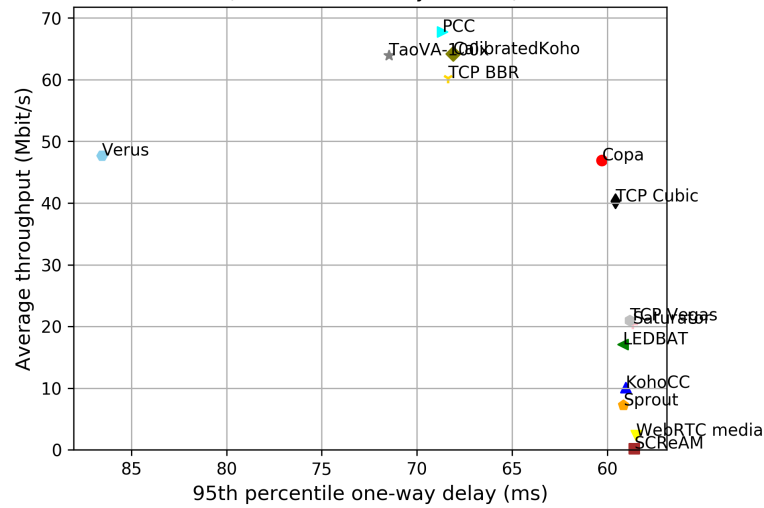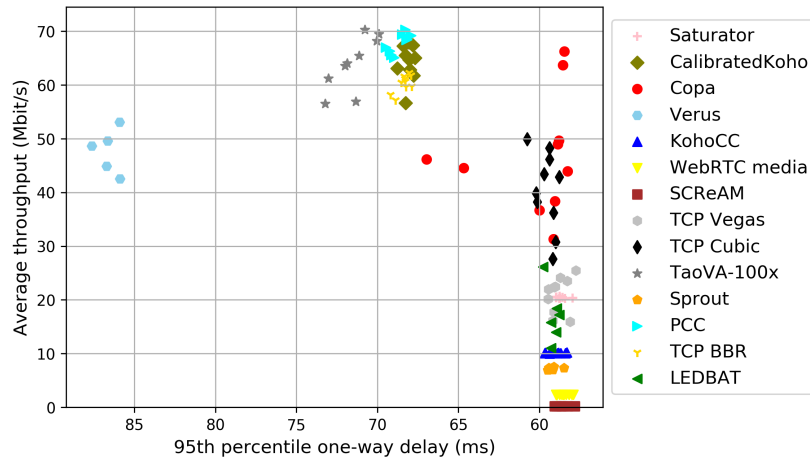**Pantheon Summary** (Generated at Mon, 17 Jul 2017 01:22:36 +0000 with pantheon version `d7b3554d9e52d3442ab19bc1e1c71f4629d4a0ac`)

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

Data path: Colombia Ethernet (*remote*) →AWS Brazil 2 Ethernet (*local*).

NTP offset measured against gps.ntp.br and has been applied to correct the timestamps in logs.

```
git branch: master @ d7b3554d9e52d3442ab19bc1e1c71f4629d4a0ac
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 Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

test from Colombia Ethernet to AWS Brazil 2 Ethernet, 10 runs of 30s each per scheme

2

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	60.26	68.36	6.32
CalibratedKoho	10	64.20	68.10	5.47
Copa	10	46.95	60.27	3.22
TCP Cubic	10	40.31	59.56	0.94
KohoCC	10	10.12	59.03	0.45
LEDBAT	10	17.10	59.17	0.49
PCC	10	67.74	68.66	3.86
QUIC Cubic	10	nan	nan	nan
Saturator	10	20.42	58.66	0.56
SCReAM	10	0.22	58.59	0.28
Sprout	10	7.23	59.16	0.56
TaoVA-100x	10	63.94	71.48	14.90
TCP Vegas	10	20.99	58.81	1.11
Verus	10	47.73	86.56	81.27
WebRTC media	10	2.34	58.47	0.45

```
Run 1: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 22:13:07 +0000
End at: Sun, 16 Jul 2017 22:13:37 +0000
Local clock offset: 0.472 ms
Remote clock offset: -5.79 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:15:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 68.241 ms
Loss rate: 6.12%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 68.241 ms
Loss rate: 6.12%
```
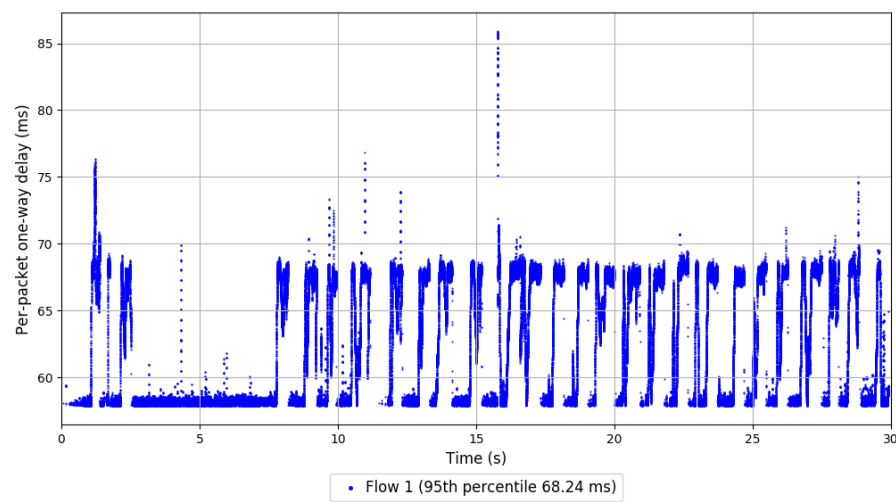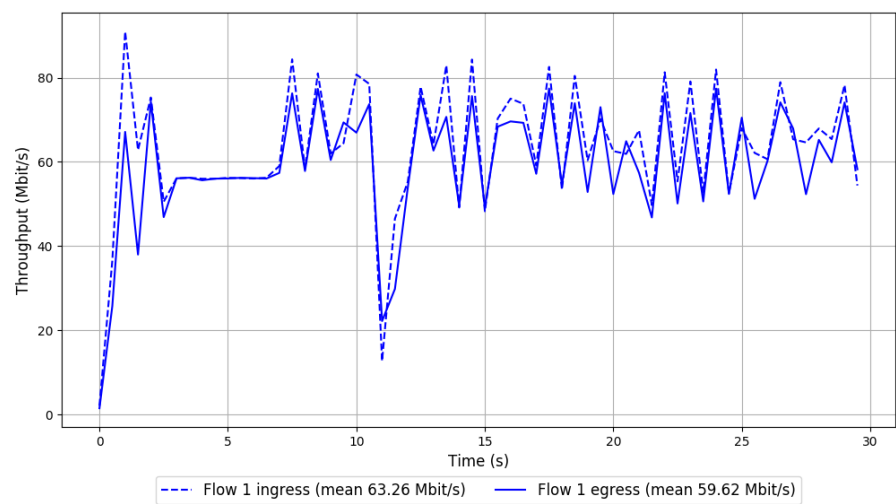
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 22:30:31 +0000
End at: Sun, 16 Jul 2017 22:31:01 +0000
Local clock offset: 0.377 ms
Remote clock offset: -5.816 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:15:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.75 Mbit/s
95th percentile per-packet one-way delay: 67.884 ms
Loss rate: 6.36%
-- Flow 1:
Average throughput: 59.75 Mbit/s
95th percentile per-packet one-way delay: 67.884 ms
Loss rate: 6.36%
```
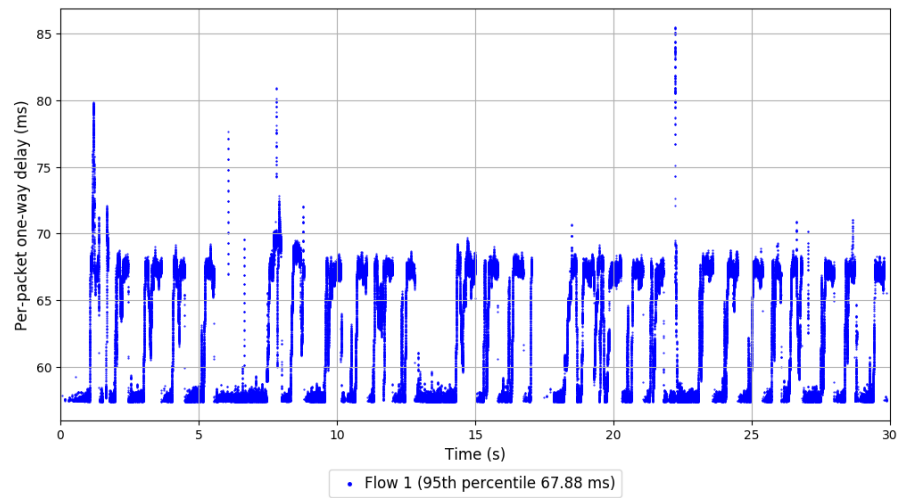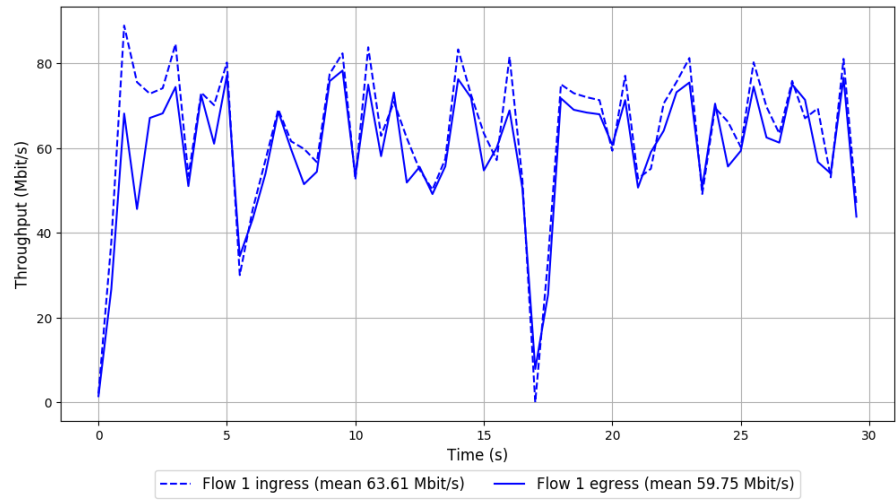
Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 22:48:06 +0000
End at: Sun, 16 Jul 2017 22:48:36 +0000
Local clock offset: 0.385 ms
Remote clock offset: -6.703 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:15:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 67.927 ms
Loss rate: 5.41%
-- Flow 1:
Average throughput: 61.81 Mbit/s
95th percentile per-packet one-way delay: 67.927 ms
Loss rate: 5.41%
```
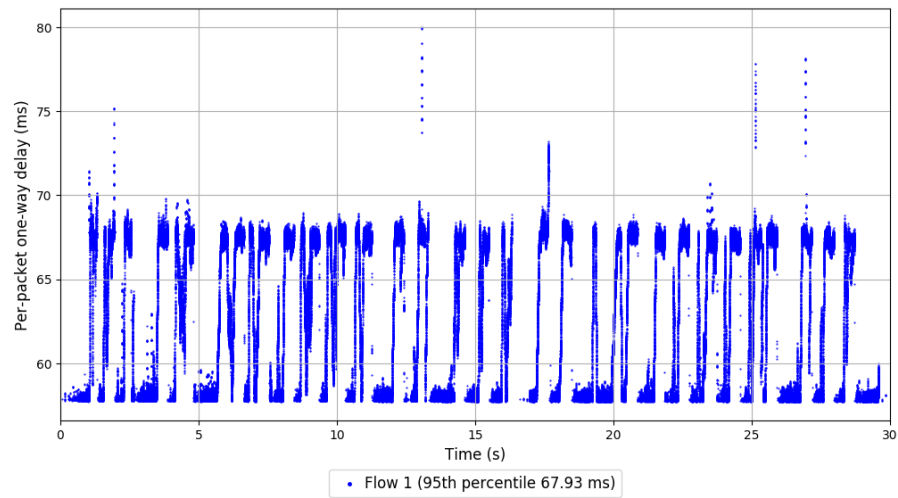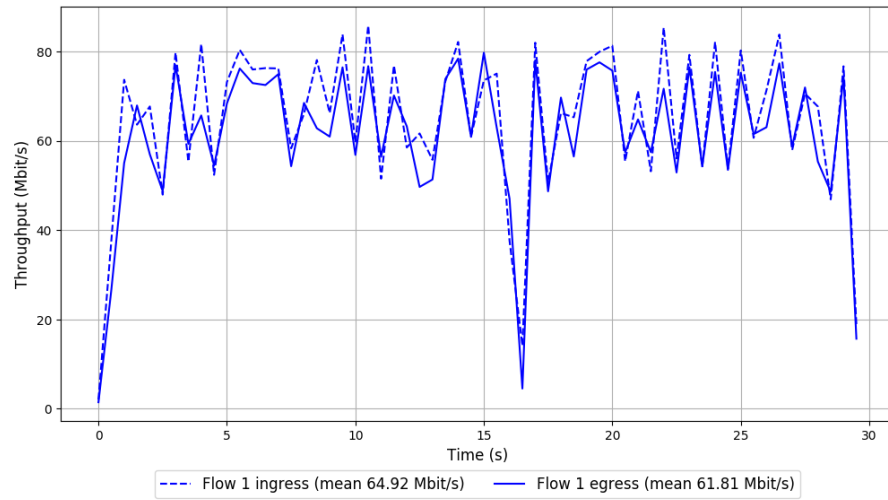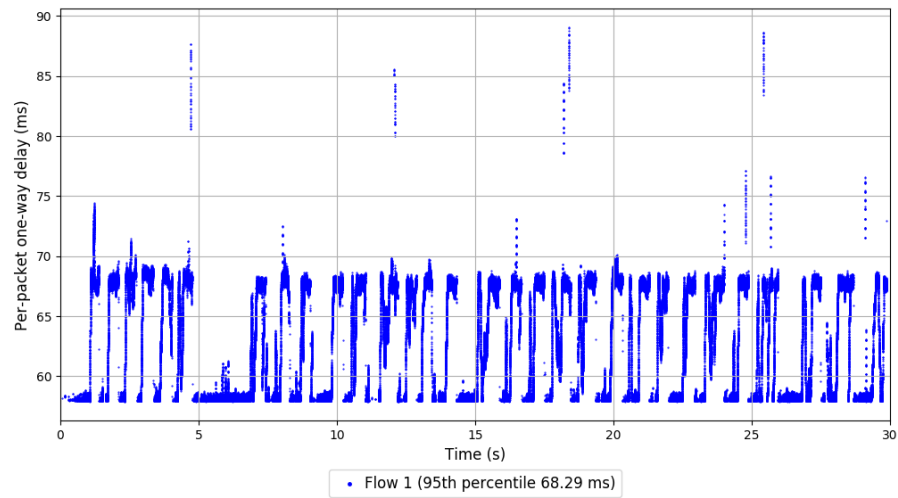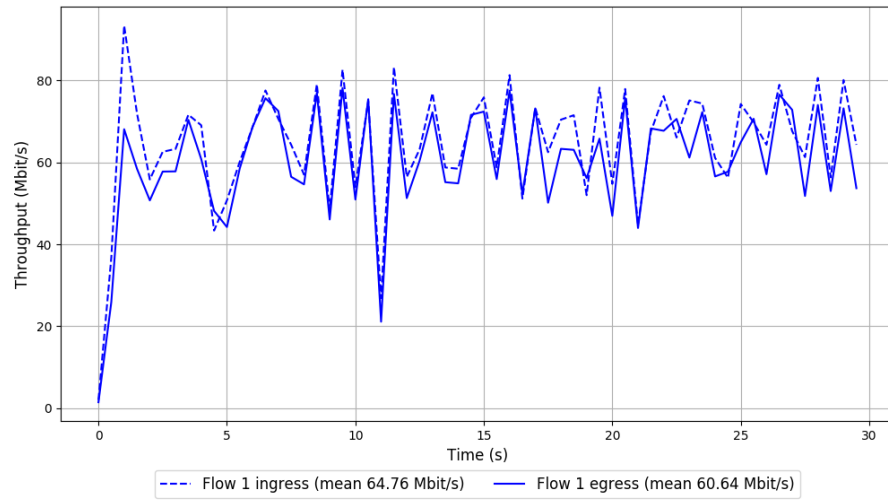
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 64.92 Mbit/s) ----- Flow 1 egress (mean 61.81 Mbit/s)

Flow 1 (95th percentile 67.93 ms)

```
Run 4: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 23:05:25 +0000
End at: Sun, 16 Jul 2017 23:05:55 +0000
Local clock offset: 0.589 ms
Remote clock offset: -6.797 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:15:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.64 Mbit/s
95th percentile per-packet one-way delay: 68.286 ms
Loss rate: 6.70%
-- Flow 1:
Average throughput: 60.64 Mbit/s
95th percentile per-packet one-way delay: 68.286 ms
Loss rate: 6.70%
```

Run 4: Report of TCP BBR — Data Link

```
Run 5: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 23:22:53 +0000
End at: Sun, 16 Jul 2017 23:23:23 +0000
Local clock offset: 0.39 ms
Remote clock offset: -6.868 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:15:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 69.198 ms
Loss rate: 6.38%
-- Flow 1:
Average throughput: 58.16 Mbit/s
95th percentile per-packet one-way delay: 69.198 ms
Loss rate: 6.38%
```
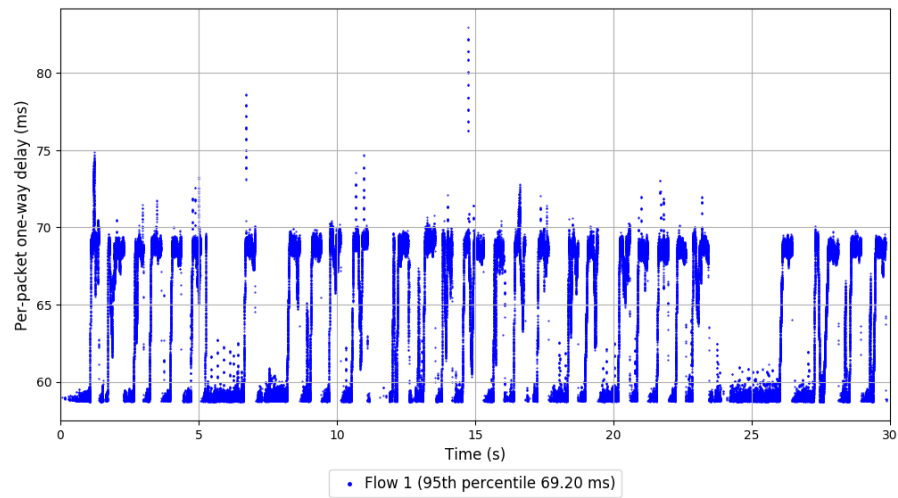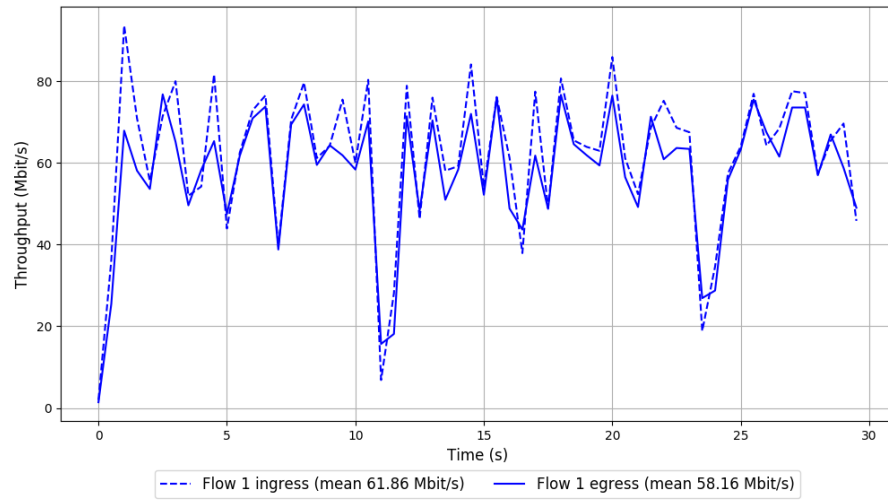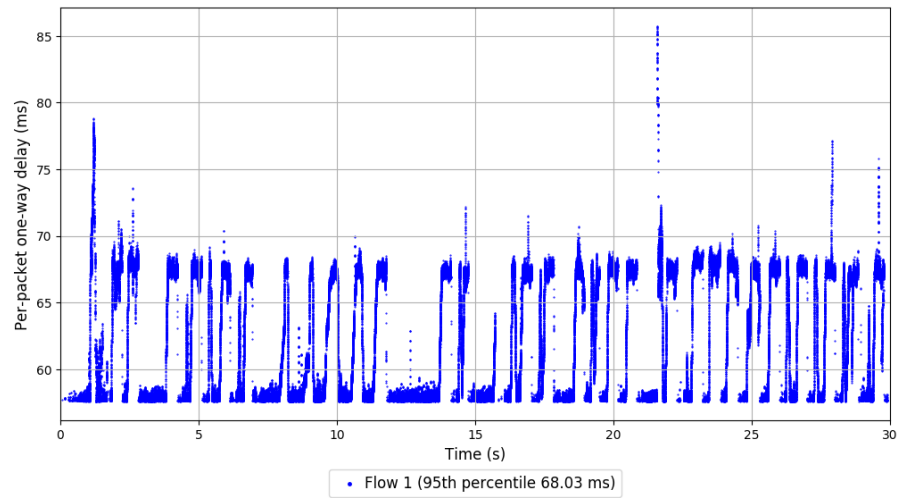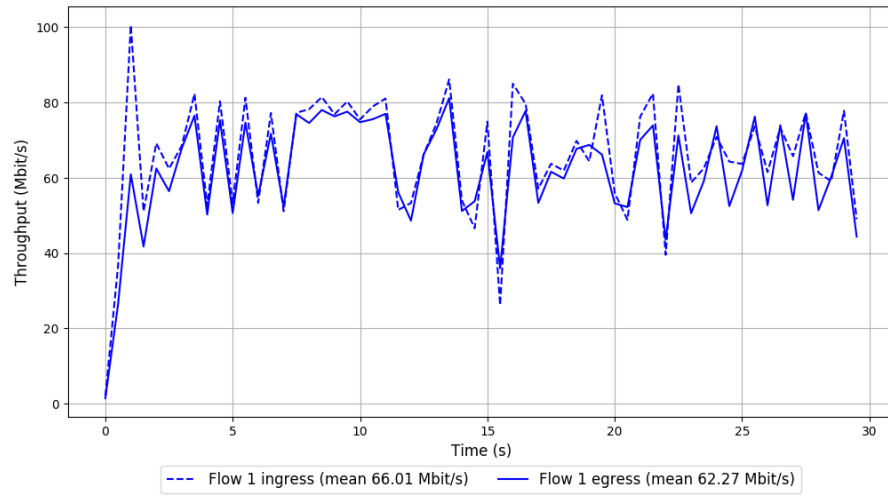
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 61.86 Mbit/s) ----   Flow 1 egress (mean 58.16 Mbit/s) ——

Flow 1 (95th percentile 69.20 ms) •

```
Run 6: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 23:40:32 +0000
End at: Sun, 16 Jul 2017 23:41:02 +0000
Local clock offset: 0.516 ms
Remote clock offset: -6.65 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:15:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 68.032 ms
Loss rate: 6.05%
-- Flow 1:
Average throughput: 62.27 Mbit/s
95th percentile per-packet one-way delay: 68.032 ms
Loss rate: 6.05%
```
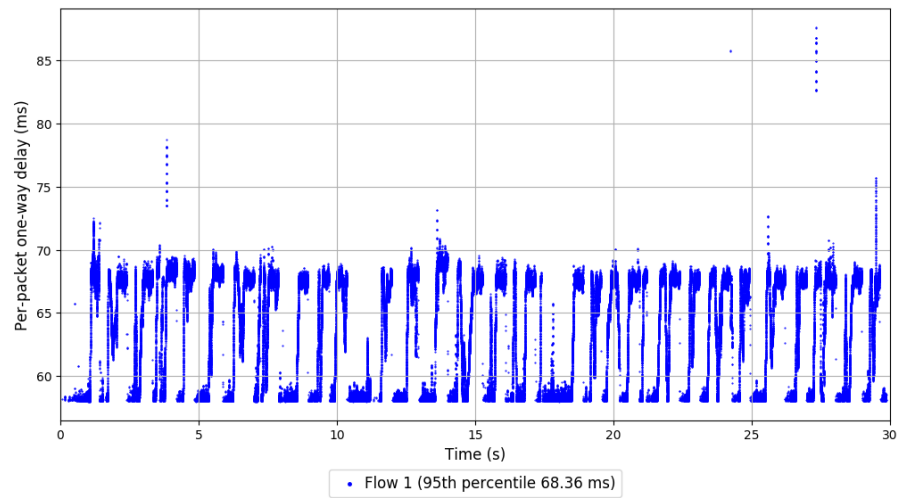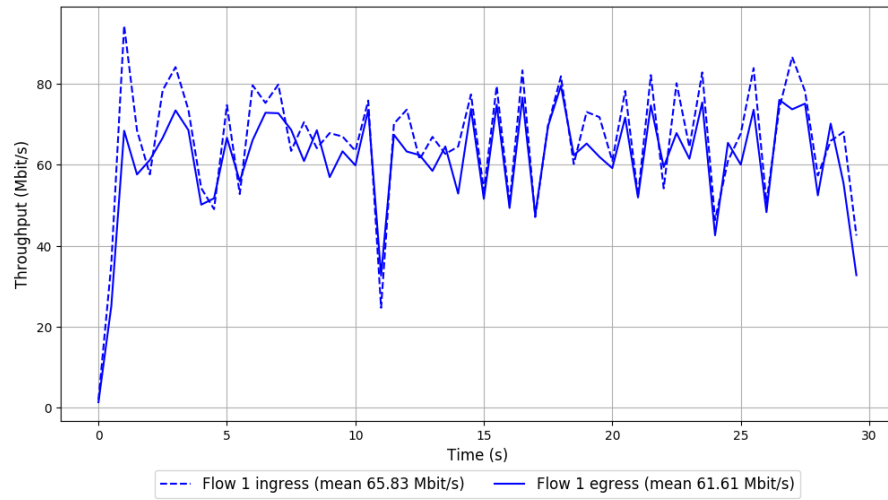
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 66.01 Mbit/s)   Flow 1 egress (mean 62.27 Mbit/s)

• Flow 1 (95th percentile 68.03 ms)

```
Run 7: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 23:57:59 +0000
End at: Sun, 16 Jul 2017 23:58:29 +0000
Local clock offset: 0.552 ms
Remote clock offset: -6.769 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:15:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 68.355 ms
Loss rate: 6.84%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 68.355 ms
Loss rate: 6.84%
```
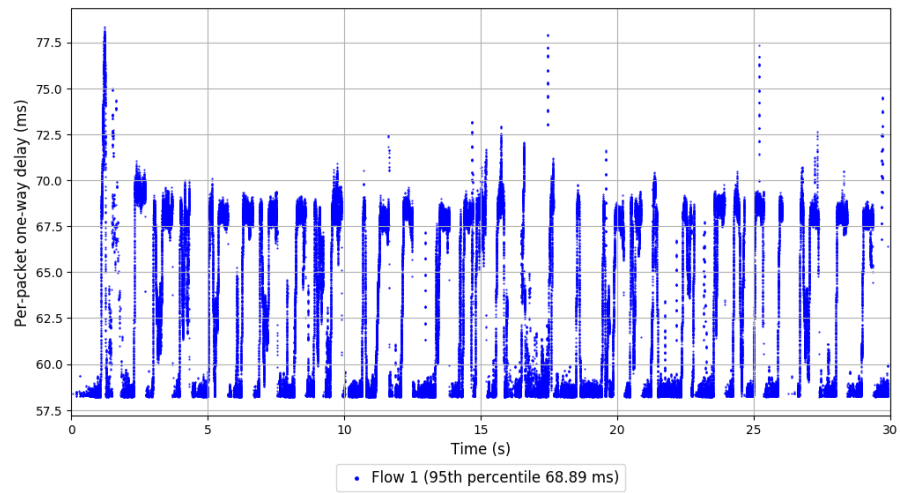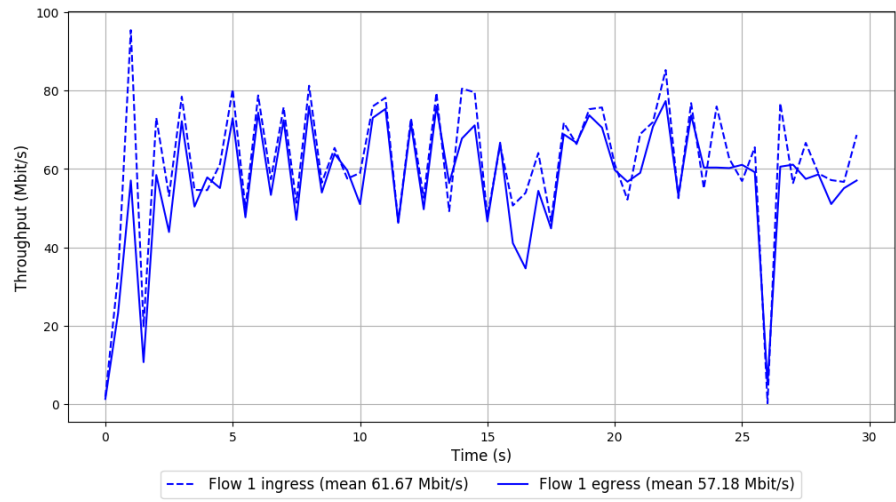
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 65.83 Mbit/s) ---- Flow 1 egress (mean 61.61 Mbit/s)

Flow 1 (95th percentile 68.36 ms)

```
Run 8: Statistics of TCP BBR

Start at: Mon, 17 Jul 2017 00:15:22 +0000
End at: Mon, 17 Jul 2017 00:15:52 +0000
Local clock offset: 0.588 ms
Remote clock offset: -5.478 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:15:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 68.892 ms
Loss rate: 7.63%
-- Flow 1:
Average throughput: 57.18 Mbit/s
95th percentile per-packet one-way delay: 68.892 ms
Loss rate: 7.63%
```
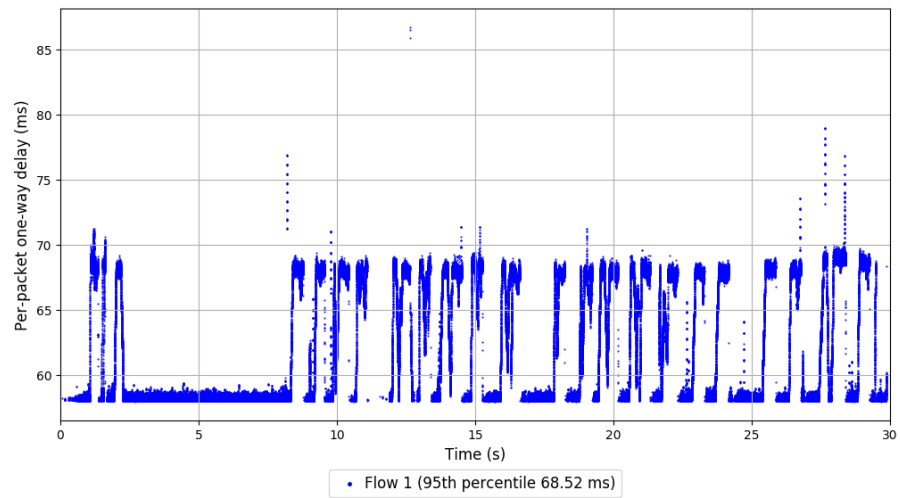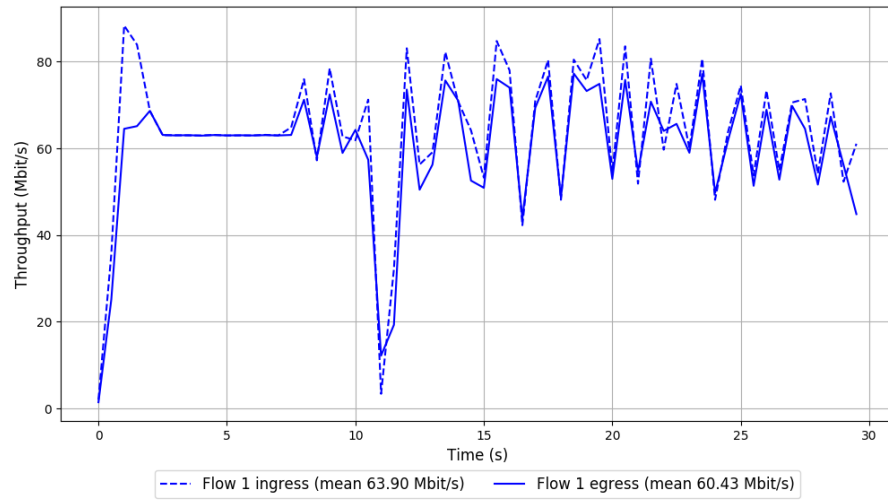
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 61.67 Mbit/s) ----   Flow 1 egress (mean 57.18 Mbit/s) ——

Flow 1 (95th percentile 68.89 ms)

```
Run 9: Statistics of TCP BBR

Start at: Mon, 17 Jul 2017 00:32:41 +0000
End at: Mon, 17 Jul 2017 00:33:11 +0000
Local clock offset: 0.532 ms
Remote clock offset: -5.864 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.43 Mbit/s
95th percentile per-packet one-way delay: 68.516 ms
Loss rate: 5.76%
-- Flow 1:
Average throughput: 60.43 Mbit/s
95th percentile per-packet one-way delay: 68.516 ms
Loss rate: 5.76%
```
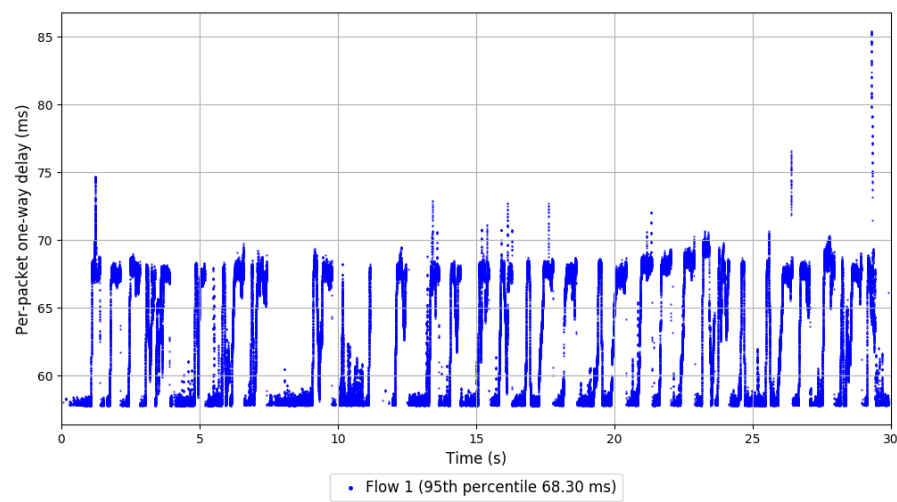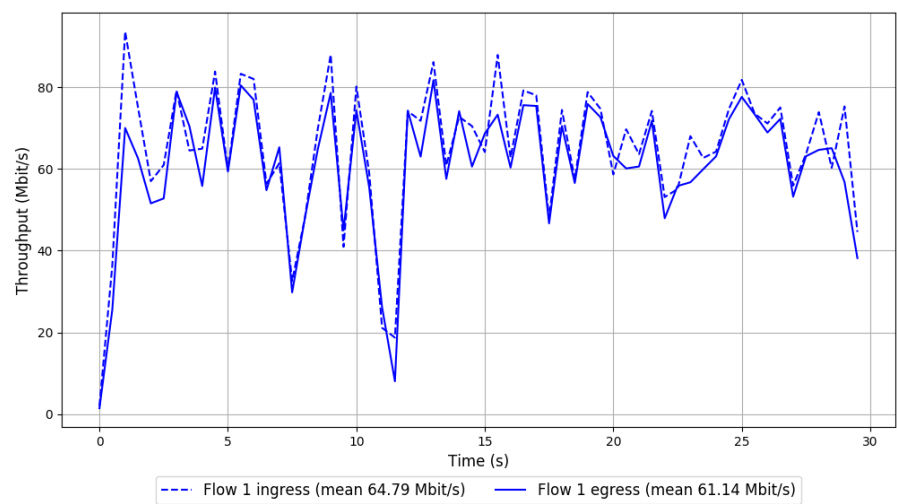
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 63.90 Mbit/s) ----- Flow 1 egress (mean 60.43 Mbit/s)

Flow 1 (95th percentile 68.52 ms)

```
Run 10: Statistics of TCP BBR

Start at: Mon, 17 Jul 2017 00:49:54 +0000
End at: Mon, 17 Jul 2017 00:50:24 +0000
Local clock offset: 0.528 ms
Remote clock offset: -5.504 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 68.298 ms
Loss rate: 5.97%
-- Flow 1:
Average throughput: 61.14 Mbit/s
95th percentile per-packet one-way delay: 68.298 ms
Loss rate: 5.97%
```
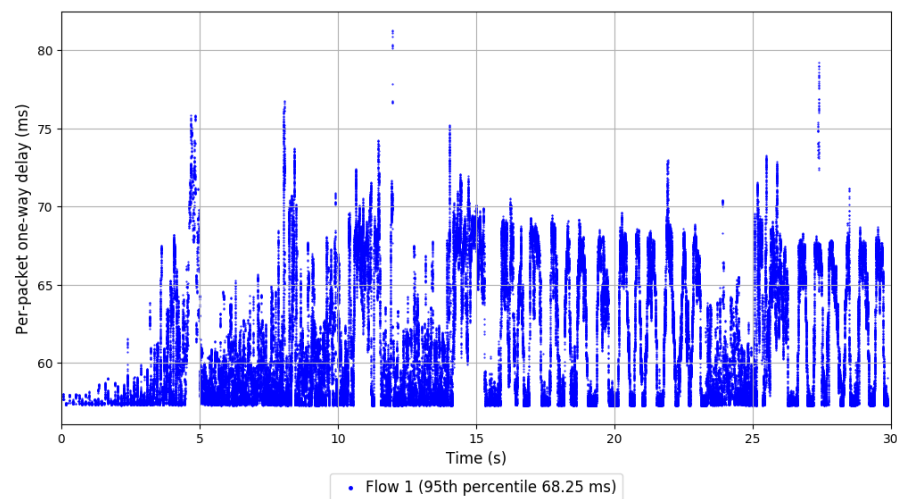
Run 10: Report of TCP BBR — Data Link

```
Run 1: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 22:06:11 +0000
End at: Sun, 16 Jul 2017 22:06:41 +0000
Local clock offset: 0.345 ms
Remote clock offset: -5.599 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 68.254 ms
Loss rate: 22.81%
-- Flow 1:
Average throughput: 56.60 Mbit/s
95th percentile per-packet one-way delay: 68.254 ms
Loss rate: 22.81%
```
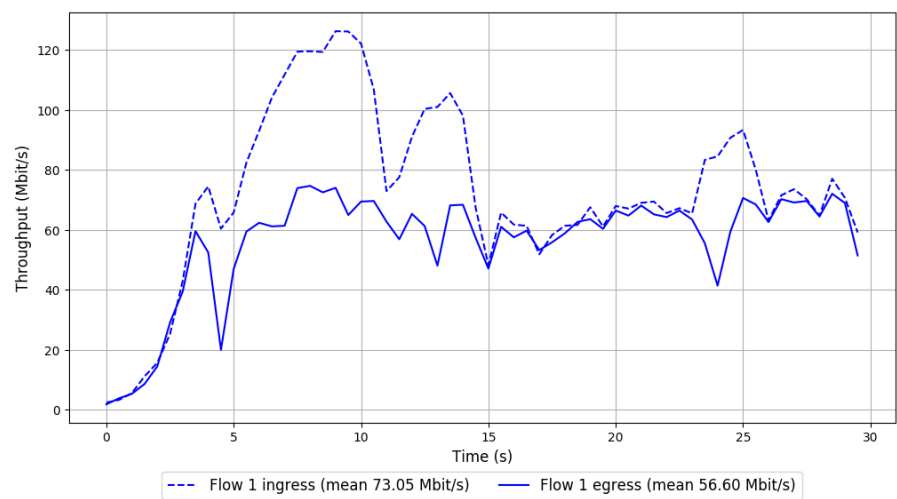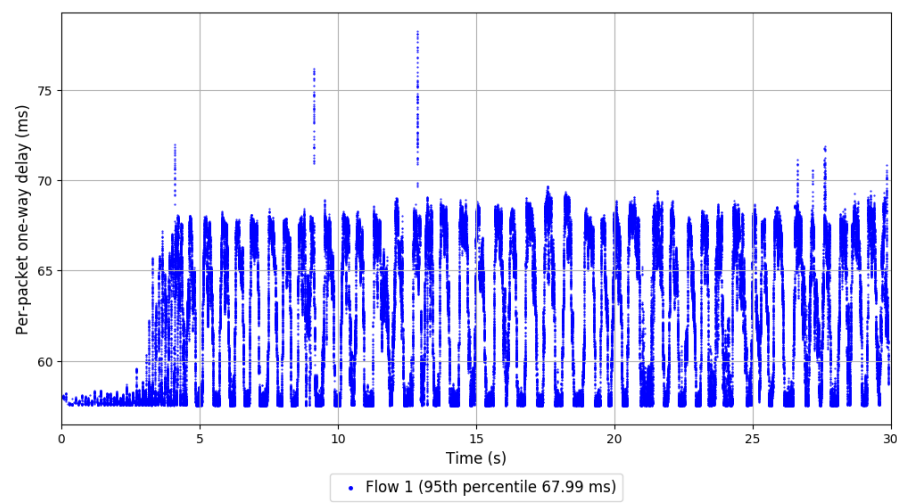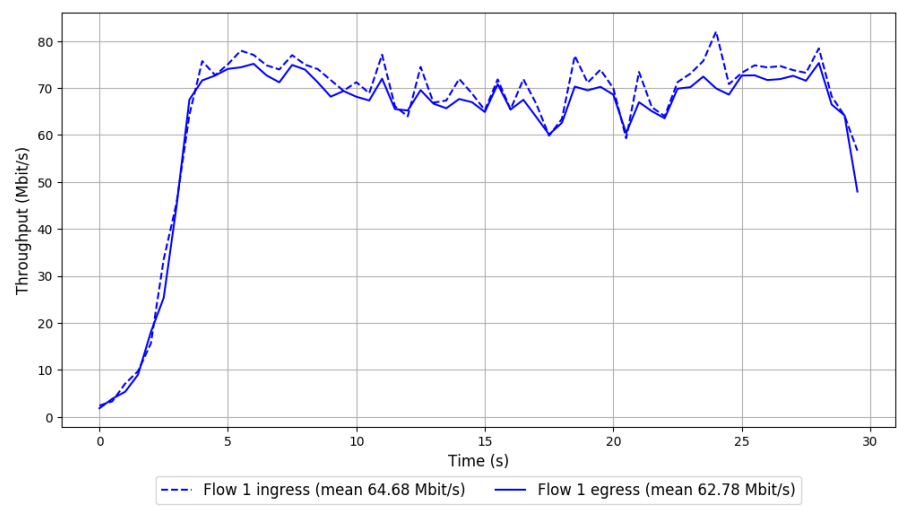
Run 1: Report of CalibratedKoho — Data Link

```
Run 2: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 22:23:32 +0000
End at: Sun, 16 Jul 2017 22:24:02 +0000
Local clock offset: 0.29 ms
Remote clock offset: -6.247 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.78 Mbit/s
95th percentile per-packet one-way delay: 67.989 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 62.78 Mbit/s
95th percentile per-packet one-way delay: 67.989 ms
Loss rate: 3.31%
```

Run 2: Report of CalibratedKoho — Data Link

```
Run 3: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 22:41:02 +0000
End at: Sun, 16 Jul 2017 22:41:32 +0000
Local clock offset: 0.37 ms
Remote clock offset: -6.665 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.91 Mbit/s
95th percentile per-packet one-way delay: 68.059 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 67.91 Mbit/s
95th percentile per-packet one-way delay: 68.059 ms
Loss rate: 2.92%
```
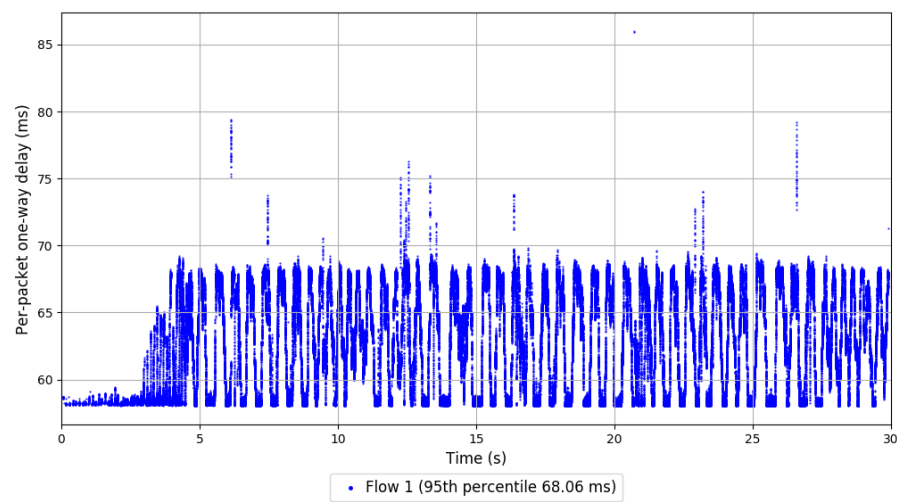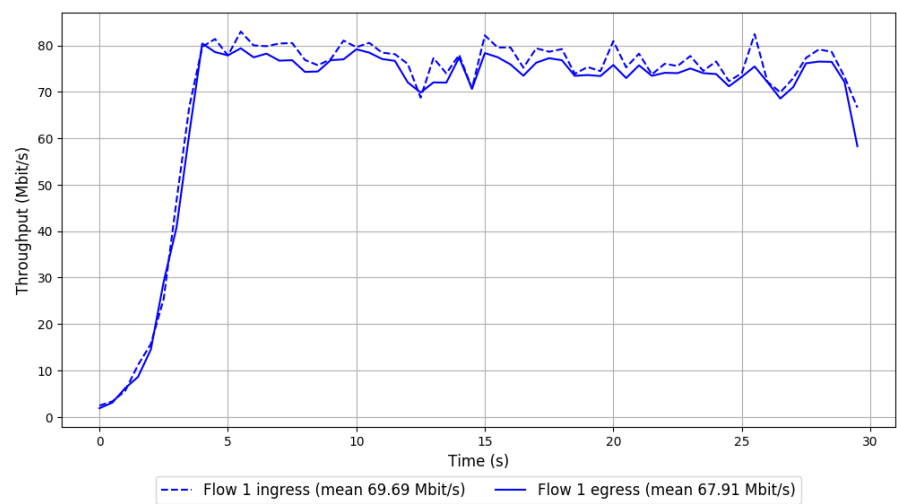
Run 3: Report of CalibratedKoho — Data Link

```
Run 4: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 22:58:24 +0000
End at: Sun, 16 Jul 2017 22:58:54 +0000
Local clock offset: 0.381 ms
Remote clock offset: -6.965 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.39 Mbit/s
95th percentile per-packet one-way delay: 67.823 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 67.39 Mbit/s
95th percentile per-packet one-way delay: 67.823 ms
Loss rate: 3.02%
```
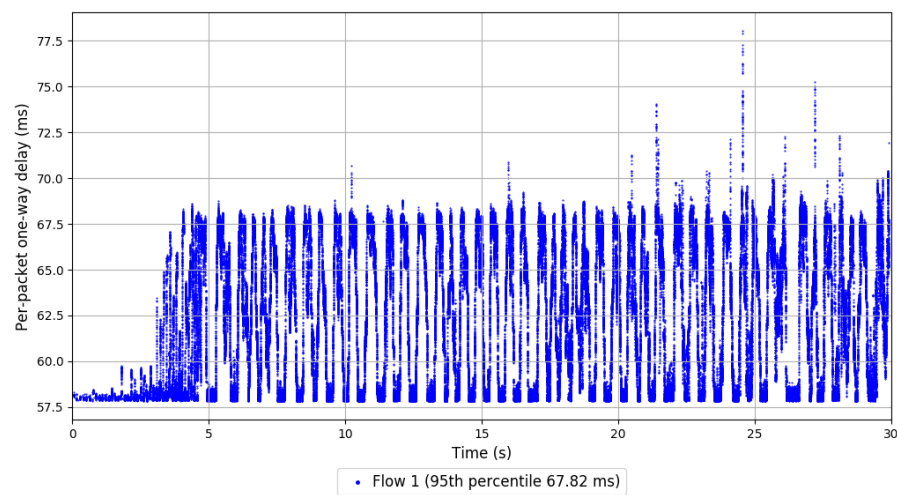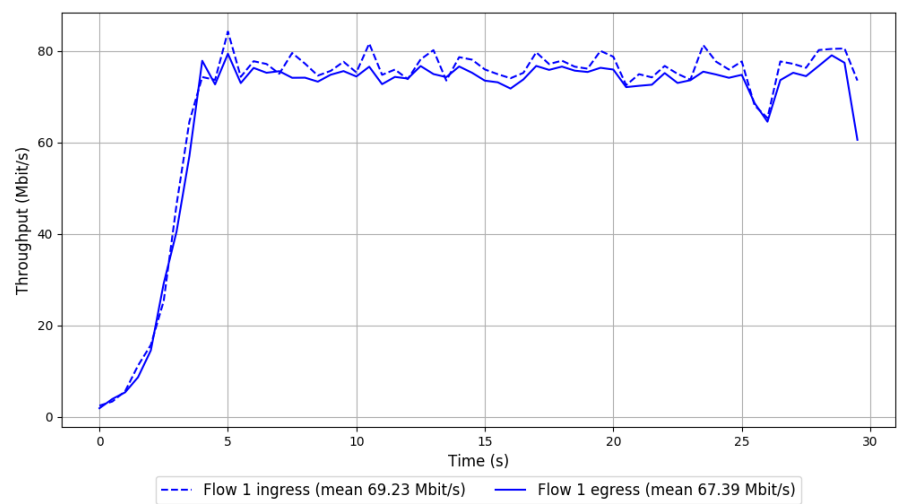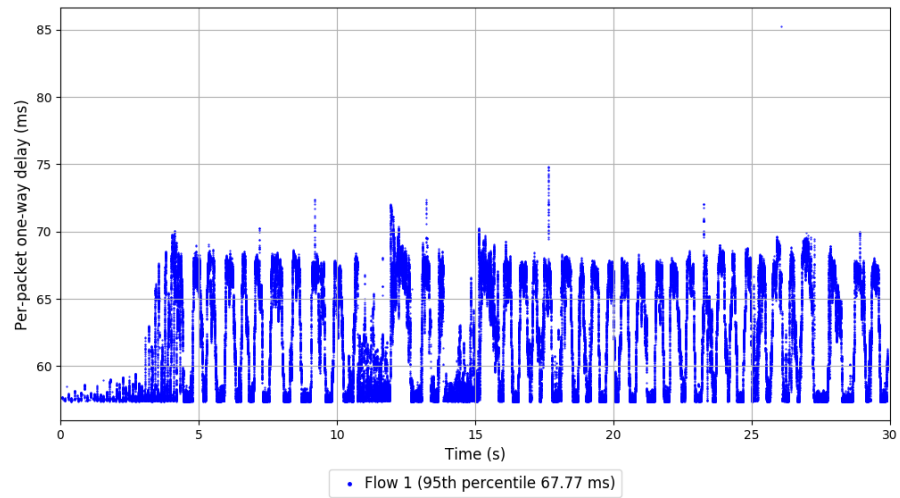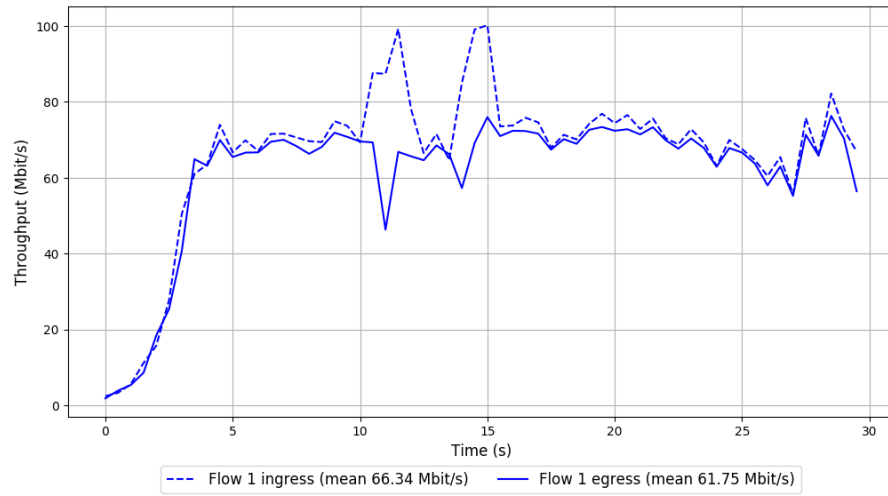
Run 4: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 69.23 Mbit/s)   Flow 1 egress (mean 67.39 Mbit/s)

Flow 1 (95th percentile 67.82 ms)

```
Run 5: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 23:15:57 +0000
End at: Sun, 16 Jul 2017 23:16:27 +0000
Local clock offset: 0.403 ms
Remote clock offset: -6.839 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.75 Mbit/s
95th percentile per-packet one-way delay: 67.772 ms
Loss rate: 7.27%
-- Flow 1:
Average throughput: 61.75 Mbit/s
95th percentile per-packet one-way delay: 67.772 ms
Loss rate: 7.27%
```
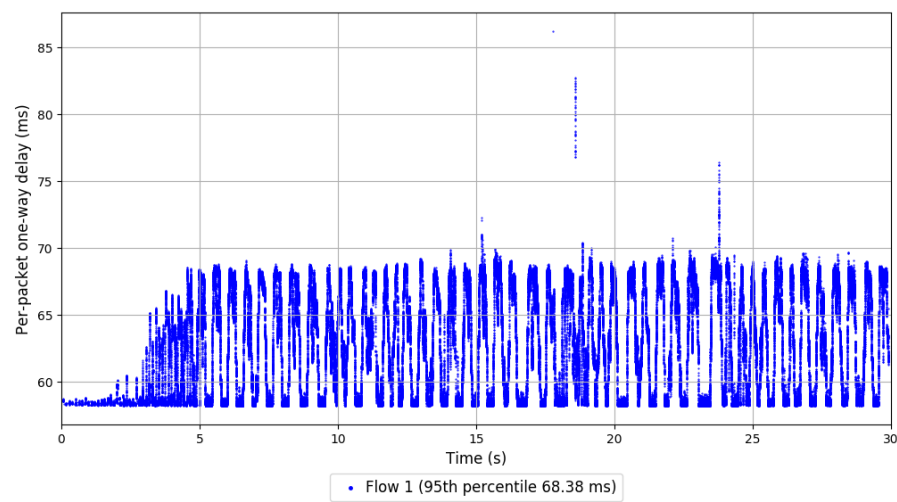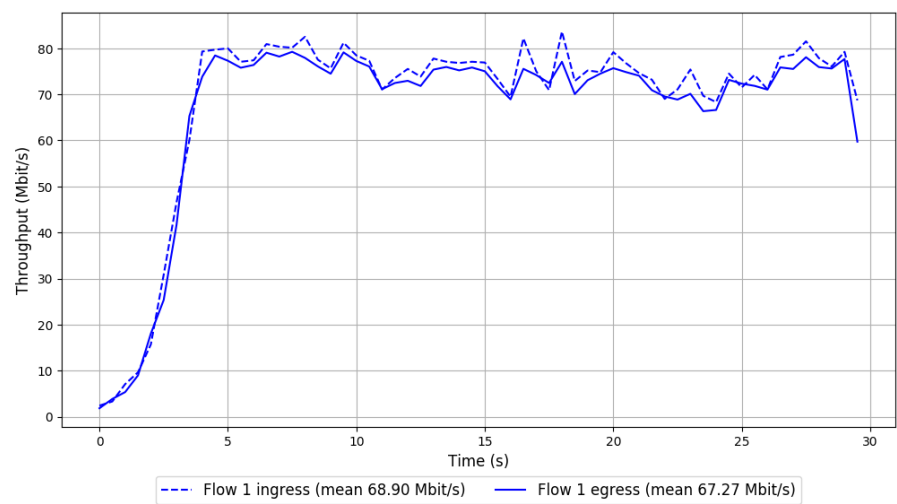
Run 5: Report of CalibratedKoho — Data Link

```
Run 6: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 23:33:35 +0000
End at: Sun, 16 Jul 2017 23:34:05 +0000
Local clock offset: 0.493 ms
Remote clock offset: -6.912 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.27 Mbit/s
95th percentile per-packet one-way delay: 68.384 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 67.27 Mbit/s
95th percentile per-packet one-way delay: 68.384 ms
Loss rate: 2.72%
```

Run 6: Report of CalibratedKoho — Data Link

```
Run 7: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 23:51:03 +0000
End at: Sun, 16 Jul 2017 23:51:33 +0000
Local clock offset: 0.526 ms
Remote clock offset: -7.07 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.69 Mbit/s
95th percentile per-packet one-way delay: 68.032 ms
Loss rate: 3.21%
-- Flow 1:
Average throughput: 64.69 Mbit/s
95th percentile per-packet one-way delay: 68.032 ms
Loss rate: 3.21%
```
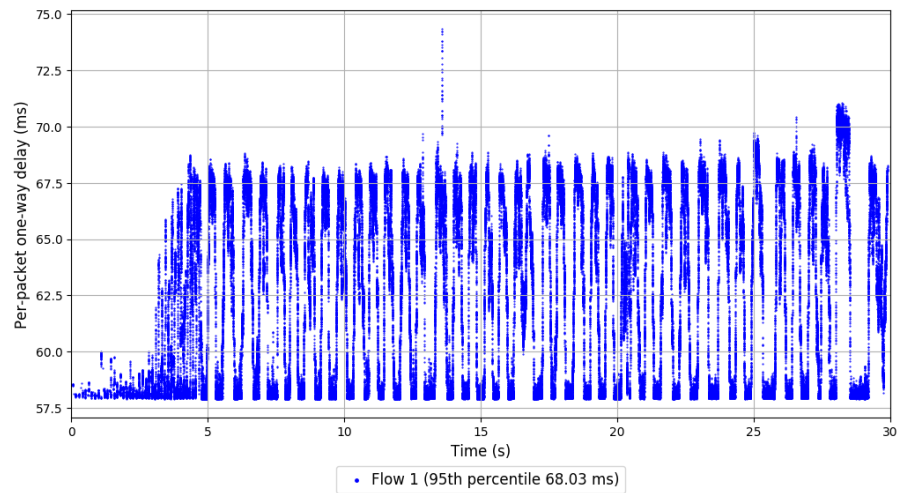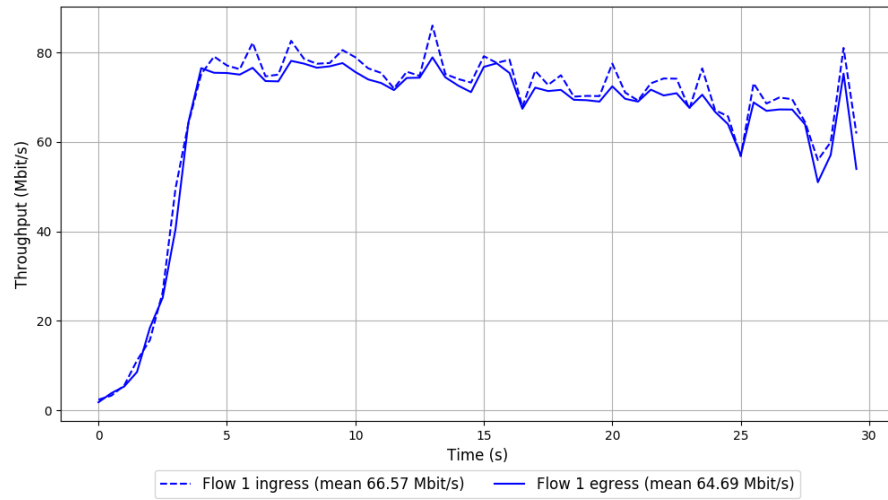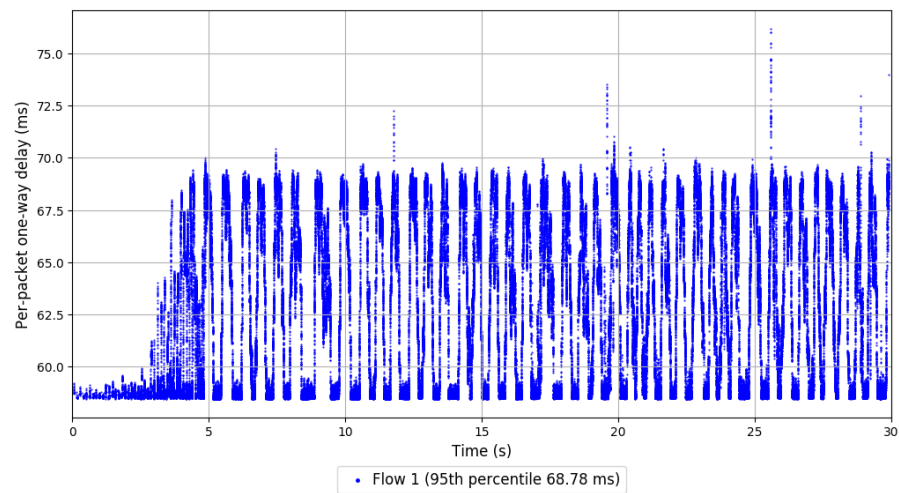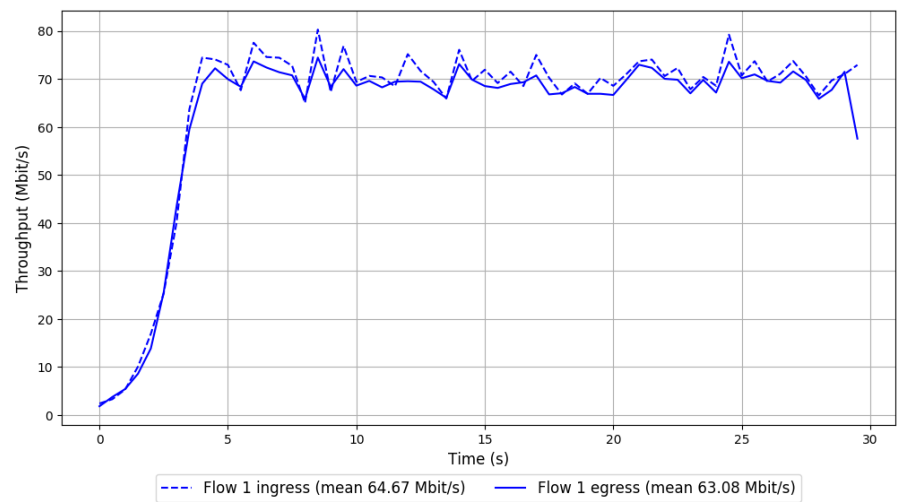
Run 7: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 66.57 Mbit/s)   Flow 1 egress (mean 64.69 Mbit/s)

Flow 1 (95th percentile 68.03 ms)

```
Run 8: Statistics of CalibratedKoho

Start at: Mon, 17 Jul 2017 00:08:18 +0000
End at: Mon, 17 Jul 2017 00:08:49 +0000
Local clock offset: 0.554 ms
Remote clock offset: -6.025 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.08 Mbit/s
95th percentile per-packet one-way delay: 68.779 ms
Loss rate: 2.83%
-- Flow 1:
Average throughput: 63.08 Mbit/s
95th percentile per-packet one-way delay: 68.779 ms
Loss rate: 2.83%
```
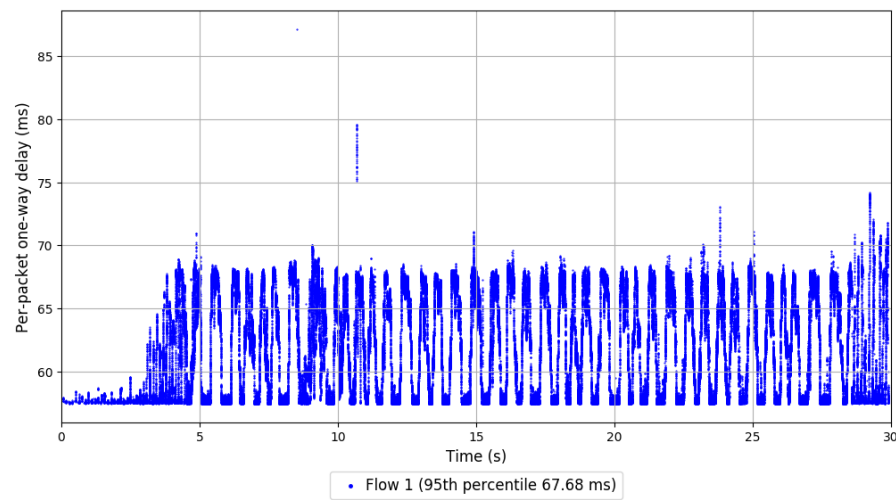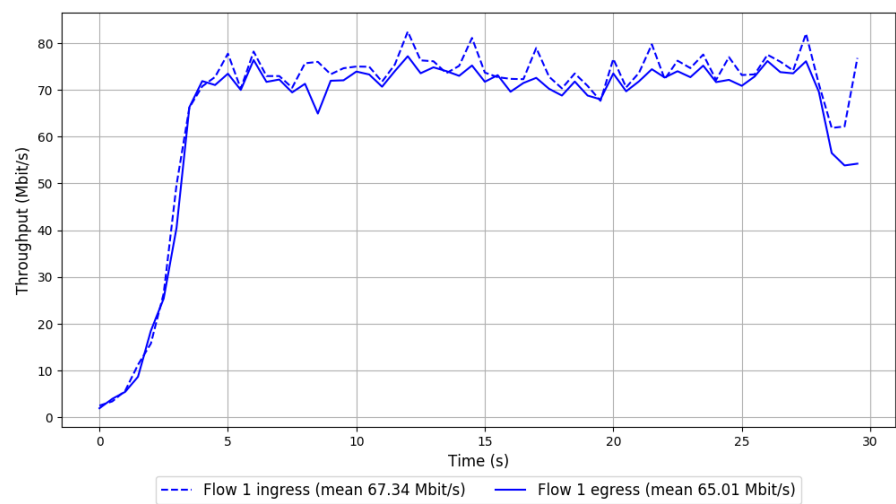
Run 8: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 64.67 Mbit/s)   Flow 1 egress (mean 63.08 Mbit/s)

Flow 1 (95th percentile 68.78 ms)

```
Run 9: Statistics of CalibratedKoho

Start at: Mon, 17 Jul 2017 00:25:45 +0000
End at: Mon, 17 Jul 2017 00:26:15 +0000
Local clock offset: 0.452 ms
Remote clock offset: -5.329 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 67.682 ms
Loss rate: 3.83%
-- Flow 1:
Average throughput: 65.01 Mbit/s
95th percentile per-packet one-way delay: 67.682 ms
Loss rate: 3.83%
```
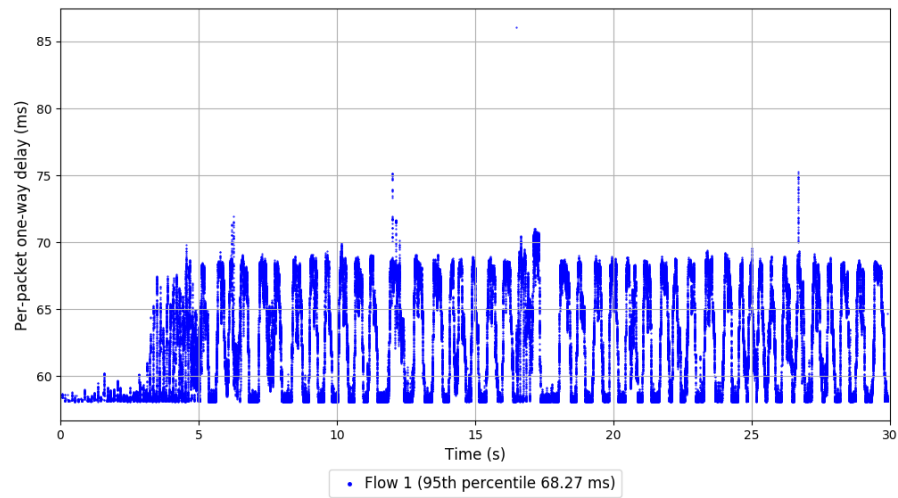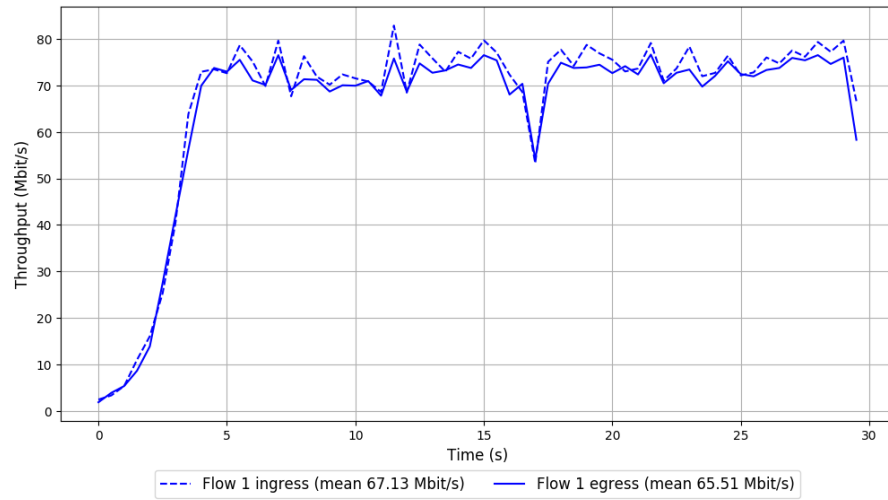
Run 9: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 67.34 Mbit/s) ----- Flow 1 egress (mean 65.01 Mbit/s)

Flow 1 (95th percentile 67.68 ms)

```
Run 10: Statistics of CalibratedKoho

Start at: Mon, 17 Jul 2017 00:43:07 +0000
End at: Mon, 17 Jul 2017 00:43:37 +0000
Local clock offset: 0.519 ms
Remote clock offset: -5.637 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.51 Mbit/s
95th percentile per-packet one-way delay: 68.269 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 65.51 Mbit/s
95th percentile per-packet one-way delay: 68.269 ms
Loss rate: 2.77%
```

Run 10: Report of CalibratedKoho — Data Link

```
Run 1: Statistics of Copa

Start at: Sun, 16 Jul 2017 22:03:55 +0000
End at: Sun, 16 Jul 2017 22:04:25 +0000
Local clock offset: 0.32 ms
Remote clock offset: -6.063 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:16:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 59.136 ms
Loss rate: 5.84%
-- Flow 1:
Average throughput: 31.30 Mbit/s
95th percentile per-packet one-way delay: 59.136 ms
Loss rate: 5.84%
```
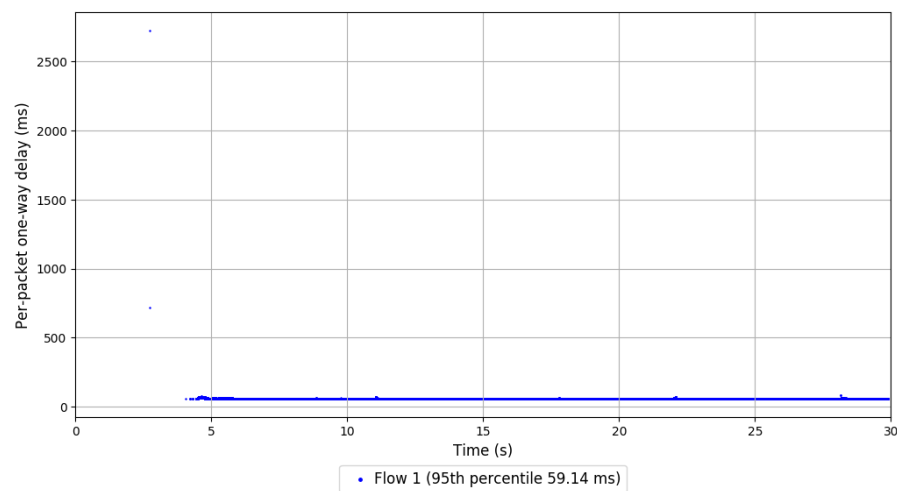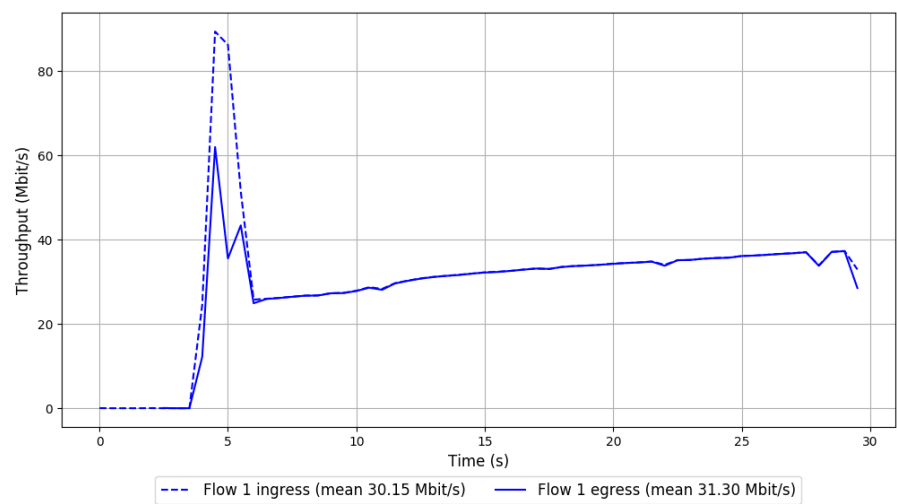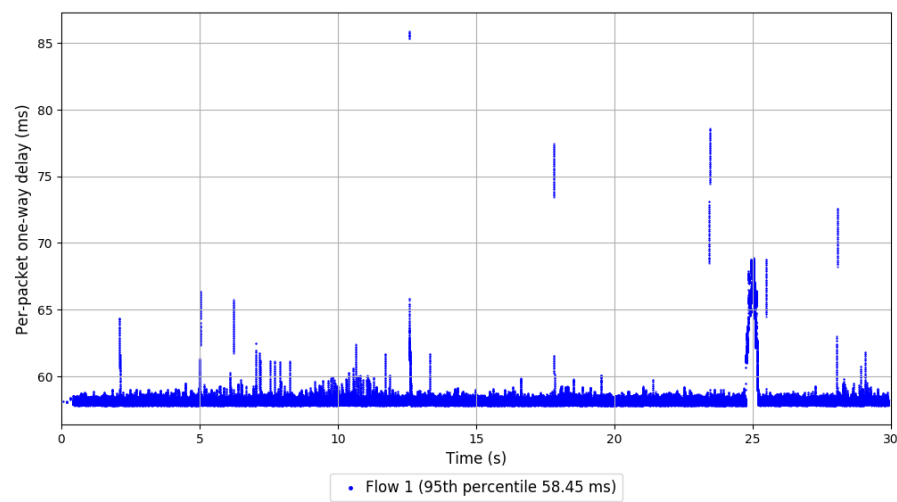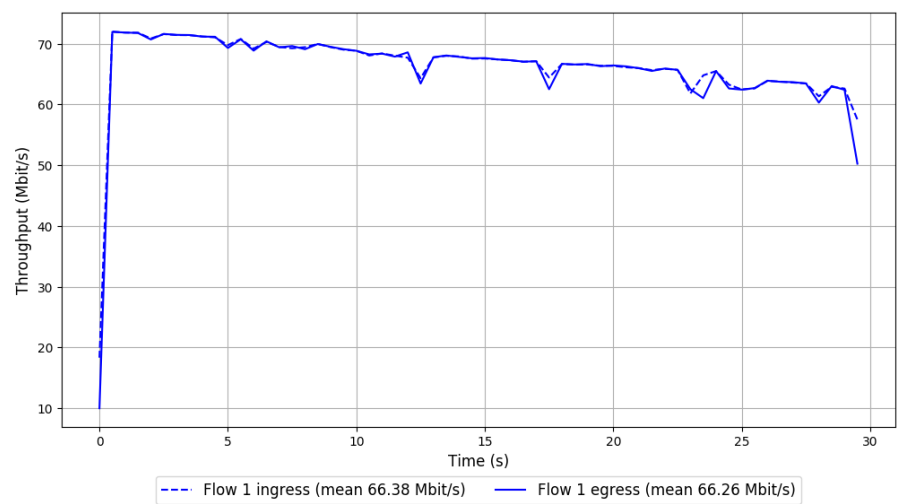
Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 30.15 Mbit/s)   Flow 1 egress (mean 31.30 Mbit/s)

Flow 1 (95th percentile 59.14 ms)

```
Run 2: Statistics of Copa

Start at: Sun, 16 Jul 2017 22:21:10 +0000
End at: Sun, 16 Jul 2017 22:21:40 +0000
Local clock offset: 0.337 ms
Remote clock offset: -5.944 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:17:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.26 Mbit/s
95th percentile per-packet one-way delay: 58.453 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 66.26 Mbit/s
95th percentile per-packet one-way delay: 58.453 ms
Loss rate: 0.57%
```

Run 2: Report of Copa — Data Link

```
Run 3: Statistics of Copa

Start at: Sun, 16 Jul 2017 22:38:44 +0000
End at: Sun, 16 Jul 2017 22:39:14 +0000
Local clock offset: 0.402 ms
Remote clock offset: -6.181 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:17:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 66.976 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 66.976 ms
Loss rate: 1.11%
```
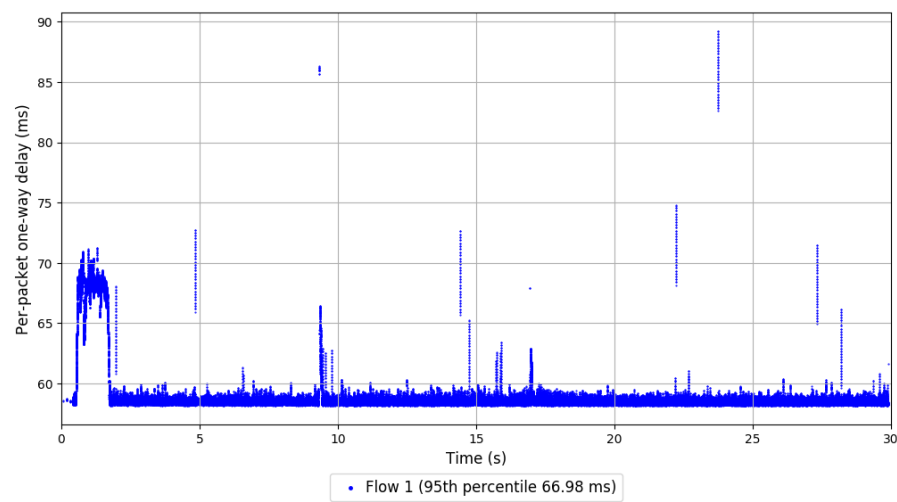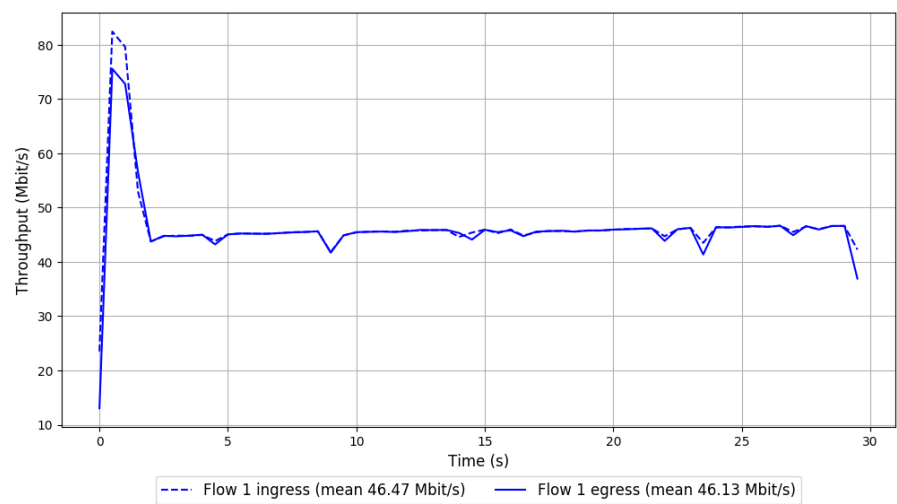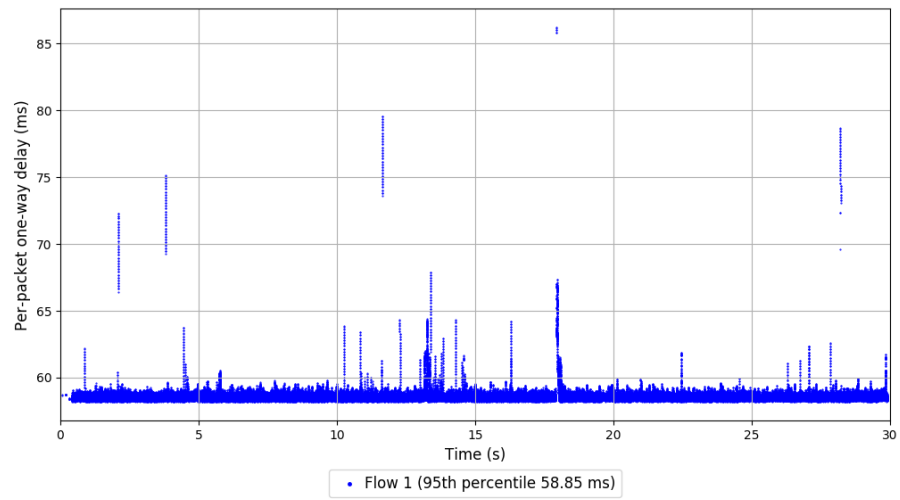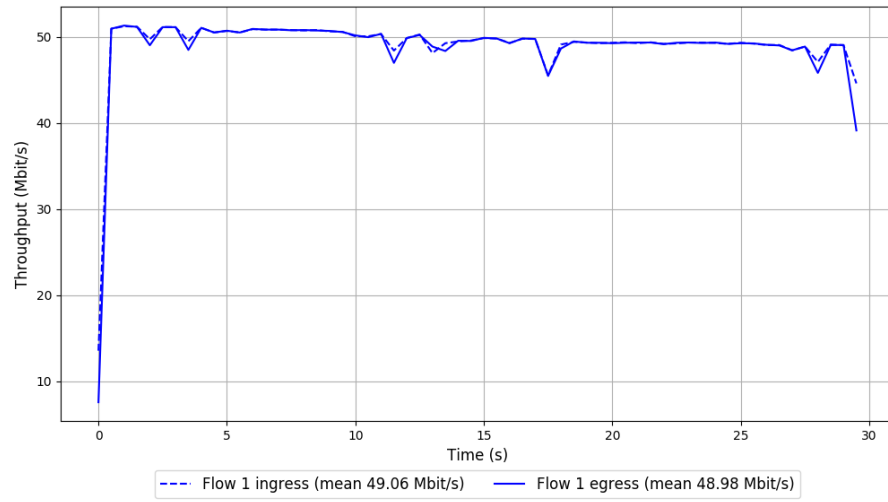
Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 46.47 Mbit/s) --- Flow 1 egress (mean 46.13 Mbit/s)

· Flow 1 (95th percentile 66.98 ms)

```
Run 4: Statistics of Copa

Start at: Sun, 16 Jul 2017 22:56:05 +0000
End at: Sun, 16 Jul 2017 22:56:35 +0000
Local clock offset: 0.35 ms
Remote clock offset: -6.717 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:17:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 58.855 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 58.855 ms
Loss rate: 0.56%
```

Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: Sun, 16 Jul 2017 23:13:39 +0000
End at: Sun, 16 Jul 2017 23:14:09 +0000
Local clock offset: 0.416 ms
Remote clock offset: -6.962 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:17:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 59.049 ms
Loss rate: 8.85%
-- Flow 1:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 59.049 ms
Loss rate: 8.85%
```
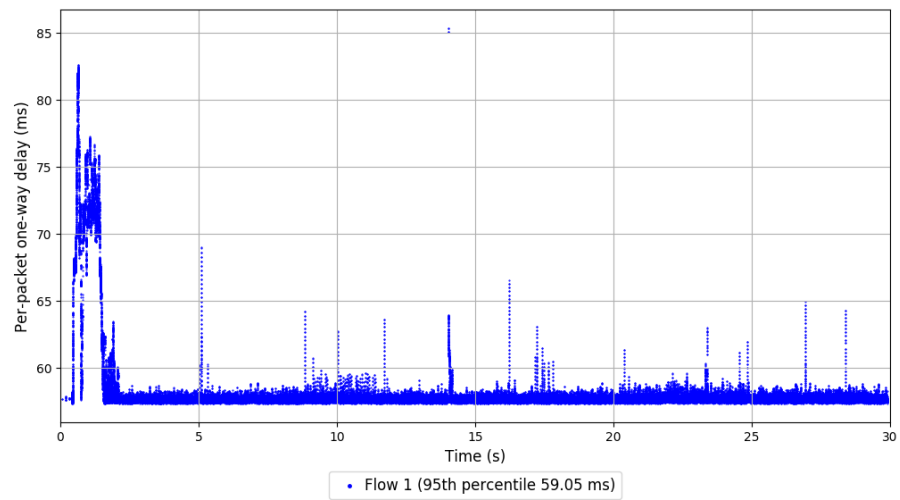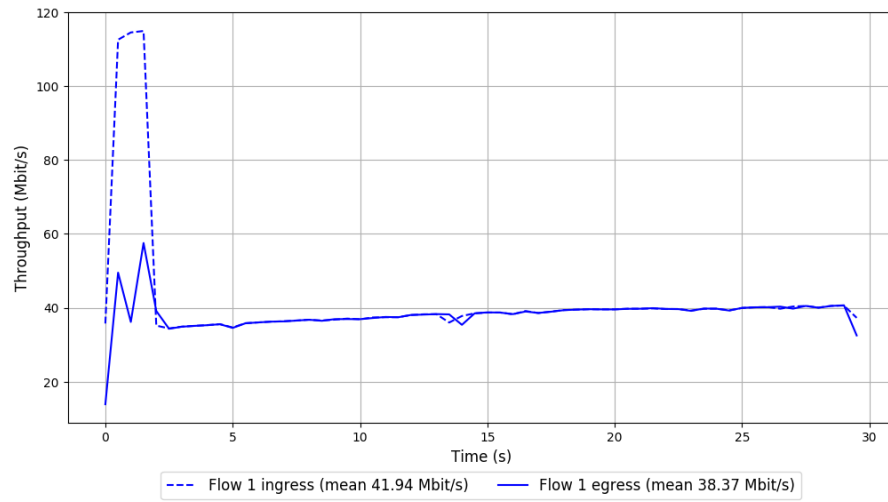
Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: Sun, 16 Jul 2017 23:31:10 +0000
End at: Sun, 16 Jul 2017 23:31:40 +0000
Local clock offset: 0.505 ms
Remote clock offset: -6.574 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:17:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.57 Mbit/s
95th percentile per-packet one-way delay: 64.664 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 44.57 Mbit/s
95th percentile per-packet one-way delay: 64.664 ms
Loss rate: 1.53%
```
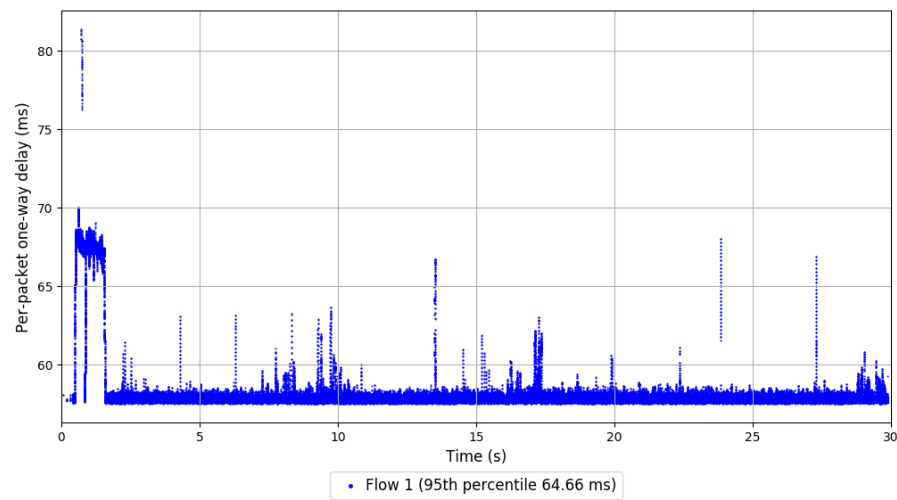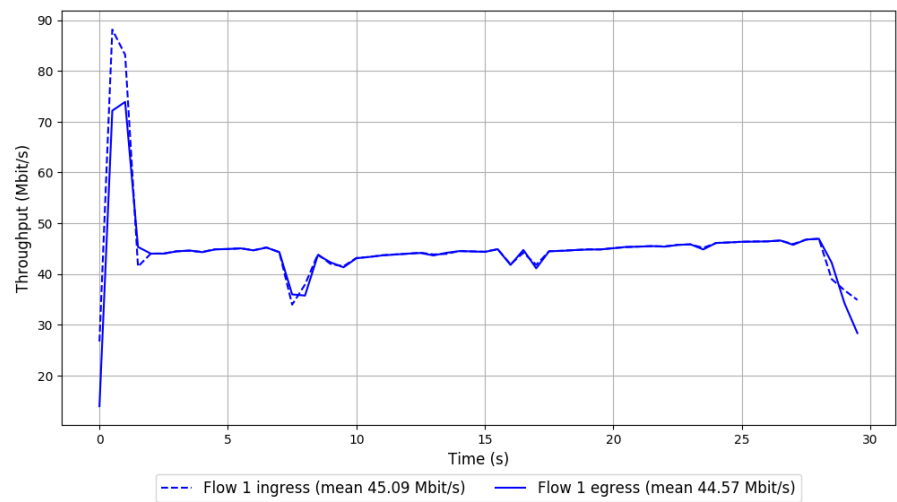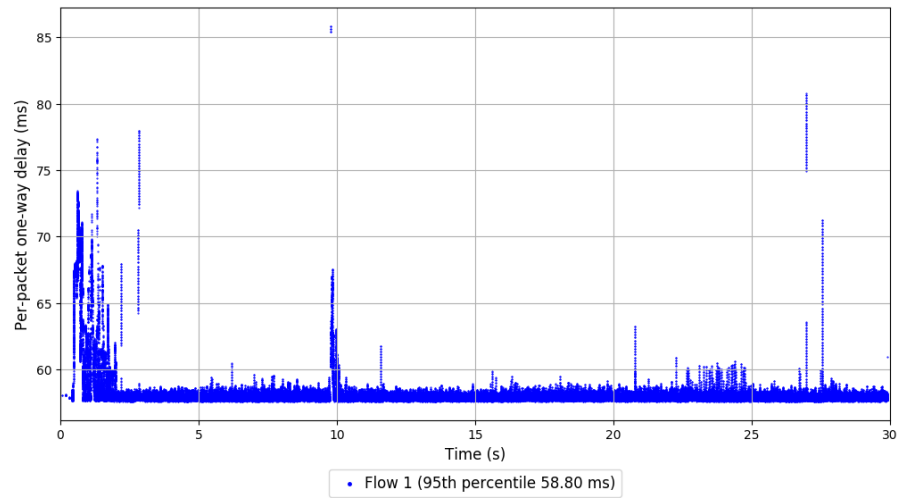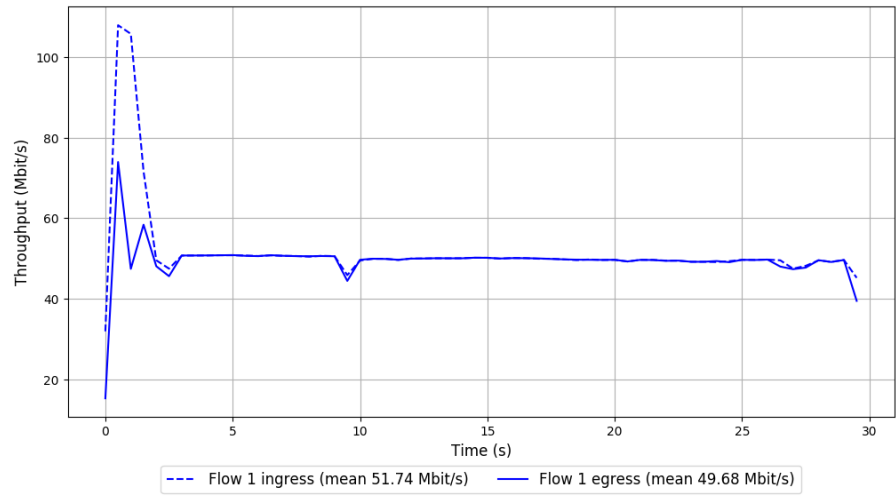
Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 45.09 Mbit/s) ——— Flow 1 egress (mean 44.57 Mbit/s)

Flow 1 (95th percentile 64.66 ms)

```
Run 7: Statistics of Copa

Start at: Sun, 16 Jul 2017 23:48:43 +0000
End at: Sun, 16 Jul 2017 23:49:13 +0000
Local clock offset: 0.546 ms
Remote clock offset: -6.819 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:17:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.68 Mbit/s
95th percentile per-packet one-way delay: 58.801 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 49.68 Mbit/s
95th percentile per-packet one-way delay: 58.801 ms
Loss rate: 4.34%
```

Run 7: Report of Copa — Data Link

```
Run 8: Statistics of Copa

Start at: Mon, 17 Jul 2017 00:06:01 +0000
End at: Mon, 17 Jul 2017 00:06:31 +0000
Local clock offset: 0.528 ms
Remote clock offset: -6.186 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:17:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 60.002 ms
Loss rate: 6.37%
-- Flow 1:
Average throughput: 36.68 Mbit/s
95th percentile per-packet one-way delay: 60.002 ms
Loss rate: 6.37%
```
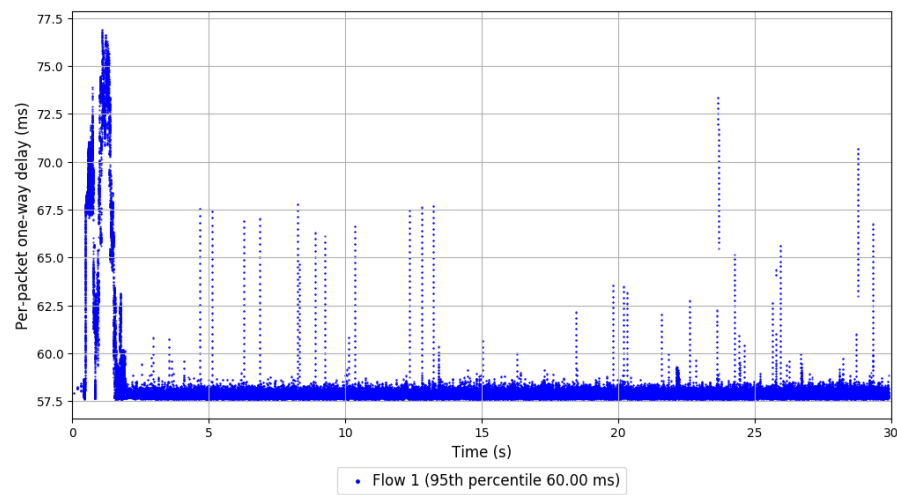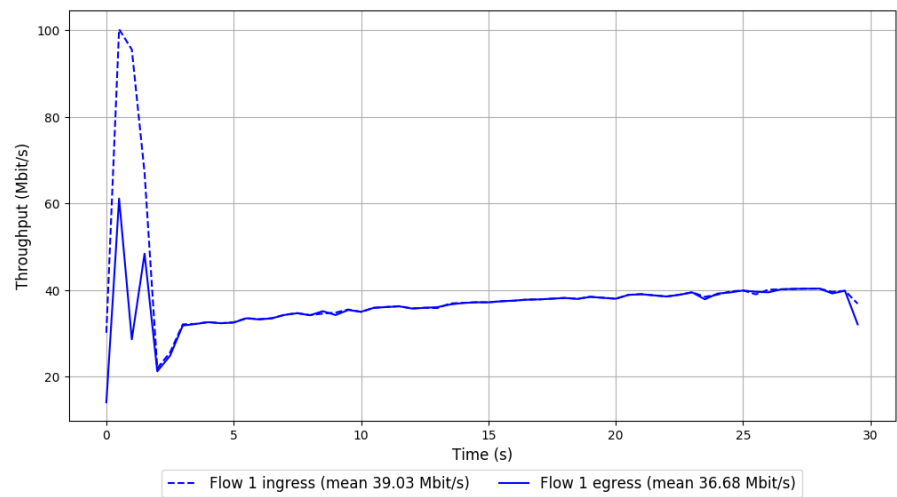
Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: Mon, 17 Jul 2017 00:23:24 +0000
End at: Mon, 17 Jul 2017 00:23:54 +0000
Local clock offset: 0.499 ms
Remote clock offset: -6.135 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:17:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 58.546 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 63.65 Mbit/s
95th percentile per-packet one-way delay: 58.546 ms
Loss rate: 0.47%
```
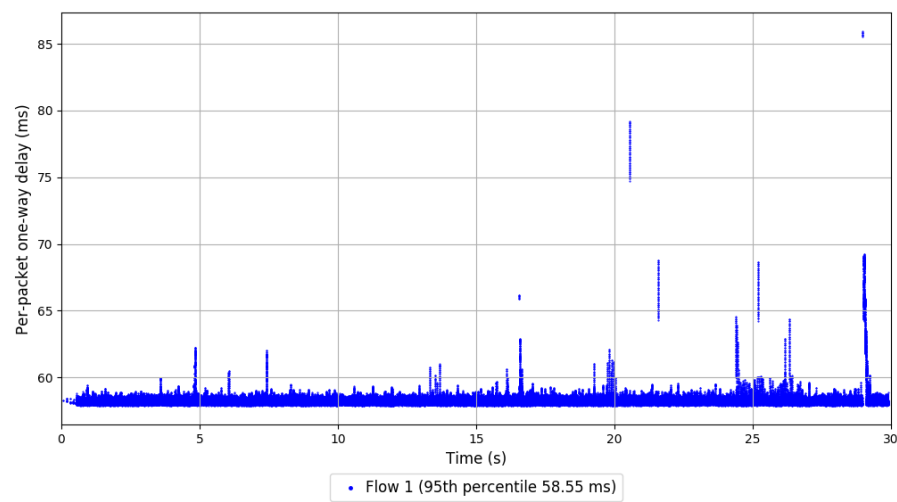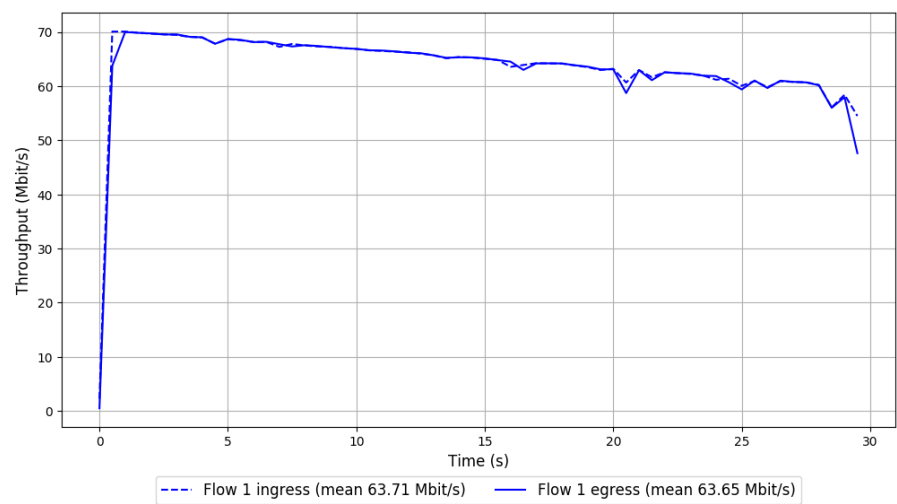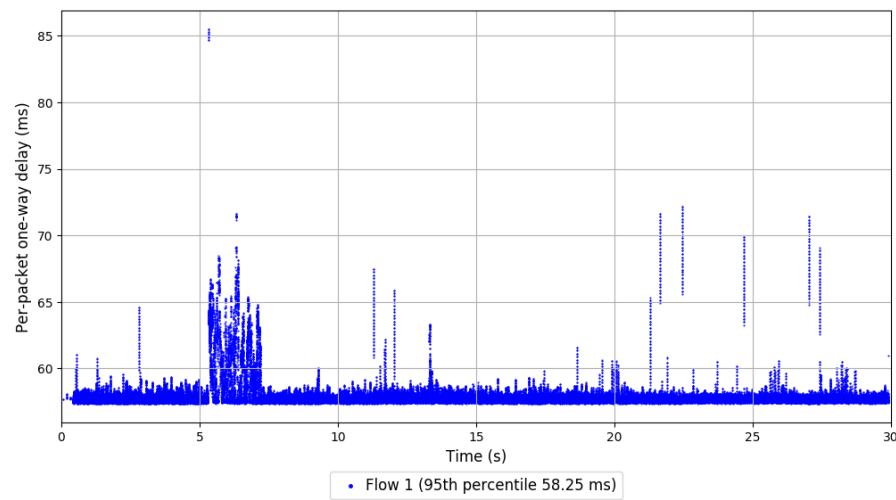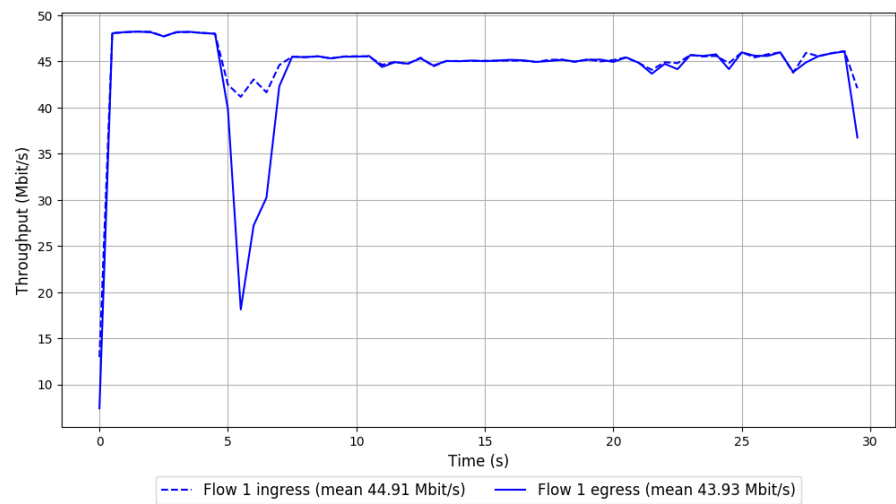
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 63.71 Mbit/s) --- Flow 1 egress (mean 63.65 Mbit/s)

· Flow 1 (95th percentile 58.55 ms)

Run 10: Statistics of Copa

Start at: Mon, 17 Jul 2017 00:40:48 +0000
End at: Mon, 17 Jul 2017 00:41:18 +0000
Local clock offset: 0.536 ms
Remote clock offset: -5.521 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:17:52 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 58.251 ms
Loss rate: 2.57%
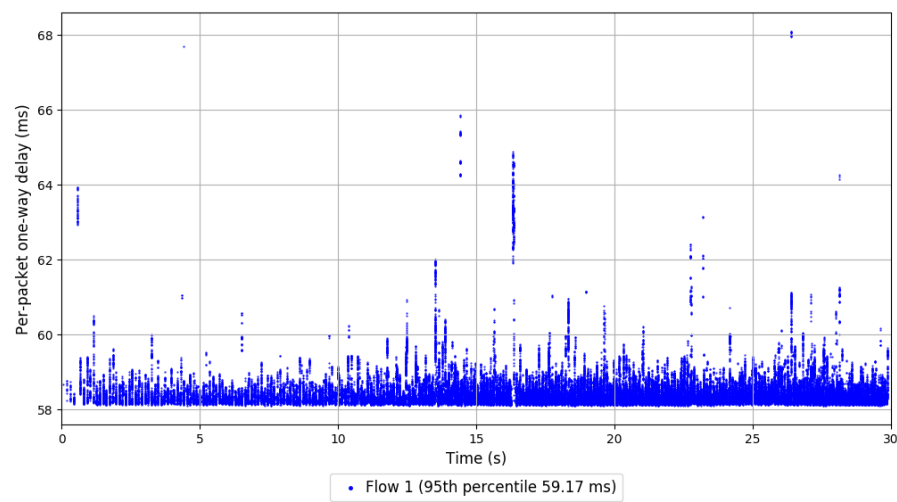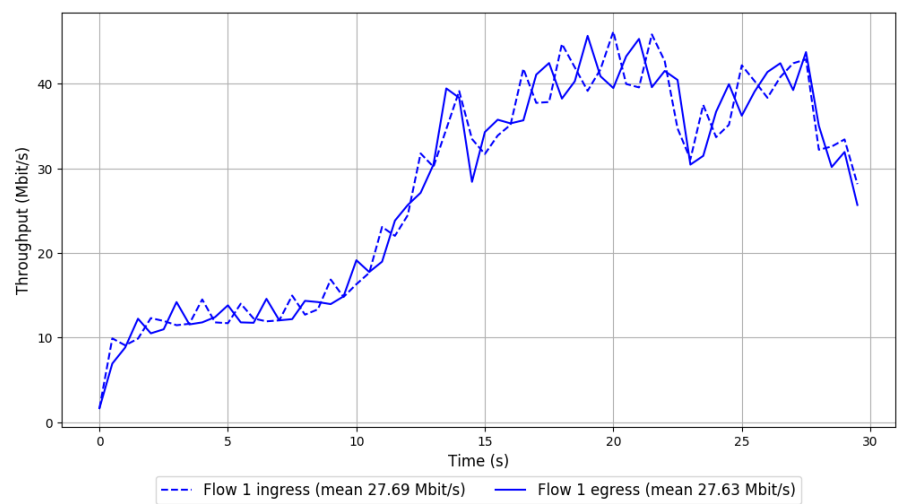-- Flow 1:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 58.251 ms
Loss rate: 2.57%

Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 44.91 Mbit/s) --- Flow 1 egress (mean 43.93 Mbit/s)

Flow 1 (95th percentile 58.25 ms)

```
Run 1: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 22:01:37 +0000
End at: Sun, 16 Jul 2017 22:02:07 +0000
Local clock offset: 0.3 ms
Remote clock offset: -5.975 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:17:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 59.168 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 27.63 Mbit/s
95th percentile per-packet one-way delay: 59.168 ms
Loss rate: 0.62%
```

Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 22:18:52 +0000
End at: Sun, 16 Jul 2017 22:19:22 +0000
Local clock offset: 0.284 ms
Remote clock offset: -6.388 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:17:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 59.134 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 36.19 Mbit/s
95th percentile per-packet one-way delay: 59.134 ms
Loss rate: 1.34%
```
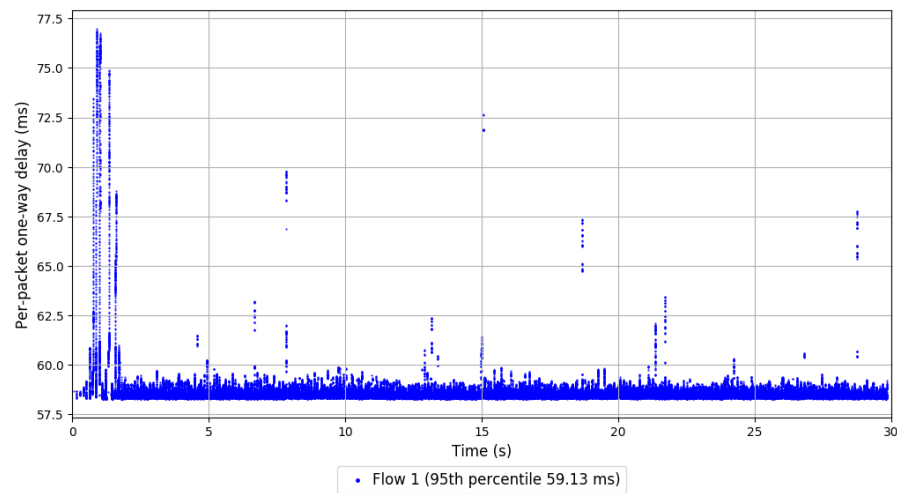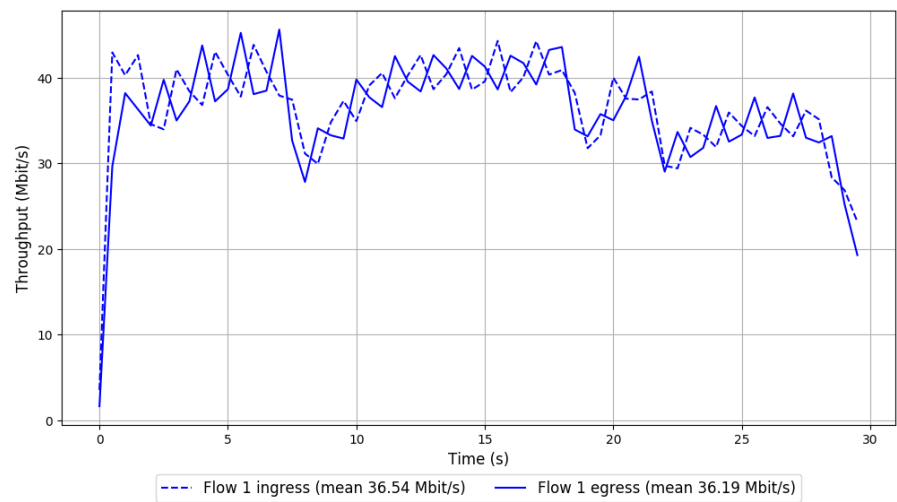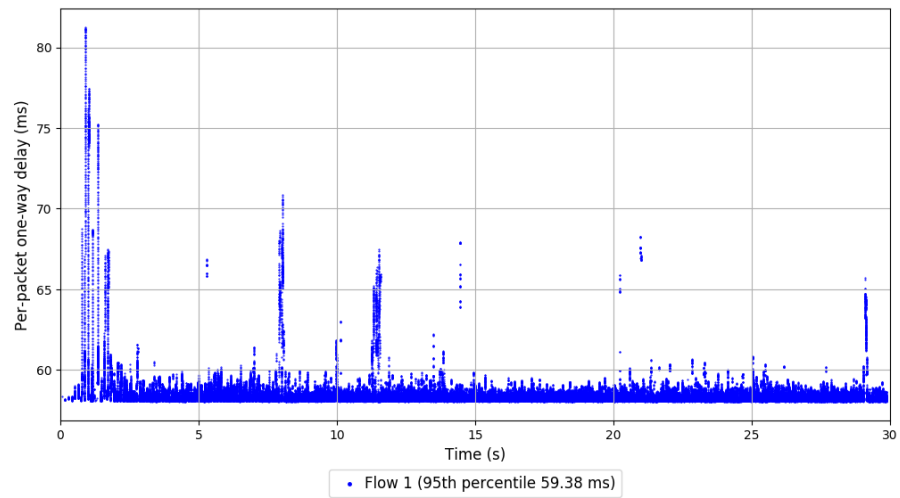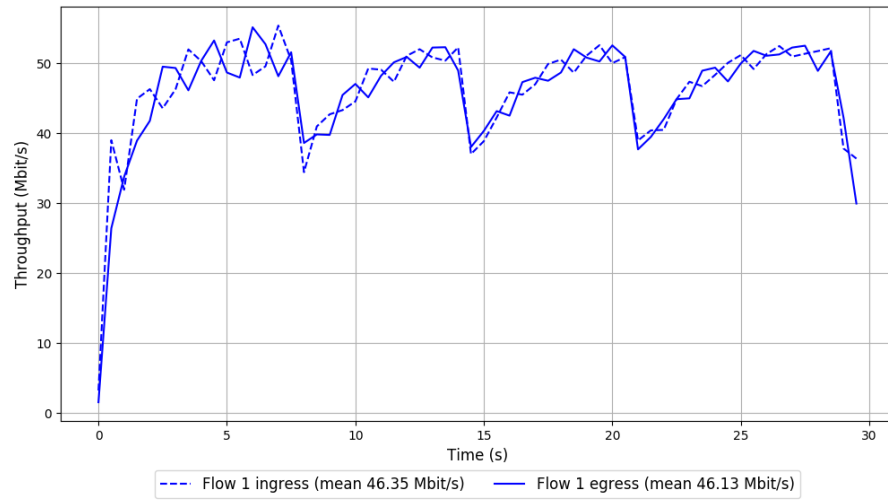
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 36.54 Mbit/s) --- Flow 1 egress (mean 36.19 Mbit/s)

Flow 1 (95th percentile 59.13 ms)

```
Run 3: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 22:36:24 +0000
End at: Sun, 16 Jul 2017 22:36:54 +0000
Local clock offset: 0.423 ms
Remote clock offset: -6.201 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:17:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 59.384 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 59.384 ms
Loss rate: 0.86%
```
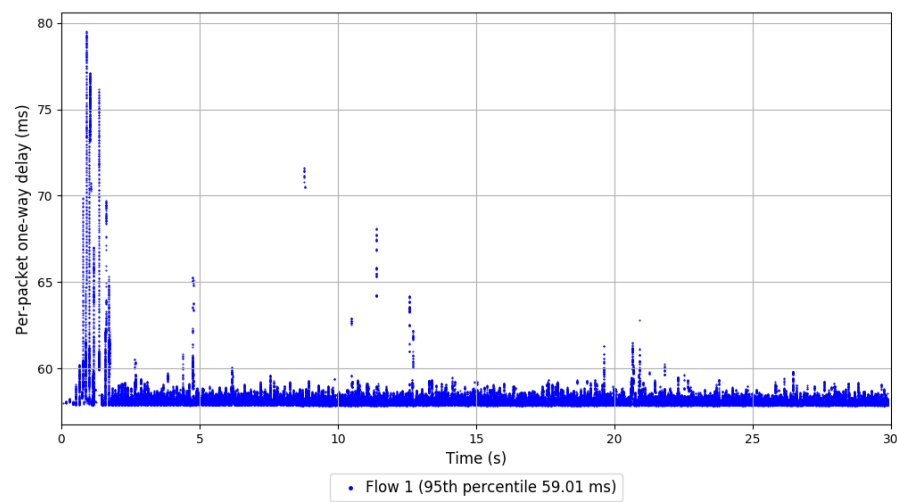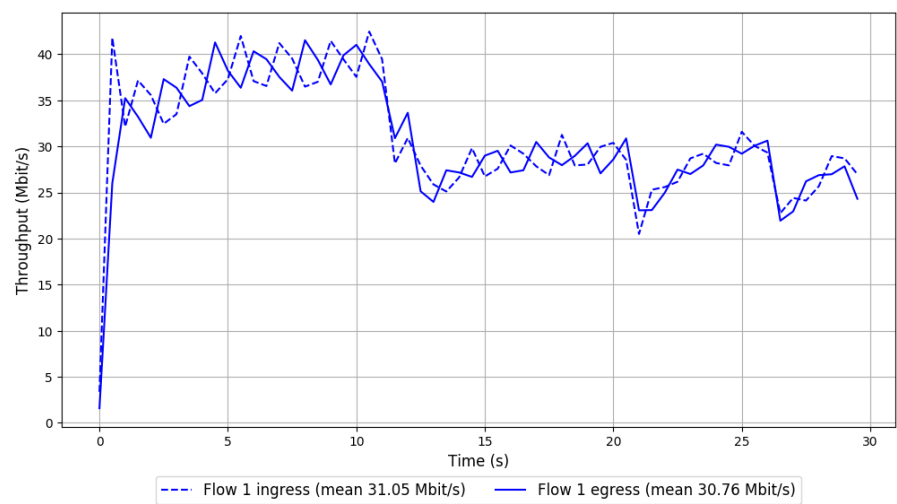
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 46.35 Mbit/s) --- Flow 1 egress (mean 46.13 Mbit/s)

Flow 1 (95th percentile 59.38 ms)

```
Run 4: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 22:53:47 +0000
End at: Sun, 16 Jul 2017 22:54:17 +0000
Local clock offset: 0.354 ms
Remote clock offset: -6.981 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 59.007 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 30.76 Mbit/s
95th percentile per-packet one-way delay: 59.007 ms
Loss rate: 1.31%
```
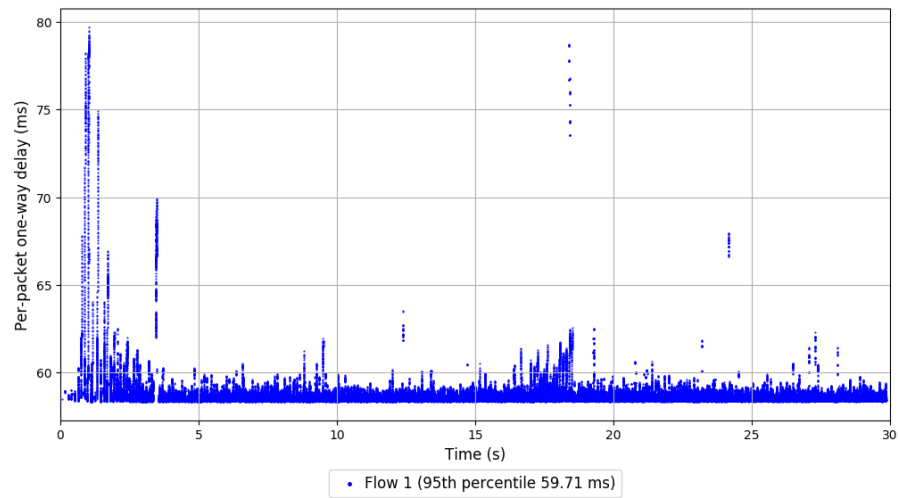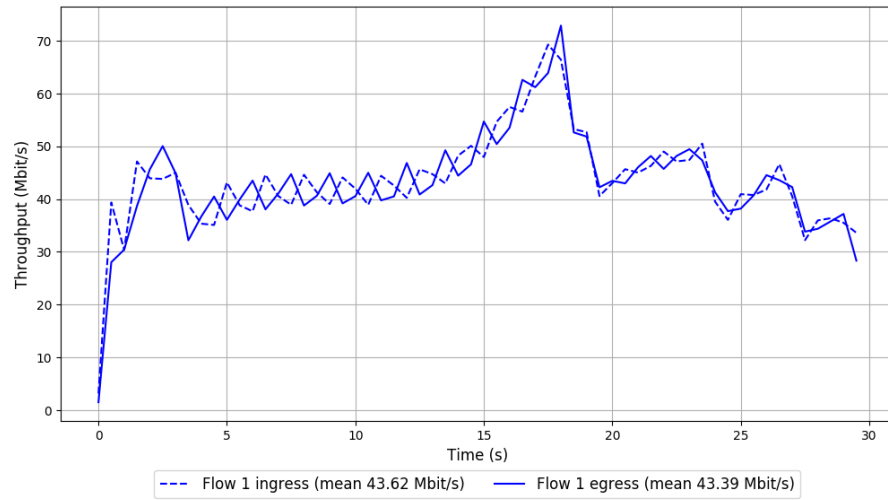
Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 31.05 Mbit/s) ---- Flow 1 egress (mean 30.76 Mbit/s) ——

• Flow 1 (95th percentile 59.01 ms)

```
Run 5: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 23:11:20 +0000
End at: Sun, 16 Jul 2017 23:11:50 +0000
Local clock offset: 0.386 ms
Remote clock offset: -7.06 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.39 Mbit/s
95th percentile per-packet one-way delay: 59.707 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 43.39 Mbit/s
95th percentile per-packet one-way delay: 59.707 ms
Loss rate: 0.92%
```

Run 5: Report of TCP Cubic — Data Link

```
Run 6: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 23:28:49 +0000
End at: Sun, 16 Jul 2017 23:29:19 +0000
Local clock offset: 0.498 ms
Remote clock offset: -6.552 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 60.750 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 60.750 ms
Loss rate: 0.83%
```
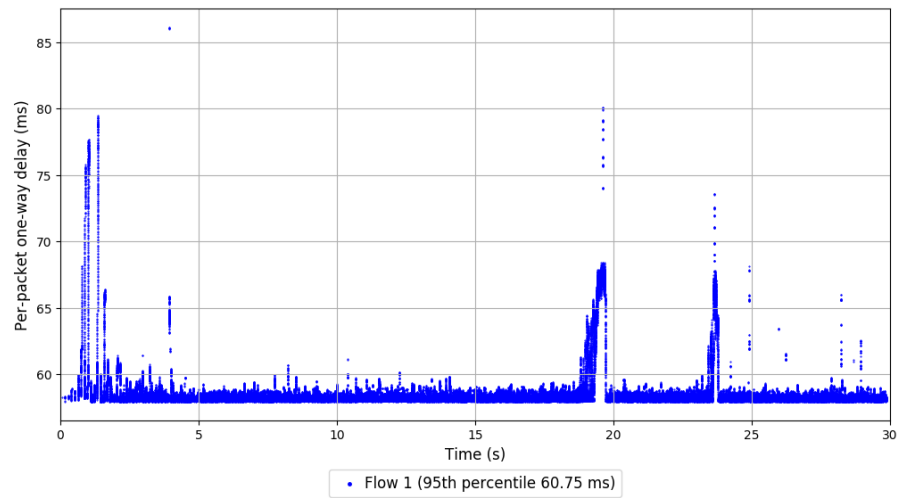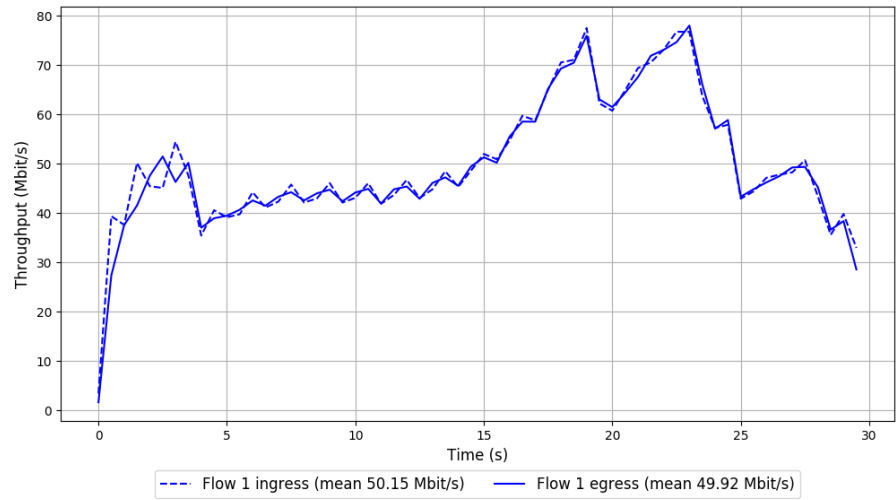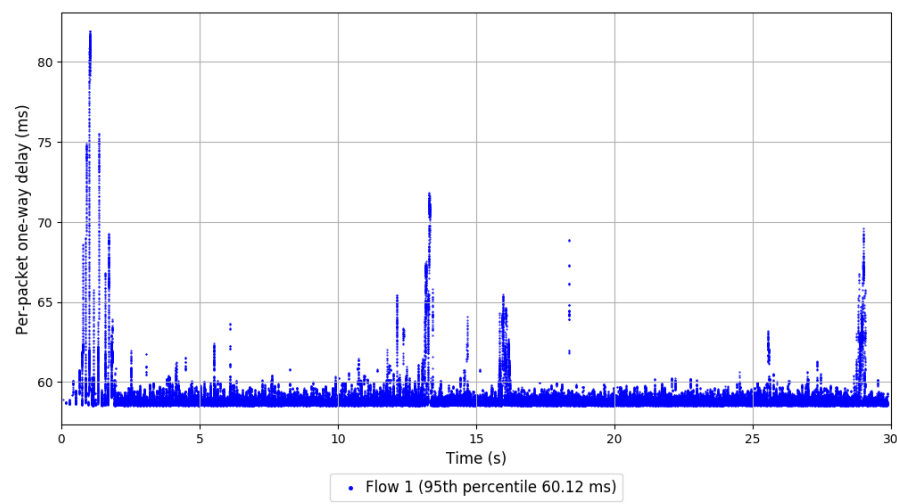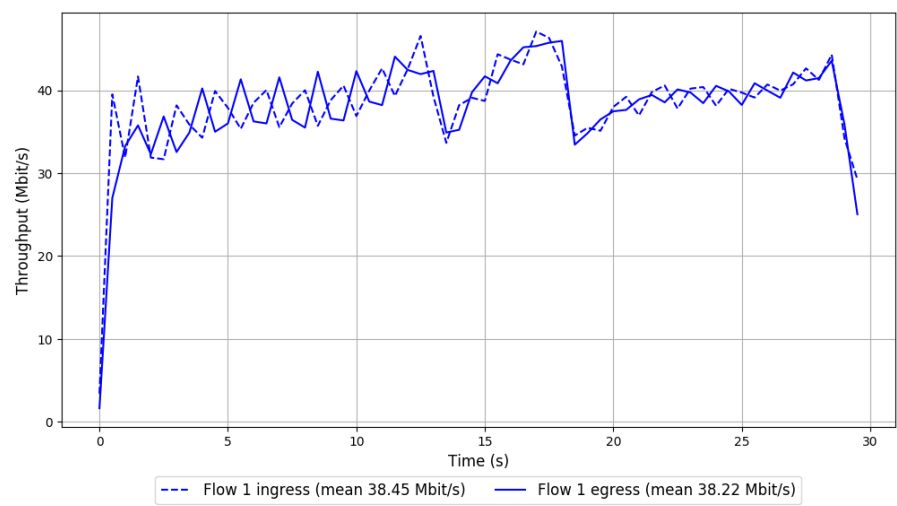
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 50.15 Mbit/s) —— Flow 1 egress (mean 49.92 Mbit/s)

• Flow 1 (95th percentile 60.75 ms)

```
Run 7: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 23:46:23 +0000
End at: Sun, 16 Jul 2017 23:46:53 +0000
Local clock offset: 0.573 ms
Remote clock offset: -7.105 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 60.125 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 38.22 Mbit/s
95th percentile per-packet one-way delay: 60.125 ms
Loss rate: 0.99%
```
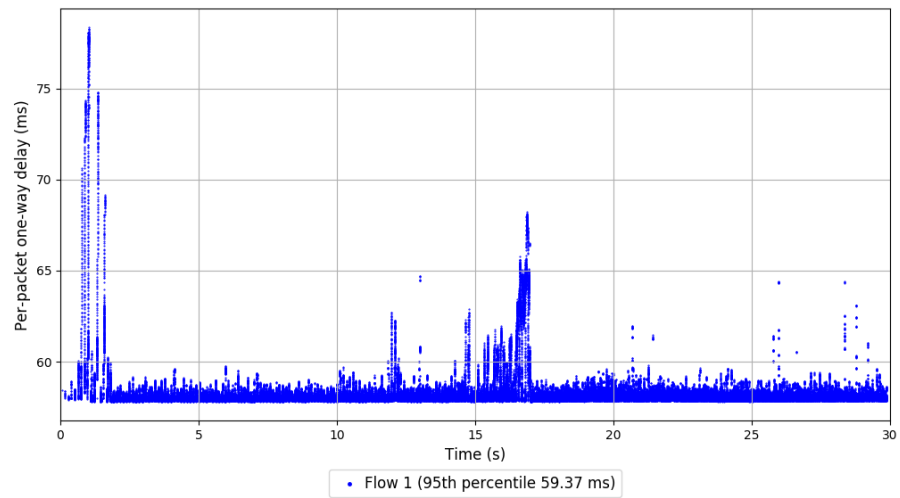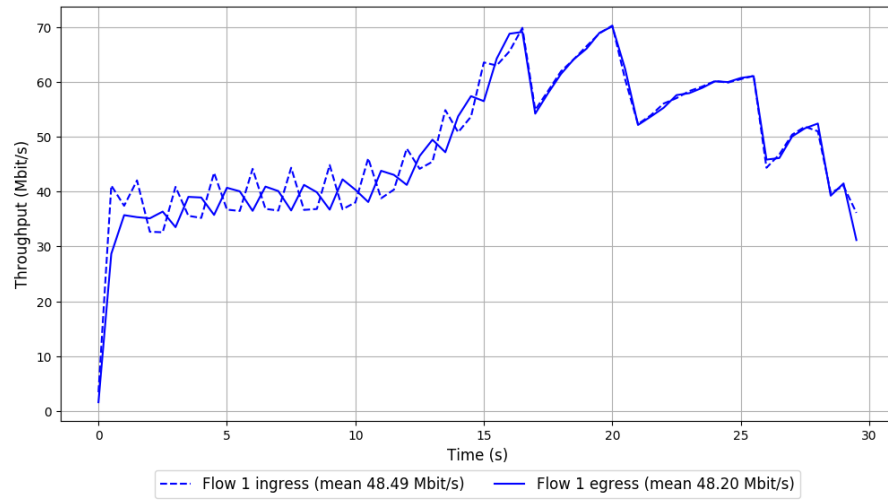
Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 38.45 Mbit/s) --- Flow 1 egress (mean 38.22 Mbit/s)

Flow 1 (95th percentile 60.12 ms)

```
Run 8: Statistics of TCP Cubic

Start at: Mon, 17 Jul 2017 00:03:41 +0000
End at: Mon, 17 Jul 2017 00:04:11 +0000
Local clock offset: 0.559 ms
Remote clock offset: -6.088 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 59.373 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 48.20 Mbit/s
95th percentile per-packet one-way delay: 59.373 ms
Loss rate: 0.93%
```
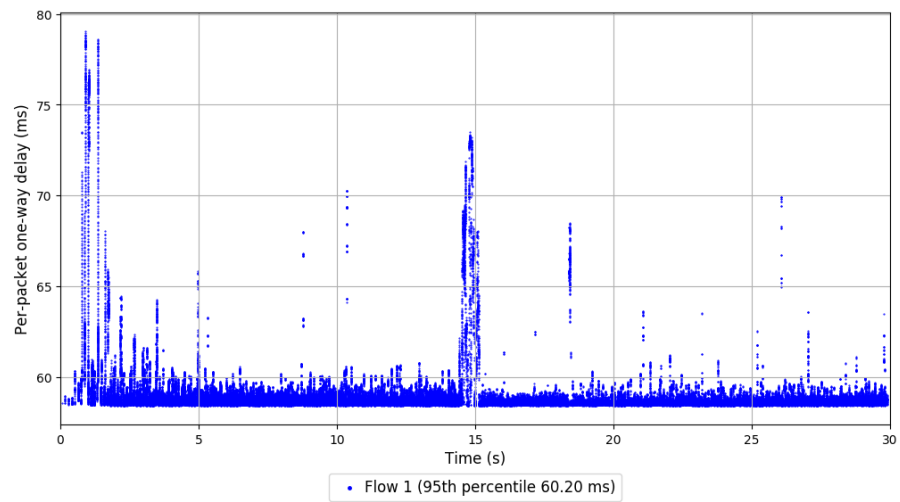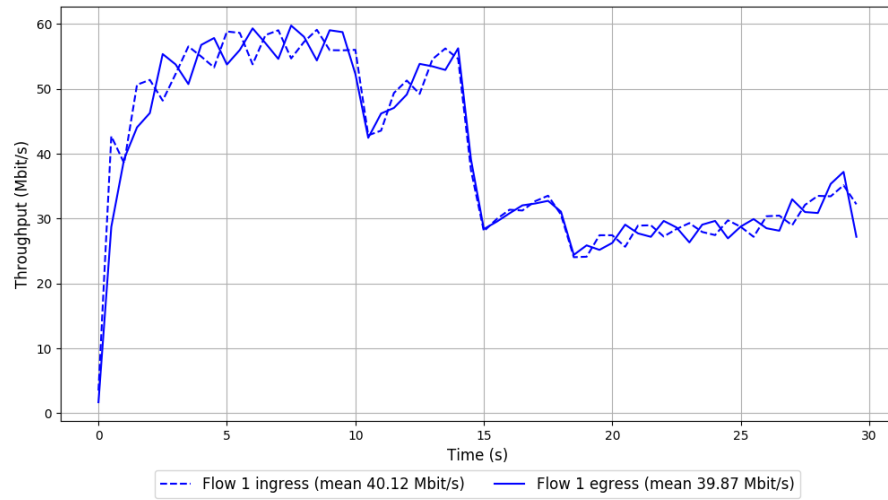
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 48.49 Mbit/s)   Flow 1 egress (mean 48.20 Mbit/s)

Flow 1 (95th percentile 59.37 ms)

```
Run 9: Statistics of TCP Cubic

Start at: Mon, 17 Jul 2017 00:21:05 +0000
End at: Mon, 17 Jul 2017 00:21:35 +0000
Local clock offset: 0.541 ms
Remote clock offset: -5.685 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 60.197 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 60.197 ms
Loss rate: 1.01%
```
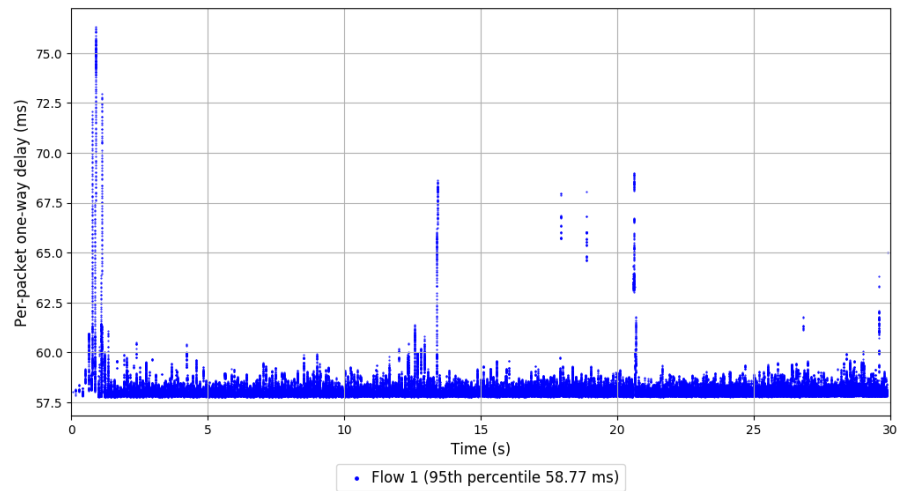
Run 9: Report of TCP Cubic — Data Link

```
Run 10: Statistics of TCP Cubic

Start at: Mon, 17 Jul 2017 00:38:33 +0000
End at: Mon, 17 Jul 2017 00:39:03 +0000
Local clock offset: 0.537 ms
Remote clock offset: -5.923 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 58.771 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 58.771 ms
Loss rate: 0.58%
```
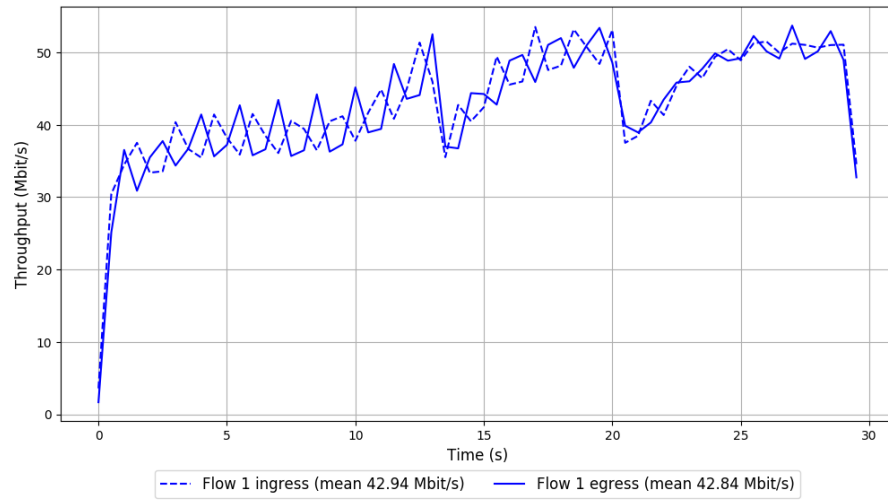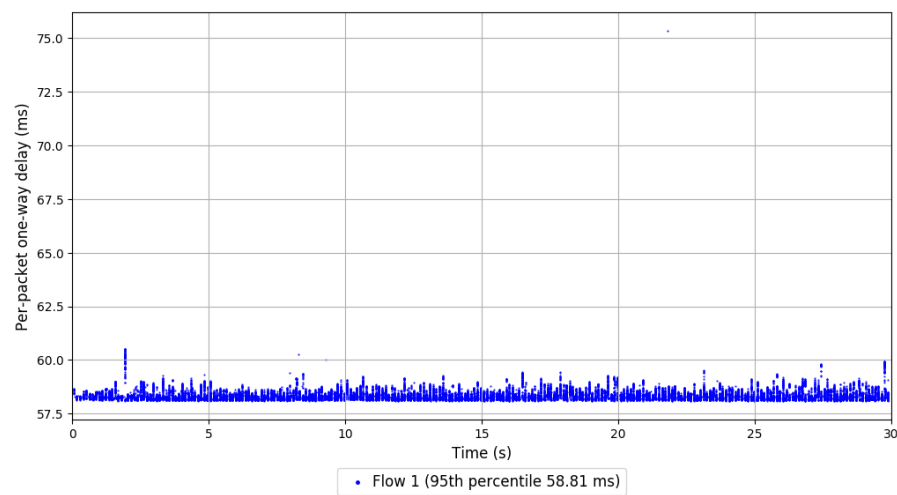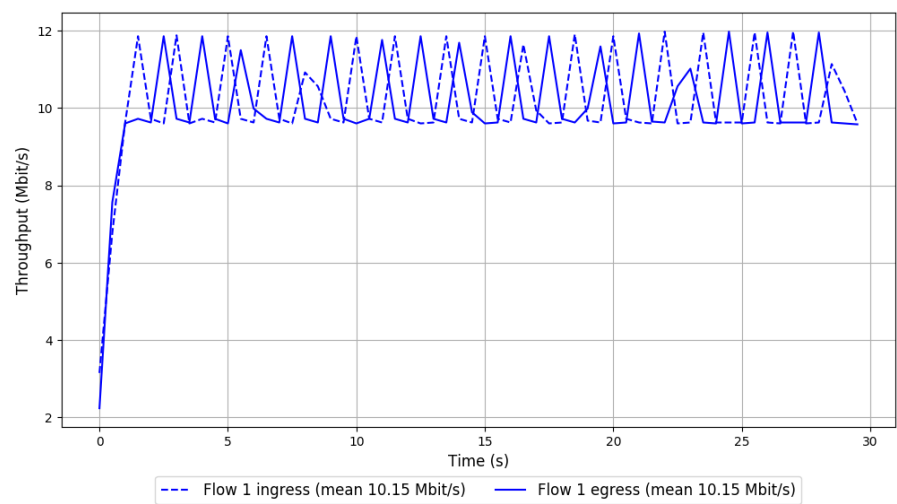
Run 10: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 42.94 Mbit/s) ----- Flow 1 egress (mean 42.84 Mbit/s)

Flow 1 (95th percentile 58.77 ms)

```
Run 1: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 22:08:31 +0000
End at: Sun, 16 Jul 2017 22:09:01 +0000
Local clock offset: 0.38 ms
Remote clock offset: -6.274 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 58.814 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 58.814 ms
Loss rate: 0.40%
```
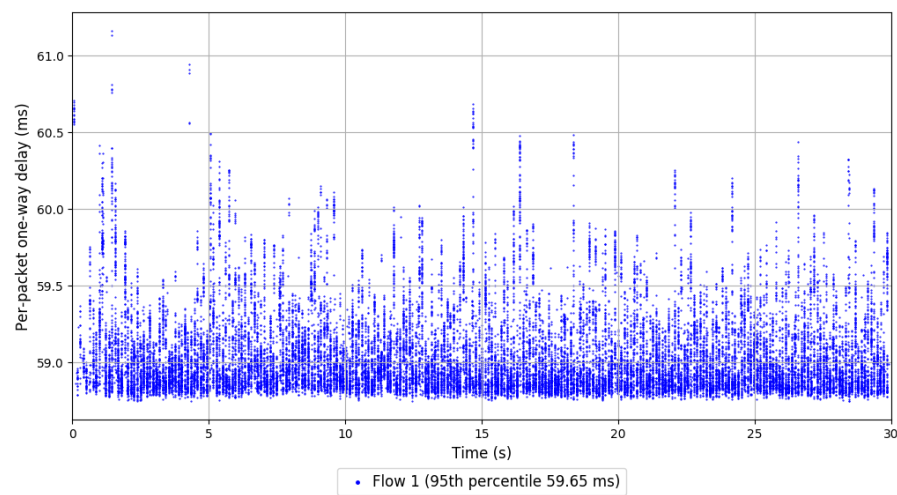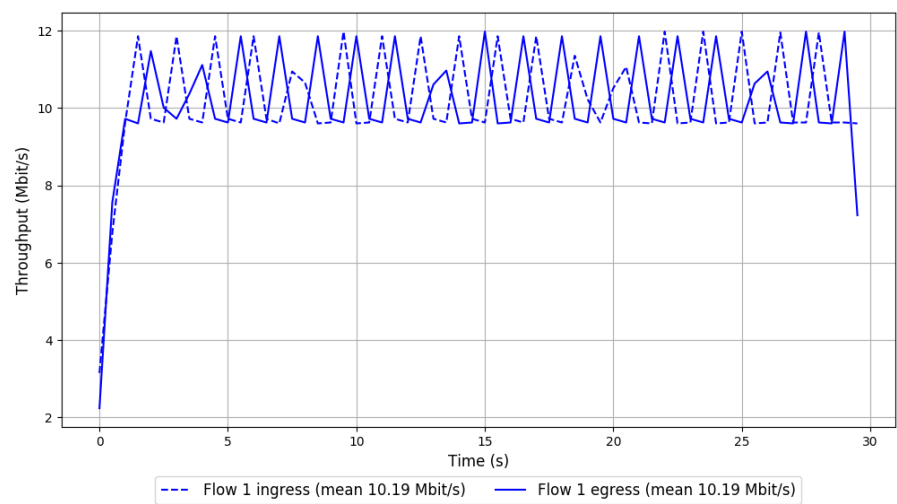
Run 1: Report of KohoCC — Data Link

```
Run 2: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 22:25:53 +0000
End at: Sun, 16 Jul 2017 22:26:23 +0000
Local clock offset: 0.357 ms
Remote clock offset: -6.259 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.19 Mbit/s
95th percentile per-packet one-way delay: 59.648 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 10.19 Mbit/s
95th percentile per-packet one-way delay: 59.648 ms
Loss rate: 0.39%
```
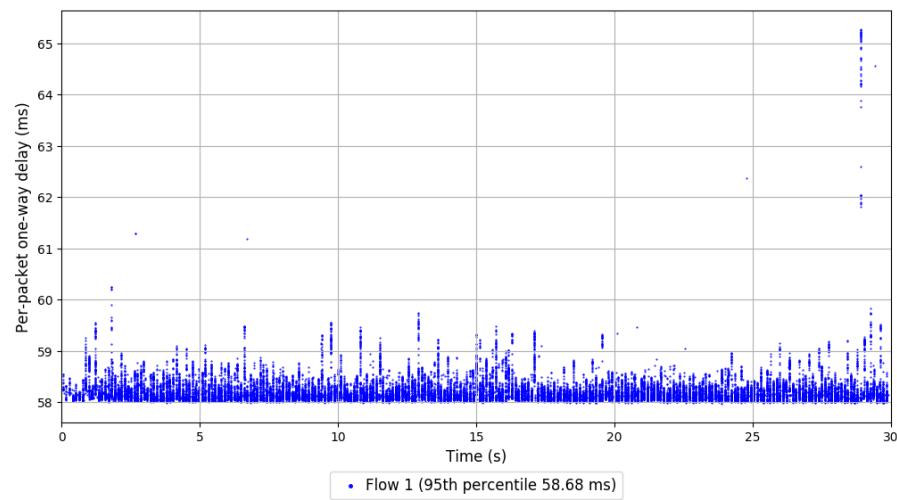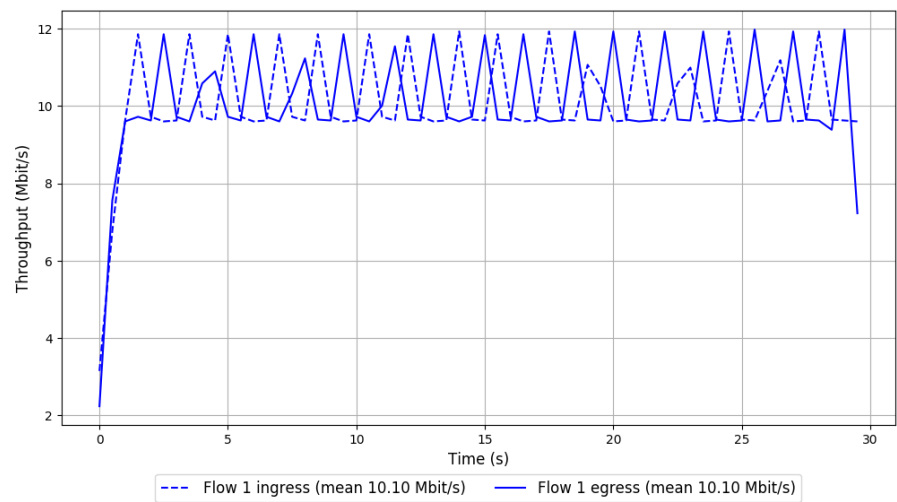
Run 2: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.19 Mbit/s)   Flow 1 egress (mean 10.19 Mbit/s)

Flow 1 (95th percentile 59.65 ms)

```
Run 3: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 22:43:24 +0000
End at: Sun, 16 Jul 2017 22:43:54 +0000
Local clock offset: 0.489 ms
Remote clock offset: -6.398 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 58.684 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 58.684 ms
Loss rate: 0.43%
```
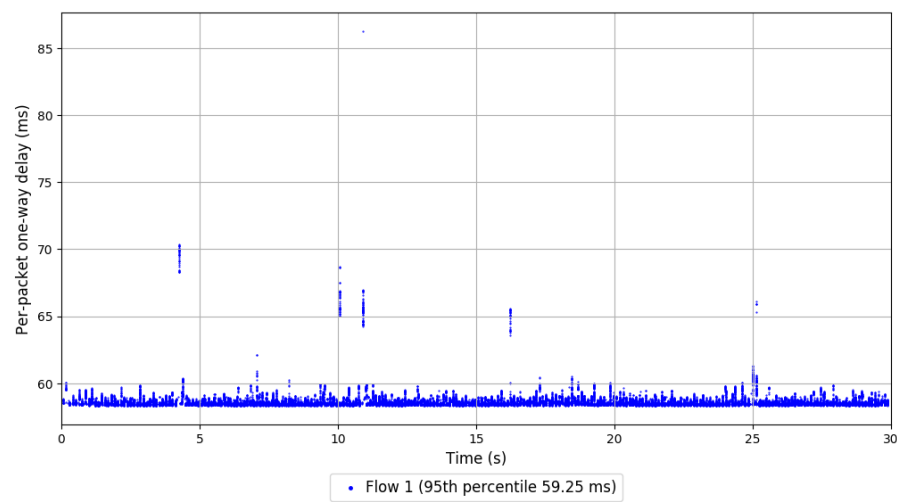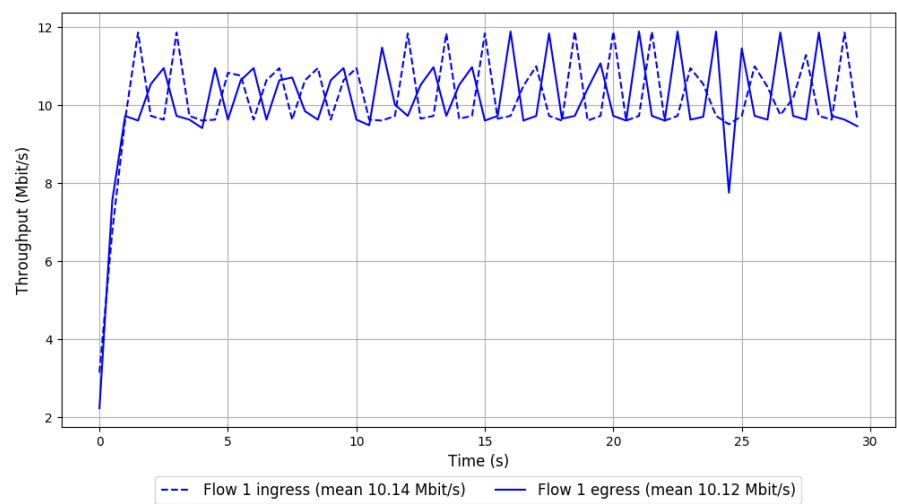
Run 3: Report of KohoCC — Data Link

```
Run 4: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 23:00:42 +0000
End at: Sun, 16 Jul 2017 23:01:12 +0000
Local clock offset: 0.373 ms
Remote clock offset: -7.149 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 59.252 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 10.12 Mbit/s
95th percentile per-packet one-way delay: 59.252 ms
Loss rate: 0.64%
```
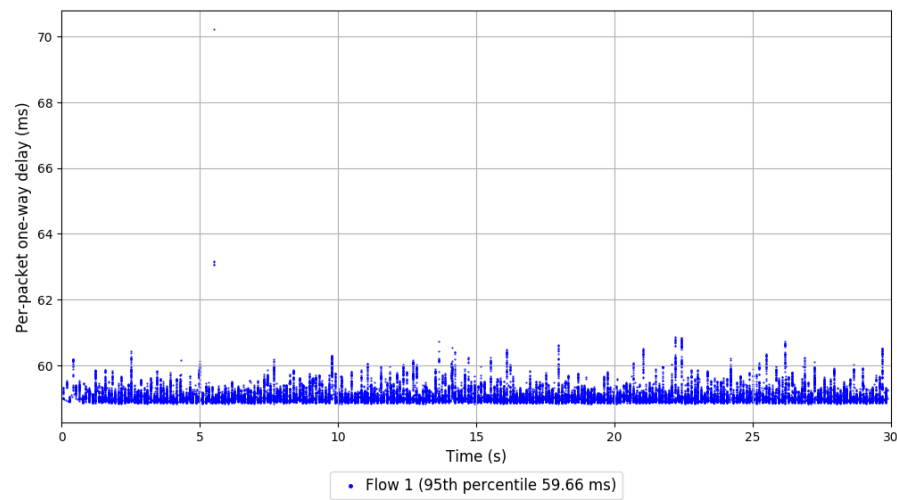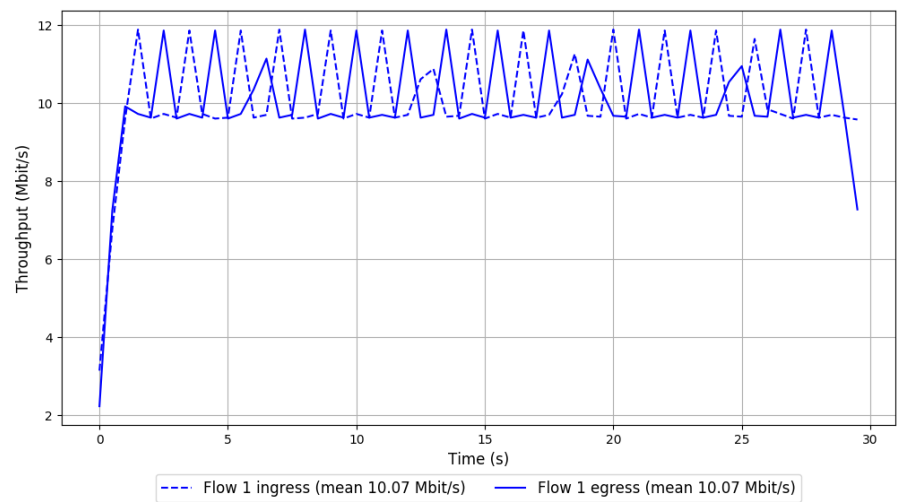
Run 4: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.14 Mbit/s) --- Flow 1 egress (mean 10.12 Mbit/s)

Flow 1 (95th percentile 59.25 ms)

```
Run 5: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 23:18:18 +0000
End at: Sun, 16 Jul 2017 23:18:48 +0000
Local clock offset: 0.462 ms
Remote clock offset: -6.983 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.07 Mbit/s
95th percentile per-packet one-way delay: 59.663 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 10.07 Mbit/s
95th percentile per-packet one-way delay: 59.663 ms
Loss rate: 0.40%
```
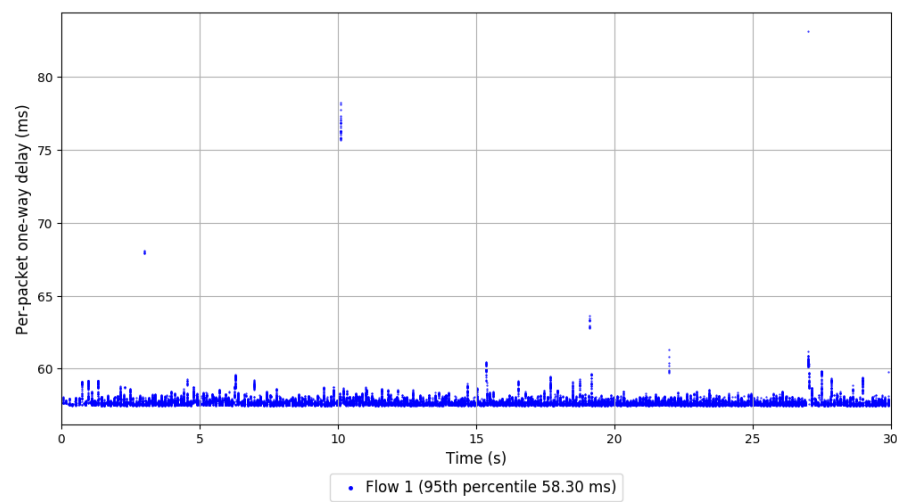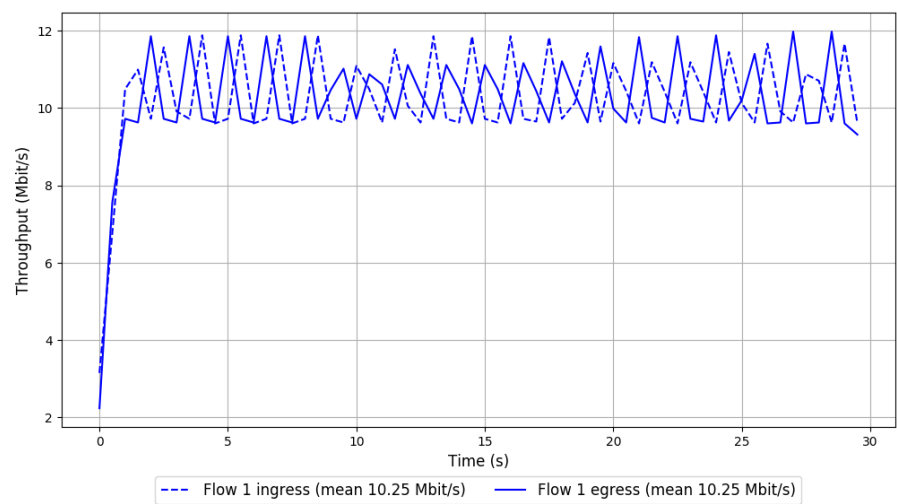
Run 5: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.07 Mbit/s) ----- Flow 1 egress (mean 10.07 Mbit/s) ———

Flow 1 (95th percentile 59.66 ms)

```
Run 6: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 23:35:56 +0000
End at: Sun, 16 Jul 2017 23:36:26 +0000
Local clock offset: 0.569 ms
Remote clock offset: -6.399 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 58.297 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 10.25 Mbit/s
95th percentile per-packet one-way delay: 58.297 ms
Loss rate: 0.39%
```
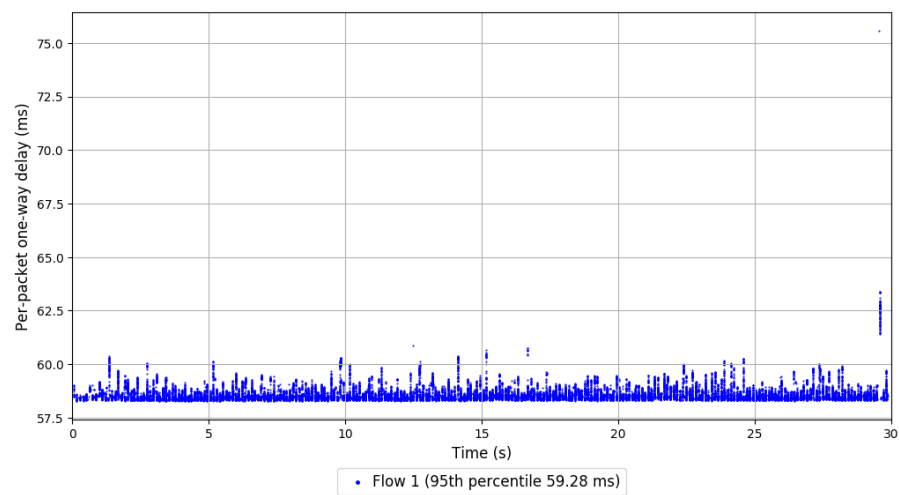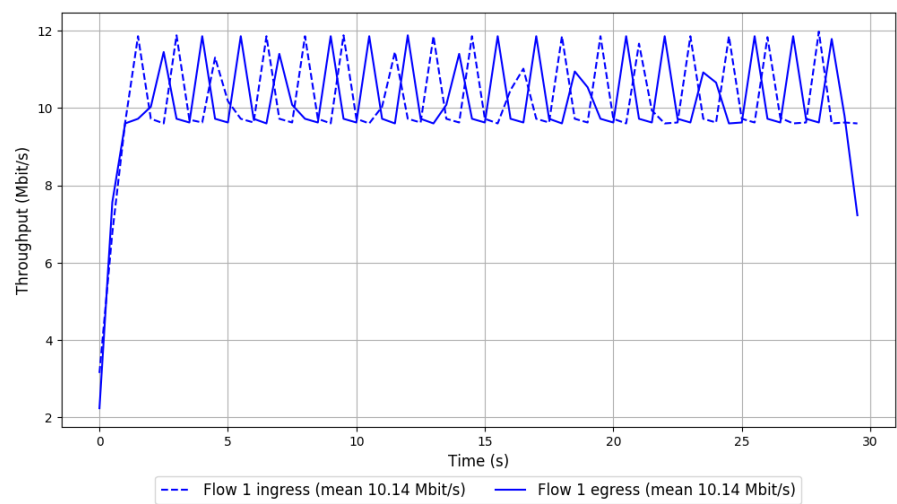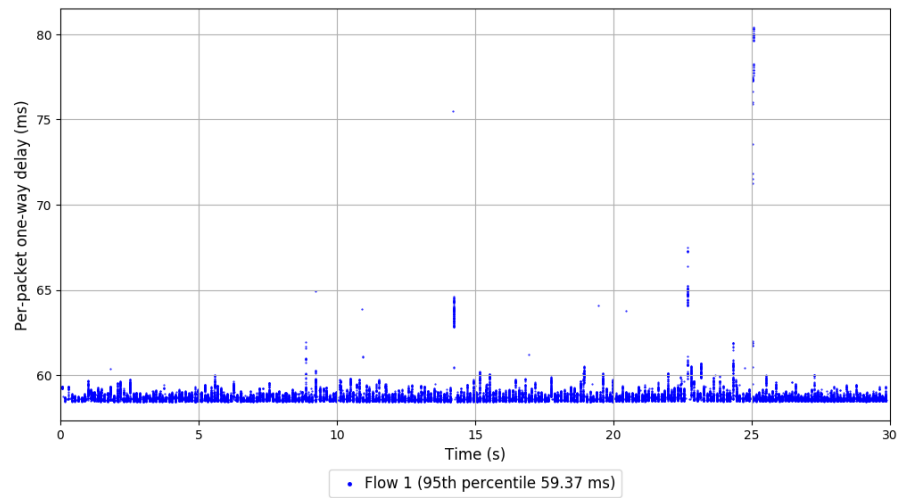
Run 6: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.25 Mbit/s) ---   Flow 1 egress (mean 10.25 Mbit/s) ——

Flow 1 (95th percentile 58.30 ms)

```
Run 7: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 23:53:24 +0000
End at: Sun, 16 Jul 2017 23:53:54 +0000
Local clock offset: 0.427 ms
Remote clock offset: -6.609 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 59.278 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 10.14 Mbit/s
95th percentile per-packet one-way delay: 59.278 ms
Loss rate: 0.40%
```
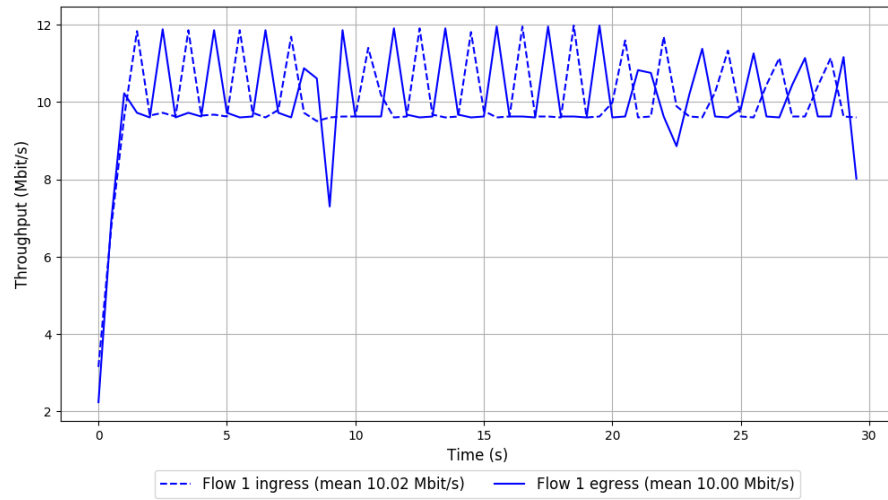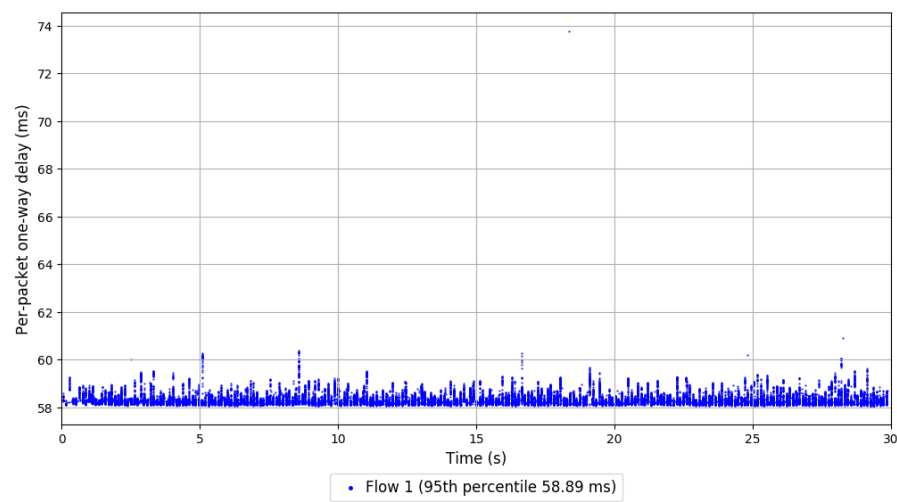
Run 7: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.14 Mbit/s) --- Flow 1 egress (mean 10.14 Mbit/s)

Flow 1 (95th percentile 59.28 ms)

```
Run 8: Statistics of KohoCC

Start at: Mon, 17 Jul 2017 00:10:39 +0000
End at: Mon, 17 Jul 2017 00:11:09 +0000
Local clock offset: 0.572 ms
Remote clock offset: -5.872 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.00 Mbit/s
95th percentile per-packet one-way delay: 59.374 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 10.00 Mbit/s
95th percentile per-packet one-way delay: 59.374 ms
Loss rate: 0.62%
```
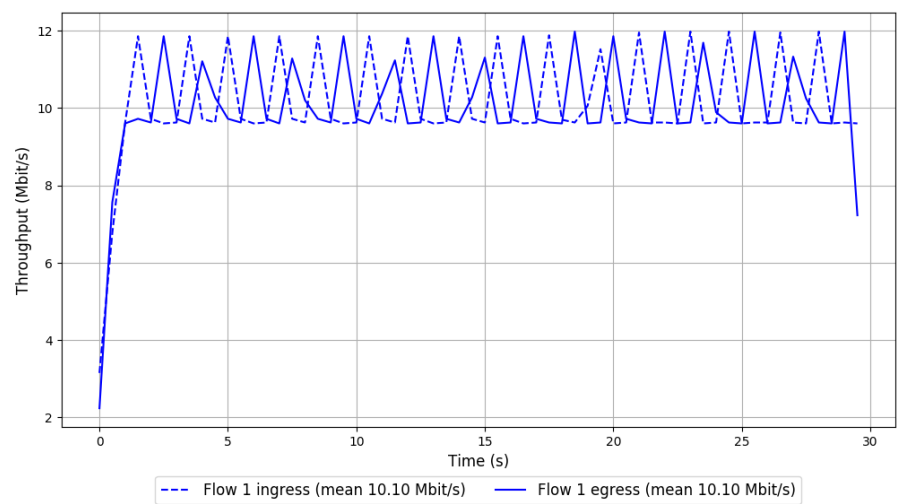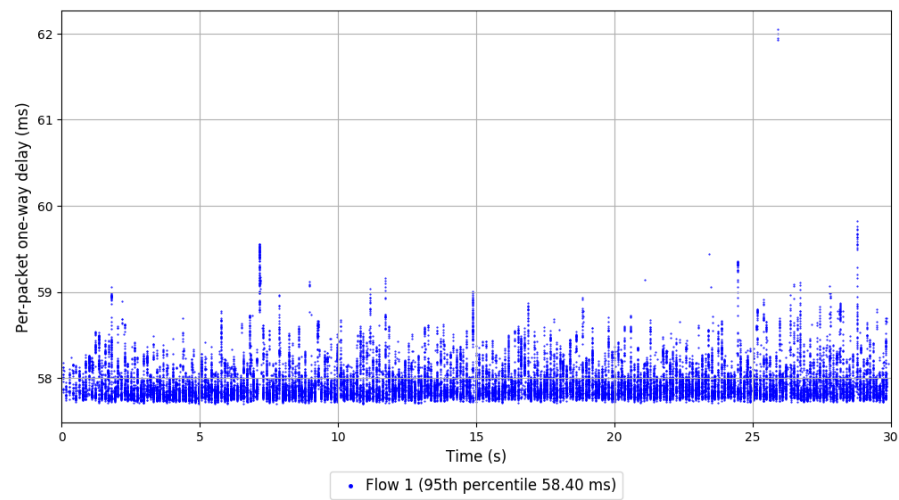
Run 8: Report of KohoCC — Data Link

```
Run 9: Statistics of KohoCC

Start at: Mon, 17 Jul 2017 00:28:05 +0000
End at: Mon, 17 Jul 2017 00:28:35 +0000
Local clock offset: 0.47 ms
Remote clock offset: -5.974 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 58.887 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 58.887 ms
Loss rate: 0.40%
```
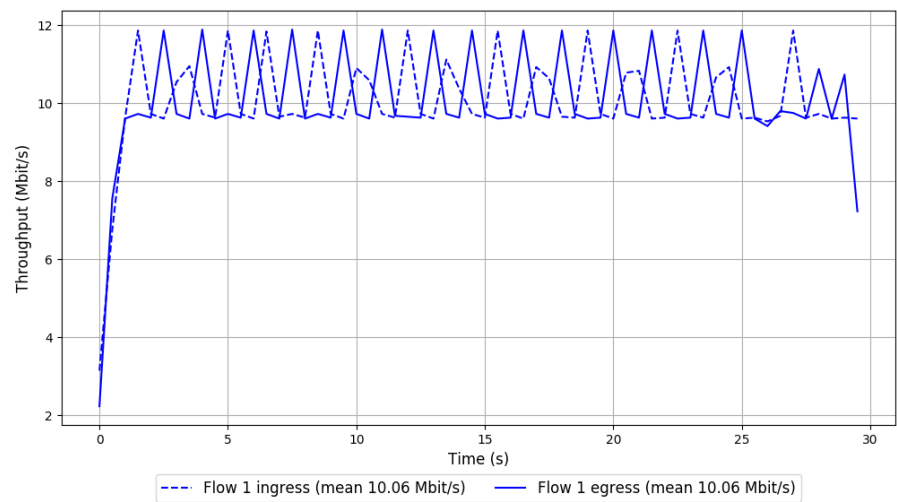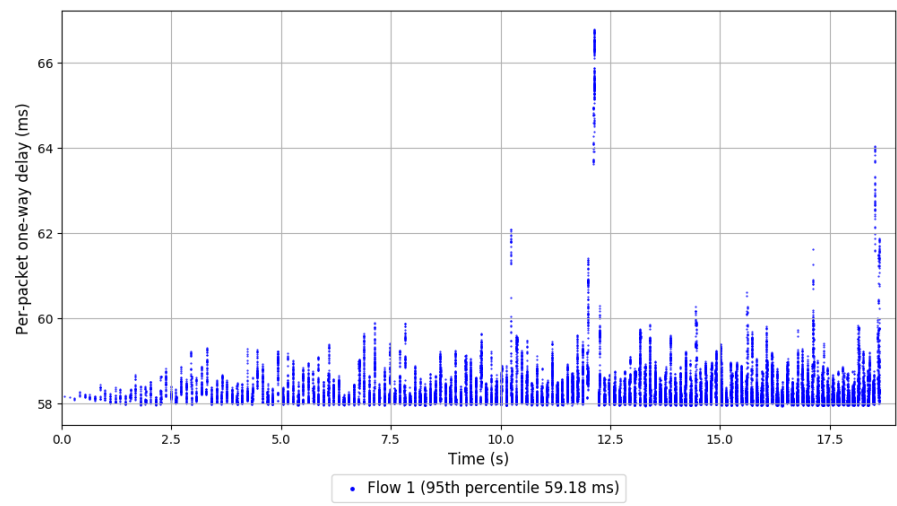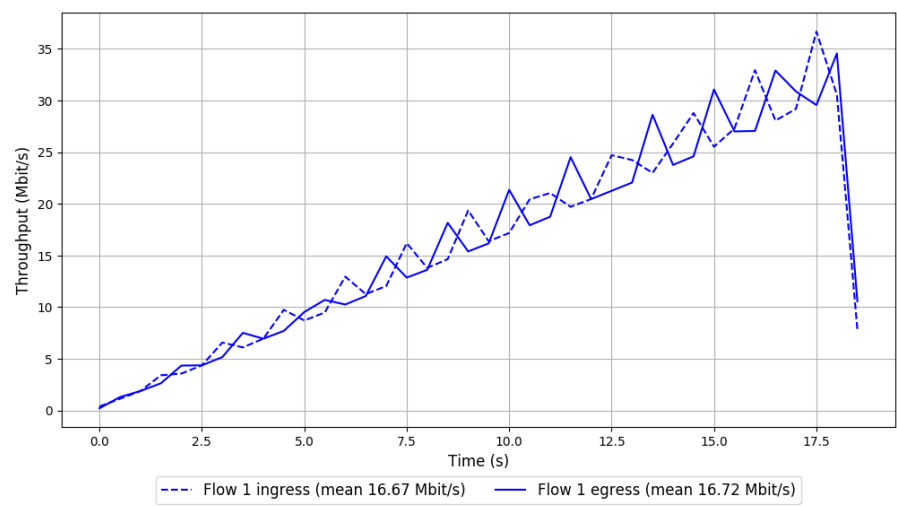
Run 9: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.10 Mbit/s)   Flow 1 egress (mean 10.10 Mbit/s)

Flow 1 (95th percentile 58.89 ms)

```
Run 10: Statistics of KohoCC

Start at: Mon, 17 Jul 2017 00:45:27 +0000
End at: Mon, 17 Jul 2017 00:45:57 +0000
Local clock offset: 0.56 ms
Remote clock offset: -5.563 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 58.400 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 58.400 ms
Loss rate: 0.40%
```
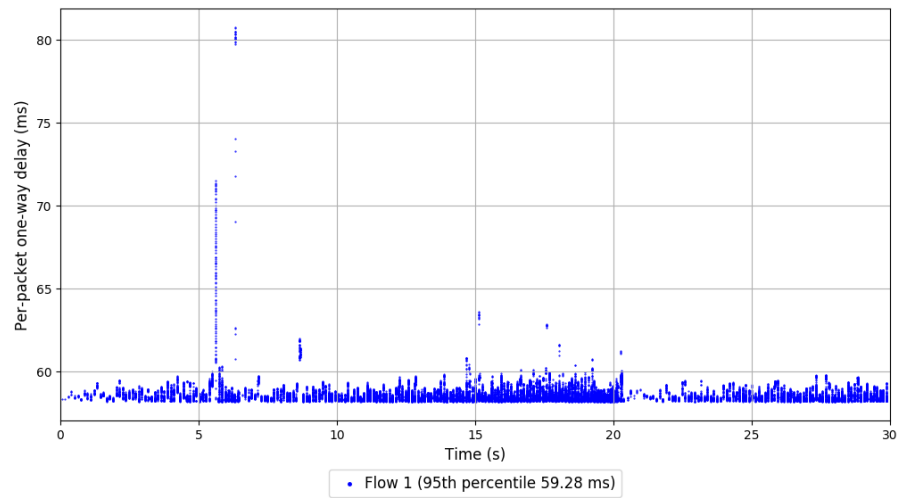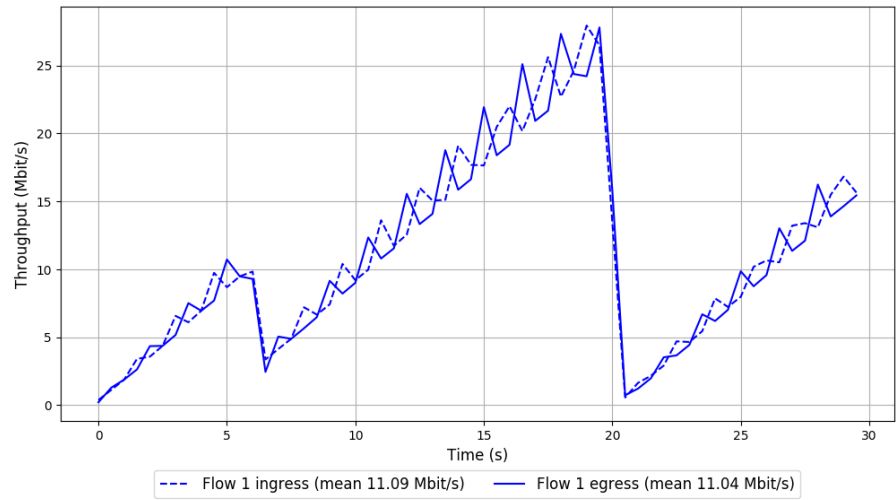
Run 10: Report of KohoCC — Data Link

Flow 1 ingress (mean 10.06 Mbit/s)   Flow 1 egress (mean 10.06 Mbit/s)

Flow 1 (95th percentile 58.40 ms)
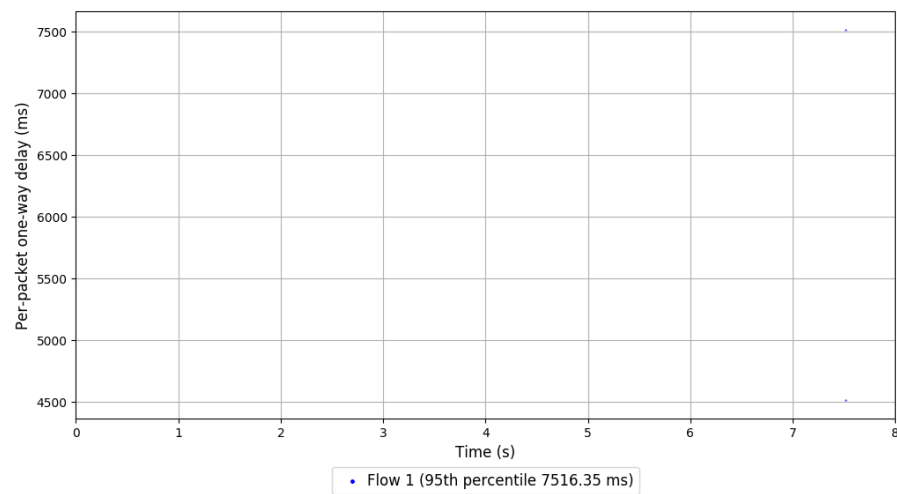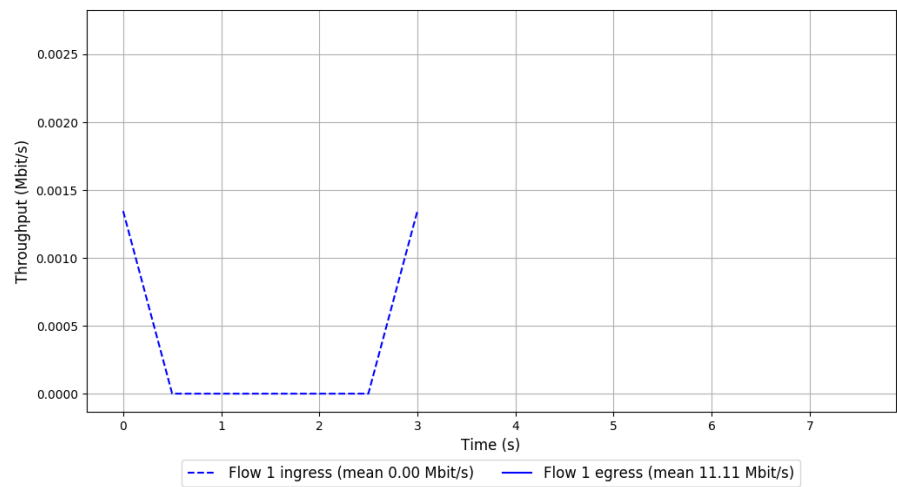
Run 1: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 22:00:30 +0000
End at: Sun, 16 Jul 2017 22:01:00 +0000
Local clock offset: 0.284 ms
Remote clock offset: -6.038 ms

Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 22:17:44 +0000
End at: Sun, 16 Jul 2017 22:18:14 +0000
Local clock offset: 0.327 ms
Remote clock offset: -6.187 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 59.284 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 11.04 Mbit/s
95th percentile per-packet one-way delay: 59.284 ms
Loss rate: 0.84%
```

Run 2: Report of LEDBAT — Data Link

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Run 3: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 22:35:18 +0000
End at: Sun, 16 Jul 2017 22:35:48 +0000
Local clock offset: 0.366 ms
Remote clock offset: -6.145 ms

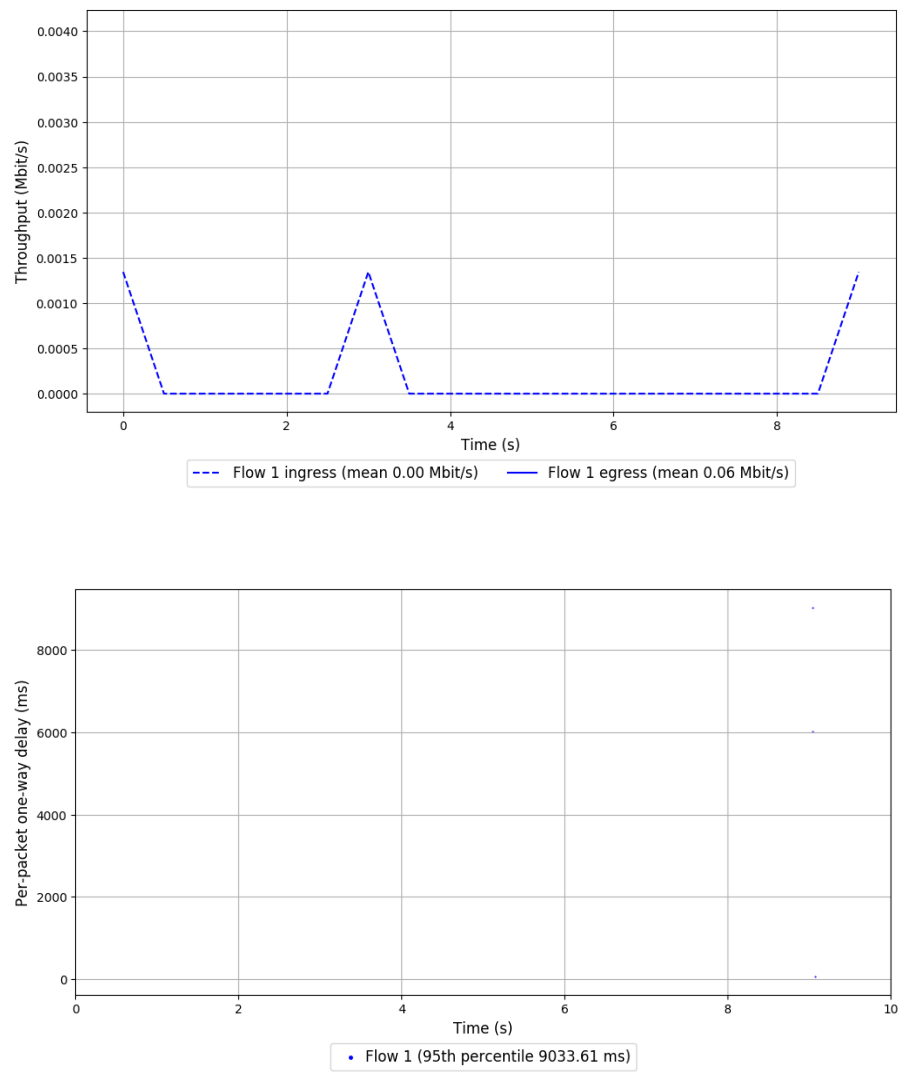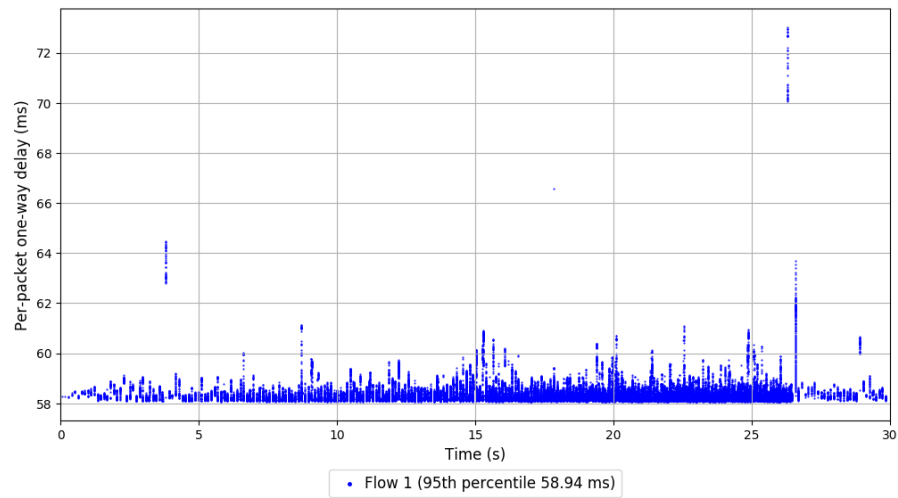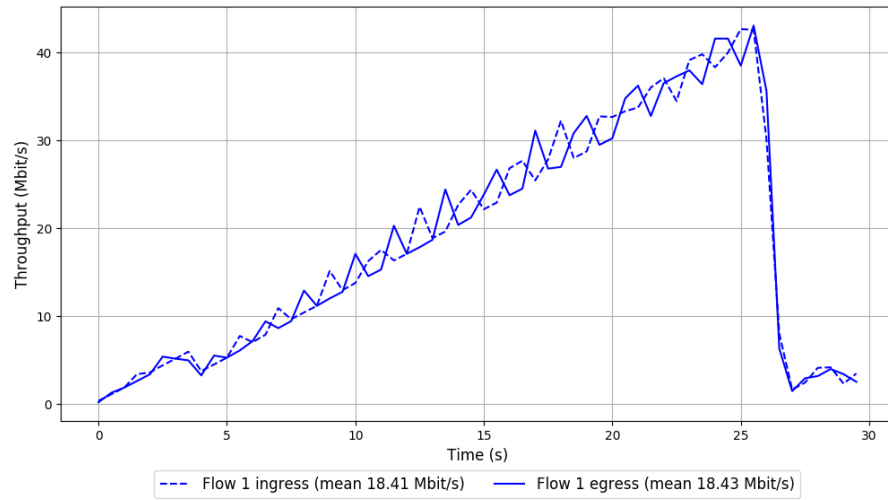## Run 3: Report of LEDBAT — Data Link

Run 4: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 22:52:41 +0000
End at: Sun, 16 Jul 2017 22:53:11 +0000
Local clock offset: 0.341 ms
Remote clock offset: -6.948 ms

Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 23:10:12 +0000
End at: Sun, 16 Jul 2017 23:10:42 +0000
Local clock offset: 0.366 ms
Remote clock offset: -6.794 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.43 Mbit/s
95th percentile per-packet one-way delay: 58.939 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 18.43 Mbit/s
95th percentile per-packet one-way delay: 58.939 ms
Loss rate: 0.31%
```

Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 23:27:41 +0000
End at: Sun, 16 Jul 2017 23:28:11 +0000
Local clock offset: 0.492 ms
Remote clock offset: -6.993 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.14 Mbit/s
95th percentile per-packet one-way delay: 59.772 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 26.14 Mbit/s
95th percentile per-packet one-way delay: 59.772 ms
Loss rate: 0.78%
```
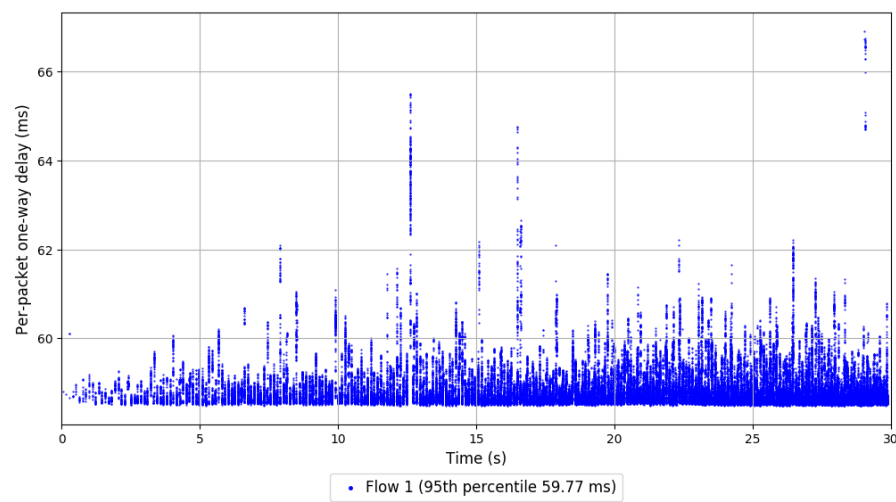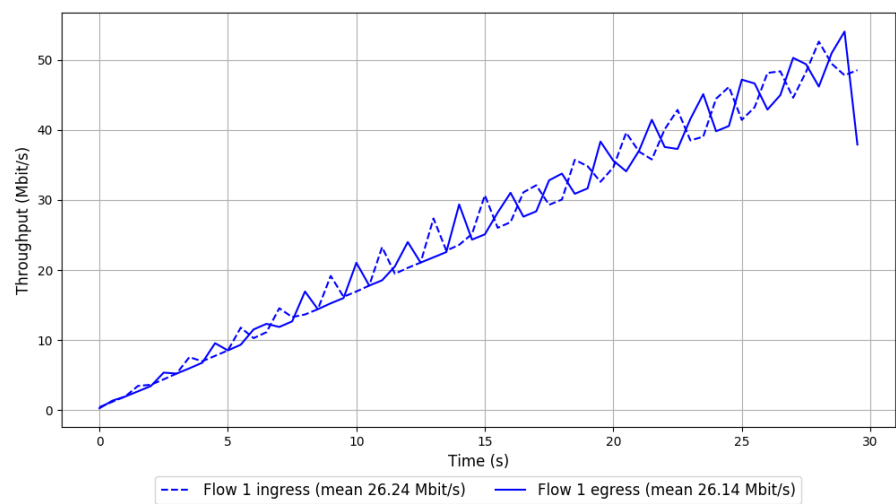
Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 23:45:15 +0000
End at: Sun, 16 Jul 2017 23:45:45 +0000
Local clock offset: 0.533 ms
Remote clock offset: -6.848 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.21 Mbit/s
95th percentile per-packet one-way delay: 58.765 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 17.21 Mbit/s
95th percentile per-packet one-way delay: 58.765 ms
Loss rate: 0.35%
```
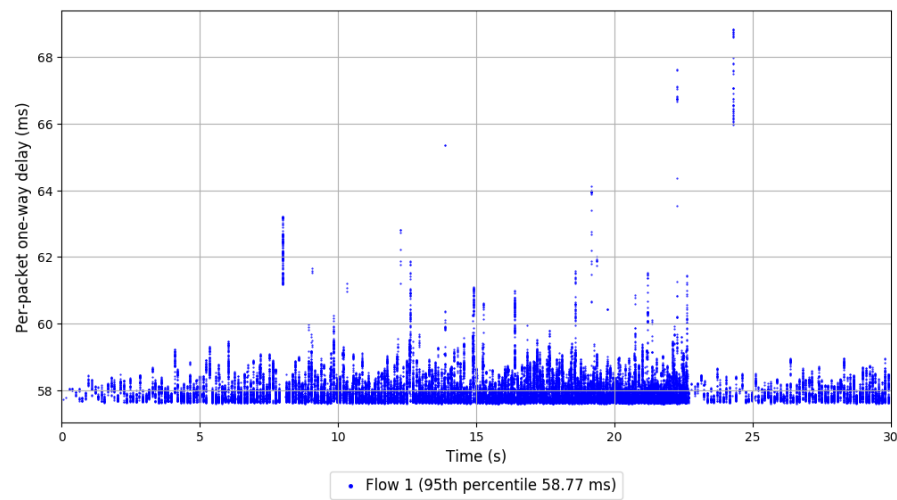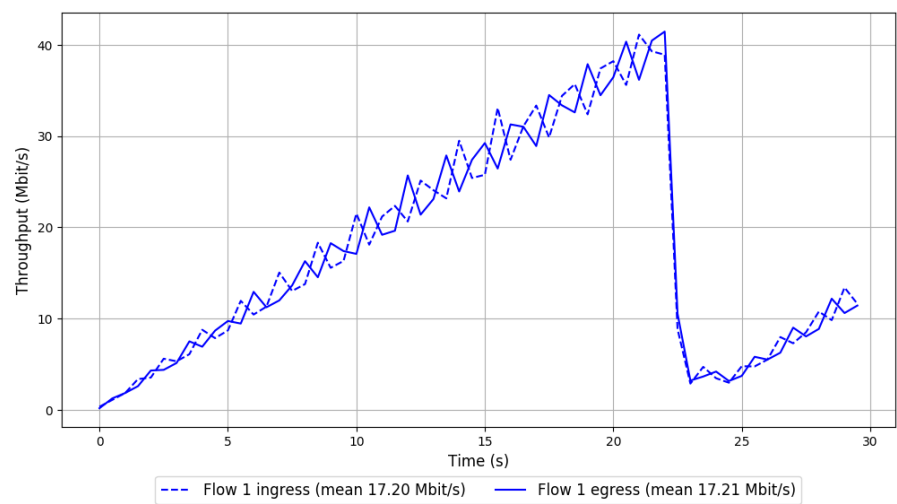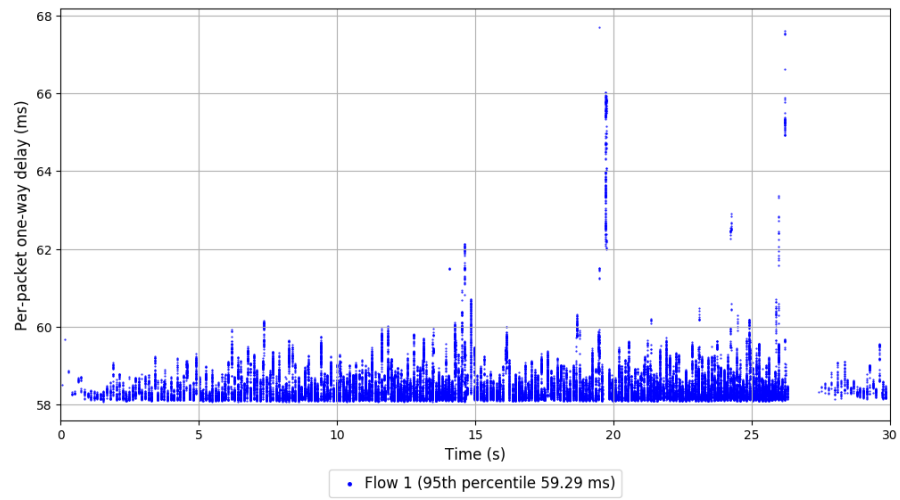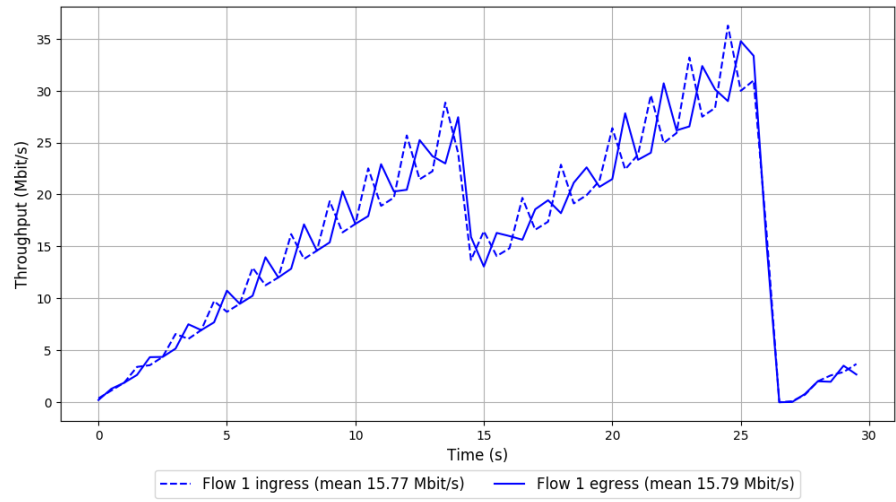
Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 17.20 Mbit/s) --- Flow 1 egress (mean 17.21 Mbit/s)

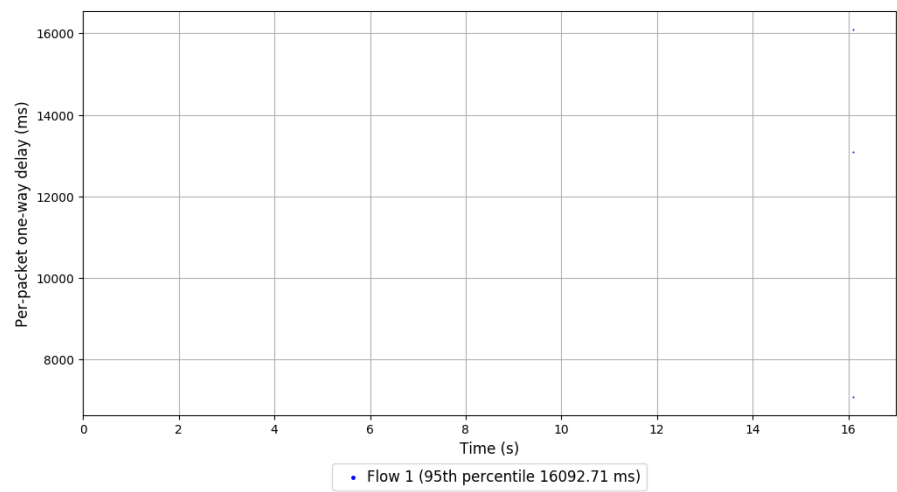Flow 1 (95th percentile 58.77 ms)

```
Run 8: Statistics of LEDBAT

Start at: Mon, 17 Jul 2017 00:02:33 +0000
End at: Mon, 17 Jul 2017 00:03:03 +0000
Local clock offset: 0.518 ms
Remote clock offset: -6.511 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.79 Mbit/s
95th percentile per-packet one-way delay: 59.289 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 15.79 Mbit/s
95th percentile per-packet one-way delay: 59.289 ms
Loss rate: 0.27%
```

Run 8: Report of LEDBAT — Data Link
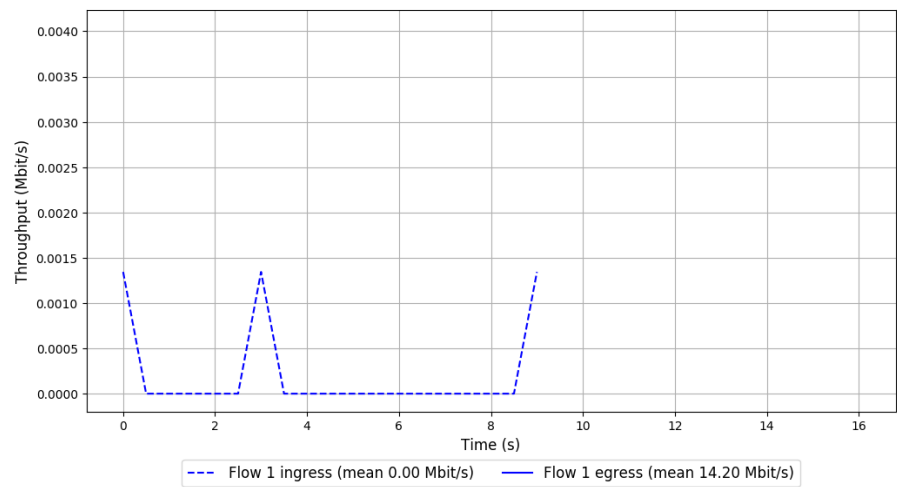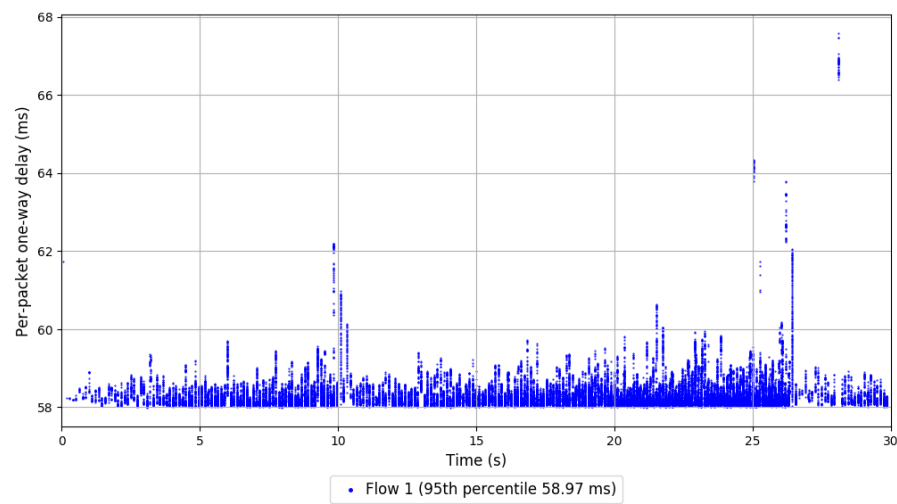
Run 9: Statistics of LEDBAT

Start at: Mon, 17 Jul 2017 00:19:59 +0000
End at: Mon, 17 Jul 2017 00:20:29 +0000
Local clock offset: 0.553 ms
Remote clock offset: -5.274 ms

Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 0.00 Mbit/s) --- Flow 1 egress (mean 14.20 Mbit/s)

Flow 1 (95th percentile 16092.71 ms)

```
Run 10: Statistics of LEDBAT

Start at: Mon, 17 Jul 2017 00:37:25 +0000
End at: Mon, 17 Jul 2017 00:37:55 +0000
Local clock offset: 0.477 ms
Remote clock offset: -6.285 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 58.973 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 14.01 Mbit/s
95th percentile per-packet one-way delay: 58.973 ms
Loss rate: 0.37%
```
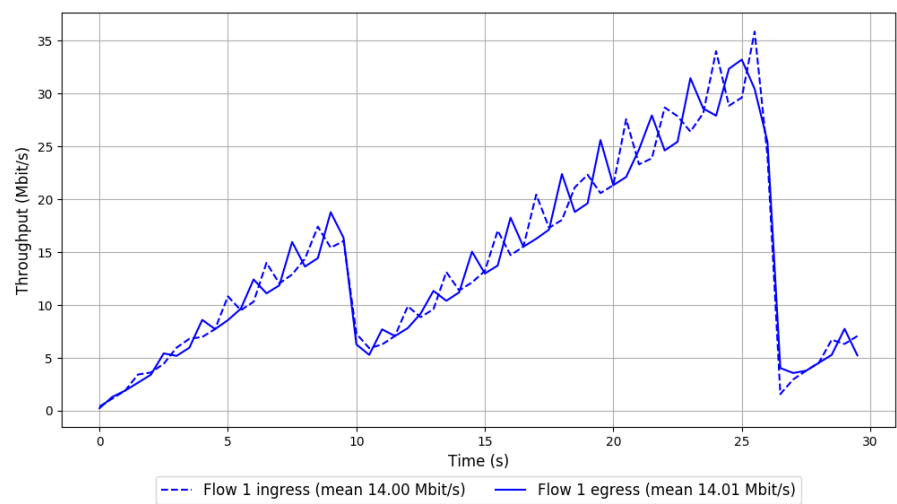
Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: Sun, 16 Jul 2017 22:02:45 +0000
End at: Sun, 16 Jul 2017 22:03:15 +0000
Local clock offset: 0.259 ms
Remote clock offset: -5.879 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.31 Mbit/s
95th percentile per-packet one-way delay: 69.247 ms
Loss rate: 4.56%
-- Flow 1:
Average throughput: 66.31 Mbit/s
95th percentile per-packet one-way delay: 69.247 ms
Loss rate: 4.56%
```
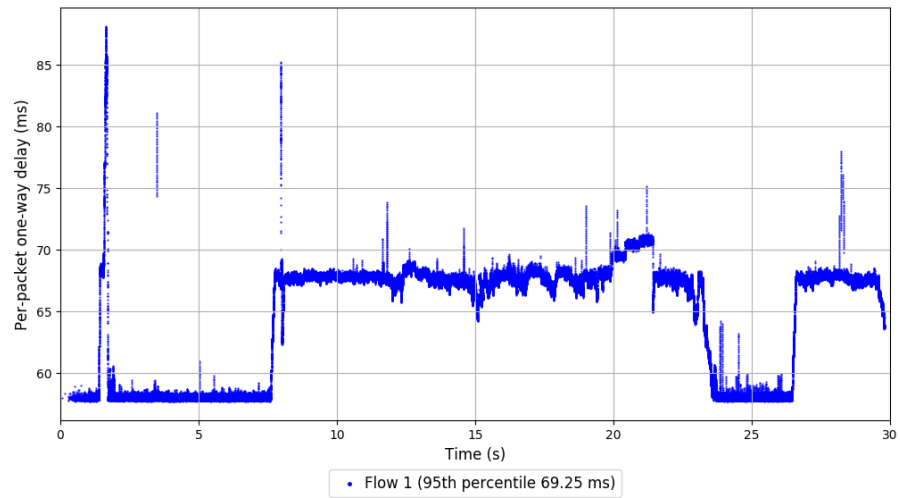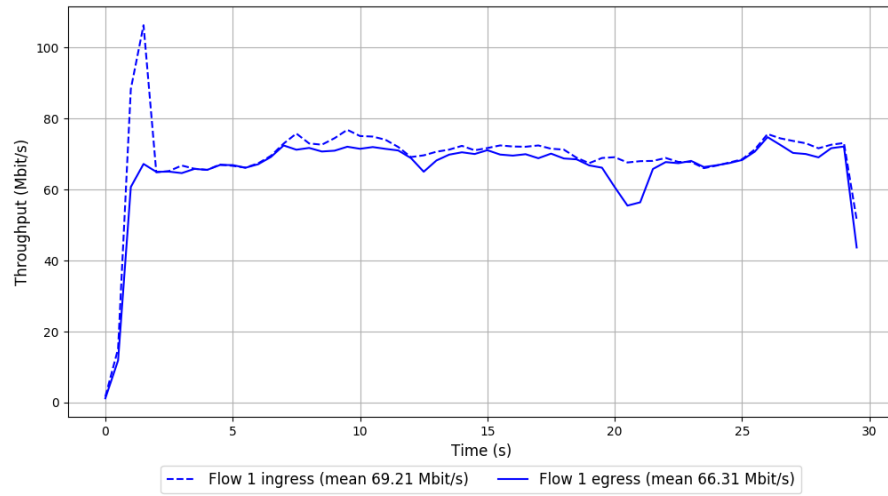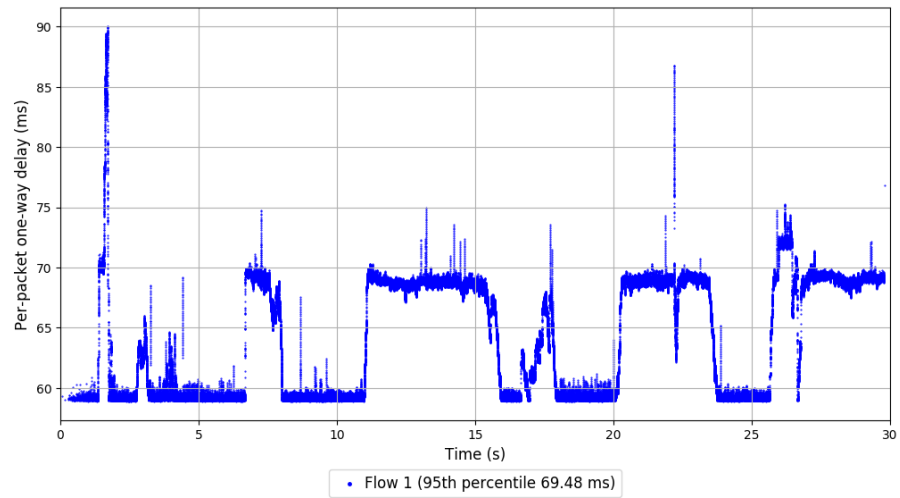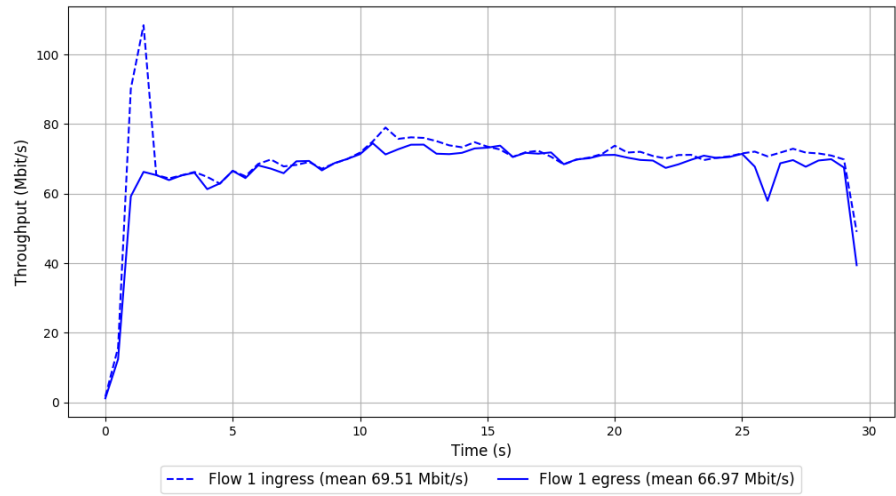
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 69.21 Mbit/s) --- Flow 1 egress (mean 66.31 Mbit/s)

• Flow 1 (95th percentile 69.25 ms)

```
Run 2: Statistics of PCC

Start at: Sun, 16 Jul 2017 22:20:01 +0000
End at: Sun, 16 Jul 2017 22:20:31 +0000
Local clock offset: 0.242 ms
Remote clock offset: -6.687 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:18:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 69.478 ms
Loss rate: 4.01%
-- Flow 1:
Average throughput: 66.97 Mbit/s
95th percentile per-packet one-way delay: 69.478 ms
Loss rate: 4.01%
```
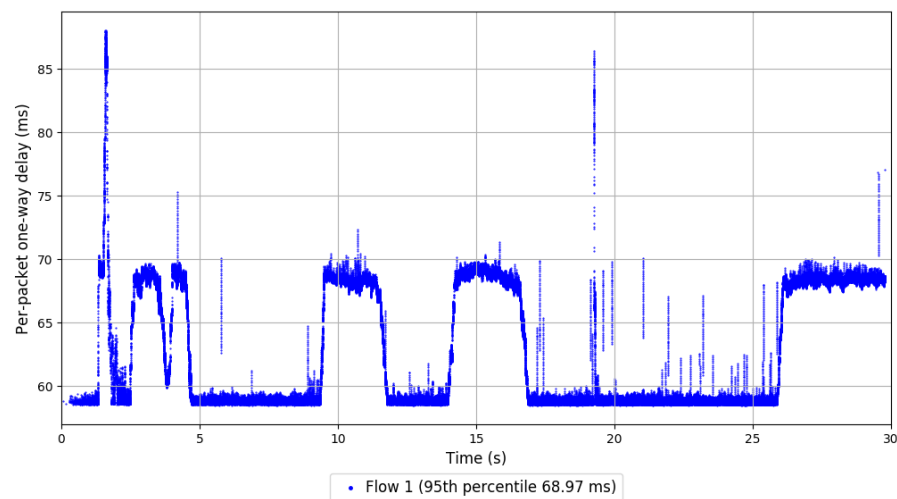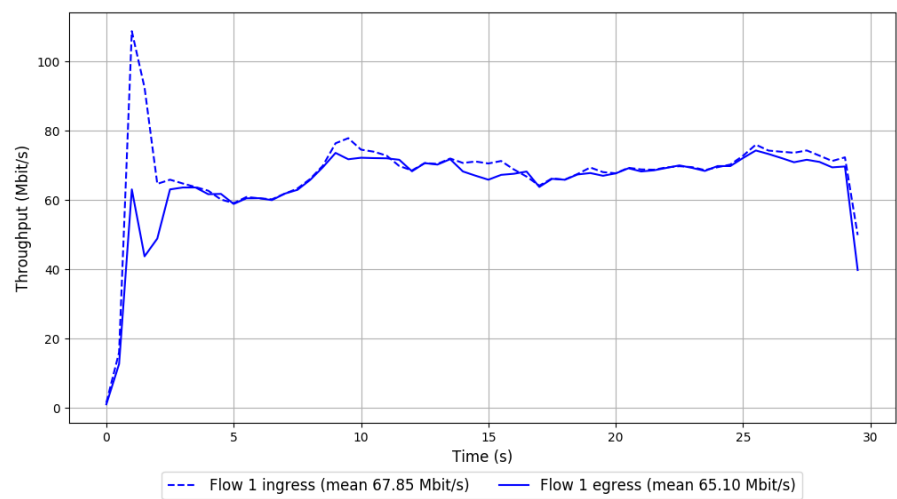
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 69.51 Mbit/s)   Flow 1 egress (mean 66.97 Mbit/s)

Flow 1 (95th percentile 69.48 ms)

```
Run 3: Statistics of PCC

Start at: Sun, 16 Jul 2017 22:37:34 +0000
End at: Sun, 16 Jul 2017 22:38:04 +0000
Local clock offset: 0.35 ms
Remote clock offset: -6.562 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.10 Mbit/s
95th percentile per-packet one-way delay: 68.974 ms
Loss rate: 4.41%
-- Flow 1:
Average throughput: 65.10 Mbit/s
95th percentile per-packet one-way delay: 68.974 ms
Loss rate: 4.41%
```

Run 3: Report of PCC — Data Link

```
Run 4: Statistics of PCC

Start at: Sun, 16 Jul 2017 22:54:55 +0000
End at: Sun, 16 Jul 2017 22:55:25 +0000
Local clock offset: 0.346 ms
Remote clock offset: -6.717 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.58 Mbit/s
95th percentile per-packet one-way delay: 69.150 ms
Loss rate: 5.05%
-- Flow 1:
Average throughput: 65.58 Mbit/s
95th percentile per-packet one-way delay: 69.150 ms
Loss rate: 5.05%
```
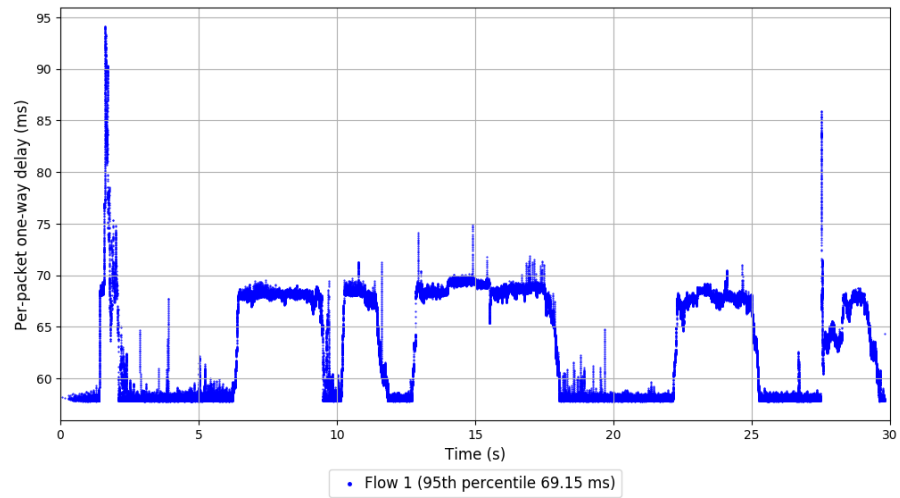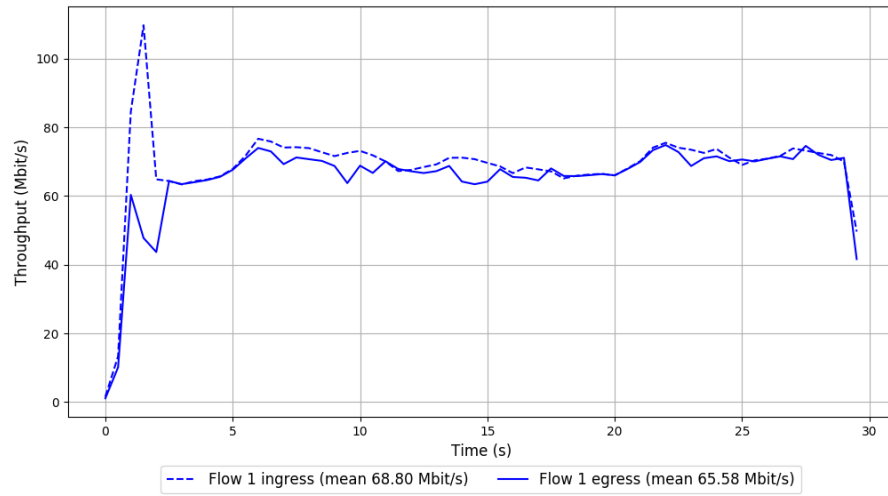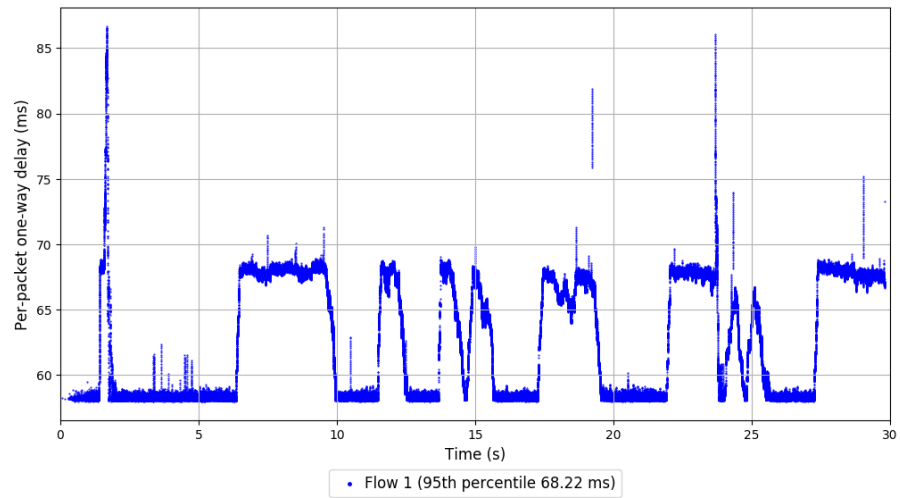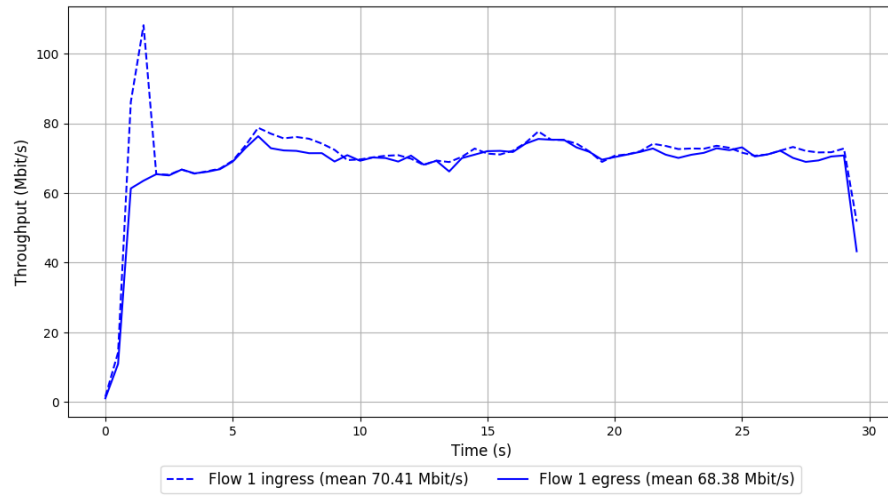
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 68.80 Mbit/s) Flow 1 egress (mean 65.58 Mbit/s)

Flow 1 (95th percentile 69.15 ms)

```
Run 5: Statistics of PCC

Start at: Sun, 16 Jul 2017 23:12:29 +0000
End at: Sun, 16 Jul 2017 23:12:59 +0000
Local clock offset: 0.291 ms
Remote clock offset: -6.695 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.38 Mbit/s
95th percentile per-packet one-way delay: 68.217 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 68.38 Mbit/s
95th percentile per-packet one-way delay: 68.217 ms
Loss rate: 3.24%
```
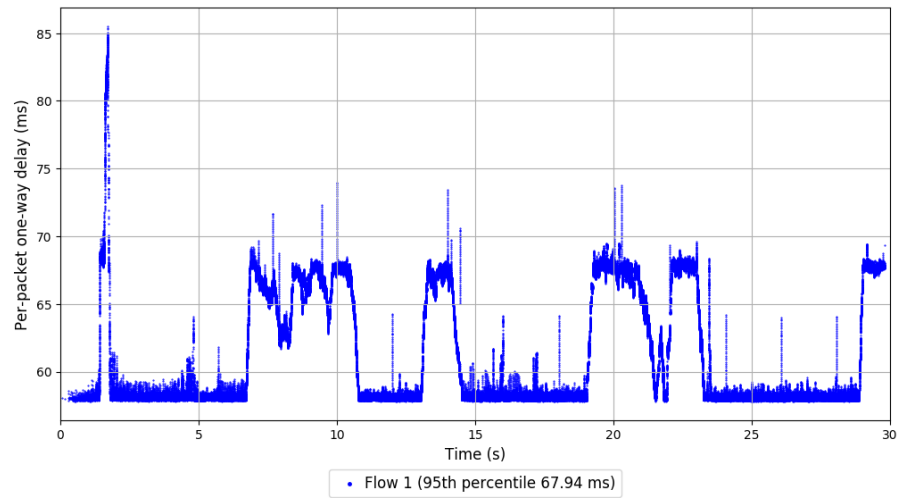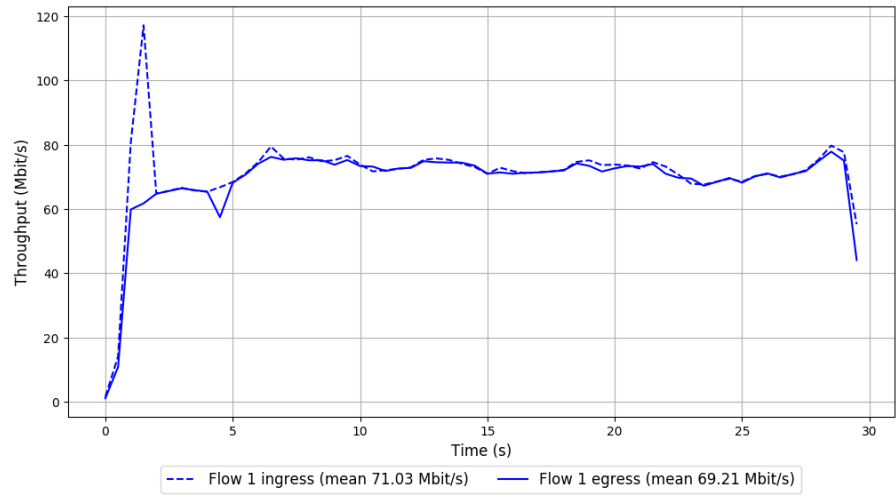
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 70.41 Mbit/s)   Flow 1 egress (mean 68.38 Mbit/s)

• Flow 1 (95th percentile 68.22 ms)

```
Run 6: Statistics of PCC

Start at: Sun, 16 Jul 2017 23:30:00 +0000
End at: Sun, 16 Jul 2017 23:30:30 +0000
Local clock offset: 0.42 ms
Remote clock offset: -6.608 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.21 Mbit/s
95th percentile per-packet one-way delay: 67.935 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 69.21 Mbit/s
95th percentile per-packet one-way delay: 67.935 ms
Loss rate: 2.94%
```

Run 6: Report of PCC — Data Link

```
Run 7: Statistics of PCC

Start at: Sun, 16 Jul 2017 23:47:33 +0000
End at: Sun, 16 Jul 2017 23:48:03 +0000
Local clock offset: 0.495 ms
Remote clock offset: -6.892 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.40 Mbit/s
95th percentile per-packet one-way delay: 68.479 ms
Loss rate: 4.04%
-- Flow 1:
Average throughput: 69.40 Mbit/s
95th percentile per-packet one-way delay: 68.479 ms
Loss rate: 4.04%
```
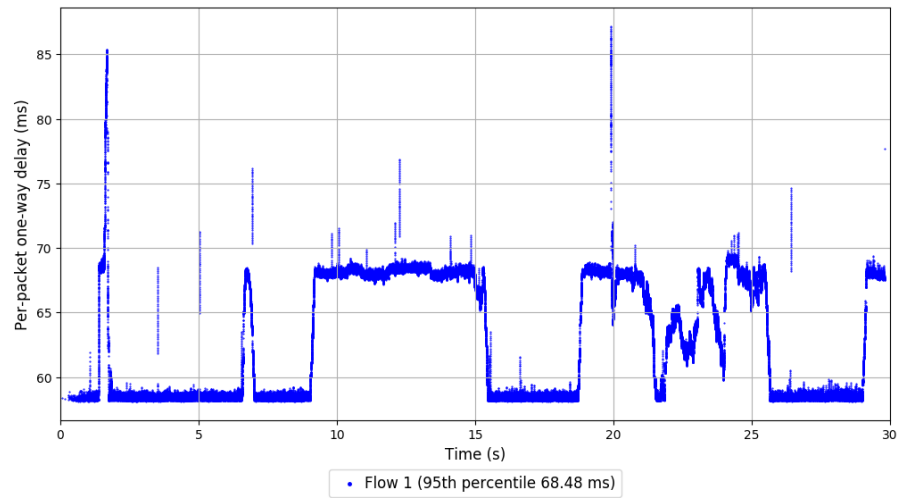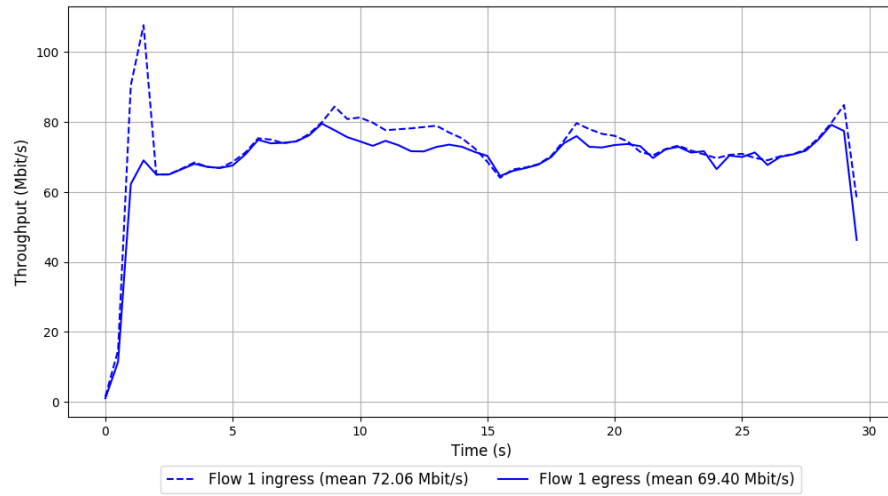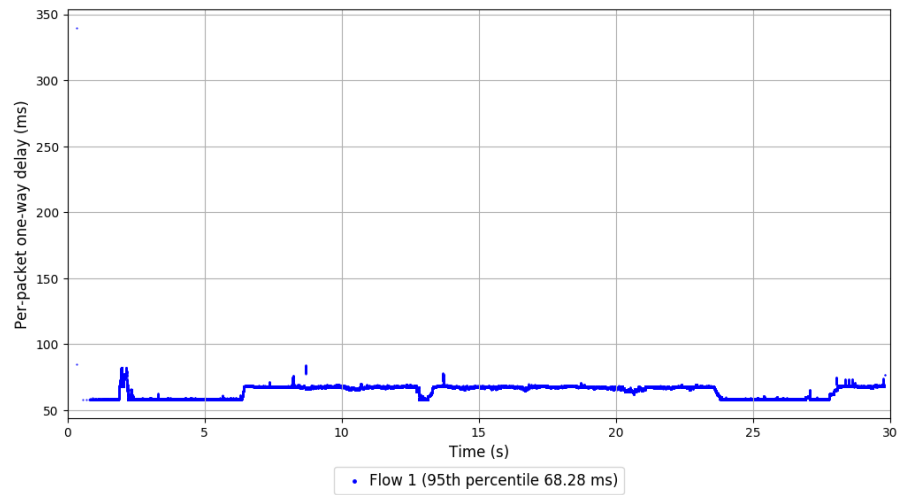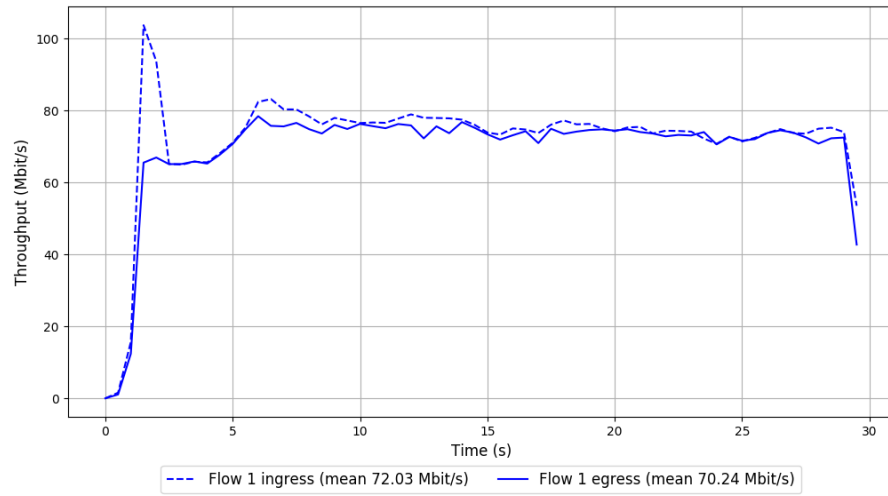
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 72.06 Mbit/s)   Flow 1 egress (mean 69.40 Mbit/s)

Flow 1 (95th percentile 68.48 ms)

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```
Run 8: Statistics of PCC

Start at: Mon, 17 Jul 2017 00:04:51 +0000
End at: Mon, 17 Jul 2017 00:05:21 +0000
Local clock offset: 0.542 ms
Remote clock offset: -6.222 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.24 Mbit/s
95th percentile per-packet one-way delay: 68.276 ms
Loss rate: 3.76%
-- Flow 1:
Average throughput: 70.24 Mbit/s
95th percentile per-packet one-way delay: 68.276 ms
Loss rate: 3.76%
```
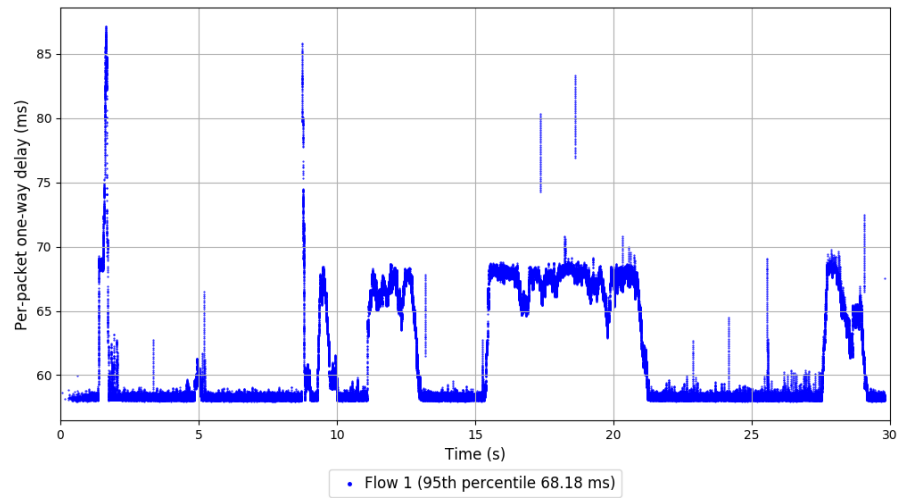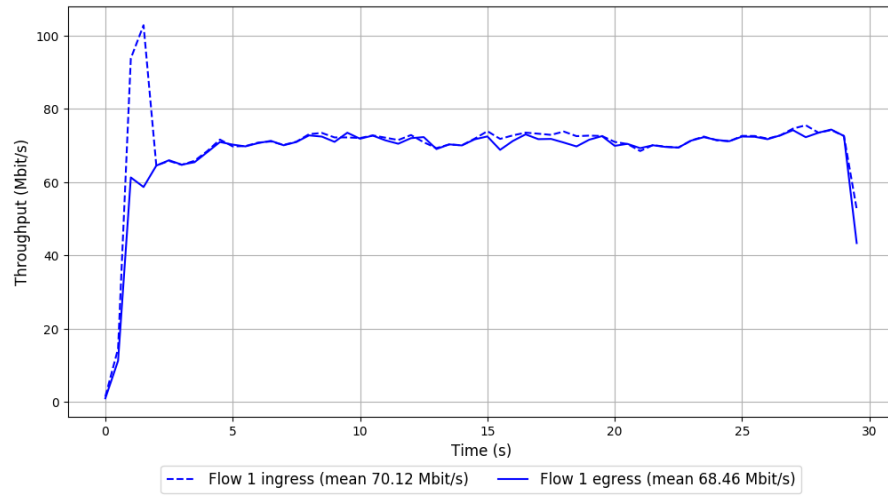
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 72.03 Mbit/s)   Flow 1 egress (mean 70.24 Mbit/s)

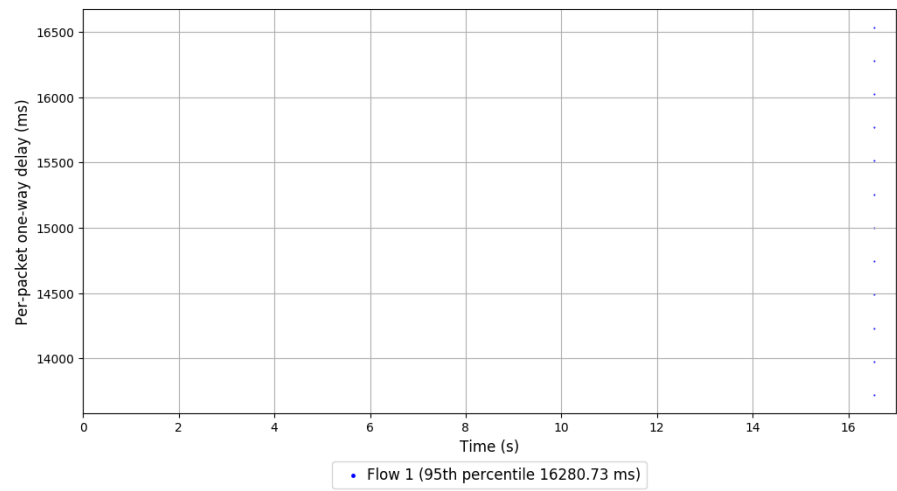Flow 1 (95th percentile 68.28 ms)

```
Run 9: Statistics of PCC

Start at: Mon, 17 Jul 2017 00:22:14 +0000
End at: Mon, 17 Jul 2017 00:22:44 +0000
Local clock offset: 0.564 ms
Remote clock offset: -5.331 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.46 Mbit/s
95th percentile per-packet one-way delay: 68.176 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 68.46 Mbit/s
95th percentile per-packet one-way delay: 68.176 ms
Loss rate: 2.73%
```

Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 70.12 Mbit/s)   Flow 1 egress (mean 68.46 Mbit/s)

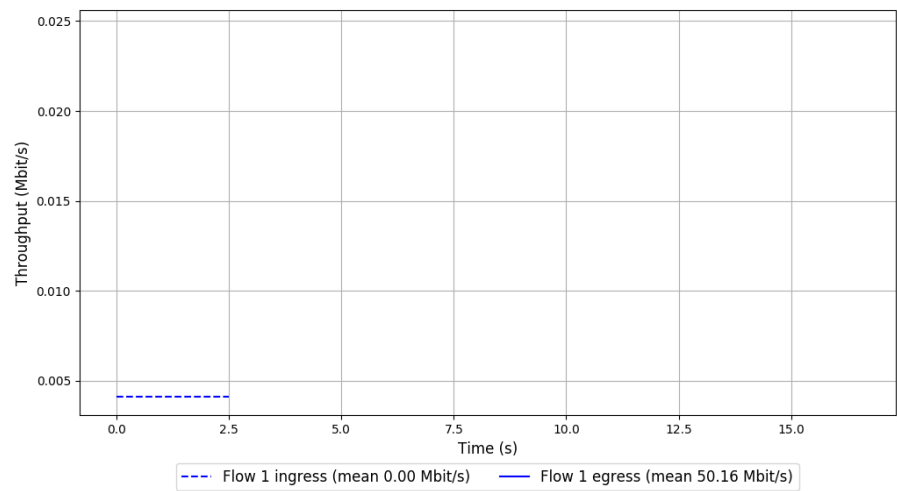Flow 1 (95th percentile 68.18 ms)

Run 10: Statistics of PCC

Start at: Mon, 17 Jul 2017 00:39:42 +0000
End at: Mon, 17 Jul 2017 00:40:12 +0000
Local clock offset: 0.481 ms
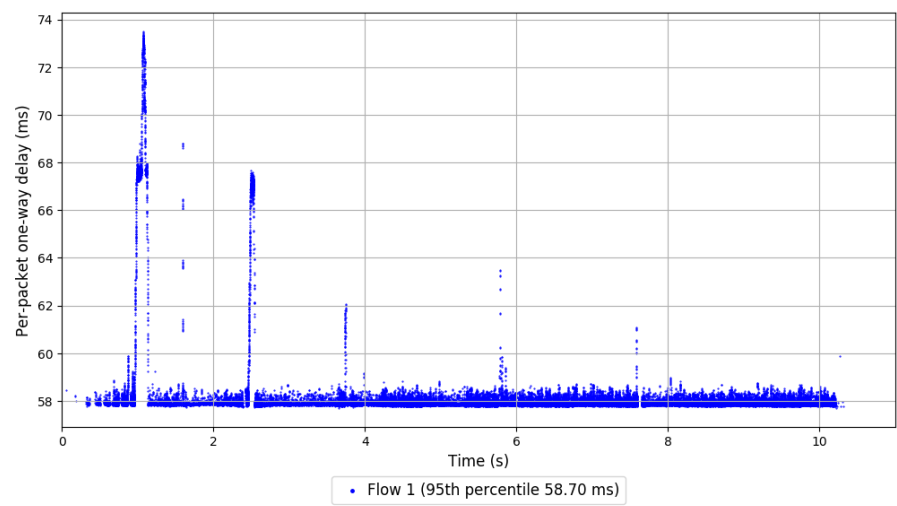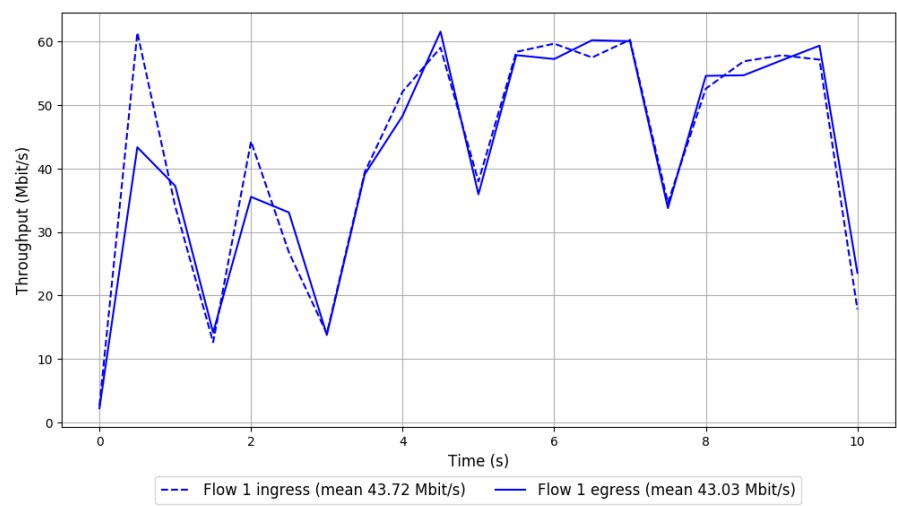Remote clock offset: -6.028 ms

Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 50.16 Mbit/s)

Flow 1 (95th percentile 16280.73 ms)

Run 1: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 21:58:02 +0000
End at: Sun, 16 Jul 2017 21:58:32 +0000
Local clock offset: 0.256 ms
Remote clock offset: -6.081 ms

Run 1: Report of QUIC Cubic — Data Link
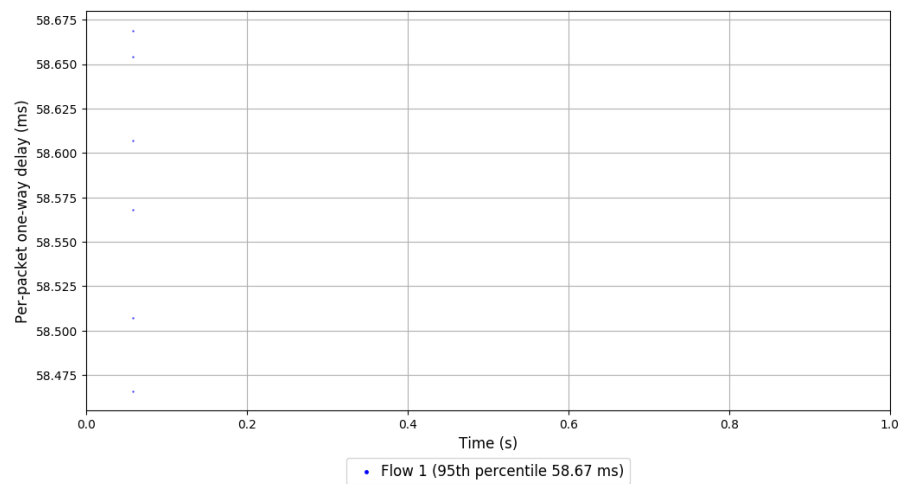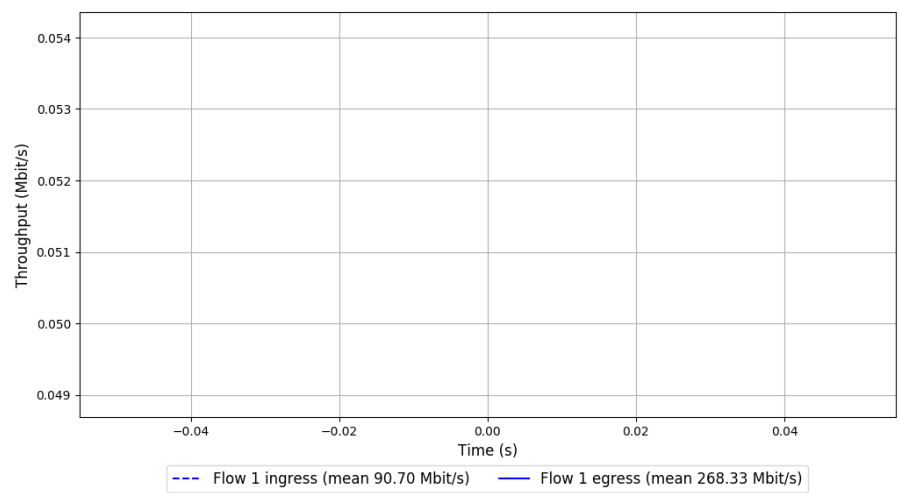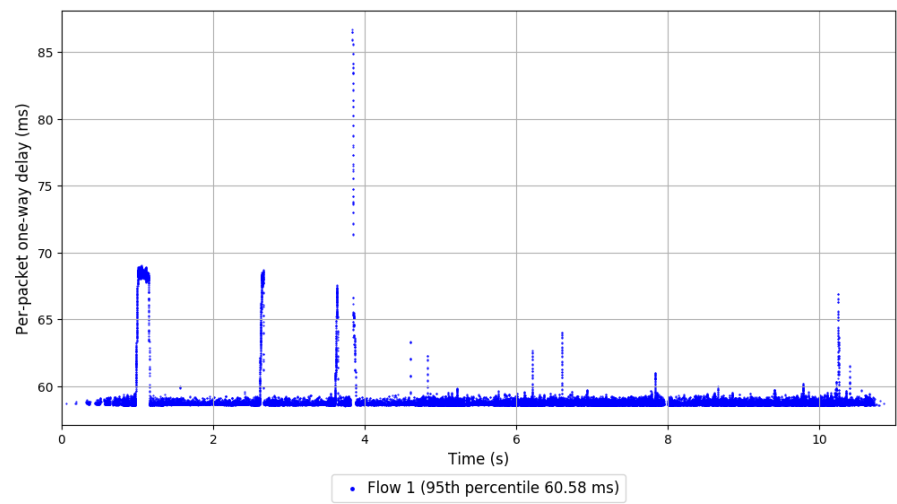
Run 2: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 22:15:26 +0000
End at: Sun, 16 Jul 2017 22:15:56 +0000
Local clock offset: 0.287 ms
Remote clock offset: -6.445 ms

Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 90.70 Mbit/s) — Flow 1 egress (mean 268.33 Mbit/s)

Flow 1 (95th percentile 58.67 ms)
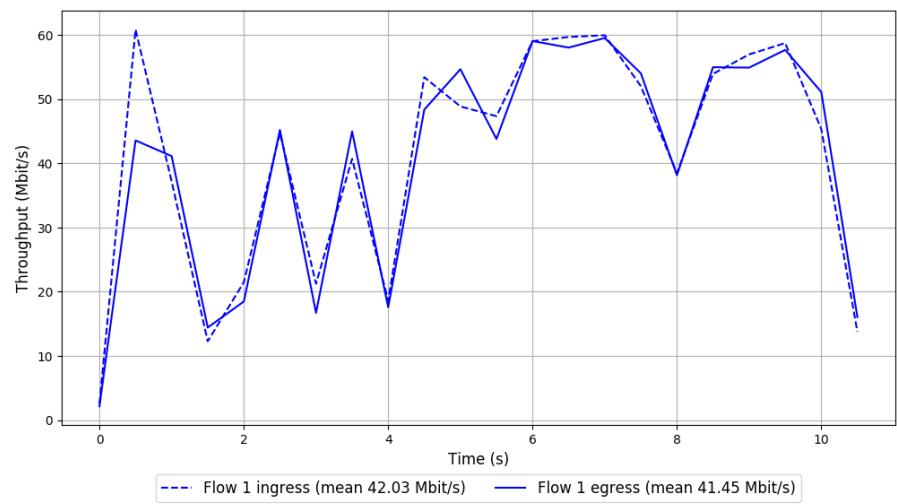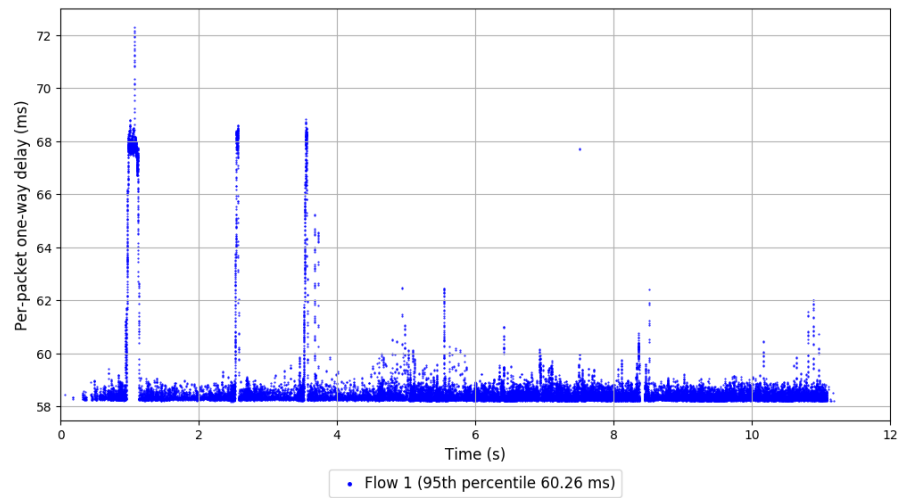
Run 3: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 22:32:49 +0000
End at: Sun, 16 Jul 2017 22:33:19 +0000
Local clock offset: 0.382 ms
Remote clock offset: -6.143 ms

Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 42.03 Mbit/s) --- Flow 1 egress (mean 41.45 Mbit/s)

Flow 1 (95th percentile 60.58 ms)
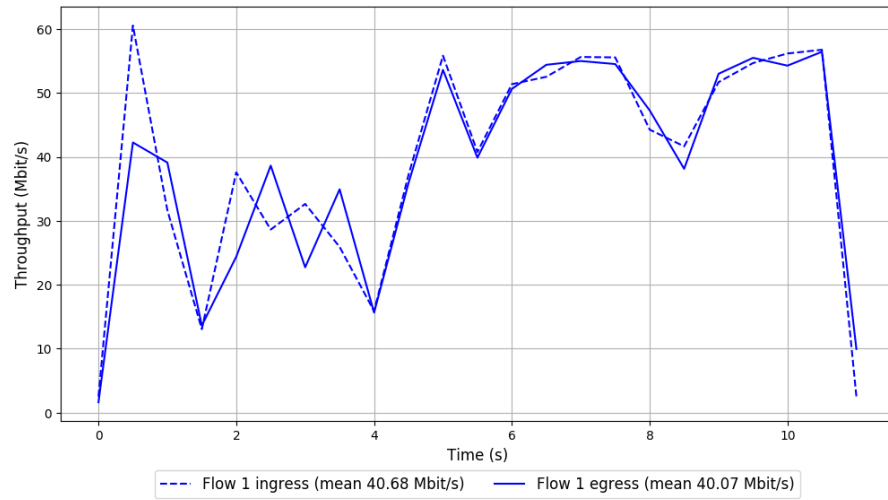
149

Run 4: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 22:50:25 +0000
End at: Sun, 16 Jul 2017 22:50:55 +0000
Local clock offset: 0.222 ms
Remote clock offset: -6.97 ms

Run 4: Report of QUIC Cubic — Data Link

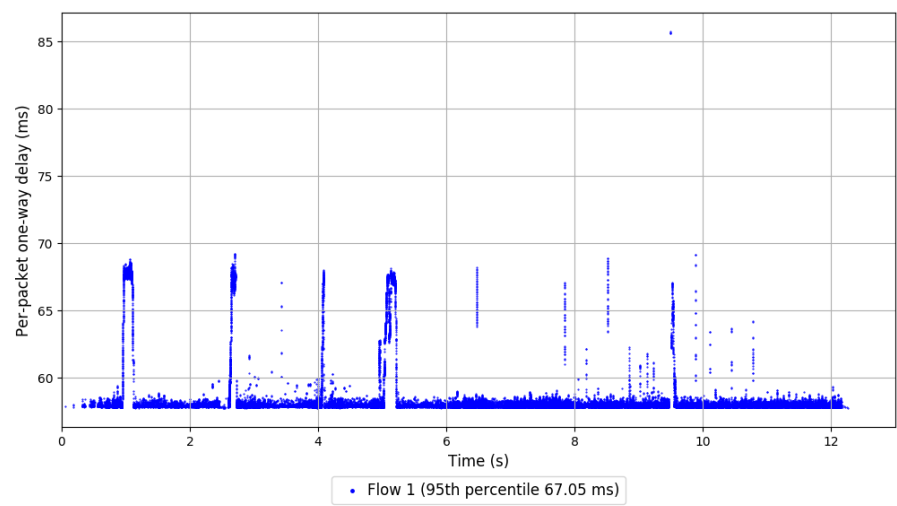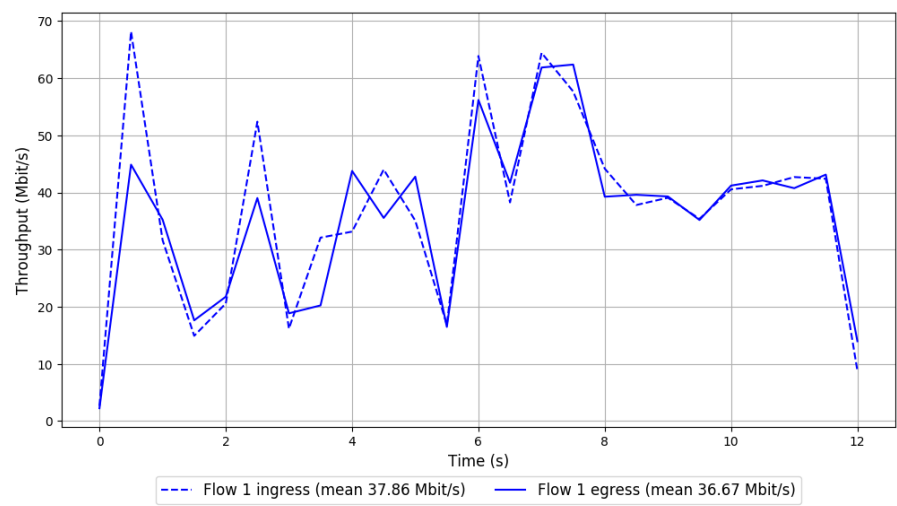Run 5: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 23:07:43 +0000
End at: Sun, 16 Jul 2017 23:08:14 +0000
Local clock offset: 0.509 ms
Remote clock offset: -6.456 ms

Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 37.86 Mbit/s)   Flow 1 egress (mean 36.67 Mbit/s)

Flow 1 (95th percentile 67.05 ms)
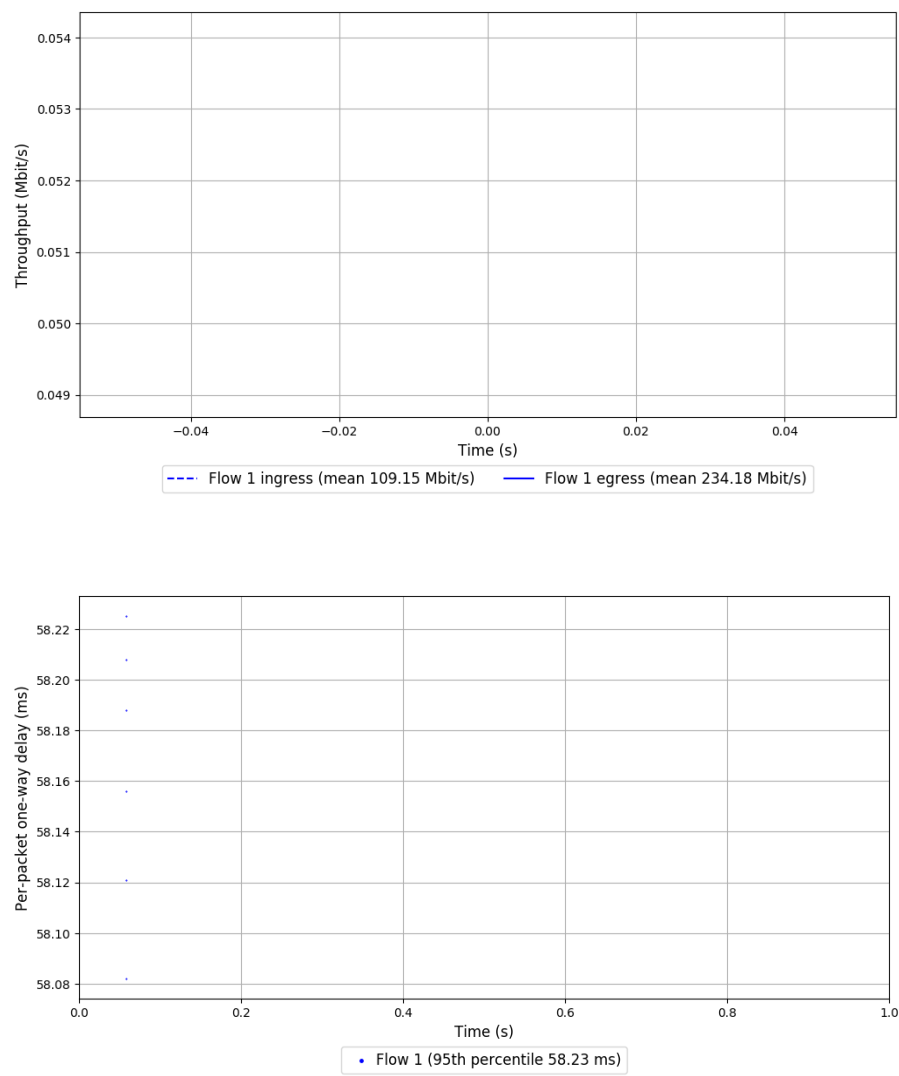
153

Run 6: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 23:25:11 +0000
End at: Sun, 16 Jul 2017 23:25:41 +0000
Local clock offset: 0.468 ms
Remote clock offset: -6.207 ms

Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 109.15 Mbit/s)   Flow 1 egress (mean 234.18 Mbit/s)

Flow 1 (95th percentile 58.23 ms)
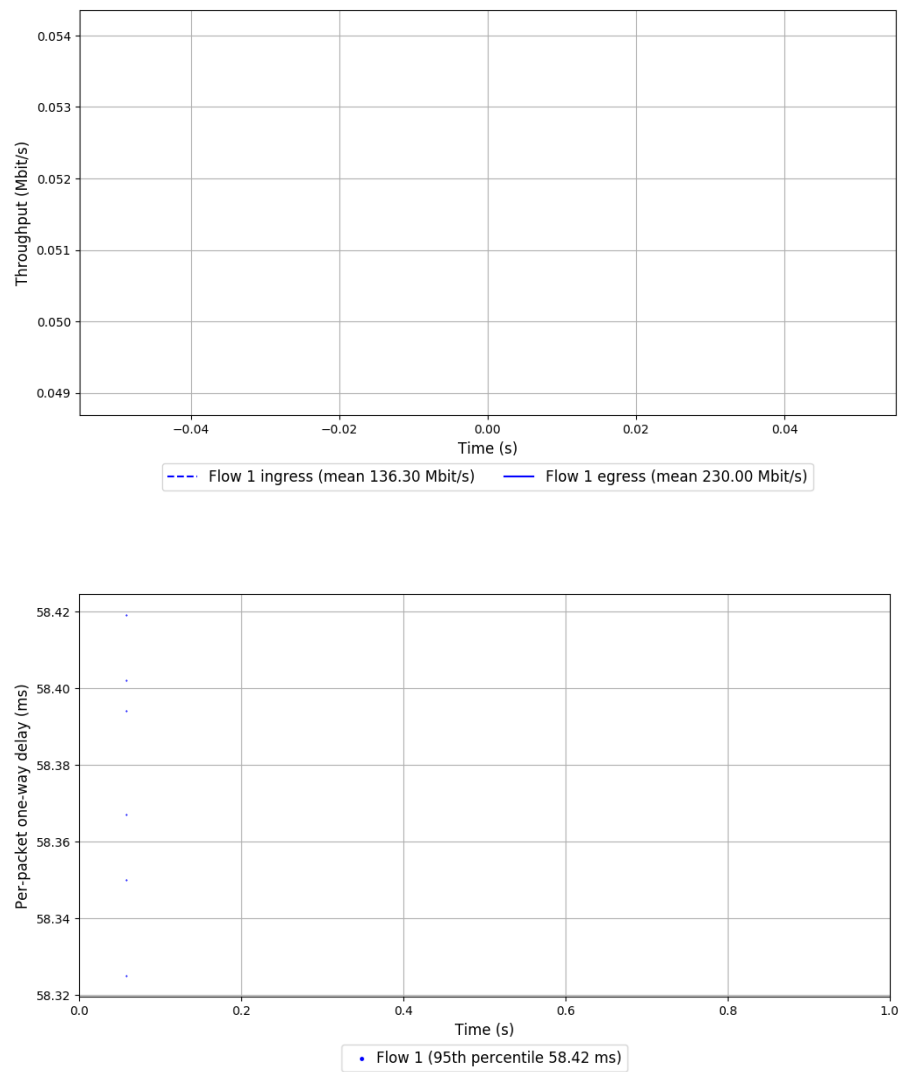
Run 7: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 23:42:50 +0000
End at: Sun, 16 Jul 2017 23:43:20 +0000
Local clock offset: 0.544 ms
Remote clock offset: -6.749 ms

Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 136.30 Mbit/s)   Flow 1 egress (mean 230.00 Mbit/s)

Flow 1 (95th percentile 58.42 ms)
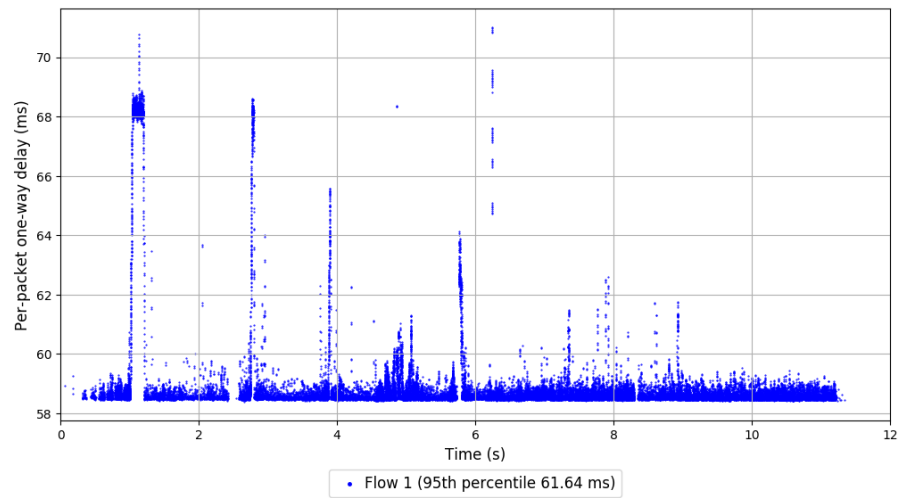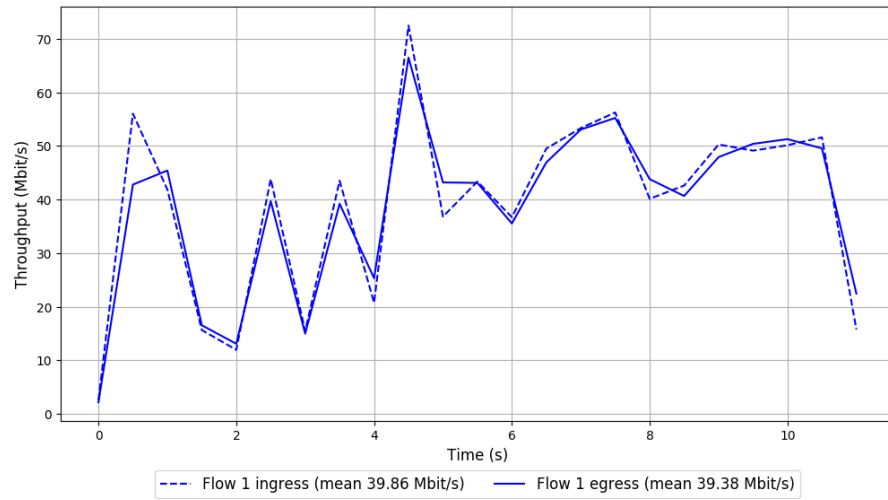
Run 8: Statistics of QUIC Cubic

Start at: Mon, 17 Jul 2017 00:00:17 +0000
End at: Mon, 17 Jul 2017 00:00:47 +0000
Local clock offset: 0.59 ms
Remote clock offset: -6.632 ms

Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 39.86 Mbit/s) ---- Flow 1 egress (mean 39.38 Mbit/s)

Flow 1 (95th percentile 61.64 ms)
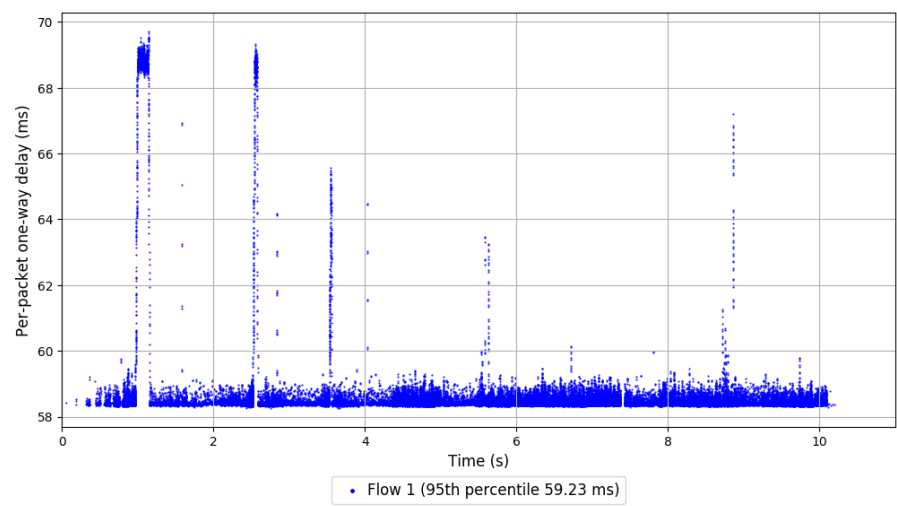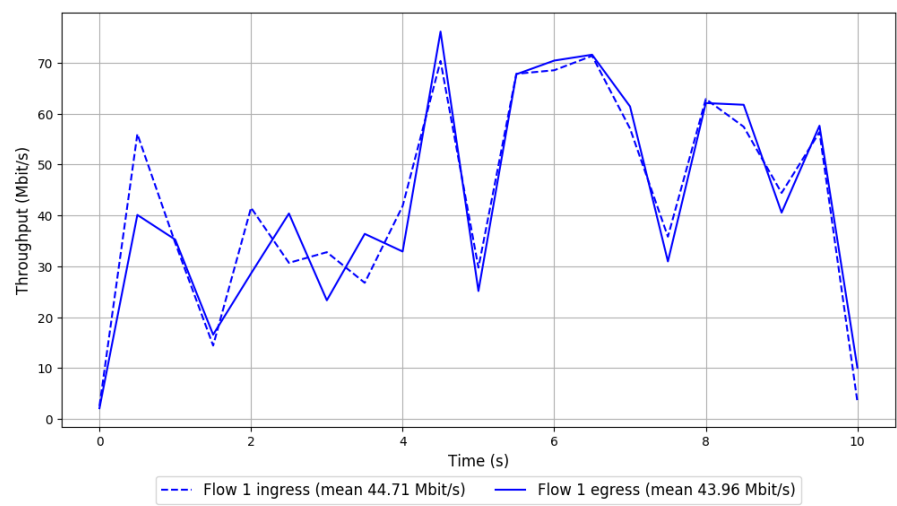
Run 9: Statistics of QUIC Cubic

Start at: Mon, 17 Jul 2017 00:17:40 +0000
End at: Mon, 17 Jul 2017 00:18:10 +0000
Local clock offset: 0.569 ms
Remote clock offset: -5.889 ms

Run 9: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 44.71 Mbit/s) --- Flow 1 egress (mean 43.96 Mbit/s)

Flow 1 (95th percentile 59.23 ms)
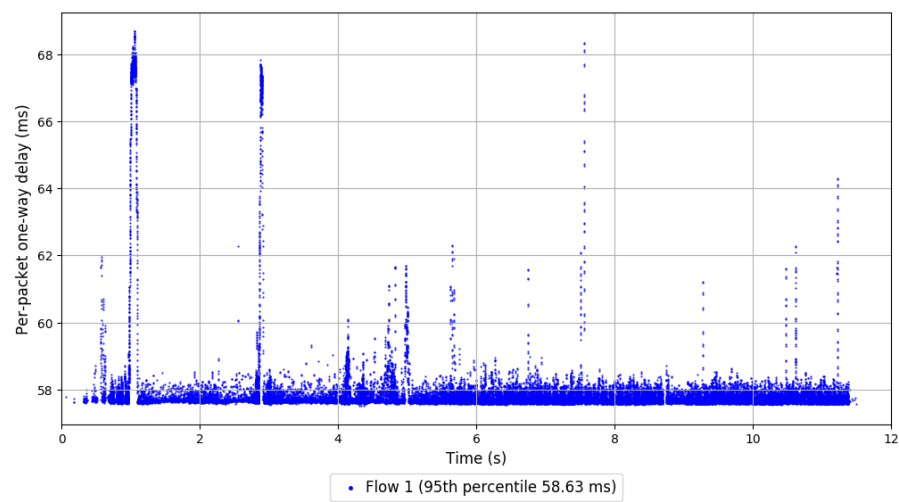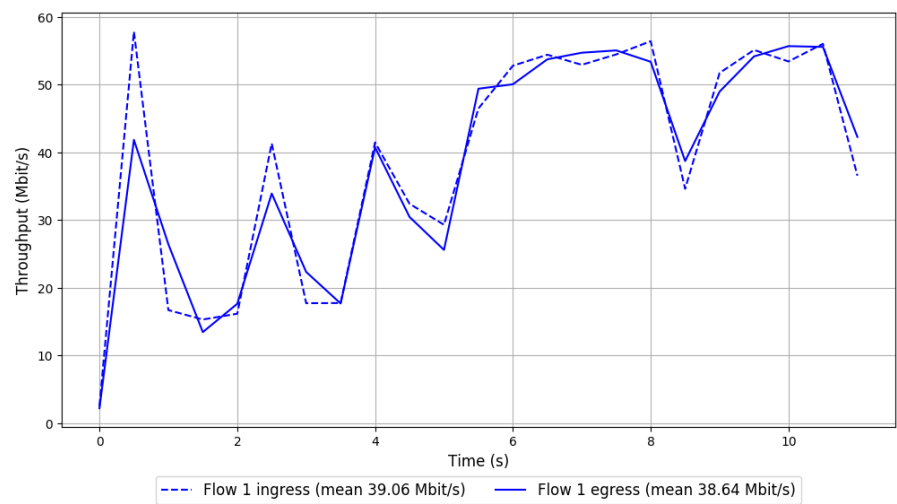
Run 10: Statistics of QUIC Cubic

Start at: Mon, 17 Jul 2017 00:34:59 +0000
End at: Mon, 17 Jul 2017 00:35:29 +0000
Local clock offset: 0.501 ms
Remote clock offset: -5.896 ms

Run 10: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 39.06 Mbit/s) ----   Flow 1 egress (mean 38.64 Mbit/s) ——

Flow 1 (95th percentile 58.63 ms)

```
Run 1: Statistics of Saturator

Start at: Sun, 16 Jul 2017 22:07:23 +0000
End at: Sun, 16 Jul 2017 22:07:53 +0000
Local clock offset: 0.433 ms
Remote clock offset: -5.734 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 58.568 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 58.568 ms
Loss rate: 0.65%
```
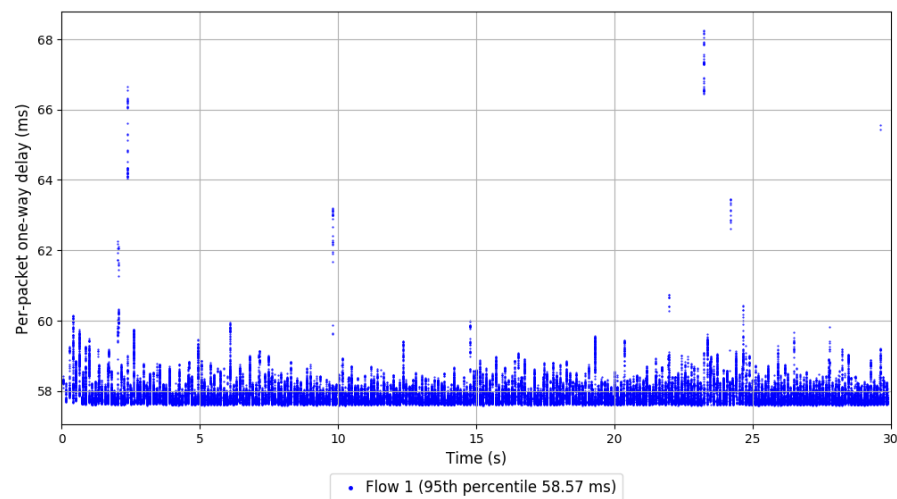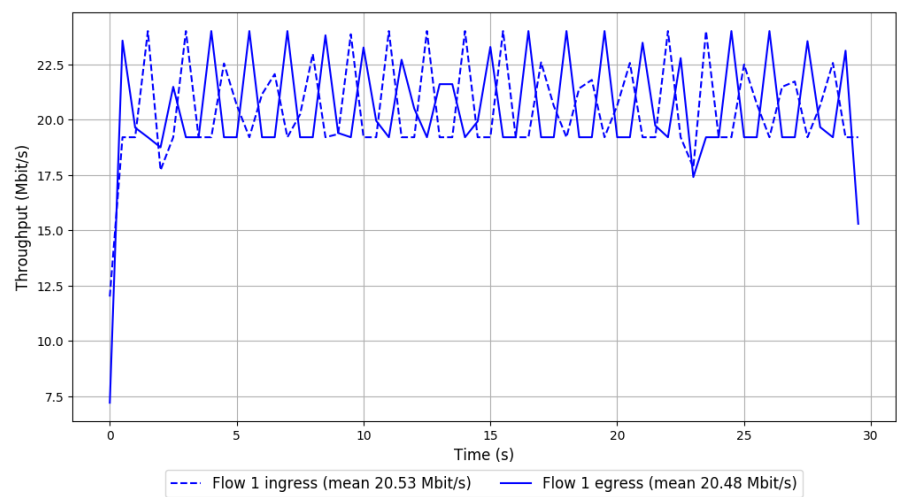
Run 1: Report of Saturator — Data Link

Run 1: Report of Saturator — Data Link

```
Run 2: Statistics of Saturator

Start at: Sun, 16 Jul 2017 22:24:44 +0000
End at: Sun, 16 Jul 2017 22:25:14 +0000
Local clock offset: 0.429 ms
Remote clock offset: -5.86 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 58.736 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 20.37 Mbit/s
95th percentile per-packet one-way delay: 58.736 ms
Loss rate: 0.51%
```
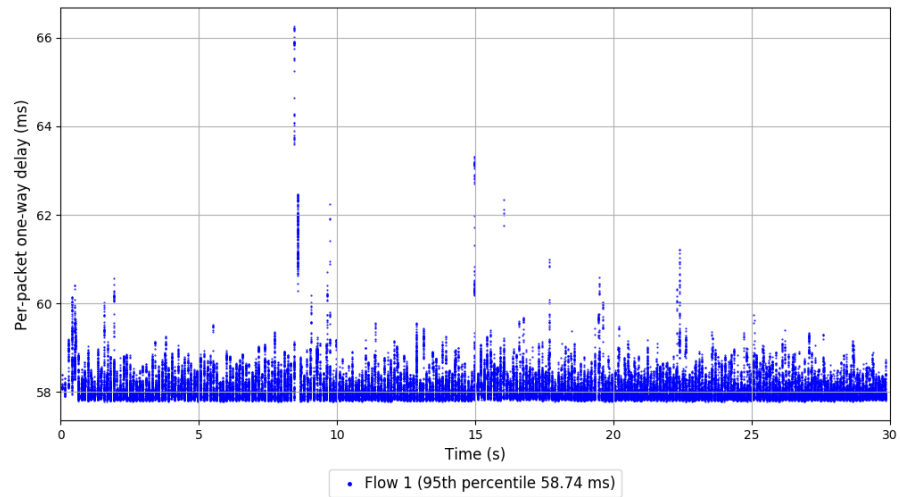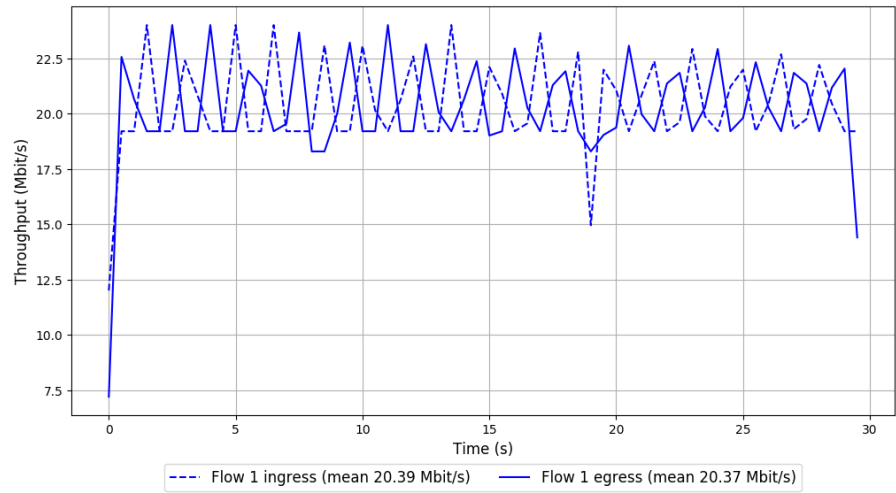
Run 2: Report of Saturator — Data Link

```
Run 3: Statistics of Saturator

Start at: Sun, 16 Jul 2017 22:42:15 +0000
End at: Sun, 16 Jul 2017 22:42:46 +0000
Local clock offset: 0.334 ms
Remote clock offset: -6.446 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 58.981 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 20.44 Mbit/s
95th percentile per-packet one-way delay: 58.981 ms
Loss rate: 0.56%
```
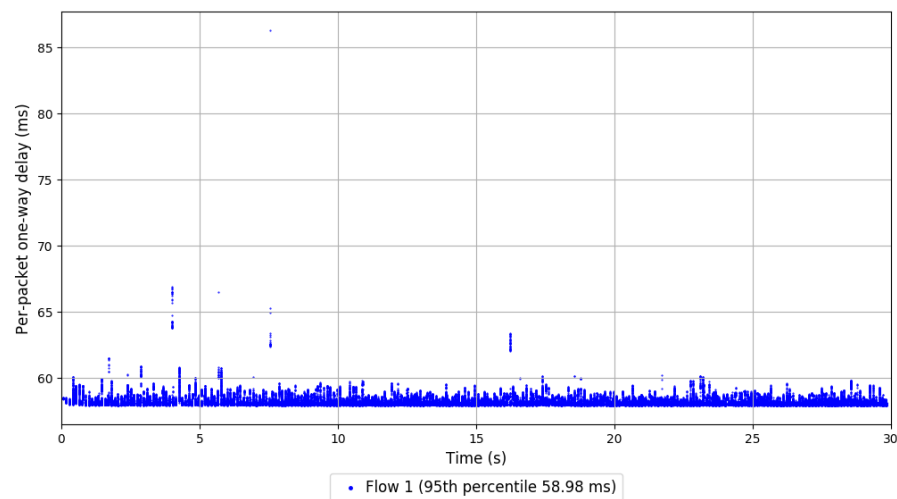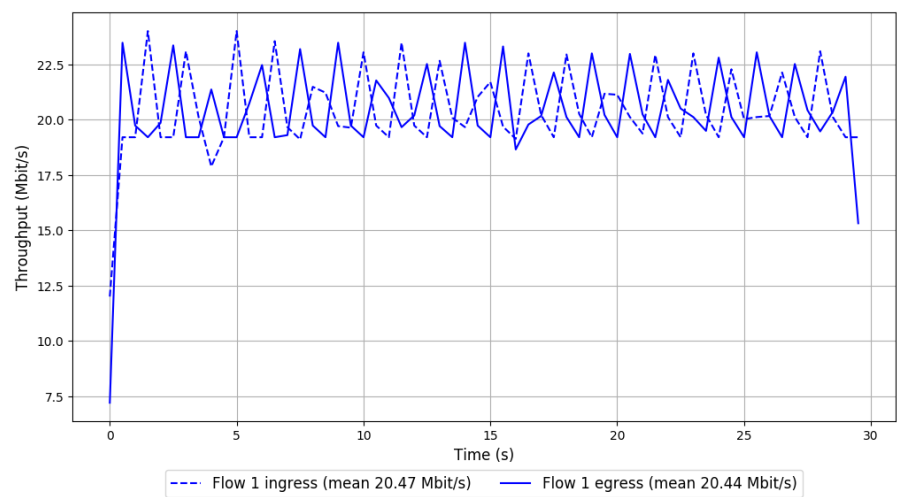
Run 3: Report of Saturator — Data Link
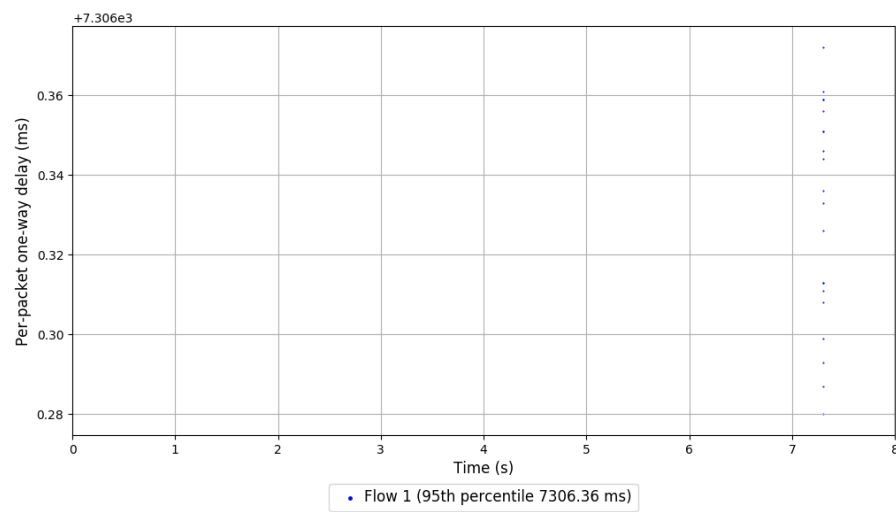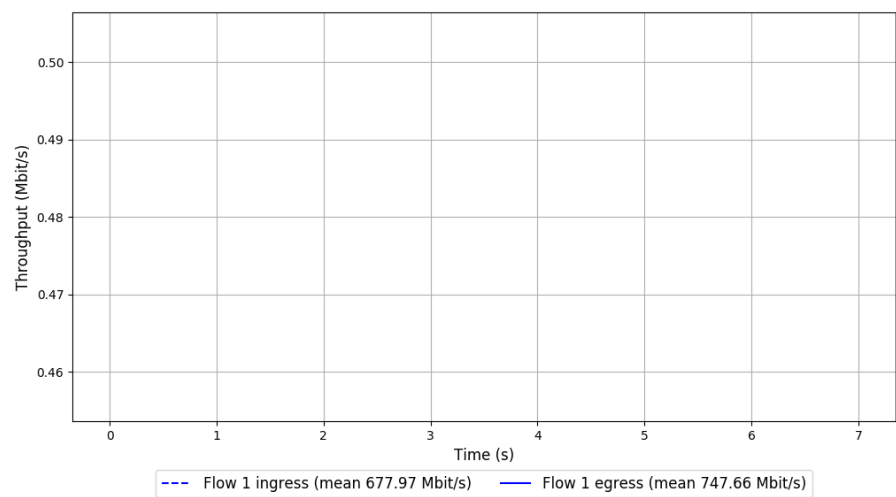
Run 4: Statistics of Saturator

Start at: Sun, 16 Jul 2017 22:59:36 +0000
End at: Sun, 16 Jul 2017 23:00:06 +0000
Local clock offset: 0.288 ms
Remote clock offset: -6.952 ms

Run 4: Report of Saturator — Data Link

Flow 1 ingress (mean 677.97 Mbit/s)   Flow 1 egress (mean 747.66 Mbit/s)

• Flow 1 (95th percentile 7306.36 ms)

```
Run 5: Statistics of Saturator

Start at: Sun, 16 Jul 2017 23:17:09 +0000
End at: Sun, 16 Jul 2017 23:17:39 +0000
Local clock offset: 0.391 ms
Remote clock offset: -6.001 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 58.413 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 58.413 ms
Loss rate: 0.51%
```
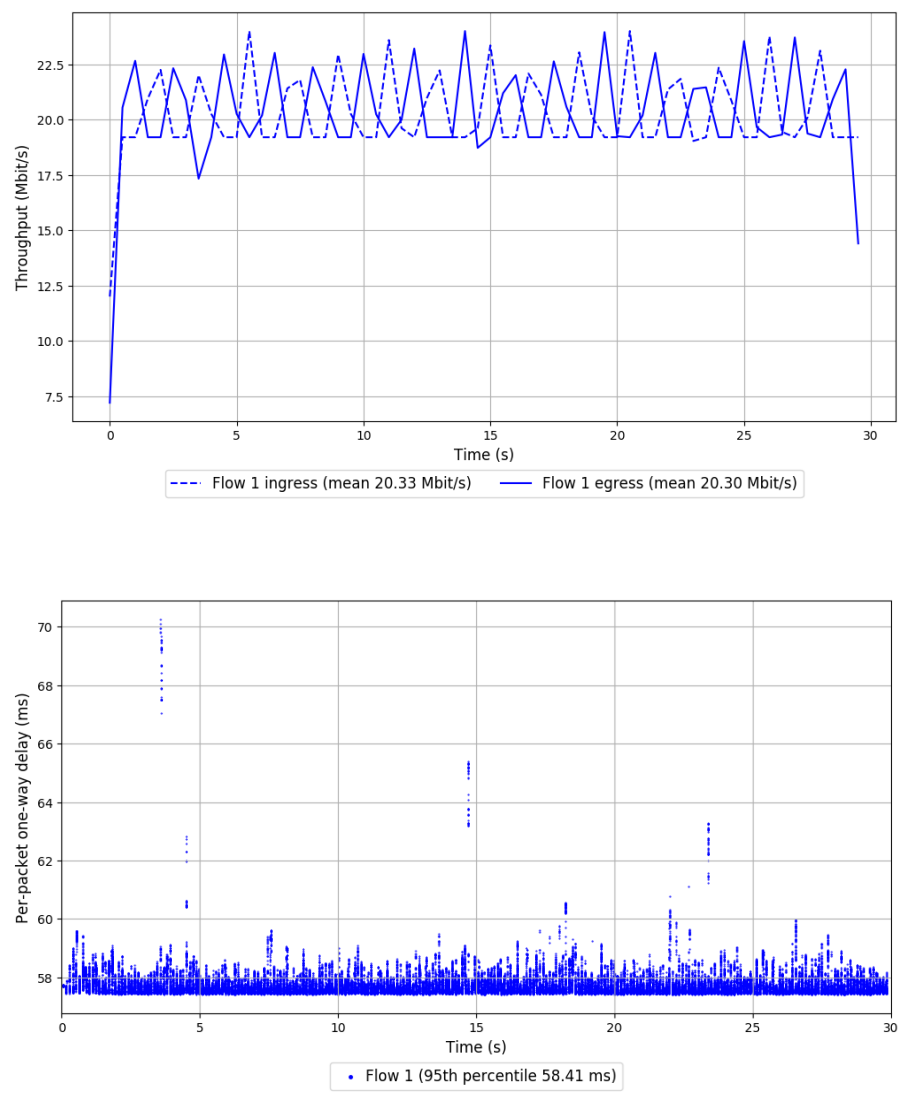
Run 5: Report of Saturator — Data Link

```
Run 6: Statistics of Saturator

Start at: Sun, 16 Jul 2017 23:34:48 +0000
End at: Sun, 16 Jul 2017 23:35:18 +0000
Local clock offset: 0.573 ms
Remote clock offset: -6.795 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 58.780 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 58.780 ms
Loss rate: 0.51%
```
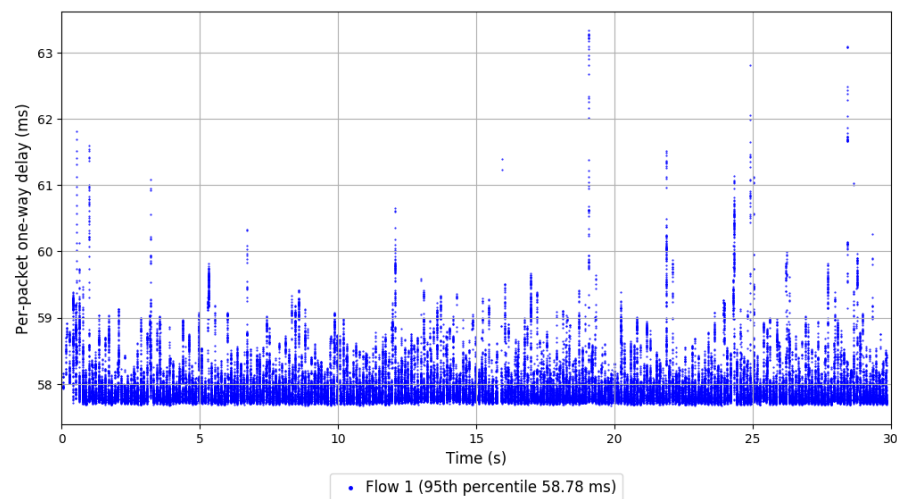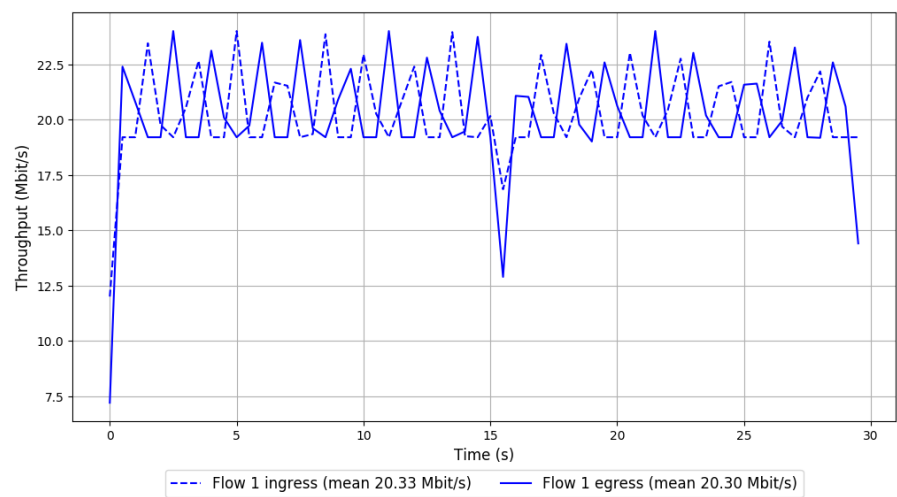
Run 6: Report of Saturator — Data Link

Flow 1 ingress (mean 20.33 Mbit/s)   Flow 1 egress (mean 20.30 Mbit/s)

Flow 1 (95th percentile 58.78 ms)

```
Run 7: Statistics of Saturator

Start at: Sun, 16 Jul 2017 23:52:15 +0000
End at: Sun, 16 Jul 2017 23:52:45 +0000
Local clock offset: 0.461 ms
Remote clock offset: -6.852 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 58.961 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 20.56 Mbit/s
95th percentile per-packet one-way delay: 58.961 ms
Loss rate: 0.51%
```
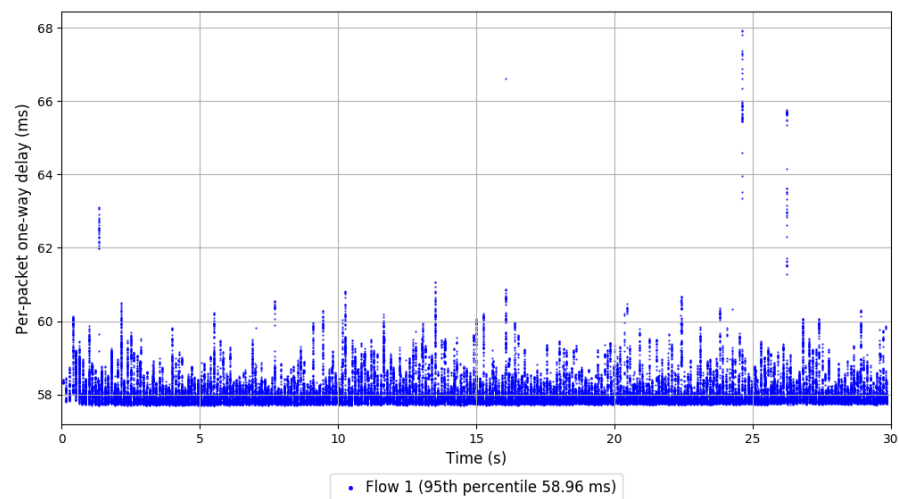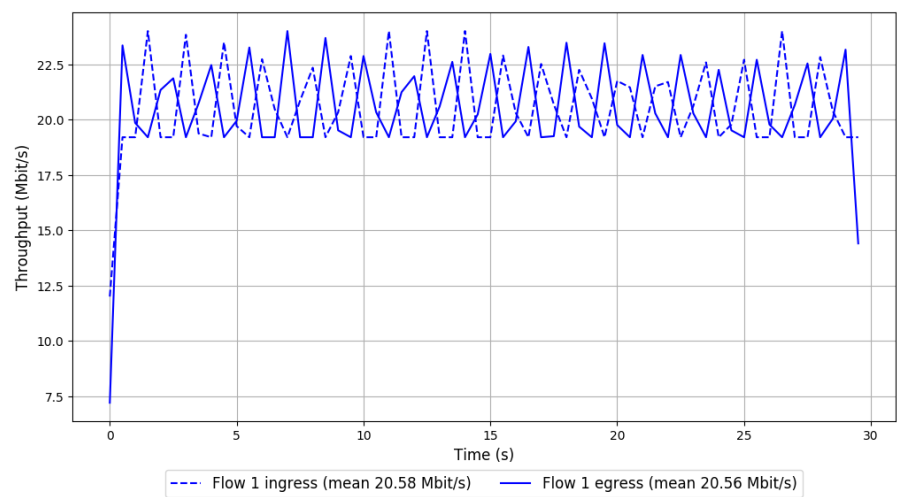
Run 7: Report of Saturator — Data Link

```
Run 8: Statistics of Saturator

Start at: Mon, 17 Jul 2017 00:09:31 +0000
End at: Mon, 17 Jul 2017 00:10:01 +0000
Local clock offset: 0.496 ms
Remote clock offset: -6.356 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 58.752 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 58.752 ms
Loss rate: 0.39%
```
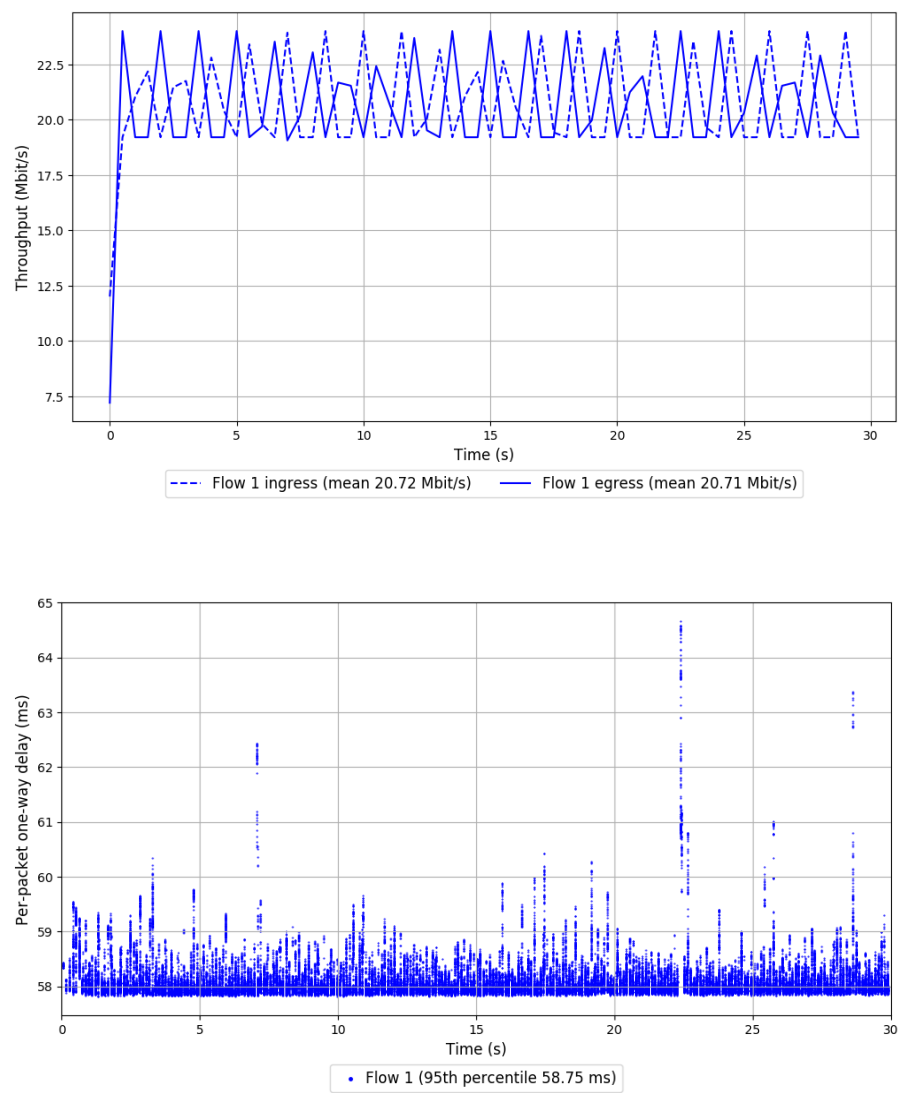
Run 8: Report of Saturator — Data Link

```
Run 9: Statistics of Saturator

Start at: Mon, 17 Jul 2017 00:26:57 +0000
End at: Mon, 17 Jul 2017 00:27:27 +0000
Local clock offset: 0.49 ms
Remote clock offset: -5.697 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:19:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 58.771 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 20.30 Mbit/s
95th percentile per-packet one-way delay: 58.771 ms
Loss rate: 0.58%
```
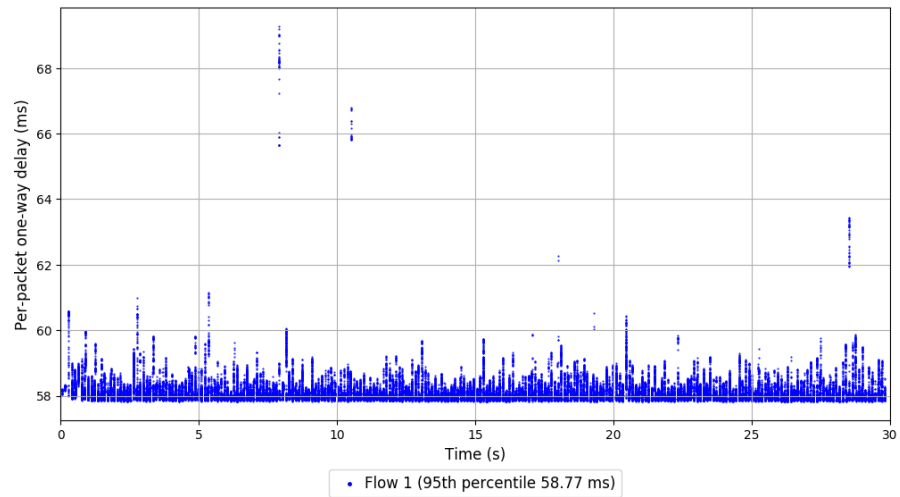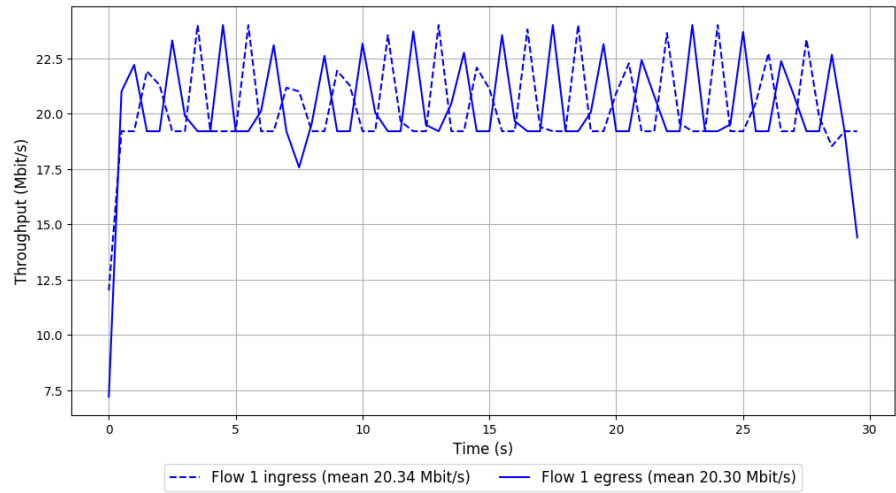
Run 9: Report of Saturator — Data Link

Flow 1 ingress (mean 20.34 Mbit/s)   Flow 1 egress (mean 20.30 Mbit/s)

Flow 1 (95th percentile 58.77 ms)

```
Run 10: Statistics of Saturator

Start at: Mon, 17 Jul 2017 00:44:19 +0000
End at: Mon, 17 Jul 2017 00:44:49 +0000
Local clock offset: 0.568 ms
Remote clock offset: -5.043 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 57.944 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 20.34 Mbit/s
95th percentile per-packet one-way delay: 57.944 ms
Loss rate: 0.79%
```
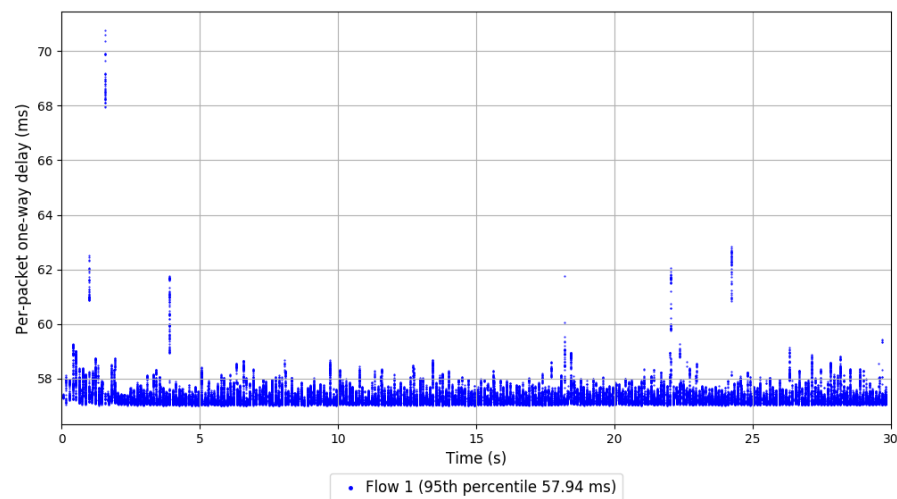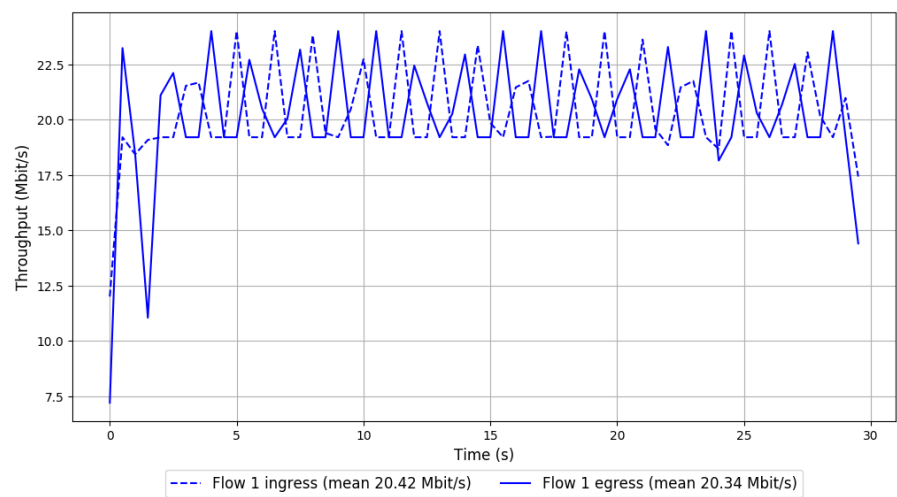
Run 10: Report of Saturator — Data Link

```
Run 1: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 22:09:38 +0000
End at: Sun, 16 Jul 2017 22:10:08 +0000
Local clock offset: 0.375 ms
Remote clock offset: -6.172 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.936 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.936 ms
Loss rate: 0.25%
```
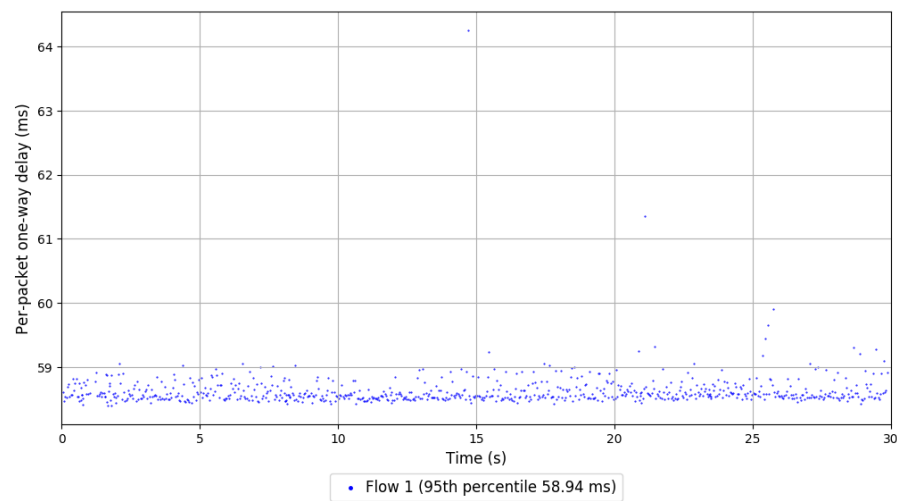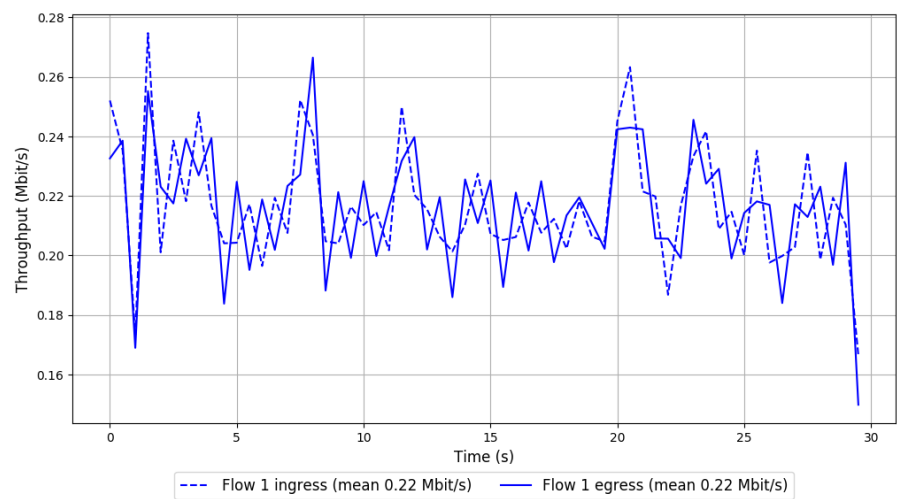
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 22:27:00 +0000
End at: Sun, 16 Jul 2017 22:27:30 +0000
Local clock offset: 0.395 ms
Remote clock offset: -6.223 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.053 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.053 ms
Loss rate: 0.25%
```
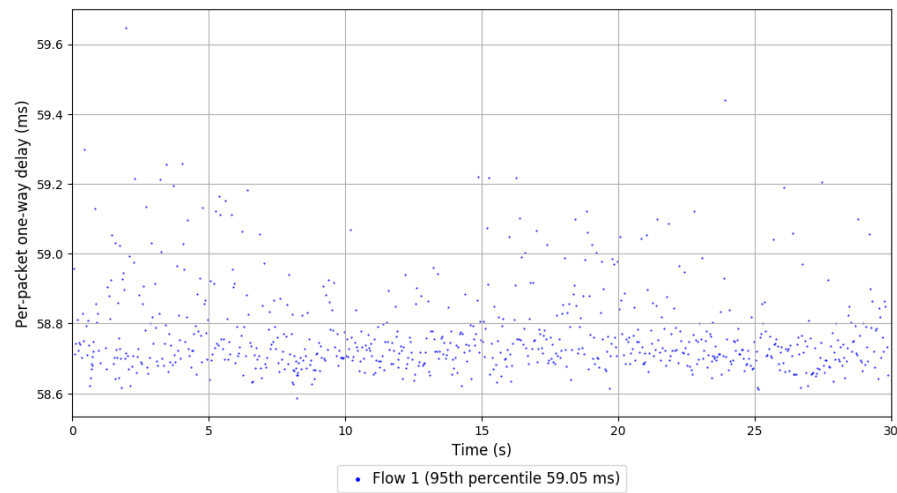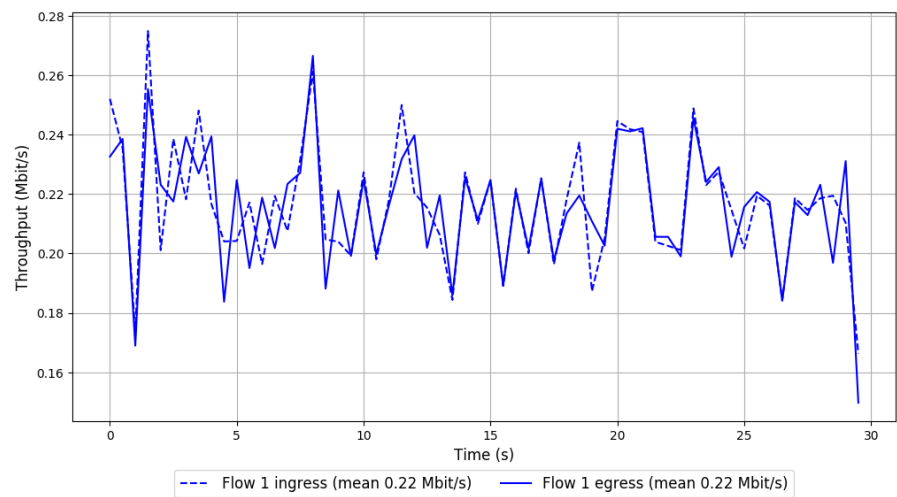
Run 2: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 59.05 ms)

```
Run 3: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 22:44:31 +0000
End at: Sun, 16 Jul 2017 22:45:01 +0000
Local clock offset: 0.558 ms
Remote clock offset: -6.531 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.649 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.649 ms
Loss rate: 0.25%
```
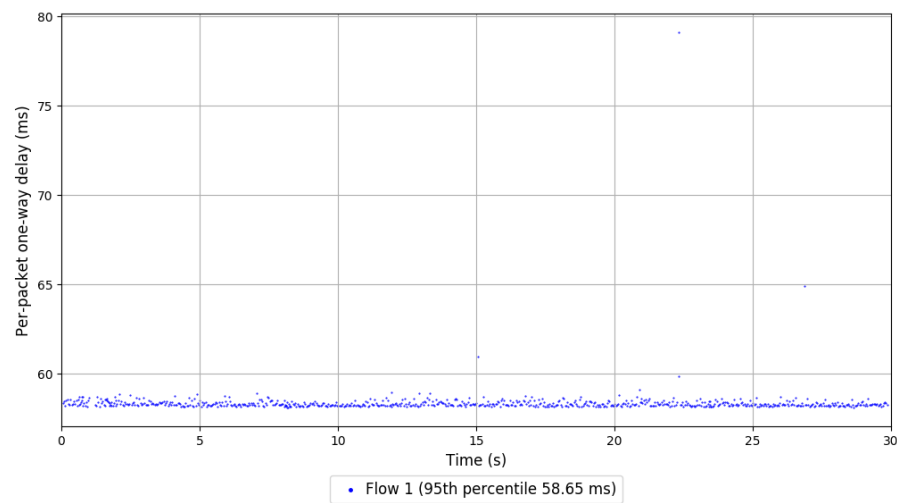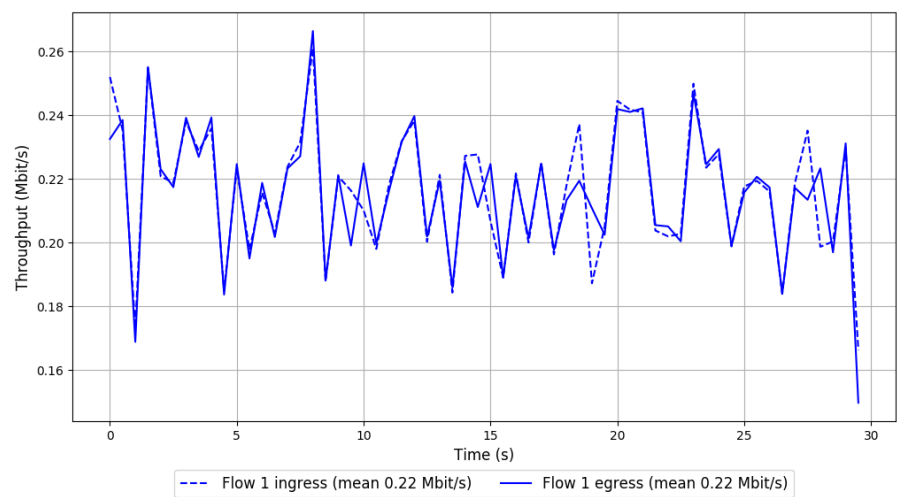
Run 3: Report of SCReAM — Data Link

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

• Flow 1 (95th percentile 58.65 ms)

```
Run 4: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 23:01:49 +0000
End at: Sun, 16 Jul 2017 23:02:19 +0000
Local clock offset: 0.297 ms
Remote clock offset: -7.16 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.530 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.530 ms
Loss rate: 0.38%
```
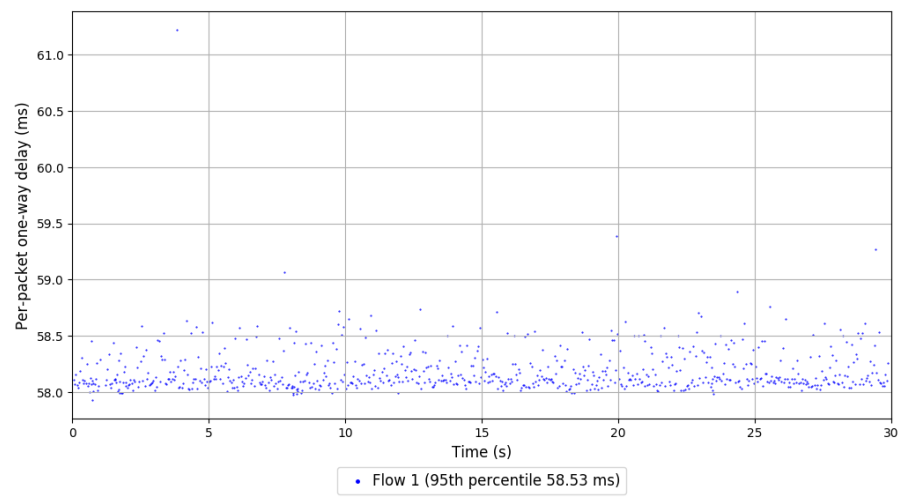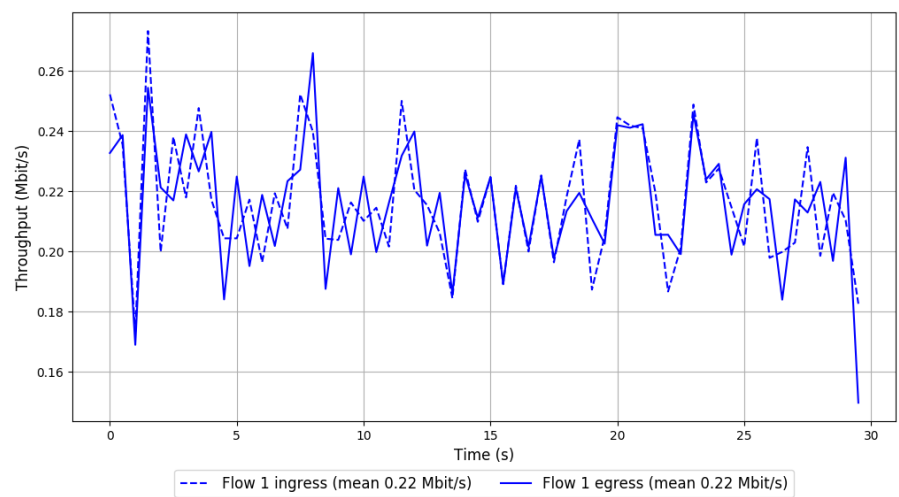
Run 4: Report of SCReAM — Data Link

```
Run 5: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 23:19:25 +0000
End at: Sun, 16 Jul 2017 23:19:55 +0000
Local clock offset: 0.461 ms
Remote clock offset: -6.603 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.210 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.210 ms
Loss rate: 0.38%
```
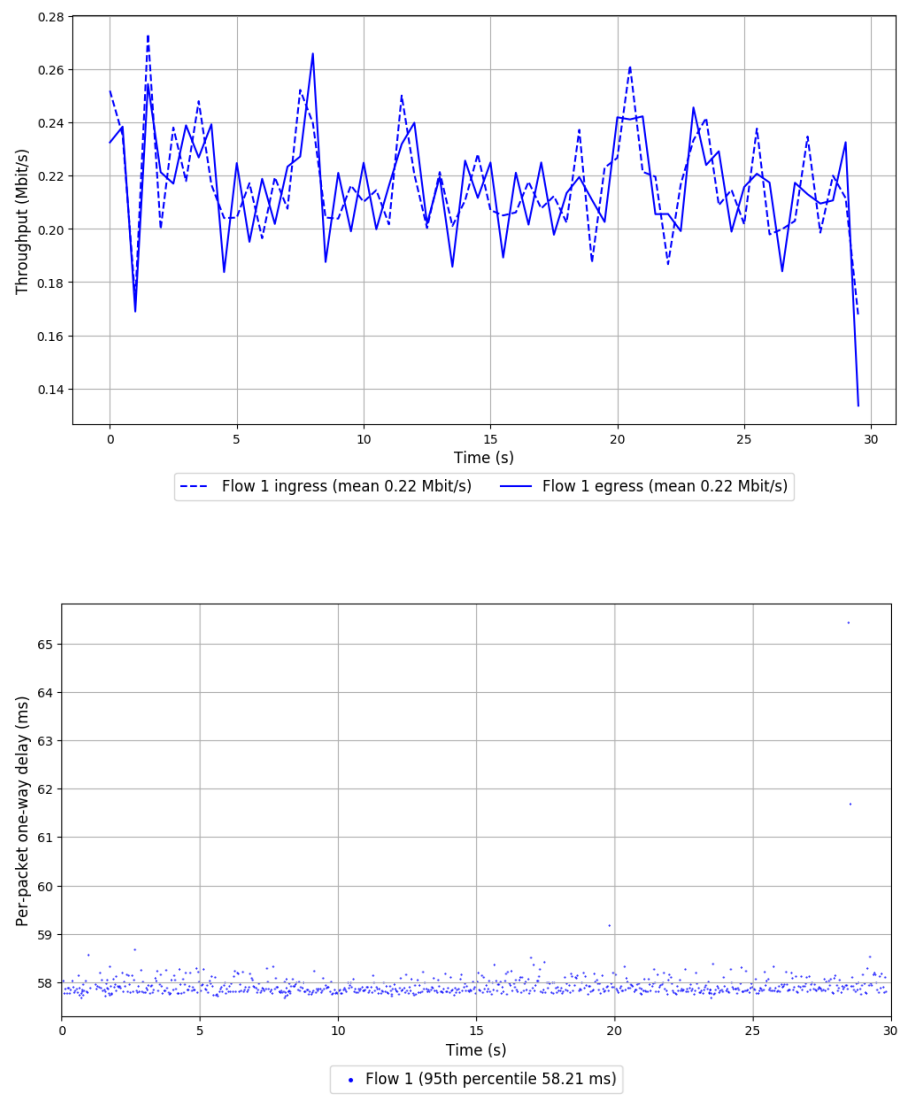
Run 5: Report of SCReAM — Data Link

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```
Run 6: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 23:37:03 +0000
End at: Sun, 16 Jul 2017 23:37:33 +0000
Local clock offset: 0.549 ms
Remote clock offset: -6.924 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.793 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.793 ms
Loss rate: 0.25%
```
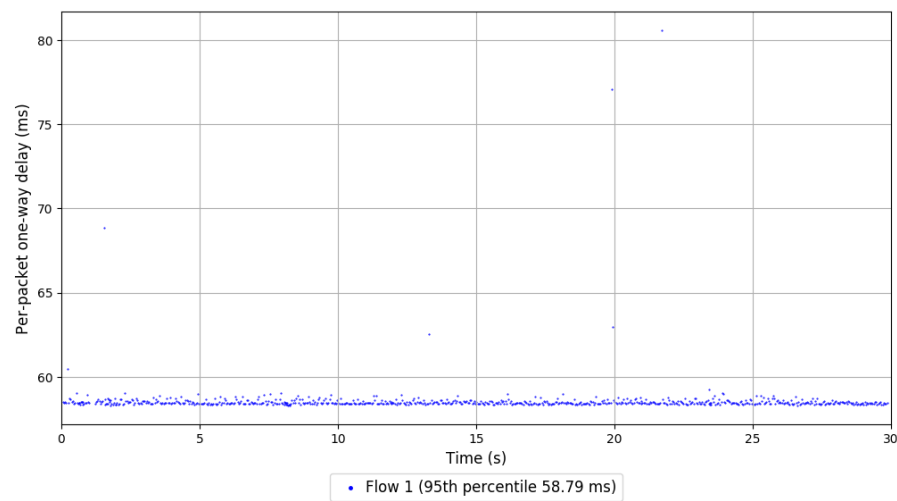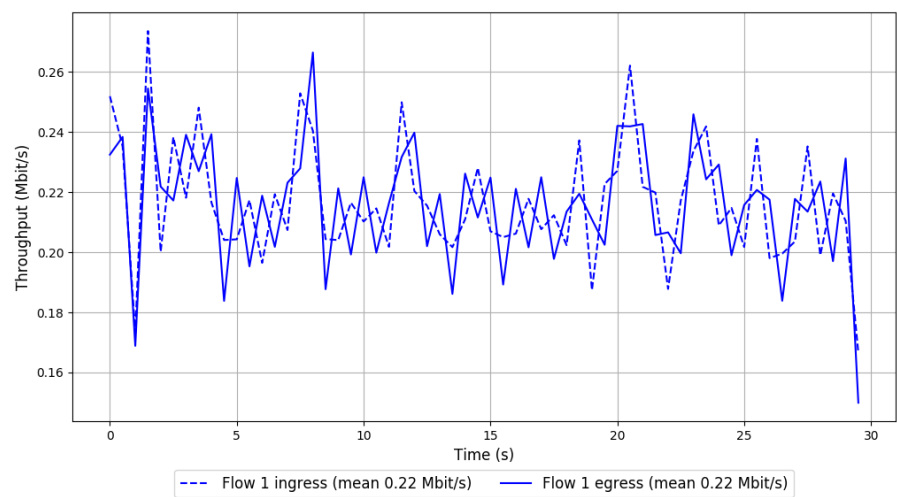
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 58.79 ms)

```
Run 7: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 23:54:31 +0000
End at: Sun, 16 Jul 2017 23:55:01 +0000
Local clock offset: 0.51 ms
Remote clock offset: -6.715 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.655 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.655 ms
Loss rate: 0.25%
```
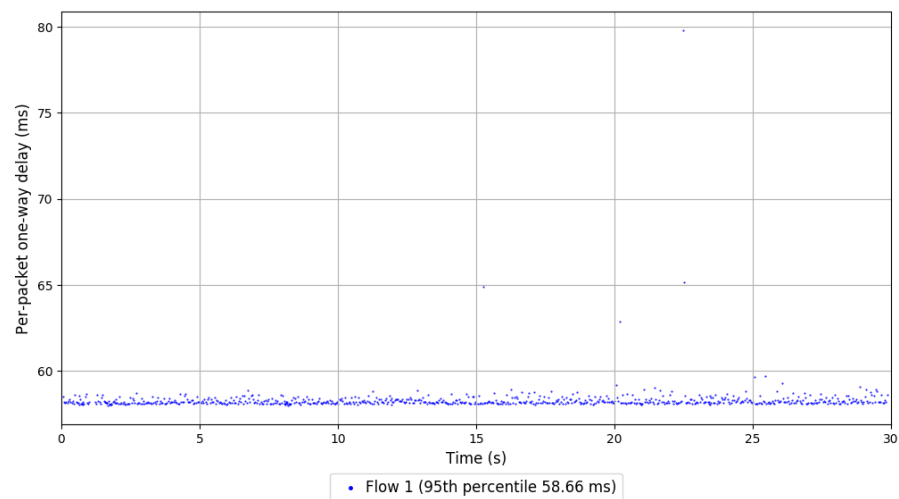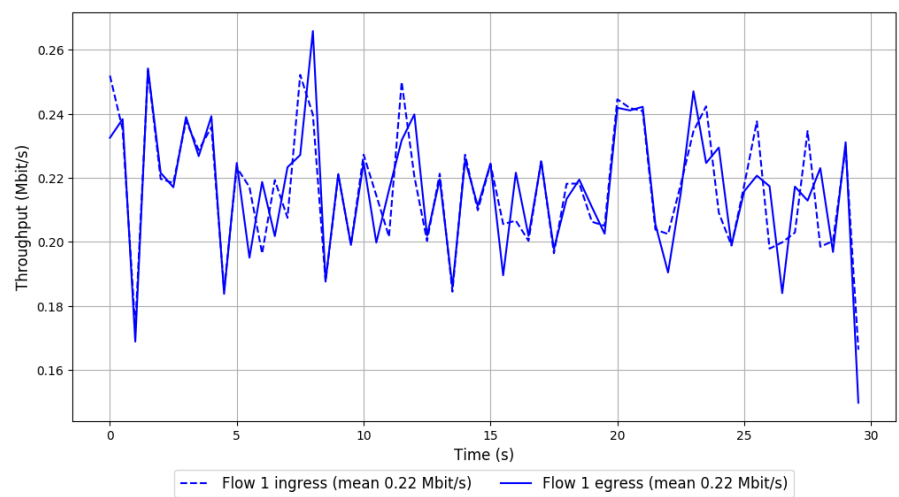
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: Mon, 17 Jul 2017 00:11:46 +0000
End at: Mon, 17 Jul 2017 00:12:16 +0000
Local clock offset: 0.573 ms
Remote clock offset: -6.008 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.270 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.270 ms
Loss rate: 0.25%
```
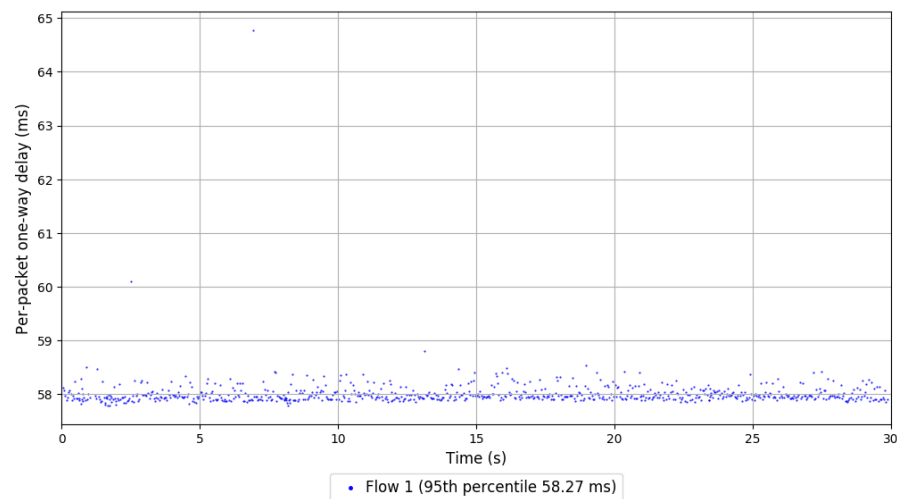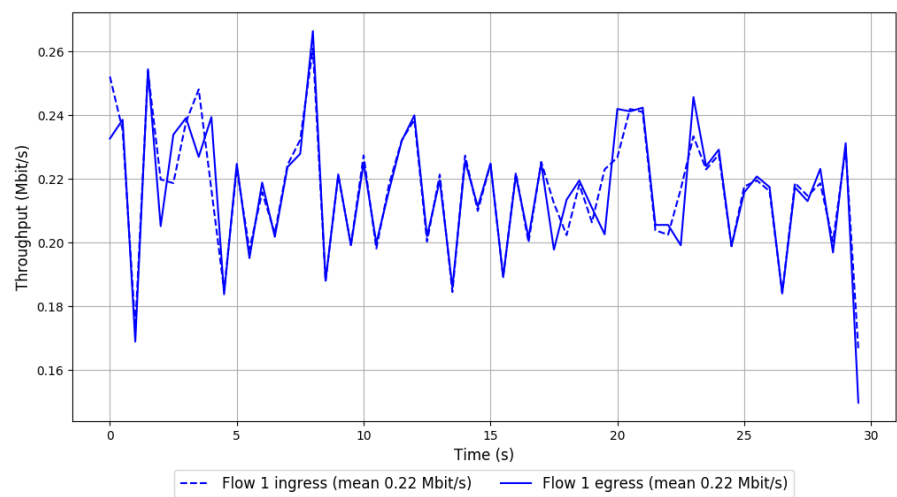
Run 8: Report of SCReAM — Data Link

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

• Flow 1 (95th percentile 58.27 ms)

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```
Run 9: Statistics of SCReAM

Start at: Mon, 17 Jul 2017 00:29:12 +0000
End at: Mon, 17 Jul 2017 00:29:42 +0000
Local clock offset: 0.554 ms
Remote clock offset: -5.833 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.957 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 58.957 ms
Loss rate: 0.25%
```
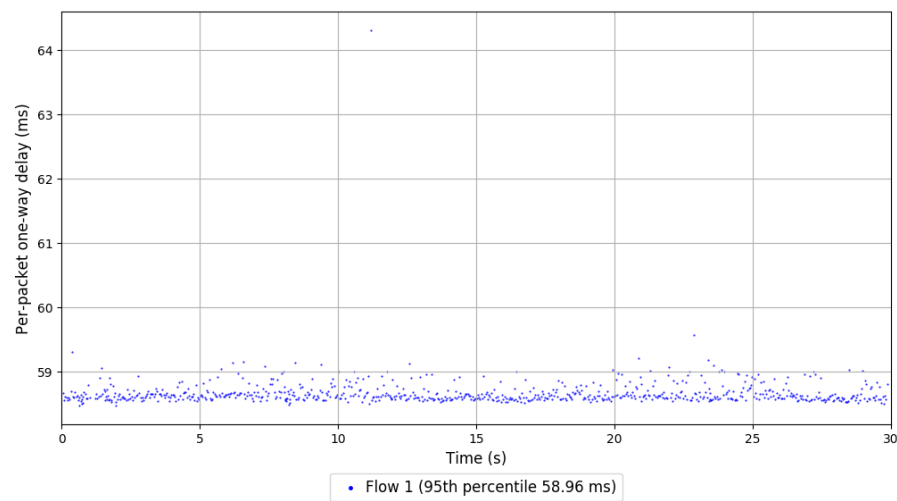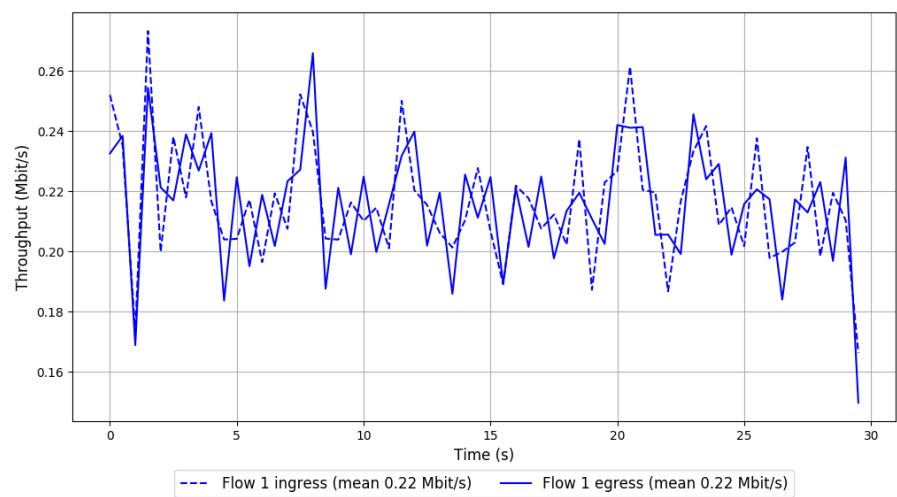
Run 9: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 58.96 ms)

```
Run 10: Statistics of SCReAM

Start at: Mon, 17 Jul 2017 00:46:34 +0000
End at: Mon, 17 Jul 2017 00:47:04 +0000
Local clock offset: 0.492 ms
Remote clock offset: -5.581 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.811 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 57.811 ms
Loss rate: 0.25%
```
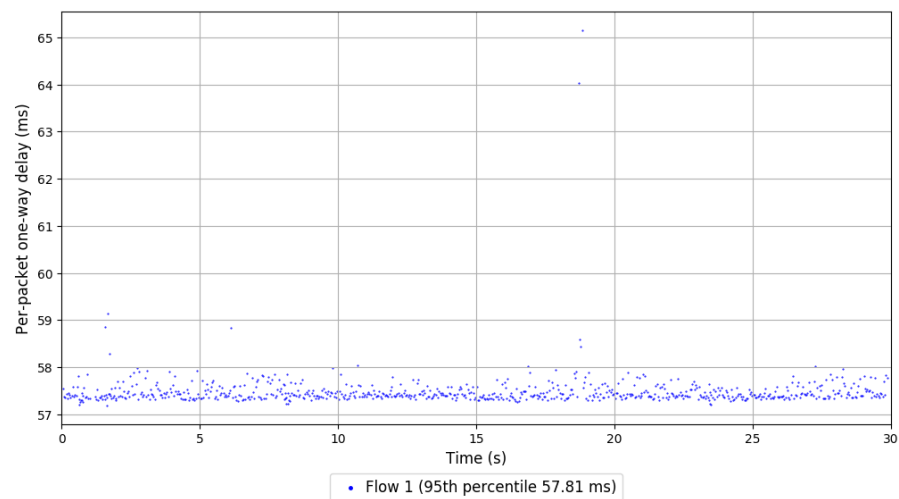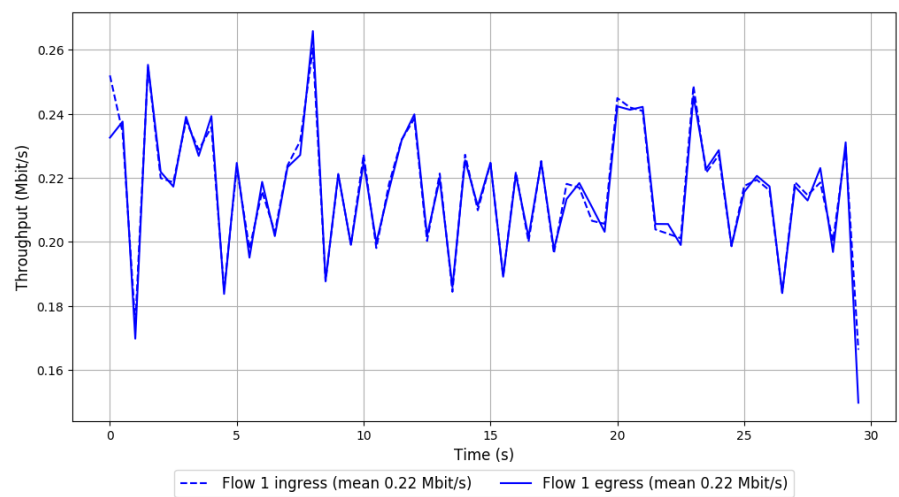
Run 10: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 57.81 ms)
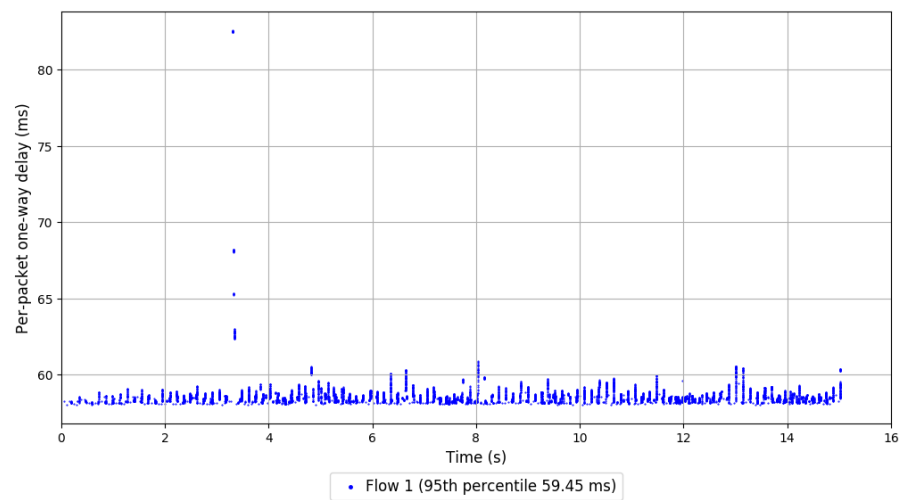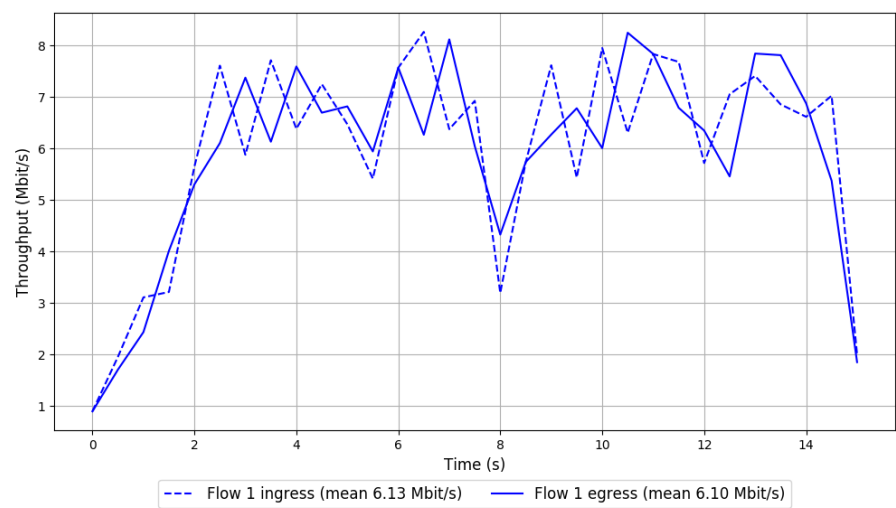
```
Run 1: Statistics of Sprout

Start at: Sun, 16 Jul 2017 22:05:05 +0000
End at: Sun, 16 Jul 2017 22:05:35 +0000
Local clock offset: 0.319 ms
Remote clock offset: -6.16 ms
```

Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: Sun, 16 Jul 2017 22:22:25 +0000
End at: Sun, 16 Jul 2017 22:22:55 +0000
Local clock offset: 0.305 ms
Remote clock offset: -6.621 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 59.117 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 7.53 Mbit/s
95th percentile per-packet one-way delay: 59.117 ms
Loss rate: 0.54%
```
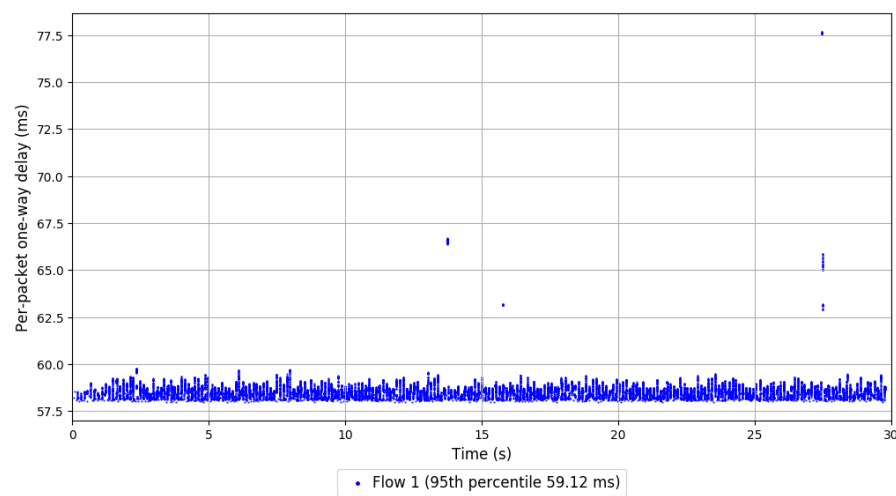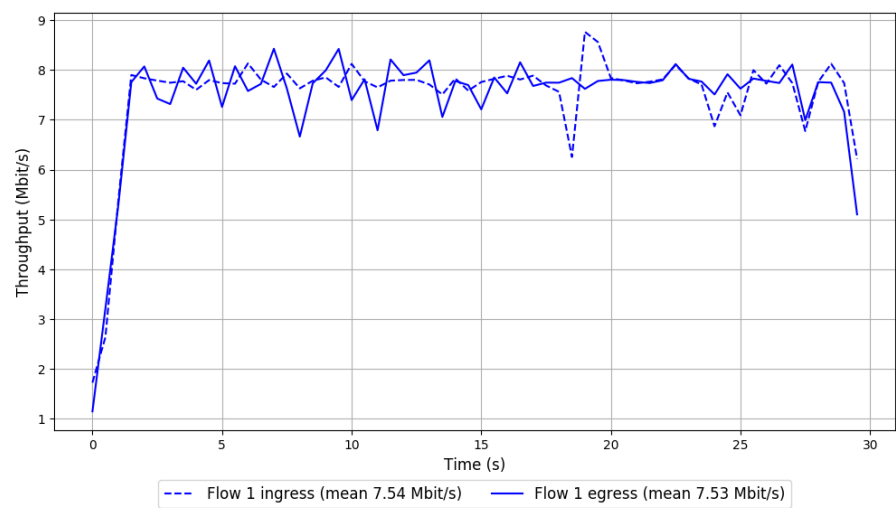
Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 7.54 Mbit/s)   Flow 1 egress (mean 7.53 Mbit/s)

Flow 1 (95th percentile 59.12 ms)

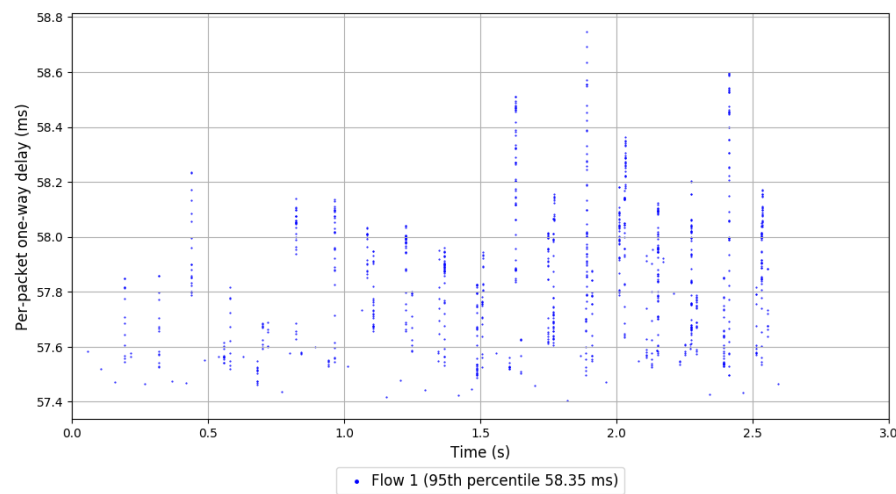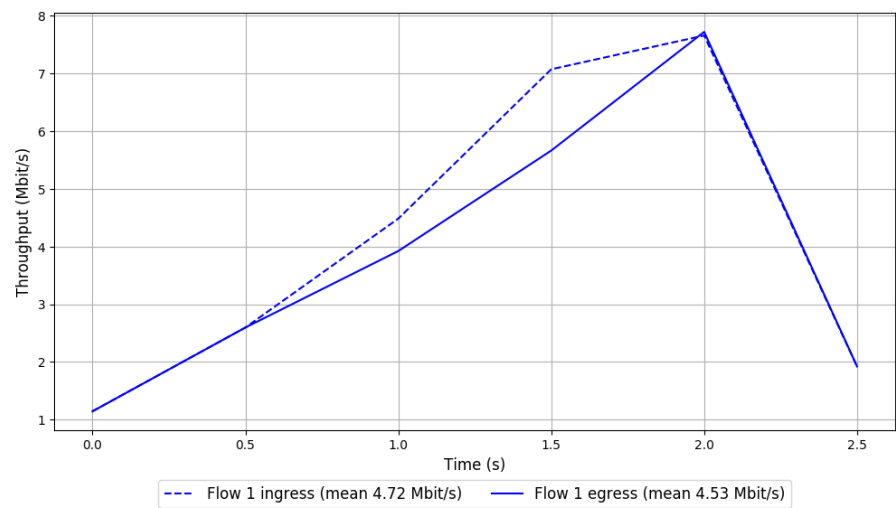Run 3: Statistics of Sprout

Start at: Sun, 16 Jul 2017 22:39:56 +0000
End at: Sun, 16 Jul 2017 22:40:26 +0000
Local clock offset: 0.393 ms
Remote clock offset: -6.252 ms

Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 4.72 Mbit/s)   Flow 1 egress (mean 4.53 Mbit/s)

Flow 1 (95th percentile 58.35 ms)

```
Run 4: Statistics of Sprout

Start at: Sun, 16 Jul 2017 22:57:17 +0000
End at: Sun, 16 Jul 2017 22:57:48 +0000
Local clock offset: 0.355 ms
Remote clock offset: -6.999 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 59.261 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 59.261 ms
Loss rate: 0.59%
```
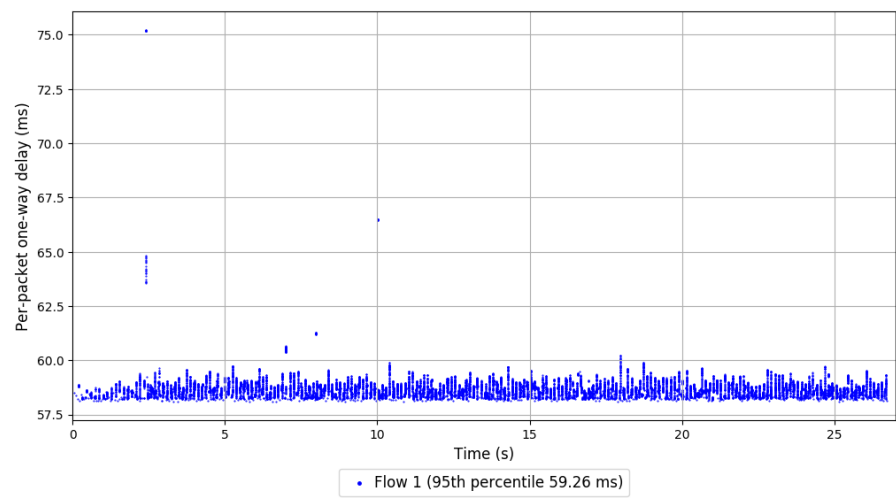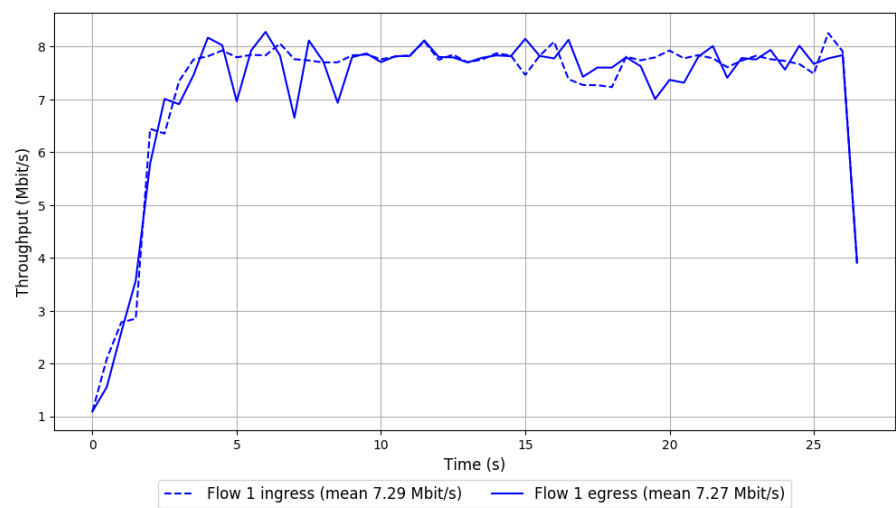
Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: Sun, 16 Jul 2017 23:14:50 +0000
End at: Sun, 16 Jul 2017 23:15:20 +0000
Local clock offset: 0.447 ms
Remote clock offset: -6.836 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 58.478 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 58.478 ms
Loss rate: 0.55%
```
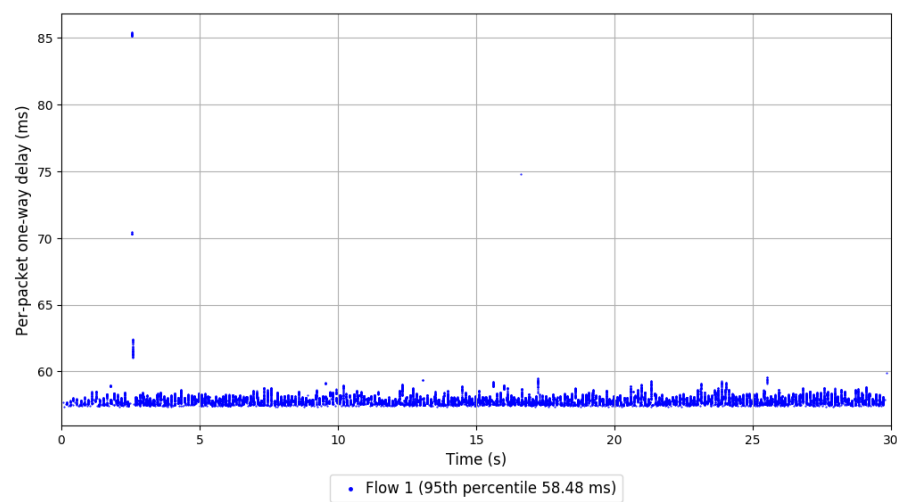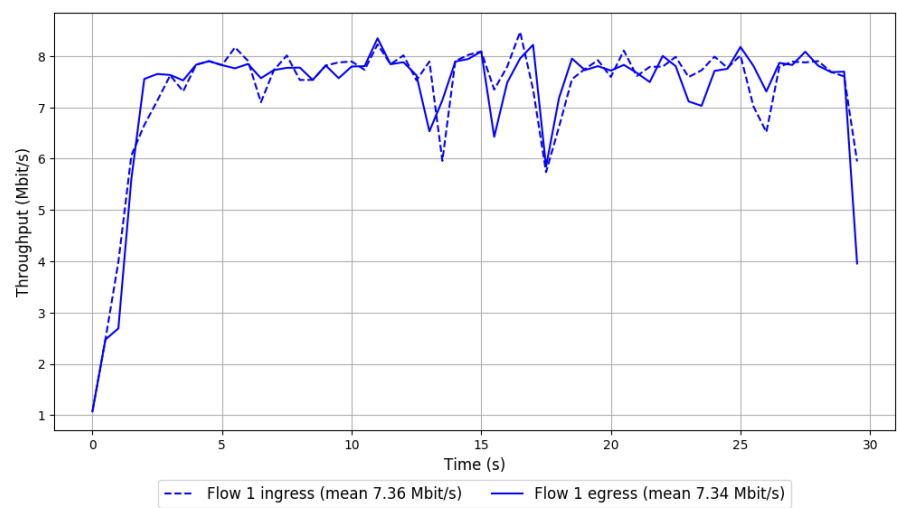
Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: Sun, 16 Jul 2017 23:32:29 +0000
End at: Sun, 16 Jul 2017 23:32:59 +0000
Local clock offset: 0.514 ms
Remote clock offset: -6.992 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 59.419 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 59.419 ms
Loss rate: 0.58%
```
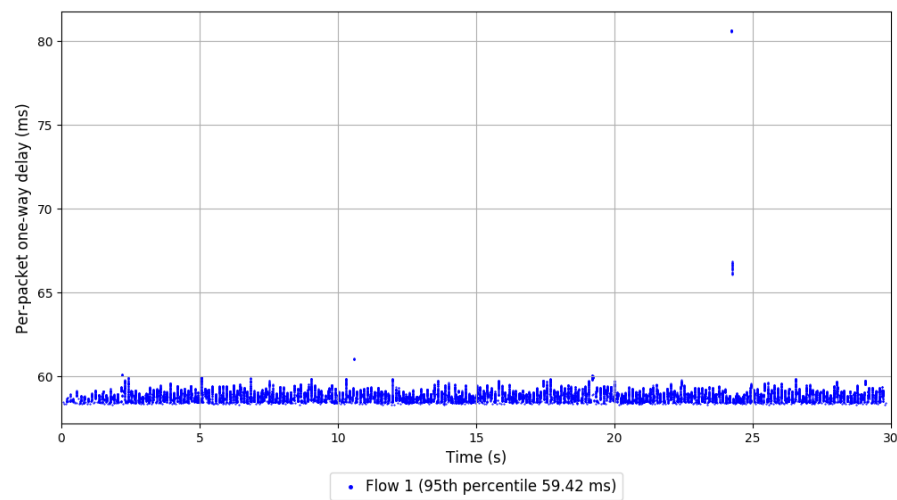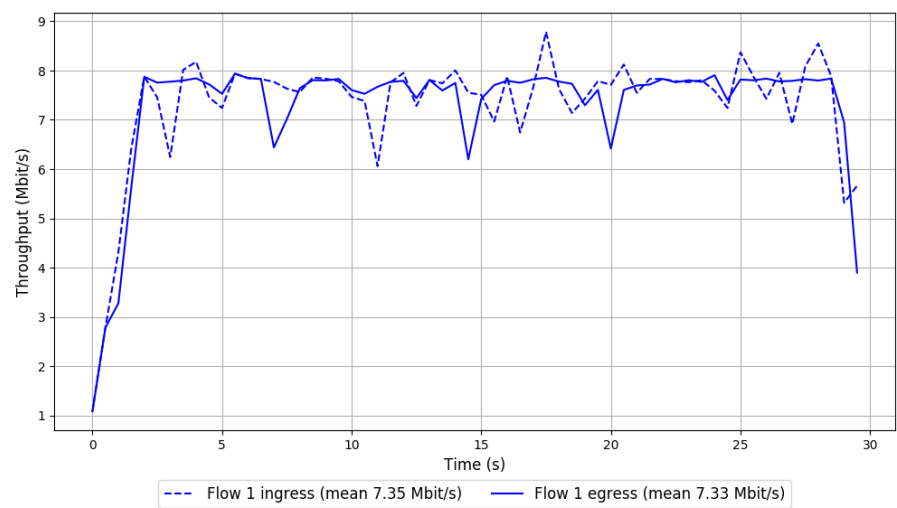
Run 6: Report of Sprout — Data Link

Flow 1 ingress (mean 7.35 Mbit/s)   Flow 1 egress (mean 7.33 Mbit/s)

• Flow 1 (95th percentile 59.42 ms)

```
Run 7: Statistics of Sprout

Start at: Sun, 16 Jul 2017 23:49:56 +0000
End at: Sun, 16 Jul 2017 23:50:26 +0000
Local clock offset: 0.549 ms
Remote clock offset: -6.714 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 59.167 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 7.02 Mbit/s
95th percentile per-packet one-way delay: 59.167 ms
Loss rate: 0.47%
```
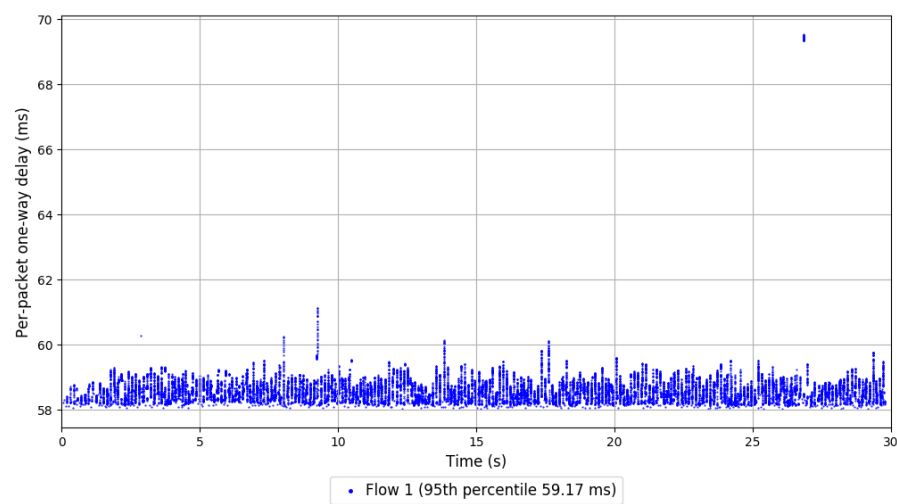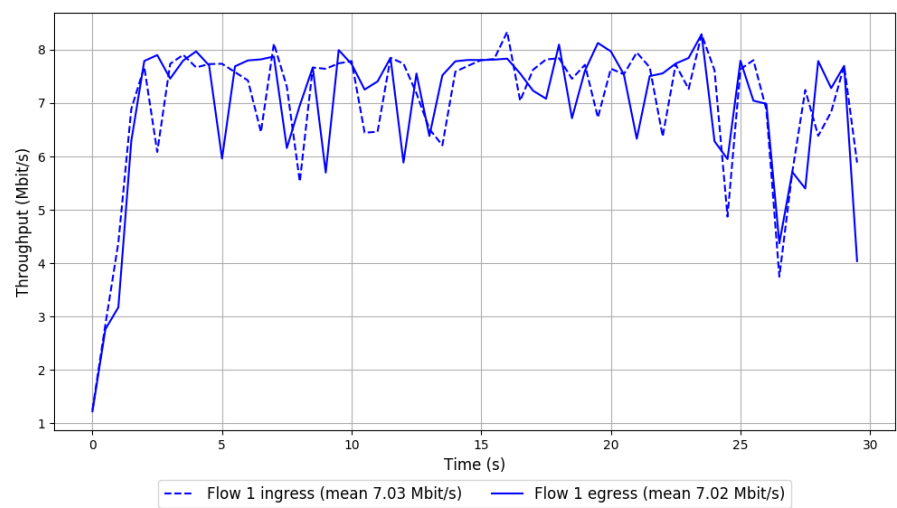
Run 7: Report of Sprout — Data Link
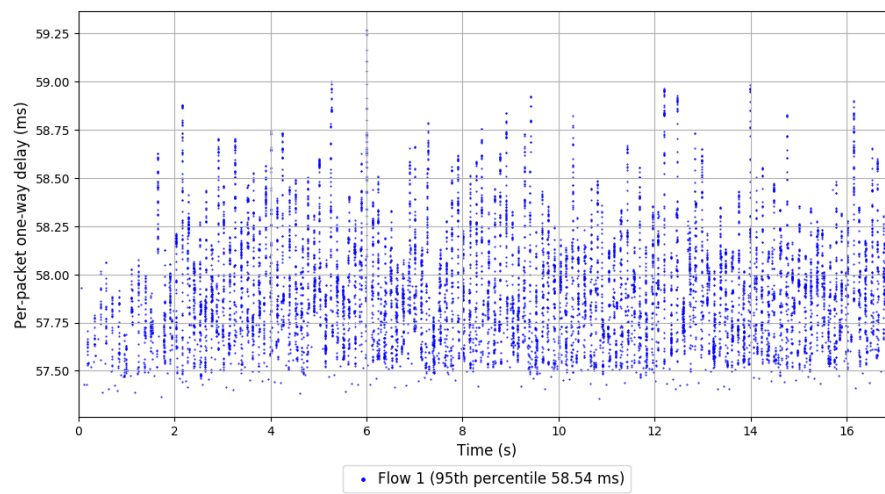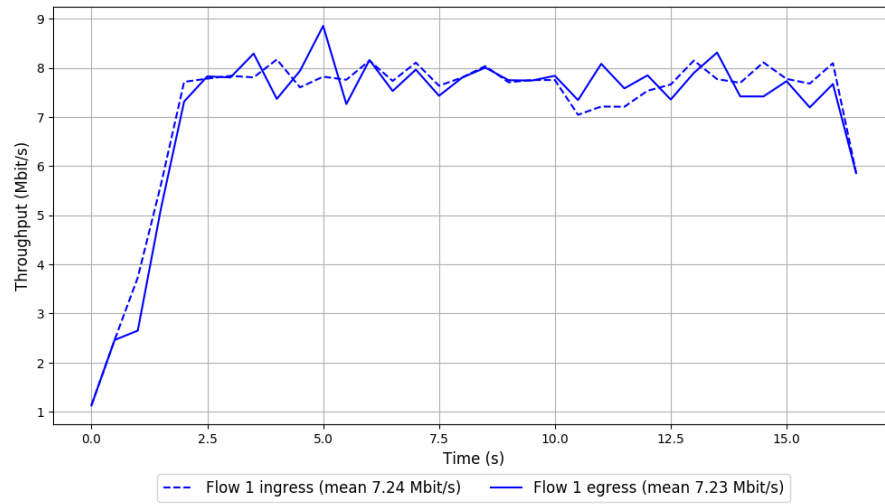
Run 8: Statistics of Sprout

Start at: Mon, 17 Jul 2017 00:07:12 +0000
End at: Mon, 17 Jul 2017 00:07:42 +0000
Local clock offset: 0.486 ms
Remote clock offset: -5.941 ms

Run 8: Report of Sprout — Data Link

Flow 1 ingress (mean 7.24 Mbit/s)   Flow 1 egress (mean 7.23 Mbit/s)

Flow 1 (95th percentile 58.54 ms)
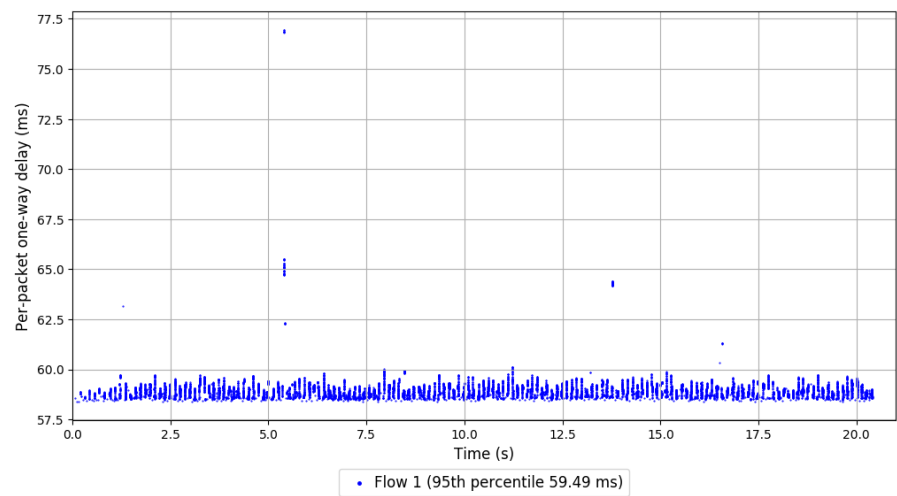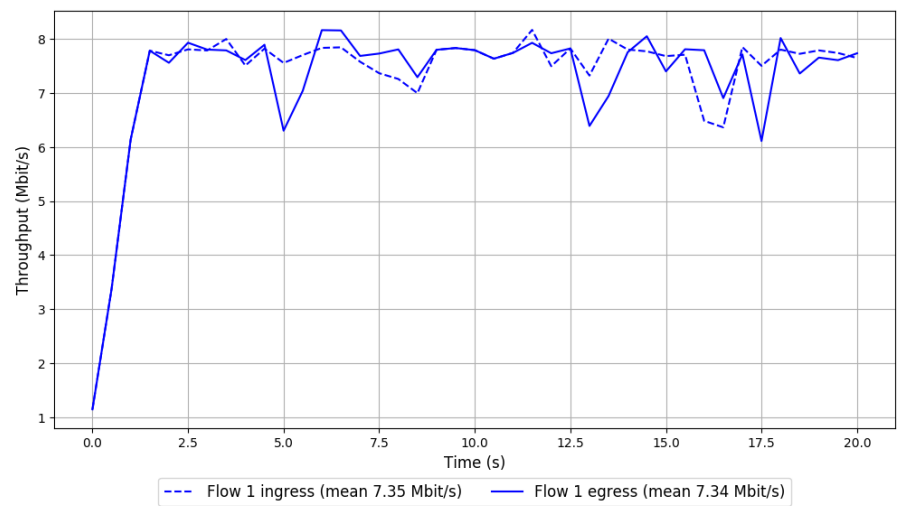
Run 9: Statistics of Sprout

Start at: Mon, 17 Jul 2017 00:24:38 +0000
End at: Mon, 17 Jul 2017 00:25:08 +0000
Local clock offset: 0.565 ms
Remote clock offset: -6.213 ms

Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 7.35 Mbit/s) — — — Flow 1 egress (mean 7.34 Mbit/s)

Flow 1 (95th percentile 59.49 ms)

```
Run 10: Statistics of Sprout

Start at: Mon, 17 Jul 2017 00:42:00 +0000
End at: Mon, 17 Jul 2017 00:42:30 +0000
Local clock offset: 0.535 ms
Remote clock offset: -6.114 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 59.488 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 6.91 Mbit/s
95th percentile per-packet one-way delay: 59.488 ms
Loss rate: 0.64%
```
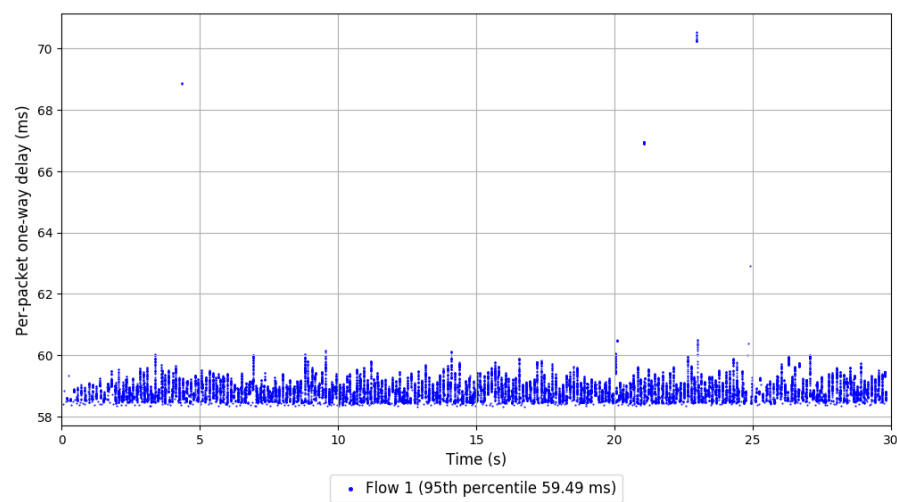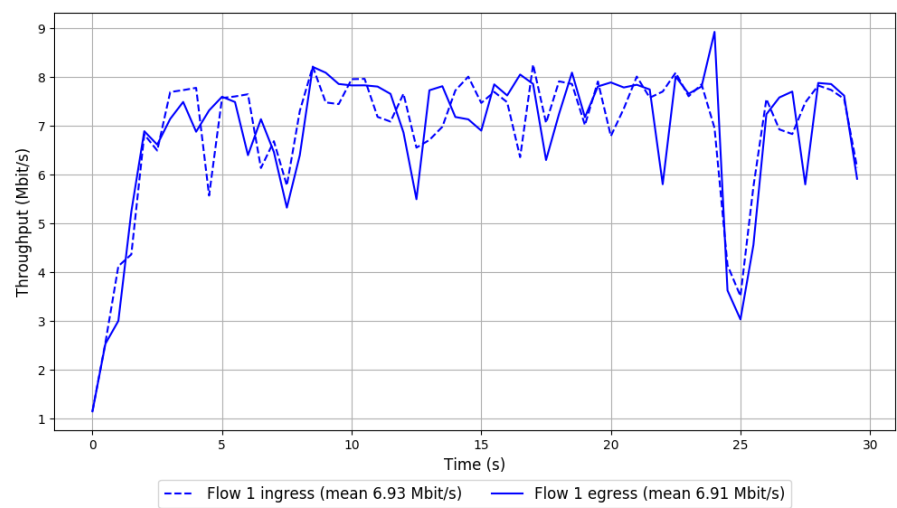
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 6.93 Mbit/s)   Flow 1 egress (mean 6.91 Mbit/s)

• Flow 1 (95th percentile 59.49 ms)

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

Start at: Sun, 16 Jul 2017 22:10:44 +0000
End at: Sun, 16 Jul 2017 22:11:14 +0000
Local clock offset: 0.383 ms
Remote clock offset: -6.04 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.46 Mbit/s
95th percentile per-packet one-way delay: 71.134 ms
Loss rate: 14.48%
-- Flow 1:
Average throughput: 65.46 Mbit/s
95th percentile per-packet one-way delay: 71.134 ms
Loss rate: 14.48%
```
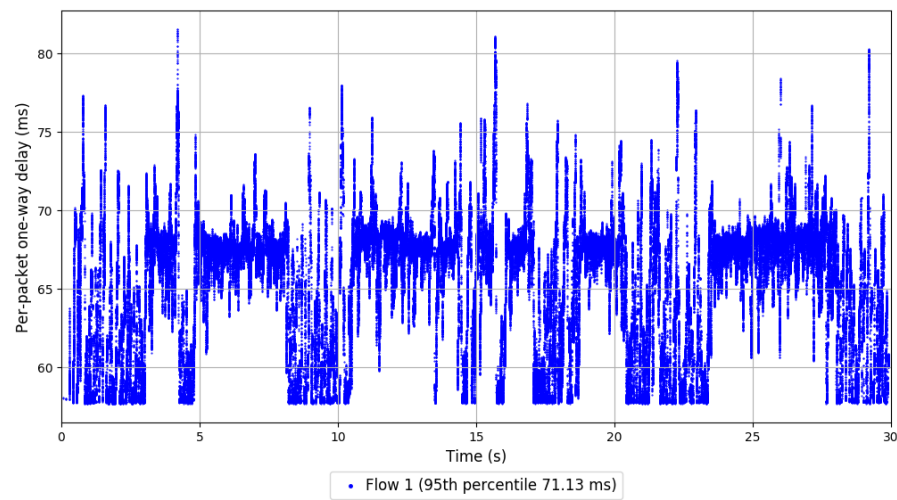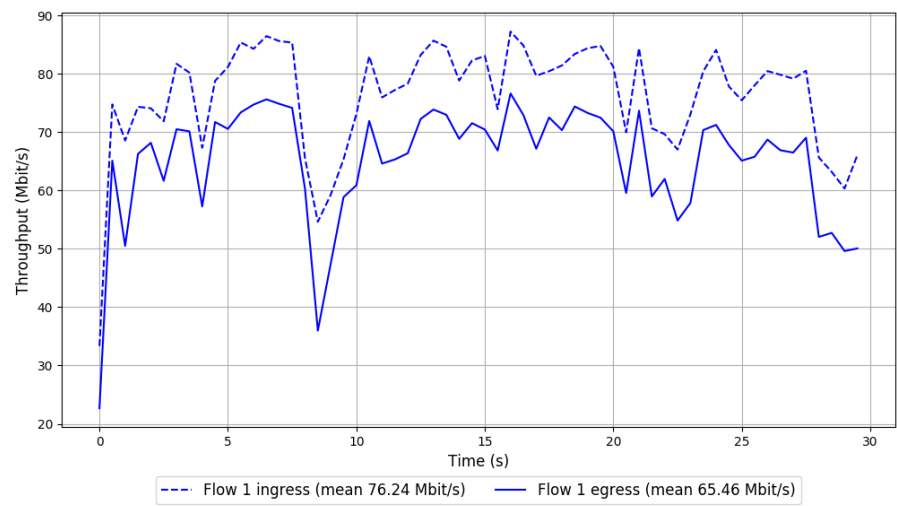
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 76.24 Mbit/s)　　Flow 1 egress (mean 65.46 Mbit/s)

Flow 1 (95th percentile 71.13 ms)

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

Start at: Sun, 16 Jul 2017 22:28:06 +0000
End at: Sun, 16 Jul 2017 22:28:36 +0000
Local clock offset: 0.382 ms
Remote clock offset: -6.075 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.15 Mbit/s
95th percentile per-packet one-way delay: 70.045 ms
Loss rate: 14.86%
-- Flow 1:
Average throughput: 68.15 Mbit/s
95th percentile per-packet one-way delay: 70.045 ms
Loss rate: 14.86%
```
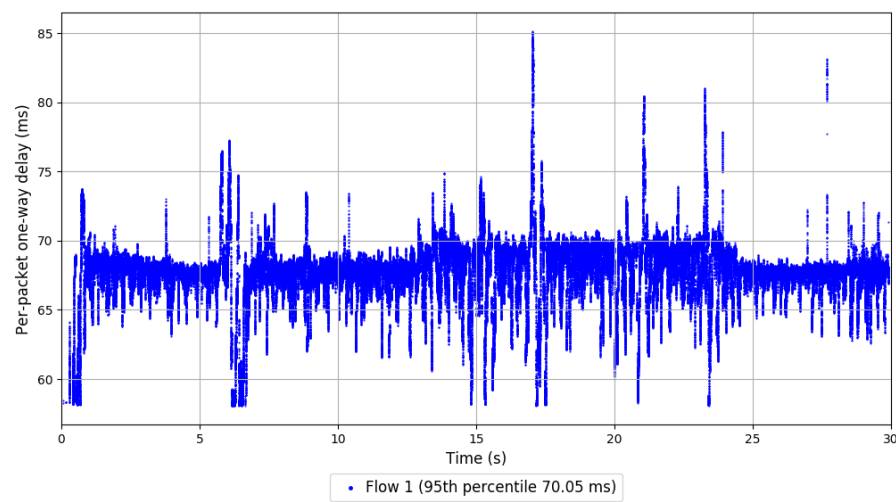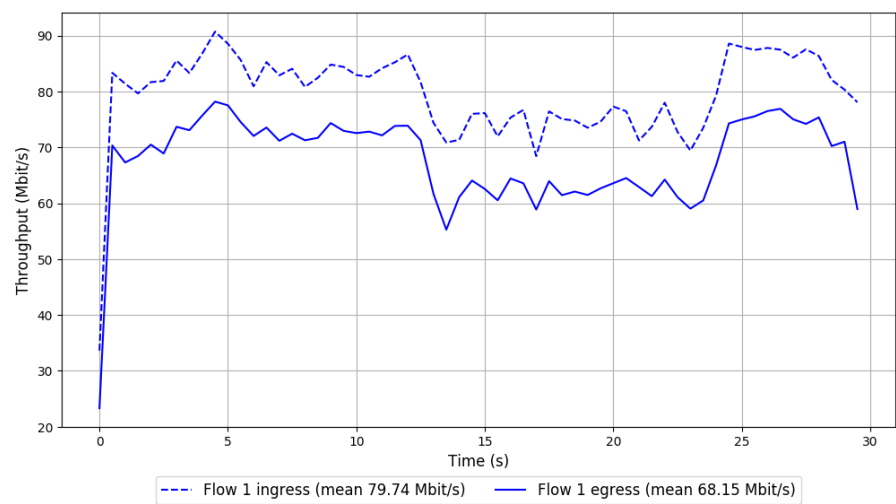
Run 2: Report of TaoVA-100x — Data Link

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

Start at: Sun, 16 Jul 2017 22:45:37 +0000
End at: Sun, 16 Jul 2017 22:46:07 +0000
Local clock offset: 0.498 ms
Remote clock offset: -6.714 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.48 Mbit/s
95th percentile per-packet one-way delay: 69.912 ms
Loss rate: 13.61%
-- Flow 1:
Average throughput: 69.48 Mbit/s
95th percentile per-packet one-way delay: 69.912 ms
Loss rate: 13.61%
```
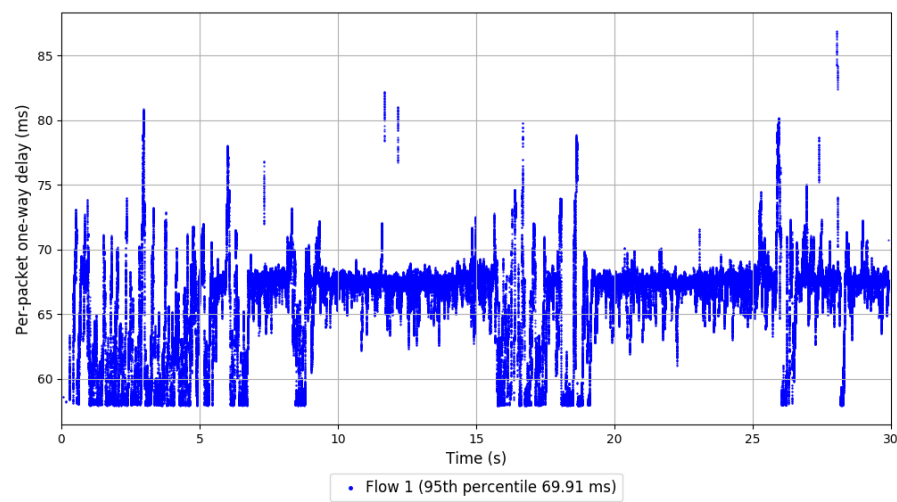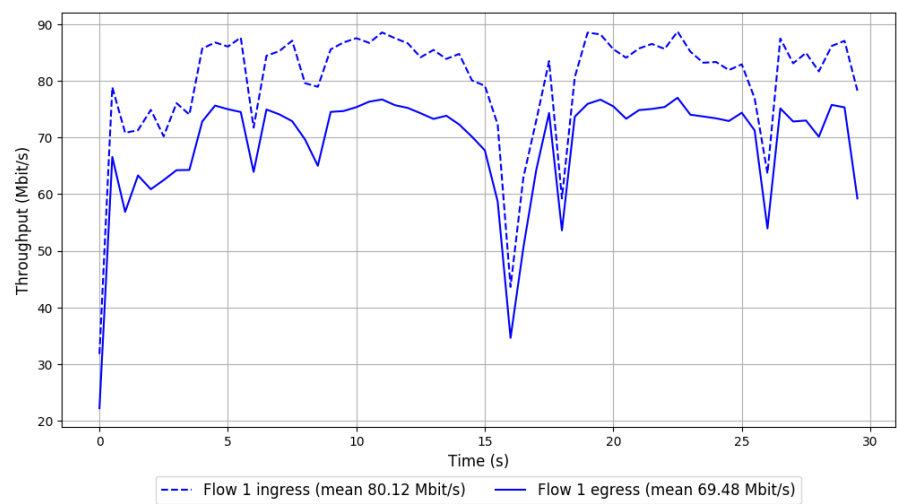
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 80.12 Mbit/s) ----- Flow 1 egress (mean 69.48 Mbit/s)

• Flow 1 (95th percentile 69.91 ms)

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

Start at: Sun, 16 Jul 2017 23:02:55 +0000
End at: Sun, 16 Jul 2017 23:03:25 +0000
Local clock offset: 0.408 ms
Remote clock offset: -7.261 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 73.019 ms
Loss rate: 14.44%
-- Flow 1:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 73.019 ms
Loss rate: 14.44%
```
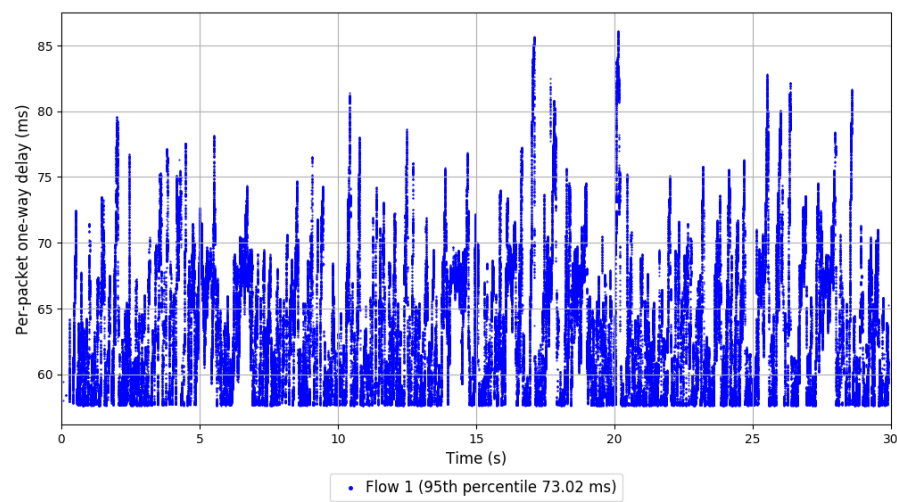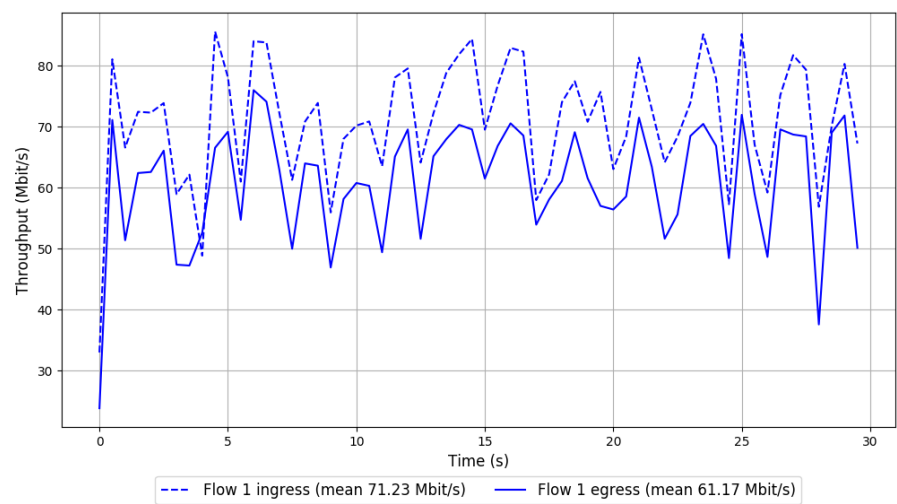
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 71.23 Mbit/s) --- Flow 1 egress (mean 61.17 Mbit/s)

Flow 1 (95th percentile 73.02 ms)

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

Start at: Sun, 16 Jul 2017 23:20:30 +0000
End at: Sun, 16 Jul 2017 23:21:00 +0000
Local clock offset: 0.472 ms
Remote clock offset: -6.185 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:20:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 71.334 ms
Loss rate: 16.71%
-- Flow 1:
Average throughput: 56.87 Mbit/s
95th percentile per-packet one-way delay: 71.334 ms
Loss rate: 16.71%
```
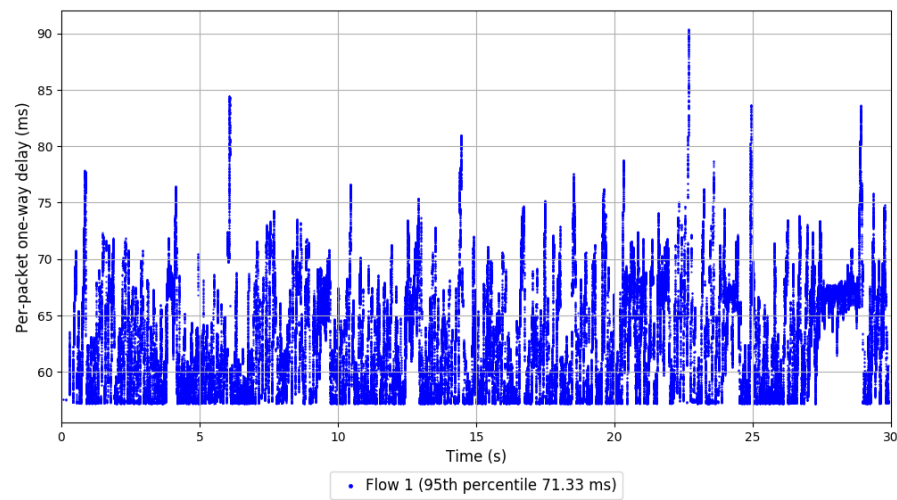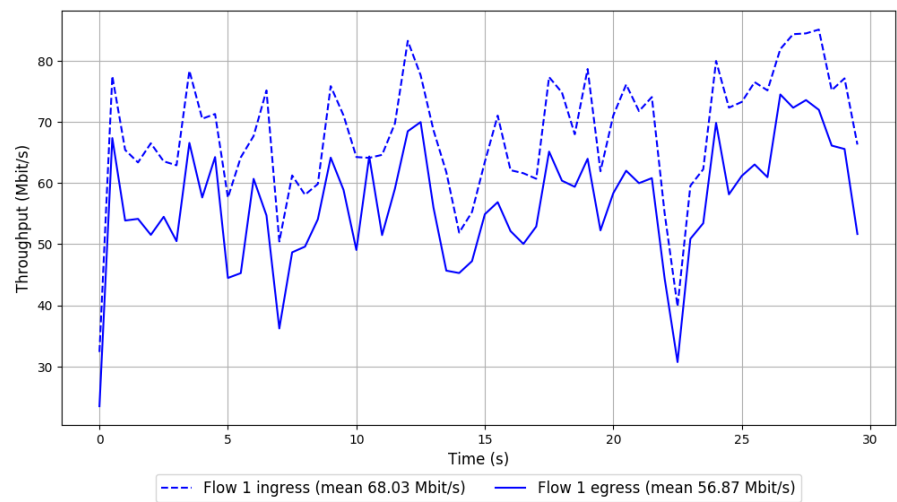
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 68.03 Mbit/s) --- Flow 1 egress (mean 56.87 Mbit/s)

Flow 1 (95th percentile 71.33 ms)

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

Start at: Sun, 16 Jul 2017 23:38:09 +0000
End at: Sun, 16 Jul 2017 23:38:39 +0000
Local clock offset: 0.589 ms
Remote clock offset: -6.841 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.00 Mbit/s
95th percentile per-packet one-way delay: 71.863 ms
Loss rate: 14.79%
-- Flow 1:
Average throughput: 64.00 Mbit/s
95th percentile per-packet one-way delay: 71.863 ms
Loss rate: 14.79%
```
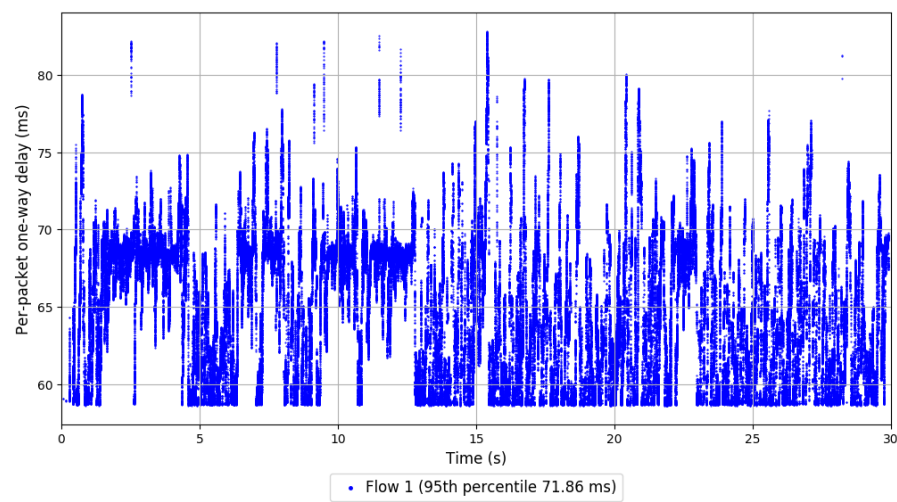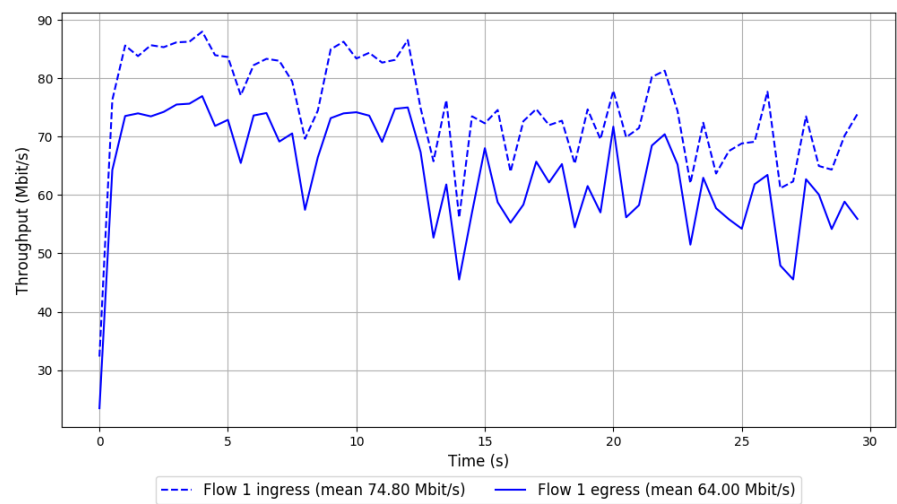
Run 6: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 74.80 Mbit/s)   Flow 1 egress (mean 64.00 Mbit/s)

Flow 1 (95th percentile 71.86 ms)

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

Start at: Sun, 16 Jul 2017 23:55:36 +0000
End at: Sun, 16 Jul 2017 23:56:06 +0000
Local clock offset: 0.46 ms
Remote clock offset: -6.327 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 73.223 ms
Loss rate: 16.23%
-- Flow 1:
Average throughput: 56.47 Mbit/s
95th percentile per-packet one-way delay: 73.223 ms
Loss rate: 16.23%
```
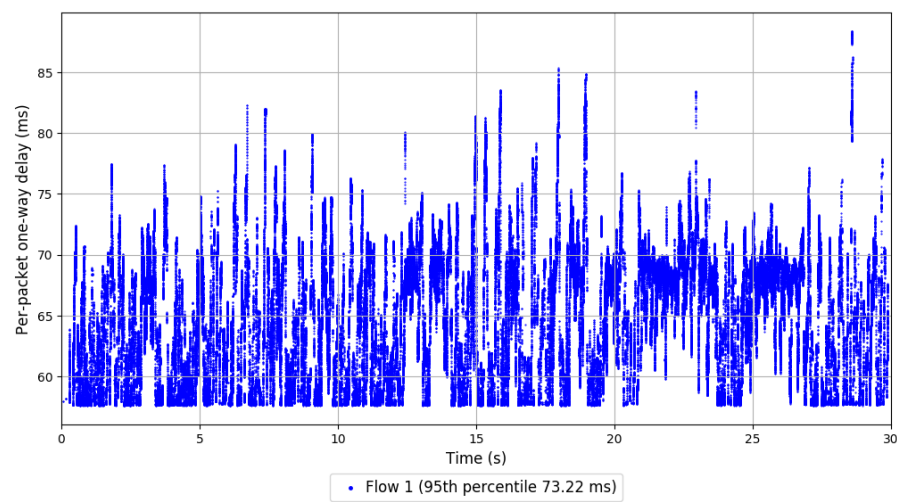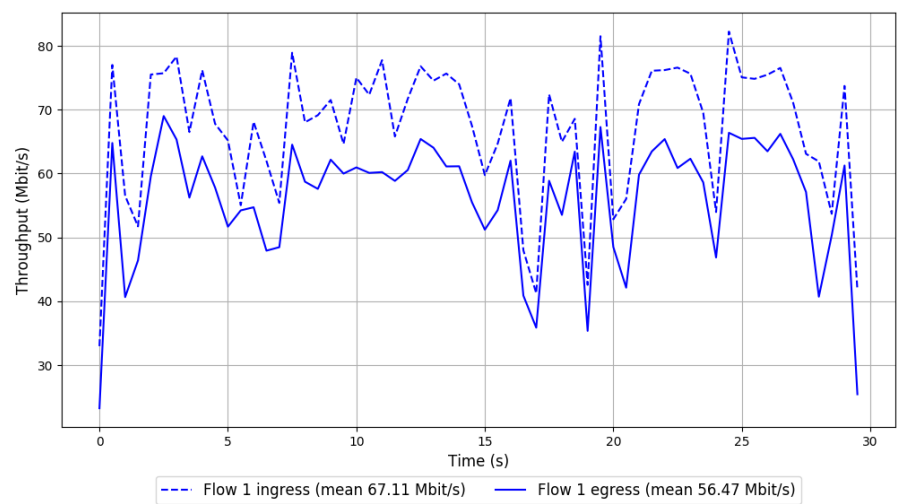
Run 7: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 67.11 Mbit/s)   Flow 1 egress (mean 56.47 Mbit/s)

Flow 1 (95th percentile 73.22 ms)

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

Start at: Mon, 17 Jul 2017 00:12:52 +0000
End at: Mon, 17 Jul 2017 00:13:22 +0000
Local clock offset: 0.564 ms
Remote clock offset: -6.115 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.30 Mbit/s
95th percentile per-packet one-way delay: 70.765 ms
Loss rate: 13.96%
-- Flow 1:
Average throughput: 70.30 Mbit/s
95th percentile per-packet one-way delay: 70.765 ms
Loss rate: 13.96%
```
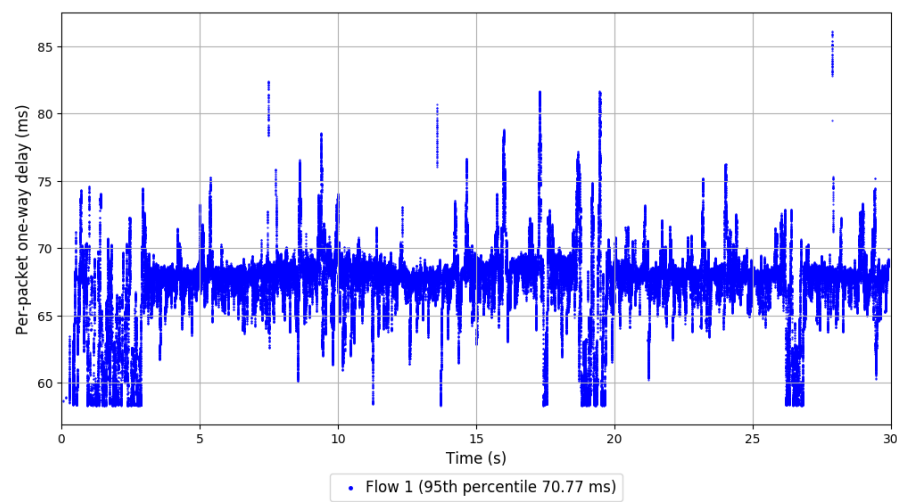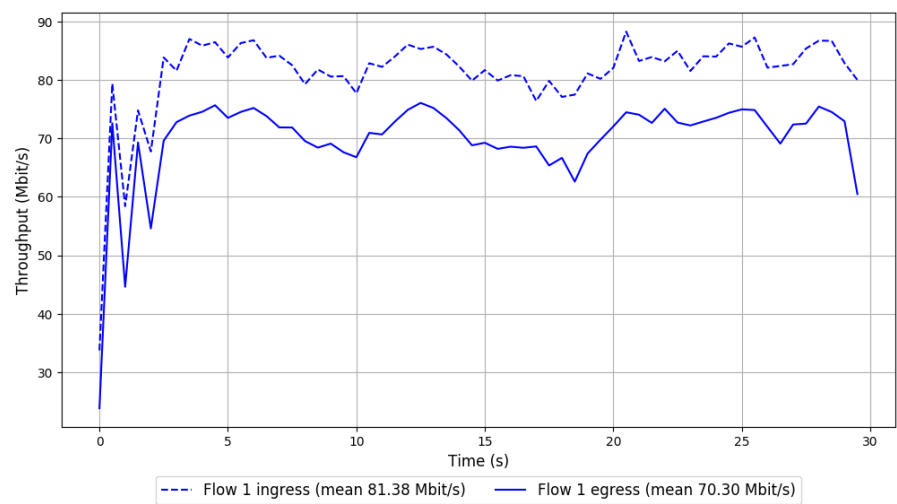
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 81.38 Mbit/s)   Flow 1 egress (mean 70.30 Mbit/s)

• Flow 1 (95th percentile 70.77 ms)

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

Start at: Mon, 17 Jul 2017 00:30:18 +0000
End at: Mon, 17 Jul 2017 00:30:48 +0000
Local clock offset: 0.547 ms
Remote clock offset: -5.776 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 72.008 ms
Loss rate: 15.01%
-- Flow 1:
Average throughput: 63.57 Mbit/s
95th percentile per-packet one-way delay: 72.008 ms
Loss rate: 15.01%
```
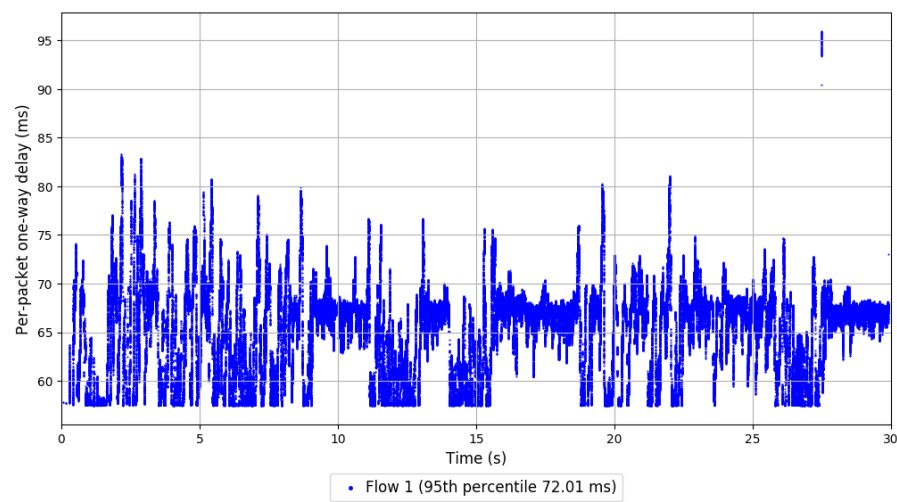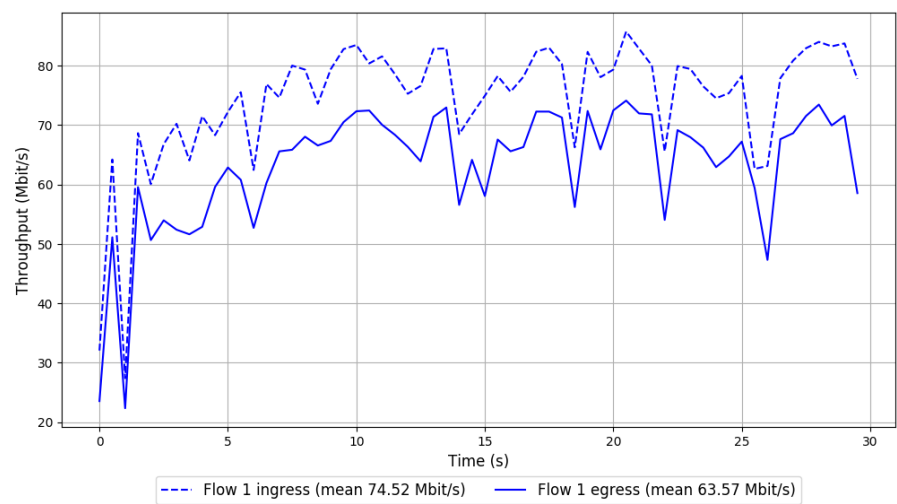
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 74.52 Mbit/s) --- Flow 1 egress (mean 63.57 Mbit/s)

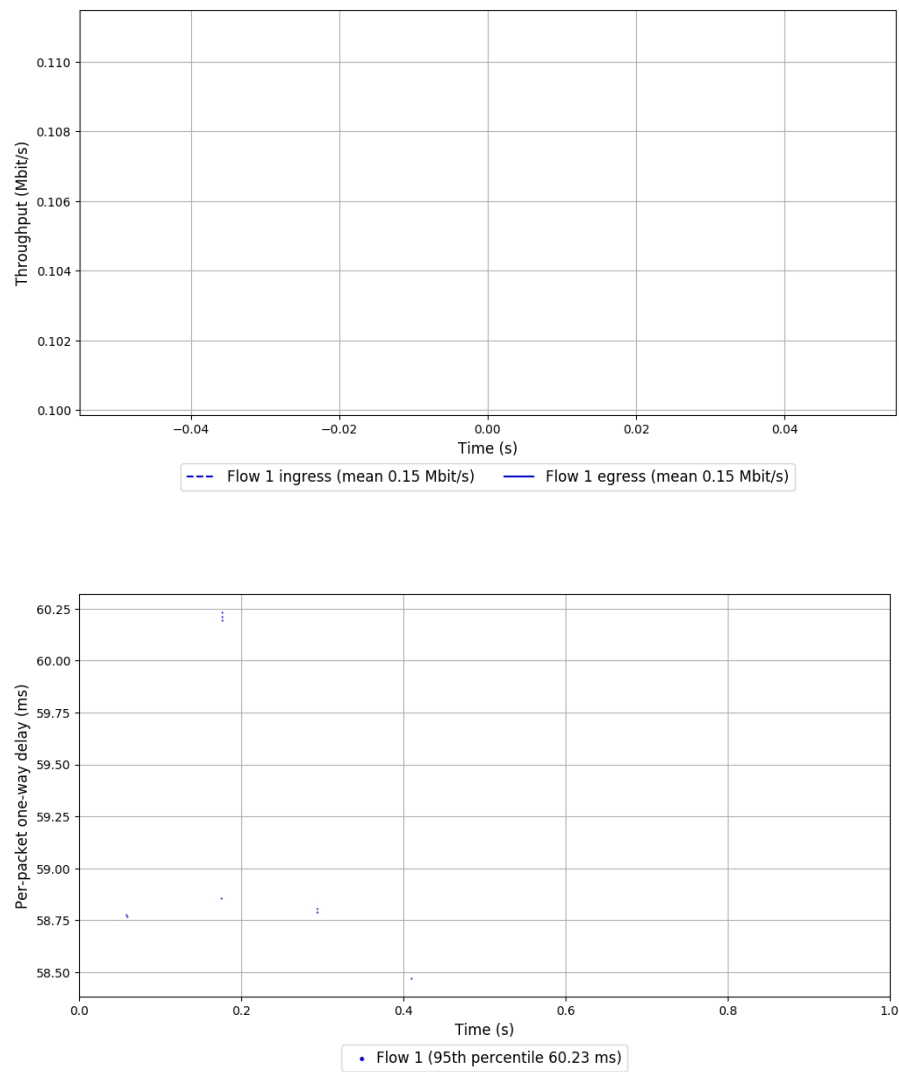• Flow 1 (95th percentile 72.01 ms)

241

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

Start at: Mon, 17 Jul 2017 00:47:40 +0000
End at: Mon, 17 Jul 2017 00:48:10 +0000
Local clock offset: 0.554 ms
Remote clock offset: -5.896 ms
```

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

```
Run 1: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 22:12:00 +0000
End at: Sun, 16 Jul 2017 22:12:30 +0000
Local clock offset: 0.459 ms
Remote clock offset: -5.736 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.76 Mbit/s
95th percentile per-packet one-way delay: 59.116 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 17.76 Mbit/s
95th percentile per-packet one-way delay: 59.116 ms
Loss rate: 1.41%
```
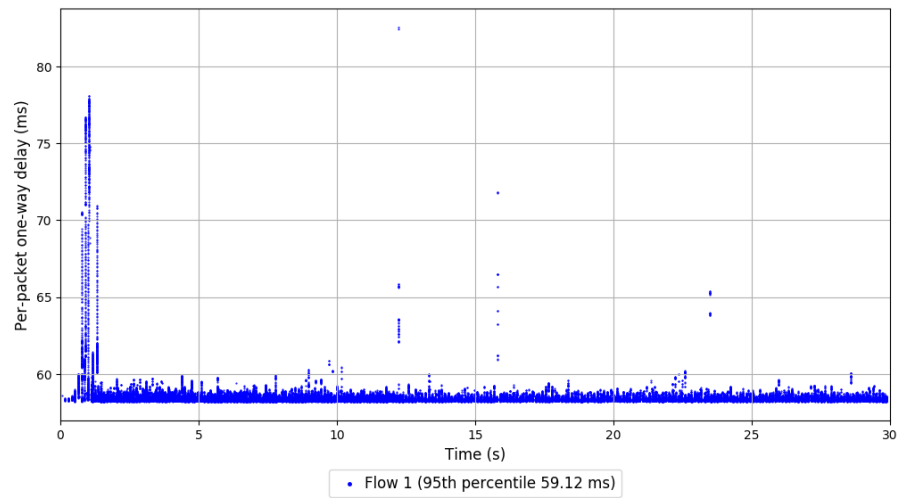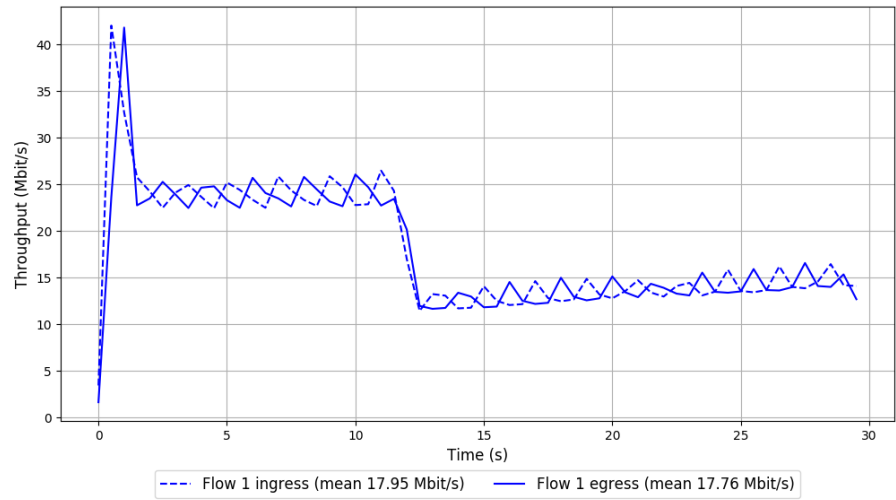
Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 22:29:23 +0000
End at: Sun, 16 Jul 2017 22:29:53 +0000
Local clock offset: 0.33 ms
Remote clock offset: -5.76 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 58.710 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 24.13 Mbit/s
95th percentile per-packet one-way delay: 58.710 ms
Loss rate: 1.04%
```
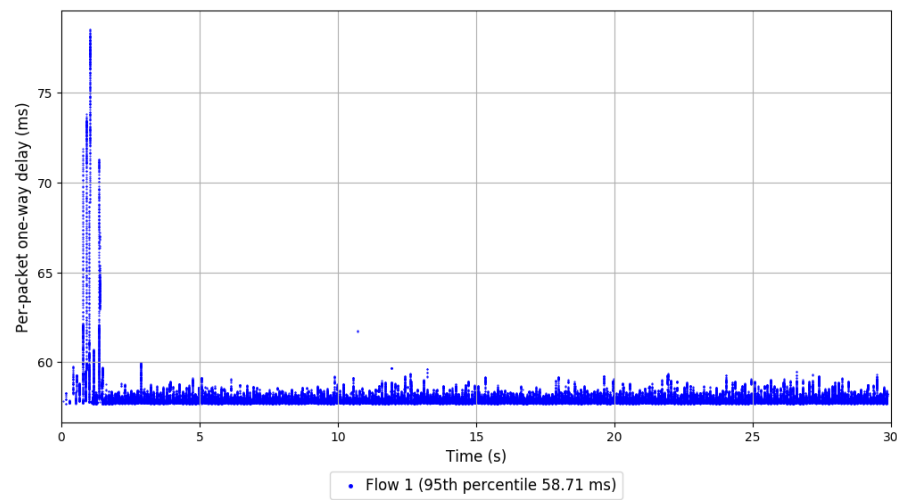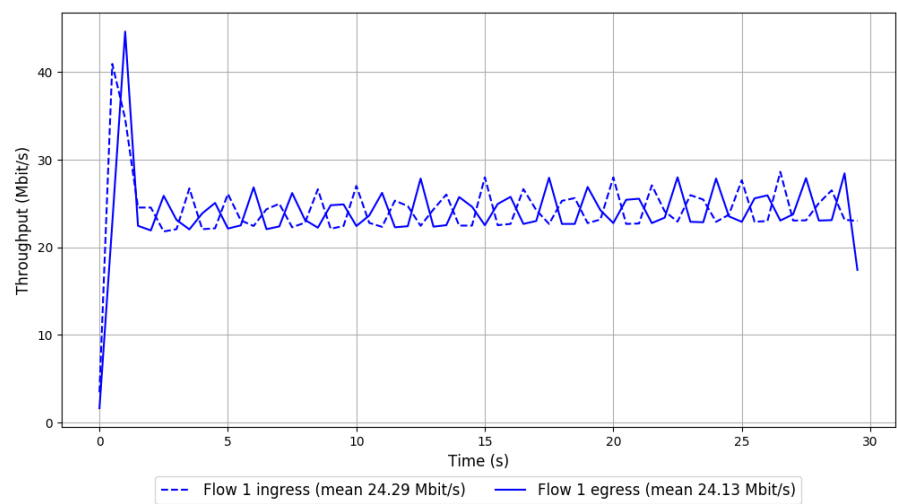
Run 2: Report of TCP Vegas — Data Link

Run 3: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 22:46:59 +0000
End at: Sun, 16 Jul 2017 22:47:29 +0000
Local clock offset: 0.434 ms
Remote clock offset: -6.733 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:21:31 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 22.37 Mbit/s
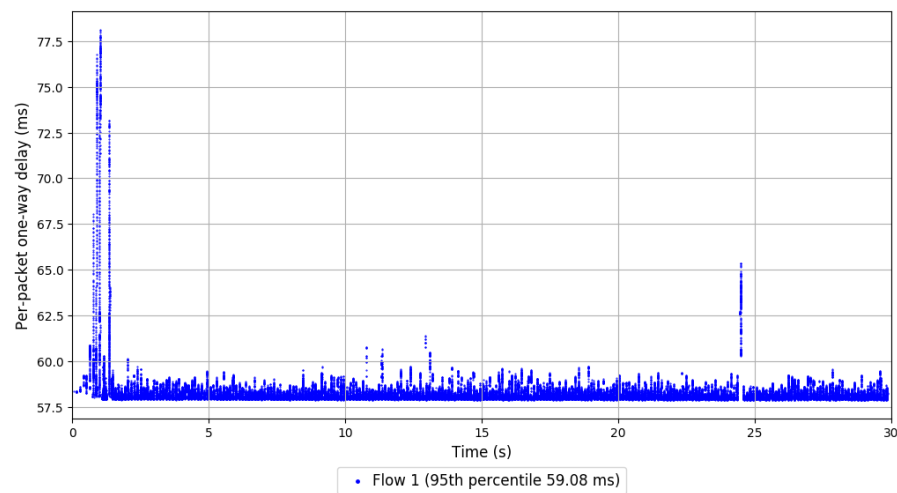95th percentile per-packet one-way delay: 59.080 ms
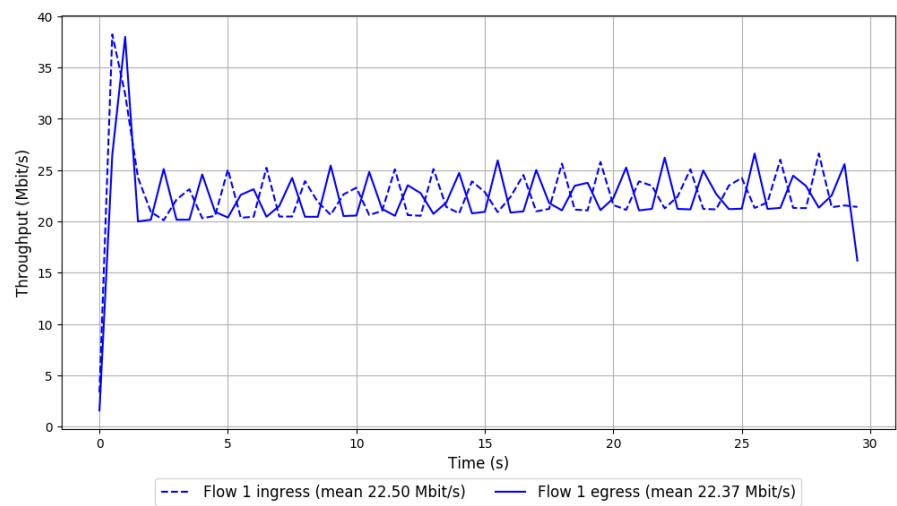Loss rate: 0.98%
-- Flow 1:
Average throughput: 22.37 Mbit/s
95th percentile per-packet one-way delay: 59.080 ms
Loss rate: 0.98%

Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 22.50 Mbit/s) --- Flow 1 egress (mean 22.37 Mbit/s)

Flow 1 (95th percentile 59.08 ms)

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```
Run 4: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 23:04:17 +0000
End at: Sun, 16 Jul 2017 23:04:47 +0000
Local clock offset: 0.476 ms
Remote clock offset: -6.268 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 57.760 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 25.46 Mbit/s
95th percentile per-packet one-way delay: 57.760 ms
Loss rate: 0.89%
```
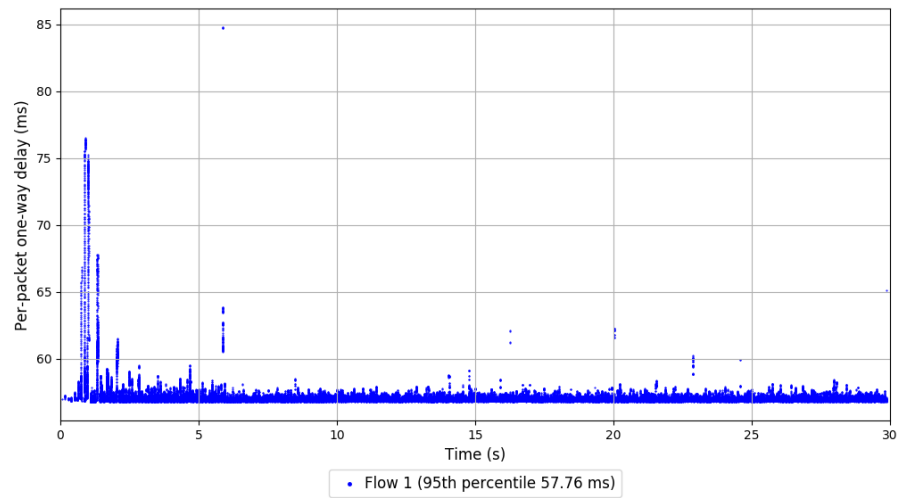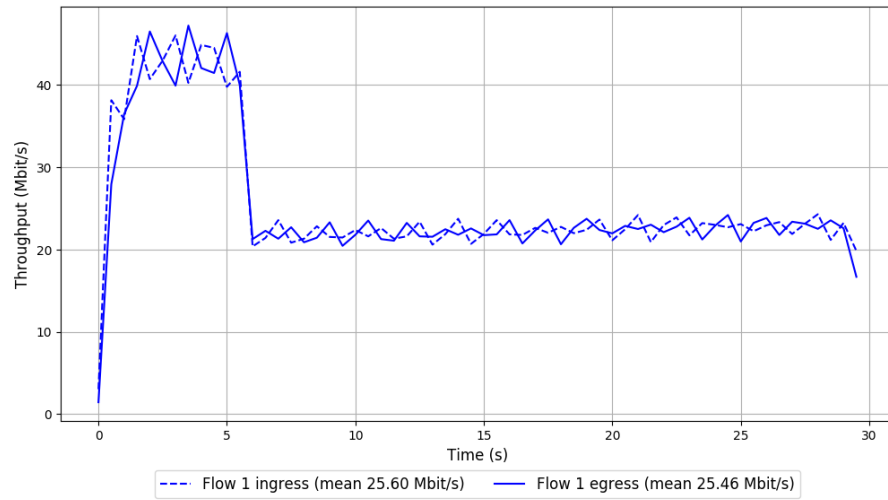
Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 25.60 Mbit/s)   Flow 1 egress (mean 25.46 Mbit/s)

Flow 1 (95th percentile 57.76 ms)

```
Run 5: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 23:21:45 +0000
End at: Sun, 16 Jul 2017 23:22:15 +0000
Local clock offset: 0.474 ms
Remote clock offset: -6.702 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 59.018 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 22.43 Mbit/s
95th percentile per-packet one-way delay: 59.018 ms
Loss rate: 0.88%
```
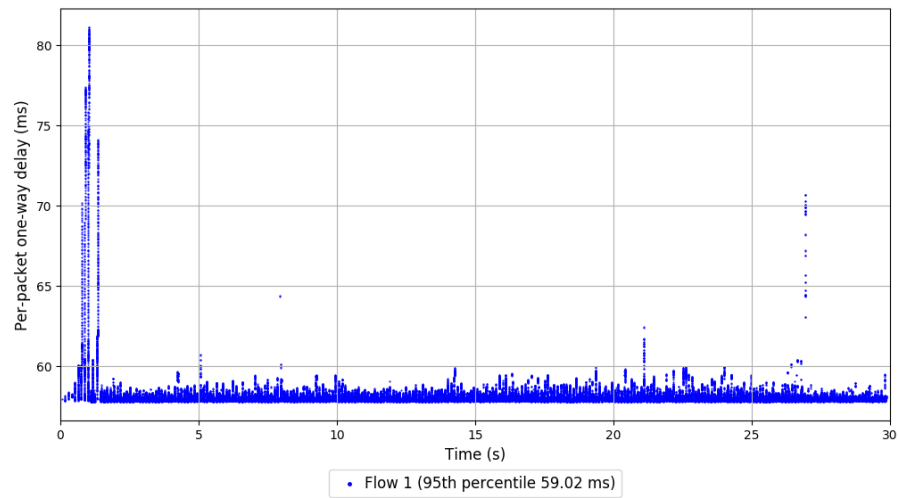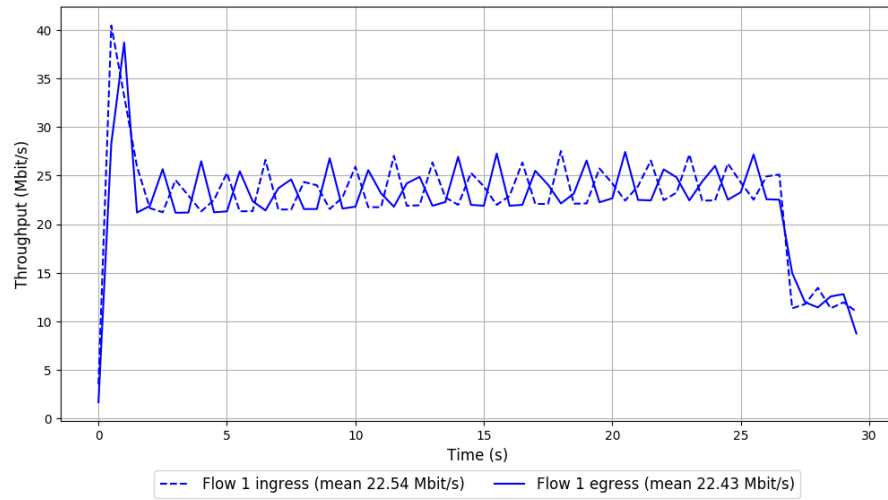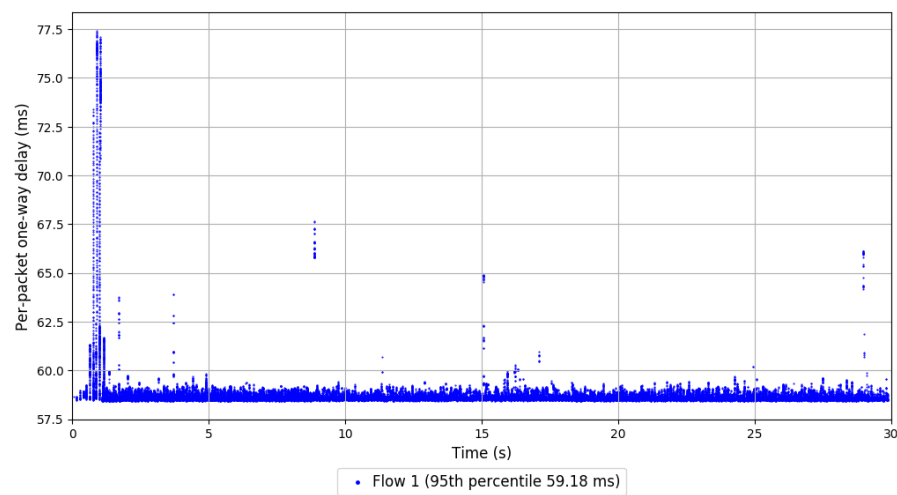
Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 22.54 Mbit/s) --- Flow 1 egress (mean 22.43 Mbit/s)

Flow 1 (95th percentile 59.02 ms)

```
Run 6: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 23:39:24 +0000
End at: Sun, 16 Jul 2017 23:39:54 +0000
Local clock offset: 0.557 ms
Remote clock offset: -6.947 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.11 Mbit/s
95th percentile per-packet one-way delay: 59.176 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 16.11 Mbit/s
95th percentile per-packet one-way delay: 59.176 ms
Loss rate: 1.24%
```
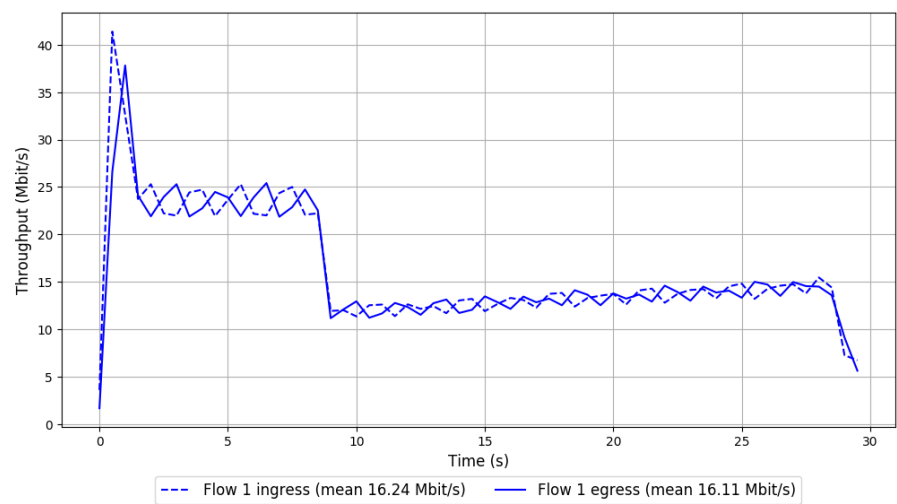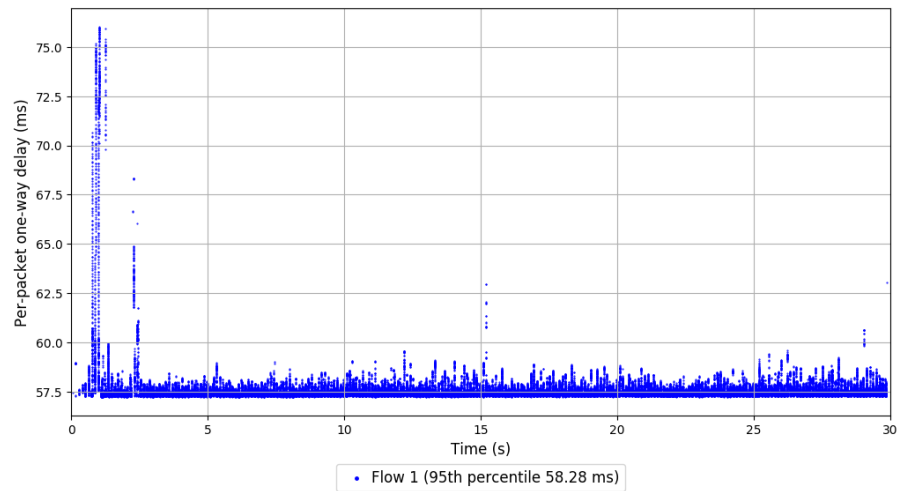
Run 6: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 16.24 Mbit/s) --- Flow 1 egress (mean 16.11 Mbit/s)

Flow 1 (95th percentile 59.18 ms)

```
Run 7: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 23:56:51 +0000
End at: Sun, 16 Jul 2017 23:57:21 +0000
Local clock offset: 0.539 ms
Remote clock offset: -6.558 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 58.279 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 23.54 Mbit/s
95th percentile per-packet one-way delay: 58.279 ms
Loss rate: 1.10%
```
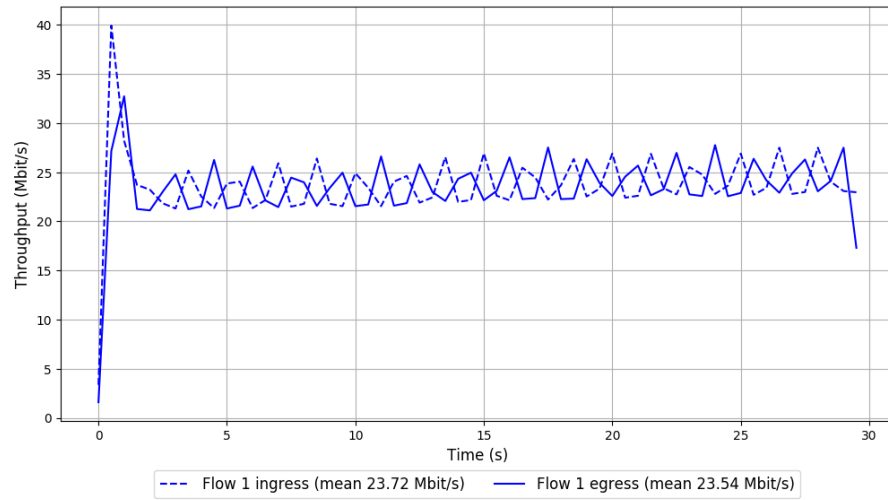
Run 7: Report of TCP Vegas — Data Link

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```
Run 8: Statistics of TCP Vegas

Start at: Mon, 17 Jul 2017 00:14:14 +0000
End at: Mon, 17 Jul 2017 00:14:44 +0000
Local clock offset: 0.533 ms
Remote clock offset: -5.715 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 58.106 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 15.96 Mbit/s
95th percentile per-packet one-way delay: 58.106 ms
Loss rate: 1.44%
```
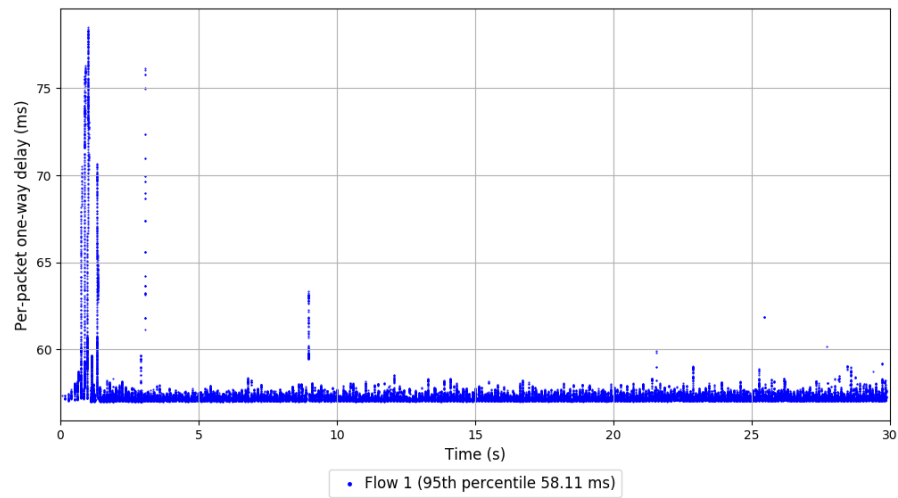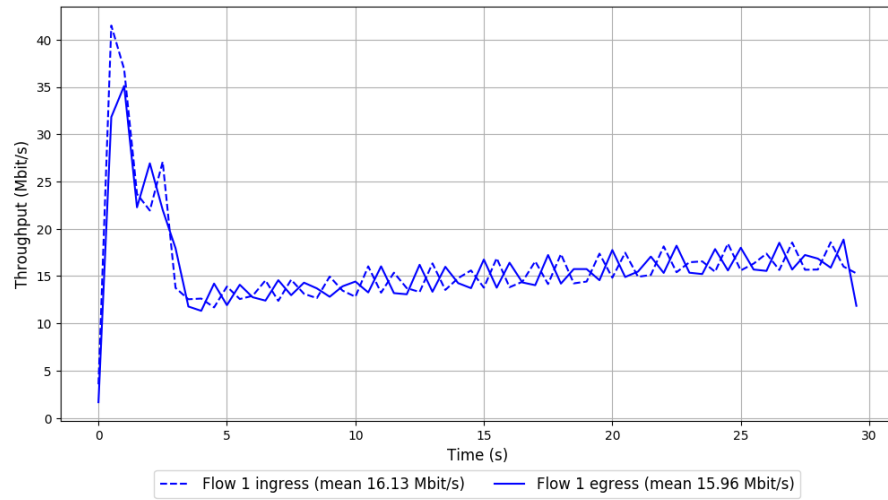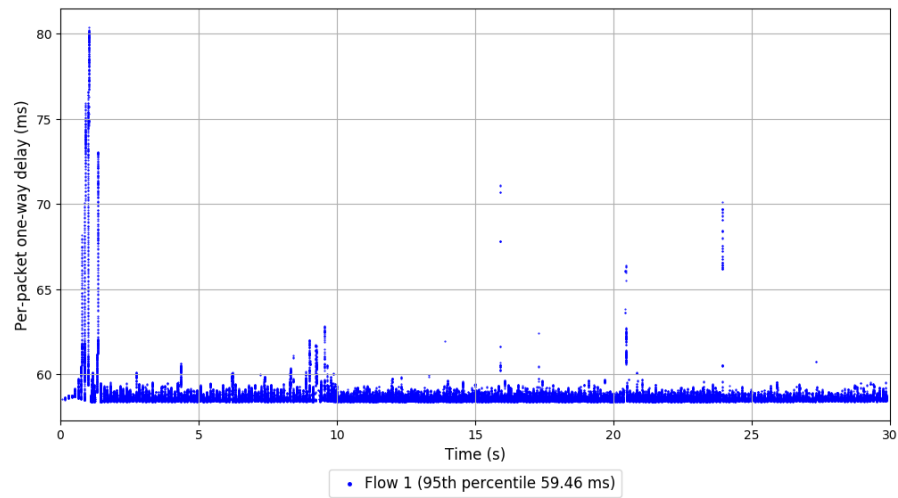
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 16.13 Mbit/s) --- Flow 1 egress (mean 15.96 Mbit/s)

Flow 1 (95th percentile 58.11 ms)

```
Run 9: Statistics of TCP Vegas

Start at: Mon, 17 Jul 2017 00:31:33 +0000
End at: Mon, 17 Jul 2017 00:32:03 +0000
Local clock offset: 0.551 ms
Remote clock offset: -6.26 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 59.458 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 59.458 ms
Loss rate: 1.16%
```
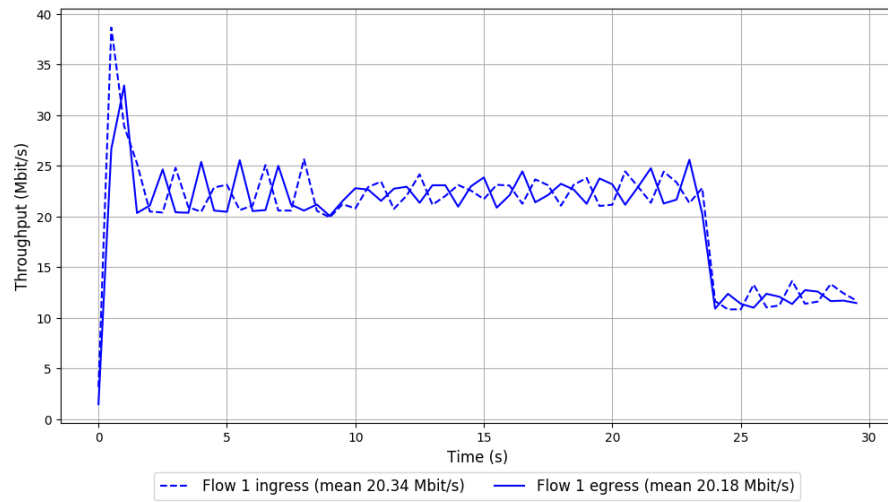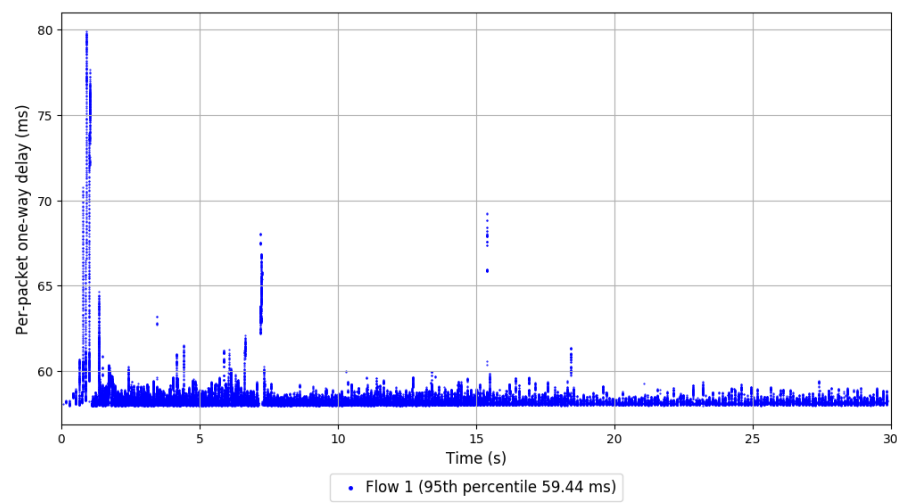
Run 9: Report of TCP Vegas — Data Link

Run 10: Statistics of TCP Vegas

Start at: Mon, 17 Jul 2017 00:48:46 +0000
End at: Mon, 17 Jul 2017 00:49:16 +0000
Local clock offset: 0.564 ms
Remote clock offset: -5.414 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:21:44 +0000
Datalink statistics
-- Total of 1 flow:
Average throughput: 21.97 Mbit/s
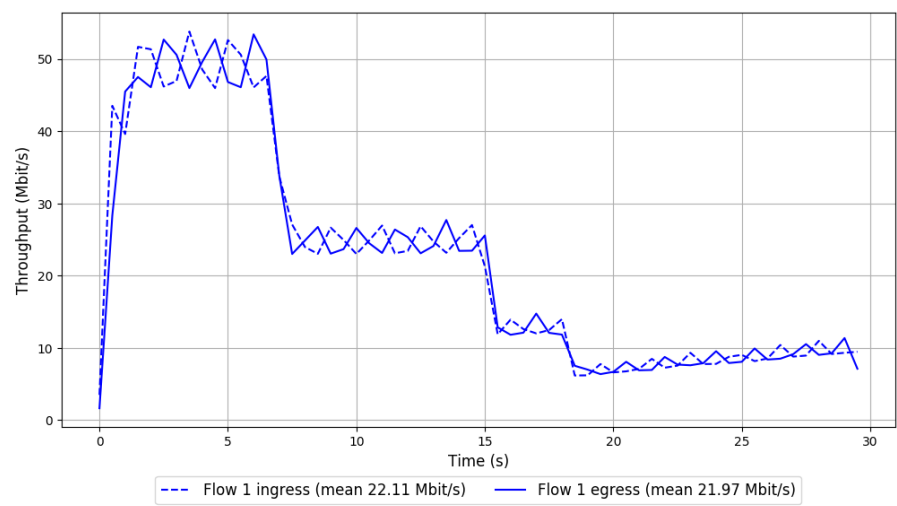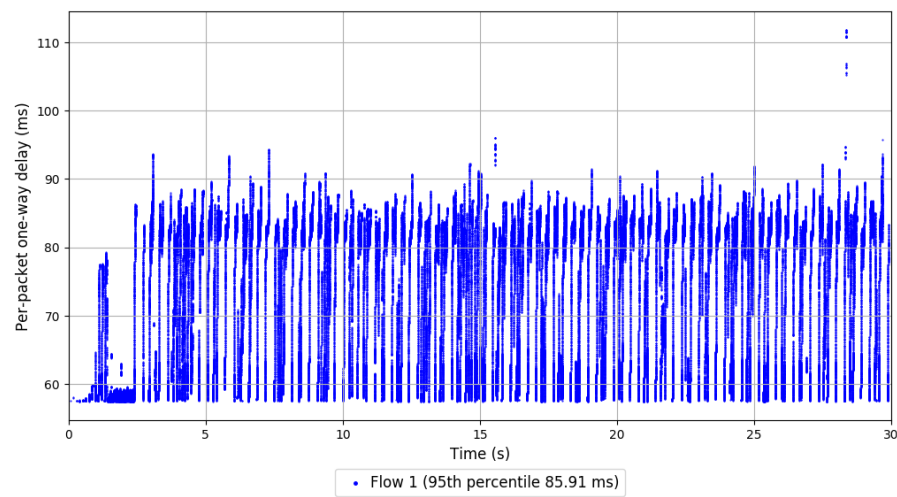95th percentile per-packet one-way delay: 59.440 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 21.97 Mbit/s
95th percentile per-packet one-way delay: 59.440 ms
Loss rate: 1.00%

Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 22.11 Mbit/s) --- Flow 1 egress (mean 21.97 Mbit/s)

• Flow 1 (95th percentile 59.44 ms)

```
Run 1: Statistics of Verus

Start at: Sun, 16 Jul 2017 21:59:10 +0000
End at: Sun, 16 Jul 2017 21:59:40 +0000
Local clock offset: 0.215 ms
Remote clock offset: -6.255 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:21:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 85.909 ms
Loss rate: 82.83%
-- Flow 1:
Average throughput: 53.06 Mbit/s
95th percentile per-packet one-way delay: 85.909 ms
Loss rate: 82.83%
```
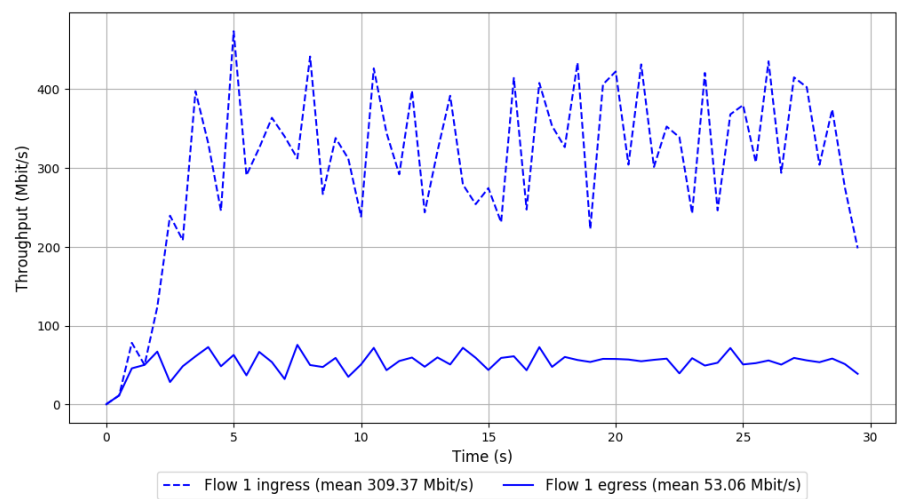
Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 309.37 Mbit/s) --- Flow 1 egress (mean 53.06 Mbit/s) ——

Flow 1 (95th percentile 85.91 ms)
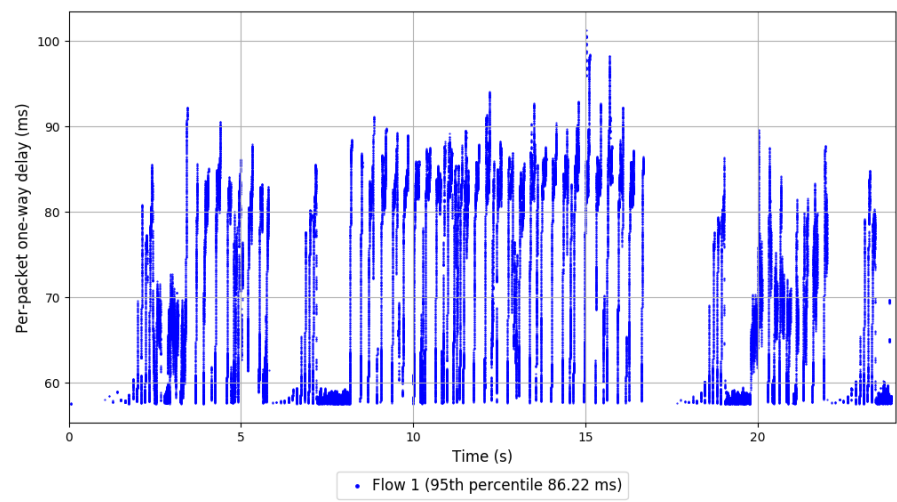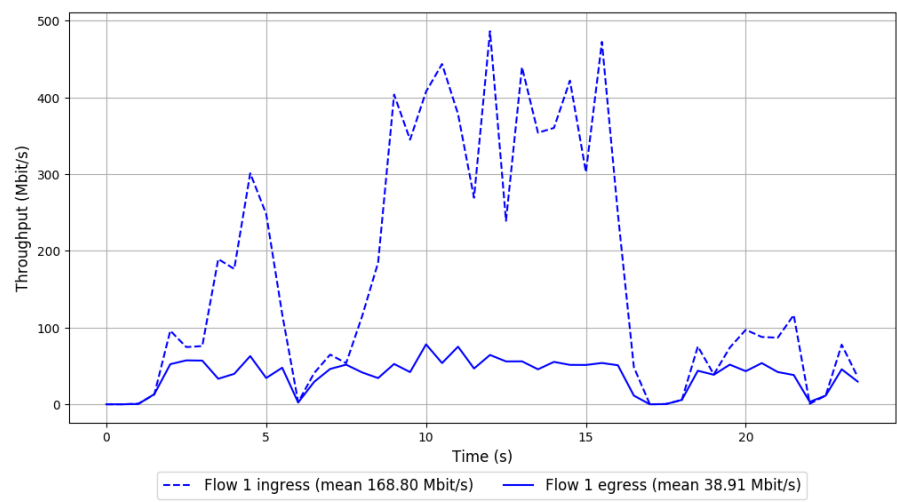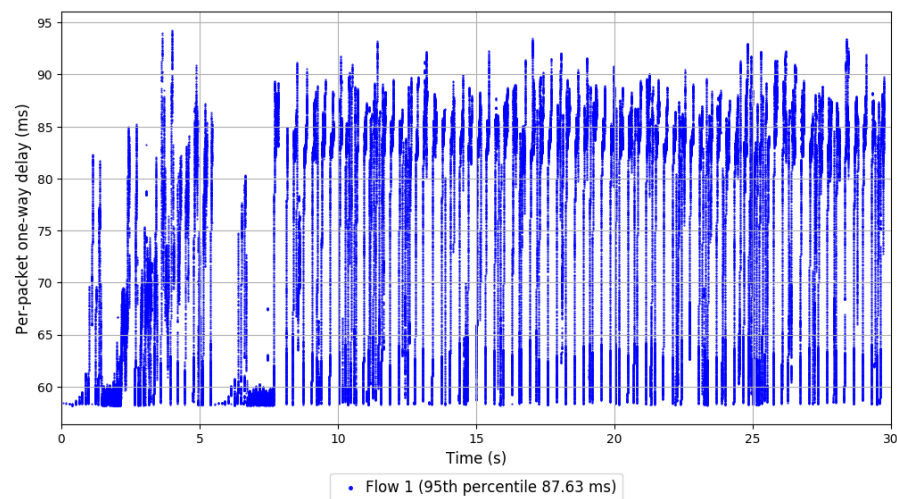
265

Run 2: Statistics of Verus

Start at: Sun, 16 Jul 2017 22:16:31 +0000
End at: Sun, 16 Jul 2017 22:17:01 +0000
Local clock offset: 0.318 ms
Remote clock offset: -5.779 ms

Run 2: Report of Verus — Data Link

Flow 1 ingress (mean 168.80 Mbit/s) --- Flow 1 egress (mean 38.91 Mbit/s)

Flow 1 (95th percentile 86.22 ms)

```
Run 3: Statistics of Verus

Start at: Sun, 16 Jul 2017 22:33:56 +0000
End at: Sun, 16 Jul 2017 22:34:26 +0000
Local clock offset: 0.293 ms
Remote clock offset: -6.308 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.64 Mbit/s
95th percentile per-packet one-way delay: 87.631 ms
Loss rate: 83.18%
-- Flow 1:
Average throughput: 48.64 Mbit/s
95th percentile per-packet one-way delay: 87.631 ms
Loss rate: 83.18%
```
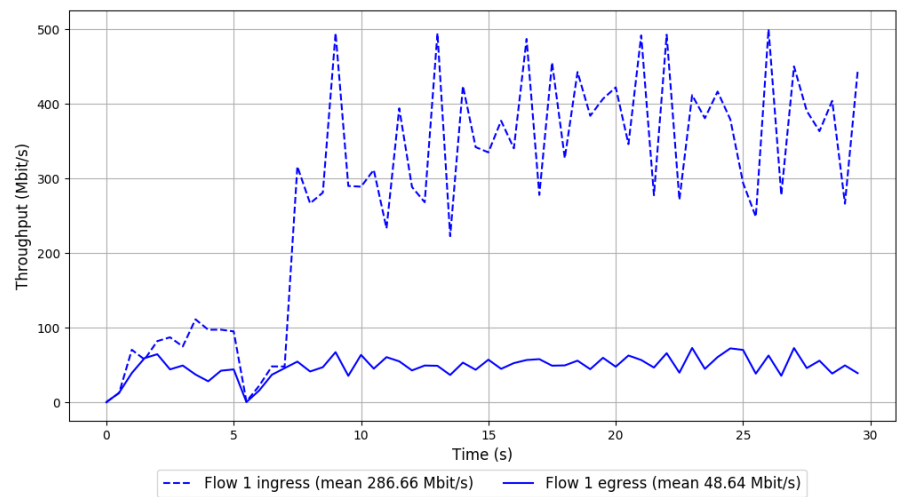
Run 3: Report of Verus — Data Link
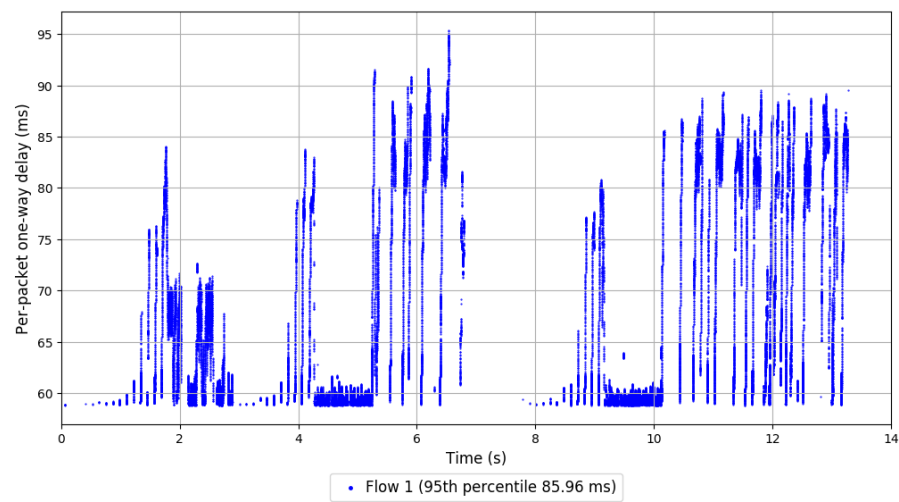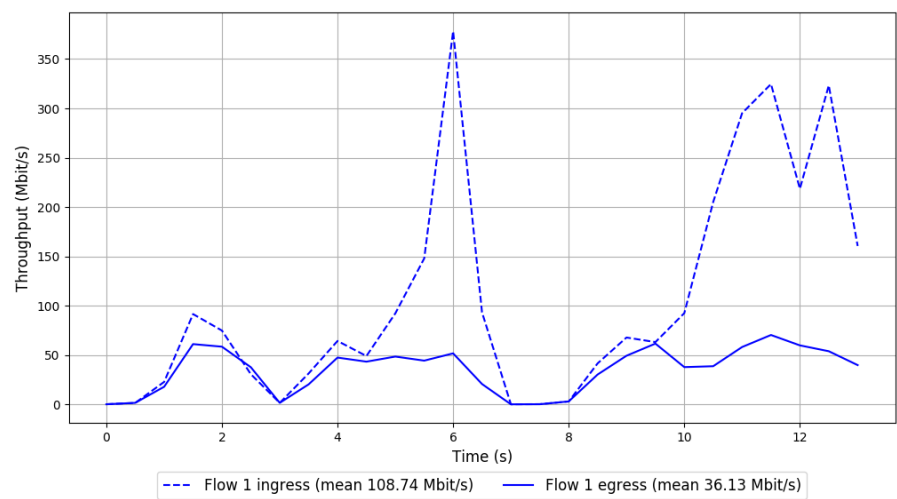
```
Run 4: Statistics of Verus

Start at: Sun, 16 Jul 2017 22:51:32 +0000
End at: Sun, 16 Jul 2017 22:52:02 +0000
Local clock offset: 0.321 ms
Remote clock offset: -7.347 ms
```

Run 4: Report of Verus — Data Link

Flow 1 ingress (mean 108.74 Mbit/s) --- Flow 1 egress (mean 36.13 Mbit/s)

• Flow 1 (95th percentile 85.96 ms)

```
Run 5: Statistics of Verus

Start at: Sun, 16 Jul 2017 23:08:51 +0000
End at: Sun, 16 Jul 2017 23:09:21 +0000
Local clock offset: 0.372 ms
Remote clock offset: -6.847 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.50 Mbit/s
95th percentile per-packet one-way delay: 85.884 ms
Loss rate: 75.35%
-- Flow 1:
Average throughput: 42.50 Mbit/s
95th percentile per-packet one-way delay: 85.884 ms
Loss rate: 75.35%
```
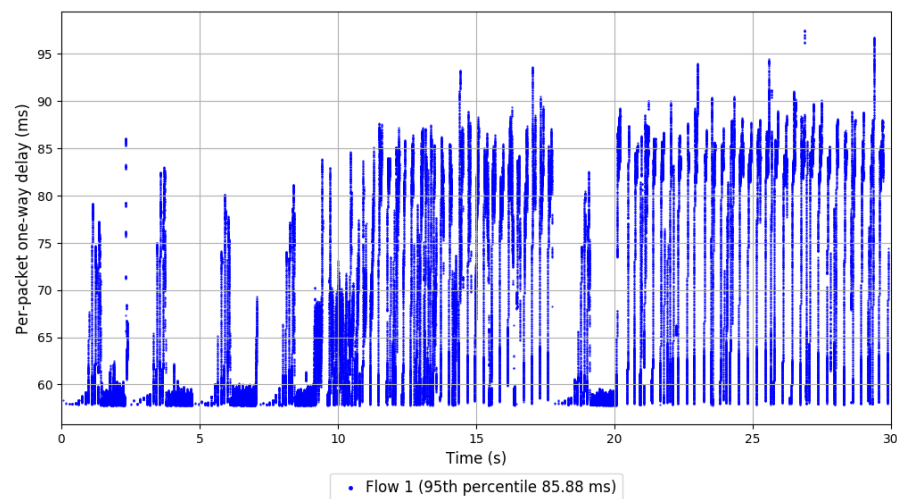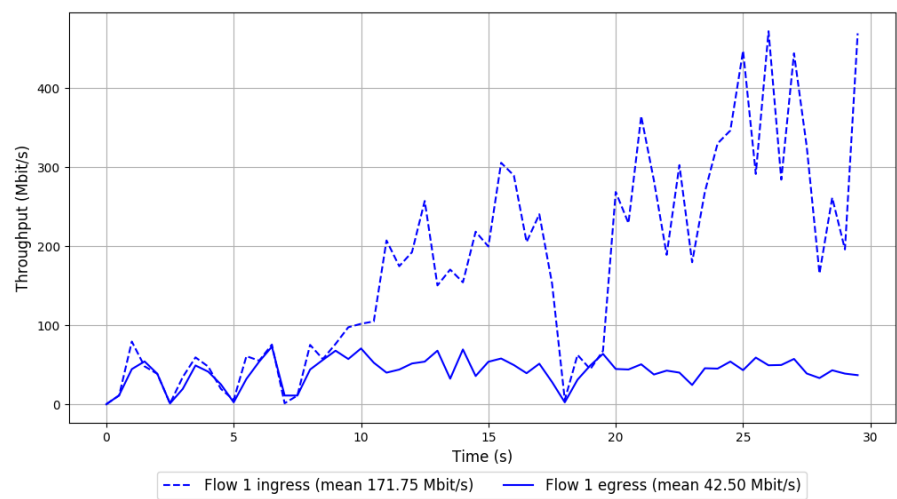
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: Sun, 16 Jul 2017 23:26:17 +0000
End at: Sun, 16 Jul 2017 23:26:47 +0000
Local clock offset: 0.519 ms
Remote clock offset: -6.768 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 86.720 ms
Loss rate: 82.49%
-- Flow 1:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 86.720 ms
Loss rate: 82.49%
```
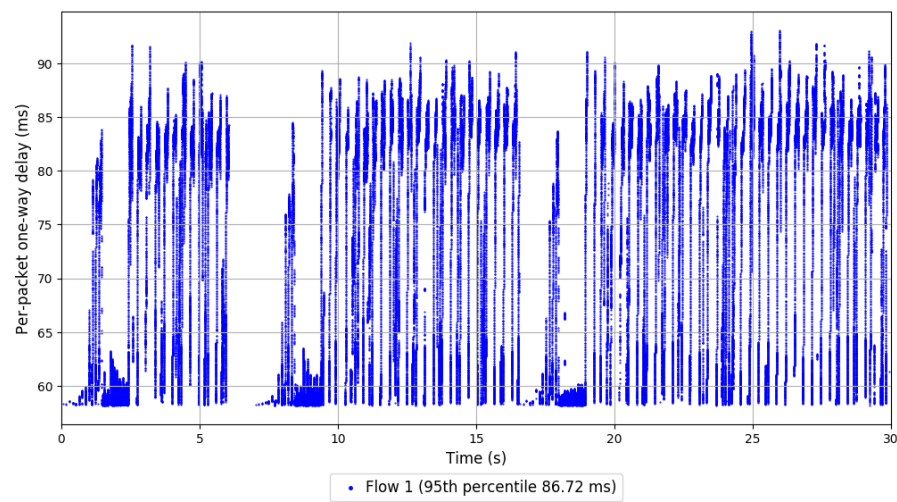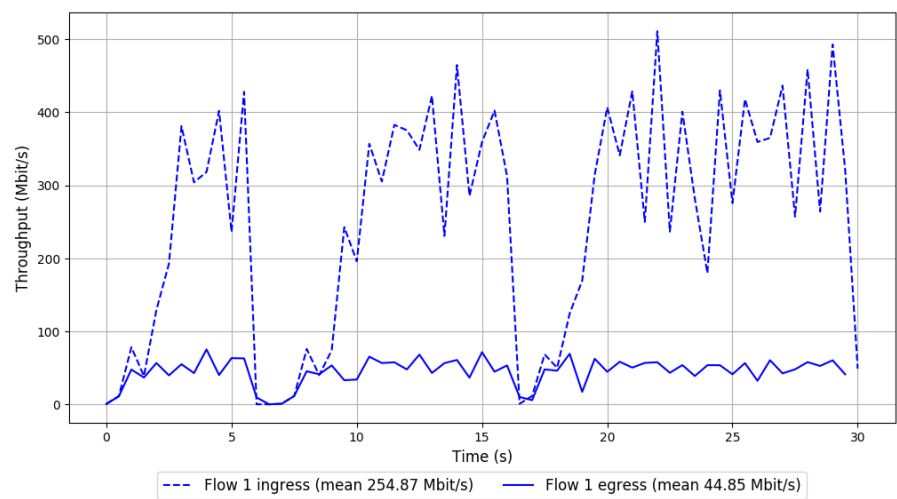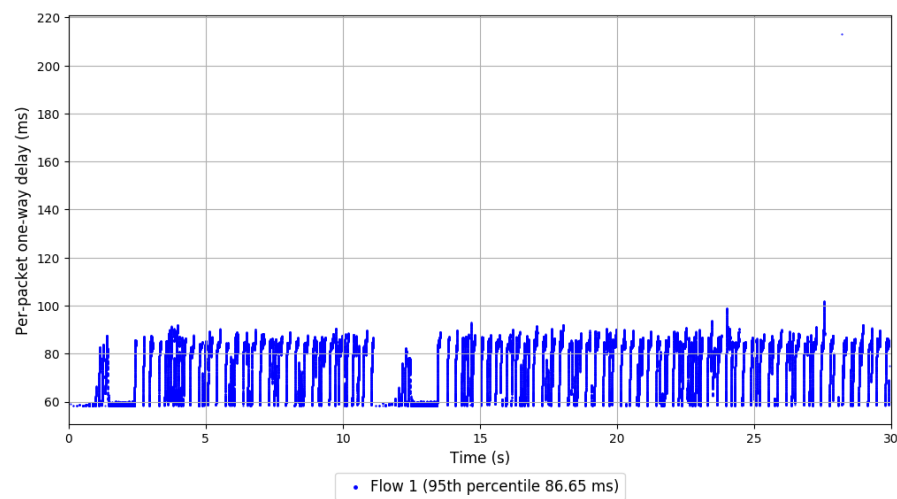
Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 254.87 Mbit/s)   Flow 1 egress (mean 44.85 Mbit/s)

Flow 1 (95th percentile 86.72 ms)

```
Run 7: Statistics of Verus

Start at: Sun, 16 Jul 2017 23:43:56 +0000
End at: Sun, 16 Jul 2017 23:44:26 +0000
Local clock offset: 0.553 ms
Remote clock offset: -7.042 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.58 Mbit/s
95th percentile per-packet one-way delay: 86.652 ms
Loss rate: 82.52%
-- Flow 1:
Average throughput: 49.58 Mbit/s
95th percentile per-packet one-way delay: 86.652 ms
Loss rate: 82.52%
```
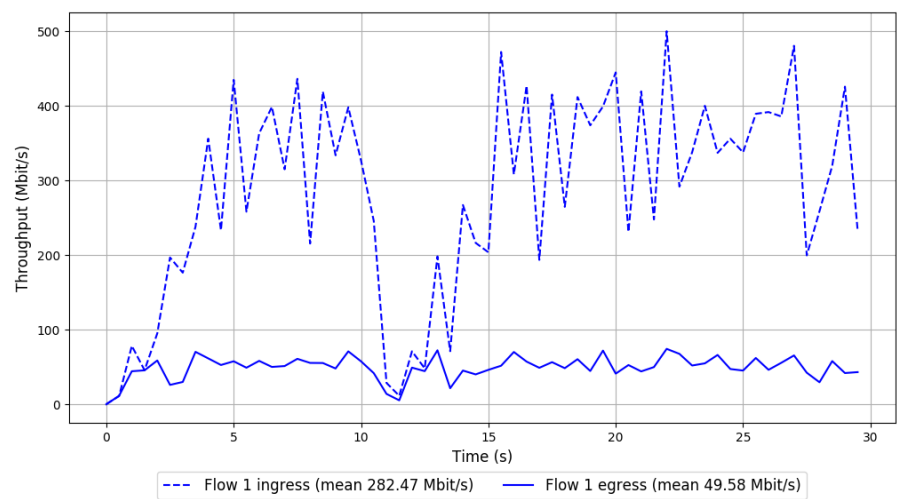
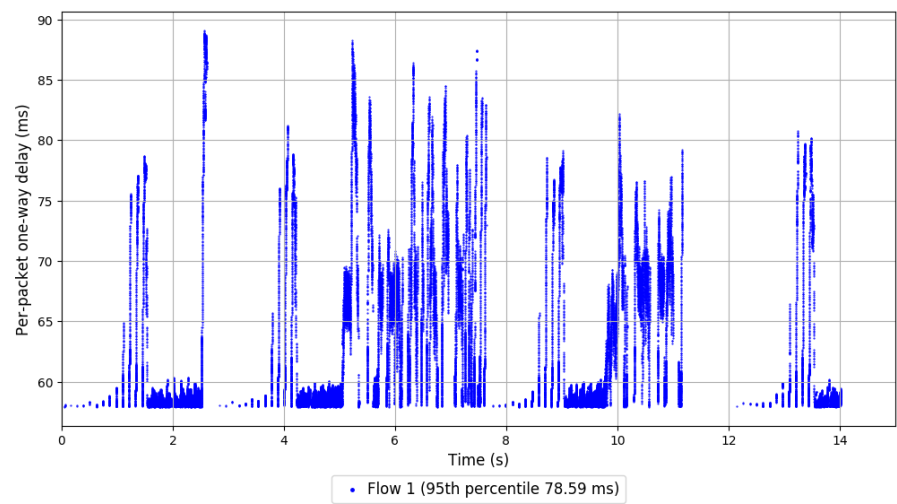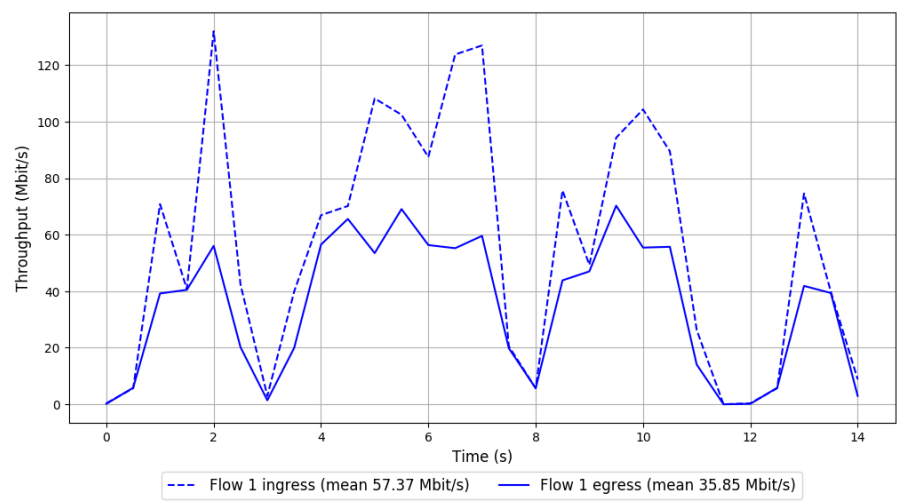## Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: Mon, 17 Jul 2017 00:01:25 +0000
End at: Mon, 17 Jul 2017 00:01:55 +0000
Local clock offset: 0.507 ms
Remote clock offset: -6.346 ms
```

Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 57.37 Mbit/s)   Flow 1 egress (mean 35.85 Mbit/s)

Flow 1 (95th percentile 78.59 ms)
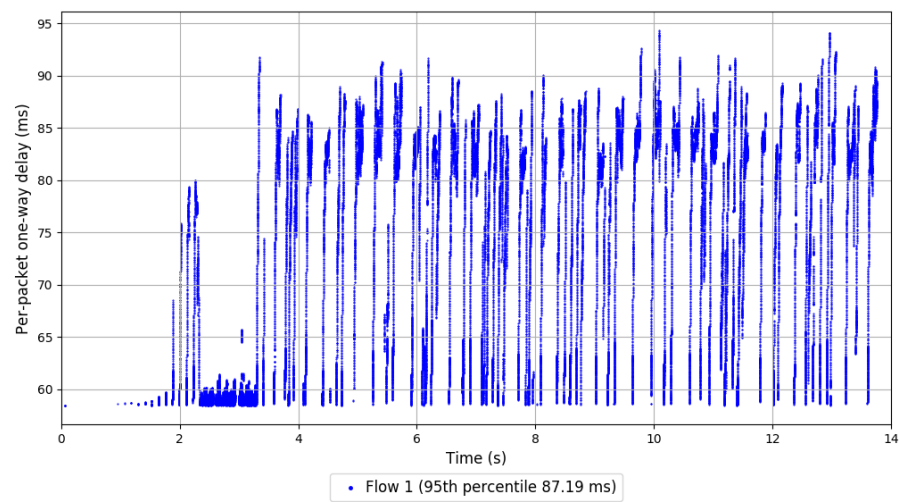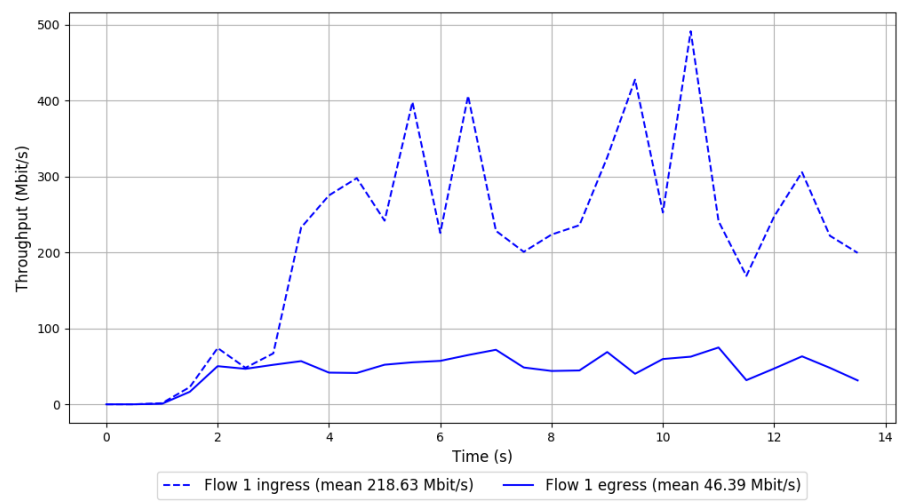
Run 9: Statistics of Verus

Start at: Mon, 17 Jul 2017 00:18:47 +0000
End at: Mon, 17 Jul 2017 00:19:17 +0000
Local clock offset: 0.481 ms
Remote clock offset: -5.681 ms

Run 9: Report of Verus — Data Link

Flow 1 ingress (mean 218.63 Mbit/s) — — — Flow 1 egress (mean 46.39 Mbit/s)

• Flow 1 (95th percentile 87.19 ms)
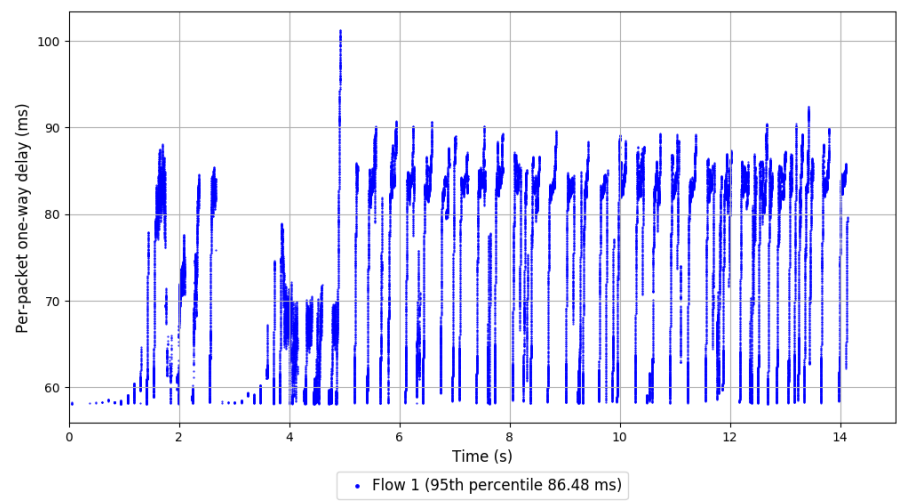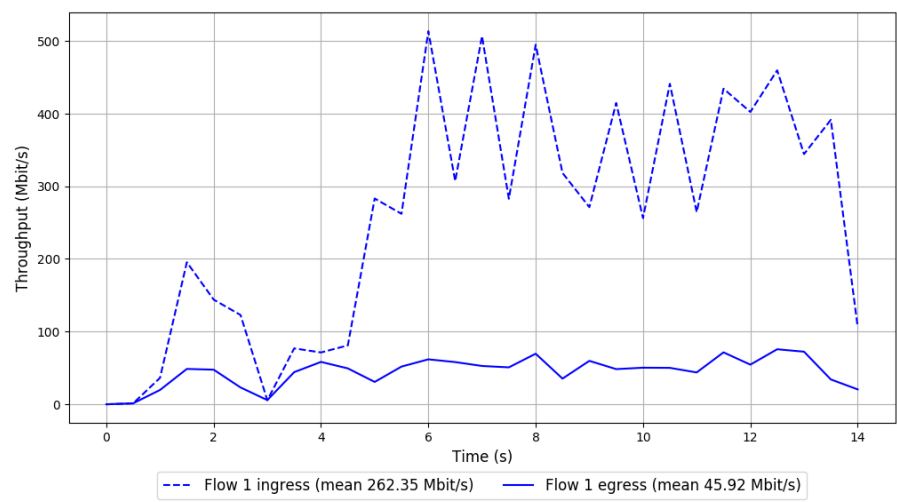
281

Run 10: Statistics of Verus

Start at: Mon, 17 Jul 2017 00:36:06 +0000
End at: Mon, 17 Jul 2017 00:36:36 +0000
Local clock offset: 0.534 ms
Remote clock offset: -6.001 ms

Run 10: Report of Verus — Data Link

```
Run 1: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 21:56:56 +0000
End at: Sun, 16 Jul 2017 21:57:26 +0000
Local clock offset: 0.318 ms
Remote clock offset: -5.937 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 58.752 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 58.752 ms
Loss rate: 0.44%
```
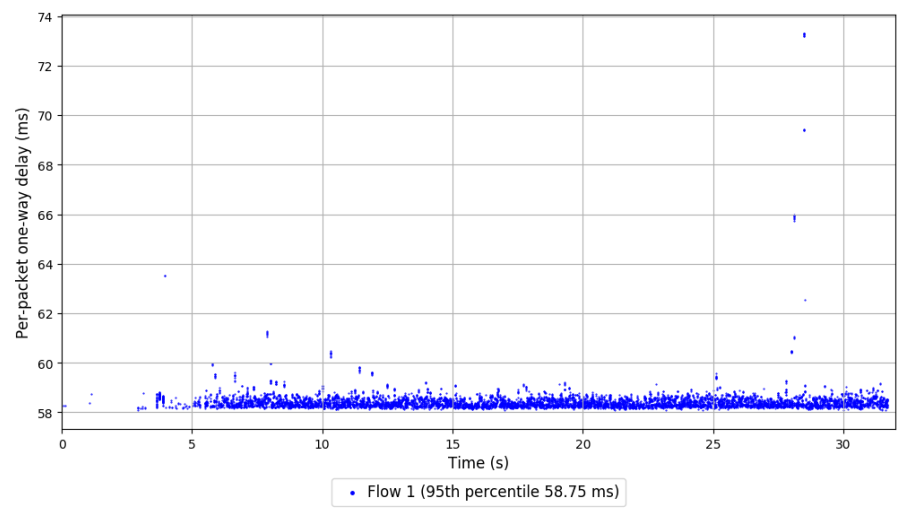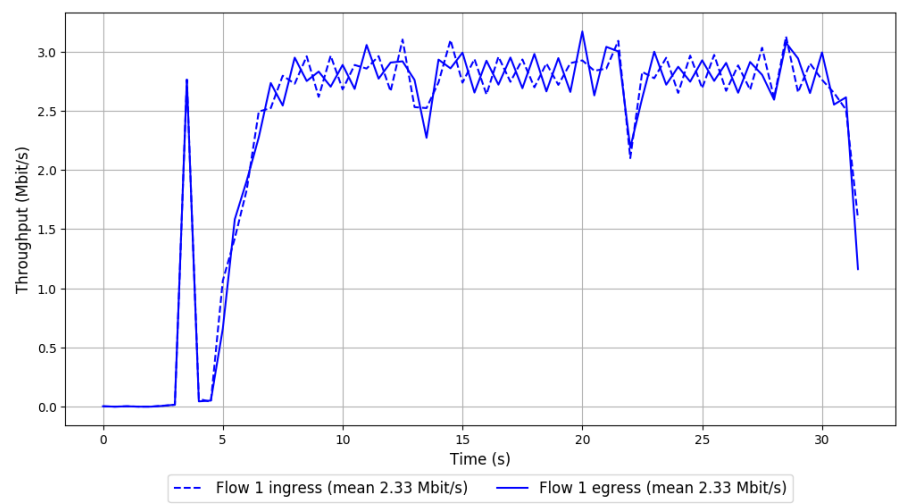
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 22:14:19 +0000
End at: Sun, 16 Jul 2017 22:14:49 +0000
Local clock offset: 0.333 ms
Remote clock offset: -5.532 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 57.908 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 57.908 ms
Loss rate: 0.44%
```
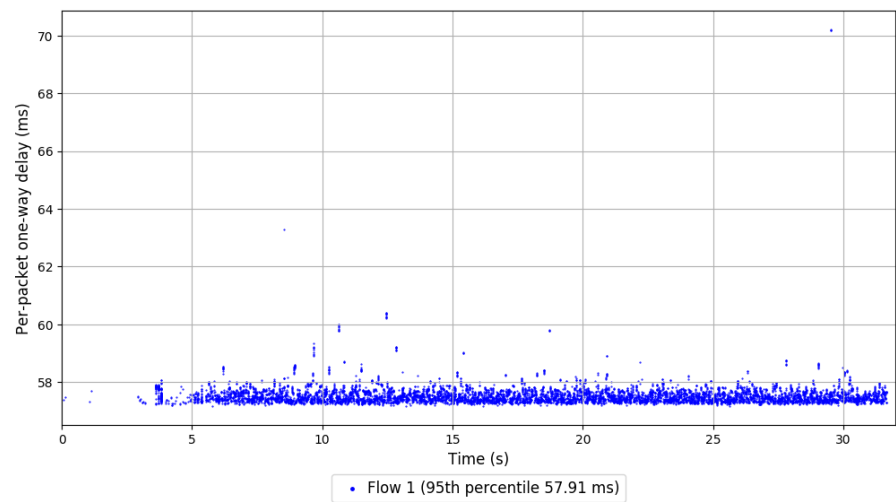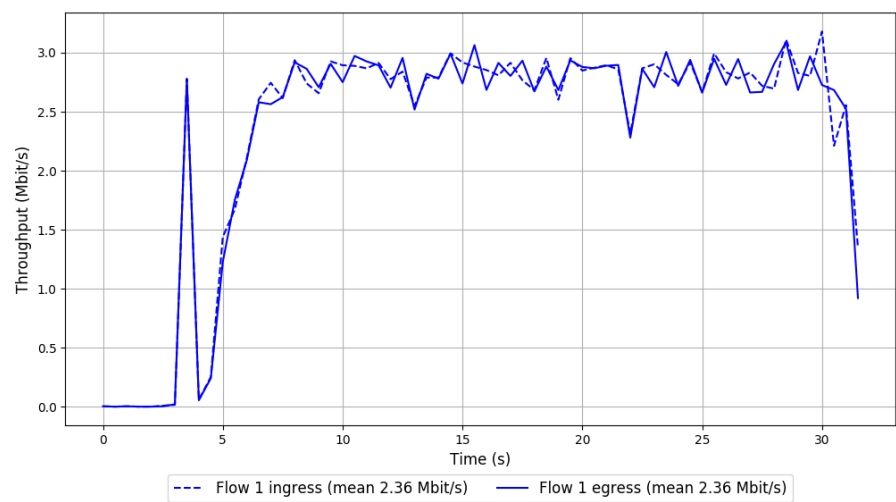
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 22:31:43 +0000
End at: Sun, 16 Jul 2017 22:32:13 +0000
Local clock offset: 0.377 ms
Remote clock offset: -6.373 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 58.360 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 58.360 ms
Loss rate: 0.43%
```
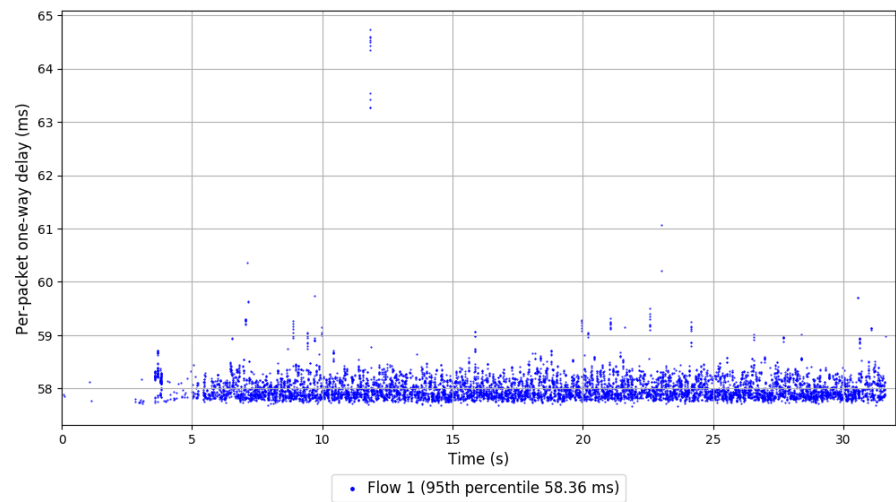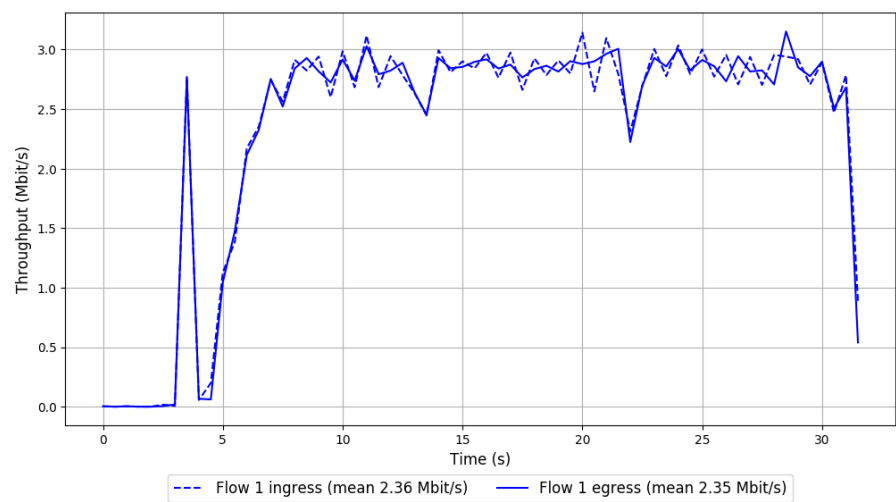
Run 3: Report of WebRTC media — Data Link

```
Run 4: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 22:49:19 +0000
End at: Sun, 16 Jul 2017 22:49:49 +0000
Local clock offset: 0.346 ms
Remote clock offset: -7.227 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 58.523 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 58.523 ms
Loss rate: 0.45%
```
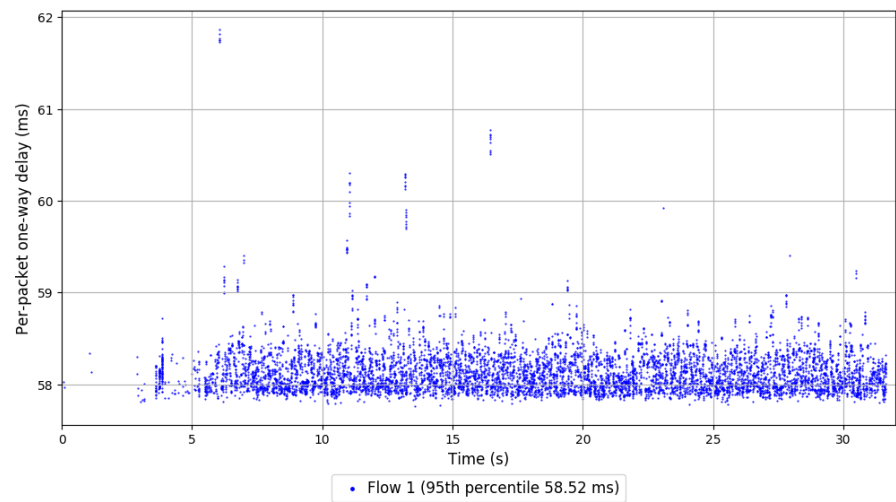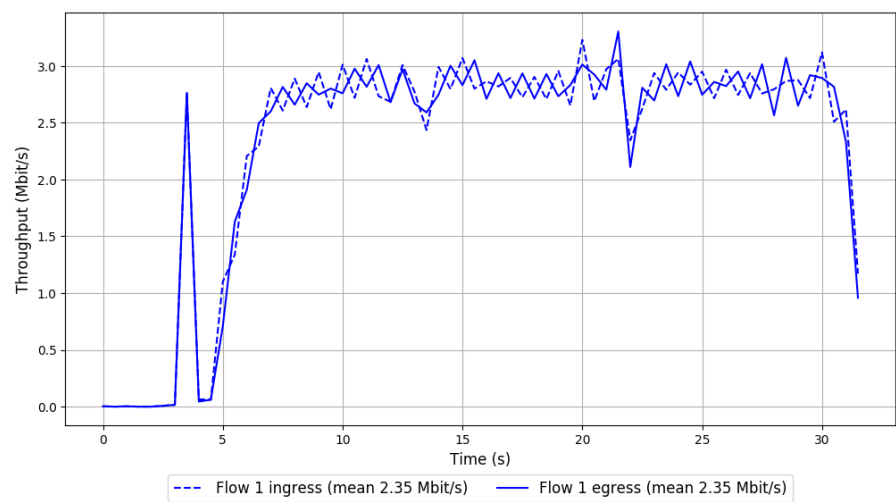
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 23:06:37 +0000
End at: Sun, 16 Jul 2017 23:07:07 +0000
Local clock offset: 0.58 ms
Remote clock offset: -6.676 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 58.935 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 58.935 ms
Loss rate: 0.45%
```
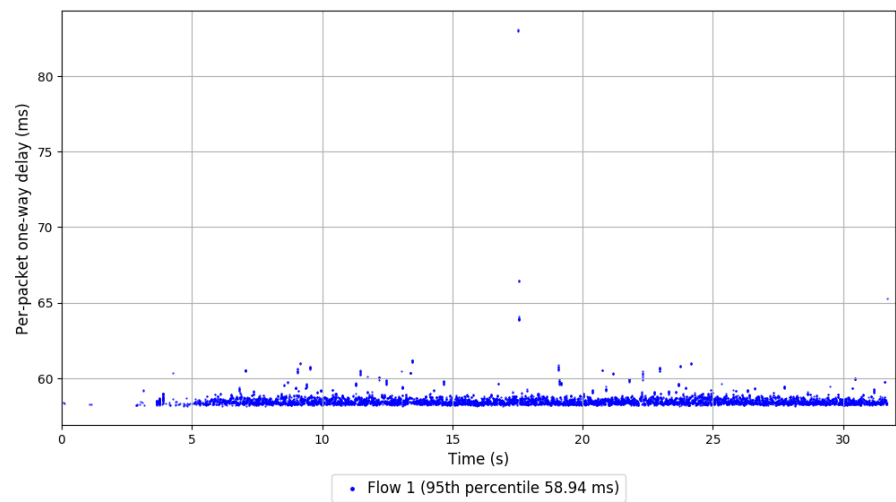
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 23:24:05 +0000
End at: Sun, 16 Jul 2017 23:24:35 +0000
Local clock offset: 0.48 ms
Remote clock offset: -6.747 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 58.477 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 58.477 ms
Loss rate: 0.46%
```
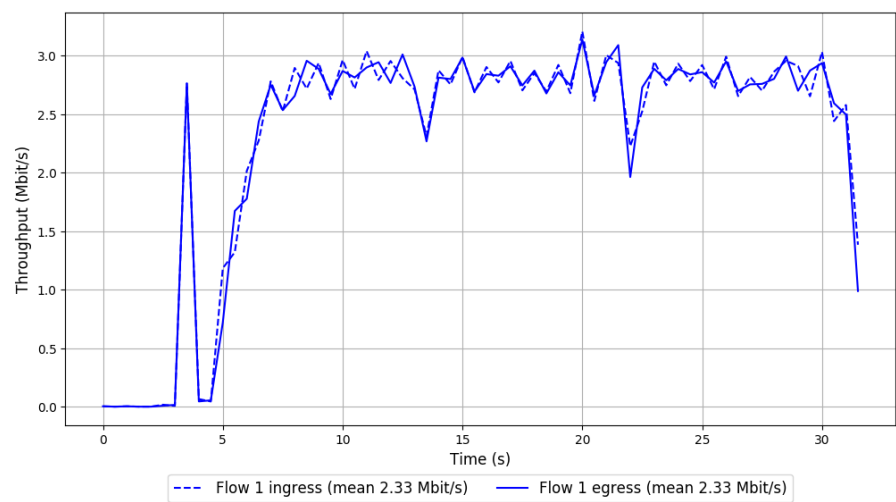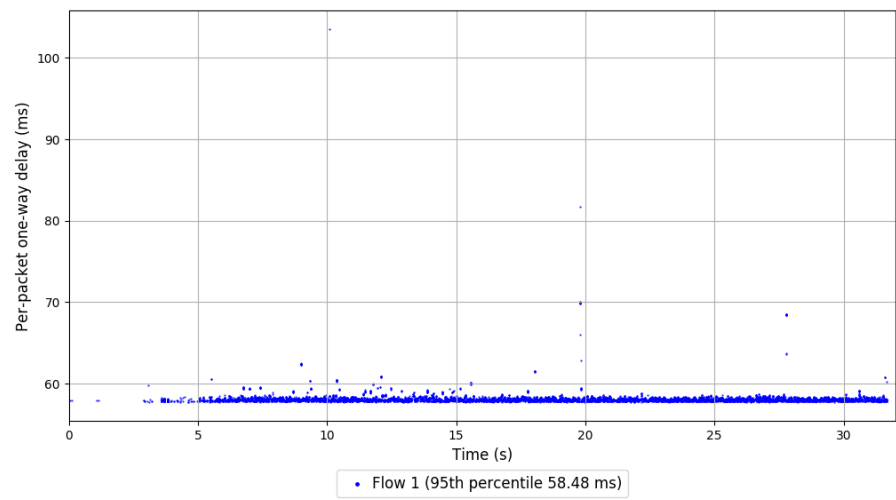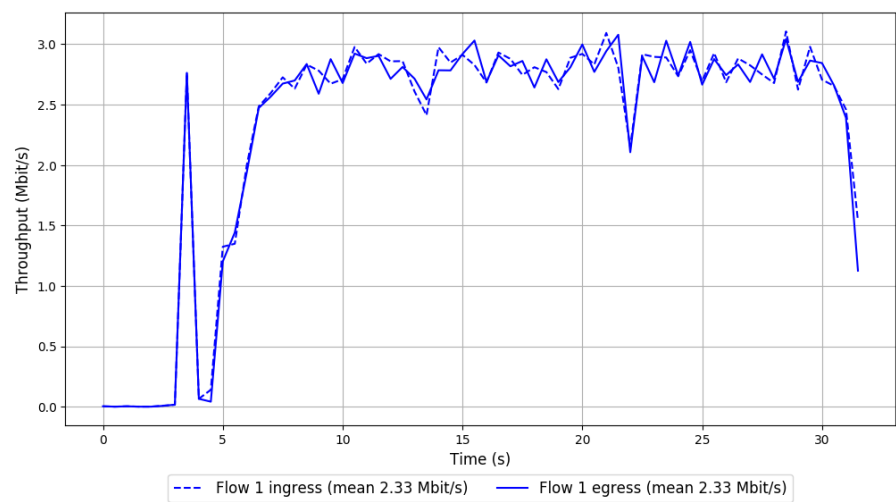
Run 6: Report of WebRTC media — Data Link

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

Flow 1 (95th percentile 58.48 ms)

```
Run 7: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 23:41:44 +0000
End at: Sun, 16 Jul 2017 23:42:14 +0000
Local clock offset: 0.543 ms
Remote clock offset: -7.031 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 58.973 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 58.973 ms
Loss rate: 0.44%
```
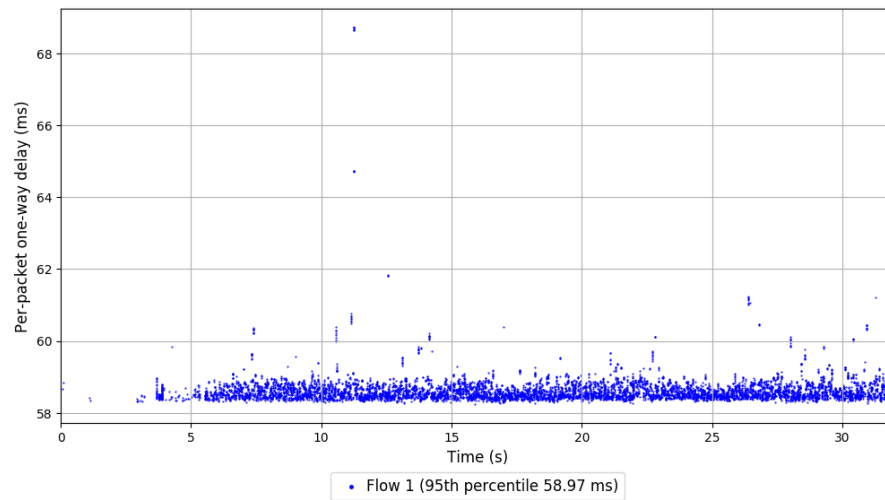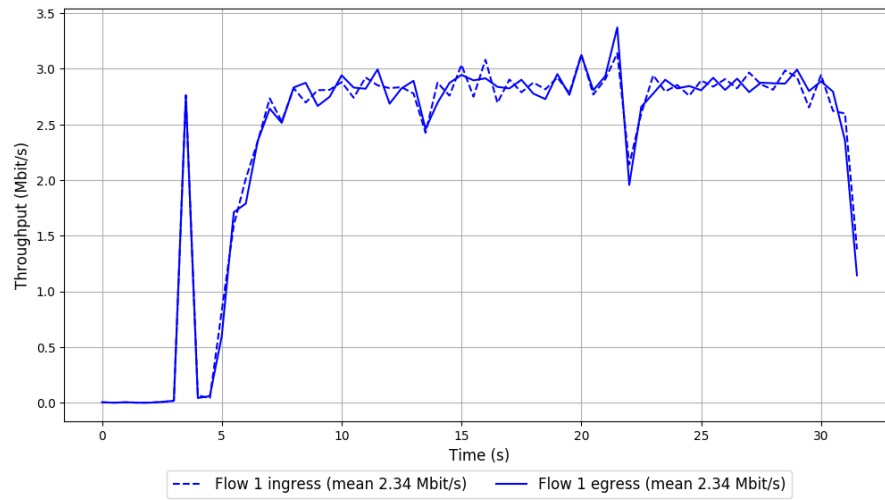
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 23:59:11 +0000
End at: Sun, 16 Jul 2017 23:59:41 +0000
Local clock offset: 0.556 ms
Remote clock offset: -6.054 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 57.996 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 57.996 ms
Loss rate: 0.45%
```
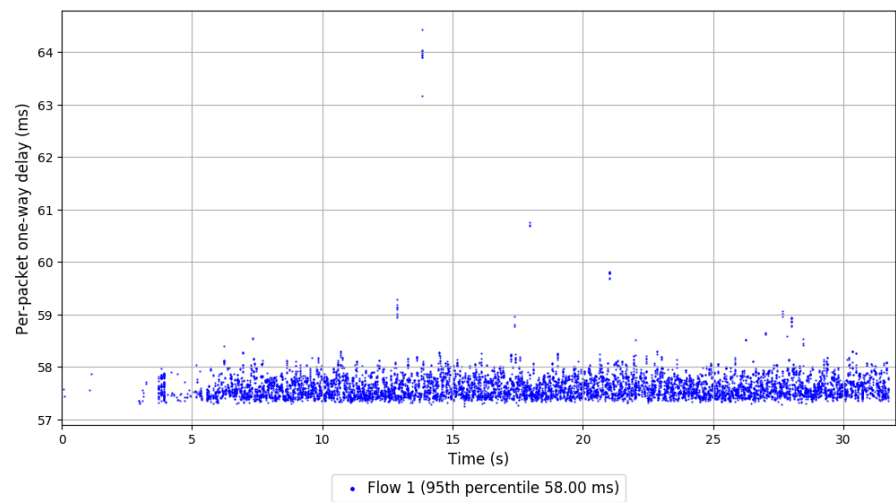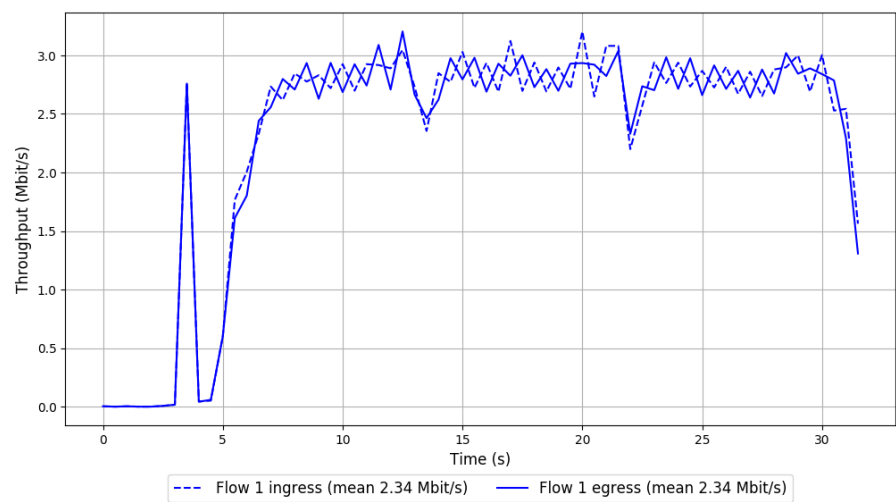
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: Mon, 17 Jul 2017 00:16:34 +0000
End at: Mon, 17 Jul 2017 00:17:04 +0000
Local clock offset: 0.53 ms
Remote clock offset: -5.522 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 58.624 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 58.624 ms
Loss rate: 0.43%
```
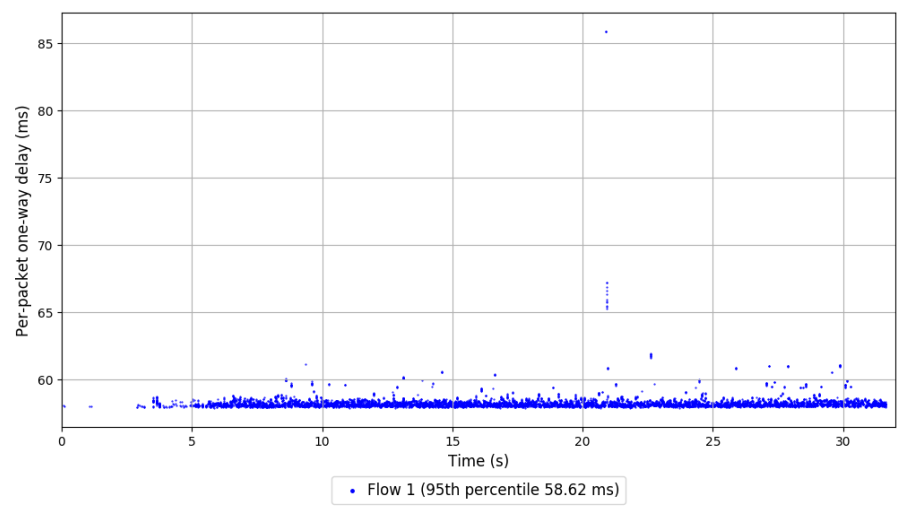
Run 9: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.35 Mbit/s) — Flow 1 egress (mean 2.35 Mbit/s)

Flow 1 (95th percentile 58.62 ms)

```
Run 10: Statistics of WebRTC media

Start at: Mon, 17 Jul 2017 00:33:53 +0000
End at: Mon, 17 Jul 2017 00:34:23 +0000
Local clock offset: 0.458 ms
Remote clock offset: -5.986 ms


# Below is generated by plot.py at Mon, 17 Jul 2017 01:22:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 58.179 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 58.179 ms
Loss rate: 0.46%
```
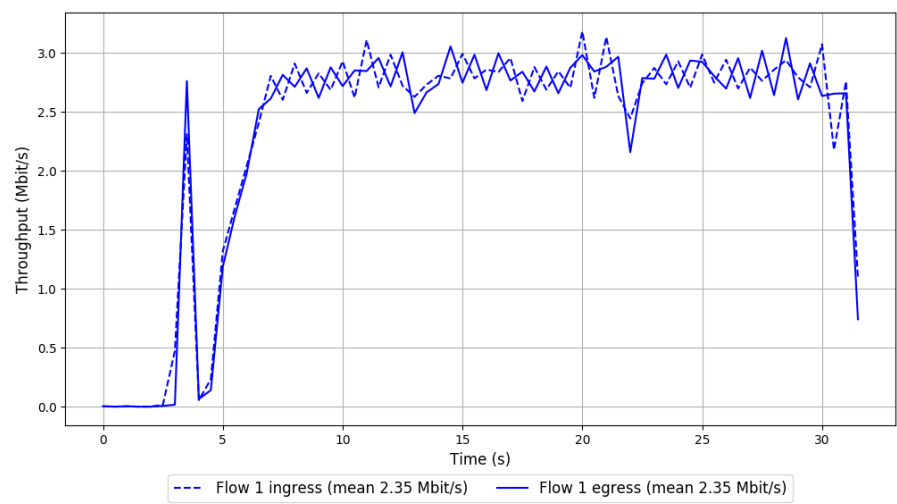
Run 10: Report of WebRTC media — Data Link