Pantheon Report

Generated at 2017-10-11 00:07:45 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

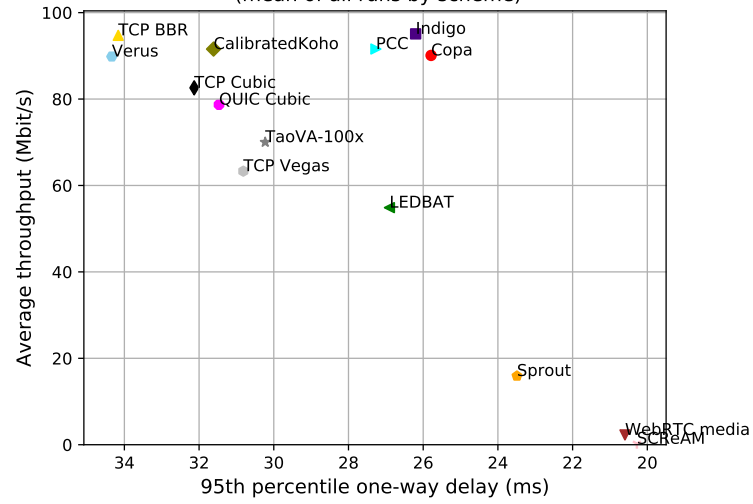Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

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

```
Git summary:
branch: indigos @ 45998d6404be7c5106956530acb9cfc43bd06e7d
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```
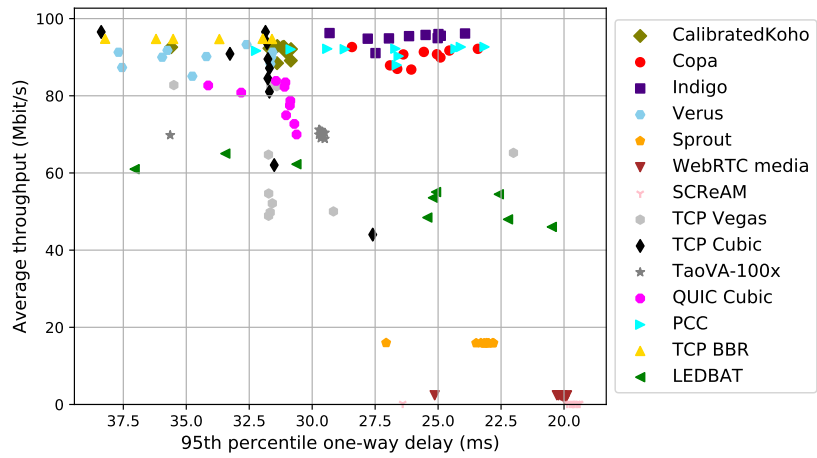
test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme (mean of all runs by scheme)

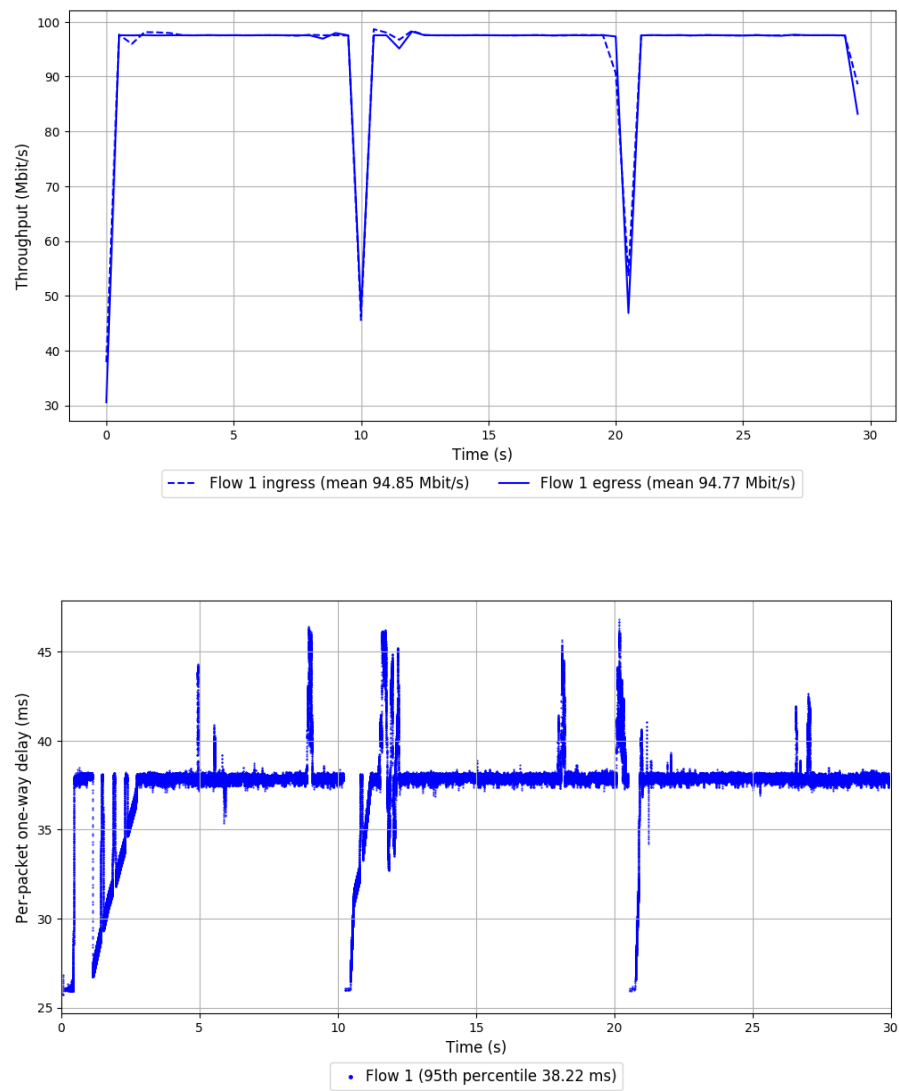test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	7	94.74	34.16	0.28
TCP Cubic	10	82.59	32.13	0.21
LEDBAT	9	54.87	26.90	0.27
PCC	10	91.58	27.27	0.24
QUIC Cubic	10	78.70	31.47	0.28
SCReAM	10	0.22	20.28	0.20
WebRTC media	10	2.27	20.60	0.23
Sprout	10	15.91	23.49	0.19
TaoVA-100x	10	70.02	30.23	0.23
TCP Vegas	10	63.30	30.82	0.22
Verus	10	89.84	34.34	0.33
Copa	10	90.10	25.79	0.27
CalibratedKoho	10	91.57	31.61	0.28
Indigo	10	95.08	26.20	0.29

```
Run 1: Statistics of TCP BBR

Start at: 2017-10-10 17:35:29
End at: 2017-10-10 17:35:59
Local clock offset: 12.112 ms
Remote clock offset: -3.654 ms


# Below is generated by plot.py at 2017-10-10 23:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 38.222 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.77 Mbit/s
95th percentile per-packet one-way delay: 38.222 ms
Loss rate: 0.26%
```
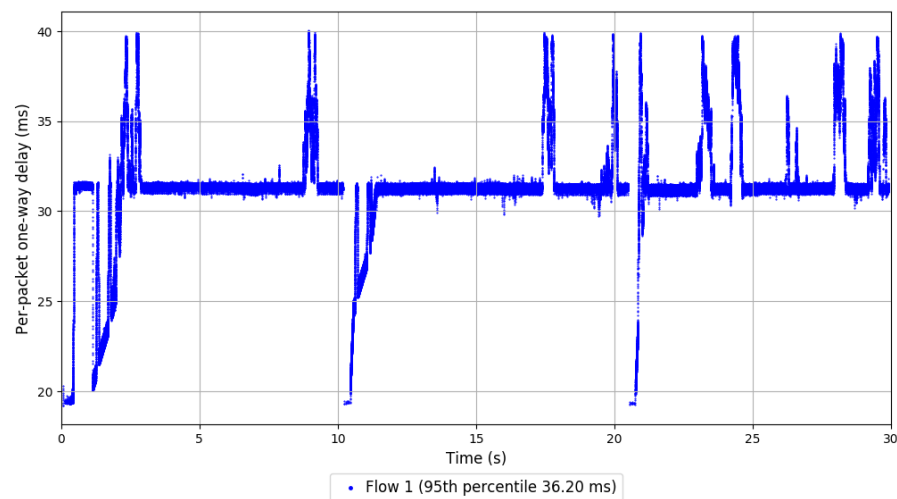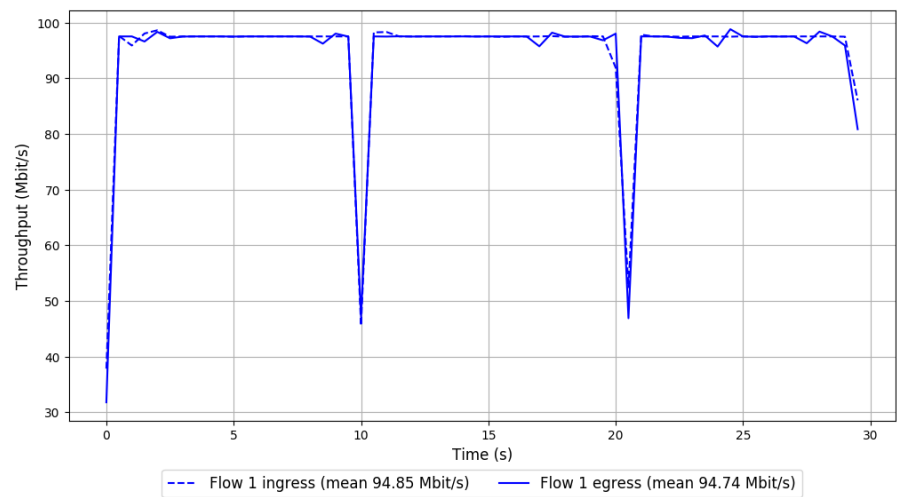
Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.85 Mbit/s)　　Flow 1 egress (mean 94.77 Mbit/s)

Flow 1 (95th percentile 38.22 ms)

```
Run 2: Statistics of TCP BBR

Start at: 2017-10-10 17:54:12
End at: 2017-10-10 17:54:42
Local clock offset: 4.428 ms
Remote clock offset: 2.702 ms
```

Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: 2017-10-10 18:12:50
End at: 2017-10-10 18:13:20
Local clock offset: 2.819 ms
Remote clock offset: 3.035 ms


# Below is generated by plot.py at 2017-10-10 23:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 36.200 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 36.200 ms
Loss rate: 0.30%
```
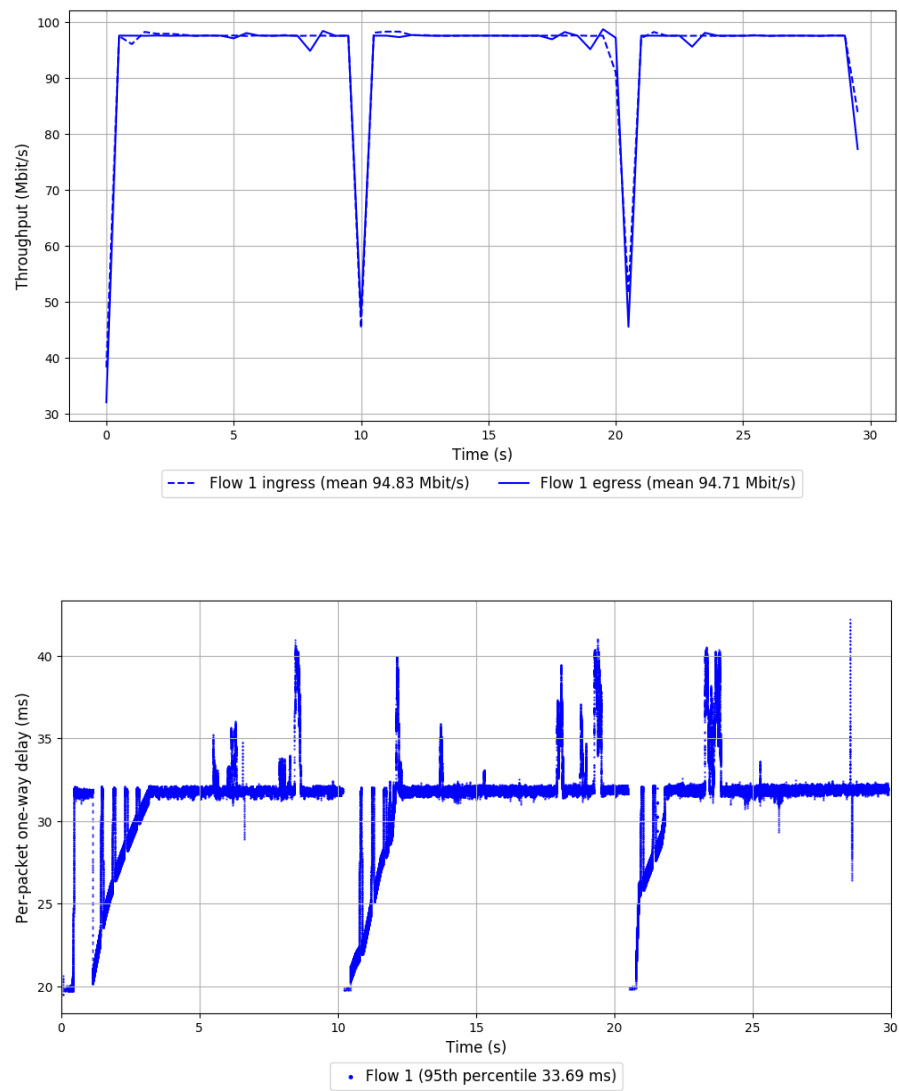
Run 3: Report of TCP BBR — Data Link
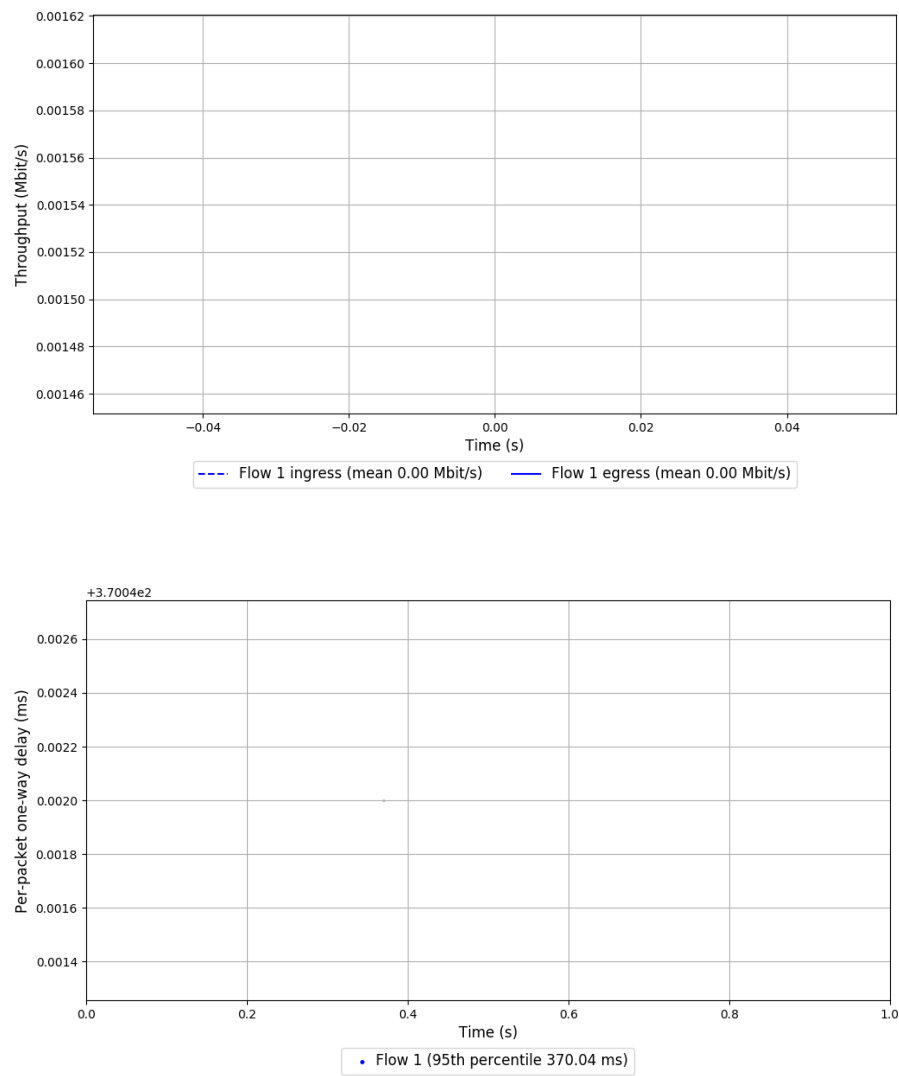
```
Run 4: Statistics of TCP BBR

Start at: 2017-10-10 18:31:33
End at: 2017-10-10 18:32:03
Local clock offset: 6.579 ms
Remote clock offset: 3.495 ms
```

Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 0.00 Mbit/s) —— Flow 1 egress (mean 18.14 Mbit/s)

• Flow 1 (95th percentile 3292.93 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2017-10-10 18:50:32
End at: 2017-10-10 18:51:02
Local clock offset: 4.053 ms
Remote clock offset: 3.433 ms


# Below is generated by plot.py at 2017-10-10 23:49:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 33.686 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 94.71 Mbit/s
95th percentile per-packet one-way delay: 33.686 ms
Loss rate: 0.31%
```
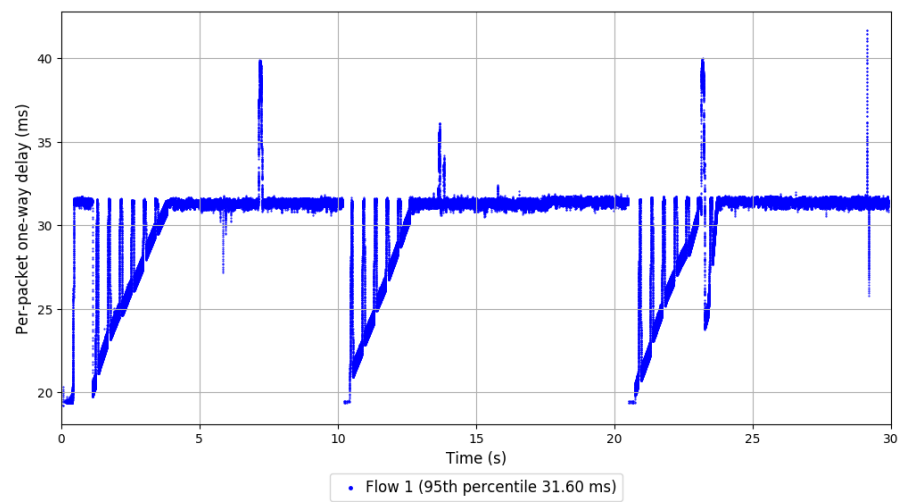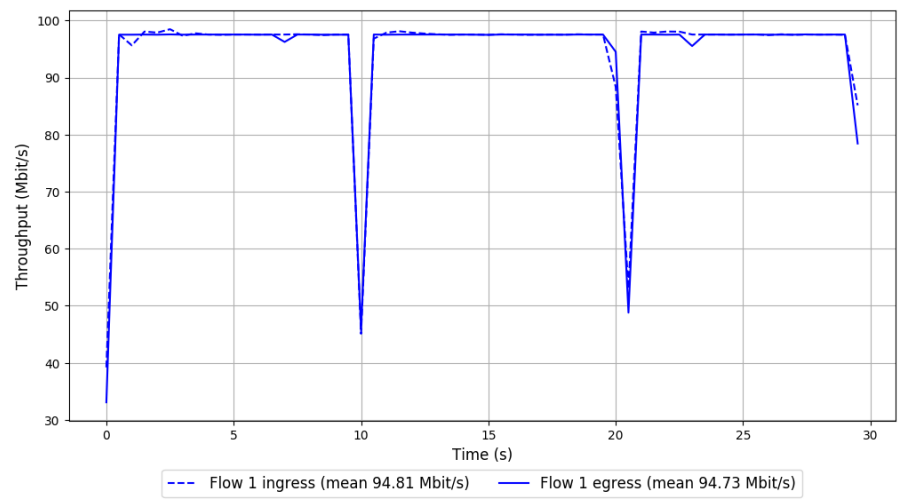
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.83 Mbit/s) ------- Flow 1 egress (mean 94.71 Mbit/s)

• Flow 1 (95th percentile 33.69 ms)

13

```
Run 6: Statistics of TCP BBR

Start at: 2017-10-10 19:09:38
End at: 2017-10-10 19:10:08
Local clock offset: 1.676 ms
Remote clock offset: 3.374 ms
```

Run 6: Report of TCP BBR — Data Link

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

Flow 1 (95th percentile 370.04 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2017-10-10 19:28:27
End at: 2017-10-10 19:28:57
Local clock offset: 2.077 ms
Remote clock offset: 3.472 ms


# Below is generated by plot.py at 2017-10-10 23:49:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 31.597 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 31.597 ms
Loss rate: 0.28%
```
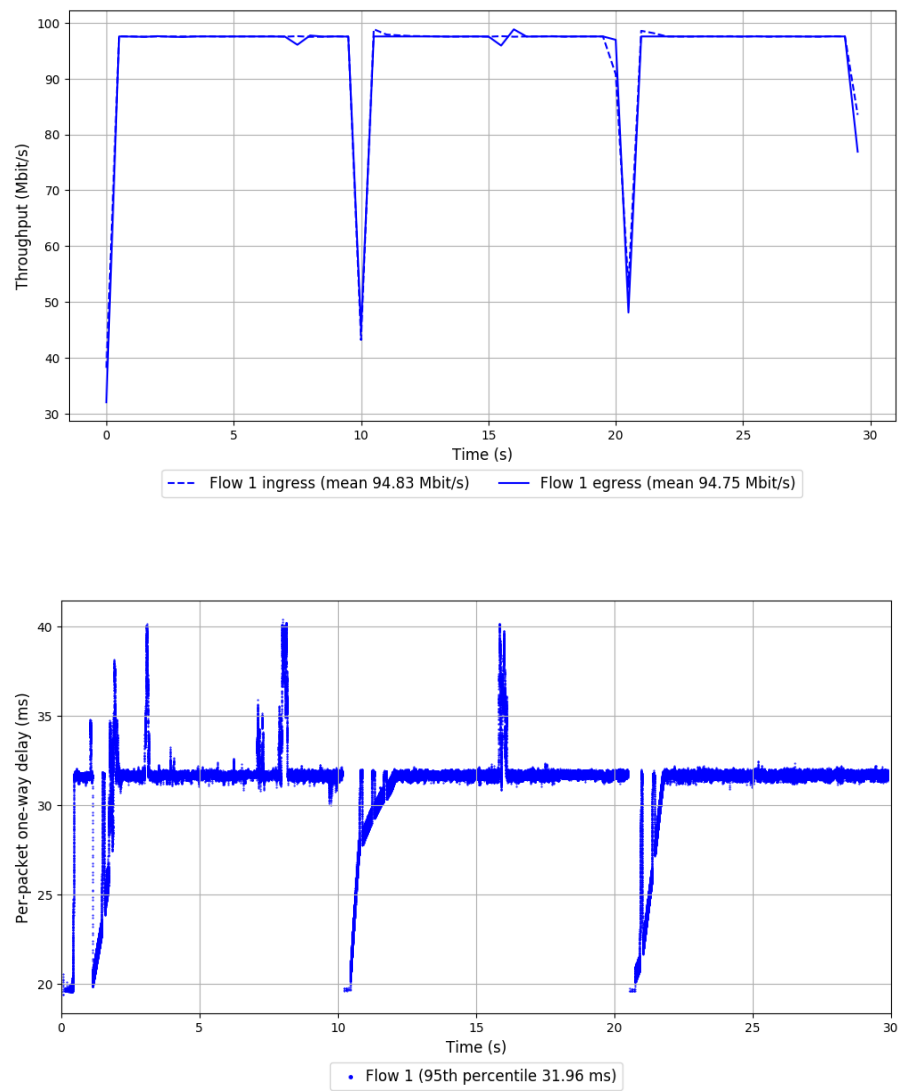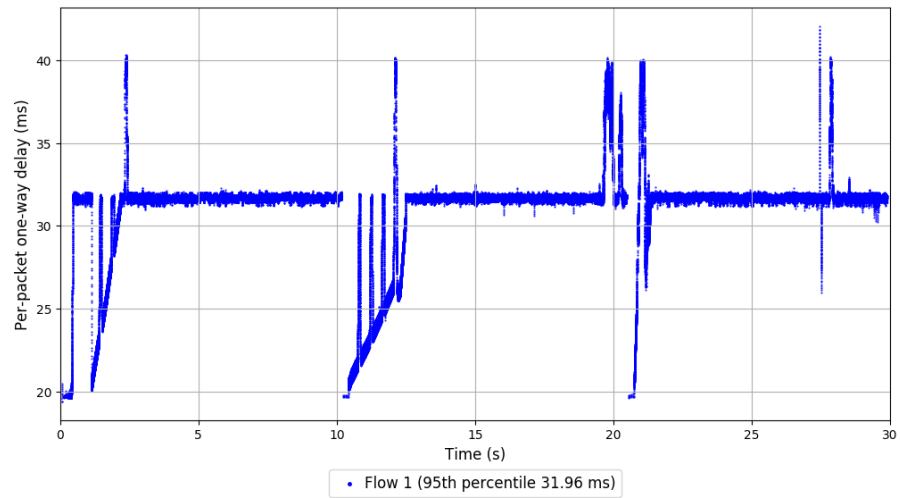
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.81 Mbit/s)   Flow 1 egress (mean 94.73 Mbit/s)

• Flow 1 (95th percentile 31.60 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2017-10-10 19:47:13
End at: 2017-10-10 19:47:43
Local clock offset: 2.253 ms
Remote clock offset: 3.606 ms


# Below is generated by plot.py at 2017-10-10 23:49:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 31.959 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 31.959 ms
Loss rate: 0.26%
```
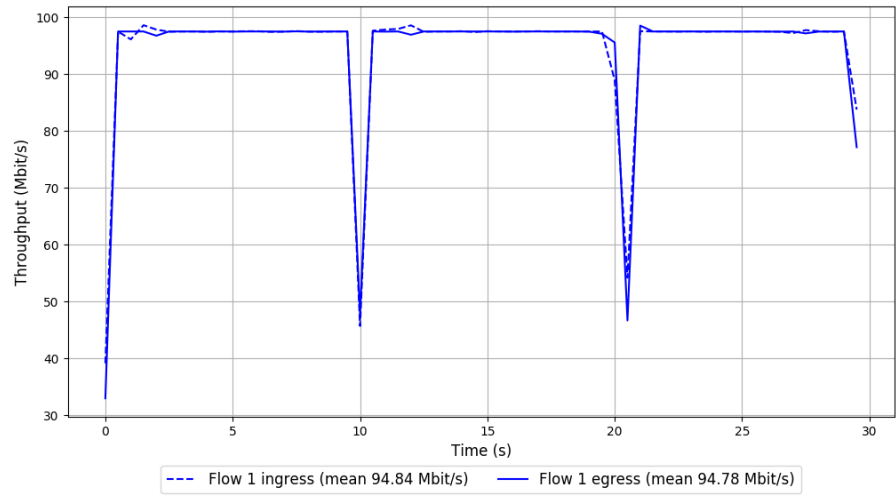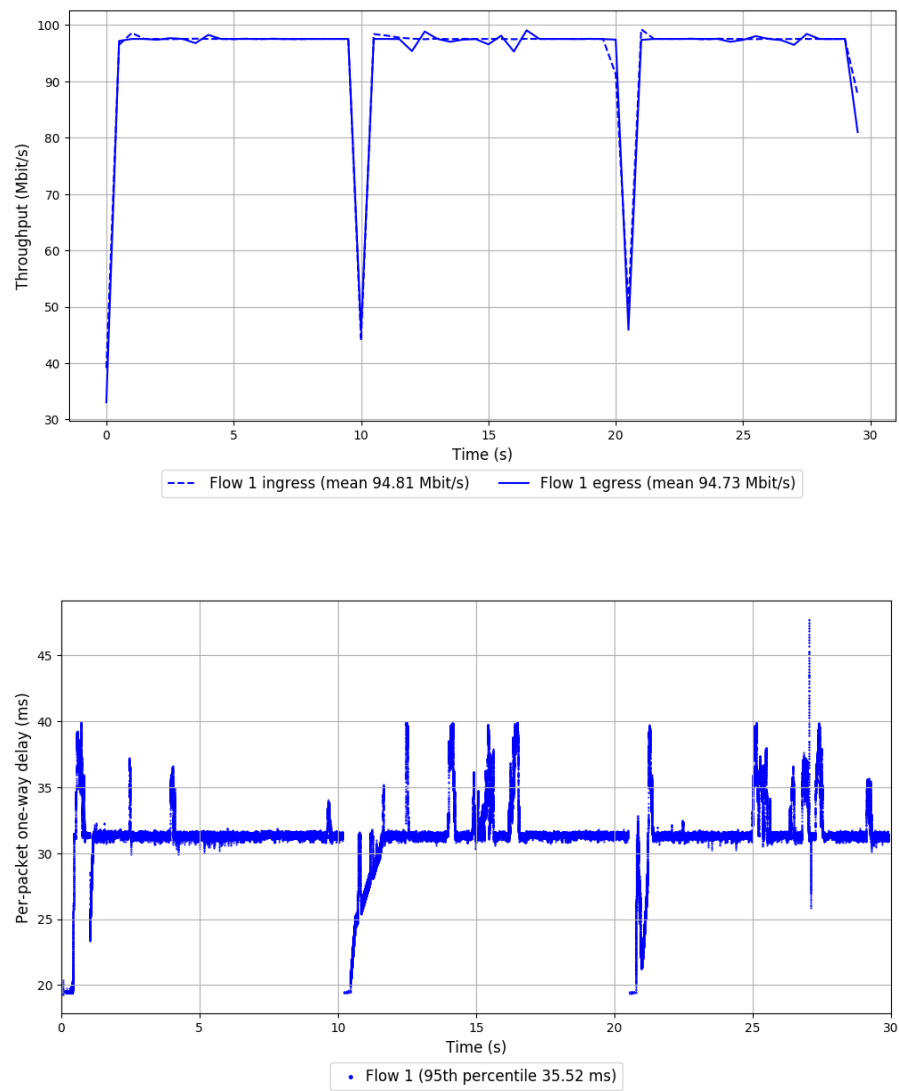
Run 8: Report of TCP BBR — Data Link

```
Run 9: Statistics of TCP BBR

Start at: 2017-10-10 20:05:59
End at: 2017-10-10 20:06:29
Local clock offset: 1.33 ms
Remote clock offset: 3.708 ms


# Below is generated by plot.py at 2017-10-10 23:49:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 31.963 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 31.963 ms
Loss rate: 0.26%
```

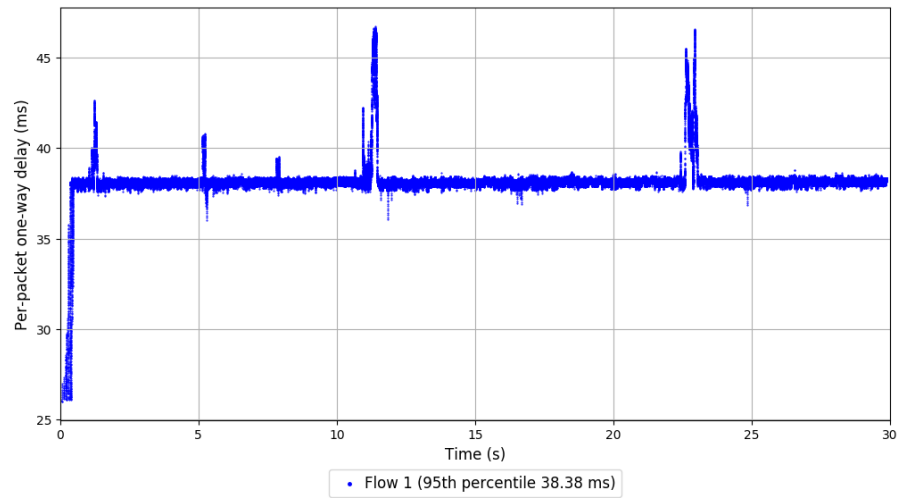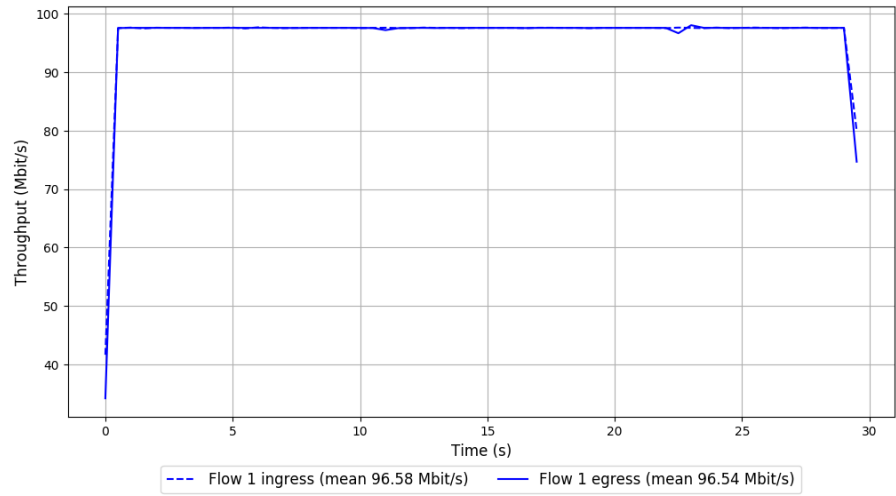Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.84 Mbit/s)   Flow 1 egress (mean 94.78 Mbit/s)

Flow 1 (95th percentile 31.96 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2017-10-10 20:25:03
End at: 2017-10-10 20:25:33
Local clock offset: 2.184 ms
Remote clock offset: 3.781 ms


# Below is generated by plot.py at 2017-10-10 23:49:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 35.521 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 94.73 Mbit/s
95th percentile per-packet one-way delay: 35.521 ms
Loss rate: 0.29%
```
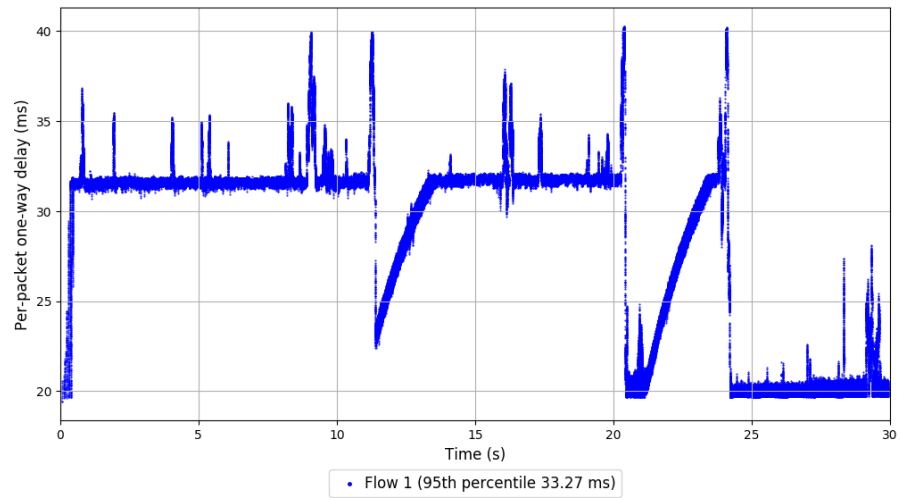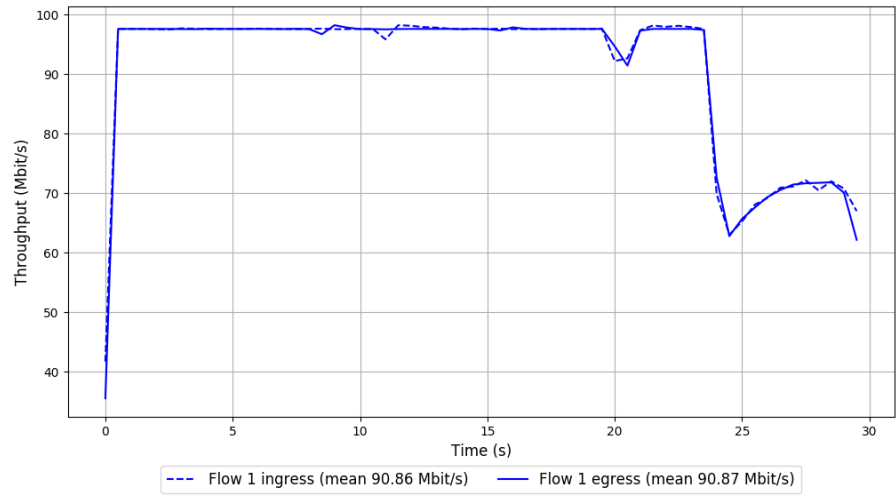
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 94.81 Mbit/s)   Flow 1 egress (mean 94.73 Mbit/s)

Flow 1 (95th percentile 35.52 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2017-10-10 17:42:08
End at: 2017-10-10 17:42:38
Local clock offset: 7.177 ms
Remote clock offset: -3.658 ms


# Below is generated by plot.py at 2017-10-10 23:49:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 38.378 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 96.54 Mbit/s
95th percentile per-packet one-way delay: 38.378 ms
Loss rate: 0.23%
```
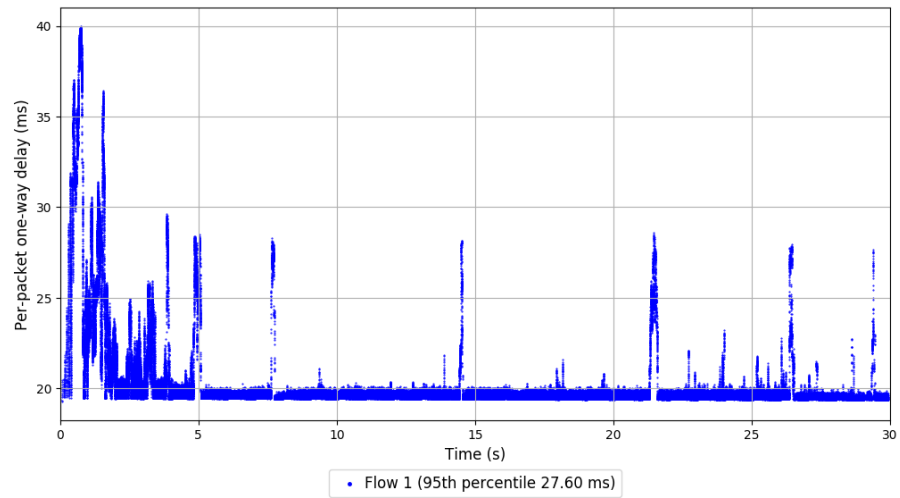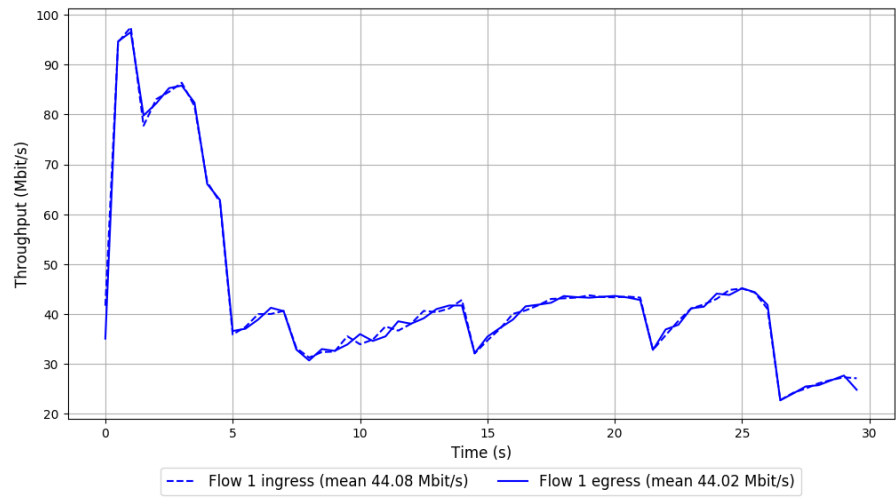
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2017-10-10 18:00:47
End at: 2017-10-10 18:01:17
Local clock offset: 2.536 ms
Remote clock offset: 2.754 ms


# Below is generated by plot.py at 2017-10-10 23:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 33.265 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 90.87 Mbit/s
95th percentile per-packet one-way delay: 33.265 ms
Loss rate: 0.17%
```
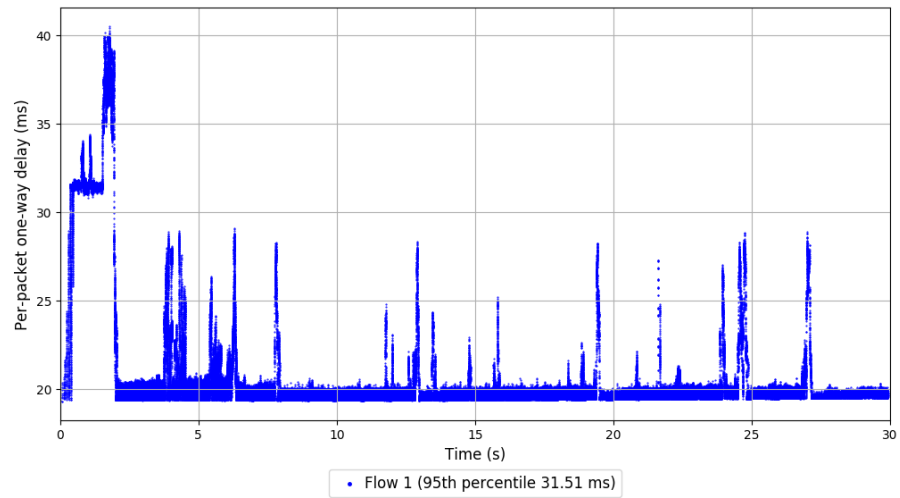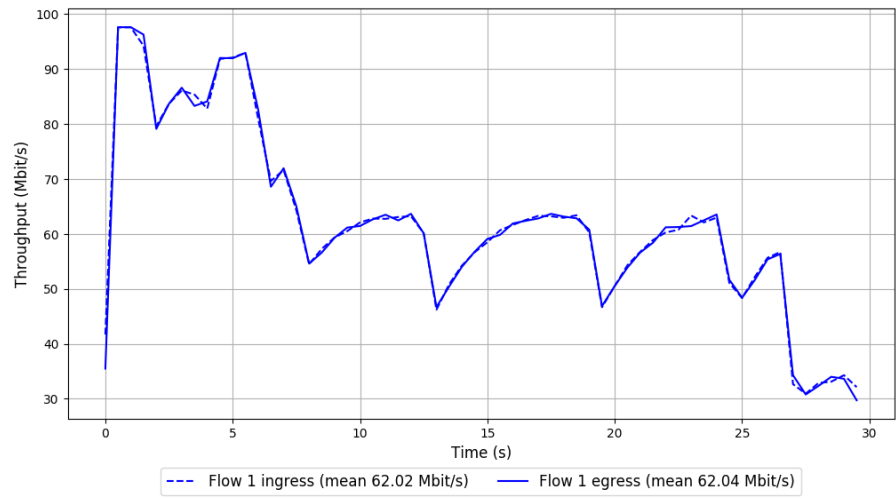
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 90.86 Mbit/s) — — — — Flow 1 egress (mean 90.87 Mbit/s)

• Flow 1 (95th percentile 33.27 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2017-10-10 18:19:26
End at: 2017-10-10 18:19:56
Local clock offset: 3.034 ms
Remote clock offset: 3.131 ms

# Below is generated by plot.py at 2017-10-10 23:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 27.596 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 44.02 Mbit/s
95th percentile per-packet one-way delay: 27.596 ms
Loss rate: 0.30%
```
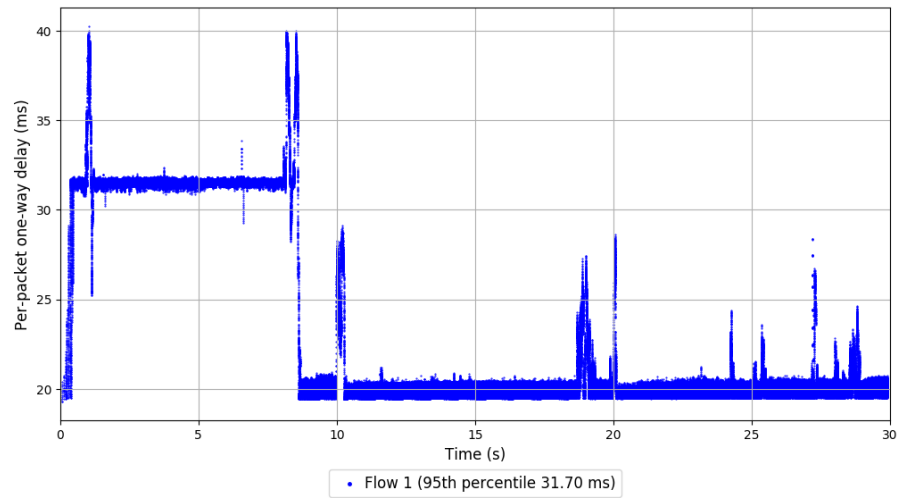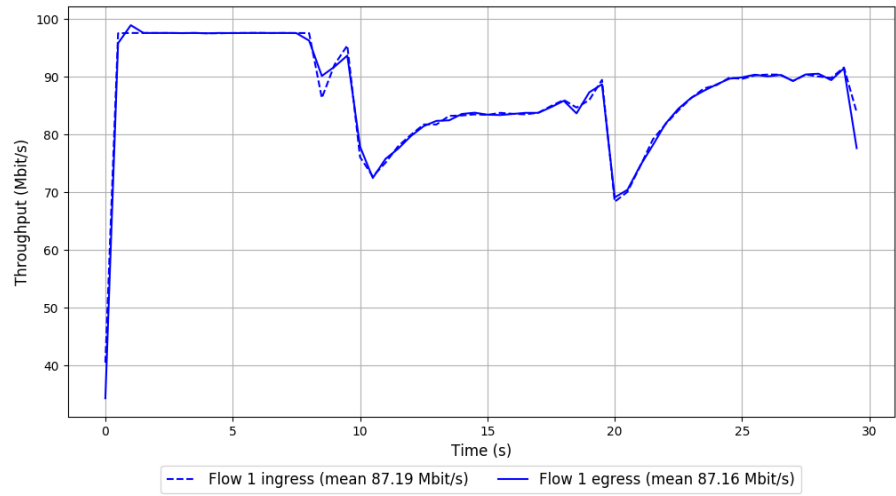
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 44.08 Mbit/s) ----   Flow 1 egress (mean 44.02 Mbit/s) ——

Flow 1 (95th percentile 27.60 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2017-10-10 18:38:07
End at: 2017-10-10 18:38:37
Local clock offset: 6.498 ms
Remote clock offset: 3.458 ms

# Below is generated by plot.py at 2017-10-10 23:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.04 Mbit/s
95th percentile per-packet one-way delay: 31.507 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 62.04 Mbit/s
95th percentile per-packet one-way delay: 31.507 ms
Loss rate: 0.15%
```
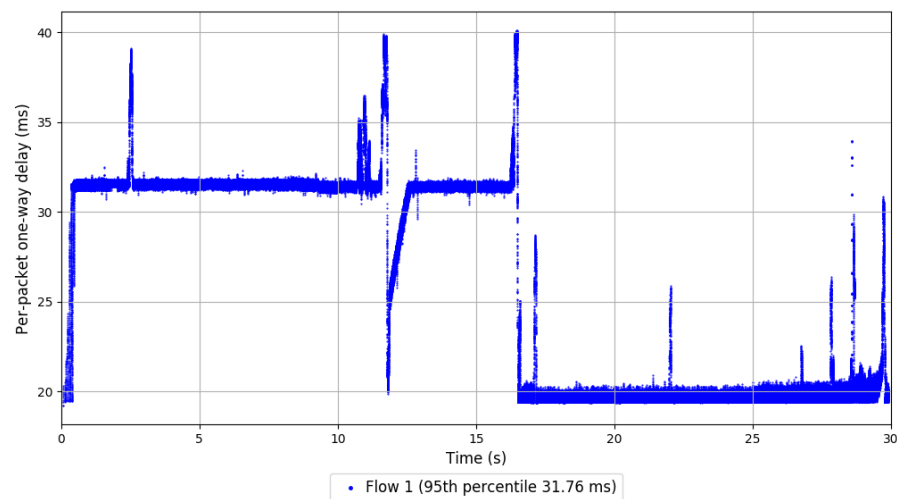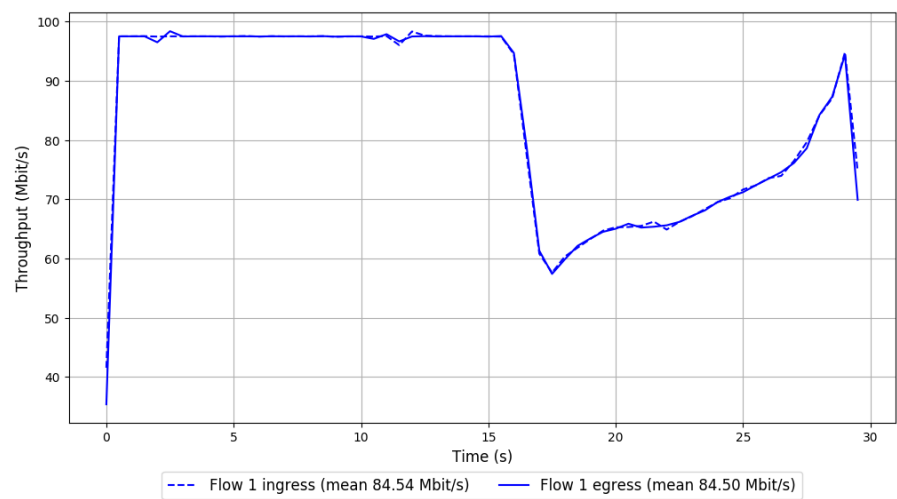
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 62.02 Mbit/s) — Flow 1 egress (mean 62.04 Mbit/s)

Flow 1 (95th percentile 31.51 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2017-10-10 18:57:08
End at: 2017-10-10 18:57:38
Local clock offset: 2.374 ms
Remote clock offset: 3.346 ms

# Below is generated by plot.py at 2017-10-10 23:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.16 Mbit/s
95th percentile per-packet one-way delay: 31.697 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 87.16 Mbit/s
95th percentile per-packet one-way delay: 31.697 ms
Loss rate: 0.22%
```
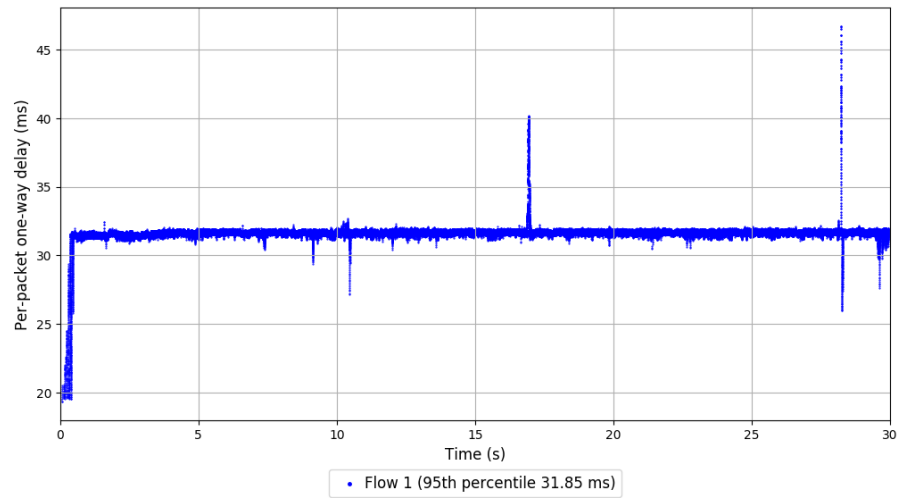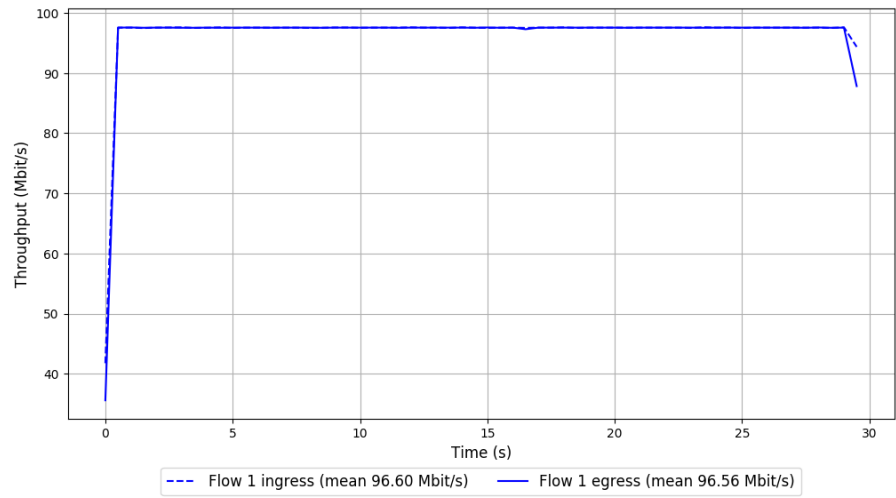
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2017-10-10 19:16:14
End at: 2017-10-10 19:16:44
Local clock offset: 1.544 ms
Remote clock offset: 3.447 ms


# Below is generated by plot.py at 2017-10-10 23:51:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.50 Mbit/s
95th percentile per-packet one-way delay: 31.762 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 84.50 Mbit/s
95th percentile per-packet one-way delay: 31.762 ms
Loss rate: 0.22%
```
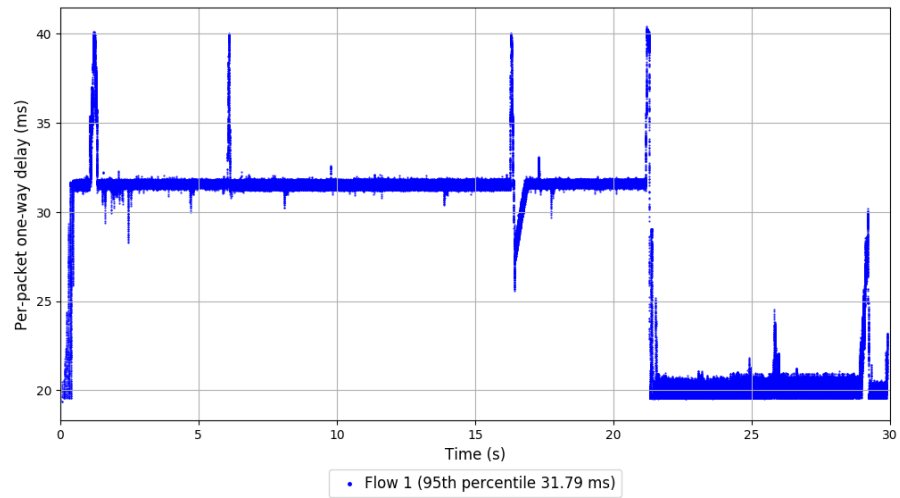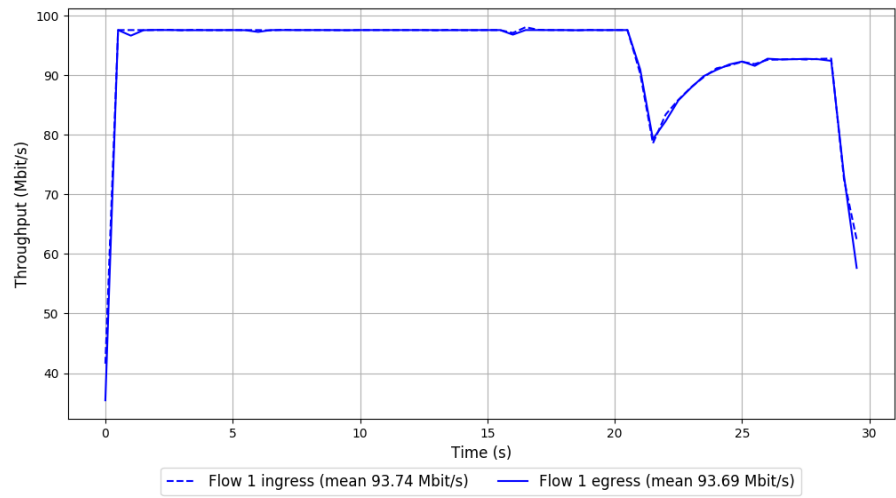
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 84.54 Mbit/s)   Flow 1 egress (mean 84.50 Mbit/s)

• Flow 1 (95th percentile 31.76 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2017-10-10 19:35:03
End at: 2017-10-10 19:35:33
Local clock offset: 2.789 ms
Remote clock offset: 3.556 ms


# Below is generated by plot.py at 2017-10-10 23:51:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 31.854 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 96.56 Mbit/s
95th percentile per-packet one-way delay: 31.854 ms
Loss rate: 0.22%
```
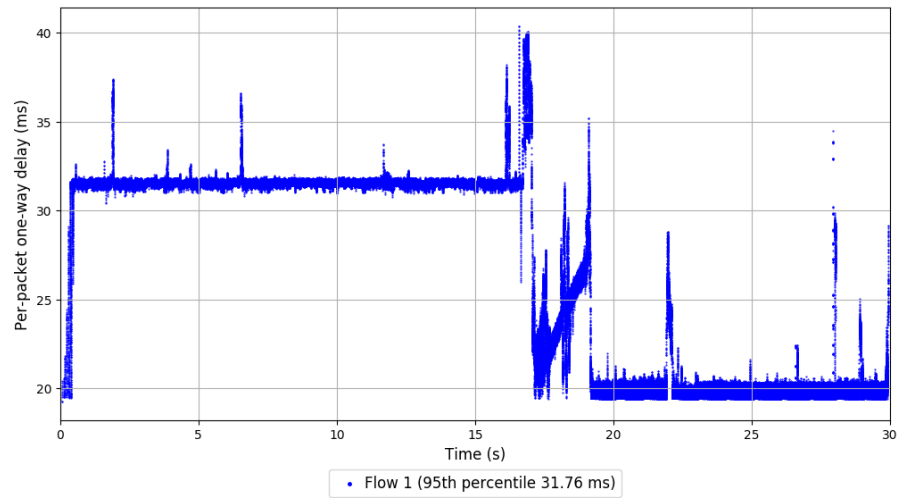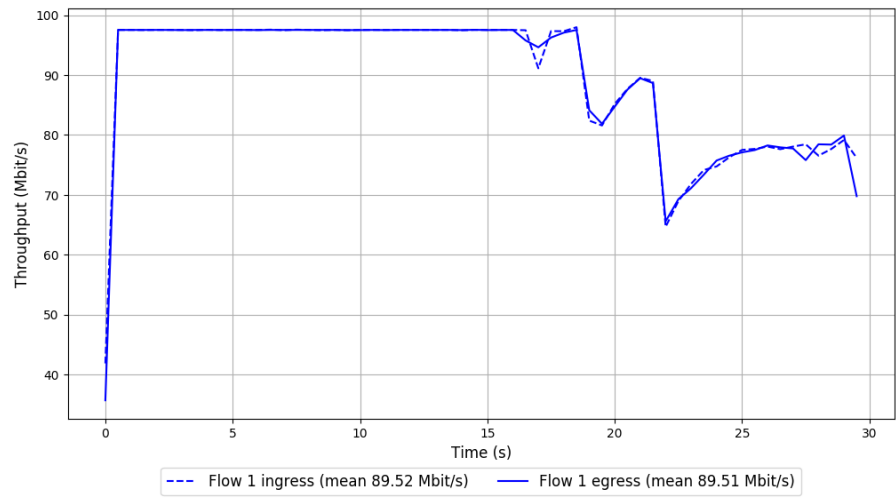
Run 7: Report of TCP Cubic — Data Link

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

Flow 1 (95th percentile 31.85 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2017-10-10 19:53:49
End at: 2017-10-10 19:54:19
Local clock offset: 1.384 ms
Remote clock offset: 3.657 ms


# Below is generated by plot.py at 2017-10-10 23:51:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 31.793 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 93.69 Mbit/s
95th percentile per-packet one-way delay: 31.793 ms
Loss rate: 0.22%
```
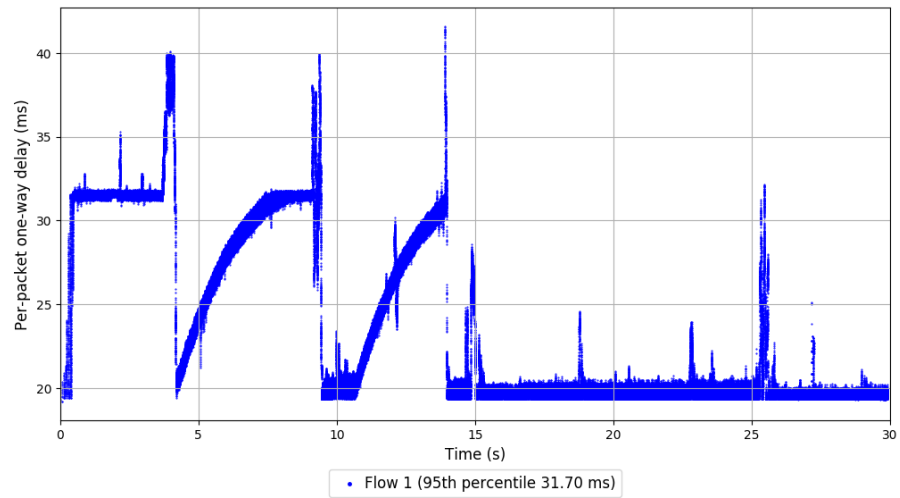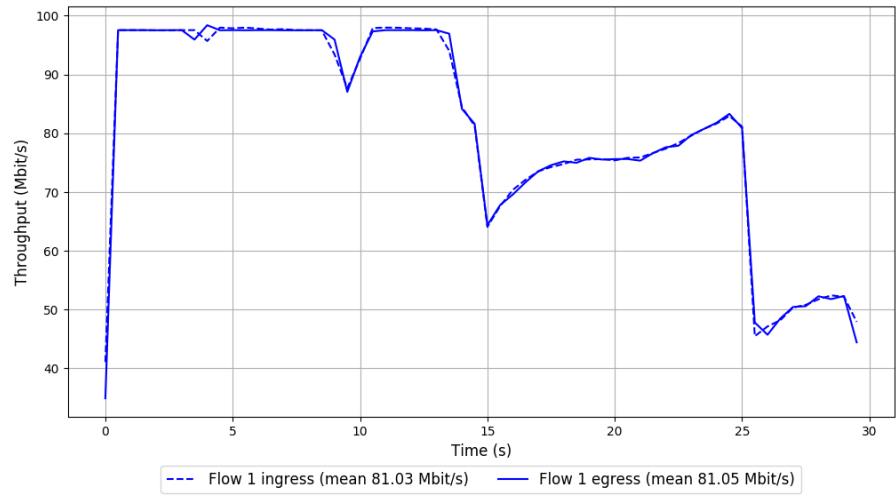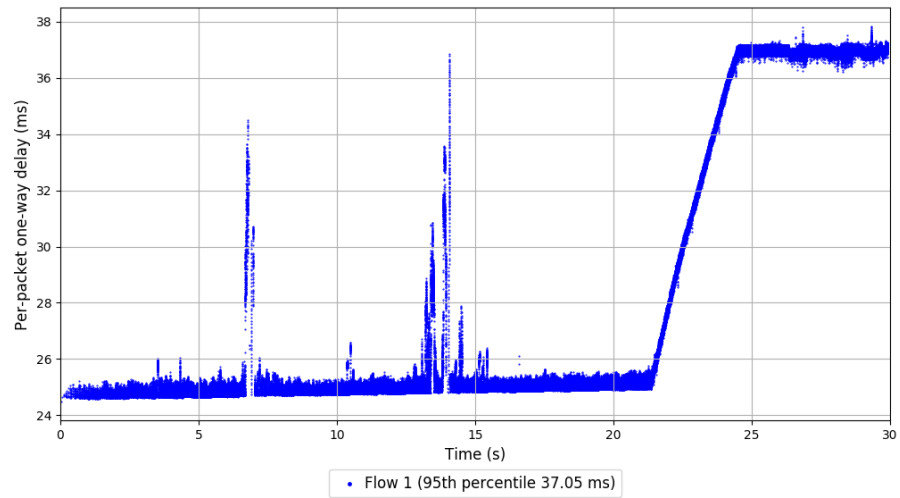
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 93.74 Mbit/s) ——— Flow 1 egress (mean 93.69 Mbit/s)

• Flow 1 (95th percentile 31.79 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2017-10-10 20:12:39
End at: 2017-10-10 20:13:09
Local clock offset: 1.533 ms
Remote clock offset: 3.811 ms


# Below is generated by plot.py at 2017-10-10 23:51:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 31.759 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 89.51 Mbit/s
95th percentile per-packet one-way delay: 31.759 ms
Loss rate: 0.19%
```
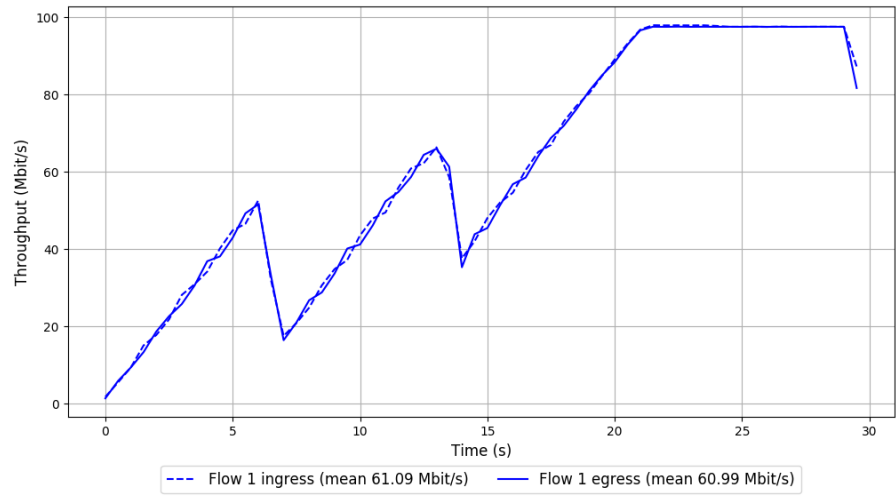
Run 9: Report of TCP Cubic — Data Link

```
Run 10: Statistics of TCP Cubic

Start at: 2017-10-10 20:31:43
End at: 2017-10-10 20:32:13
Local clock offset: 2.614 ms
Remote clock offset: 3.785 ms


# Below is generated by plot.py at 2017-10-10 23:51:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.05 Mbit/s
95th percentile per-packet one-way delay: 31.698 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 81.05 Mbit/s
95th percentile per-packet one-way delay: 31.698 ms
Loss rate: 0.14%
```
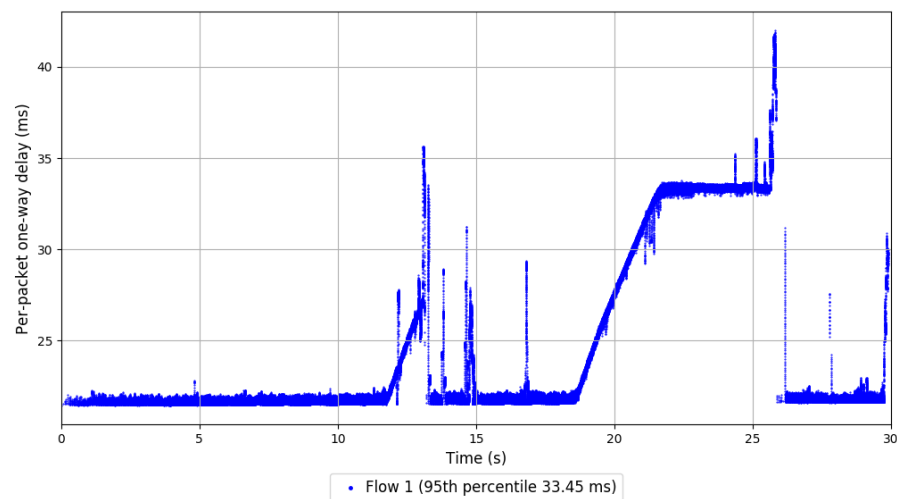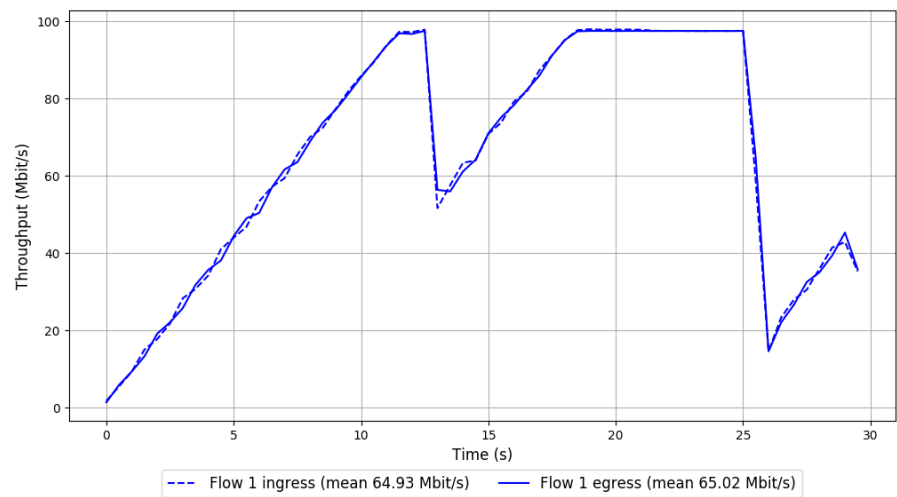
Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2017-10-10 17:32:48
End at: 2017-10-10 17:33:18
Local clock offset: 14.535 ms
Remote clock offset: -1.504 ms


# Below is generated by plot.py at 2017-10-10 23:51:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 37.051 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 60.99 Mbit/s
95th percentile per-packet one-way delay: 37.051 ms
Loss rate: 0.36%
```
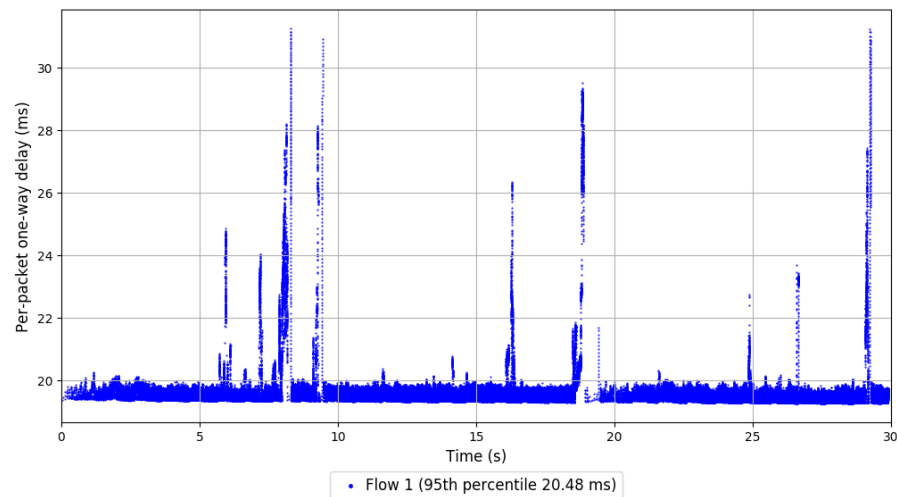
Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2017-10-10 17:51:35
End at: 2017-10-10 17:52:05
Local clock offset: 5.207 ms
Remote clock offset: 0.978 ms


# Below is generated by plot.py at 2017-10-10 23:52:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 33.450 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 65.02 Mbit/s
95th percentile per-packet one-way delay: 33.450 ms
Loss rate: 0.04%
```
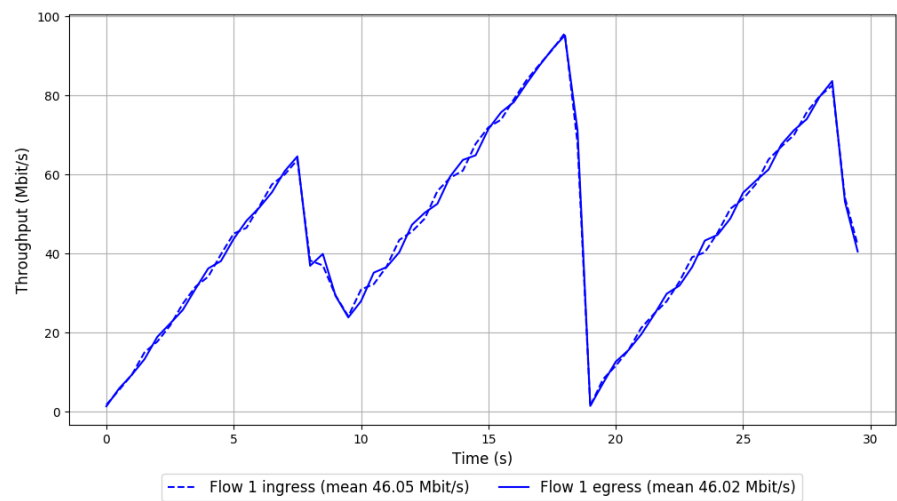
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2017-10-10 18:10:14
End at: 2017-10-10 18:10:44
Local clock offset: 2.105 ms
Remote clock offset: 2.92 ms


# Below is generated by plot.py at 2017-10-10 23:52:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 20.485 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 46.02 Mbit/s
95th percentile per-packet one-way delay: 20.485 ms
Loss rate: 0.24%
```
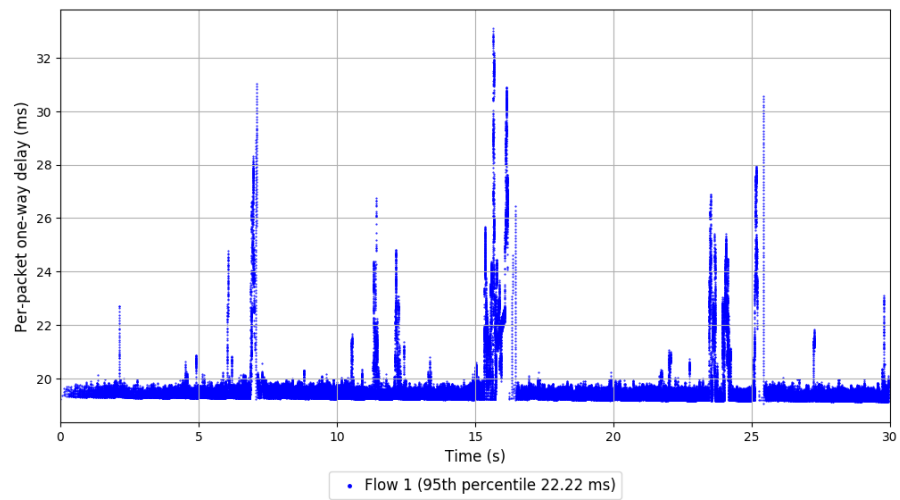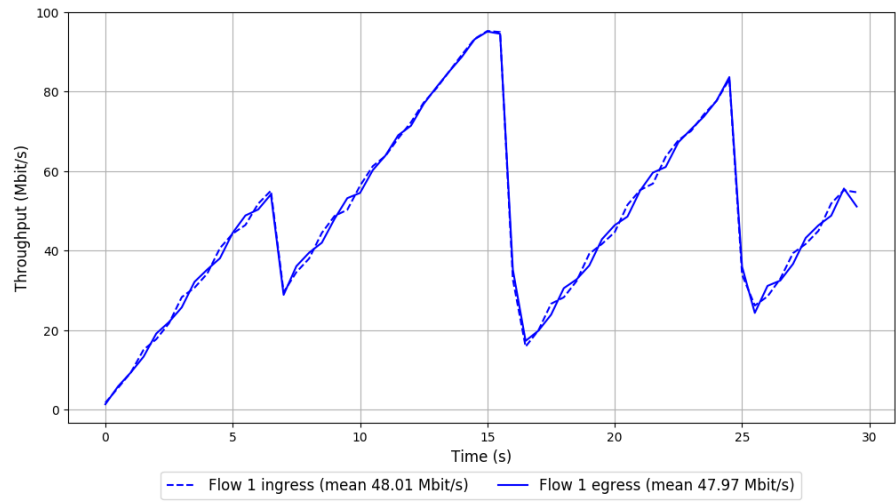
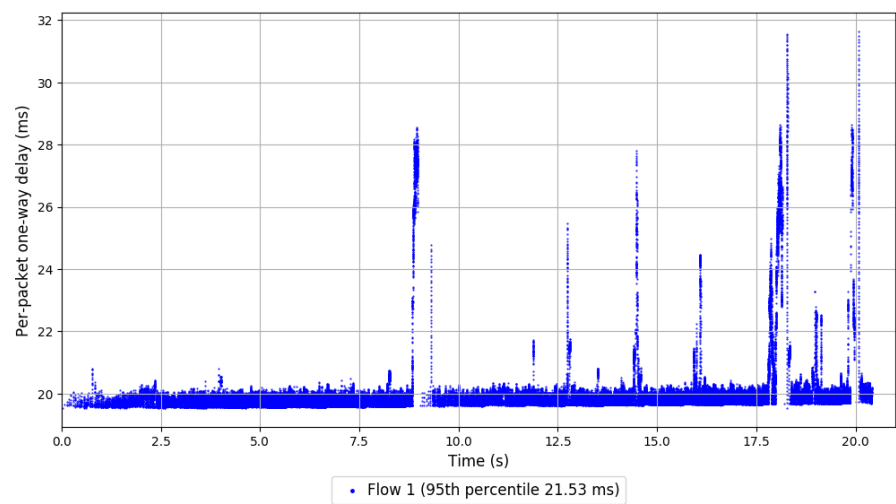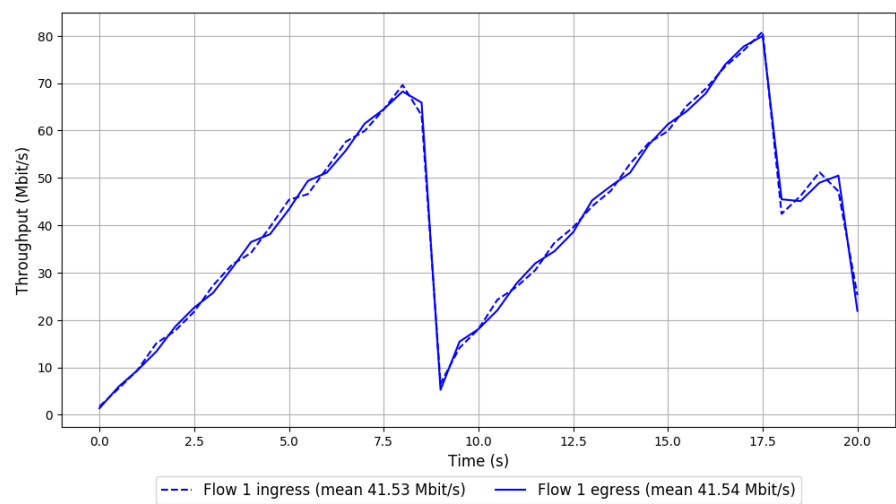Run 3: Report of LEDBAT — Data Link

```
Run 4: Statistics of LEDBAT

Start at: 2017-10-10 18:28:57
End at: 2017-10-10 18:29:27
Local clock offset: 5.728 ms
Remote clock offset: 3.377 ms


# Below is generated by plot.py at 2017-10-10 23:52:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.97 Mbit/s
95th percentile per-packet one-way delay: 22.224 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 47.97 Mbit/s
95th percentile per-packet one-way delay: 22.224 ms
Loss rate: 0.25%
```
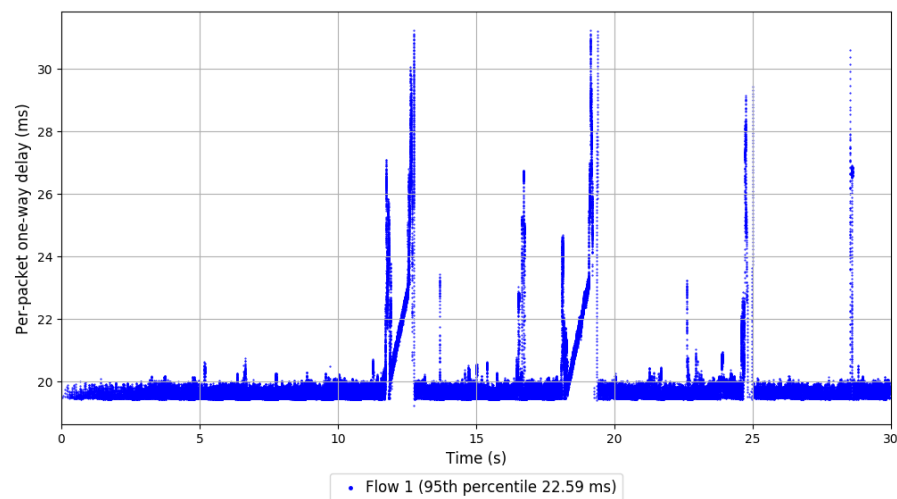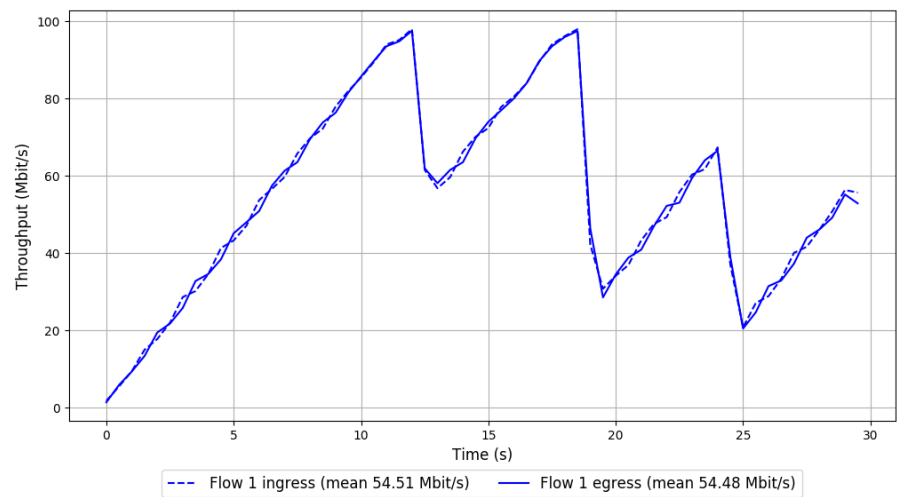
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 48.01 Mbit/s)   Flow 1 egress (mean 47.97 Mbit/s)

• Flow 1 (95th percentile 22.22 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2017-10-10 18:47:58
End at: 2017-10-10 18:48:28
Local clock offset: 4.845 ms
Remote clock offset: 3.457 ms
```

Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2017-10-10 19:07:01
End at: 2017-10-10 19:07:31
Local clock offset: 1.632 ms
Remote clock offset: 3.333 ms


# Below is generated by plot.py at 2017-10-10 23:52:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 22.589 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 54.48 Mbit/s
95th percentile per-packet one-way delay: 22.589 ms
Loss rate: 0.23%
```

Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: 2017-10-10 19:25:51
End at: 2017-10-10 19:26:21
Local clock offset: 1.86 ms
Remote clock offset: 3.5 ms


# Below is generated by plot.py at 2017-10-10 23:52:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 25.081 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 25.081 ms
Loss rate: 0.38%
```
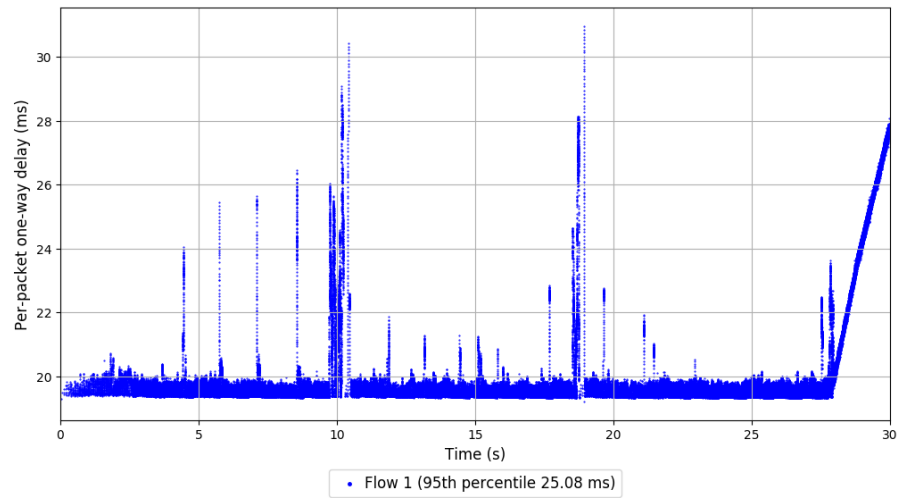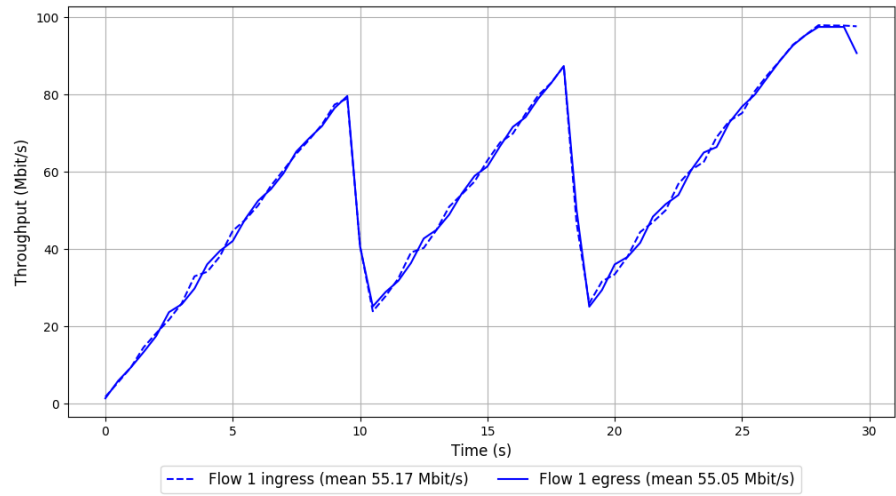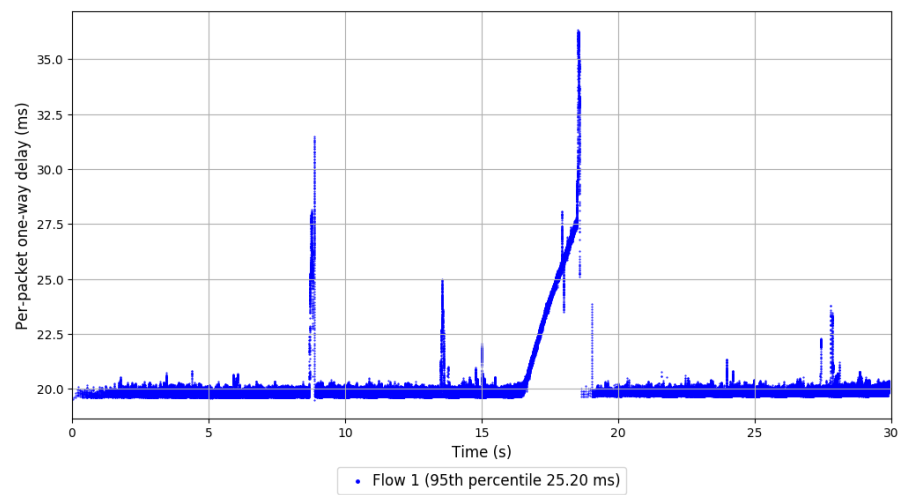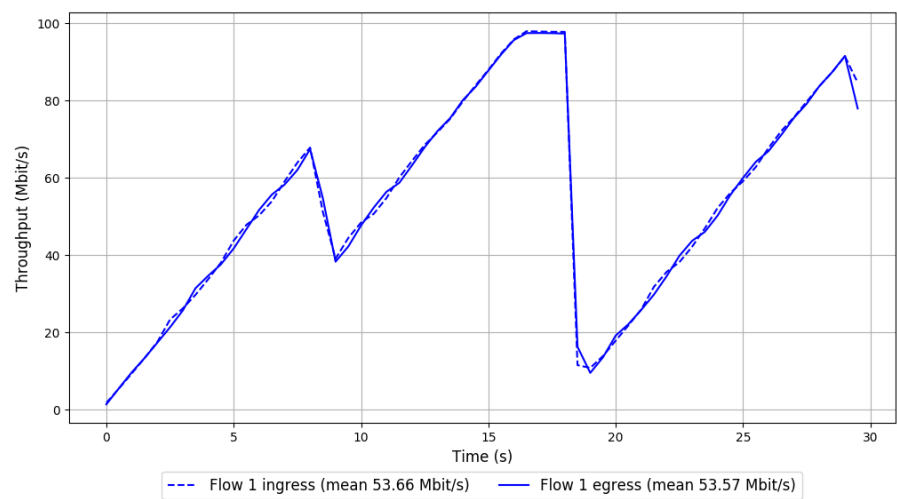
Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: 2017-10-10 19:44:37
End at: 2017-10-10 19:45:07
Local clock offset: 2.585 ms
Remote clock offset: 3.53 ms


# Below is generated by plot.py at 2017-10-10 23:52:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.57 Mbit/s
95th percentile per-packet one-way delay: 25.205 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 53.57 Mbit/s
95th percentile per-packet one-way delay: 25.205 ms
Loss rate: 0.35%
```

Run 8: Report of LEDBAT — Data Link

```
Run 9: Statistics of LEDBAT

Start at: 2017-10-10 20:03:23
End at: 2017-10-10 20:03:53
Local clock offset: 1.151 ms
Remote clock offset: 3.76 ms


# Below is generated by plot.py at 2017-10-10 23:52:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 25.428 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 48.44 Mbit/s
95th percentile per-packet one-way delay: 25.428 ms
Loss rate: 0.45%
```
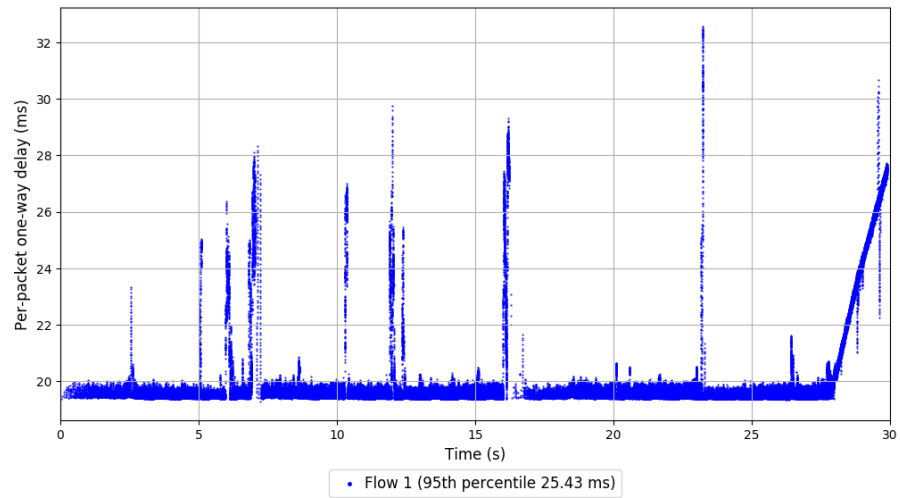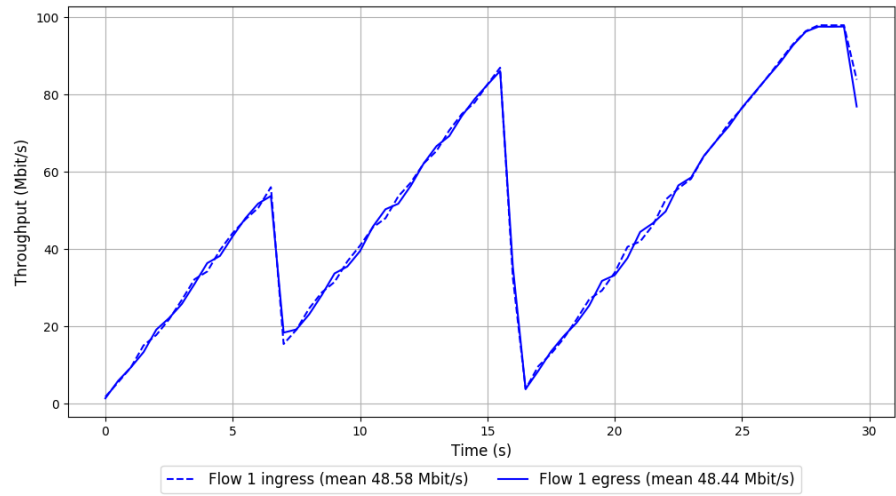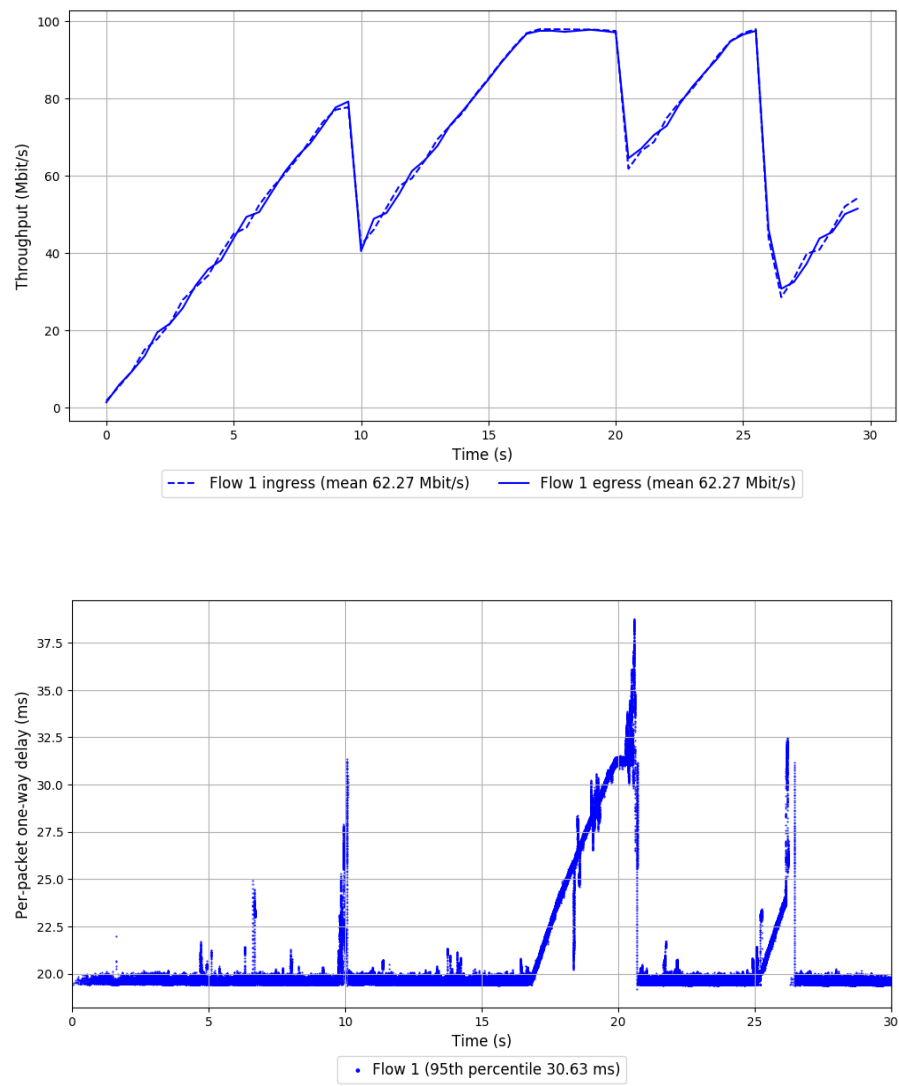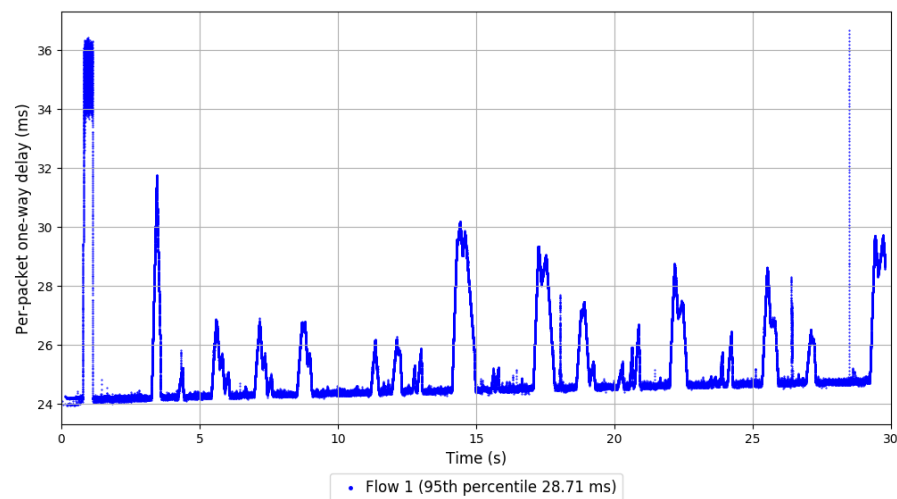
Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 48.58 Mbit/s) --- Flow 1 egress (mean 48.44 Mbit/s)

Flow 1 (95th percentile 25.43 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2017-10-10 20:22:26
End at: 2017-10-10 20:22:56
Local clock offset: 2.08 ms
Remote clock offset: 3.82 ms


# Below is generated by plot.py at 2017-10-10 23:52:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 30.627 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 30.627 ms
Loss rate: 0.17%
```

Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 62.27 Mbit/s)   Flow 1 egress (mean 62.27 Mbit/s)

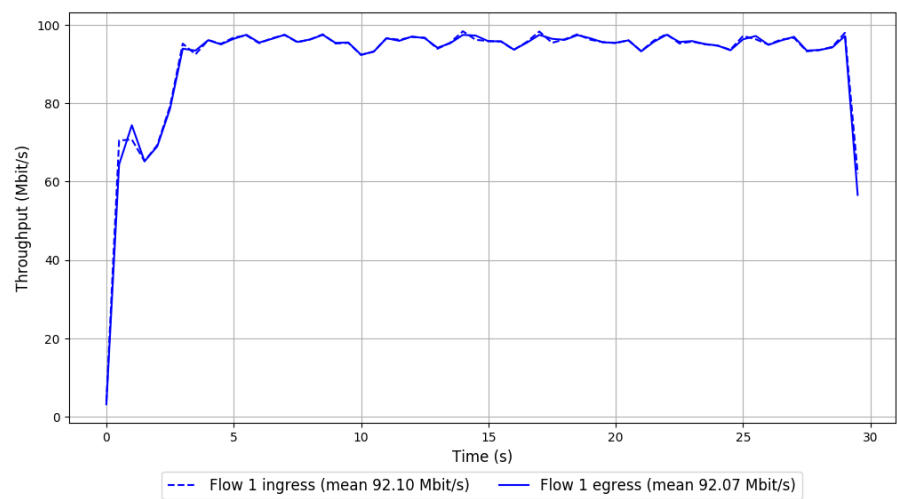Flow 1 (95th percentile 30.63 ms)

```
Run 1: Statistics of PCC

Start at: 2017-10-10 17:39:32
End at: 2017-10-10 17:40:02
Local clock offset: 9.561 ms
Remote clock offset: -1.506 ms

# Below is generated by plot.py at 2017-10-10 23:53:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.07 Mbit/s
95th percentile per-packet one-way delay: 28.706 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 92.07 Mbit/s
95th percentile per-packet one-way delay: 28.706 ms
Loss rate: 0.20%
```
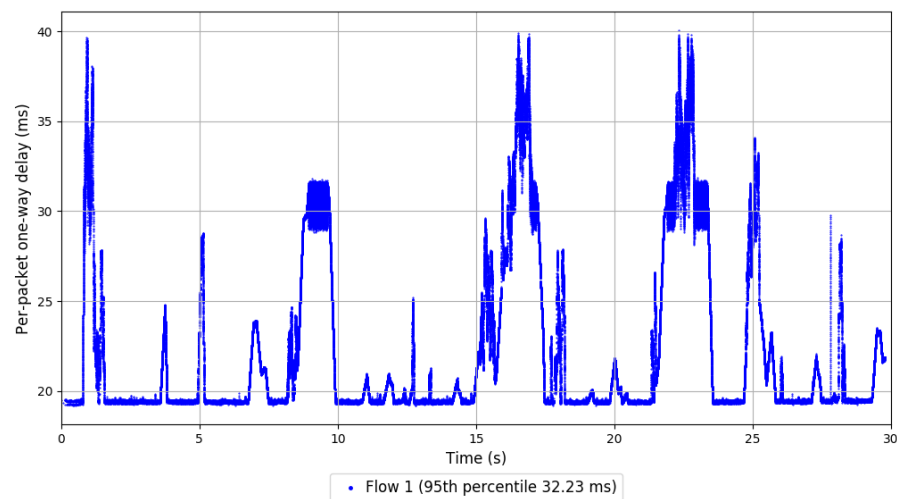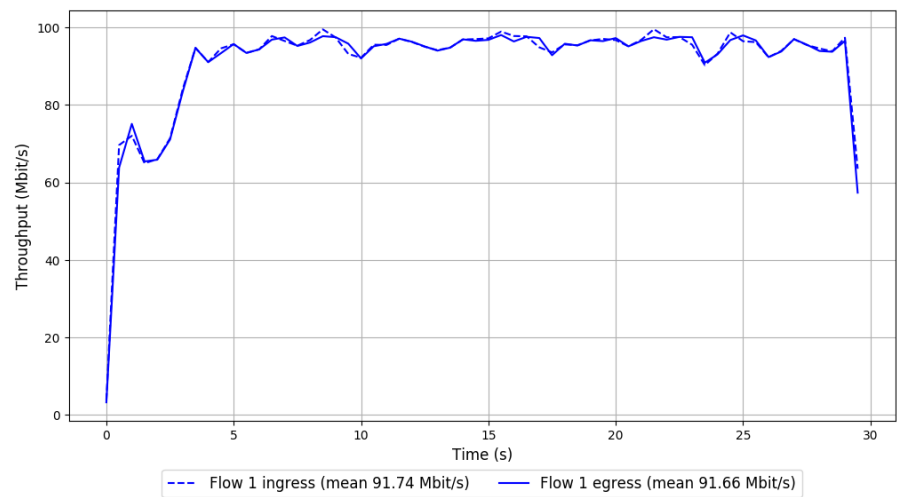
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 92.10 Mbit/s)   Flow 1 egress (mean 92.07 Mbit/s)

Flow 1 (95th percentile 28.71 ms)

65

```
Run 2: Statistics of PCC

Start at: 2017-10-10 17:58:10
End at: 2017-10-10 17:58:40
Local clock offset: 3.335 ms
Remote clock offset: 2.813 ms


# Below is generated by plot.py at 2017-10-10 23:53:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 32.228 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 91.66 Mbit/s
95th percentile per-packet one-way delay: 32.228 ms
Loss rate: 0.27%
```
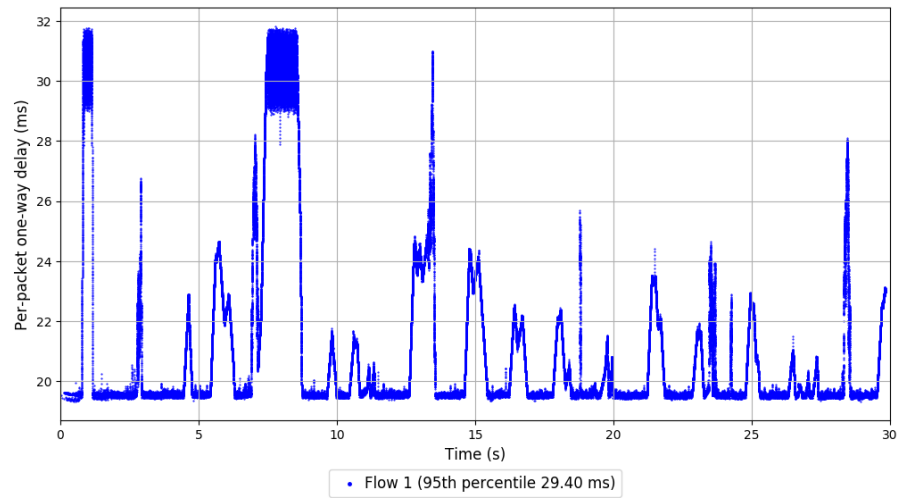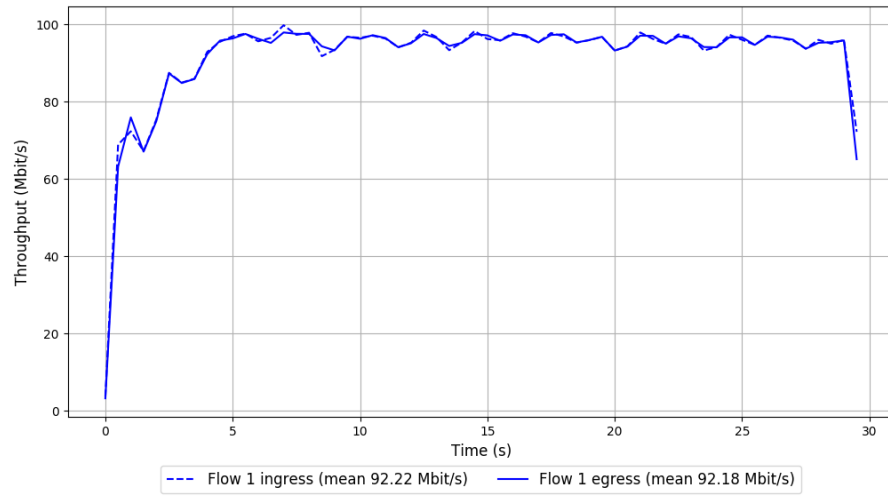
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 91.74 Mbit/s)   Flow 1 egress (mean 91.66 Mbit/s)

• Flow 1 (95th percentile 32.23 ms)

```
Run 3: Statistics of PCC

Start at: 2017-10-10 18:16:50
End at: 2017-10-10 18:17:20
Local clock offset: 2.79 ms
Remote clock offset: 3.088 ms


# Below is generated by plot.py at 2017-10-10 23:53:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 29.400 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 29.400 ms
Loss rate: 0.22%
```
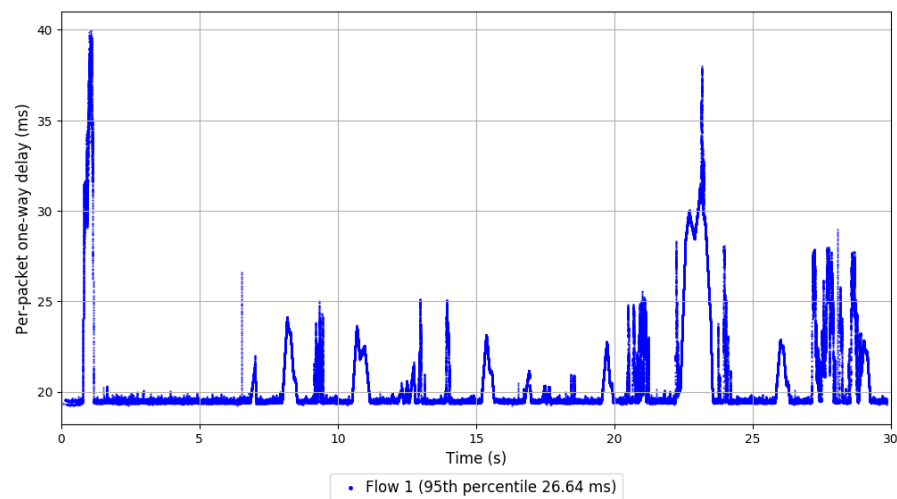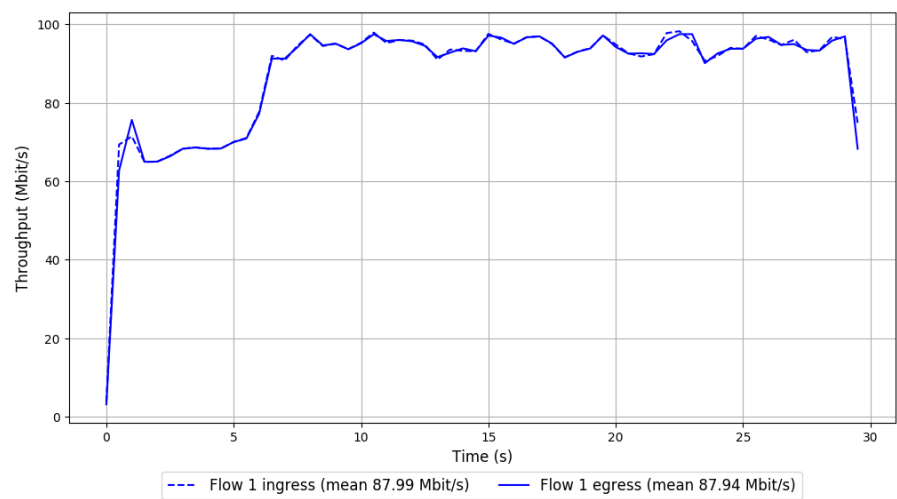
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 92.22 Mbit/s)   Flow 1 egress (mean 92.18 Mbit/s)

Flow 1 (95th percentile 29.40 ms)

```
Run 4: Statistics of PCC

Start at: 2017-10-10 18:35:31
End at: 2017-10-10 18:36:01
Local clock offset: 6.534 ms
Remote clock offset: 3.447 ms

# Below is generated by plot.py at 2017-10-10 23:53:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 26.641 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 87.94 Mbit/s
95th percentile per-packet one-way delay: 26.641 ms
Loss rate: 0.24%
```
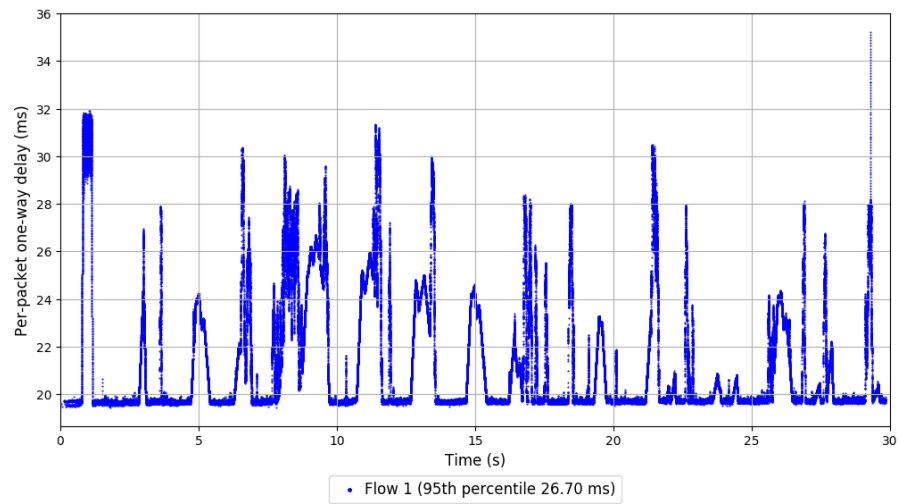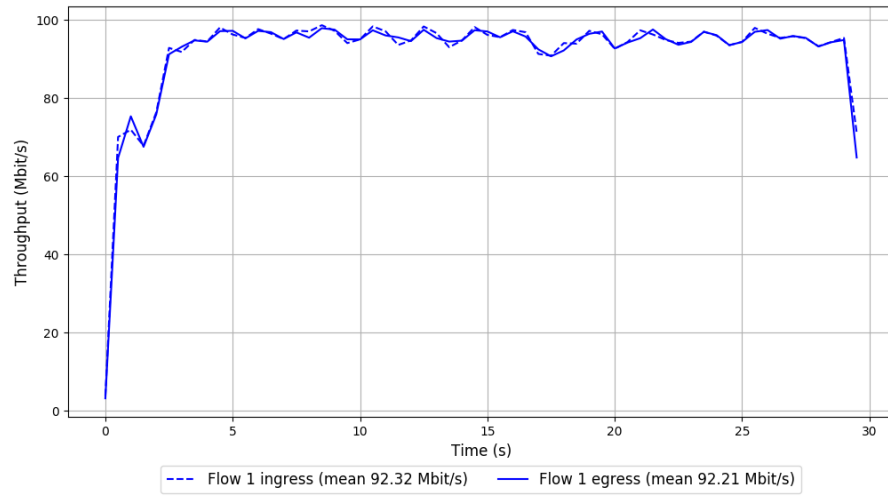
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 87.99 Mbit/s) --- Flow 1 egress (mean 87.94 Mbit/s)

• Flow 1 (95th percentile 26.64 ms)

71

```
Run 5: Statistics of PCC

Start at: 2017-10-10 18:54:32
End at: 2017-10-10 18:55:02
Local clock offset: 2.876 ms
Remote clock offset: 3.244 ms


# Below is generated by plot.py at 2017-10-10 23:53:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: 26.697 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 92.21 Mbit/s
95th percentile per-packet one-way delay: 26.697 ms
Loss rate: 0.29%
```

Run 5: Report of PCC — Data Link

```
Run 6: Statistics of PCC

Start at: 2017-10-10 19:13:37
End at: 2017-10-10 19:14:07
Local clock offset: 1.596 ms
Remote clock offset: 3.318 ms


# Below is generated by plot.py at 2017-10-10 23:53:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: 30.856 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 92.02 Mbit/s
95th percentile per-packet one-way delay: 30.856 ms
Loss rate: 0.28%
```
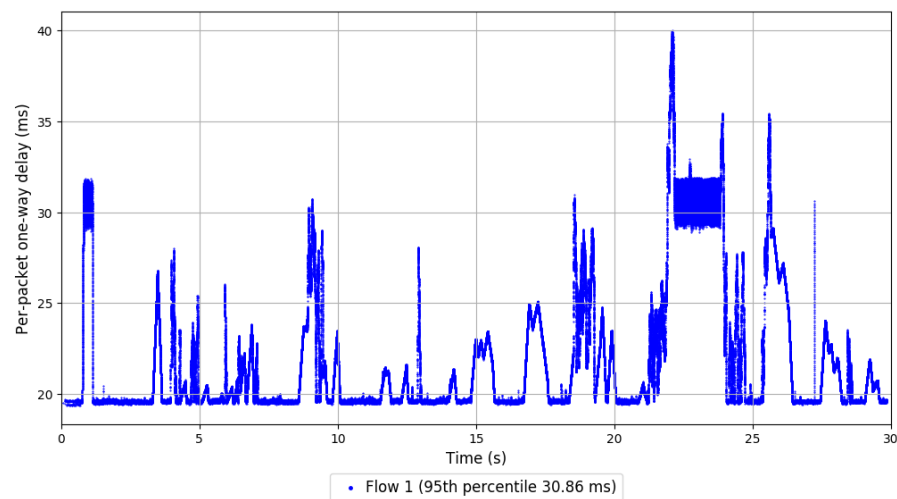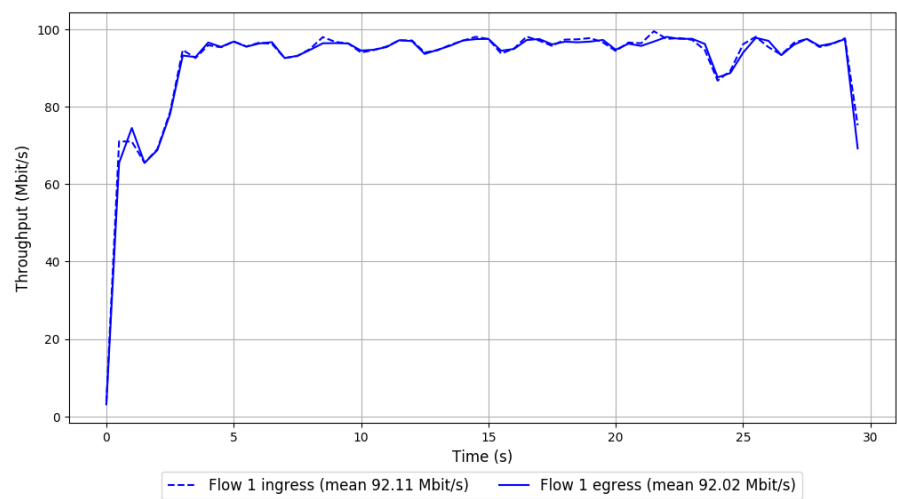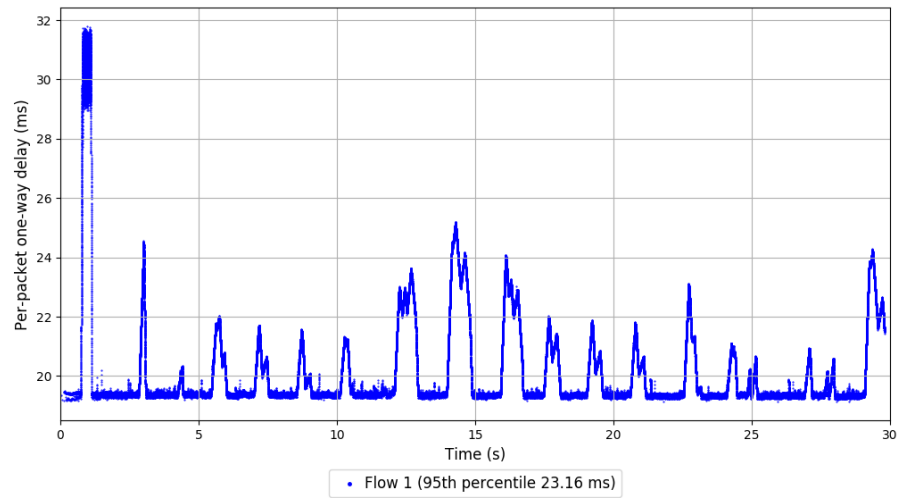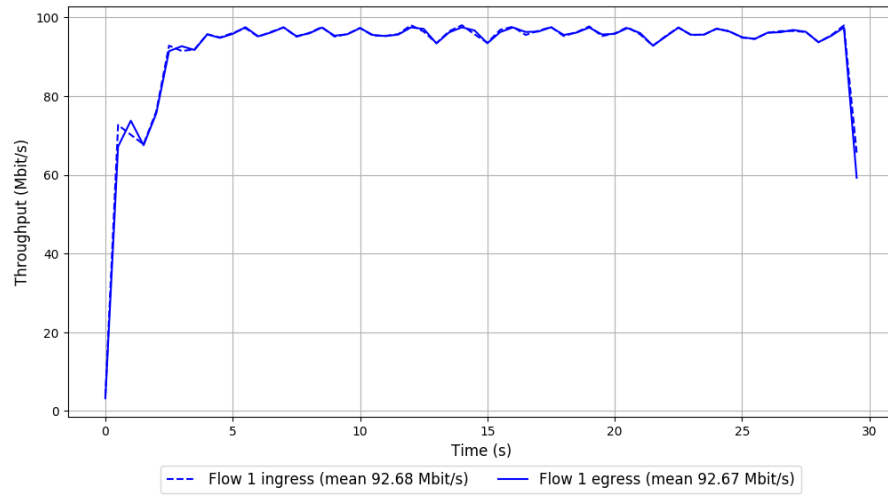
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 92.11 Mbit/s) --- Flow 1 egress (mean 92.02 Mbit/s)

Flow 1 (95th percentile 30.86 ms)

```
Run 7: Statistics of PCC

Start at: 2017-10-10 19:32:27
End at: 2017-10-10 19:32:57
Local clock offset: 2.496 ms
Remote clock offset: 3.441 ms


# Below is generated by plot.py at 2017-10-10 23:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 23.156 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 23.156 ms
Loss rate: 0.19%
```
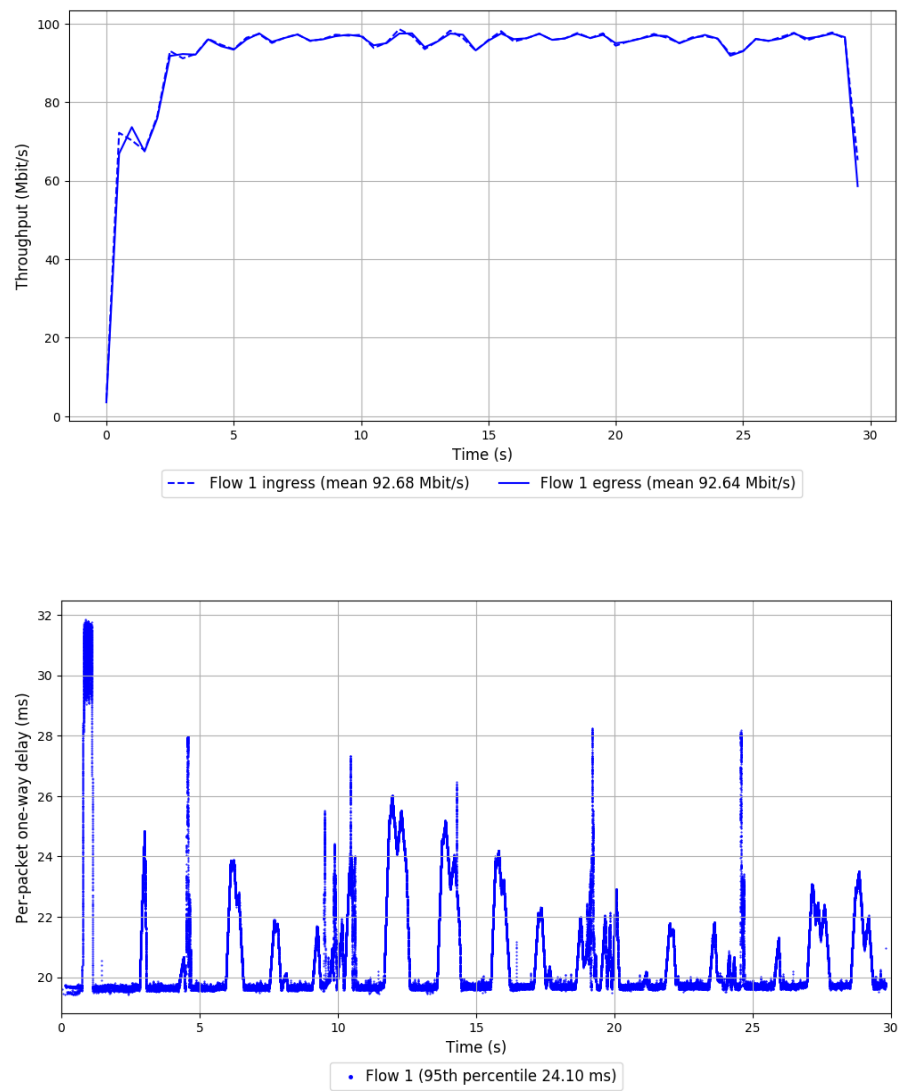
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 92.68 Mbit/s) — — — Flow 1 egress (mean 92.67 Mbit/s)

• Flow 1 (95th percentile 23.16 ms)

```
Run 8: Statistics of PCC

Start at: 2017-10-10 19:51:13
End at: 2017-10-10 19:51:43
Local clock offset: 1.686 ms
Remote clock offset: 3.565 ms


# Below is generated by plot.py at 2017-10-10 23:54:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 24.098 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 24.098 ms
Loss rate: 0.21%
```
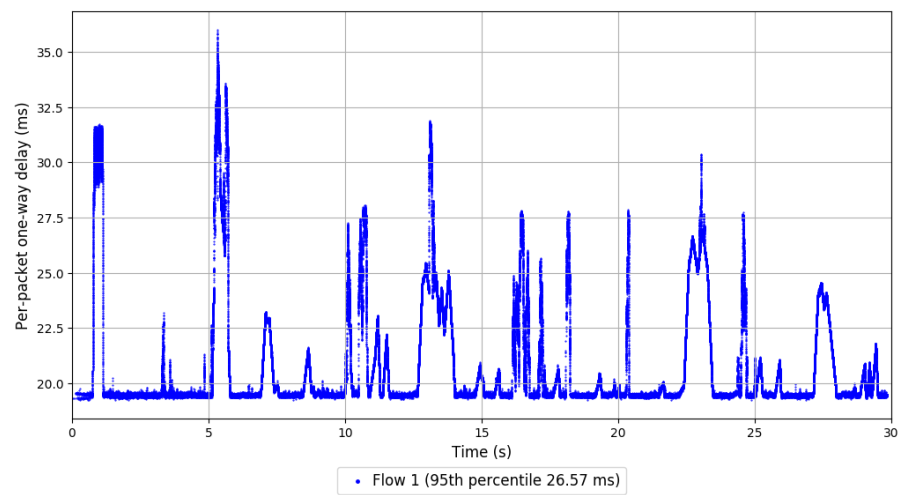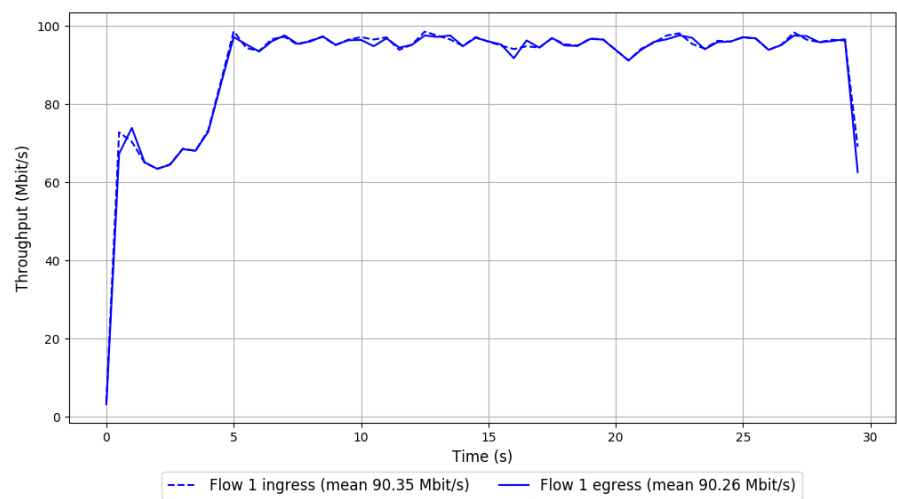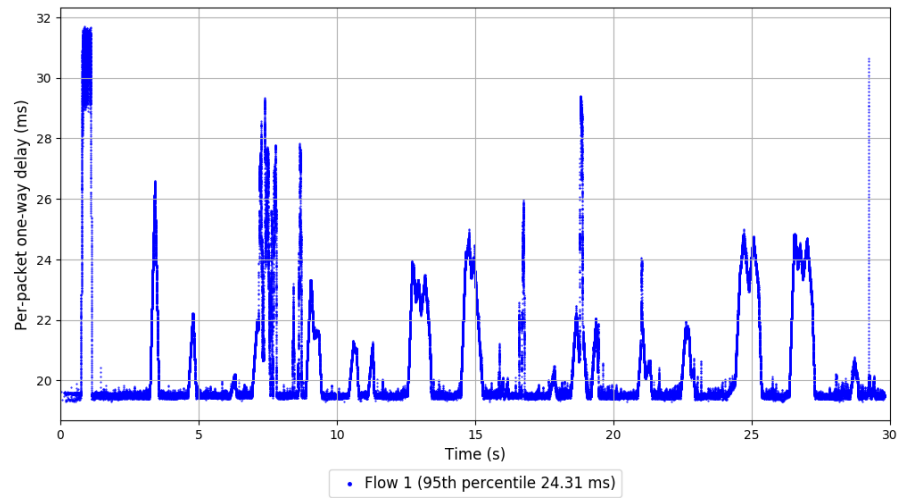
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 92.68 Mbit/s) — — — Flow 1 egress (mean 92.64 Mbit/s)

• Flow 1 (95th percentile 24.10 ms)

```
Run 9: Statistics of PCC

Start at: 2017-10-10 20:10:02
End at: 2017-10-10 20:10:32
Local clock offset: 1.357 ms
Remote clock offset: 3.772 ms


# Below is generated by plot.py at 2017-10-10 23:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 26.566 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 26.566 ms
Loss rate: 0.28%
```

Run 9: Report of PCC — Data Link

```
Run 10: Statistics of PCC

Start at: 2017-10-10 20:29:06
End at: 2017-10-10 20:29:36
Local clock offset: 2.517 ms
Remote clock offset: 3.766 ms


# Below is generated by plot.py at 2017-10-10 23:54:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 24.308 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 92.14 Mbit/s
95th percentile per-packet one-way delay: 24.308 ms
Loss rate: 0.20%
```
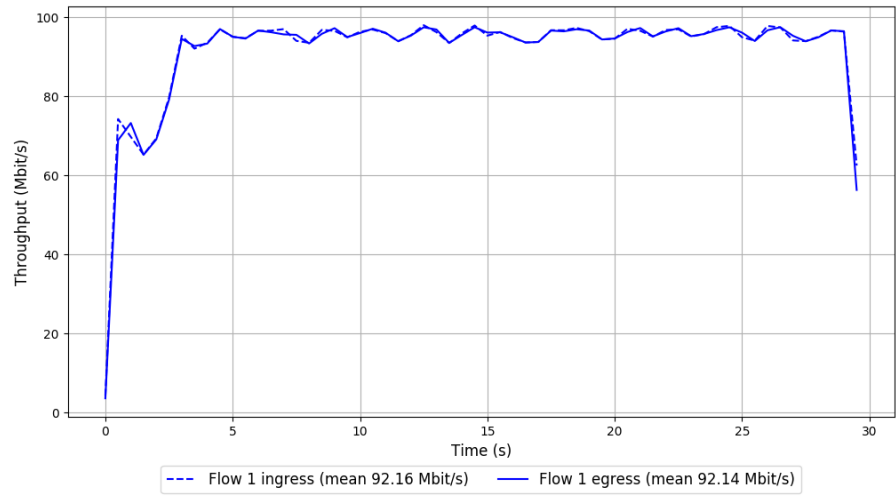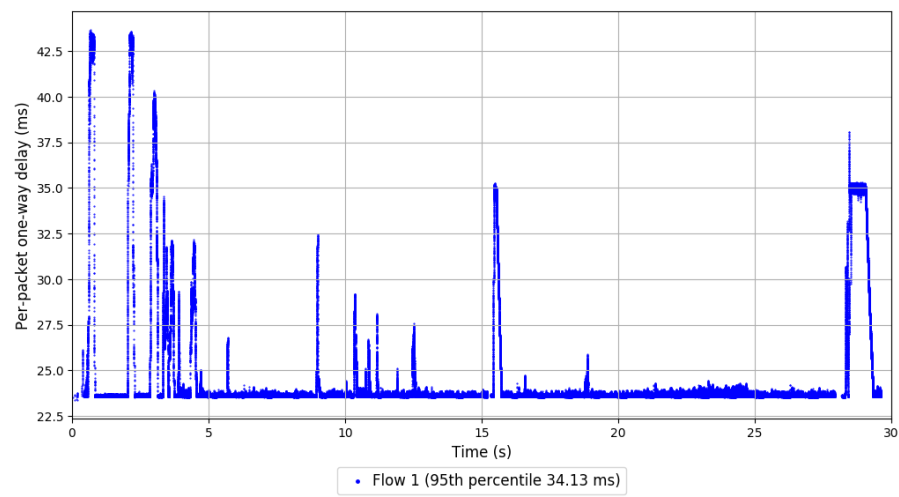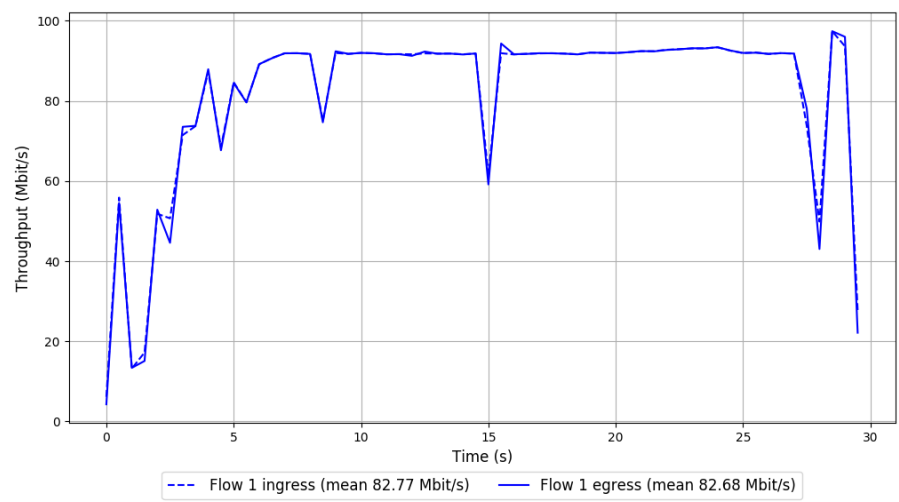
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 92.16 Mbit/s)   Flow 1 egress (mean 92.14 Mbit/s)

Flow 1 (95th percentile 24.31 ms)

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-10-10 17:47:33
End at: 2017-10-10 17:48:03
Local clock offset: 4.806 ms
Remote clock offset: -1.425 ms


# Below is generated by plot.py at 2017-10-10 23:54:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.68 Mbit/s
95th percentile per-packet one-way delay: 34.129 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 82.68 Mbit/s
95th percentile per-packet one-way delay: 34.129 ms
Loss rate: 0.29%
```
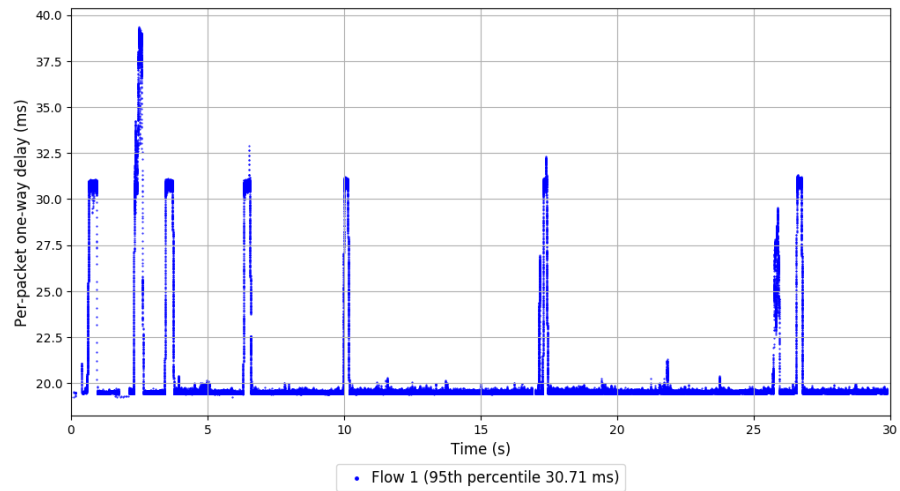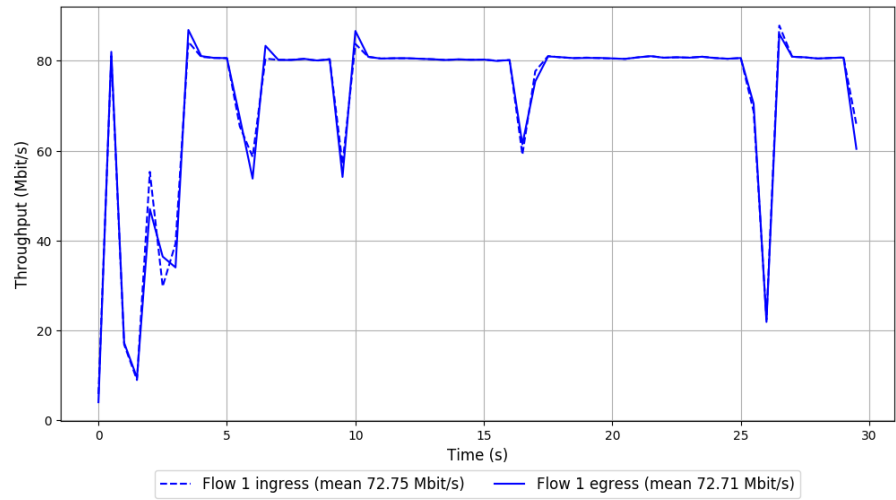
Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2017-10-10 18:06:13
End at: 2017-10-10 18:06:44
Local clock offset: 1.835 ms
Remote clock offset: 2.88 ms


# Below is generated by plot.py at 2017-10-10 23:54:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.71 Mbit/s
95th percentile per-packet one-way delay: 30.709 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 72.71 Mbit/s
95th percentile per-packet one-way delay: 30.709 ms
Loss rate: 0.23%
```

Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2017-10-10 18:24:53
End at: 2017-10-10 18:25:23
Local clock offset: 4.302 ms
Remote clock offset: 3.308 ms


# Below is generated by plot.py at 2017-10-10 23:54:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 32.818 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 80.83 Mbit/s
95th percentile per-packet one-way delay: 32.818 ms
Loss rate: 0.26%
```
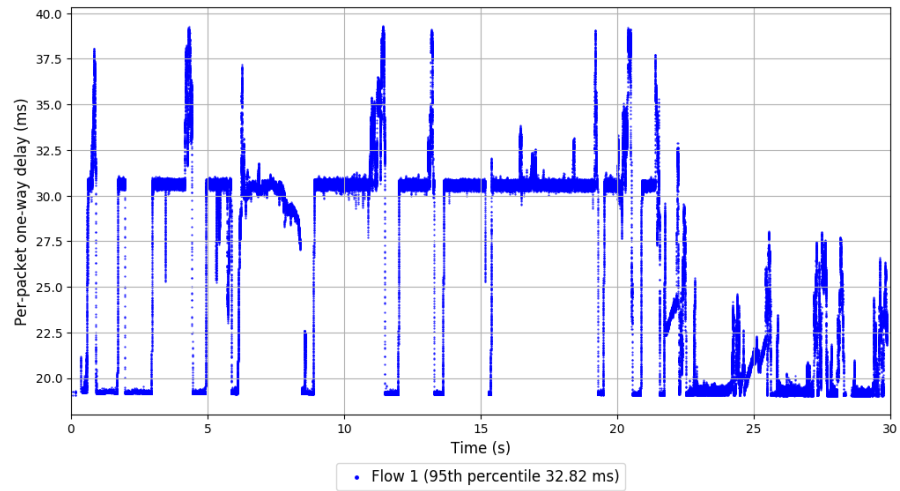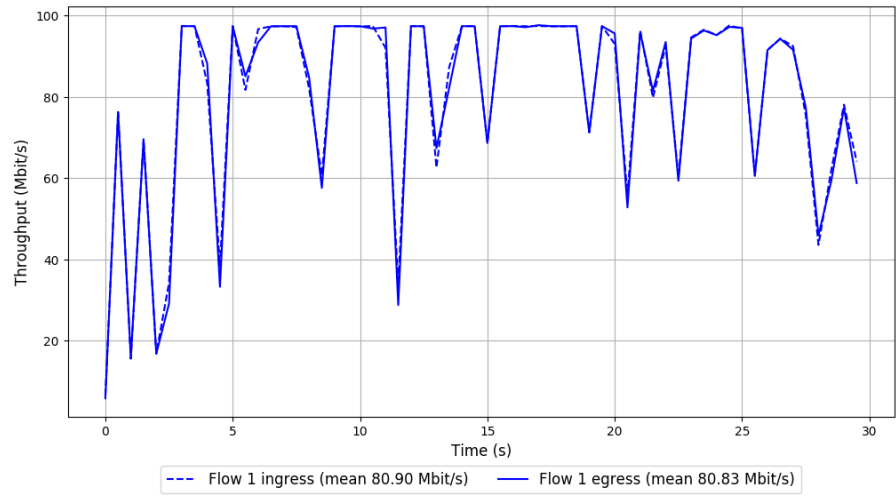
Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-10-10 18:43:43
End at: 2017-10-10 18:44:13
Local clock offset: 5.102 ms
Remote clock offset: 3.531 ms


# Below is generated by plot.py at 2017-10-10 23:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 31.436 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 83.85 Mbit/s
95th percentile per-packet one-way delay: 31.436 ms
Loss rate: 0.27%
```
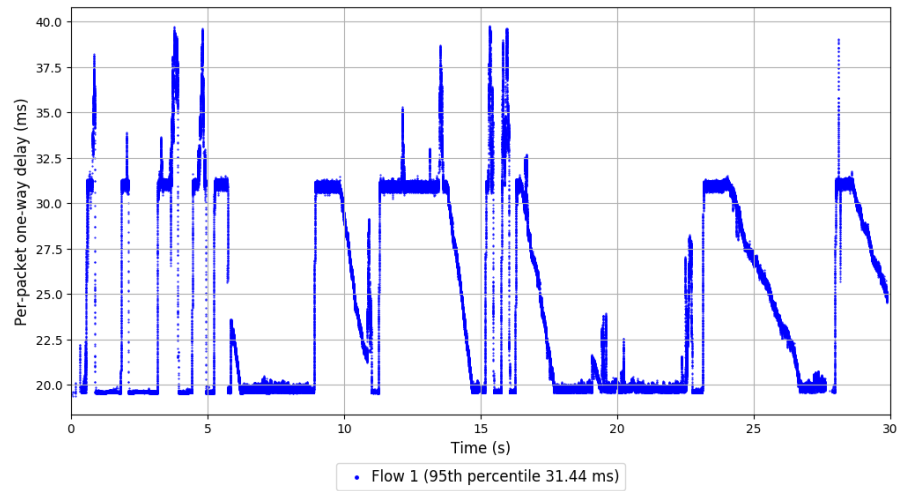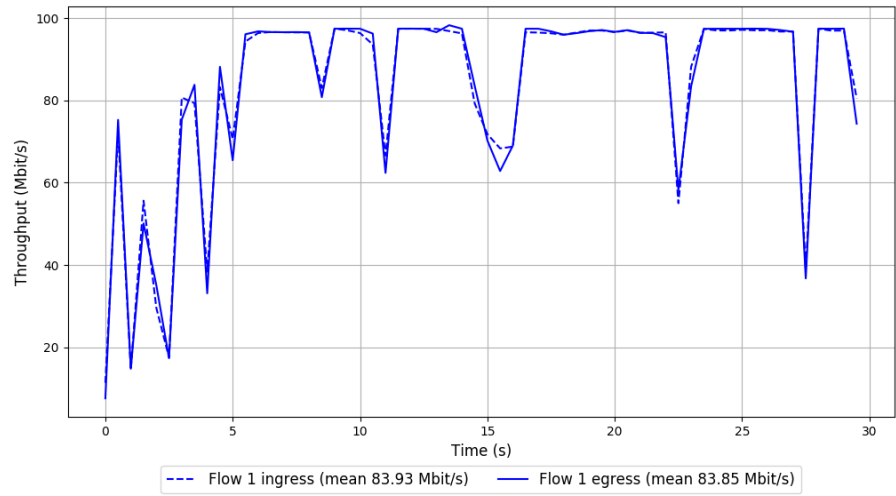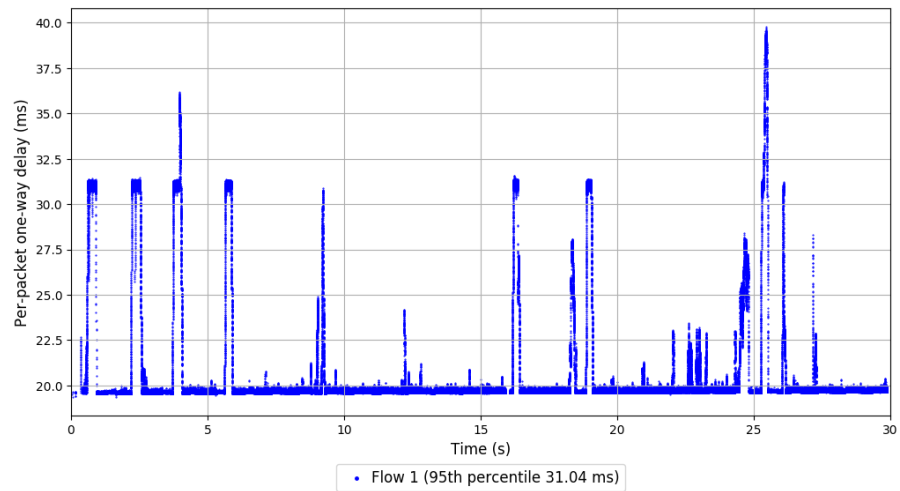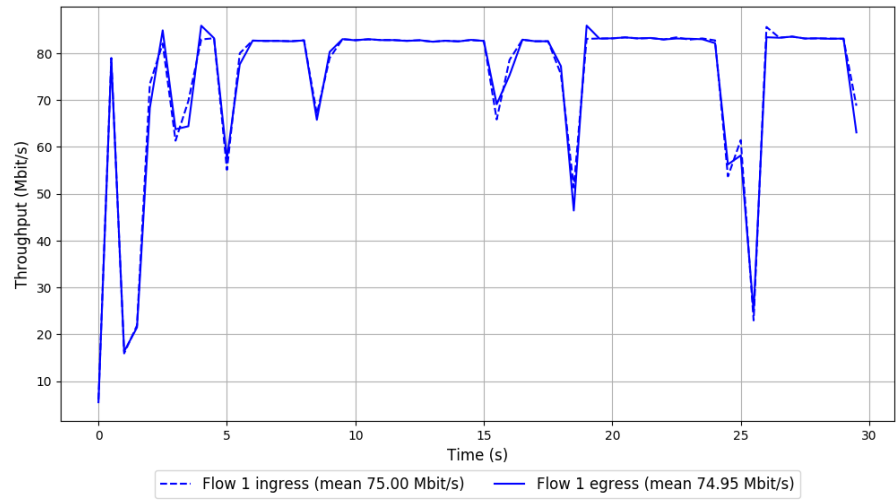
Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: 2017-10-10 19:02:51
End at: 2017-10-10 19:03:21
Local clock offset: 2.097 ms
Remote clock offset: 3.269 ms


# Below is generated by plot.py at 2017-10-10 23:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.95 Mbit/s
95th percentile per-packet one-way delay: 31.036 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 74.95 Mbit/s
95th percentile per-packet one-way delay: 31.036 ms
Loss rate: 0.25%
```

Run 5: Report of QUIC Cubic — Data Link

```
Run 6: Statistics of QUIC Cubic

Start at: 2017-10-10 19:21:46
End at: 2017-10-10 19:22:16
Local clock offset: 1.67 ms
Remote clock offset: 3.417 ms


# Below is generated by plot.py at 2017-10-10 23:55:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.97 Mbit/s
95th percentile per-packet one-way delay: 30.620 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 69.97 Mbit/s
95th percentile per-packet one-way delay: 30.620 ms
Loss rate: 0.21%
```
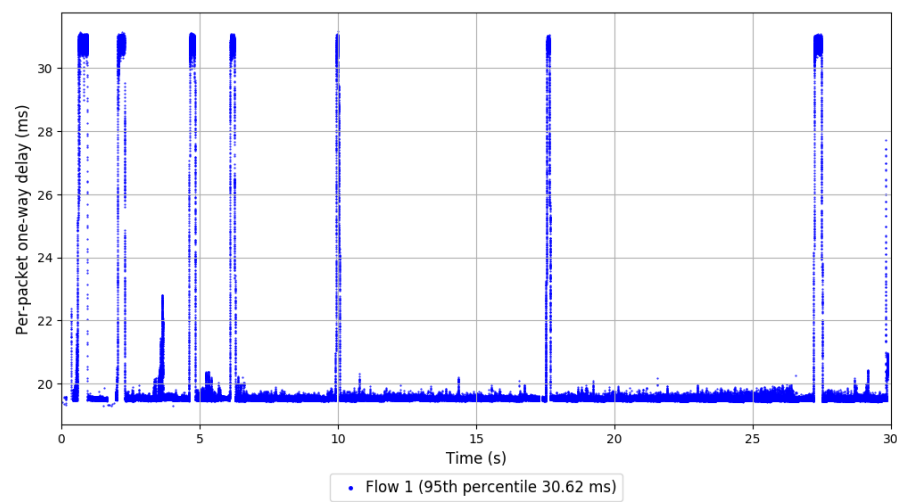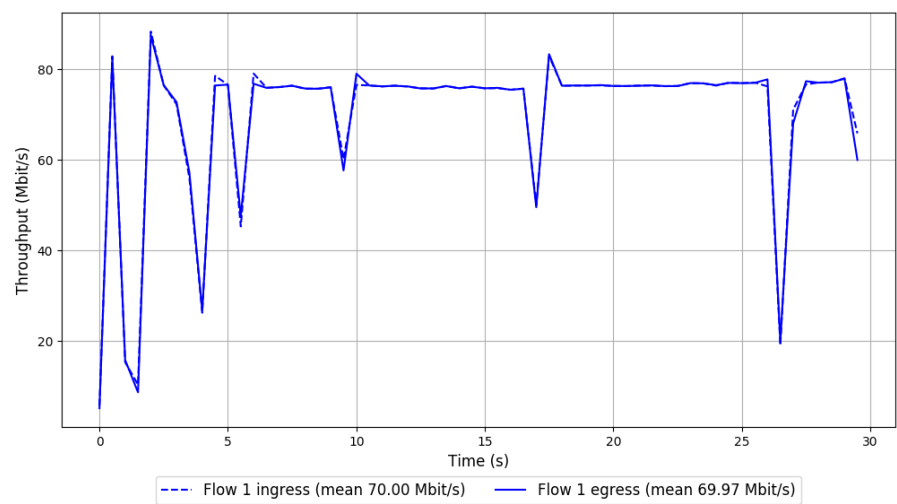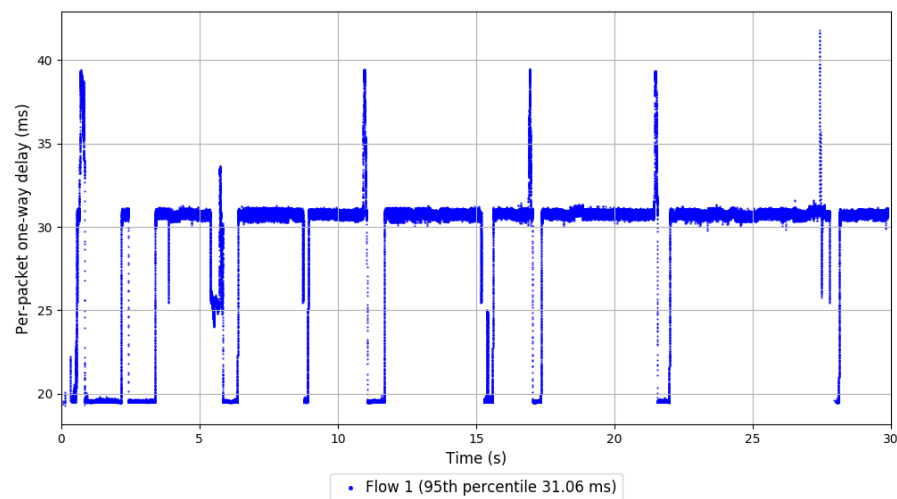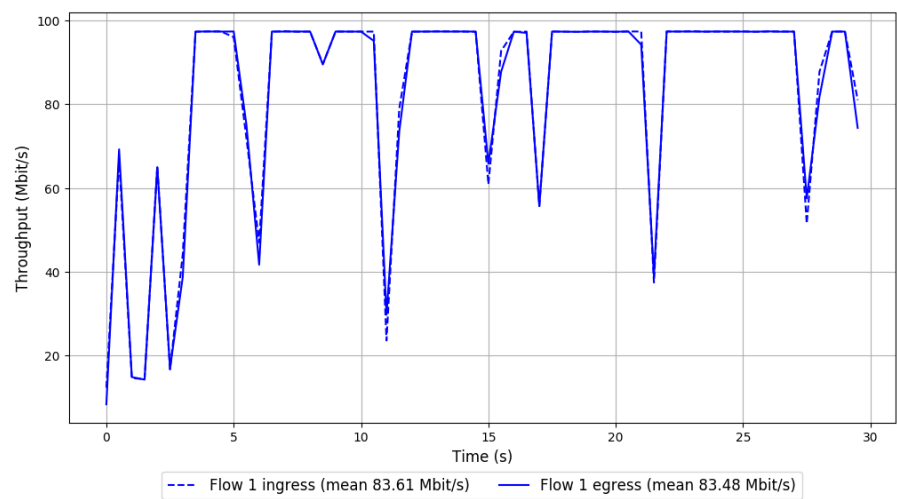
Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 70.00 Mbit/s)   Flow 1 egress (mean 69.97 Mbit/s)

• Flow 1 (95th percentile 30.62 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-10-10 19:40:36
End at: 2017-10-10 19:41:06
Local clock offset: 2.508 ms
Remote clock offset: 3.52 ms


# Below is generated by plot.py at 2017-10-10 23:56:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 31.064 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 31.064 ms
Loss rate: 0.36%
```
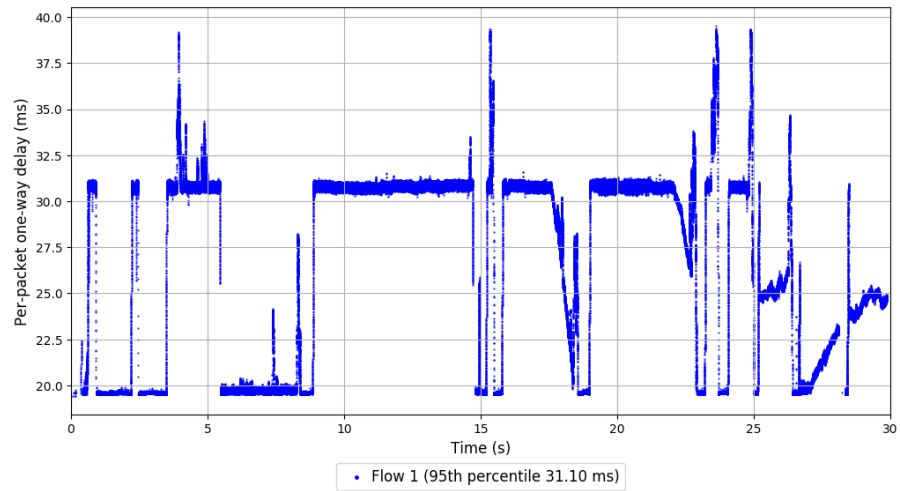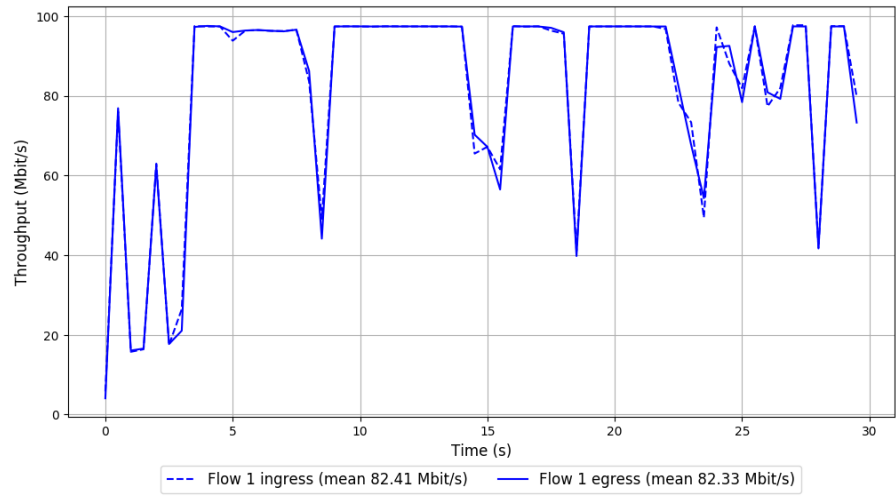
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 83.61 Mbit/s) --- Flow 1 egress (mean 83.48 Mbit/s)

Flow 1 (95th percentile 31.06 ms)

97

```
Run 8: Statistics of QUIC Cubic

Start at: 2017-10-10 19:59:22
End at: 2017-10-10 19:59:52
Local clock offset: 1.16 ms
Remote clock offset: 3.663 ms


# Below is generated by plot.py at 2017-10-10 23:56:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.33 Mbit/s
95th percentile per-packet one-way delay: 31.098 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 82.33 Mbit/s
95th percentile per-packet one-way delay: 31.098 ms
Loss rate: 0.27%
```
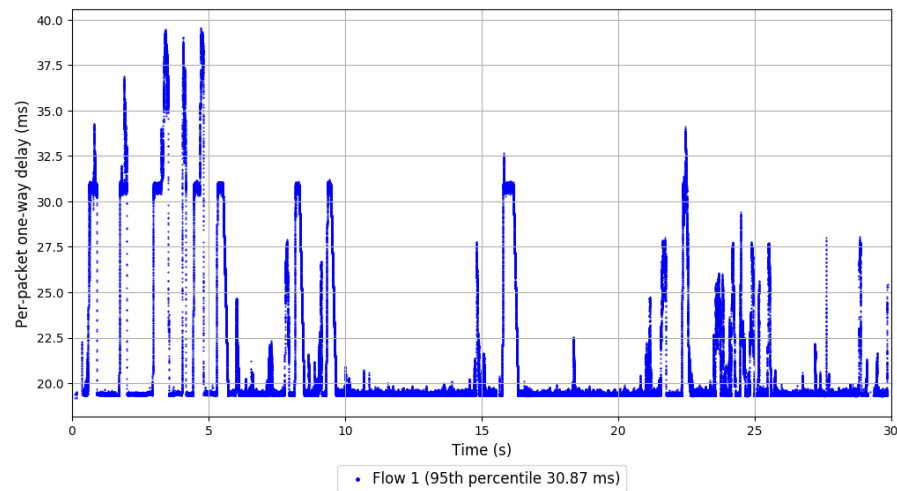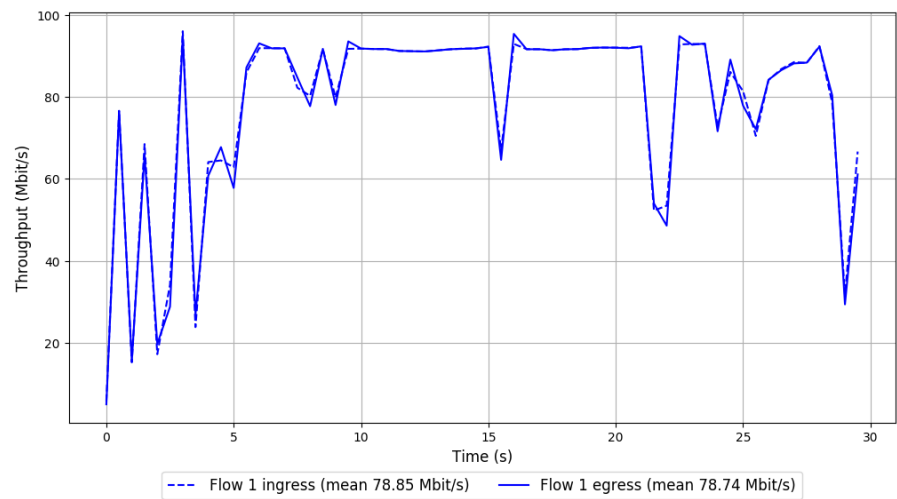
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 82.41 Mbit/s)   Flow 1 egress (mean 82.33 Mbit/s)

Flow 1 (95th percentile 31.10 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-10-10 20:18:22
End at: 2017-10-10 20:18:52
Local clock offset: 1.77 ms
Remote clock offset: 3.811 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 30.868 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 30.868 ms
Loss rate: 0.31%
```
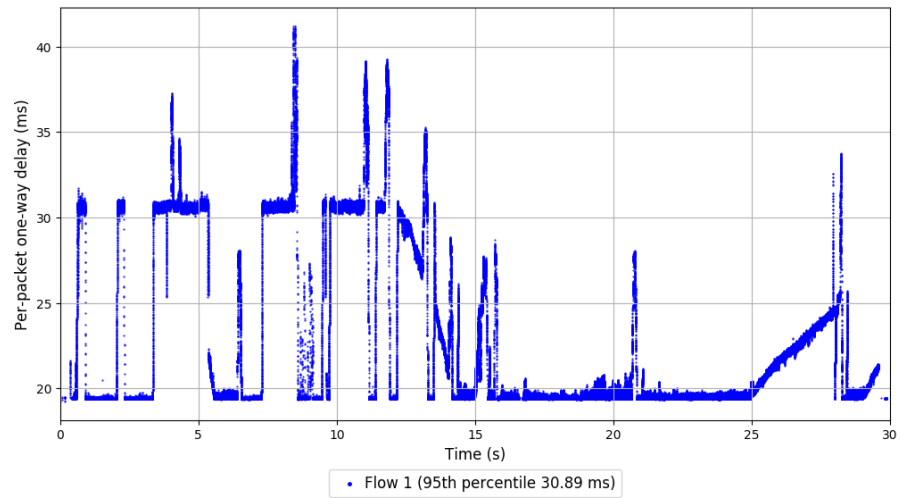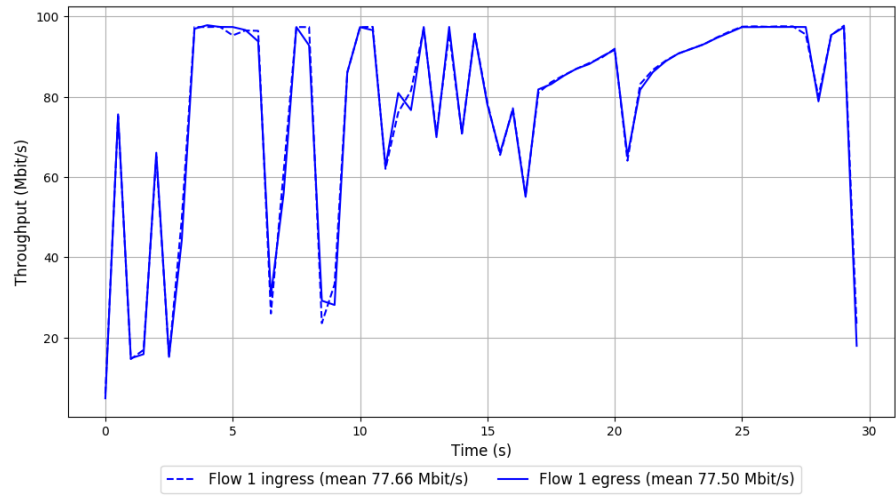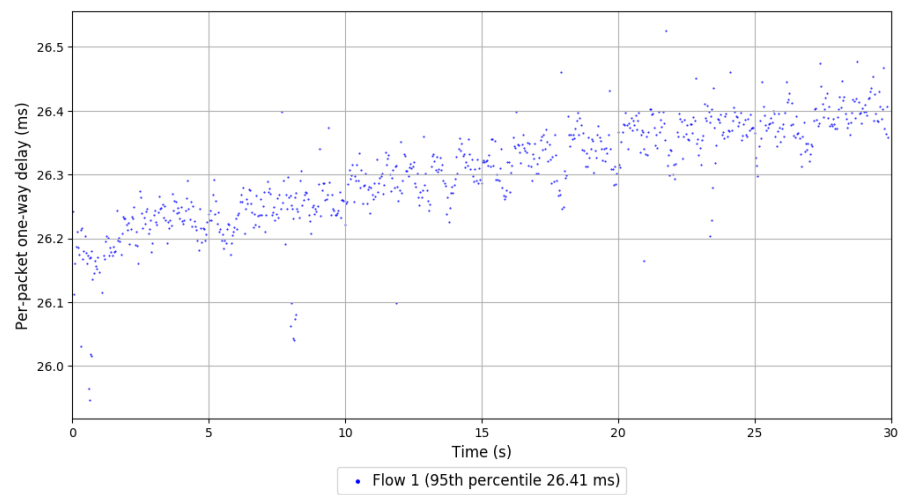
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 78.85 Mbit/s)   Flow 1 egress (mean 78.74 Mbit/s)

Flow 1 (95th percentile 30.87 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-10-10 20:37:15
End at: 2017-10-10 20:37:45
Local clock offset: 2.643 ms
Remote clock offset: 3.86 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 30.886 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 77.50 Mbit/s
95th percentile per-packet one-way delay: 30.886 ms
Loss rate: 0.39%
```

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 77.66 Mbit/s) ----   Flow 1 egress (mean 77.50 Mbit/s) ——
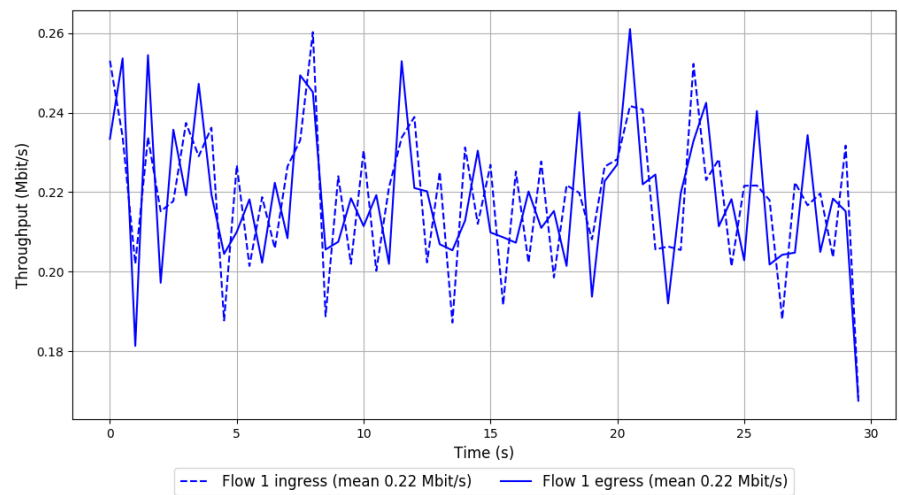

Flow 1 (95th percentile 30.89 ms)

```
Run 1: Statistics of SCReAM

Start at: 2017-10-10 17:34:13
End at: 2017-10-10 17:34:43
Local clock offset: 12.915 ms
Remote clock offset: -3.515 ms

# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.406 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.406 ms
Loss rate: 0.13%
```
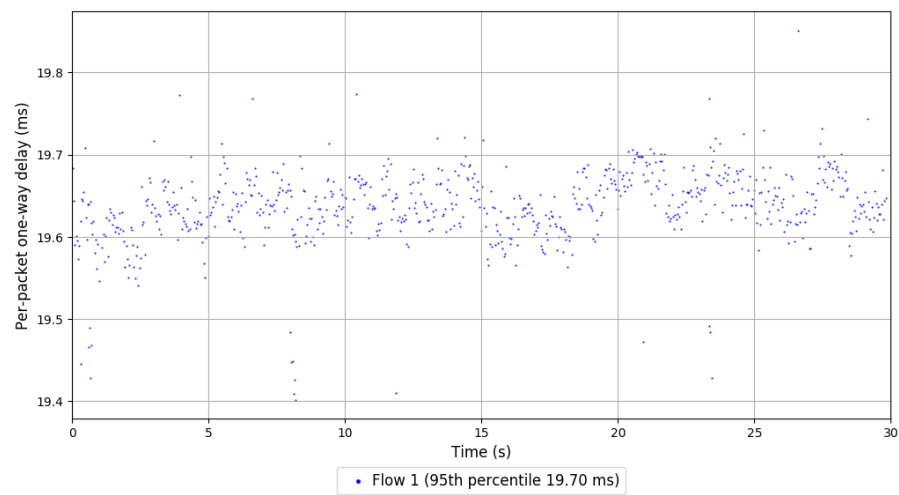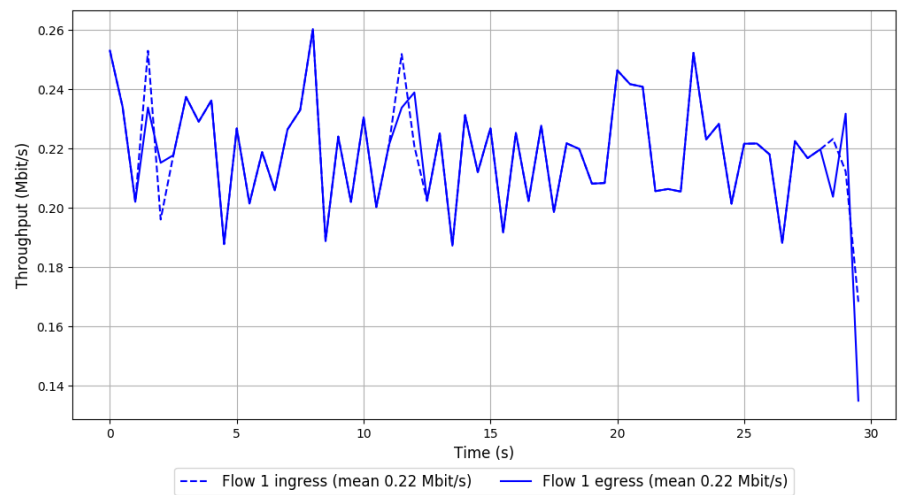
Run 1: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 26.41 ms)

```
Run 2: Statistics of SCReAM

Start at: 2017-10-10 17:52:55
End at: 2017-10-10 17:53:26
Local clock offset: 4.671 ms
Remote clock offset: 2.699 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.697 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.697 ms
Loss rate: 0.25%
```
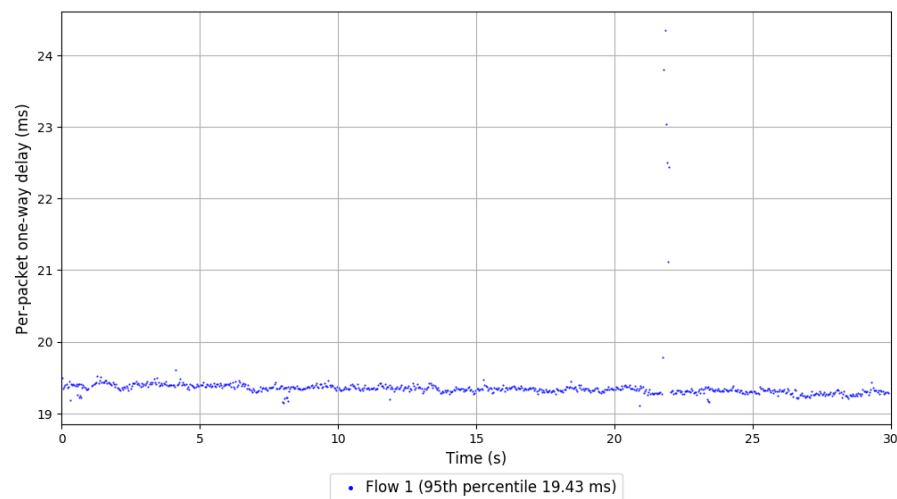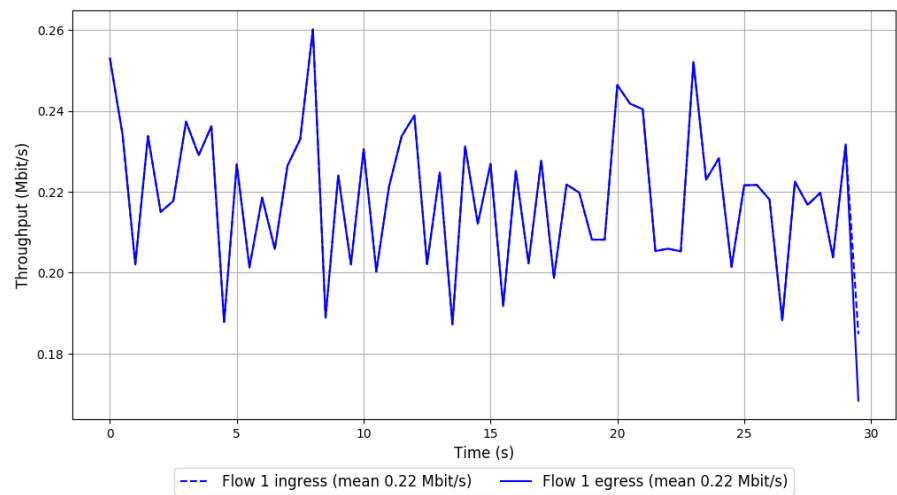
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2017-10-10 18:11:34
End at: 2017-10-10 18:12:04
Local clock offset: 2.463 ms
Remote clock offset: 2.999 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.13%
```
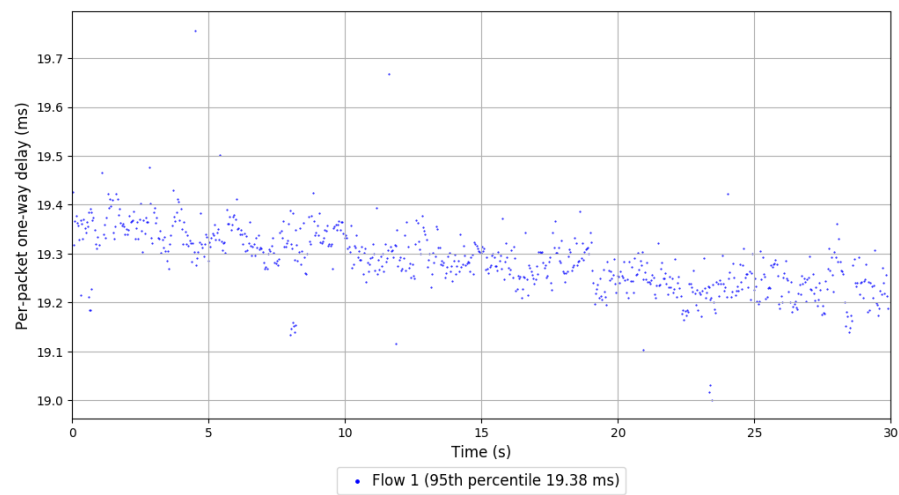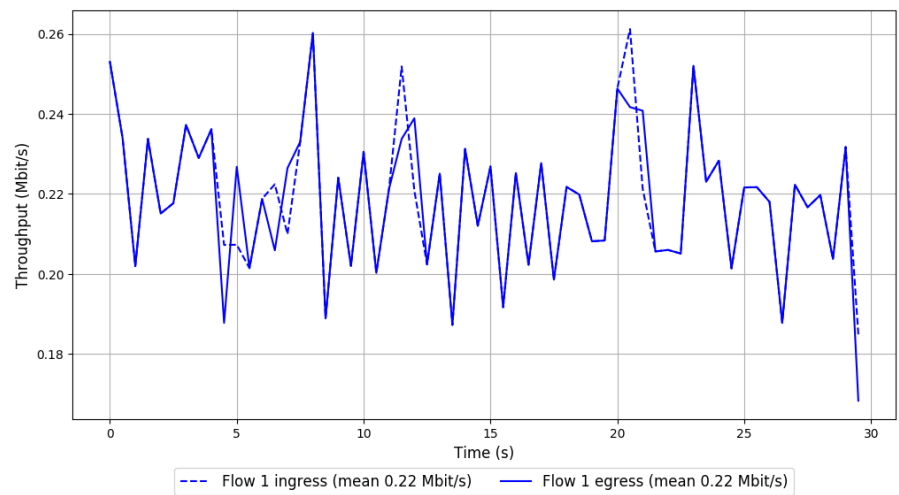
Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: 2017-10-10 18:30:17
End at: 2017-10-10 18:30:48
Local clock offset: 6.185 ms
Remote clock offset: 3.412 ms

# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 0.13%
```
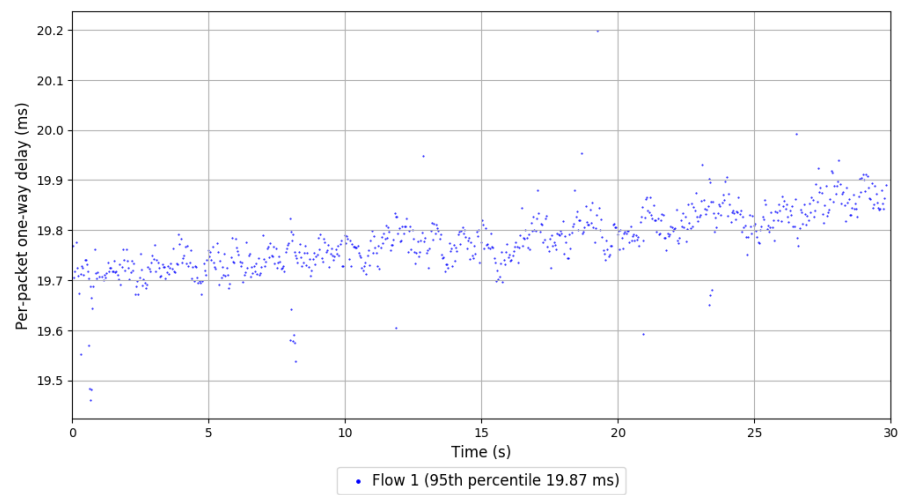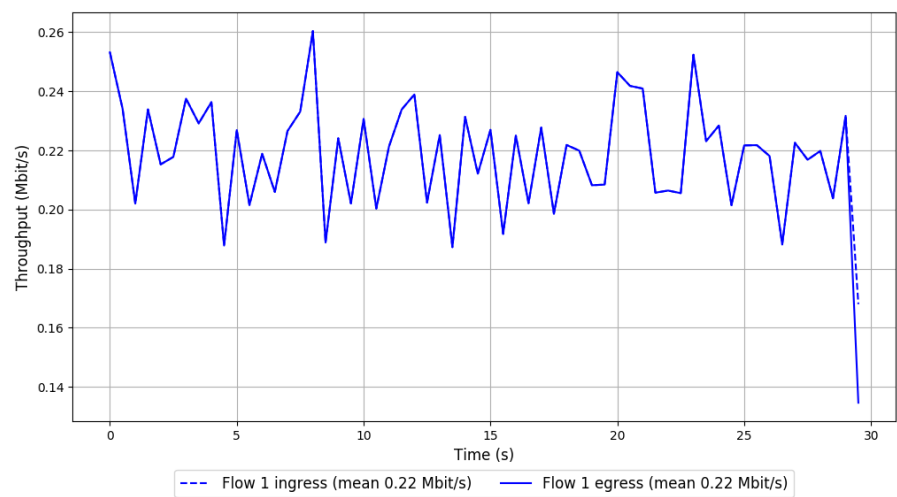
Run 4: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 19.38 ms)

```
Run 5: Statistics of SCReAM

Start at: 2017-10-10 18:49:16
End at: 2017-10-10 18:49:46
Local clock offset: 4.444 ms
Remote clock offset: 3.507 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.874 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.874 ms
Loss rate: 0.25%
```
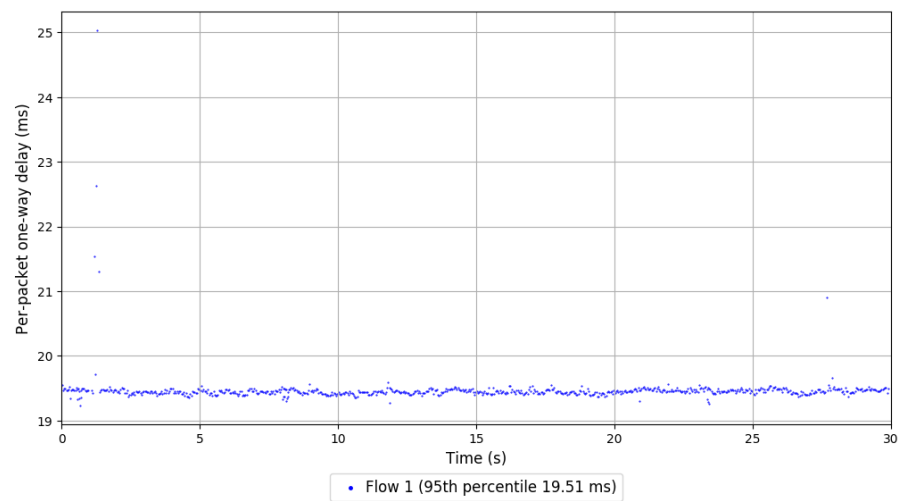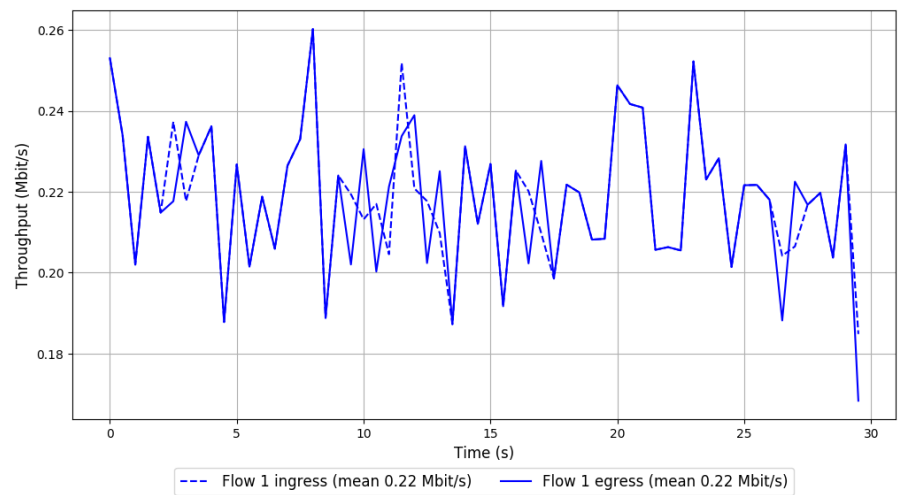
Run 5: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 19.87 ms)

113

```
Run 6: Statistics of SCReAM

Start at: 2017-10-10 19:08:22
End at: 2017-10-10 19:08:52
Local clock offset: 1.611 ms
Remote clock offset: 3.384 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.510 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.510 ms
Loss rate: 0.13%
```
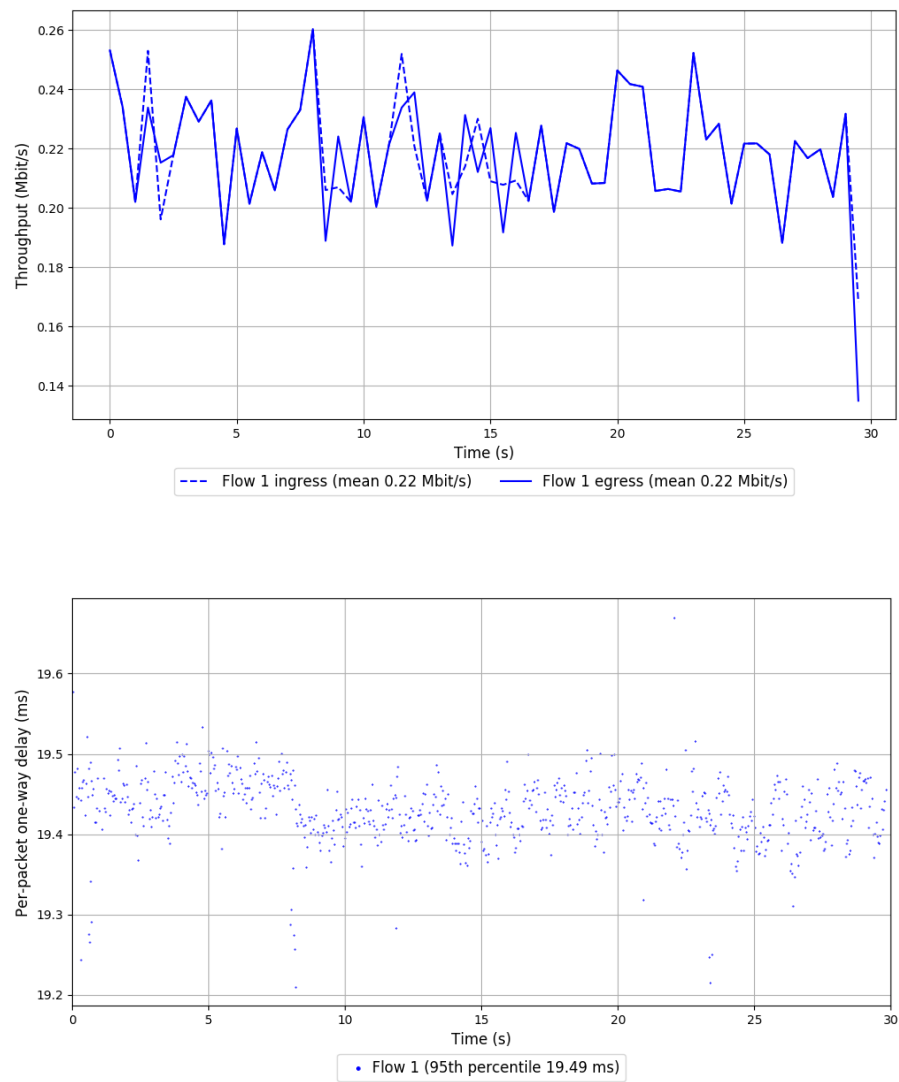
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 19.51 ms)

```
Run 7: Statistics of SCReAM

Start at: 2017-10-10 19:27:11
End at: 2017-10-10 19:27:41
Local clock offset: 1.954 ms
Remote clock offset: 3.464 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.489 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.489 ms
Loss rate: 0.25%
```
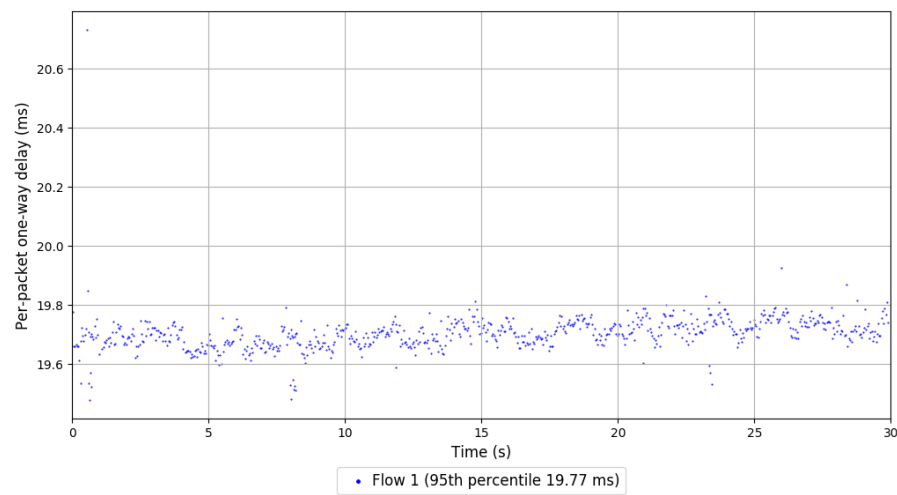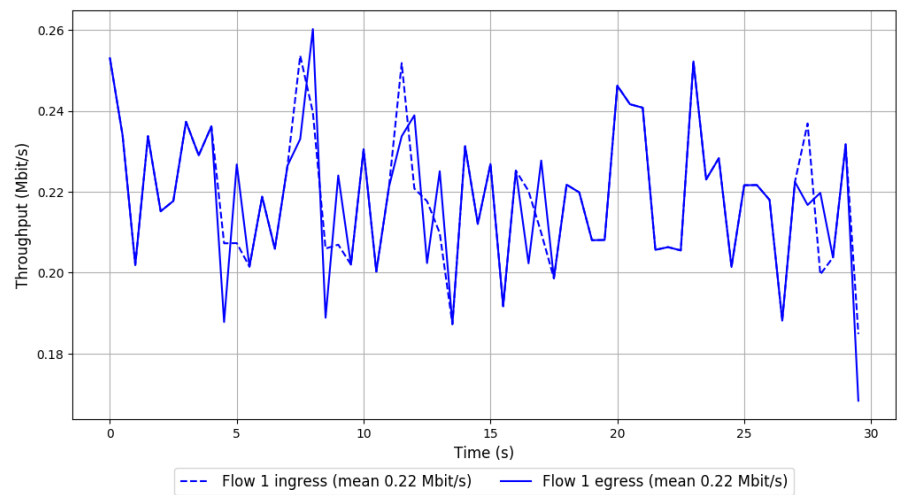
Run 7: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 19.49 ms)

```
Run 8: Statistics of SCReAM

Start at: 2017-10-10 19:45:57
End at: 2017-10-10 19:46:27
Local clock offset: 2.376 ms
Remote clock offset: 3.53 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.771 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.771 ms
Loss rate: 0.13%
```
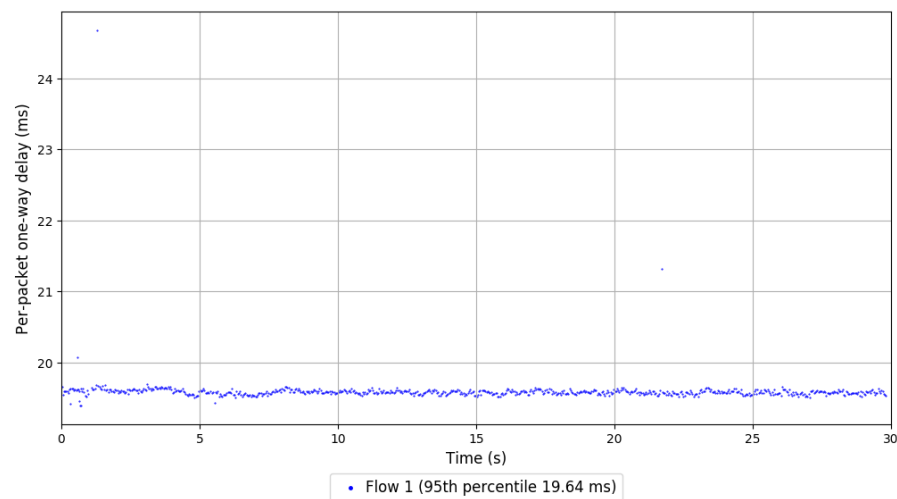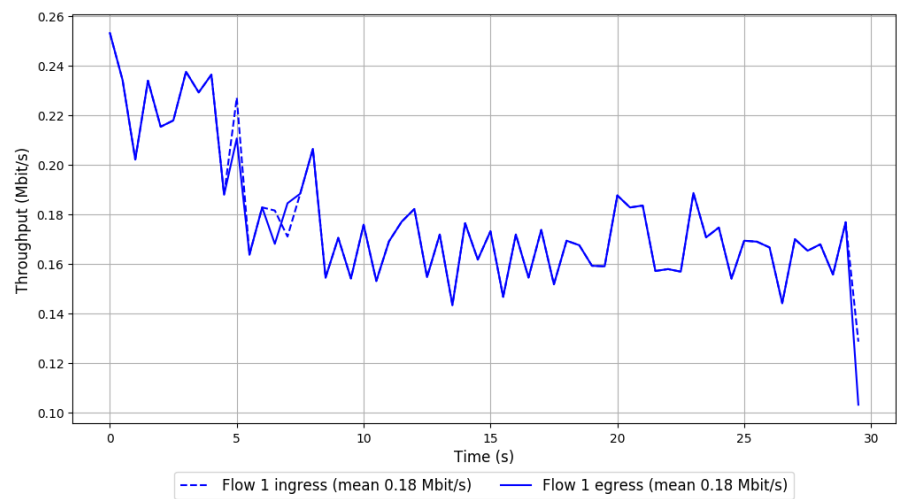
Run 8: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 19.77 ms)

119

```
Run 9: Statistics of SCReAM

Start at: 2017-10-10 20:04:43
End at: 2017-10-10 20:05:14
Local clock offset: 1.248 ms
Remote clock offset: 3.707 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 19.639 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 19.639 ms
Loss rate: 0.39%
```
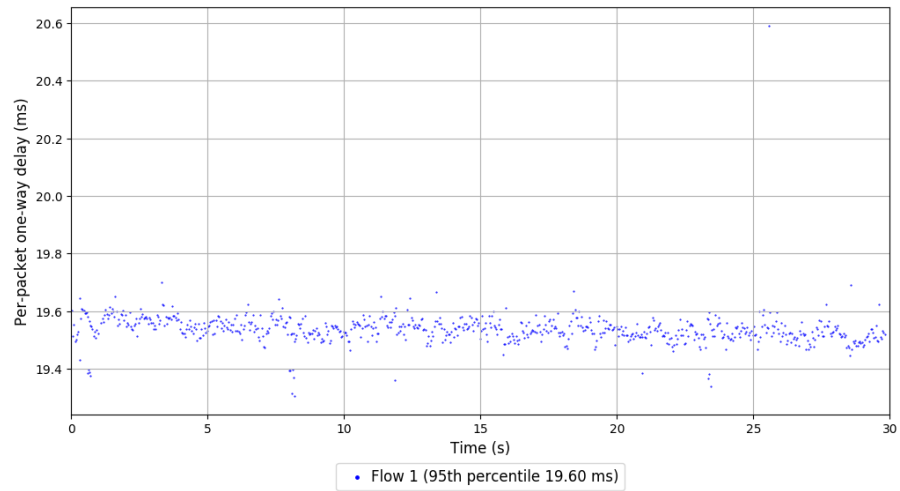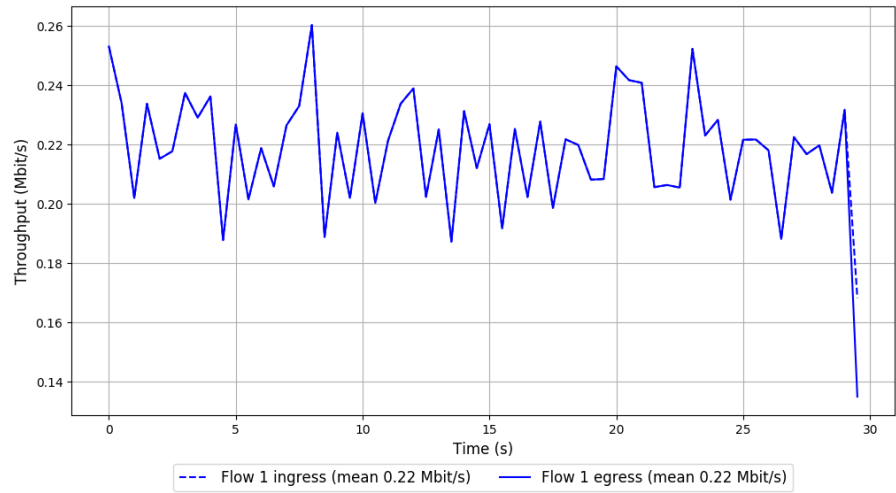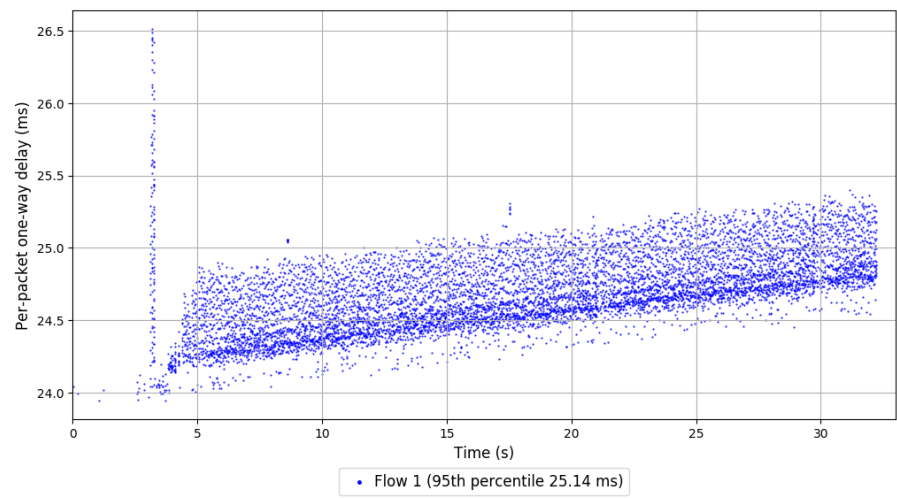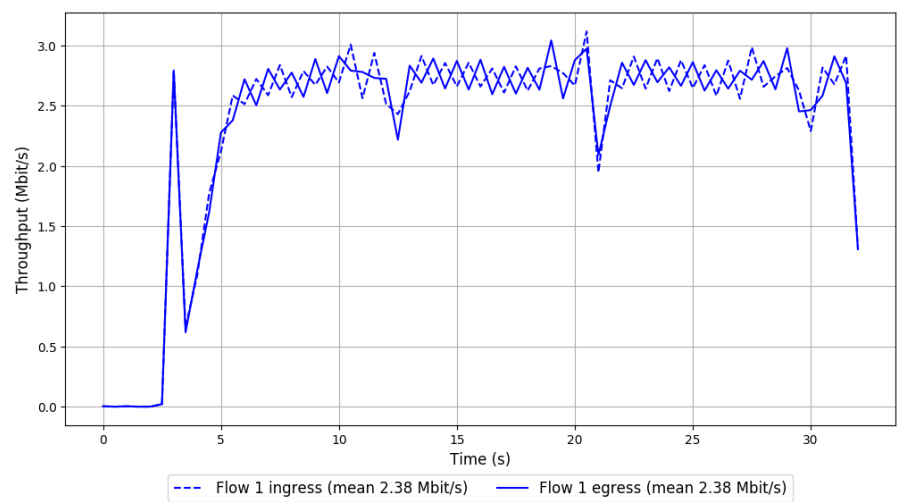
Run 9: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.18 Mbit/s) — Flow 1 egress (mean 0.18 Mbit/s)

Flow 1 (95th percentile 19.64 ms)

121

```
Run 10: Statistics of SCReAM

Start at: 2017-10-10 20:23:47
End at: 2017-10-10 20:24:17
Local clock offset: 2.19 ms
Remote clock offset: 3.786 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.597 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.597 ms
Loss rate: 0.25%
```

Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2017-10-10 17:38:16
End at: 2017-10-10 17:38:46
Local clock offset: 11.561 ms
Remote clock offset: -0.926 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 25.136 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 25.136 ms
Loss rate: 0.14%
```
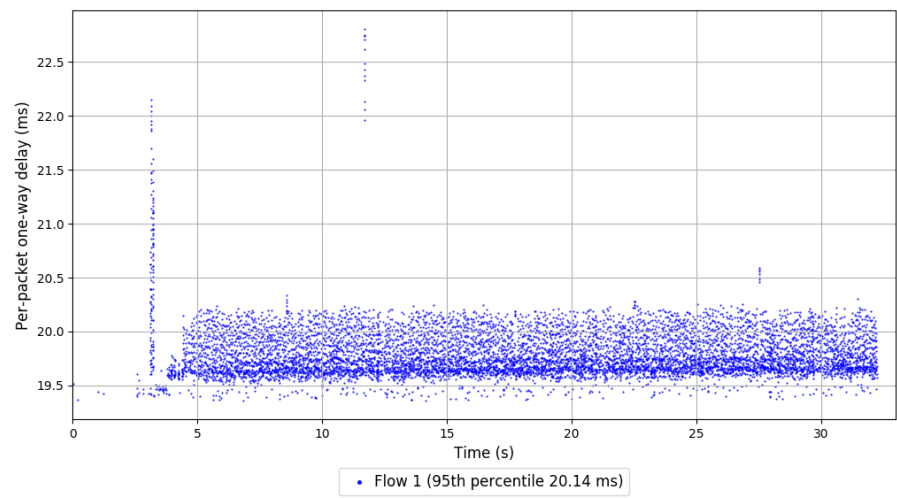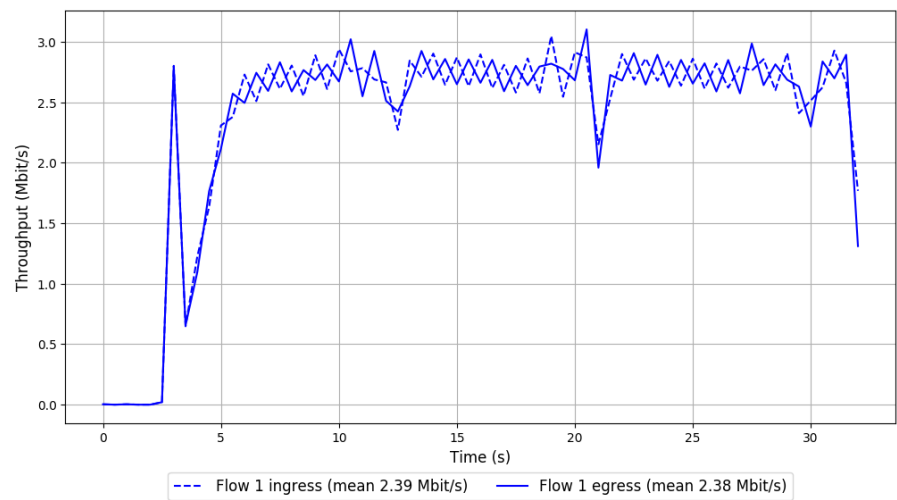
Run 1: Report of WebRTC media — Data Link

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

· Flow 1 (95th percentile 25.14 ms)

```
Run 2: Statistics of WebRTC media

Start at: 2017-10-10 17:56:54
End at: 2017-10-10 17:57:24
Local clock offset: 3.522 ms
Remote clock offset: 2.778 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.135 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.135 ms
Loss rate: 0.30%
```
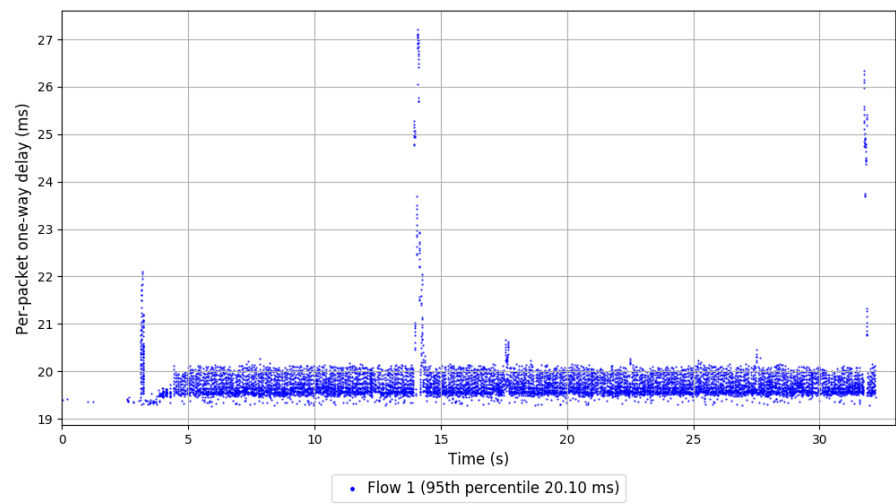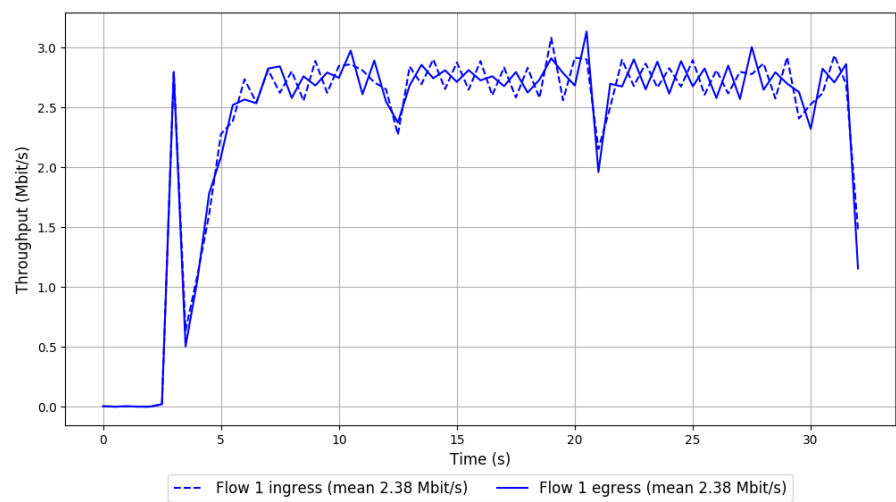
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2017-10-10 18:15:34
End at: 2017-10-10 18:16:04
Local clock offset: 2.741 ms
Remote clock offset: 3.089 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.098 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.098 ms
Loss rate: 0.25%
```
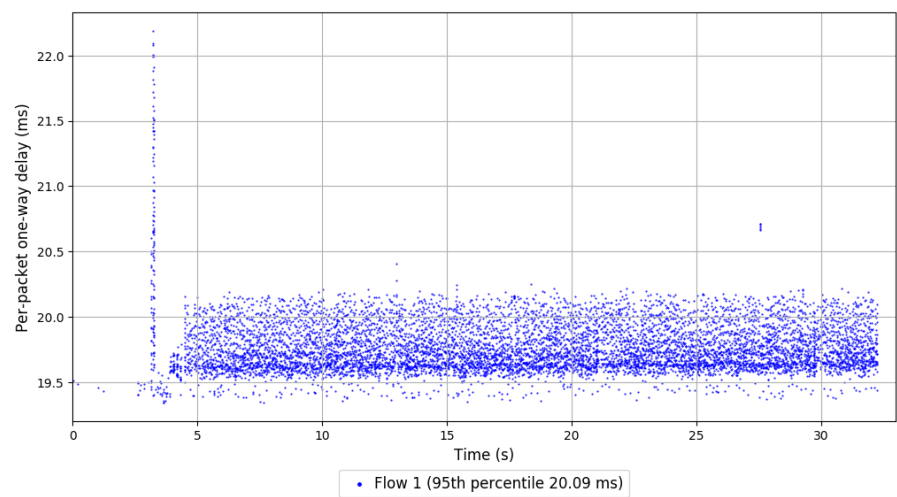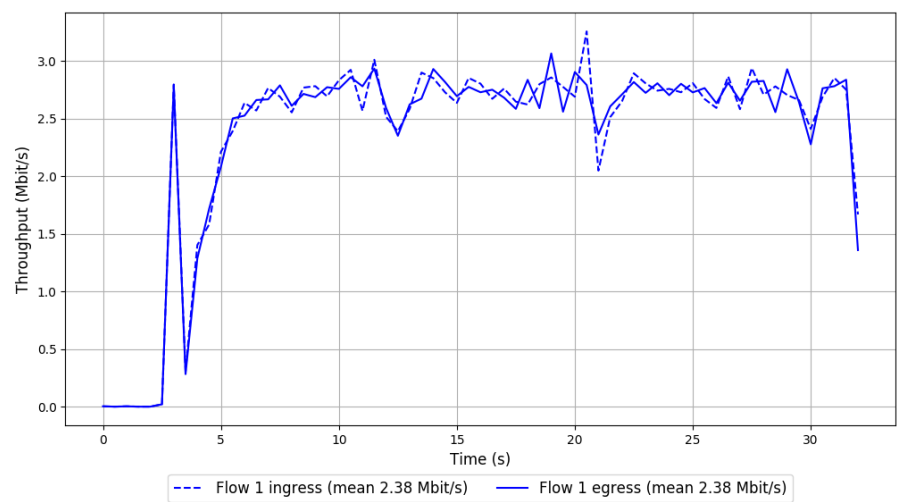
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2017-10-10 18:34:15
End at: 2017-10-10 18:34:45
Local clock offset: 6.726 ms
Remote clock offset: 3.473 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.095 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.095 ms
Loss rate: 0.24%
```
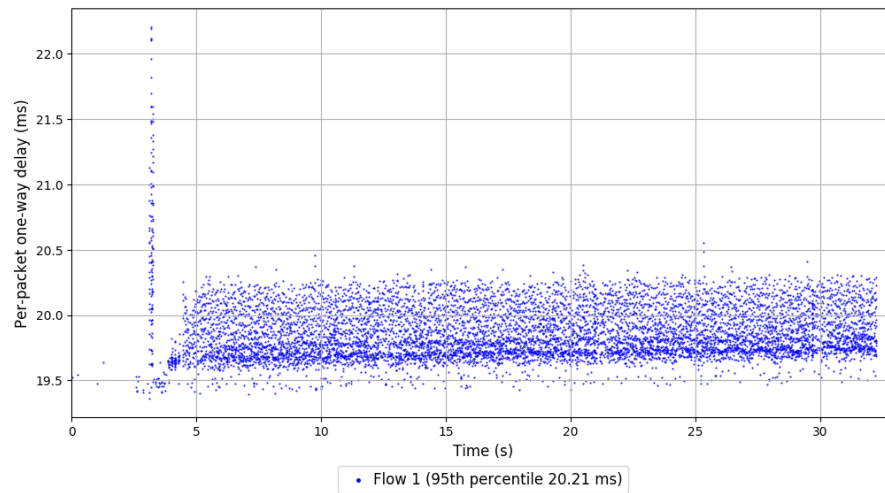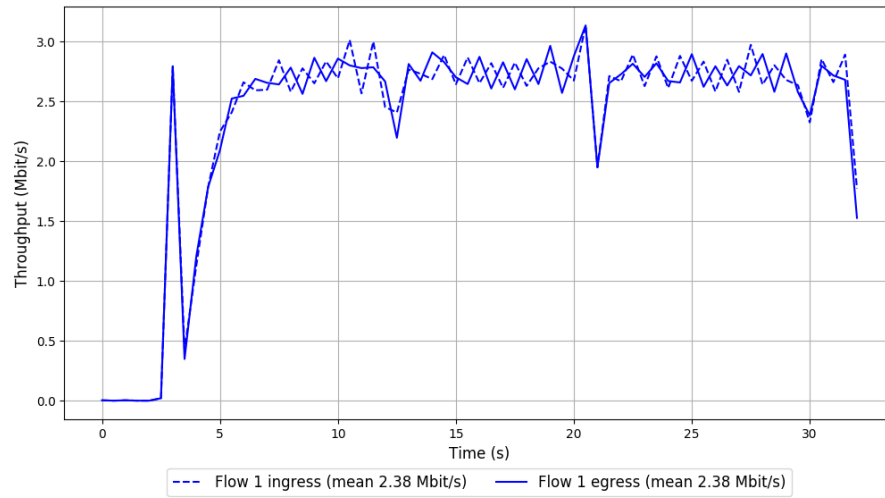
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2017-10-10 18:53:16
End at: 2017-10-10 18:53:46
Local clock offset: 3.11 ms
Remote clock offset: 3.32 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.214 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.214 ms
Loss rate: 0.30%
```
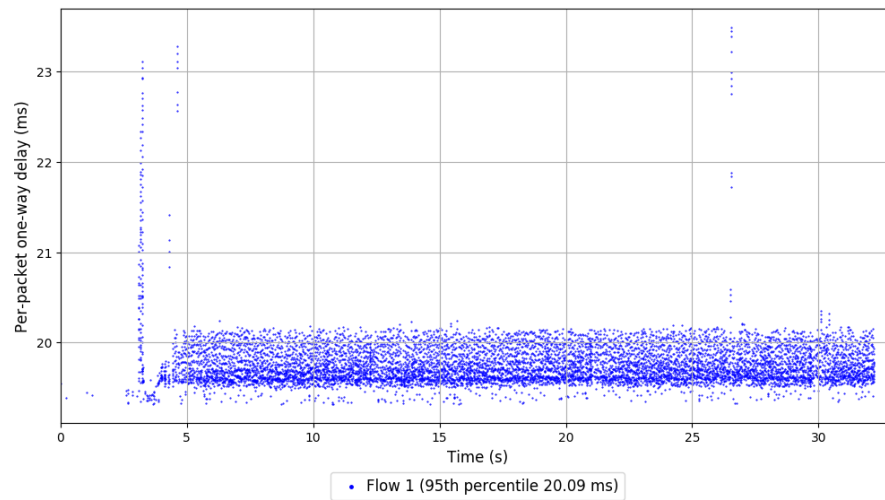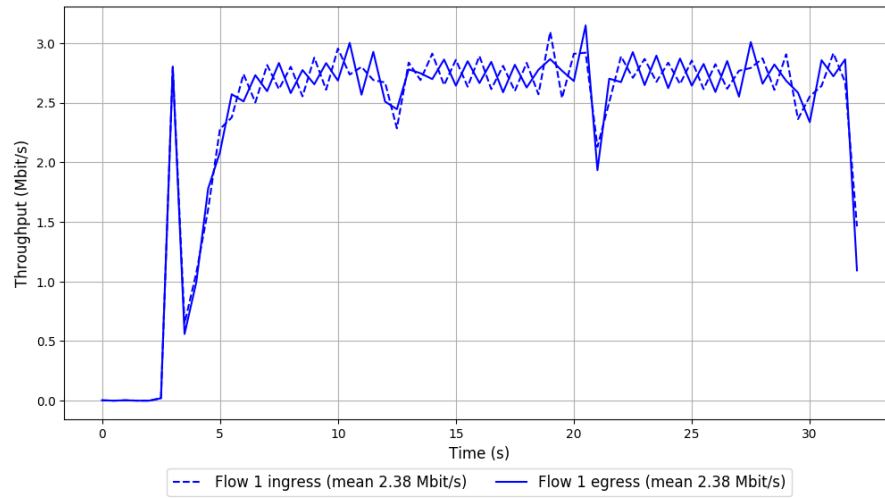
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2017-10-10 19:12:21
End at: 2017-10-10 19:12:51
Local clock offset: 1.57 ms
Remote clock offset: 3.328 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.094 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.094 ms
Loss rate: 0.24%
```
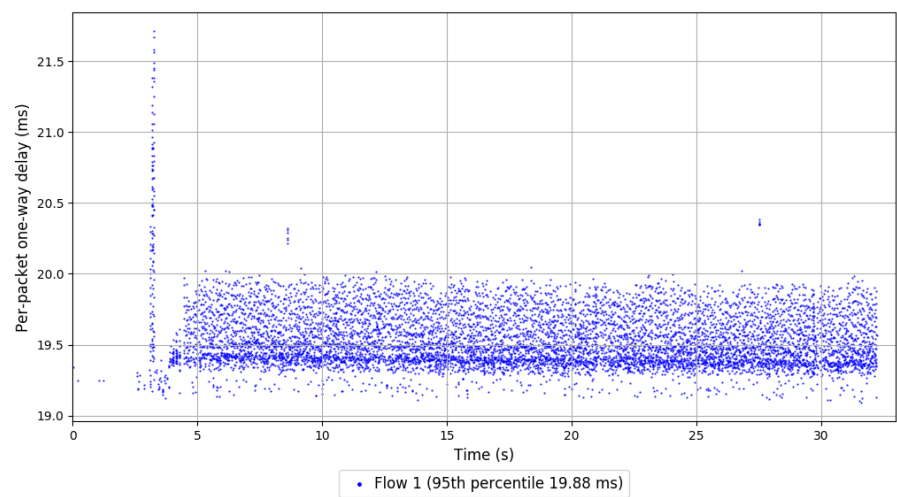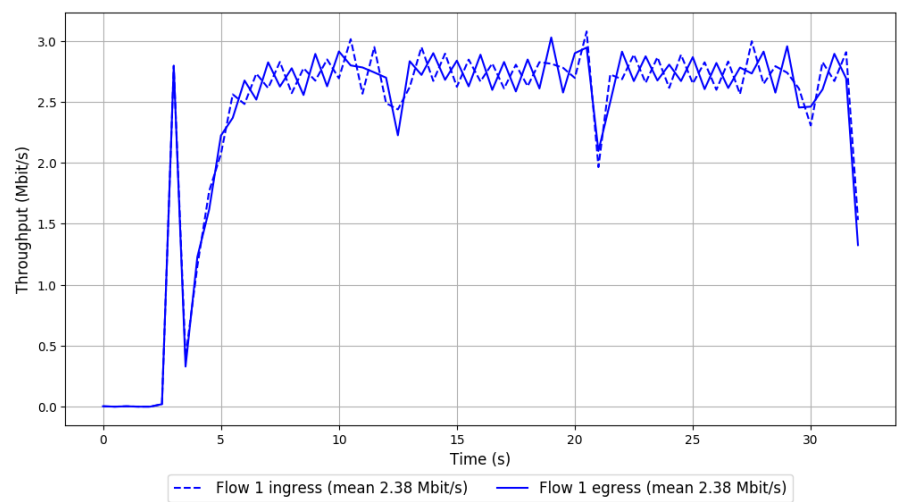
Run 6: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 20.09 ms)

```
Run 7: Statistics of WebRTC media

Start at: 2017-10-10 19:31:11
End at: 2017-10-10 19:31:41
Local clock offset: 2.354 ms
Remote clock offset: 3.472 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 19.882 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 19.882 ms
Loss rate: 0.27%
```
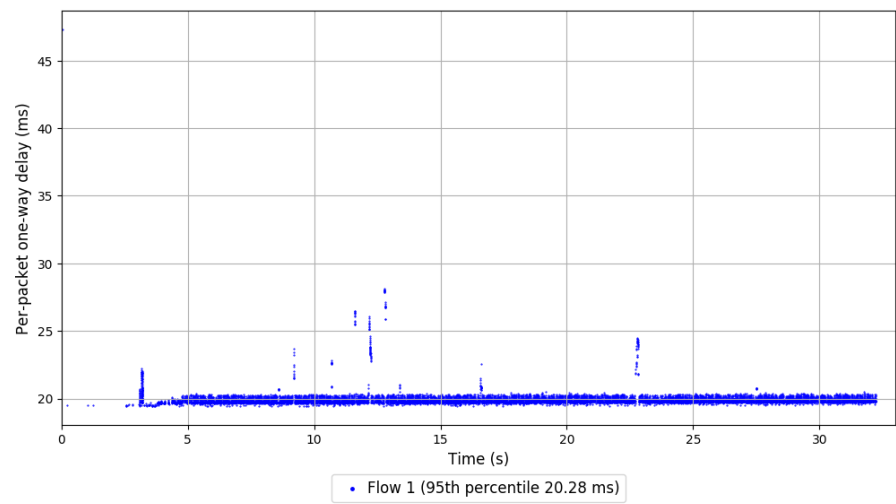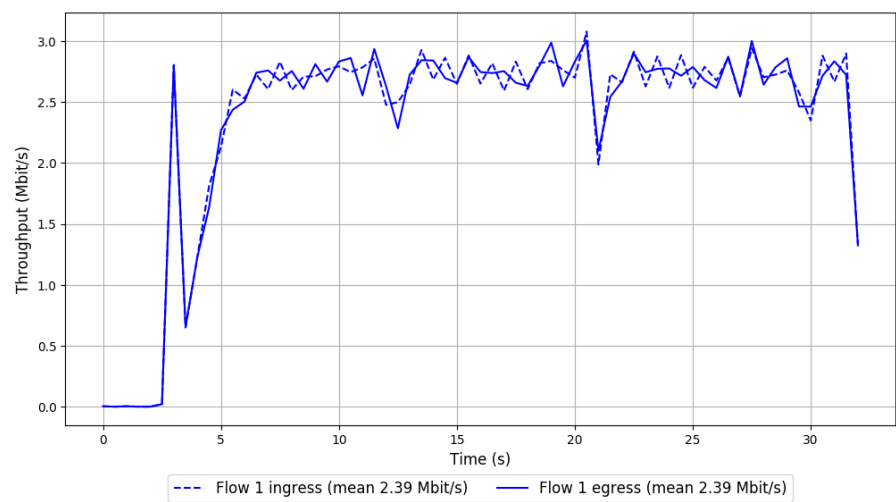
Run 7: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 19.88 ms)

```
Run 8: Statistics of WebRTC media

Start at: 2017-10-10 19:49:57
End at: 2017-10-10 19:50:27
Local clock offset: 1.886 ms
Remote clock offset: 3.537 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 20.283 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.39 Mbit/s
95th percentile per-packet one-way delay: 20.283 ms
Loss rate: 0.15%
```
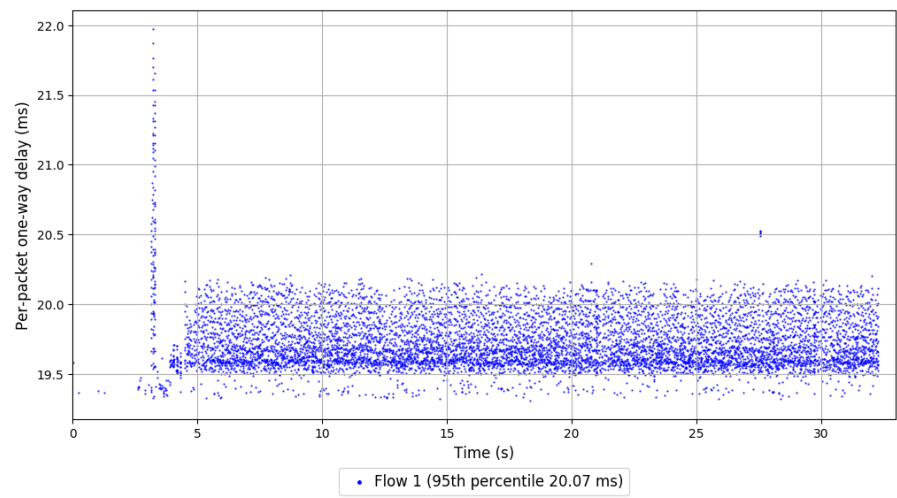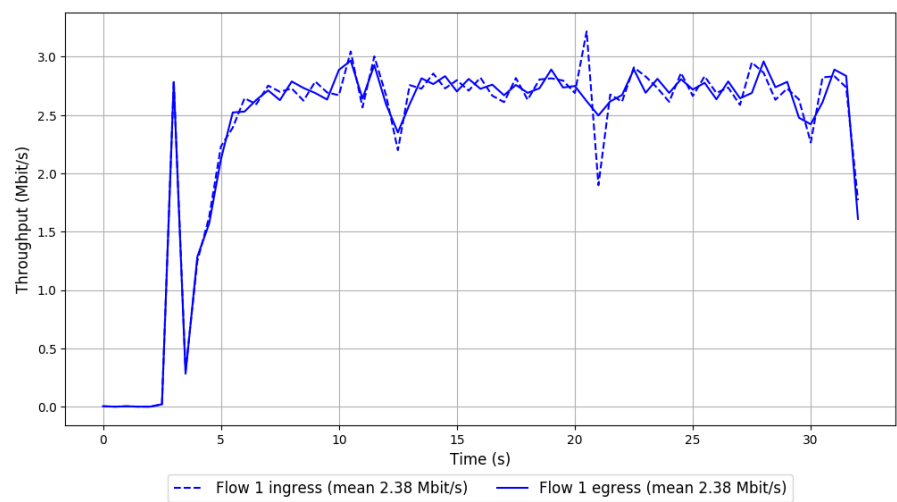
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2017-10-10 20:08:47
End at: 2017-10-10 20:09:17
Local clock offset: 1.388 ms
Remote clock offset: 3.722 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.075 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 20.075 ms
Loss rate: 0.14%
```
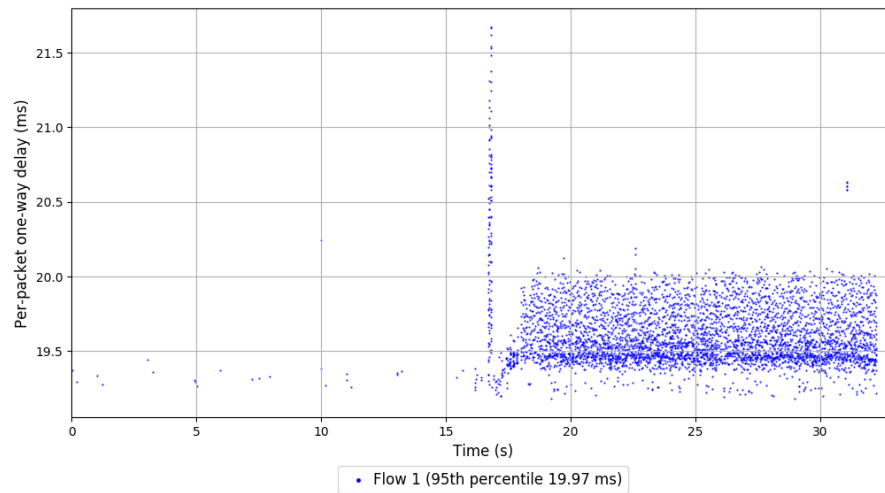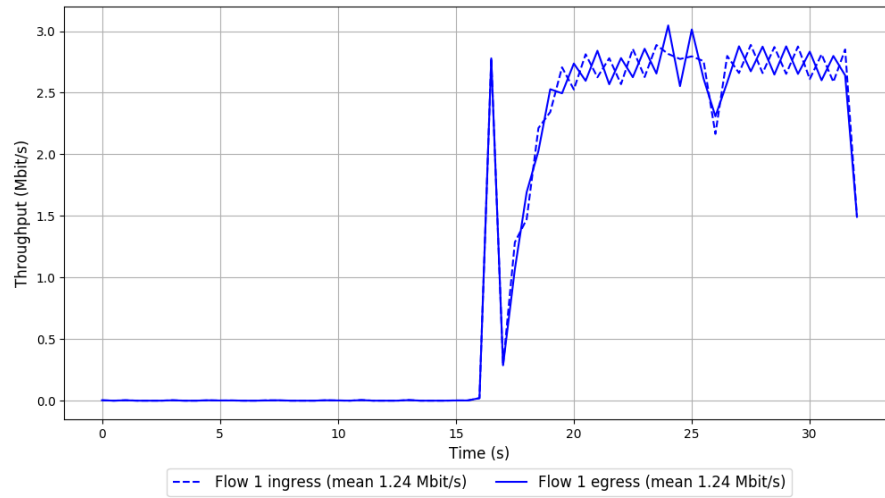
Run 9: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 20.07 ms)

```
Run 10: Statistics of WebRTC media

Start at: 2017-10-10 20:27:51
End at: 2017-10-10 20:28:21
Local clock offset: 2.327 ms
Remote clock offset: 3.714 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 19.969 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 19.969 ms
Loss rate: 0.26%
```

Run 10: Report of WebRTC media — Data Link

```
Run 1: Statistics of Sprout

Start at: 2017-10-10 17:40:52
End at: 2017-10-10 17:41:22
Local clock offset: 8.017 ms
Remote clock offset: -0.997 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.97 Mbit/s
95th percentile per-packet one-way delay: 27.063 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 15.97 Mbit/s
95th percentile per-packet one-way delay: 27.063 ms
Loss rate: 0.12%
```
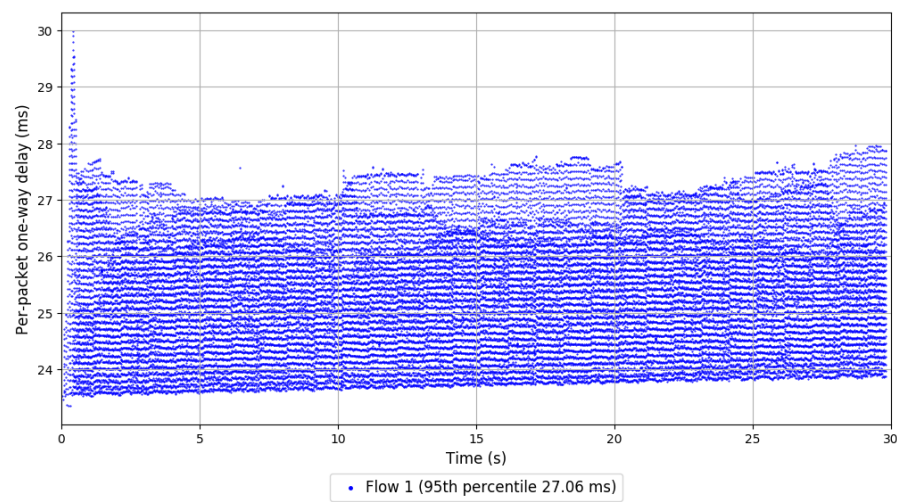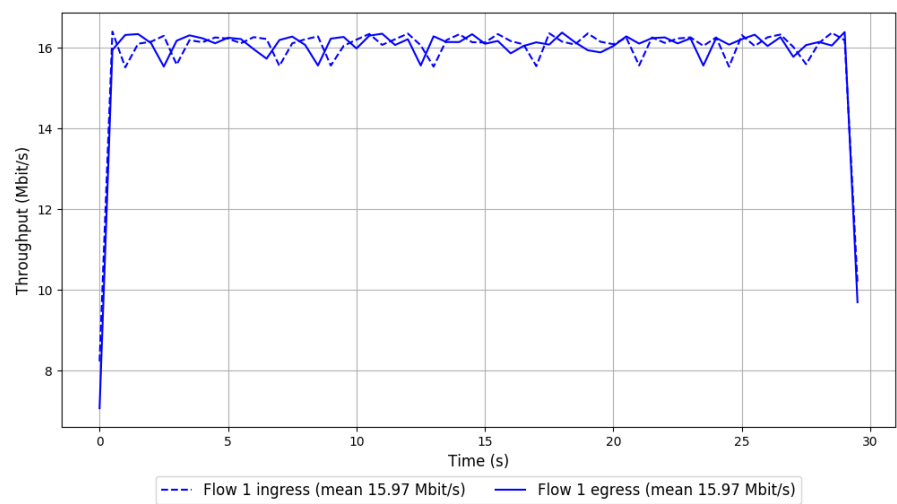
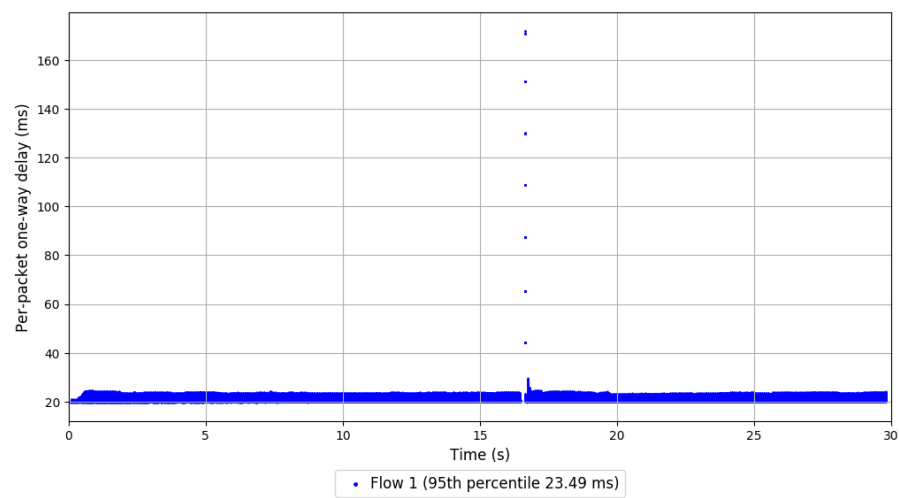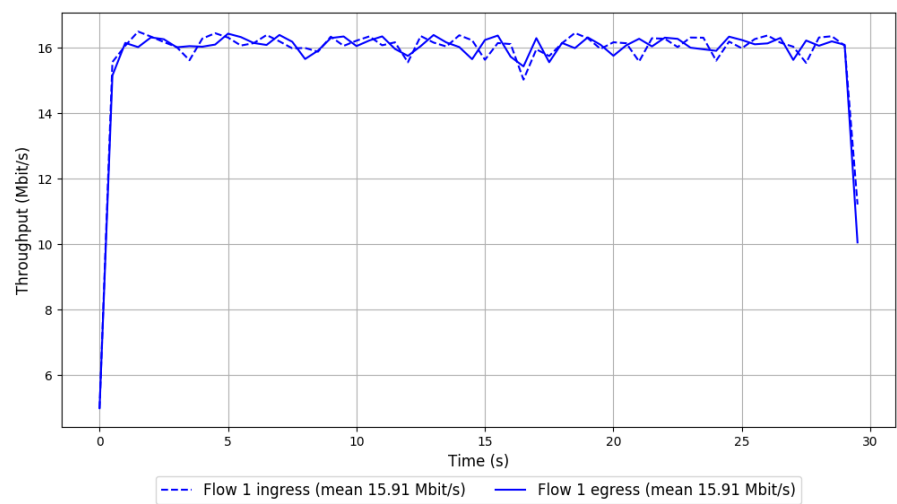Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2017-10-10 17:59:30
End at: 2017-10-10 18:00:00
Local clock offset: 3.049 ms
Remote clock offset: 2.744 ms

# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 23.488 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.91 Mbit/s
95th percentile per-packet one-way delay: 23.488 ms
Loss rate: 0.20%
```
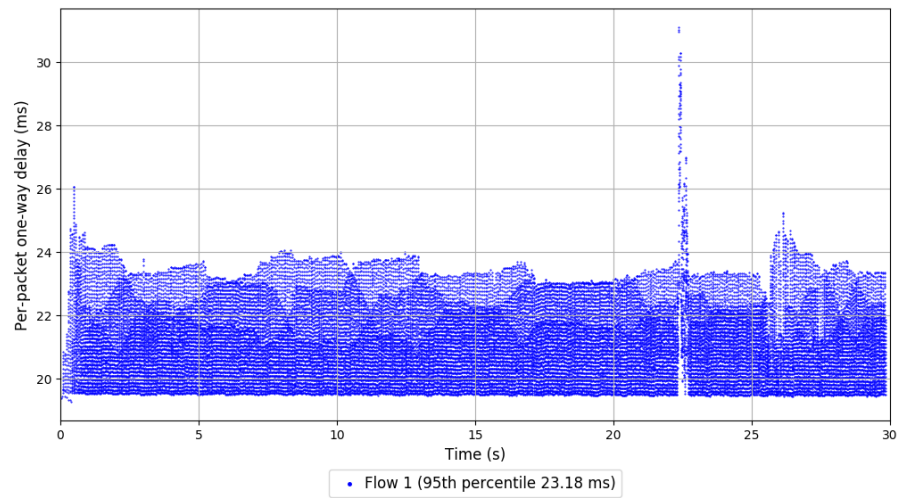
Run 2: Report of Sprout — Data Link

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

Flow 1 (95th percentile 23.49 ms)

```
Run 3: Statistics of Sprout

Start at: 2017-10-10 18:18:09
End at: 2017-10-10 18:18:40
Local clock offset: 2.882 ms
Remote clock offset: 3.125 ms

# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 23.179 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 15.87 Mbit/s
95th percentile per-packet one-way delay: 23.179 ms
Loss rate: 0.23%
```
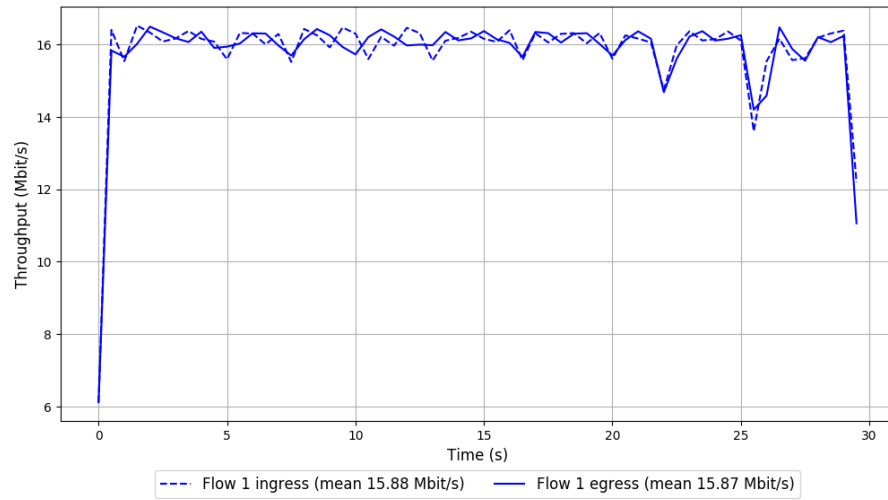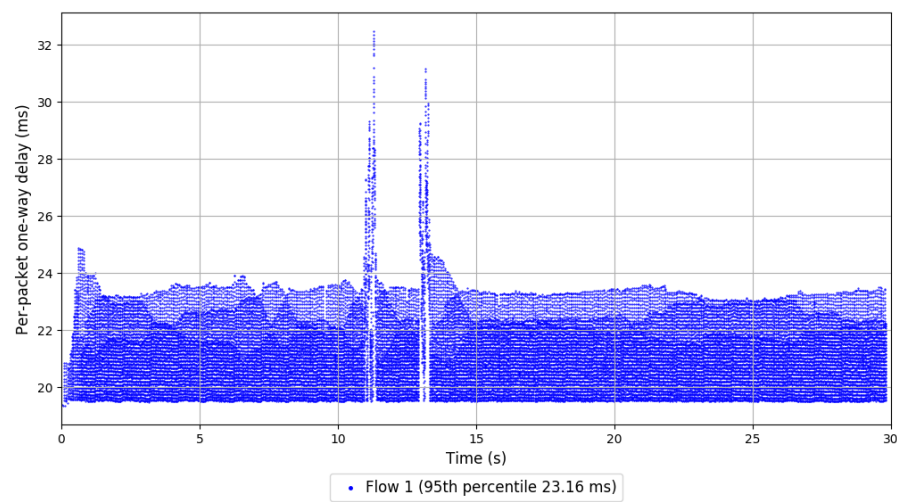
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 15.88 Mbit/s) --- Flow 1 egress (mean 15.87 Mbit/s)

Flow 1 (95th percentile 23.18 ms)

```
Run 4: Statistics of Sprout

Start at: 2017-10-10 18:36:51
End at: 2017-10-10 18:37:21
Local clock offset: 6.609 ms
Remote clock offset: 3.486 ms

# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 23.155 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 15.86 Mbit/s
95th percentile per-packet one-way delay: 23.155 ms
Loss rate: 0.17%
```
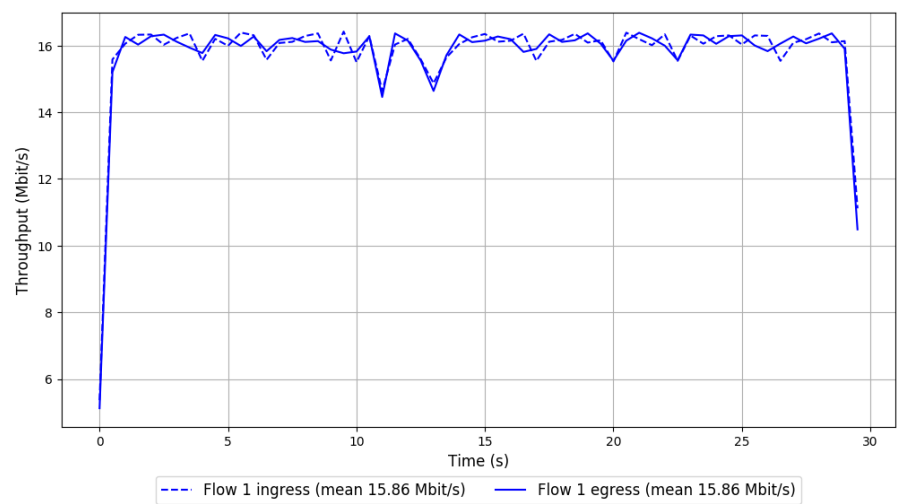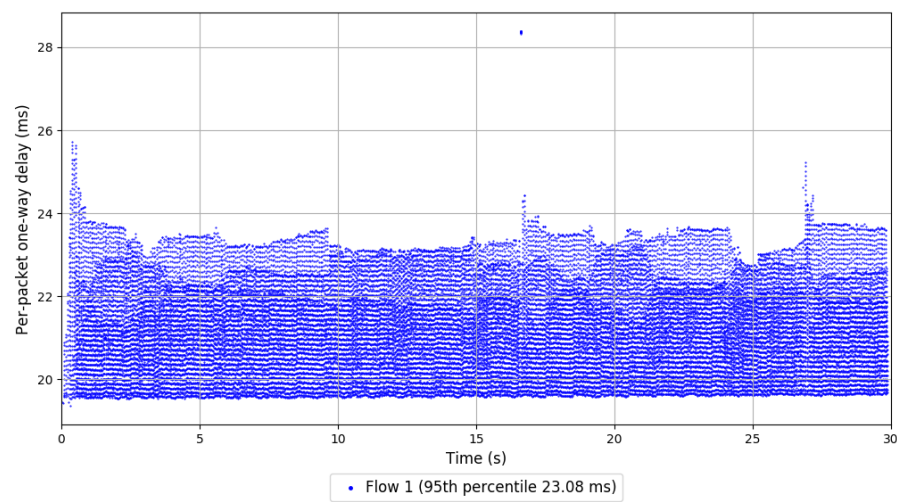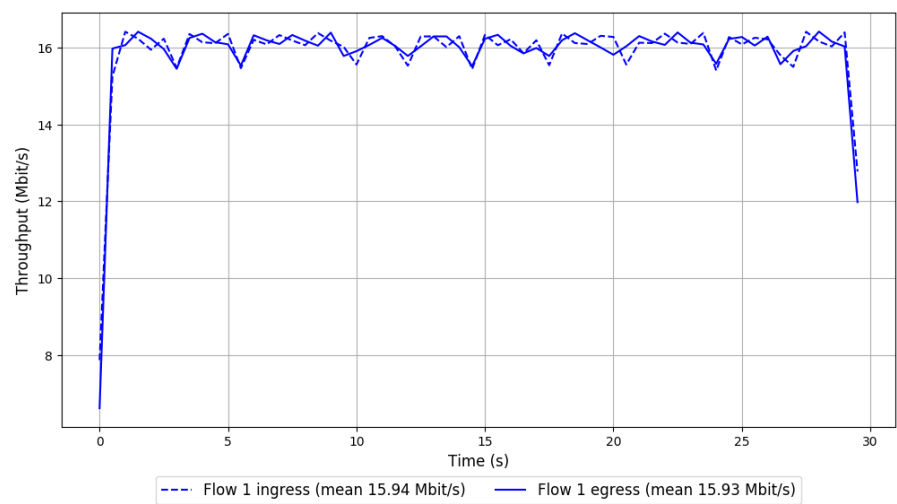
Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 15.86 Mbit/s) --- Flow 1 egress (mean 15.86 Mbit/s)

Flow 1 (95th percentile 23.16 ms)

```
Run 5: Statistics of Sprout

Start at: 2017-10-10 18:55:52
End at: 2017-10-10 18:56:22
Local clock offset: 2.59 ms
Remote clock offset: 3.273 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 23.078 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 15.93 Mbit/s
95th percentile per-packet one-way delay: 23.078 ms
Loss rate: 0.17%
```
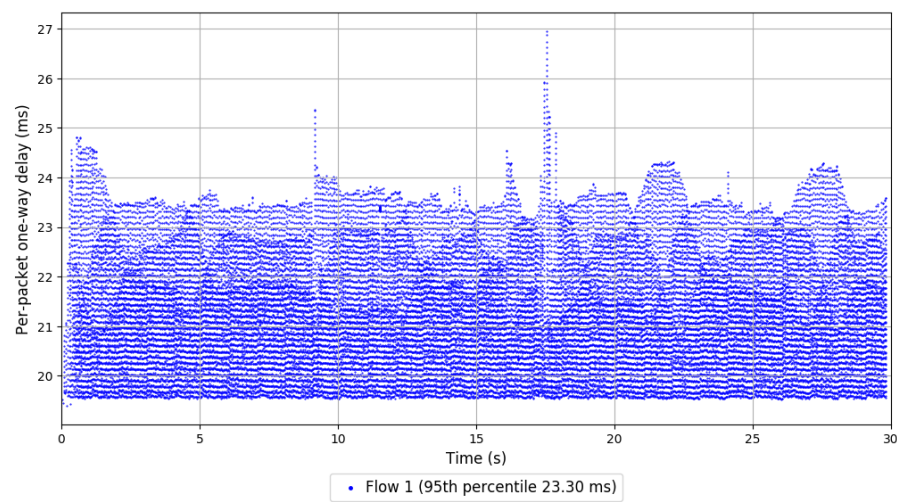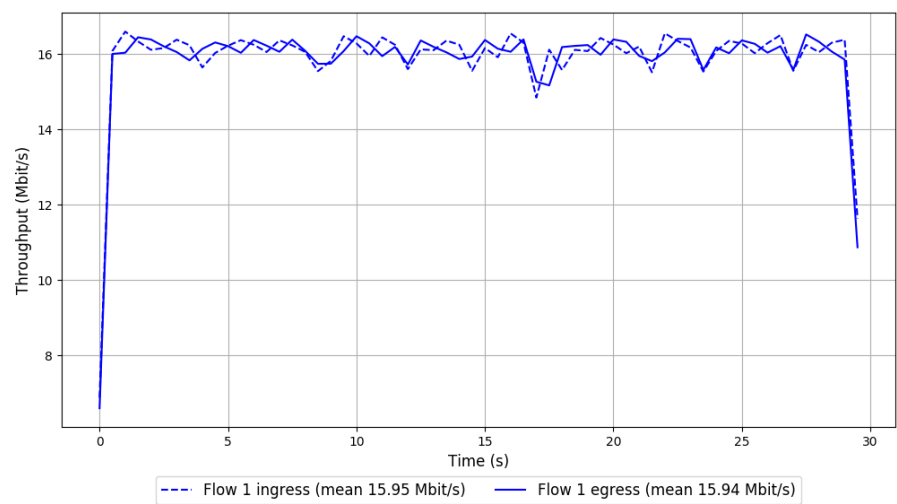
Run 5: Report of Sprout — Data Link

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

• Flow 1 (95th percentile 23.08 ms)

```
Run 6: Statistics of Sprout

Start at: 2017-10-10 19:14:57
End at: 2017-10-10 19:15:27
Local clock offset: 1.597 ms
Remote clock offset: 3.362 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 23.301 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 23.301 ms
Loss rate: 0.20%
```
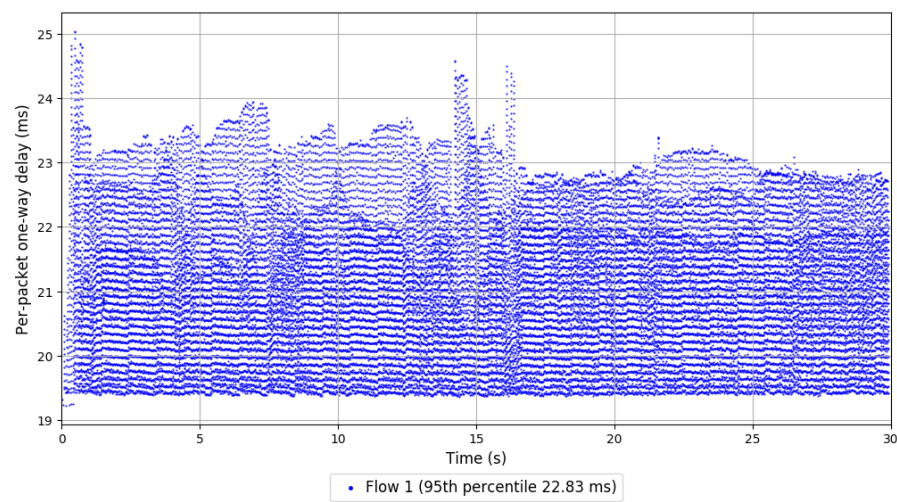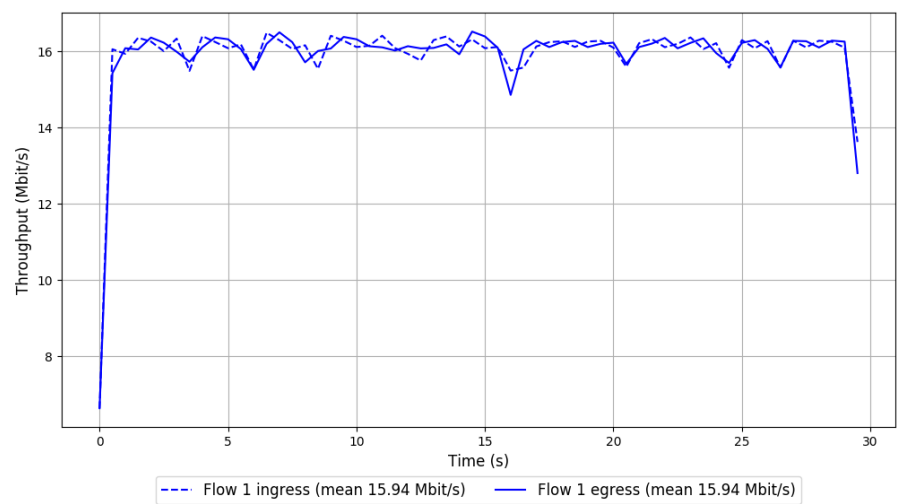
Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 15.95 Mbit/s)   Flow 1 egress (mean 15.94 Mbit/s)

Flow 1 (95th percentile 23.30 ms)

```
Run 7: Statistics of Sprout

Start at: 2017-10-10 19:33:46
End at: 2017-10-10 19:34:16
Local clock offset: 2.65 ms
Remote clock offset: 3.487 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 22.831 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 15.94 Mbit/s
95th percentile per-packet one-way delay: 22.831 ms
Loss rate: 0.14%
```
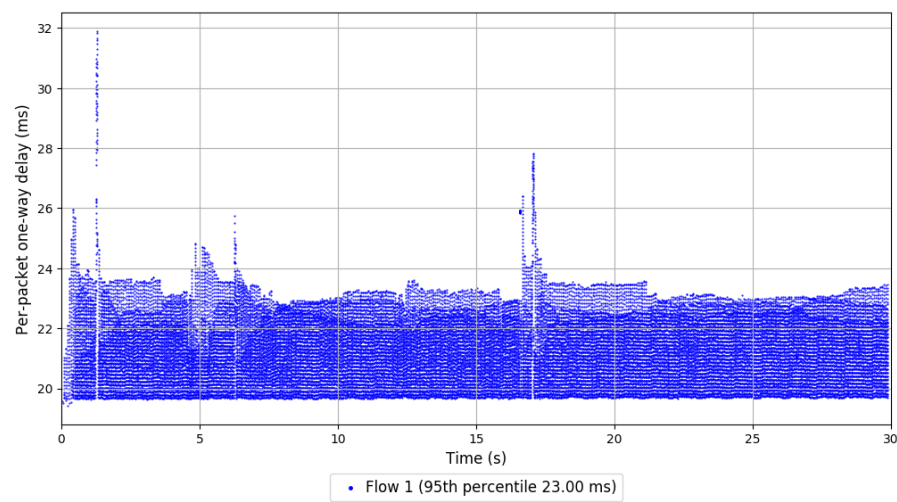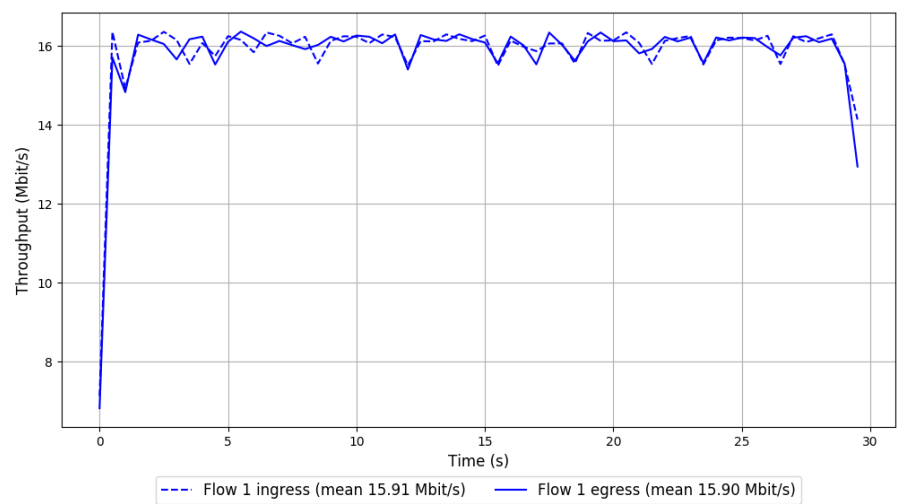
Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2017-10-10 19:52:32
End at: 2017-10-10 19:53:02
Local clock offset: 1.512 ms
Remote clock offset: 3.633 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 22.997 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 22.997 ms
Loss rate: 0.24%
```
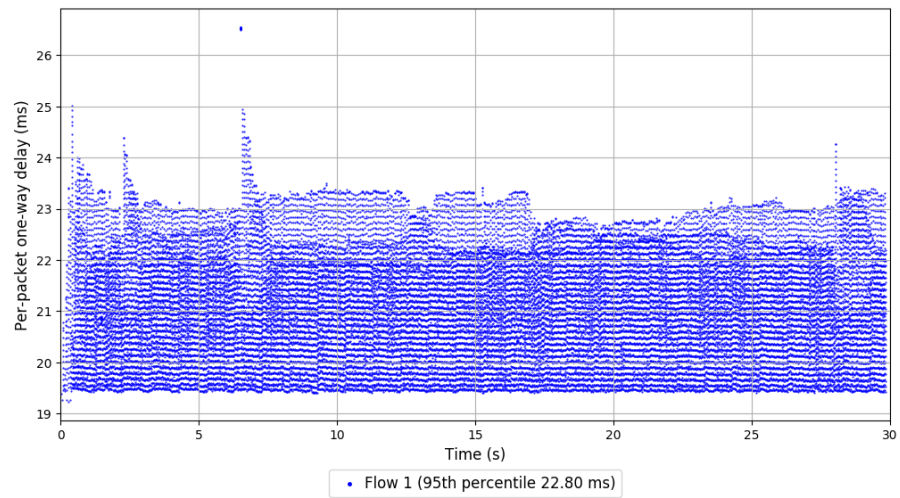
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2017-10-10 20:11:22
End at: 2017-10-10 20:11:52
Local clock offset: 1.403 ms
Remote clock offset: 3.789 ms


# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 22.805 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.92 Mbit/s
95th percentile per-packet one-way delay: 22.805 ms
Loss rate: 0.20%
```
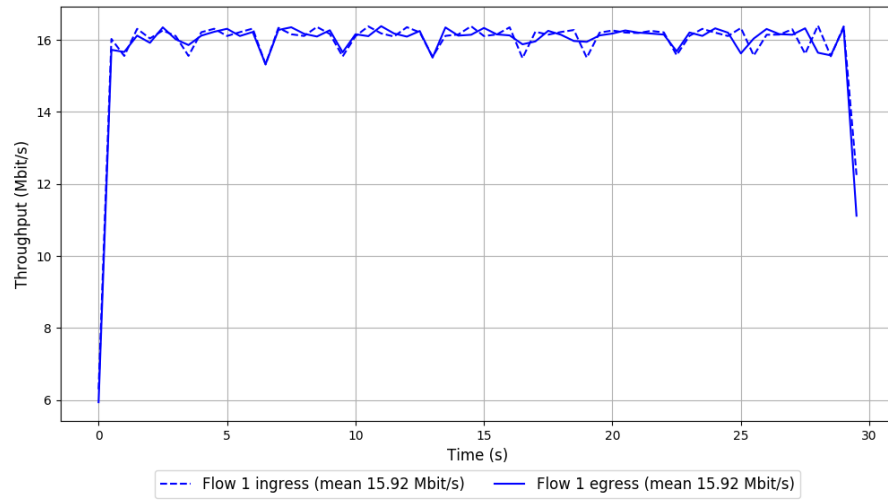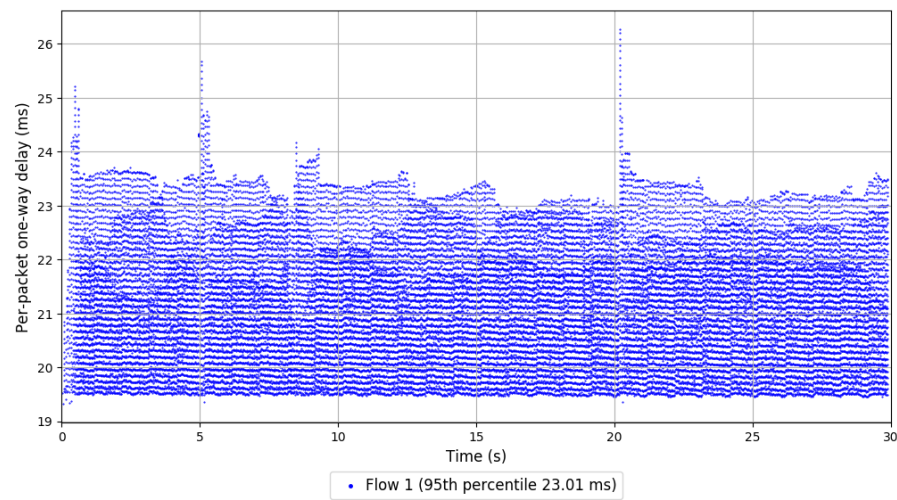
Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 15.92 Mbit/s)   Flow 1 egress (mean 15.92 Mbit/s)

Flow 1 (95th percentile 22.80 ms)

161

```
Run 10: Statistics of Sprout

Start at: 2017-10-10 20:30:27
End at: 2017-10-10 20:30:57
Local clock offset: 2.641 ms
Remote clock offset: 3.798 ms

# Below is generated by plot.py at 2017-10-10 23:56:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 23.006 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 23.006 ms
Loss rate: 0.20%
```
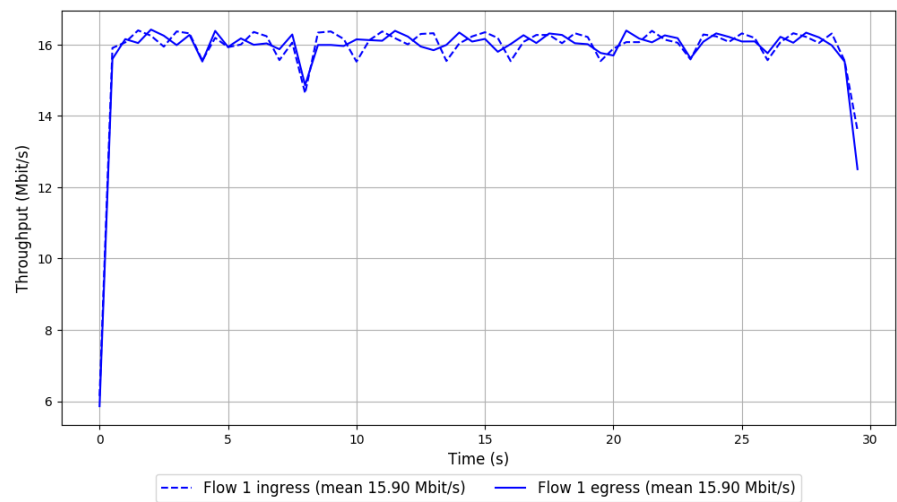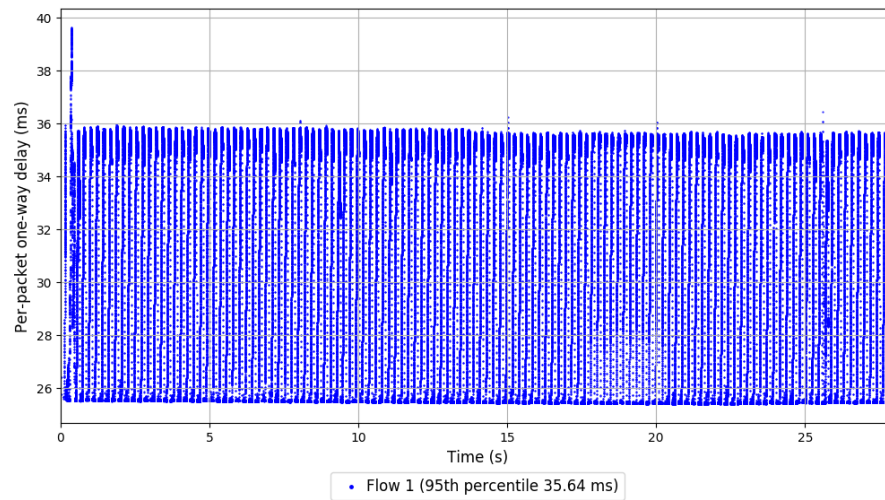
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 15.90 Mbit/s) ---- Flow 1 egress (mean 15.90 Mbit/s)

• Flow 1 (95th percentile 23.01 ms)

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

Start at: 2017-10-10 17:50:13
End at: 2017-10-10 17:50:43
Local clock offset: 5.133 ms
Remote clock offset: -3.565 ms

# Below is generated by plot.py at 2017-10-10 23:57:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.81 Mbit/s
95th percentile per-packet one-way delay: 35.638 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 69.81 Mbit/s
95th percentile per-packet one-way delay: 35.638 ms
Loss rate: 0.11%
```
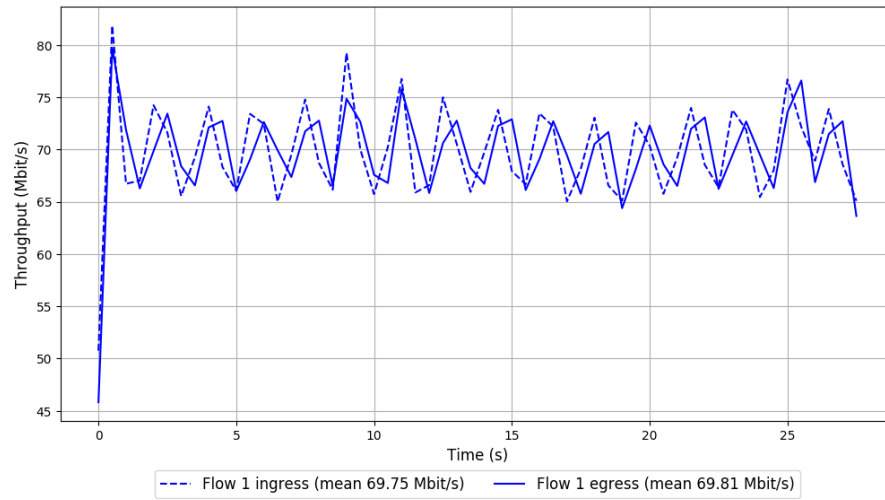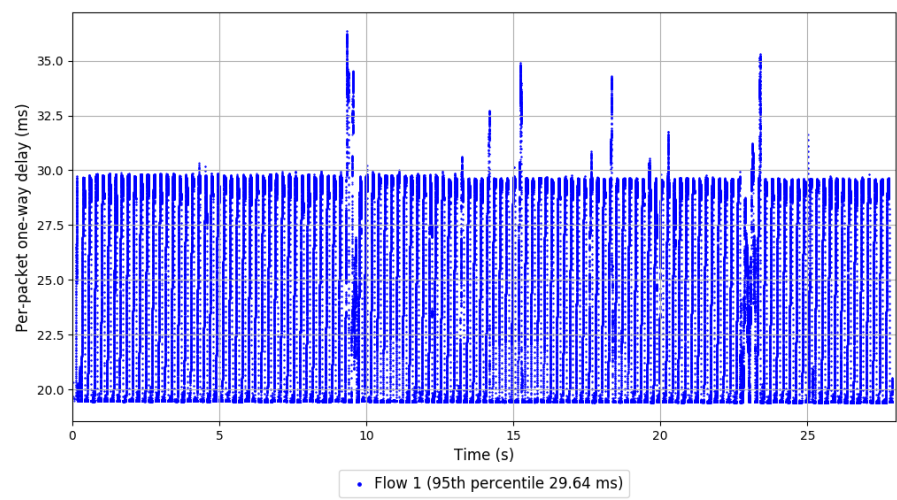
Run 1: Report of TaoVA-100x — Data Link

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

Start at: 2017-10-10 18:08:52
End at: 2017-10-10 18:09:22
Local clock offset: 1.969 ms
Remote clock offset: 2.909 ms

# Below is generated by plot.py at 2017-10-10 23:57:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.68 Mbit/s
95th percentile per-packet one-way delay: 29.642 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 69.68 Mbit/s
95th percentile per-packet one-way delay: 29.642 ms
Loss rate: 0.36%
```
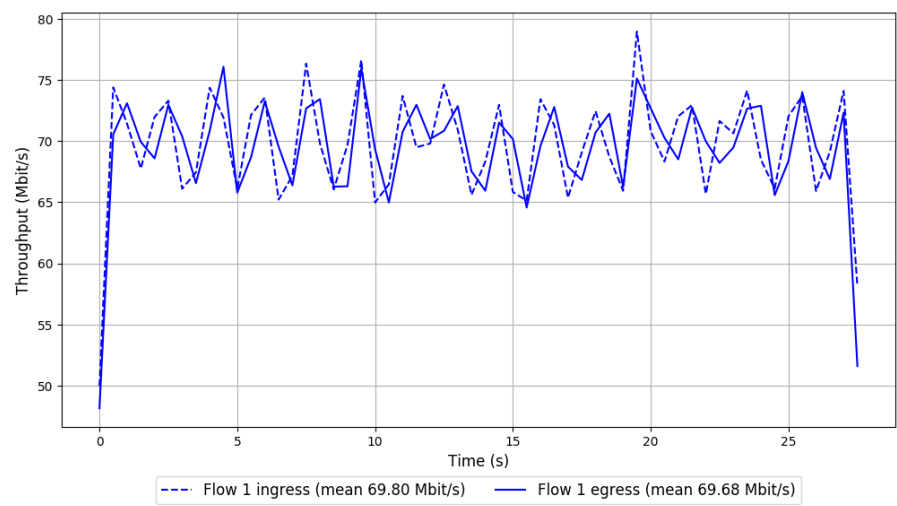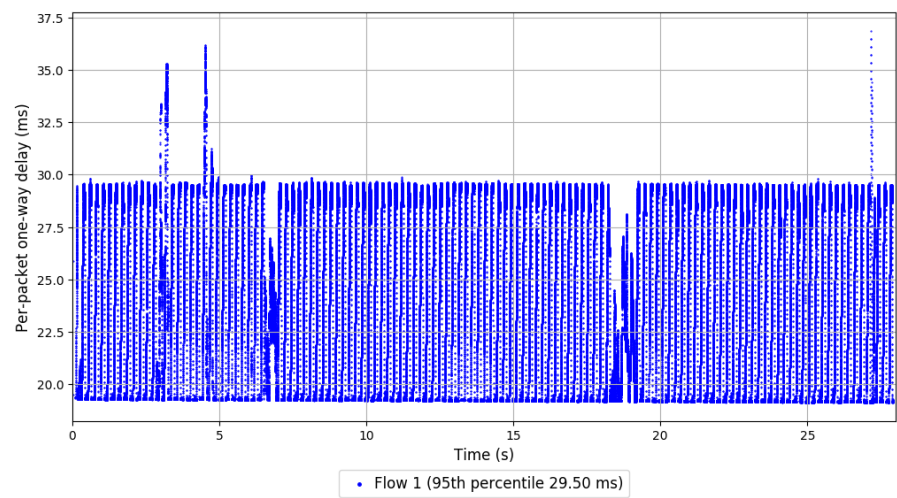
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 69.80 Mbit/s)　　Flow 1 egress (mean 69.68 Mbit/s)

Flow 1 (95th percentile 29.64 ms)

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

Start at: 2017-10-10 18:27:33
End at: 2017-10-10 18:28:03
Local clock offset: 5.276 ms
Remote clock offset: 3.348 ms

# Below is generated by plot.py at 2017-10-10 23:58:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.42 Mbit/s
95th percentile per-packet one-way delay: 29.497 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 70.42 Mbit/s
95th percentile per-packet one-way delay: 29.497 ms
Loss rate: 0.12%
```
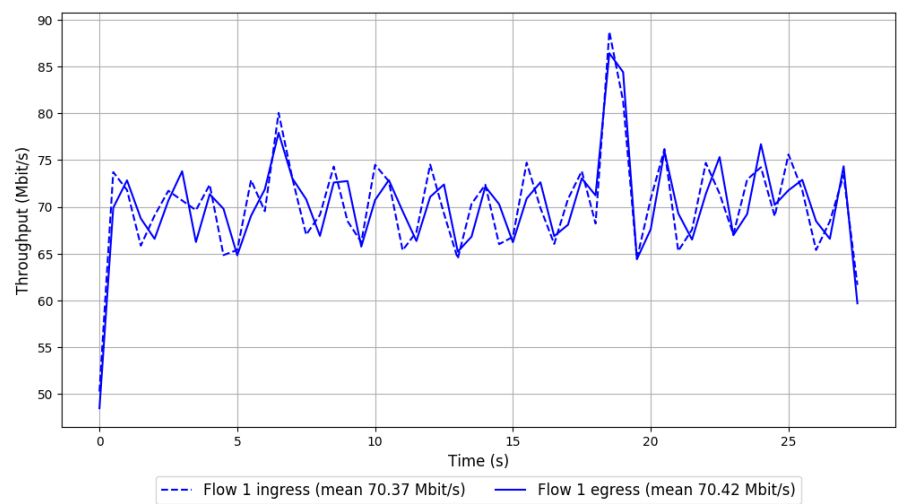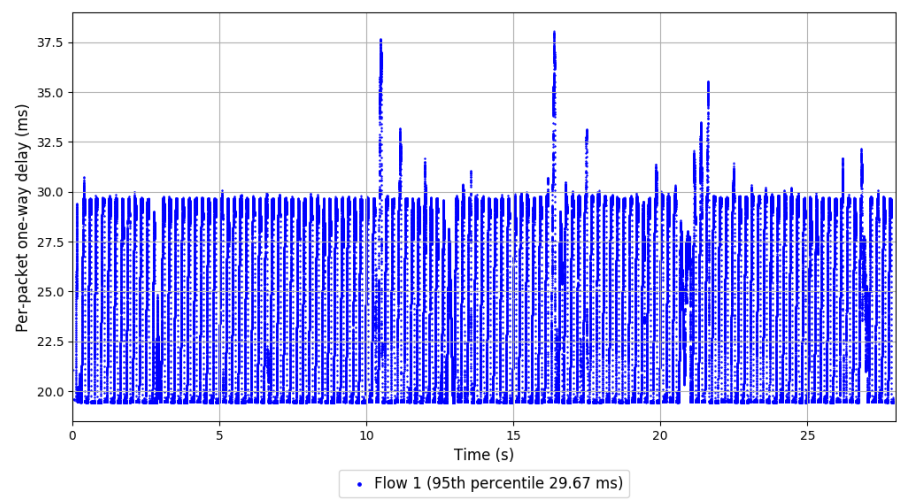
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 70.37 Mbit/s) --- Flow 1 egress (mean 70.42 Mbit/s)

Flow 1 (95th percentile 29.50 ms)

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

Start at: 2017-10-10 18:46:28
End at: 2017-10-10 18:46:58
Local clock offset: 4.759 ms
Remote clock offset: 3.445 ms


# Below is generated by plot.py at 2017-10-10 23:58:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.98 Mbit/s
95th percentile per-packet one-way delay: 29.669 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 70.98 Mbit/s
95th percentile per-packet one-way delay: 29.669 ms
Loss rate: 0.17%
```
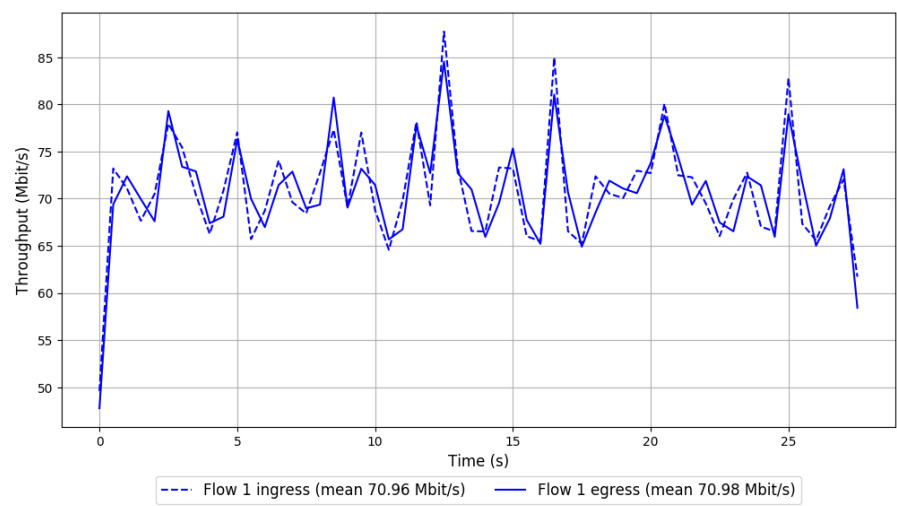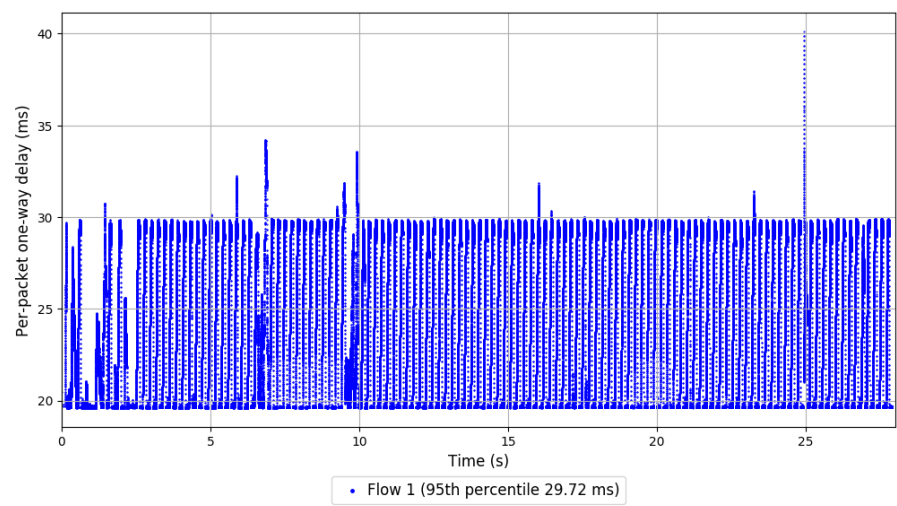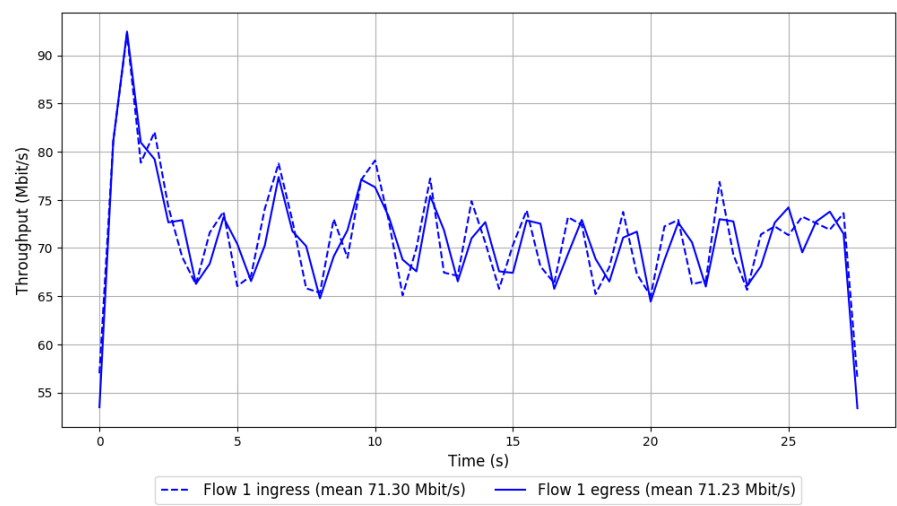
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 70.96 Mbit/s) ----- Flow 1 egress (mean 70.98 Mbit/s) ———

Flow 1 (95th percentile 29.67 ms)

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

Start at: 2017-10-10 19:05:35
End at: 2017-10-10 19:06:05
Local clock offset: 1.843 ms
Remote clock offset: 3.304 ms


# Below is generated by plot.py at 2017-10-10 23:58:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.23 Mbit/s
95th percentile per-packet one-way delay: 29.724 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 71.23 Mbit/s
95th percentile per-packet one-way delay: 29.724 ms
Loss rate: 0.28%
```
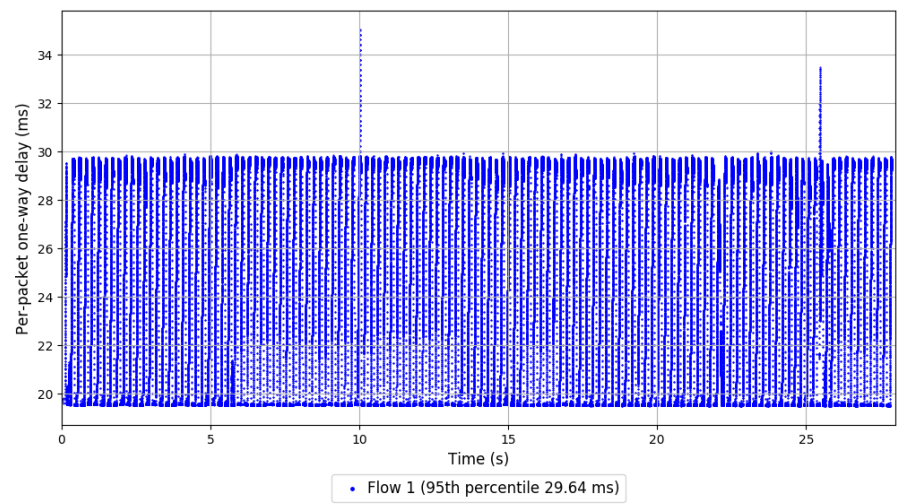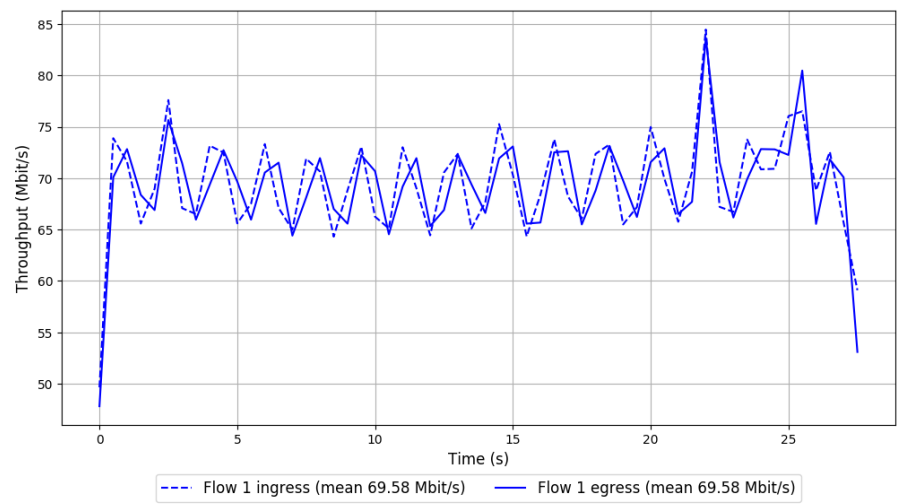
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 71.30 Mbit/s) — Flow 1 egress (mean 71.23 Mbit/s)

Flow 1 (95th percentile 29.72 ms)

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

Start at: 2017-10-10 19:24:28
End at: 2017-10-10 19:24:58
Local clock offset: 1.872 ms
Remote clock offset: 3.433 ms


# Below is generated by plot.py at 2017-10-10 23:58:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.58 Mbit/s
95th percentile per-packet one-way delay: 29.639 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 69.58 Mbit/s
95th percentile per-packet one-way delay: 29.639 ms
Loss rate: 0.19%
```
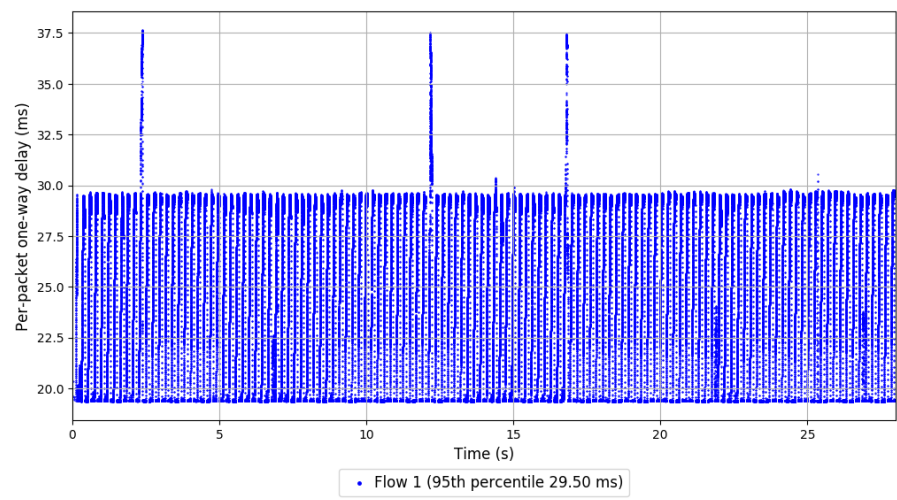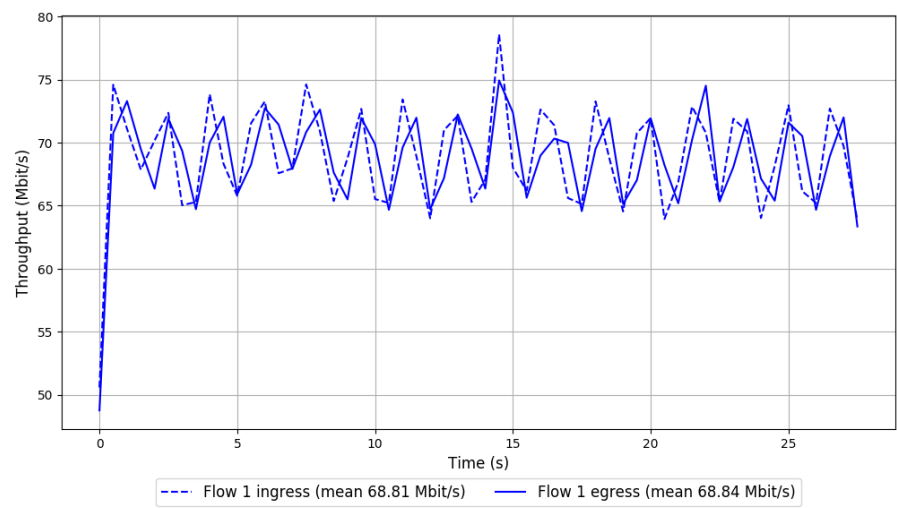
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 69.58 Mbit/s) ——— Flow 1 egress (mean 69.58 Mbit/s)

• Flow 1 (95th percentile 29.64 ms)

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

Start at: 2017-10-10 19:43:16
End at: 2017-10-10 19:43:46
Local clock offset: 2.463 ms
Remote clock offset: 3.552 ms


# Below is generated by plot.py at 2017-10-10 23:58:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 29.502 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 29.502 ms
Loss rate: 0.14%
```
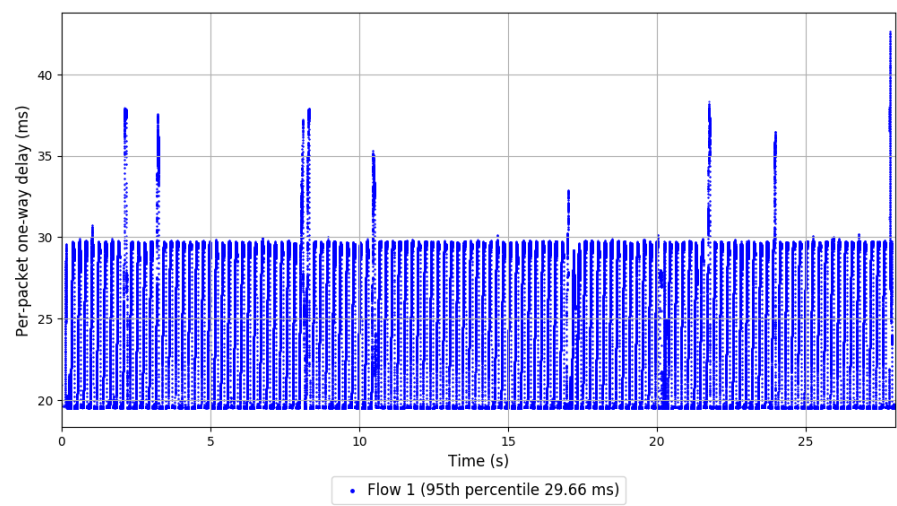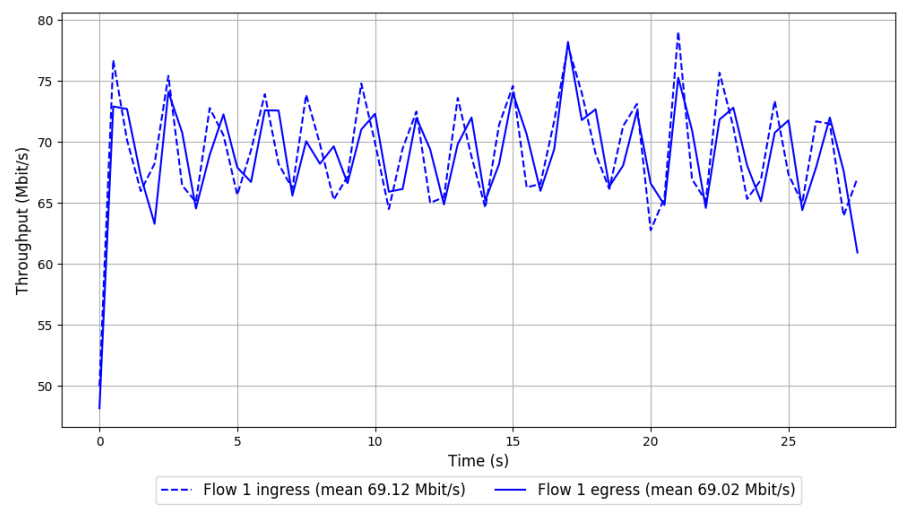
Run 7: Report of TaoVA-100x — Data Link

177

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

Start at: 2017-10-10 20:02:01
End at: 2017-10-10 20:02:31
Local clock offset: 1.183 ms
Remote clock offset: 3.703 ms

# Below is generated by plot.py at 2017-10-10 23:58:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.02 Mbit/s
95th percentile per-packet one-way delay: 29.659 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 69.02 Mbit/s
95th percentile per-packet one-way delay: 29.659 ms
Loss rate: 0.33%
```
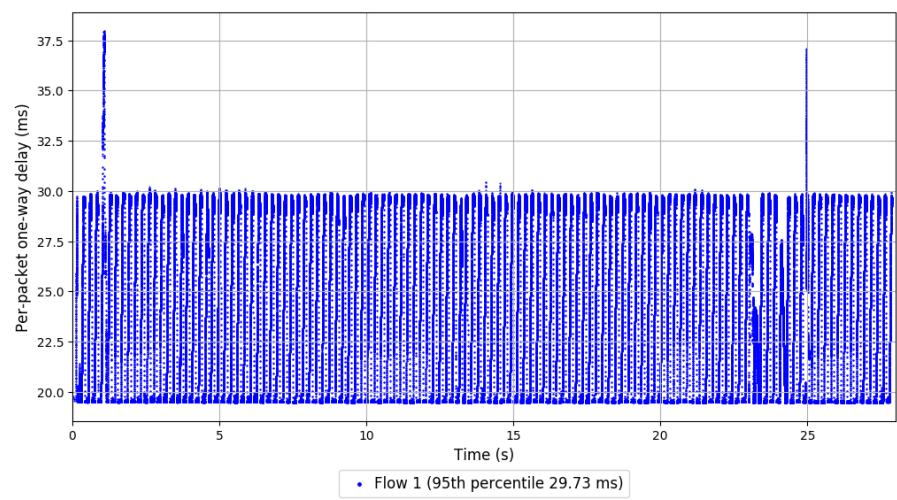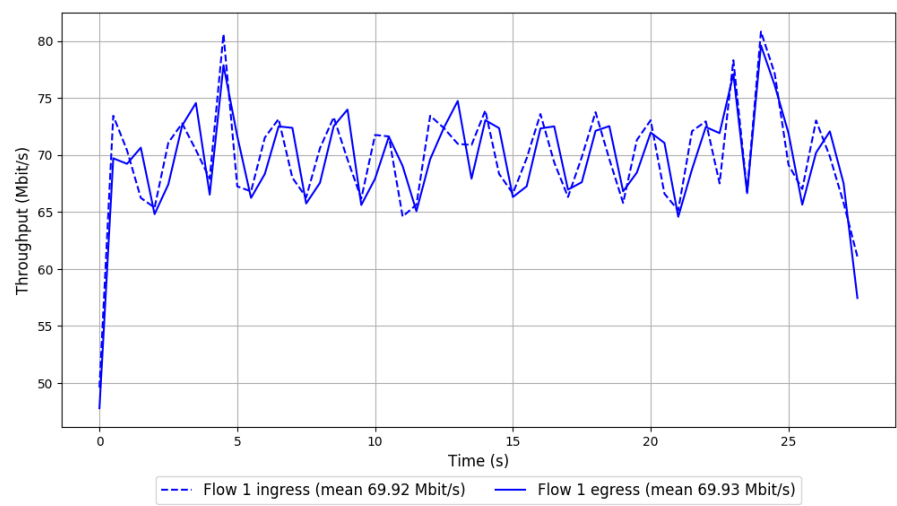
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 69.12 Mbit/s) ----- Flow 1 egress (mean 69.02 Mbit/s)

• Flow 1 (95th percentile 29.66 ms)

179

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

Start at: 2017-10-10 20:21:02
End at: 2017-10-10 20:21:32
Local clock offset: 1.975 ms
Remote clock offset: 3.787 ms


# Below is generated by plot.py at 2017-10-10 23:59:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 29.729 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 69.93 Mbit/s
95th percentile per-packet one-way delay: 29.729 ms
Loss rate: 0.18%
```
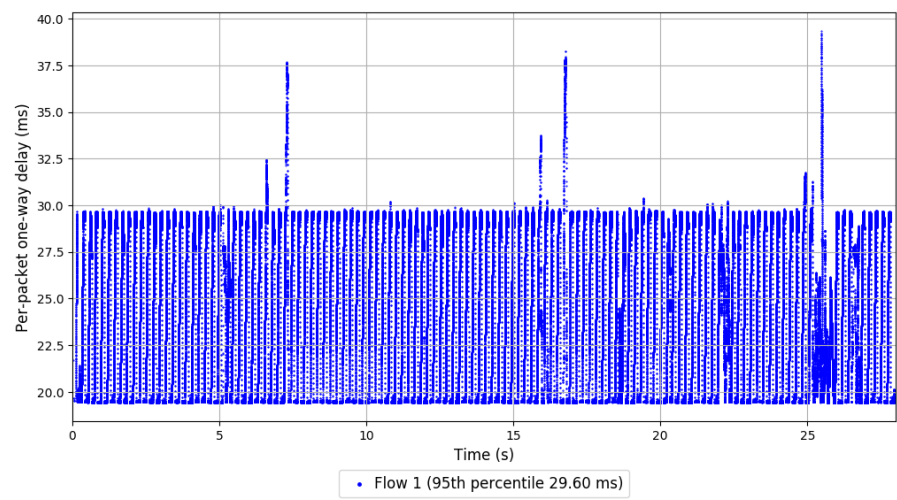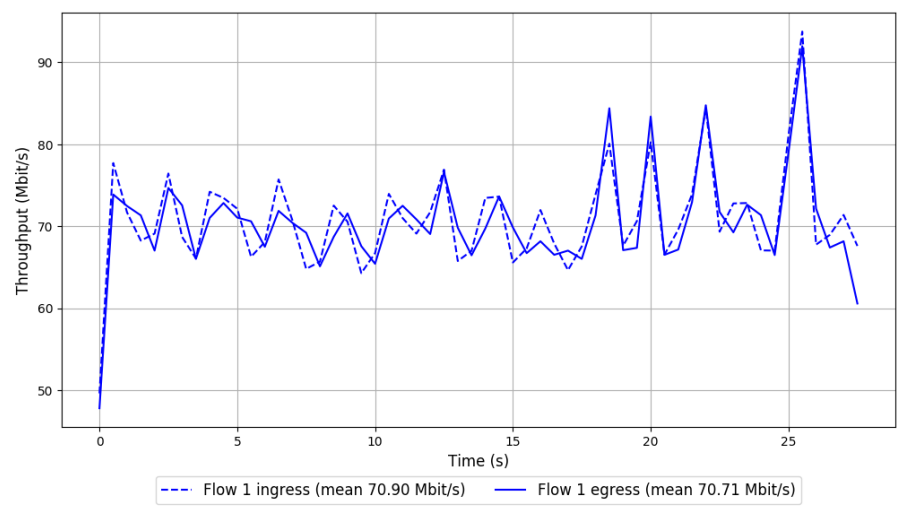
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 69.92 Mbit/s)   Flow 1 egress (mean 69.93 Mbit/s)

• Flow 1 (95th percentile 29.73 ms)

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

Start at: 2017-10-10 20:39:55
End at: 2017-10-10 20:40:25
Local clock offset: 2.624 ms
Remote clock offset: 3.811 ms


# Below is generated by plot.py at 2017-10-10 23:59:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.71 Mbit/s
95th percentile per-packet one-way delay: 29.596 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 70.71 Mbit/s
95th percentile per-packet one-way delay: 29.596 ms
Loss rate: 0.46%
```

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

```
Run 1: Statistics of TCP Vegas

Start at: 2017-10-10 17:48:53
End at: 2017-10-10 17:49:23
Local clock offset: 4.778 ms
Remote clock offset: -1.422 ms


# Below is generated by plot.py at 2017-10-10 23:59:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 35.494 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 82.77 Mbit/s
95th percentile per-packet one-way delay: 35.494 ms
Loss rate: 0.15%
```
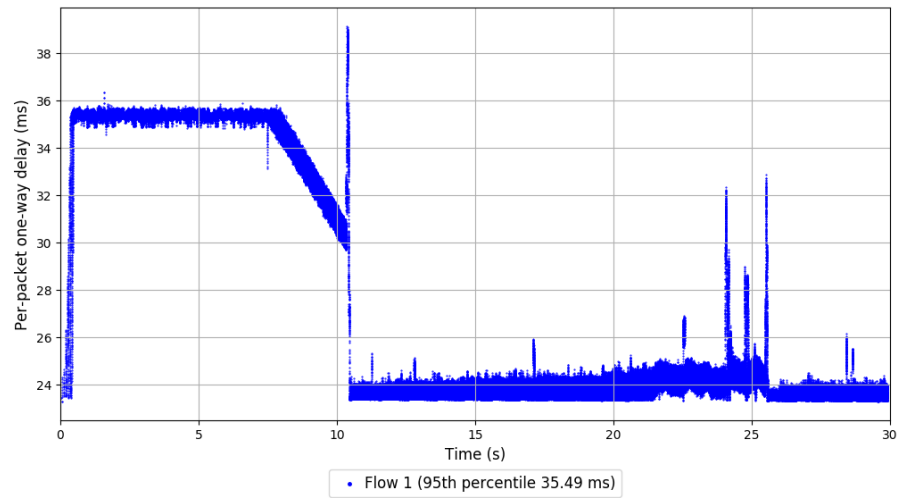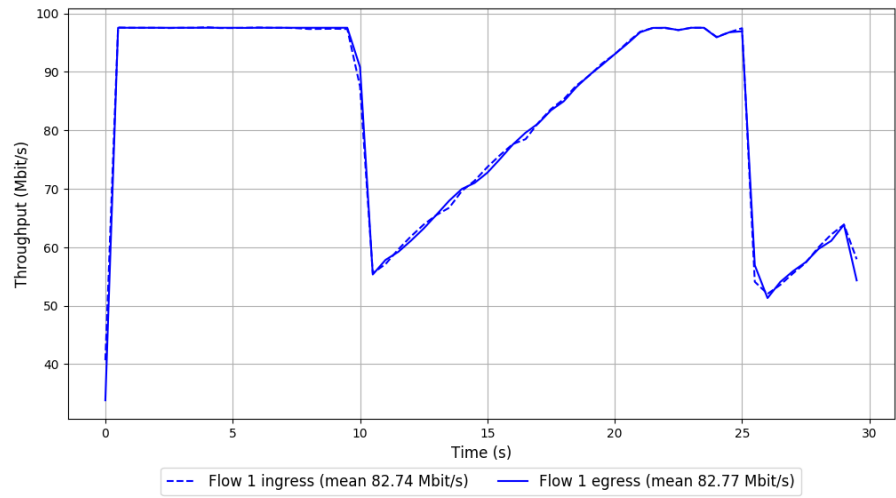
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2017-10-10 18:07:33
End at: 2017-10-10 18:08:03
Local clock offset: 1.874 ms
Remote clock offset: 2.902 ms


# Below is generated by plot.py at 2017-10-10 23:59:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.74 Mbit/s
95th percentile per-packet one-way delay: 31.736 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 64.74 Mbit/s
95th percentile per-packet one-way delay: 31.736 ms
Loss rate: 0.08%
```
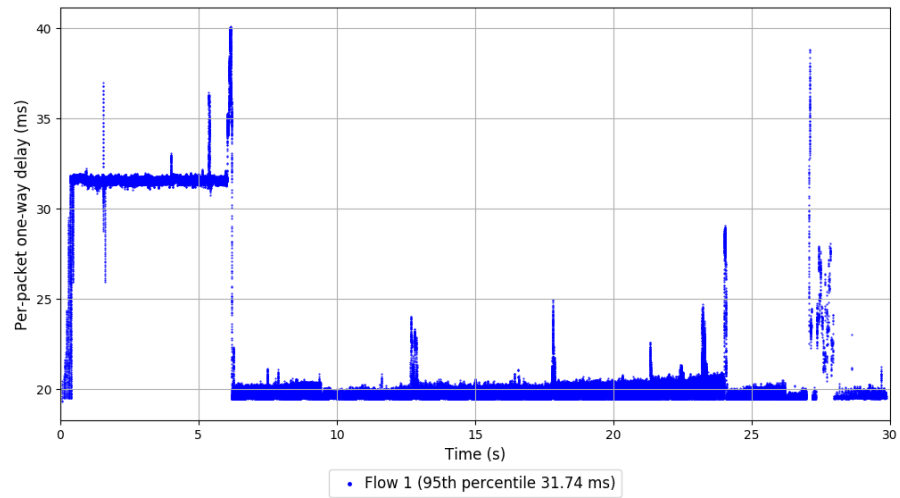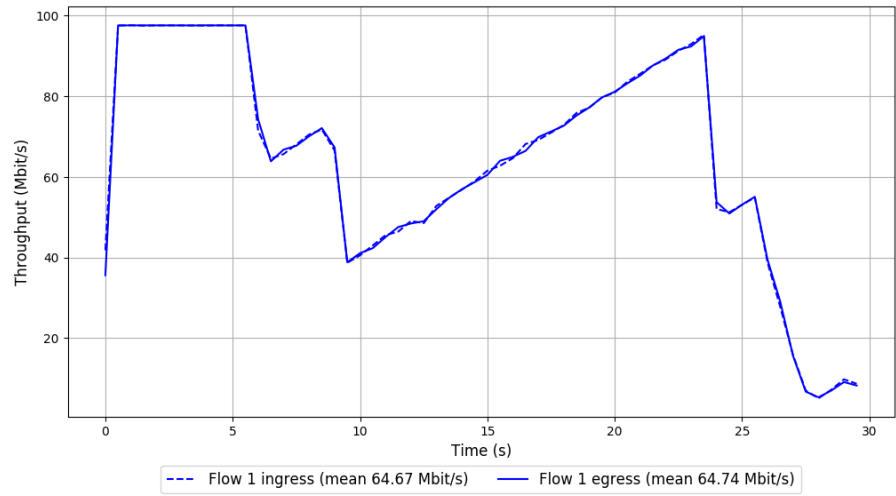
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2017-10-10 18:26:14
End at: 2017-10-10 18:26:44
Local clock offset: 4.812 ms
Remote clock offset: 3.334 ms


# Below is generated by plot.py at 2017-10-10 23:59:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.13 Mbit/s
95th percentile per-packet one-way delay: 31.583 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 52.13 Mbit/s
95th percentile per-packet one-way delay: 31.583 ms
Loss rate: 0.25%
```
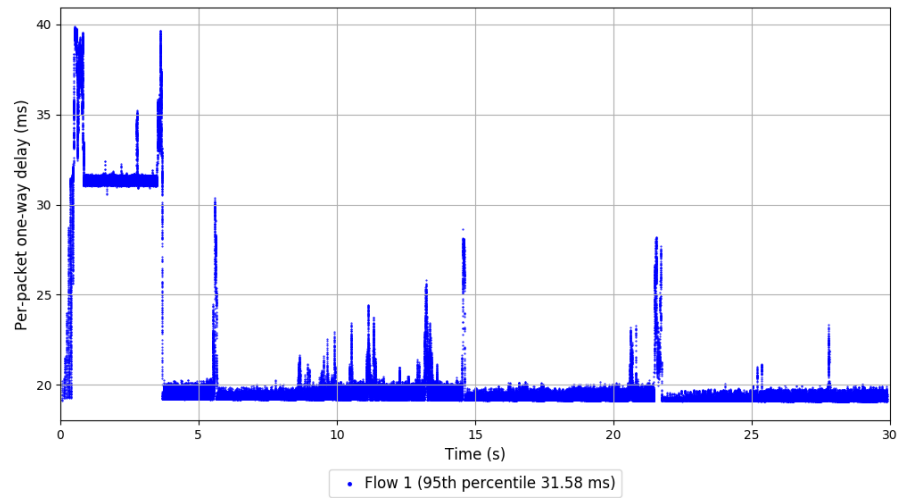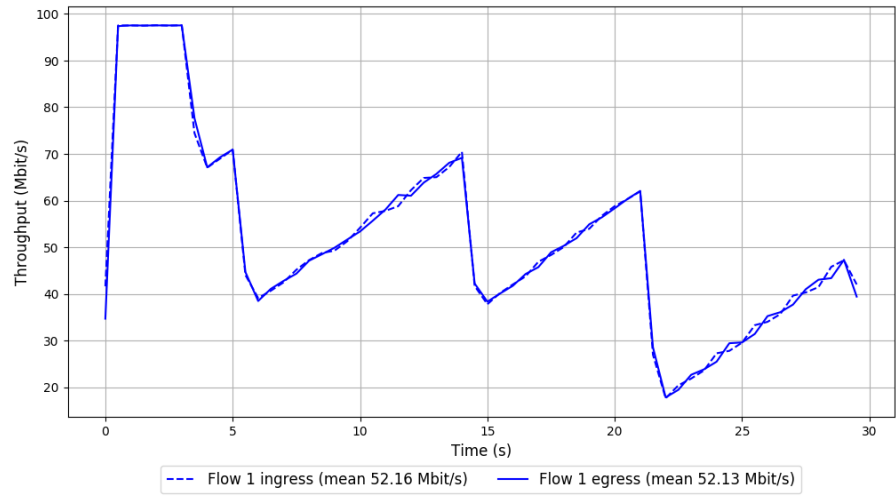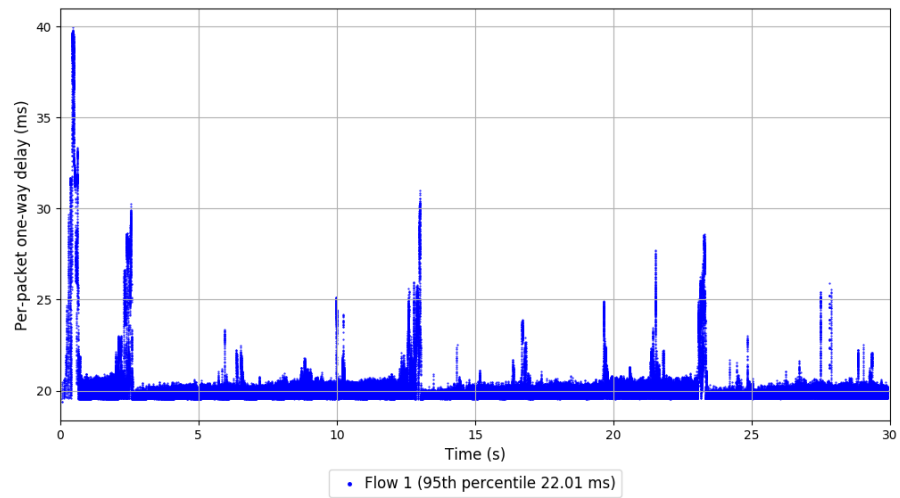
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 52.16 Mbit/s)   Flow 1 egress (mean 52.13 Mbit/s)

• Flow 1 (95th percentile 31.58 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2017-10-10 18:45:05
End at: 2017-10-10 18:45:35
Local clock offset: 4.882 ms
Remote clock offset: 3.438 ms


# Below is generated by plot.py at 2017-10-10 23:59:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.21 Mbit/s
95th percentile per-packet one-way delay: 22.008 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 65.21 Mbit/s
95th percentile per-packet one-way delay: 22.008 ms
Loss rate: 0.21%
```
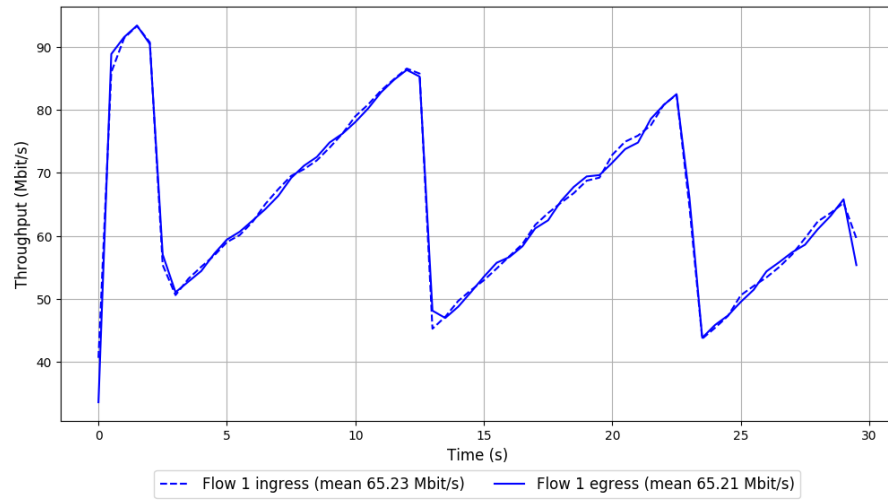
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2017-10-10 19:04:14
End at: 2017-10-10 19:04:44
Local clock offset: 1.975 ms
Remote clock offset: 3.276 ms


# Below is generated by plot.py at 2017-10-10 23:59:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.67 Mbit/s
95th percentile per-packet one-way delay: 31.728 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 54.67 Mbit/s
95th percentile per-packet one-way delay: 31.728 ms
Loss rate: 0.23%
```
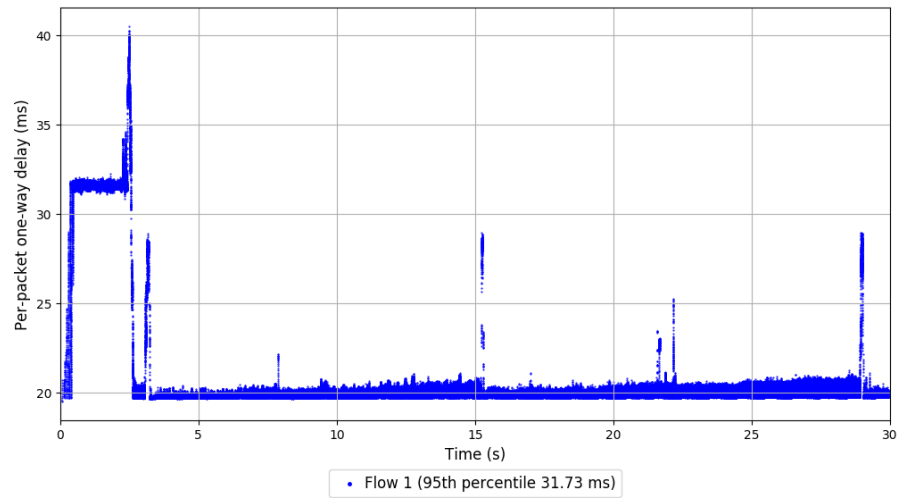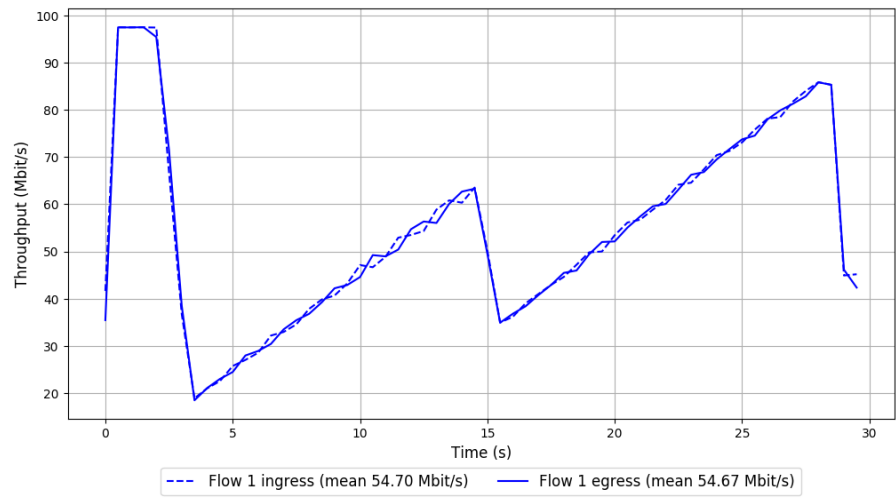
Run 5: Report of TCP Vegas — Data Link

```
Run 6: Statistics of TCP Vegas

Start at: 2017-10-10 19:23:06
End at: 2017-10-10 19:23:36
Local clock offset: 1.739 ms
Remote clock offset: 3.421 ms


# Below is generated by plot.py at 2017-10-10 23:59:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.35 Mbit/s
95th percentile per-packet one-way delay: 31.645 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 82.35 Mbit/s
95th percentile per-packet one-way delay: 31.645 ms
Loss rate: 0.22%
```
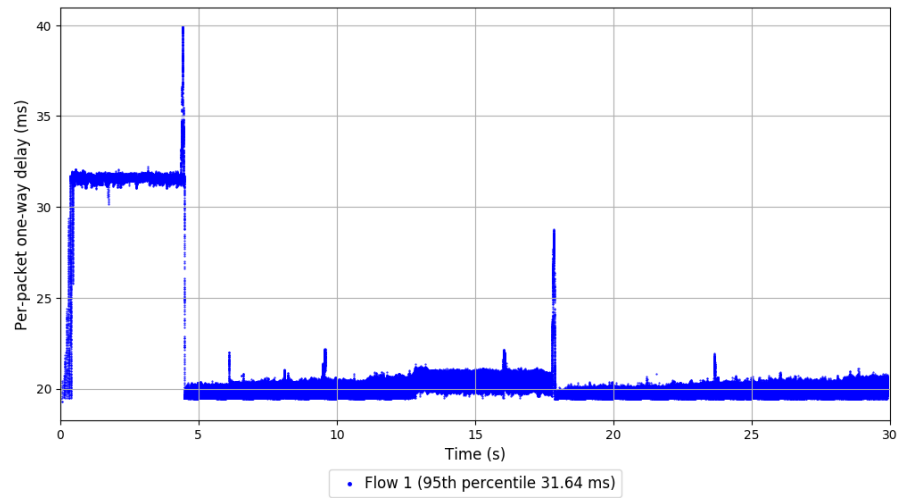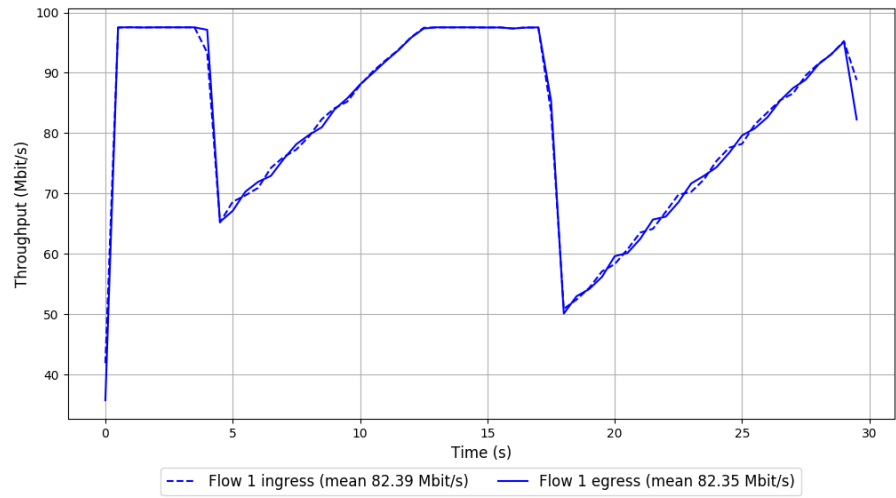
Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2017-10-10 19:41:56
End at: 2017-10-10 19:42:26
Local clock offset: 2.457 ms
Remote clock offset: 3.493 ms


# Below is generated by plot.py at 2017-10-11 00:00:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.47 Mbit/s
95th percentile per-packet one-way delay: 31.410 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 82.47 Mbit/s
95th percentile per-packet one-way delay: 31.410 ms
Loss rate: 0.23%
```
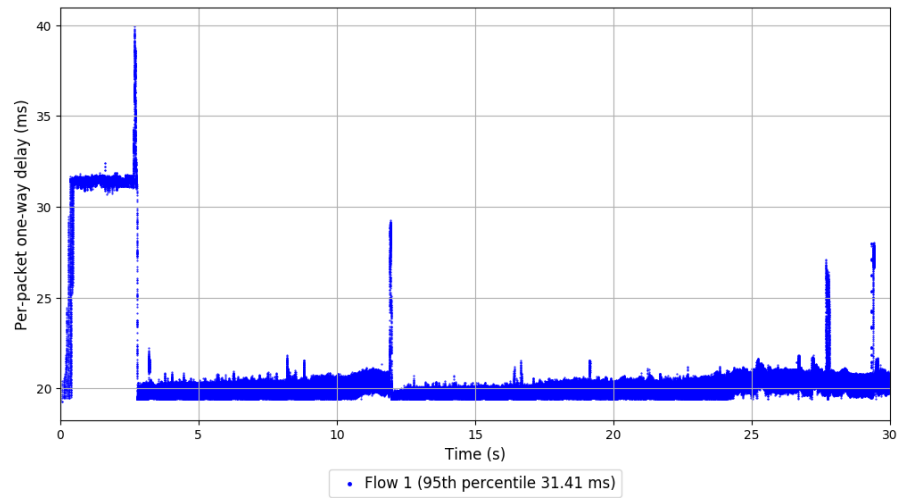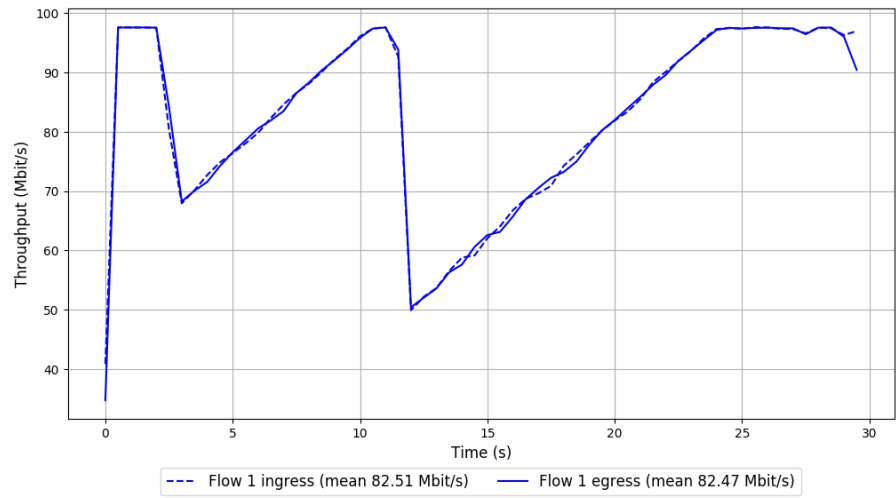
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 82.51 Mbit/s)   Flow 1 egress (mean 82.47 Mbit/s)

Flow 1 (95th percentile 31.41 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2017-10-10 20:00:43
End at: 2017-10-10 20:01:13
Local clock offset: 1.19 ms
Remote clock offset: 3.754 ms


# Below is generated by plot.py at 2017-10-11 00:00:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.89 Mbit/s
95th percentile per-packet one-way delay: 31.732 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 48.89 Mbit/s
95th percentile per-packet one-way delay: 31.732 ms
Loss rate: 0.18%
```
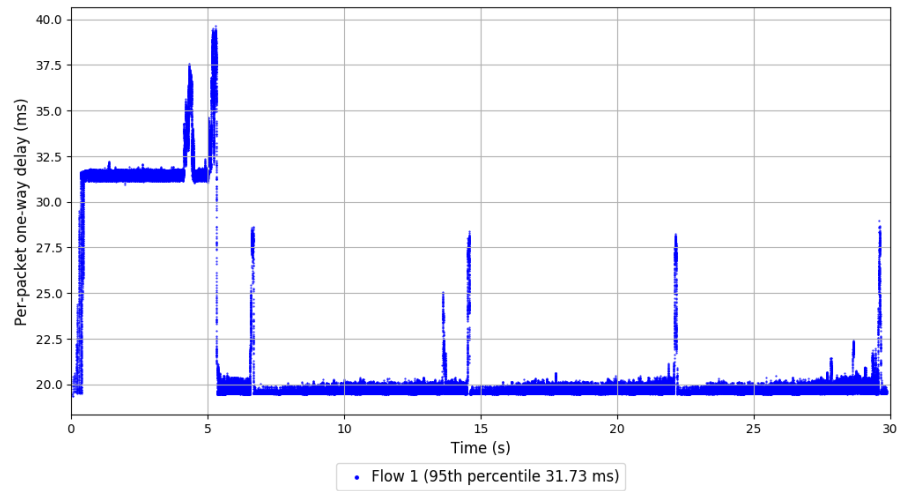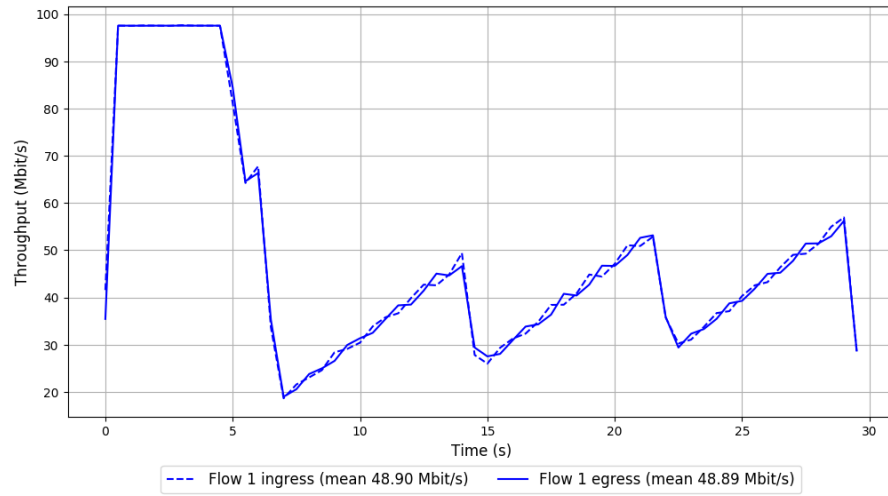
Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: 2017-10-10 20:19:43
End at: 2017-10-10 20:20:13
Local clock offset: 1.842 ms
Remote clock offset: 3.781 ms


# Below is generated by plot.py at 2017-10-11 00:00:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 31.667 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 31.667 ms
Loss rate: 0.30%
```
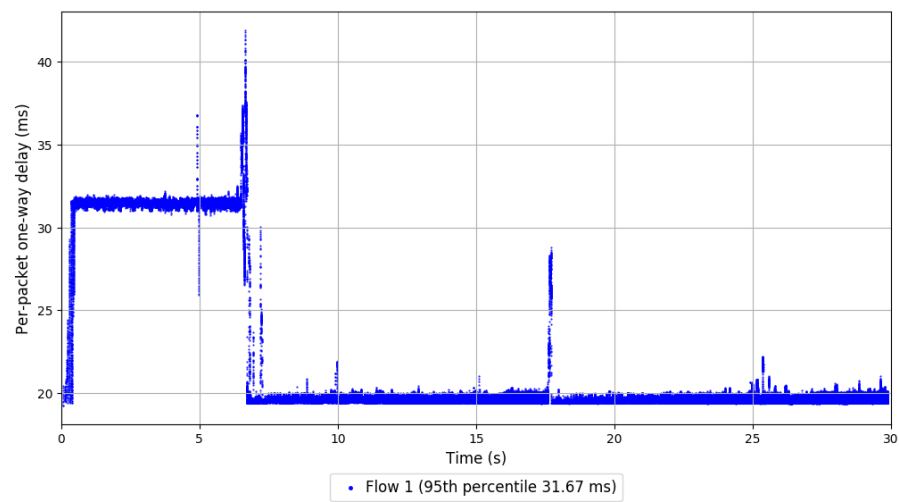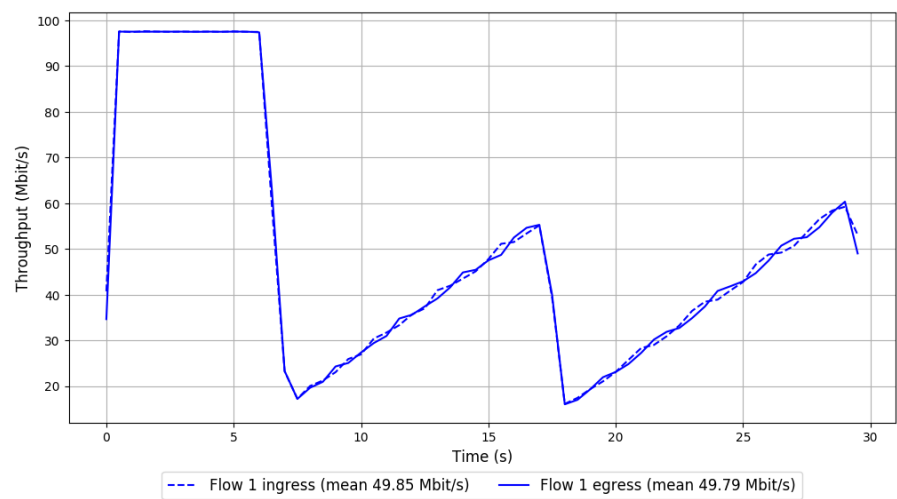
Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: 2017-10-10 20:38:36
End at: 2017-10-10 20:39:06
Local clock offset: 2.627 ms
Remote clock offset: 3.842 ms


# Below is generated by plot.py at 2017-10-11 00:00:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 29.156 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 50.03 Mbit/s
95th percentile per-packet one-way delay: 29.156 ms
Loss rate: 0.35%
```
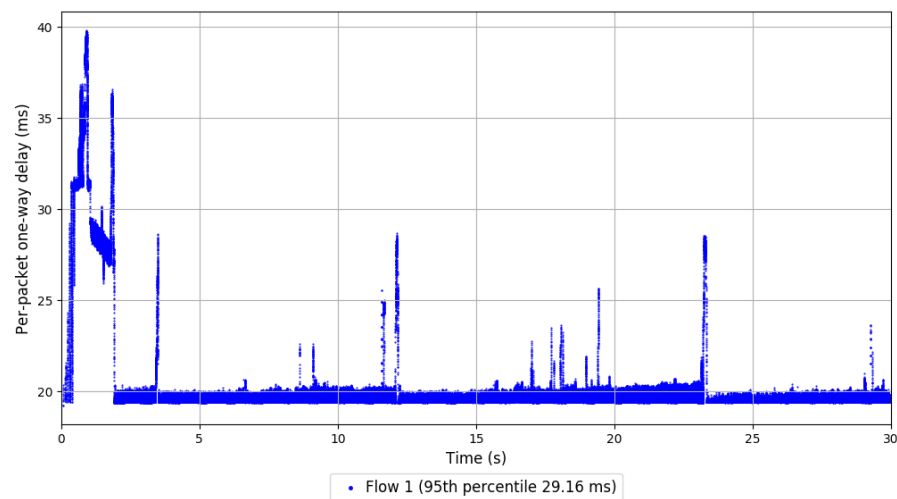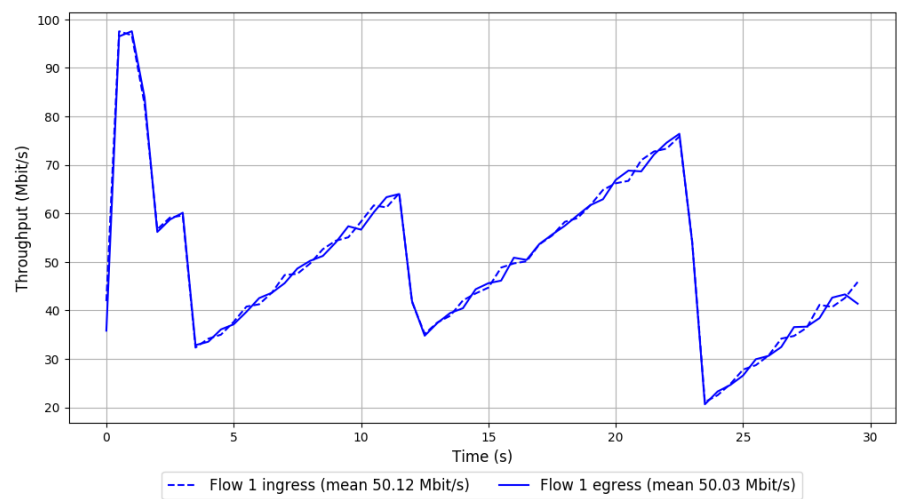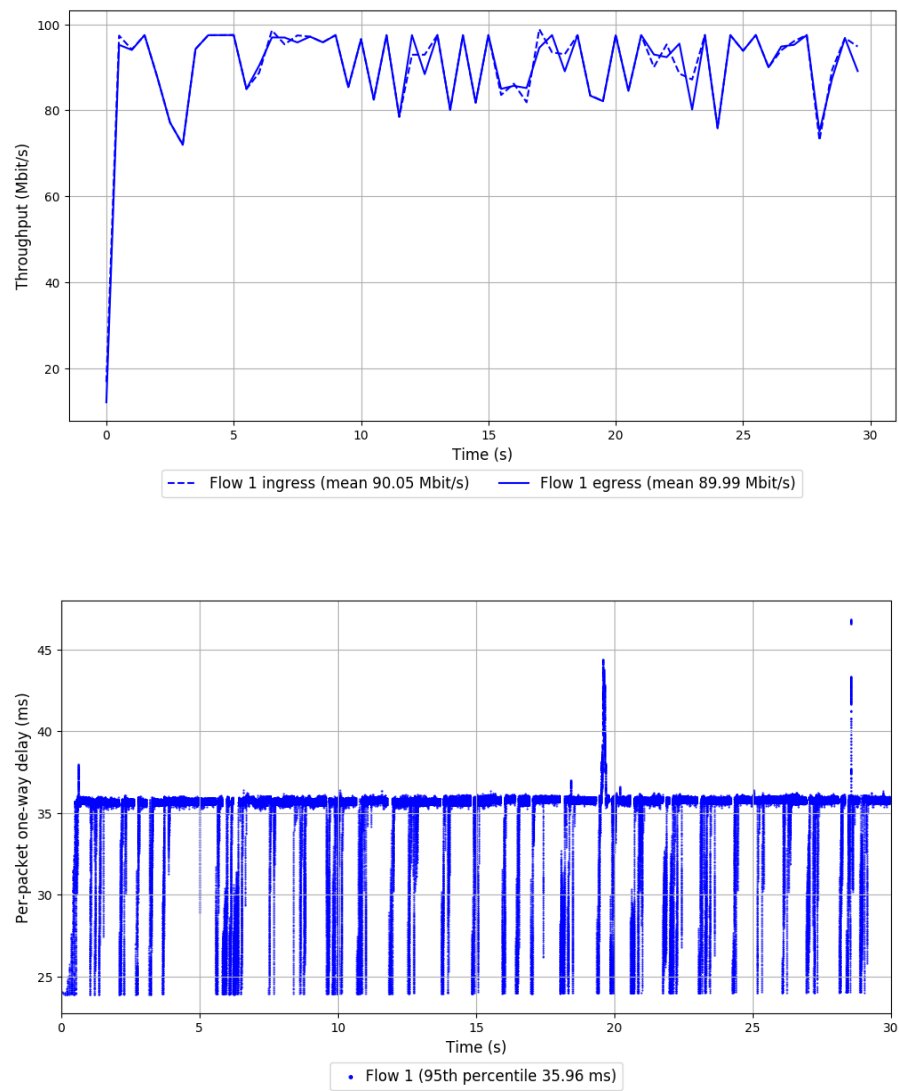
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2017-10-10 17:46:12
End at: 2017-10-10 17:46:42
Local clock offset: 5.275 ms
Remote clock offset: -1.542 ms

# Below is generated by plot.py at 2017-10-11 00:00:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 35.956 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 89.99 Mbit/s
95th percentile per-packet one-way delay: 35.956 ms
Loss rate: 0.24%
```

Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 90.05 Mbit/s)   Flow 1 egress (mean 89.99 Mbit/s)

• Flow 1 (95th percentile 35.96 ms)

```
Run 2: Statistics of Verus

Start at: 2017-10-10 18:04:52
End at: 2017-10-10 18:05:22
Local clock offset: 2.031 ms
Remote clock offset: 2.883 ms


# Below is generated by plot.py at 2017-10-11 00:00:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 31.661 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 31.661 ms
Loss rate: 0.29%
```
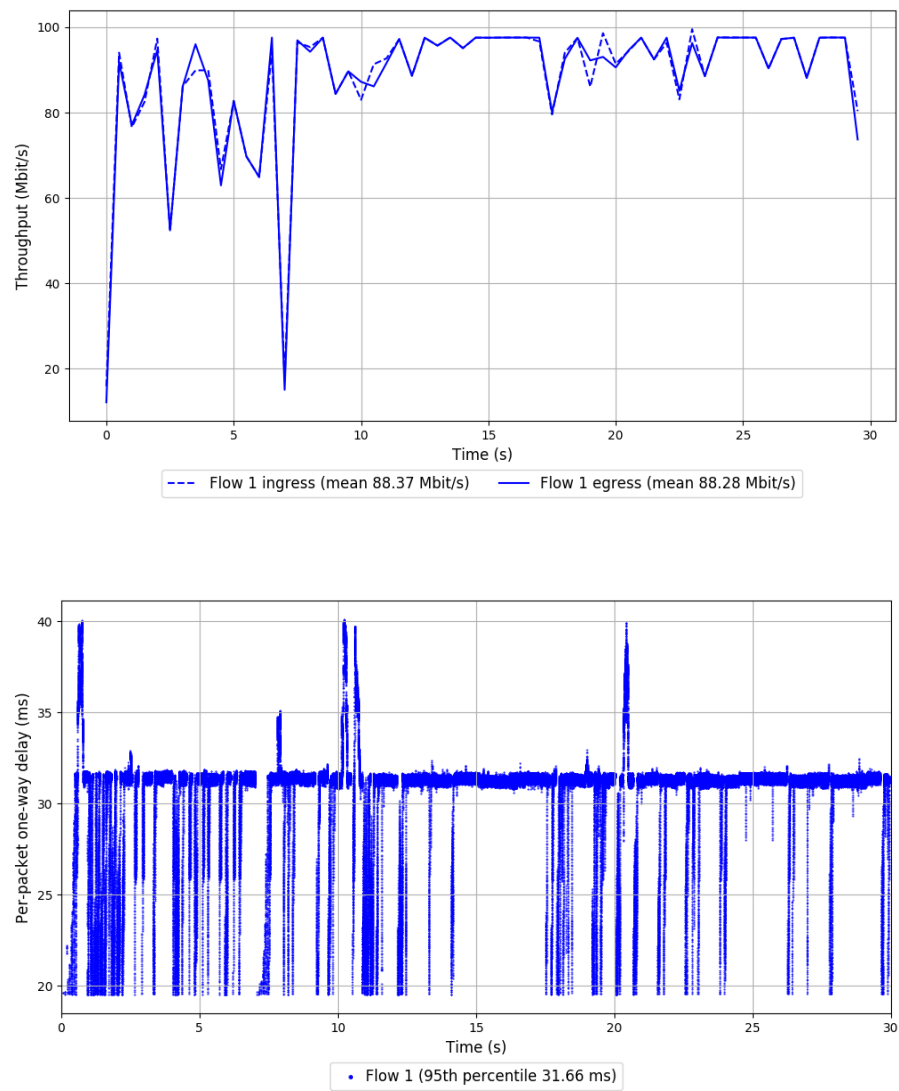
Run 2: Report of Verus — Data Link

Flow 1 ingress (mean 88.37 Mbit/s) --- Flow 1 egress (mean 88.28 Mbit/s)

• Flow 1 (95th percentile 31.66 ms)

```
Run 3: Statistics of Verus

Start at: 2017-10-10 18:23:29
End at: 2017-10-10 18:23:59
Local clock offset: 3.945 ms
Remote clock offset: 3.27 ms


# Below is generated by plot.py at 2017-10-11 00:01:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.78 Mbit/s
95th percentile per-packet one-way delay: 35.746 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 91.78 Mbit/s
95th percentile per-packet one-way delay: 35.746 ms
Loss rate: 0.22%
```
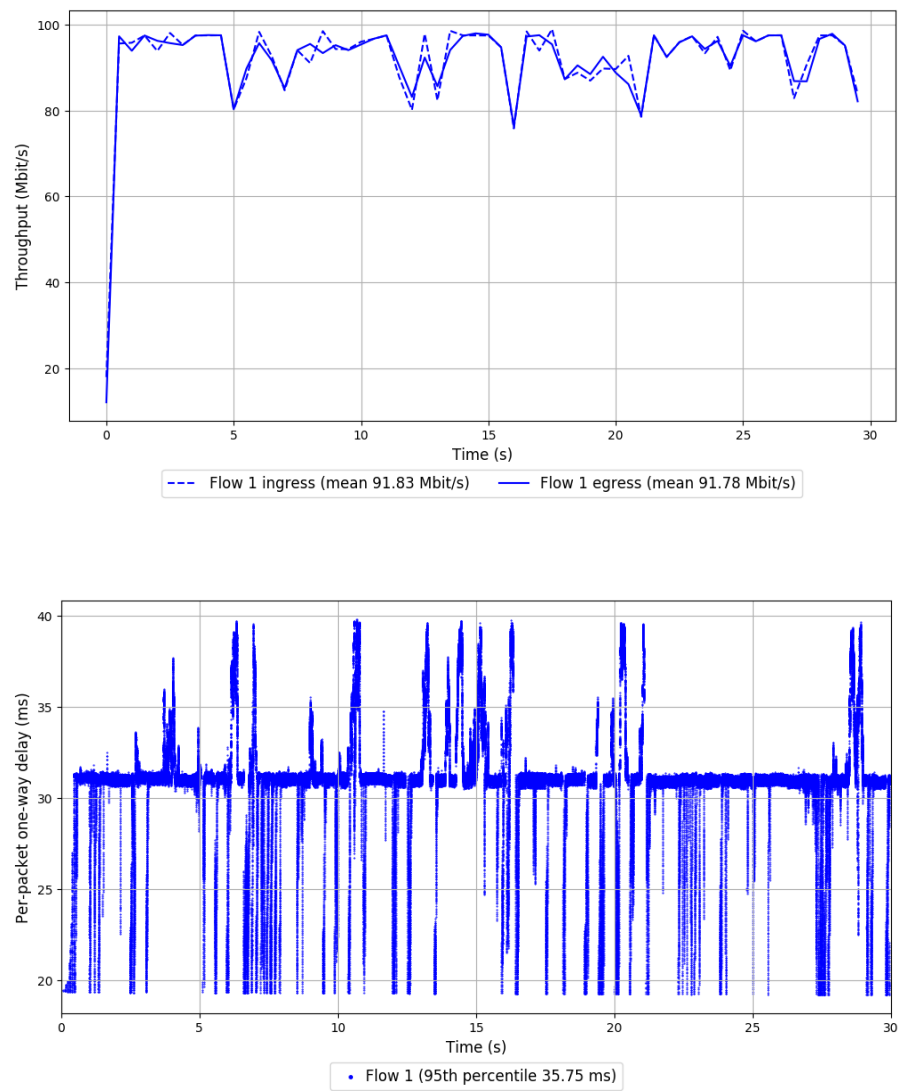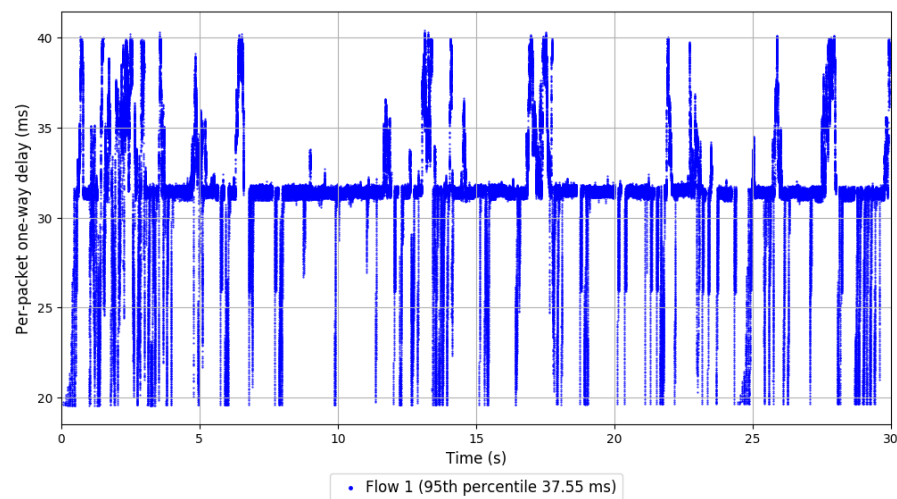
Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 91.83 Mbit/s) --- Flow 1 egress (mean 91.78 Mbit/s)

Flow 1 (95th percentile 35.75 ms)

```
Run 4: Statistics of Verus

Start at: 2017-10-10 18:42:18
End at: 2017-10-10 18:42:48
Local clock offset: 5.359 ms
Remote clock offset: 3.485 ms


# Below is generated by plot.py at 2017-10-11 00:01:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 37.550 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 87.33 Mbit/s
95th percentile per-packet one-way delay: 37.550 ms
Loss rate: 0.40%
```
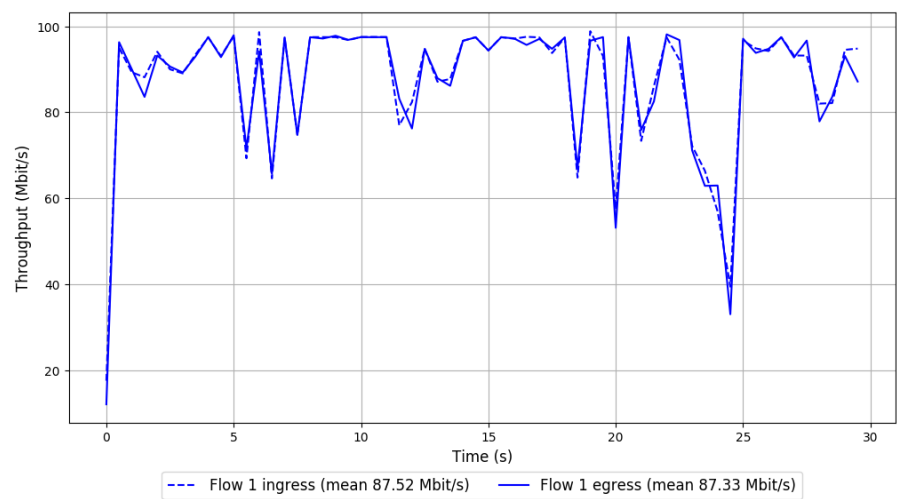
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2017-10-10 19:01:25
End at: 2017-10-10 19:01:55
Local clock offset: 1.972 ms
Remote clock offset: 3.293 ms


# Below is generated by plot.py at 2017-10-11 00:01:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 37.689 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 37.689 ms
Loss rate: 0.47%
```
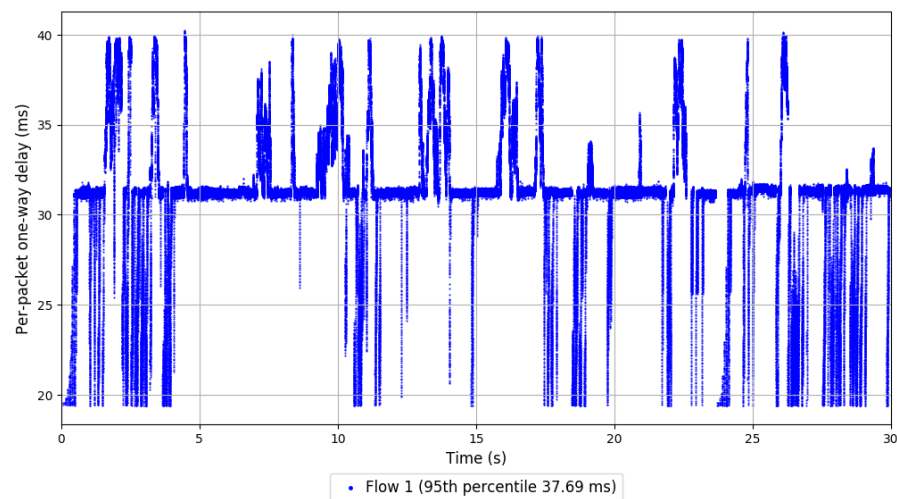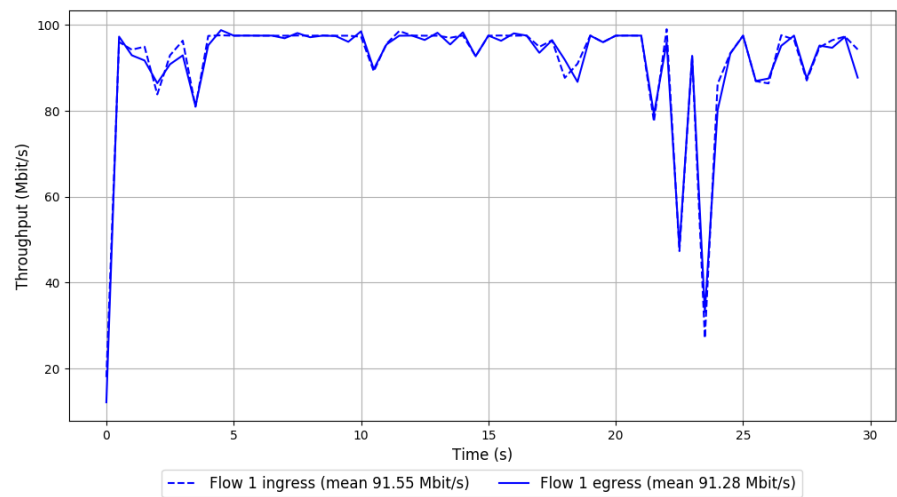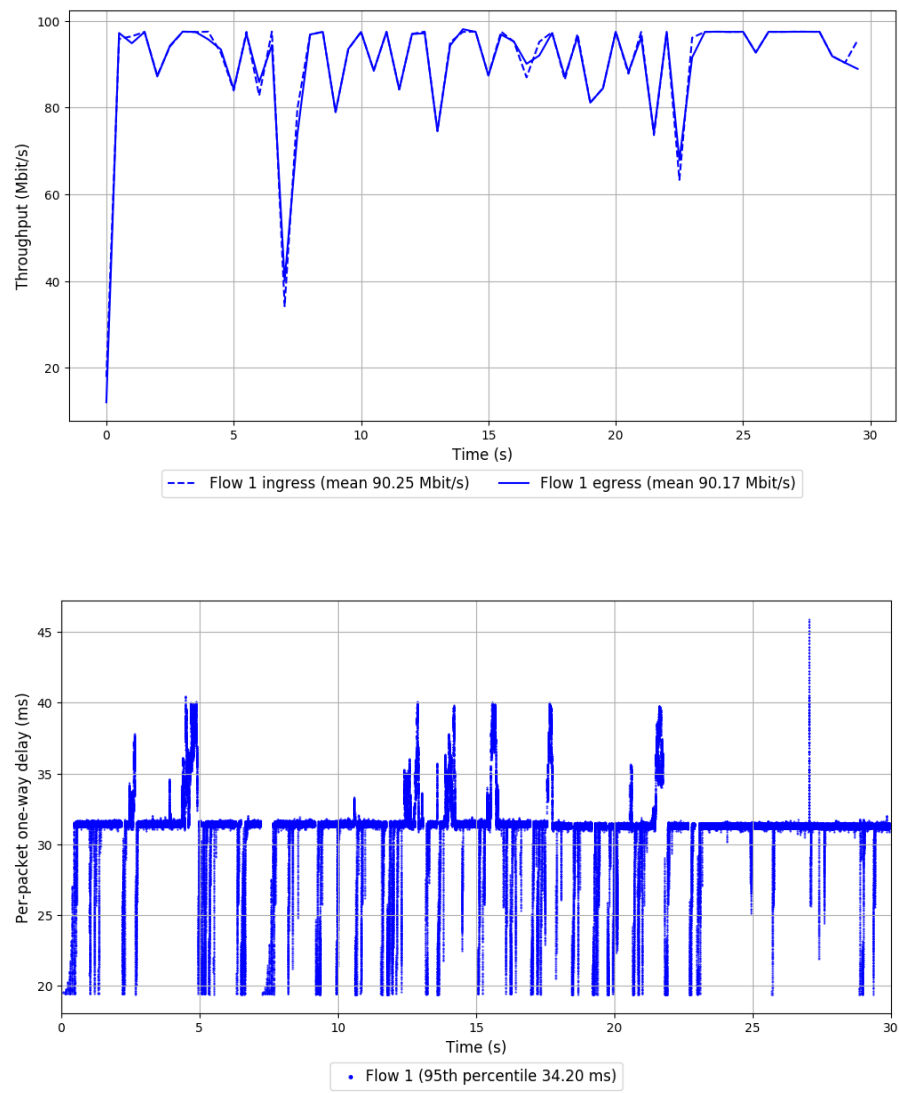
Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 91.55 Mbit/s)   Flow 1 egress (mean 91.28 Mbit/s)

Flow 1 (95th percentile 37.69 ms)

```
Run 6: Statistics of Verus

Start at: 2017-10-10 19:20:22
End at: 2017-10-10 19:20:52
Local clock offset: 1.55 ms
Remote clock offset: 3.437 ms


# Below is generated by plot.py at 2017-10-11 00:01:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.17 Mbit/s
95th percentile per-packet one-way delay: 34.201 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 90.17 Mbit/s
95th percentile per-packet one-way delay: 34.201 ms
Loss rate: 0.29%
```
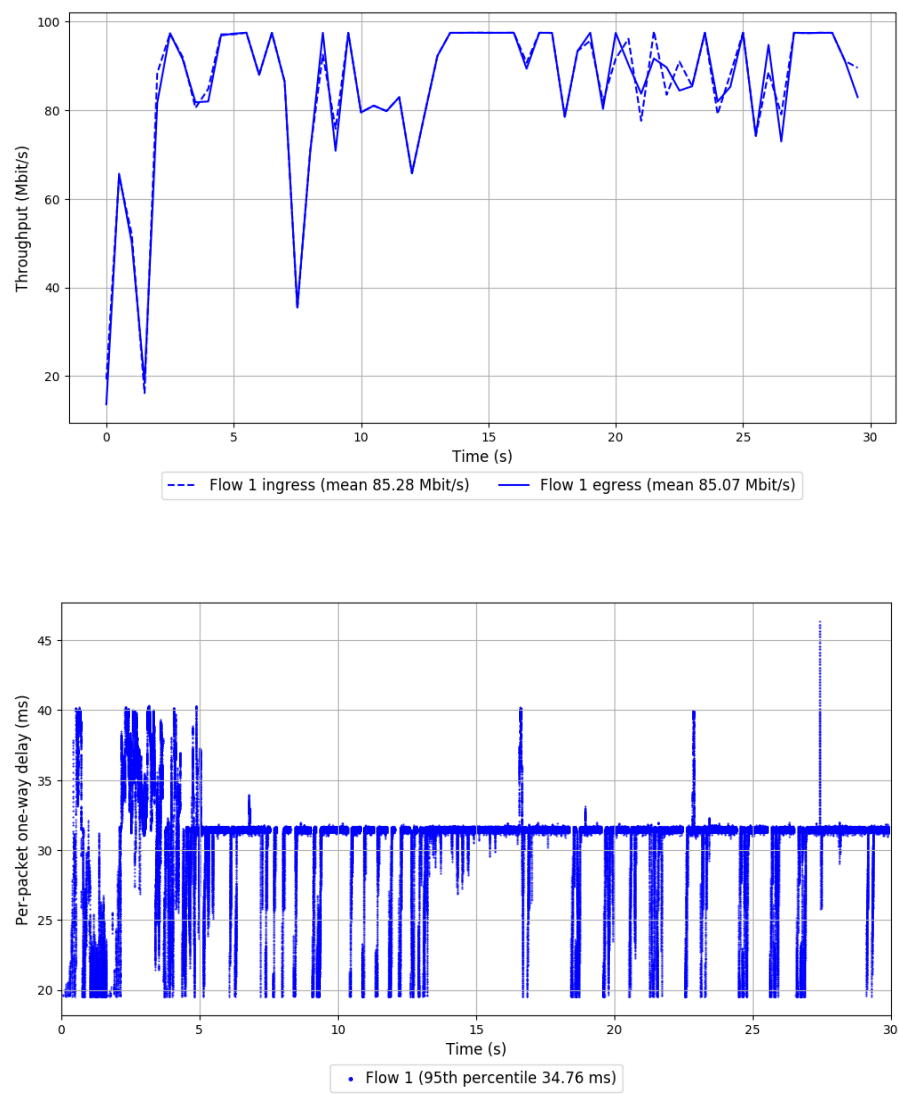
Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 90.25 Mbit/s)   Flow 1 egress (mean 90.17 Mbit/s)

Flow 1 (95th percentile 34.20 ms)

```
Run 7: Statistics of Verus

Start at: 2017-10-10 19:39:14
End at: 2017-10-10 19:39:44
Local clock offset: 2.52 ms
Remote clock offset: 3.486 ms


# Below is generated by plot.py at 2017-10-11 00:01:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 34.759 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 85.07 Mbit/s
95th percentile per-packet one-way delay: 34.759 ms
Loss rate: 0.43%
```
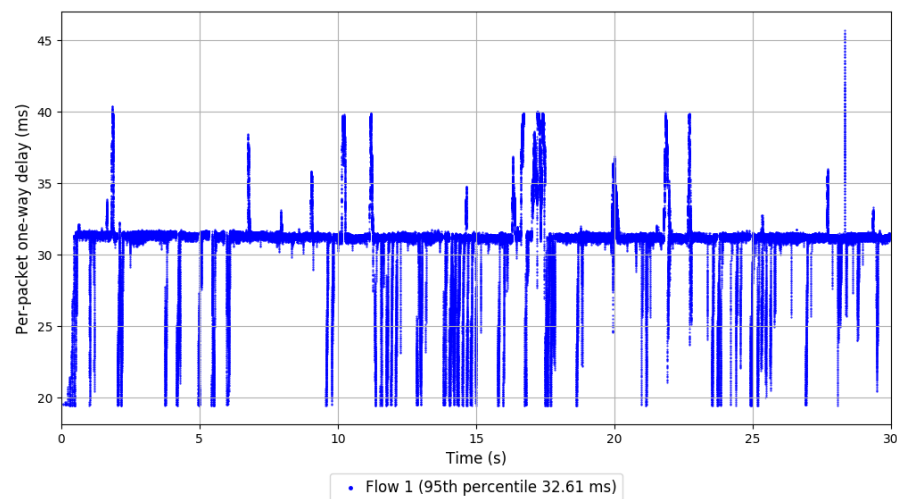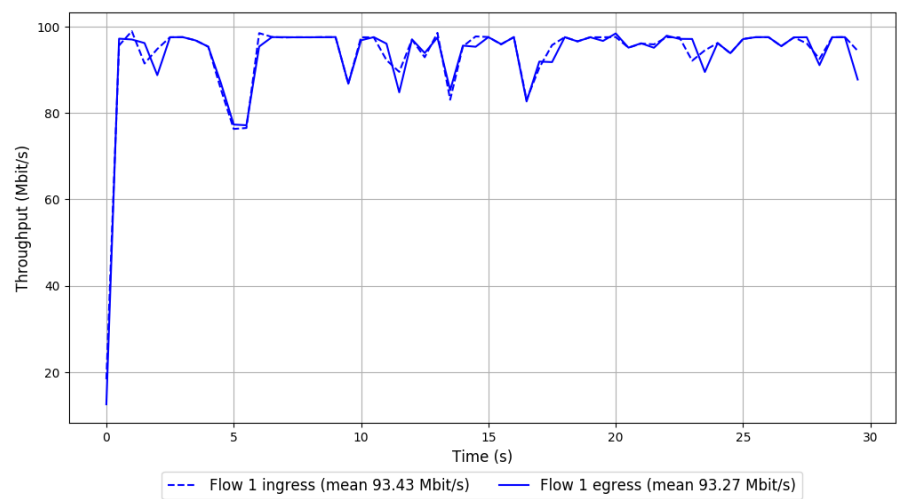
Run 7: Report of Verus — Data Link

Flow 1 ingress (mean 85.28 Mbit/s)   Flow 1 egress (mean 85.07 Mbit/s)

• Flow 1 (95th percentile 34.76 ms)

```
Run 8: Statistics of Verus

Start at: 2017-10-10 19:57:57
End at: 2017-10-10 19:58:27
Local clock offset: 1.082 ms
Remote clock offset: 3.645 ms


# Below is generated by plot.py at 2017-10-11 00:01:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 32.606 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 93.27 Mbit/s
95th percentile per-packet one-way delay: 32.606 ms
Loss rate: 0.35%
```
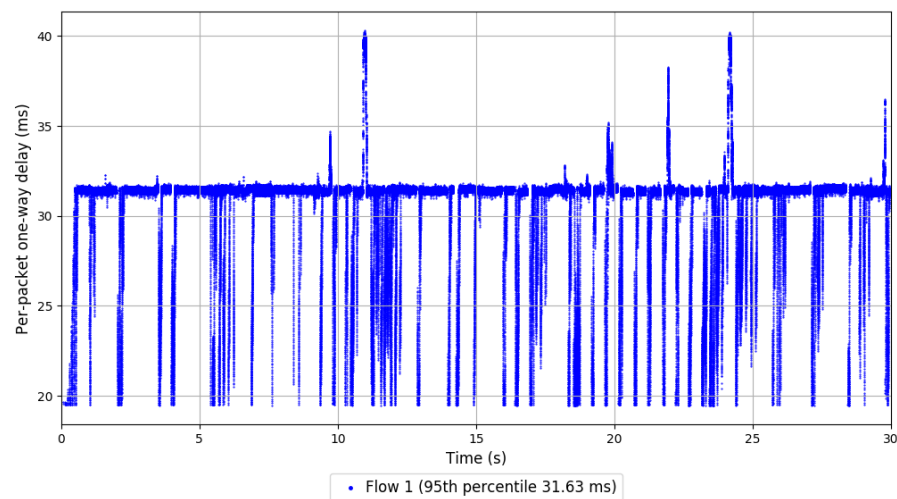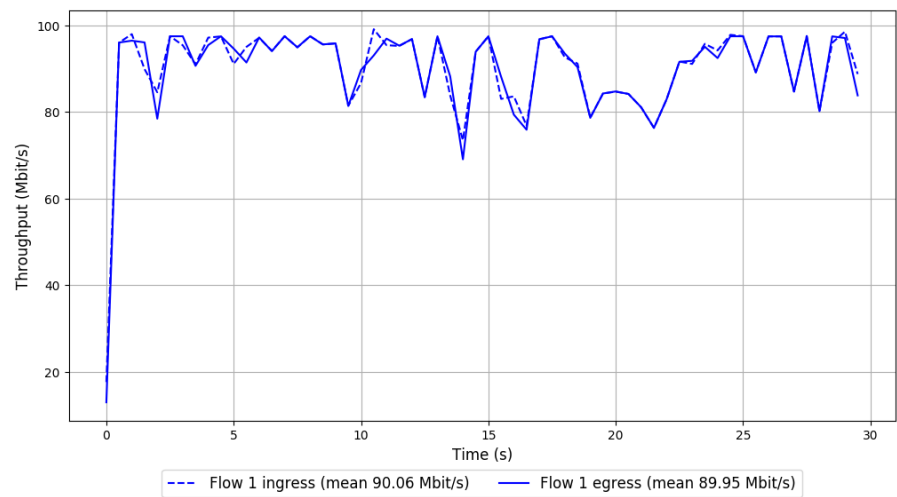
Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 93.43 Mbit/s) --- Flow 1 egress (mean 93.27 Mbit/s)

Flow 1 (95th percentile 32.61 ms)

```
Run 9: Statistics of Verus

Start at: 2017-10-10 20:16:57
End at: 2017-10-10 20:17:27
Local clock offset: 1.768 ms
Remote clock offset: 3.742 ms


# Below is generated by plot.py at 2017-10-11 00:01:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 31.627 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 31.627 ms
Loss rate: 0.27%
```

Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2017-10-10 20:35:52
End at: 2017-10-10 20:36:22
Local clock offset: 2.686 ms
Remote clock offset: 3.81 ms


# Below is generated by plot.py at 2017-10-11 00:02:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.31 Mbit/s
95th percentile per-packet one-way delay: 31.575 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 91.31 Mbit/s
95th percentile per-packet one-way delay: 31.575 ms
Loss rate: 0.33%
```
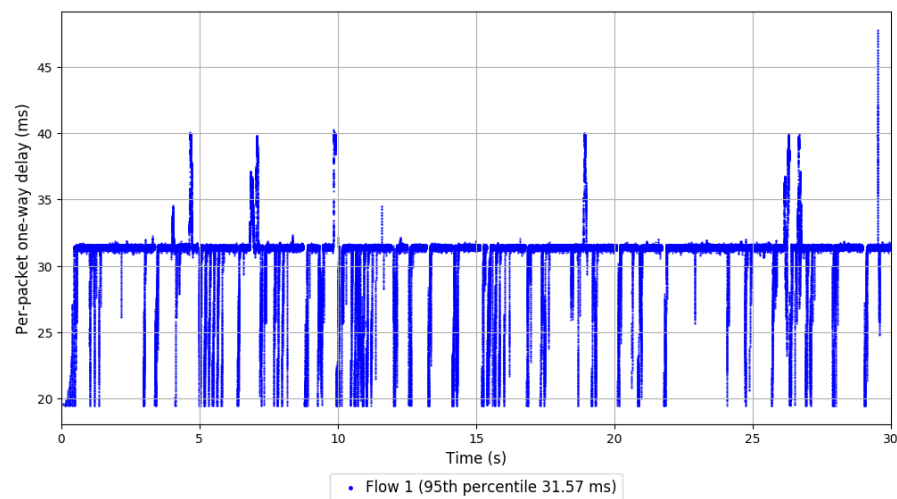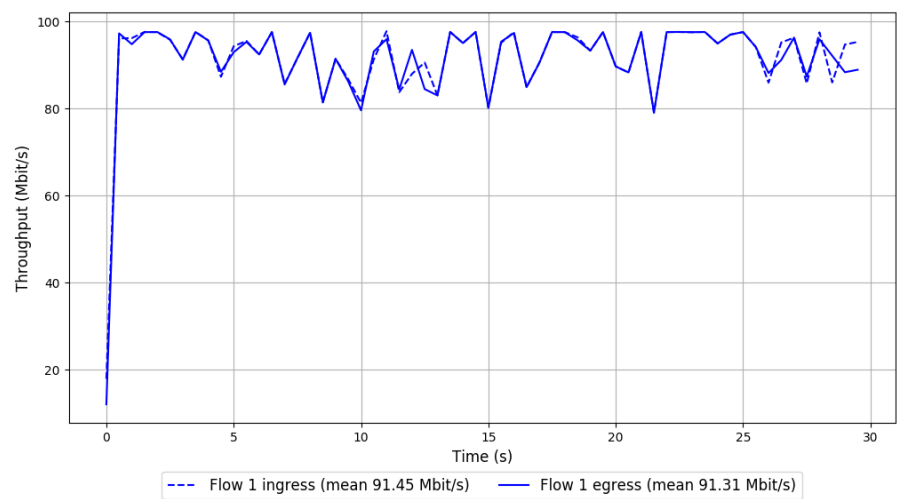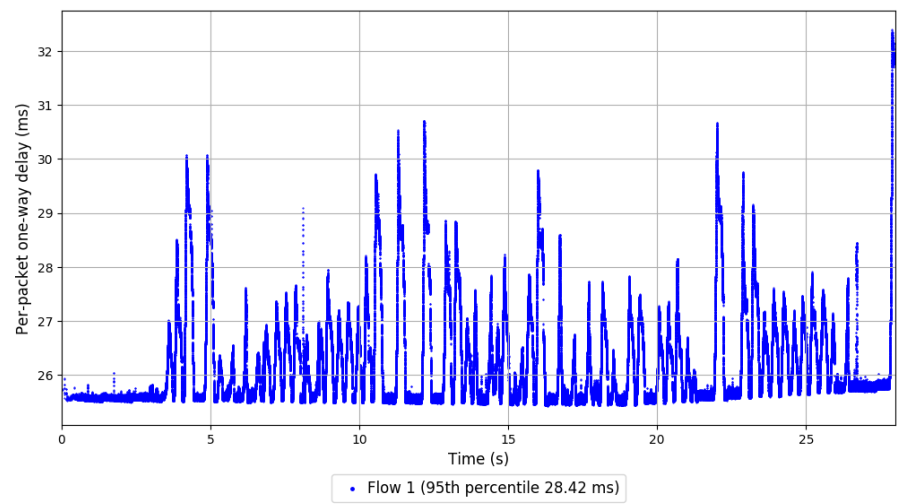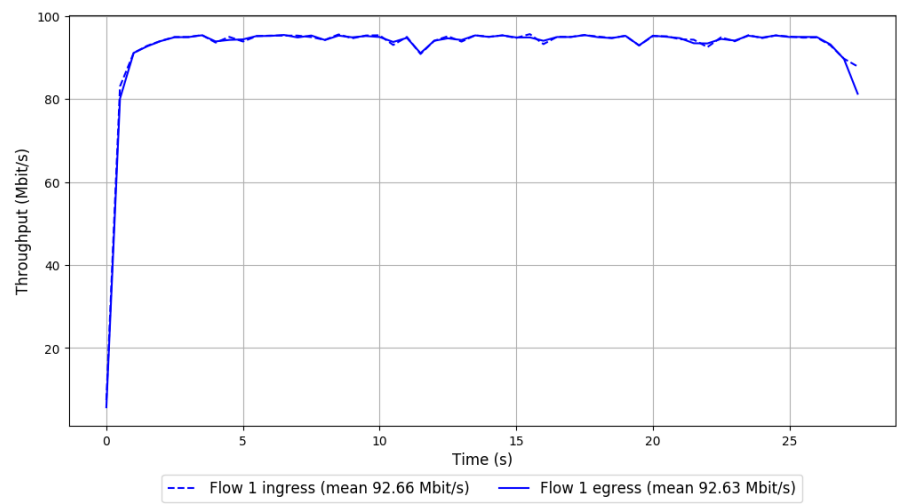
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Copa

Start at: 2017-10-10 17:36:51
End at: 2017-10-10 17:37:22
Local clock offset: 12.037 ms
Remote clock offset: -3.553 ms

# Below is generated by plot.py at 2017-10-11 00:03:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 28.421 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 92.63 Mbit/s
95th percentile per-packet one-way delay: 28.421 ms
Loss rate: 0.22%
```
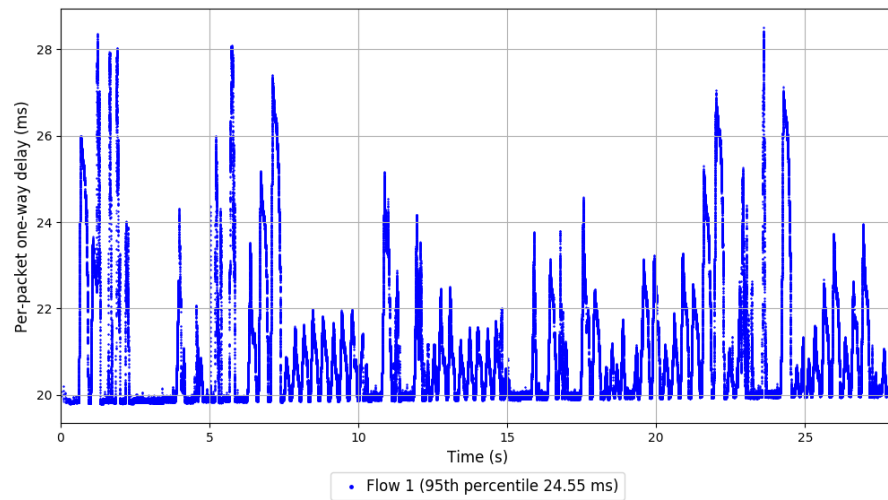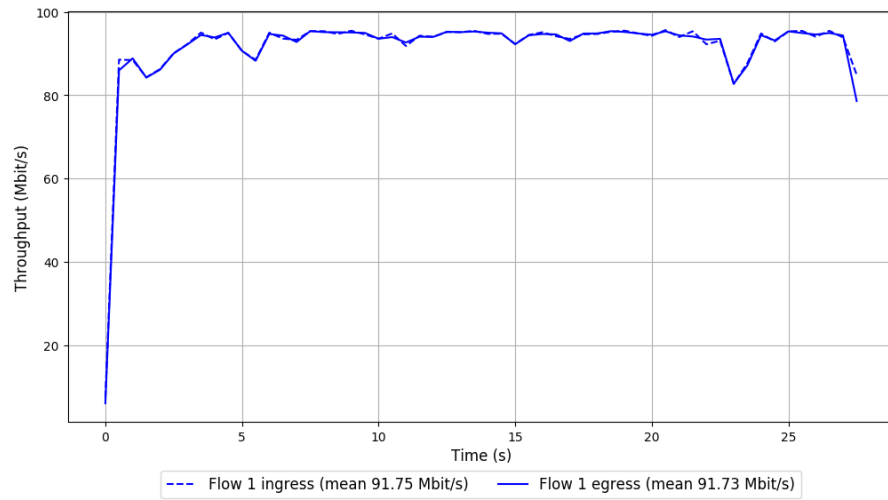
Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2017-10-10 17:55:27
End at: 2017-10-10 17:55:58
Local clock offset: 4.055 ms
Remote clock offset: 2.746 ms

# Below is generated by plot.py at 2017-10-11 00:03:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 24.552 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 24.552 ms
Loss rate: 0.21%
```

Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 91.75 Mbit/s)   Flow 1 egress (mean 91.73 Mbit/s)

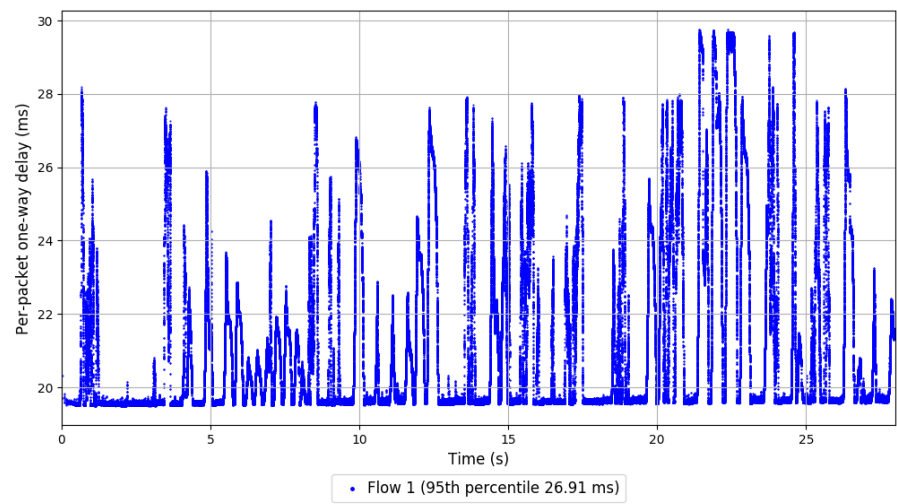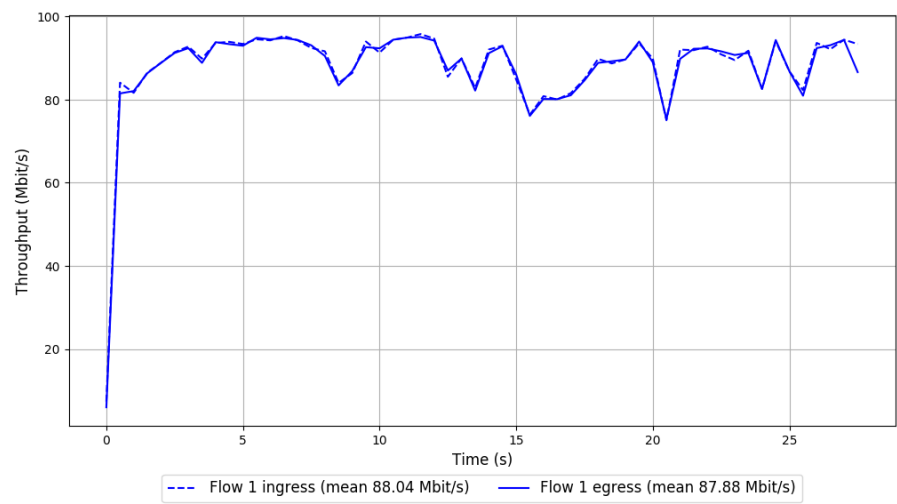• Flow 1 (95th percentile 24.55 ms)

```
Run 3: Statistics of Copa

Start at: 2017-10-10 18:14:11
End at: 2017-10-10 18:14:41
Local clock offset: 2.938 ms
Remote clock offset: 3.078 ms

# Below is generated by plot.py at 2017-10-11 00:03:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 26.909 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 26.909 ms
Loss rate: 0.37%
```
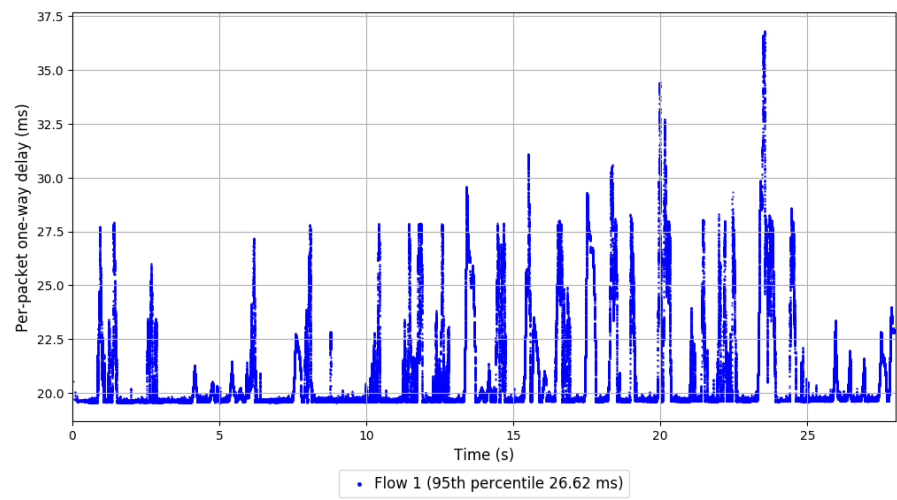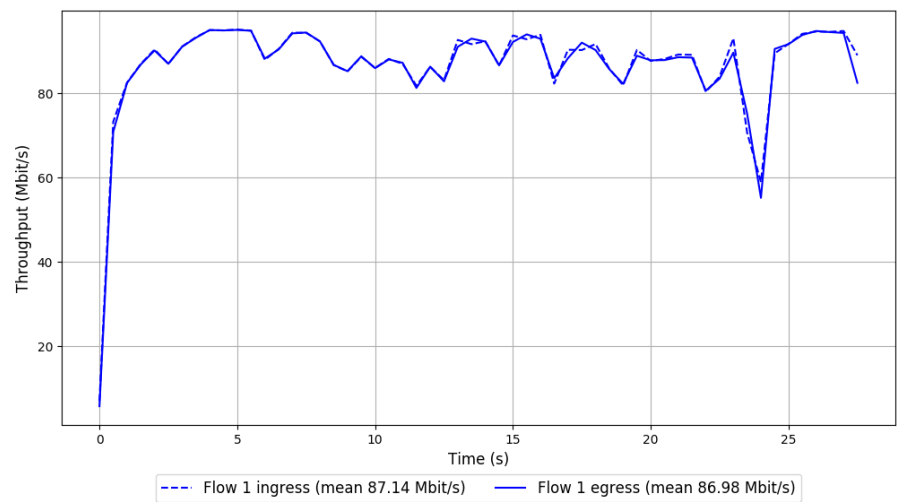
Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2017-10-10 18:32:49
End at: 2017-10-10 18:33:19
Local clock offset: 6.814 ms
Remote clock offset: 3.418 ms

# Below is generated by plot.py at 2017-10-11 00:03:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 26.623 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 86.98 Mbit/s
95th percentile per-packet one-way delay: 26.623 ms
Loss rate: 0.38%
```
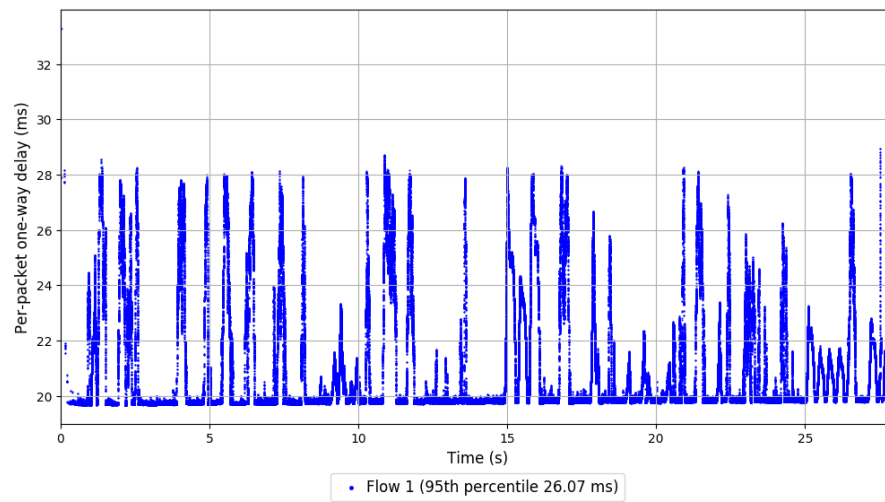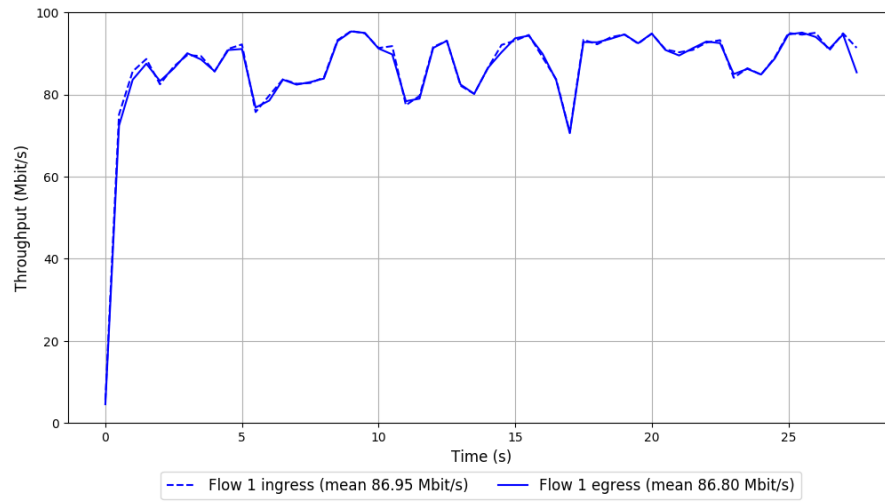
Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 87.14 Mbit/s) — Flow 1 egress (mean 86.98 Mbit/s)

Flow 1 (95th percentile 26.62 ms)

```
Run 5: Statistics of Copa

Start at: 2017-10-10 18:51:53
End at: 2017-10-10 18:52:23
Local clock offset: 3.54 ms
Remote clock offset: 3.406 ms


# Below is generated by plot.py at 2017-10-11 00:03:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 26.065 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 26.065 ms
Loss rate: 0.40%
```

Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2017-10-10 19:10:54
End at: 2017-10-10 19:11:24
Local clock offset: 1.673 ms
Remote clock offset: 3.369 ms


# Below is generated by plot.py at 2017-10-11 00:03:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 25.567 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 25.567 ms
Loss rate: 0.21%
```
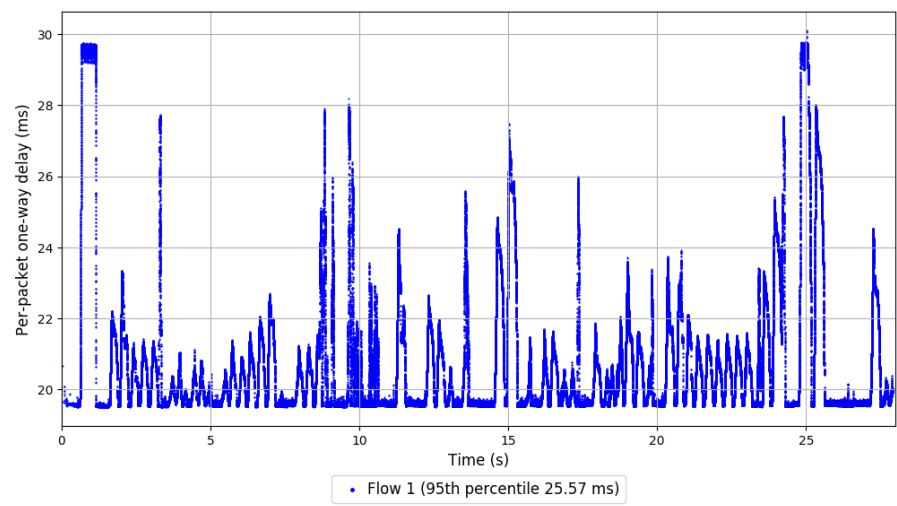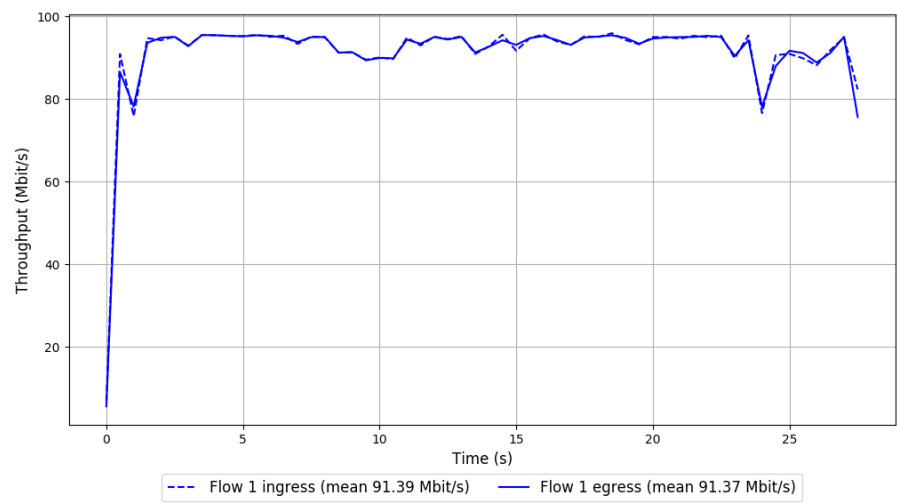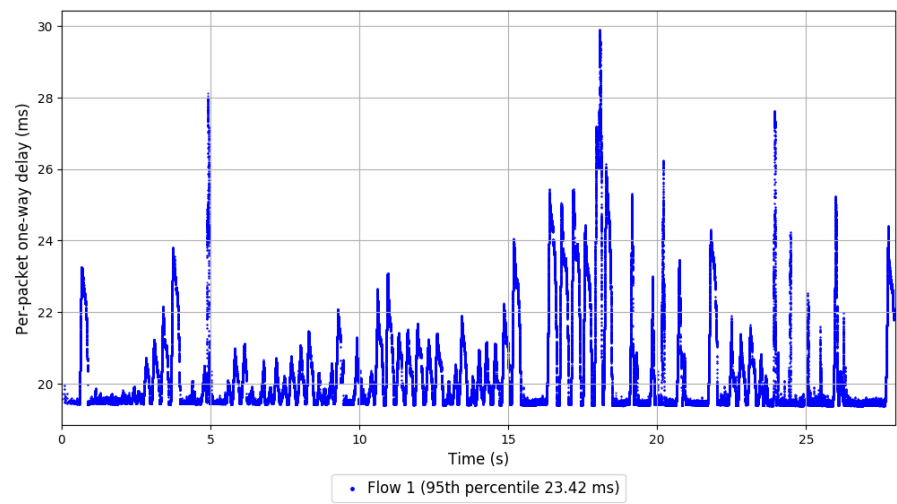
Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 91.39 Mbit/s)   Flow 1 egress (mean 91.37 Mbit/s)

• Flow 1 (95th percentile 25.57 ms)

```
Run 7: Statistics of Copa

Start at: 2017-10-10 19:29:48
End at: 2017-10-10 19:30:18
Local clock offset: 2.304 ms
Remote clock offset: 3.456 ms


# Below is generated by plot.py at 2017-10-11 00:04:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 23.421 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 23.421 ms
Loss rate: 0.21%
```
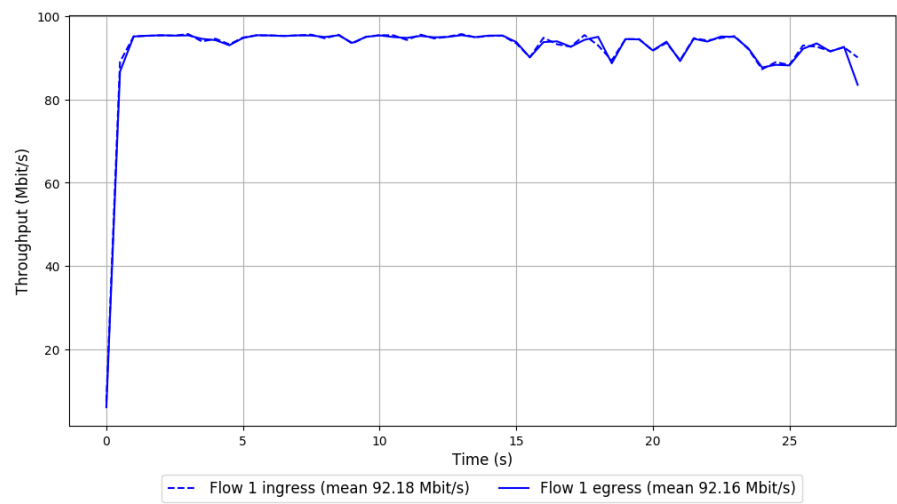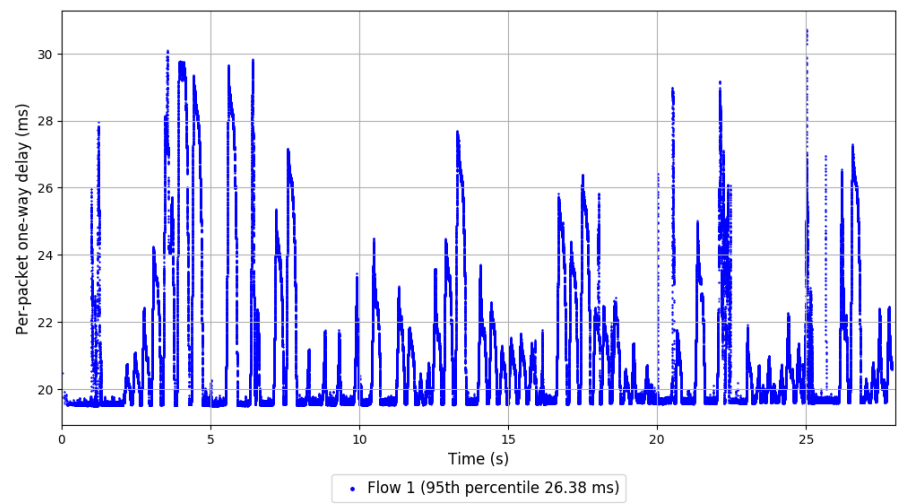
Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2017-10-10 19:48:33
End at: 2017-10-10 19:49:03
Local clock offset: 2.011 ms
Remote clock offset: 3.583 ms


# Below is generated by plot.py at 2017-10-11 00:04:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.72 Mbit/s
95th percentile per-packet one-way delay: 26.381 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 90.72 Mbit/s
95th percentile per-packet one-way delay: 26.381 ms
Loss rate: 0.21%
```
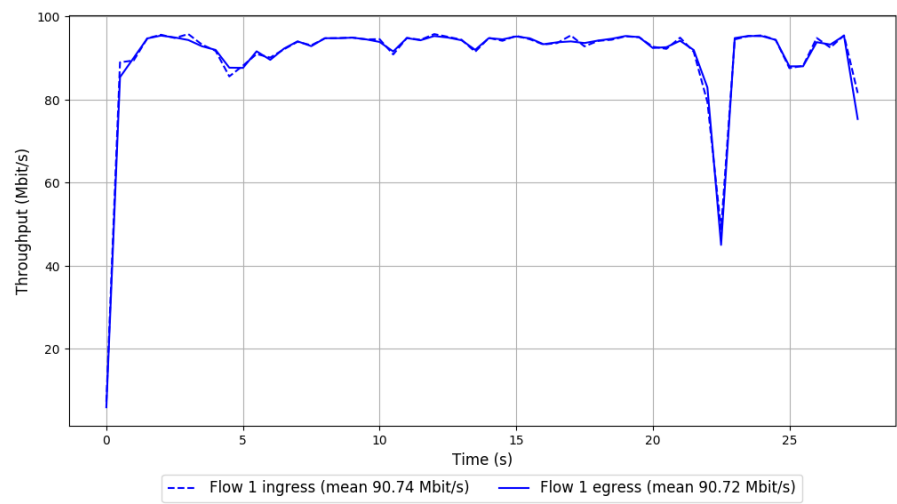
Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2017-10-10 20:07:21
End at: 2017-10-10 20:07:51
Local clock offset: 1.237 ms
Remote clock offset: 3.695 ms


# Below is generated by plot.py at 2017-10-11 00:05:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.77 Mbit/s
95th percentile per-packet one-way delay: 25.045 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 90.77 Mbit/s
95th percentile per-packet one-way delay: 25.045 ms
Loss rate: 0.25%
```
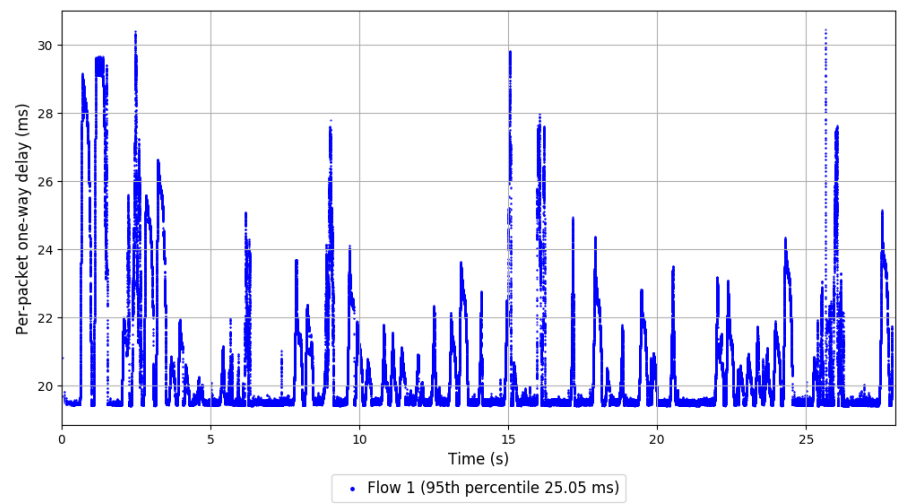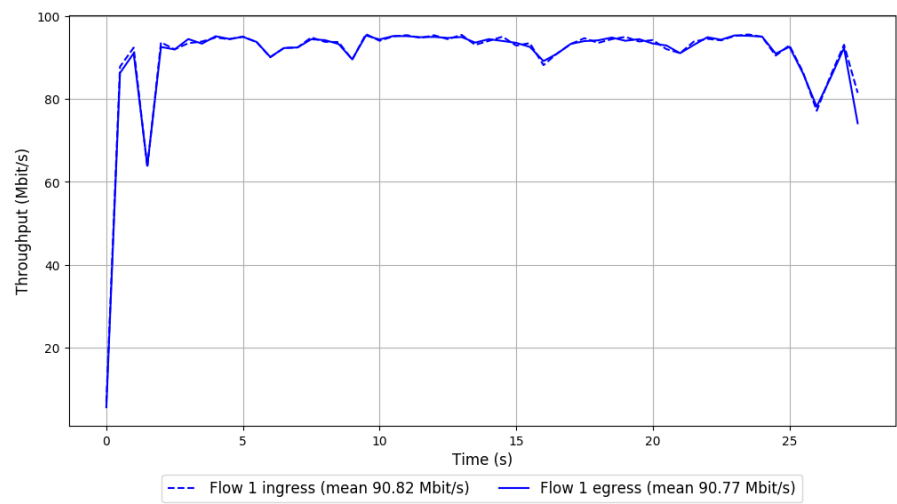
Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2017-10-10 20:26:25
End at: 2017-10-10 20:26:55
Local clock offset: 2.341 ms
Remote clock offset: 3.759 ms

# Below is generated by plot.py at 2017-10-11 00:05:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 24.908 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 24.908 ms
Loss rate: 0.28%
```
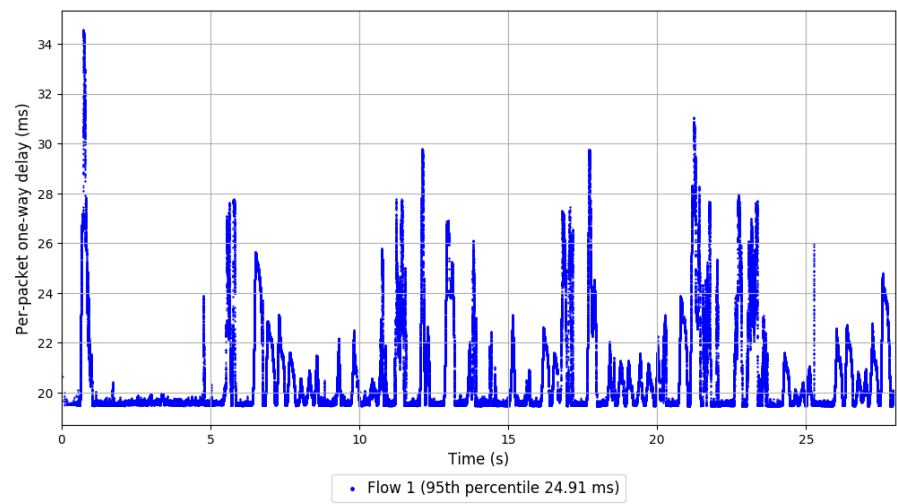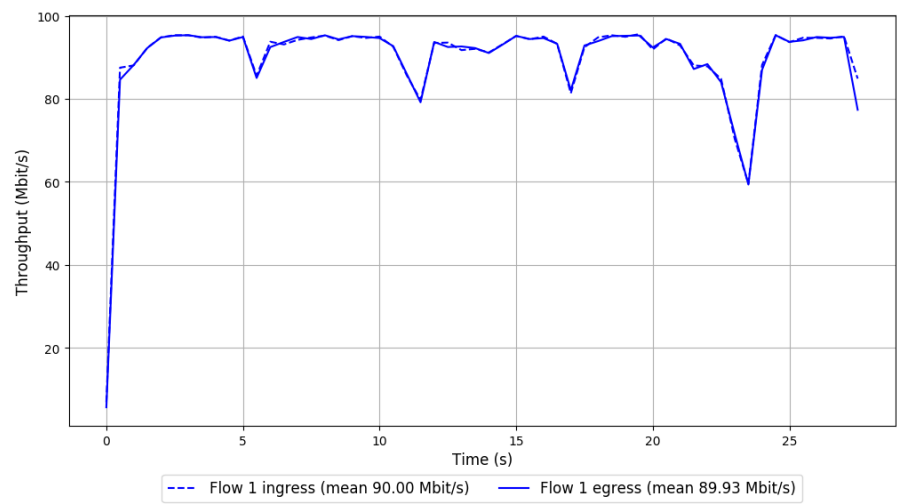
Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 90.00 Mbit/s) --- Flow 1 egress (mean 89.93 Mbit/s)

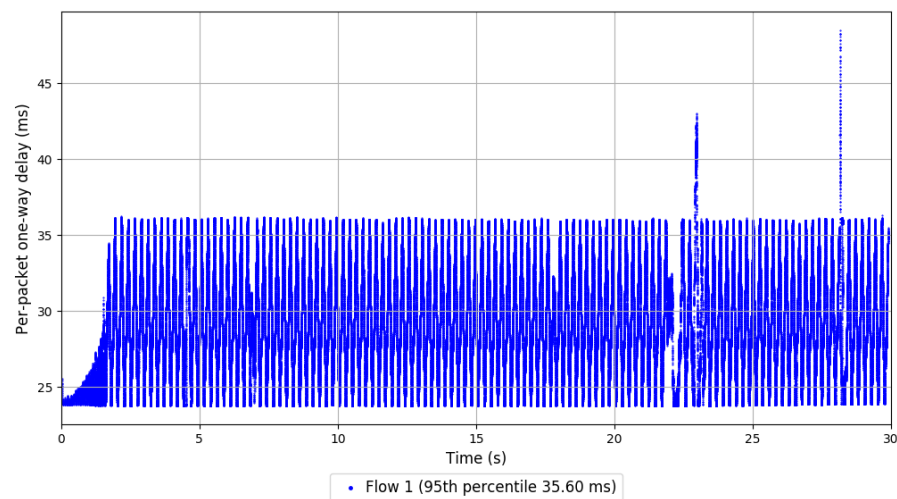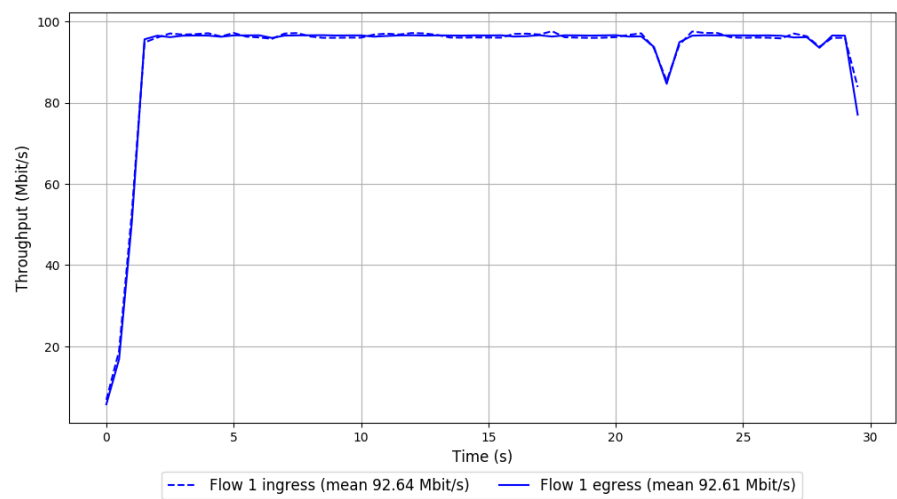• Flow 1 (95th percentile 24.91 ms)

```
Run 1: Statistics of CalibratedKoho

Start at: 2017-10-10 17:43:28
End at: 2017-10-10 17:43:58
Local clock offset: 6.733 ms
Remote clock offset: -1.569 ms

# Below is generated by plot.py at 2017-10-11 00:05:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 35.598 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 35.598 ms
Loss rate: 0.21%
```

Run 1: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 92.64 Mbit/s)   Flow 1 egress (mean 92.61 Mbit/s)

Flow 1 (95th percentile 35.60 ms)

```
Run 2: Statistics of CalibratedKoho

Start at: 2017-10-10 18:02:08
End at: 2017-10-10 18:02:38
Local clock offset: 2.405 ms
Remote clock offset: 2.809 ms


# Below is generated by plot.py at 2017-10-11 00:05:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 31.698 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 92.30 Mbit/s
95th percentile per-packet one-way delay: 31.698 ms
Loss rate: 0.26%
```
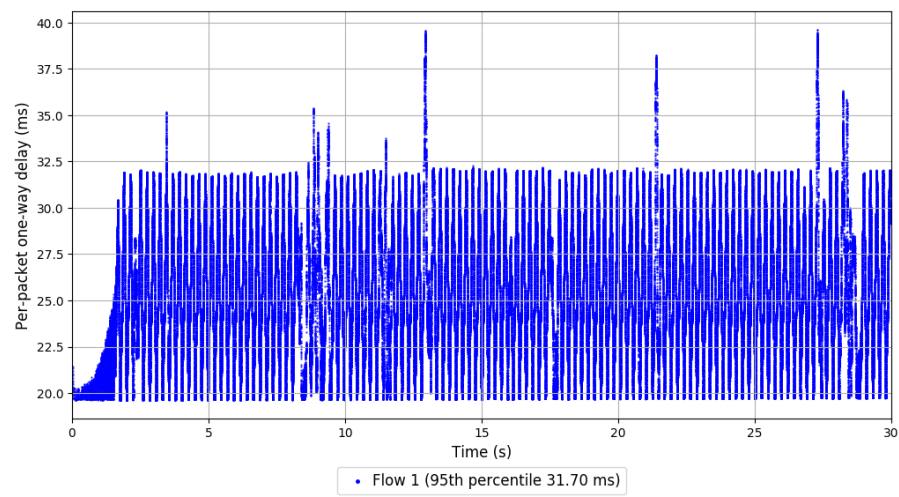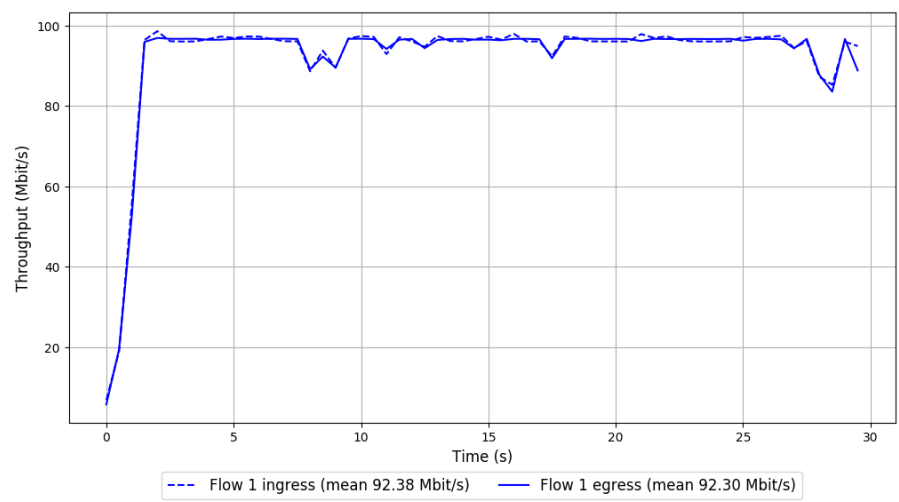
Run 2: Report of CalibratedKoho — Data Link

```
Run 3: Statistics of CalibratedKoho

Start at: 2017-10-10 18:20:44
End at: 2017-10-10 18:21:14
Local clock offset: 3.286 ms
Remote clock offset: 3.218 ms


# Below is generated by plot.py at 2017-10-11 00:05:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 31.396 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 31.396 ms
Loss rate: 0.40%
```
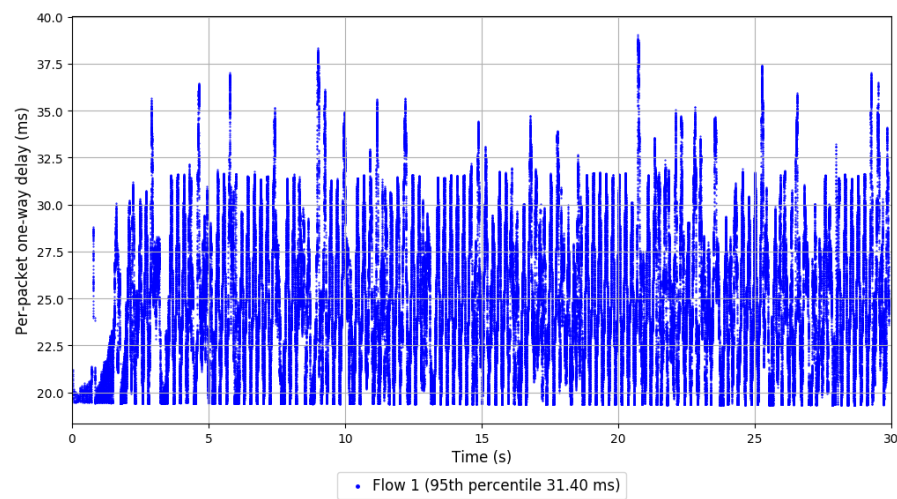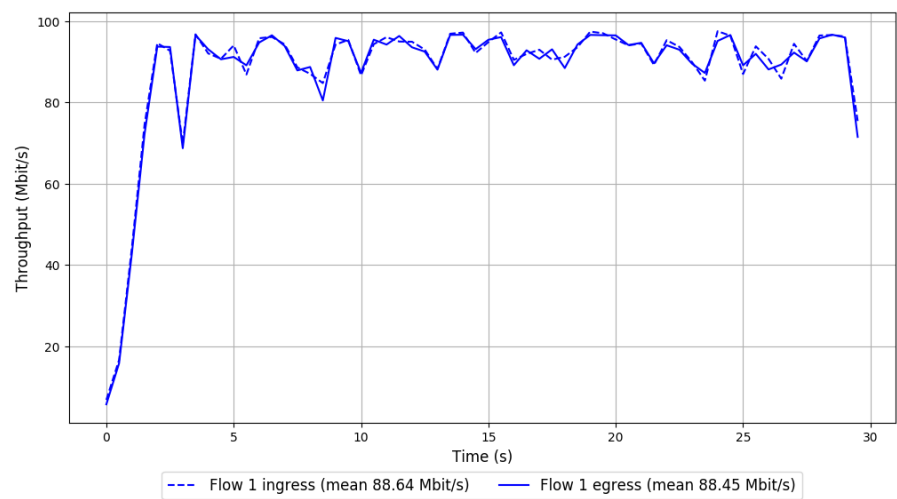
Run 3: Report of CalibratedKoho — Data Link

```
Run 4: Statistics of CalibratedKoho

Start at: 2017-10-10 18:39:27
End at: 2017-10-10 18:39:57
Local clock offset: 6.355 ms
Remote clock offset: 3.521 ms


# Below is generated by plot.py at 2017-10-11 00:05:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 30.848 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 30.848 ms
Loss rate: 0.39%
```
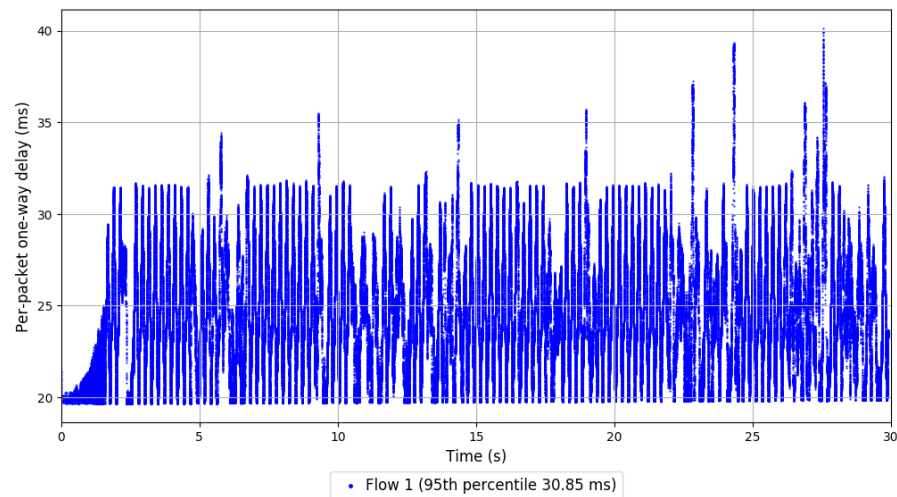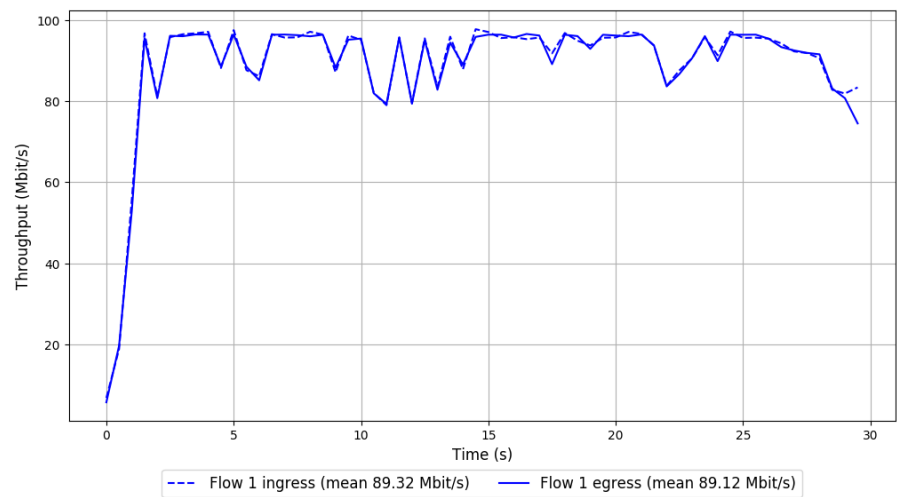
Run 4: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 89.32 Mbit/s)　　Flow 1 egress (mean 89.12 Mbit/s)

Flow 1 (95th percentile 30.85 ms)

```
Run 5: Statistics of CalibratedKoho

Start at: 2017-10-10 18:58:29
End at: 2017-10-10 18:58:59
Local clock offset: 2.214 ms
Remote clock offset: 3.378 ms


# Below is generated by plot.py at 2017-10-11 00:05:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 31.034 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 31.034 ms
Loss rate: 0.25%
```
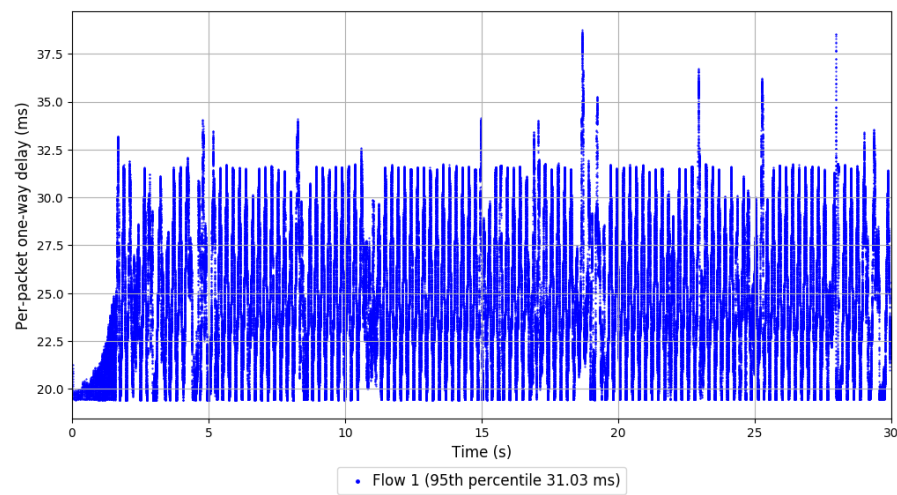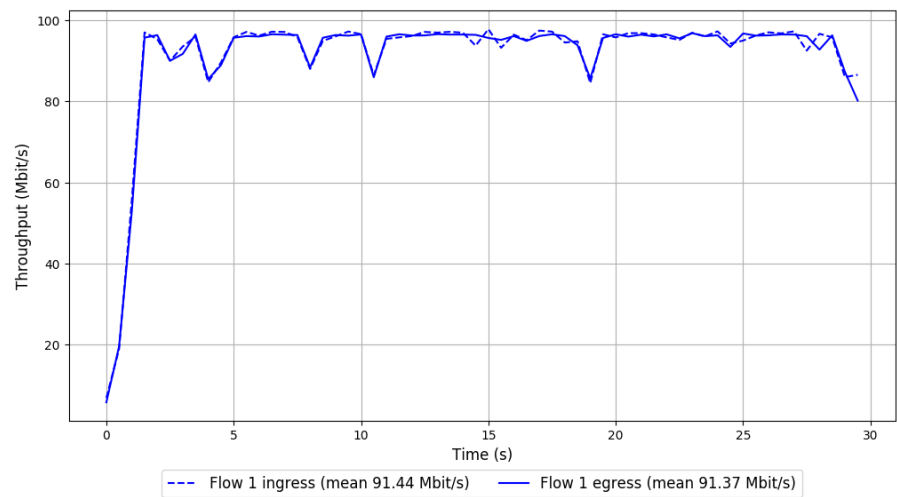
Run 5: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 91.44 Mbit/s) —— Flow 1 egress (mean 91.37 Mbit/s)

Flow 1 (95th percentile 31.03 ms)

```
Run 6: Statistics of CalibratedKoho

Start at: 2017-10-10 19:17:35
End at: 2017-10-10 19:18:05
Local clock offset: 1.629 ms
Remote clock offset: 3.422 ms


# Below is generated by plot.py at 2017-10-11 00:05:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 31.386 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 92.90 Mbit/s
95th percentile per-packet one-way delay: 31.386 ms
Loss rate: 0.23%
```
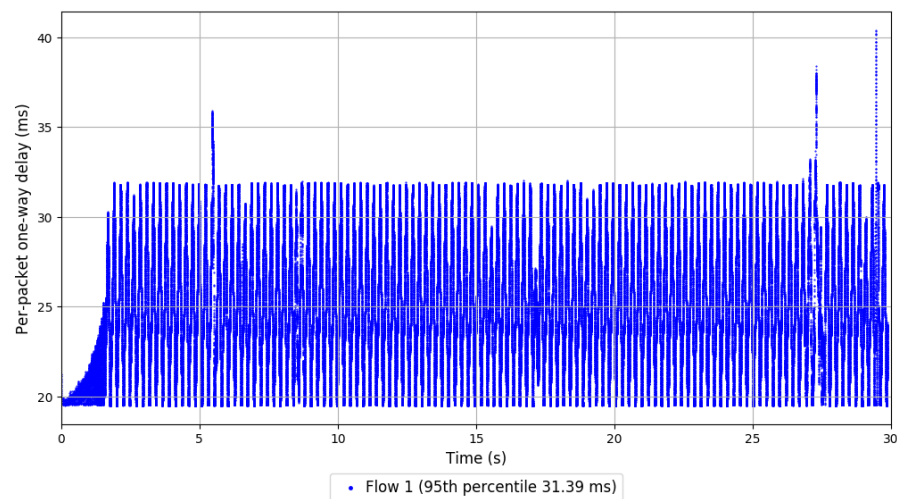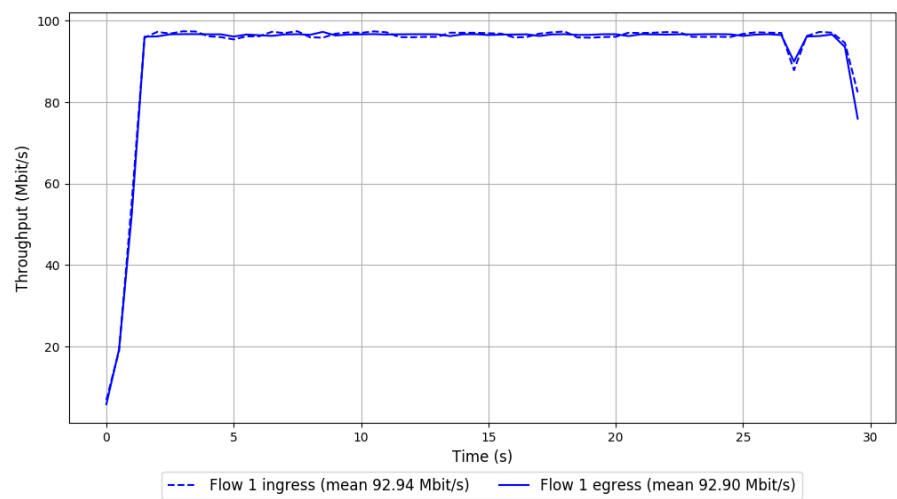
Run 6: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 92.94 Mbit/s) — Flow 1 egress (mean 92.90 Mbit/s)

• Flow 1 (95th percentile 31.39 ms)

```
Run 7: Statistics of CalibratedKoho

Start at: 2017-10-10 19:36:27
End at: 2017-10-10 19:36:57
Local clock offset: 2.58 ms
Remote clock offset: 3.575 ms


# Below is generated by plot.py at 2017-10-11 00:06:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 31.121 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 31.121 ms
Loss rate: 0.20%
```
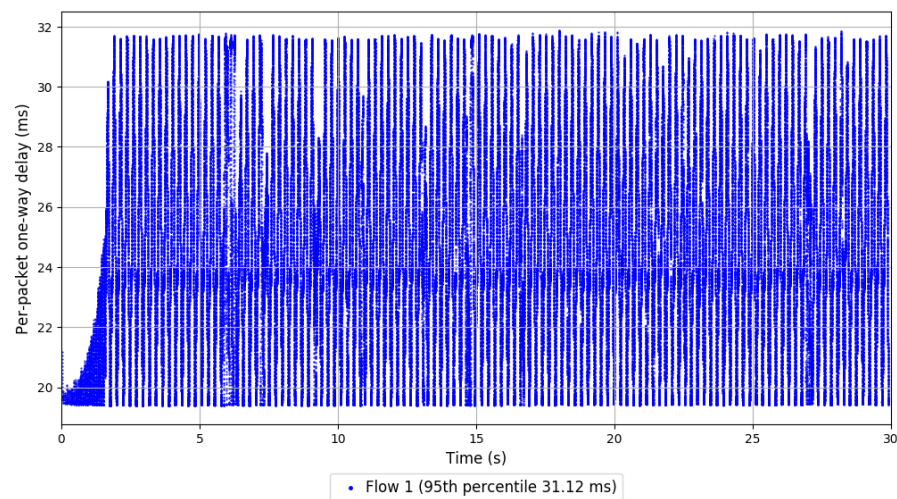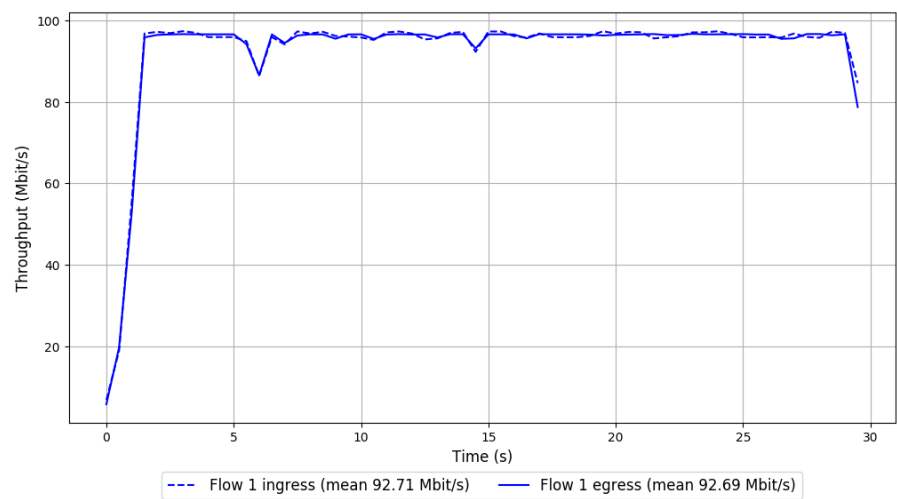
Run 7: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 92.71 Mbit/s)   Flow 1 egress (mean 92.69 Mbit/s)

• Flow 1 (95th percentile 31.12 ms)

```
Run 8: Statistics of CalibratedKoho

Start at: 2017-10-10 19:55:09
End at: 2017-10-10 19:55:39
Local clock offset: 1.279 ms
Remote clock offset: 3.644 ms


# Below is generated by plot.py at 2017-10-11 00:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 30.842 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 92.10 Mbit/s
95th percentile per-packet one-way delay: 30.842 ms
Loss rate: 0.29%
```
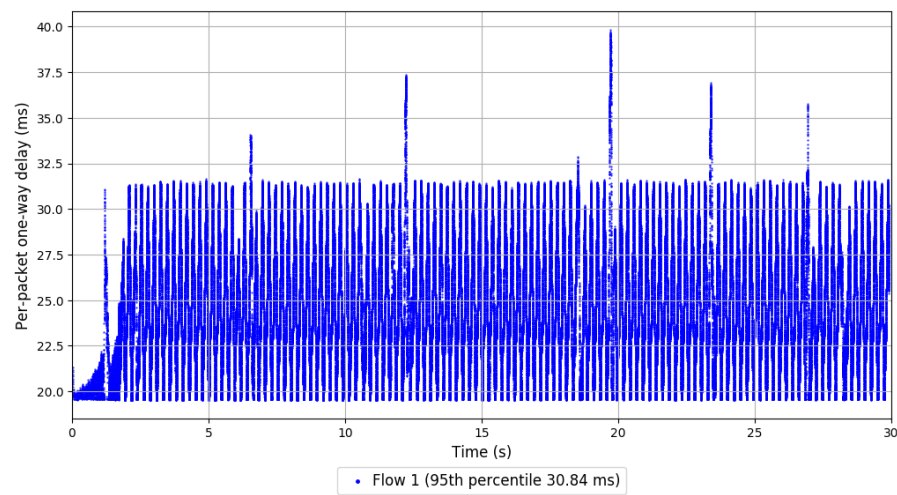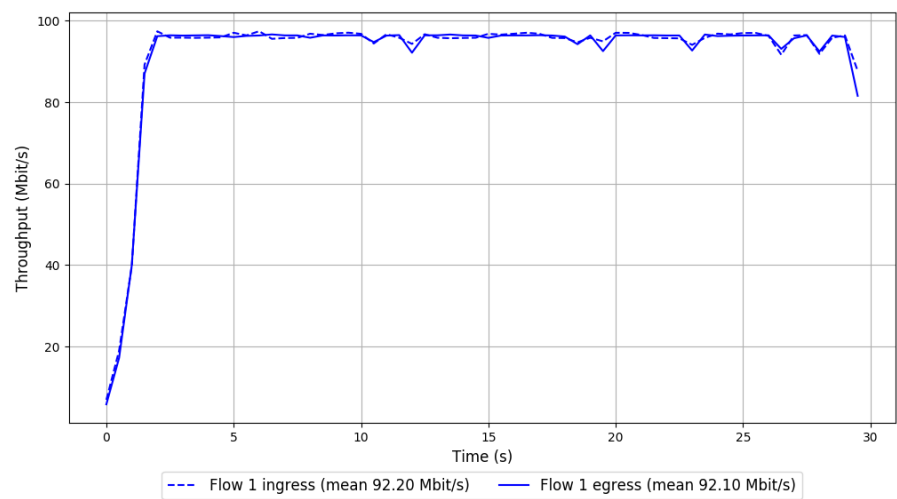
Run 8: Report of CalibratedKoho — Data Link

```
Run 9: Statistics of CalibratedKoho

Start at: 2017-10-10 20:14:05
End at: 2017-10-10 20:14:35
Local clock offset: 1.612 ms
Remote clock offset: 3.785 ms


# Below is generated by plot.py at 2017-10-11 00:06:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 31.021 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 31.021 ms
Loss rate: 0.31%
```
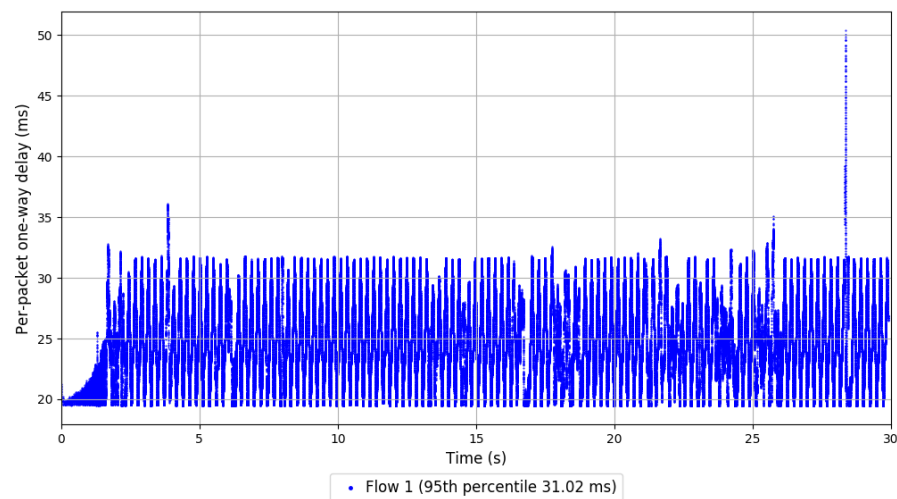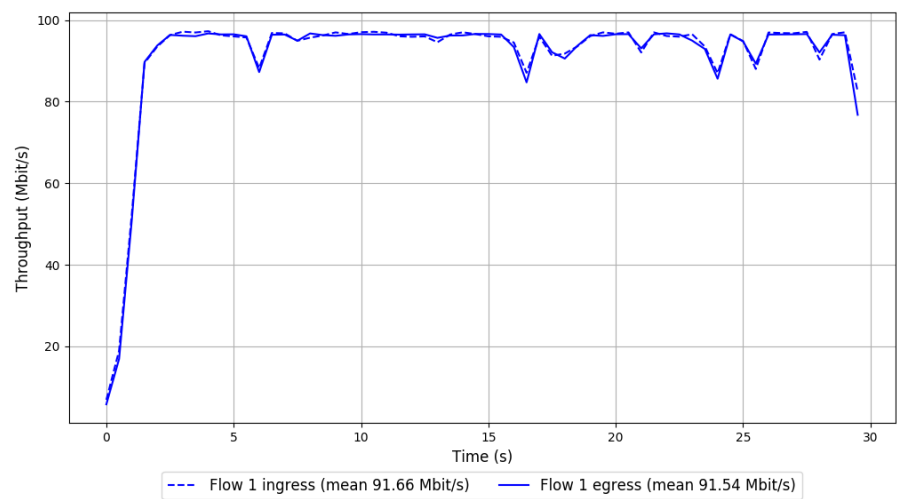
Run 9: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 91.66 Mbit/s) — Flow 1 egress (mean 91.54 Mbit/s)

Flow 1 (95th percentile 31.02 ms)

```
Run 10: Statistics of CalibratedKoho

Start at: 2017-10-10 20:33:04
End at: 2017-10-10 20:33:34
Local clock offset: 2.715 ms
Remote clock offset: 3.792 ms


# Below is generated by plot.py at 2017-10-11 00:06:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.58 Mbit/s
95th percentile per-packet one-way delay: 31.181 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 92.58 Mbit/s
95th percentile per-packet one-way delay: 31.181 ms
Loss rate: 0.24%
```
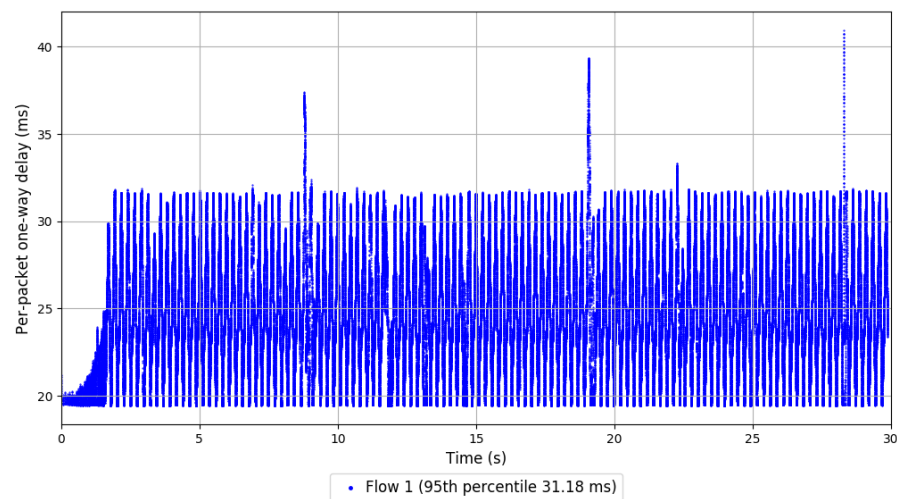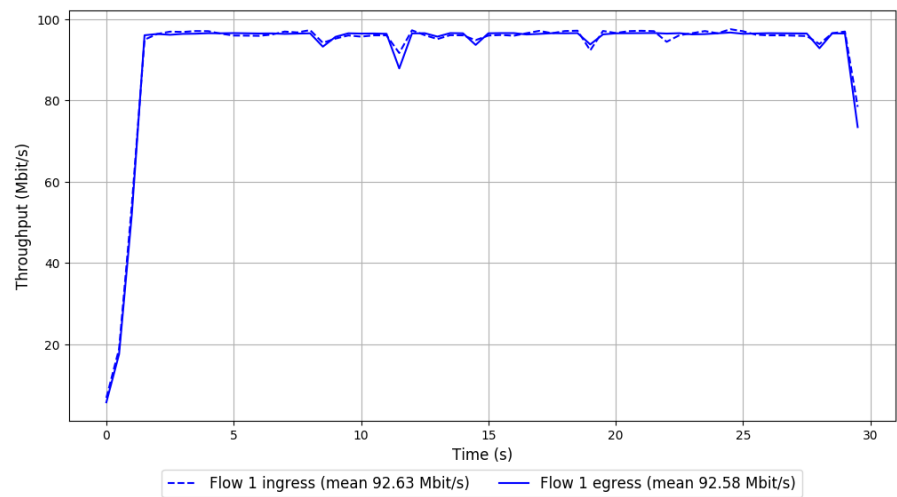
Run 10: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 92.63 Mbit/s)   Flow 1 egress (mean 92.58 Mbit/s)

Flow 1 (95th percentile 31.18 ms)

```
Run 1: Statistics of Indigo

Start at: 2017-10-10 17:44:50
End at: 2017-10-10 17:45:20
Local clock offset: 6.161 ms
Remote clock offset: -1.482 ms


# Below is generated by plot.py at 2017-10-11 00:07:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 29.310 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 29.310 ms
Loss rate: 0.21%
```
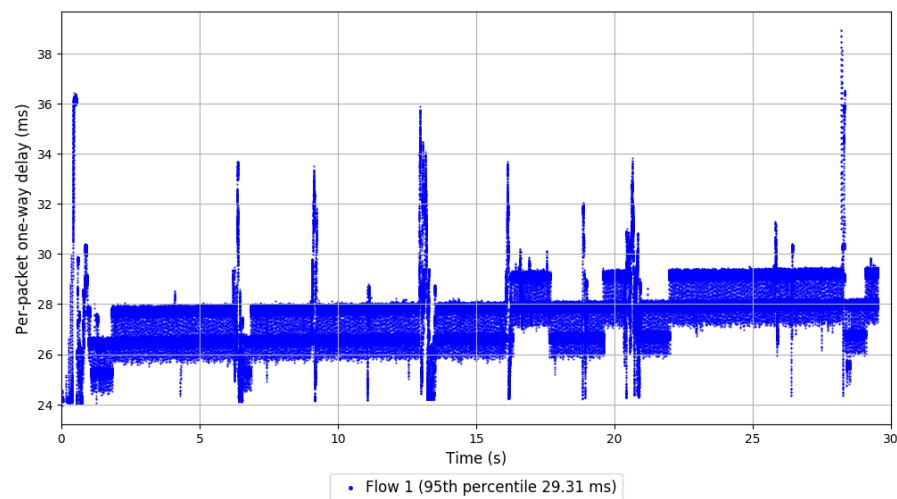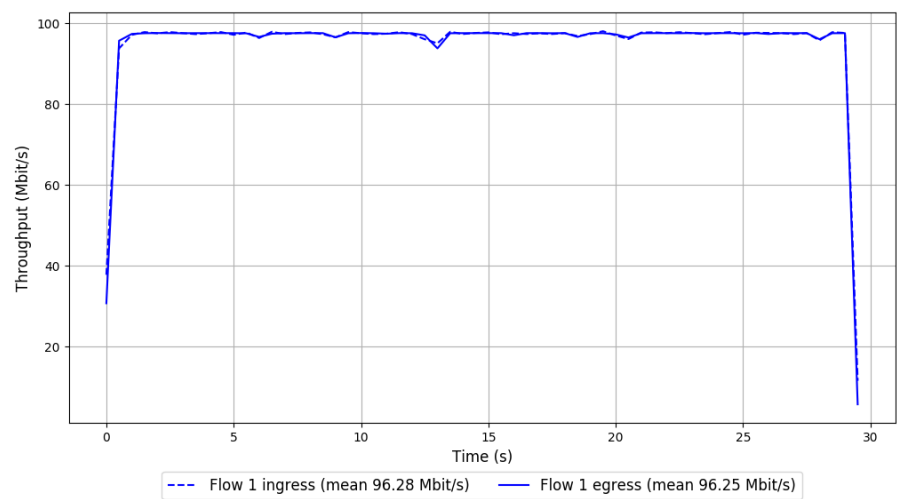
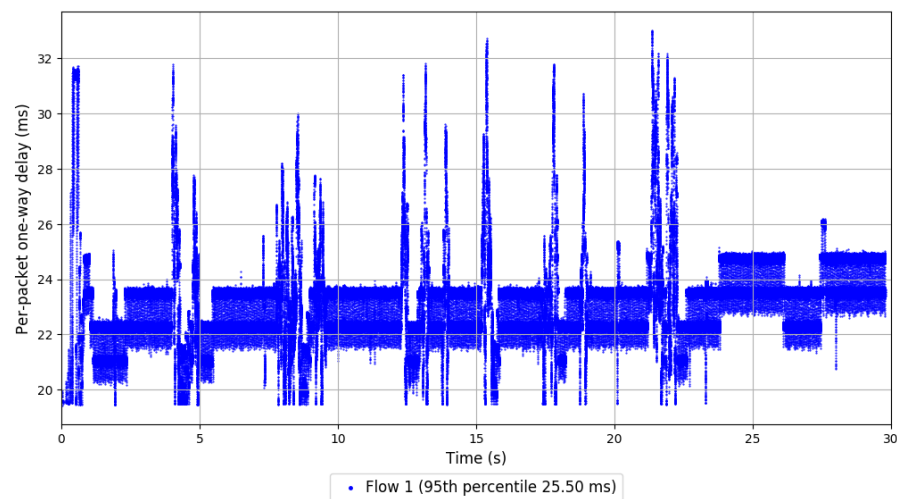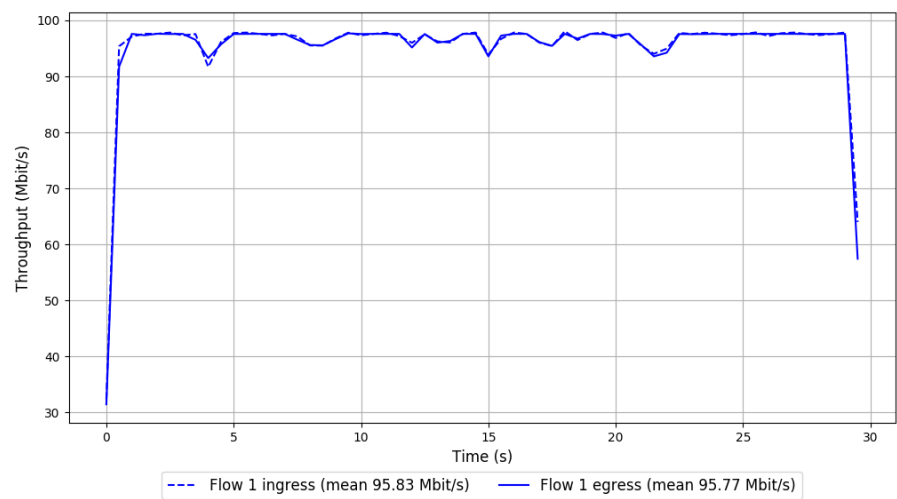Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2017-10-10 18:03:30
End at: 2017-10-10 18:04:00
Local clock offset: 2.034 ms
Remote clock offset: 2.857 ms


# Below is generated by plot.py at 2017-10-11 00:07:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 25.497 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 95.77 Mbit/s
95th percentile per-packet one-way delay: 25.497 ms
Loss rate: 0.24%
```

Run 2: Report of Indigo — Data Link

Flow 1 ingress (mean 95.83 Mbit/s)   Flow 1 egress (mean 95.77 Mbit/s)

Flow 1 (95th percentile 25.50 ms)

```
Run 3: Statistics of Indigo

Start at: 2017-10-10 18:22:07
End at: 2017-10-10 18:22:37
Local clock offset: 3.556 ms
Remote clock offset: 3.23 ms


# Below is generated by plot.py at 2017-10-11 00:07:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 27.487 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 91.06 Mbit/s
95th percentile per-packet one-way delay: 27.487 ms
Loss rate: 0.38%
```
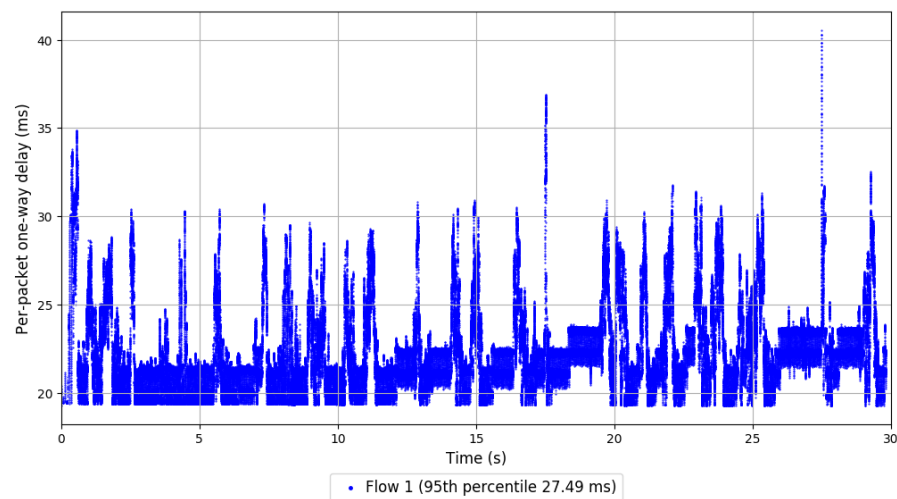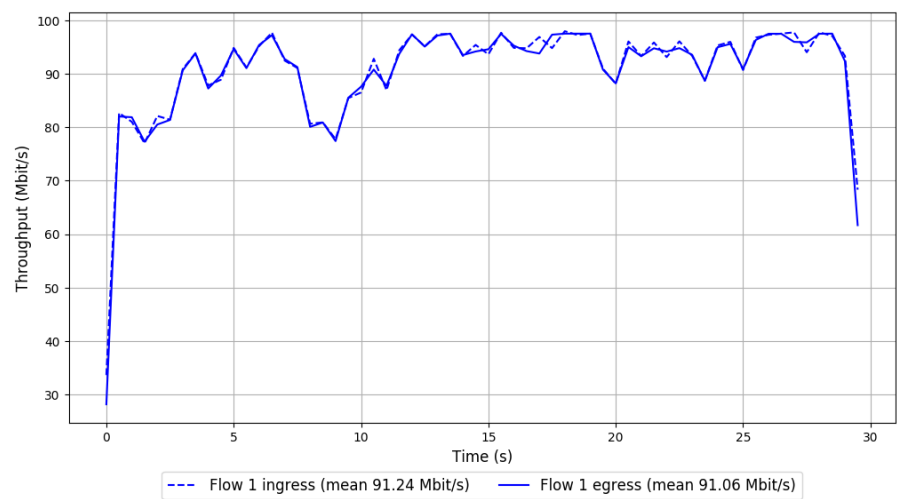
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2017-10-10 18:40:52
End at: 2017-10-10 18:41:22
Local clock offset: 5.771 ms
Remote clock offset: 3.486 ms

# Below is generated by plot.py at 2017-10-11 00:07:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 27.794 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 94.80 Mbit/s
95th percentile per-packet one-way delay: 27.794 ms
Loss rate: 0.35%
```
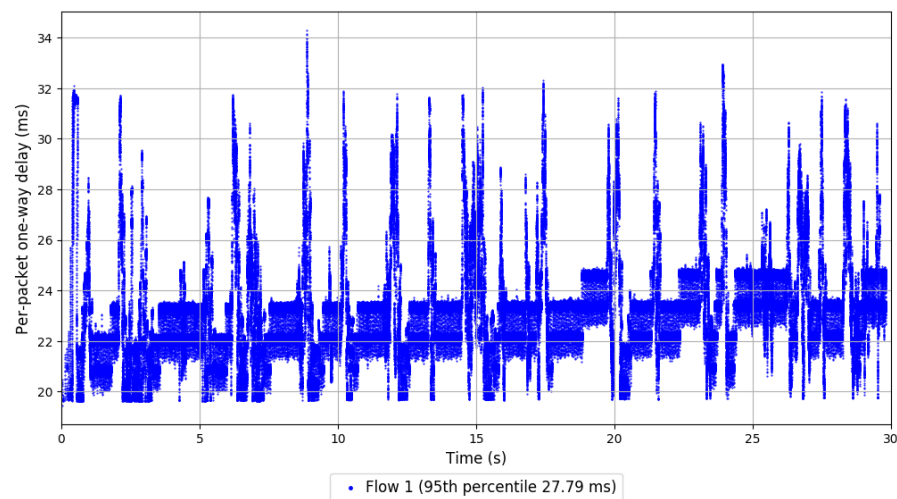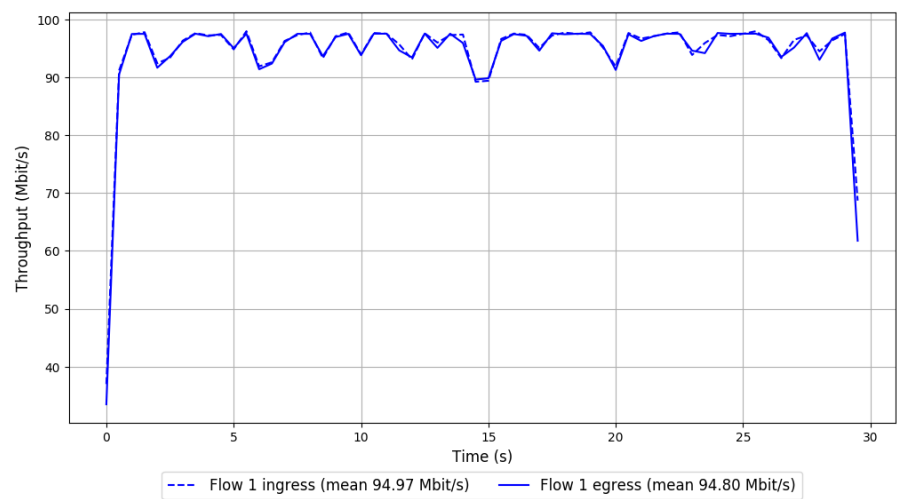
Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2017-10-10 18:59:53
End at: 2017-10-10 19:00:23
Local clock offset: 2.166 ms
Remote clock offset: 3.251 ms


# Below is generated by plot.py at 2017-10-11 00:07:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 26.952 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 26.952 ms
Loss rate: 0.30%
```
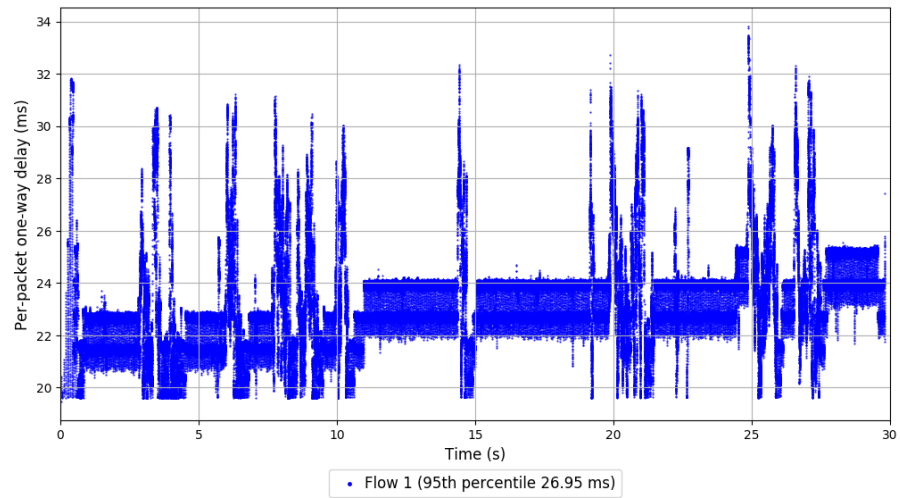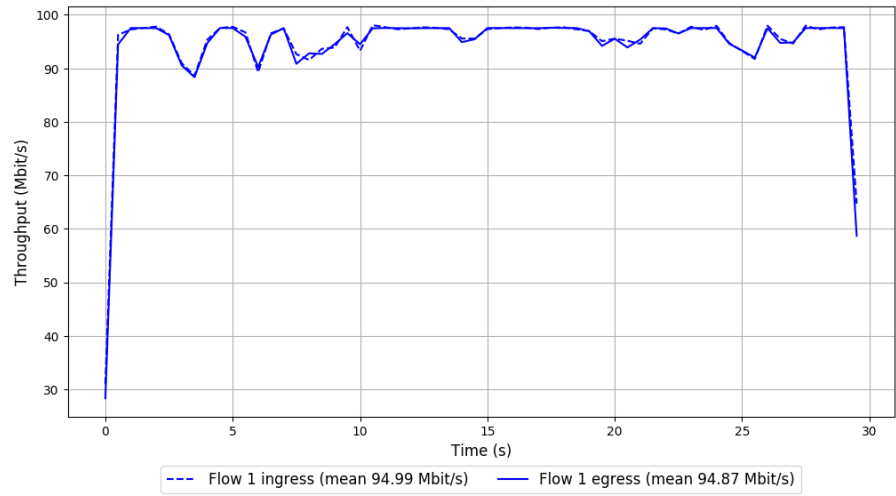
Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2017-10-10 19:18:58
End at: 2017-10-10 19:19:28
Local clock offset: 1.619 ms
Remote clock offset: 3.405 ms

# Below is generated by plot.py at 2017-10-11 00:07:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 26.154 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 26.154 ms
Loss rate: 0.27%
```
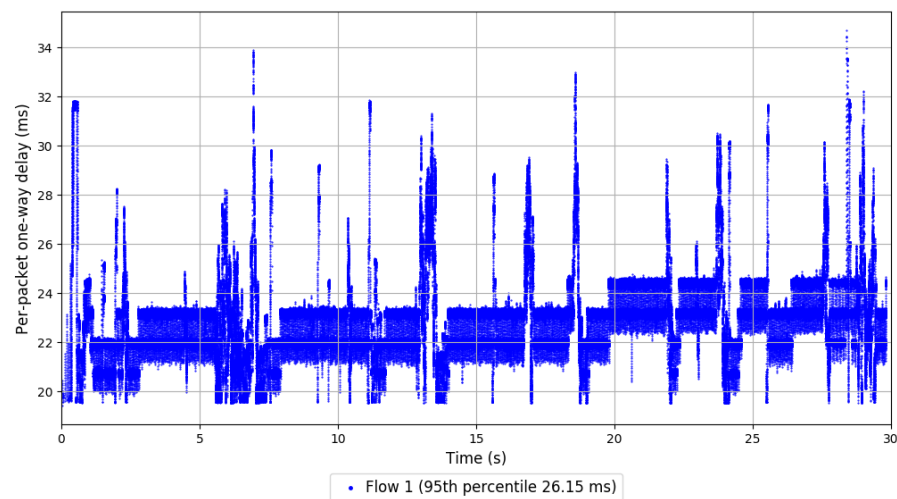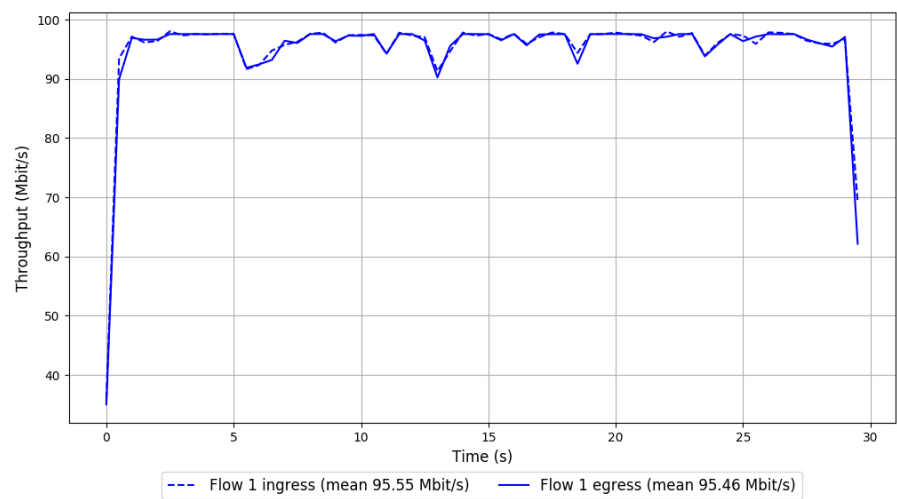
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2017-10-10 19:37:51
End at: 2017-10-10 19:38:21
Local clock offset: 2.553 ms
Remote clock offset: 3.51 ms


# Below is generated by plot.py at 2017-10-11 00:07:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 24.986 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 96.00 Mbit/s
95th percentile per-packet one-way delay: 24.986 ms
Loss rate: 0.29%
```
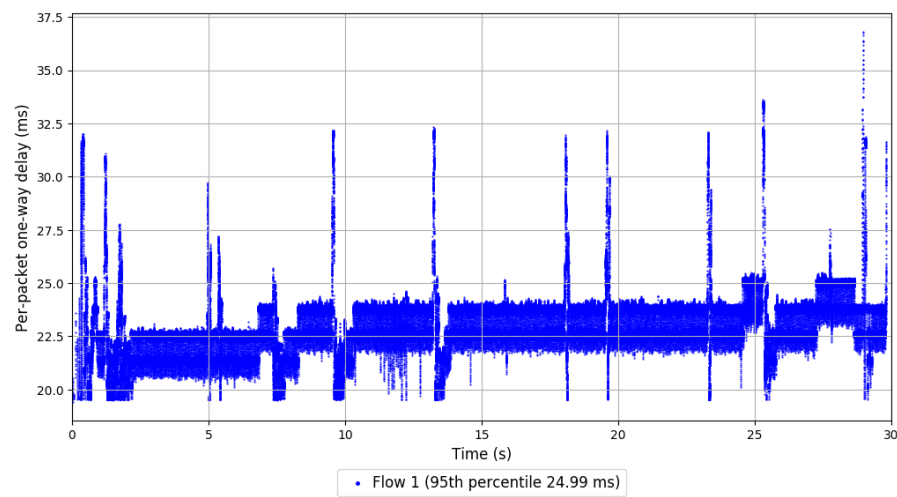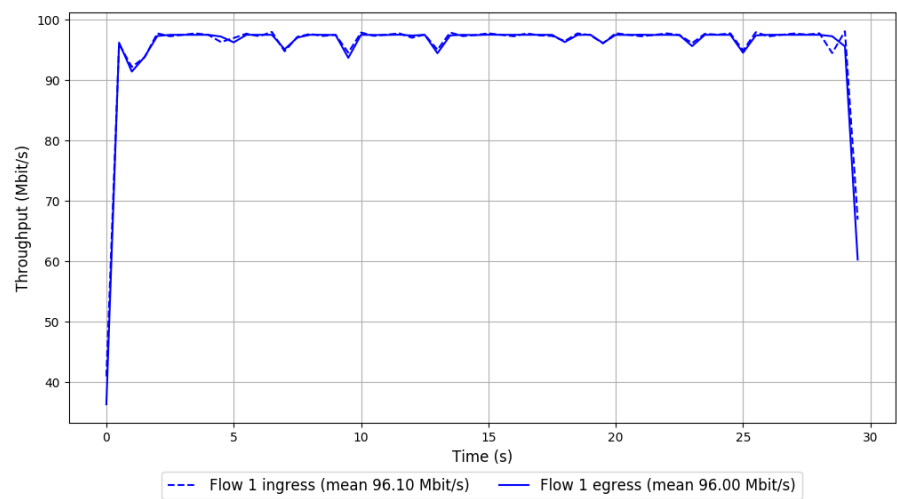
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2017-10-10 19:56:31
End at: 2017-10-10 19:57:01
Local clock offset: 1.13 ms
Remote clock offset: 3.673 ms


# Below is generated by plot.py at 2017-10-11 00:07:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 24.894 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 24.894 ms
Loss rate: 0.28%
```
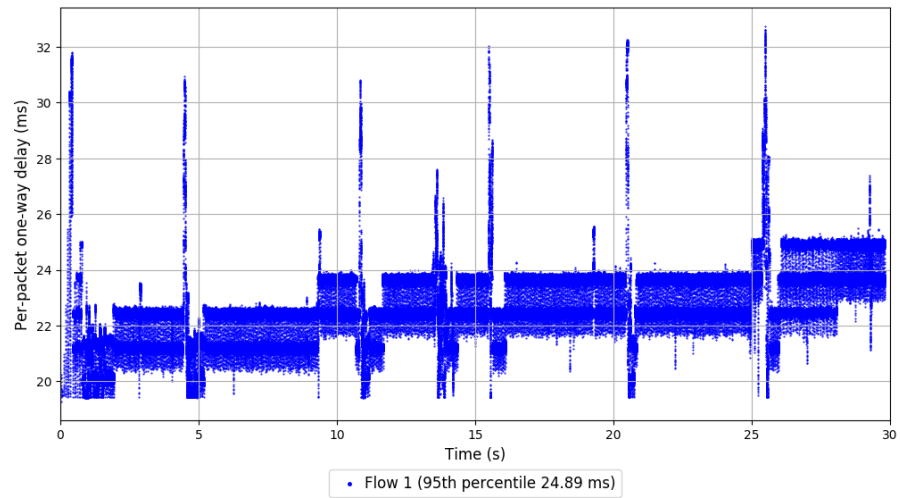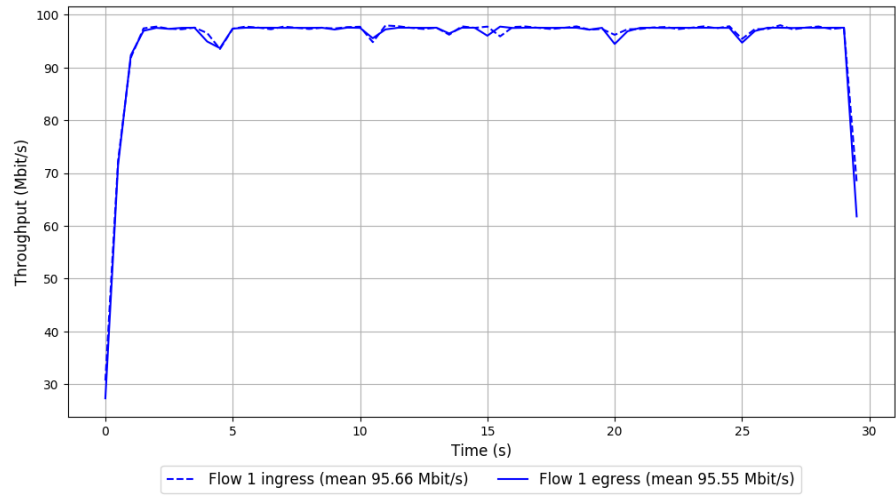
Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2017-10-10 20:15:30
End at: 2017-10-10 20:16:00
Local clock offset: 1.582 ms
Remote clock offset: 3.744 ms


# Below is generated by plot.py at 2017-10-11 00:07:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 25.016 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 94.94 Mbit/s
95th percentile per-packet one-way delay: 25.016 ms
Loss rate: 0.30%
```
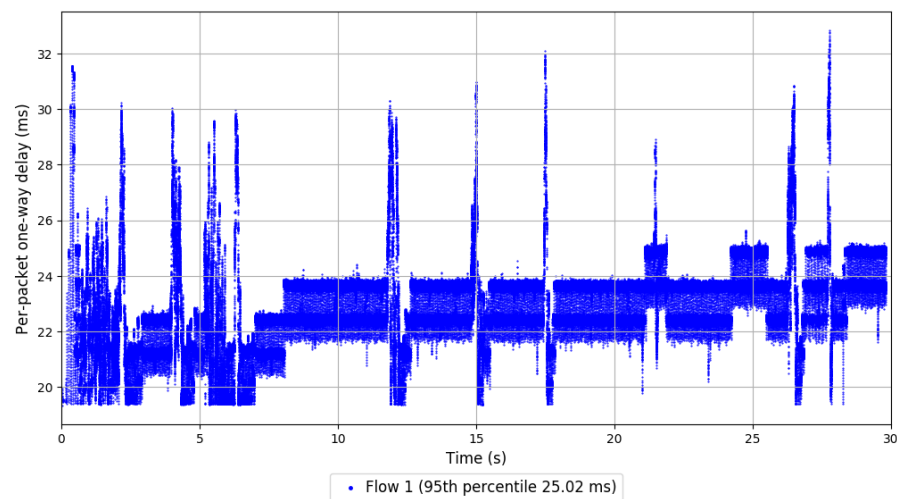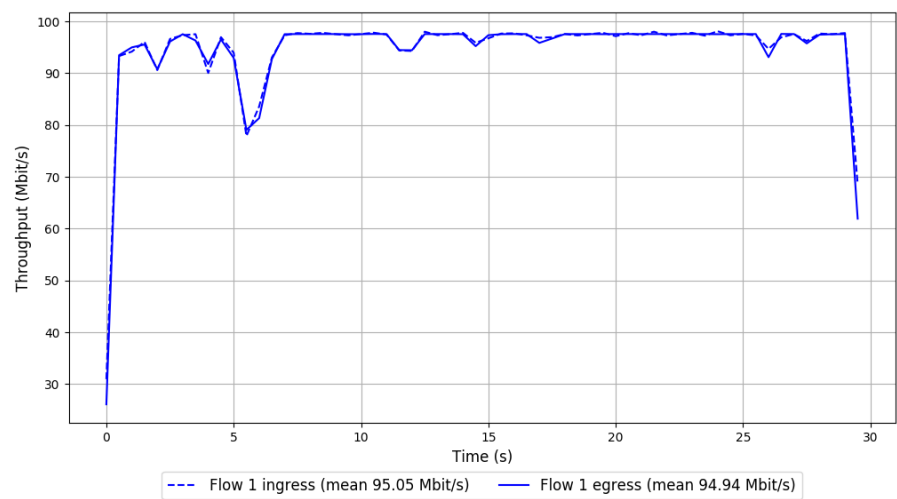
Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2017-10-10 20:34:27
End at: 2017-10-10 20:34:57
Local clock offset: 2.701 ms
Remote clock offset: 3.759 ms


# Below is generated by plot.py at 2017-10-11 00:07:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 23.930 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 23.930 ms
Loss rate: 0.23%
```

Run 10: Report of Indigo — Data Link

Flow 1 ingress (mean 96.20 Mbit/s)   Flow 1 egress (mean 96.14 Mbit/s)

Flow 1 (95th percentile 23.93 ms)