Pantheon Report

Generated at 2017-10-11 02:34:17 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

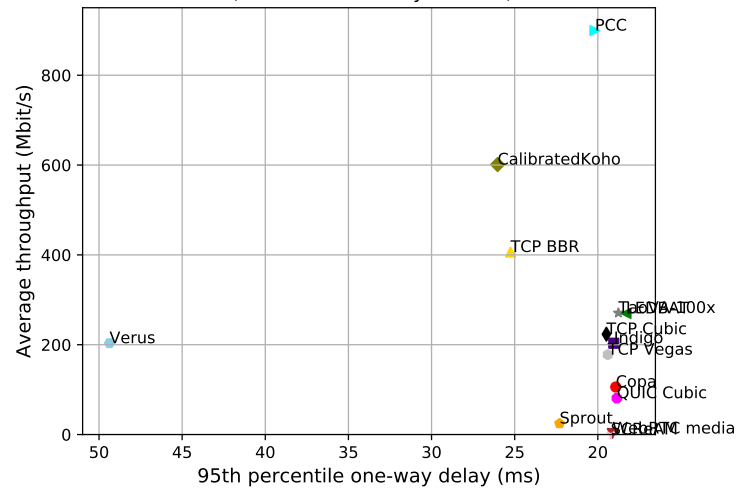Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

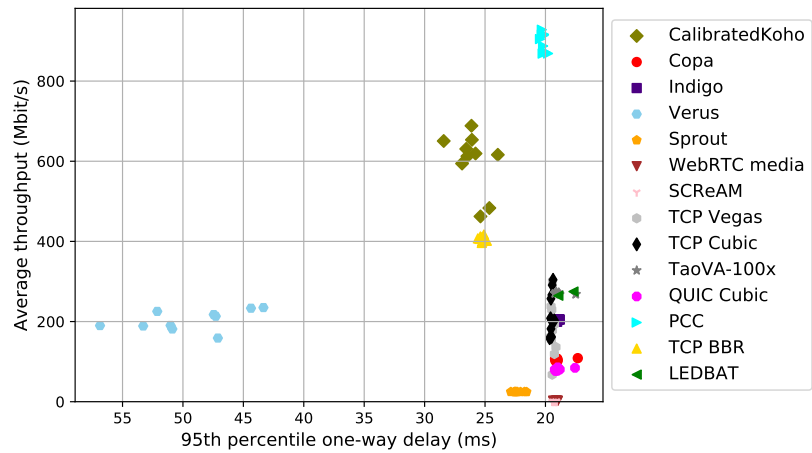NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: 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 AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

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

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	406.41	25.25	9.51
TCP Cubic	10	223.43	19.49	0.05
LEDBAT	2	269.67	18.31	0.00
PCC	10	899.35	20.18	0.29
QUIC Cubic	9	81.00	18.86	0.01
SCReAM	9	0.22	19.23	0.00
WebRTC media	10	2.31	19.13	0.00
Sprout	10	24.66	22.30	0.10
TaoVA-100x	10	270.77	18.76	0.00
TCP Vegas	10	177.84	19.40	0.01
Verus	10	203.38	49.37	19.70
Copa	10	105.85	18.92	0.01
CalibratedKoho	10	601.09	26.03	0.04
Indigo	10	203.32	19.04	0.02

```
Run 1: Statistics of TCP BBR

Start at: 2017-10-10 20:56:24
End at: 2017-10-10 20:56:54
Local clock offset: -2.284 ms
Remote clock offset: 0.241 ms

# Below is generated by plot.py at 2017-10-11 01:37:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 410.04 Mbit/s
95th percentile per-packet one-way delay: 25.293 ms
Loss rate: 9.63%
-- Flow 1:
Average throughput: 410.04 Mbit/s
95th percentile per-packet one-way delay: 25.293 ms
Loss rate: 9.63%
```
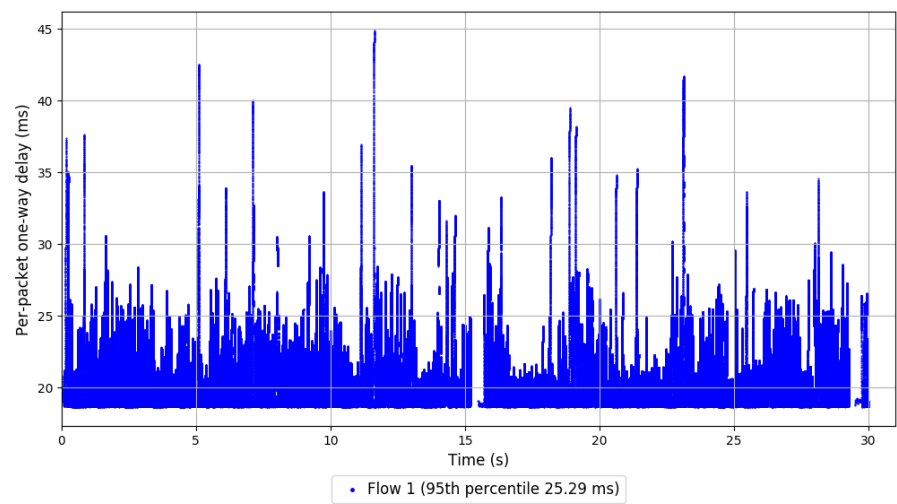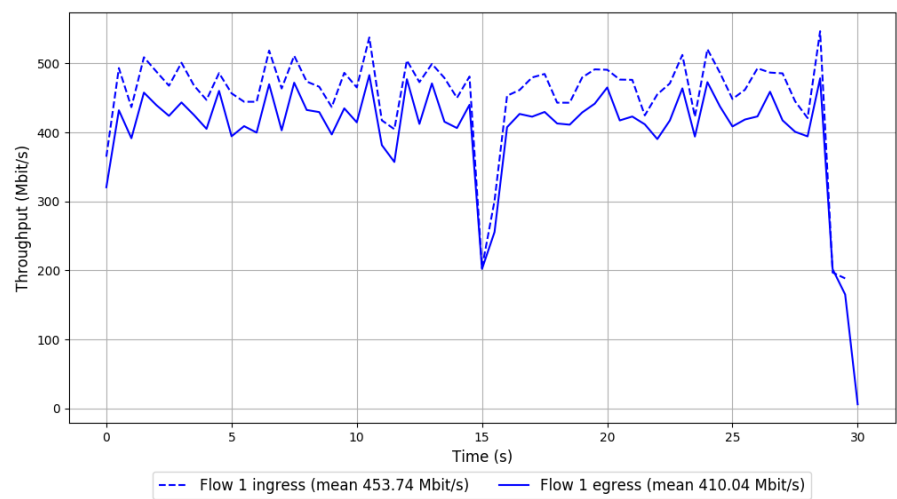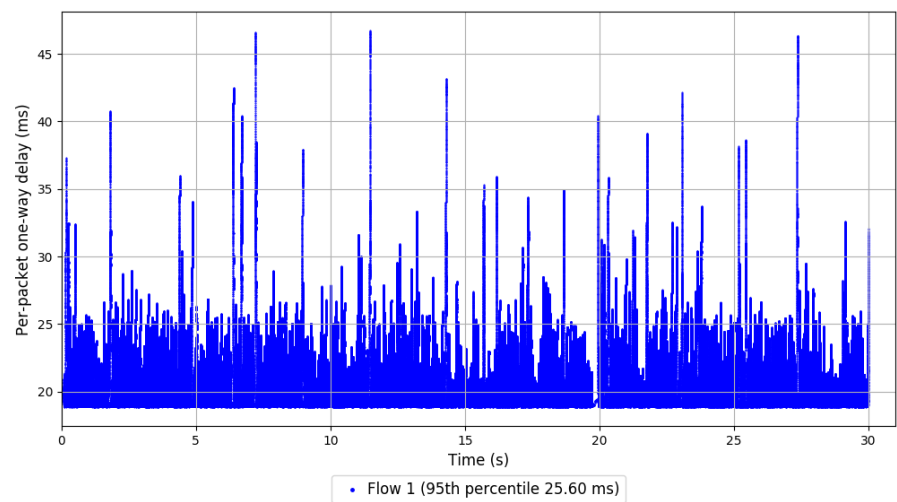
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2017-10-10 21:15:40
End at: 2017-10-10 21:16:10
Local clock offset: -2.594 ms
Remote clock offset: 0.259 ms


# Below is generated by plot.py at 2017-10-11 01:37:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 407.55 Mbit/s
95th percentile per-packet one-way delay: 25.596 ms
Loss rate: 8.34%
-- Flow 1:
Average throughput: 407.55 Mbit/s
95th percentile per-packet one-way delay: 25.596 ms
Loss rate: 8.34%
```
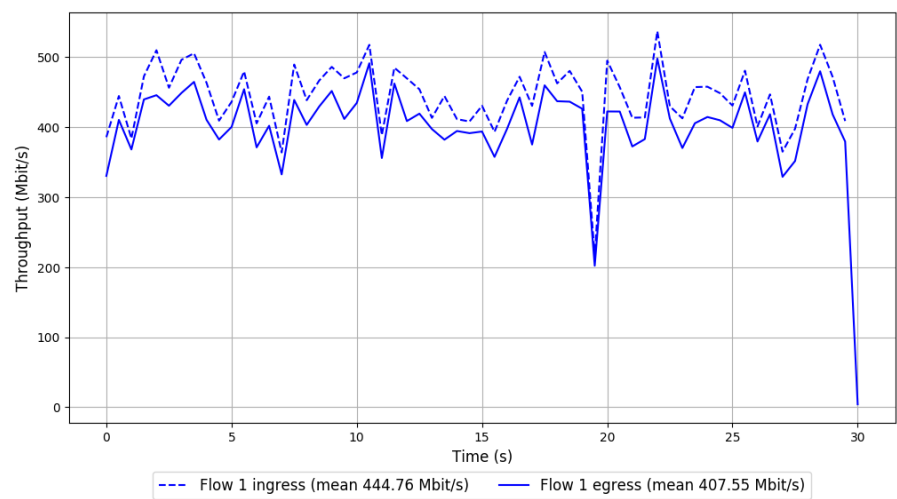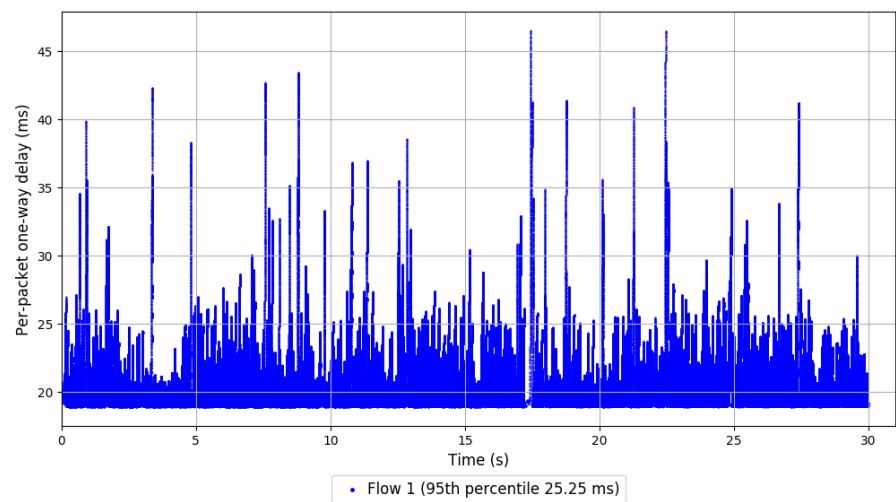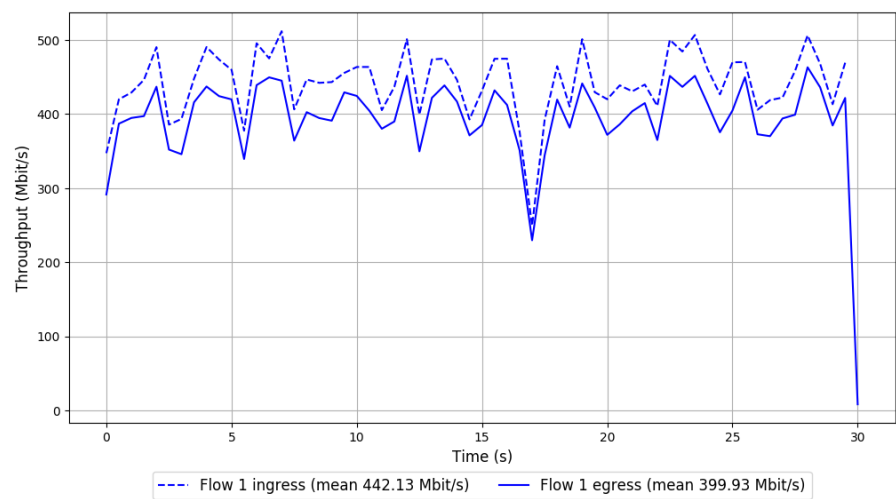
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 444.76 Mbit/s)   Flow 1 egress (mean 407.55 Mbit/s)

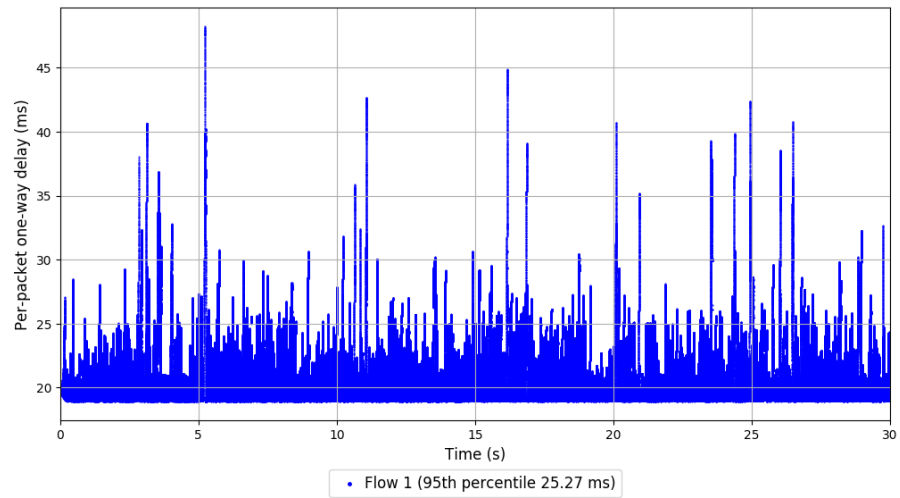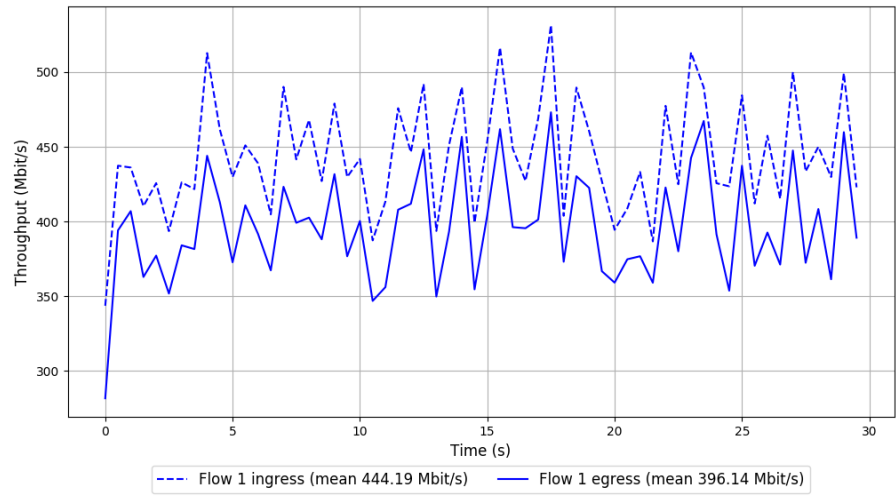Flow 1 (95th percentile 25.60 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2017-10-10 21:34:34
End at: 2017-10-10 21:35:04
Local clock offset: -2.114 ms
Remote clock offset: 0.045 ms


# Below is generated by plot.py at 2017-10-11 01:37:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 399.93 Mbit/s
95th percentile per-packet one-way delay: 25.246 ms
Loss rate: 9.55%
-- Flow 1:
Average throughput: 399.93 Mbit/s
95th percentile per-packet one-way delay: 25.246 ms
Loss rate: 9.55%
```
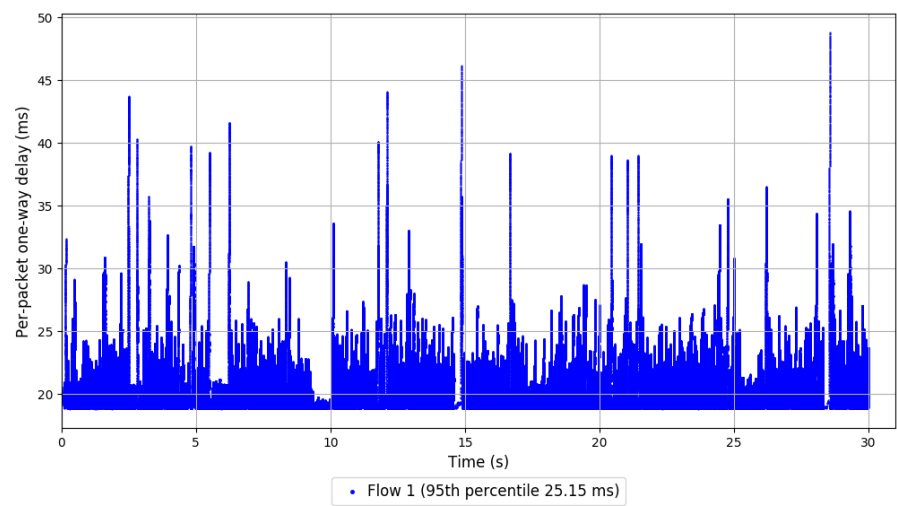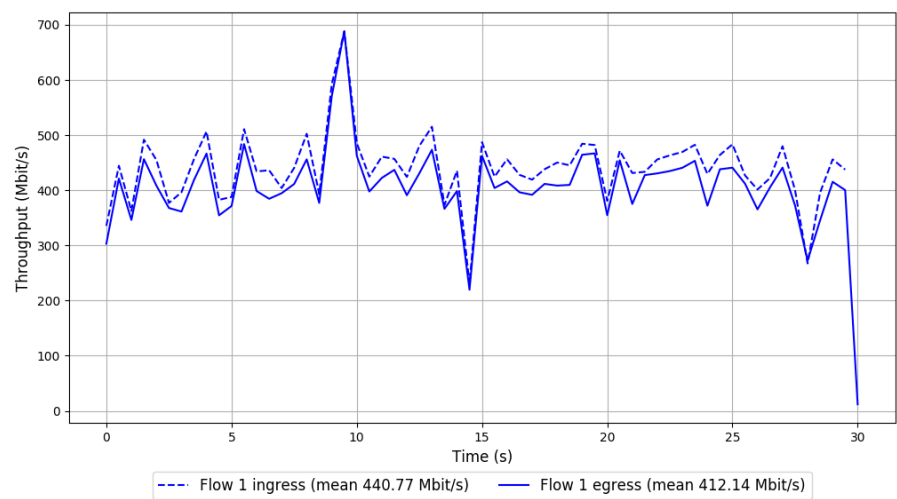
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 442.13 Mbit/s) --- Flow 1 egress (mean 399.93 Mbit/s)

Flow 1 (95th percentile 25.25 ms)

```
Run 4: Statistics of TCP BBR

Start at: 2017-10-10 21:53:33
End at: 2017-10-10 21:54:03
Local clock offset: -1.312 ms
Remote clock offset: -0.066 ms


# Below is generated by plot.py at 2017-10-11 01:37:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 396.14 Mbit/s
95th percentile per-packet one-way delay: 25.270 ms
Loss rate: 10.82%
-- Flow 1:
Average throughput: 396.14 Mbit/s
95th percentile per-packet one-way delay: 25.270 ms
Loss rate: 10.82%
```
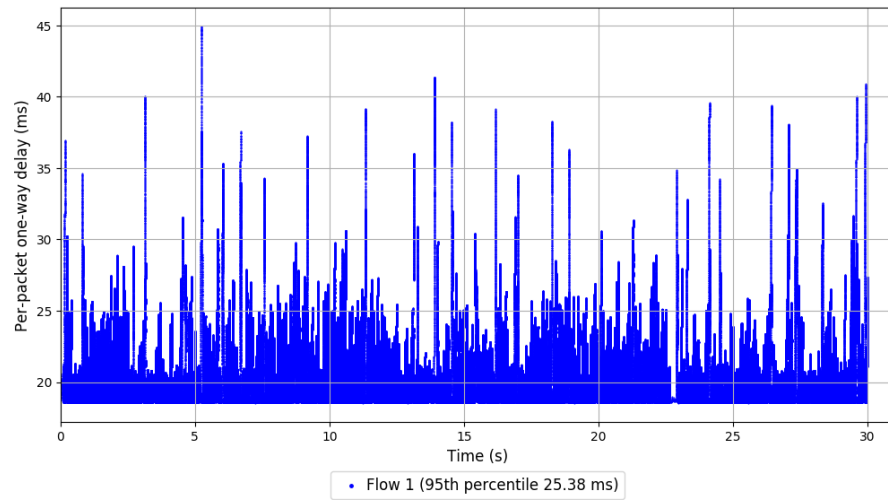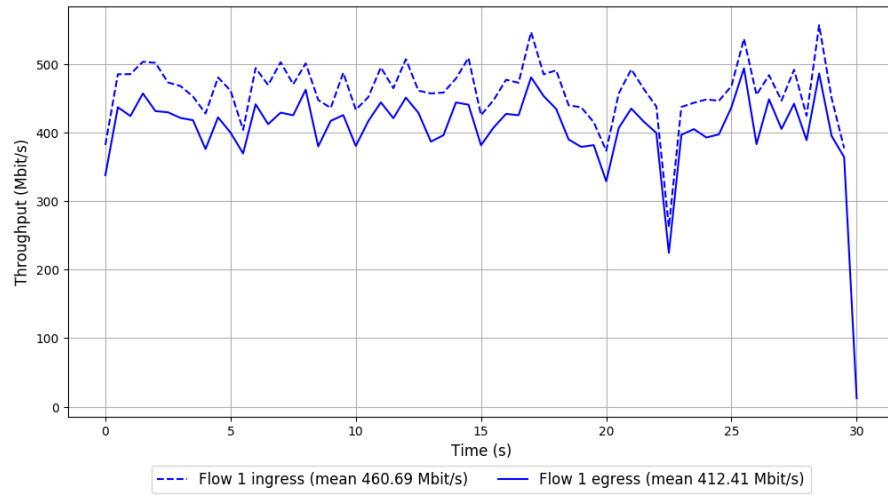
Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2017-10-10 22:12:11
End at: 2017-10-10 22:12:42
Local clock offset: -0.717 ms
Remote clock offset: -0.112 ms


# Below is generated by plot.py at 2017-10-11 01:37:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 412.14 Mbit/s
95th percentile per-packet one-way delay: 25.149 ms
Loss rate: 6.49%
-- Flow 1:
Average throughput: 412.14 Mbit/s
95th percentile per-packet one-way delay: 25.149 ms
Loss rate: 6.49%
```
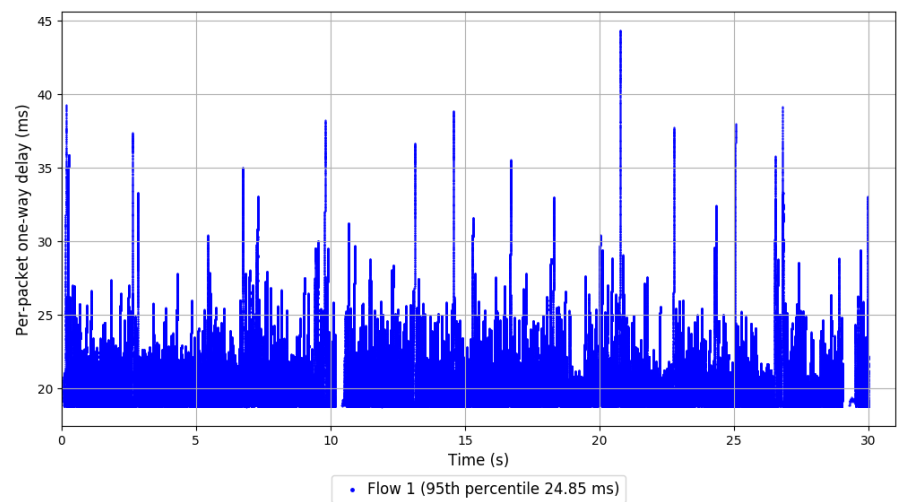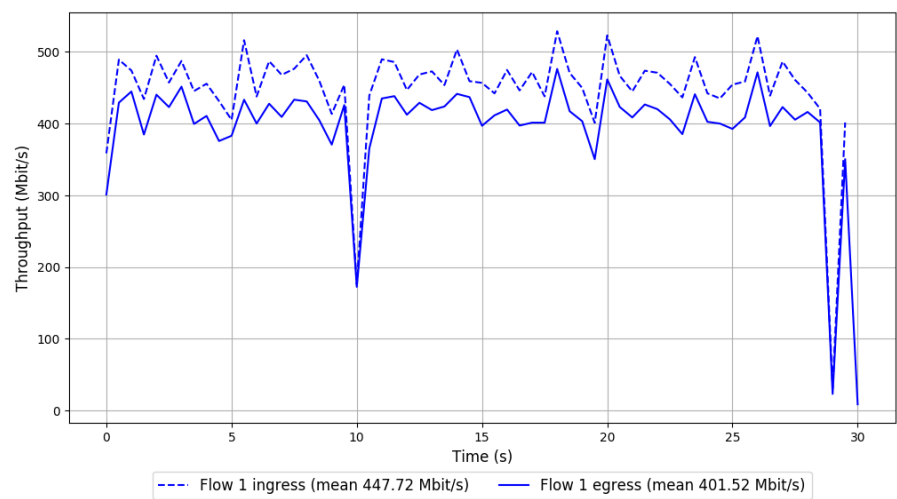
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 440.77 Mbit/s)   Flow 1 egress (mean 412.14 Mbit/s)

Flow 1 (95th percentile 25.15 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2017-10-10 22:30:55
End at: 2017-10-10 22:31:25
Local clock offset: 0.163 ms
Remote clock offset: -0.177 ms


# Below is generated by plot.py at 2017-10-11 01:37:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 412.41 Mbit/s
95th percentile per-packet one-way delay: 25.383 ms
Loss rate: 10.47%
-- Flow 1:
Average throughput: 412.41 Mbit/s
95th percentile per-packet one-way delay: 25.383 ms
Loss rate: 10.47%
```

Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 460.69 Mbit/s)   Flow 1 egress (mean 412.41 Mbit/s)

Flow 1 (95th percentile 25.38 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2017-10-10 22:49:40
End at: 2017-10-10 22:50:10
Local clock offset: 0.36 ms
Remote clock offset: -0.082 ms


# Below is generated by plot.py at 2017-10-11 01:37:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 401.52 Mbit/s
95th percentile per-packet one-way delay: 24.853 ms
Loss rate: 10.32%
-- Flow 1:
Average throughput: 401.52 Mbit/s
95th percentile per-packet one-way delay: 24.853 ms
Loss rate: 10.32%
```
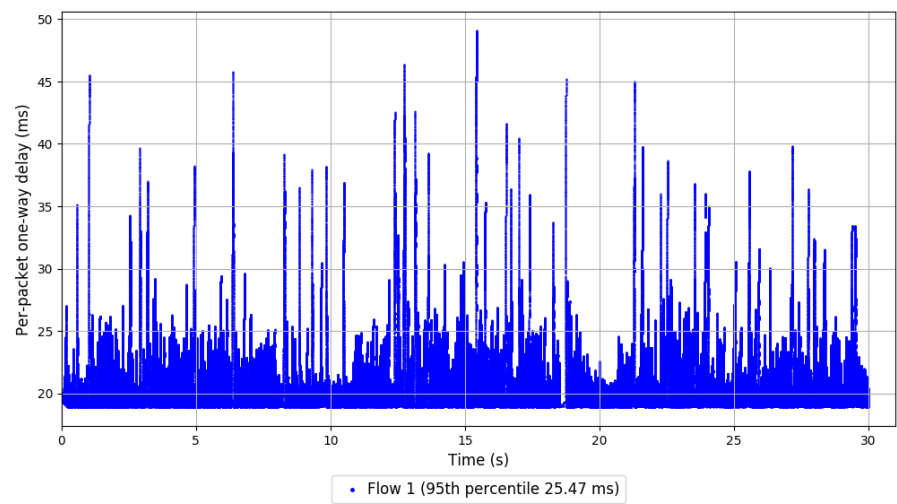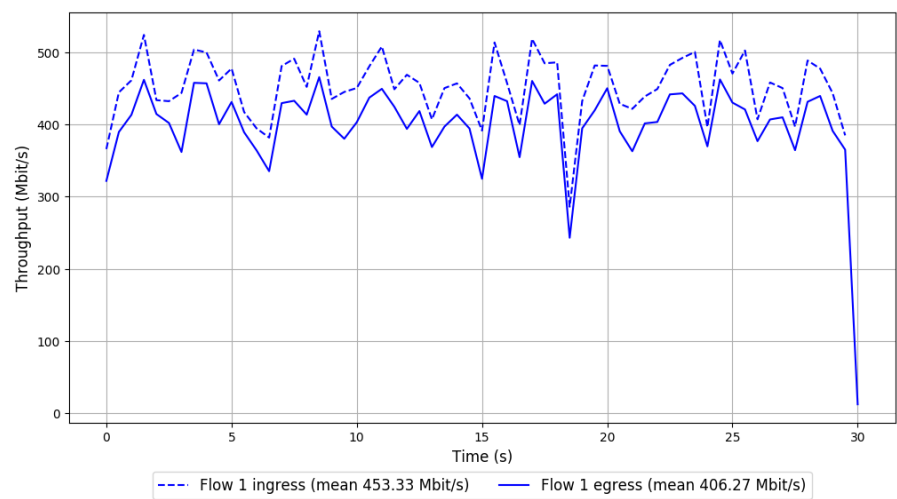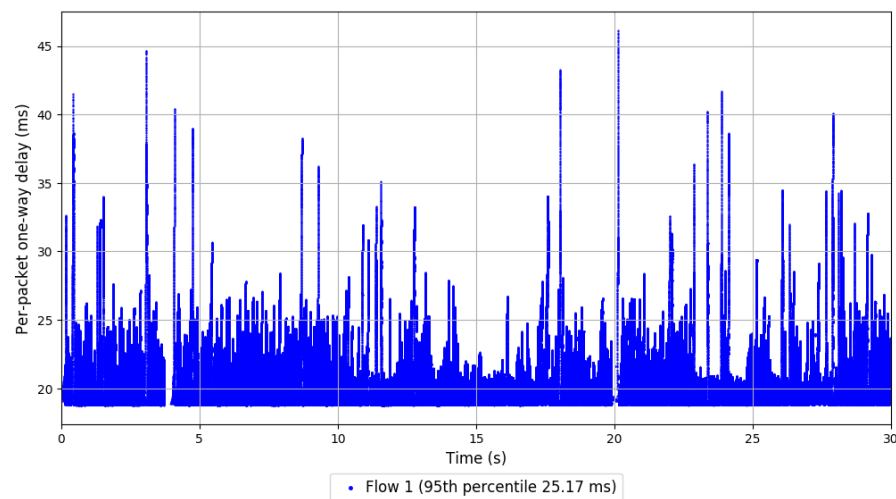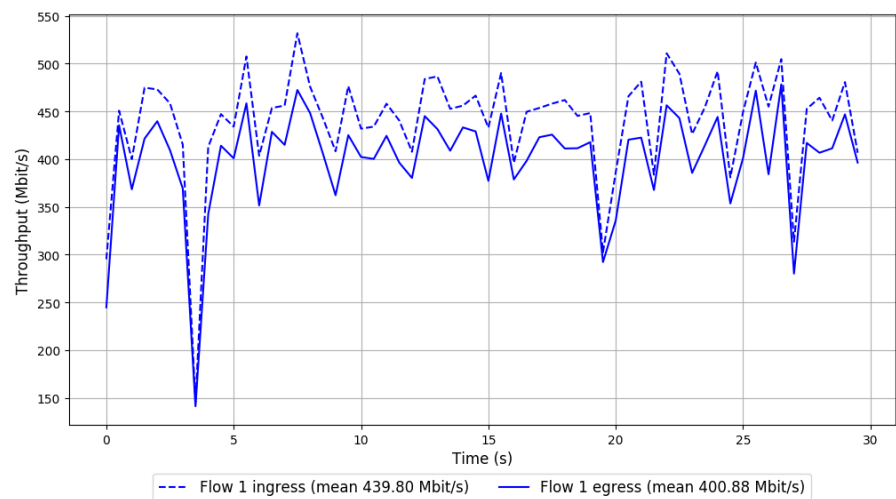
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 447.72 Mbit/s) ----   Flow 1 egress (mean 401.52 Mbit/s) ——
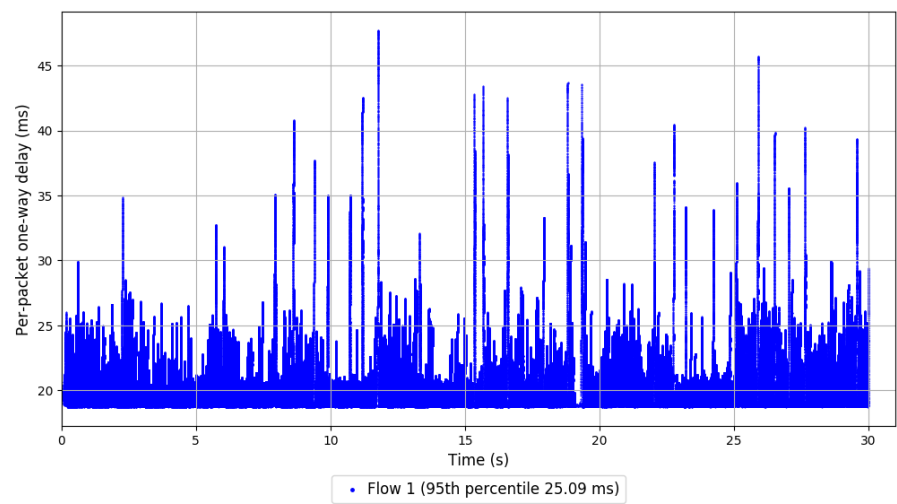

Flow 1 (95th percentile 24.85 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2017-10-10 23:08:34
End at: 2017-10-10 23:09:04
Local clock offset: 0.698 ms
Remote clock offset: -0.01 ms


# Below is generated by plot.py at 2017-10-11 01:37:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 406.27 Mbit/s
95th percentile per-packet one-way delay: 25.467 ms
Loss rate: 10.38%
-- Flow 1:
Average throughput: 406.27 Mbit/s
95th percentile per-packet one-way delay: 25.467 ms
Loss rate: 10.38%
```
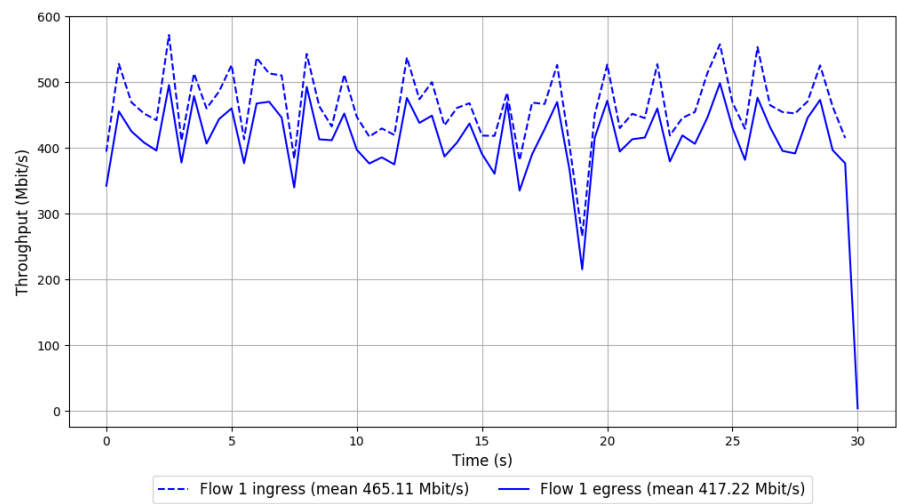
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 453.33 Mbit/s)   Flow 1 egress (mean 406.27 Mbit/s)

Flow 1 (95th percentile 25.47 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2017-10-10 23:27:40
End at: 2017-10-10 23:28:10
Local clock offset: 0.885 ms
Remote clock offset: -0.257 ms


# Below is generated by plot.py at 2017-10-11 01:43:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 400.88 Mbit/s
95th percentile per-packet one-way delay: 25.169 ms
Loss rate: 8.85%
-- Flow 1:
Average throughput: 400.88 Mbit/s
95th percentile per-packet one-way delay: 25.169 ms
Loss rate: 8.85%
```
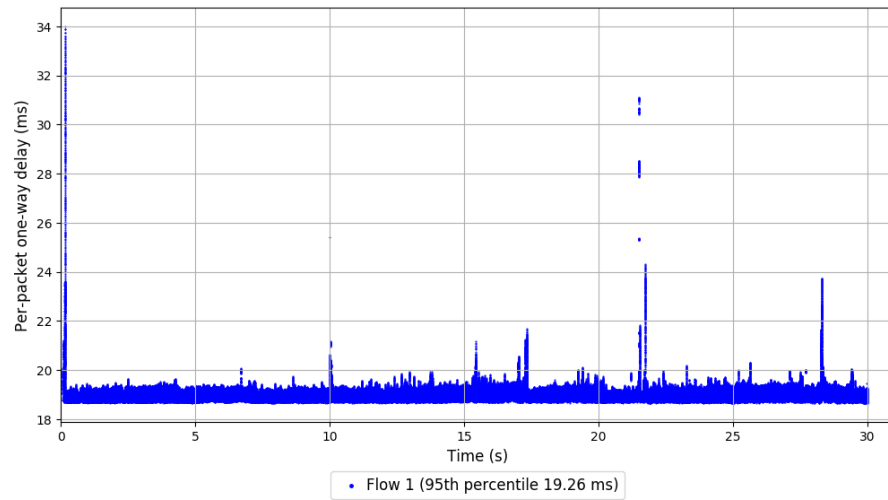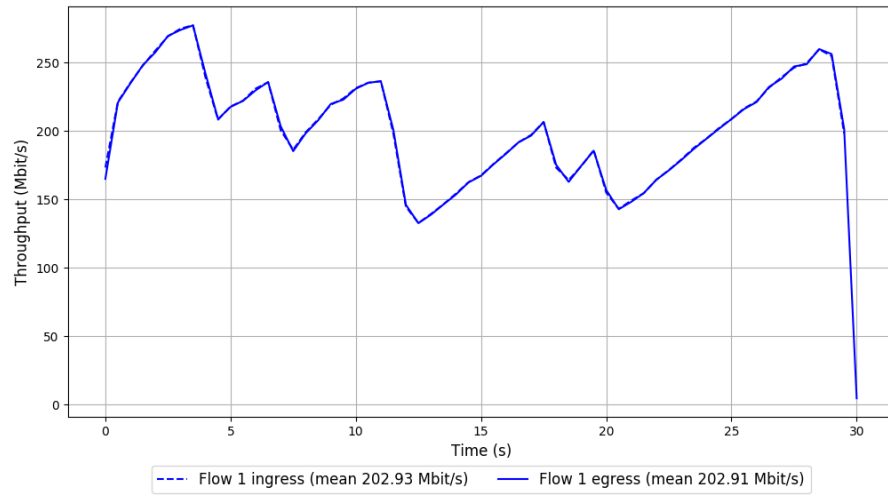
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 439.80 Mbit/s) ----   Flow 1 egress (mean 400.88 Mbit/s) ——

Flow 1 (95th percentile 25.17 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2017-10-10 23:46:24
End at: 2017-10-10 23:46:54
Local clock offset: 0.929 ms
Remote clock offset: -0.418 ms


# Below is generated by plot.py at 2017-10-11 01:43:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 417.22 Mbit/s
95th percentile per-packet one-way delay: 25.090 ms
Loss rate: 10.28%
-- Flow 1:
Average throughput: 417.22 Mbit/s
95th percentile per-packet one-way delay: 25.090 ms
Loss rate: 10.28%
```
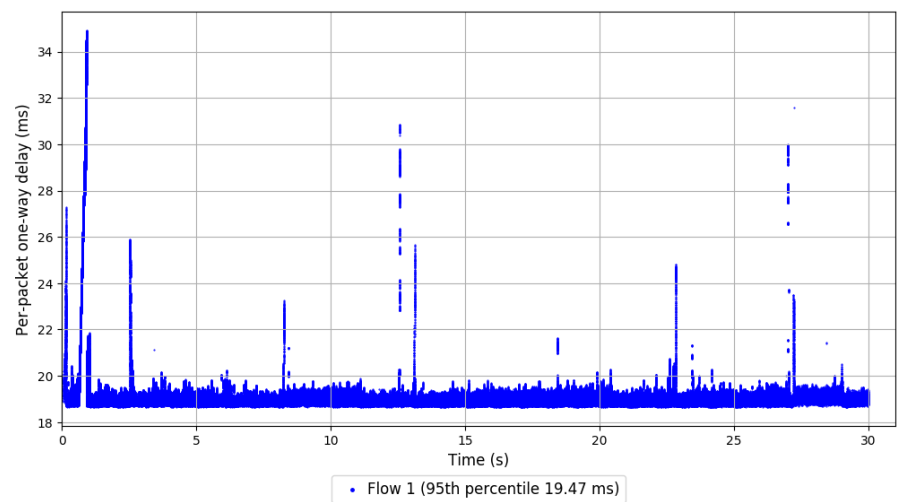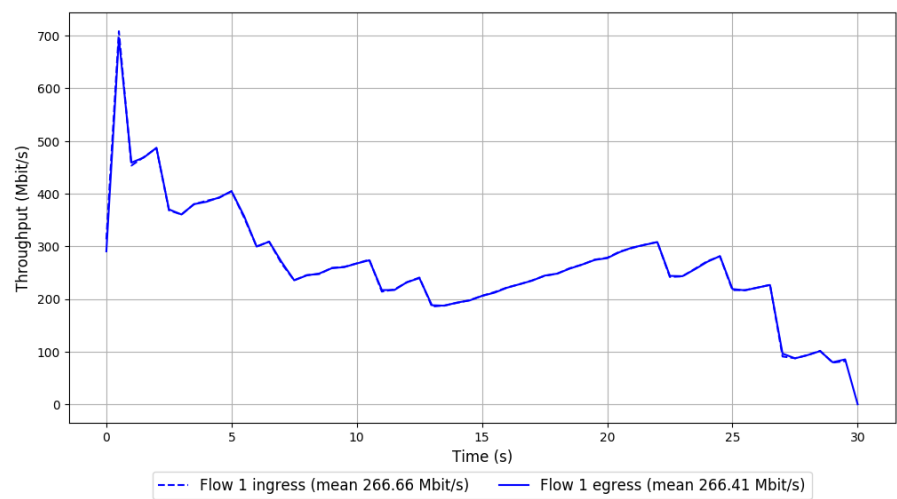
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 465.11 Mbit/s)　　　Flow 1 egress (mean 417.22 Mbit/s)

Flow 1 (95th percentile 25.09 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2017-10-10 20:50:05
End at: 2017-10-10 20:50:35
Local clock offset: -2.098 ms
Remote clock offset: 0.285 ms

# Below is generated by plot.py at 2017-10-11 01:43:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.91 Mbit/s
95th percentile per-packet one-way delay: 19.260 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 202.91 Mbit/s
95th percentile per-packet one-way delay: 19.260 ms
Loss rate: 0.01%
```
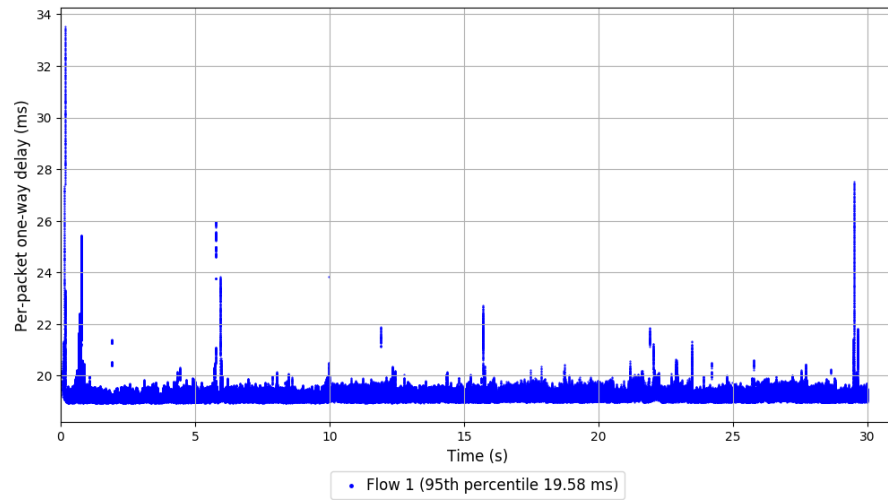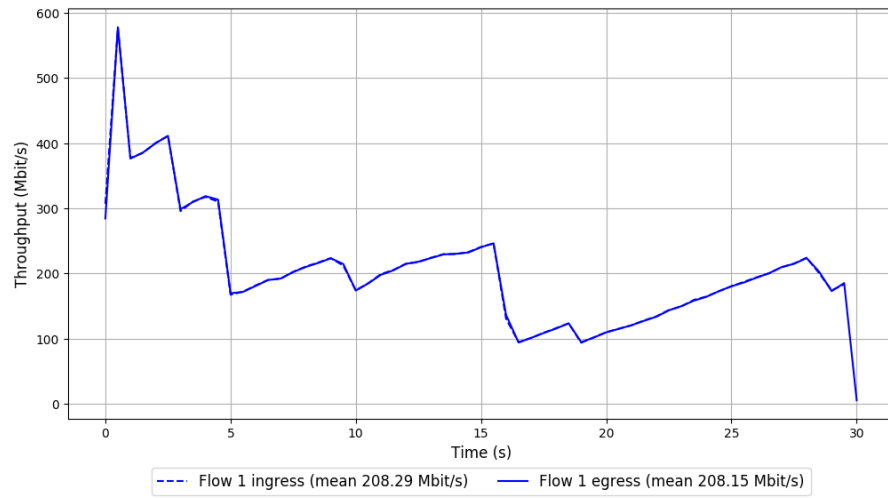
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2017-10-10 21:08:49
End at: 2017-10-10 21:09:19
Local clock offset: -2.504 ms
Remote clock offset: 0.228 ms

# Below is generated by plot.py at 2017-10-11 01:43:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.41 Mbit/s
95th percentile per-packet one-way delay: 19.470 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 266.41 Mbit/s
95th percentile per-packet one-way delay: 19.470 ms
Loss rate: 0.10%
```
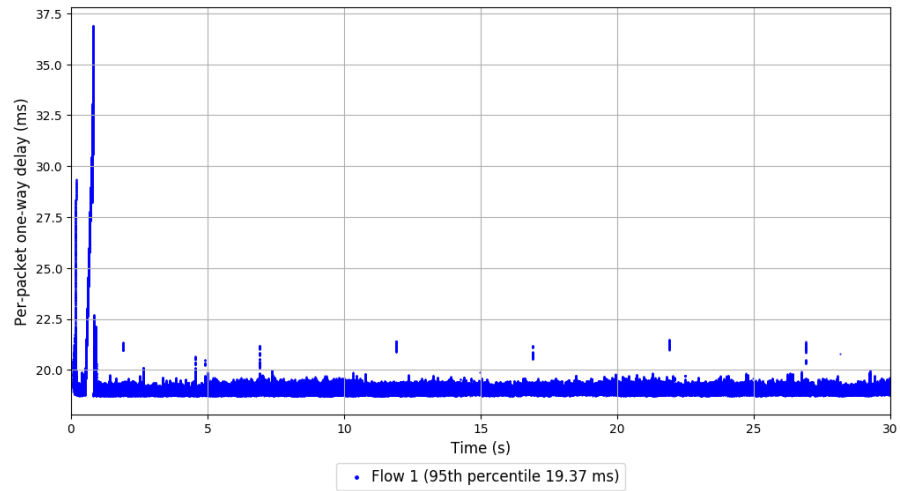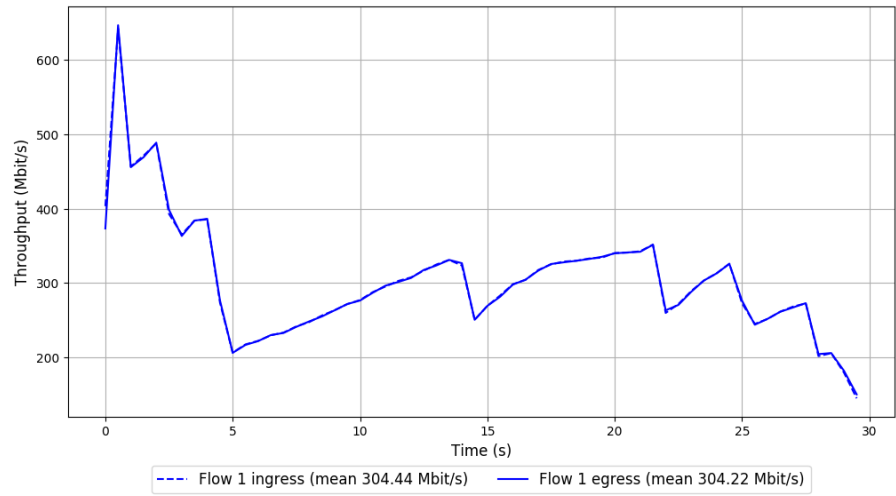
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 266.66 Mbit/s) ----   Flow 1 egress (mean 266.41 Mbit/s) ——

Flow 1 (95th percentile 19.47 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2017-10-10 21:28:16
End at: 2017-10-10 21:28:46
Local clock offset: -2.363 ms
Remote clock offset: 0.233 ms


# Below is generated by plot.py at 2017-10-11 01:43:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.15 Mbit/s
95th percentile per-packet one-way delay: 19.578 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 208.15 Mbit/s
95th percentile per-packet one-way delay: 19.578 ms
Loss rate: 0.07%
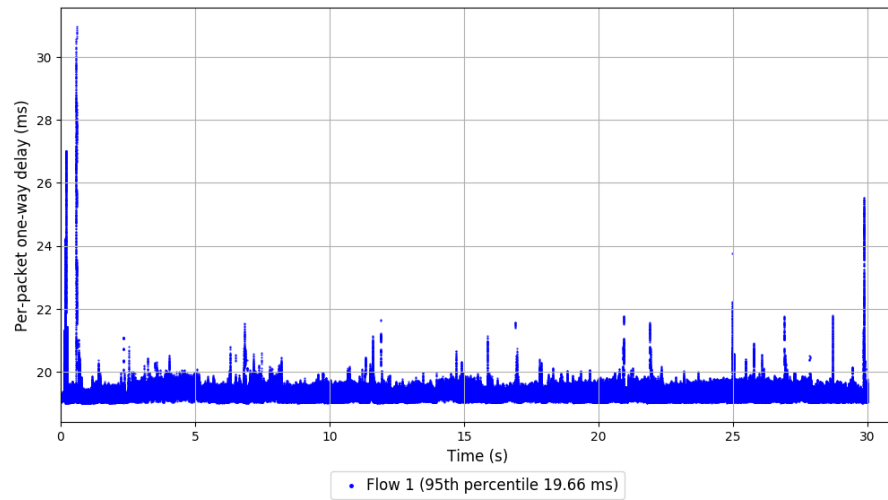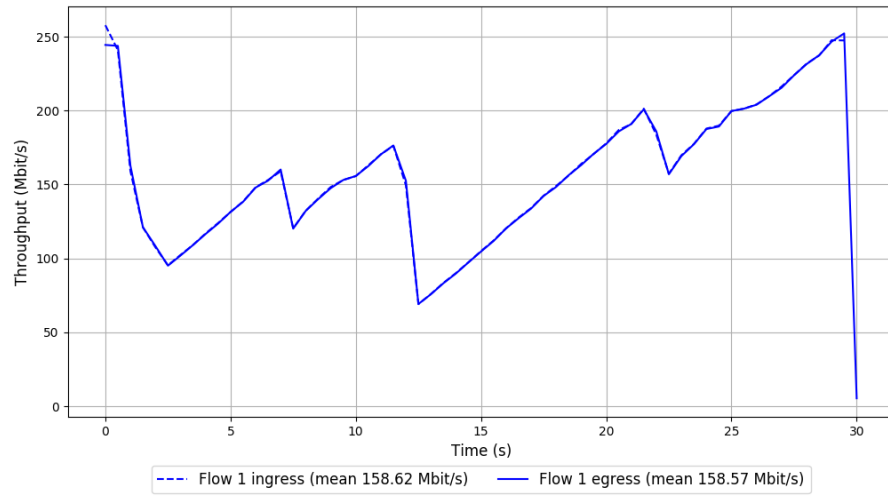```
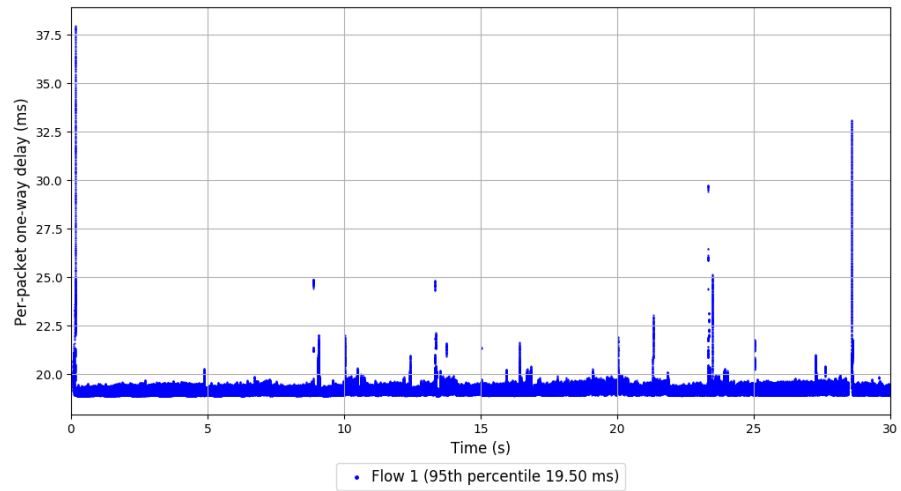
Run 3: Report of TCP Cubic — Data Link



Flow 1 ingress (mean 208.29 Mbit/s)  ----  Flow 1 egress (mean 208.15 Mbit/s)



Flow 1 (95th percentile 19.58 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2017-10-10 21:47:08
End at: 2017-10-10 21:47:38
Local clock offset: -1.538 ms
Remote clock offset: -0.041 ms

Below is generated by plot.py at 2017-10-11 01:43:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 304.22 Mbit/s
95th percentile per-packet one-way delay: 19.369 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 304.22 Mbit/s
95th percentile per-packet one-way delay: 19.369 ms
Loss rate: 0.07%
```
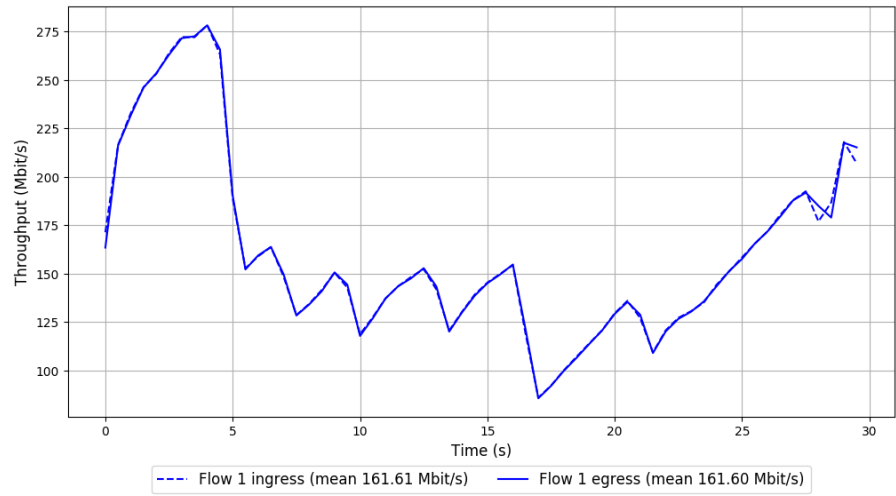
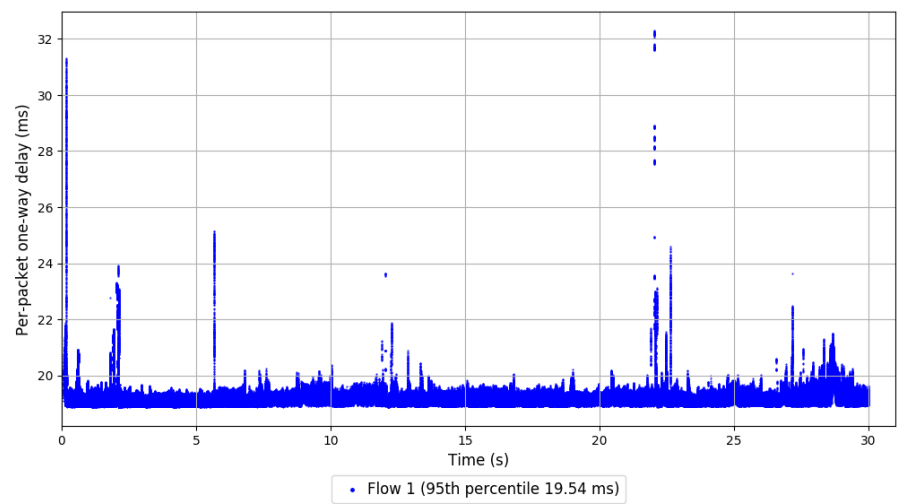Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2017-10-10 22:05:56
End at: 2017-10-10 22:06:26
Local clock offset: -0.944 ms
Remote clock offset: -0.025 ms

Below is generated by plot.py at 2017-10-11 01:43:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 158.57 Mbit/s
95th percentile per-packet one-way delay: 19.655 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 158.57 Mbit/s
95th percentile per-packet one-way delay: 19.655 ms
Loss rate: 0.03%
```
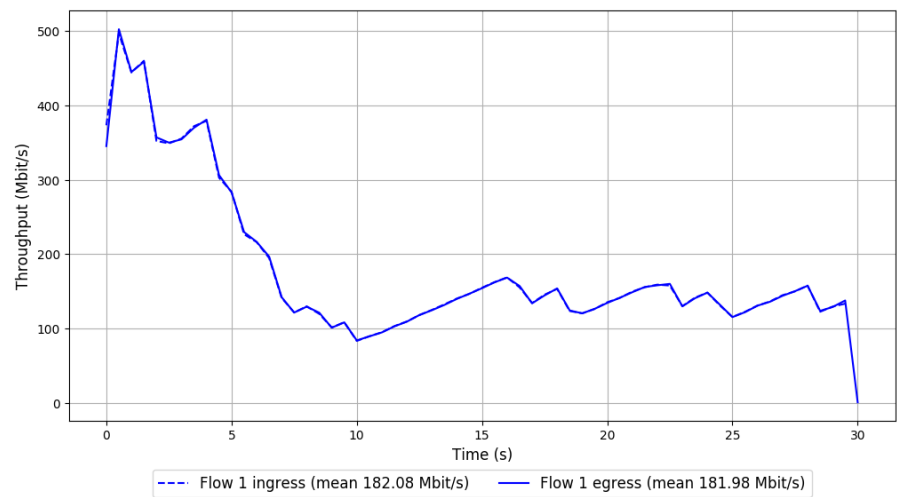
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2017-10-10 22:24:44
End at: 2017-10-10 22:25:14
Local clock offset: -0.103 ms
Remote clock offset: -0.176 ms

Below is generated by plot.py at 2017-10-11 01:43:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 161.60 Mbit/s
95th percentile per-packet one-way delay: 19.495 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 161.60 Mbit/s
95th percentile per-packet one-way delay: 19.495 ms
Loss rate: 0.01%
```
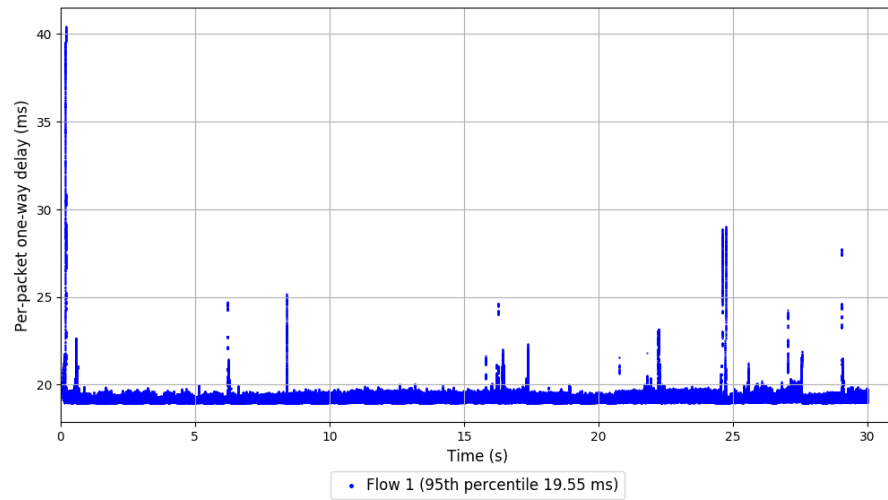
Run 6: Report of TCP Cubic — Data Link

```
Run 7: Statistics of TCP Cubic

Start at: 2017-10-10 22:43:20
End at: 2017-10-10 22:43:50
Local clock offset: 0.252 ms
Remote clock offset: -0.166 ms

Below is generated by plot.py at 2017-10-11 01:43:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 181.98 Mbit/s
95th percentile per-packet one-way delay: 19.543 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 181.98 Mbit/s
95th percentile per-packet one-way delay: 19.543 ms
Loss rate: 0.05%
```
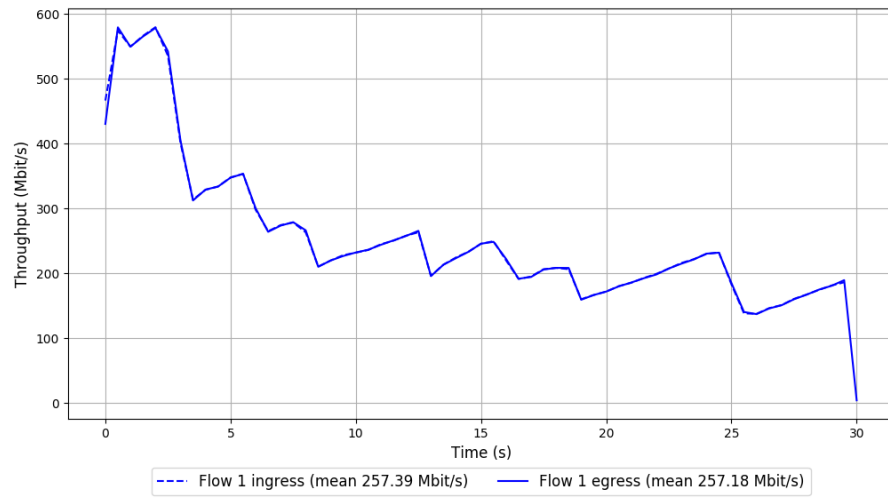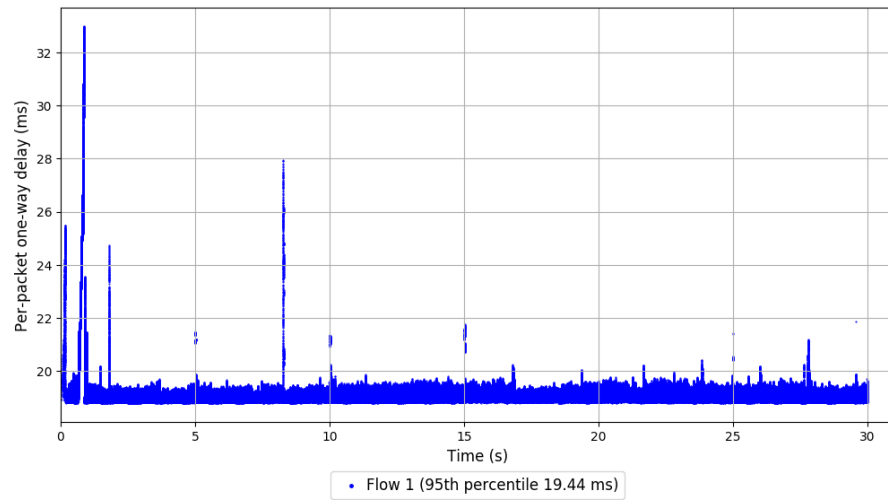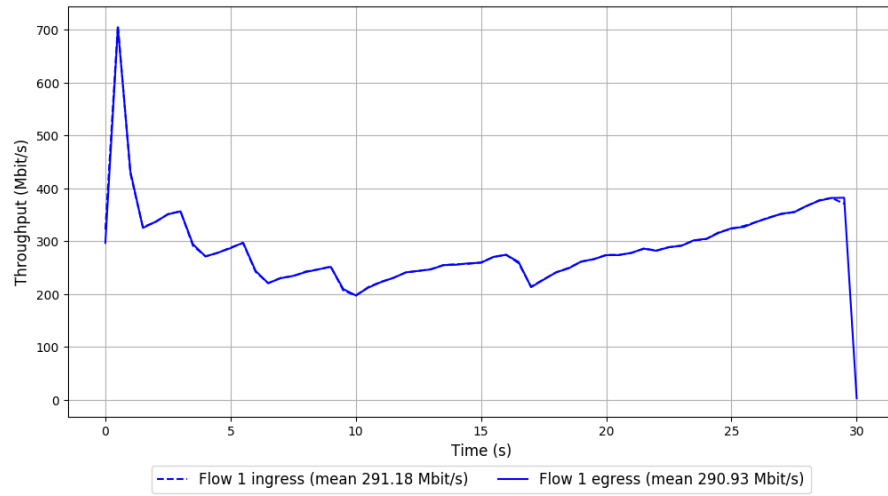
Run 7: Report of TCP Cubic — Data Link



Flow 1 ingress (mean 182.08 Mbit/s) — Flow 1 egress (mean 181.98 Mbit/s)



Flow 1 (95th percentile 19.54 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2017-10-10 23:02:16
End at: 2017-10-10 23:02:46
Local clock offset: 0.624 ms
Remote clock offset: 0.018 ms

Below is generated by plot.py at 2017-10-11 01:43:36
Datalink statistics
-- Total of 1 flow:
Average throughput: 257.18 Mbit/s
95th percentile per-packet one-way delay: 19.547 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 257.18 Mbit/s
95th percentile per-packet one-way delay: 19.547 ms
Loss rate: 0.08%
```
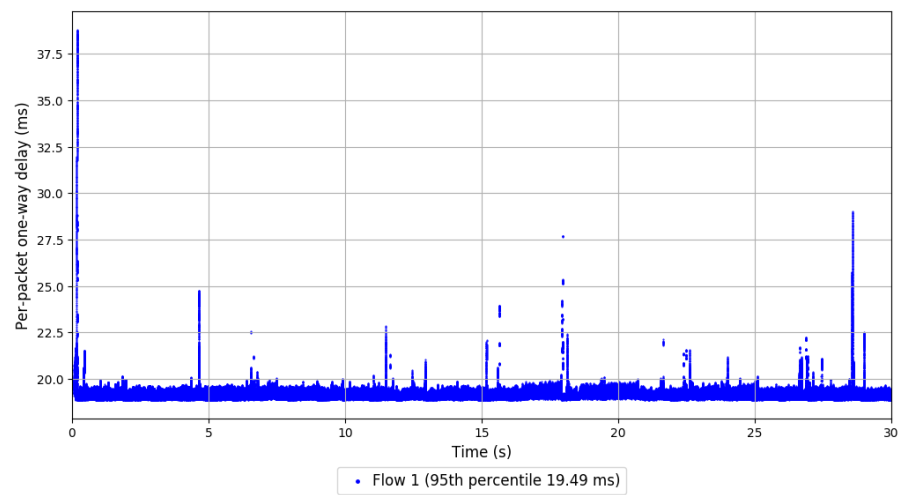
Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: 2017-10-10 23:21:07
End at: 2017-10-10 23:21:37
Local clock offset: 0.862 ms
Remote clock offset: -0.221 ms

Below is generated by plot.py at 2017-10-11 01:44:21
Datalink statistics
-- Total of 1 flow:
Average throughput: 290.93 Mbit/s
95th percentile per-packet one-way delay: 19.440 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 290.93 Mbit/s
95th percentile per-packet one-way delay: 19.440 ms
Loss rate: 0.08%
```
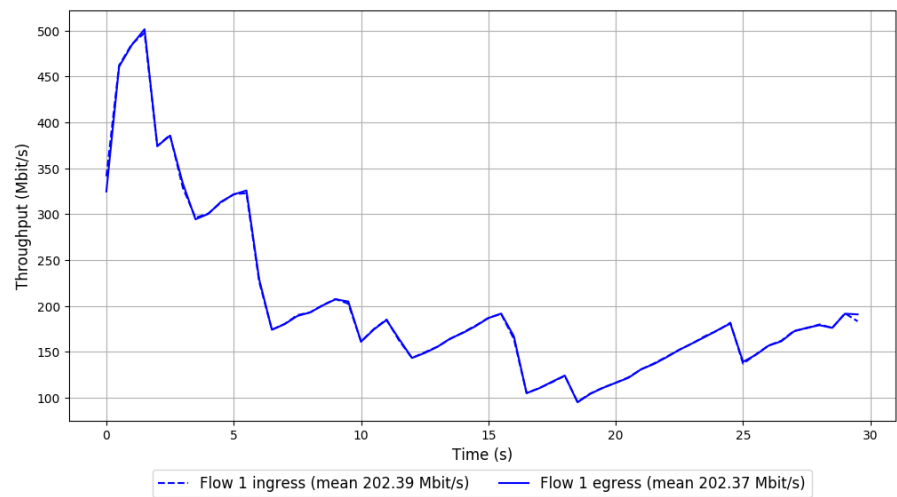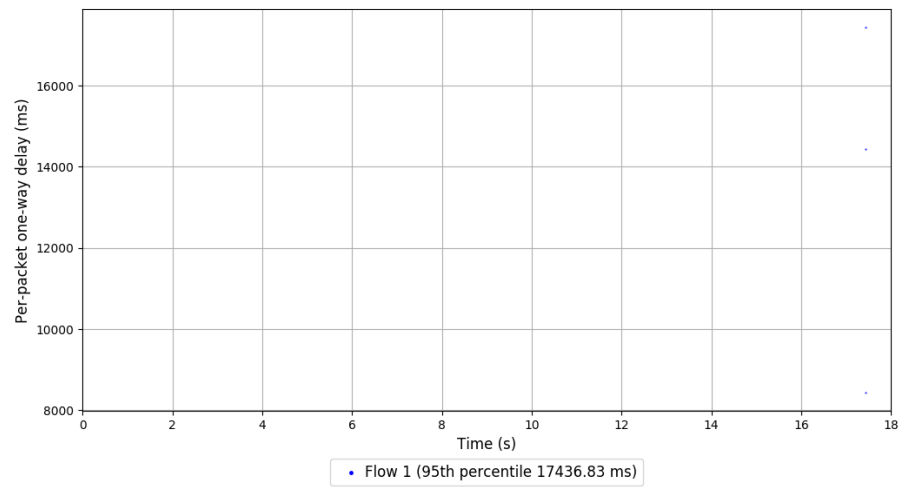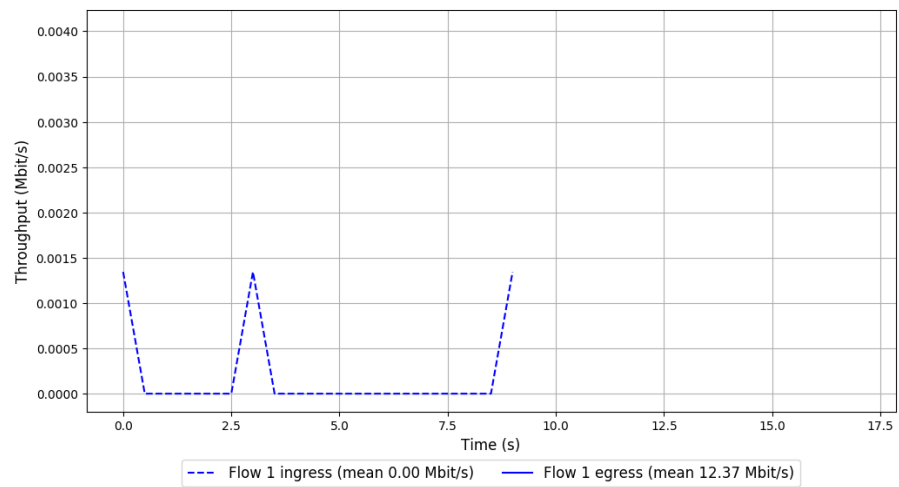
## Run 9: Report of TCP Cubic — Data Link



Flow 1 ingress (mean 291.18 Mbit/s) — Flow 1 egress (mean 290.93 Mbit/s)



Flow 1 (95th percentile 19.44 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2017-10-10 23:40:10
End at: 2017-10-10 23:40:40
Local clock offset: 0.899 ms
Remote clock offset: -0.282 ms


# Below is generated by plot.py at 2017-10-11 01:44:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.37 Mbit/s
95th percentile per-packet one-way delay: 19.493 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 202.37 Mbit/s
95th percentile per-packet one-way delay: 19.493 ms
Loss rate: 0.01%
```

Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 202.39 Mbit/s)   Flow 1 egress (mean 202.37 Mbit/s)

Flow 1 (95th percentile 19.49 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2017-10-10 20:52:45
End at: 2017-10-10 20:53:15
Local clock offset: -2.184 ms
Remote clock offset: 0.369 ms
```
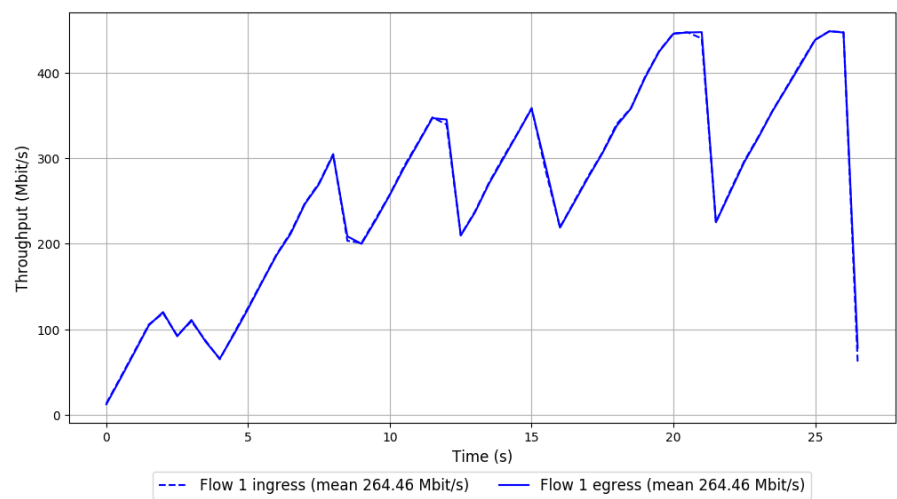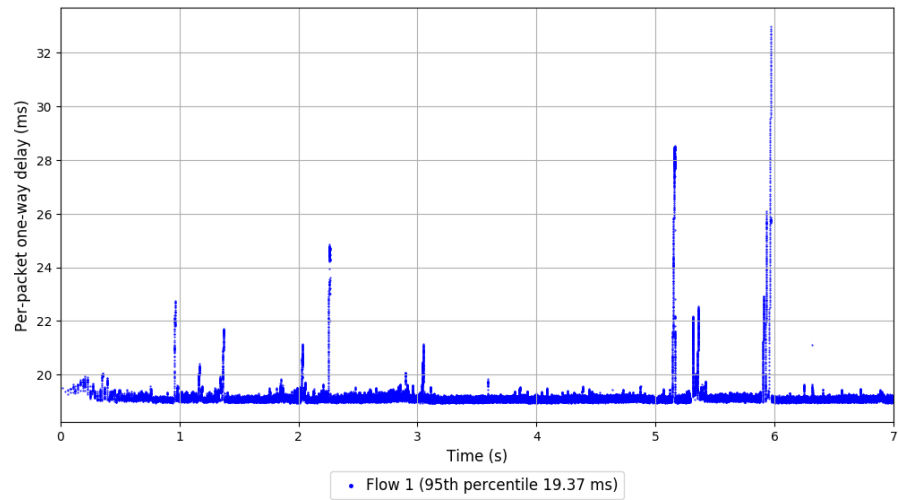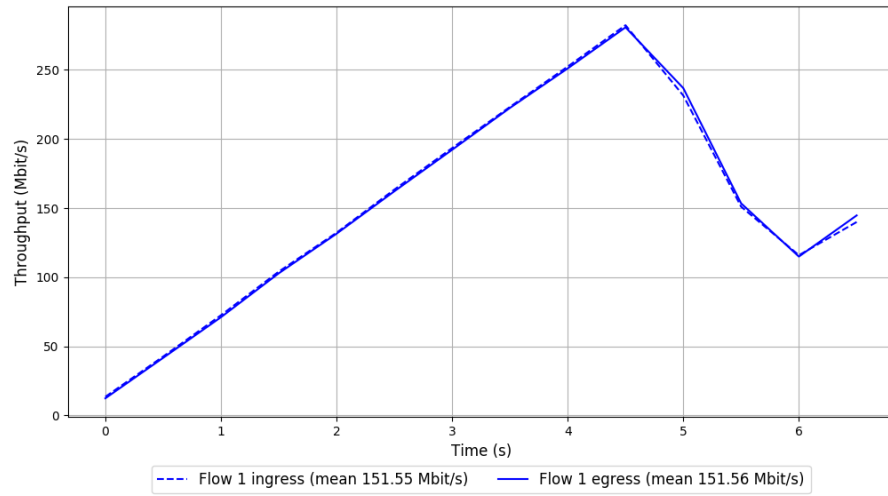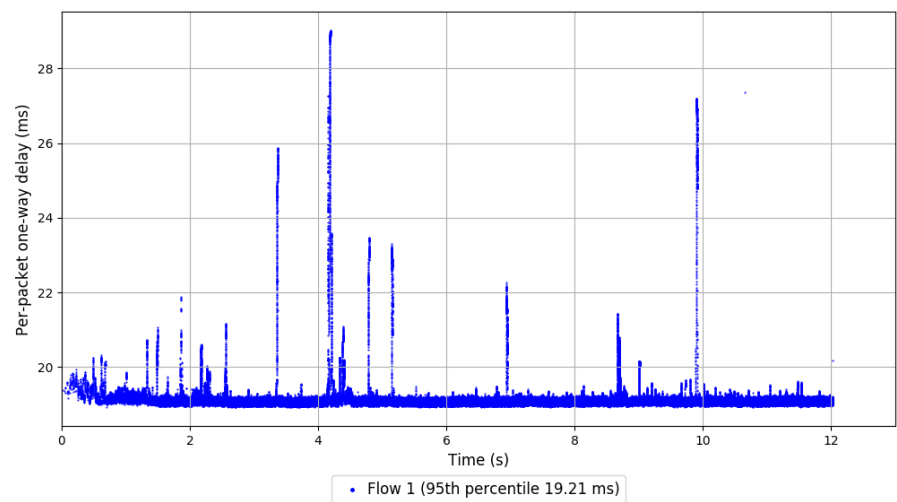
Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 0.00 Mbit/s) ----   Flow 1 egress (mean 12.37 Mbit/s) ——

• Flow 1 (95th percentile 17436.83 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2017-10-10 21:11:46
End at: 2017-10-10 21:12:16
Local clock offset: -2.512 ms
Remote clock offset: 0.17 ms


# Below is generated by plot.py at 2017-10-11 01:44:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.46 Mbit/s
95th percentile per-packet one-way delay: 18.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 264.46 Mbit/s
95th percentile per-packet one-way delay: 18.934 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 264.46 Mbit/s)   Flow 1 egress (mean 264.46 Mbit/s)

Flow 1 (95th percentile 18.93 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2017-10-10 21:30:56
End at: 2017-10-10 21:31:26
Local clock offset: -2.241 ms
Remote clock offset: 0.186 ms
```

Run 3: Report of LEDBAT — Data Link

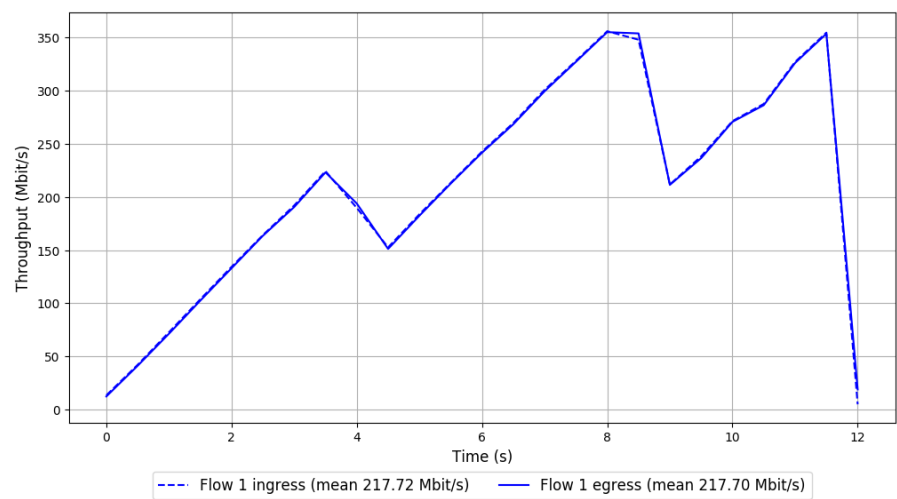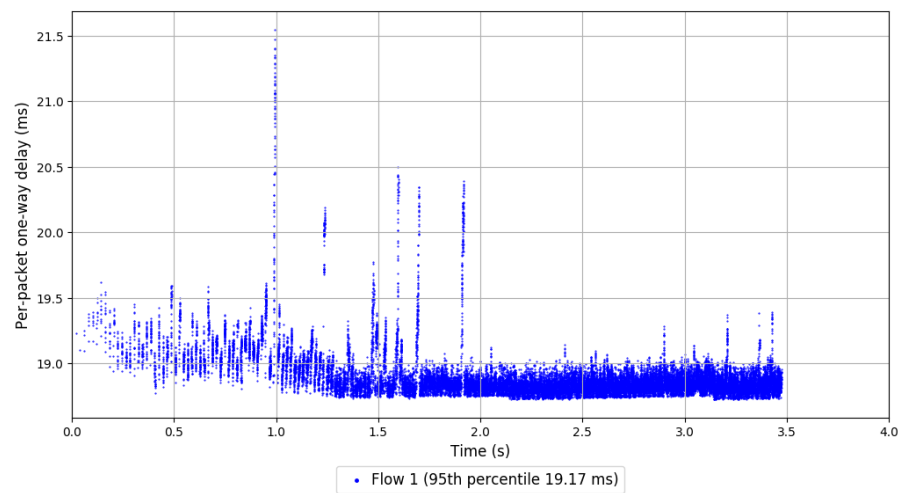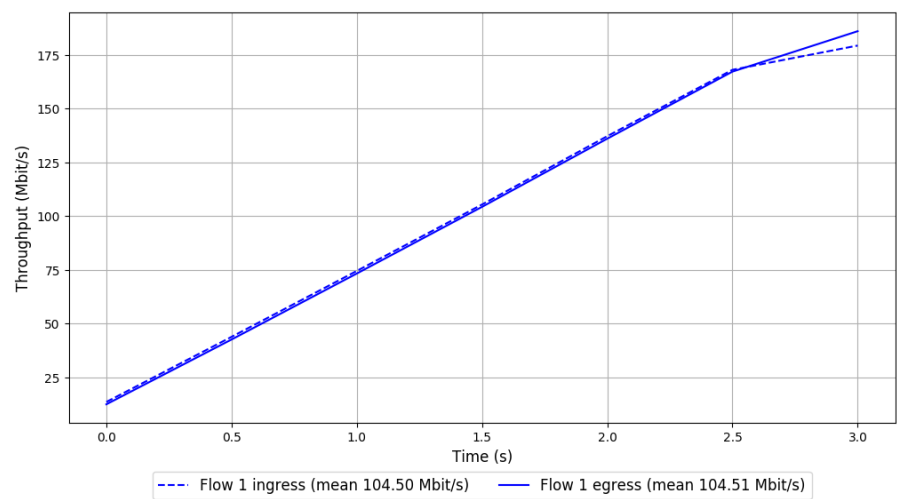Flow 1 ingress (mean 151.55 Mbit/s) — Flow 1 egress (mean 151.56 Mbit/s)

• Flow 1 (95th percentile 19.37 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2017-10-10 21:49:51
End at: 2017-10-10 21:50:21
Local clock offset: -1.451 ms
Remote clock offset: -0.068 ms
```

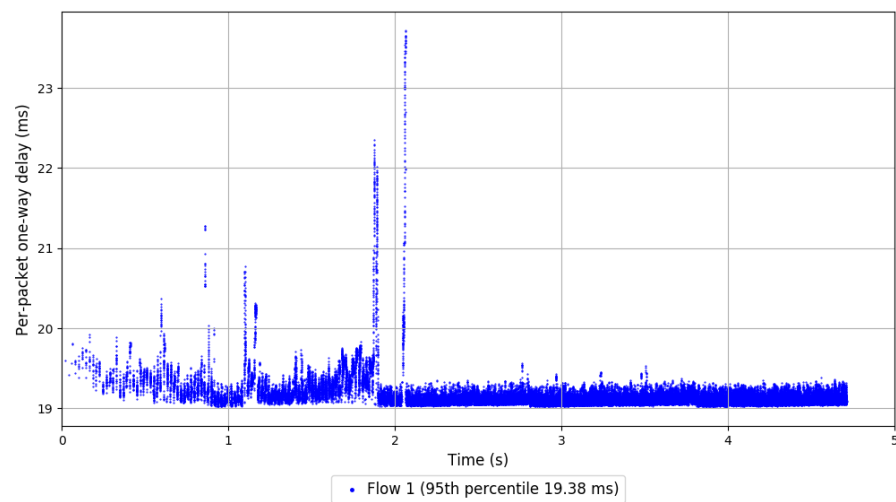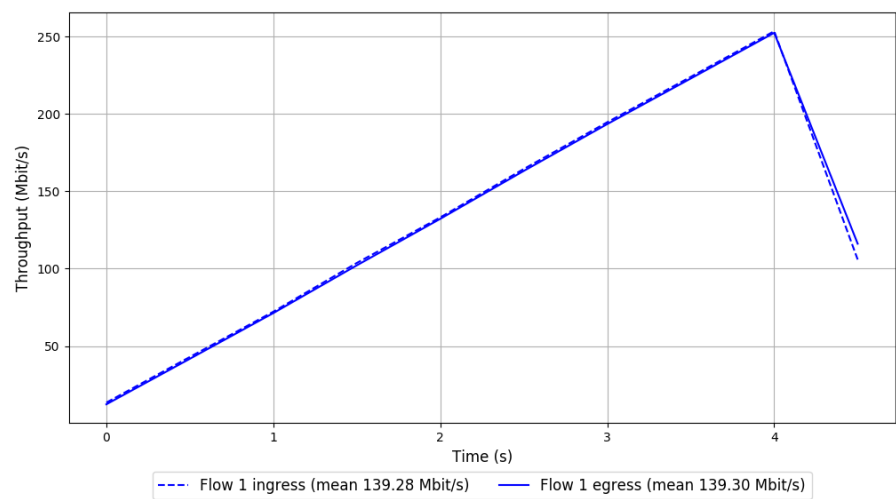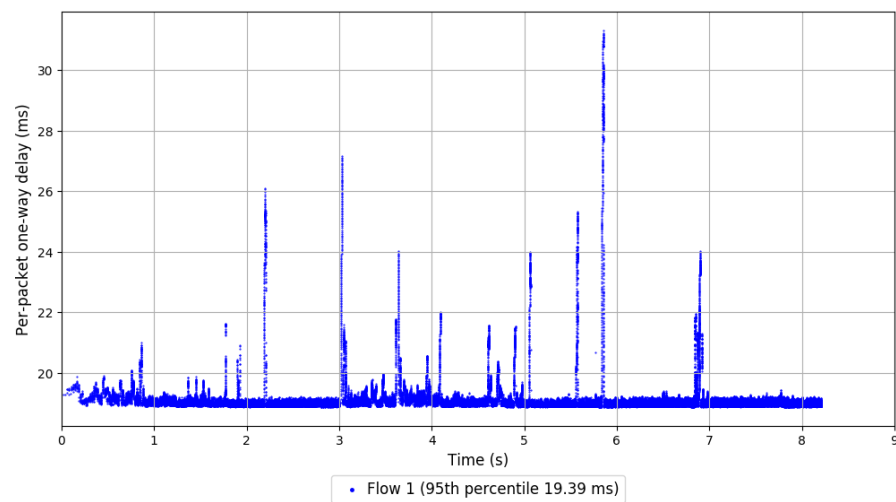Run 4: Report of LEDBAT — Data Link
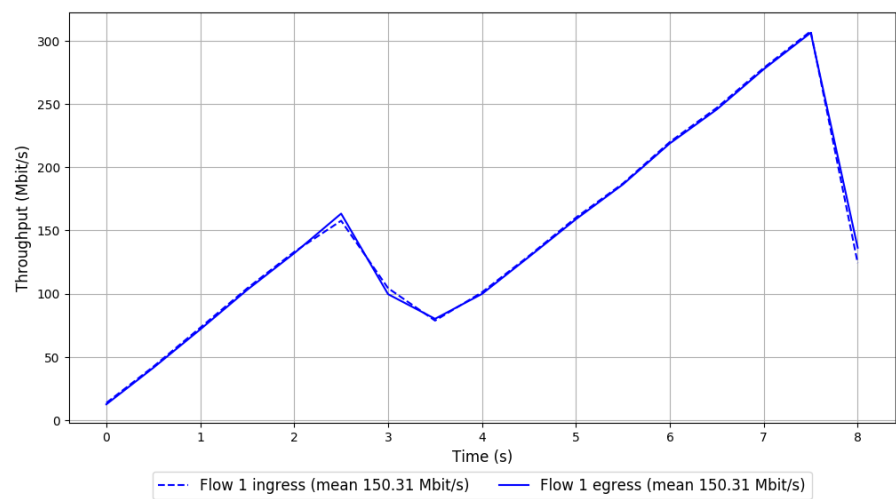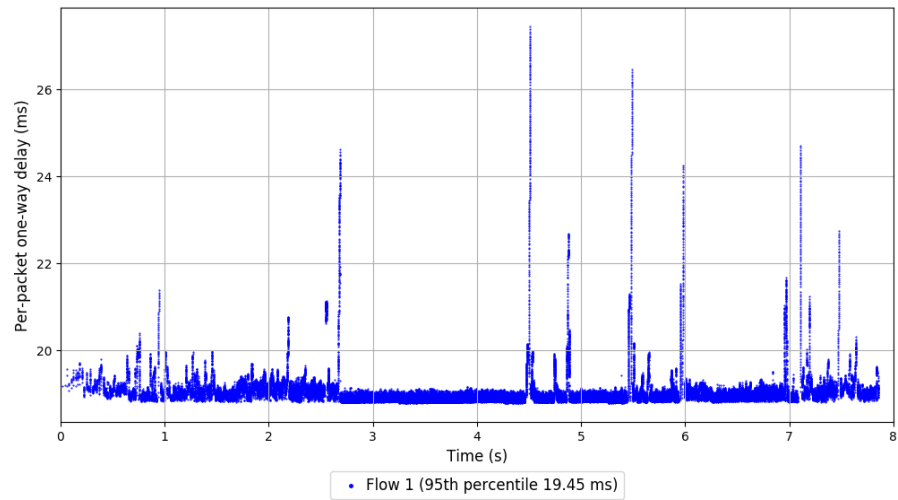
```
Run 5: Statistics of LEDBAT

Start at: 2017-10-10 22:08:33
End at: 2017-10-10 22:09:03
Local clock offset: -0.895 ms
Remote clock offset: -0.089 ms
```

Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 104.50 Mbit/s) --- Flow 1 egress (mean 104.51 Mbit/s)

Flow 1 (95th percentile 19.17 ms)

53

```
Run 6: Statistics of LEDBAT

Start at: 2017-10-10 22:27:21
End at: 2017-10-10 22:27:51
Local clock offset: -0.069 ms
Remote clock offset: -0.098 ms
```

Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 139.28 Mbit/s)   Flow 1 egress (mean 139.30 Mbit/s)

• Flow 1 (95th percentile 19.38 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2017-10-10 22:45:58
End at: 2017-10-10 22:46:28
Local clock offset: 0.291 ms
Remote clock offset: -0.163 ms
```

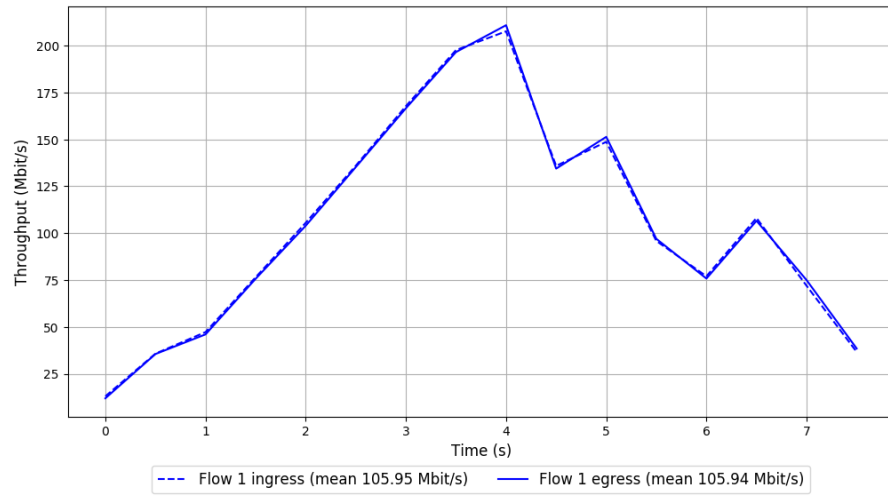Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: 2017-10-10 23:04:57
End at: 2017-10-10 23:05:27
Local clock offset: 0.758 ms
Remote clock offset: -0.032 ms
```
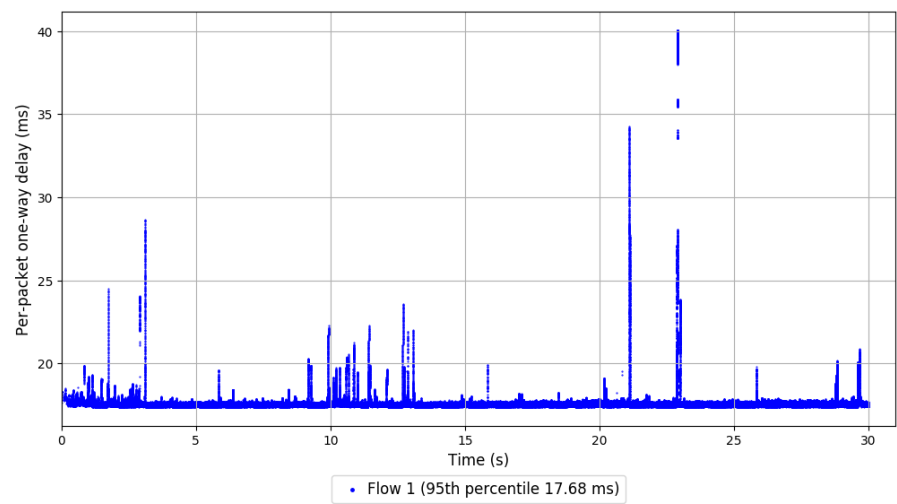
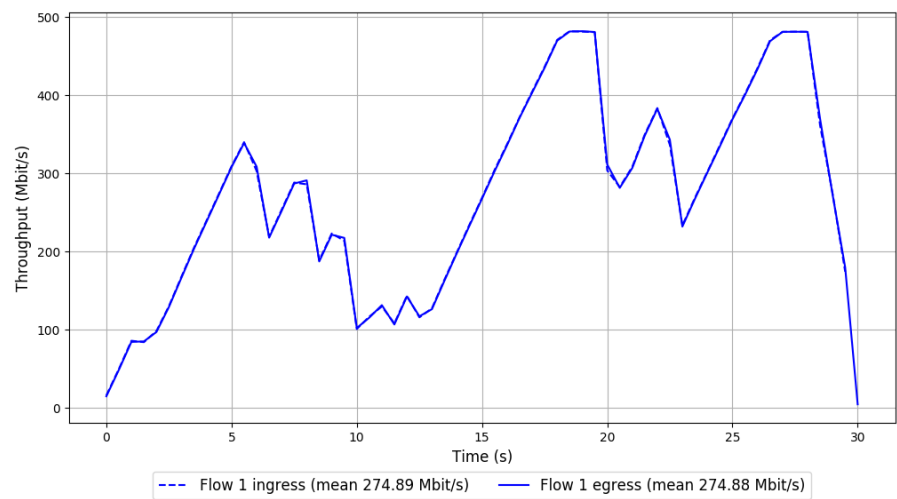Run 8: Report of LEDBAT — Data Link

```
Run 9: Statistics of LEDBAT

Start at: 2017-10-10 23:23:49
End at: 2017-10-10 23:24:19
Local clock offset: 0.763 ms
Remote clock offset: -0.135 ms


# Below is generated by plot.py at 2017-10-11 01:46:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.88 Mbit/s
95th percentile per-packet one-way delay: 17.683 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 274.88 Mbit/s
95th percentile per-packet one-way delay: 17.683 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 274.89 Mbit/s)   Flow 1 egress (mean 274.88 Mbit/s)

Flow 1 (95th percentile 17.68 ms)
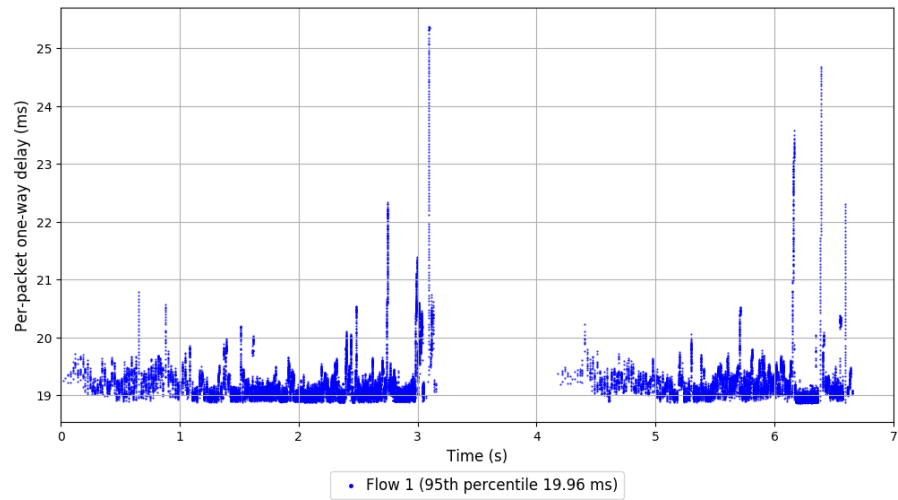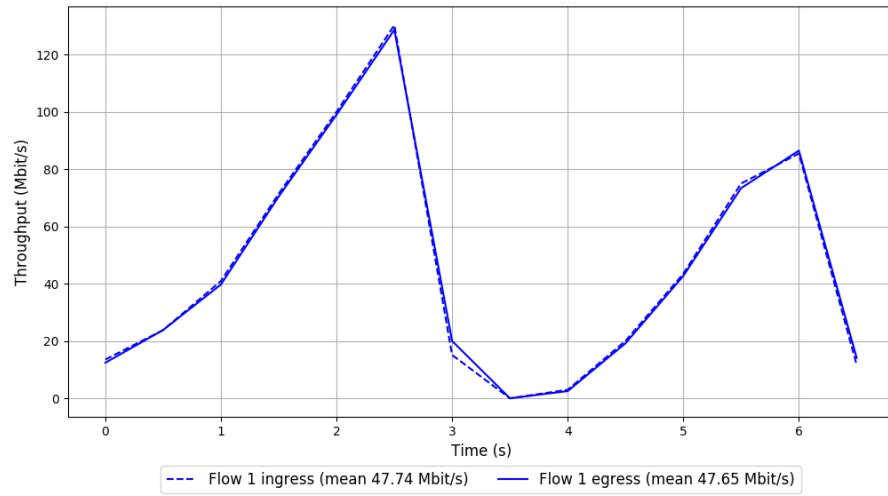
```
Run 10: Statistics of LEDBAT

Start at: 2017-10-10 23:42:49
End at: 2017-10-10 23:43:19
Local clock offset: 0.927 ms
Remote clock offset: -0.296 ms
```
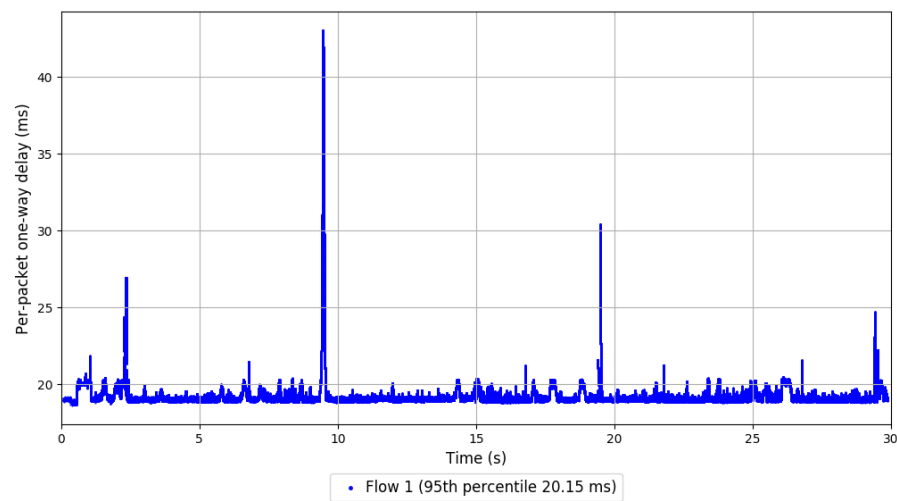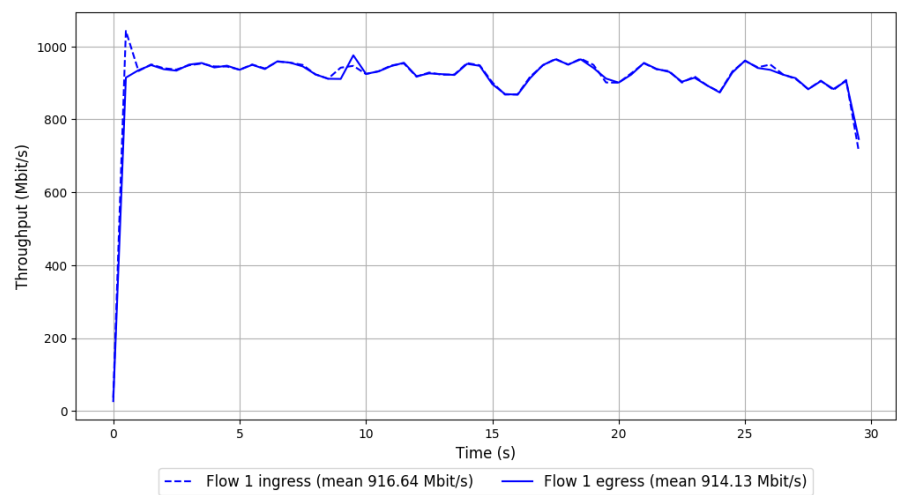
Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: 2017-10-10 21:07:12
End at: 2017-10-10 21:07:42
Local clock offset: -2.54 ms
Remote clock offset: 0.161 ms


# Below is generated by plot.py at 2017-10-11 01:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 914.13 Mbit/s
95th percentile per-packet one-way delay: 20.146 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 914.13 Mbit/s
95th percentile per-packet one-way delay: 20.146 ms
Loss rate: 0.27%
```

Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 916.64 Mbit/s)   Flow 1 egress (mean 914.13 Mbit/s)

Flow 1 (95th percentile 20.15 ms)

```
Run 2: Statistics of PCC

Start at: 2017-10-10 21:26:39
End at: 2017-10-10 21:27:09
Local clock offset: -2.524 ms
Remote clock offset: 0.158 ms

# Below is generated by plot.py at 2017-10-11 01:56:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 916.75 Mbit/s
95th percentile per-packet one-way delay: 20.235 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 916.75 Mbit/s
95th percentile per-packet one-way delay: 20.235 ms
Loss rate: 0.57%
```
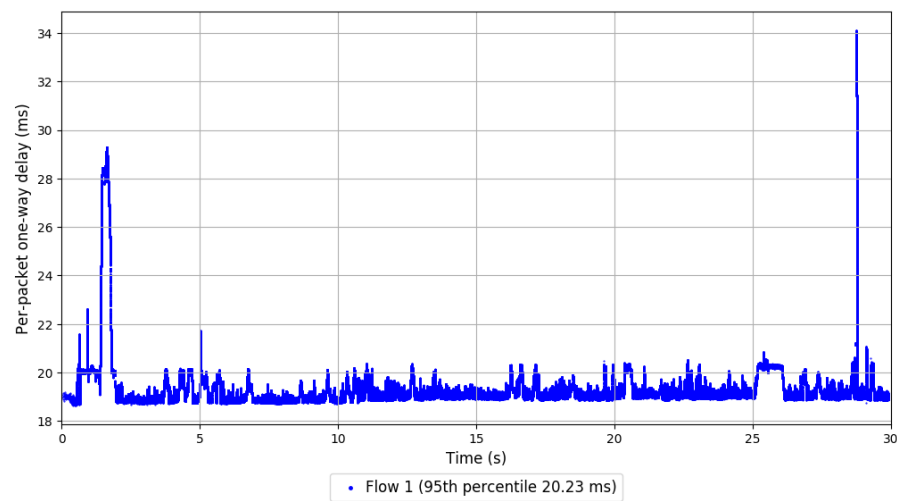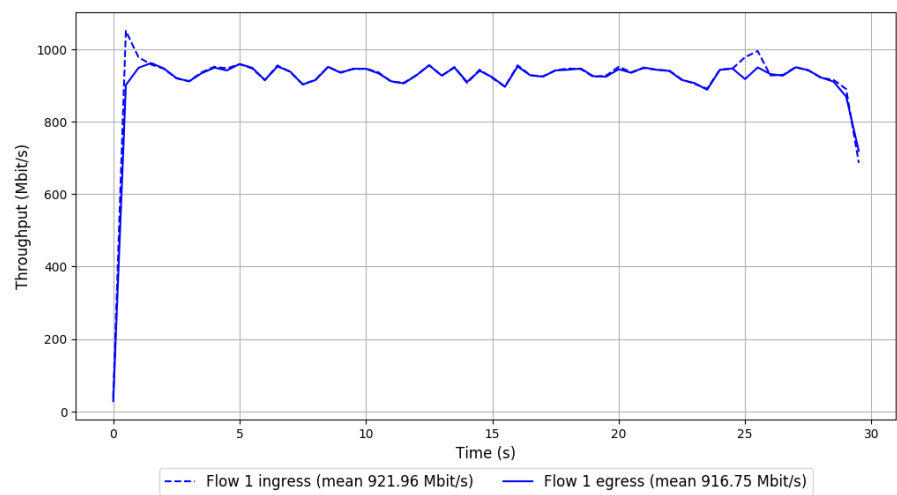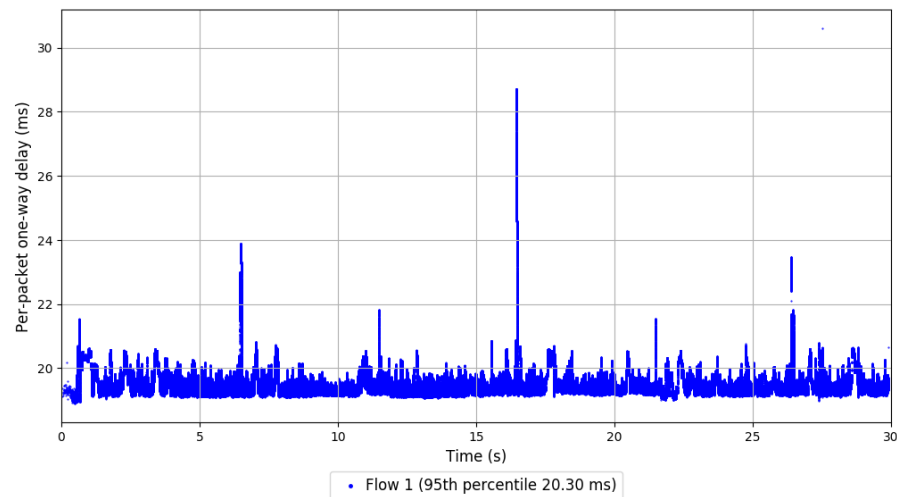
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 921.96 Mbit/s)   Flow 1 egress (mean 916.75 Mbit/s)

• Flow 1 (95th percentile 20.23 ms)

67

```
Run 3: Statistics of PCC

Start at: 2017-10-10 21:45:30
End at: 2017-10-10 21:46:00
Local clock offset: -1.521 ms
Remote clock offset: 0.01 ms


# Below is generated by plot.py at 2017-10-11 01:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 916.14 Mbit/s
95th percentile per-packet one-way delay: 20.298 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 916.14 Mbit/s
95th percentile per-packet one-way delay: 20.298 ms
Loss rate: 0.26%
```
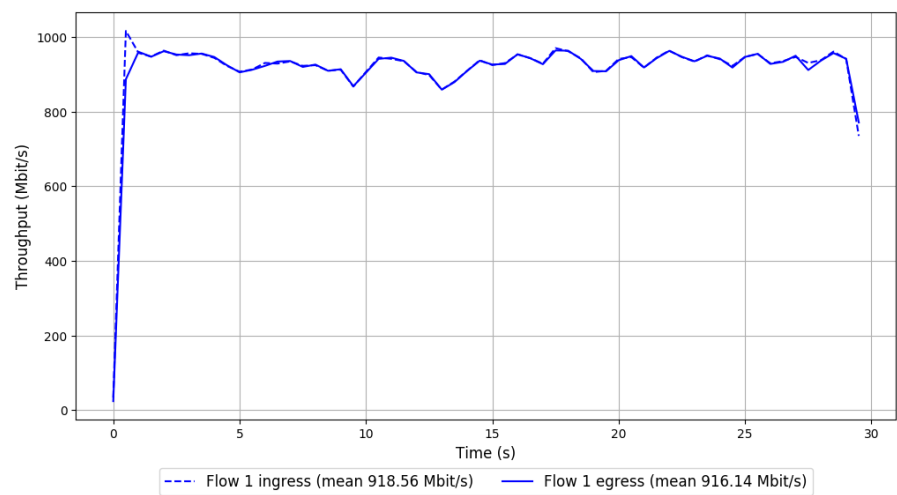
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 918.56 Mbit/s) ----- Flow 1 egress (mean 916.14 Mbit/s)

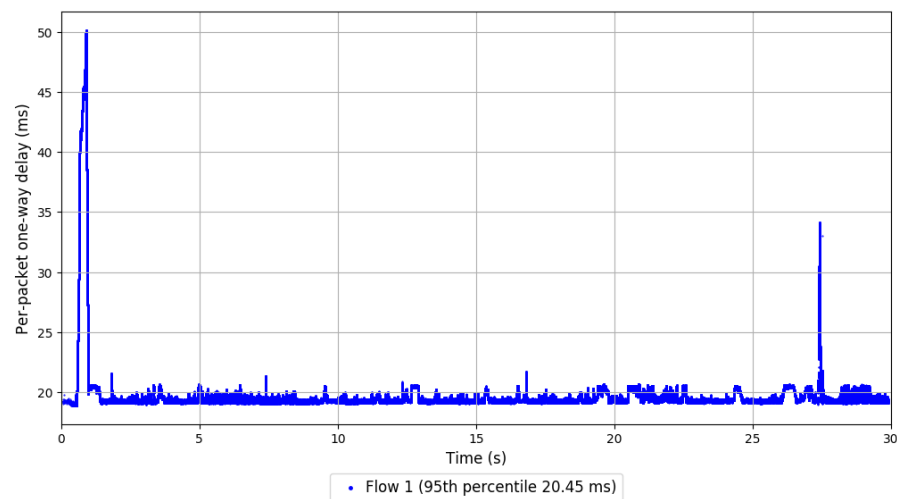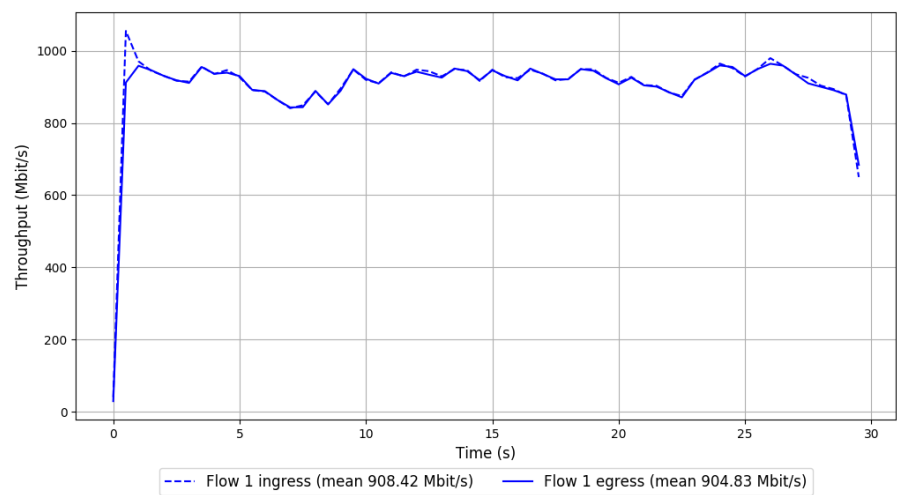Flow 1 (95th percentile 20.30 ms)

```
Run 4: Statistics of PCC

Start at: 2017-10-10 22:04:19
End at: 2017-10-10 22:04:49
Local clock offset: -0.968 ms
Remote clock offset: -0.101 ms


# Below is generated by plot.py at 2017-10-11 01:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 904.83 Mbit/s
95th percentile per-packet one-way delay: 20.452 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 904.83 Mbit/s
95th percentile per-packet one-way delay: 20.452 ms
Loss rate: 0.40%
```

Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 908.42 Mbit/s)   Flow 1 egress (mean 904.83 Mbit/s)

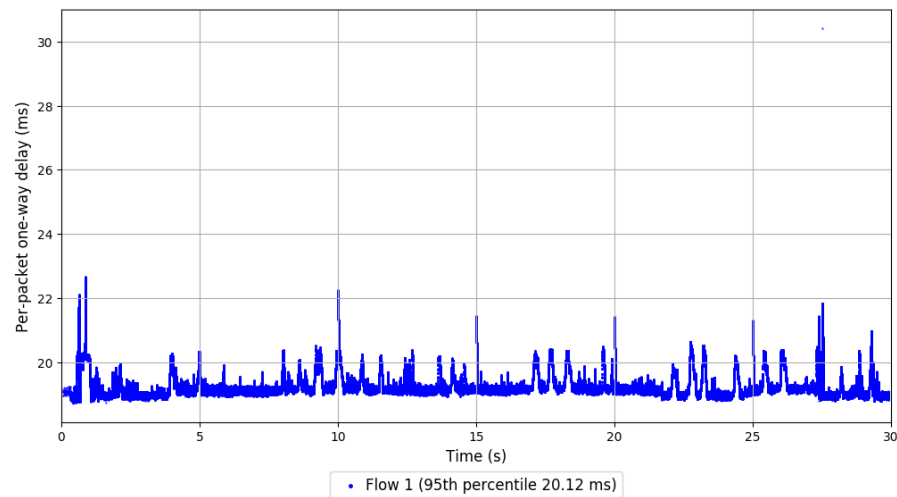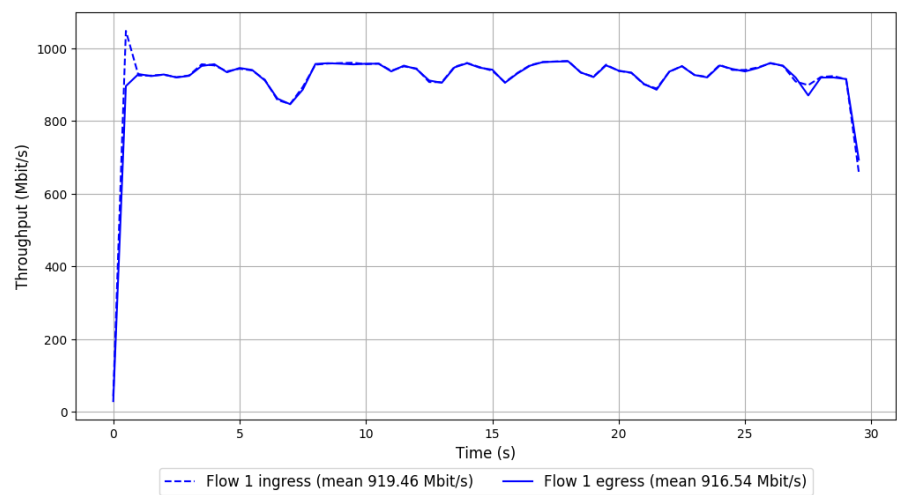Flow 1 (95th percentile 20.45 ms)

```
Run 5: Statistics of PCC

Start at: 2017-10-10 22:23:07
End at: 2017-10-10 22:23:37
Local clock offset: -0.29 ms
Remote clock offset: -0.212 ms


# Below is generated by plot.py at 2017-10-11 01:56:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 916.54 Mbit/s
95th percentile per-packet one-way delay: 20.119 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 916.54 Mbit/s
95th percentile per-packet one-way delay: 20.119 ms
Loss rate: 0.32%
```

Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 919.46 Mbit/s)   Flow 1 egress (mean 916.54 Mbit/s)

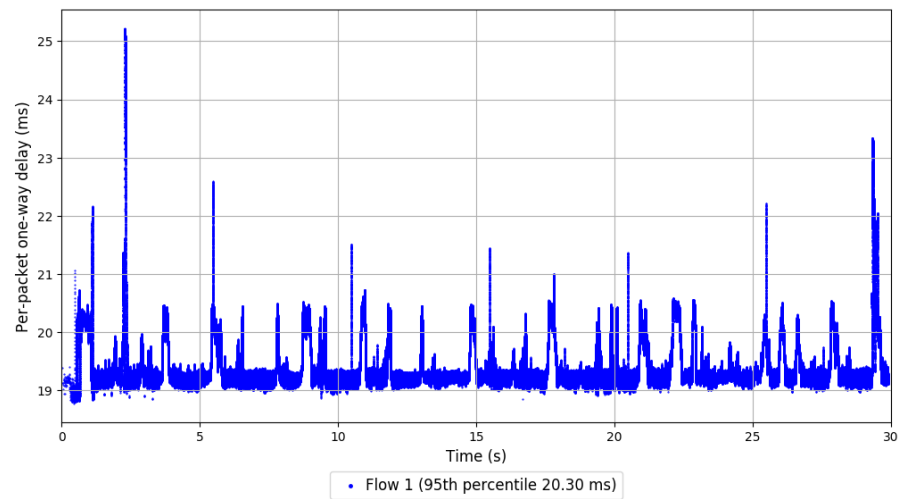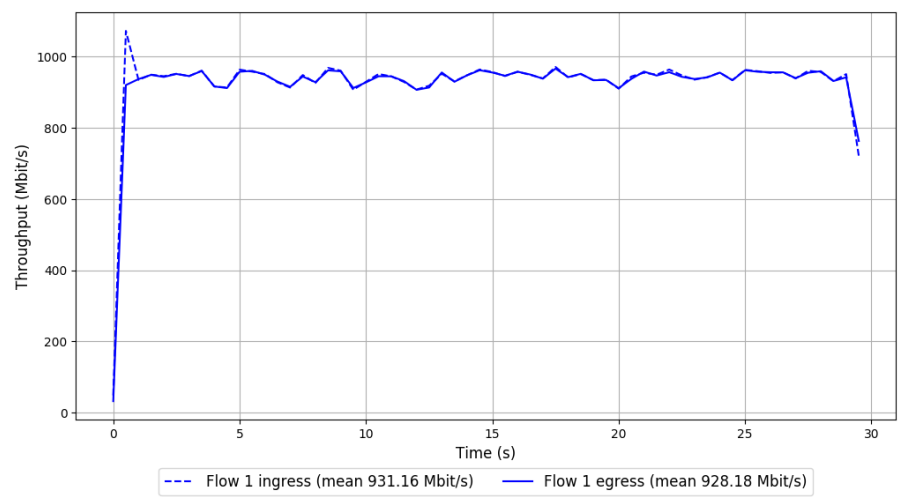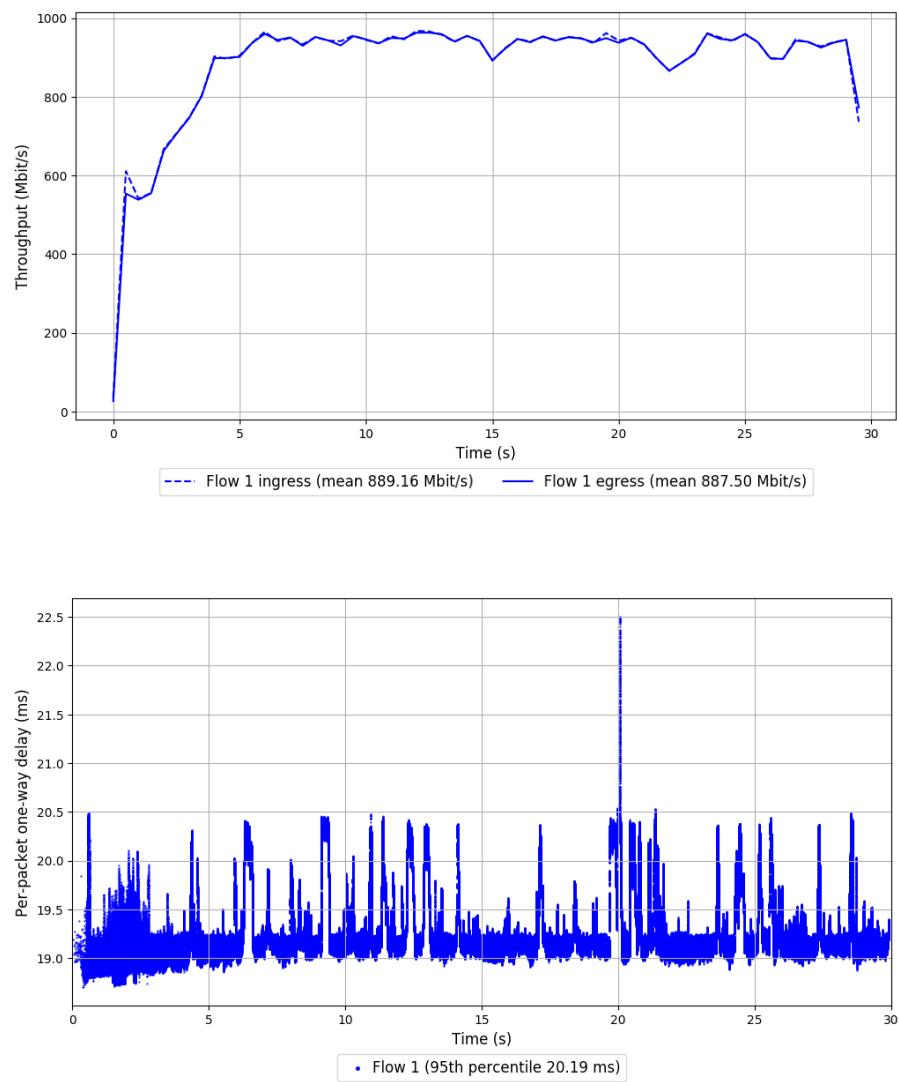• Flow 1 (95th percentile 20.12 ms)

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```
Run 6: Statistics of PCC

Start at: 2017-10-10 22:41:42
End at: 2017-10-10 22:42:12
Local clock offset: 0.302 ms
Remote clock offset: -0.158 ms


# Below is generated by plot.py at 2017-10-11 01:57:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 928.18 Mbit/s
95th percentile per-packet one-way delay: 20.299 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 928.18 Mbit/s
95th percentile per-packet one-way delay: 20.299 ms
Loss rate: 0.32%
```

Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 931.16 Mbit/s)   Flow 1 egress (mean 928.18 Mbit/s)

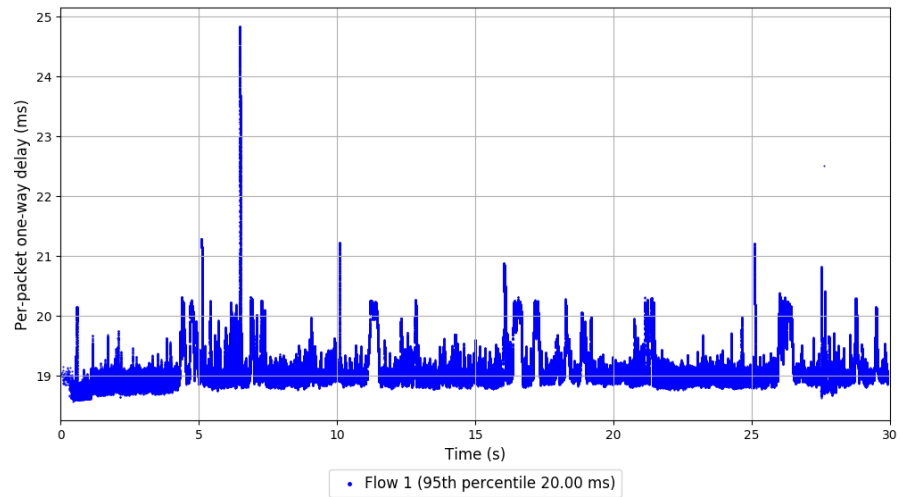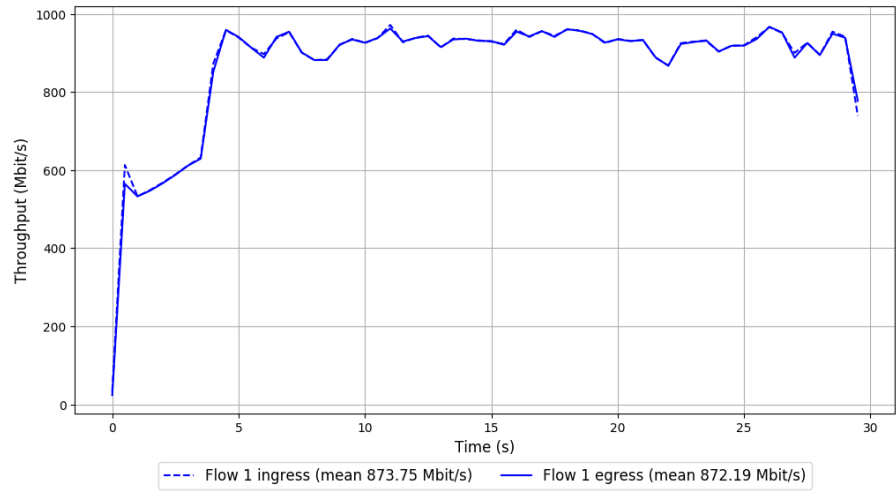Flow 1 (95th percentile 20.30 ms)

```
Run 7: Statistics of PCC

Start at: 2017-10-10 23:00:39
End at: 2017-10-10 23:01:09
Local clock offset: 0.573 ms
Remote clock offset: -0.027 ms


# Below is generated by plot.py at 2017-10-11 01:57:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 887.50 Mbit/s
95th percentile per-packet one-way delay: 20.192 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 887.50 Mbit/s
95th percentile per-packet one-way delay: 20.192 ms
Loss rate: 0.19%
```

Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 889.16 Mbit/s) ---- Flow 1 egress (mean 887.50 Mbit/s) ——

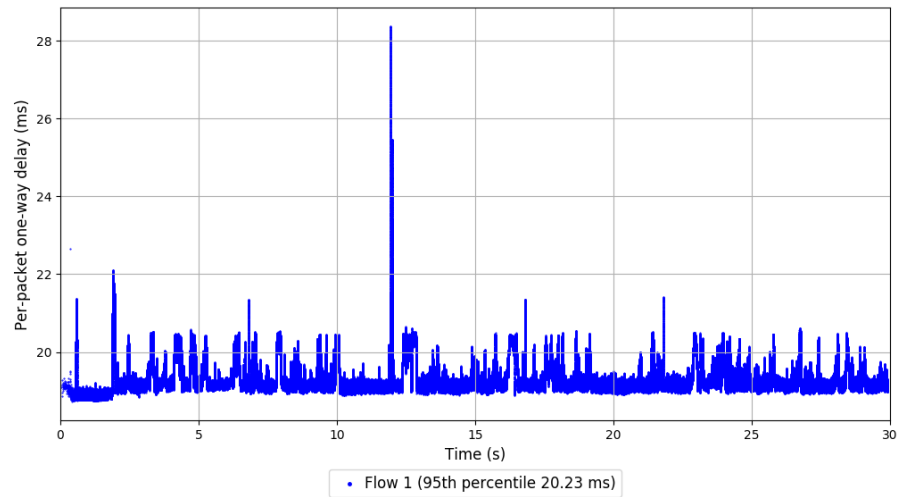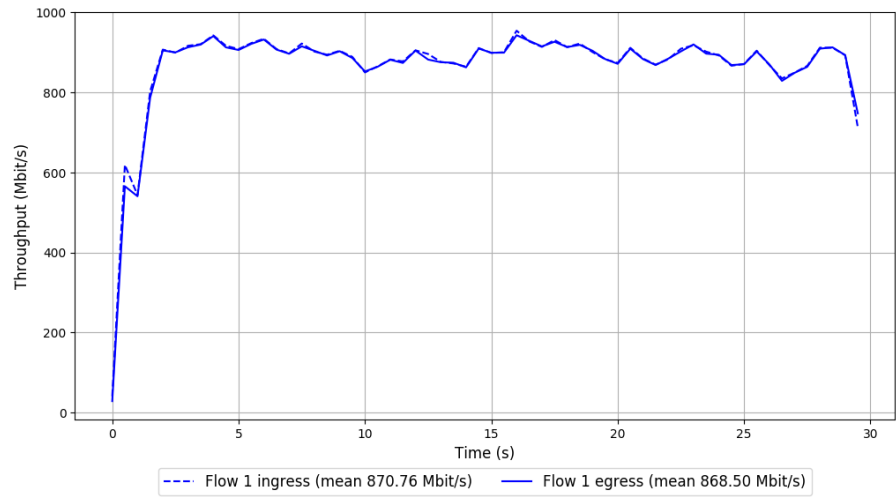Flow 1 (95th percentile 20.19 ms)

```
Run 8: Statistics of PCC

Start at: 2017-10-10 23:19:31
End at: 2017-10-10 23:20:01
Local clock offset: 0.859 ms
Remote clock offset: -0.189 ms


# Below is generated by plot.py at 2017-10-11 01:59:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 872.19 Mbit/s
95th percentile per-packet one-way delay: 19.995 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 872.19 Mbit/s
95th percentile per-packet one-way delay: 19.995 ms
Loss rate: 0.18%
```
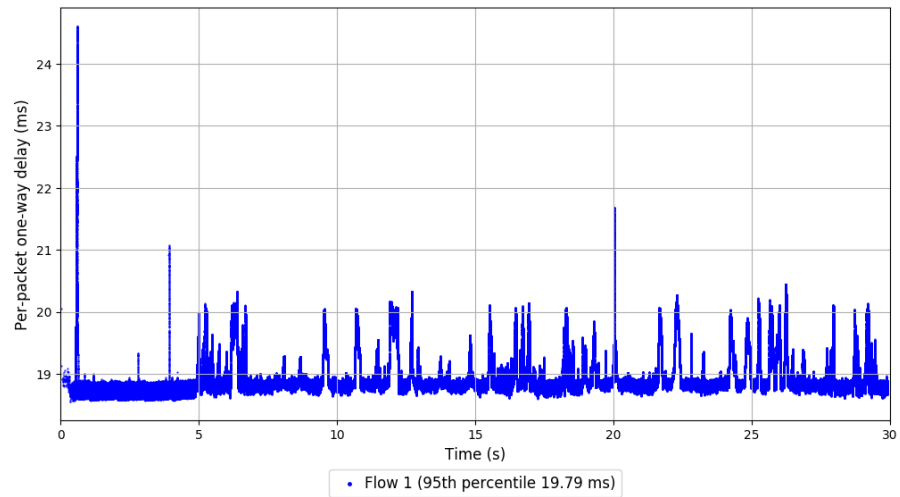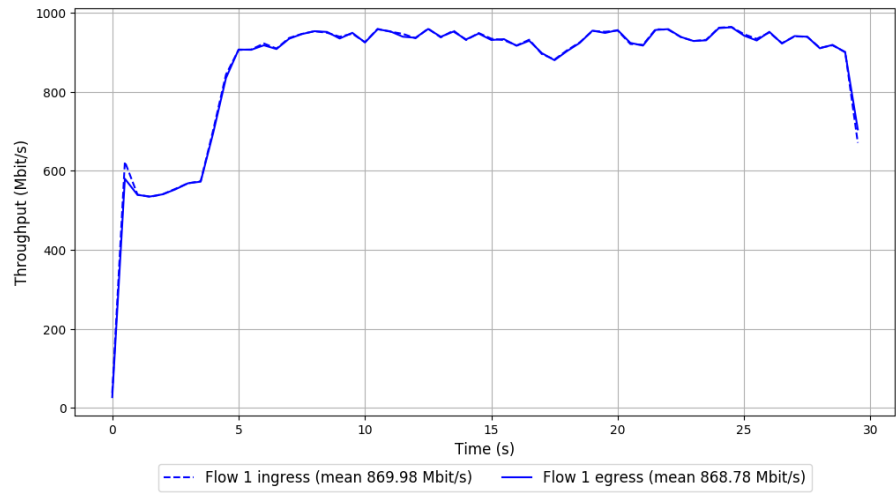
Run 8: Report of PCC — Data Link
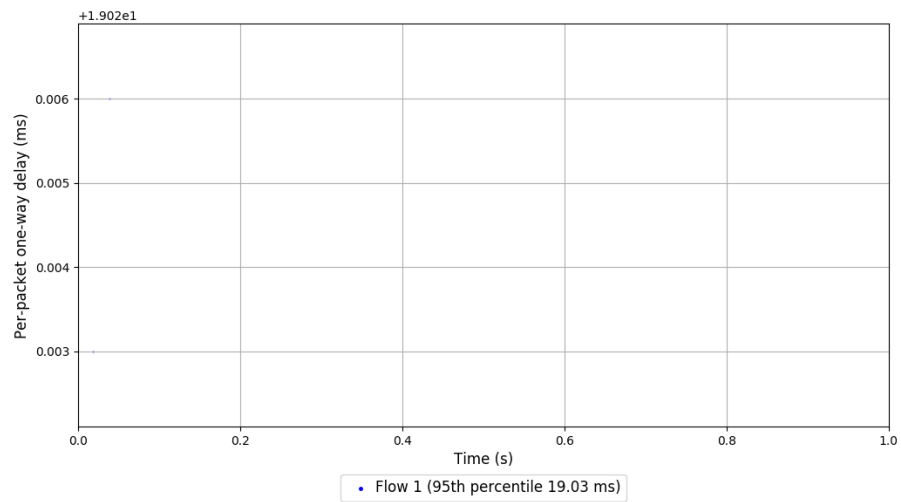
```
Run 9: Statistics of PCC

Start at: 2017-10-10 23:38:35
End at: 2017-10-10 23:39:05
Local clock offset: 0.909 ms
Remote clock offset: -0.393 ms


# Below is generated by plot.py at 2017-10-11 02:08:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 868.50 Mbit/s
95th percentile per-packet one-way delay: 20.231 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 868.50 Mbit/s
95th percentile per-packet one-way delay: 20.231 ms
Loss rate: 0.26%
```

Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 870.76 Mbit/s)   Flow 1 egress (mean 868.50 Mbit/s)

Flow 1 (95th percentile 20.23 ms)

```
Run 10: Statistics of PCC

Start at: 2017-10-10 23:57:22
End at: 2017-10-10 23:57:52
Local clock offset: 1.293 ms
Remote clock offset: -0.526 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 868.78 Mbit/s
95th percentile per-packet one-way delay: 19.785 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 868.78 Mbit/s
95th percentile per-packet one-way delay: 19.785 ms
Loss rate: 0.14%
```
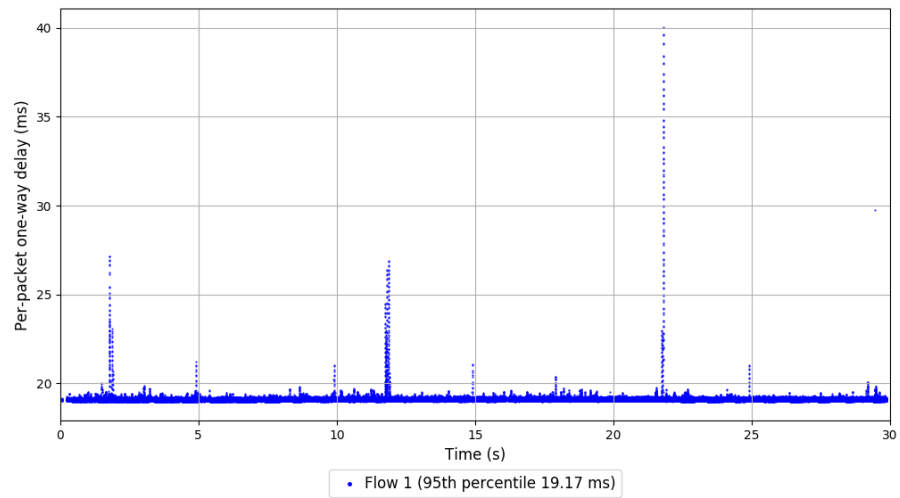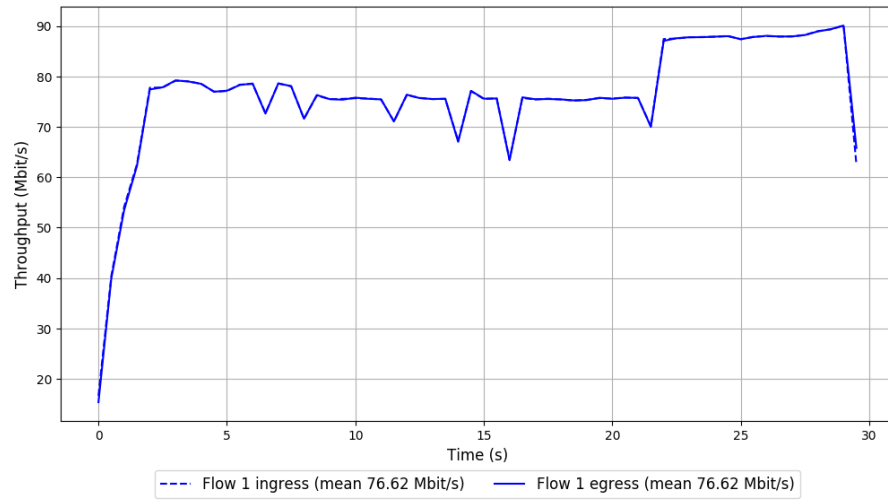
Run 10: Report of PCC — Data Link

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-10-10 21:04:52
End at: 2017-10-10 21:05:22
Local clock offset: -2.486 ms
Remote clock offset: 0.191 ms
```

Run 1: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.30 Mbit/s) — — —   Flow 1 egress (mean 0.30 Mbit/s) ——

• Flow 1 (95th percentile 19.03 ms)

```
Run 2: Statistics of QUIC Cubic

Start at: 2017-10-10 21:24:15
End at: 2017-10-10 21:24:45
Local clock offset: -2.693 ms
Remote clock offset: 0.208 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 19.173 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 19.173 ms
Loss rate: 0.00%
```
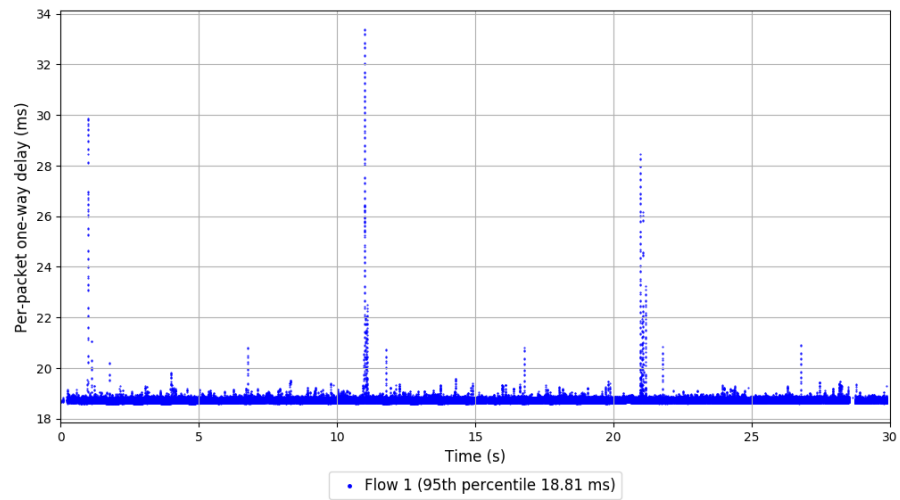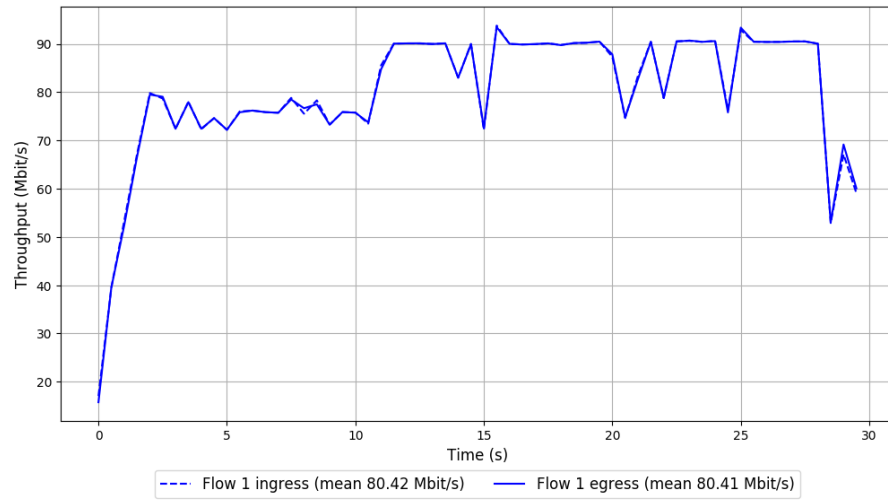
Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 76.62 Mbit/s)   Flow 1 egress (mean 76.62 Mbit/s)

• Flow 1 (95th percentile 19.17 ms)

```
Run 3: Statistics of QUIC Cubic

Start at: 2017-10-10 21:43:06
End at: 2017-10-10 21:43:36
Local clock offset: -1.616 ms
Remote clock offset: -0.065 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.41 Mbit/s
95th percentile per-packet one-way delay: 18.811 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 80.41 Mbit/s
95th percentile per-packet one-way delay: 18.811 ms
Loss rate: 0.01%
```
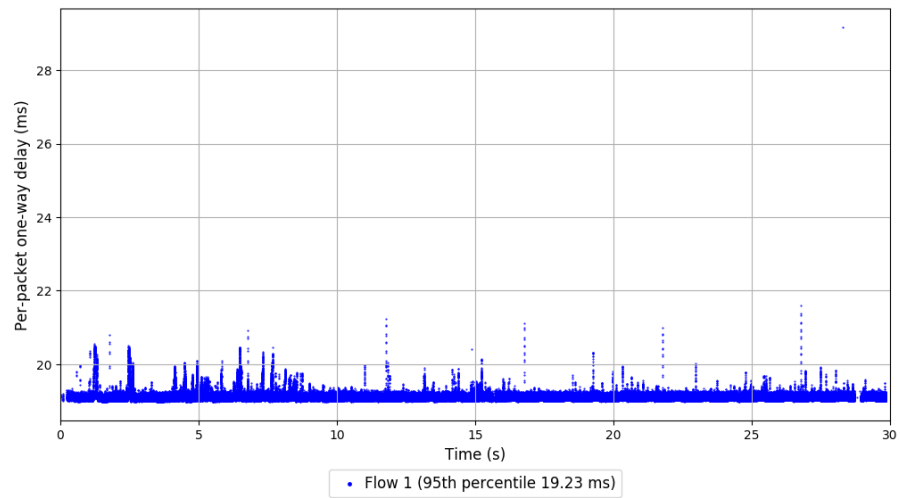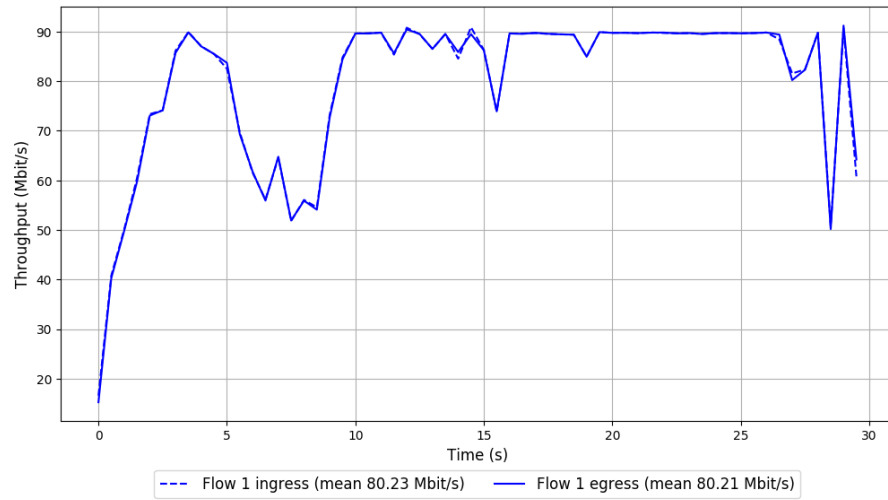
Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 80.42 Mbit/s) ----- Flow 1 egress (mean 80.41 Mbit/s) ——

Flow 1 (95th percentile 18.81 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-10-10 22:01:55
End at: 2017-10-10 22:02:25
Local clock offset: -1.046 ms
Remote clock offset: 0.006 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.21 Mbit/s
95th percentile per-packet one-way delay: 19.233 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 80.21 Mbit/s
95th percentile per-packet one-way delay: 19.233 ms
Loss rate: 0.02%
```
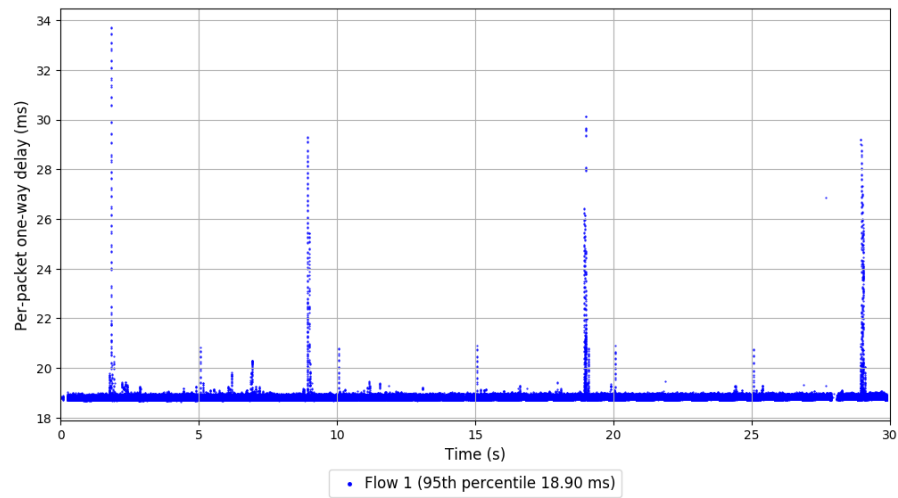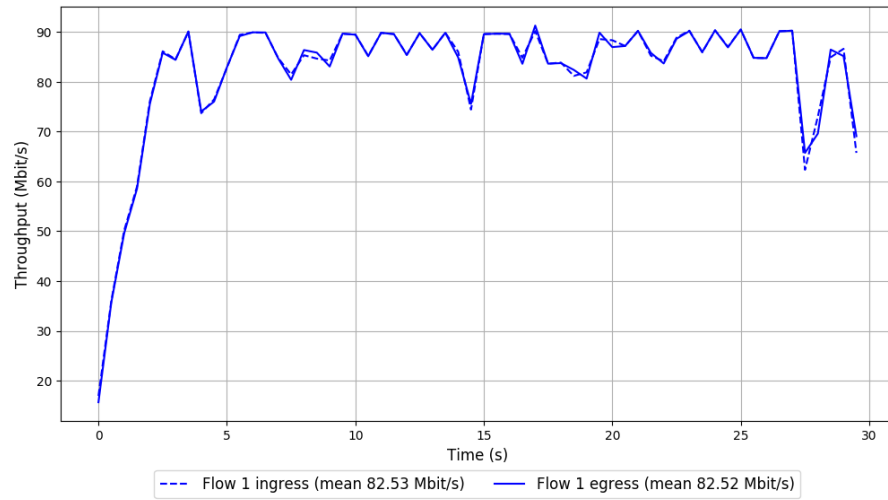
Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 80.23 Mbit/s)   Flow 1 egress (mean 80.21 Mbit/s)

Flow 1 (95th percentile 19.23 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2017-10-10 22:20:43
End at: 2017-10-10 22:21:13
Local clock offset: -0.402 ms
Remote clock offset: -0.243 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.52 Mbit/s
95th percentile per-packet one-way delay: 18.900 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.52 Mbit/s
95th percentile per-packet one-way delay: 18.900 ms
Loss rate: 0.02%
```
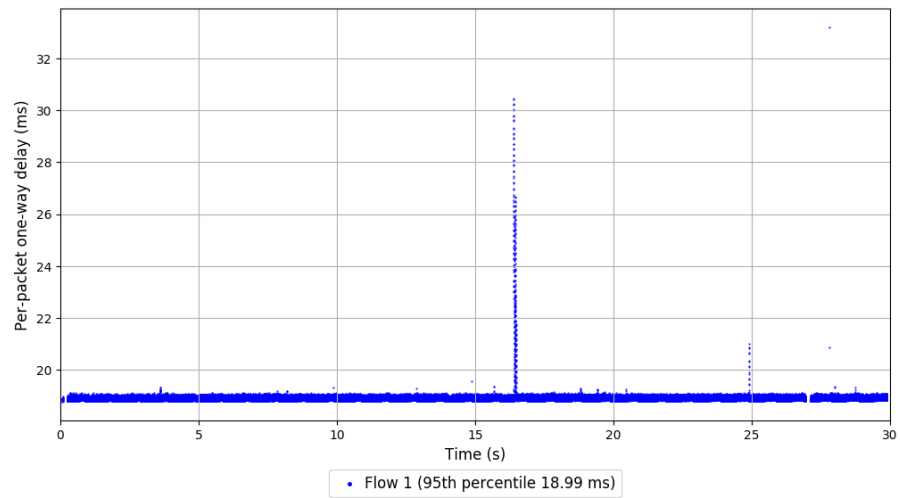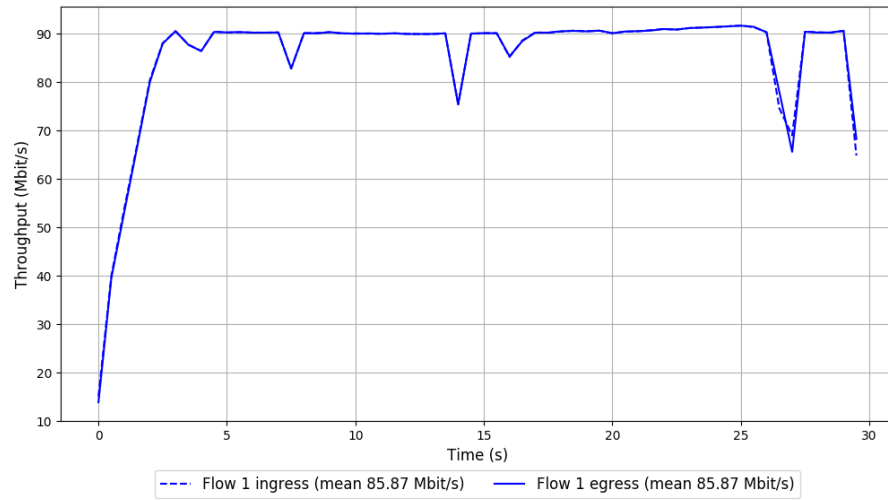
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 82.53 Mbit/s)   Flow 1 egress (mean 82.52 Mbit/s)

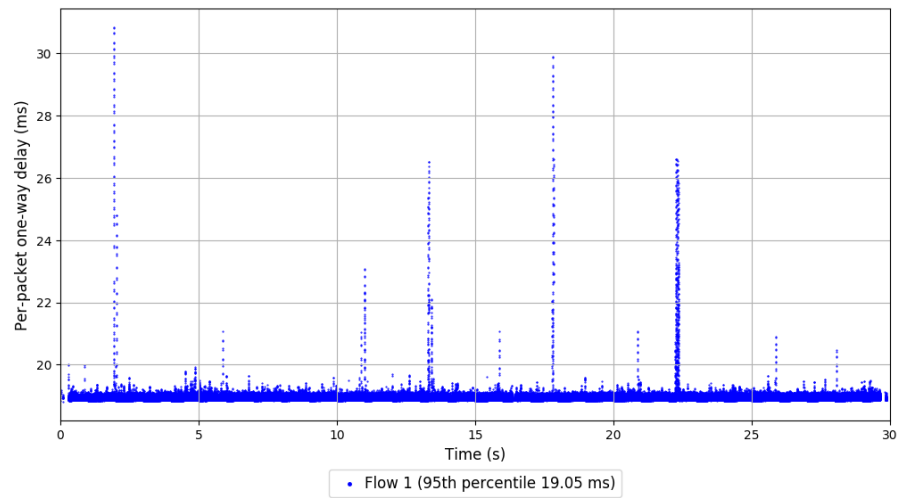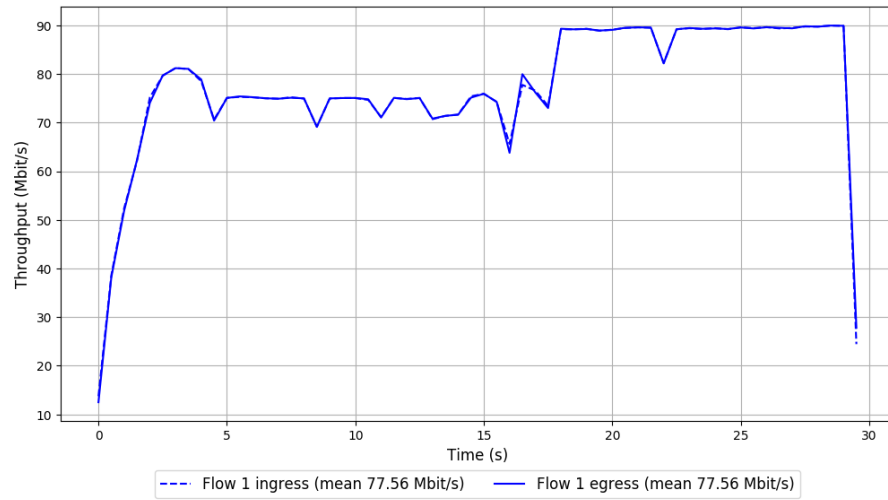

• Flow 1 (95th percentile 18.90 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2017-10-10 22:39:18
End at: 2017-10-10 22:39:48
Local clock offset: 0.259 ms
Remote clock offset: -0.136 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 18.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.87 Mbit/s
95th percentile per-packet one-way delay: 18.991 ms
Loss rate: 0.00%
```

Run 6: Report of QUIC Cubic — Data Link

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-10-10 22:58:15
End at: 2017-10-10 22:58:45
Local clock offset: 0.596 ms
Remote clock offset: -0.082 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.56 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.56 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.00%
```
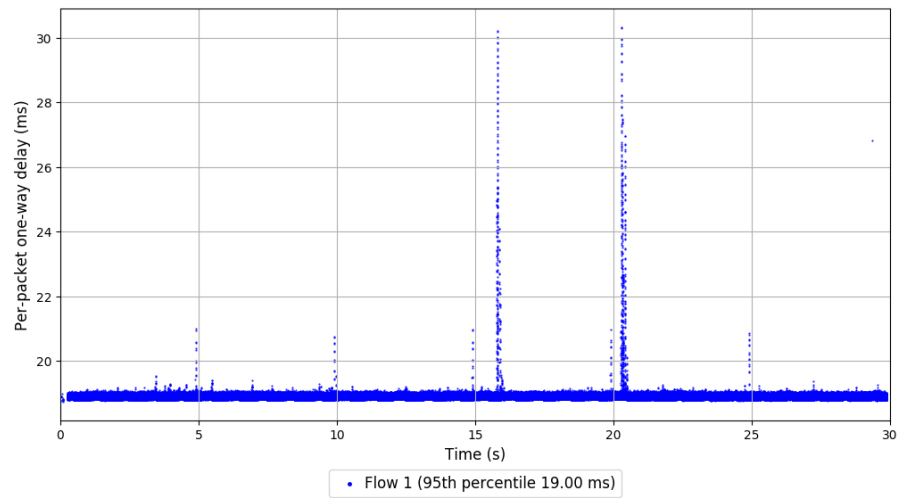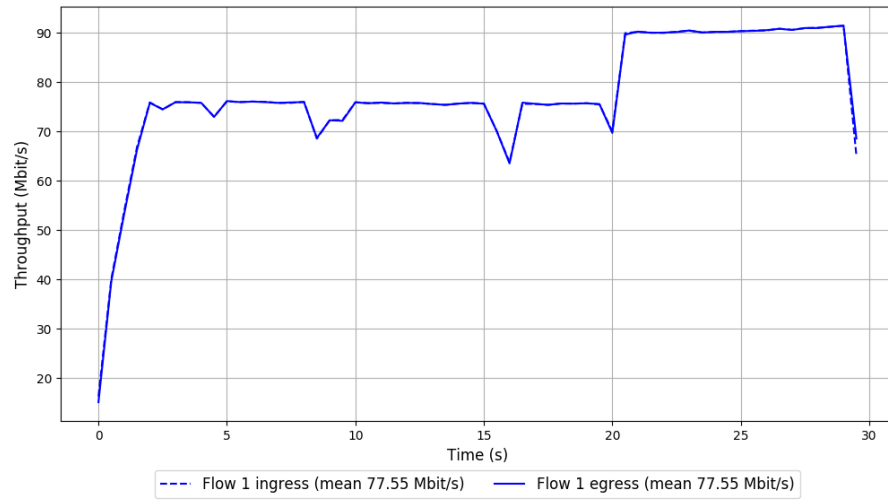
Run 7: Report of QUIC Cubic — Data Link

```
Run 8: Statistics of QUIC Cubic

Start at: 2017-10-10 23:17:06
End at: 2017-10-10 23:17:36
Local clock offset: 0.837 ms
Remote clock offset: -0.193 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 18.995 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.55 Mbit/s
95th percentile per-packet one-way delay: 18.995 ms
Loss rate: 0.00%
```
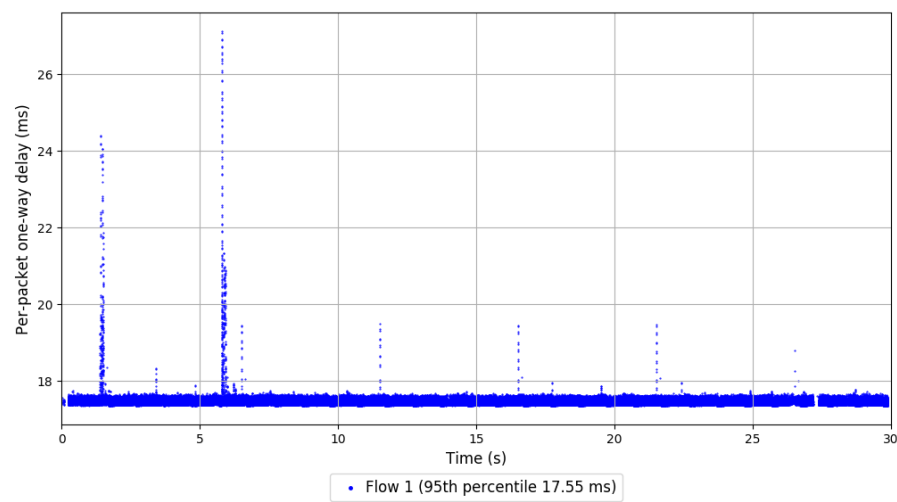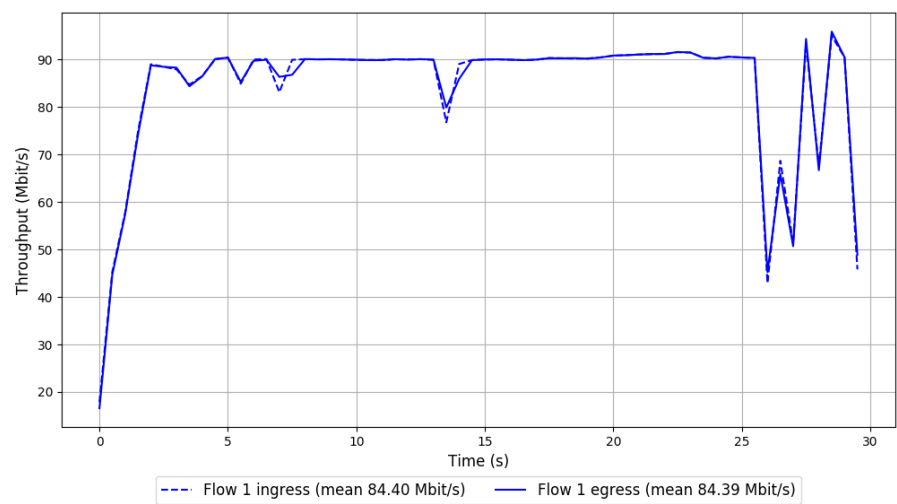
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 77.55 Mbit/s)   Flow 1 egress (mean 77.55 Mbit/s)

Flow 1 (95th percentile 19.00 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-10-10 23:36:10
End at: 2017-10-10 23:36:40
Local clock offset: 0.787 ms
Remote clock offset: -0.28 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.39 Mbit/s
95th percentile per-packet one-way delay: 17.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.39 Mbit/s
95th percentile per-packet one-way delay: 17.555 ms
Loss rate: 0.00%
```
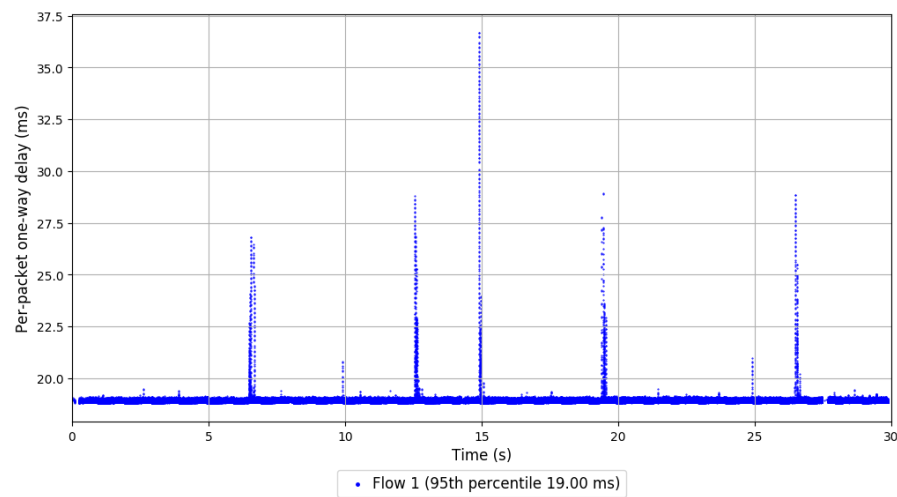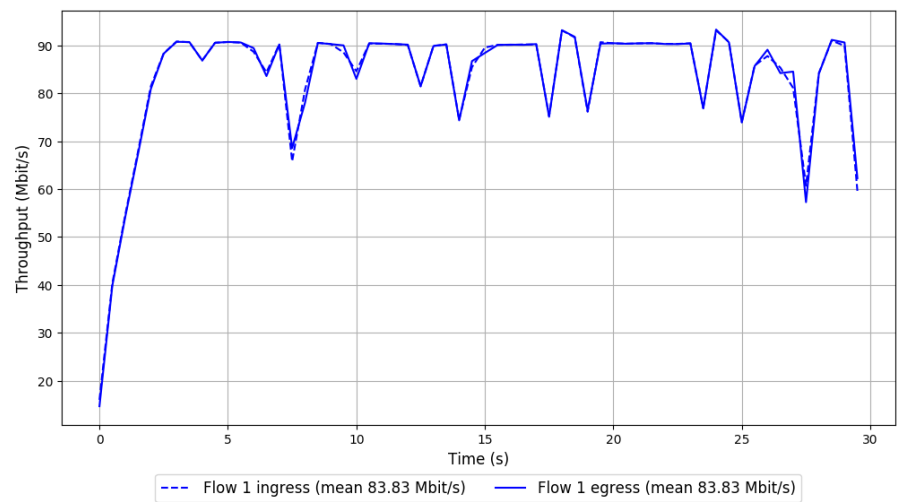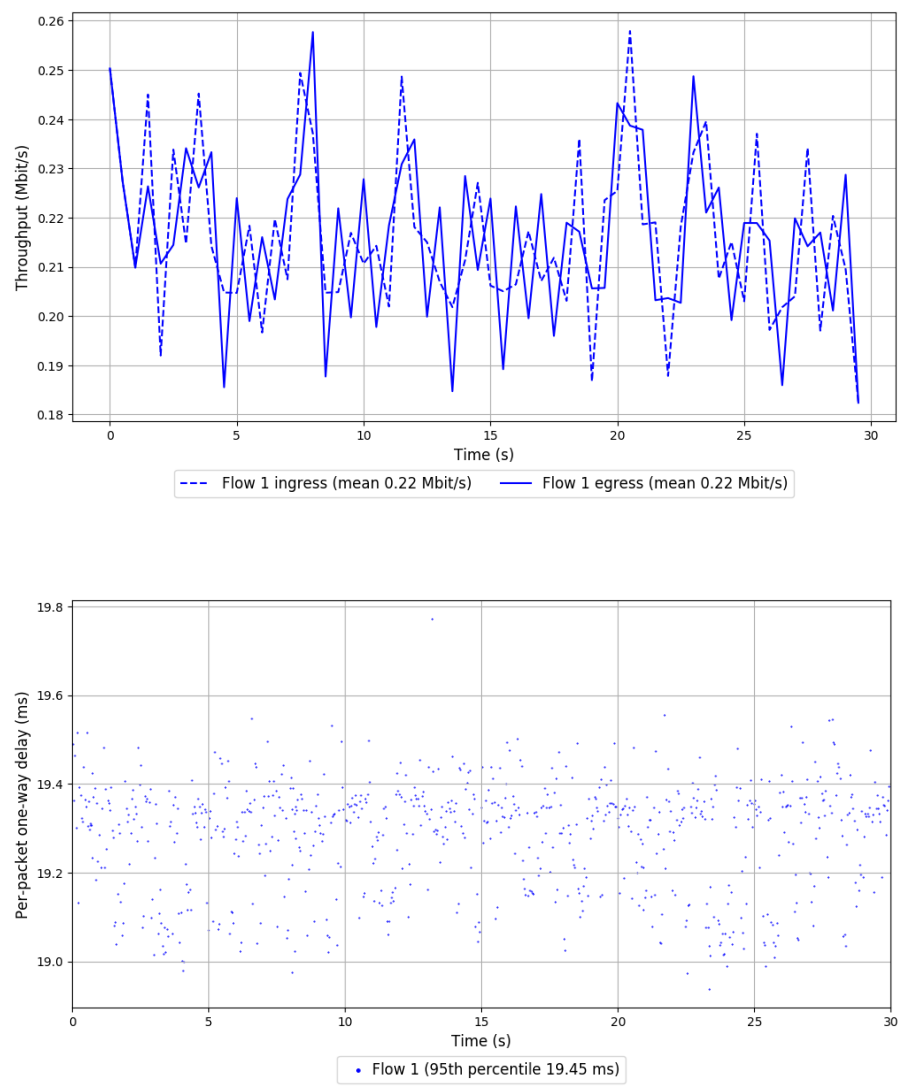
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 84.40 Mbit/s) ----- Flow 1 egress (mean 84.39 Mbit/s)

• Flow 1 (95th percentile 17.55 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-10-10 23:54:58
End at: 2017-10-10 23:55:28
Local clock offset: 1.26 ms
Remote clock offset: -0.498 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 19.002 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.83 Mbit/s
95th percentile per-packet one-way delay: 19.002 ms
Loss rate: 0.00%
```
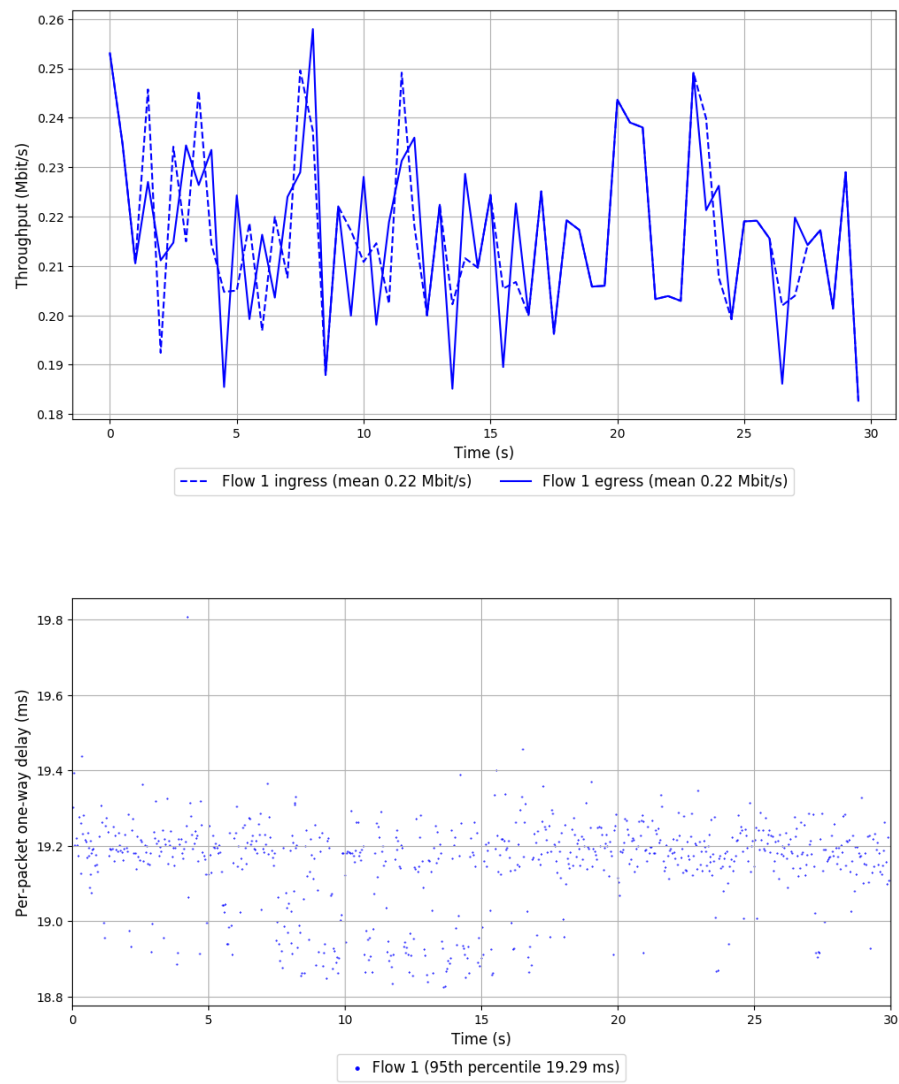
Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 83.83 Mbit/s)   Flow 1 egress (mean 83.83 Mbit/s)

Flow 1 (95th percentile 19.00 ms)

```
Run 1: Statistics of SCReAM

Start at: 2017-10-10 21:01:05
End at: 2017-10-10 21:01:35
Local clock offset: -2.416 ms
Remote clock offset: 0.292 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.448 ms
Loss rate: 0.00%
```
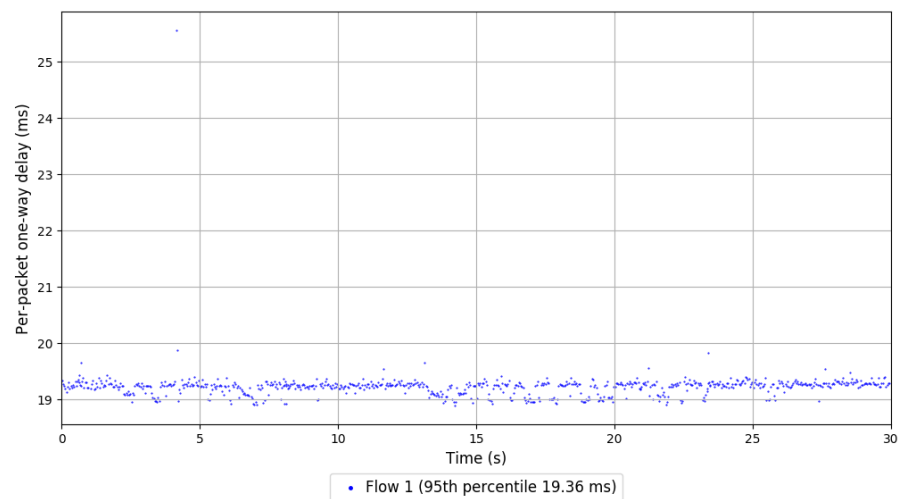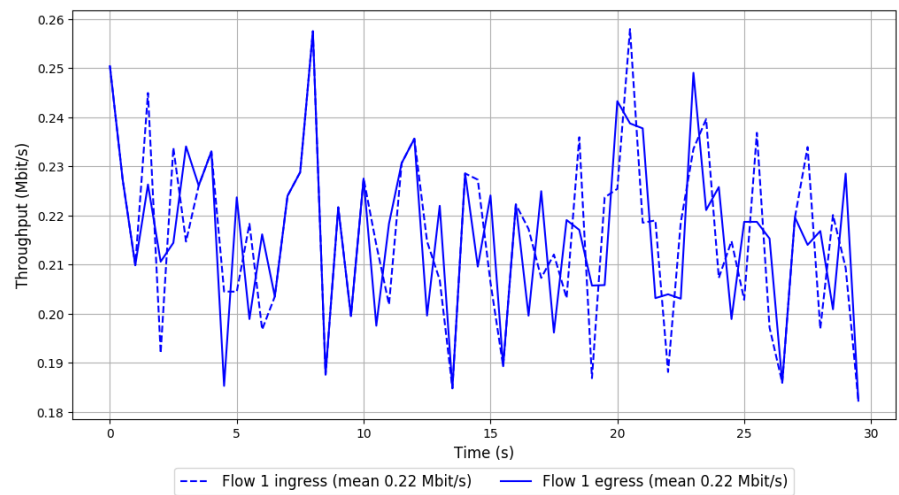
Run 1: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 19.45 ms)

```
Run 2: Statistics of SCReAM

Start at: 2017-10-10 21:20:26
End at: 2017-10-10 21:20:56
Local clock offset: -2.745 ms
Remote clock offset: 0.225 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.286 ms
Loss rate: 0.00%
```

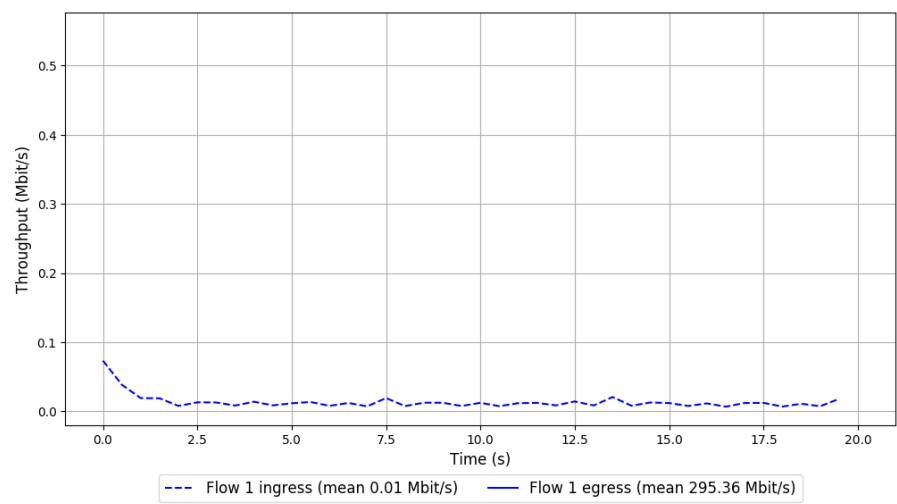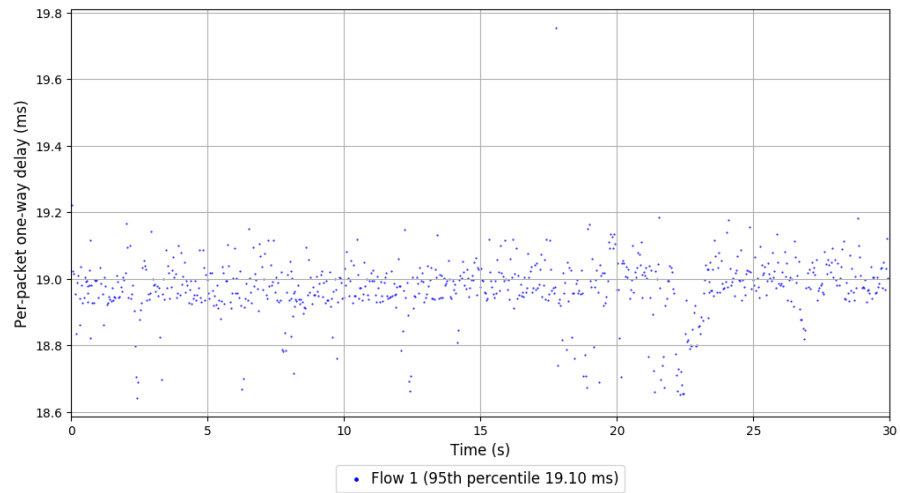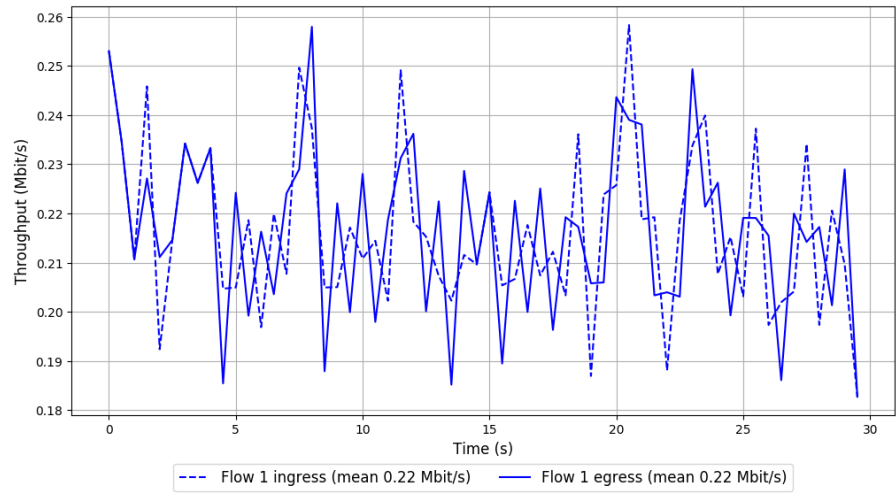Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2017-10-10 21:39:18
End at: 2017-10-10 21:39:48
Local clock offset: -1.801 ms
Remote clock offset: 0.003 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.357 ms
Loss rate: 0.00%
```
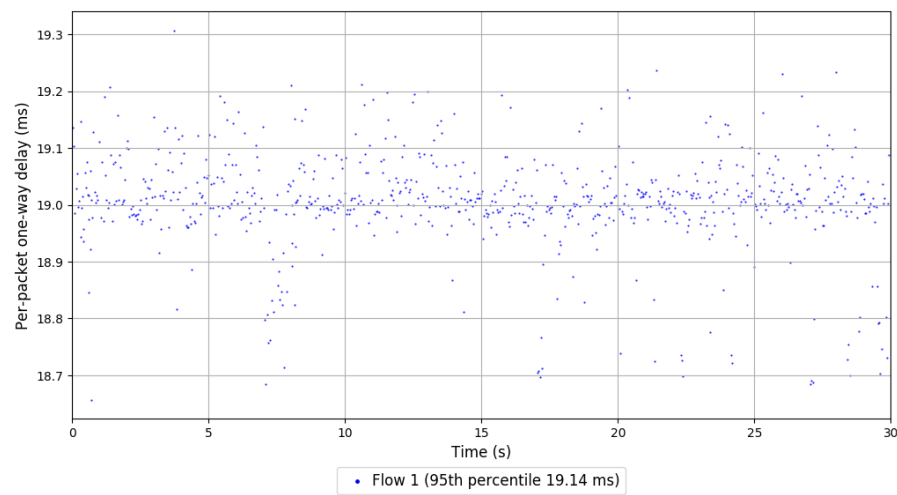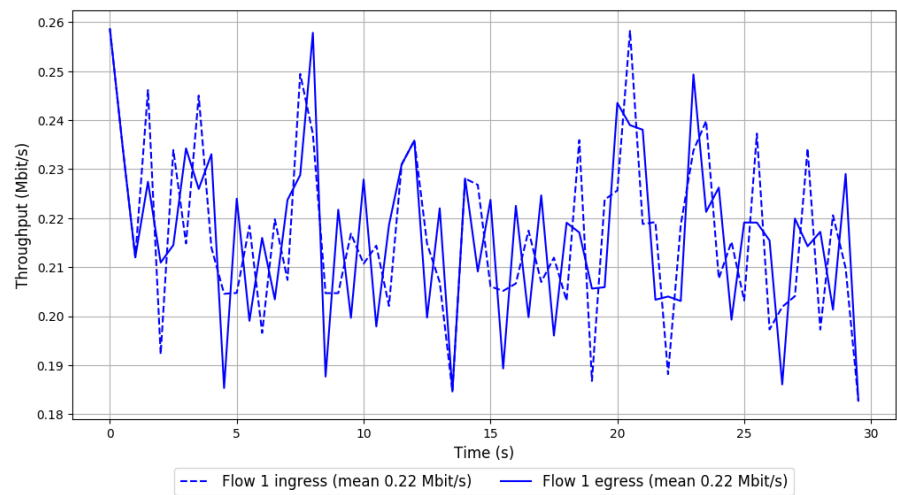
Run 3: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 19.36 ms)

```
Run 4: Statistics of SCReAM

Start at: 2017-10-10 21:58:07
End at: 2017-10-10 21:58:37
Local clock offset: -1.156 ms
Remote clock offset: 0.024 ms
```

Run 4: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.01 Mbit/s)   Flow 1 egress (mean 295.36 Mbit/s)

Flow 1 (95th percentile 19549.16 ms)

```
Run 5: Statistics of SCReAM

Start at: 2017-10-10 22:16:54
End at: 2017-10-10 22:17:25
Local clock offset: -0.48 ms
Remote clock offset: -0.128 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.00%
```
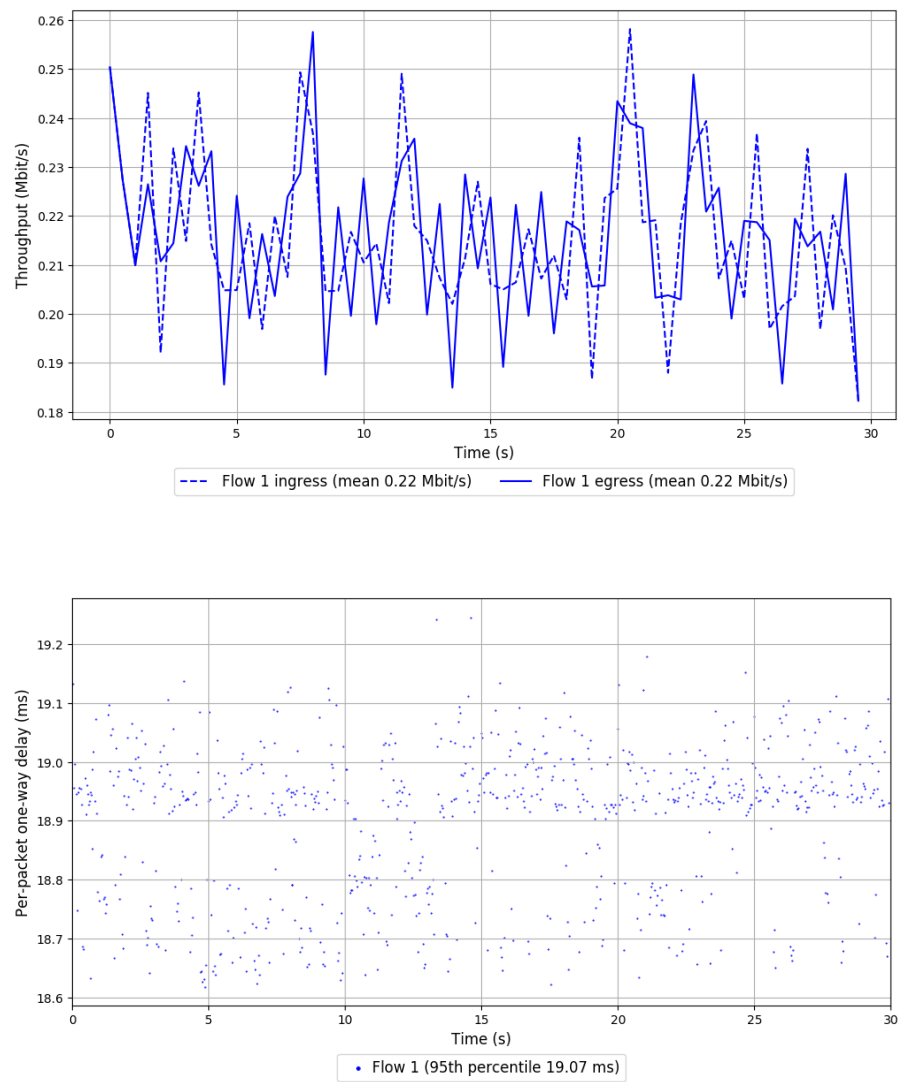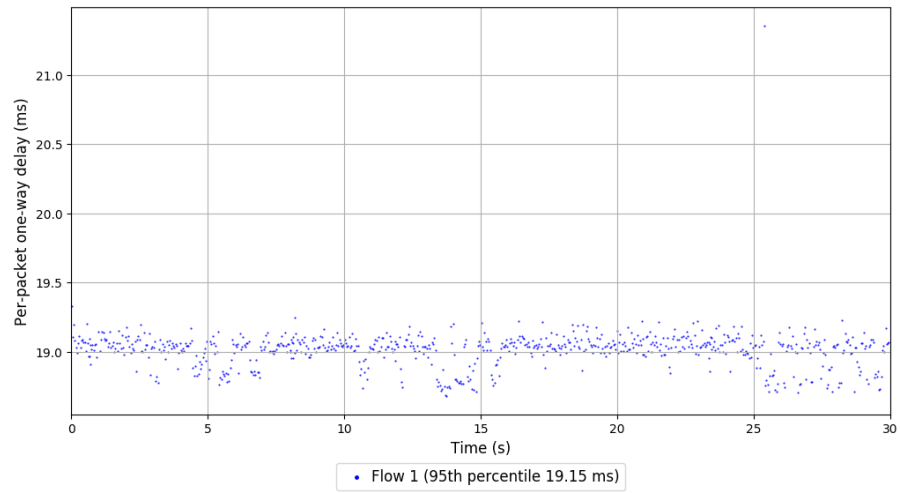
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2017-10-10 22:35:30
End at: 2017-10-10 22:36:00
Local clock offset: 0.151 ms
Remote clock offset: -0.1 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.00%
```
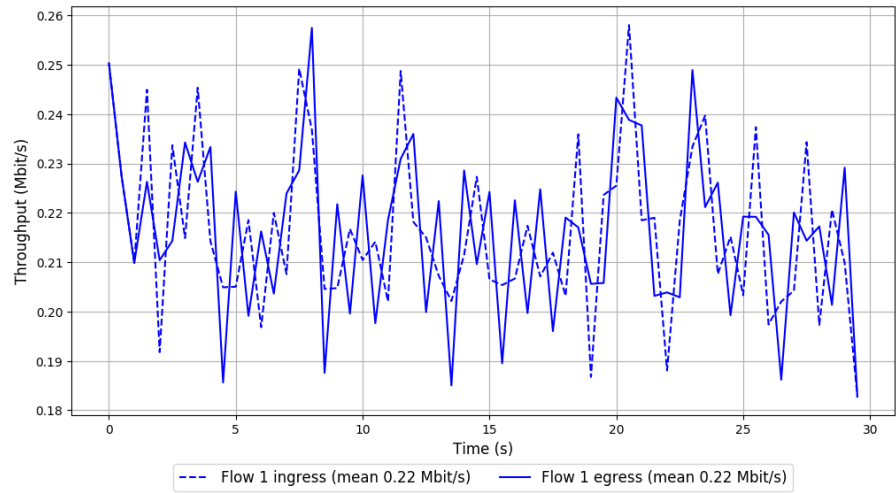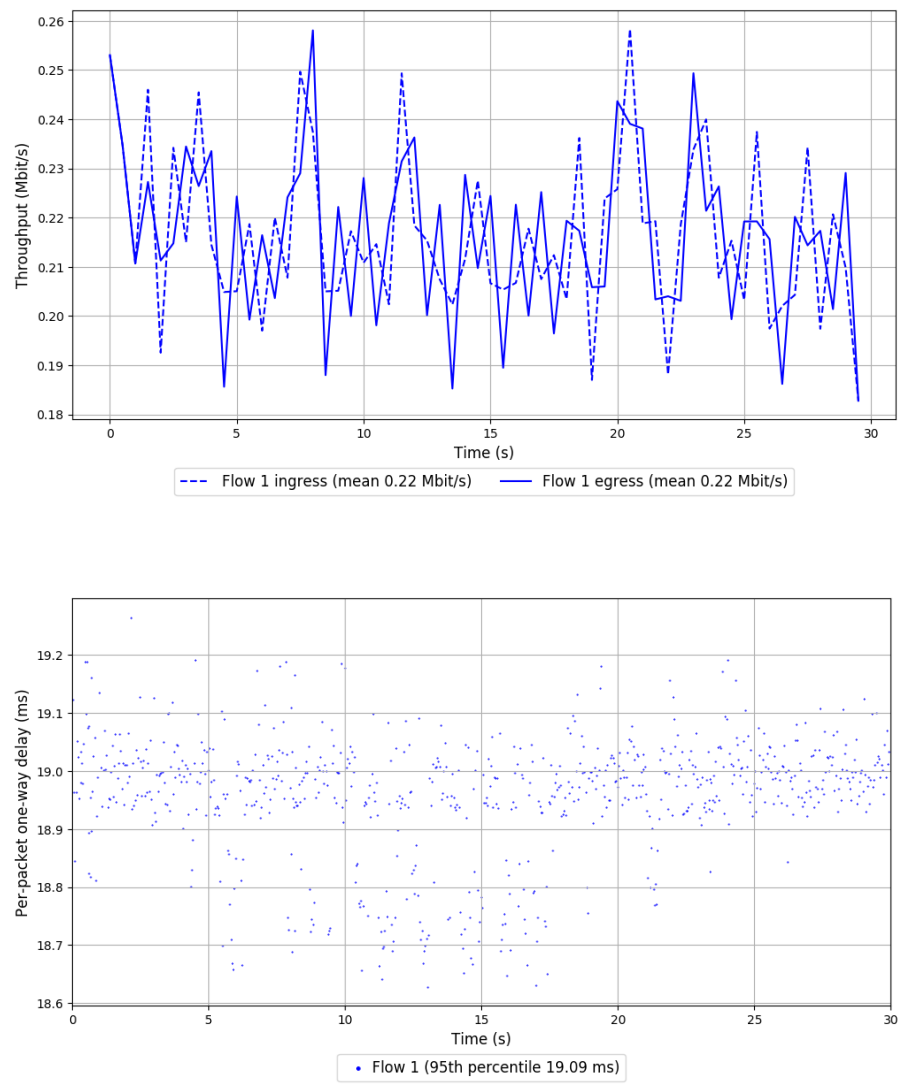
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 19.14 ms)

```
Run 7: Statistics of SCReAM

Start at: 2017-10-10 22:54:24
End at: 2017-10-10 22:54:54
Local clock offset: 0.507 ms
Remote clock offset: -0.117 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.075 ms
Loss rate: 0.00%
```
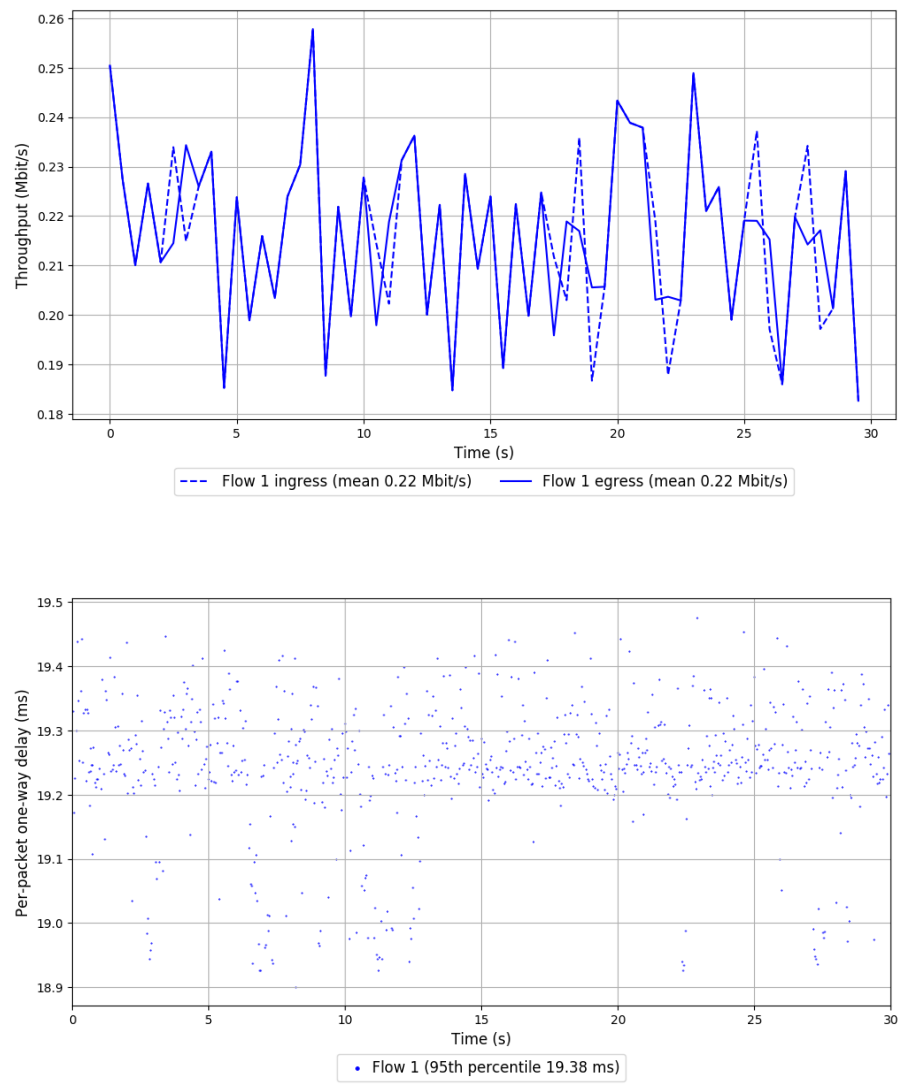
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2017-10-10 23:13:16
End at: 2017-10-10 23:13:46
Local clock offset: 0.816 ms
Remote clock offset: -0.046 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.151 ms
Loss rate: 0.00%
```
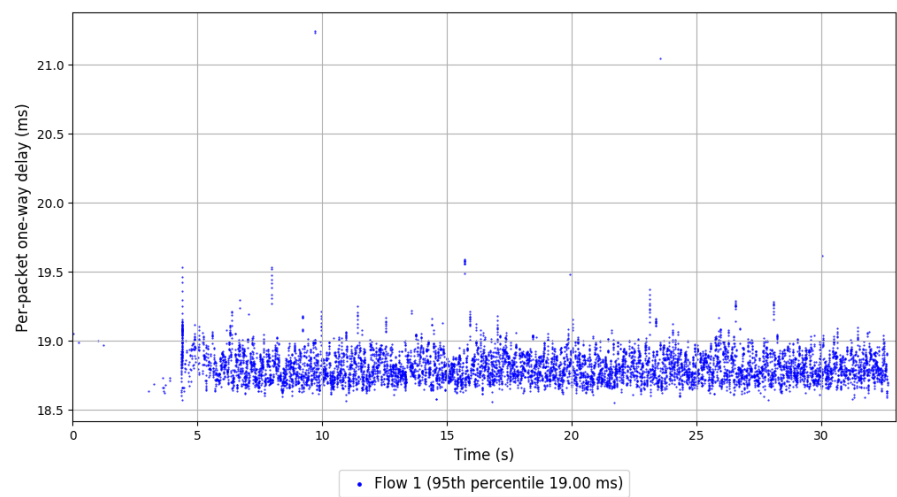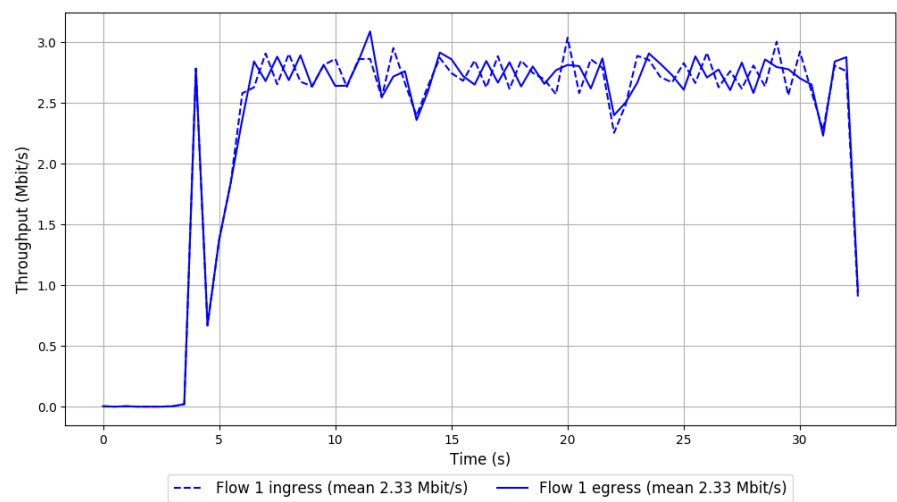
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: 2017-10-10 23:32:21
End at: 2017-10-10 23:32:51
Local clock offset: 0.874 ms
Remote clock offset: -0.401 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.095 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.095 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 19.09 ms)

```
Run 10: Statistics of SCReAM

Start at: 2017-10-10 23:51:07
End at: 2017-10-10 23:51:37
Local clock offset: 1.118 ms
Remote clock offset: -0.484 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.383 ms
Loss rate: 0.00%
```
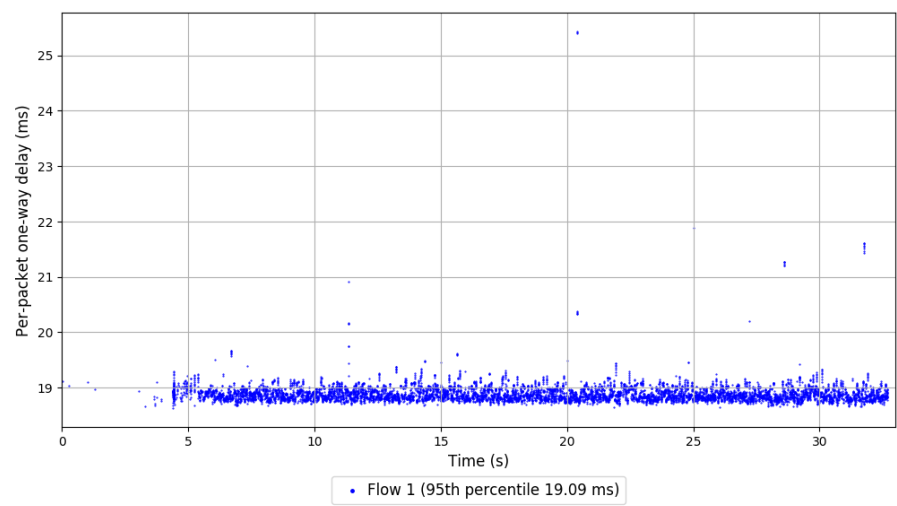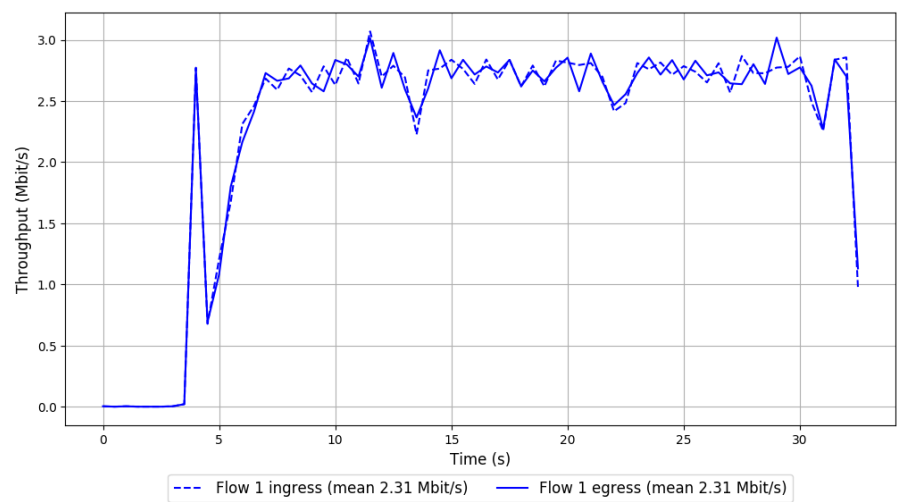
Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2017-10-10 20:53:55
End at: 2017-10-10 20:54:25
Local clock offset: -2.162 ms
Remote clock offset: 0.26 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 19.004 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 19.004 ms
Loss rate: 0.00%
```
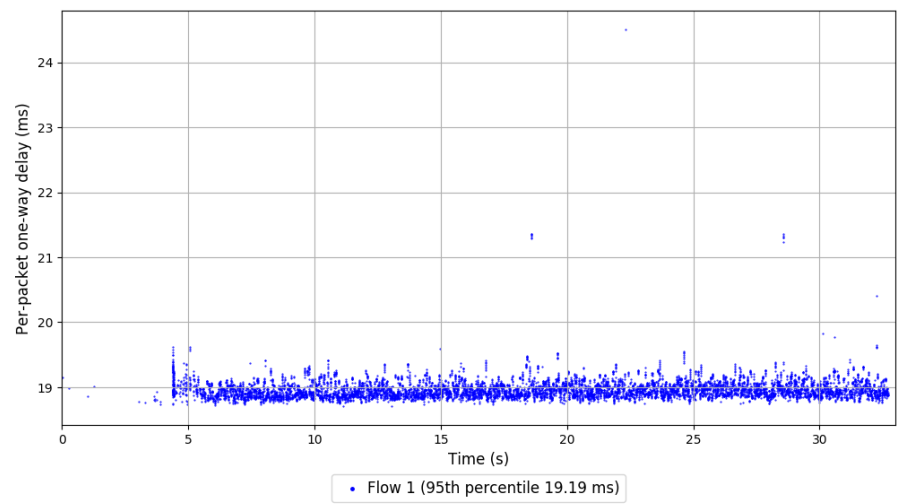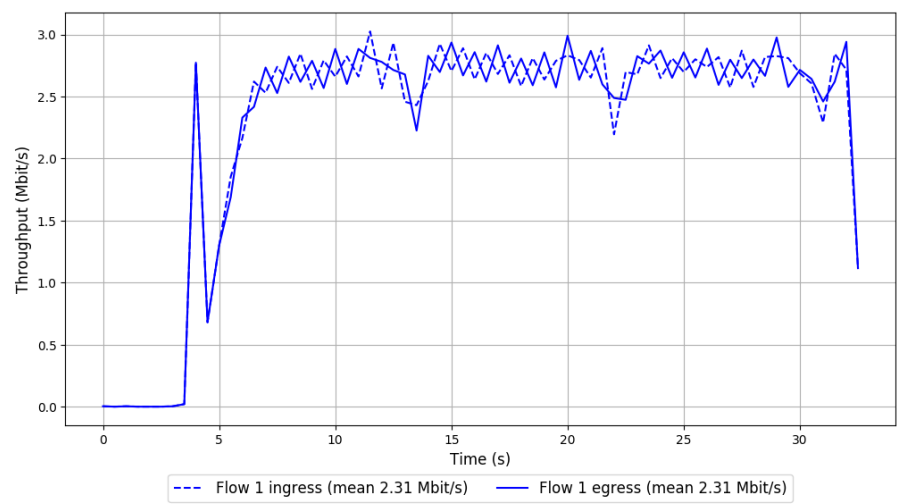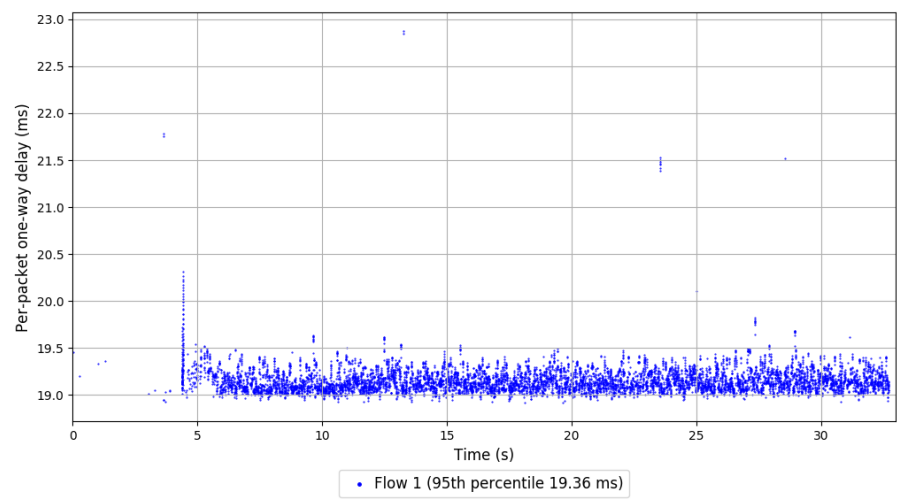
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2017-10-10 21:13:08
End at: 2017-10-10 21:13:38
Local clock offset: -2.642 ms
Remote clock offset: 0.195 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.092 ms
Loss rate: 0.00%
```
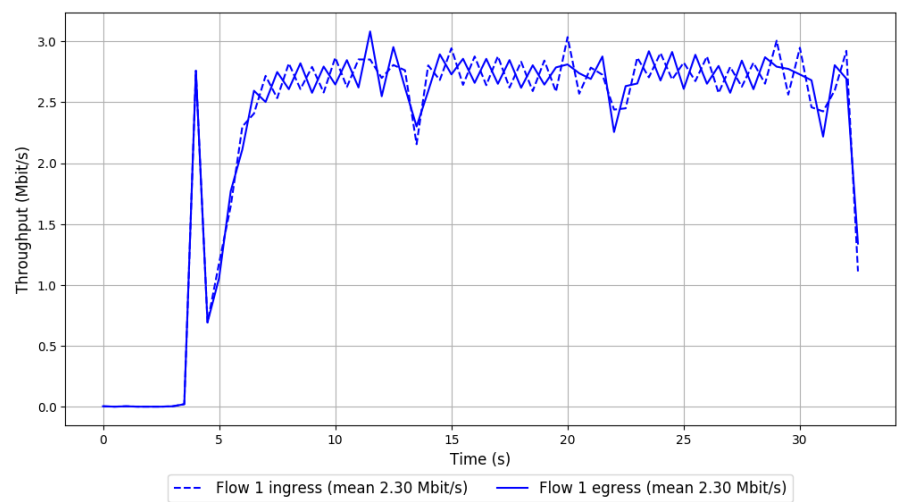
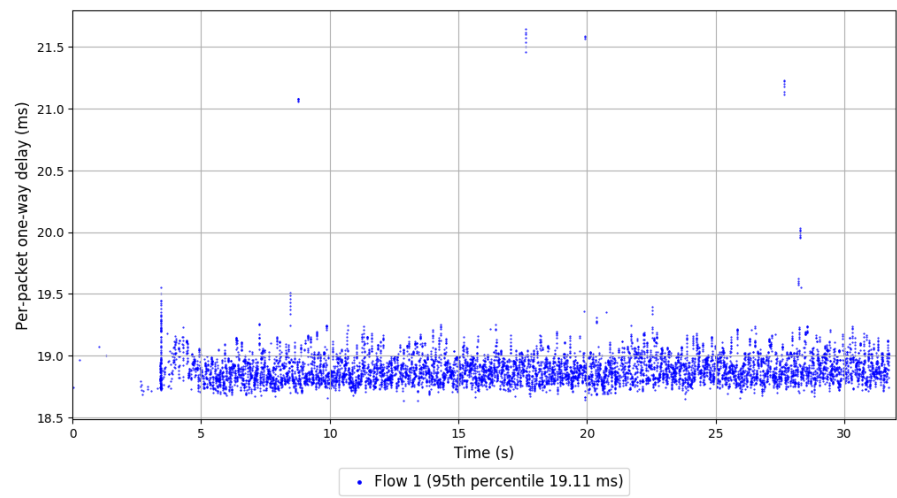Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2017-10-10 21:32:07
End at: 2017-10-10 21:32:37
Local clock offset: -2.284 ms
Remote clock offset: 0.075 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.190 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.190 ms
Loss rate: 0.00%
```
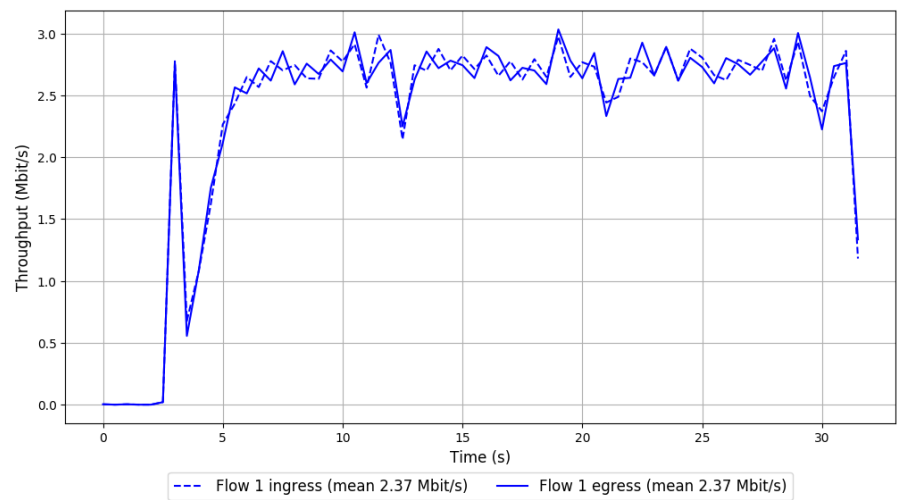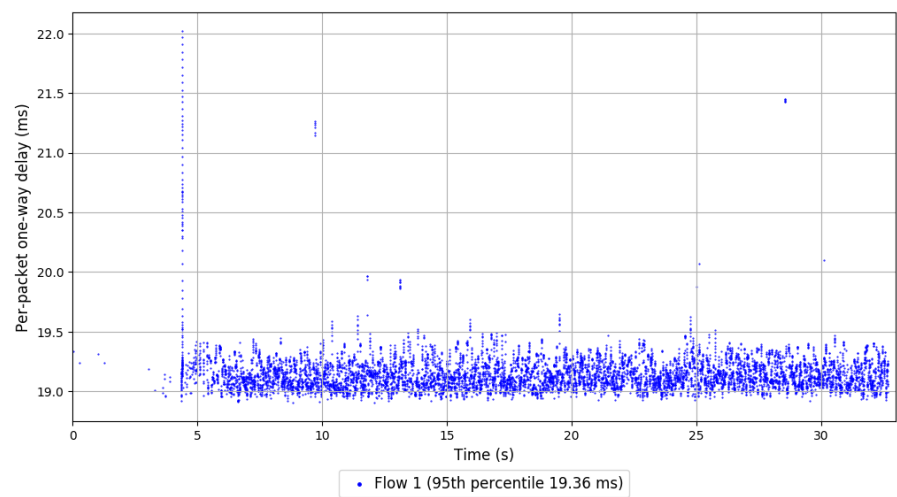
Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.31 Mbit/s)   Flow 1 egress (mean 2.31 Mbit/s)

Flow 1 (95th percentile 19.19 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2017-10-10 21:51:06
End at: 2017-10-10 21:51:36
Local clock offset: -1.41 ms
Remote clock offset: -0.072 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.359 ms
Loss rate: 0.00%
```
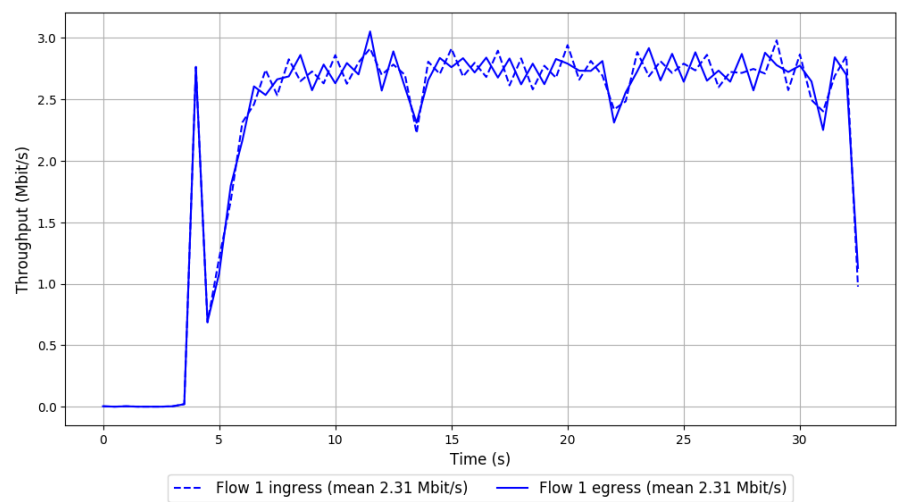
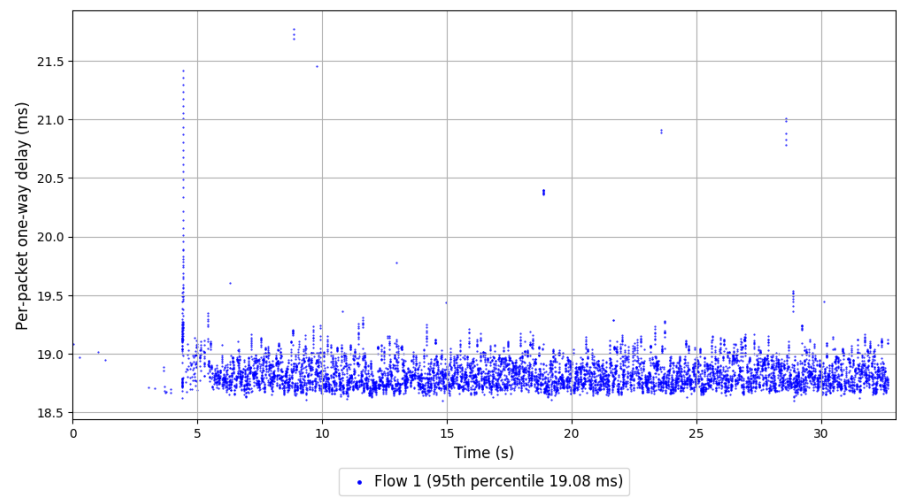## Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2017-10-10 22:09:44
End at: 2017-10-10 22:10:14
Local clock offset: -0.876 ms
Remote clock offset: -0.147 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 19.108 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 19.108 ms
Loss rate: 0.00%
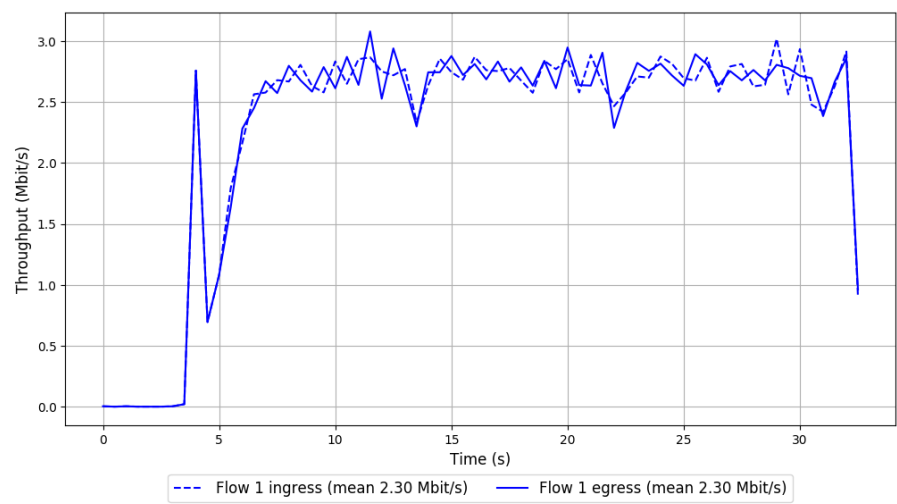```
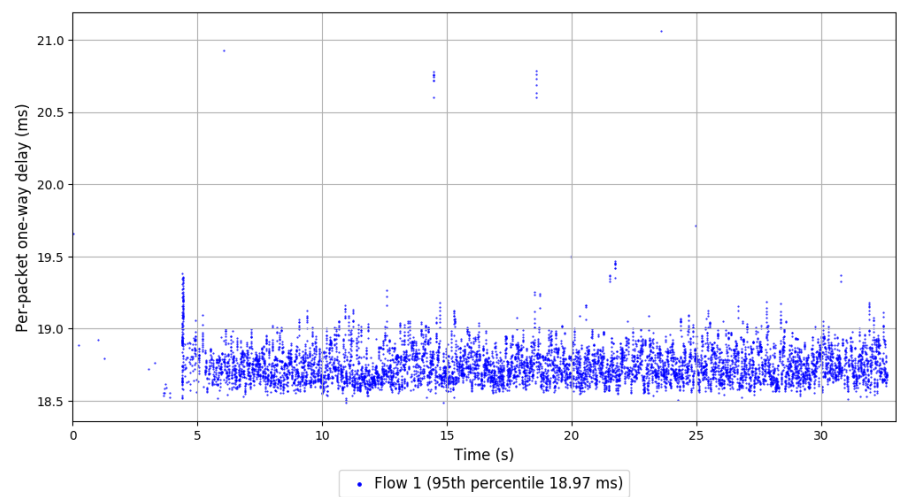
Run 5: Report of WebRTC media — Data Link



Flow 1 ingress (mean 2.37 Mbit/s) --- Flow 1 egress (mean 2.37 Mbit/s)



Flow 1 (95th percentile 19.11 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2017-10-10 22:28:32
End at: 2017-10-10 22:29:02
Local clock offset: -0.016 ms
Remote clock offset: -0.174 ms

Below is generated by plot.py at 2017-10-11 02:08:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.362 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.362 ms
Loss rate: 0.00%
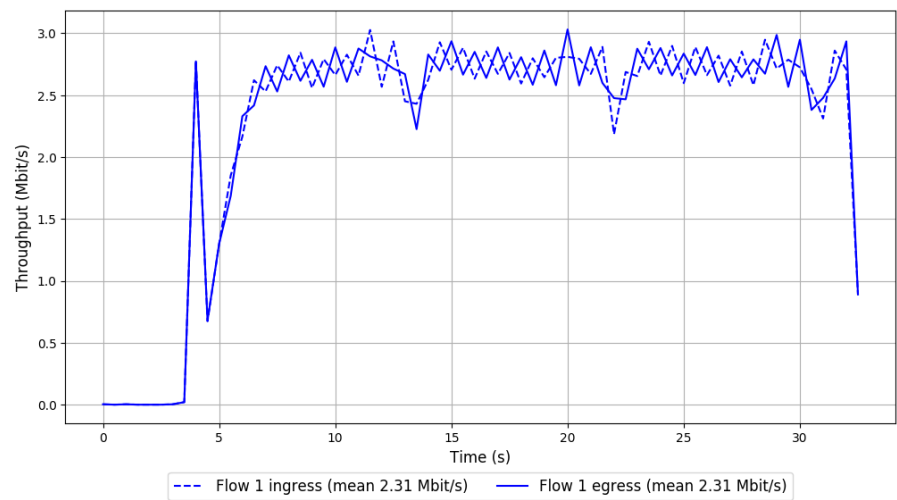```
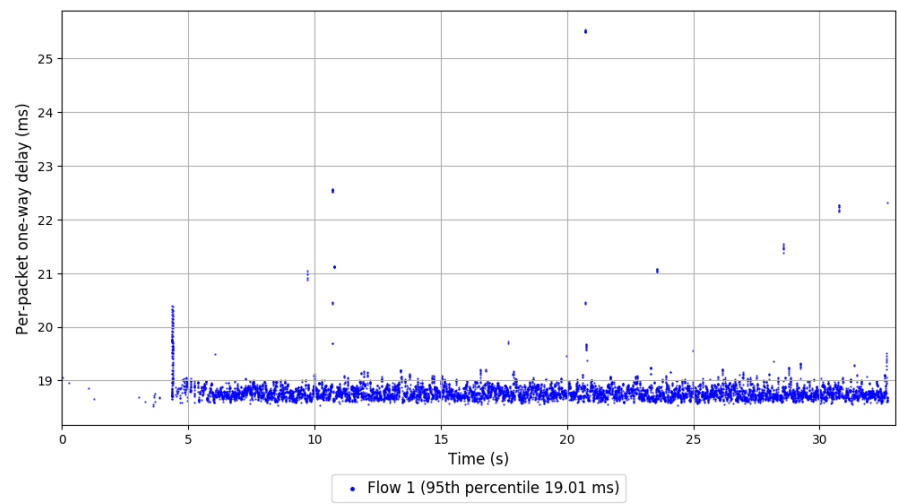
Run 6: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.31 Mbit/s)   Flow 1 egress (mean 2.31 Mbit/s)

Flow 1 (95th percentile 19.36 ms)

```
Run 7: Statistics of WebRTC media

Start at: 2017-10-10 22:47:11
End at: 2017-10-10 22:47:41
Local clock offset: 0.429 ms
Remote clock offset: -0.078 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.076 ms
Loss rate: 0.00%
```
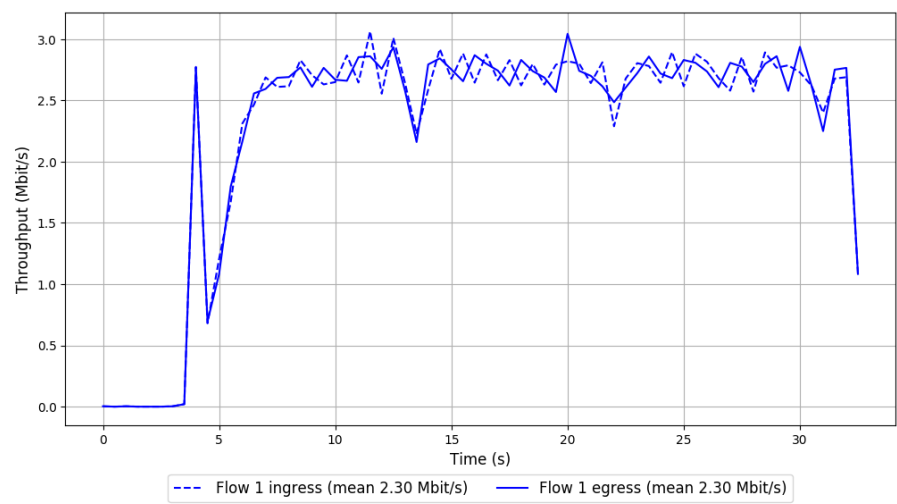
Run 7: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 19.08 ms)

```
Run 8: Statistics of WebRTC media

Start at: 2017-10-10 23:06:08
End at: 2017-10-10 23:06:38
Local clock offset: 0.781 ms
Remote clock offset: -0.041 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 18.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 18.974 ms
Loss rate: 0.00%
```
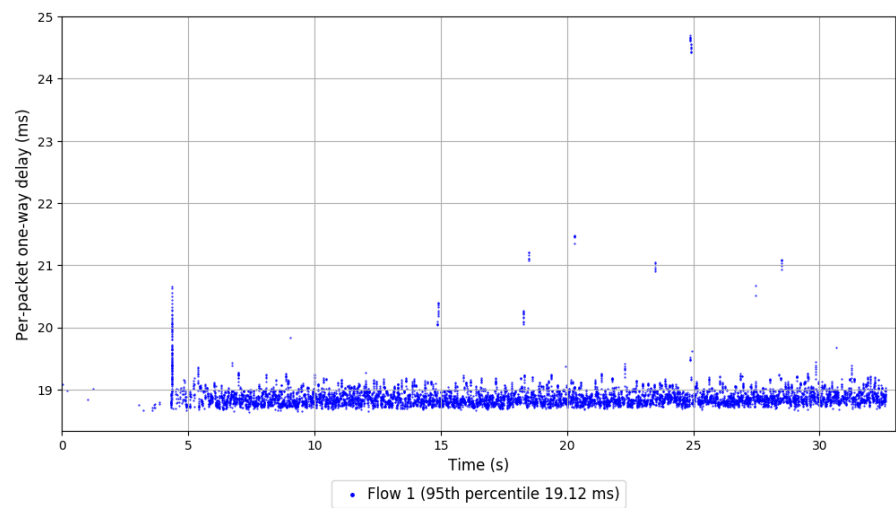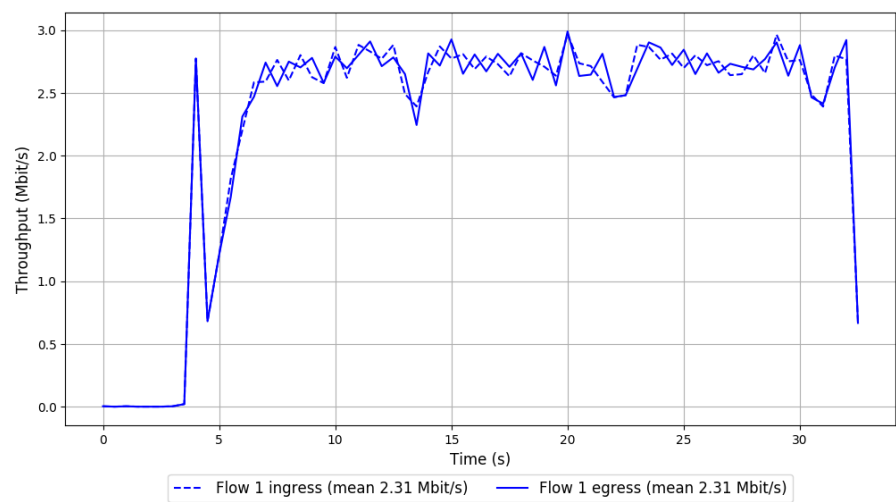
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2017-10-10 23:25:14
End at: 2017-10-10 23:25:44
Local clock offset: 0.882 ms
Remote clock offset: -0.243 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.013 ms
Loss rate: 0.00%
```
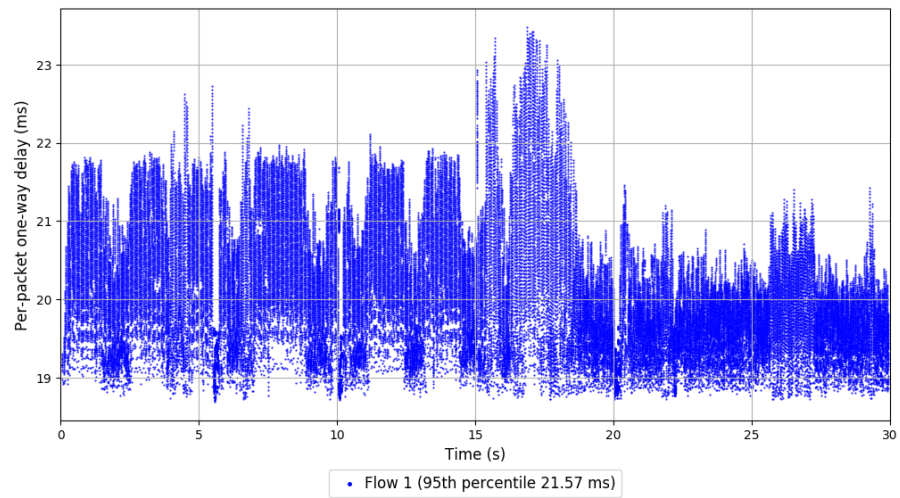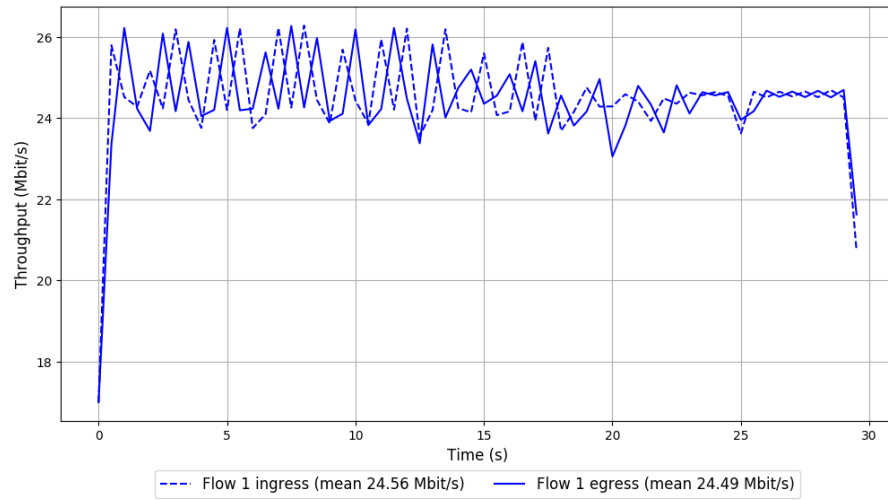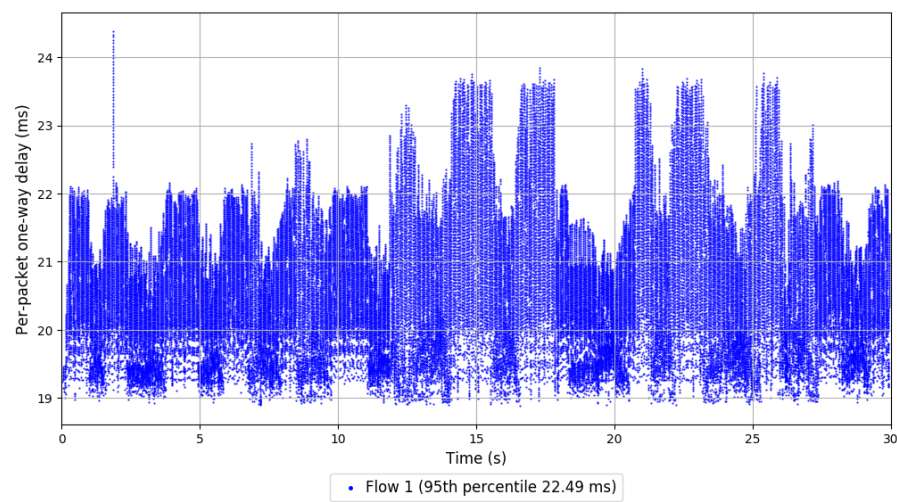
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2017-10-10 23:44:00
End at: 2017-10-10 23:44:30
Local clock offset: 0.88 ms
Remote clock offset: -0.353 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.31 Mbit/s)   Flow 1 egress (mean 2.31 Mbit/s)

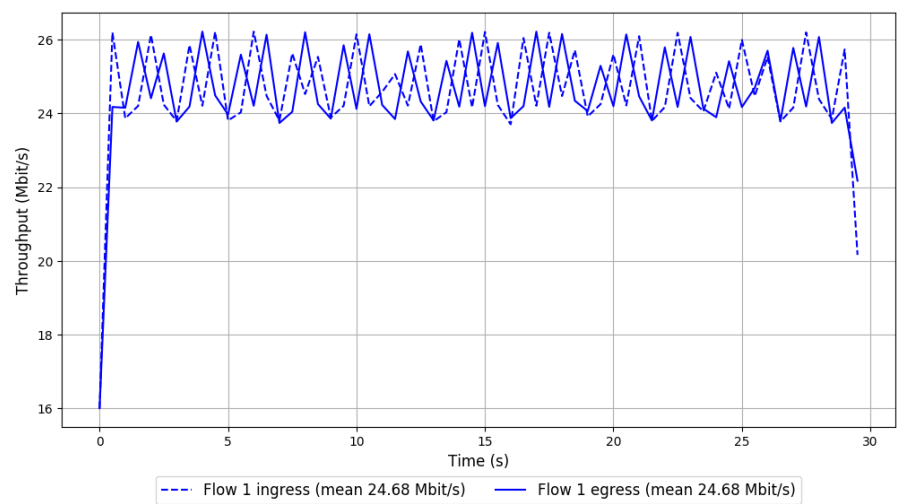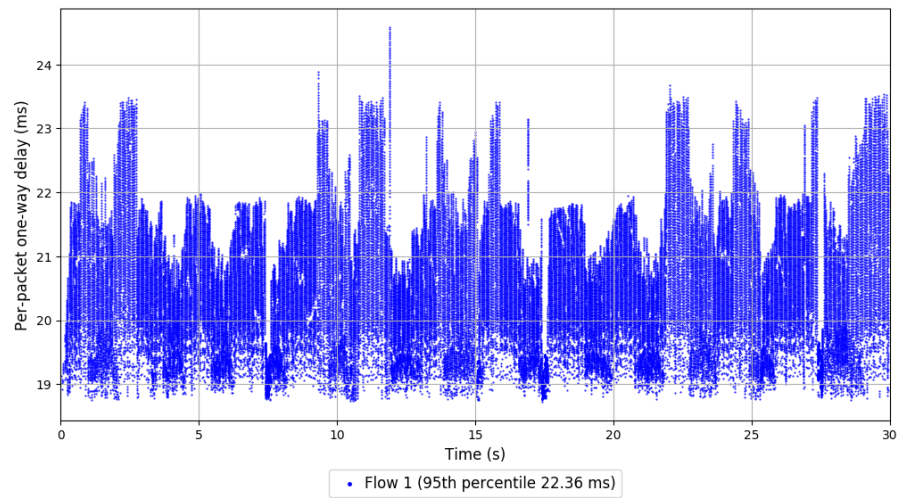
Flow 1 (95th percentile 19.12 ms)

```
Run 1: Statistics of Sprout

Start at: 2017-10-10 21:06:02
End at: 2017-10-10 21:06:32
Local clock offset: -2.53 ms
Remote clock offset: 0.174 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 21.566 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 24.49 Mbit/s
95th percentile per-packet one-way delay: 21.566 ms
Loss rate: 0.27%
```

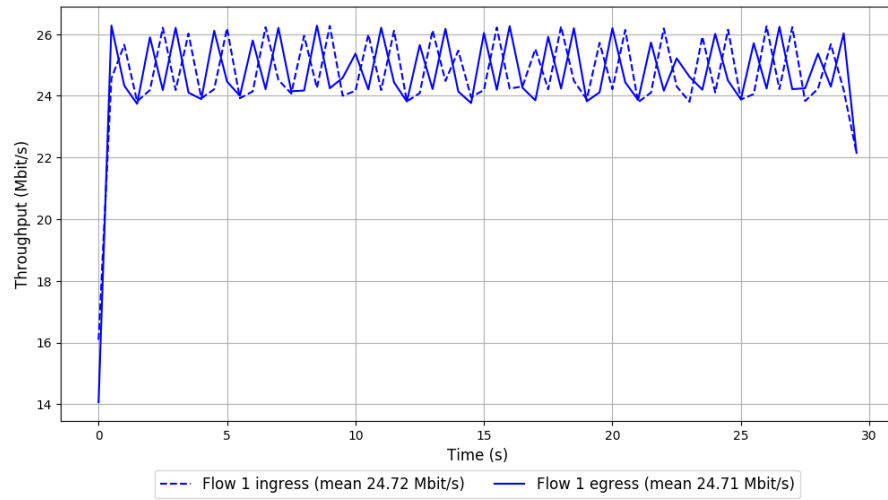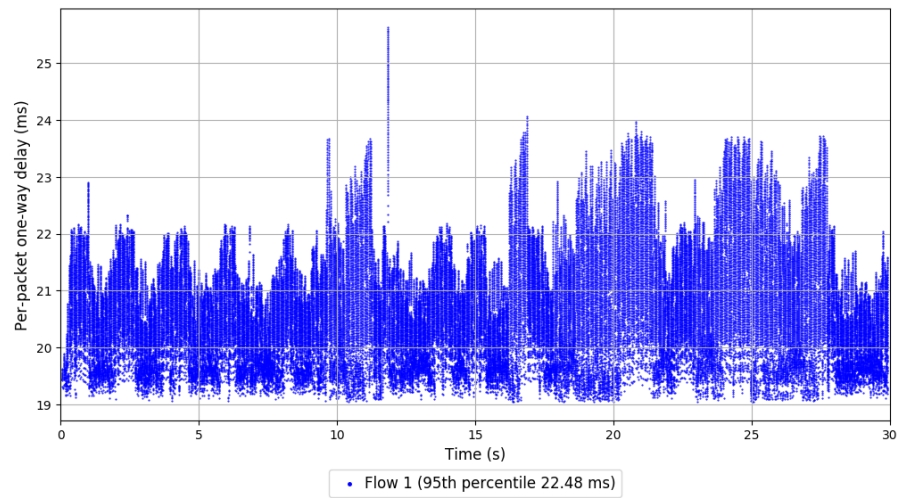Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2017-10-10 21:25:28
End at: 2017-10-10 21:25:58
Local clock offset: -2.517 ms
Remote clock offset: 0.185 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.486 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.68 Mbit/s
95th percentile per-packet one-way delay: 22.486 ms
Loss rate: 0.01%
```

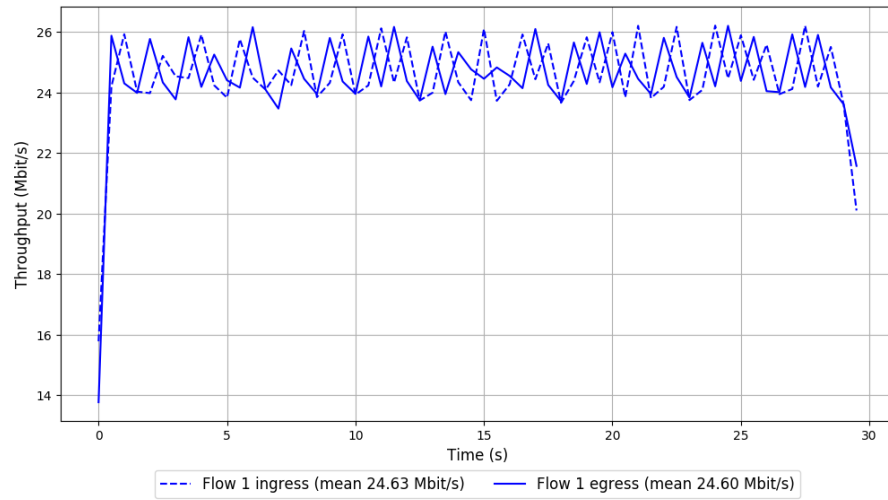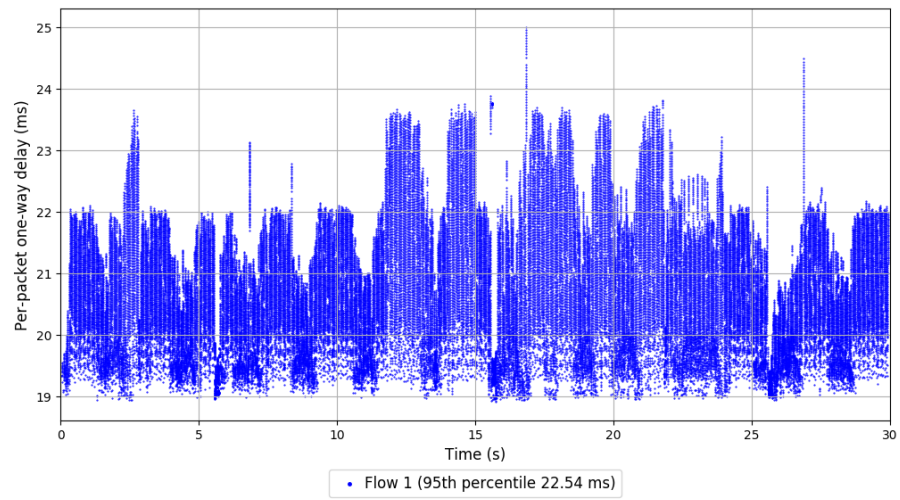Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2017-10-10 21:44:19
End at: 2017-10-10 21:44:49
Local clock offset: -1.648 ms
Remote clock offset: -0.068 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 22.356 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 22.356 ms
Loss rate: 0.01%
```

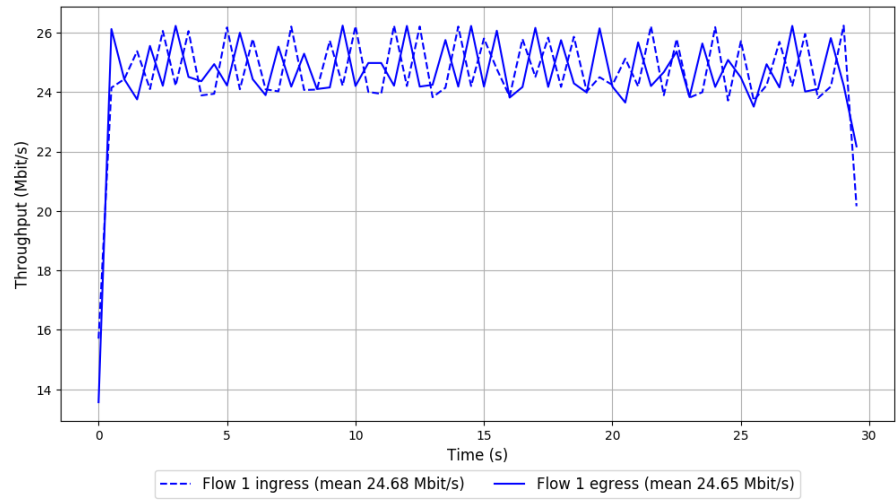Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 24.72 Mbit/s)   Flow 1 egress (mean 24.71 Mbit/s)

Flow 1 (95th percentile 22.36 ms)

```
Run 4: Statistics of Sprout

Start at: 2017-10-10 22:03:09
End at: 2017-10-10 22:03:39
Local clock offset: -1.027 ms
Remote clock offset: -0.048 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 22.477 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 24.60 Mbit/s
95th percentile per-packet one-way delay: 22.477 ms
Loss rate: 0.10%
```

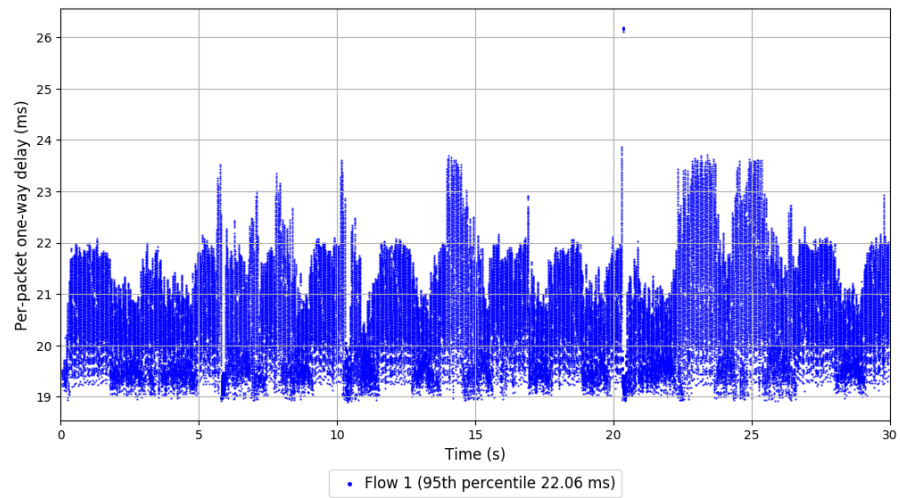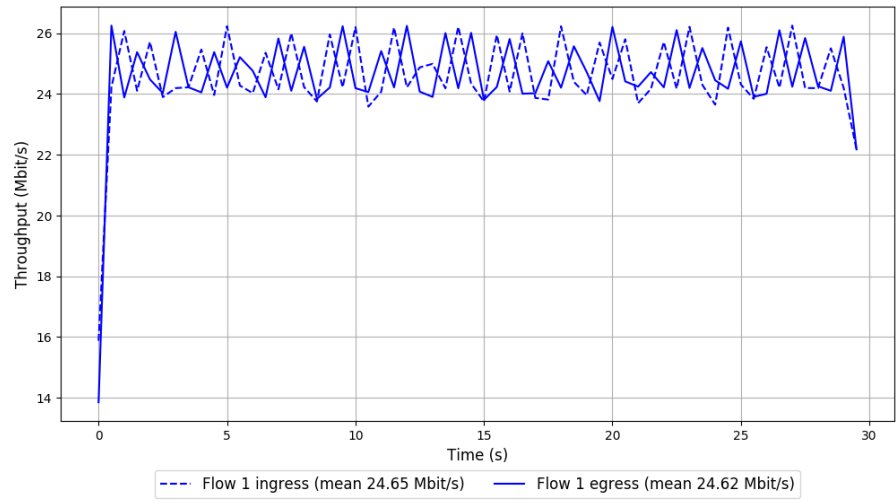Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2017-10-10 22:21:56
End at: 2017-10-10 22:22:26
Local clock offset: -0.269 ms
Remote clock offset: -0.202 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 22.544 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 22.544 ms
Loss rate: 0.13%
```
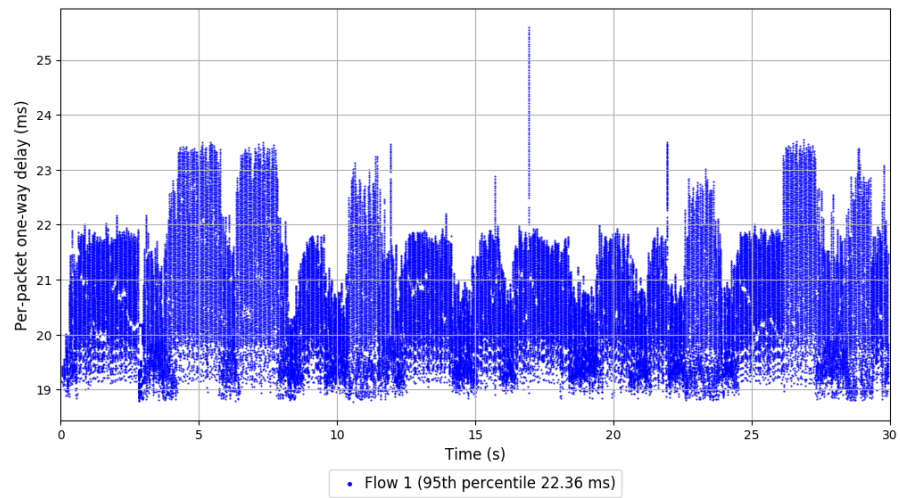
Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2017-10-10 22:40:31
End at: 2017-10-10 22:41:01
Local clock offset: 0.199 ms
Remote clock offset: -0.152 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 22.063 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 24.62 Mbit/s
95th percentile per-packet one-way delay: 22.063 ms
Loss rate: 0.13%
```
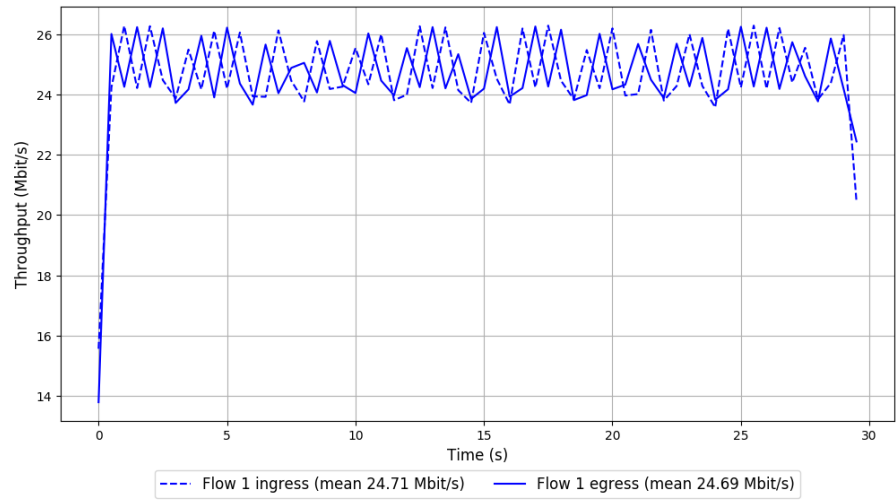
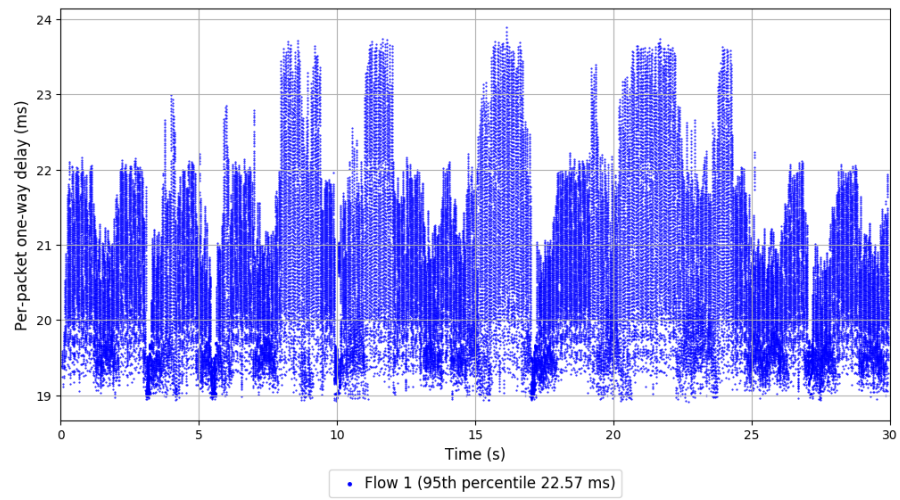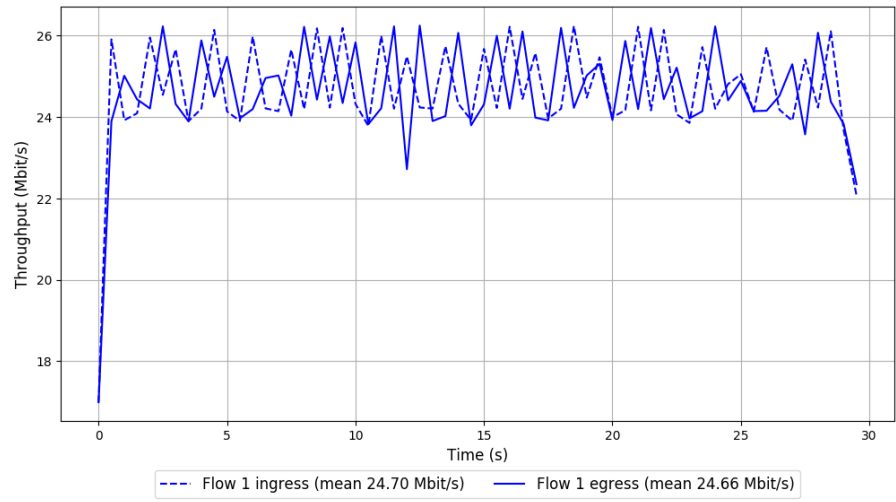## Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2017-10-10 22:59:28
End at: 2017-10-10 22:59:58
Local clock offset: 0.546 ms
Remote clock offset: 0.007 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.356 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.356 ms
Loss rate: 0.08%
```
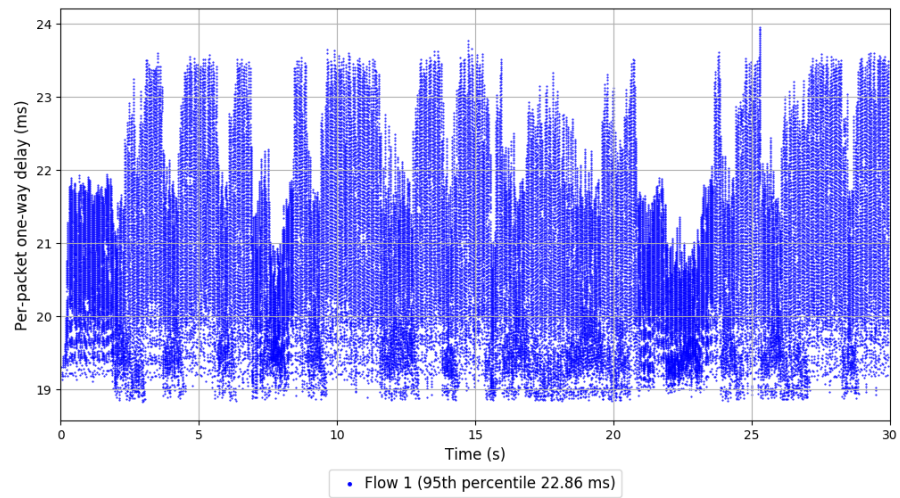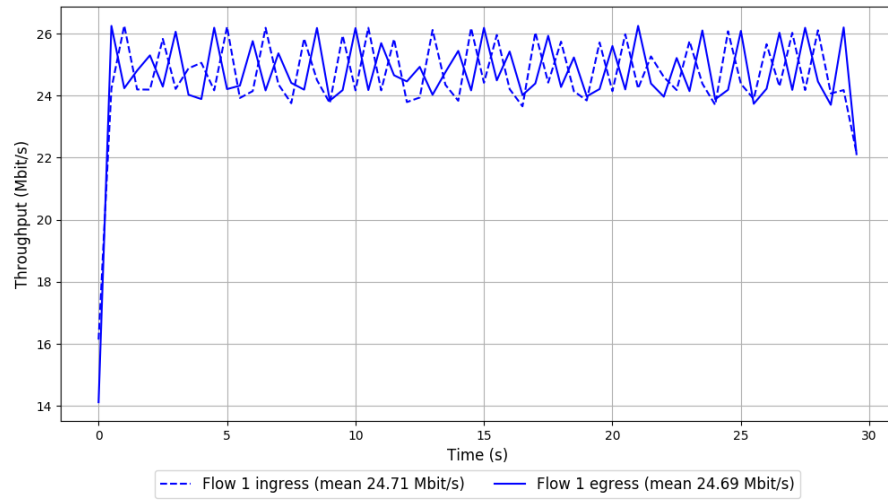
Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 24.71 Mbit/s) --- Flow 1 egress (mean 24.69 Mbit/s)

Flow 1 (95th percentile 22.36 ms)

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```
Run 8: Statistics of Sprout

Start at: 2017-10-10 23:18:20
End at: 2017-10-10 23:18:50
Local clock offset: 0.762 ms
Remote clock offset: -0.196 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.572 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 22.572 ms
Loss rate: 0.19%
```
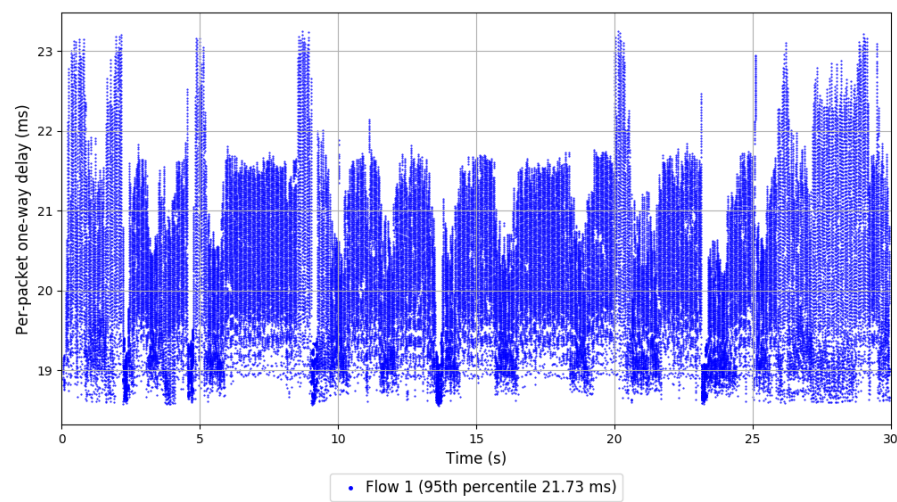
Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 24.70 Mbit/s)   Flow 1 egress (mean 24.66 Mbit/s)

• Flow 1 (95th percentile 22.57 ms)

```
Run 9: Statistics of Sprout

Start at: 2017-10-10 23:37:24
End at: 2017-10-10 23:37:54
Local clock offset: 0.877 ms
Remote clock offset: -0.383 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.865 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.865 ms
Loss rate: 0.03%
```
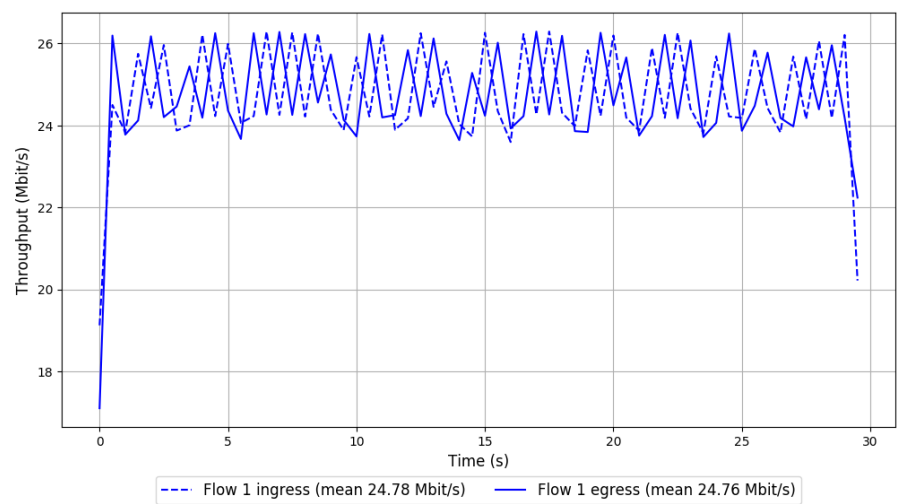
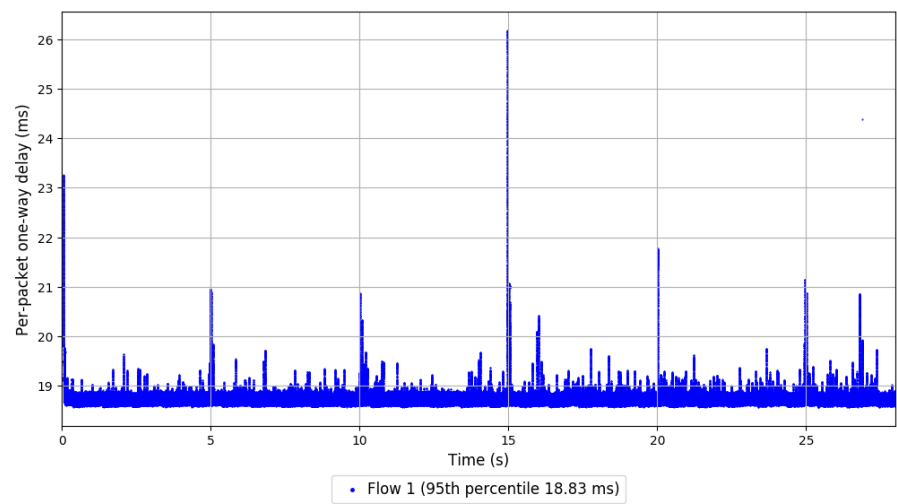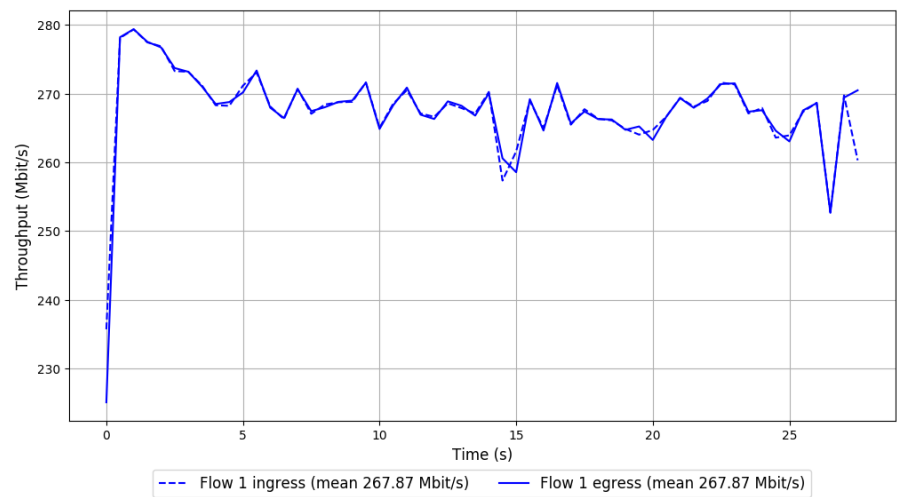## Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 24.71 Mbit/s)   Flow 1 egress (mean 24.69 Mbit/s)

• Flow 1 (95th percentile 22.86 ms)

161

```
Run 10: Statistics of Sprout

Start at: 2017-10-10 23:56:12
End at: 2017-10-10 23:56:42
Local clock offset: 1.296 ms
Remote clock offset: -0.547 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 21.734 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 21.734 ms
Loss rate: 0.06%
```
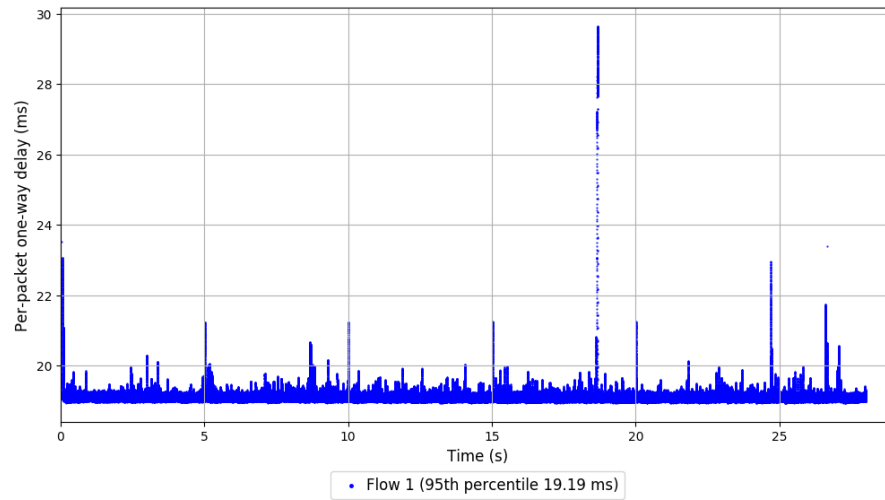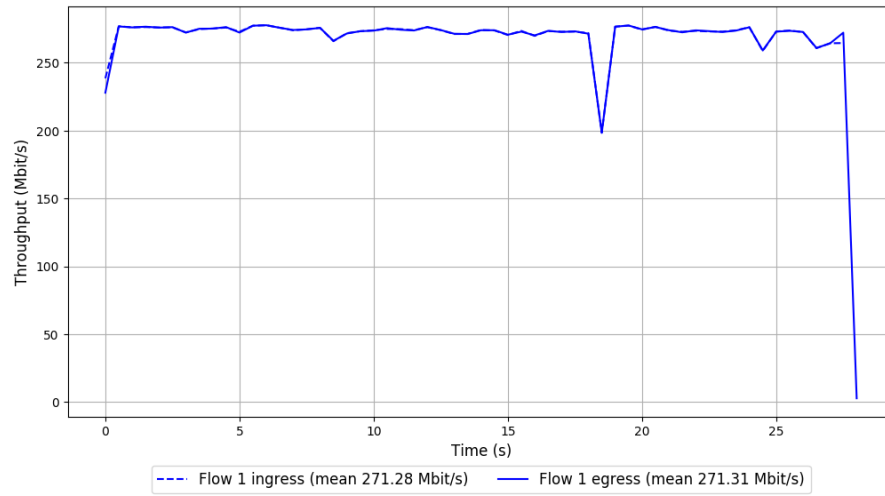
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 24.78 Mbit/s)   Flow 1 egress (mean 24.76 Mbit/s)

Flow 1 (95th percentile 21.73 ms)

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

Start at: 2017-10-10 20:57:55
End at: 2017-10-10 20:58:25
Local clock offset: -2.219 ms
Remote clock offset: 0.279 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 267.87 Mbit/s
95th percentile per-packet one-way delay: 18.826 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 267.87 Mbit/s
95th percentile per-packet one-way delay: 18.826 ms
Loss rate: 0.00%
```
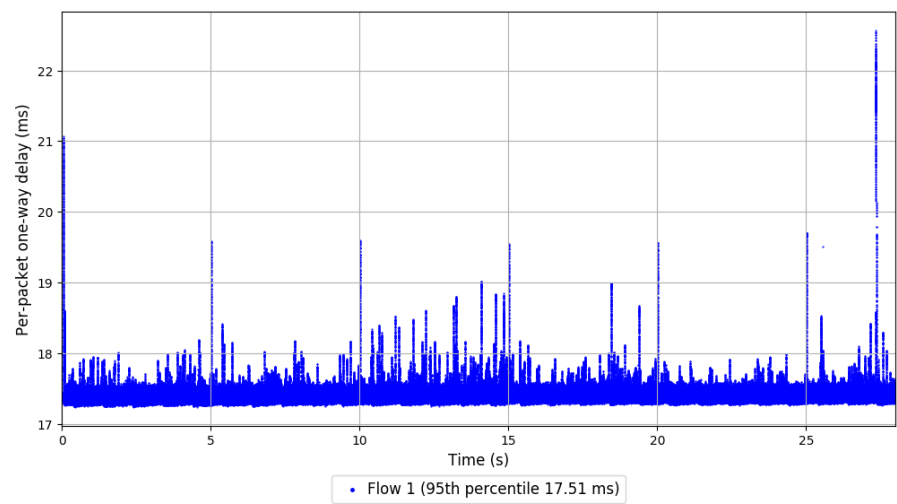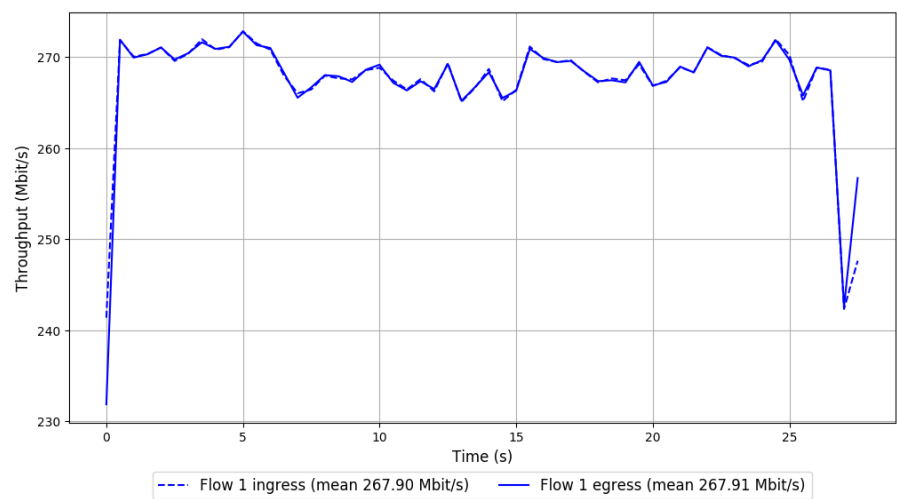
Run 1: Report of TaoVA-100x — Data Link

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

Start at: 2017-10-10 21:17:11
End at: 2017-10-10 21:17:41
Local clock offset: -2.729 ms
Remote clock offset: 0.26 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.31 Mbit/s
95th percentile per-packet one-way delay: 19.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 271.31 Mbit/s
95th percentile per-packet one-way delay: 19.194 ms
Loss rate: 0.00%
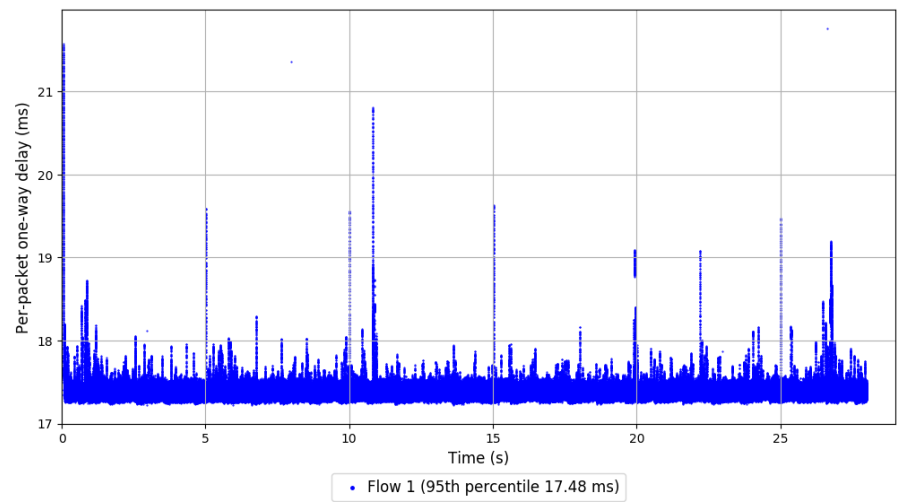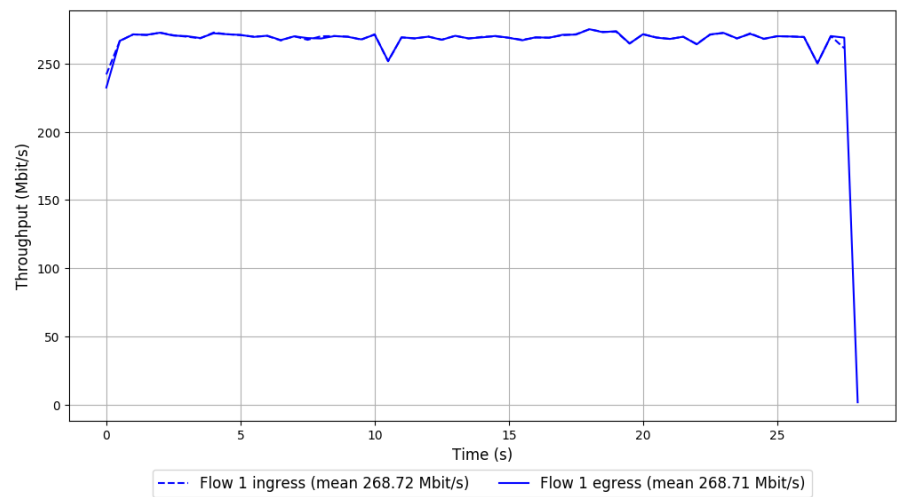```

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



Flow 1 ingress (mean 271.28 Mbit/s)    Flow 1 egress (mean 271.31 Mbit/s)



Flow 1 (95th percentile 19.19 ms)

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

Start at: 2017-10-10 21:36:05
End at: 2017-10-10 21:36:35
Local clock offset: -2.059 ms
Remote clock offset: 0.014 ms

Below is generated by plot.py at 2017-10-11 02:08:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 267.91 Mbit/s
95th percentile per-packet one-way delay: 17.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 267.91 Mbit/s
95th percentile per-packet one-way delay: 17.508 ms
Loss rate: 0.00%
```
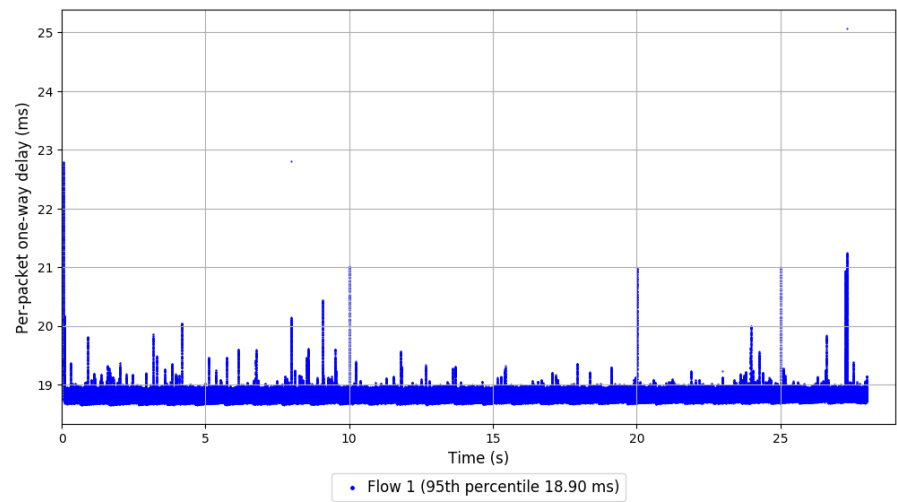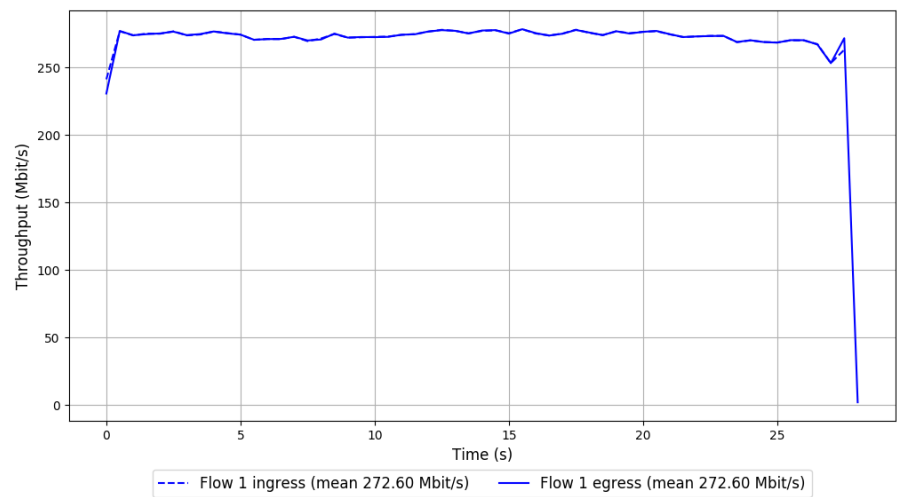
Run 3: Report of TaoVA-100x — Data Link



Flow 1 ingress (mean 267.90 Mbit/s) ---- Flow 1 egress (mean 267.91 Mbit/s)



Flow 1 (95th percentile 17.51 ms)

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

Start at: 2017-10-10 21:55:04
End at: 2017-10-10 21:55:34
Local clock offset: -1.243 ms
Remote clock offset: -0.043 ms

Below is generated by plot.py at 2017-10-11 02:08:25
Datalink statistics
-- Total of 1 flow:
Average throughput: 268.71 Mbit/s
95th percentile per-packet one-way delay: 17.475 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 268.71 Mbit/s
95th percentile per-packet one-way delay: 17.475 ms
Loss rate: 0.00%
```
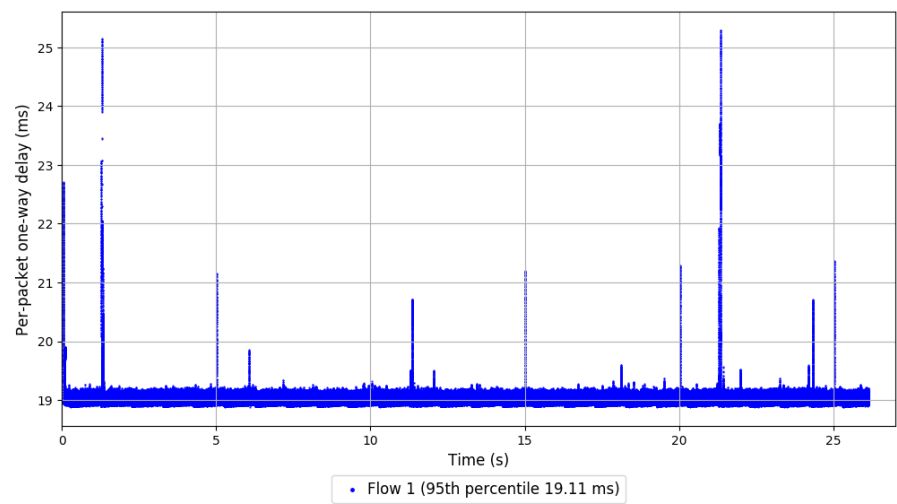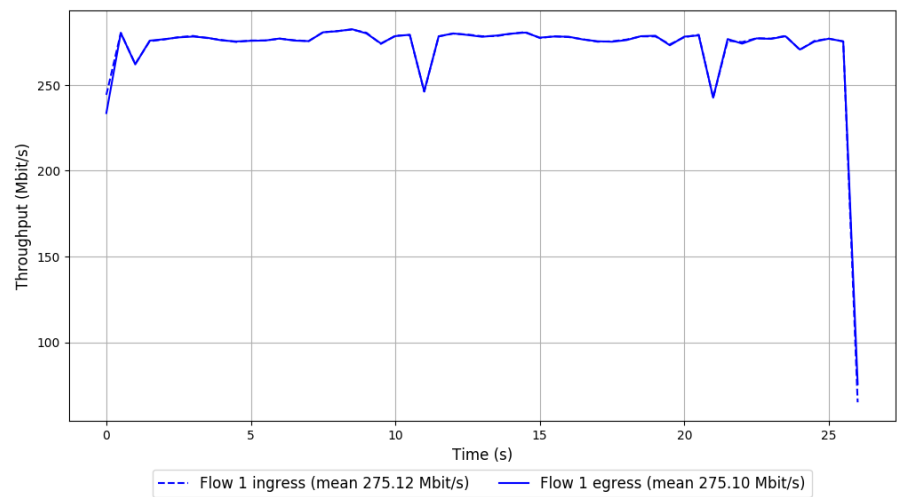
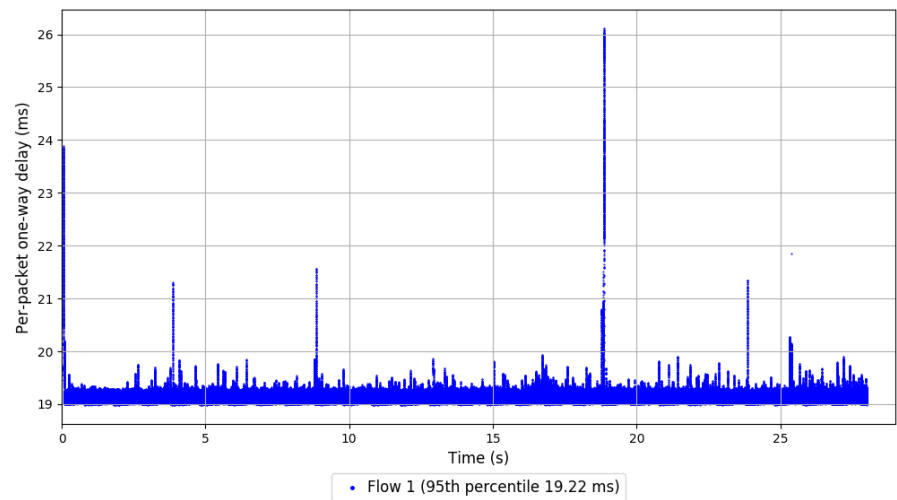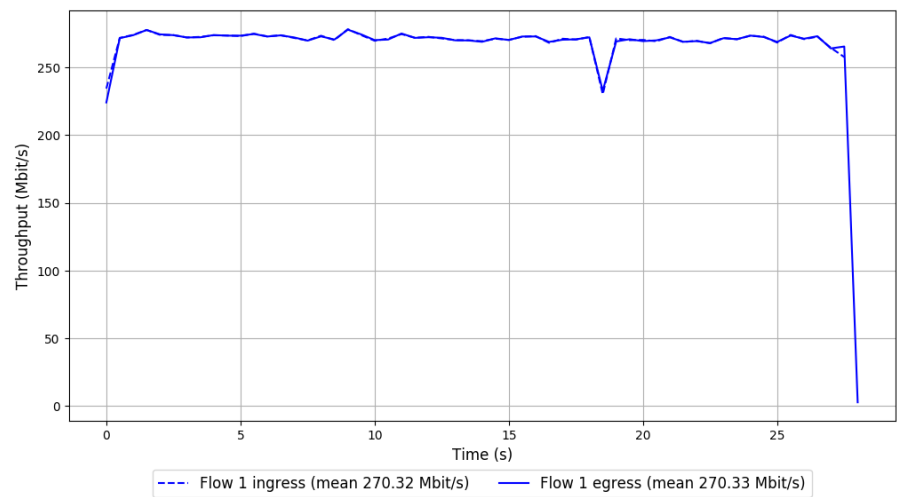# Run 4: Report of TaoVA-100x — Data Link





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

Start at: 2017-10-10 22:13:42
End at: 2017-10-10 22:14:12
Local clock offset: -0.673 ms
Remote clock offset: -0.085 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.60 Mbit/s
95th percentile per-packet one-way delay: 18.899 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 272.60 Mbit/s
95th percentile per-packet one-way delay: 18.899 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 272.60 Mbit/s) --- Flow 1 egress (mean 272.60 Mbit/s)

Flow 1 (95th percentile 18.90 ms)

173

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

Start at: 2017-10-10 22:32:27
End at: 2017-10-10 22:32:57
Local clock offset: 0.199 ms
Remote clock offset: -0.055 ms


# Below is generated by plot.py at 2017-10-11 02:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.10 Mbit/s
95th percentile per-packet one-way delay: 19.108 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 275.10 Mbit/s
95th percentile per-packet one-way delay: 19.108 ms
Loss rate: 0.01%
```
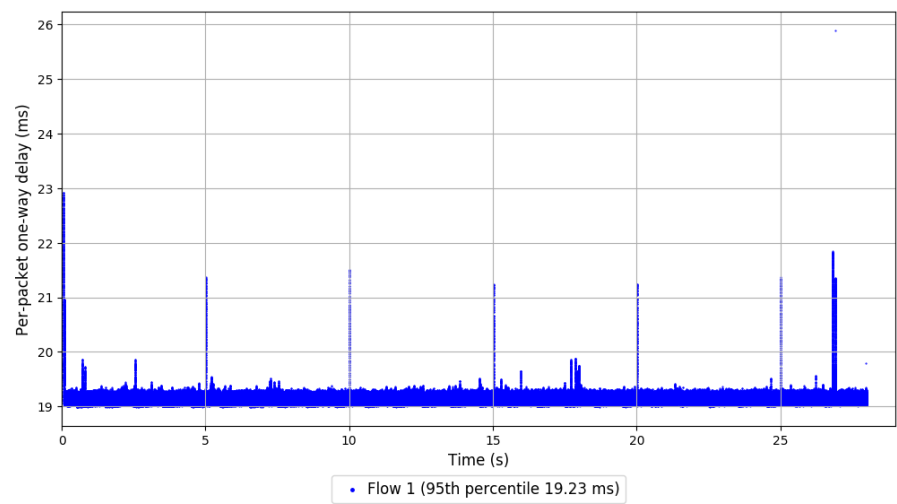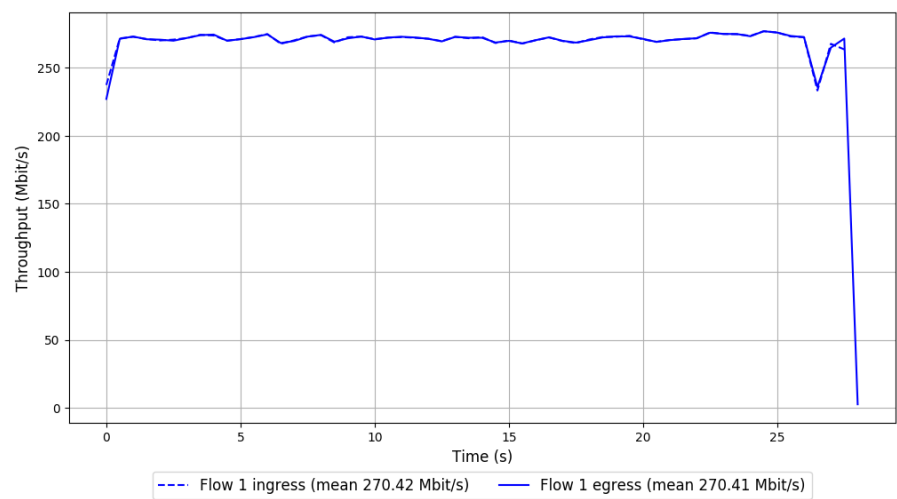
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 275.12 Mbit/s) —— Flow 1 egress (mean 275.10 Mbit/s)
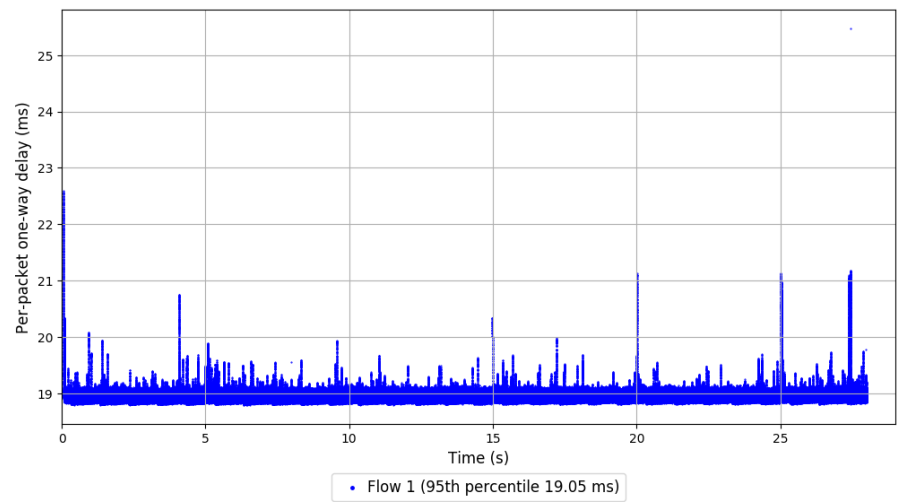

• Flow 1 (95th percentile 19.11 ms)

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

Start at: 2017-10-10 22:51:11
End at: 2017-10-10 22:51:41
Local clock offset: 0.384 ms
Remote clock offset: -0.037 ms


# Below is generated by plot.py at 2017-10-11 02:12:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 270.33 Mbit/s
95th percentile per-packet one-way delay: 19.221 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 270.33 Mbit/s
95th percentile per-packet one-way delay: 19.221 ms
Loss rate: 0.00%
```
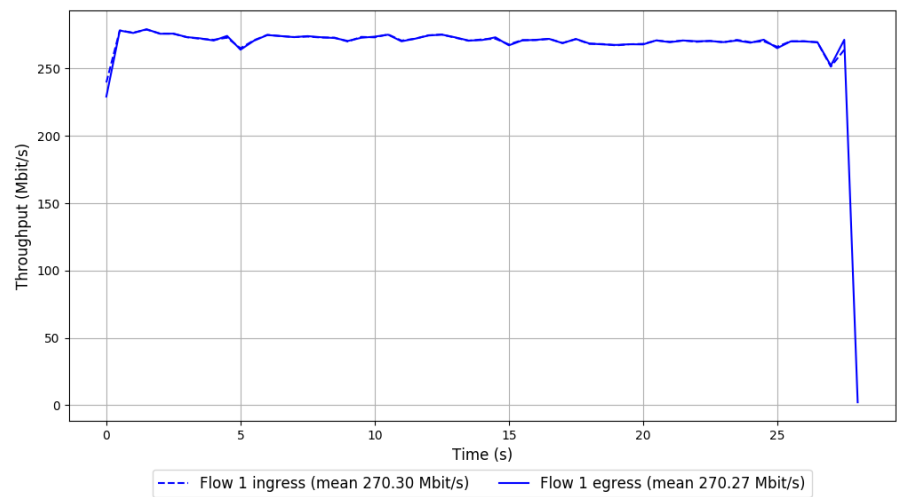
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 270.32 Mbit/s) --- Flow 1 egress (mean 270.33 Mbit/s)

• Flow 1 (95th percentile 19.22 ms)

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

Start at: 2017-10-10 23:10:06
End at: 2017-10-10 23:10:36
Local clock offset: 0.709 ms
Remote clock offset: 0.049 ms


# Below is generated by plot.py at 2017-10-11 02:12:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 270.41 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 270.41 Mbit/s
95th percentile per-packet one-way delay: 19.231 ms
Loss rate: 0.00%
```
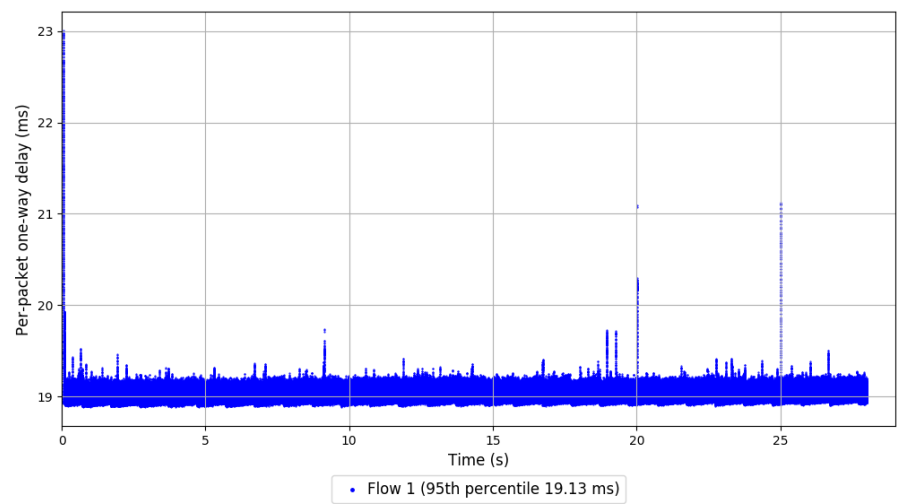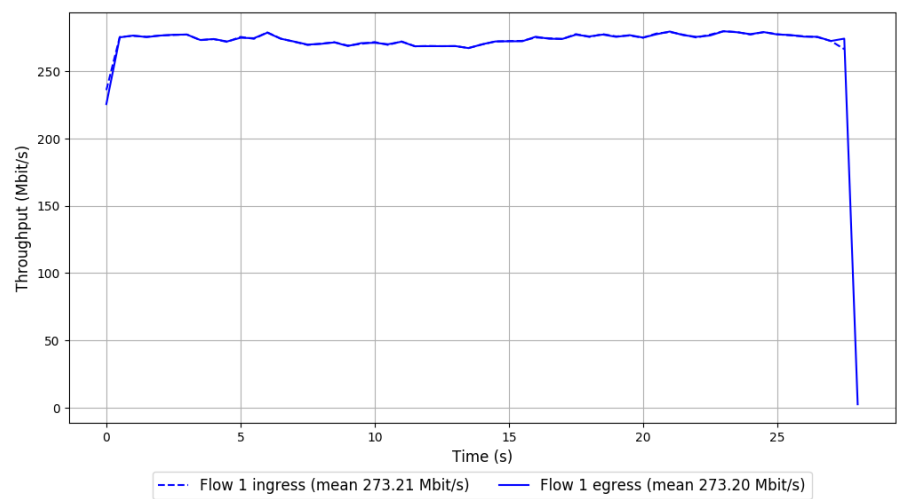
Run 8: Report of TaoVA-100x — Data Link

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

Start at: 2017-10-10 23:29:10
End at: 2017-10-10 23:29:40
Local clock offset: 0.87 ms
Remote clock offset: -0.303 ms


# Below is generated by plot.py at 2017-10-11 02:12:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 270.27 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 270.27 Mbit/s
95th percentile per-packet one-way delay: 19.050 ms
Loss rate: 0.01%
```
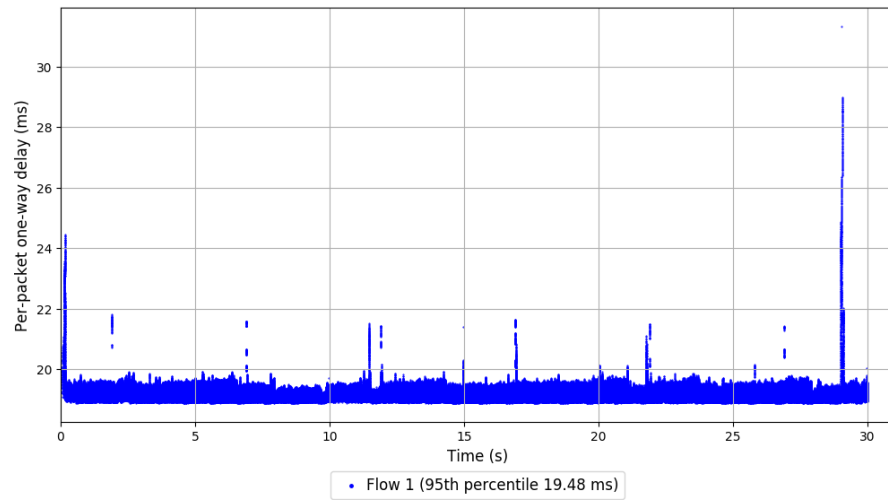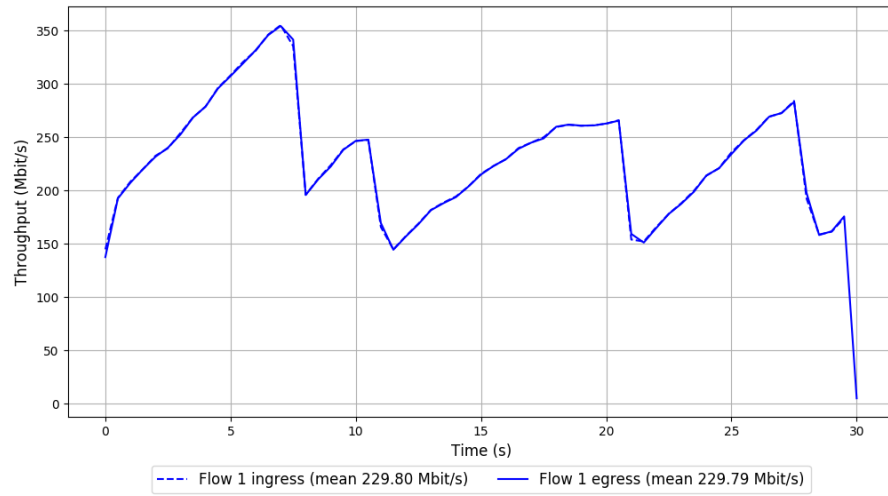
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 270.30 Mbit/s) — Flow 1 egress (mean 270.27 Mbit/s)

Flow 1 (95th percentile 19.05 ms)

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

Start at: 2017-10-10 23:47:56
End at: 2017-10-10 23:48:26
Local clock offset: 0.961 ms
Remote clock offset: -0.532 ms


# Below is generated by plot.py at 2017-10-11 02:12:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 273.20 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 273.20 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.01%
```
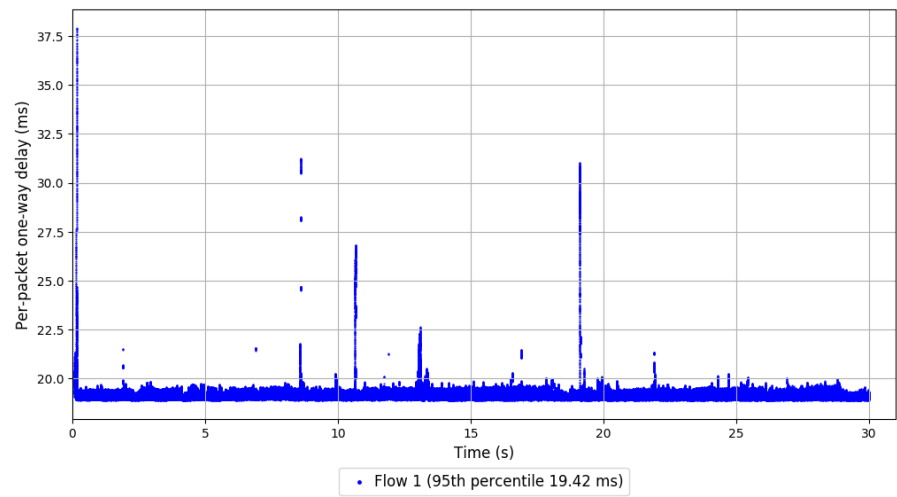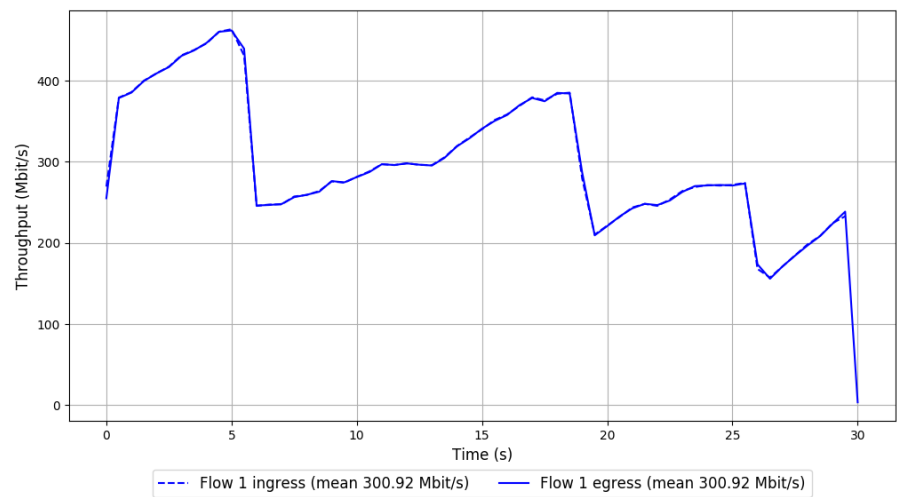
Run 10: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 273.21 Mbit/s) — Flow 1 egress (mean 273.20 Mbit/s)

Flow 1 (95th percentile 19.13 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2017-10-10 20:55:05
End at: 2017-10-10 20:55:35
Local clock offset: -2.265 ms
Remote clock offset: 0.258 ms


# Below is generated by plot.py at 2017-10-11 02:12:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.79 Mbit/s
95th percentile per-packet one-way delay: 19.480 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 229.79 Mbit/s
95th percentile per-packet one-way delay: 19.480 ms
Loss rate: 0.00%
```
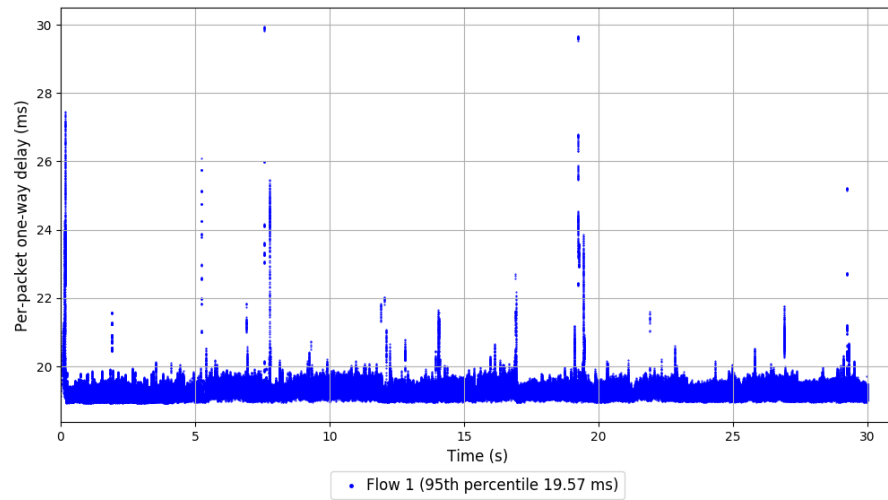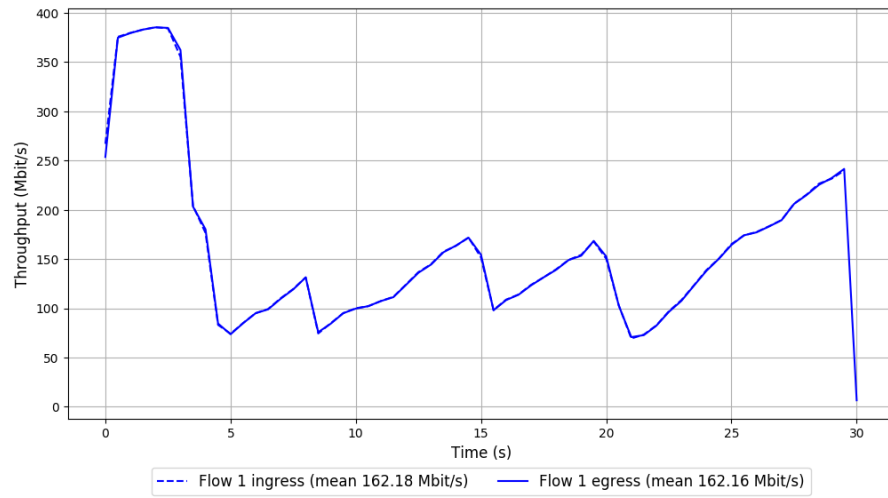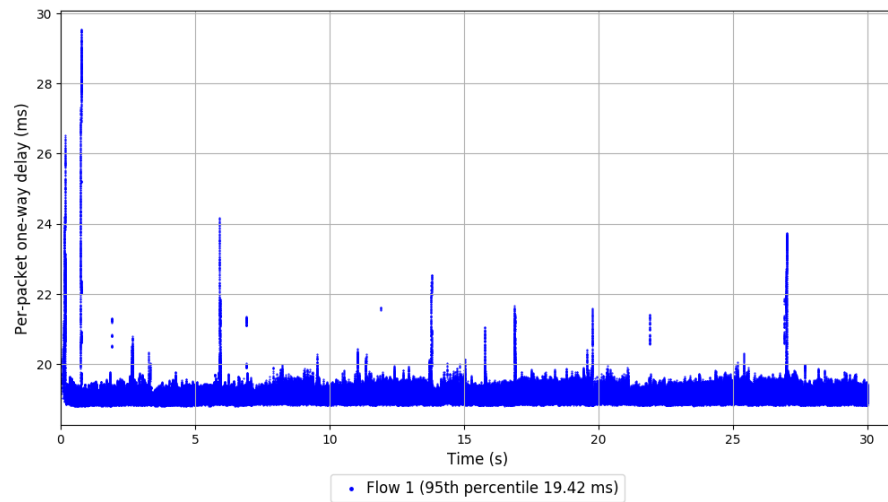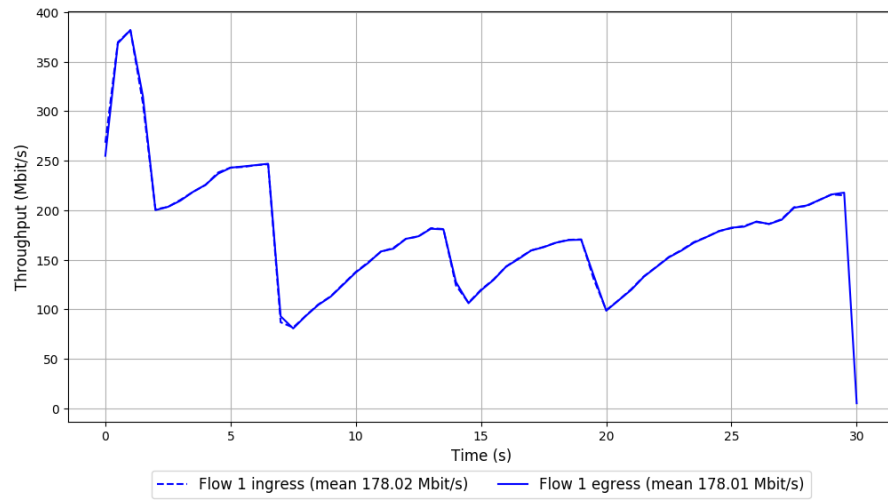
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2017-10-10 21:14:18
End at: 2017-10-10 21:14:48
Local clock offset: -2.66 ms
Remote clock offset: 0.171 ms


# Below is generated by plot.py at 2017-10-11 02:12:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 300.92 Mbit/s
95th percentile per-packet one-way delay: 19.420 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 300.92 Mbit/s
95th percentile per-packet one-way delay: 19.420 ms
Loss rate: 0.00%
```
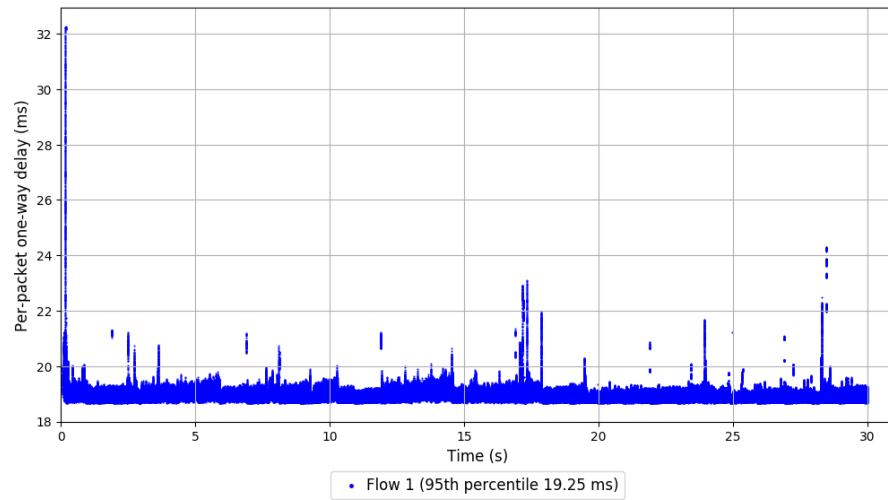
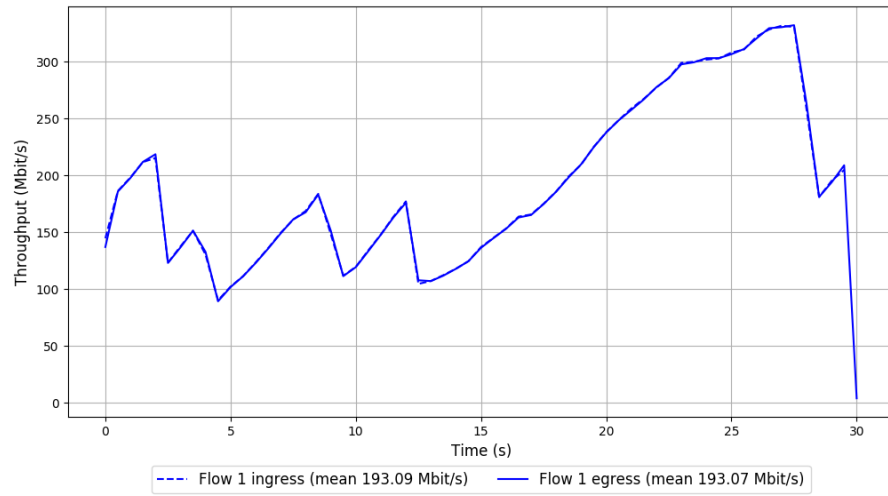Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2017-10-10 21:33:18
End at: 2017-10-10 21:33:48
Local clock offset: -2.196 ms
Remote clock offset: 0.056 ms


# Below is generated by plot.py at 2017-10-11 02:12:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.16 Mbit/s
95th percentile per-packet one-way delay: 19.567 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 162.16 Mbit/s
95th percentile per-packet one-way delay: 19.567 ms
Loss rate: 0.01%
```
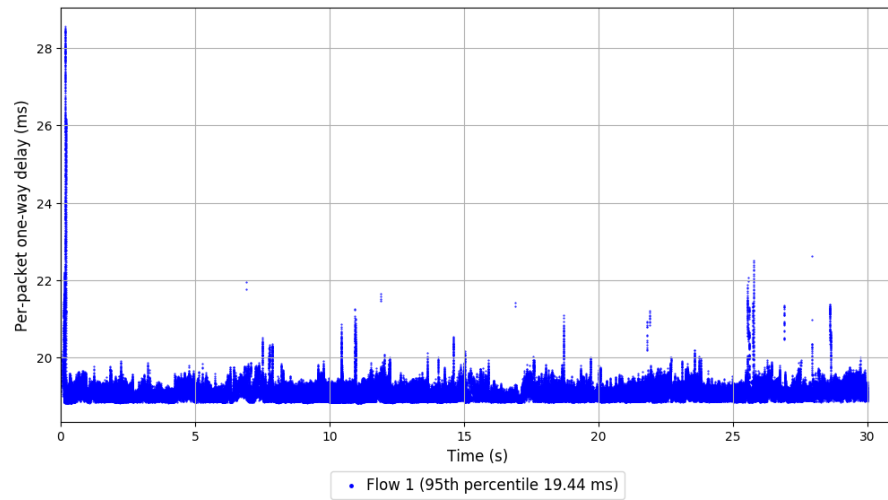
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 162.18 Mbit/s)   Flow 1 egress (mean 162.16 Mbit/s)

Flow 1 (95th percentile 19.57 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2017-10-10 21:52:16
End at: 2017-10-10 21:52:46
Local clock offset: -1.267 ms
Remote clock offset: -0.075 ms


# Below is generated by plot.py at 2017-10-11 02:12:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.01 Mbit/s
95th percentile per-packet one-way delay: 19.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 178.01 Mbit/s
95th percentile per-packet one-way delay: 19.421 ms
Loss rate: 0.00%
```
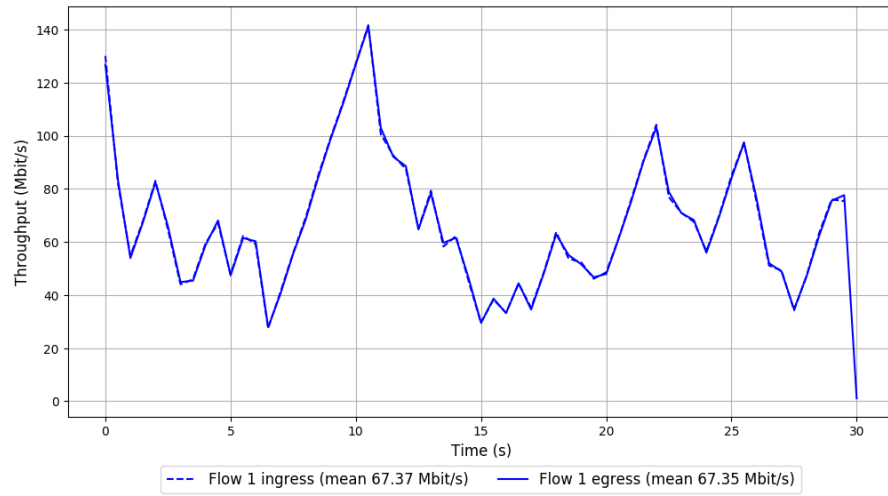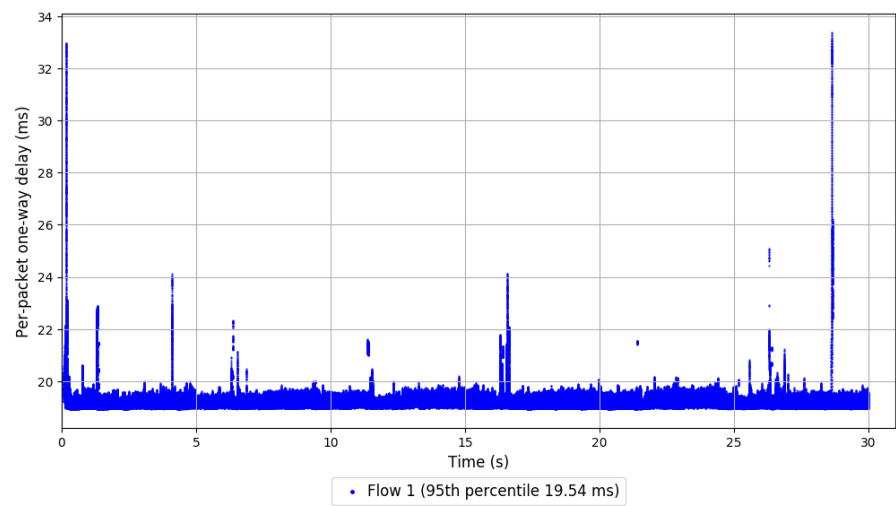
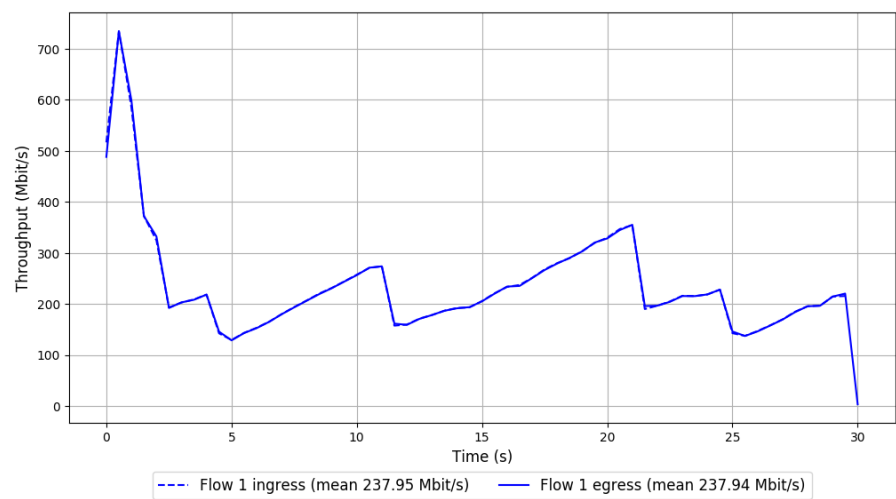Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2017-10-10 22:10:54
End at: 2017-10-10 22:11:24
Local clock offset: -0.755 ms
Remote clock offset: -0.078 ms


# Below is generated by plot.py at 2017-10-11 02:12:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 193.07 Mbit/s
95th percentile per-packet one-way delay: 19.250 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 193.07 Mbit/s
95th percentile per-packet one-way delay: 19.250 ms
Loss rate: 0.01%
```

Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 193.09 Mbit/s)   Flow 1 egress (mean 193.07 Mbit/s)
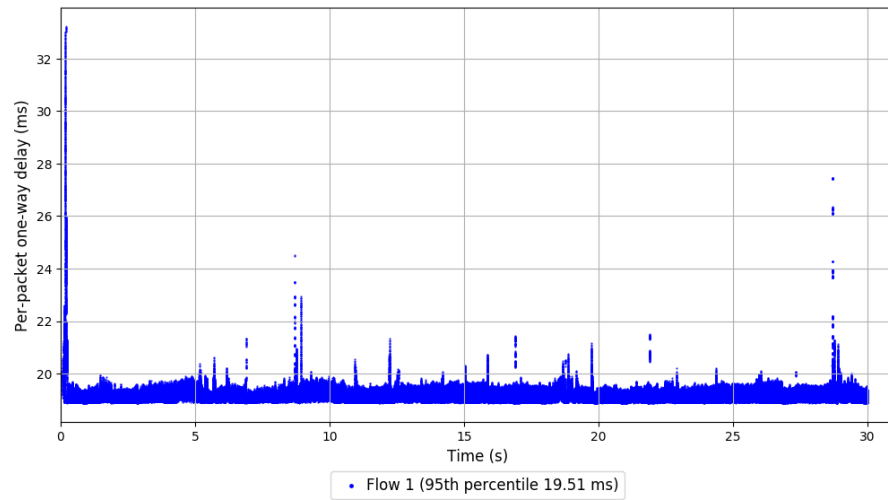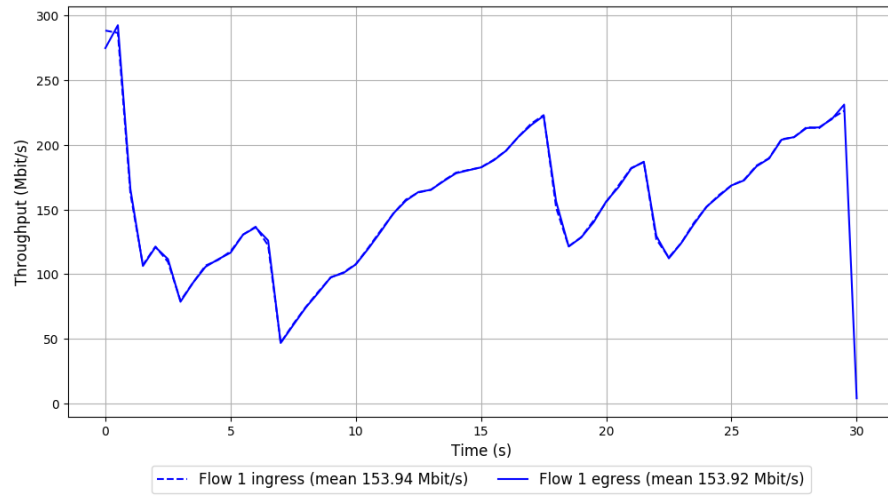

Flow 1 (95th percentile 19.25 ms)

193

```
Run 6: Statistics of TCP Vegas

Start at: 2017-10-10 22:29:42
End at: 2017-10-10 22:30:12
Local clock offset: 0.134 ms
Remote clock offset: -0.192 ms


# Below is generated by plot.py at 2017-10-11 02:12:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.35 Mbit/s
95th percentile per-packet one-way delay: 19.441 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 67.35 Mbit/s
95th percentile per-packet one-way delay: 19.441 ms
Loss rate: 0.03%
```
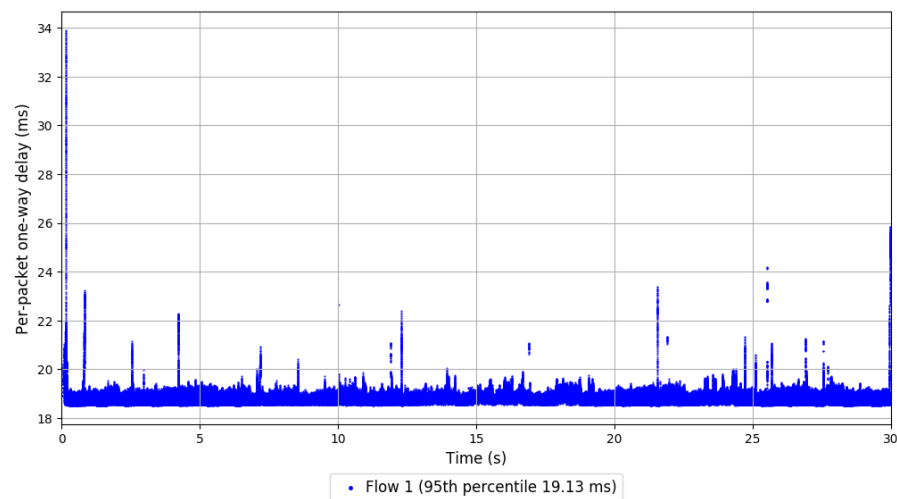
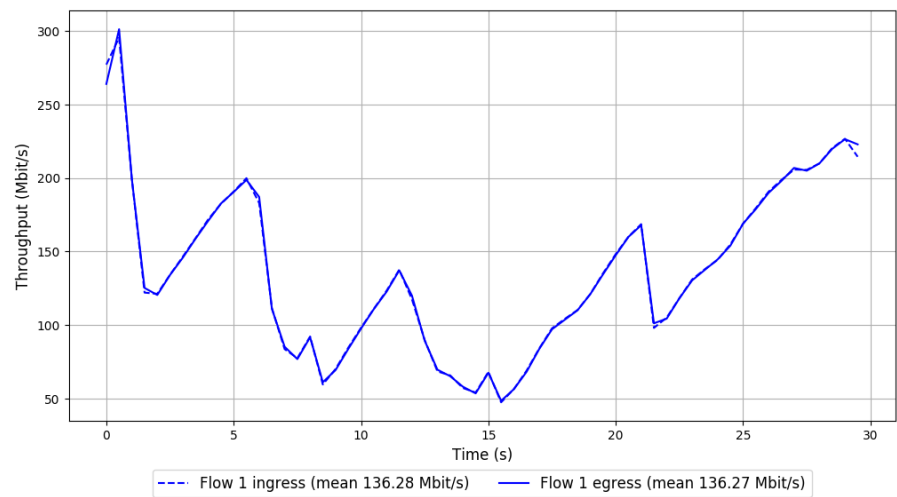Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2017-10-10 22:48:21
End at: 2017-10-10 22:48:51
Local clock offset: 0.399 ms
Remote clock offset: -0.021 ms


# Below is generated by plot.py at 2017-10-11 02:14:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 237.94 Mbit/s
95th percentile per-packet one-way delay: 19.536 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 237.94 Mbit/s
95th percentile per-packet one-way delay: 19.536 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: 2017-10-10 23:07:18
End at: 2017-10-10 23:07:48
Local clock offset: 0.683 ms
Remote clock offset: -0.029 ms


# Below is generated by plot.py at 2017-10-11 02:14:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 153.92 Mbit/s
95th percentile per-packet one-way delay: 19.506 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 153.92 Mbit/s
95th percentile per-packet one-way delay: 19.506 ms
Loss rate: 0.01%
```
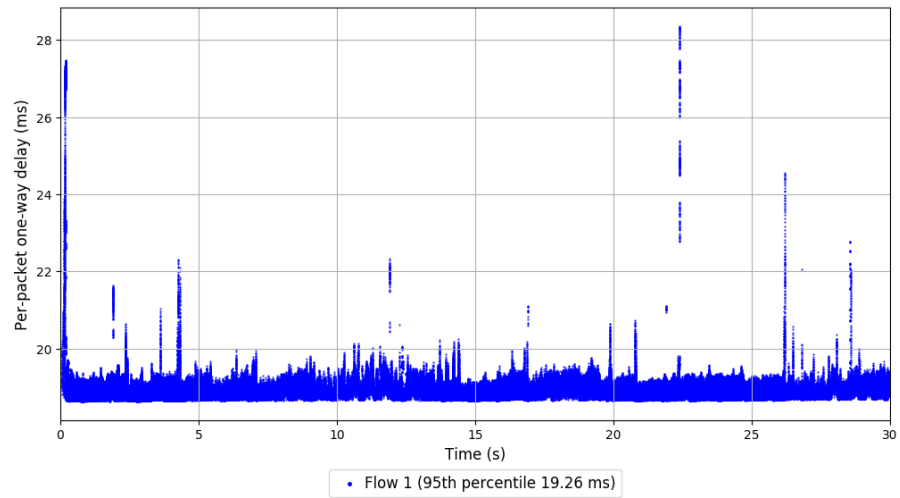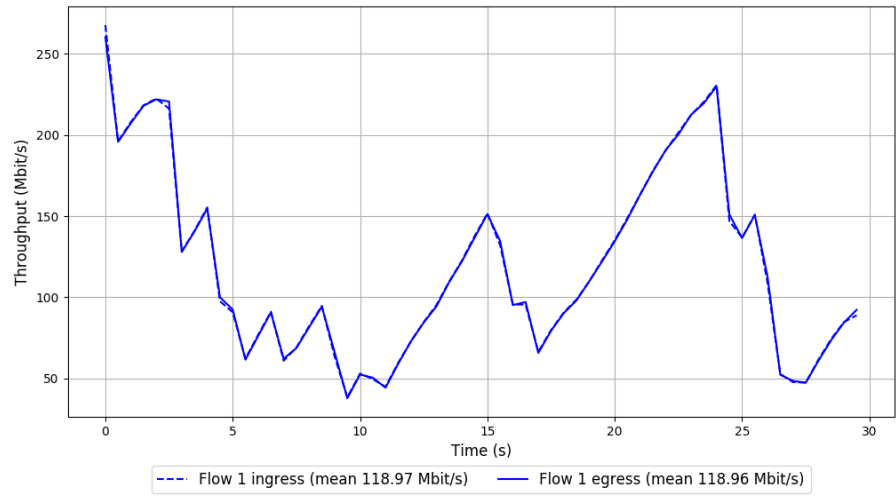
Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: 2017-10-10 23:26:24
End at: 2017-10-10 23:26:54
Local clock offset: 0.91 ms
Remote clock offset: -0.261 ms


# Below is generated by plot.py at 2017-10-11 02:14:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.27 Mbit/s
95th percentile per-packet one-way delay: 19.133 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 136.27 Mbit/s
95th percentile per-packet one-way delay: 19.133 ms
Loss rate: 0.01%
```
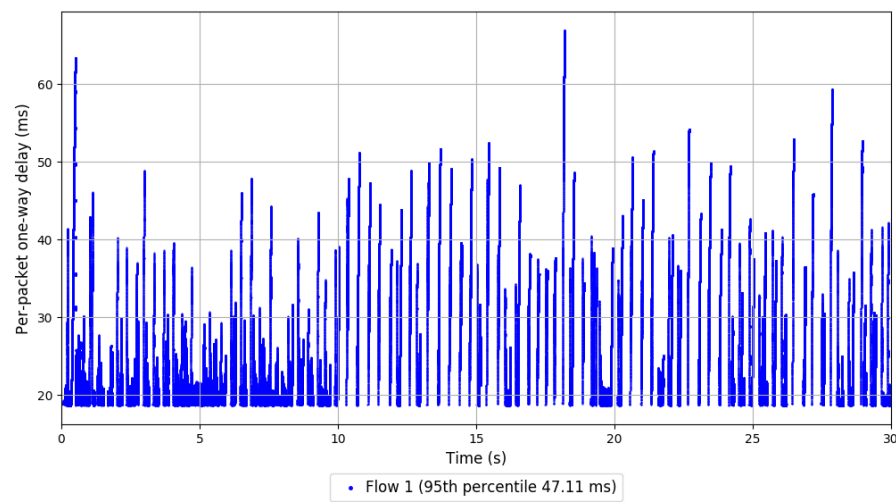
Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: 2017-10-10 23:45:09
End at: 2017-10-10 23:45:39
Local clock offset: 0.983 ms
Remote clock offset: -0.398 ms


# Below is generated by plot.py at 2017-10-11 02:14:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.96 Mbit/s
95th percentile per-packet one-way delay: 19.259 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 118.96 Mbit/s
95th percentile per-packet one-way delay: 19.259 ms
Loss rate: 0.01%
```
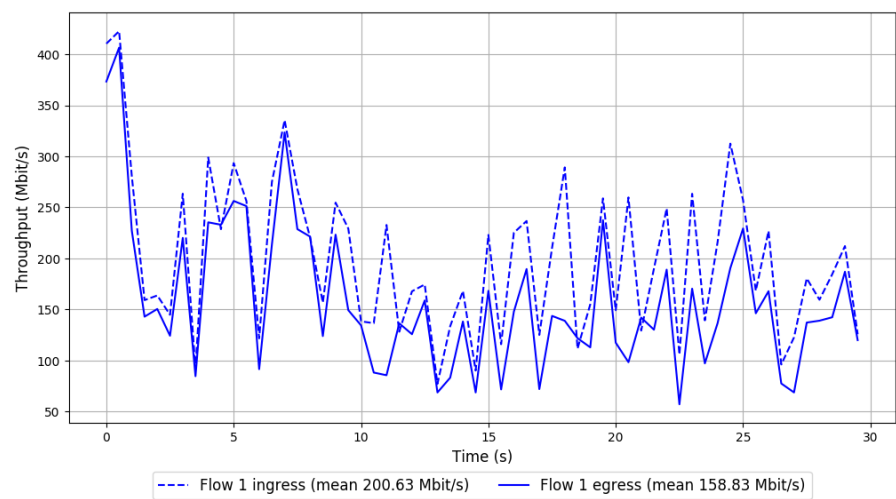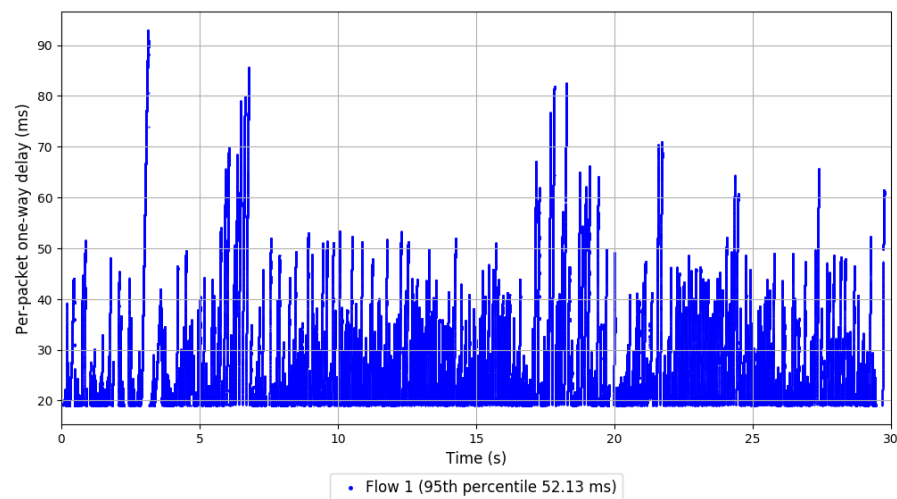
Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 118.97 Mbit/s) —— Flow 1 egress (mean 118.96 Mbit/s)

• Flow 1 (95th percentile 19.26 ms)

```
Run 1: Statistics of Verus

Start at: 2017-10-10 21:02:15
End at: 2017-10-10 21:02:45
Local clock offset: -2.362 ms
Remote clock offset: 0.226 ms


# Below is generated by plot.py at 2017-10-11 02:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 158.83 Mbit/s
95th percentile per-packet one-way delay: 47.110 ms
Loss rate: 20.83%
-- Flow 1:
Average throughput: 158.83 Mbit/s
95th percentile per-packet one-way delay: 47.110 ms
Loss rate: 20.83%
```
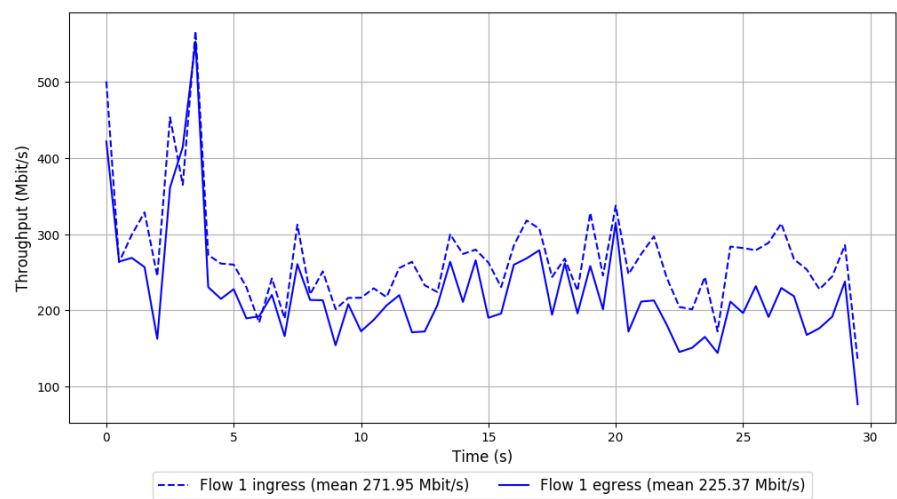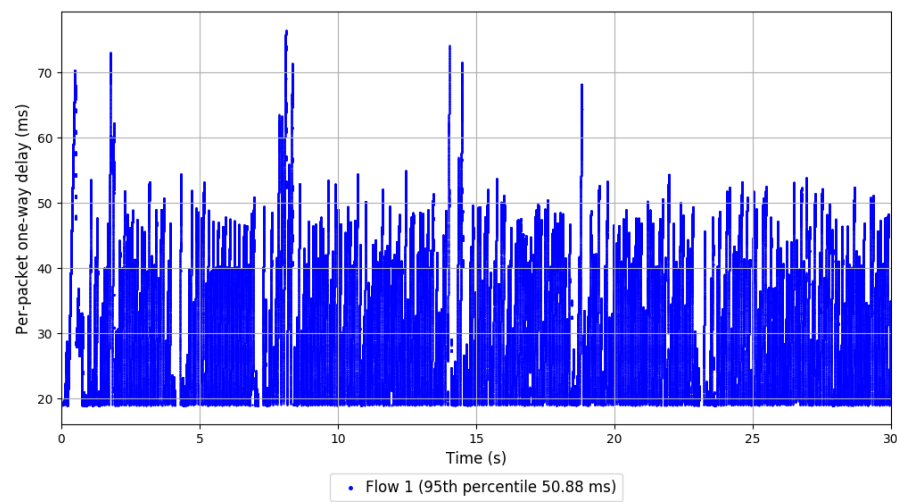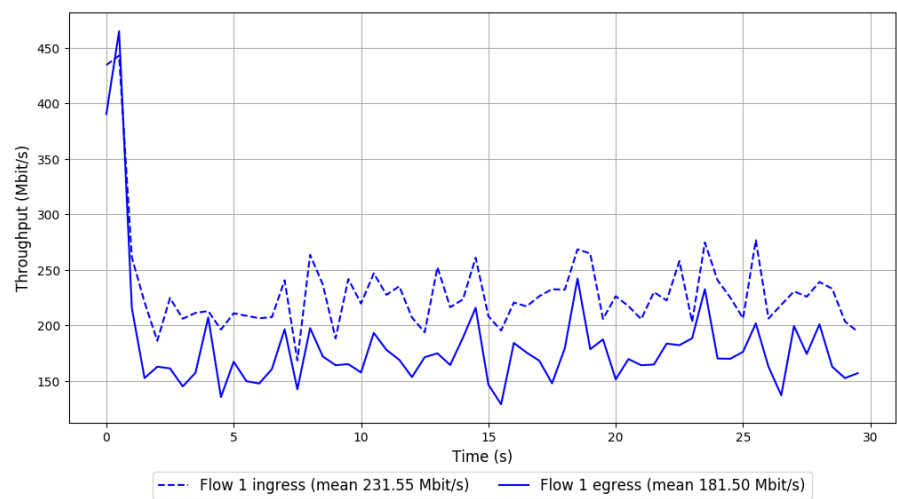
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2017-10-10 21:21:36
End at: 2017-10-10 21:22:06
Local clock offset: -2.823 ms
Remote clock offset: 0.294 ms


# Below is generated by plot.py at 2017-10-11 02:16:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.37 Mbit/s
95th percentile per-packet one-way delay: 52.126 ms
Loss rate: 17.01%
-- Flow 1:
Average throughput: 225.37 Mbit/s
95th percentile per-packet one-way delay: 52.126 ms
Loss rate: 17.01%
```
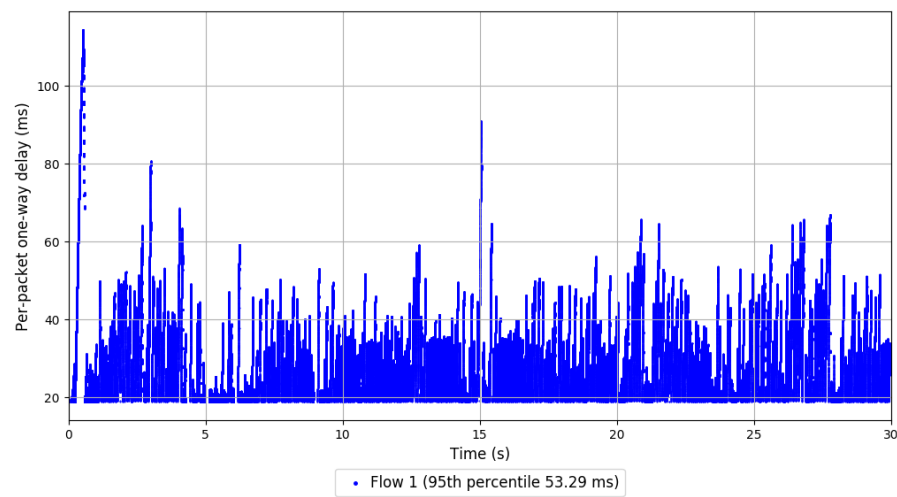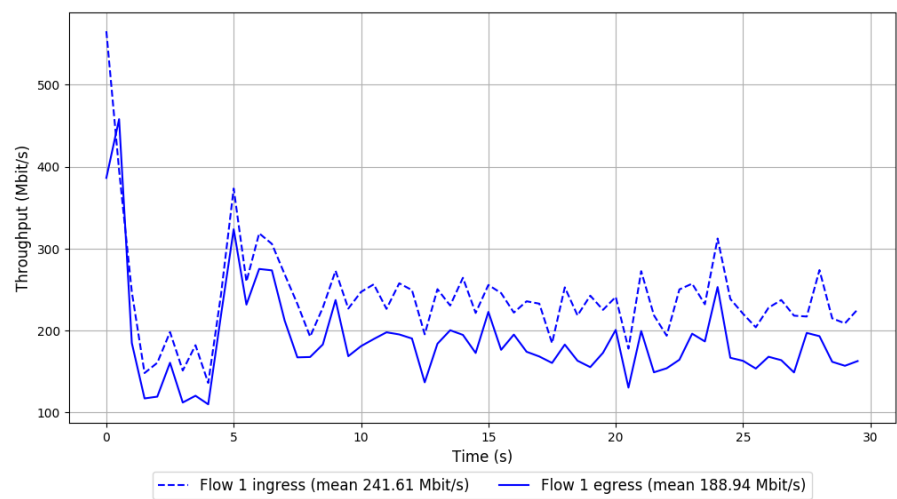
Run 2: Report of Verus — Data Link

Flow 1 ingress (mean 271.95 Mbit/s) —— Flow 1 egress (mean 225.37 Mbit/s)

• Flow 1 (95th percentile 52.13 ms)

```
Run 3: Statistics of Verus

Start at: 2017-10-10 21:40:28
End at: 2017-10-10 21:40:58
Local clock offset: -1.842 ms
Remote clock offset: -0.035 ms


# Below is generated by plot.py at 2017-10-11 02:16:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.50 Mbit/s
95th percentile per-packet one-way delay: 50.879 ms
Loss rate: 21.60%
-- Flow 1:
Average throughput: 181.50 Mbit/s
95th percentile per-packet one-way delay: 50.879 ms
Loss rate: 21.60%
```
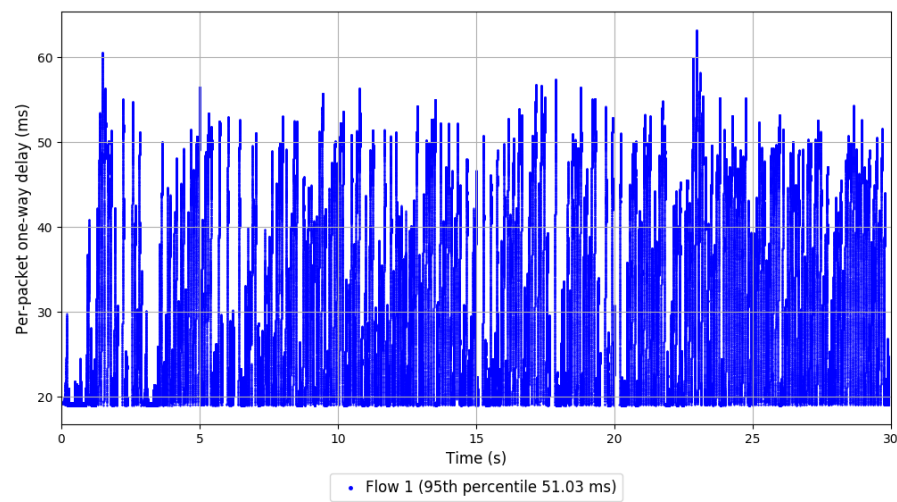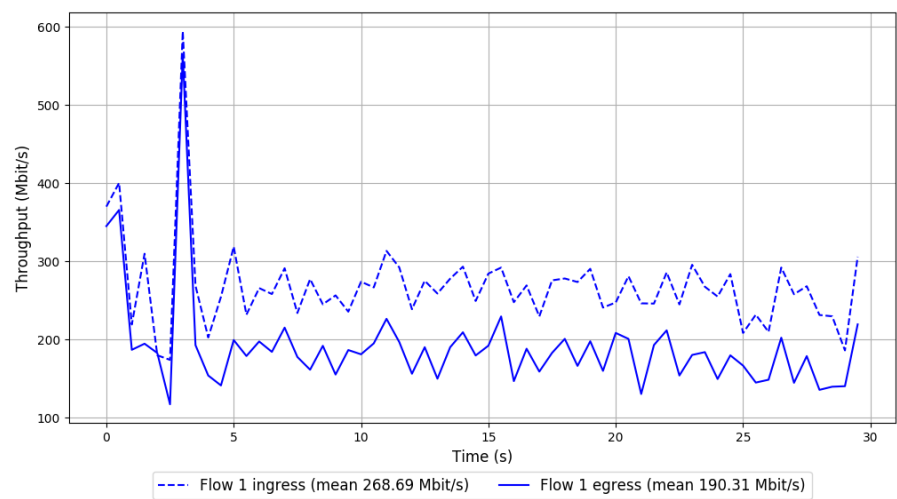
Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2017-10-10 21:59:17
End at: 2017-10-10 21:59:47
Local clock offset: -1.021 ms
Remote clock offset: -0.038 ms


# Below is generated by plot.py at 2017-10-11 02:16:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.94 Mbit/s
95th percentile per-packet one-way delay: 53.288 ms
Loss rate: 21.80%
-- Flow 1:
Average throughput: 188.94 Mbit/s
95th percentile per-packet one-way delay: 53.288 ms
Loss rate: 21.80%
```
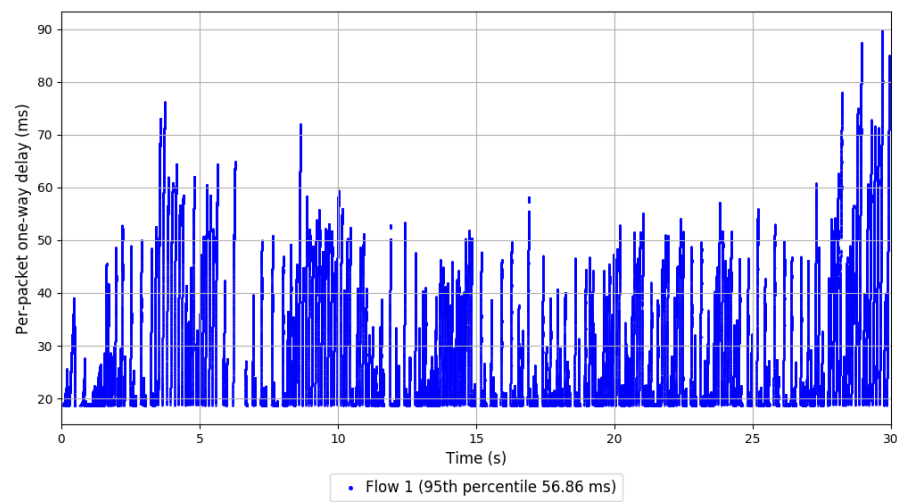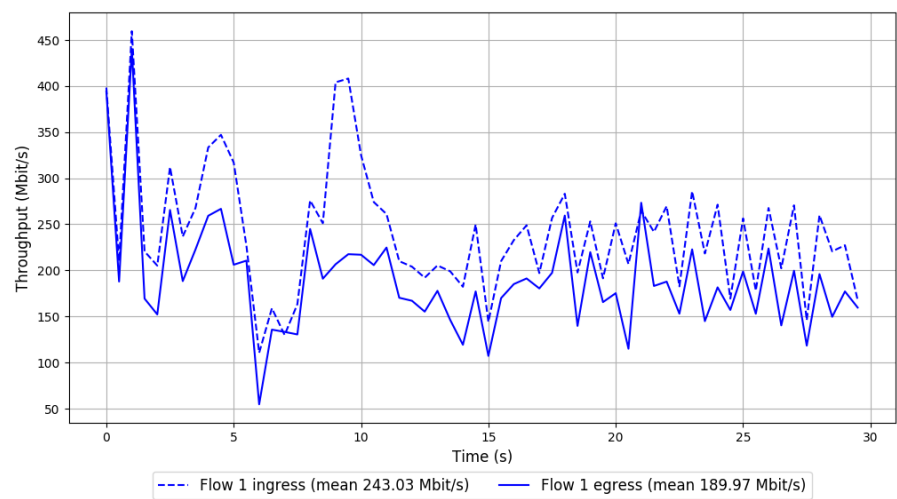
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2017-10-10 22:18:04
End at: 2017-10-10 22:18:34
Local clock offset: -0.545 ms
Remote clock offset: -0.189 ms


# Below is generated by plot.py at 2017-10-11 02:16:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.31 Mbit/s
95th percentile per-packet one-way delay: 51.026 ms
Loss rate: 29.16%
-- Flow 1:
Average throughput: 190.31 Mbit/s
95th percentile per-packet one-way delay: 51.026 ms
Loss rate: 29.16%
```
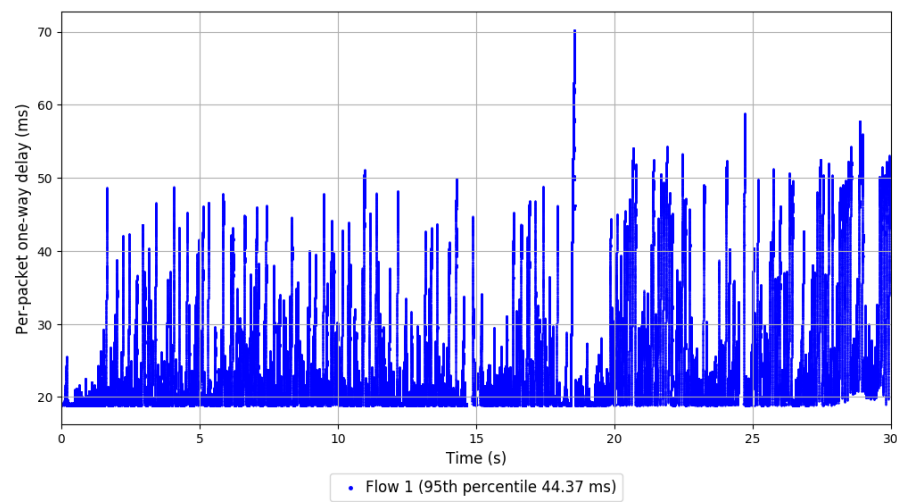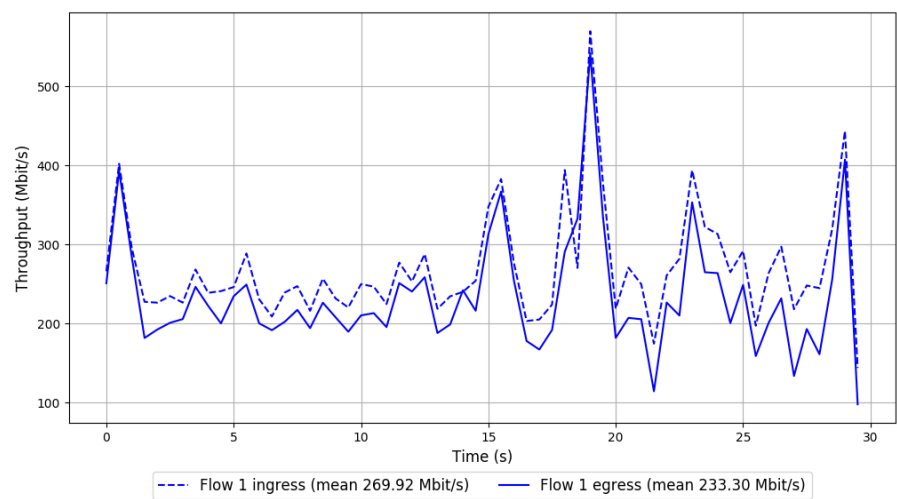
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2017-10-10 22:36:40
End at: 2017-10-10 22:37:10
Local clock offset: 0.247 ms
Remote clock offset: -0.104 ms


# Below is generated by plot.py at 2017-10-11 02:16:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 189.97 Mbit/s
95th percentile per-packet one-way delay: 56.863 ms
Loss rate: 21.66%
-- Flow 1:
Average throughput: 189.97 Mbit/s
95th percentile per-packet one-way delay: 56.863 ms
Loss rate: 21.66%
```

Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 243.03 Mbit/s)　　Flow 1 egress (mean 189.97 Mbit/s)

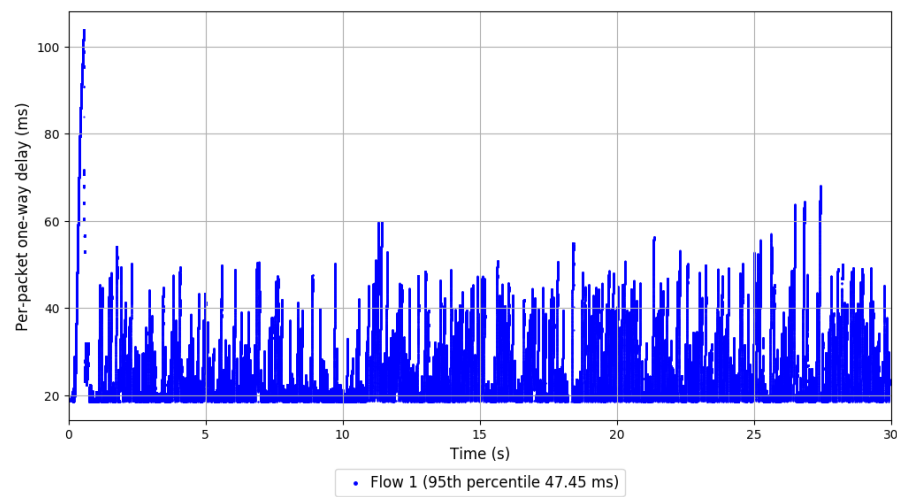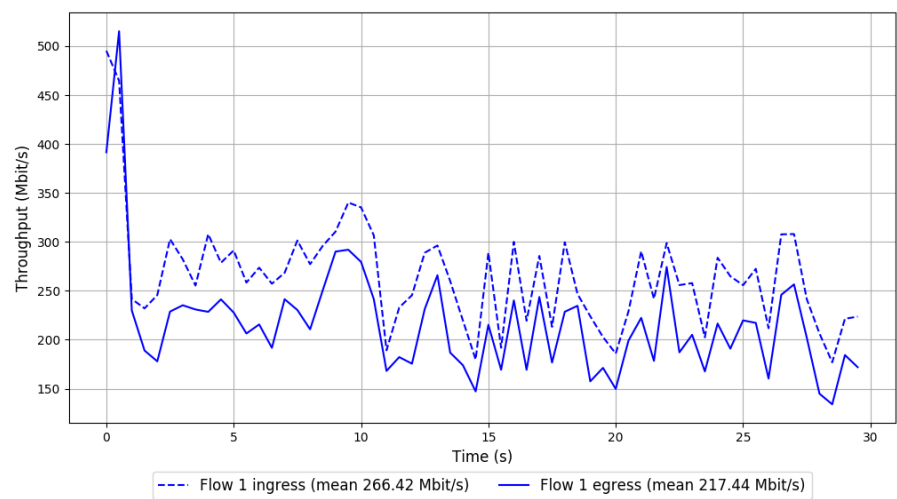Flow 1 (95th percentile 56.86 ms)

```
Run 7: Statistics of Verus

Start at: 2017-10-10 22:55:35
End at: 2017-10-10 22:56:05
Local clock offset: 0.544 ms
Remote clock offset: -0.104 ms


# Below is generated by plot.py at 2017-10-11 02:17:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.30 Mbit/s
95th percentile per-packet one-way delay: 44.368 ms
Loss rate: 13.49%
-- Flow 1:
Average throughput: 233.30 Mbit/s
95th percentile per-packet one-way delay: 44.368 ms
Loss rate: 13.49%
```
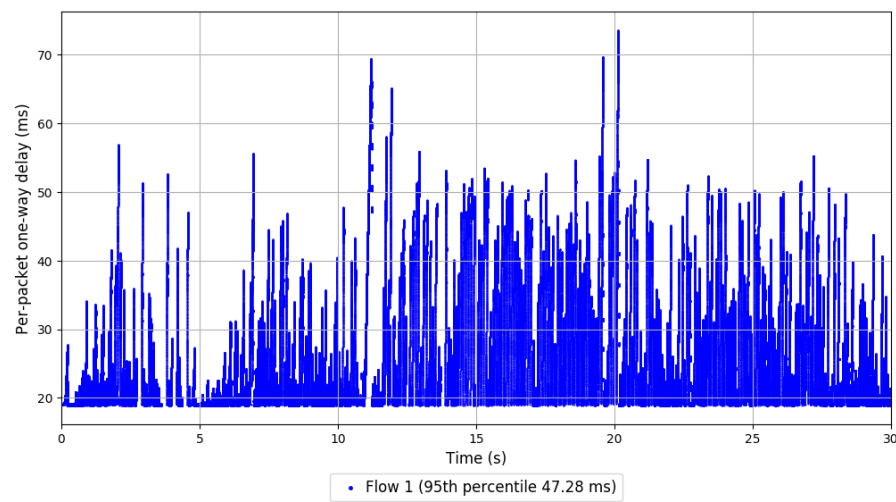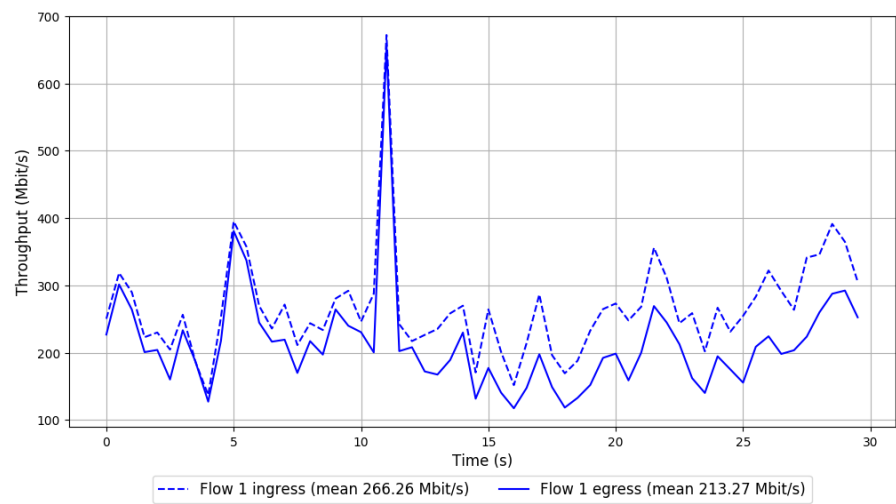
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2017-10-10 23:14:27
End at: 2017-10-10 23:14:57
Local clock offset: 0.824 ms
Remote clock offset: -0.165 ms


# Below is generated by plot.py at 2017-10-11 02:17:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.44 Mbit/s
95th percentile per-packet one-way delay: 47.451 ms
Loss rate: 18.37%
-- Flow 1:
Average throughput: 217.44 Mbit/s
95th percentile per-packet one-way delay: 47.451 ms
Loss rate: 18.37%
```
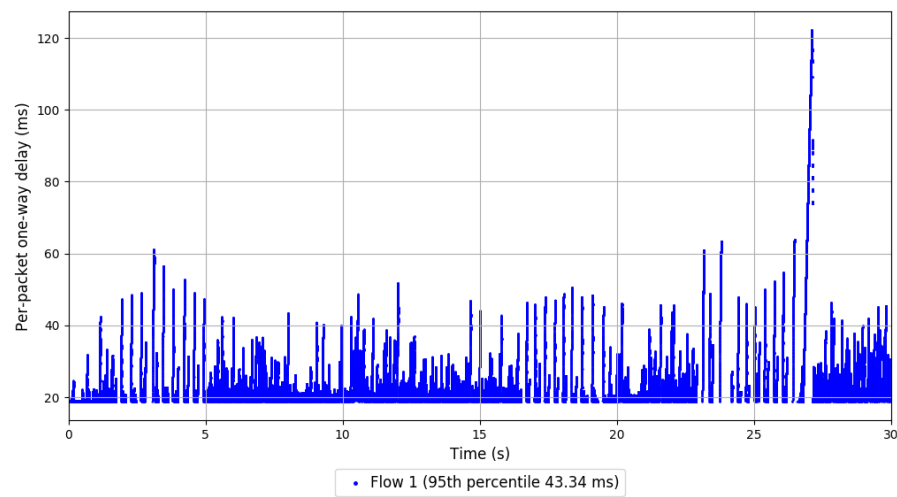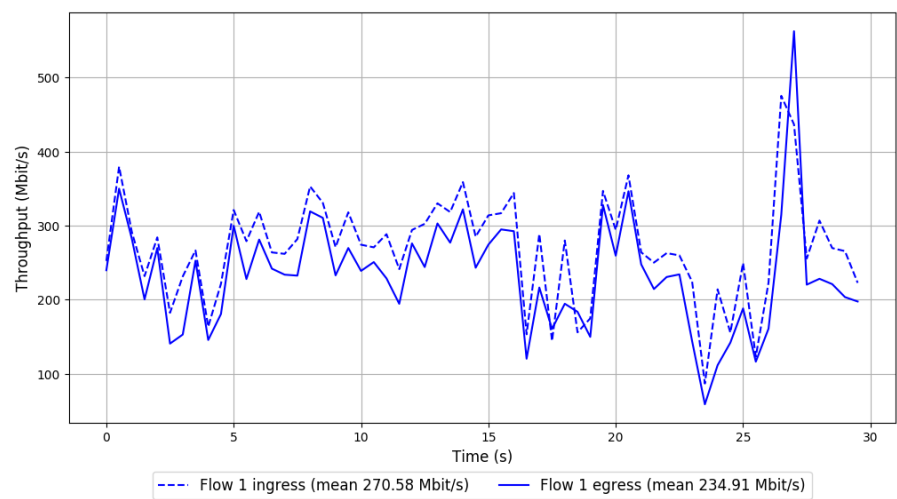
Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 266.42 Mbit/s)   Flow 1 egress (mean 217.44 Mbit/s)

Flow 1 (95th percentile 47.45 ms)

```
Run 9: Statistics of Verus

Start at: 2017-10-10 23:33:31
End at: 2017-10-10 23:34:01
Local clock offset: 0.802 ms
Remote clock offset: -0.398 ms


# Below is generated by plot.py at 2017-10-11 02:18:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.27 Mbit/s
95th percentile per-packet one-way delay: 47.282 ms
Loss rate: 19.90%
-- Flow 1:
Average throughput: 213.27 Mbit/s
95th percentile per-packet one-way delay: 47.282 ms
Loss rate: 19.90%
```

Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2017-10-10 23:52:17
End at: 2017-10-10 23:52:47
Local clock offset: 1.082 ms
Remote clock offset: -0.555 ms


# Below is generated by plot.py at 2017-10-11 02:19:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 234.91 Mbit/s
95th percentile per-packet one-way delay: 43.339 ms
Loss rate: 13.18%
-- Flow 1:
Average throughput: 234.91 Mbit/s
95th percentile per-packet one-way delay: 43.339 ms
Loss rate: 13.18%
```
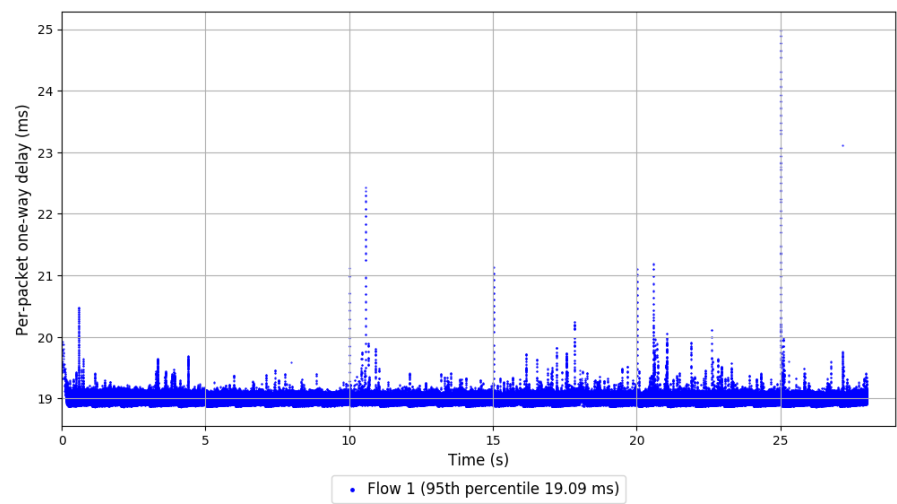
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Copa

Start at: 2017-10-10 21:03:34
End at: 2017-10-10 21:04:04
Local clock offset: -2.474 ms
Remote clock offset: 0.205 ms

# Below is generated by plot.py at 2017-10-11 02:19:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.52 Mbit/s
95th percentile per-packet one-way delay: 19.087 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 106.52 Mbit/s
95th percentile per-packet one-way delay: 19.087 ms
Loss rate: 0.01%
```
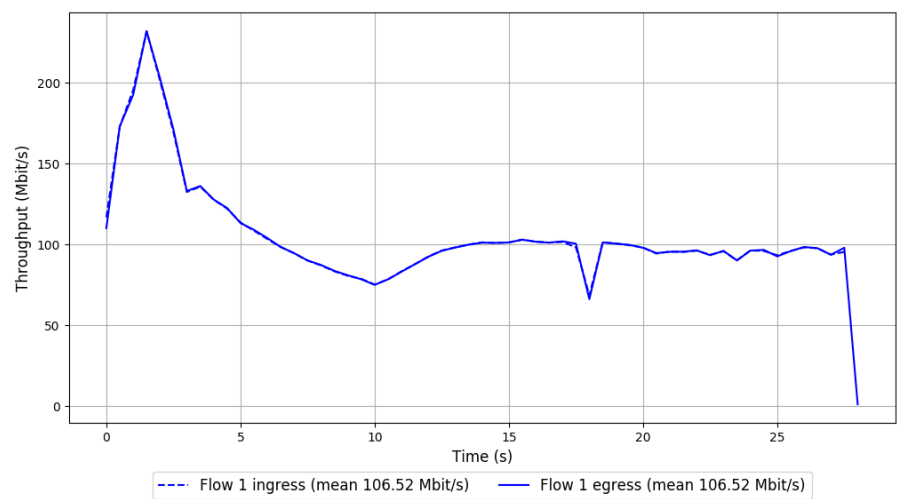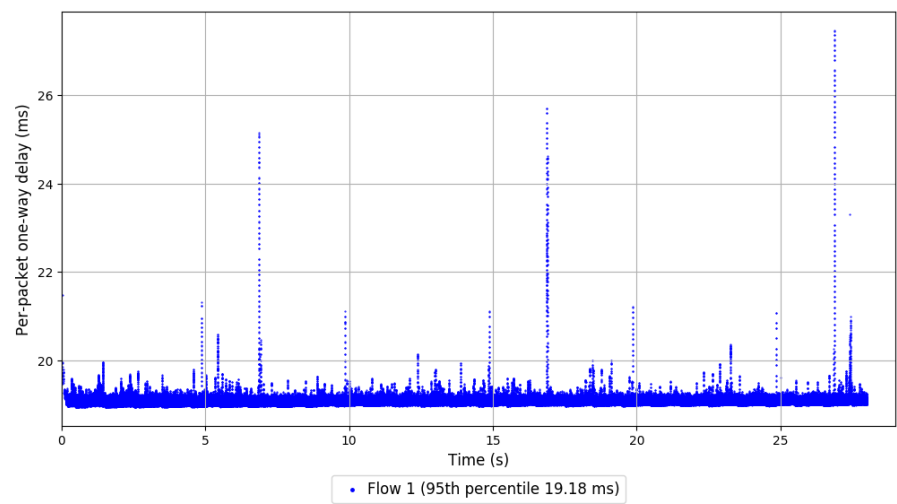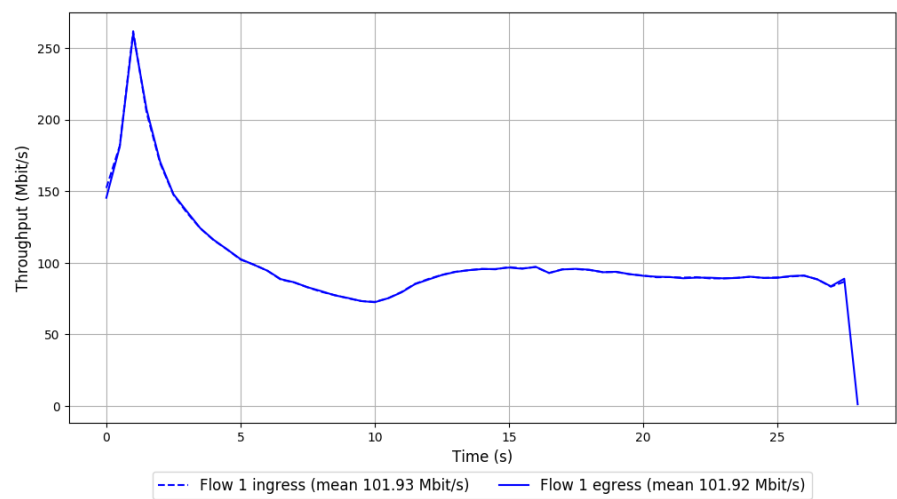
Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2017-10-10 21:22:58
End at: 2017-10-10 21:23:28
Local clock offset: -2.71 ms
Remote clock offset: 0.304 ms


# Below is generated by plot.py at 2017-10-11 02:19:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.92 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 101.92 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.02%
```
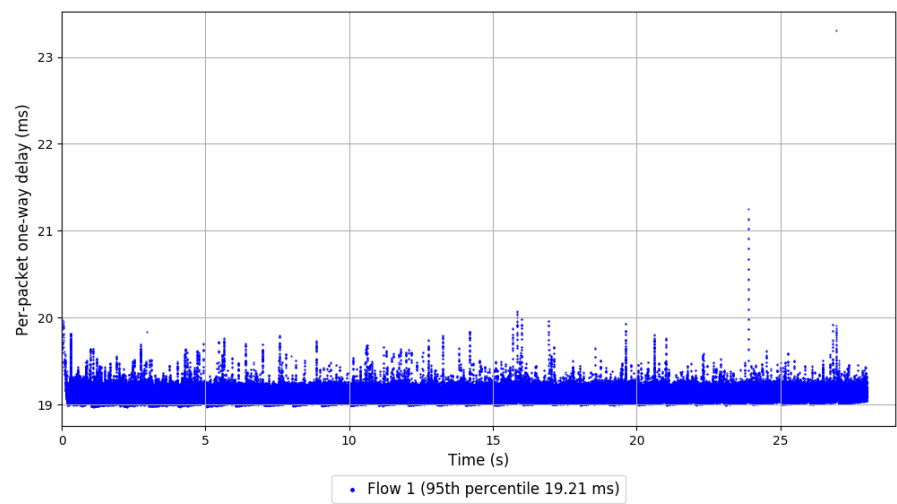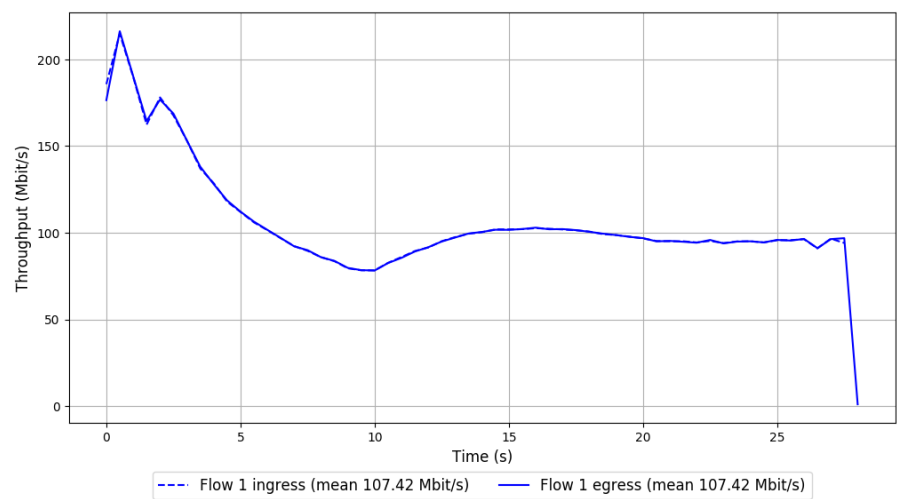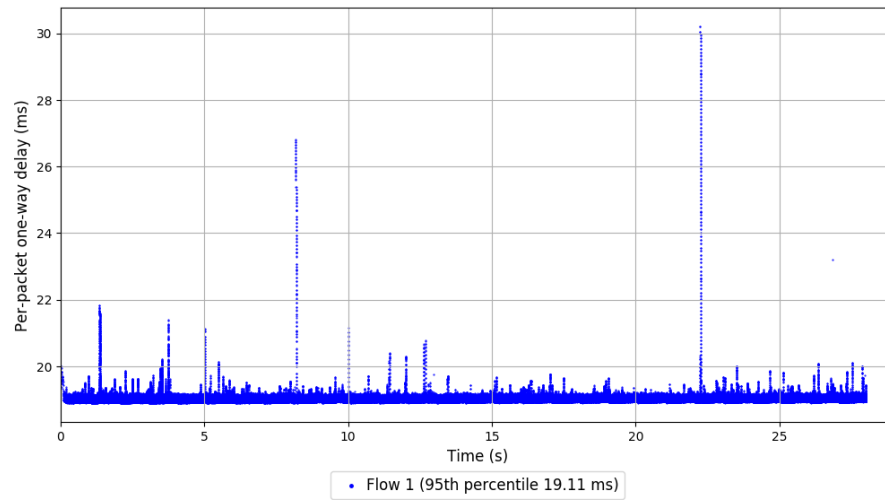
Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: 2017-10-10 21:41:48
End at: 2017-10-10 21:42:19
Local clock offset: -1.794 ms
Remote clock offset: 0.007 ms


# Below is generated by plot.py at 2017-10-11 02:19:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.42 Mbit/s
95th percentile per-packet one-way delay: 19.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.42 Mbit/s
95th percentile per-packet one-way delay: 19.208 ms
Loss rate: 0.00%
```

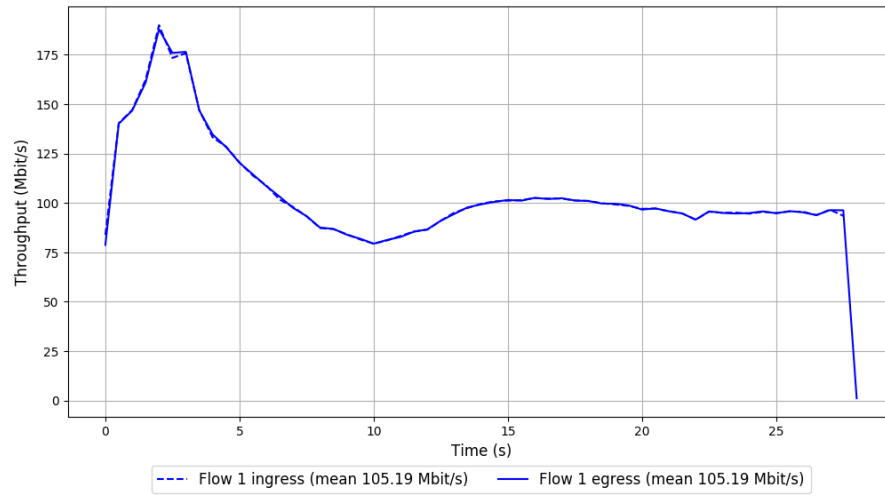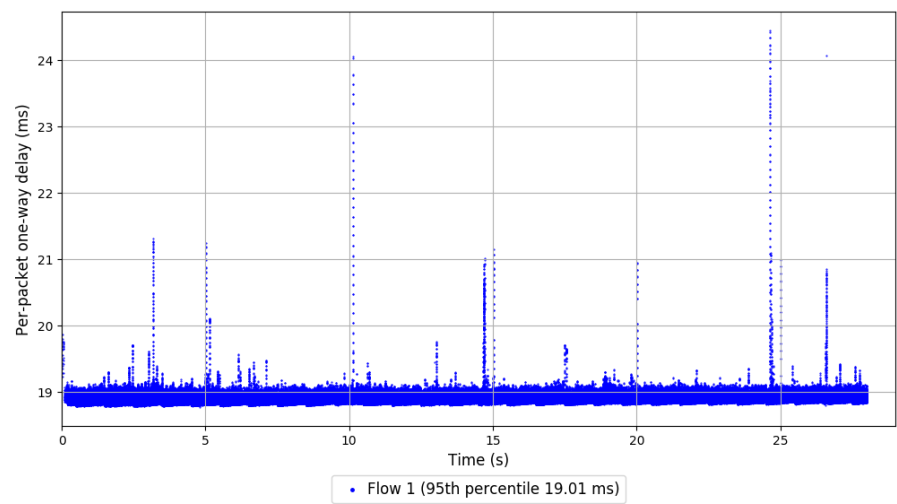Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2017-10-10 22:00:38
End at: 2017-10-10 22:01:08
Local clock offset: -1.082 ms
Remote clock offset: -0.068 ms


# Below is generated by plot.py at 2017-10-11 02:19:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.19 Mbit/s
95th percentile per-packet one-way delay: 19.115 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 105.19 Mbit/s
95th percentile per-packet one-way delay: 19.115 ms
Loss rate: 0.01%
```

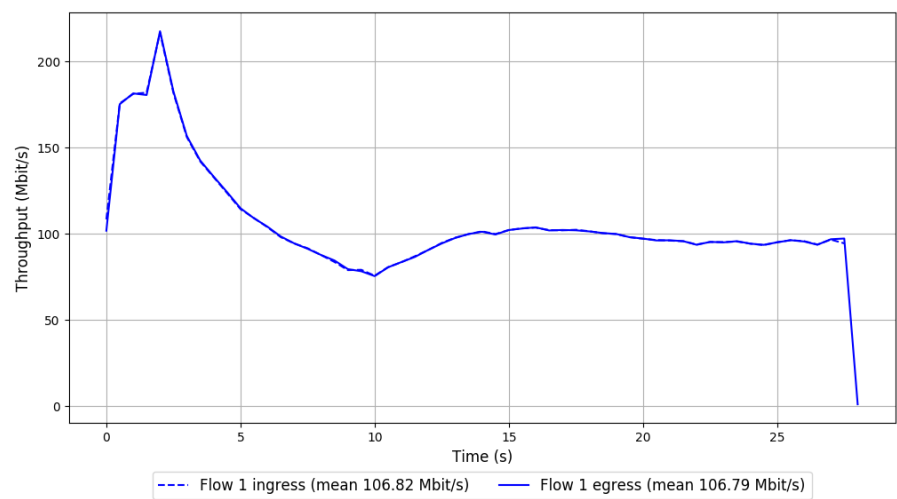Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2017-10-10 22:19:25
End at: 2017-10-10 22:19:55
Local clock offset: -0.48 ms
Remote clock offset: -0.113 ms


# Below is generated by plot.py at 2017-10-11 02:19:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.79 Mbit/s
95th percentile per-packet one-way delay: 19.008 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 106.79 Mbit/s
95th percentile per-packet one-way delay: 19.008 ms
Loss rate: 0.02%
```

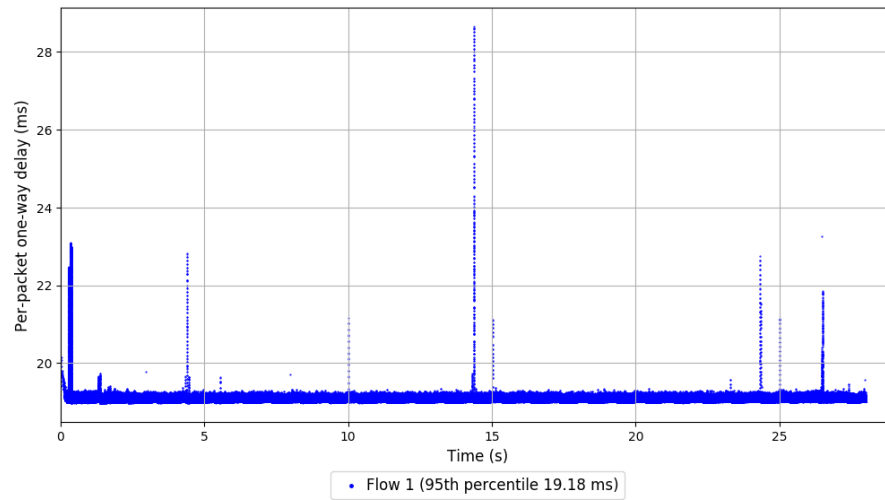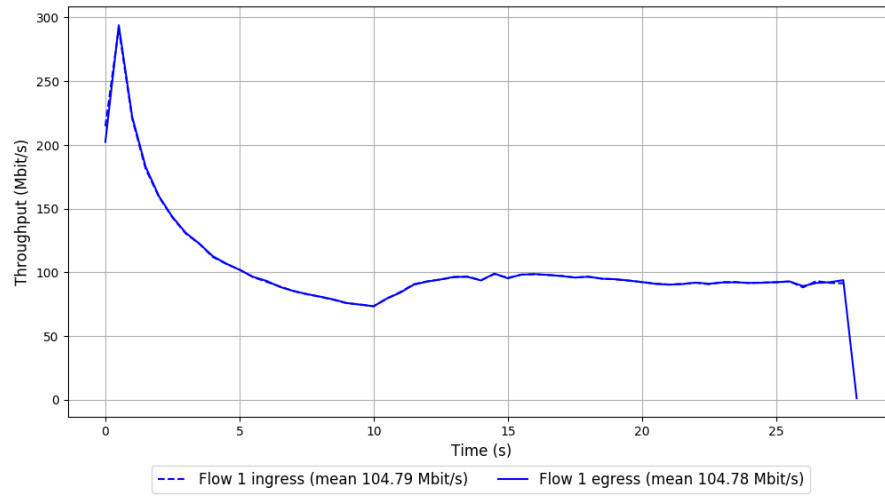Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2017-10-10 22:38:00
End at: 2017-10-10 22:38:30
Local clock offset: 0.164 ms
Remote clock offset: -0.015 ms


# Below is generated by plot.py at 2017-10-11 02:19:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.78 Mbit/s
95th percentile per-packet one-way delay: 19.184 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 104.78 Mbit/s
95th percentile per-packet one-way delay: 19.184 ms
Loss rate: 0.01%
```

Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 104.79 Mbit/s) — — — Flow 1 egress (mean 104.78 Mbit/s)

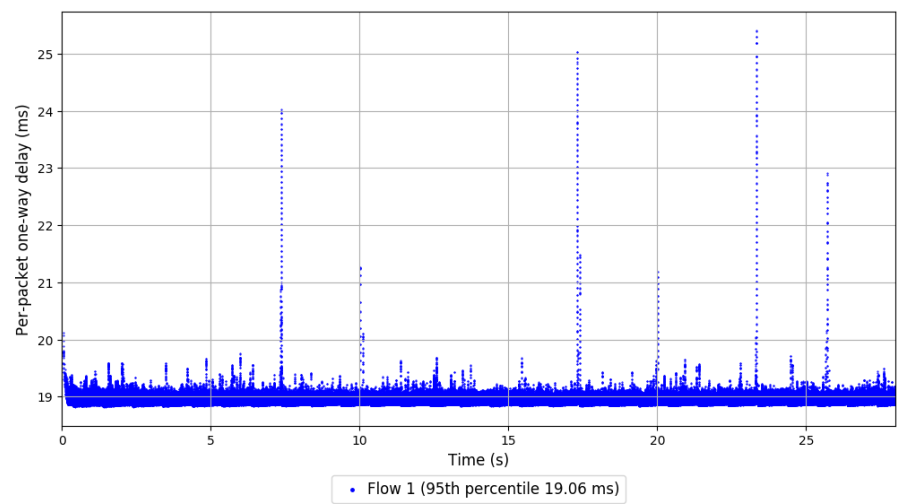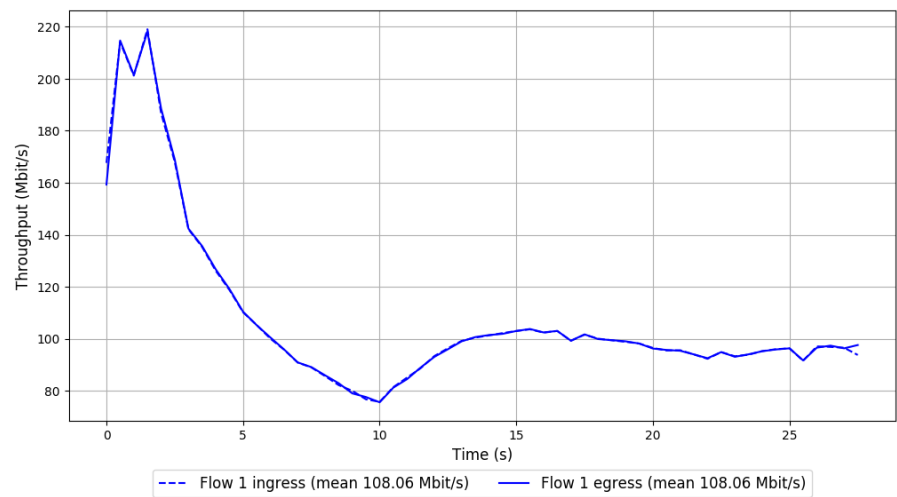Flow 1 (95th percentile 19.18 ms)

```
Run 7: Statistics of Copa

Start at: 2017-10-10 22:56:58
End at: 2017-10-10 22:57:28
Local clock offset: 0.57 ms
Remote clock offset: -0.052 ms


# Below is generated by plot.py at 2017-10-11 02:20:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.06 Mbit/s
95th percentile per-packet one-way delay: 19.062 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.06 Mbit/s
95th percentile per-packet one-way delay: 19.062 ms
Loss rate: 0.00%
```

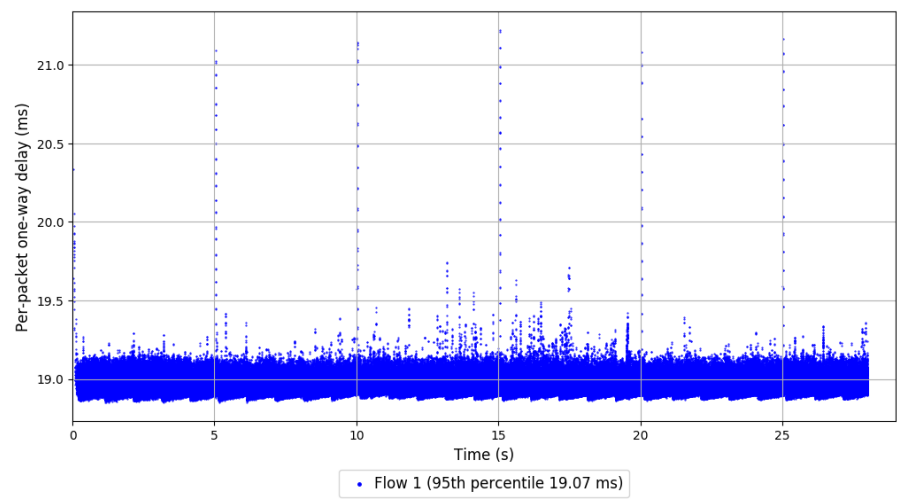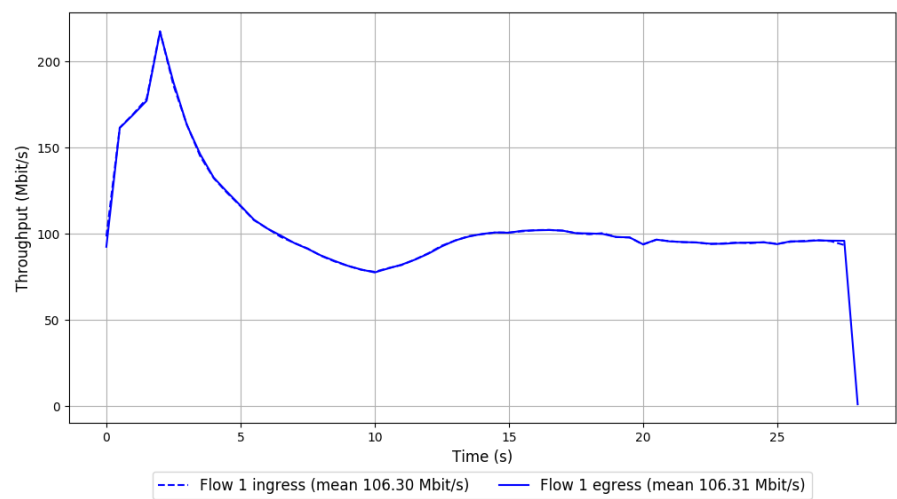# Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2017-10-10 23:15:49
End at: 2017-10-10 23:16:19
Local clock offset: 0.742 ms
Remote clock offset: -0.188 ms


# Below is generated by plot.py at 2017-10-11 02:21:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.31 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.31 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%
```

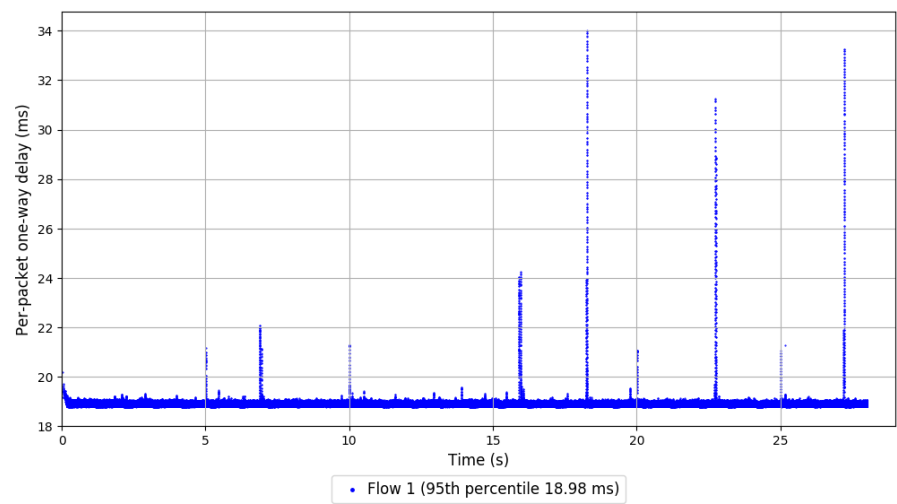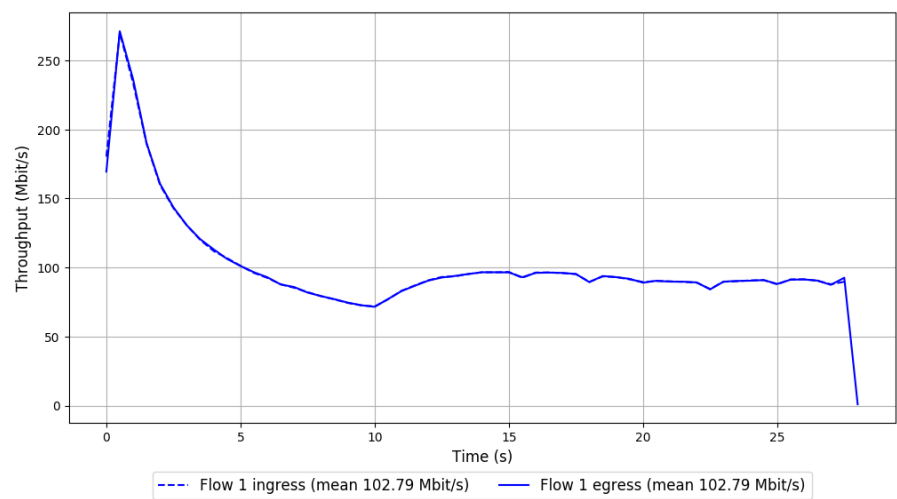Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2017-10-10 23:34:53
End at: 2017-10-10 23:35:23
Local clock offset: 0.895 ms
Remote clock offset: -0.403 ms


# Below is generated by plot.py at 2017-10-11 02:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.79 Mbit/s
95th percentile per-packet one-way delay: 18.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.79 Mbit/s
95th percentile per-packet one-way delay: 18.982 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2017-10-10 23:53:40
End at: 2017-10-10 23:54:10
Local clock offset: 1.219 ms
Remote clock offset: -0.548 ms


# Below is generated by plot.py at 2017-10-11 02:21:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.74 Mbit/s
95th percentile per-packet one-way delay: 17.325 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 108.74 Mbit/s
95th percentile per-packet one-way delay: 17.325 ms
Loss rate: 0.01%
```
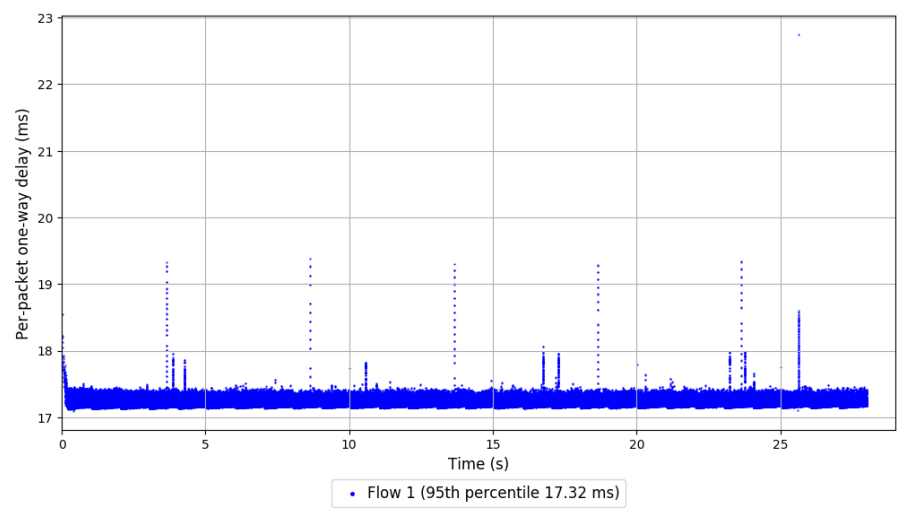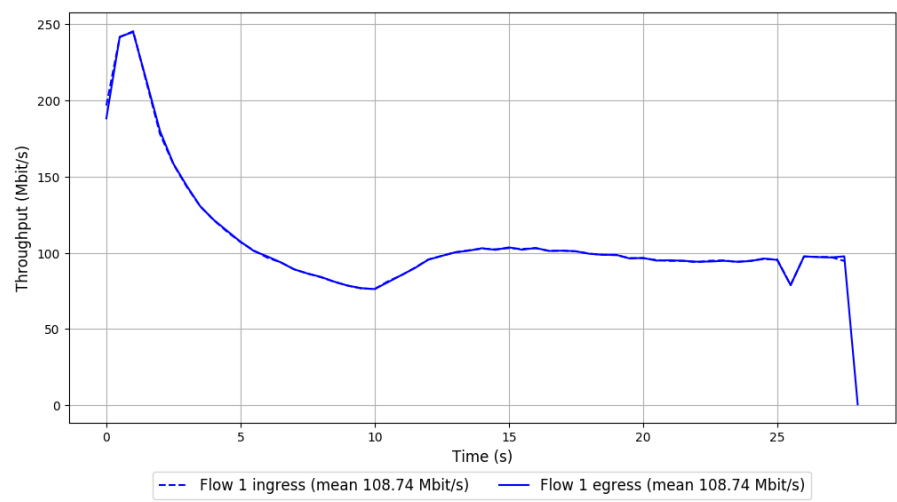
Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 108.74 Mbit/s)   Flow 1 egress (mean 108.74 Mbit/s)

Flow 1 (95th percentile 17.32 ms)

```
Run 1: Statistics of CalibratedKoho

Start at: 2017-10-10 20:59:23
End at: 2017-10-10 20:59:53
Local clock offset: -2.363 ms
Remote clock offset: 0.237 ms


# Below is generated by plot.py at 2017-10-11 02:26:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 594.24 Mbit/s
95th percentile per-packet one-way delay: 26.902 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 594.24 Mbit/s
95th percentile per-packet one-way delay: 26.902 ms
Loss rate: 0.14%
```
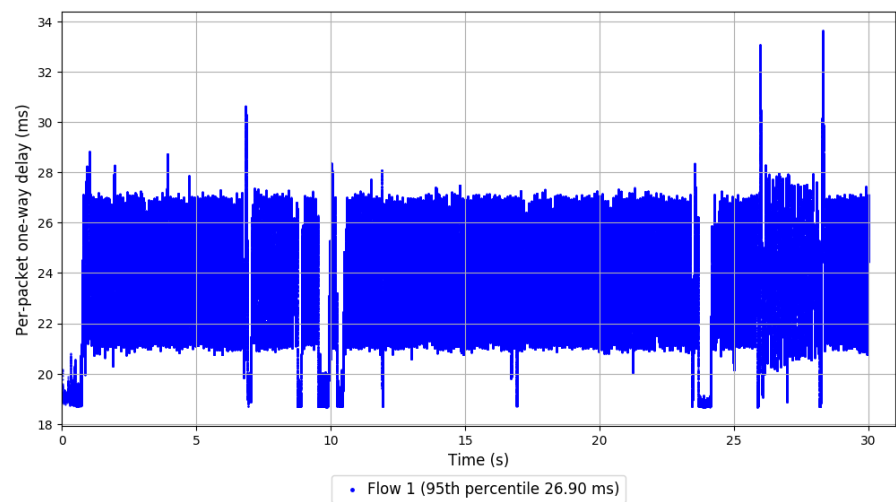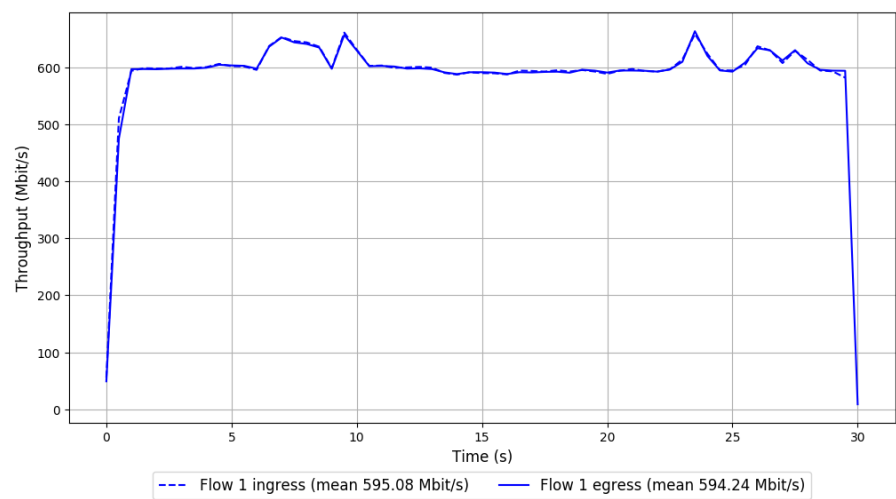
Run 1: Report of CalibratedKoho — Data Link

```
Run 2: Statistics of CalibratedKoho

Start at: 2017-10-10 21:18:40
End at: 2017-10-10 21:19:10
Local clock offset: -2.764 ms
Remote clock offset: 0.24 ms


# Below is generated by plot.py at 2017-10-11 02:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 688.54 Mbit/s
95th percentile per-packet one-way delay: 26.123 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 688.54 Mbit/s
95th percentile per-packet one-way delay: 26.123 ms
Loss rate: 0.05%
```
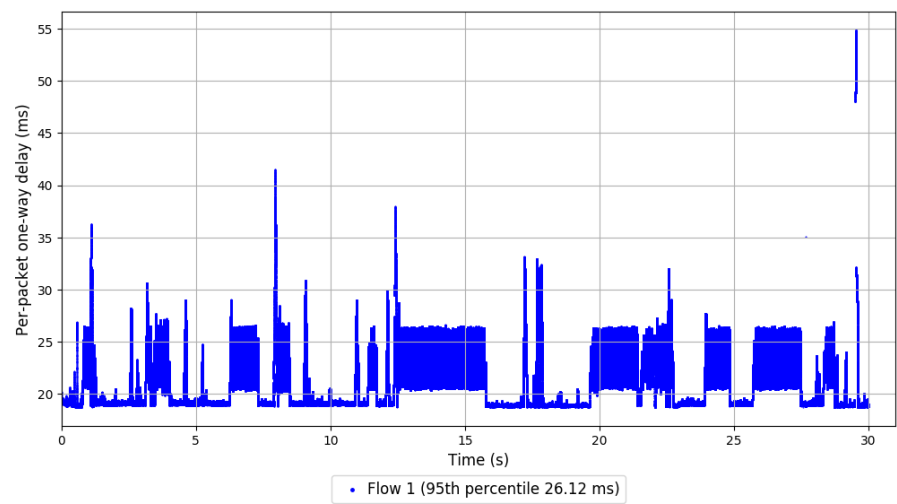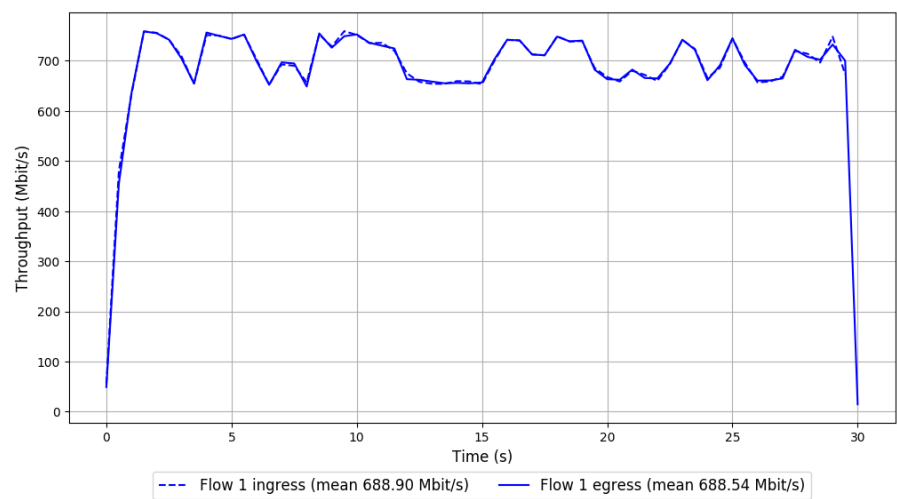
Run 2: Report of CalibratedKoho — Data Link

```
Run 3: Statistics of CalibratedKoho

Start at: 2017-10-10 21:37:33
End at: 2017-10-10 21:38:03
Local clock offset: -1.974 ms
Remote clock offset: 0.041 ms


# Below is generated by plot.py at 2017-10-11 02:28:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 650.50 Mbit/s
95th percentile per-packet one-way delay: 28.419 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 650.50 Mbit/s
95th percentile per-packet one-way delay: 28.419 ms
Loss rate: 0.03%
```
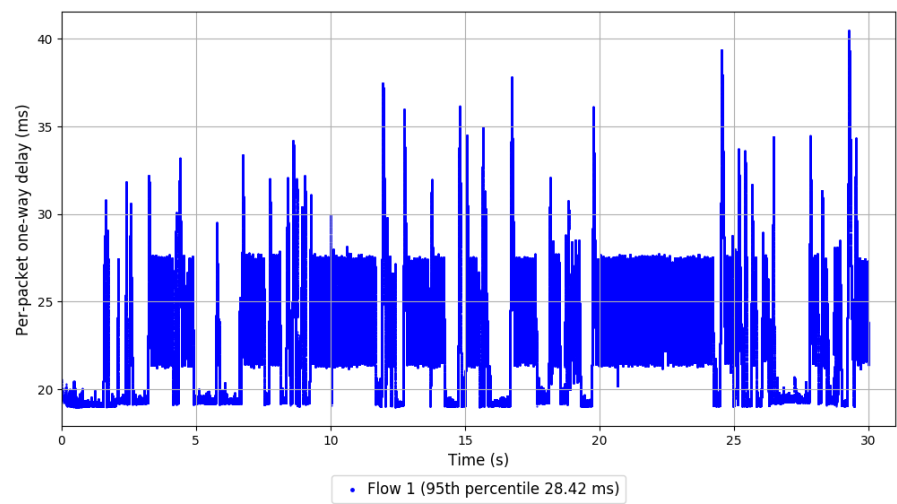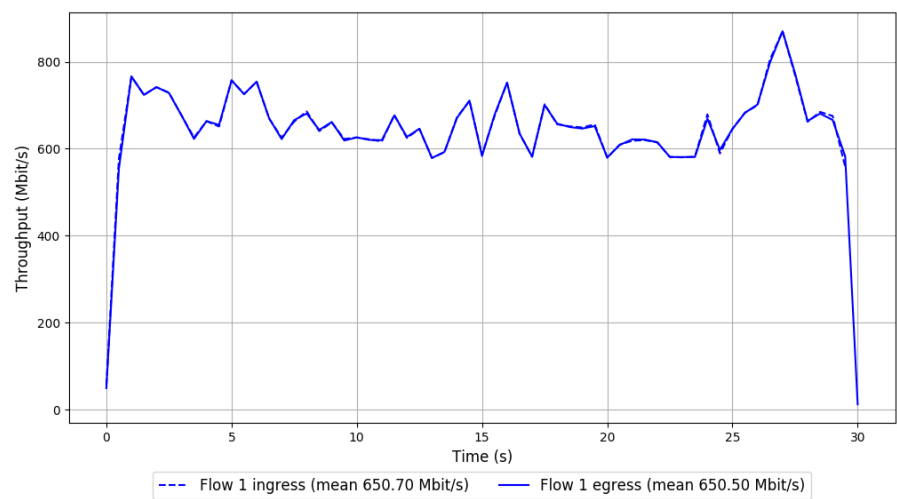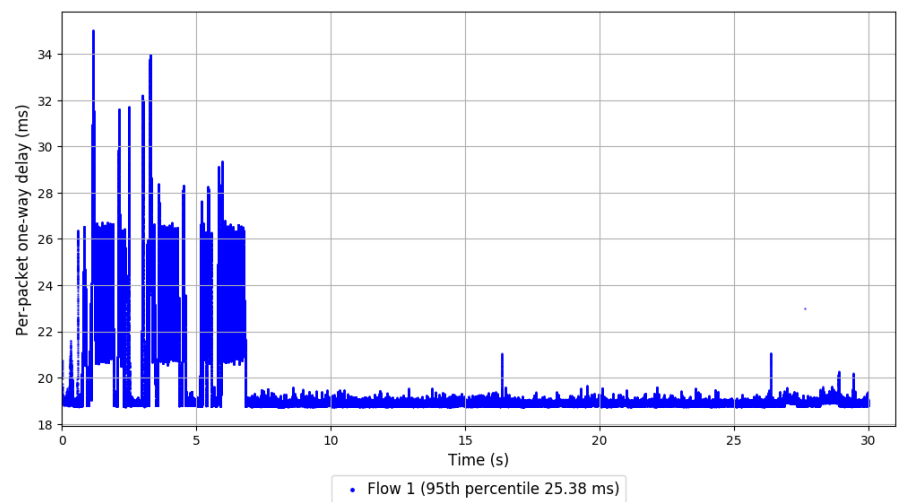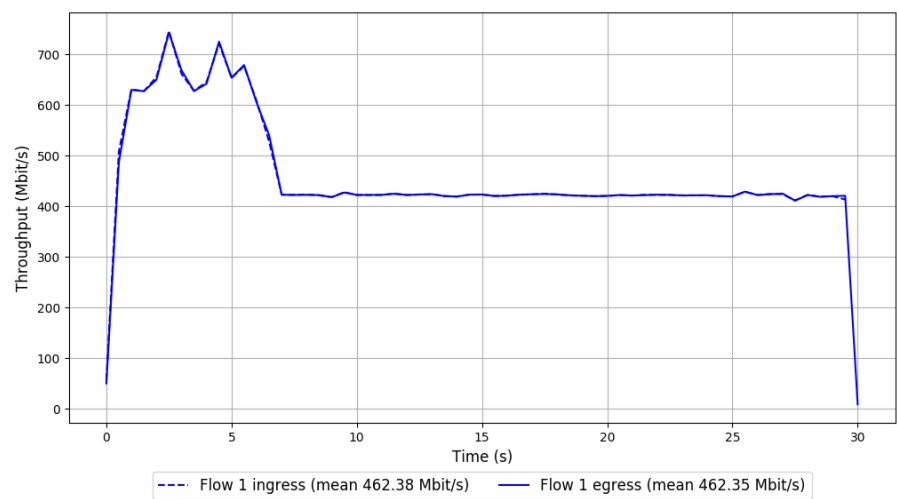
Run 3: Report of CalibratedKoho — Data Link

```
Run 4: Statistics of CalibratedKoho

Start at: 2017-10-10 21:56:33
End at: 2017-10-10 21:57:03
Local clock offset: -1.225 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2017-10-11 02:28:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 462.35 Mbit/s
95th percentile per-packet one-way delay: 25.378 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 462.35 Mbit/s
95th percentile per-packet one-way delay: 25.378 ms
Loss rate: 0.01%
```

Run 4: Report of CalibratedKoho — Data Link

```
Run 5: Statistics of CalibratedKoho

Start at: 2017-10-10 22:15:11
End at: 2017-10-10 22:15:41
Local clock offset: -0.602 ms
Remote clock offset: -0.18 ms


# Below is generated by plot.py at 2017-10-11 02:29:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 630.76 Mbit/s
95th percentile per-packet one-way delay: 26.557 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 630.76 Mbit/s
95th percentile per-packet one-way delay: 26.557 ms
Loss rate: 0.05%
```
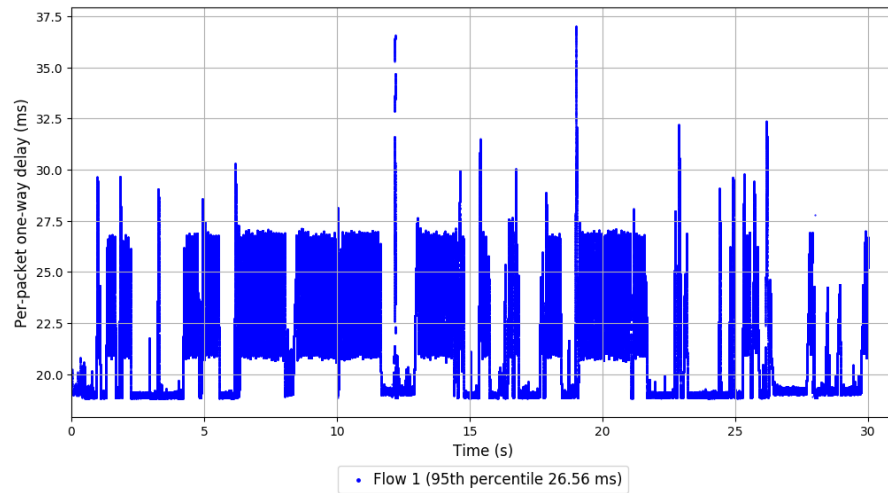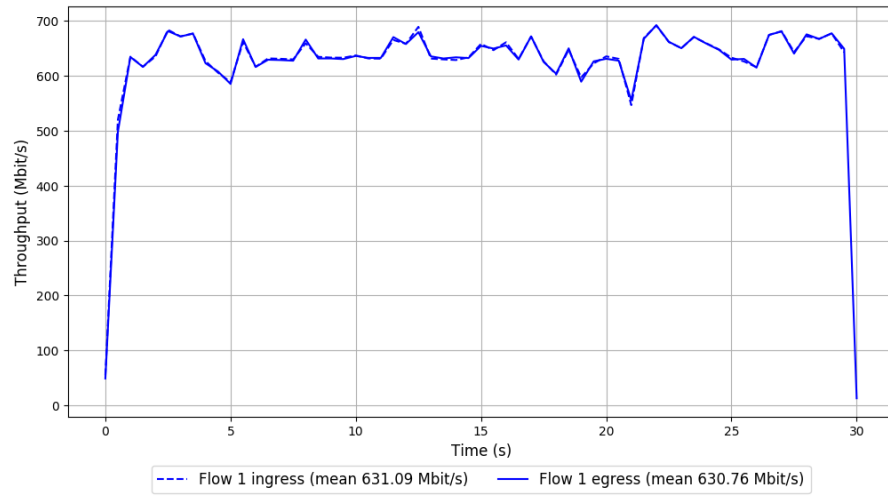
Run 5: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 631.09 Mbit/s) --- Flow 1 egress (mean 630.76 Mbit/s)
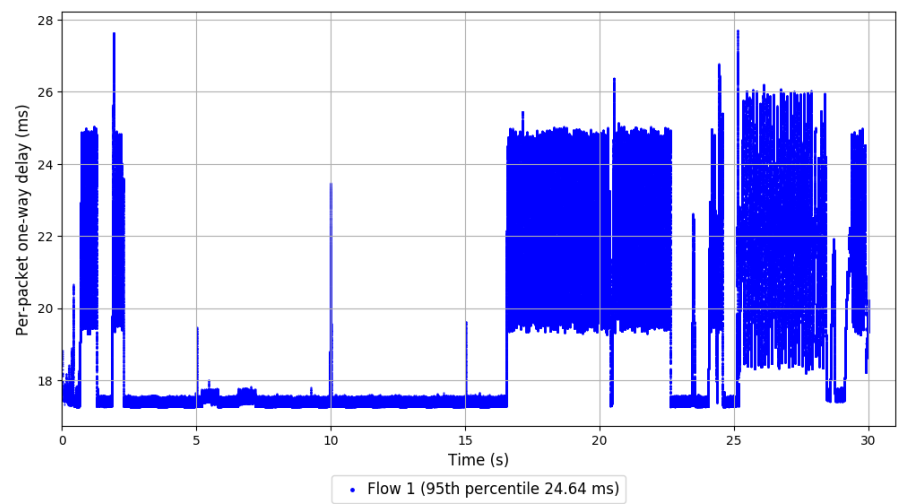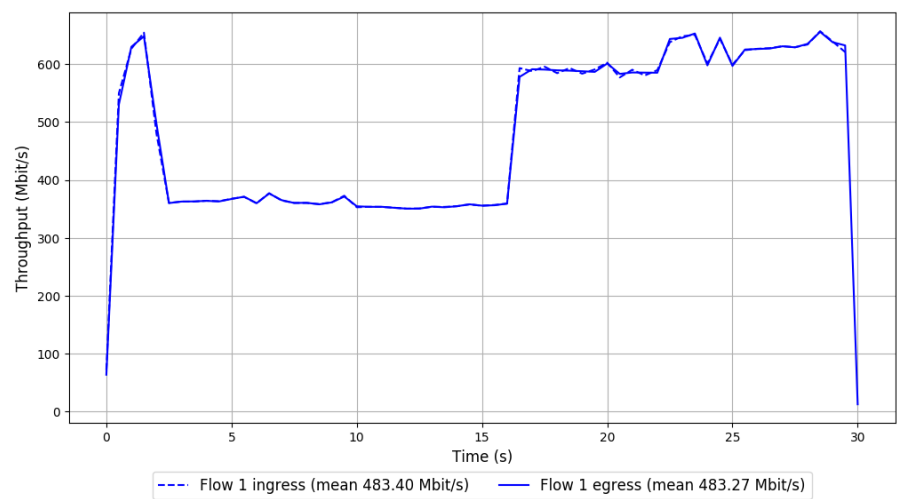

Flow 1 (95th percentile 26.56 ms)

```
Run 6: Statistics of CalibratedKoho

Start at: 2017-10-10 22:33:54
End at: 2017-10-10 22:34:24
Local clock offset: 0.124 ms
Remote clock offset: -0.125 ms


# Below is generated by plot.py at 2017-10-11 02:29:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 483.27 Mbit/s
95th percentile per-packet one-way delay: 24.644 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 483.27 Mbit/s
95th percentile per-packet one-way delay: 24.644 ms
Loss rate: 0.02%
```

Run 6: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 483.40 Mbit/s)   Flow 1 egress (mean 483.27 Mbit/s)
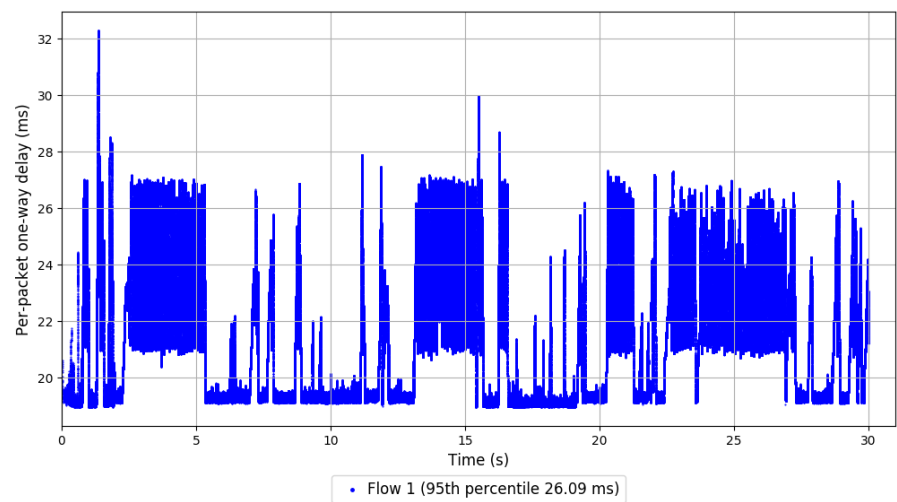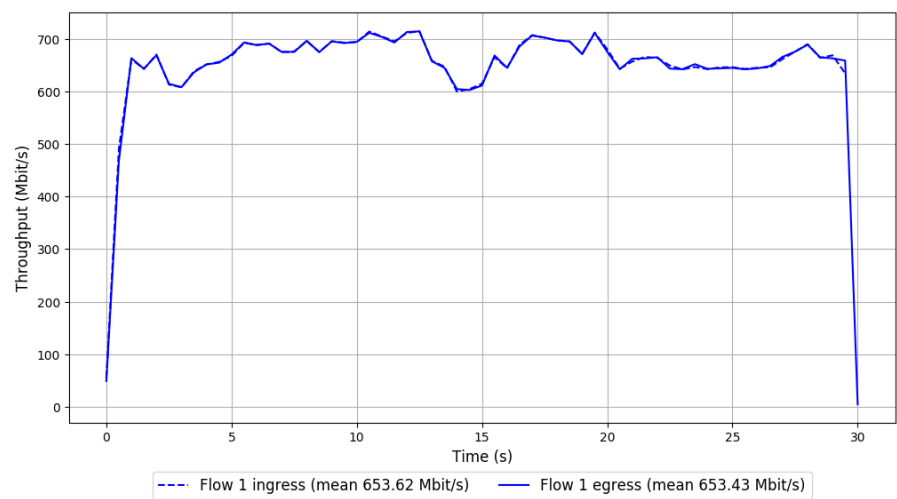

• Flow 1 (95th percentile 24.64 ms)

```
Run 7: Statistics of CalibratedKoho

Start at: 2017-10-10 22:52:40
End at: 2017-10-10 22:53:10
Local clock offset: 0.381 ms
Remote clock offset: -0.094 ms


# Below is generated by plot.py at 2017-10-11 02:29:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 653.43 Mbit/s
95th percentile per-packet one-way delay: 26.087 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 653.43 Mbit/s
95th percentile per-packet one-way delay: 26.087 ms
Loss rate: 0.03%
```

Run 7: Report of CalibratedKoho — Data Link

```
Run 8: Statistics of CalibratedKoho

Start at: 2017-10-10 23:11:34
End at: 2017-10-10 23:12:04
Local clock offset: 0.714 ms
Remote clock offset: -0.12 ms


# Below is generated by plot.py at 2017-10-11 02:29:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 612.44 Mbit/s
95th percentile per-packet one-way delay: 26.461 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 612.44 Mbit/s
95th percentile per-packet one-way delay: 26.461 ms
Loss rate: 0.01%
```
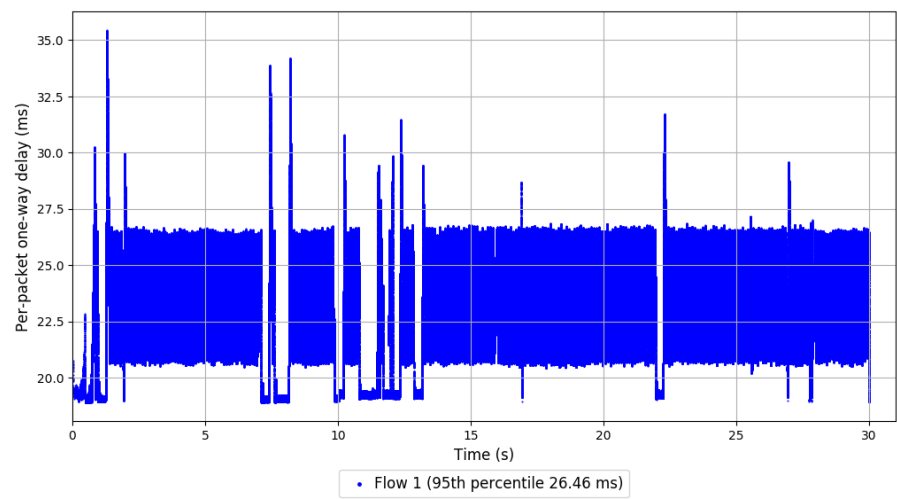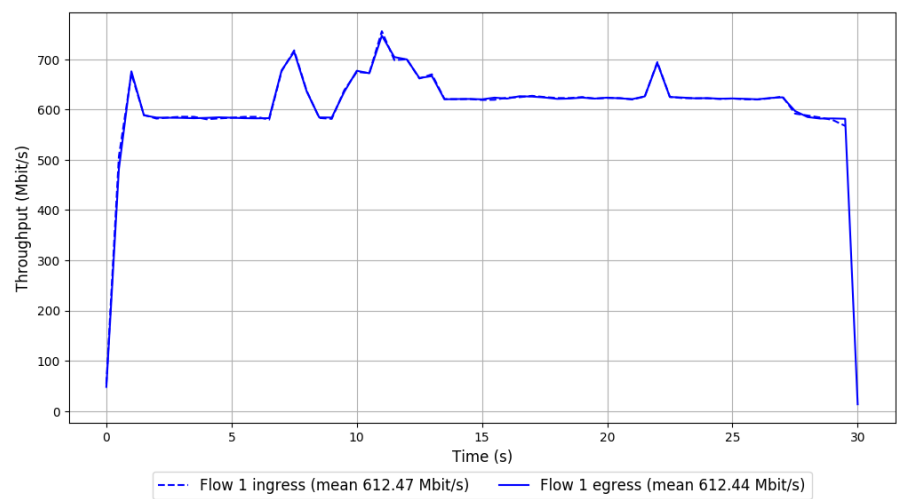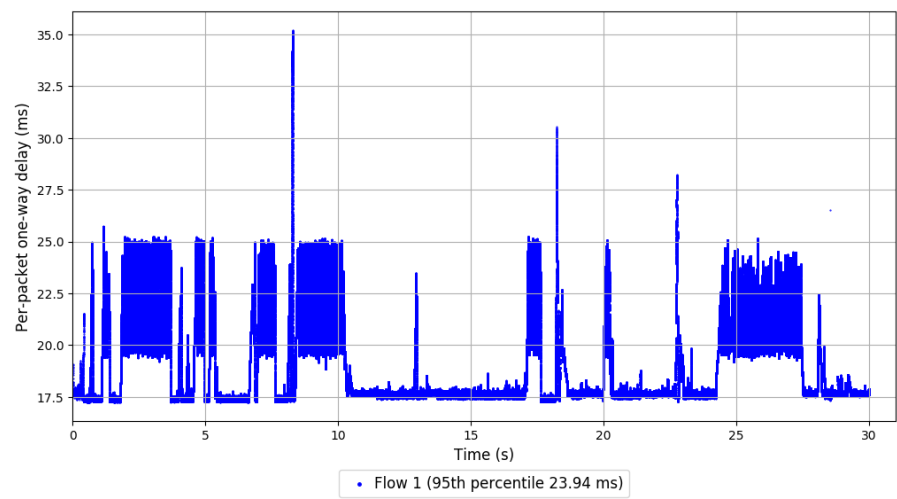
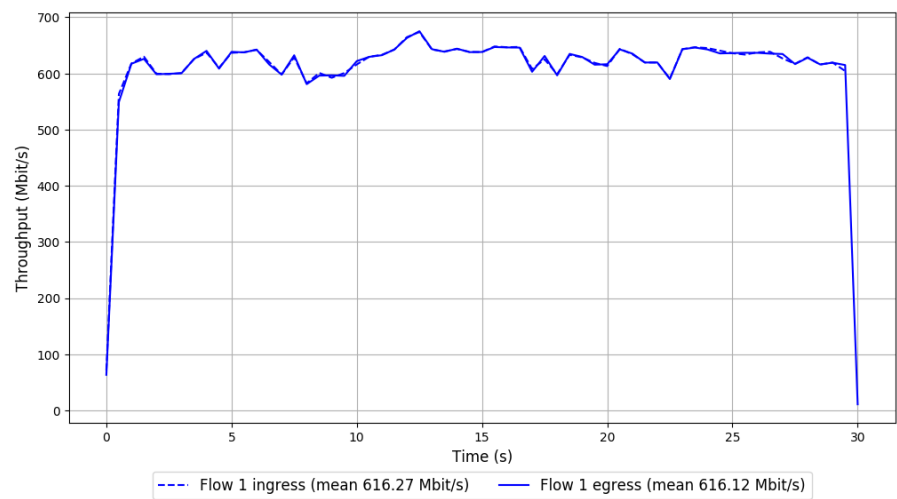Run 8: Report of CalibratedKoho — Data Link

```
Run 9: Statistics of CalibratedKoho

Start at: 2017-10-10 23:30:39
End at: 2017-10-10 23:31:09
Local clock offset: 0.887 ms
Remote clock offset: -0.259 ms


# Below is generated by plot.py at 2017-10-11 02:34:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 616.12 Mbit/s
95th percentile per-packet one-way delay: 23.941 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 616.12 Mbit/s
95th percentile per-packet one-way delay: 23.941 ms
Loss rate: 0.02%
```

Run 9: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 616.27 Mbit/s)   Flow 1 egress (mean 616.12 Mbit/s)
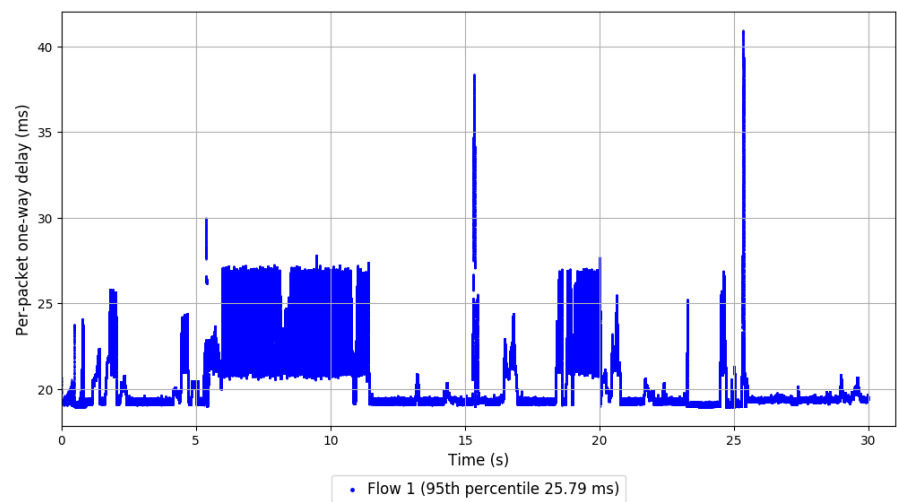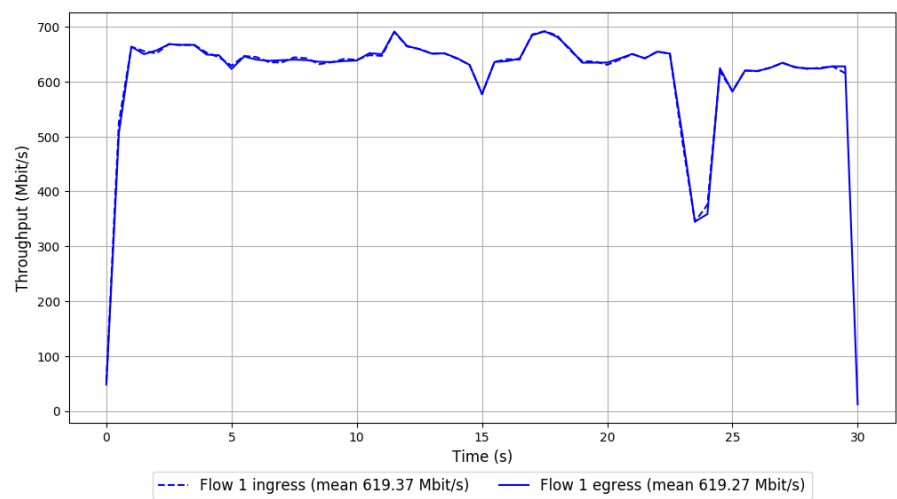

Flow 1 (95th percentile 23.94 ms)

```
Run 10: Statistics of CalibratedKoho

Start at: 2017-10-10 23:49:25
End at: 2017-10-10 23:49:55
Local clock offset: 0.983 ms
Remote clock offset: -0.554 ms


# Below is generated by plot.py at 2017-10-11 02:34:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 619.27 Mbit/s
95th percentile per-packet one-way delay: 25.787 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 619.27 Mbit/s
95th percentile per-packet one-way delay: 25.787 ms
Loss rate: 0.02%
```
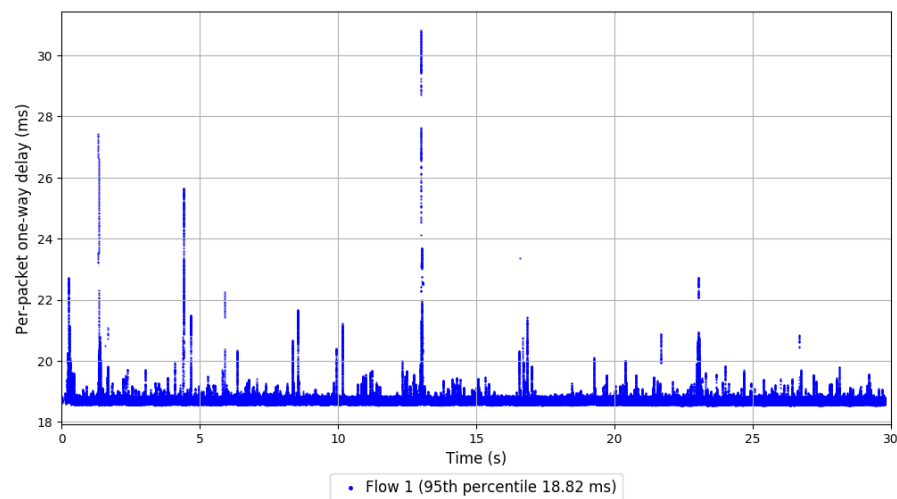
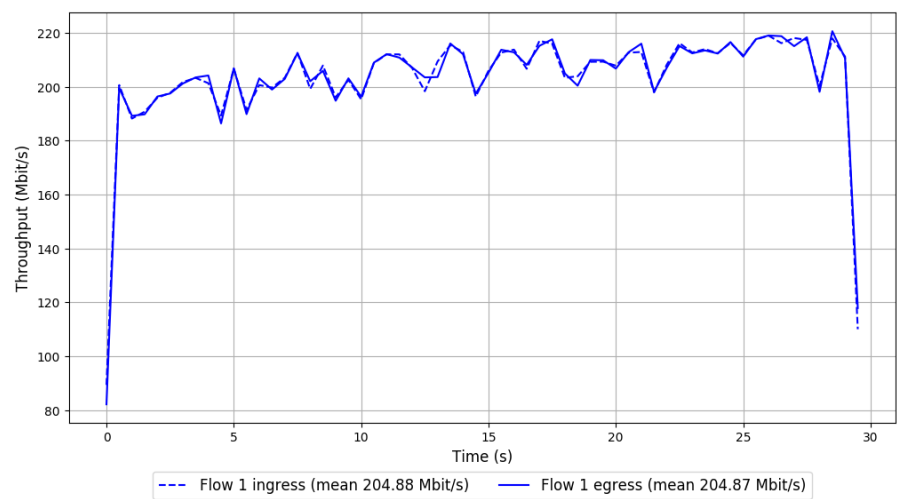Run 10: Report of CalibratedKoho — Data Link

```
Run 1: Statistics of Indigo

Start at: 2017-10-10 20:51:24
End at: 2017-10-10 20:51:54
Local clock offset: -2.046 ms
Remote clock offset: 0.277 ms

# Below is generated by plot.py at 2017-10-11 02:34:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.87 Mbit/s
95th percentile per-packet one-way delay: 18.815 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 204.87 Mbit/s
95th percentile per-packet one-way delay: 18.815 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2017-10-10 21:10:10
End at: 2017-10-10 21:10:40
Local clock offset: -2.48 ms
Remote clock offset: 0.147 ms

# Below is generated by plot.py at 2017-10-11 02:34:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.47 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 199.47 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.19%
```
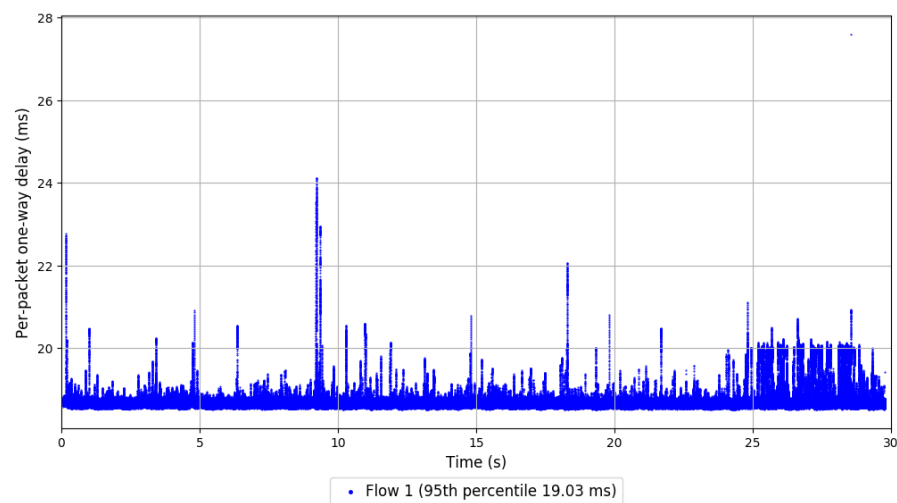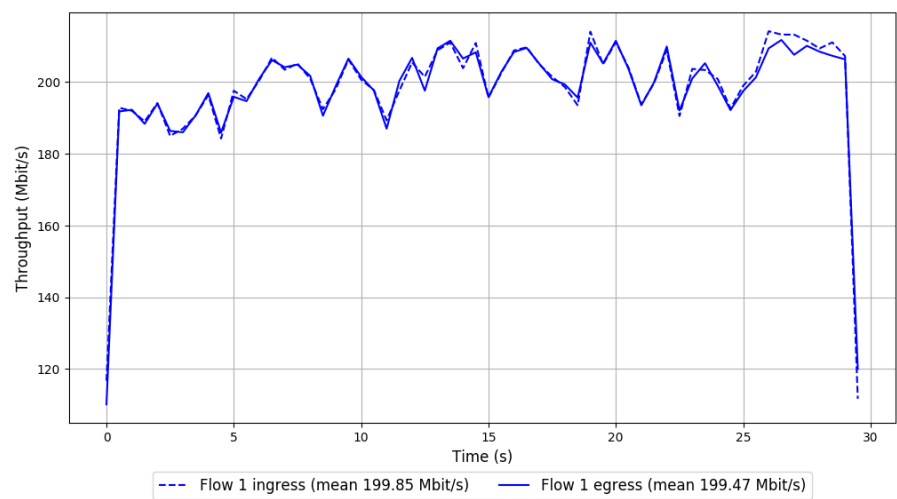
Run 2: Report of Indigo — Data Link

Flow 1 ingress (mean 199.85 Mbit/s)   Flow 1 egress (mean 199.47 Mbit/s)

Flow 1 (95th percentile 19.03 ms)

```
Run 3: Statistics of Indigo

Start at: 2017-10-10 21:29:35
End at: 2017-10-10 21:30:05
Local clock offset: -2.423 ms
Remote clock offset: 0.104 ms


# Below is generated by plot.py at 2017-10-11 02:34:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.82 Mbit/s
95th percentile per-packet one-way delay: 19.209 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.82 Mbit/s
95th percentile per-packet one-way delay: 19.209 ms
Loss rate: 0.00%
```
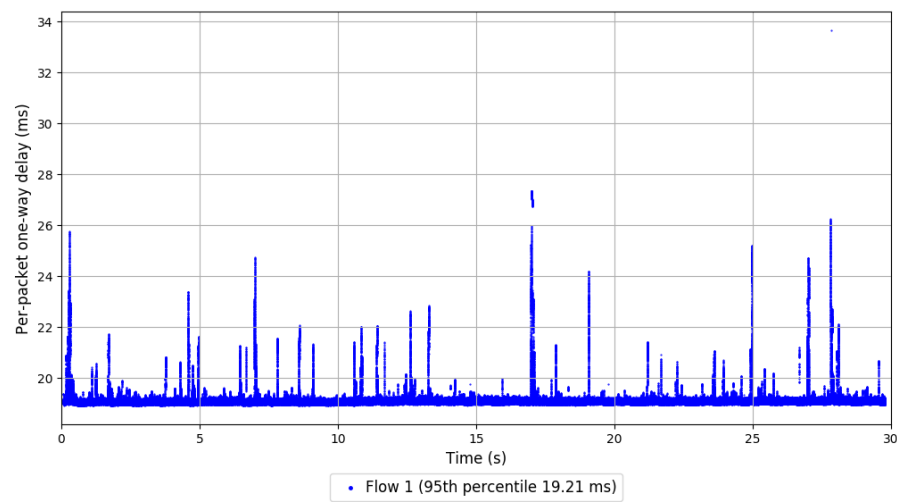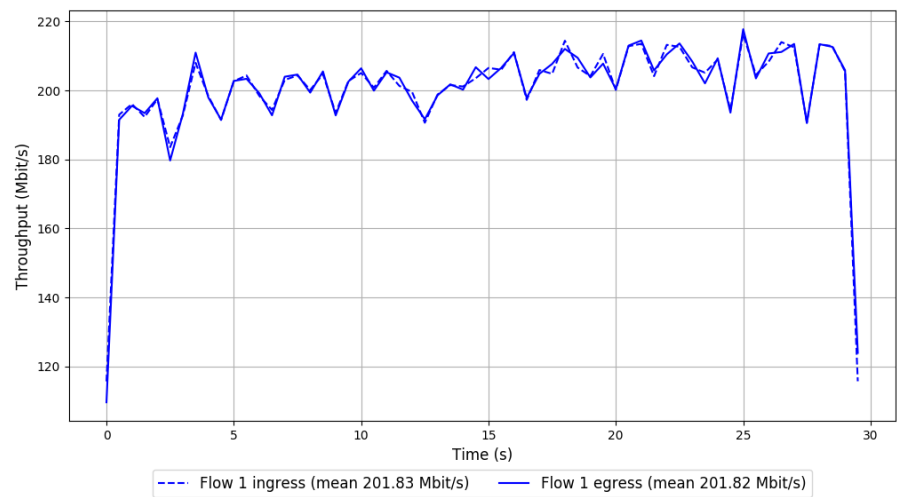
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2017-10-10 21:48:30
End at: 2017-10-10 21:49:00
Local clock offset: -1.524 ms
Remote clock offset: 0.029 ms


# Below is generated by plot.py at 2017-10-11 02:34:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.24 Mbit/s
95th percentile per-packet one-way delay: 19.100 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 204.24 Mbit/s
95th percentile per-packet one-way delay: 19.100 ms
Loss rate: 0.01%
```
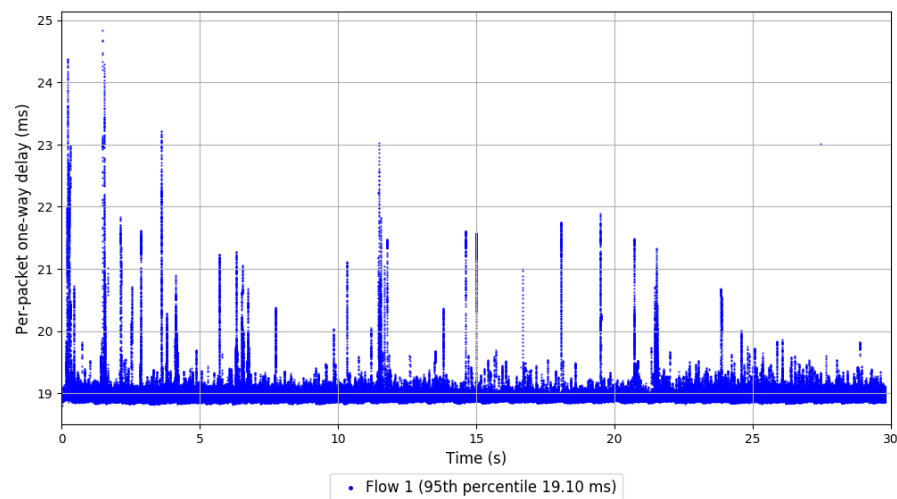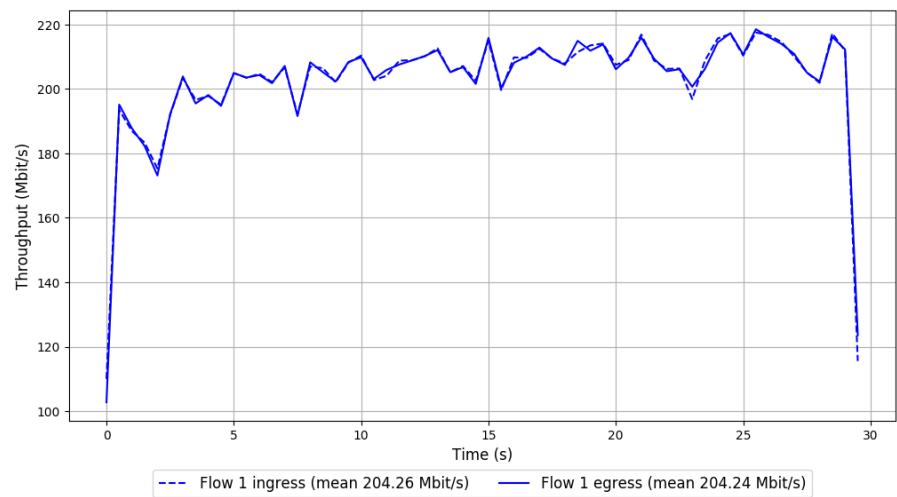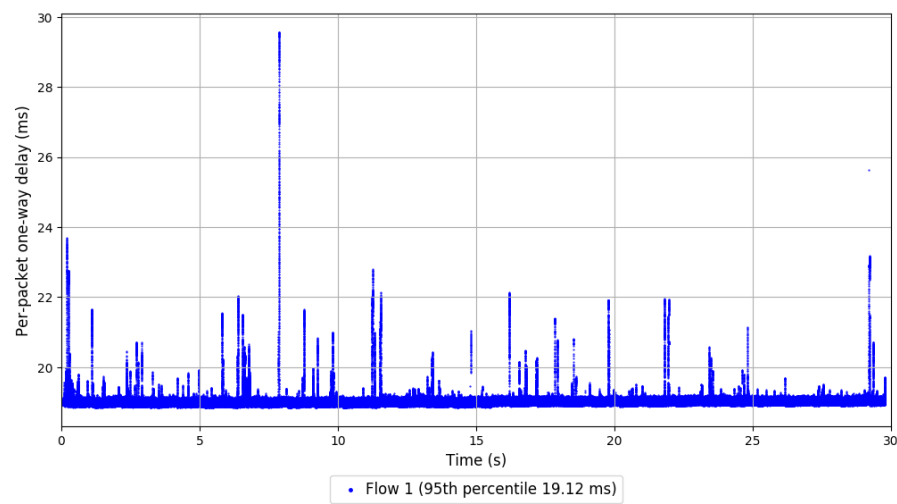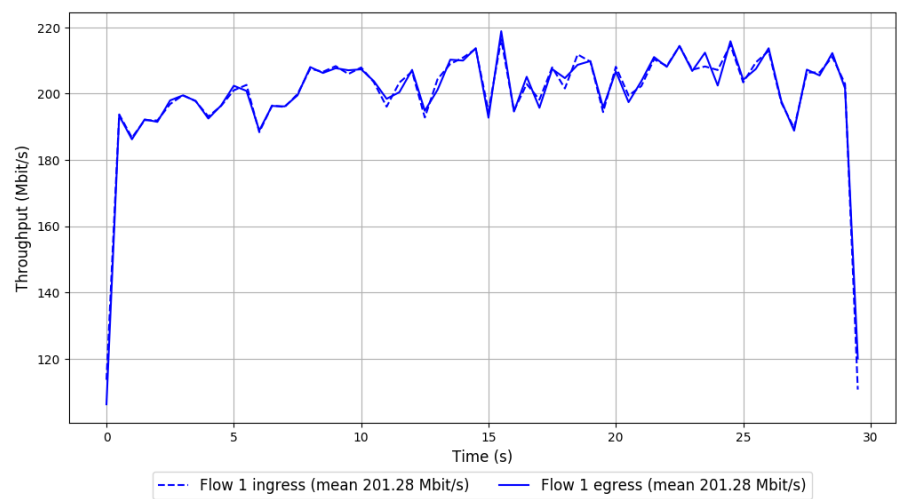
Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2017-10-10 22:07:12
End at: 2017-10-10 22:07:42
Local clock offset: -0.808 ms
Remote clock offset: -0.042 ms


# Below is generated by plot.py at 2017-10-11 02:34:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.28 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.28 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2017-10-10 22:26:00
End at: 2017-10-10 22:26:30
Local clock offset: -0.051 ms
Remote clock offset: -0.2 ms


# Below is generated by plot.py at 2017-10-11 02:34:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.87 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 201.87 Mbit/s
95th percentile per-packet one-way delay: 19.123 ms
Loss rate: 0.01%
```
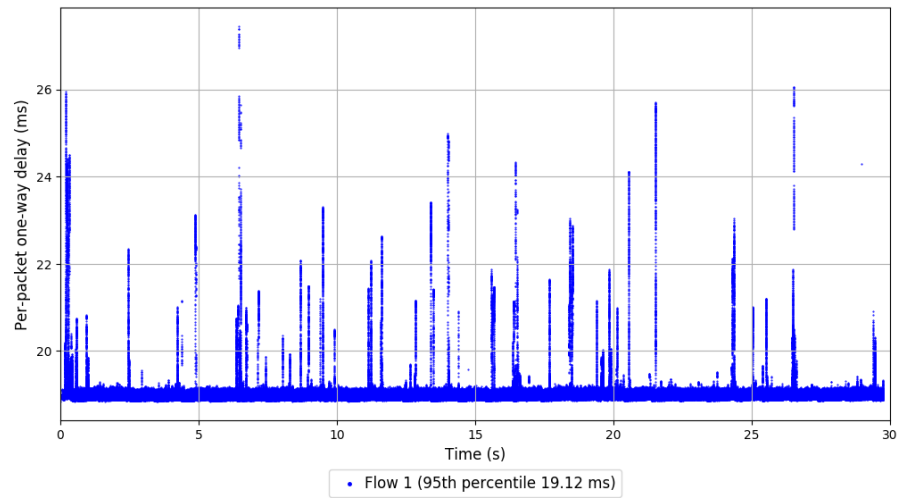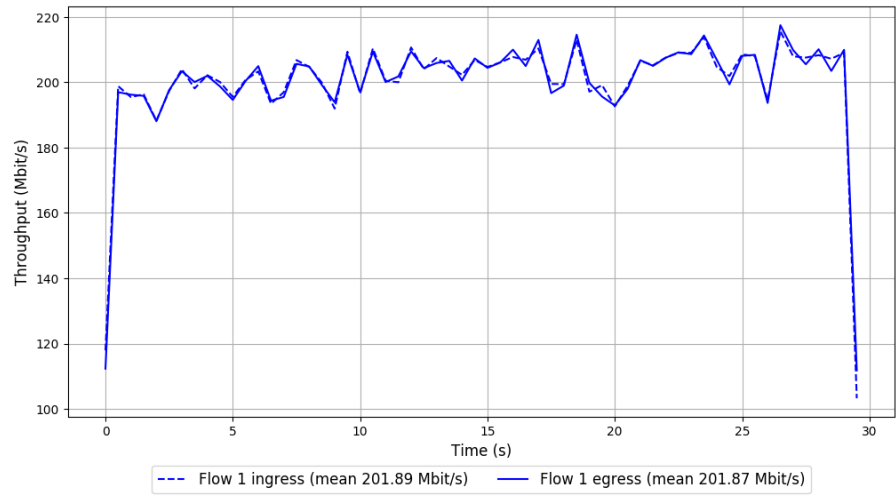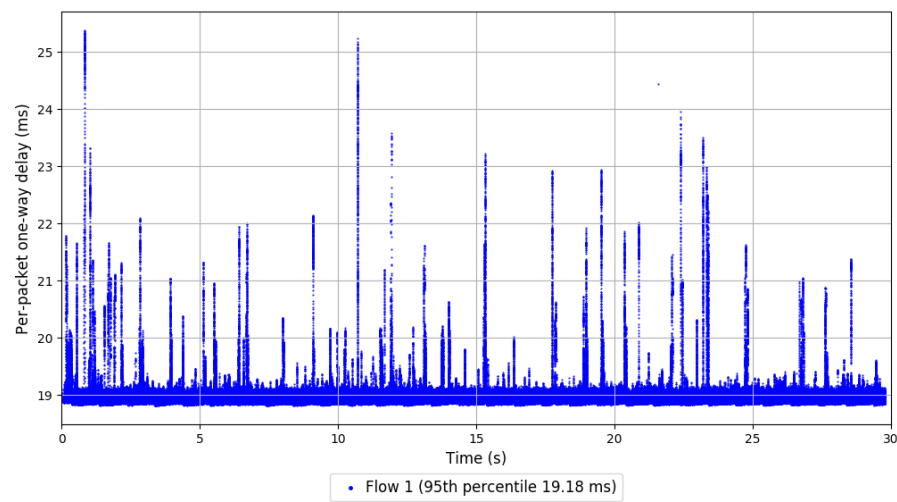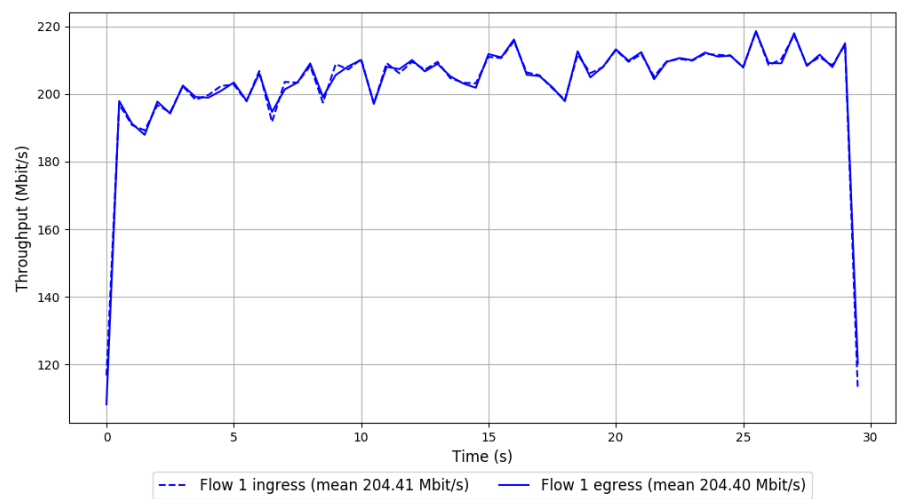
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2017-10-10 22:44:37
End at: 2017-10-10 22:45:07
Local clock offset: 0.343 ms
Remote clock offset: -0.149 ms


# Below is generated by plot.py at 2017-10-11 02:34:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.40 Mbit/s
95th percentile per-packet one-way delay: 19.178 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 204.40 Mbit/s
95th percentile per-packet one-way delay: 19.178 ms
Loss rate: 0.01%
```

Run 7: Report of Indigo — Data Link

Flow 1 ingress (mean 204.41 Mbit/s)   Flow 1 egress (mean 204.40 Mbit/s)

Flow 1 (95th percentile 19.18 ms)

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```
Run 8: Statistics of Indigo

Start at: 2017-10-10 23:03:36
End at: 2017-10-10 23:04:06
Local clock offset: 0.647 ms
Remote clock offset: 0.052 ms


# Below is generated by plot.py at 2017-10-11 02:34:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.02 Mbit/s
95th percentile per-packet one-way delay: 19.015 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.02 Mbit/s
95th percentile per-packet one-way delay: 19.015 ms
Loss rate: 0.00%
```
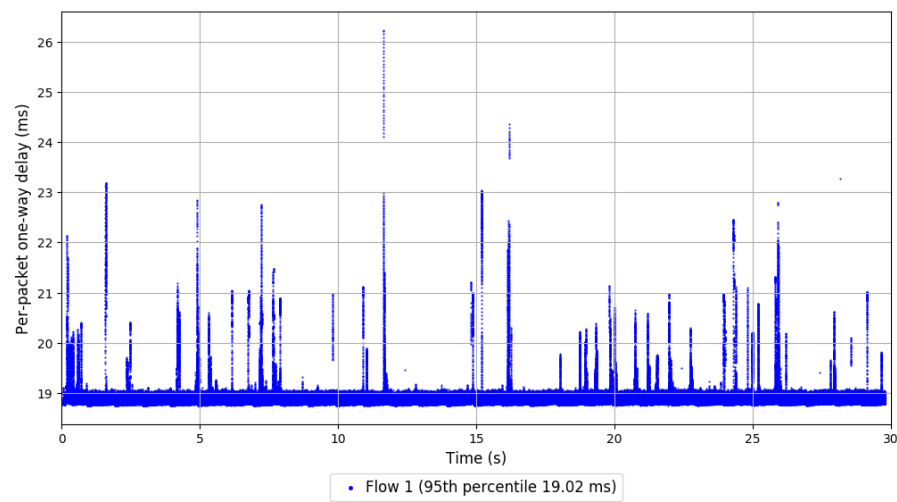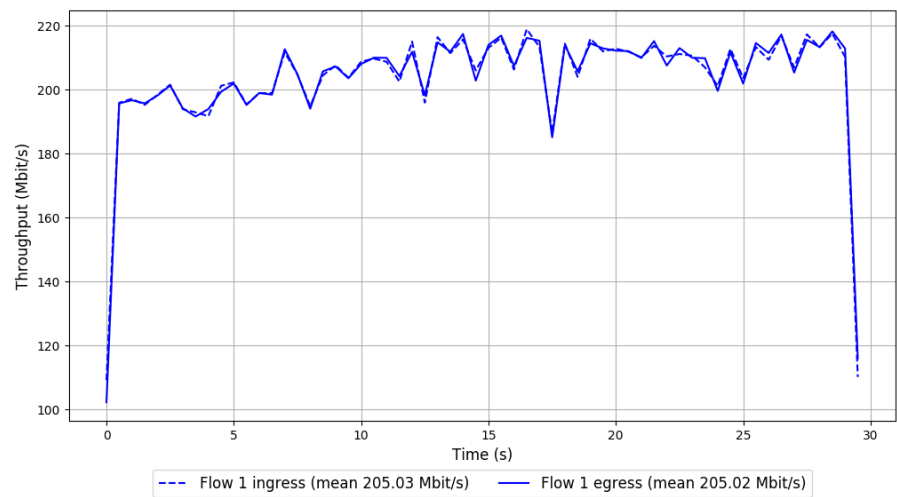
Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2017-10-10 23:22:28
End at: 2017-10-10 23:22:58
Local clock offset: 0.857 ms
Remote clock offset: -0.232 ms


# Below is generated by plot.py at 2017-10-11 02:34:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.92 Mbit/s
95th percentile per-packet one-way delay: 18.864 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.92 Mbit/s
95th percentile per-packet one-way delay: 18.864 ms
Loss rate: 0.00%
```
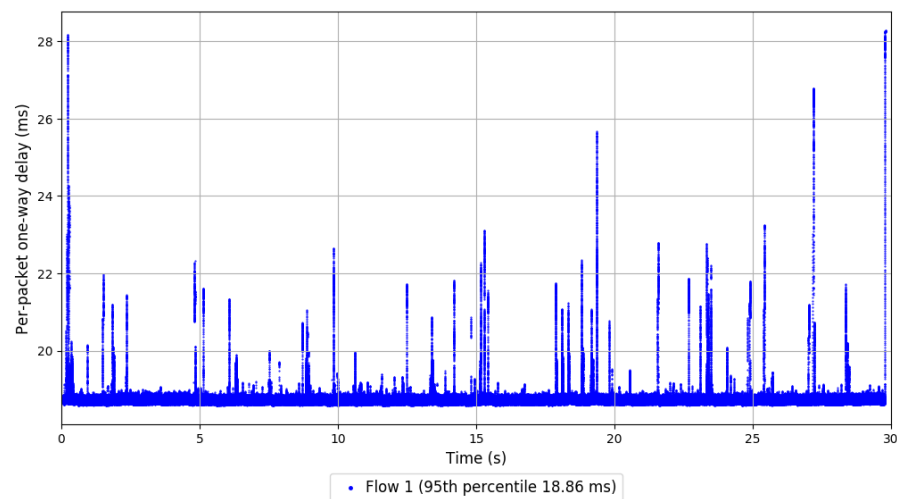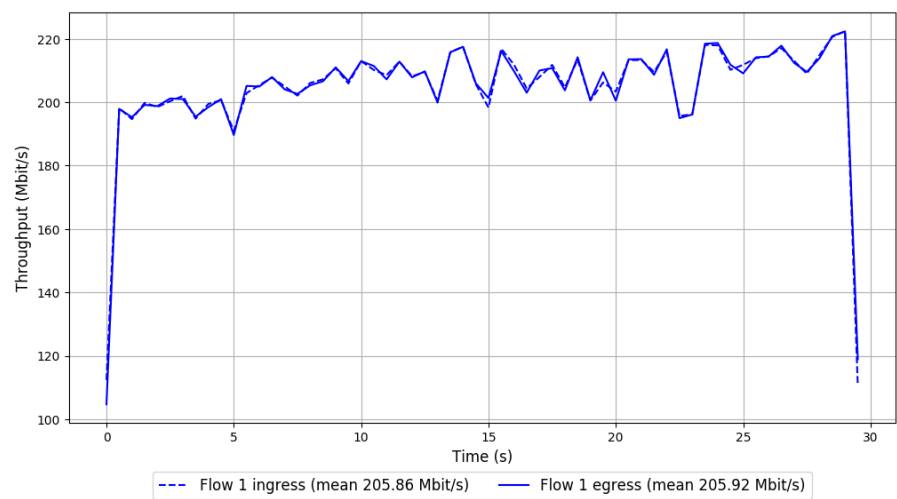
Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2017-10-10 23:41:28
End at: 2017-10-10 23:41:58
Local clock offset: 0.807 ms
Remote clock offset: -0.351 ms


# Below is generated by plot.py at 2017-10-11 02:34:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.30 Mbit/s
95th percentile per-packet one-way delay: 18.932 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.30 Mbit/s
95th percentile per-packet one-way delay: 18.932 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo — Data Link

Flow 1 ingress (mean 204.31 Mbit/s) Flow 1 egress (mean 204.30 Mbit/s)

Flow 1 (95th percentile 18.93 ms)