Pantheon Report

Generated at 2017-11-16 04:38:17 (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.

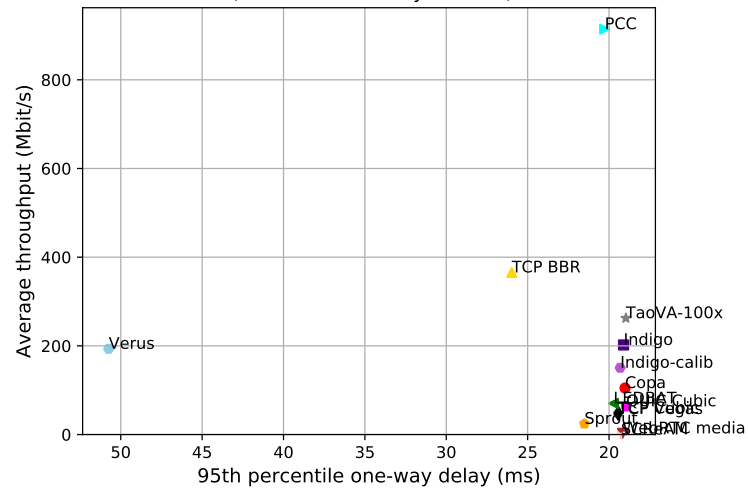Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

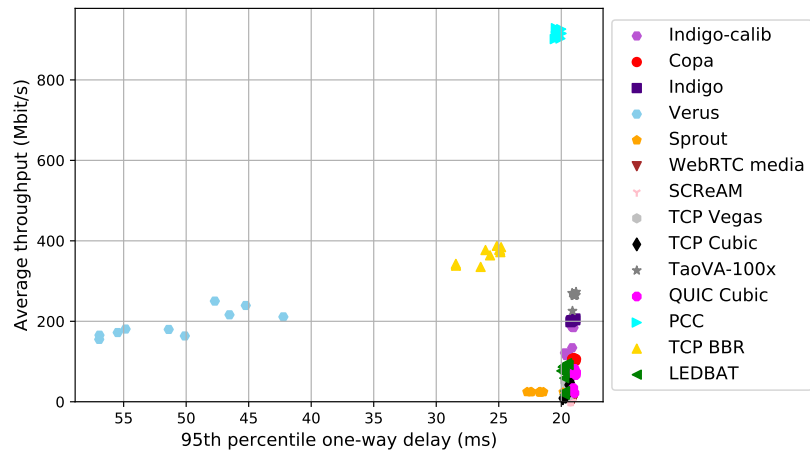NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: indigos @ f54f2953f2a9765c9ffa988d13de5a9471790eb0
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	365.61	25.98	9.46
TCP Cubic	10	48.09	19.43	0.25
LEDBAT	10	70.17	19.73	0.17
PCC	9	914.24	20.27	0.71
QUIC Cubic	9	63.81	18.95	0.12
SCReAM	10	0.19	19.27	0.18
WebRTC media	10	2.69	19.17	0.16
Sprout	10	24.19	21.51	0.84
TaoVA-100x	10	262.48	18.97	0.28
TCP Vegas	10	46.35	19.45	0.33
Verus	10	193.36	50.74	23.44
Copa	10	104.94	19.02	0.17
Indigo	10	202.05	19.11	0.27
Indigo-calib	9	150.60	19.32	0.19

```
Run 1: Statistics of TCP BBR

Start at: 2017-11-15 23:24:10
End at: 2017-11-15 23:24:40
Local clock offset: 1.454 ms
Remote clock offset: -0.735 ms

# Below is generated by plot.py at 2017-11-16 03:55:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 338.34 Mbit/s
95th percentile per-packet one-way delay: 28.421 ms
Loss rate: 10.43%
-- Flow 1:
Average throughput: 338.34 Mbit/s
95th percentile per-packet one-way delay: 28.421 ms
Loss rate: 10.43%
```
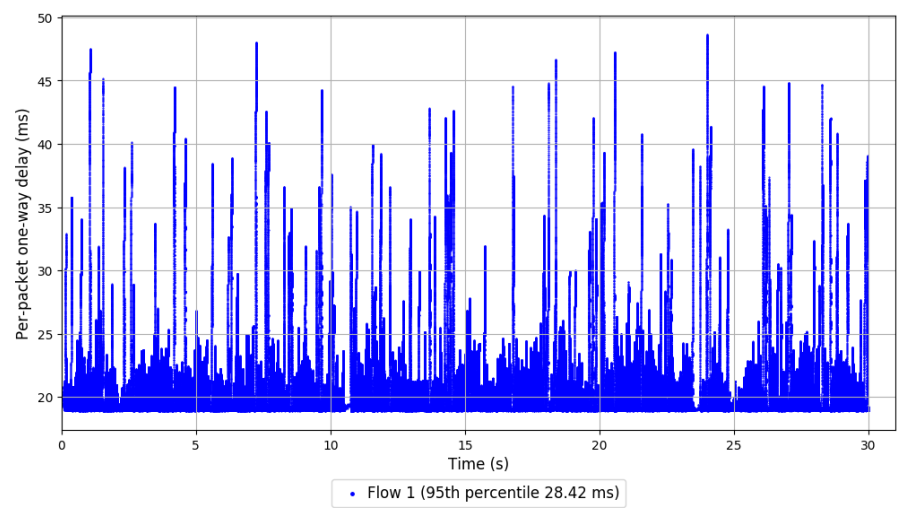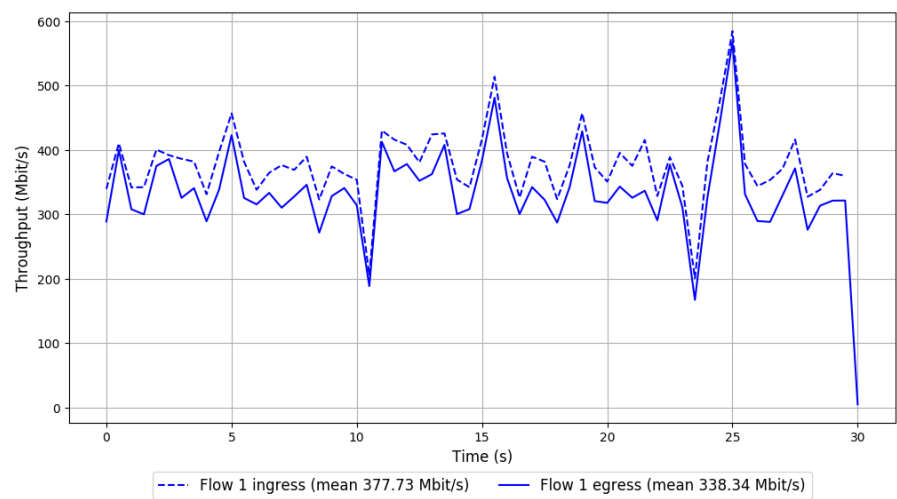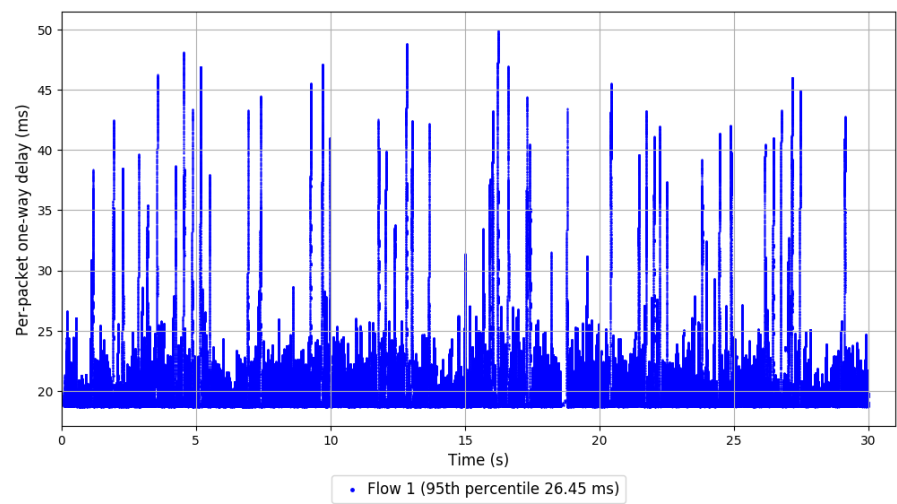
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2017-11-15 23:42:02
End at: 2017-11-15 23:42:32
Local clock offset: 1.417 ms
Remote clock offset: -1.06 ms

# Below is generated by plot.py at 2017-11-16 03:55:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 335.21 Mbit/s
95th percentile per-packet one-way delay: 26.449 ms
Loss rate: 10.09%
-- Flow 1:
Average throughput: 335.21 Mbit/s
95th percentile per-packet one-way delay: 26.449 ms
Loss rate: 10.09%
```
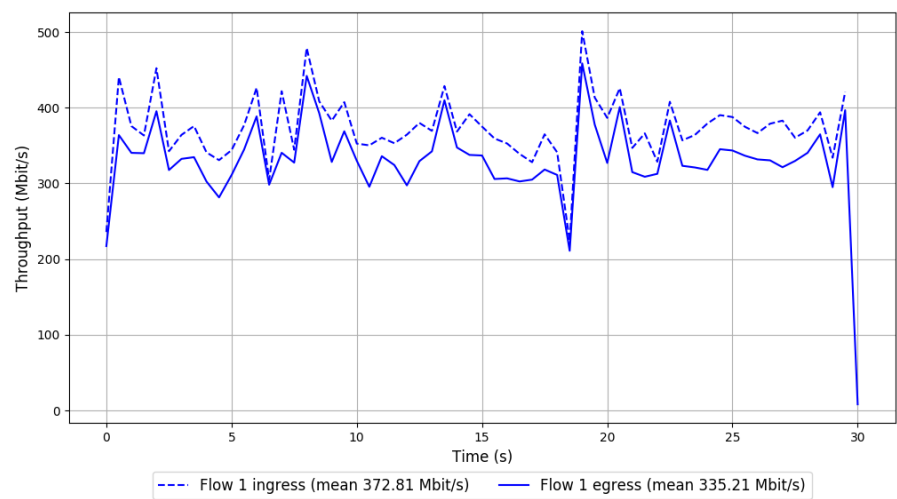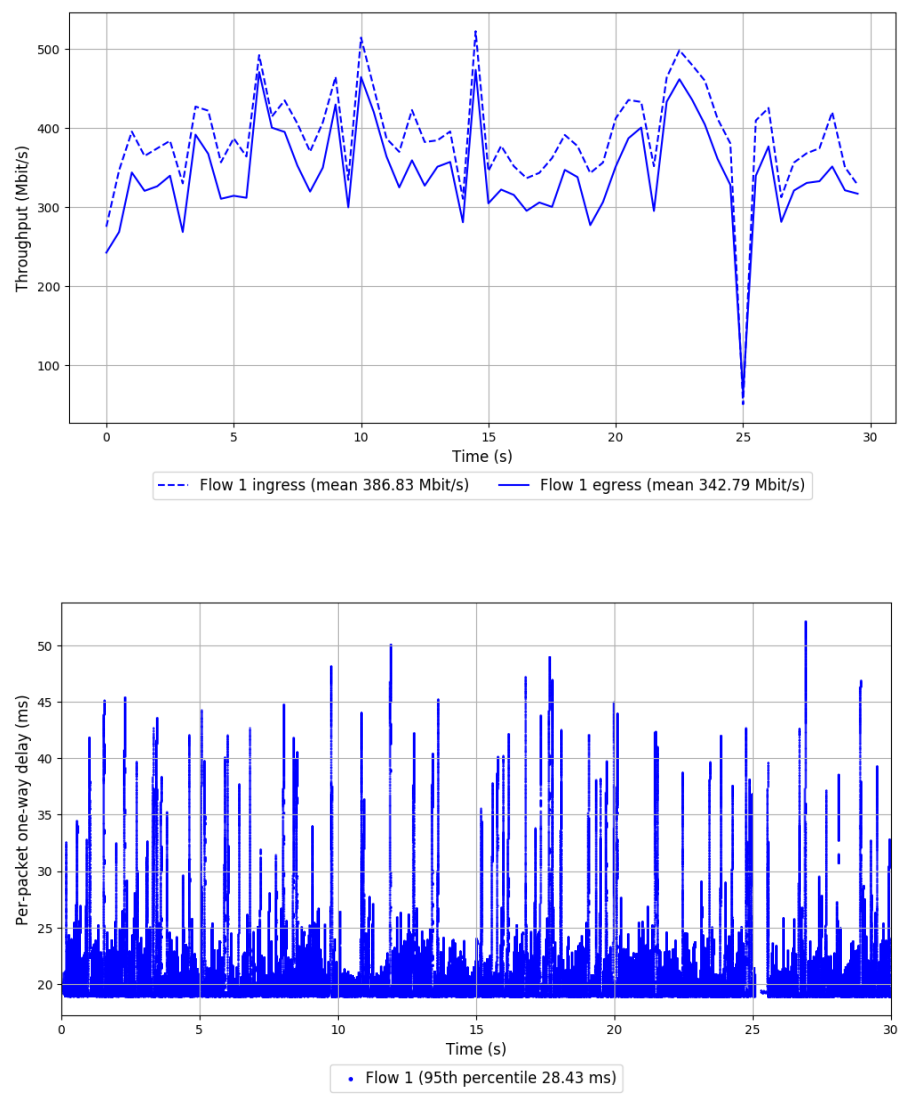
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 372.81 Mbit/s)   Flow 1 egress (mean 335.21 Mbit/s)

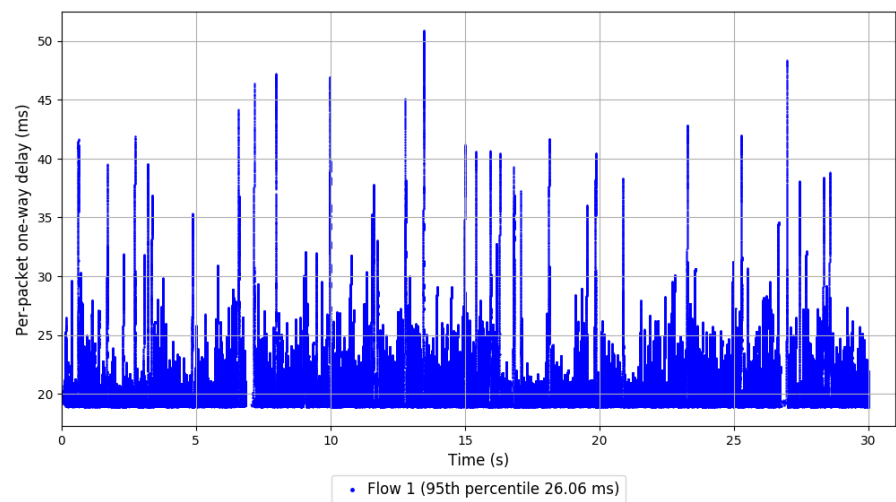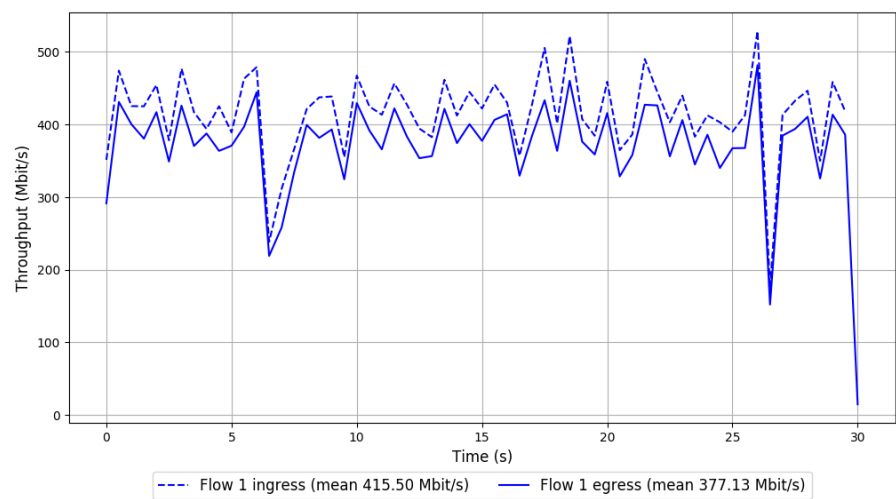
• Flow 1 (95th percentile 26.45 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2017-11-16 00:00:10
End at: 2017-11-16 00:00:40
Local clock offset: 1.149 ms
Remote clock offset: -1.485 ms


# Below is generated by plot.py at 2017-11-16 03:55:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 342.79 Mbit/s
95th percentile per-packet one-way delay: 28.431 ms
Loss rate: 11.39%
-- Flow 1:
Average throughput: 342.79 Mbit/s
95th percentile per-packet one-way delay: 28.431 ms
Loss rate: 11.39%
```

Run 3: Report of TCP BBR — Data Link

```
Run 4: Statistics of TCP BBR

Start at: 2017-11-16 00:18:18
End at: 2017-11-16 00:18:48
Local clock offset: 0.646 ms
Remote clock offset: -1.541 ms

# Below is generated by plot.py at 2017-11-16 03:55:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 377.13 Mbit/s
95th percentile per-packet one-way delay: 26.061 ms
Loss rate: 9.23%
-- Flow 1:
Average throughput: 377.13 Mbit/s
95th percentile per-packet one-way delay: 26.061 ms
Loss rate: 9.23%
```
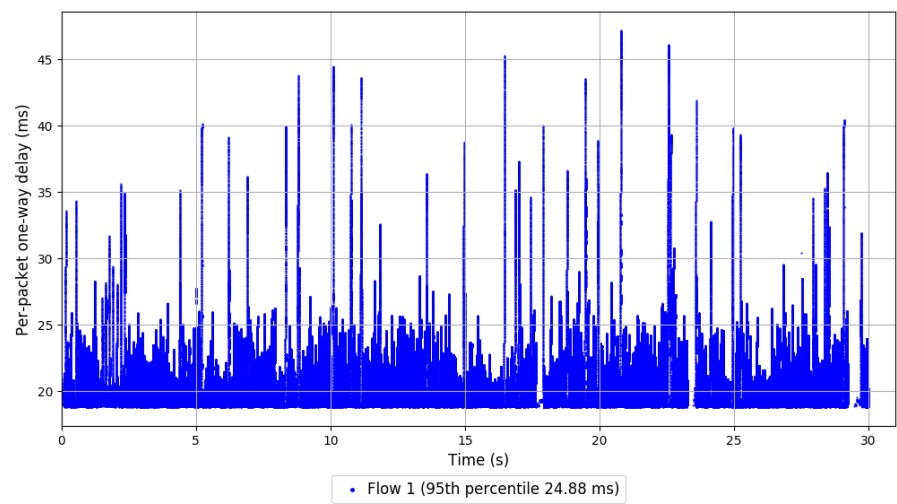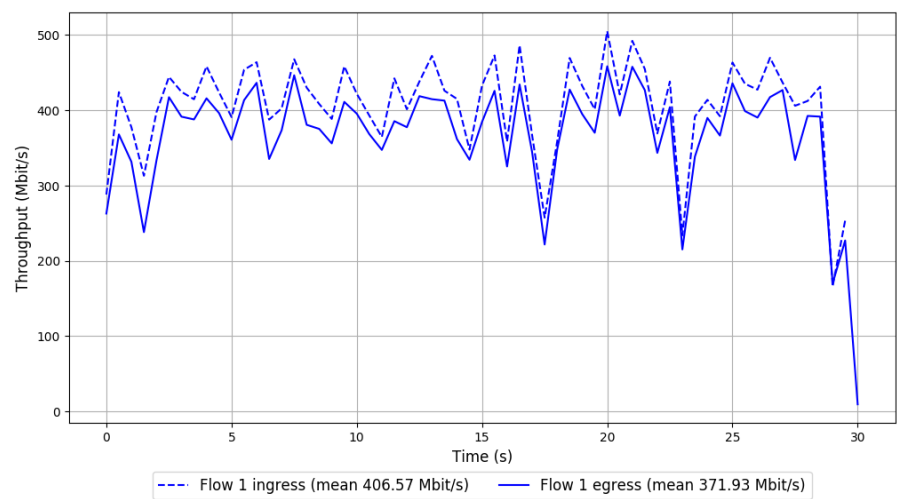
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 415.50 Mbit/s)   Flow 1 egress (mean 377.13 Mbit/s)

Flow 1 (95th percentile 26.06 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2017-11-16 00:36:24
End at: 2017-11-16 00:36:54
Local clock offset: 0.498 ms
Remote clock offset: -1.458 ms


# Below is generated by plot.py at 2017-11-16 03:55:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 371.93 Mbit/s
95th percentile per-packet one-way delay: 24.875 ms
Loss rate: 8.52%
-- Flow 1:
Average throughput: 371.93 Mbit/s
95th percentile per-packet one-way delay: 24.875 ms
Loss rate: 8.52%
```
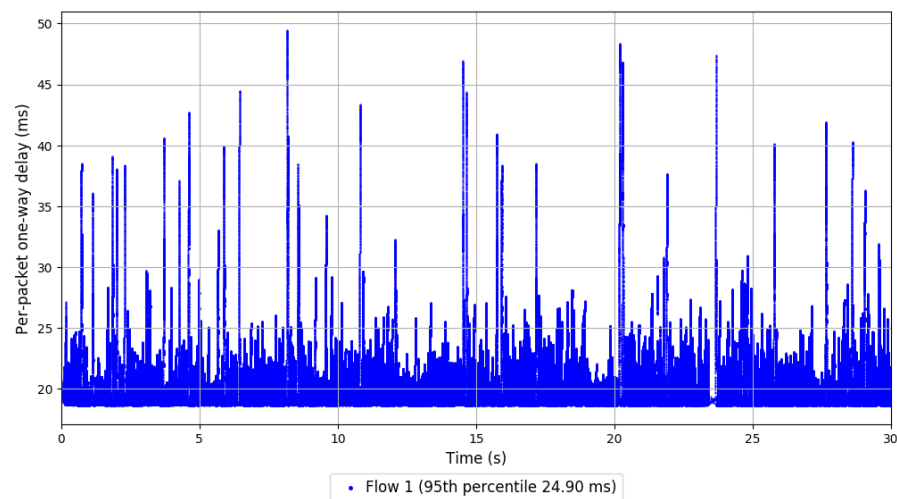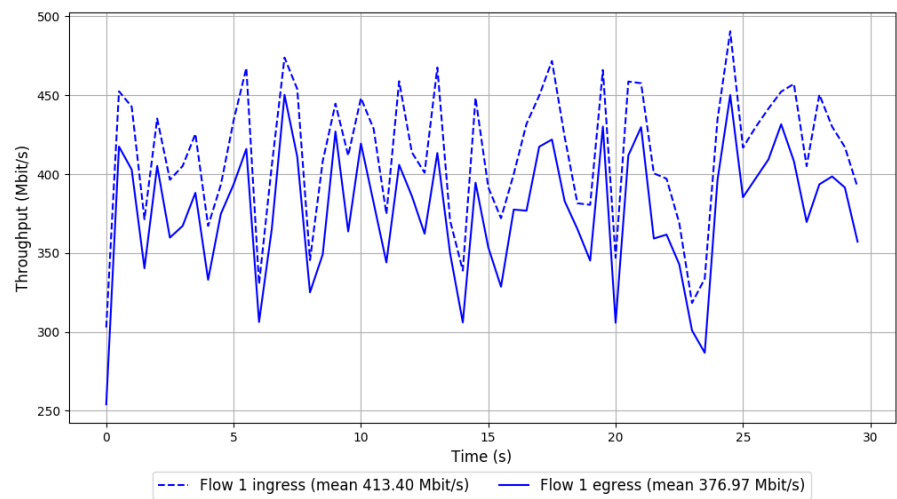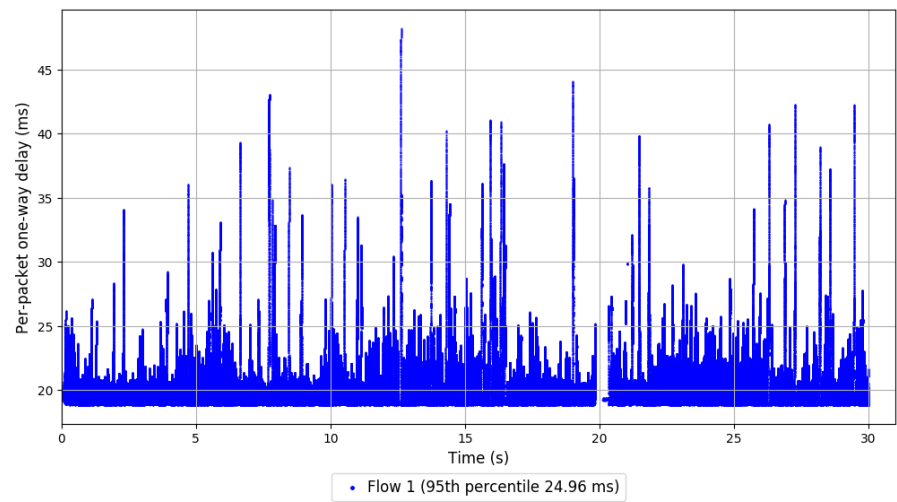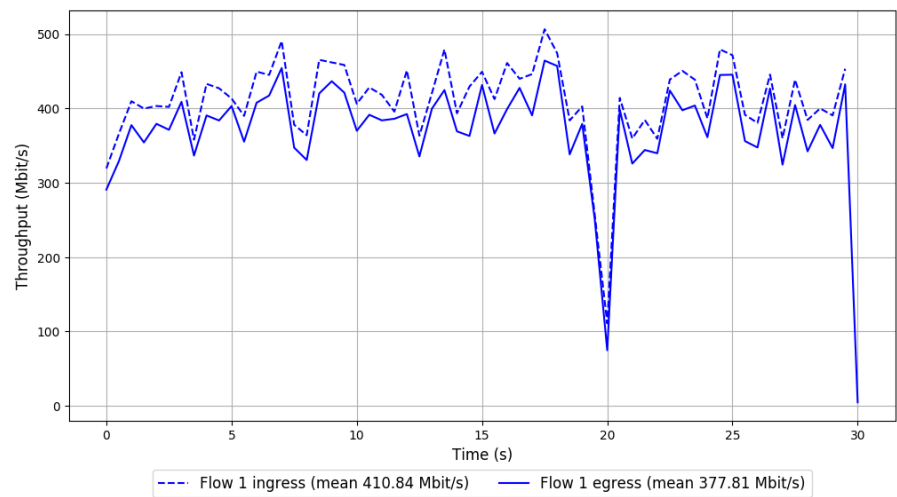
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 406.57 Mbit/s) --- Flow 1 egress (mean 371.93 Mbit/s)

Flow 1 (95th percentile 24.88 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2017-11-16 00:54:34
End at: 2017-11-16 00:55:04
Local clock offset: 0.281 ms
Remote clock offset: -1.521 ms


# Below is generated by plot.py at 2017-11-16 03:55:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 376.97 Mbit/s
95th percentile per-packet one-way delay: 24.899 ms
Loss rate: 8.81%
-- Flow 1:
Average throughput: 376.97 Mbit/s
95th percentile per-packet one-way delay: 24.899 ms
Loss rate: 8.81%
```
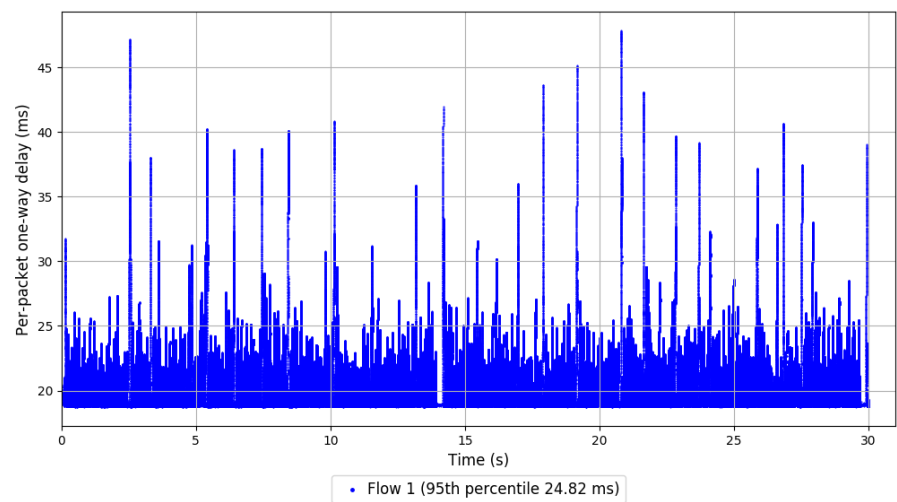
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 413.40 Mbit/s) —— Flow 1 egress (mean 376.97 Mbit/s)

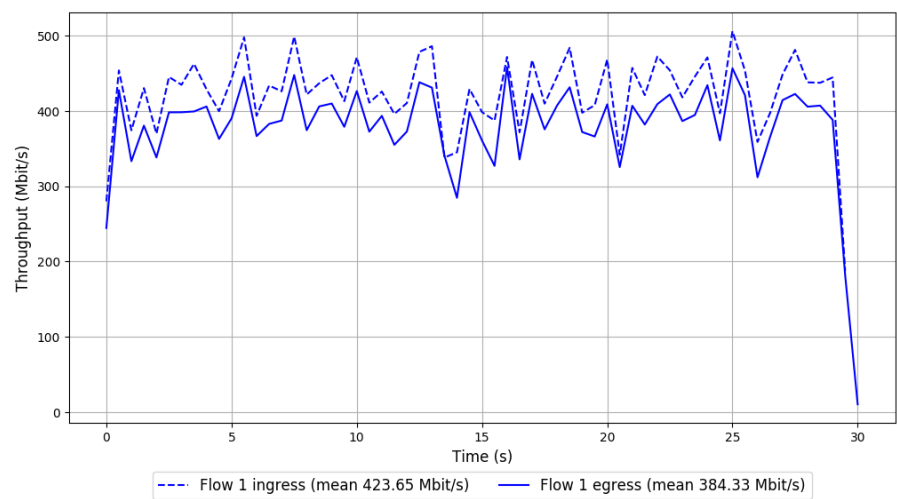• Flow 1 (95th percentile 24.90 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2017-11-16 01:12:47
End at: 2017-11-16 01:13:17
Local clock offset: -0.12 ms
Remote clock offset: -1.492 ms


# Below is generated by plot.py at 2017-11-16 03:55:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 377.81 Mbit/s
95th percentile per-packet one-way delay: 24.962 ms
Loss rate: 8.04%
-- Flow 1:
Average throughput: 377.81 Mbit/s
95th percentile per-packet one-way delay: 24.962 ms
Loss rate: 8.04%
```
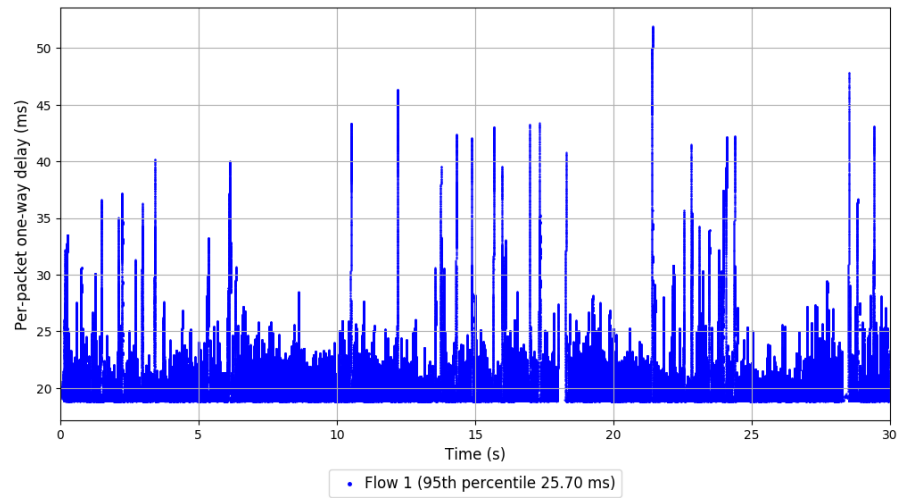
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 410.84 Mbit/s)   Flow 1 egress (mean 377.81 Mbit/s)

Flow 1 (95th percentile 24.96 ms)

```
Run 8: Statistics of TCP BBR

Start at: 2017-11-16 01:31:01
End at: 2017-11-16 01:31:31
Local clock offset: -0.243 ms
Remote clock offset: -1.532 ms


# Below is generated by plot.py at 2017-11-16 03:55:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 384.33 Mbit/s
95th percentile per-packet one-way delay: 24.815 ms
Loss rate: 9.28%
-- Flow 1:
Average throughput: 384.33 Mbit/s
95th percentile per-packet one-way delay: 24.815 ms
Loss rate: 9.28%
```
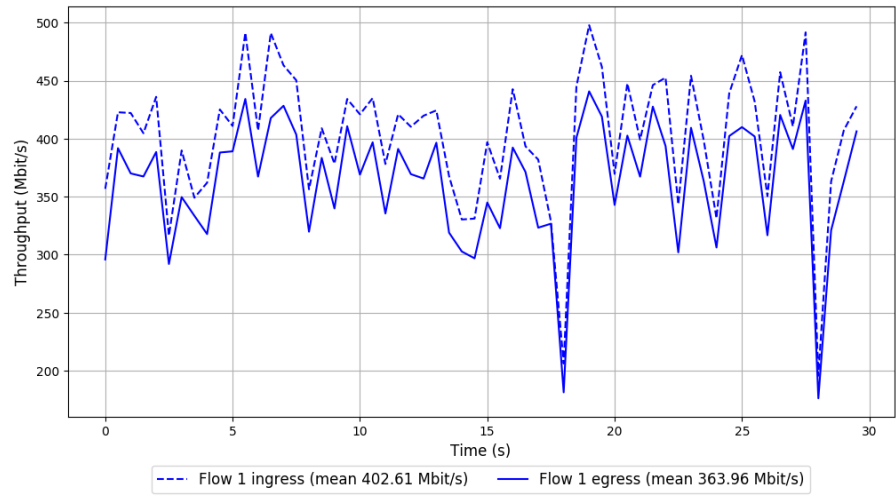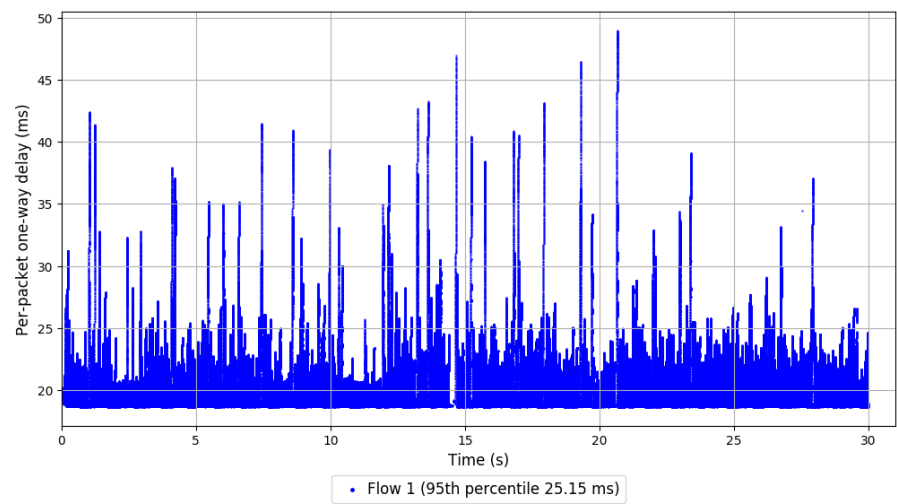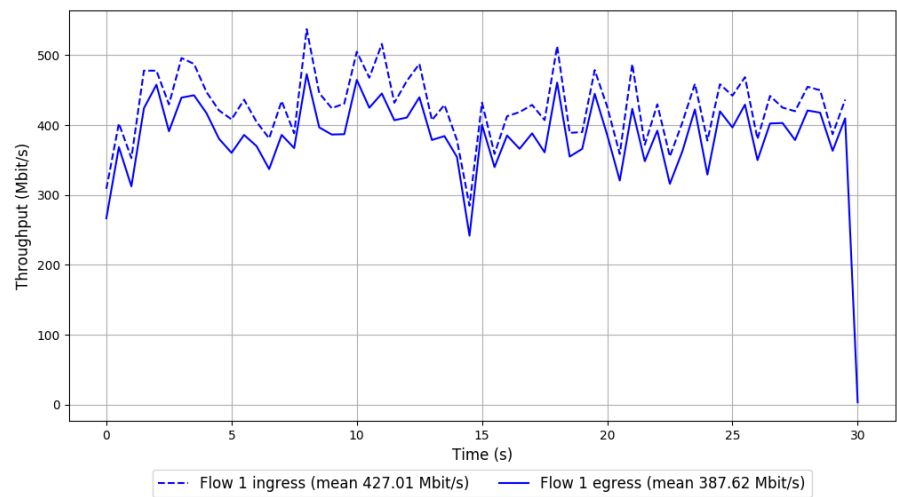
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 423.65 Mbit/s) ---- Flow 1 egress (mean 384.33 Mbit/s) ——

• Flow 1 (95th percentile 24.82 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2017-11-16 01:49:07
End at: 2017-11-16 01:49:37
Local clock offset: 0.281 ms
Remote clock offset: -1.493 ms


# Below is generated by plot.py at 2017-11-16 04:00:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 363.96 Mbit/s
95th percentile per-packet one-way delay: 25.698 ms
Loss rate: 9.60%
-- Flow 1:
Average throughput: 363.96 Mbit/s
95th percentile per-packet one-way delay: 25.698 ms
Loss rate: 9.60%
```
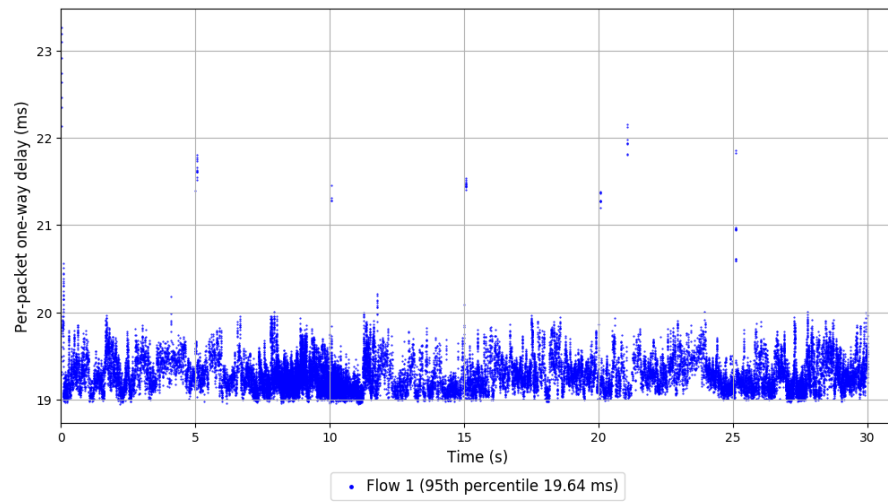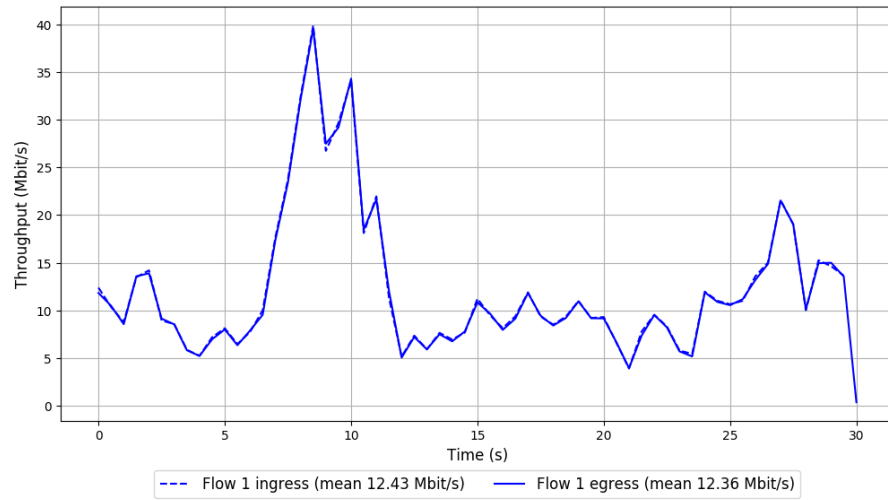
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 402.61 Mbit/s)   Flow 1 egress (mean 363.96 Mbit/s)

Flow 1 (95th percentile 25.70 ms)

```
Run 10: Statistics of TCP BBR

Start at: 2017-11-16 02:07:18
End at: 2017-11-16 02:07:48
Local clock offset: 0.412 ms
Remote clock offset: -1.622 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 387.62 Mbit/s
95th percentile per-packet one-way delay: 25.151 ms
Loss rate: 9.23%
-- Flow 1:
Average throughput: 387.62 Mbit/s
95th percentile per-packet one-way delay: 25.151 ms
Loss rate: 9.23%
```
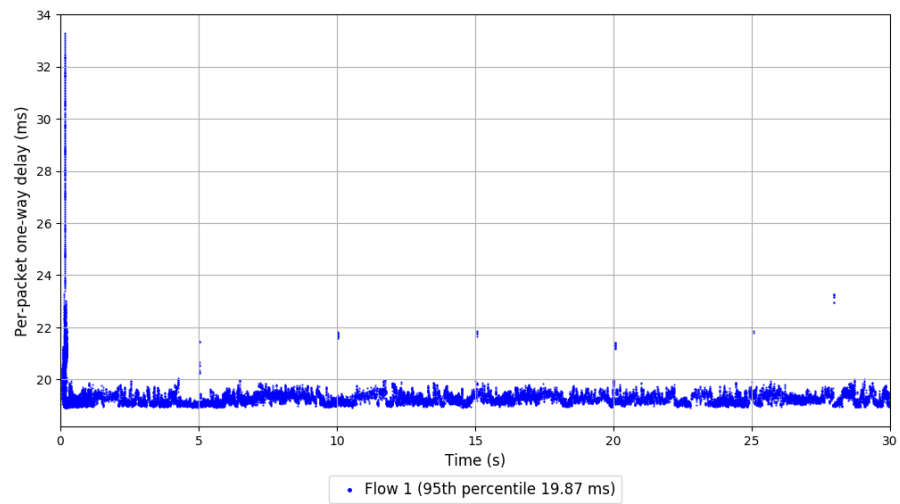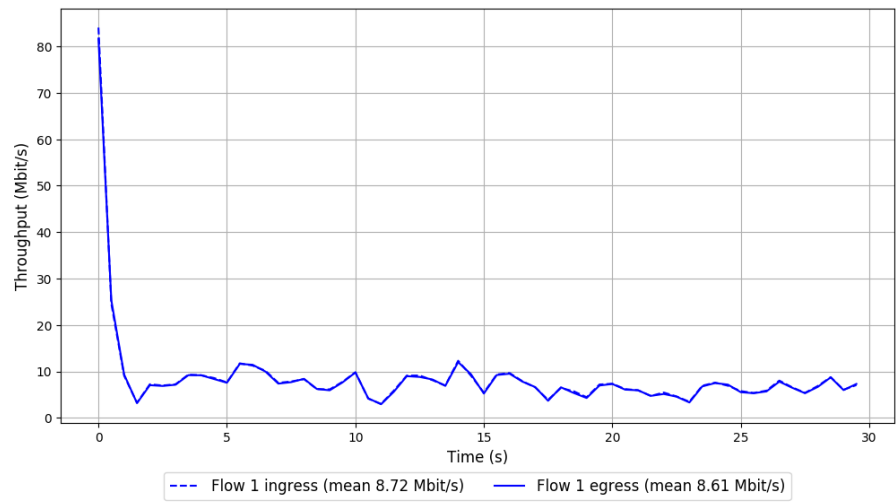
Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: 2017-11-15 23:34:22
End at: 2017-11-15 23:34:52
Local clock offset: 1.56 ms
Remote clock offset: -0.682 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 19.641 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 12.36 Mbit/s
95th percentile per-packet one-way delay: 19.641 ms
Loss rate: 0.55%
```
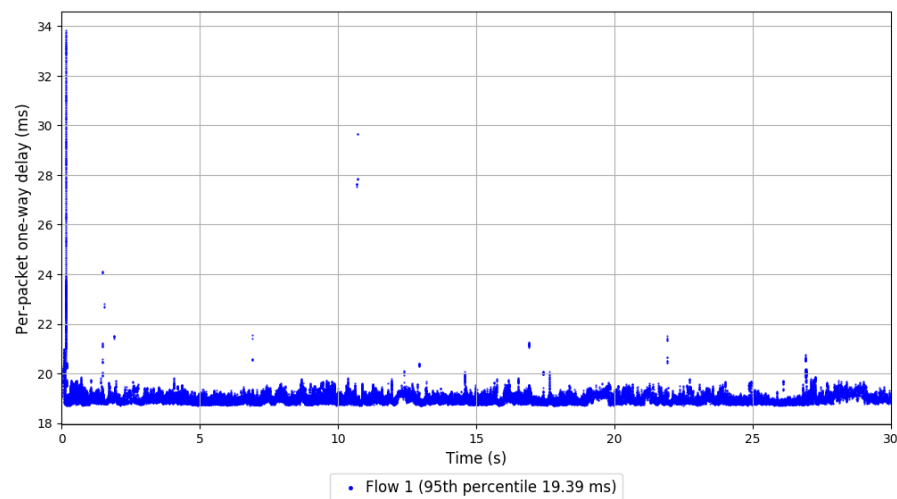
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2017-11-15 23:52:30
End at: 2017-11-15 23:53:00
Local clock offset: 1.269 ms
Remote clock offset: -1.318 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 19.872 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 19.872 ms
Loss rate: 1.24%
```
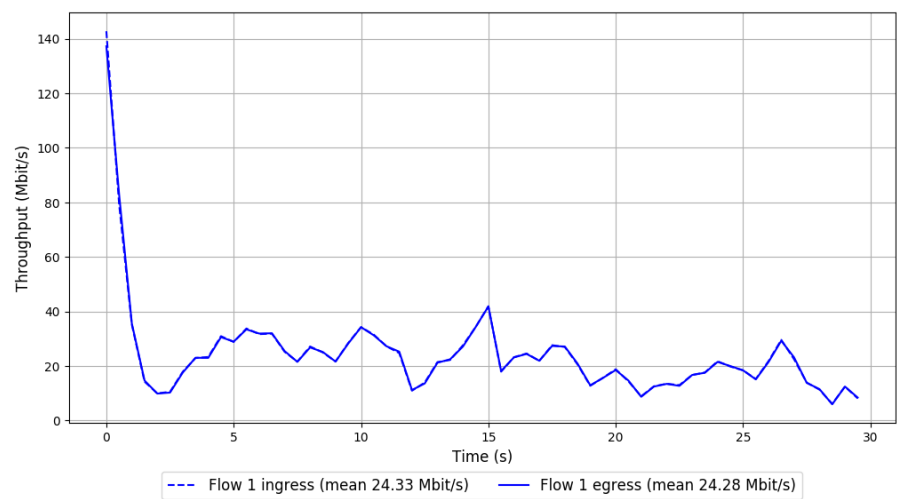
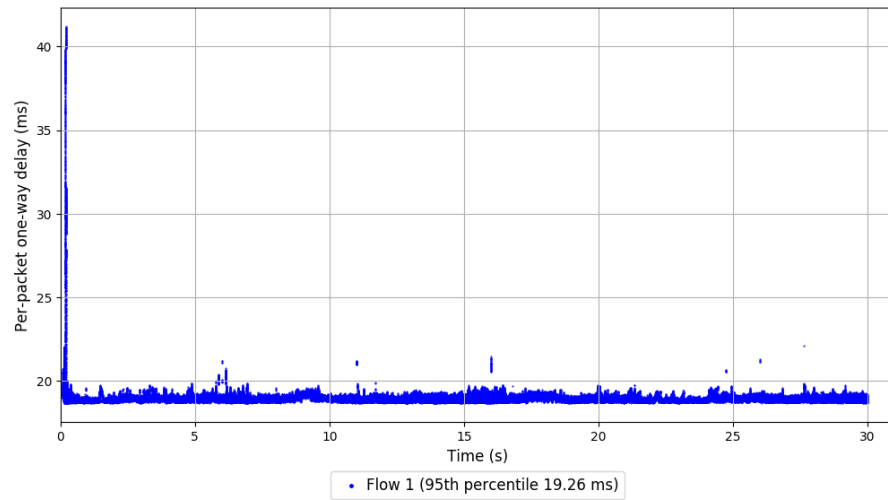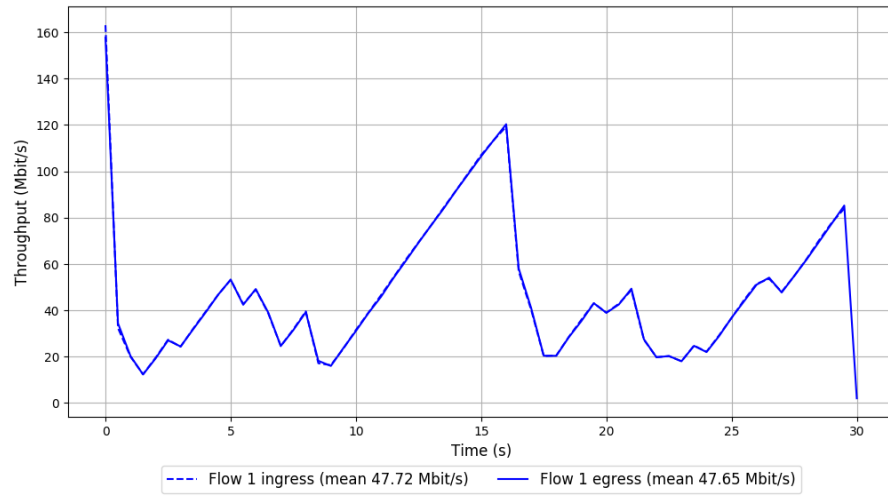# Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 8.72 Mbit/s)   Flow 1 egress (mean 8.61 Mbit/s)

Flow 1 (95th percentile 19.87 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2017-11-16 00:10:36
End at: 2017-11-16 00:11:06
Local clock offset: 0.893 ms
Remote clock offset: -1.38 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 19.387 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 19.387 ms
Loss rate: 0.20%
```
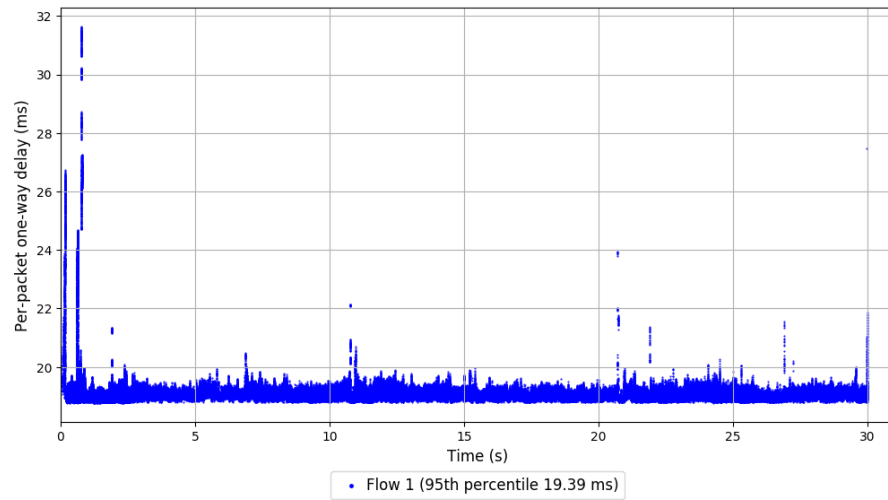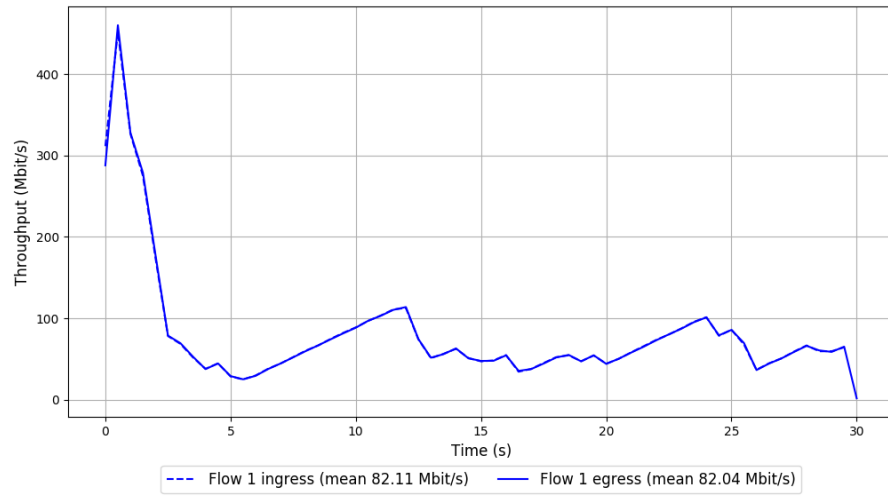
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 24.33 Mbit/s) Flow 1 egress (mean 24.28 Mbit/s)

Flow 1 (95th percentile 19.39 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2017-11-16 00:28:44
End at: 2017-11-16 00:29:14
Local clock offset: 0.545 ms
Remote clock offset: -1.441 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.65 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 47.65 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.13%
```
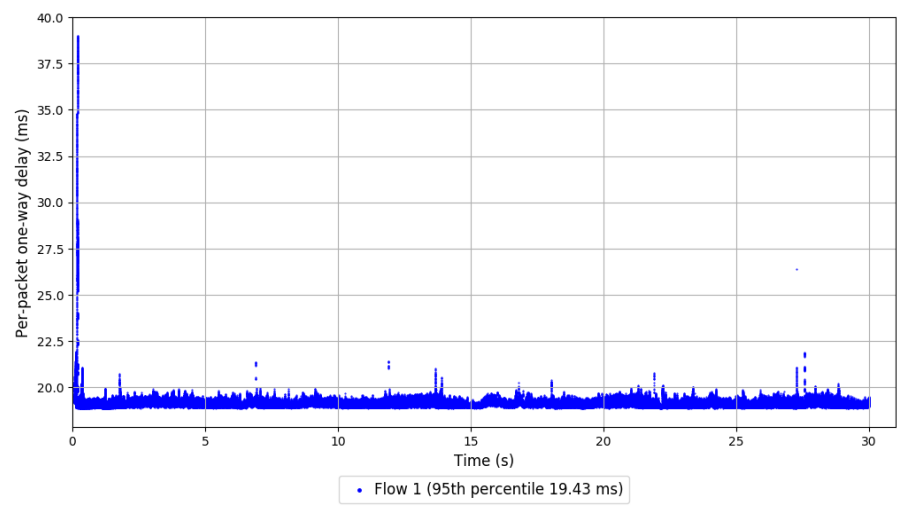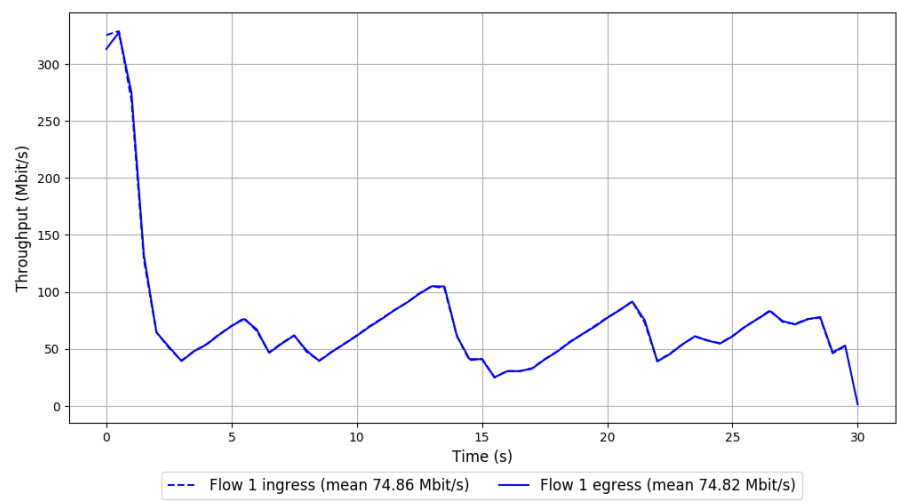
Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2017-11-16 00:46:52
End at: 2017-11-16 00:47:22
Local clock offset: 0.451 ms
Remote clock offset: -1.56 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.04 Mbit/s
95th percentile per-packet one-way delay: 19.392 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 82.04 Mbit/s
95th percentile per-packet one-way delay: 19.392 ms
Loss rate: 0.09%
```
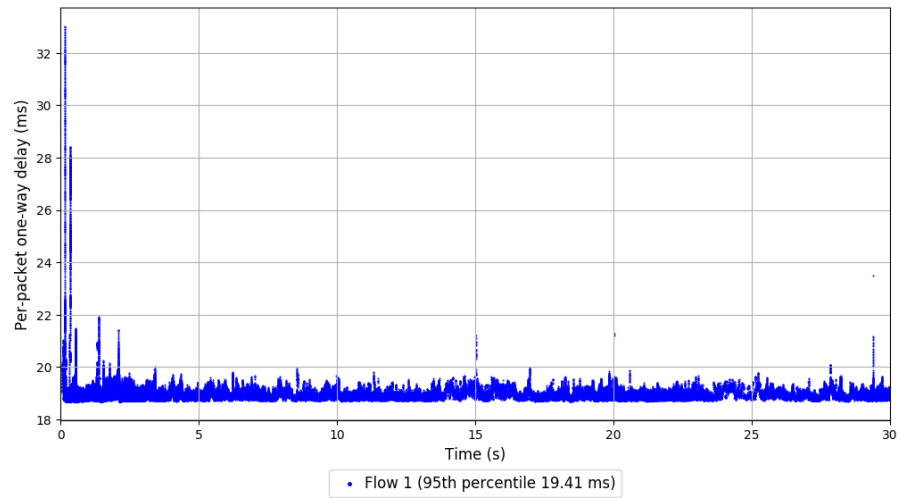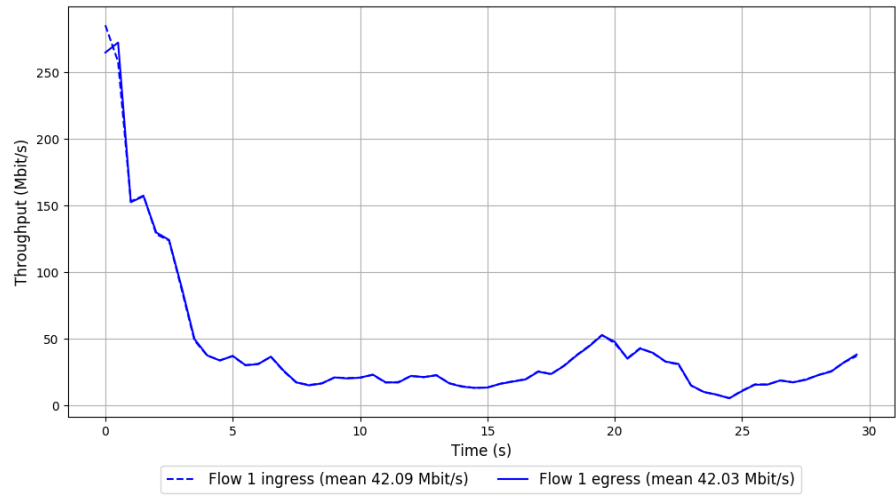
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 82.11 Mbit/s)   Flow 1 egress (mean 82.04 Mbit/s)
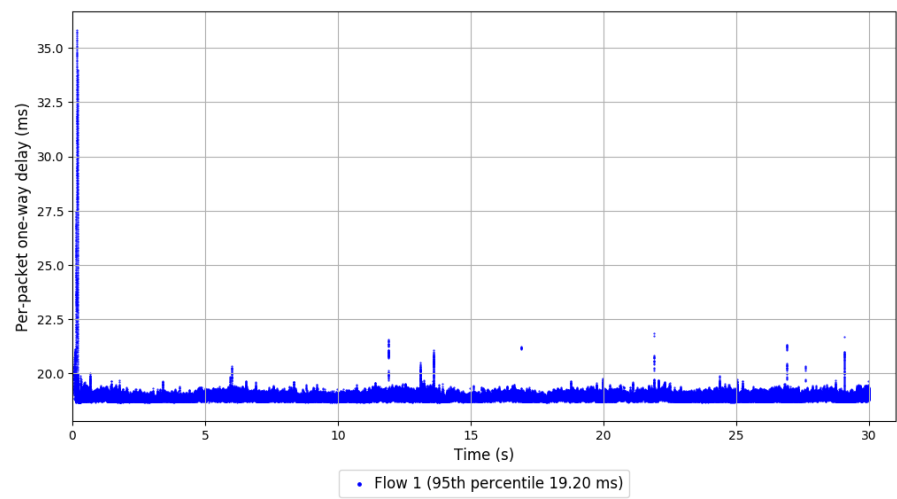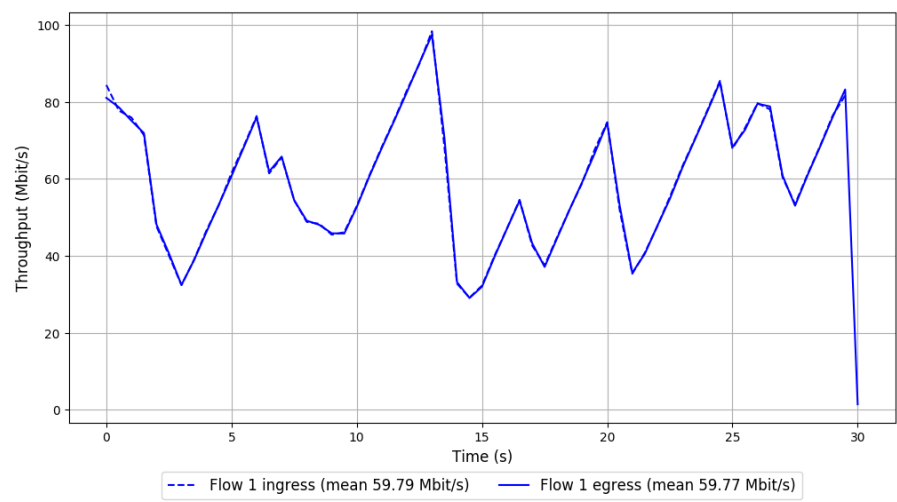

Flow 1 (95th percentile 19.39 ms)

```
Run 6: Statistics of TCP Cubic

Start at: 2017-11-16 01:05:03
End at: 2017-11-16 01:05:33
Local clock offset: -0.011 ms
Remote clock offset: -1.499 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.82 Mbit/s
95th percentile per-packet one-way delay: 19.432 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 74.82 Mbit/s
95th percentile per-packet one-way delay: 19.432 ms
Loss rate: 0.06%
```

Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 74.86 Mbit/s) ----   Flow 1 egress (mean 74.82 Mbit/s)

• Flow 1 (95th percentile 19.43 ms)

```
Run 7: Statistics of TCP Cubic

Start at: 2017-11-16 01:23:19
End at: 2017-11-16 01:23:49
Local clock offset: -0.288 ms
Remote clock offset: -1.526 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 19.405 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 42.03 Mbit/s
95th percentile per-packet one-way delay: 19.405 ms
Loss rate: 0.14%
```
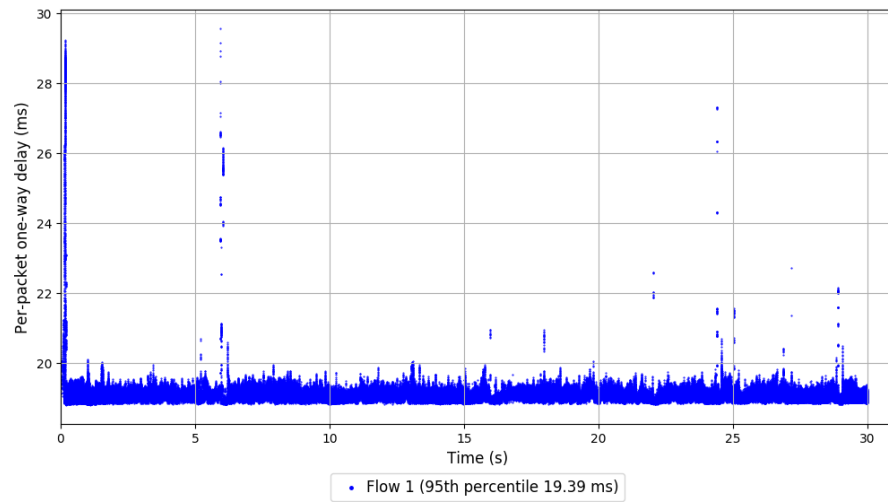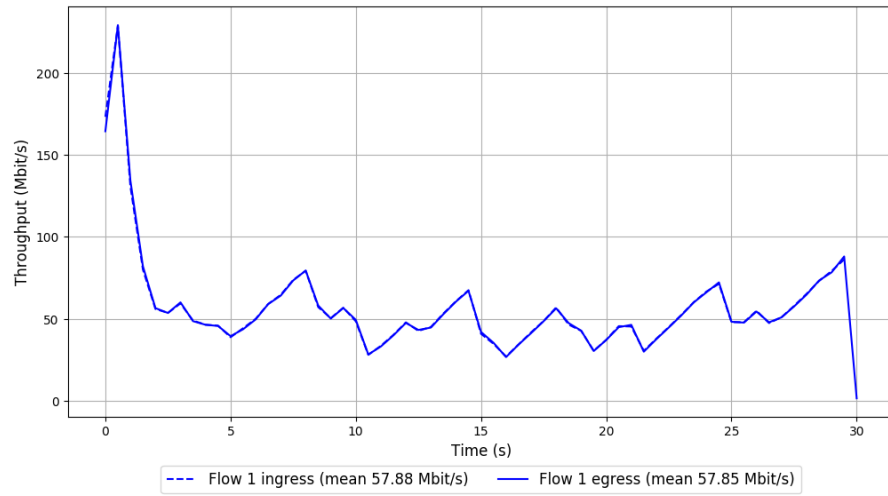
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 42.09 Mbit/s) --- Flow 1 egress (mean 42.03 Mbit/s)

• Flow 1 (95th percentile 19.41 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2017-11-16 01:41:28
End at: 2017-11-16 01:41:58
Local clock offset: 0.149 ms
Remote clock offset: -1.466 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.77 Mbit/s
95th percentile per-packet one-way delay: 19.200 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 59.77 Mbit/s
95th percentile per-packet one-way delay: 19.200 ms
Loss rate: 0.04%
```
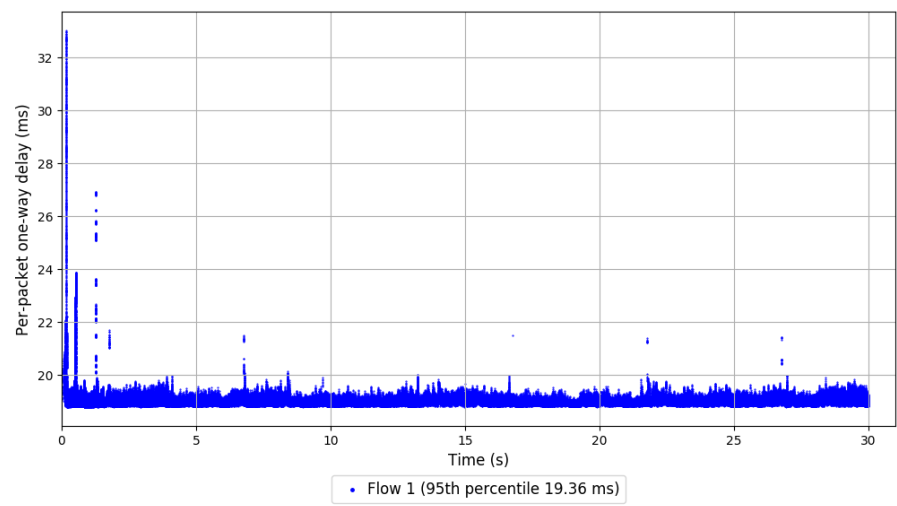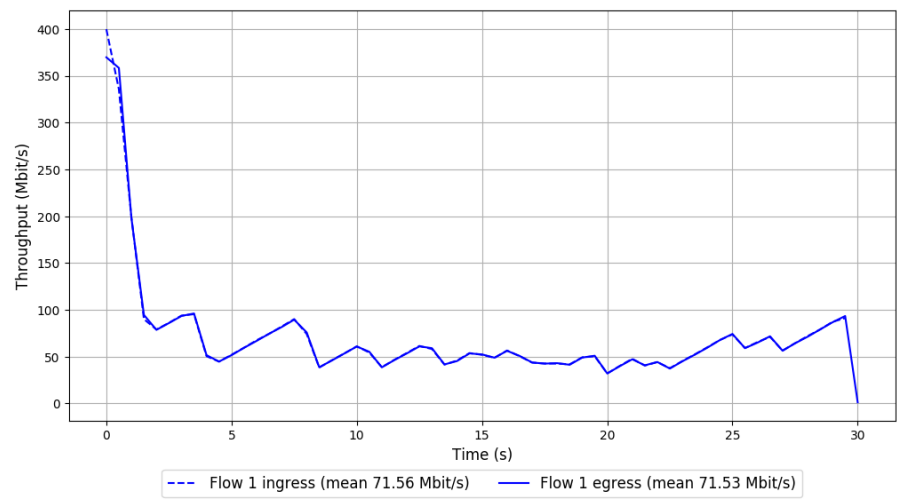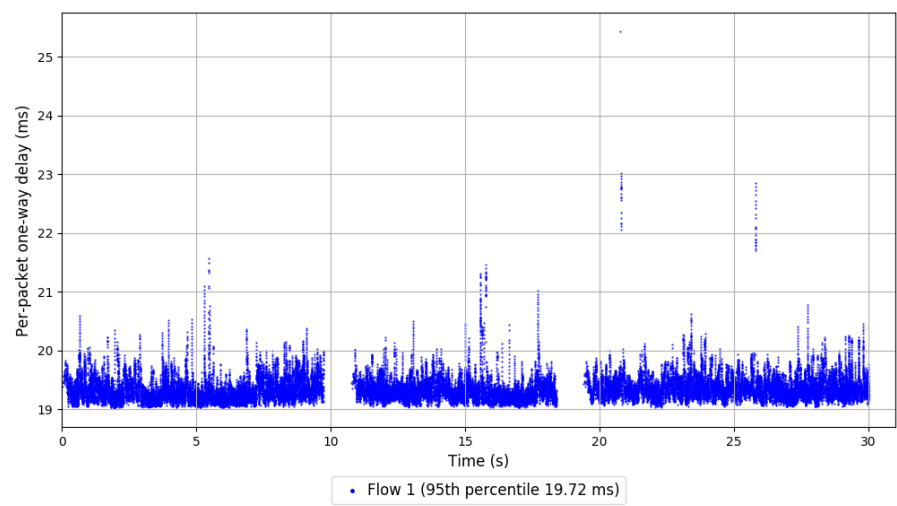
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 59.79 Mbit/s) --- Flow 1 egress (mean 59.77 Mbit/s)

Flow 1 (95th percentile 19.20 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2017-11-16 01:59:37
End at: 2017-11-16 02:00:07
Local clock offset: 0.429 ms
Remote clock offset: -1.595 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.85 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 57.85 Mbit/s
95th percentile per-packet one-way delay: 19.395 ms
Loss rate: 0.05%
```
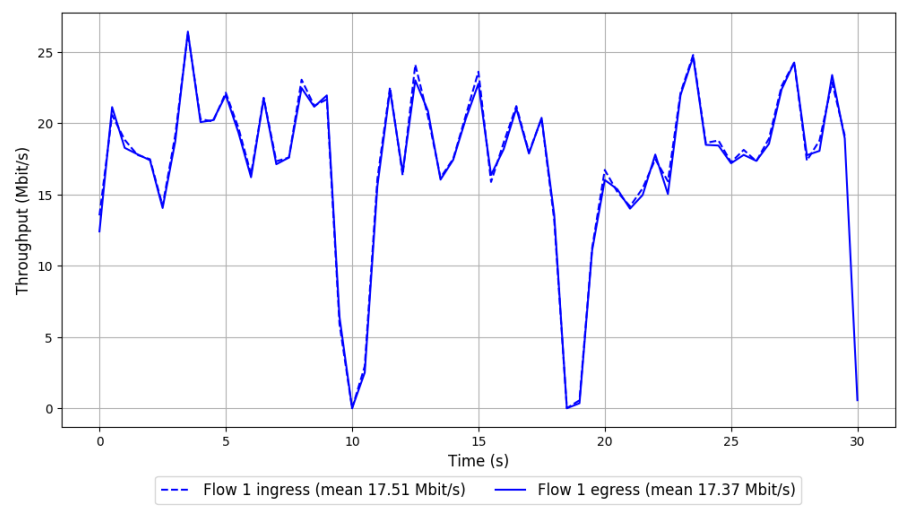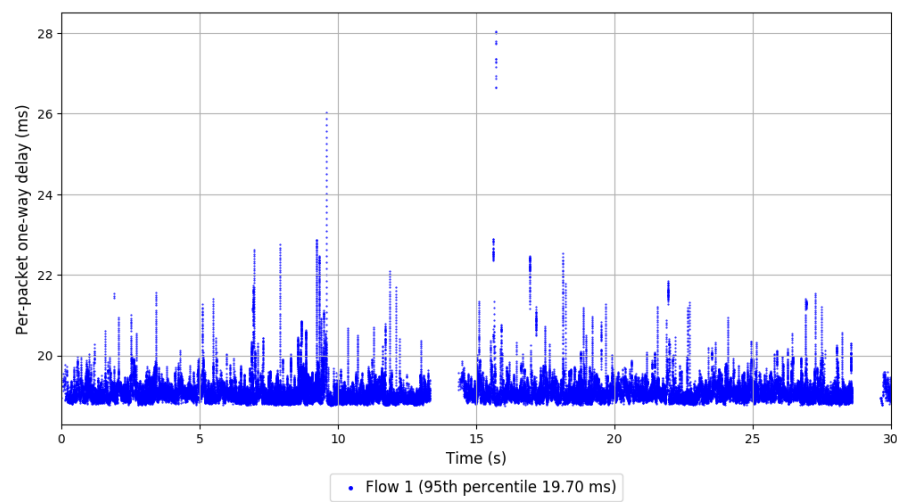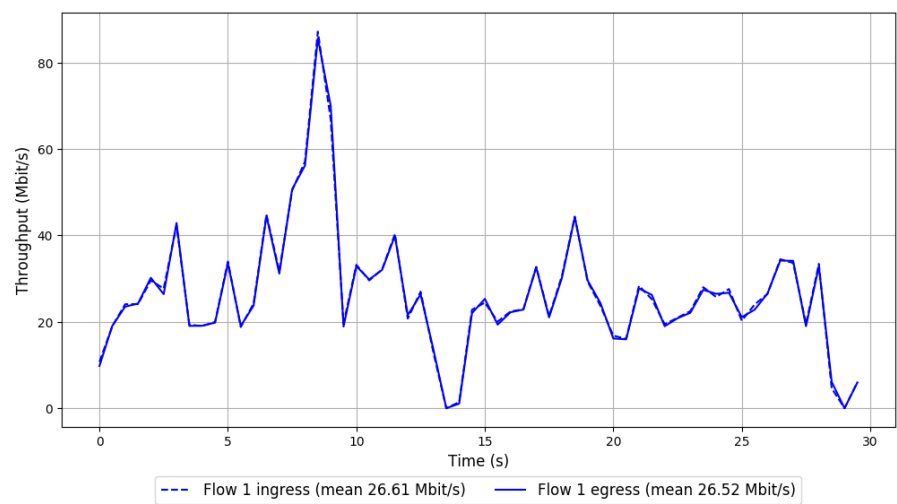
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 57.88 Mbit/s) --- Flow 1 egress (mean 57.85 Mbit/s)

Flow 1 (95th percentile 19.39 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2017-11-16 02:17:51
End at: 2017-11-16 02:18:21
Local clock offset: 0.478 ms
Remote clock offset: -1.479 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.53 Mbit/s
95th percentile per-packet one-way delay: 19.359 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 71.53 Mbit/s
95th percentile per-packet one-way delay: 19.359 ms
Loss rate: 0.04%
```
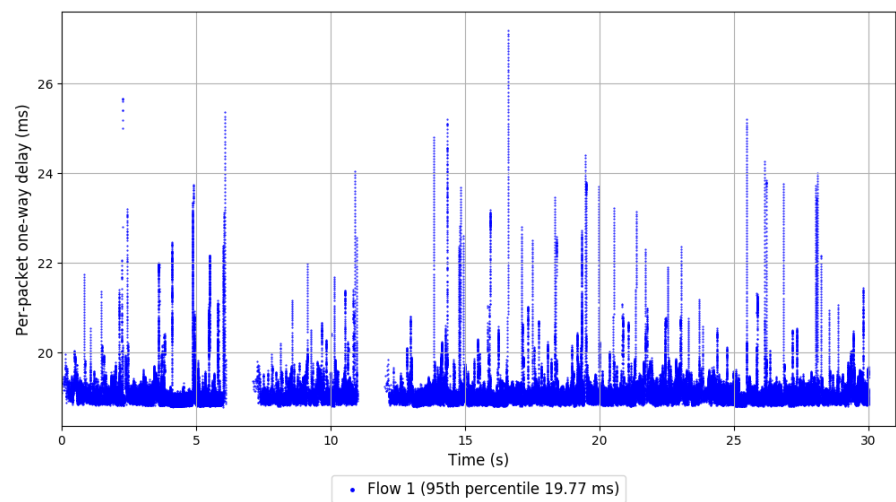
Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2017-11-15 23:40:51
End at: 2017-11-15 23:41:21
Local clock offset: 1.425 ms
Remote clock offset: -0.912 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.37 Mbit/s
95th percentile per-packet one-way delay: 19.722 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 17.37 Mbit/s
95th percentile per-packet one-way delay: 19.722 ms
Loss rate: 0.83%
```

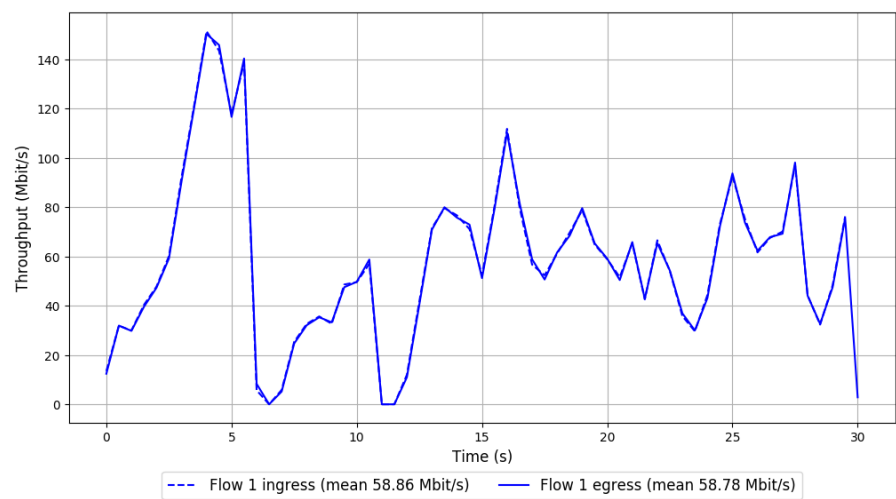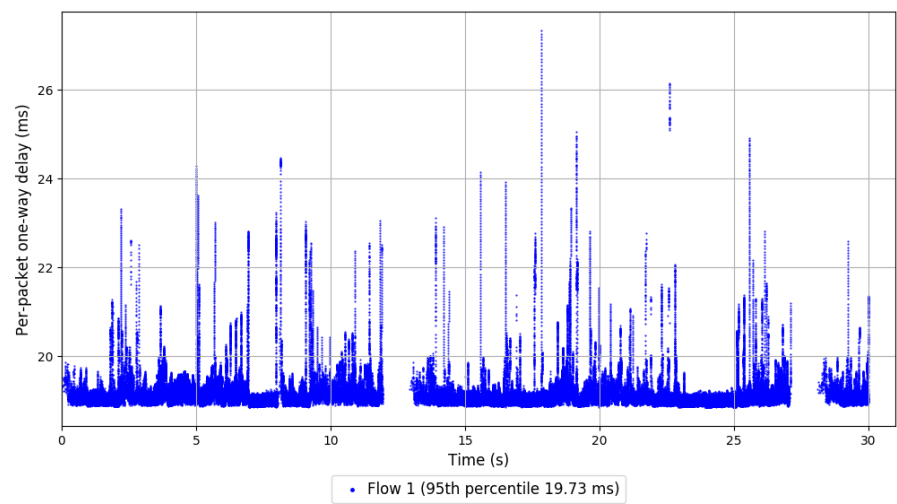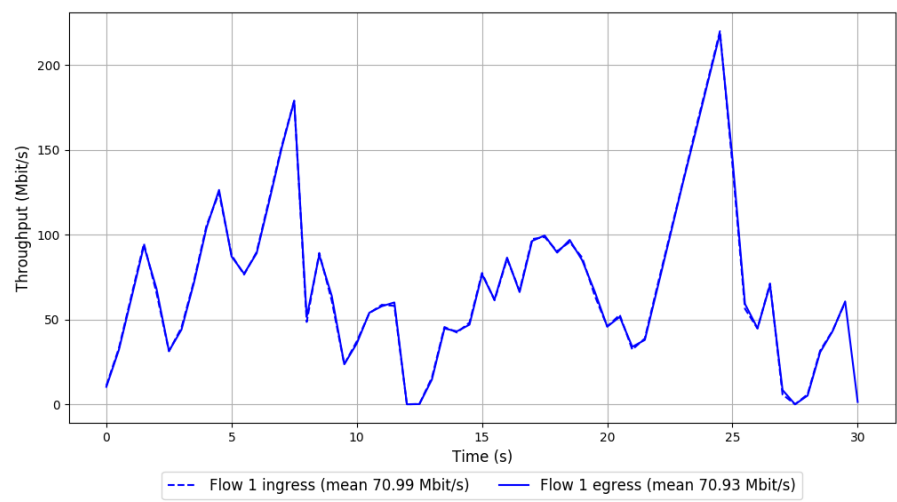# Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 17.51 Mbit/s) --- Flow 1 egress (mean 17.37 Mbit/s)

Flow 1 (95th percentile 19.72 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2017-11-15 23:58:58
End at: 2017-11-15 23:59:28
Local clock offset: 1.144 ms
Remote clock offset: -1.412 ms

# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.52 Mbit/s
95th percentile per-packet one-way delay: 19.700 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 26.52 Mbit/s
95th percentile per-packet one-way delay: 19.700 ms
Loss rate: 0.37%
```

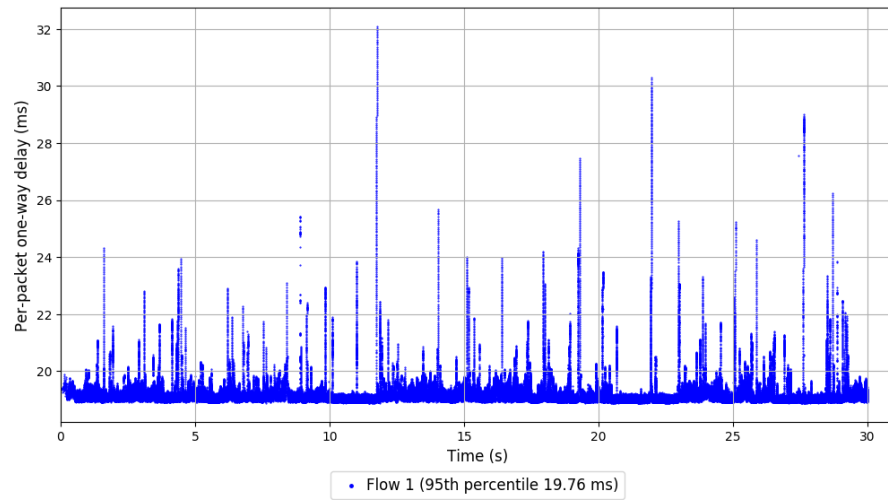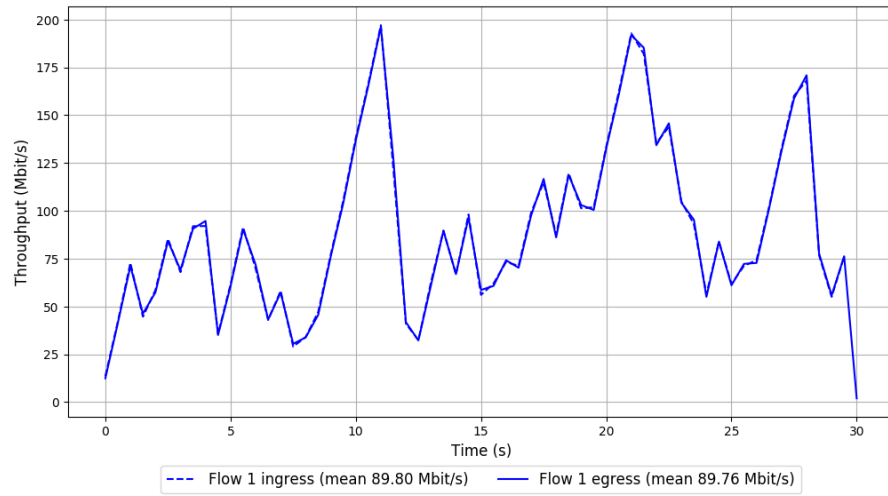Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 26.61 Mbit/s) --- Flow 1 egress (mean 26.52 Mbit/s)

Flow 1 (95th percentile 19.70 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2017-11-16 00:17:05
End at: 2017-11-16 00:17:35
Local clock offset: 0.746 ms
Remote clock offset: -1.525 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.78 Mbit/s
95th percentile per-packet one-way delay: 19.767 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 58.78 Mbit/s
95th percentile per-packet one-way delay: 19.767 ms
Loss rate: 0.13%
```

Run 3: Report of LEDBAT — Data Link

```
Run 4: Statistics of LEDBAT

Start at: 2017-11-16 00:35:10
End at: 2017-11-16 00:35:40
Local clock offset: 0.577 ms
Remote clock offset: -1.548 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.93 Mbit/s
95th percentile per-packet one-way delay: 19.734 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 70.93 Mbit/s
95th percentile per-packet one-way delay: 19.734 ms
Loss rate: 0.08%
```
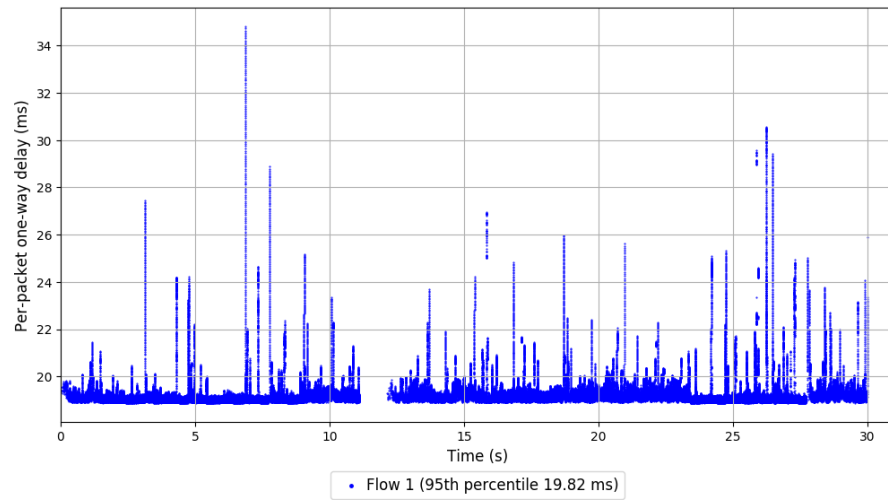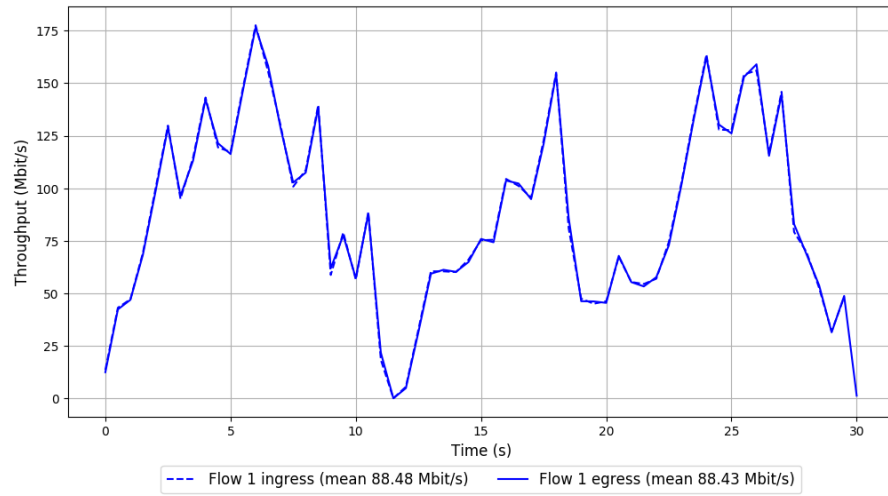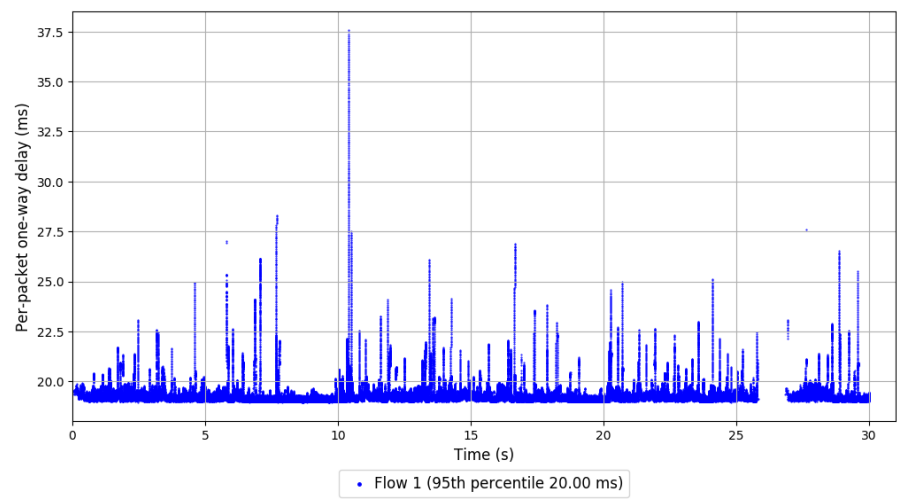
Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2017-11-16 00:53:19
End at: 2017-11-16 00:53:49
Local clock offset: 0.206 ms
Remote clock offset: -1.592 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 19.760 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 19.760 ms
Loss rate: 0.06%
```

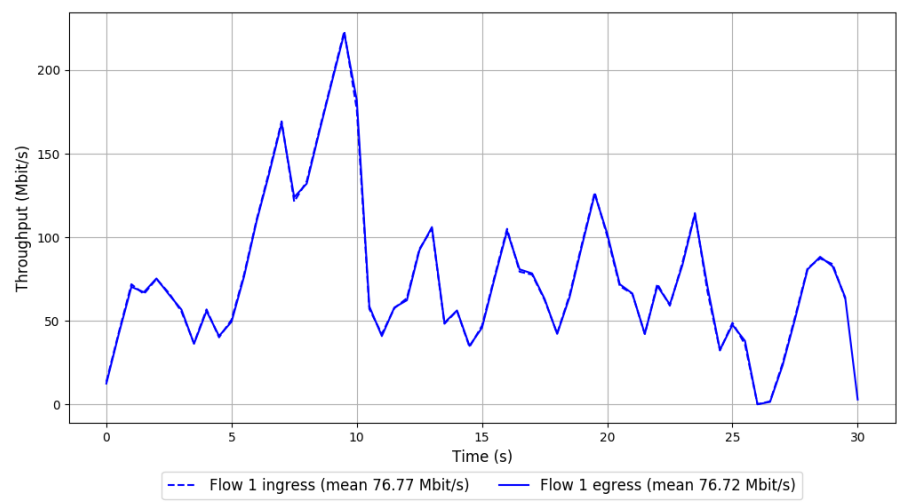Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2017-11-16 01:11:32
End at: 2017-11-16 01:12:02
Local clock offset: -0.164 ms
Remote clock offset: -1.5 ms

# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.43 Mbit/s
95th percentile per-packet one-way delay: 19.818 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 88.43 Mbit/s
95th percentile per-packet one-way delay: 19.818 ms
Loss rate: 0.05%
```
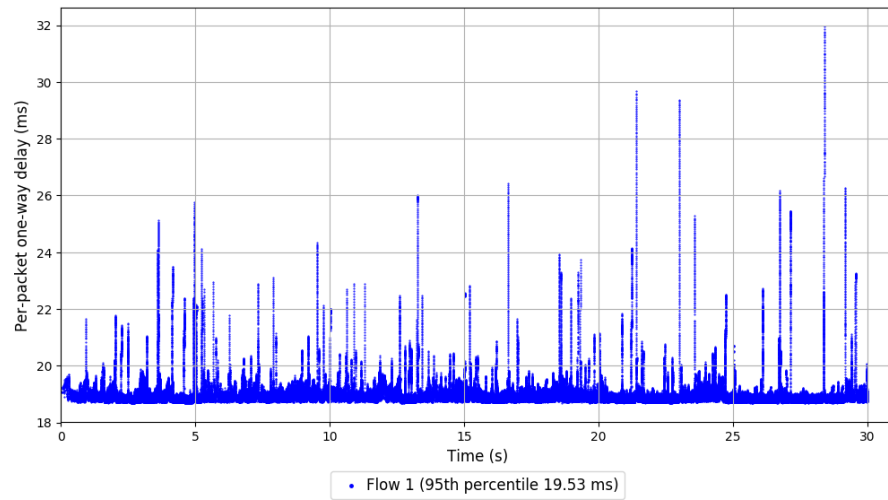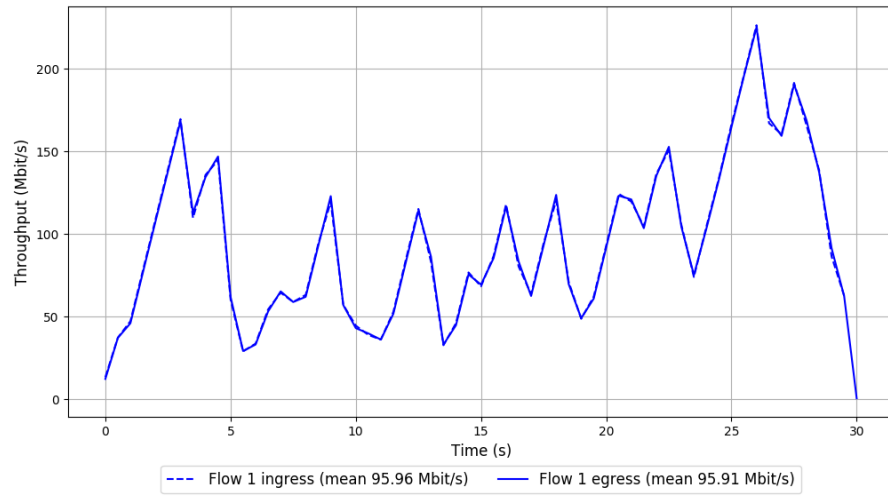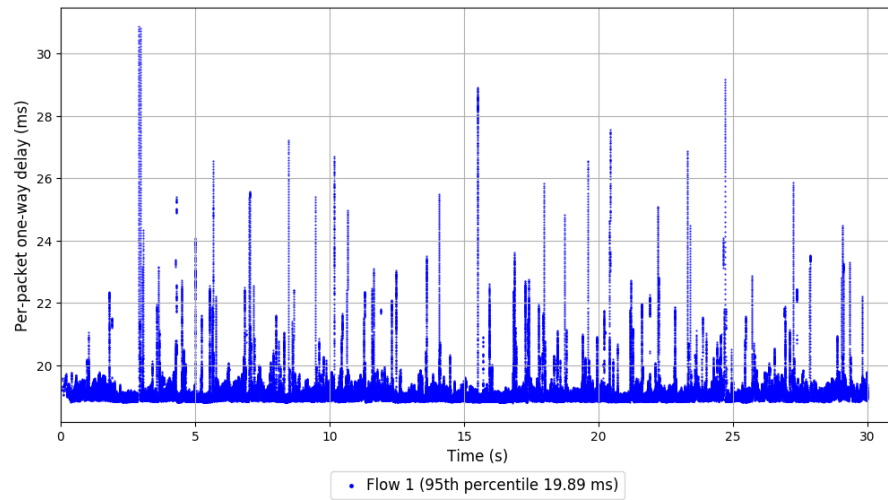
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 88.48 Mbit/s)   —— Flow 1 egress (mean 88.43 Mbit/s)

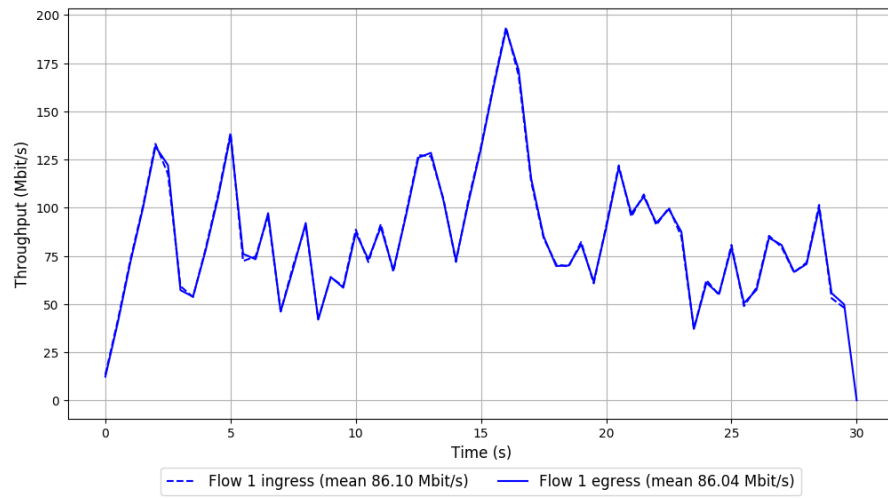

• Flow 1 (95th percentile 19.82 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2017-11-16 01:29:47
End at: 2017-11-16 01:30:17
Local clock offset: -0.249 ms
Remote clock offset: -1.512 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.72 Mbit/s
95th percentile per-packet one-way delay: 20.001 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 76.72 Mbit/s
95th percentile per-packet one-way delay: 20.001 ms
Loss rate: 0.07%
```

Run 7: Report of LEDBAT — Data Link

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```
Run 8: Statistics of LEDBAT

Start at: 2017-11-16 01:47:51
End at: 2017-11-16 01:48:21
Local clock offset: 0.181 ms
Remote clock offset: -1.46 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 19.530 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 19.530 ms
Loss rate: 0.05%
```
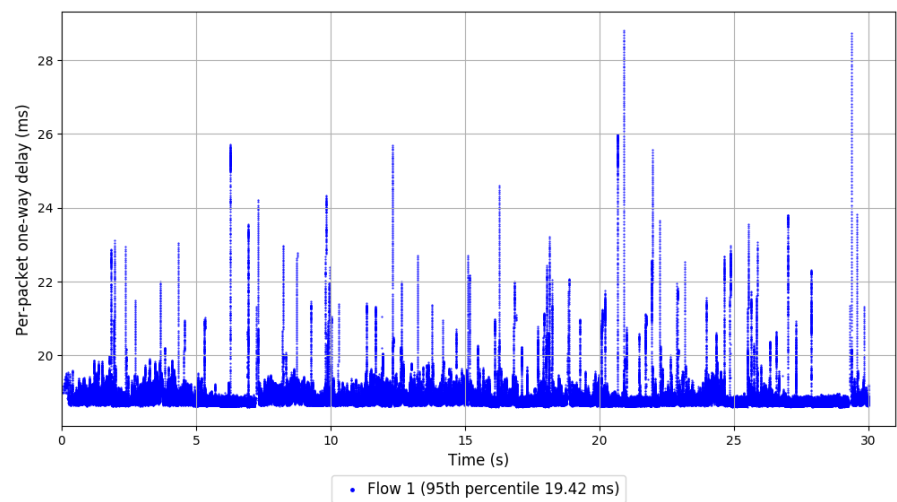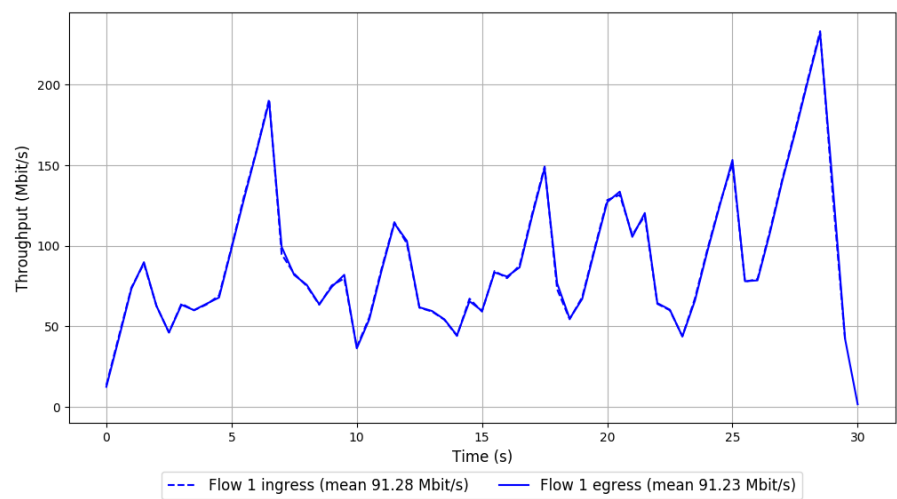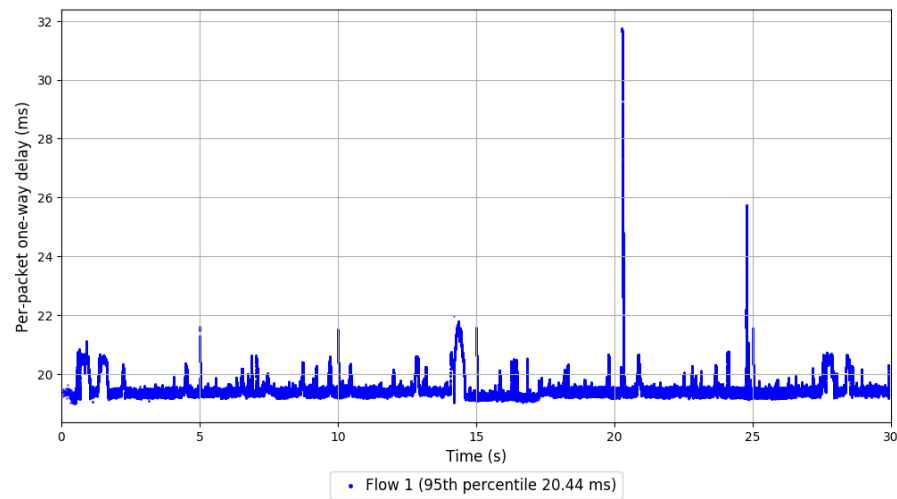
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 95.96 Mbit/s)   Flow 1 egress (mean 95.91 Mbit/s)

Flow 1 (95th percentile 19.53 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2017-11-16 02:06:04
End at: 2017-11-16 02:06:34
Local clock offset: 0.462 ms
Remote clock offset: -1.653 ms

# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.04 Mbit/s
95th percentile per-packet one-way delay: 19.890 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 86.04 Mbit/s
95th percentile per-packet one-way delay: 19.890 ms
Loss rate: 0.06%
```

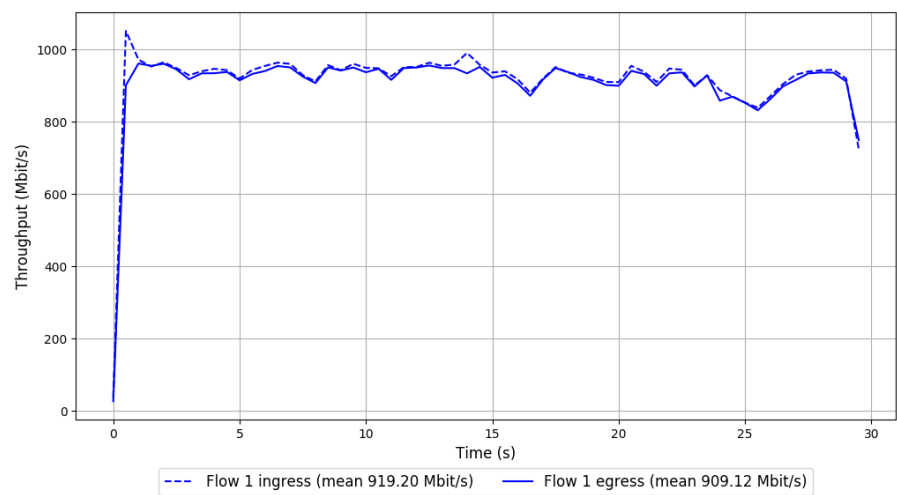Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: 2017-11-16 02:24:20
End at: 2017-11-16 02:24:50
Local clock offset: 0.579 ms
Remote clock offset: -1.591 ms


# Below is generated by plot.py at 2017-11-16 04:00:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 19.416 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: 19.416 ms
Loss rate: 0.05%
```

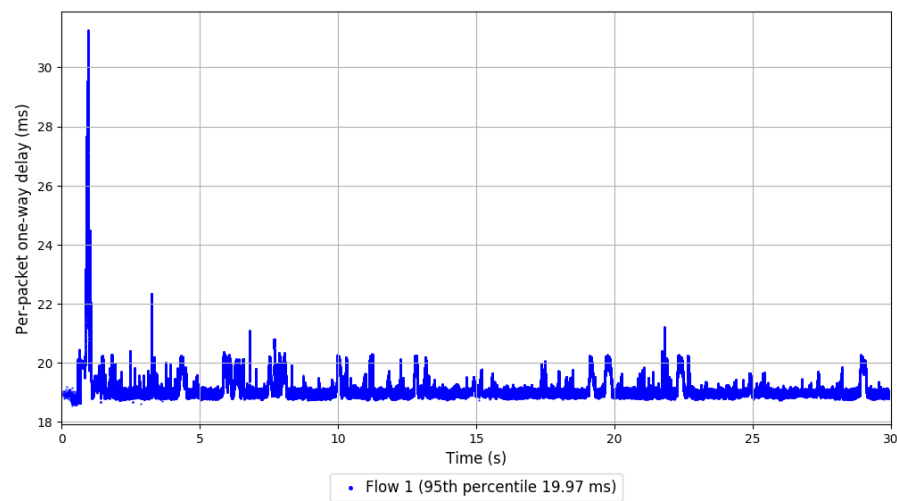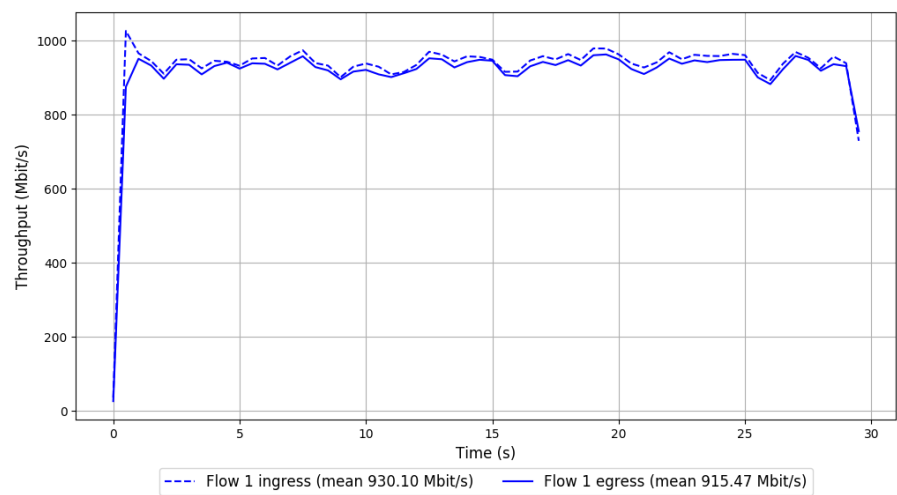Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: 2017-11-15 23:36:53
End at: 2017-11-15 23:37:23
Local clock offset: 1.474 ms
Remote clock offset: -0.811 ms


# Below is generated by plot.py at 2017-11-16 04:11:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 909.12 Mbit/s
95th percentile per-packet one-way delay: 20.436 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 909.12 Mbit/s
95th percentile per-packet one-way delay: 20.436 ms
Loss rate: 1.09%
```
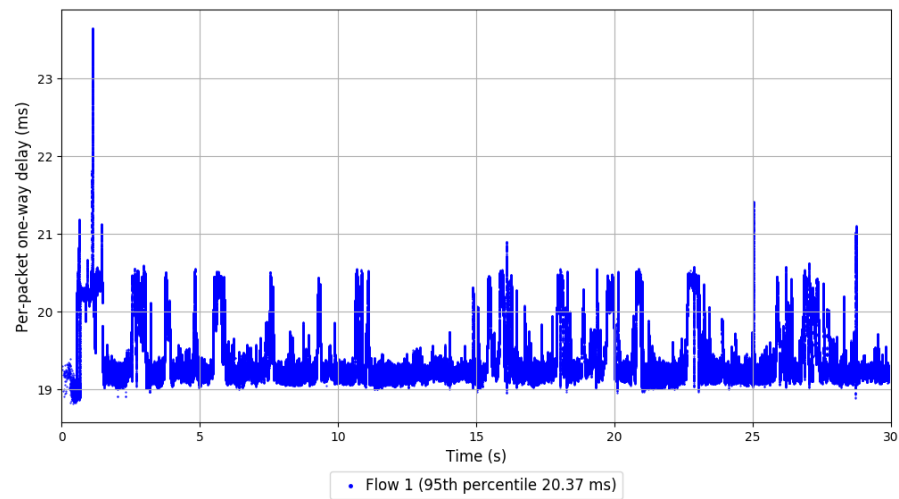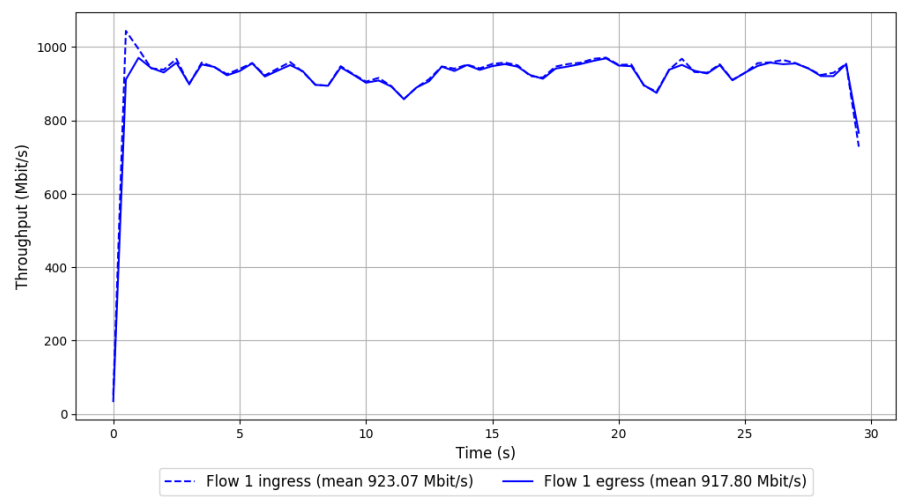
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 919.20 Mbit/s) ----   Flow 1 egress (mean 909.12 Mbit/s) ——

• Flow 1 (95th percentile 20.44 ms)

```
Run 2: Statistics of PCC

Start at: 2017-11-15 23:55:01
End at: 2017-11-15 23:55:31
Local clock offset: 1.328 ms
Remote clock offset: -1.384 ms


# Below is generated by plot.py at 2017-11-16 04:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 915.47 Mbit/s
95th percentile per-packet one-way delay: 19.973 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 915.47 Mbit/s
95th percentile per-packet one-way delay: 19.973 ms
Loss rate: 1.57%
```
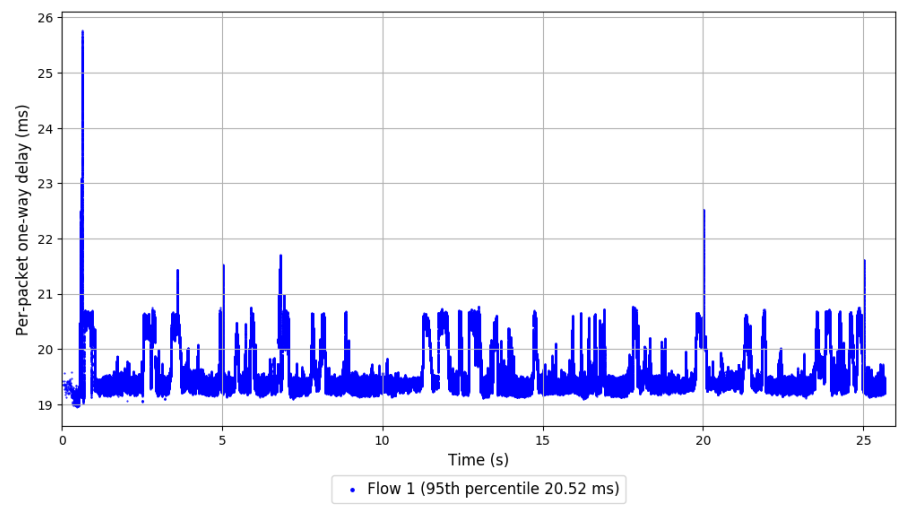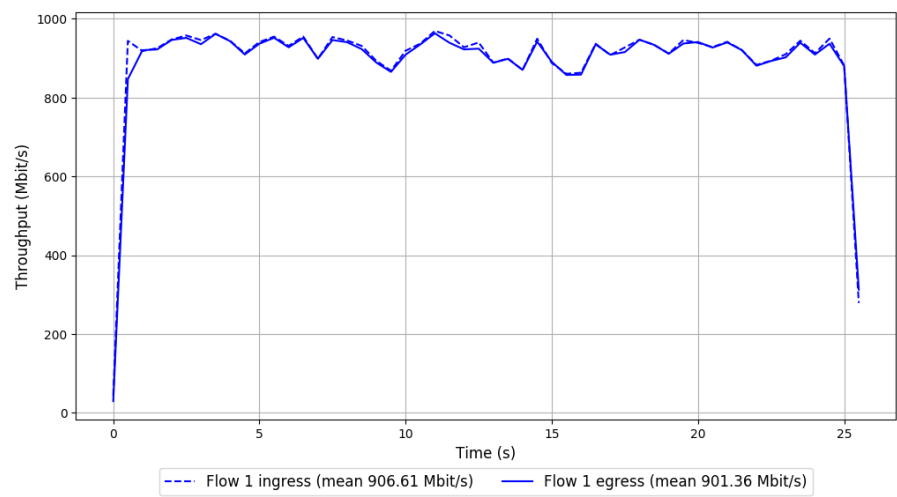
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 930.10 Mbit/s)   Flow 1 egress (mean 915.47 Mbit/s)

Flow 1 (95th percentile 19.97 ms)

```
Run 3: Statistics of PCC

Start at: 2017-11-16 00:13:08
End at: 2017-11-16 00:13:38
Local clock offset: 0.818 ms
Remote clock offset: -1.512 ms


# Below is generated by plot.py at 2017-11-16 04:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 917.80 Mbit/s
95th percentile per-packet one-way delay: 20.366 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 917.80 Mbit/s
95th percentile per-packet one-way delay: 20.366 ms
Loss rate: 0.57%
```
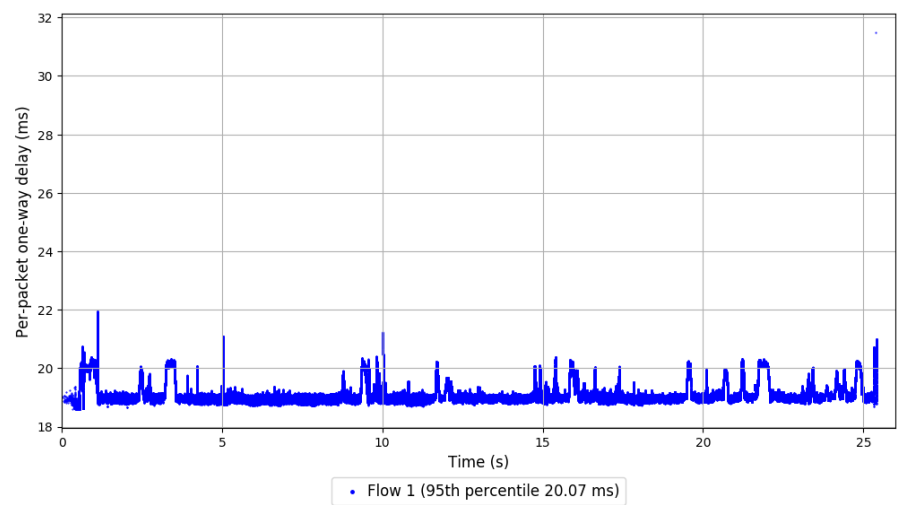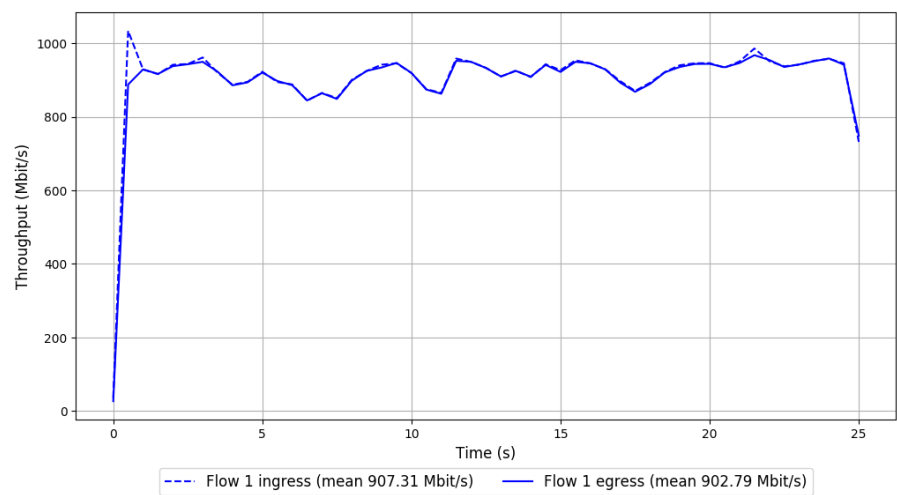
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 923.07 Mbit/s) — — — Flow 1 egress (mean 917.80 Mbit/s)
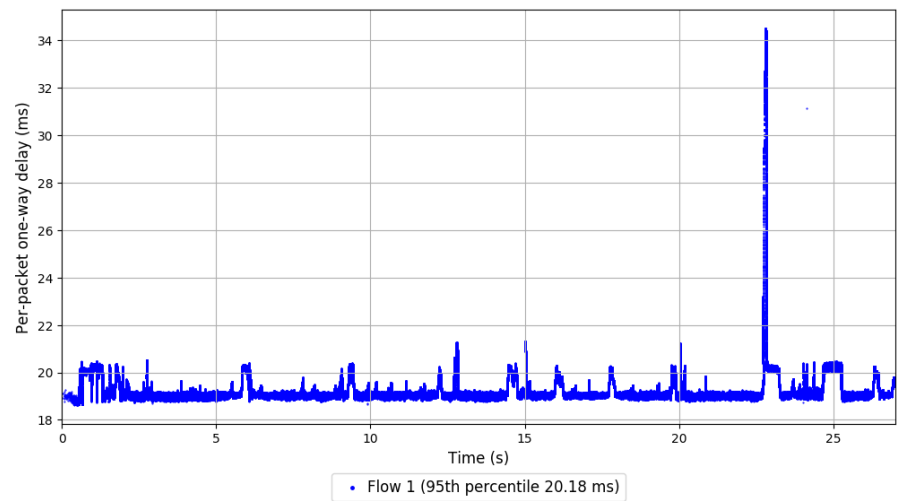

• Flow 1 (95th percentile 20.37 ms)

```
Run 4: Statistics of PCC

Start at: 2017-11-16 00:31:17
End at: 2017-11-16 00:31:47
Local clock offset: 0.518 ms
Remote clock offset: -1.44 ms


# Below is generated by plot.py at 2017-11-16 04:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 901.36 Mbit/s
95th percentile per-packet one-way delay: 20.520 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 901.36 Mbit/s
95th percentile per-packet one-way delay: 20.520 ms
Loss rate: 0.58%
```
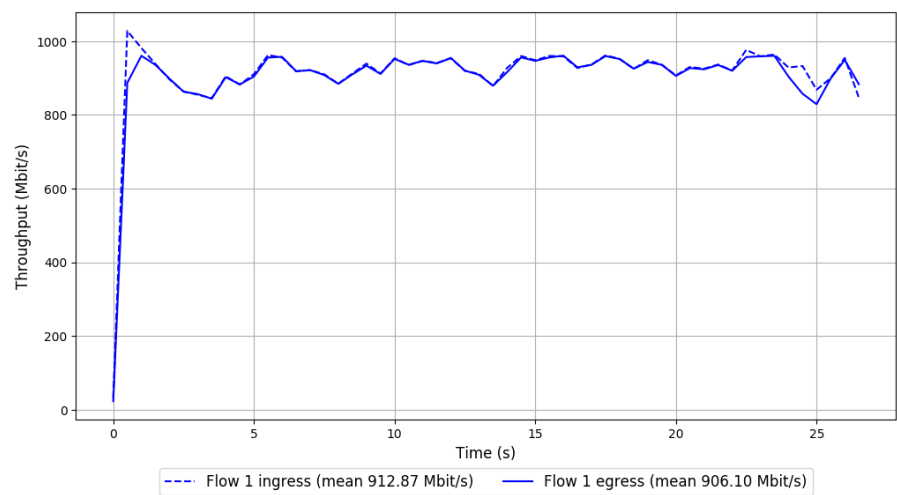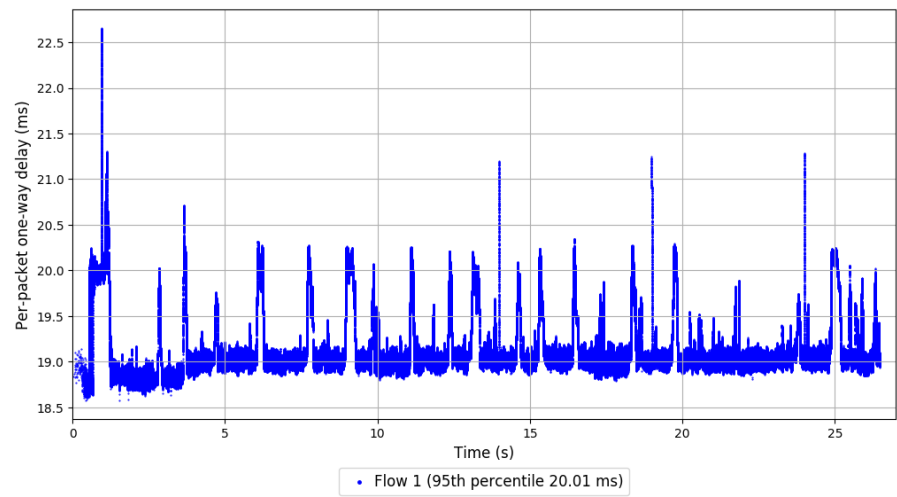
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 906.61 Mbit/s)   Flow 1 egress (mean 901.36 Mbit/s)

• Flow 1 (95th percentile 20.52 ms)

```
Run 5: Statistics of PCC

Start at: 2017-11-16 00:49:26
End at: 2017-11-16 00:49:56
Local clock offset: 0.4 ms
Remote clock offset: -1.567 ms


# Below is generated by plot.py at 2017-11-16 04:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 902.79 Mbit/s
95th percentile per-packet one-way delay: 20.065 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 902.79 Mbit/s
95th percentile per-packet one-way delay: 20.065 ms
Loss rate: 0.49%
```
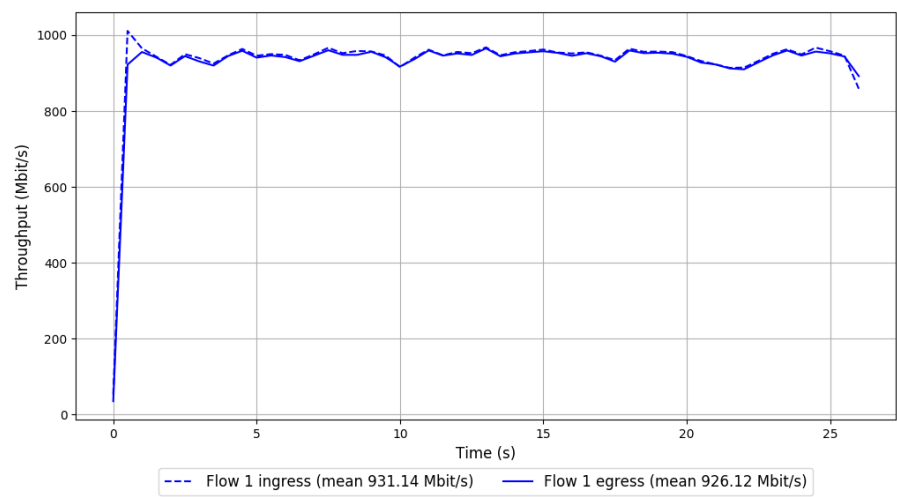
Run 5: Report of PCC — Data Link

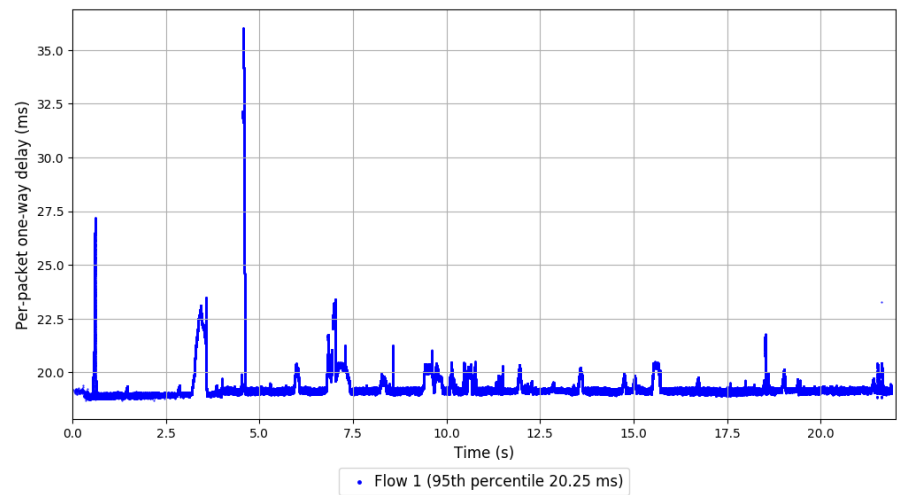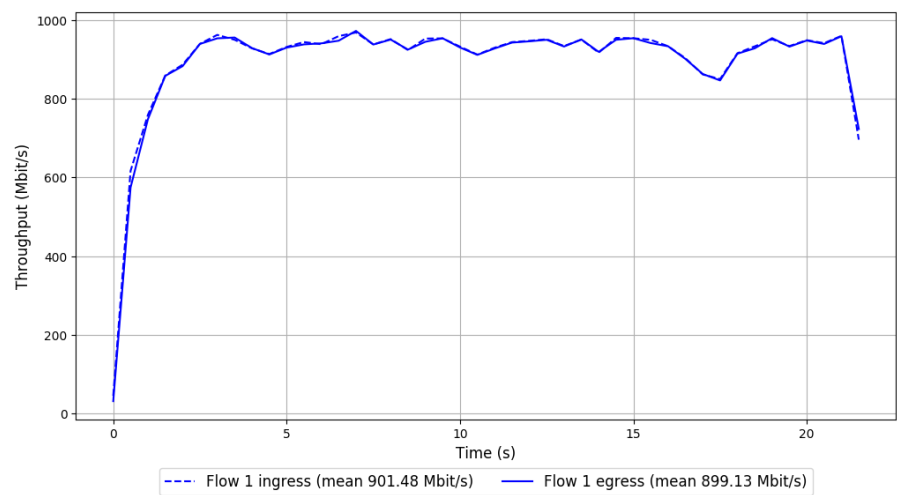Flow 1 ingress (mean 907.31 Mbit/s)   Flow 1 egress (mean 902.79 Mbit/s)

Flow 1 (95th percentile 20.07 ms)

```
Run 6: Statistics of PCC

Start at: 2017-11-16 01:07:37
End at: 2017-11-16 01:08:07
Local clock offset: -0.012 ms
Remote clock offset: -1.452 ms


# Below is generated by plot.py at 2017-11-16 04:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 906.10 Mbit/s
95th percentile per-packet one-way delay: 20.181 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 906.10 Mbit/s
95th percentile per-packet one-way delay: 20.181 ms
Loss rate: 0.74%
```

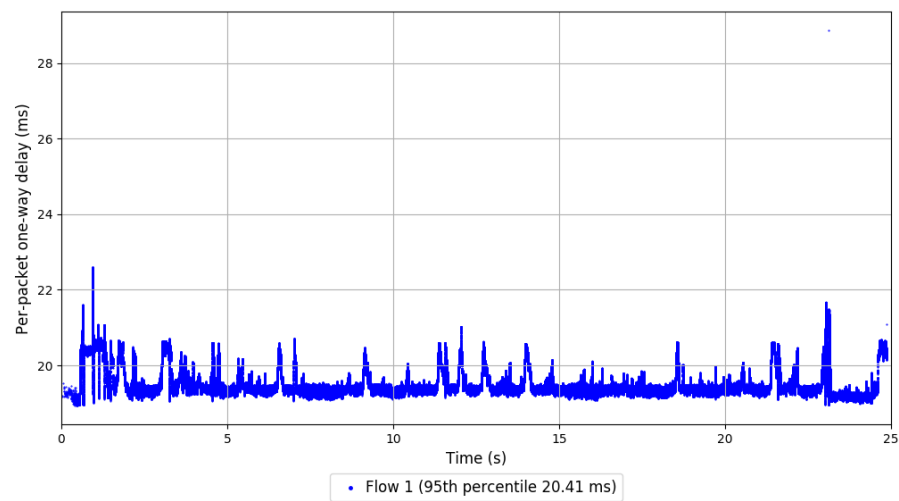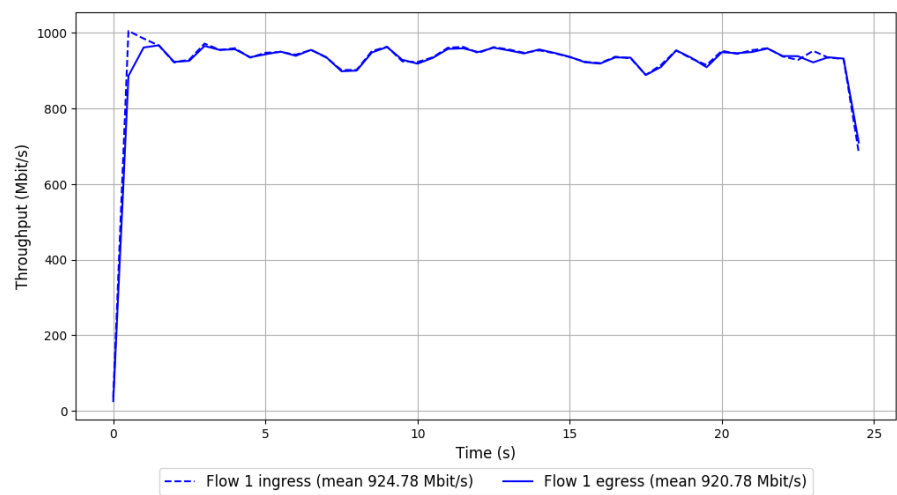## Run 6: Report of PCC — Data Link

```
Run 7: Statistics of PCC

Start at: 2017-11-16 01:25:52
End at: 2017-11-16 01:26:22
Local clock offset: -0.182 ms
Remote clock offset: -1.566 ms


# Below is generated by plot.py at 2017-11-16 04:12:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 926.12 Mbit/s
95th percentile per-packet one-way delay: 20.006 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 926.12 Mbit/s
95th percentile per-packet one-way delay: 20.006 ms
Loss rate: 0.54%
```
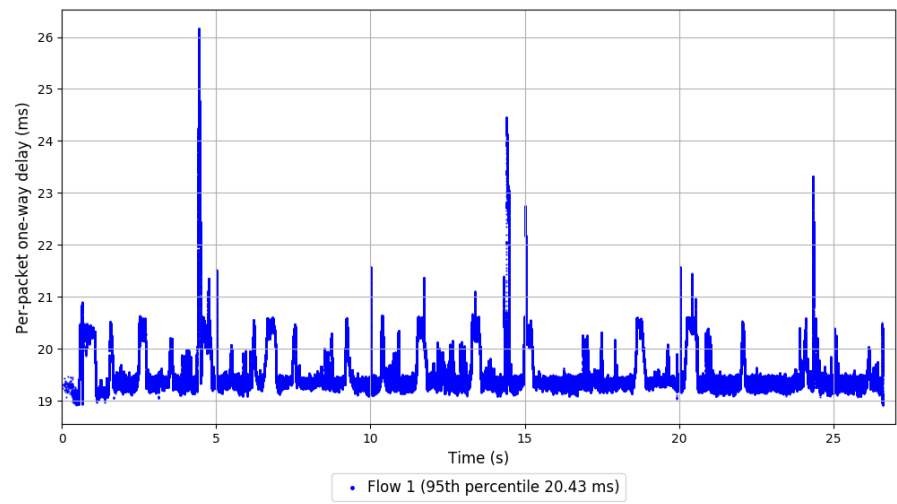
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 931.14 Mbit/s)   Flow 1 egress (mean 926.12 Mbit/s)

Flow 1 (95th percentile 20.01 ms)

```
Run 8: Statistics of PCC

Start at: 2017-11-16 01:44:01
End at: 2017-11-16 01:44:31
Local clock offset: 0.116 ms
Remote clock offset: -1.442 ms
```

Run 8: Report of PCC — Data Link

```
Run 9: Statistics of PCC

Start at: 2017-11-16 02:02:10
End at: 2017-11-16 02:02:40
Local clock offset: 0.376 ms
Remote clock offset: -1.607 ms


# Below is generated by plot.py at 2017-11-16 04:21:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 920.78 Mbit/s
95th percentile per-packet one-way delay: 20.413 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 920.78 Mbit/s
95th percentile per-packet one-way delay: 20.413 ms
Loss rate: 0.42%
```
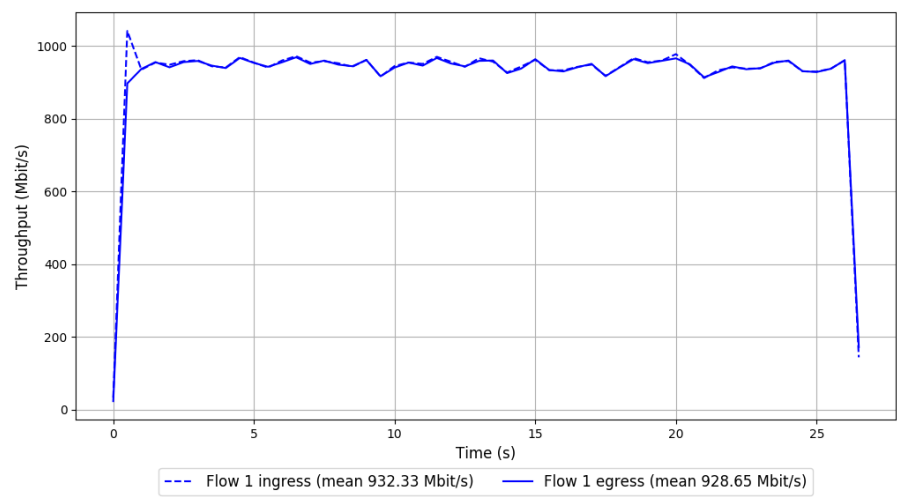
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 924.78 Mbit/s)   Flow 1 egress (mean 920.78 Mbit/s)

· Flow 1 (95th percentile 20.41 ms)

```
Run 10: Statistics of PCC

Start at: 2017-11-16 02:20:25
End at: 2017-11-16 02:20:55
Local clock offset: 0.481 ms
Remote clock offset: -1.57 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 928.65 Mbit/s
95th percentile per-packet one-way delay: 20.429 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 928.65 Mbit/s
95th percentile per-packet one-way delay: 20.429 ms
Loss rate: 0.39%
```
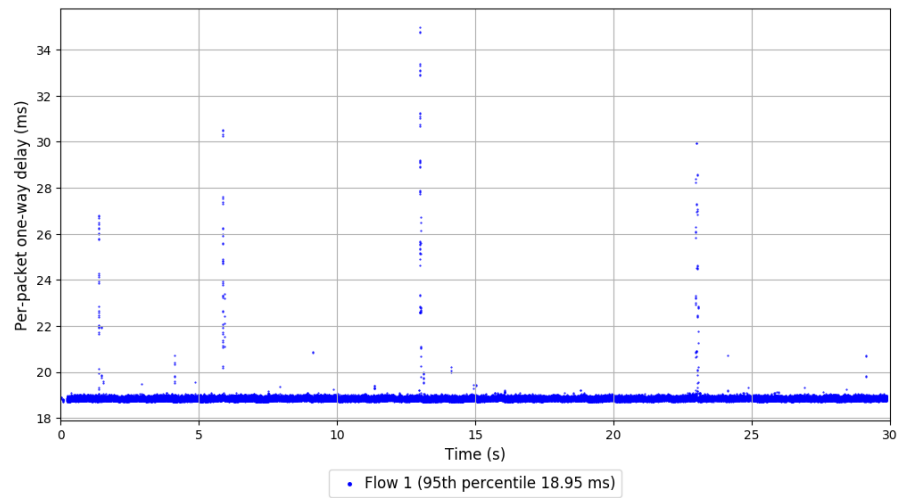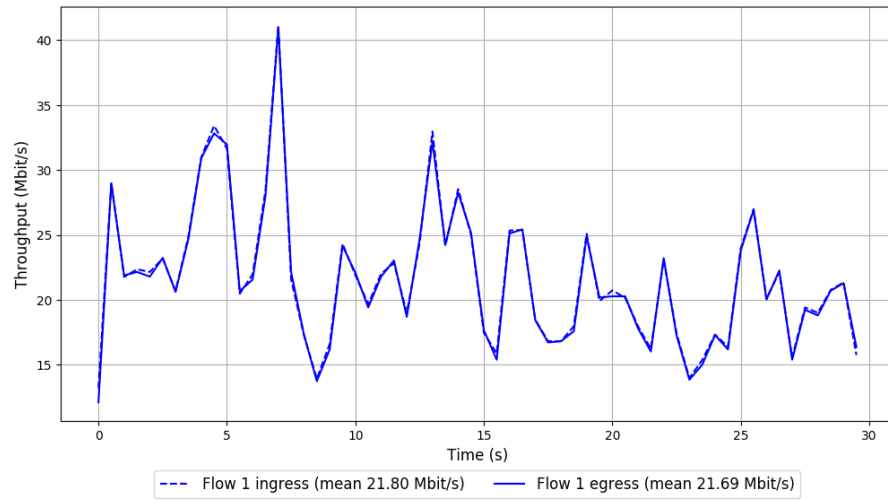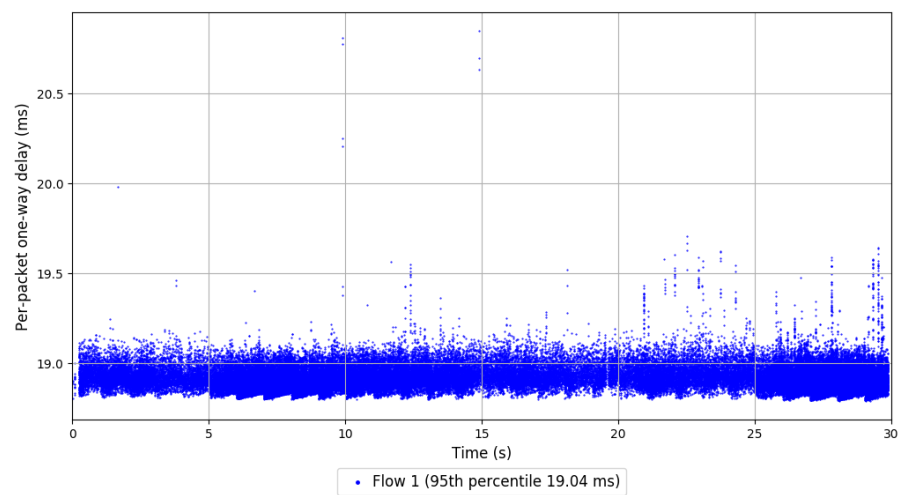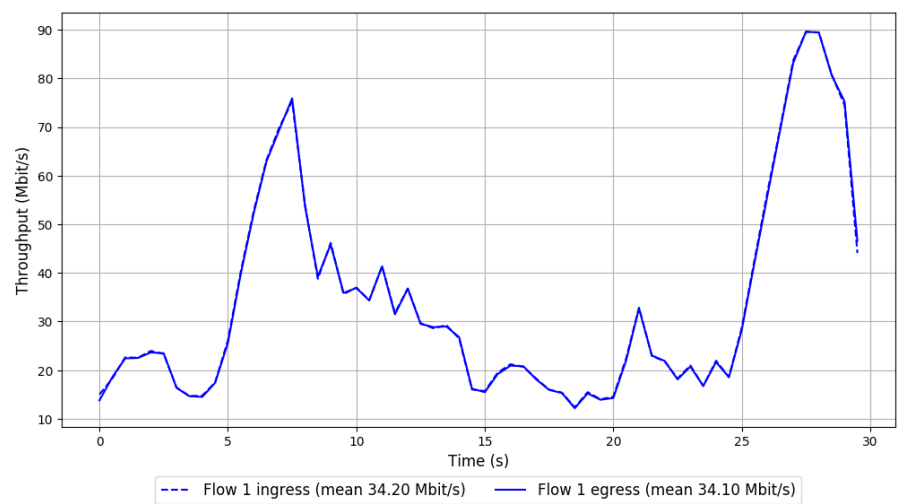
Run 10: Report of PCC — Data Link

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-11-15 23:30:41
End at: 2017-11-15 23:31:11
Local clock offset: 1.49 ms
Remote clock offset: -0.698 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 18.94 ms)

```
Run 2: Statistics of QUIC Cubic

Start at: 2017-11-15 23:48:45
End at: 2017-11-15 23:49:15
Local clock offset: 1.339 ms
Remote clock offset: -1.18 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.69 Mbit/s
95th percentile per-packet one-way delay: 18.946 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 21.69 Mbit/s
95th percentile per-packet one-way delay: 18.946 ms
Loss rate: 0.51%
```
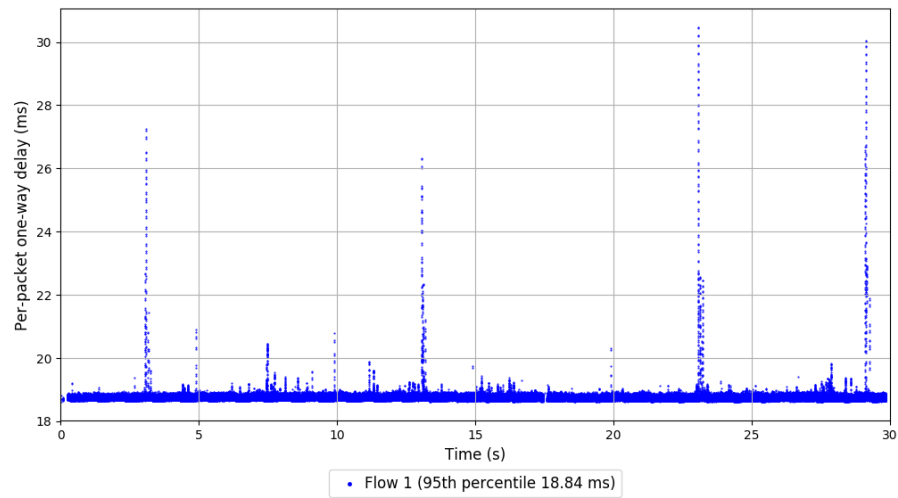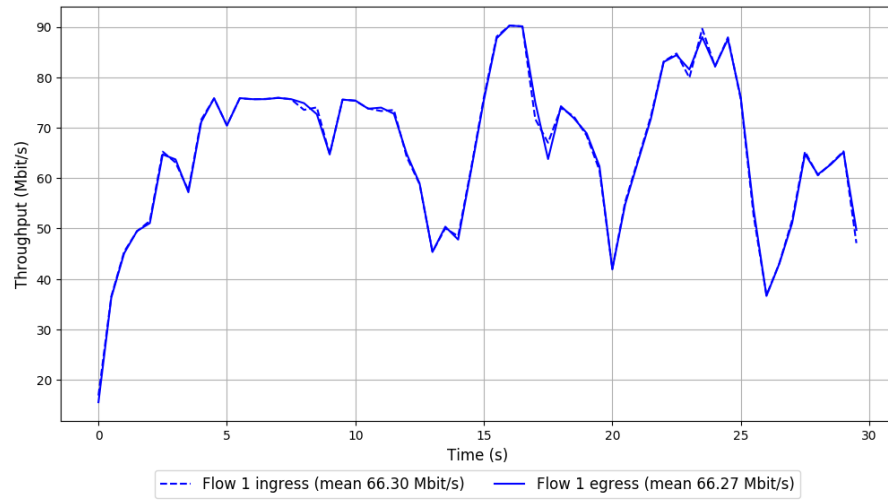
Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 21.80 Mbit/s) --- Flow 1 egress (mean 21.69 Mbit/s)

Flow 1 (95th percentile 18.95 ms)

```
Run 3: Statistics of QUIC Cubic

Start at: 2017-11-16 00:06:50
End at: 2017-11-16 00:07:20
Local clock offset: 1.031 ms
Remote clock offset: -1.43 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.10 Mbit/s
95th percentile per-packet one-way delay: 19.038 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 34.10 Mbit/s
95th percentile per-packet one-way delay: 19.038 ms
Loss rate: 0.28%
```
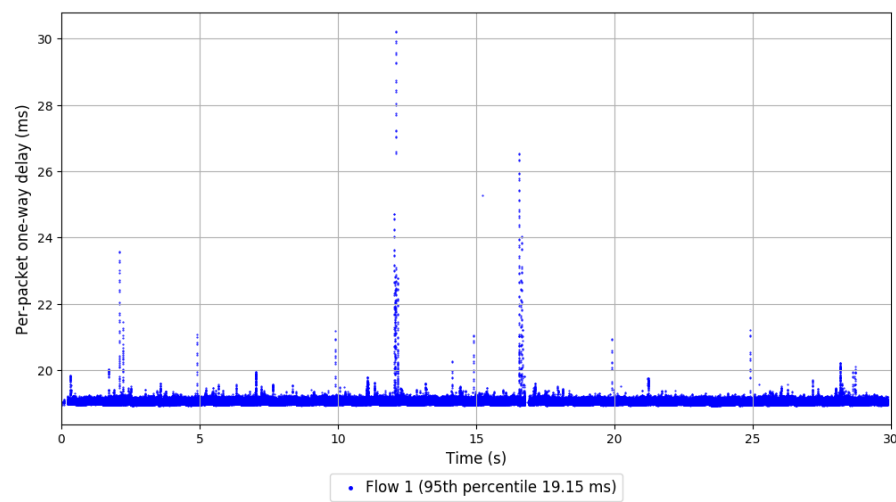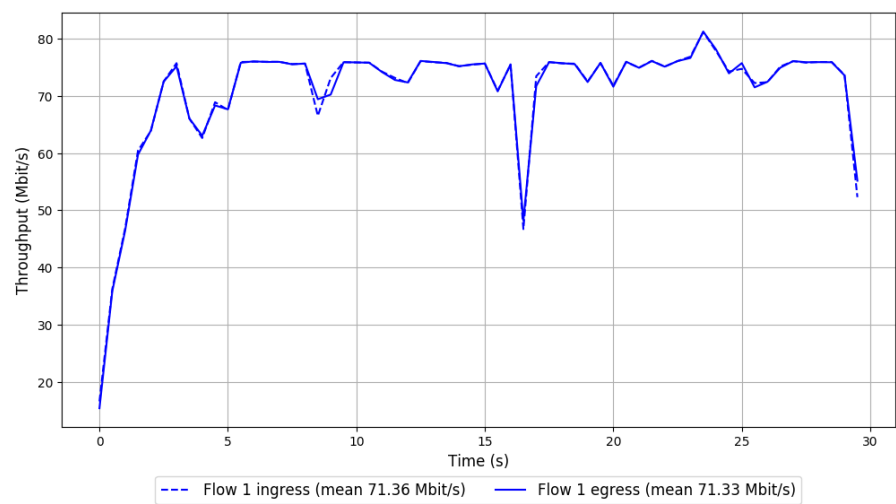
Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-11-16 00:25:00
End at: 2017-11-16 00:25:30
Local clock offset: 0.642 ms
Remote clock offset: -1.385 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 18.841 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 18.841 ms
Loss rate: 0.05%
```
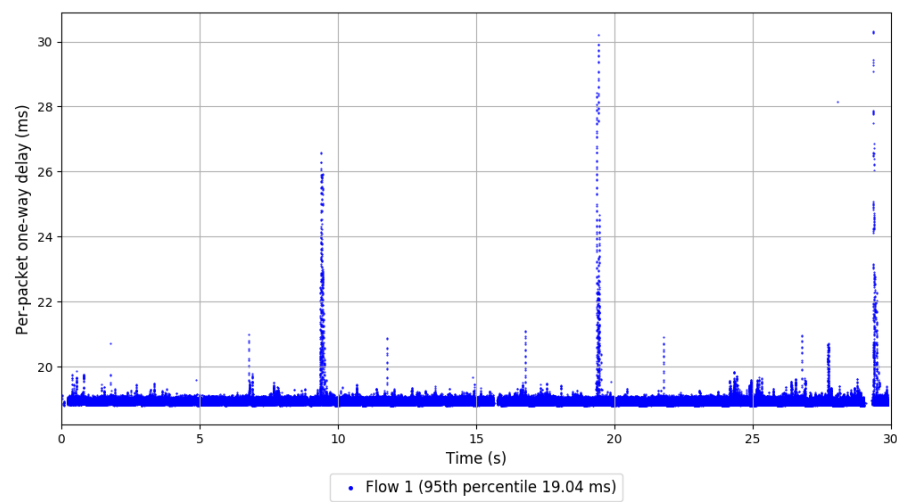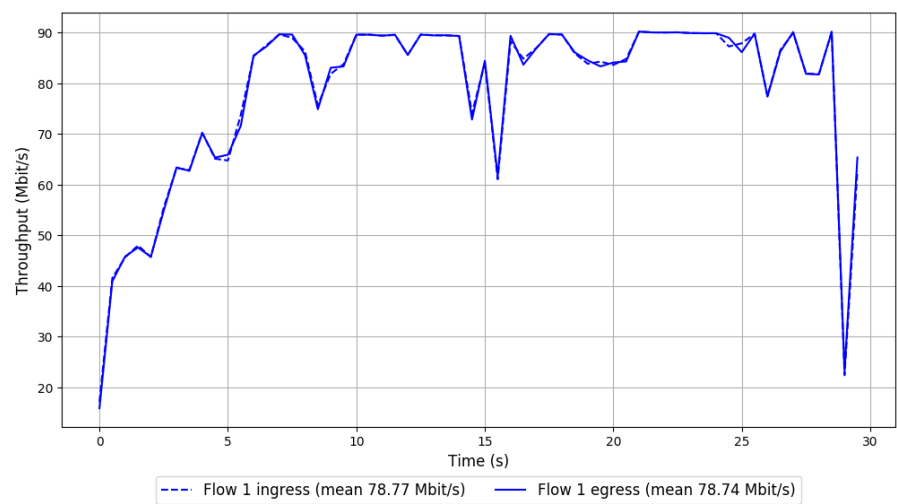
Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 66.30 Mbit/s)   Flow 1 egress (mean 66.27 Mbit/s)

Flow 1 (95th percentile 18.84 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2017-11-16 00:43:06
End at: 2017-11-16 00:43:36
Local clock offset: 0.422 ms
Remote clock offset: -1.489 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.33 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 71.33 Mbit/s
95th percentile per-packet one-way delay: 19.152 ms
Loss rate: 0.03%
```
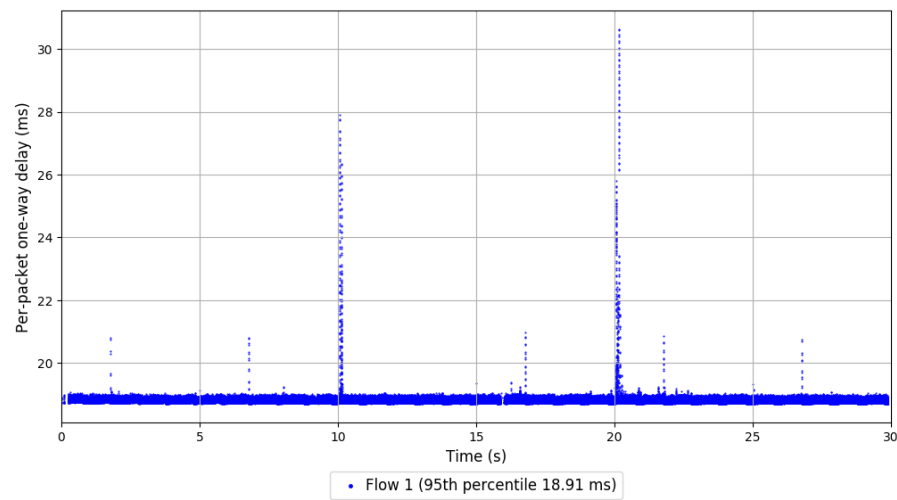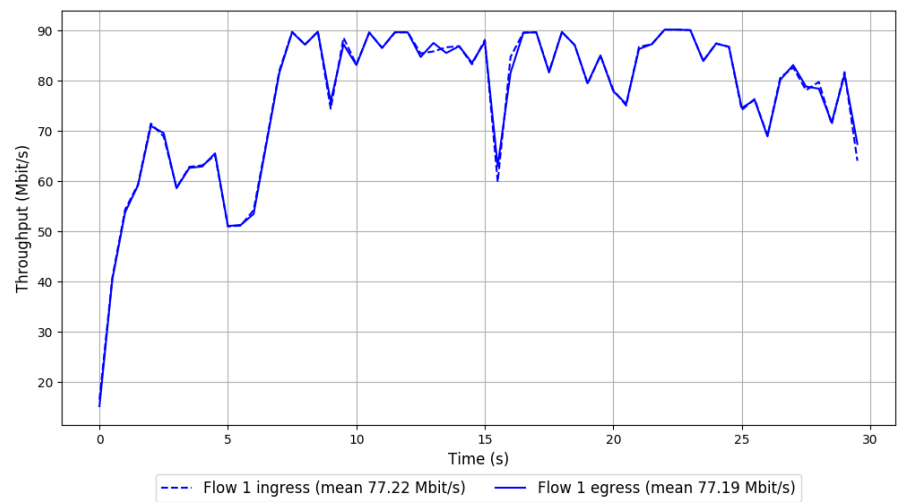
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 71.36 Mbit/s) --- Flow 1 egress (mean 71.33 Mbit/s)

Flow 1 (95th percentile 19.15 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2017-11-16 01:01:18
End at: 2017-11-16 01:01:48
Local clock offset: 0.144 ms
Remote clock offset: -1.463 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 19.039 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 78.74 Mbit/s
95th percentile per-packet one-way delay: 19.039 ms
Loss rate: 0.03%
```
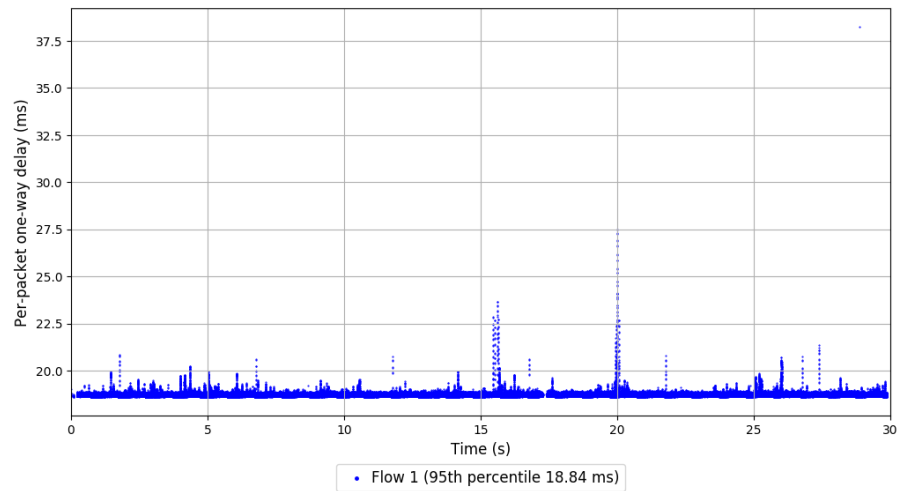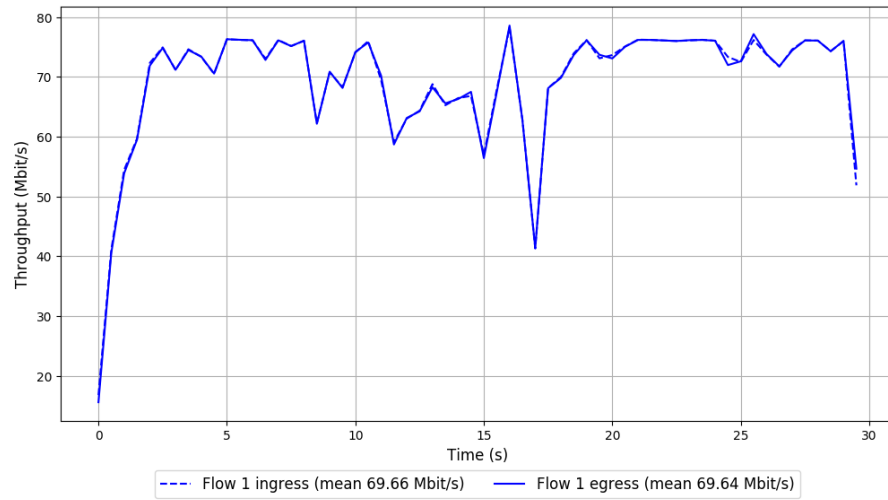
Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 78.77 Mbit/s)   Flow 1 egress (mean 78.74 Mbit/s)

• Flow 1 (95th percentile 19.04 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-11-16 01:19:33
End at: 2017-11-16 01:20:03
Local clock offset: -0.265 ms
Remote clock offset: -1.449 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 18.911 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: 18.911 ms
Loss rate: 0.04%
```
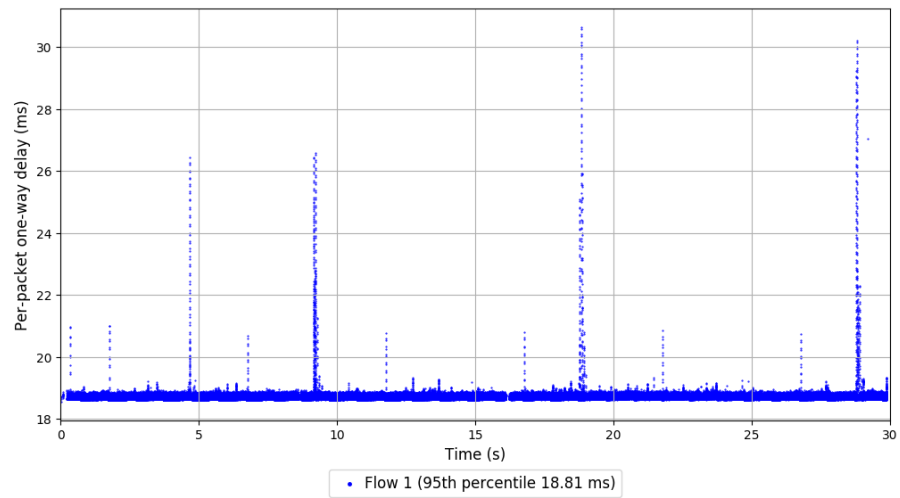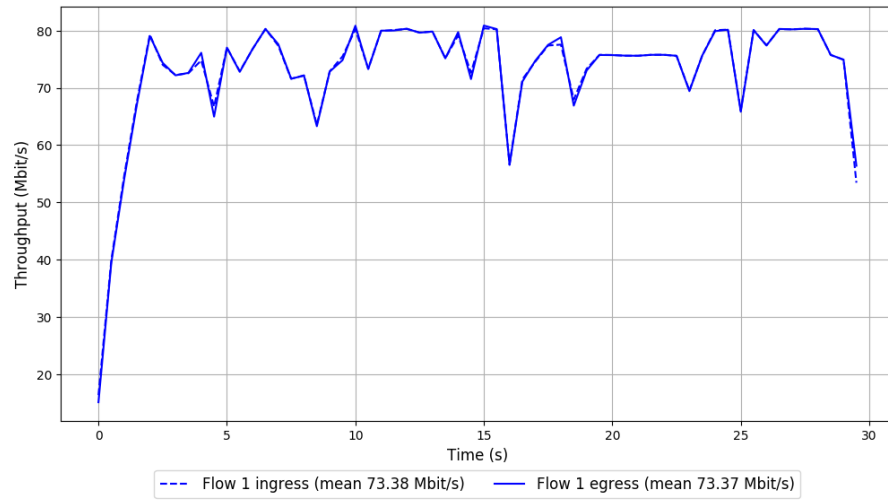
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 77.22 Mbit/s)   Flow 1 egress (mean 77.19 Mbit/s)

Flow 1 (95th percentile 18.91 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2017-11-16 01:37:43
End at: 2017-11-16 01:38:13
Local clock offset: 0.018 ms
Remote clock offset: -1.558 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.64 Mbit/s
95th percentile per-packet one-way delay: 18.843 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 69.64 Mbit/s
95th percentile per-packet one-way delay: 18.843 ms
Loss rate: 0.04%
```
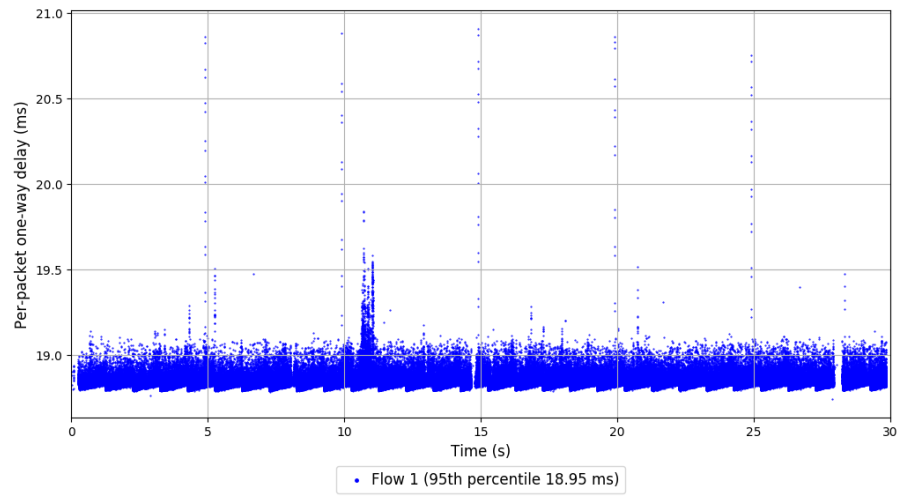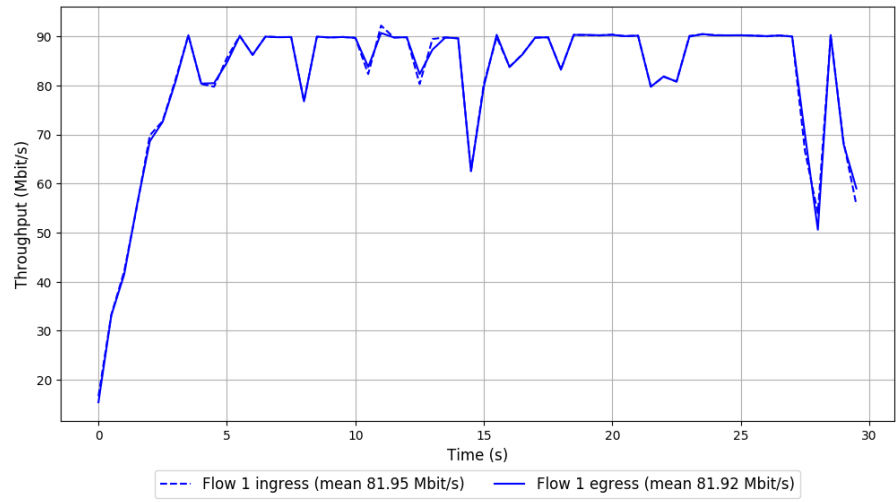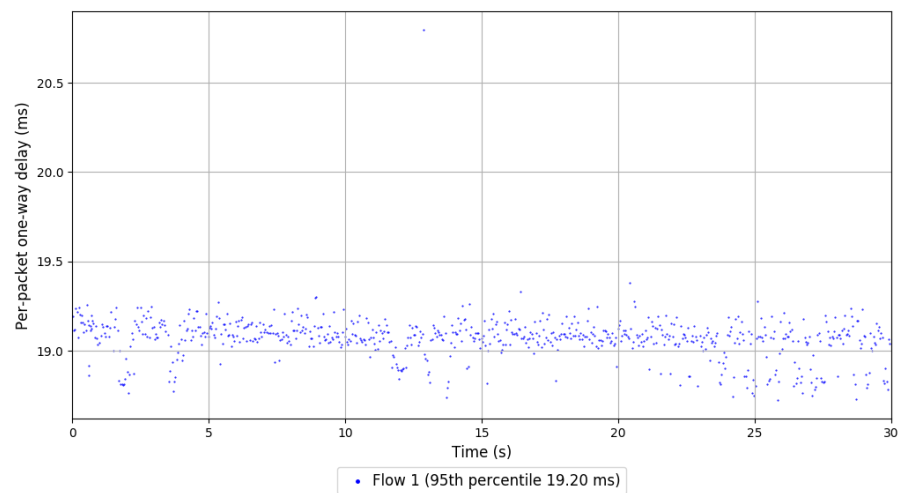
Run 8: Report of QUIC Cubic — Data Link

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-11-16 01:55:49
End at: 2017-11-16 01:56:19
Local clock offset: 0.374 ms
Remote clock offset: -1.52 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.37 Mbit/s
95th percentile per-packet one-way delay: 18.813 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 73.37 Mbit/s
95th percentile per-packet one-way delay: 18.813 ms
Loss rate: 0.03%
```
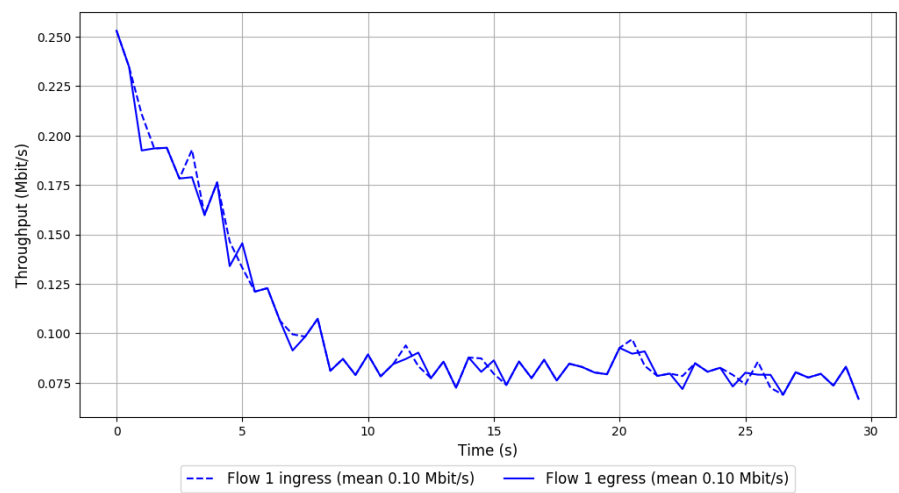
Run 9: Report of QUIC Cubic — Data Link

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-11-16 02:14:05
End at: 2017-11-16 02:14:35
Local clock offset: 0.542 ms
Remote clock offset: -1.573 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 18.946 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 81.92 Mbit/s
95th percentile per-packet one-way delay: 18.946 ms
Loss rate: 0.03%
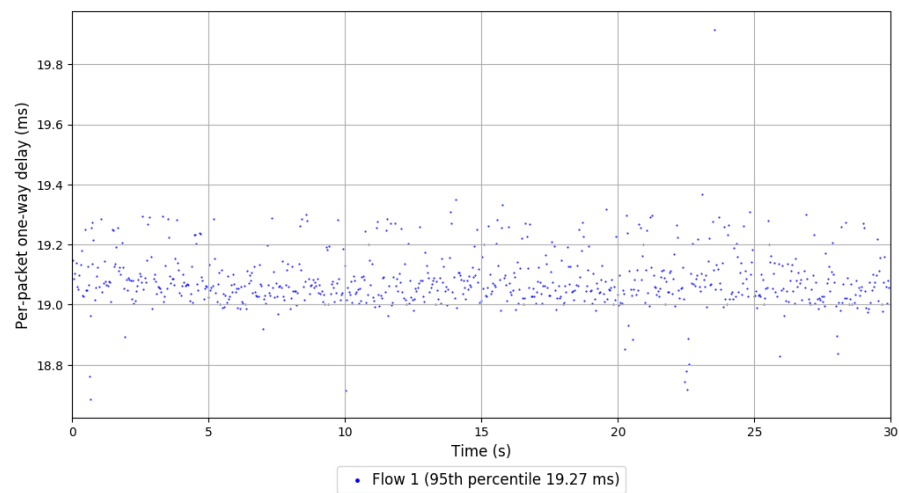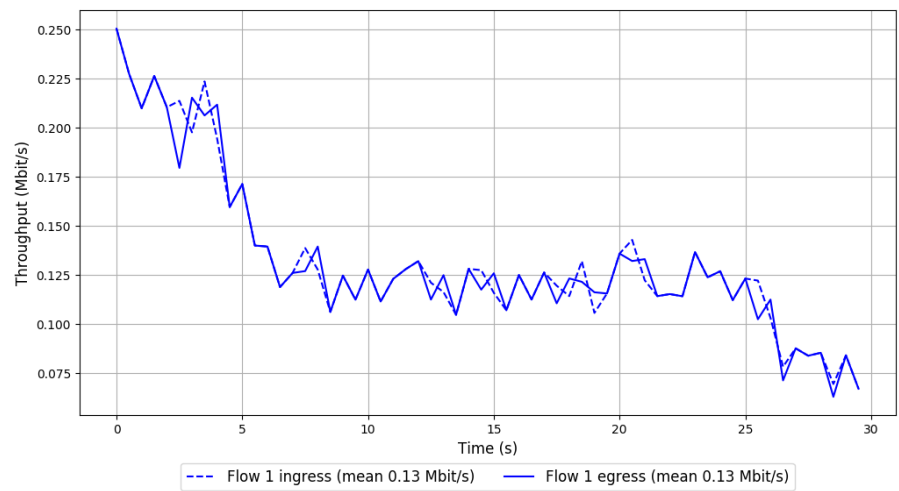```

# Run 10: Report of QUIC Cubic — Data Link

```
Run 1: Statistics of SCReAM

Start at: 2017-11-15 23:28:14
End at: 2017-11-15 23:28:44
Local clock offset: 1.466 ms
Remote clock offset: -0.648 ms

Below is generated by plot.py at 2017-11-16 04:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 19.205 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 0.10 Mbit/s
95th percentile per-packet one-way delay: 19.205 ms
Loss rate: 0.75%
```
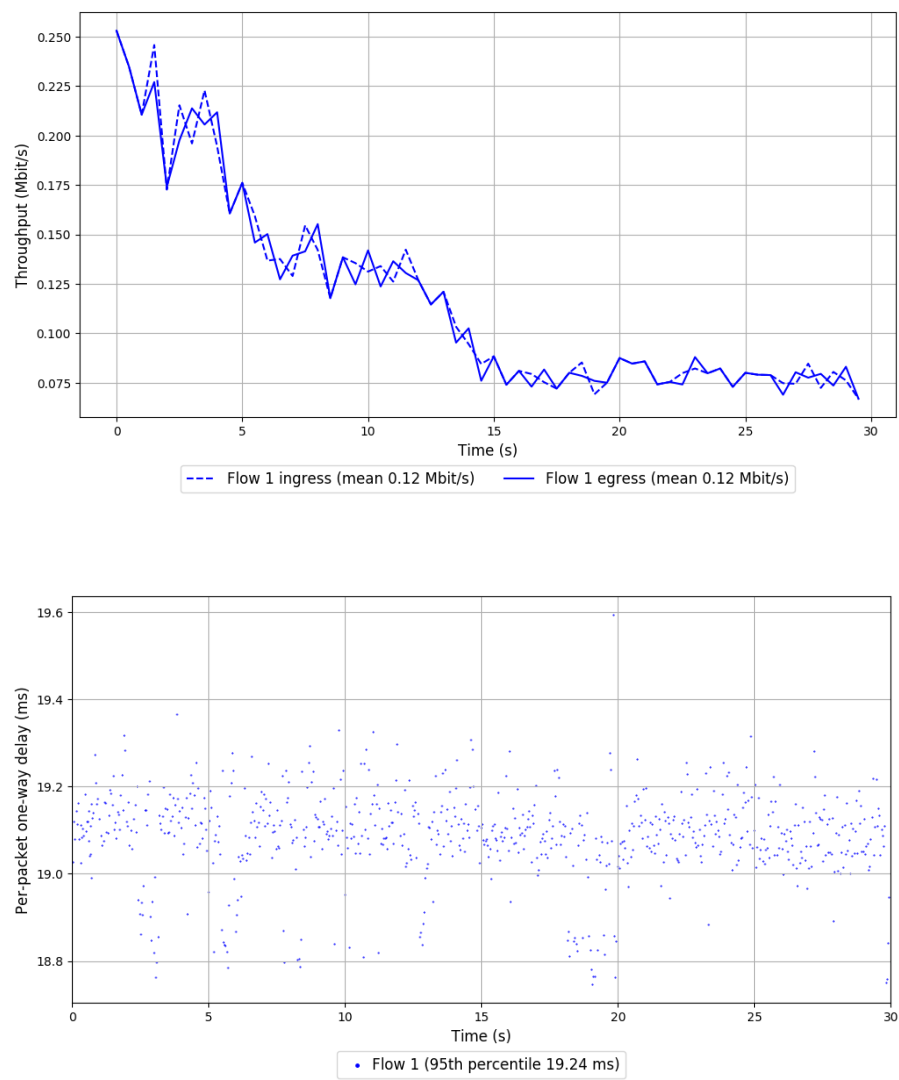
## Run 1: Report of SCReAM — Data Link



Flow 1 ingress (mean 0.10 Mbit/s)  Flow 1 egress (mean 0.10 Mbit/s)



Flow 1 (95th percentile 19.20 ms)

```
Run 2: Statistics of SCReAM

Start at: 2017-11-15 23:46:18
End at: 2017-11-15 23:46:48
Local clock offset: 1.355 ms
Remote clock offset: -1.166 ms

Below is generated by plot.py at 2017-11-16 04:22:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 19.268 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 19.268 ms
Loss rate: 0.51%
```
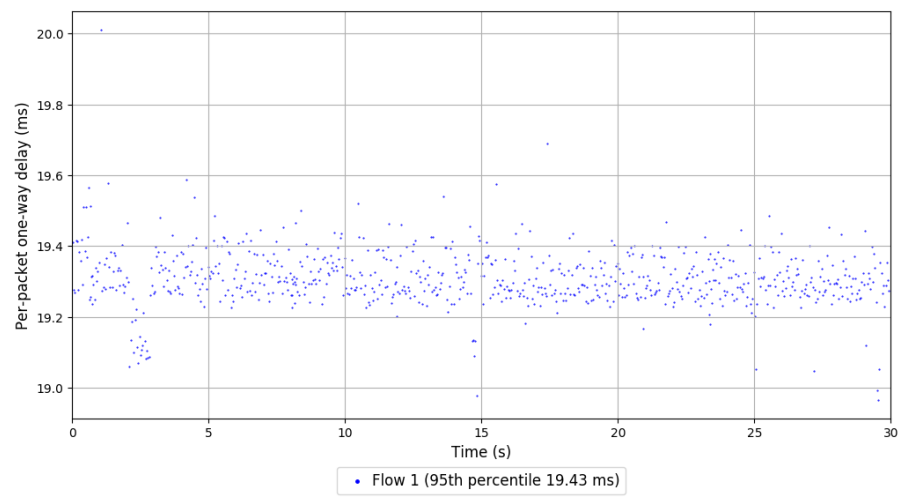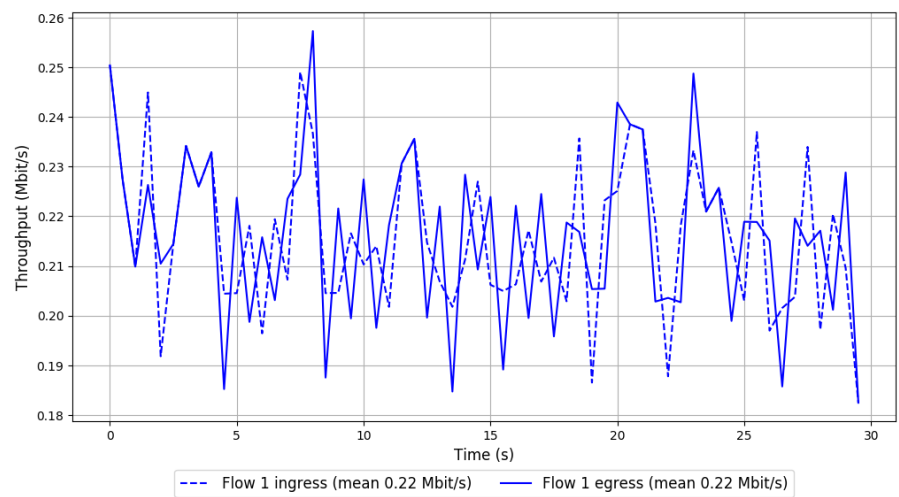
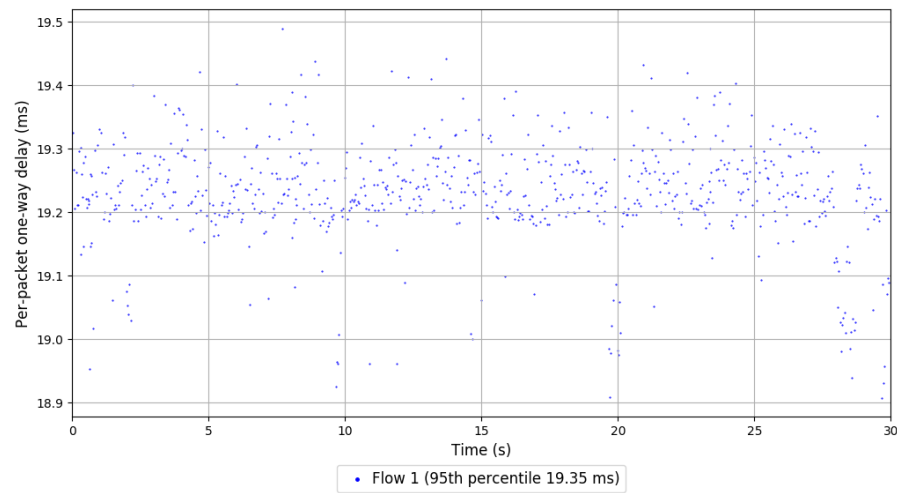# Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2017-11-16 00:04:23
End at: 2017-11-16 00:04:53
Local clock offset: 1.127 ms
Remote clock offset: -1.487 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 19.236 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 0.12 Mbit/s
95th percentile per-packet one-way delay: 19.236 ms
Loss rate: 0.53%
```

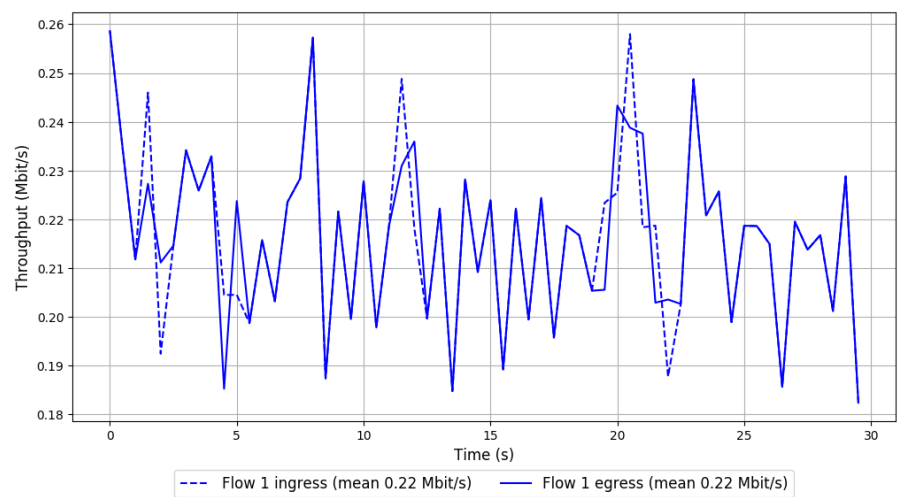# Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: 2017-11-16 00:22:32
End at: 2017-11-16 00:23:02
Local clock offset: 0.588 ms
Remote clock offset: -1.42 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.427 ms
Loss rate: 0.00%
```
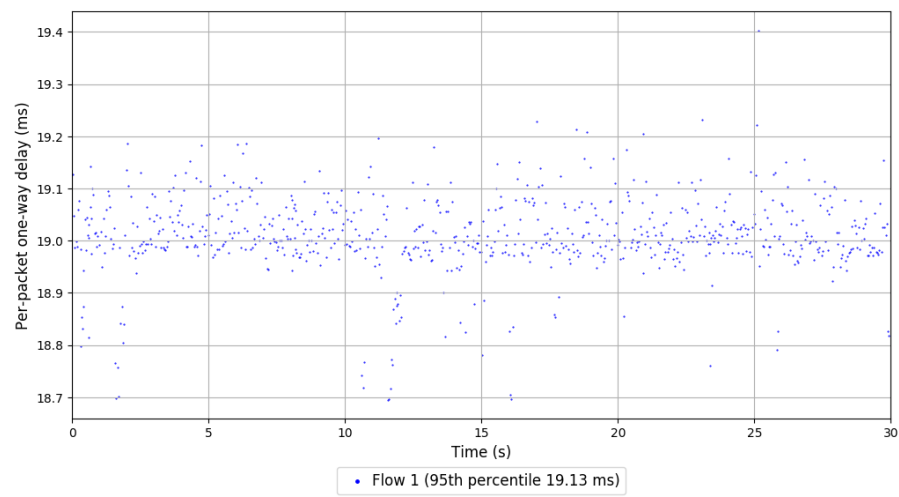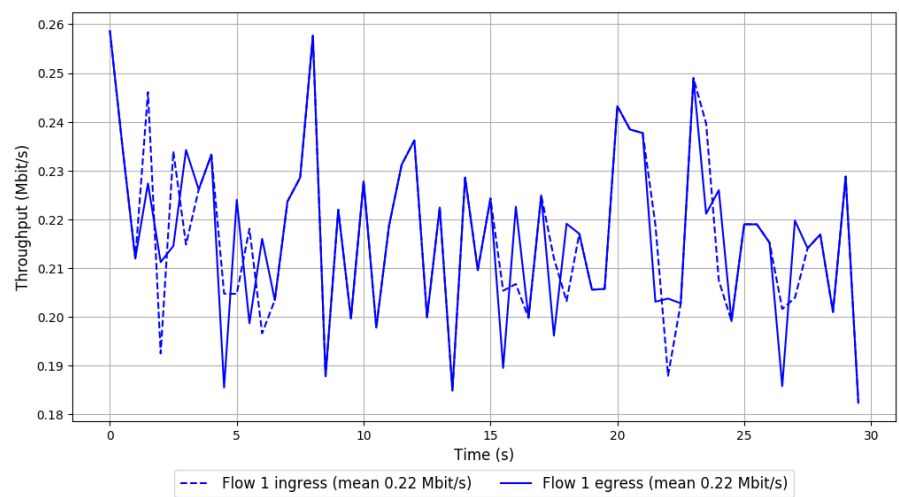
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2017-11-16 00:40:38
End at: 2017-11-16 00:41:08
Local clock offset: 0.443 ms
Remote clock offset: -1.563 ms

# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.00%
```
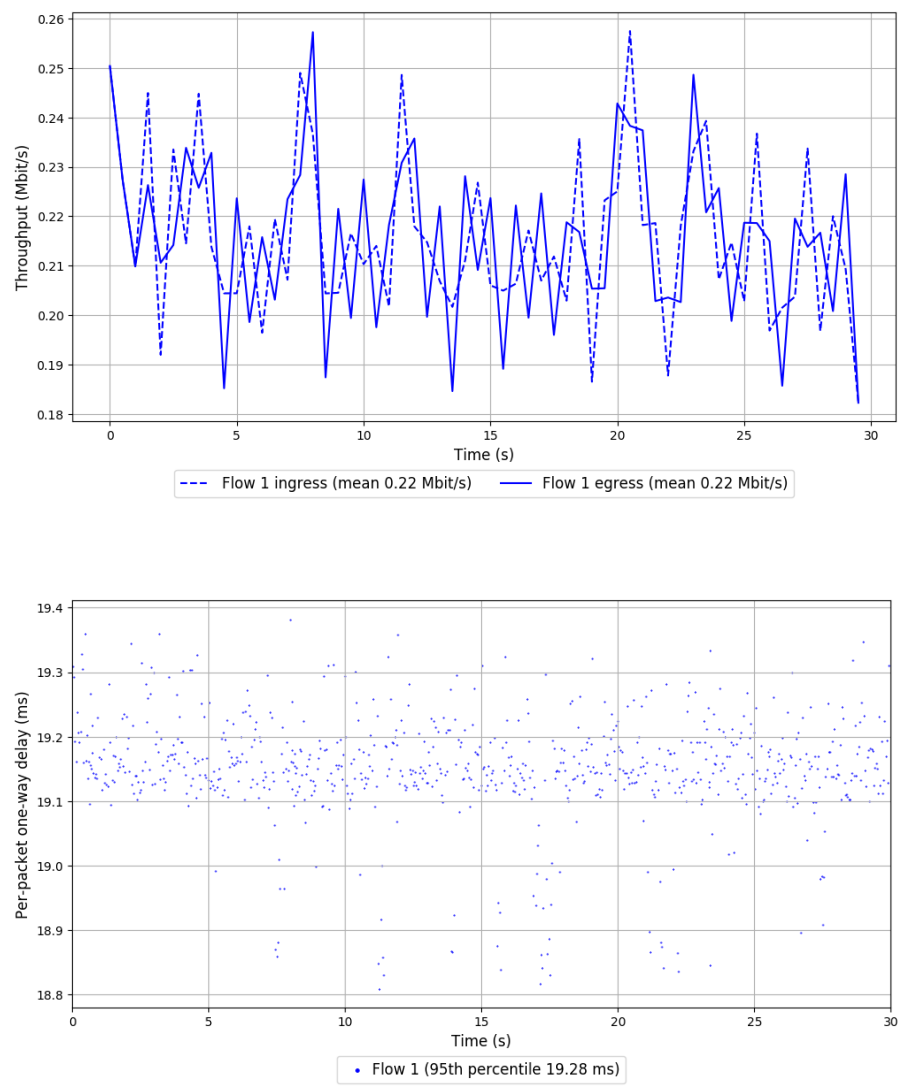
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2017-11-16 00:58:51
End at: 2017-11-16 00:59:21
Local clock offset: 0.096 ms
Remote clock offset: -1.507 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.00%
```
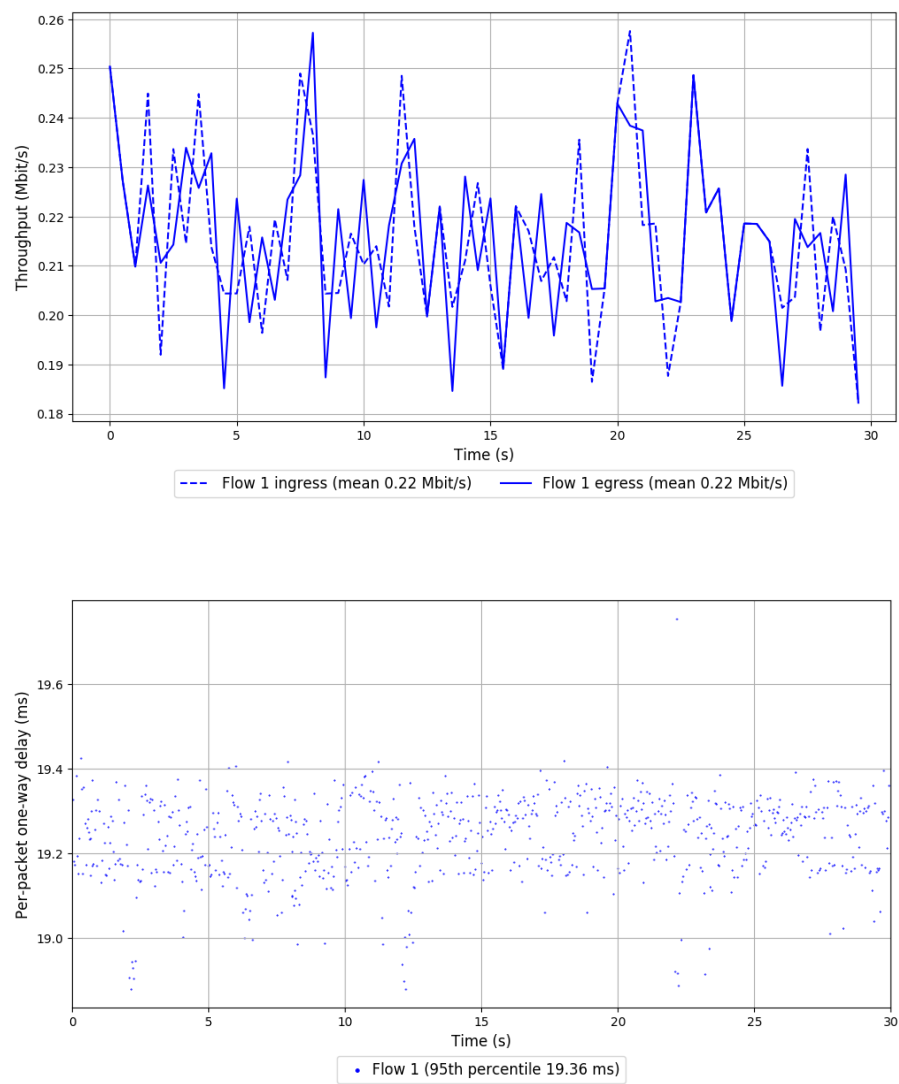
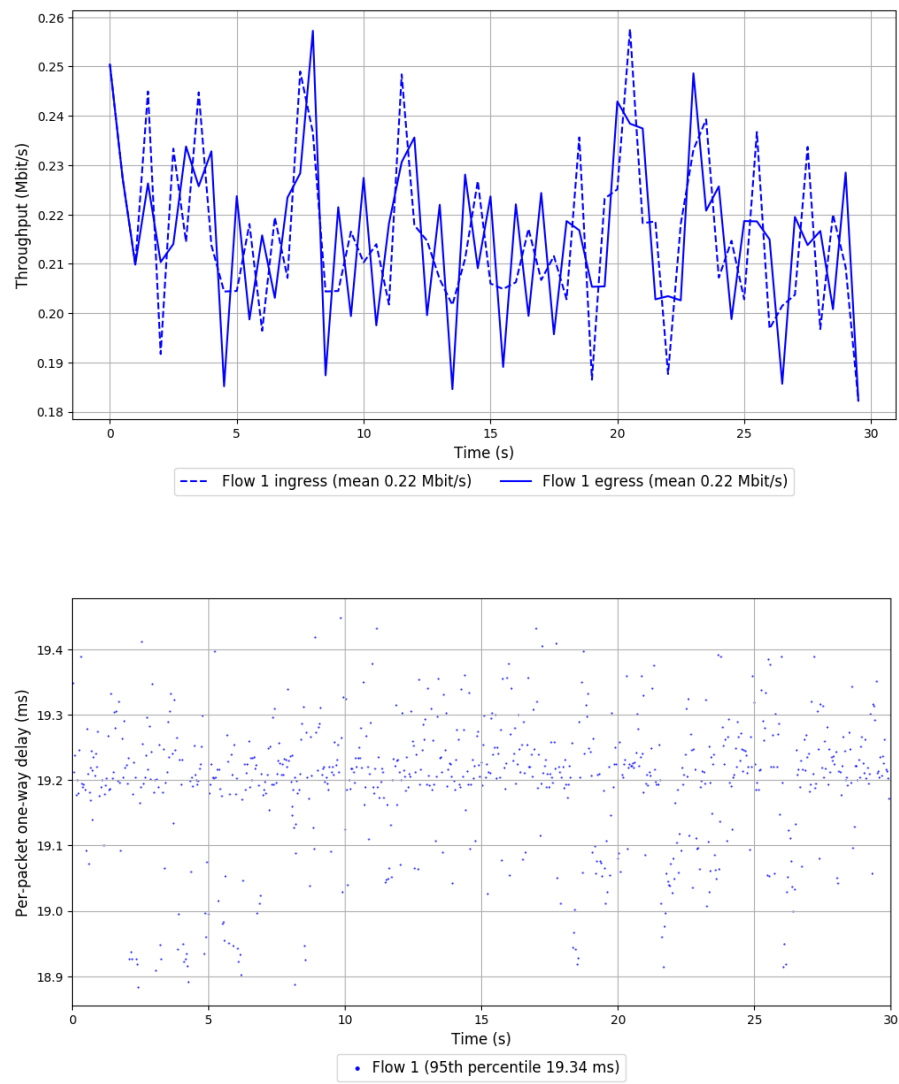# Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2017-11-16 01:17:05
End at: 2017-11-16 01:17:35
Local clock offset: -0.14 ms
Remote clock offset: -1.485 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.281 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.281 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2017-11-16 01:35:16
End at: 2017-11-16 01:35:46
Local clock offset: -0.062 ms
Remote clock offset: -1.56 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.361 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.361 ms
Loss rate: 0.00%
```
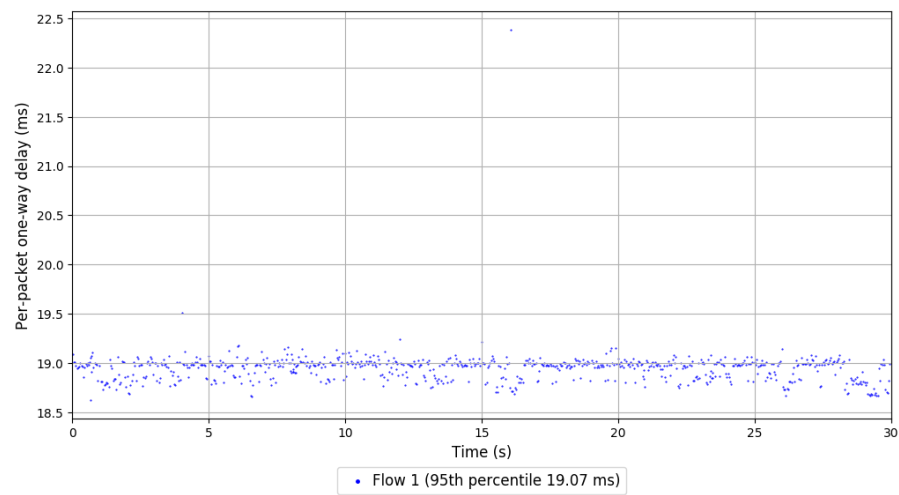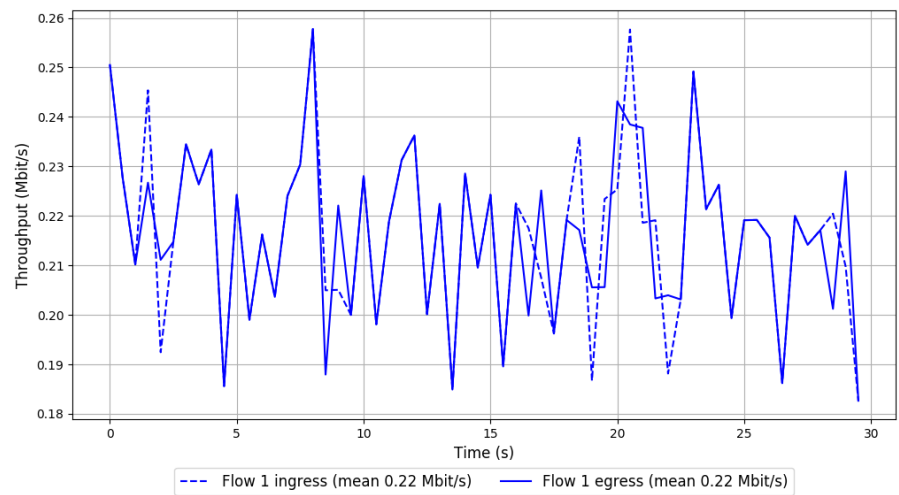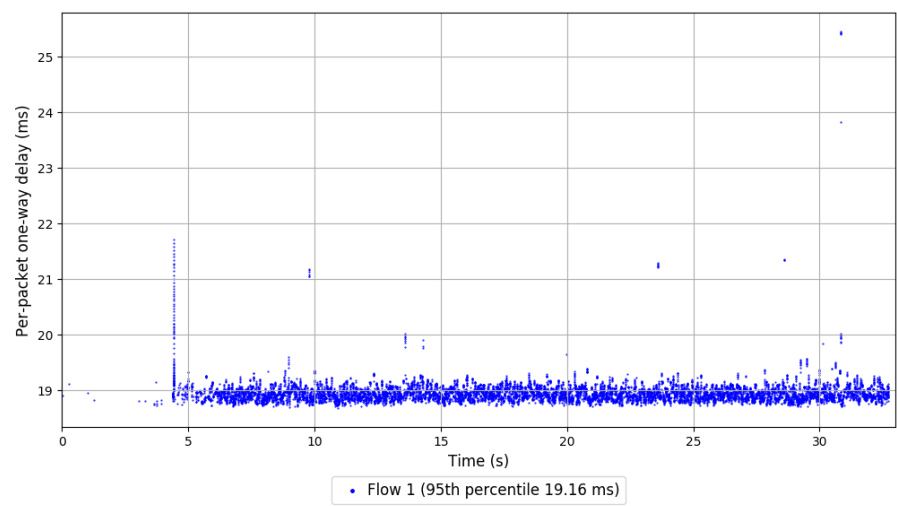
Run 8: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 19.36 ms)

```
Run 9: Statistics of SCReAM

Start at: 2017-11-16 01:53:22
End at: 2017-11-16 01:53:52
Local clock offset: 0.347 ms
Remote clock offset: -1.443 ms

# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.00%
```

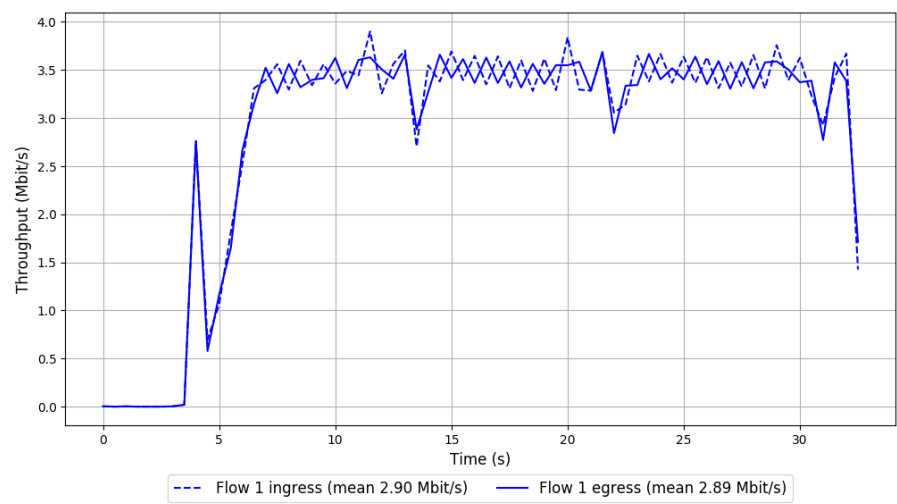# Run 9: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 19.34 ms)

```
Run 10: Statistics of SCReAM

Start at: 2017-11-16 02:11:37
End at: 2017-11-16 02:12:07
Local clock offset: 0.524 ms
Remote clock offset: -1.494 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.074 ms
Loss rate: 0.00%
```
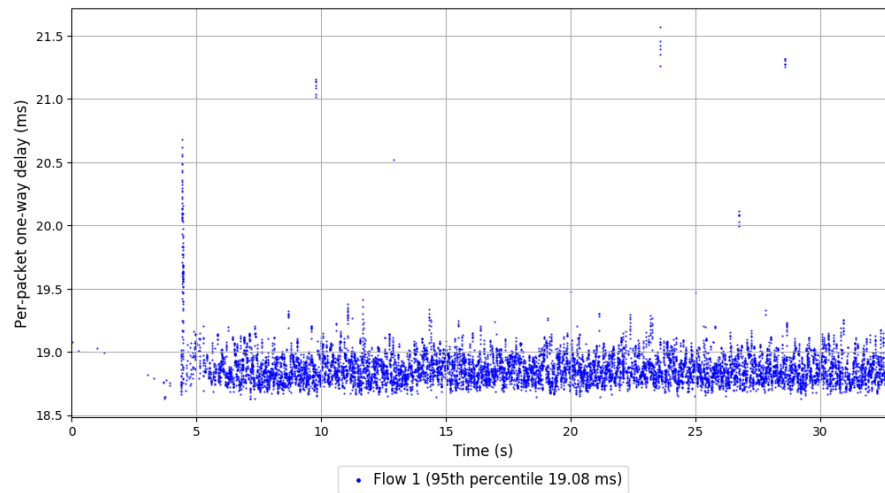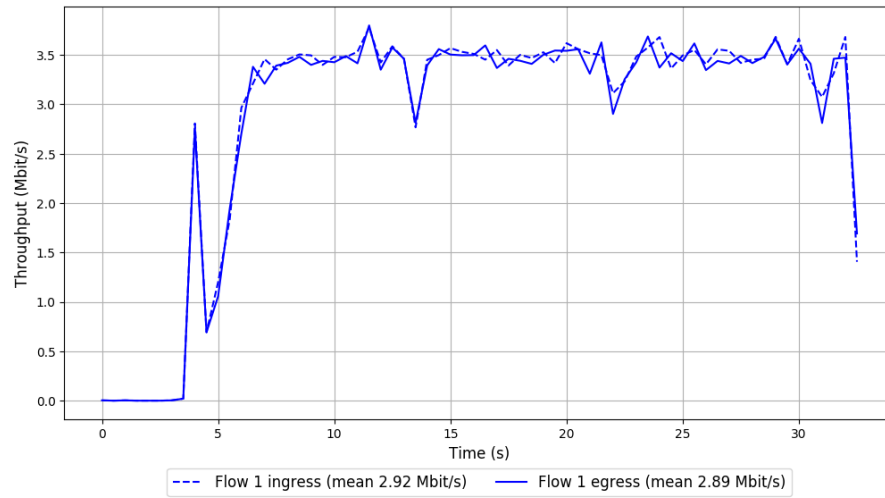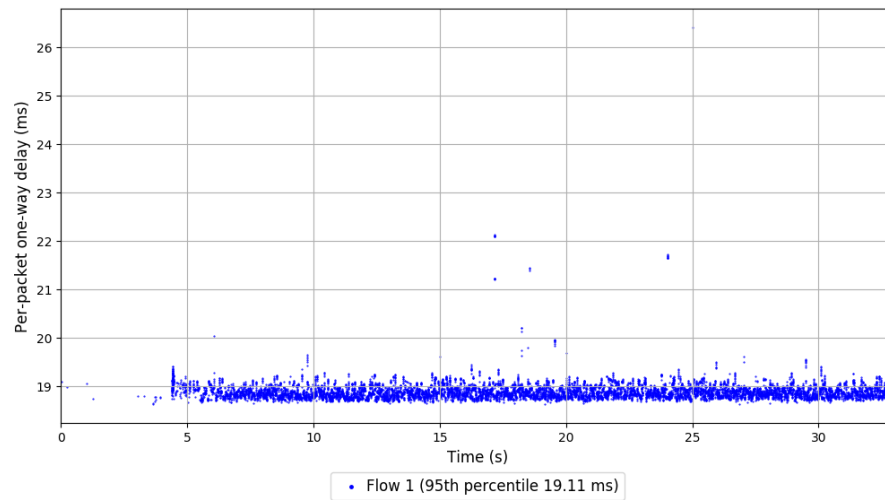
Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2017-11-15 23:38:30
End at: 2017-11-15 23:39:00
Local clock offset: 1.442 ms
Remote clock offset: -0.926 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 19.160 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 19.160 ms
Loss rate: 0.37%
```
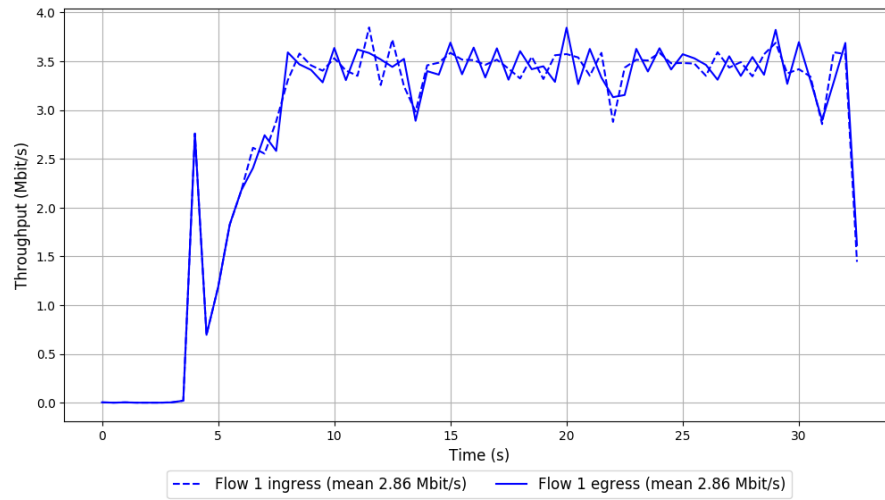
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2017-11-15 23:56:38
End at: 2017-11-15 23:57:08
Local clock offset: 1.196 ms
Remote clock offset: -1.43 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 19.083 ms
Loss rate: 0.76%
```
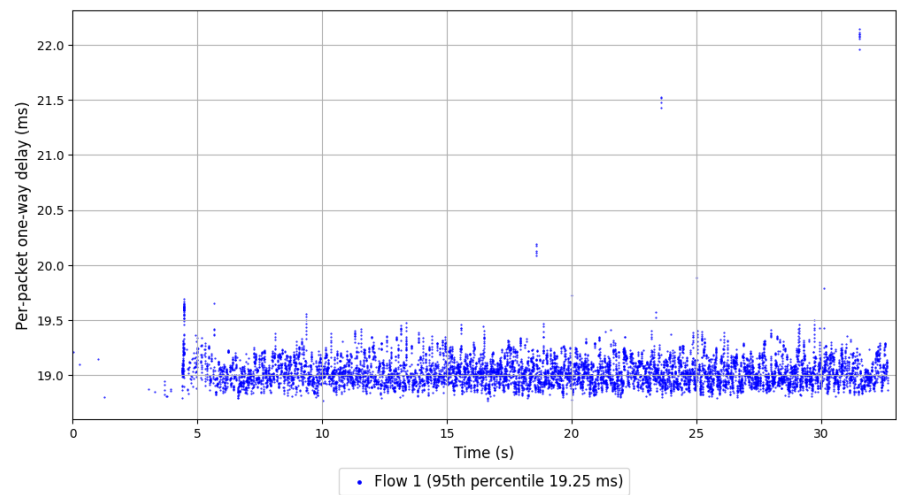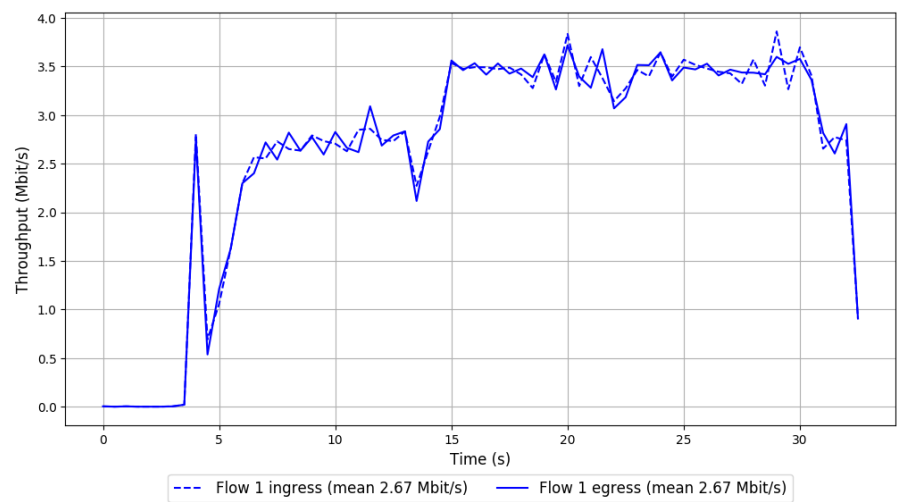
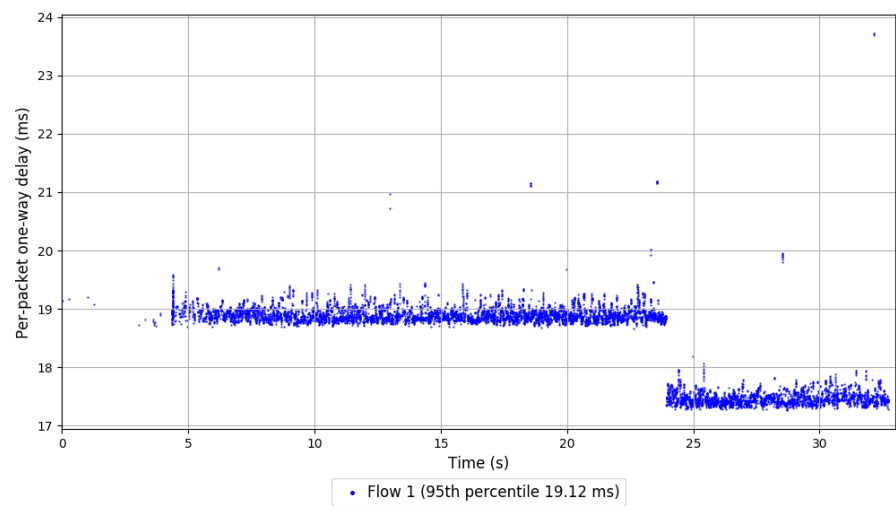Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2017-11-16 00:14:44
End at: 2017-11-16 00:15:14
Local clock offset: 0.715 ms
Remote clock offset: -1.527 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.86 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.08%
```
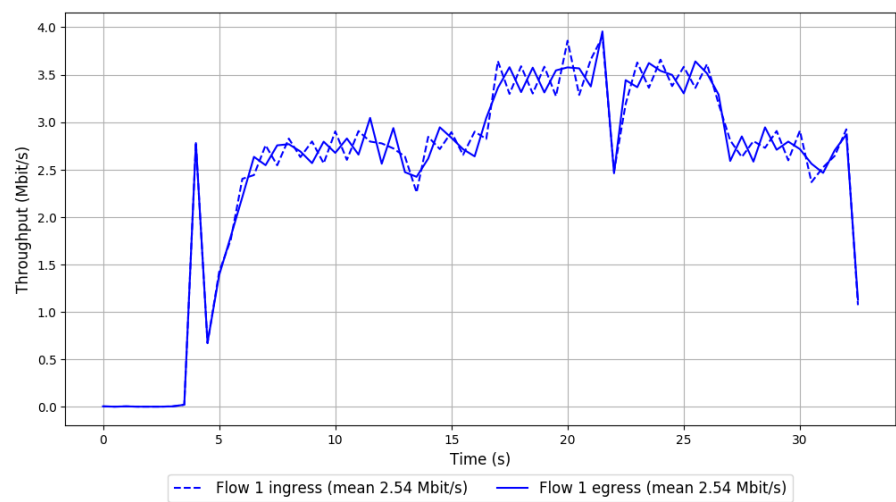
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: 2017-11-16 00:32:49
End at: 2017-11-16 00:33:19
Local clock offset: 0.611 ms
Remote clock offset: -1.527 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 19.252 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.67 Mbit/s
95th percentile per-packet one-way delay: 19.252 ms
Loss rate: 0.14%
```
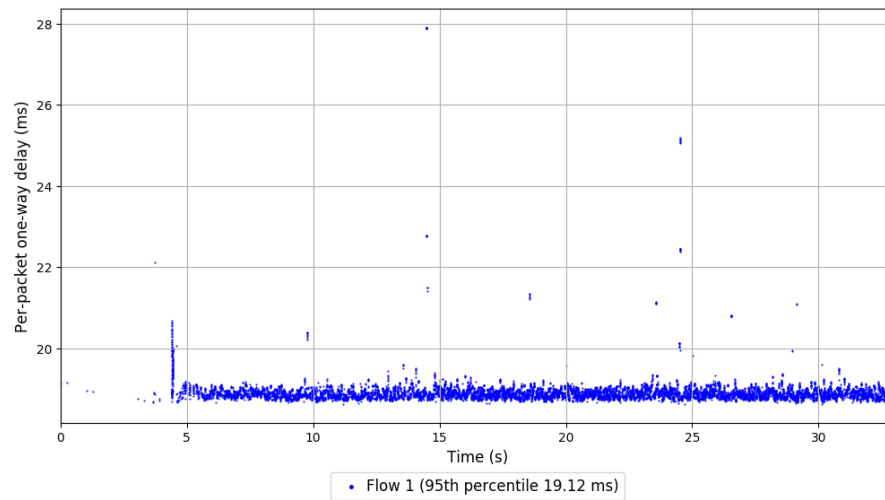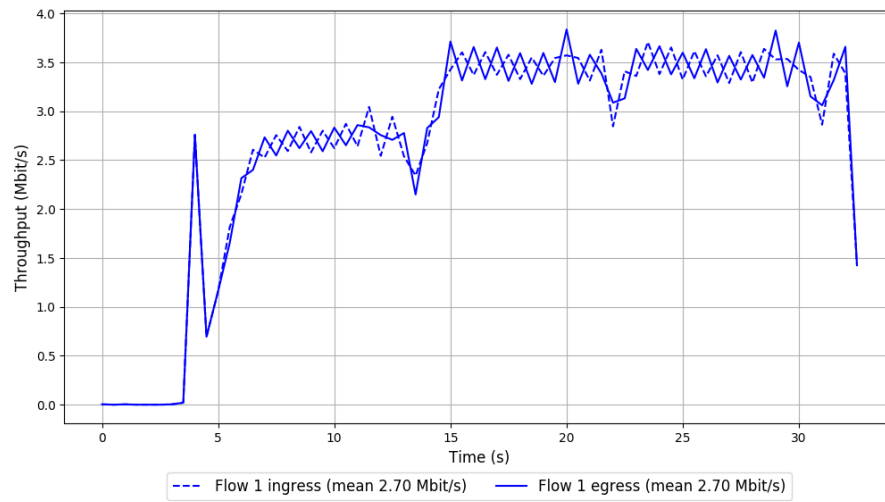
Run 4: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.67 Mbit/s) --- Flow 1 egress (mean 2.67 Mbit/s) ——

• Flow 1 (95th percentile 19.25 ms)

```
Run 5: Statistics of WebRTC media

Start at: 2017-11-16 00:50:58
End at: 2017-11-16 00:51:28
Local clock offset: 0.247 ms
Remote clock offset: -1.579 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.02%
```
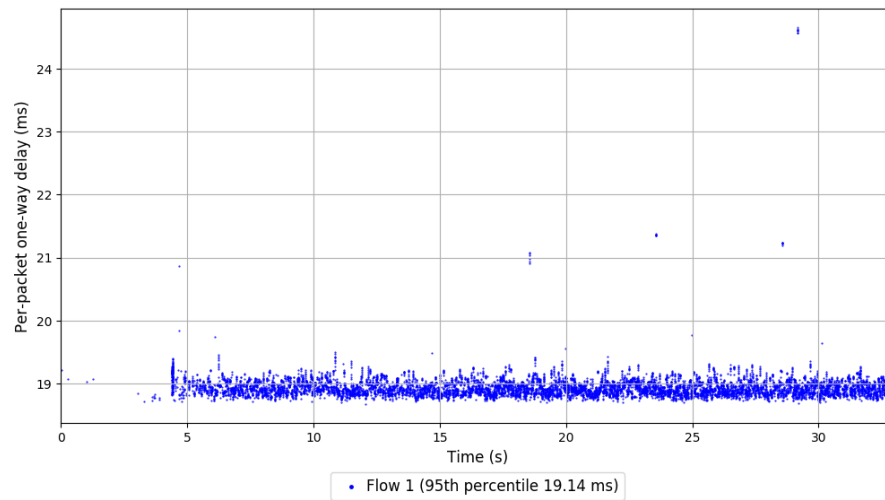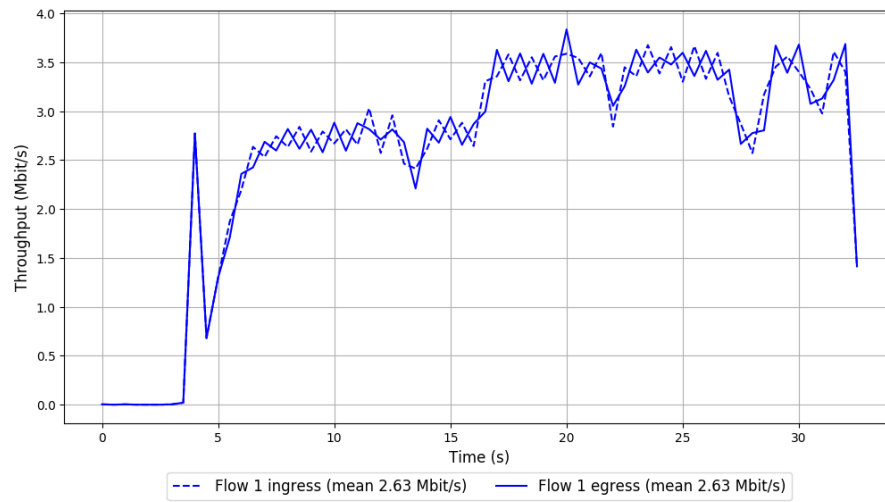
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2017-11-16 01:09:11
End at: 2017-11-16 01:09:41
Local clock offset: -0.14 ms
Remote clock offset: -1.499 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 2.70 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.03%
```
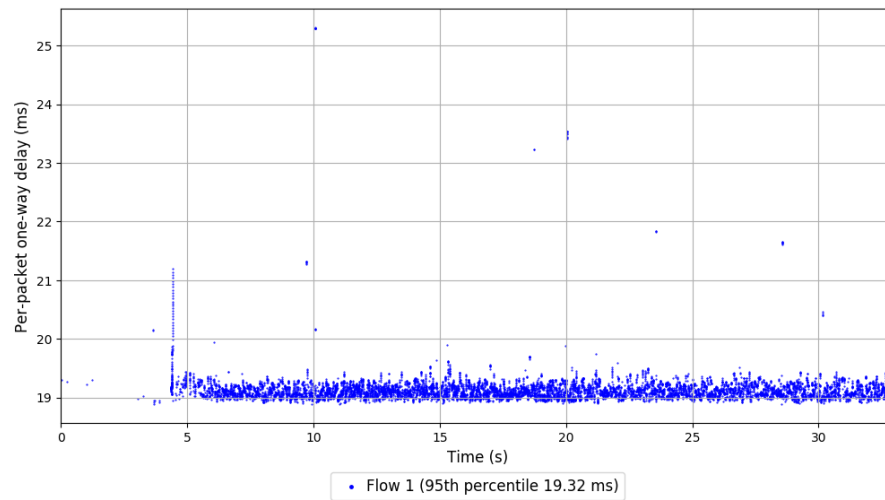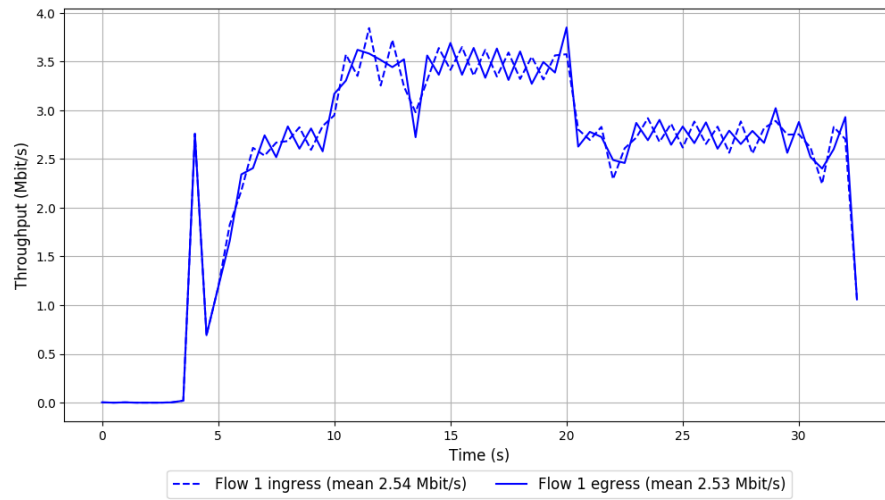
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2017-11-16 01:27:26
End at: 2017-11-16 01:27:56
Local clock offset: -0.273 ms
Remote clock offset: -1.565 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 2.63 Mbit/s
95th percentile per-packet one-way delay: 19.142 ms
Loss rate: 0.08%
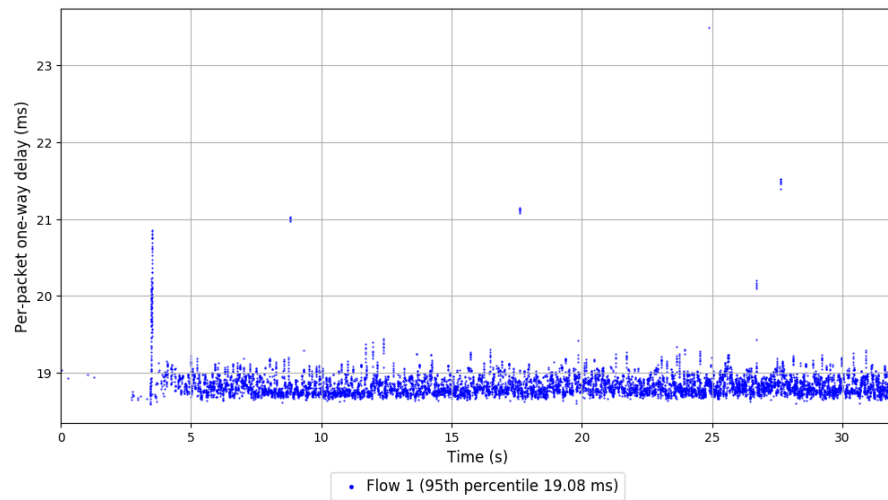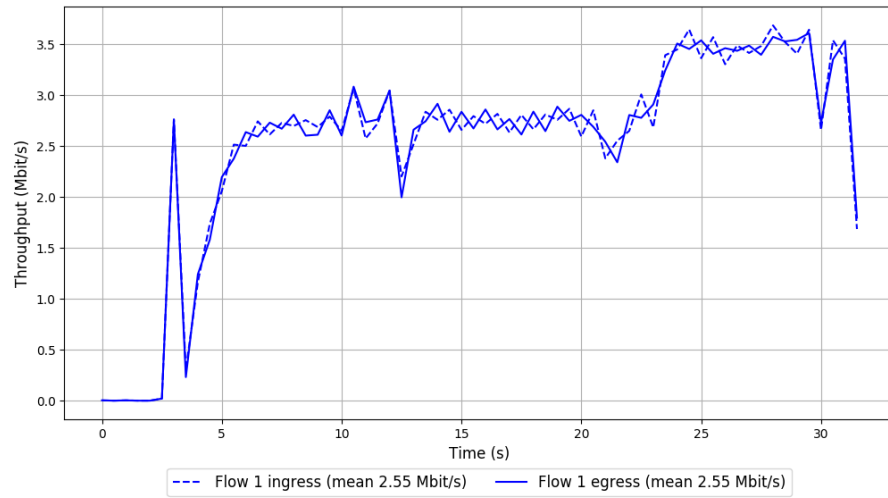```

Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2017-11-16 01:45:30
End at: 2017-11-16 01:46:00
Local clock offset: 0.228 ms
Remote clock offset: -1.431 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 19.322 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 19.322 ms
Loss rate: 0.04%
```

Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: 2017-11-16 02:03:42
End at: 2017-11-16 02:04:12
Local clock offset: 0.465 ms
Remote clock offset: -1.637 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 19.080 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.55 Mbit/s
95th percentile per-packet one-way delay: 19.080 ms
Loss rate: 0.05%
```
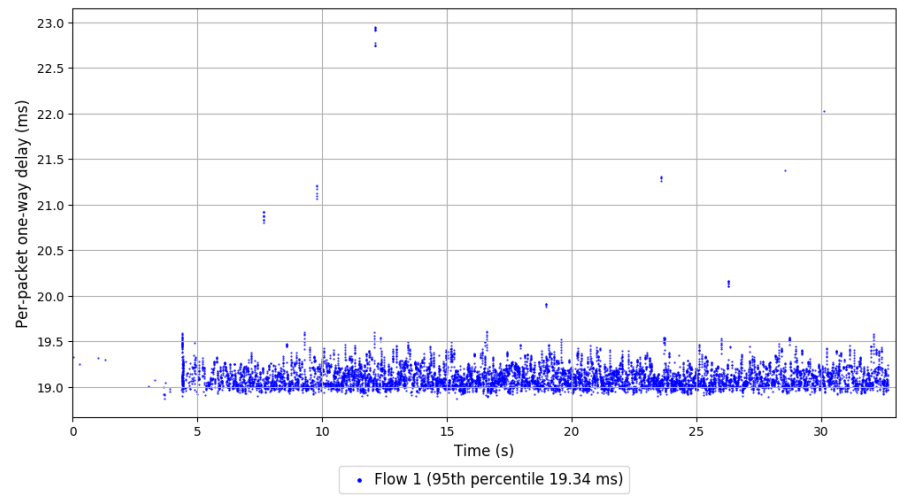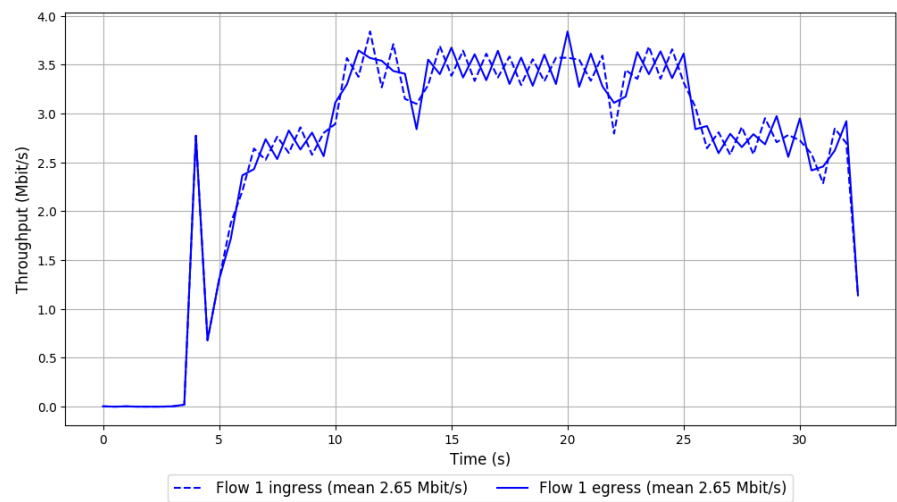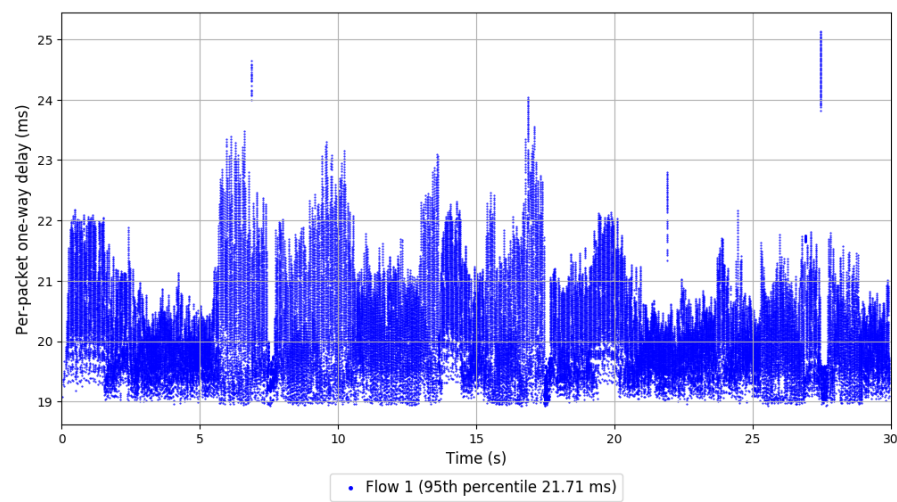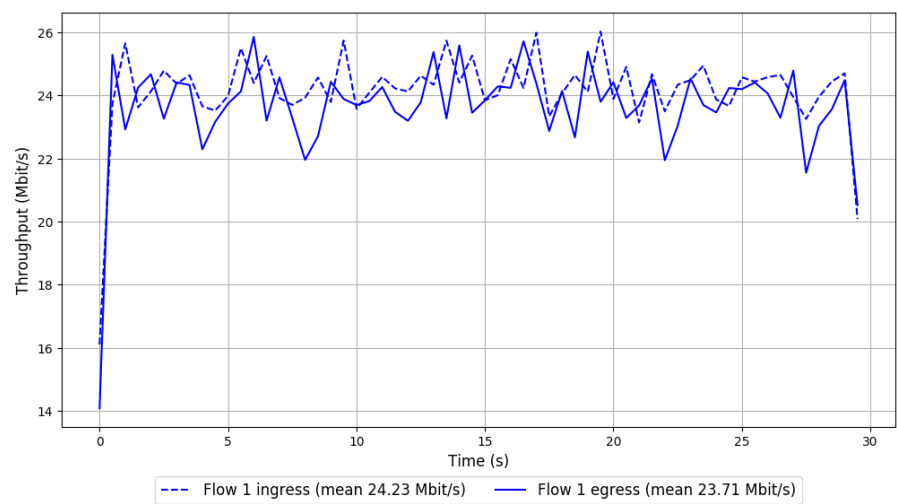
Run 9: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.55 Mbit/s)   Flow 1 egress (mean 2.55 Mbit/s)

• Flow 1 (95th percentile 19.08 ms)

```
Run 10: Statistics of WebRTC media

Start at: 2017-11-16 02:21:59
End at: 2017-11-16 02:22:29
Local clock offset: 0.486 ms
Remote clock offset: -1.596 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.65 Mbit/s
95th percentile per-packet one-way delay: 19.339 ms
Loss rate: 0.02%
```

Run 10: Report of WebRTC media — Data Link

```
Run 1: Statistics of Sprout

Start at: 2017-11-15 23:39:40
End at: 2017-11-15 23:40:10
Local clock offset: 1.448 ms
Remote clock offset: -0.976 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 21.714 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 23.71 Mbit/s
95th percentile per-packet one-way delay: 21.714 ms
Loss rate: 2.14%
```
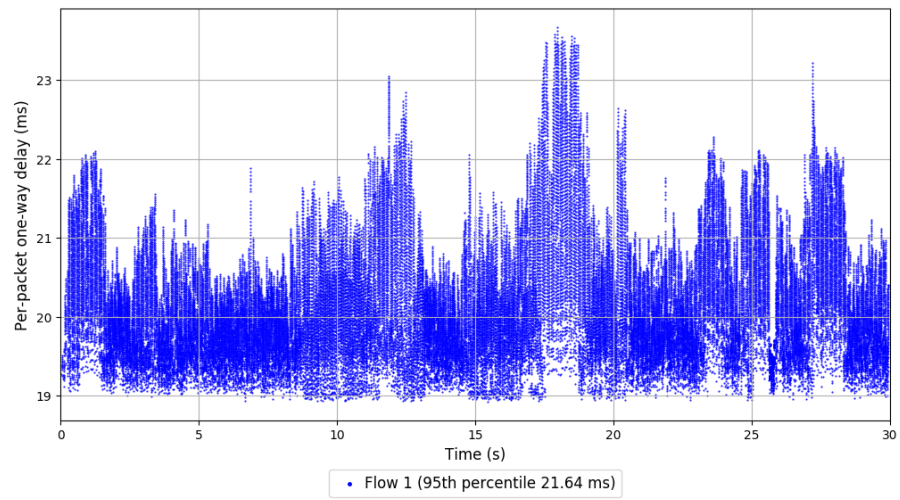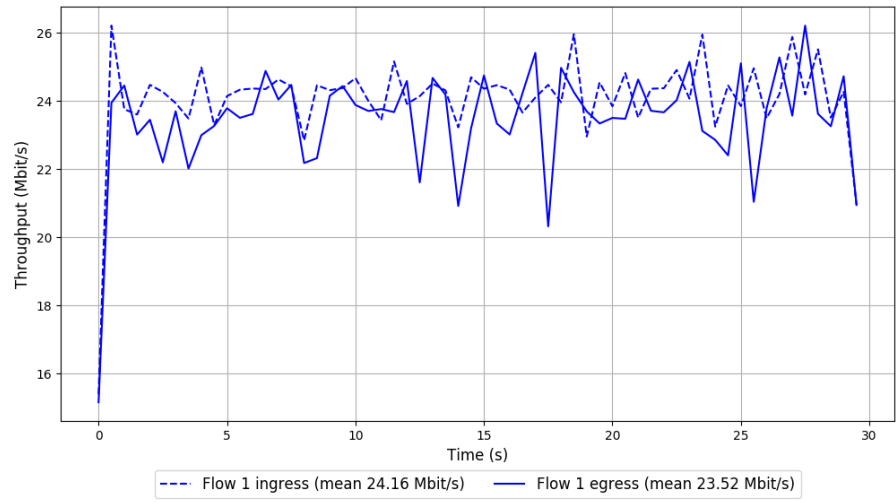
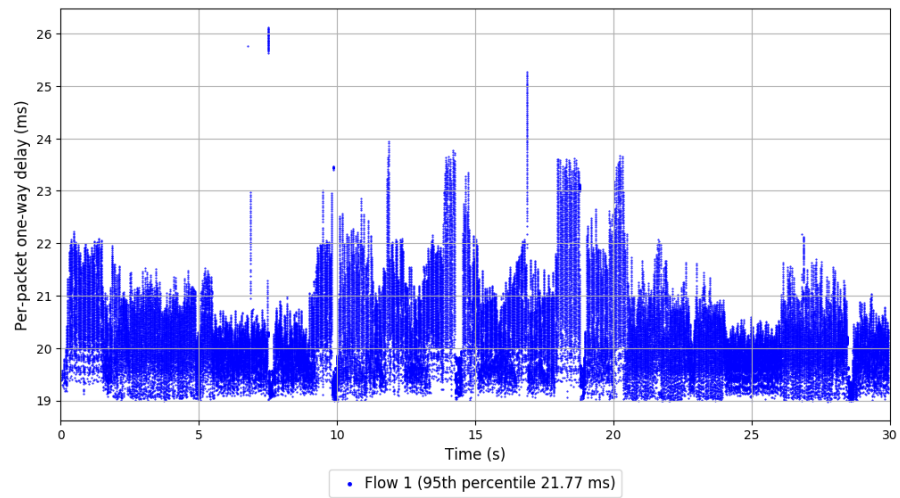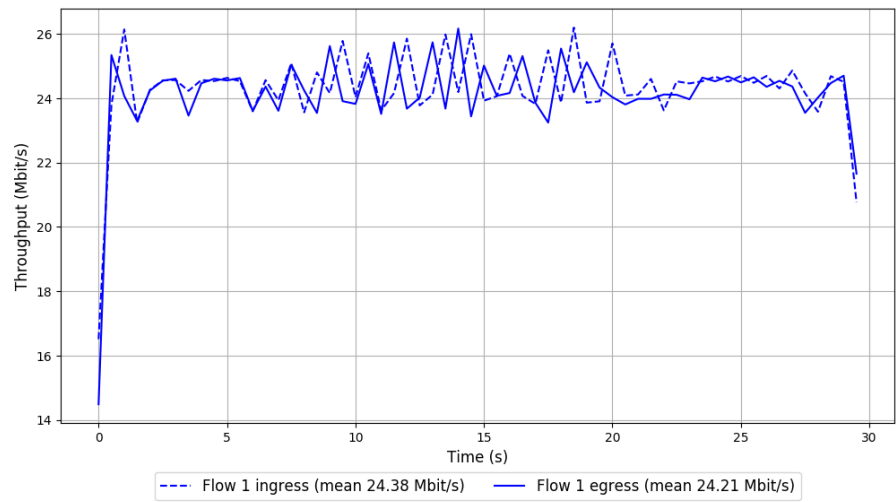Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: 2017-11-15 23:57:48
End at: 2017-11-15 23:58:18
Local clock offset: 1.187 ms
Remote clock offset: -1.45 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 21.641 ms
Loss rate: 2.61%
-- Flow 1:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 21.641 ms
Loss rate: 2.61%
```

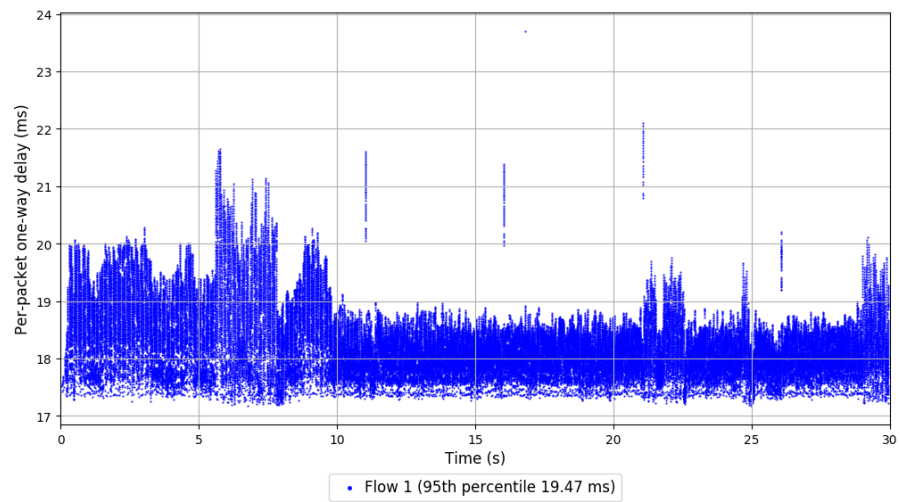Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2017-11-16 00:15:54
End at: 2017-11-16 00:16:24
Local clock offset: 0.693 ms
Remote clock offset: -1.457 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 21.768 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 24.21 Mbit/s
95th percentile per-packet one-way delay: 21.768 ms
Loss rate: 0.67%
```

Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 24.38 Mbit/s)   Flow 1 egress (mean 24.21 Mbit/s)

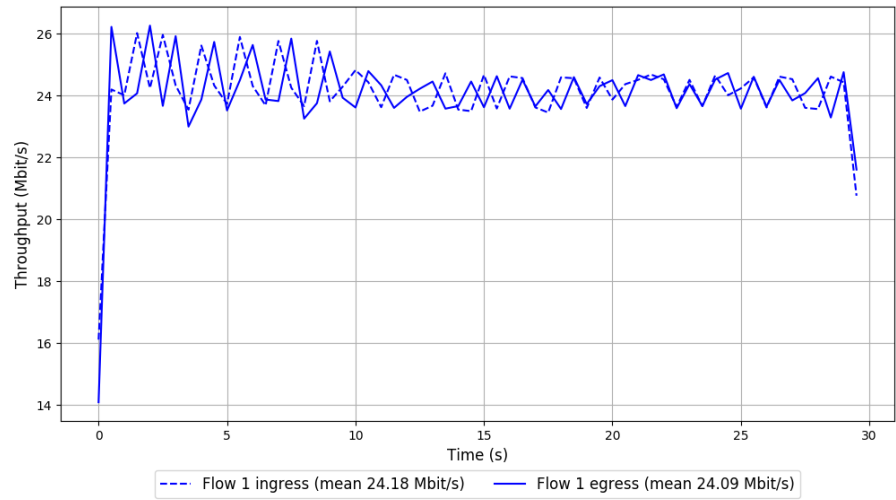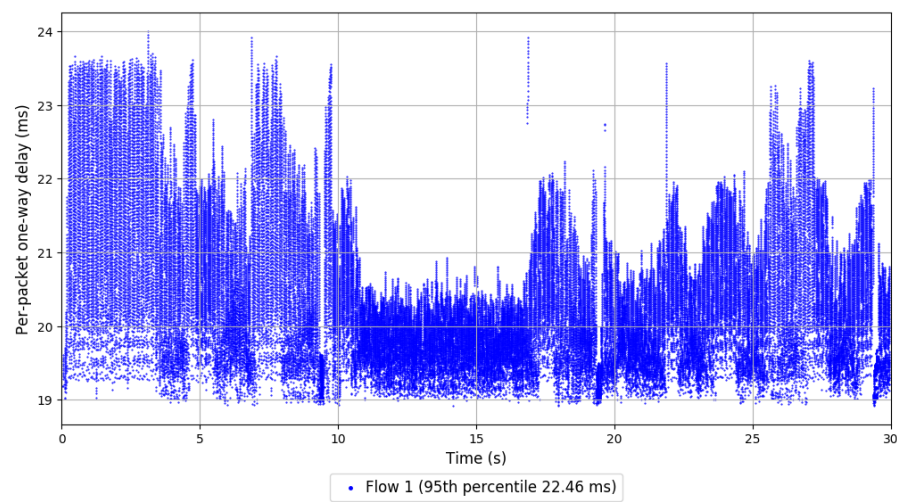Flow 1 (95th percentile 21.77 ms)

```
Run 4: Statistics of Sprout

Start at: 2017-11-16 00:33:59
End at: 2017-11-16 00:34:29
Local clock offset: 0.618 ms
Remote clock offset: -1.546 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 19.468 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 24.09 Mbit/s
95th percentile per-packet one-way delay: 19.468 ms
Loss rate: 0.33%
```

Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 24.18 Mbit/s) ----- Flow 1 egress (mean 24.09 Mbit/s)

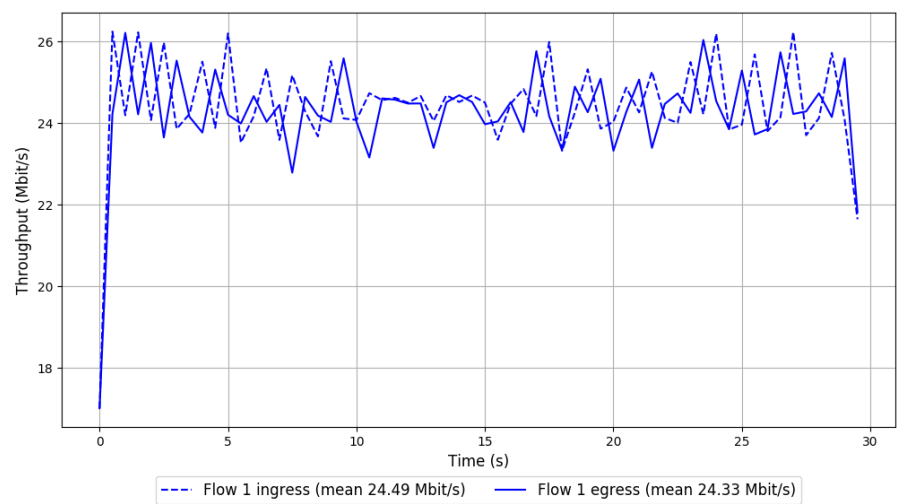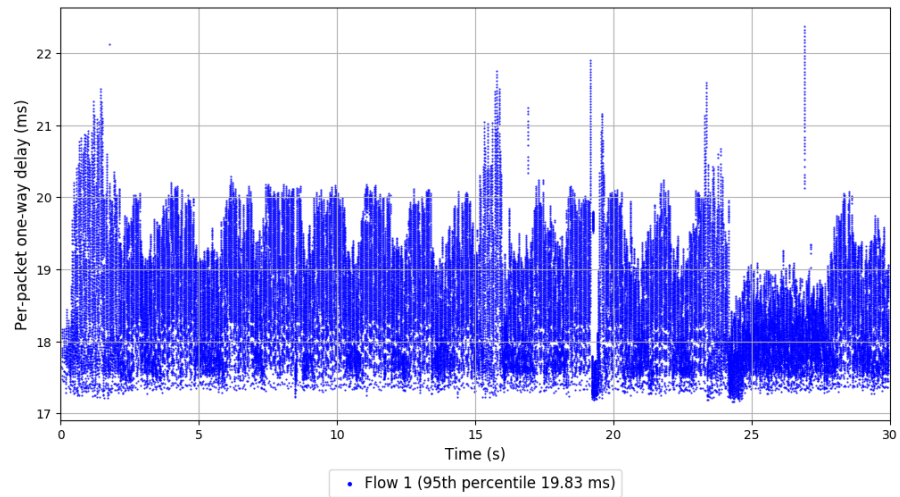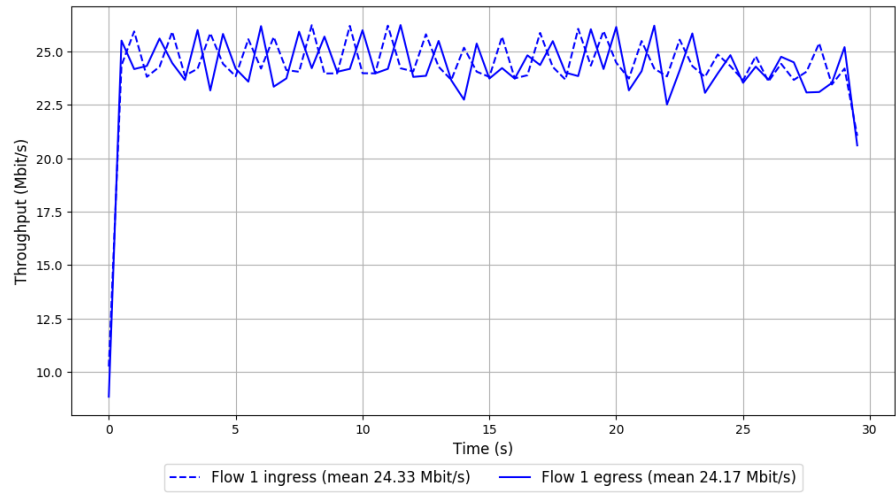• Flow 1 (95th percentile 19.47 ms)

```
Run 5: Statistics of Sprout

Start at: 2017-11-16 00:52:08
End at: 2017-11-16 00:52:38
Local clock offset: 0.242 ms
Remote clock offset: -1.572 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 22.460 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: 22.460 ms
Loss rate: 0.64%
```

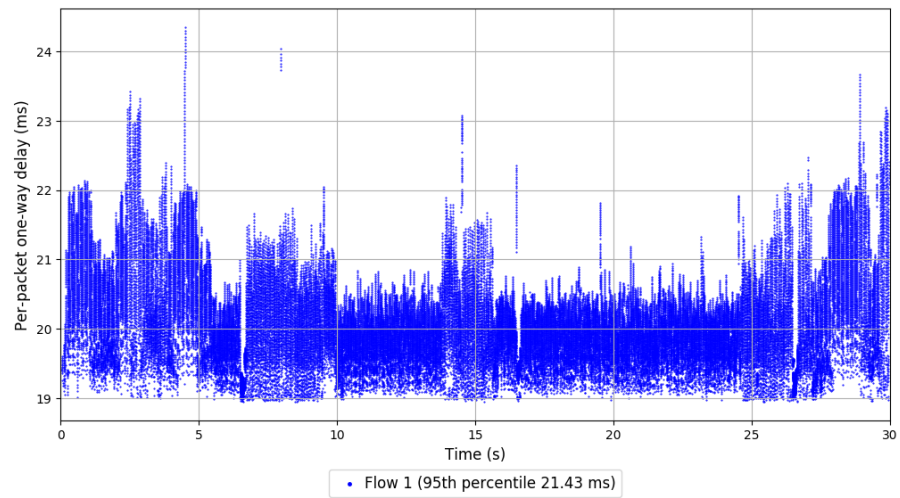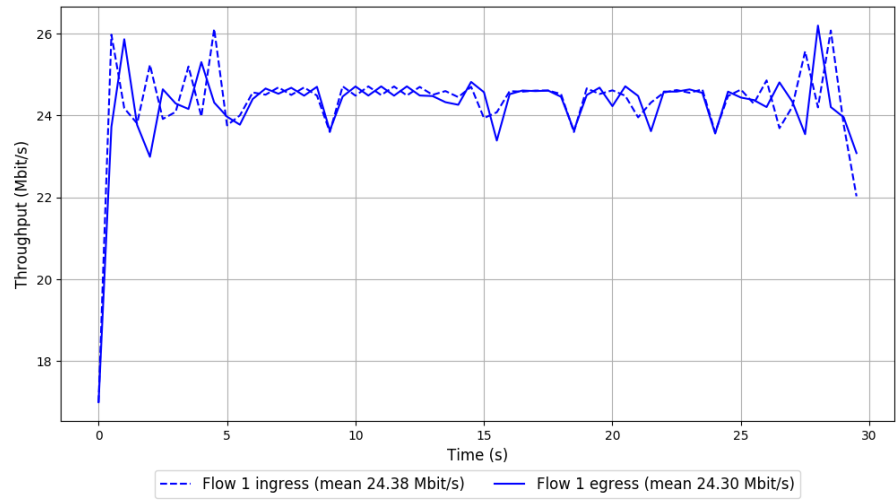Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 24.49 Mbit/s)   Flow 1 egress (mean 24.33 Mbit/s)

Flow 1 (95th percentile 22.46 ms)

```
Run 6: Statistics of Sprout

Start at: 2017-11-16 01:10:21
End at: 2017-11-16 01:10:51
Local clock offset: -0.055 ms
Remote clock offset: -1.495 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 19.830 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 24.17 Mbit/s
95th percentile per-packet one-way delay: 19.830 ms
Loss rate: 0.66%
```

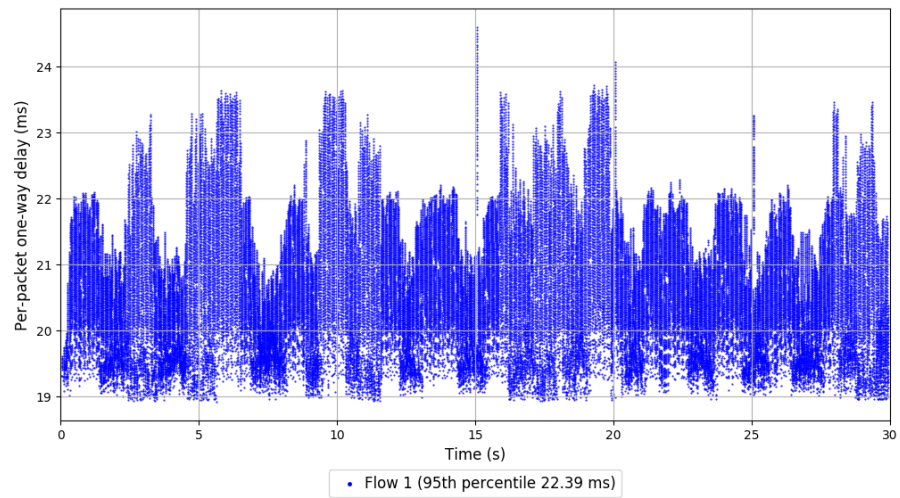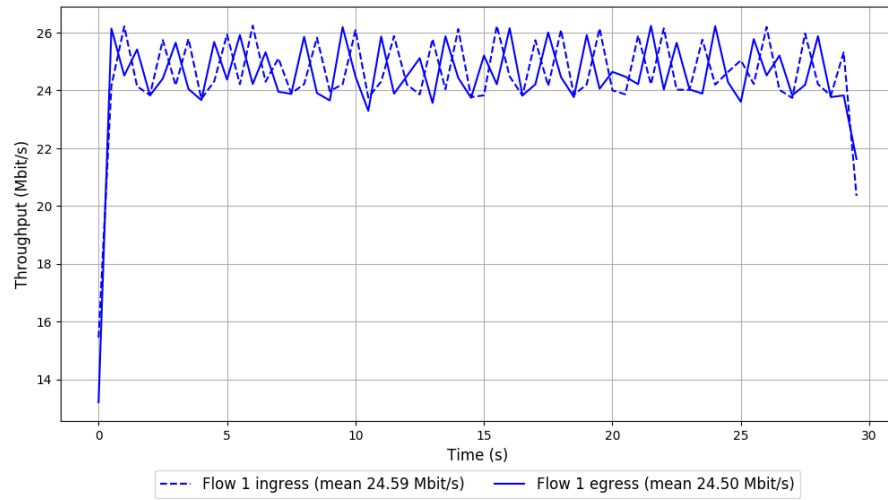Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 24.33 Mbit/s)   Flow 1 egress (mean 24.17 Mbit/s)

Flow 1 (95th percentile 19.83 ms)

```
Run 7: Statistics of Sprout

Start at: 2017-11-16 01:28:36
End at: 2017-11-16 01:29:06
Local clock offset: -0.179 ms
Remote clock offset: -1.507 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 21.430 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 21.430 ms
Loss rate: 0.31%
```

Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2017-11-16 01:46:40
End at: 2017-11-16 01:47:10
Local clock offset: 0.243 ms
Remote clock offset: -1.411 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 22.387 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: 22.387 ms
Loss rate: 0.35%
```
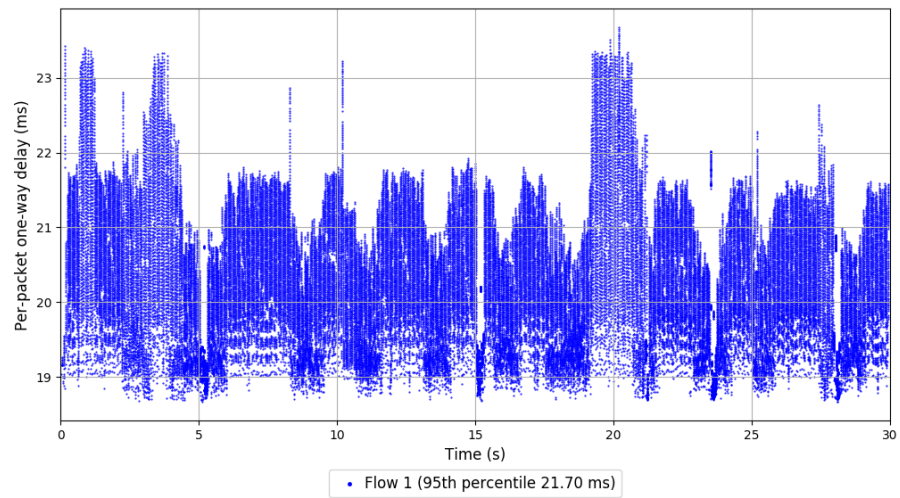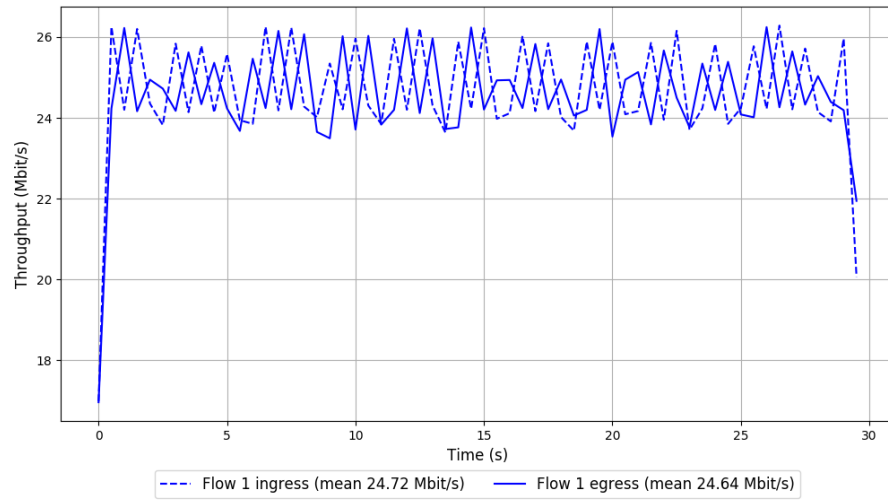
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2017-11-16 02:04:53
End at: 2017-11-16 02:05:23
Local clock offset: 0.4 ms
Remote clock offset: -1.678 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 21.700 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 24.64 Mbit/s
95th percentile per-packet one-way delay: 21.700 ms
Loss rate: 0.31%
```
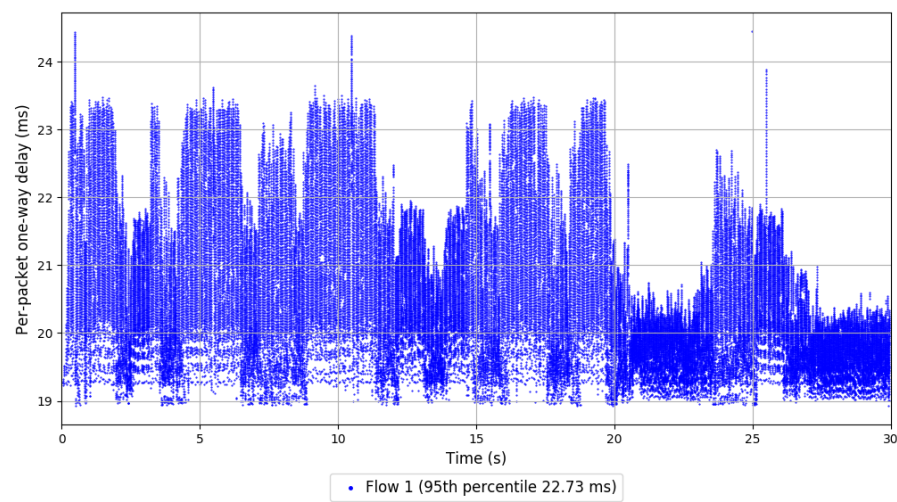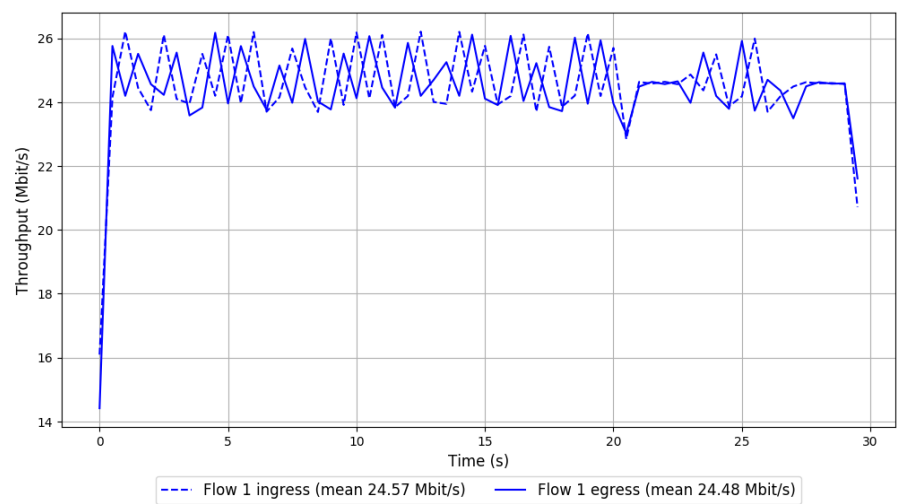
Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 24.72 Mbit/s) — — — Flow 1 egress (mean 24.64 Mbit/s)

• Flow 1 (95th percentile 21.70 ms)

```
Run 10: Statistics of Sprout

Start at: 2017-11-16 02:23:09
End at: 2017-11-16 02:23:39
Local clock offset: 0.494 ms
Remote clock offset: -1.587 ms

# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 22.728 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 24.48 Mbit/s
95th percentile per-packet one-way delay: 22.728 ms
Loss rate: 0.40%
```

Run 10: Report of Sprout — Data Link

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

Start at: 2017-11-15 23:25:38
End at: 2017-11-15 23:26:08
Local clock offset: 1.552 ms
Remote clock offset: -0.684 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.86 Mbit/s
95th percentile per-packet one-way delay: 19.104 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 225.86 Mbit/s
95th percentile per-packet one-way delay: 19.104 ms
Loss rate: 1.37%
```
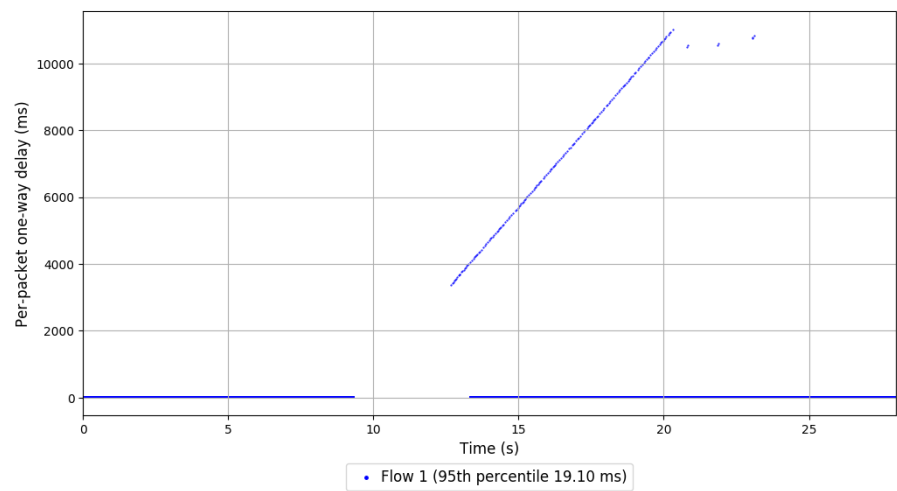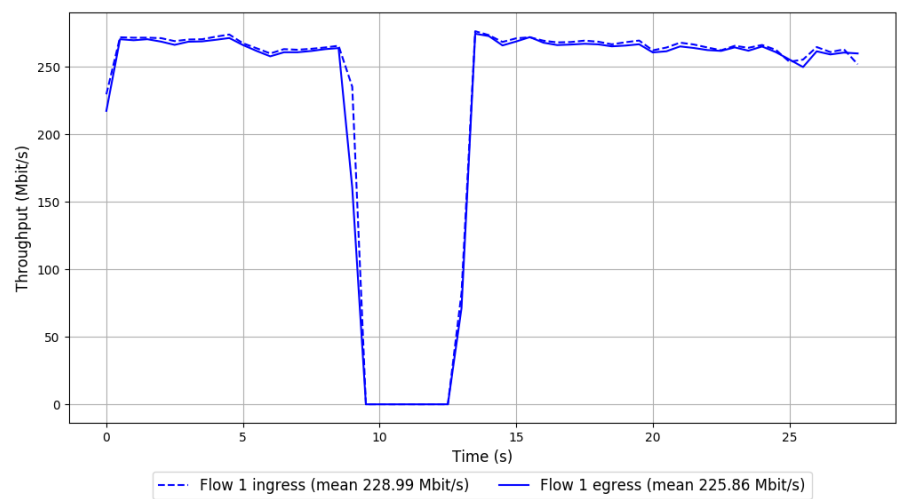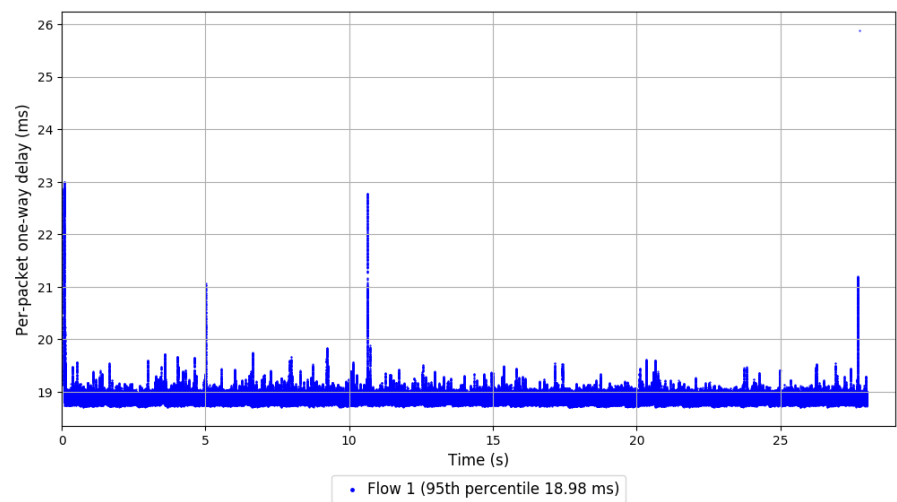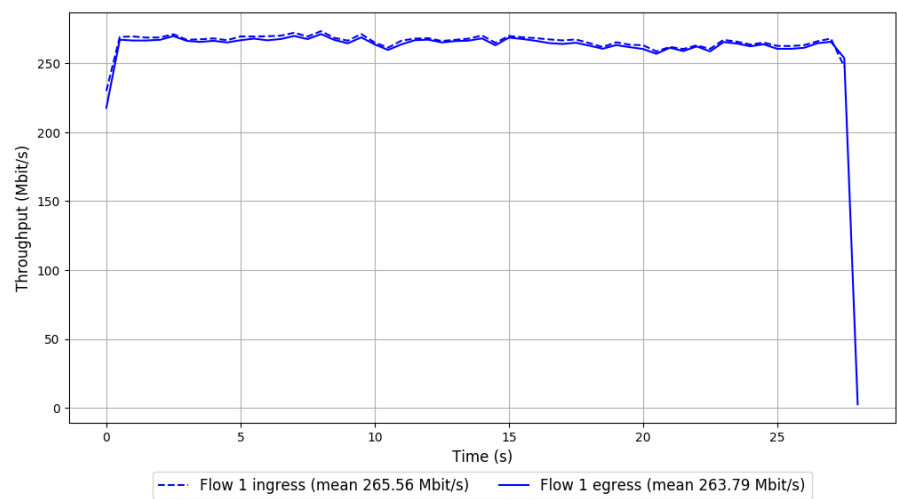
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 228.99 Mbit/s)   Flow 1 egress (mean 225.86 Mbit/s)

Flow 1 (95th percentile 19.10 ms)

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

Start at: 2017-11-15 23:43:30
End at: 2017-11-15 23:44:00
Local clock offset: 1.406 ms
Remote clock offset: -1.049 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 263.79 Mbit/s
95th percentile per-packet one-way delay: 18.977 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 263.79 Mbit/s
95th percentile per-packet one-way delay: 18.977 ms
Loss rate: 0.67%
```
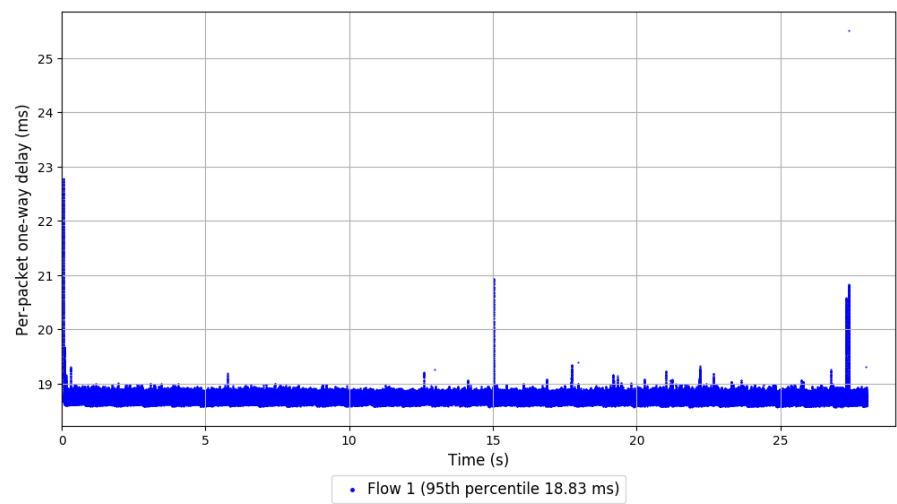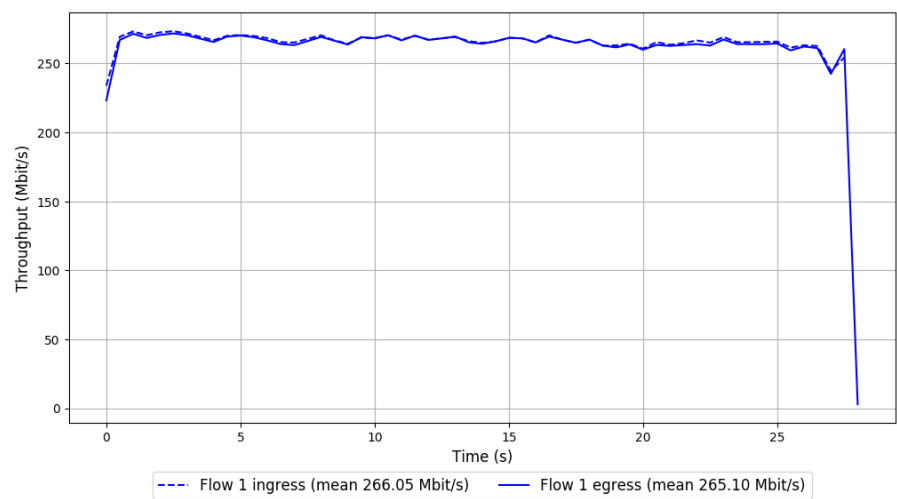
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 265.56 Mbit/s)   Flow 1 egress (mean 263.79 Mbit/s)

Flow 1 (95th percentile 18.98 ms)

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

Start at: 2017-11-16 00:01:38
End at: 2017-11-16 00:02:08
Local clock offset: 1.16 ms
Remote clock offset: -1.475 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 265.10 Mbit/s
95th percentile per-packet one-way delay: 18.830 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 265.10 Mbit/s
95th percentile per-packet one-way delay: 18.830 ms
Loss rate: 0.36%
```
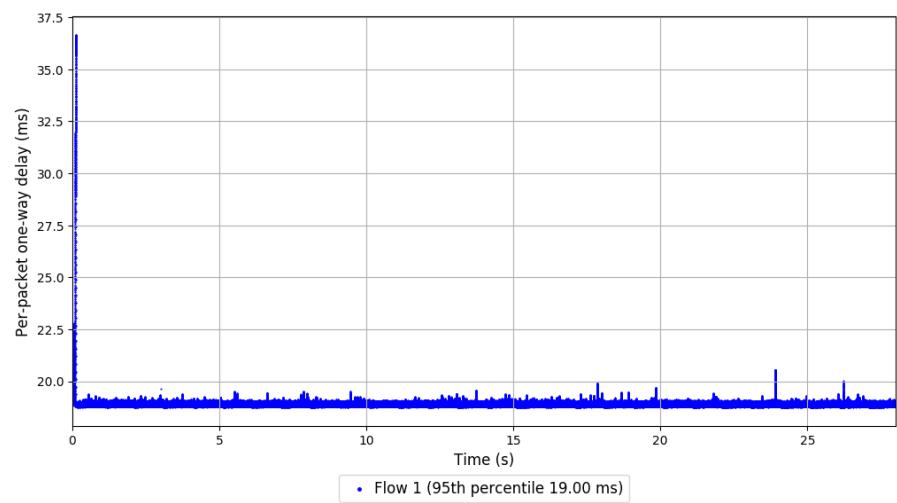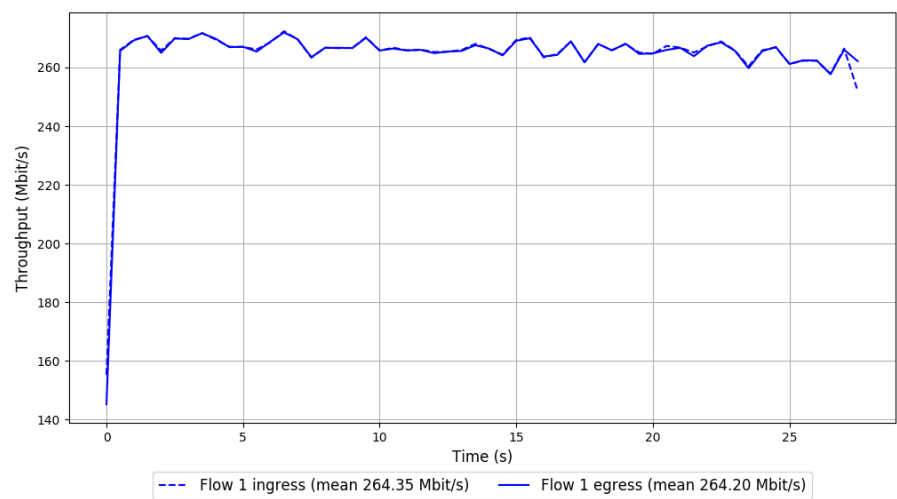
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 266.05 Mbit/s) --- Flow 1 egress (mean 265.10 Mbit/s)

• Flow 1 (95th percentile 18.83 ms)

169

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

Start at: 2017-11-16 00:19:48
End at: 2017-11-16 00:20:18
Local clock offset: 0.717 ms
Remote clock offset: -1.525 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.20 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 264.20 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.06%
```
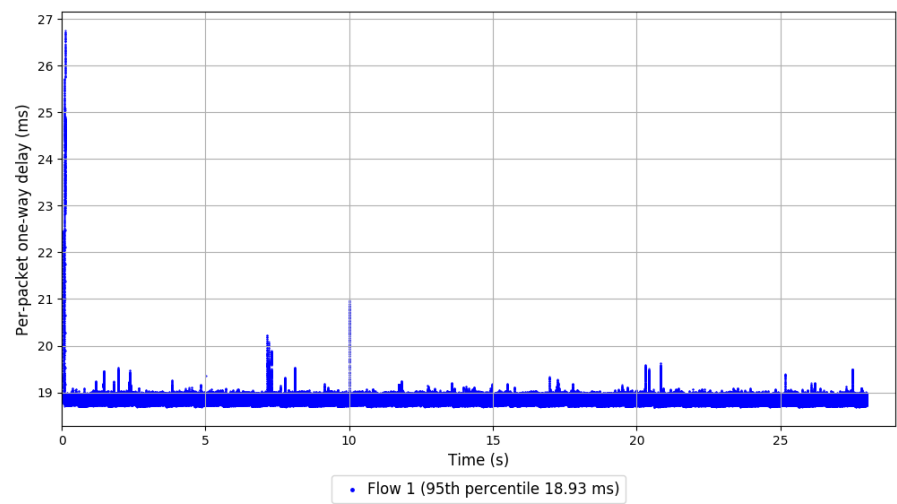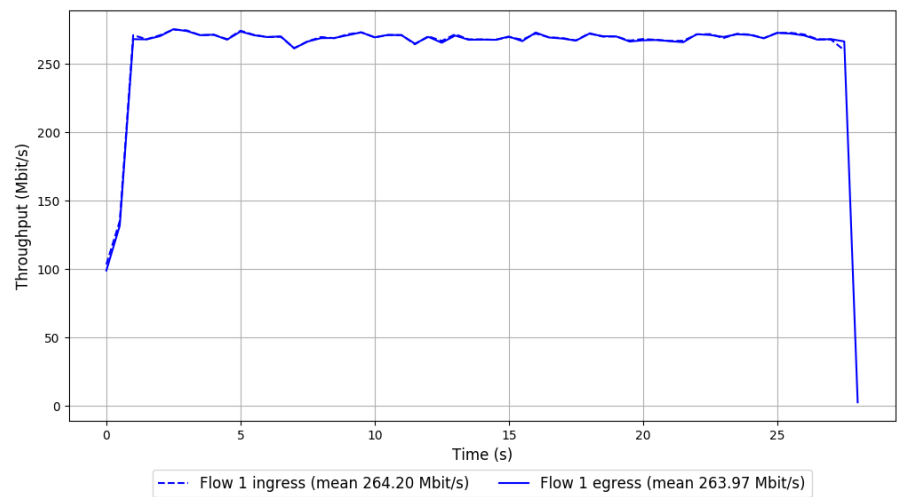
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 264.35 Mbit/s)　　Flow 1 egress (mean 264.20 Mbit/s)

Flow 1 (95th percentile 19.00 ms)

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

Start at: 2017-11-16 00:37:54
End at: 2017-11-16 00:38:24
Local clock offset: 0.465 ms
Remote clock offset: -1.559 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 263.97 Mbit/s
95th percentile per-packet one-way delay: 18.933 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 263.97 Mbit/s
95th percentile per-packet one-way delay: 18.933 ms
Loss rate: 0.09%
```
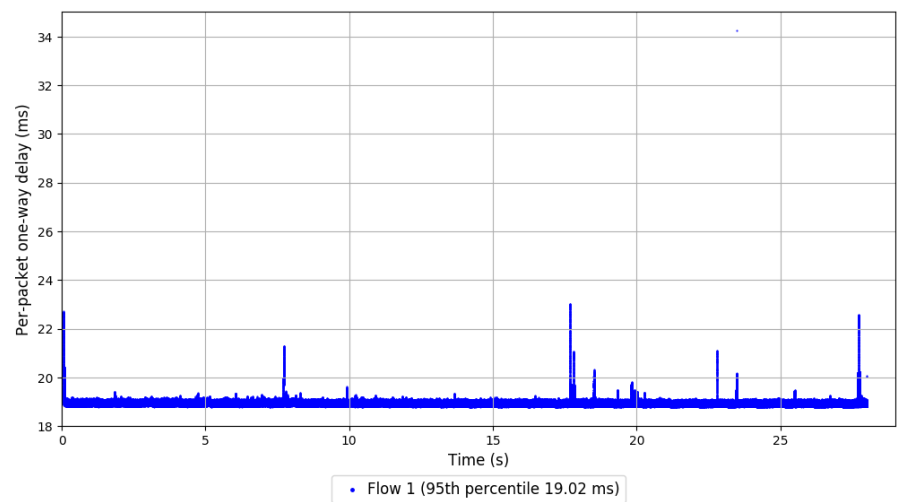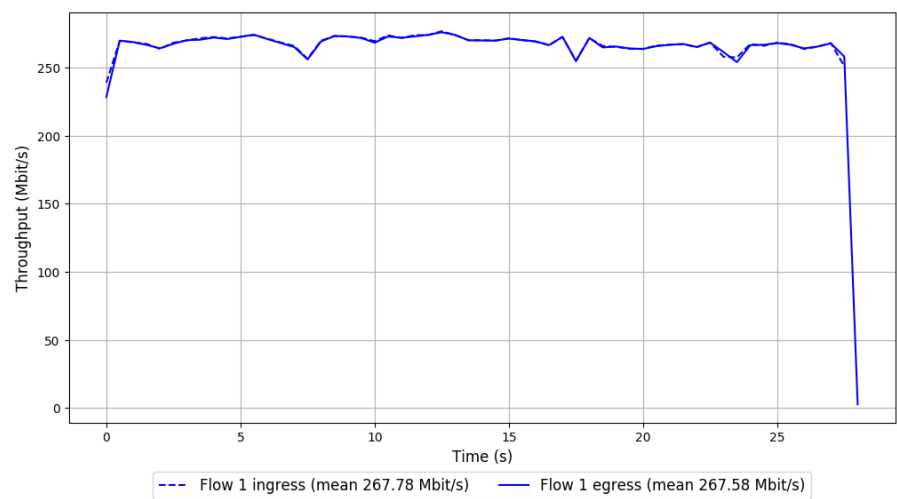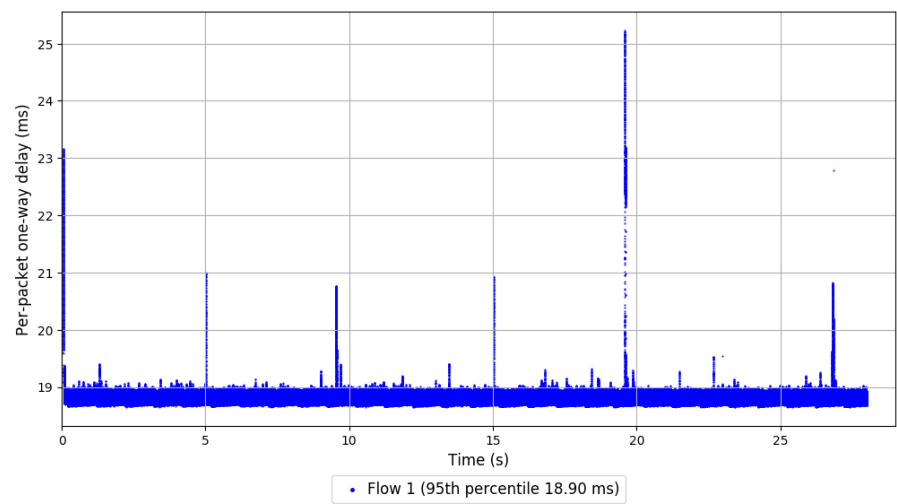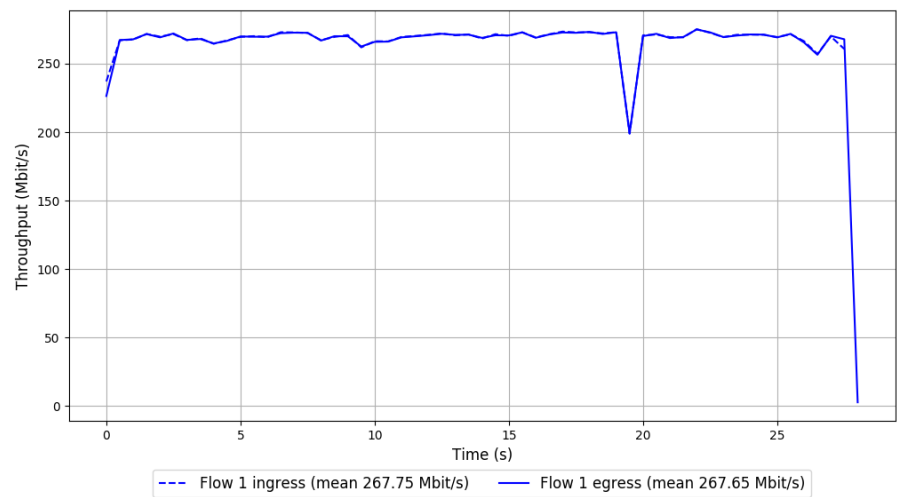
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 264.20 Mbit/s)   Flow 1 egress (mean 263.97 Mbit/s)

Flow 1 (95th percentile 18.93 ms)

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

Start at: 2017-11-16 00:56:03
End at: 2017-11-16 00:56:33
Local clock offset: 0.251 ms
Remote clock offset: -1.543 ms


# Below is generated by plot.py at 2017-11-16 04:22:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 267.58 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 267.58 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.07%
```
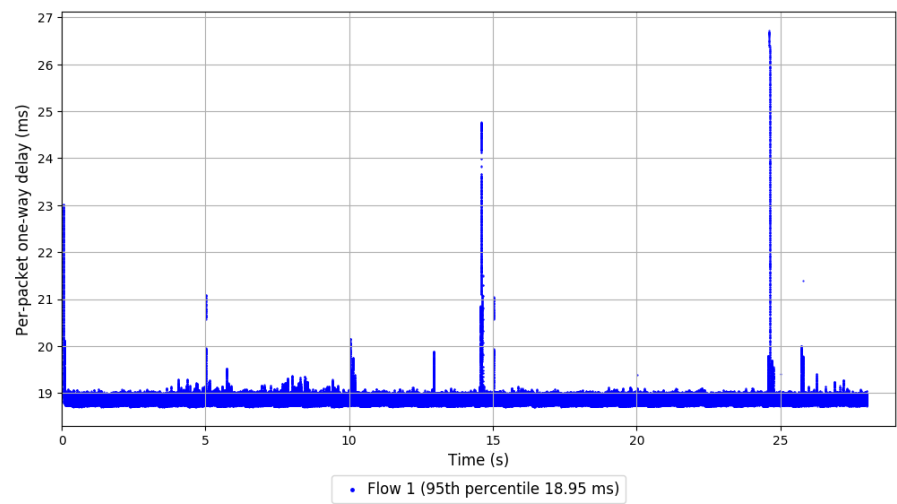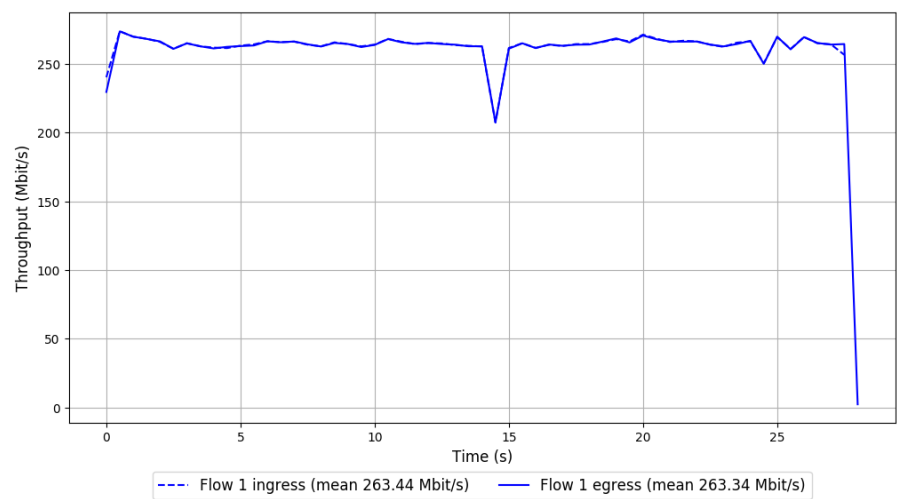
Run 6: Report of TaoVA-100x — Data Link

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

Start at: 2017-11-16 01:14:16
End at: 2017-11-16 01:14:46
Local clock offset: -0.087 ms
Remote clock offset: -1.383 ms


# Below is generated by plot.py at 2017-11-16 04:26:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 267.65 Mbit/s
95th percentile per-packet one-way delay: 18.900 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 267.65 Mbit/s
95th percentile per-packet one-way delay: 18.900 ms
Loss rate: 0.04%
```

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

Flow 1 ingress (mean 267.75 Mbit/s)   Flow 1 egress (mean 267.65 Mbit/s)

Flow 1 (95th percentile 18.90 ms)

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

Start at: 2017-11-16 01:32:31
End at: 2017-11-16 01:33:01
Local clock offset: -0.214 ms
Remote clock offset: -1.576 ms


# Below is generated by plot.py at 2017-11-16 04:27:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 263.34 Mbit/s
95th percentile per-packet one-way delay: 18.951 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 263.34 Mbit/s
95th percentile per-packet one-way delay: 18.951 ms
Loss rate: 0.04%
```
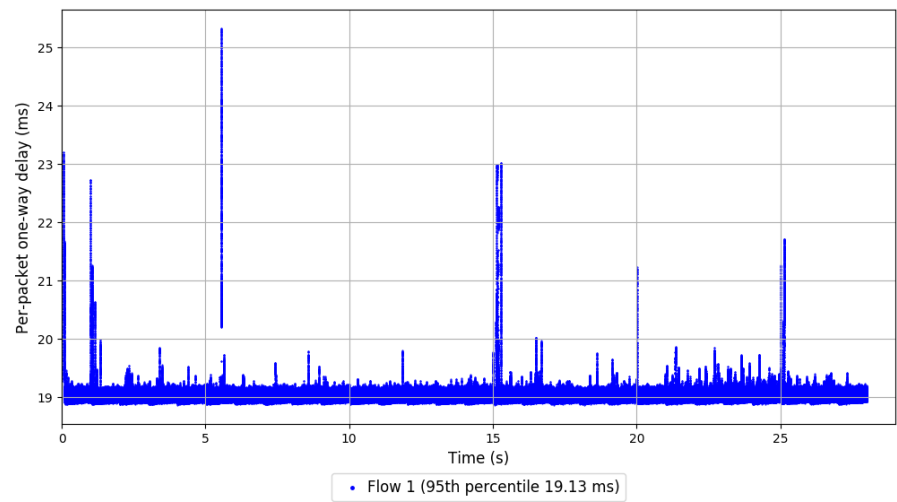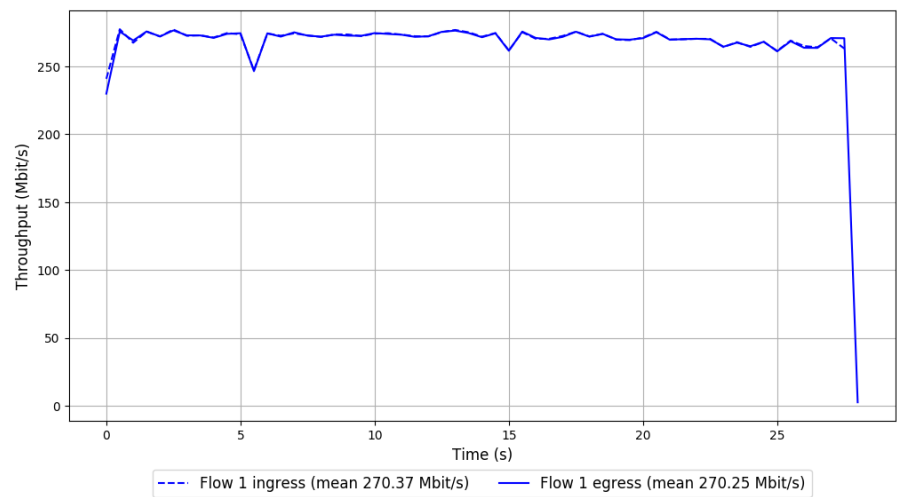
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 263.44 Mbit/s)   Flow 1 egress (mean 263.34 Mbit/s)

Flow 1 (95th percentile 18.95 ms)

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

Start at: 2017-11-16 01:50:36
End at: 2017-11-16 01:51:06
Local clock offset: 0.235 ms
Remote clock offset: -1.464 ms


# Below is generated by plot.py at 2017-11-16 04:27:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 270.25 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 270.25 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.05%
```
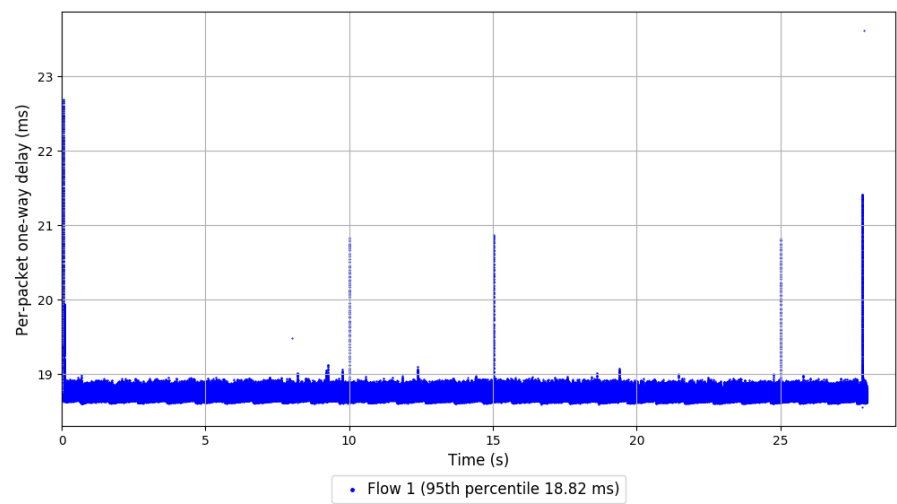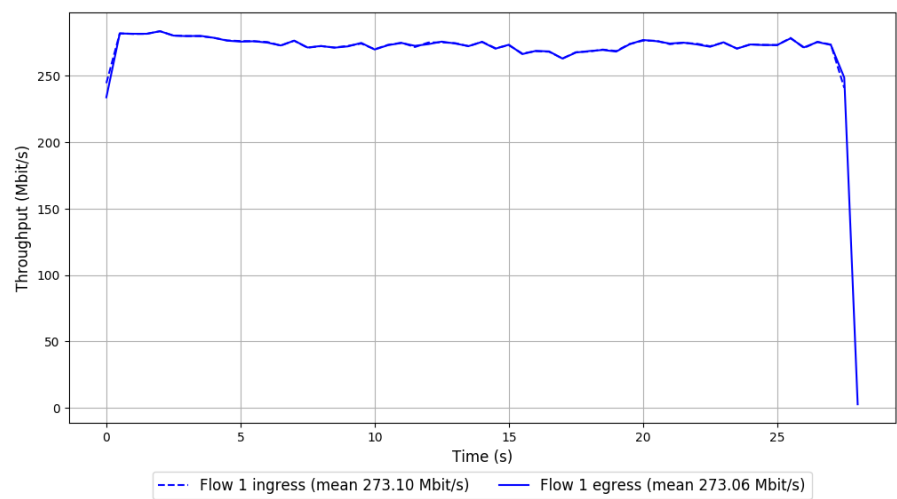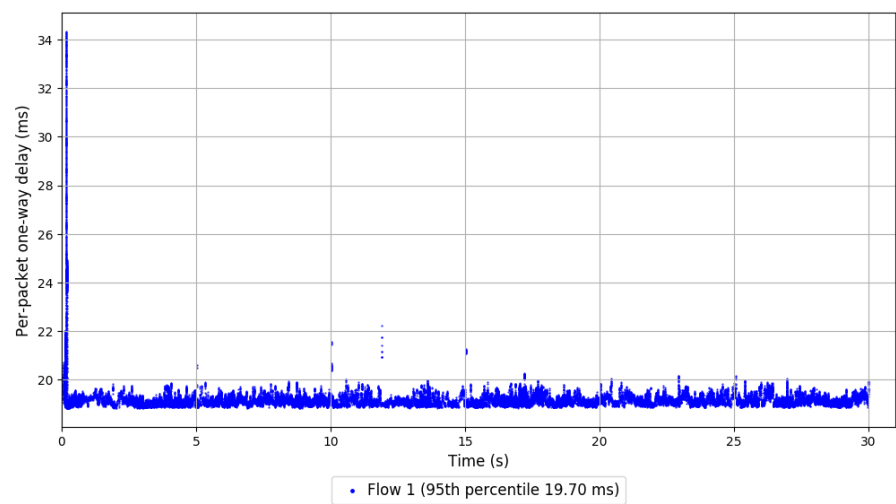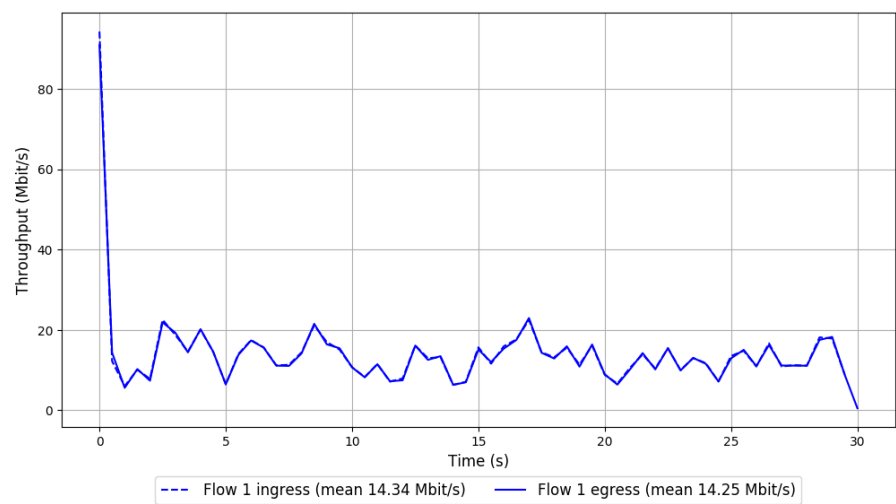
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 270.37 Mbit/s)   Flow 1 egress (mean 270.25 Mbit/s)

Flow 1 (95th percentile 19.13 ms)

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

Start at: 2017-11-16 02:08:48
End at: 2017-11-16 02:09:18
Local clock offset: 0.518 ms
Remote clock offset: -1.525 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 273.06 Mbit/s
95th percentile per-packet one-way delay: 18.819 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 273.06 Mbit/s
95th percentile per-packet one-way delay: 18.819 ms
Loss rate: 0.02%
```

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

Flow 1 ingress (mean 273.10 Mbit/s) —— Flow 1 egress (mean 273.06 Mbit/s)
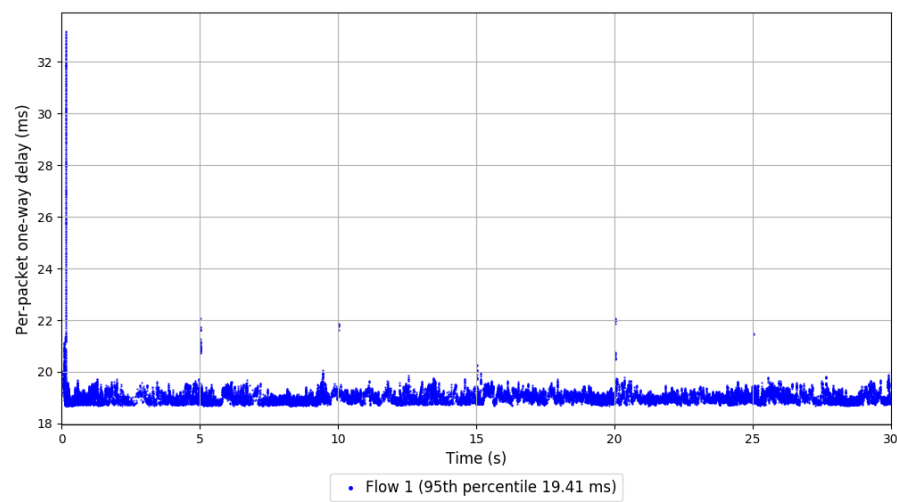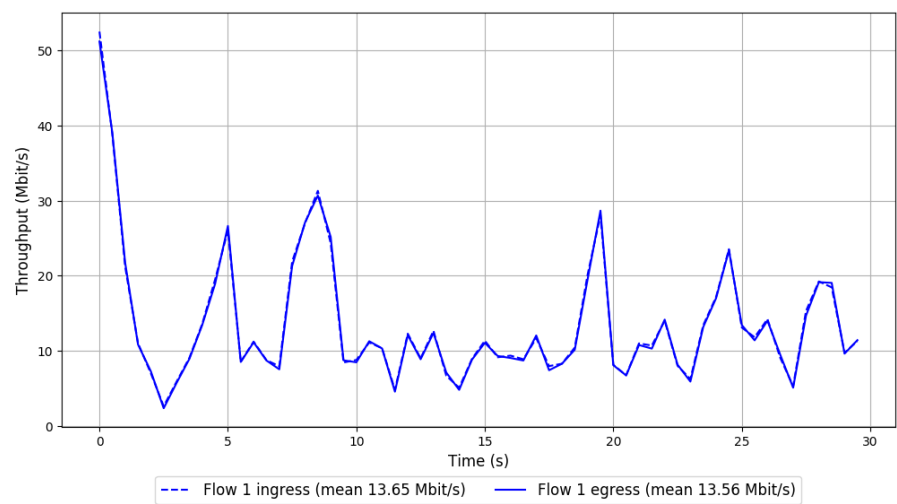

• Flow 1 (95th percentile 18.82 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2017-11-15 23:33:11
End at: 2017-11-15 23:33:41
Local clock offset: 1.49 ms
Remote clock offset: -0.633 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 19.699 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 19.699 ms
Loss rate: 0.63%
```
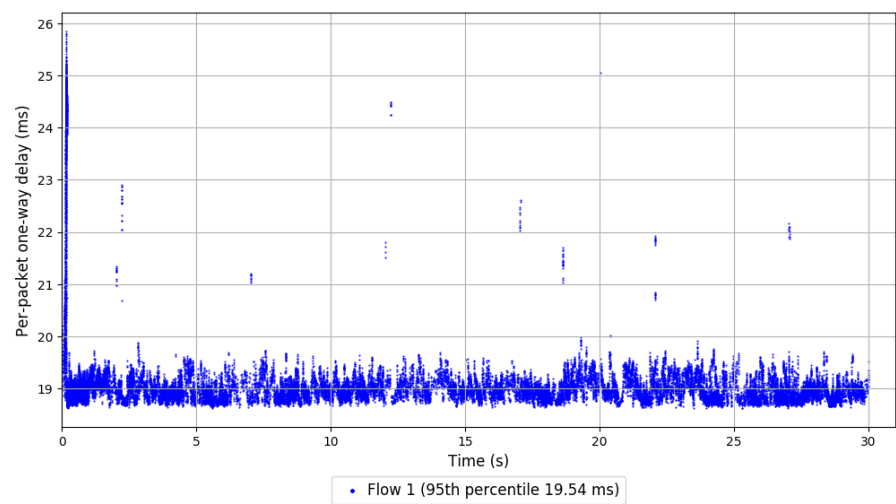
Run 1: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 14.34 Mbit/s)   Flow 1 egress (mean 14.25 Mbit/s)

Flow 1 (95th percentile 19.70 ms)

```
Run 2: Statistics of TCP Vegas

Start at: 2017-11-15 23:51:20
End at: 2017-11-15 23:51:50
Local clock offset: 1.295 ms
Remote clock offset: -1.305 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 19.414 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 13.56 Mbit/s
95th percentile per-packet one-way delay: 19.414 ms
Loss rate: 0.65%
```
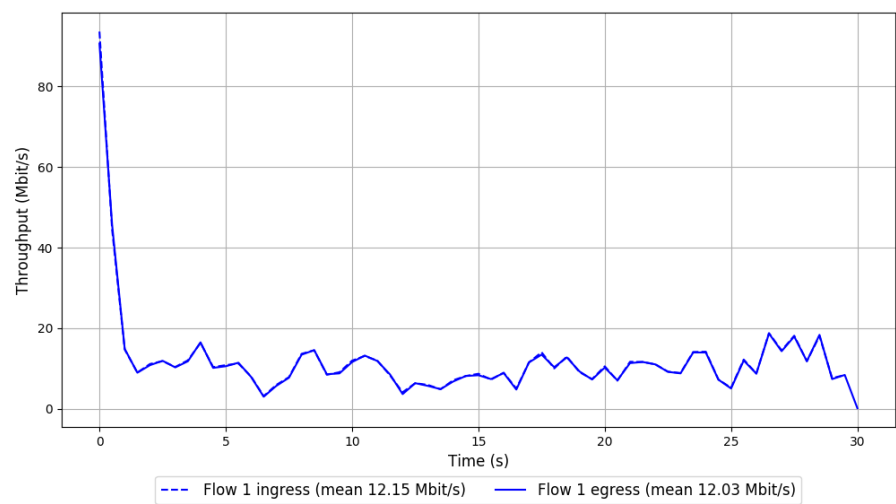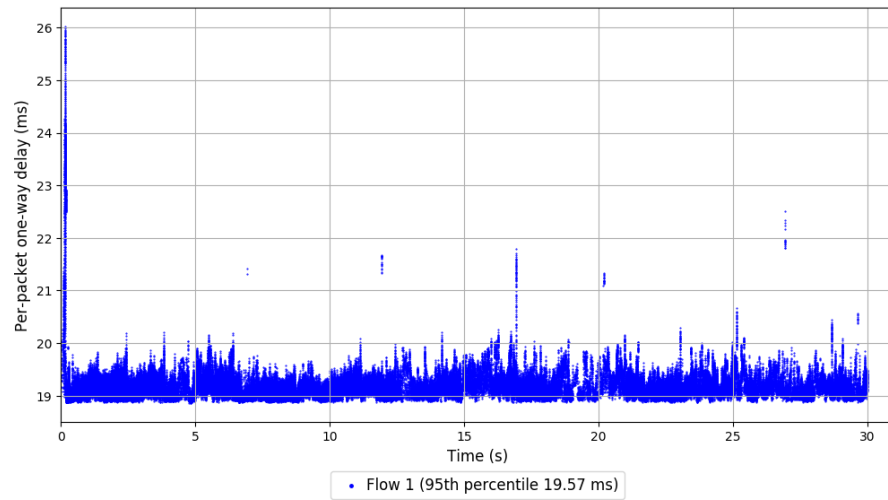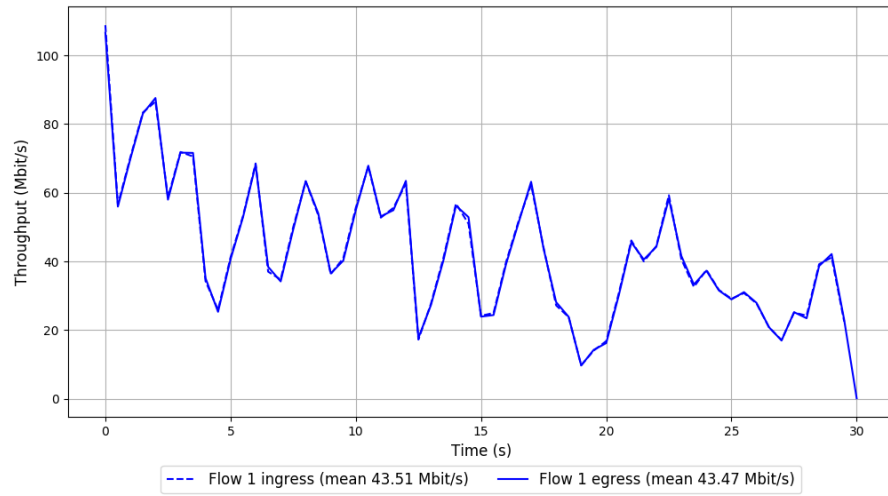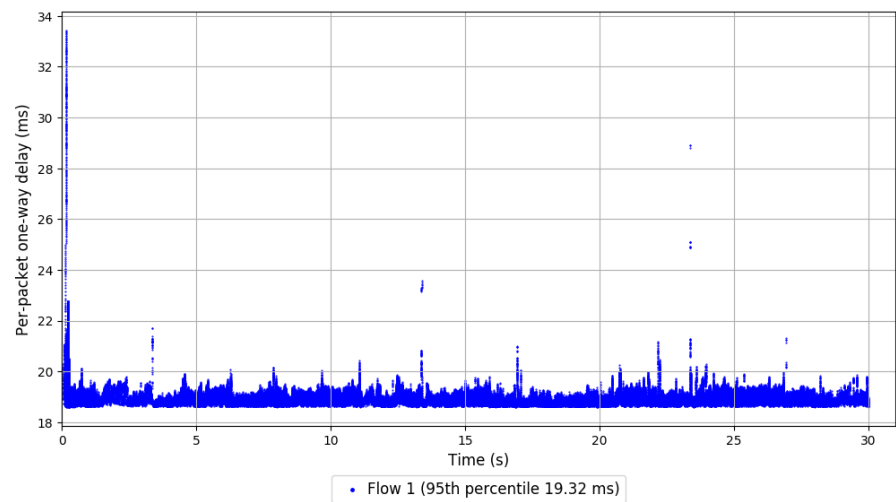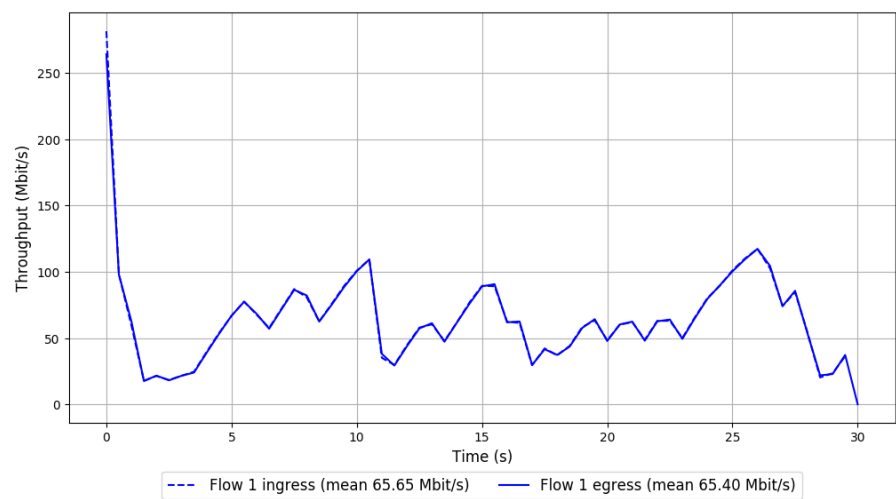
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2017-11-16 00:09:26
End at: 2017-11-16 00:09:56
Local clock offset: 0.935 ms
Remote clock offset: -1.48 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 19.537 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 19.537 ms
Loss rate: 1.00%
```

Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 12.15 Mbit/s)   Flow 1 egress (mean 12.03 Mbit/s)

Flow 1 (95th percentile 19.54 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2017-11-16 00:27:33
End at: 2017-11-16 00:28:03
Local clock offset: 0.552 ms
Remote clock offset: -1.415 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.47 Mbit/s
95th percentile per-packet one-way delay: 19.566 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 43.47 Mbit/s
95th percentile per-packet one-way delay: 19.566 ms
Loss rate: 0.11%
```
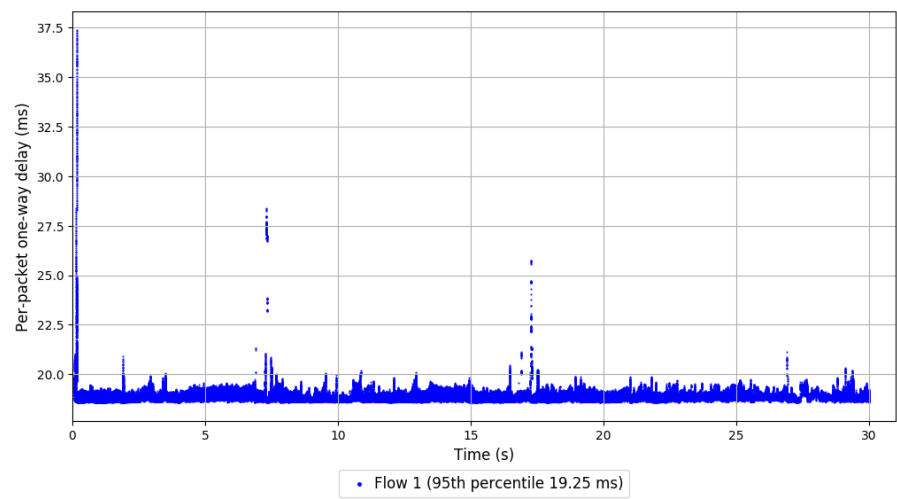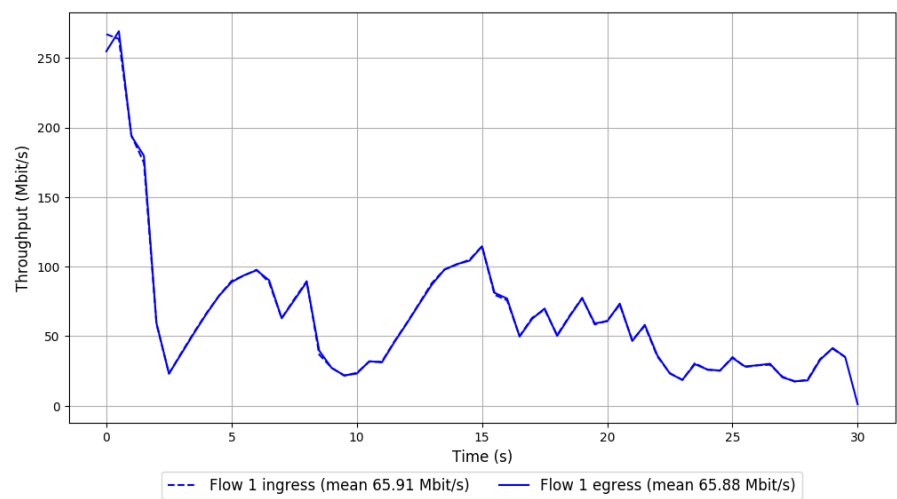
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2017-11-16 00:45:39
End at: 2017-11-16 00:46:09
Local clock offset: 0.459 ms
Remote clock offset: -1.543 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.40 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 65.40 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 0.39%
```
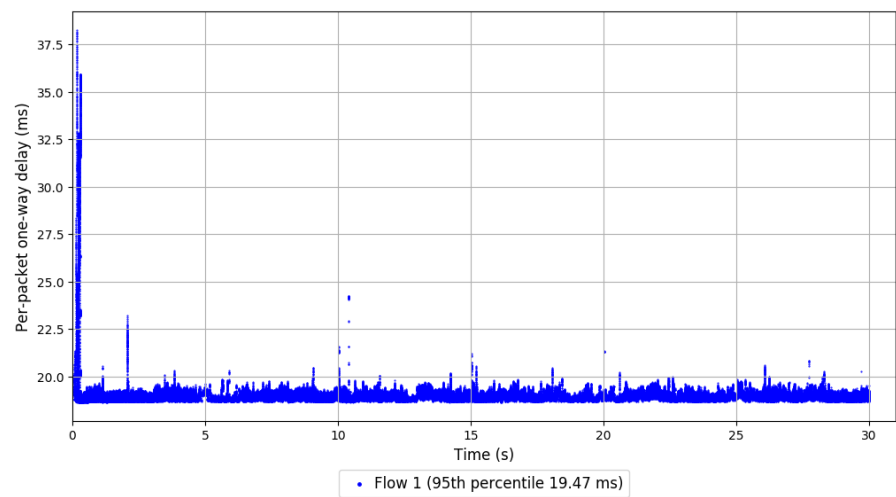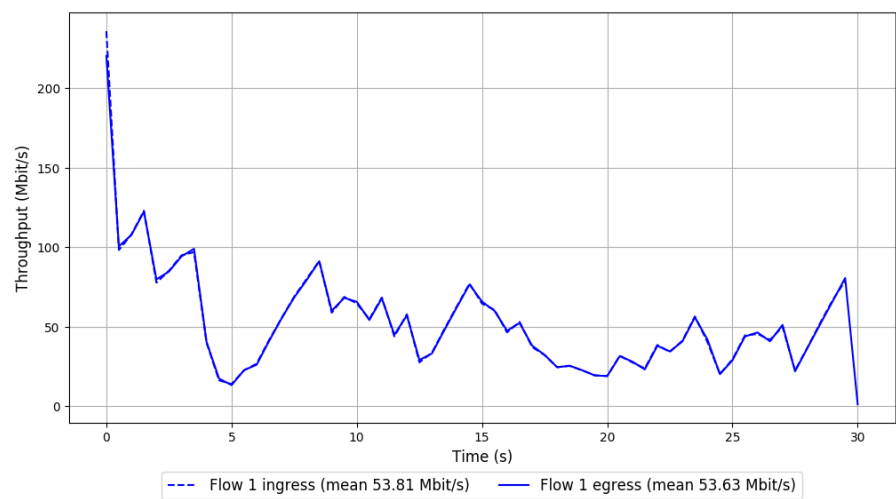
Run 5: Report of TCP Vegas — Data Link

```
Run 6: Statistics of TCP Vegas

Start at: 2017-11-16 01:03:51
End at: 2017-11-16 01:04:21
Local clock offset: 0.093 ms
Remote clock offset: -1.481 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.88 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 65.88 Mbit/s
95th percentile per-packet one-way delay: 19.245 ms
Loss rate: 0.04%
```
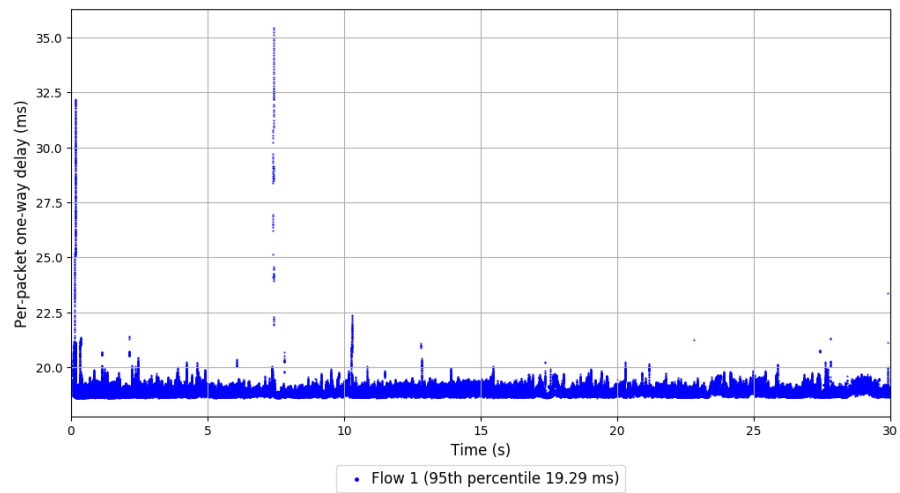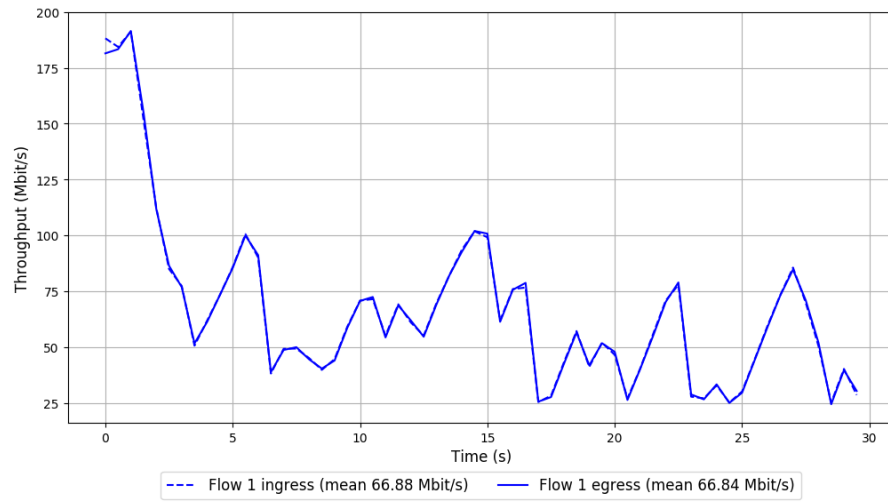
Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2017-11-16 01:22:07
End at: 2017-11-16 01:22:37
Local clock offset: -0.165 ms
Remote clock offset: -1.437 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.63 Mbit/s
95th percentile per-packet one-way delay: 19.467 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 53.63 Mbit/s
95th percentile per-packet one-way delay: 19.467 ms
Loss rate: 0.33%
```

Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 53.81 Mbit/s)   Flow 1 egress (mean 53.63 Mbit/s)
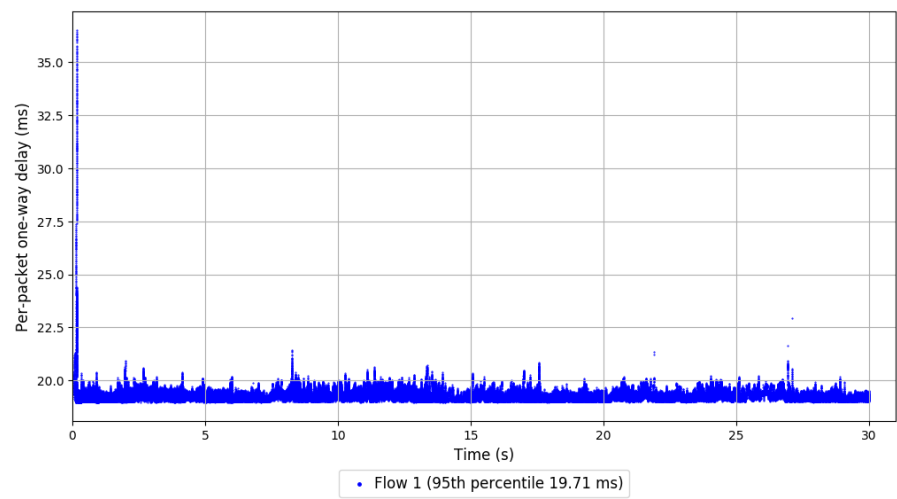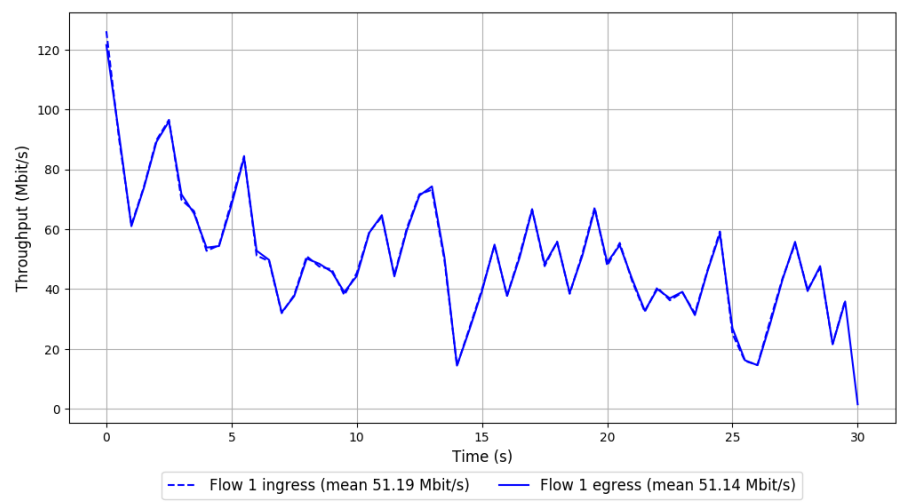

Flow 1 (95th percentile 19.47 ms)

197

```
Run 8: Statistics of TCP Vegas

Start at: 2017-11-16 01:40:15
End at: 2017-11-16 01:40:45
Local clock offset: 0.107 ms
Remote clock offset: -1.541 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 19.289 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 19.289 ms
Loss rate: 0.05%
```

Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: 2017-11-16 01:58:25
End at: 2017-11-16 01:58:55
Local clock offset: 0.323 ms
Remote clock offset: -1.515 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.14 Mbit/s
95th percentile per-packet one-way delay: 19.713 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 51.14 Mbit/s
95th percentile per-packet one-way delay: 19.713 ms
Loss rate: 0.09%
```
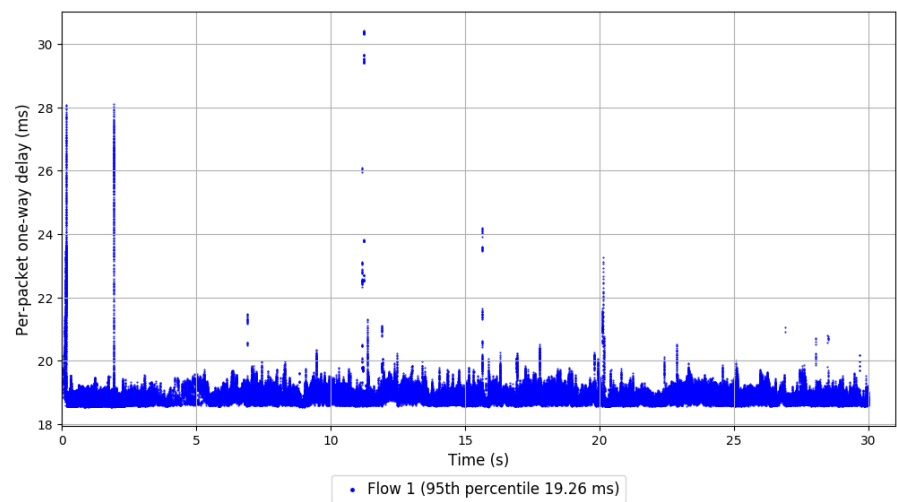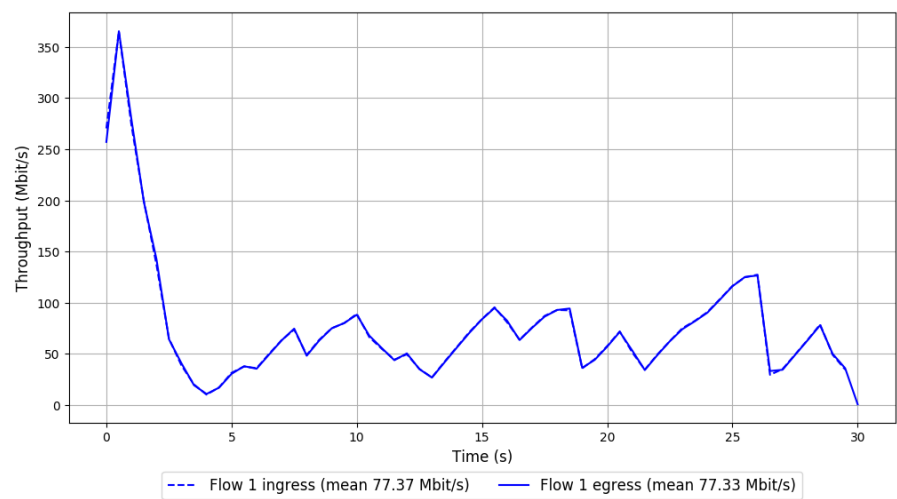
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 51.19 Mbit/s) — Flow 1 egress (mean 51.14 Mbit/s)

Flow 1 (95th percentile 19.71 ms)

201

```
Run 10: Statistics of TCP Vegas

Start at: 2017-11-16 02:16:38
End at: 2017-11-16 02:17:08
Local clock offset: 0.574 ms
Remote clock offset: -1.6 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.33 Mbit/s
95th percentile per-packet one-way delay: 19.257 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 77.33 Mbit/s
95th percentile per-packet one-way delay: 19.257 ms
Loss rate: 0.05%
```
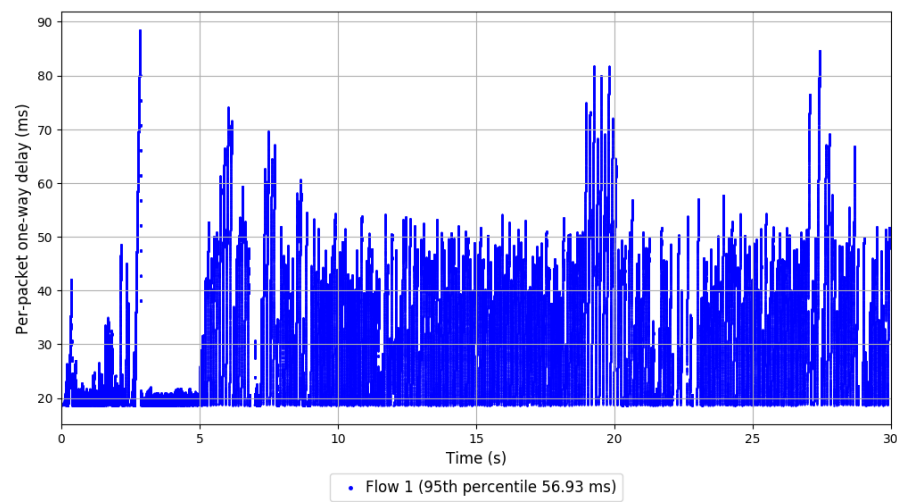
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2017-11-15 23:31:51
End at: 2017-11-15 23:32:21
Local clock offset: 1.585 ms
Remote clock offset: -0.7 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 165.50 Mbit/s
95th percentile per-packet one-way delay: 56.934 ms
Loss rate: 28.19%
-- Flow 1:
Average throughput: 165.50 Mbit/s
95th percentile per-packet one-way delay: 56.934 ms
Loss rate: 28.19%
```
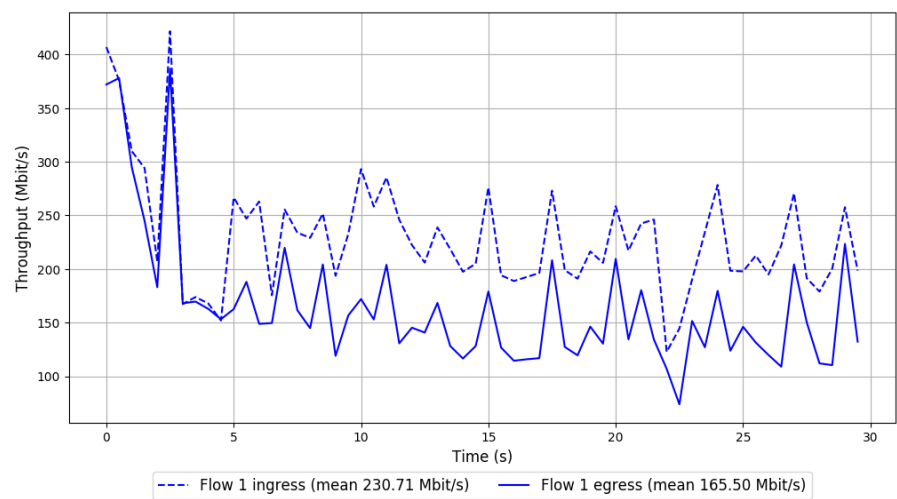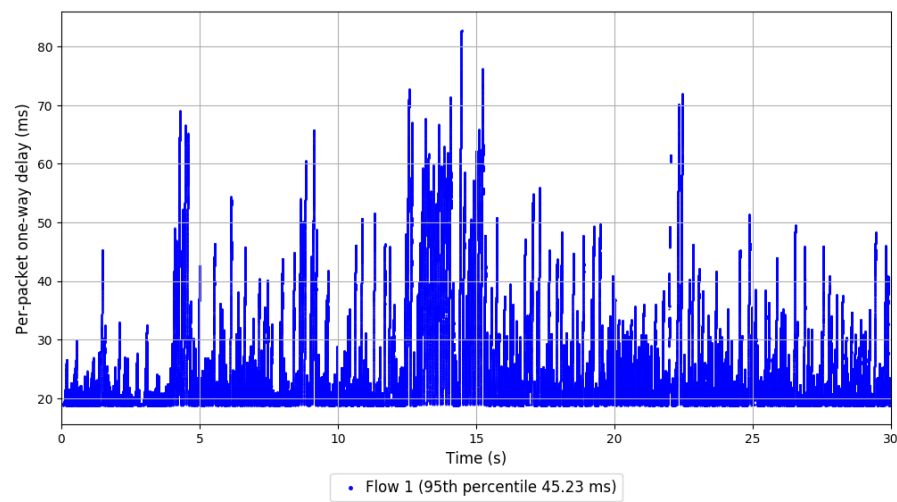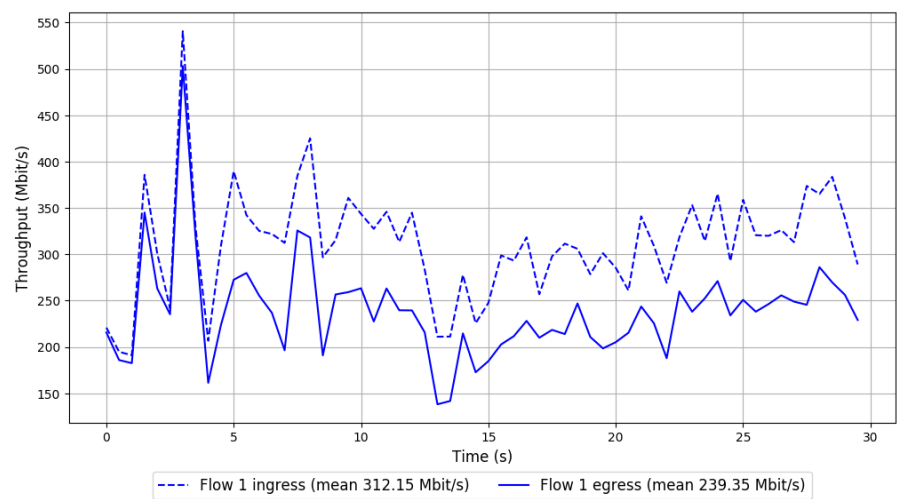
Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 230.71 Mbit/s)   Flow 1 egress (mean 165.50 Mbit/s)

Flow 1 (95th percentile 56.93 ms)

```
Run 2: Statistics of Verus

Start at: 2017-11-15 23:49:56
End at: 2017-11-15 23:50:26
Local clock offset: 1.417 ms
Remote clock offset: -1.274 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.35 Mbit/s
95th percentile per-packet one-way delay: 45.234 ms
Loss rate: 23.32%
-- Flow 1:
Average throughput: 239.35 Mbit/s
95th percentile per-packet one-way delay: 45.234 ms
Loss rate: 23.32%
```
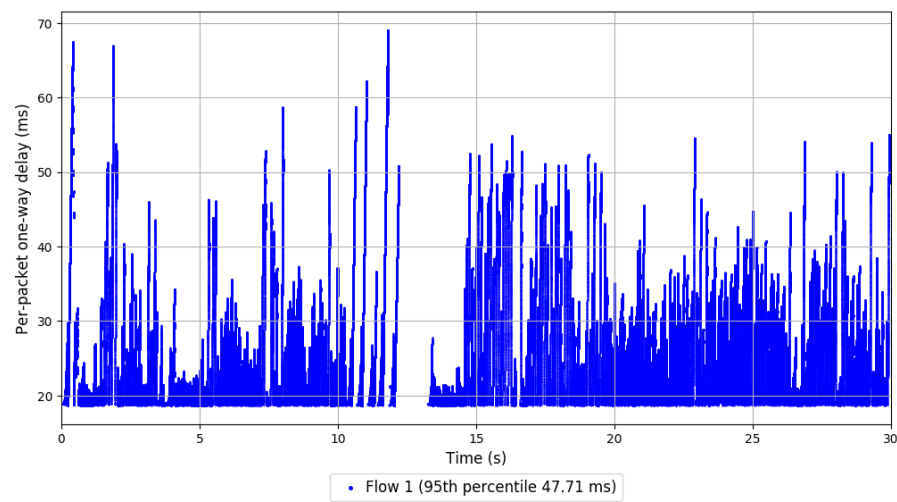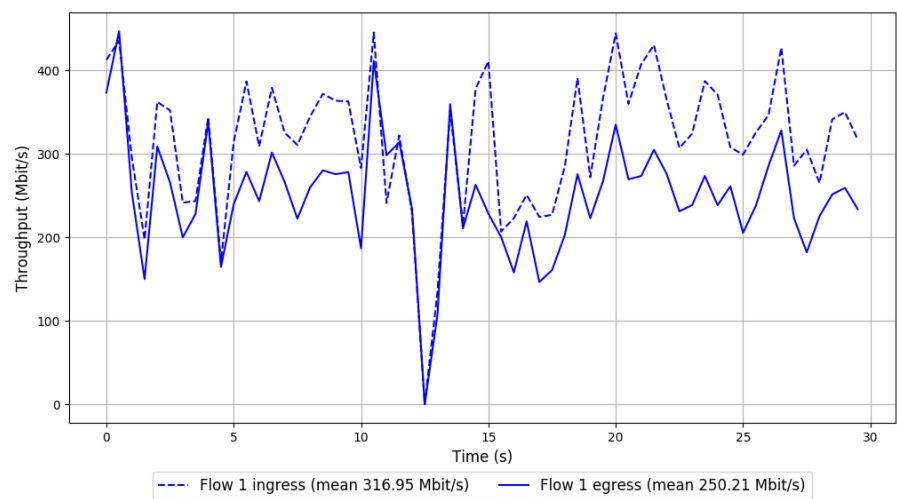
Run 2: Report of Verus — Data Link

Flow 1 ingress (mean 312.15 Mbit/s) ---- Flow 1 egress (mean 239.35 Mbit/s) ——
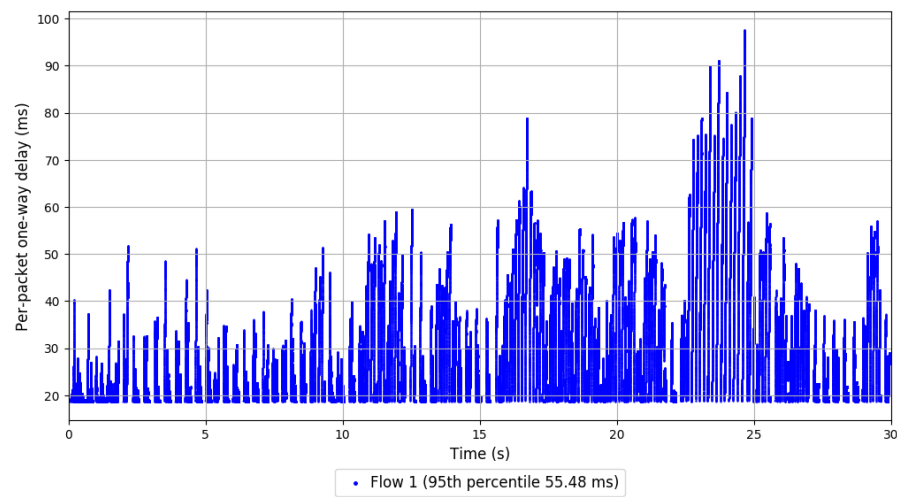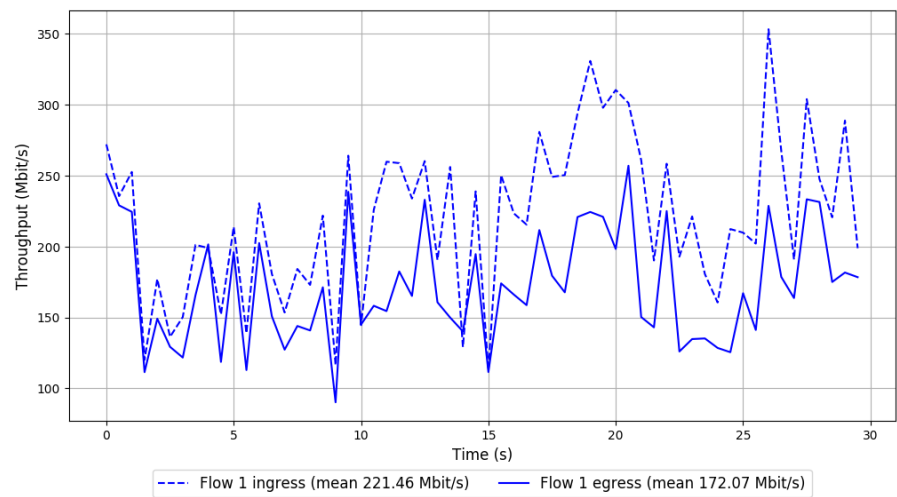

Flow 1 (95th percentile 45.23 ms)

```
Run 3: Statistics of Verus

Start at: 2017-11-16 00:08:01
End at: 2017-11-16 00:08:31
Local clock offset: 0.893 ms
Remote clock offset: -1.49 ms

# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.21 Mbit/s
95th percentile per-packet one-way delay: 47.707 ms
Loss rate: 20.97%
-- Flow 1:
Average throughput: 250.21 Mbit/s
95th percentile per-packet one-way delay: 47.707 ms
Loss rate: 20.97%
```

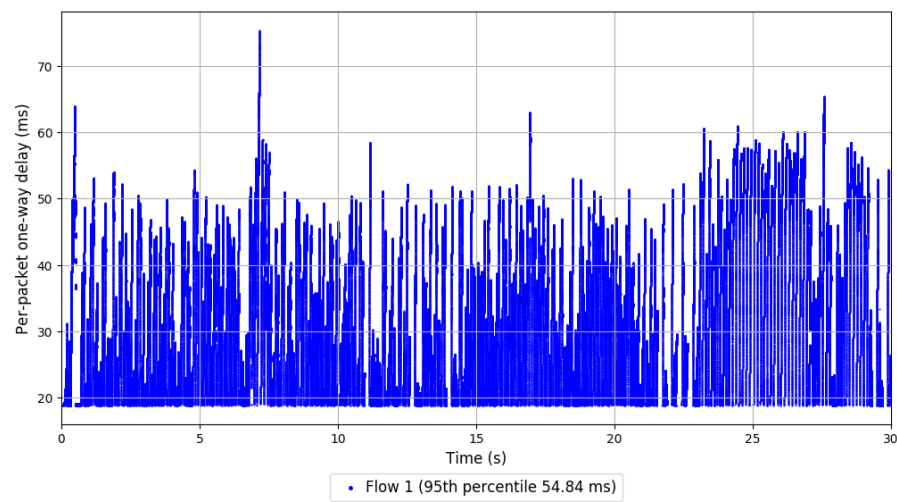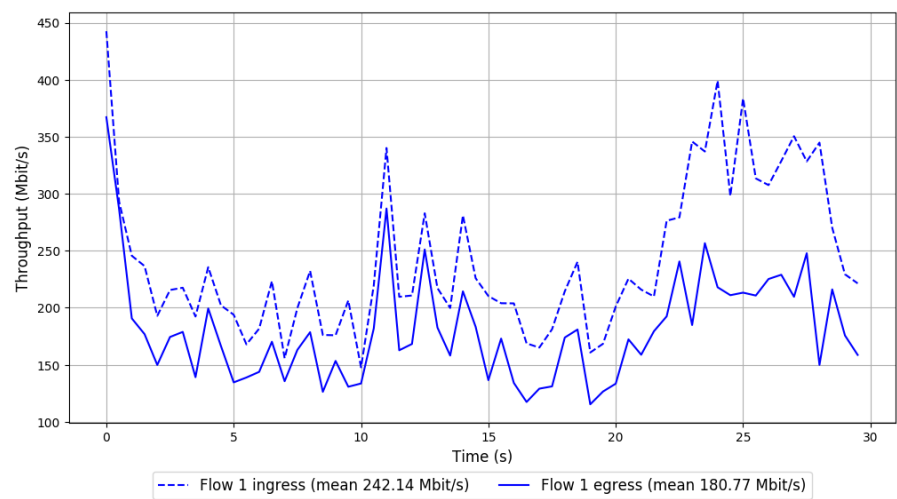## Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2017-11-16 00:26:12
End at: 2017-11-16 00:26:42
Local clock offset: 0.637 ms
Remote clock offset: -1.415 ms


# Below is generated by plot.py at 2017-11-16 04:27:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 172.07 Mbit/s
95th percentile per-packet one-way delay: 55.476 ms
Loss rate: 22.27%
-- Flow 1:
Average throughput: 172.07 Mbit/s
95th percentile per-packet one-way delay: 55.476 ms
Loss rate: 22.27%
```
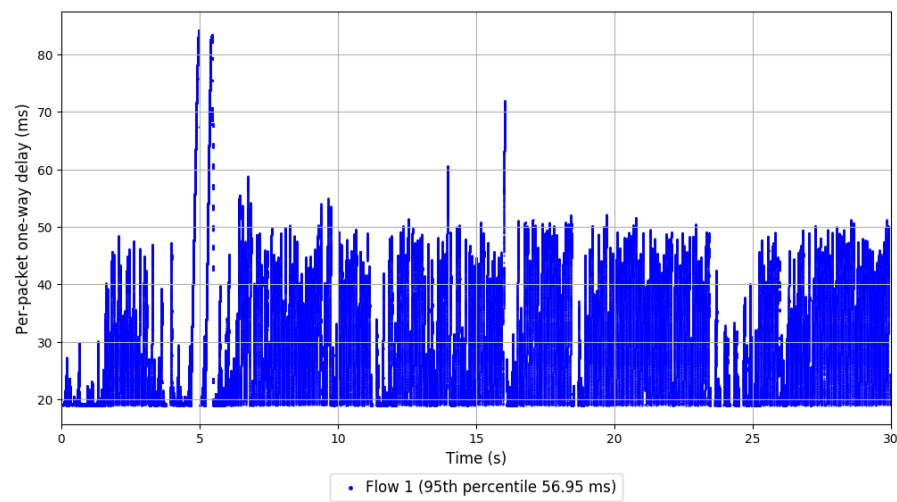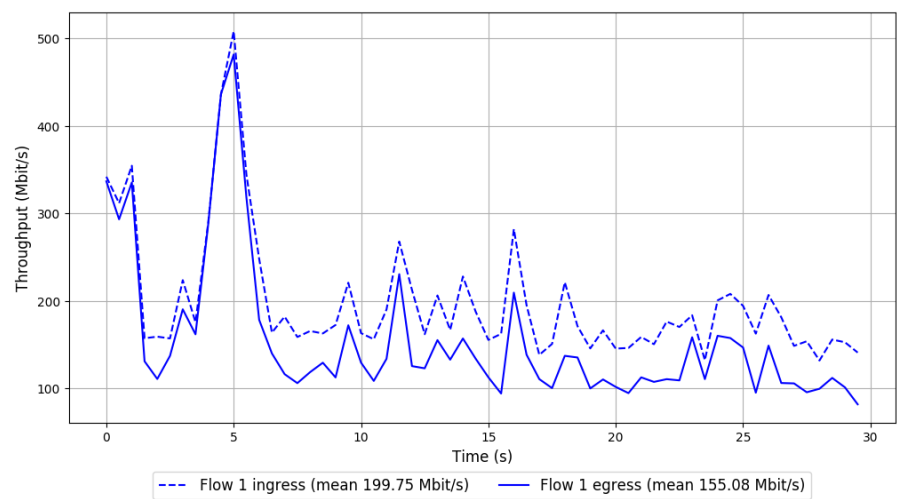
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2017-11-16 00:44:19
End at: 2017-11-16 00:44:49
Local clock offset: 0.483 ms
Remote clock offset: -1.541 ms


# Below is generated by plot.py at 2017-11-16 04:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.77 Mbit/s
95th percentile per-packet one-way delay: 54.843 ms
Loss rate: 25.34%
-- Flow 1:
Average throughput: 180.77 Mbit/s
95th percentile per-packet one-way delay: 54.843 ms
Loss rate: 25.34%
```

Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2017-11-16 01:02:32
End at: 2017-11-16 01:03:02
Local clock offset: 0.021 ms
Remote clock offset: -1.431 ms


# Below is generated by plot.py at 2017-11-16 04:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.08 Mbit/s
95th percentile per-packet one-way delay: 56.954 ms
Loss rate: 22.36%
-- Flow 1:
Average throughput: 155.08 Mbit/s
95th percentile per-packet one-way delay: 56.954 ms
Loss rate: 22.36%
```
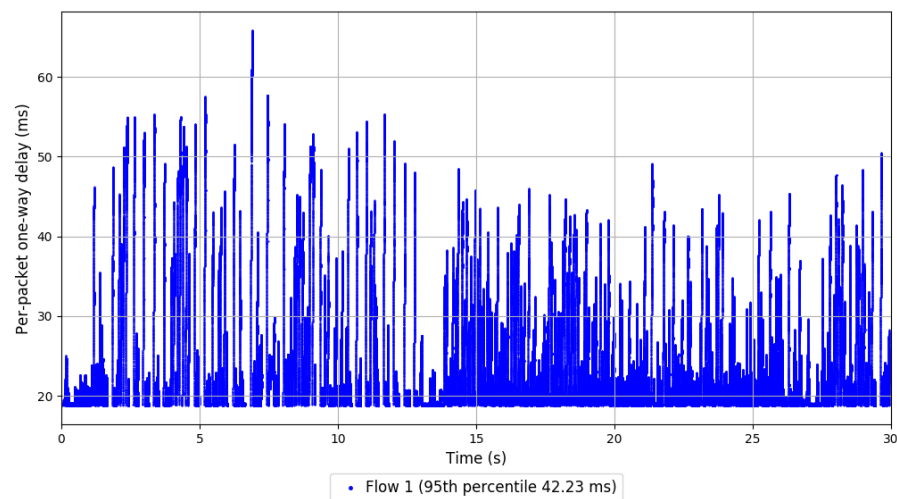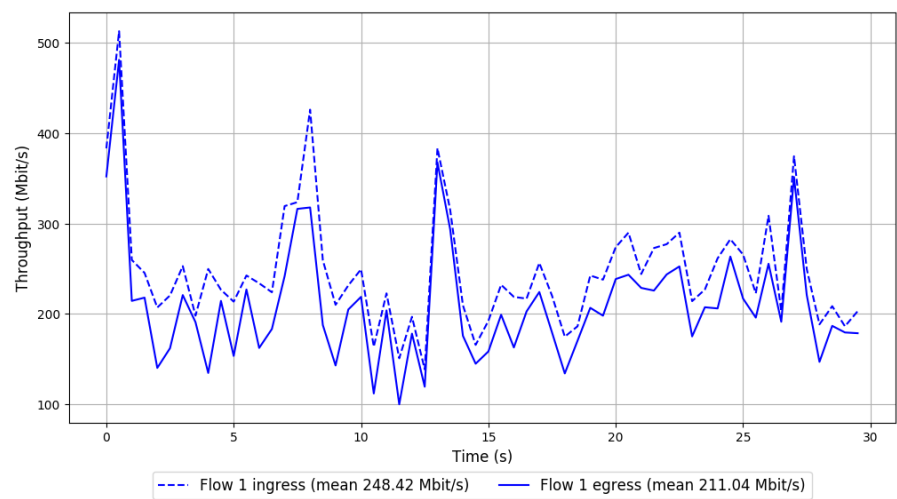
Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 199.75 Mbit/s)   Flow 1 egress (mean 155.08 Mbit/s)

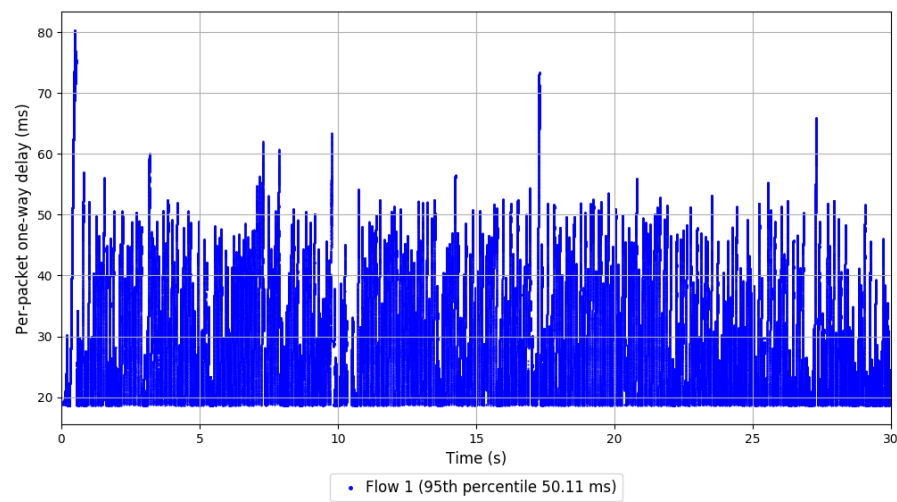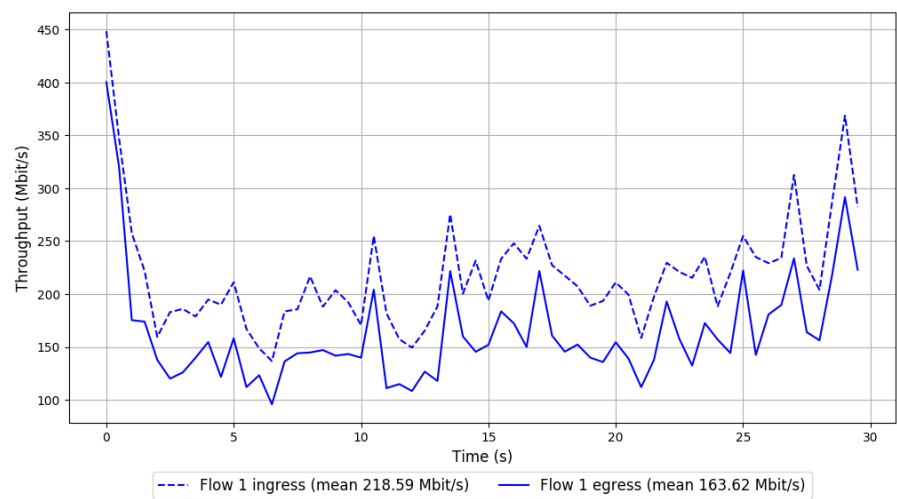Flow 1 (95th percentile 56.95 ms)

```
Run 7: Statistics of Verus

Start at: 2017-11-16 01:20:46
End at: 2017-11-16 01:21:16
Local clock offset: -0.195 ms
Remote clock offset: -1.36 ms


# Below is generated by plot.py at 2017-11-16 04:29:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.04 Mbit/s
95th percentile per-packet one-way delay: 42.226 ms
Loss rate: 15.02%
-- Flow 1:
Average throughput: 211.04 Mbit/s
95th percentile per-packet one-way delay: 42.226 ms
Loss rate: 15.02%
```
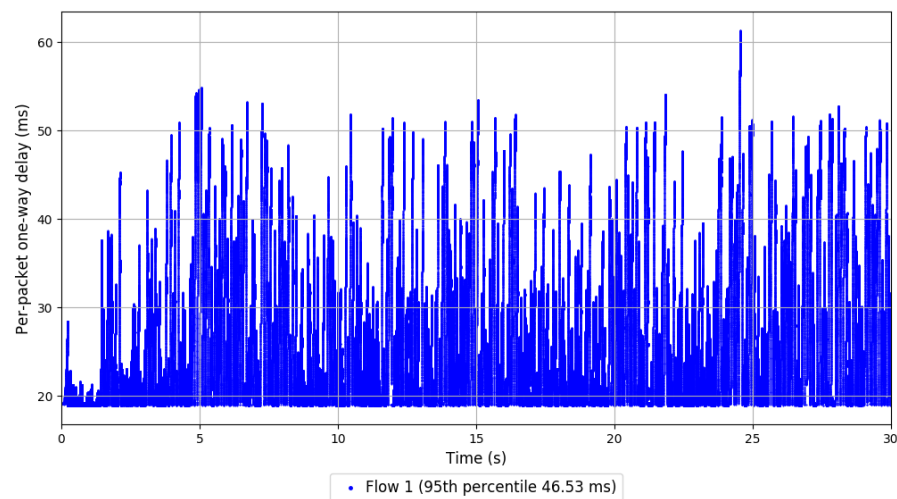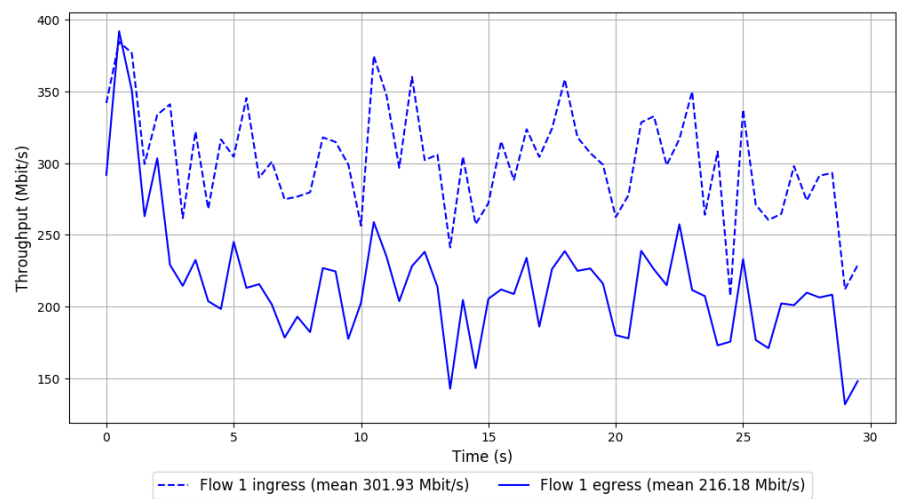
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2017-11-16 01:38:56
End at: 2017-11-16 01:39:26
Local clock offset: 0.057 ms
Remote clock offset: -1.549 ms


# Below is generated by plot.py at 2017-11-16 04:29:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.62 Mbit/s
95th percentile per-packet one-way delay: 50.106 ms
Loss rate: 25.14%
-- Flow 1:
Average throughput: 163.62 Mbit/s
95th percentile per-packet one-way delay: 50.106 ms
Loss rate: 25.14%
```
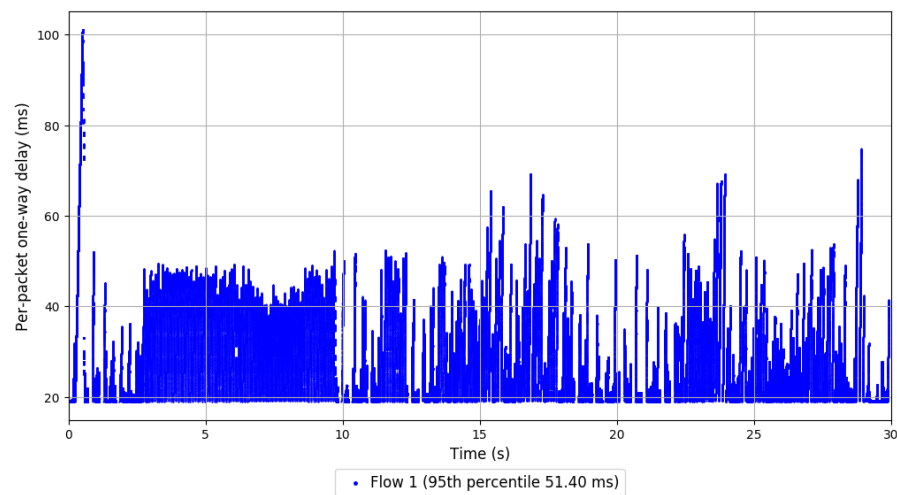
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2017-11-16 01:57:02
End at: 2017-11-16 01:57:32
Local clock offset: 0.325 ms
Remote clock offset: -1.534 ms


# Below is generated by plot.py at 2017-11-16 04:30:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.18 Mbit/s
95th percentile per-packet one-way delay: 46.535 ms
Loss rate: 28.39%
-- Flow 1:
Average throughput: 216.18 Mbit/s
95th percentile per-packet one-way delay: 46.535 ms
Loss rate: 28.39%
```

Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 301.93 Mbit/s)   Flow 1 egress (mean 216.18 Mbit/s)

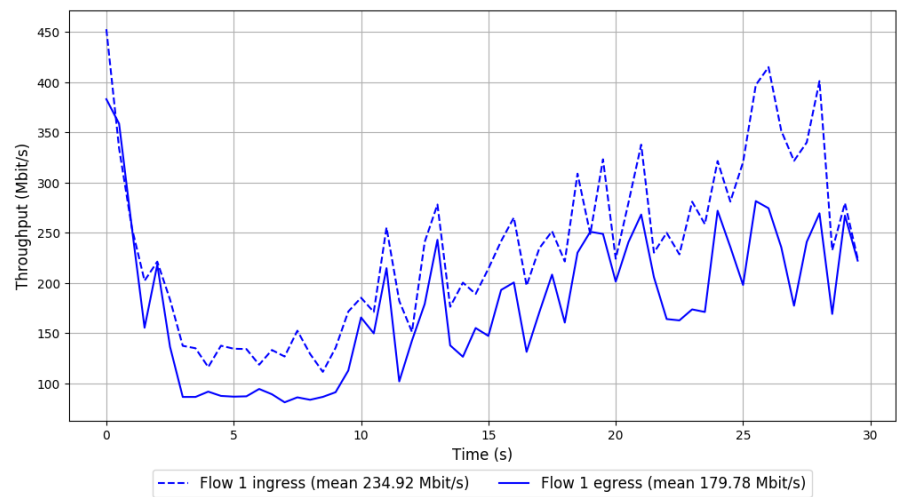Flow 1 (95th percentile 46.53 ms)

```
Run 10: Statistics of Verus

Start at: 2017-11-16 02:15:18
End at: 2017-11-16 02:15:48
Local clock offset: 0.455 ms
Remote clock offset: -1.522 ms


# Below is generated by plot.py at 2017-11-16 04:30:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.78 Mbit/s
95th percentile per-packet one-way delay: 51.396 ms
Loss rate: 23.42%
-- Flow 1:
Average throughput: 179.78 Mbit/s
95th percentile per-packet one-way delay: 51.396 ms
Loss rate: 23.42%
```

Run 10: Report of Verus — Data Link

```
Run 1: Statistics of Copa

Start at: 2017-11-15 23:29:24
End at: 2017-11-15 23:29:54
Local clock offset: 1.557 ms
Remote clock offset: -0.619 ms


# Below is generated by plot.py at 2017-11-16 04:30:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.07 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 105.07 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.25%
```
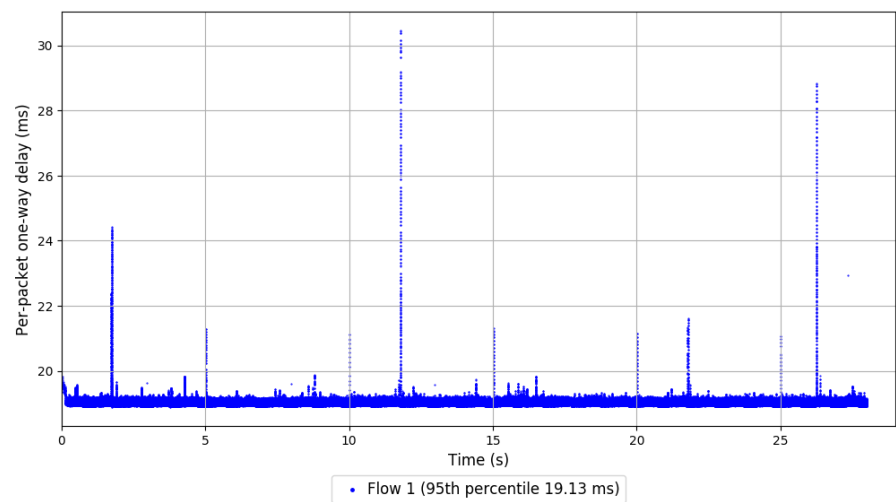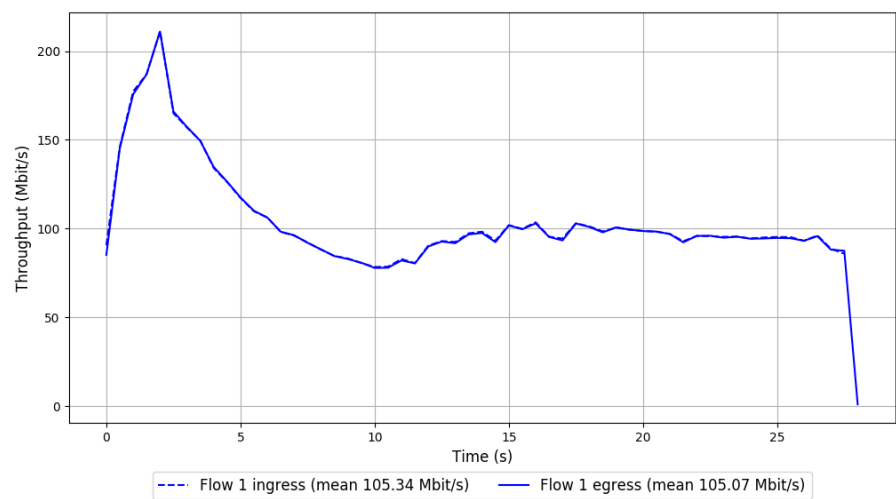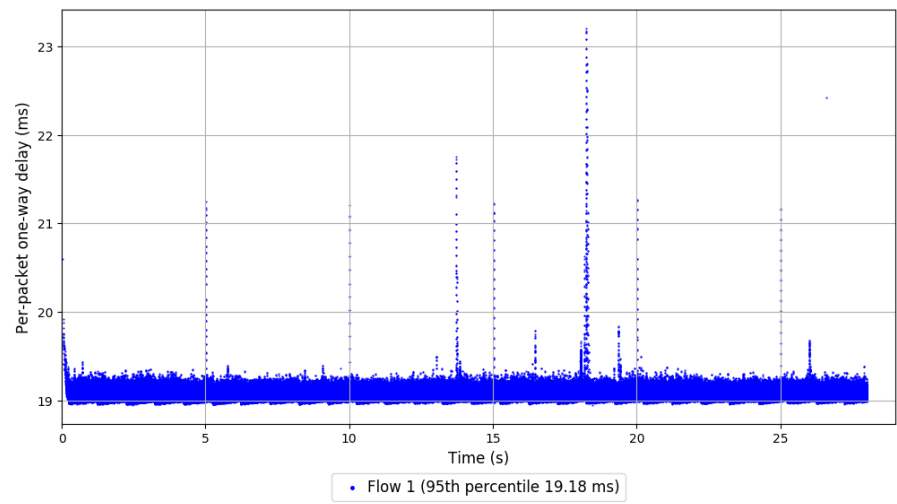
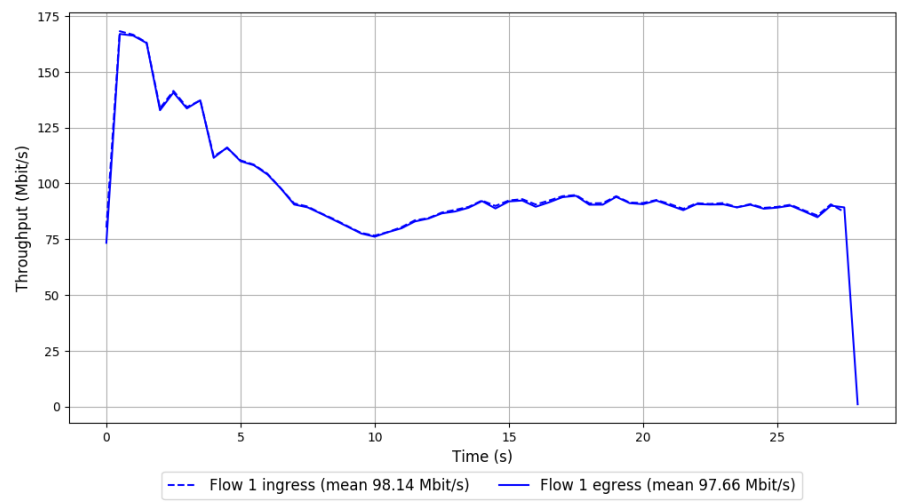Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2017-11-15 23:47:28
End at: 2017-11-15 23:47:58
Local clock offset: 1.33 ms
Remote clock offset: -1.122 ms


# Below is generated by plot.py at 2017-11-16 04:30:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.66 Mbit/s
95th percentile per-packet one-way delay: 19.183 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 97.66 Mbit/s
95th percentile per-packet one-way delay: 19.183 ms
Loss rate: 0.50%
```

Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 98.14 Mbit/s) --- Flow 1 egress (mean 97.66 Mbit/s)

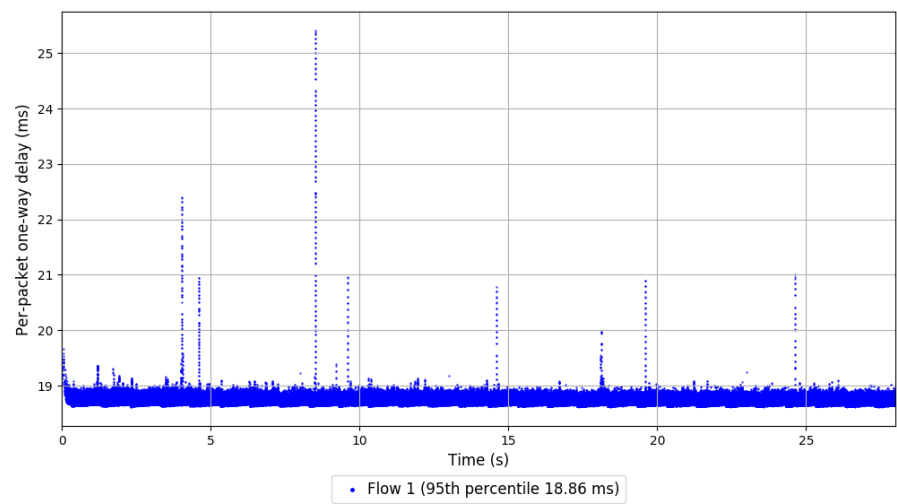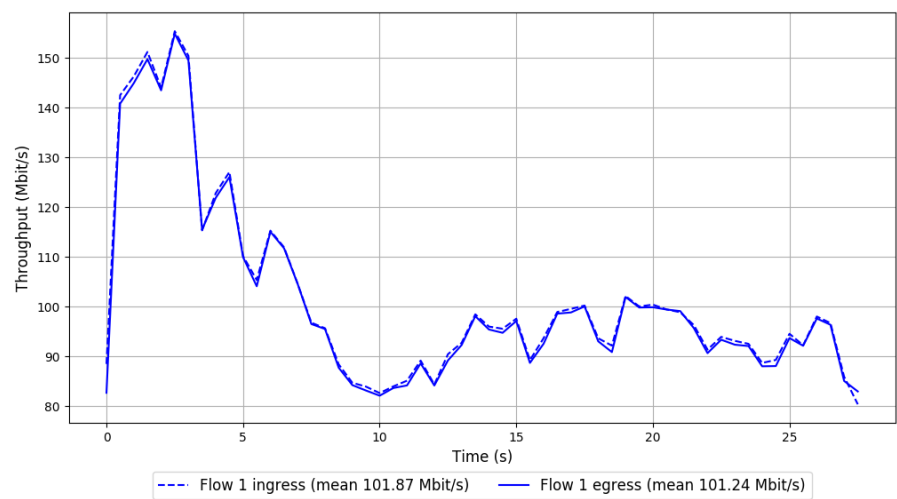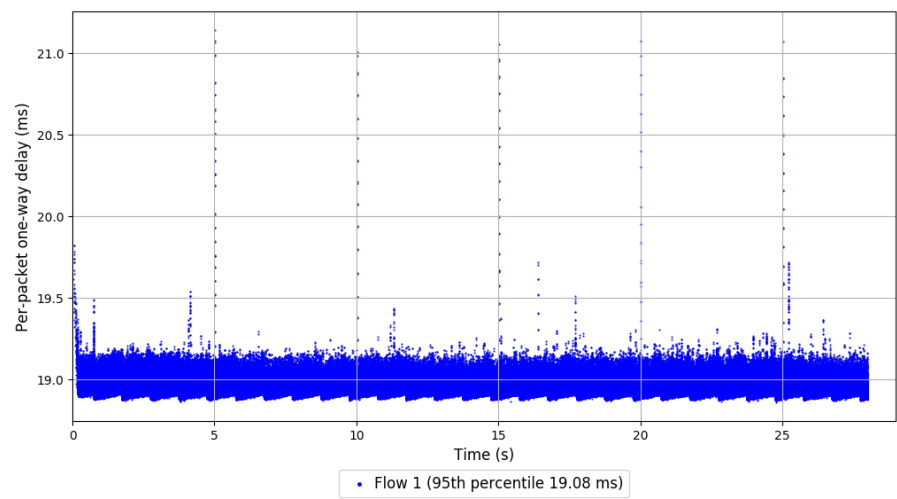Flow 1 (95th percentile 19.18 ms)

```
Run 3: Statistics of Copa

Start at: 2017-11-16 00:05:33
End at: 2017-11-16 00:06:03
Local clock offset: 0.965 ms
Remote clock offset: -1.483 ms


# Below is generated by plot.py at 2017-11-16 04:30:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.24 Mbit/s
95th percentile per-packet one-way delay: 18.857 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 101.24 Mbit/s
95th percentile per-packet one-way delay: 18.857 ms
Loss rate: 0.62%
```

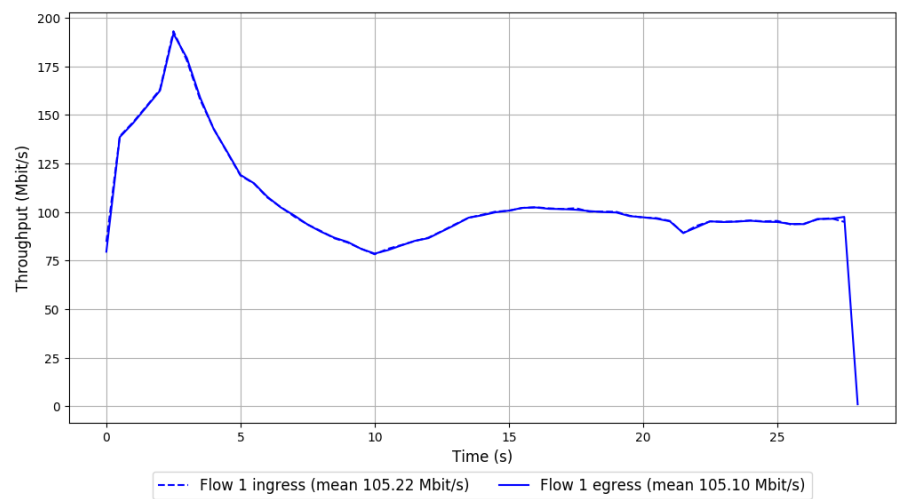# Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2017-11-16 00:23:42
End at: 2017-11-16 00:24:12
Local clock offset: 0.567 ms
Remote clock offset: -1.459 ms


# Below is generated by plot.py at 2017-11-16 04:31:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.10 Mbit/s
95th percentile per-packet one-way delay: 19.077 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 105.10 Mbit/s
95th percentile per-packet one-way delay: 19.077 ms
Loss rate: 0.11%
```

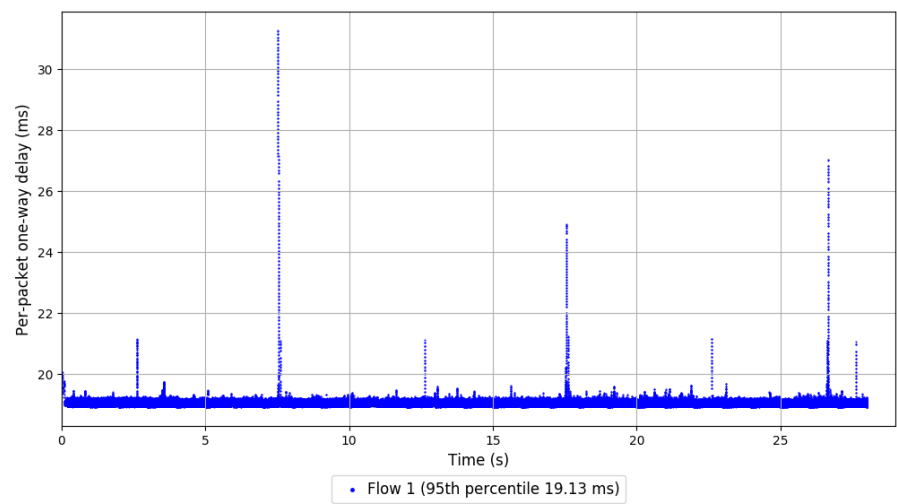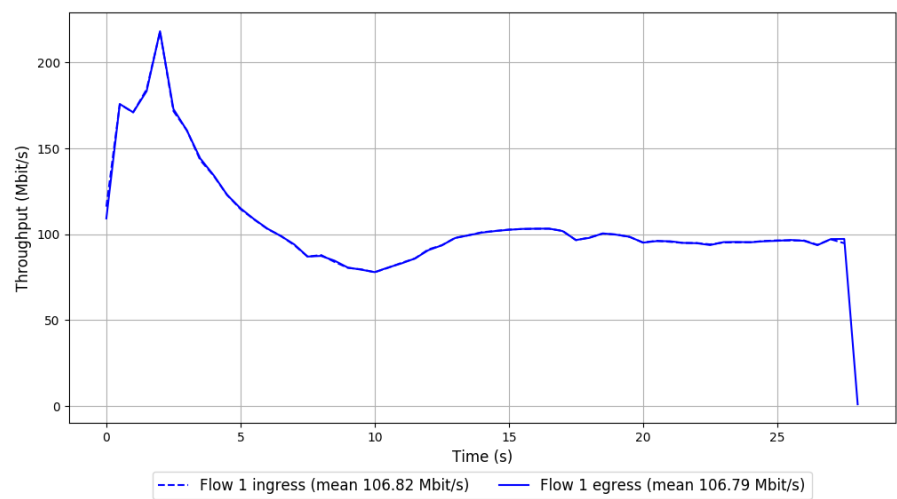Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2017-11-16 00:41:48
End at: 2017-11-16 00:42:18
Local clock offset: 0.413 ms
Remote clock offset: -1.509 ms


# Below is generated by plot.py at 2017-11-16 04:32:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.79 Mbit/s
95th percentile per-packet one-way delay: 19.130 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 106.79 Mbit/s
95th percentile per-packet one-way delay: 19.130 ms
Loss rate: 0.03%
```

Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 106.82 Mbit/s)   Flow 1 egress (mean 106.79 Mbit/s)

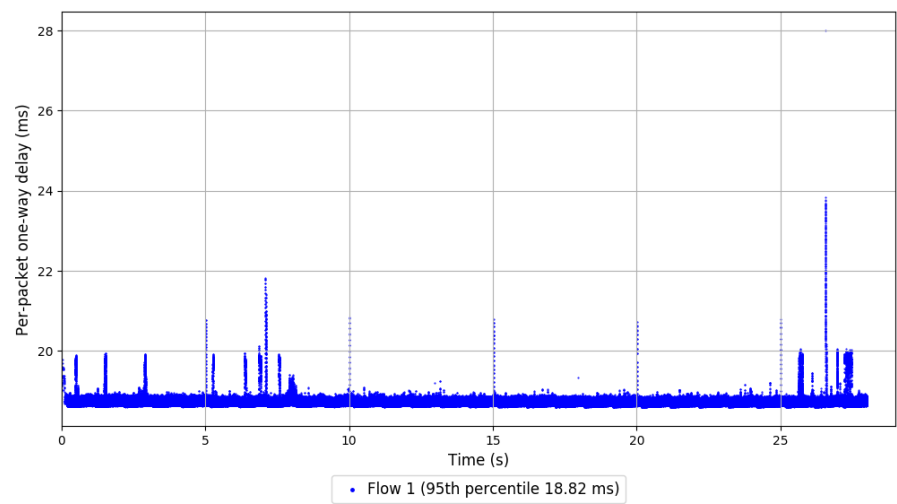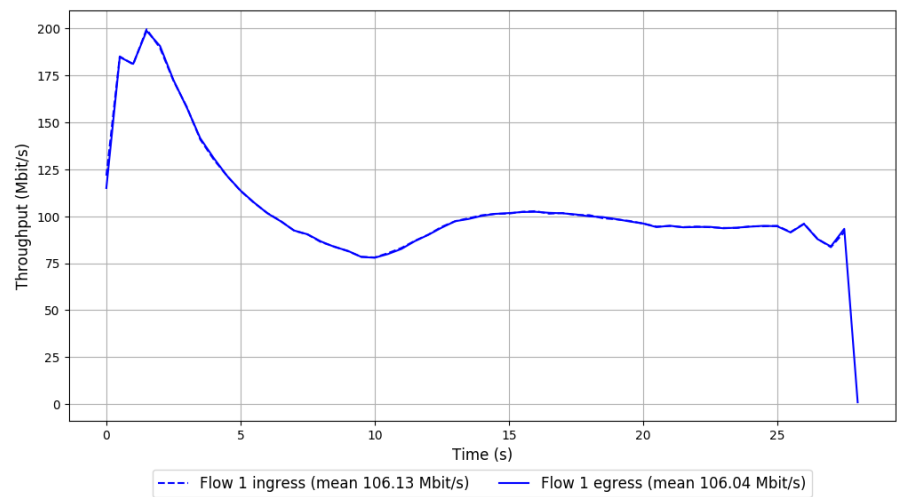Flow 1 (95th percentile 19.13 ms)

```
Run 6: Statistics of Copa

Start at: 2017-11-16 01:00:01
End at: 2017-11-16 01:00:31
Local clock offset: 0.185 ms
Remote clock offset: -1.415 ms


# Below is generated by plot.py at 2017-11-16 04:32:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.04 Mbit/s
95th percentile per-packet one-way delay: 18.821 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 106.04 Mbit/s
95th percentile per-packet one-way delay: 18.821 ms
Loss rate: 0.08%
```

Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 106.13 Mbit/s) — Flow 1 egress (mean 106.04 Mbit/s)

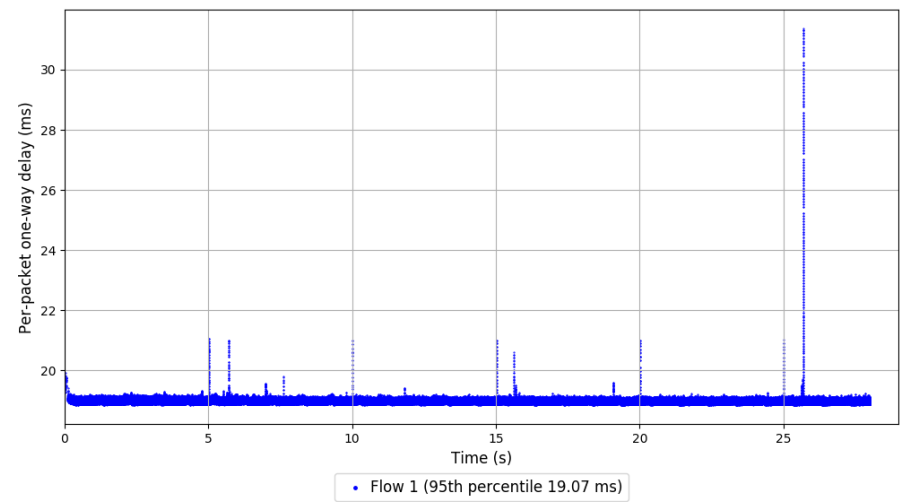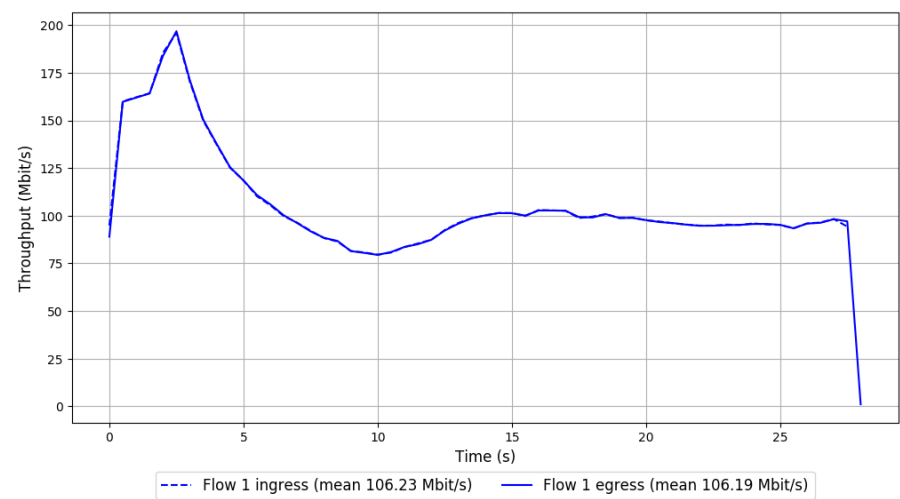• Flow 1 (95th percentile 18.82 ms)

```
Run 7: Statistics of Copa

Start at: 2017-11-16 01:18:15
End at: 2017-11-16 01:18:45
Local clock offset: -0.14 ms
Remote clock offset: -1.402 ms


# Below is generated by plot.py at 2017-11-16 04:32:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.19 Mbit/s
95th percentile per-packet one-way delay: 19.073 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 106.19 Mbit/s
95th percentile per-packet one-way delay: 19.073 ms
Loss rate: 0.04%
```

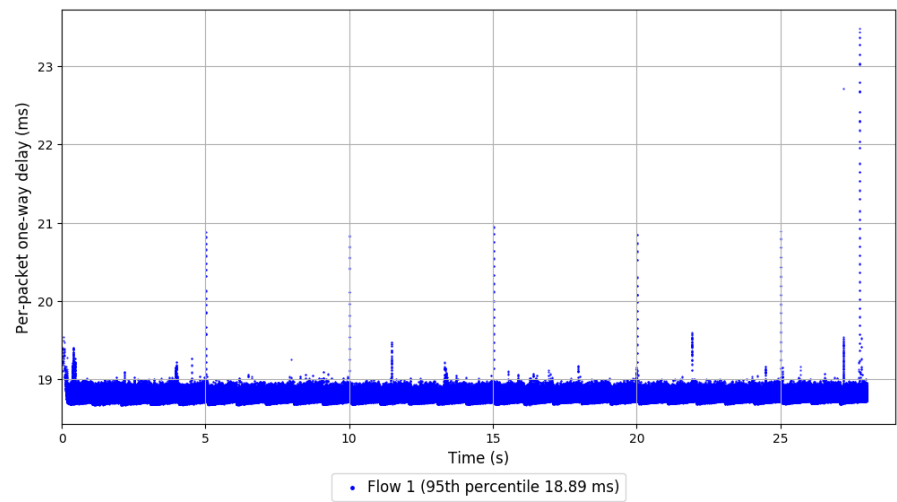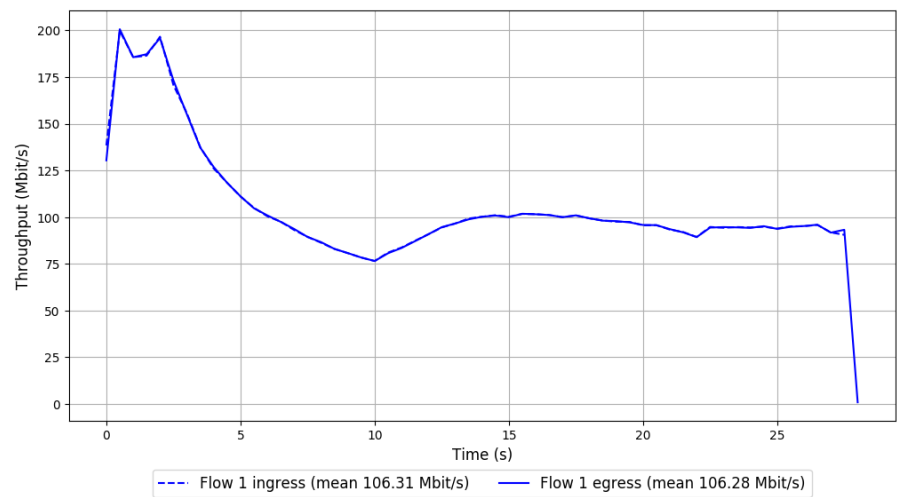Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: 2017-11-16 01:36:26
End at: 2017-11-16 01:36:56
Local clock offset: -0.086 ms
Remote clock offset: -1.561 ms


# Below is generated by plot.py at 2017-11-16 04:32:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.28 Mbit/s
95th percentile per-packet one-way delay: 18.893 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 106.28 Mbit/s
95th percentile per-packet one-way delay: 18.893 ms
Loss rate: 0.03%
```

Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 106.31 Mbit/s) ---- Flow 1 egress (mean 106.28 Mbit/s)

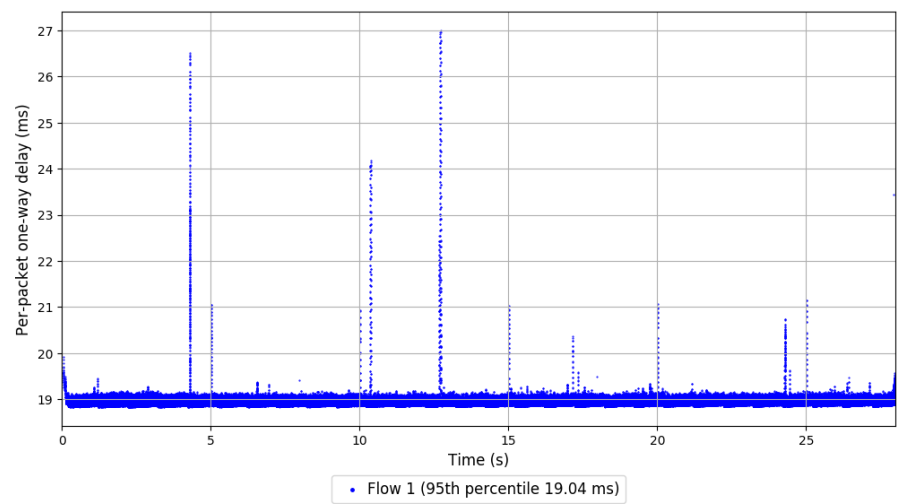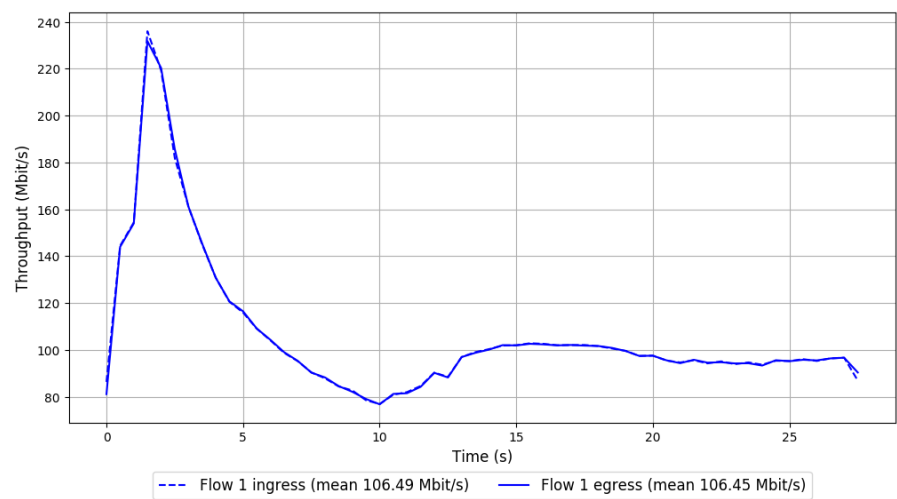Flow 1 (95th percentile 18.89 ms)

```
Run 9: Statistics of Copa

Start at: 2017-11-16 01:54:32
End at: 2017-11-16 01:55:02
Local clock offset: 0.369 ms
Remote clock offset: -1.466 ms


# Below is generated by plot.py at 2017-11-16 04:32:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.45 Mbit/s
95th percentile per-packet one-way delay: 19.041 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 106.45 Mbit/s
95th percentile per-packet one-way delay: 19.041 ms
Loss rate: 0.04%
```

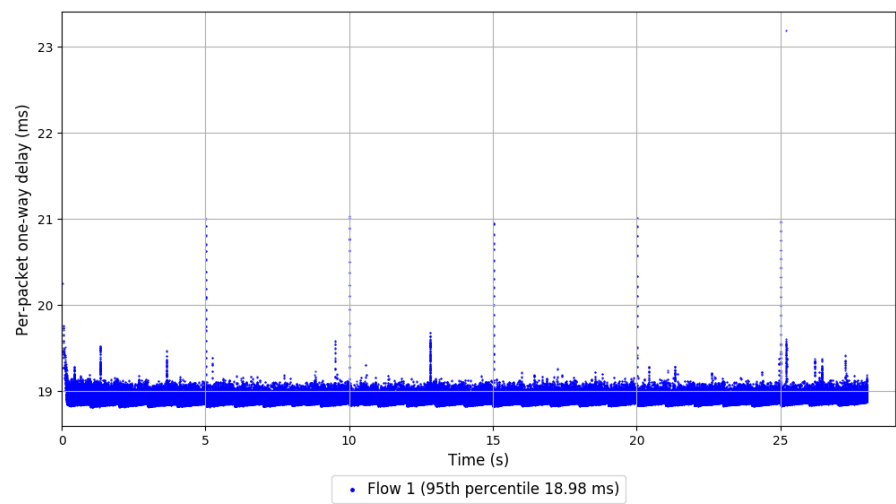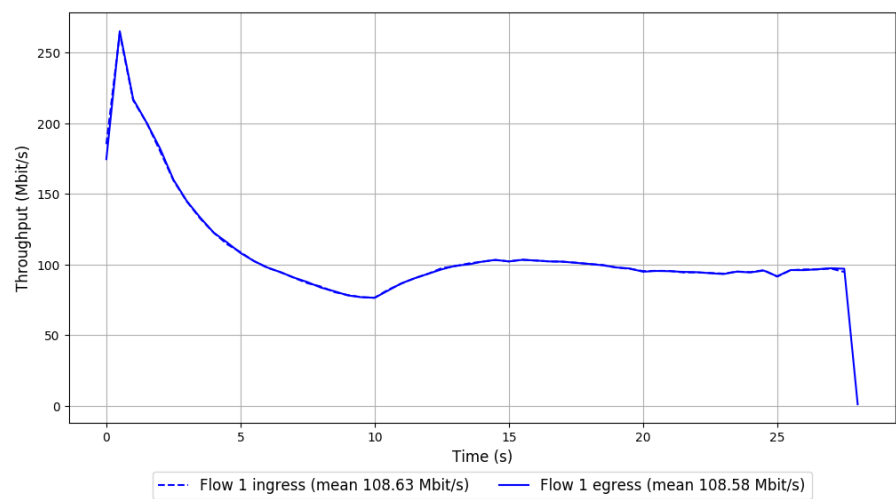Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2017-11-16 02:12:47
End at: 2017-11-16 02:13:17
Local clock offset: 0.503 ms
Remote clock offset: -1.581 ms


# Below is generated by plot.py at 2017-11-16 04:33:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.58 Mbit/s
95th percentile per-packet one-way delay: 18.985 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 108.58 Mbit/s
95th percentile per-packet one-way delay: 18.985 ms
Loss rate: 0.05%
```

Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 108.63 Mbit/s) Flow 1 egress (mean 108.58 Mbit/s)
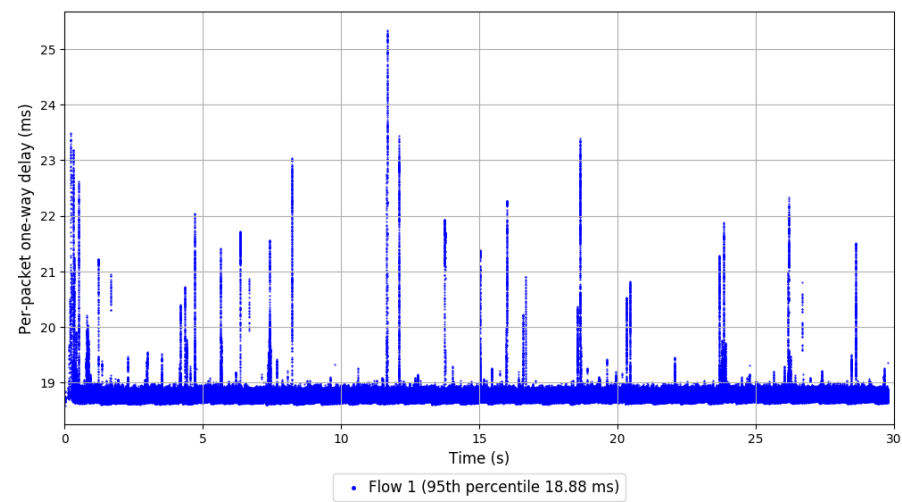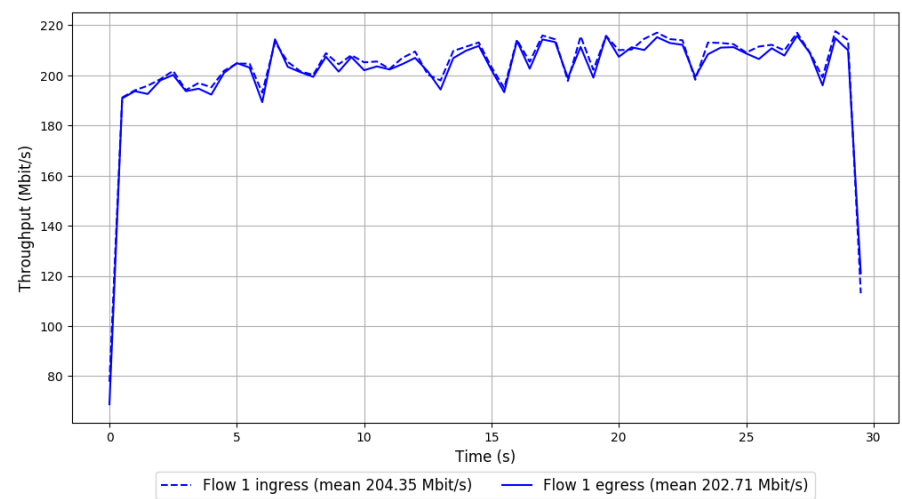

Flow 1 (95th percentile 18.98 ms)

```
Run 1: Statistics of Indigo

Start at: 2017-11-15 23:35:32
End at: 2017-11-15 23:36:02
Local clock offset: 1.578 ms
Remote clock offset: -0.822 ms


# Below is generated by plot.py at 2017-11-16 04:33:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.71 Mbit/s
95th percentile per-packet one-way delay: 18.883 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 202.71 Mbit/s
95th percentile per-packet one-way delay: 18.883 ms
Loss rate: 0.80%
```
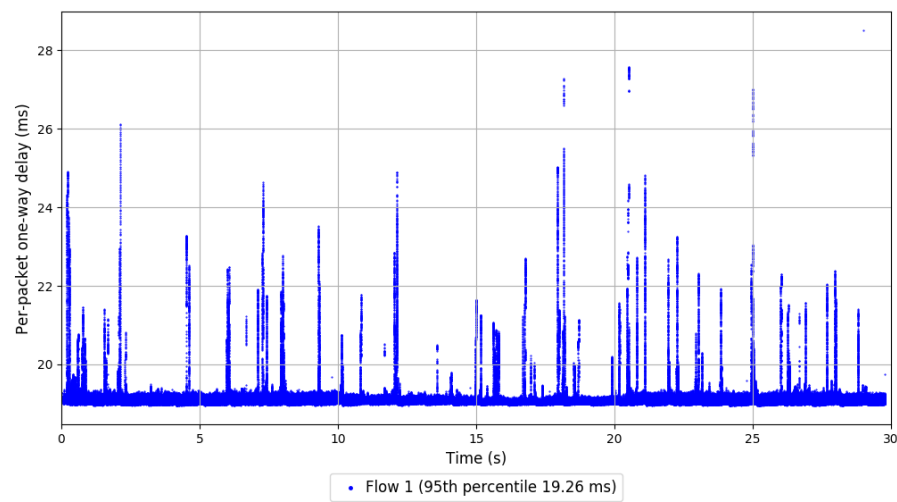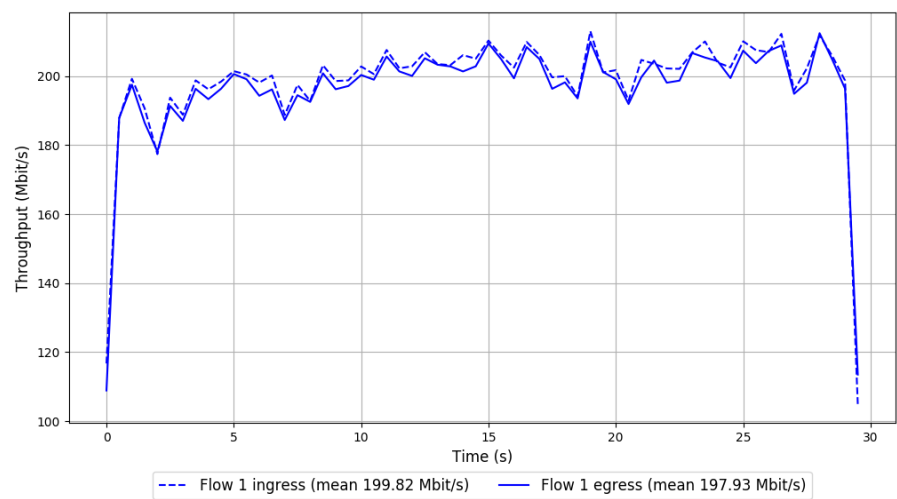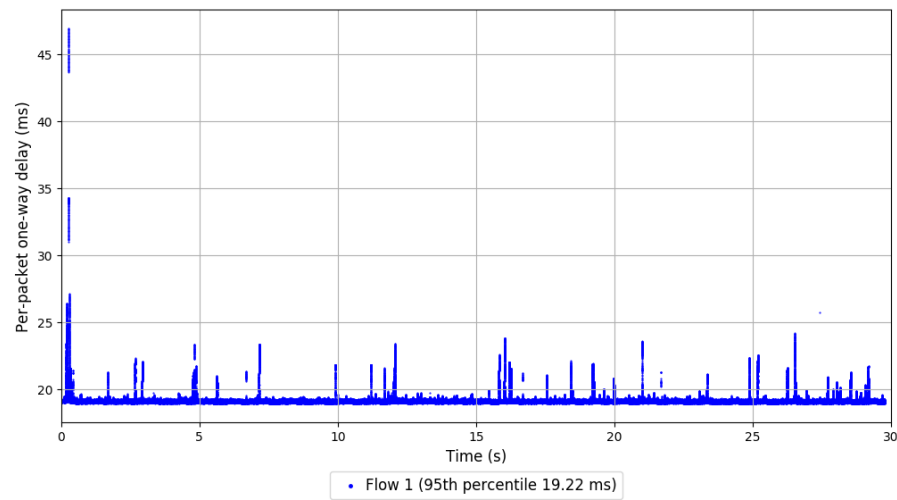
Run 1: Report of Indigo — Data Link

Flow 1 ingress (mean 204.35 Mbit/s) ----   Flow 1 egress (mean 202.71 Mbit/s) ——

• Flow 1 (95th percentile 18.88 ms)

```
Run 2: Statistics of Indigo

Start at: 2017-11-15 23:53:41
End at: 2017-11-15 23:54:11
Local clock offset: 1.244 ms
Remote clock offset: -1.297 ms


# Below is generated by plot.py at 2017-11-16 04:33:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.93 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 197.93 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.94%
```
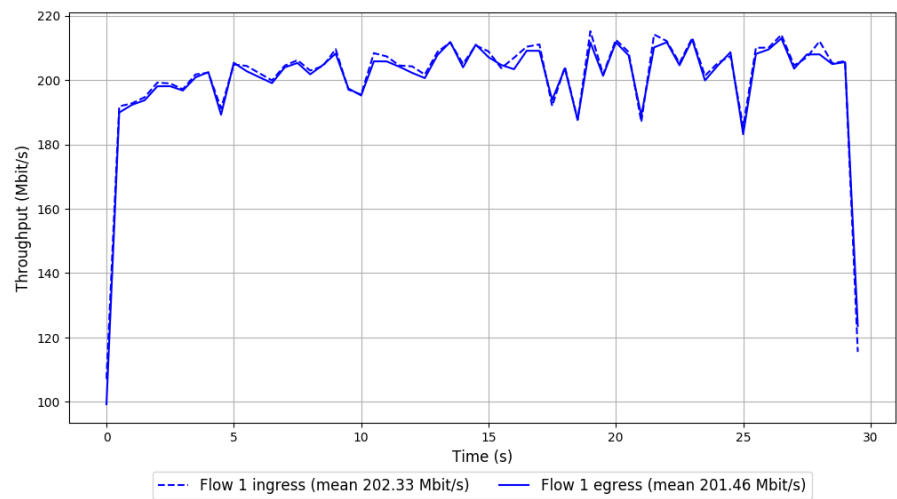
Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2017-11-16 00:11:47
End at: 2017-11-16 00:12:17
Local clock offset: 0.771 ms
Remote clock offset: -1.455 ms


# Below is generated by plot.py at 2017-11-16 04:35:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.46 Mbit/s
95th percentile per-packet one-way delay: 19.223 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 201.46 Mbit/s
95th percentile per-packet one-way delay: 19.223 ms
Loss rate: 0.43%
```

Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2017-11-16 00:29:56
End at: 2017-11-16 00:30:26
Local clock offset: 0.622 ms
Remote clock offset: -1.407 ms


# Below is generated by plot.py at 2017-11-16 04:35:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.64 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 200.64 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.09%
```
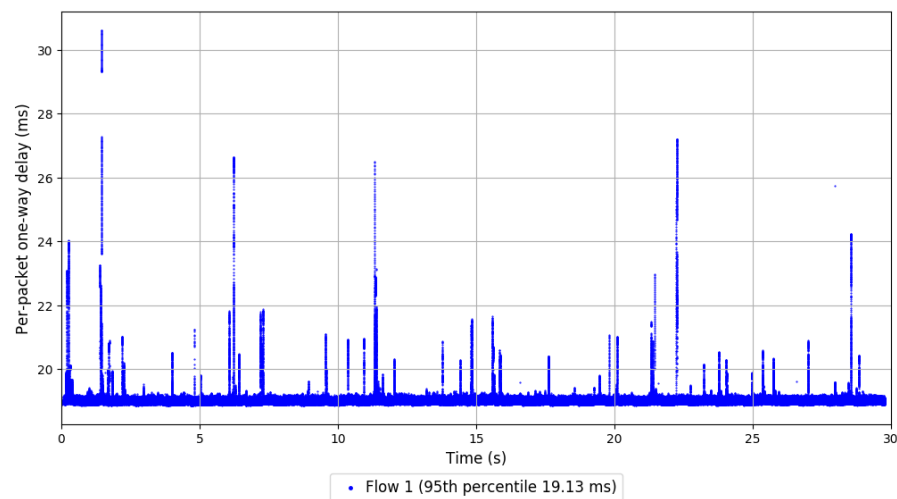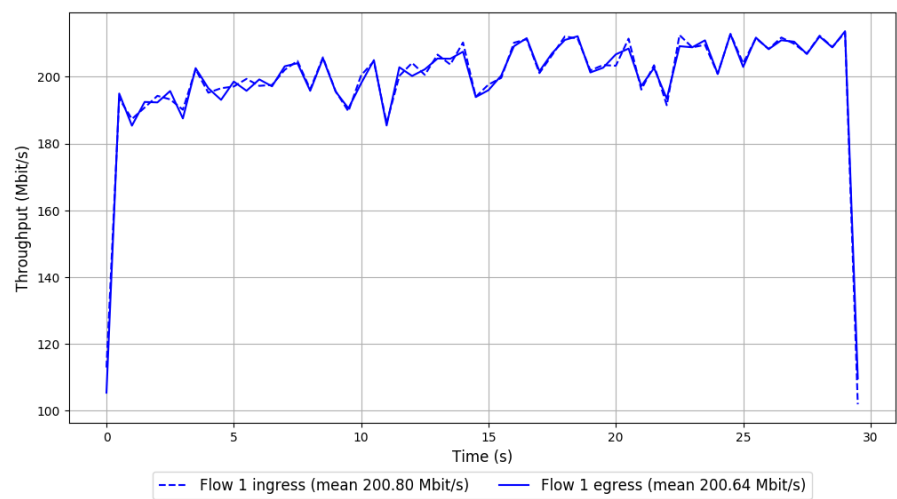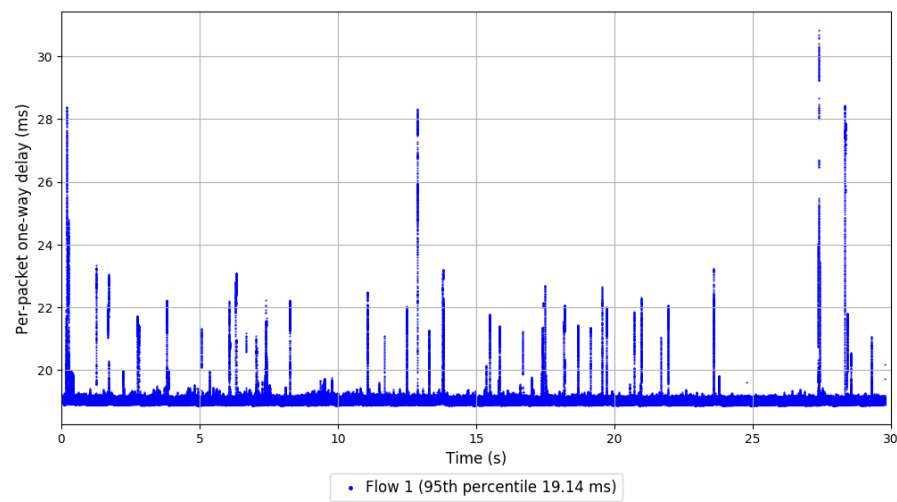
Run 4: Report of Indigo — Data Link

Run 5: Statistics of Indigo

Start at: 2017-11-16 00:48:05
End at: 2017-11-16 00:48:35
Local clock offset: 0.325 ms
Remote clock offset: -1.582 ms

Below is generated by plot.py at 2017-11-16 04:35:19
Datalink statistics
-- Total of 1 flow:
Average throughput: 202.11 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
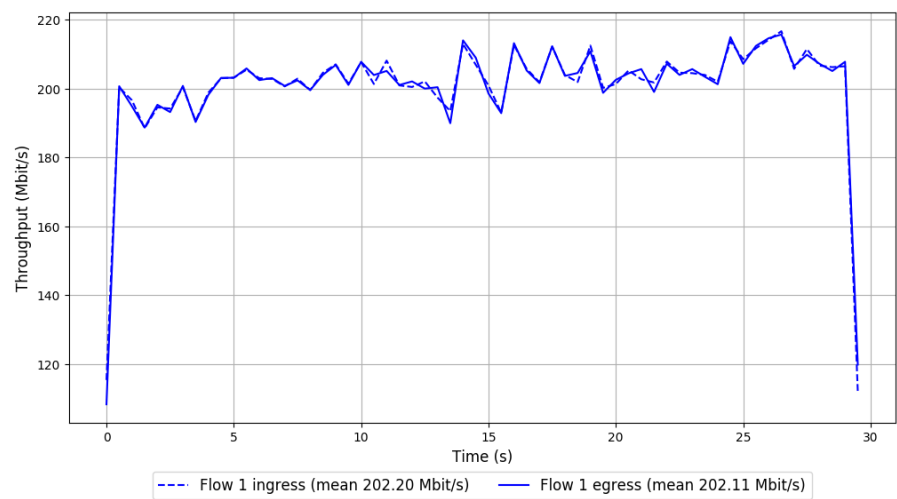Loss rate: 0.04%
-- Flow 1:
Average throughput: 202.11 Mbit/s
95th percentile per-packet one-way delay: 19.143 ms
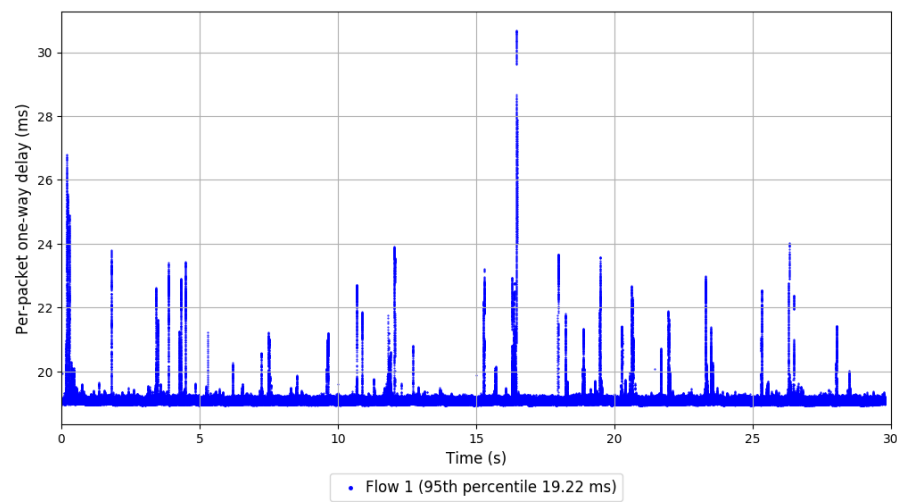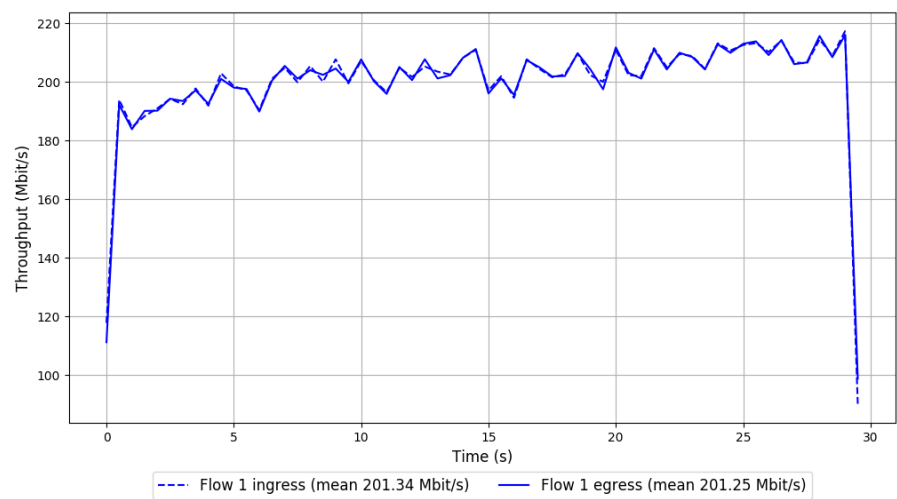Loss rate: 0.04%

Run 5: Report of Indigo — Data Link

Flow 1 ingress (mean 202.20 Mbit/s)　　Flow 1 egress (mean 202.11 Mbit/s)

Flow 1 (95th percentile 19.14 ms)

```
Run 6: Statistics of Indigo

Start at: 2017-11-16 01:06:16
End at: 2017-11-16 01:06:46
Local clock offset: -0.058 ms
Remote clock offset: -1.438 ms


# Below is generated by plot.py at 2017-11-16 04:35:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.25 Mbit/s
95th percentile per-packet one-way delay: 19.223 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 201.25 Mbit/s
95th percentile per-packet one-way delay: 19.223 ms
Loss rate: 0.05%
```
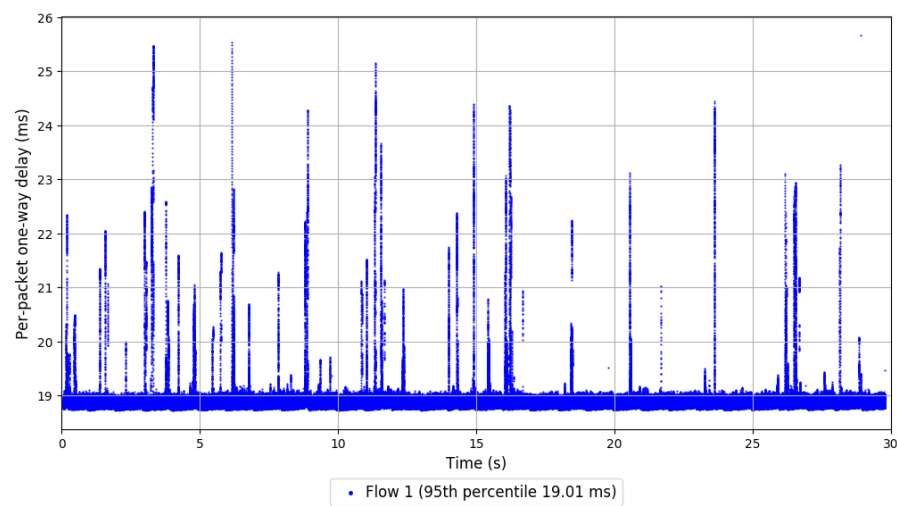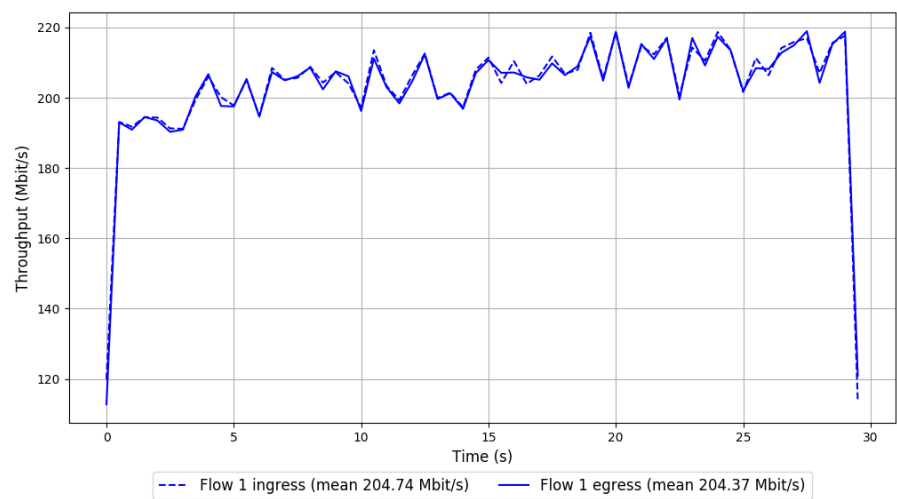
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2017-11-16 01:24:31
End at: 2017-11-16 01:25:01
Local clock offset: -0.284 ms
Remote clock offset: -1.508 ms


# Below is generated by plot.py at 2017-11-16 04:35:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.37 Mbit/s
95th percentile per-packet one-way delay: 19.014 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 204.37 Mbit/s
95th percentile per-packet one-way delay: 19.014 ms
Loss rate: 0.18%
```
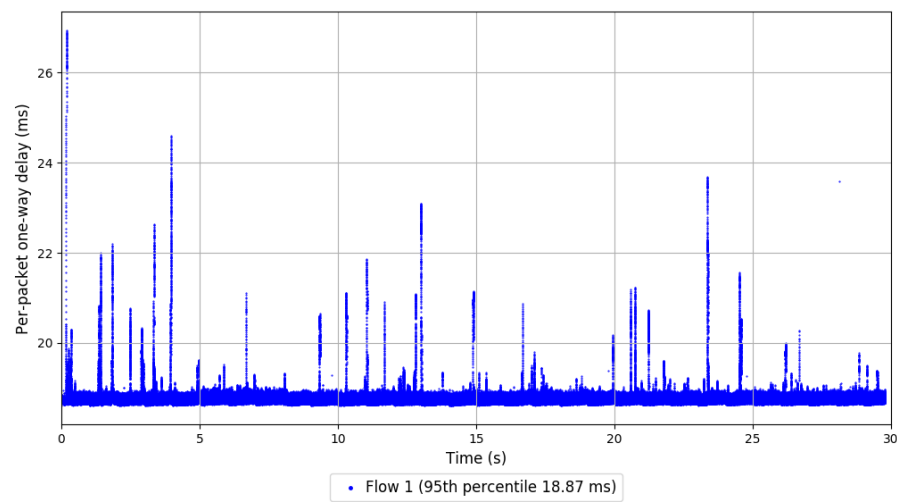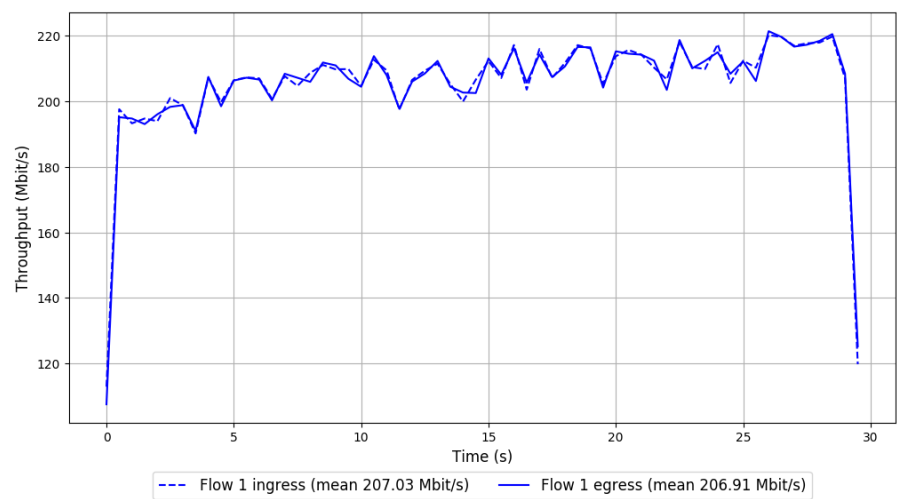
Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2017-11-16 01:42:40
End at: 2017-11-16 01:43:10
Local clock offset: 0.191 ms
Remote clock offset: -1.483 ms


# Below is generated by plot.py at 2017-11-16 04:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.91 Mbit/s
95th percentile per-packet one-way delay: 18.874 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 206.91 Mbit/s
95th percentile per-packet one-way delay: 18.874 ms
Loss rate: 0.06%
```

Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2017-11-16 02:00:49
End at: 2017-11-16 02:01:19
Local clock offset: 0.351 ms
Remote clock offset: -1.62 ms


# Below is generated by plot.py at 2017-11-16 04:36:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.50 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 202.50 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.03%
```
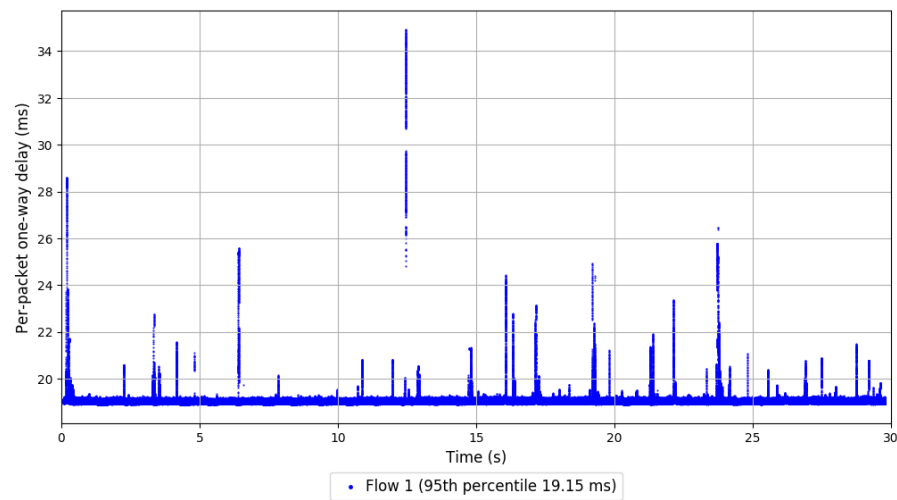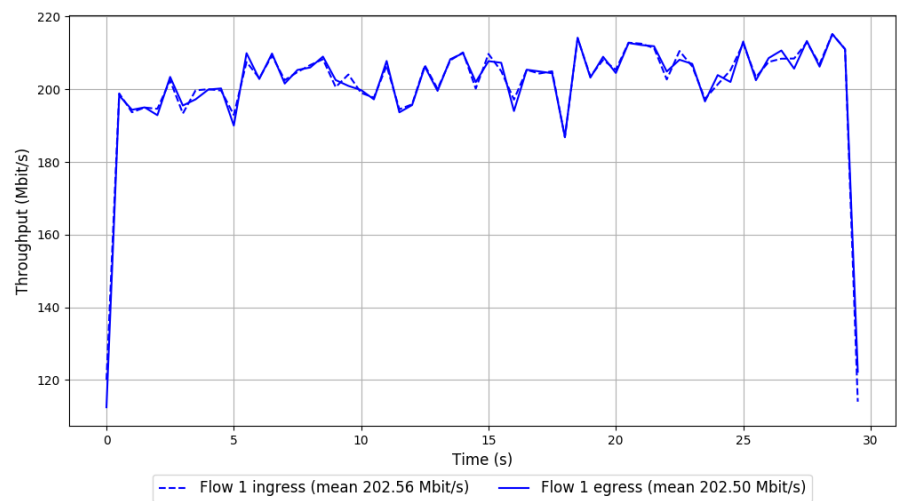
Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2017-11-16 02:19:04
End at: 2017-11-16 02:19:34
Local clock offset: 0.463 ms
Remote clock offset: -1.553 ms


# Below is generated by plot.py at 2017-11-16 04:36:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.62 Mbit/s
95th percentile per-packet one-way delay: 19.193 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 200.62 Mbit/s
95th percentile per-packet one-way delay: 19.193 ms
Loss rate: 0.05%
```
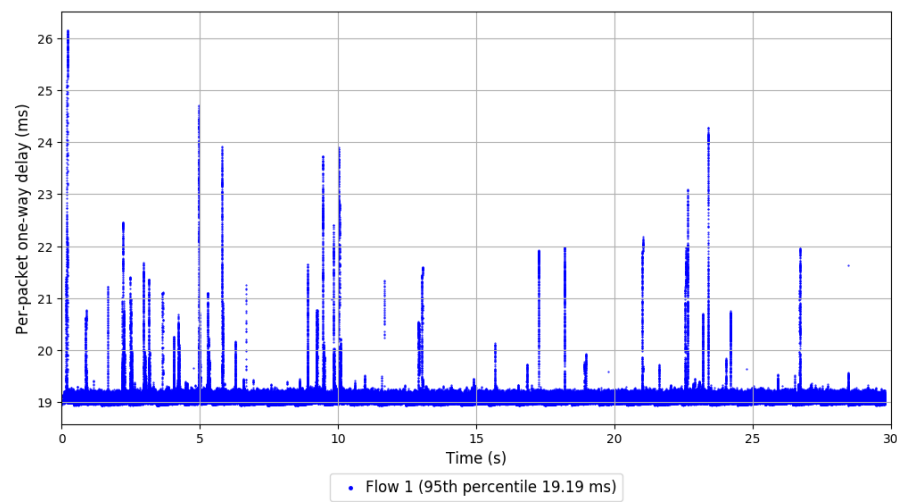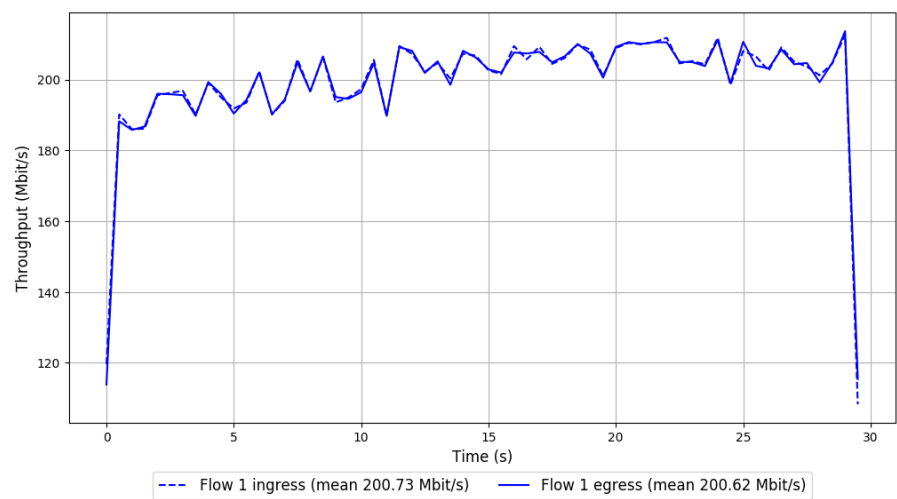
Run 10: Report of Indigo — Data Link
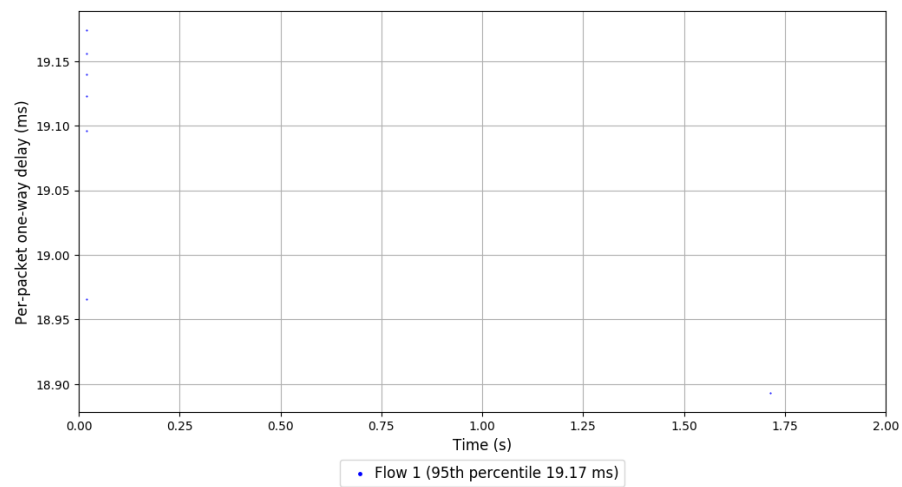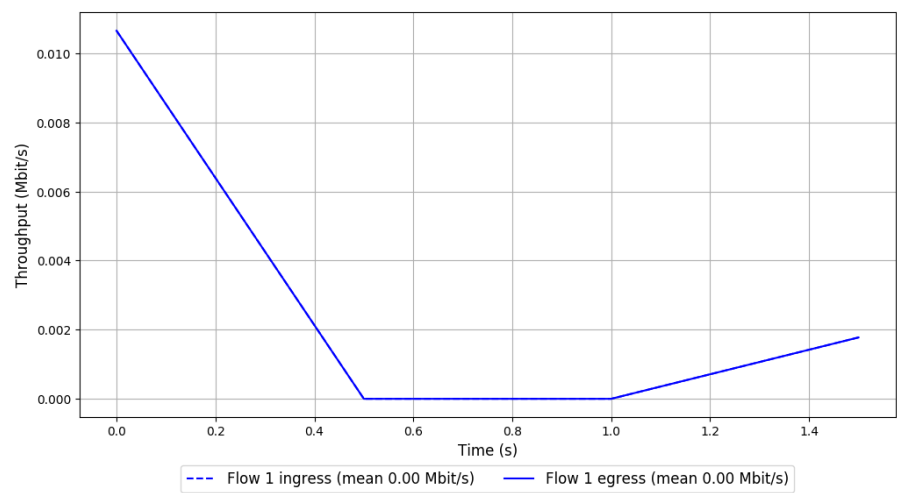
```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-15 23:27:04
End at: 2017-11-15 23:27:34
Local clock offset: 1.57 ms
Remote clock offset: -0.738 ms
```

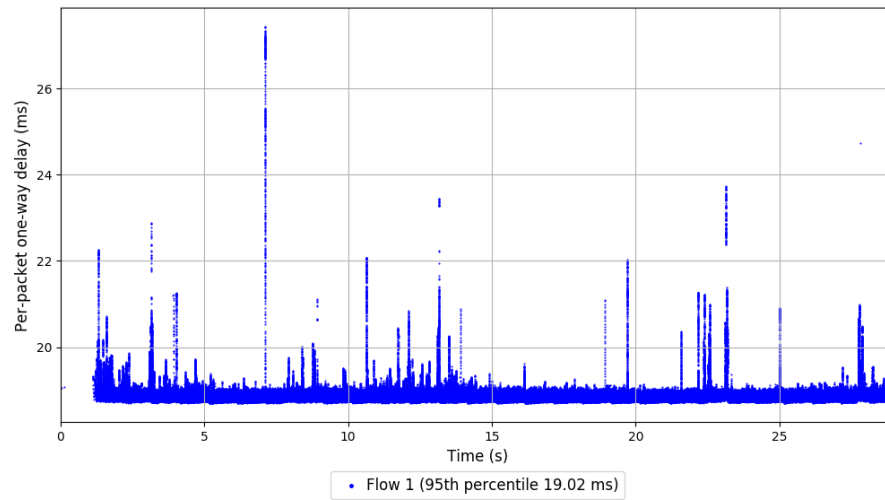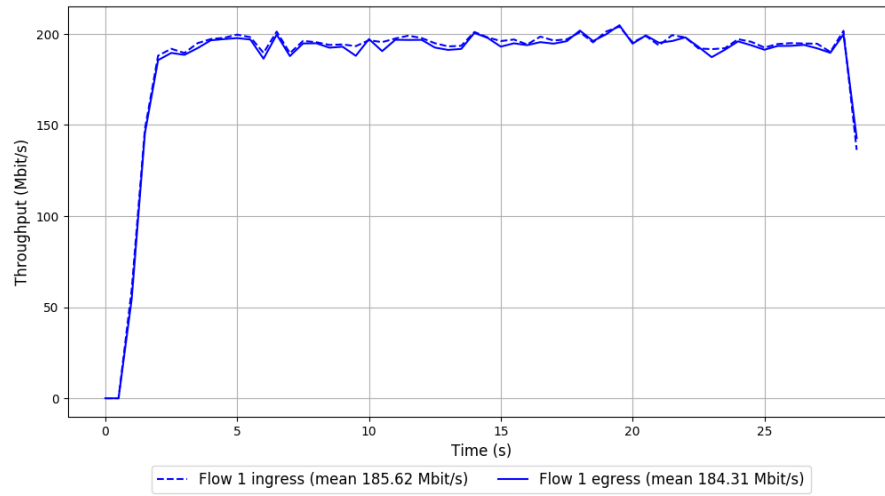Run 1: Report of Indigo-calib — Data Link

```
Run 2: Statistics of Indigo-calib

Start at: 2017-11-15 23:44:59
End at: 2017-11-15 23:45:29
Local clock offset: 1.384 ms
Remote clock offset: -1.081 ms


# Below is generated by plot.py at 2017-11-16 04:37:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.31 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 184.31 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.70%
```

Run 2: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 185.62 Mbit/s) Flow 1 egress (mean 184.31 Mbit/s)

• Flow 1 (95th percentile 19.02 ms)

```
Run 3: Statistics of Indigo-calib

Start at: 2017-11-16 00:03:07
End at: 2017-11-16 00:03:37
Local clock offset: 1.125 ms
Remote clock offset: -1.472 ms


# Below is generated by plot.py at 2017-11-16 04:37:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 117.71 Mbit/s
95th percentile per-packet one-way delay: 19.518 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 117.71 Mbit/s
95th percentile per-packet one-way delay: 19.518 ms
Loss rate: 0.72%
```
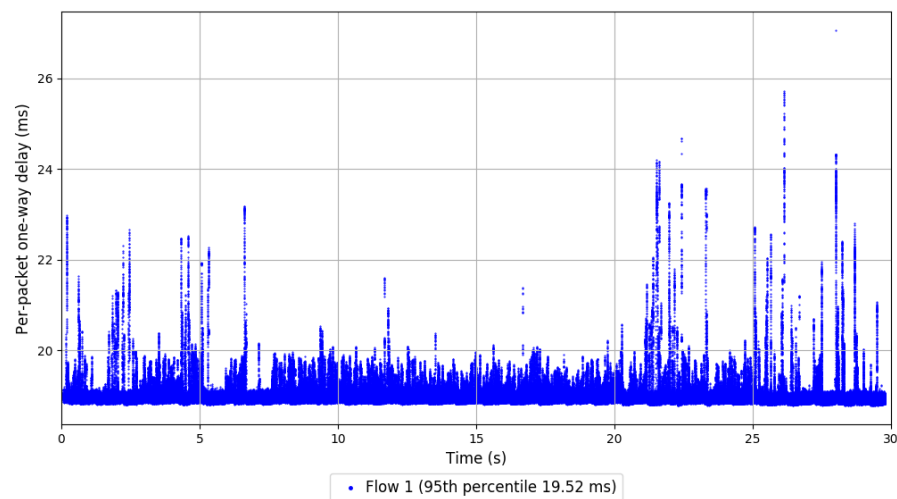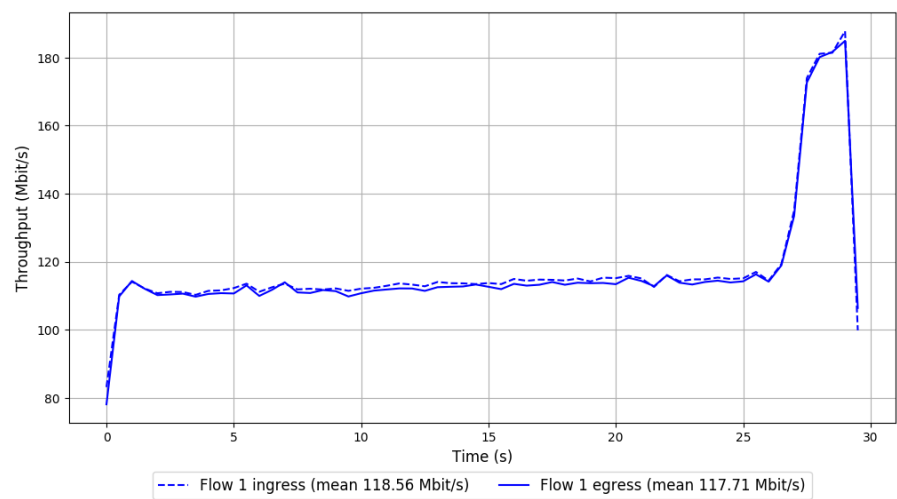
Run 3: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 118.56 Mbit/s)　——　Flow 1 egress (mean 117.71 Mbit/s)

• Flow 1 (95th percentile 19.52 ms)

```
Run 4: Statistics of Indigo-calib

Start at: 2017-11-16 00:21:16
End at: 2017-11-16 00:21:46
Local clock offset: 0.694 ms
Remote clock offset: -1.388 ms


# Below is generated by plot.py at 2017-11-16 04:37:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.88 Mbit/s
95th percentile per-packet one-way delay: 19.613 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 114.88 Mbit/s
95th percentile per-packet one-way delay: 19.613 ms
Loss rate: 0.07%
```
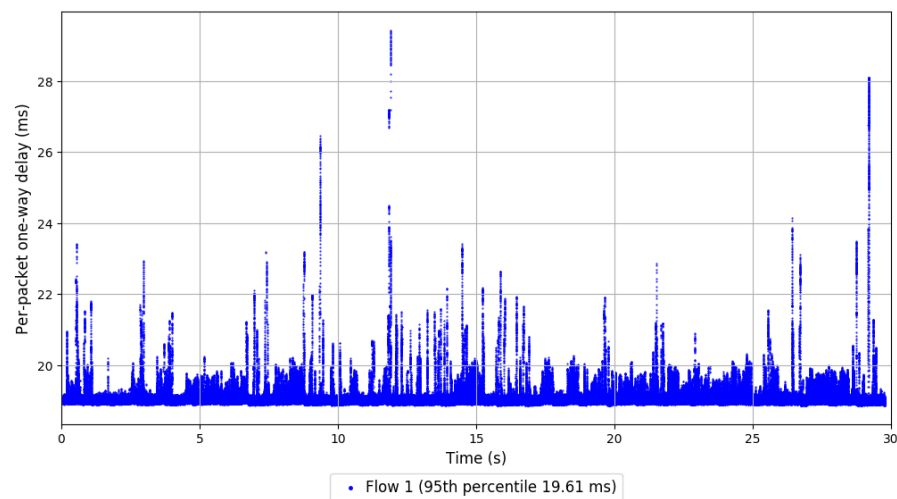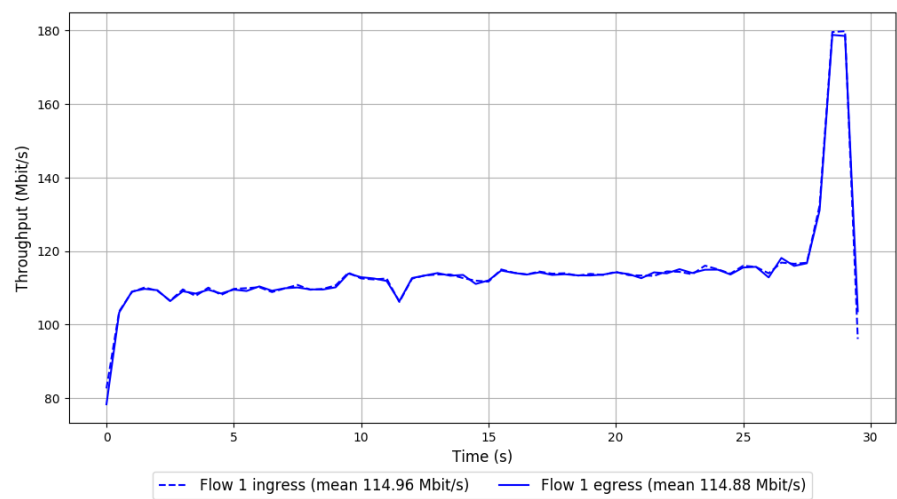
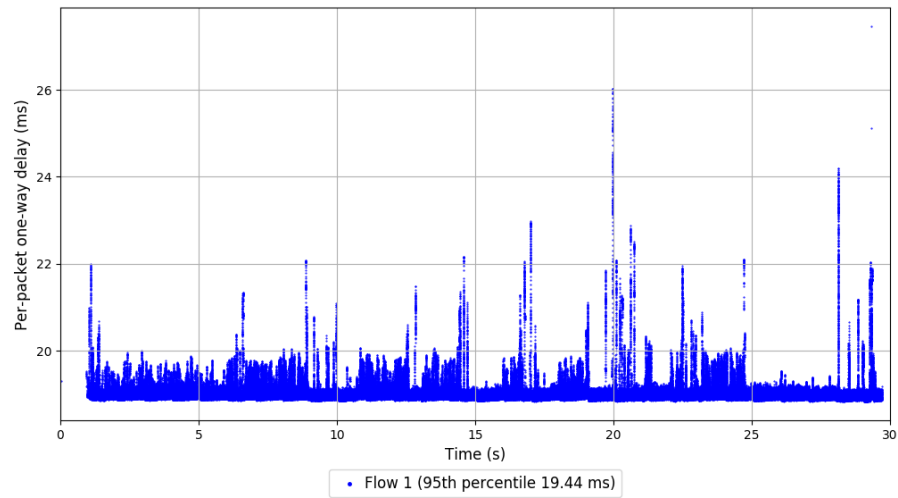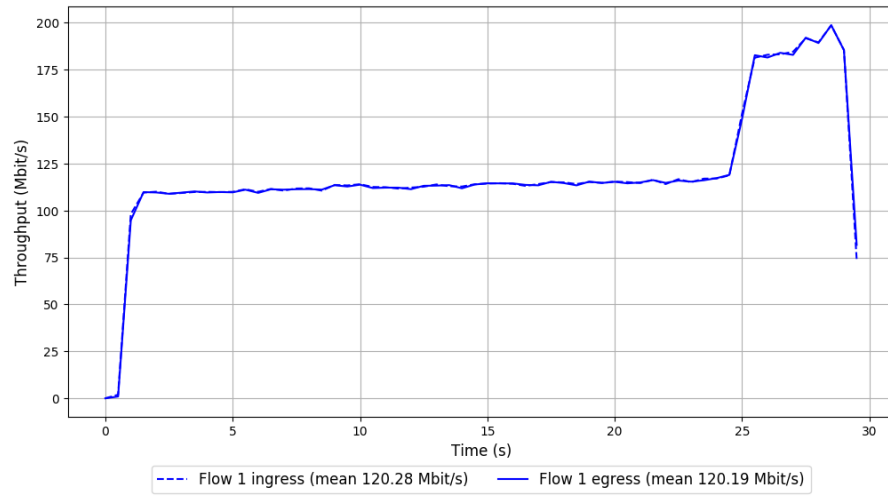Run 4: Report of Indigo-calib — Data Link

```
Run 5: Statistics of Indigo-calib

Start at: 2017-11-16 00:39:22
End at: 2017-11-16 00:39:52
Local clock offset: 0.483 ms
Remote clock offset: -1.562 ms


# Below is generated by plot.py at 2017-11-16 04:37:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.19 Mbit/s
95th percentile per-packet one-way delay: 19.438 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 120.19 Mbit/s
95th percentile per-packet one-way delay: 19.438 ms
Loss rate: 0.07%
```

Run 5: Report of Indigo-calib — Data Link

```
Run 6: Statistics of Indigo-calib

Start at: 2017-11-16 00:57:32
End at: 2017-11-16 00:58:02
Local clock offset: 0.228 ms
Remote clock offset: -1.461 ms


# Below is generated by plot.py at 2017-11-16 04:37:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 184.82 Mbit/s
95th percentile per-packet one-way delay: 19.087 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 184.82 Mbit/s
95th percentile per-packet one-way delay: 19.087 ms
Loss rate: 0.05%
```
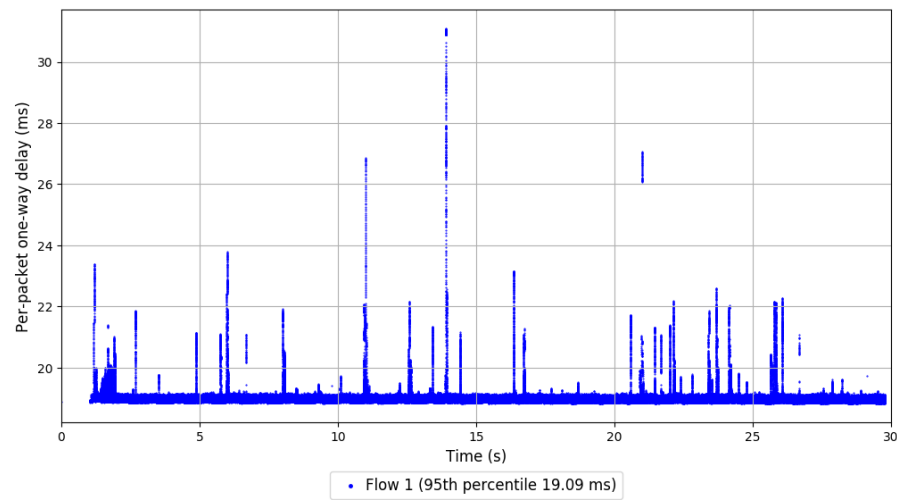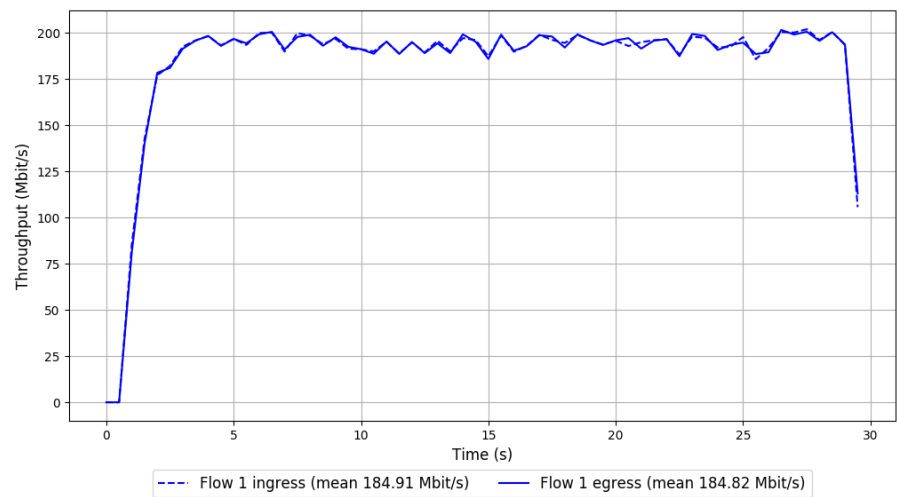
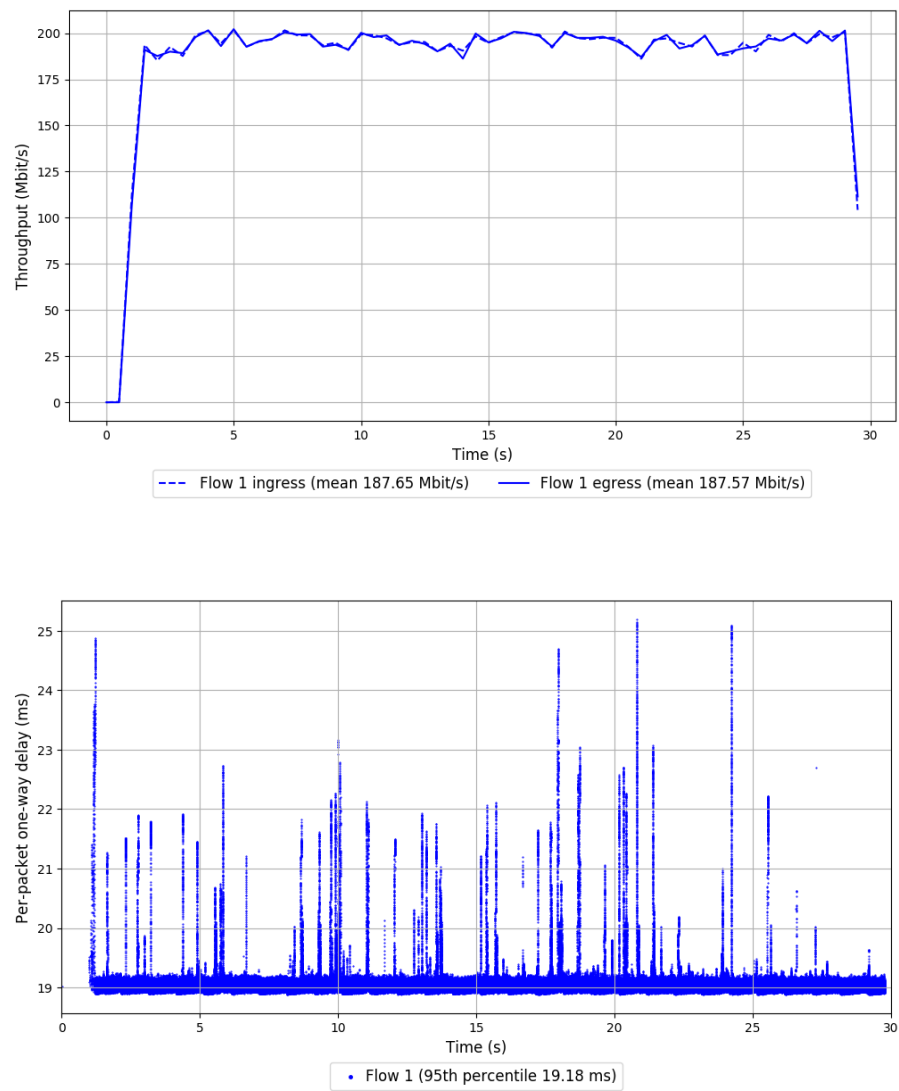Run 6: Report of Indigo-calib — Data Link

```
Run 7: Statistics of Indigo-calib

Start at: 2017-11-16 01:15:45
End at: 2017-11-16 01:16:15
Local clock offset: -0.207 ms
Remote clock offset: -1.472 ms


# Below is generated by plot.py at 2017-11-16 04:38:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.57 Mbit/s
95th percentile per-packet one-way delay: 19.175 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 187.57 Mbit/s
95th percentile per-packet one-way delay: 19.175 ms
Loss rate: 0.04%
```

Run 7: Report of Indigo-calib — Data Link

```
Run 8: Statistics of Indigo-calib

Start at: 2017-11-16 01:33:59
End at: 2017-11-16 01:34:29
Local clock offset: -0.185 ms
Remote clock offset: -1.49 ms


# Below is generated by plot.py at 2017-11-16 04:38:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.53 Mbit/s
95th percentile per-packet one-way delay: 19.708 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.53 Mbit/s
95th percentile per-packet one-way delay: 19.708 ms
Loss rate: 0.00%
```
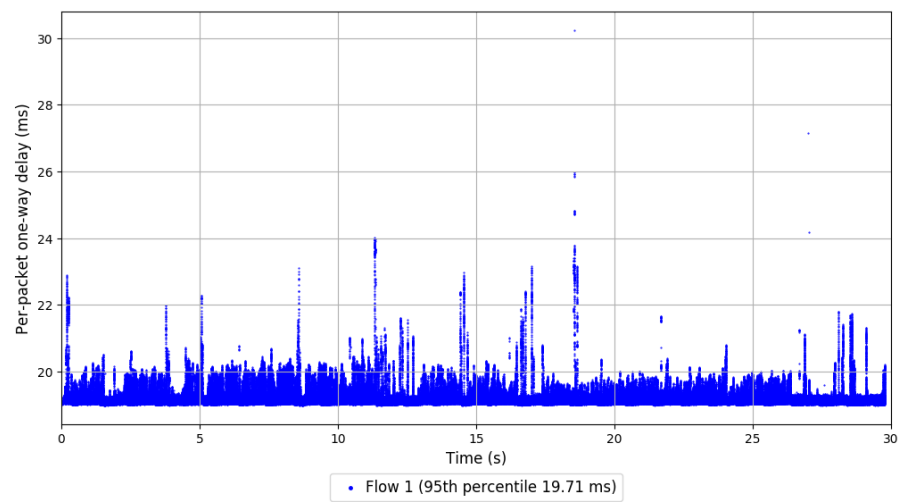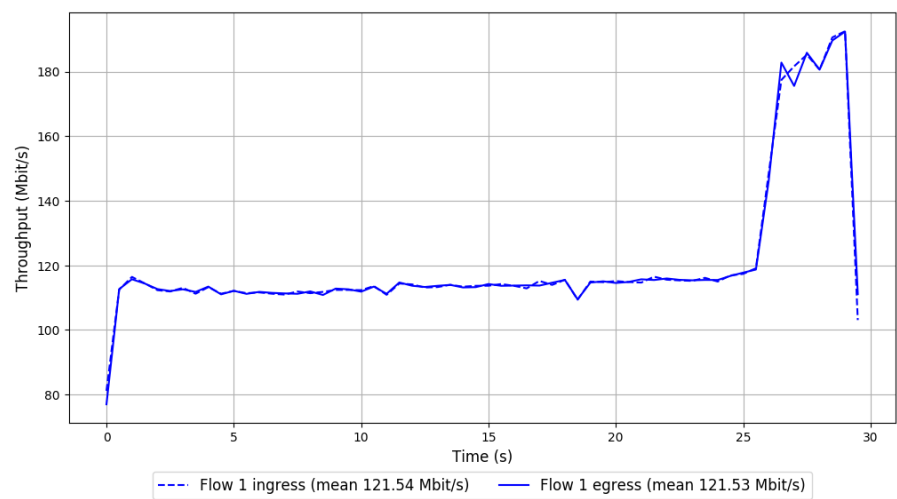
Run 8: Report of Indigo-calib — Data Link

```
Run 9: Statistics of Indigo-calib

Start at: 2017-11-16 01:52:04
End at: 2017-11-16 01:52:34
Local clock offset: 0.37 ms
Remote clock offset: -1.455 ms


# Below is generated by plot.py at 2017-11-16 04:38:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.30 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 134.30 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.03%
```
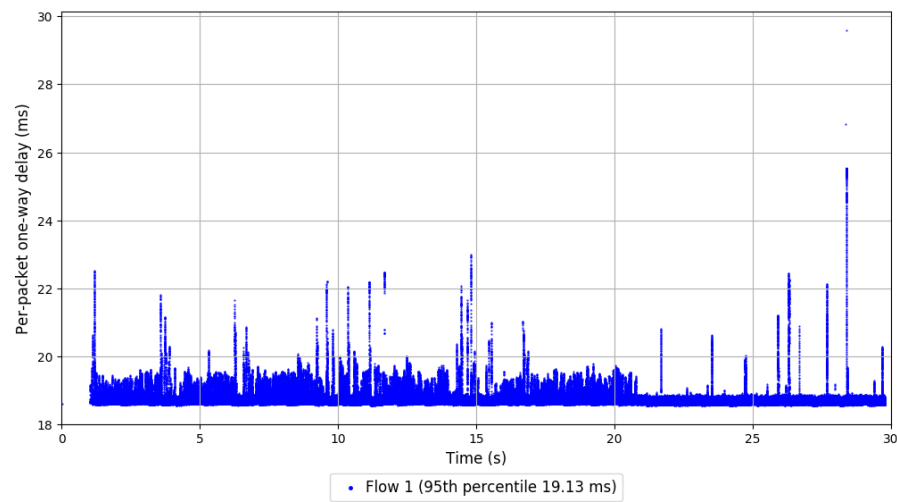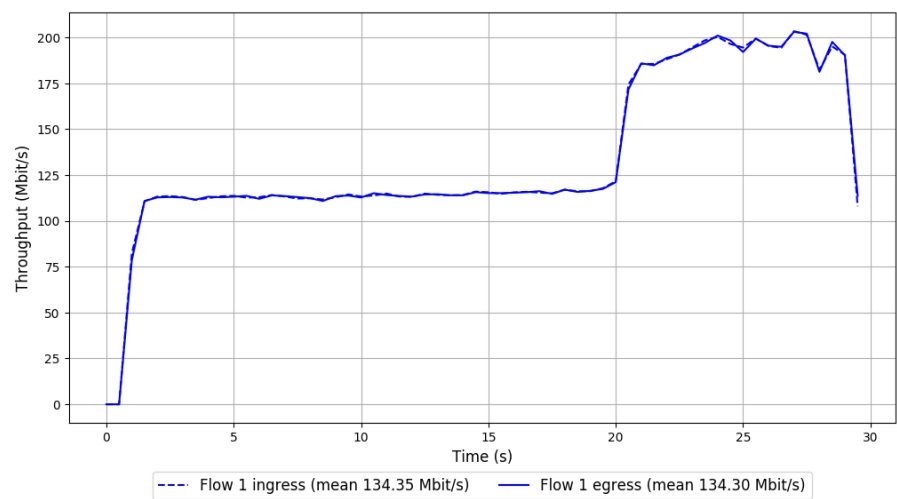
Run 9: Report of Indigo-calib — Data Link

```
Run 10: Statistics of Indigo-calib

Start at: 2017-11-16 02:10:17
End at: 2017-11-16 02:10:47
Local clock offset: 0.511 ms
Remote clock offset: -1.587 ms


# Below is generated by plot.py at 2017-11-16 04:38:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.07 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 190.07 Mbit/s
95th percentile per-packet one-way delay: 19.153 ms
Loss rate: 0.04%
```

Run 10: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 190.16 Mbit/s)   Flow 1 egress (mean 190.07 Mbit/s)

• Flow 1 (95th percentile 19.15 ms)