Pantheon Report

Generated at 2017-12-05 18:44:10 (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.

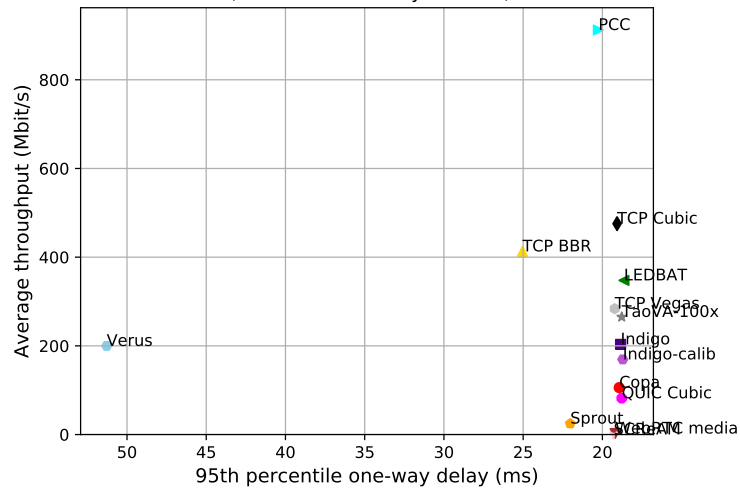Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

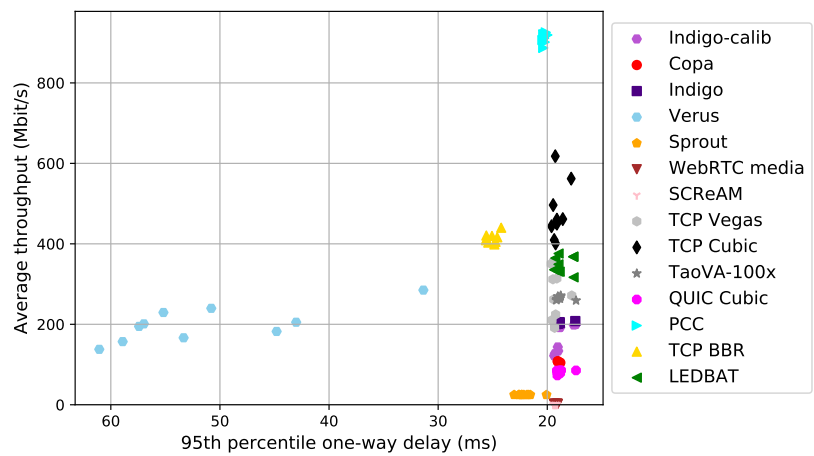NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
Git summary:
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from 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	412.93	25.04	8.37
TCP Cubic	10	475.53	19.07	0.04
LEDBAT	10	347.61	18.64	0.00
PCC	10	912.25	20.25	0.30
QUIC Cubic	10	81.84	18.78	0.00
SCReAM	7	0.22	19.29	0.00
WebRTC media	10	2.31	19.20	0.00
Sprout	10	24.76	22.03	0.00
TaoVA-100x	10	265.20	18.78	0.00
TCP Vegas	10	283.82	19.22	0.02
Verus	10	199.86	51.28	19.35
Copa	4	105.82	18.94	0.00
Indigo	10	203.34	18.85	0.00
Indigo-calib	10	169.45	18.71	0.00

```
Run 1: Statistics of TCP BBR

Start at: 2017-12-05 13:03:46
End at: 2017-12-05 13:04:16
Local clock offset: 0.926 ms
Remote clock offset: -1.933 ms

# Below is generated by plot.py at 2017-12-05 17:41:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 404.92 Mbit/s
95th percentile per-packet one-way delay: 24.758 ms
Loss rate: 7.23%
-- Flow 1:
Average throughput: 404.92 Mbit/s
95th percentile per-packet one-way delay: 24.758 ms
Loss rate: 7.23%
```
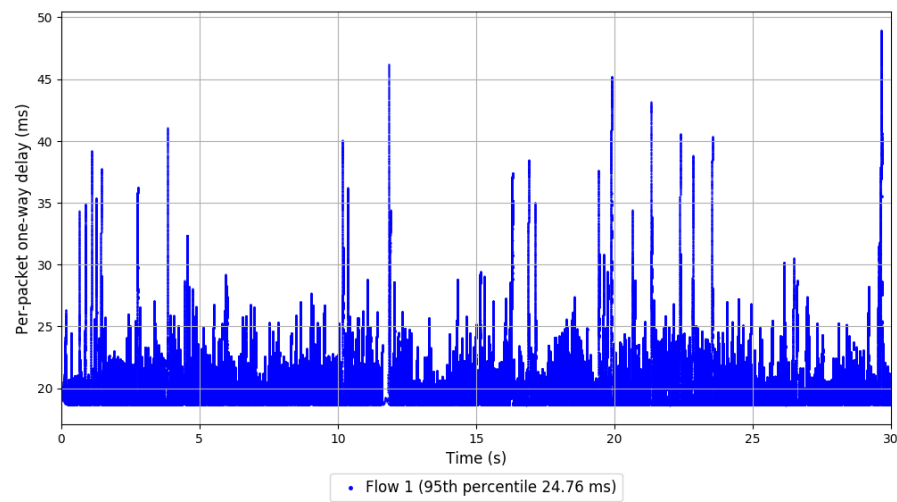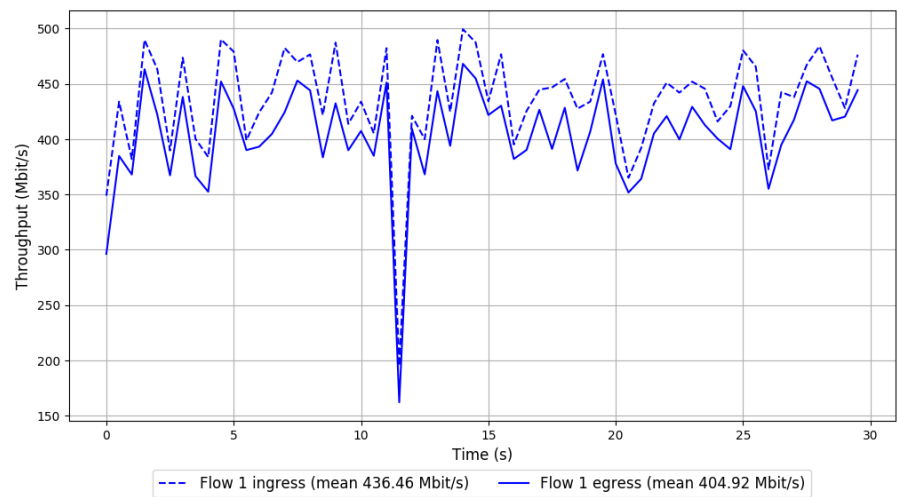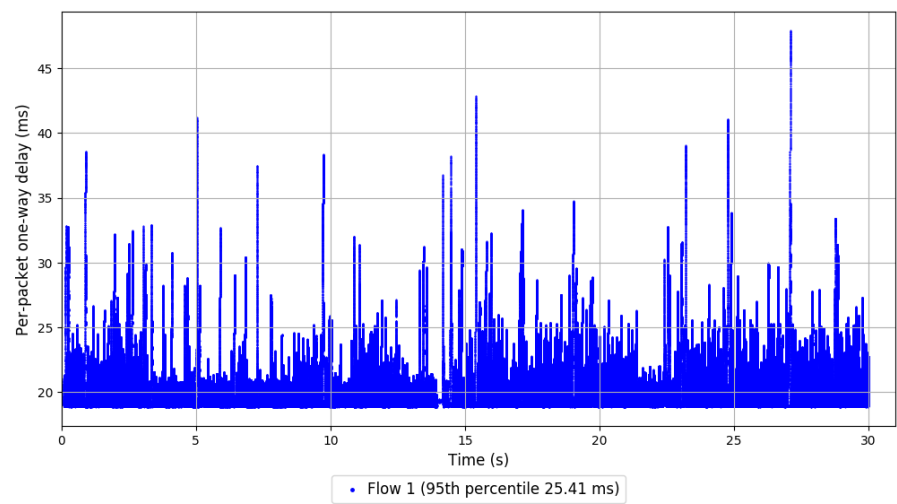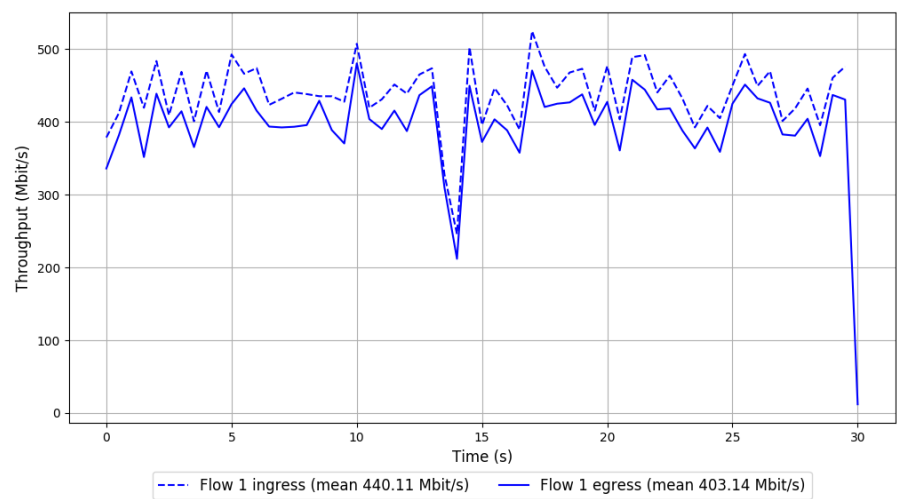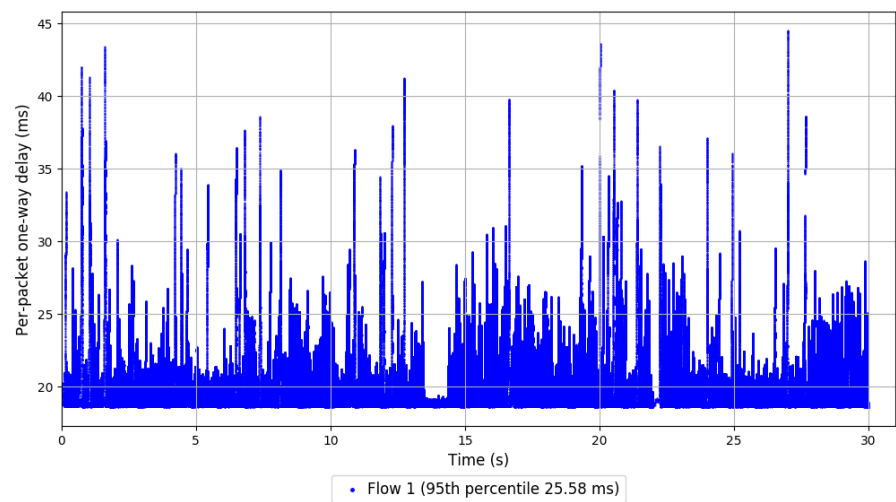
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2017-12-05 13:22:43
End at: 2017-12-05 13:23:13
Local clock offset: 0.706 ms
Remote clock offset: -2.134 ms


# Below is generated by plot.py at 2017-12-05 17:41:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 403.14 Mbit/s
95th percentile per-packet one-way delay: 25.406 ms
Loss rate: 8.40%
-- Flow 1:
Average throughput: 403.14 Mbit/s
95th percentile per-packet one-way delay: 25.406 ms
Loss rate: 8.40%
```
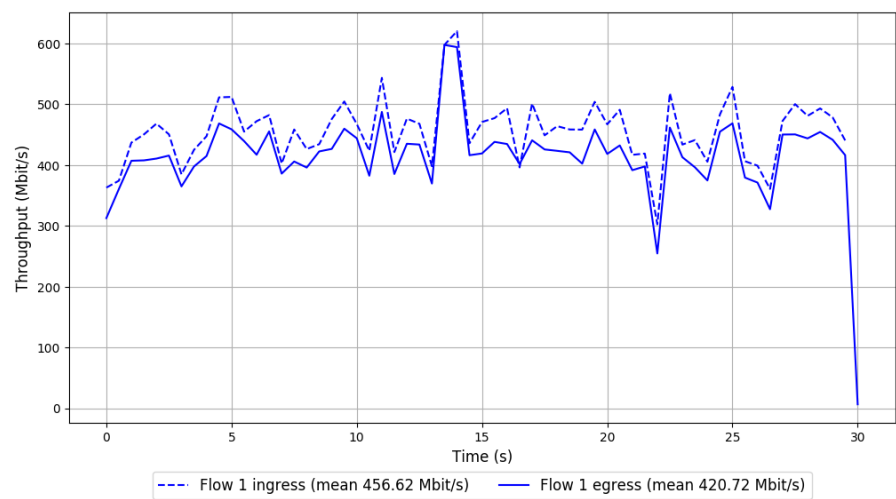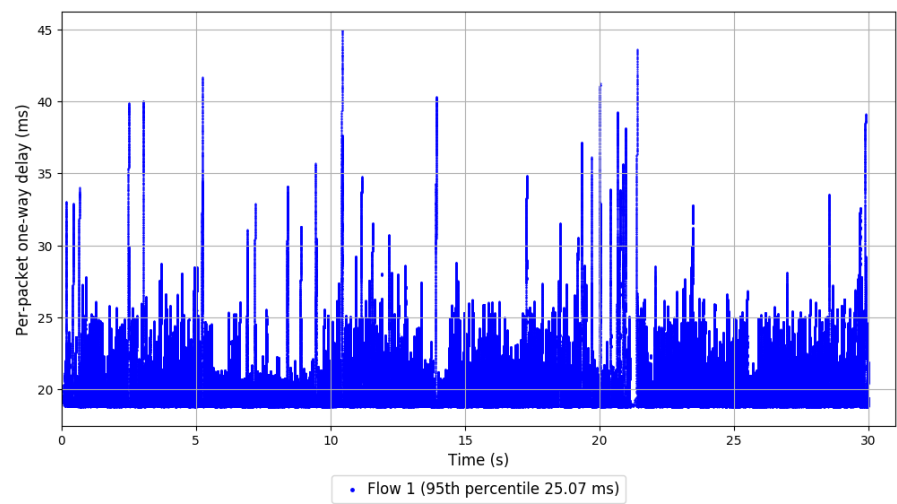
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 440.11 Mbit/s) --- Flow 1 egress (mean 403.14 Mbit/s)

Flow 1 (95th percentile 25.41 ms)

```
Run 3: Statistics of TCP BBR

Start at: 2017-12-05 13:41:29
End at: 2017-12-05 13:41:59
Local clock offset: 0.797 ms
Remote clock offset: -2.165 ms


# Below is generated by plot.py at 2017-12-05 17:41:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 420.72 Mbit/s
95th percentile per-packet one-way delay: 25.583 ms
Loss rate: 7.86%
-- Flow 1:
Average throughput: 420.72 Mbit/s
95th percentile per-packet one-way delay: 25.583 ms
Loss rate: 7.86%
```
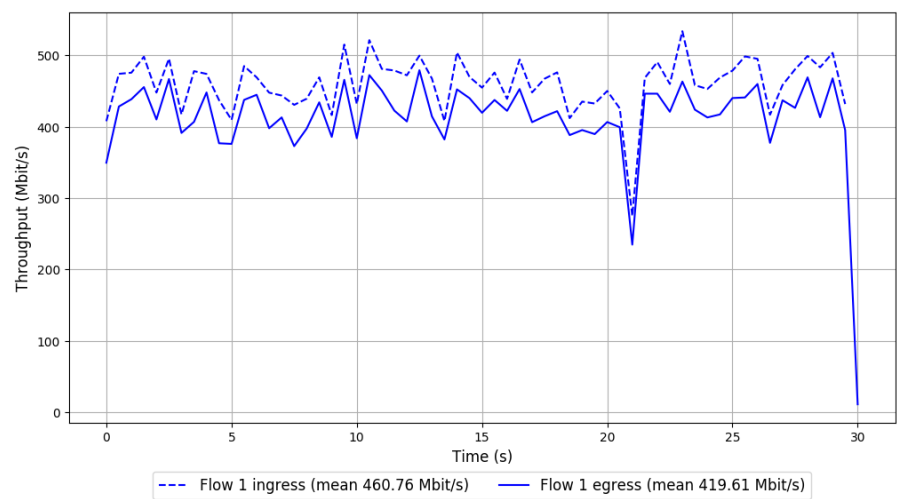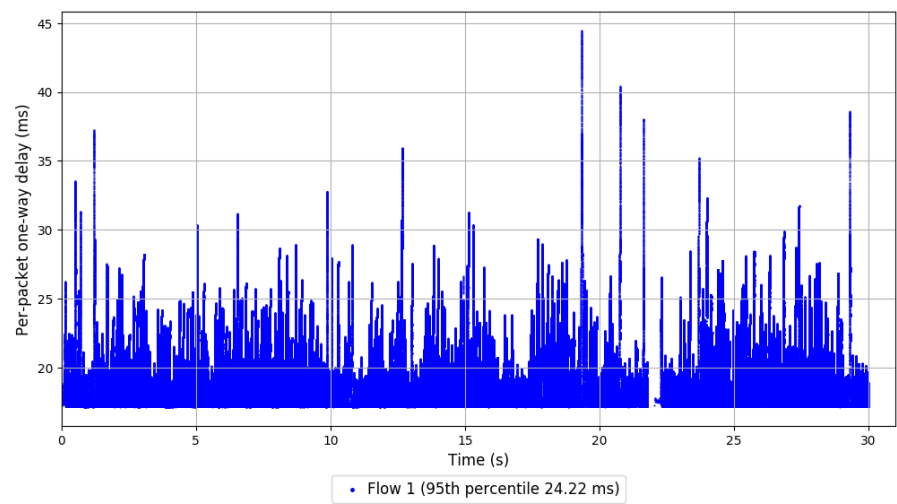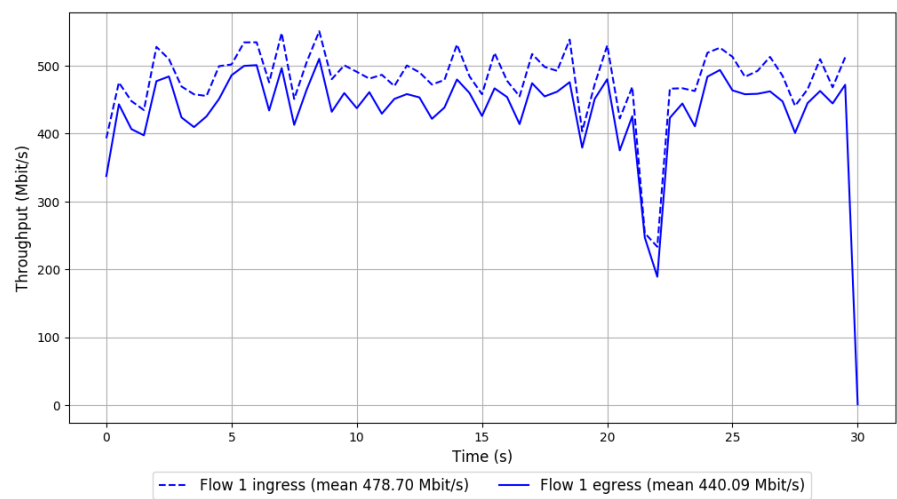
Run 3: Report of TCP BBR — Data Link

```
Run 4: Statistics of TCP BBR

Start at: 2017-12-05 14:00:24
End at: 2017-12-05 14:00:54
Local clock offset: 0.879 ms
Remote clock offset: -2.053 ms


# Below is generated by plot.py at 2017-12-05 17:41:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 419.61 Mbit/s
95th percentile per-packet one-way delay: 25.068 ms
Loss rate: 8.93%
-- Flow 1:
Average throughput: 419.61 Mbit/s
95th percentile per-packet one-way delay: 25.068 ms
Loss rate: 8.93%
```
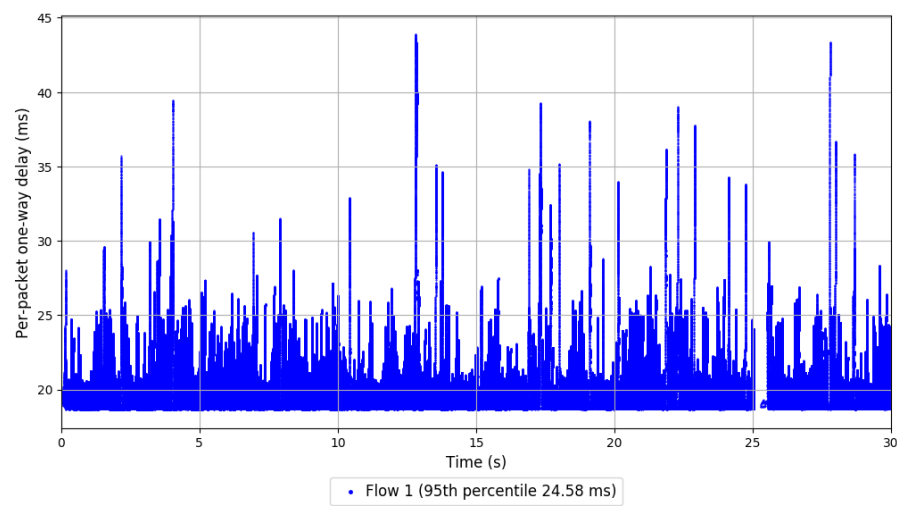
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 460.76 Mbit/s)   Flow 1 egress (mean 419.61 Mbit/s)

• Flow 1 (95th percentile 25.07 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2017-12-05 14:19:25
End at: 2017-12-05 14:19:55
Local clock offset: 0.925 ms
Remote clock offset: -2.205 ms


# Below is generated by plot.py at 2017-12-05 17:42:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 440.09 Mbit/s
95th percentile per-packet one-way delay: 24.223 ms
Loss rate: 8.07%
-- Flow 1:
Average throughput: 440.09 Mbit/s
95th percentile per-packet one-way delay: 24.223 ms
Loss rate: 8.07%
```
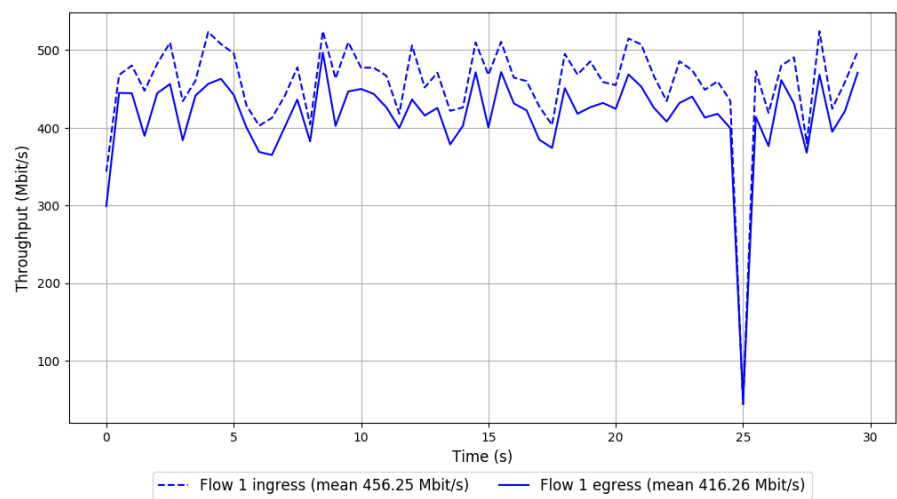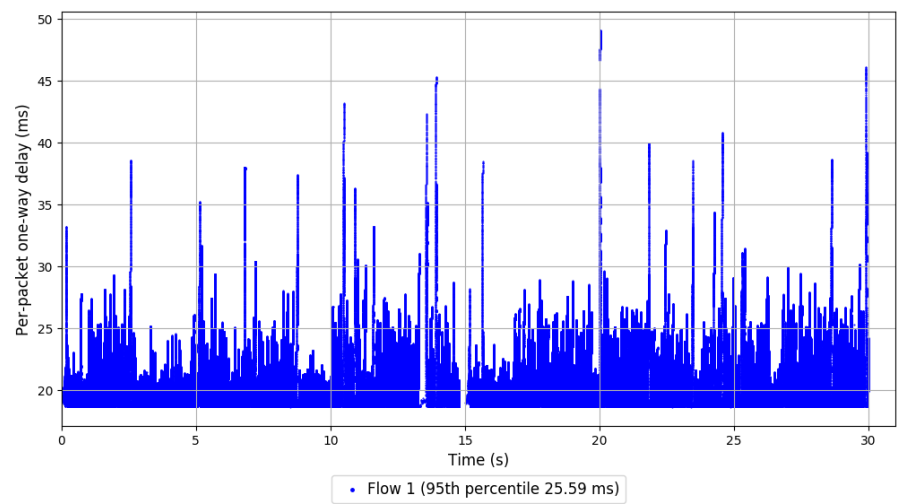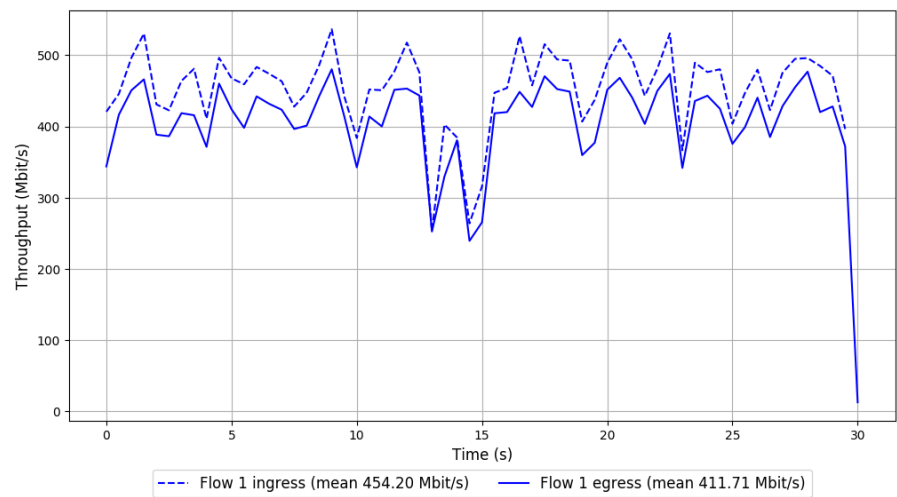
Run 5: Report of TCP BBR — Data Link

```
Run 6: Statistics of TCP BBR

Start at: 2017-12-05 14:38:22
End at: 2017-12-05 14:38:52
Local clock offset: 1.396 ms
Remote clock offset: -2.125 ms


# Below is generated by plot.py at 2017-12-05 17:42:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 416.26 Mbit/s
95th percentile per-packet one-way delay: 24.581 ms
Loss rate: 8.76%
-- Flow 1:
Average throughput: 416.26 Mbit/s
95th percentile per-packet one-way delay: 24.581 ms
Loss rate: 8.76%
```
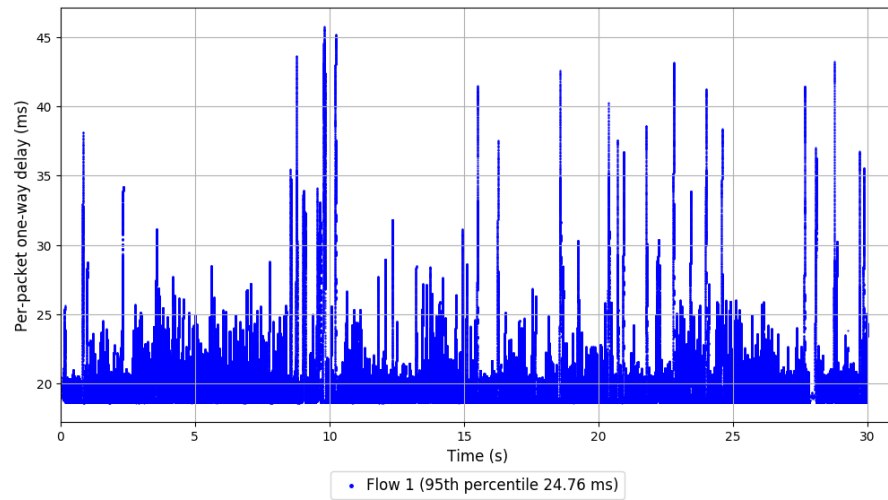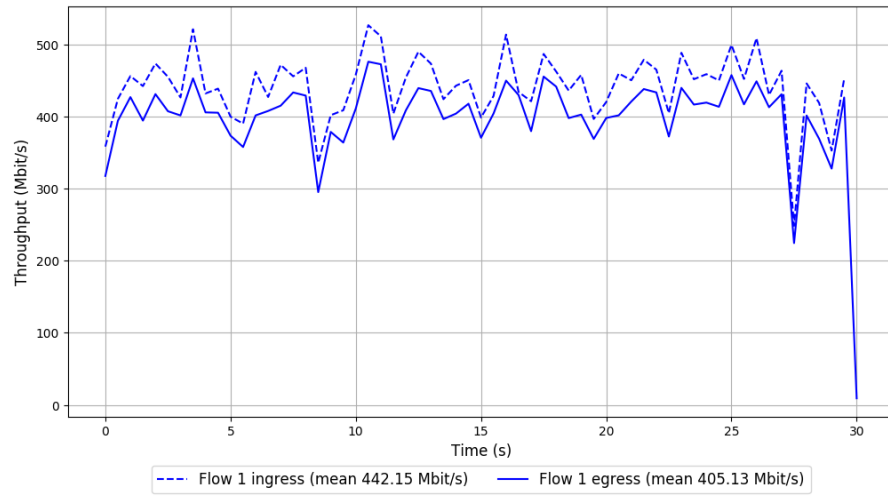
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 456.25 Mbit/s)   Flow 1 egress (mean 416.26 Mbit/s)

• Flow 1 (95th percentile 24.58 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2017-12-05 14:57:17
End at: 2017-12-05 14:57:47
Local clock offset: 1.976 ms
Remote clock offset: -1.896 ms


# Below is generated by plot.py at 2017-12-05 17:42:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 411.71 Mbit/s
95th percentile per-packet one-way delay: 25.588 ms
Loss rate: 9.35%
-- Flow 1:
Average throughput: 411.71 Mbit/s
95th percentile per-packet one-way delay: 25.588 ms
Loss rate: 9.35%
```
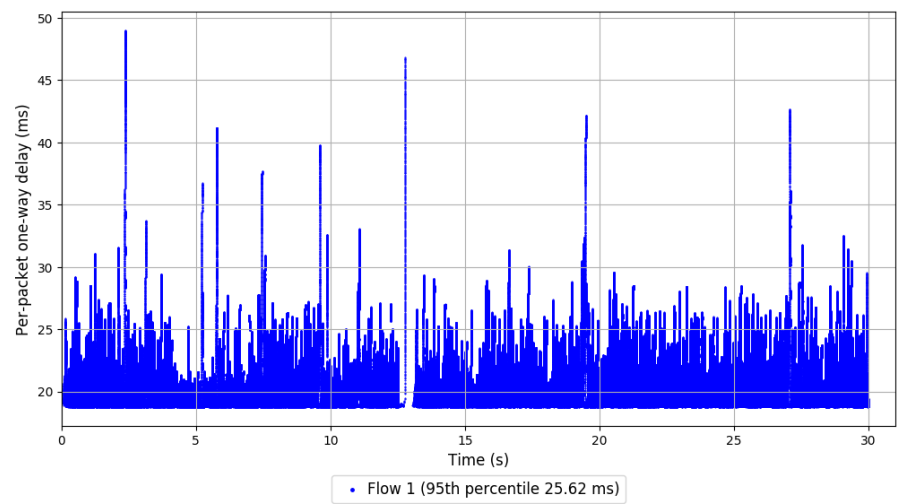
Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2017-12-05 15:16:12
End at: 2017-12-05 15:16:42
Local clock offset: 2.193 ms
Remote clock offset: -1.782 ms


# Below is generated by plot.py at 2017-12-05 17:42:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 405.13 Mbit/s
95th percentile per-packet one-way delay: 24.763 ms
Loss rate: 8.36%
-- Flow 1:
Average throughput: 405.13 Mbit/s
95th percentile per-packet one-way delay: 24.763 ms
Loss rate: 8.36%
```
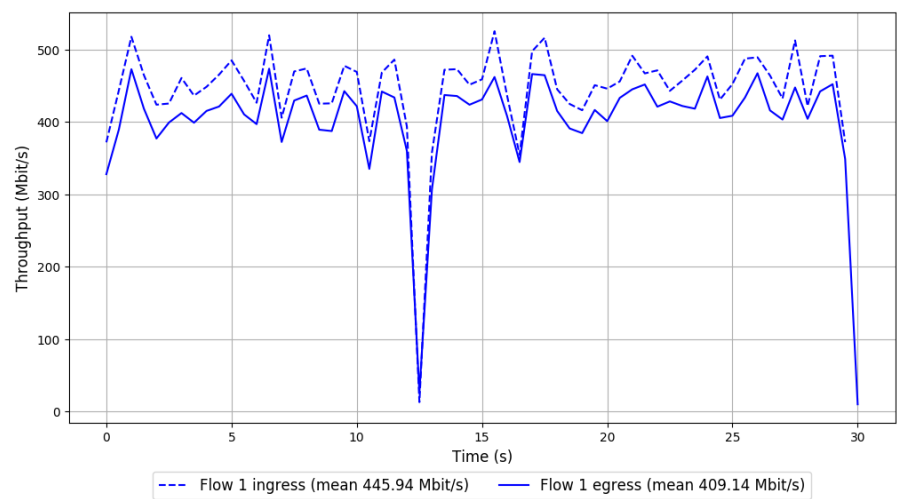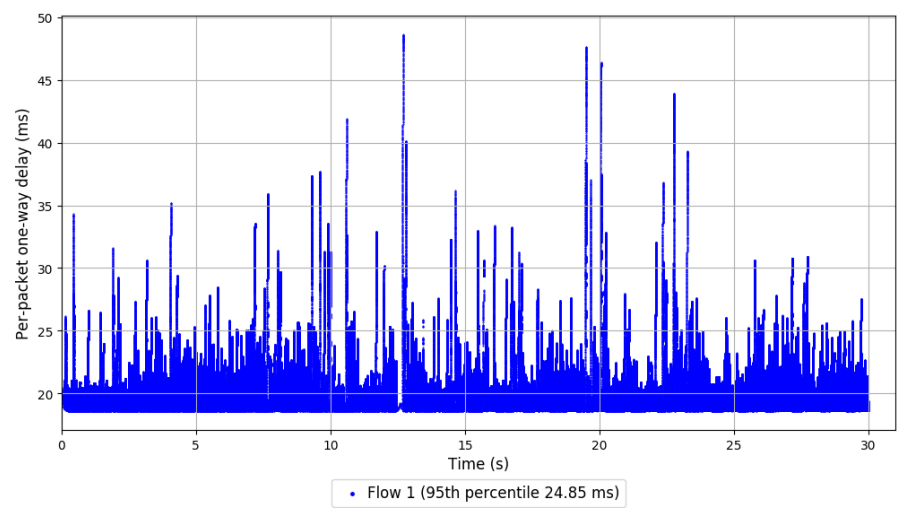
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 442.15 Mbit/s)   Flow 1 egress (mean 405.13 Mbit/s)

Flow 1 (95th percentile 24.76 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2017-12-05 15:35:04
End at: 2017-12-05 15:35:34
Local clock offset: 2.033 ms
Remote clock offset: -1.913 ms


# Below is generated by plot.py at 2017-12-05 17:47:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 409.14 Mbit/s
95th percentile per-packet one-way delay: 25.618 ms
Loss rate: 8.25%
-- Flow 1:
Average throughput: 409.14 Mbit/s
95th percentile per-packet one-way delay: 25.618 ms
Loss rate: 8.25%
```
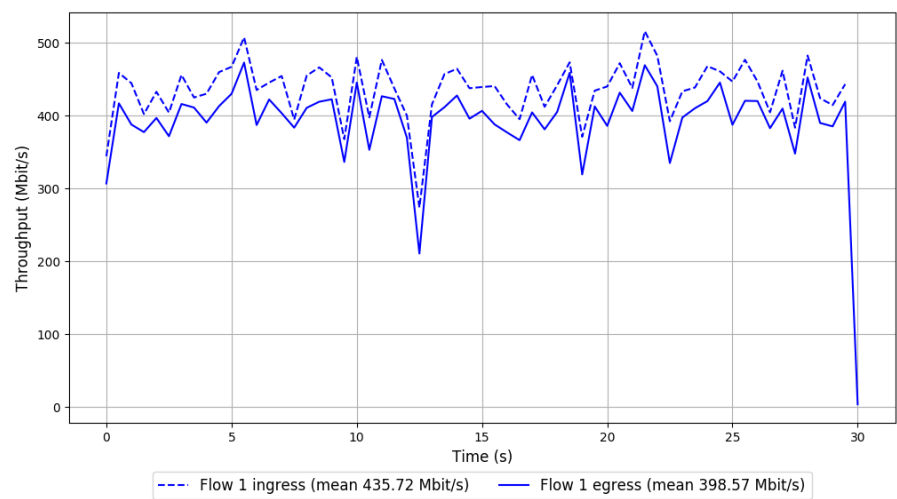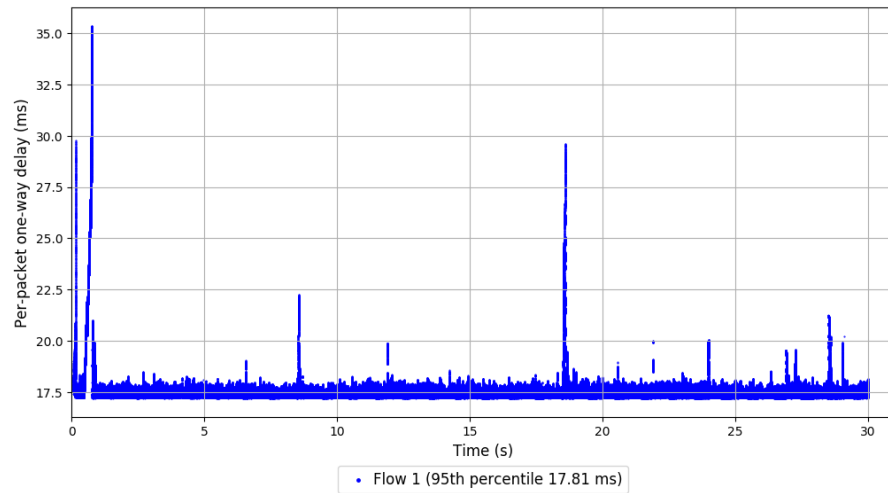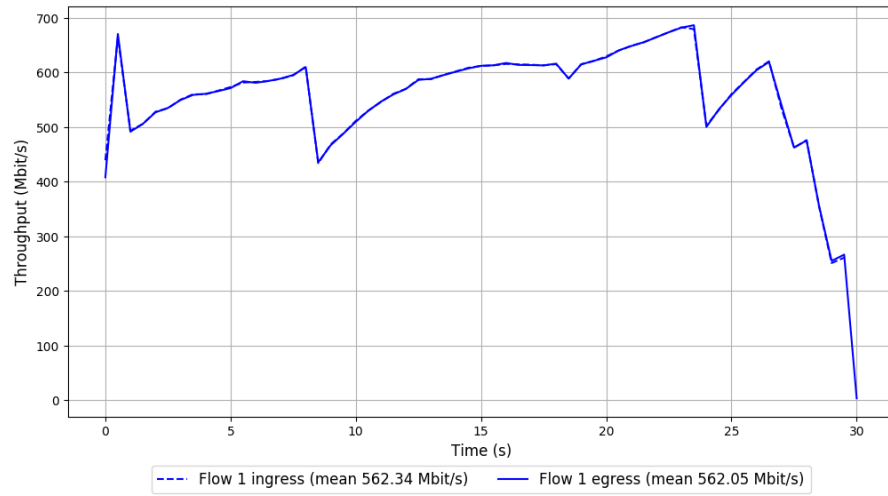
Run 9: Report of TCP BBR — Data Link

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```
Run 10: Statistics of TCP BBR

Start at: 2017-12-05 15:53:55
End at: 2017-12-05 15:54:25
Local clock offset: 2.379 ms
Remote clock offset: -1.913 ms


# Below is generated by plot.py at 2017-12-05 17:47:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 398.57 Mbit/s
95th percentile per-packet one-way delay: 24.847 ms
Loss rate: 8.53%
-- Flow 1:
Average throughput: 398.57 Mbit/s
95th percentile per-packet one-way delay: 24.847 ms
Loss rate: 8.53%
```

Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 435.72 Mbit/s) --- Flow 1 egress (mean 398.57 Mbit/s)

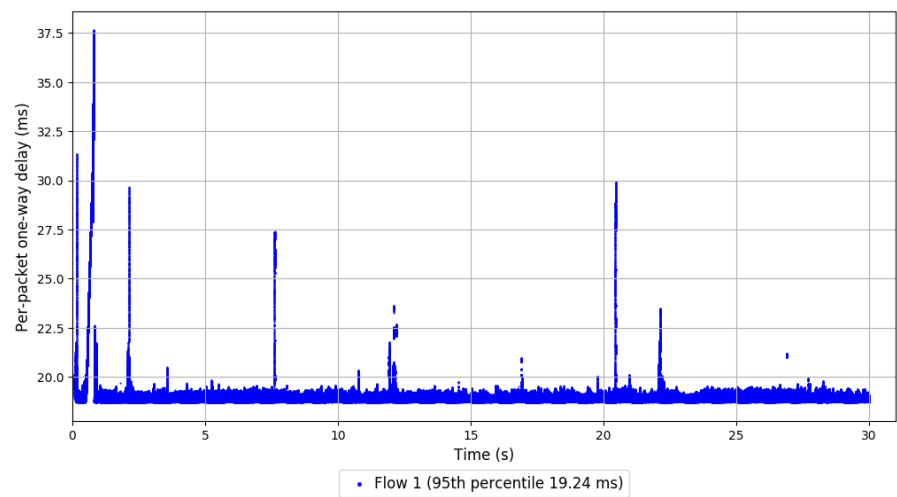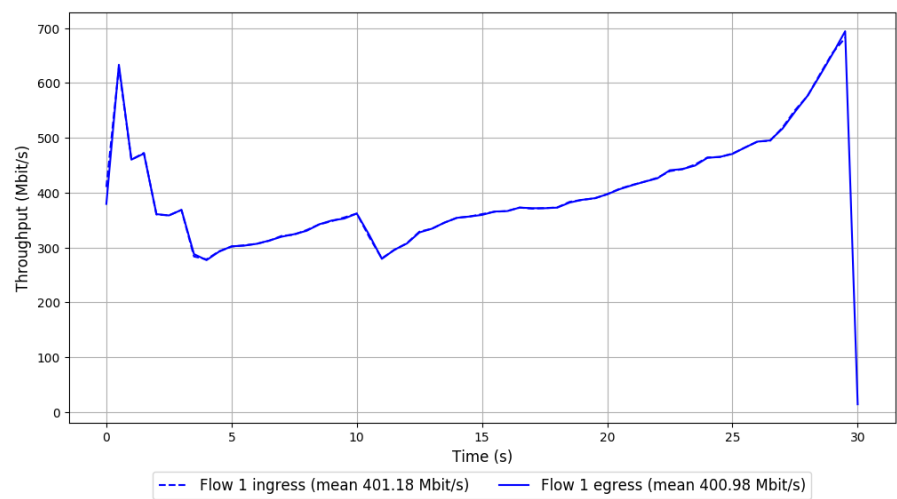

Flow 1 (95th percentile 24.85 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2017-12-05 13:05:17
End at: 2017-12-05 13:05:47
Local clock offset: 0.927 ms
Remote clock offset: -1.891 ms


# Below is generated by plot.py at 2017-12-05 17:49:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 562.05 Mbit/s
95th percentile per-packet one-way delay: 17.806 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 562.05 Mbit/s
95th percentile per-packet one-way delay: 17.806 ms
Loss rate: 0.05%
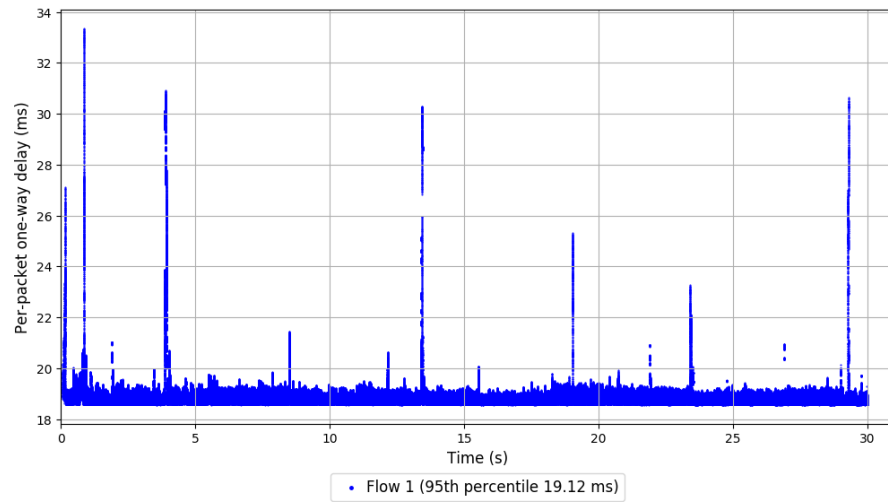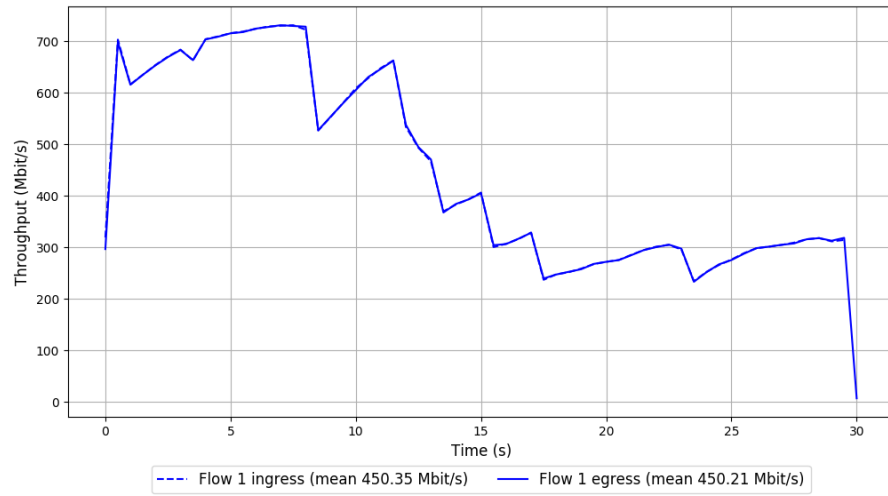```

Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2017-12-05 13:24:14
End at: 2017-12-05 13:24:44
Local clock offset: 0.727 ms
Remote clock offset: -2.141 ms

Below is generated by plot.py at 2017-12-05 17:49:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 400.98 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 400.98 Mbit/s
95th percentile per-packet one-way delay: 19.237 ms
Loss rate: 0.05%
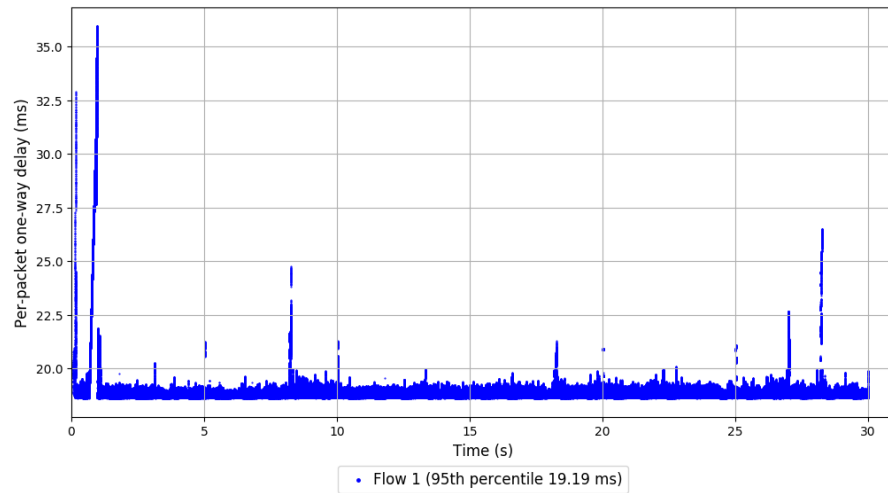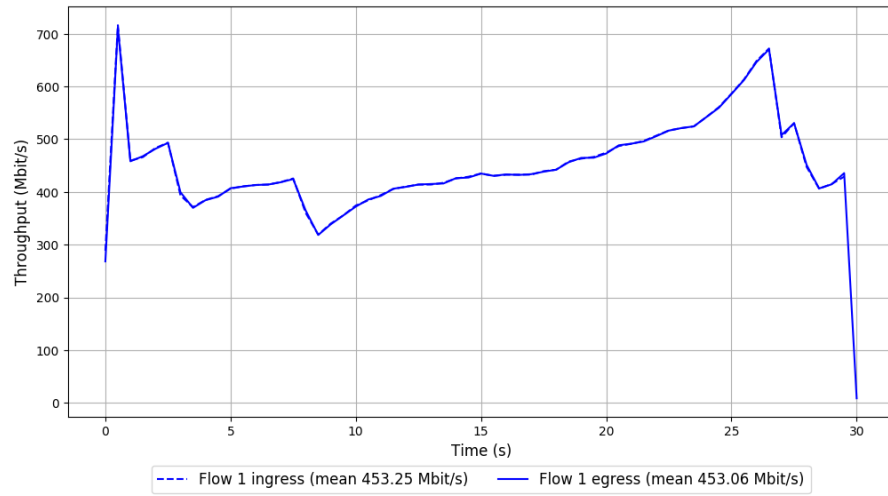```

Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 401.18 Mbit/s) — — — Flow 1 egress (mean 400.98 Mbit/s)

• Flow 1 (95th percentile 19.24 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2017-12-05 13:43:00
End at: 2017-12-05 13:43:30
Local clock offset: 0.808 ms
Remote clock offset: -2.183 ms


# Below is generated by plot.py at 2017-12-05 17:49:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 450.21 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 450.21 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.03%
```
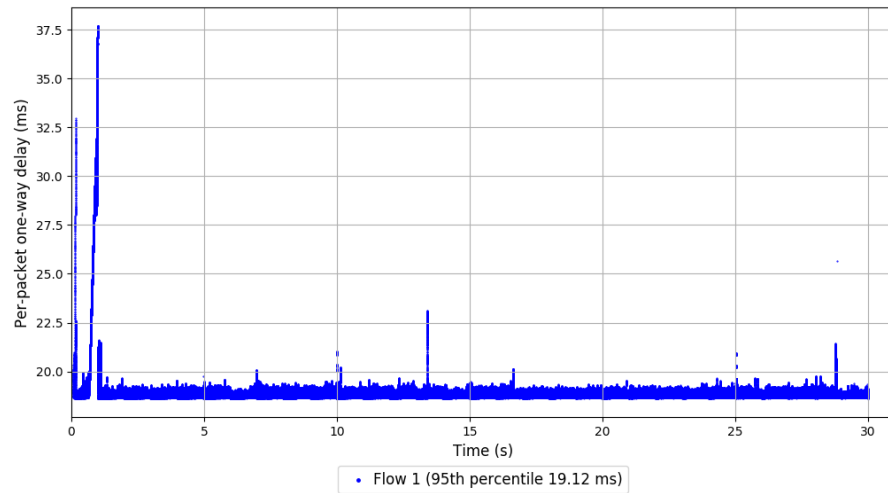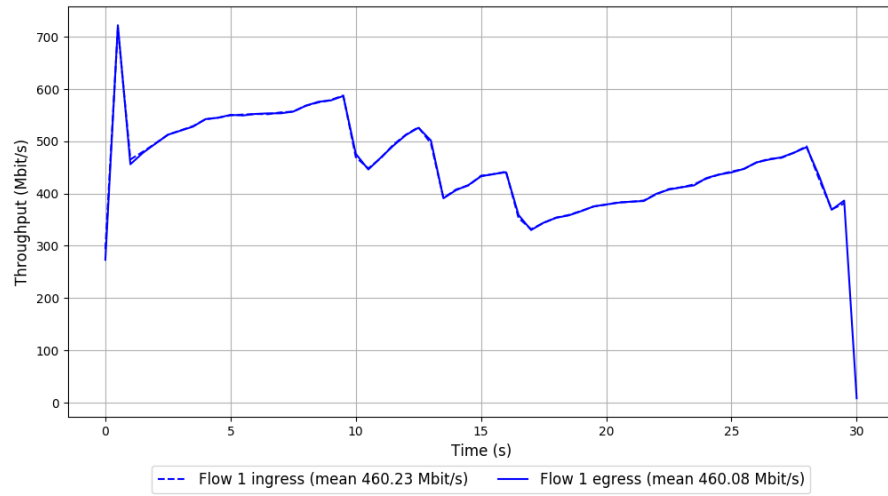
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 450.35 Mbit/s)   Flow 1 egress (mean 450.21 Mbit/s)

Flow 1 (95th percentile 19.12 ms)

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```
Run 4: Statistics of TCP Cubic

Start at: 2017-12-05 14:01:56
End at: 2017-12-05 14:02:26
Local clock offset: 0.888 ms
Remote clock offset: -2.021 ms


# Below is generated by plot.py at 2017-12-05 17:49:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 453.06 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 453.06 Mbit/s
95th percentile per-packet one-way delay: 19.187 ms
Loss rate: 0.04%
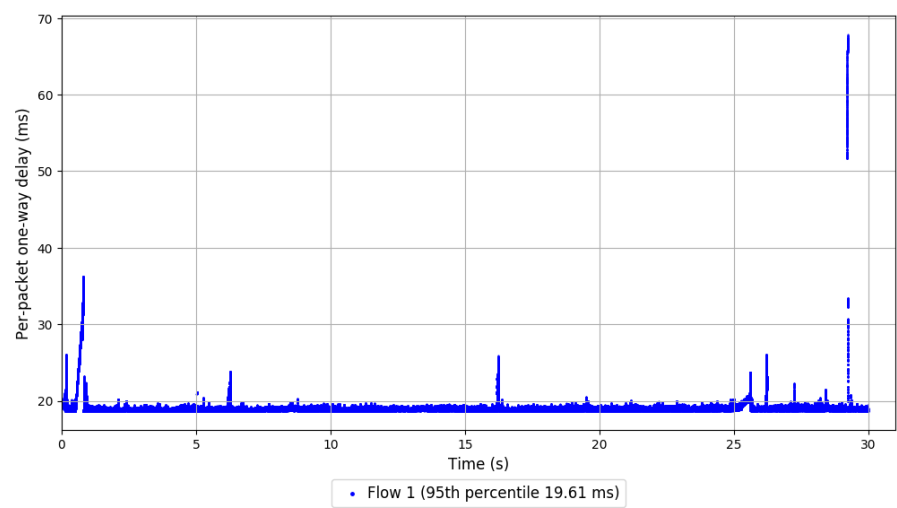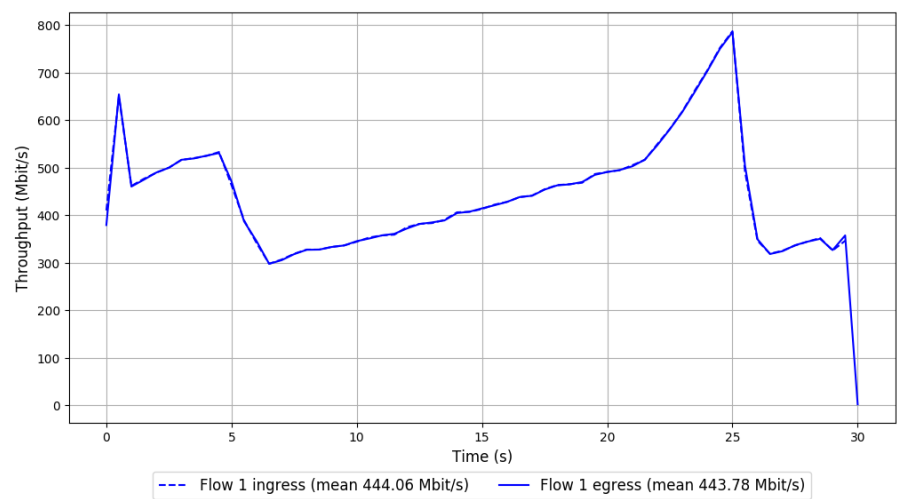```

Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: 2017-12-05 14:20:58
End at: 2017-12-05 14:21:28
Local clock offset: 0.936 ms
Remote clock offset: -2.224 ms

Below is generated by plot.py at 2017-12-05 17:49:24
Datalink statistics
-- Total of 1 flow:
Average throughput: 460.08 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 460.08 Mbit/s
95th percentile per-packet one-way delay: 19.117 ms
Loss rate: 0.03%
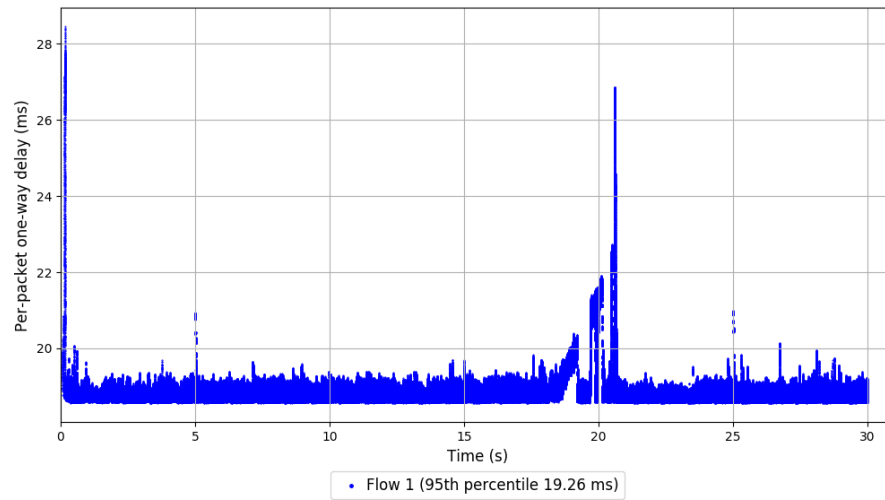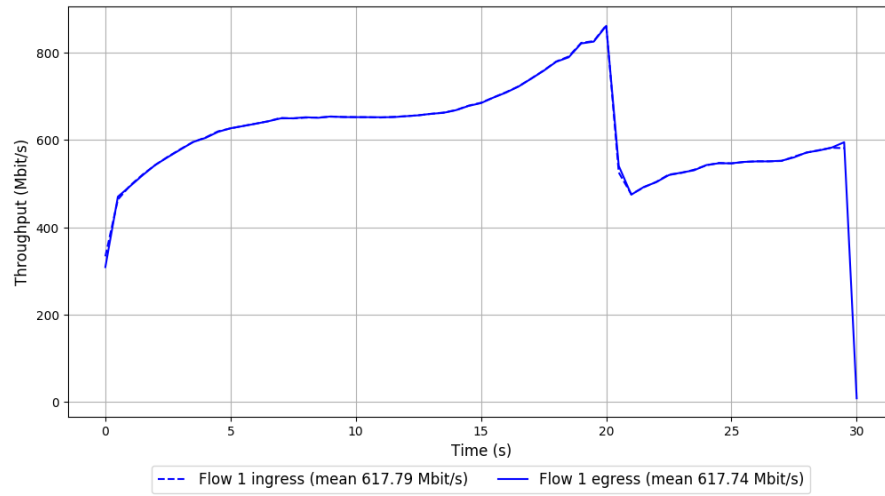```

Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2017-12-05 14:39:53
End at: 2017-12-05 14:40:23
Local clock offset: 1.433 ms
Remote clock offset: -2.196 ms


# Below is generated by plot.py at 2017-12-05 17:49:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 443.78 Mbit/s
95th percentile per-packet one-way delay: 19.609 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 443.78 Mbit/s
95th percentile per-packet one-way delay: 19.609 ms
Loss rate: 0.06%
```
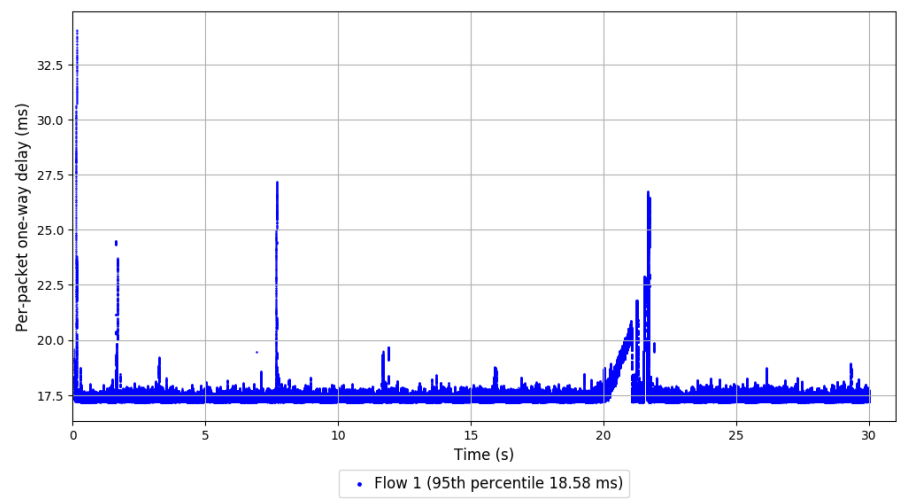
Run 6: Report of TCP Cubic — Data Link

```
Run 7: Statistics of TCP Cubic

Start at: 2017-12-05 14:58:48
End at: 2017-12-05 14:59:18
Local clock offset: 2.01 ms
Remote clock offset: -1.936 ms


# Below is generated by plot.py at 2017-12-05 17:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 617.74 Mbit/s
95th percentile per-packet one-way delay: 19.264 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 617.74 Mbit/s
95th percentile per-packet one-way delay: 19.264 ms
Loss rate: 0.01%
```
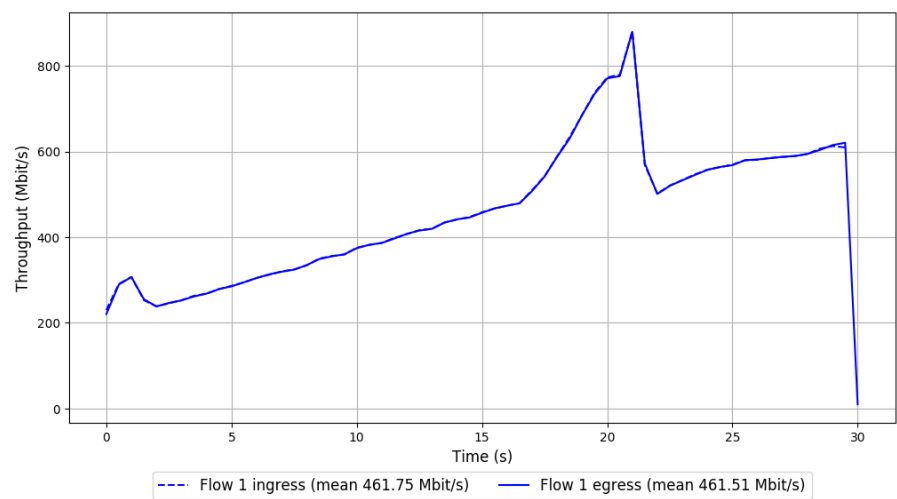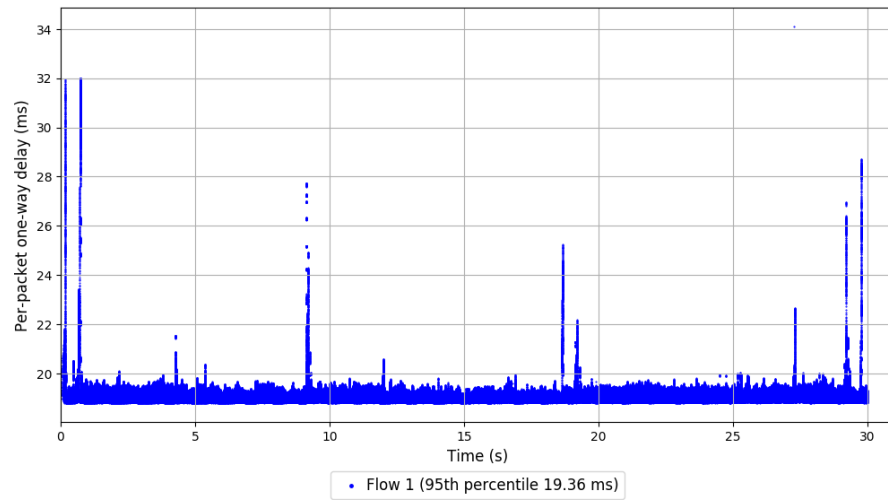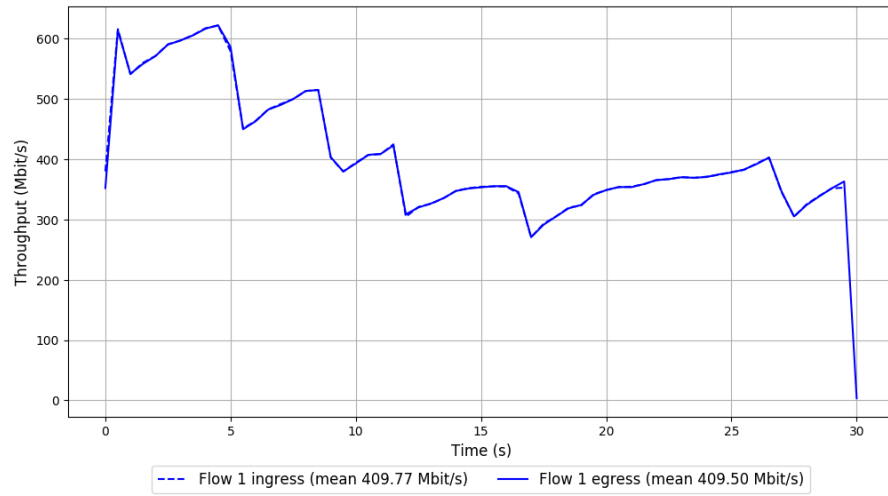
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 617.79 Mbit/s) — Flow 1 egress (mean 617.74 Mbit/s)

• Flow 1 (95th percentile 19.26 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2017-12-05 15:17:42
End at: 2017-12-05 15:18:12
Local clock offset: 2.221 ms
Remote clock offset: -1.81 ms


# Below is generated by plot.py at 2017-12-05 17:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 461.51 Mbit/s
95th percentile per-packet one-way delay: 18.577 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 461.51 Mbit/s
95th percentile per-packet one-way delay: 18.577 ms
Loss rate: 0.05%
```
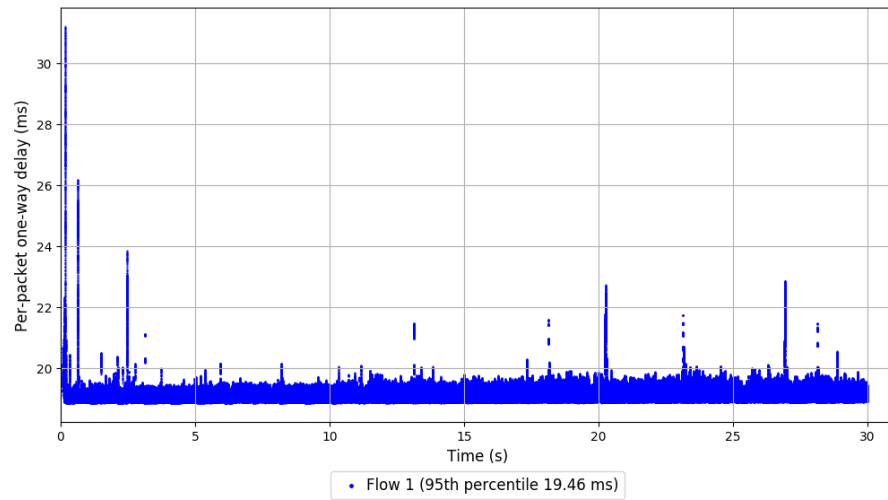
Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: 2017-12-05 15:36:35
End at: 2017-12-05 15:37:05
Local clock offset: 2.142 ms
Remote clock offset: -2.024 ms


# Below is generated by plot.py at 2017-12-05 17:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 409.50 Mbit/s
95th percentile per-packet one-way delay: 19.364 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 409.50 Mbit/s
95th percentile per-packet one-way delay: 19.364 ms
Loss rate: 0.07%
```
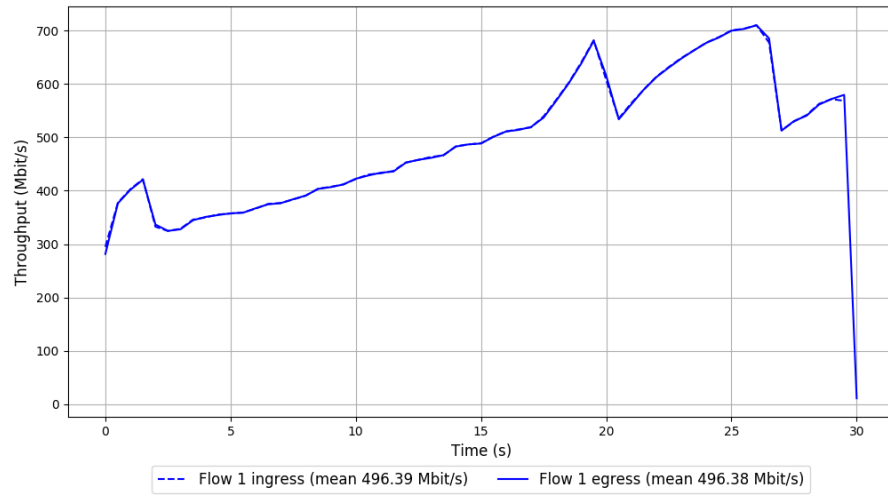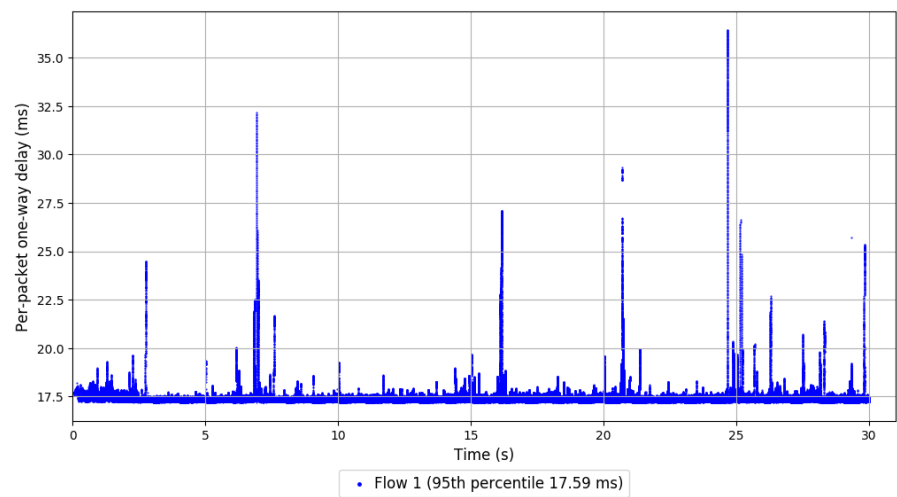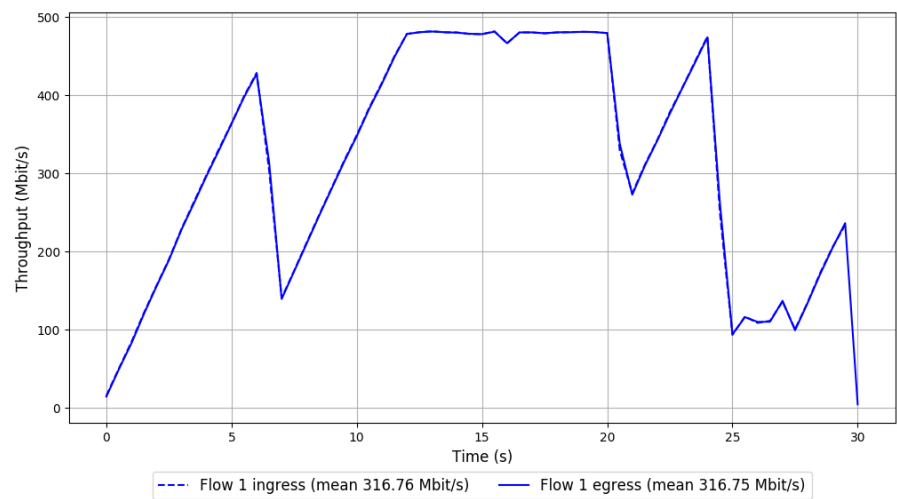
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 409.77 Mbit/s)   Flow 1 egress (mean 409.50 Mbit/s)

Flow 1 (95th percentile 19.36 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2017-12-05 15:55:25
End at: 2017-12-05 15:55:55
Local clock offset: 2.44 ms
Remote clock offset: -1.894 ms


# Below is generated by plot.py at 2017-12-05 17:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 496.38 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 496.38 Mbit/s
95th percentile per-packet one-way delay: 19.460 ms
Loss rate: 0.00%
```

Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 496.39 Mbit/s) — Flow 1 egress (mean 496.38 Mbit/s)
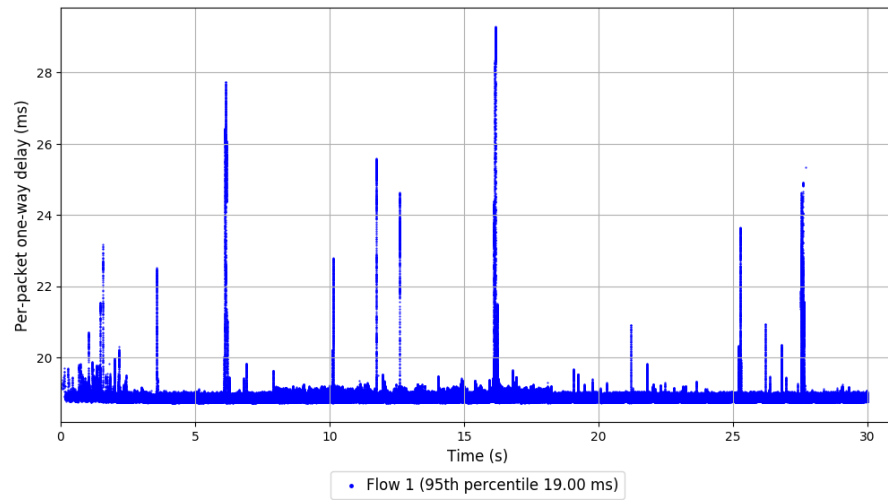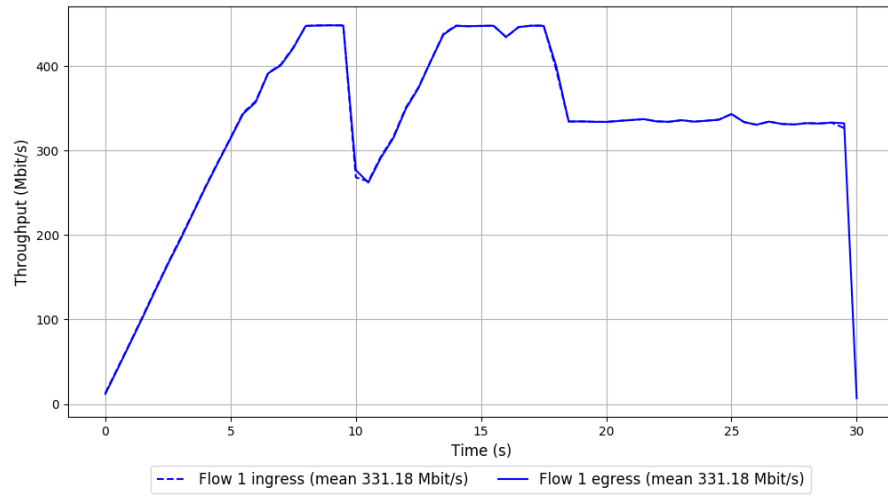

Flow 1 (95th percentile 19.46 ms)

```
Run 1: Statistics of LEDBAT

Start at: 2017-12-05 13:06:50
End at: 2017-12-05 13:07:20
Local clock offset: 0.906 ms
Remote clock offset: -1.881 ms

# Below is generated by plot.py at 2017-12-05 17:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 316.75 Mbit/s
95th percentile per-packet one-way delay: 17.591 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 316.75 Mbit/s
95th percentile per-packet one-way delay: 17.591 ms
Loss rate: 0.00%
```

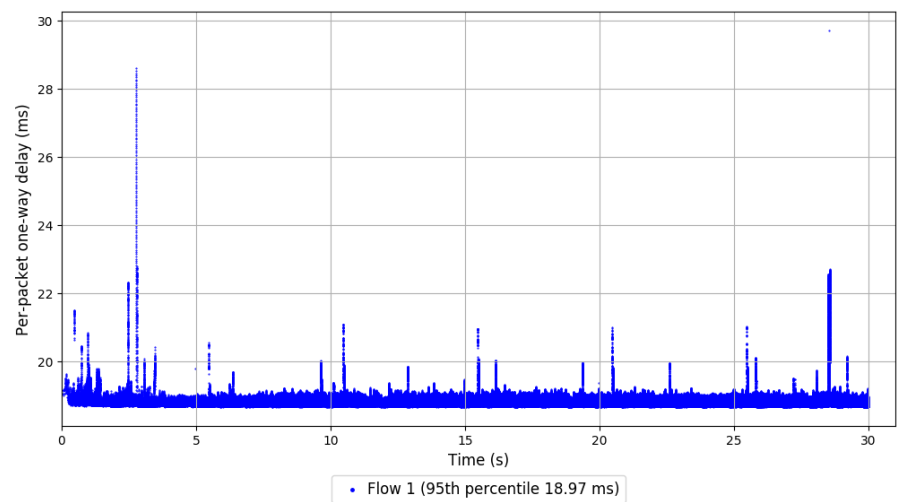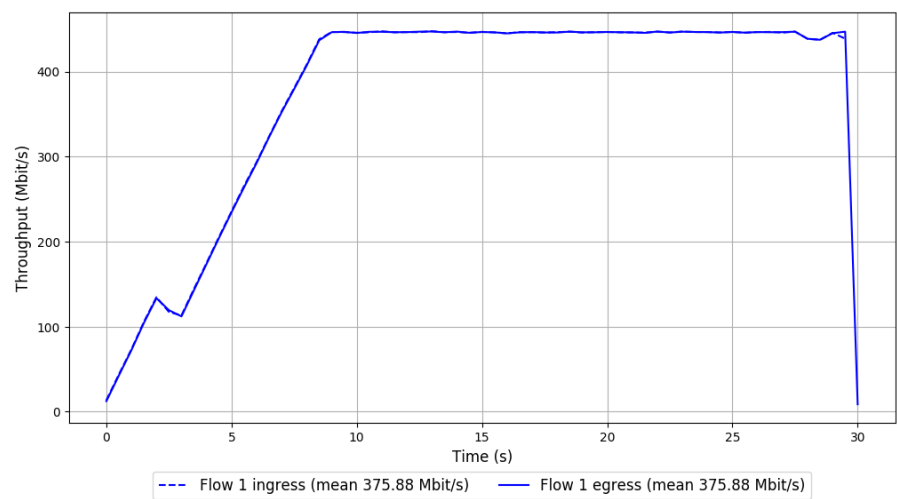Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2017-12-05 13:25:40
End at: 2017-12-05 13:26:10
Local clock offset: 0.712 ms
Remote clock offset: -2.134 ms


# Below is generated by plot.py at 2017-12-05 17:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 331.18 Mbit/s
95th percentile per-packet one-way delay: 19.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 331.18 Mbit/s
95th percentile per-packet one-way delay: 19.003 ms
Loss rate: 0.00%
```
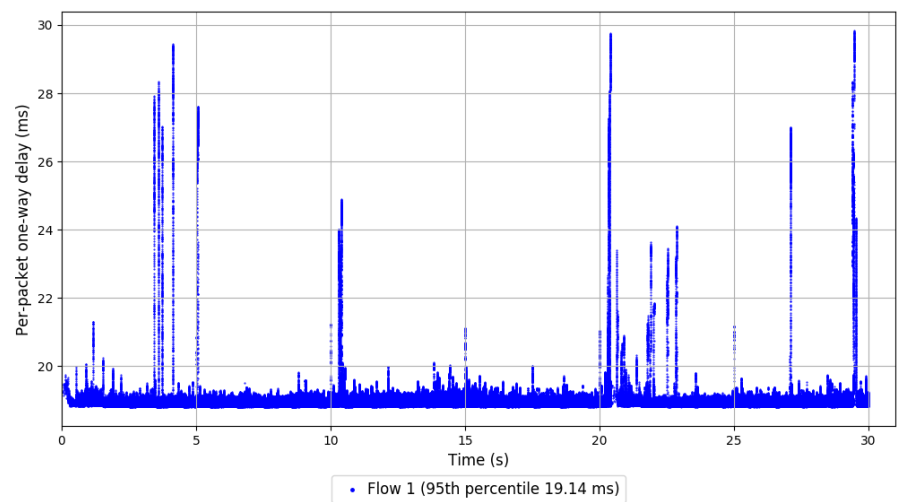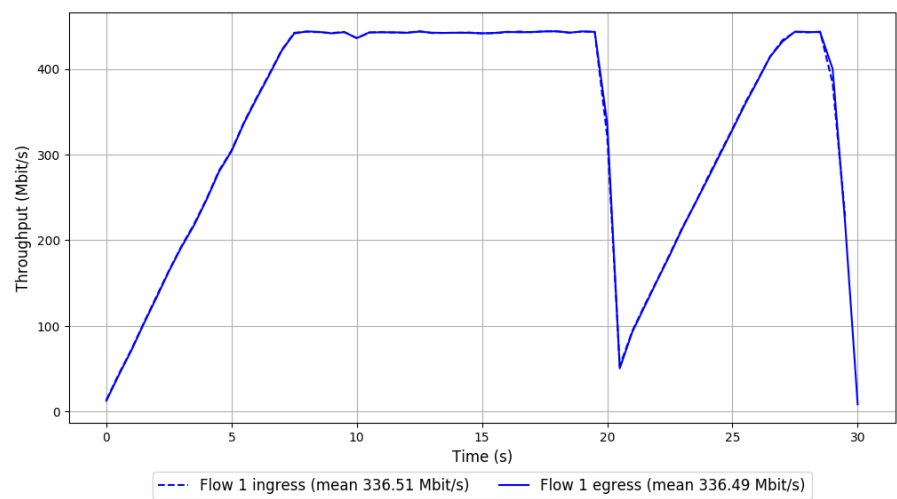
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: 2017-12-05 13:44:28
End at: 2017-12-05 13:44:58
Local clock offset: 0.823 ms
Remote clock offset: -2.069 ms


# Below is generated by plot.py at 2017-12-05 17:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 375.88 Mbit/s
95th percentile per-packet one-way delay: 18.966 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 375.88 Mbit/s
95th percentile per-packet one-way delay: 18.966 ms
Loss rate: 0.00%
```
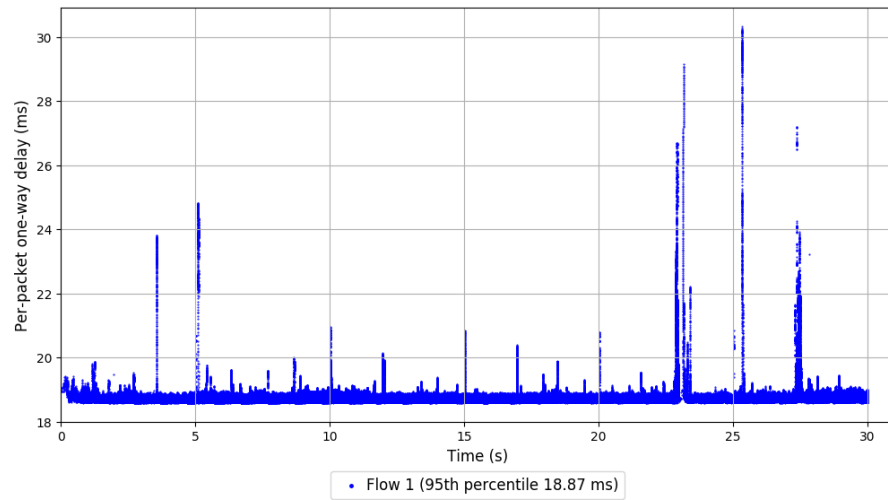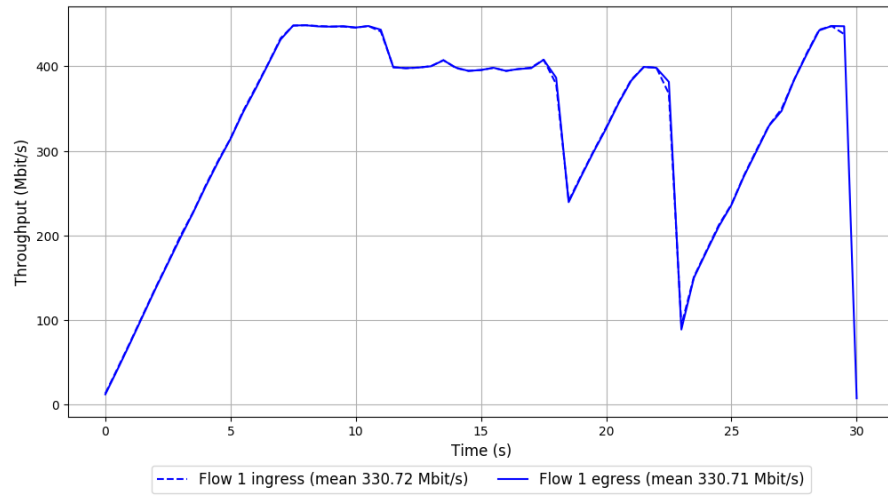
Run 3: Report of LEDBAT — Data Link

```
Run 4: Statistics of LEDBAT

Start at: 2017-12-05 14:03:23
End at: 2017-12-05 14:03:54
Local clock offset: 0.898 ms
Remote clock offset: -2.033 ms


# Below is generated by plot.py at 2017-12-05 17:55:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 336.49 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 336.49 Mbit/s
95th percentile per-packet one-way delay: 19.144 ms
Loss rate: 0.01%
```
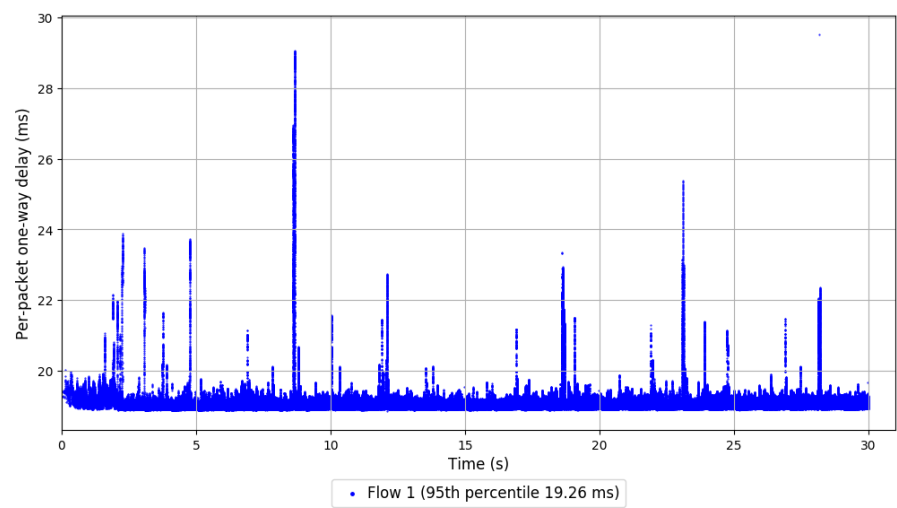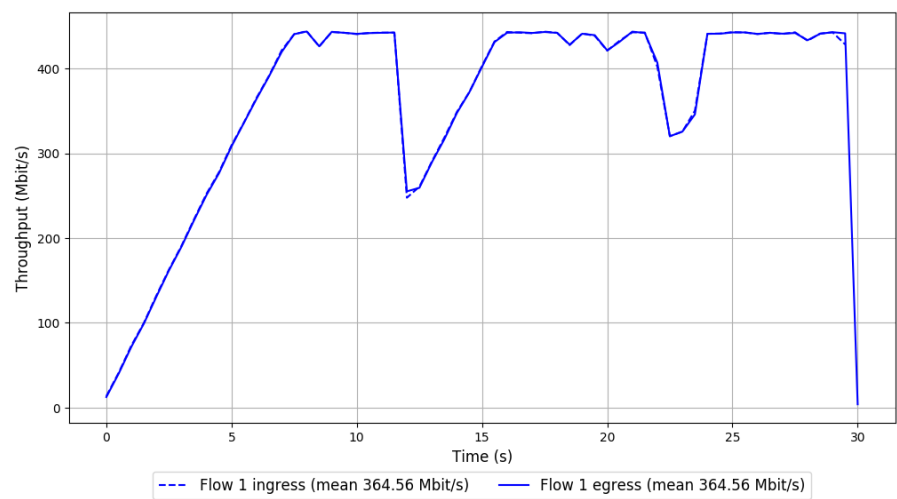
Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2017-12-05 14:22:26
End at: 2017-12-05 14:22:56
Local clock offset: 0.994 ms
Remote clock offset: -2.245 ms


# Below is generated by plot.py at 2017-12-05 17:57:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 330.71 Mbit/s
95th percentile per-packet one-way delay: 18.868 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 330.71 Mbit/s
95th percentile per-packet one-way delay: 18.868 ms
Loss rate: 0.01%
```
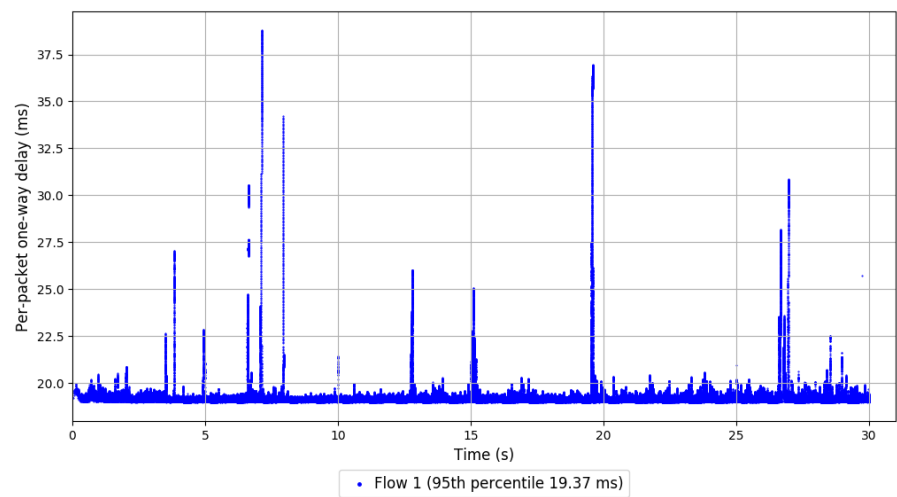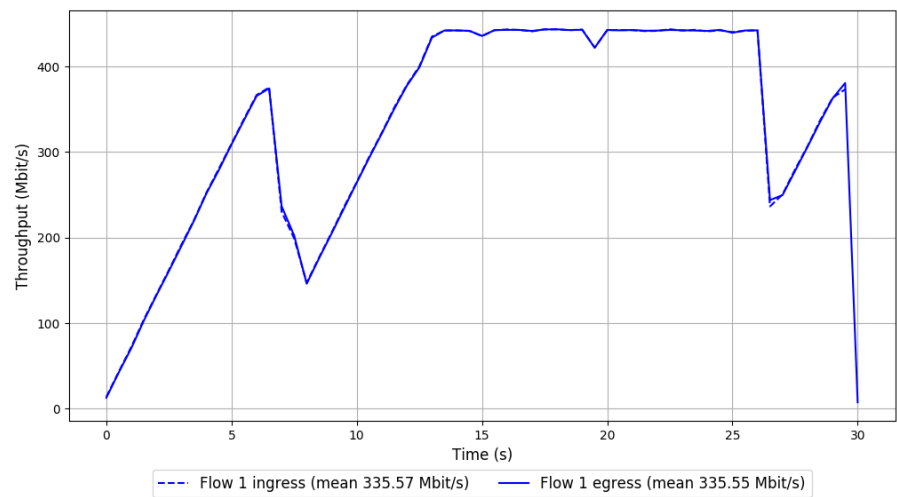
Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2017-12-05 14:41:20
End at: 2017-12-05 14:41:50
Local clock offset: 1.421 ms
Remote clock offset: -2.235 ms


# Below is generated by plot.py at 2017-12-05 17:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 364.56 Mbit/s
95th percentile per-packet one-way delay: 19.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 364.56 Mbit/s
95th percentile per-packet one-way delay: 19.263 ms
Loss rate: 0.00%
```
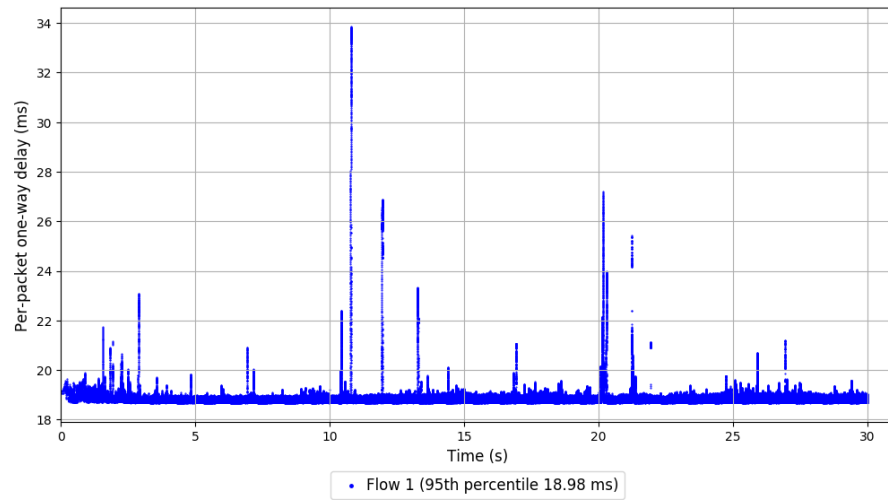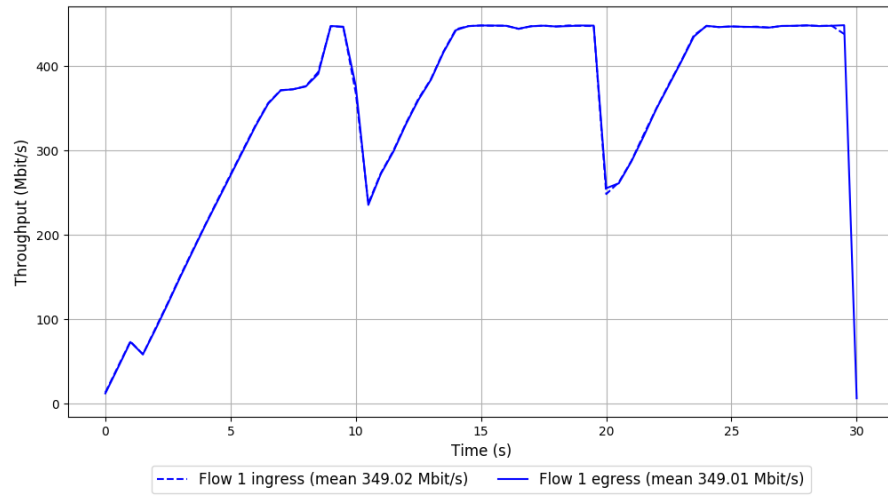
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 364.56 Mbit/s) --- Flow 1 egress (mean 364.56 Mbit/s)

Flow 1 (95th percentile 19.26 ms)

```
Run 7: Statistics of LEDBAT

Start at: 2017-12-05 15:00:22
End at: 2017-12-05 15:00:52
Local clock offset: 1.921 ms
Remote clock offset: -1.813 ms


# Below is generated by plot.py at 2017-12-05 17:58:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 335.55 Mbit/s
95th percentile per-packet one-way delay: 19.368 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 335.55 Mbit/s
95th percentile per-packet one-way delay: 19.368 ms
Loss rate: 0.01%
```

Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 335.57 Mbit/s)   Flow 1 egress (mean 335.55 Mbit/s)

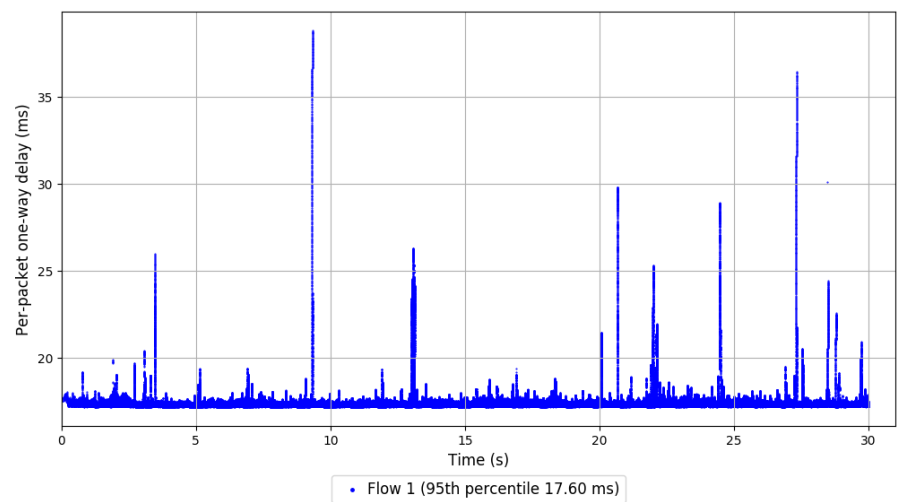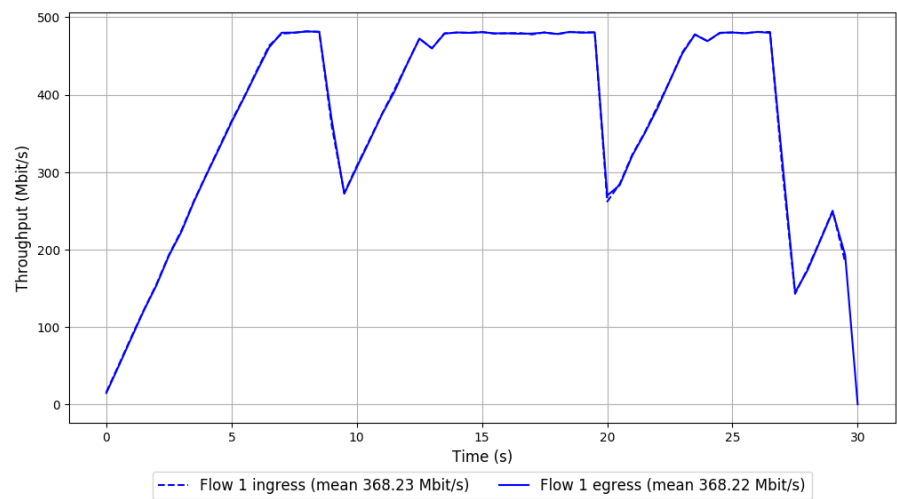Flow 1 (95th percentile 19.37 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2017-12-05 15:19:10
End at: 2017-12-05 15:19:40
Local clock offset: 2.119 ms
Remote clock offset: -1.828 ms


# Below is generated by plot.py at 2017-12-05 17:59:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 349.01 Mbit/s
95th percentile per-packet one-way delay: 18.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 349.01 Mbit/s
95th percentile per-packet one-way delay: 18.977 ms
Loss rate: 0.00%
```
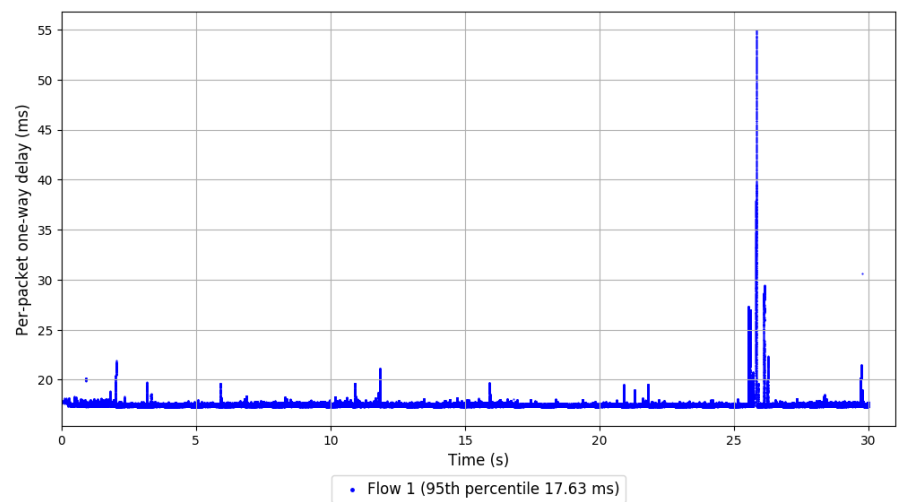
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 349.02 Mbit/s)   Flow 1 egress (mean 349.01 Mbit/s)

Flow 1 (95th percentile 18.98 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2017-12-05 15:38:01
End at: 2017-12-05 15:38:31
Local clock offset: 2.172 ms
Remote clock offset: -2.031 ms


# Below is generated by plot.py at 2017-12-05 17:59:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 368.22 Mbit/s
95th percentile per-packet one-way delay: 17.600 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 368.22 Mbit/s
95th percentile per-packet one-way delay: 17.600 ms
Loss rate: 0.00%
```
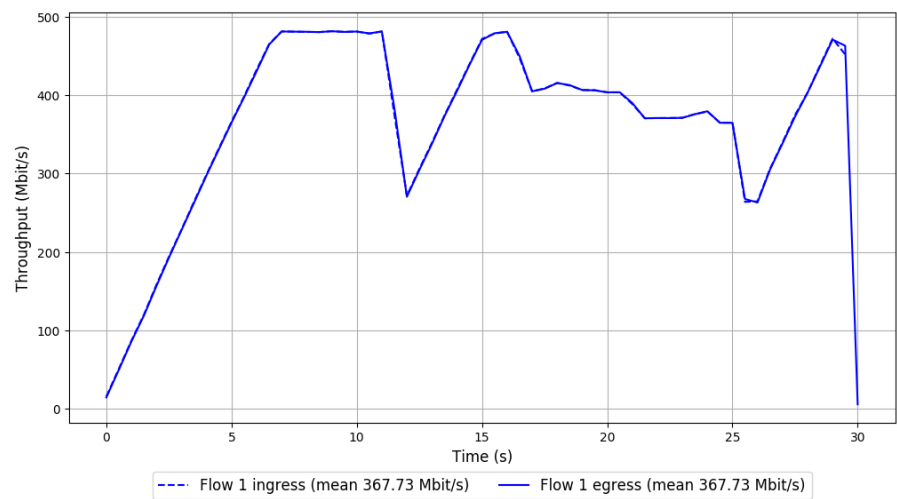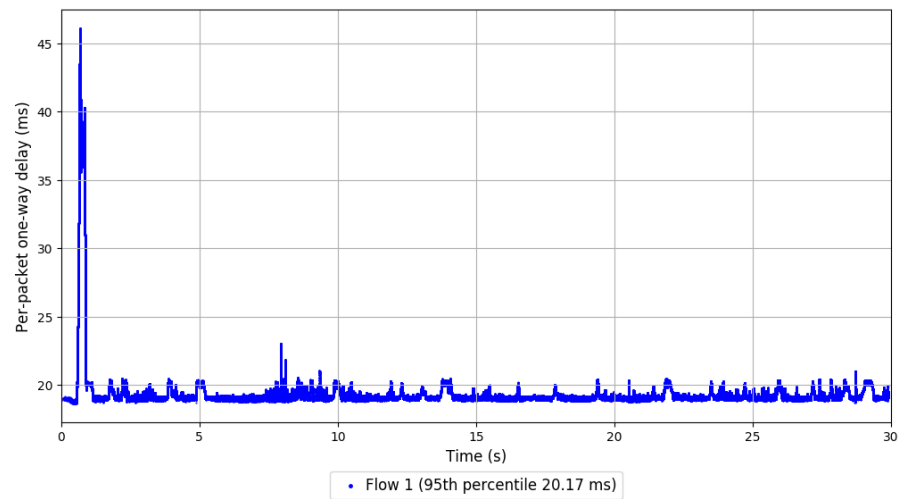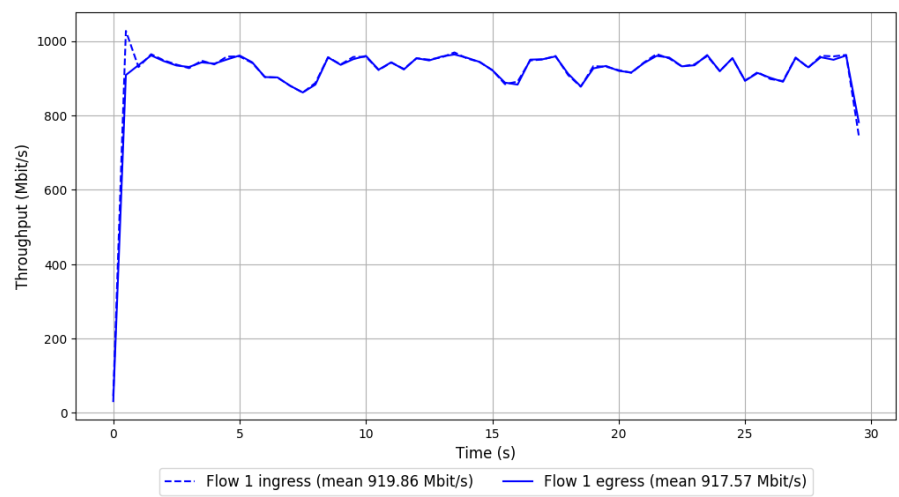
Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 368.23 Mbit/s)   Flow 1 egress (mean 368.22 Mbit/s)

Flow 1 (95th percentile 17.60 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2017-12-05 15:56:54
End at: 2017-12-05 15:57:24
Local clock offset: 2.386 ms
Remote clock offset: -1.921 ms


# Below is generated by plot.py at 2017-12-05 17:59:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 367.73 Mbit/s
95th percentile per-packet one-way delay: 17.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 367.73 Mbit/s
95th percentile per-packet one-way delay: 17.632 ms
Loss rate: 0.00%
```
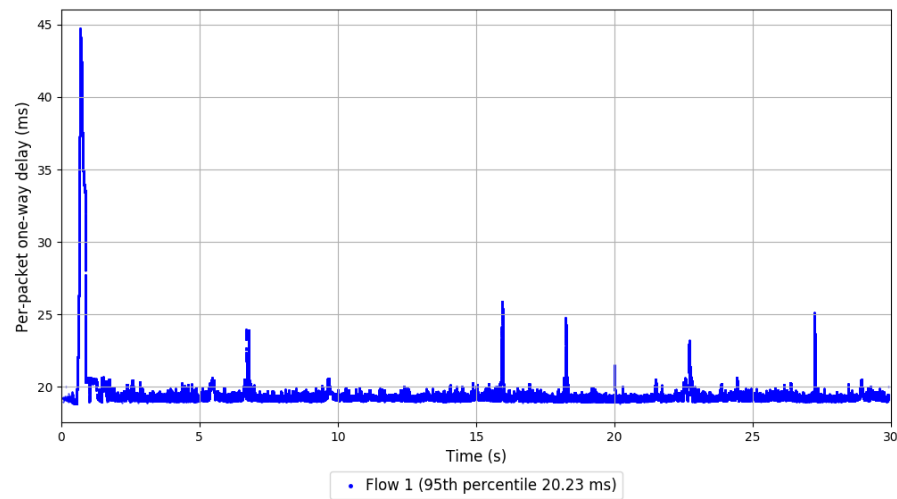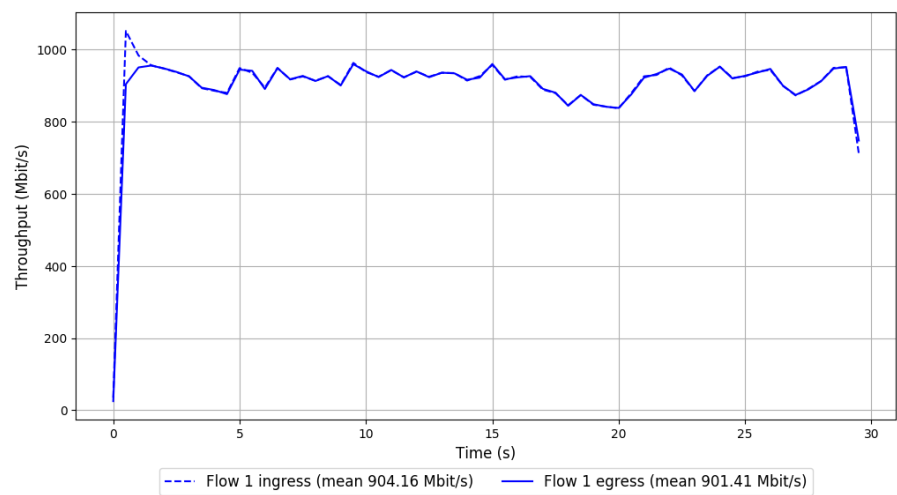
Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 367.73 Mbit/s) — — — Flow 1 egress (mean 367.73 Mbit/s)
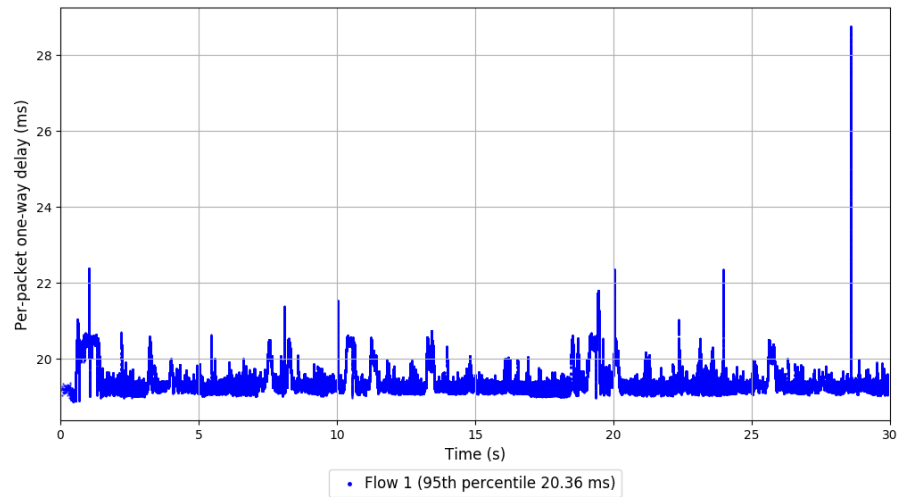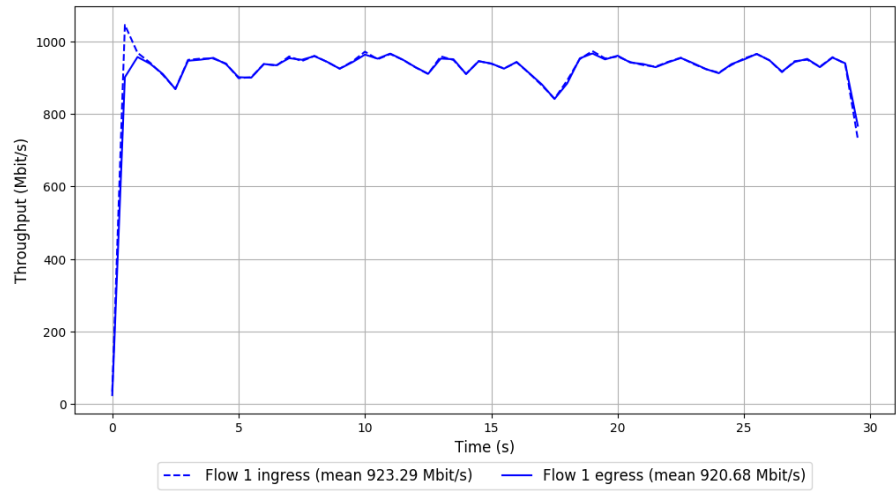

Flow 1 (95th percentile 17.63 ms)

```
Run 1: Statistics of PCC

Start at: 2017-12-05 13:13:20
End at: 2017-12-05 13:13:50
Local clock offset: 0.737 ms
Remote clock offset: -1.946 ms

# Below is generated by plot.py at 2017-12-05 18:08:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 917.57 Mbit/s
95th percentile per-packet one-way delay: 20.172 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 917.57 Mbit/s
95th percentile per-packet one-way delay: 20.172 ms
Loss rate: 0.25%
```

Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: 2017-12-05 13:32:07
End at: 2017-12-05 13:32:37
Local clock offset: 0.811 ms
Remote clock offset: -2.26 ms


# Below is generated by plot.py at 2017-12-05 18:09:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 901.41 Mbit/s
95th percentile per-packet one-way delay: 20.232 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 901.41 Mbit/s
95th percentile per-packet one-way delay: 20.232 ms
Loss rate: 0.30%
```
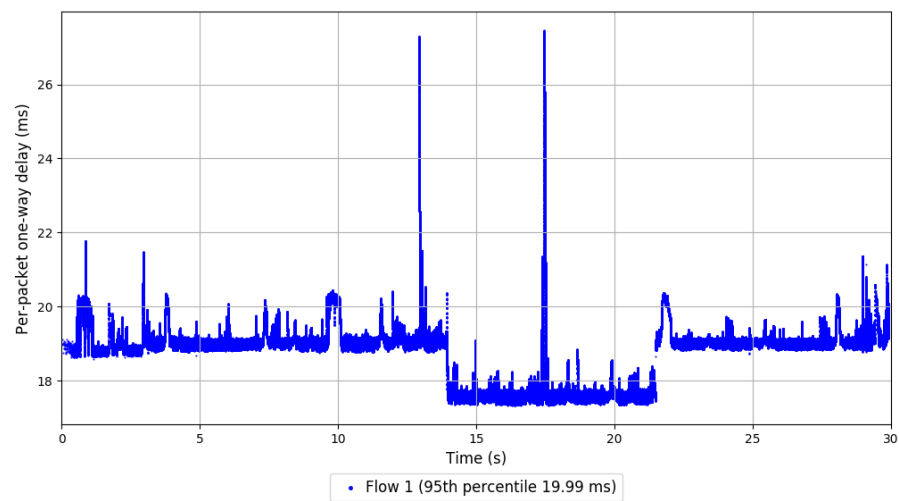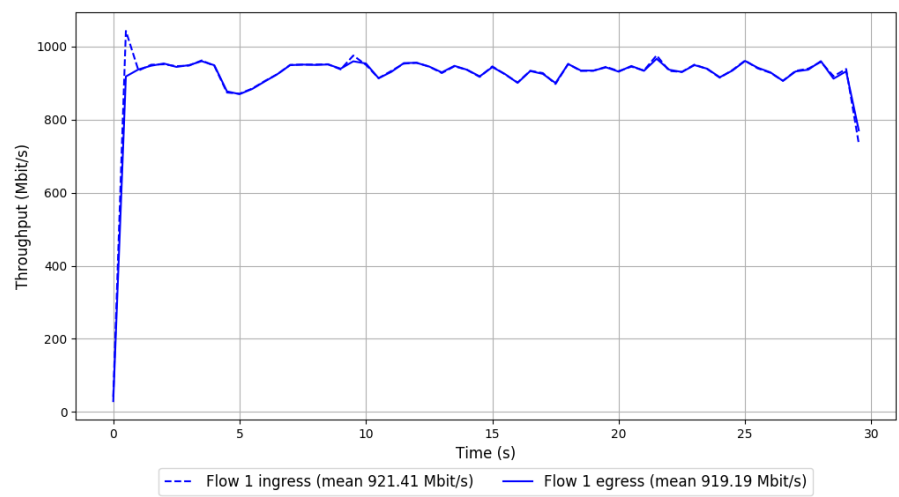
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 904.16 Mbit/s) ---- Flow 1 egress (mean 901.41 Mbit/s) ——

Flow 1 (95th percentile 20.23 ms)

```
Run 3: Statistics of PCC

Start at: 2017-12-05 13:51:00
End at: 2017-12-05 13:51:30
Local clock offset: 0.782 ms
Remote clock offset: -2.164 ms


# Below is generated by plot.py at 2017-12-05 18:11:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 920.68 Mbit/s
95th percentile per-packet one-way delay: 20.364 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 920.68 Mbit/s
95th percentile per-packet one-way delay: 20.364 ms
Loss rate: 0.28%
```
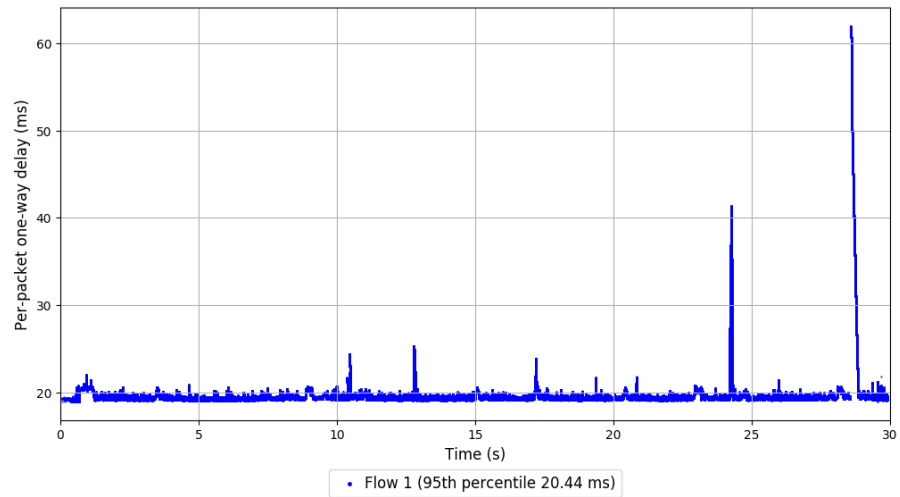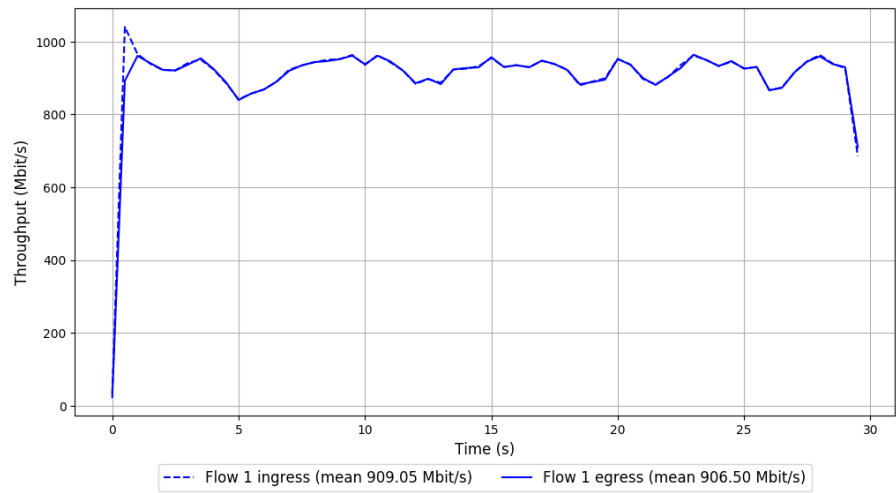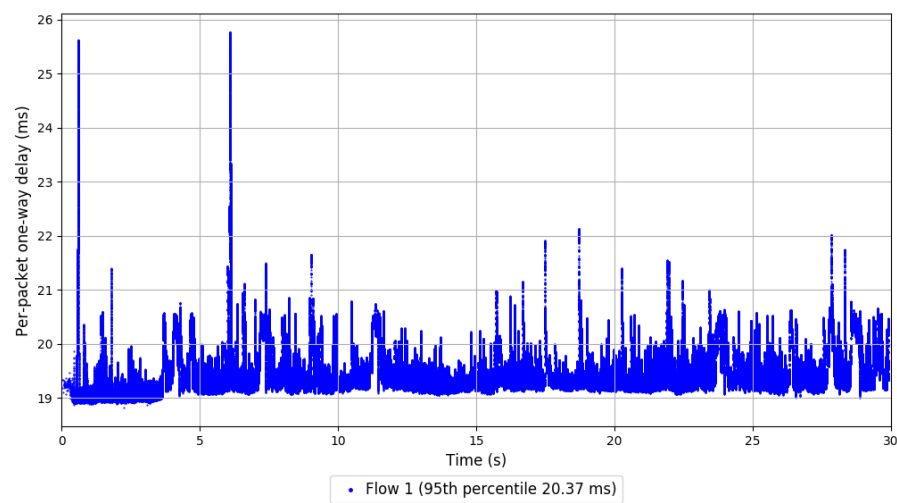
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 923.29 Mbit/s) --- Flow 1 egress (mean 920.68 Mbit/s)

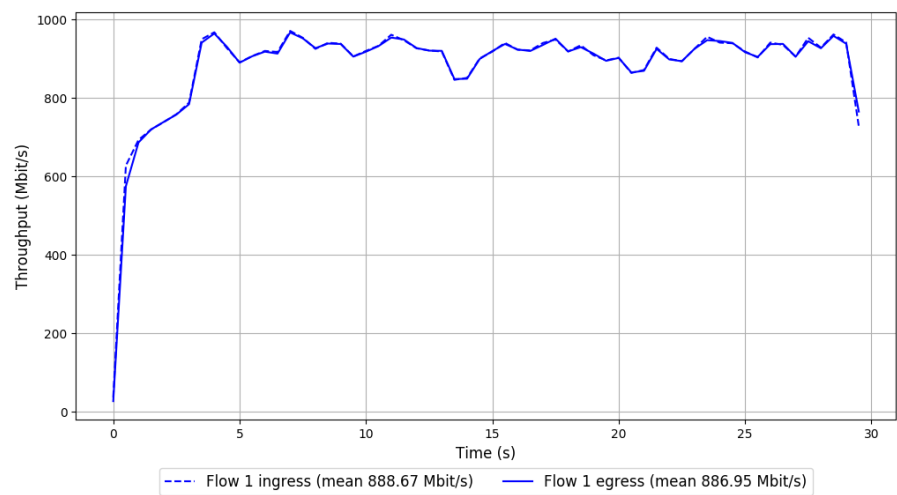

• Flow 1 (95th percentile 20.36 ms)

```
Run 4: Statistics of PCC

Start at: 2017-12-05 14:09:56
End at: 2017-12-05 14:10:26
Local clock offset: 0.844 ms
Remote clock offset: -2.138 ms


# Below is generated by plot.py at 2017-12-05 18:12:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 919.19 Mbit/s
95th percentile per-packet one-way delay: 19.988 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 919.19 Mbit/s
95th percentile per-packet one-way delay: 19.988 ms
Loss rate: 0.24%
```

Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 921.41 Mbit/s) --- Flow 1 egress (mean 919.19 Mbit/s)
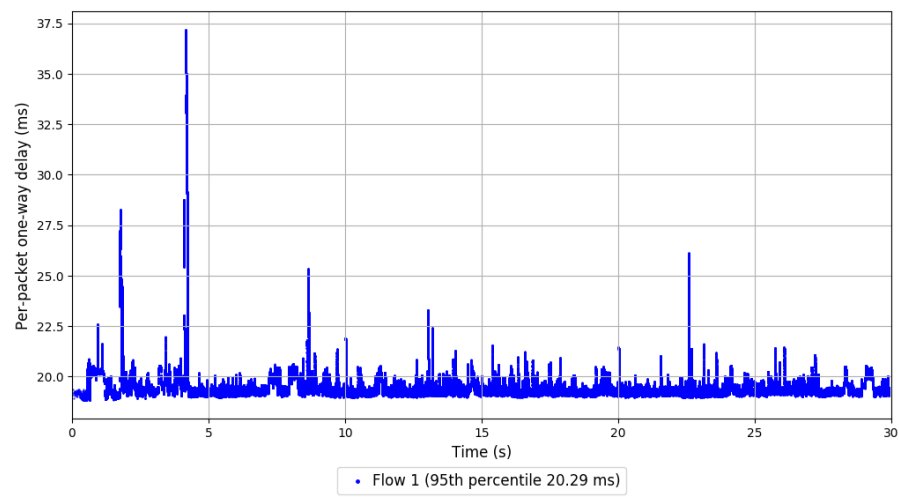

Flow 1 (95th percentile 19.99 ms)

71

```
Run 5: Statistics of PCC

Start at: 2017-12-05 14:28:54
End at: 2017-12-05 14:29:24
Local clock offset: 1.053 ms
Remote clock offset: -2.274 ms


# Below is generated by plot.py at 2017-12-05 18:12:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 906.50 Mbit/s
95th percentile per-packet one-way delay: 20.443 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 906.50 Mbit/s
95th percentile per-packet one-way delay: 20.443 ms
Loss rate: 0.28%
```
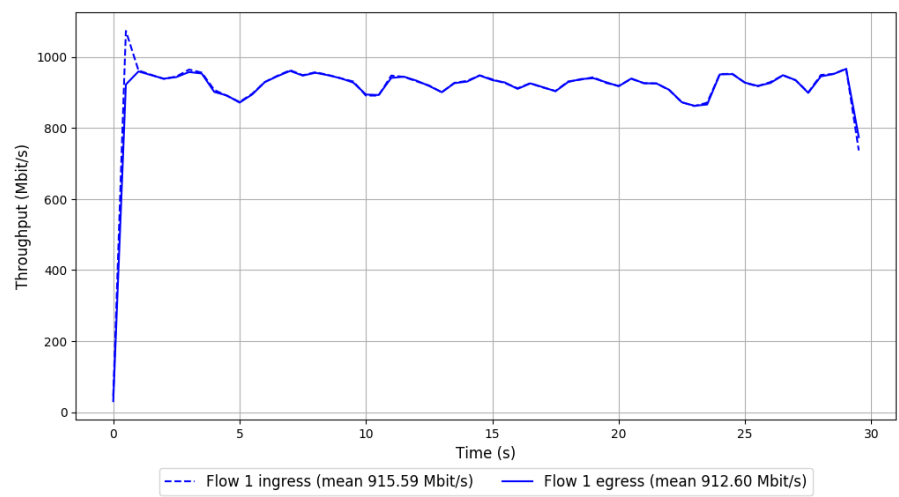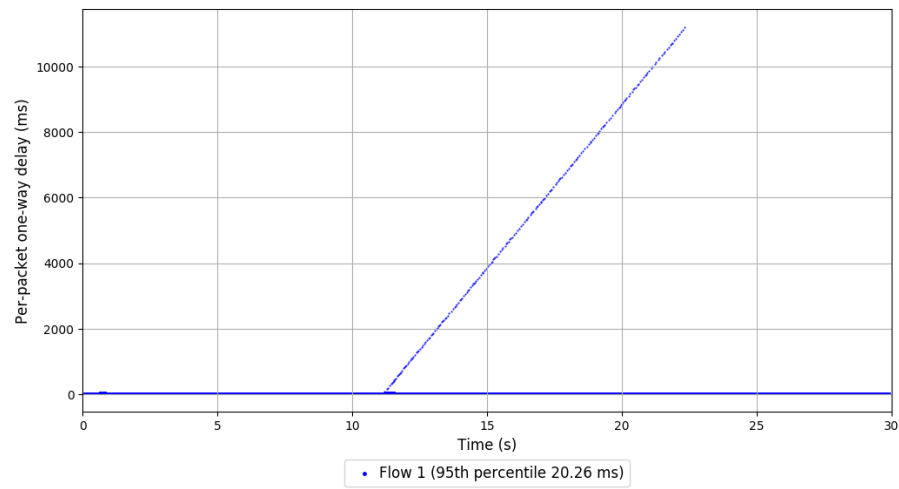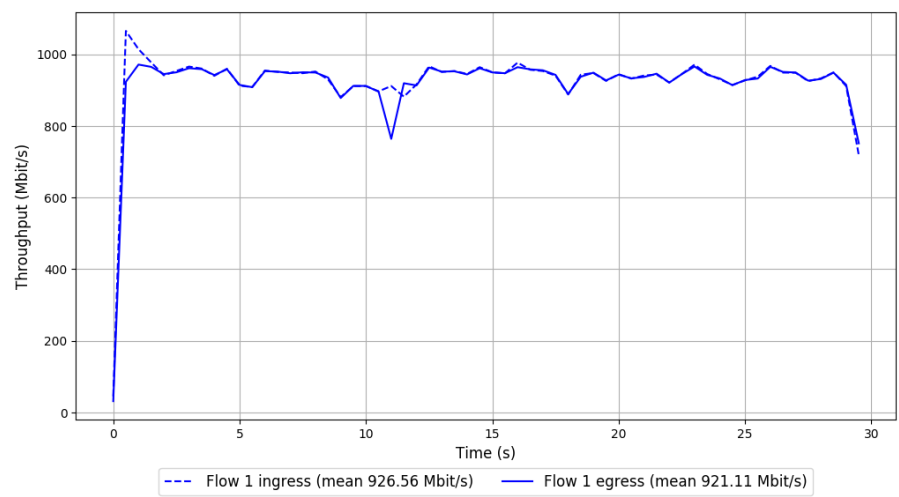
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 909.05 Mbit/s) — Flow 1 egress (mean 906.50 Mbit/s)

Flow 1 (95th percentile 20.44 ms)

```
Run 6: Statistics of PCC

Start at: 2017-12-05 14:47:55
End at: 2017-12-05 14:48:25
Local clock offset: 1.633 ms
Remote clock offset: -2.274 ms


# Below is generated by plot.py at 2017-12-05 18:12:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 886.95 Mbit/s
95th percentile per-packet one-way delay: 20.366 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 886.95 Mbit/s
95th percentile per-packet one-way delay: 20.366 ms
Loss rate: 0.19%
```
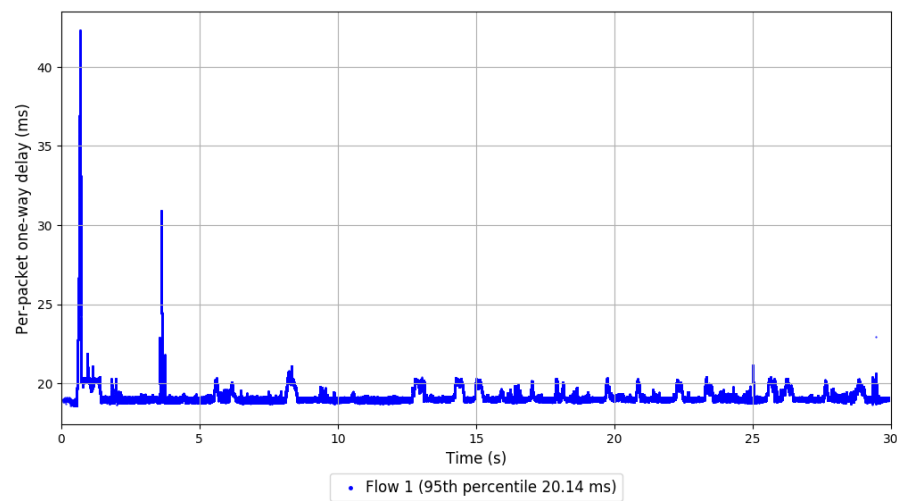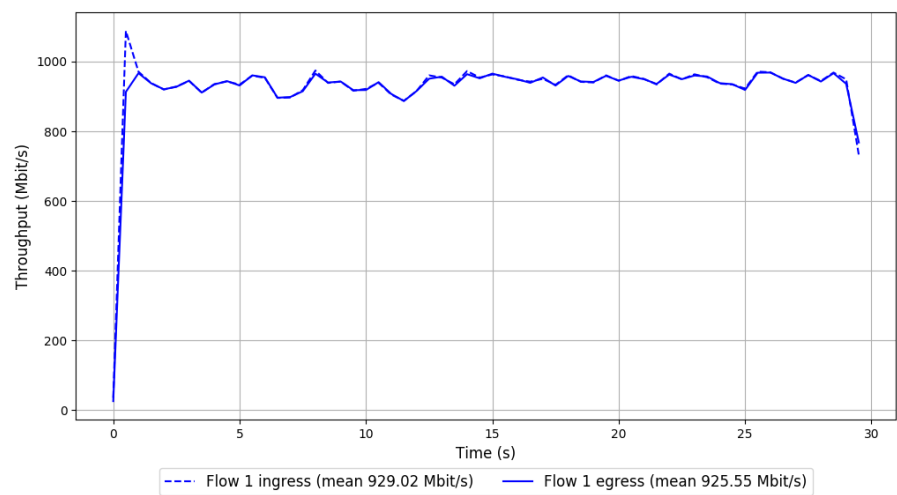
Run 6: Report of PCC — Data Link

```
Run 7: Statistics of PCC

Start at: 2017-12-05 15:06:51
End at: 2017-12-05 15:07:21
Local clock offset: 2.074 ms
Remote clock offset: -1.747 ms


# Below is generated by plot.py at 2017-12-05 18:12:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 912.60 Mbit/s
95th percentile per-packet one-way delay: 20.291 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 912.60 Mbit/s
95th percentile per-packet one-way delay: 20.291 ms
Loss rate: 0.33%
```
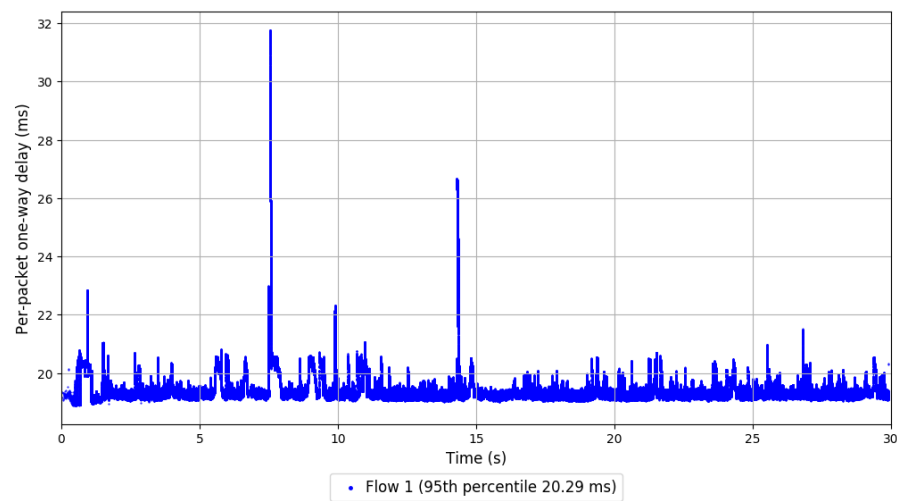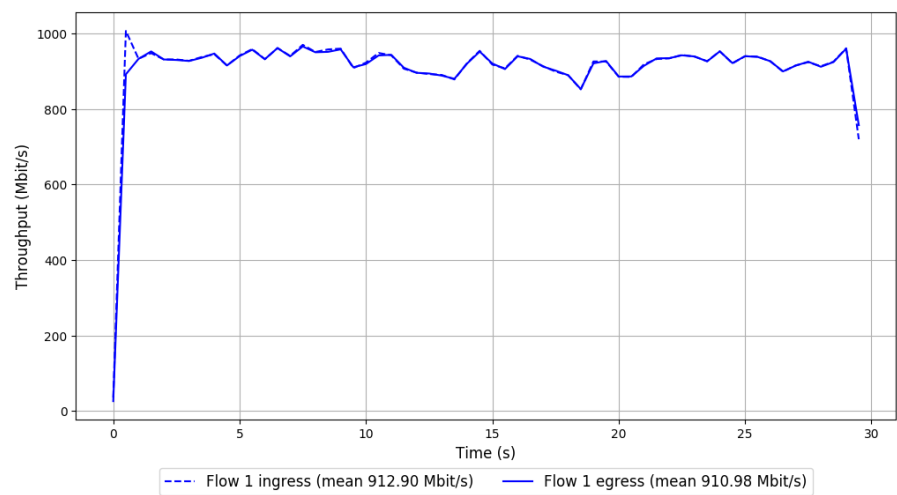
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 915.59 Mbit/s)   Flow 1 egress (mean 912.60 Mbit/s)

• Flow 1 (95th percentile 20.29 ms)

```
Run 8: Statistics of PCC

Start at: 2017-12-05 15:25:43
End at: 2017-12-05 15:26:13
Local clock offset: 2.067 ms
Remote clock offset: -1.907 ms


# Below is generated by plot.py at 2017-12-05 18:13:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 921.11 Mbit/s
95th percentile per-packet one-way delay: 20.256 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 921.11 Mbit/s
95th percentile per-packet one-way delay: 20.256 ms
Loss rate: 0.58%
```

Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 926.56 Mbit/s) --- Flow 1 egress (mean 921.11 Mbit/s)

• Flow 1 (95th percentile 20.26 ms)

79

```
Run 9: Statistics of PCC

Start at: 2017-12-05 15:44:35
End at: 2017-12-05 15:45:05
Local clock offset: 2.22 ms
Remote clock offset: -1.908 ms


# Below is generated by plot.py at 2017-12-05 18:23:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 925.55 Mbit/s
95th percentile per-packet one-way delay: 20.135 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 925.55 Mbit/s
95th percentile per-packet one-way delay: 20.135 ms
Loss rate: 0.37%
```
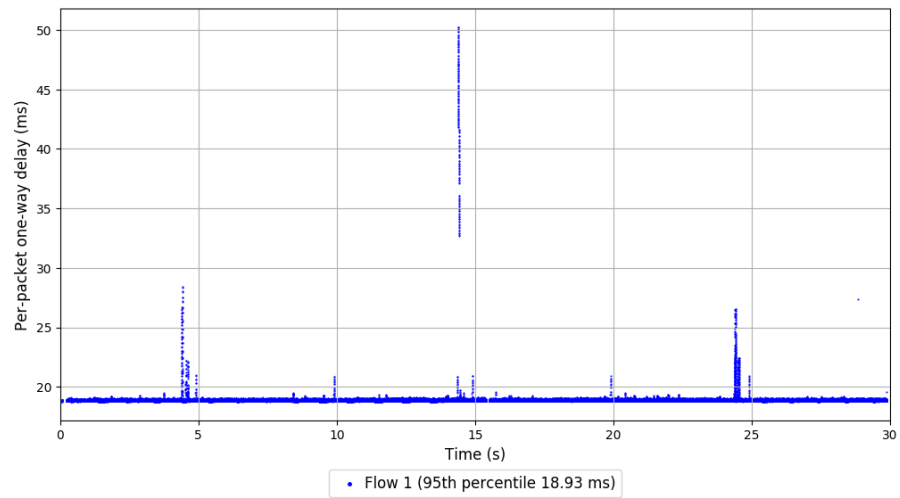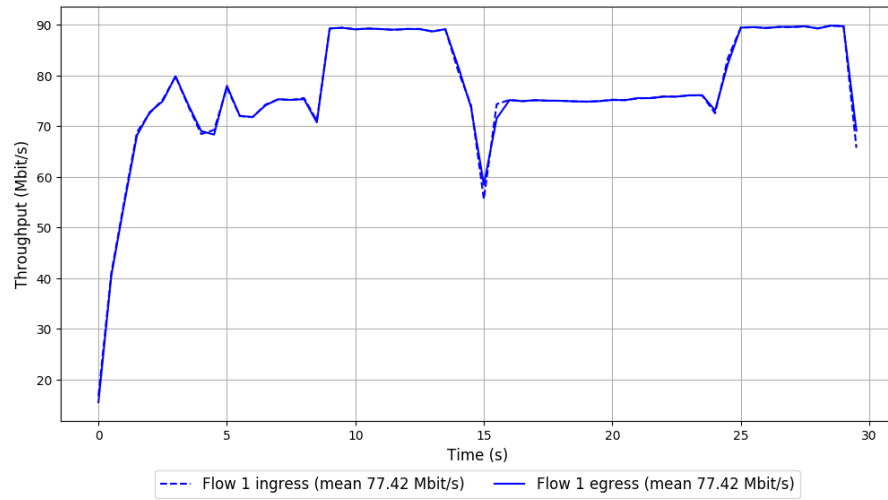
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 929.02 Mbit/s) ----- Flow 1 egress (mean 925.55 Mbit/s)

Flow 1 (95th percentile 20.14 ms)

```
Run 10: Statistics of PCC

Start at: 2017-12-05 16:03:27
End at: 2017-12-05 16:03:57
Local clock offset: 2.57 ms
Remote clock offset: -1.793 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 910.98 Mbit/s
95th percentile per-packet one-way delay: 20.286 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 910.98 Mbit/s
95th percentile per-packet one-way delay: 20.286 ms
Loss rate: 0.21%
```
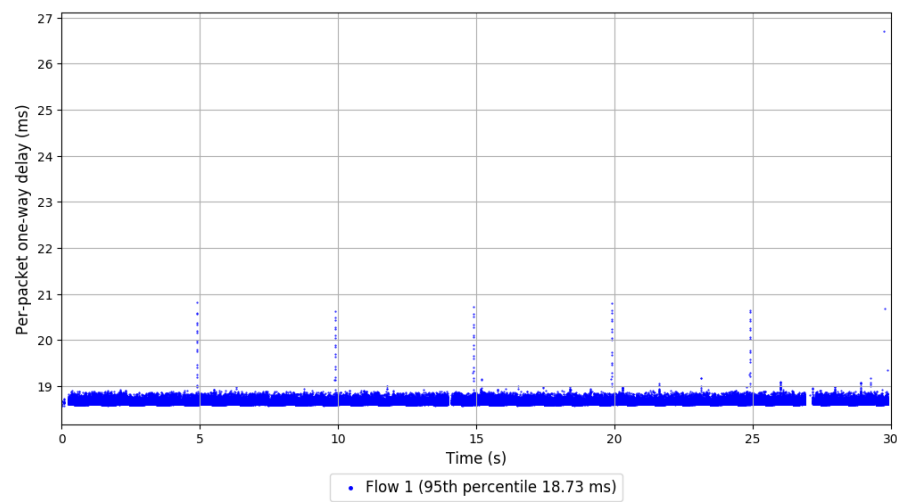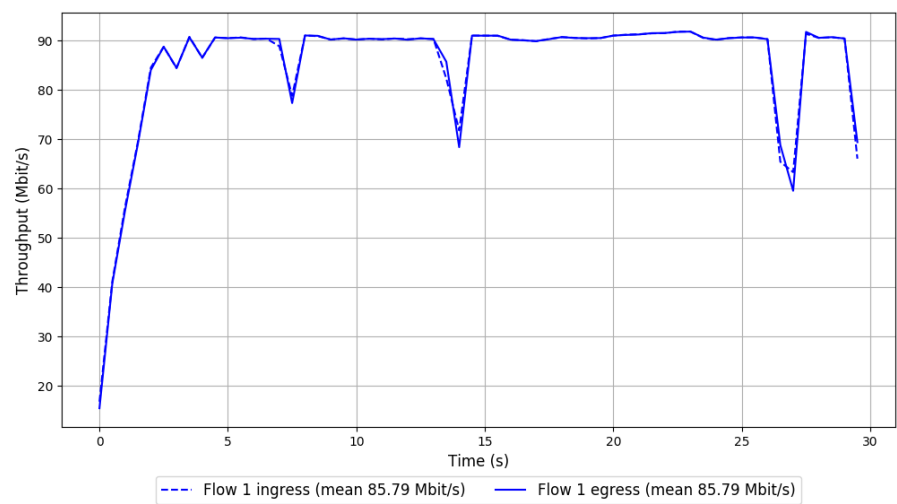
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 912.90 Mbit/s)   Flow 1 egress (mean 910.98 Mbit/s)

Flow 1 (95th percentile 20.29 ms)

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-12-05 13:10:46
End at: 2017-12-05 13:11:16
Local clock offset: 0.758 ms
Remote clock offset: -1.771 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.42 Mbit/s
95th percentile per-packet one-way delay: 18.930 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.42 Mbit/s
95th percentile per-packet one-way delay: 18.930 ms
Loss rate: 0.00%
```
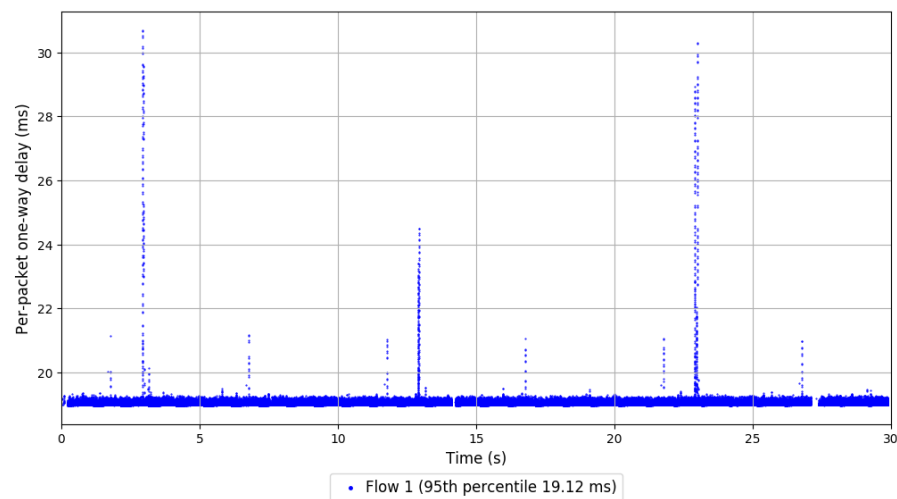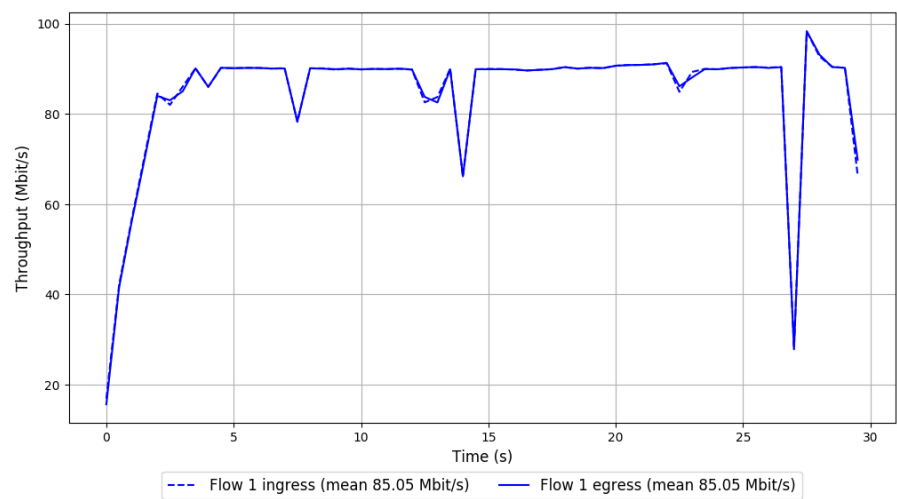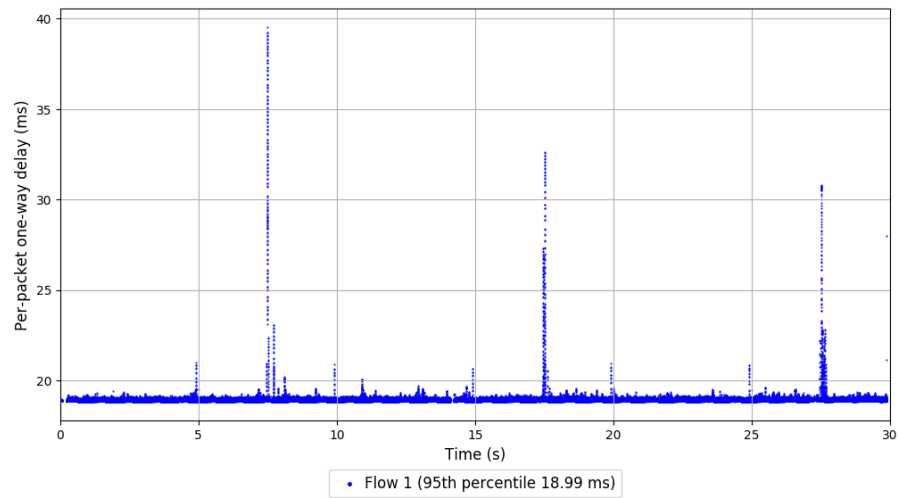
Run 1: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 77.42 Mbit/s)   Flow 1 egress (mean 77.42 Mbit/s)

Flow 1 (95th percentile 18.93 ms)

```
Run 2: Statistics of QUIC Cubic

Start at: 2017-12-05 13:29:33
End at: 2017-12-05 13:30:03
Local clock offset: 0.768 ms
Remote clock offset: -2.258 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 18.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 18.729 ms
Loss rate: 0.00%
```
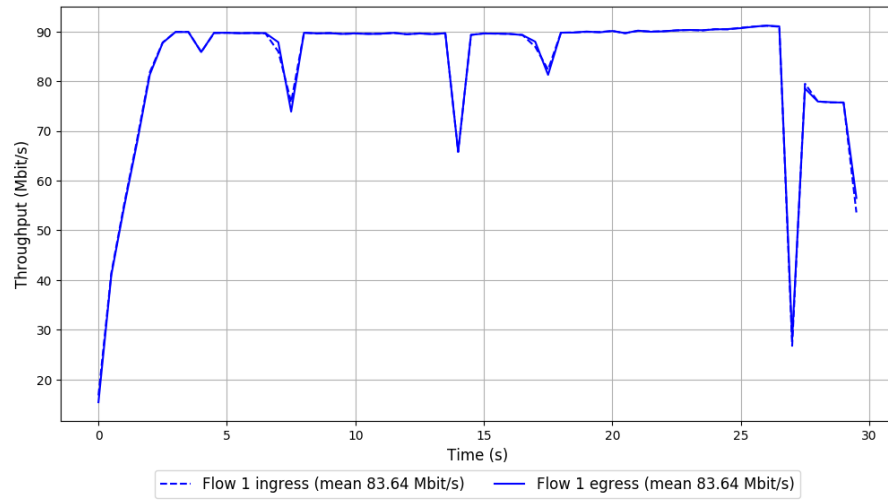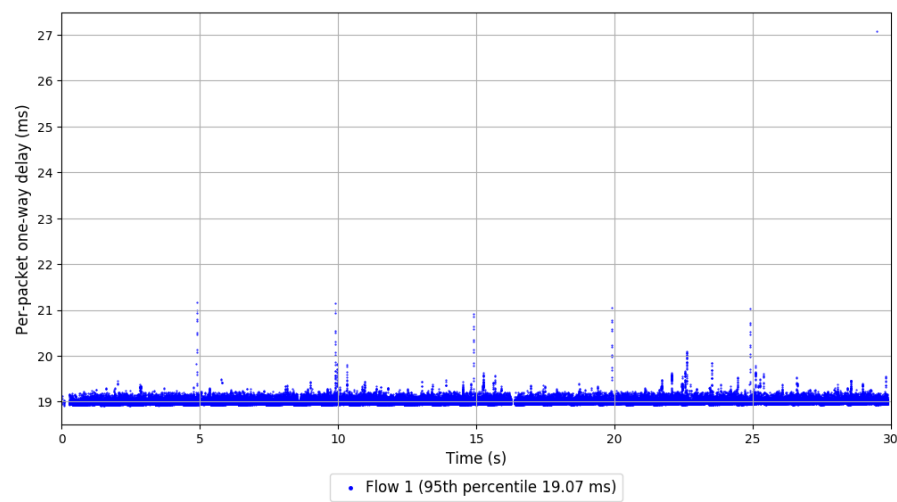
Run 2: Report of QUIC Cubic — Data Link

```
Run 3: Statistics of QUIC Cubic

Start at: 2017-12-05 13:48:26
End at: 2017-12-05 13:48:56
Local clock offset: 0.746 ms
Remote clock offset: -2.052 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 19.119 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 19.119 ms
Loss rate: 0.00%
```
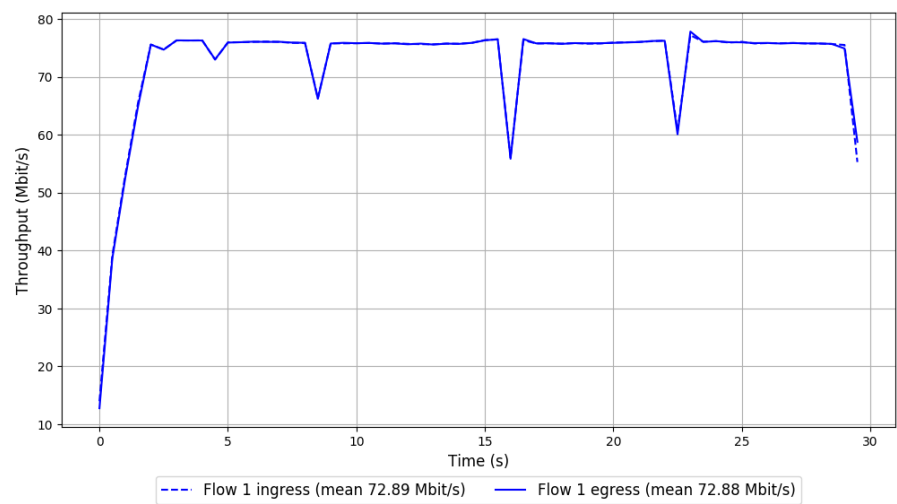
Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-12-05 14:07:21
End at: 2017-12-05 14:07:51
Local clock offset: 0.9 ms
Remote clock offset: -2.103 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 18.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 18.993 ms
Loss rate: 0.00%
```
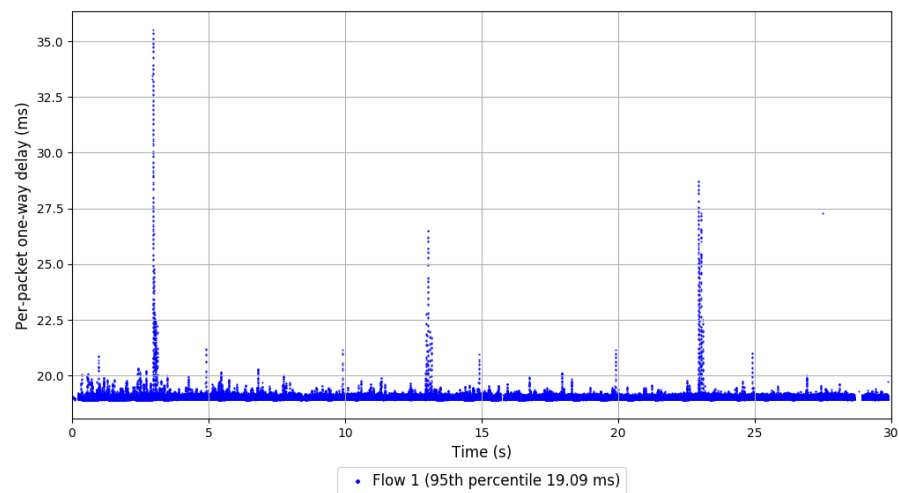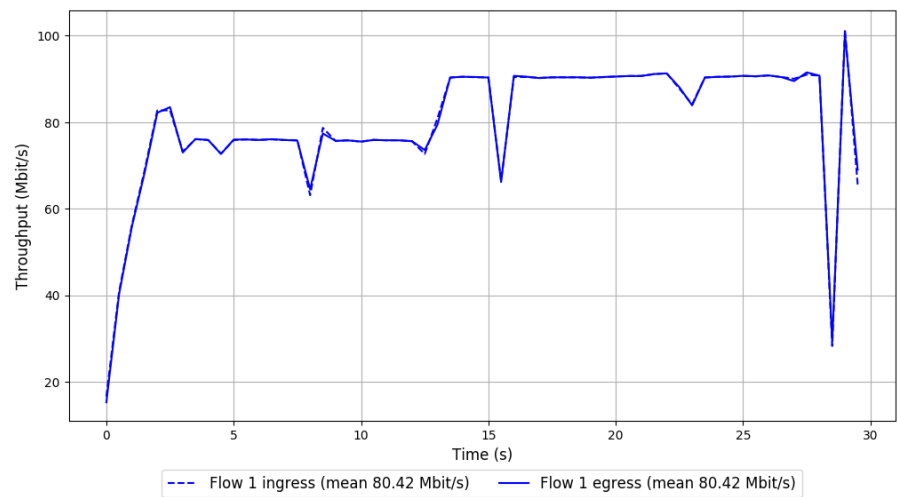
Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 83.64 Mbit/s) ----   Flow 1 egress (mean 83.64 Mbit/s) ——

· Flow 1 (95th percentile 18.99 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2017-12-05 14:26:21
End at: 2017-12-05 14:26:51
Local clock offset: 0.975 ms
Remote clock offset: -2.292 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.88 Mbit/s
95th percentile per-packet one-way delay: 19.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.88 Mbit/s
95th percentile per-packet one-way delay: 19.072 ms
Loss rate: 0.00%
```
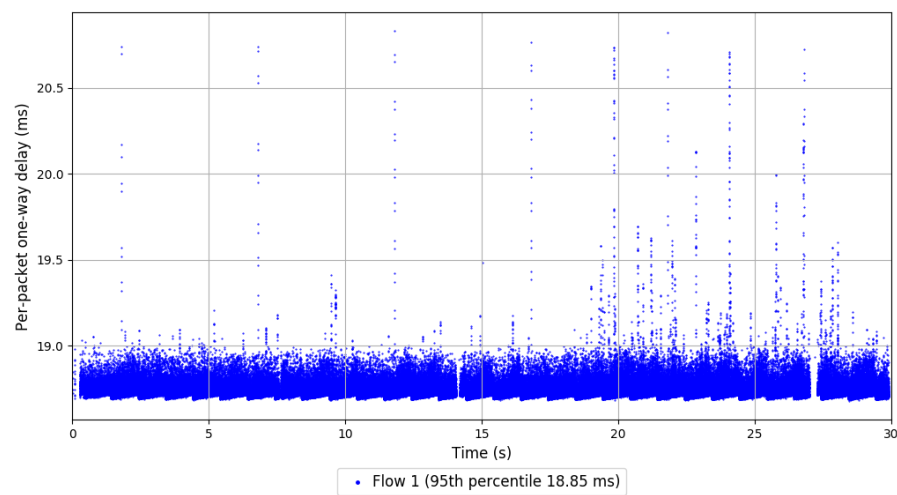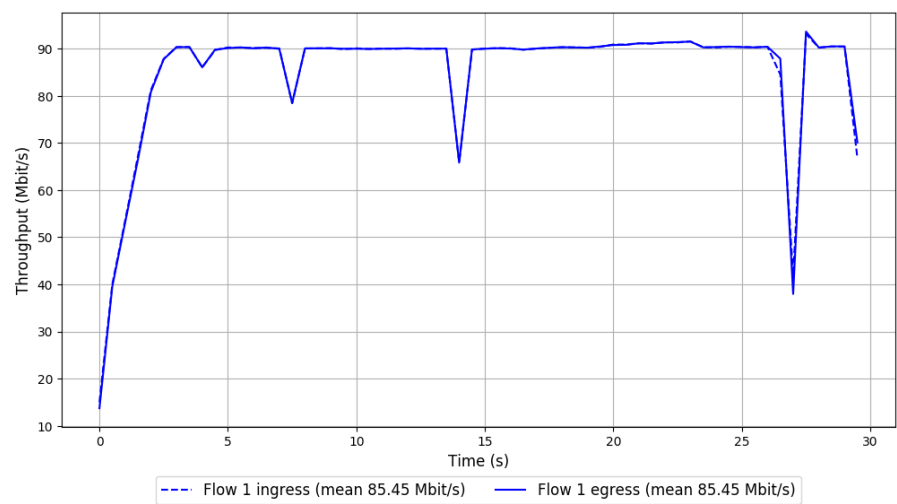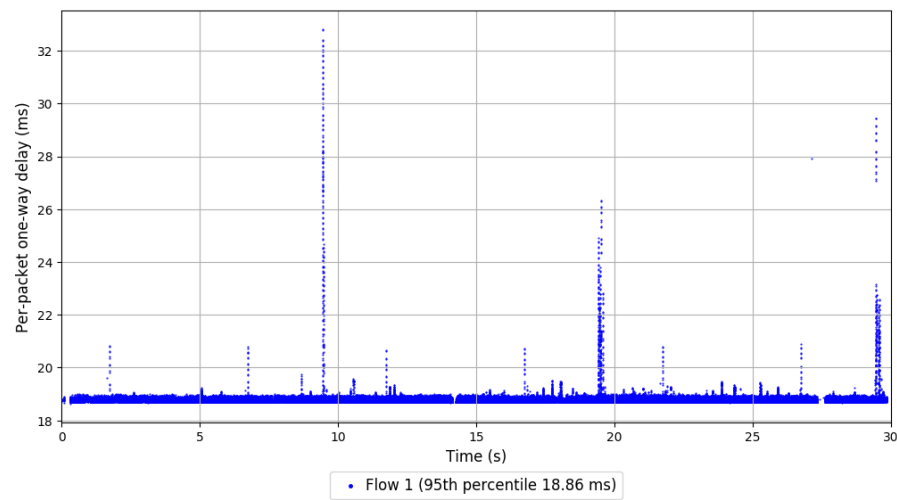
Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 72.89 Mbit/s) — — — Flow 1 egress (mean 72.88 Mbit/s)

• Flow 1 (95th percentile 19.07 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2017-12-05 14:45:21
End at: 2017-12-05 14:45:51
Local clock offset: 1.625 ms
Remote clock offset: -2.23 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 19.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.42 Mbit/s
95th percentile per-packet one-way delay: 19.085 ms
Loss rate: 0.00%
```
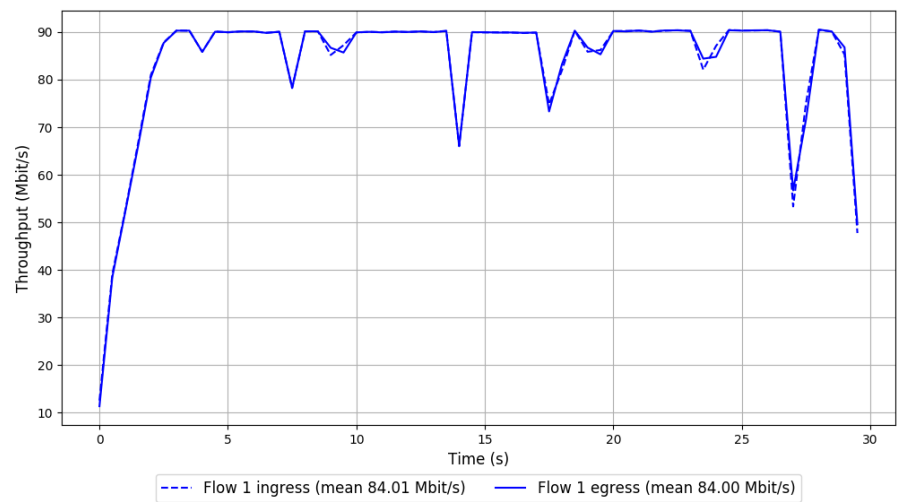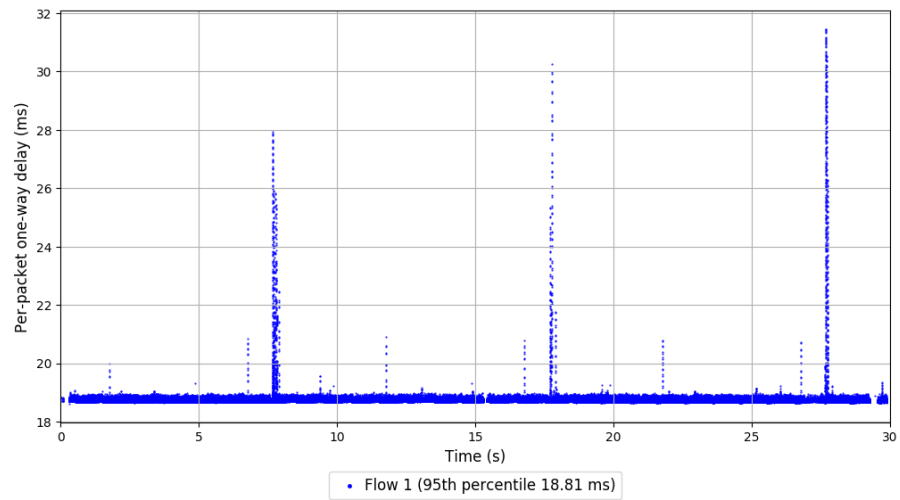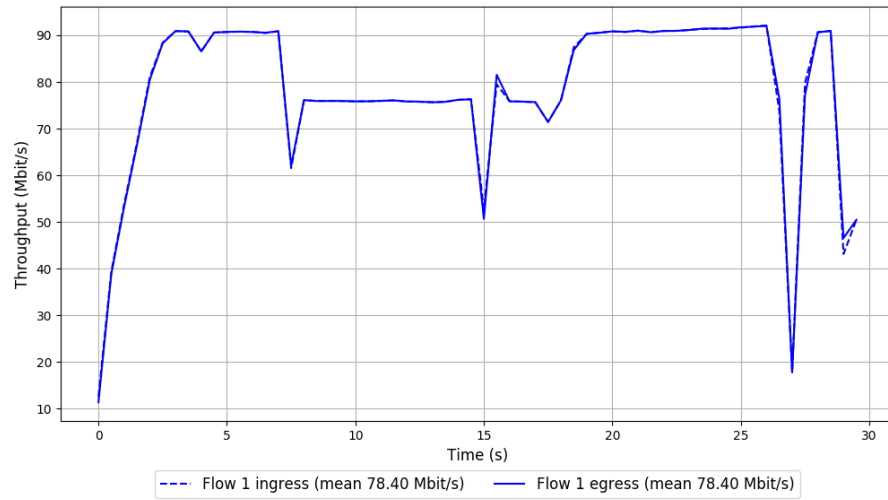
Run 6: Report of QUIC Cubic — Data Link

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

• Flow 1 (95th percentile 19.09 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-12-05 15:04:17
End at: 2017-12-05 15:04:47
Local clock offset: 1.964 ms
Remote clock offset: -1.791 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 18.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.45 Mbit/s
95th percentile per-packet one-way delay: 18.852 ms
Loss rate: 0.00%
```
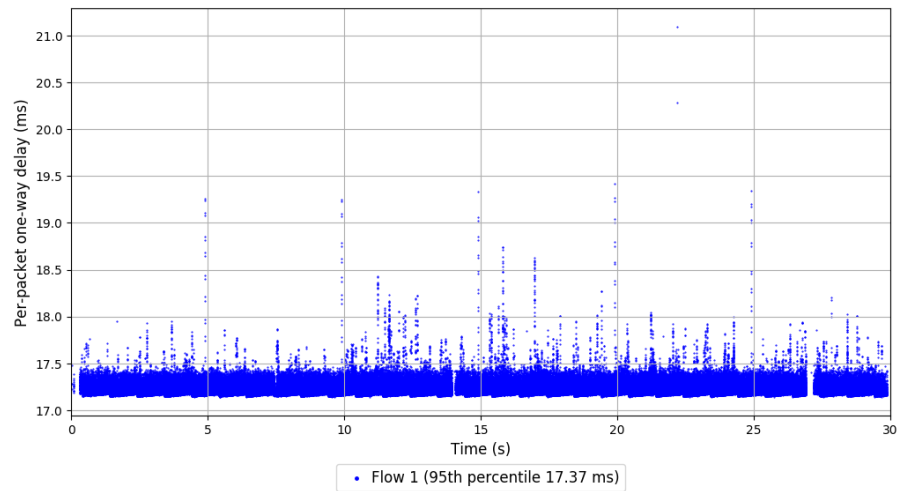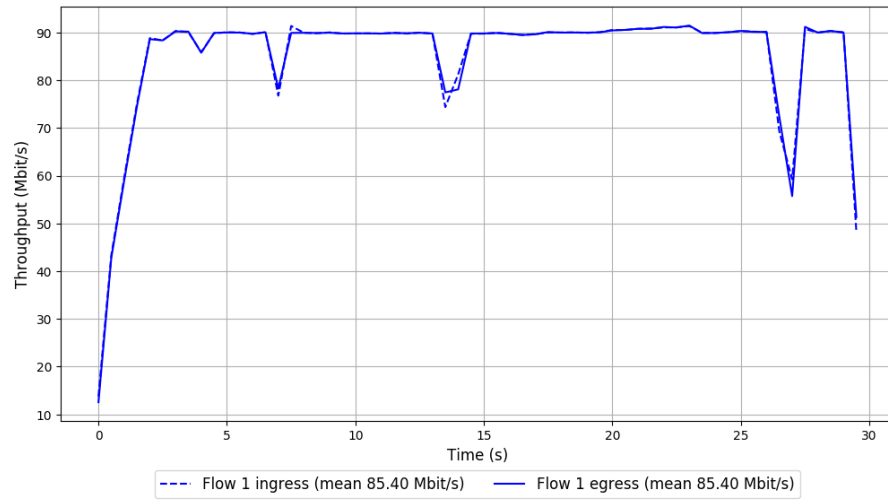
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 85.45 Mbit/s) —— Flow 1 egress (mean 85.45 Mbit/s)

• Flow 1 (95th percentile 18.85 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2017-12-05 15:23:09
End at: 2017-12-05 15:23:39
Local clock offset: 2.119 ms
Remote clock offset: -1.831 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.00 Mbit/s
95th percentile per-packet one-way delay: 18.855 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.00 Mbit/s
95th percentile per-packet one-way delay: 18.855 ms
Loss rate: 0.01%
```
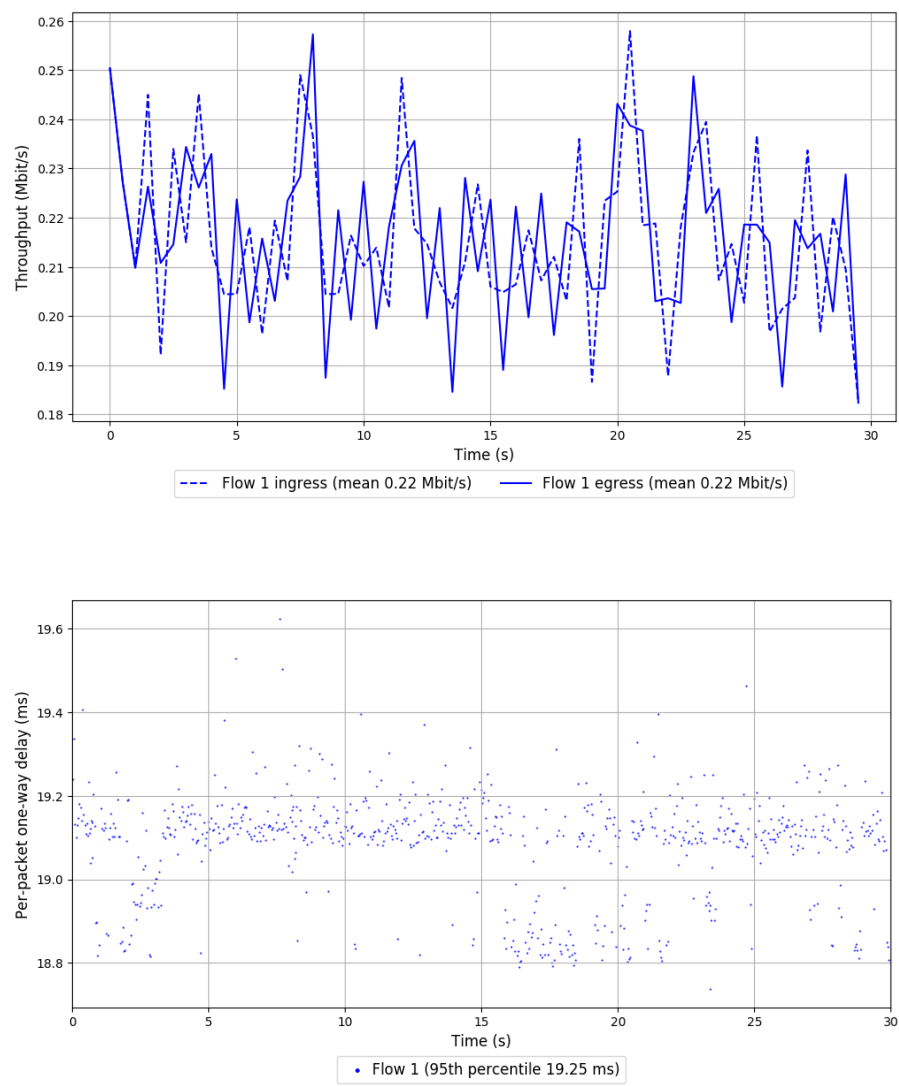
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 84.01 Mbit/s)   Flow 1 egress (mean 84.00 Mbit/s)

• Flow 1 (95th percentile 18.86 ms)

99

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-12-05 15:42:01
End at: 2017-12-05 15:42:31
Local clock offset: 2.112 ms
Remote clock offset: -2.012 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 18.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.40 Mbit/s
95th percentile per-packet one-way delay: 18.812 ms
Loss rate: 0.00%
```

Run 9: Report of QUIC Cubic — Data Link

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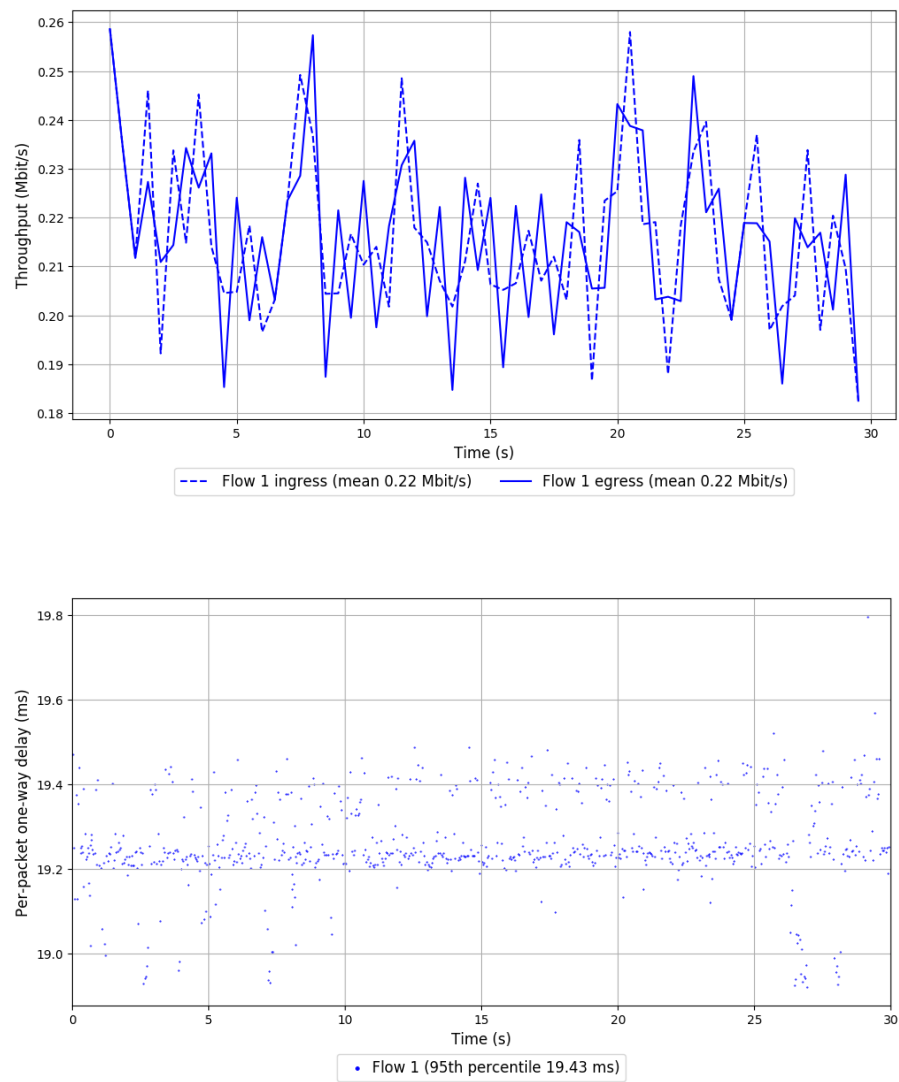

• Flow 1 (95th percentile 18.81 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-12-05 16:00:53
End at: 2017-12-05 16:01:23
Local clock offset: 2.579 ms
Remote clock offset: -1.902 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: 17.366 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.40 Mbit/s
95th percentile per-packet one-way delay: 17.366 ms
Loss rate: 0.00%
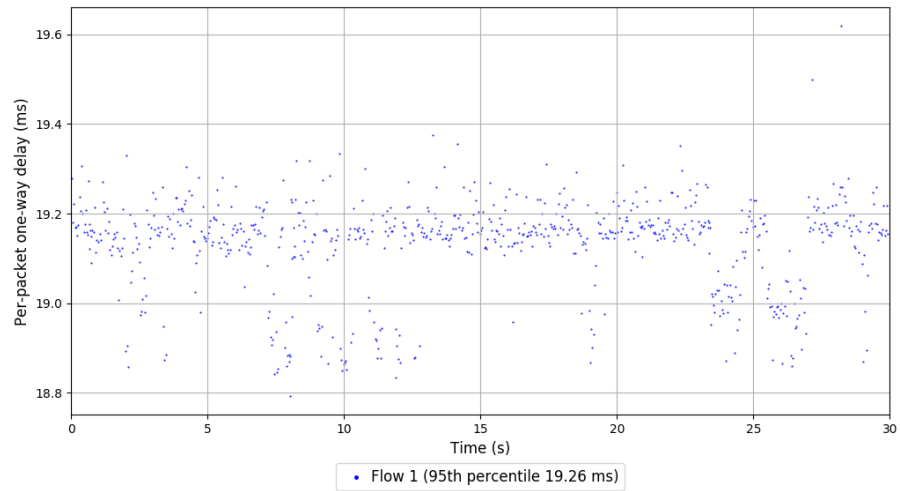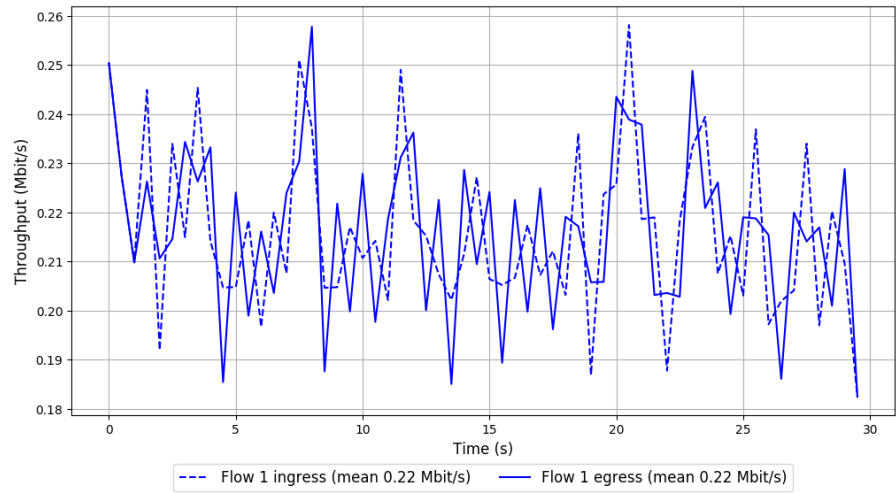```

# Run 10: Report of QUIC Cubic — Data Link

```
Run 1: Statistics of SCReAM

Start at: 2017-12-05 13:08:16
End at: 2017-12-05 13:08:46
Local clock offset: 0.897 ms
Remote clock offset: -1.921 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.246 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.246 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

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

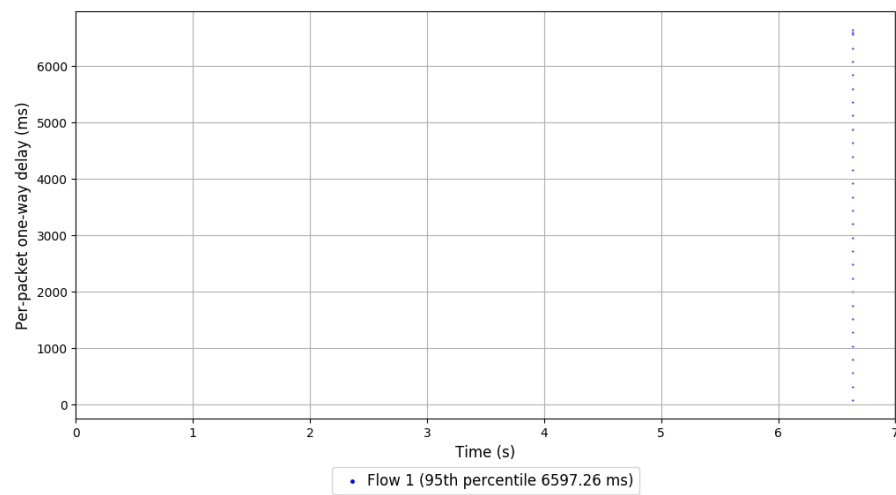Flow 1 (95th percentile 19.25 ms)
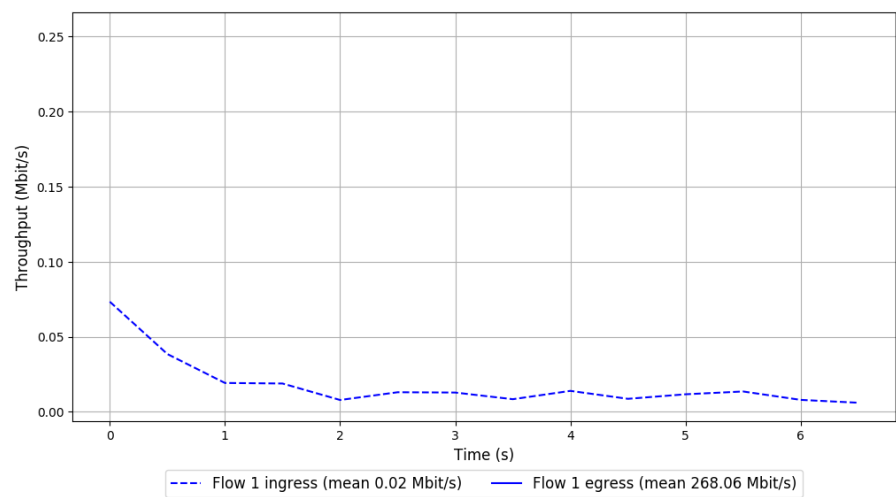
Run 2: Statistics of SCReAM

Start at: 2017-12-05 13:27:07
End at: 2017-12-05 13:27:37
Local clock offset: 0.82 ms
Remote clock offset: -2.193 ms

Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2017-12-05 13:45:58
End at: 2017-12-05 13:46:29
Local clock offset: 0.728 ms
Remote clock offset: -2.109 ms
```

Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: 2017-12-05 14:04:51
End at: 2017-12-05 14:05:21
Local clock offset: 0.819 ms
Remote clock offset: -2.069 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.434 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.434 ms
Loss rate: 0.00%
```
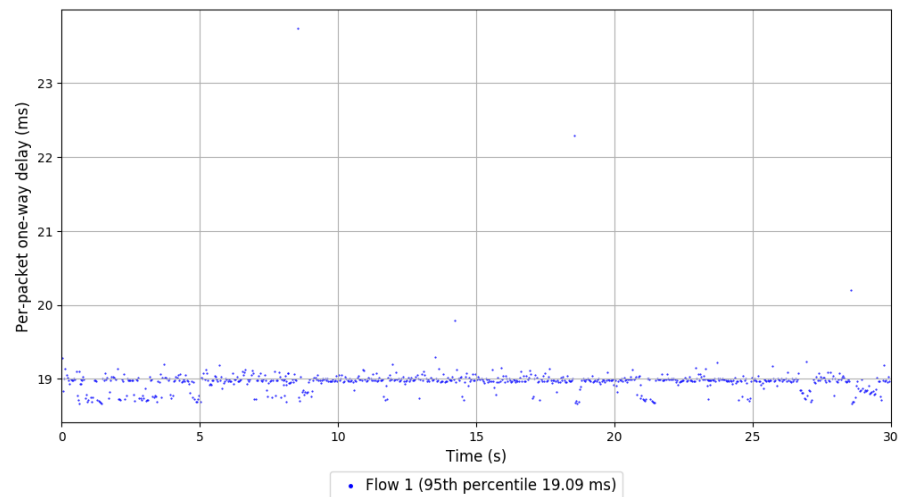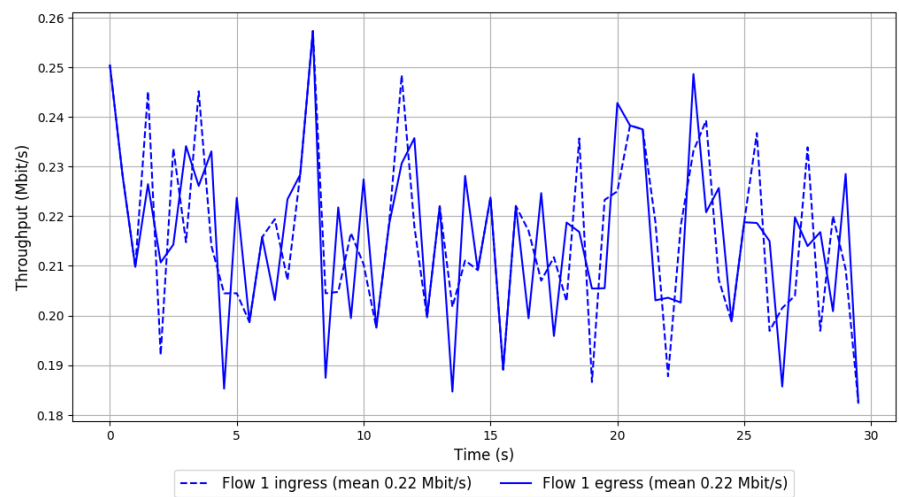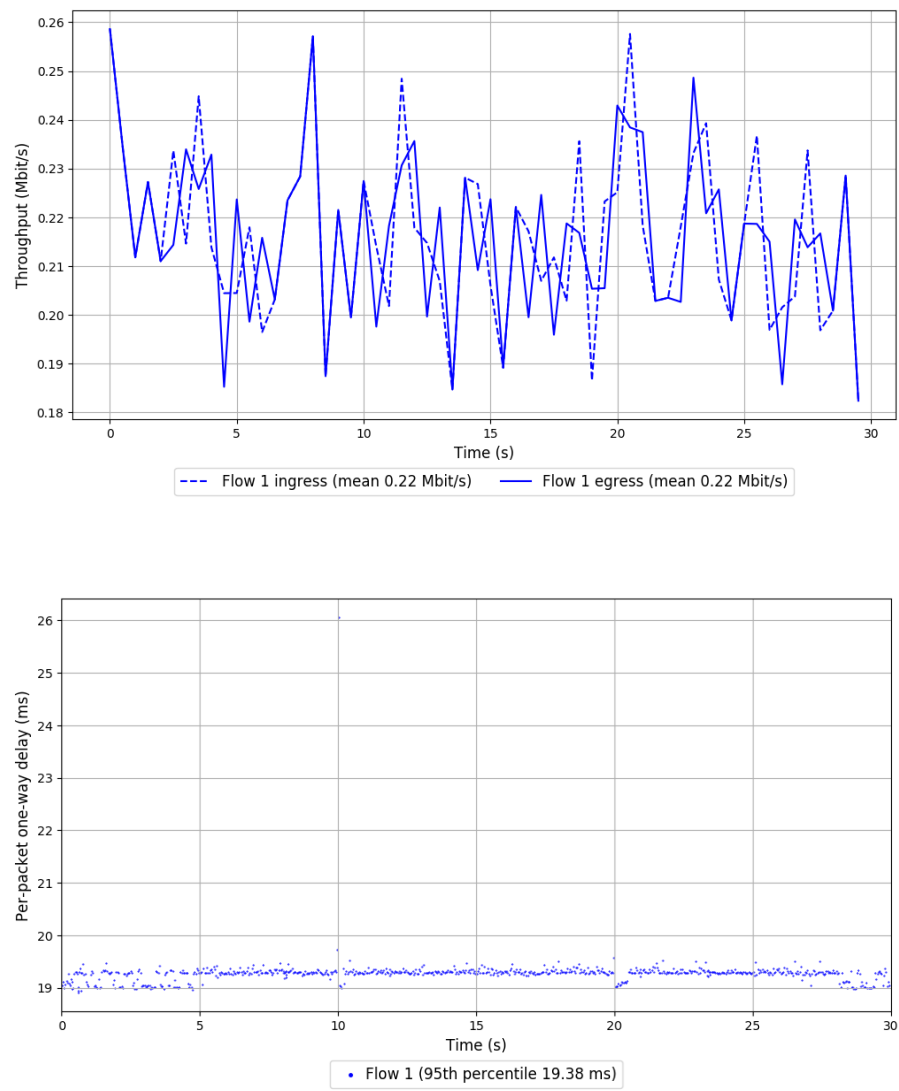
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: 2017-12-05 14:23:55
End at: 2017-12-05 14:24:25
Local clock offset: 1.008 ms
Remote clock offset: -2.264 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.258 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.258 ms
Loss rate: 0.00%
```
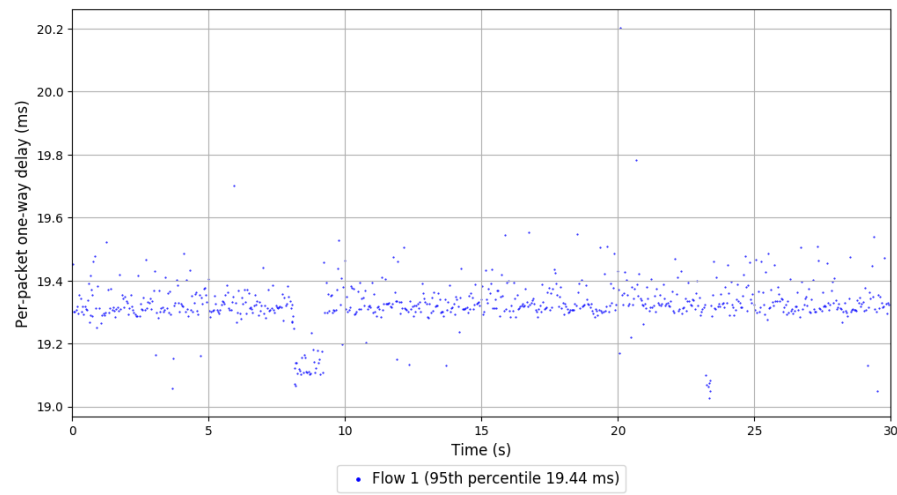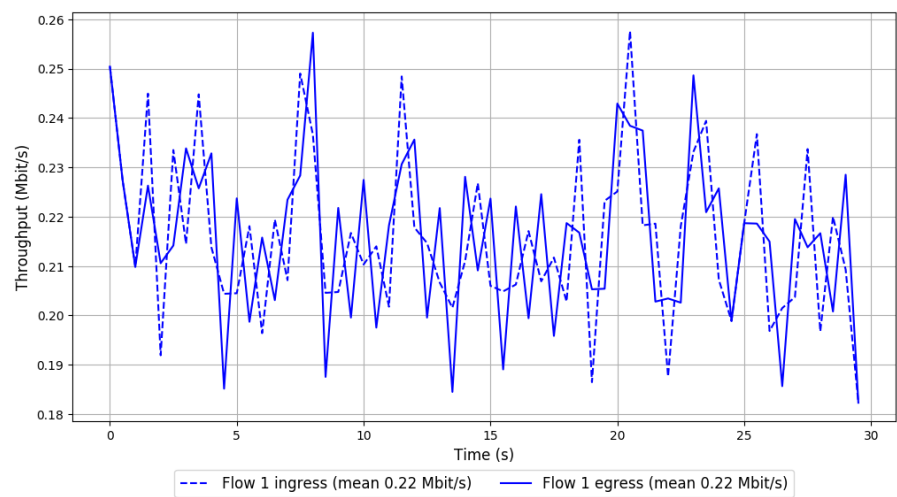
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2017-12-05 14:42:50
End at: 2017-12-05 14:43:20
Local clock offset: 1.45 ms
Remote clock offset: -2.24 ms
```

Run 6: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.02 Mbit/s) —— Flow 1 egress (mean 268.06 Mbit/s)

• Flow 1 (95th percentile 6597.26 ms)

```
Run 7: Statistics of SCReAM

Start at: 2017-12-05 15:01:50
End at: 2017-12-05 15:02:20
Local clock offset: 1.962 ms
Remote clock offset: -1.86 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.090 ms
Loss rate: 0.00%
```
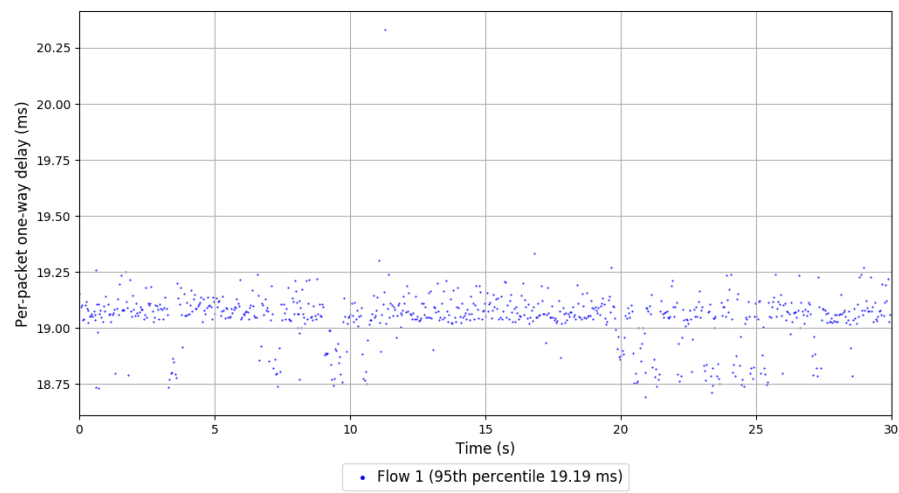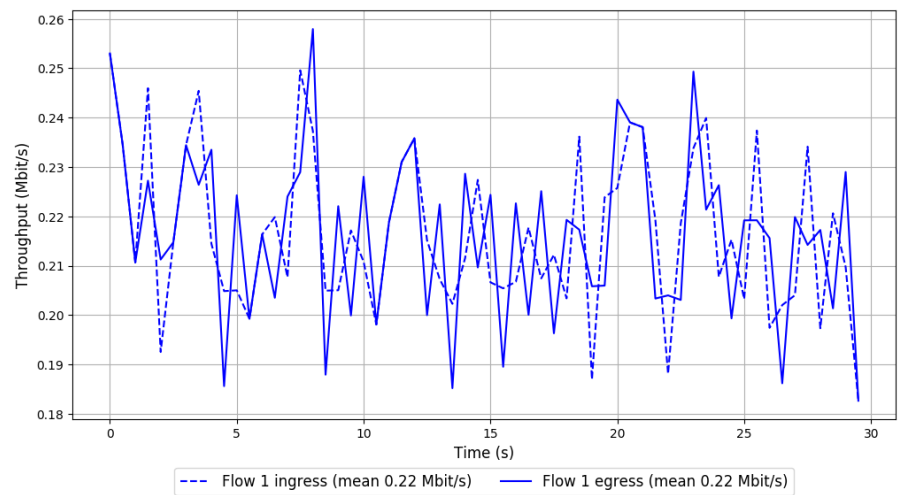
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2017-12-05 15:20:39
End at: 2017-12-05 15:21:09
Local clock offset: 2.122 ms
Remote clock offset: -1.781 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.384 ms
Loss rate: 0.00%
```
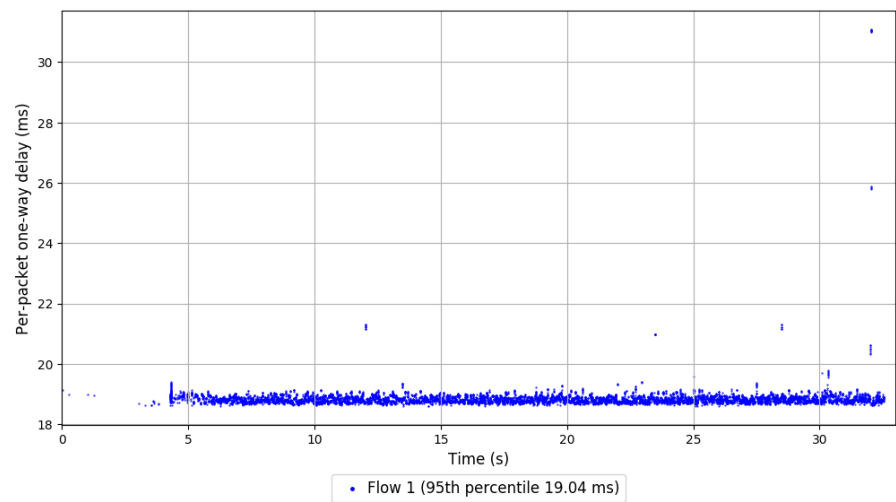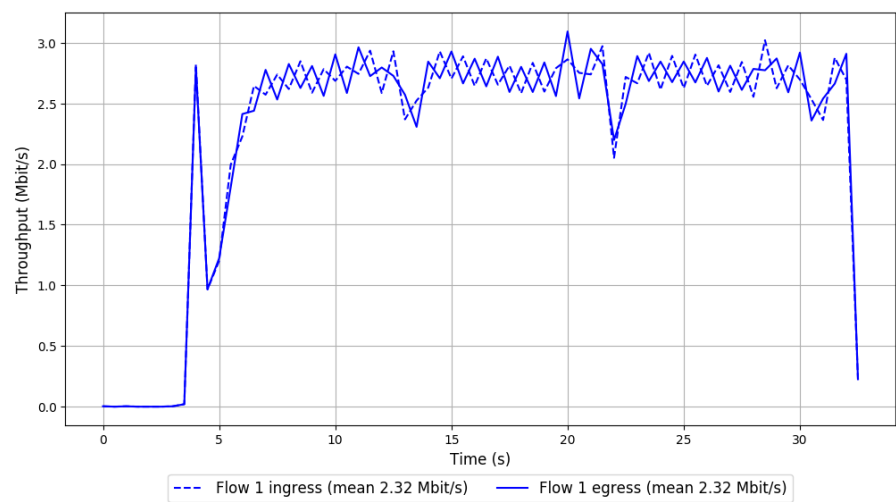
Run 8: Report of SCReAM — Data Link

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```
Run 9: Statistics of SCReAM

Start at: 2017-12-05 15:39:31
End at: 2017-12-05 15:40:01
Local clock offset: 2.086 ms
Remote clock offset: -1.999 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.441 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.441 ms
Loss rate: 0.00%
```

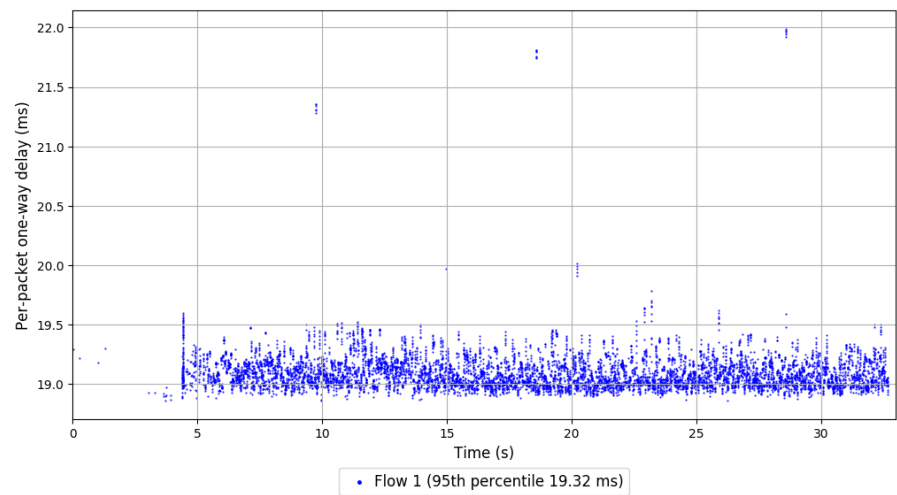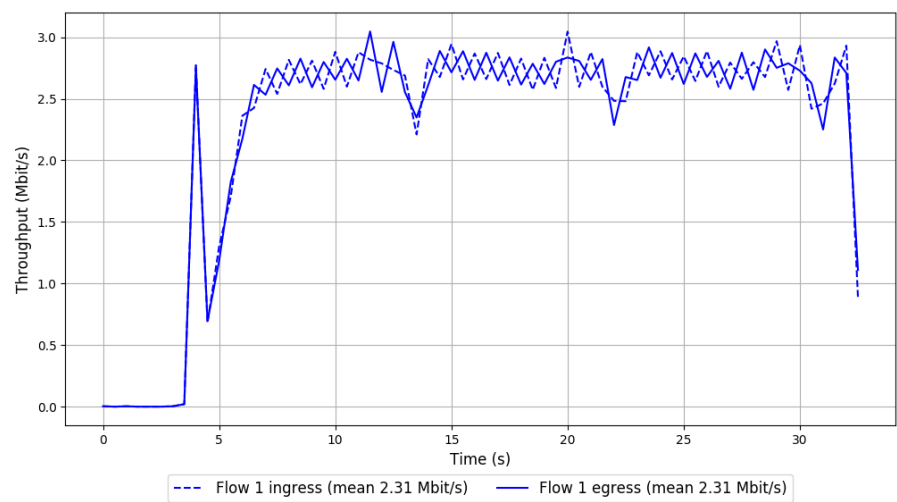## Run 9: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 19.44 ms)

```
Run 10: Statistics of SCReAM

Start at: 2017-12-05 15:58:23
End at: 2017-12-05 15:58:53
Local clock offset: 2.499 ms
Remote clock offset: -1.839 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.188 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.188 ms
Loss rate: 0.00%
```
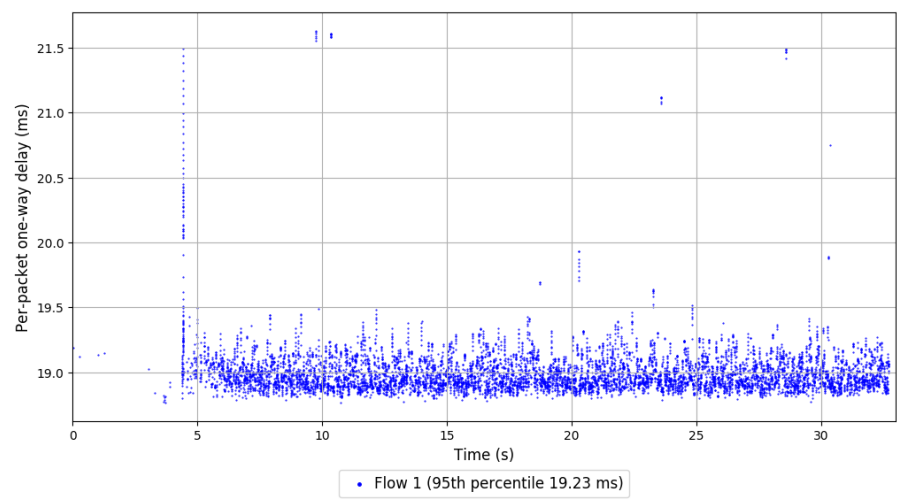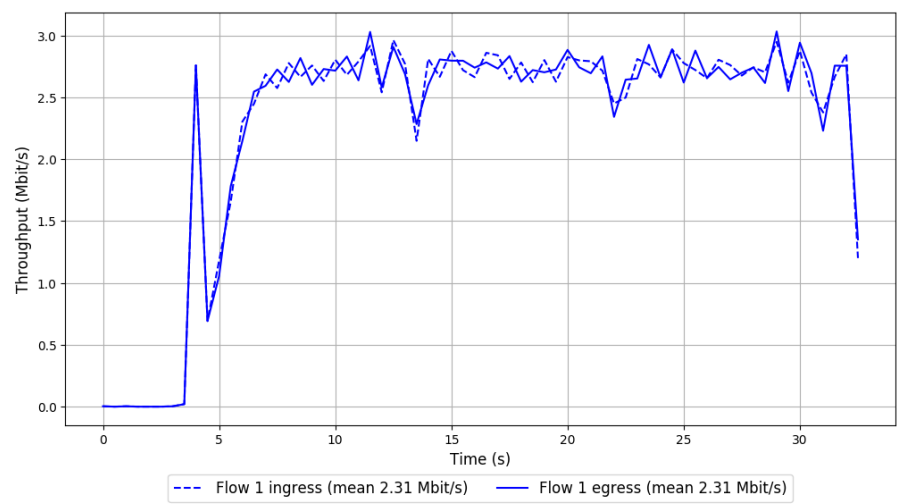
Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2017-12-05 13:14:56
End at: 2017-12-05 13:15:26
Local clock offset: 0.797 ms
Remote clock offset: -1.93 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.00%
```
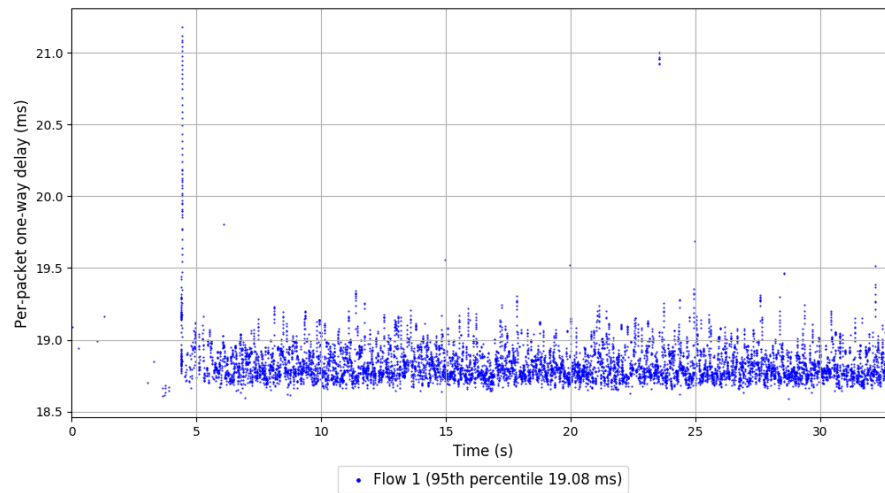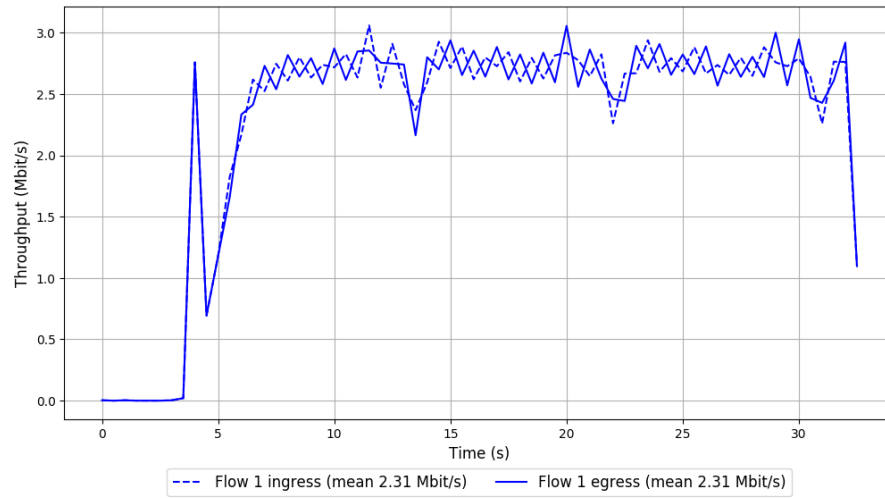
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2017-12-05 13:33:43
End at: 2017-12-05 13:34:13
Local clock offset: 0.777 ms
Remote clock offset: -2.206 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.324 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.324 ms
Loss rate: 0.00%
```
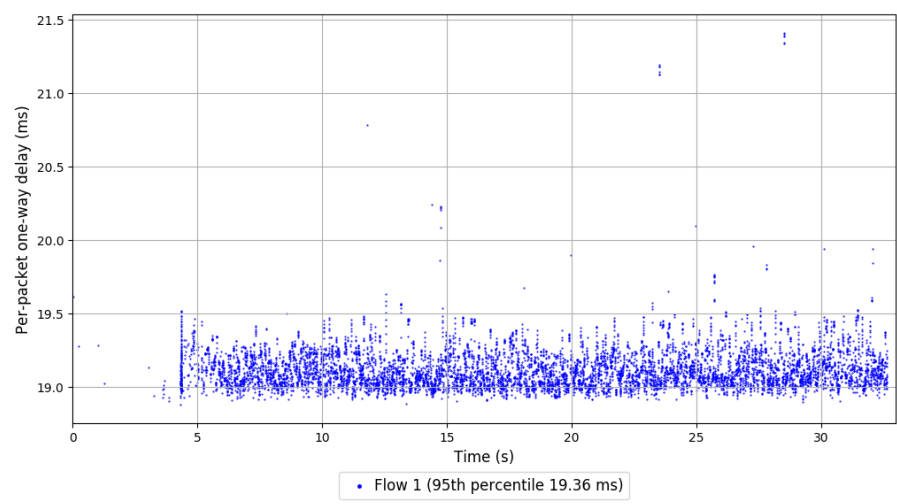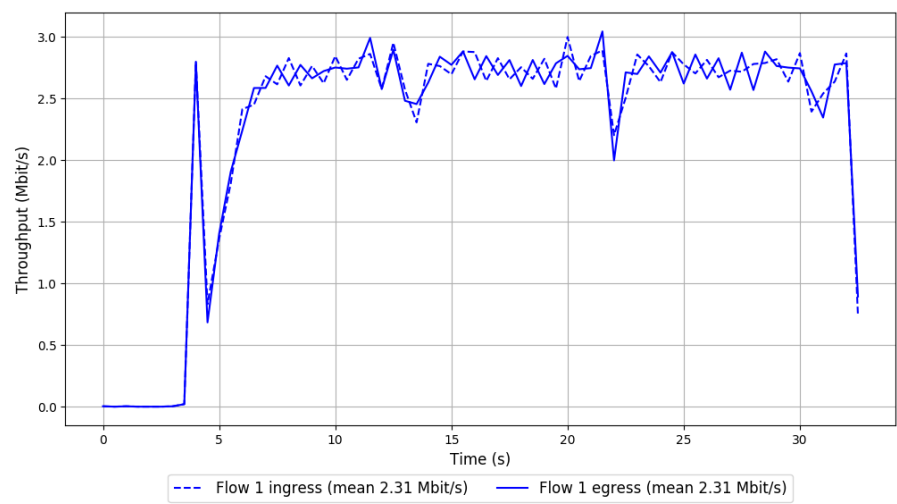
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2017-12-05 13:52:36
End at: 2017-12-05 13:53:06
Local clock offset: 0.882 ms
Remote clock offset: -2.172 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.233 ms
Loss rate: 0.00%
```
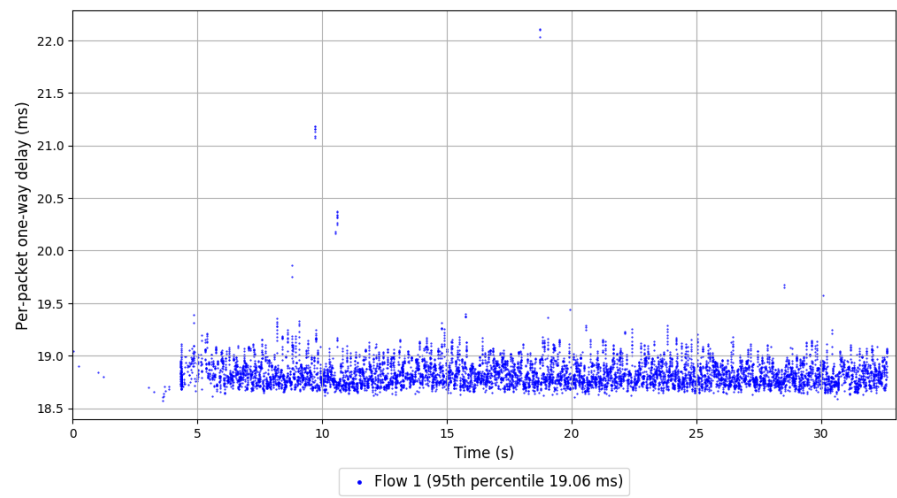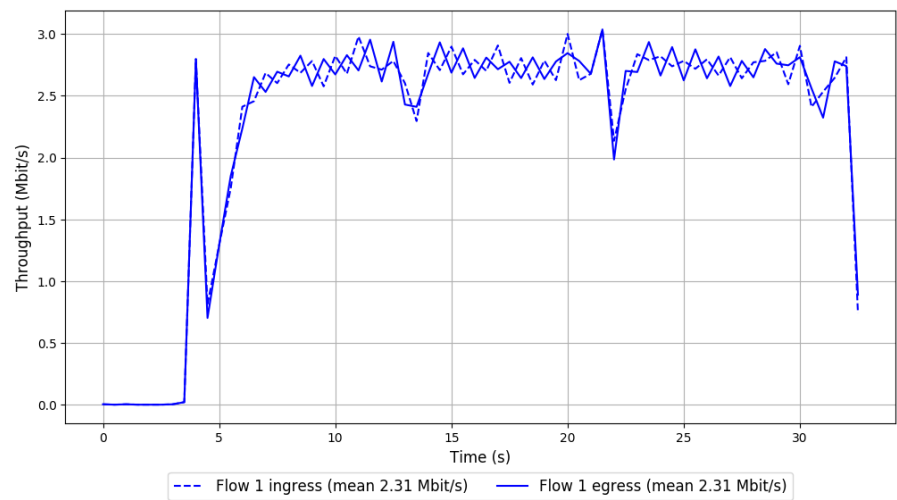
Run 3: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 19.23 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2017-12-05 14:11:32
End at: 2017-12-05 14:12:02
Local clock offset: 0.839 ms
Remote clock offset: -2.137 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.079 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.079 ms
Loss rate: 0.00%
```
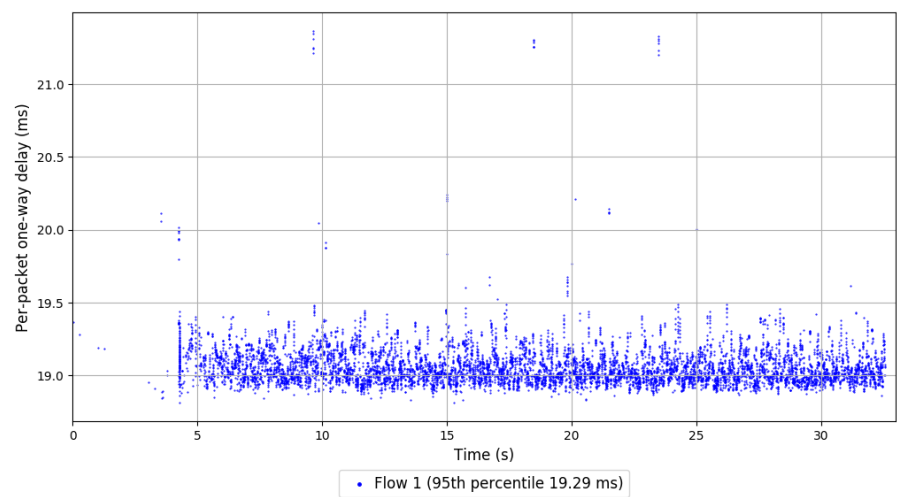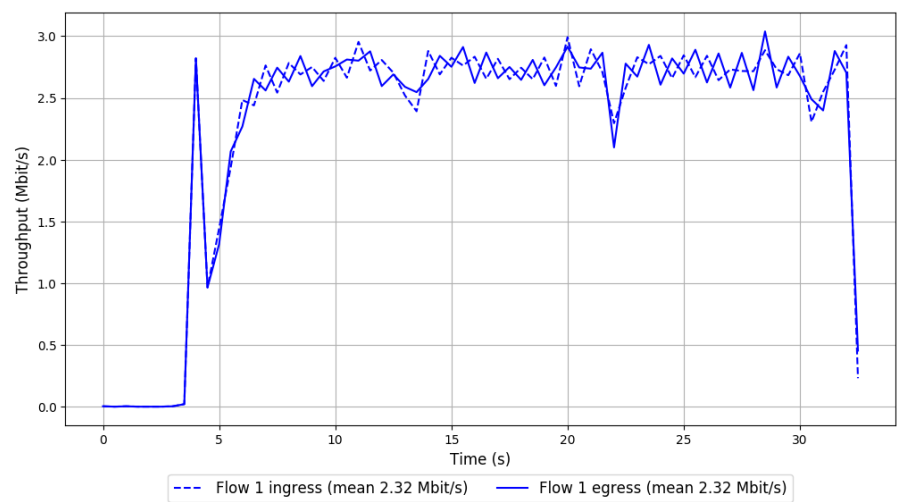
Run 4: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 19.08 ms)

```
Run 5: Statistics of WebRTC media

Start at: 2017-12-05 14:30:31
End at: 2017-12-05 14:31:01
Local clock offset: 1.073 ms
Remote clock offset: -2.324 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.356 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.356 ms
Loss rate: 0.00%
```
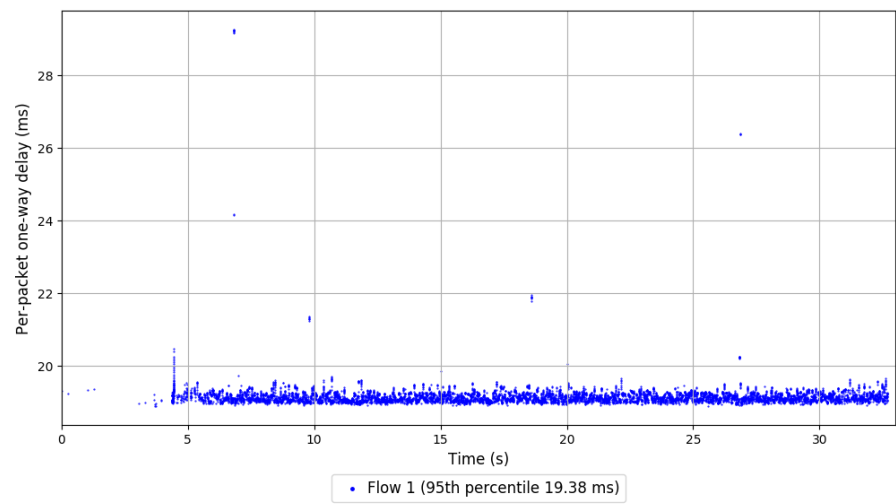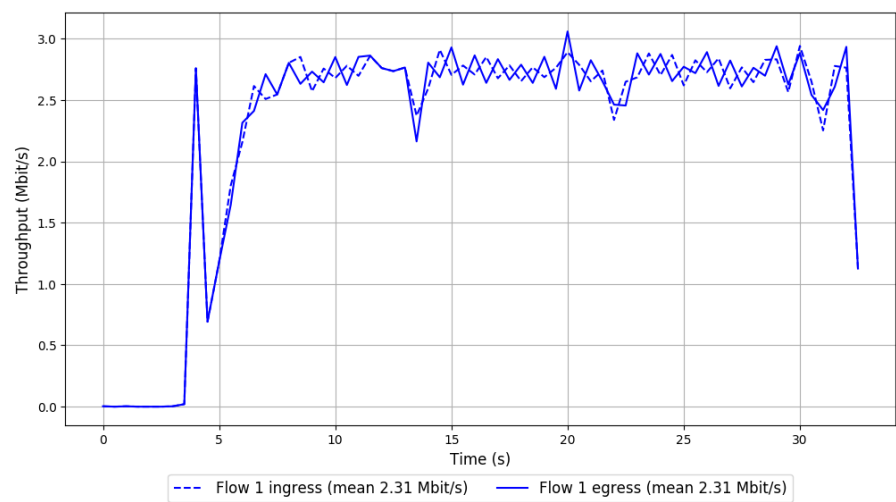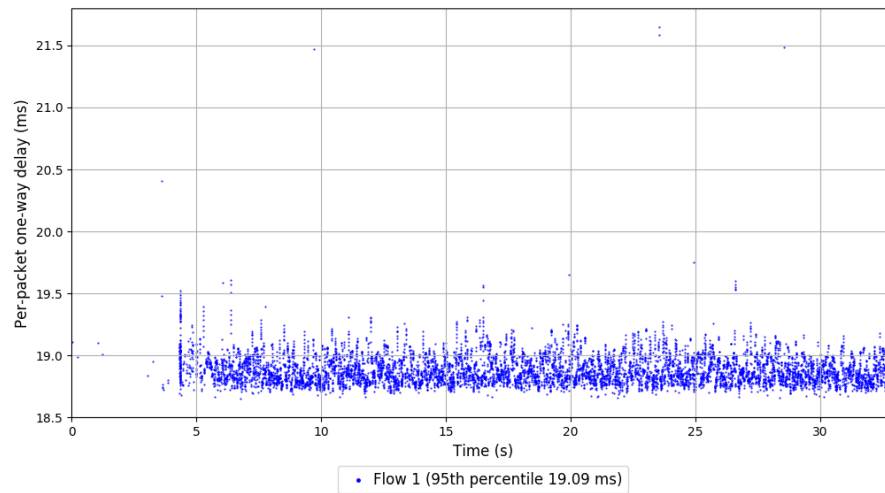
Run 5: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 19.36 ms)

```
Run 6: Statistics of WebRTC media

Start at: 2017-12-05 14:49:31
End at: 2017-12-05 14:50:01
Local clock offset: 1.766 ms
Remote clock offset: -2.164 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.056 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.056 ms
Loss rate: 0.00%
```
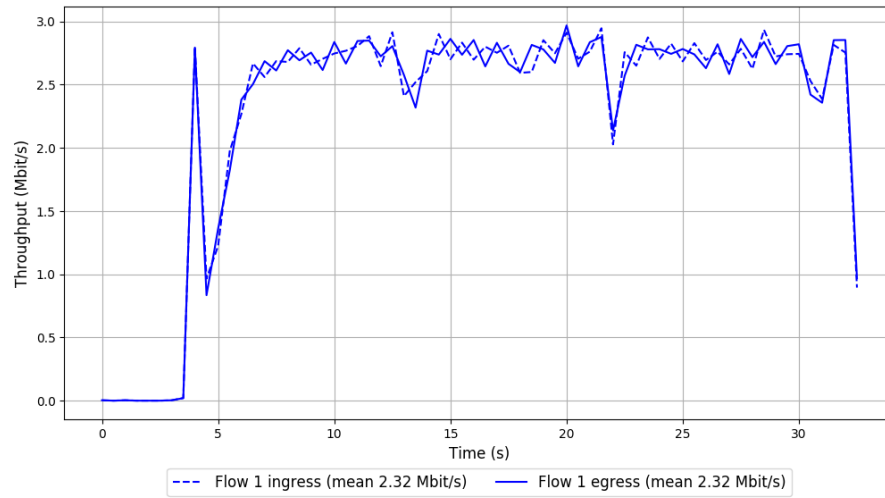
Run 6: Report of WebRTC media — Data Link

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

· Flow 1 (95th percentile 19.06 ms)

```
Run 7: Statistics of WebRTC media

Start at: 2017-12-05 15:08:28
End at: 2017-12-05 15:08:58
Local clock offset: 2.039 ms
Remote clock offset: -1.723 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.285 ms
Loss rate: 0.00%
```
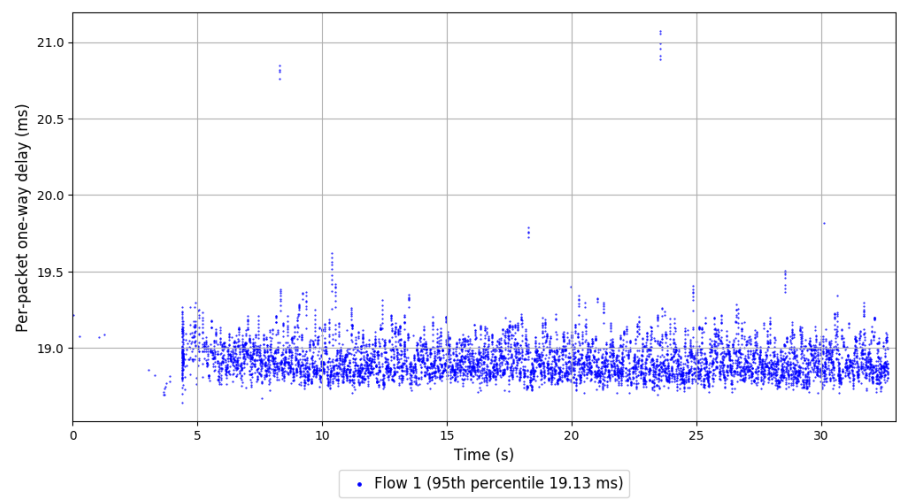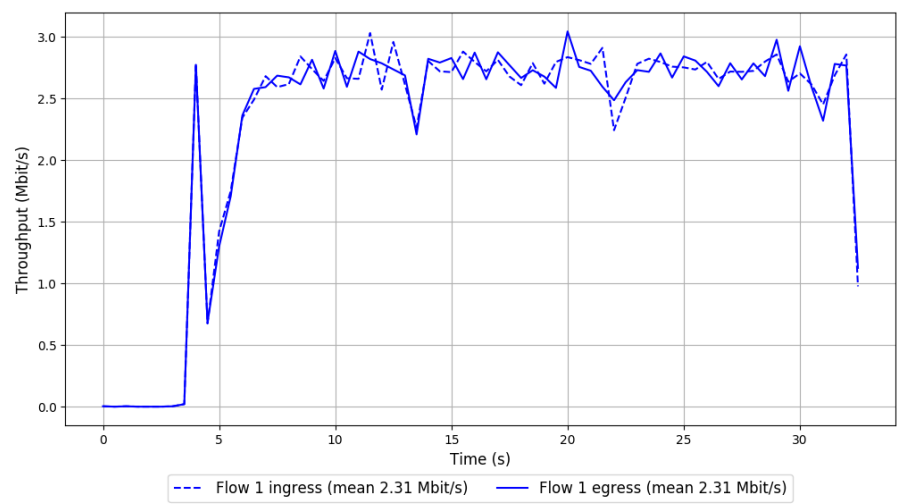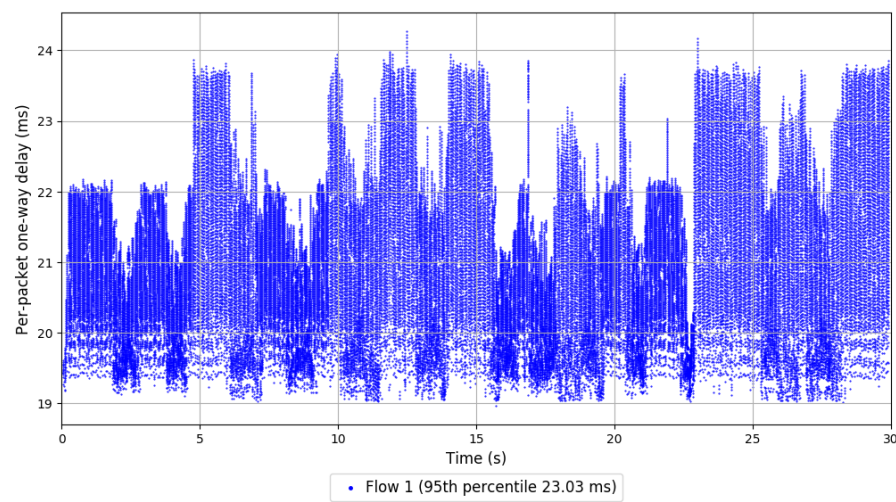
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2017-12-05 15:27:20
End at: 2017-12-05 15:27:50
Local clock offset: 2.051 ms
Remote clock offset: -1.84 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.377 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.377 ms
Loss rate: 0.00%
```
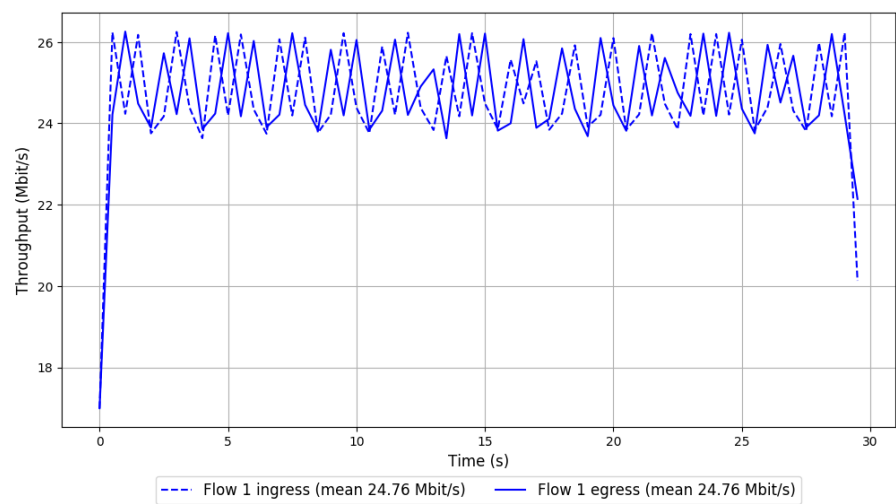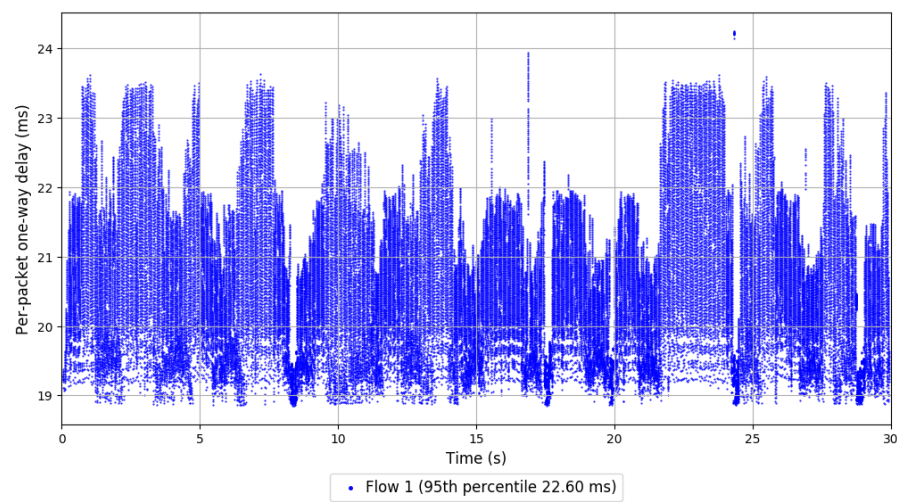
Run 8: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 19.38 ms)

```
Run 9: Statistics of WebRTC media

Start at: 2017-12-05 15:46:12
End at: 2017-12-05 15:46:42
Local clock offset: 2.109 ms
Remote clock offset: -1.912 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 19.093 ms
Loss rate: 0.00%
```
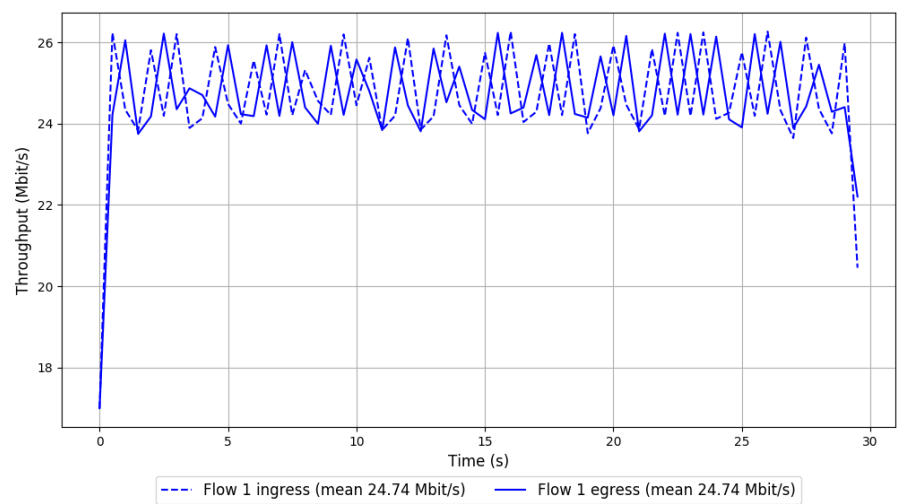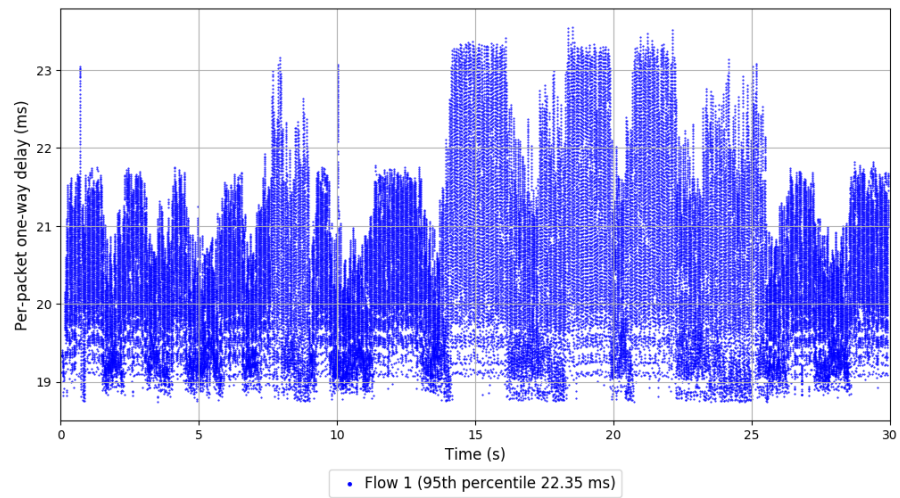
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2017-12-05 16:05:03
End at: 2017-12-05 16:05:33
Local clock offset: 2.597 ms
Remote clock offset: -1.707 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.132 ms
Loss rate: 0.00%
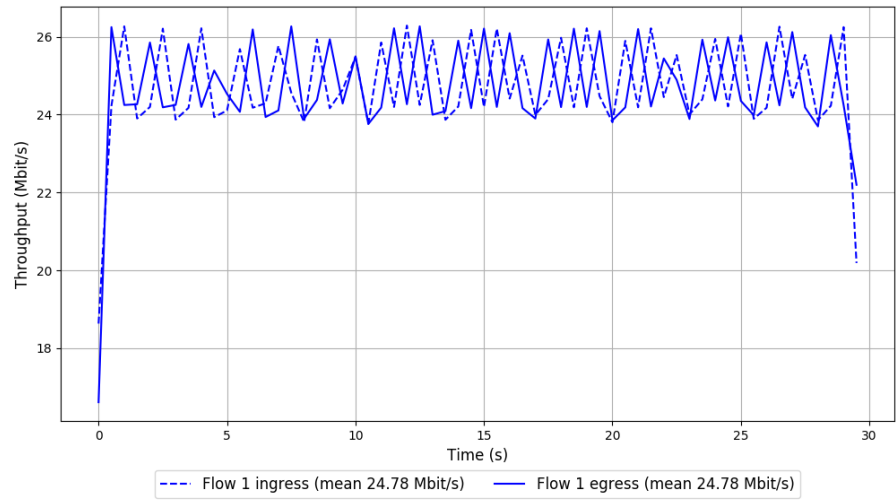```

Run 10: Report of WebRTC media — Data Link

```
Run 1: Statistics of Sprout

Start at: 2017-12-05 13:02:36
End at: 2017-12-05 13:03:06
Local clock offset: 0.833 ms
Remote clock offset: -1.915 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 23.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 23.032 ms
Loss rate: 0.00%
```

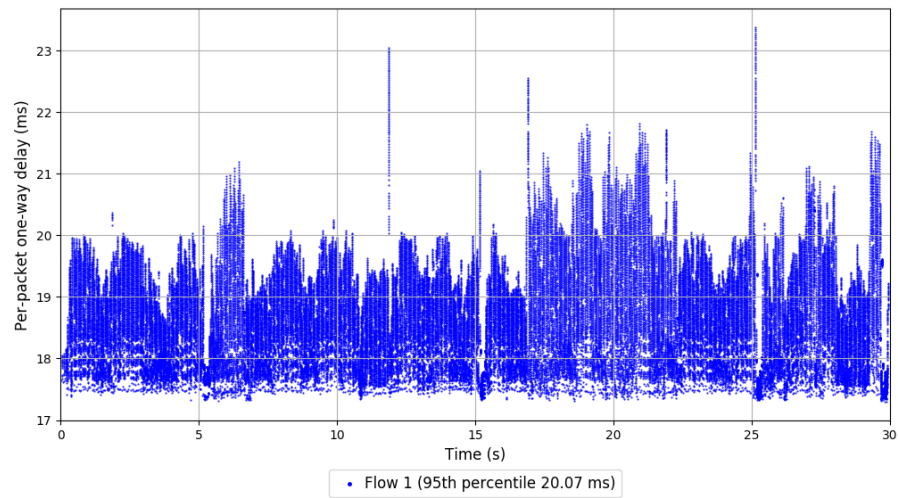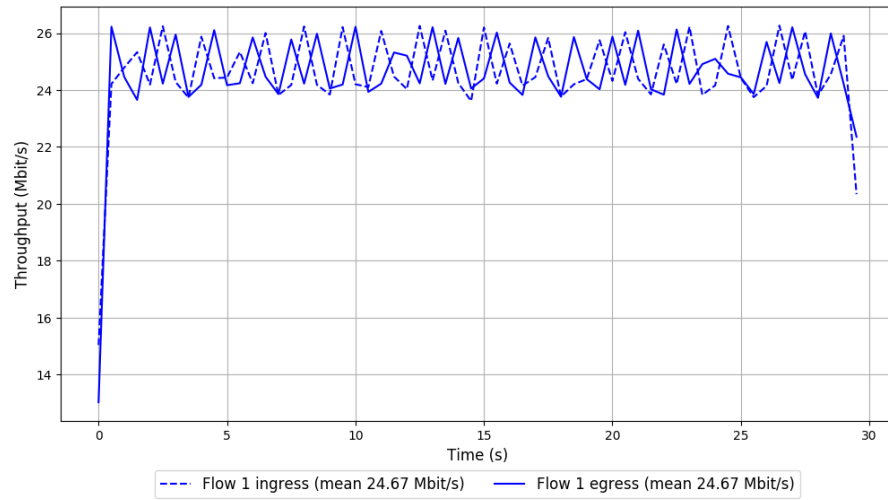Run 1: Report of Sprout — Data Link

Run 2: Statistics of Sprout

Start at: 2017-12-05 13:21:32
End at: 2017-12-05 13:22:02
Local clock offset: 0.792 ms
Remote clock offset: -2.065 ms

Below is generated by plot.py at 2017-12-05 18:23:20
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.602 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.602 ms
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2017-12-05 13:40:18
End at: 2017-12-05 13:40:48
Local clock offset: 0.676 ms
Remote clock offset: -2.251 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 22.350 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.78 Mbit/s
95th percentile per-packet one-way delay: 22.350 ms
Loss rate: 0.00%
```
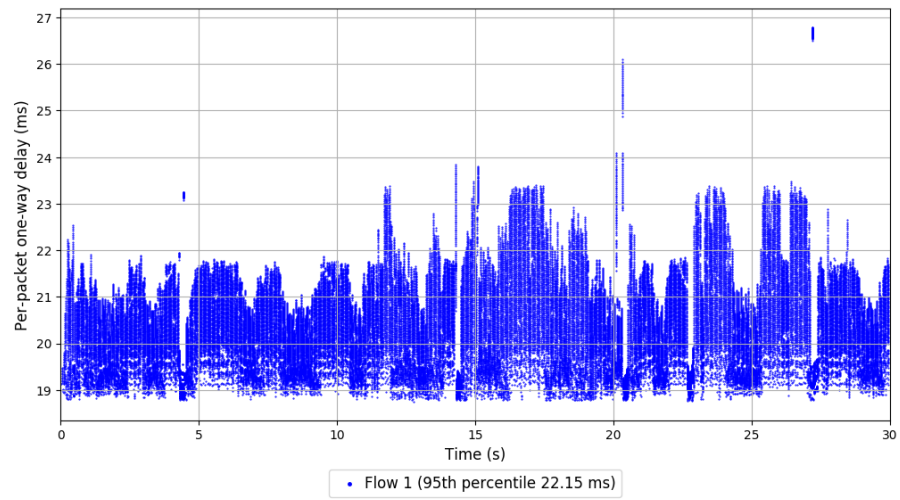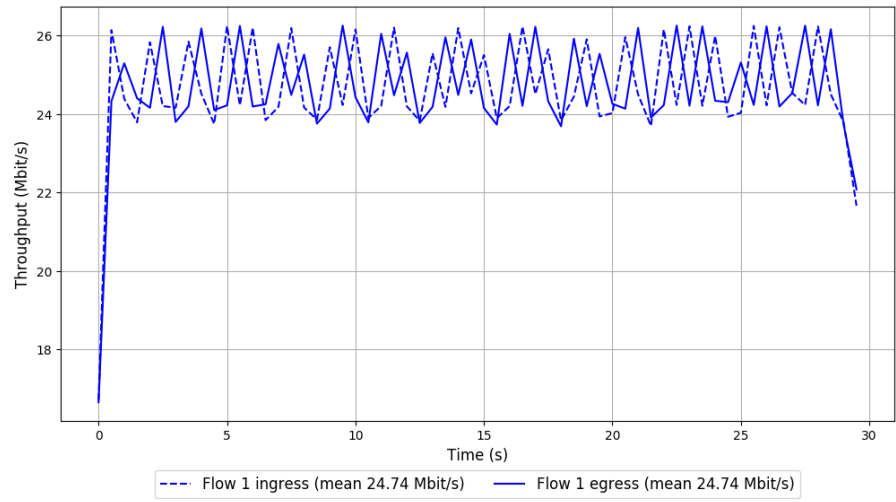
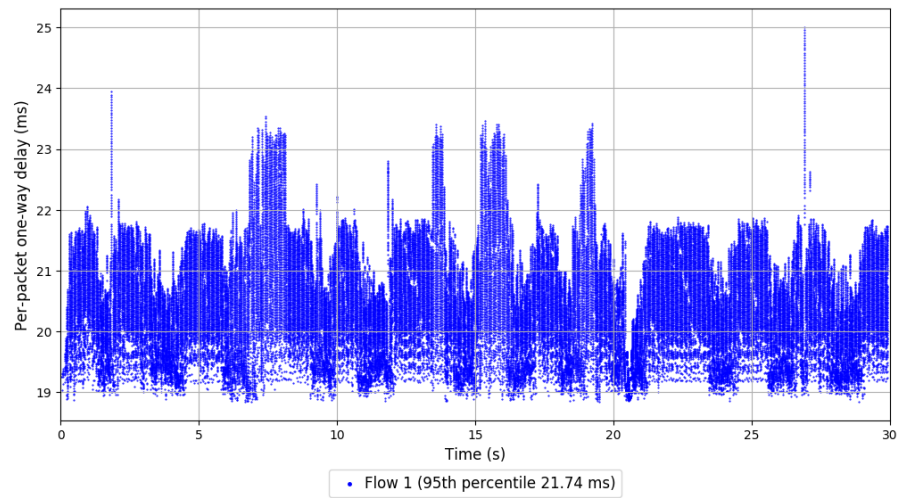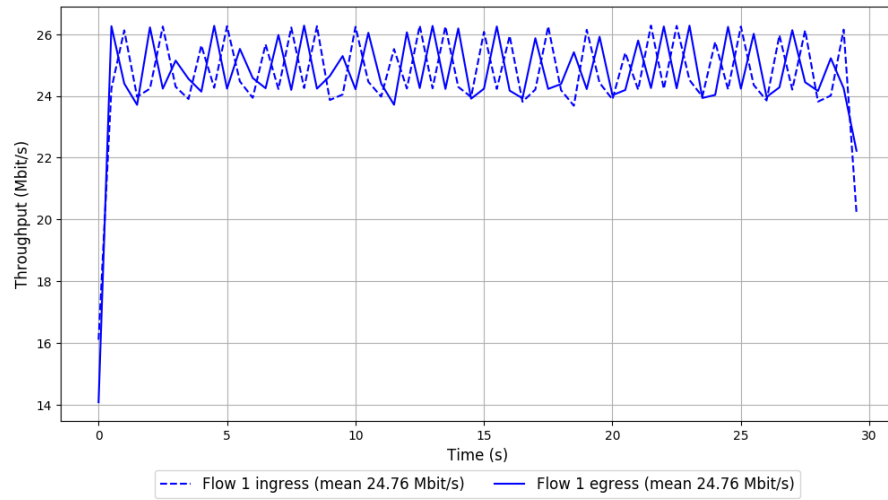# Run 3: Report of Sprout — Data Link

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

Flow 1 (95th percentile 22.35 ms)

```
Run 4: Statistics of Sprout

Start at: 2017-12-05 13:59:14
End at: 2017-12-05 13:59:44
Local clock offset: 0.781 ms
Remote clock offset: -2.026 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 20.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 20.068 ms
Loss rate: 0.00%
```

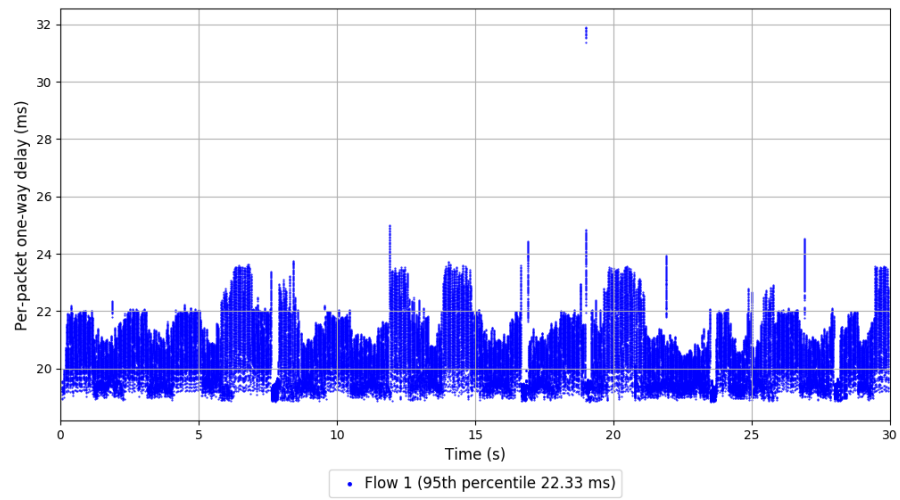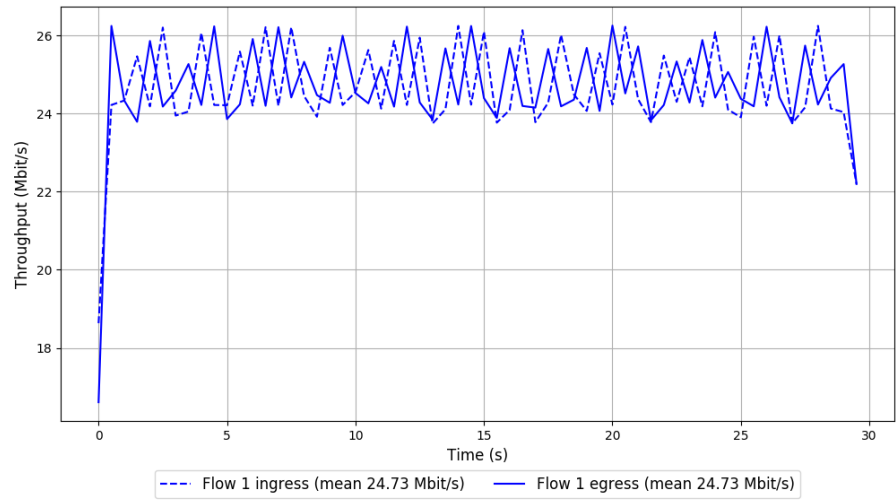Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: 2017-12-05 14:18:15
End at: 2017-12-05 14:18:45
Local clock offset: 0.83 ms
Remote clock offset: -2.134 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.151 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.151 ms
Loss rate: 0.00%
```

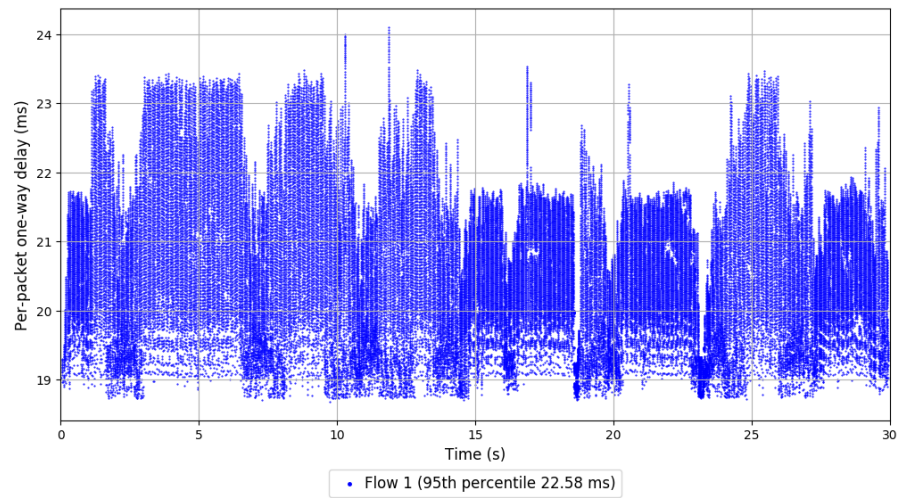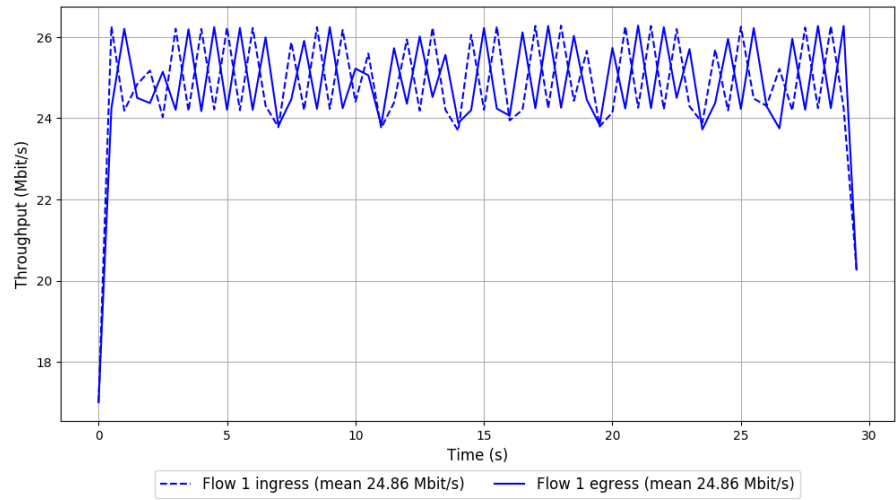## Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2017-12-05 14:37:11
End at: 2017-12-05 14:37:41
Local clock offset: 1.266 ms
Remote clock offset: -2.076 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 21.742 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.76 Mbit/s
95th percentile per-packet one-way delay: 21.742 ms
Loss rate: 0.00%
```

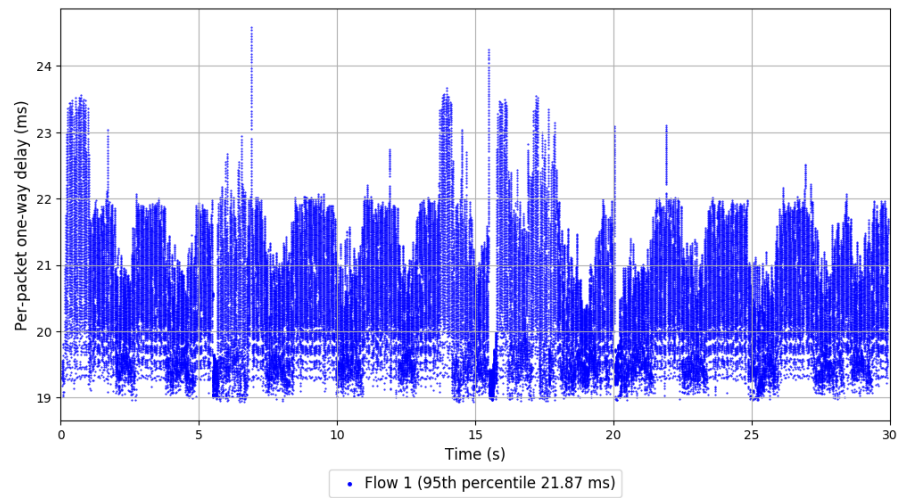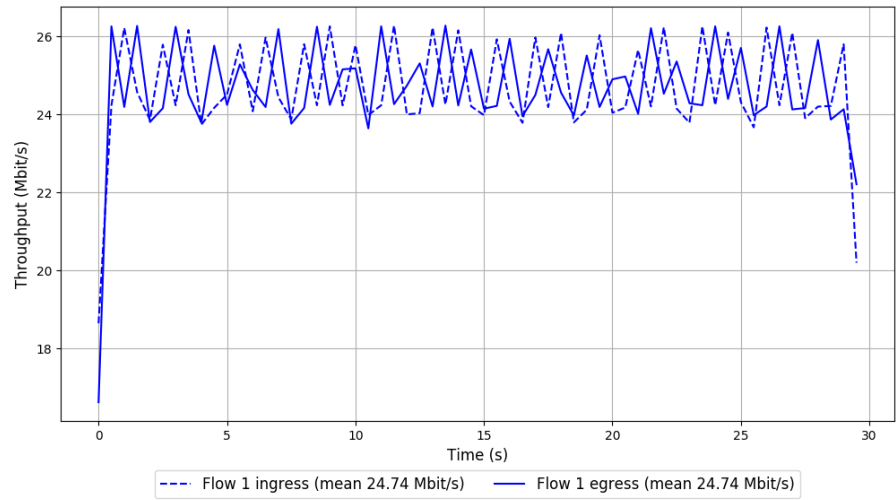Run 6: Report of Sprout — Data Link

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

Flow 1 (95th percentile 21.74 ms)

```
Run 7: Statistics of Sprout

Start at: 2017-12-05 14:56:06
End at: 2017-12-05 14:56:36
Local clock offset: 1.948 ms
Remote clock offset: -2.013 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 22.331 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 22.331 ms
Loss rate: 0.00%
```

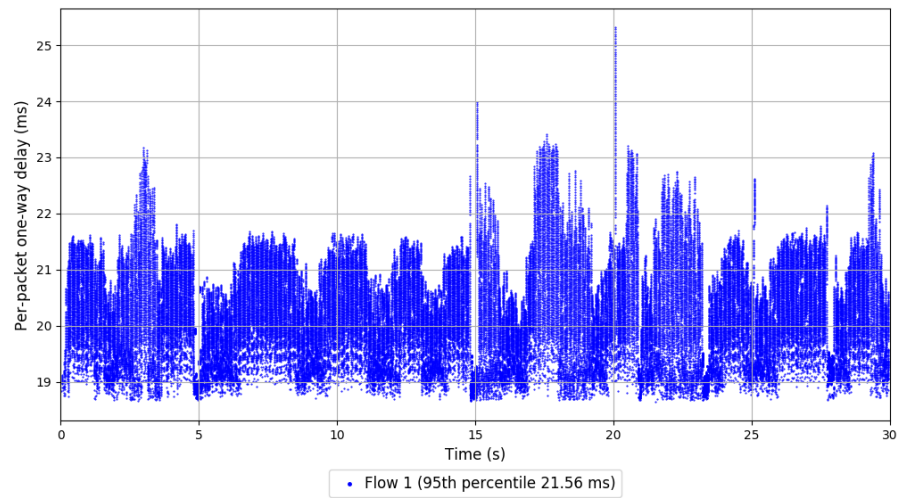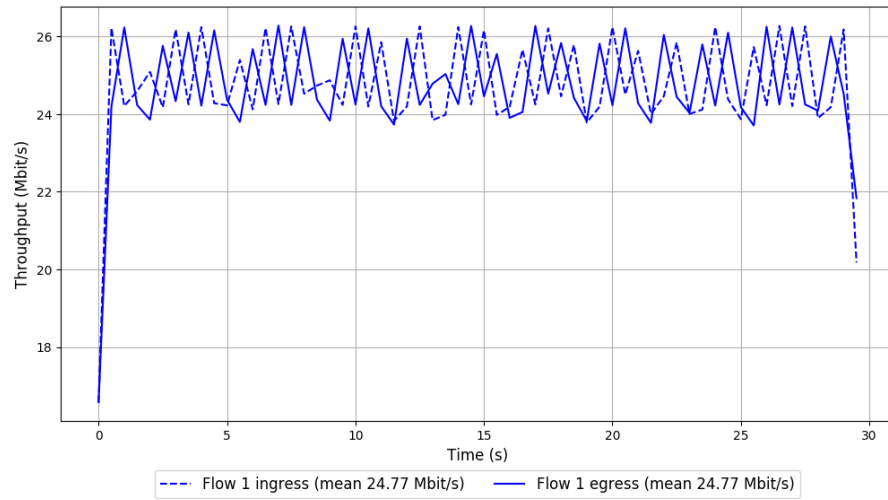Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2017-12-05 15:15:01
End at: 2017-12-05 15:15:31
Local clock offset: 2.097 ms
Remote clock offset: -1.775 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 22.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.86 Mbit/s
95th percentile per-packet one-way delay: 22.582 ms
Loss rate: 0.00%
```

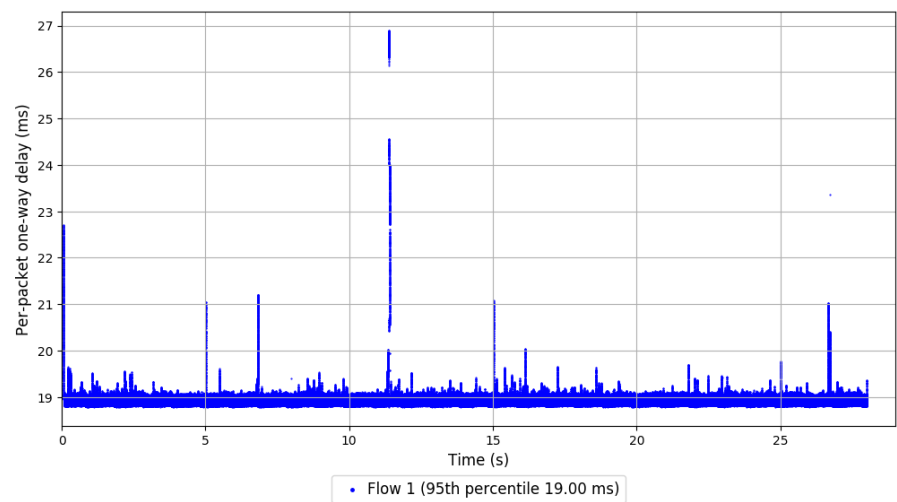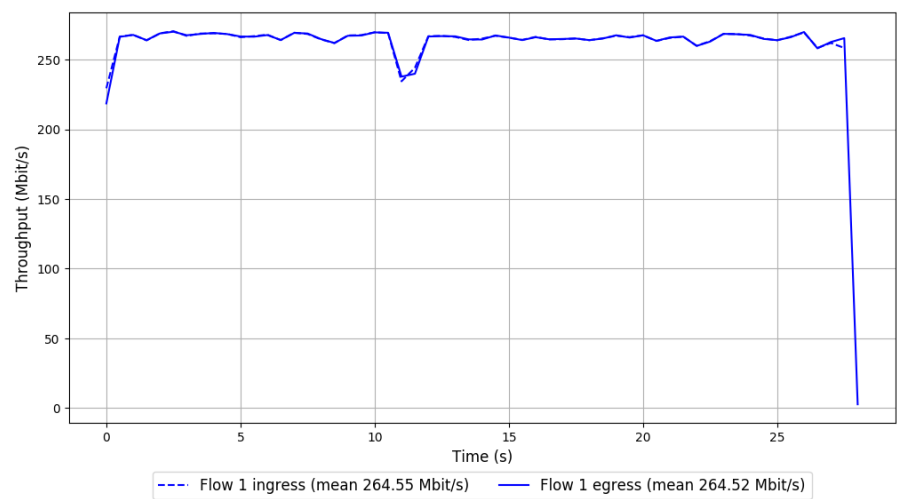Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2017-12-05 15:33:53
End at: 2017-12-05 15:34:23
Local clock offset: 2.12 ms
Remote clock offset: -1.892 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 21.867 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 21.867 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2017-12-05 15:52:44
End at: 2017-12-05 15:53:14
Local clock offset: 2.314 ms
Remote clock offset: -1.902 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 21.559 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.77 Mbit/s
95th percentile per-packet one-way delay: 21.559 ms
Loss rate: 0.00%
```
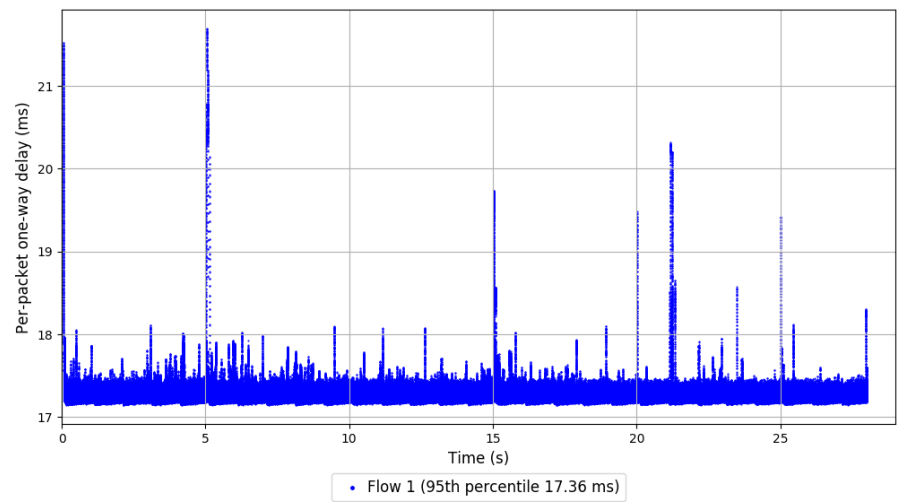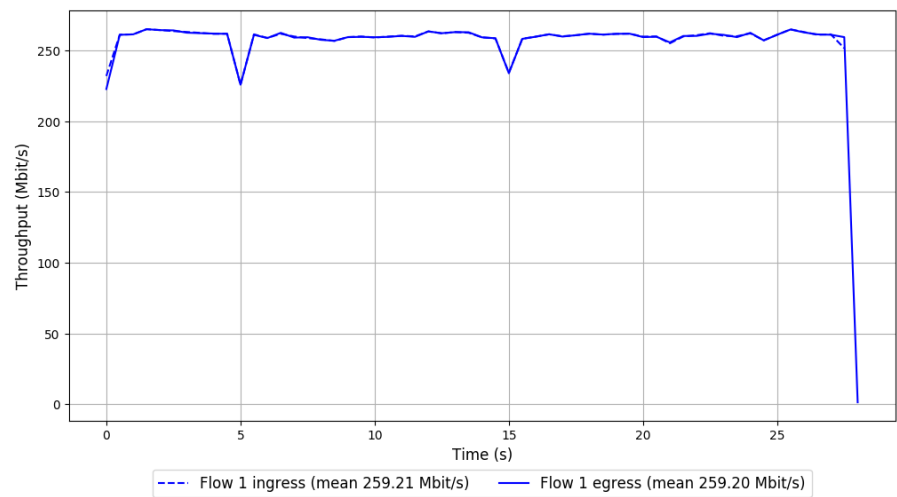
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 24.77 Mbit/s) --- Flow 1 egress (mean 24.77 Mbit/s)

Flow 1 (95th percentile 21.56 ms)

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

Start at: 2017-12-05 13:17:27
End at: 2017-12-05 13:17:57
Local clock offset: 0.795 ms
Remote clock offset: -2.01 ms

# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.52 Mbit/s
95th percentile per-packet one-way delay: 18.997 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 264.52 Mbit/s
95th percentile per-packet one-way delay: 18.997 ms
Loss rate: 0.01%
```
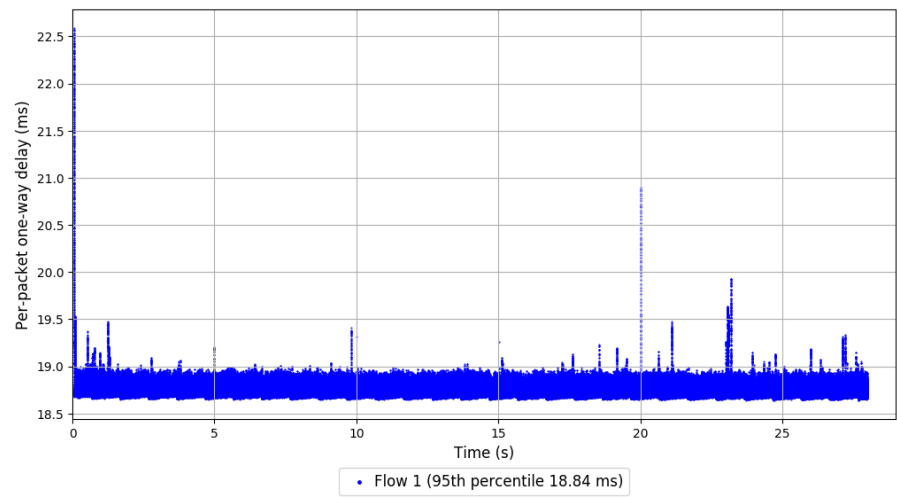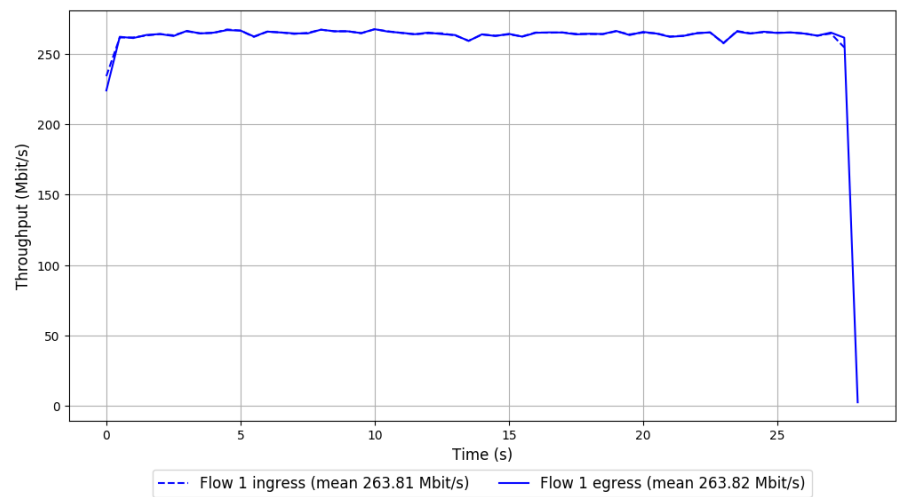
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 264.55 Mbit/s)   Flow 1 egress (mean 264.52 Mbit/s)

Flow 1 (95th percentile 19.00 ms)

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

Start at: 2017-12-05 13:36:12
End at: 2017-12-05 13:36:42
Local clock offset: 0.773 ms
Remote clock offset: -2.319 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 259.20 Mbit/s
95th percentile per-packet one-way delay: 17.362 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 259.20 Mbit/s
95th percentile per-packet one-way delay: 17.362 ms
Loss rate: 0.01%
```
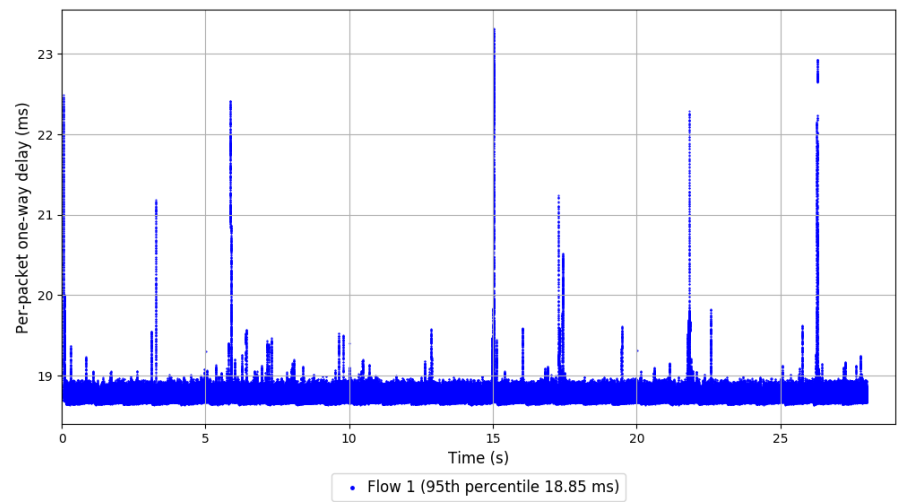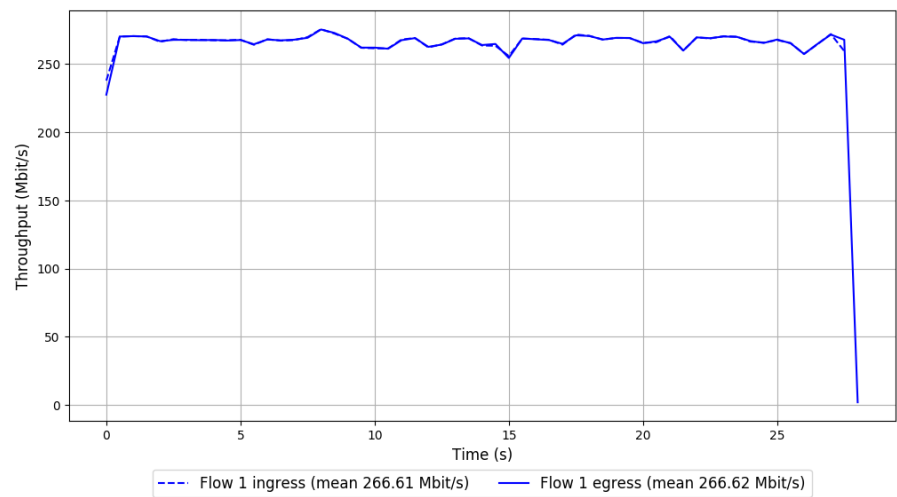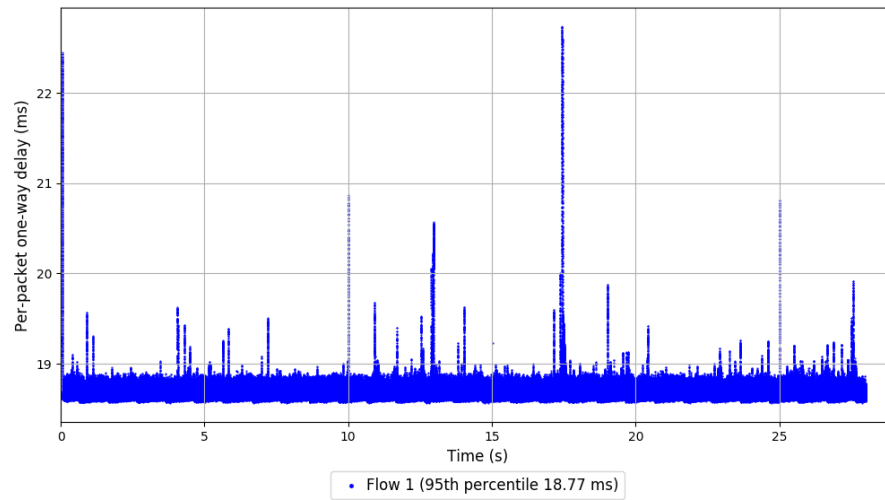
Run 2: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 259.21 Mbit/s)   Flow 1 egress (mean 259.20 Mbit/s)

Flow 1 (95th percentile 17.36 ms)

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

Start at: 2017-12-05 13:55:06
End at: 2017-12-05 13:55:36
Local clock offset: 0.856 ms
Remote clock offset: -2.095 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 263.82 Mbit/s
95th percentile per-packet one-way delay: 18.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 263.82 Mbit/s
95th percentile per-packet one-way delay: 18.839 ms
Loss rate: 0.00%
```
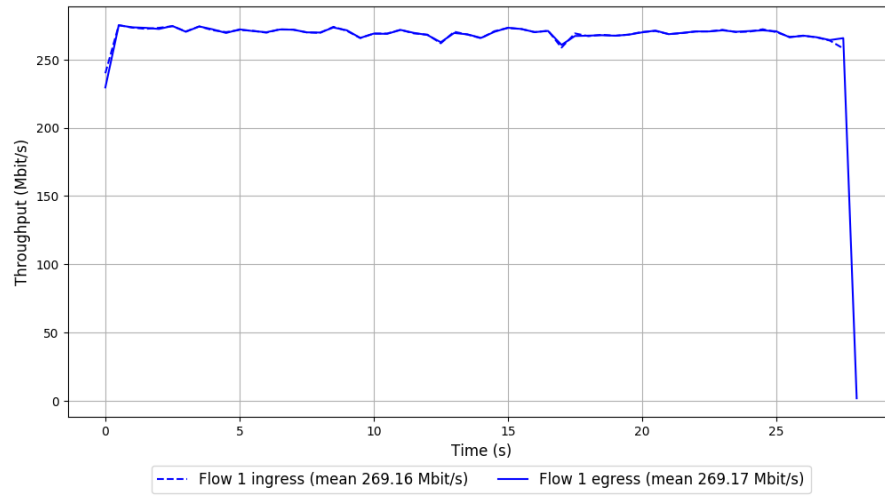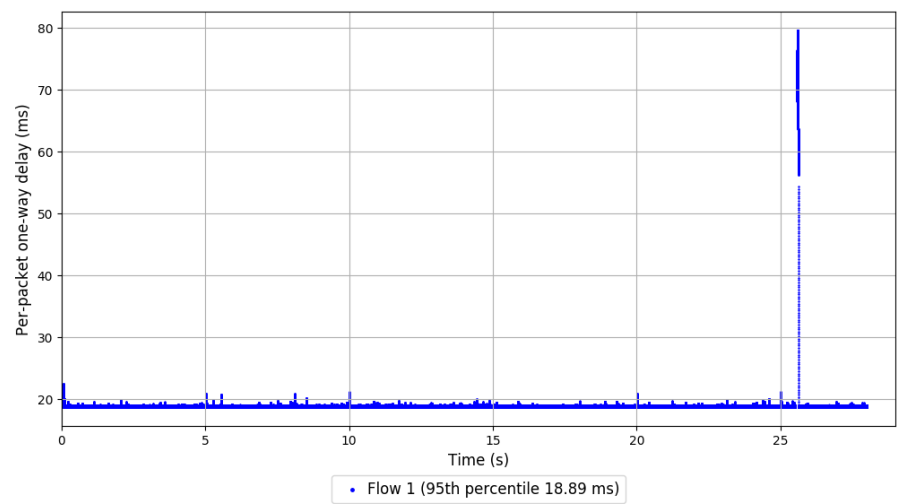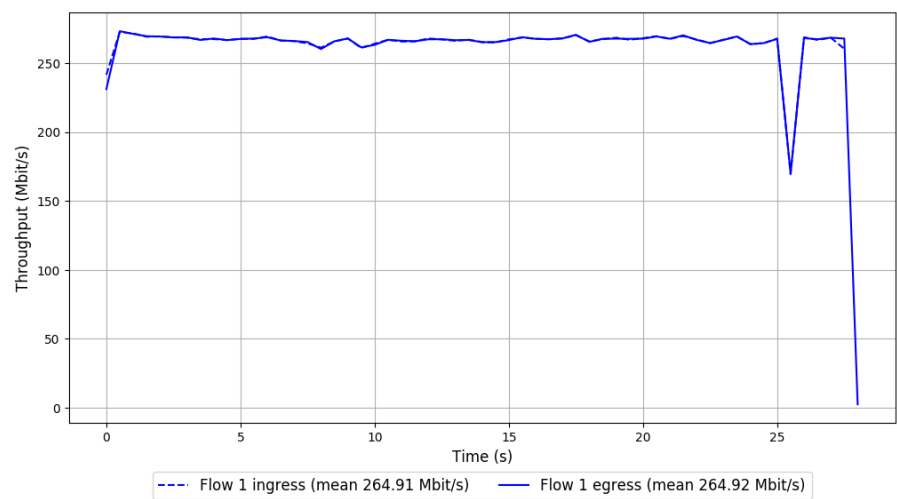
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 263.81 Mbit/s) Flow 1 egress (mean 263.82 Mbit/s)
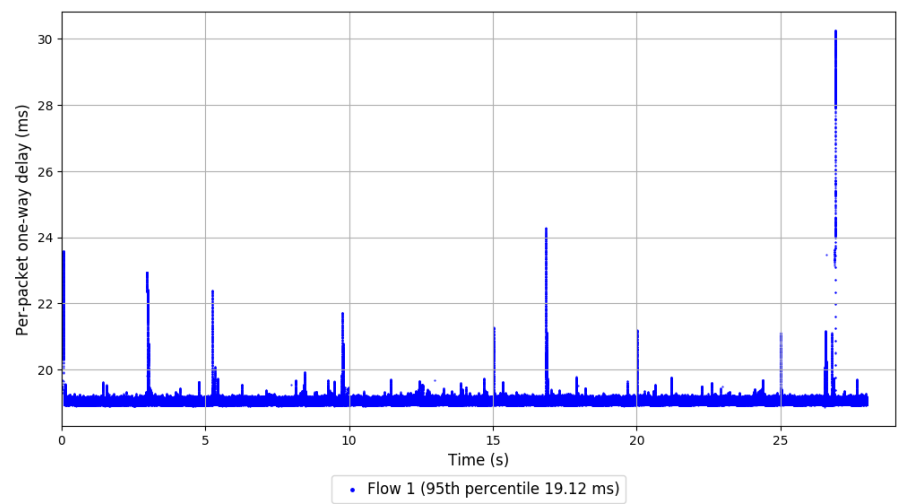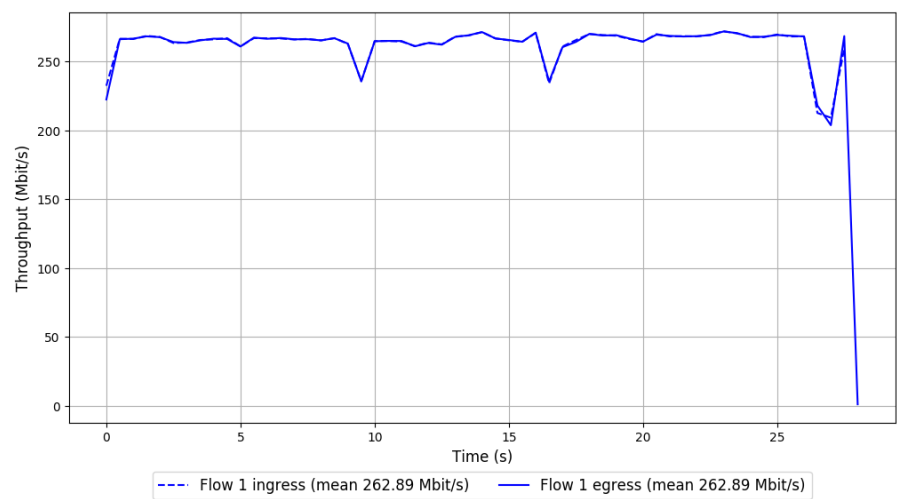

Flow 1 (95th percentile 18.84 ms)

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

Start at: 2017-12-05 14:14:06
End at: 2017-12-05 14:14:36
Local clock offset: 0.843 ms
Remote clock offset: -2.16 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.62 Mbit/s
95th percentile per-packet one-way delay: 18.847 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 266.62 Mbit/s
95th percentile per-packet one-way delay: 18.847 ms
Loss rate: 0.00%
```
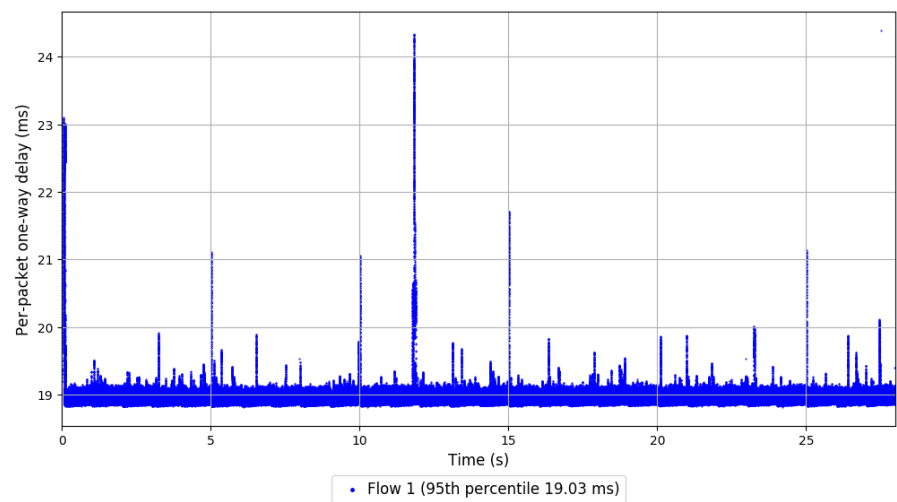
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 266.61 Mbit/s)   Flow 1 egress (mean 266.62 Mbit/s)

Flow 1 (95th percentile 18.85 ms)

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

Start at: 2017-12-05 14:33:05
End at: 2017-12-05 14:33:35
Local clock offset: 1.246 ms
Remote clock offset: -2.251 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 269.17 Mbit/s
95th percentile per-packet one-way delay: 18.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 269.17 Mbit/s
95th percentile per-packet one-way delay: 18.772 ms
Loss rate: 0.00%
```
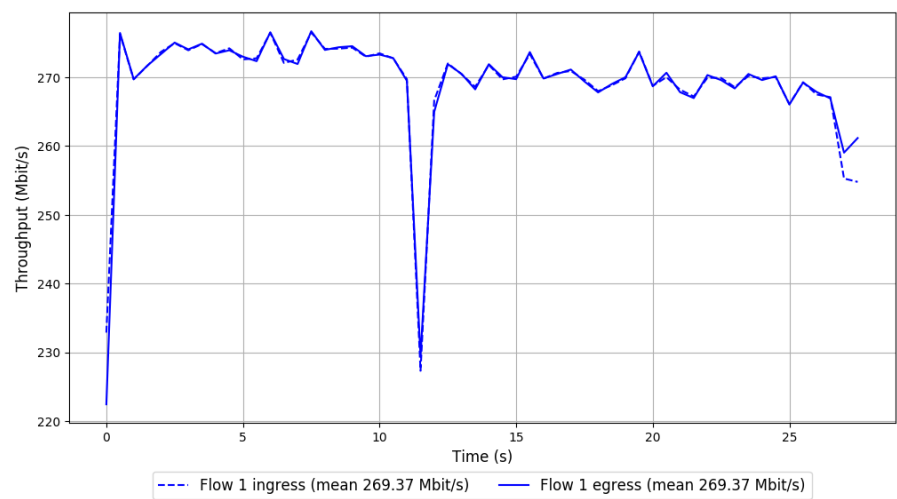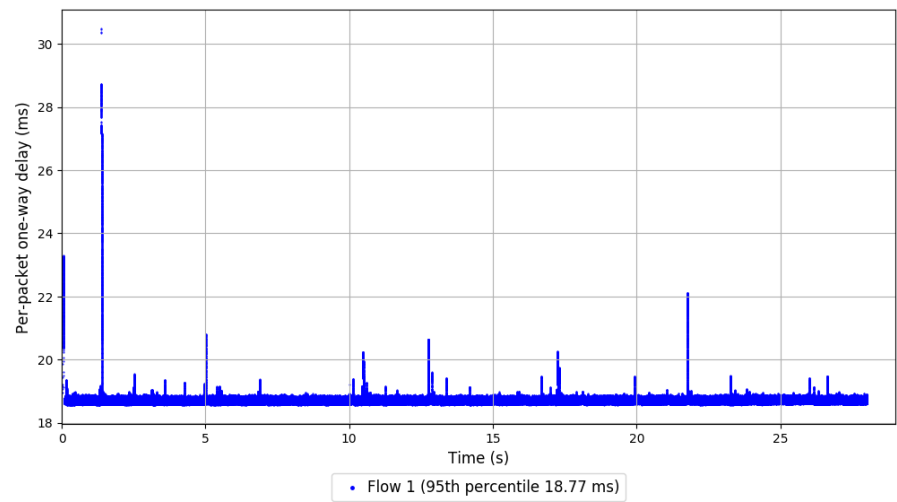
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 269.16 Mbit/s) — Flow 1 egress (mean 269.17 Mbit/s)

• Flow 1 (95th percentile 18.77 ms)

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

Start at: 2017-12-05 14:52:03
End at: 2017-12-05 14:52:33
Local clock offset: 1.717 ms
Remote clock offset: -2.134 ms


# Below is generated by plot.py at 2017-12-05 18:23:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 264.92 Mbit/s
95th percentile per-packet one-way delay: 18.895 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 264.92 Mbit/s
95th percentile per-packet one-way delay: 18.895 ms
Loss rate: 0.00%
```
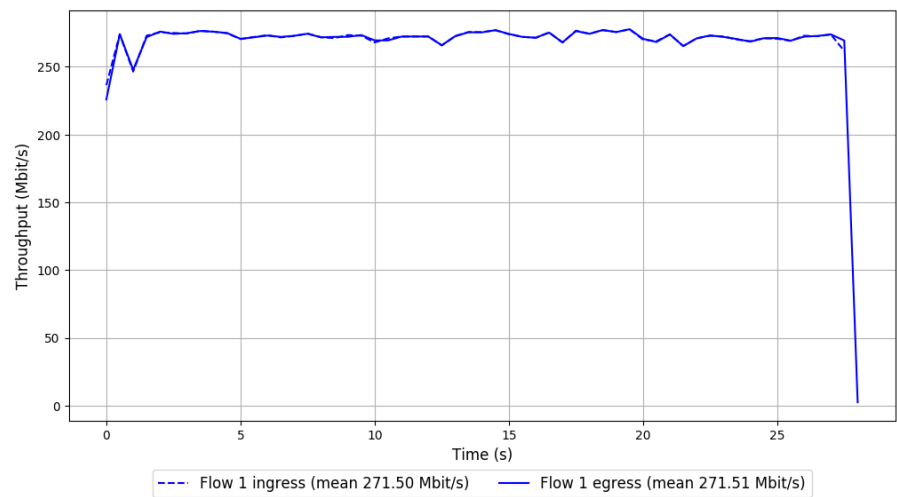
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 264.91 Mbit/s)   Flow 1 egress (mean 264.92 Mbit/s)

Flow 1 (95th percentile 18.89 ms)

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

Start at: 2017-12-05 15:11:00
End at: 2017-12-05 15:11:30
Local clock offset: 2.14 ms
Remote clock offset: -1.616 ms


# Below is generated by plot.py at 2017-12-05 18:28:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 262.89 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 262.89 Mbit/s
95th percentile per-packet one-way delay: 19.118 ms
Loss rate: 0.00%
```
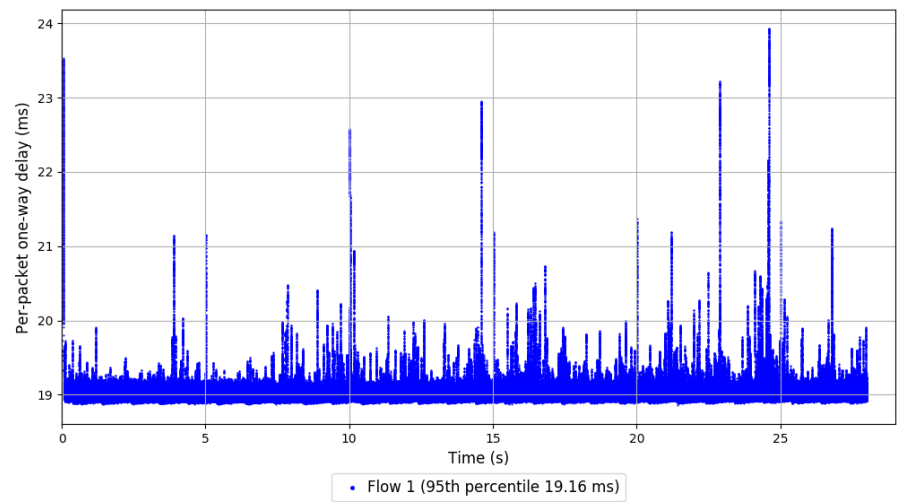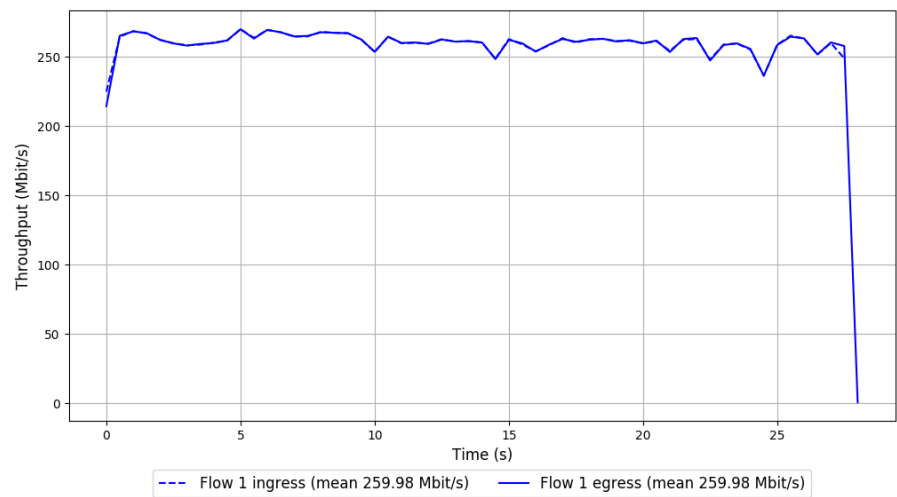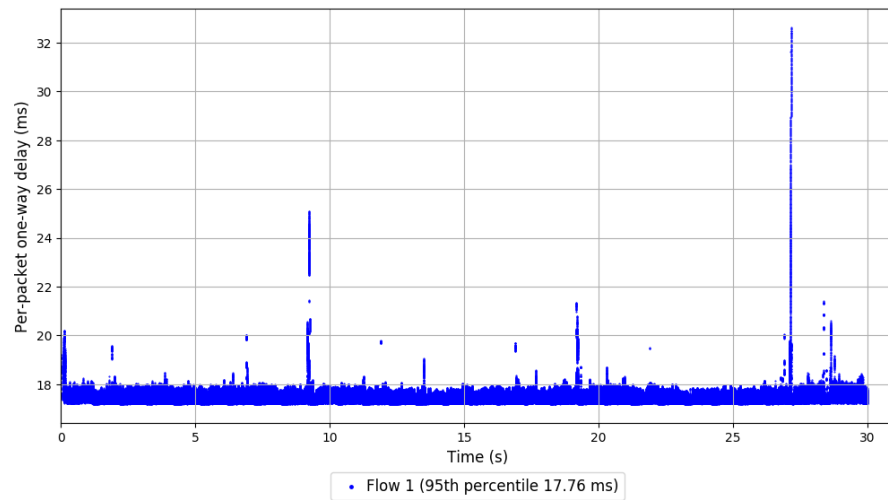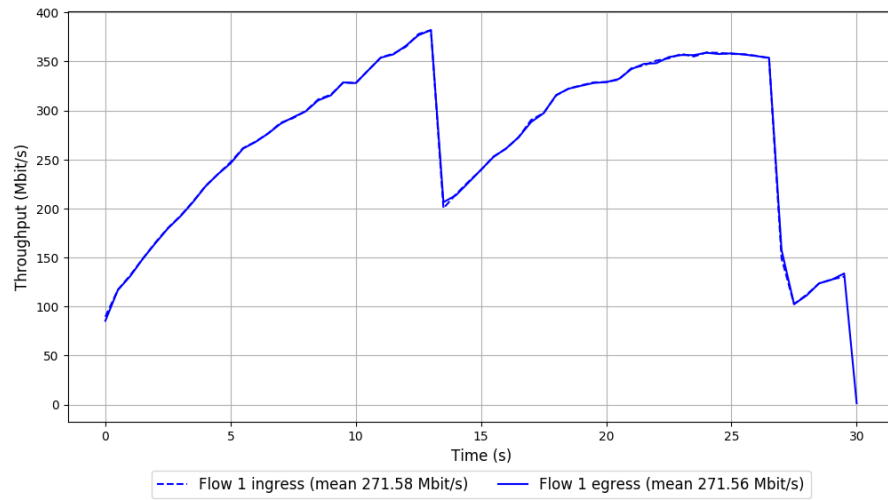
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 262.89 Mbit/s)   Flow 1 egress (mean 262.89 Mbit/s)

Flow 1 (95th percentile 19.12 ms)

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

Start at: 2017-12-05 15:29:47
End at: 2017-12-05 15:30:18
Local clock offset: 2.099 ms
Remote clock offset: -1.919 ms


# Below is generated by plot.py at 2017-12-05 18:28:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 269.37 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 269.37 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.00%
```
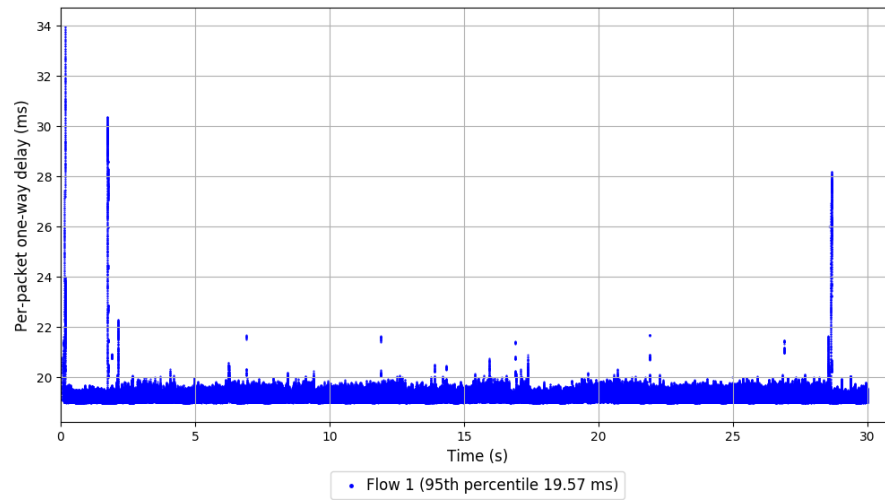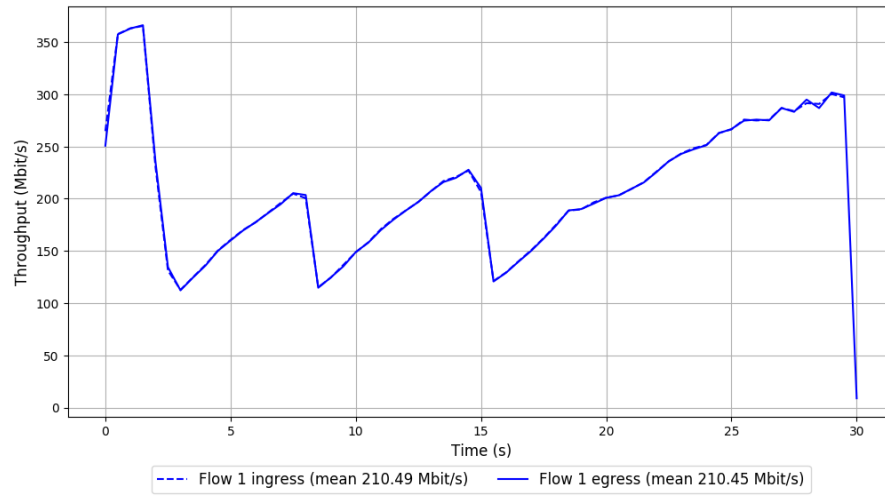
Run 8: Report of TaoVA-100x — Data Link

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

Start at: 2017-12-05 15:48:40
End at: 2017-12-05 15:49:11
Local clock offset: 2.239 ms
Remote clock offset: -1.854 ms


# Below is generated by plot.py at 2017-12-05 18:28:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.51 Mbit/s
95th percentile per-packet one-way delay: 18.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 271.51 Mbit/s
95th percentile per-packet one-way delay: 18.770 ms
Loss rate: 0.00%
```
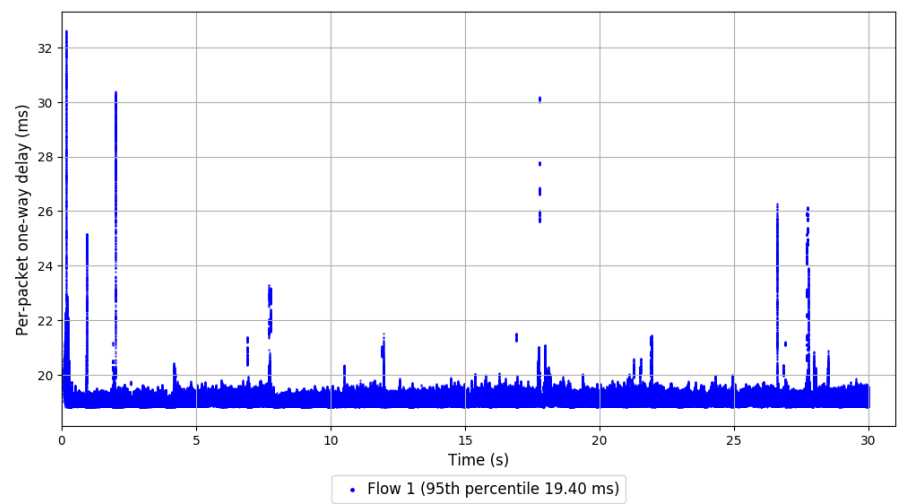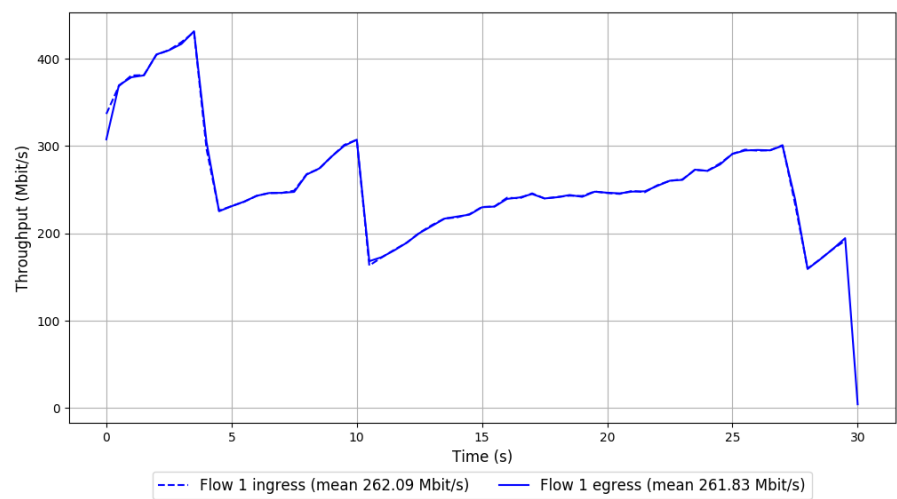
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 271.50 Mbit/s) ---- Flow 1 egress (mean 271.51 Mbit/s)

Flow 1 (95th percentile 18.77 ms)

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

Start at: 2017-12-05 16:07:37
End at: 2017-12-05 16:08:07
Local clock offset: 2.585 ms
Remote clock offset: -1.698 ms


# Below is generated by plot.py at 2017-12-05 18:28:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 259.98 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 259.98 Mbit/s
95th percentile per-packet one-way delay: 19.164 ms
Loss rate: 0.00%
```

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

Flow 1 ingress (mean 259.98 Mbit/s)   Flow 1 egress (mean 259.98 Mbit/s)
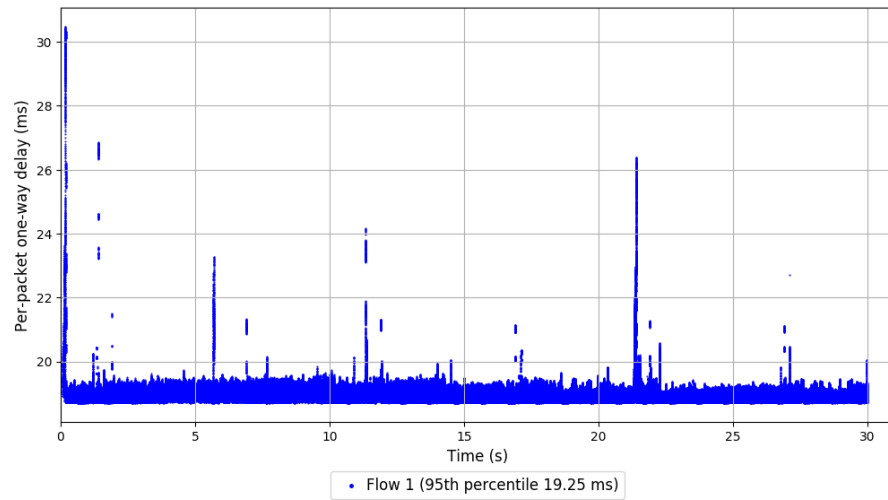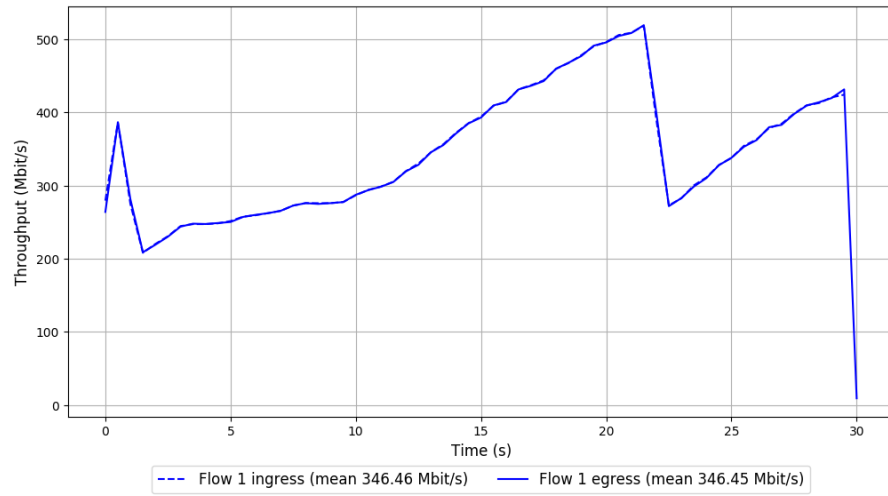

Flow 1 (95th percentile 19.16 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2017-12-05 13:16:07
End at: 2017-12-05 13:16:37
Local clock offset: 0.798 ms
Remote clock offset: -1.943 ms


# Below is generated by plot.py at 2017-12-05 18:28:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.56 Mbit/s
95th percentile per-packet one-way delay: 17.759 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 271.56 Mbit/s
95th percentile per-packet one-way delay: 17.759 ms
Loss rate: 0.01%
```
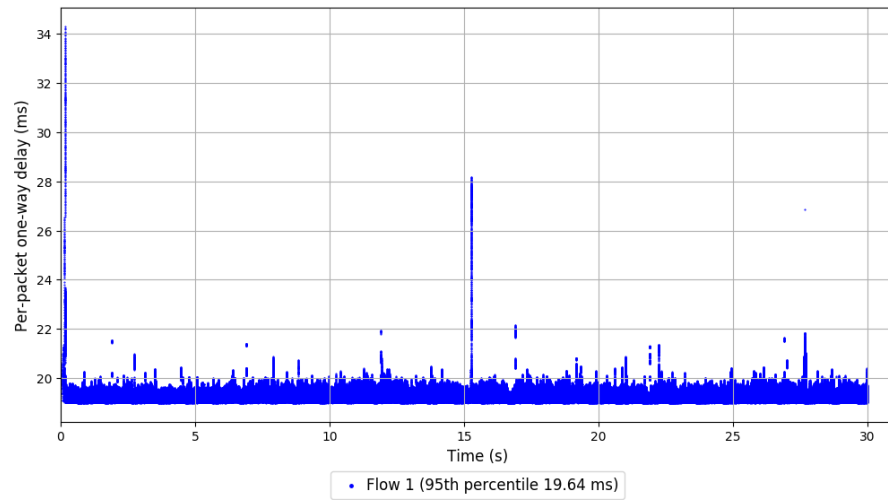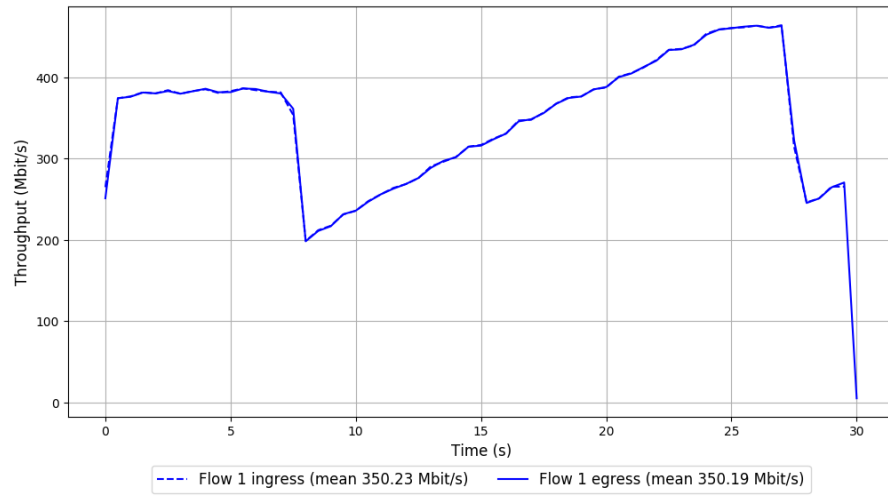
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2017-12-05 13:34:53
End at: 2017-12-05 13:35:23
Local clock offset: 0.686 ms
Remote clock offset: -2.264 ms


# Below is generated by plot.py at 2017-12-05 18:28:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.45 Mbit/s
95th percentile per-packet one-way delay: 19.566 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 210.45 Mbit/s
95th percentile per-packet one-way delay: 19.566 ms
Loss rate: 0.02%
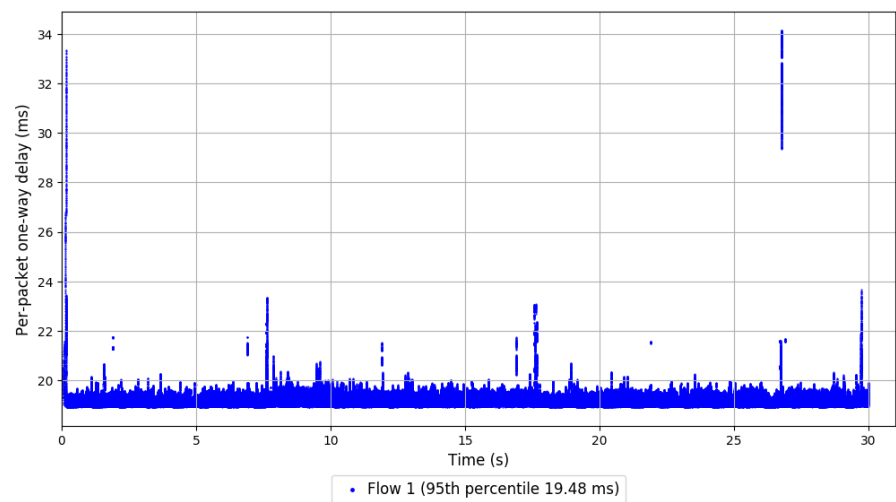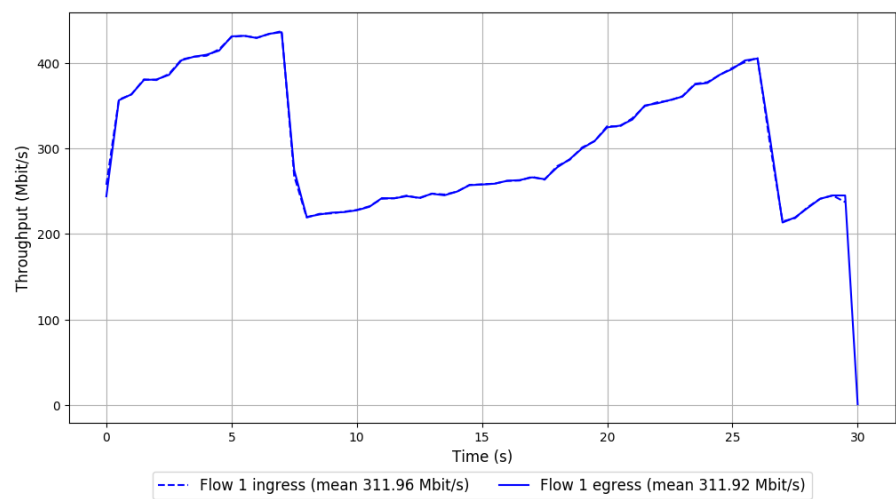```

Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2017-12-05 13:53:46
End at: 2017-12-05 13:54:16
Local clock offset: 0.883 ms
Remote clock offset: -2.181 ms

Below is generated by plot.py at 2017-12-05 18:28:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 261.83 Mbit/s
95th percentile per-packet one-way delay: 19.404 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 261.83 Mbit/s
95th percentile per-packet one-way delay: 19.404 ms
Loss rate: 0.10%
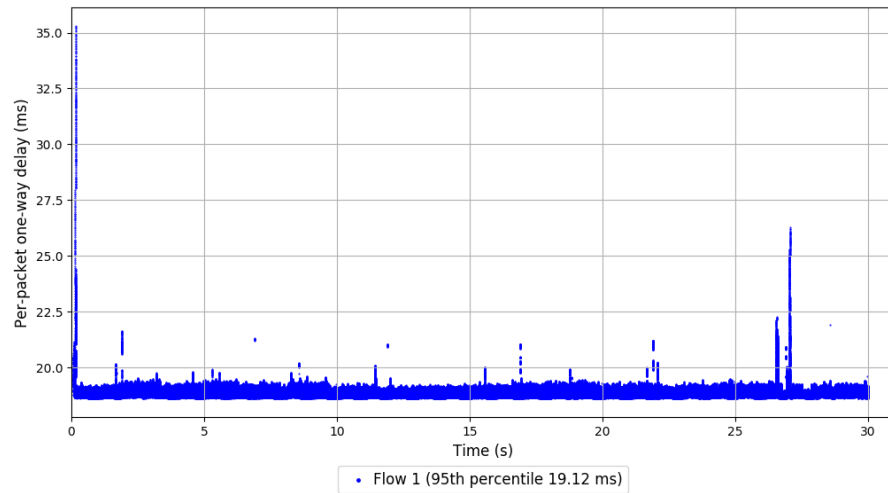```

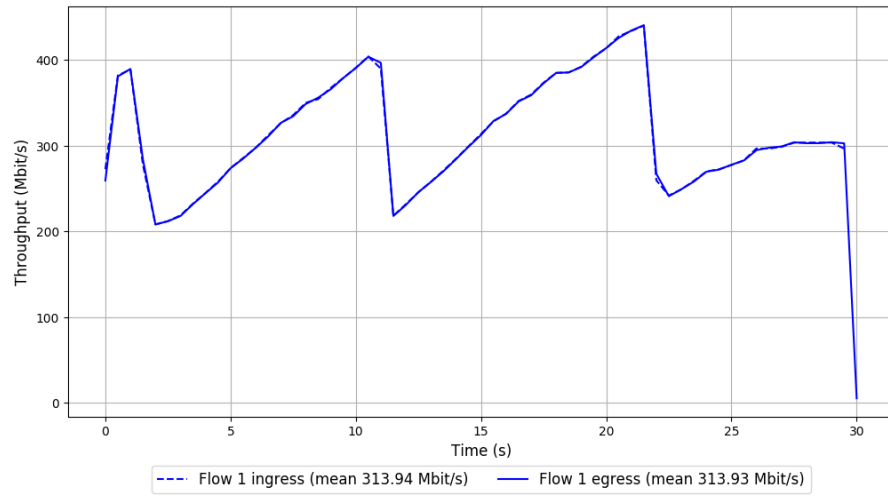Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2017-12-05 14:12:42
End at: 2017-12-05 14:13:12
Local clock offset: 0.924 ms
Remote clock offset: -2.034 ms


# Below is generated by plot.py at 2017-12-05 18:28:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.45 Mbit/s
95th percentile per-packet one-way delay: 19.254 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 346.45 Mbit/s
95th percentile per-packet one-way delay: 19.254 ms
Loss rate: 0.01%
```
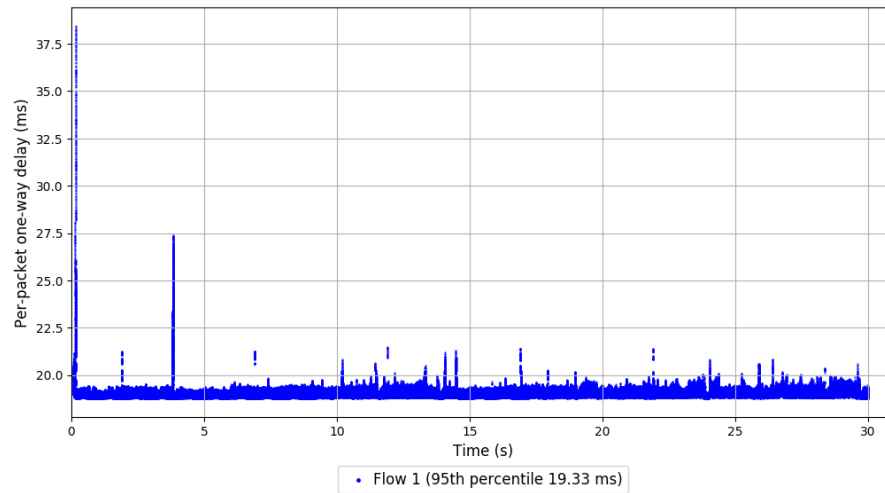
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2017-12-05 14:31:41
End at: 2017-12-05 14:32:11
Local clock offset: 1.094 ms
Remote clock offset: -2.231 ms


# Below is generated by plot.py at 2017-12-05 18:30:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 350.19 Mbit/s
95th percentile per-packet one-way delay: 19.638 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 350.19 Mbit/s
95th percentile per-packet one-way delay: 19.638 ms
Loss rate: 0.01%
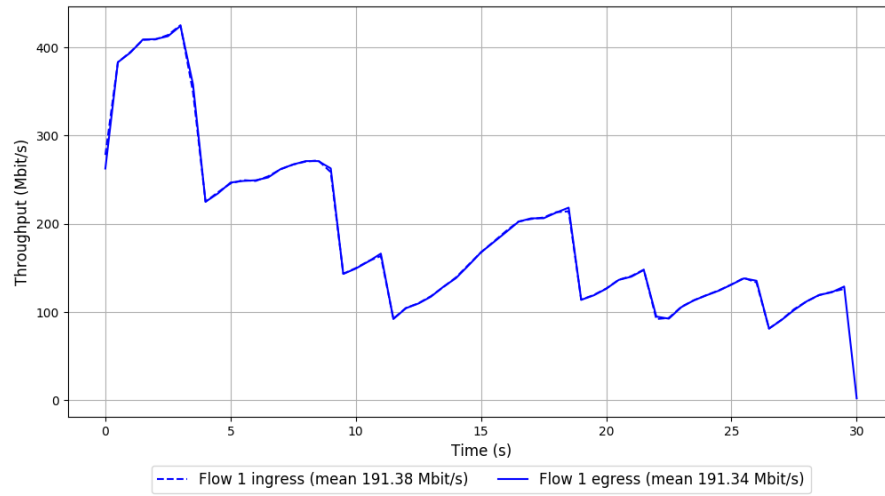```
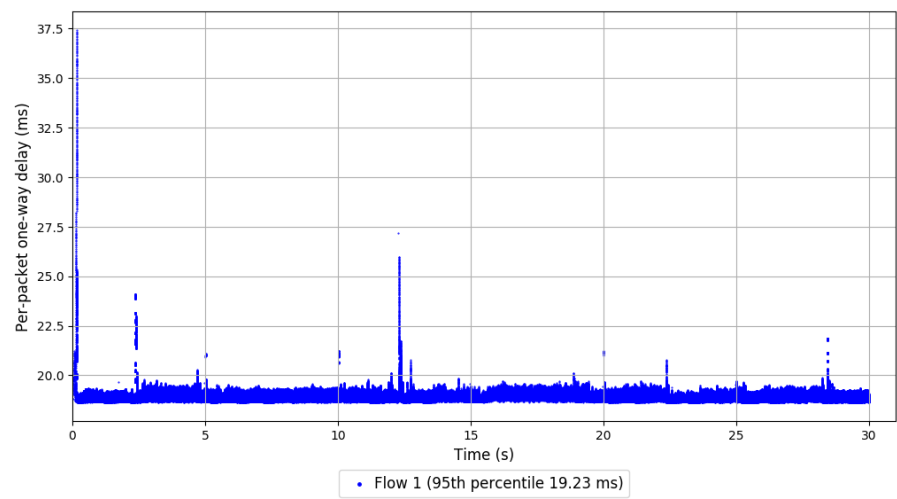
## Run 5: Report of TCP Vegas — Data Link



Flow 1 ingress (mean 350.23 Mbit/s)    Flow 1 egress (mean 350.19 Mbit/s)



Flow 1 (95th percentile 19.64 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2017-12-05 14:50:41
End at: 2017-12-05 14:51:11
Local clock offset: 1.704 ms
Remote clock offset: -2.177 ms

Below is generated by plot.py at 2017-12-05 18:30:51
Datalink statistics
-- Total of 1 flow:
Average throughput: 311.92 Mbit/s
95th percentile per-packet one-way delay: 19.483 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 311.92 Mbit/s
95th percentile per-packet one-way delay: 19.483 ms
Loss rate: 0.01%
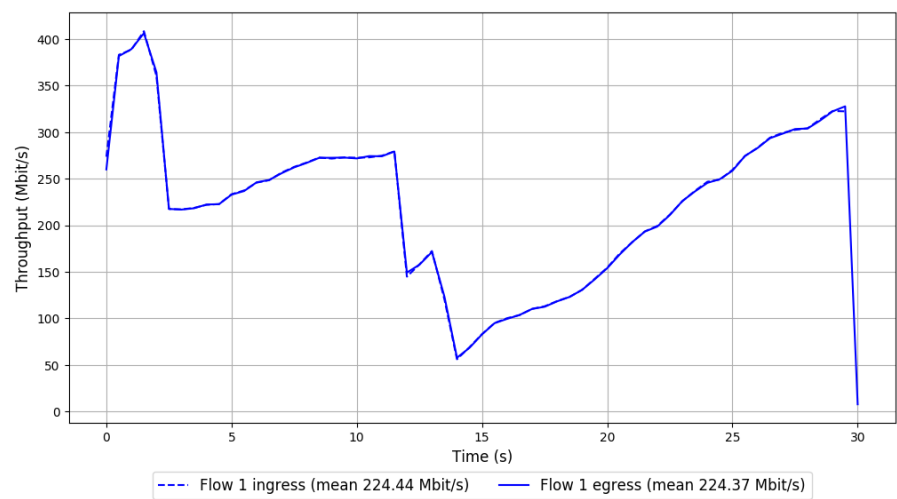```

Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2017-12-05 15:09:38
End at: 2017-12-05 15:10:08
Local clock offset: 2.126 ms
Remote clock offset: -1.722 ms


# Below is generated by plot.py at 2017-12-05 18:31:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 313.93 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 313.93 Mbit/s
95th percentile per-packet one-way delay: 19.125 ms
Loss rate: 0.00%
```
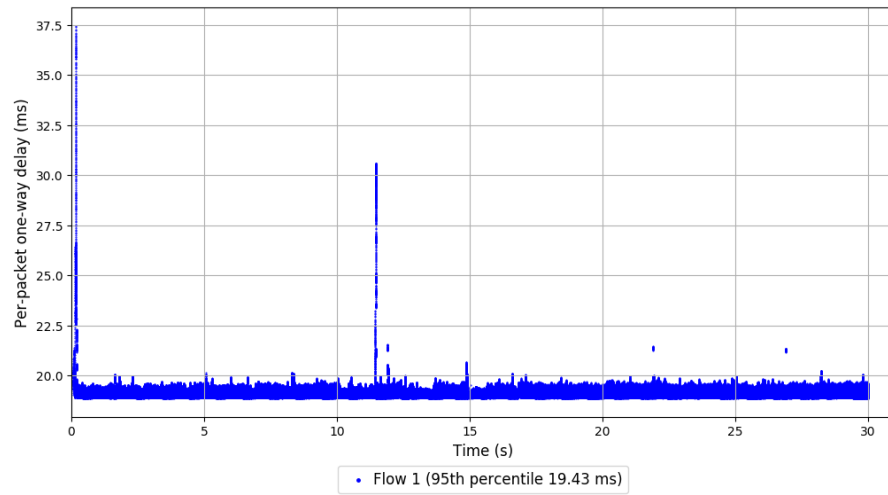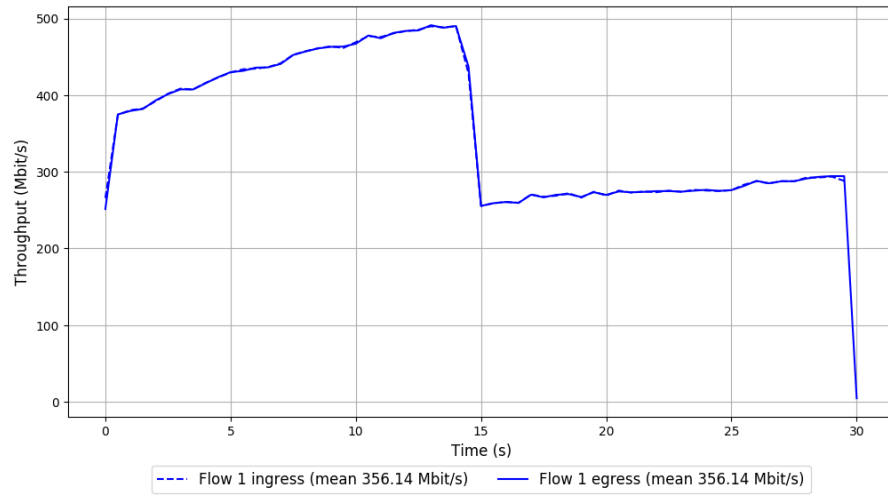
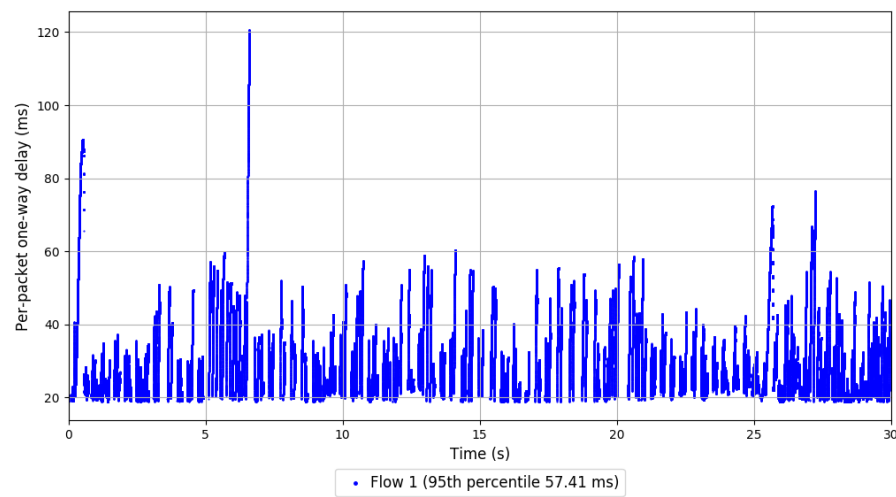## Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: 2017-12-05 15:28:30
End at: 2017-12-05 15:29:00
Local clock offset: 2.03 ms
Remote clock offset: -1.829 ms


# Below is generated by plot.py at 2017-12-05 18:31:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.34 Mbit/s
95th percentile per-packet one-way delay: 19.327 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 191.34 Mbit/s
95th percentile per-packet one-way delay: 19.327 ms
Loss rate: 0.02%
```
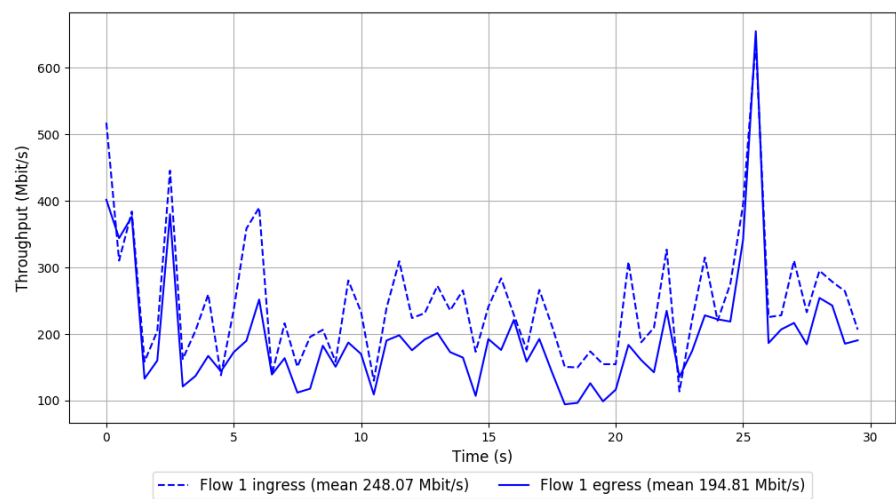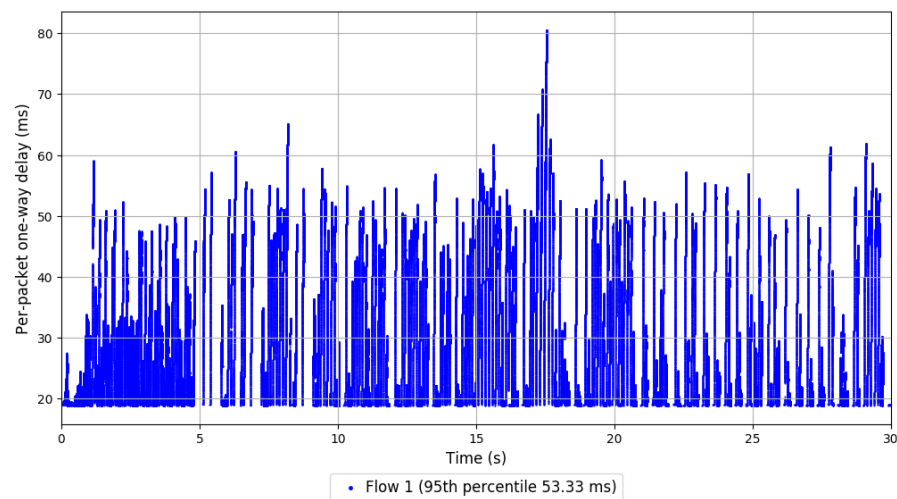
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 191.38 Mbit/s)   Flow 1 egress (mean 191.34 Mbit/s)

Flow 1 (95th percentile 19.33 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2017-12-05 15:47:21
End at: 2017-12-05 15:47:51
Local clock offset: 2.222 ms
Remote clock offset: -1.823 ms


# Below is generated by plot.py at 2017-12-05 18:31:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.37 Mbit/s
95th percentile per-packet one-way delay: 19.234 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 224.37 Mbit/s
95th percentile per-packet one-way delay: 19.234 ms
Loss rate: 0.03%
```

Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 224.44 Mbit/s)   Flow 1 egress (mean 224.37 Mbit/s)
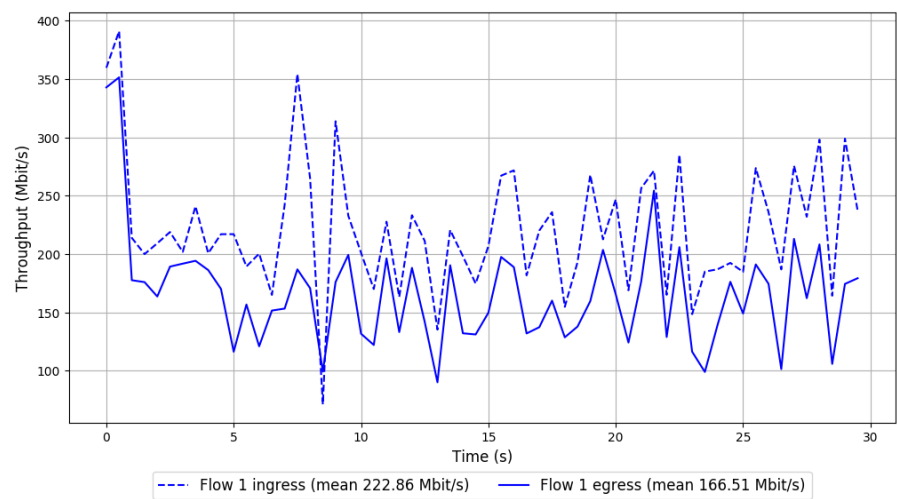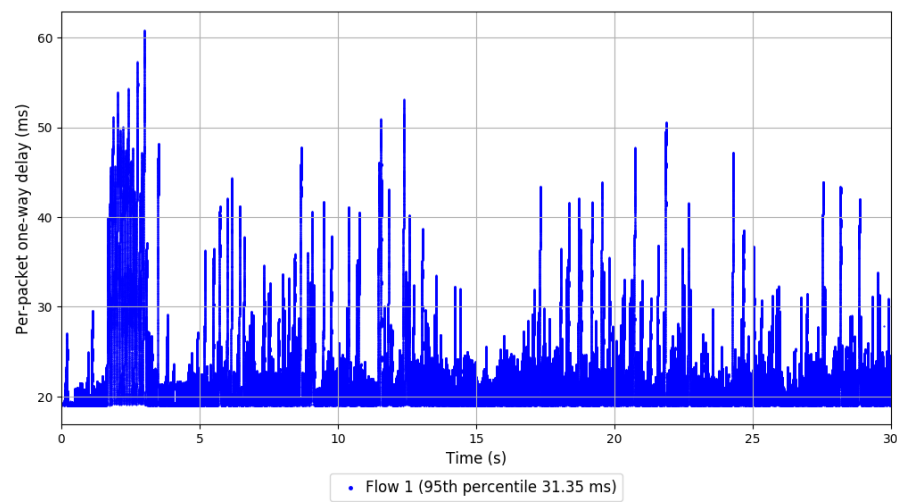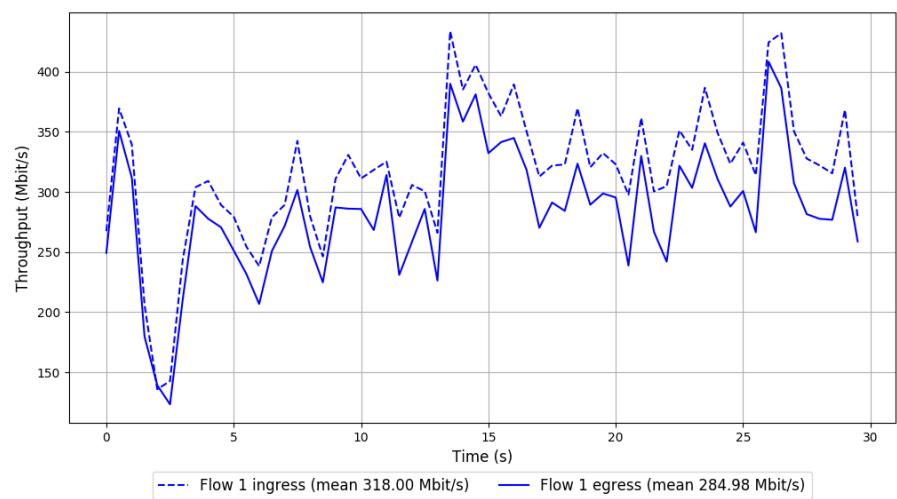

• Flow 1 (95th percentile 19.23 ms)

```
Run 10: Statistics of TCP Vegas

Start at: 2017-12-05 16:06:13
End at: 2017-12-05 16:06:43
Local clock offset: 2.576 ms
Remote clock offset: -1.745 ms


# Below is generated by plot.py at 2017-12-05 18:33:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.14 Mbit/s
95th percentile per-packet one-way delay: 19.426 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 356.14 Mbit/s
95th percentile per-packet one-way delay: 19.426 ms
Loss rate: 0.00%
```
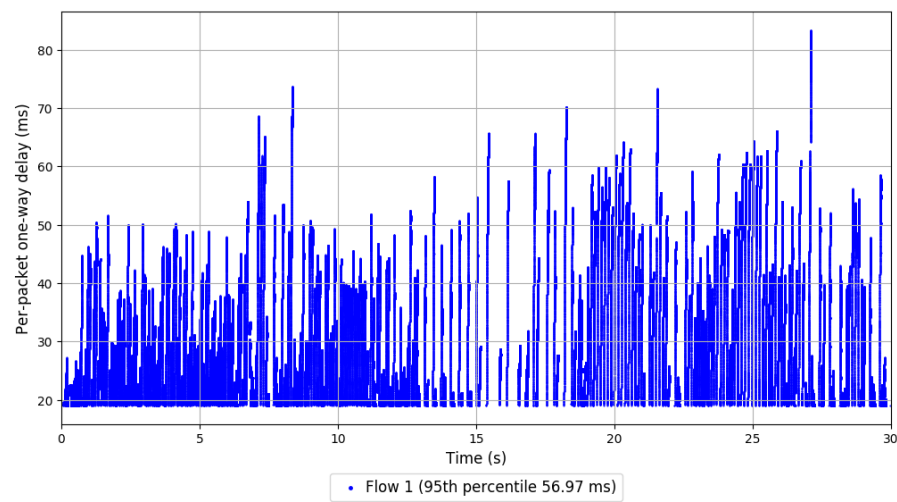
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2017-12-05 13:01:14
End at: 2017-12-05 13:01:44
Local clock offset: 0.988 ms
Remote clock offset: -2.008 ms


# Below is generated by plot.py at 2017-12-05 18:33:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.81 Mbit/s
95th percentile per-packet one-way delay: 57.412 ms
Loss rate: 21.42%
-- Flow 1:
Average throughput: 194.81 Mbit/s
95th percentile per-packet one-way delay: 57.412 ms
Loss rate: 21.42%
```
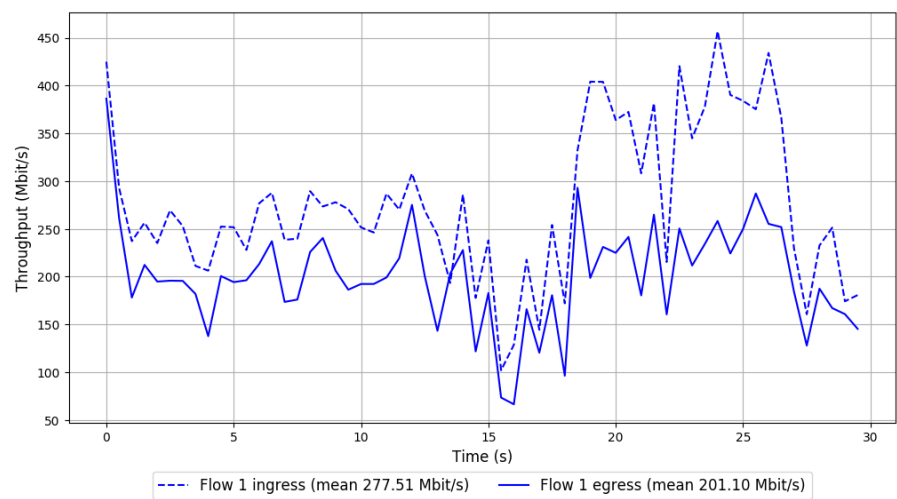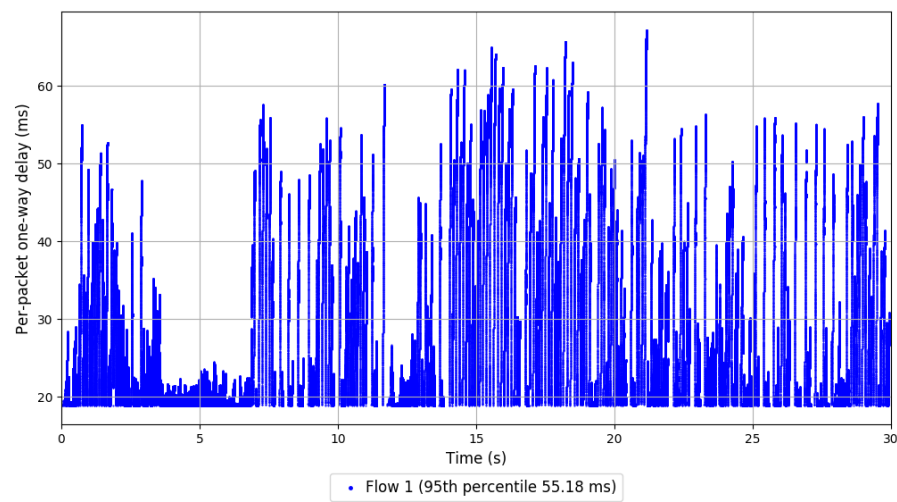
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2017-12-05 13:20:13
End at: 2017-12-05 13:20:43
Local clock offset: 0.701 ms
Remote clock offset: -2.076 ms


# Below is generated by plot.py at 2017-12-05 18:33:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 166.51 Mbit/s
95th percentile per-packet one-way delay: 53.328 ms
Loss rate: 25.28%
-- Flow 1:
Average throughput: 166.51 Mbit/s
95th percentile per-packet one-way delay: 53.328 ms
Loss rate: 25.28%
```
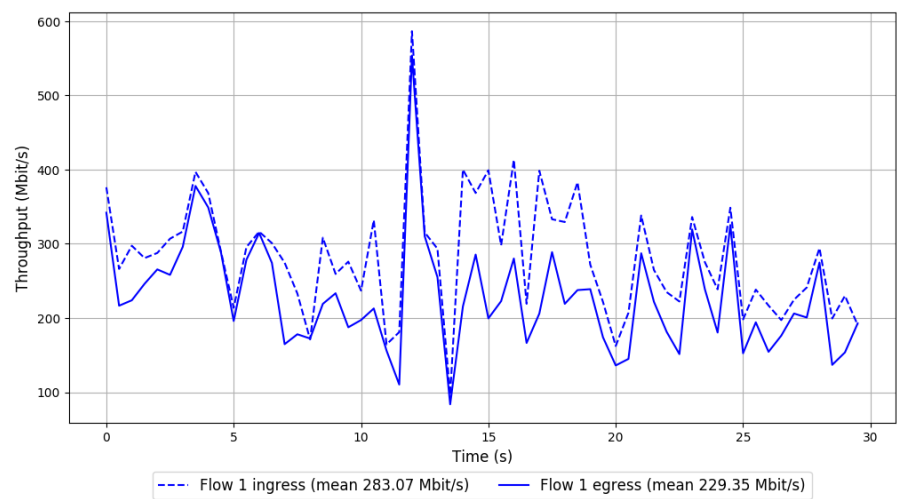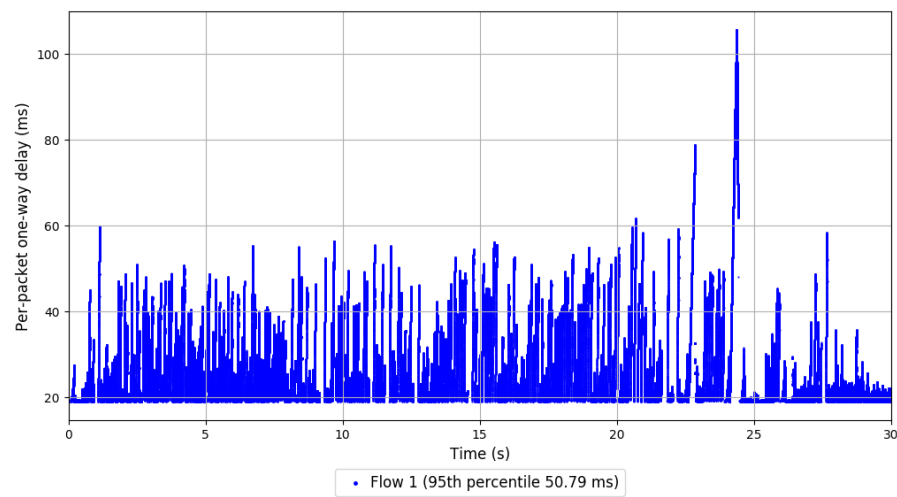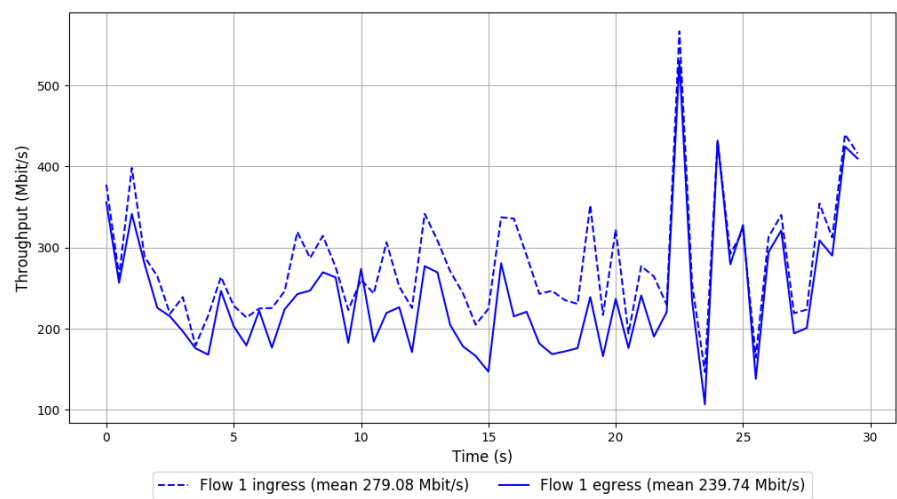
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2017-12-05 13:38:53
End at: 2017-12-05 13:39:23
Local clock offset: 0.698 ms
Remote clock offset: -2.194 ms


# Below is generated by plot.py at 2017-12-05 18:35:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 284.98 Mbit/s
95th percentile per-packet one-way delay: 31.354 ms
Loss rate: 10.38%
-- Flow 1:
Average throughput: 284.98 Mbit/s
95th percentile per-packet one-way delay: 31.354 ms
Loss rate: 10.38%
```

Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2017-12-05 13:57:52
End at: 2017-12-05 13:58:22
Local clock offset: 0.774 ms
Remote clock offset: -1.999 ms


# Below is generated by plot.py at 2017-12-05 18:35:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.10 Mbit/s
95th percentile per-packet one-way delay: 56.971 ms
Loss rate: 27.53%
-- Flow 1:
Average throughput: 201.10 Mbit/s
95th percentile per-packet one-way delay: 56.971 ms
Loss rate: 27.53%
```
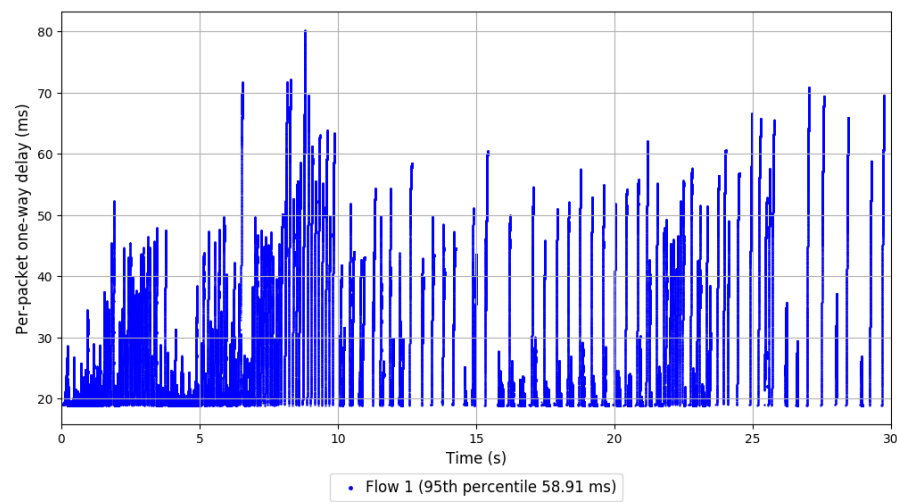
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2017-12-05 14:16:52
End at: 2017-12-05 14:17:22
Local clock offset: 0.908 ms
Remote clock offset: -2.124 ms


# Below is generated by plot.py at 2017-12-05 18:35:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.35 Mbit/s
95th percentile per-packet one-way delay: 55.178 ms
Loss rate: 18.95%
-- Flow 1:
Average throughput: 229.35 Mbit/s
95th percentile per-packet one-way delay: 55.178 ms
Loss rate: 18.95%
```
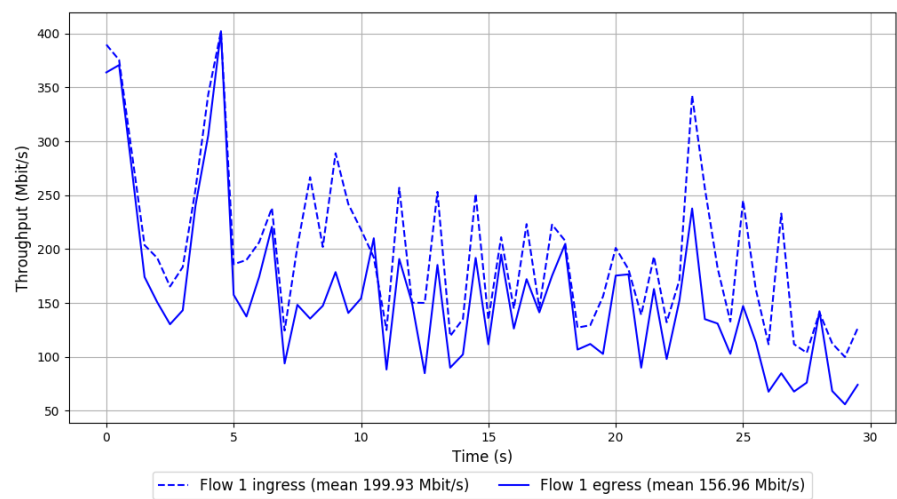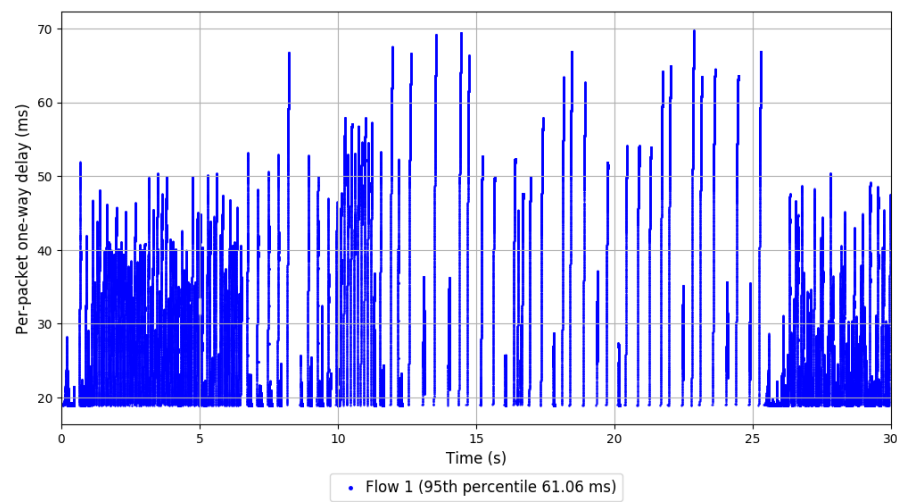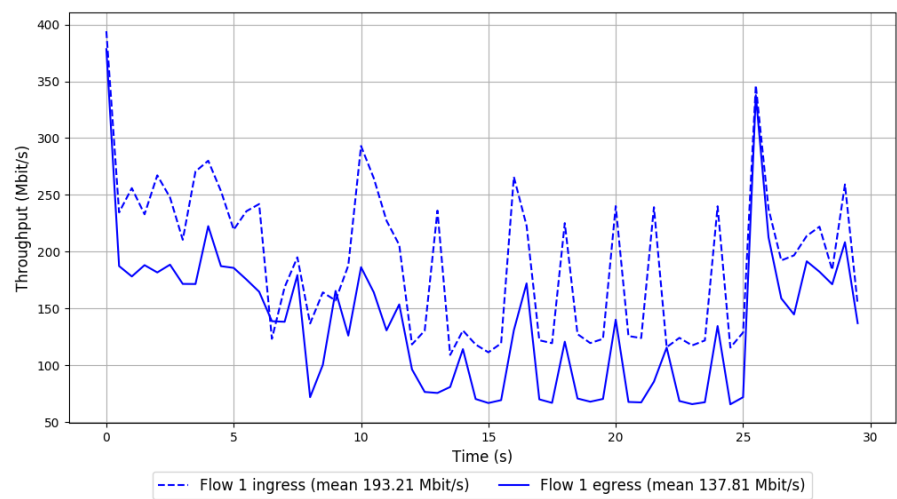
Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 283.07 Mbit/s)   Flow 1 egress (mean 229.35 Mbit/s)
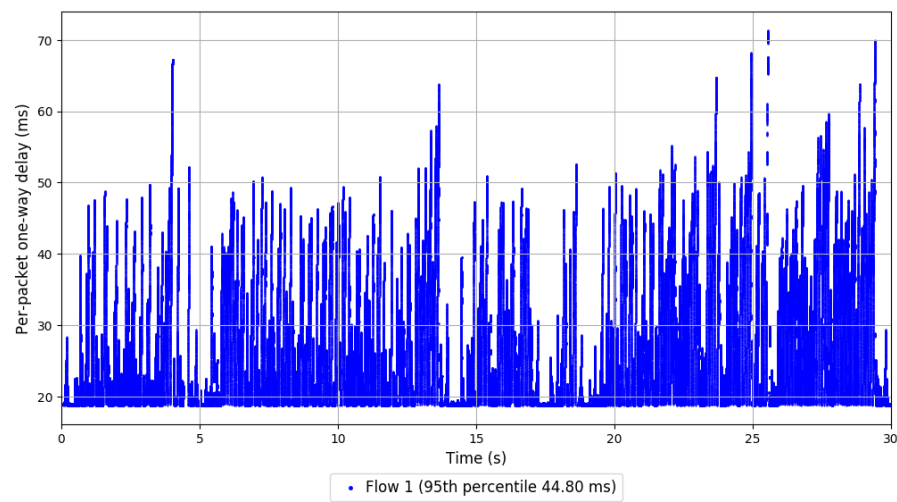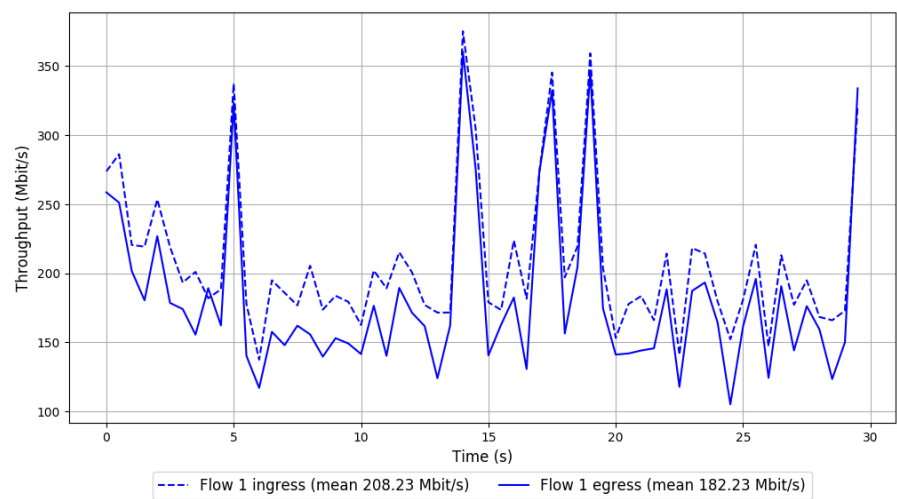

Flow 1 (95th percentile 55.18 ms)

```
Run 6: Statistics of Verus

Start at: 2017-12-05 14:35:47
End at: 2017-12-05 14:36:17
Local clock offset: 1.326 ms
Remote clock offset: -2.054 ms


# Below is generated by plot.py at 2017-12-05 18:35:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.74 Mbit/s
95th percentile per-packet one-way delay: 50.793 ms
Loss rate: 14.09%
-- Flow 1:
Average throughput: 239.74 Mbit/s
95th percentile per-packet one-way delay: 50.793 ms
Loss rate: 14.09%
```
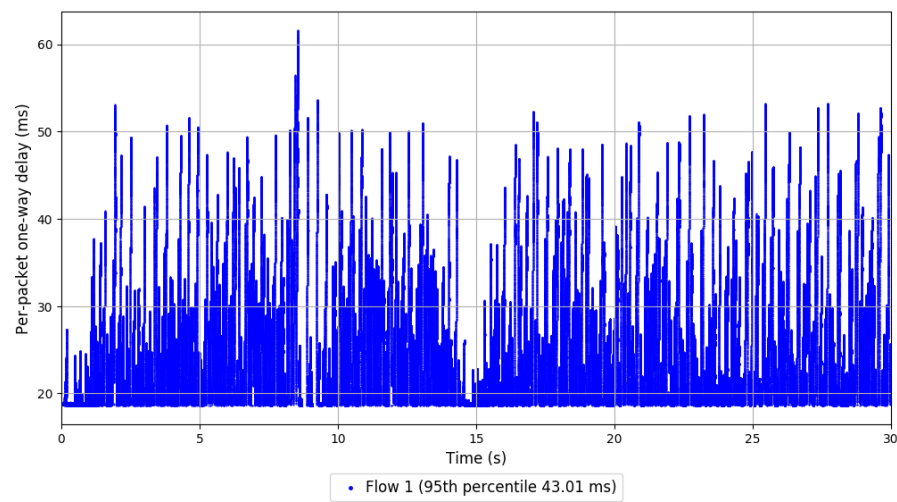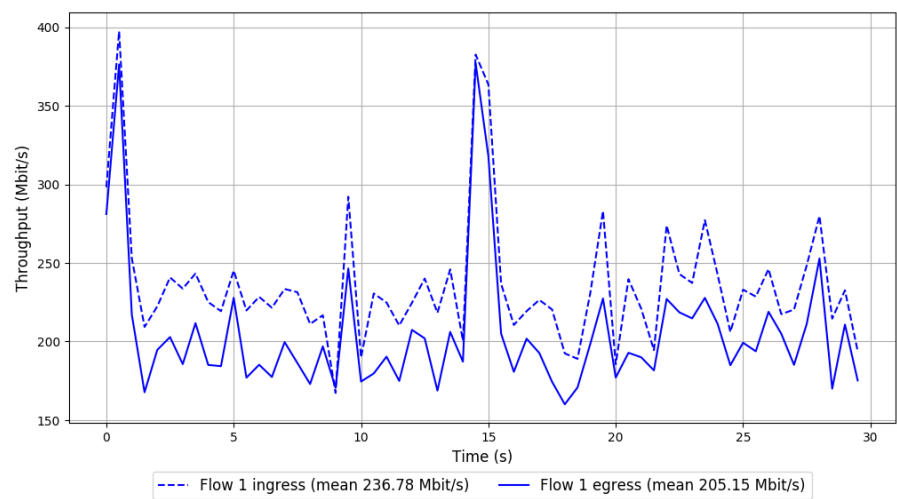
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2017-12-05 14:54:47
End at: 2017-12-05 14:55:17
Local clock offset: 1.872 ms
Remote clock offset: -1.98 ms


# Below is generated by plot.py at 2017-12-05 18:35:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 156.96 Mbit/s
95th percentile per-packet one-way delay: 58.913 ms
Loss rate: 21.36%
-- Flow 1:
Average throughput: 156.96 Mbit/s
95th percentile per-packet one-way delay: 58.913 ms
Loss rate: 21.36%
```

Run 7: Report of Verus — Data Link

Flow 1 ingress (mean 199.93 Mbit/s) --- Flow 1 egress (mean 156.96 Mbit/s)

Flow 1 (95th percentile 58.91 ms)

217

```
Run 8: Statistics of Verus

Start at: 2017-12-05 15:13:43
End at: 2017-12-05 15:14:13
Local clock offset: 2.104 ms
Remote clock offset: -1.729 ms


# Below is generated by plot.py at 2017-12-05 18:35:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 137.81 Mbit/s
95th percentile per-packet one-way delay: 61.057 ms
Loss rate: 28.64%
-- Flow 1:
Average throughput: 137.81 Mbit/s
95th percentile per-packet one-way delay: 61.057 ms
Loss rate: 28.64%
```

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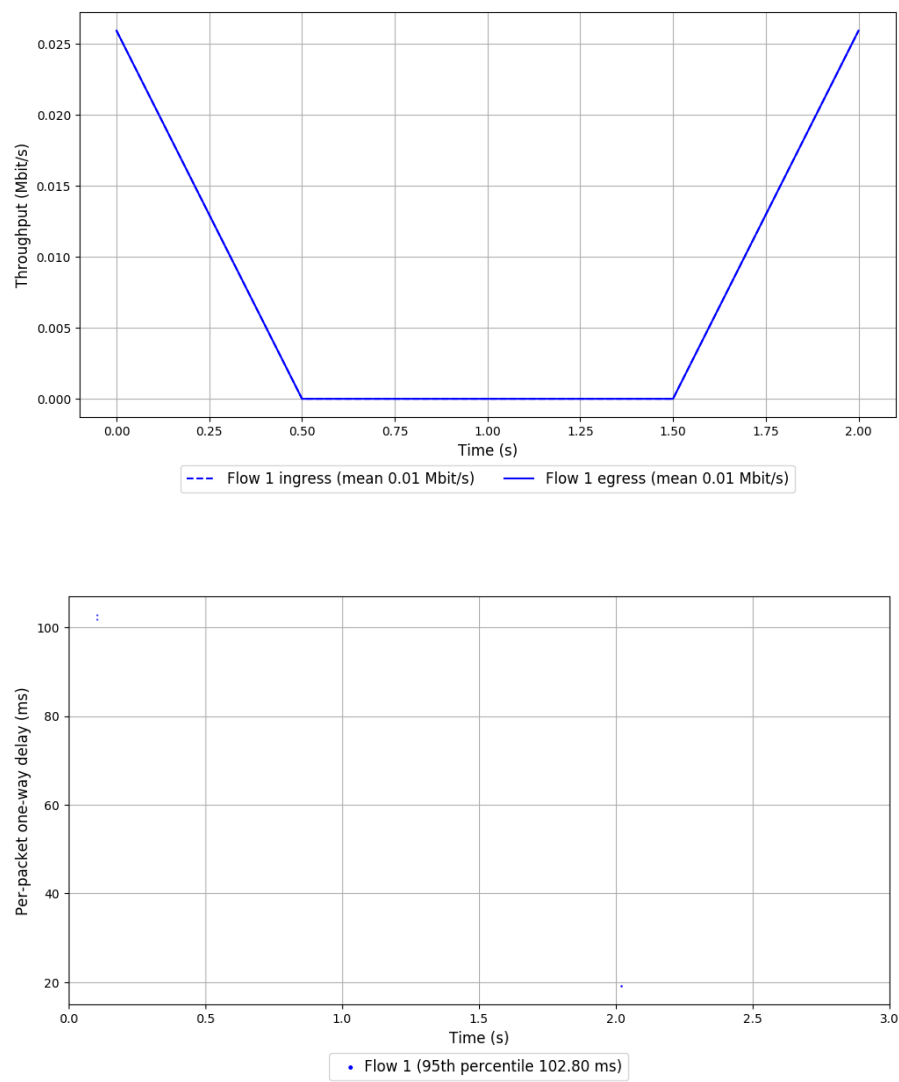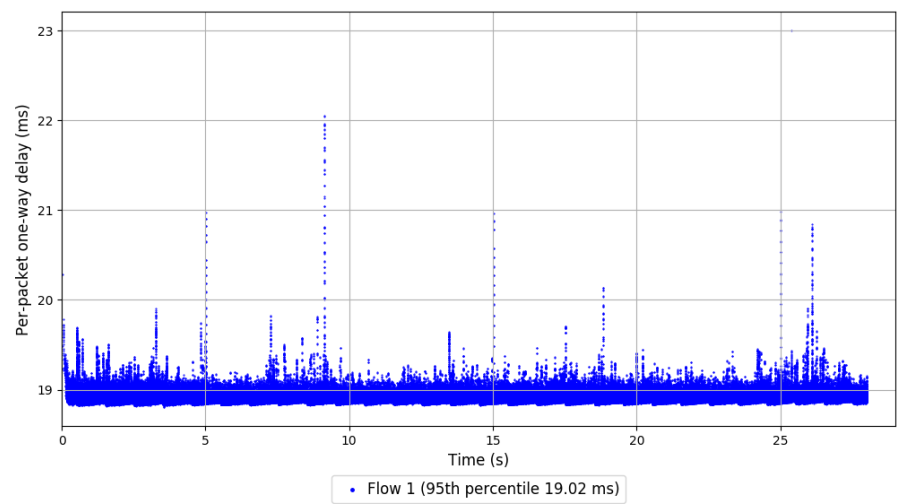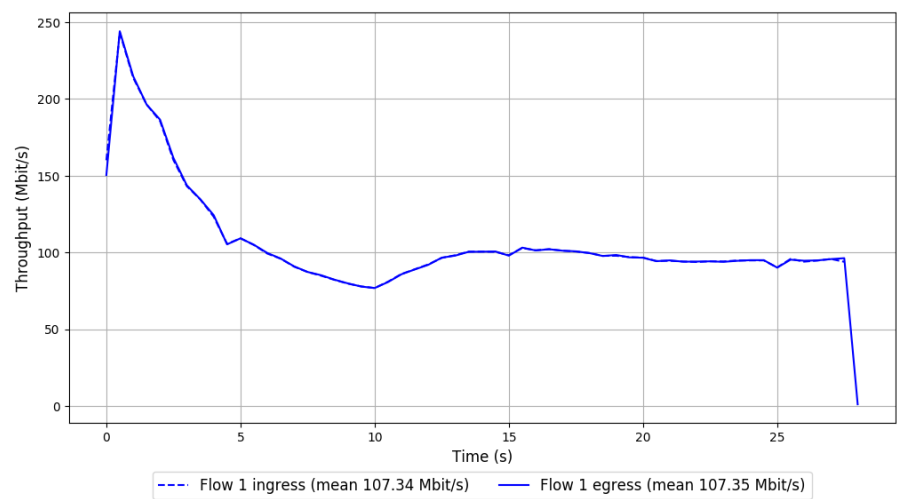
```
Run 9: Statistics of Verus

Start at: 2017-12-05 15:32:33
End at: 2017-12-05 15:33:03
Local clock offset: 2.028 ms
Remote clock offset: -1.916 ms


# Below is generated by plot.py at 2017-12-05 18:35:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.23 Mbit/s
95th percentile per-packet one-way delay: 44.803 ms
Loss rate: 12.49%
-- Flow 1:
Average throughput: 182.23 Mbit/s
95th percentile per-packet one-way delay: 44.803 ms
Loss rate: 12.49%
```

Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 208.23 Mbit/s)   Flow 1 egress (mean 182.23 Mbit/s)

• Flow 1 (95th percentile 44.80 ms)

```
Run 10: Statistics of Verus

Start at: 2017-12-05 15:51:23
End at: 2017-12-05 15:51:53
Local clock offset: 2.302 ms
Remote clock offset: -1.877 ms


# Below is generated by plot.py at 2017-12-05 18:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.15 Mbit/s
95th percentile per-packet one-way delay: 43.012 ms
Loss rate: 13.34%
-- Flow 1:
Average throughput: 205.15 Mbit/s
95th percentile per-packet one-way delay: 43.012 ms
Loss rate: 13.34%
```
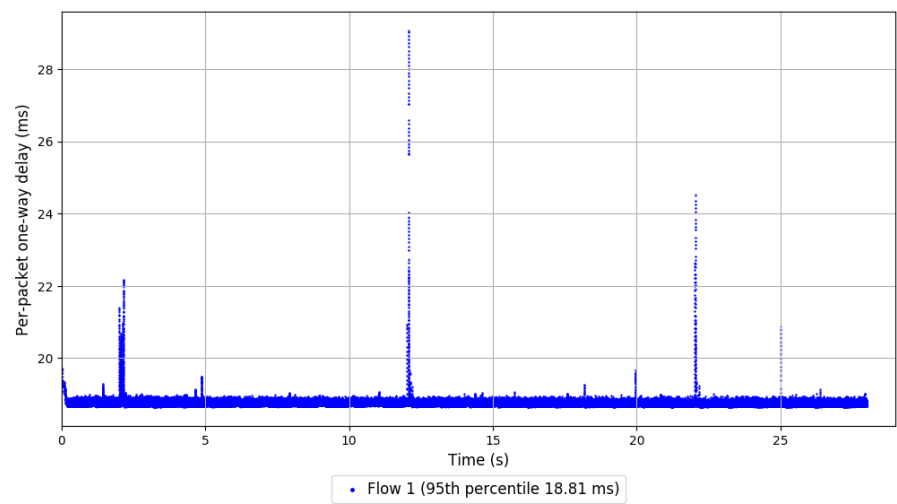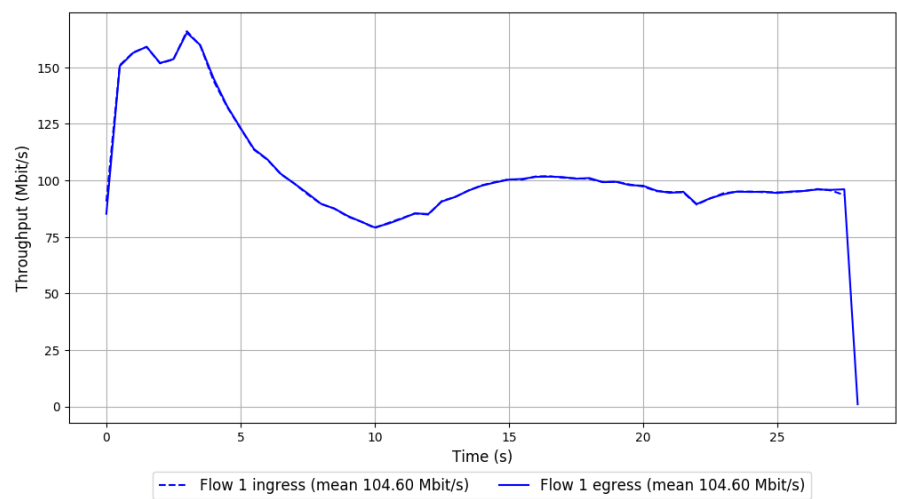
Run 10: Report of Verus — Data Link

Run 1: Statistics of Copa

Start at: 2017-12-05 13:00:04
End at: 2017-12-05 13:00:34
Local clock offset: 0.89 ms
Remote clock offset: -1.945 ms
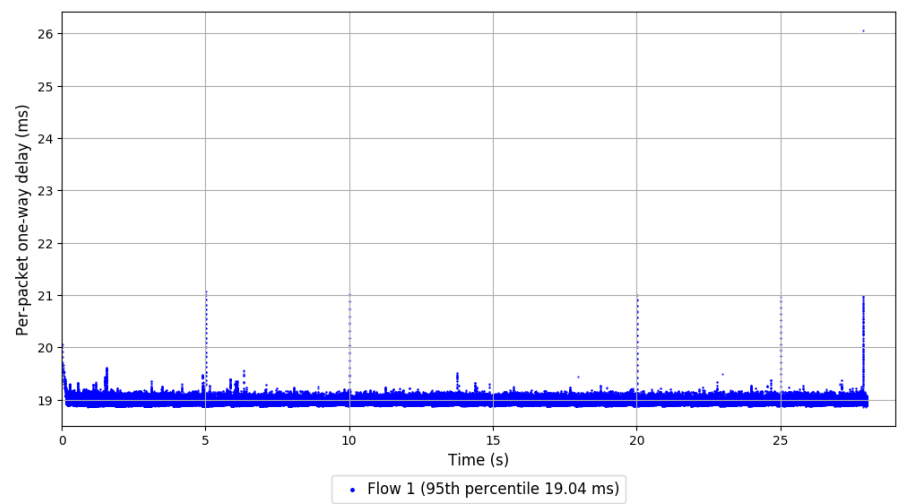
Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2017-12-05 13:18:55
End at: 2017-12-05 13:19:25
Local clock offset: 0.78 ms
Remote clock offset: -2.026 ms


# Below is generated by plot.py at 2017-12-05 18:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.35 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 107.35 Mbit/s
95th percentile per-packet one-way delay: 19.025 ms
Loss rate: 0.00%
```
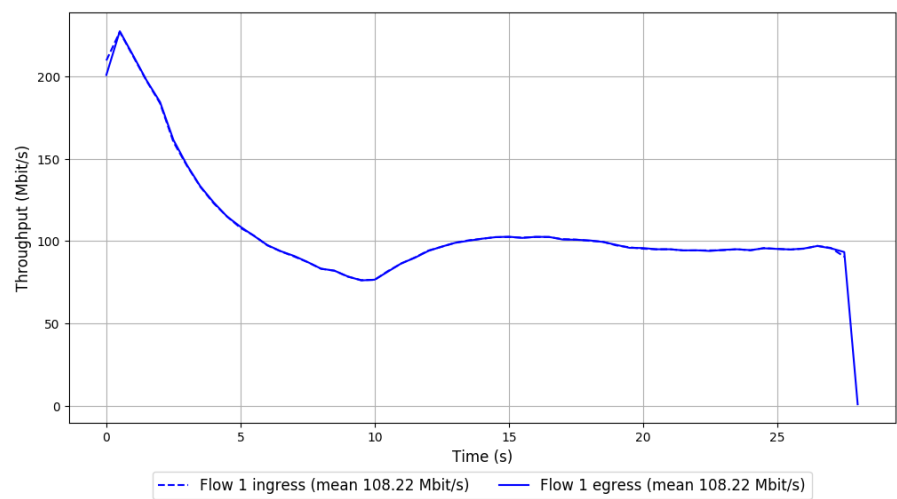
Run 2: Report of Copa — Data Link
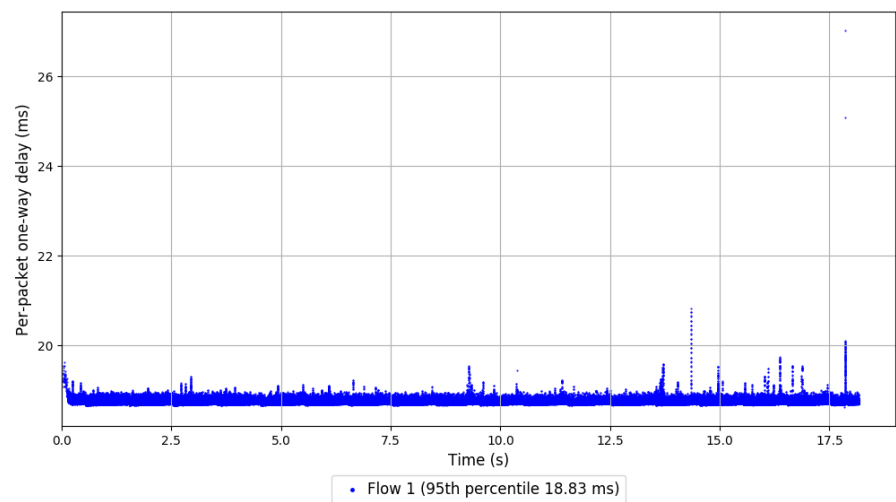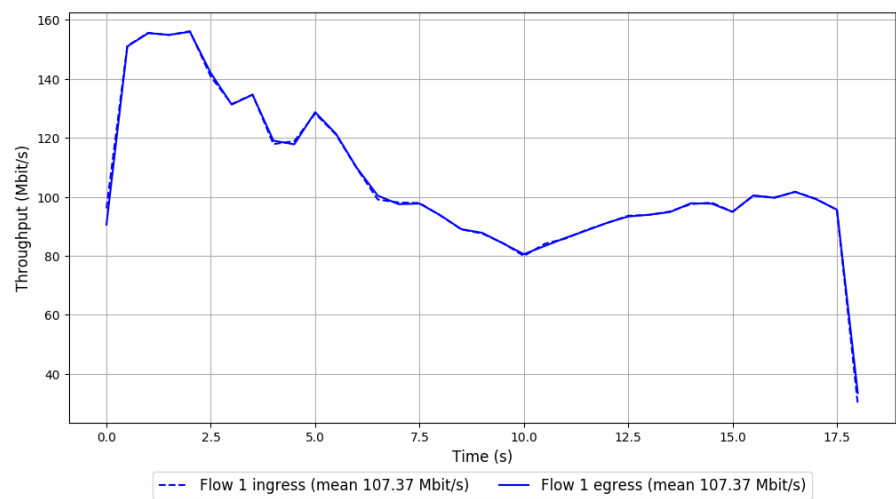
```
Run 3: Statistics of Copa

Start at: 2017-12-05 13:37:40
End at: 2017-12-05 13:38:10
Local clock offset: 0.791 ms
Remote clock offset: -2.313 ms
```

Run 3: Report of Copa — Data Link

```
Run 4: Statistics of Copa

Start at: 2017-12-05 13:56:35
End at: 2017-12-05 13:57:05
Local clock offset: 0.796 ms
Remote clock offset: -2.13 ms


# Below is generated by plot.py at 2017-12-05 18:37:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.60 Mbit/s
95th percentile per-packet one-way delay: 18.806 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.60 Mbit/s
95th percentile per-packet one-way delay: 18.806 ms
Loss rate: 0.00%
```
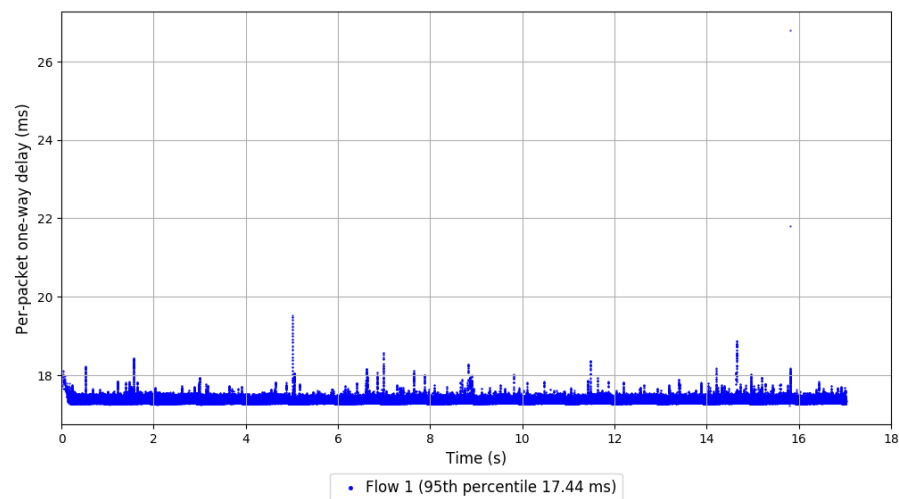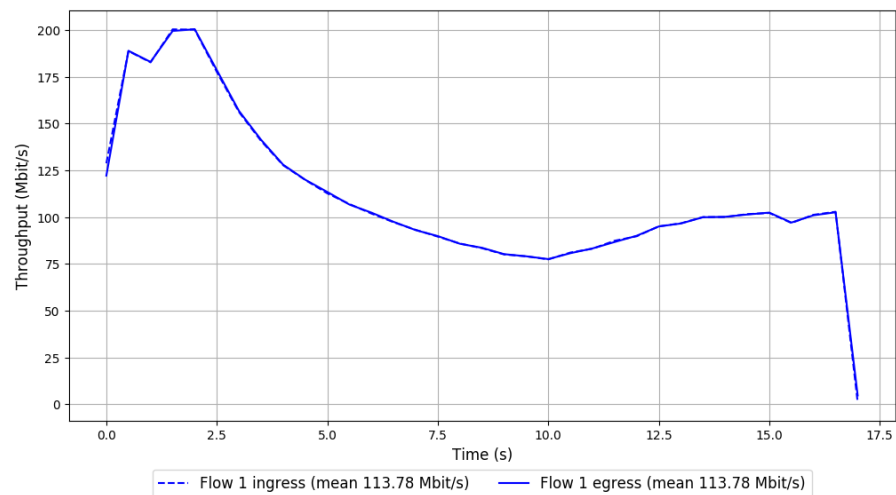
Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: 2017-12-05 14:15:34
End at: 2017-12-05 14:16:04
Local clock offset: 0.843 ms
Remote clock offset: -2.161 ms


# Below is generated by plot.py at 2017-12-05 18:37:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.22 Mbit/s
95th percentile per-packet one-way delay: 19.040 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 108.22 Mbit/s
95th percentile per-packet one-way delay: 19.040 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 108.22 Mbit/s)   Flow 1 egress (mean 108.22 Mbit/s)

Flow 1 (95th percentile 19.04 ms)

```
Run 6: Statistics of Copa

Start at: 2017-12-05 14:34:33
End at: 2017-12-05 14:35:03
Local clock offset: 1.182 ms
Remote clock offset: -2.213 ms
```

Run 6: Report of Copa — Data Link
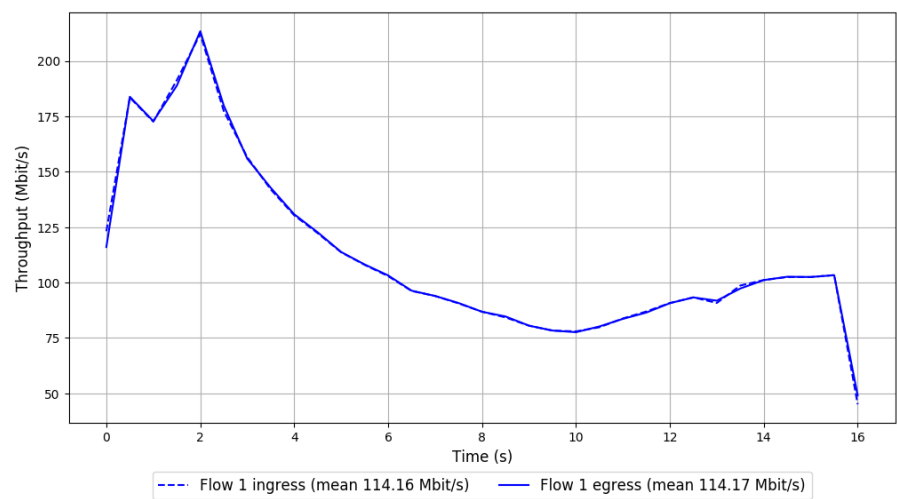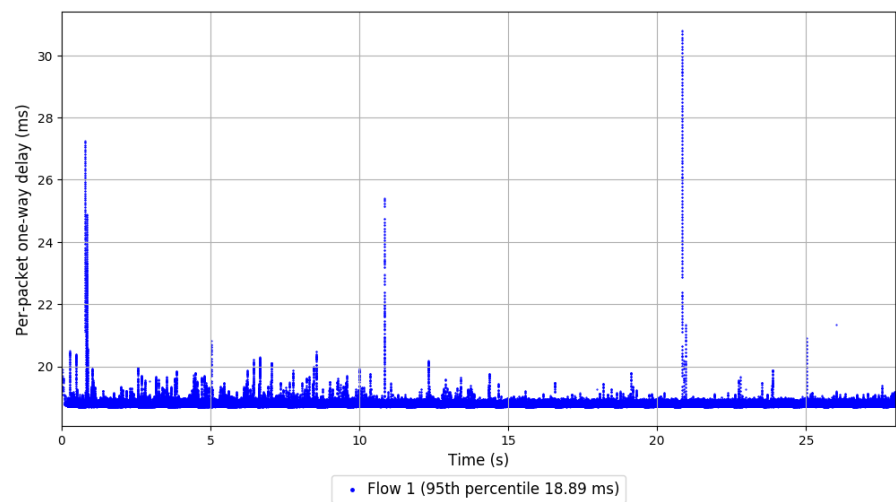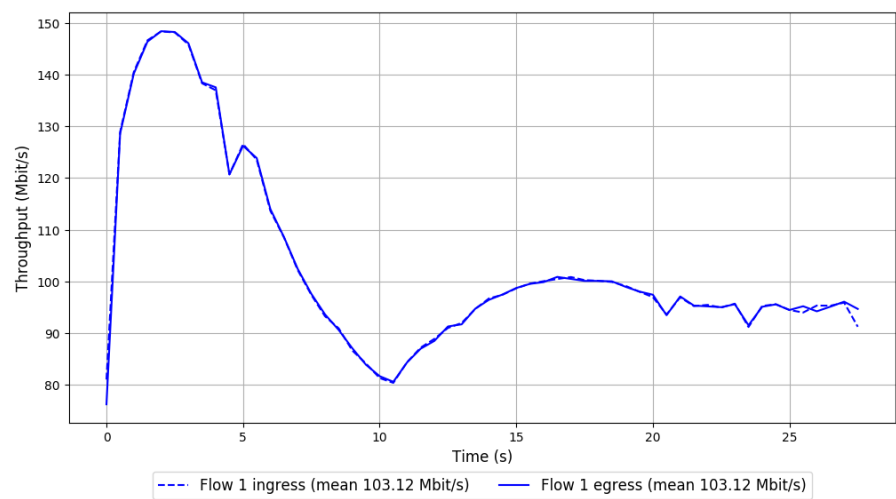
```
Run 7: Statistics of Copa

Start at: 2017-12-05 14:53:32
End at: 2017-12-05 14:54:02
Local clock offset: 1.765 ms
Remote clock offset: -2.083 ms
```

Run 7: Report of Copa — Data Link
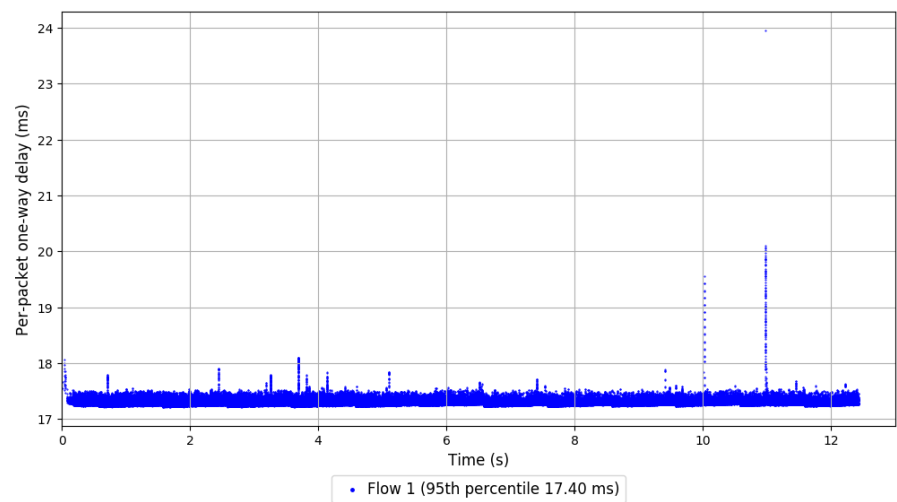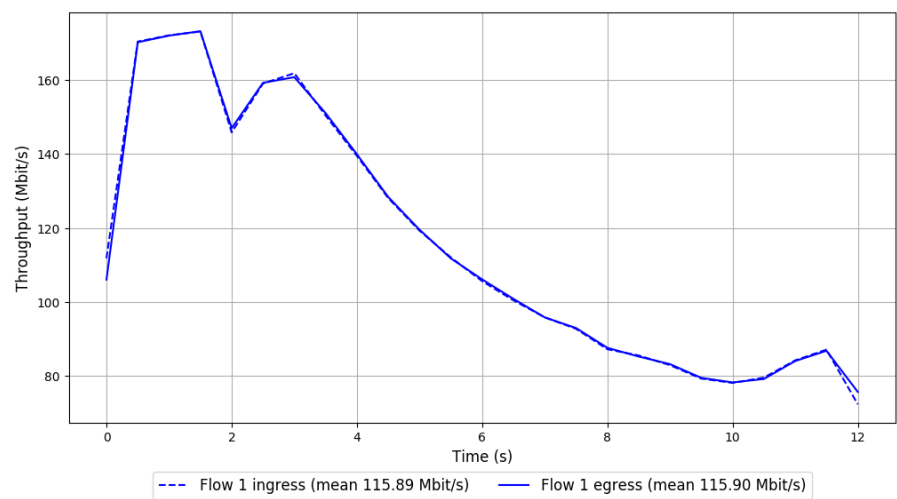
```
Run 8: Statistics of Copa

Start at: 2017-12-05 15:12:28
End at: 2017-12-05 15:12:58
Local clock offset: 2.108 ms
Remote clock offset: -1.633 ms
```

Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2017-12-05 15:31:16
End at: 2017-12-05 15:31:46
Local clock offset: 2.019 ms
Remote clock offset: -1.937 ms


# Below is generated by plot.py at 2017-12-05 18:38:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.12 Mbit/s
95th percentile per-packet one-way delay: 18.886 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.12 Mbit/s
95th percentile per-packet one-way delay: 18.886 ms
Loss rate: 0.00%
```
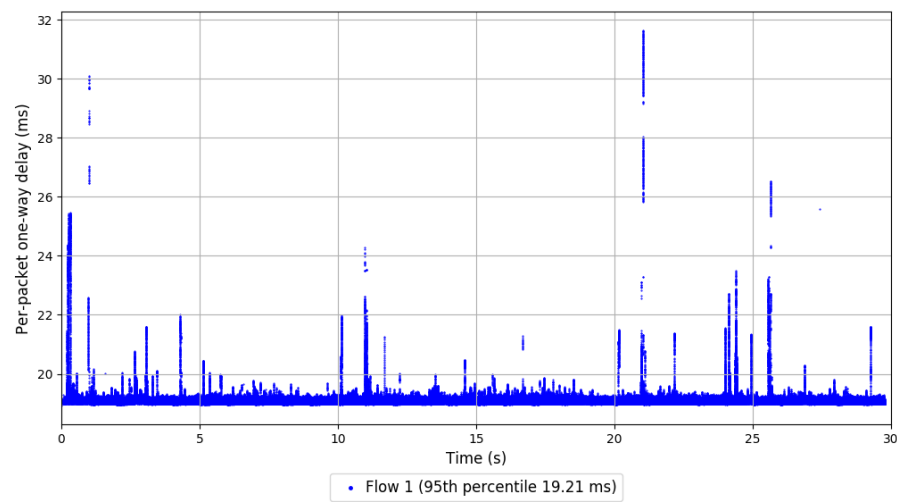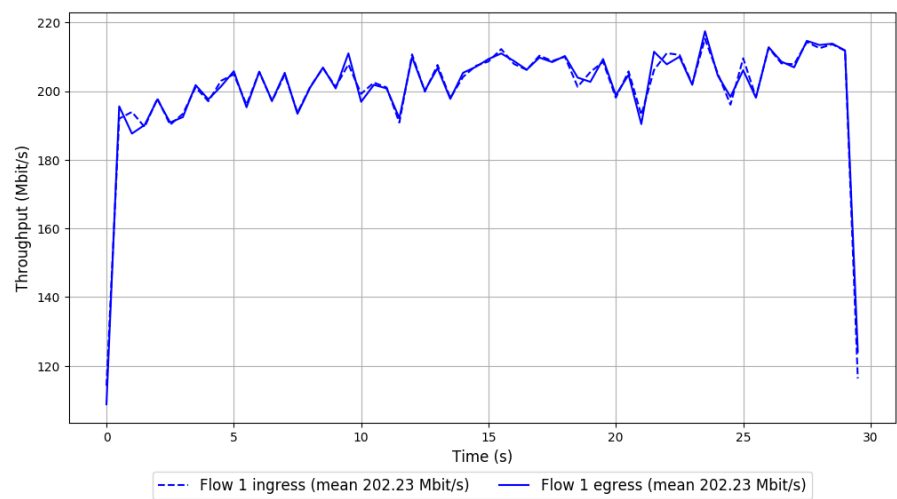
Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2017-12-05 15:50:10
End at: 2017-12-05 15:50:40
Local clock offset: 2.238 ms
Remote clock offset: -1.825 ms
```
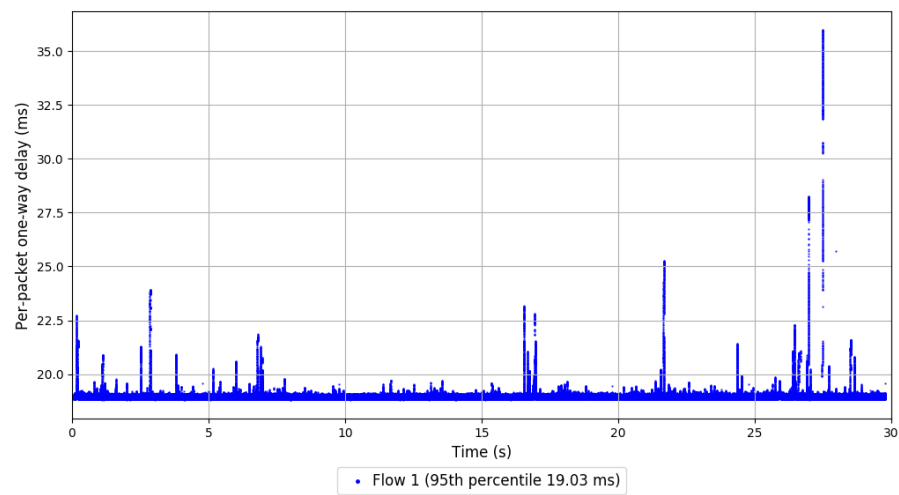
Run 10: Report of Copa — Data Link

```
Run 1: Statistics of Indigo

Start at: 2017-12-05 13:11:59
End at: 2017-12-05 13:12:30
Local clock offset: 0.77 ms
Remote clock offset: -1.831 ms

# Below is generated by plot.py at 2017-12-05 18:39:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.23 Mbit/s
95th percentile per-packet one-way delay: 19.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.23 Mbit/s
95th percentile per-packet one-way delay: 19.213 ms
Loss rate: 0.00%
```

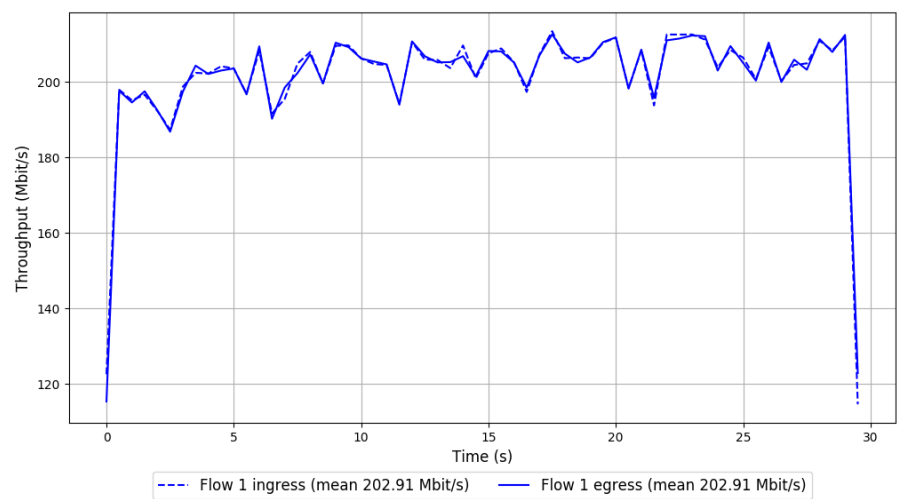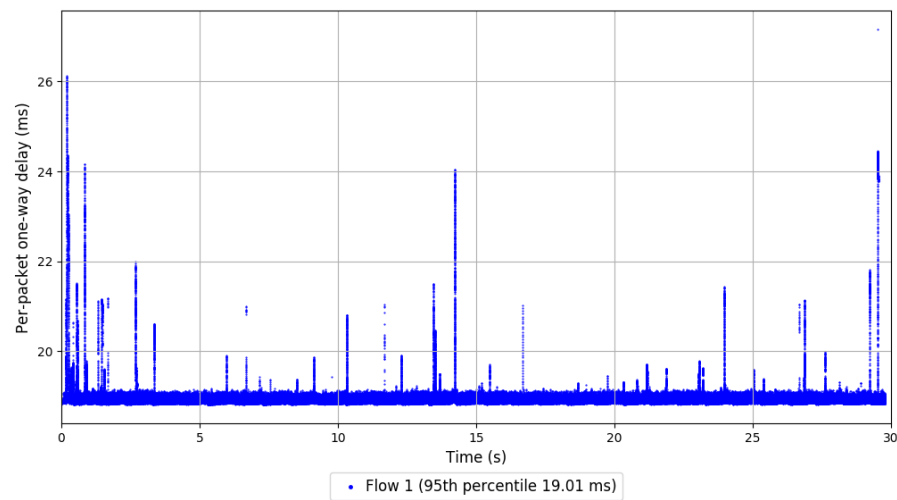# Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2017-12-05 13:30:47
End at: 2017-12-05 13:31:17
Local clock offset: 0.787 ms
Remote clock offset: -2.262 ms


# Below is generated by plot.py at 2017-12-05 18:39:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.91 Mbit/s
95th percentile per-packet one-way delay: 19.032 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.91 Mbit/s
95th percentile per-packet one-way delay: 19.032 ms
Loss rate: 0.00%
```
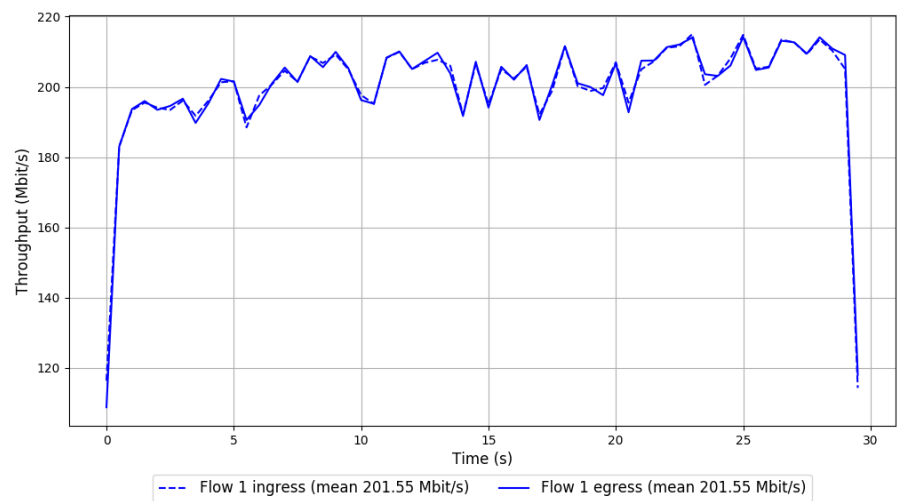
Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2017-12-05 13:49:39
End at: 2017-12-05 13:50:09
Local clock offset: 0.833 ms
Remote clock offset: -2.152 ms


# Below is generated by plot.py at 2017-12-05 18:40:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.55 Mbit/s
95th percentile per-packet one-way delay: 19.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.55 Mbit/s
95th percentile per-packet one-way delay: 19.011 ms
Loss rate: 0.00%
```
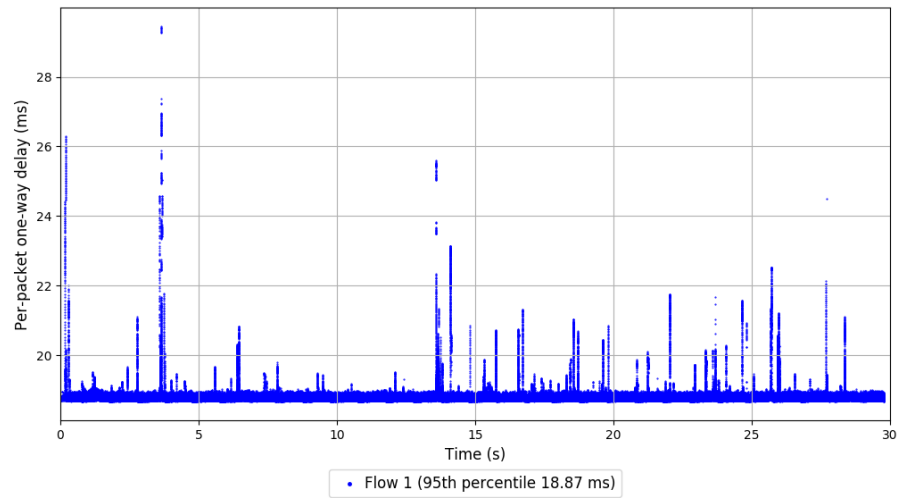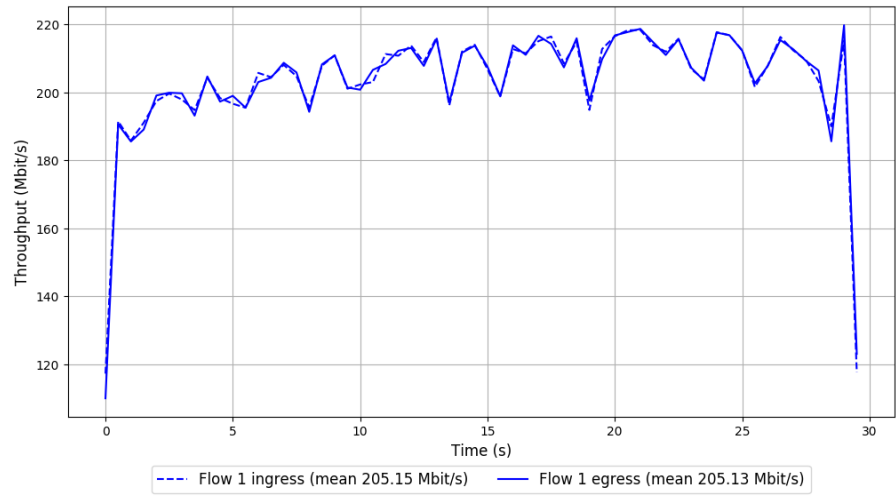
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2017-12-05 14:08:35
End at: 2017-12-05 14:09:05
Local clock offset: 0.814 ms
Remote clock offset: -2.119 ms


# Below is generated by plot.py at 2017-12-05 18:40:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.13 Mbit/s
95th percentile per-packet one-way delay: 18.871 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 205.13 Mbit/s
95th percentile per-packet one-way delay: 18.871 ms
Loss rate: 0.01%
```
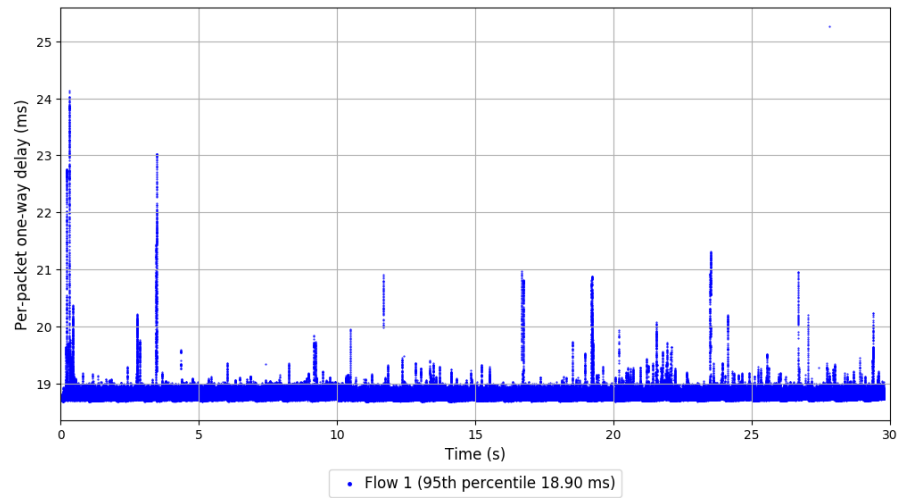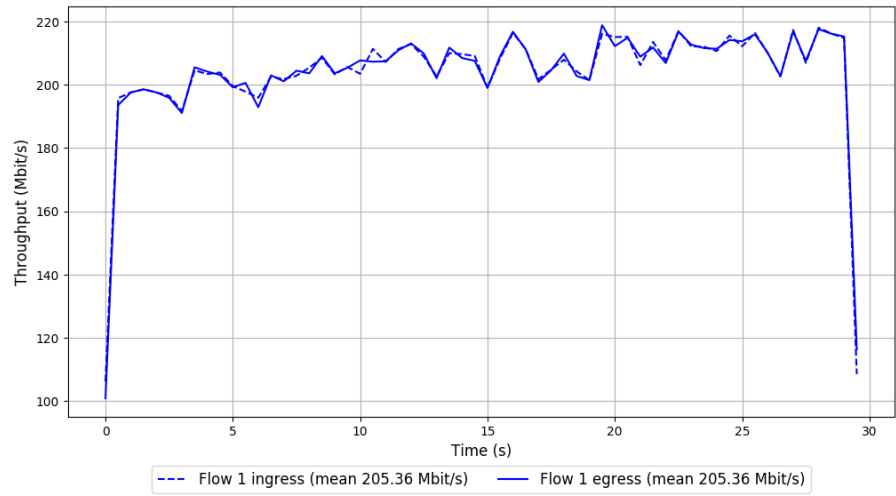
Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2017-12-05 14:27:34
End at: 2017-12-05 14:28:04
Local clock offset: 0.998 ms
Remote clock offset: -2.328 ms


# Below is generated by plot.py at 2017-12-05 18:40:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.36 Mbit/s
95th percentile per-packet one-way delay: 18.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.36 Mbit/s
95th percentile per-packet one-way delay: 18.897 ms
Loss rate: 0.00%
```
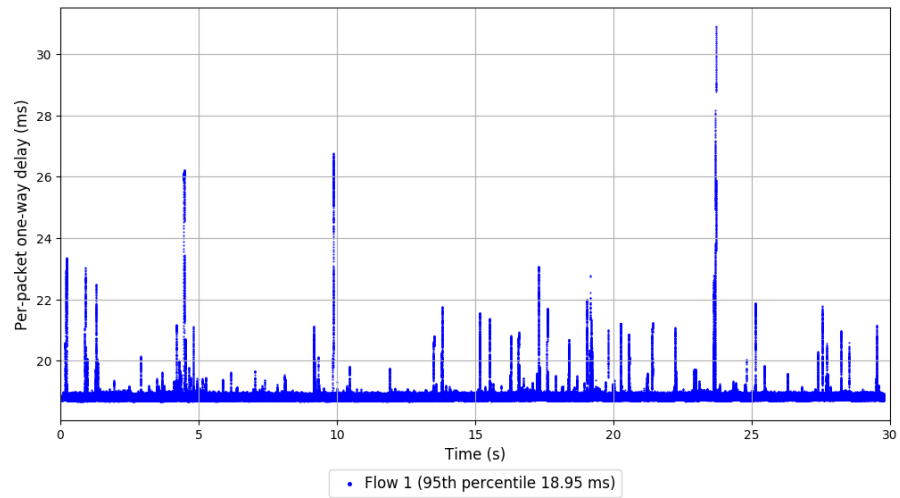
Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2017-12-05 14:46:34
End at: 2017-12-05 14:47:04
Local clock offset: 1.671 ms
Remote clock offset: -2.238 ms


# Below is generated by plot.py at 2017-12-05 18:40:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.39 Mbit/s
95th percentile per-packet one-way delay: 18.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.39 Mbit/s
95th percentile per-packet one-way delay: 18.945 ms
Loss rate: 0.00%
```
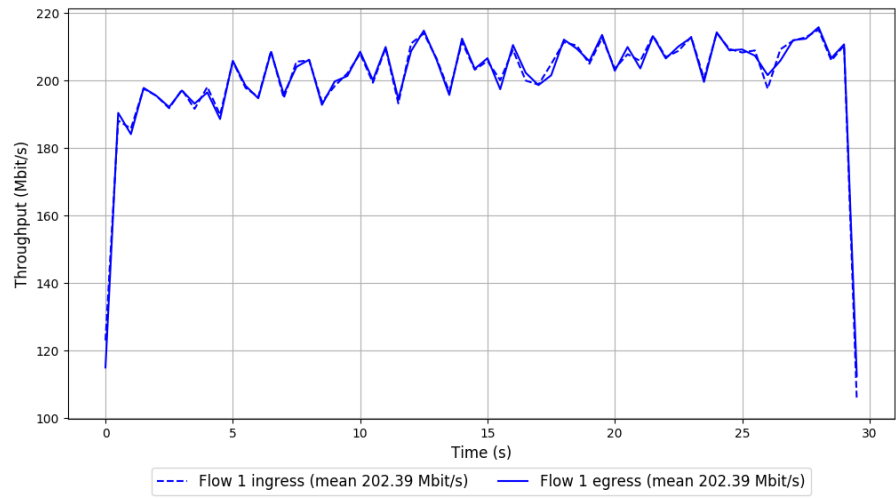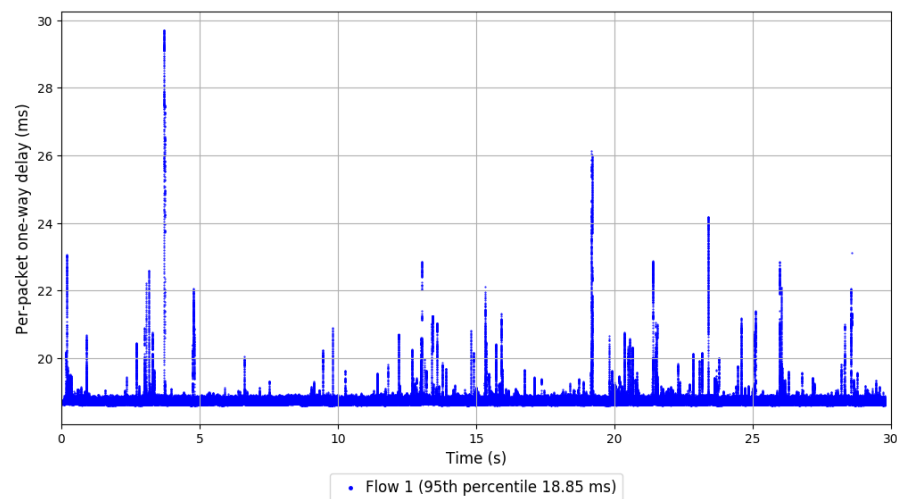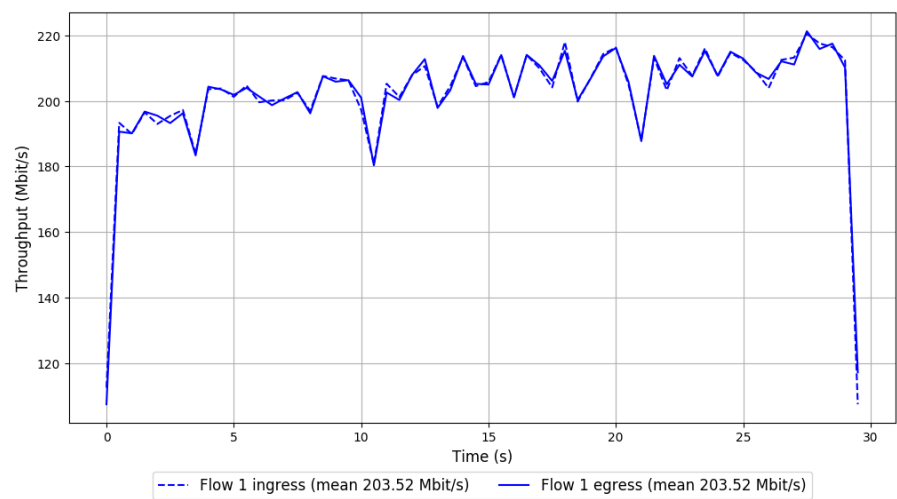
Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2017-12-05 15:05:31
End at: 2017-12-05 15:06:01
Local clock offset: 2.081 ms
Remote clock offset: -1.759 ms


# Below is generated by plot.py at 2017-12-05 18:40:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.52 Mbit/s
95th percentile per-packet one-way delay: 18.854 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.52 Mbit/s
95th percentile per-packet one-way delay: 18.854 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2017-12-05 15:24:23
End at: 2017-12-05 15:24:53
Local clock offset: 2.07 ms
Remote clock offset: -1.88 ms


# Below is generated by plot.py at 2017-12-05 18:41:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.63 Mbit/s
95th percentile per-packet one-way delay: 19.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.63 Mbit/s
95th percentile per-packet one-way delay: 19.098 ms
Loss rate: 0.00%
```
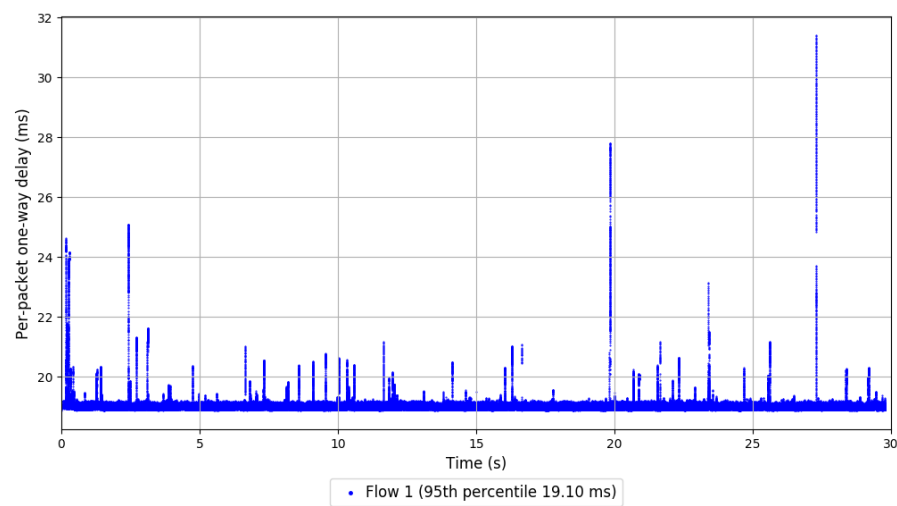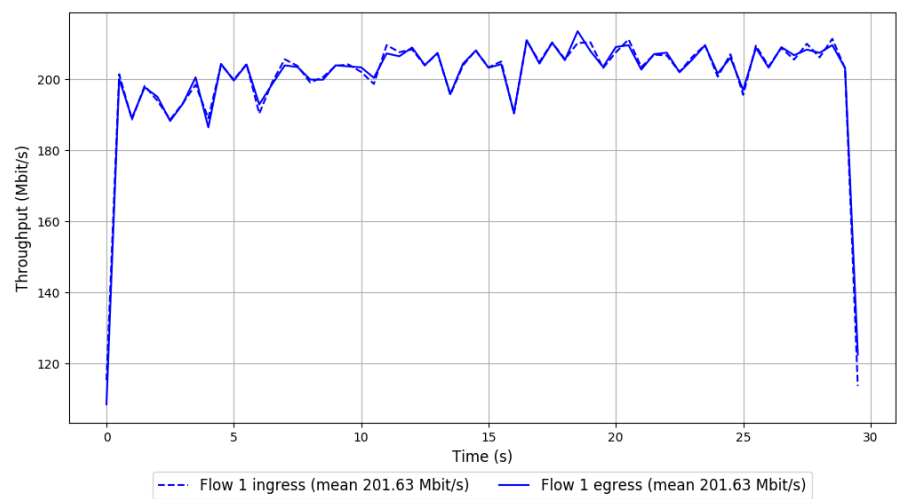
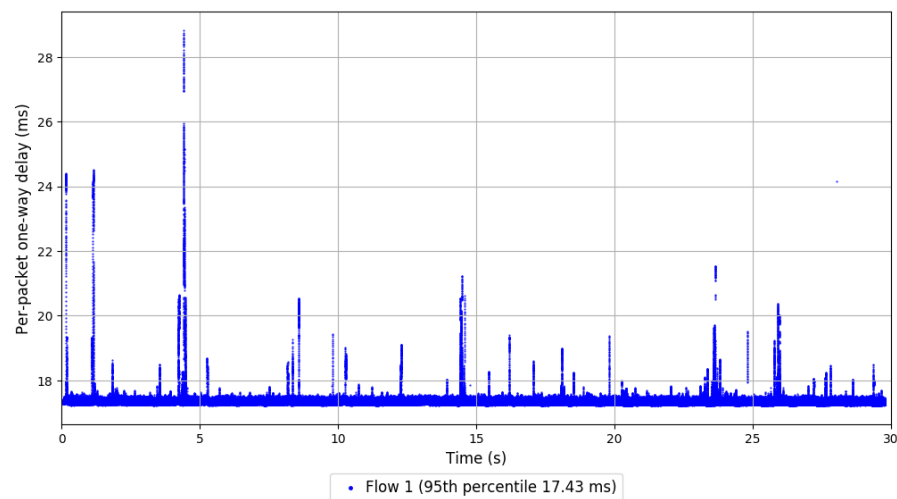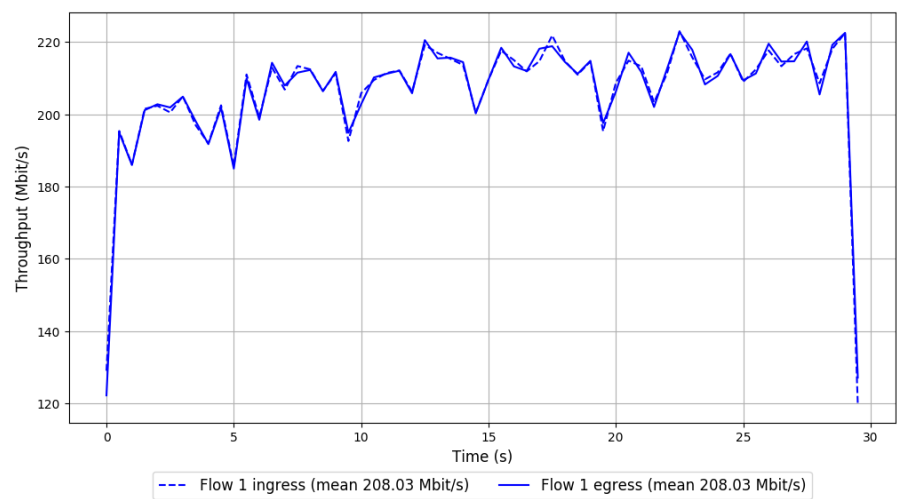## Run 8: Report of Indigo — Data Link

```
Run 9: Statistics of Indigo

Start at: 2017-12-05 15:43:14
End at: 2017-12-05 15:43:44
Local clock offset: 2.104 ms
Remote clock offset: -1.991 ms


# Below is generated by plot.py at 2017-12-05 18:42:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.03 Mbit/s
95th percentile per-packet one-way delay: 17.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 208.03 Mbit/s
95th percentile per-packet one-way delay: 17.432 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2017-12-05 16:02:07
End at: 2017-12-05 16:02:37
Local clock offset: 2.514 ms
Remote clock offset: -1.847 ms


# Below is generated by plot.py at 2017-12-05 18:42:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.65 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 200.65 Mbit/s
95th percentile per-packet one-way delay: 19.169 ms
Loss rate: 0.00%
```
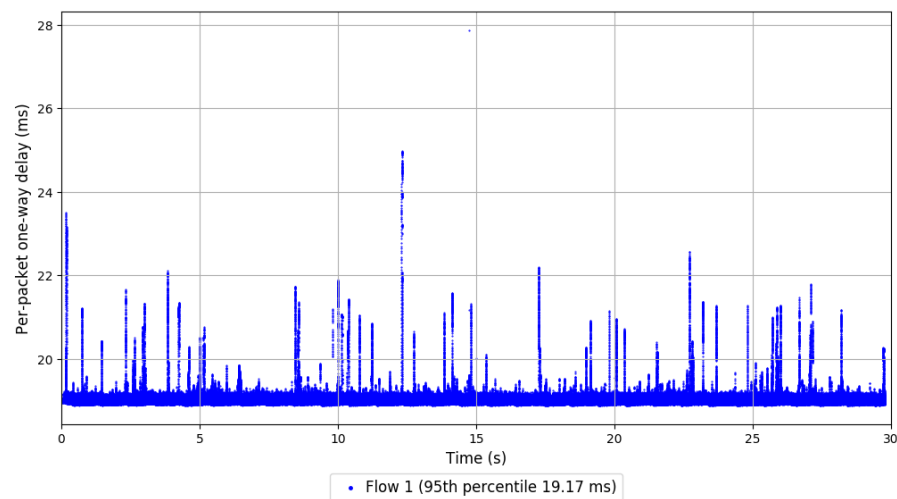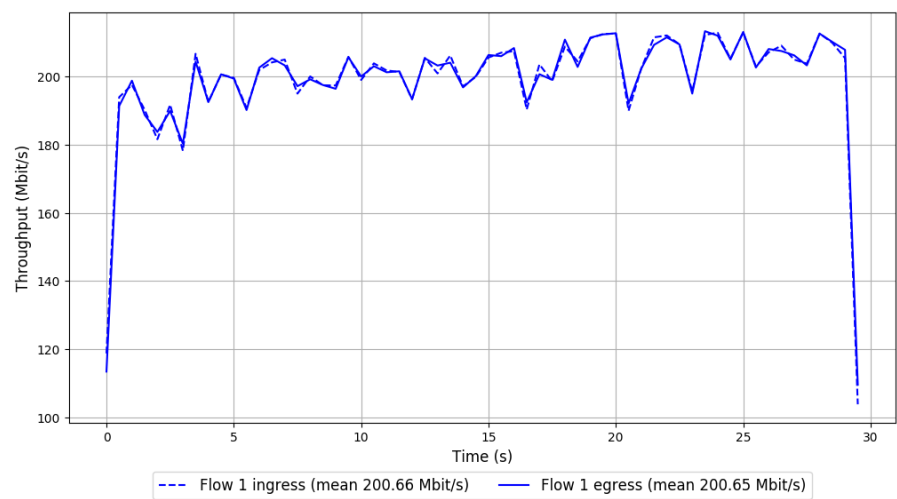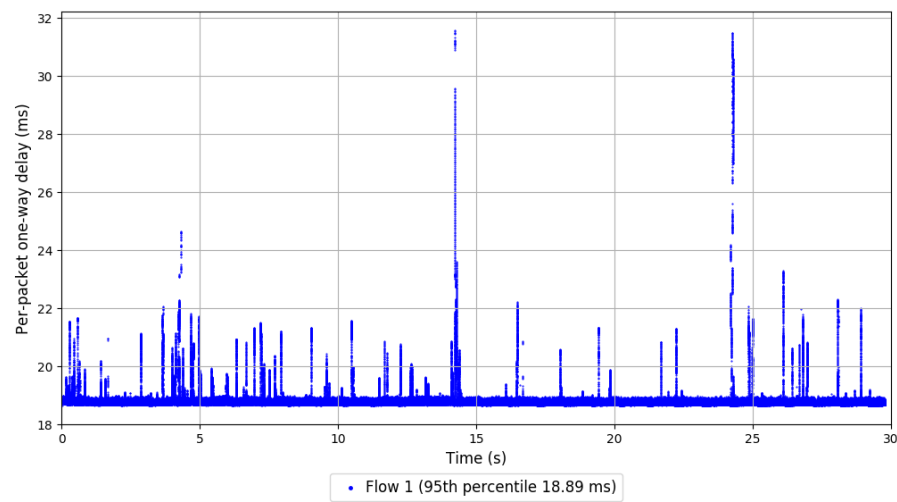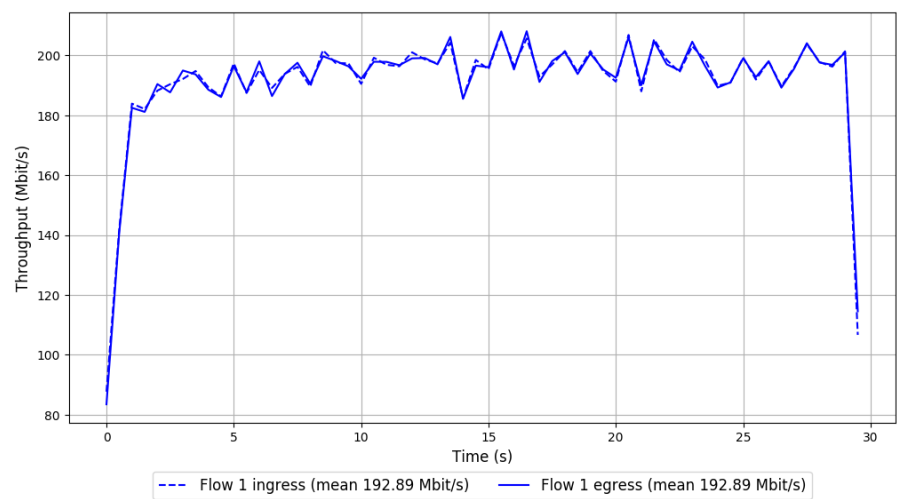
Run 10: Report of Indigo — Data Link

```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-05 13:09:26
End at: 2017-12-05 13:09:56
Local clock offset: 0.785 ms
Remote clock offset: -1.905 ms


# Below is generated by plot.py at 2017-12-05 18:42:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.89 Mbit/s
95th percentile per-packet one-way delay: 18.887 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.89 Mbit/s
95th percentile per-packet one-way delay: 18.887 ms
Loss rate: 0.00%
```
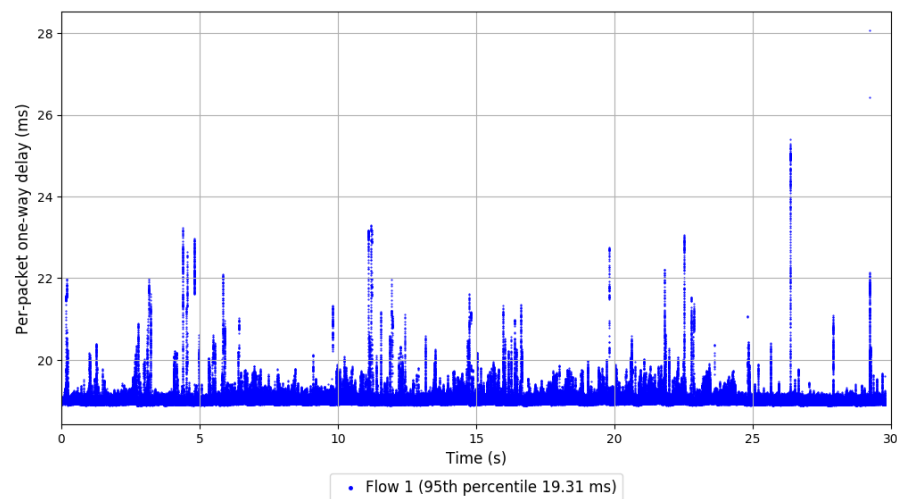
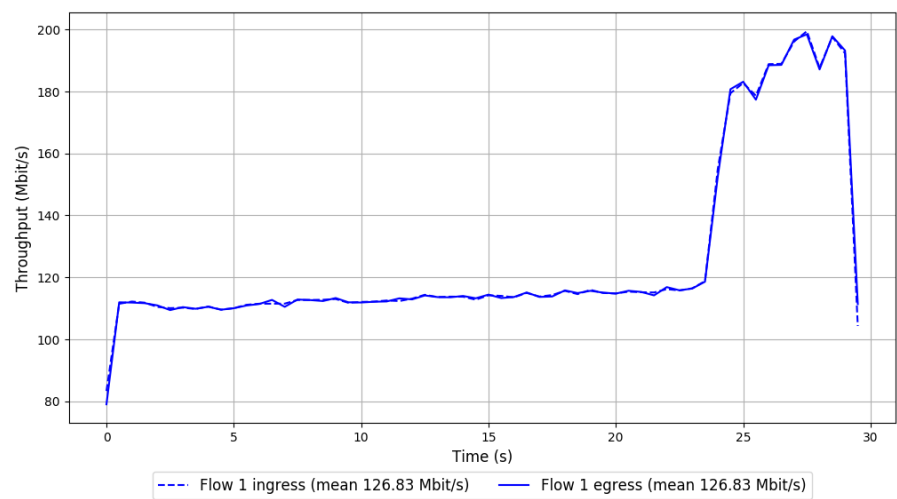Run 1: Report of Indigo-calib — Data Link

```
Run 2: Statistics of Indigo-calib

Start at: 2017-12-05 13:28:17
End at: 2017-12-05 13:28:47
Local clock offset: 0.796 ms
Remote clock offset: -2.123 ms


# Below is generated by plot.py at 2017-12-05 18:42:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.83 Mbit/s
95th percentile per-packet one-way delay: 19.306 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 126.83 Mbit/s
95th percentile per-packet one-way delay: 19.306 ms
Loss rate: 0.00%
```
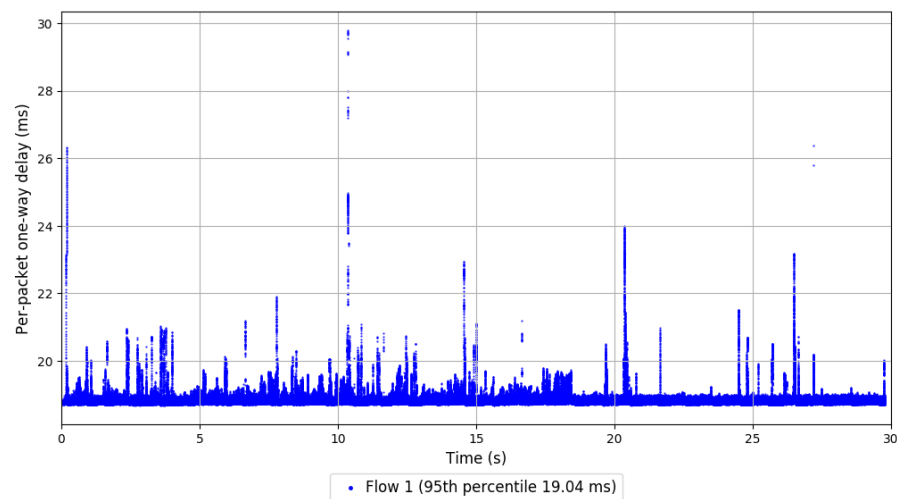
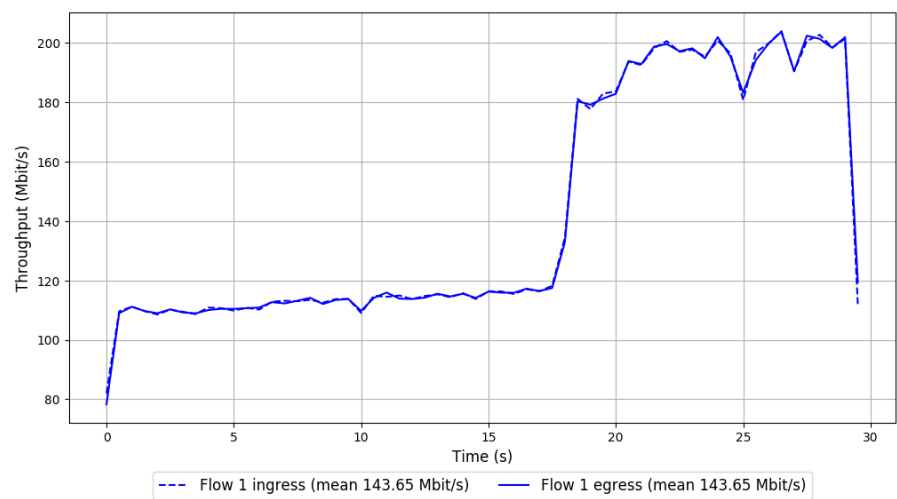Run 2: Report of Indigo-calib — Data Link

```
Run 3: Statistics of Indigo-calib

Start at: 2017-12-05 13:47:08
End at: 2017-12-05 13:47:38
Local clock offset: 0.85 ms
Remote clock offset: -1.989 ms


# Below is generated by plot.py at 2017-12-05 18:42:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 143.65 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 143.65 Mbit/s
95th percentile per-packet one-way delay: 19.036 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-calib — Data Link

```
Run 4: Statistics of Indigo-calib

Start at: 2017-12-05 14:06:01
End at: 2017-12-05 14:06:31
Local clock offset: 0.903 ms
Remote clock offset: -2.068 ms


# Below is generated by plot.py at 2017-12-05 18:43:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.69 Mbit/s
95th percentile per-packet one-way delay: 18.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 192.69 Mbit/s
95th percentile per-packet one-way delay: 18.809 ms
Loss rate: 0.00%
```
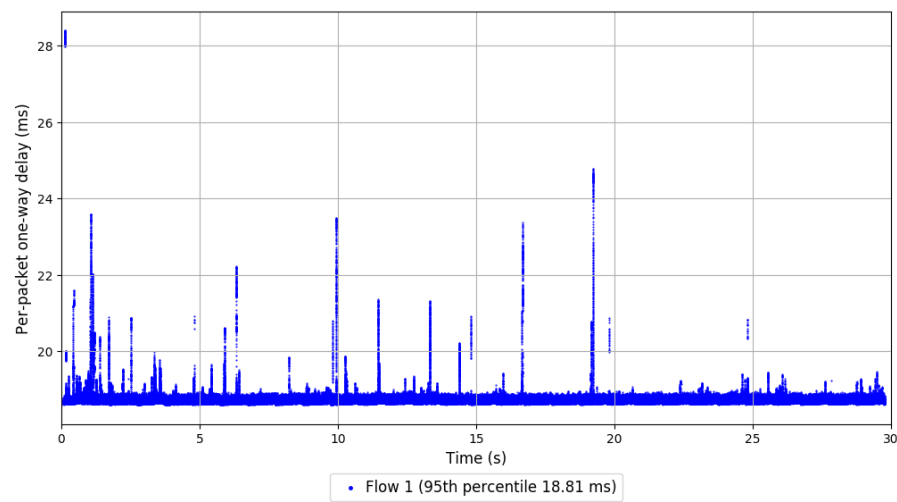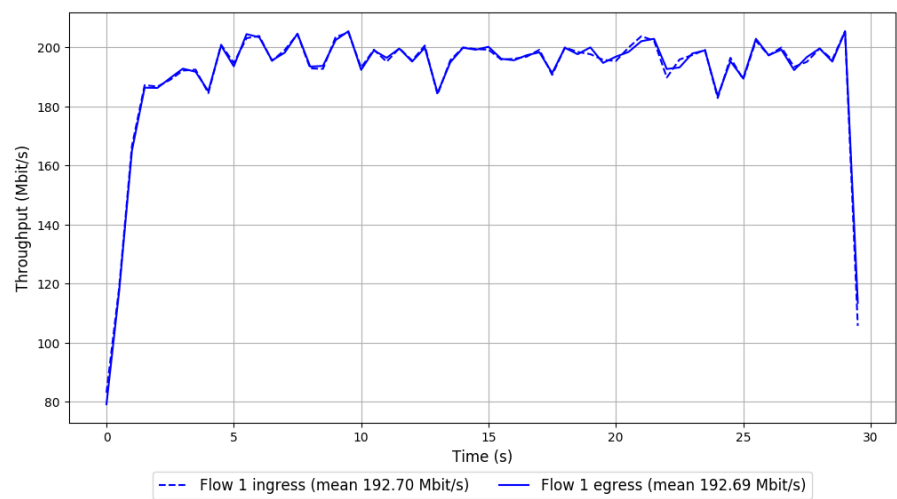
Run 4: Report of Indigo-calib — Data Link

```
Run 5: Statistics of Indigo-calib

Start at: 2017-12-05 14:25:04
End at: 2017-12-05 14:25:34
Local clock offset: 1.042 ms
Remote clock offset: -2.229 ms


# Below is generated by plot.py at 2017-12-05 18:43:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.86 Mbit/s
95th percentile per-packet one-way delay: 19.364 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 121.86 Mbit/s
95th percentile per-packet one-way delay: 19.364 ms
Loss rate: 0.00%
```
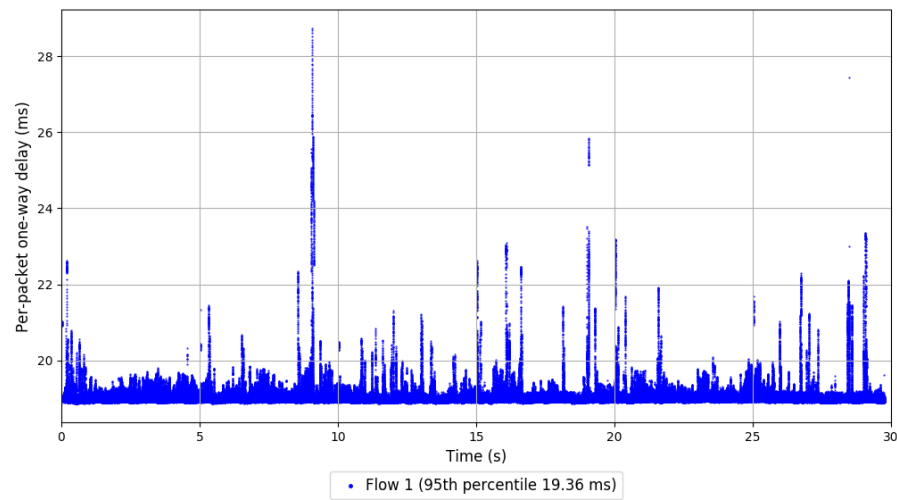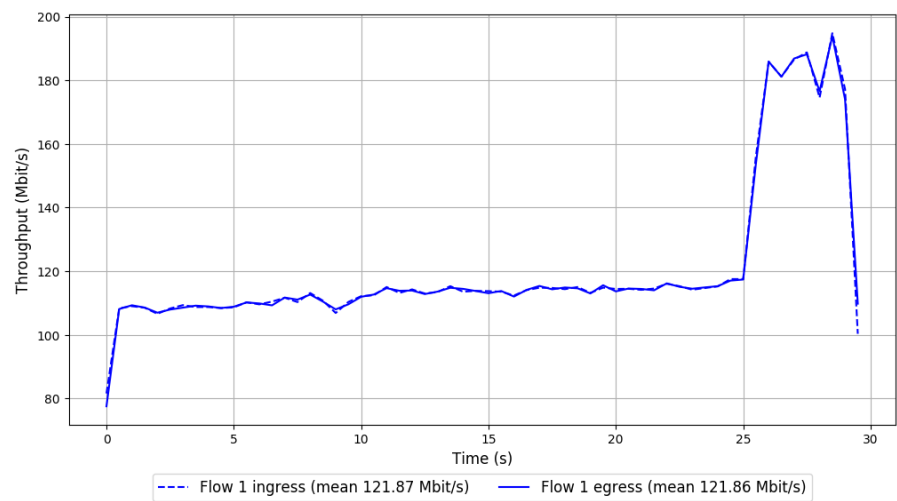
Run 5: Report of Indigo-calib — Data Link

```
Run 6: Statistics of Indigo-calib

Start at: 2017-12-05 14:44:00
End at: 2017-12-05 14:44:30
Local clock offset: 1.49 ms
Remote clock offset: -2.212 ms


# Below is generated by plot.py at 2017-12-05 18:43:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.26 Mbit/s
95th percentile per-packet one-way delay: 17.569 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 198.26 Mbit/s
95th percentile per-packet one-way delay: 17.569 ms
Loss rate: 0.00%
```
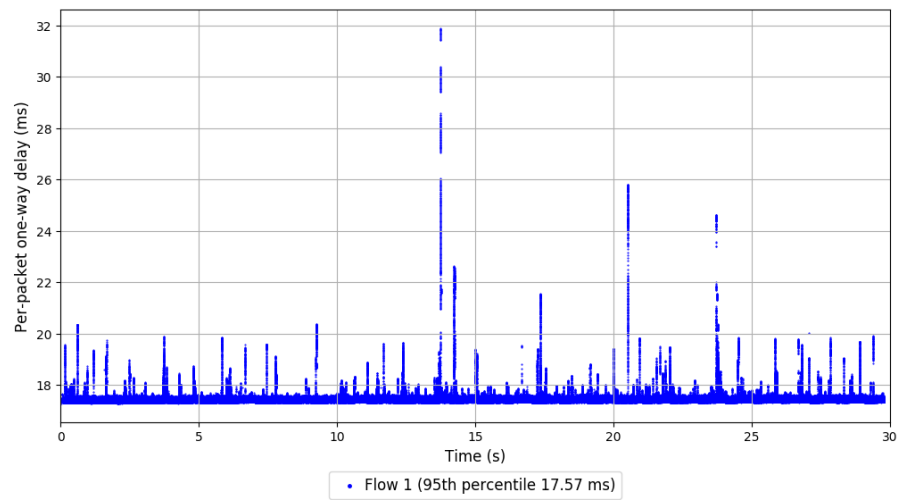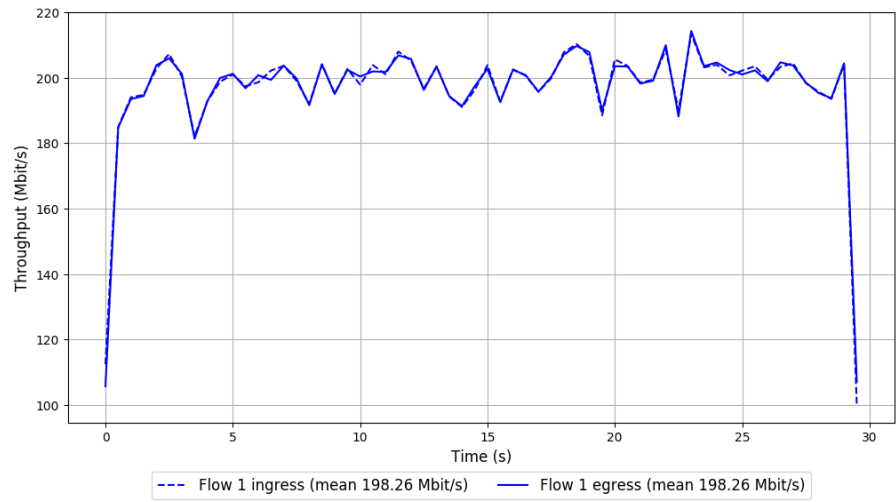
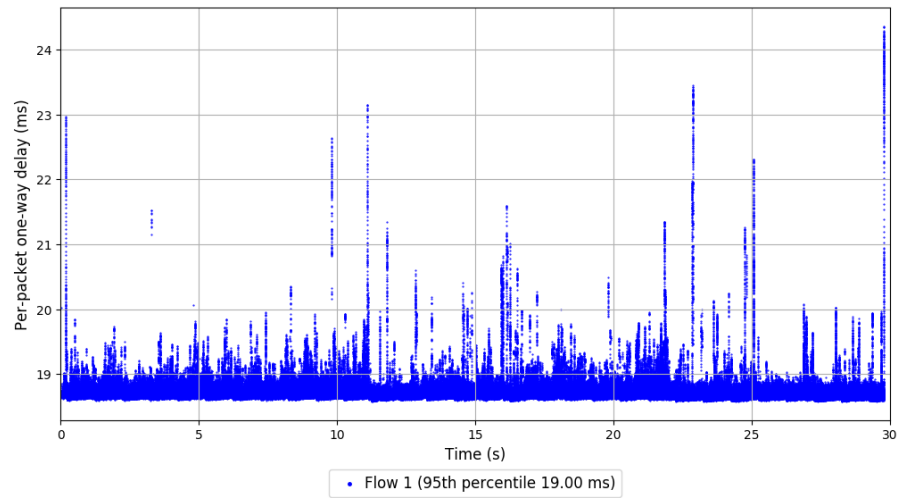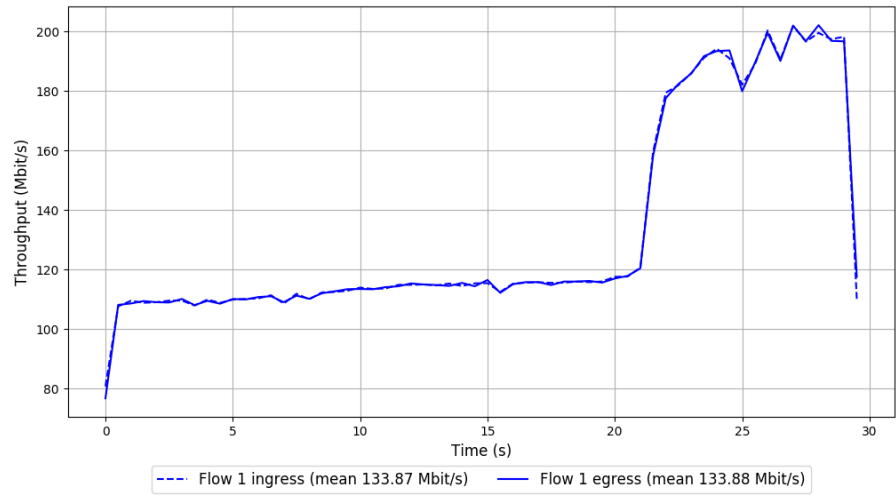## Run 6: Report of Indigo-calib — Data Link

```
Run 7: Statistics of Indigo-calib

Start at: 2017-12-05 15:03:00
End at: 2017-12-05 15:03:30
Local clock offset: 2.045 ms
Remote clock offset: -1.819 ms


# Below is generated by plot.py at 2017-12-05 18:43:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.88 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 133.88 Mbit/s
95th percentile per-packet one-way delay: 19.000 ms
Loss rate: 0.00%
```

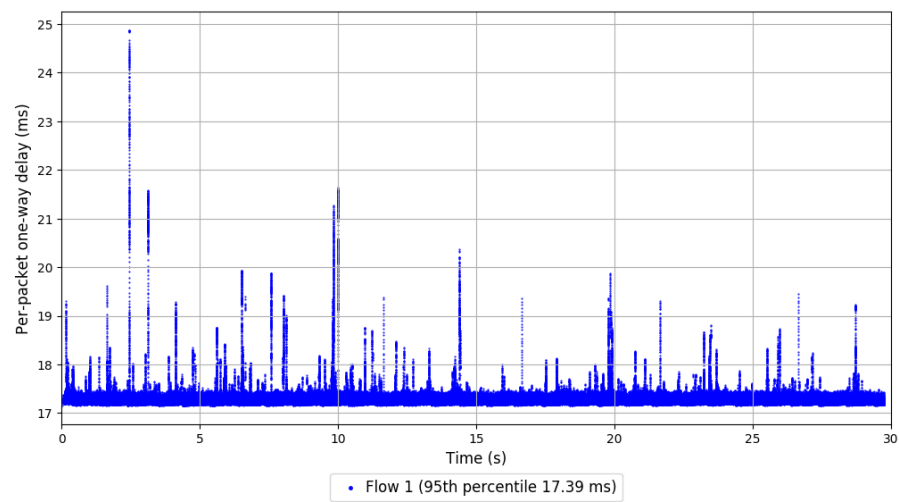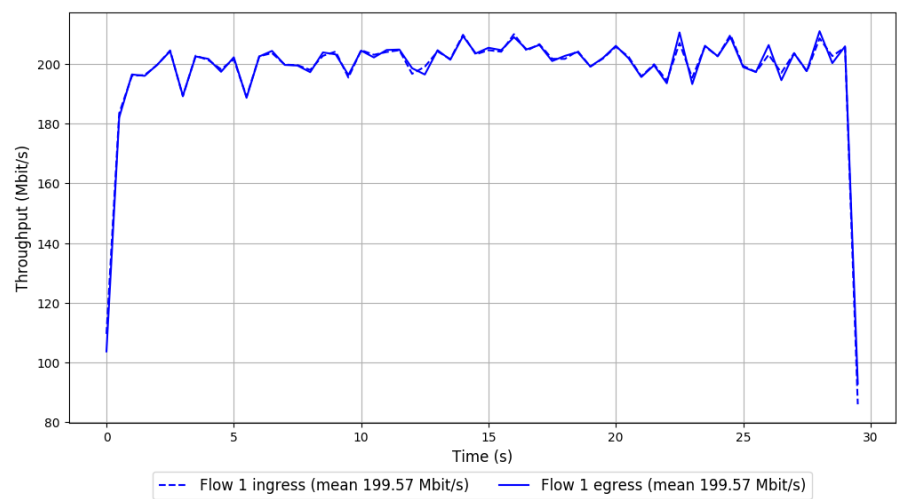Run 7: Report of Indigo-calib — Data Link

```
Run 8: Statistics of Indigo-calib

Start at: 2017-12-05 15:21:49
End at: 2017-12-05 15:22:19
Local clock offset: 2.16 ms
Remote clock offset: -1.877 ms


# Below is generated by plot.py at 2017-12-05 18:43:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.57 Mbit/s
95th percentile per-packet one-way delay: 17.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 199.57 Mbit/s
95th percentile per-packet one-way delay: 17.388 ms
Loss rate: 0.00%
```

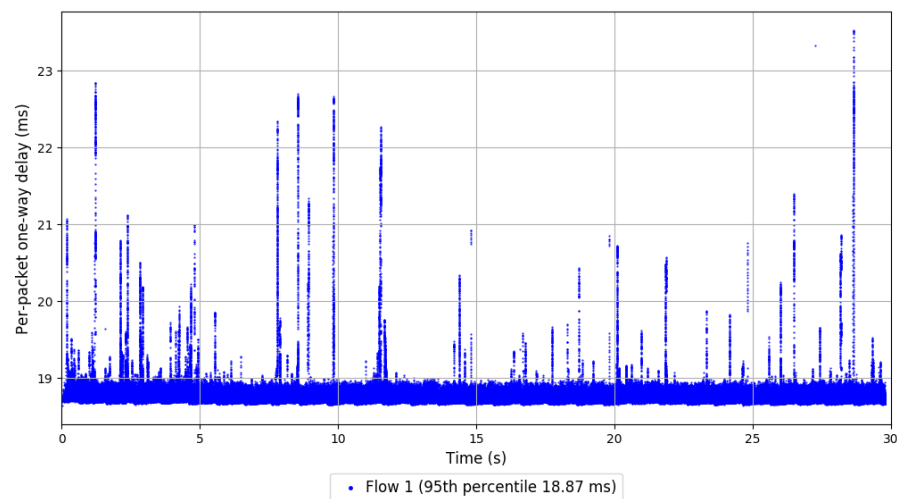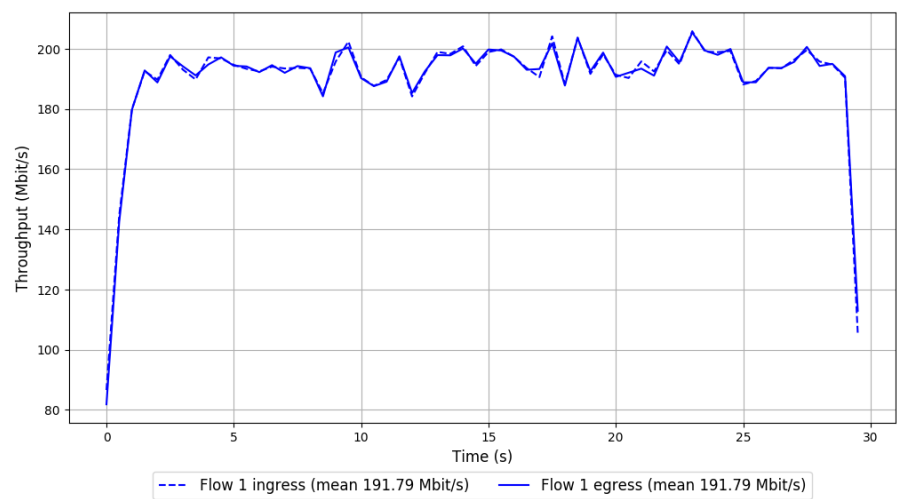Run 8: Report of Indigo-calib — Data Link

```
Run 9: Statistics of Indigo-calib

Start at: 2017-12-05 15:40:41
End at: 2017-12-05 15:41:11
Local clock offset: 2.102 ms
Remote clock offset: -2.064 ms


# Below is generated by plot.py at 2017-12-05 18:44:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.79 Mbit/s
95th percentile per-packet one-way delay: 18.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.79 Mbit/s
95th percentile per-packet one-way delay: 18.871 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 191.79 Mbit/s) --- Flow 1 egress (mean 191.79 Mbit/s)

Flow 1 (95th percentile 18.87 ms)

```
Run 10: Statistics of Indigo-calib

Start at: 2017-12-05 15:59:33
End at: 2017-12-05 16:00:03
Local clock offset: 2.537 ms
Remote clock offset: -1.836 ms


# Below is generated by plot.py at 2017-12-05 18:44:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 193.10 Mbit/s
95th percentile per-packet one-way delay: 18.915 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 193.10 Mbit/s
95th percentile per-packet one-way delay: 18.915 ms
Loss rate: 0.00%
```

Run 10: Report of Indigo-calib — Data Link