Pantheon Report

Generated at 2017-11-21 13:16:29 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

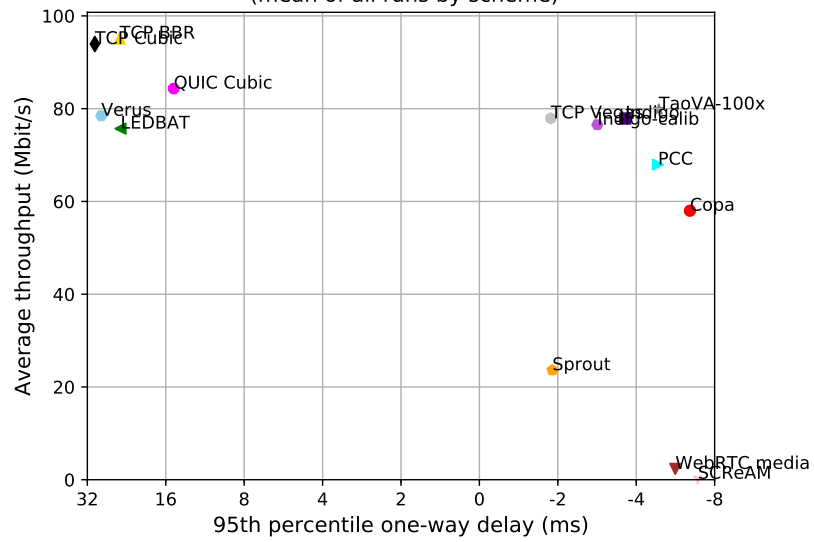Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

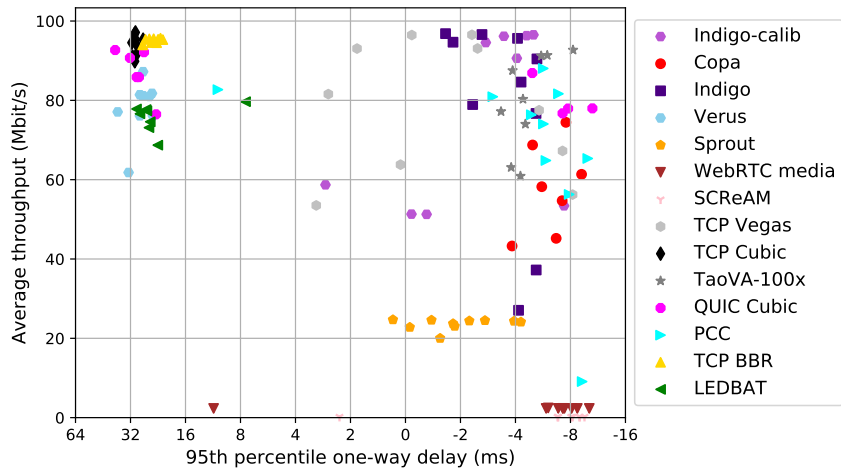NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

```
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 India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme (mean of all runs by scheme)

test from AWS India 1 Ethernet to India 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	9	95.10	24.05	1.21
TCP Cubic	9	93.93	29.94	0.43
LEDBAT	8	75.70	23.87	0.16
PCC	10	67.93	-4.85	0.36
QUIC Cubic	10	84.33	14.91	0.29
SCReAM	8	0.21	-6.90	0.00
WebRTC media	10	2.33	-5.65	0.01
Sprout	10	23.62	-1.86	0.00
TaoVA-100x	9	79.82	-4.88	0.07
TCP Vegas	10	77.90	-1.82	0.09
Verus	10	78.47	28.31	18.37
Copa	7	58.00	-6.43	0.00
Indigo	10	77.87	-3.63	0.09
Indigo-calib	9	76.54	-2.84	0.01

```
Run 1: Statistics of TCP BBR

Start at: 2017-11-21 07:16:39
End at: 2017-11-21 07:17:09
Local clock offset: -0.88 ms
Remote clock offset: -18.601 ms


# Below is generated by plot.py at 2017-11-21 12:59:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 23.910 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 95.54 Mbit/s
95th percentile per-packet one-way delay: 23.910 ms
Loss rate: 0.57%
```
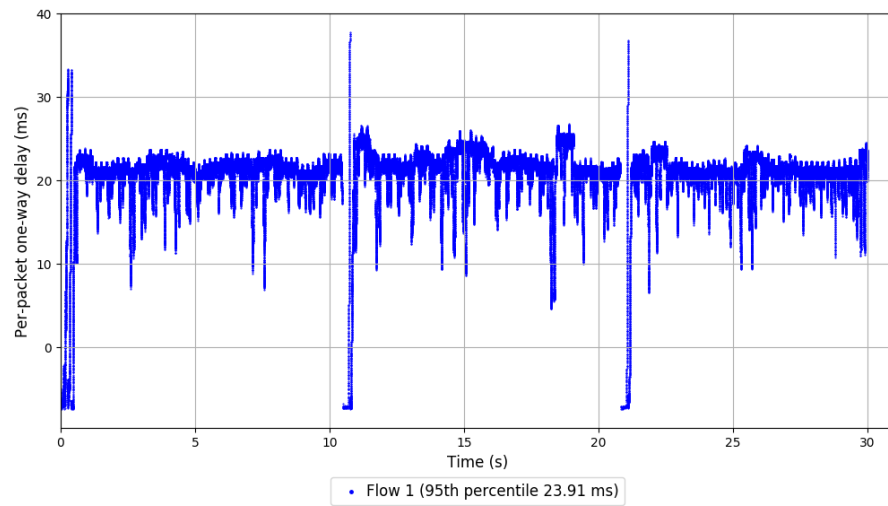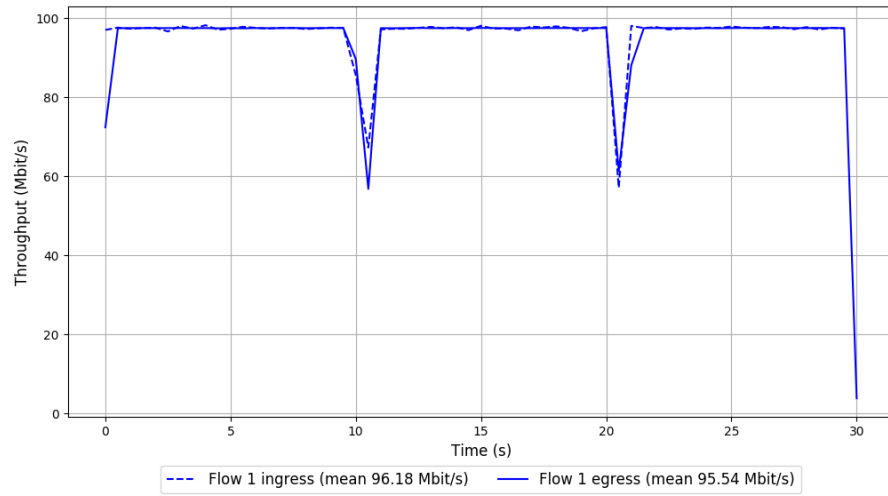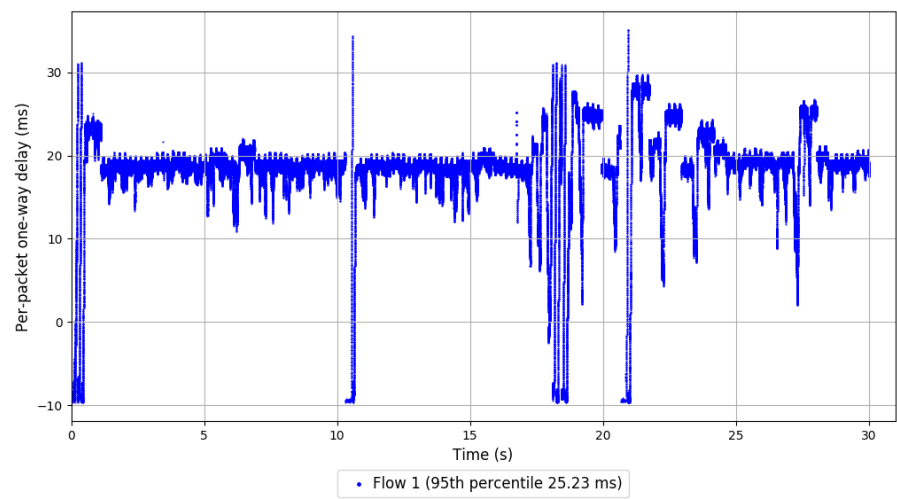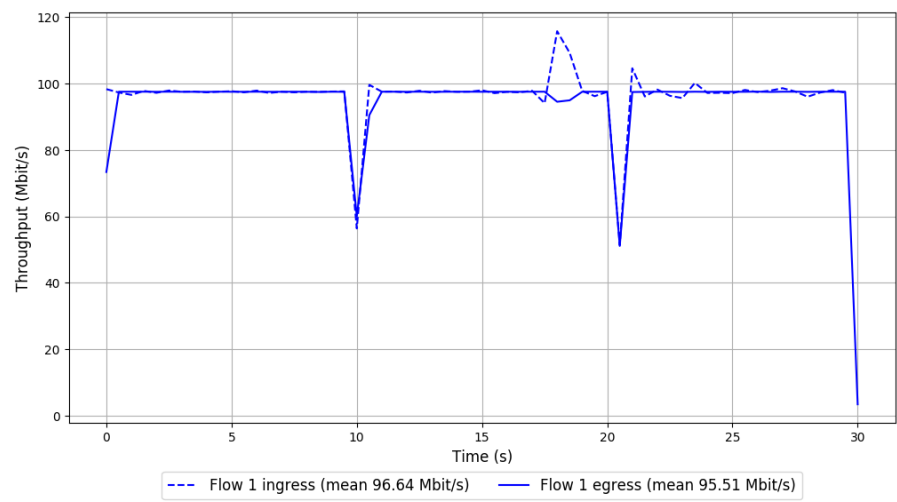
Run 1: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.18 Mbit/s) — — —   Flow 1 egress (mean 95.54 Mbit/s) ———
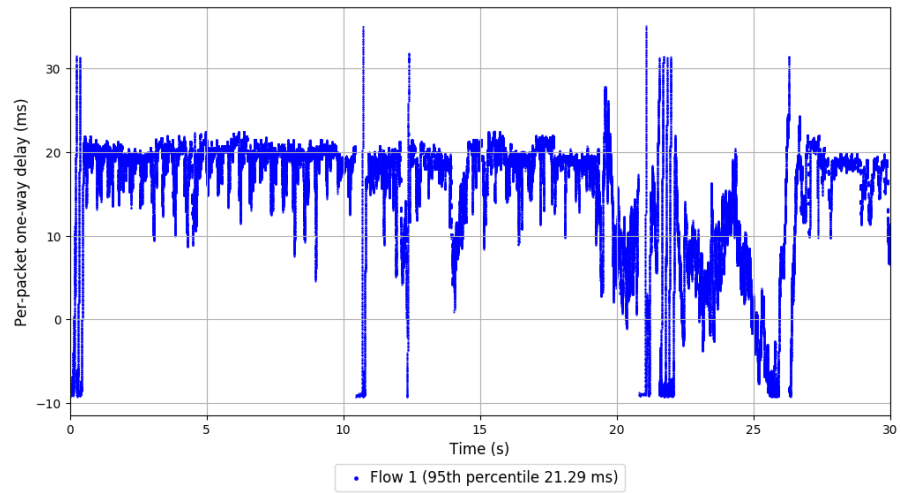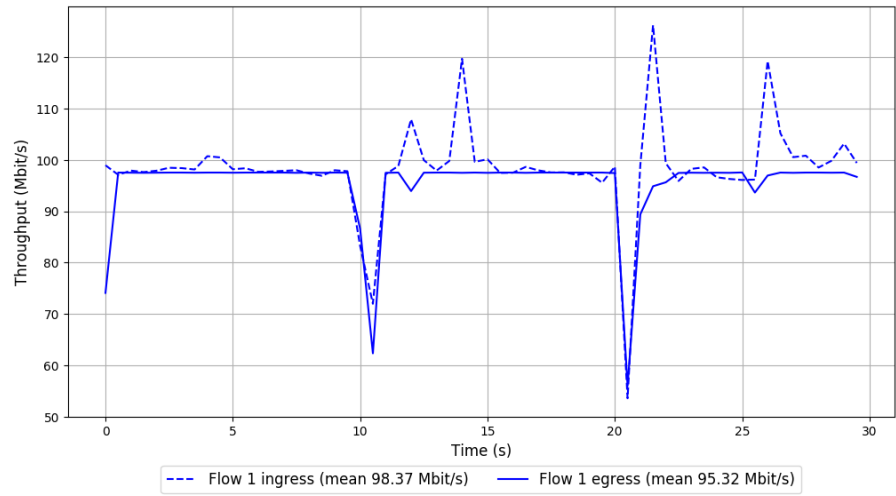

• Flow 1 (95th percentile 23.91 ms)

```
Run 2: Statistics of TCP BBR

Start at: 2017-11-21 07:34:20
End at: 2017-11-21 07:34:50
Local clock offset: 3.147 ms
Remote clock offset: -18.298 ms


# Below is generated by plot.py at 2017-11-21 12:59:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 25.229 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 25.229 ms
Loss rate: 1.08%
```
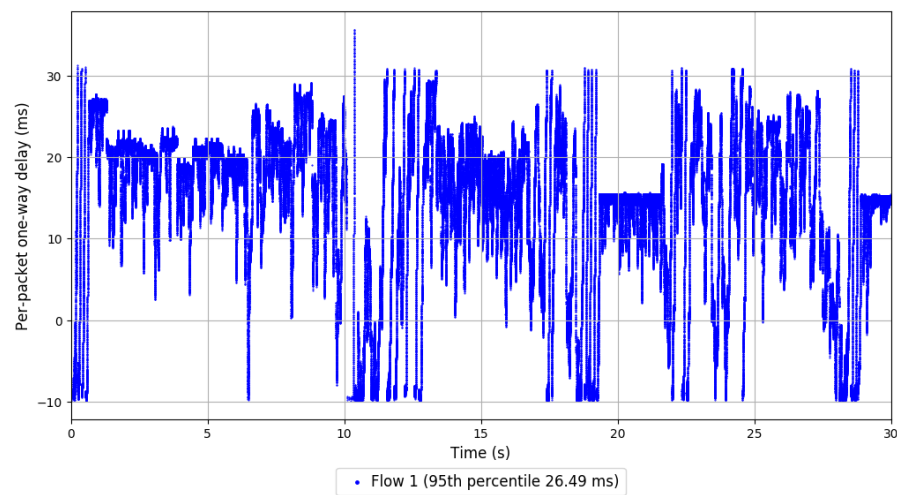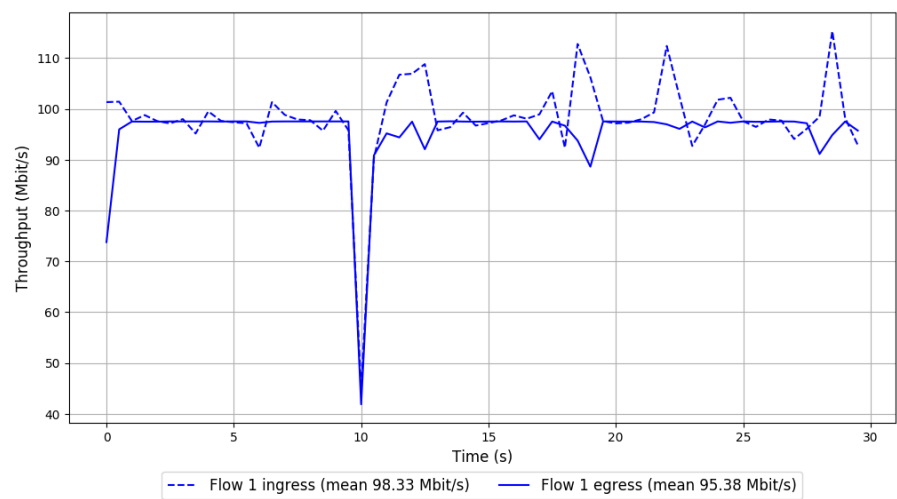
Run 2: Report of TCP BBR — Data Link

Run 3: Statistics of TCP BBR

Start at: 2017-11-21 07:53:10
End at: 2017-11-21 07:53:40
Local clock offset: 0.625 ms
Remote clock offset: -19.149 ms

Run 3: Report of TCP BBR — Data Link

```
Run 4: Statistics of TCP BBR

Start at: 2017-11-21 08:13:42
End at: 2017-11-21 08:14:12
Local clock offset: 4.027 ms
Remote clock offset: -19.088 ms


# Below is generated by plot.py at 2017-11-21 12:59:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 21.290 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 21.290 ms
Loss rate: 3.04%
```
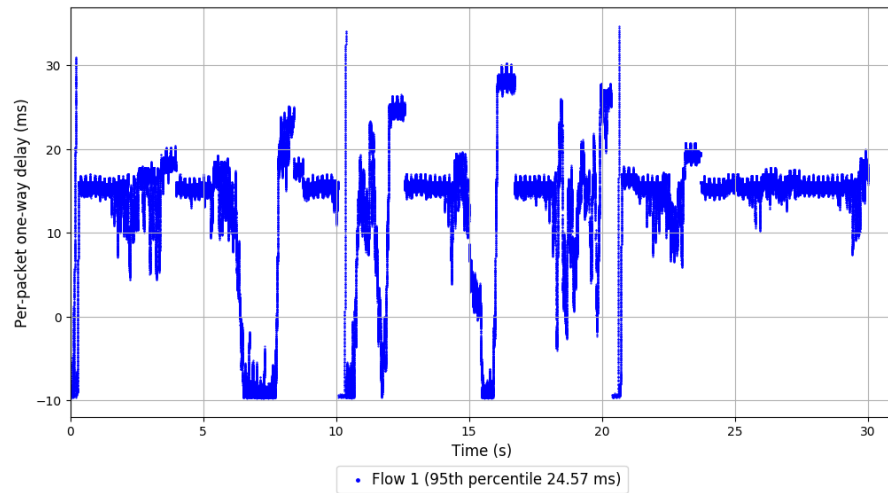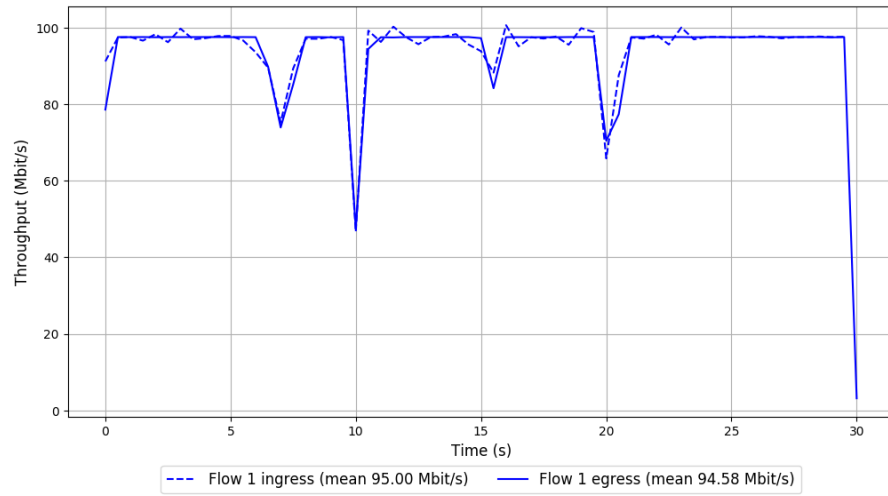
Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: 2017-11-21 08:56:08
End at: 2017-11-21 08:56:38
Local clock offset: 6.201 ms
Remote clock offset: -20.012 ms


# Below is generated by plot.py at 2017-11-21 12:59:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 26.487 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 26.487 ms
Loss rate: 2.93%
```
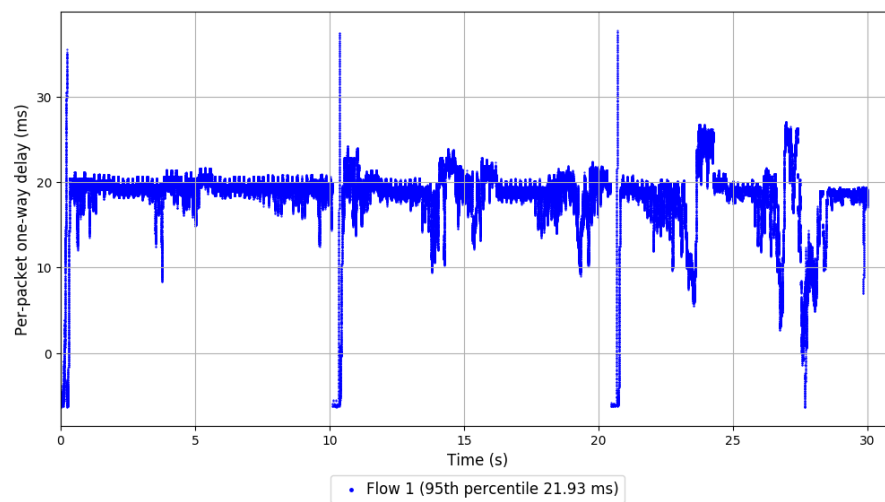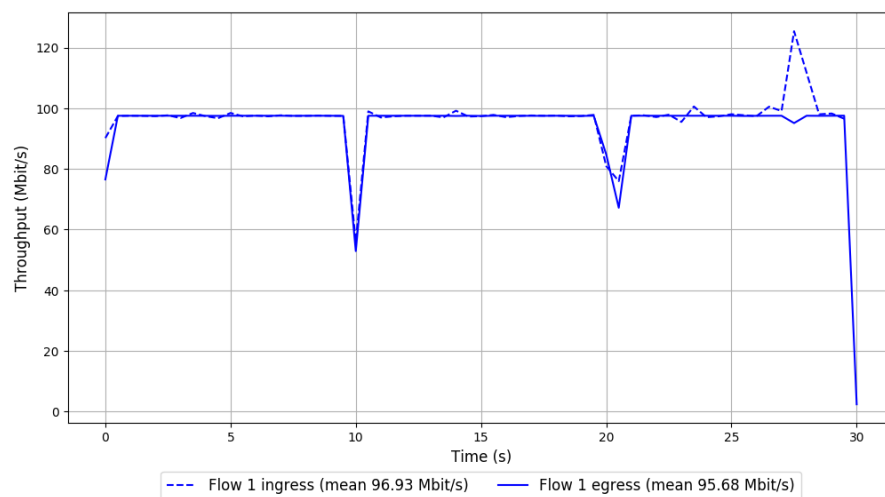
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 98.33 Mbit/s) — Flow 1 egress (mean 95.38 Mbit/s)

• Flow 1 (95th percentile 26.49 ms)

```
Run 6: Statistics of TCP BBR

Start at: 2017-11-21 10:46:59
End at: 2017-11-21 10:47:29
Local clock offset: 5.968 ms
Remote clock offset: -14.12 ms


# Below is generated by plot.py at 2017-11-21 12:59:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 24.575 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 24.575 ms
Loss rate: 0.35%
```

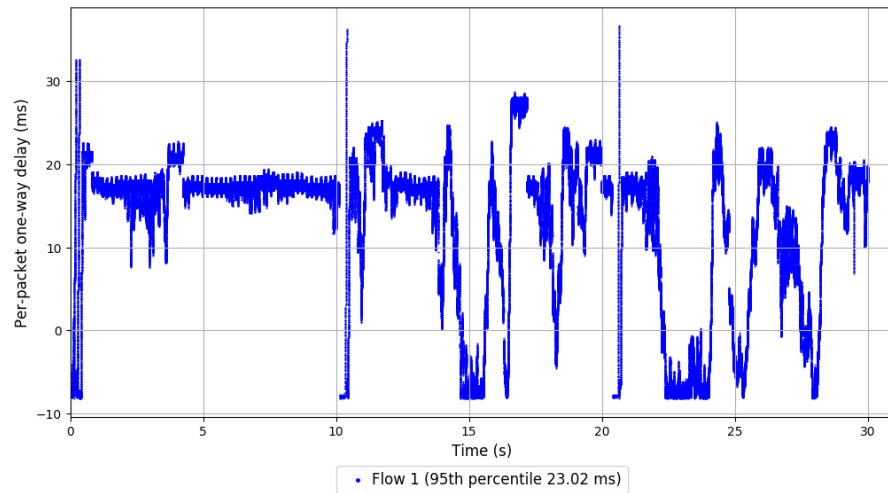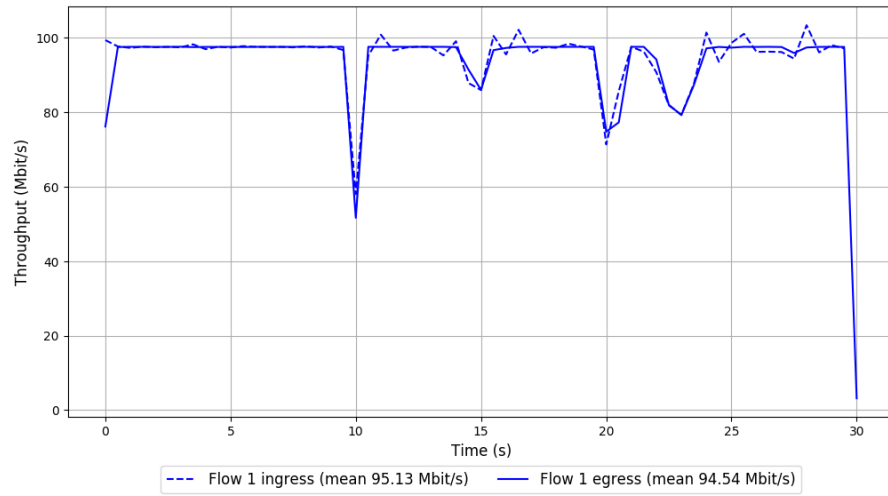Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 95.00 Mbit/s)   Flow 1 egress (mean 94.58 Mbit/s)

Flow 1 (95th percentile 24.57 ms)

15

```
Run 7: Statistics of TCP BBR

Start at: 2017-11-21 11:09:34
End at: 2017-11-21 11:10:04
Local clock offset: 2.251 ms
Remote clock offset: -13.014 ms


# Below is generated by plot.py at 2017-11-21 12:59:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 21.928 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 21.928 ms
Loss rate: 1.22%
```
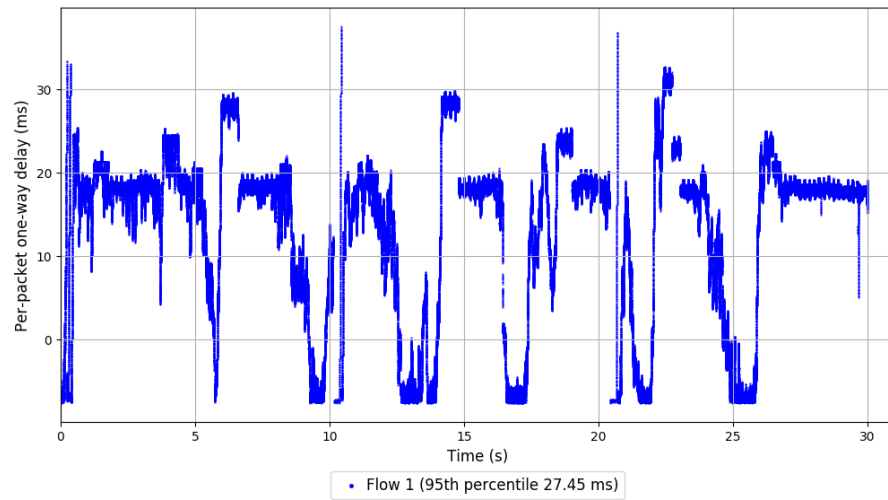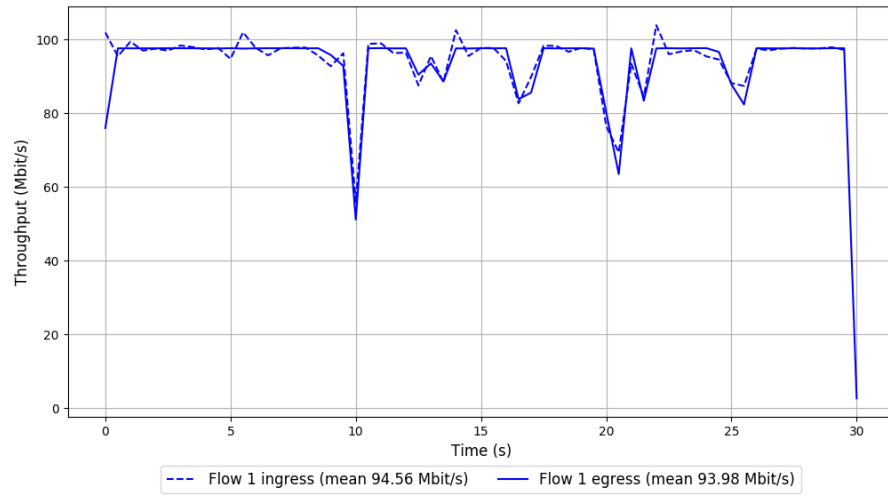
Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2017-11-21 11:41:17
End at: 2017-11-21 11:41:47
Local clock offset: 2.063 ms
Remote clock offset: -14.171 ms


# Below is generated by plot.py at 2017-11-21 12:59:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 23.022 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 94.54 Mbit/s
95th percentile per-packet one-way delay: 23.022 ms
Loss rate: 0.53%
```
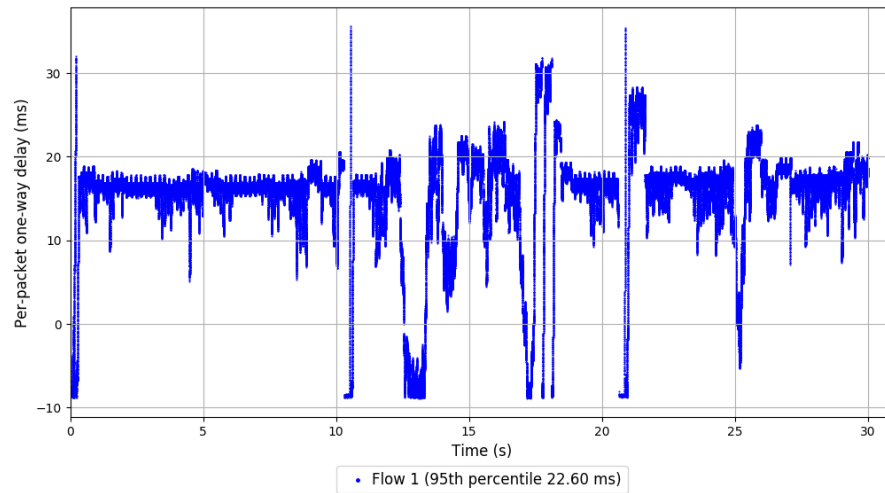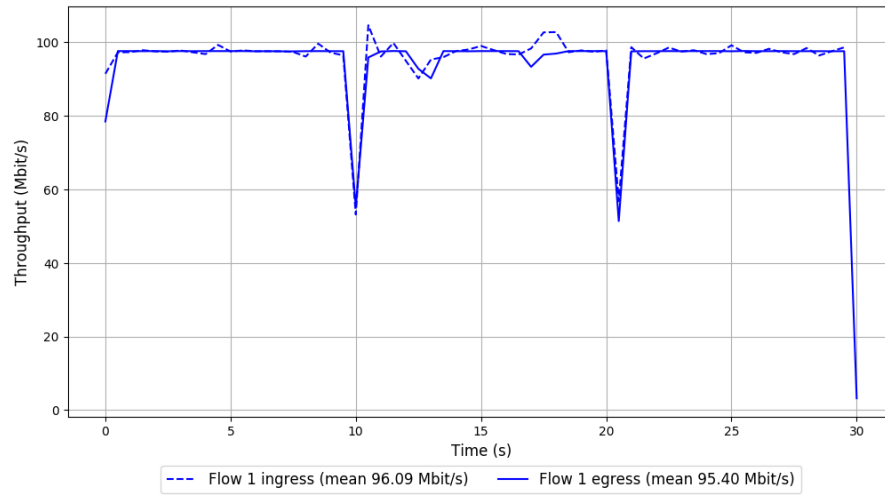
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 95.13 Mbit/s)   Flow 1 egress (mean 94.54 Mbit/s)

• Flow 1 (95th percentile 23.02 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2017-11-21 12:12:56
End at: 2017-11-21 12:13:26
Local clock offset: -0.128 ms
Remote clock offset: -16.386 ms


# Below is generated by plot.py at 2017-11-21 12:59:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 27.446 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 27.446 ms
Loss rate: 0.53%
```
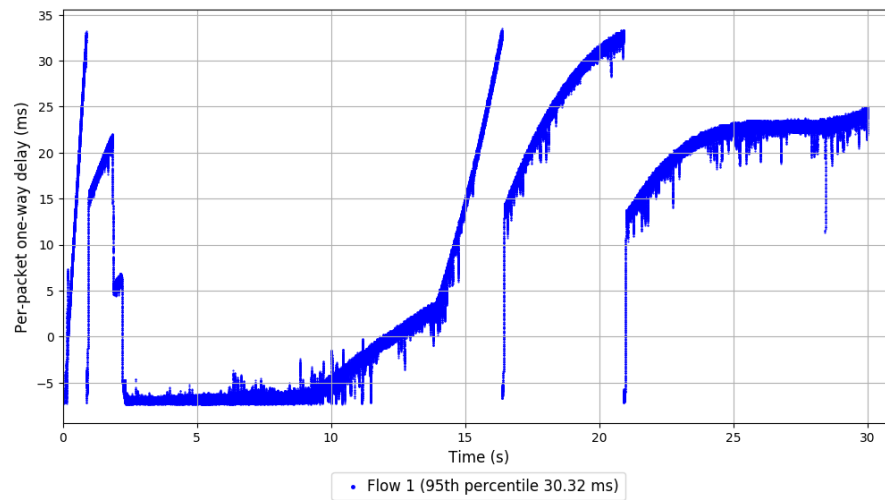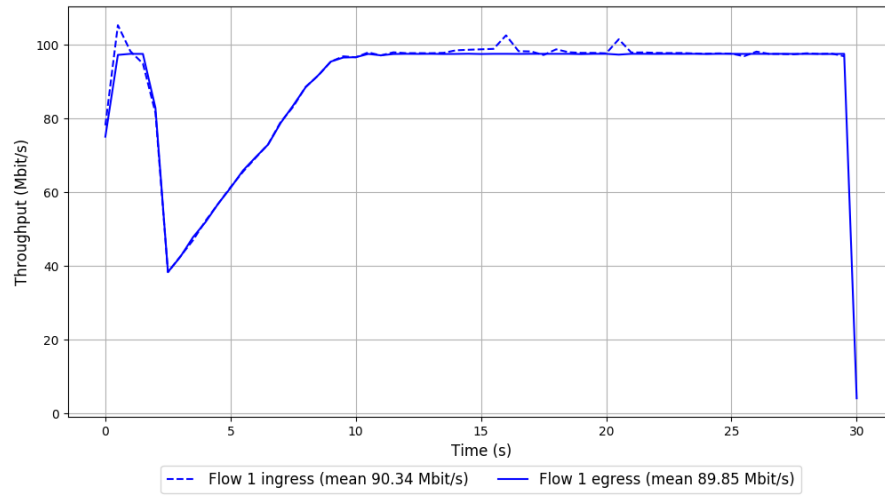
Run 9: Report of TCP BBR — Data Link

```
Run 10: Statistics of TCP BBR

Start at: 2017-11-21 12:35:58
End at: 2017-11-21 12:36:28
Local clock offset: 1.836 ms
Remote clock offset: -15.841 ms

# Below is generated by plot.py at 2017-11-21 13:01:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 22.599 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 22.599 ms
Loss rate: 0.63%
```

Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 96.09 Mbit/s) --- Flow 1 egress (mean 95.40 Mbit/s)

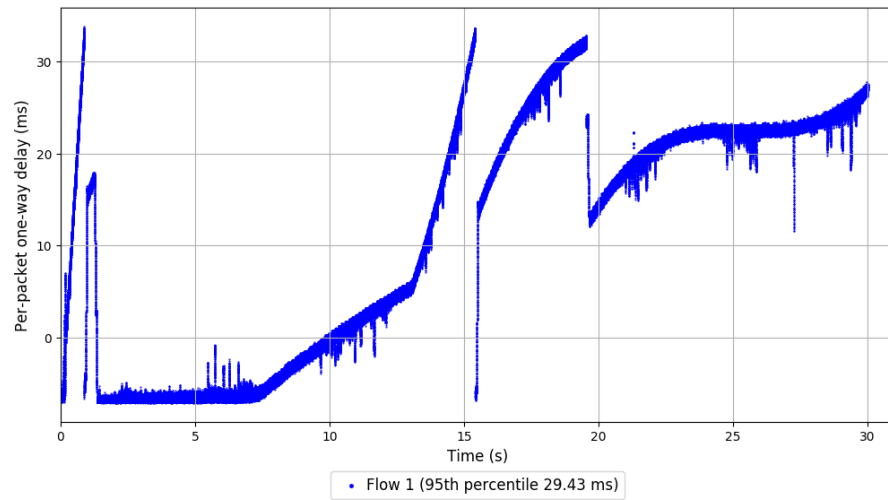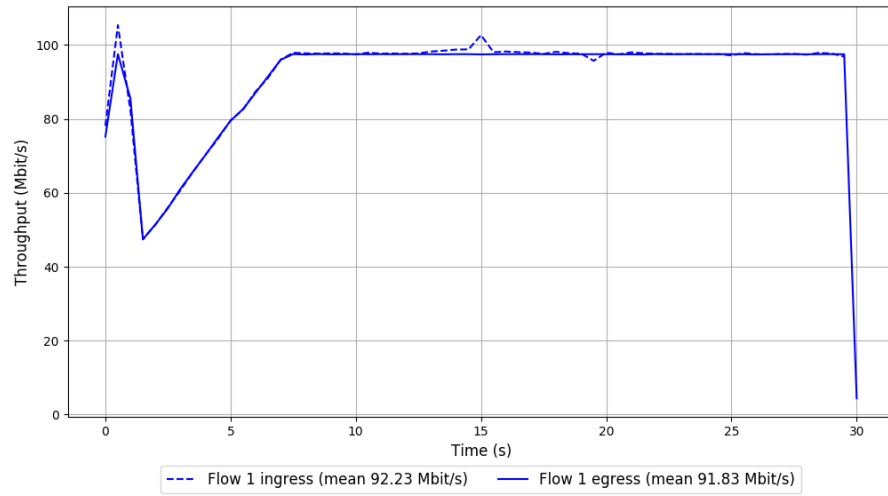Flow 1 (95th percentile 22.60 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2017-11-21 07:02:29
End at: 2017-11-21 07:02:59
Local clock offset: -1.438 ms
Remote clock offset: -18.515 ms

# Below is generated by plot.py at 2017-11-21 13:01:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 30.319 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 30.319 ms
Loss rate: 0.44%
```
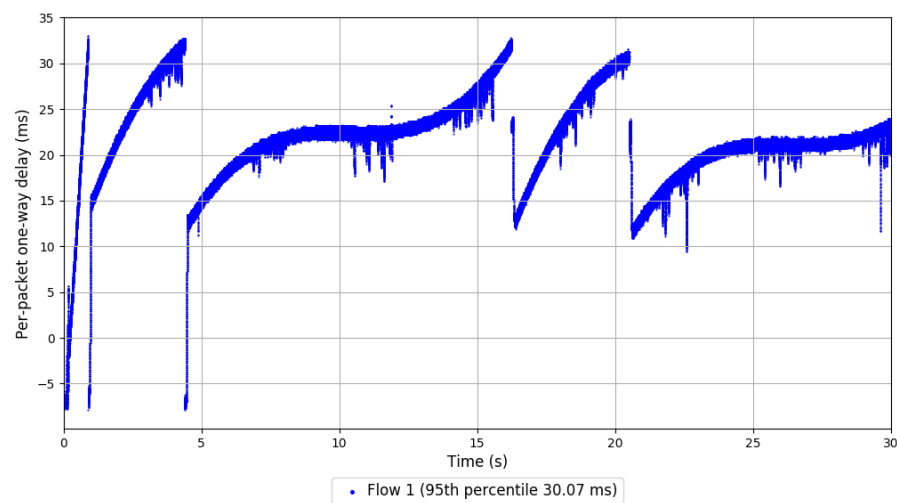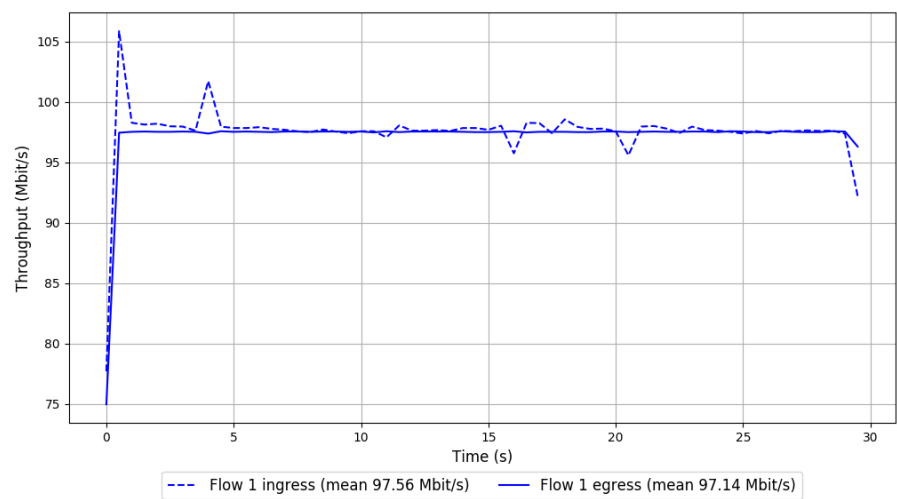
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: 2017-11-21 07:21:17
End at: 2017-11-21 07:21:47
Local clock offset: -1.108 ms
Remote clock offset: -18.781 ms


# Below is generated by plot.py at 2017-11-21 13:01:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 29.431 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 29.431 ms
Loss rate: 0.32%
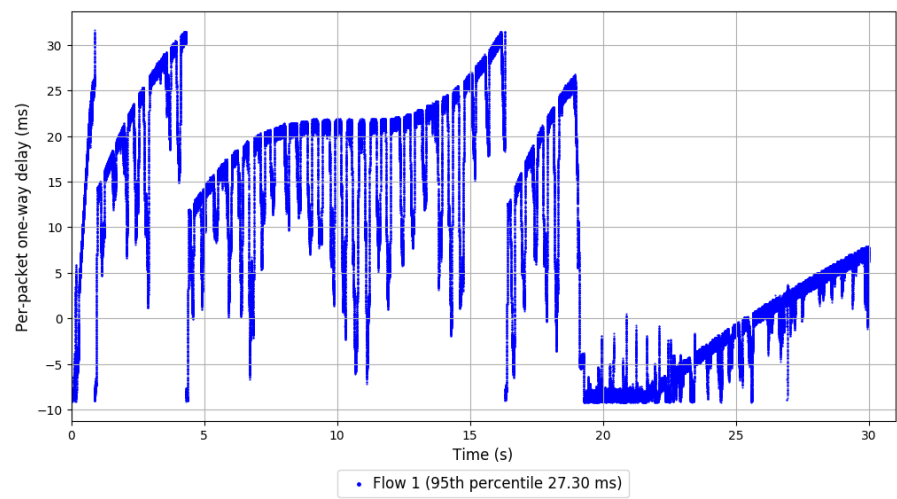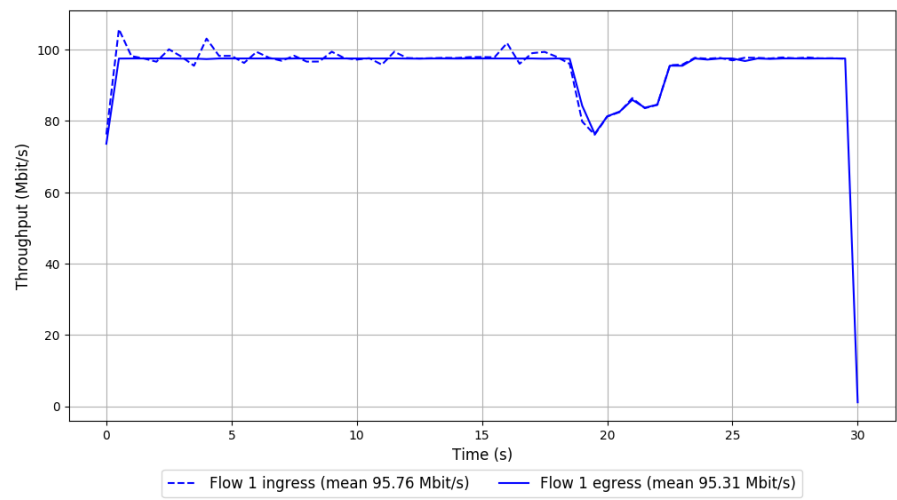```

Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: 2017-11-21 07:38:14
End at: 2017-11-21 07:38:44
Local clock offset: -0.569 ms
Remote clock offset: -20.054 ms

Below is generated by plot.py at 2017-11-21 13:01:13
Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 30.066 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 30.066 ms
Loss rate: 0.33%
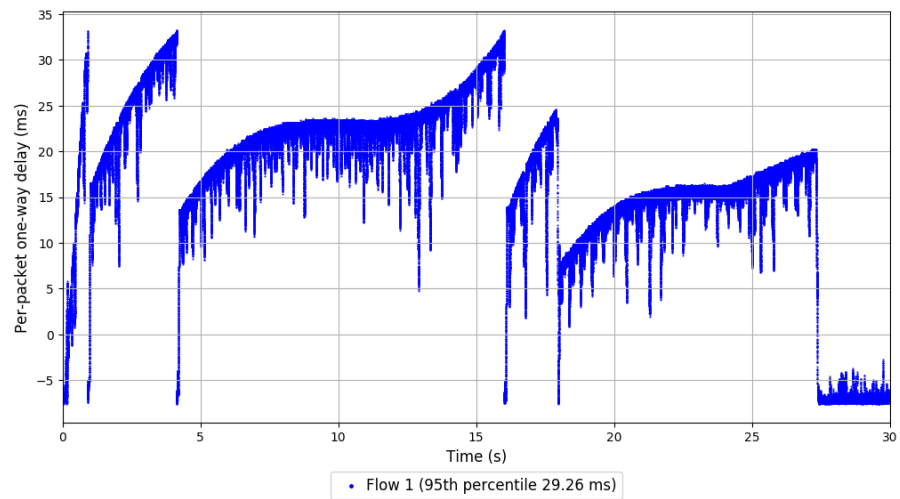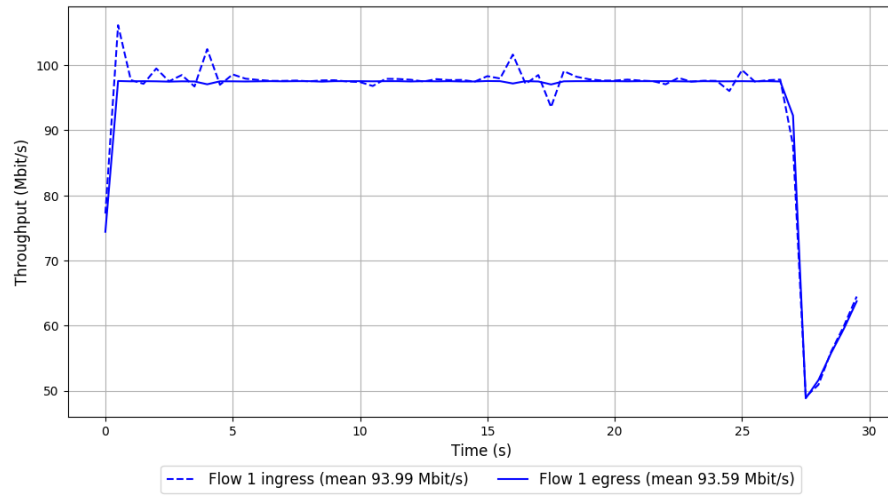```

Run 3: Report of TCP Cubic — Data Link

```
Run 4: Statistics of TCP Cubic

Start at: 2017-11-21 07:57:47
End at: 2017-11-21 07:58:17
Local clock offset: 2.078 ms
Remote clock offset: -19.865 ms


# Below is generated by plot.py at 2017-11-21 13:01:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 27.298 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 27.298 ms
Loss rate: 0.42%
```
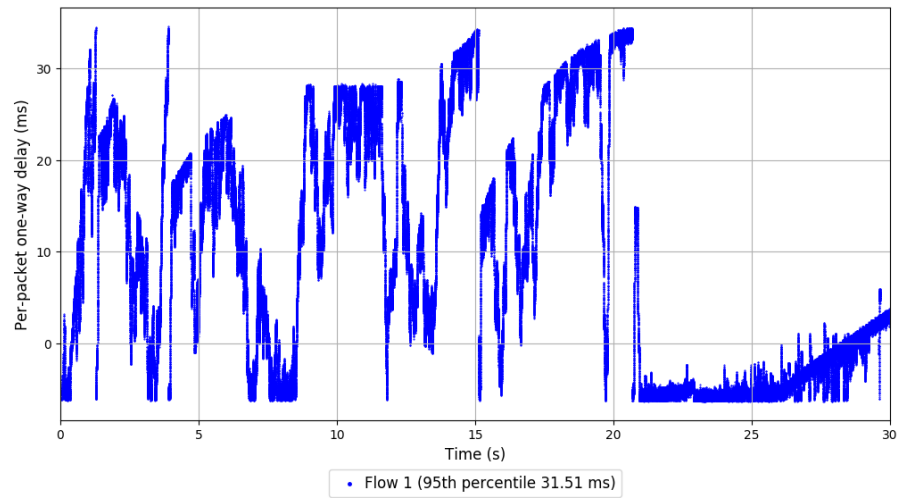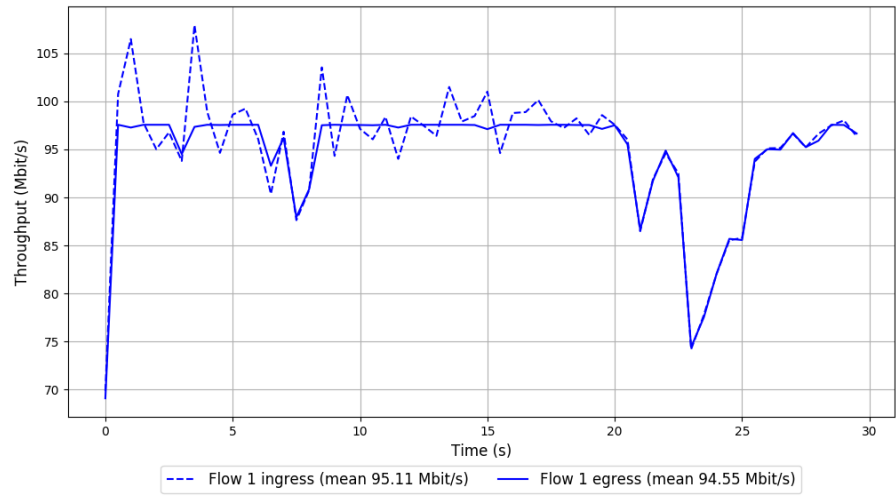
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 95.76 Mbit/s)   Flow 1 egress (mean 95.31 Mbit/s)

Flow 1 (95th percentile 27.30 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2017-11-21 08:19:42
End at: 2017-11-21 08:20:12
Local clock offset: 3.494 ms
Remote clock offset: -18.38 ms


# Below is generated by plot.py at 2017-11-21 13:01:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 29.257 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 93.59 Mbit/s
95th percentile per-packet one-way delay: 29.257 ms
Loss rate: 0.43%
```
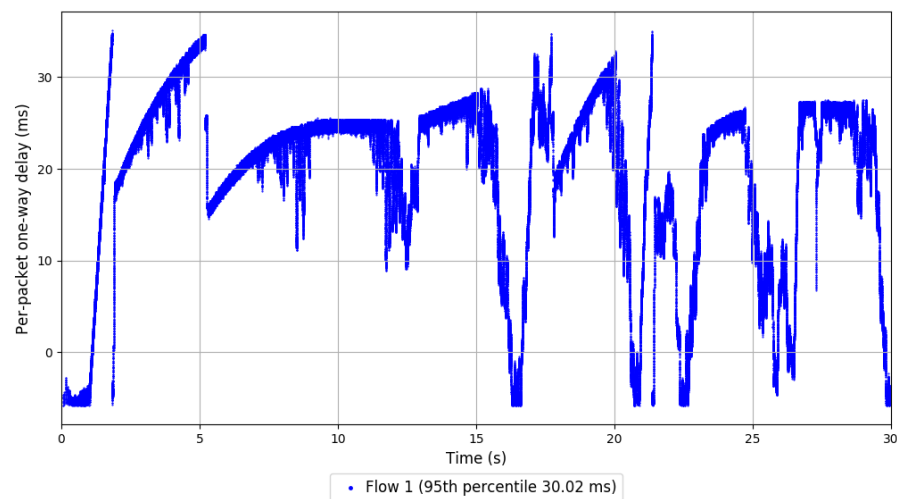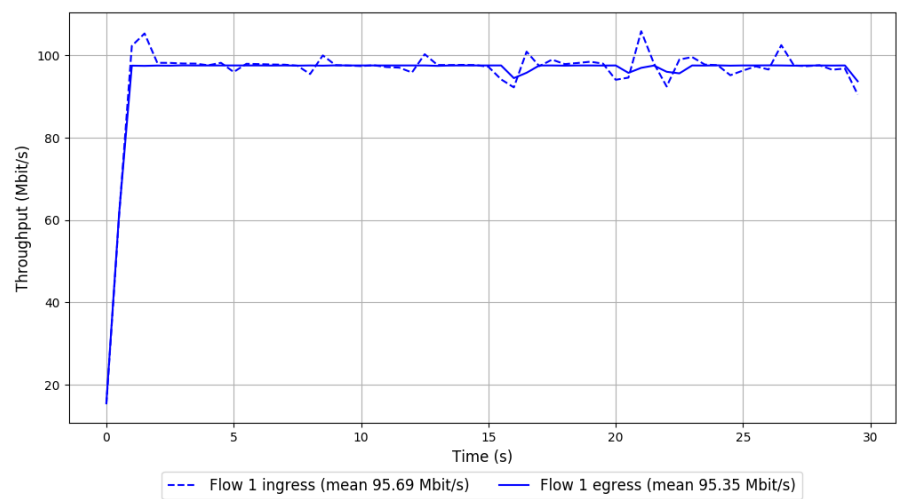
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: 2017-11-21 09:22:22
End at: 2017-11-21 09:22:52
Local clock offset: 3.283 ms
Remote clock offset: -15.631 ms


# Below is generated by plot.py at 2017-11-21 13:01:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 31.514 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 31.514 ms
Loss rate: 0.56%
```
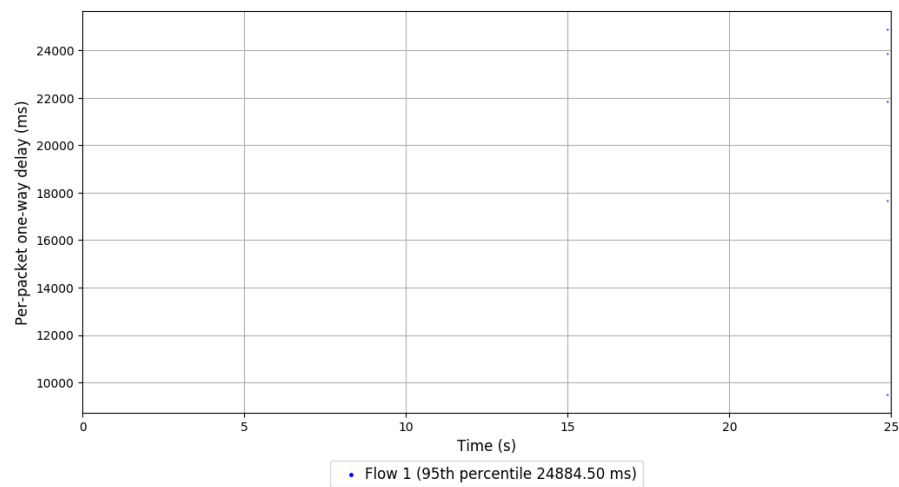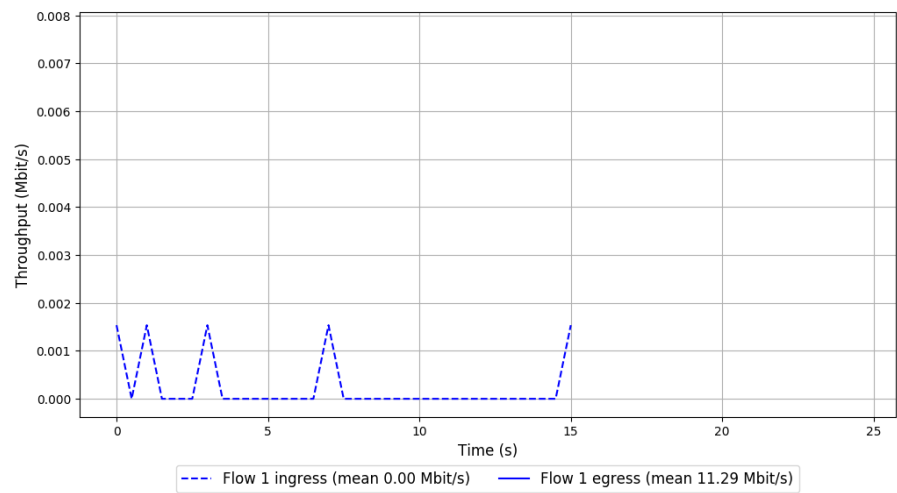
Run 6: Report of TCP Cubic — Data Link

```
Run 7: Statistics of TCP Cubic

Start at: 2017-11-21 10:52:35
End at: 2017-11-21 10:53:05
Local clock offset: 1.576 ms
Remote clock offset: -14.09 ms


# Below is generated by plot.py at 2017-11-21 13:01:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 30.017 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 30.017 ms
Loss rate: 0.35%
```

Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 95.69 Mbit/s) —— Flow 1 egress (mean 95.35 Mbit/s)

• Flow 1 (95th percentile 30.02 ms)

```
Run 8: Statistics of TCP Cubic

Start at: 2017-11-21 11:14:30
End at: 2017-11-21 11:15:00
Local clock offset: 4.305 ms
Remote clock offset: -15.043 ms
```
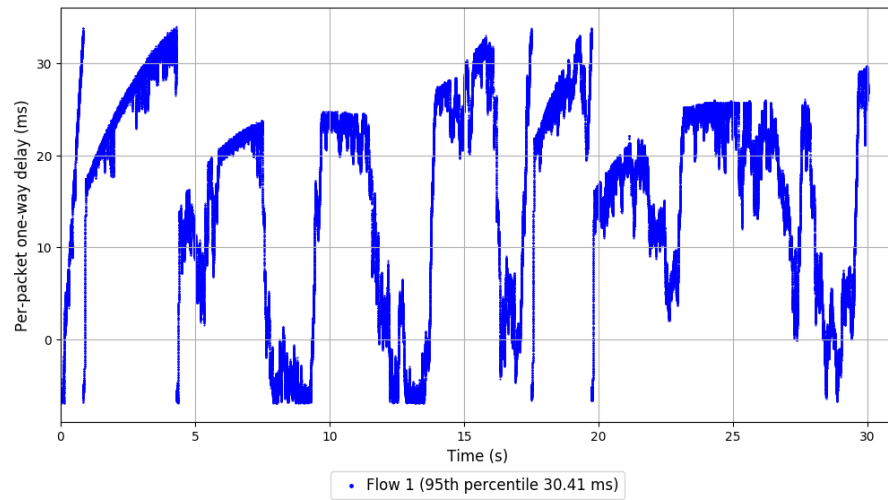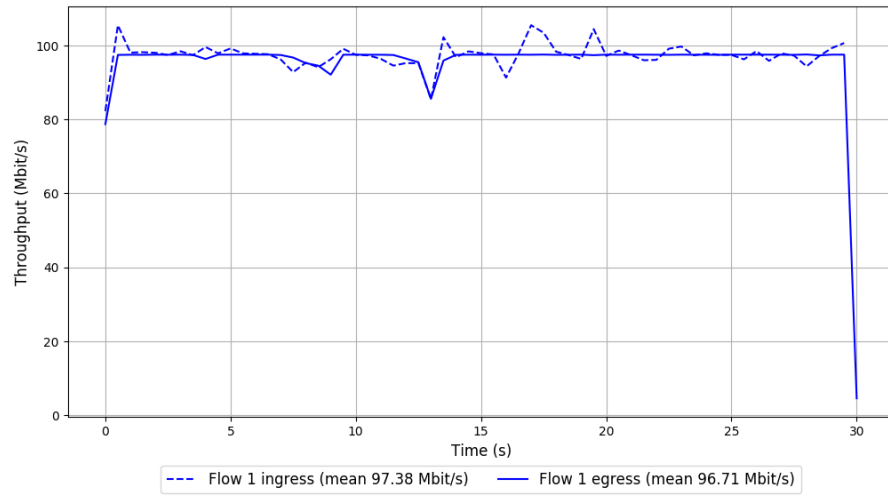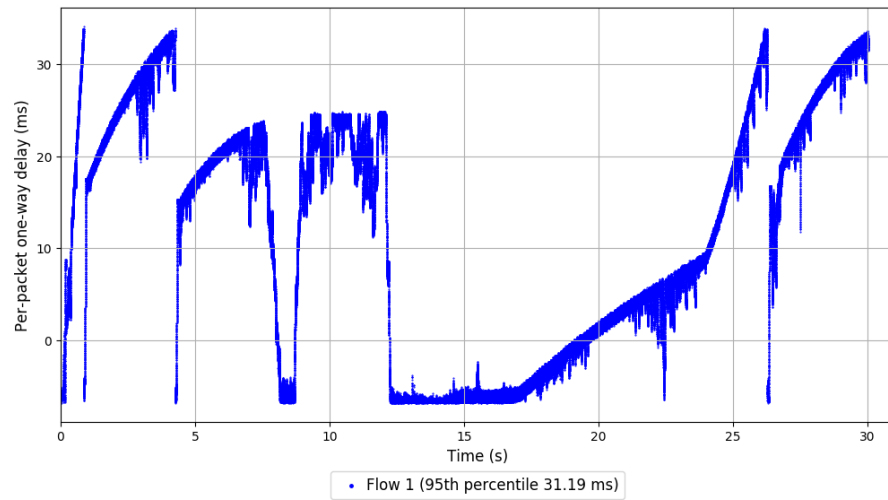
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 0.00 Mbit/s) ----   Flow 1 egress (mean 11.29 Mbit/s) ——
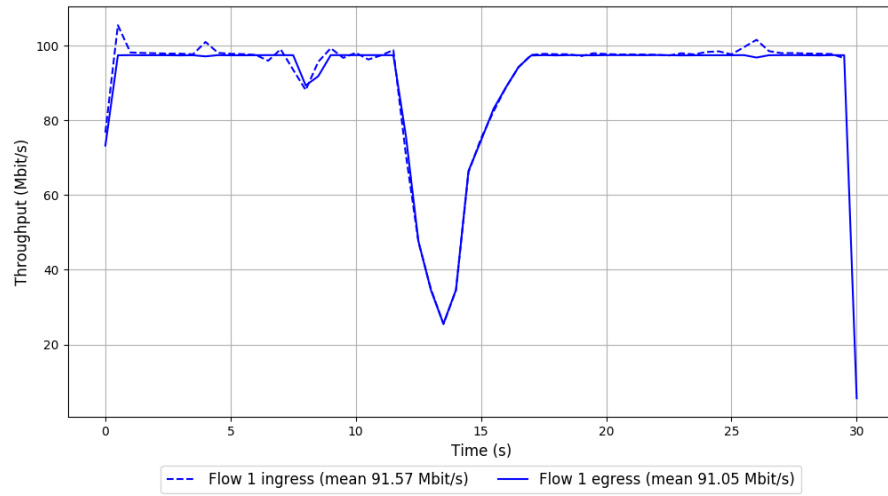

• Flow 1 (95th percentile 24884.50 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2017-11-21 11:47:00
End at: 2017-11-21 11:47:30
Local clock offset: 0.703 ms
Remote clock offset: -14.361 ms


# Below is generated by plot.py at 2017-11-21 13:02:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 30.414 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 96.71 Mbit/s
95th percentile per-packet one-way delay: 30.414 ms
Loss rate: 0.57%
```
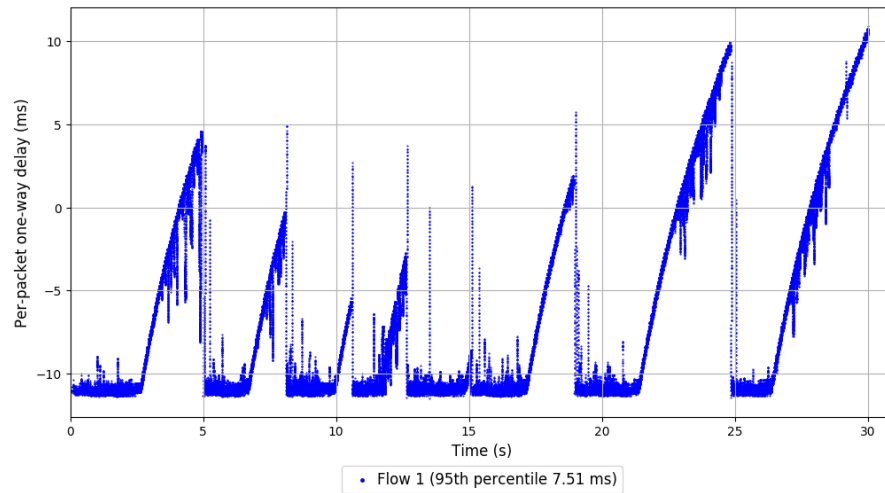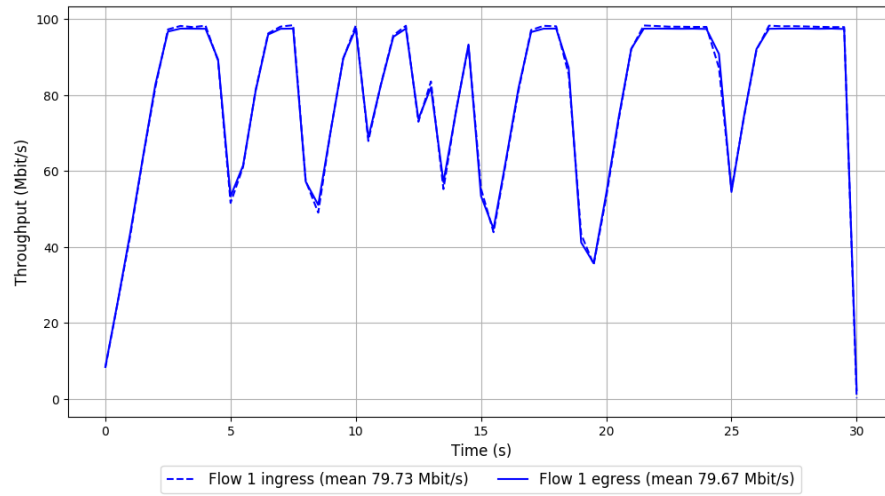
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 97.38 Mbit/s) --- Flow 1 egress (mean 96.71 Mbit/s)

Flow 1 (95th percentile 30.41 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2017-11-21 12:18:11
End at: 2017-11-21 12:18:41
Local clock offset: 0.462 ms
Remote clock offset: -15.063 ms


# Below is generated by plot.py at 2017-11-21 13:02:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 31.188 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 91.05 Mbit/s
95th percentile per-packet one-way delay: 31.188 ms
Loss rate: 0.43%
```
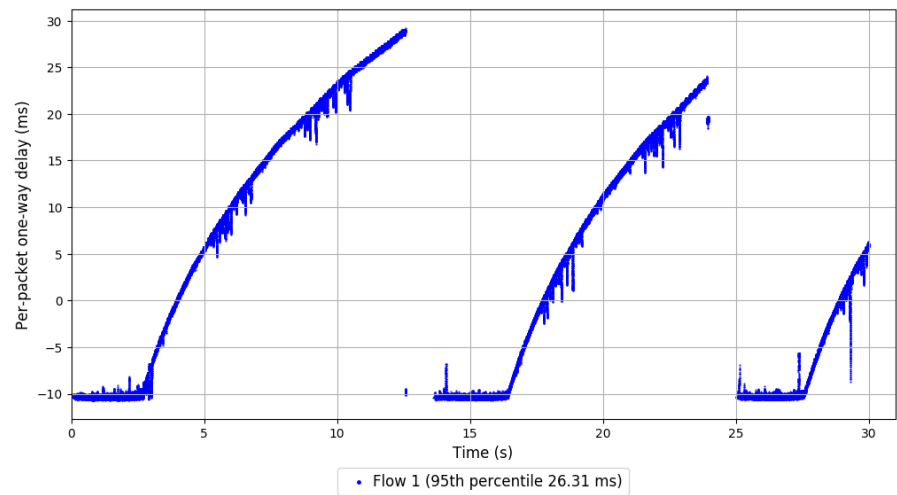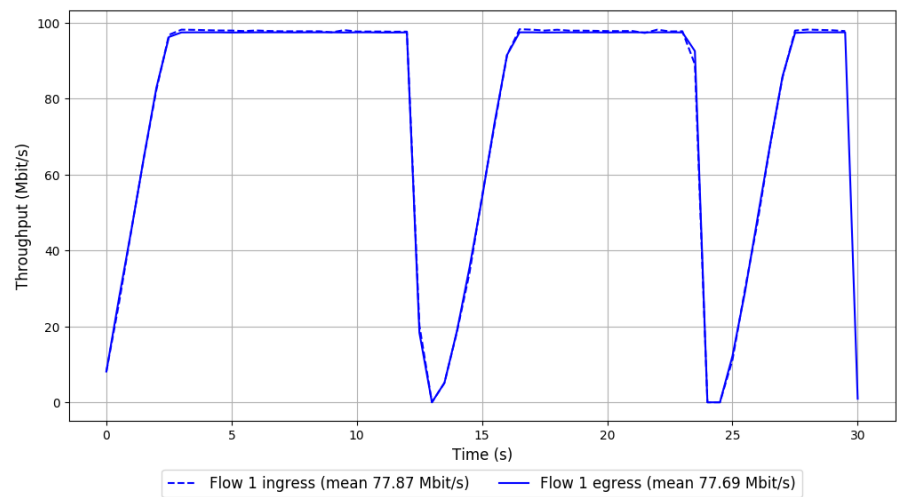
Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2017-11-21 07:01:14
End at: 2017-11-21 07:01:44
Local clock offset: 1.809 ms
Remote clock offset: -19.169 ms

# Below is generated by plot.py at 2017-11-21 13:02:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.67 Mbit/s
95th percentile per-packet one-way delay: 7.509 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 79.67 Mbit/s
95th percentile per-packet one-way delay: 7.509 ms
Loss rate: 0.01%
```
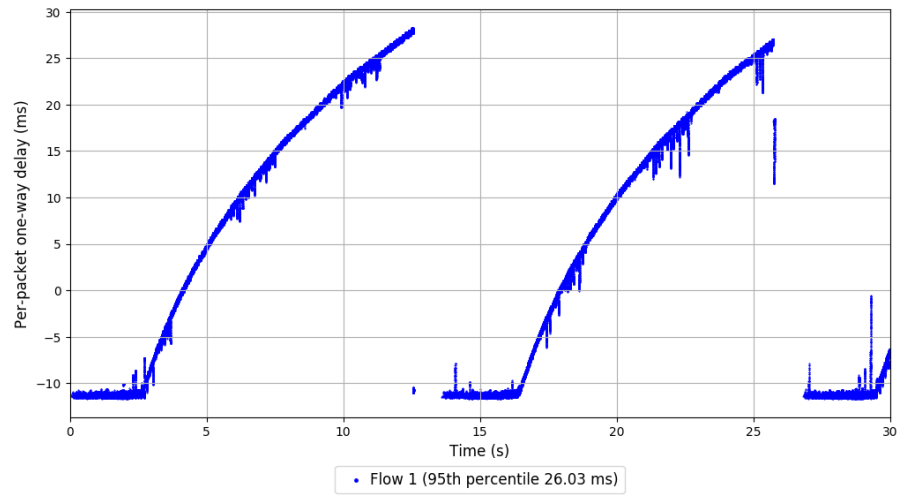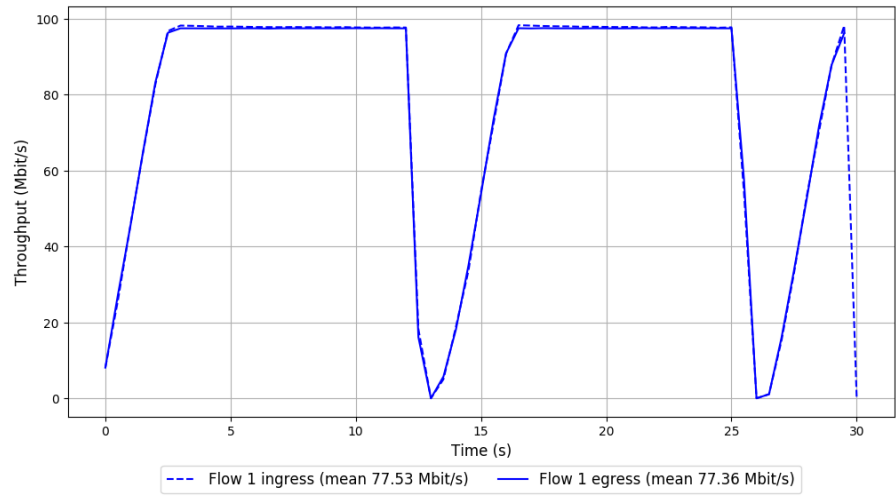
Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: 2017-11-21 07:20:03
End at: 2017-11-21 07:20:33
Local clock offset: 3.02 ms
Remote clock offset: -18.15 ms

# Below is generated by plot.py at 2017-11-21 13:02:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.69 Mbit/s
95th percentile per-packet one-way delay: 26.309 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 77.69 Mbit/s
95th percentile per-packet one-way delay: 26.309 ms
Loss rate: 0.18%
```
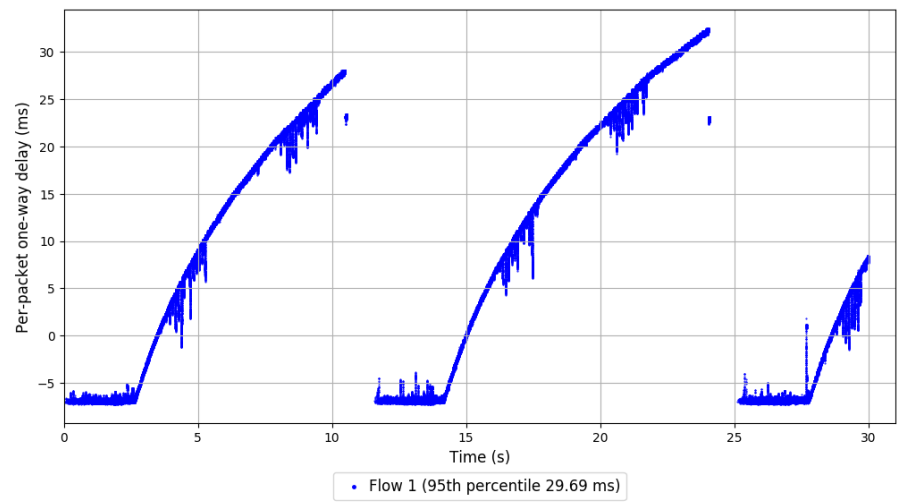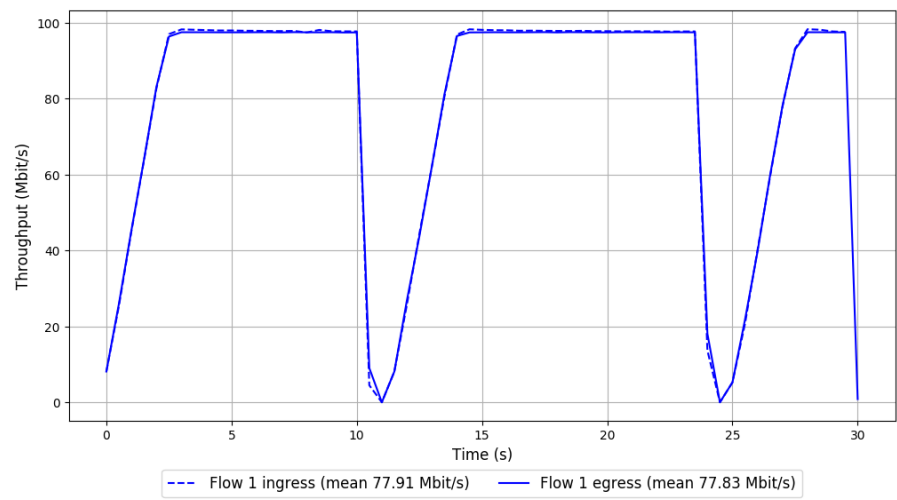
Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 77.87 Mbit/s)   Flow 1 egress (mean 77.69 Mbit/s)

Flow 1 (95th percentile 26.31 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2017-11-21 07:37:02
End at: 2017-11-21 07:37:32
Local clock offset: -3.926 ms
Remote clock offset: -27.236 ms


# Below is generated by plot.py at 2017-11-21 13:02:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.36 Mbit/s
95th percentile per-packet one-way delay: 26.031 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 77.36 Mbit/s
95th percentile per-packet one-way delay: 26.031 ms
Loss rate: 0.20%
```
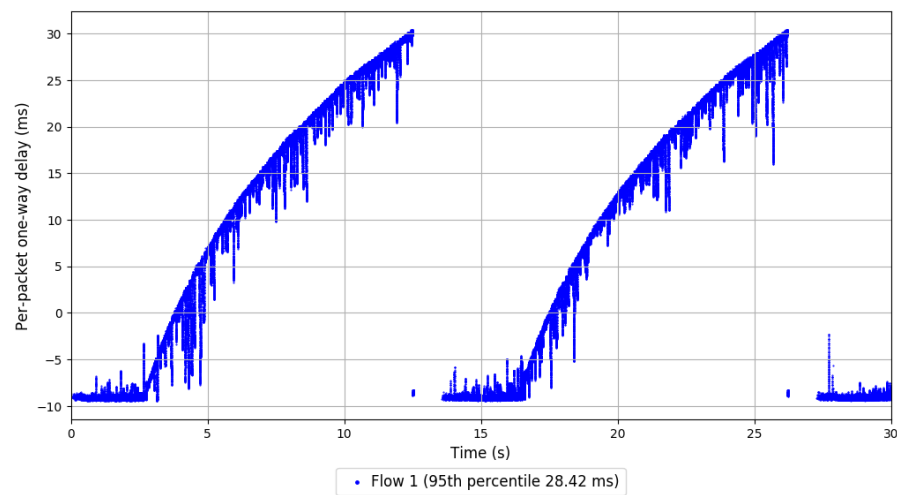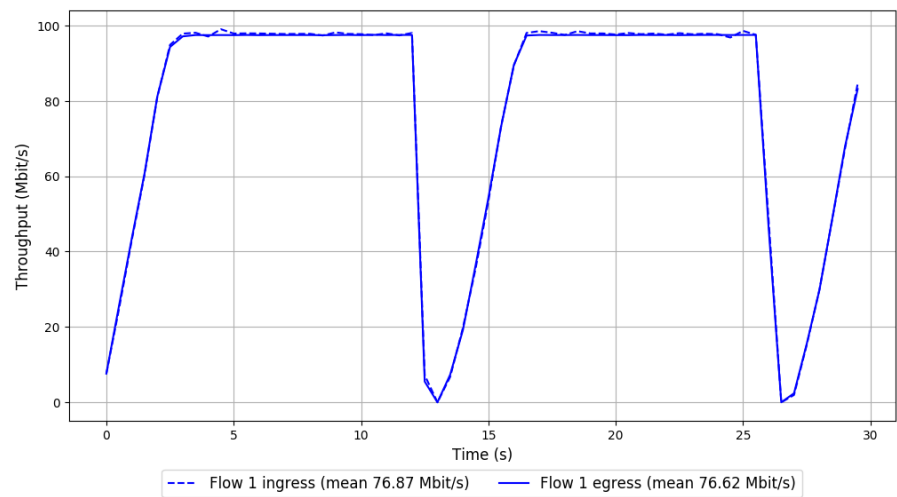
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 77.53 Mbit/s)   Flow 1 egress (mean 77.36 Mbit/s)

Flow 1 (95th percentile 26.03 ms)

```
Run 4: Statistics of LEDBAT

Start at: 2017-11-21 07:55:23
End at: 2017-11-21 07:55:53
Local clock offset: 1.575 ms
Remote clock offset: -18.267 ms


# Below is generated by plot.py at 2017-11-21 13:02:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 29.693 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 29.693 ms
Loss rate: 0.06%
```

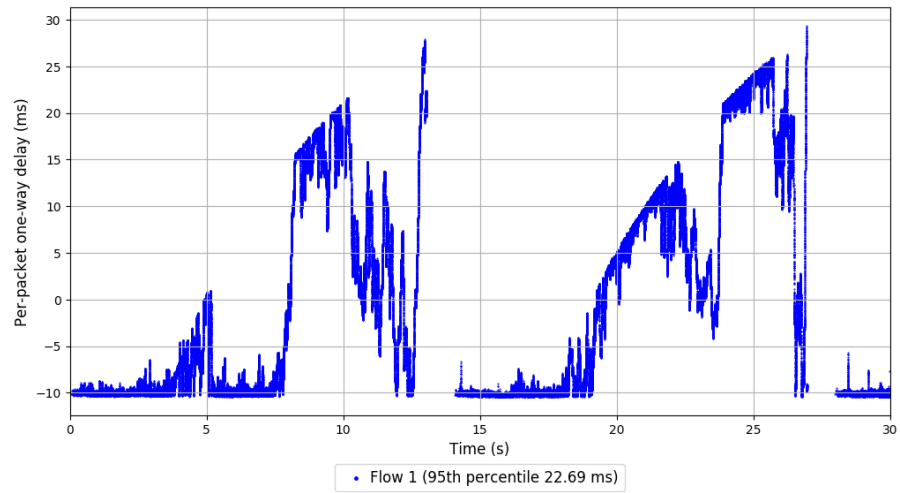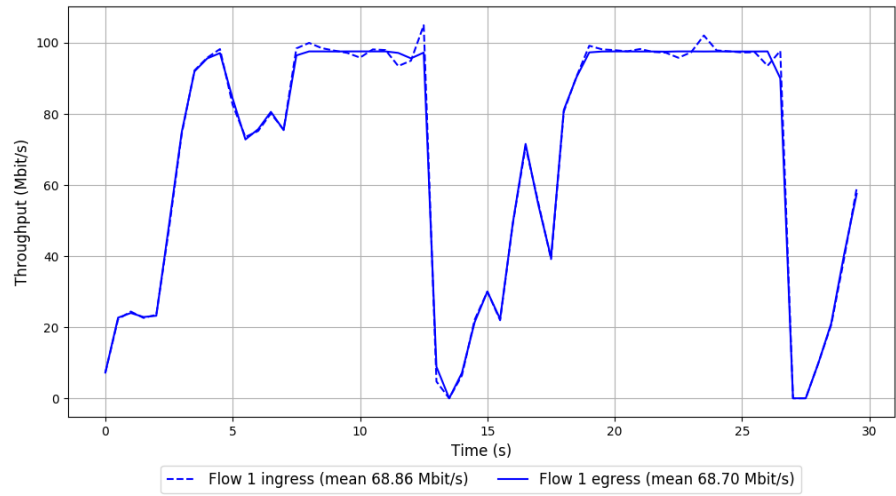Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: 2017-11-21 08:17:38
End at: 2017-11-21 08:18:08
Local clock offset: 4.686 ms
Remote clock offset: -18.873 ms


# Below is generated by plot.py at 2017-11-21 13:02:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 28.420 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 76.62 Mbit/s
95th percentile per-packet one-way delay: 28.420 ms
Loss rate: 0.33%
```

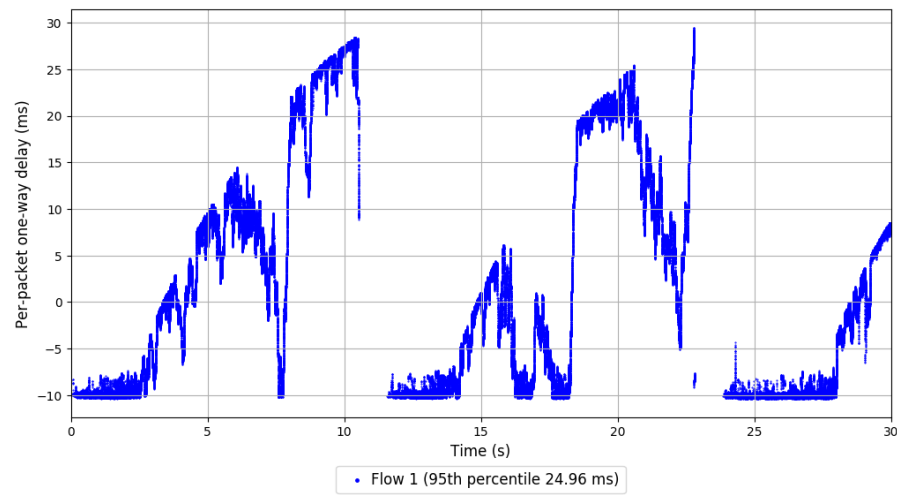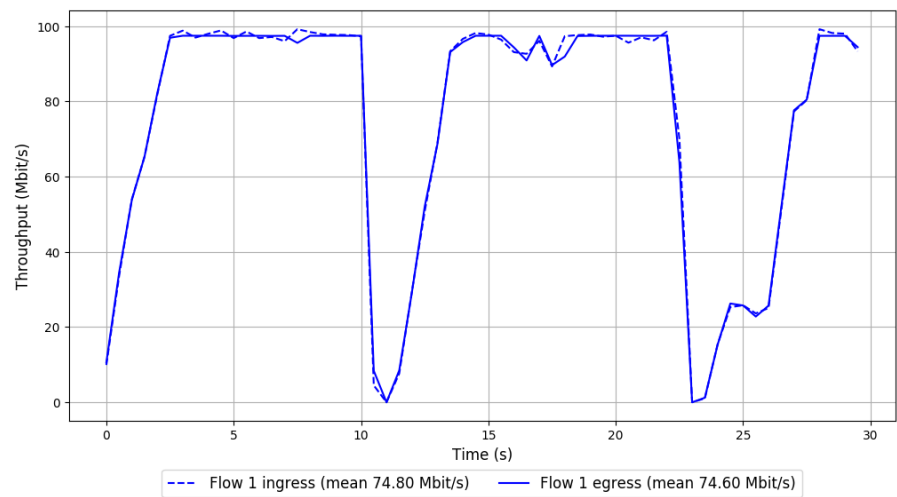Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2017-11-21 09:08:40
End at: 2017-11-21 09:09:10
Local clock offset: 5.991 ms
Remote clock offset: -18.914 ms


# Below is generated by plot.py at 2017-11-21 13:02:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 22.687 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 68.70 Mbit/s
95th percentile per-packet one-way delay: 22.687 ms
Loss rate: 0.23%
```

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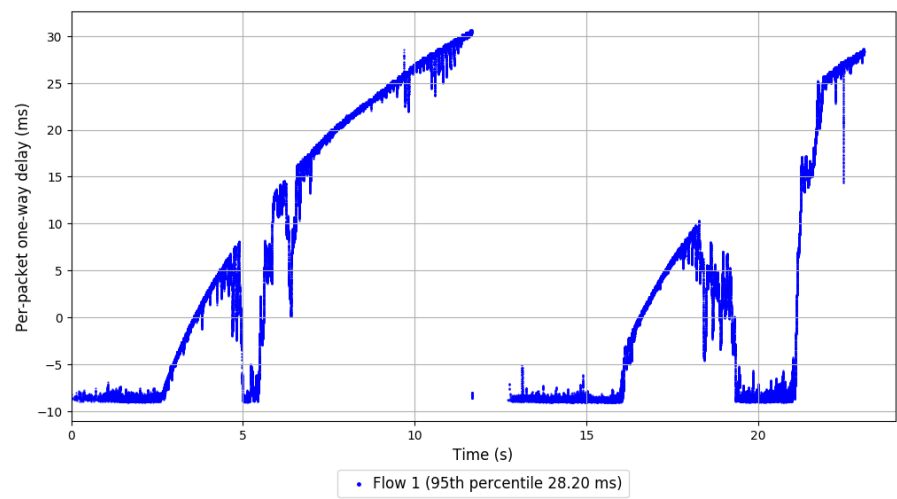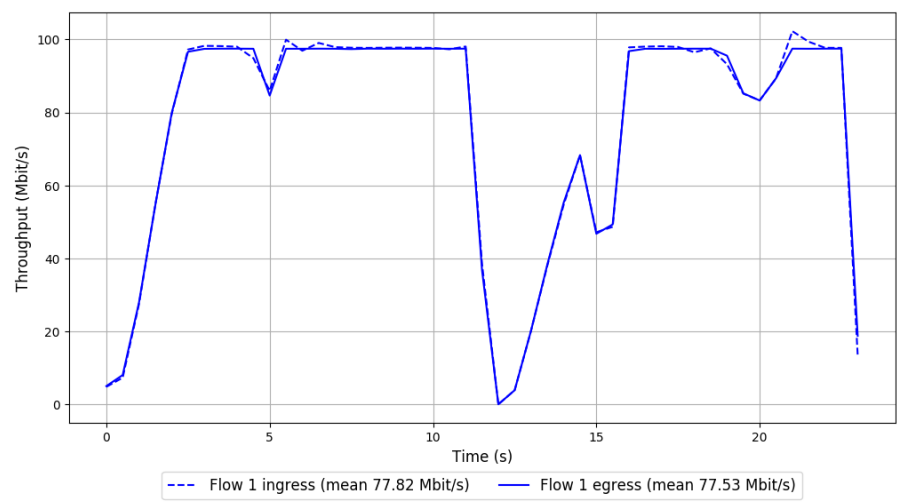
```
Run 7: Statistics of LEDBAT

Start at: 2017-11-21 10:50:40
End at: 2017-11-21 10:51:10
Local clock offset: 4.503 ms
Remote clock offset: -15.835 ms


# Below is generated by plot.py at 2017-11-21 13:03:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 24.960 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 74.60 Mbit/s
95th percentile per-packet one-way delay: 24.960 ms
Loss rate: 0.20%
```

Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 74.80 Mbit/s) --- Flow 1 egress (mean 74.60 Mbit/s)

Flow 1 (95th percentile 24.96 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2017-11-21 11:12:29
End at: 2017-11-21 11:12:59
Local clock offset: 3.094 ms
Remote clock offset: -14.852 ms
```
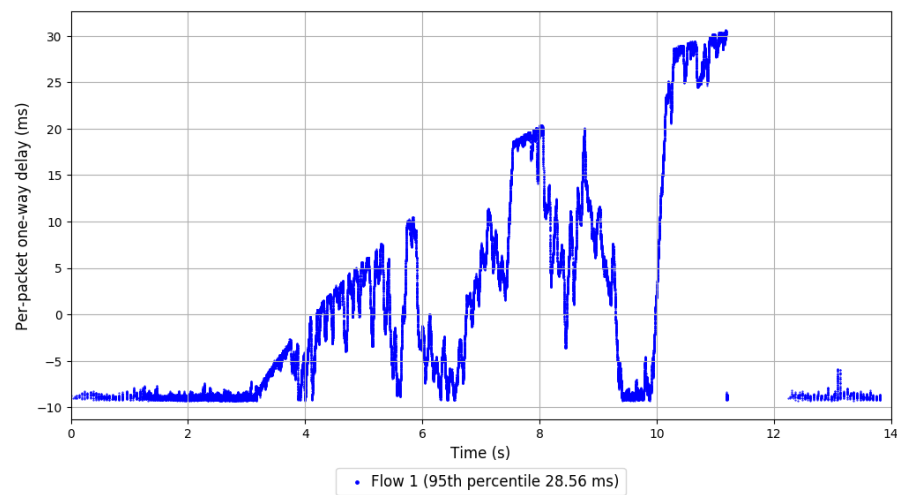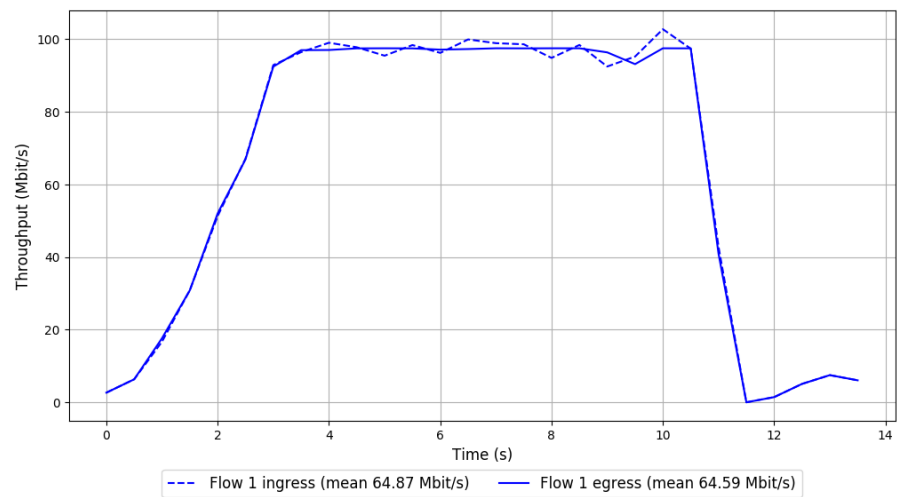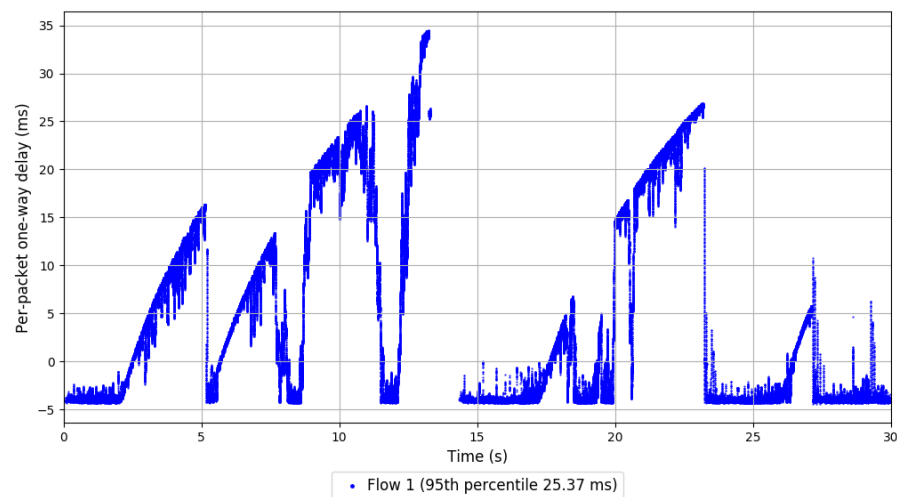
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 77.82 Mbit/s)   Flow 1 egress (mean 77.53 Mbit/s)

Flow 1 (95th percentile 28.20 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2017-11-21 11:44:04
End at: 2017-11-21 11:44:34
Local clock offset: 2.612 ms
Remote clock offset: -14.846 ms
```
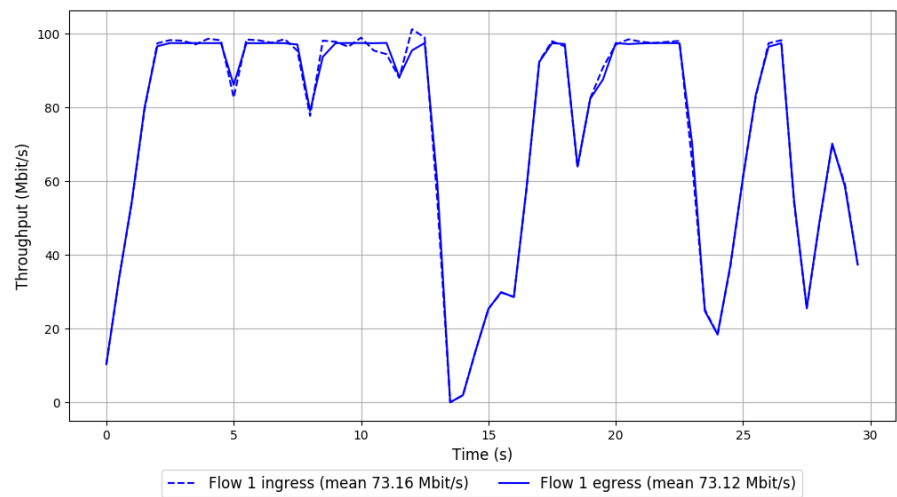
Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 64.87 Mbit/s)   Flow 1 egress (mean 64.59 Mbit/s)
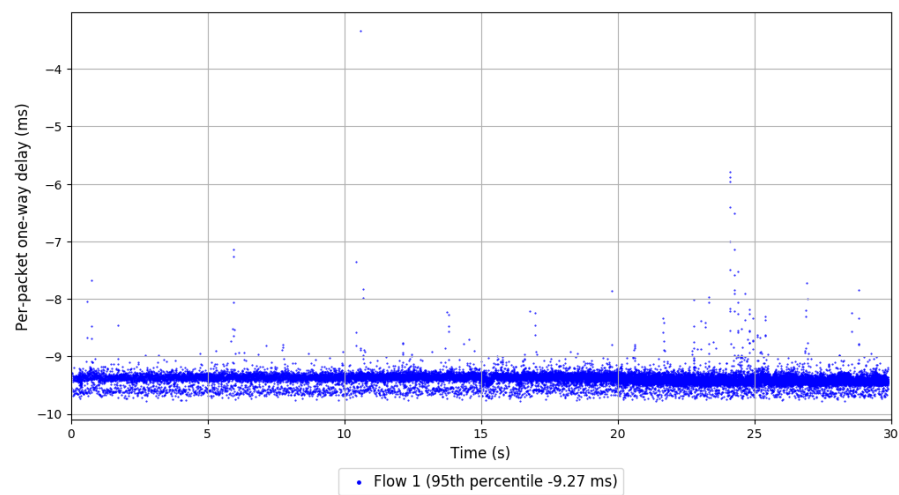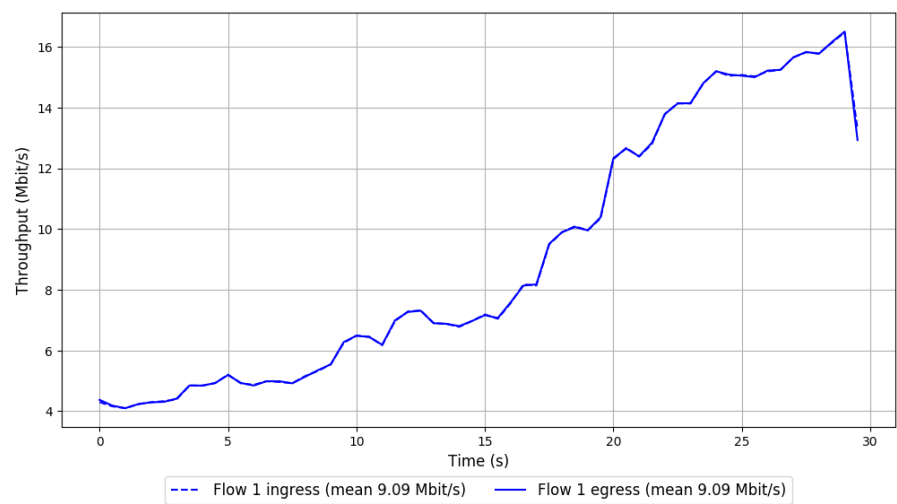

Flow 1 (95th percentile 28.56 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2017-11-21 12:16:26
End at: 2017-11-21 12:16:56
Local clock offset: 1.617 ms
Remote clock offset: -11.39 ms


# Below is generated by plot.py at 2017-11-21 13:03:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.12 Mbit/s
95th percentile per-packet one-way delay: 25.368 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 73.12 Mbit/s
95th percentile per-packet one-way delay: 25.368 ms
Loss rate: 0.05%
```

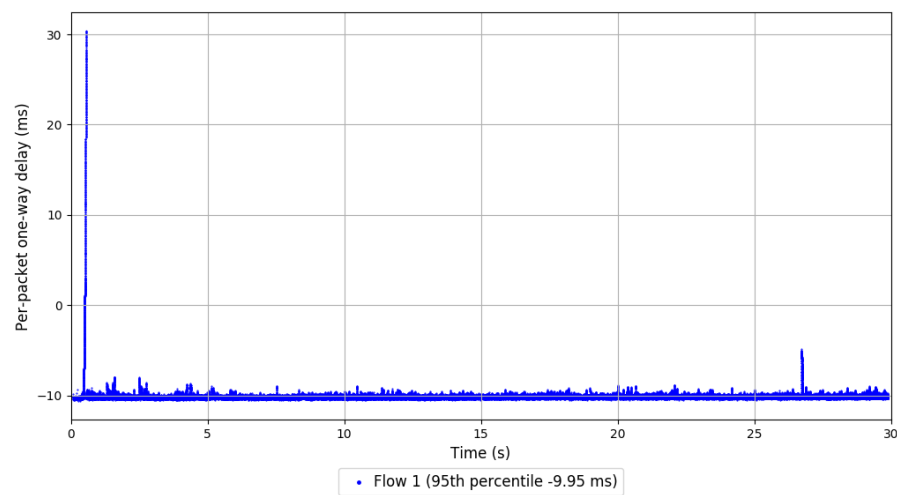Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: 2017-11-21 07:15:24
End at: 2017-11-21 07:15:54
Local clock offset: 0.242 ms
Remote clock offset: -19.498 ms


# Below is generated by plot.py at 2017-11-21 13:03:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: -9.271 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: -9.271 ms
Loss rate: 0.00%
```
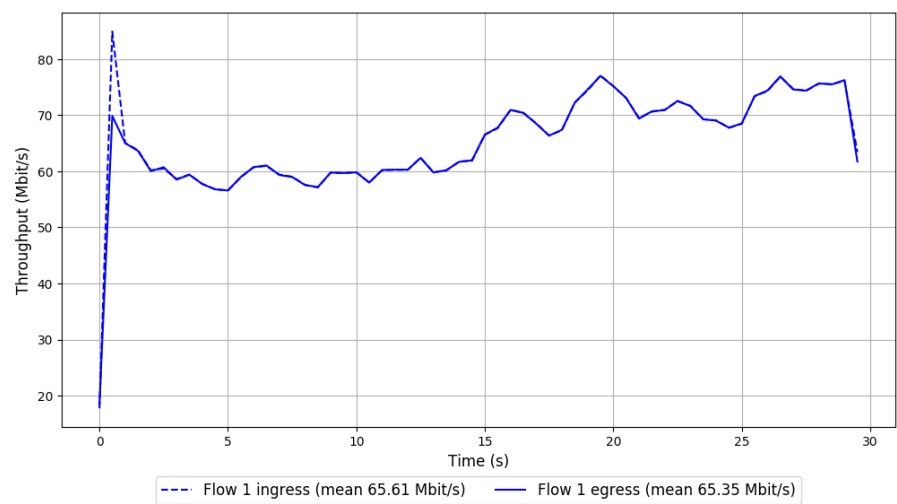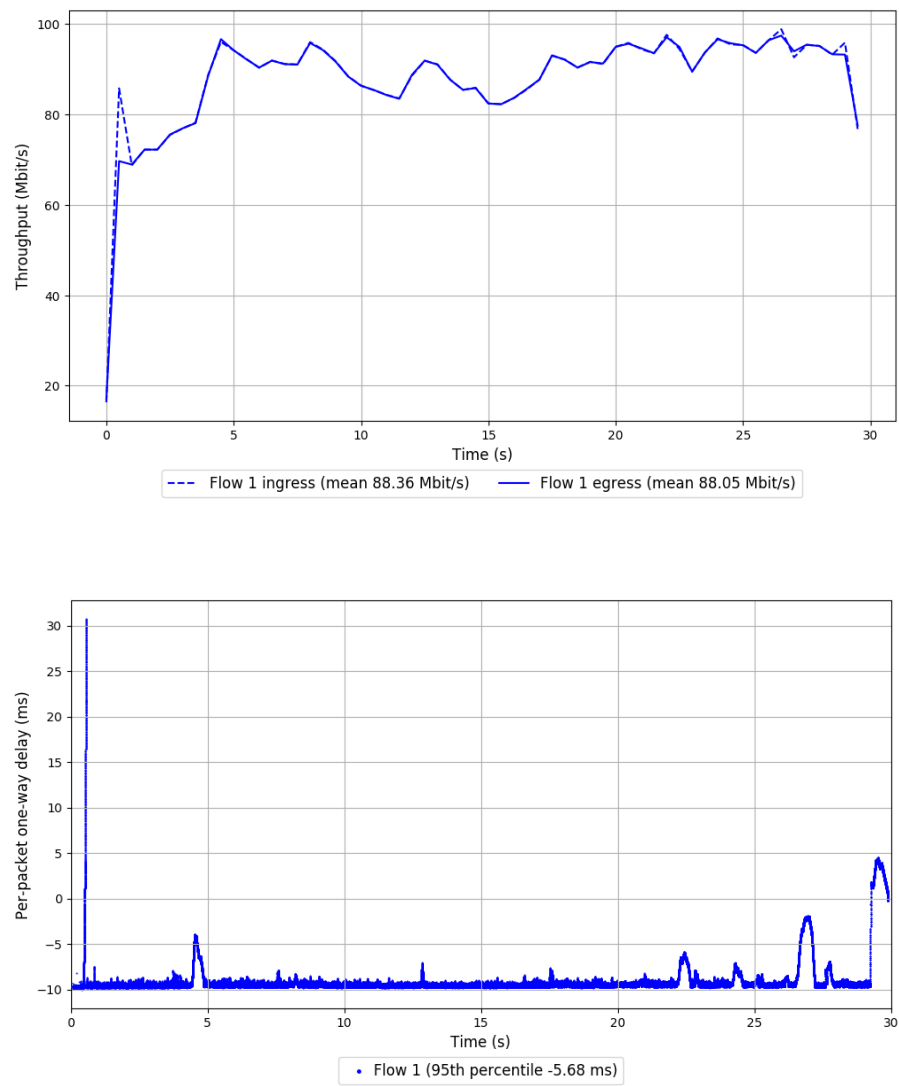
Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: 2017-11-21 07:33:04
End at: 2017-11-21 07:33:34
Local clock offset: 2.281 ms
Remote clock offset: -19.742 ms

# Below is generated by plot.py at 2017-11-21 13:03:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.35 Mbit/s
95th percentile per-packet one-way delay: -9.952 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 65.35 Mbit/s
95th percentile per-packet one-way delay: -9.952 ms
Loss rate: 0.40%
```
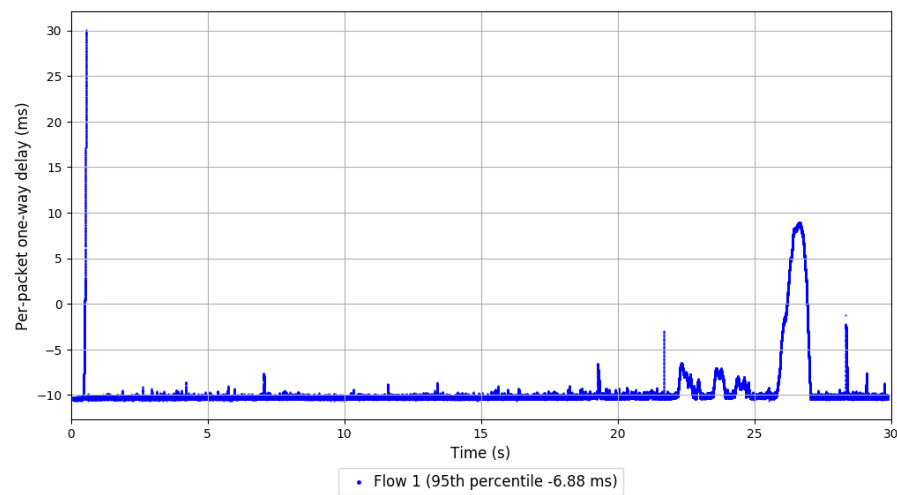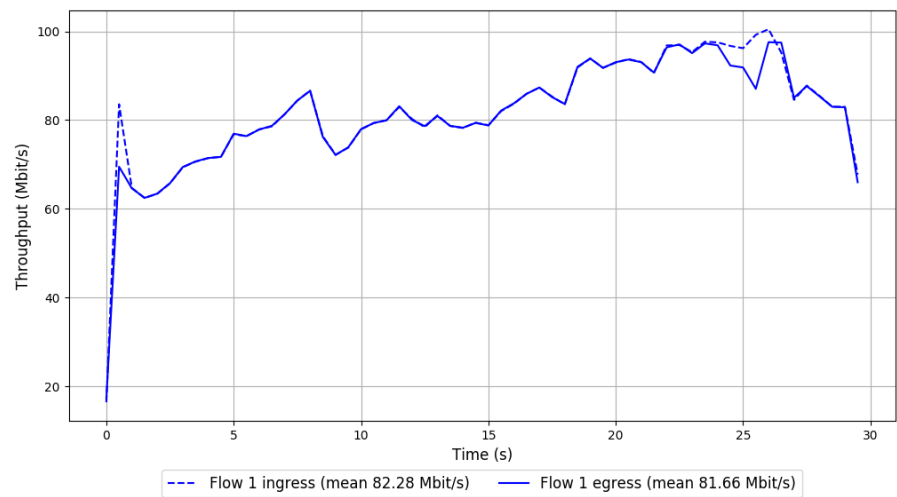
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 65.61 Mbit/s)   Flow 1 egress (mean 65.35 Mbit/s)

Flow 1 (95th percentile -9.95 ms)

```
Run 3: Statistics of PCC

Start at: 2017-11-21 07:52:00
End at: 2017-11-21 07:52:30
Local clock offset: 2.889 ms
Remote clock offset: -19.354 ms


# Below is generated by plot.py at 2017-11-21 13:03:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.05 Mbit/s
95th percentile per-packet one-way delay: -5.680 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 88.05 Mbit/s
95th percentile per-packet one-way delay: -5.680 ms
Loss rate: 0.32%
```
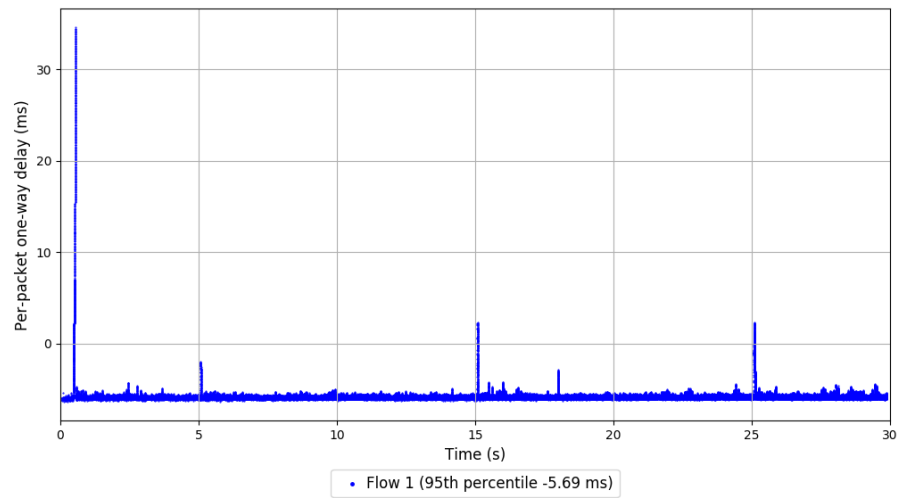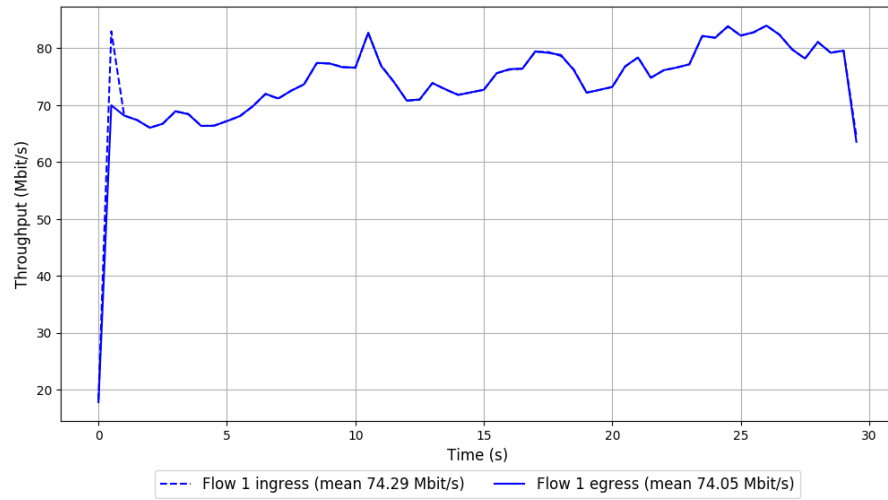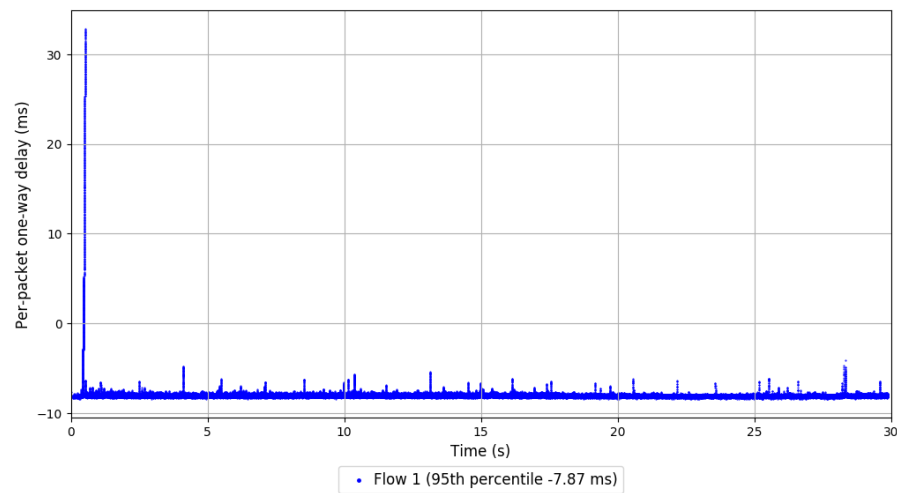
Run 3: Report of PCC — Data Link

```
Run 4: Statistics of PCC

Start at: 2017-11-21 08:12:03
End at: 2017-11-21 08:12:34
Local clock offset: 5.491 ms
Remote clock offset: -18.696 ms


# Below is generated by plot.py at 2017-11-21 13:03:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.66 Mbit/s
95th percentile per-packet one-way delay: -6.877 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 81.66 Mbit/s
95th percentile per-packet one-way delay: -6.877 ms
Loss rate: 0.76%
```

Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 82.28 Mbit/s) --- Flow 1 egress (mean 81.66 Mbit/s)
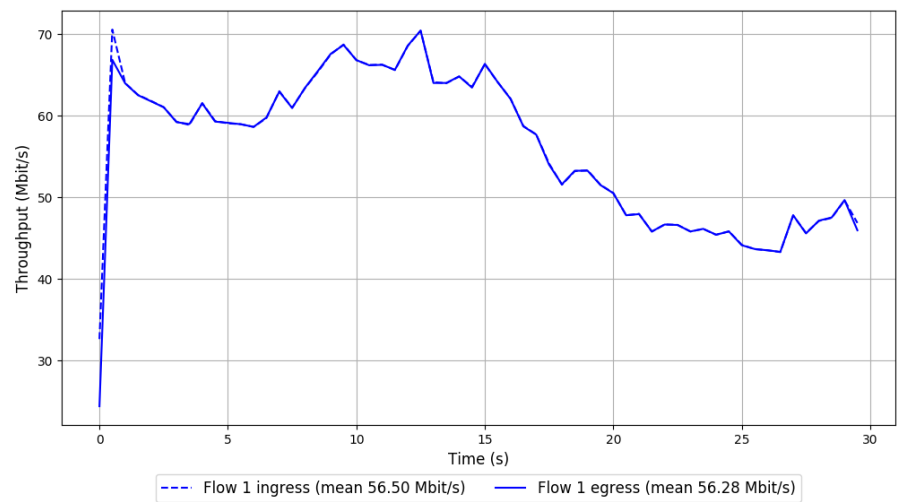

Flow 1 (95th percentile -6.88 ms)

```
Run 5: Statistics of PCC

Start at: 2017-11-21 08:46:10
End at: 2017-11-21 08:46:40
Local clock offset: 4.675 ms
Remote clock offset: -17.476 ms

# Below is generated by plot.py at 2017-11-21 13:03:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: -5.690 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 74.05 Mbit/s
95th percentile per-packet one-way delay: -5.690 ms
Loss rate: 0.32%
```
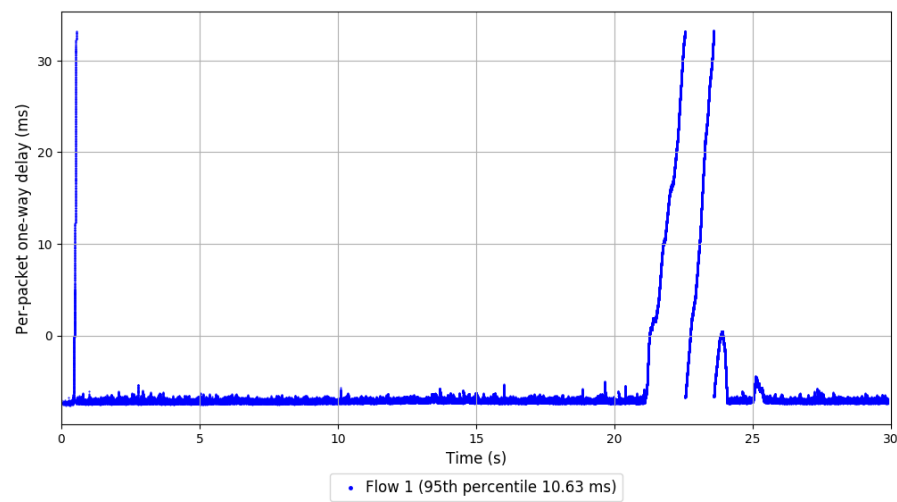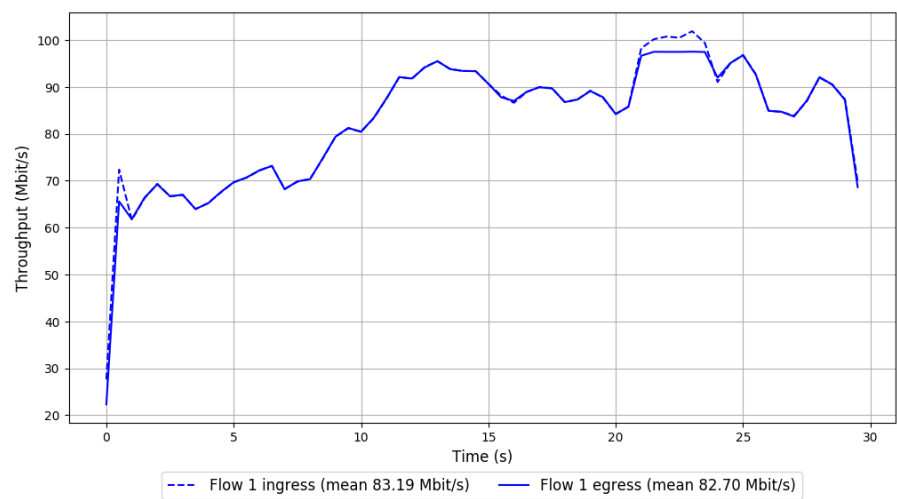
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 74.29 Mbit/s)   Flow 1 egress (mean 74.05 Mbit/s)

Flow 1 (95th percentile -5.69 ms)

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```
Run 6: Statistics of PCC

Start at: 2017-11-21 10:45:43
End at: 2017-11-21 10:46:13
Local clock offset: 5.206 ms
Remote clock offset: -13.504 ms


# Below is generated by plot.py at 2017-11-21 13:03:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.28 Mbit/s
95th percentile per-packet one-way delay: -7.869 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 56.28 Mbit/s
95th percentile per-packet one-way delay: -7.869 ms
Loss rate: 0.39%
```
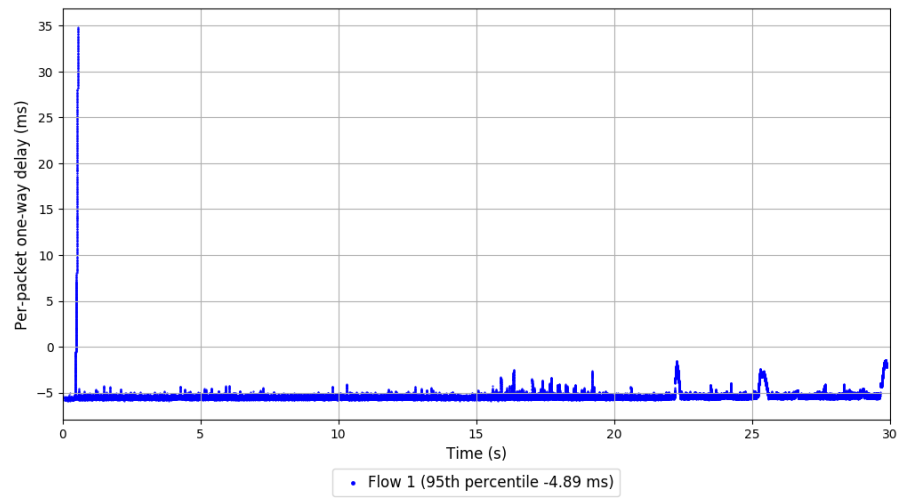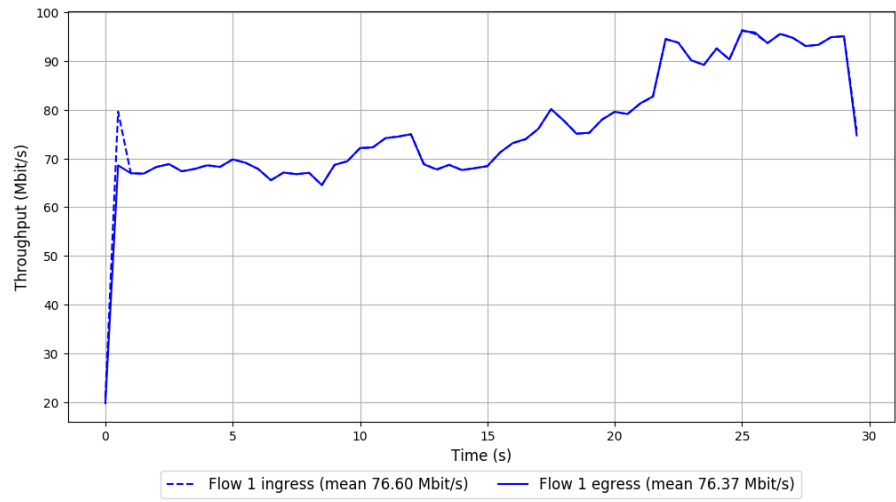
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 56.50 Mbit/s)   Flow 1 egress (mean 56.28 Mbit/s)

Flow 1 (95th percentile -7.87 ms)

```
Run 7: Statistics of PCC

Start at: 2017-11-21 11:08:15
End at: 2017-11-21 11:08:45
Local clock offset: 2.816 ms
Remote clock offset: -13.606 ms


# Below is generated by plot.py at 2017-11-21 13:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 10.632 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 82.70 Mbit/s
95th percentile per-packet one-way delay: 10.632 ms
Loss rate: 0.58%
```
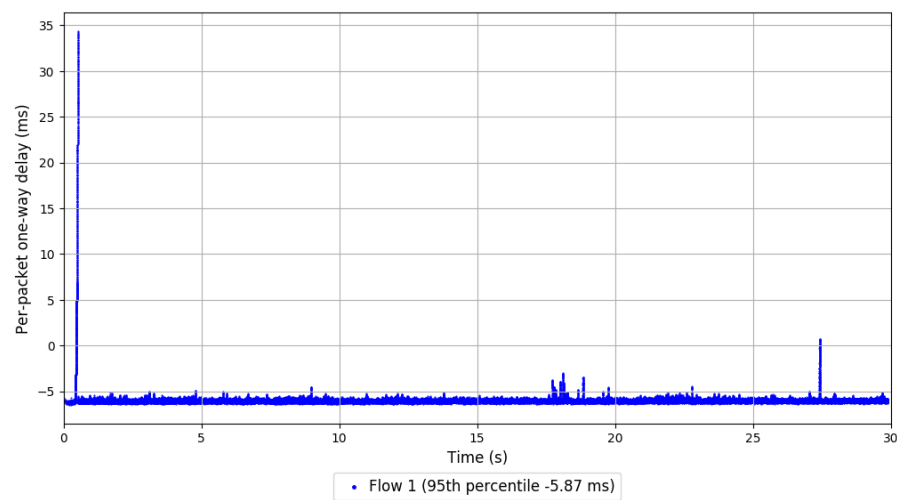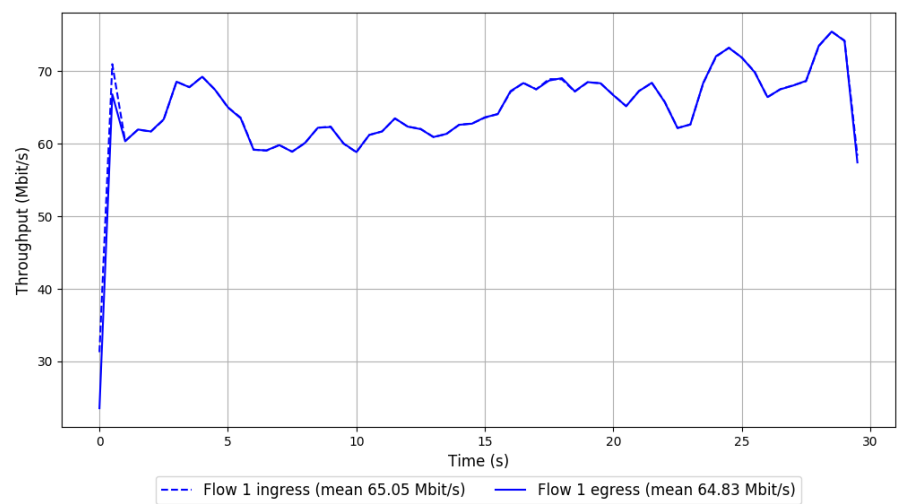
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 83.19 Mbit/s)   Flow 1 egress (mean 82.70 Mbit/s)

Flow 1 (95th percentile 10.63 ms)

```
Run 8: Statistics of PCC

Start at: 2017-11-21 11:39:48
End at: 2017-11-21 11:40:18
Local clock offset: -1.155 ms
Remote clock offset: -14.997 ms


# Below is generated by plot.py at 2017-11-21 13:04:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.37 Mbit/s
95th percentile per-packet one-way delay: -4.886 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 76.37 Mbit/s
95th percentile per-packet one-way delay: -4.886 ms
Loss rate: 0.28%
```
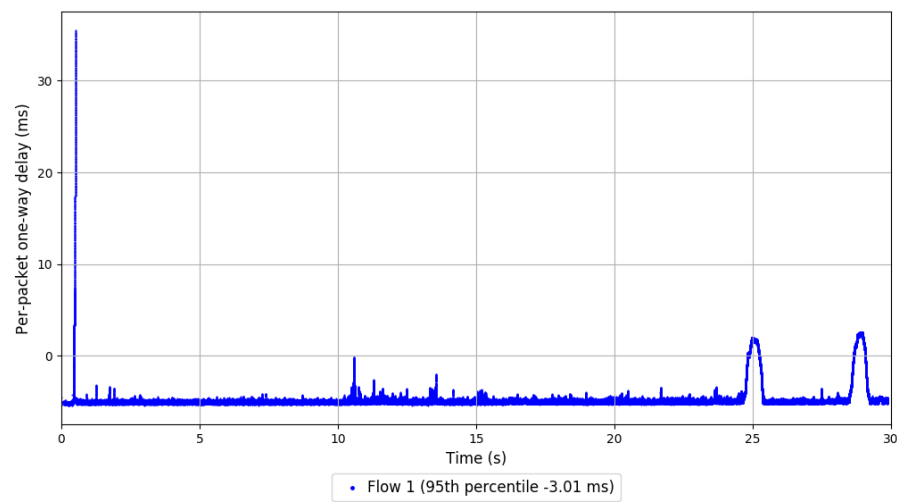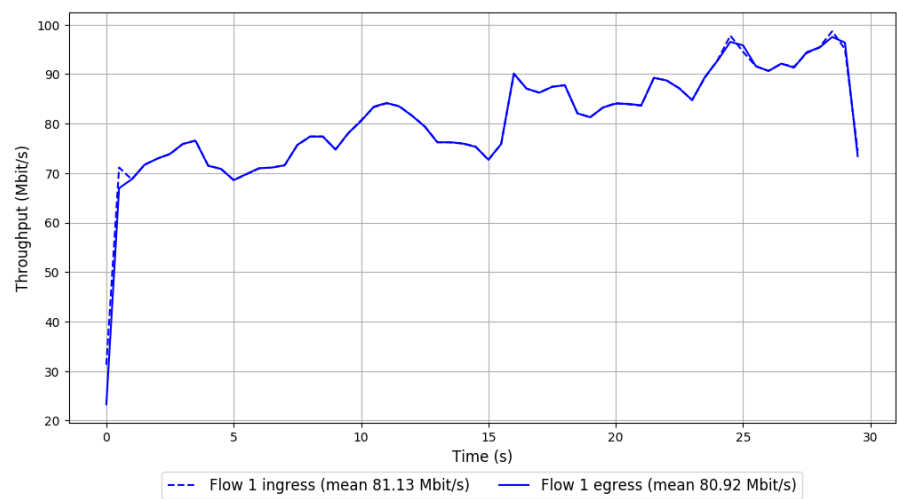
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 76.60 Mbit/s) ----   Flow 1 egress (mean 76.37 Mbit/s) ——

• Flow 1 (95th percentile -4.89 ms)

```
Run 9: Statistics of PCC

Start at: 2017-11-21 12:11:42
End at: 2017-11-21 12:12:12
Local clock offset: -0.36 ms
Remote clock offset: -15.251 ms


# Below is generated by plot.py at 2017-11-21 13:04:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: -5.872 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 64.83 Mbit/s
95th percentile per-packet one-way delay: -5.872 ms
Loss rate: 0.33%
```
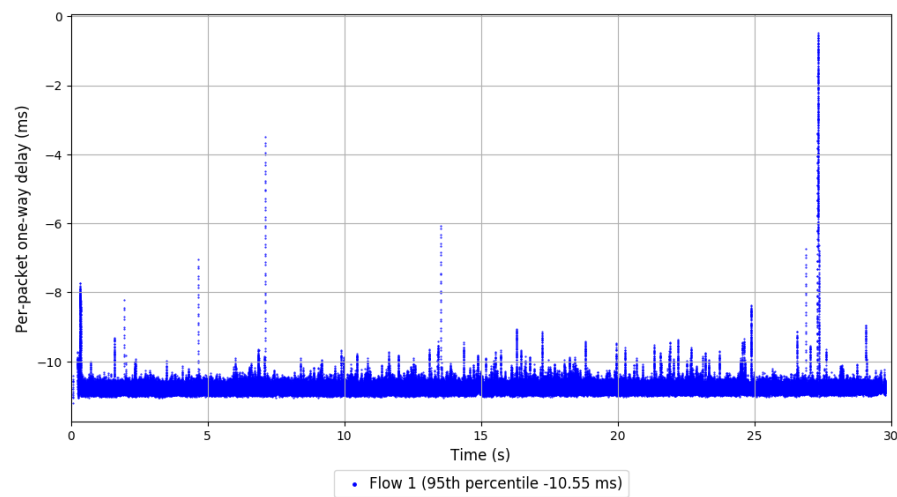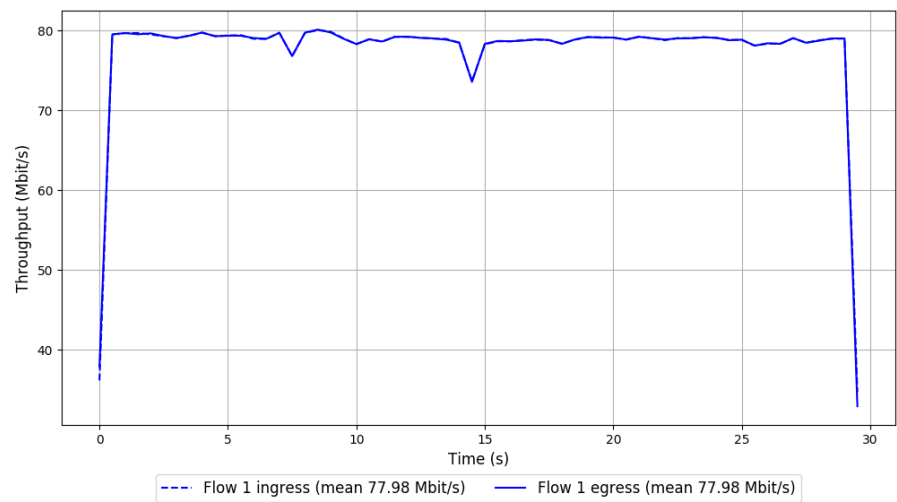
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 65.05 Mbit/s) — Flow 1 egress (mean 64.83 Mbit/s)

Flow 1 (95th percentile -5.87 ms)

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```
Run 10: Statistics of PCC

Start at: 2017-11-21 12:34:47
End at: 2017-11-21 12:35:17
Local clock offset: 0.174 ms
Remote clock offset: -13.954 ms


# Below is generated by plot.py at 2017-11-21 13:04:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.92 Mbit/s
95th percentile per-packet one-way delay: -3.006 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 80.92 Mbit/s
95th percentile per-packet one-way delay: -3.006 ms
Loss rate: 0.27%
```

Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 81.13 Mbit/s) — — — Flow 1 egress (mean 80.92 Mbit/s)
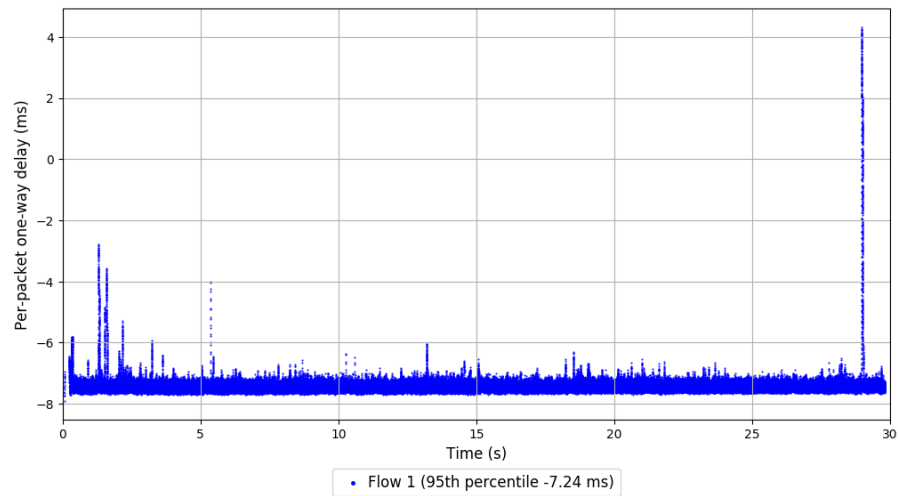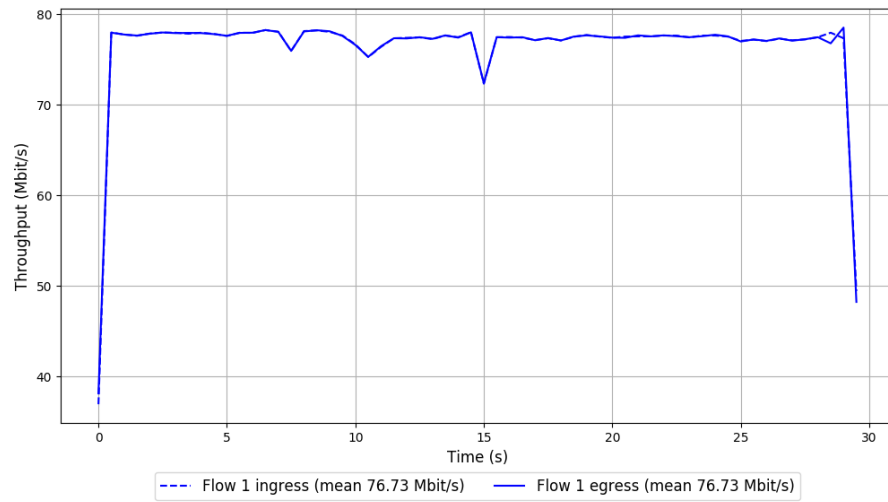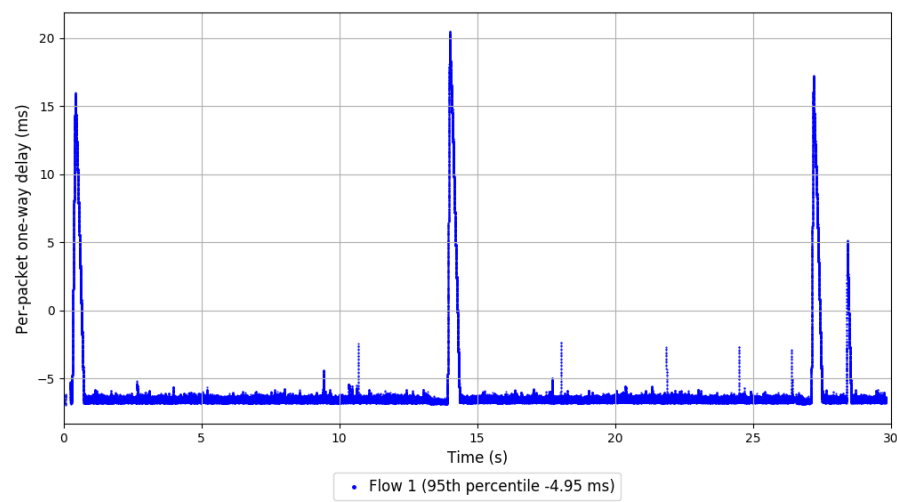

• Flow 1 (95th percentile -3.01 ms)

83

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-11-21 07:06:05
End at: 2017-11-21 07:06:35
Local clock offset: 0.886 ms
Remote clock offset: -20.1 ms


# Below is generated by plot.py at 2017-11-21 13:04:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: -10.547 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.98 Mbit/s
95th percentile per-packet one-way delay: -10.547 ms
Loss rate: 0.00%
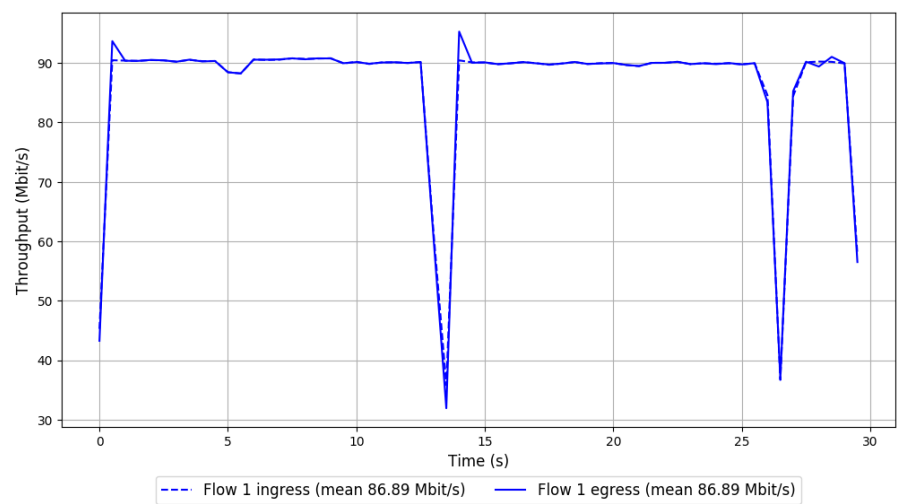```

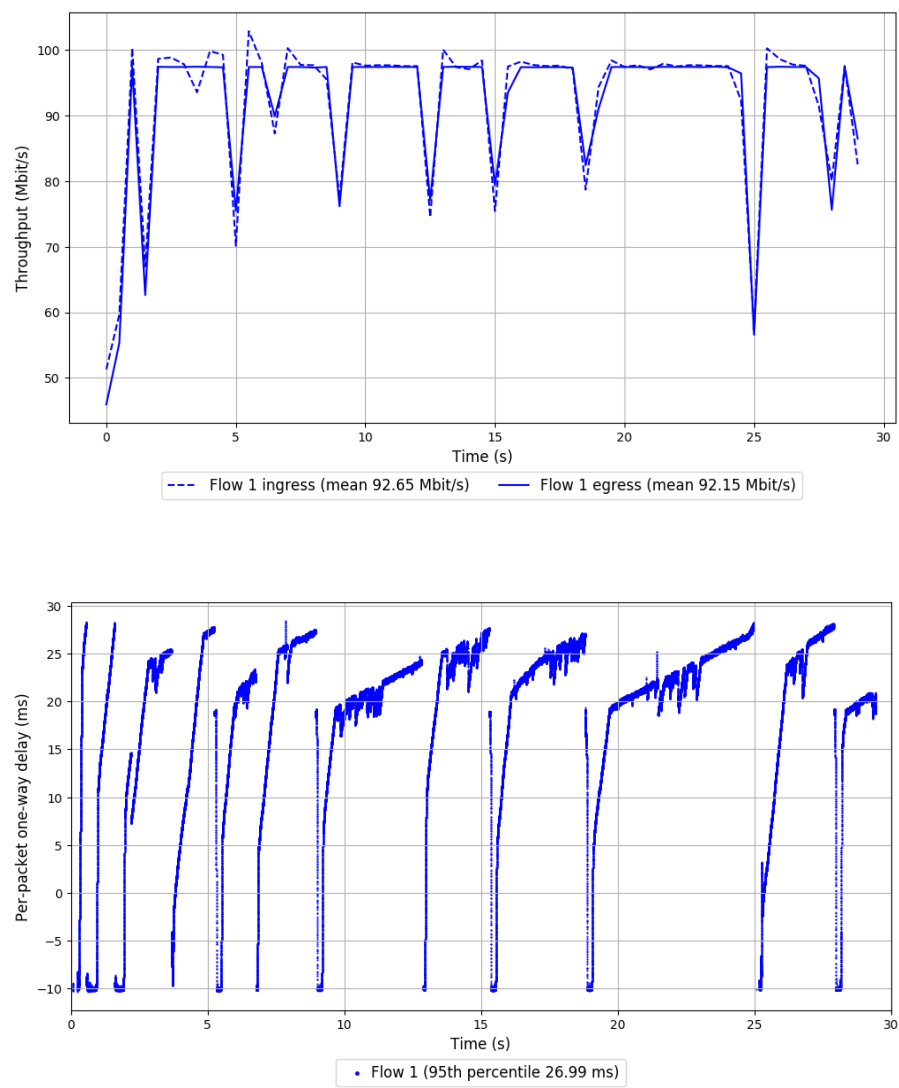Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2017-11-21 07:24:50
End at: 2017-11-21 07:25:20
Local clock offset: -0.633 ms
Remote clock offset: -19.242 ms


# Below is generated by plot.py at 2017-11-21 13:04:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.73 Mbit/s
95th percentile per-packet one-way delay: -7.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.73 Mbit/s
95th percentile per-packet one-way delay: -7.242 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 76.73 Mbit/s)   Flow 1 egress (mean 76.73 Mbit/s)

Flow 1 (95th percentile -7.24 ms)

```
Run 3: Statistics of QUIC Cubic

Start at: 2017-11-21 07:41:55
End at: 2017-11-21 07:42:25
Local clock offset: 0.792 ms
Remote clock offset: -17.813 ms


# Below is generated by plot.py at 2017-11-21 13:05:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: -4.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: -4.945 ms
Loss rate: 0.00%
```
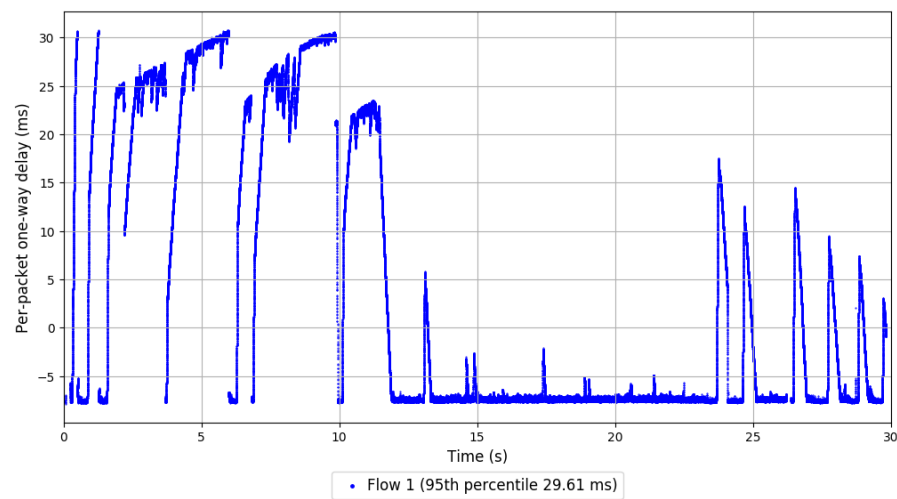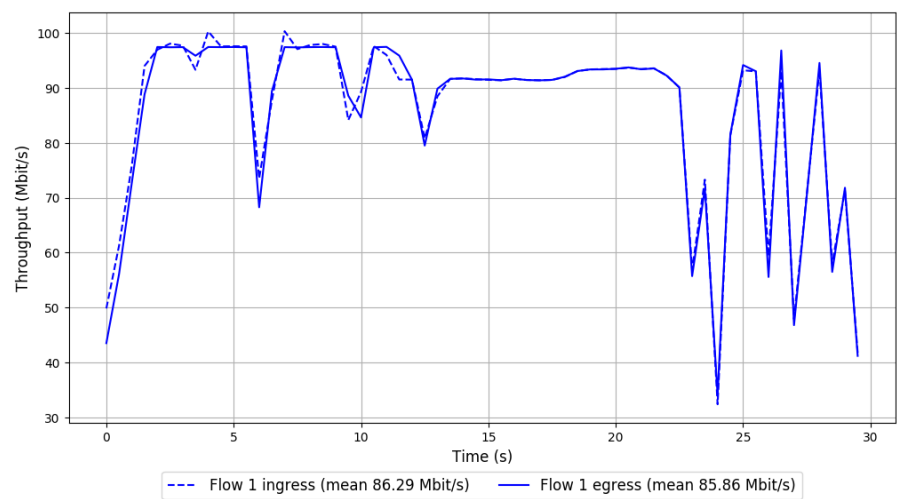
Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-11-21 08:02:07
End at: 2017-11-21 08:02:37
Local clock offset: 4.281 ms
Remote clock offset: -18.908 ms


# Below is generated by plot.py at 2017-11-21 13:05:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 26.992 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 92.15 Mbit/s
95th percentile per-packet one-way delay: 26.992 ms
Loss rate: 0.45%
```
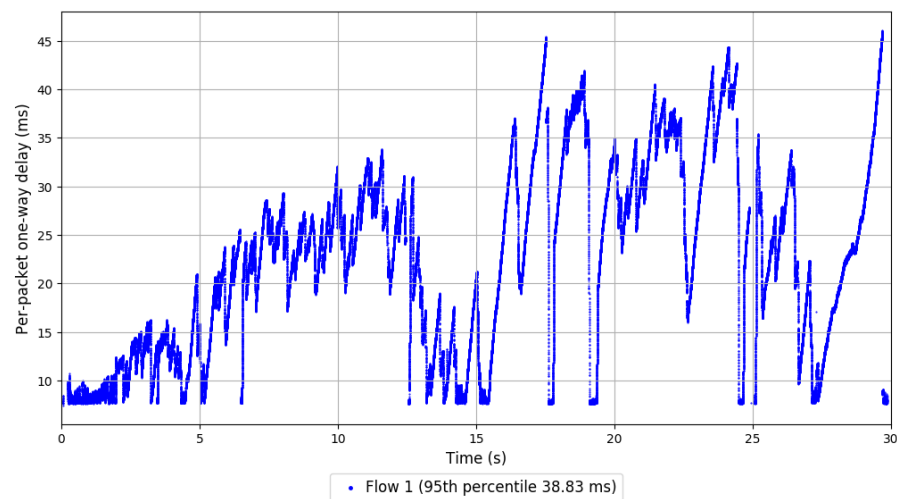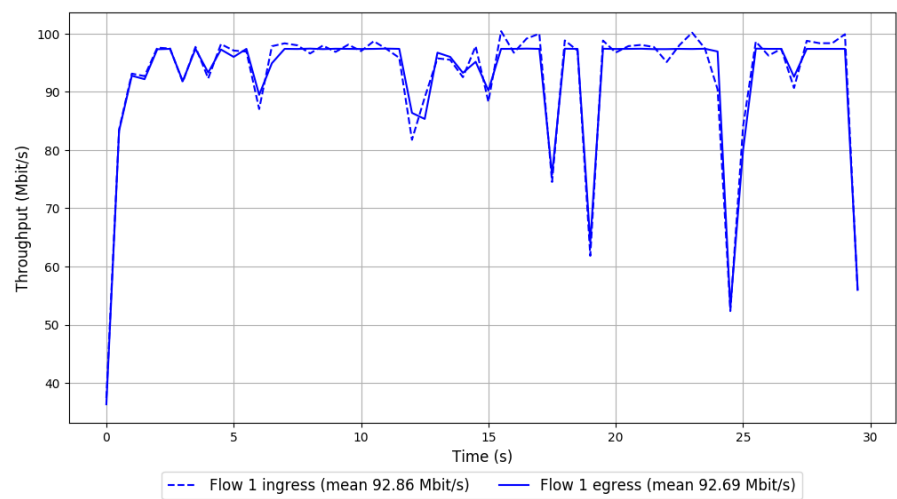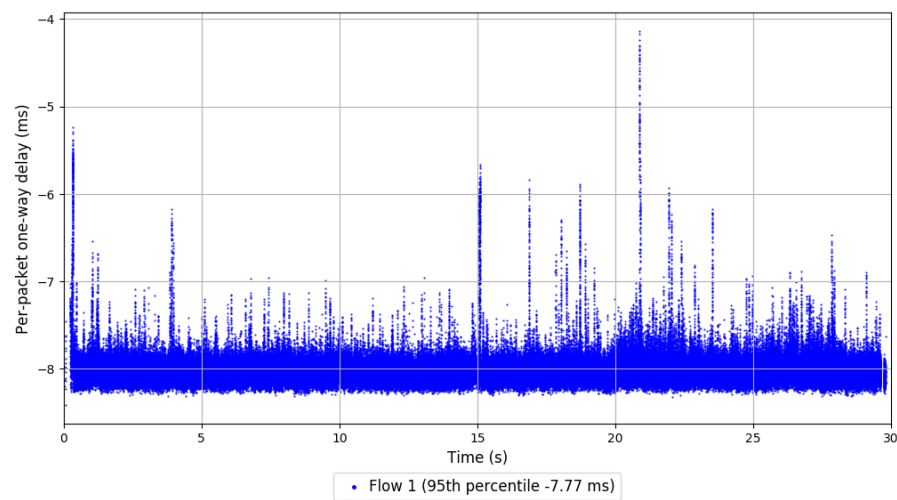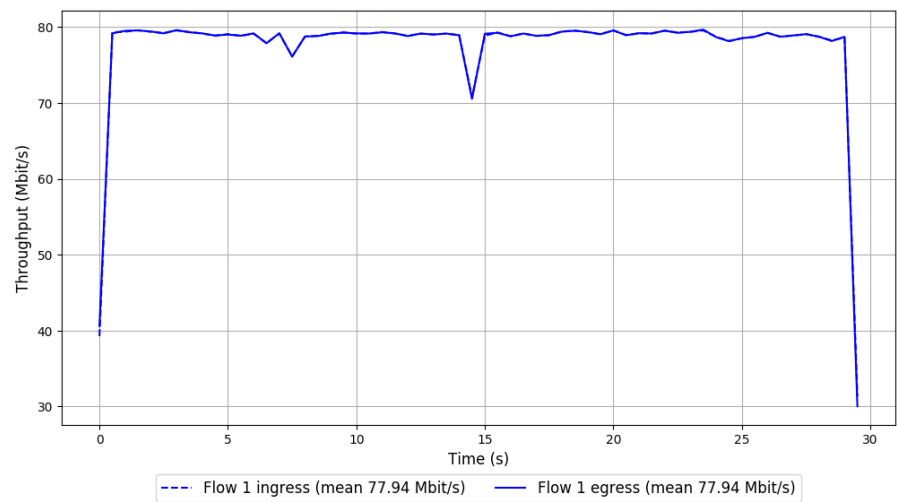
Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: 2017-11-21 08:25:39
End at: 2017-11-21 08:26:09
Local clock offset: 2.815 ms
Remote clock offset: -19.6 ms


# Below is generated by plot.py at 2017-11-21 13:06:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.86 Mbit/s
95th percentile per-packet one-way delay: 29.606 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 85.86 Mbit/s
95th percentile per-packet one-way delay: 29.606 ms
Loss rate: 0.47%
```

Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 86.29 Mbit/s) — — — Flow 1 egress (mean 85.86 Mbit/s)
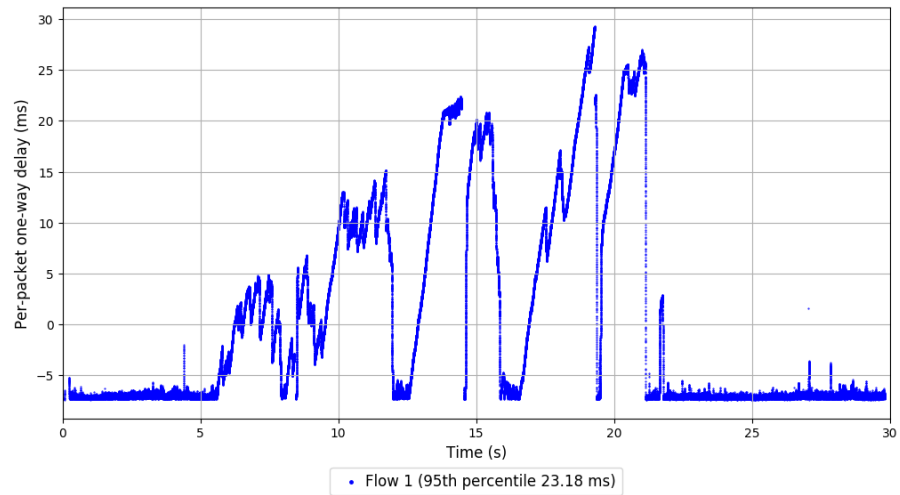

Flow 1 (95th percentile 29.61 ms)

```
Run 6: Statistics of QUIC Cubic

Start at: 2017-11-21 10:12:34
End at: 2017-11-21 10:13:04
Local clock offset: 4.496 ms
Remote clock offset: 1.883 ms


# Below is generated by plot.py at 2017-11-21 13:06:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 38.832 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 92.69 Mbit/s
95th percentile per-packet one-way delay: 38.832 ms
Loss rate: 0.19%
```
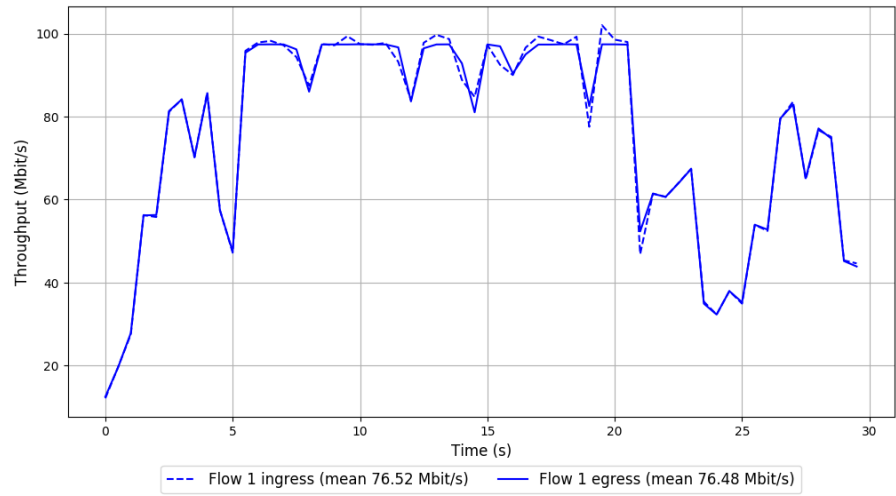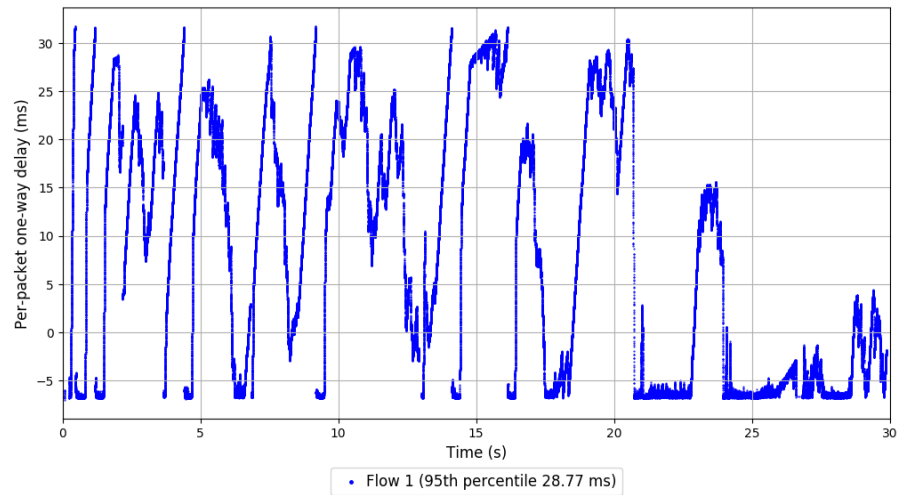
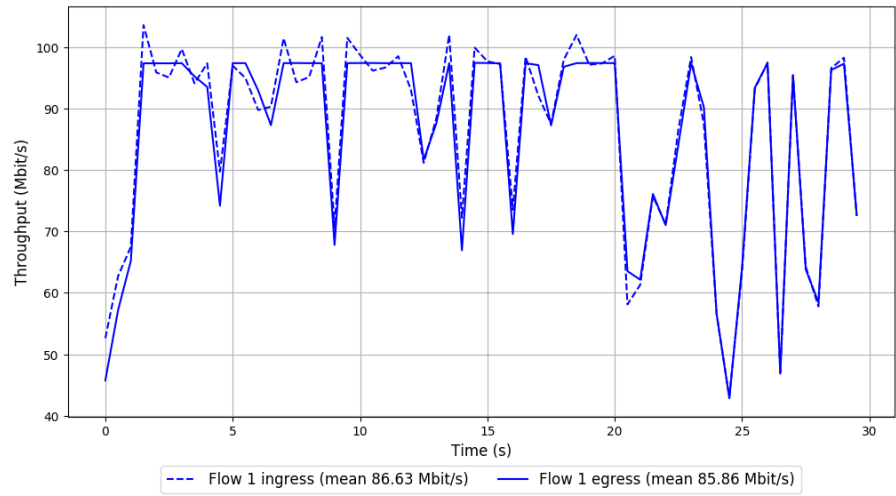Run 6: Report of QUIC Cubic — Data Link

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-11-21 10:57:02
End at: 2017-11-21 10:57:32
Local clock offset: 2.867 ms
Remote clock offset: -15.137 ms


# Below is generated by plot.py at 2017-11-21 13:06:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: -7.767 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: -7.767 ms
Loss rate: 0.00%
```

Run 7: Report of QUIC Cubic — Data Link

```
Run 8: Statistics of QUIC Cubic

Start at: 2017-11-21 11:19:01
End at: 2017-11-21 11:19:31
Local clock offset: 1.188 ms
Remote clock offset: -14.453 ms


# Below is generated by plot.py at 2017-11-21 13:06:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.48 Mbit/s
95th percentile per-packet one-way delay: 23.175 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 76.48 Mbit/s
95th percentile per-packet one-way delay: 23.175 ms
Loss rate: 0.05%
```
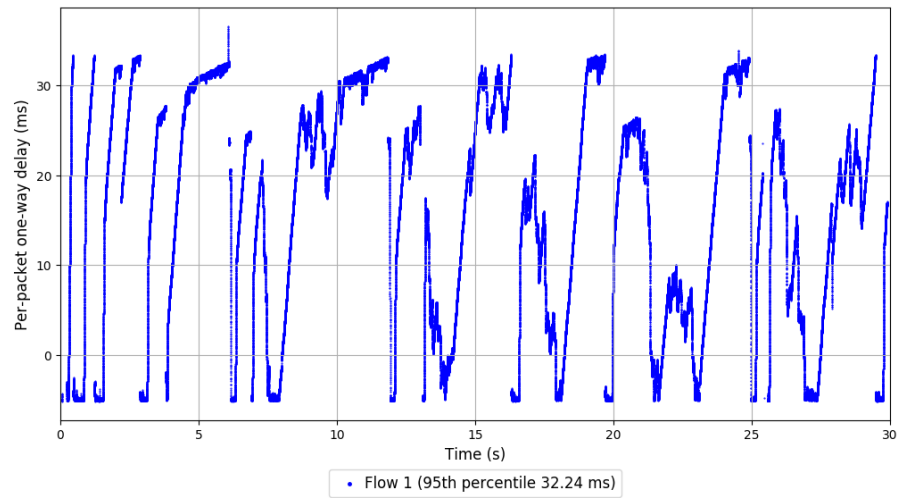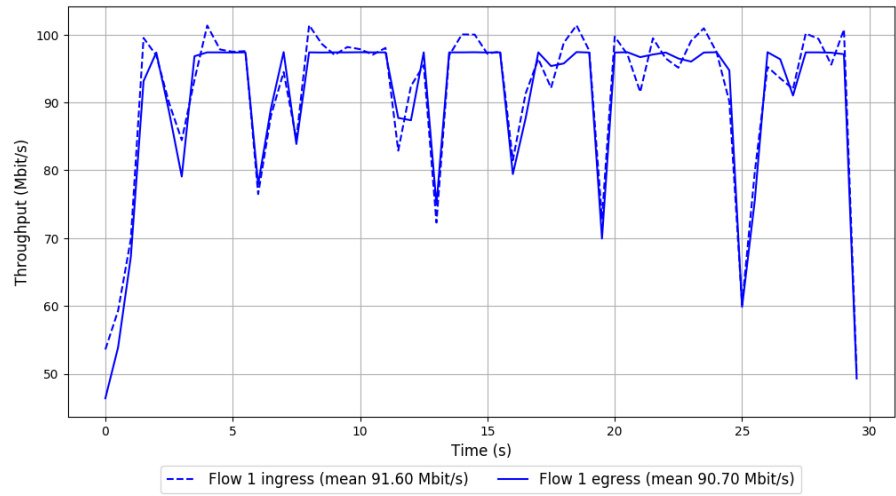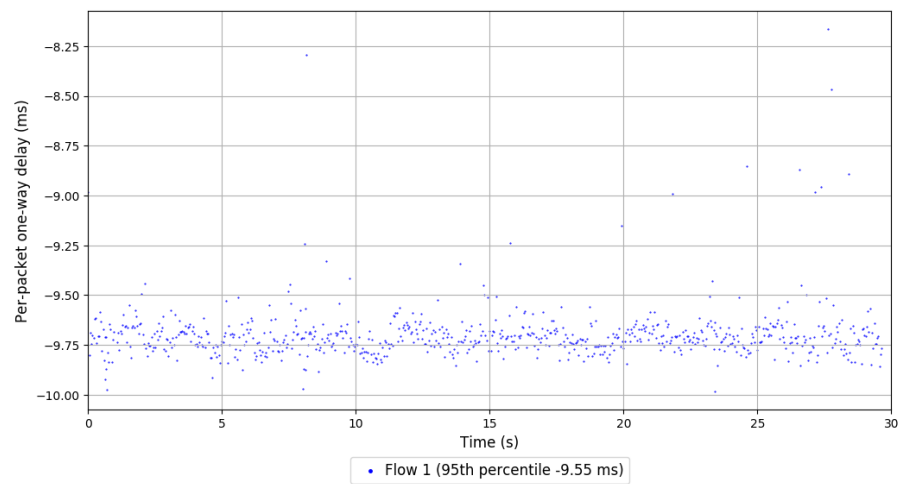
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 76.52 Mbit/s) --- Flow 1 egress (mean 76.48 Mbit/s)

Flow 1 (95th percentile 23.18 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-11-21 12:00:37
End at: 2017-11-21 12:01:07
Local clock offset: 0.54 ms
Remote clock offset: -14.696 ms


# Below is generated by plot.py at 2017-11-21 13:06:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.86 Mbit/s
95th percentile per-packet one-way delay: 28.772 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 85.86 Mbit/s
95th percentile per-packet one-way delay: 28.772 ms
Loss rate: 0.87%
```
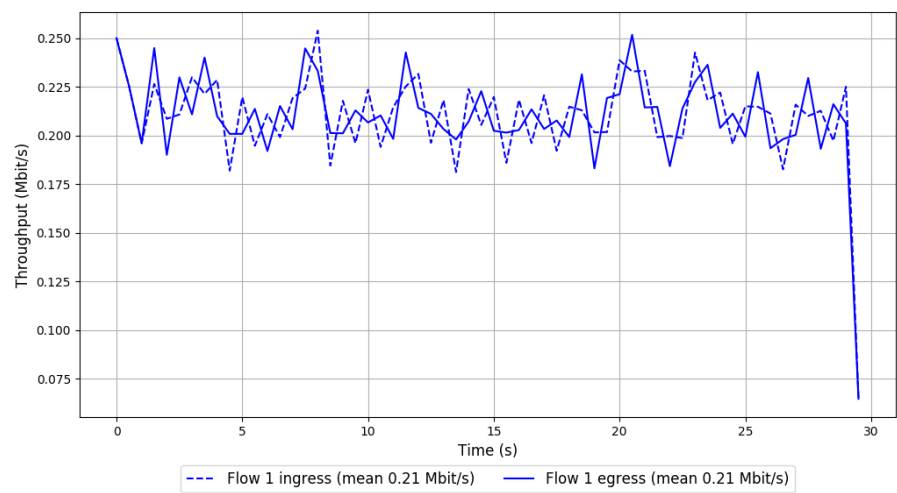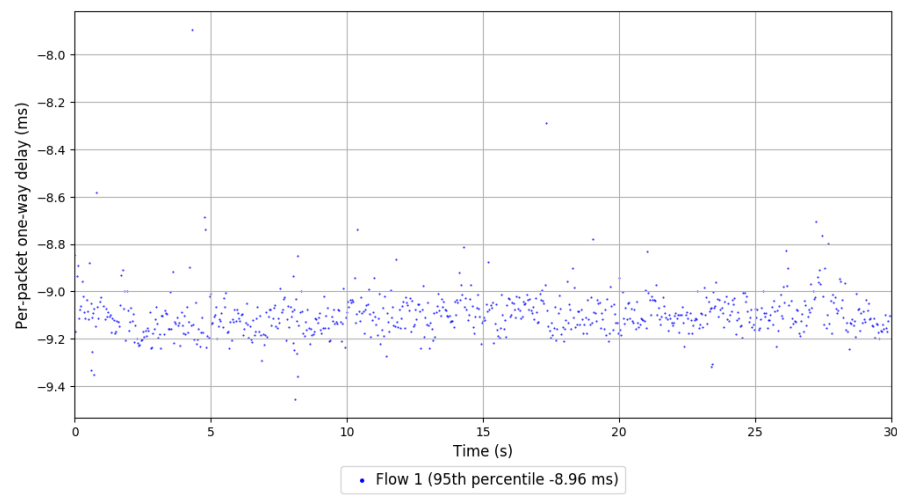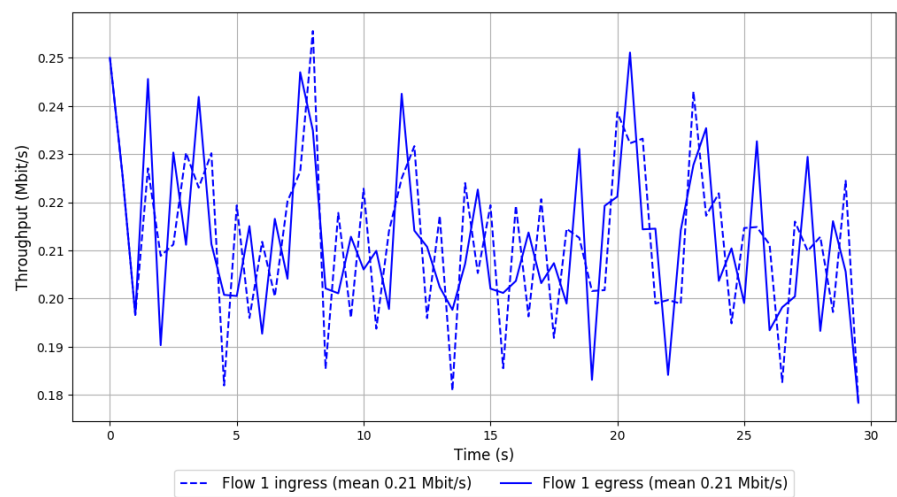
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 86.63 Mbit/s) --- Flow 1 egress (mean 85.86 Mbit/s)

Flow 1 (95th percentile 28.77 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-11-21 12:23:19
End at: 2017-11-21 12:23:49
Local clock offset: -0.371 ms
Remote clock offset: -14.258 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.70 Mbit/s
95th percentile per-packet one-way delay: 32.238 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 90.70 Mbit/s
95th percentile per-packet one-way delay: 32.238 ms
Loss rate: 0.91%
```

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 91.60 Mbit/s) ----   Flow 1 egress (mean 90.70 Mbit/s) ——
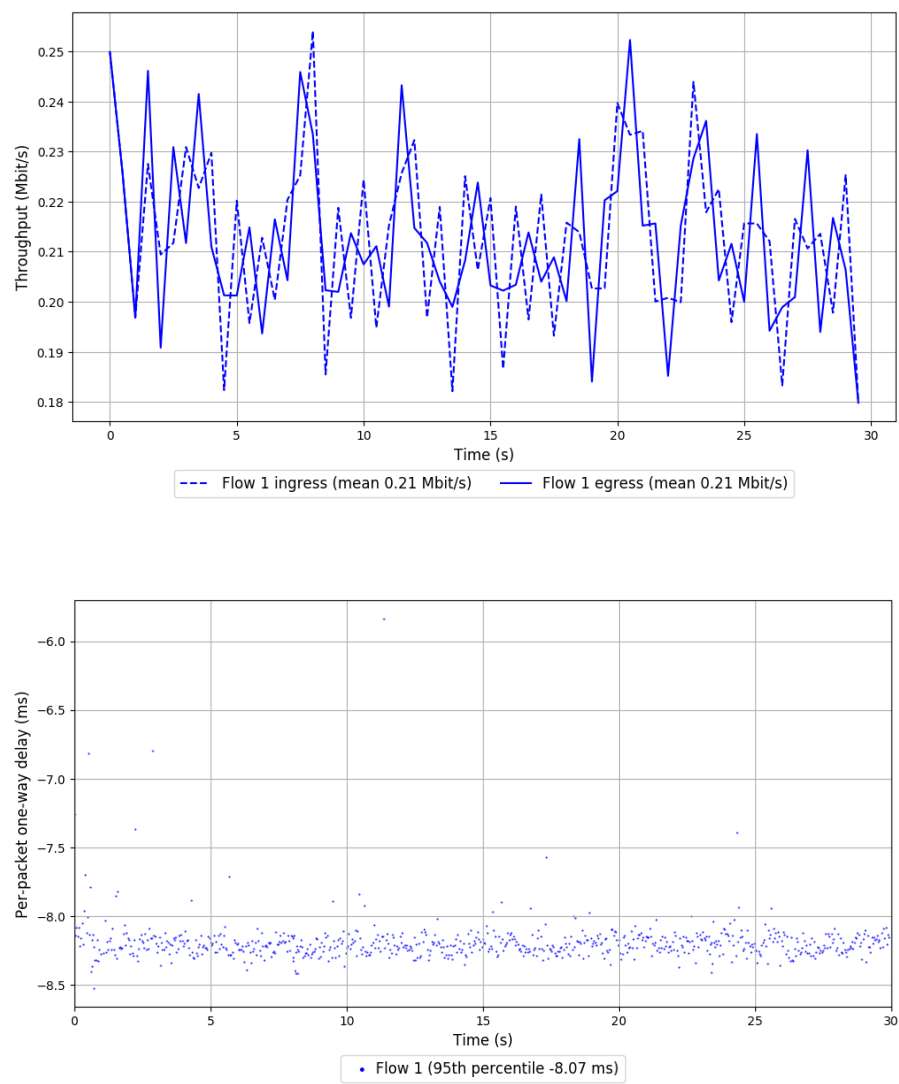

• Flow 1 (95th percentile 32.24 ms)

```
Run 1: Statistics of SCReAM

Start at: 2017-11-21 07:14:14
End at: 2017-11-21 07:14:44
Local clock offset: 2.255 ms
Remote clock offset: -17.795 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.548 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -9.548 ms
Loss rate: 0.00%
```
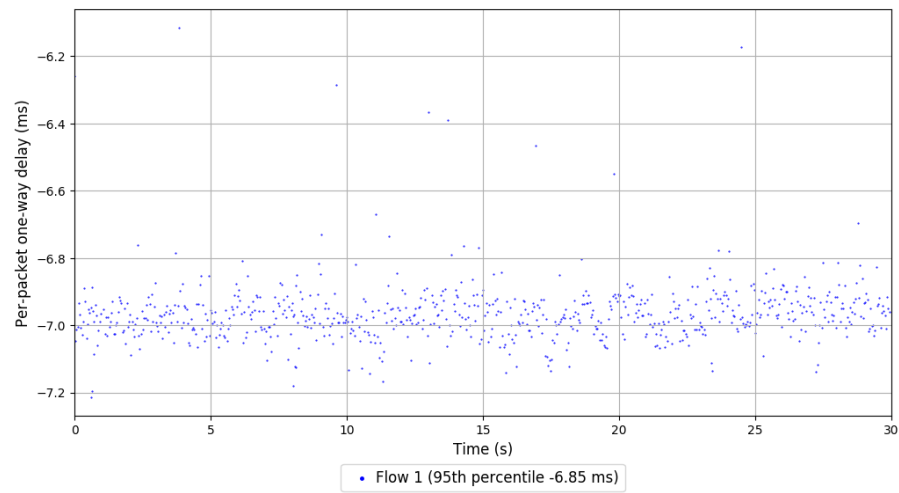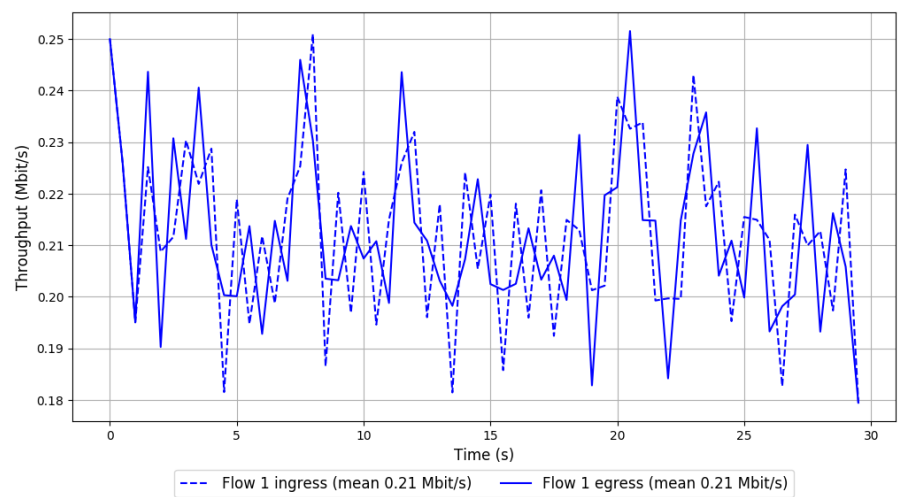
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2017-11-21 07:31:56
End at: 2017-11-21 07:32:26
Local clock offset: 2.364 ms
Remote clock offset: -18.411 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.960 ms
Loss rate: 0.00%
```
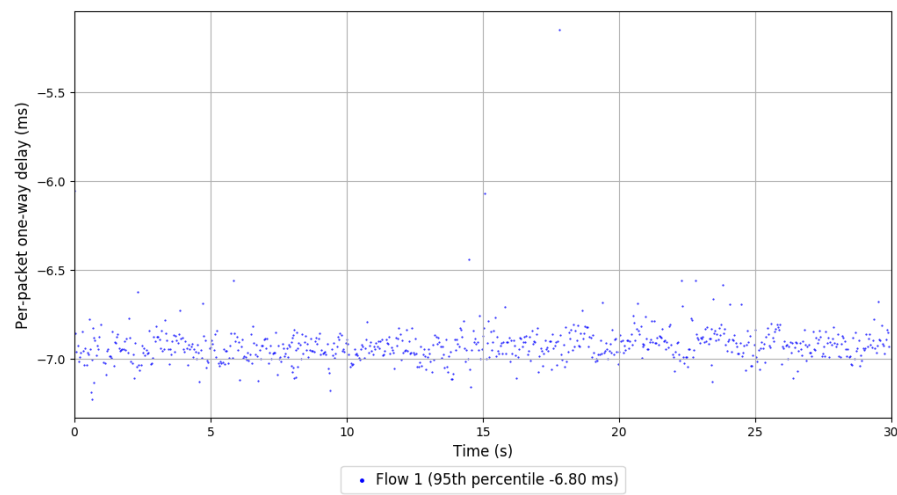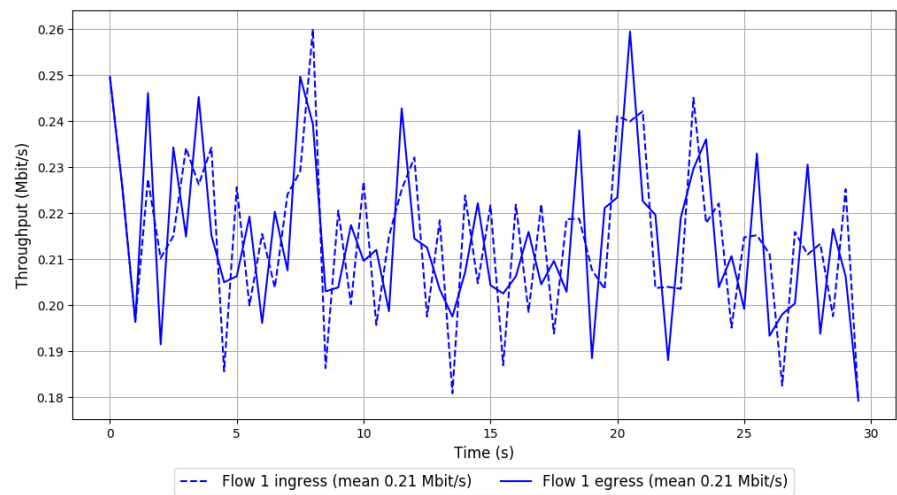
Run 2: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.21 Mbit/s)   Flow 1 egress (mean 0.21 Mbit/s)

Flow 1 (95th percentile -8.96 ms)

```
Run 3: Statistics of SCReAM

Start at: 2017-11-21 07:50:55
End at: 2017-11-21 07:51:25
Local clock offset: 1.019 ms
Remote clock offset: -19.666 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.072 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -8.072 ms
Loss rate: 0.00%
```
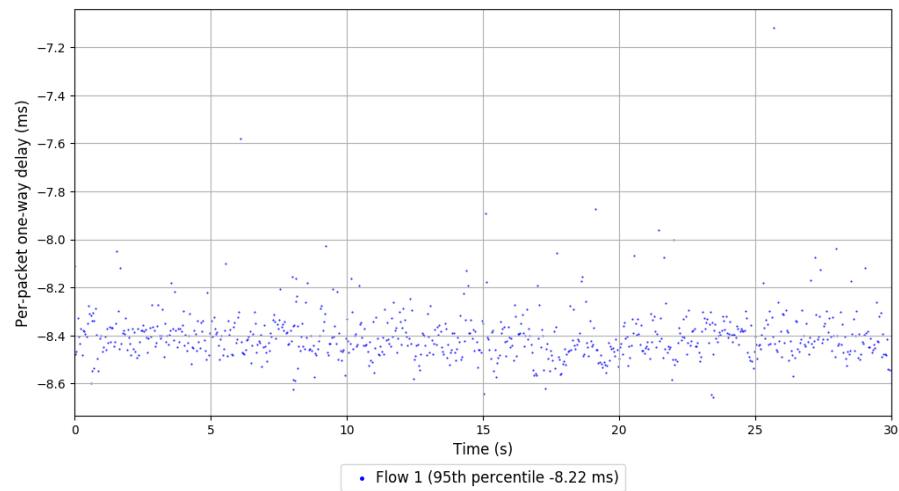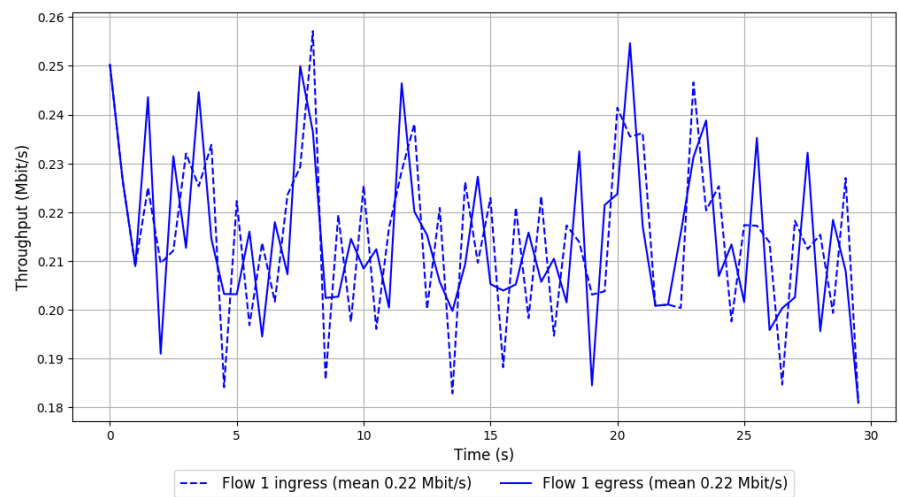
Run 3: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.21 Mbit/s) --- Flow 1 egress (mean 0.21 Mbit/s)

Flow 1 (95th percentile -8.07 ms)

```
Run 4: Statistics of SCReAM

Start at: 2017-11-21 08:10:55
End at: 2017-11-21 08:11:25
Local clock offset: 1.2 ms
Remote clock offset: -19.607 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.853 ms
Loss rate: 0.00%
```

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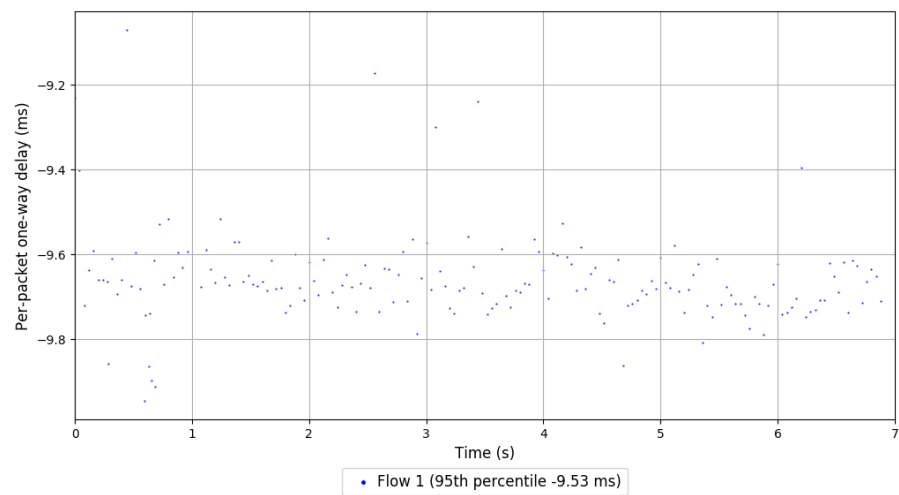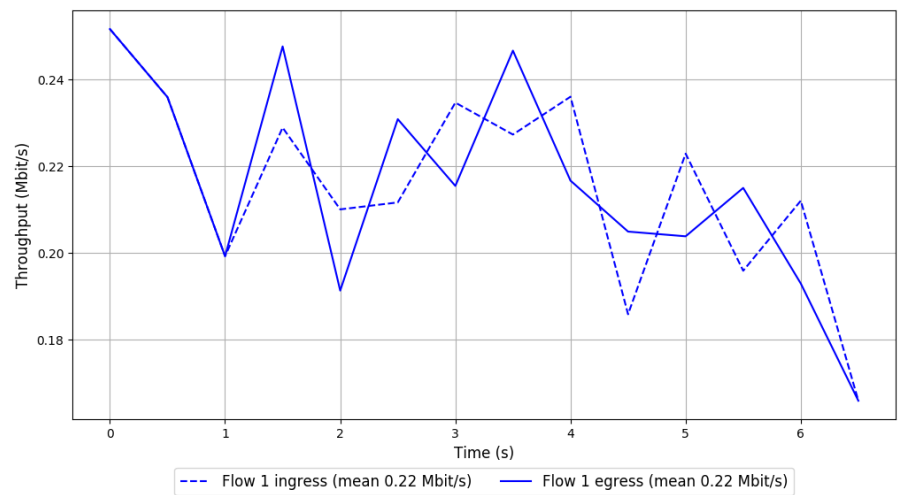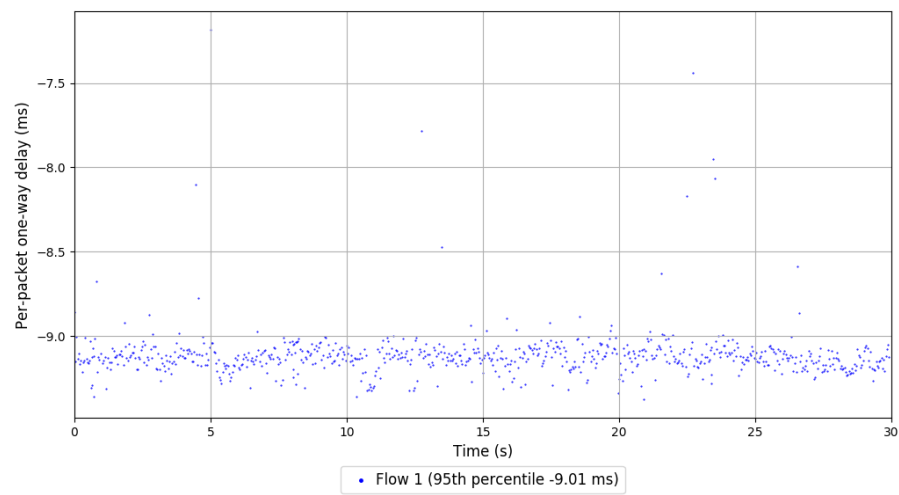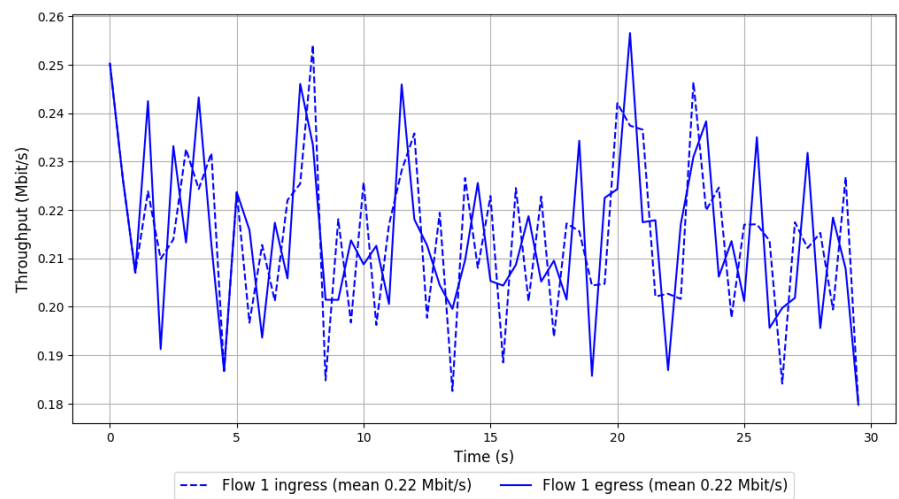
```
Run 5: Statistics of SCReAM

Start at: 2017-11-21 08:42:18
End at: 2017-11-21 08:42:48
Local clock offset: 3.692 ms
Remote clock offset: -19.204 ms

# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.803 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: -6.803 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

Flow 1 ingress (mean 0.21 Mbit/s) --- Flow 1 egress (mean 0.21 Mbit/s)

Flow 1 (95th percentile -6.80 ms)

```
Run 6: Statistics of SCReAM

Start at: 2017-11-21 10:44:37
End at: 2017-11-21 10:45:07
Local clock offset: 4.726 ms
Remote clock offset: -14.301 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -8.224 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -8.224 ms
Loss rate: 0.00%
```

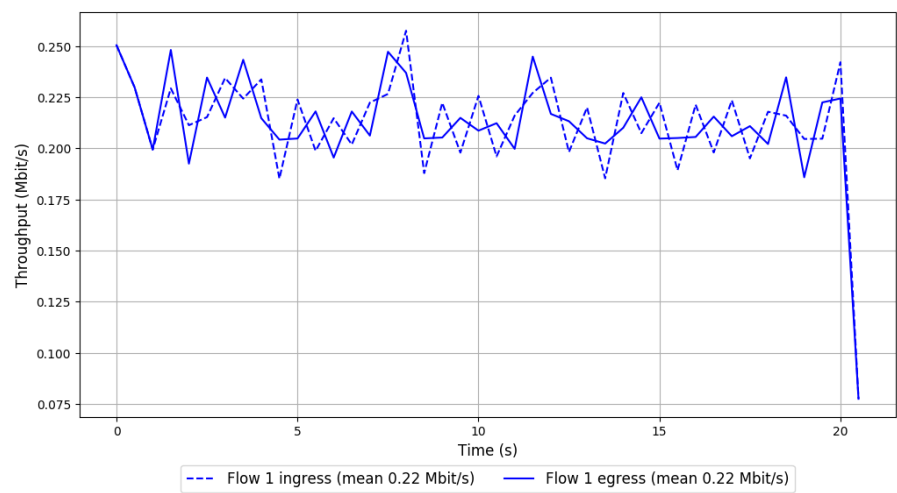# Run 6: Report of SCReAM — Data Link

```
Run 7: Statistics of SCReAM

Start at: 2017-11-21 11:07:05
End at: 2017-11-21 11:07:35
Local clock offset: 3.157 ms
Remote clock offset: -15.61 ms
```

Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2017-11-21 11:36:44
End at: 2017-11-21 11:37:14
Local clock offset: 2.196 ms
Remote clock offset: -15.129 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -9.006 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: -9.006 ms
Loss rate: 0.00%
```
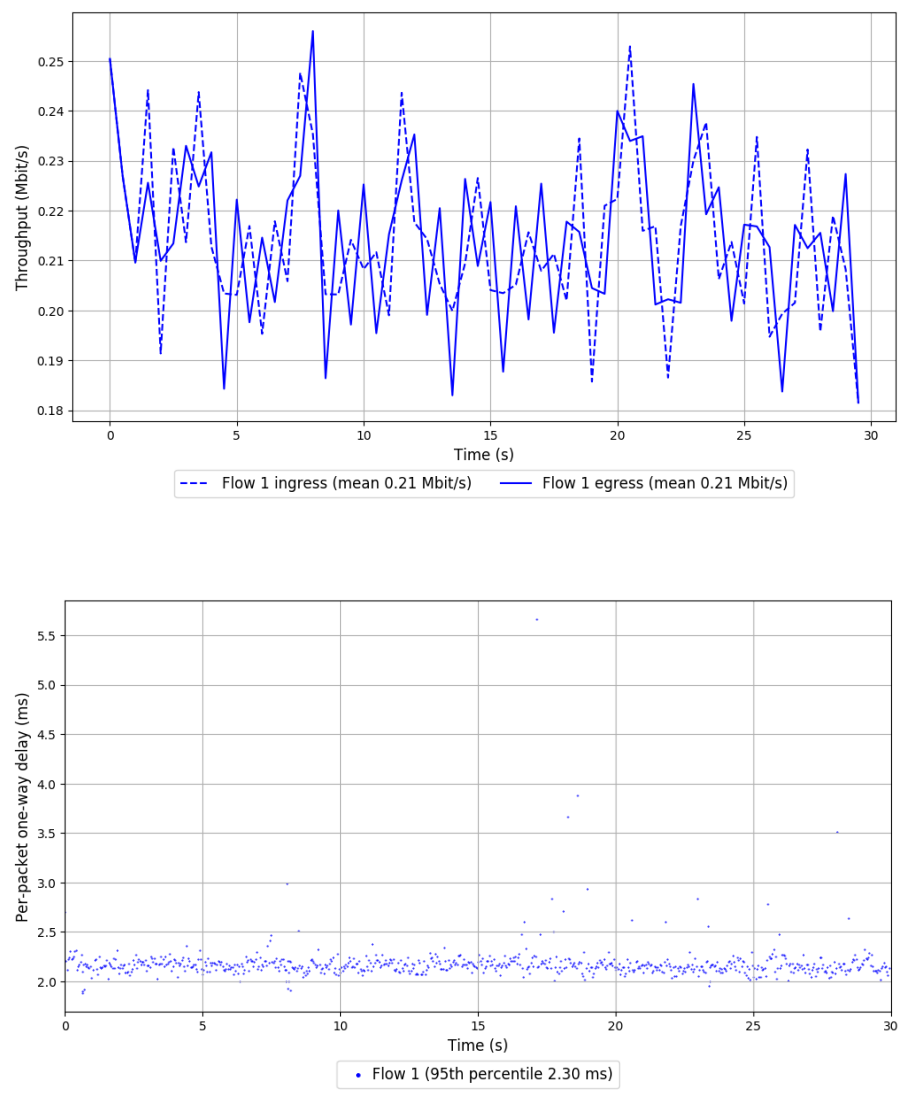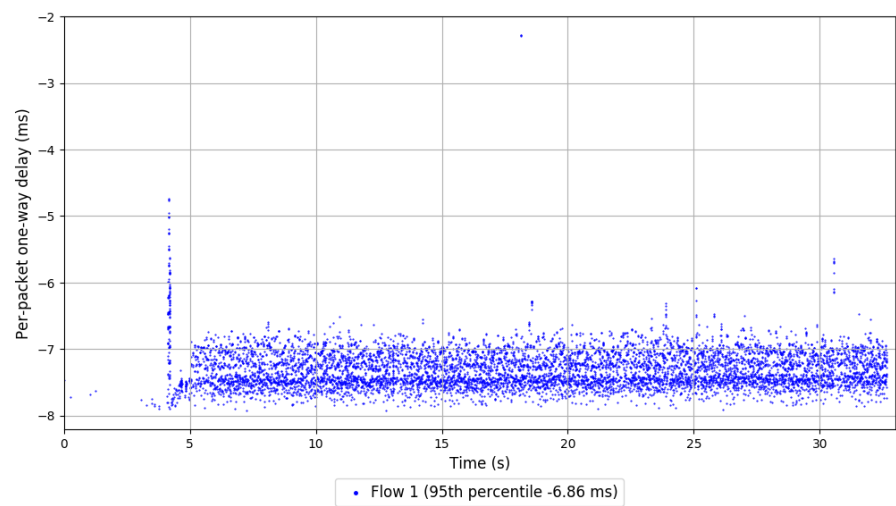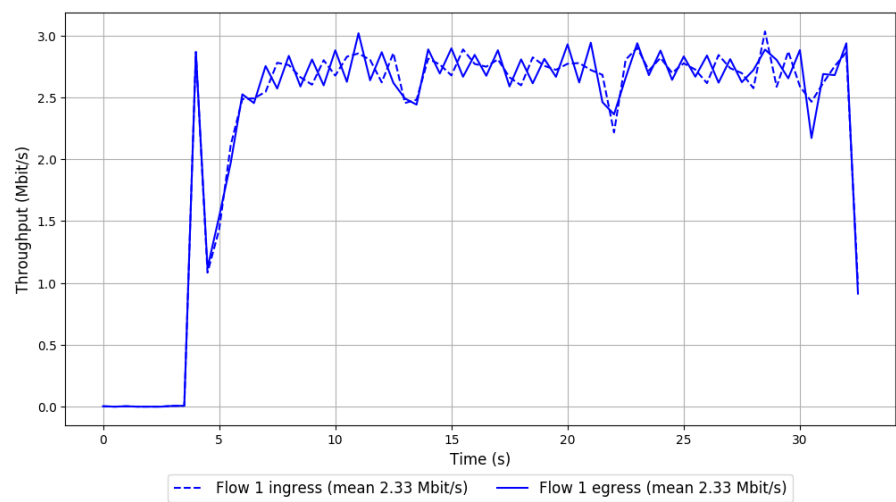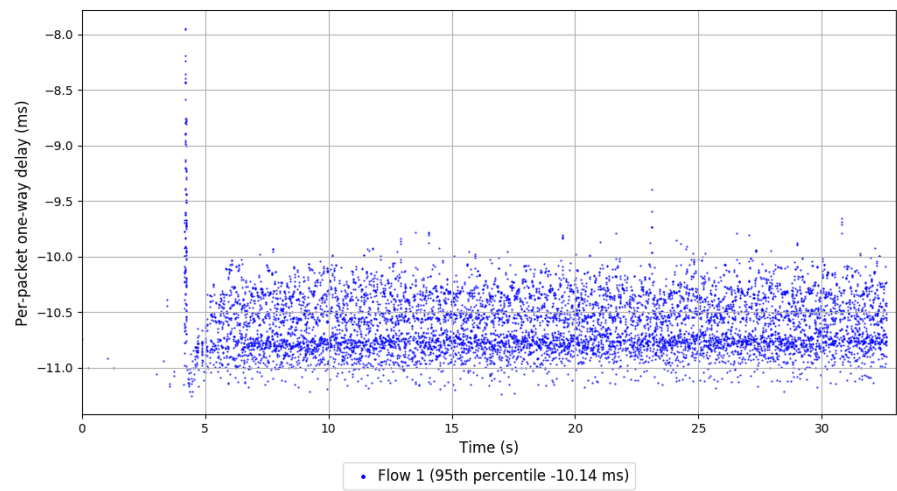
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: 2017-11-21 12:10:36
End at: 2017-11-21 12:11:06
Local clock offset: -0.421 ms
Remote clock offset: -15.646 ms
```

Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: 2017-11-21 12:33:40
End at: 2017-11-21 12:34:10
Local clock offset: -1.768 ms
Remote clock offset: -8.65 ms

# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 2.297 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 2.297 ms
Loss rate: 0.00%
```
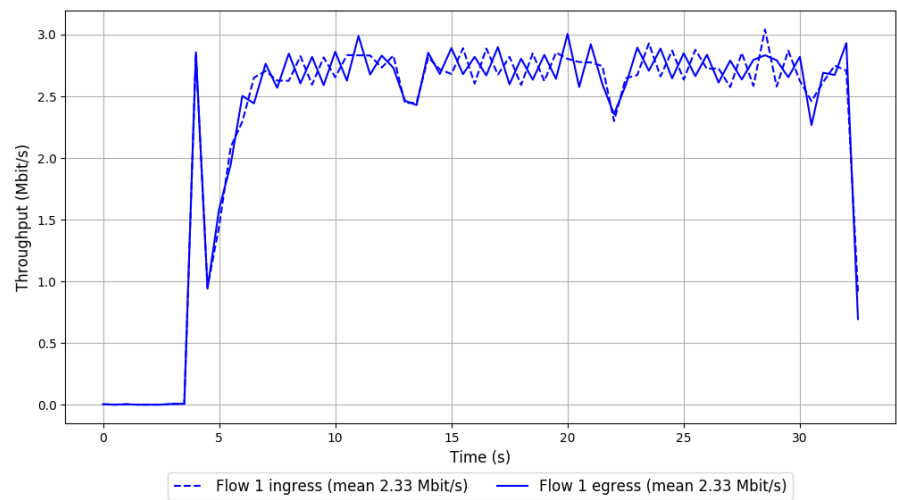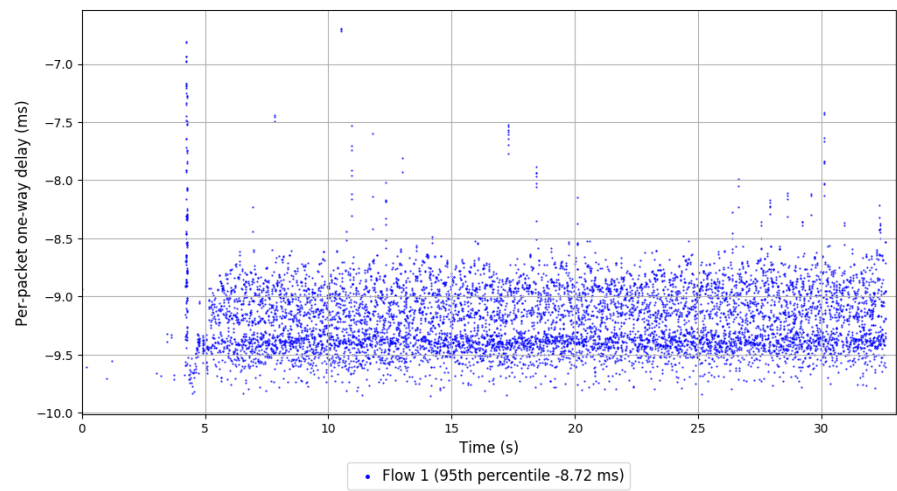
Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2017-11-21 07:04:59
End at: 2017-11-21 07:05:29
Local clock offset: -0.401 ms
Remote clock offset: -18.031 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -6.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -6.862 ms
Loss rate: 0.00%
```
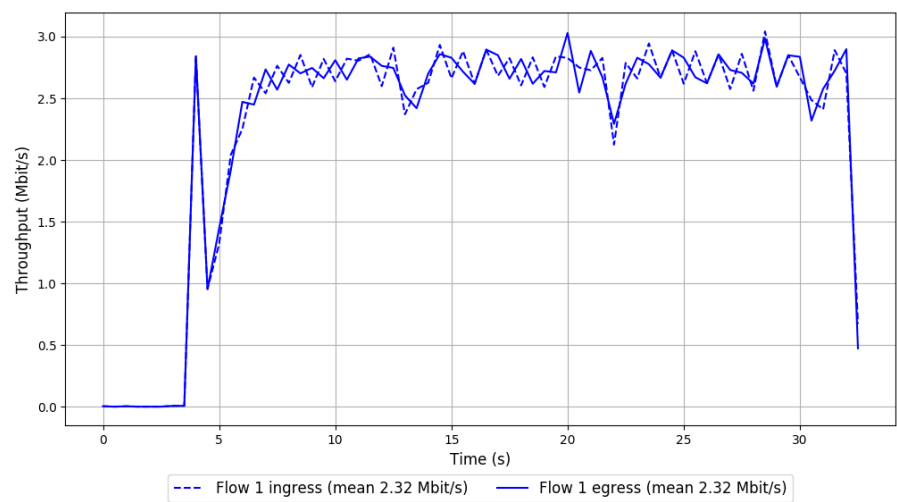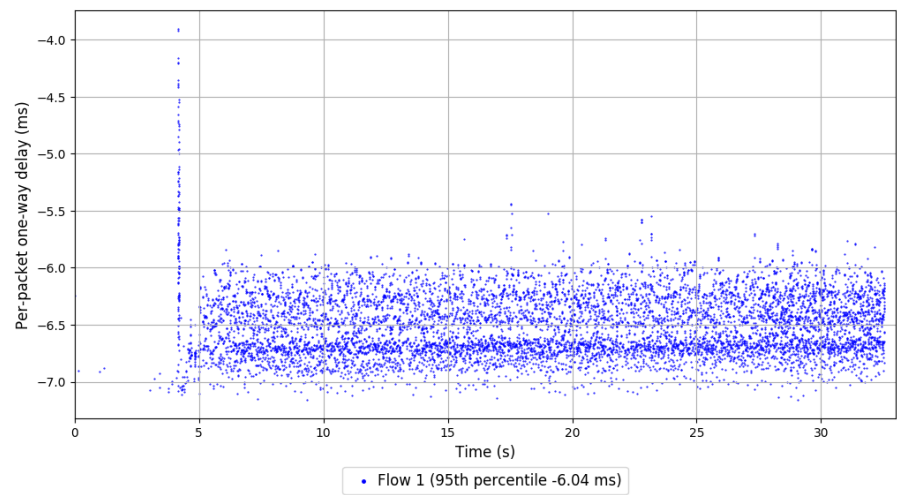
Run 1: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.33 Mbit/s) — — — Flow 1 egress (mean 2.33 Mbit/s)

Flow 1 (95th percentile -6.86 ms)

```
Run 2: Statistics of WebRTC media

Start at: 2017-11-21 07:23:44
End at: 2017-11-21 07:24:14
Local clock offset: 0.806 ms
Remote clock offset: -21.015 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -10.145 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -10.145 ms
Loss rate: 0.00%
```
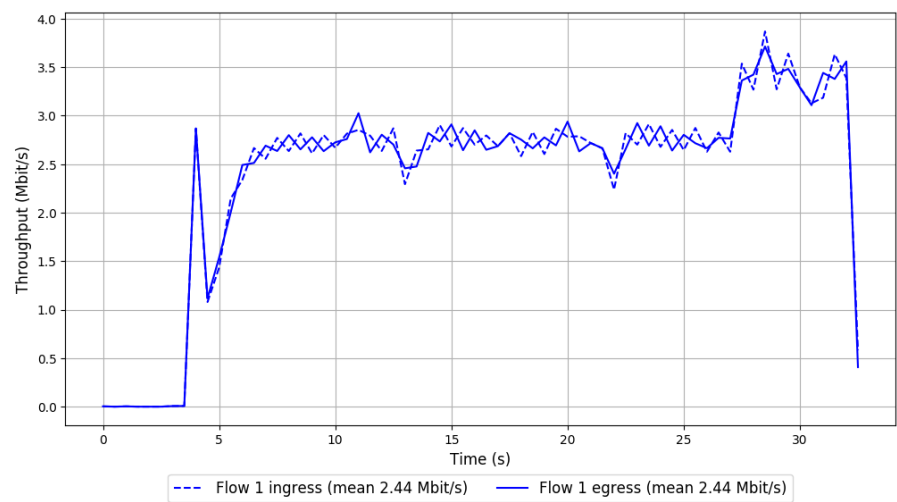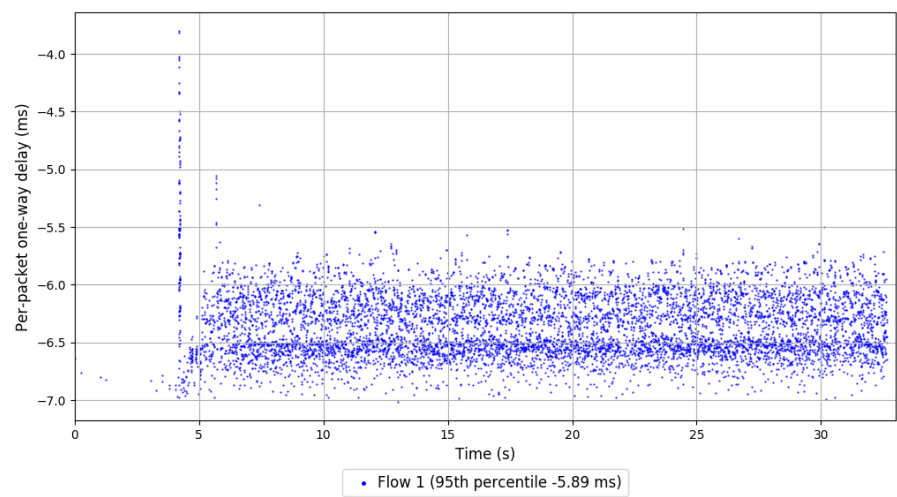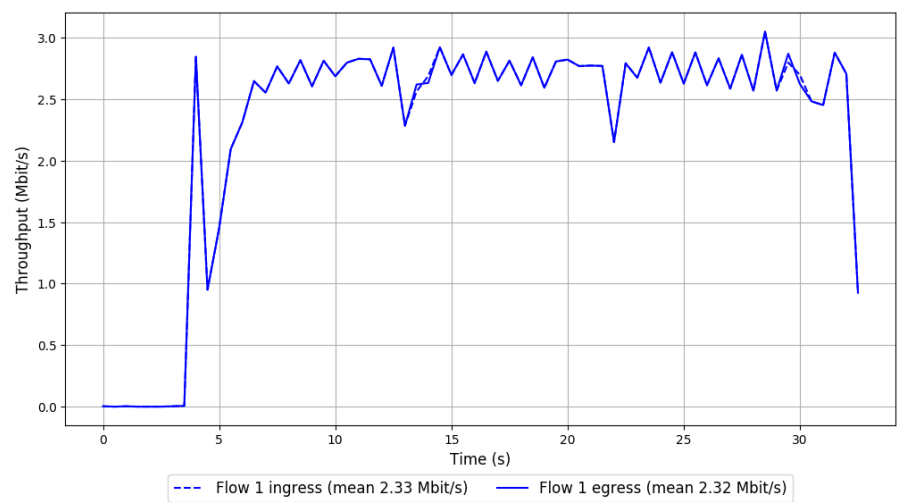
Run 2: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.33 Mbit/s) ----   Flow 1 egress (mean 2.33 Mbit/s) ——

Flow 1 (95th percentile -10.14 ms)

```
Run 3: Statistics of WebRTC media

Start at: 2017-11-21 07:40:50
End at: 2017-11-21 07:41:20
Local clock offset: 2.914 ms
Remote clock offset: -18.363 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -8.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -8.723 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.32 Mbit/s)   Flow 1 egress (mean 2.32 Mbit/s)

Flow 1 (95th percentile -8.72 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2017-11-21 08:01:02
End at: 2017-11-21 08:01:32
Local clock offset: 1.241 ms
Remote clock offset: -18.661 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: -6.044 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.44 Mbit/s
95th percentile per-packet one-way delay: -6.044 ms
Loss rate: 0.05%
```
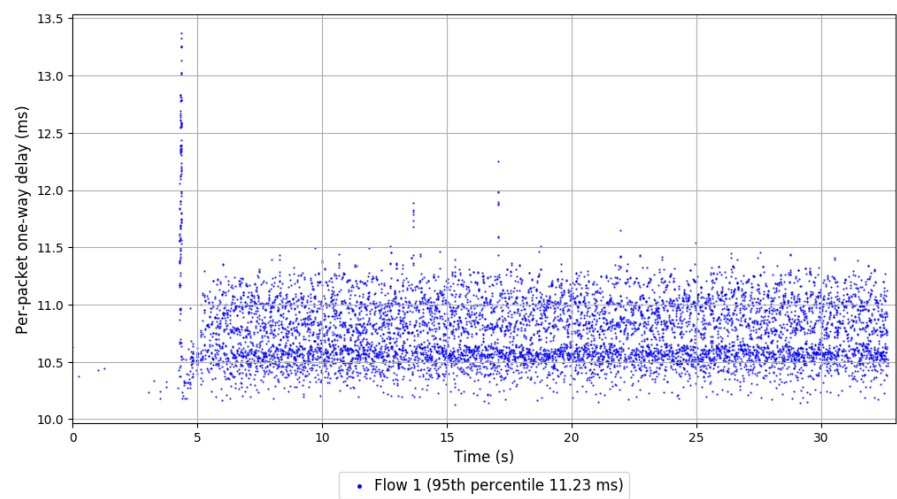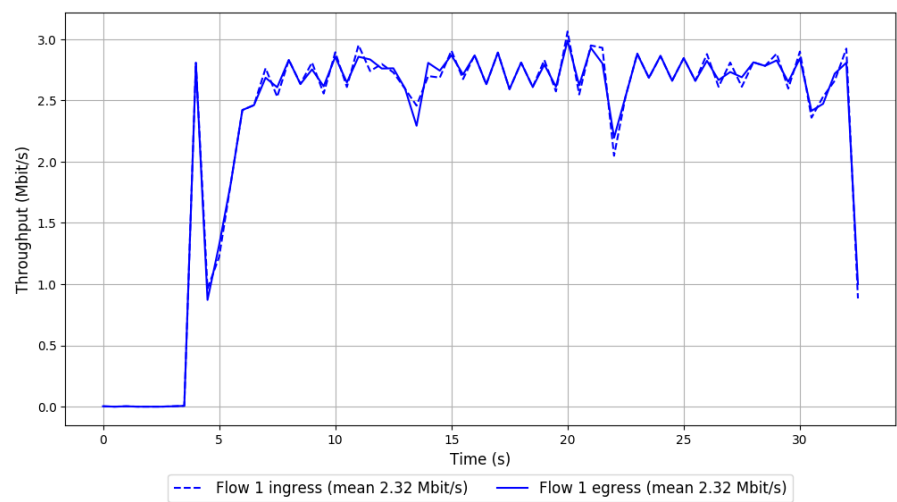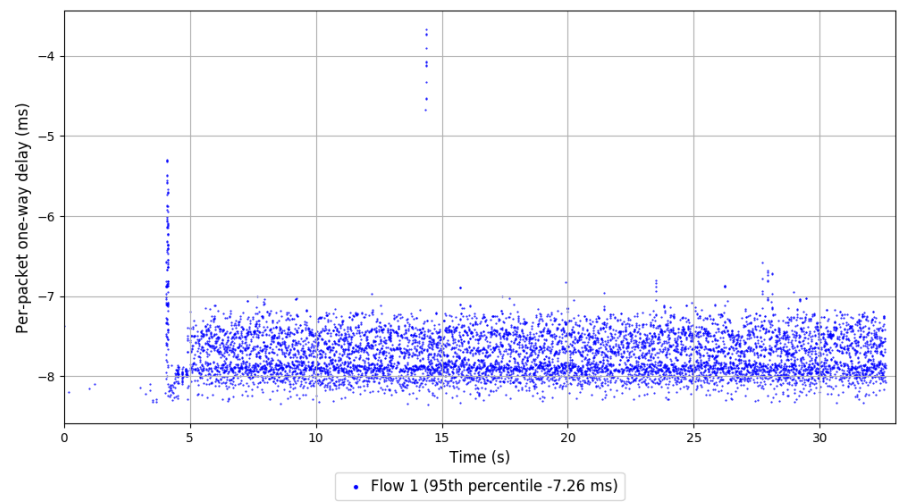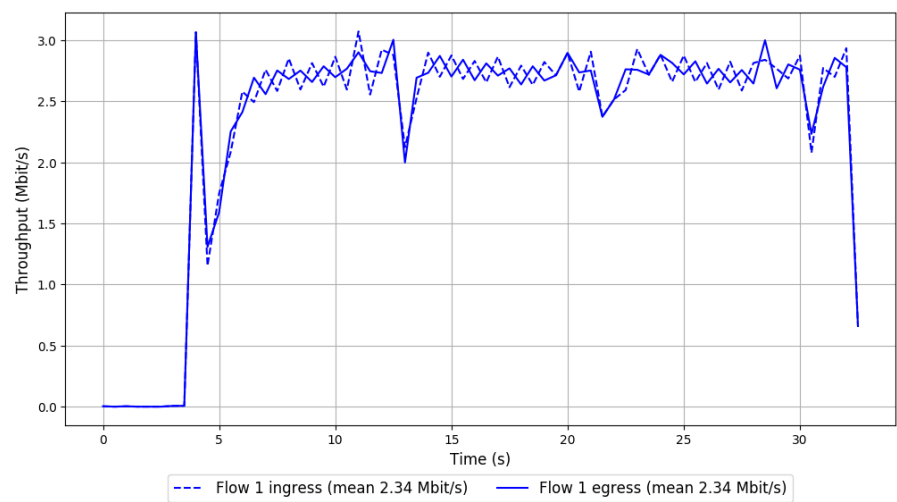
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2017-11-21 08:24:16
End at: 2017-11-21 08:24:46
Local clock offset: 2.633 ms
Remote clock offset: -18.75 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -5.890 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -5.890 ms
Loss rate: 0.00%
```
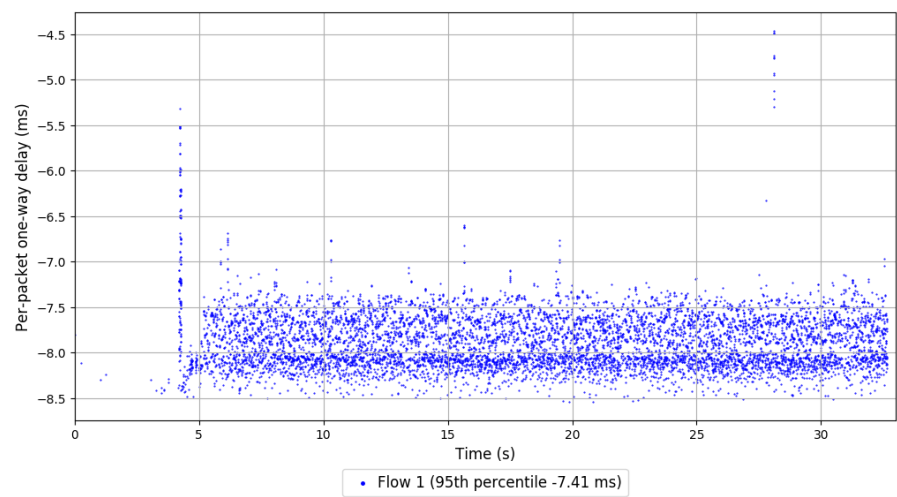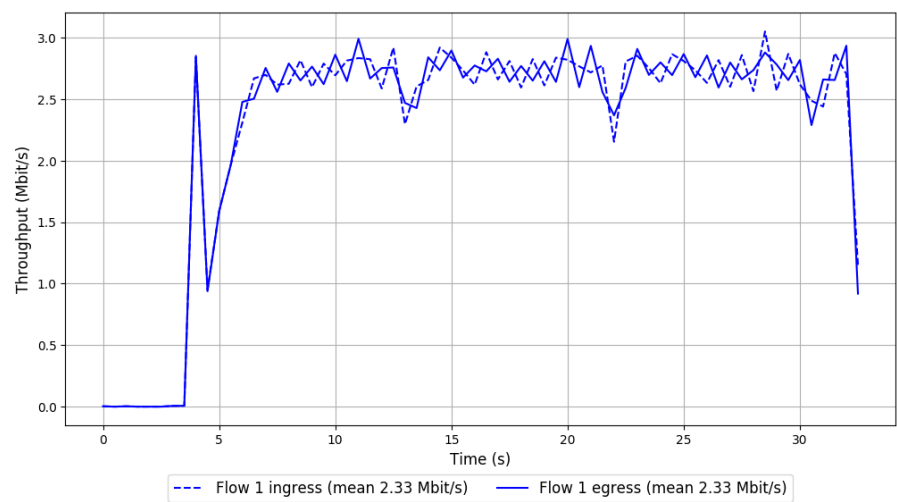
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2017-11-21 09:55:46
End at: 2017-11-21 09:56:16
Local clock offset: 1.497 ms
Remote clock offset: 1.803 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 11.227 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 11.227 ms
Loss rate: 0.00%
```
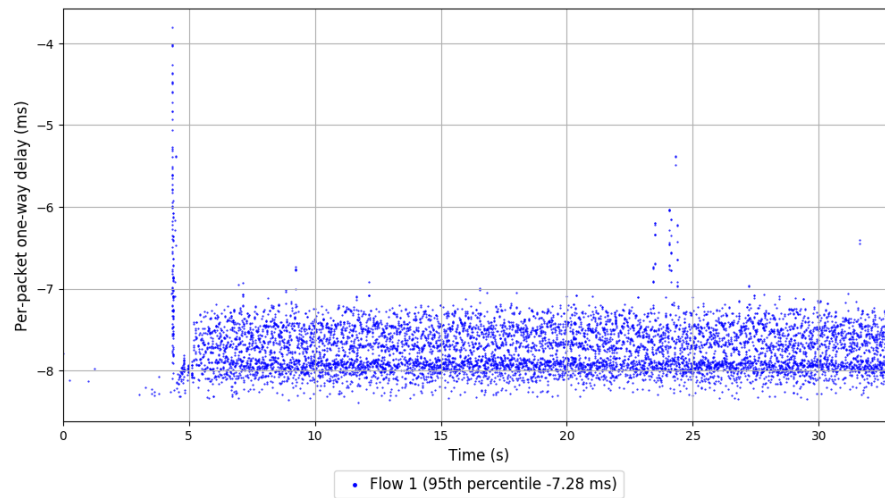
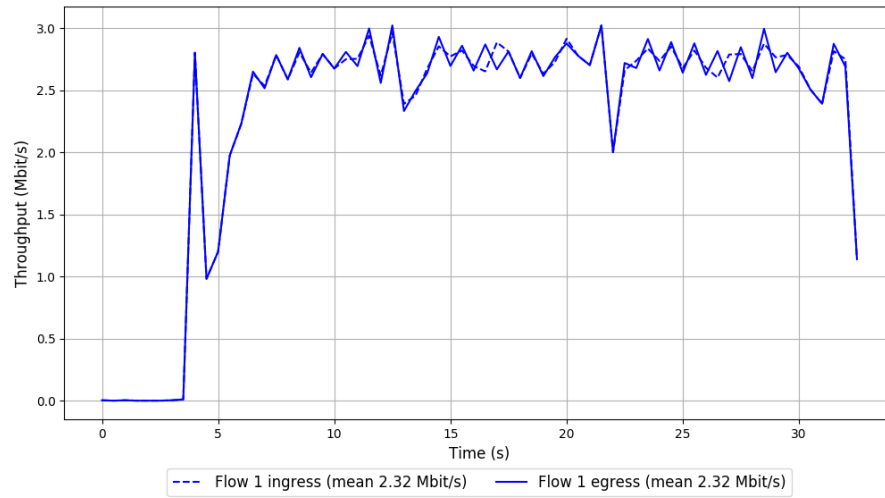Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2017-11-21 10:55:56
End at: 2017-11-21 10:56:26
Local clock offset: 3.155 ms
Remote clock offset: -14.763 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -7.263 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: -7.263 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: 2017-11-21 11:17:32
End at: 2017-11-21 11:18:02
Local clock offset: 2.888 ms
Remote clock offset: -13.791 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.413 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: -7.413 ms
Loss rate: 0.00%
```
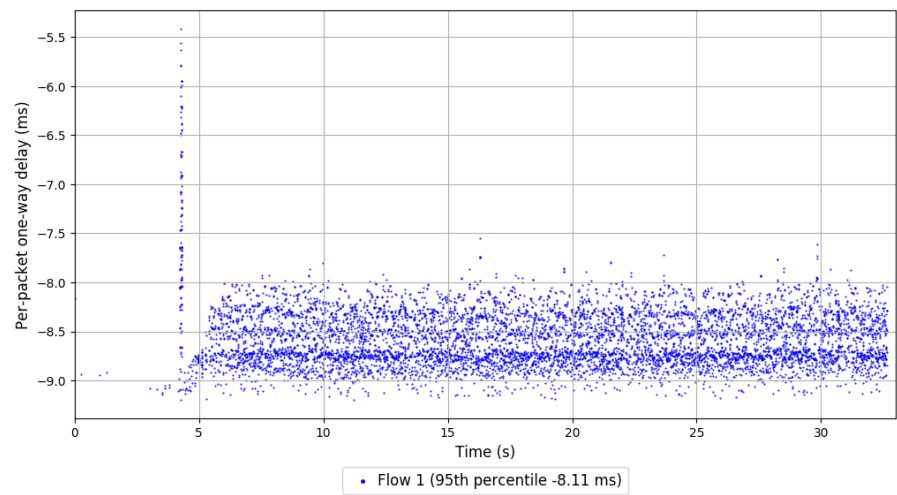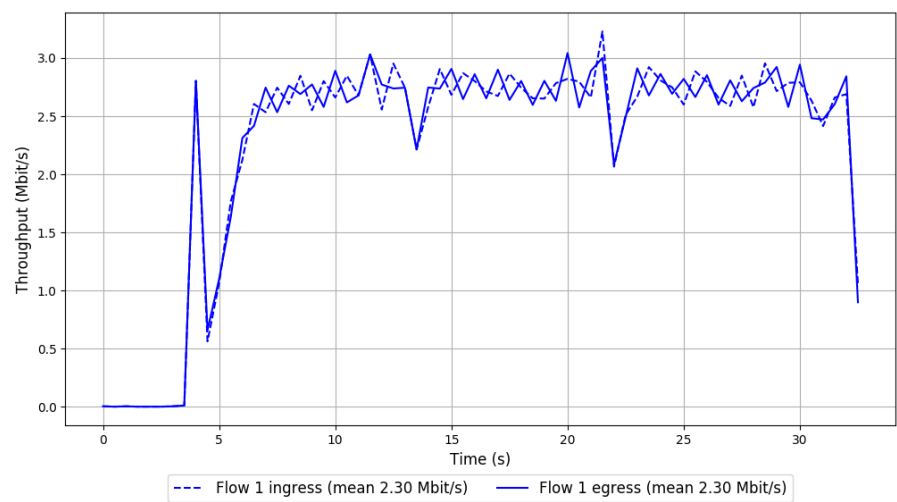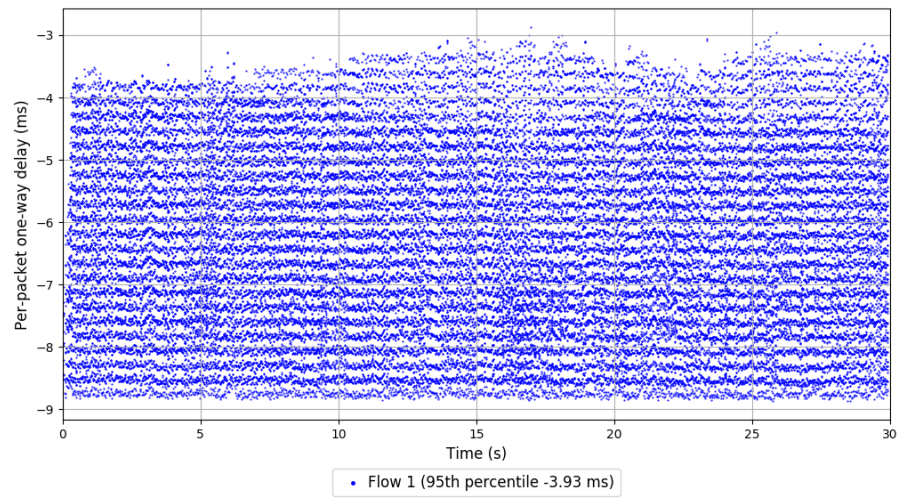
Run 8: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.33 Mbit/s)   Flow 1 egress (mean 2.33 Mbit/s)

Flow 1 (95th percentile -7.41 ms)

```
Run 9: Statistics of WebRTC media

Start at: 2017-11-21 11:59:27
End at: 2017-11-21 11:59:57
Local clock offset: 2.164 ms
Remote clock offset: -14.412 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -7.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: -7.278 ms
Loss rate: 0.00%
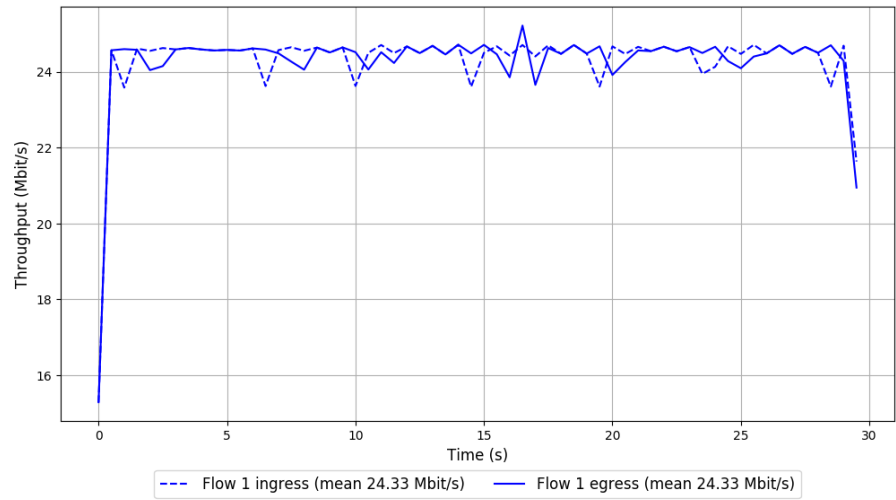```
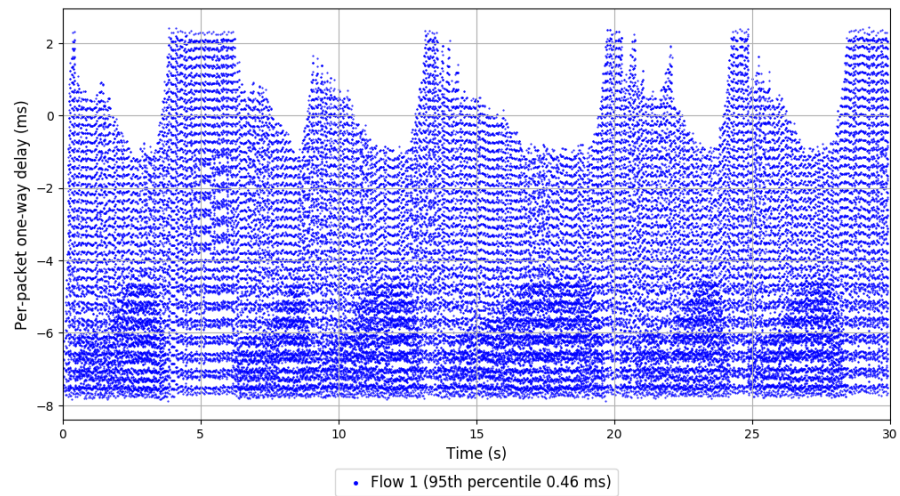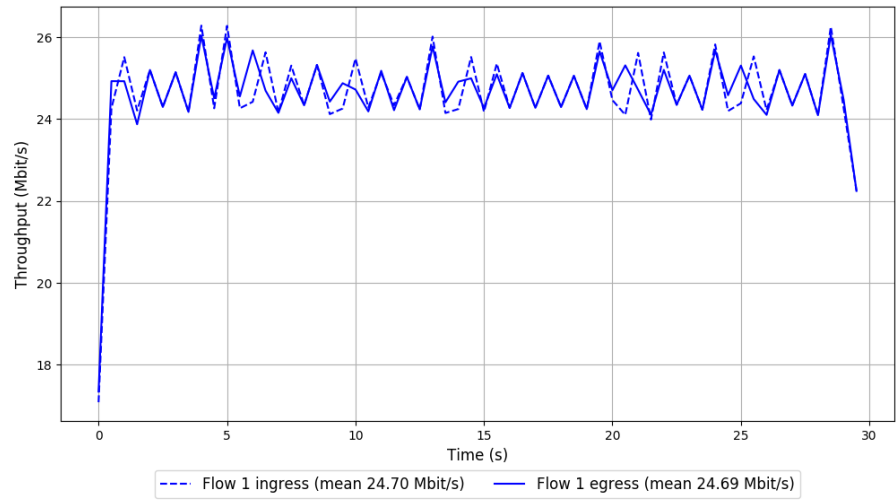
Run 9: Report of WebRTC media — Data Link



Flow 1 ingress (mean 2.32 Mbit/s)    Flow 1 egress (mean 2.32 Mbit/s)



Flow 1 (95th percentile -7.28 ms)

```
Run 10: Statistics of WebRTC media

Start at: 2017-11-21 12:22:08
End at: 2017-11-21 12:22:38
Local clock offset: 2.702 ms
Remote clock offset: -15.116 ms

Below is generated by plot.py at 2017-11-21 13:06:43
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: -8.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: -8.111 ms
Loss rate: 0.00%
```
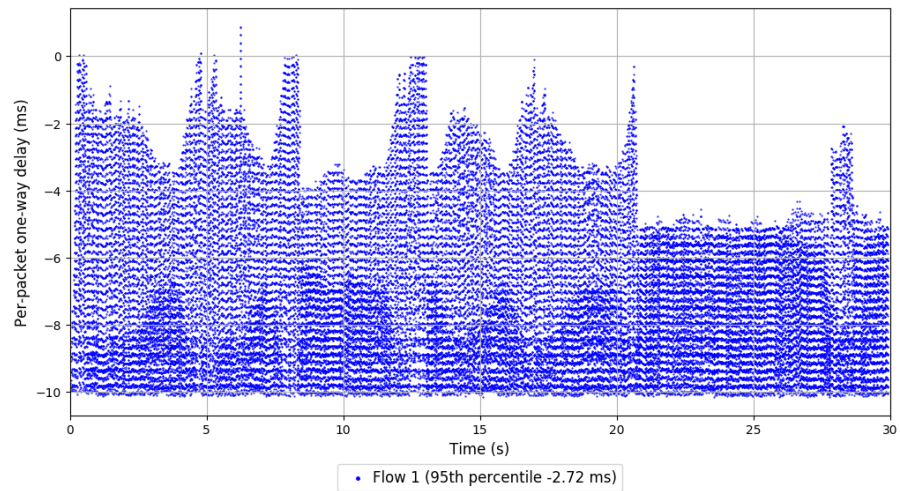
Run 10: Report of WebRTC media — Data Link

```
Run 1: Statistics of Sprout

Start at: 2017-11-21 07:00:04
End at: 2017-11-21 07:00:34
Local clock offset: -0.014 ms
Remote clock offset: -18.56 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: -3.931 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.33 Mbit/s
95th percentile per-packet one-way delay: -3.931 ms
Loss rate: 0.00%
```

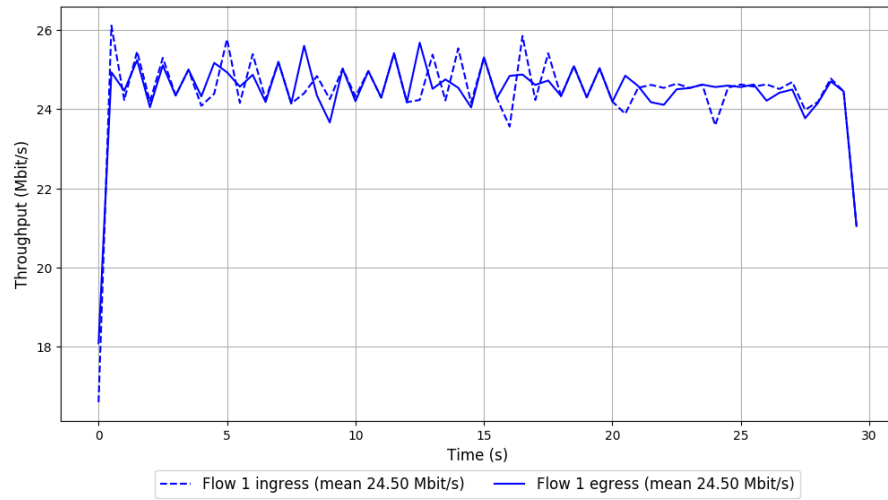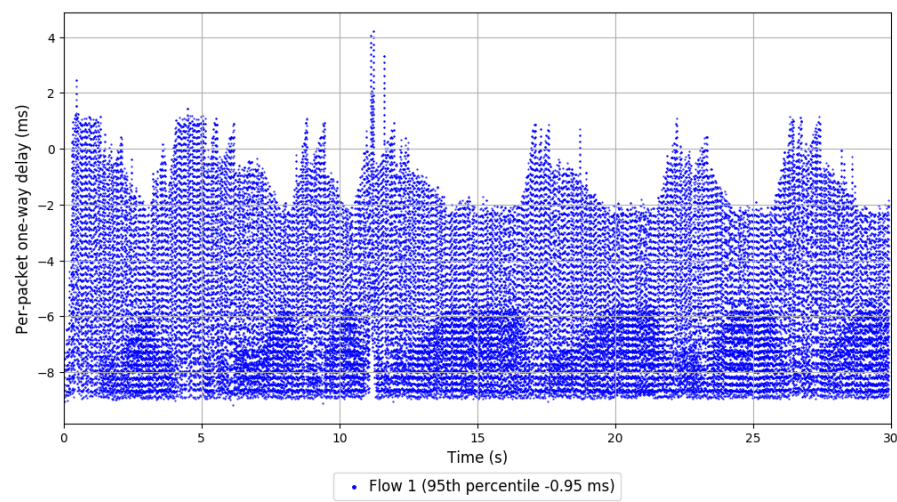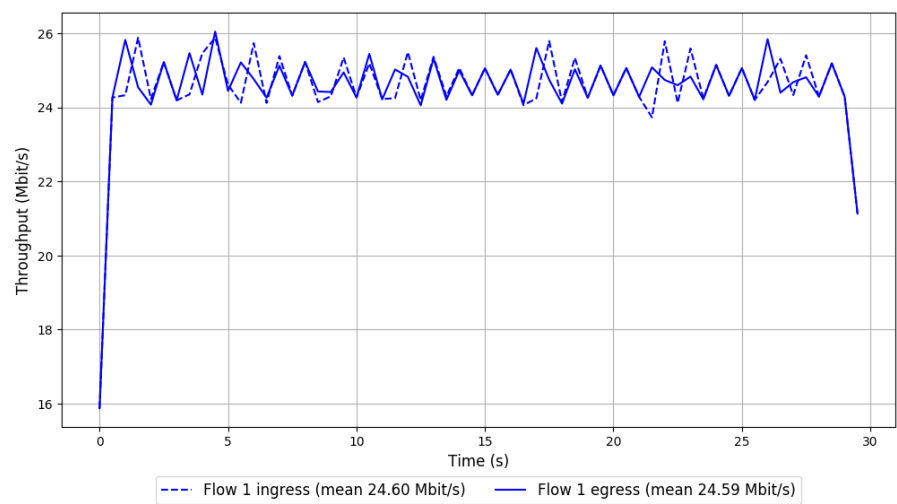Run 1: Report of Sprout — Data Link

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

Flow 1 (95th percentile -3.93 ms)

```
Run 2: Statistics of Sprout

Start at: 2017-11-21 07:18:56
End at: 2017-11-21 07:19:26
Local clock offset: -0.185 ms
Remote clock offset: -18.478 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 0.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 0.456 ms
Loss rate: 0.00%
```

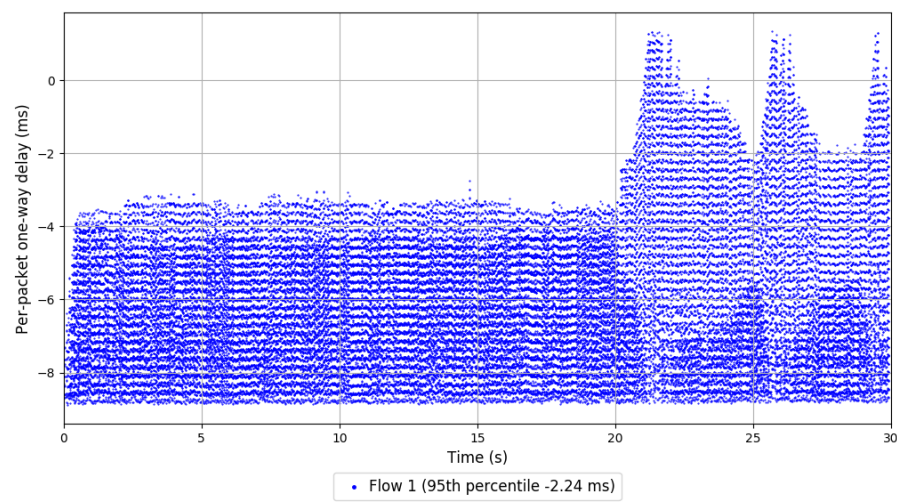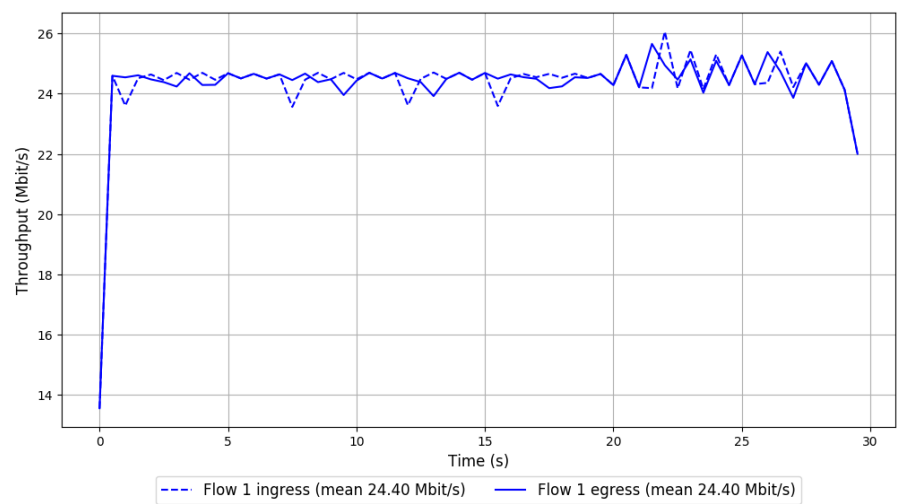Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 24.70 Mbit/s)   Flow 1 egress (mean 24.69 Mbit/s)

Flow 1 (95th percentile 0.46 ms)

```
Run 3: Statistics of Sprout

Start at: 2017-11-21 07:35:51
End at: 2017-11-21 07:36:21
Local clock offset: 2.898 ms
Remote clock offset: -18.939 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: -2.723 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.50 Mbit/s
95th percentile per-packet one-way delay: -2.723 ms
Loss rate: 0.00%
```

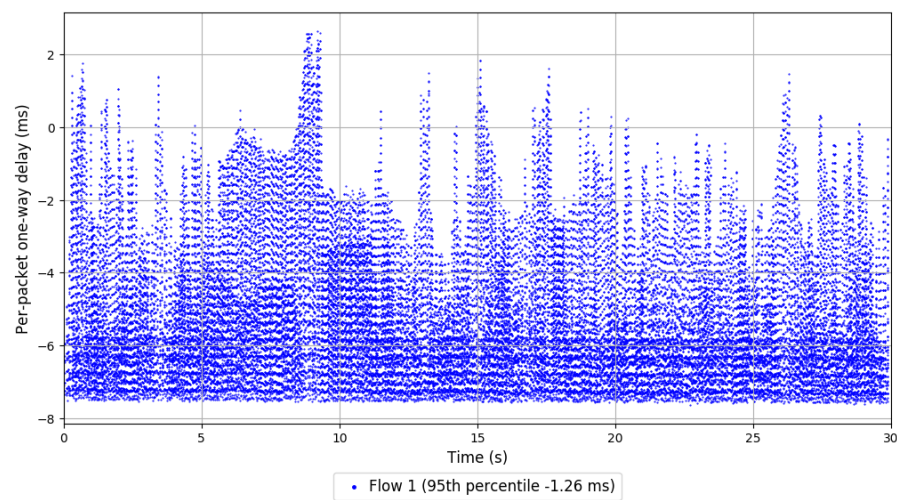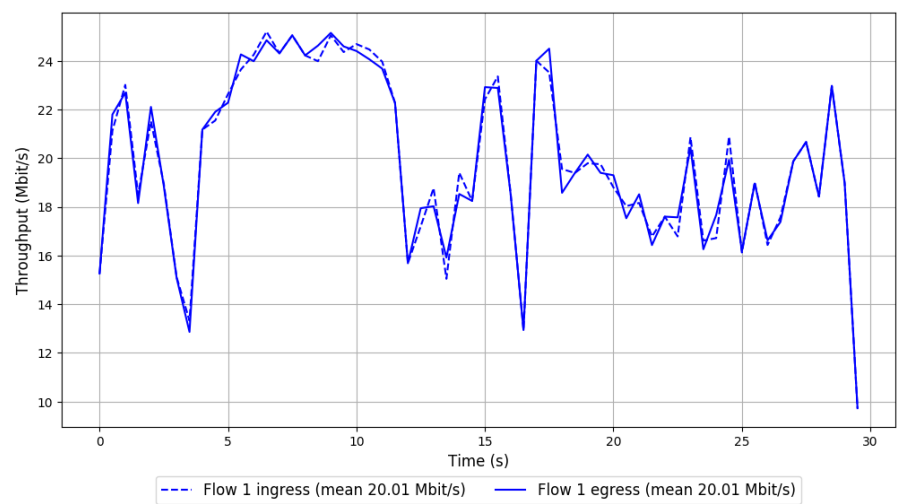Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 24.50 Mbit/s)   Flow 1 egress (mean 24.50 Mbit/s)

• Flow 1 (95th percentile -2.72 ms)

```
Run 4: Statistics of Sprout

Start at: 2017-11-21 07:54:15
End at: 2017-11-21 07:54:45
Local clock offset: 2.011 ms
Remote clock offset: -19.514 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: -0.946 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.59 Mbit/s
95th percentile per-packet one-way delay: -0.946 ms
Loss rate: 0.00%
```

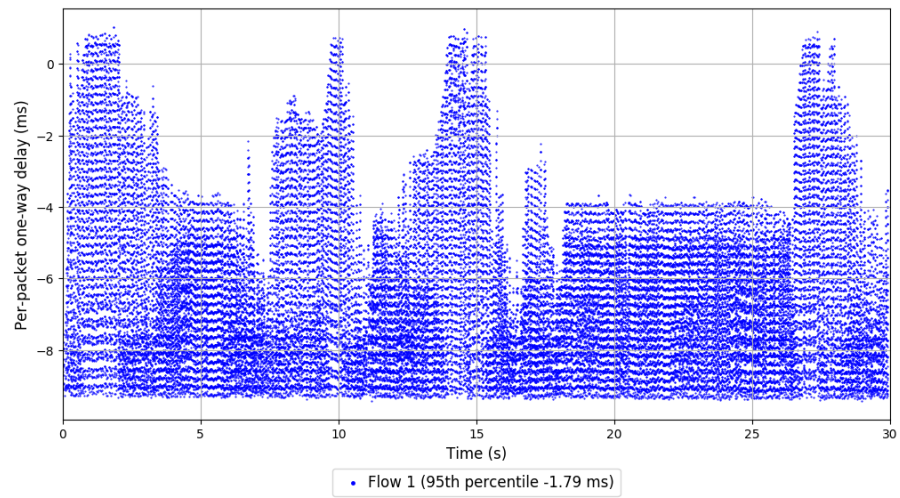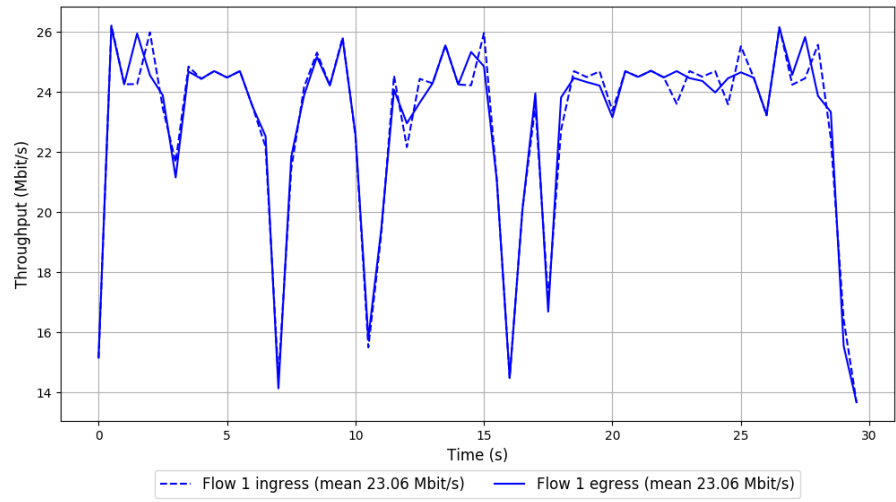## Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 24.60 Mbit/s)   Flow 1 egress (mean 24.59 Mbit/s)

• Flow 1 (95th percentile -0.95 ms)

```
Run 5: Statistics of Sprout

Start at: 2017-11-21 08:16:02
End at: 2017-11-21 08:16:32
Local clock offset: 4.565 ms
Remote clock offset: -18.331 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: -2.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.40 Mbit/s
95th percentile per-packet one-way delay: -2.236 ms
Loss rate: 0.00%
```

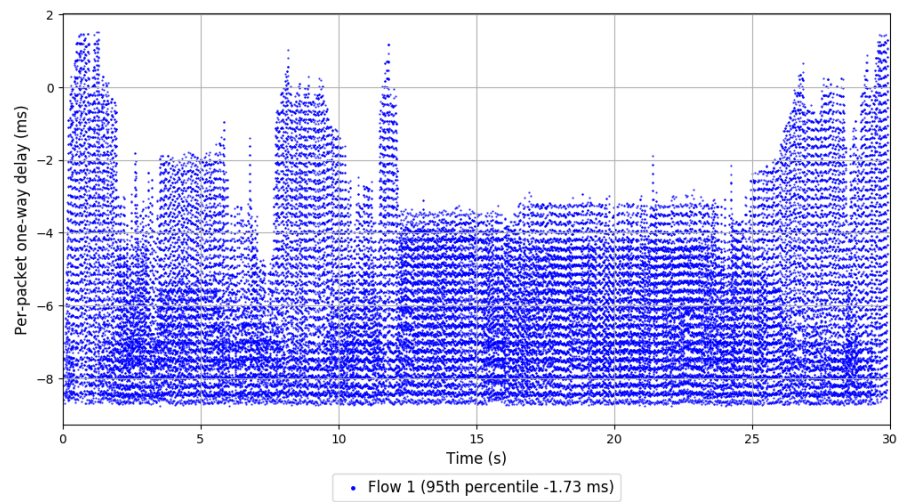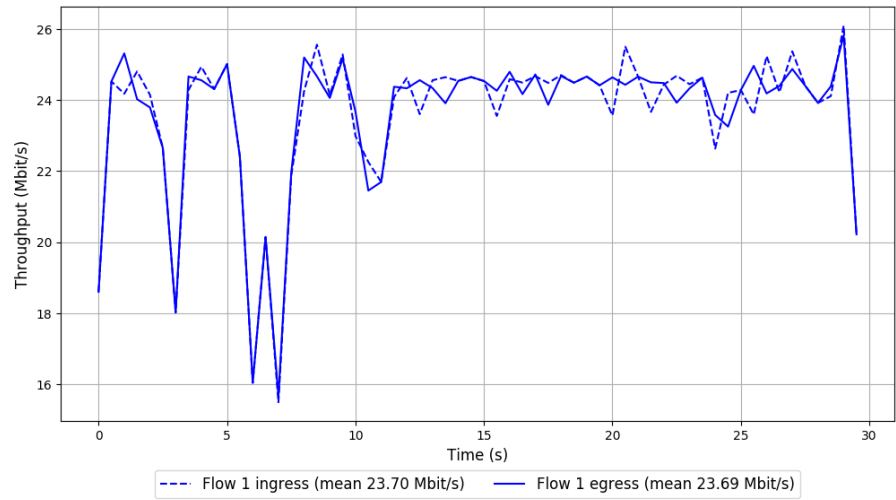## Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 24.40 Mbit/s) — — — Flow 1 egress (mean 24.40 Mbit/s)

• Flow 1 (95th percentile -2.24 ms)

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```
Run 6: Statistics of Sprout

Start at: 2017-11-21 09:07:03
End at: 2017-11-21 09:07:33
Local clock offset: 3.782 ms
Remote clock offset: -18.524 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.01 Mbit/s
95th percentile per-packet one-way delay: -1.260 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.01 Mbit/s
95th percentile per-packet one-way delay: -1.260 ms
Loss rate: 0.00%
```

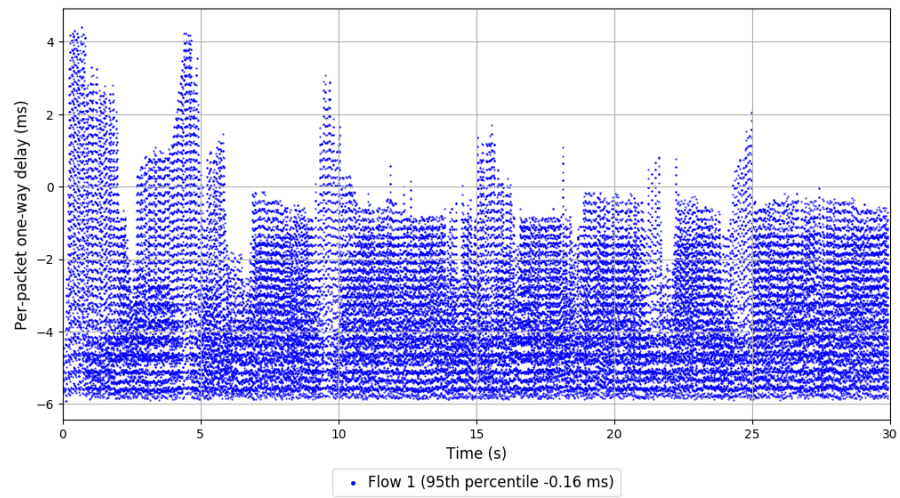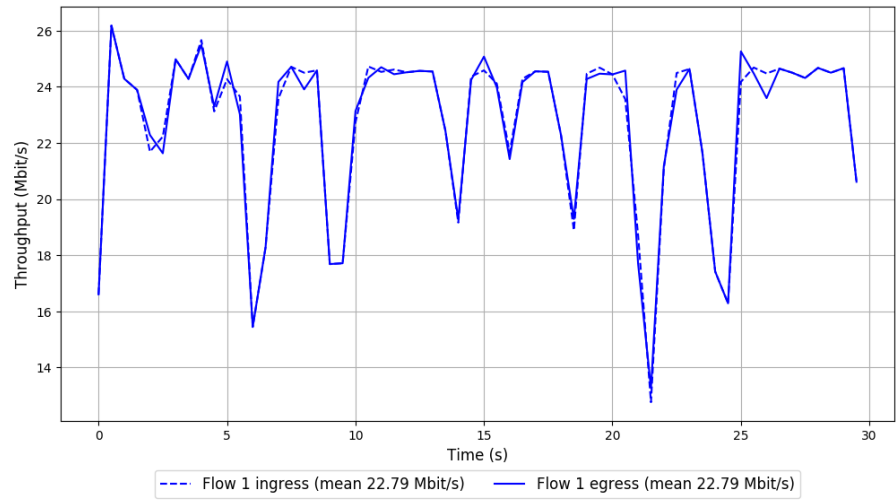Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2017-11-21 10:48:31
End at: 2017-11-21 10:49:01
Local clock offset: 4.013 ms
Remote clock offset: -15.589 ms


# Below is generated by plot.py at 2017-11-21 13:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: -1.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: -1.790 ms
Loss rate: 0.00%
```

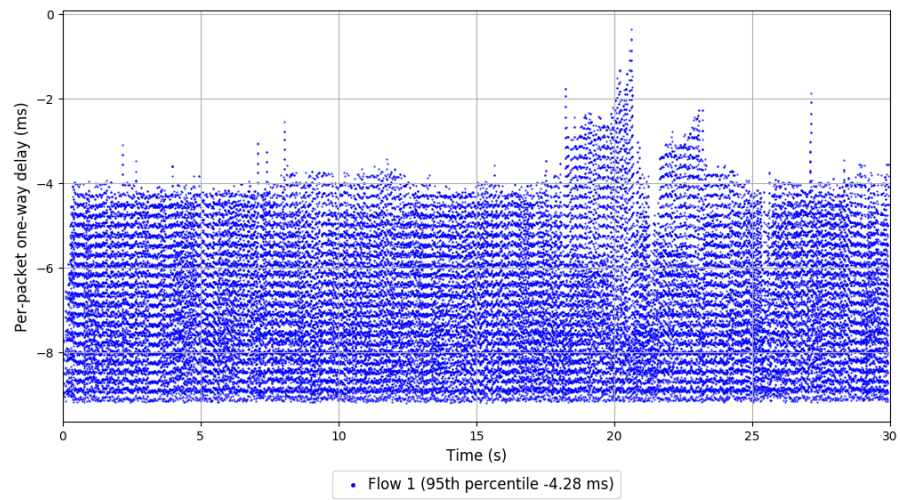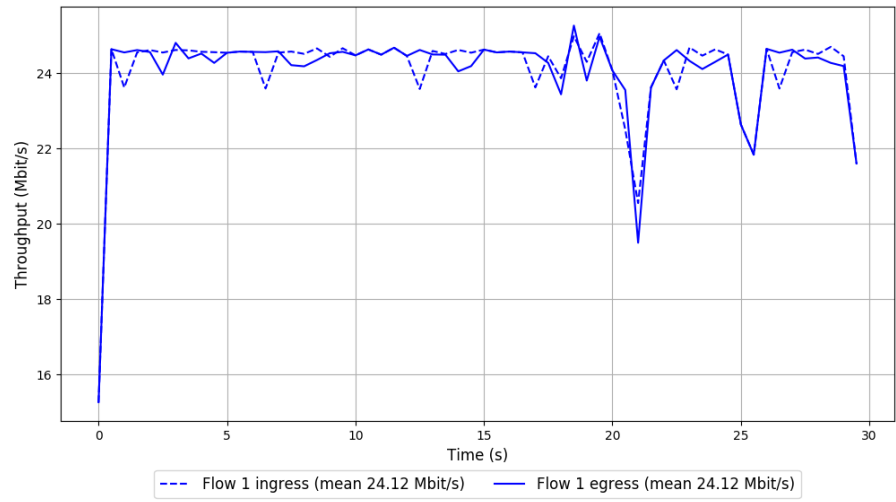Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2017-11-21 11:11:10
End at: 2017-11-21 11:11:40
Local clock offset: 3.245 ms
Remote clock offset: -14.43 ms


# Below is generated by plot.py at 2017-11-21 13:06:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: -1.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 23.69 Mbit/s
95th percentile per-packet one-way delay: -1.732 ms
Loss rate: 0.00%
```

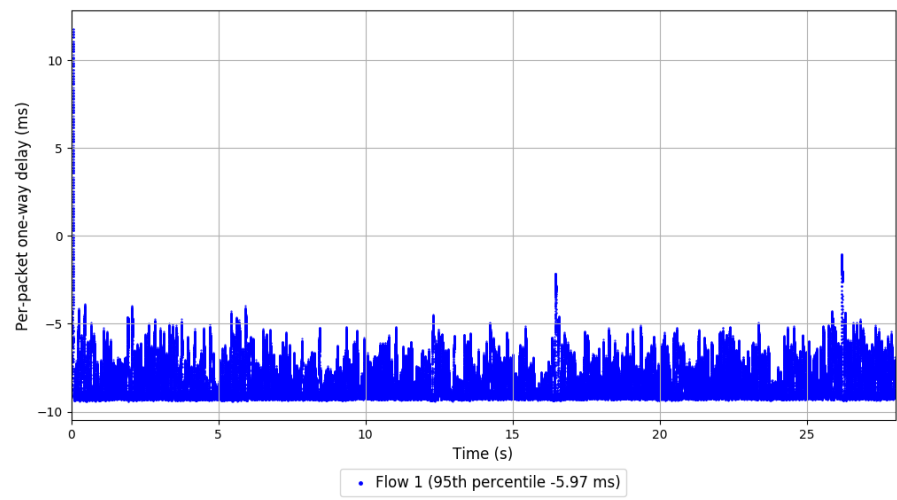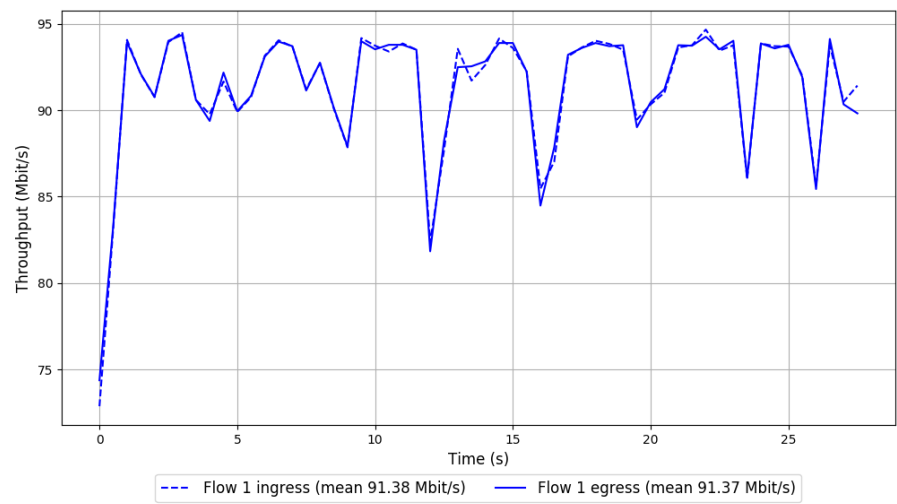Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2017-11-21 11:42:57
End at: 2017-11-21 11:43:27
Local clock offset: 0.397 ms
Remote clock offset: -13.635 ms


# Below is generated by plot.py at 2017-11-21 13:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: -0.157 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: -0.157 ms
Loss rate: 0.00%
```
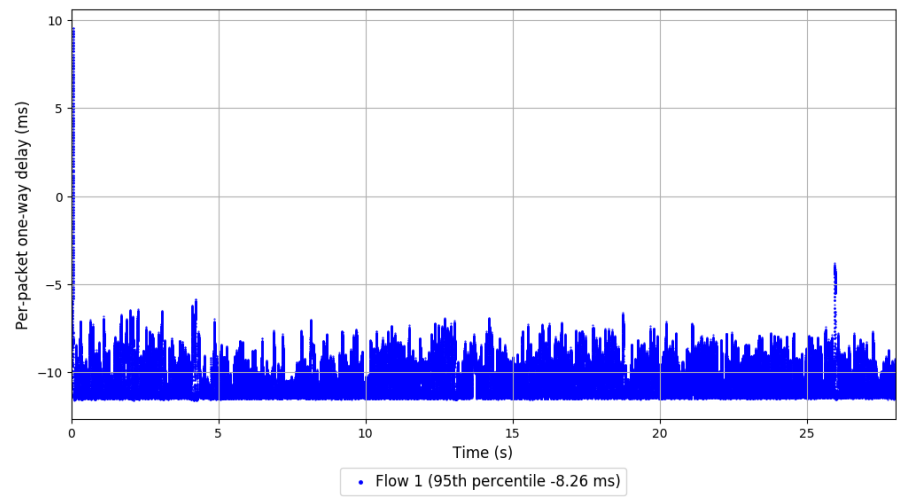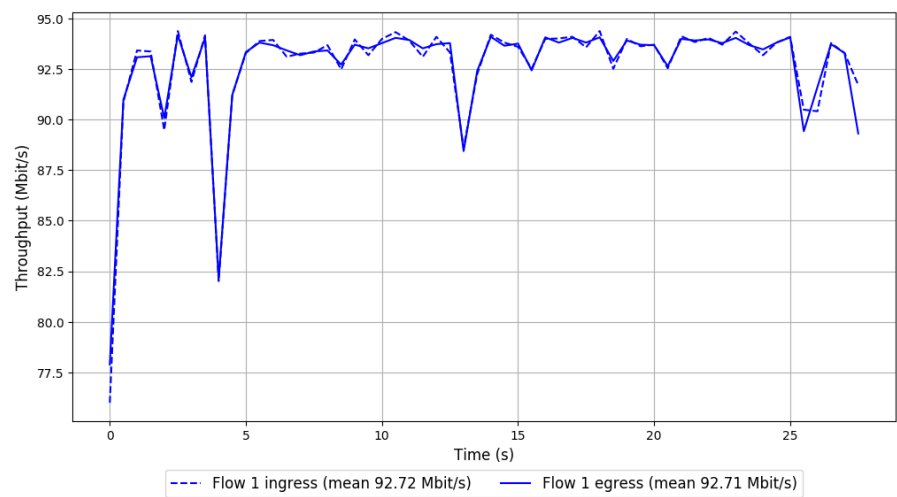
Run 9: Report of Sprout — Data Link

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Run 10: Statistics of Sprout

Start at: 2017-11-21 12:15:12
End at: 2017-11-21 12:15:42
Local clock offset: 2.07 ms
Remote clock offset: -15.795 ms

Below is generated by plot.py at 2017-11-21 13:06:55
Datalink statistics
-- Total of 1 flow:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: -4.284 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.12 Mbit/s
95th percentile per-packet one-way delay: -4.284 ms
Loss rate: 0.00%

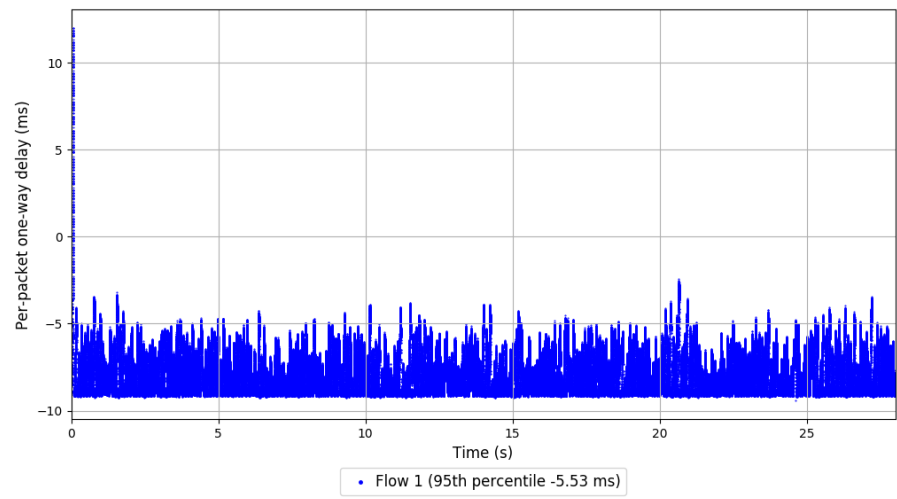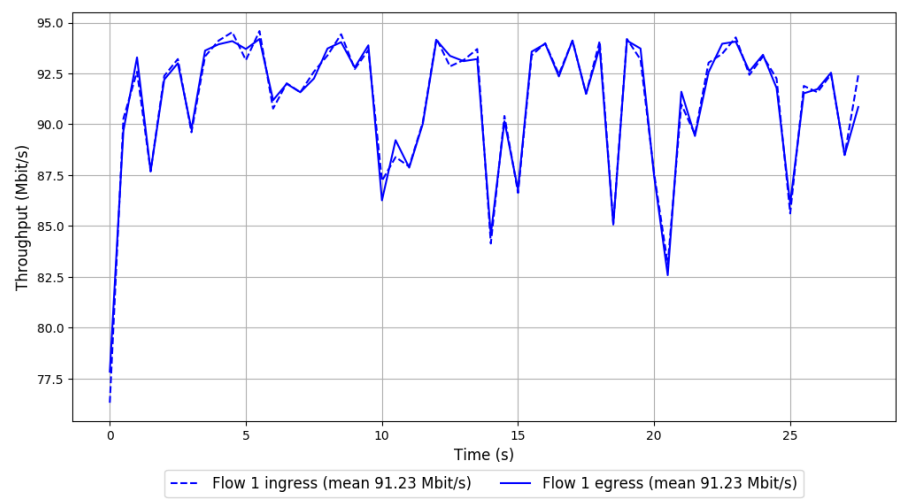Run 10: Report of Sprout — Data Link

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

Start at: 2017-11-21 07:03:46
End at: 2017-11-21 07:04:16
Local clock offset: 0.847 ms
Remote clock offset: -18.336 ms

# Below is generated by plot.py at 2017-11-21 13:08:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: -5.972 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: -5.972 ms
Loss rate: 0.00%
```
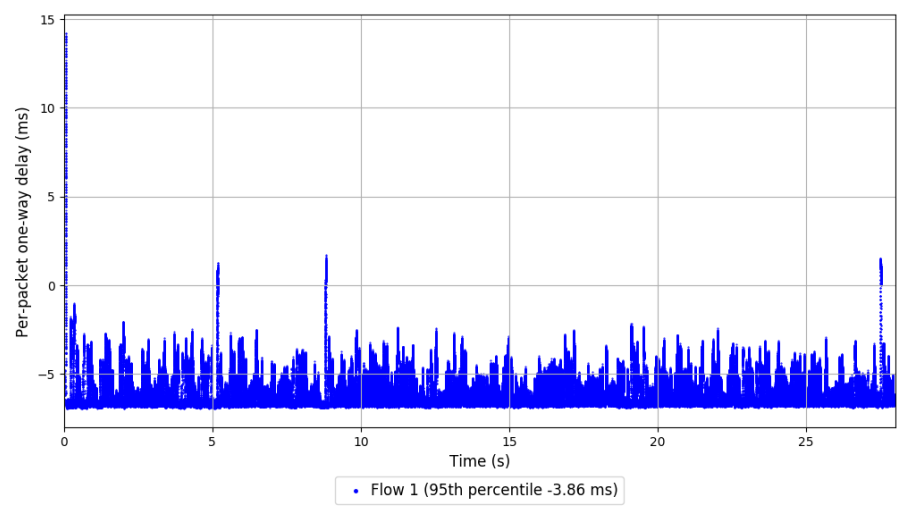
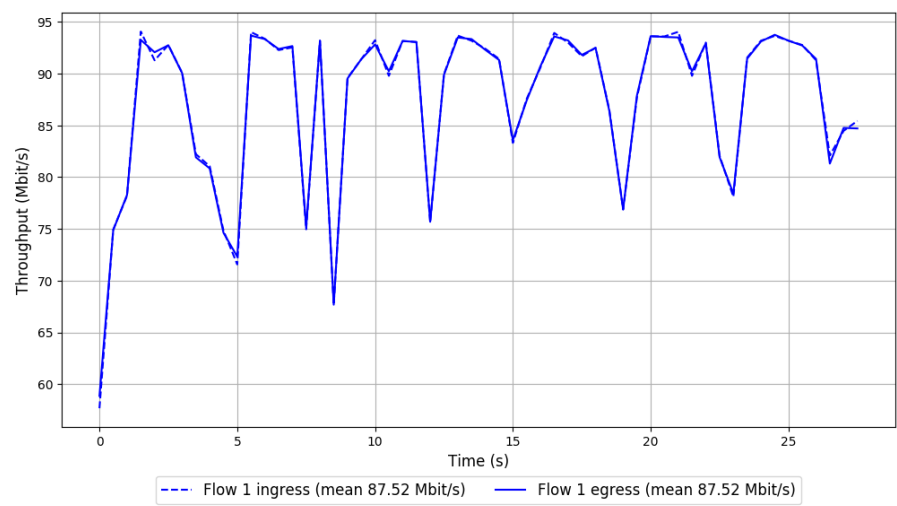Run 1: Report of TaoVA-100x — Data Link

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

Start at: 2017-11-21 07:22:28
End at: 2017-11-21 07:22:58
Local clock offset: 2.541 ms
Remote clock offset: -19.749 ms


# Below is generated by plot.py at 2017-11-21 13:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: -8.263 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 92.71 Mbit/s
95th percentile per-packet one-way delay: -8.263 ms
Loss rate: 0.01%
```

Run 2: Report of TaoVA-100x — Data Link
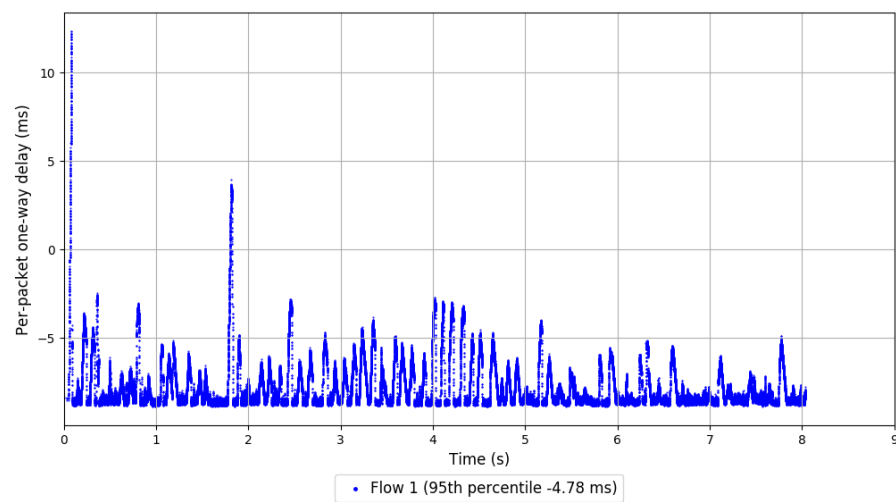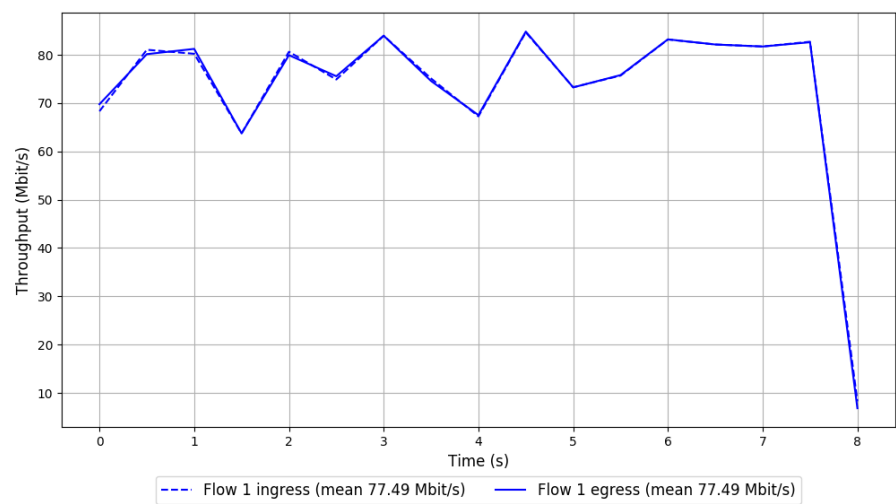
```
Run 3: Statistics of TaoVA-100x

Start at: 2017-11-21 07:39:29
End at: 2017-11-21 07:39:59
Local clock offset: 2.52 ms
Remote clock offset: -18.375 ms

# Below is generated by plot.py at 2017-11-21 13:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: -5.533 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.23 Mbit/s
95th percentile per-packet one-way delay: -5.533 ms
Loss rate: 0.00%
```
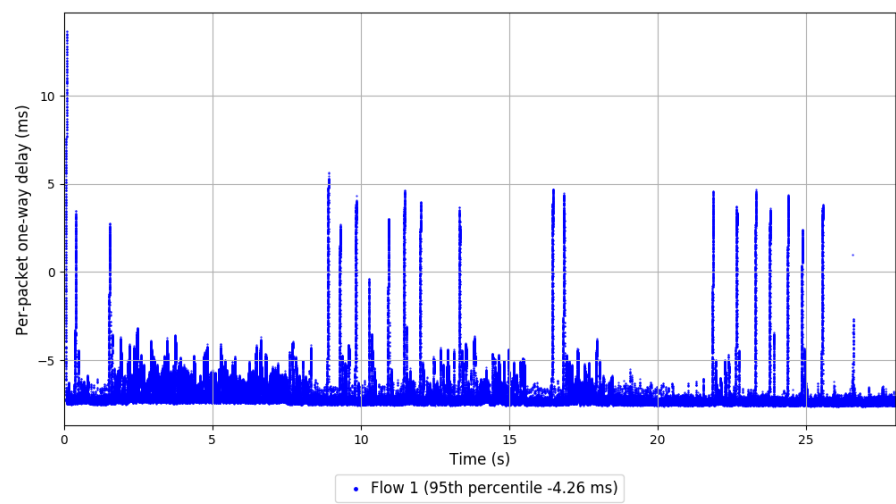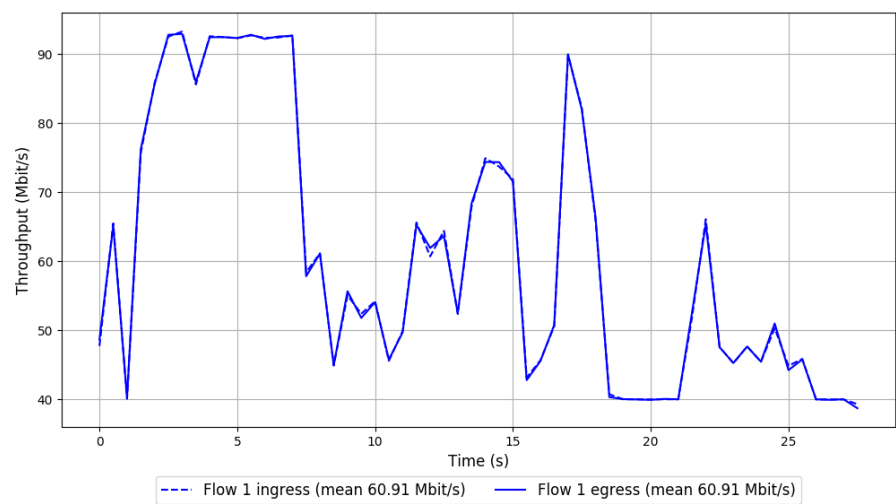
Run 3: Report of TaoVA-100x — Data Link

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

Start at: 2017-11-21 07:59:18
End at: 2017-11-21 07:59:48
Local clock offset: 0.864 ms
Remote clock offset: -18.859 ms


# Below is generated by plot.py at 2017-11-21 13:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.52 Mbit/s
95th percentile per-packet one-way delay: -3.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.52 Mbit/s
95th percentile per-packet one-way delay: -3.858 ms
Loss rate: 0.00%
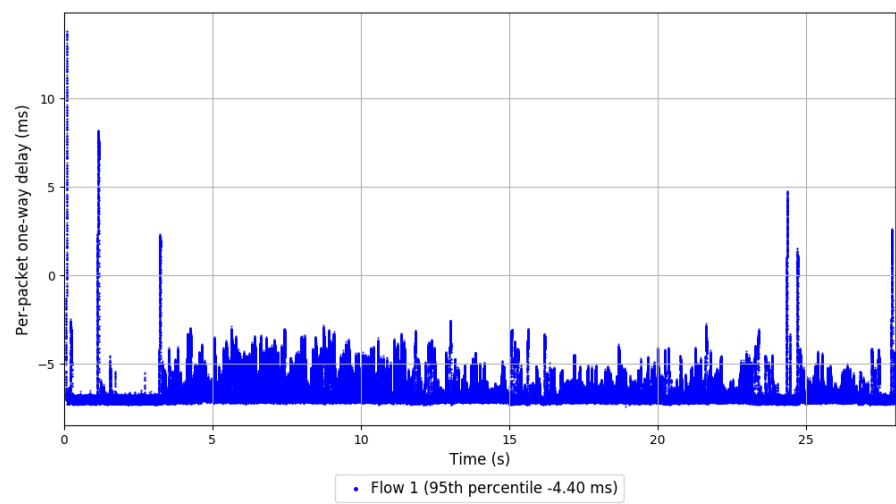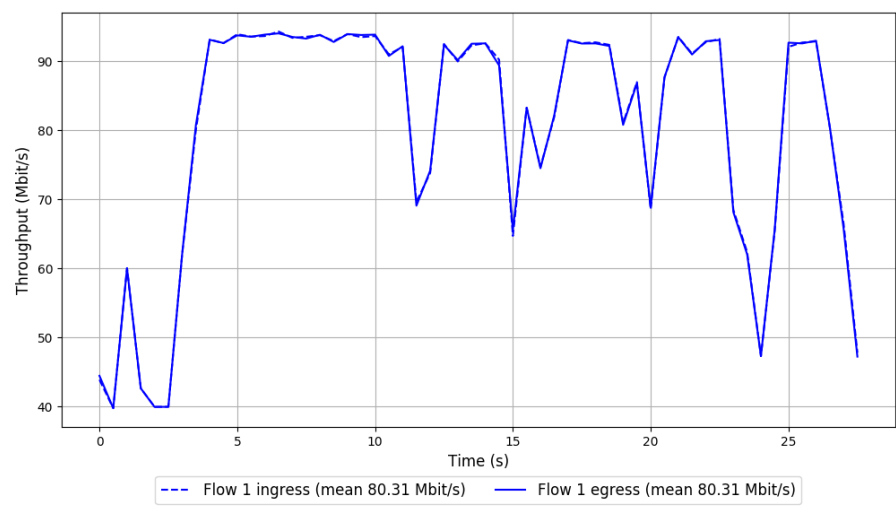```

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





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

Start at: 2017-11-21 08:22:25
End at: 2017-11-21 08:22:55
Local clock offset: 2.8 ms
Remote clock offset: -20.58 ms
```

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

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

Start at: 2017-11-21 09:37:37
End at: 2017-11-21 09:38:07
Local clock offset: 4.401 ms
Remote clock offset: -13.668 ms

# Below is generated by plot.py at 2017-11-21 13:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.91 Mbit/s
95th percentile per-packet one-way delay: -4.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 60.91 Mbit/s
95th percentile per-packet one-way delay: -4.259 ms
Loss rate: 0.00%
```
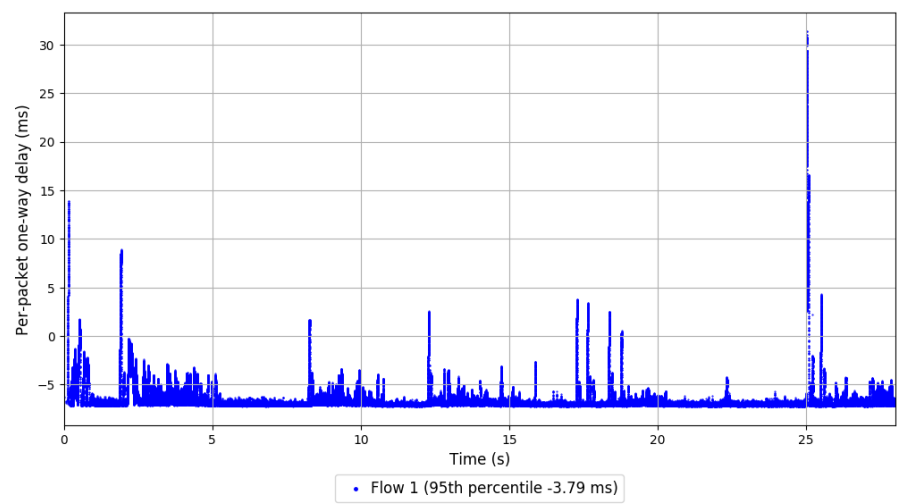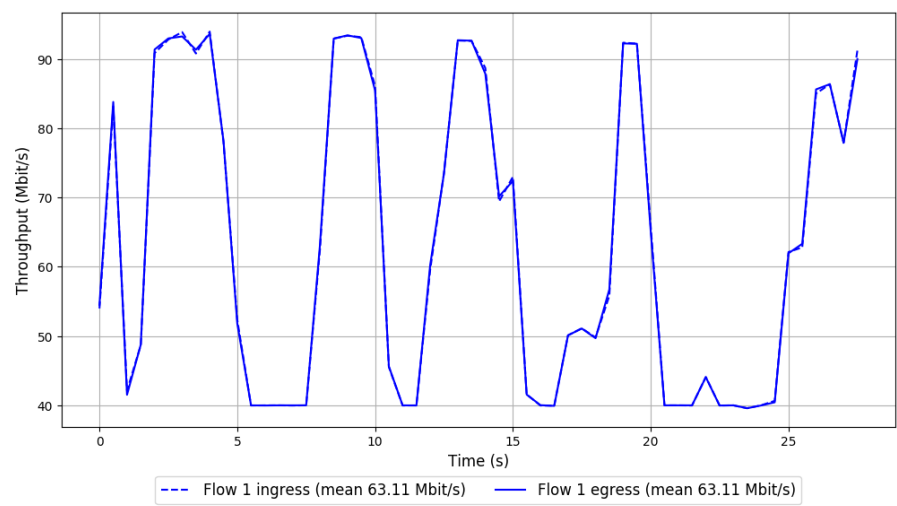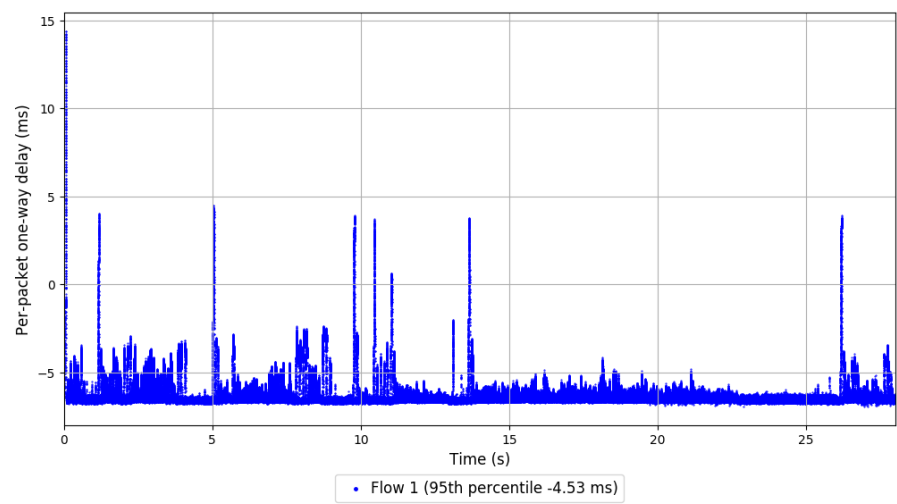
Run 6: Report of TaoVA-100x — Data Link

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

Start at: 2017-11-21 10:54:28
End at: 2017-11-21 10:54:58
Local clock offset: 2.699 ms
Remote clock offset: -14.387 ms


# Below is generated by plot.py at 2017-11-21 13:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.31 Mbit/s
95th percentile per-packet one-way delay: -4.397 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 80.31 Mbit/s
95th percentile per-packet one-way delay: -4.397 ms
Loss rate: 0.01%
```

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

Flow 1 ingress (mean 80.31 Mbit/s)   Flow 1 egress (mean 80.31 Mbit/s)
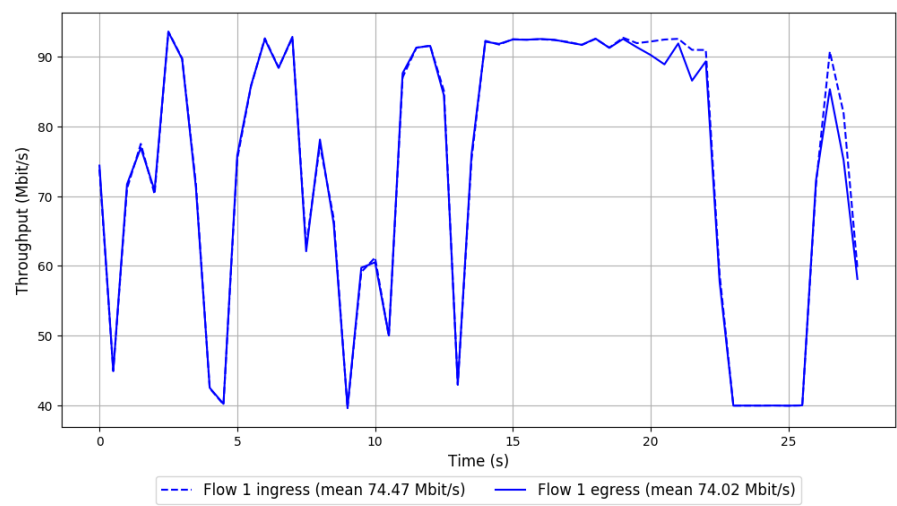

Flow 1 (95th percentile -4.40 ms)

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

Start at: 2017-11-21 11:15:46
End at: 2017-11-21 11:16:16
Local clock offset: 0.497 ms
Remote clock offset: -15.178 ms


# Below is generated by plot.py at 2017-11-21 13:09:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.11 Mbit/s
95th percentile per-packet one-way delay: -3.790 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.11 Mbit/s
95th percentile per-packet one-way delay: -3.790 ms
Loss rate: 0.00%
```
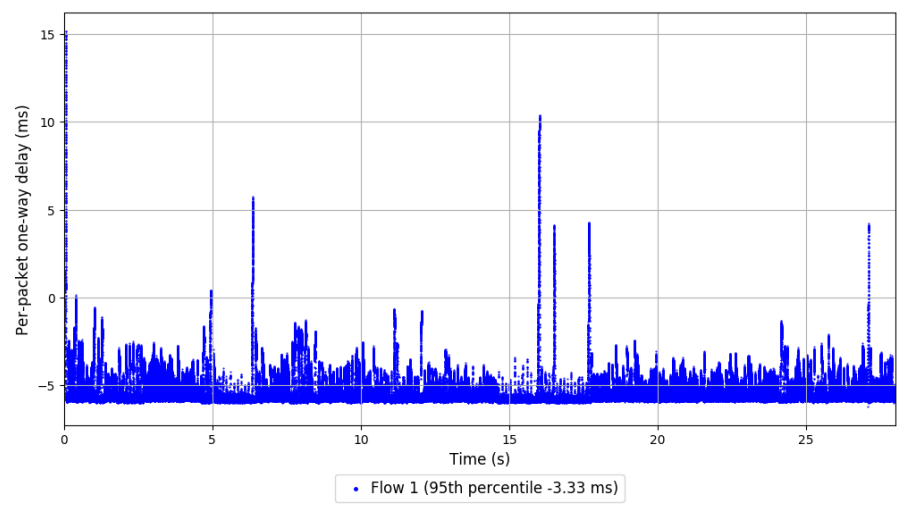
Run 8: Report of TaoVA-100x — Data Link

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

Start at: 2017-11-21 11:48:26
End at: 2017-11-21 11:48:56
Local clock offset: 1.369 ms
Remote clock offset: -13.642 ms


# Below is generated by plot.py at 2017-11-21 13:09:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: -4.533 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: -4.533 ms
Loss rate: 0.62%
```
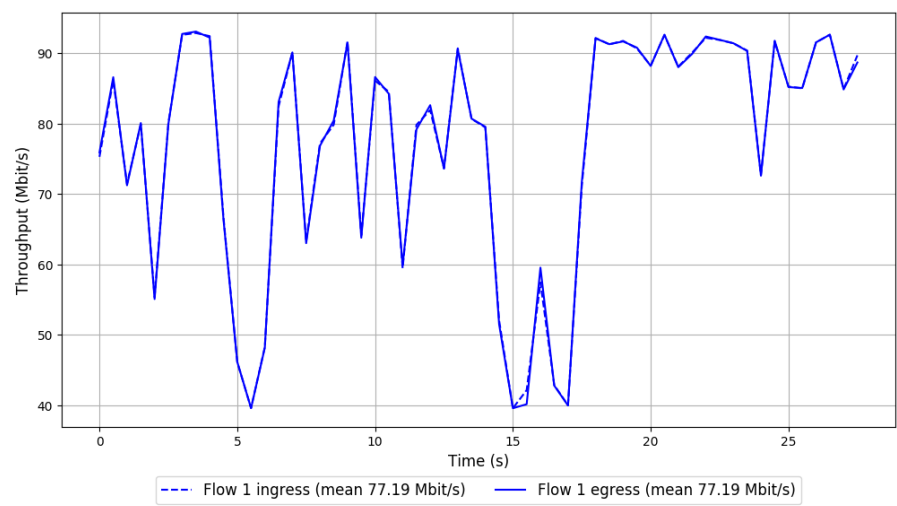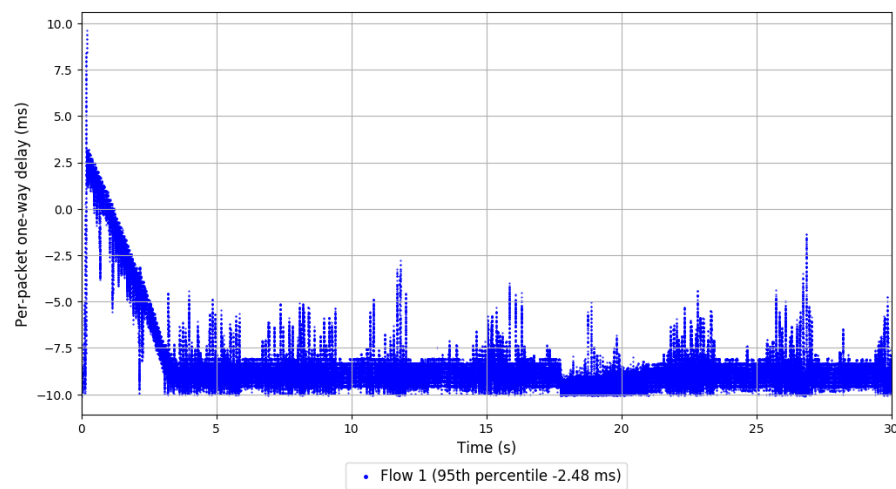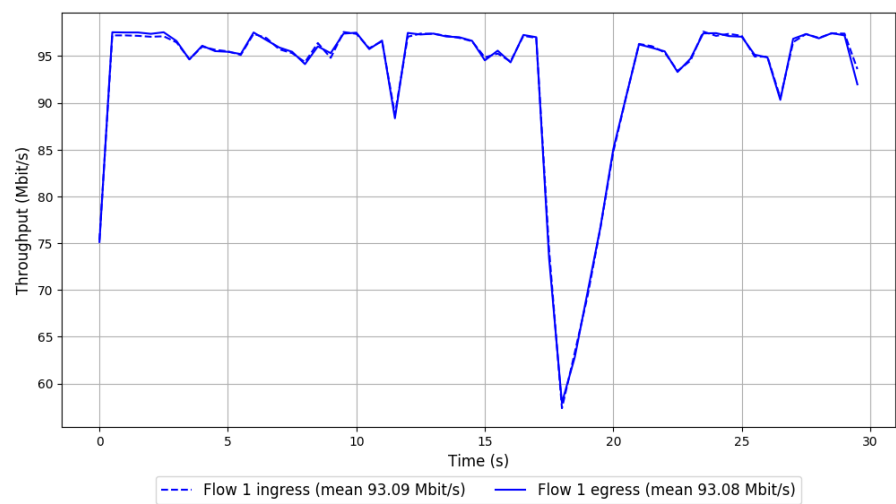
Run 9: Report of TaoVA-100x — Data Link

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

Start at: 2017-11-21 12:19:47
End at: 2017-11-21 12:20:17
Local clock offset: -0.263 ms
Remote clock offset: -15.011 ms


# Below is generated by plot.py at 2017-11-21 13:10:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: -3.334 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.19 Mbit/s
95th percentile per-packet one-way delay: -3.334 ms
Loss rate: 0.00%
```
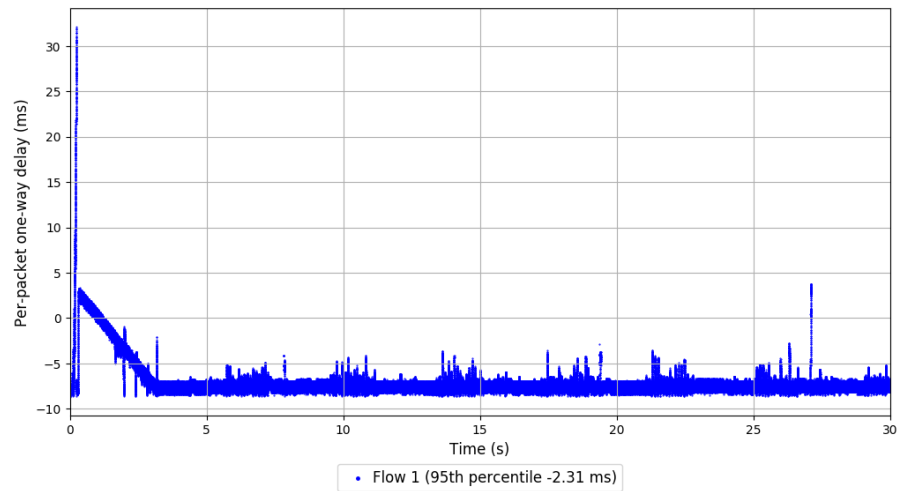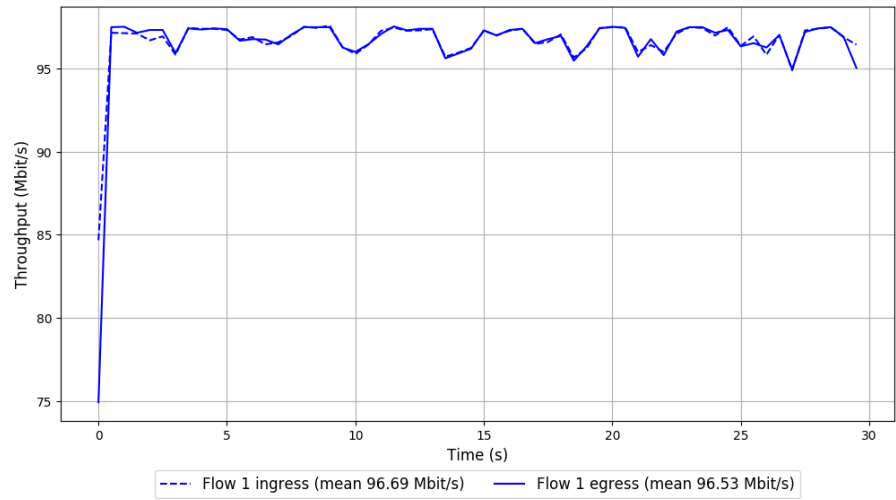
Run 10: Report of TaoVA-100x — Data Link

```
Run 1: Statistics of TCP Vegas

Start at: 2017-11-21 07:11:13
End at: 2017-11-21 07:11:43
Local clock offset: 0.831 ms
Remote clock offset: -19.347 ms


# Below is generated by plot.py at 2017-11-21 13:10:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: -2.481 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.08 Mbit/s
95th percentile per-packet one-way delay: -2.481 ms
Loss rate: 0.00%
```
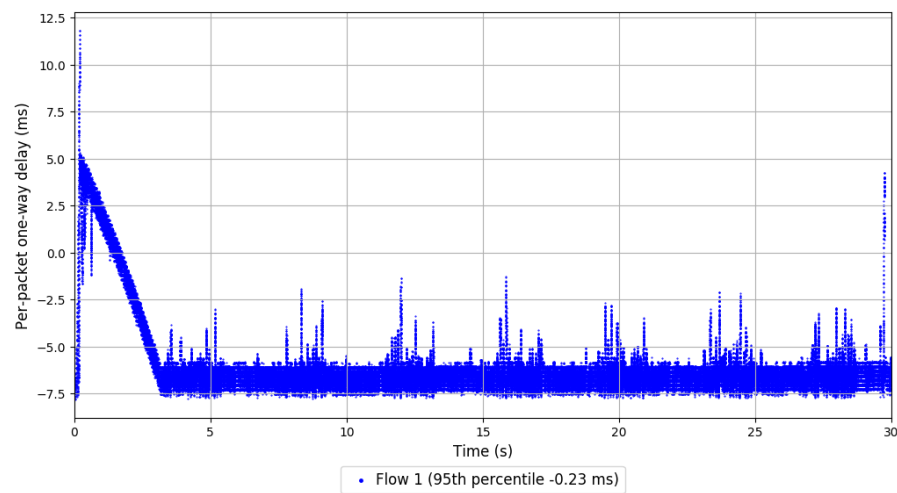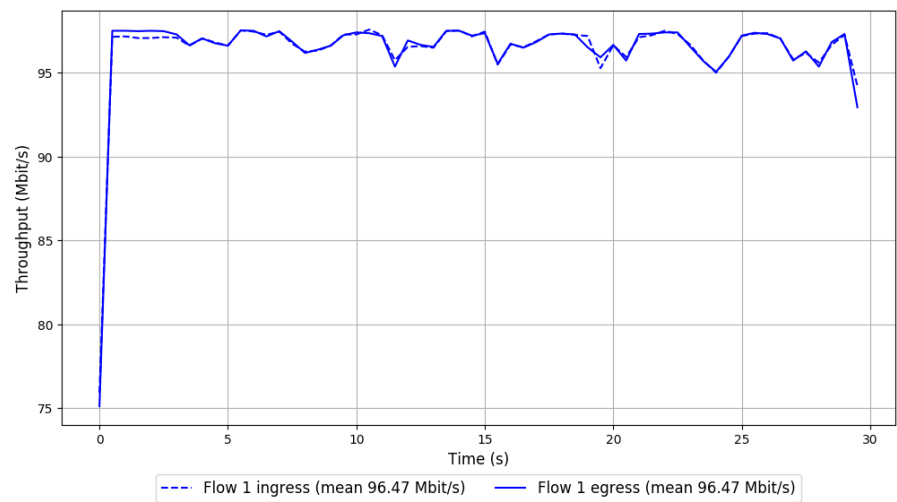
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2017-11-21 07:29:34
End at: 2017-11-21 07:30:04
Local clock offset: 1.597 ms
Remote clock offset: -18.382 ms


# Below is generated by plot.py at 2017-11-21 13:10:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: -2.311 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 96.53 Mbit/s
95th percentile per-packet one-way delay: -2.311 ms
Loss rate: 0.16%
```
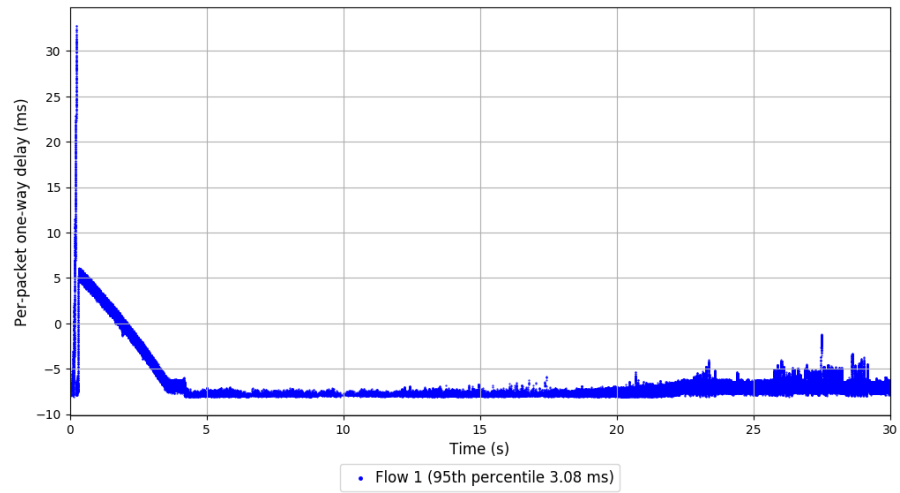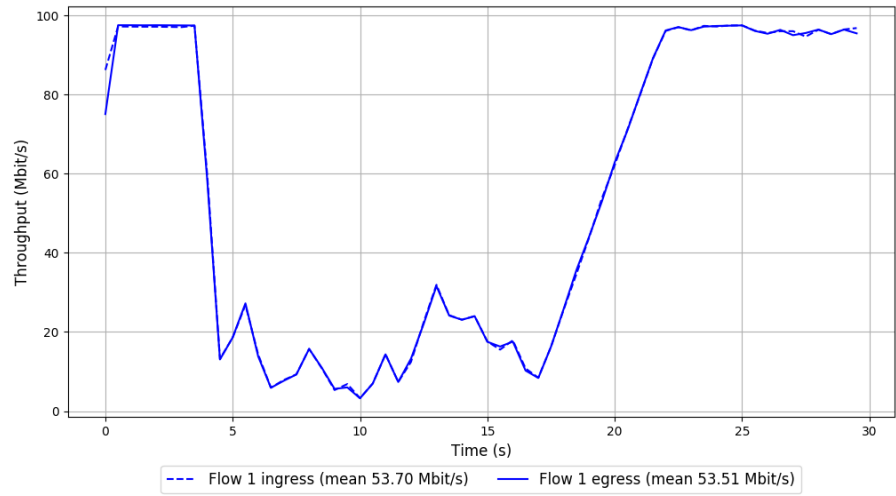
Run 2: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 96.69 Mbit/s)   Flow 1 egress (mean 96.53 Mbit/s)

Flow 1 (95th percentile -2.31 ms)

```
Run 3: Statistics of TCP Vegas

Start at: 2017-11-21 07:48:28
End at: 2017-11-21 07:48:58
Local clock offset: 0.719 ms
Remote clock offset: -19.216 ms


# Below is generated by plot.py at 2017-11-21 13:10:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: -0.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: -0.229 ms
Loss rate: 0.00%
```
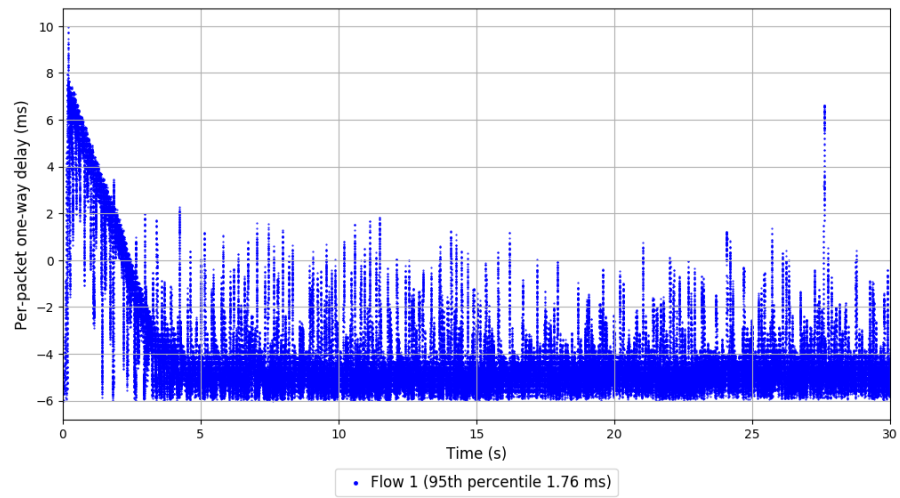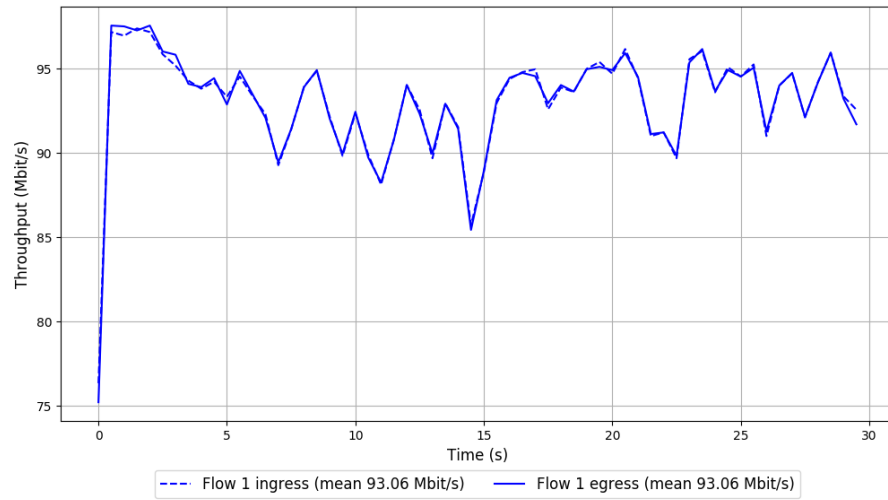
Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: 2017-11-21 08:06:57
End at: 2017-11-21 08:07:27
Local clock offset: 3.507 ms
Remote clock offset: -17.878 ms


# Below is generated by plot.py at 2017-11-21 13:10:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.51 Mbit/s
95th percentile per-packet one-way delay: 3.079 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 53.51 Mbit/s
95th percentile per-packet one-way delay: 3.079 ms
Loss rate: 0.35%
```
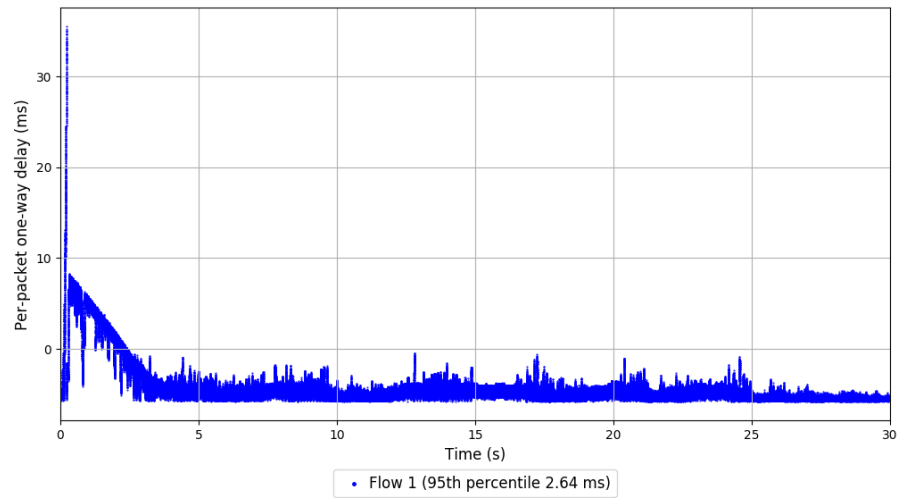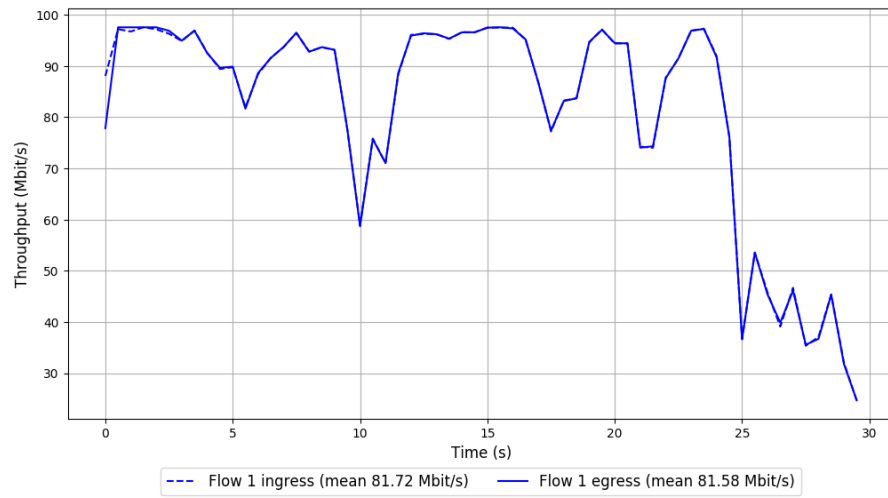
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: 2017-11-21 08:36:15
End at: 2017-11-21 08:36:45
Local clock offset: 2.683 ms
Remote clock offset: -18.625 ms


# Below is generated by plot.py at 2017-11-21 13:10:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 1.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 1.762 ms
Loss rate: 0.00%
```
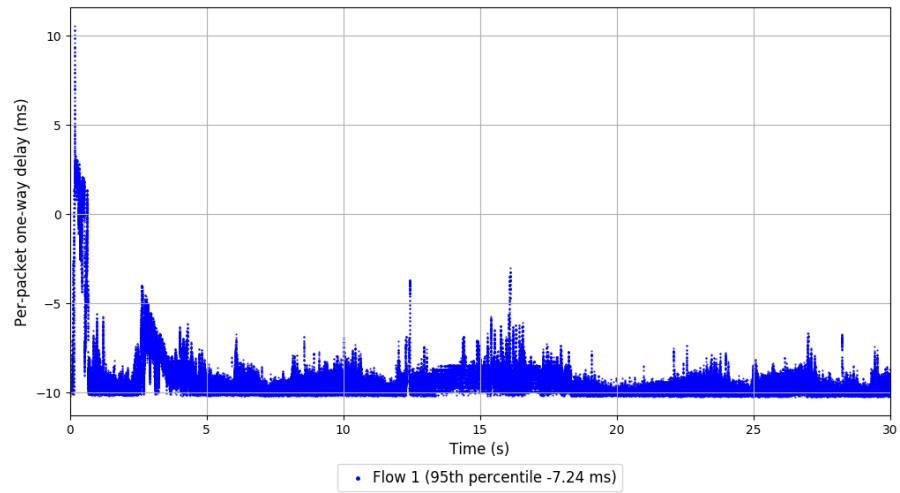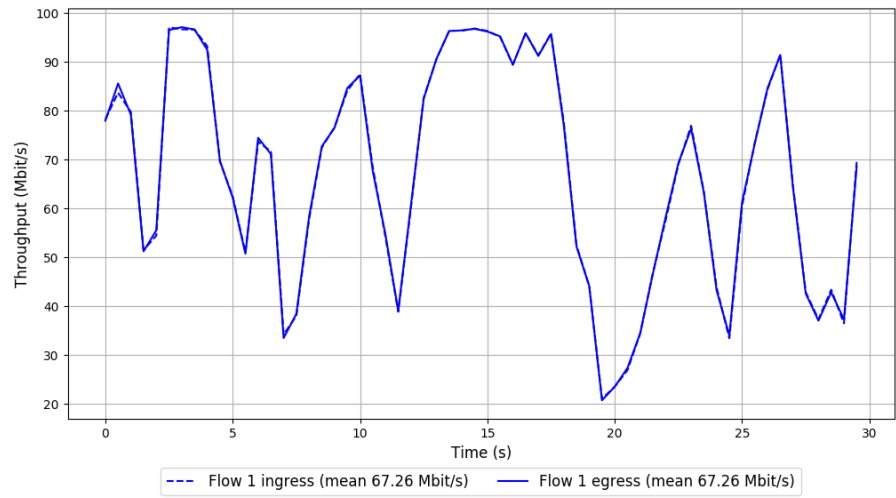
Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 93.06 Mbit/s) ---- Flow 1 egress (mean 93.06 Mbit/s)

Flow 1 (95th percentile 1.76 ms)

```
Run 6: Statistics of TCP Vegas

Start at: 2017-11-21 10:40:44
End at: 2017-11-21 10:41:14
Local clock offset: 1.949 ms
Remote clock offset: -14.392 ms


# Below is generated by plot.py at 2017-11-21 13:10:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 2.644 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 2.644 ms
Loss rate: 0.18%
```

Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 81.72 Mbit/s) --- Flow 1 egress (mean 81.58 Mbit/s)

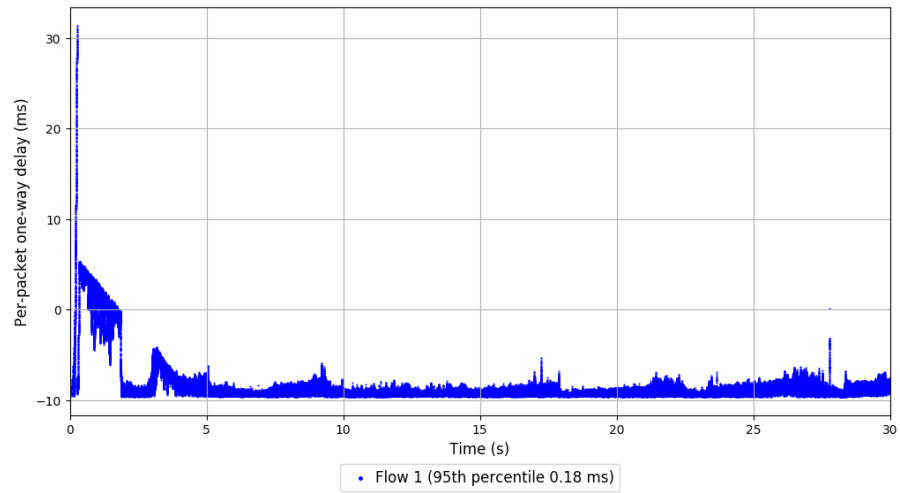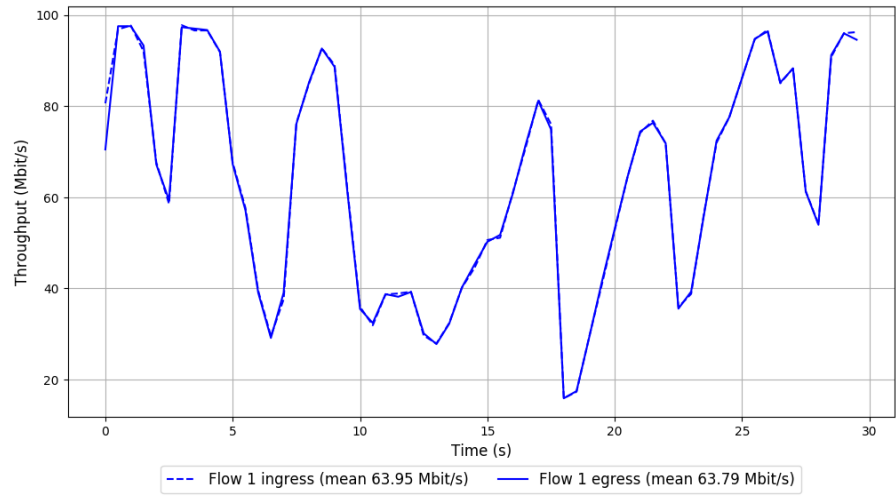
Flow 1 (95th percentile 2.64 ms)

```
Run 7: Statistics of TCP Vegas

Start at: 2017-11-21 11:04:26
End at: 2017-11-21 11:04:56
Local clock offset: 3.581 ms
Remote clock offset: -15.858 ms

# Below is generated by plot.py at 2017-11-21 13:10:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.26 Mbit/s
95th percentile per-packet one-way delay: -7.240 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.26 Mbit/s
95th percentile per-packet one-way delay: -7.240 ms
Loss rate: 0.00%
```
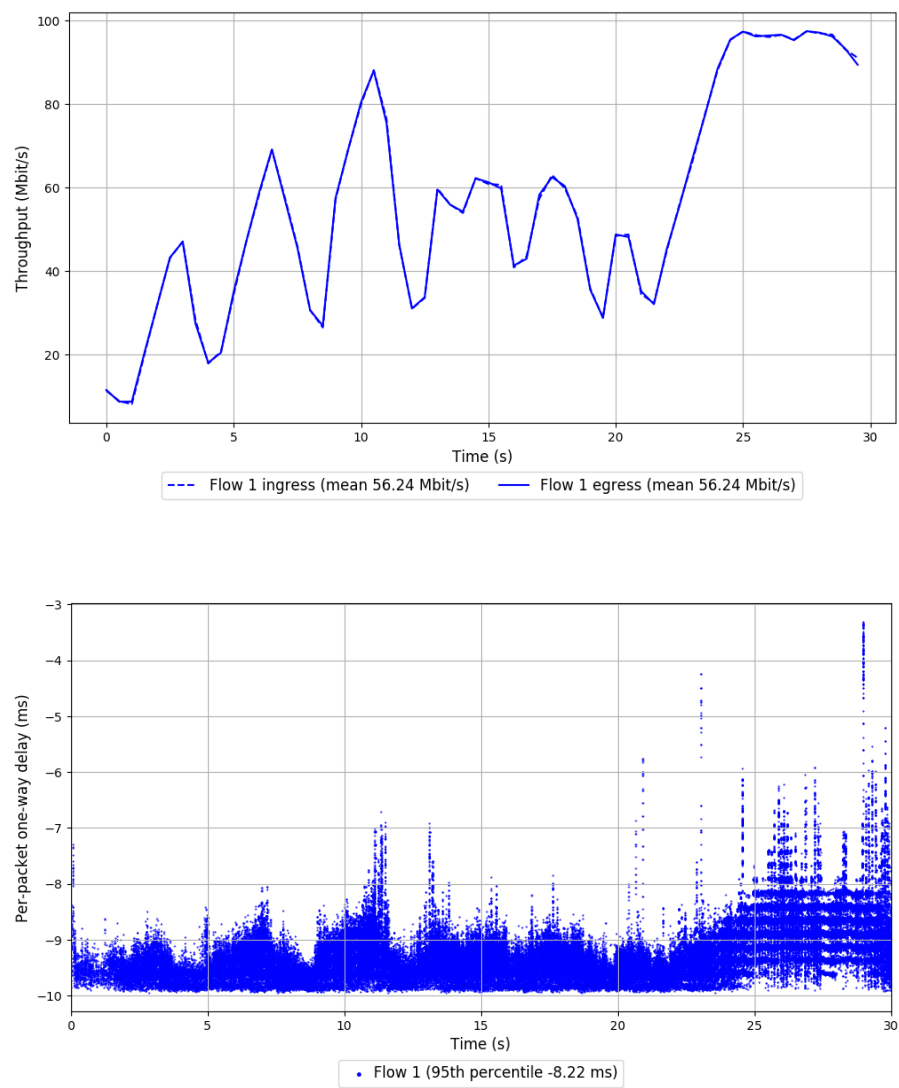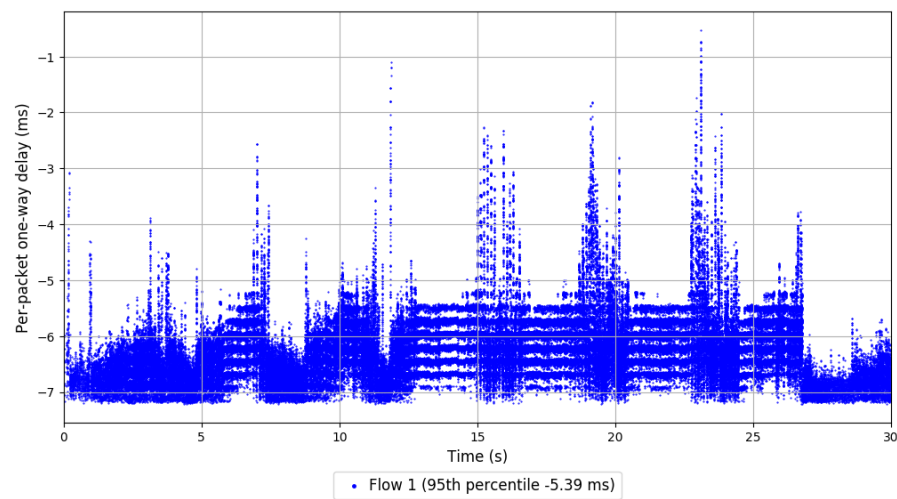
Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: 2017-11-21 11:26:42
End at: 2017-11-21 11:27:12
Local clock offset: 0.906 ms
Remote clock offset: -16.783 ms


# Below is generated by plot.py at 2017-11-21 13:10:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.79 Mbit/s
95th percentile per-packet one-way delay: 0.180 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 63.79 Mbit/s
95th percentile per-packet one-way delay: 0.180 ms
Loss rate: 0.25%
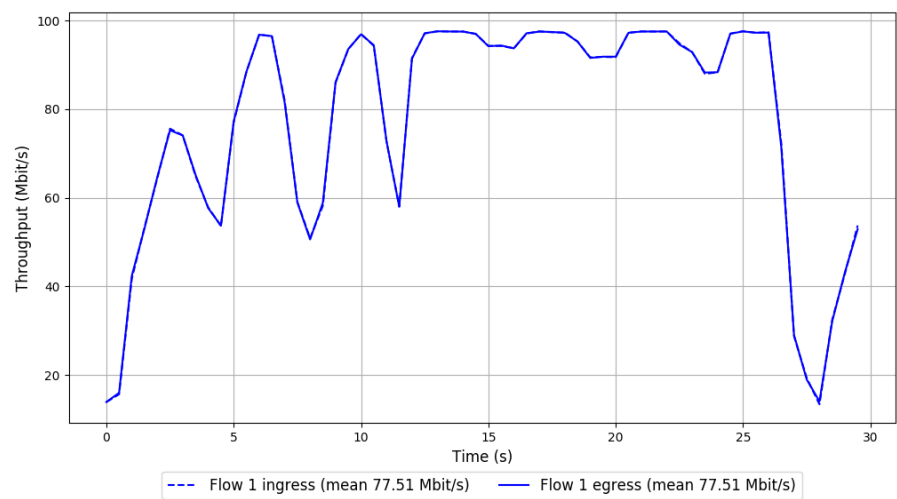```

## Run 8: Report of TCP Vegas — Data Link





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```
Run 9: Statistics of TCP Vegas

Start at: 2017-11-21 12:07:45
End at: 2017-11-21 12:08:15
Local clock offset: 3.428 ms
Remote clock offset: -14.906 ms

Below is generated by plot.py at 2017-11-21 13:10:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: -8.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.24 Mbit/s
95th percentile per-packet one-way delay: -8.219 ms
Loss rate: 0.00%
```
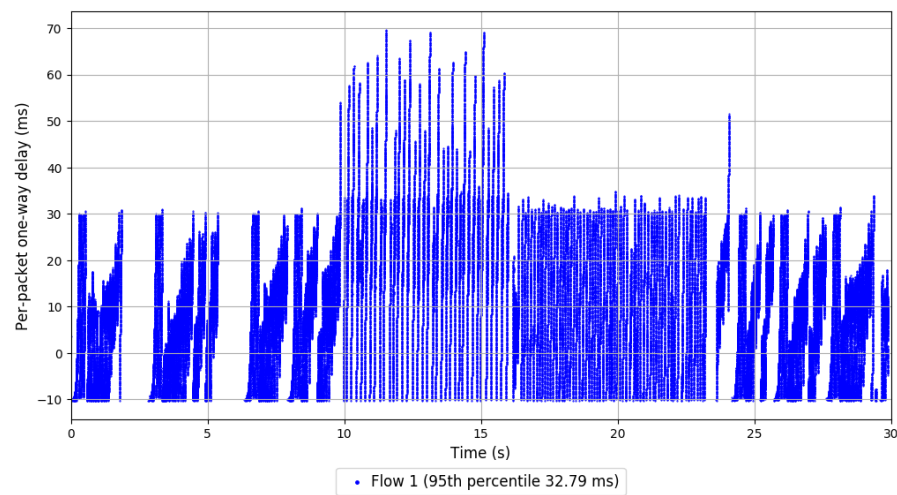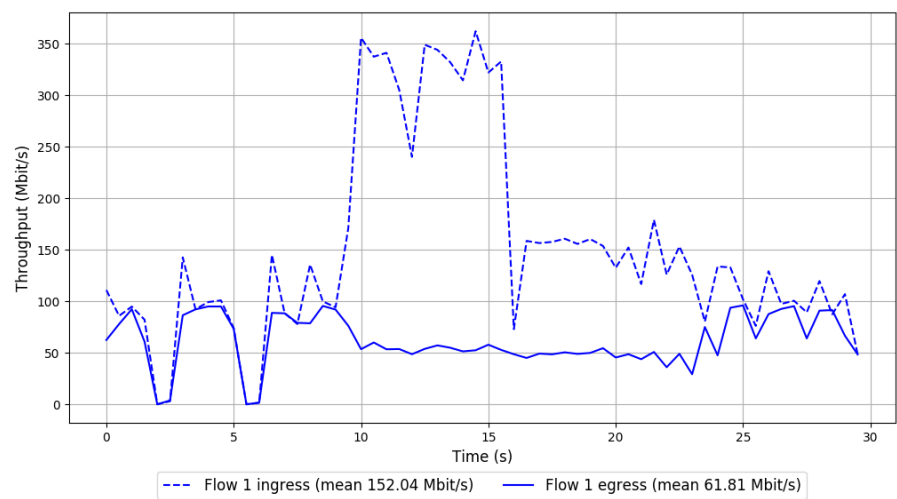
Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: 2017-11-21 12:30:26
End at: 2017-11-21 12:30:56
Local clock offset: -0.689 ms
Remote clock offset: -16.836 ms

Below is generated by plot.py at 2017-11-21 13:11:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 77.51 Mbit/s
95th percentile per-packet one-way delay: -5.388 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.51 Mbit/s
95th percentile per-packet one-way delay: -5.388 ms
Loss rate: 0.00%
```
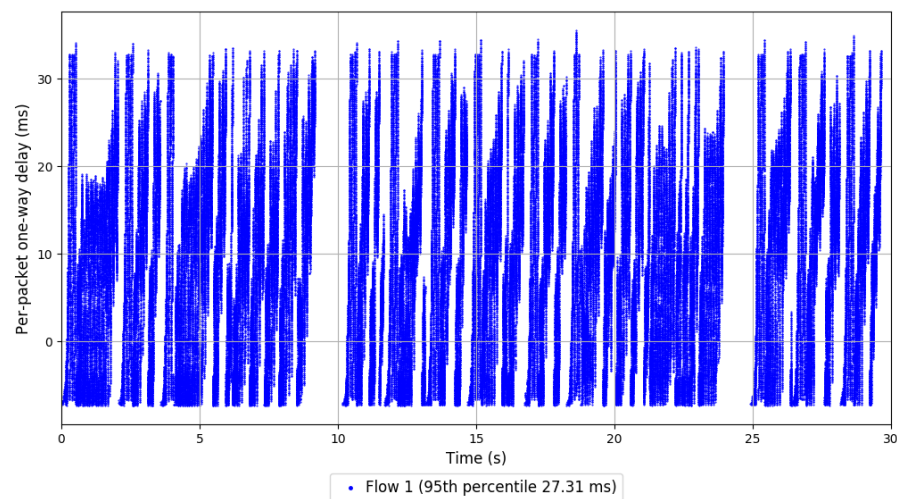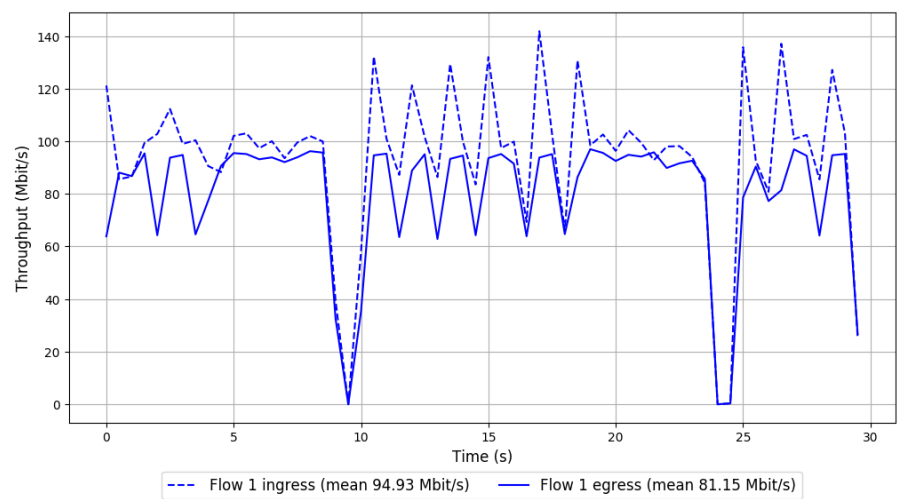
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2017-11-21 07:07:19
End at: 2017-11-21 07:07:49
Local clock offset: 1.953 ms
Remote clock offset: -18.441 ms

Below is generated by plot.py at 2017-11-21 13:11:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 32.786 ms
Loss rate: 59.35%
-- Flow 1:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 32.786 ms
Loss rate: 59.35%
```
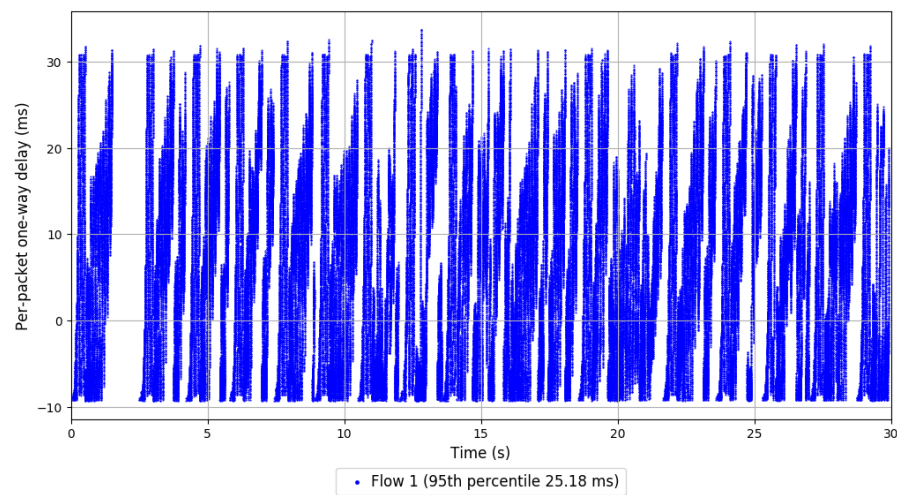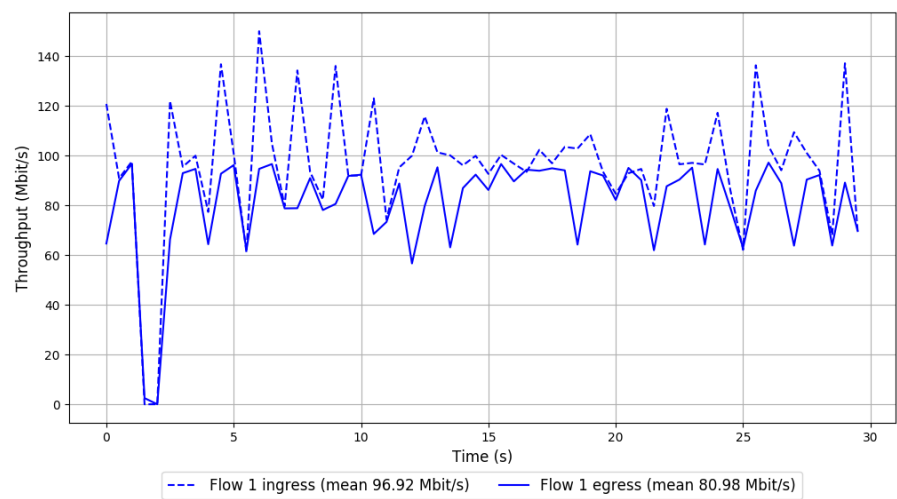
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: 2017-11-21 07:26:02
End at: 2017-11-21 07:26:32
Local clock offset: -1.191 ms
Remote clock offset: -19.517 ms

Below is generated by plot.py at 2017-11-21 13:11:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.15 Mbit/s
95th percentile per-packet one-way delay: 27.313 ms
Loss rate: 14.46%
-- Flow 1:
Average throughput: 81.15 Mbit/s
95th percentile per-packet one-way delay: 27.313 ms
Loss rate: 14.46%
```
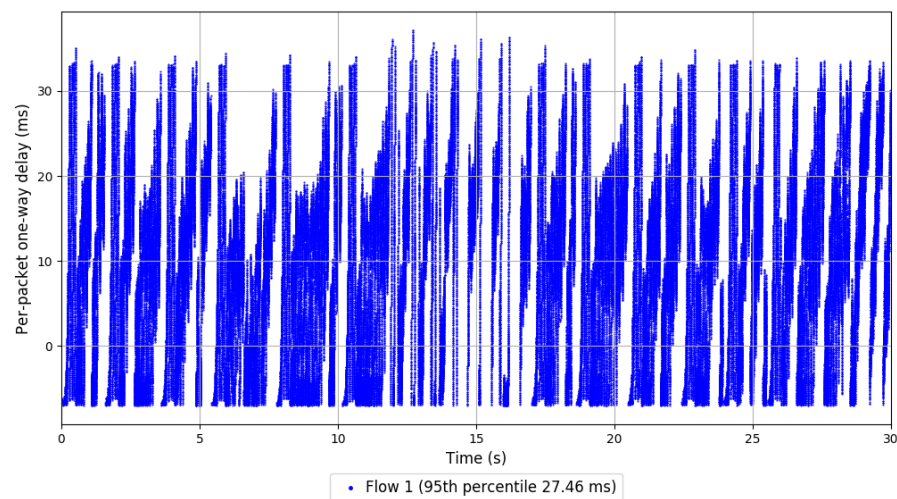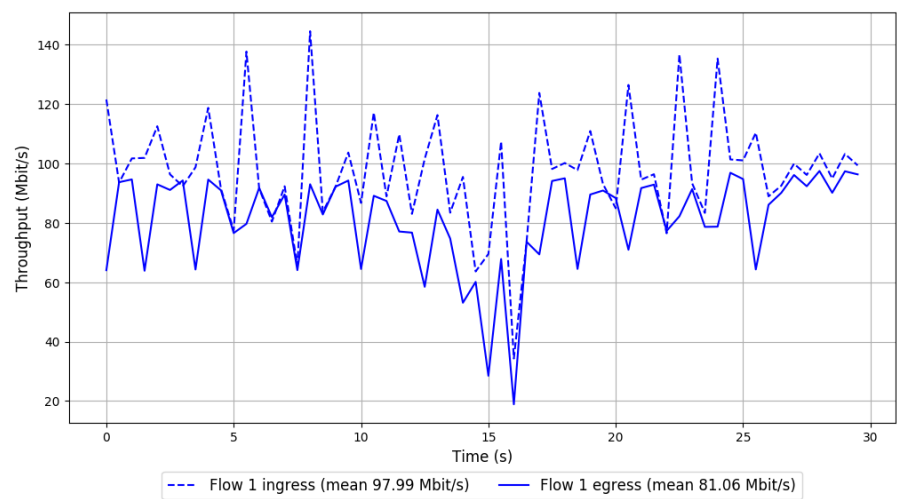
Run 2: Report of Verus — Data Link



Flow 1 ingress (mean 94.93 Mbit/s)    Flow 1 egress (mean 81.15 Mbit/s)



• Flow 1 (95th percentile 27.31 ms)

```
Run 3: Statistics of Verus

Start at: 2017-11-21 07:43:08
End at: 2017-11-21 07:43:38
Local clock offset: 2.201 ms
Remote clock offset: -18.856 ms

Below is generated by plot.py at 2017-11-21 13:11:41
Datalink statistics
-- Total of 1 flow:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 25.180 ms
Loss rate: 16.36%
-- Flow 1:
Average throughput: 80.98 Mbit/s
95th percentile per-packet one-way delay: 25.180 ms
Loss rate: 16.36%
```
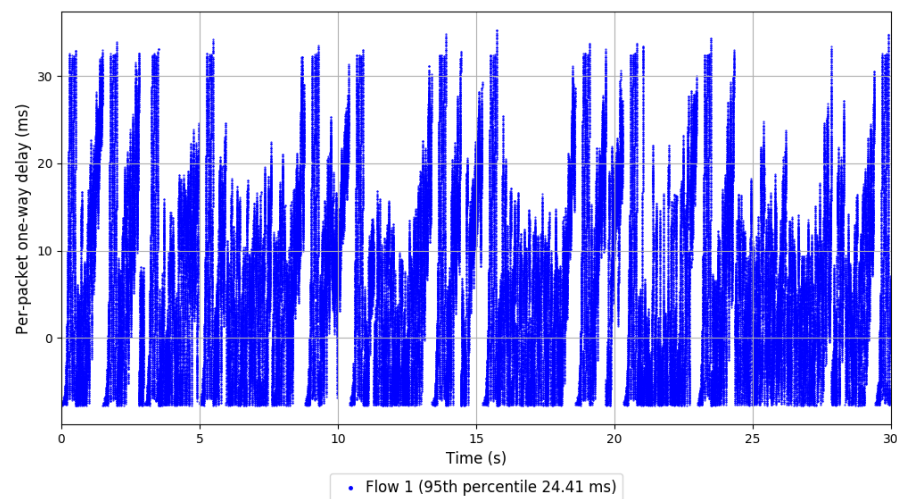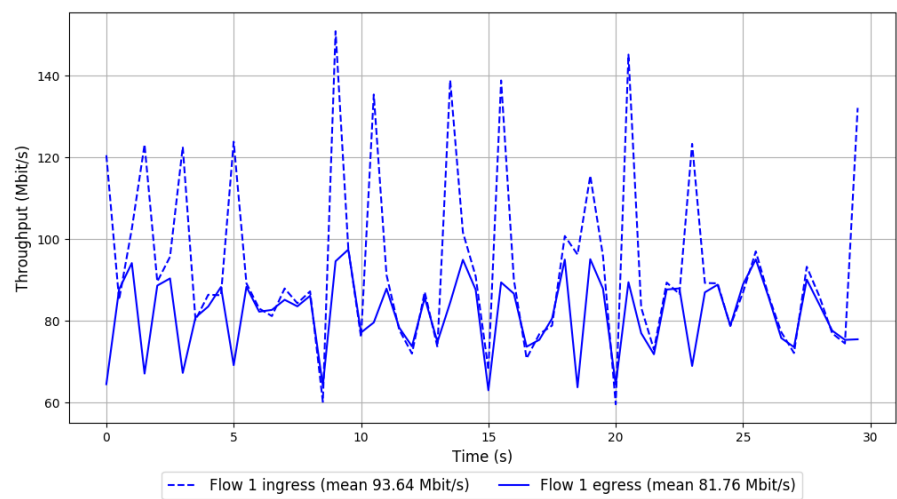
Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: 2017-11-21 08:03:19
End at: 2017-11-21 08:03:49
Local clock offset: 1.525 ms
Remote clock offset: -18.536 ms

Below is generated by plot.py at 2017-11-21 13:11:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.06 Mbit/s
95th percentile per-packet one-way delay: 27.460 ms
Loss rate: 17.20%
-- Flow 1:
Average throughput: 81.06 Mbit/s
95th percentile per-packet one-way delay: 27.460 ms
Loss rate: 17.20%
```
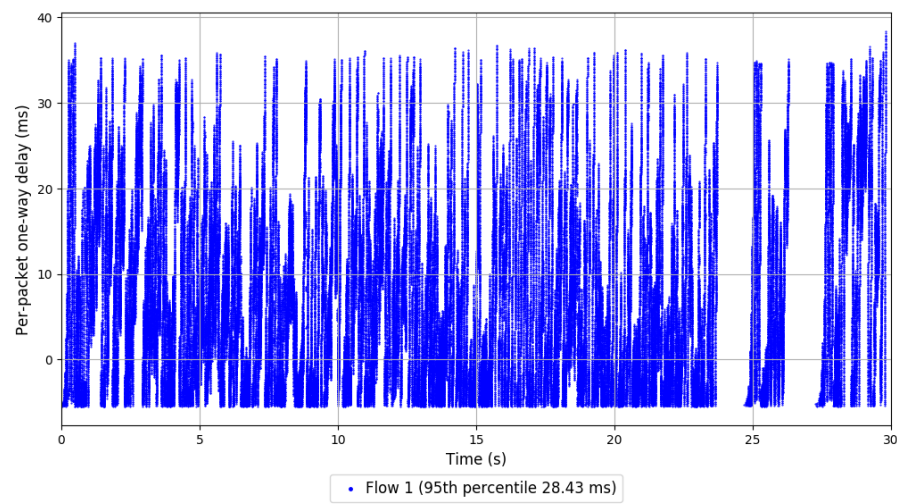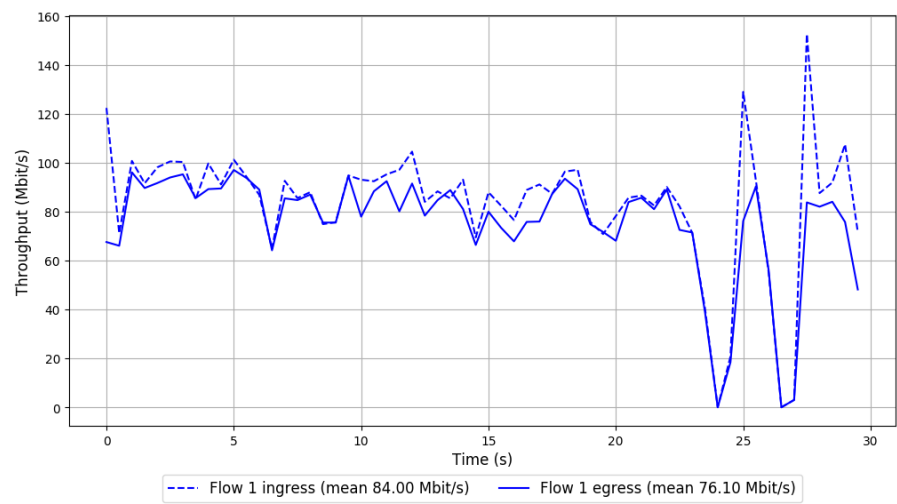
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2017-11-21 08:27:51
End at: 2017-11-21 08:28:21
Local clock offset: 4.19 ms
Remote clock offset: -18.325 ms


# Below is generated by plot.py at 2017-11-21 13:11:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.76 Mbit/s
95th percentile per-packet one-way delay: 24.410 ms
Loss rate: 12.65%
-- Flow 1:
Average throughput: 81.76 Mbit/s
95th percentile per-packet one-way delay: 24.410 ms
Loss rate: 12.65%
```

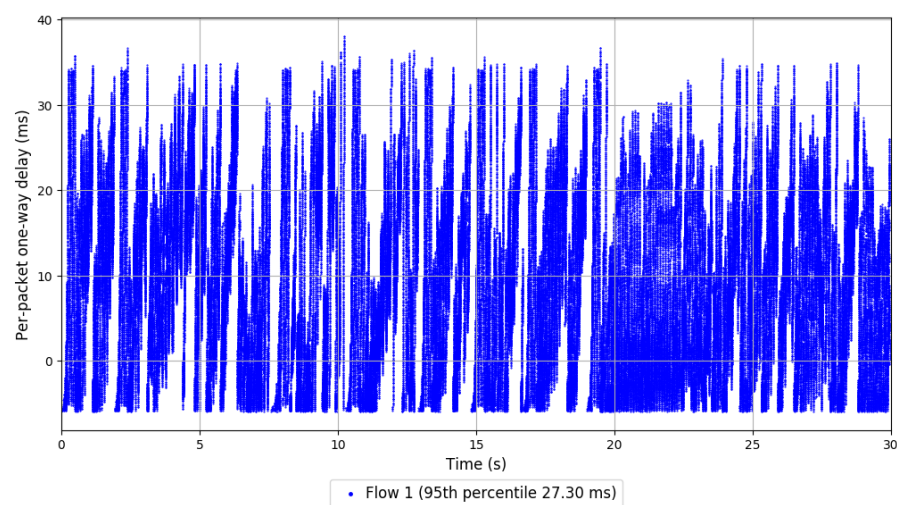Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2017-11-21 10:17:52
End at: 2017-11-21 10:18:22
Local clock offset: 2.055 ms
Remote clock offset: -13.936 ms


# Below is generated by plot.py at 2017-11-21 13:11:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.10 Mbit/s
95th percentile per-packet one-way delay: 28.434 ms
Loss rate: 9.31%
-- Flow 1:
Average throughput: 76.10 Mbit/s
95th percentile per-packet one-way delay: 28.434 ms
Loss rate: 9.31%
```

Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 84.00 Mbit/s) — Flow 1 egress (mean 76.10 Mbit/s)

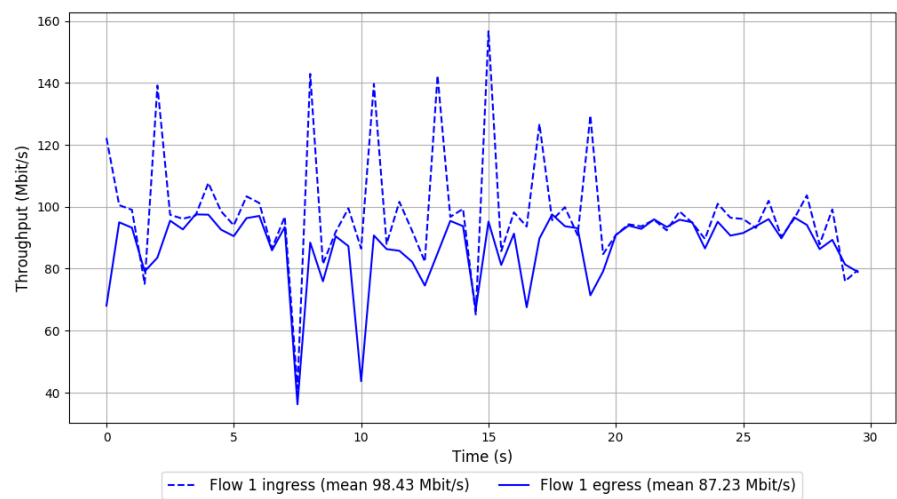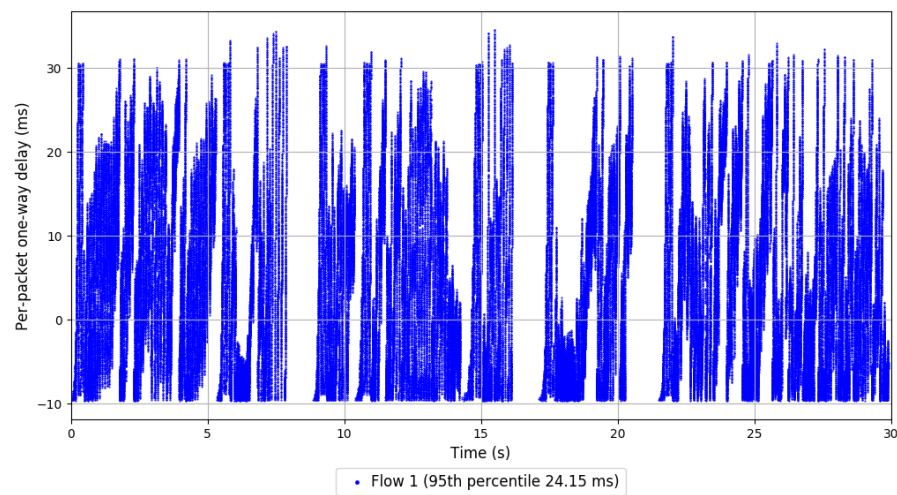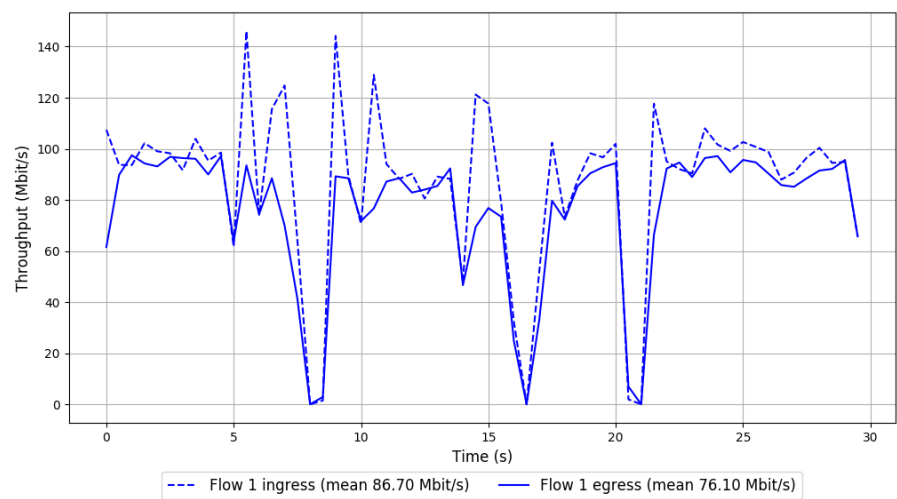· Flow 1 (95th percentile 28.43 ms)

```
Run 7: Statistics of Verus

Start at: 2017-11-21 10:58:19
End at: 2017-11-21 10:58:49
Local clock offset: 1.376 ms
Remote clock offset: -14.226 ms


# Below is generated by plot.py at 2017-11-21 13:12:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 27.304 ms
Loss rate: 11.36%
-- Flow 1:
Average throughput: 87.23 Mbit/s
95th percentile per-packet one-way delay: 27.304 ms
Loss rate: 11.36%
```
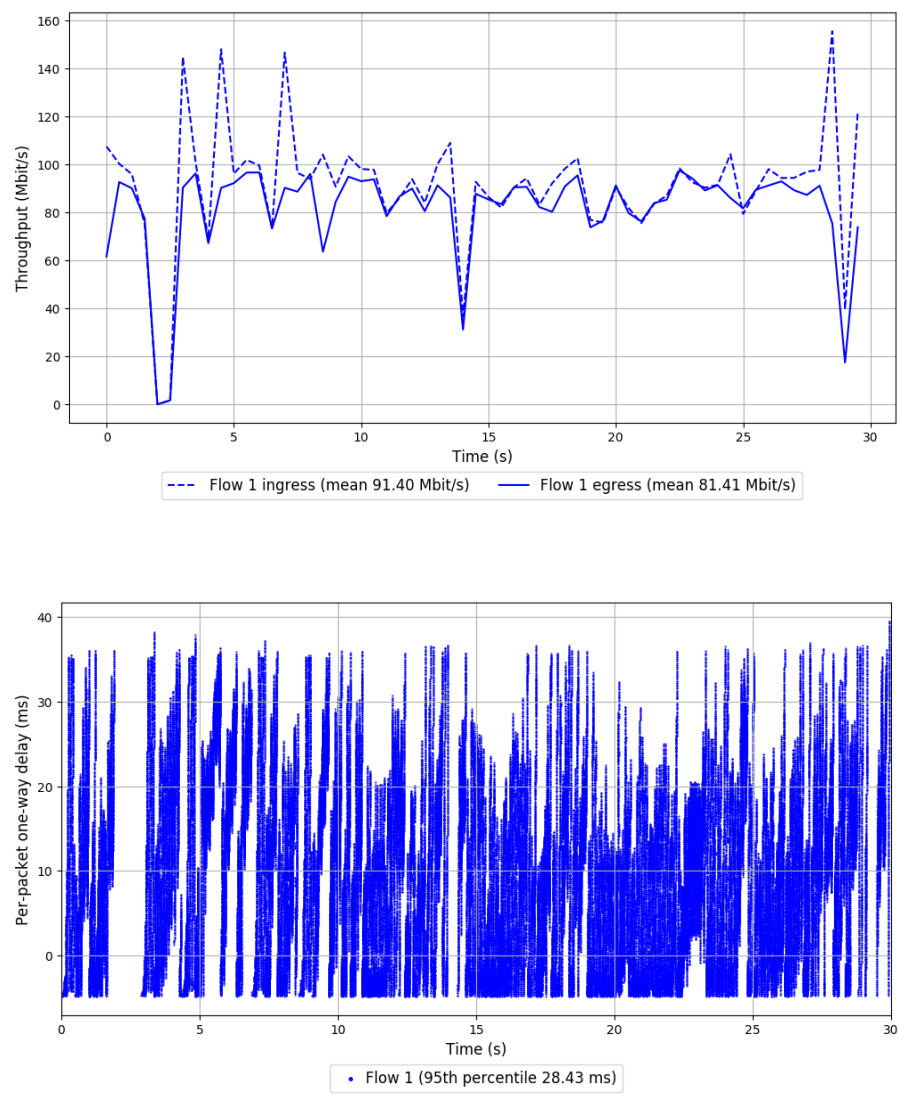
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2017-11-21 11:21:08
End at: 2017-11-21 11:21:38
Local clock offset: 2.961 ms
Remote clock offset: -14.883 ms


# Below is generated by plot.py at 2017-11-21 13:12:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.10 Mbit/s
95th percentile per-packet one-way delay: 24.146 ms
Loss rate: 12.22%
-- Flow 1:
Average throughput: 76.10 Mbit/s
95th percentile per-packet one-way delay: 24.146 ms
Loss rate: 12.22%
```
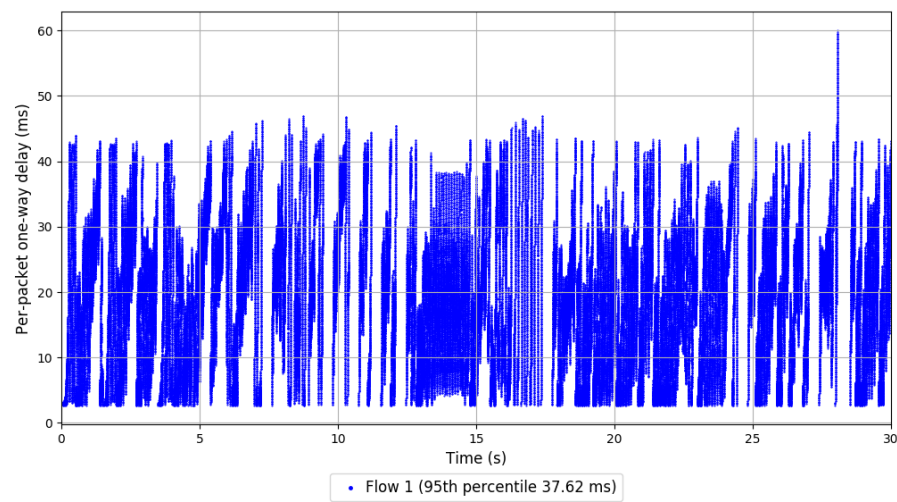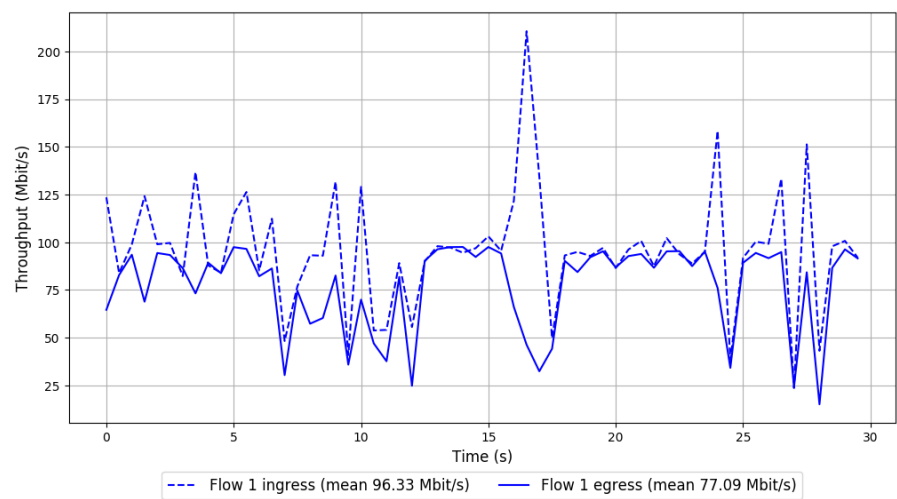
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: 2017-11-21 12:02:29
End at: 2017-11-21 12:02:59
Local clock offset: -1.057 ms
Remote clock offset: -14.303 ms


# Below is generated by plot.py at 2017-11-21 13:12:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 28.432 ms
Loss rate: 10.89%
-- Flow 1:
Average throughput: 81.41 Mbit/s
95th percentile per-packet one-way delay: 28.432 ms
Loss rate: 10.89%
```

Run 9: Report of Verus — Data Link
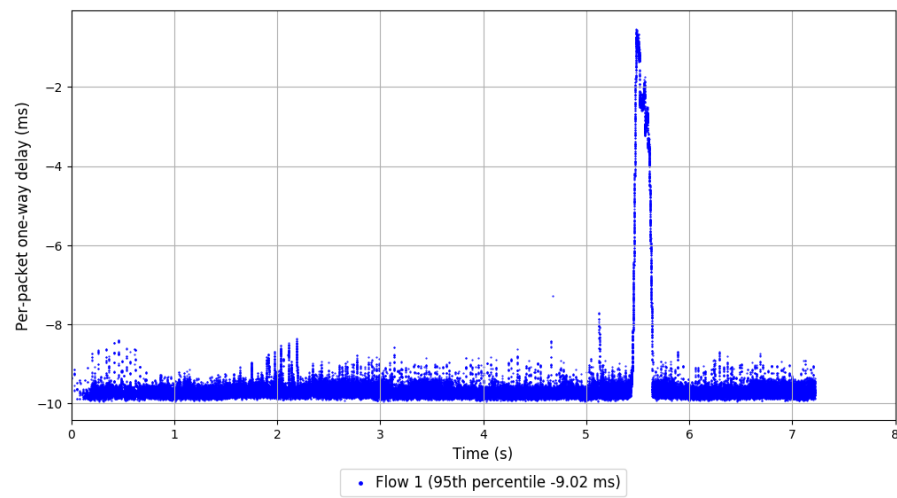
```
Run 10: Statistics of Verus

Start at: 2017-11-21 12:25:28
End at: 2017-11-21 12:25:59
Local clock offset: 2.744 ms
Remote clock offset: -3.512 ms


# Below is generated by plot.py at 2017-11-21 13:12:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.09 Mbit/s
95th percentile per-packet one-way delay: 37.618 ms
Loss rate: 19.94%
-- Flow 1:
Average throughput: 77.09 Mbit/s
95th percentile per-packet one-way delay: 37.618 ms
Loss rate: 19.94%
```

Run 10: Report of Verus — Data Link

Flow 1 ingress (mean 96.33 Mbit/s)   Flow 1 egress (mean 77.09 Mbit/s)

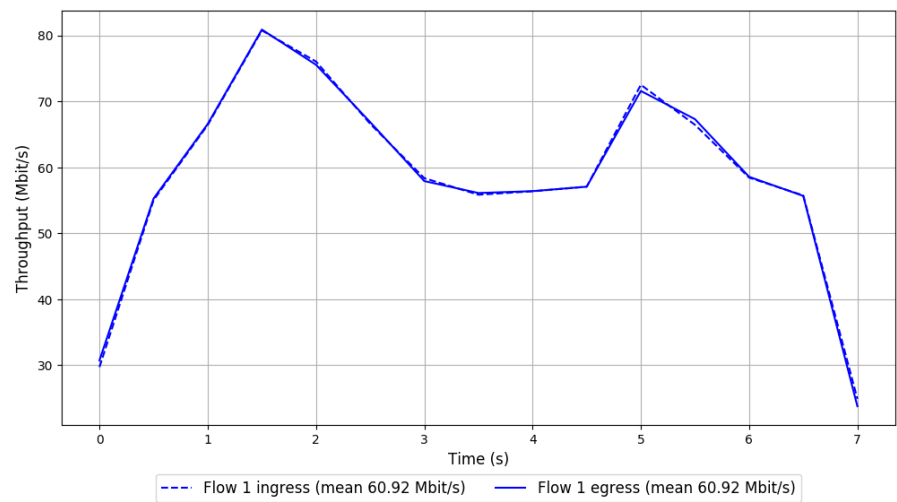Flow 1 (95th percentile 37.62 ms)
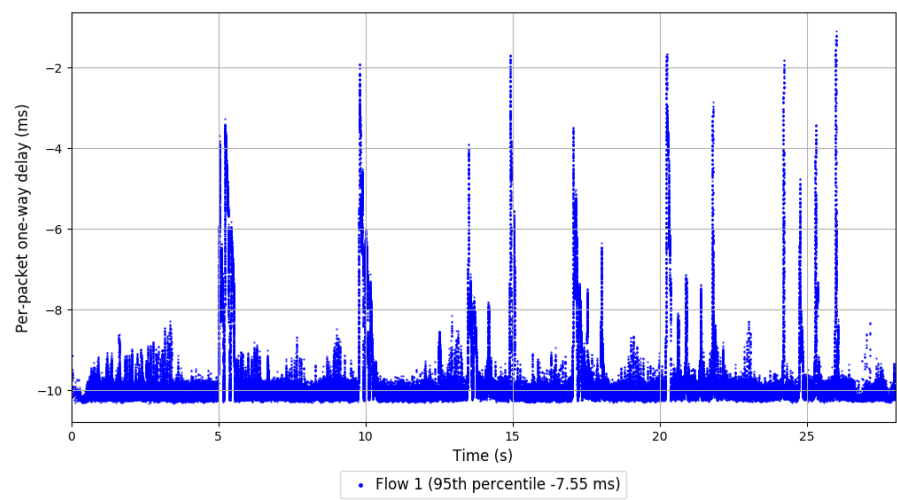
Run 1: Statistics of Copa

Start at: 2017-11-21 07:10:00
End at: 2017-11-21 07:10:30
Local clock offset: 2.203 ms
Remote clock offset: -17.908 ms

Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2017-11-21 07:28:28
End at: 2017-11-21 07:28:58
Local clock offset: 3.697 ms
Remote clock offset: -18.7 ms
```

Run 2: Report of Copa — Data Link
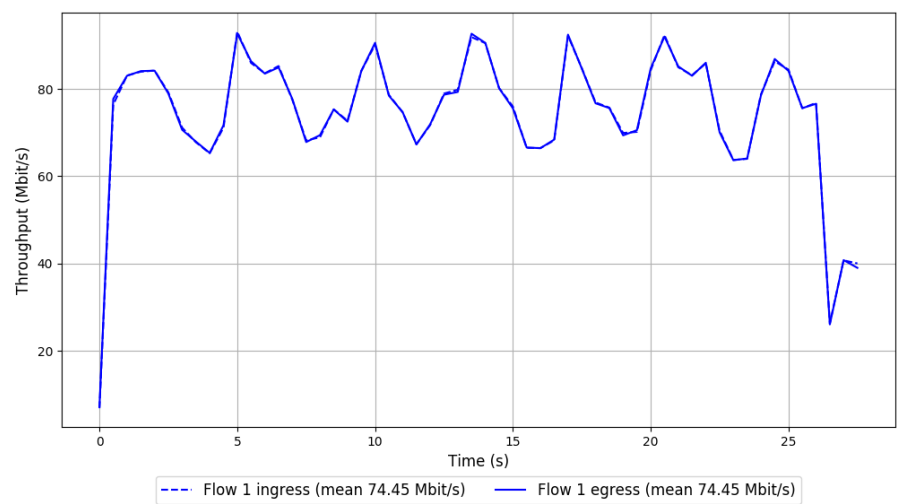
Figure is missing

Figure is missing

```
Run 3: Statistics of Copa

Start at: 2017-11-21 07:46:50
End at: 2017-11-21 07:47:20
Local clock offset: 2.057 ms
Remote clock offset: -20.269 ms


# Below is generated by plot.py at 2017-11-21 13:13:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.45 Mbit/s
95th percentile per-packet one-way delay: -7.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 74.45 Mbit/s
95th percentile per-packet one-way delay: -7.553 ms
Loss rate: 0.00%
```

Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 74.45 Mbit/s)　　Flow 1 egress (mean 74.45 Mbit/s)

• Flow 1 (95th percentile -7.55 ms)

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Run 4: Statistics of Copa

Start at: 2017-11-21 08:05:52
End at: 2017-11-21 08:06:22
Local clock offset: 1.054 ms
Remote clock offset: -19.198 ms

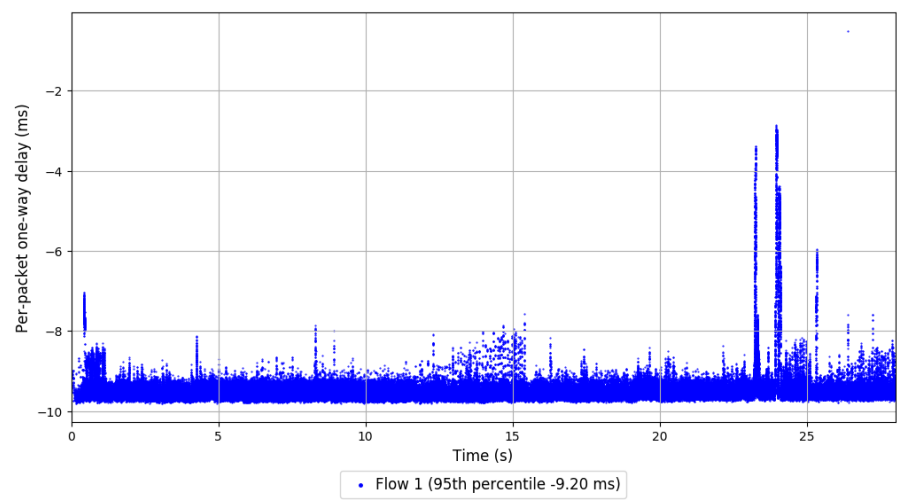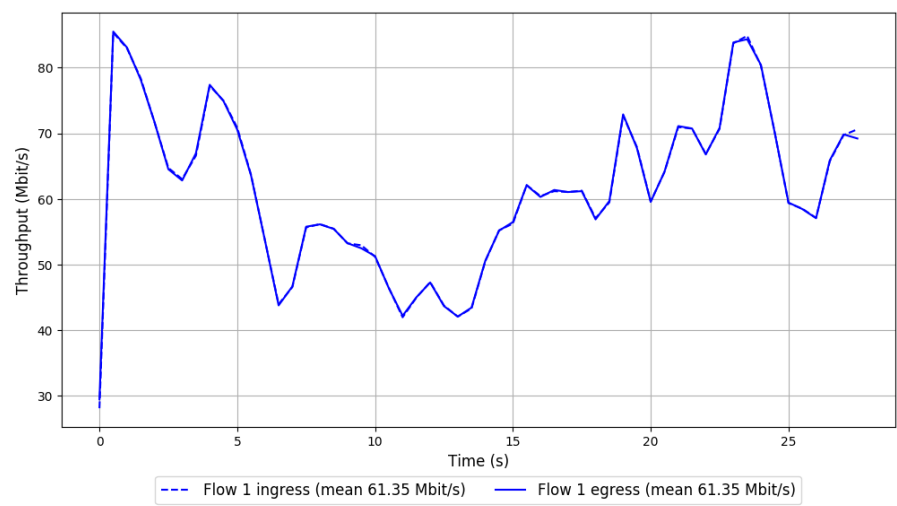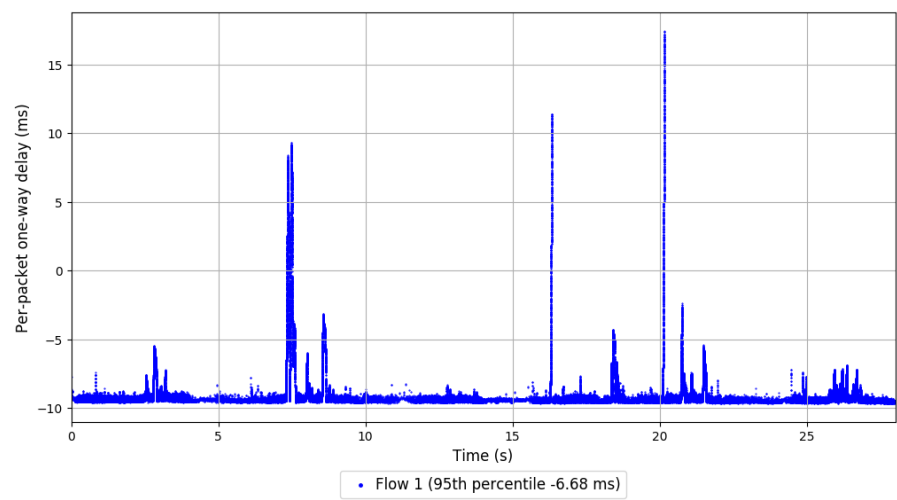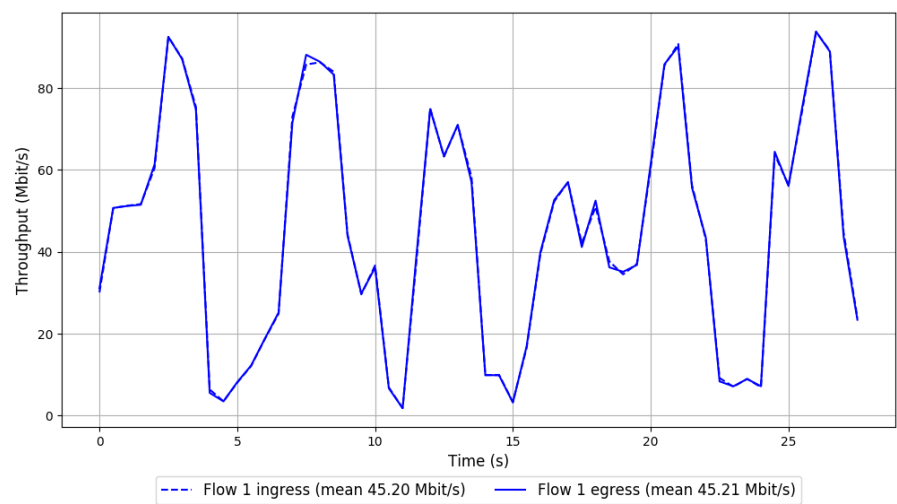Run 4: Report of Copa — Data Link

Figure is missing

Figure is missing

```
Run 5: Statistics of Copa

Start at: 2017-11-21 08:34:21
End at: 2017-11-21 08:34:51
Local clock offset: 5.975 ms
Remote clock offset: -19.005 ms


# Below is generated by plot.py at 2017-11-21 13:13:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.35 Mbit/s
95th percentile per-packet one-way delay: -9.203 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.35 Mbit/s
95th percentile per-packet one-way delay: -9.203 ms
Loss rate: 0.00%
```
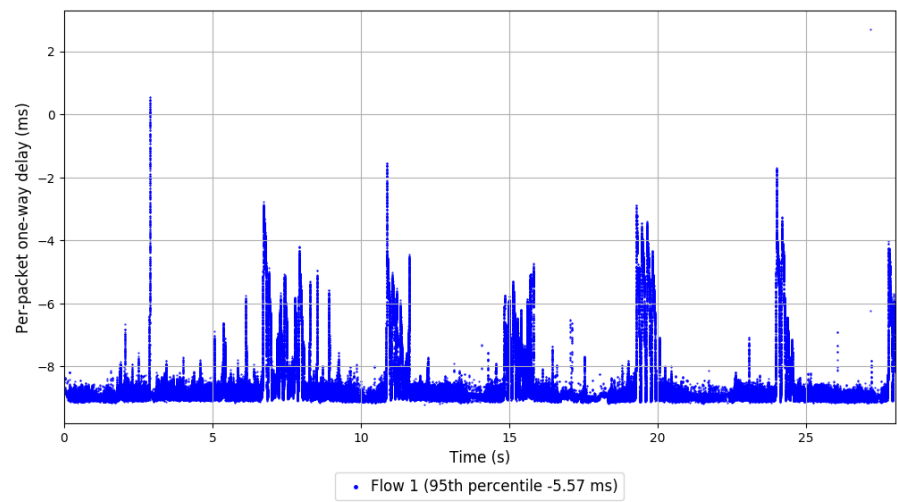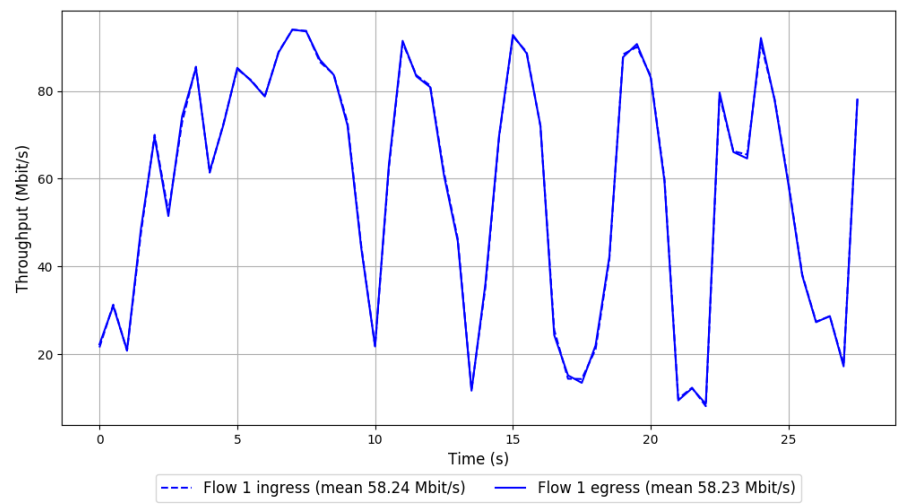
Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: 2017-11-21 10:39:11
End at: 2017-11-21 10:39:41
Local clock offset: 5.955 ms
Remote clock offset: -14.442 ms


# Below is generated by plot.py at 2017-11-21 13:13:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.21 Mbit/s
95th percentile per-packet one-way delay: -6.681 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.21 Mbit/s
95th percentile per-packet one-way delay: -6.681 ms
Loss rate: 0.00%
```
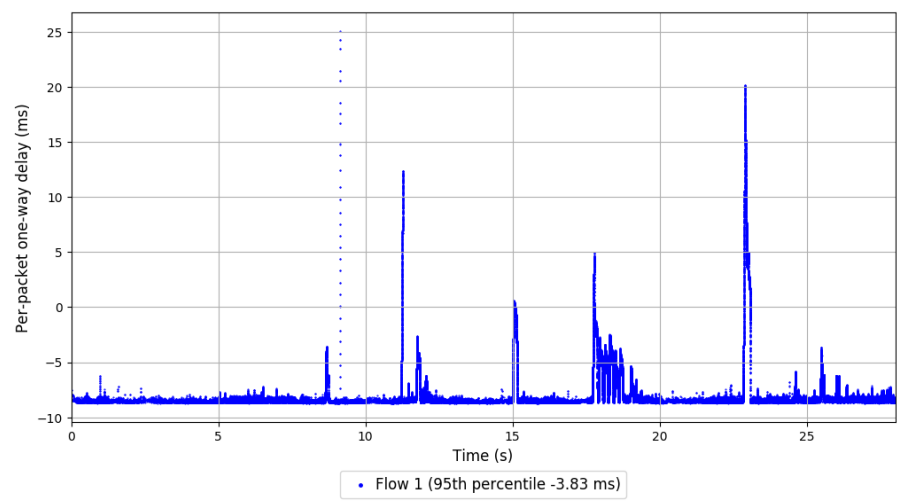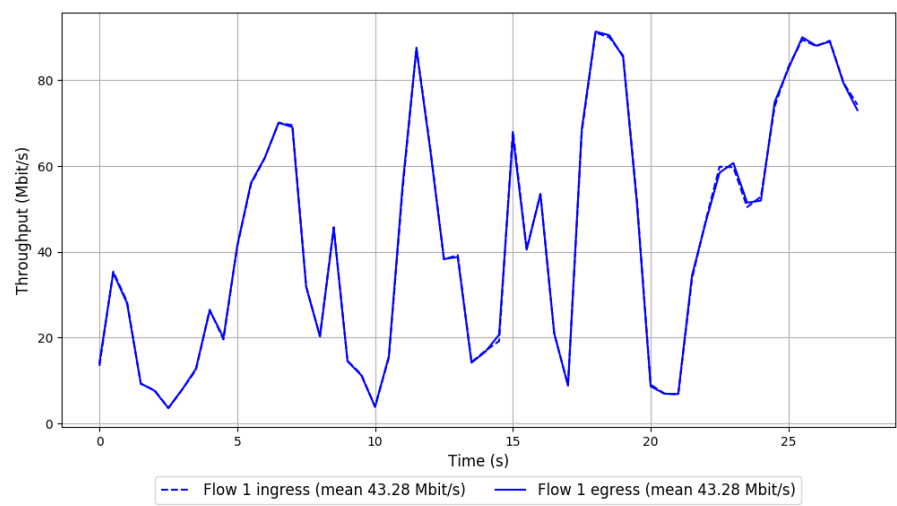
Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: 2017-11-21 11:01:21
End at: 2017-11-21 11:01:51
Local clock offset: 2.418 ms
Remote clock offset: -16.297 ms


# Below is generated by plot.py at 2017-11-21 13:13:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: -5.573 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 58.23 Mbit/s
95th percentile per-packet one-way delay: -5.573 ms
Loss rate: 0.02%
```

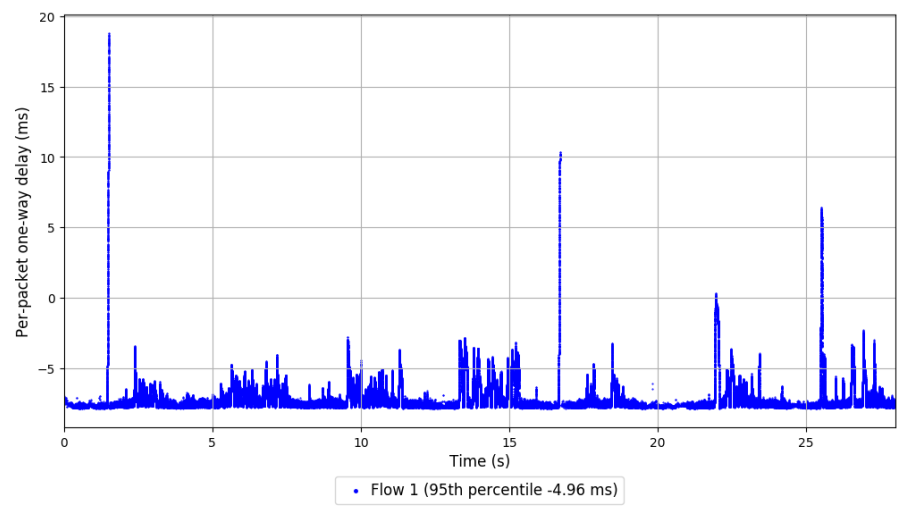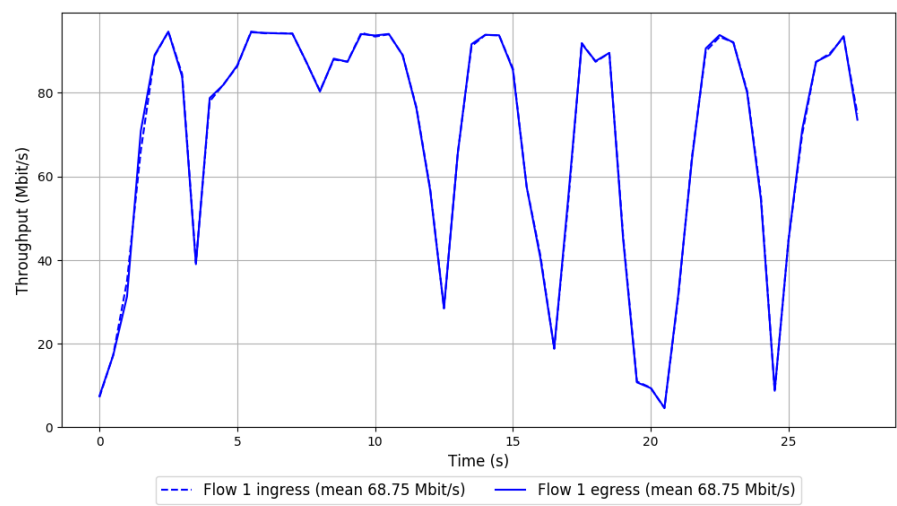# Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 58.24 Mbit/s) ---- Flow 1 egress (mean 58.23 Mbit/s) ——

Flow 1 (95th percentile -5.57 ms)

```
Run 8: Statistics of Copa

Start at: 2017-11-21 11:25:20
End at: 2017-11-21 11:25:50
Local clock offset: 1.194 ms
Remote clock offset: -15.615 ms


# Below is generated by plot.py at 2017-11-21 13:13:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.28 Mbit/s
95th percentile per-packet one-way delay: -3.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 43.28 Mbit/s
95th percentile per-packet one-way delay: -3.832 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2017-11-21 12:06:15
End at: 2017-11-21 12:06:45
Local clock offset: 0.822 ms
Remote clock offset: -15.418 ms


# Below is generated by plot.py at 2017-11-21 13:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.75 Mbit/s
95th percentile per-packet one-way delay: -4.963 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 68.75 Mbit/s
95th percentile per-packet one-way delay: -4.963 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: 2017-11-21 12:28:56
End at: 2017-11-21 12:29:26
Local clock offset: 1.87 ms
Remote clock offset: -16.73 ms


# Below is generated by plot.py at 2017-11-21 13:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: -7.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 54.70 Mbit/s
95th percentile per-packet one-way delay: -7.205 ms
Loss rate: 0.00%
```
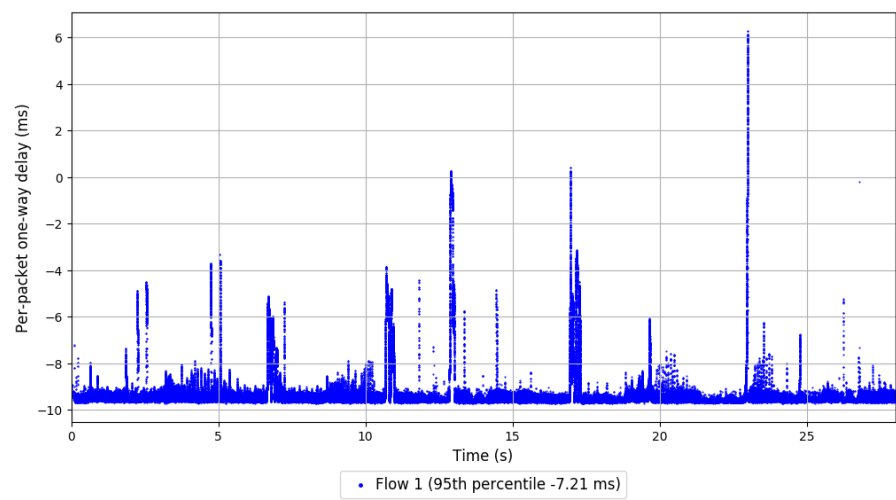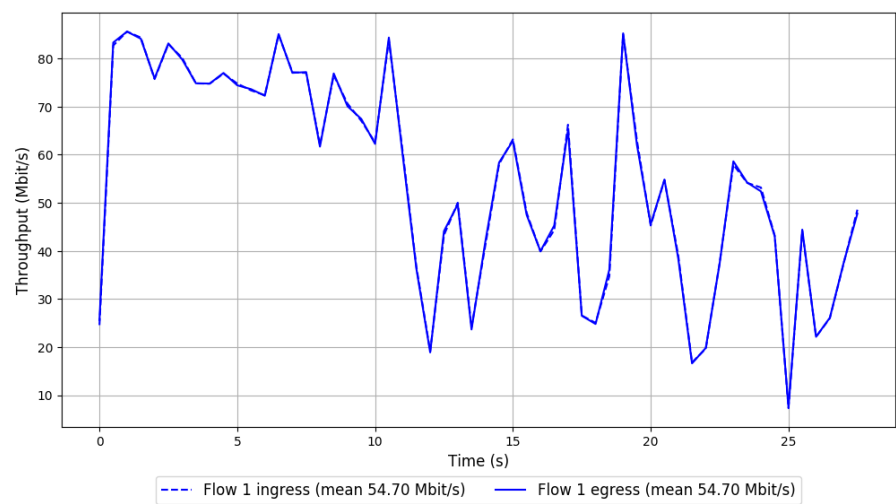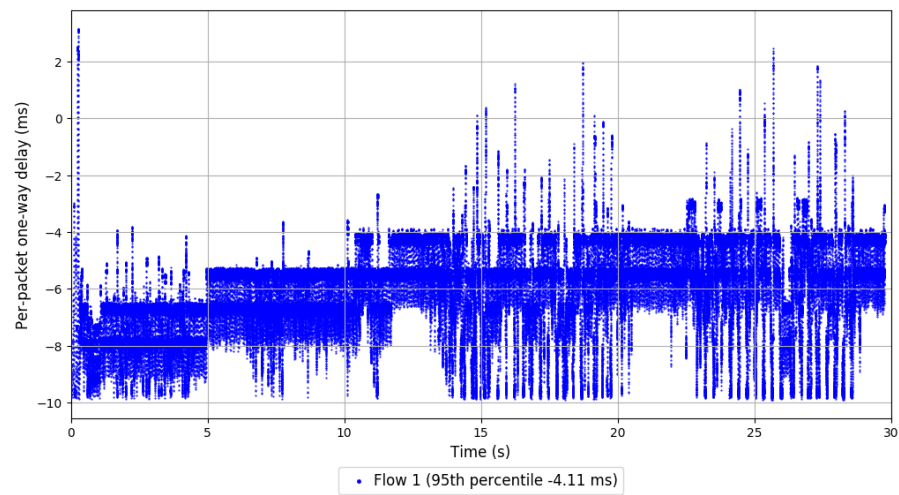
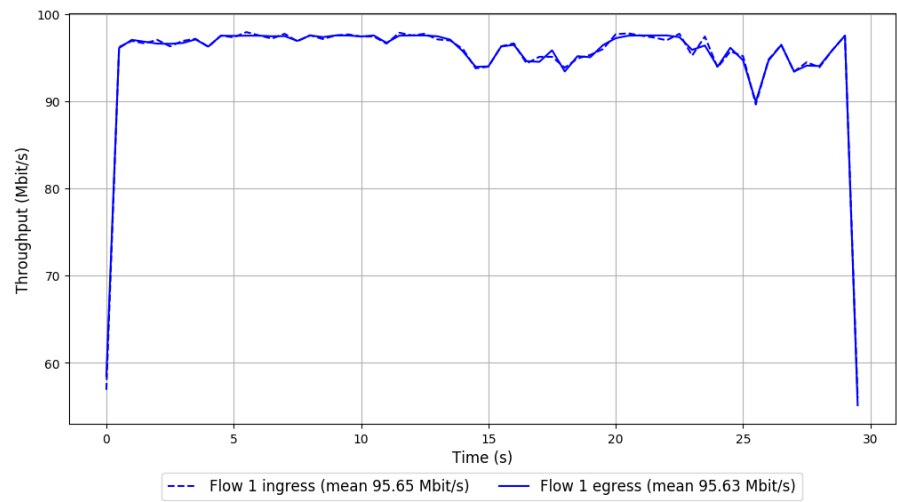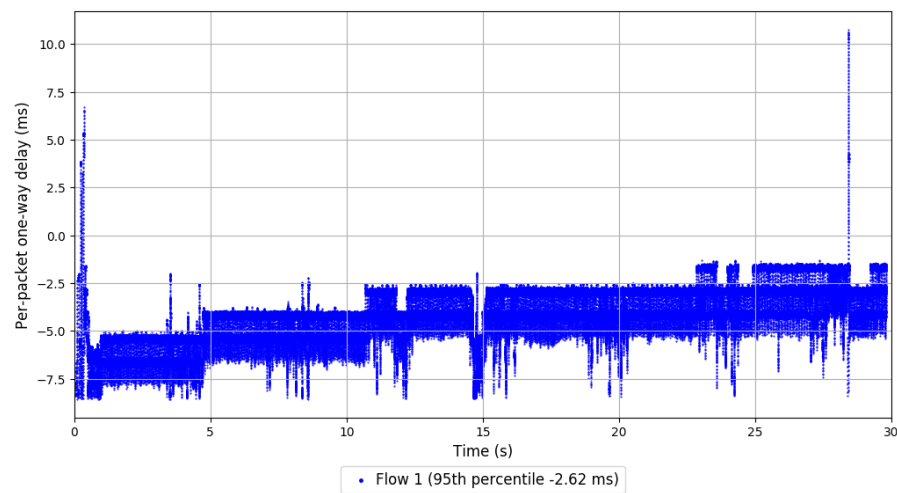Run 10: Report of Copa — Data Link

```
Run 1: Statistics of Indigo

Start at: 2017-11-21 07:12:24
End at: 2017-11-21 07:12:54
Local clock offset: 1.49 ms
Remote clock offset: -18.501 ms

# Below is generated by plot.py at 2017-11-21 13:14:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: -4.105 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.63 Mbit/s
95th percentile per-packet one-way delay: -4.105 ms
Loss rate: 0.00%
```

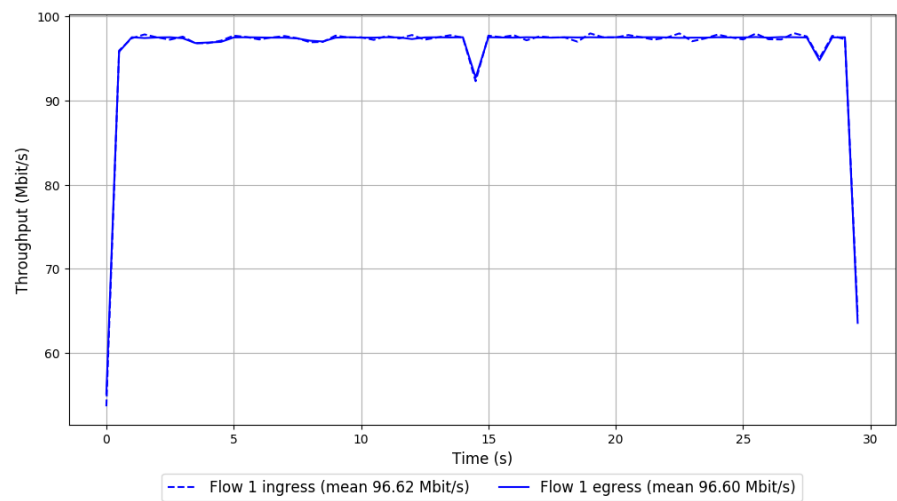Run 1: Report of Indigo — Data Link

```
Run 2: Statistics of Indigo

Start at: 2017-11-21 07:30:44
End at: 2017-11-21 07:31:14
Local clock offset: 1.826 ms
Remote clock offset: -18.143 ms

# Below is generated by plot.py at 2017-11-21 13:14:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: -2.623 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: -2.623 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo — Data Link

```
Run 3: Statistics of Indigo

Start at: 2017-11-21 07:49:41
End at: 2017-11-21 07:50:11
Local clock offset: 1.587 ms
Remote clock offset: -19.098 ms


# Below is generated by plot.py at 2017-11-21 13:14:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: -1.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: -1.457 ms
Loss rate: 0.00%
```
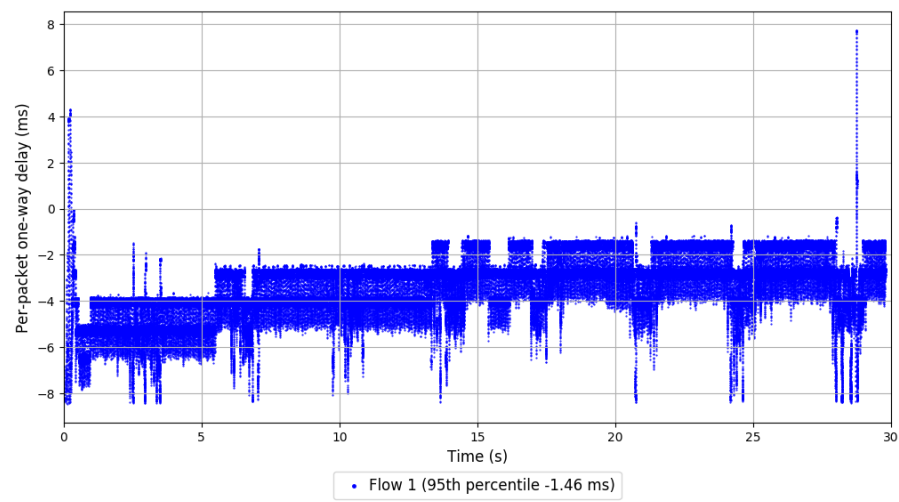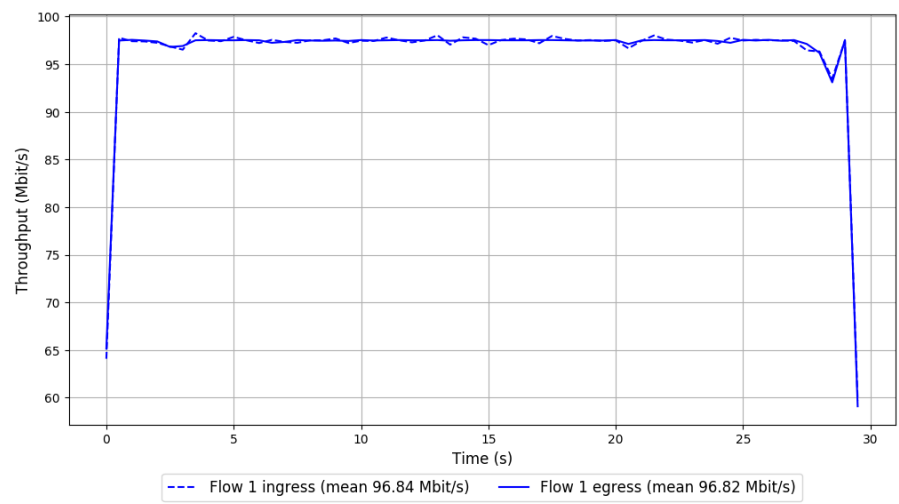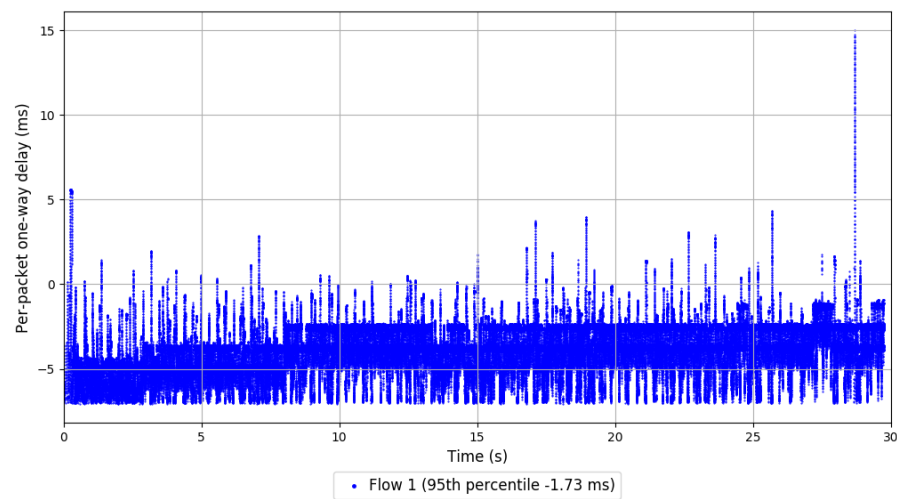
Run 3: Report of Indigo — Data Link

```
Run 4: Statistics of Indigo

Start at: 2017-11-21 08:08:07
End at: 2017-11-21 08:08:37
Local clock offset: 1.61 ms
Remote clock offset: -18.872 ms


# Below is generated by plot.py at 2017-11-21 13:14:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: -1.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.66 Mbit/s
95th percentile per-packet one-way delay: -1.729 ms
Loss rate: 0.00%
```
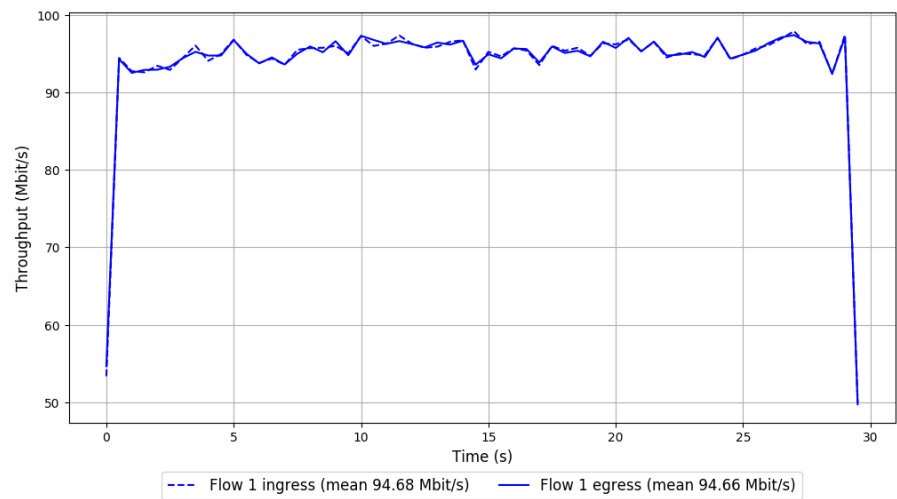
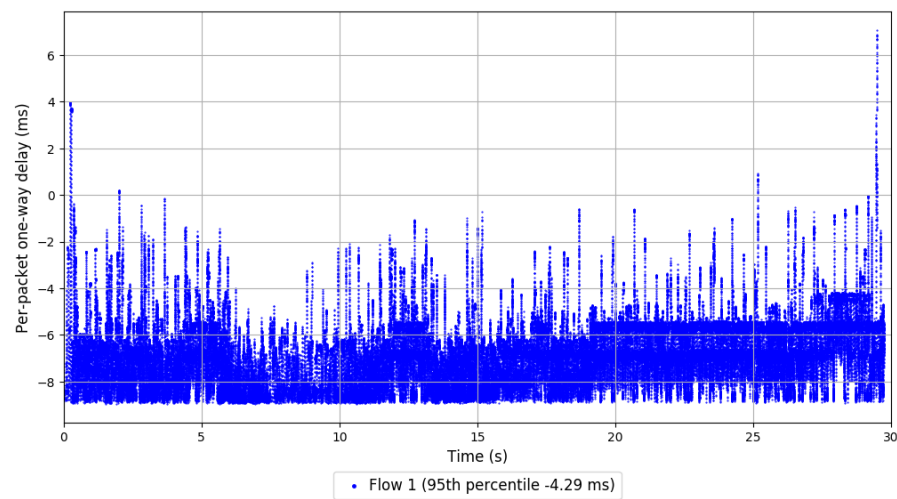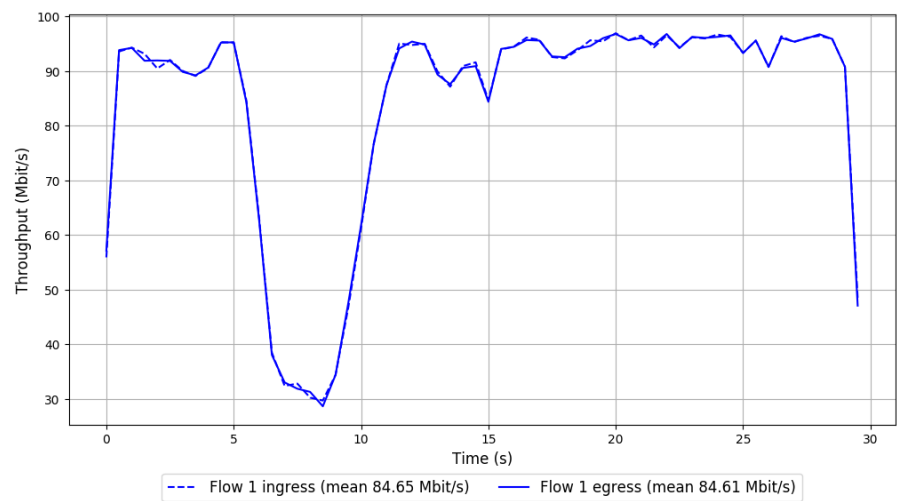Run 4: Report of Indigo — Data Link

```
Run 5: Statistics of Indigo

Start at: 2017-11-21 08:38:42
End at: 2017-11-21 08:39:12
Local clock offset: 5.788 ms
Remote clock offset: -18.696 ms

# Below is generated by plot.py at 2017-11-21 13:14:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: -4.291 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 84.61 Mbit/s
95th percentile per-packet one-way delay: -4.291 ms
Loss rate: 0.04%
```

Run 5: Report of Indigo — Data Link

```
Run 6: Statistics of Indigo

Start at: 2017-11-21 10:42:47
End at: 2017-11-21 10:43:17
Local clock offset: 5.609 ms
Remote clock offset: -15.168 ms


# Below is generated by plot.py at 2017-11-21 13:15:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: -5.243 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.45 Mbit/s
95th percentile per-packet one-way delay: -5.243 ms
Loss rate: 0.00%
```
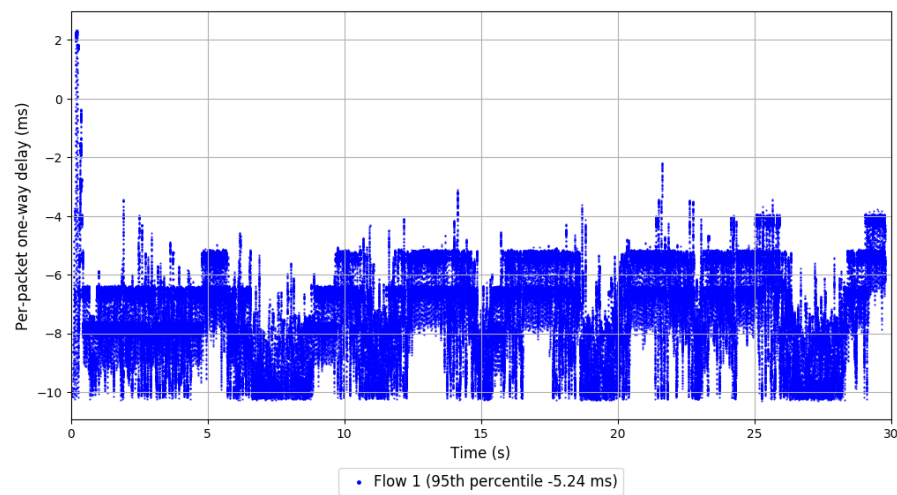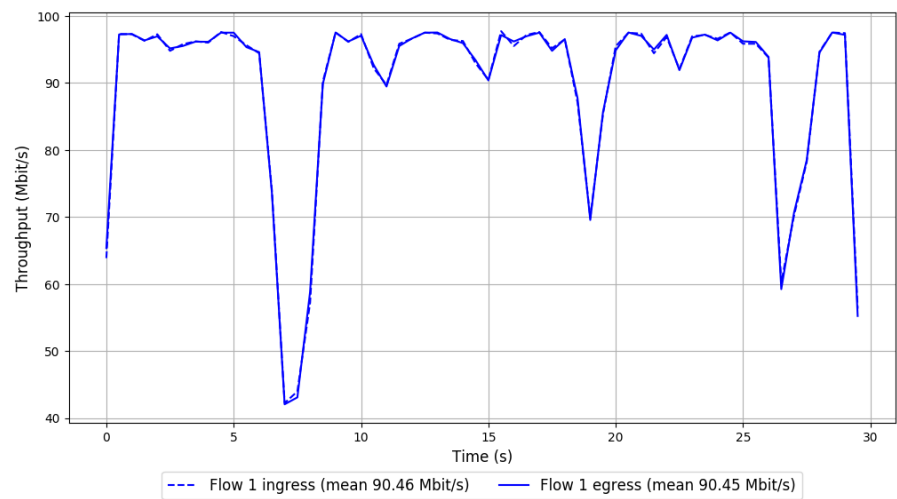
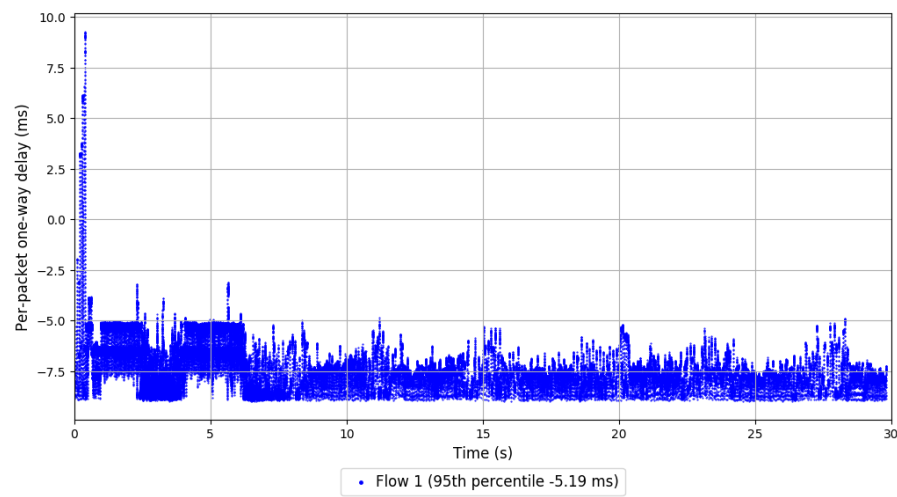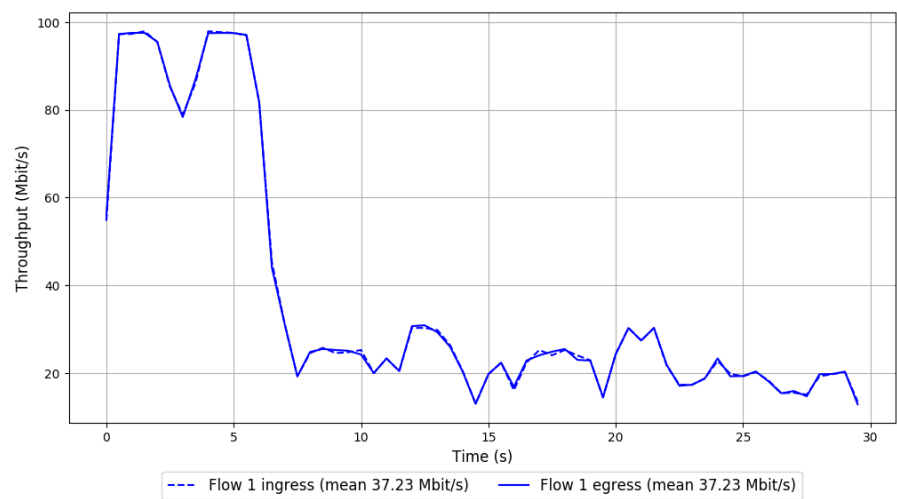Run 6: Report of Indigo — Data Link

```
Run 7: Statistics of Indigo

Start at: 2017-11-21 11:05:52
End at: 2017-11-21 11:06:22
Local clock offset: 2.641 ms
Remote clock offset: -15.363 ms


# Below is generated by plot.py at 2017-11-21 13:15:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: -5.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 37.23 Mbit/s
95th percentile per-packet one-way delay: -5.194 ms
Loss rate: 0.00%
```

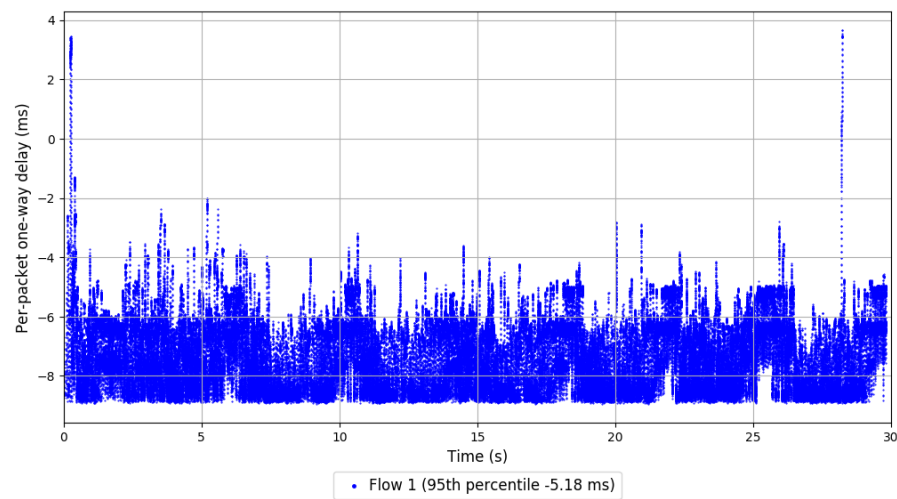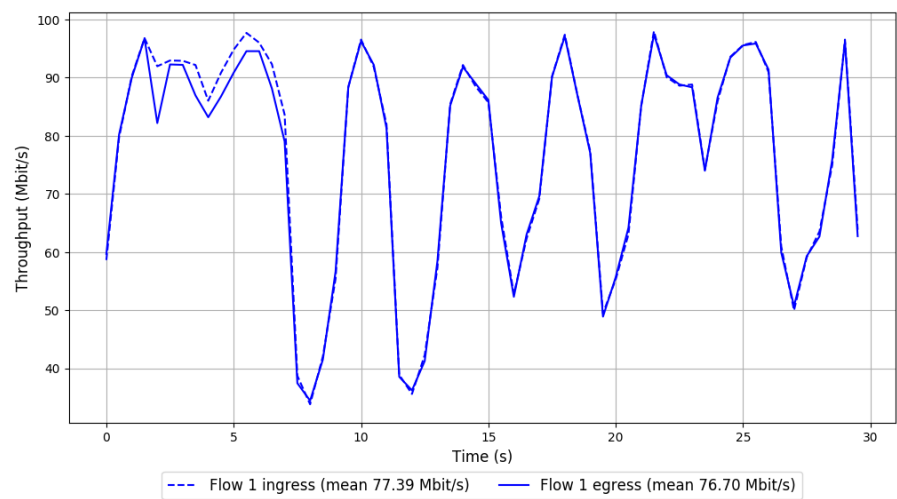Run 7: Report of Indigo — Data Link

```
Run 8: Statistics of Indigo

Start at: 2017-11-21 11:34:13
End at: 2017-11-21 11:34:43
Local clock offset: 1.116 ms
Remote clock offset: -15.729 ms


# Below is generated by plot.py at 2017-11-21 13:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: -5.183 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 76.70 Mbit/s
95th percentile per-packet one-way delay: -5.183 ms
Loss rate: 0.89%
```

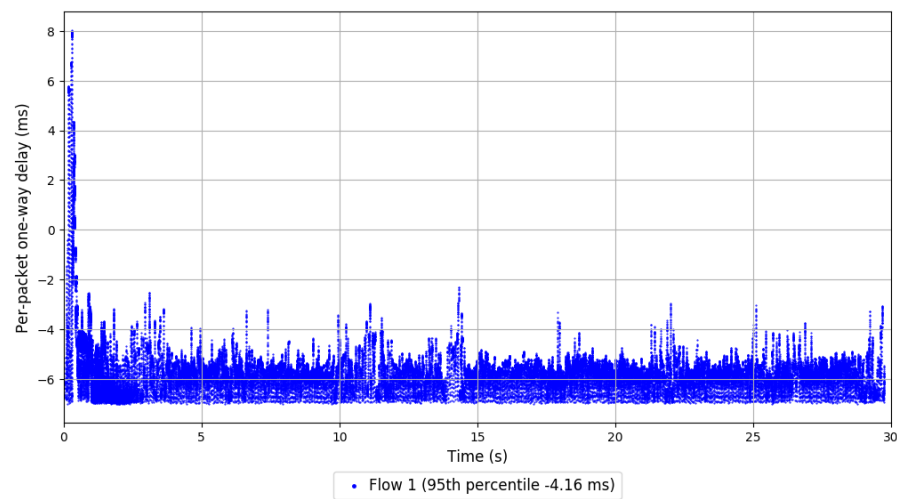# Run 8: Report of Indigo — Data Link
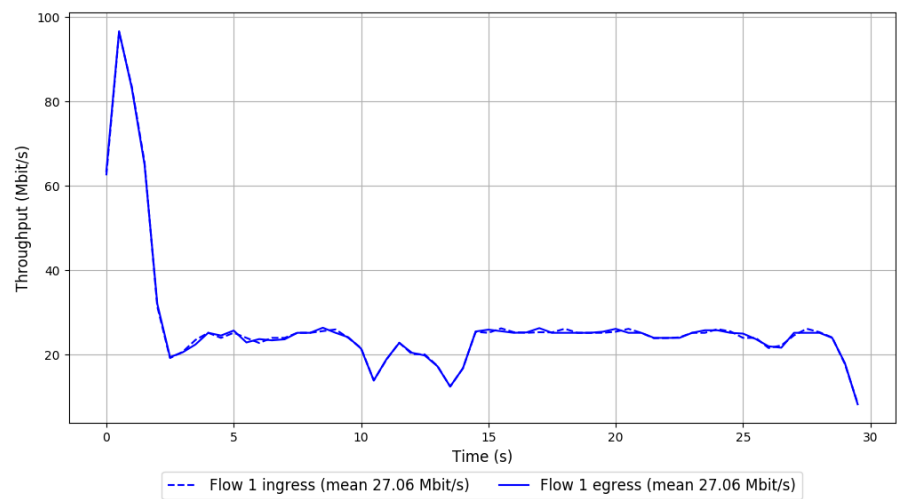

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```
Run 9: Statistics of Indigo

Start at: 2017-11-21 12:09:02
End at: 2017-11-21 12:09:32
Local clock offset: 0.503 ms
Remote clock offset: -14.944 ms

# Below is generated by plot.py at 2017-11-21 13:15:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.06 Mbit/s
95th percentile per-packet one-way delay: -4.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.06 Mbit/s
95th percentile per-packet one-way delay: -4.159 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

```
Run 10: Statistics of Indigo

Start at: 2017-11-21 12:31:58
End at: 2017-11-21 12:32:28
Local clock offset: 0.353 ms
Remote clock offset: -14.72 ms


# Below is generated by plot.py at 2017-11-21 13:15:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.95 Mbit/s
95th percentile per-packet one-way delay: -2.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.95 Mbit/s
95th percentile per-packet one-way delay: -2.332 ms
Loss rate: 0.00%
```
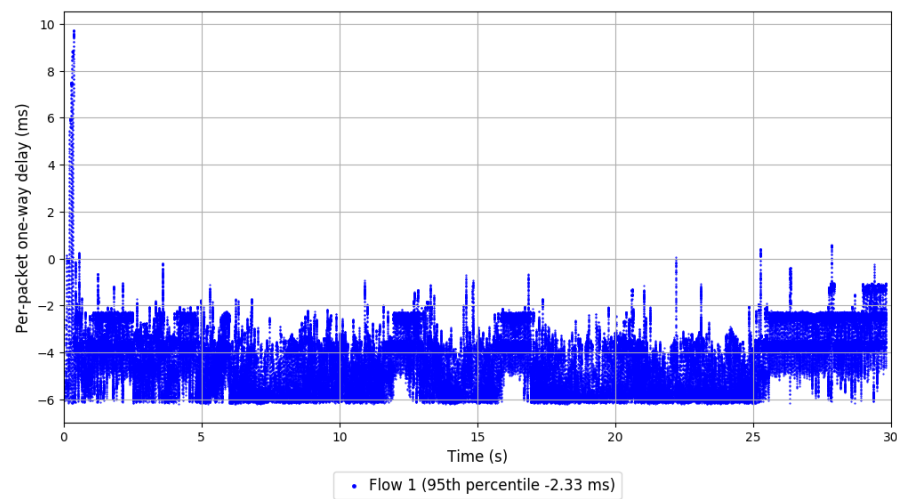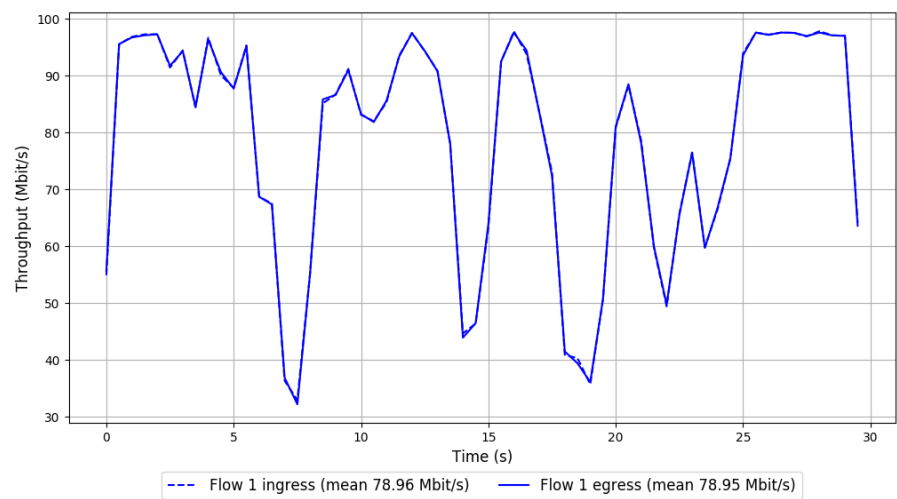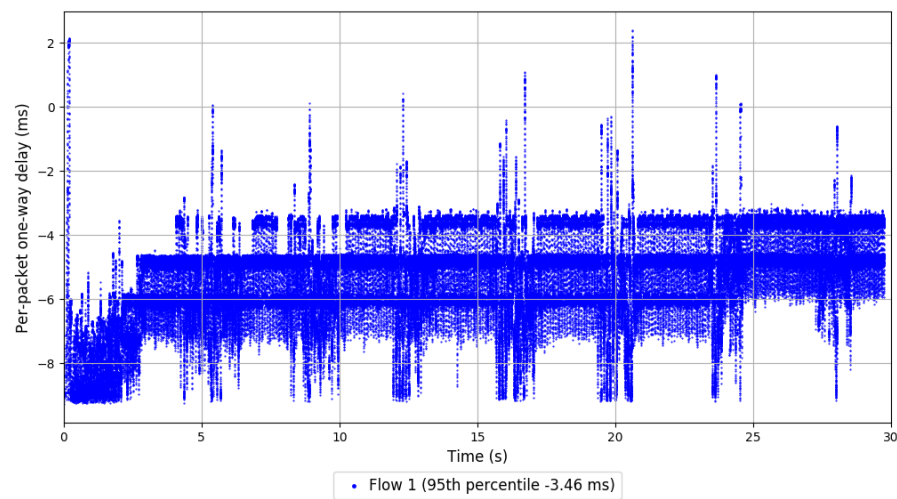
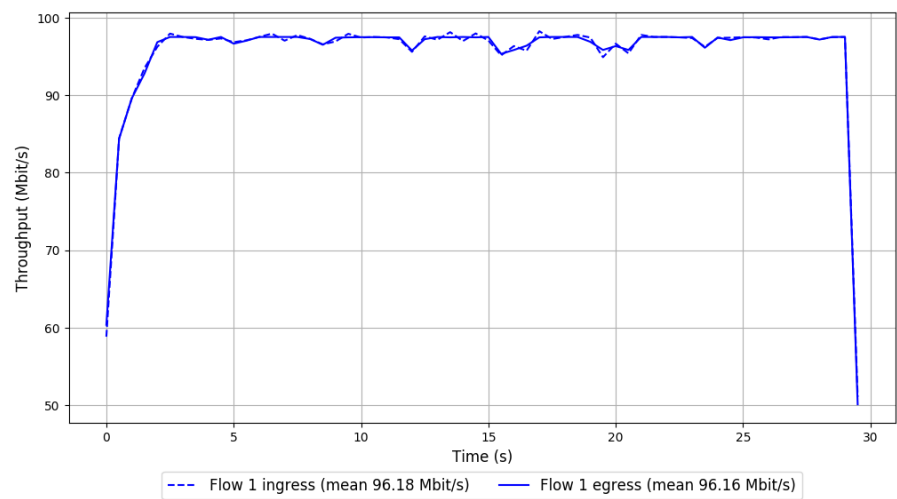## Run 10: Report of Indigo — Data Link

```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-21 07:08:44
End at: 2017-11-21 07:09:14
Local clock offset: 0.765 ms
Remote clock offset: -18.633 ms


# Below is generated by plot.py at 2017-11-21 13:16:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: -3.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: -3.457 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-calib — Data Link

- - - Flow 1 ingress (mean 96.18 Mbit/s) —— Flow 1 egress (mean 96.16 Mbit/s)

· Flow 1 (95th percentile -3.46 ms)

```
Run 2: Statistics of Indigo-calib

Start at: 2017-11-21 07:27:15
End at: 2017-11-21 07:27:45
Local clock offset: 1.571 ms
Remote clock offset: -20.337 ms


# Below is generated by plot.py at 2017-11-21 13:16:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: -5.021 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: -5.021 ms
Loss rate: 0.08%
```
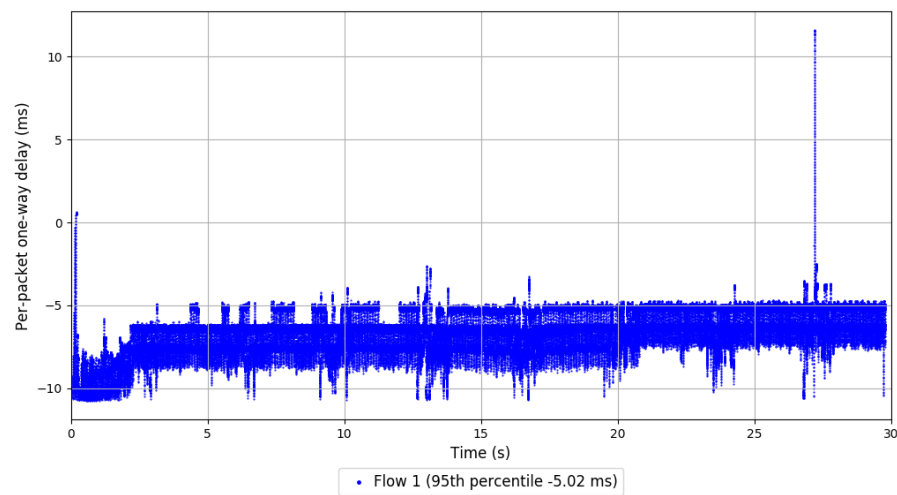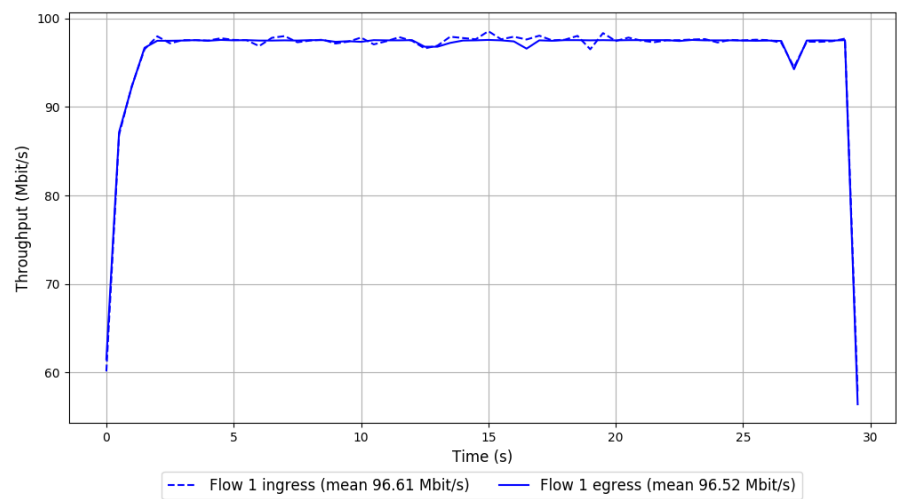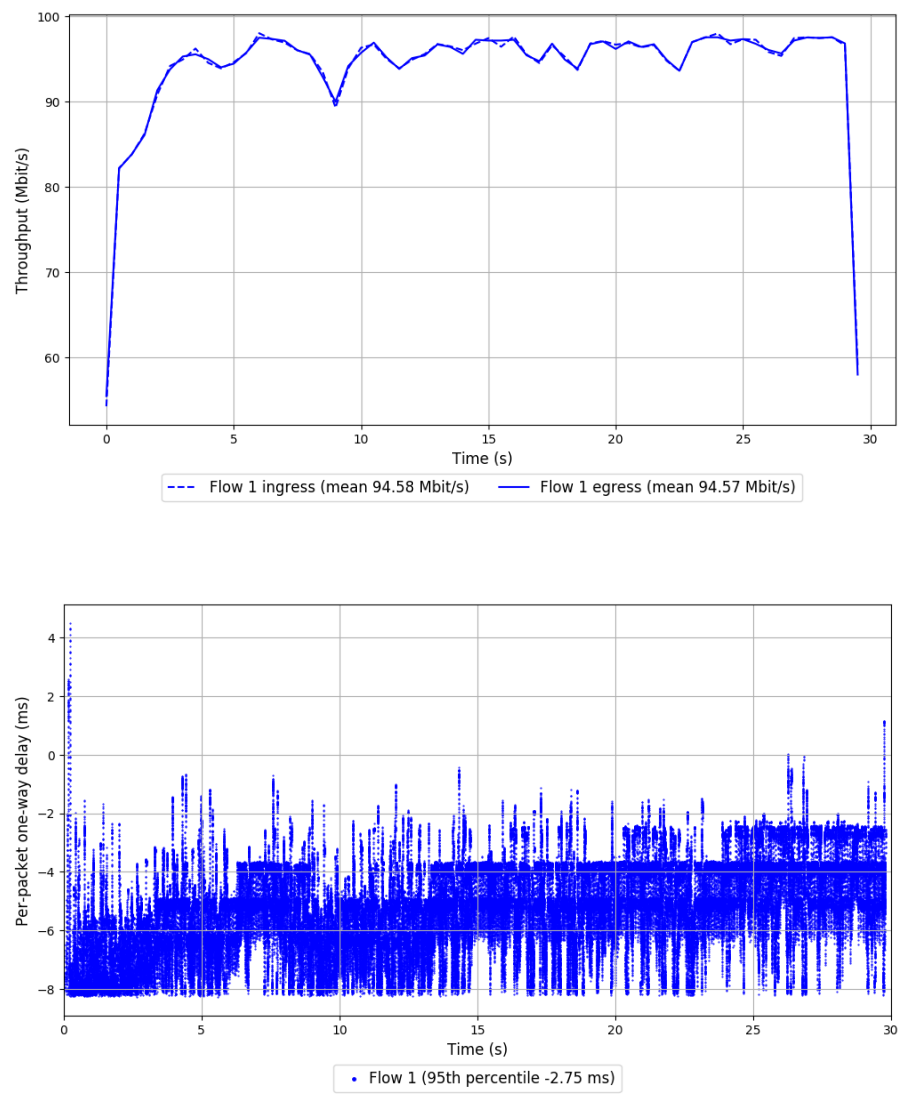
Run 2: Report of Indigo-calib — Data Link

```
Run 3: Statistics of Indigo-calib

Start at: 2017-11-21 07:44:57
End at: 2017-11-21 07:45:27
Local clock offset: 2.358 ms
Remote clock offset: -17.817 ms


# Below is generated by plot.py at 2017-11-21 13:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: -2.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: -2.753 ms
Loss rate: 0.00%
```
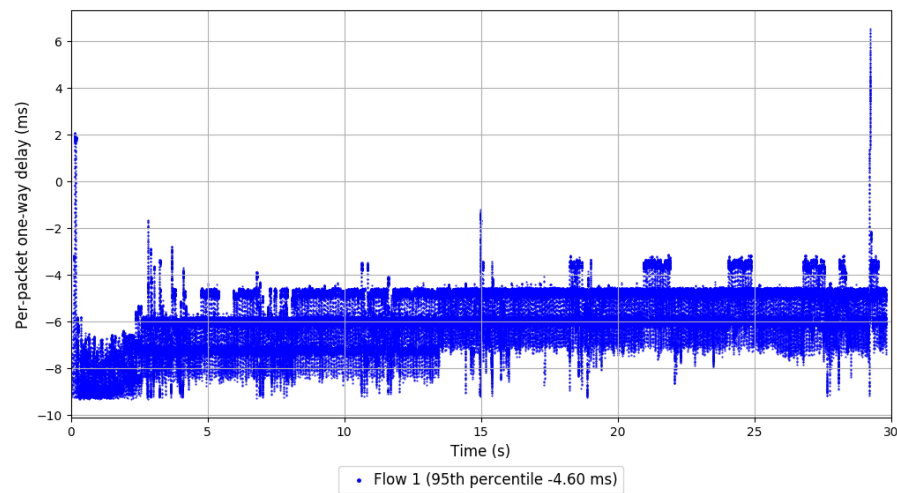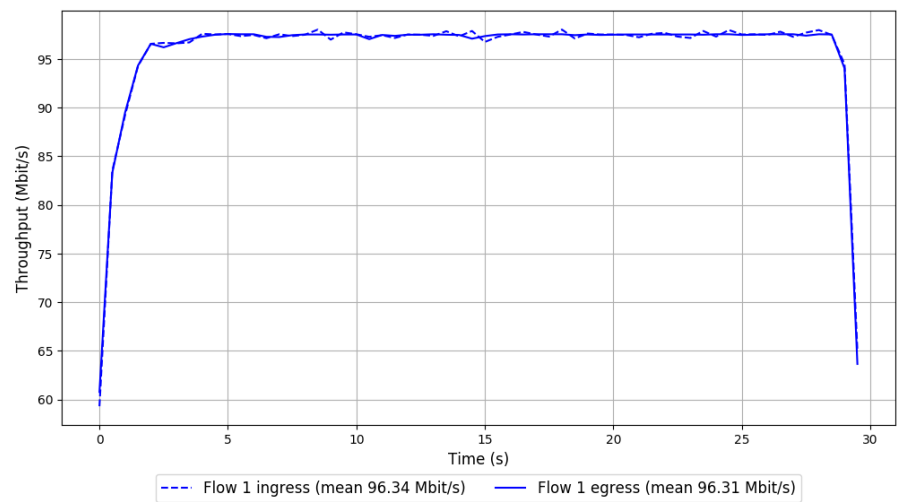
Run 3: Report of Indigo-calib — Data Link

```
Run 4: Statistics of Indigo-calib

Start at: 2017-11-21 08:04:35
End at: 2017-11-21 08:05:05
Local clock offset: 3.136 ms
Remote clock offset: -19.353 ms


# Below is generated by plot.py at 2017-11-21 13:16:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: -4.602 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: -4.602 ms
Loss rate: 0.03%
```
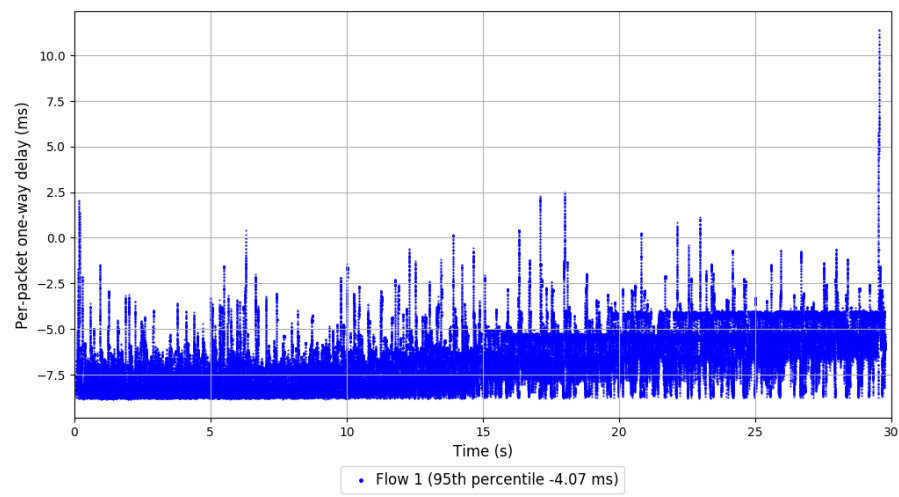
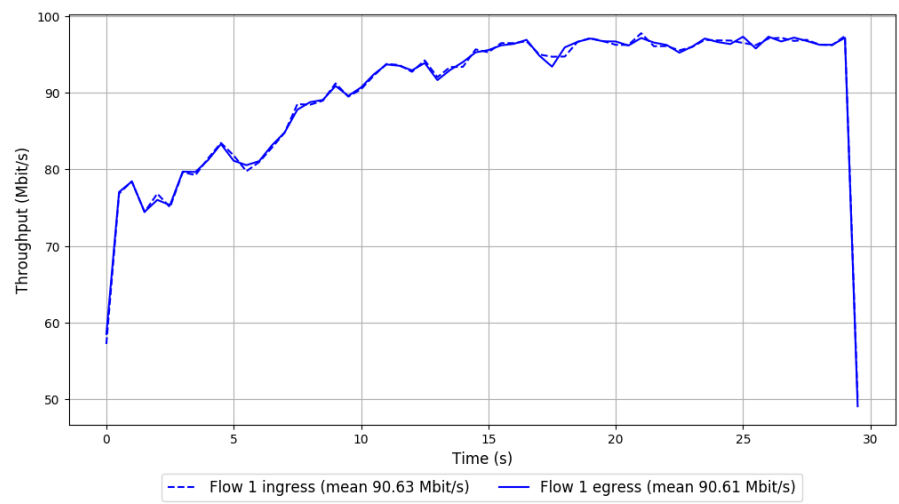Run 4: Report of Indigo-calib — Data Link

```
Run 5: Statistics of Indigo-calib

Start at: 2017-11-21 08:32:12
End at: 2017-11-21 08:32:42
Local clock offset: 5.689 ms
Remote clock offset: -18.158 ms

# Below is generated by plot.py at 2017-11-21 13:16:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: -4.069 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 90.61 Mbit/s
95th percentile per-packet one-way delay: -4.069 ms
Loss rate: 0.01%
```
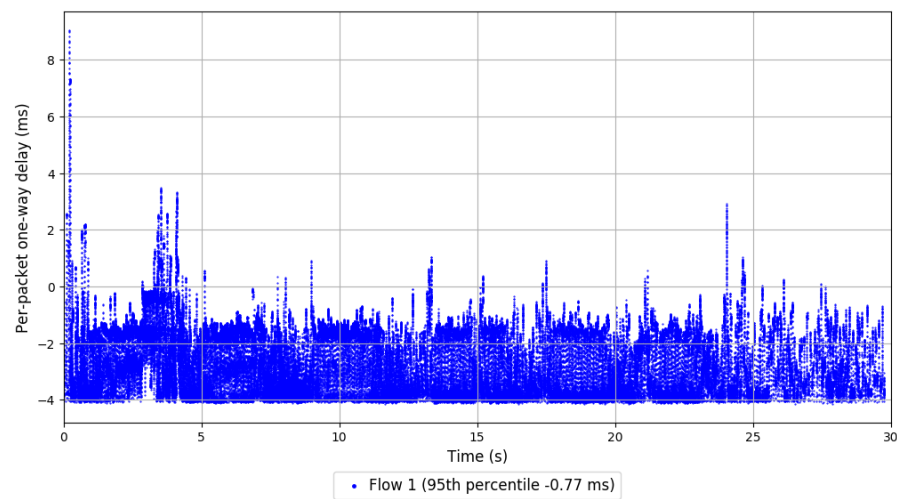
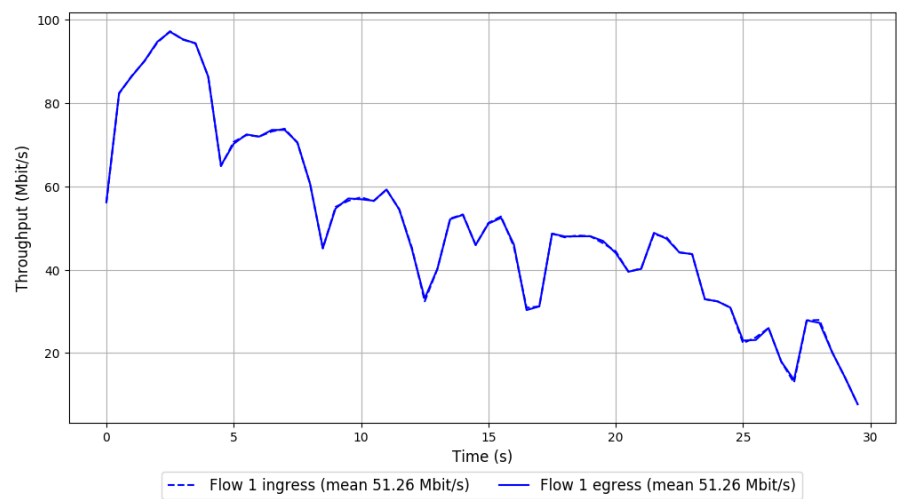Run 5: Report of Indigo-calib — Data Link

```
Run 6: Statistics of Indigo-calib

Start at: 2017-11-21 10:37:28
End at: 2017-11-21 10:37:58
Local clock offset: -0.725 ms
Remote clock offset: -15.799 ms


# Below is generated by plot.py at 2017-11-21 13:16:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.26 Mbit/s
95th percentile per-packet one-way delay: -0.769 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.26 Mbit/s
95th percentile per-packet one-way delay: -0.769 ms
Loss rate: 0.00%
```

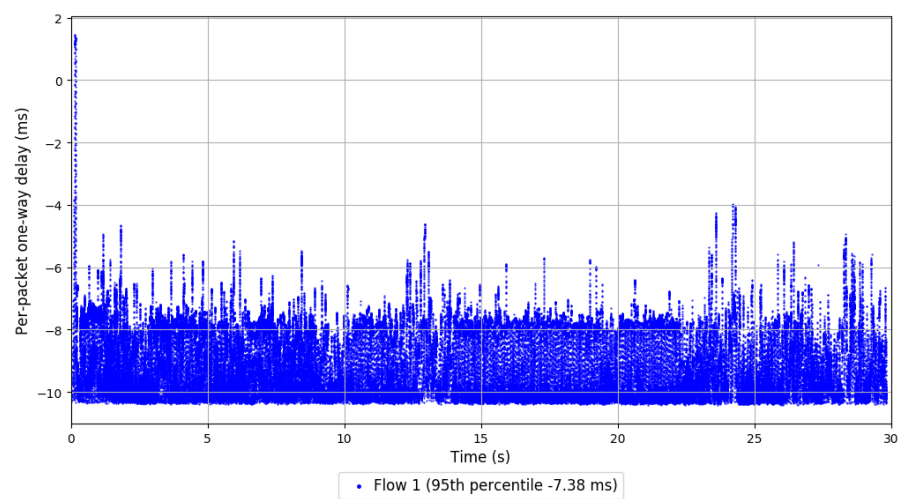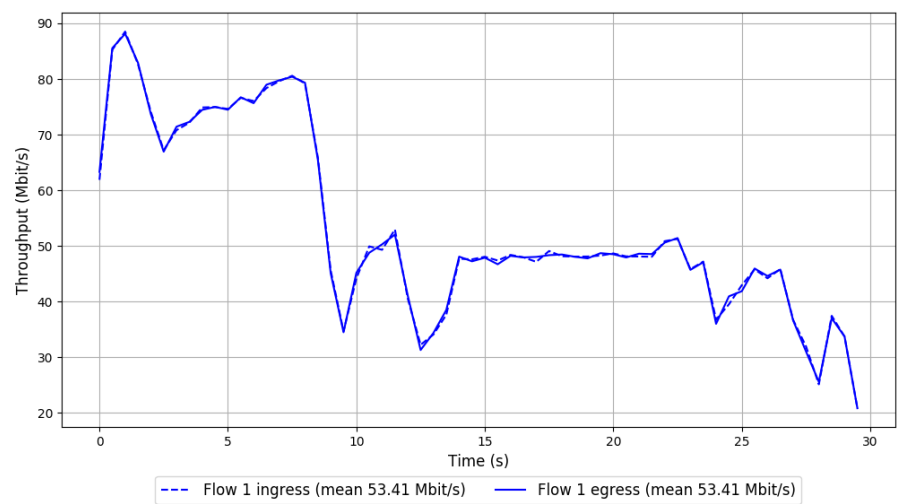# Run 6: Report of Indigo-calib — Data Link

```
Run 7: Statistics of Indigo-calib

Start at: 2017-11-21 11:00:00
End at: 2017-11-21 11:00:30
Local clock offset: 5.264 ms
Remote clock offset: -14.792 ms


# Below is generated by plot.py at 2017-11-21 13:16:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: -7.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 53.41 Mbit/s
95th percentile per-packet one-way delay: -7.380 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo-calib — Data Link

Flow 1 ingress (mean 53.41 Mbit/s) --- Flow 1 egress (mean 53.41 Mbit/s)
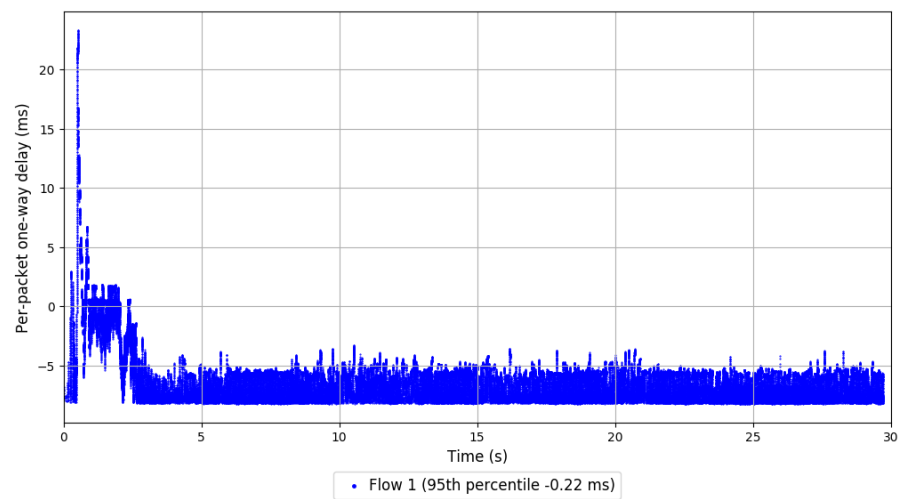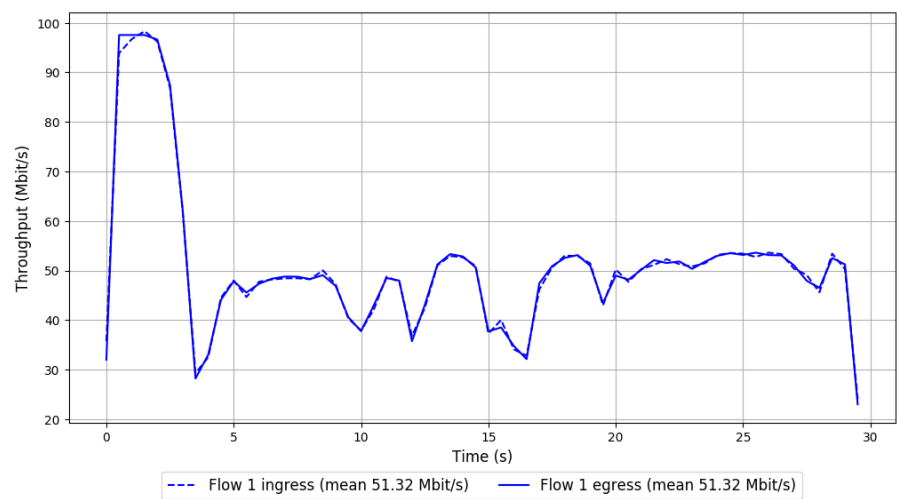

Flow 1 (95th percentile -7.38 ms)

```
Run 8: Statistics of Indigo-calib

Start at: 2017-11-21 11:22:29
End at: 2017-11-21 11:22:59
Local clock offset: 1.114 ms
Remote clock offset: -15.262 ms


# Below is generated by plot.py at 2017-11-21 13:16:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.32 Mbit/s
95th percentile per-packet one-way delay: -0.219 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 51.32 Mbit/s
95th percentile per-packet one-way delay: -0.219 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo-calib — Data Link
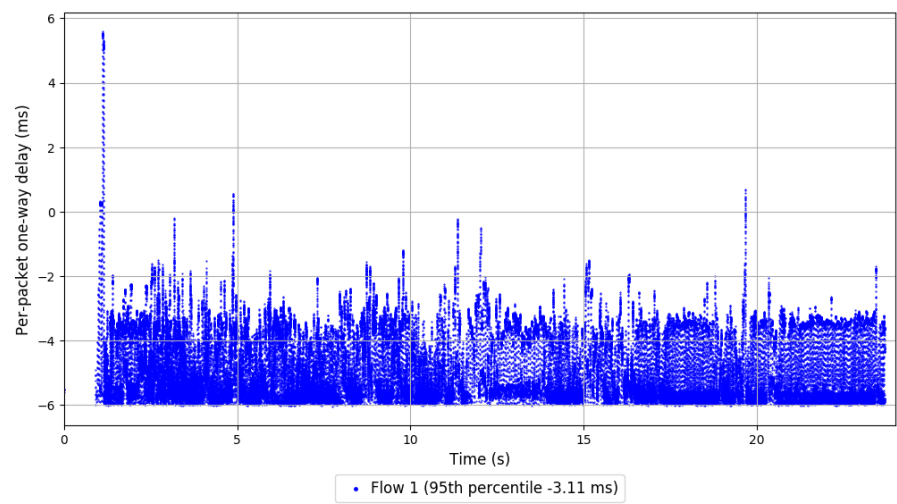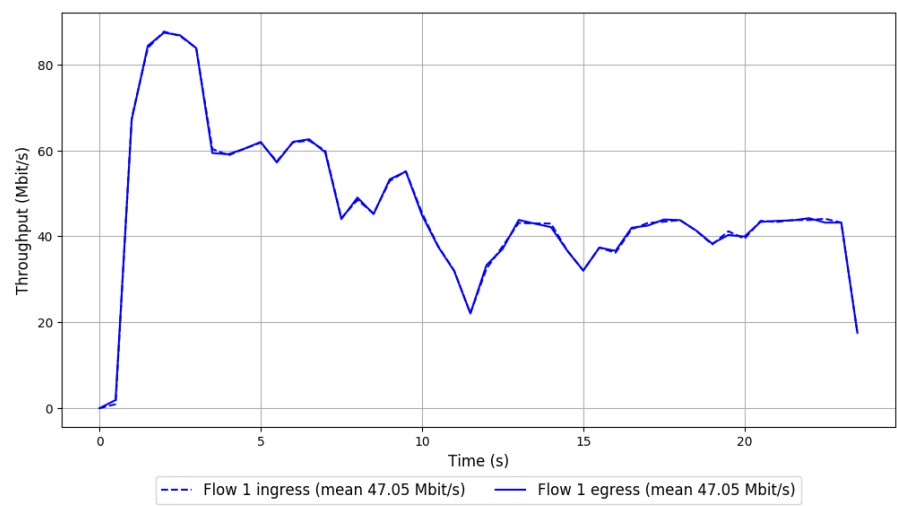
Run 9: Statistics of Indigo-calib

Start at: 2017-11-21 12:04:45
End at: 2017-11-21 12:05:15
Local clock offset: -0.257 ms
Remote clock offset: -14.647 ms

Run 9: Report of Indigo-calib — Data Link

```
Run 10: Statistics of Indigo-calib

Start at: 2017-11-21 12:27:38
End at: 2017-11-21 12:28:08
Local clock offset: 3.053 ms
Remote clock offset: -5.997 ms


# Below is generated by plot.py at 2017-11-21 13:16:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 2.741 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 58.71 Mbit/s
95th percentile per-packet one-way delay: 2.741 ms
Loss rate: 0.01%
```

Run 10: Report of Indigo-calib — Data Link