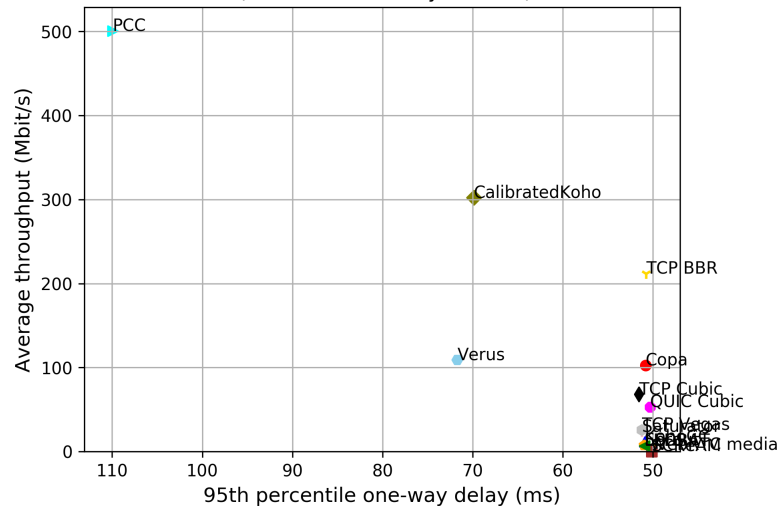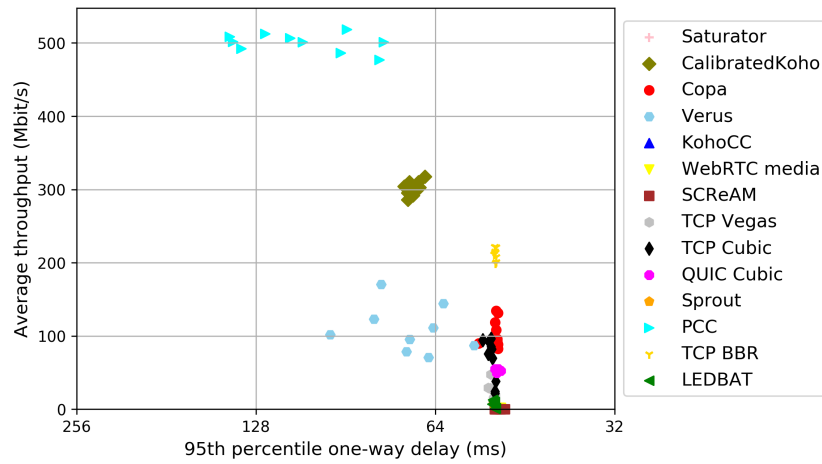**Pantheon Summary** (Generated at Sun, 06 Aug 2017 16:35:47 +0000 with pantheon version `a934ee3822380a12762347e6bc8bd1f3e836e73b`)

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

Data path: GCE London Ethernet (*remote*) →GCE Iowa Ethernet (*local*).

```
git branch: master @ a934ee3822380a12762347e6bc8bd1f3e836e73b
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
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 GCE London Ethernet to GCE Iowa Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

test from GCE London Ethernet to GCE Iowa Ethernet, 10 runs of 30s each per scheme

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	211.70	50.74	0.54
CalibratedKoho	10	302.20	69.85	0.66
Copa	10	102.73	50.80	0.41
TCP Cubic	10	68.07	51.56	0.74
KohoCC	10	11.66	50.87	0.54
LEDBAT	10	6.71	50.94	0.71
PCC	10	500.56	109.95	1.65
QUIC Cubic	10	53.18	50.31	0.40
Saturator	10	23.26	51.21	0.77
SCReAM	10	0.22	50.14	0.31
Sprout	10	7.65	50.95	2.13
TaoVA-100x	10	nan	nan	nan
TCP Vegas	10	25.91	51.23	0.91
Verus	10	109.11	71.71	19.56
WebRTC media	10	2.12	50.24	0.49

```
Run 1: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 12:05:24 +0000
End at: Sun, 06 Aug 2017 12:05:54 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:08:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.54 Mbit/s
95th percentile per-packet one-way delay: 50.739 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 214.54 Mbit/s
95th percentile per-packet one-way delay: 50.739 ms
Loss rate: 0.38%
```
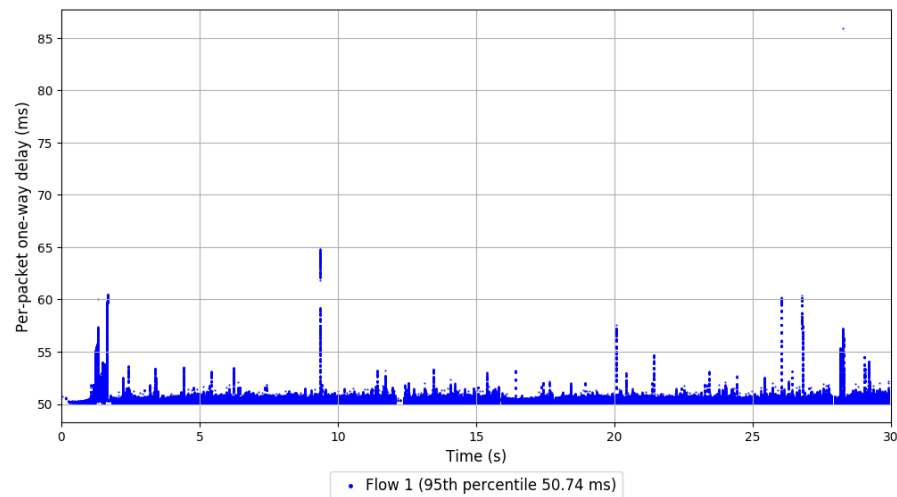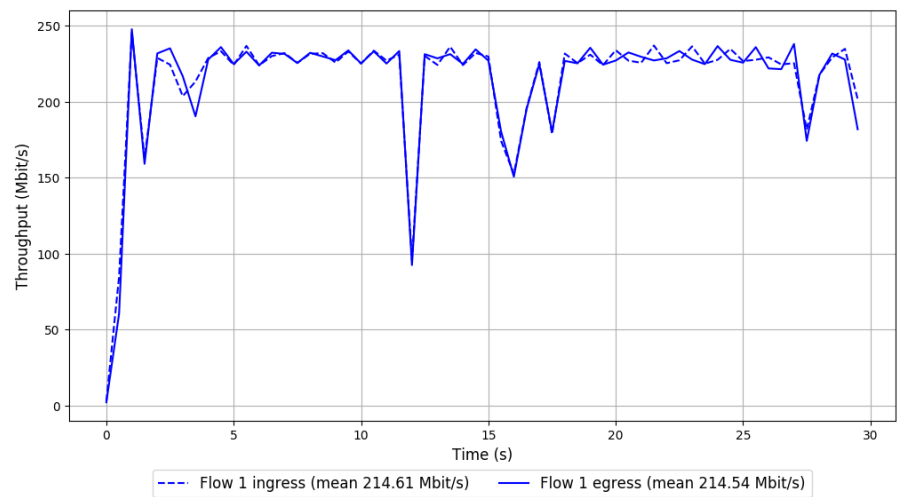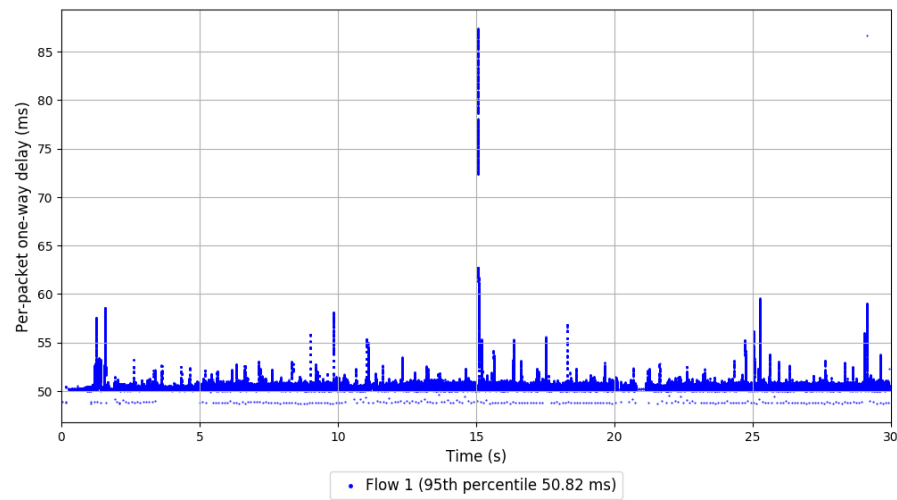
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 12:15:59 +0000
End at: Sun, 06 Aug 2017 12:16:29 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:08:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.31 Mbit/s
95th percentile per-packet one-way delay: 50.823 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 213.31 Mbit/s
95th percentile per-packet one-way delay: 50.823 ms
Loss rate: 0.54%
```
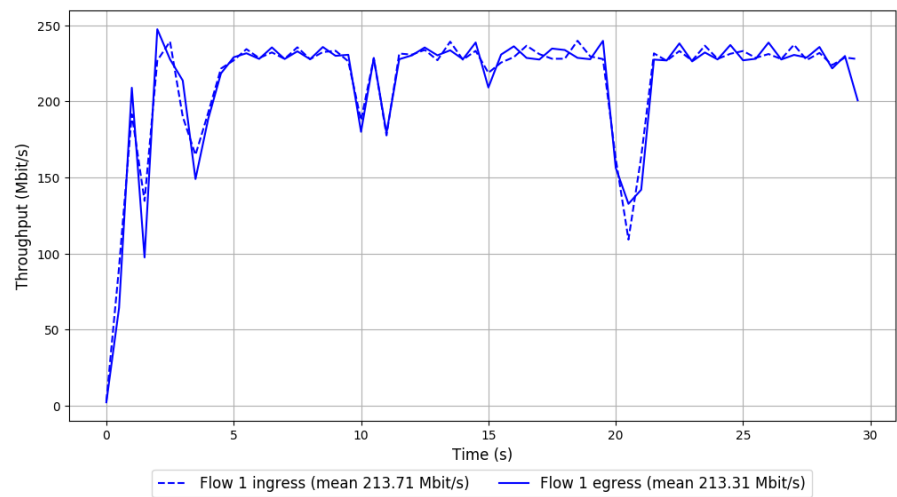
Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 12:26:38 +0000
End at: Sun, 06 Aug 2017 12:27:08 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:09:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.92 Mbit/s
95th percentile per-packet one-way delay: 50.560 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 207.92 Mbit/s
95th percentile per-packet one-way delay: 50.560 ms
Loss rate: 0.68%
```
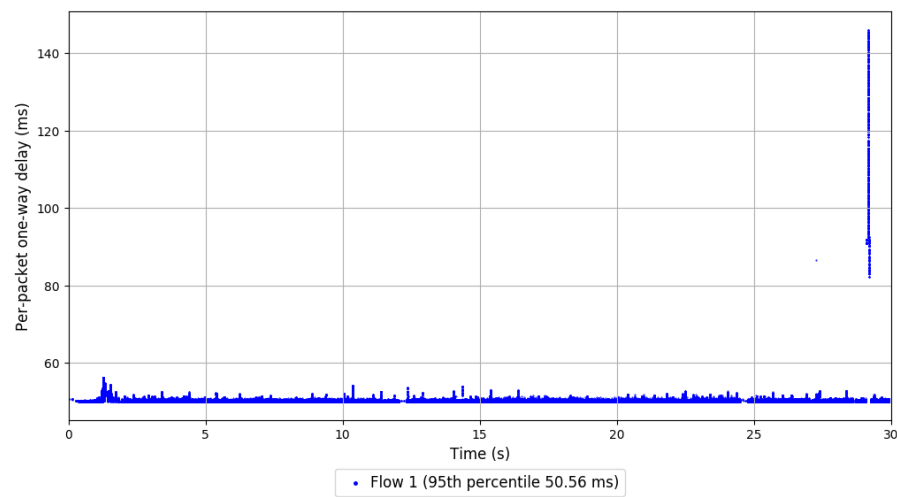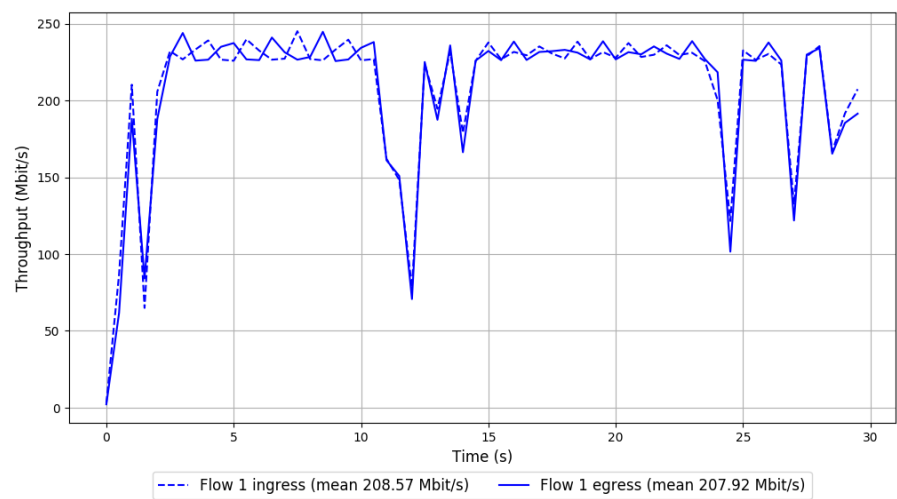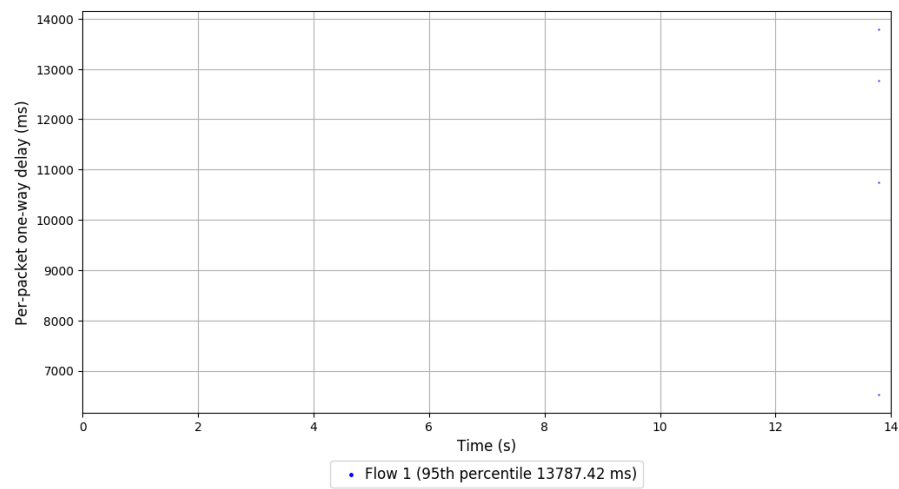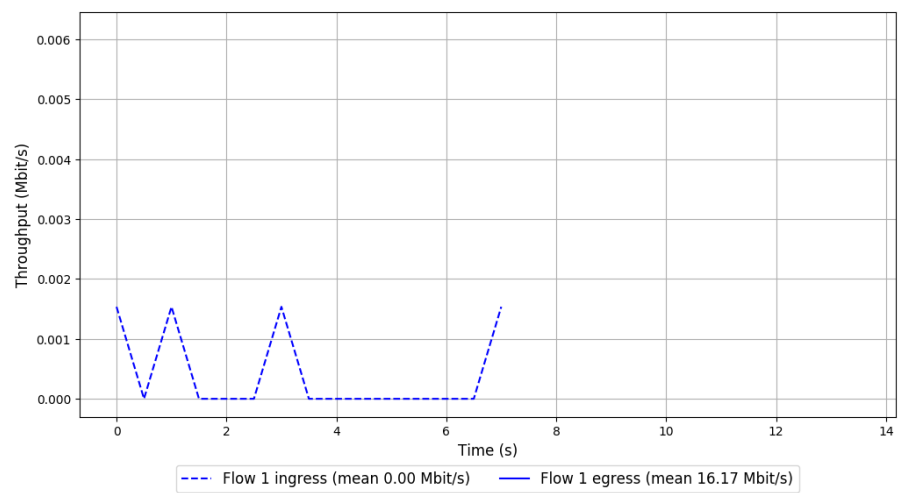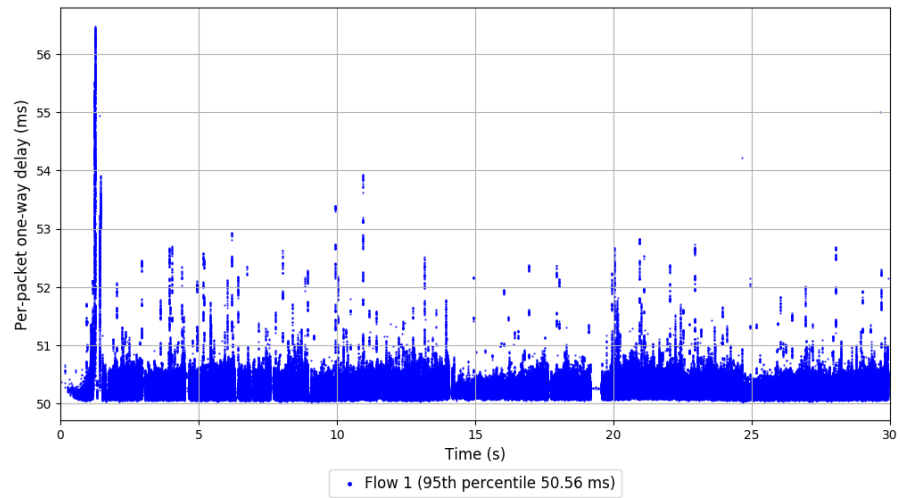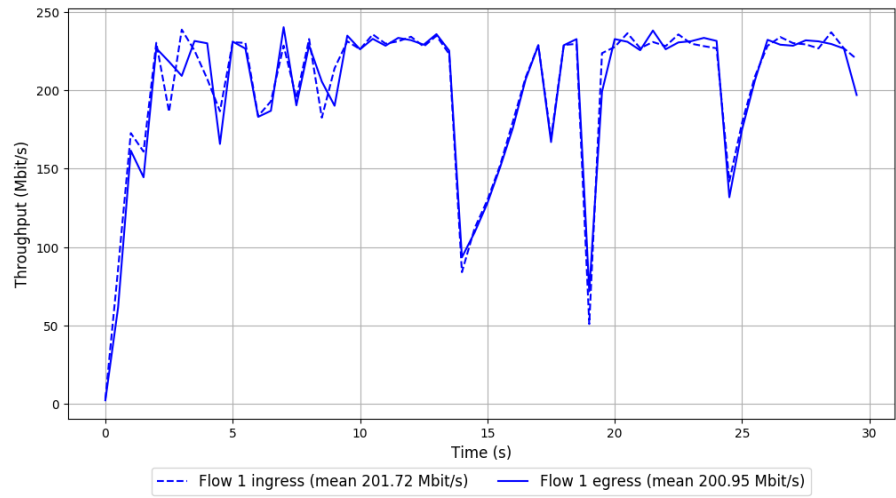
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 208.57 Mbit/s) ---- Flow 1 egress (mean 207.92 Mbit/s) ——

Flow 1 (95th percentile 50.56 ms) ·

Run 4: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 12:37:21 +0000
End at: Sun, 06 Aug 2017 12:37:51 +0000

Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 12:47:40 +0000
End at: Sun, 06 Aug 2017 12:48:10 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:09:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.95 Mbit/s
95th percentile per-packet one-way delay: 50.562 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 200.95 Mbit/s
95th percentile per-packet one-way delay: 50.562 ms
Loss rate: 0.73%
```
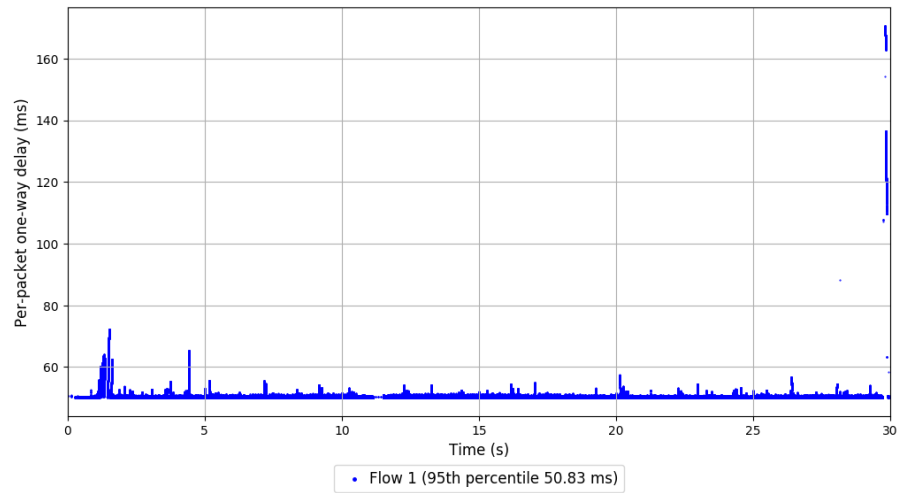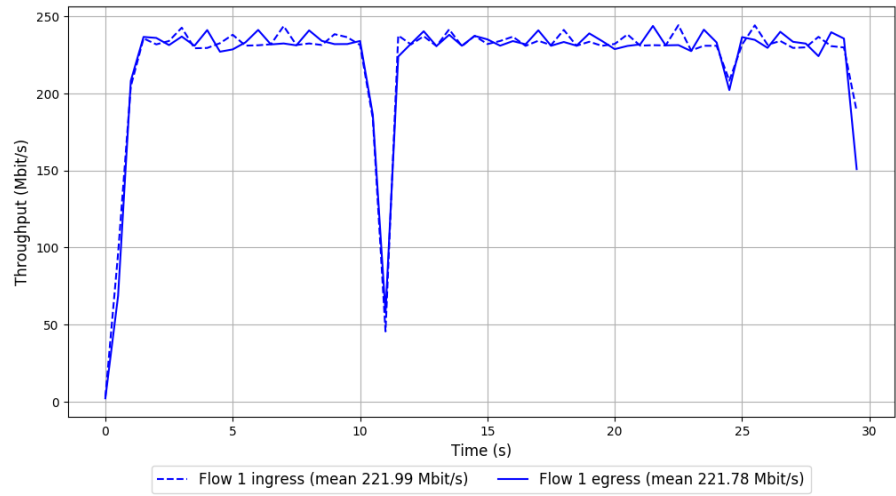
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 201.72 Mbit/s)   Flow 1 egress (mean 200.95 Mbit/s)

Flow 1 (95th percentile 50.56 ms)

```
Run 6: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 12:58:24 +0000
End at: Sun, 06 Aug 2017 12:58:54 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:10:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.78 Mbit/s
95th percentile per-packet one-way delay: 50.831 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 221.78 Mbit/s
95th percentile per-packet one-way delay: 50.831 ms
Loss rate: 0.40%
```
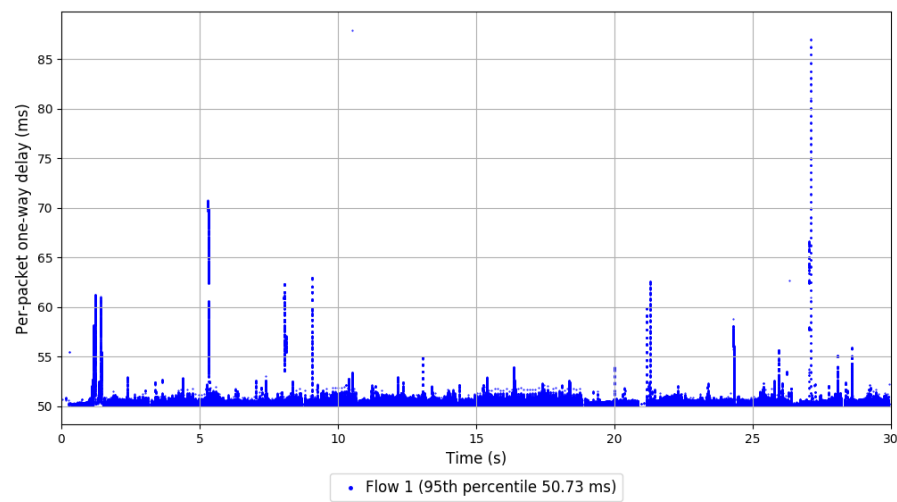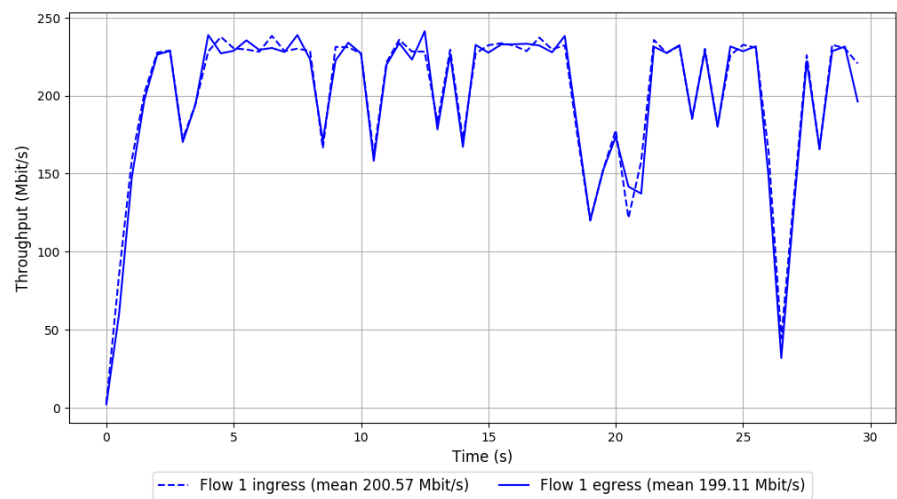
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 221.99 Mbit/s)   Flow 1 egress (mean 221.78 Mbit/s)

Flow 1 (95th percentile 50.83 ms)

```
Run 7: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 13:09:03 +0000
End at: Sun, 06 Aug 2017 13:09:33 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:10:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.11 Mbit/s
95th percentile per-packet one-way delay: 50.735 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 199.11 Mbit/s
95th percentile per-packet one-way delay: 50.735 ms
Loss rate: 1.01%
```
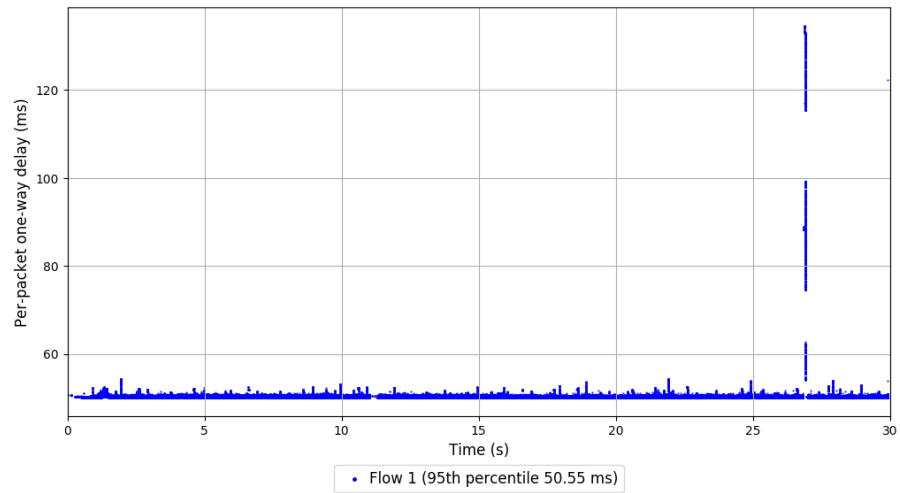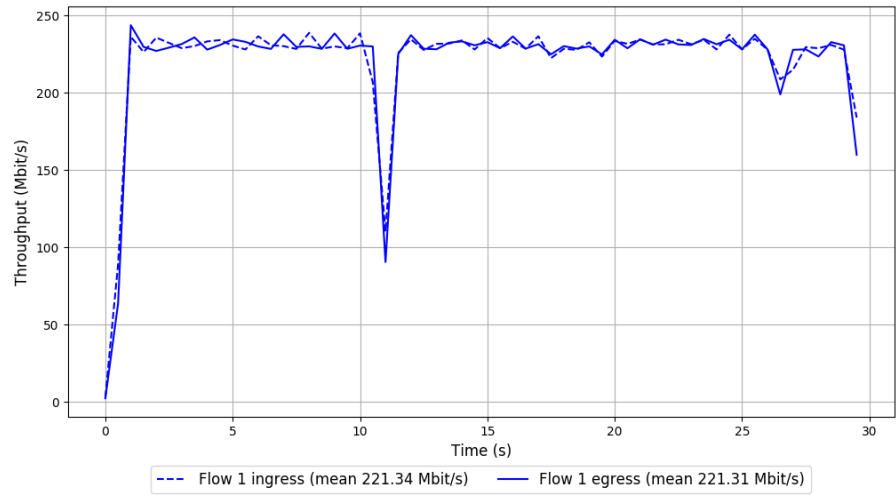
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 200.57 Mbit/s) — Flow 1 egress (mean 199.11 Mbit/s)

Flow 1 (95th percentile 50.73 ms)

```
Run 8: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 13:19:30 +0000
End at: Sun, 06 Aug 2017 13:20:00 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:10:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.31 Mbit/s
95th percentile per-packet one-way delay: 50.550 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 221.31 Mbit/s
95th percentile per-packet one-way delay: 50.550 ms
Loss rate: 0.34%
```
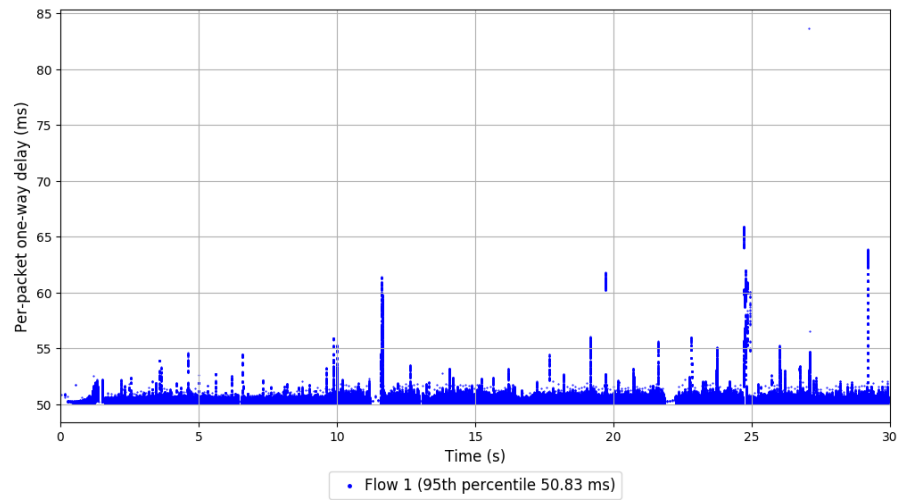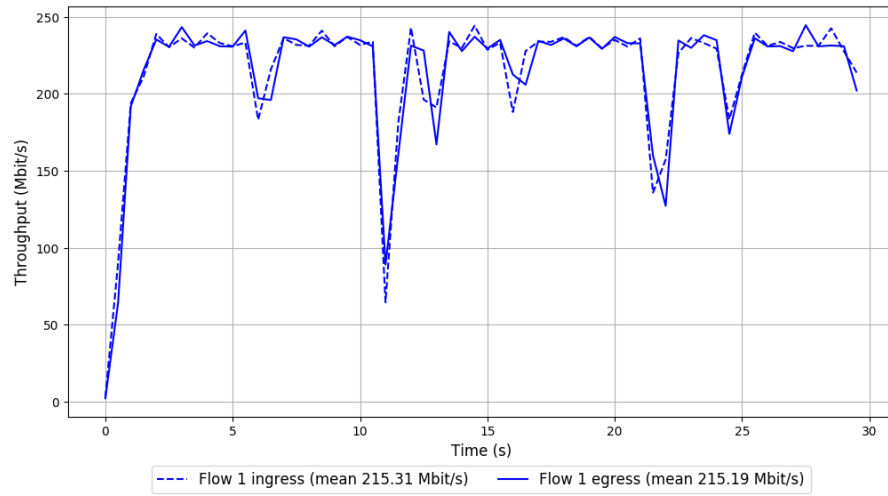
Run 8: Report of TCP BBR — Data Link

```
Run 9: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 13:30:08 +0000
End at: Sun, 06 Aug 2017 13:30:38 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:10:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.19 Mbit/s
95th percentile per-packet one-way delay: 50.825 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 215.19 Mbit/s
95th percentile per-packet one-way delay: 50.825 ms
Loss rate: 0.35%
```
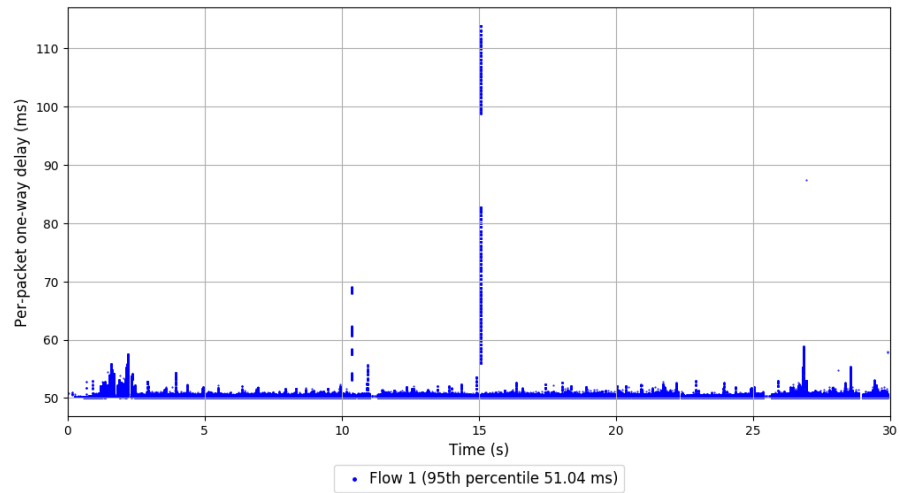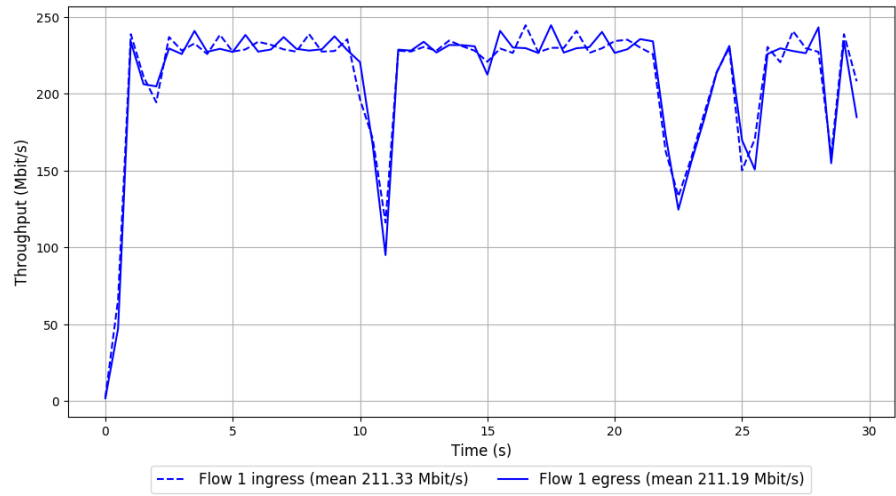
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 215.31 Mbit/s)   Flow 1 egress (mean 215.19 Mbit/s)

Flow 1 (95th percentile 50.83 ms)

```
Run 10: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 13:40:34 +0000
End at: Sun, 06 Aug 2017 13:41:04 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:11:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.19 Mbit/s
95th percentile per-packet one-way delay: 51.039 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 211.19 Mbit/s
95th percentile per-packet one-way delay: 51.039 ms
Loss rate: 0.40%
```
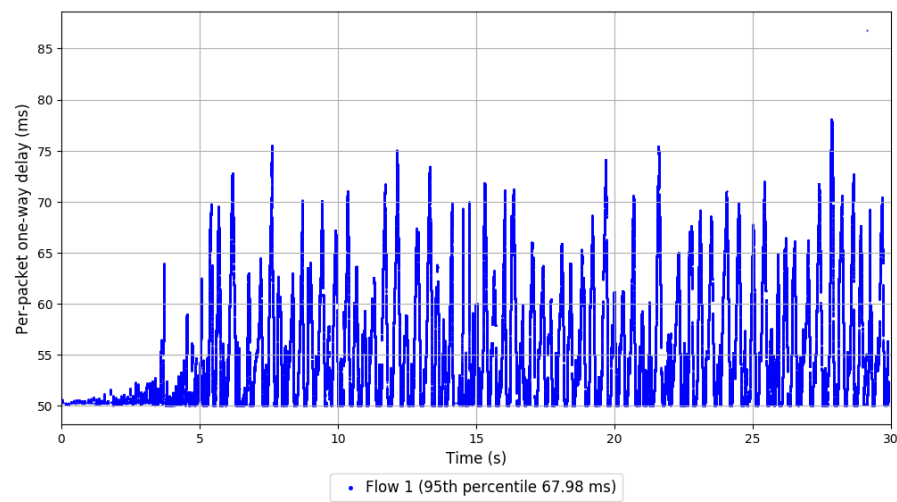
Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 12:04:27 +0000
End at: Sun, 06 Aug 2017 12:04:57 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:11:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 302.60 Mbit/s
95th percentile per-packet one-way delay: 67.983 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 302.60 Mbit/s
95th percentile per-packet one-way delay: 67.983 ms
Loss rate: 0.55%
```
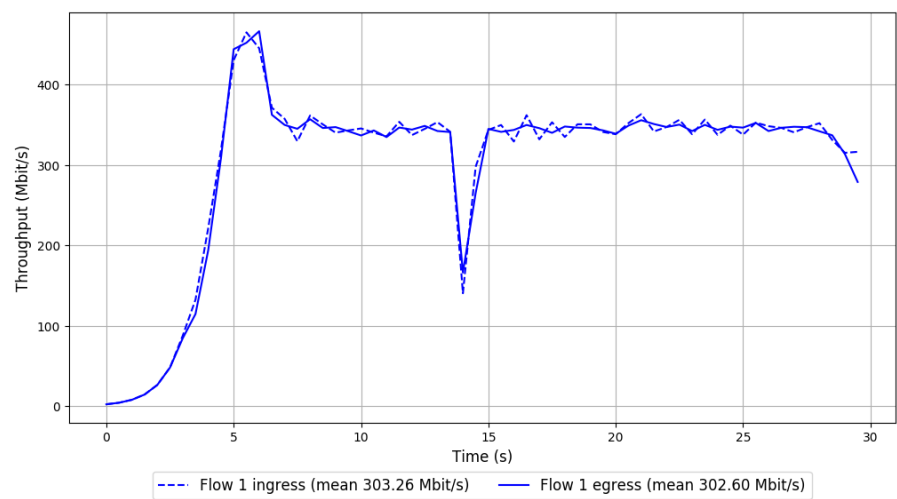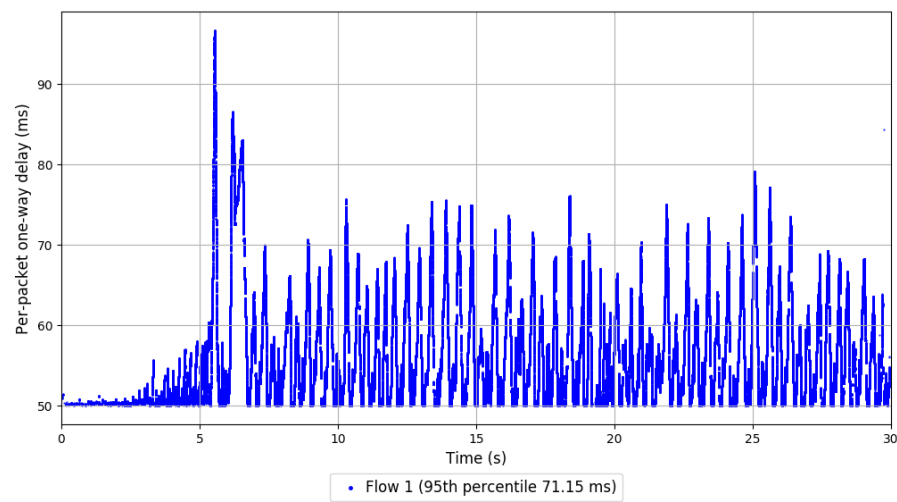
Run 1: Report of CalibratedKoho — Data Link

```
Run 2: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 12:15:02 +0000
End at: Sun, 06 Aug 2017 12:15:32 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:12:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 295.44 Mbit/s
95th percentile per-packet one-way delay: 71.151 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 295.44 Mbit/s
95th percentile per-packet one-way delay: 71.151 ms
Loss rate: 0.41%
```
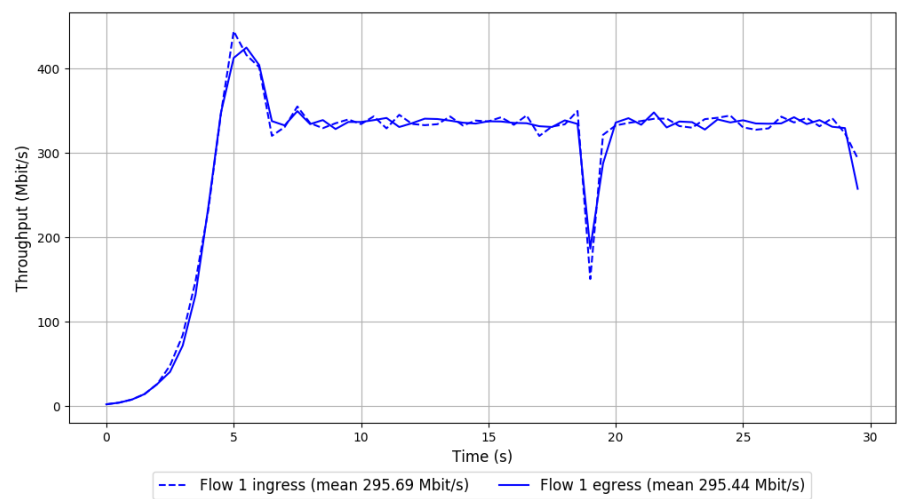
Run 2: Report of CalibratedKoho — Data Link

```
Run 3: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 12:25:41 +0000
End at: Sun, 06 Aug 2017 12:26:11 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:13:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 302.07 Mbit/s
95th percentile per-packet one-way delay: 70.446 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 302.07 Mbit/s
95th percentile per-packet one-way delay: 70.446 ms
Loss rate: 0.49%
```
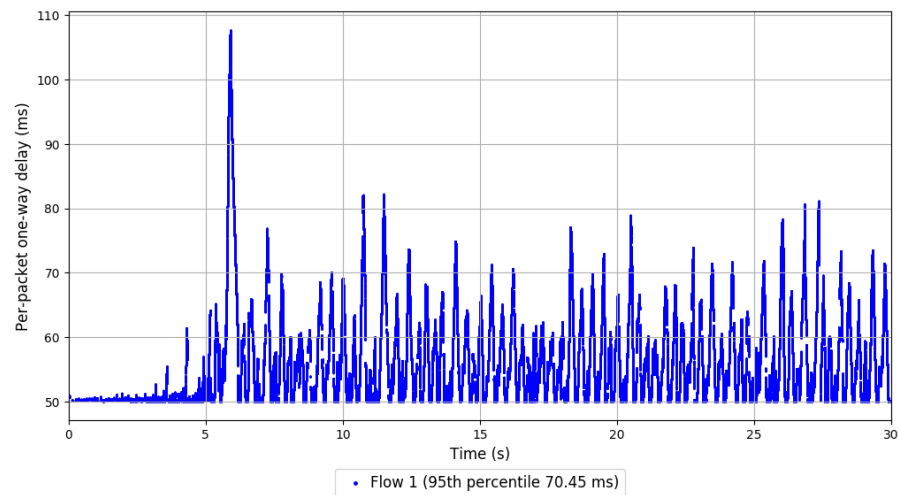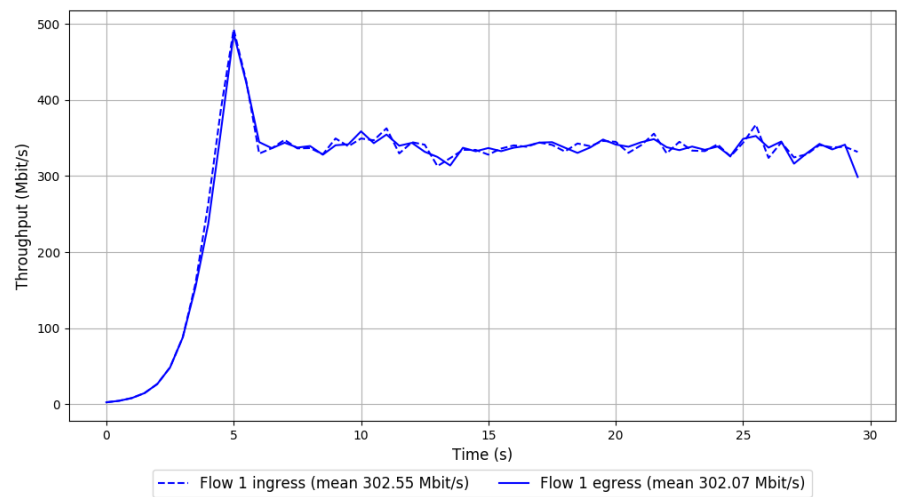
Run 3: Report of CalibratedKoho — Data Link

```
Run 4: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 12:36:24 +0000
End at: Sun, 06 Aug 2017 12:36:54 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:13:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 286.19 Mbit/s
95th percentile per-packet one-way delay: 71.089 ms
Loss rate: 2.14%
-- Flow 1:
Average throughput: 286.19 Mbit/s
95th percentile per-packet one-way delay: 71.089 ms
Loss rate: 2.14%
```
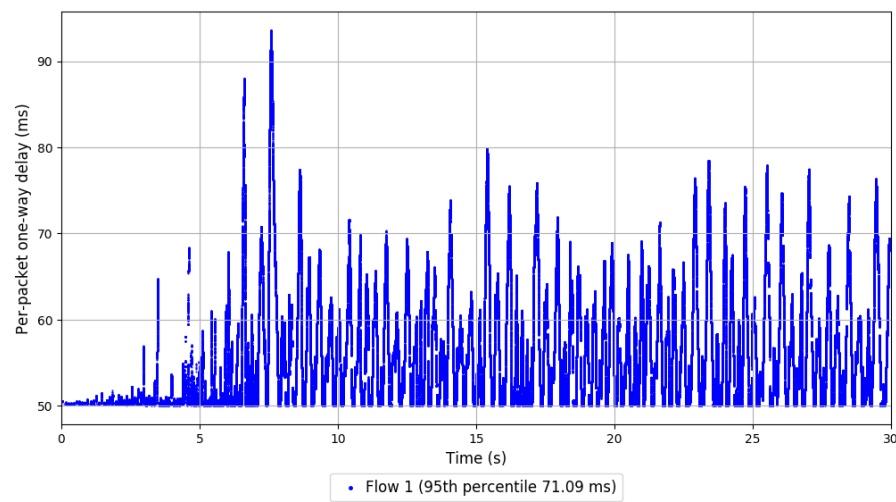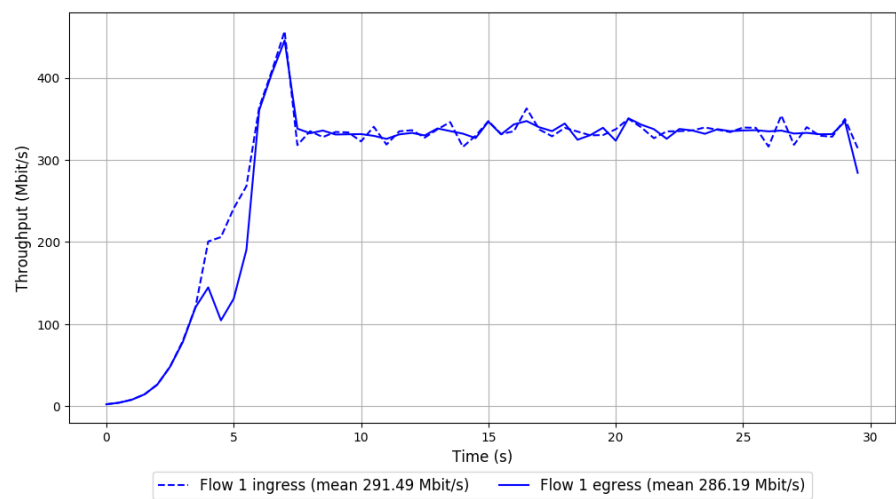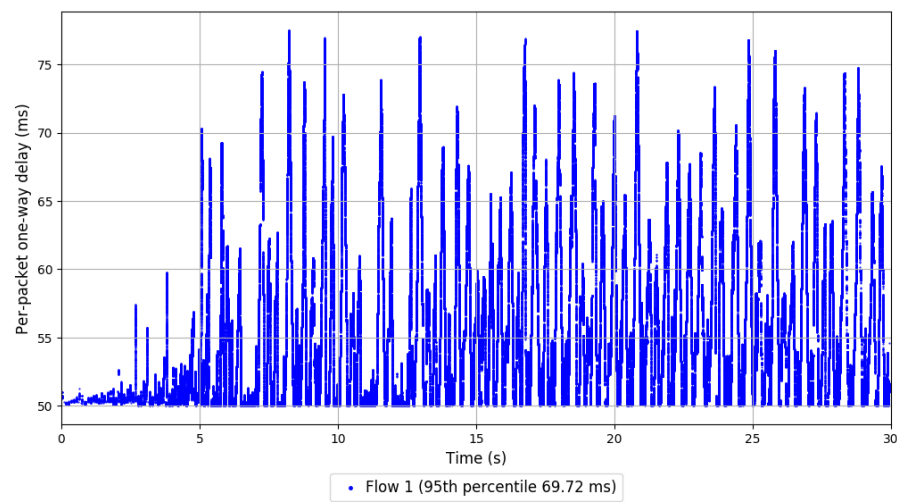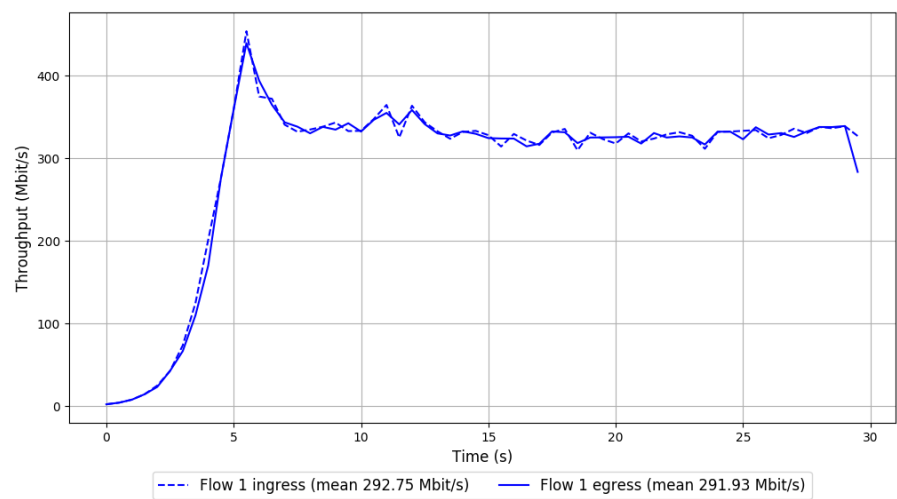
Run 4: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 291.49 Mbit/s)   Flow 1 egress (mean 286.19 Mbit/s)

Flow 1 (95th percentile 71.09 ms)

```
Run 5: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 12:46:44 +0000
End at: Sun, 06 Aug 2017 12:47:14 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:13:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 291.93 Mbit/s
95th percentile per-packet one-way delay: 69.721 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 291.93 Mbit/s
95th percentile per-packet one-way delay: 69.721 ms
Loss rate: 0.62%
```
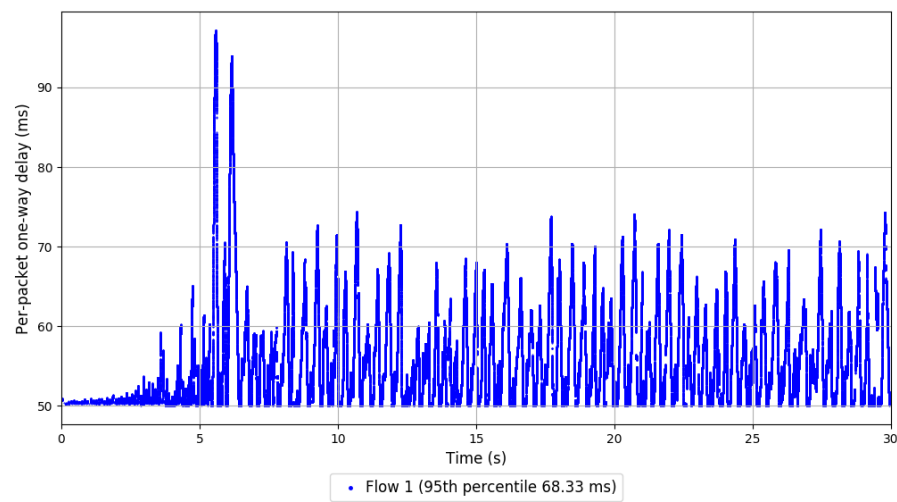
Run 5: Report of CalibratedKoho — Data Link

```
Run 6: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 12:57:27 +0000
End at: Sun, 06 Aug 2017 12:57:57 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:14:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 310.13 Mbit/s
95th percentile per-packet one-way delay: 68.335 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 310.13 Mbit/s
95th percentile per-packet one-way delay: 68.335 ms
Loss rate: 0.37%
```
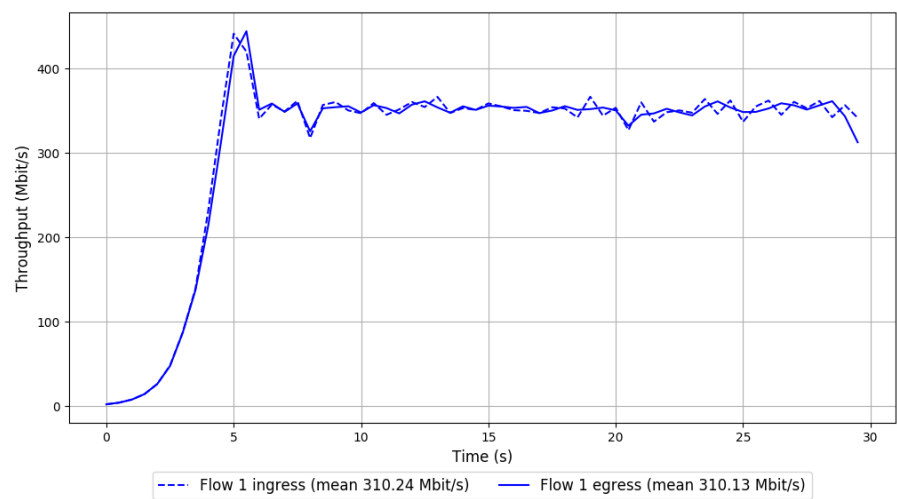
Run 6: Report of CalibratedKoho — Data Link

```
Run 7: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 13:08:06 +0000
End at: Sun, 06 Aug 2017 13:08:36 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:14:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 310.01 Mbit/s
95th percentile per-packet one-way delay: 70.734 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 310.01 Mbit/s
95th percentile per-packet one-way delay: 70.734 ms
Loss rate: 0.41%
```
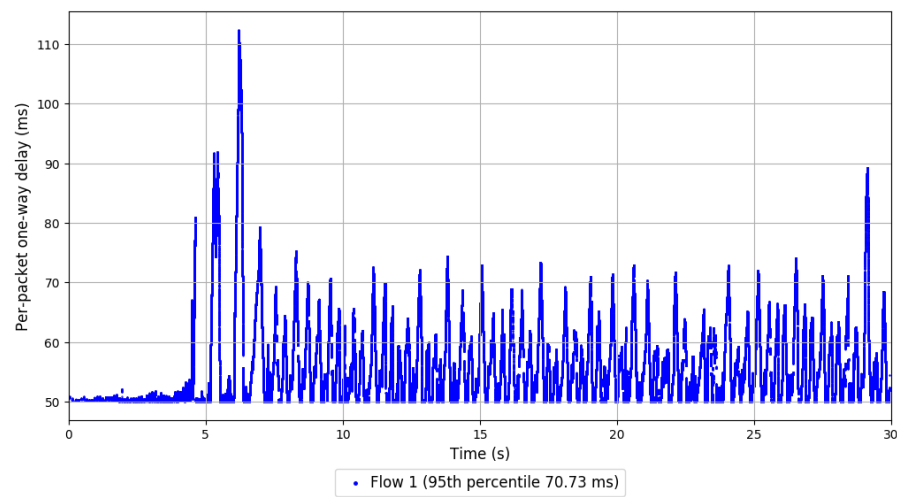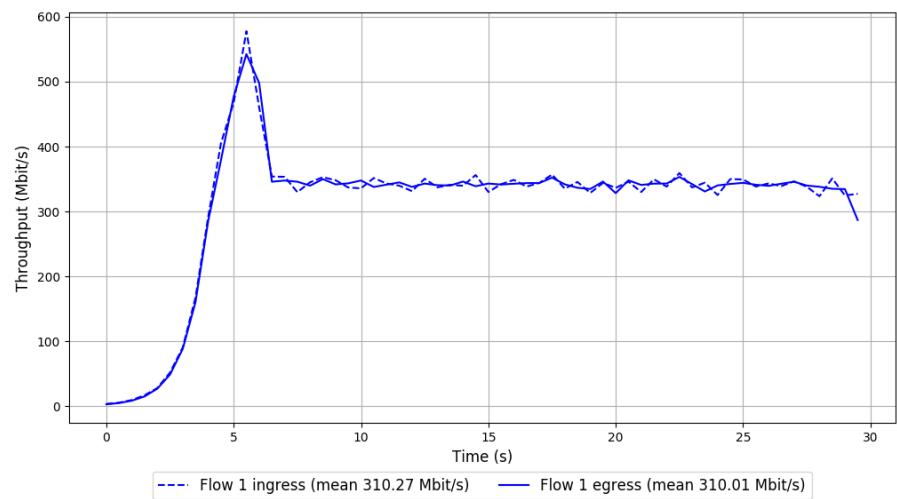
Run 7: Report of CalibratedKoho — Data Link

```
Run 8: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 13:18:32 +0000
End at: Sun, 06 Aug 2017 13:19:02 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:15:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 304.11 Mbit/s
95th percentile per-packet one-way delay: 72.111 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 304.11 Mbit/s
95th percentile per-packet one-way delay: 72.111 ms
Loss rate: 0.43%
```
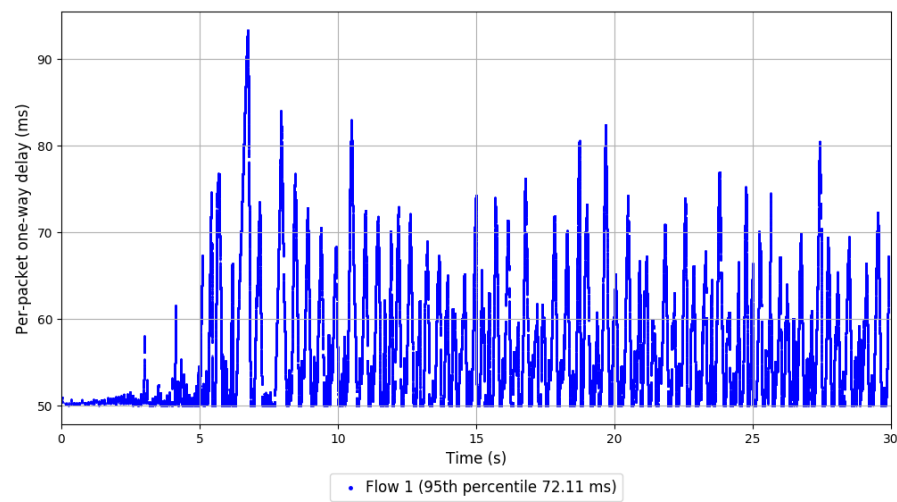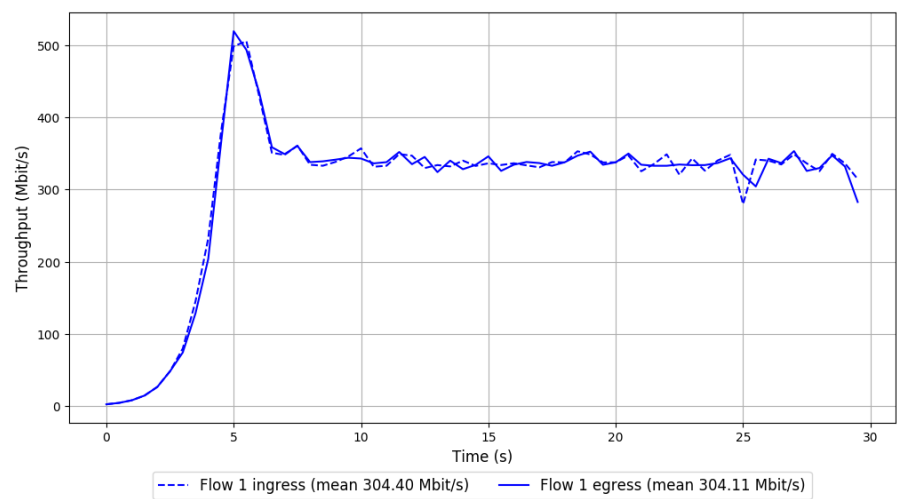
Run 8: Report of CalibratedKoho — Data Link

```
Run 9: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 13:29:10 +0000
End at: Sun, 06 Aug 2017 13:29:40 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:16:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 317.34 Mbit/s
95th percentile per-packet one-way delay: 66.602 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 317.34 Mbit/s
95th percentile per-packet one-way delay: 66.602 ms
Loss rate: 0.56%
```
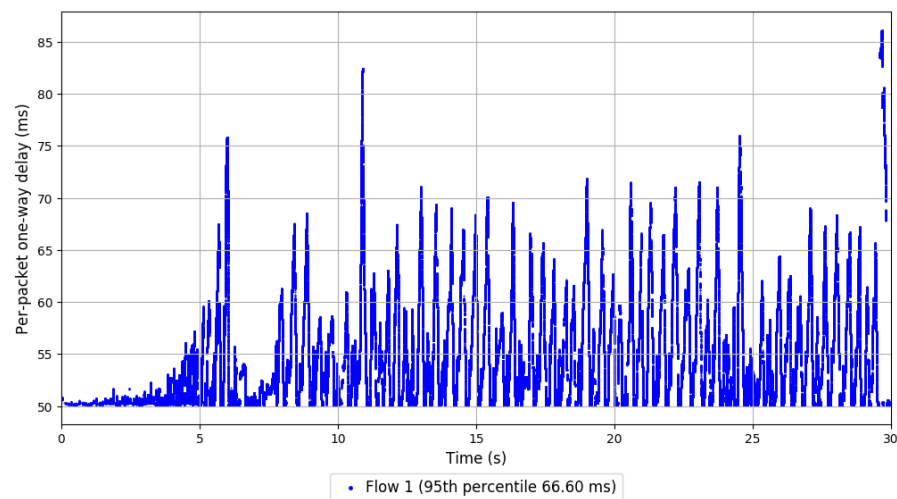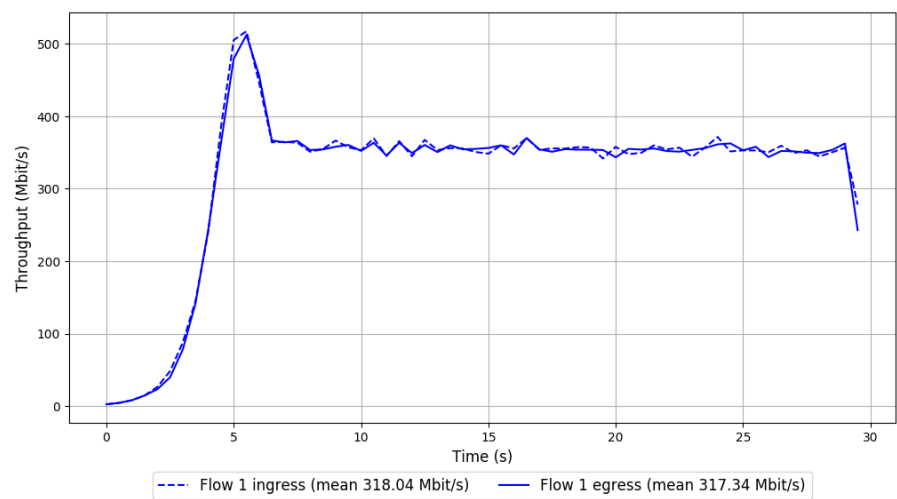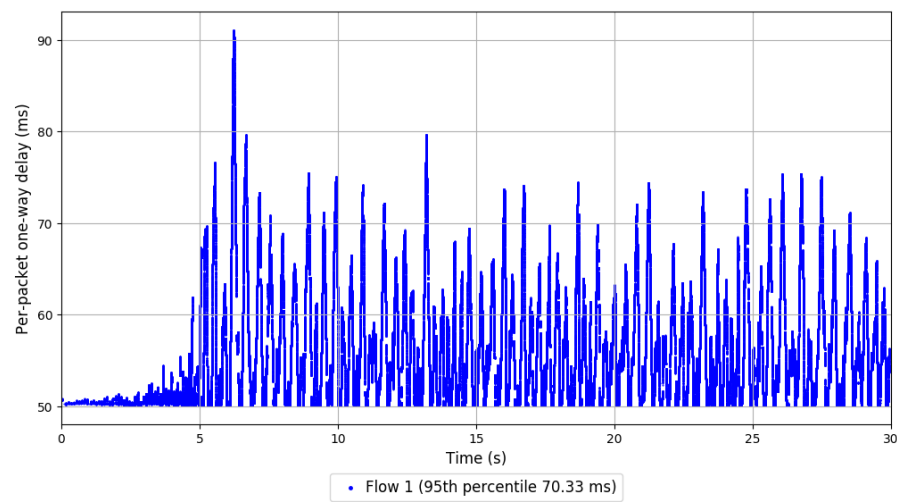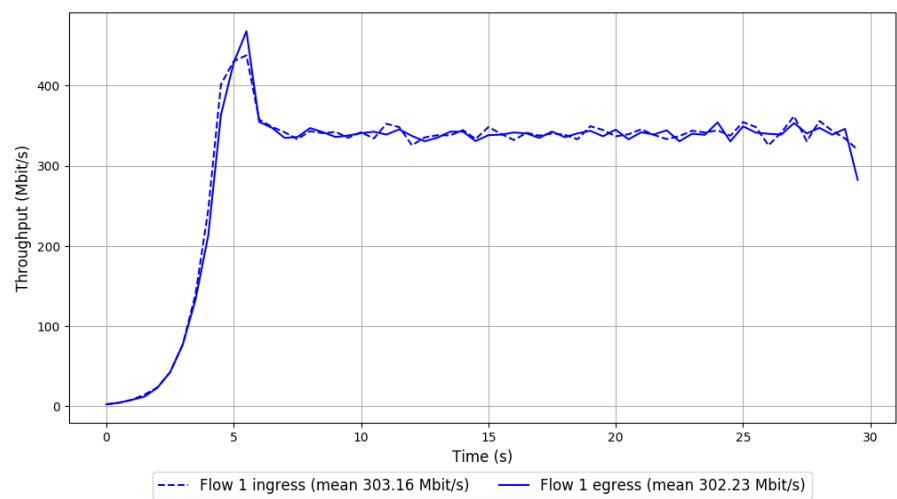
Run 9: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 318.04 Mbit/s)   Flow 1 egress (mean 317.34 Mbit/s)

Flow 1 (95th percentile 66.60 ms)

```
Run 10: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 13:39:37 +0000
End at: Sun, 06 Aug 2017 13:40:07 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:16:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 302.23 Mbit/s
95th percentile per-packet one-way delay: 70.335 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 302.23 Mbit/s
95th percentile per-packet one-way delay: 70.335 ms
Loss rate: 0.63%
```
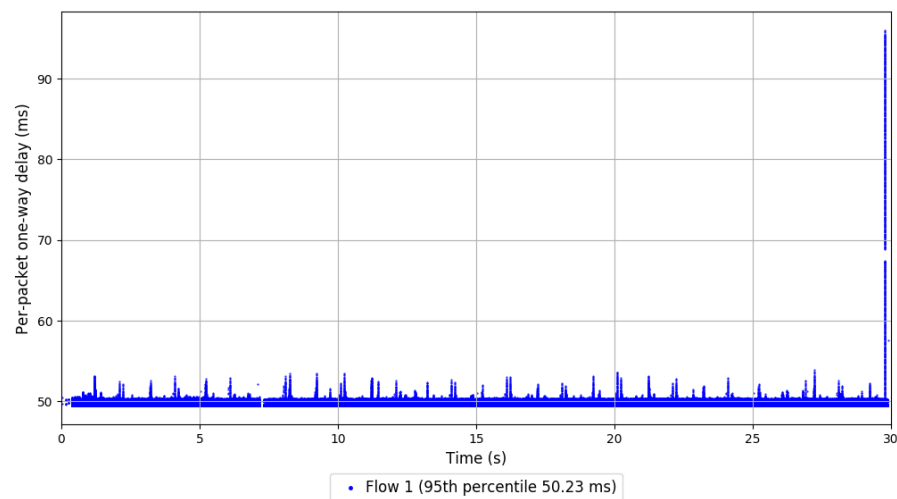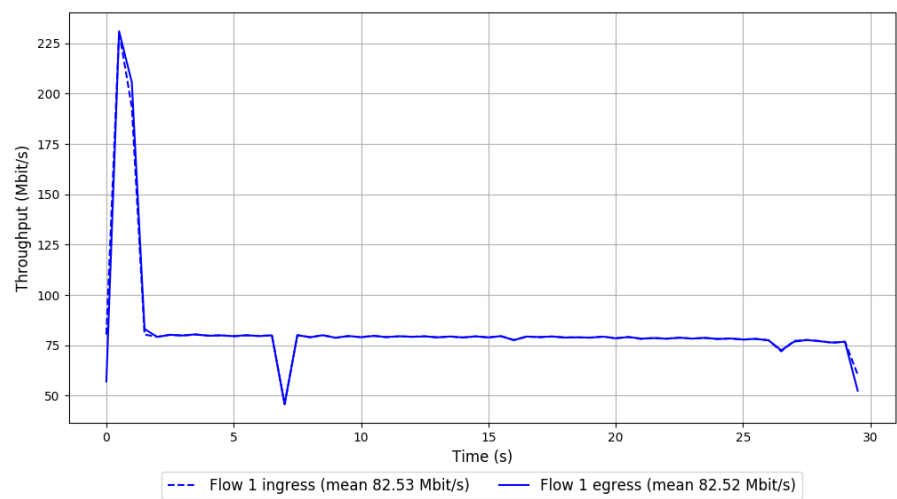
Run 10: Report of CalibratedKoho — Data Link

```
Run 1: Statistics of Copa

Start at: Sun, 06 Aug 2017 12:08:40 +0000
End at: Sun, 06 Aug 2017 12:09:10 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:16:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.52 Mbit/s
95th percentile per-packet one-way delay: 50.235 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 82.52 Mbit/s
95th percentile per-packet one-way delay: 50.235 ms
Loss rate: 0.32%
```
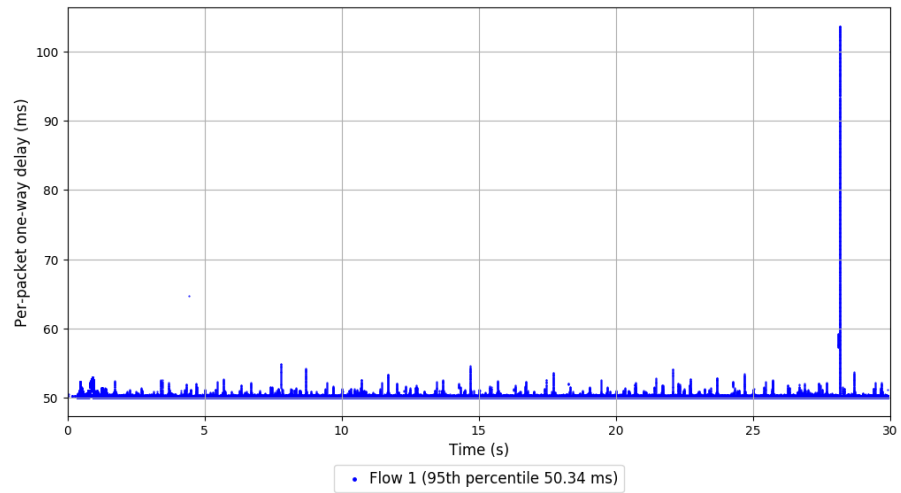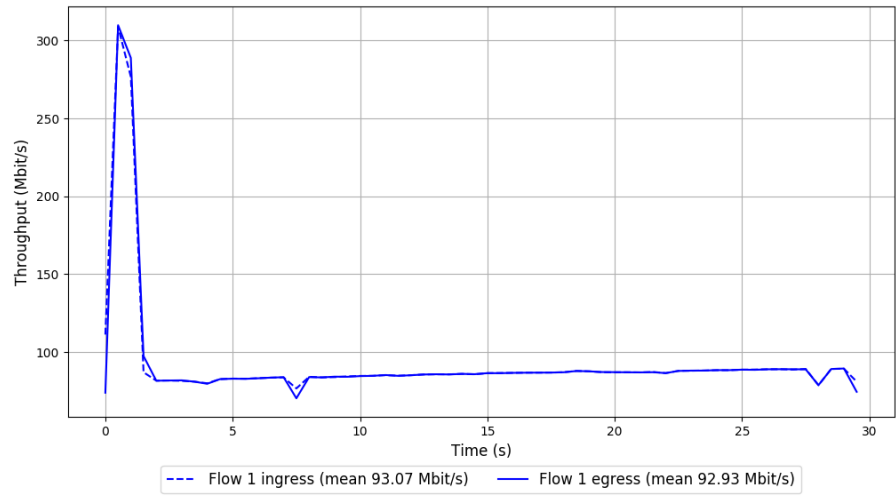
Run 1: Report of Copa — Data Link

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

• Flow 1 (95th percentile 50.23 ms)

```
Run 2: Statistics of Copa

Start at: Sun, 06 Aug 2017 12:19:18 +0000
End at: Sun, 06 Aug 2017 12:19:48 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:17:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 50.335 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 92.93 Mbit/s
95th percentile per-packet one-way delay: 50.335 ms
Loss rate: 0.49%
```

Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: Sun, 06 Aug 2017 12:29:56 +0000
End at: Sun, 06 Aug 2017 12:30:26 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:17:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 54.107 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 89.85 Mbit/s
95th percentile per-packet one-way delay: 54.107 ms
Loss rate: 0.41%
```
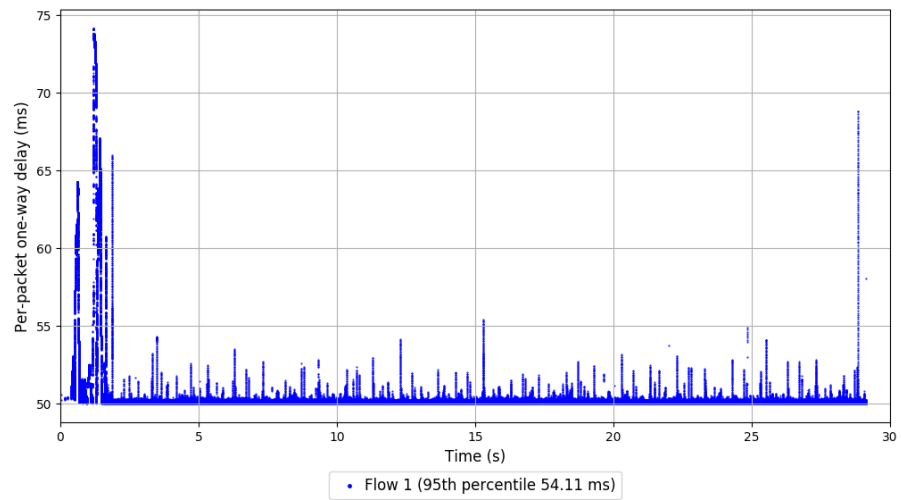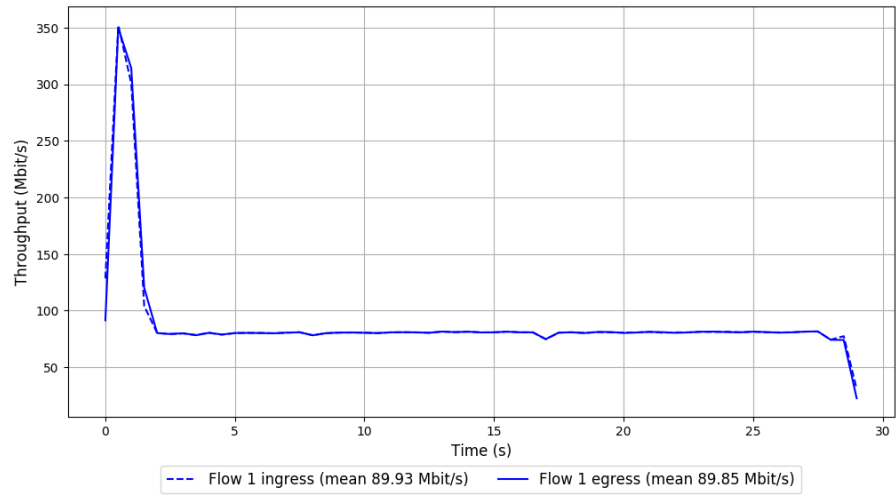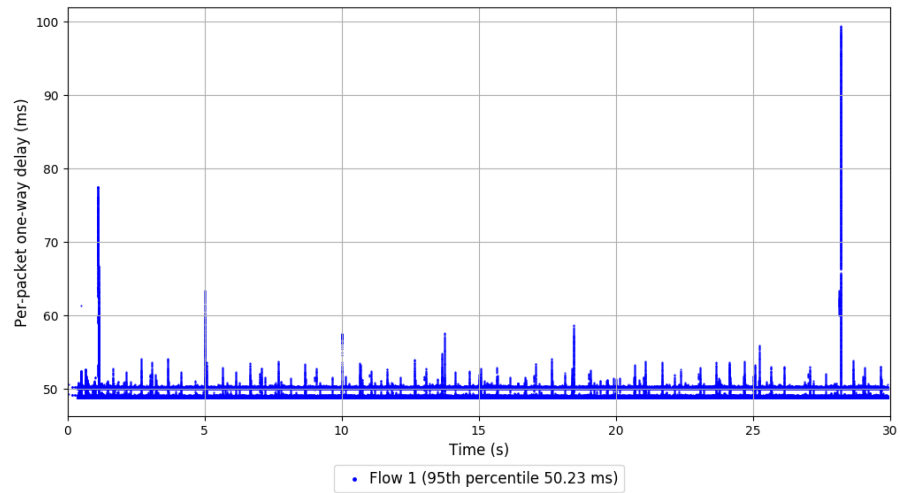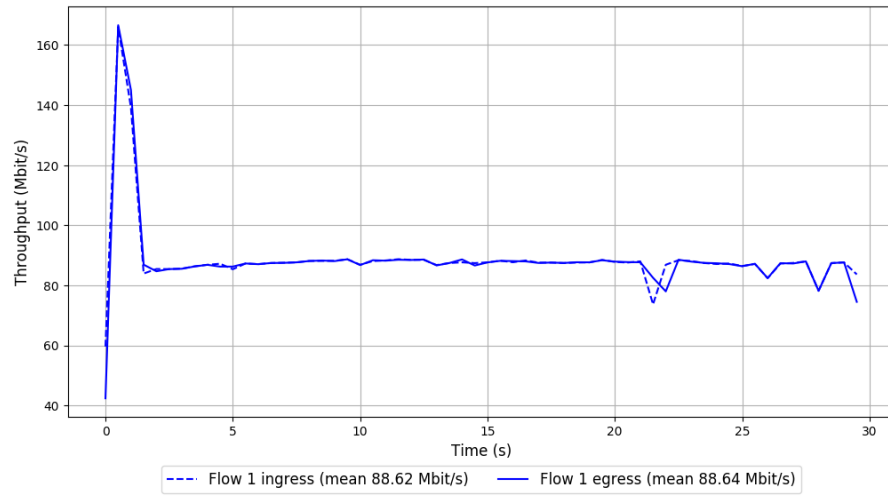
Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 89.93 Mbit/s) ----- Flow 1 egress (mean 89.85 Mbit/s) ———

• Flow 1 (95th percentile 54.11 ms)

```
Run 4: Statistics of Copa

Start at: Sun, 06 Aug 2017 12:40:29 +0000
End at: Sun, 06 Aug 2017 12:40:59 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:17:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 50.234 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 88.64 Mbit/s
95th percentile per-packet one-way delay: 50.234 ms
Loss rate: 0.34%
```
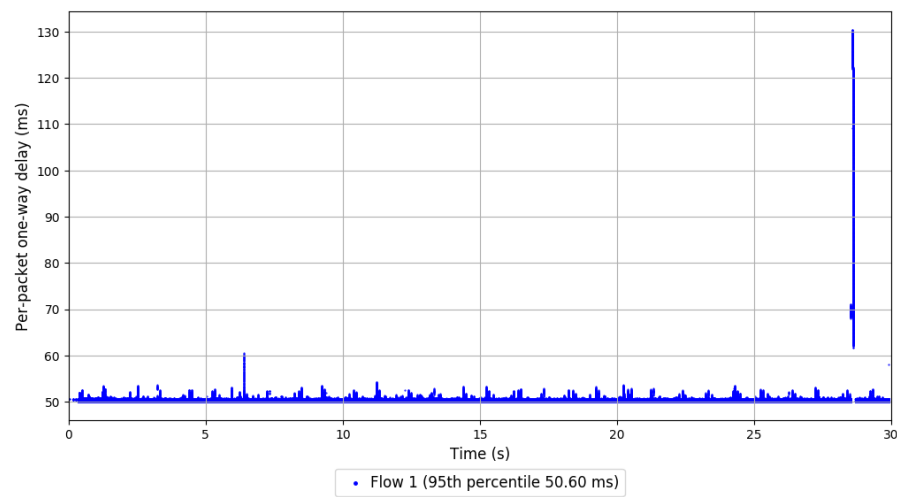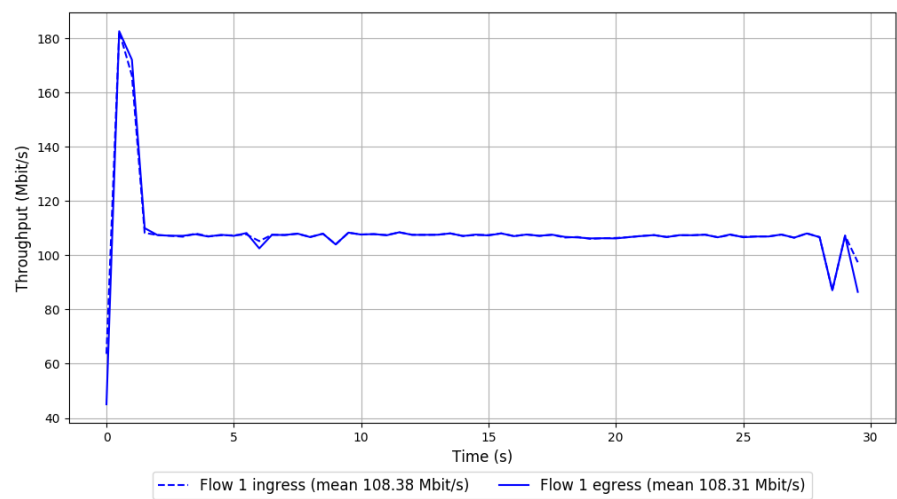
Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 88.62 Mbit/s)   Flow 1 egress (mean 88.64 Mbit/s)

Flow 1 (95th percentile 50.23 ms)

```
Run 5: Statistics of Copa

Start at: Sun, 06 Aug 2017 12:50:59 +0000
End at: Sun, 06 Aug 2017 12:51:29 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:17:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.31 Mbit/s
95th percentile per-packet one-way delay: 50.604 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 108.31 Mbit/s
95th percentile per-packet one-way delay: 50.604 ms
Loss rate: 0.37%
```
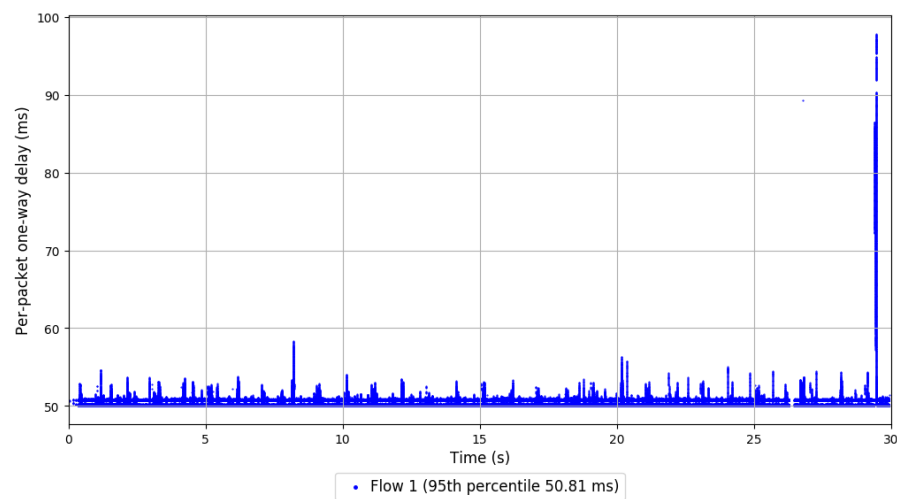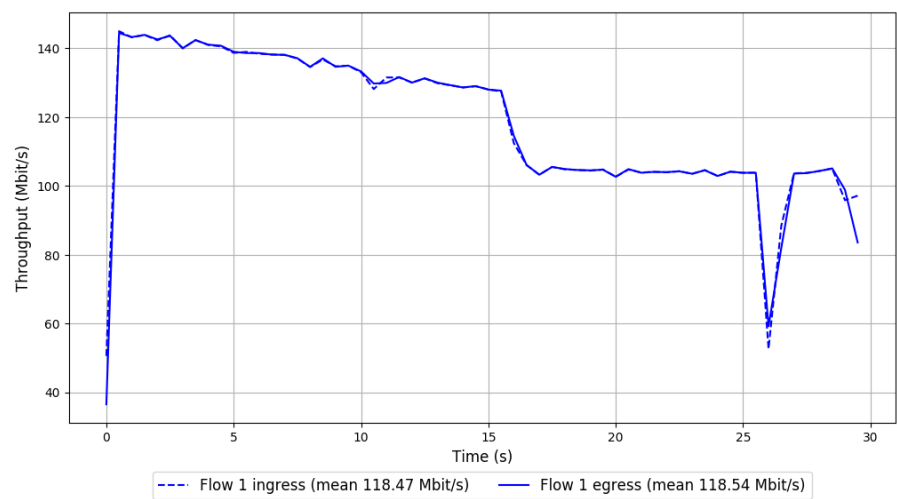
Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: Sun, 06 Aug 2017 13:01:45 +0000
End at: Sun, 06 Aug 2017 13:02:15 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:18:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.54 Mbit/s
95th percentile per-packet one-way delay: 50.806 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 118.54 Mbit/s
95th percentile per-packet one-way delay: 50.806 ms
Loss rate: 0.30%
```
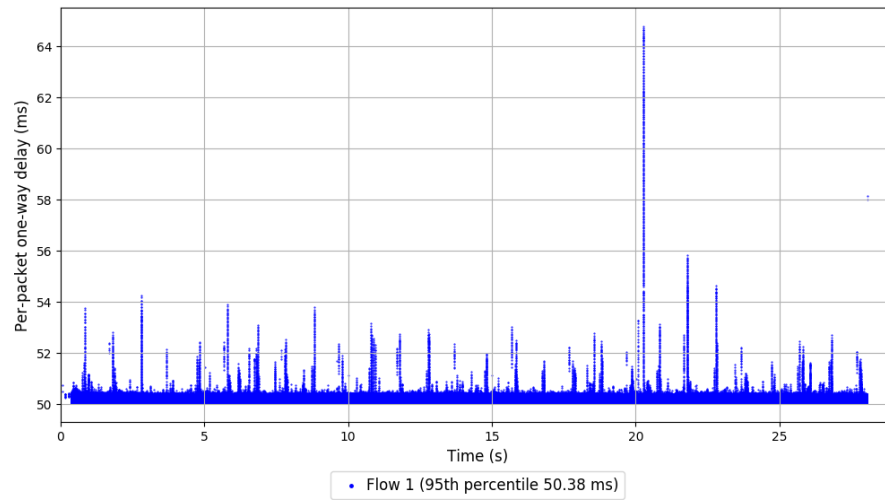
Run 6: Report of Copa — Data Link

```
Run 7: Statistics of Copa

Start at: Sun, 06 Aug 2017 13:12:21 +0000
End at: Sun, 06 Aug 2017 13:12:51 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:18:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 50.379 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 50.379 ms
Loss rate: 0.57%
```
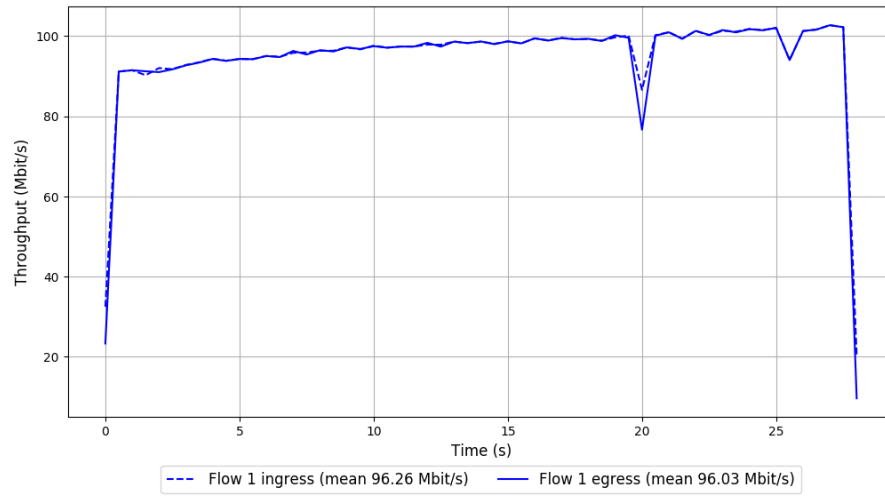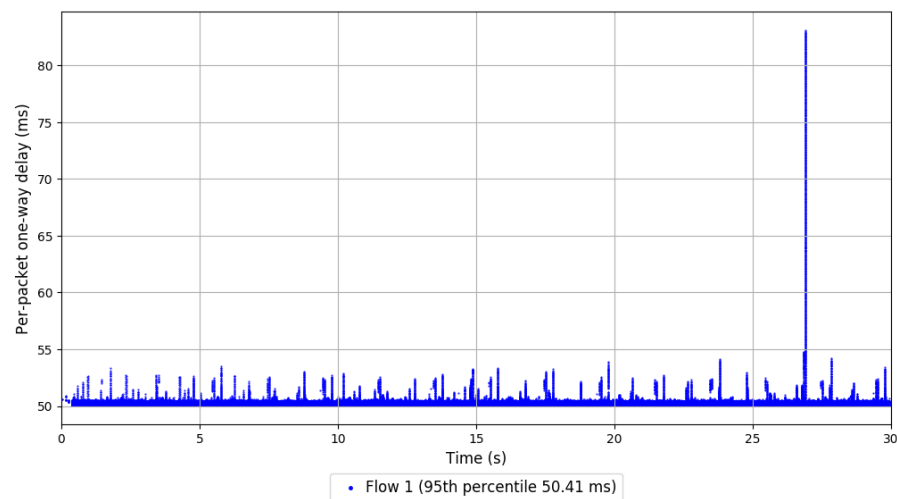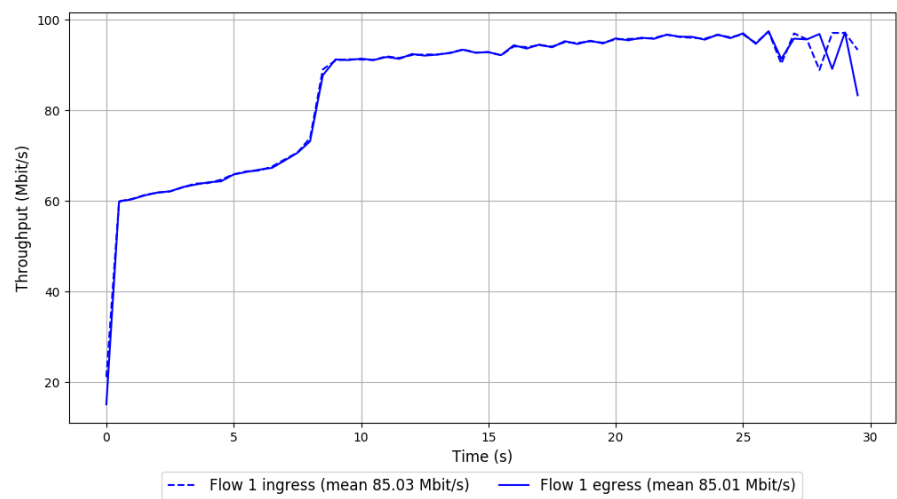
Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 96.26 Mbit/s)   Flow 1 egress (mean 96.03 Mbit/s)

Flow 1 (95th percentile 50.38 ms)

```
Run 8: Statistics of Copa

Start at: Sun, 06 Aug 2017 13:22:51 +0000
End at: Sun, 06 Aug 2017 13:23:21 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:18:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 50.415 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 50.415 ms
Loss rate: 0.39%
```
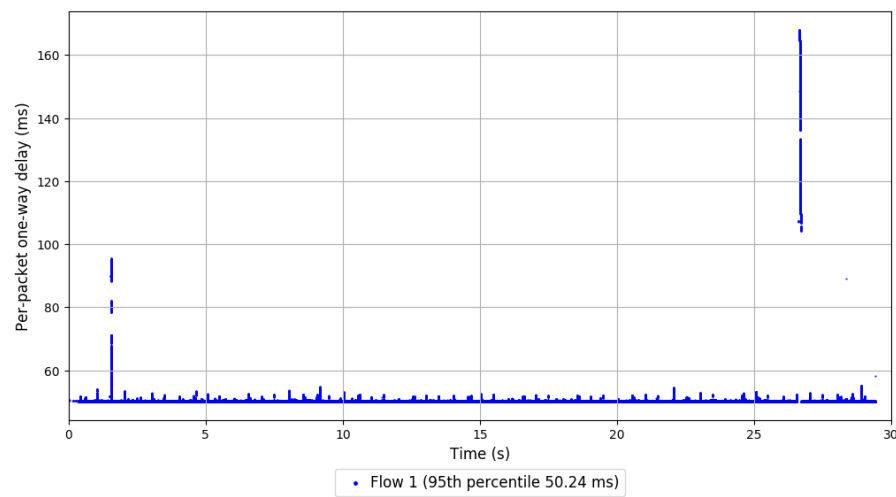
Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: Sun, 06 Aug 2017 13:33:26 +0000
End at: Sun, 06 Aug 2017 13:33:56 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:19:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.23 Mbit/s
95th percentile per-packet one-way delay: 50.236 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 131.23 Mbit/s
95th percentile per-packet one-way delay: 50.236 ms
Loss rate: 0.32%
```
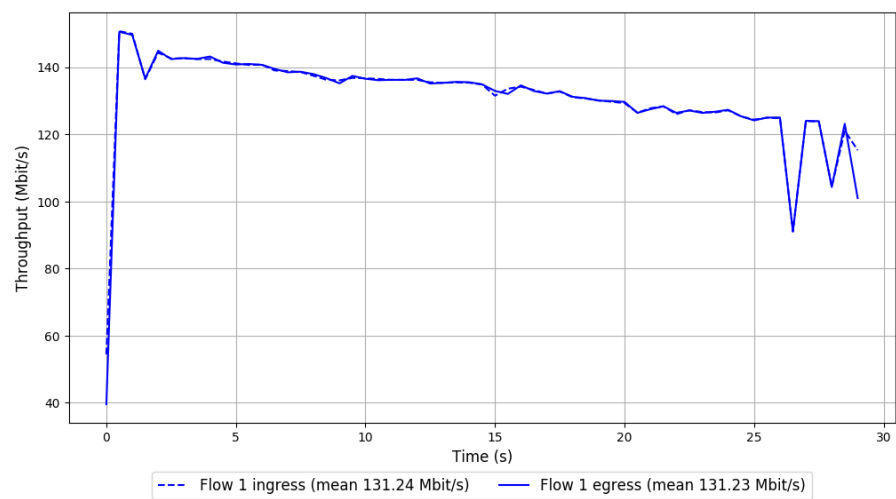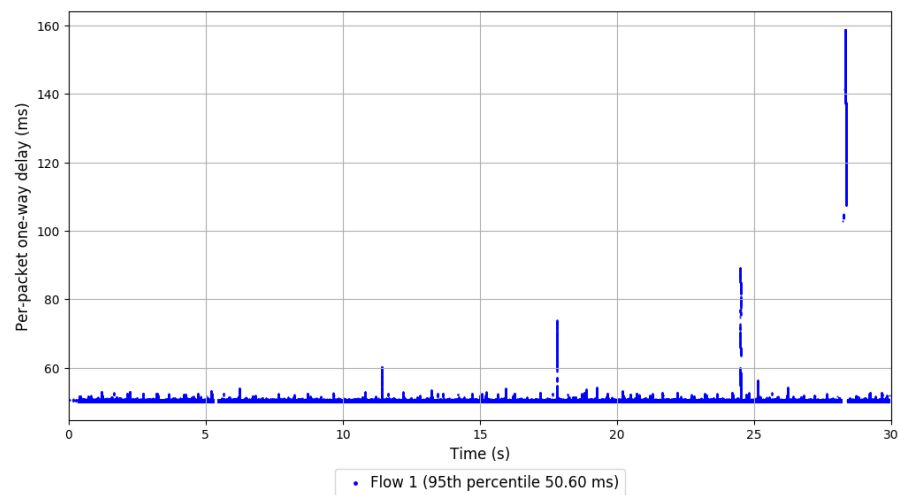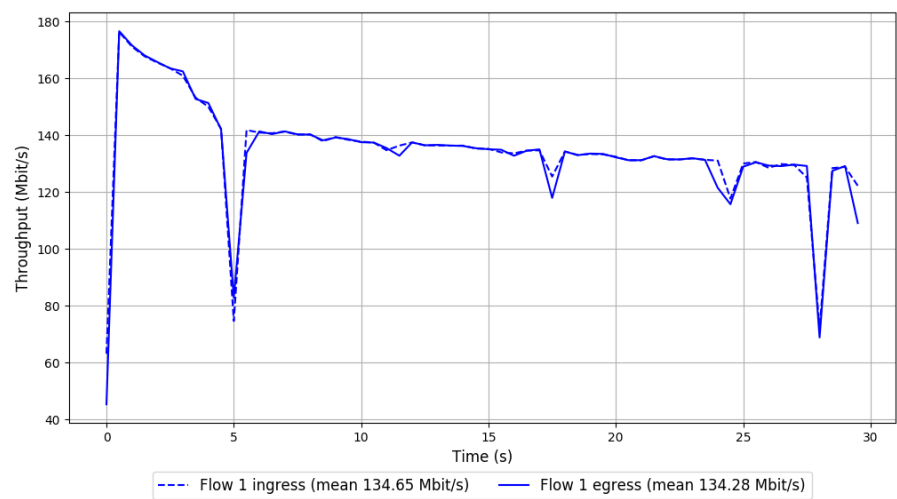
Run 9: Report of Copa — Data Link

```
Run 10: Statistics of Copa

Start at: Sun, 06 Aug 2017 13:43:53 +0000
End at: Sun, 06 Aug 2017 13:44:23 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:19:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.28 Mbit/s
95th percentile per-packet one-way delay: 50.605 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 134.28 Mbit/s
95th percentile per-packet one-way delay: 50.605 ms
Loss rate: 0.61%
```

Run 10: Report of Copa — Data Link

```
Run 1: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 12:09:25 +0000
End at: Sun, 06 Aug 2017 12:09:55 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:19:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.42 Mbit/s
95th percentile per-packet one-way delay: 51.611 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 85.42 Mbit/s
95th percentile per-packet one-way delay: 51.611 ms
Loss rate: 0.72%
```
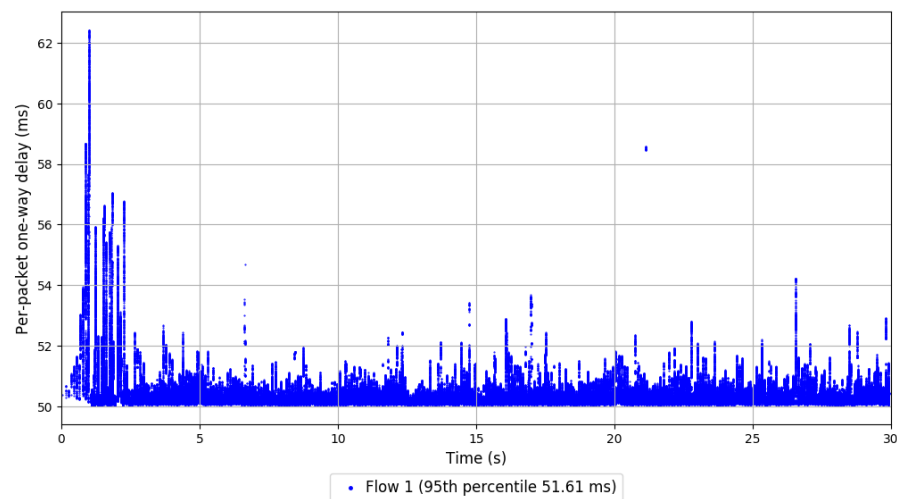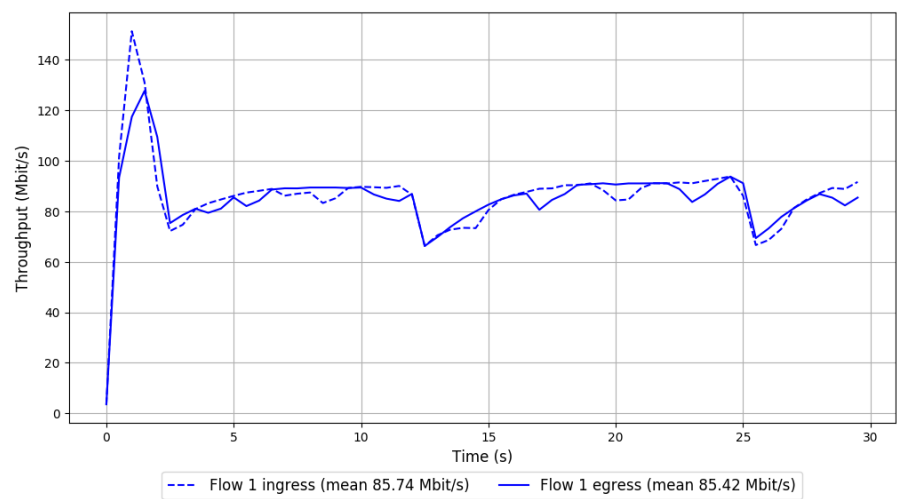
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 12:20:04 +0000
End at: Sun, 06 Aug 2017 12:20:34 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:19:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 53.250 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 94.55 Mbit/s
95th percentile per-packet one-way delay: 53.250 ms
Loss rate: 0.58%
```
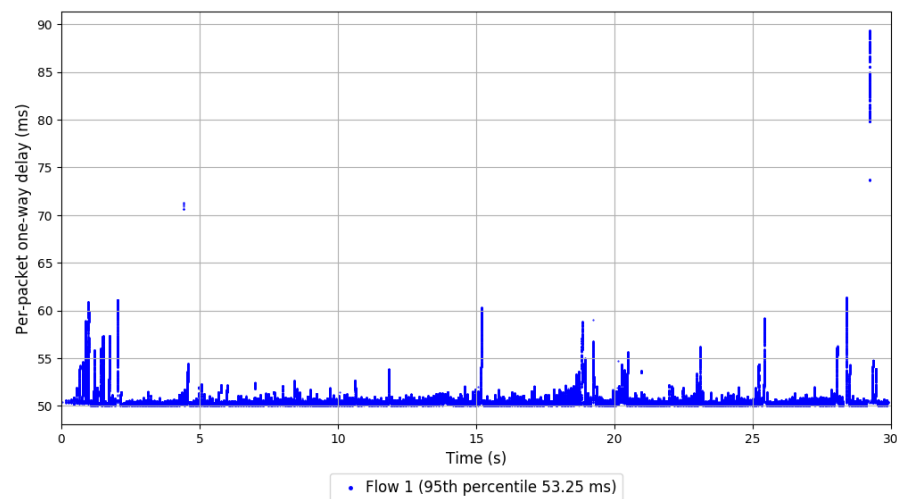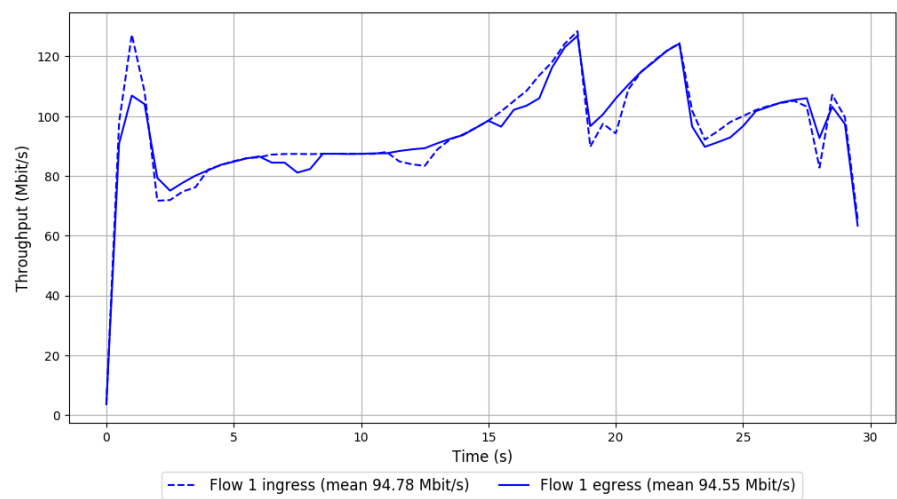
Run 2: Report of TCP Cubic — Data Link

```
Run 3: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 12:30:41 +0000
End at: Sun, 06 Aug 2017 12:31:11 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:19:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.47 Mbit/s
95th percentile per-packet one-way delay: 52.032 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 92.47 Mbit/s
95th percentile per-packet one-way delay: 52.032 ms
Loss rate: 0.42%
```
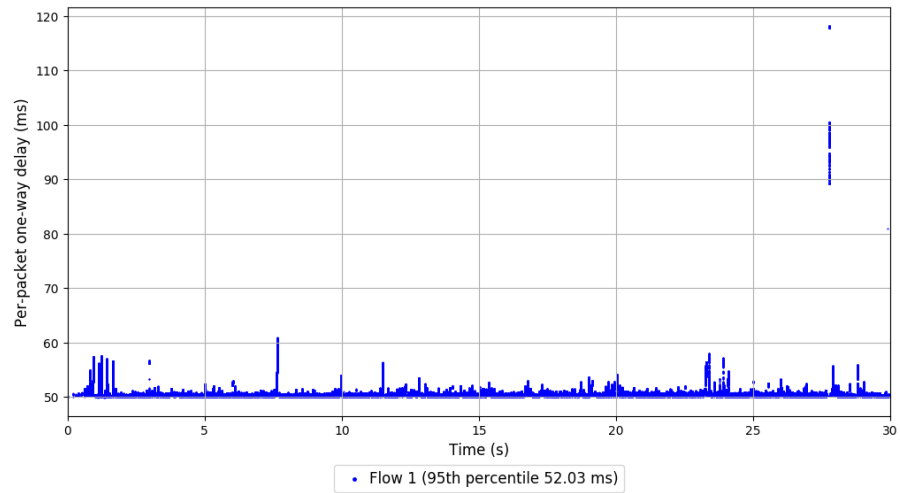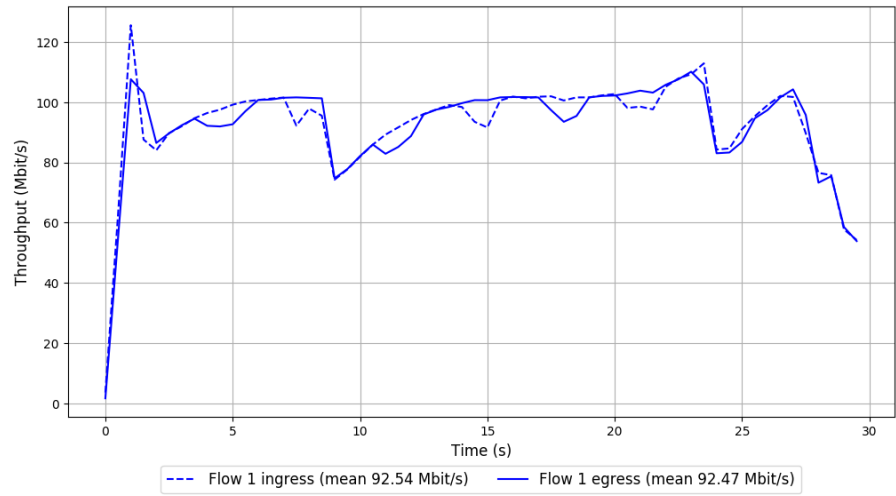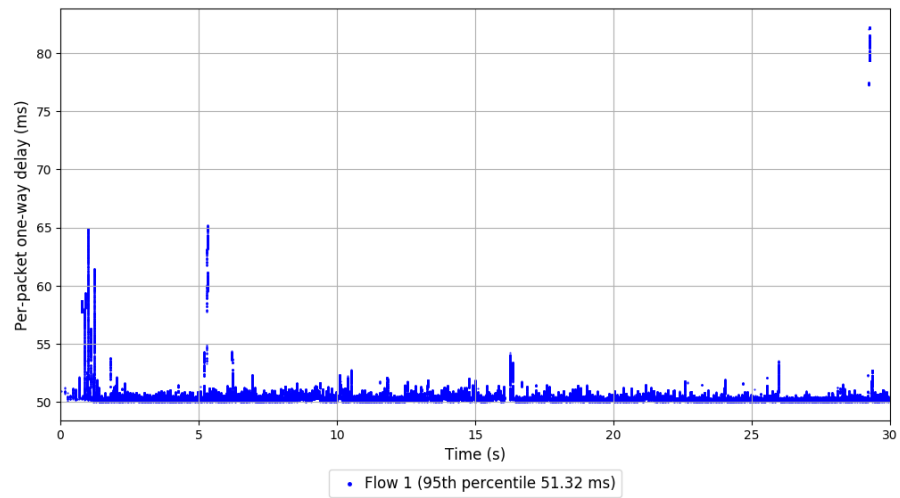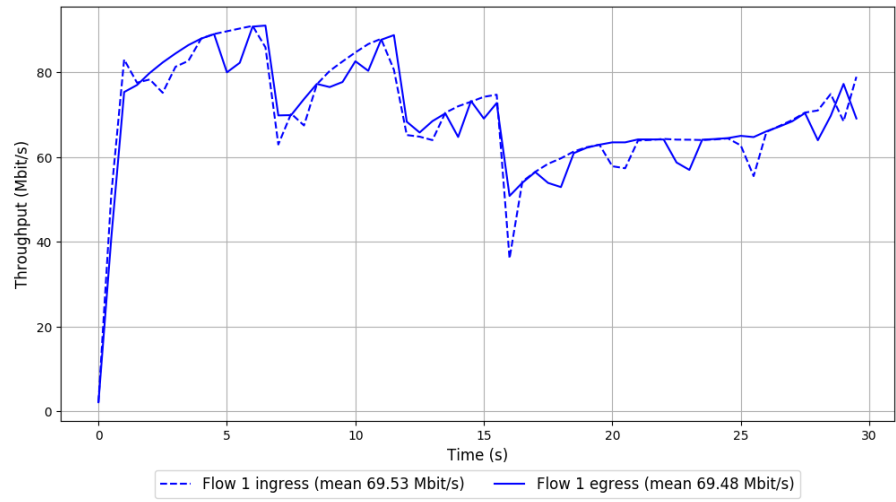
Run 3: Report of TCP Cubic — Data Link

```
Run 4: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 12:41:15 +0000
End at: Sun, 06 Aug 2017 12:41:45 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.48 Mbit/s
95th percentile per-packet one-way delay: 51.322 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 69.48 Mbit/s
95th percentile per-packet one-way delay: 51.322 ms
Loss rate: 0.42%
```

Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 12:51:46 +0000
End at: Sun, 06 Aug 2017 12:52:16 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 51.555 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 96.22 Mbit/s
95th percentile per-packet one-way delay: 51.555 ms
Loss rate: 0.34%
```
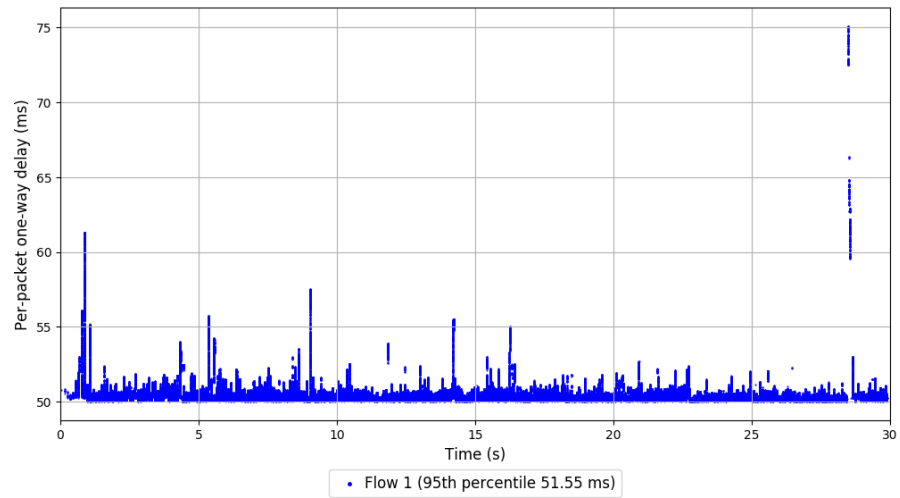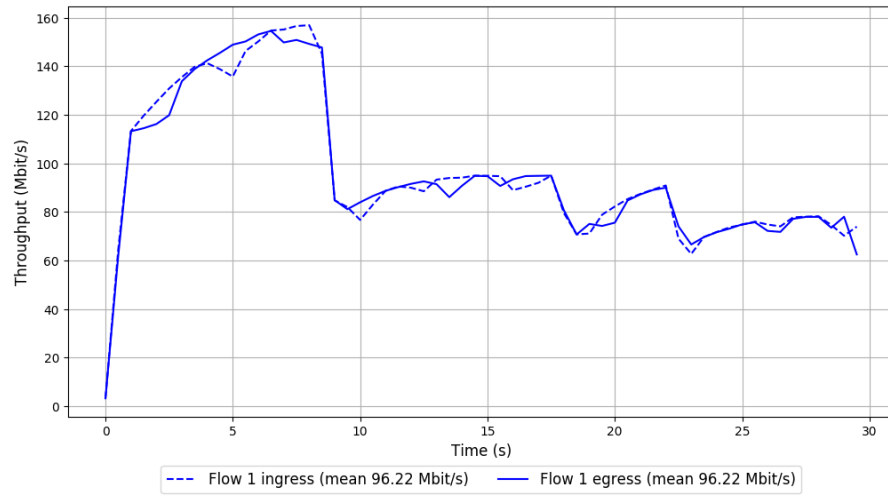
Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 13:02:33 +0000
End at: Sun, 06 Aug 2017 13:03:03 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 38.20 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 1.04%
```
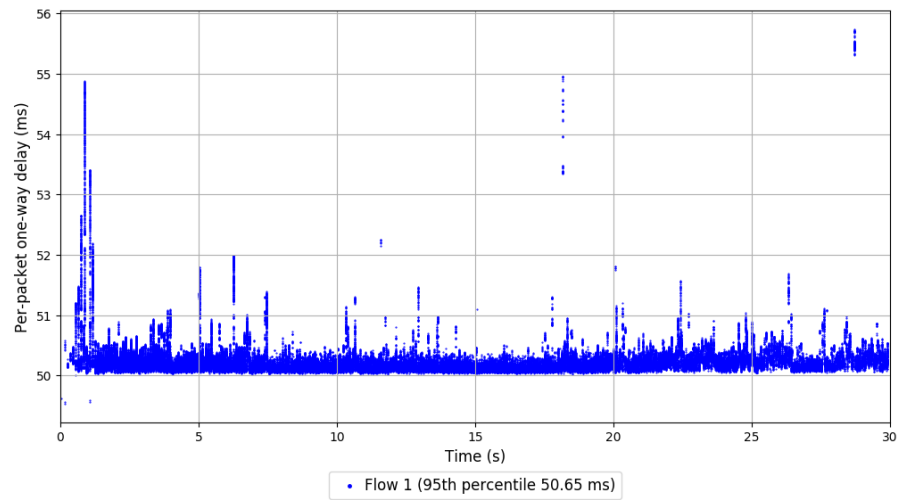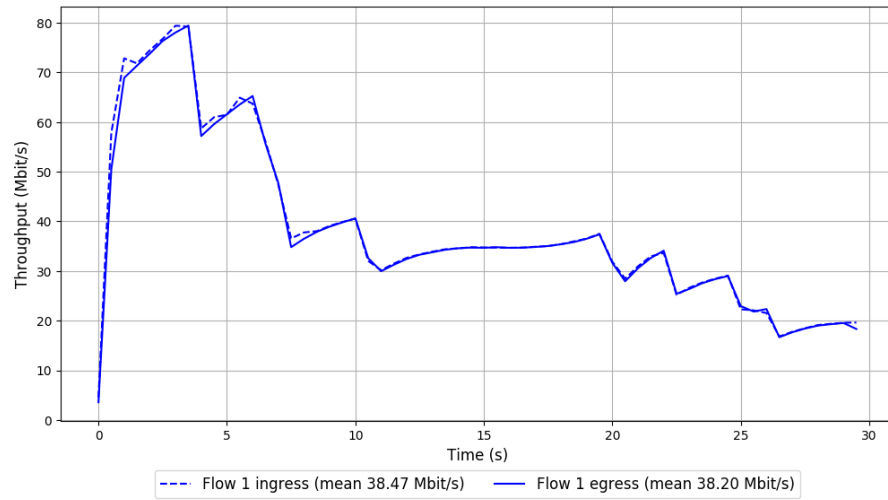
Run 6: Report of TCP Cubic — Data Link

```
Run 7: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 13:13:06 +0000
End at: Sun, 06 Aug 2017 13:13:36 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.13 Mbit/s
95th percentile per-packet one-way delay: 51.425 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 82.13 Mbit/s
95th percentile per-packet one-way delay: 51.425 ms
Loss rate: 0.49%
```
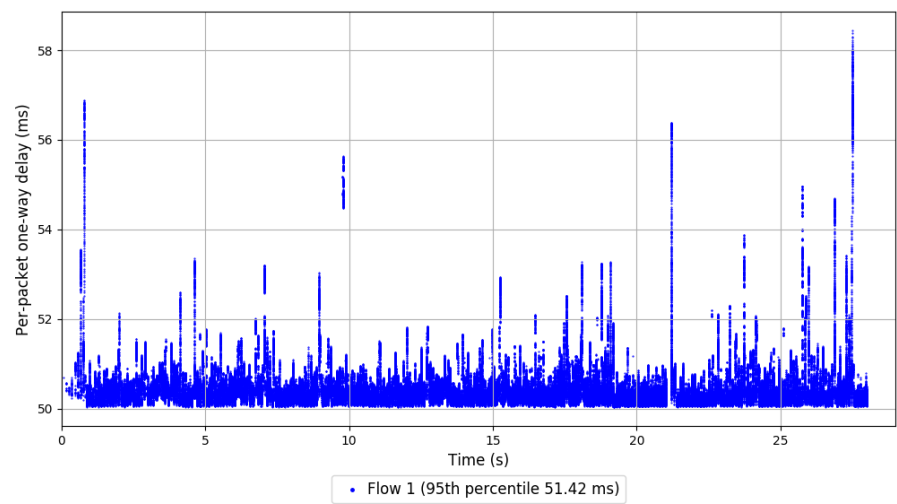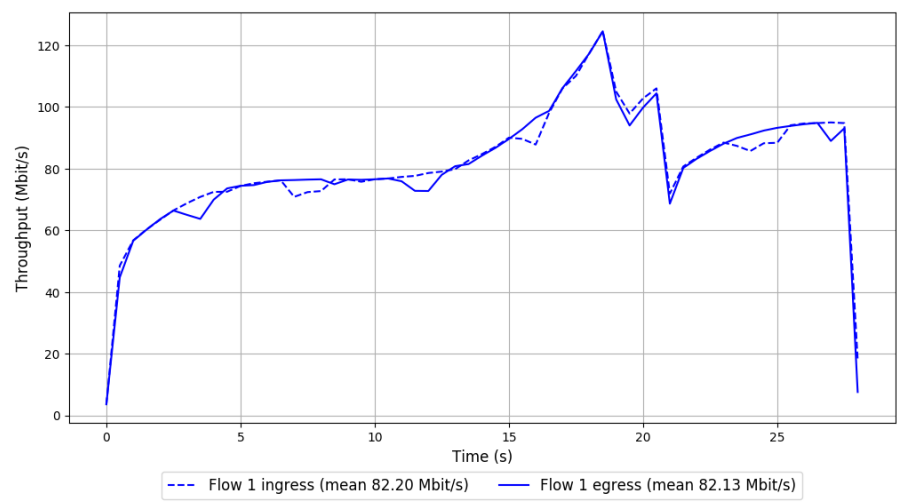
Run 7: Report of TCP Cubic — Data Link

```
Run 8: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 13:23:36 +0000
End at: Sun, 06 Aug 2017 13:24:06 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.98 Mbit/s
95th percentile per-packet one-way delay: 50.819 ms
Loss rate: 1.91%
-- Flow 1:
Average throughput: 21.98 Mbit/s
95th percentile per-packet one-way delay: 50.819 ms
Loss rate: 1.91%
```
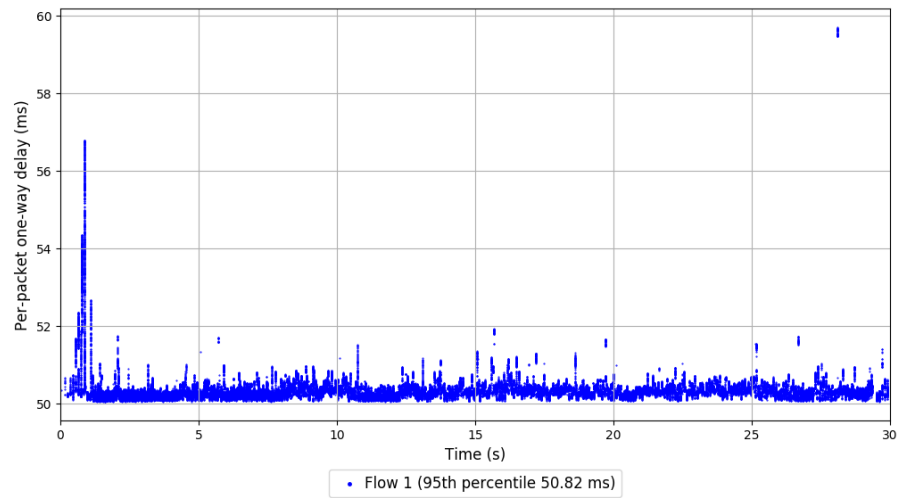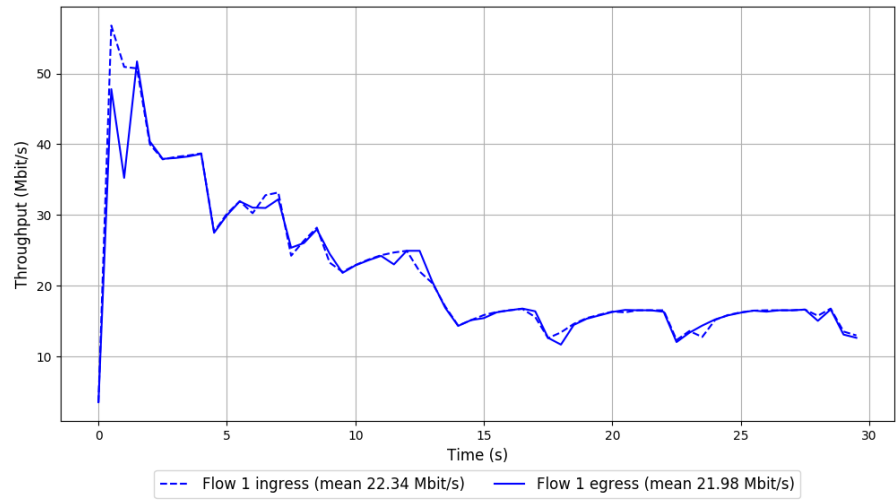
Run 8: Report of TCP Cubic — Data Link

```
Run 9: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 13:34:16 +0000
End at: Sun, 06 Aug 2017 13:34:46 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.70 Mbit/s
95th percentile per-packet one-way delay: 52.187 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 75.70 Mbit/s
95th percentile per-packet one-way delay: 52.187 ms
Loss rate: 0.74%
```
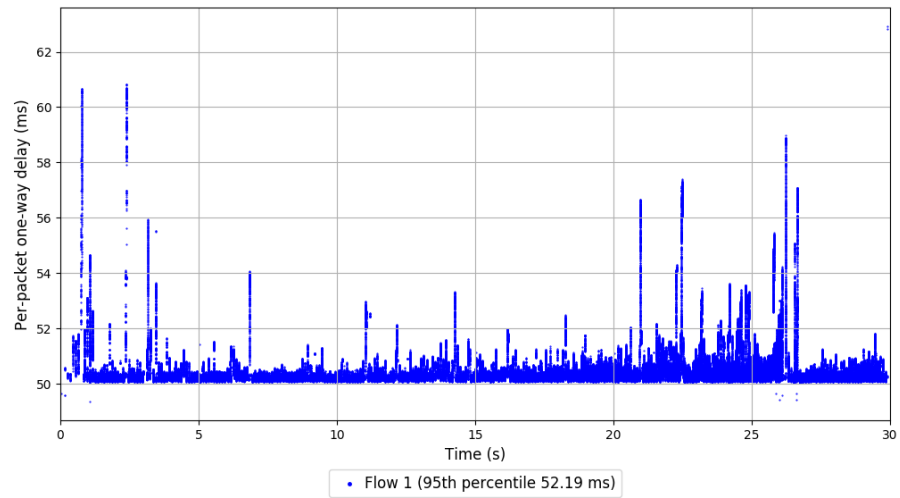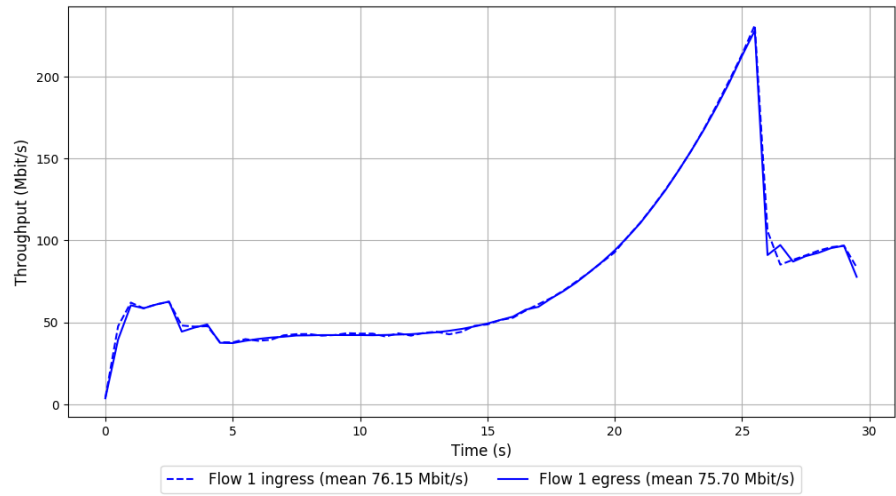
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 76.15 Mbit/s)   Flow 1 egress (mean 75.70 Mbit/s)

Flow 1 (95th percentile 52.19 ms)

```
Run 10: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 13:44:42 +0000
End at: Sun, 06 Aug 2017 13:45:12 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 50.762 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 24.51 Mbit/s
95th percentile per-packet one-way delay: 50.762 ms
Loss rate: 0.77%
```
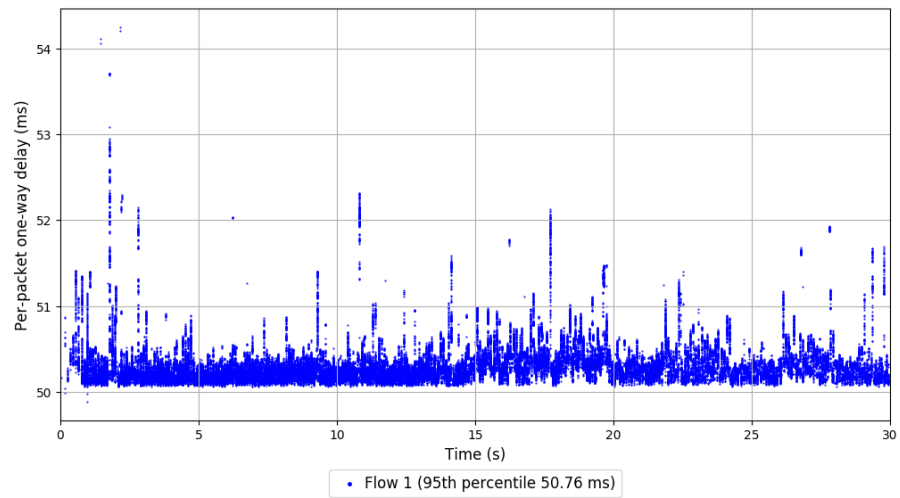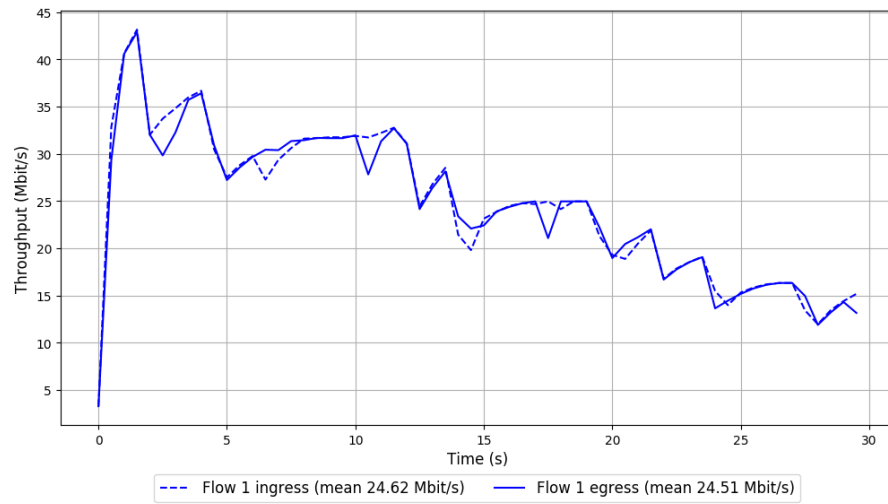
Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 12:00:58 +0000
End at: Sun, 06 Aug 2017 12:01:28 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 50.920 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 50.920 ms
Loss rate: 0.35%
```
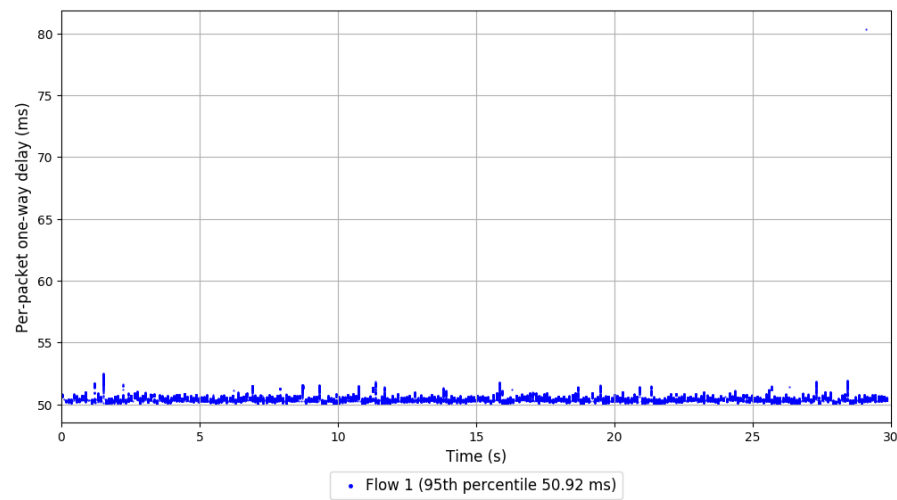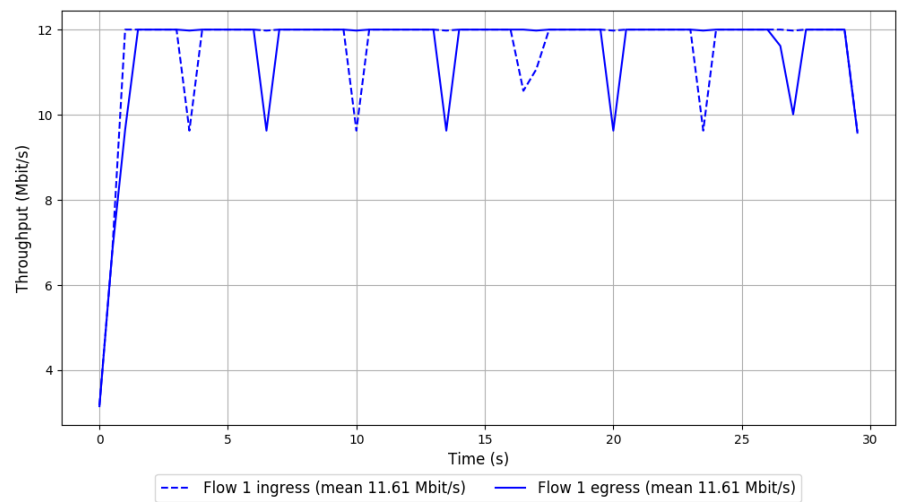
Run 1: Report of KohoCC — Data Link

```
Run 2: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 12:11:28 +0000
End at: Sun, 06 Aug 2017 12:11:58 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.63 Mbit/s
95th percentile per-packet one-way delay: 50.870 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 11.63 Mbit/s
95th percentile per-packet one-way delay: 50.870 ms
Loss rate: 0.93%
```
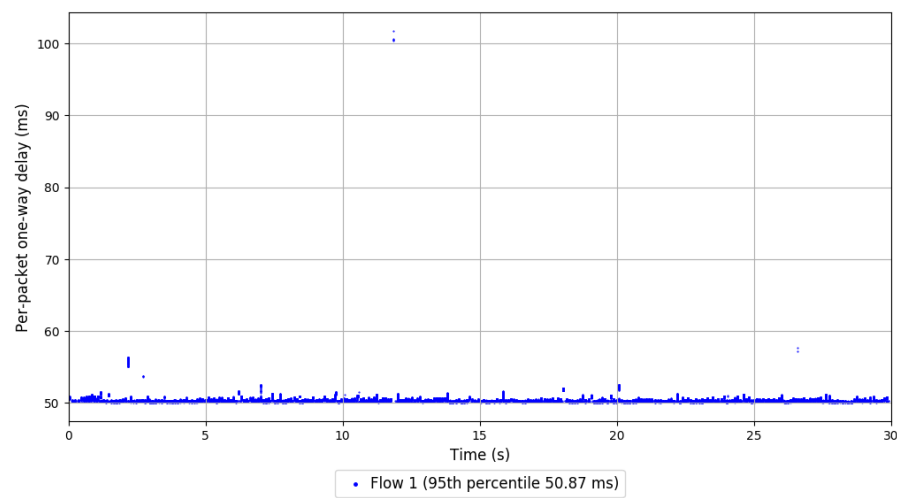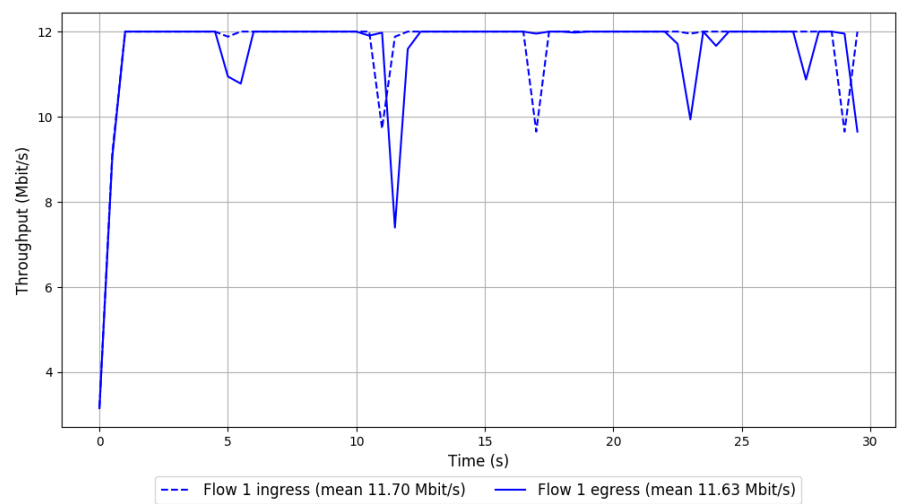
Run 2: Report of KohoCC — Data Link

Flow 1 ingress (mean 11.70 Mbit/s)   Flow 1 egress (mean 11.63 Mbit/s)

Flow 1 (95th percentile 50.87 ms)

```
Run 3: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 12:22:12 +0000
End at: Sun, 06 Aug 2017 12:22:42 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 50.965 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 11.52 Mbit/s
95th percentile per-packet one-way delay: 50.965 ms
Loss rate: 0.50%
```
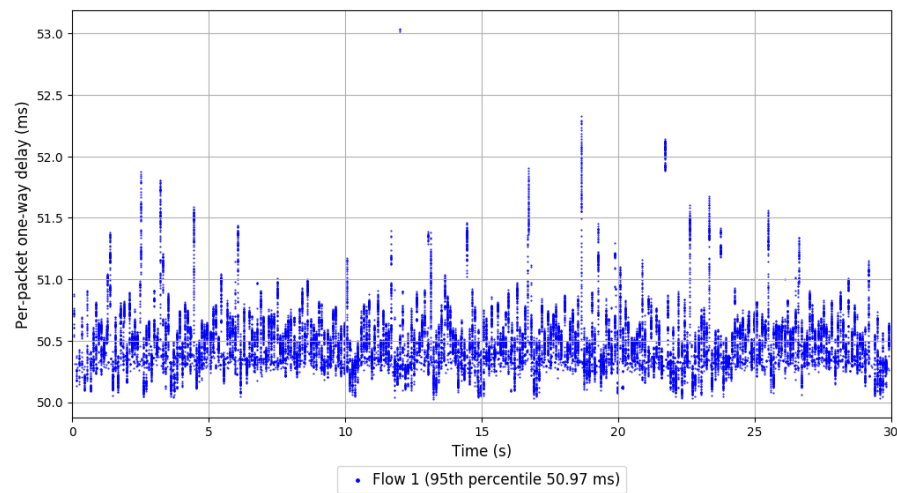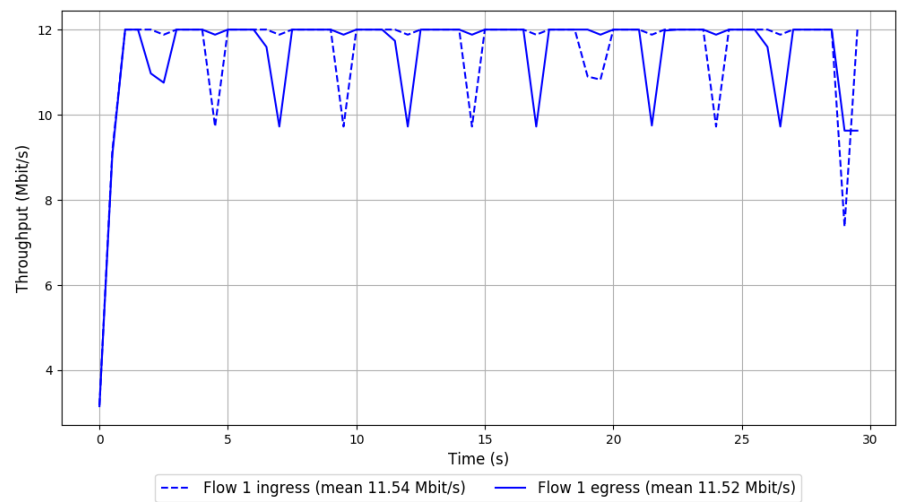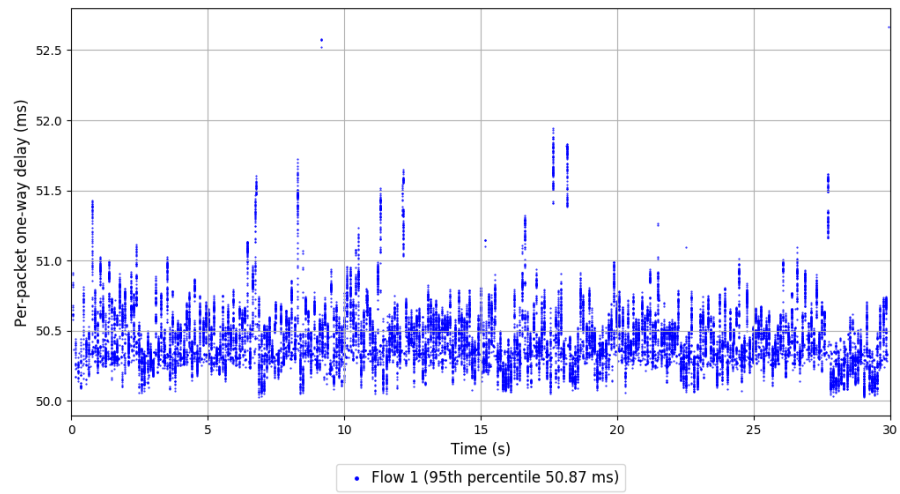
Run 3: Report of KohoCC — Data Link

Flow 1 ingress (mean 11.54 Mbit/s) --- Flow 1 egress (mean 11.52 Mbit/s)

Flow 1 (95th percentile 50.97 ms)

```
Run 4: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 12:32:44 +0000
End at: Sun, 06 Aug 2017 12:33:14 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 50.868 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 50.868 ms
Loss rate: 0.38%
```
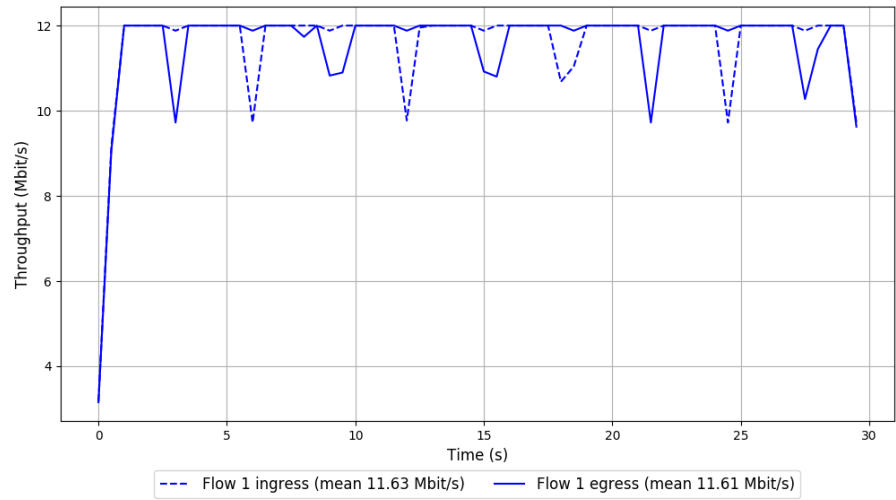
Run 4: Report of KohoCC — Data Link

Flow 1 ingress (mean 11.63 Mbit/s)   Flow 1 egress (mean 11.61 Mbit/s)

Flow 1 (95th percentile 50.87 ms)
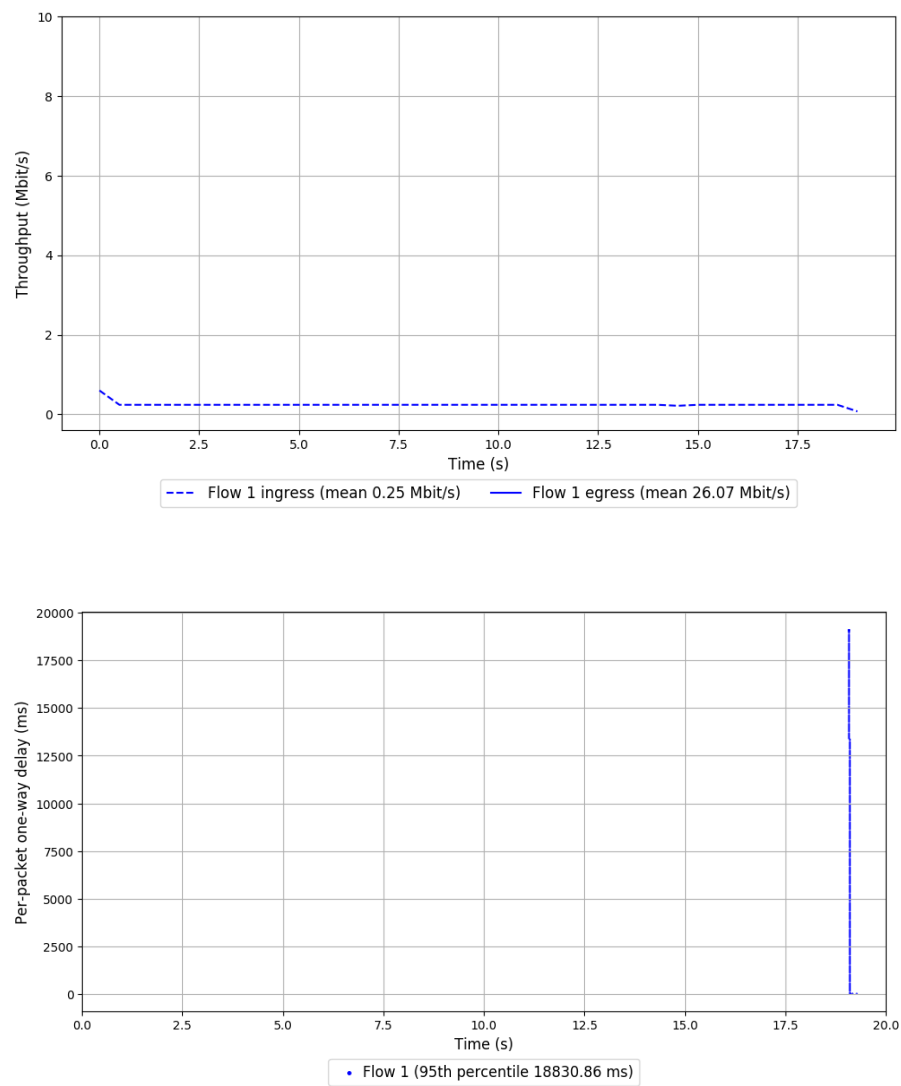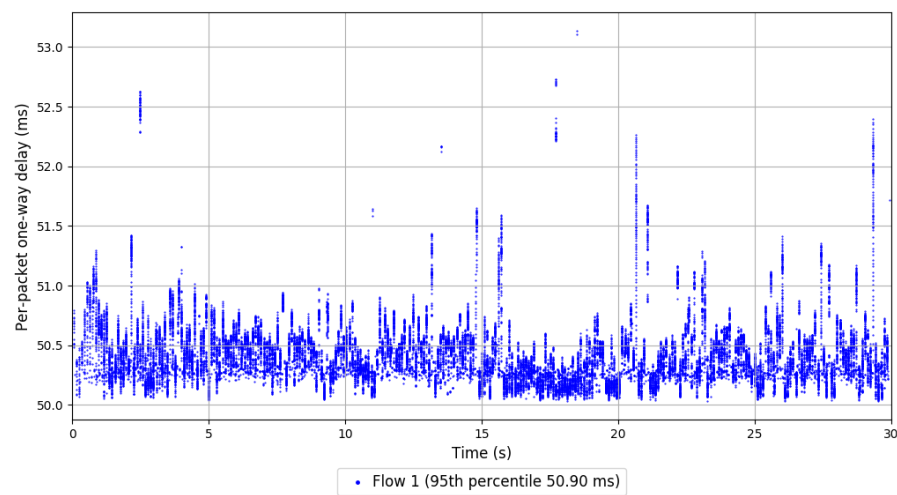
Run 5: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 12:43:16 +0000
End at: Sun, 06 Aug 2017 12:43:46 +0000

Run 5: Report of KohoCC — Data Link

Flow 1 ingress (mean 0.25 Mbit/s) Flow 1 egress (mean 26.07 Mbit/s)

Flow 1 (95th percentile 18830.86 ms)

```
Run 6: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 12:53:50 +0000
End at: Sun, 06 Aug 2017 12:54:20 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 50.898 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 11.68 Mbit/s
95th percentile per-packet one-way delay: 50.898 ms
Loss rate: 0.40%
```
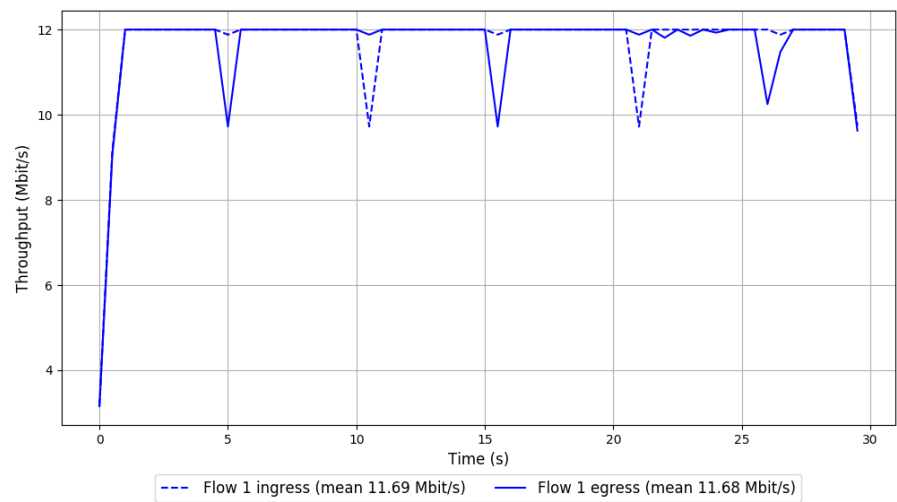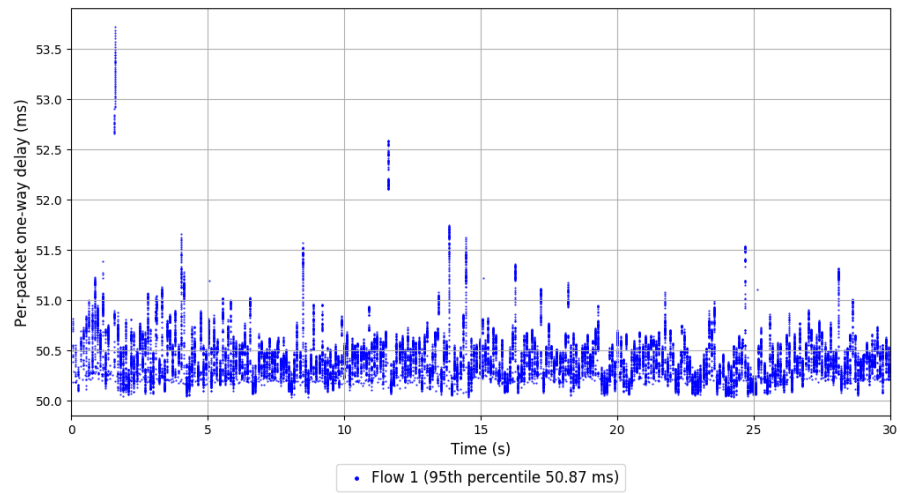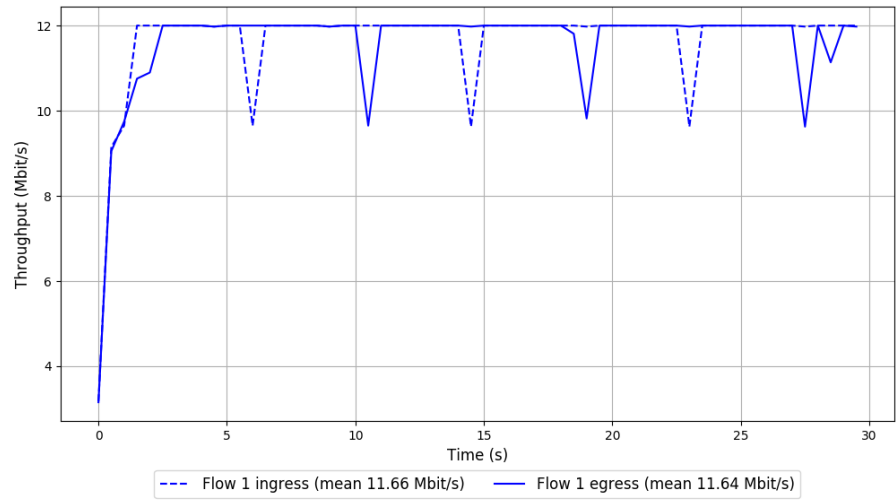
Run 6: Report of KohoCC — Data Link

Flow 1 ingress (mean 11.69 Mbit/s) --- Flow 1 egress (mean 11.68 Mbit/s)

Flow 1 (95th percentile 50.90 ms)

```
Run 7: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 13:04:34 +0000
End at: Sun, 06 Aug 2017 13:05:04 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 50.868 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 11.64 Mbit/s
95th percentile per-packet one-way delay: 50.868 ms
Loss rate: 0.47%
```
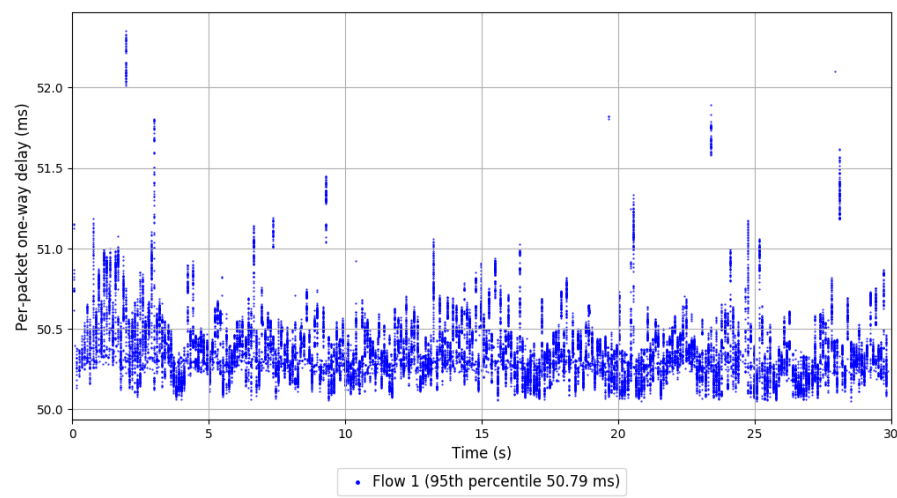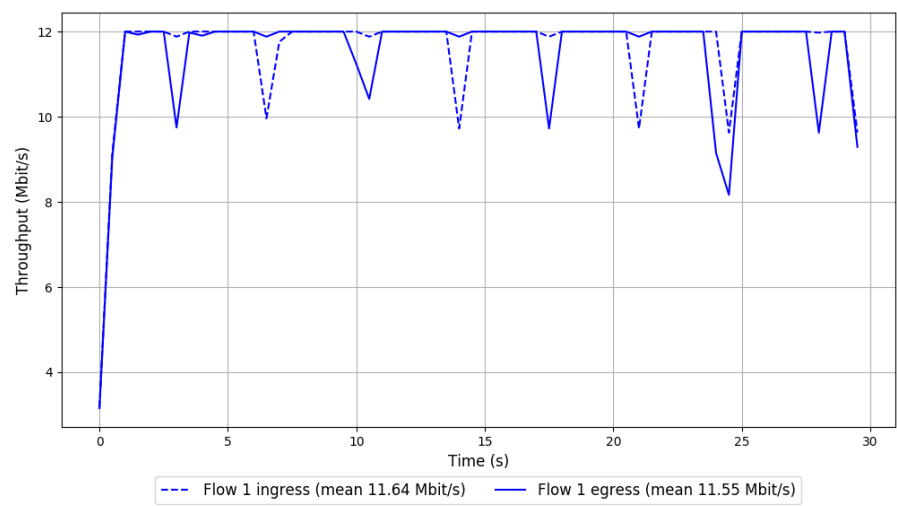
Run 7: Report of KohoCC — Data Link

Flow 1 ingress (mean 11.66 Mbit/s)　　Flow 1 egress (mean 11.64 Mbit/s)

Flow 1 (95th percentile 50.87 ms)

```
Run 8: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 13:15:07 +0000
End at: Sun, 06 Aug 2017 13:15:37 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 50.788 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 11.55 Mbit/s
95th percentile per-packet one-way delay: 50.788 ms
Loss rate: 1.06%
```
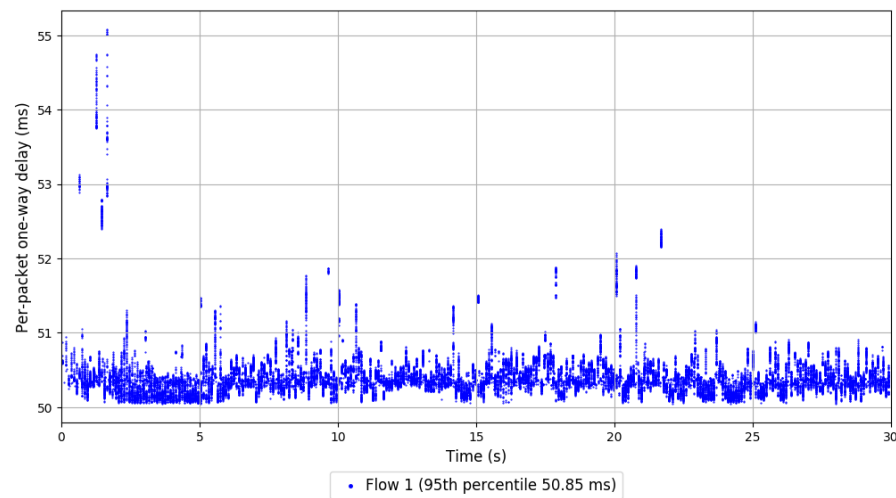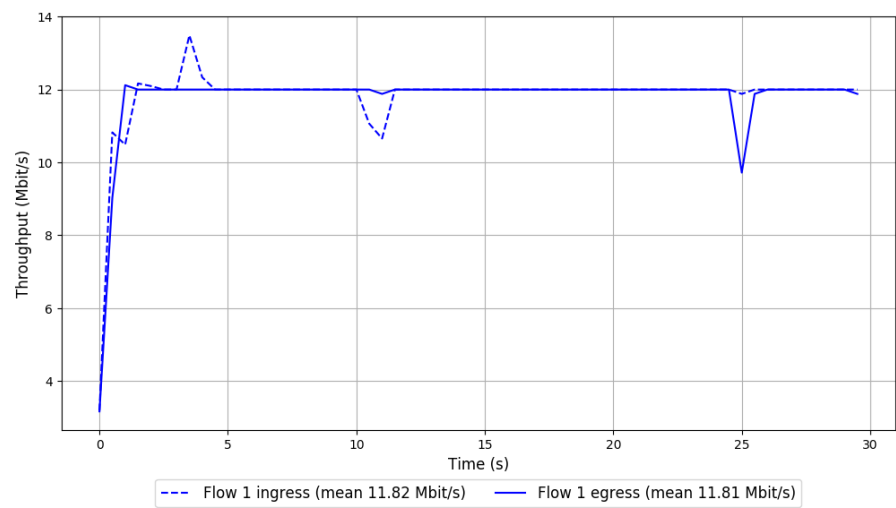
Run 8: Report of KohoCC — Data Link

Flow 1 ingress (mean 11.64 Mbit/s) --- Flow 1 egress (mean 11.55 Mbit/s)

Flow 1 (95th percentile 50.79 ms)

```
Run 9: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 13:25:38 +0000
End at: Sun, 06 Aug 2017 13:26:08 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 50.850 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 11.81 Mbit/s
95th percentile per-packet one-way delay: 50.850 ms
Loss rate: 0.36%
```
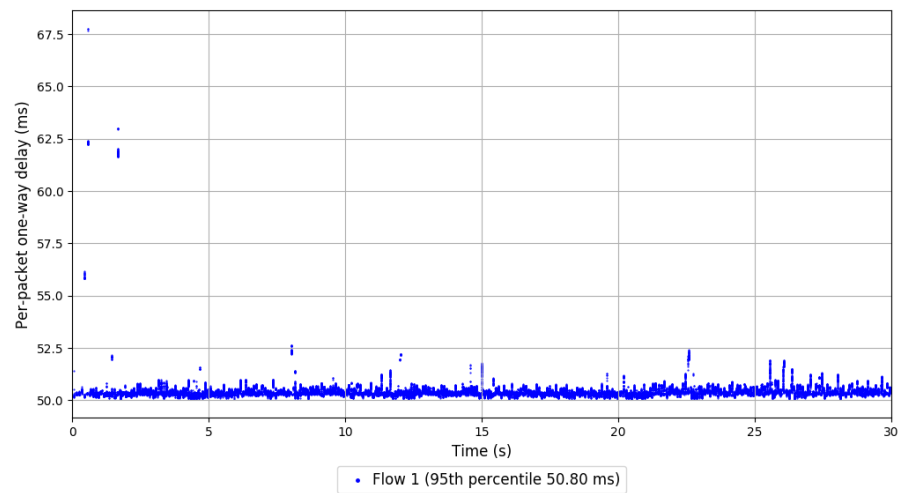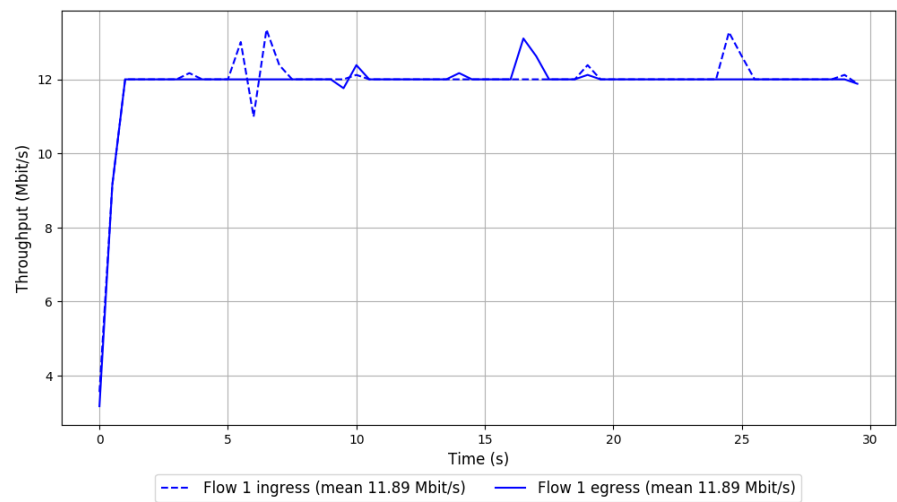
Run 9: Report of KohoCC — Data Link

```
Run 10: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 13:36:11 +0000
End at: Sun, 06 Aug 2017 13:36:41 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:20:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 50.797 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 11.89 Mbit/s
95th percentile per-packet one-way delay: 50.797 ms
Loss rate: 0.37%
```
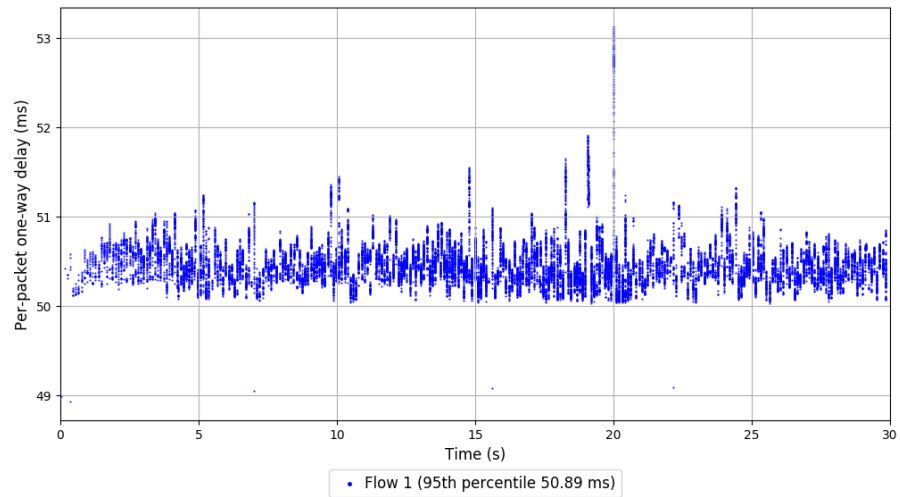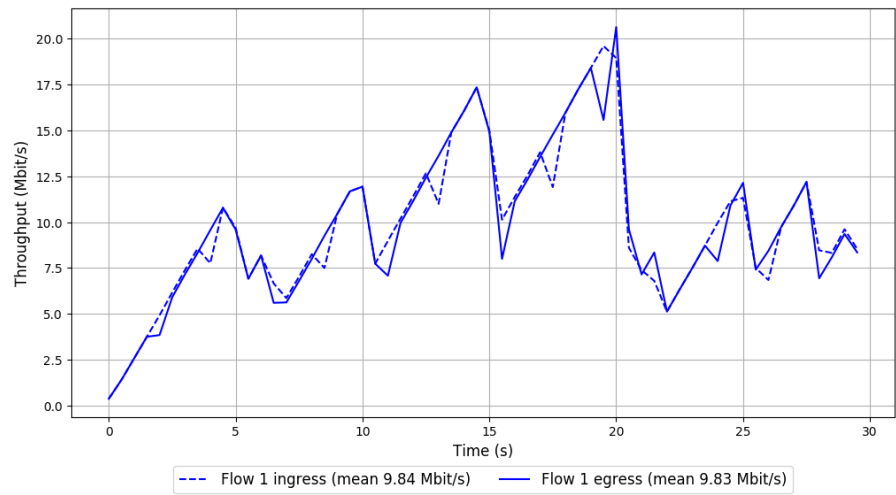
Run 10: Report of KohoCC — Data Link

Flow 1 ingress (mean 11.89 Mbit/s) --- Flow 1 egress (mean 11.89 Mbit/s)

Flow 1 (95th percentile 50.80 ms)

```
Run 1: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 12:10:06 +0000
End at: Sun, 06 Aug 2017 12:10:36 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:21:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.83 Mbit/s
95th percentile per-packet one-way delay: 50.889 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 9.83 Mbit/s
95th percentile per-packet one-way delay: 50.889 ms
Loss rate: 0.41%
```
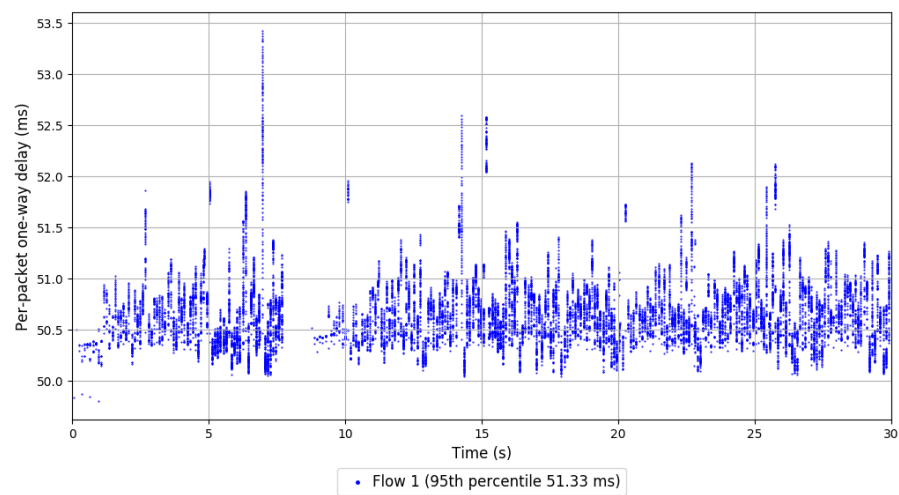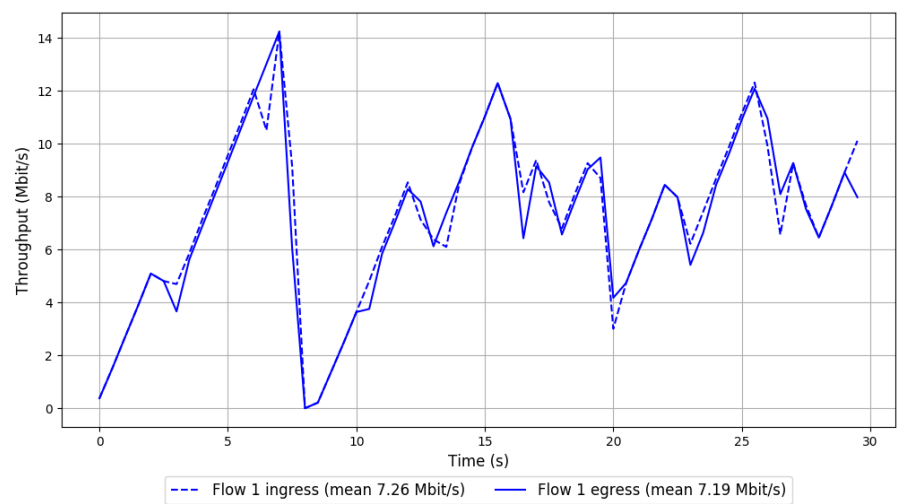
Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 9.84 Mbit/s)   Flow 1 egress (mean 9.83 Mbit/s)

Flow 1 (95th percentile 50.89 ms)

```
Run 2: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 12:20:46 +0000
End at: Sun, 06 Aug 2017 12:21:16 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:21:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 51.329 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 51.329 ms
Loss rate: 1.24%
```
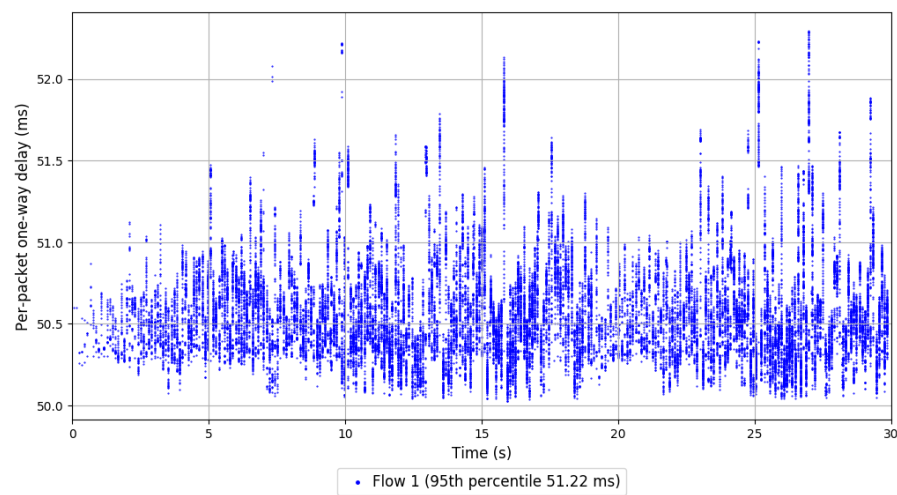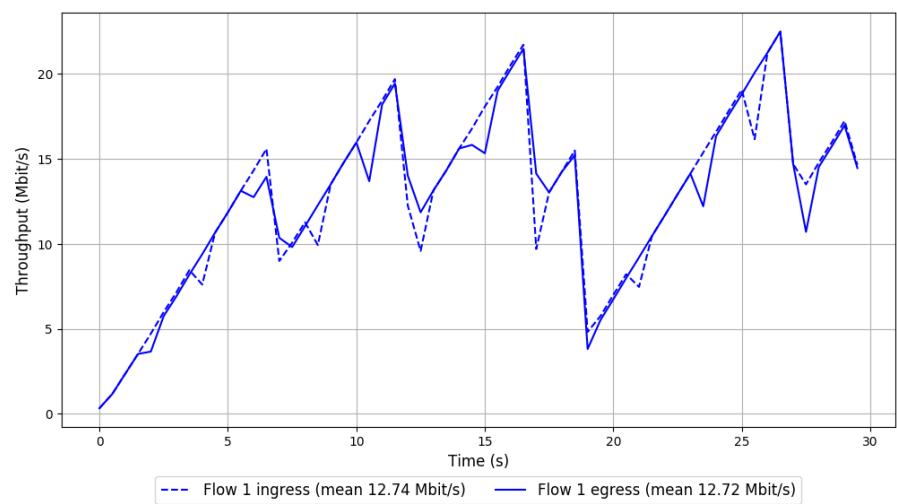
Run 2: Report of LEDBAT — Data Link

Flow 1 ingress (mean 7.26 Mbit/s) — — —   Flow 1 egress (mean 7.19 Mbit/s) ——

• Flow 1 (95th percentile 51.33 ms)

```
Run 3: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 12:31:23 +0000
End at: Sun, 06 Aug 2017 12:31:53 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:21:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 51.215 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 51.215 ms
Loss rate: 0.53%
```
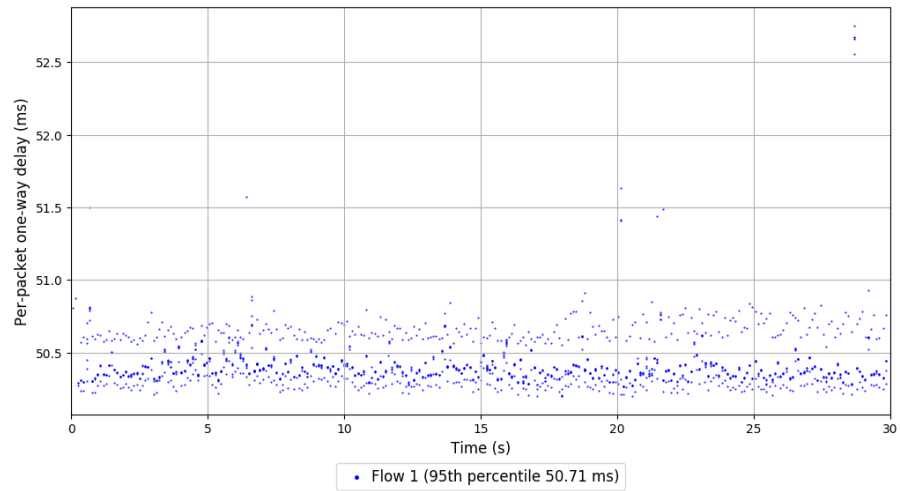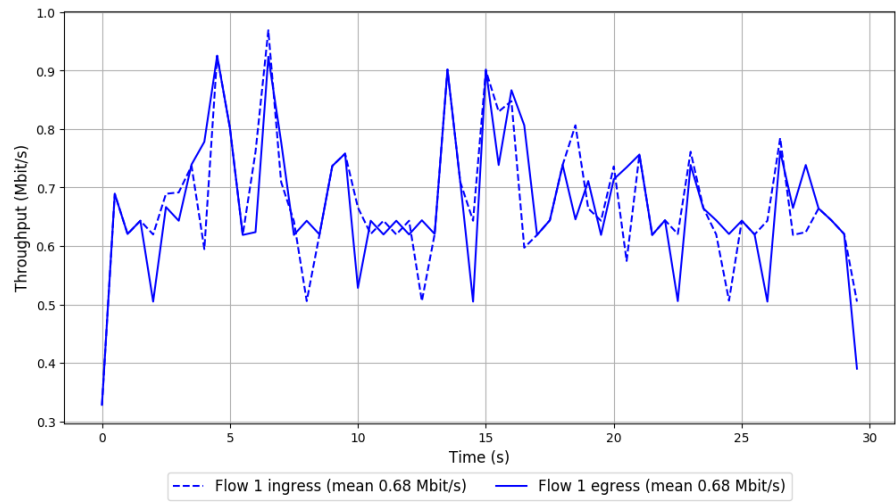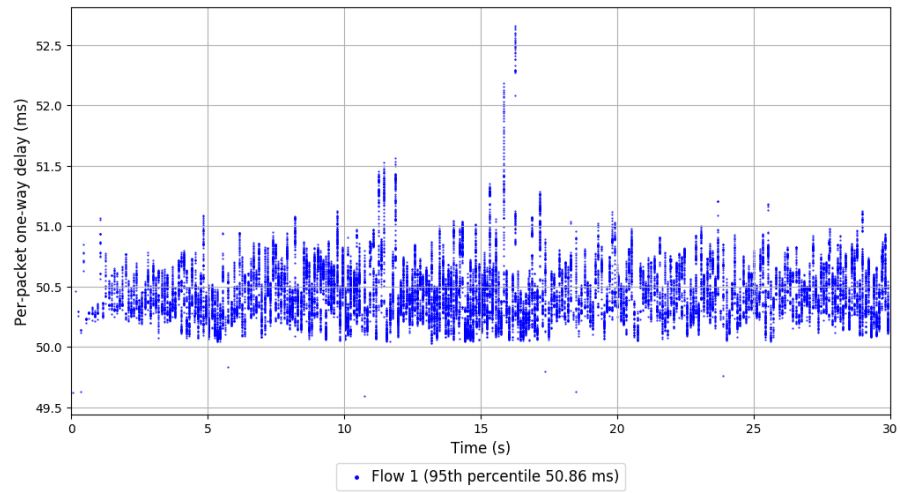
Run 3: Report of LEDBAT — Data Link

Flow 1 ingress (mean 12.74 Mbit/s) --- Flow 1 egress (mean 12.72 Mbit/s)

• Flow 1 (95th percentile 51.22 ms)

```
Run 4: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 12:41:55 +0000
End at: Sun, 06 Aug 2017 12:42:25 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:21:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 50.710 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 50.710 ms
Loss rate: 0.28%
```
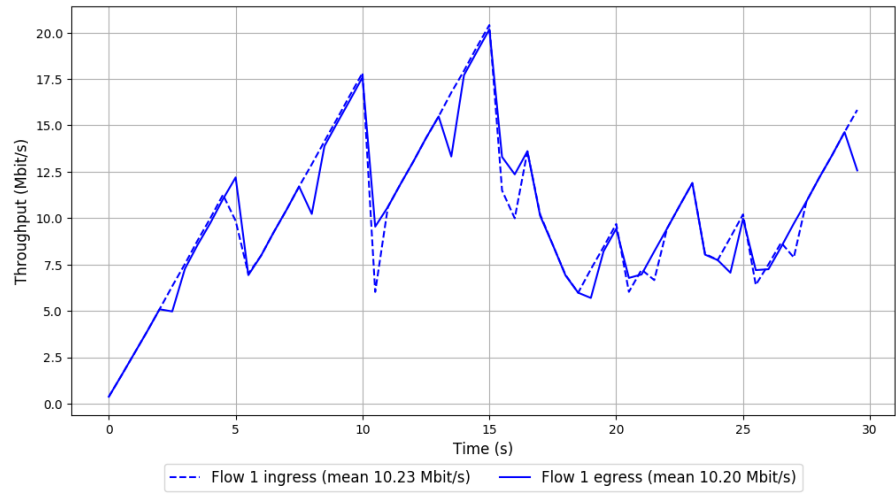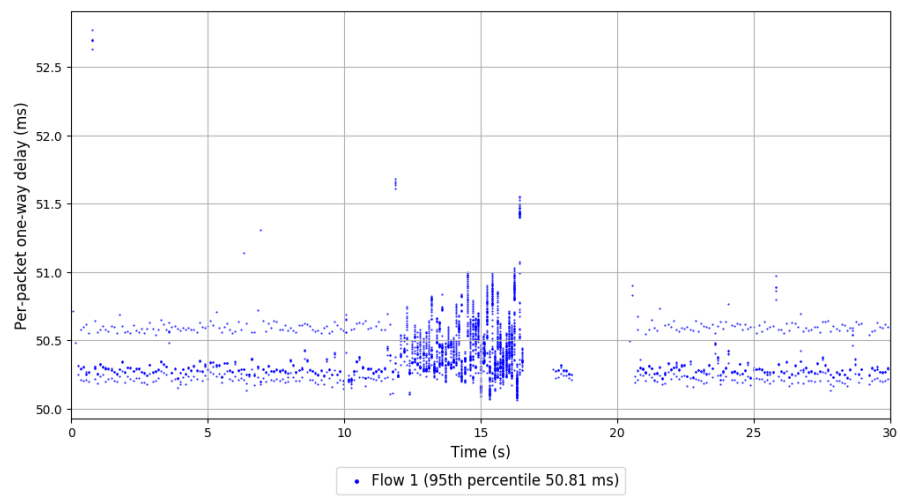
Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 12:52:28 +0000
End at: Sun, 06 Aug 2017 12:52:58 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:21:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 50.858 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 10.20 Mbit/s
95th percentile per-packet one-way delay: 50.858 ms
Loss rate: 0.59%
```
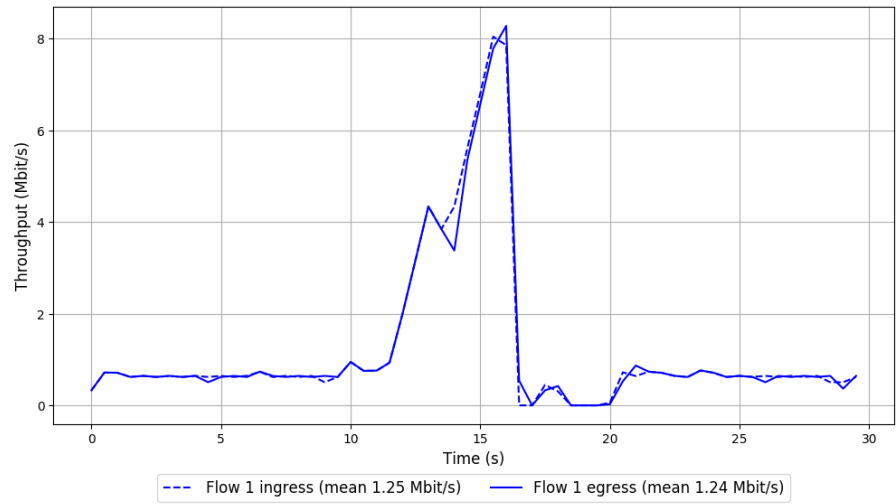
Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 13:03:12 +0000
End at: Sun, 06 Aug 2017 13:03:42 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:21:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 50.809 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 50.809 ms
Loss rate: 1.15%
```
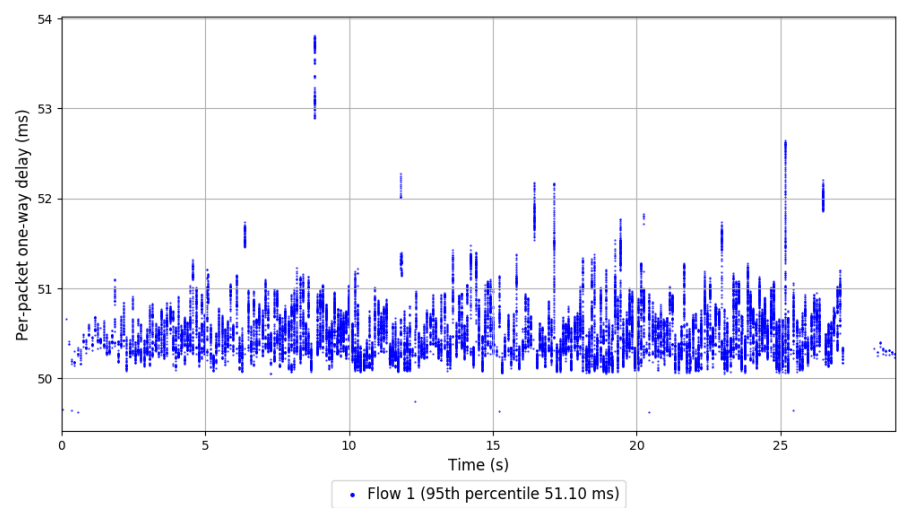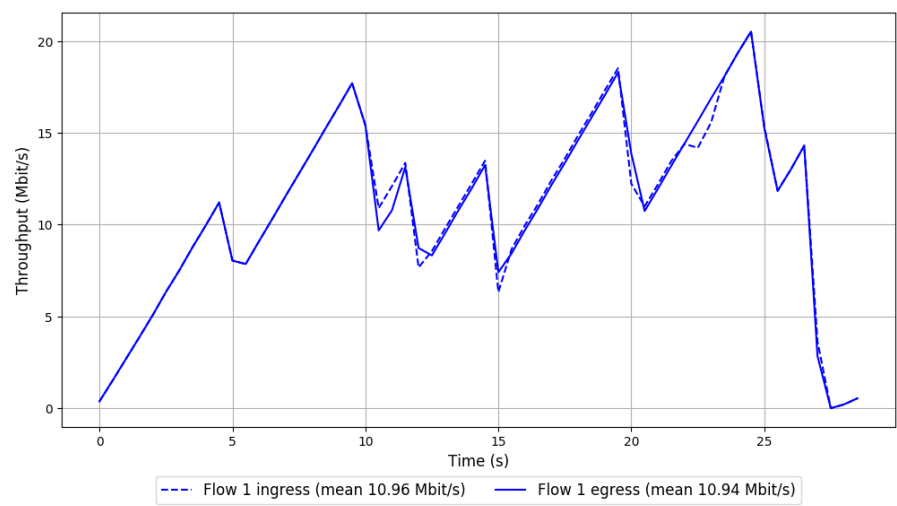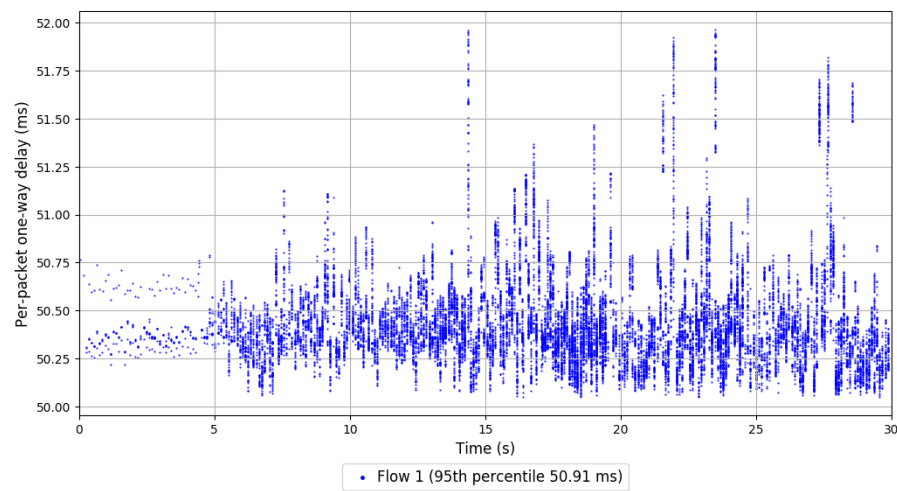
Run 6: Report of LEDBAT — Data Link

Flow 1 ingress (mean 1.25 Mbit/s) — — — Flow 1 egress (mean 1.24 Mbit/s)

Flow 1 (95th percentile 50.81 ms)

```
Run 7: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 13:13:47 +0000
End at: Sun, 06 Aug 2017 13:14:17 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:21:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.94 Mbit/s
95th percentile per-packet one-way delay: 51.103 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 10.94 Mbit/s
95th percentile per-packet one-way delay: 51.103 ms
Loss rate: 0.20%
```
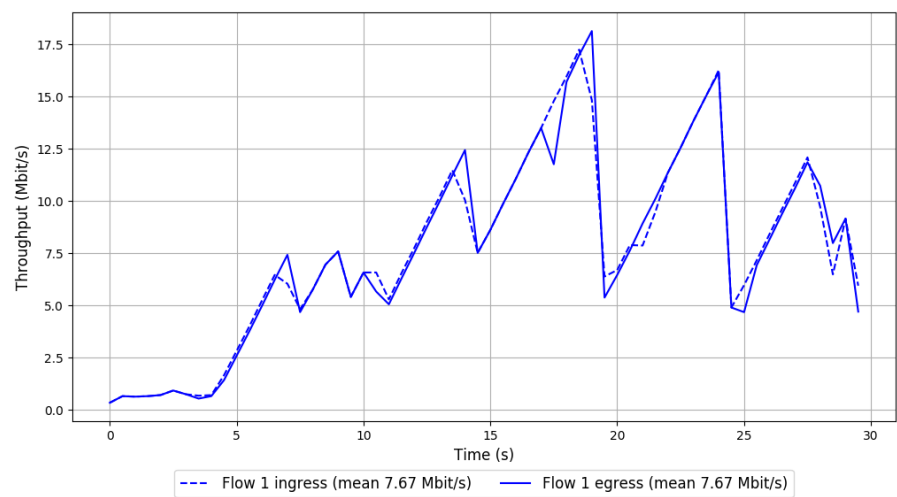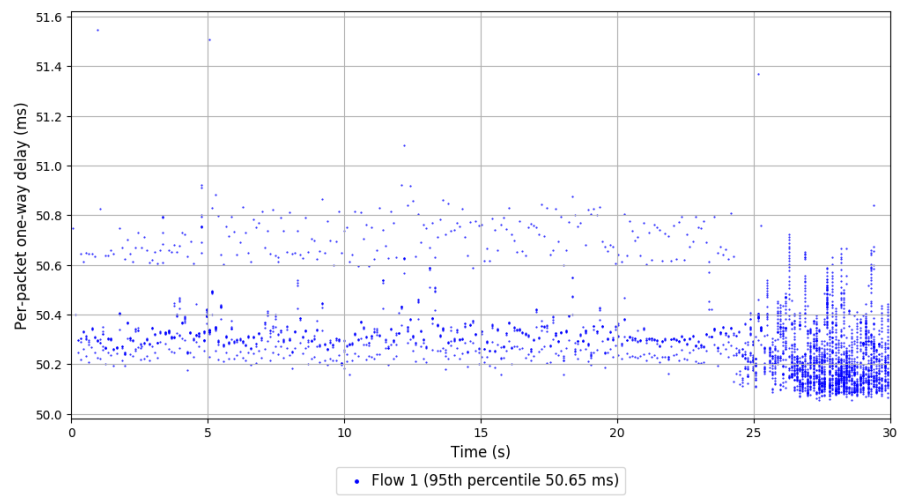
Run 7: Report of LEDBAT — Data Link

```
Run 8: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 13:24:14 +0000
End at: Sun, 06 Aug 2017 13:24:44 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:21:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 50.906 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 7.67 Mbit/s
95th percentile per-packet one-way delay: 50.906 ms
Loss rate: 0.33%
```
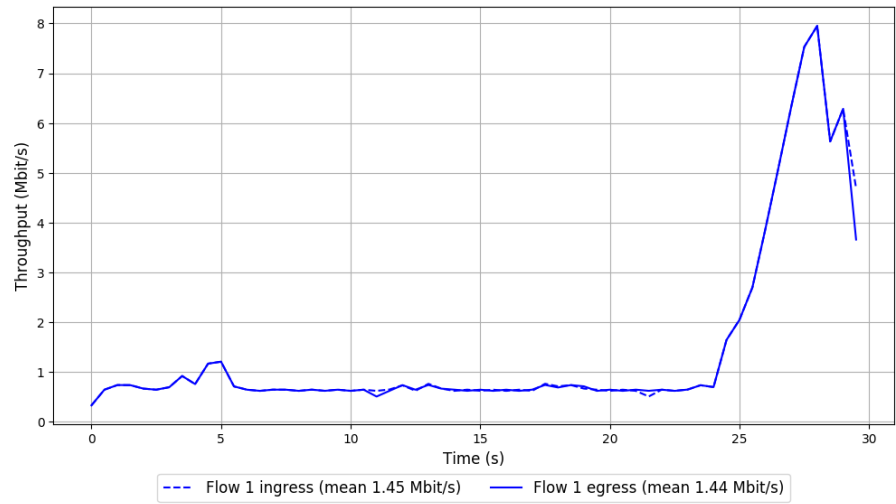
Run 8: Report of LEDBAT — Data Link

```
Run 9: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 13:34:57 +0000
End at: Sun, 06 Aug 2017 13:35:27 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:21:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 50.654 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 50.654 ms
Loss rate: 1.19%
```
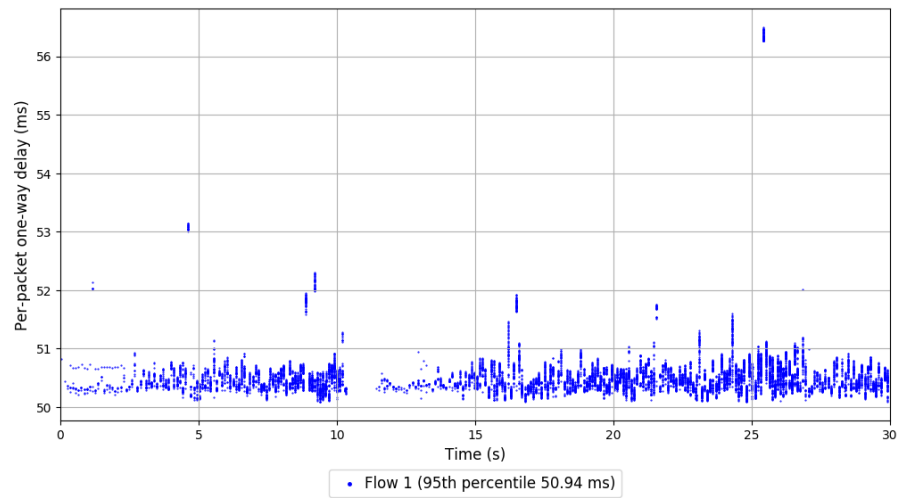
Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 13:45:20 +0000
End at: Sun, 06 Aug 2017 13:45:50 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:21:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.21 Mbit/s
95th percentile per-packet one-way delay: 50.942 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 5.21 Mbit/s
95th percentile per-packet one-way delay: 50.942 ms
Loss rate: 1.18%
```
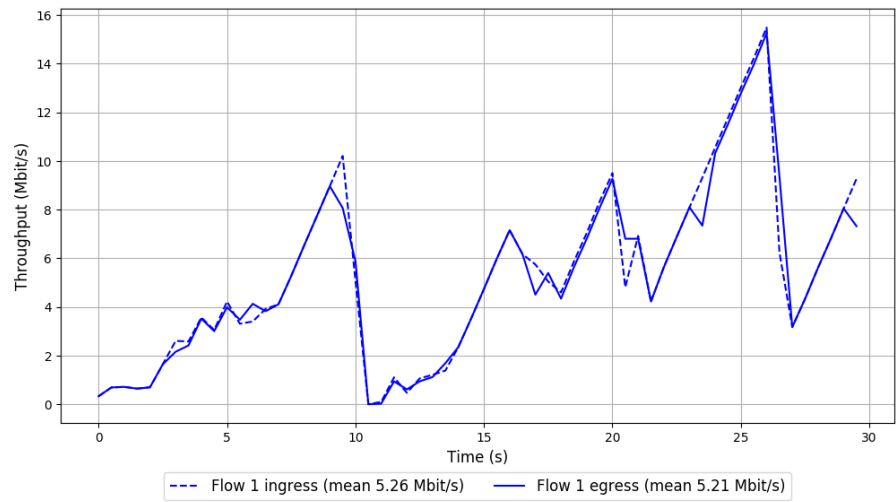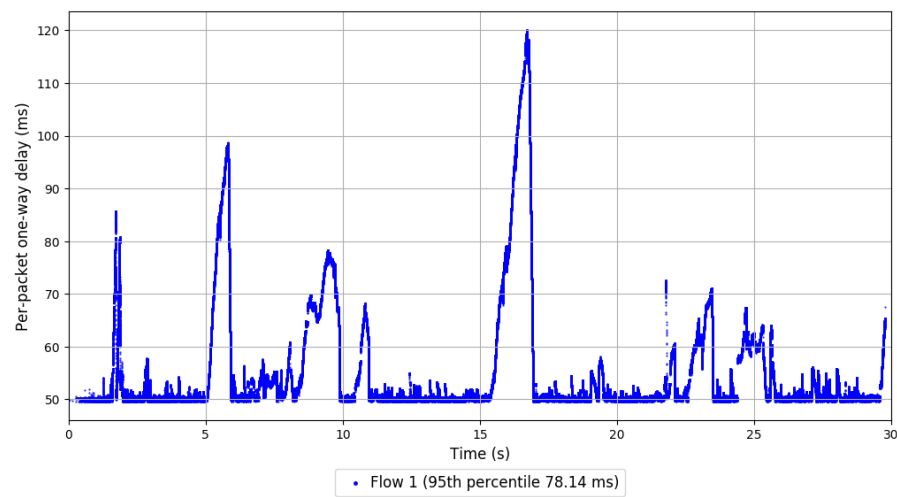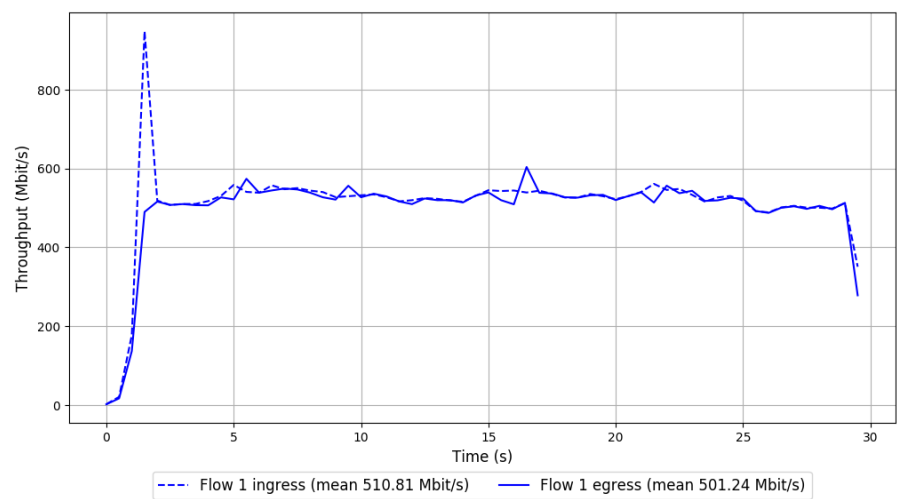
Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 5.26 Mbit/s)   Flow 1 egress (mean 5.21 Mbit/s)

Flow 1 (95th percentile 50.94 ms)

```
Run 1: Statistics of PCC

Start at: Sun, 06 Aug 2017 12:01:36 +0000
End at: Sun, 06 Aug 2017 12:02:06 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:22:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 501.24 Mbit/s
95th percentile per-packet one-way delay: 78.143 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 501.24 Mbit/s
95th percentile per-packet one-way delay: 78.143 ms
Loss rate: 2.22%
```
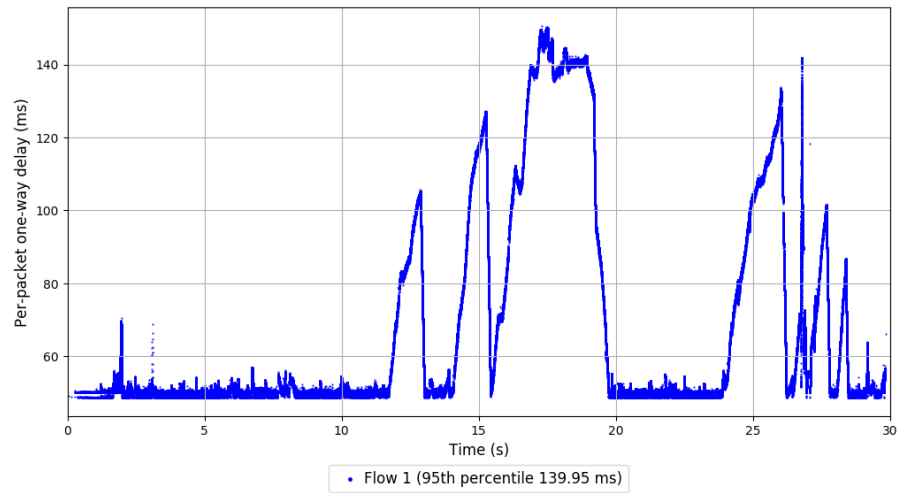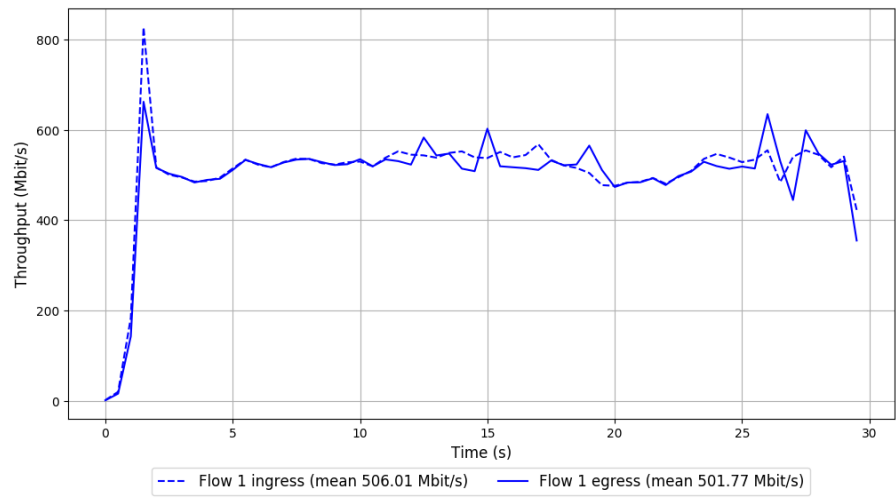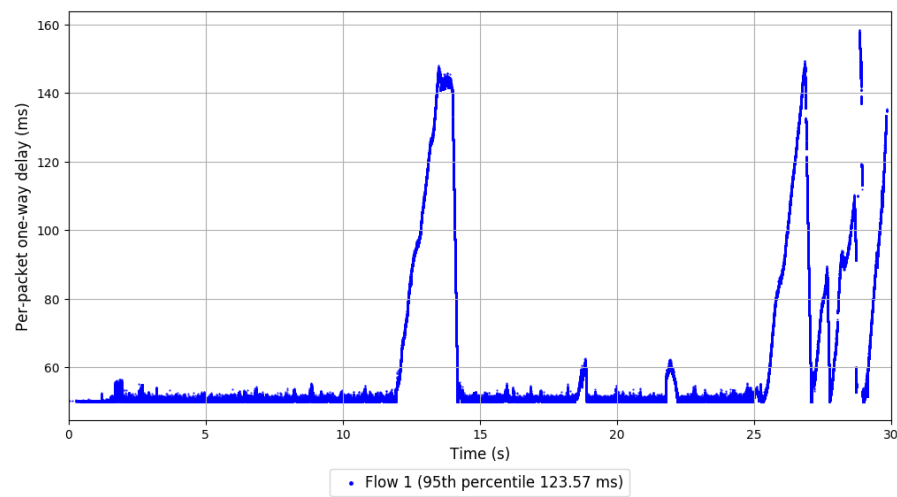
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 510.81 Mbit/s)   Flow 1 egress (mean 501.24 Mbit/s)

Flow 1 (95th percentile 78.14 ms)

```
Run 2: Statistics of PCC

Start at: Sun, 06 Aug 2017 12:12:05 +0000
End at: Sun, 06 Aug 2017 12:12:35 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:22:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 501.77 Mbit/s
95th percentile per-packet one-way delay: 139.949 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 501.77 Mbit/s
95th percentile per-packet one-way delay: 139.949 ms
Loss rate: 1.15%
```
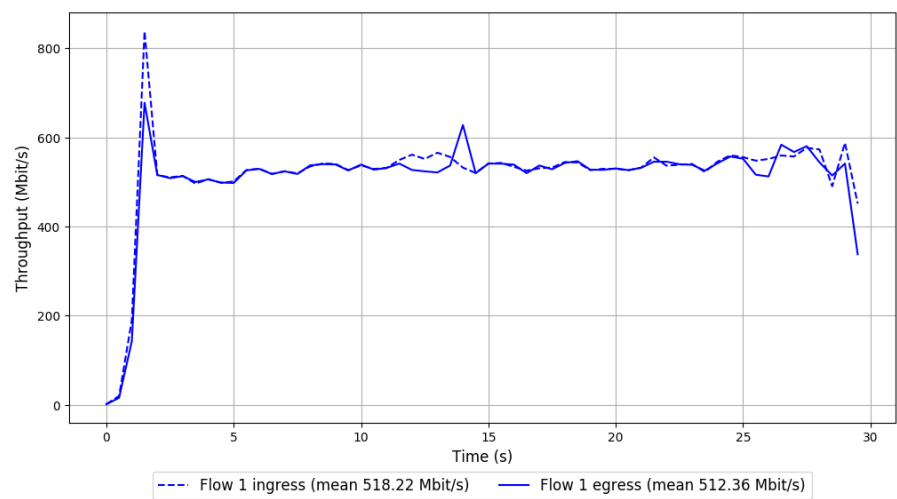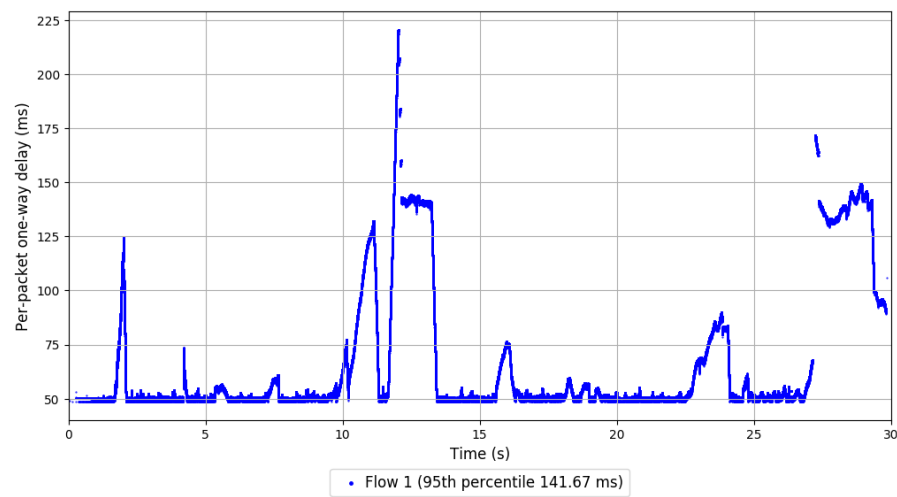
Run 2: Report of PCC — Data Link

```
Run 3: Statistics of PCC

Start at: Sun, 06 Aug 2017 12:22:50 +0000
End at: Sun, 06 Aug 2017 12:23:20 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:24:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 512.36 Mbit/s
95th percentile per-packet one-way delay: 123.570 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 512.36 Mbit/s
95th percentile per-packet one-way delay: 123.570 ms
Loss rate: 1.49%
```
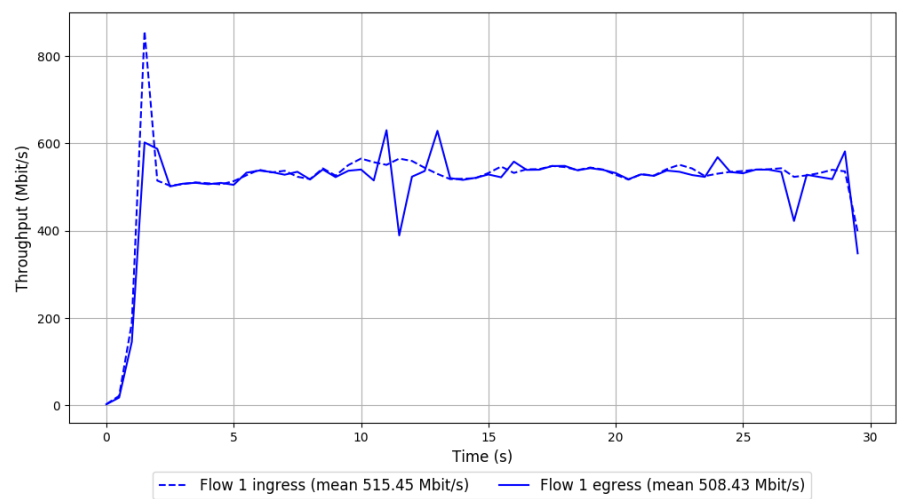
Run 3: Report of PCC — Data Link

```
Run 4: Statistics of PCC

Start at: Sun, 06 Aug 2017 12:33:22 +0000
End at: Sun, 06 Aug 2017 12:33:52 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:24:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 508.43 Mbit/s
95th percentile per-packet one-way delay: 141.669 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 508.43 Mbit/s
95th percentile per-packet one-way delay: 141.669 ms
Loss rate: 1.65%
```
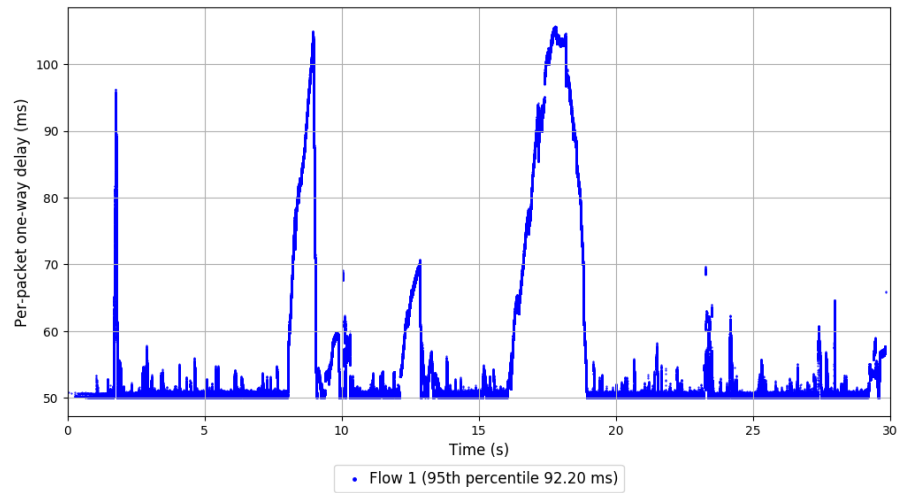
Run 4: Report of PCC — Data Link

```
Run 5: Statistics of PCC

Start at: Sun, 06 Aug 2017 12:43:52 +0000
End at: Sun, 06 Aug 2017 12:44:22 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:26:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 486.26 Mbit/s
95th percentile per-packet one-way delay: 92.199 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 486.26 Mbit/s
95th percentile per-packet one-way delay: 92.199 ms
Loss rate: 1.23%
```
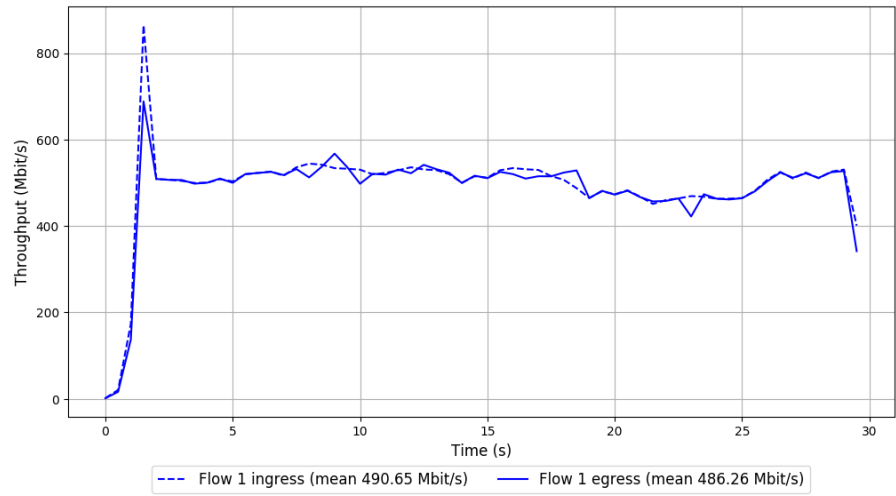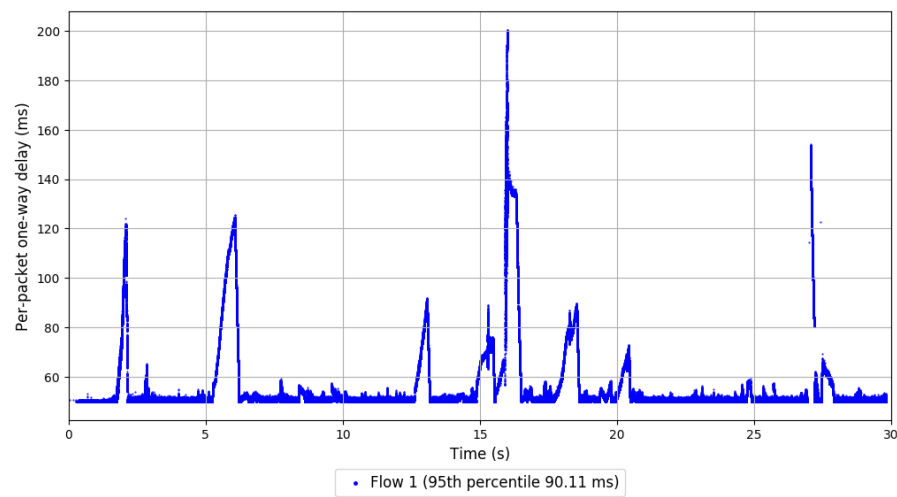
Run 5: Report of PCC — Data Link

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```
Run 6: Statistics of PCC

Start at: Sun, 06 Aug 2017 12:54:28 +0000
End at: Sun, 06 Aug 2017 12:54:58 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:26:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 518.33 Mbit/s
95th percentile per-packet one-way delay: 90.109 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 518.33 Mbit/s
95th percentile per-packet one-way delay: 90.109 ms
Loss rate: 1.03%
```
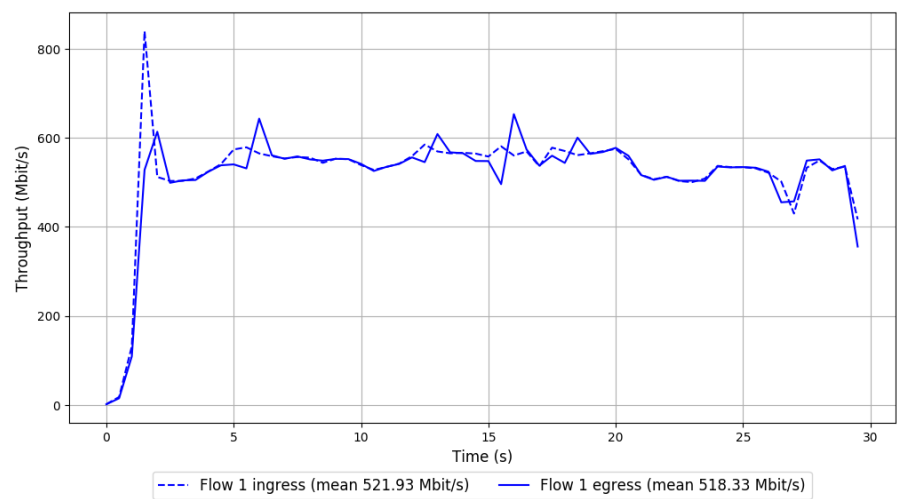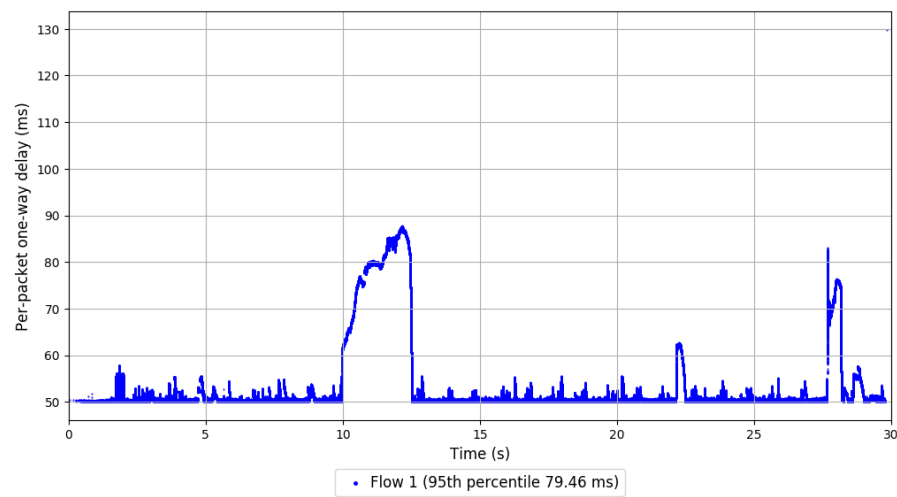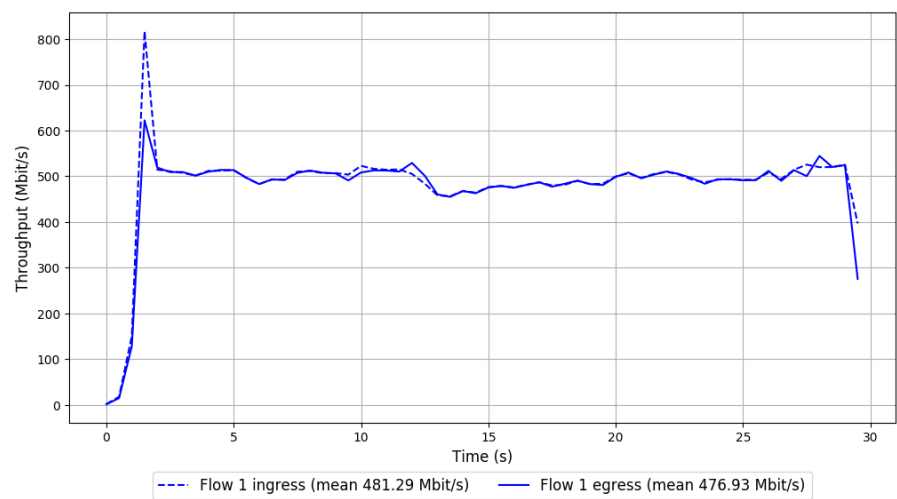
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 521.93 Mbit/s)   Flow 1 egress (mean 518.33 Mbit/s)

Flow 1 (95th percentile 90.11 ms)

```
Run 7: Statistics of PCC

Start at: Sun, 06 Aug 2017 13:05:12 +0000
End at: Sun, 06 Aug 2017 13:05:42 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:27:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 476.93 Mbit/s
95th percentile per-packet one-way delay: 79.462 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 476.93 Mbit/s
95th percentile per-packet one-way delay: 79.462 ms
Loss rate: 1.19%
```
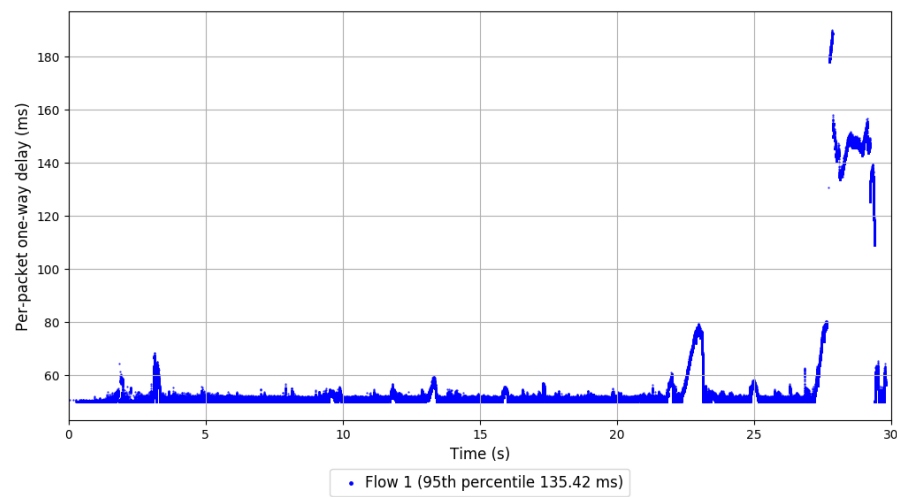
Run 7: Report of PCC — Data Link

```
Run 8: Statistics of PCC

Start at: Sun, 06 Aug 2017 13:15:44 +0000
End at: Sun, 06 Aug 2017 13:16:15 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:28:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 492.22 Mbit/s
95th percentile per-packet one-way delay: 135.417 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 492.22 Mbit/s
95th percentile per-packet one-way delay: 135.417 ms
Loss rate: 3.22%
```
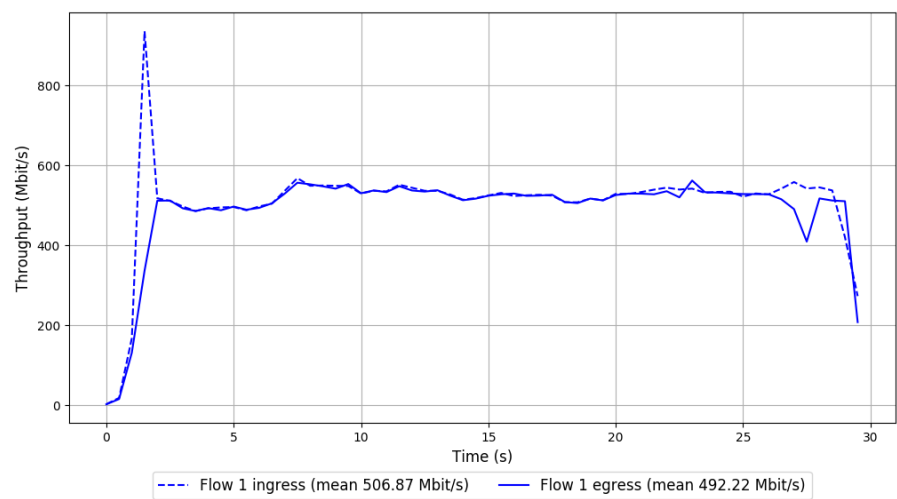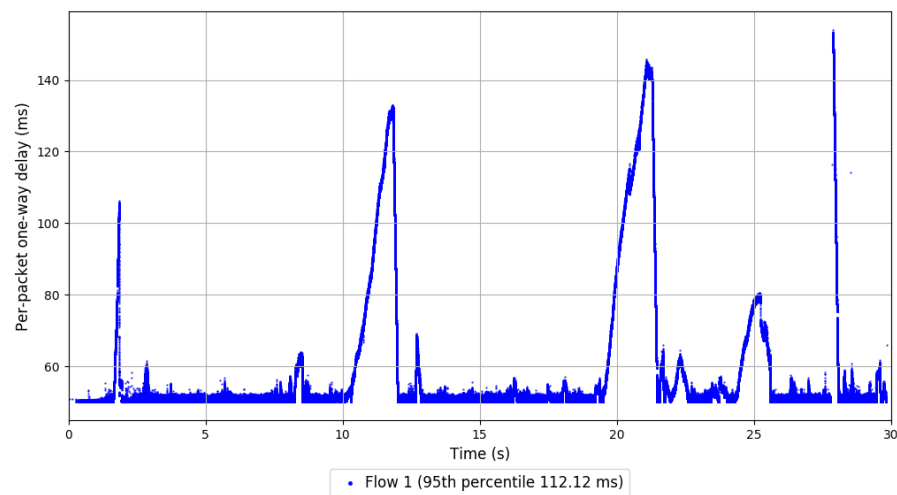
Run 8: Report of PCC — Data Link

```
Run 9: Statistics of PCC

Start at: Sun, 06 Aug 2017 13:26:16 +0000
End at: Sun, 06 Aug 2017 13:26:46 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:29:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 506.82 Mbit/s
95th percentile per-packet one-way delay: 112.123 ms
Loss rate: 2.37%
-- Flow 1:
Average throughput: 506.82 Mbit/s
95th percentile per-packet one-way delay: 112.123 ms
Loss rate: 2.37%
```
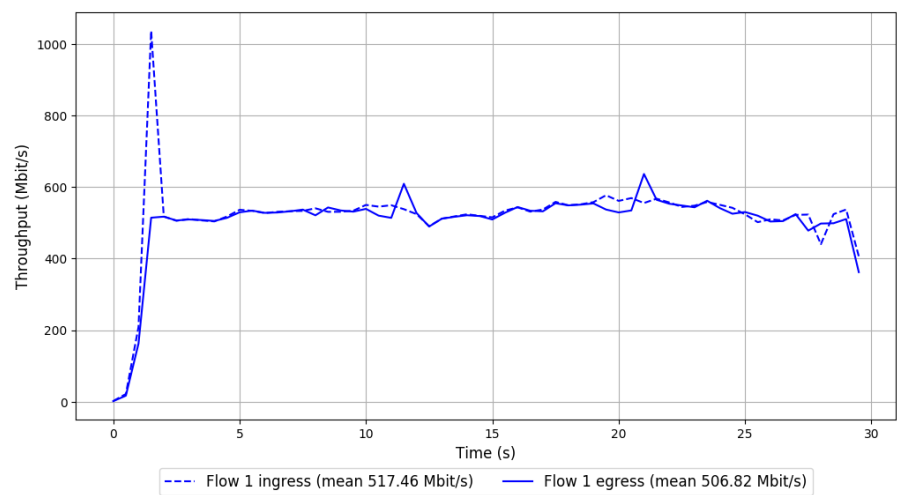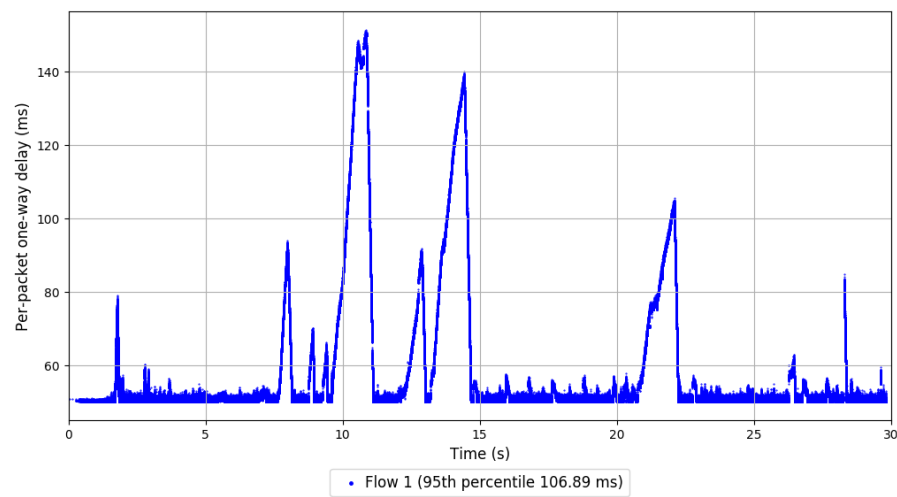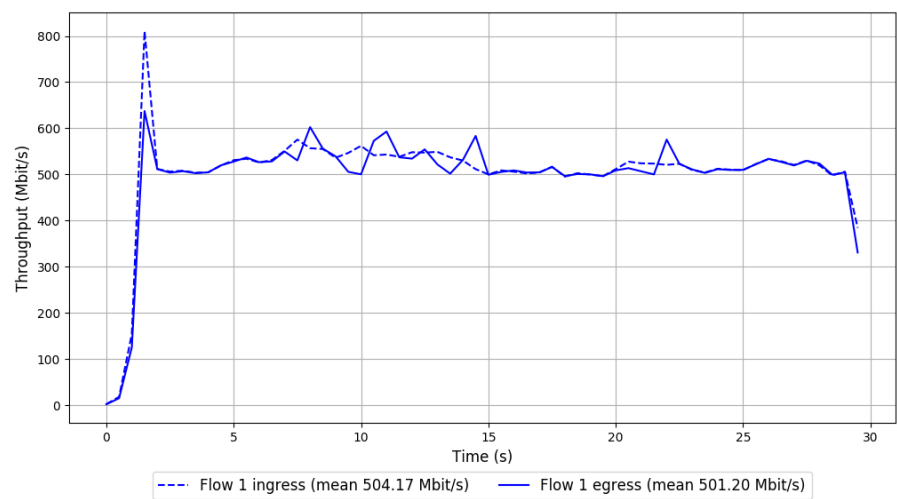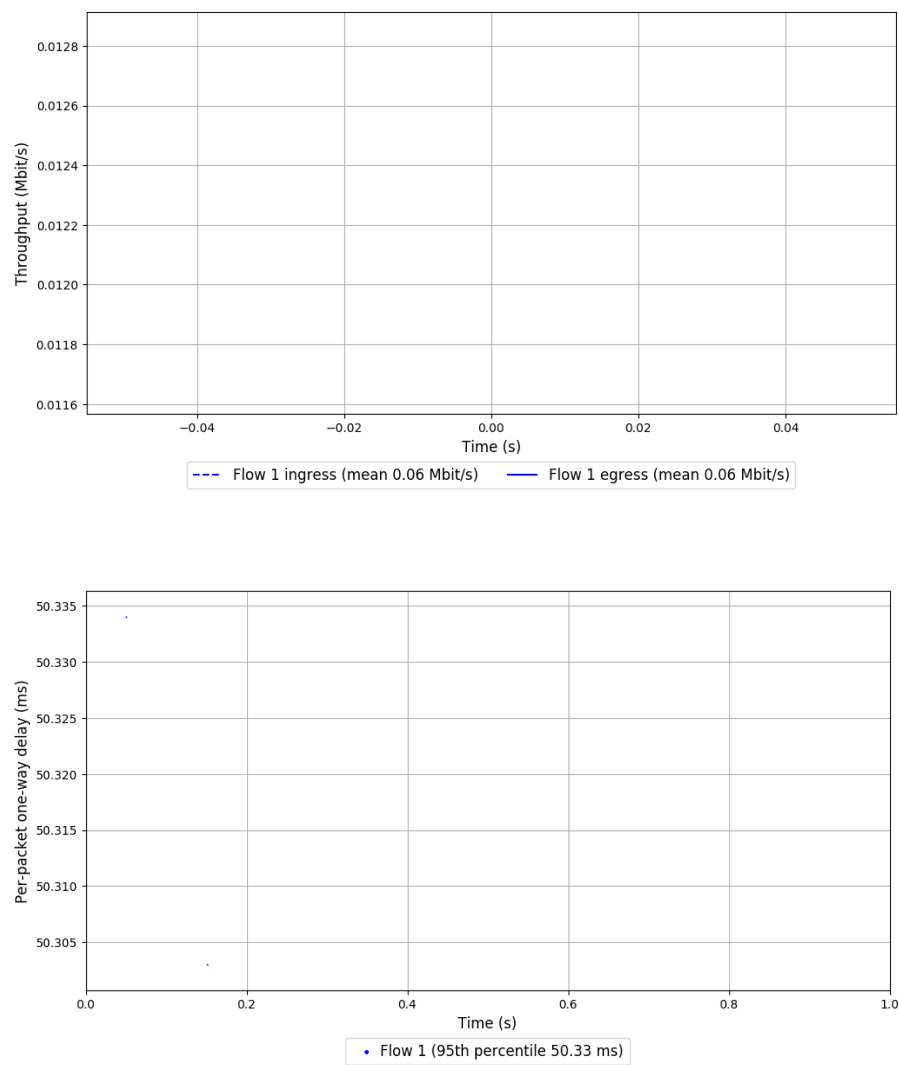
Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 517.46 Mbit/s)   Flow 1 egress (mean 506.82 Mbit/s)

Flow 1 (95th percentile 112.12 ms)

```
Run 10: Statistics of PCC

Start at: Sun, 06 Aug 2017 13:36:49 +0000
End at: Sun, 06 Aug 2017 13:37:19 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:29:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 501.20 Mbit/s
95th percentile per-packet one-way delay: 106.894 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 501.20 Mbit/s
95th percentile per-packet one-way delay: 106.894 ms
Loss rate: 0.95%
```
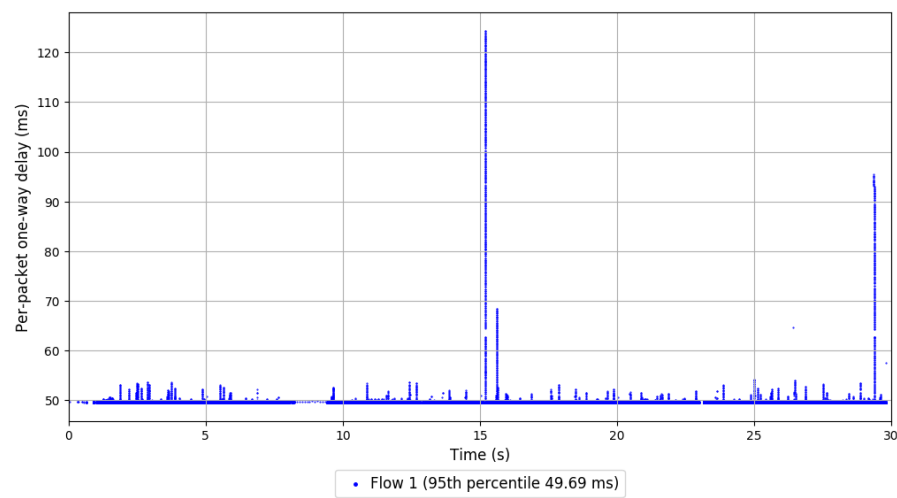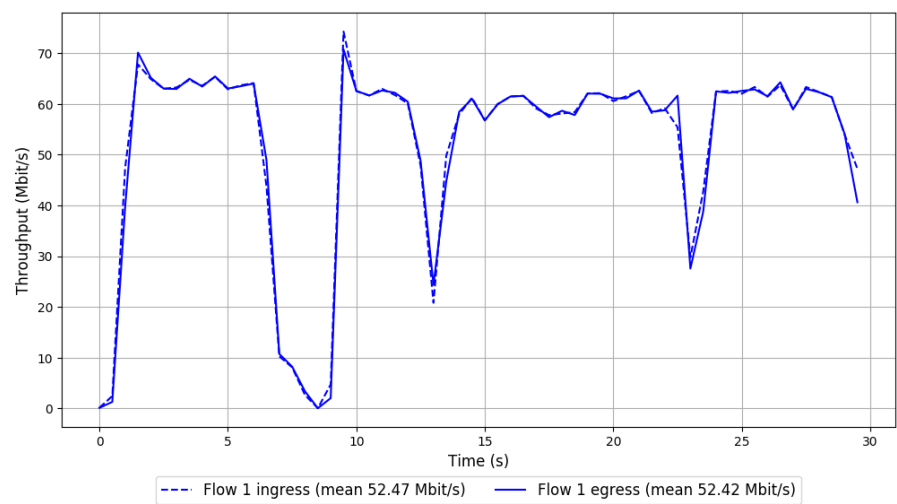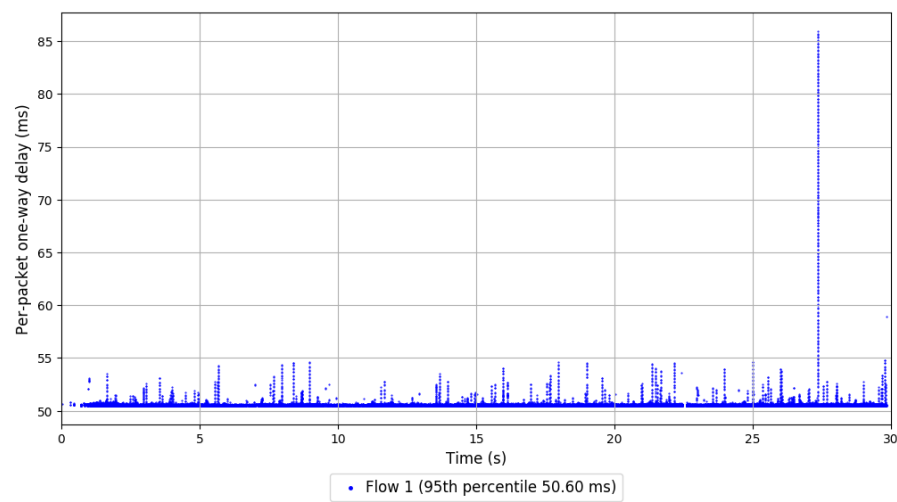
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 504.17 Mbit/s) — Flow 1 egress (mean 501.20 Mbit/s)

• Flow 1 (95th percentile 106.89 ms)

Run 1: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 12:06:49 +0000
End at: Sun, 06 Aug 2017 12:07:19 +0000

Run 1: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.06 Mbit/s) — Flow 1 egress (mean 0.06 Mbit/s)

Flow 1 (95th percentile 50.33 ms)

```
Run 2: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 12:17:24 +0000
End at: Sun, 06 Aug 2017 12:17:54 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:29:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.42 Mbit/s
95th percentile per-packet one-way delay: 49.686 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 52.42 Mbit/s
95th percentile per-packet one-way delay: 49.686 ms
Loss rate: 0.40%
```
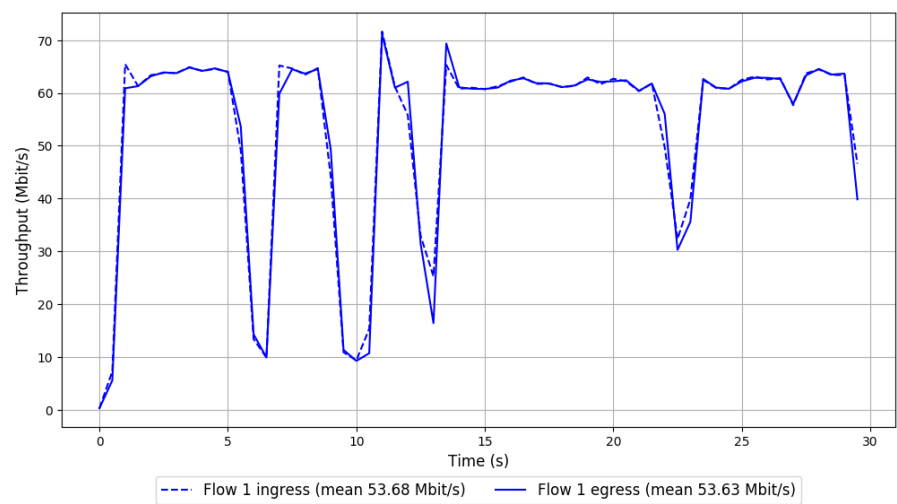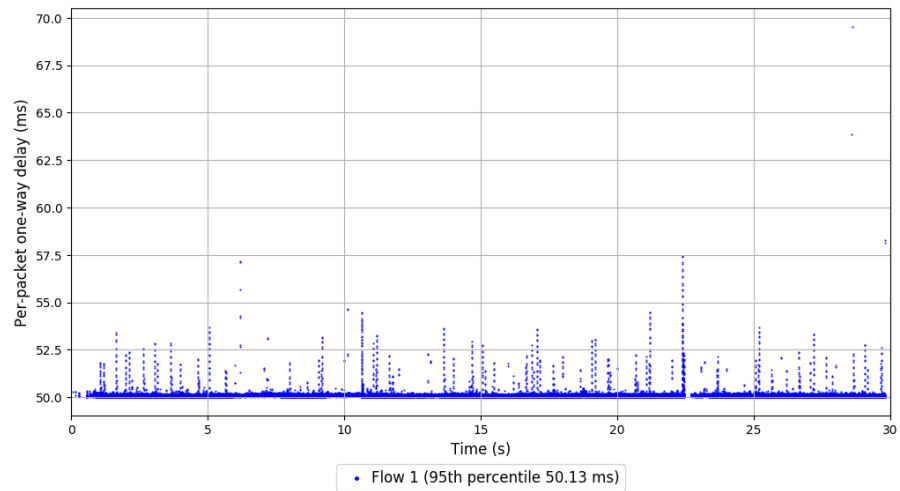
Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 52.47 Mbit/s)   Flow 1 egress (mean 52.42 Mbit/s)

Flow 1 (95th percentile 49.69 ms)

```
Run 3: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 12:28:02 +0000
End at: Sun, 06 Aug 2017 12:28:32 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:29:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.63 Mbit/s
95th percentile per-packet one-way delay: 50.598 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 53.63 Mbit/s
95th percentile per-packet one-way delay: 50.598 ms
Loss rate: 0.40%
```
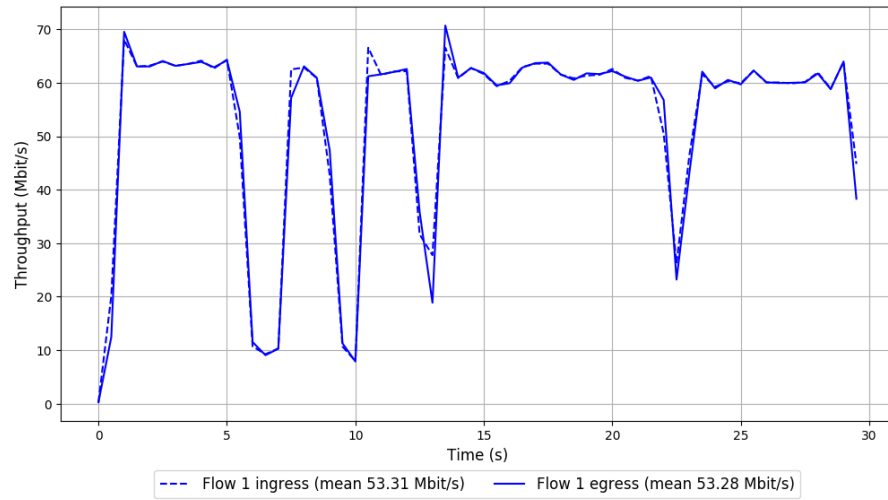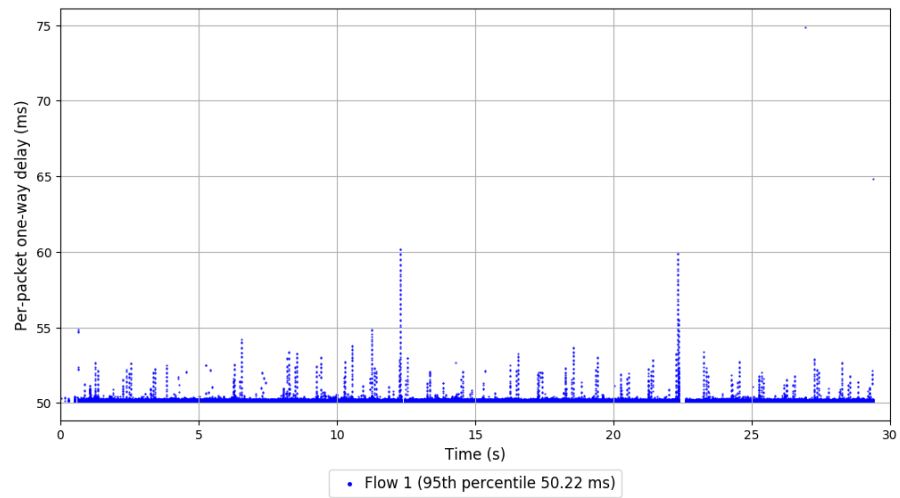
Run 3: Report of QUIC Cubic — Data Link

```
Run 4: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 12:38:34 +0000
End at: Sun, 06 Aug 2017 12:39:04 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:29:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 50.130 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 53.28 Mbit/s
95th percentile per-packet one-way delay: 50.130 ms
Loss rate: 0.40%
```
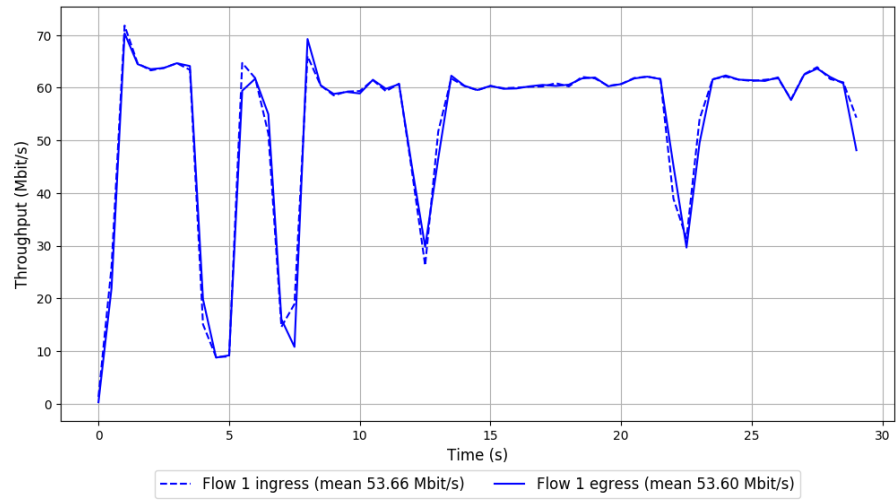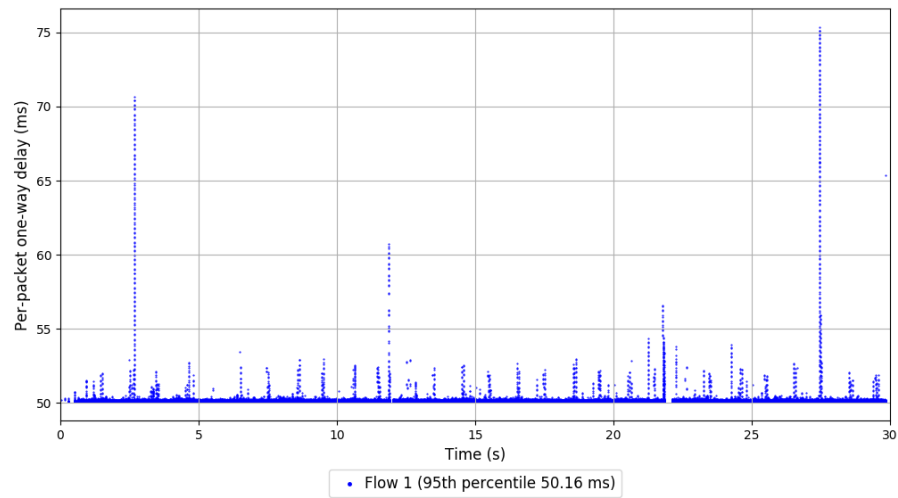
Run 4: Report of QUIC Cubic — Data Link

```
Run 5: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 12:49:05 +0000
End at: Sun, 06 Aug 2017 12:49:35 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:29:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 50.216 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 53.60 Mbit/s
95th percentile per-packet one-way delay: 50.216 ms
Loss rate: 0.40%
```
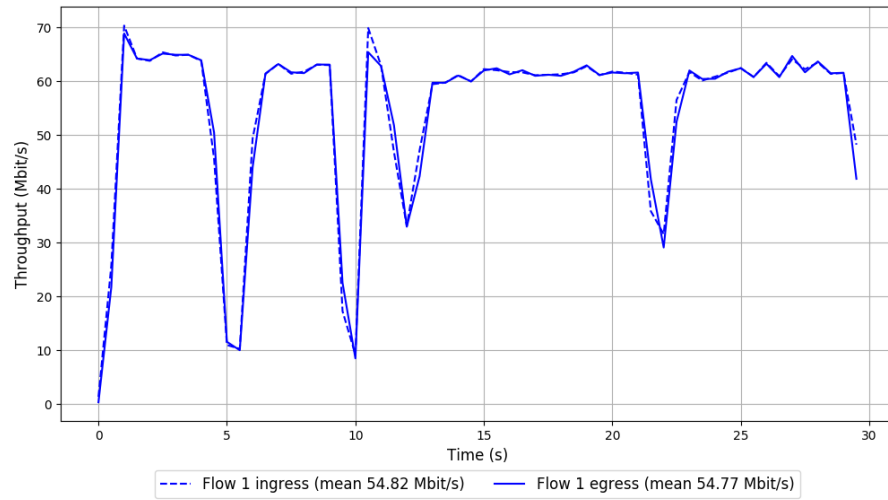
Run 5: Report of QUIC Cubic — Data Link

```
Run 6: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 12:59:49 +0000
End at: Sun, 06 Aug 2017 13:00:19 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 50.157 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 54.77 Mbit/s
95th percentile per-packet one-way delay: 50.157 ms
Loss rate: 0.38%
```
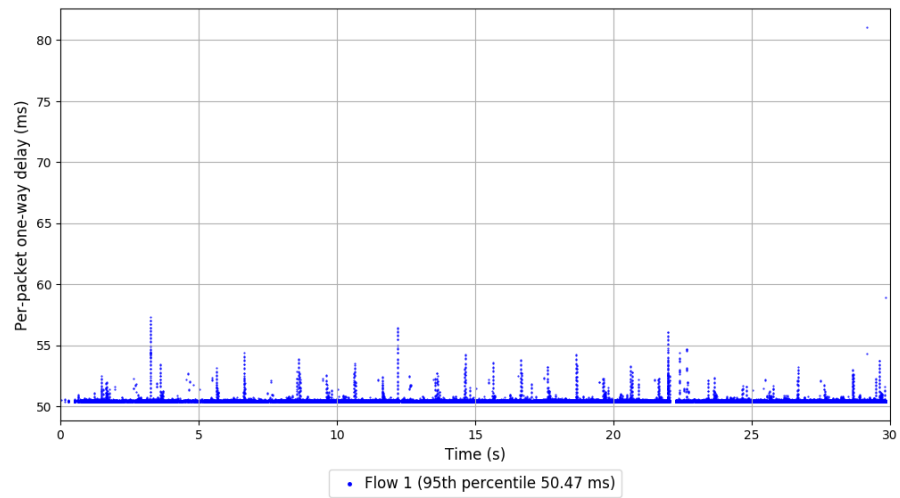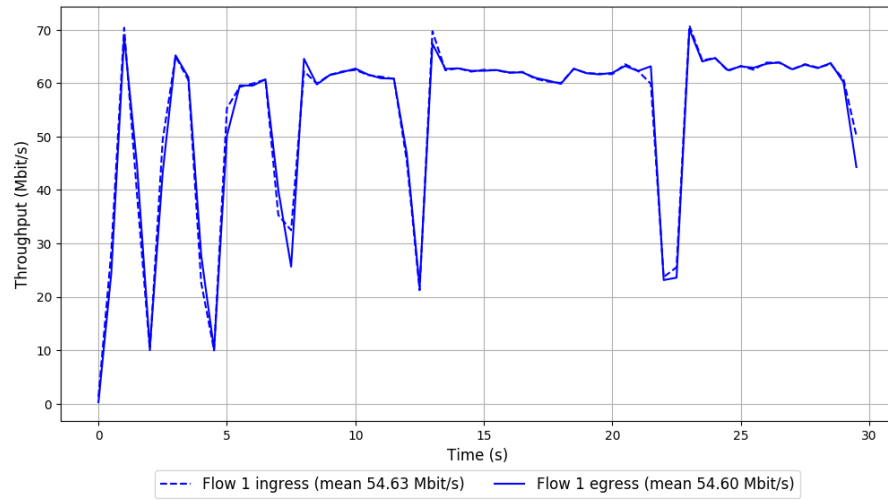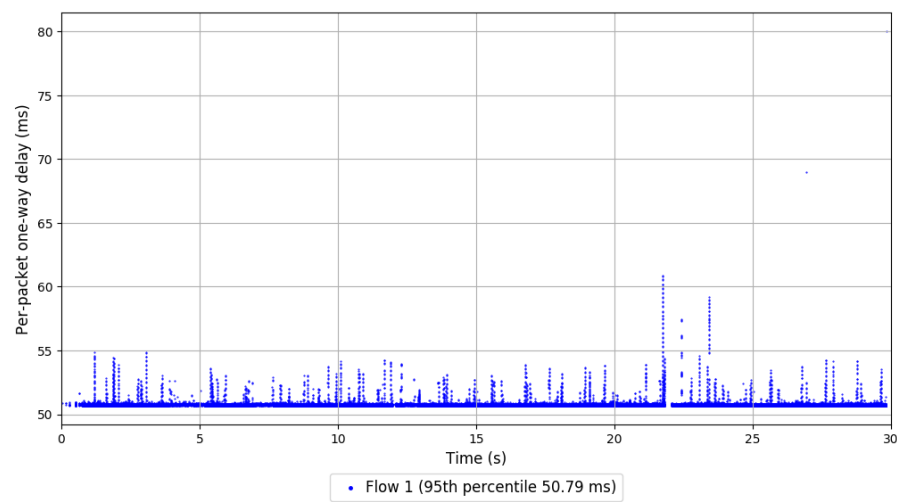
Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 54.82 Mbit/s)   Flow 1 egress (mean 54.77 Mbit/s)

Flow 1 (95th percentile 50.16 ms)

```
Run 7: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 13:10:27 +0000
End at: Sun, 06 Aug 2017 13:10:57 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 50.473 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 54.60 Mbit/s
95th percentile per-packet one-way delay: 50.473 ms
Loss rate: 0.39%
```
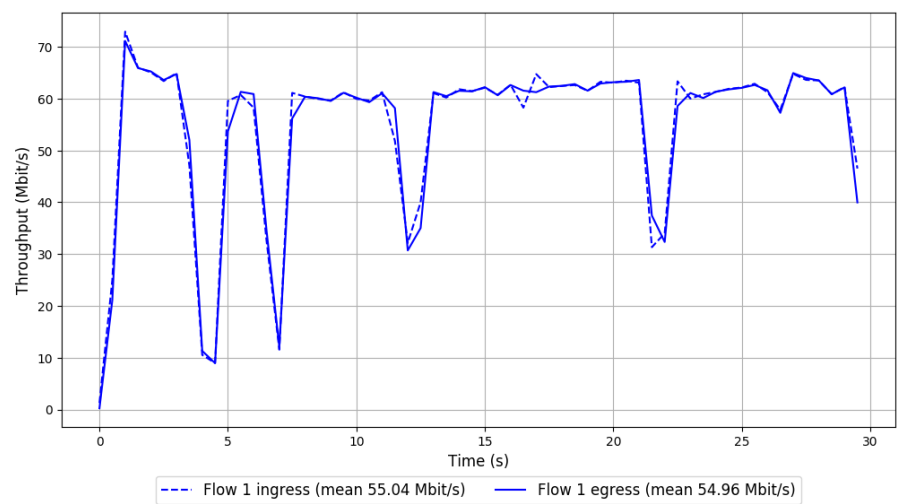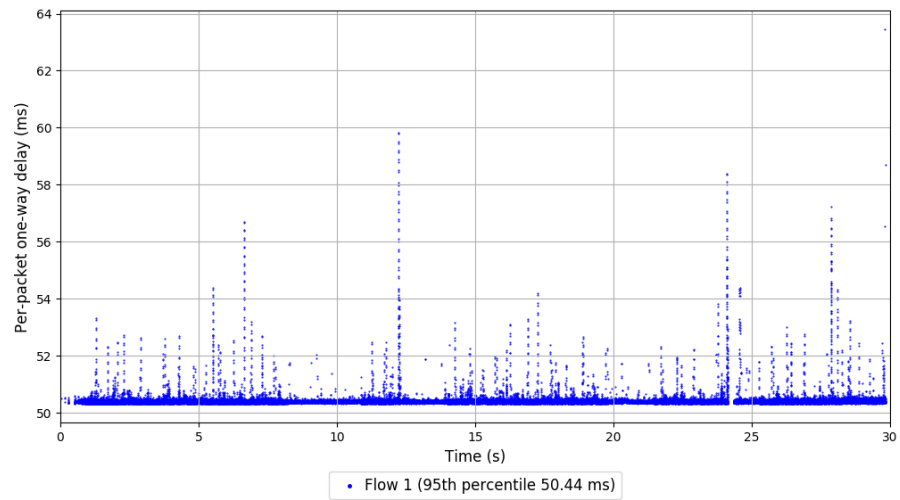
Run 7: Report of QUIC Cubic — Data Link

```
Run 8: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 13:20:55 +0000
End at: Sun, 06 Aug 2017 13:21:25 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 50.793 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 54.96 Mbit/s
95th percentile per-packet one-way delay: 50.793 ms
Loss rate: 0.39%
```
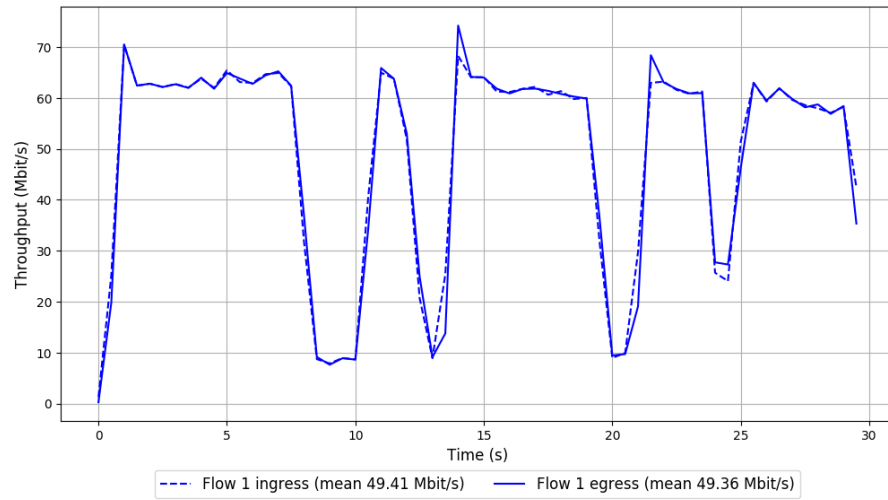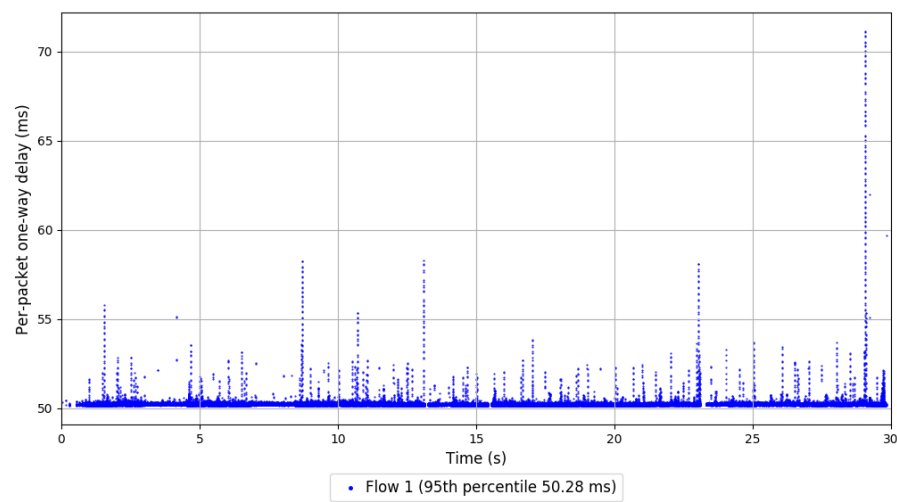
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 55.04 Mbit/s)   Flow 1 egress (mean 54.96 Mbit/s)

Flow 1 (95th percentile 50.79 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 13:31:33 +0000
End at: Sun, 06 Aug 2017 13:32:03 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.36 Mbit/s
95th percentile per-packet one-way delay: 50.440 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 49.36 Mbit/s
95th percentile per-packet one-way delay: 50.440 ms
Loss rate: 0.43%
```
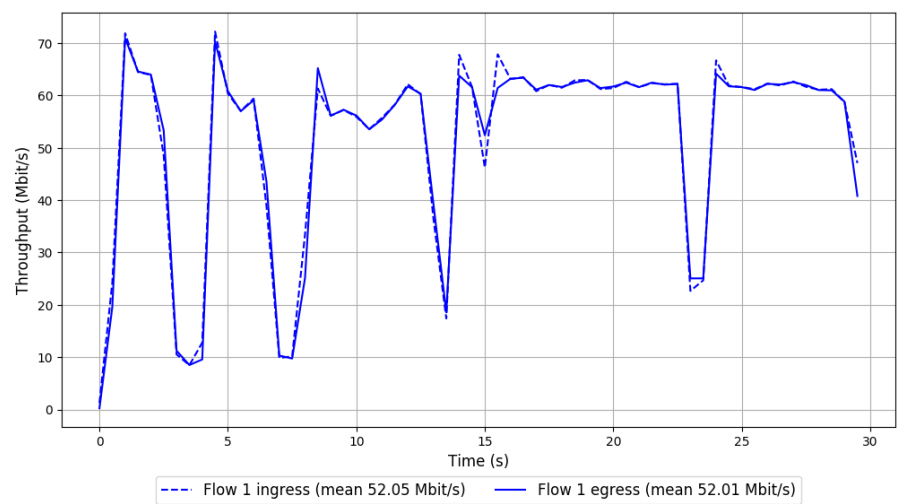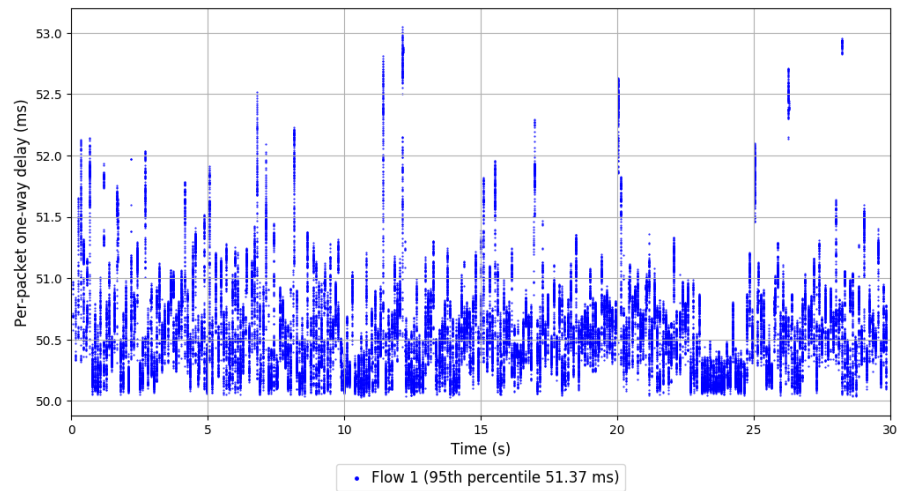
Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 49.41 Mbit/s) ----- Flow 1 egress (mean 49.36 Mbit/s)

Flow 1 (95th percentile 50.44 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 13:41:59 +0000
End at: Sun, 06 Aug 2017 13:42:29 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.01 Mbit/s
95th percentile per-packet one-way delay: 50.284 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 52.01 Mbit/s
95th percentile per-packet one-way delay: 50.284 ms
Loss rate: 0.40%
```
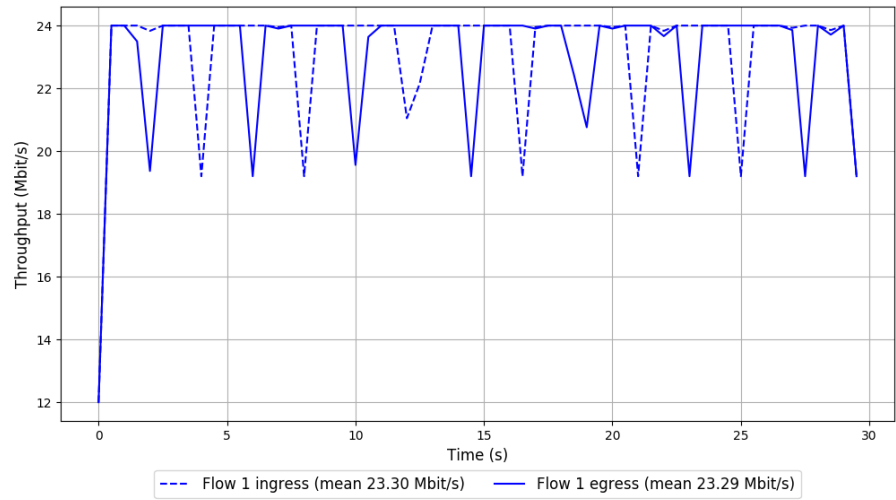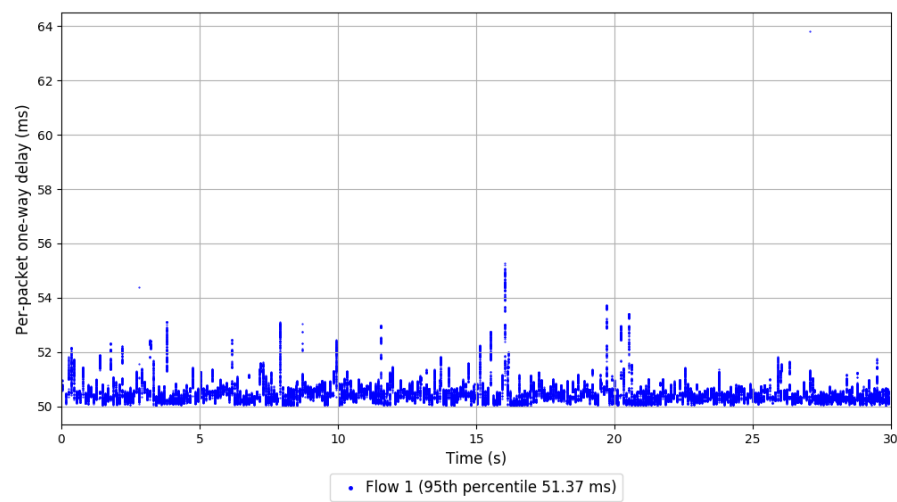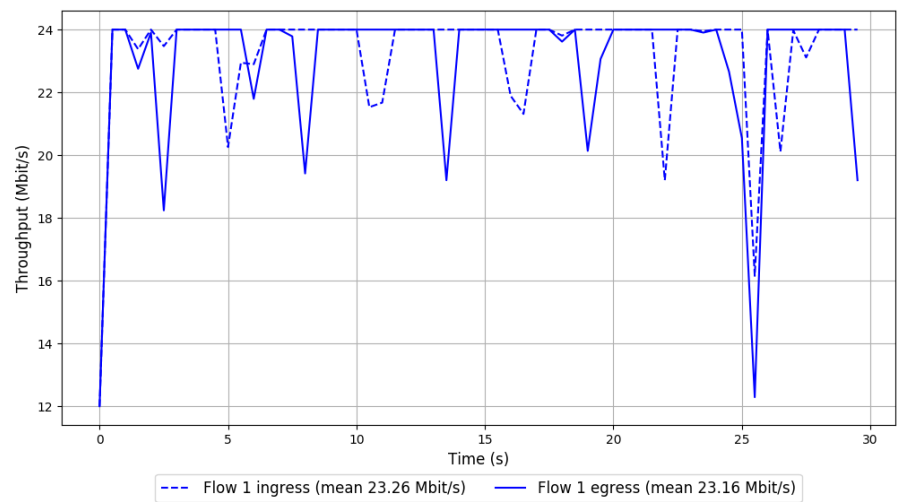
Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 52.05 Mbit/s)   Flow 1 egress (mean 52.01 Mbit/s)

Flow 1 (95th percentile 50.28 ms)

```
Run 1: Statistics of Saturator

Start at: Sun, 06 Aug 2017 12:03:48 +0000
End at: Sun, 06 Aug 2017 12:04:18 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 51.369 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 23.29 Mbit/s
95th percentile per-packet one-way delay: 51.369 ms
Loss rate: 0.39%
```
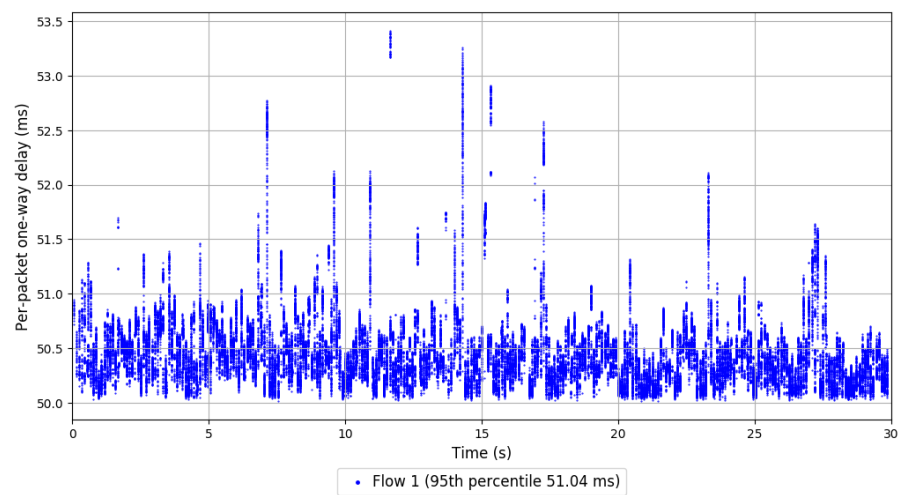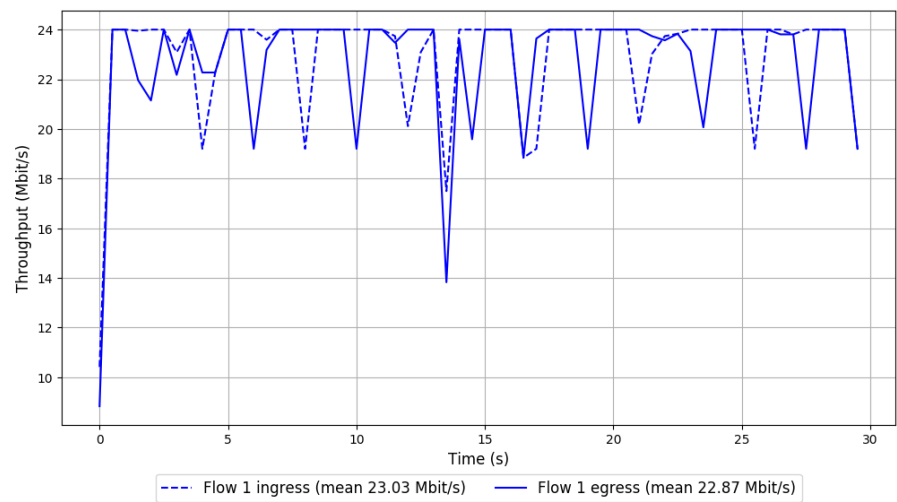
Run 1: Report of Saturator — Data Link

```
Run 2: Statistics of Saturator

Start at: Sun, 06 Aug 2017 12:14:24 +0000
End at: Sun, 06 Aug 2017 12:14:54 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 51.370 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 51.370 ms
Loss rate: 0.80%
```
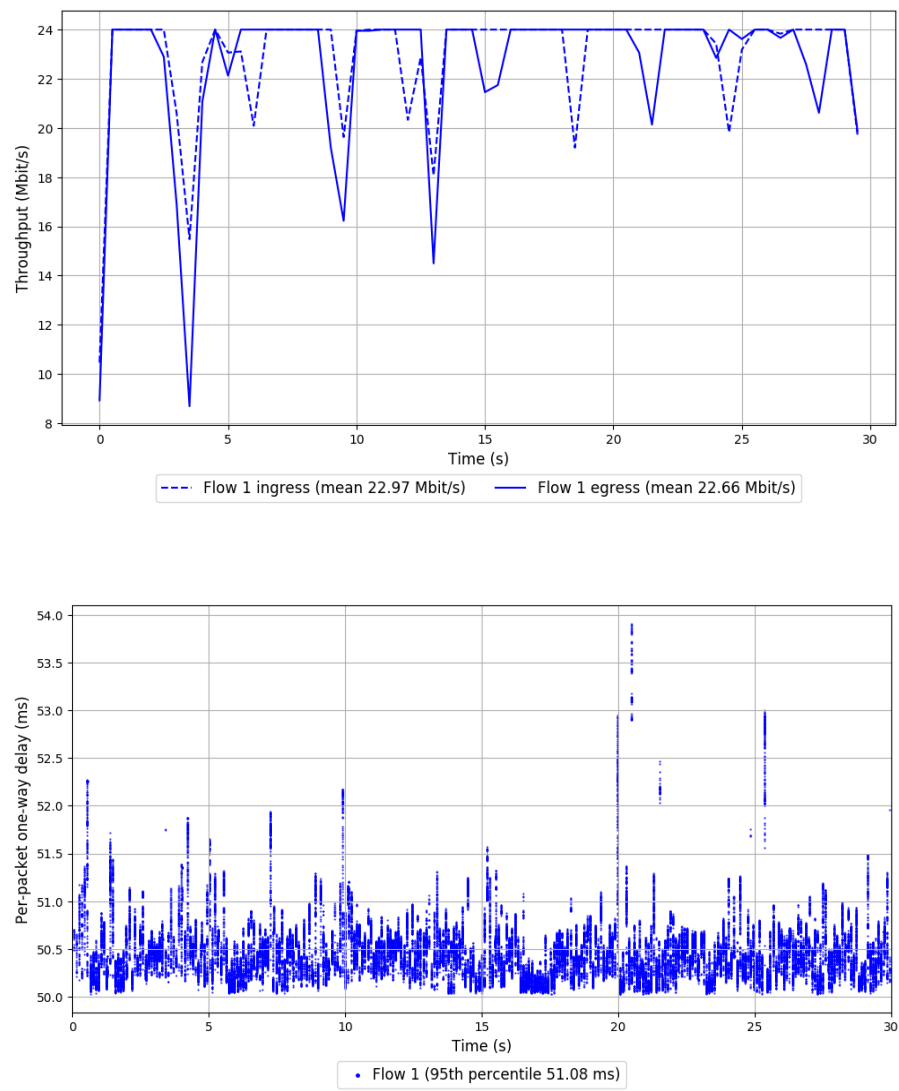
Run 2: Report of Saturator — Data Link

```
Run 3: Statistics of Saturator

Start at: Sun, 06 Aug 2017 12:25:02 +0000
End at: Sun, 06 Aug 2017 12:25:32 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.87 Mbit/s
95th percentile per-packet one-way delay: 51.037 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 22.87 Mbit/s
95th percentile per-packet one-way delay: 51.037 ms
Loss rate: 1.05%
```
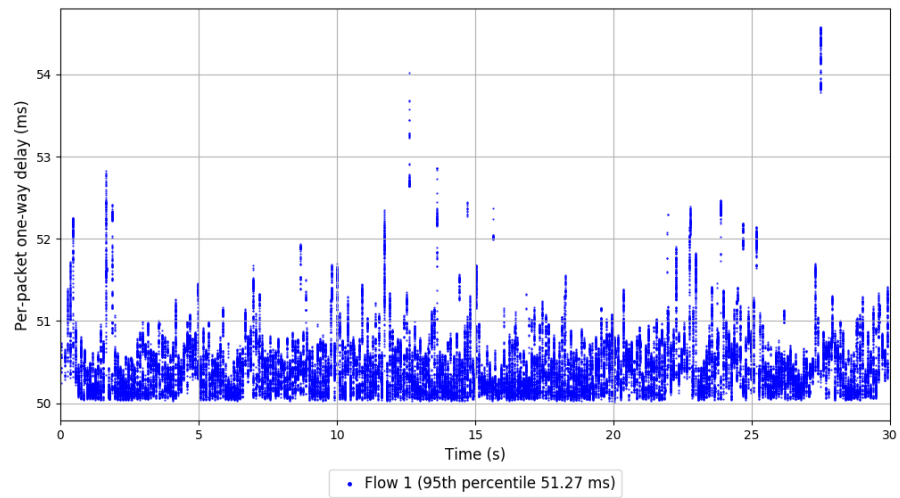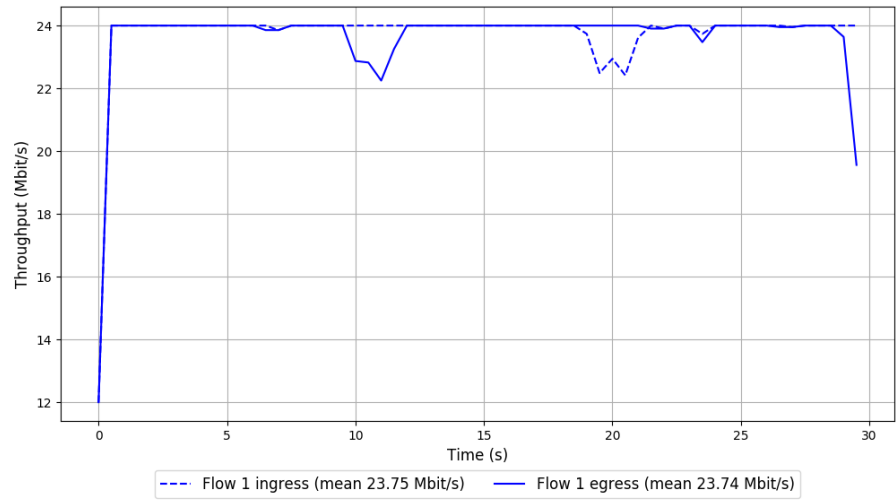
Run 3: Report of Saturator — Data Link

Flow 1 ingress (mean 23.03 Mbit/s) — — — — Flow 1 egress (mean 22.87 Mbit/s)

Flow 1 (95th percentile 51.04 ms)

```
Run 4: Statistics of Saturator

Start at: Sun, 06 Aug 2017 12:35:46 +0000
End at: Sun, 06 Aug 2017 12:36:16 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.66 Mbit/s
95th percentile per-packet one-way delay: 51.075 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 22.66 Mbit/s
95th percentile per-packet one-way delay: 51.075 ms
Loss rate: 1.71%
```
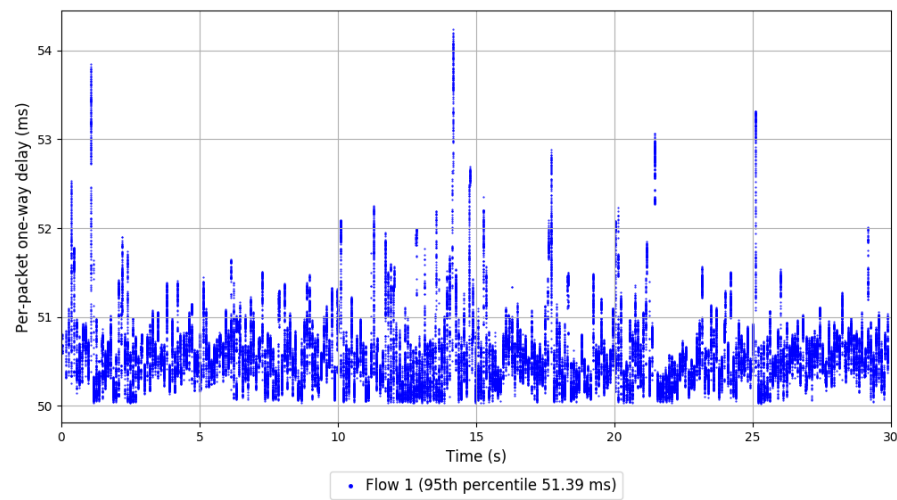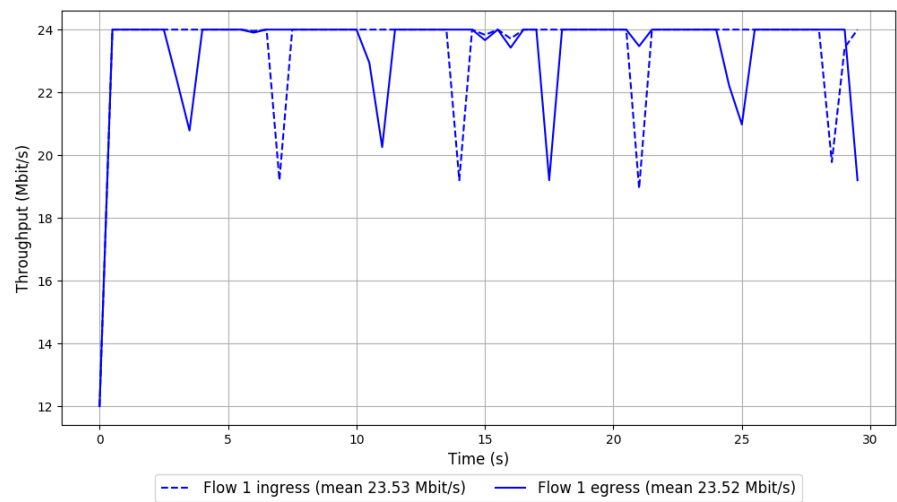
Run 4: Report of Saturator — Data Link

```
Run 5: Statistics of Saturator

Start at: Sun, 06 Aug 2017 12:46:06 +0000
End at: Sun, 06 Aug 2017 12:46:36 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 51.268 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 23.74 Mbit/s
95th percentile per-packet one-way delay: 51.268 ms
Loss rate: 0.38%
```
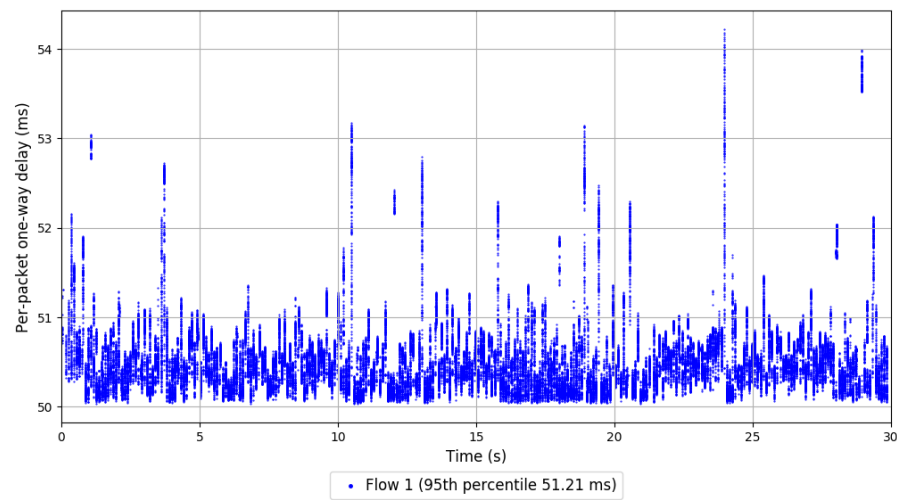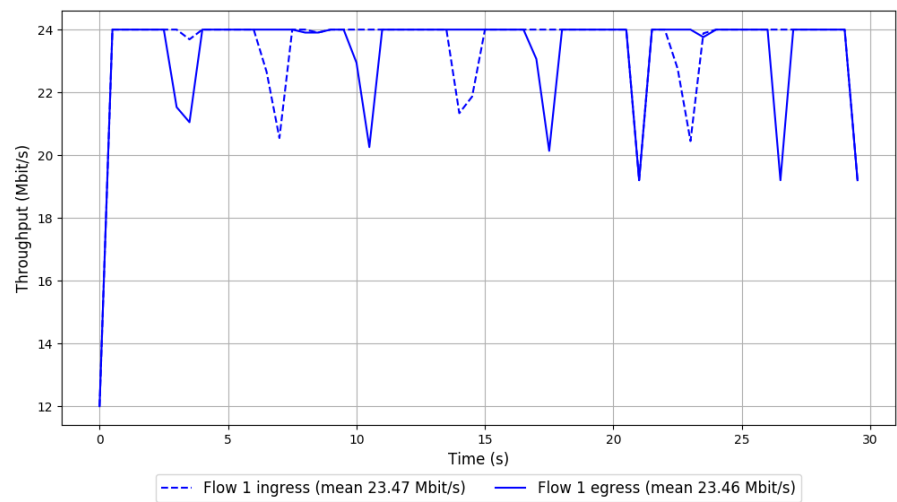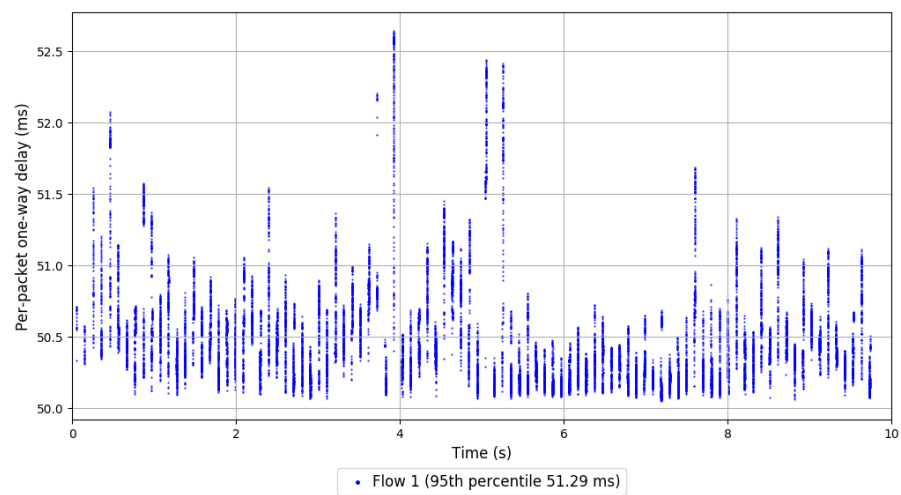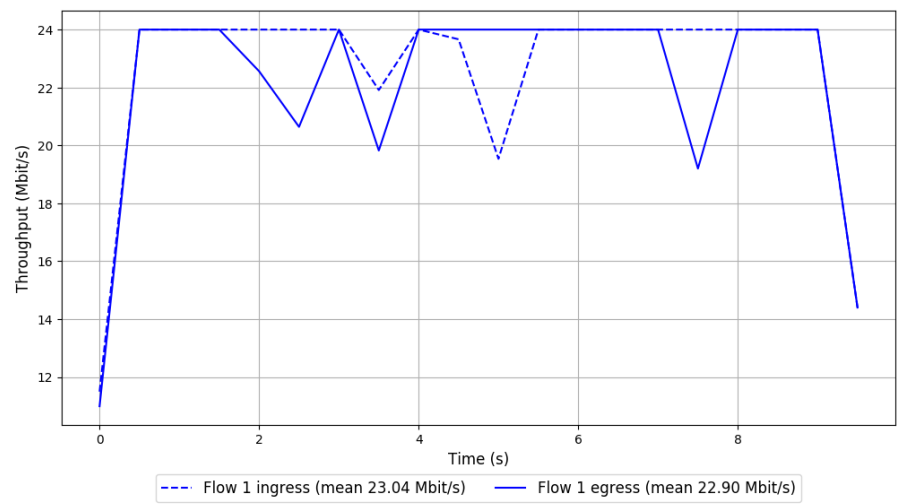
Run 5: Report of Saturator — Data Link

Flow 1 ingress (mean 23.75 Mbit/s)   Flow 1 egress (mean 23.74 Mbit/s)

Flow 1 (95th percentile 51.27 ms)

```
Run 6: Statistics of Saturator

Start at: Sun, 06 Aug 2017 12:56:48 +0000
End at: Sun, 06 Aug 2017 12:57:18 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 51.389 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 51.389 ms
Loss rate: 0.40%
```
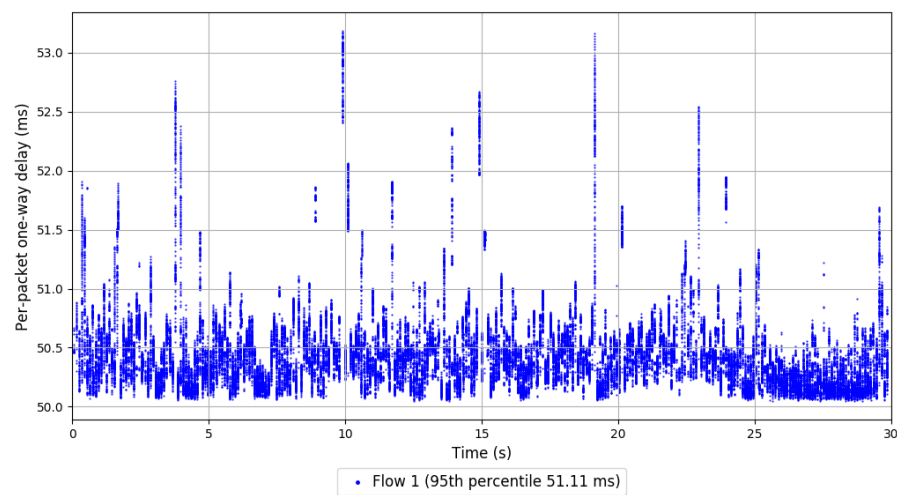
Run 6: Report of Saturator — Data Link

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```
Run 7: Statistics of Saturator

Start at: Sun, 06 Aug 2017 13:07:28 +0000
End at: Sun, 06 Aug 2017 13:07:58 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 51.207 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 51.207 ms
Loss rate: 0.38%
```
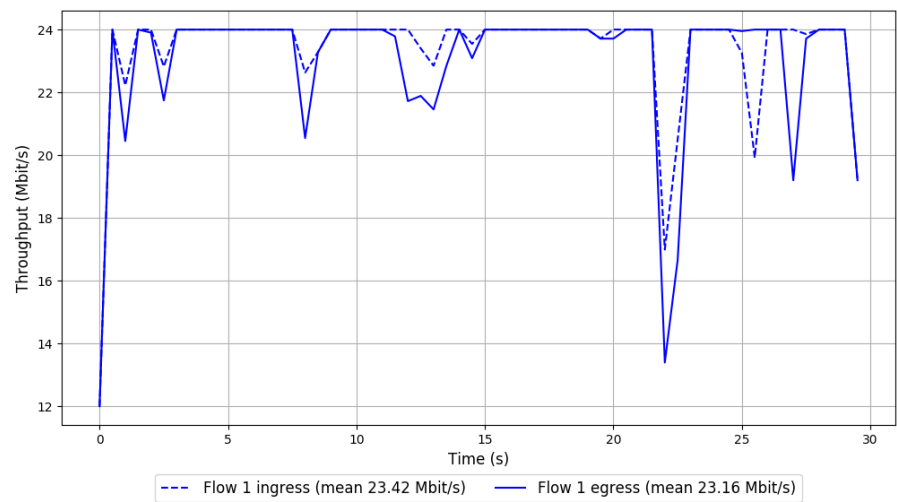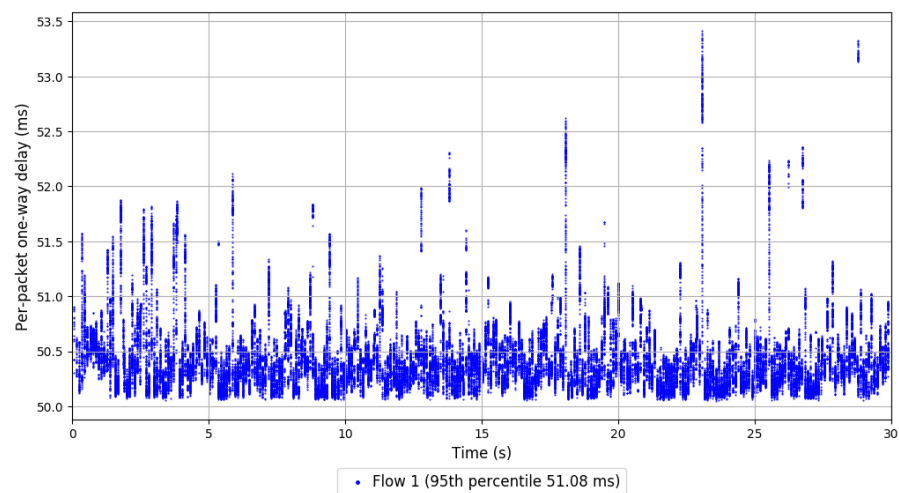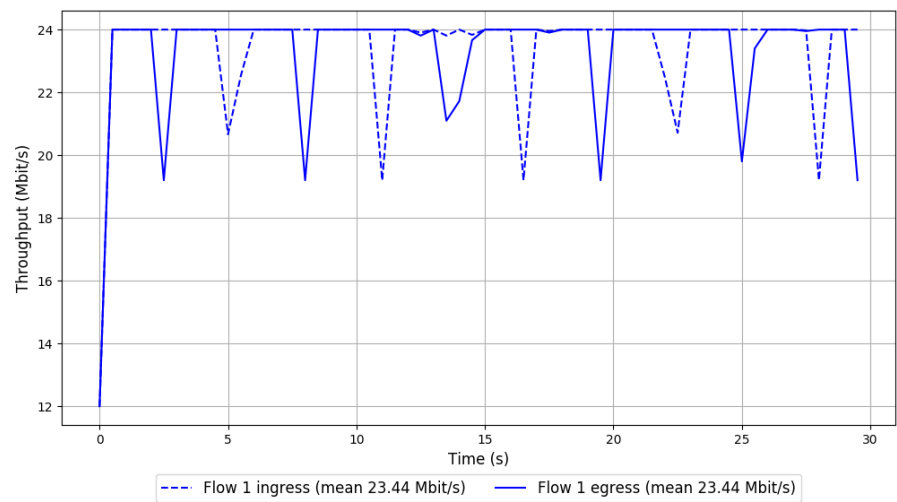
Run 7: Report of Saturator — Data Link

Run 8: Statistics of Saturator

Start at: Sun, 06 Aug 2017 13:17:55 +0000
End at: Sun, 06 Aug 2017 13:18:25 +0000

Run 8: Report of Saturator — Data Link

```
Run 9: Statistics of Saturator

Start at: Sun, 06 Aug 2017 13:28:32 +0000
End at: Sun, 06 Aug 2017 13:29:02 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 51.114 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 23.16 Mbit/s
95th percentile per-packet one-way delay: 51.114 ms
Loss rate: 1.42%
```
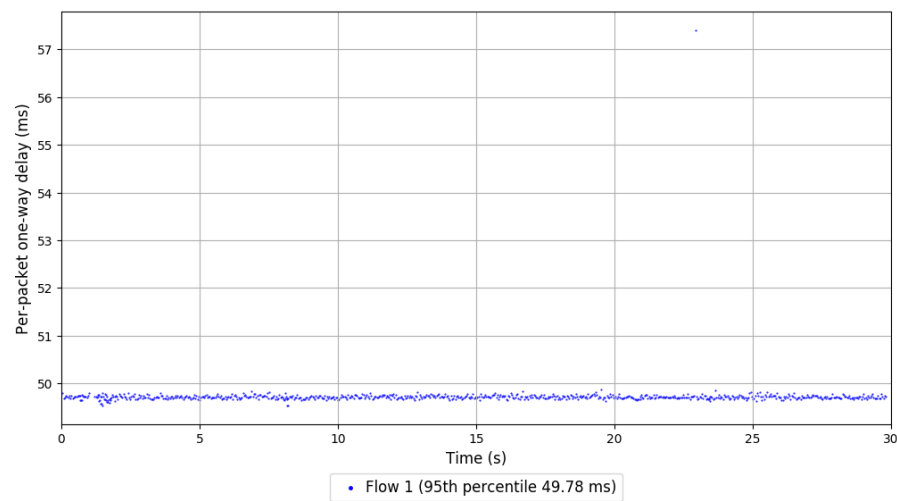
Run 9: Report of Saturator — Data Link

```
Run 10: Statistics of Saturator

Start at: Sun, 06 Aug 2017 13:38:58 +0000
End at: Sun, 06 Aug 2017 13:39:28 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 51.078 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 23.44 Mbit/s
95th percentile per-packet one-way delay: 51.078 ms
Loss rate: 0.38%
```
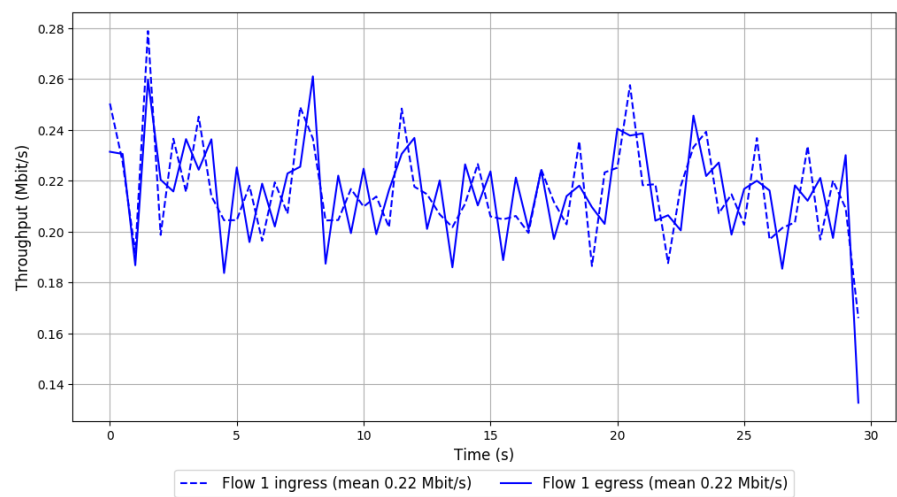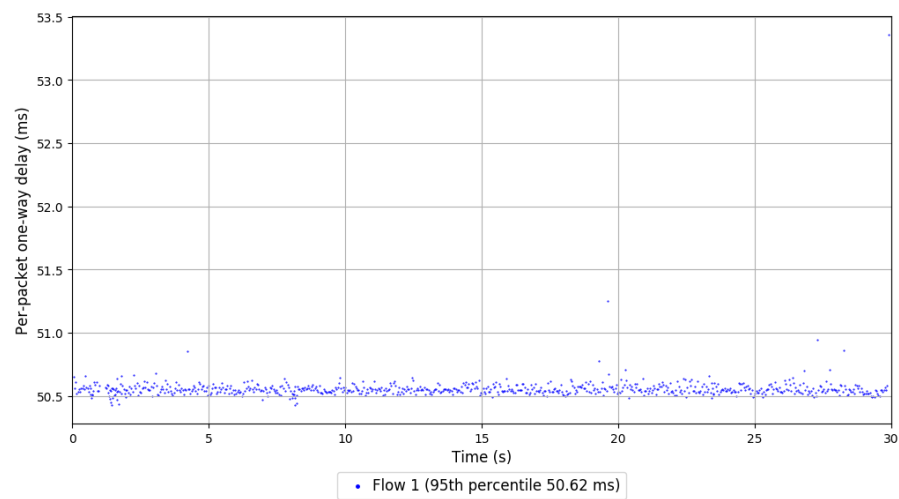
Run 10: Report of Saturator — Data Link

```
Run 1: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 12:08:04 +0000
End at: Sun, 06 Aug 2017 12:08:34 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.780 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.780 ms
Loss rate: 0.38%
```
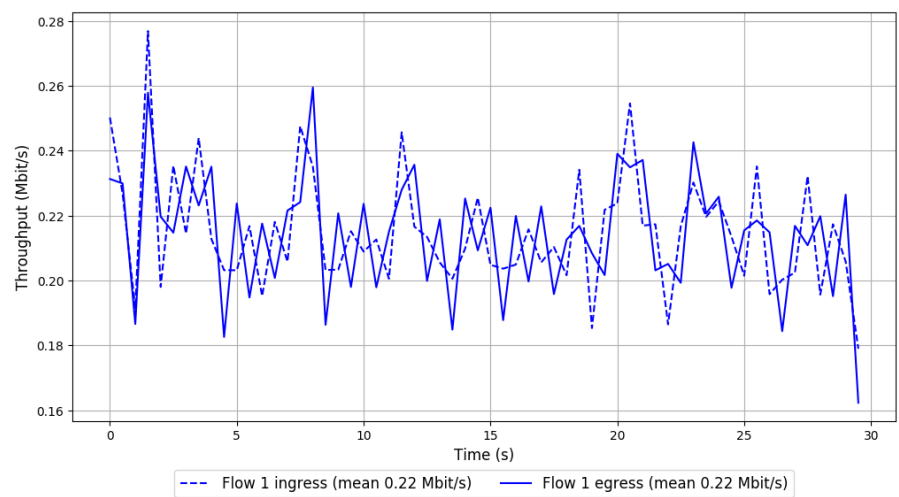
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 12:18:42 +0000
End at: Sun, 06 Aug 2017 12:19:12 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.617 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.617 ms
Loss rate: 0.25%
```
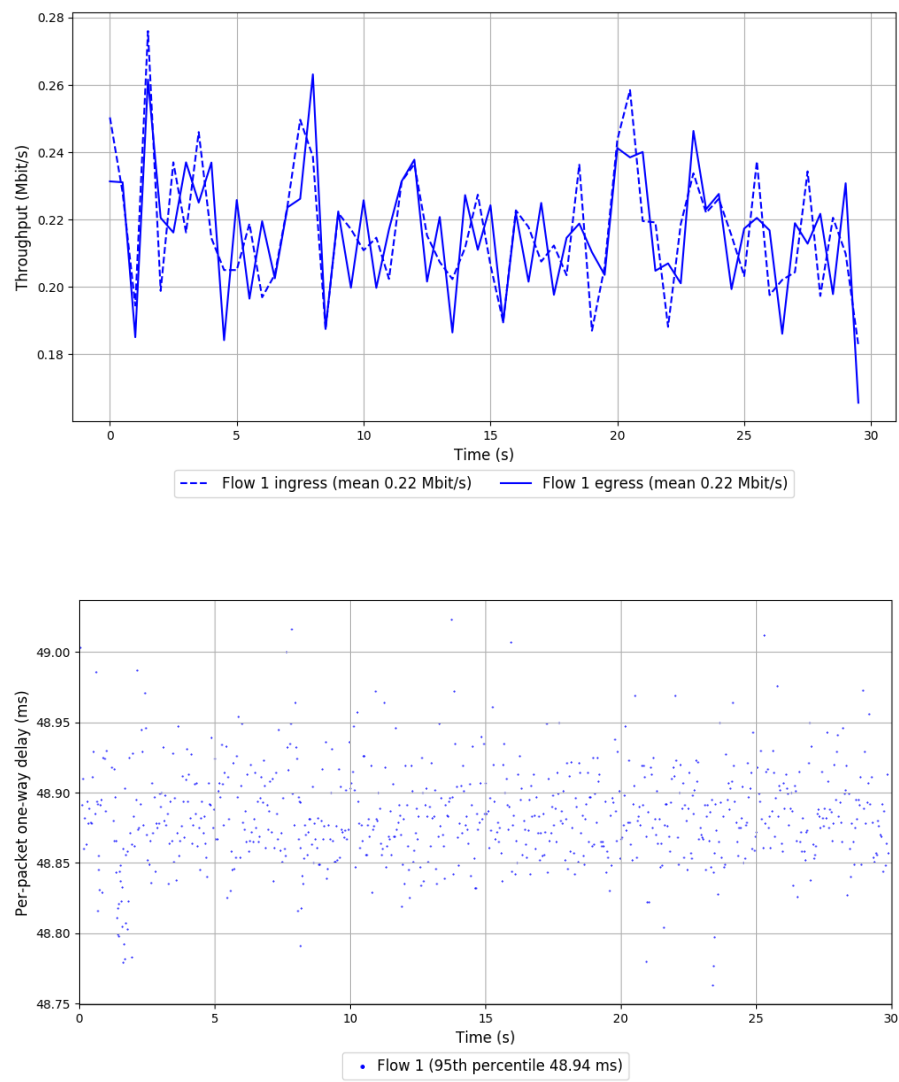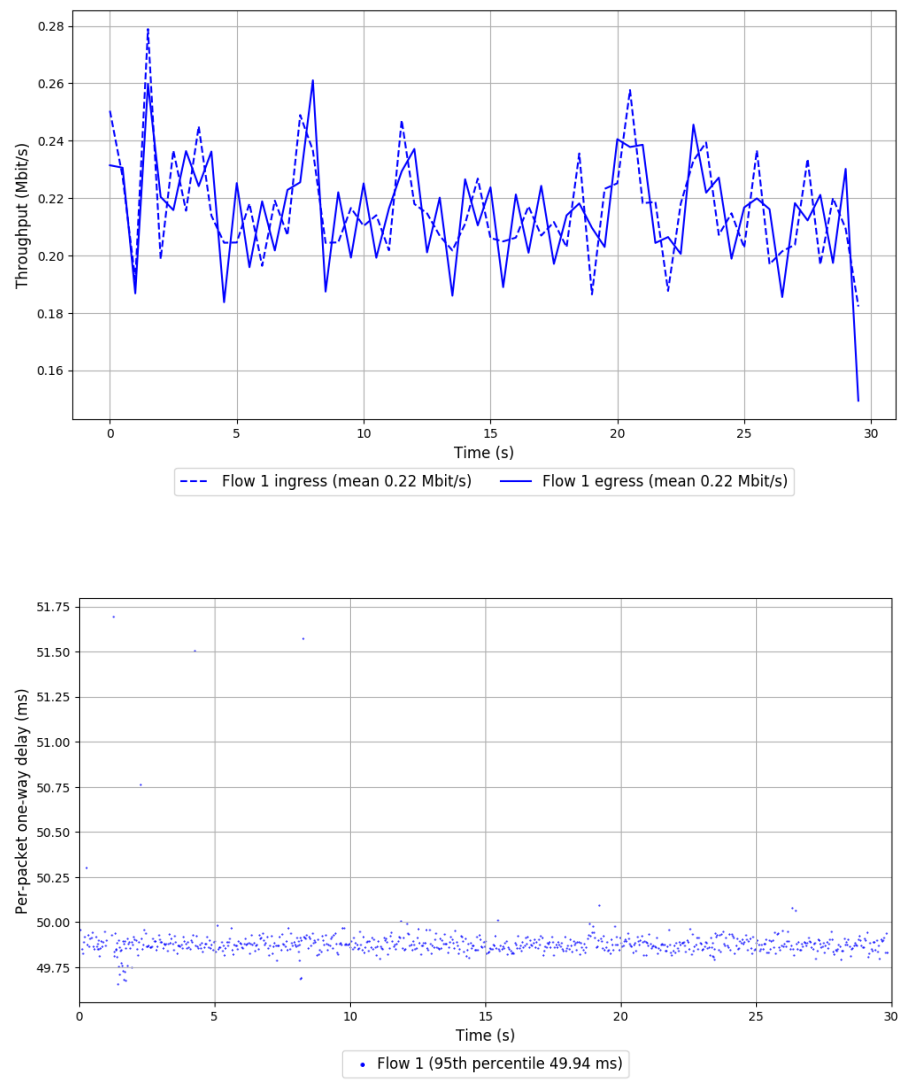
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 12:29:19 +0000
End at: Sun, 06 Aug 2017 12:29:49 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.943 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 48.943 ms
Loss rate: 0.26%
```
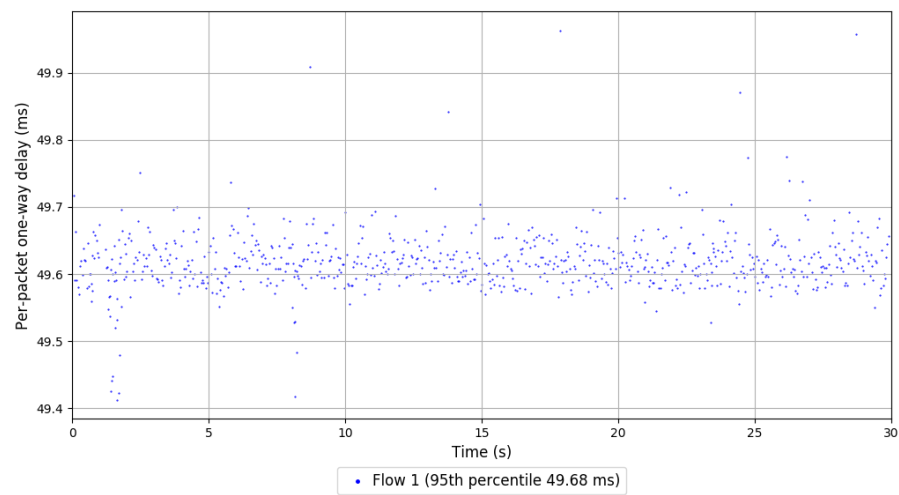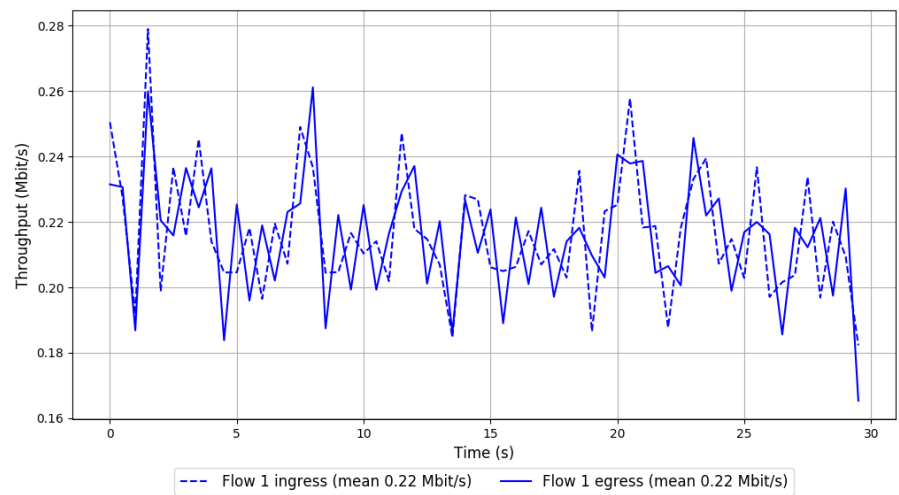
Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 12:39:53 +0000
End at: Sun, 06 Aug 2017 12:40:23 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:30:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.941 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.941 ms
Loss rate: 0.38%
```
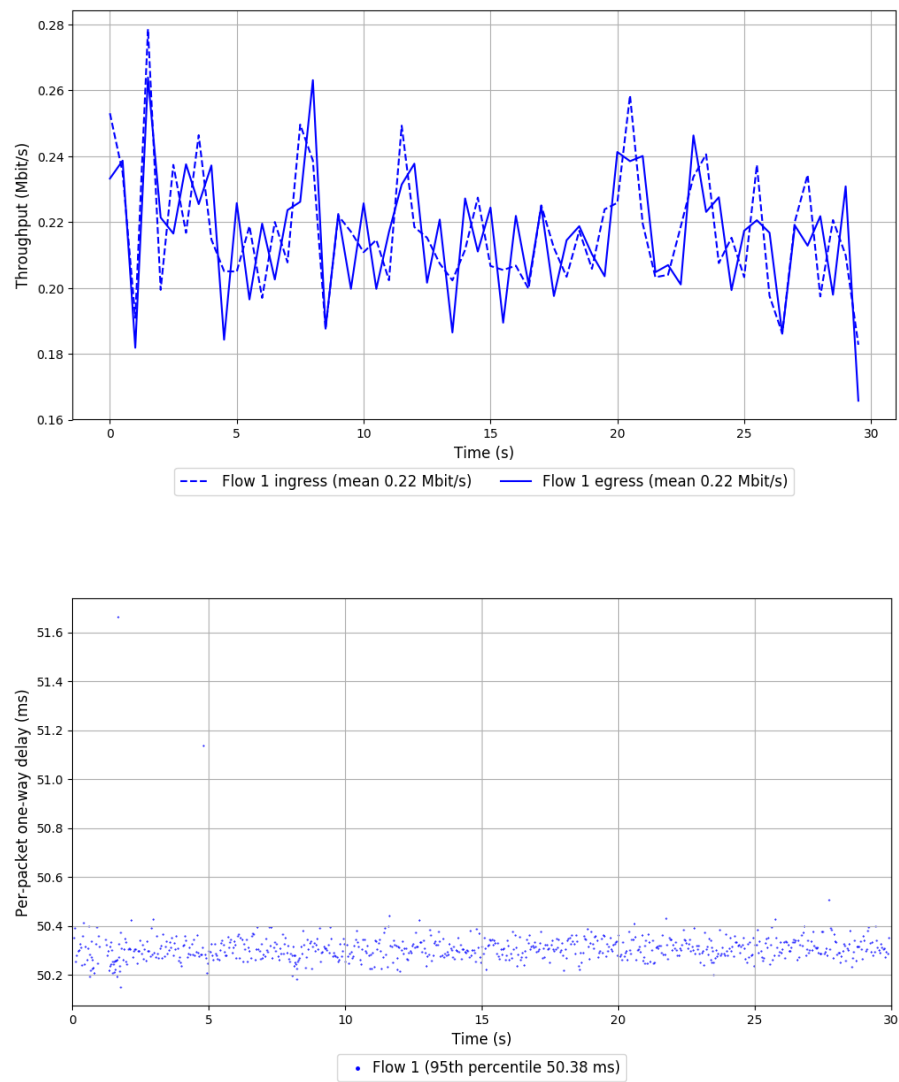
Run 4: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 49.94 ms)

```
Run 5: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 12:50:23 +0000
End at: Sun, 06 Aug 2017 12:50:53 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.683 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.683 ms
Loss rate: 0.26%
```
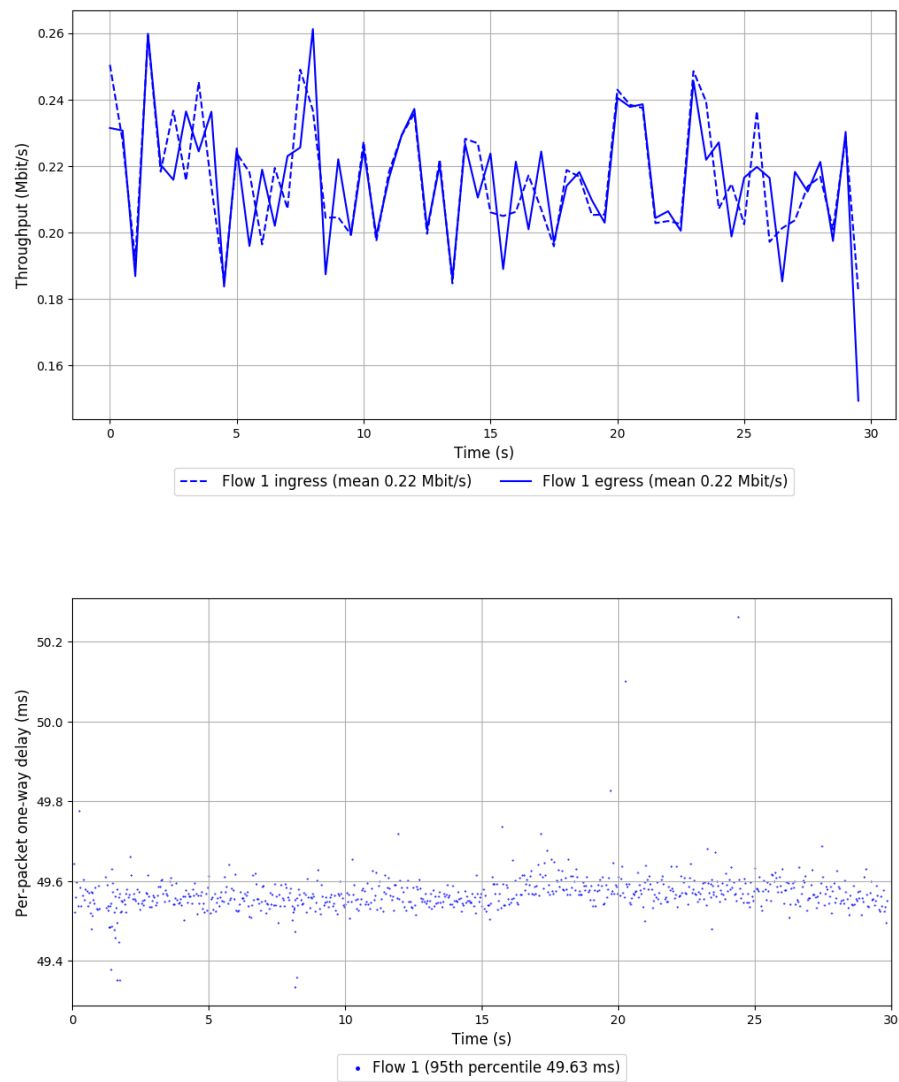
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 13:01:09 +0000
End at: Sun, 06 Aug 2017 13:01:39 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.379 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.379 ms
Loss rate: 0.26%
```
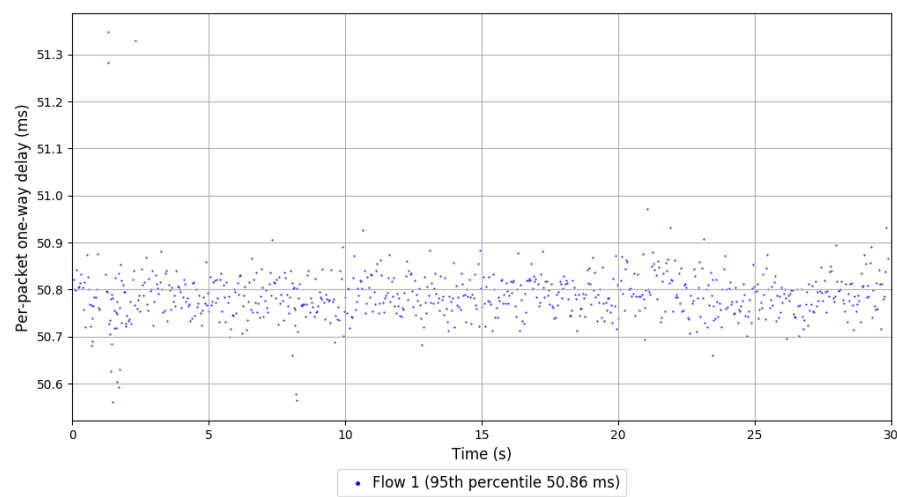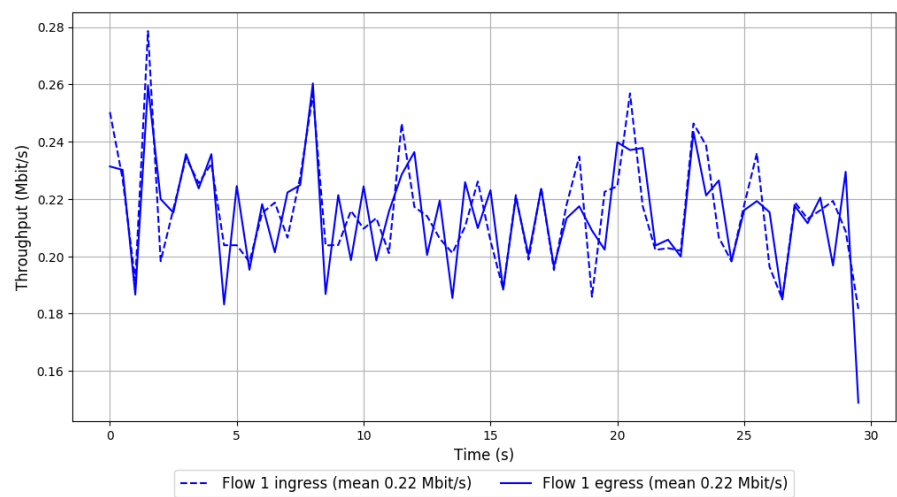
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 50.38 ms)

```
Run 7: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 13:11:44 +0000
End at: Sun, 06 Aug 2017 13:12:14 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.627 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.627 ms
Loss rate: 0.38%
```
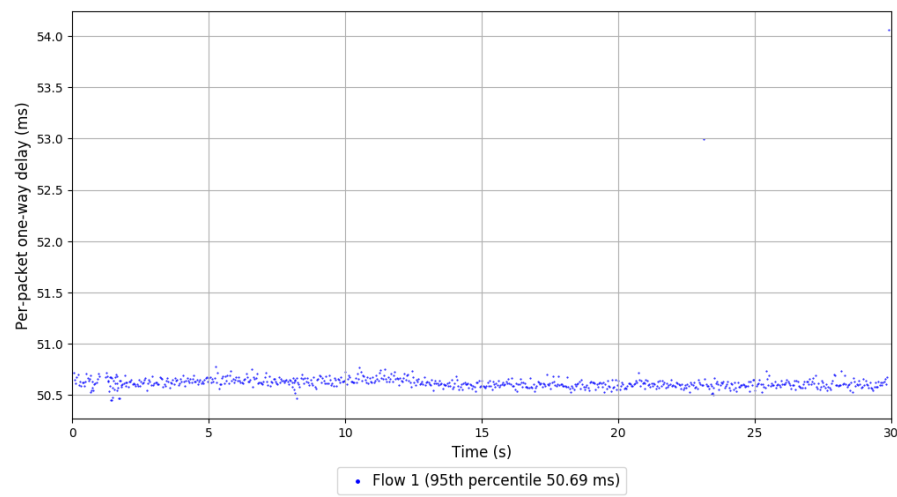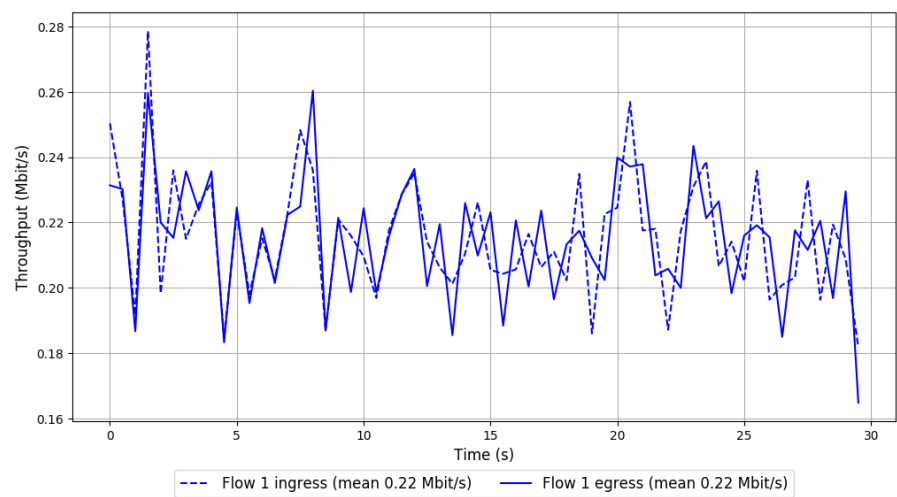
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 13:22:14 +0000
End at: Sun, 06 Aug 2017 13:22:44 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.859 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.859 ms
Loss rate: 0.38%
```
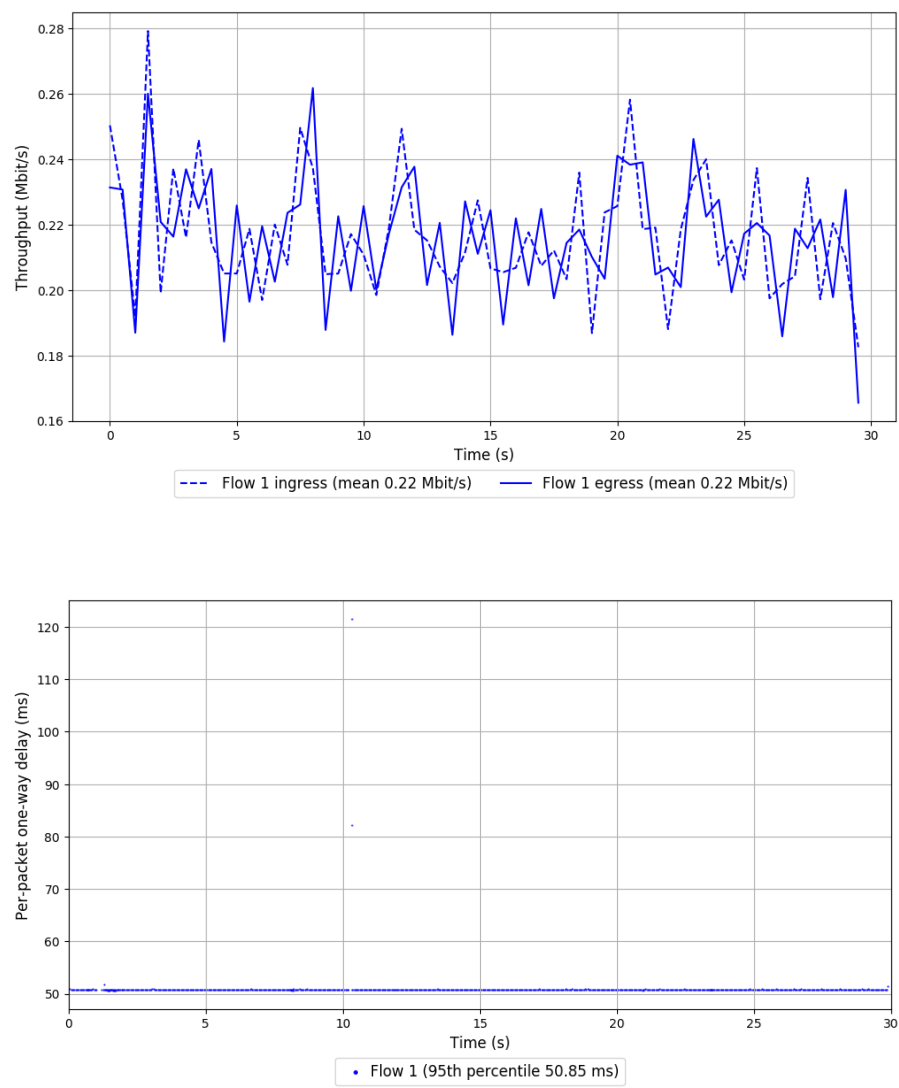
Run 8: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 50.86 ms)

```
Run 9: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 13:32:50 +0000
End at: Sun, 06 Aug 2017 13:33:20 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.692 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.692 ms
Loss rate: 0.26%
```
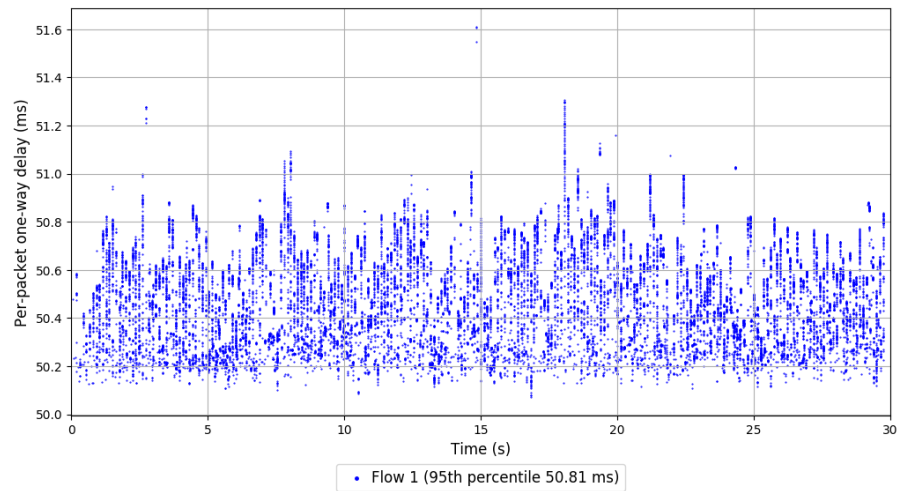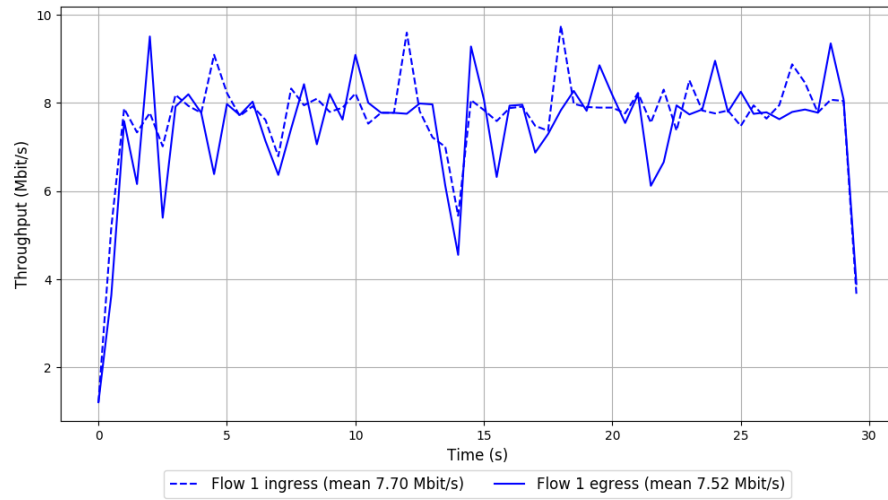
Run 9: Report of SCReAM — Data Link

```
Run 10: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 13:43:16 +0000
End at: Sun, 06 Aug 2017 13:43:46 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.846 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.846 ms
Loss rate: 0.26%
```
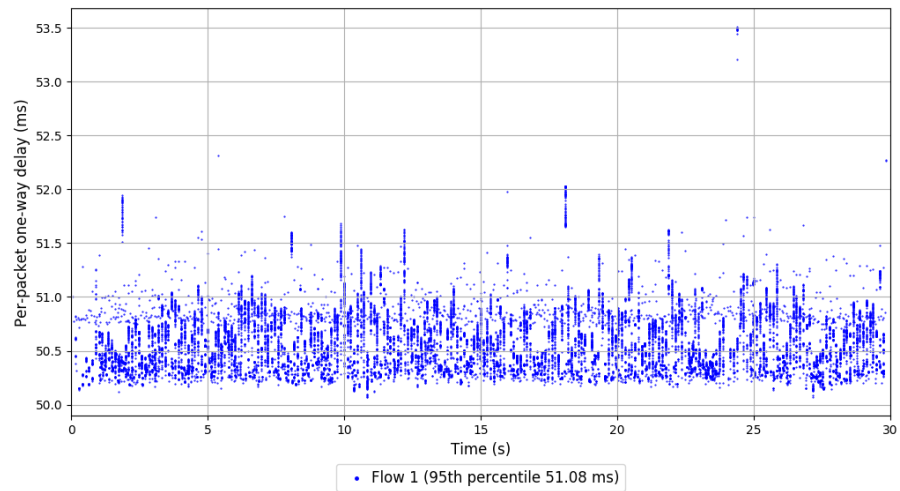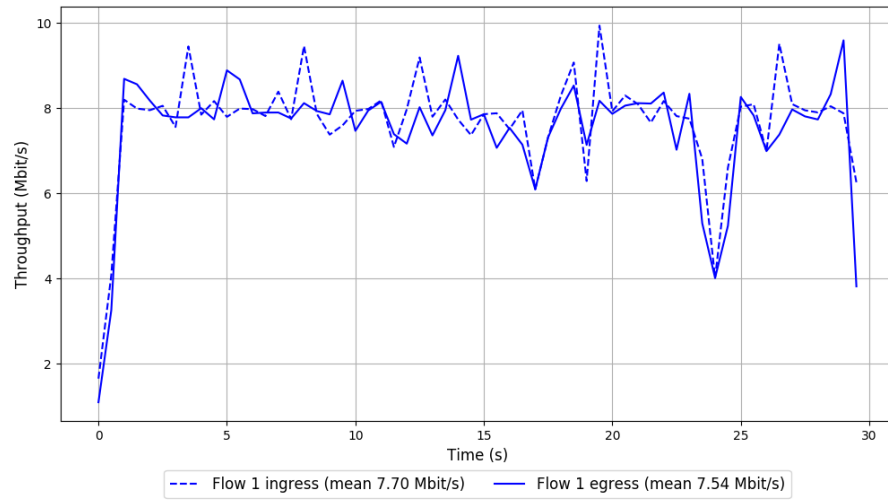
Run 10: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 50.85 ms)

```
Run 1: Statistics of Sprout

Start at: Sun, 06 Aug 2017 12:03:11 +0000
End at: Sun, 06 Aug 2017 12:03:41 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 50.811 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 50.811 ms
Loss rate: 2.67%
```
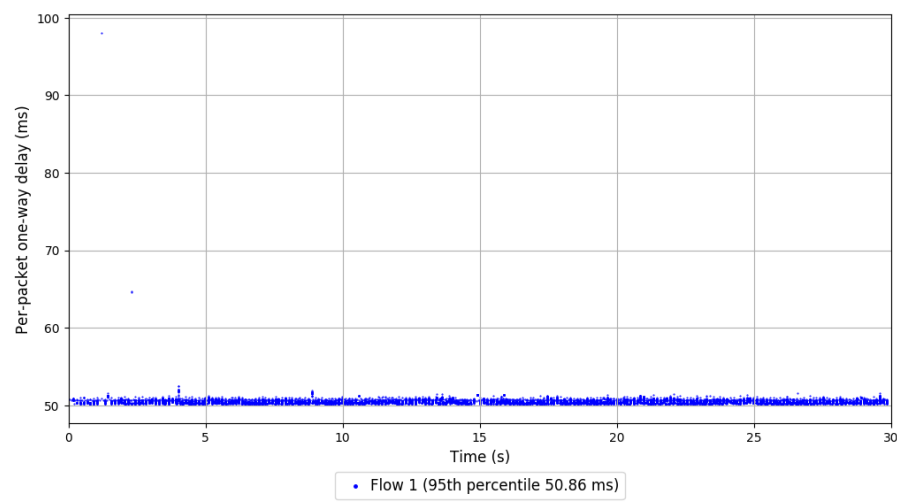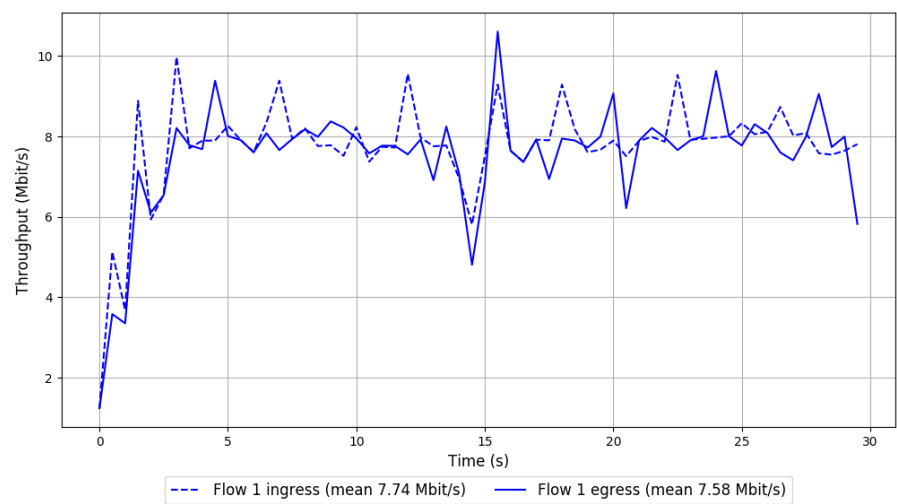
Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: Sun, 06 Aug 2017 12:13:46 +0000
End at: Sun, 06 Aug 2017 12:14:16 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 51.083 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 7.54 Mbit/s
95th percentile per-packet one-way delay: 51.083 ms
Loss rate: 2.31%
```
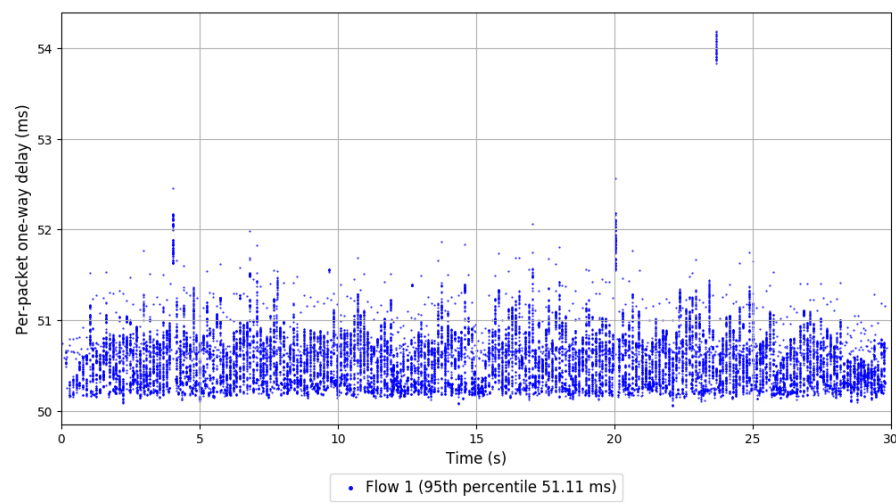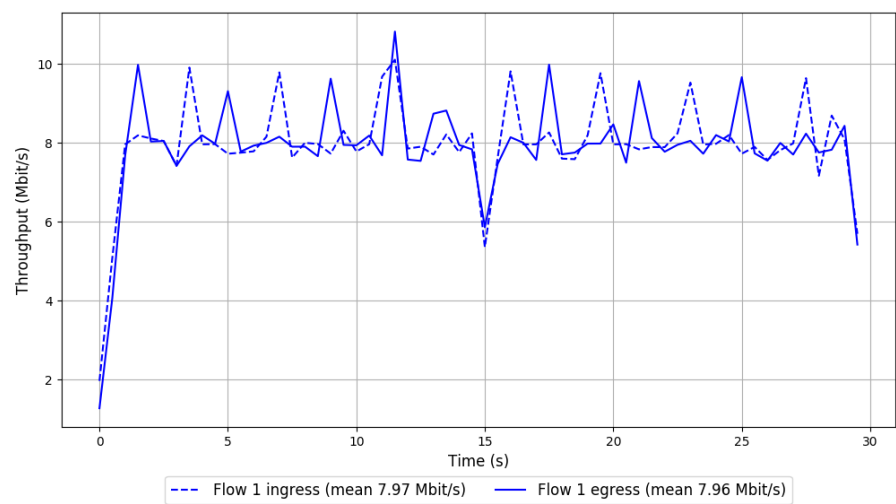
Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: Sun, 06 Aug 2017 12:24:25 +0000
End at: Sun, 06 Aug 2017 12:24:55 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 50.860 ms
Loss rate: 2.48%
-- Flow 1:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 50.860 ms
Loss rate: 2.48%
```
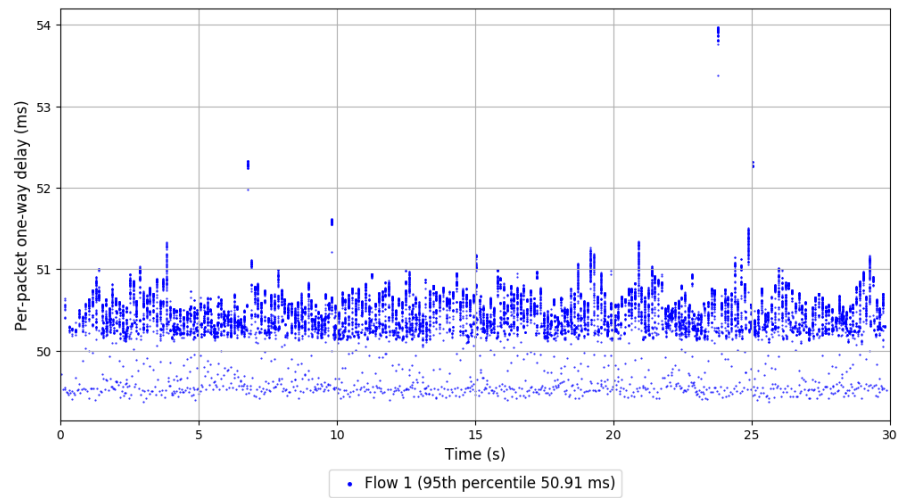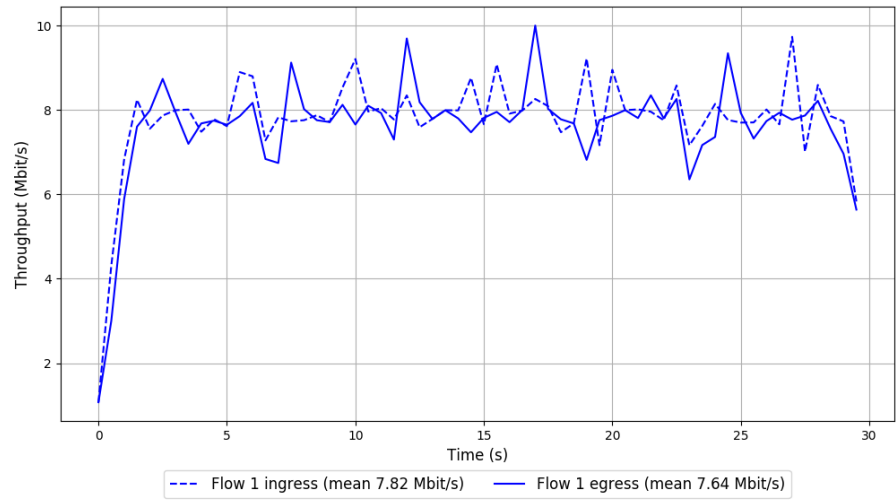
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 7.74 Mbit/s)   Flow 1 egress (mean 7.58 Mbit/s)

Flow 1 (95th percentile 50.86 ms)

```
Run 4: Statistics of Sprout

Start at: Sun, 06 Aug 2017 12:35:08 +0000
End at: Sun, 06 Aug 2017 12:35:38 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 51.112 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 7.96 Mbit/s
95th percentile per-packet one-way delay: 51.112 ms
Loss rate: 0.52%
```
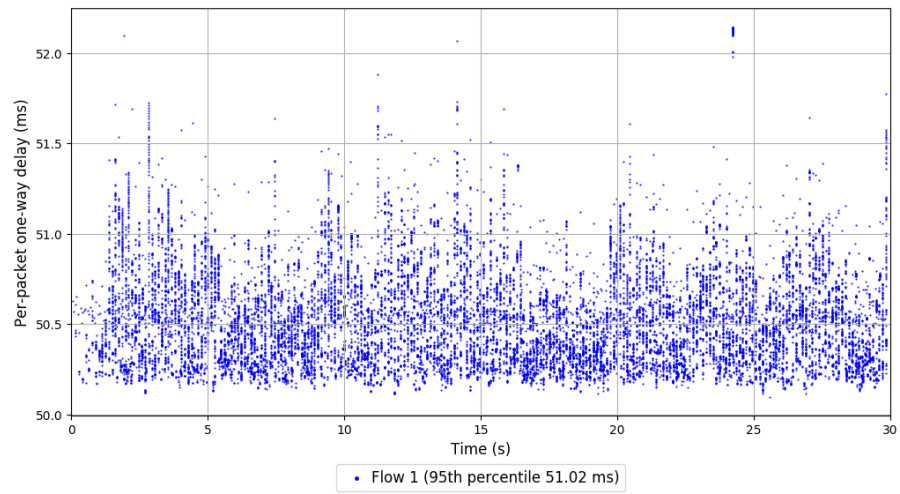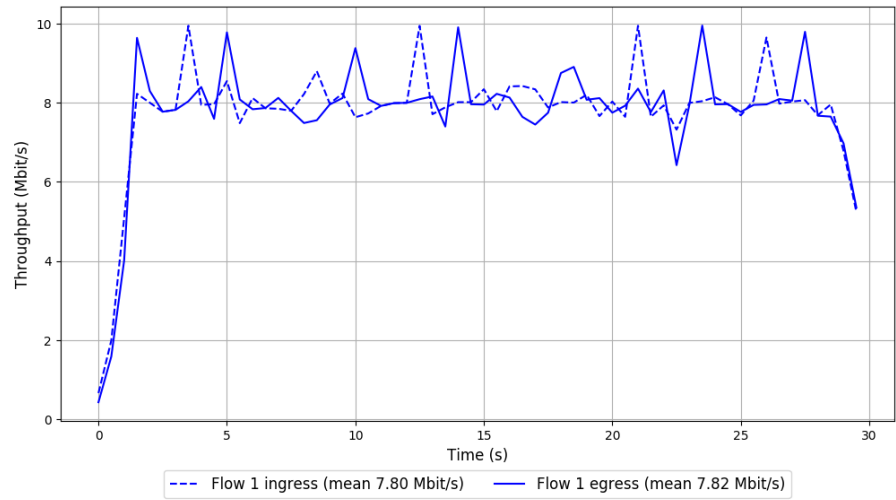
Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: Sun, 06 Aug 2017 12:45:28 +0000
End at: Sun, 06 Aug 2017 12:45:59 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.64 Mbit/s
95th percentile per-packet one-way delay: 50.907 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 7.64 Mbit/s
95th percentile per-packet one-way delay: 50.907 ms
Loss rate: 2.44%
```
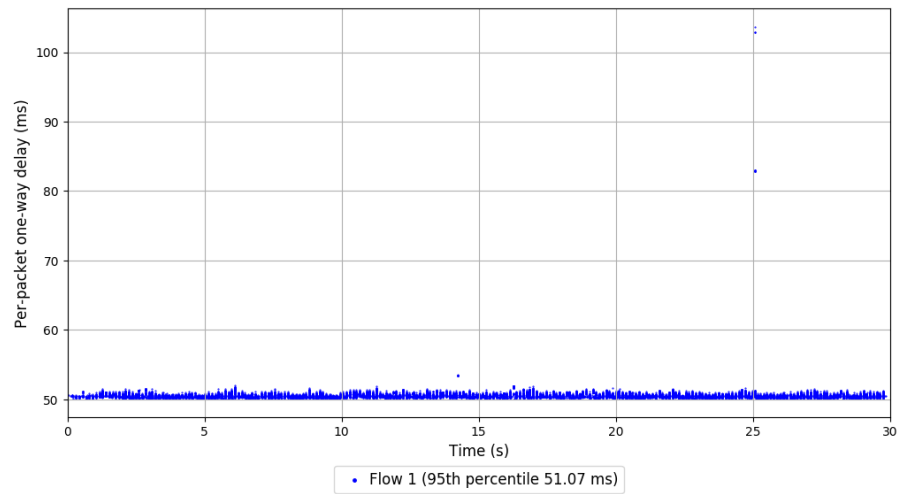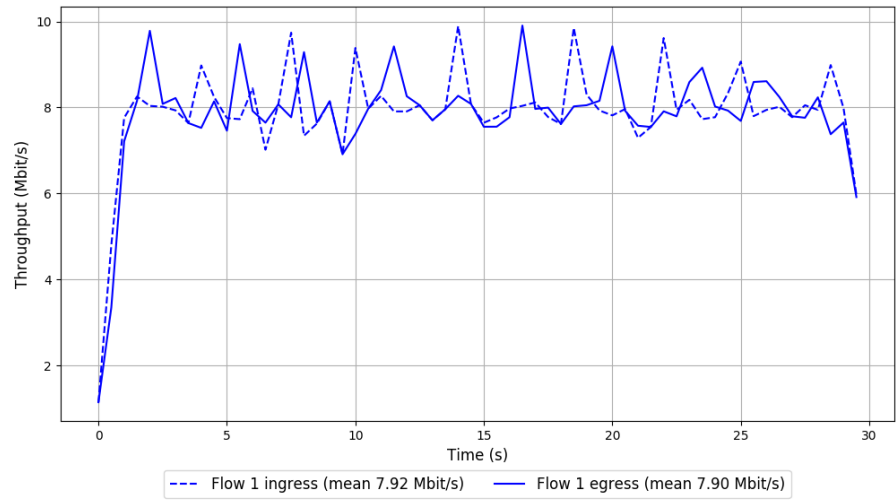
Run 5: Report of Sprout — Data Link

Flow 1 ingress (mean 7.82 Mbit/s)   Flow 1 egress (mean 7.64 Mbit/s)

Flow 1 (95th percentile 50.91 ms)

```
Run 6: Statistics of Sprout

Start at: Sun, 06 Aug 2017 12:56:11 +0000
End at: Sun, 06 Aug 2017 12:56:41 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 51.016 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 51.016 ms
Loss rate: 0.06%
```
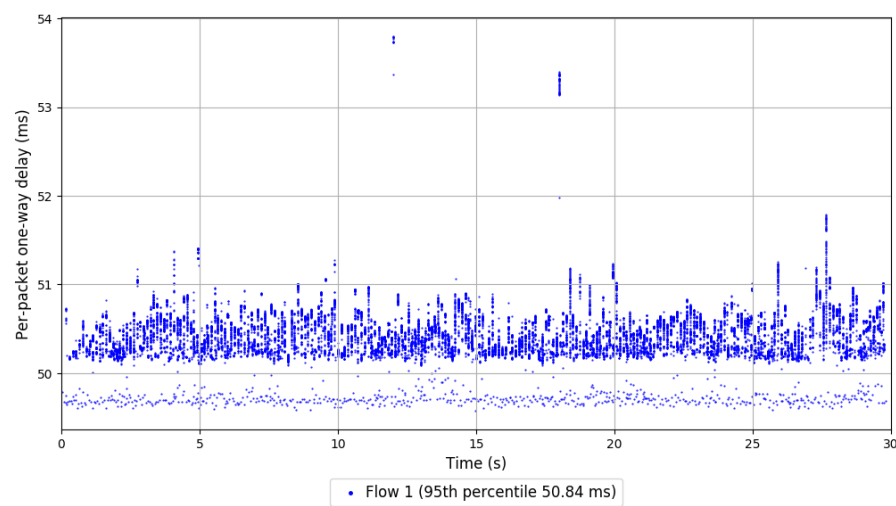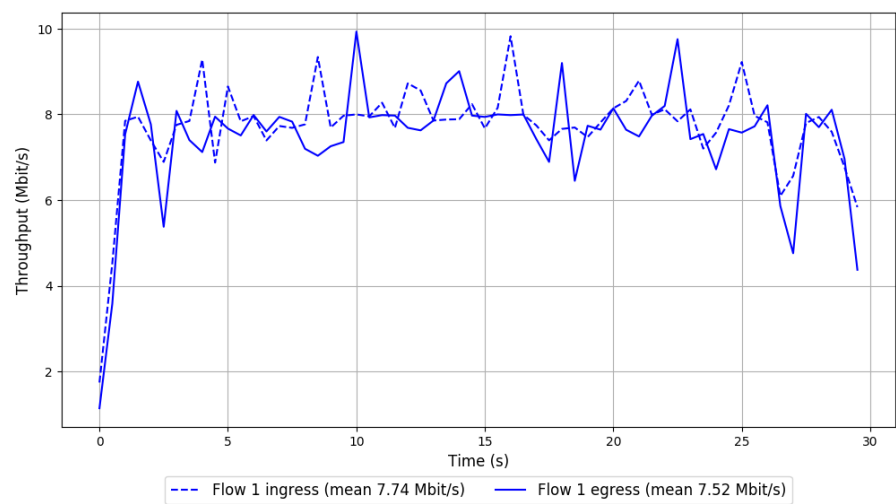
Run 6: Report of Sprout — Data Link

215

```
Run 7: Statistics of Sprout

Start at: Sun, 06 Aug 2017 13:06:50 +0000
End at: Sun, 06 Aug 2017 13:07:20 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 51.066 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 51.066 ms
Loss rate: 0.48%
```
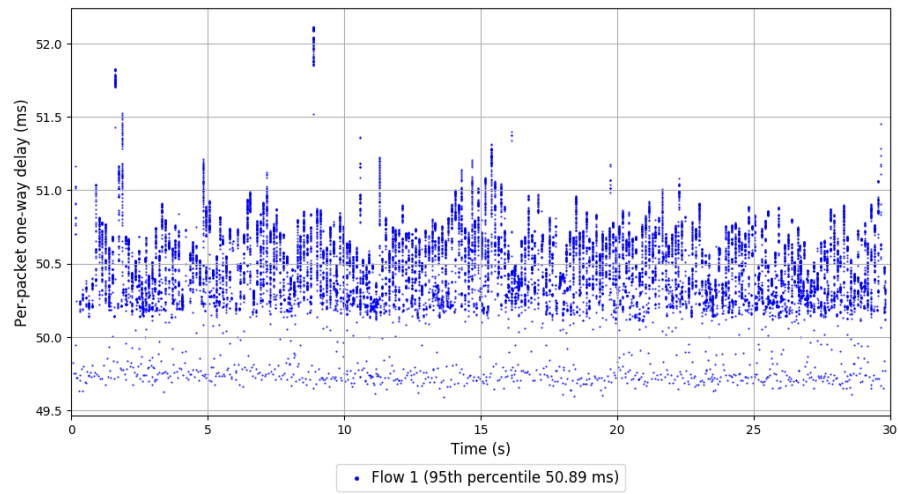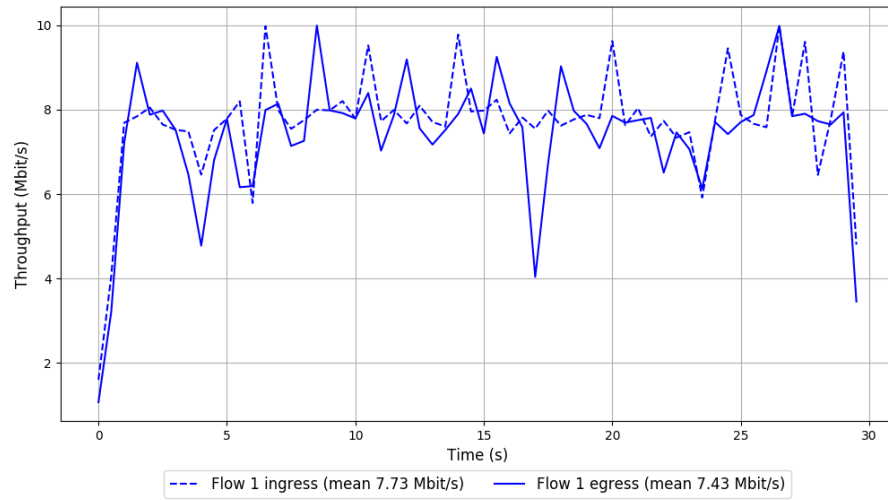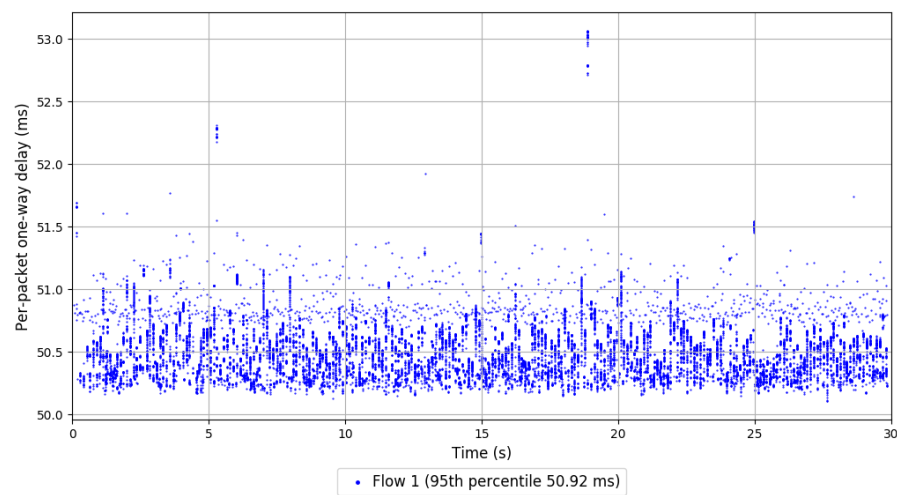
Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 7.92 Mbit/s)   Flow 1 egress (mean 7.90 Mbit/s)

Flow 1 (95th percentile 51.07 ms)

```
Run 8: Statistics of Sprout

Start at: Sun, 06 Aug 2017 13:17:18 +0000
End at: Sun, 06 Aug 2017 13:17:48 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 50.836 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 50.836 ms
Loss rate: 3.16%
```
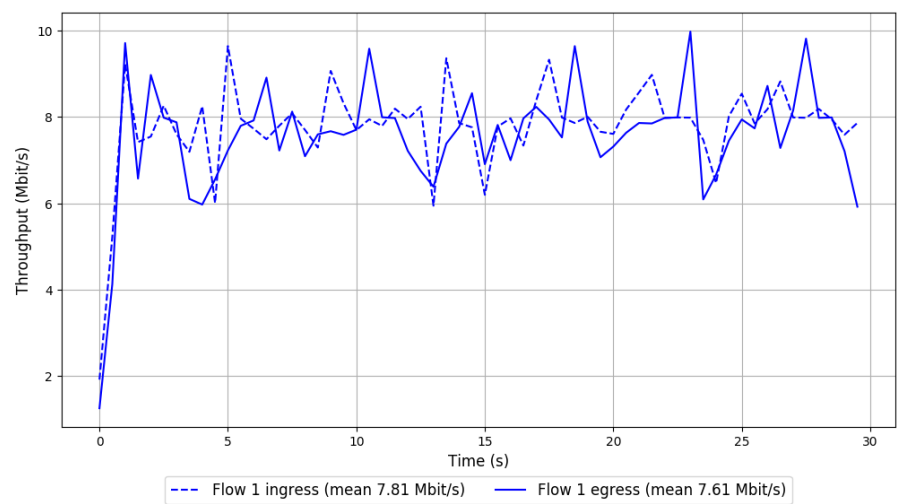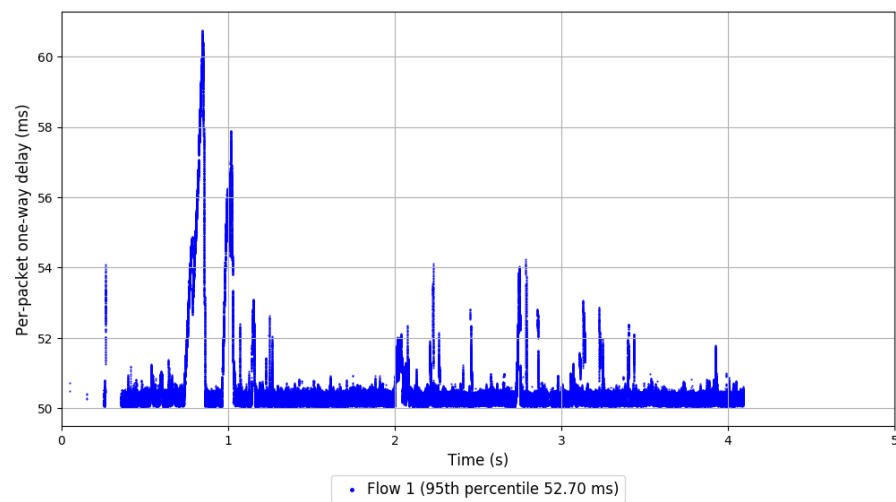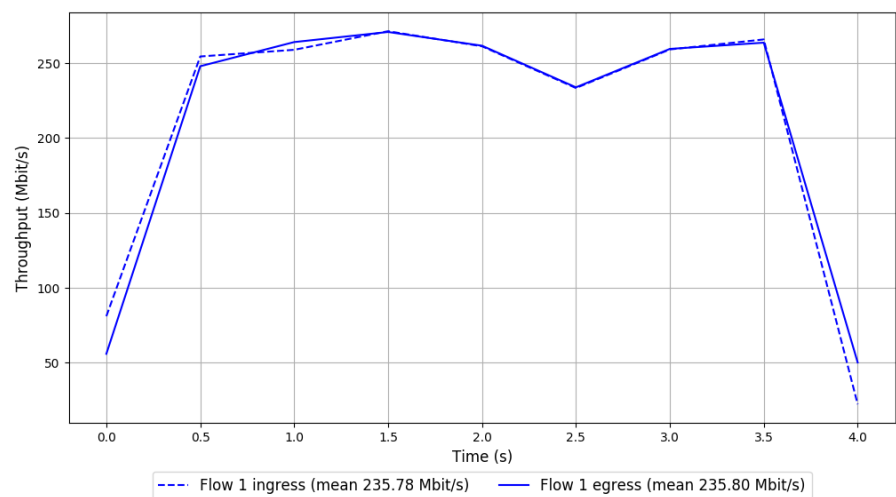
Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 7.74 Mbit/s)   Flow 1 egress (mean 7.52 Mbit/s)

• Flow 1 (95th percentile 50.84 ms)

219

```
Run 9: Statistics of Sprout

Start at: Sun, 06 Aug 2017 13:27:55 +0000
End at: Sun, 06 Aug 2017 13:28:25 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 50.894 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 7.43 Mbit/s
95th percentile per-packet one-way delay: 50.894 ms
Loss rate: 4.21%
```

Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: Sun, 06 Aug 2017 13:38:21 +0000
End at: Sun, 06 Aug 2017 13:38:51 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:31:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 50.918 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 50.918 ms
Loss rate: 3.00%
```

Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 7.81 Mbit/s)   Flow 1 egress (mean 7.61 Mbit/s)

Flow 1 (95th percentile 50.92 ms)

Run 1: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 12:02:31 +0000
End at: Sun, 06 Aug 2017 12:03:01 +0000

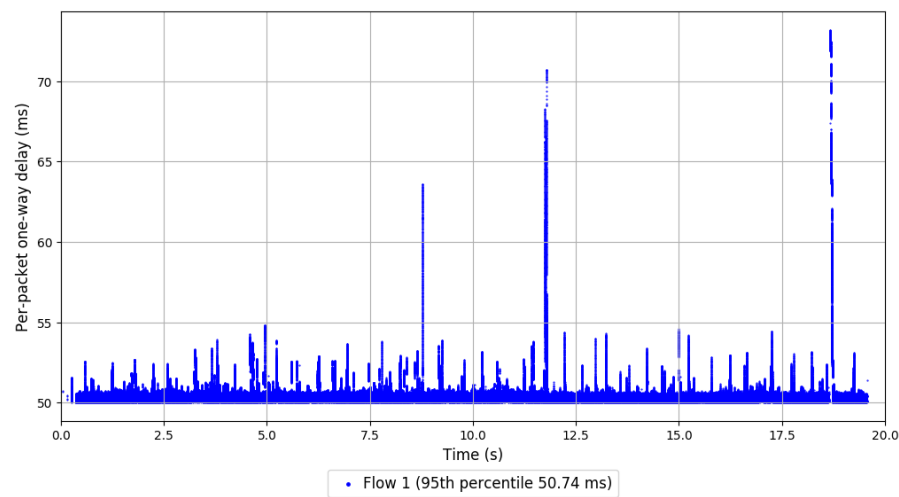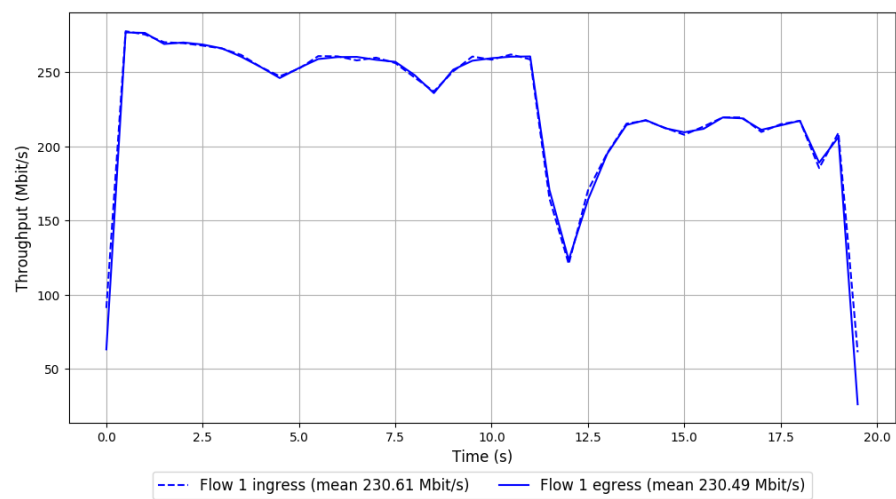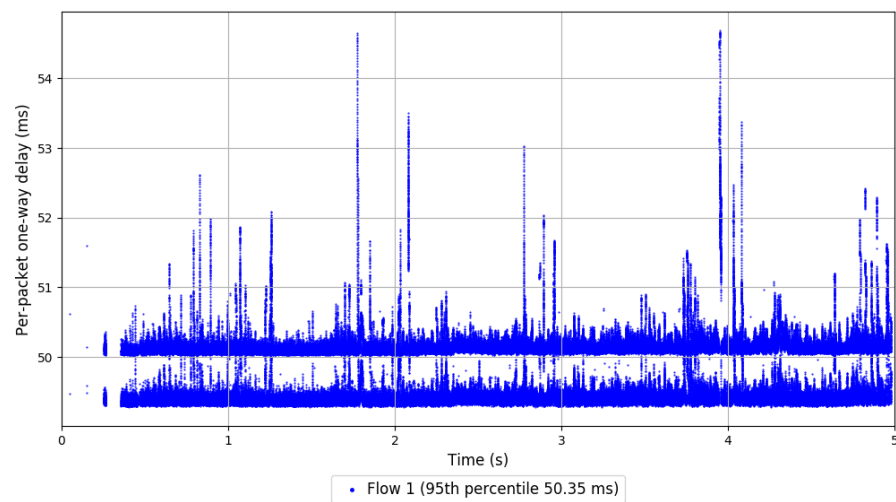# Run 1: Report of TaoVA-100x — Data Link

Run 2: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 12:13:01 +0000
End at: Sun, 06 Aug 2017 12:13:31 +0000
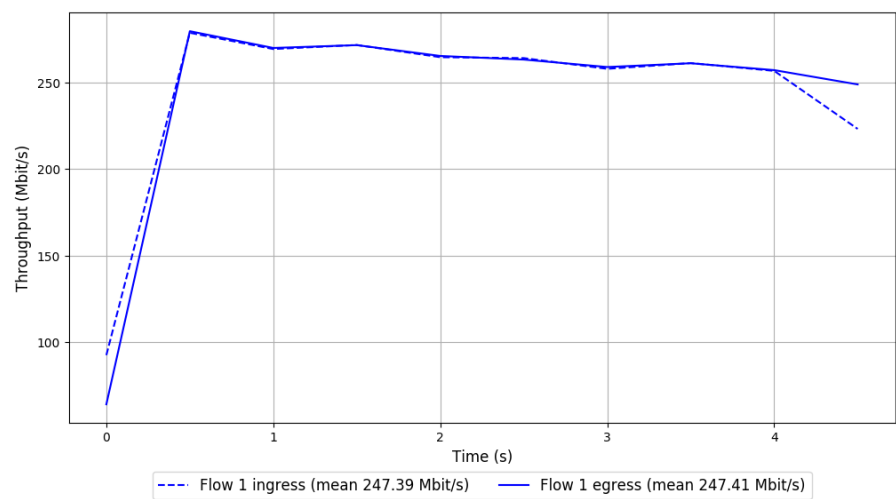
Run 2: Report of TaoVA-100x — Data Link

Run 3: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 12:23:45 +0000
End at: Sun, 06 Aug 2017 12:24:15 +0000

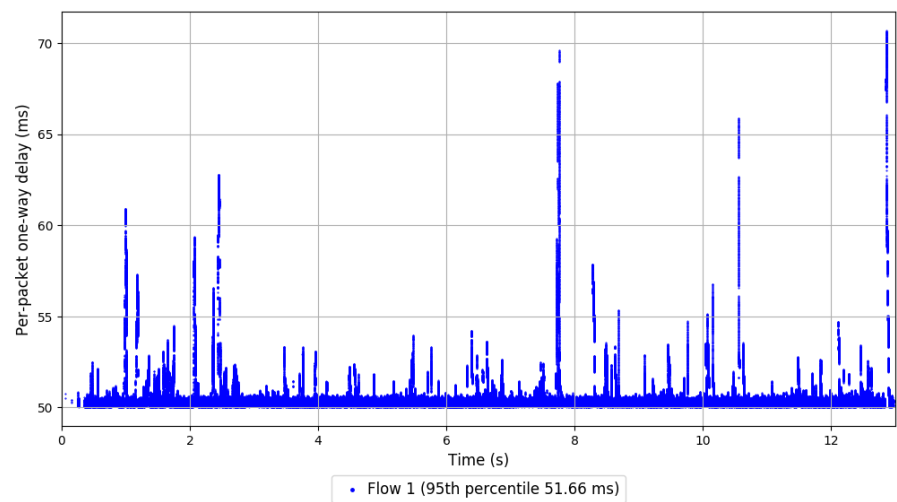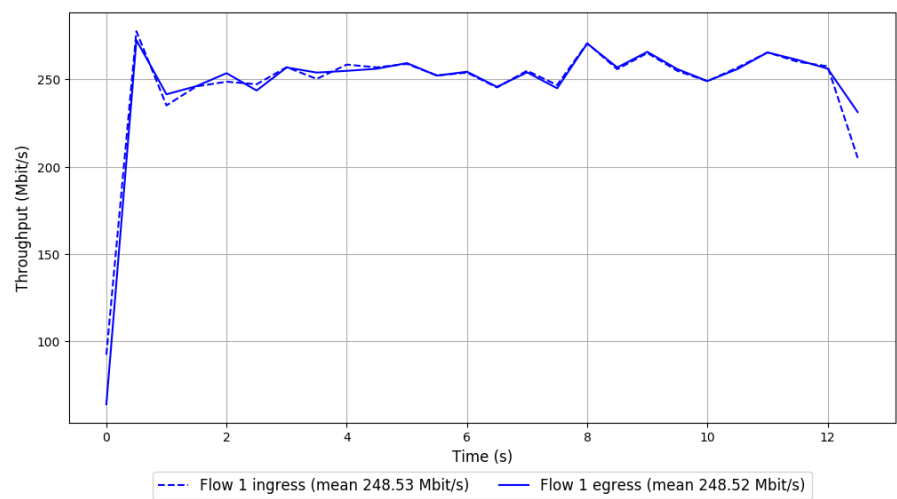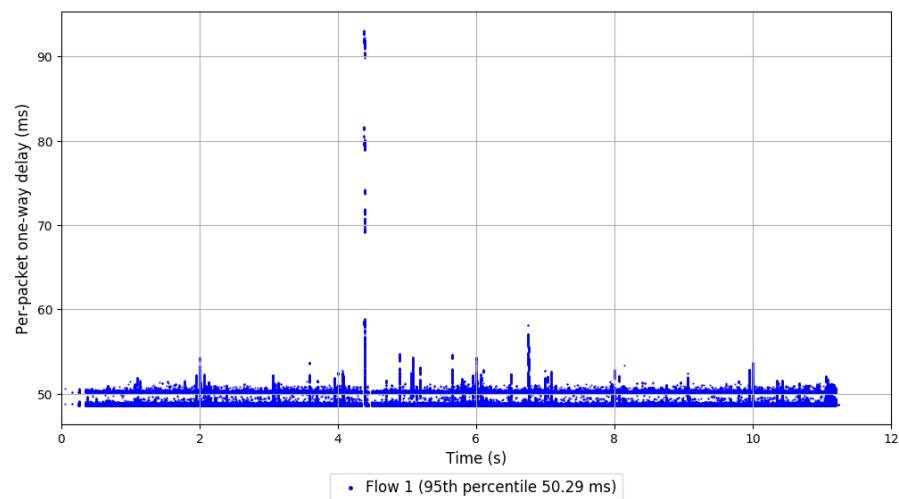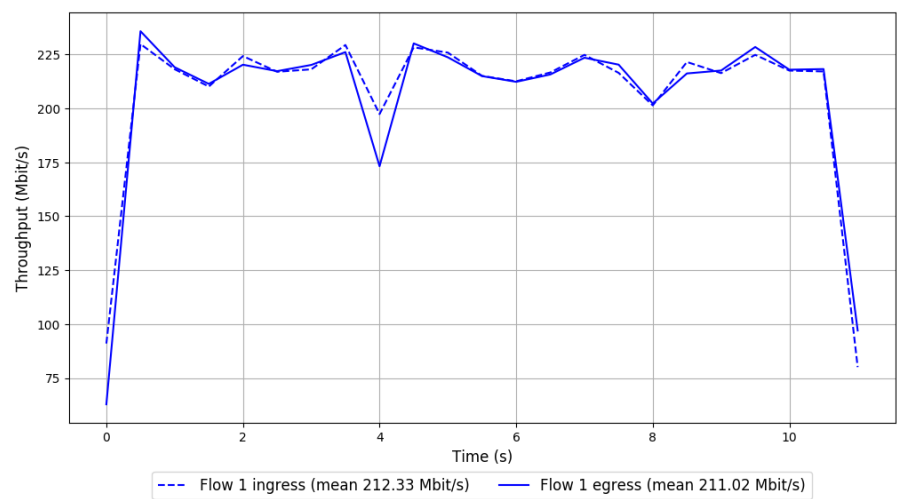# Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 247.56 Mbit/s) —— Flow 1 egress (mean 247.58 Mbit/s)

Flow 1 (95th percentile 50.48 ms)

229

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

Start at: Sun, 06 Aug 2017 12:34:17 +0000
End at: Sun, 06 Aug 2017 12:34:47 +0000
```
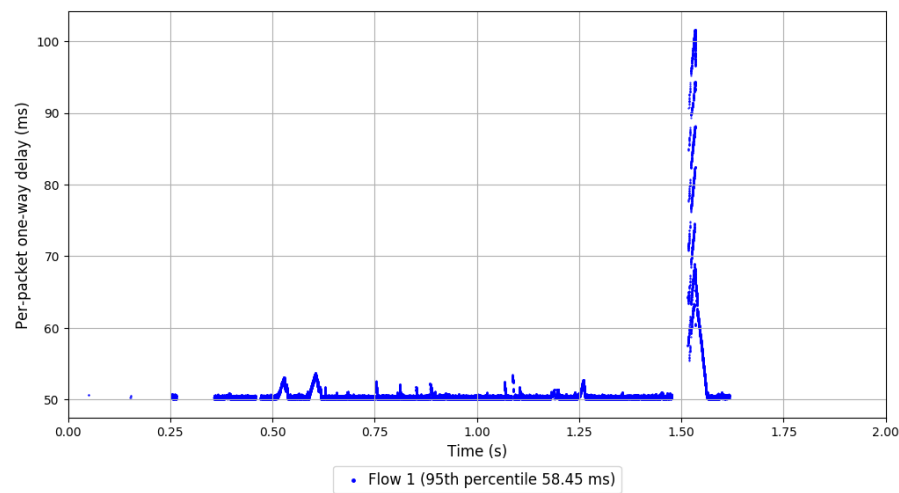
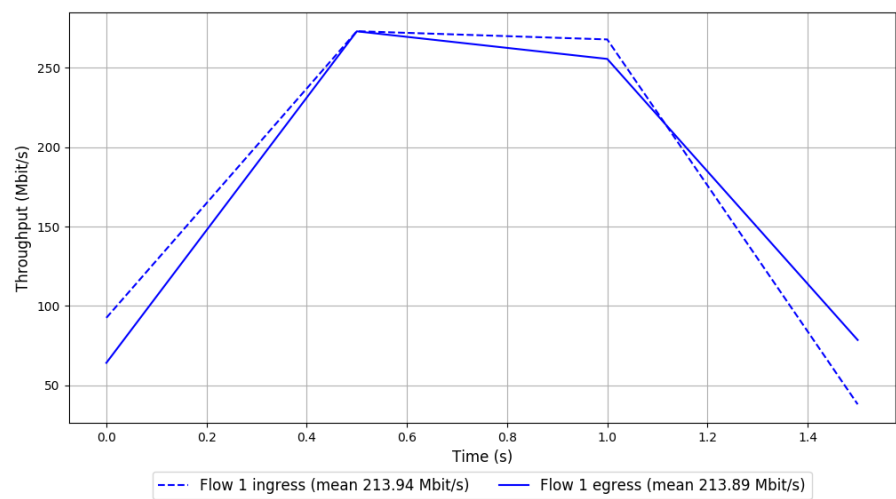# Run 4: Report of TaoVA-100x — Data Link

Run 5: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 12:44:48 +0000
End at: Sun, 06 Aug 2017 12:45:18 +0000

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

Flow 1 ingress (mean 247.39 Mbit/s)   Flow 1 egress (mean 247.41 Mbit/s)
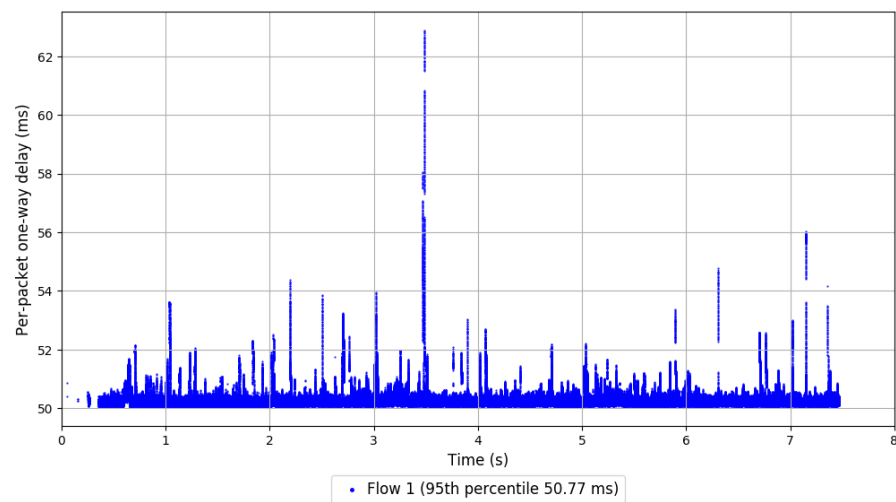

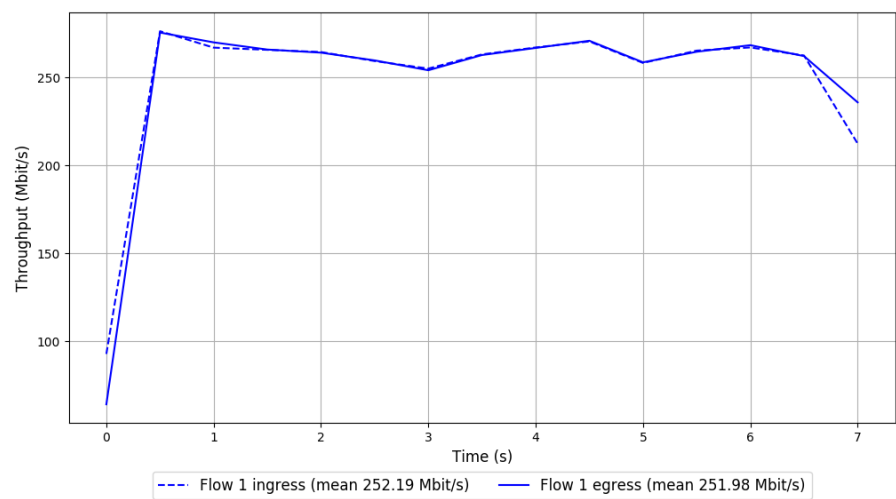Flow 1 (95th percentile 50.35 ms)

233

Run 6: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 12:55:24 +0000
End at: Sun, 06 Aug 2017 12:55:54 +0000

Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 248.53 Mbit/s)   Flow 1 egress (mean 248.52 Mbit/s)

Flow 1 (95th percentile 51.66 ms)

Run 7: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 13:06:06 +0000
End at: Sun, 06 Aug 2017 13:06:37 +0000
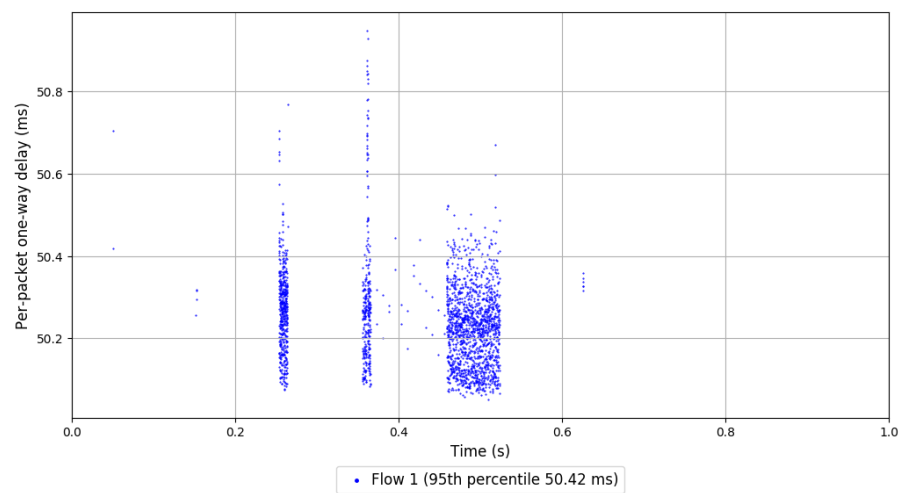
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 212.33 Mbit/s) ——— Flow 1 egress (mean 211.02 Mbit/s)

Flow 1 (95th percentile 50.29 ms)

237

Run 8: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 13:16:40 +0000
End at: Sun, 06 Aug 2017 13:17:10 +0000

Run 8: Report of TaoVA-100x — Data Link

239

Run 9: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 13:27:12 +0000
End at: Sun, 06 Aug 2017 13:27:42 +0000
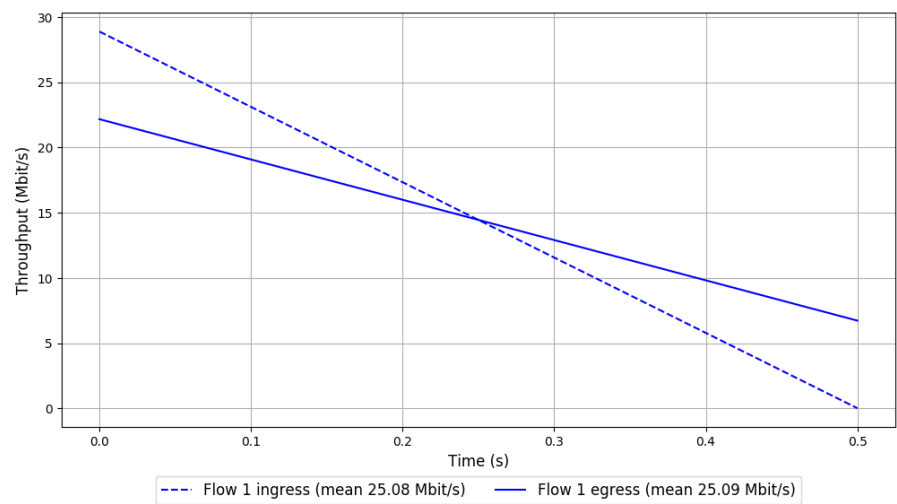
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 252.19 Mbit/s)   Flow 1 egress (mean 251.98 Mbit/s)

Flow 1 (95th percentile 50.77 ms)

Run 10: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 13:37:44 +0000
End at: Sun, 06 Aug 2017 13:38:14 +0000

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

Flow 1 ingress (mean 25.08 Mbit/s) --- Flow 1 egress (mean 25.09 Mbit/s)

• Flow 1 (95th percentile 50.42 ms)

```
Run 1: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 12:07:25 +0000
End at: Sun, 06 Aug 2017 12:07:55 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:33:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: 52.135 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 29.44 Mbit/s
95th percentile per-packet one-way delay: 52.135 ms
Loss rate: 0.66%
```

Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 12:18:04 +0000
End at: Sun, 06 Aug 2017 12:18:34 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:33:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 50.712 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 50.712 ms
Loss rate: 0.85%
```
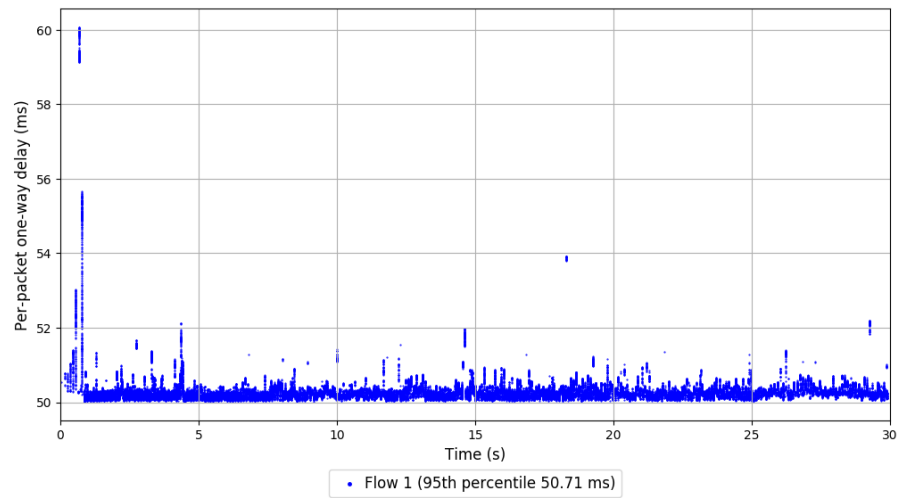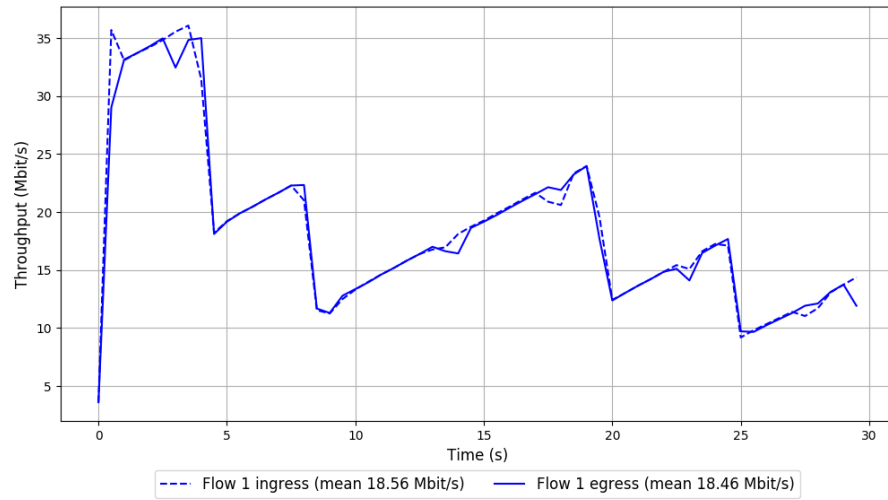
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 12:28:42 +0000
End at: Sun, 06 Aug 2017 12:29:12 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:33:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: 51.183 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 13.78 Mbit/s
95th percentile per-packet one-way delay: 51.183 ms
Loss rate: 1.75%
```
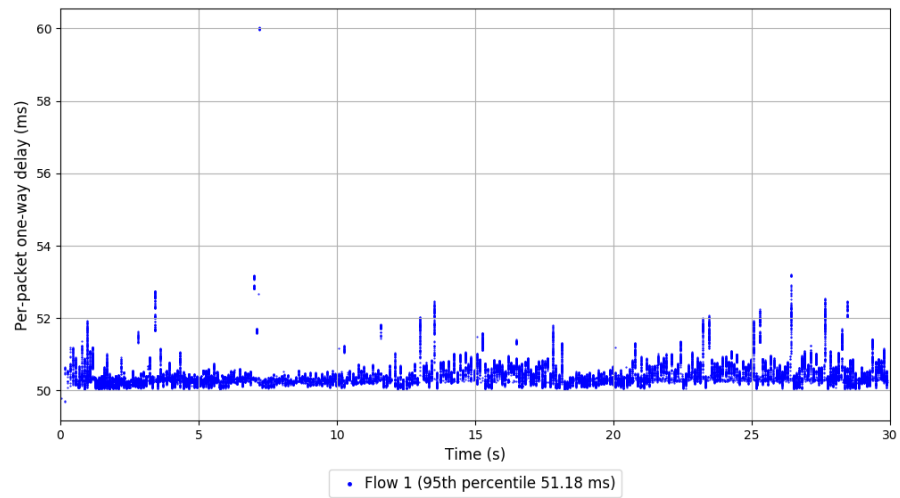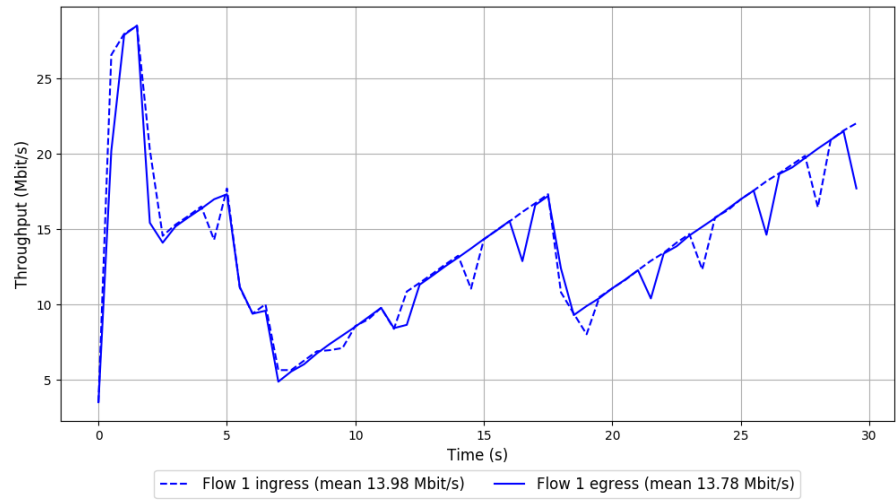
Run 3: Report of TCP Vegas — Data Link

```
Run 4: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 12:39:14 +0000
End at: Sun, 06 Aug 2017 12:39:44 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:33:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.20 Mbit/s
95th percentile per-packet one-way delay: 51.200 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 26.20 Mbit/s
95th percentile per-packet one-way delay: 51.200 ms
Loss rate: 0.40%
```
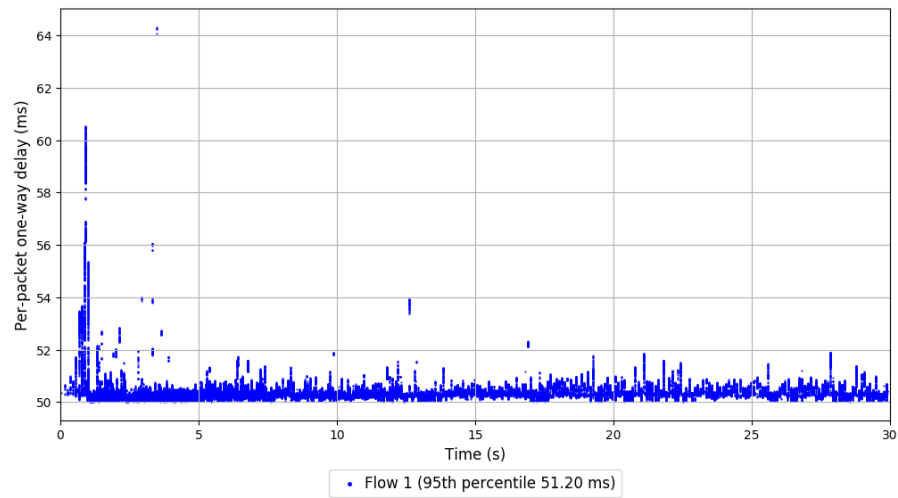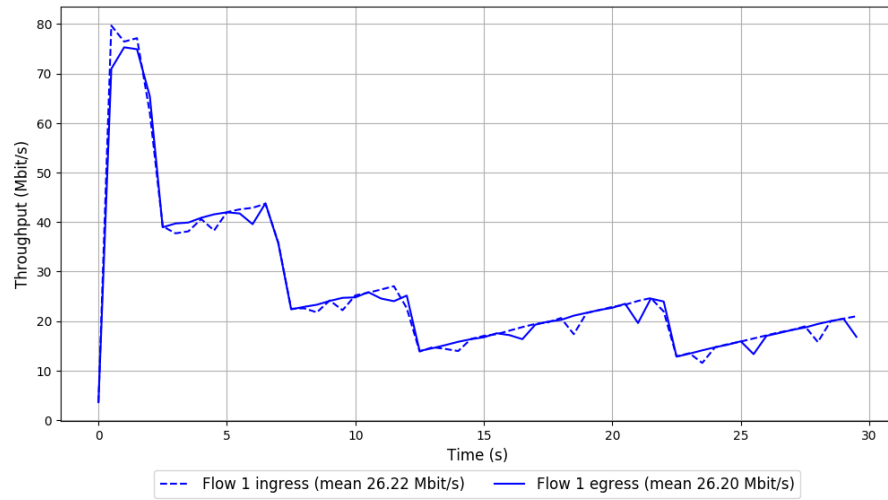
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 12:49:44 +0000
End at: Sun, 06 Aug 2017 12:50:14 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:33:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 51.756 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 28.56 Mbit/s
95th percentile per-packet one-way delay: 51.756 ms
Loss rate: 0.29%
```
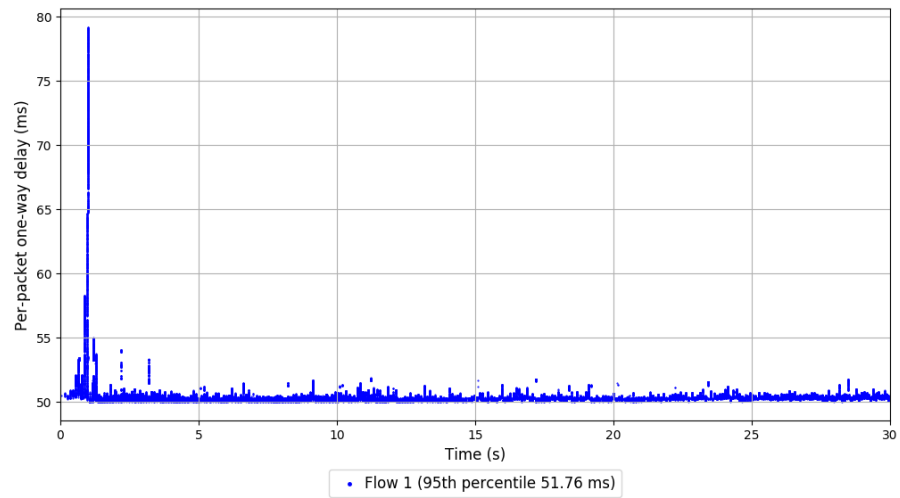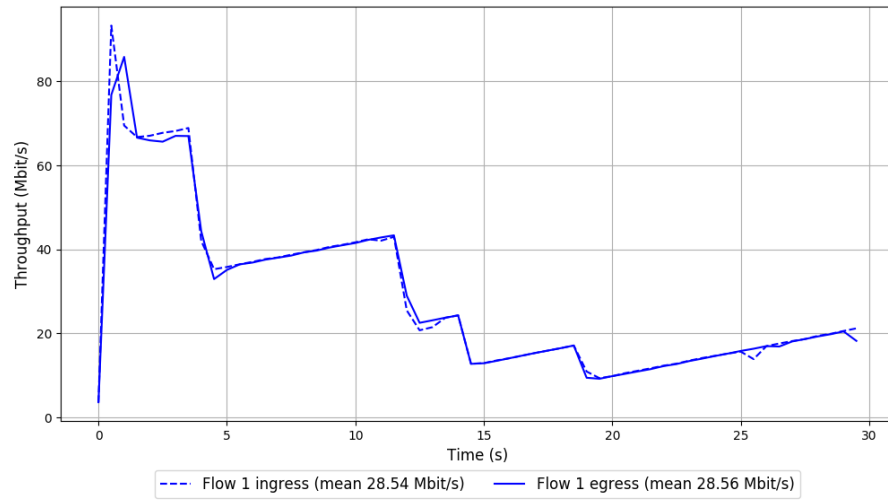
Run 5: Report of TCP Vegas — Data Link

```
Run 6: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 13:00:29 +0000
End at: Sun, 06 Aug 2017 13:00:59 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:33:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.43 Mbit/s
95th percentile per-packet one-way delay: 50.803 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 53.43 Mbit/s
95th percentile per-packet one-way delay: 50.803 ms
Loss rate: 0.45%
```
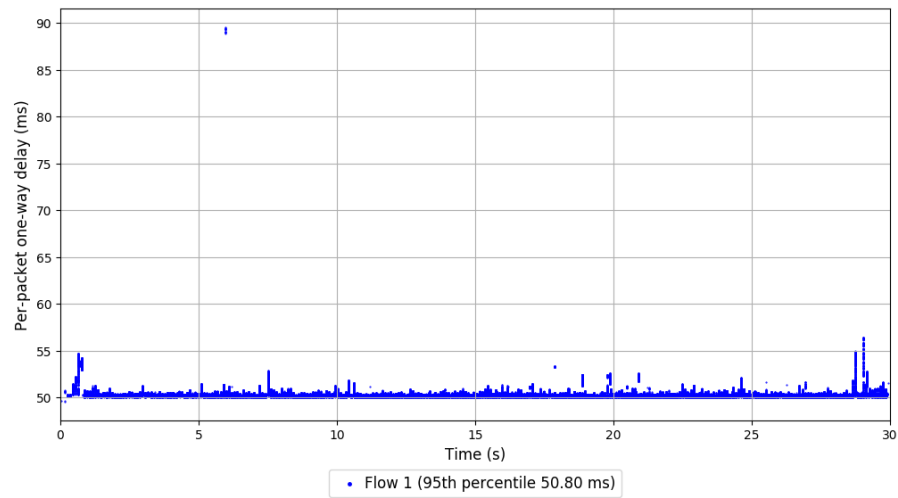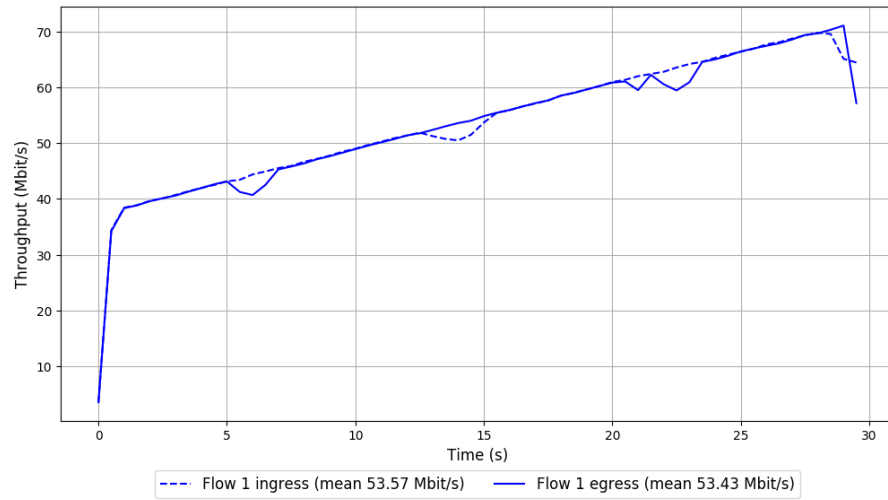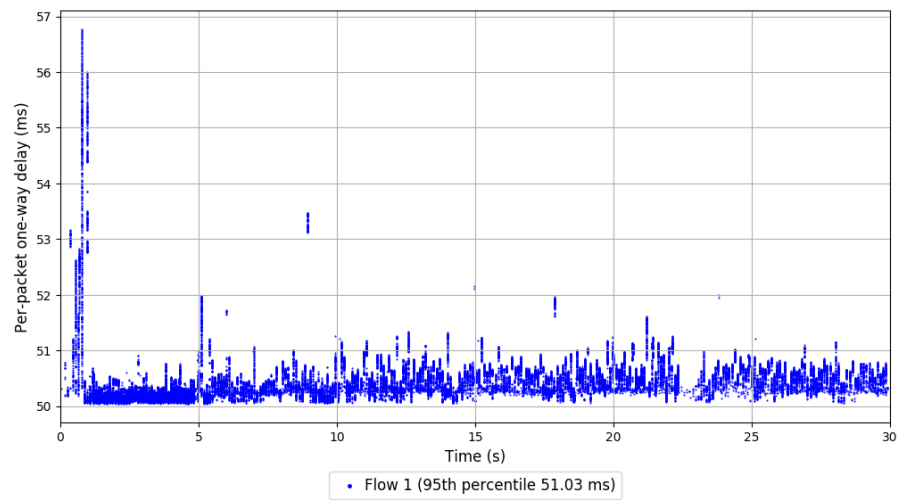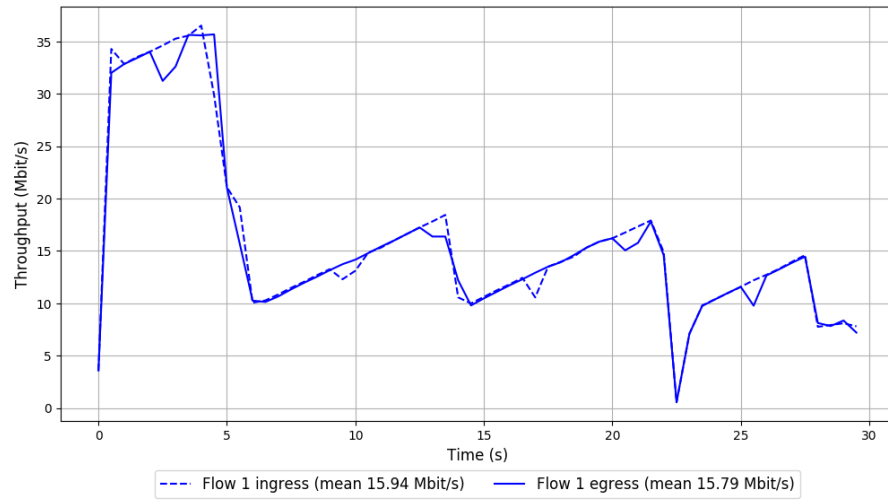
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 53.57 Mbit/s) ----- Flow 1 egress (mean 53.43 Mbit/s)

Flow 1 (95th percentile 50.80 ms)

```
Run 7: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 13:11:07 +0000
End at: Sun, 06 Aug 2017 13:11:37 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:33:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.79 Mbit/s
95th percentile per-packet one-way delay: 51.029 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 15.79 Mbit/s
95th percentile per-packet one-way delay: 51.029 ms
Loss rate: 1.24%
```

Run 7: Report of TCP Vegas — Data Link

```
Run 8: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 13:21:35 +0000
End at: Sun, 06 Aug 2017 13:22:05 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:33:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 51.647 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 51.647 ms
Loss rate: 0.55%
```
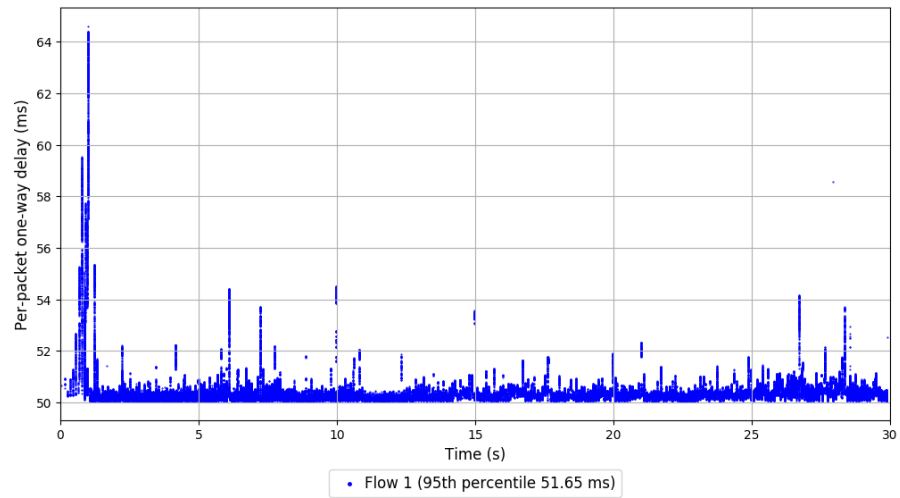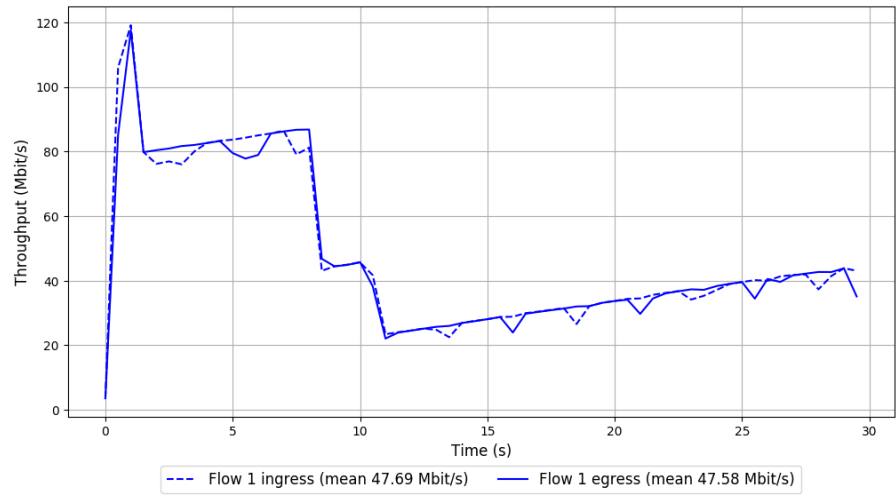
Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 13:32:12 +0000
End at: Sun, 06 Aug 2017 13:32:42 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:33:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 50.756 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 50.756 ms
Loss rate: 1.62%
```
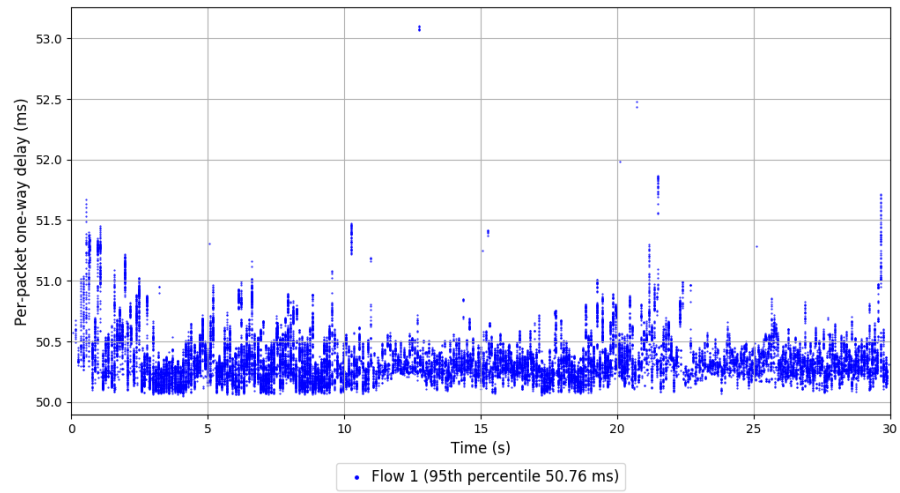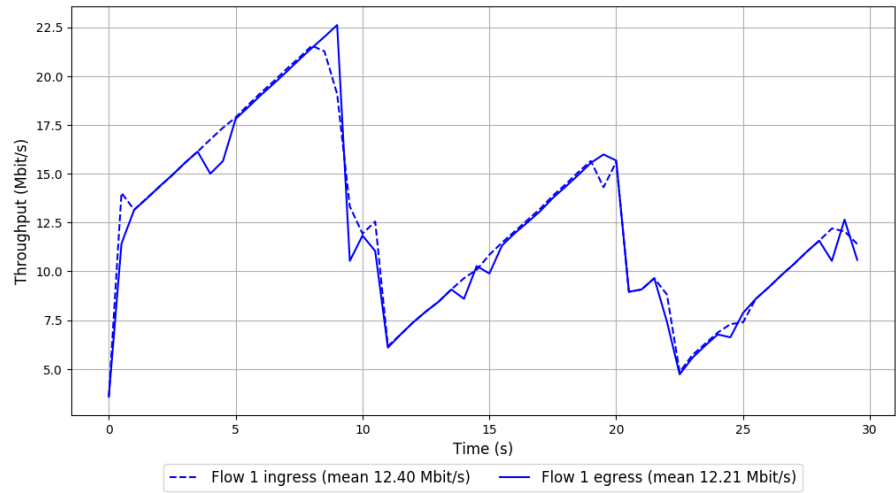
Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 13:42:39 +0000
End at: Sun, 06 Aug 2017 13:43:09 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:33:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 51.103 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 13.68 Mbit/s
95th percentile per-packet one-way delay: 51.103 ms
Loss rate: 1.32%
```
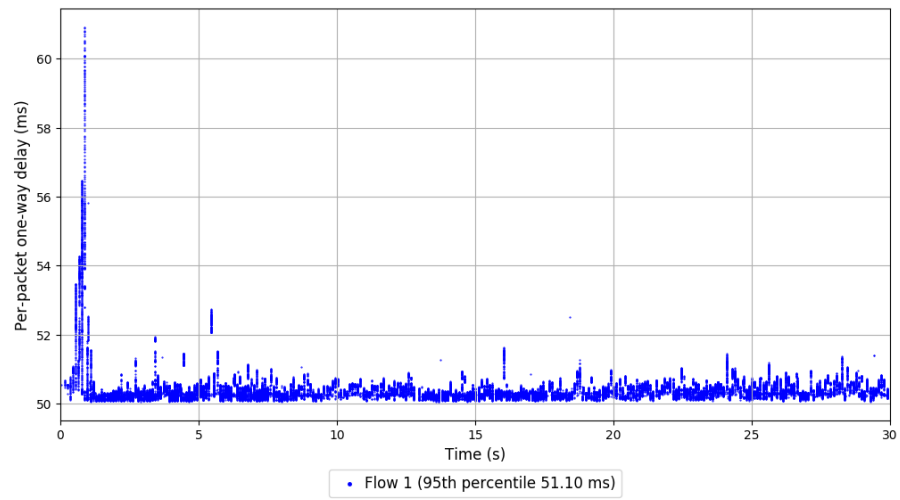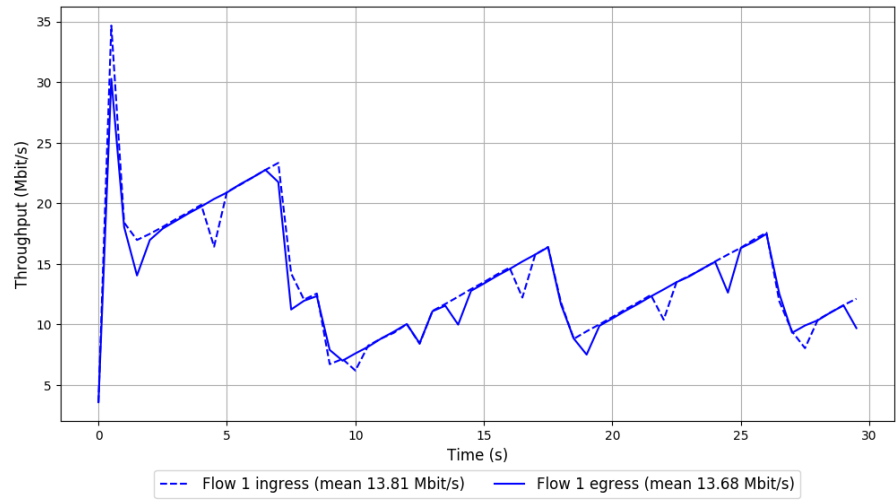
Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: Sun, 06 Aug 2017 12:10:44 +0000
End at: Sun, 06 Aug 2017 12:11:14 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:34:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 70.603 ms
Loss rate: 22.23%
-- Flow 1:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 70.603 ms
Loss rate: 22.23%
```
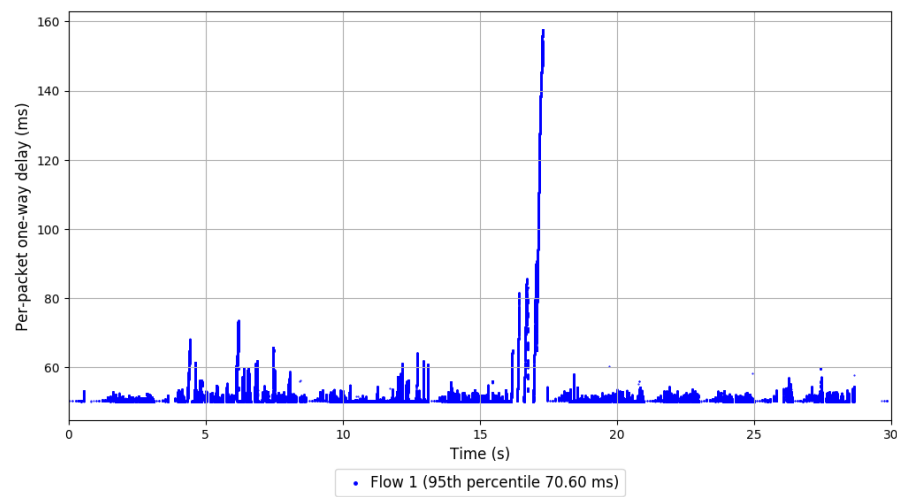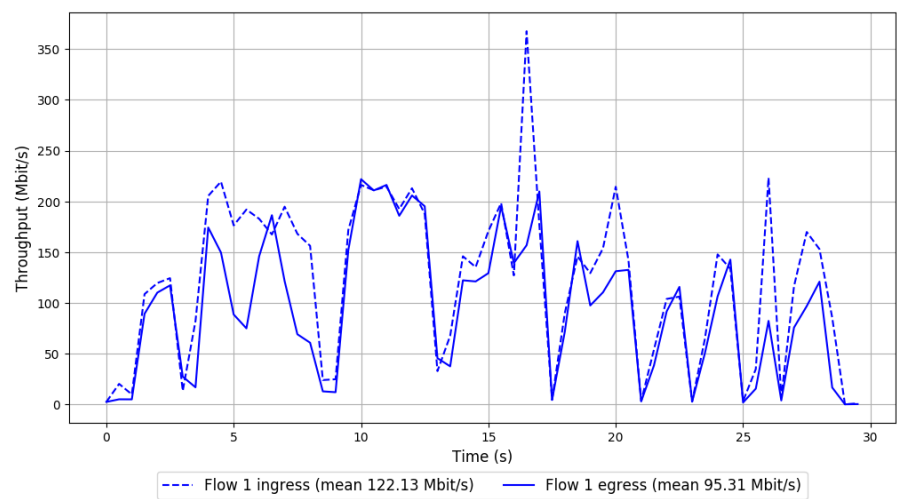
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: Sun, 06 Aug 2017 12:21:23 +0000
End at: Sun, 06 Aug 2017 12:21:53 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:34:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 170.33 Mbit/s
95th percentile per-packet one-way delay: 78.852 ms
Loss rate: 2.98%
-- Flow 1:
Average throughput: 170.33 Mbit/s
95th percentile per-packet one-way delay: 78.852 ms
Loss rate: 2.98%
```
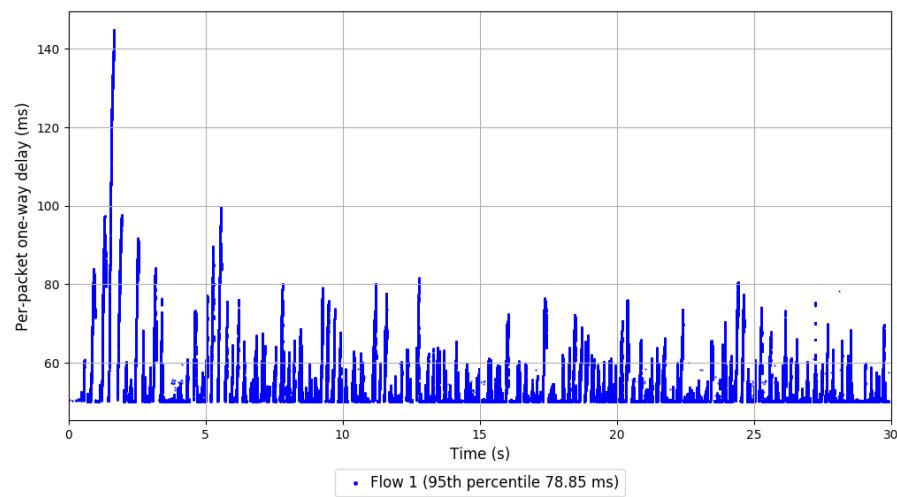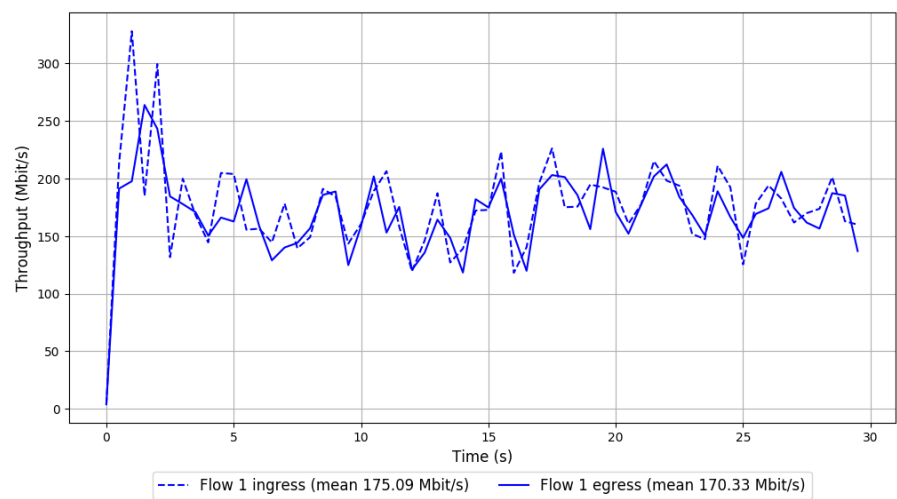
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: Sun, 06 Aug 2017 12:32:01 +0000
End at: Sun, 06 Aug 2017 12:32:31 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:34:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 55.105 ms
Loss rate: 22.93%
-- Flow 1:
Average throughput: 86.79 Mbit/s
95th percentile per-packet one-way delay: 55.105 ms
Loss rate: 22.93%
```
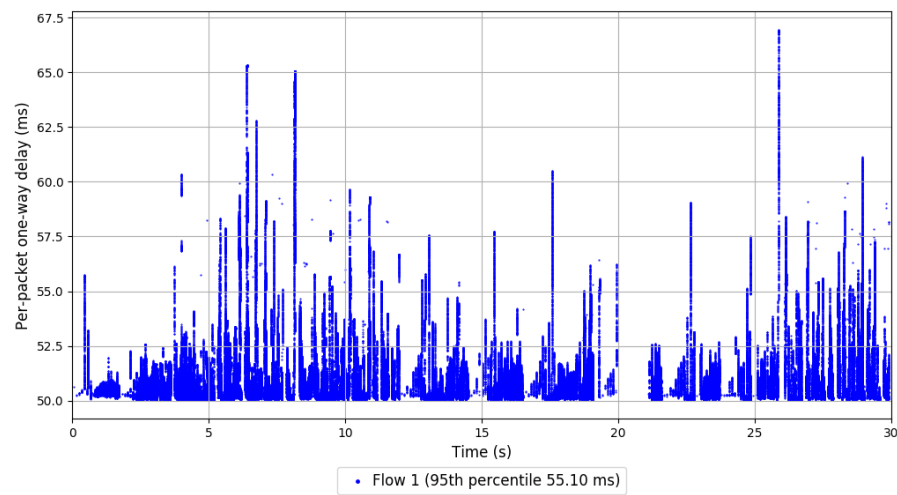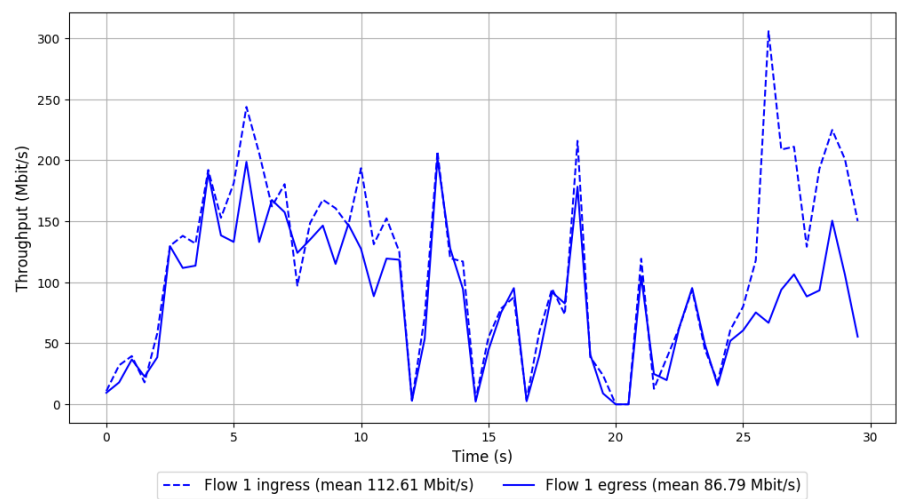
Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: Sun, 06 Aug 2017 12:42:32 +0000
End at: Sun, 06 Aug 2017 12:43:02 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:34:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.67 Mbit/s
95th percentile per-packet one-way delay: 71.496 ms
Loss rate: 47.51%
-- Flow 1:
Average throughput: 78.67 Mbit/s
95th percentile per-packet one-way delay: 71.496 ms
Loss rate: 47.51%
```
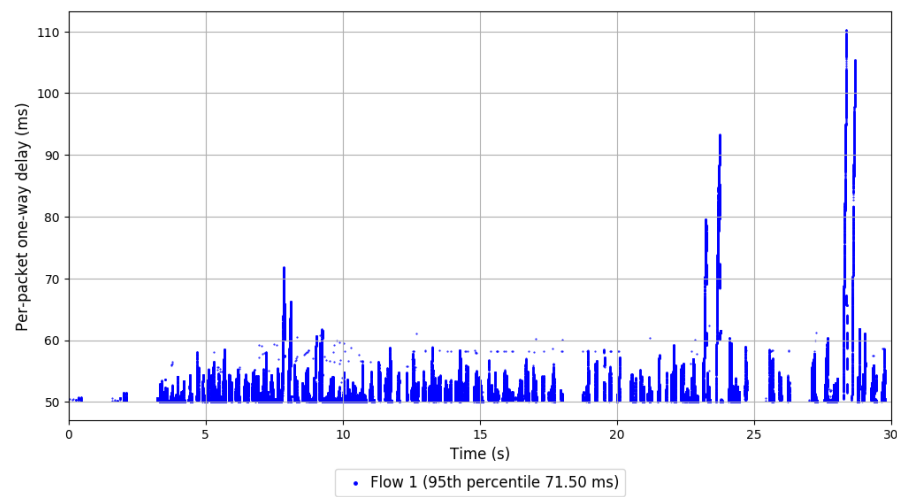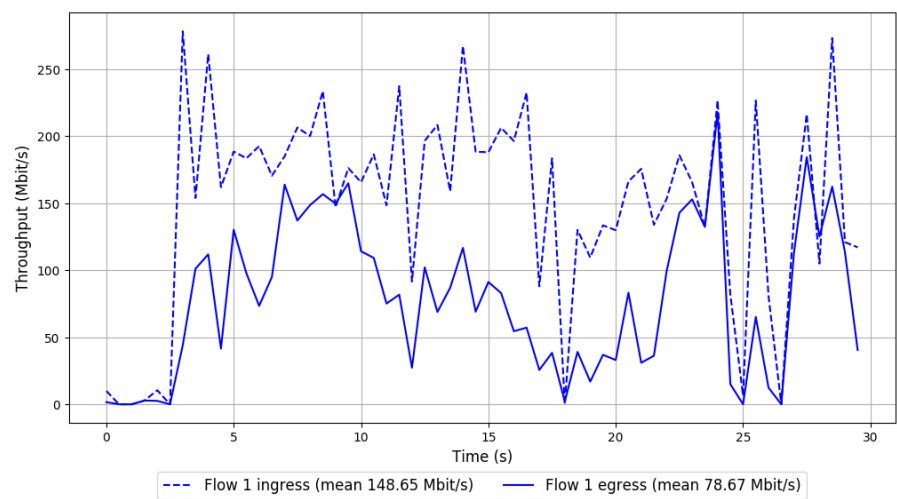
Run 4: Report of Verus — Data Link

Flow 1 ingress (mean 148.65 Mbit/s) --- Flow 1 egress (mean 78.67 Mbit/s)

Flow 1 (95th percentile 71.50 ms)

```
Run 5: Statistics of Verus

Start at: Sun, 06 Aug 2017 12:53:06 +0000
End at: Sun, 06 Aug 2017 12:53:36 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:34:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 110.96 Mbit/s
95th percentile per-packet one-way delay: 64.525 ms
Loss rate: 2.33%
-- Flow 1:
Average throughput: 110.96 Mbit/s
95th percentile per-packet one-way delay: 64.525 ms
Loss rate: 2.33%
```
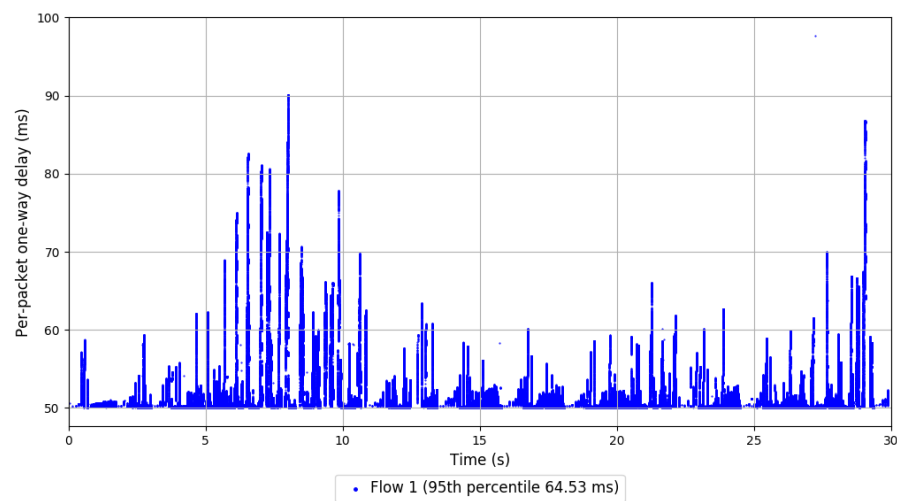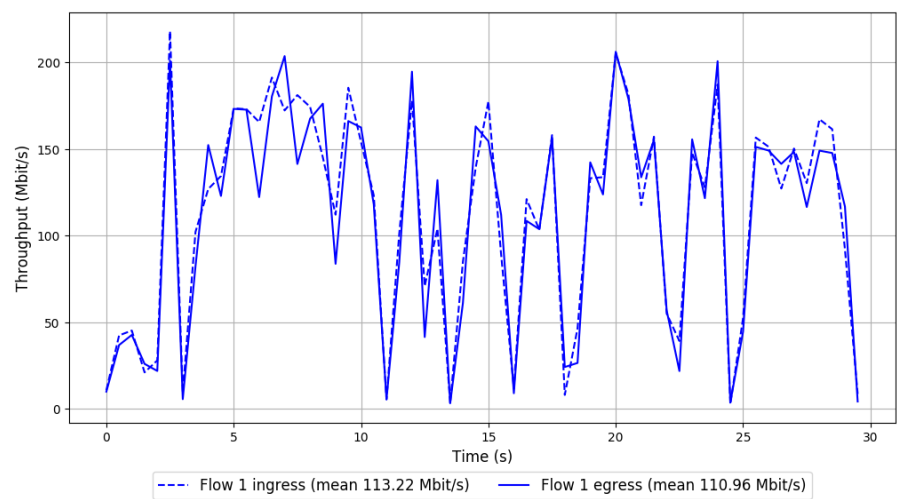
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: Sun, 06 Aug 2017 13:03:48 +0000
End at: Sun, 06 Aug 2017 13:04:18 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.22 Mbit/s
95th percentile per-packet one-way delay: 81.071 ms
Loss rate: 20.56%
-- Flow 1:
Average throughput: 123.22 Mbit/s
95th percentile per-packet one-way delay: 81.071 ms
Loss rate: 20.56%
```
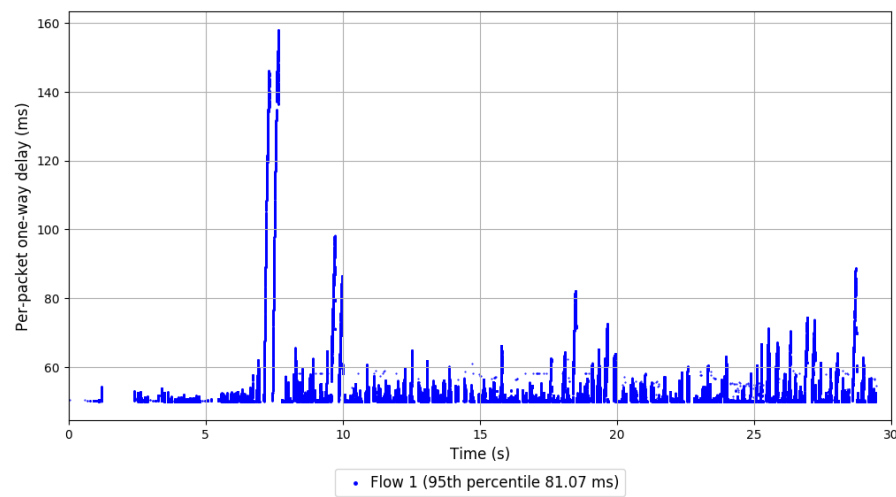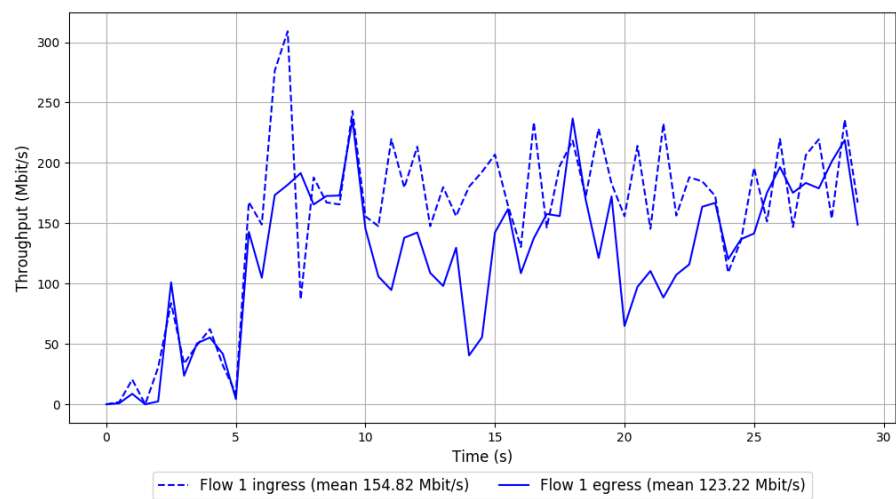
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: Sun, 06 Aug 2017 13:14:24 +0000
End at: Sun, 06 Aug 2017 13:14:54 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.93 Mbit/s
95th percentile per-packet one-way delay: 65.650 ms
Loss rate: 35.54%
-- Flow 1:
Average throughput: 70.93 Mbit/s
95th percentile per-packet one-way delay: 65.650 ms
Loss rate: 35.54%
```
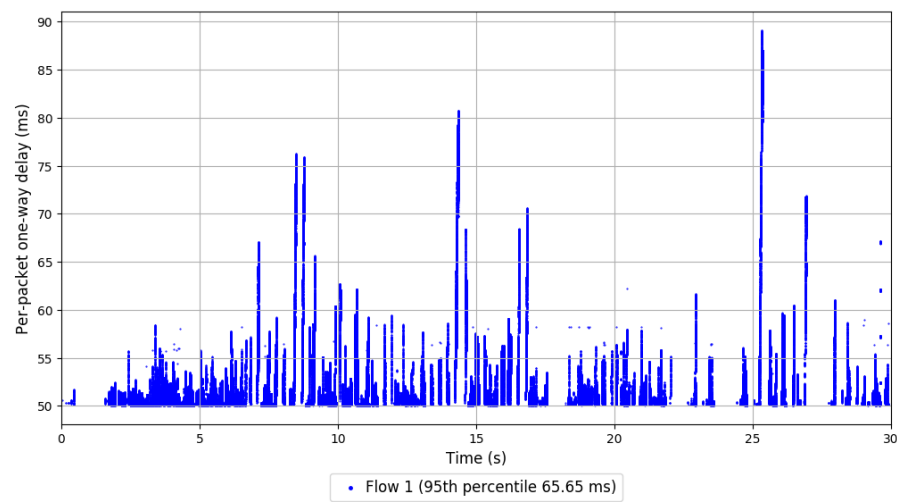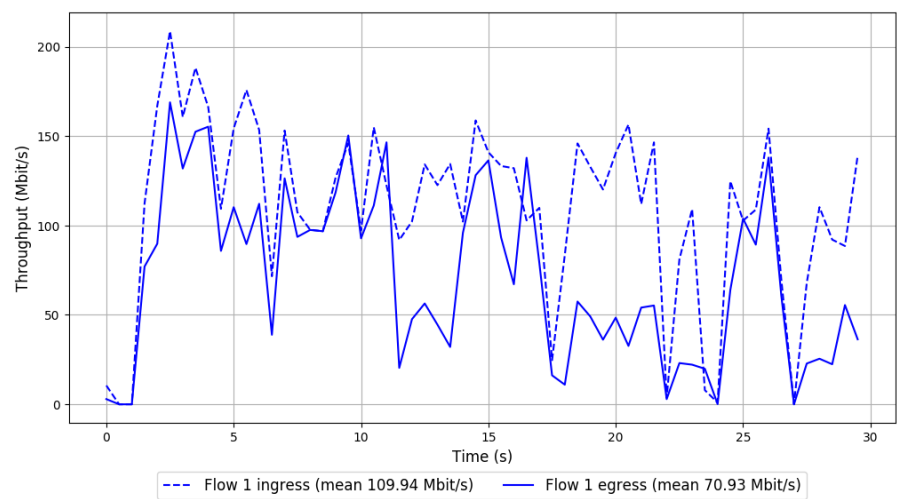
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: Sun, 06 Aug 2017 13:24:52 +0000
End at: Sun, 06 Aug 2017 13:25:22 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.20 Mbit/s
95th percentile per-packet one-way delay: 62.034 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 144.20 Mbit/s
95th percentile per-packet one-way delay: 62.034 ms
Loss rate: 1.65%
```
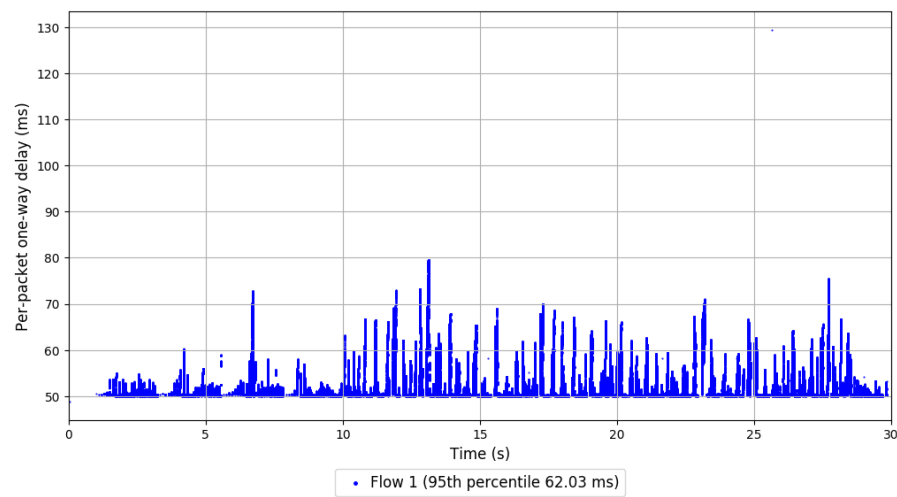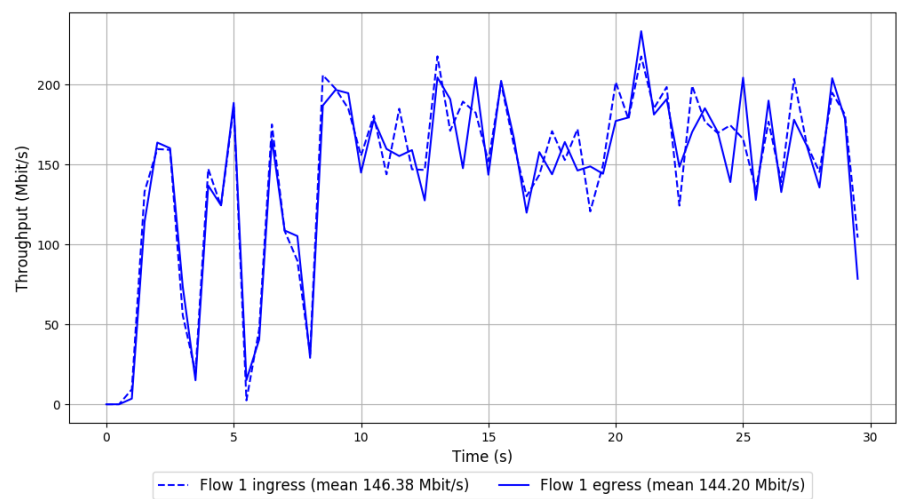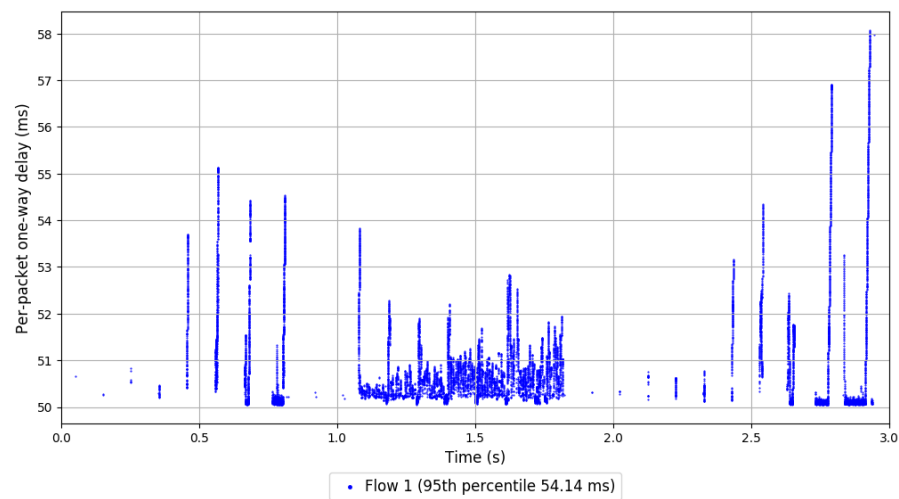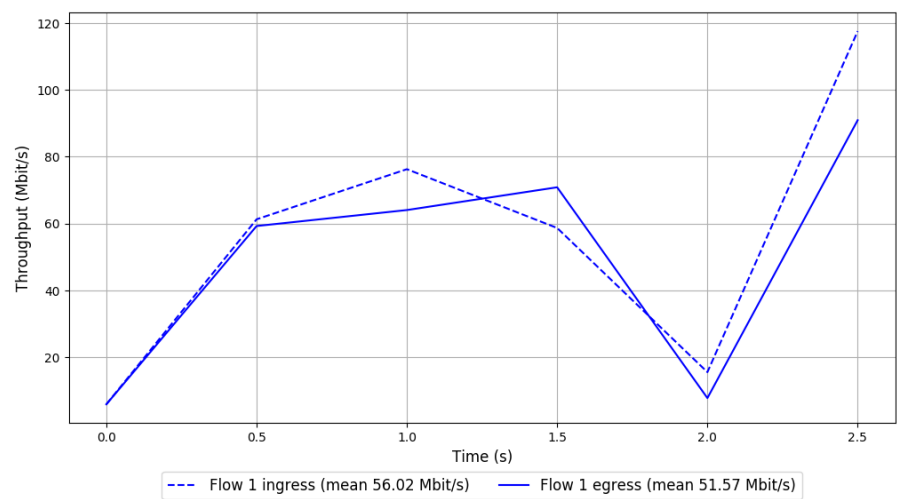
Run 8: Report of Verus — Data Link

Run 9: Statistics of Verus

Start at: Sun, 06 Aug 2017 13:35:34 +0000
End at: Sun, 06 Aug 2017 13:36:04 +0000

Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 56.02 Mbit/s)   Flow 1 egress (mean 51.57 Mbit/s)

Flow 1 (95th percentile 54.14 ms)

```
Run 10: Statistics of Verus

Start at: Sun, 06 Aug 2017 13:45:58 +0000
End at: Sun, 06 Aug 2017 13:46:28 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.55 Mbit/s
95th percentile per-packet one-way delay: 96.021 ms
Loss rate: 20.34%
-- Flow 1:
Average throughput: 101.55 Mbit/s
95th percentile per-packet one-way delay: 96.021 ms
Loss rate: 20.34%
```
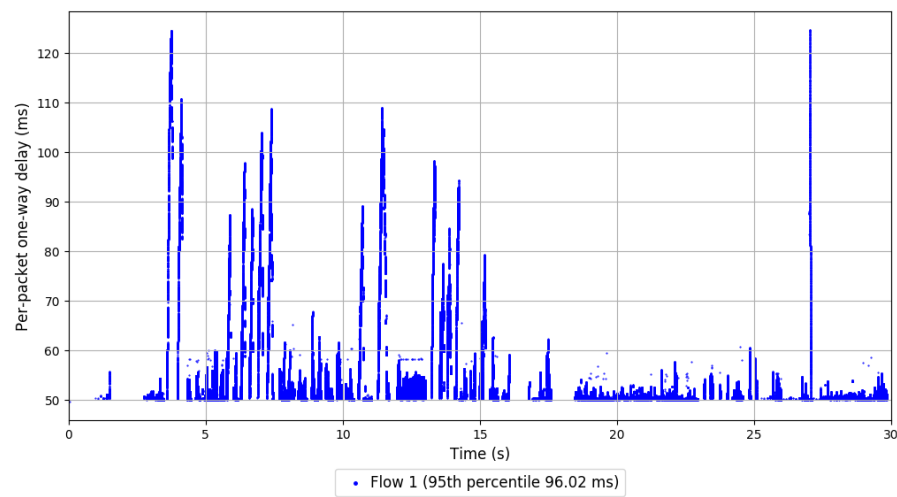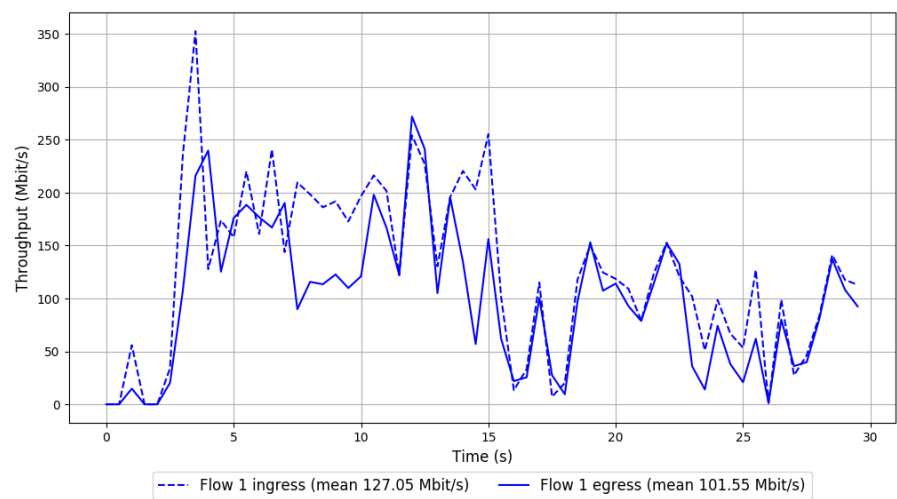
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 12:06:12 +0000
End at: Sun, 06 Aug 2017 12:06:42 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 49.813 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 49.813 ms
Loss rate: 0.45%
```
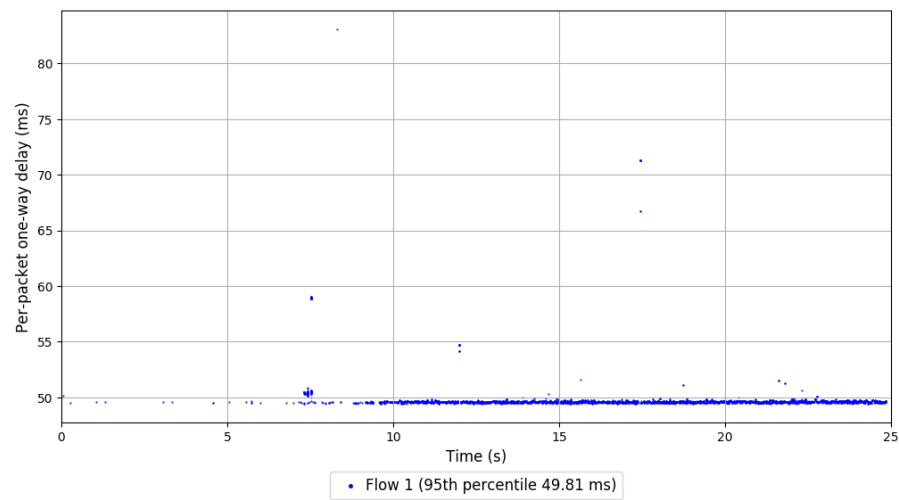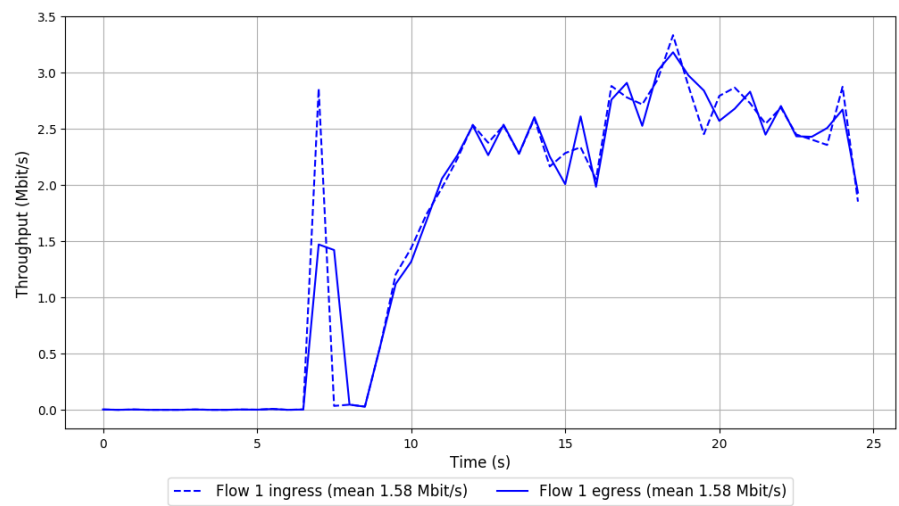
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 12:16:47 +0000
End at: Sun, 06 Aug 2017 12:17:17 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 49.991 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 49.991 ms
Loss rate: 0.50%
```
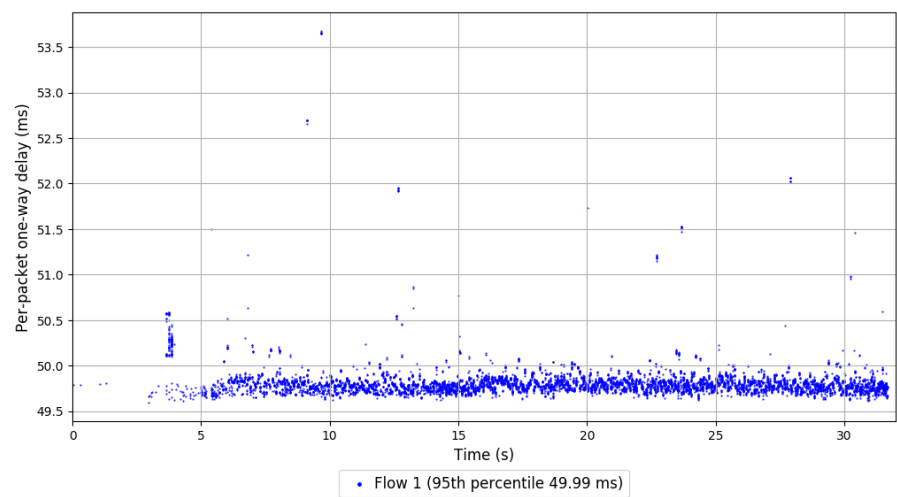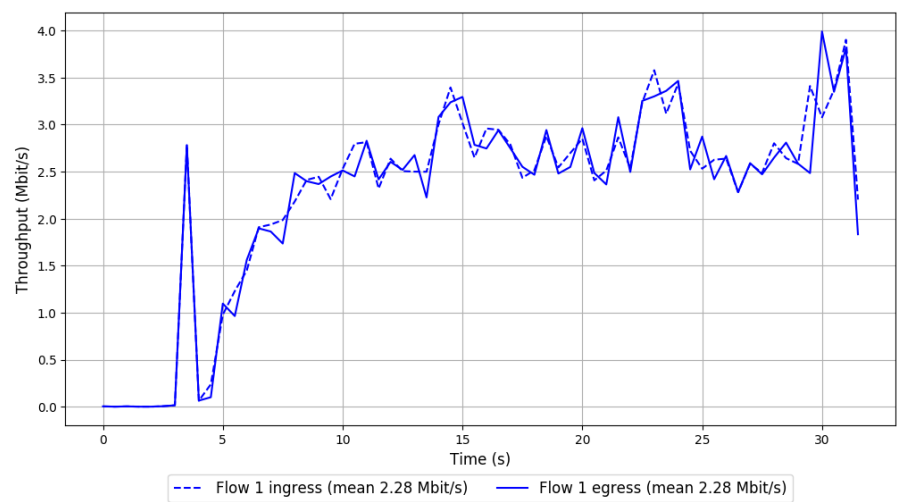
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 12:27:25 +0000
End at: Sun, 06 Aug 2017 12:27:55 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 50.686 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 50.686 ms
Loss rate: 0.43%
```
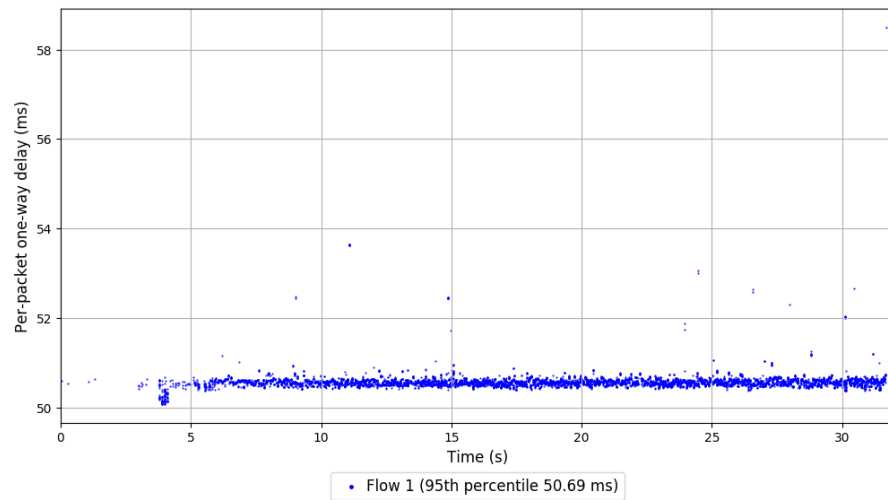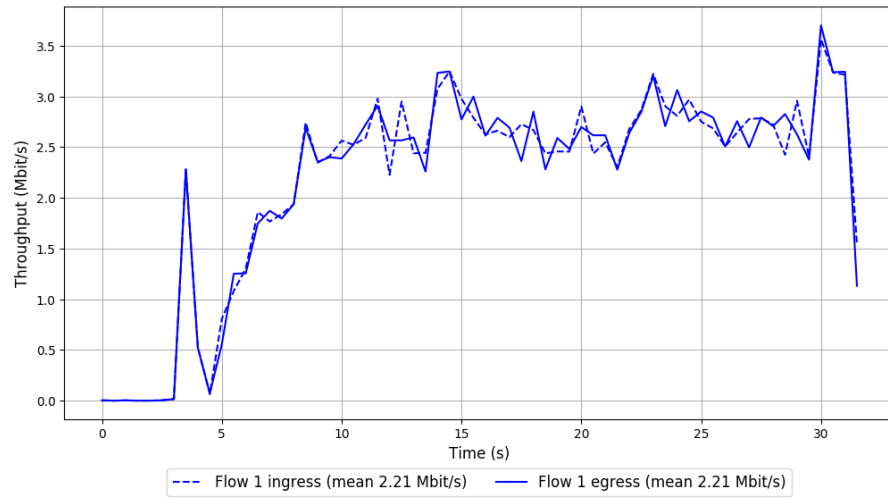
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 12:37:57 +0000
End at: Sun, 06 Aug 2017 12:38:27 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 49.817 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 49.817 ms
Loss rate: 0.60%
```
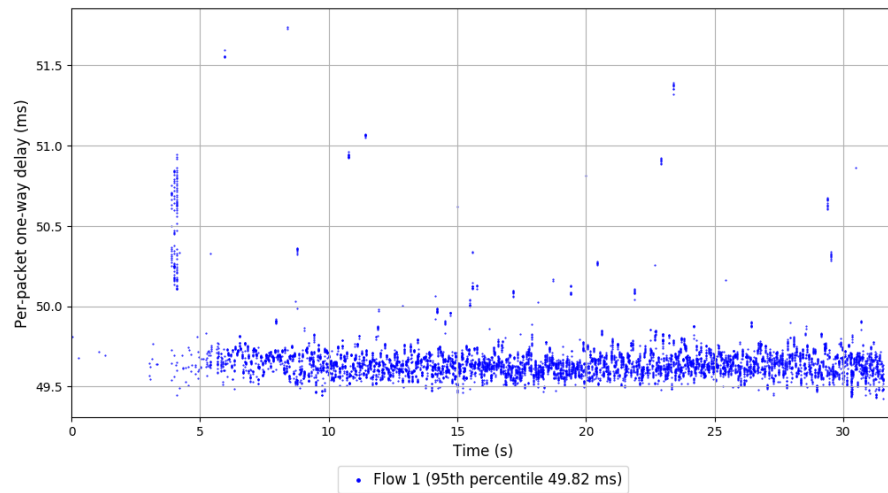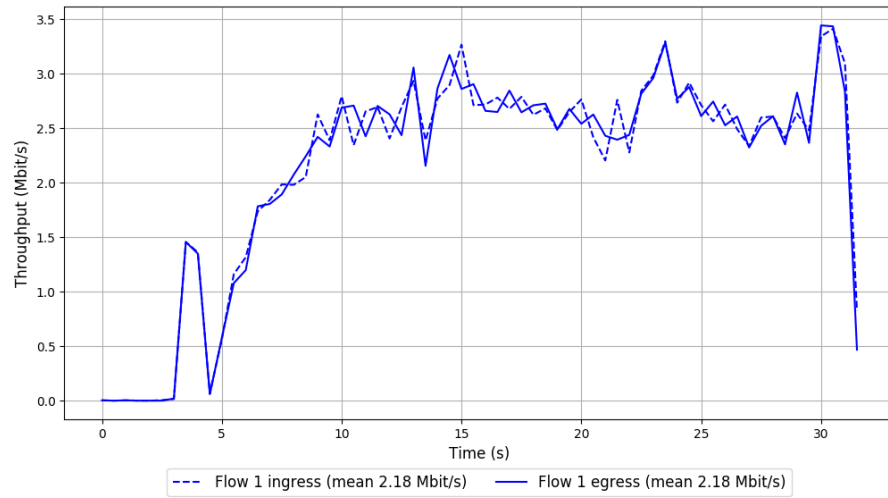
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 12:48:28 +0000
End at: Sun, 06 Aug 2017 12:48:58 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 50.696 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 50.696 ms
Loss rate: 0.53%
```

Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 12:59:12 +0000
End at: Sun, 06 Aug 2017 12:59:42 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 50.406 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 50.406 ms
Loss rate: 0.34%
```
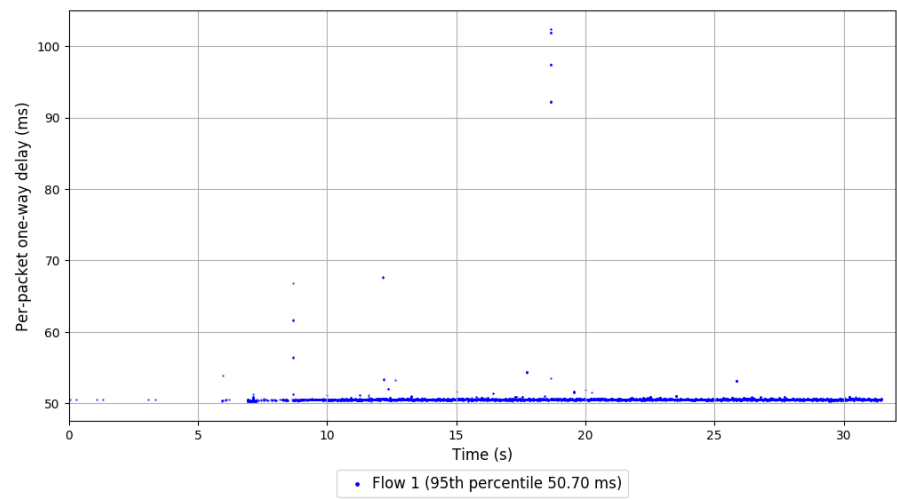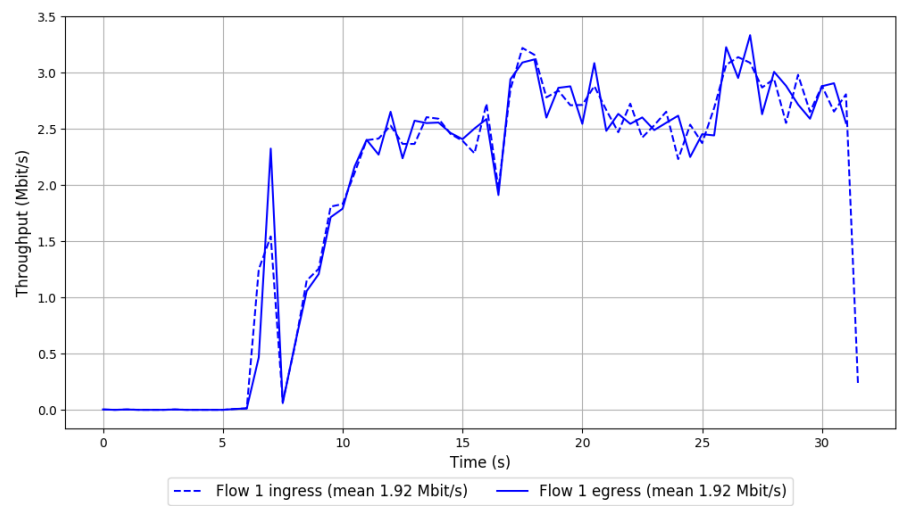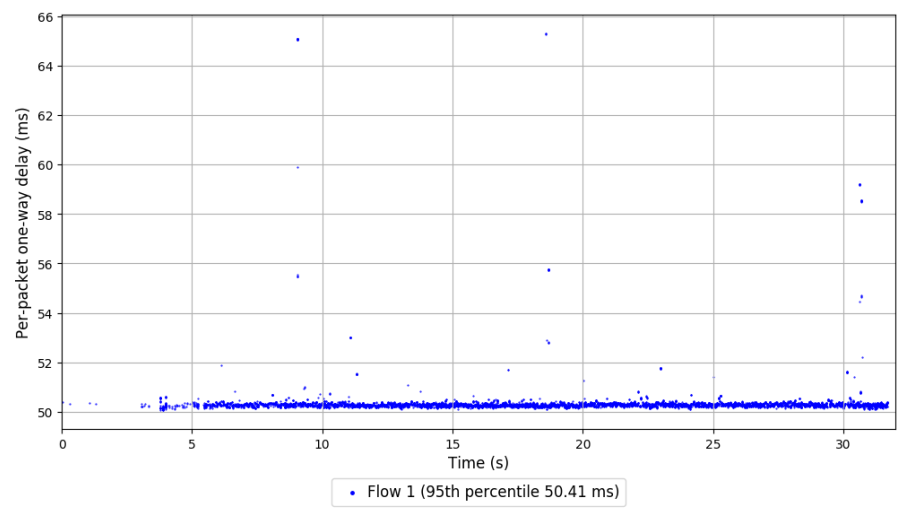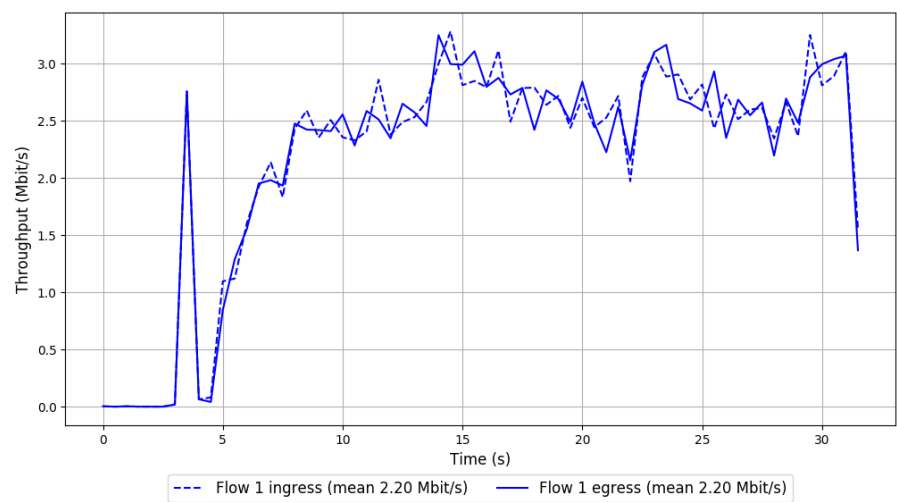
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 13:09:50 +0000
End at: Sun, 06 Aug 2017 13:10:20 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 49.702 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 49.702 ms
Loss rate: 0.55%
```
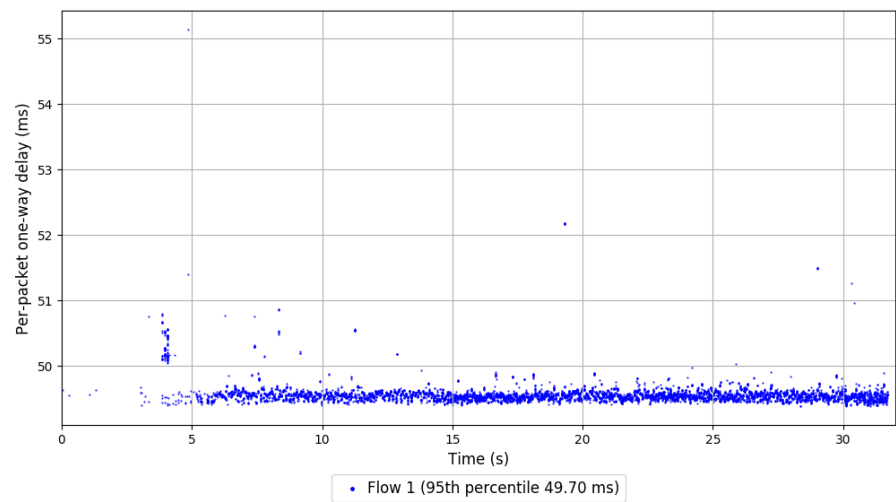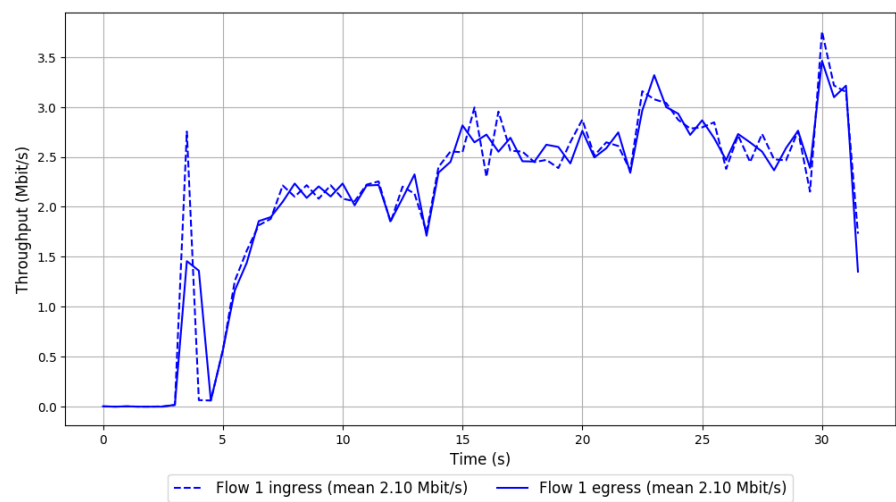
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 13:20:18 +0000
End at: Sun, 06 Aug 2017 13:20:48 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 49.891 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 49.891 ms
Loss rate: 0.45%
```
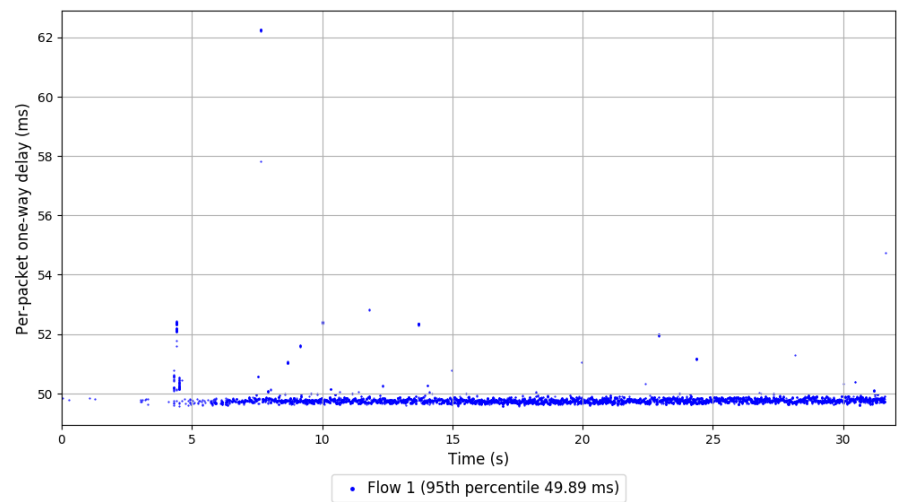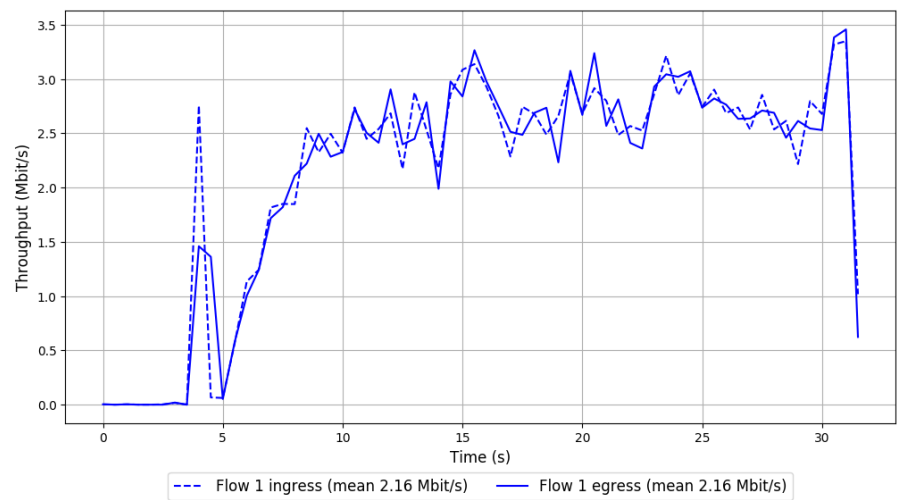
Run 8: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.16 Mbit/s)   Flow 1 egress (mean 2.16 Mbit/s)

Flow 1 (95th percentile 49.89 ms)

```
Run 9: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 13:30:56 +0000
End at: Sun, 06 Aug 2017 13:31:26 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 50.831 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 50.831 ms
Loss rate: 0.57%
```
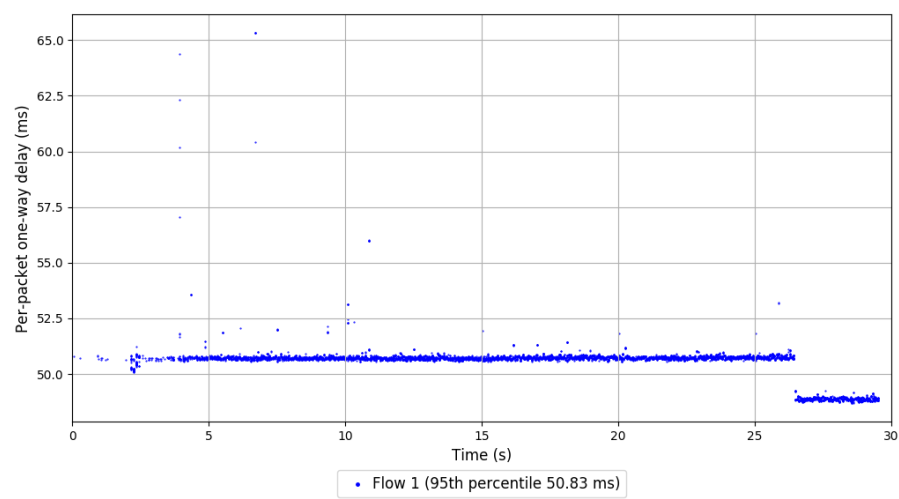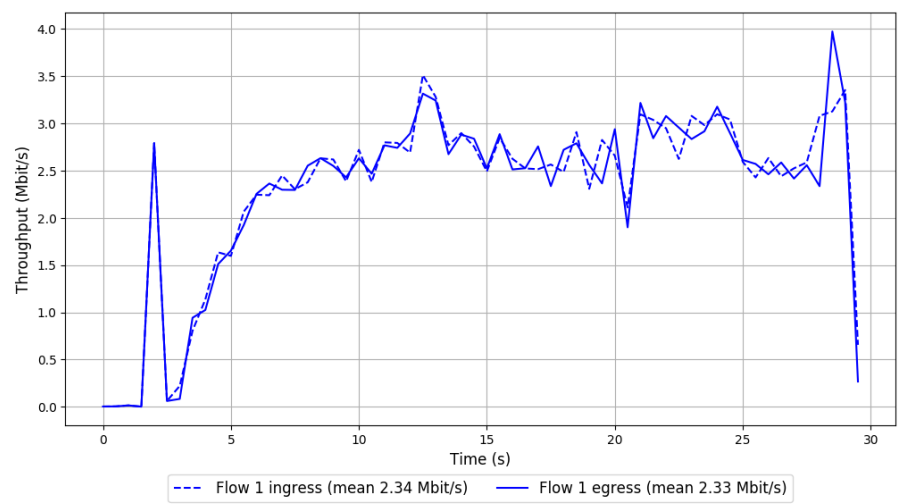
Run 9: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.34 Mbit/s)   Flow 1 egress (mean 2.33 Mbit/s)

Flow 1 (95th percentile 50.83 ms)

```
Run 10: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 13:41:22 +0000
End at: Sun, 06 Aug 2017 13:41:52 +0000

# Below is generated by plot.py at Sun, 06 Aug 2017 16:35:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 50.526 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 50.526 ms
Loss rate: 0.48%
```

Run 10: Report of WebRTC media — Data Link