 55.25%
-- Flow 1:
Average throughput: 57.69 Mbit/s
95th percentile per-packet one-way delay: 68.014 ms
Loss rate: 55.25%
```

Run 2: Report of Verus — Data Link

Flow 1 ingress (mean 128.96 Mbit/s)　　Flow 1 egress (mean 57.69 Mbit/s)

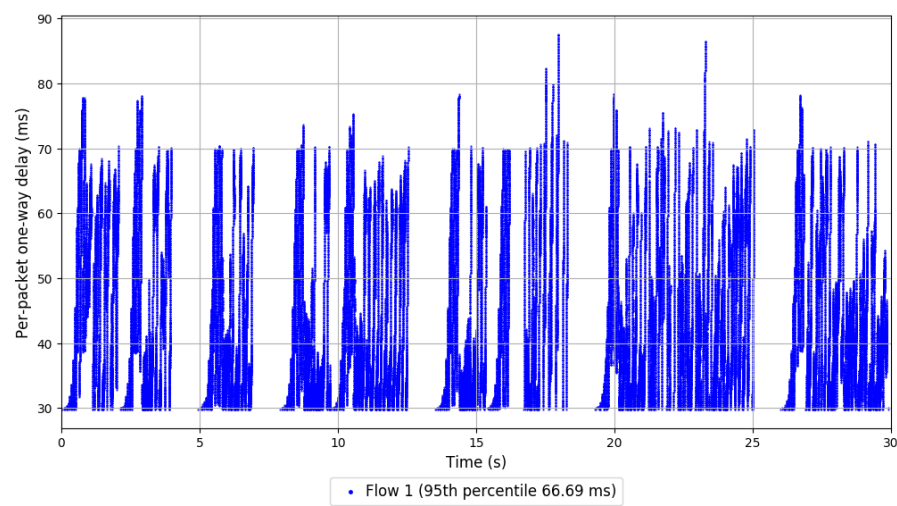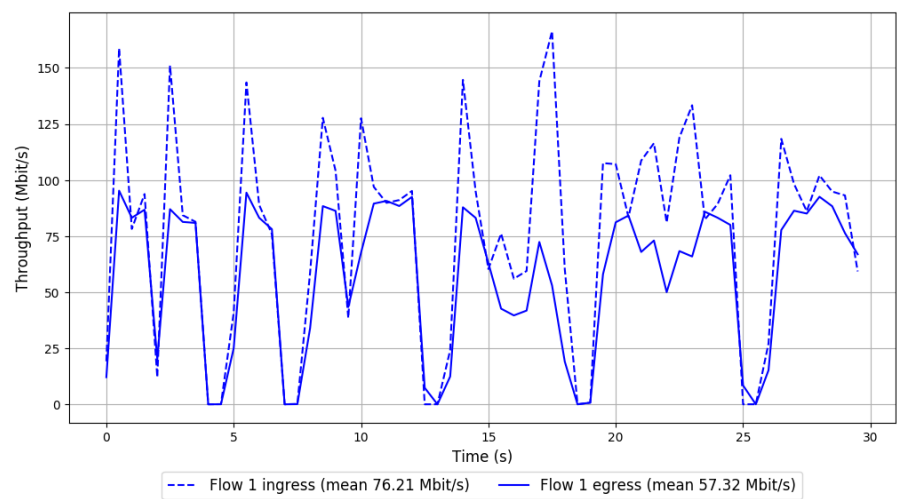• Flow 1 (95th percentile 68.01 ms)

```
Run 3: Statistics of Verus

Start at: 2017-12-19 23:21:14
End at: 2017-12-19 23:21:44
Local clock offset: -1.175 ms
Remote clock offset: -2.552 ms


# Below is generated by plot.py at 2017-12-20 02:34:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.32 Mbit/s
95th percentile per-packet one-way delay: 66.694 ms
Loss rate: 24.79%
-- Flow 1:
Average throughput: 57.32 Mbit/s
95th percentile per-packet one-way delay: 66.694 ms
Loss rate: 24.79%
```

Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 76.21 Mbit/s) --- Flow 1 egress (mean 57.32 Mbit/s)

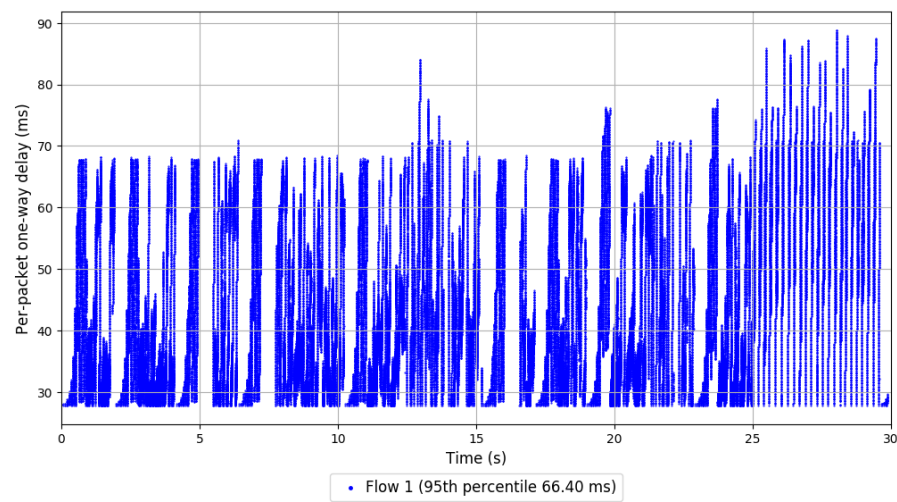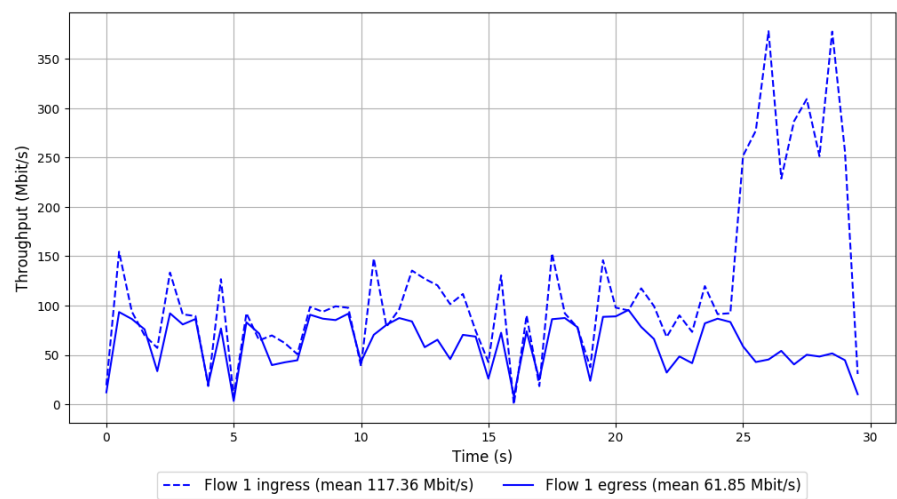Flow 1 (95th percentile 66.69 ms)

```
Run 4: Statistics of Verus

Start at: 2017-12-19 23:41:35
End at: 2017-12-19 23:42:05
Local clock offset: -1.345 ms
Remote clock offset: -3.649 ms


# Below is generated by plot.py at 2017-12-20 02:34:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.85 Mbit/s
95th percentile per-packet one-way delay: 66.401 ms
Loss rate: 47.30%
-- Flow 1:
Average throughput: 61.85 Mbit/s
95th percentile per-packet one-way delay: 66.401 ms
Loss rate: 47.30%
```

Run 4: Report of Verus — Data Link

Flow 1 ingress (mean 117.36 Mbit/s) --- Flow 1 egress (mean 61.85 Mbit/s)

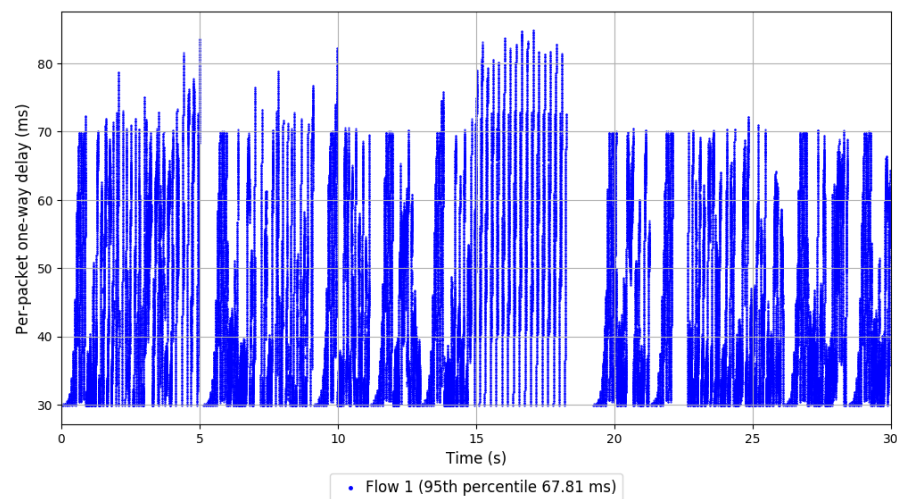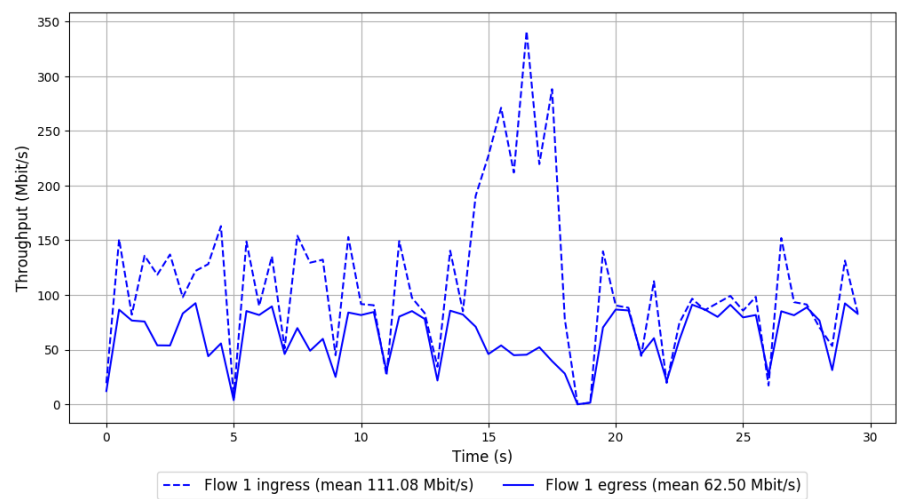• Flow 1 (95th percentile 66.40 ms)

```
Run 5: Statistics of Verus

Start at: 2017-12-20 00:01:30
End at: 2017-12-20 00:02:00
Local clock offset: -1.727 ms
Remote clock offset: -1.254 ms


# Below is generated by plot.py at 2017-12-20 02:34:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.50 Mbit/s
95th percentile per-packet one-way delay: 67.810 ms
Loss rate: 43.70%
-- Flow 1:
Average throughput: 62.50 Mbit/s
95th percentile per-packet one-way delay: 67.810 ms
Loss rate: 43.70%
```

Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 111.08 Mbit/s)   Flow 1 egress (mean 62.50 Mbit/s)

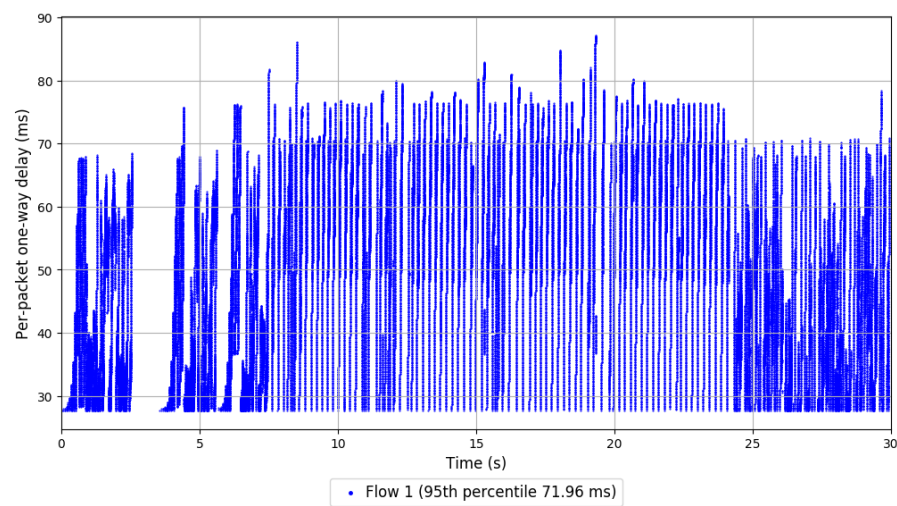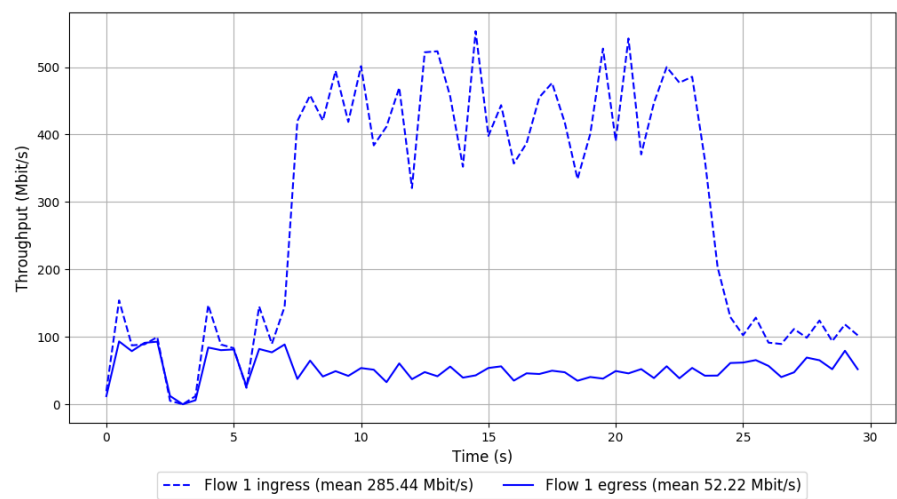• Flow 1 (95th percentile 67.81 ms)

```
Run 6: Statistics of Verus

Start at: 2017-12-20 00:21:37
End at: 2017-12-20 00:22:07
Local clock offset: -1.956 ms
Remote clock offset: -4.081 ms


# Below is generated by plot.py at 2017-12-20 02:35:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.22 Mbit/s
95th percentile per-packet one-way delay: 71.957 ms
Loss rate: 81.69%
-- Flow 1:
Average throughput: 52.22 Mbit/s
95th percentile per-packet one-way delay: 71.957 ms
Loss rate: 81.69%
```

Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 285.44 Mbit/s)   Flow 1 egress (mean 52.22 Mbit/s)

Flow 1 (95th percentile 71.96 ms)

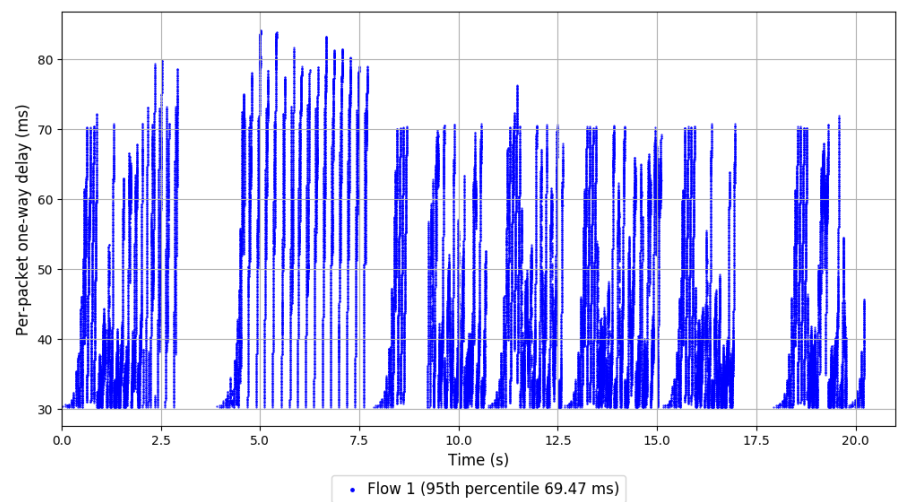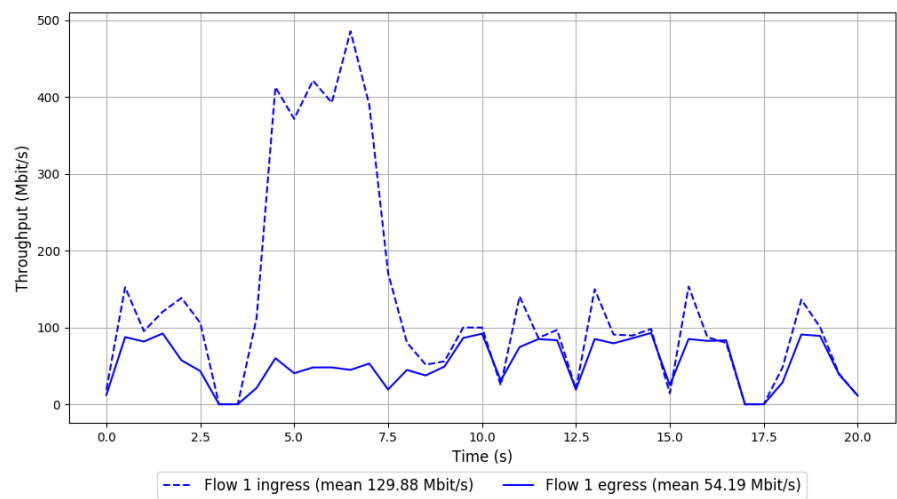```
Run 7: Statistics of Verus

Start at: 2017-12-20 00:42:32
End at: 2017-12-20 00:43:02
Local clock offset: -2.29 ms
Remote clock offset: -1.968 ms
```
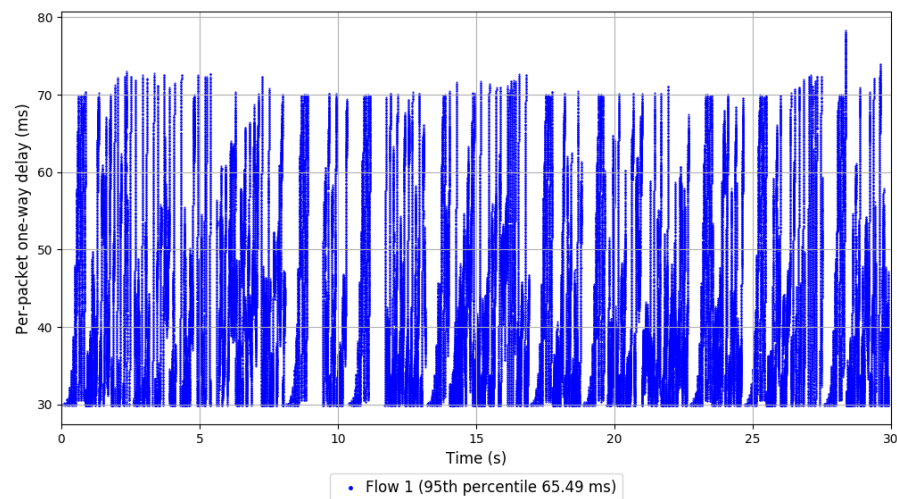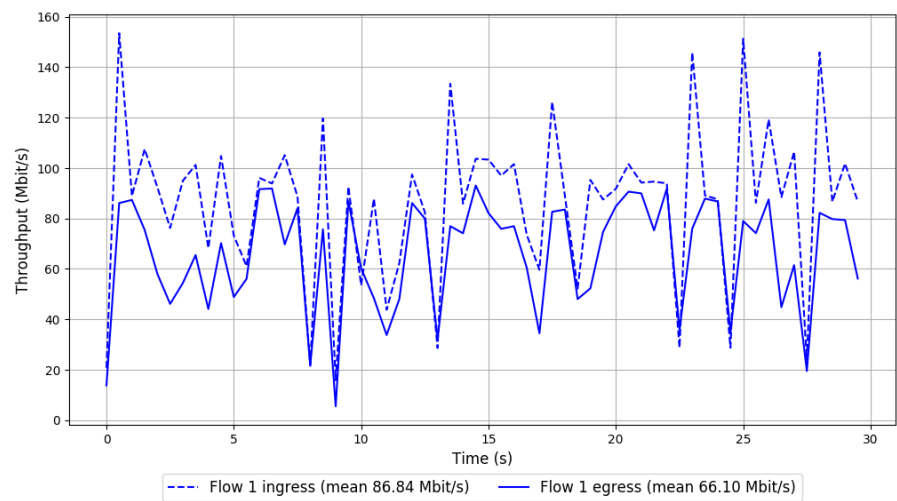
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2017-12-20 01:03:05
End at: 2017-12-20 01:03:35
Local clock offset: -2.464 ms
Remote clock offset: -1.801 ms


# Below is generated by plot.py at 2017-12-20 02:35:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.10 Mbit/s
95th percentile per-packet one-way delay: 65.494 ms
Loss rate: 23.88%
-- Flow 1:
Average throughput: 66.10 Mbit/s
95th percentile per-packet one-way delay: 65.494 ms
Loss rate: 23.88%
```

Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 86.84 Mbit/s)   Flow 1 egress (mean 66.10 Mbit/s)

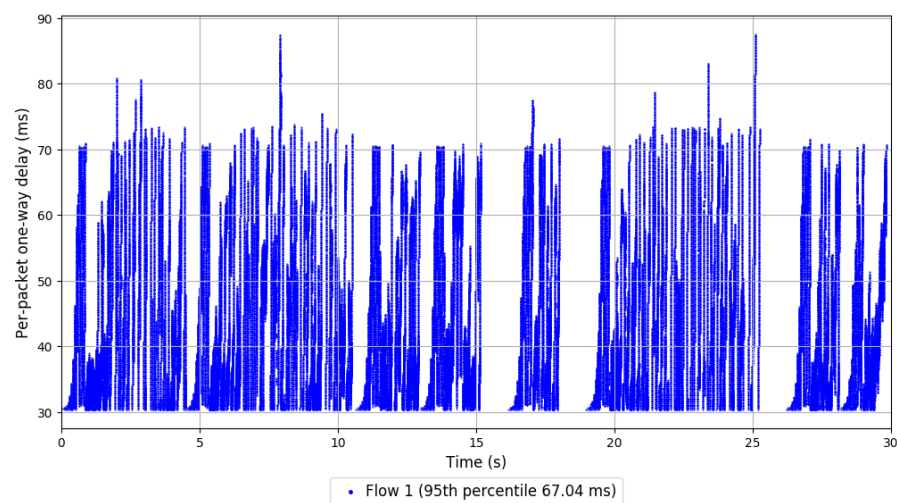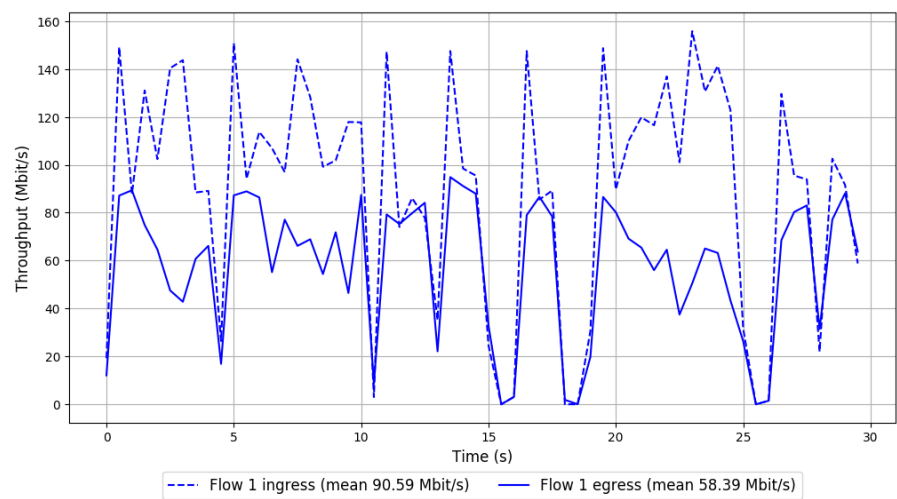• Flow 1 (95th percentile 65.49 ms)

```
Run 9: Statistics of Verus

Start at: 2017-12-20 01:23:30
End at: 2017-12-20 01:24:00
Local clock offset: -2.389 ms
Remote clock offset: -0.285 ms


# Below is generated by plot.py at 2017-12-20 02:35:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 67.037 ms
Loss rate: 35.52%
-- Flow 1:
Average throughput: 58.39 Mbit/s
95th percentile per-packet one-way delay: 67.037 ms
Loss rate: 35.52%
```
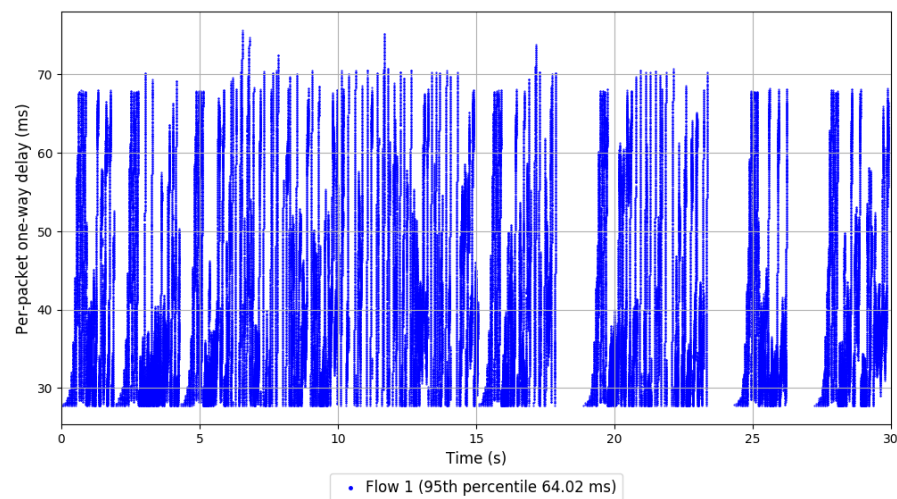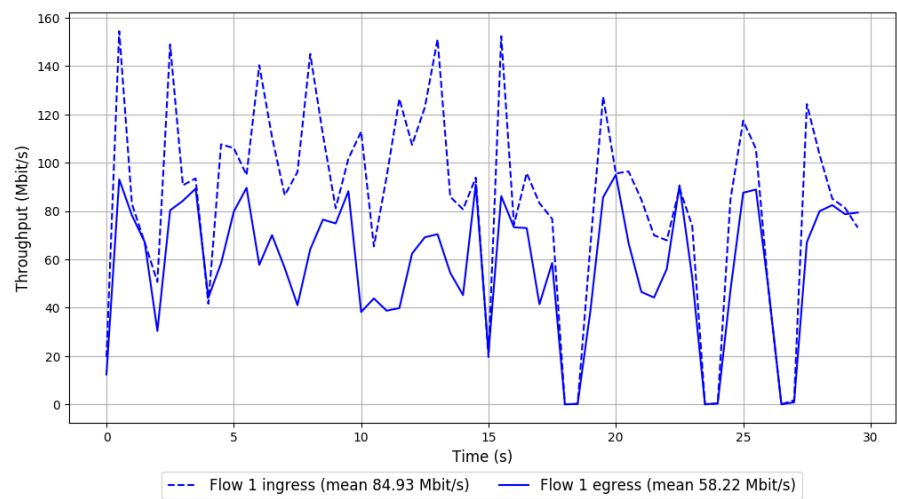
Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2017-12-20 01:44:25
End at: 2017-12-20 01:44:55
Local clock offset: -2.172 ms
Remote clock offset: -1.752 ms


# Below is generated by plot.py at 2017-12-20 02:35:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 64.020 ms
Loss rate: 31.38%
-- Flow 1:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 64.020 ms
Loss rate: 31.38%
```

Run 10: Report of Verus — Data Link

Flow 1 ingress (mean 84.93 Mbit/s)   Flow 1 egress (mean 58.22 Mbit/s)

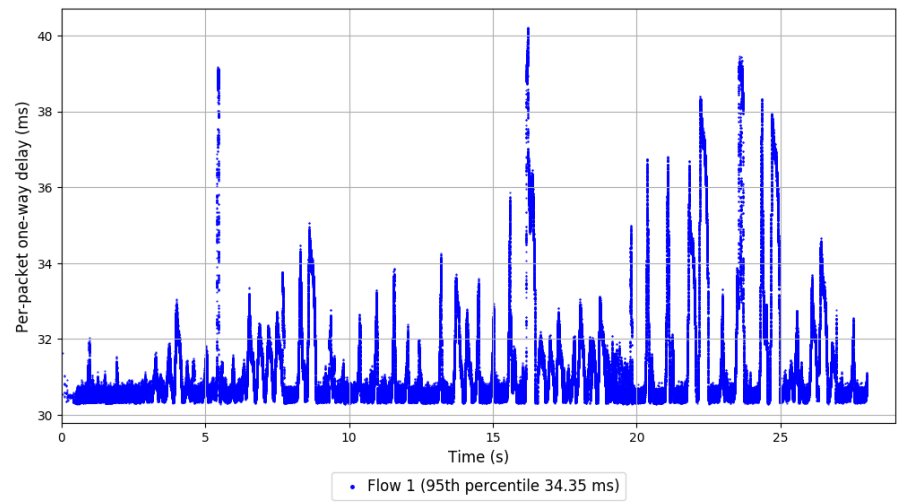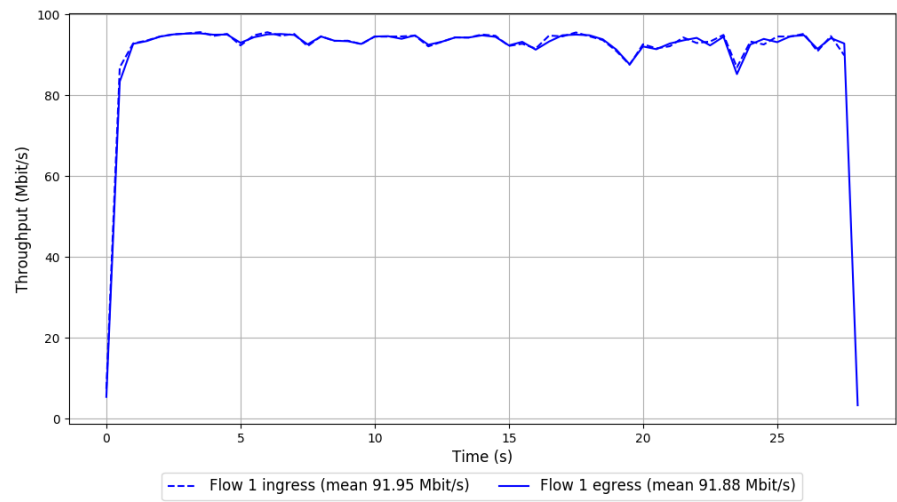• Flow 1 (95th percentile 64.02 ms)

```
Run 1: Statistics of Copa

Start at: 2017-12-19 22:52:52
End at: 2017-12-19 22:53:22
Local clock offset: -1.33 ms
Remote clock offset: -2.889 ms


# Below is generated by plot.py at 2017-12-20 02:36:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 34.346 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 34.346 ms
Loss rate: 0.08%
```

Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 91.95 Mbit/s)   Flow 1 egress (mean 91.88 Mbit/s)

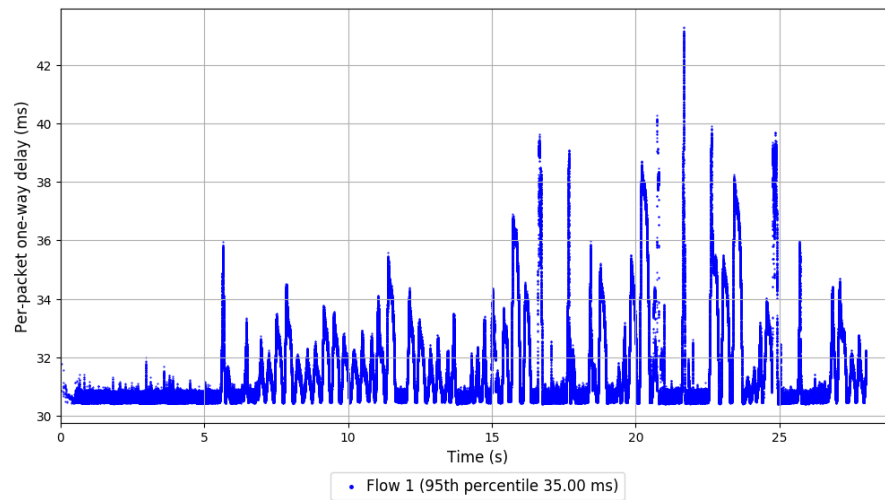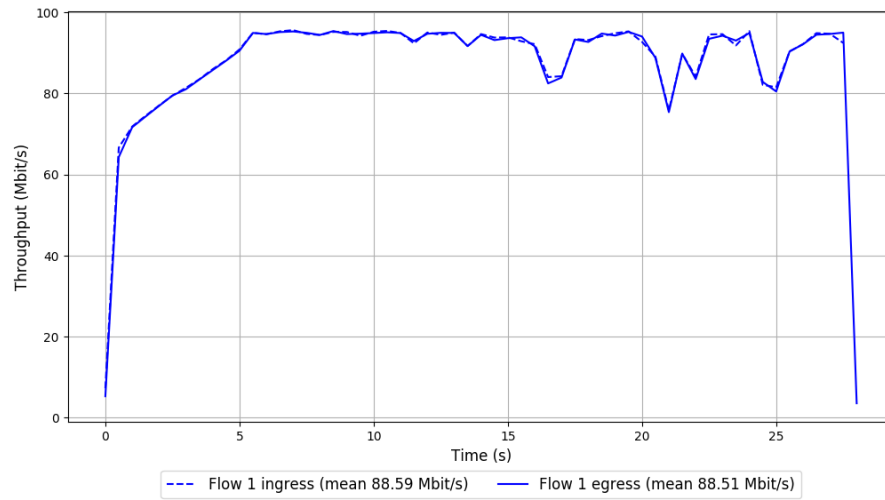• Flow 1 (95th percentile 34.35 ms)

```
Run 2: Statistics of Copa

Start at: 2017-12-19 23:13:00
End at: 2017-12-19 23:13:30
Local clock offset: -1.25 ms
Remote clock offset: -2.198 ms

# Below is generated by plot.py at 2017-12-20 02:36:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 34.997 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 34.997 ms
Loss rate: 0.09%
```

Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2017-12-19 23:33:26
End at: 2017-12-19 23:33:56
Local clock offset: -1.275 ms
Remote clock offset: -4.1 ms


# Below is generated by plot.py at 2017-12-20 02:36:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 31.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 31.192 ms
Loss rate: 0.00%
```
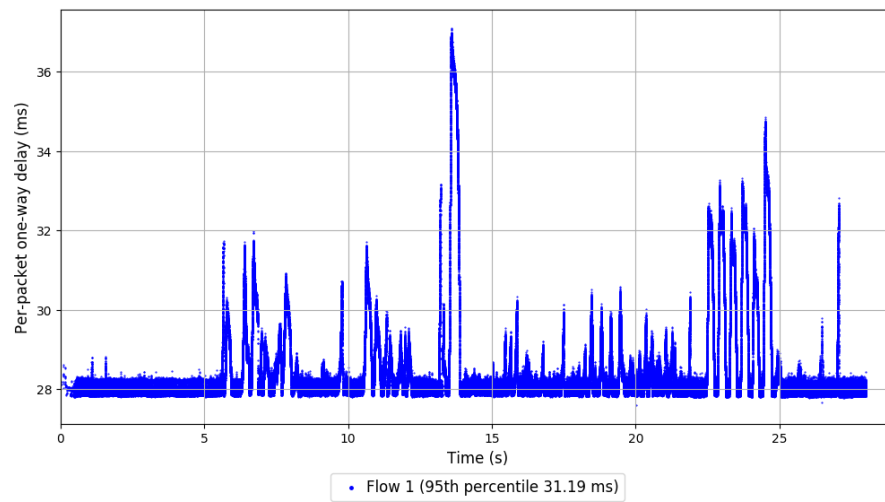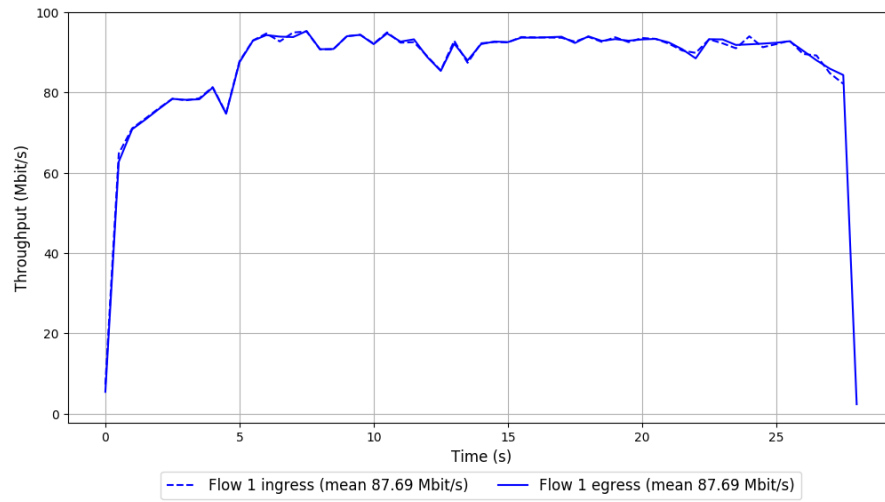
Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 87.69 Mbit/s)   Flow 1 egress (mean 87.69 Mbit/s)

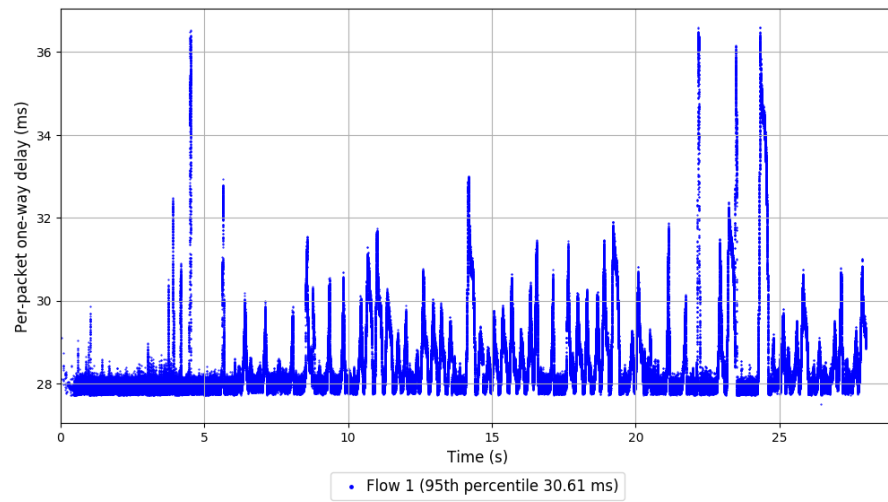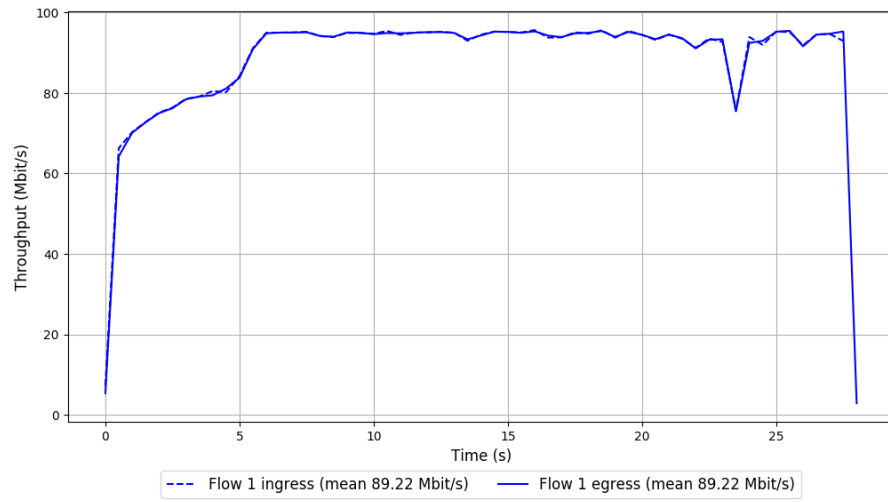• Flow 1 (95th percentile 31.19 ms)

```
Run 4: Statistics of Copa

Start at: 2017-12-19 23:53:23
End at: 2017-12-19 23:53:53
Local clock offset: -1.514 ms
Remote clock offset: -3.311 ms


# Below is generated by plot.py at 2017-12-20 02:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.22 Mbit/s
95th percentile per-packet one-way delay: 30.615 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.22 Mbit/s
95th percentile per-packet one-way delay: 30.615 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 89.22 Mbit/s) --- Flow 1 egress (mean 89.22 Mbit/s)

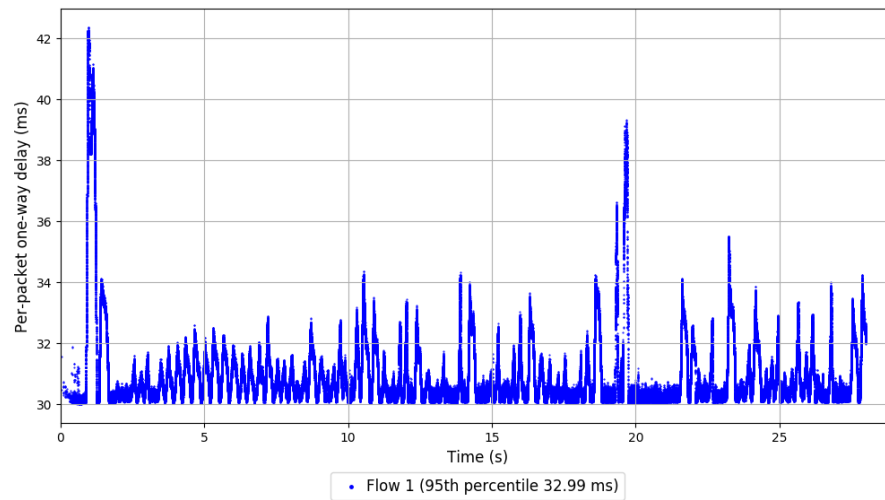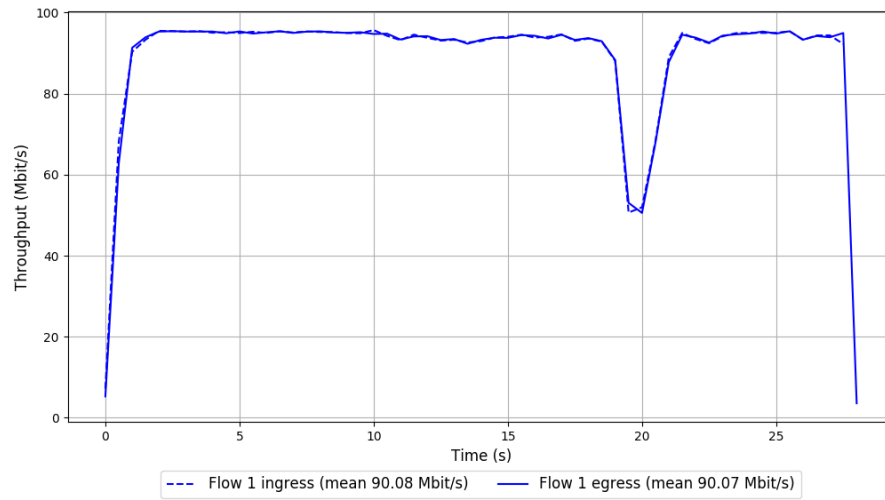• Flow 1 (95th percentile 30.61 ms)

```
Run 5: Statistics of Copa

Start at: 2017-12-20 00:13:22
End at: 2017-12-20 00:13:53
Local clock offset: -1.893 ms
Remote clock offset: -1.434 ms

# Below is generated by plot.py at 2017-12-20 02:37:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 32.989 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.07 Mbit/s
95th percentile per-packet one-way delay: 32.989 ms
Loss rate: 0.01%
```

Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 90.08 Mbit/s) — — — Flow 1 egress (mean 90.07 Mbit/s)

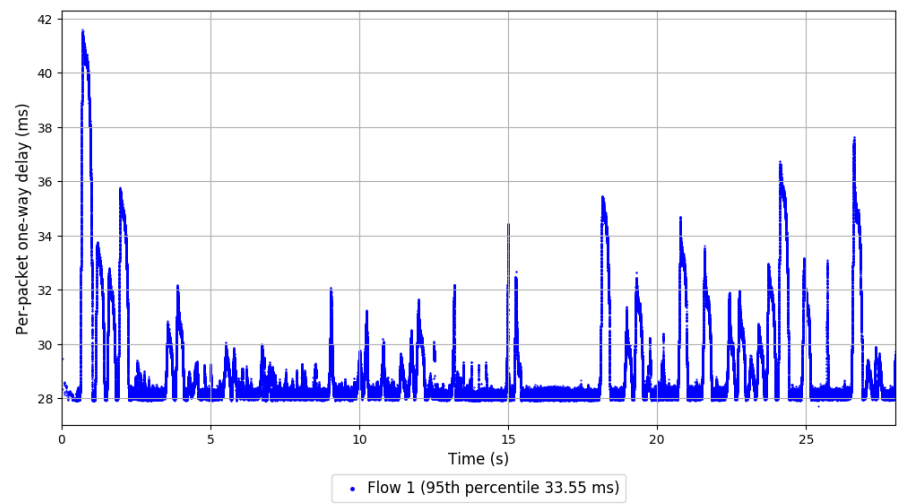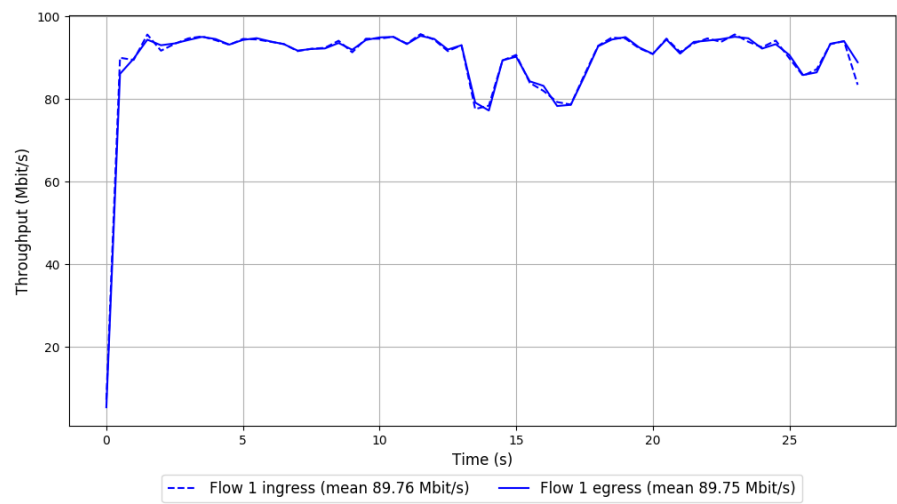Flow 1 (95th percentile 32.99 ms)

```
Run 6: Statistics of Copa

Start at: 2017-12-20 00:33:56
End at: 2017-12-20 00:34:27
Local clock offset: -2.179 ms
Remote clock offset: -4.367 ms


# Below is generated by plot.py at 2017-12-20 02:37:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: 33.554 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.75 Mbit/s
95th percentile per-packet one-way delay: 33.554 ms
Loss rate: 0.01%
```

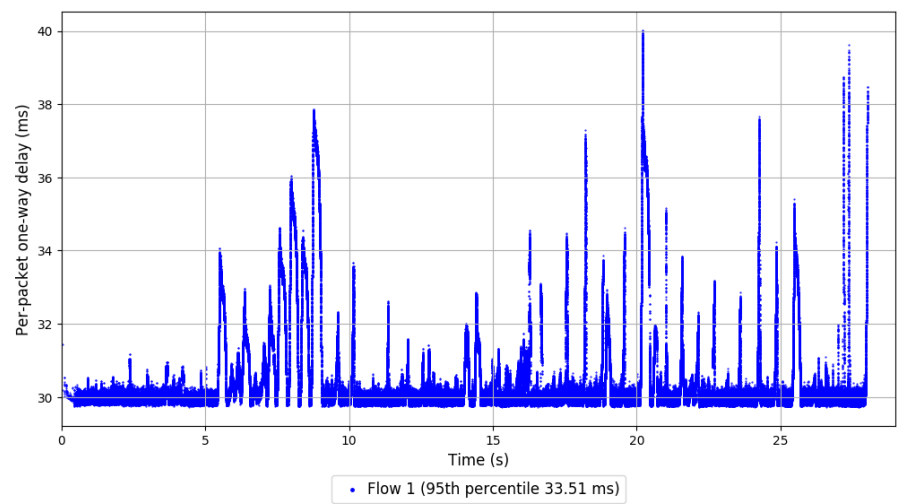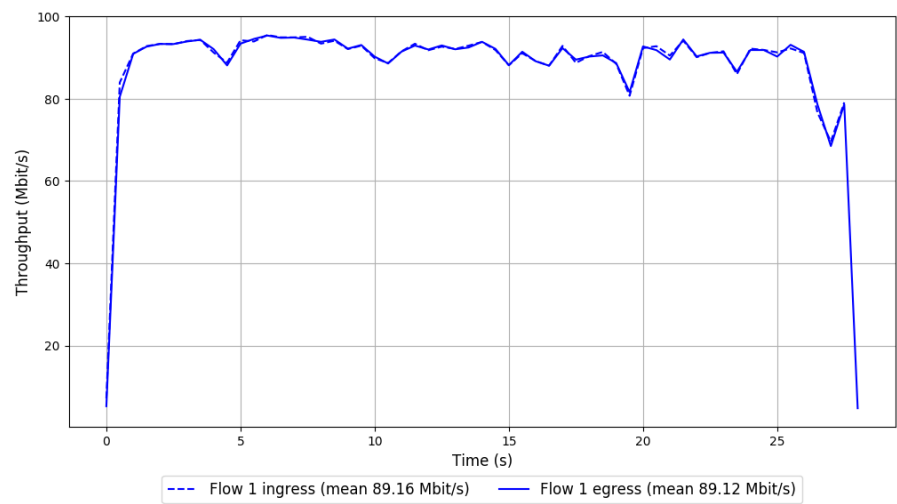Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2017-12-20 00:54:46
End at: 2017-12-20 00:55:16
Local clock offset: -2.458 ms
Remote clock offset: -2.184 ms


# Below is generated by plot.py at 2017-12-20 02:37:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 33.513 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 33.513 ms
Loss rate: 0.02%
```

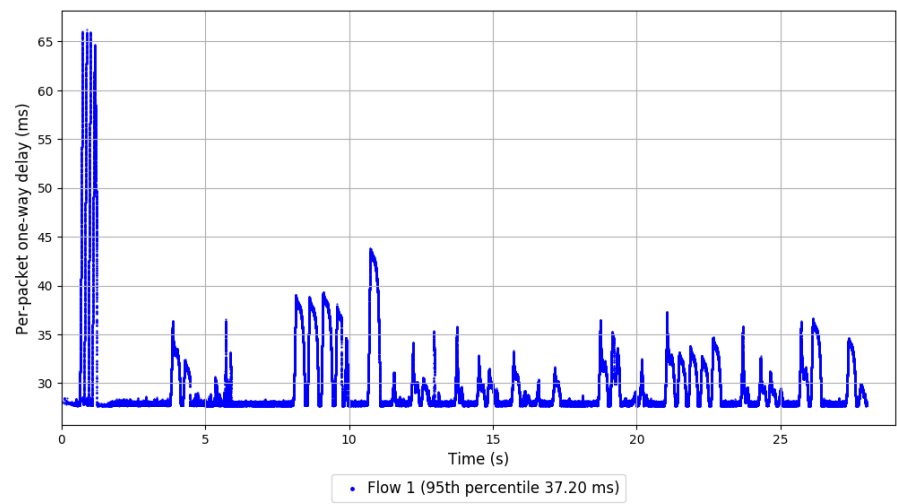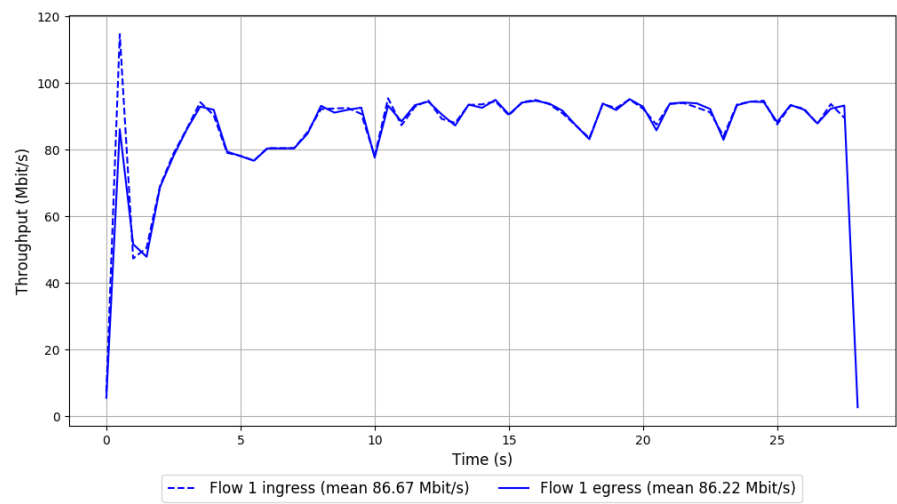## Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2017-12-20 01:15:09
End at: 2017-12-20 01:15:39
Local clock offset: -2.299 ms
Remote clock offset: -3.395 ms


# Below is generated by plot.py at 2017-12-20 02:37:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 37.202 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 86.22 Mbit/s
95th percentile per-packet one-way delay: 37.202 ms
Loss rate: 0.52%
```

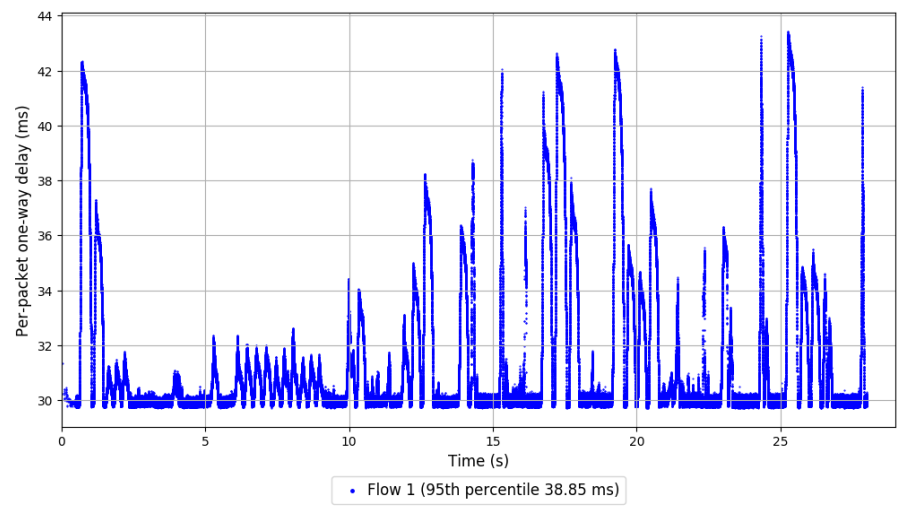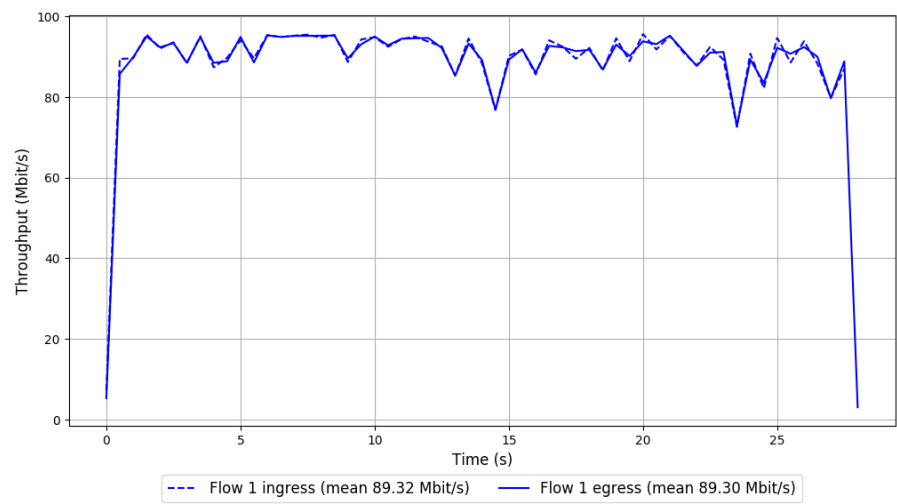## Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2017-12-20 01:35:50
End at: 2017-12-20 01:36:20
Local clock offset: -2.226 ms
Remote clock offset: -0.159 ms


# Below is generated by plot.py at 2017-12-20 02:38:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 38.847 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 38.847 ms
Loss rate: 0.02%
```

Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 89.32 Mbit/s) --- Flow 1 egress (mean 89.30 Mbit/s)

Flow 1 (95th percentile 38.85 ms)

```
Run 10: Statistics of Copa

Start at: 2017-12-20 01:56:51
End at: 2017-12-20 01:57:21
Local clock offset: -2.162 ms
Remote clock offset: 0.664 ms


# Below is generated by plot.py at 2017-12-20 02:38:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 35.673 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.39 Mbit/s
95th percentile per-packet one-way delay: 35.673 ms
Loss rate: 0.02%
```
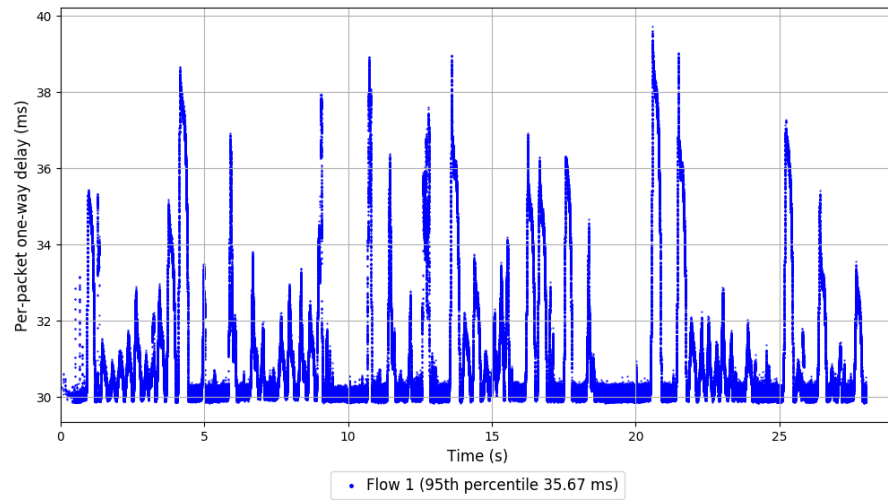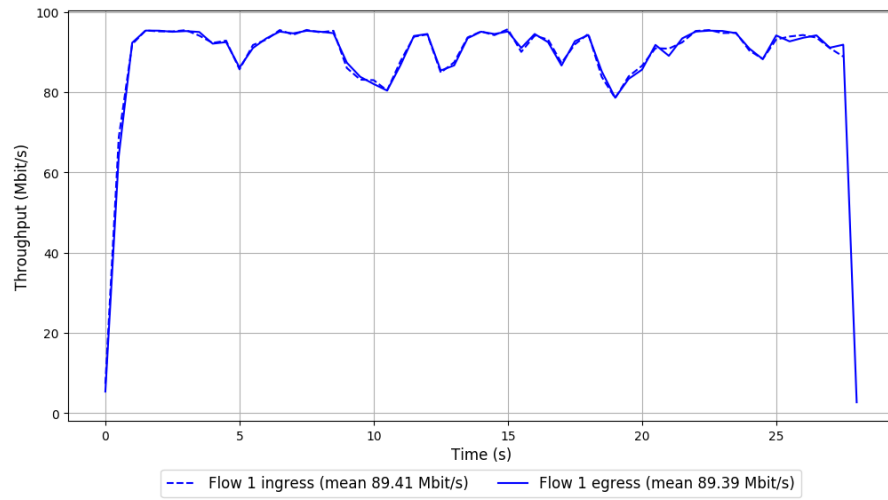
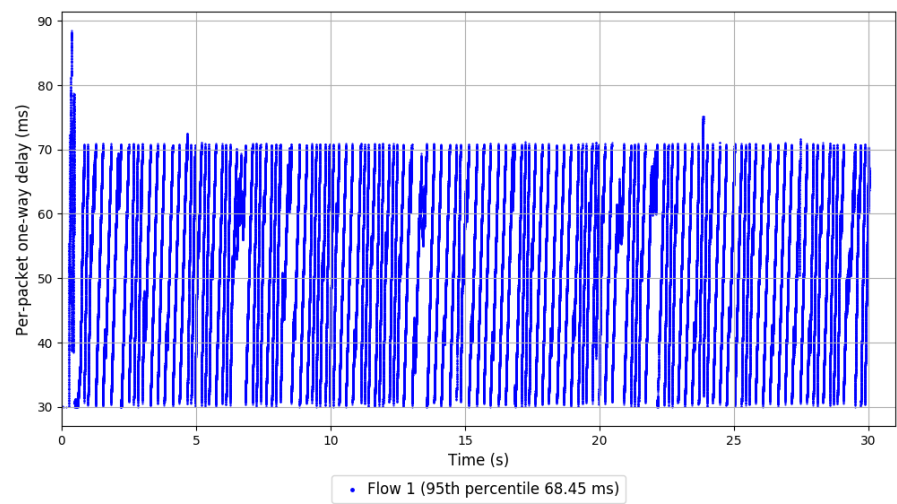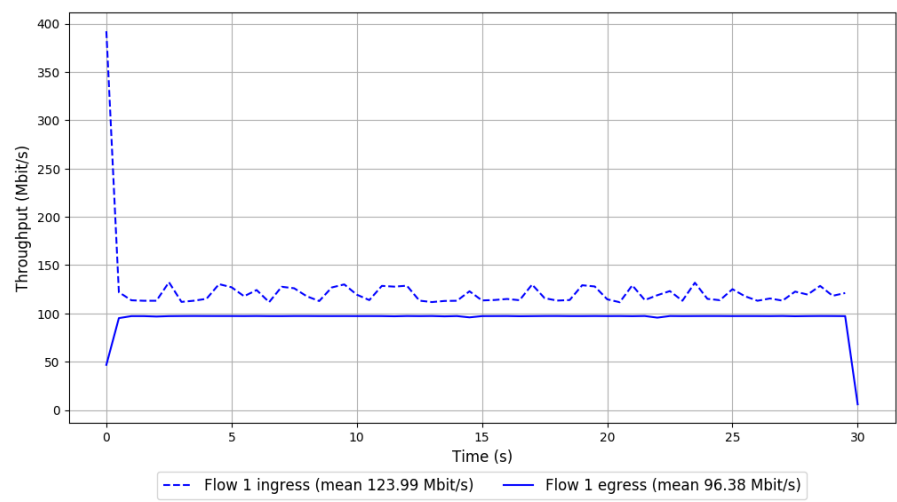Run 10: Report of Copa — Data Link

```
Run 1: Statistics of FillP

Start at: 2017-12-19 22:51:32
End at: 2017-12-19 22:52:02
Local clock offset: -1.414 ms
Remote clock offset: -3.341 ms


# Below is generated by plot.py at 2017-12-20 02:38:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 68.452 ms
Loss rate: 22.20%
-- Flow 1:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 68.452 ms
Loss rate: 22.20%
```

Run 1: Report of FillP — Data Link

Flow 1 ingress (mean 123.99 Mbit/s) ----- Flow 1 egress (mean 96.38 Mbit/s) ——

Flow 1 (95th percentile 68.45 ms)

```
Run 2: Statistics of FillP

Start at: 2017-12-19 23:11:38
End at: 2017-12-19 23:12:08
Local clock offset: -1.161 ms
Remote clock offset: -4.74 ms


# Below is generated by plot.py at 2017-12-20 02:38:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 66.509 ms
Loss rate: 23.21%
-- Flow 1:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 66.509 ms
Loss rate: 23.21%
```
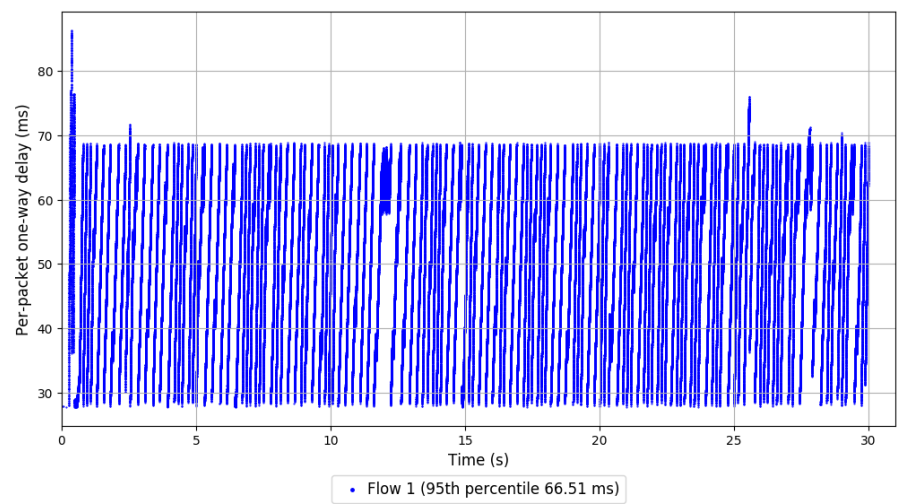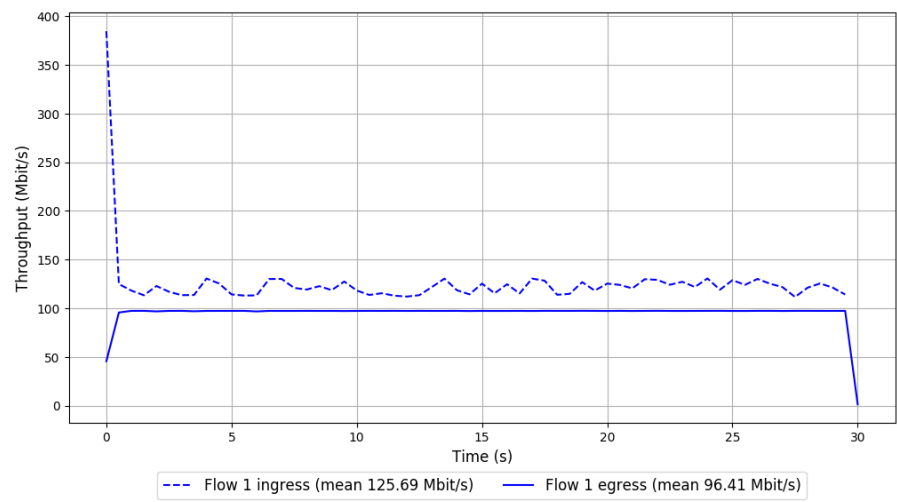
Run 2: Report of FillP — Data Link

Flow 1 ingress (mean 125.69 Mbit/s) — — — Flow 1 egress (mean 96.41 Mbit/s)
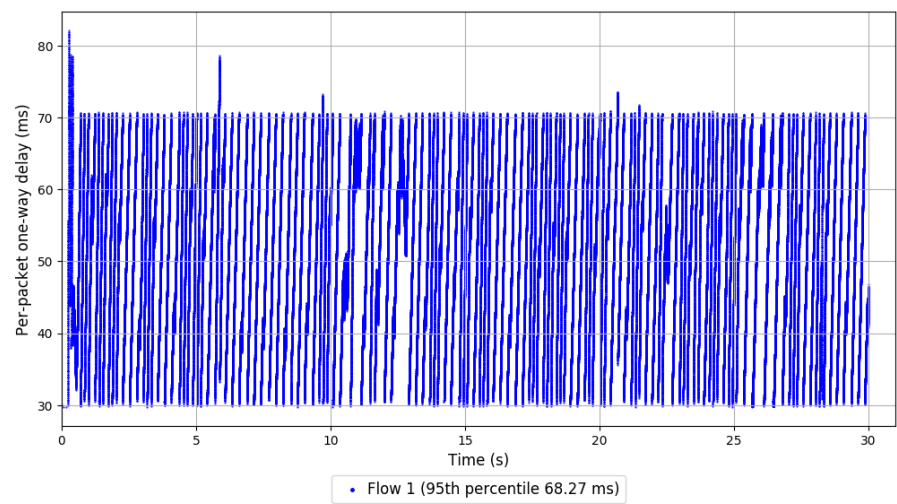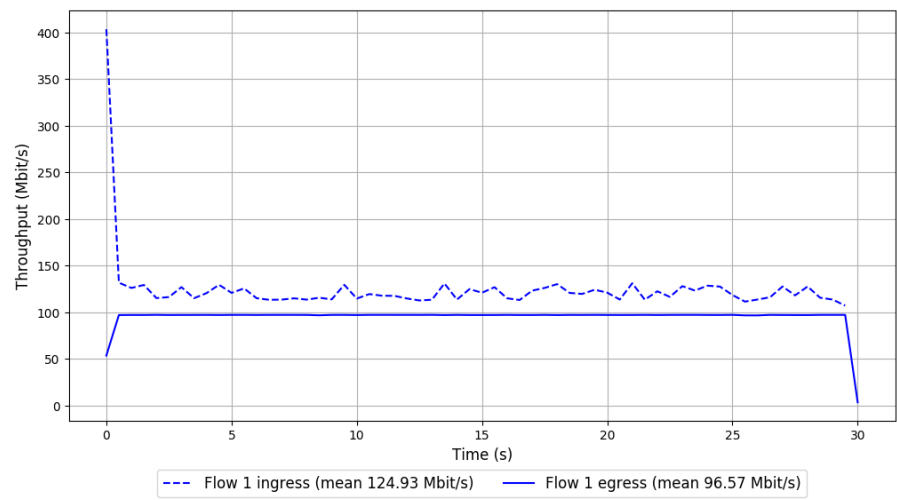

• Flow 1 (95th percentile 66.51 ms)

```
Run 3: Statistics of FillP

Start at: 2017-12-19 23:32:04
End at: 2017-12-19 23:32:34
Local clock offset: -1.222 ms
Remote clock offset: -2.159 ms


# Below is generated by plot.py at 2017-12-20 02:38:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 68.267 ms
Loss rate: 22.66%
-- Flow 1:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 68.267 ms
Loss rate: 22.66%
```

Run 3: Report of FillP — Data Link

Flow 1 ingress (mean 124.93 Mbit/s)   Flow 1 egress (mean 96.57 Mbit/s)
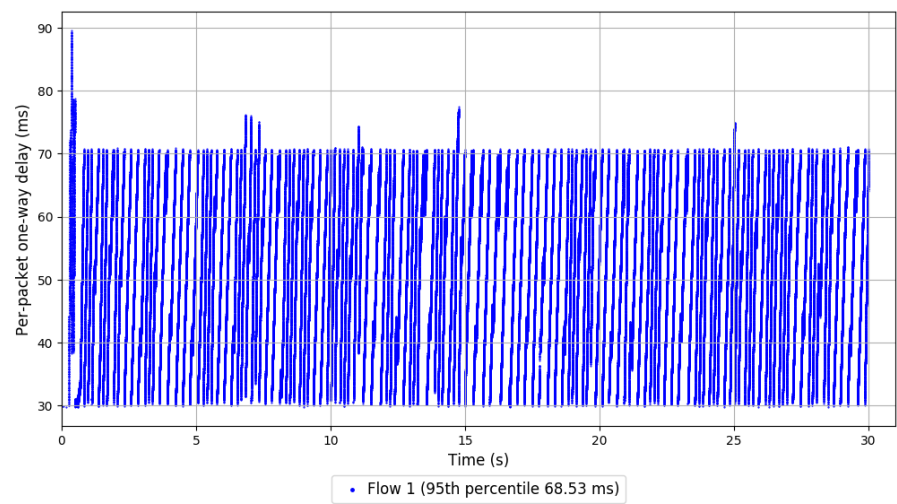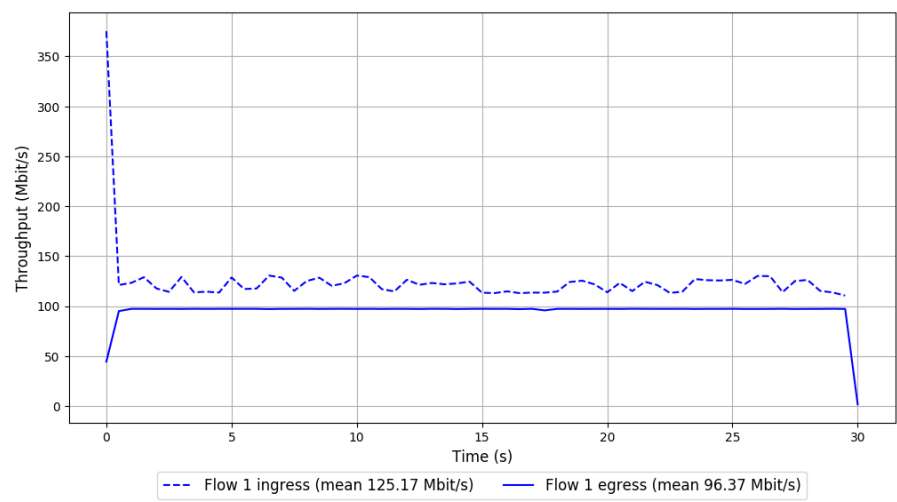

Flow 1 (95th percentile 68.27 ms)

```
Run 4: Statistics of FillP

Start at: 2017-12-19 23:52:03
End at: 2017-12-19 23:52:33
Local clock offset: -1.486 ms
Remote clock offset: -1.225 ms


# Below is generated by plot.py at 2017-12-20 02:38:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 68.532 ms
Loss rate: 22.96%
-- Flow 1:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 68.532 ms
Loss rate: 22.96%
```
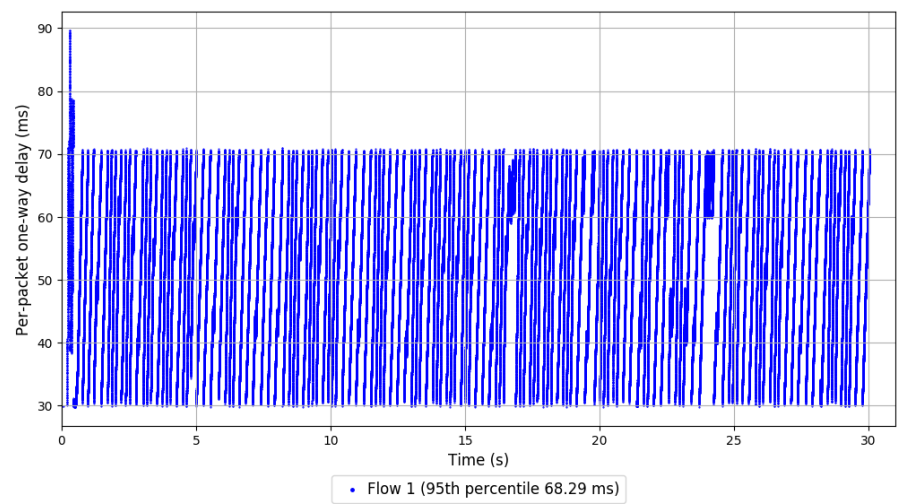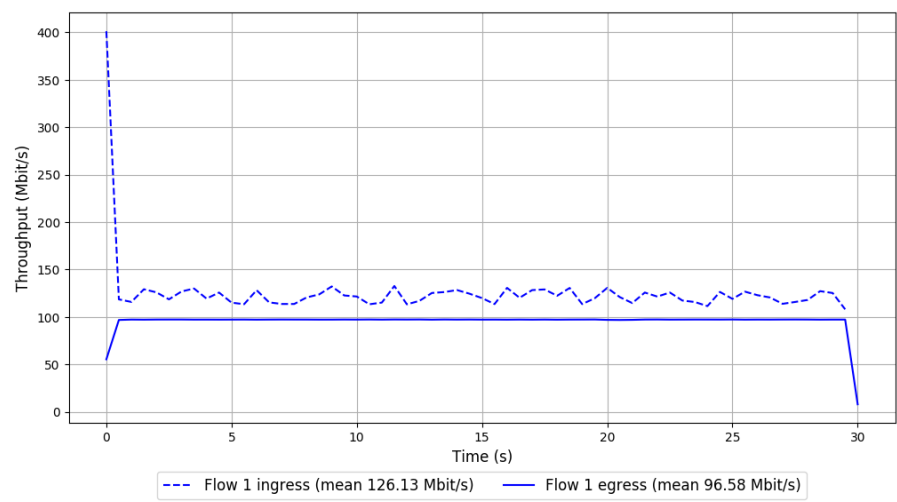
Run 4: Report of FillP — Data Link

```
Run 5: Statistics of FillP

Start at: 2017-12-20 00:12:02
End at: 2017-12-20 00:12:32
Local clock offset: -1.787 ms
Remote clock offset: -1.519 ms


# Below is generated by plot.py at 2017-12-20 02:39:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 68.288 ms
Loss rate: 23.32%
-- Flow 1:
Average throughput: 96.58 Mbit/s
95th percentile per-packet one-way delay: 68.288 ms
Loss rate: 23.32%
```

Run 5: Report of FillP — Data Link

Flow 1 ingress (mean 126.13 Mbit/s) --- Flow 1 egress (mean 96.58 Mbit/s)
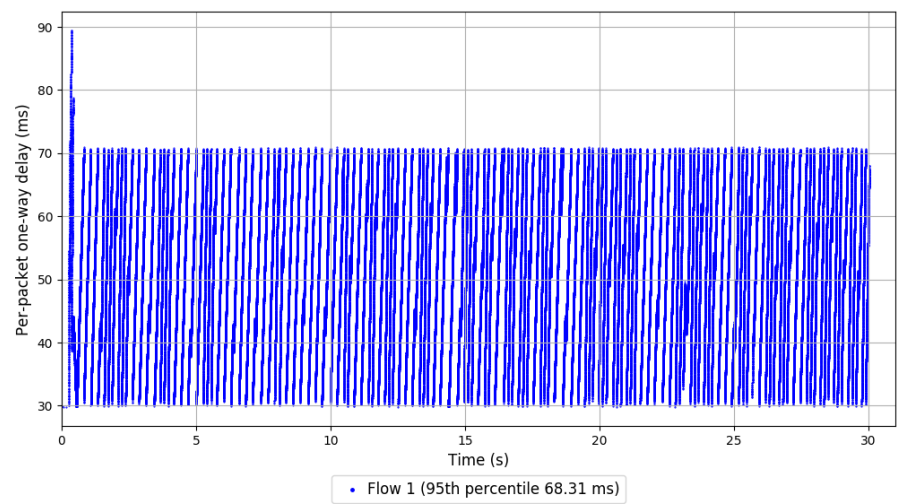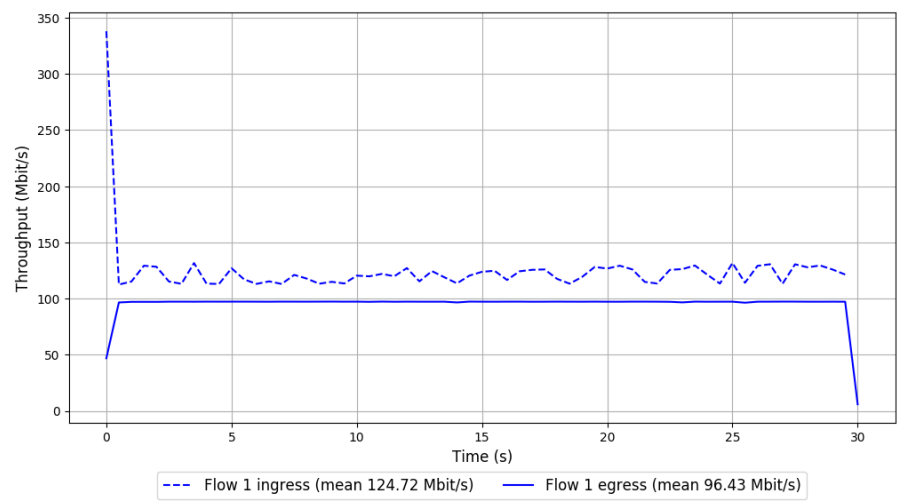

Flow 1 (95th percentile 68.29 ms)

```
Run 6: Statistics of FillP

Start at: 2017-12-20 00:32:35
End at: 2017-12-20 00:33:05
Local clock offset: -2.184 ms
Remote clock offset: -2.394 ms


# Below is generated by plot.py at 2017-12-20 02:39:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 68.309 ms
Loss rate: 22.61%
-- Flow 1:
Average throughput: 96.43 Mbit/s
95th percentile per-packet one-way delay: 68.309 ms
Loss rate: 22.61%
```

Run 6: Report of FillP — Data Link

Flow 1 ingress (mean 124.72 Mbit/s)   Flow 1 egress (mean 96.43 Mbit/s)
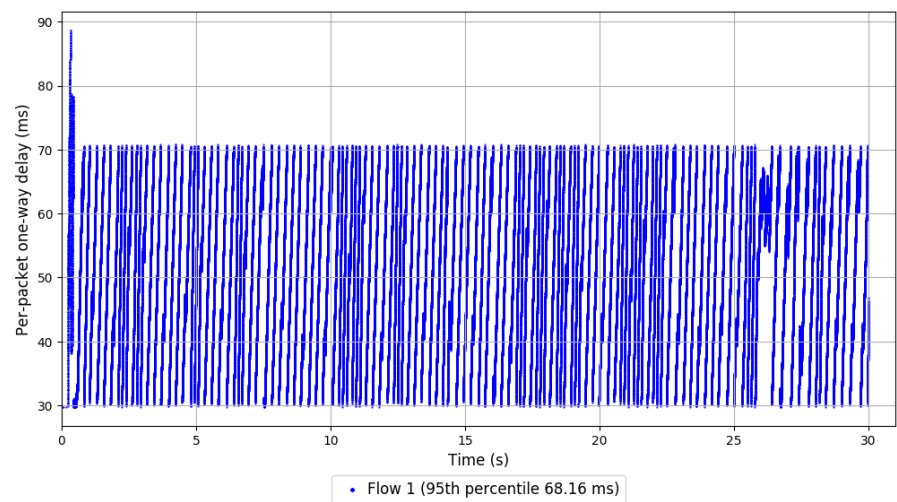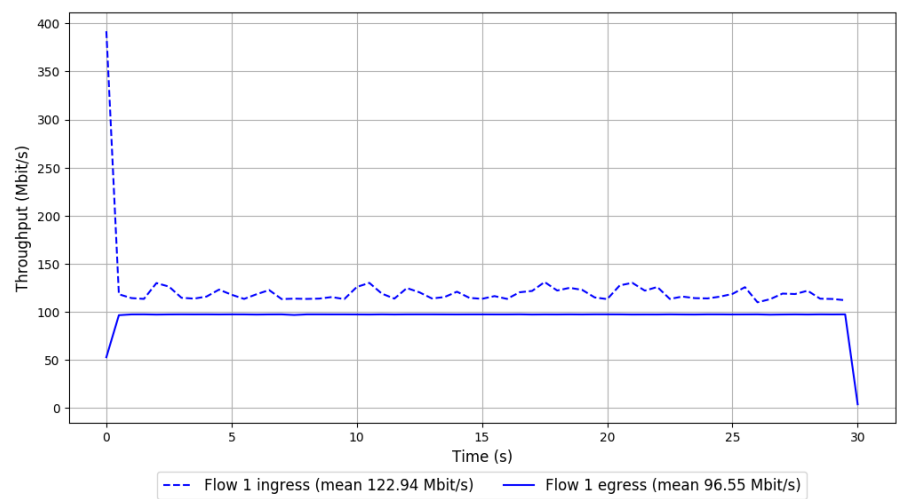

• Flow 1 (95th percentile 68.31 ms)

```
Run 7: Statistics of FillP

Start at: 2017-12-20 00:53:23
End at: 2017-12-20 00:53:53
Local clock offset: -2.42 ms
Remote clock offset: -2.211 ms


# Below is generated by plot.py at 2017-12-20 02:40:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 68.157 ms
Loss rate: 21.42%
-- Flow 1:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 68.157 ms
Loss rate: 21.42%
```

Run 7: Report of FillP — Data Link

Flow 1 ingress (mean 122.94 Mbit/s)   Flow 1 egress (mean 96.55 Mbit/s)

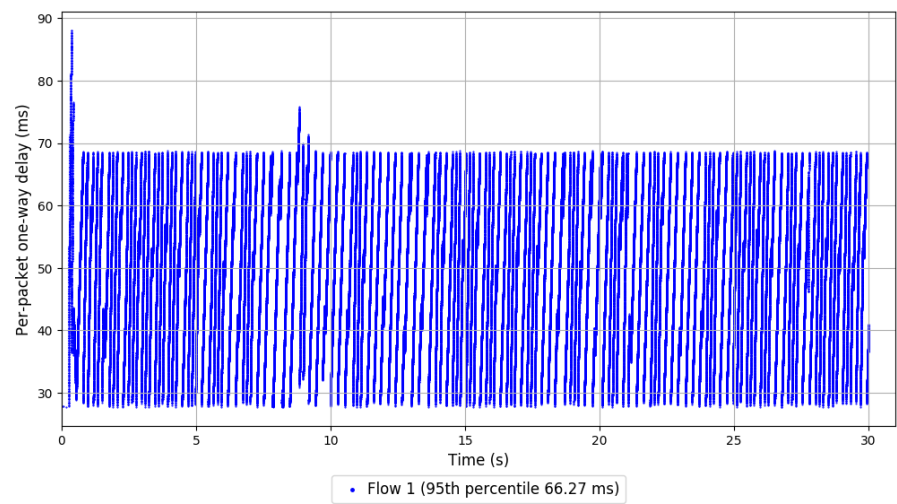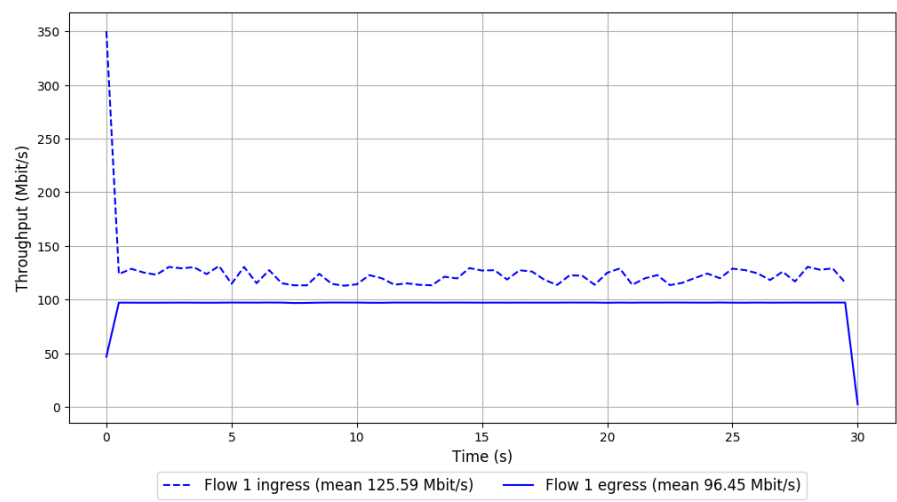• Flow 1 (95th percentile 68.16 ms)

257

```
Run 8: Statistics of FillP

Start at: 2017-12-20 01:13:45
End at: 2017-12-20 01:14:15
Local clock offset: -2.284 ms
Remote clock offset: -3.437 ms

# Below is generated by plot.py at 2017-12-20 02:40:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 66.274 ms
Loss rate: 23.17%
-- Flow 1:
Average throughput: 96.45 Mbit/s
95th percentile per-packet one-way delay: 66.274 ms
Loss rate: 23.17%
```

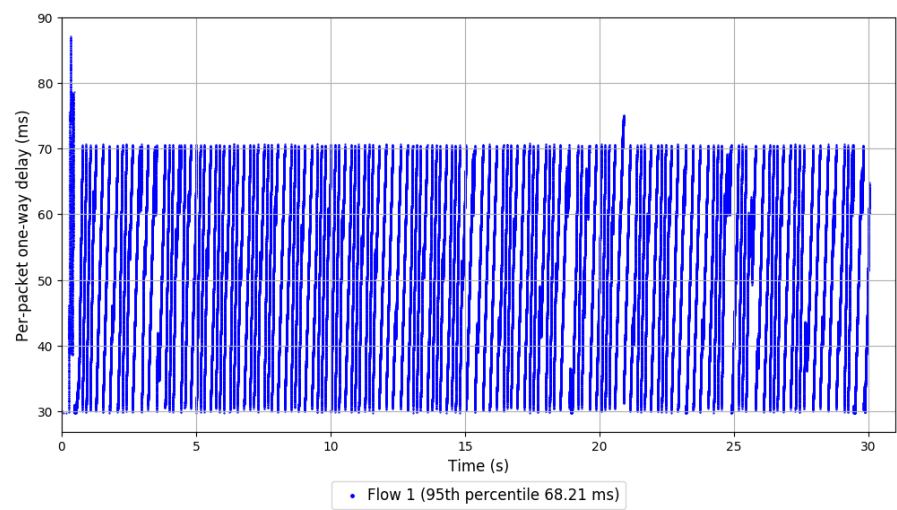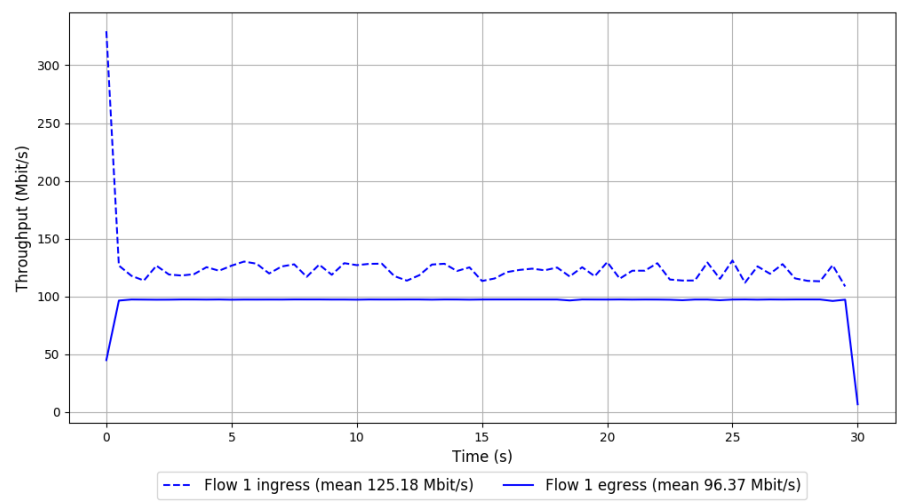Run 8: Report of FillP — Data Link

```
Run 9: Statistics of FillP

Start at: 2017-12-20 01:34:27
End at: 2017-12-20 01:34:57
Local clock offset: -2.215 ms
Remote clock offset: -0.209 ms


# Below is generated by plot.py at 2017-12-20 02:40:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 68.206 ms
Loss rate: 22.93%
-- Flow 1:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 68.206 ms
Loss rate: 22.93%
```

Run 9: Report of FillP — Data Link

Flow 1 ingress (mean 125.18 Mbit/s) --- Flow 1 egress (mean 96.37 Mbit/s)

• Flow 1 (95th percentile 68.21 ms)

```
Run 10: Statistics of FillP

Start at: 2017-12-20 01:55:23
End at: 2017-12-20 01:55:53
Local clock offset: -2.245 ms
Remote clock offset: 1.03 ms


# Below is generated by plot.py at 2017-12-20 02:40:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 68.786 ms
Loss rate: 23.26%
-- Flow 1:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 68.786 ms
Loss rate: 23.26%
```
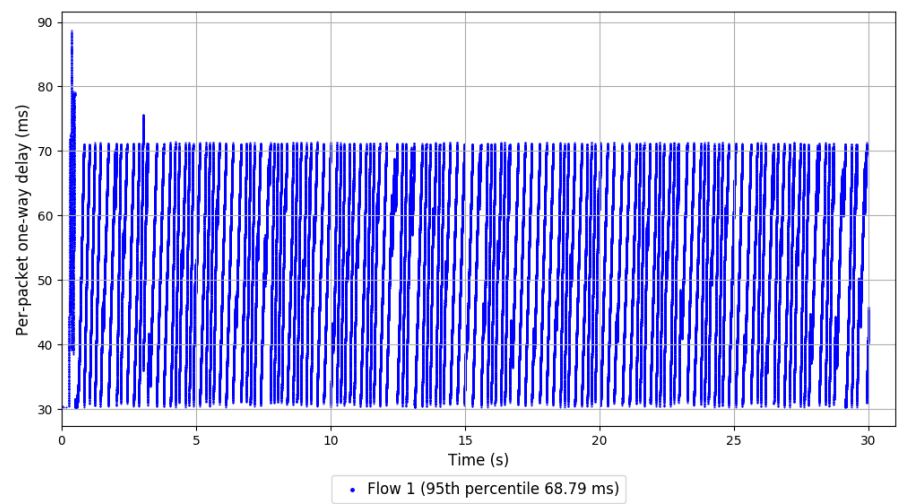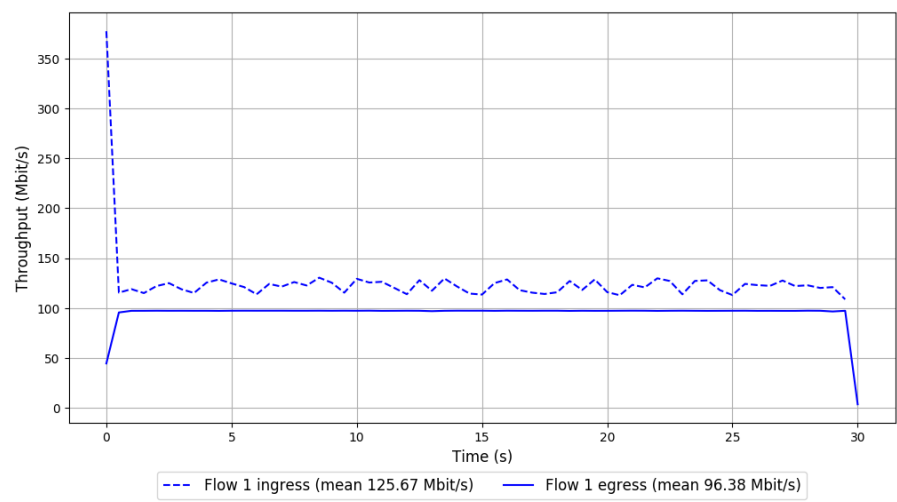
Run 10: Report of FillP — Data Link

Flow 1 ingress (mean 125.67 Mbit/s)   Flow 1 egress (mean 96.38 Mbit/s)

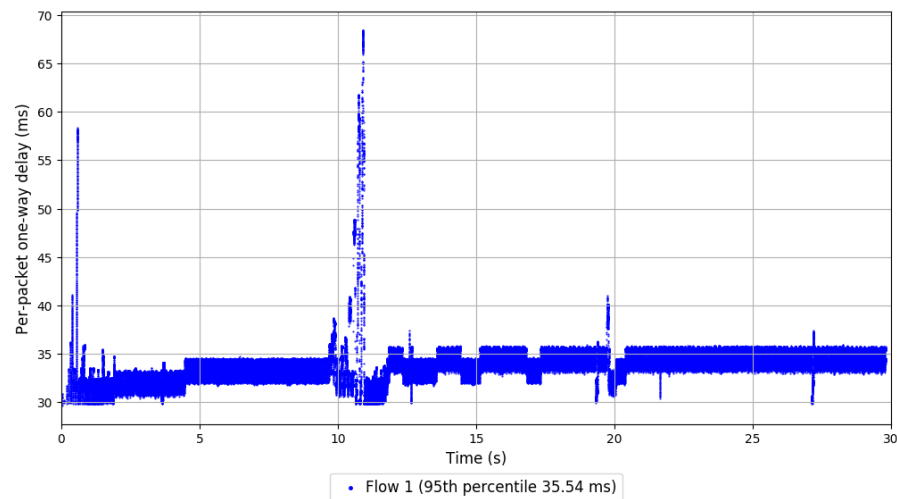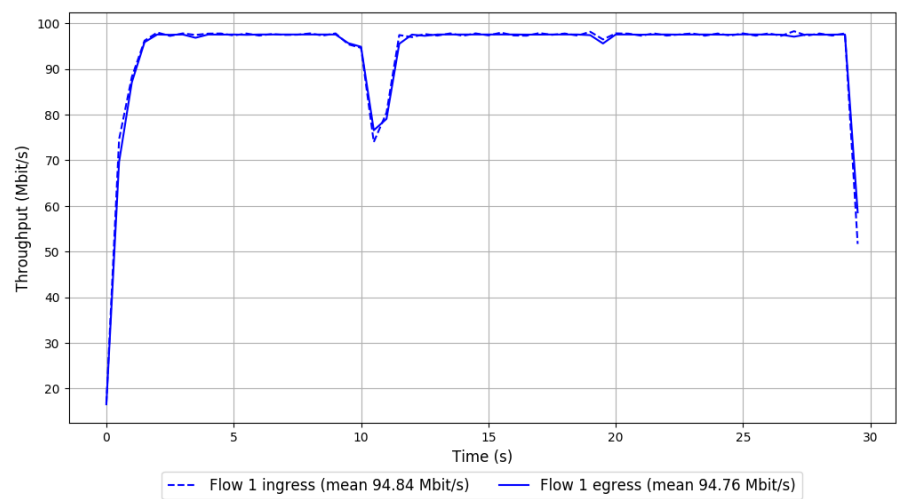Flow 1 (95th percentile 68.79 ms)

```
Run 1: Statistics of Indigo

Start at: 2017-12-19 22:39:46
End at: 2017-12-19 22:40:16
Local clock offset: -1.604 ms
Remote clock offset: -3.653 ms

# Below is generated by plot.py at 2017-12-20 02:40:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 35.541 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 94.76 Mbit/s
95th percentile per-packet one-way delay: 35.541 ms
Loss rate: 0.08%
```

Run 1: Report of Indigo — Data Link

Flow 1 ingress (mean 94.84 Mbit/s) ----- Flow 1 egress (mean 94.76 Mbit/s)

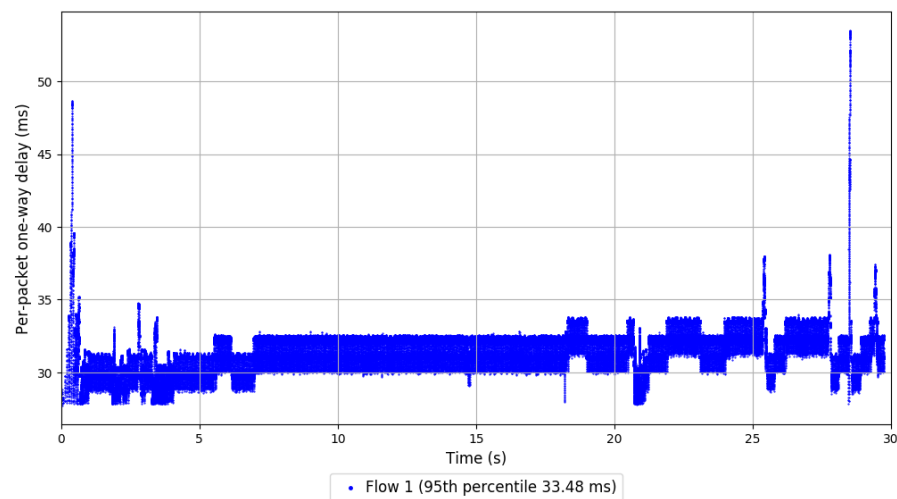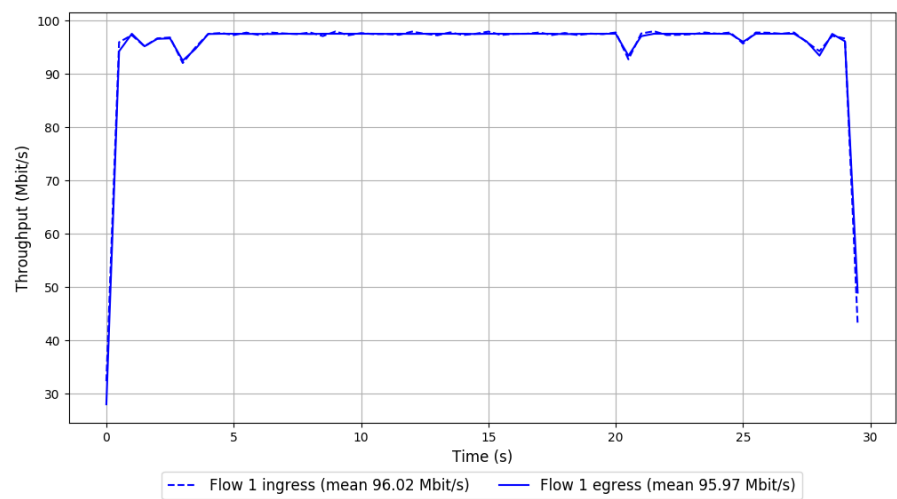· Flow 1 (95th percentile 35.54 ms)

```
Run 2: Statistics of Indigo

Start at: 2017-12-19 22:59:37
End at: 2017-12-19 23:00:07
Local clock offset: -1.345 ms
Remote clock offset: -5.164 ms

# Below is generated by plot.py at 2017-12-20 02:40:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 33.484 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 33.484 ms
Loss rate: 0.03%
```

Run 2: Report of Indigo — Data Link

Run 3: Statistics of Indigo
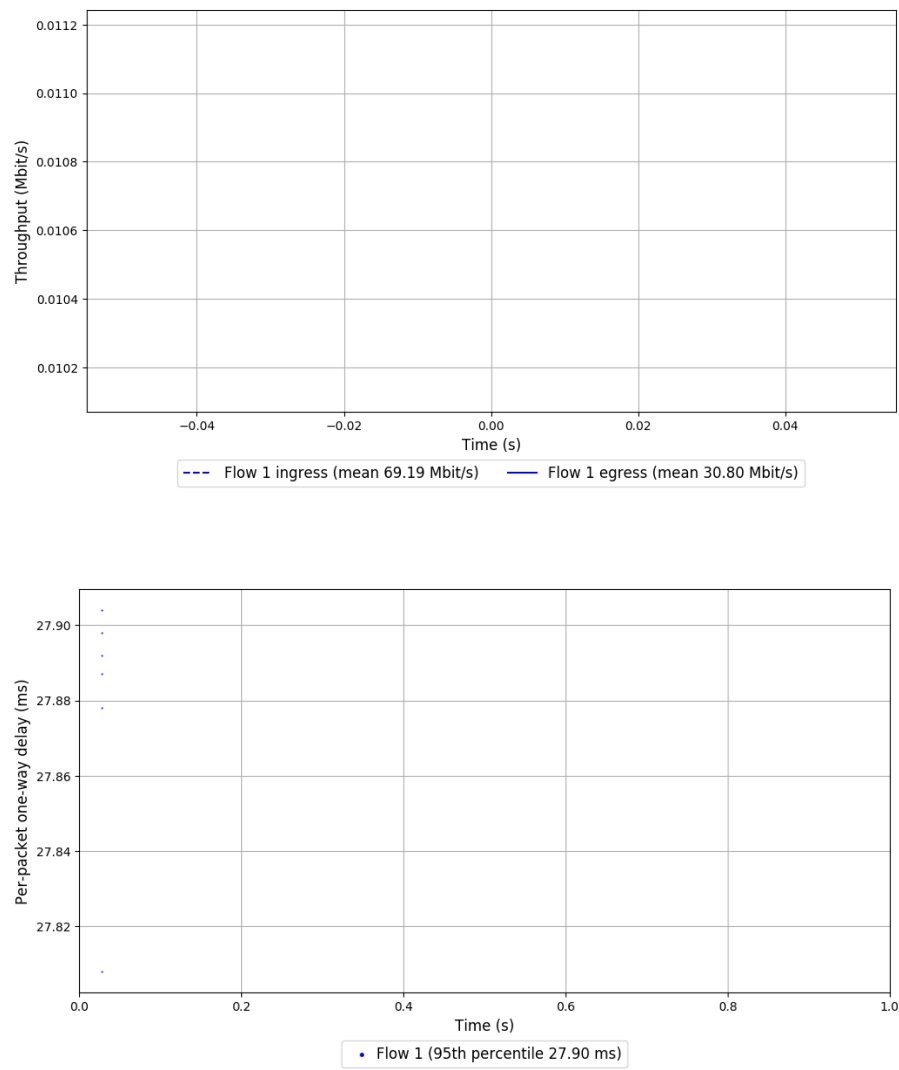
Start at: 2017-12-19 23:19:58
End at: 2017-12-19 23:20:28
Local clock offset: -1.27 ms
Remote clock offset: -4.695 ms

Run 3: Report of Indigo — Data Link

--- Flow 1 ingress (mean 69.19 Mbit/s)   —— Flow 1 egress (mean 30.80 Mbit/s)
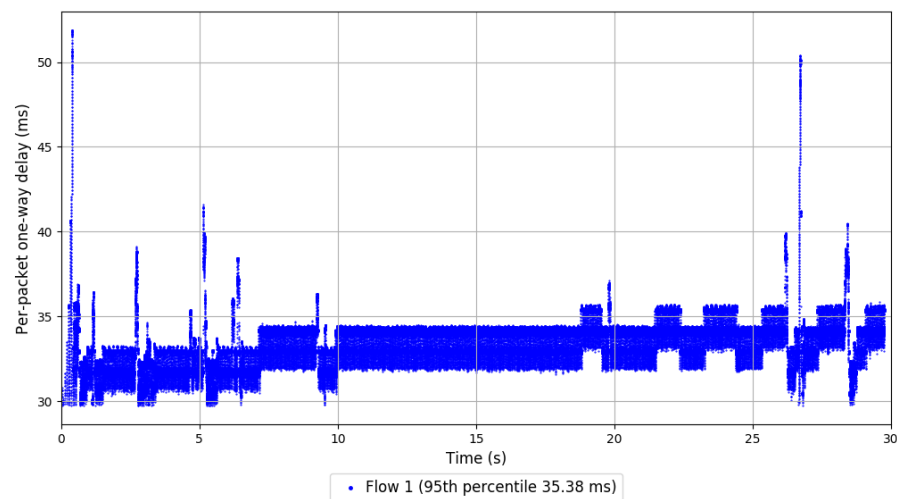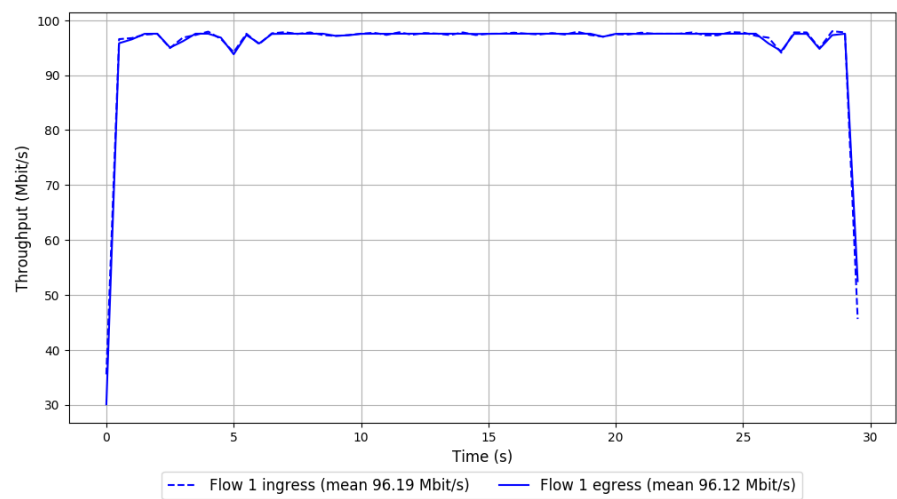

• Flow 1 (95th percentile 27.90 ms)

```
Run 4: Statistics of Indigo

Start at: 2017-12-19 23:40:12
End at: 2017-12-19 23:40:42
Local clock offset: -1.325 ms
Remote clock offset: -1.786 ms


# Below is generated by plot.py at 2017-12-20 02:40:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 35.384 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 35.384 ms
Loss rate: 0.06%
```

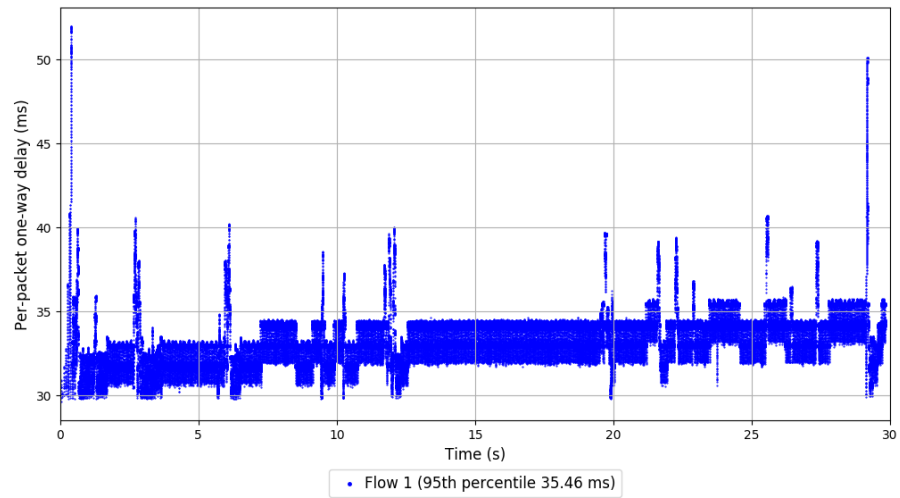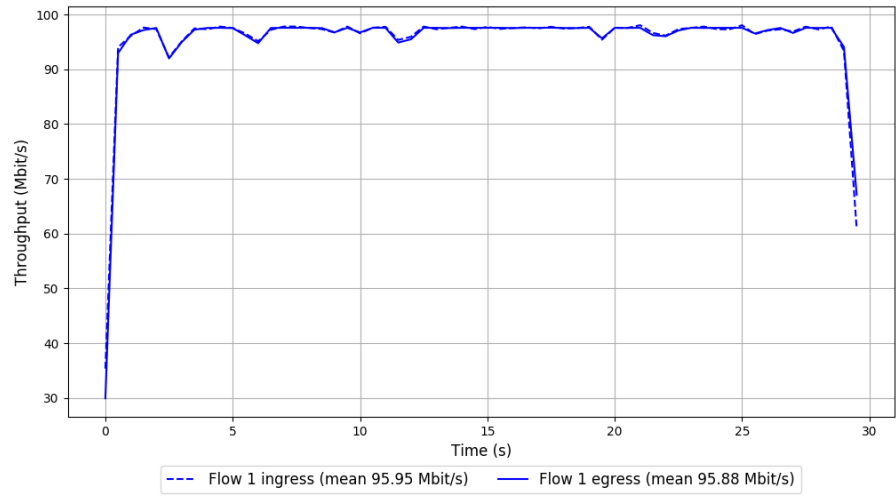Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2017-12-20 00:00:07
End at: 2017-12-20 00:00:37
Local clock offset: -1.678 ms
Remote clock offset: -1.244 ms


# Below is generated by plot.py at 2017-12-20 02:40:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 35.460 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.88 Mbit/s
95th percentile per-packet one-way delay: 35.460 ms
Loss rate: 0.06%
```
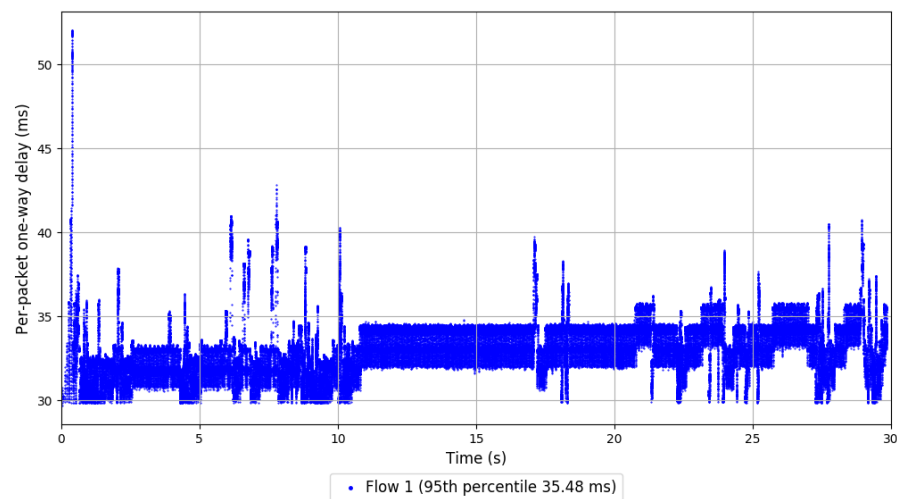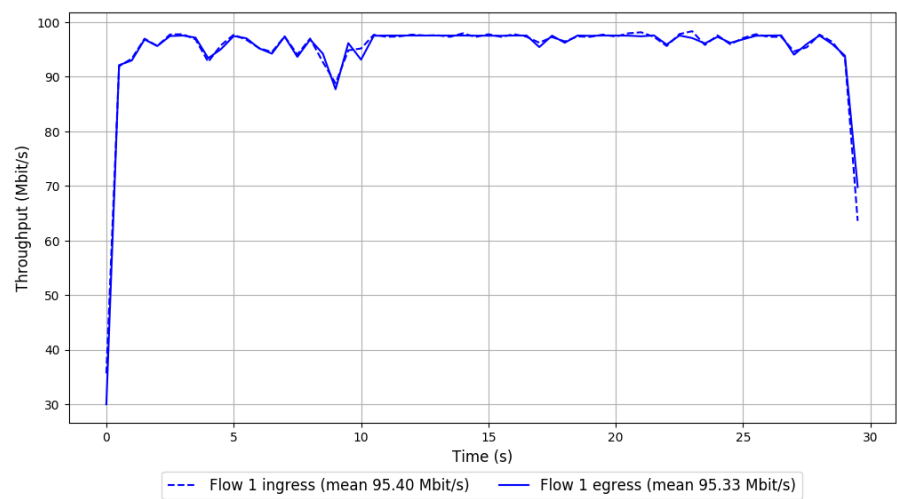
Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2017-12-20 00:20:13
End at: 2017-12-20 00:20:43
Local clock offset: -1.991 ms
Remote clock offset: -1.911 ms


# Below is generated by plot.py at 2017-12-20 02:40:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 35.485 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 35.485 ms
Loss rate: 0.07%
```
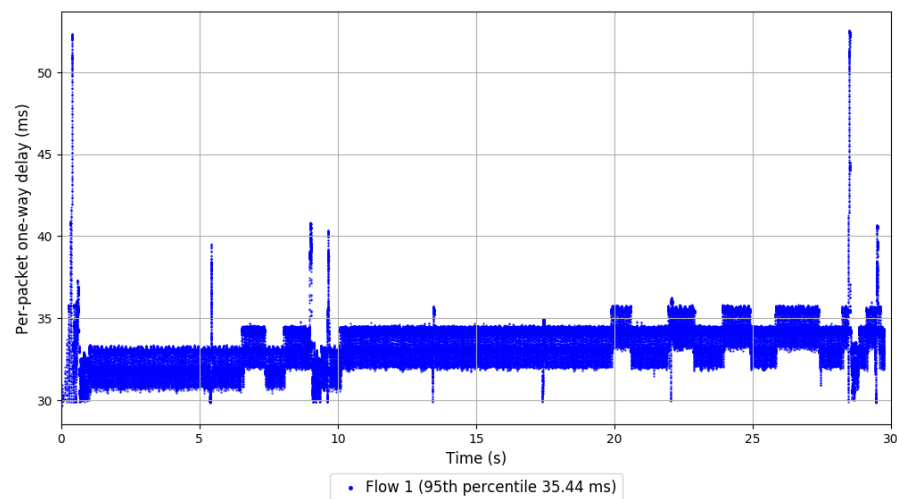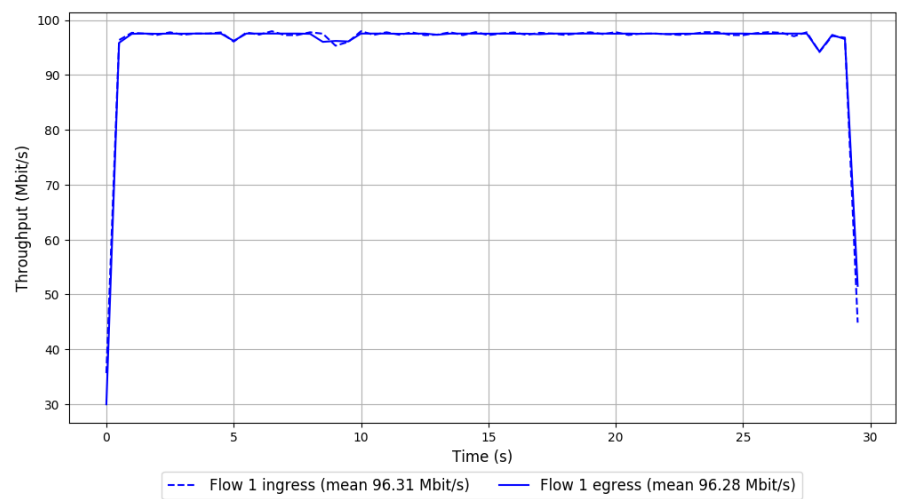
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2017-12-20 00:41:06
End at: 2017-12-20 00:41:36
Local clock offset: -2.236 ms
Remote clock offset: -2.429 ms


# Below is generated by plot.py at 2017-12-20 02:41:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 35.441 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 35.441 ms
Loss rate: 0.01%
```

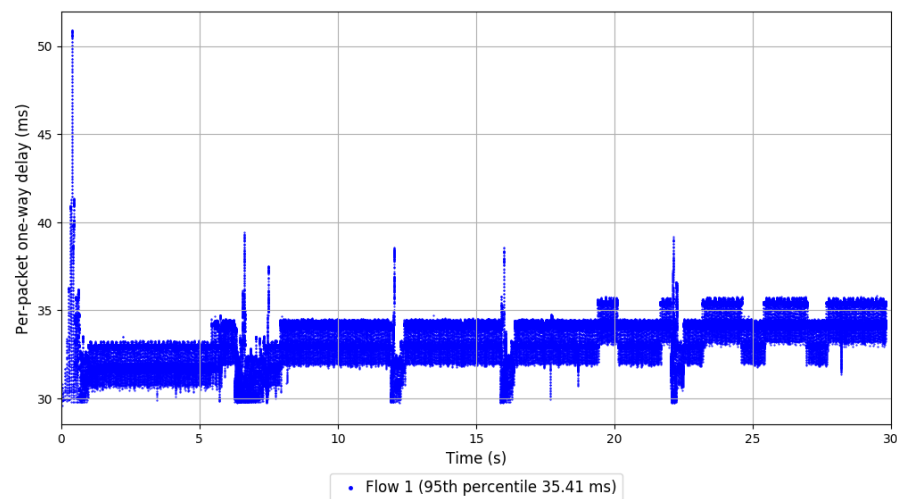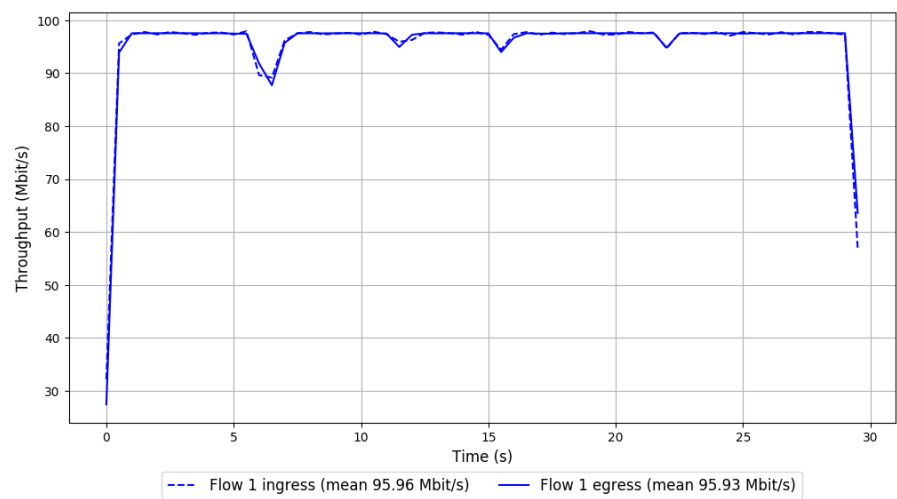# Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2017-12-20 01:01:39
End at: 2017-12-20 01:02:09
Local clock offset: -2.458 ms
Remote clock offset: -1.914 ms


# Below is generated by plot.py at 2017-12-20 02:41:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 35.415 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 35.415 ms
Loss rate: 0.02%
```

Run 8: Report of Indigo — Data Link
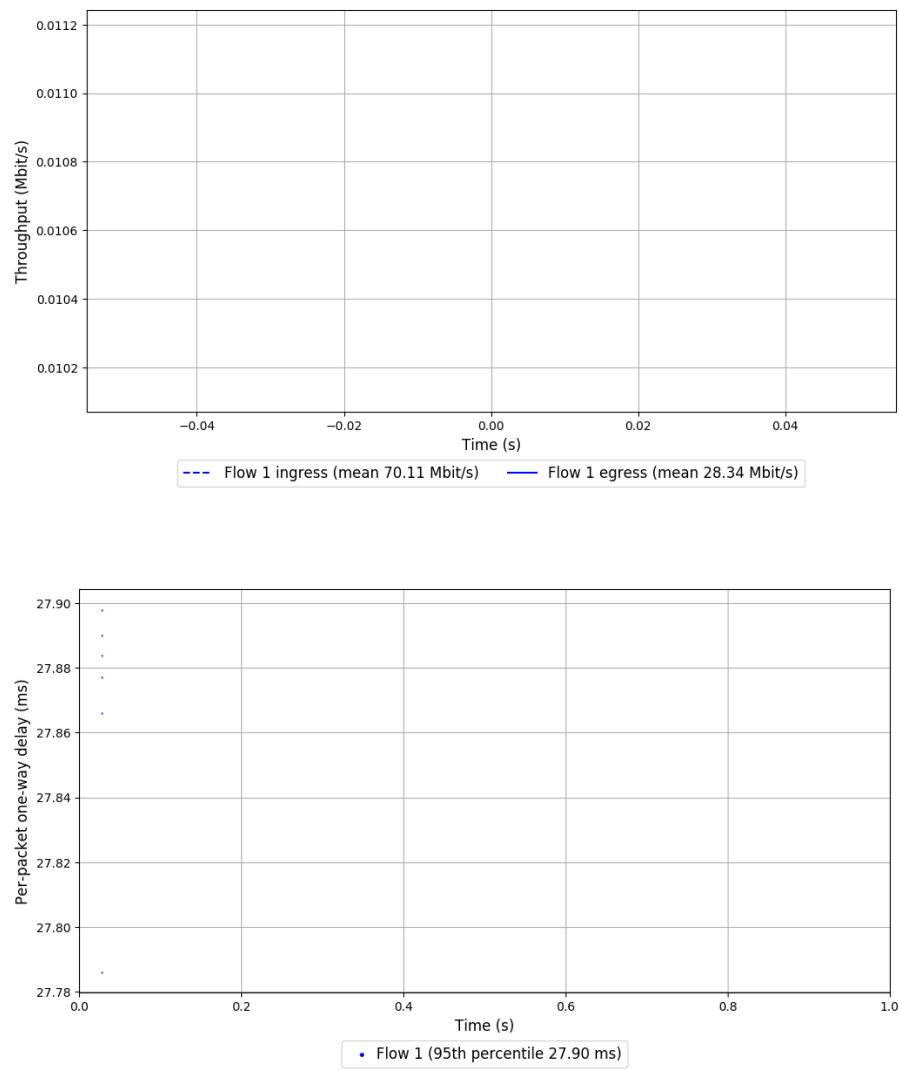
```
Run 9: Statistics of Indigo

Start at: 2017-12-20 01:22:14
End at: 2017-12-20 01:22:44
Local clock offset: -2.302 ms
Remote clock offset: -2.834 ms
```

Run 9: Report of Indigo — Data Link

Flow 1 ingress (mean 70.11 Mbit/s) — Flow 1 egress (mean 28.34 Mbit/s)

Flow 1 (95th percentile 27.90 ms)

Run 10: Statistics of Indigo

Start at: 2017-12-20 01:43:00
End at: 2017-12-20 01:43:30
Local clock offset: -2.275 ms
Remote clock offset: 0.336 ms

Run 10: Report of Indigo — Data Link

Flow 1 ingress (mean 89.89 Mbit/s) — — — Flow 1 egress (mean 89.81 Mbit/s) ———

Flow 1 (95th percentile 34.48 ms)