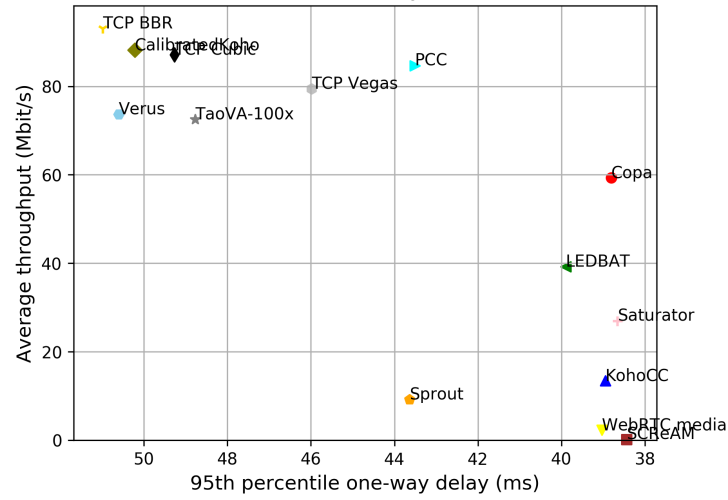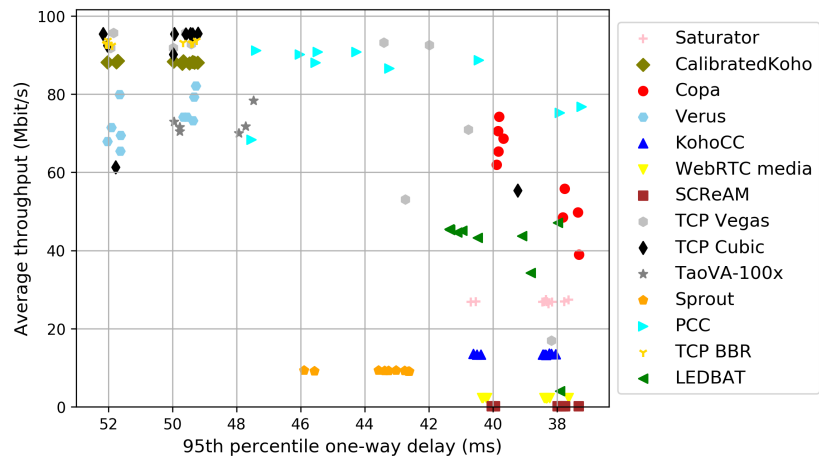**Pantheon Summary** (Generated at Tue, 25 Jul 2017 03:44:22 +0000 with pantheon version `266b116f0817a07d000b4d181ce187fd27d3e654`)

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

Data path: Mexico Ethernet (*remote*) →AWS California 2 Ethernet (*local*).

NTP offset measured against time.stanford.edu and has been applied to correct the timestamps in logs.

```
git branch: master @ 266b116f0817a07d000b4d181ce187fd27d3e654
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 Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme (mean of all runs by scheme)

test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme

scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.07	50.98	0.36
CalibratedKoho	10	88.19	50.22	0.34
Copa	10	59.31	38.81	0.29
TCP Cubic	10	87.16	49.27	0.35
KohoCC	10	13.46	38.95	0.30
LEDBAT	10	39.22	39.90	0.56
PCC	10	84.70	43.51	0.35
QUIC Cubic	10	nan	nan	nan
Saturator	10	26.97	38.66	0.30
SCReAM	10	0.22	38.44	0.25
Sprout	10	9.25	43.64	0.32
TaoVA-100x	10	72.53	48.77	0.33
TCP Vegas	10	79.47	45.98	0.32
Verus	10	73.70	50.60	0.46
WebRTC media	10	2.27	39.03	0.35

```
Run 1: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 23:41:39 +0000
End at: Mon, 24 Jul 2017 23:42:09 +0000
Local clock offset: 0.137 ms
Remote clock offset: -2.485 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:35:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 49.253 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 93.74 Mbit/s
95th percentile per-packet one-way delay: 49.253 ms
Loss rate: 0.35%
```
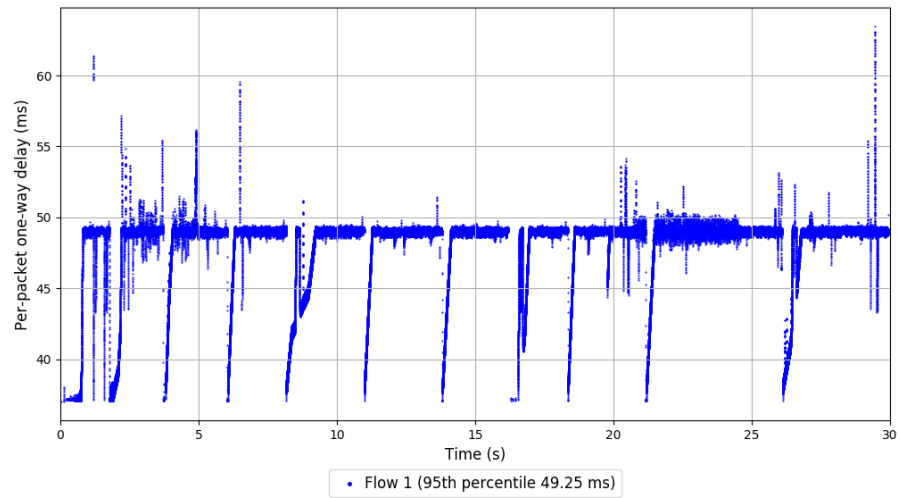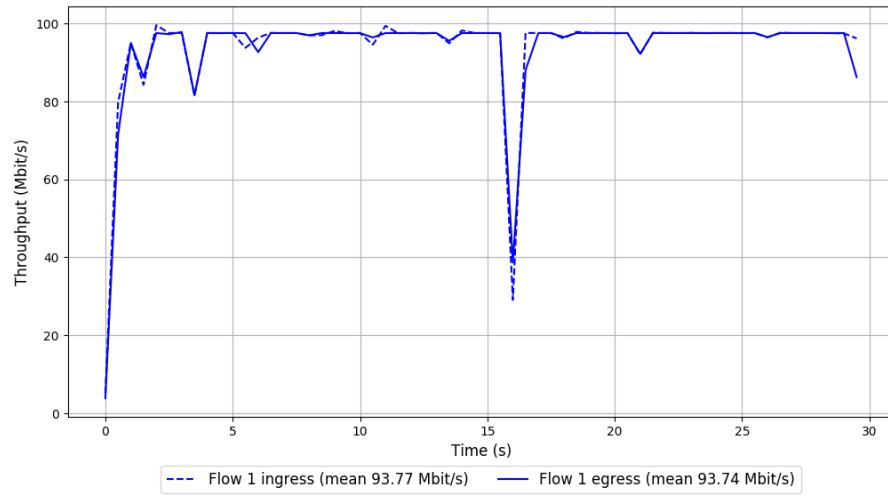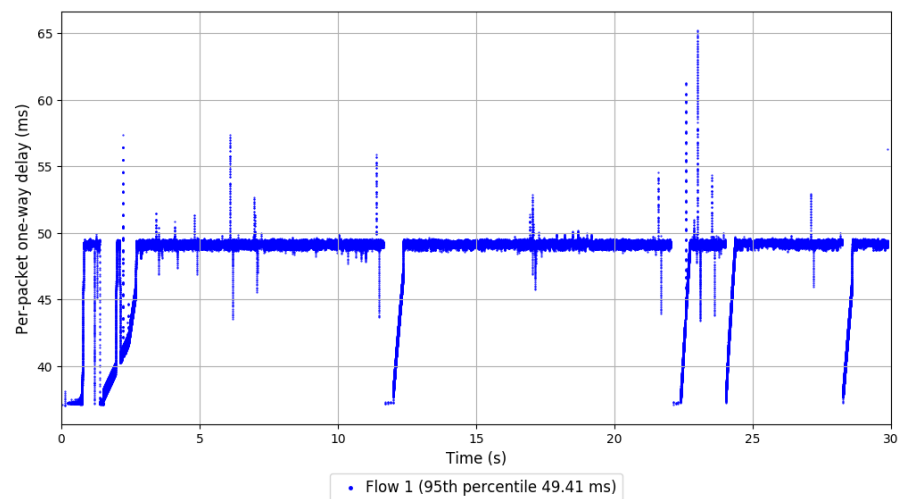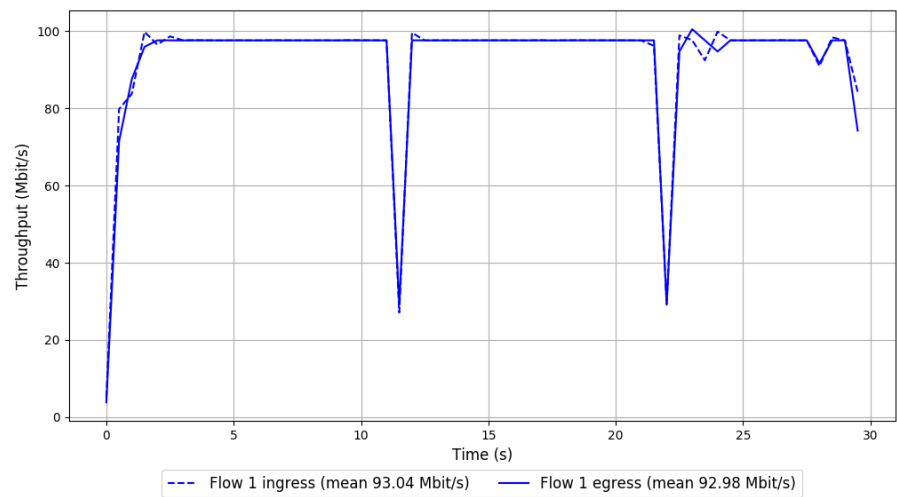
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 00:02:13 +0000
End at: Tue, 25 Jul 2017 00:02:43 +0000
Local clock offset: 0.077 ms
Remote clock offset: -2.371 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:35:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 49.413 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 49.413 ms
Loss rate: 0.35%
```
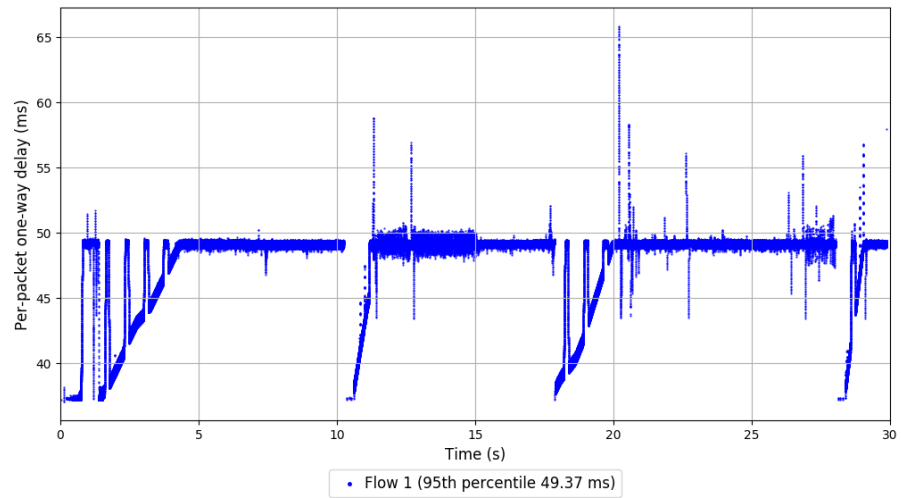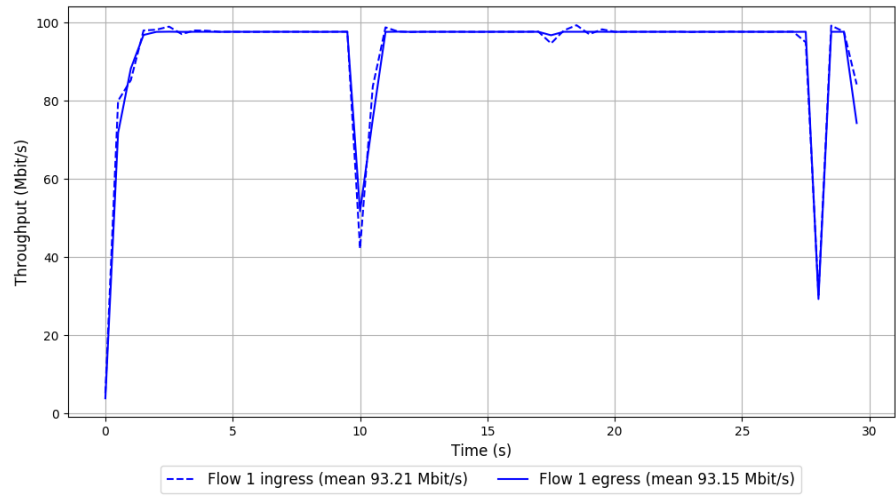
Run 2: Report of TCP BBR — Data Link

```
Run 3: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 00:22:49 +0000
End at: Tue, 25 Jul 2017 00:23:19 +0000
Local clock offset: 0.241 ms
Remote clock offset: -2.201 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:35:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.15 Mbit/s
95th percentile per-packet one-way delay: 49.373 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 93.15 Mbit/s
95th percentile per-packet one-way delay: 49.373 ms
Loss rate: 0.35%
```

Run 3: Report of TCP BBR — Data Link

```
Run 4: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 00:46:09 +0000
End at: Tue, 25 Jul 2017 00:46:39 +0000
Local clock offset: 0.263 ms
Remote clock offset: -4.902 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:35:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 52.090 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 52.090 ms
Loss rate: 0.35%
```
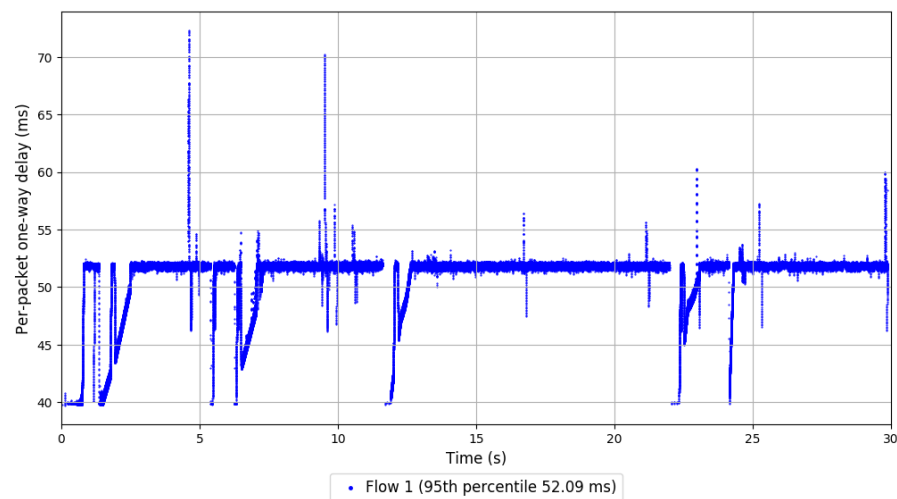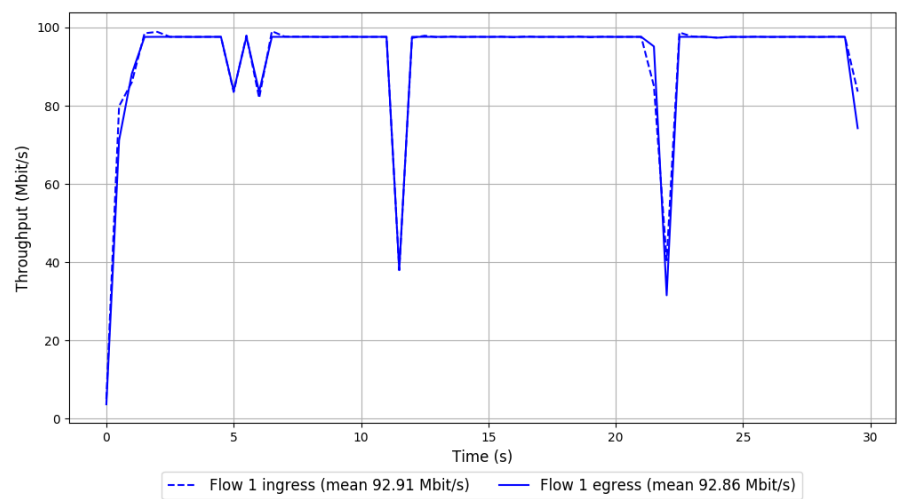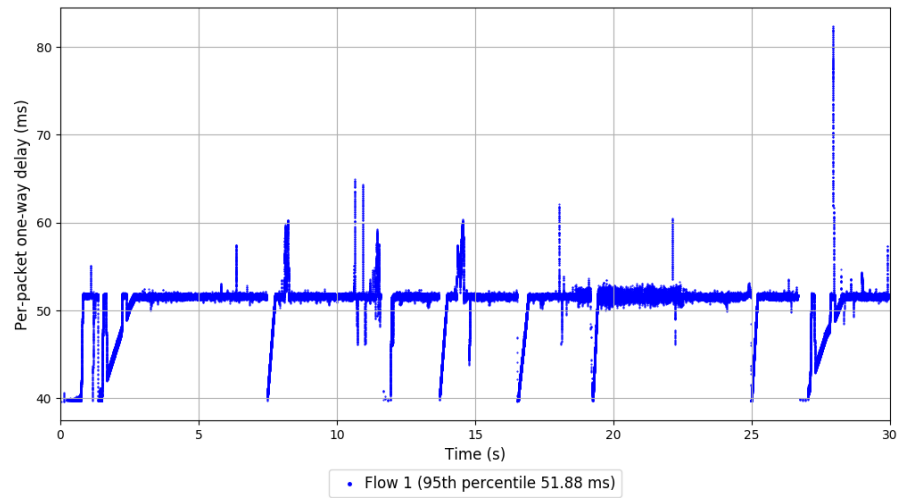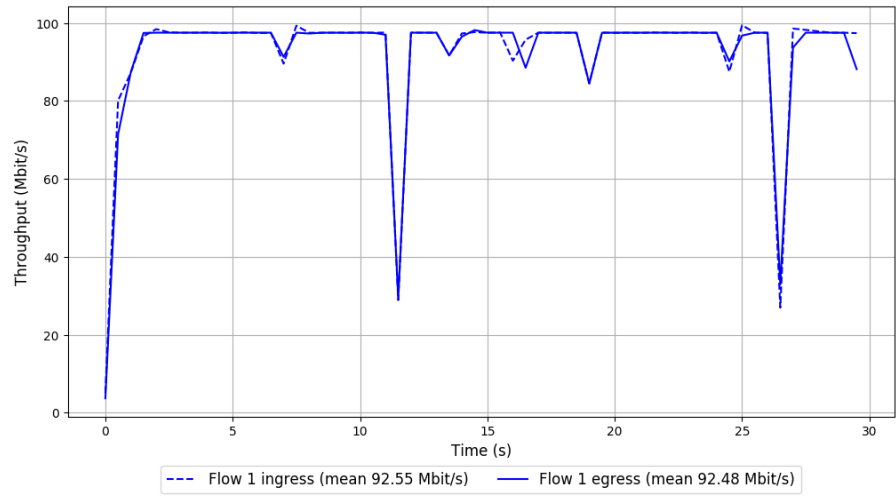
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 92.91 Mbit/s)   Flow 1 egress (mean 92.86 Mbit/s)

• Flow 1 (95th percentile 52.09 ms)

```
Run 5: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 01:07:41 +0000
End at: Tue, 25 Jul 2017 01:08:11 +0000
Local clock offset: 0.468 ms
Remote clock offset: -4.612 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:35:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 51.884 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 92.48 Mbit/s
95th percentile per-packet one-way delay: 51.884 ms
Loss rate: 0.36%
```
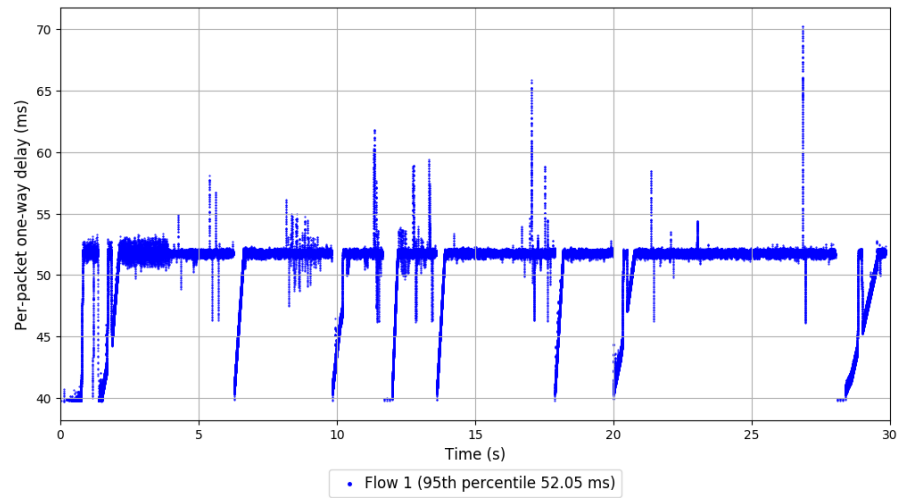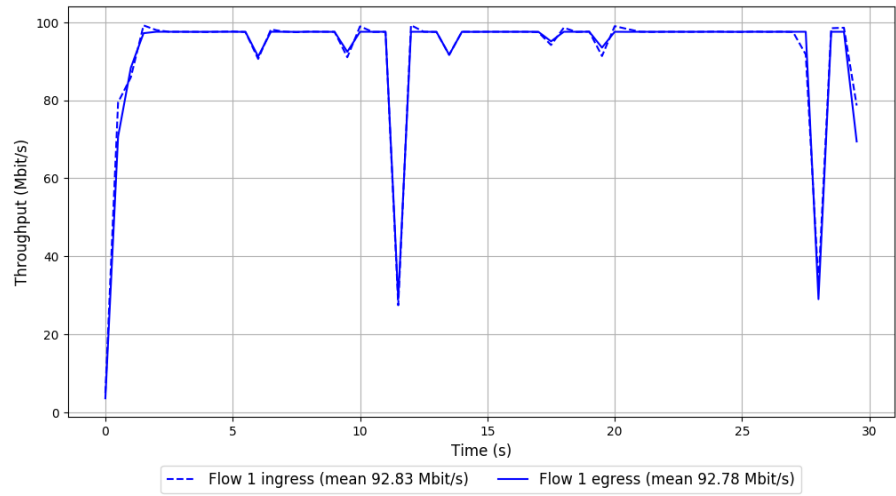
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 92.55 Mbit/s)   Flow 1 egress (mean 92.48 Mbit/s)

Flow 1 (95th percentile 51.88 ms)

13

```
Run 6: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 01:27:59 +0000
End at: Tue, 25 Jul 2017 01:28:29 +0000
Local clock offset: 0.673 ms
Remote clock offset: -4.082 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:35:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 52.053 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 92.78 Mbit/s
95th percentile per-packet one-way delay: 52.053 ms
Loss rate: 0.35%
```
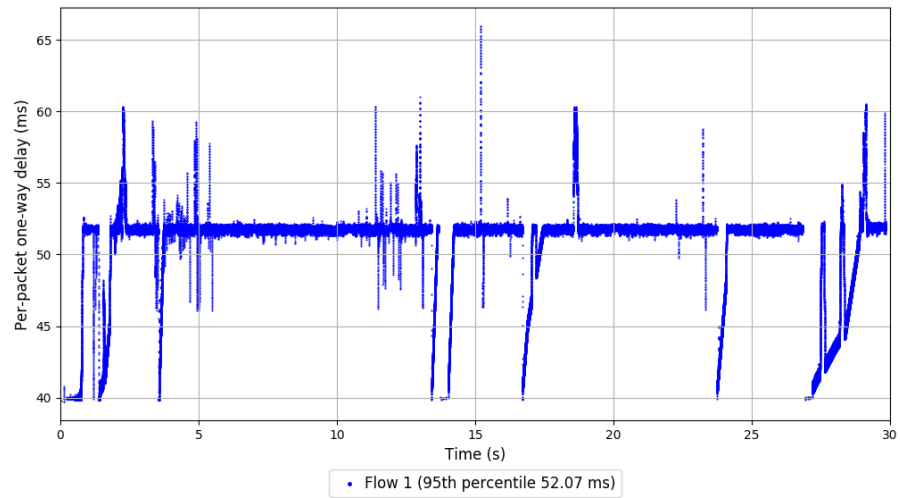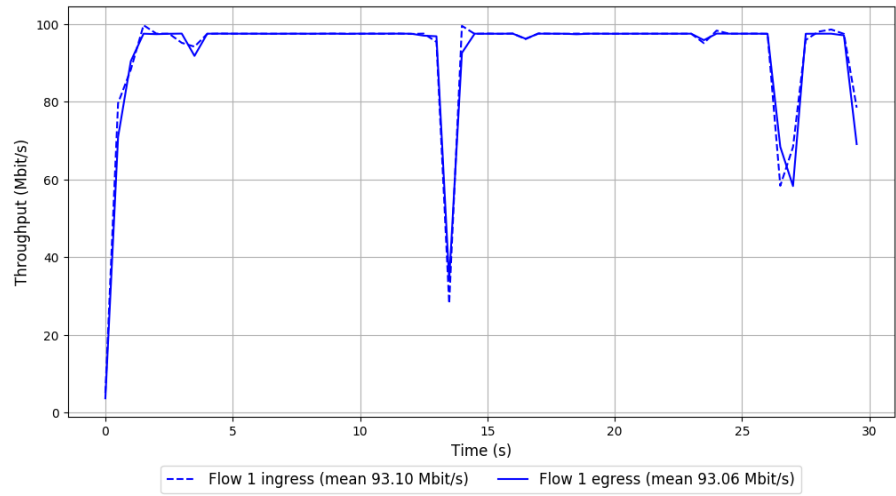
Run 6: Report of TCP BBR — Data Link

```
Run 7: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 01:48:26 +0000
End at: Tue, 25 Jul 2017 01:48:56 +0000
Local clock offset: 0.757 ms
Remote clock offset: -3.682 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:35:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 52.070 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 93.06 Mbit/s
95th percentile per-packet one-way delay: 52.070 ms
Loss rate: 0.36%
```
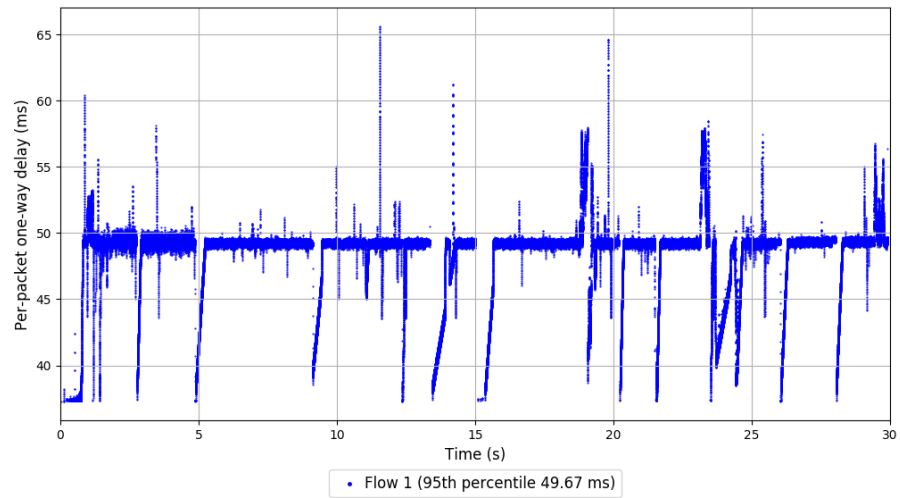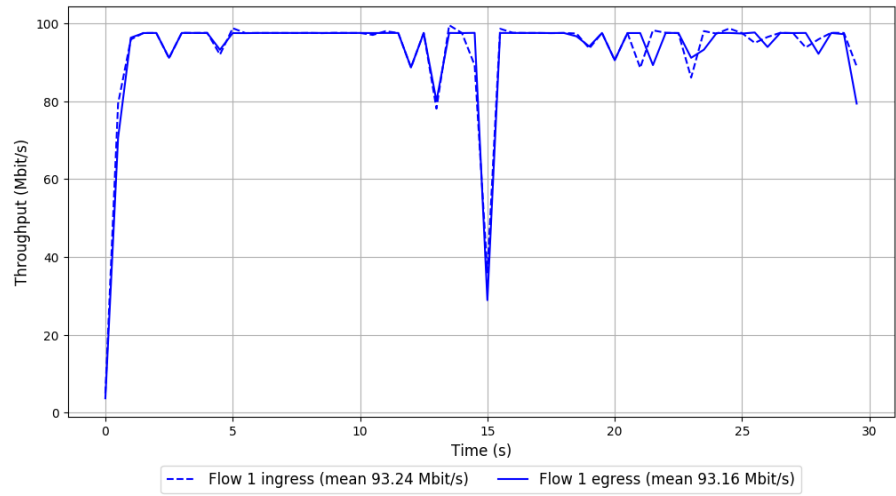
Run 7: Report of TCP BBR — Data Link

Flow 1 ingress (mean 93.10 Mbit/s) ----- Flow 1 egress (mean 93.06 Mbit/s)

• Flow 1 (95th percentile 52.07 ms)

17

```
Run 8: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 02:08:59 +0000
End at: Tue, 25 Jul 2017 02:09:29 +0000
Local clock offset: 0.883 ms
Remote clock offset: -1.002 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:35:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 49.674 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 49.674 ms
Loss rate: 0.37%
```
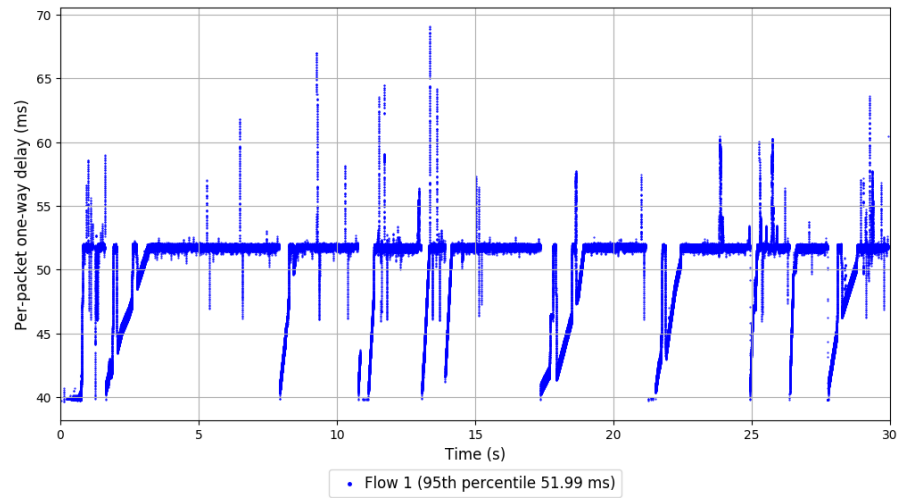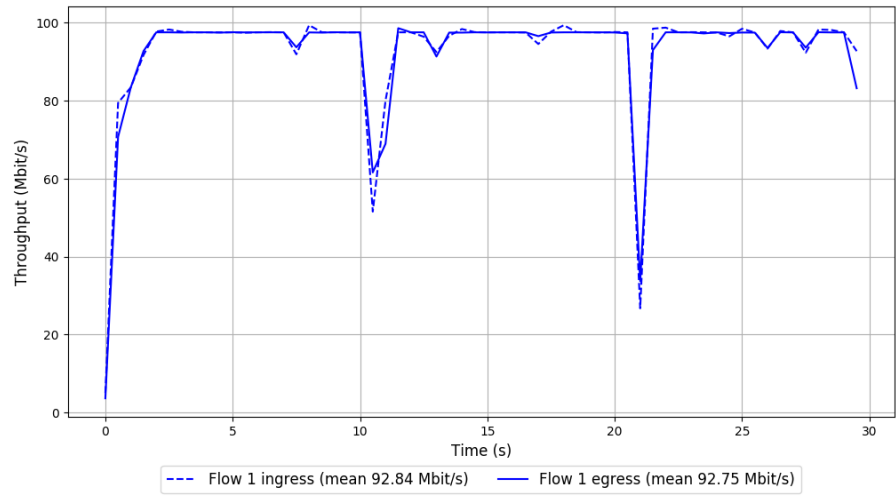
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 93.24 Mbit/s)   Flow 1 egress (mean 93.16 Mbit/s)

Flow 1 (95th percentile 49.67 ms)

```
Run 9: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 02:29:21 +0000
End at: Tue, 25 Jul 2017 02:29:51 +0000
Local clock offset: 0.932 ms
Remote clock offset: -3.261 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:35:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 51.991 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 92.75 Mbit/s
95th percentile per-packet one-way delay: 51.991 ms
Loss rate: 0.37%
```
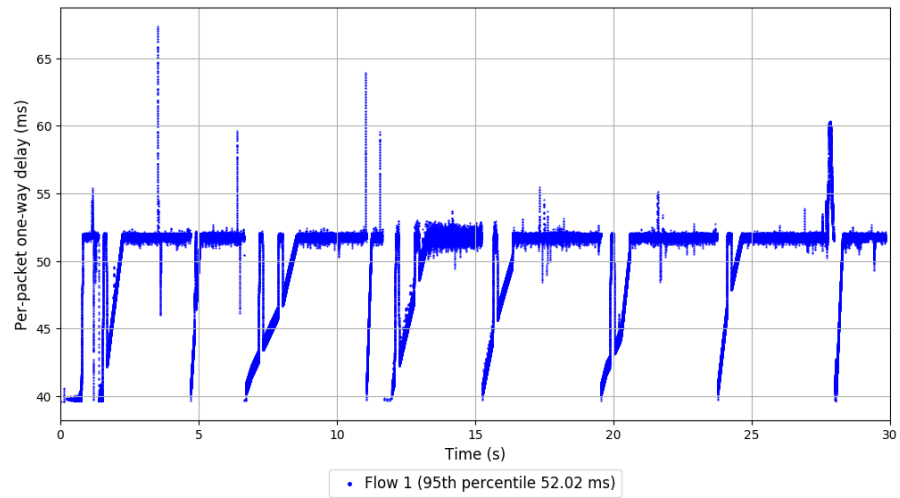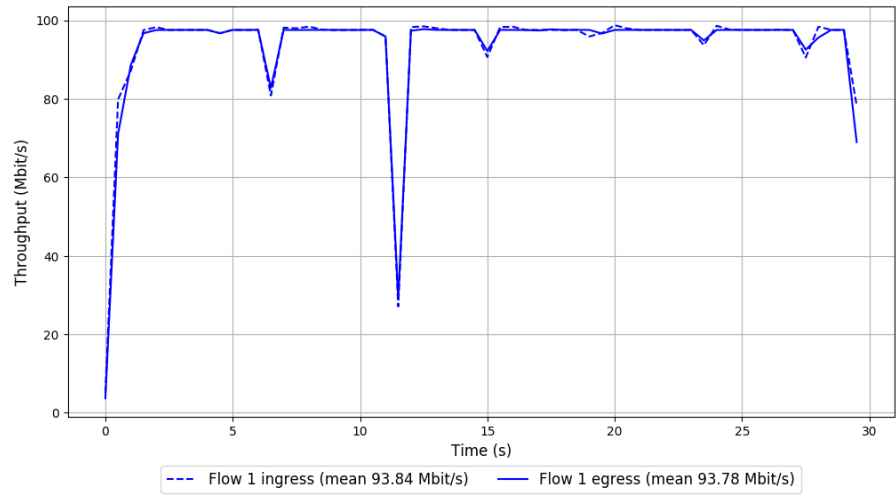
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 92.84 Mbit/s) ----- Flow 1 egress (mean 92.75 Mbit/s)

• Flow 1 (95th percentile 51.99 ms)

```
Run 10: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 02:50:48 +0000
End at: Tue, 25 Jul 2017 02:51:18 +0000
Local clock offset: 0.809 ms
Remote clock offset: -3.252 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:35:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 52.023 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 93.78 Mbit/s
95th percentile per-packet one-way delay: 52.023 ms
Loss rate: 0.36%
```
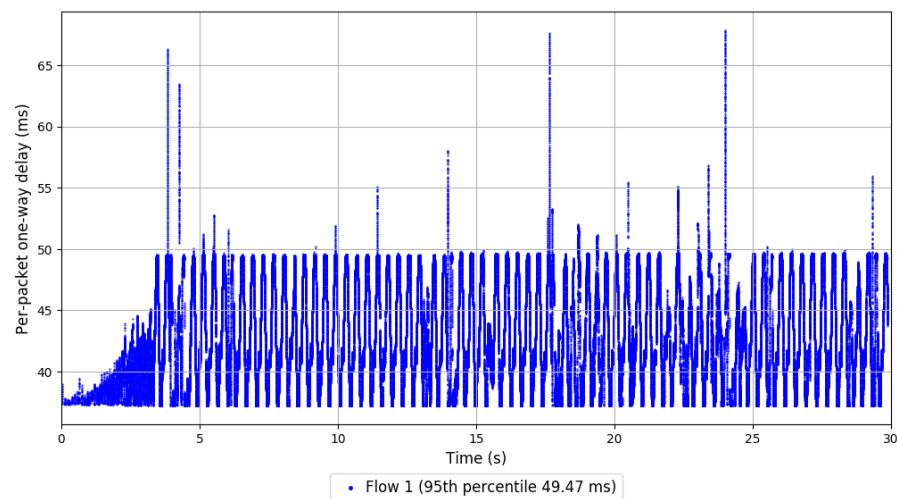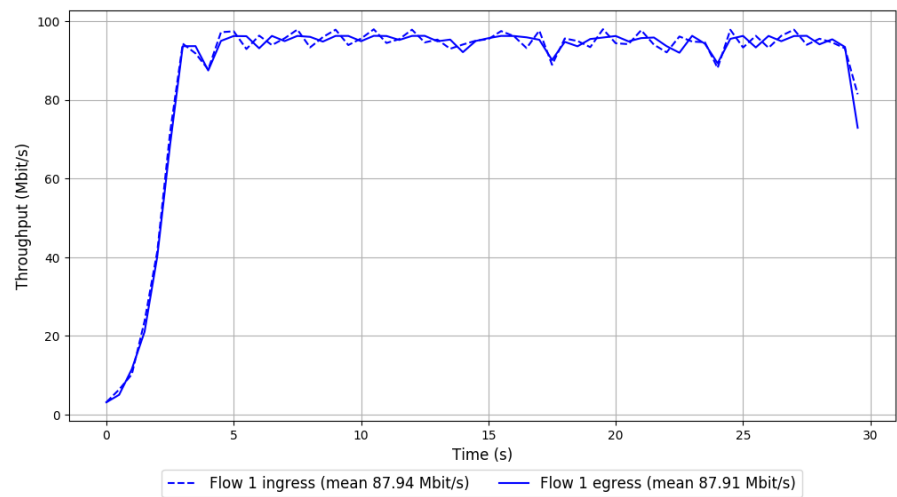
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 93.84 Mbit/s)   Flow 1 egress (mean 93.78 Mbit/s)

Flow 1 (95th percentile 52.02 ms)

```
Run 1: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 23:46:00 +0000
End at: Mon, 24 Jul 2017 23:46:30 +0000
Local clock offset: 0.243 ms
Remote clock offset: -2.598 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:36:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 49.474 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 87.91 Mbit/s
95th percentile per-packet one-way delay: 49.474 ms
Loss rate: 0.31%
```
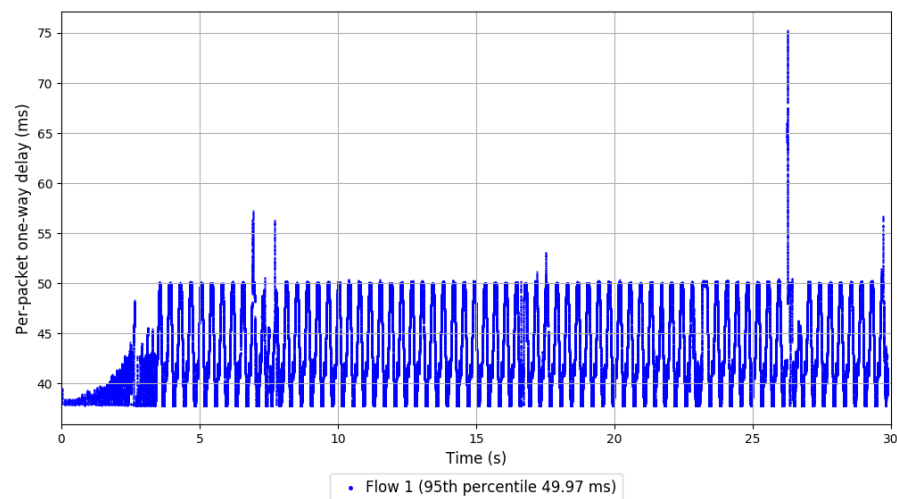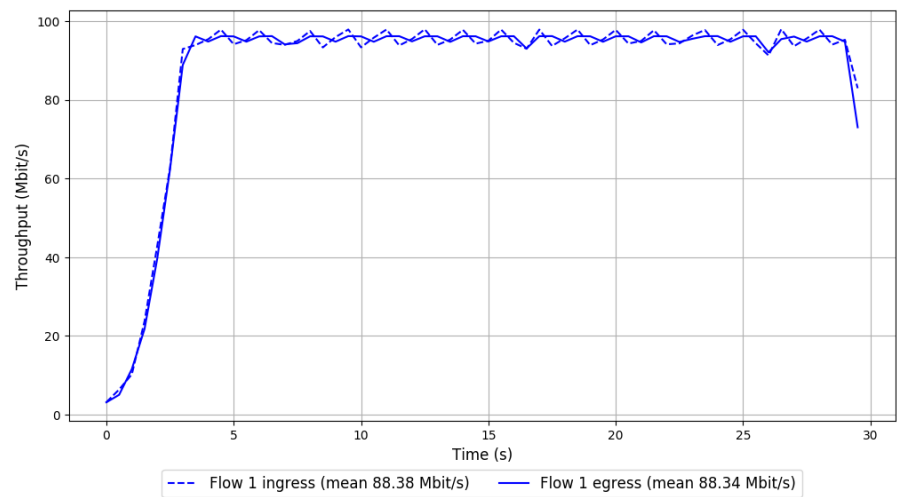
Run 1: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 87.94 Mbit/s)   Flow 1 egress (mean 87.91 Mbit/s)

• Flow 1 (95th percentile 49.47 ms)

```
Run 2: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 00:06:23 +0000
End at: Tue, 25 Jul 2017 00:06:53 +0000
Local clock offset: 0.149 ms
Remote clock offset: -2.888 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:36:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 49.965 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 88.34 Mbit/s
95th percentile per-packet one-way delay: 49.965 ms
Loss rate: 0.34%
```
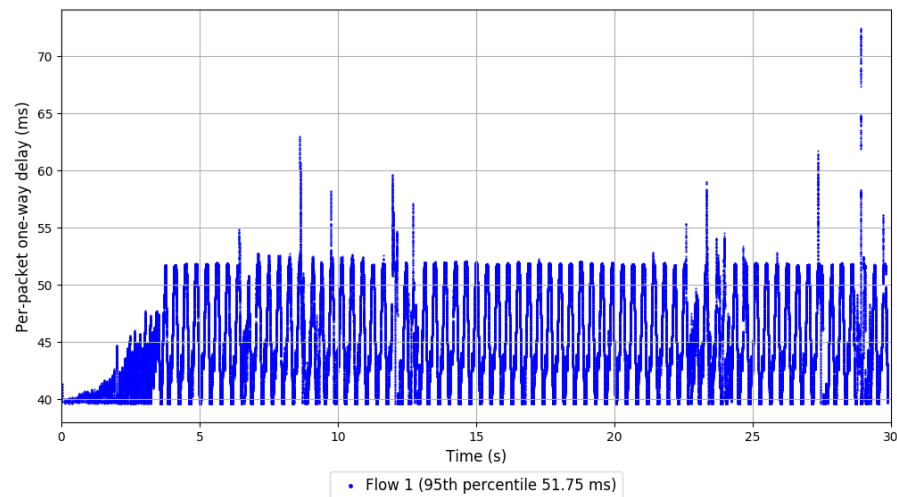
Run 2: Report of CalibratedKoho — Data Link

```
Run 3: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 00:27:53 +0000
End at: Tue, 25 Jul 2017 00:28:23 +0000
Local clock offset: 0.204 ms
Remote clock offset: -4.771 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:36:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 51.748 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 51.748 ms
Loss rate: 0.32%
```
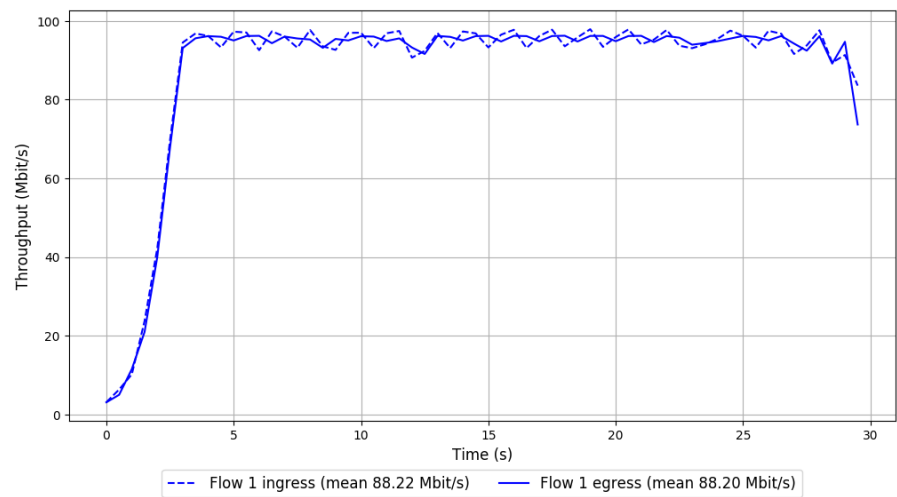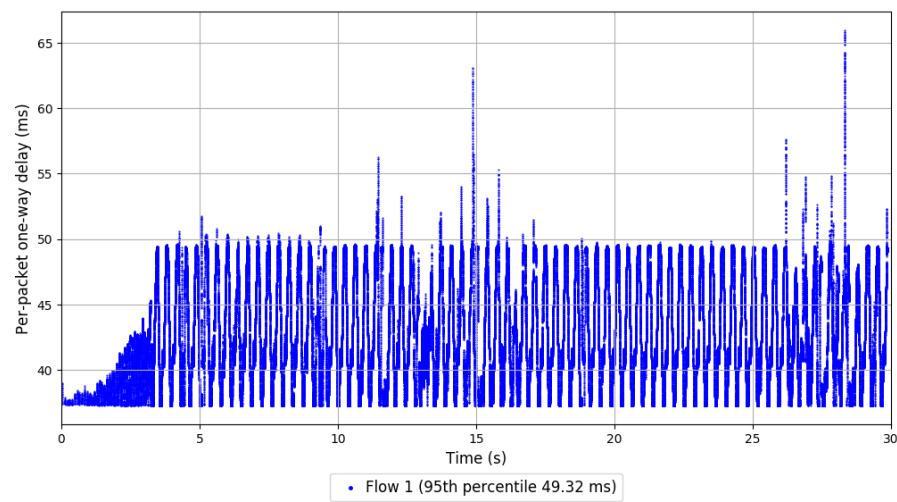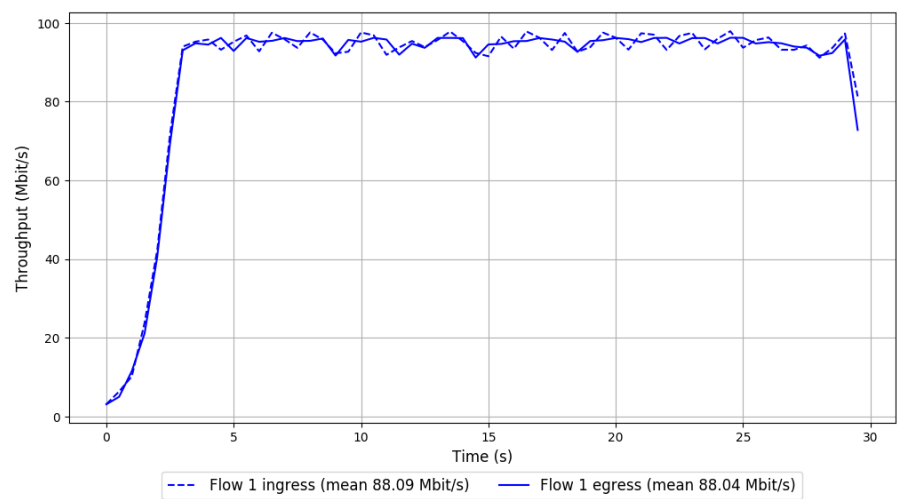
Run 3: Report of CalibratedKoho — Data Link

```
Run 4: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 00:50:55 +0000
End at: Tue, 25 Jul 2017 00:51:25 +0000
Local clock offset: 0.262 ms
Remote clock offset: -2.341 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:36:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 49.318 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 88.04 Mbit/s
95th percentile per-packet one-way delay: 49.318 ms
Loss rate: 0.34%
```
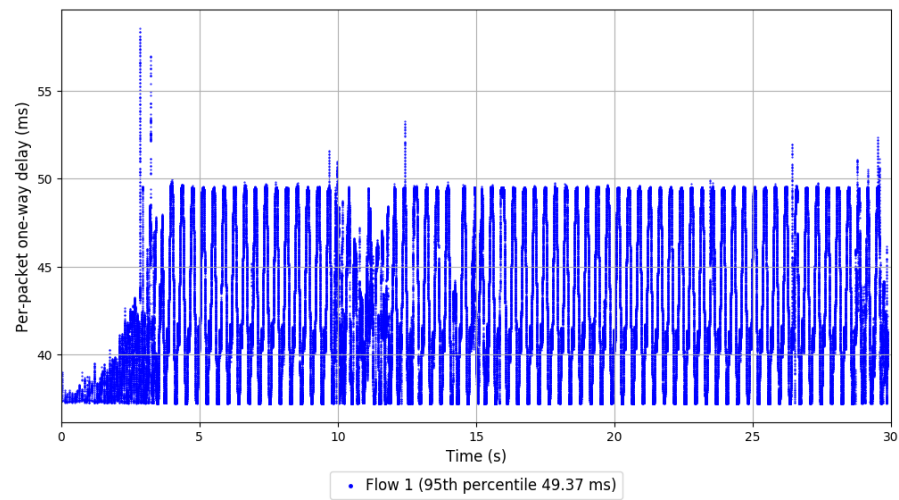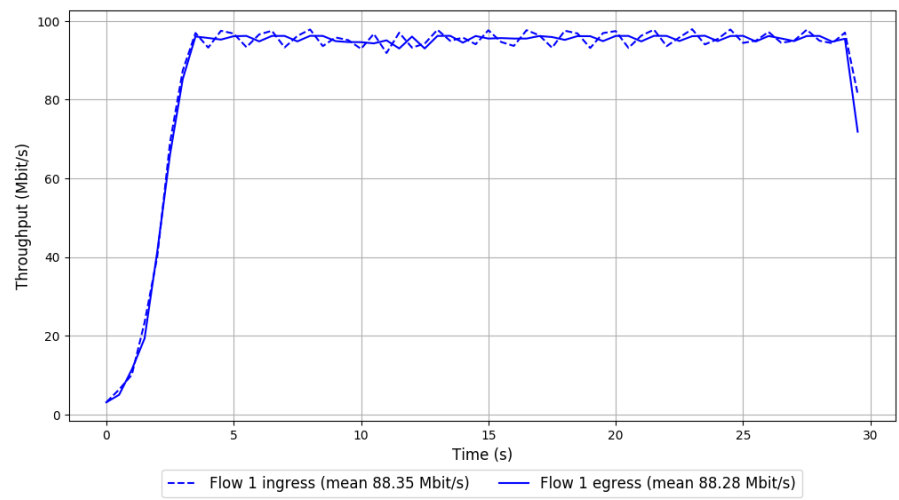
Run 4: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 88.09 Mbit/s)   Flow 1 egress (mean 88.04 Mbit/s)

Flow 1 (95th percentile 49.32 ms)

```
Run 5: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 01:12:00 +0000
End at: Tue, 25 Jul 2017 01:12:30 +0000
Local clock offset: 0.458 ms
Remote clock offset: -2.142 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:36:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 49.372 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 49.372 ms
Loss rate: 0.37%
```
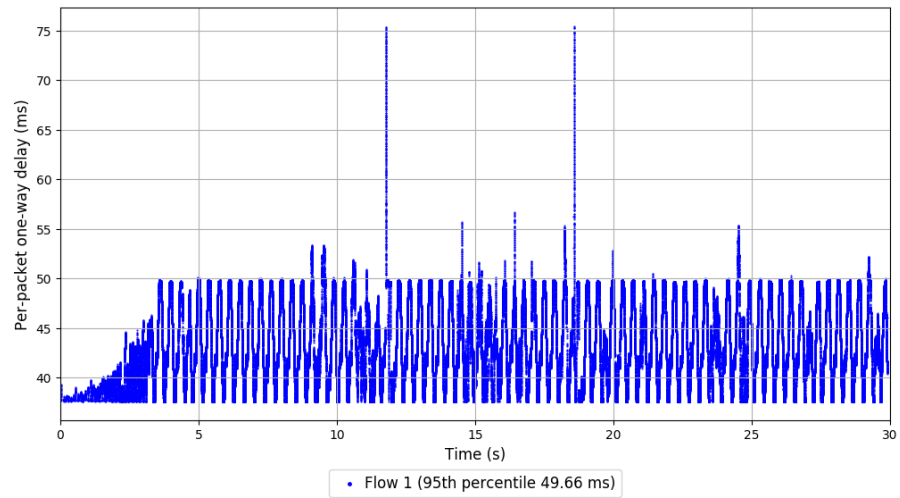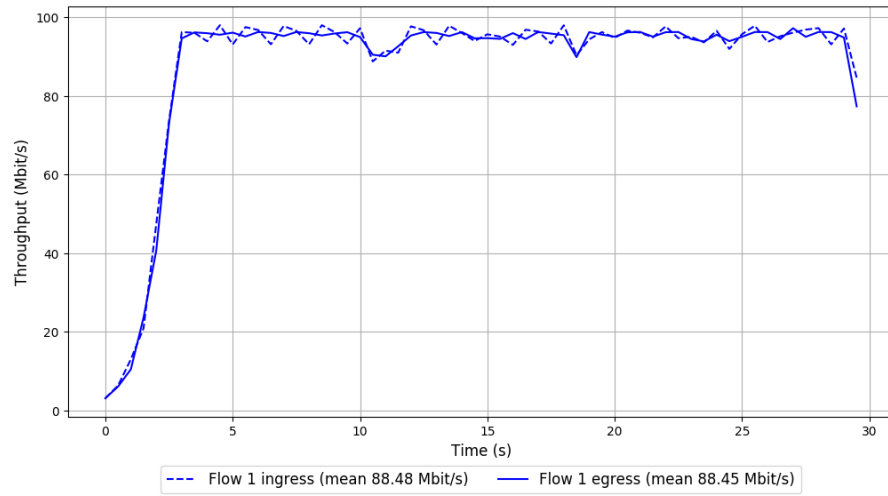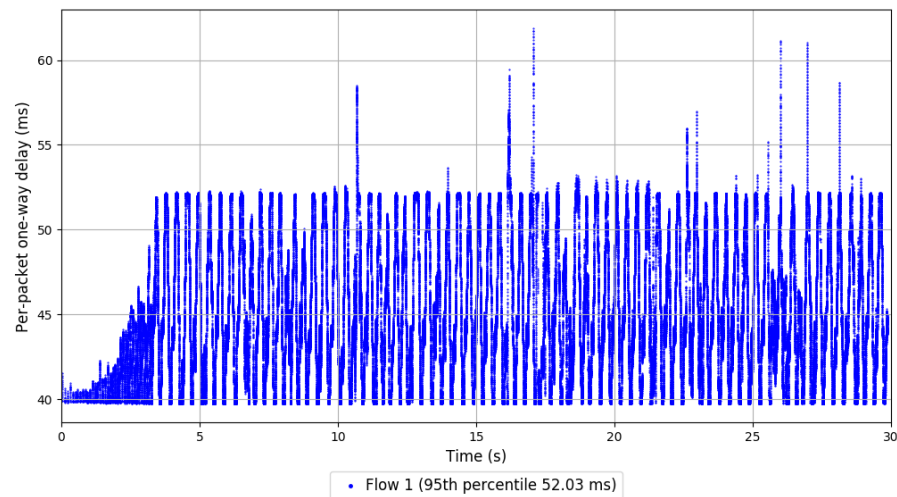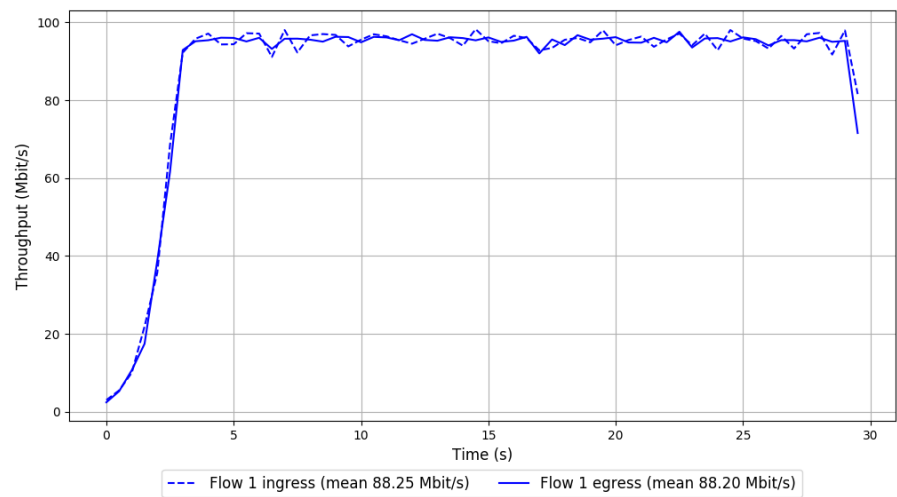
Run 5: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 88.35 Mbit/s)   —— Flow 1 egress (mean 88.28 Mbit/s)

• Flow 1 (95th percentile 49.37 ms)

```
Run 6: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 01:32:09 +0000
End at: Tue, 25 Jul 2017 01:32:39 +0000
Local clock offset: 0.6 ms
Remote clock offset: -1.866 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:36:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 49.664 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 88.45 Mbit/s
95th percentile per-packet one-way delay: 49.664 ms
Loss rate: 0.31%
```
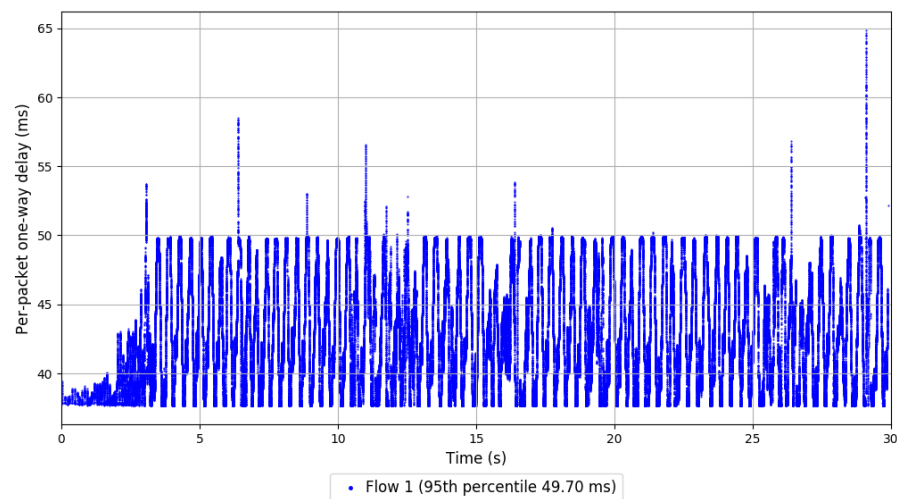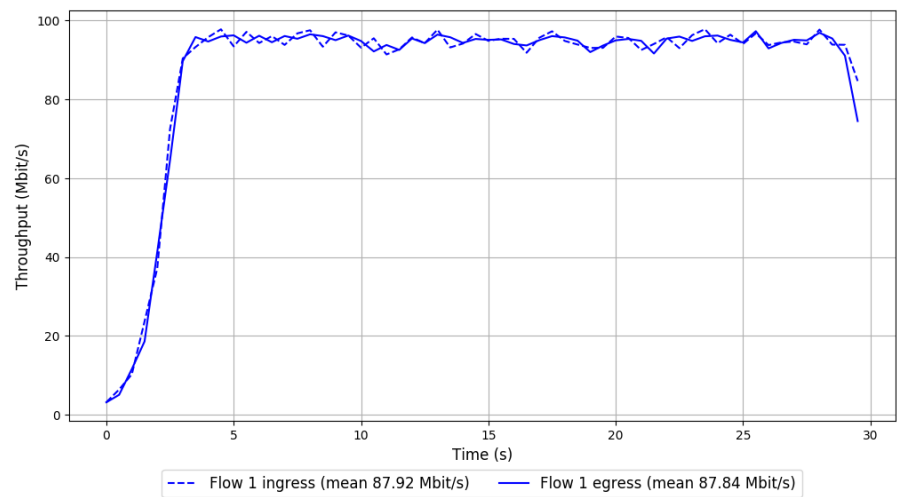
Run 6: Report of CalibratedKoho — Data Link

```
Run 7: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 01:52:42 +0000
End at: Tue, 25 Jul 2017 01:53:13 +0000
Local clock offset: 0.799 ms
Remote clock offset: -3.603 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:36:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 52.027 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 52.027 ms
Loss rate: 0.37%
```

Run 7: Report of CalibratedKoho — Data Link

```
Run 8: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 02:13:11 +0000
End at: Tue, 25 Jul 2017 02:13:41 +0000
Local clock offset: 0.807 ms
Remote clock offset: -1.427 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:36:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 49.699 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 87.84 Mbit/s
95th percentile per-packet one-way delay: 49.699 ms
Loss rate: 0.39%
```
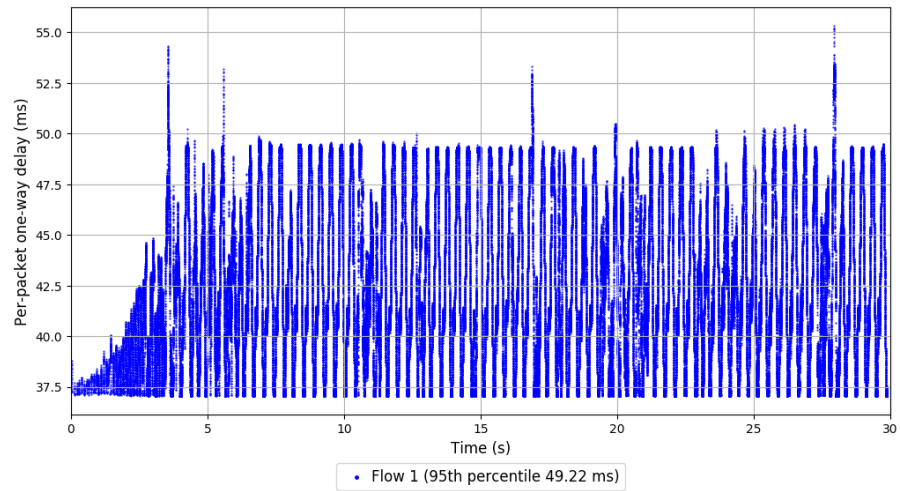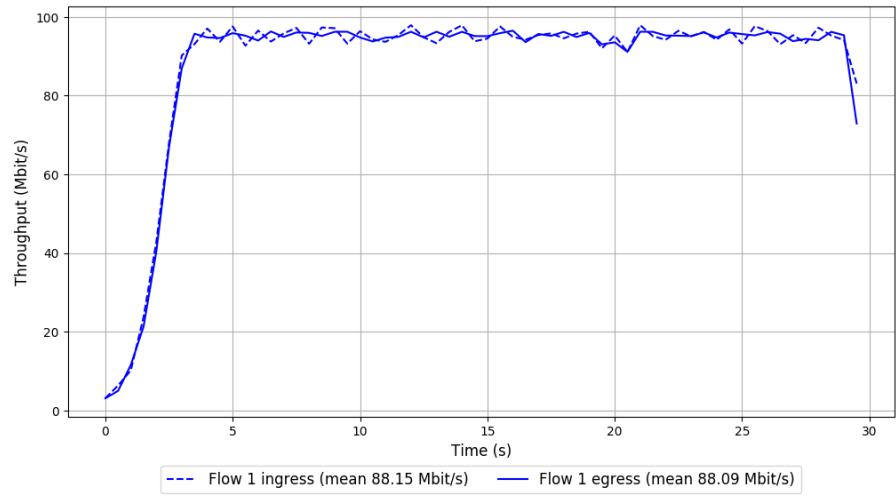
Run 8: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 87.92 Mbit/s) --- Flow 1 egress (mean 87.84 Mbit/s)

Flow 1 (95th percentile 49.70 ms)

```
Run 9: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 02:33:37 +0000
End at: Tue, 25 Jul 2017 02:34:07 +0000
Local clock offset: 0.823 ms
Remote clock offset: -0.743 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:36:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 49.220 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 49.220 ms
Loss rate: 0.36%
```
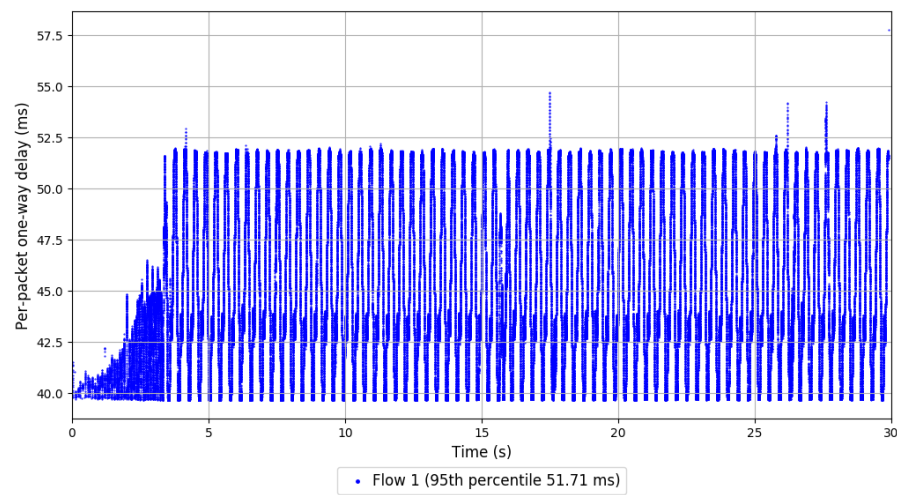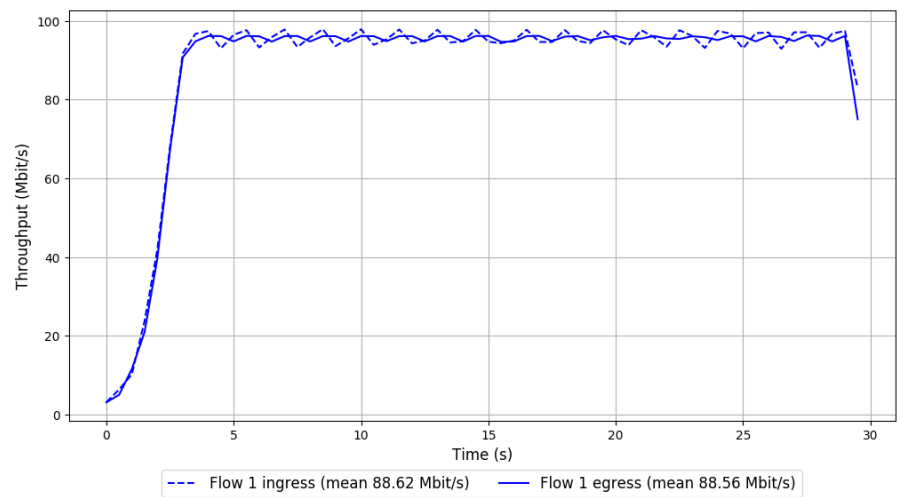
Run 9: Report of CalibratedKoho — Data Link

```
Run 10: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 02:56:13 +0000
End at: Tue, 25 Jul 2017 02:56:43 +0000
Local clock offset: 0.787 ms
Remote clock offset: -3.111 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:36:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.56 Mbit/s
95th percentile per-packet one-way delay: 51.708 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 88.56 Mbit/s
95th percentile per-packet one-way delay: 51.708 ms
Loss rate: 0.34%
```
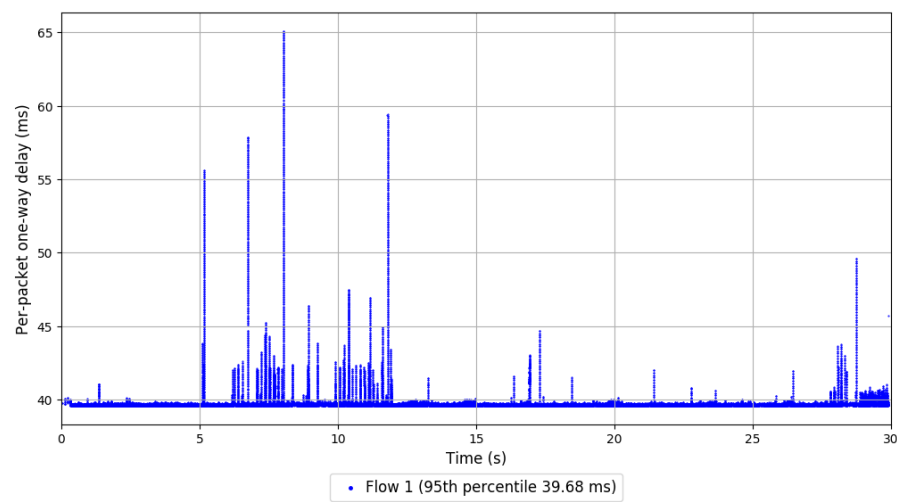
Run 10: Report of CalibratedKoho — Data Link

```
Run 1: Statistics of Copa

Start at: Mon, 24 Jul 2017 23:44:31 +0000
End at: Mon, 24 Jul 2017 23:45:01 +0000
Local clock offset: 0.13 ms
Remote clock offset: -5.037 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:37:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.62 Mbit/s
95th percentile per-packet one-way delay: 39.678 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 68.62 Mbit/s
95th percentile per-packet one-way delay: 39.678 ms
Loss rate: 0.26%
```
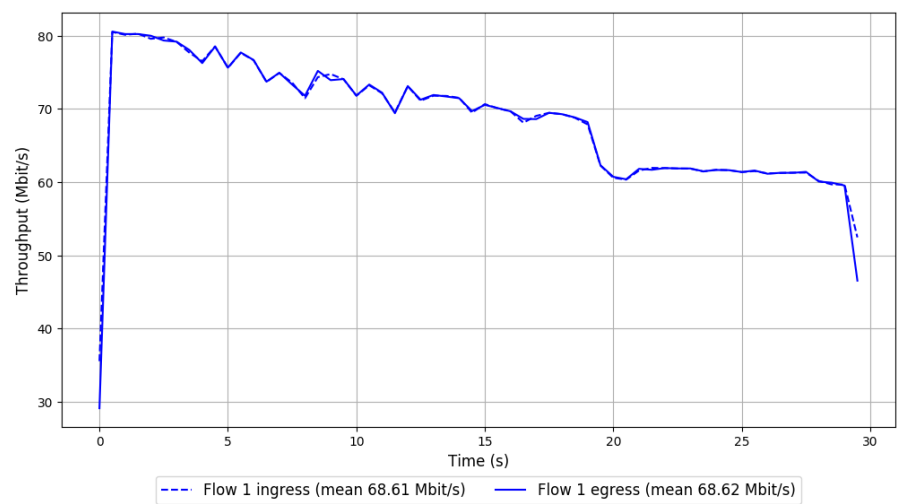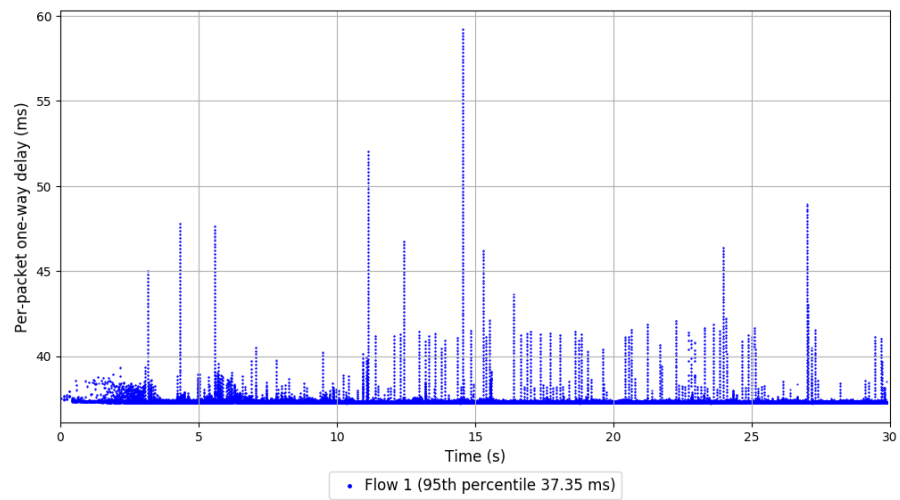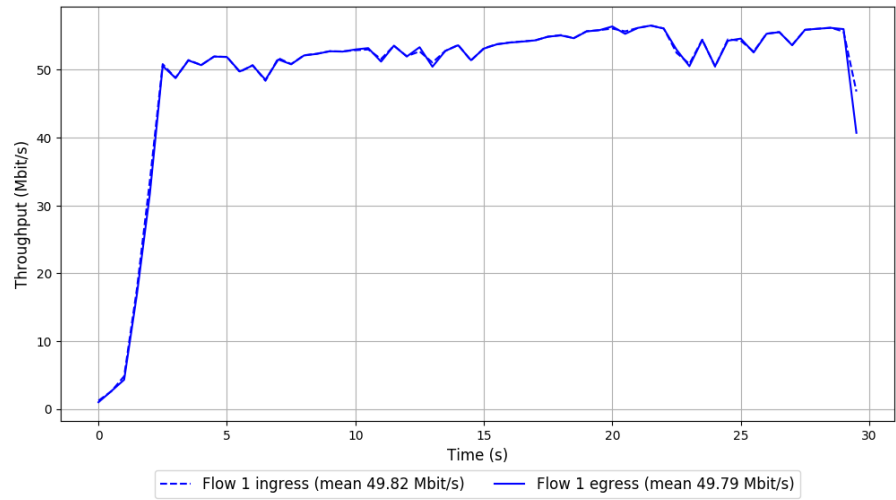
Run 1: Report of Copa — Data Link

Flow 1 ingress (mean 68.61 Mbit/s) —— Flow 1 egress (mean 68.62 Mbit/s)

• Flow 1 (95th percentile 39.68 ms)

```
Run 2: Statistics of Copa

Start at: Tue, 25 Jul 2017 00:05:00 +0000
End at: Tue, 25 Jul 2017 00:05:30 +0000
Local clock offset: 0.165 ms
Remote clock offset: -2.317 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:37:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 37.355 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 37.355 ms
Loss rate: 0.34%
```
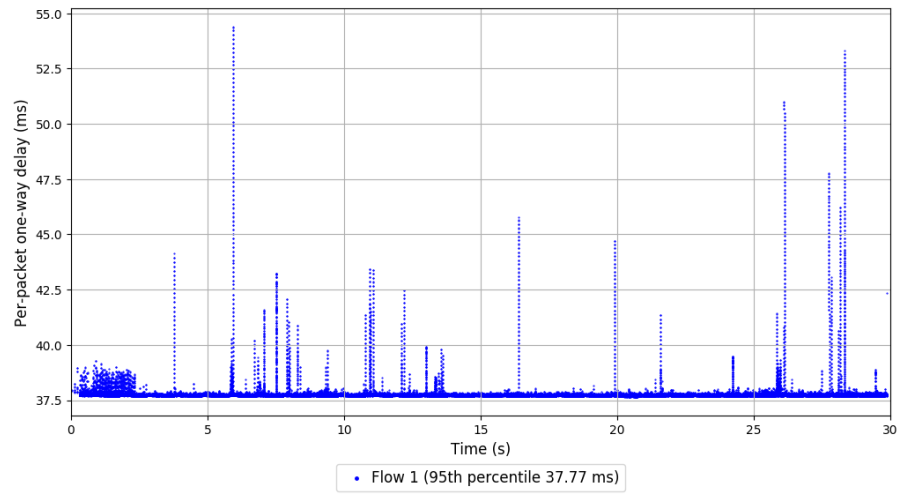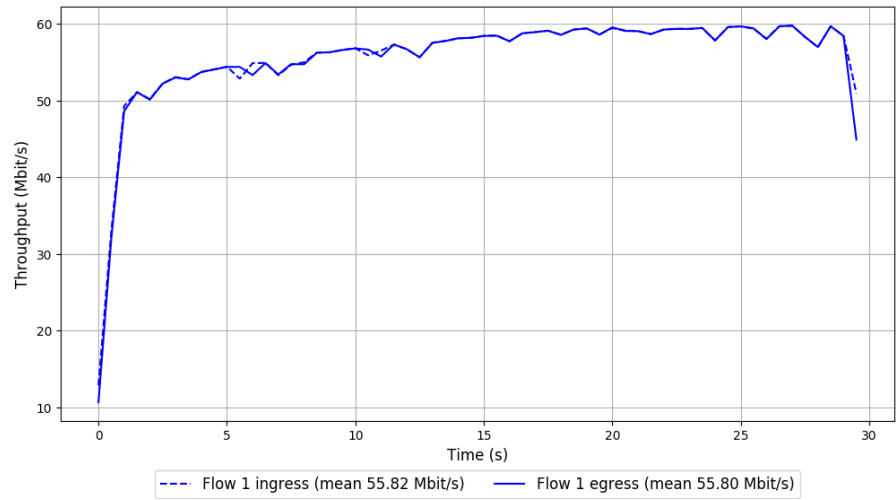
Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 49.82 Mbit/s)   Flow 1 egress (mean 49.79 Mbit/s)

Flow 1 (95th percentile 37.35 ms)

```
Run 3: Statistics of Copa

Start at: Tue, 25 Jul 2017 00:26:01 +0000
End at: Tue, 25 Jul 2017 00:26:31 +0000
Local clock offset: 0.282 ms
Remote clock offset: -2.773 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:37:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 37.767 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 55.80 Mbit/s
95th percentile per-packet one-way delay: 37.767 ms
Loss rate: 0.32%
```
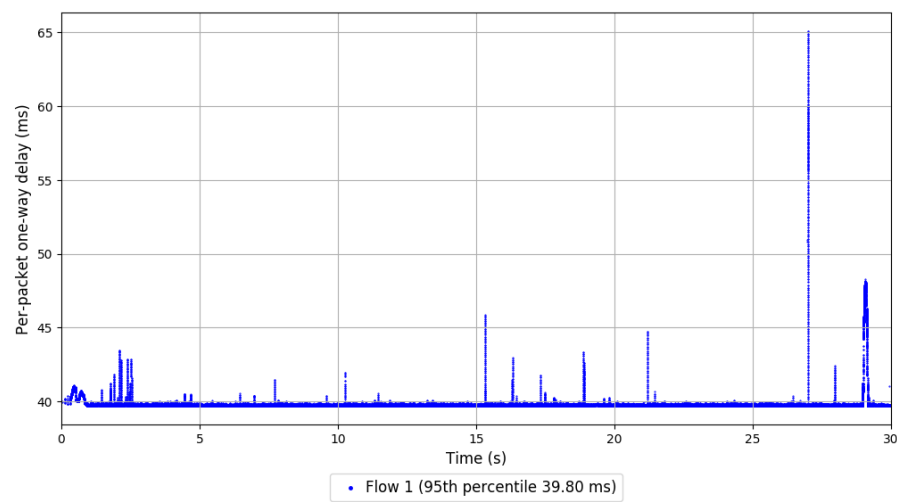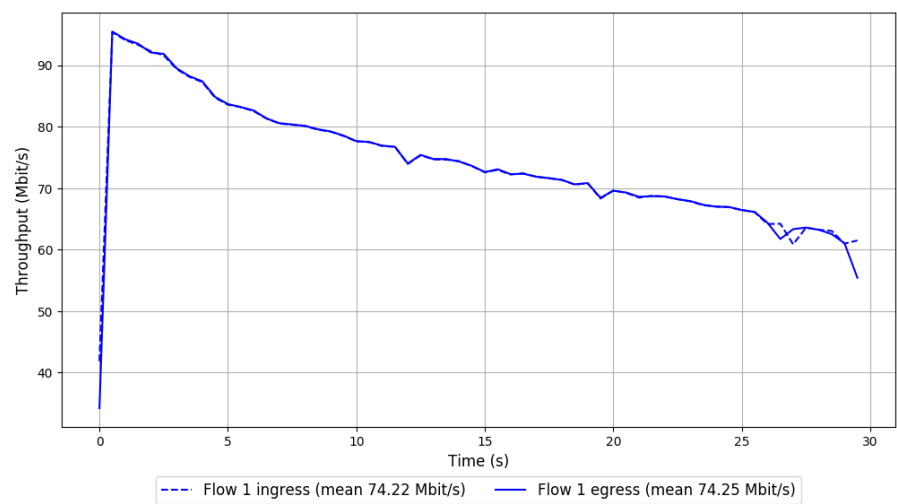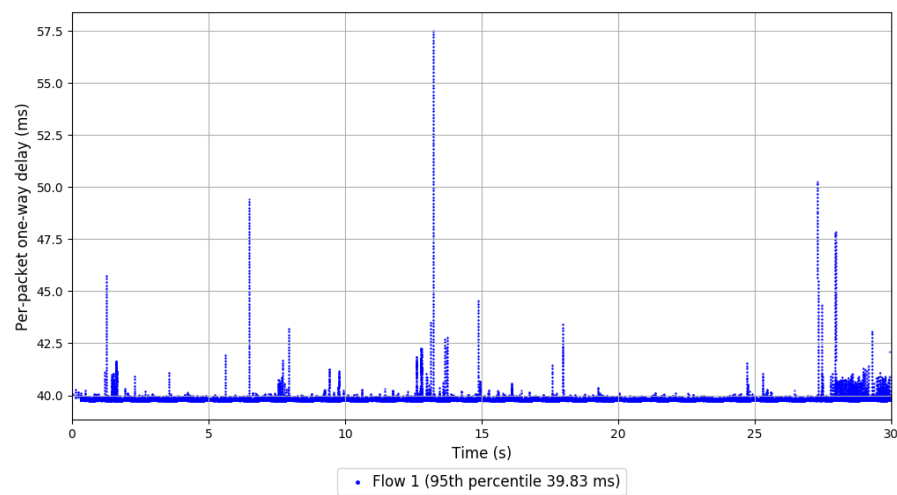
Run 3: Report of Copa — Data Link

Flow 1 ingress (mean 55.82 Mbit/s) ---- Flow 1 egress (mean 55.80 Mbit/s)

Flow 1 (95th percentile 37.77 ms)

```
Run 4: Statistics of Copa

Start at: Tue, 25 Jul 2017 00:49:12 +0000
End at: Tue, 25 Jul 2017 00:49:42 +0000
Local clock offset: 0.258 ms
Remote clock offset: -4.826 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:37:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.25 Mbit/s
95th percentile per-packet one-way delay: 39.805 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 74.25 Mbit/s
95th percentile per-packet one-way delay: 39.805 ms
Loss rate: 0.26%
```
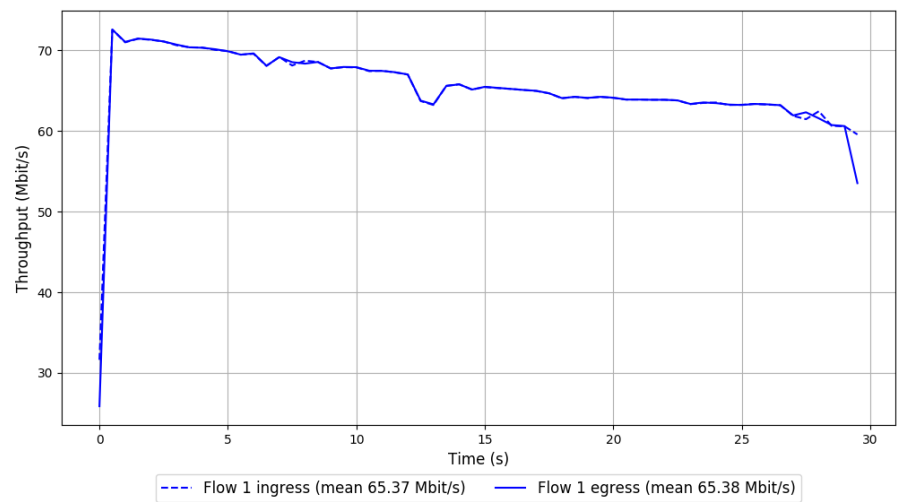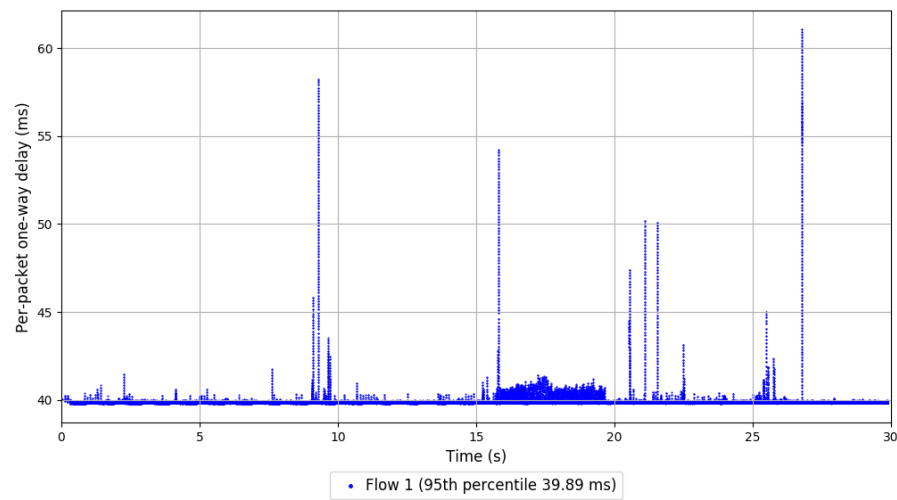
Run 4: Report of Copa — Data Link

```
Run 5: Statistics of Copa

Start at: Tue, 25 Jul 2017 01:10:32 +0000
End at: Tue, 25 Jul 2017 01:11:02 +0000
Local clock offset: 0.504 ms
Remote clock offset: -4.591 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:37:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.38 Mbit/s
95th percentile per-packet one-way delay: 39.831 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 65.38 Mbit/s
95th percentile per-packet one-way delay: 39.831 ms
Loss rate: 0.28%
```
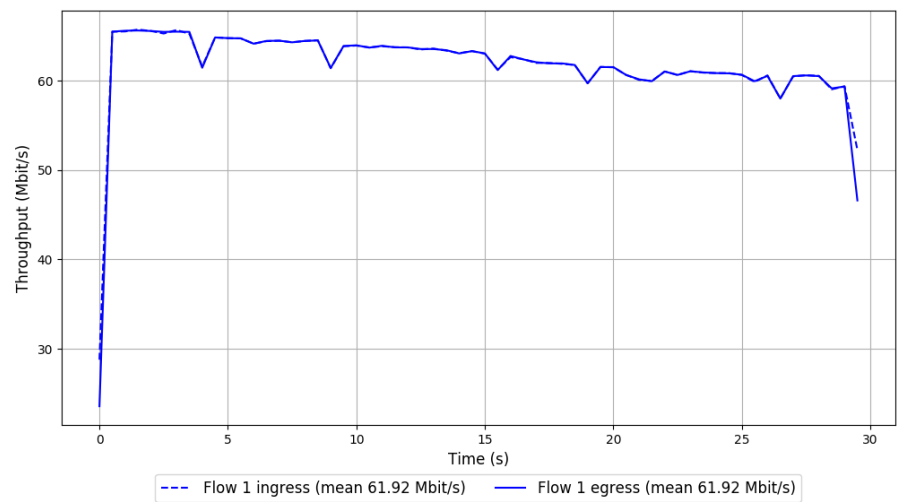
Run 5: Report of Copa — Data Link

```
Run 6: Statistics of Copa

Start at: Tue, 25 Jul 2017 01:30:44 +0000
End at: Tue, 25 Jul 2017 01:31:14 +0000
Local clock offset: 0.678 ms
Remote clock offset: -4.048 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:37:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.92 Mbit/s
95th percentile per-packet one-way delay: 39.886 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 61.92 Mbit/s
95th percentile per-packet one-way delay: 39.886 ms
Loss rate: 0.28%
```
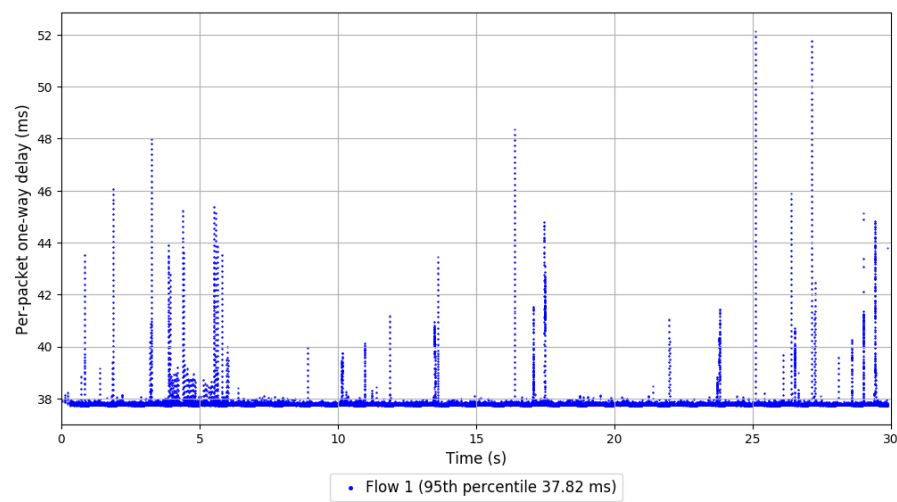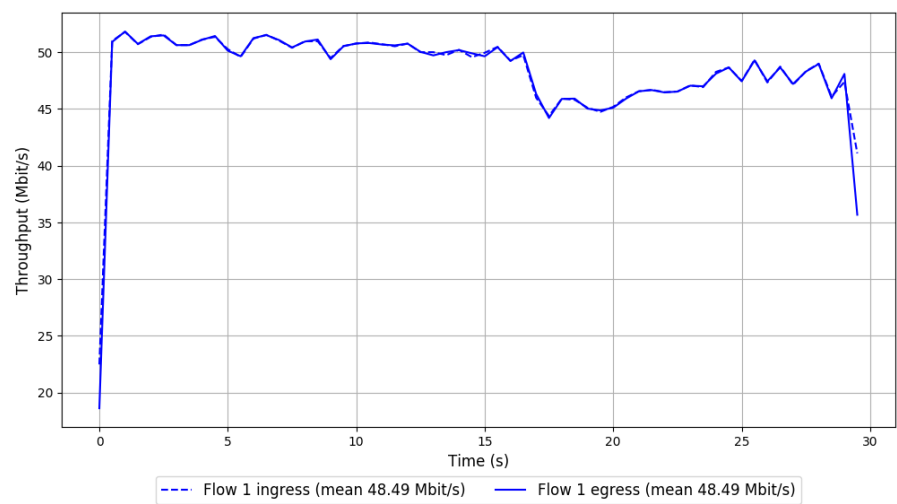
Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 61.92 Mbit/s)   Flow 1 egress (mean 61.92 Mbit/s)

Flow 1 (95th percentile 39.89 ms)

```
Run 7: Statistics of Copa

Start at: Tue, 25 Jul 2017 01:51:18 +0000
End at: Tue, 25 Jul 2017 01:51:48 +0000
Local clock offset: 0.787 ms
Remote clock offset: -1.594 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:37:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 37.817 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 48.49 Mbit/s
95th percentile per-packet one-way delay: 37.817 ms
Loss rate: 0.30%
```
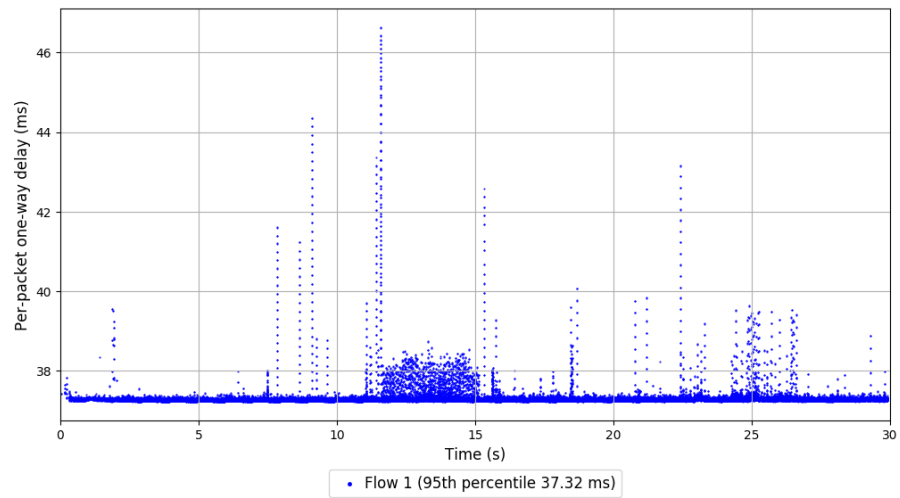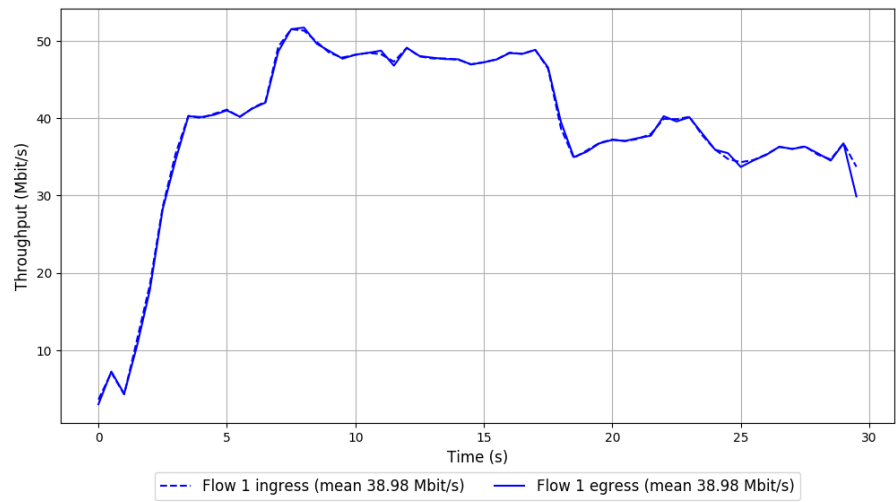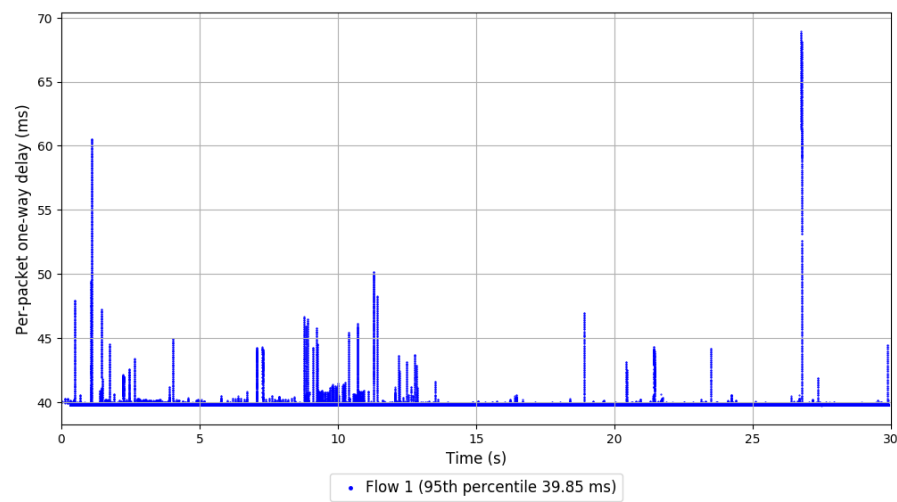
Run 7: Report of Copa — Data Link

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

Flow 1 (95th percentile 37.82 ms)

57

```
Run 8: Statistics of Copa

Start at: Tue, 25 Jul 2017 02:11:48 +0000
End at: Tue, 25 Jul 2017 02:12:18 +0000
Local clock offset: 0.841 ms
Remote clock offset: -0.97 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:37:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 37.317 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 38.98 Mbit/s
95th percentile per-packet one-way delay: 37.317 ms
Loss rate: 0.28%
```
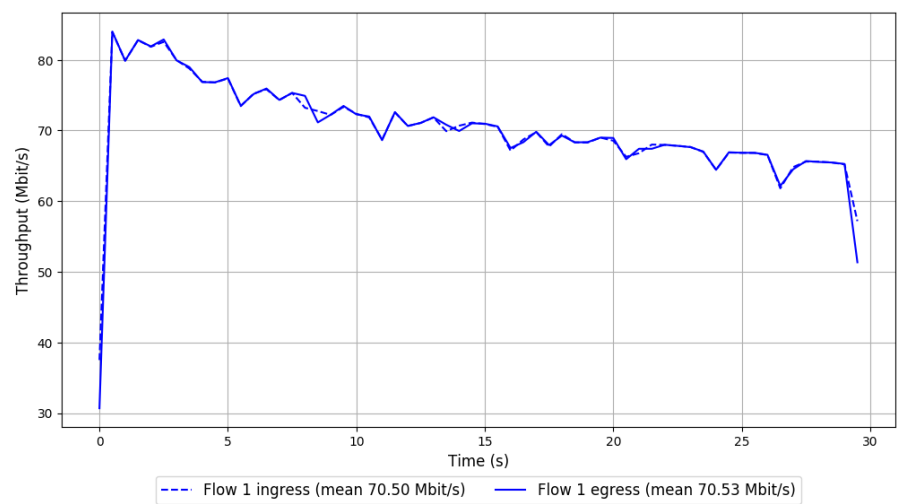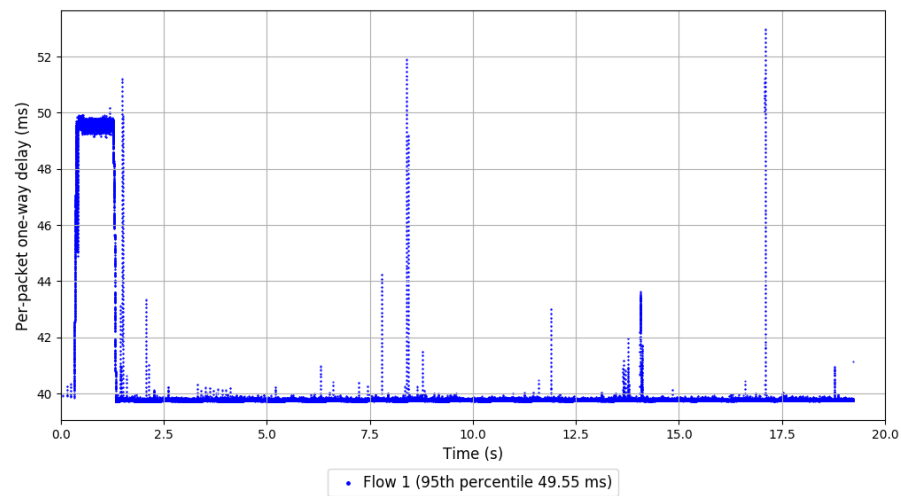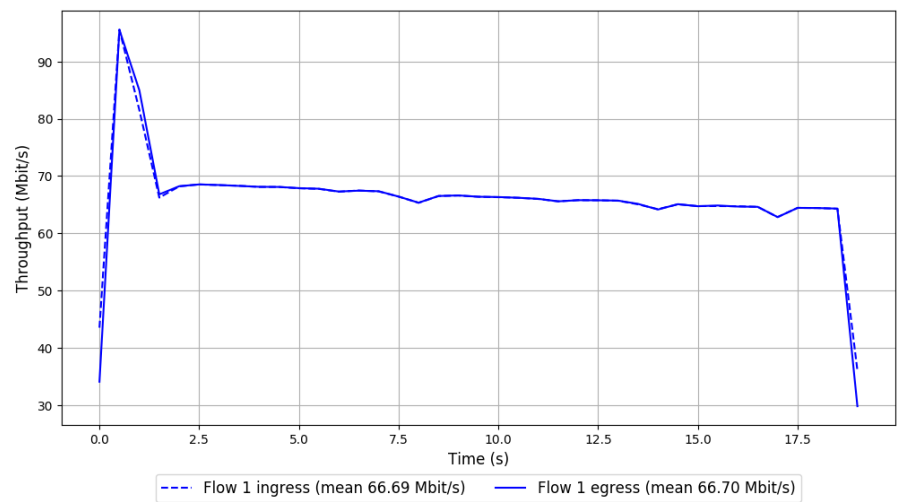
Run 8: Report of Copa — Data Link

Flow 1 ingress (mean 38.98 Mbit/s)   Flow 1 egress (mean 38.98 Mbit/s)

Flow 1 (95th percentile 37.32 ms)

59

```
Run 9: Statistics of Copa

Start at: Tue, 25 Jul 2017 02:32:10 +0000
End at: Tue, 25 Jul 2017 02:32:40 +0000
Local clock offset: 0.95 ms
Remote clock offset: -3.3 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:38:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.53 Mbit/s
95th percentile per-packet one-way delay: 39.848 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 70.53 Mbit/s
95th percentile per-packet one-way delay: 39.848 ms
Loss rate: 0.26%
```
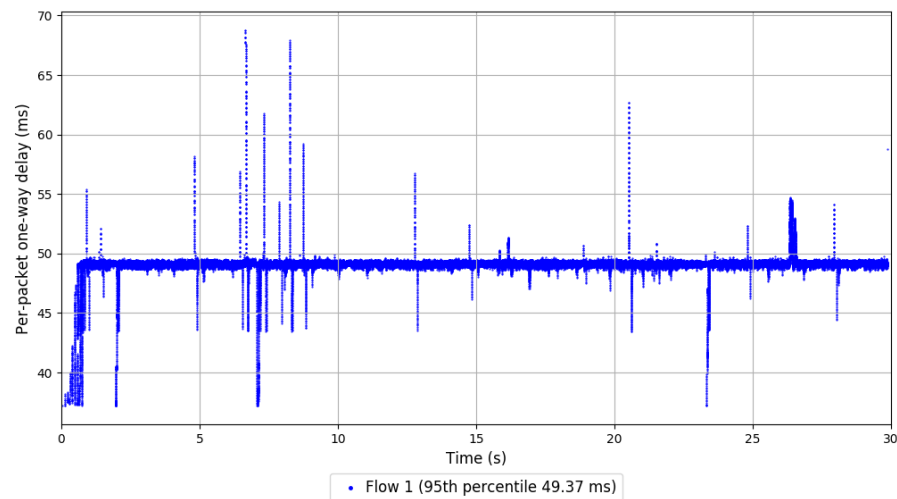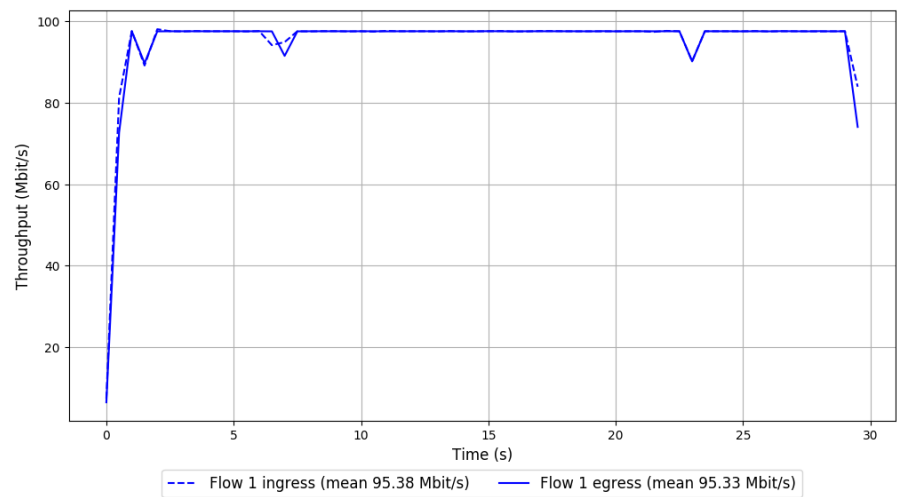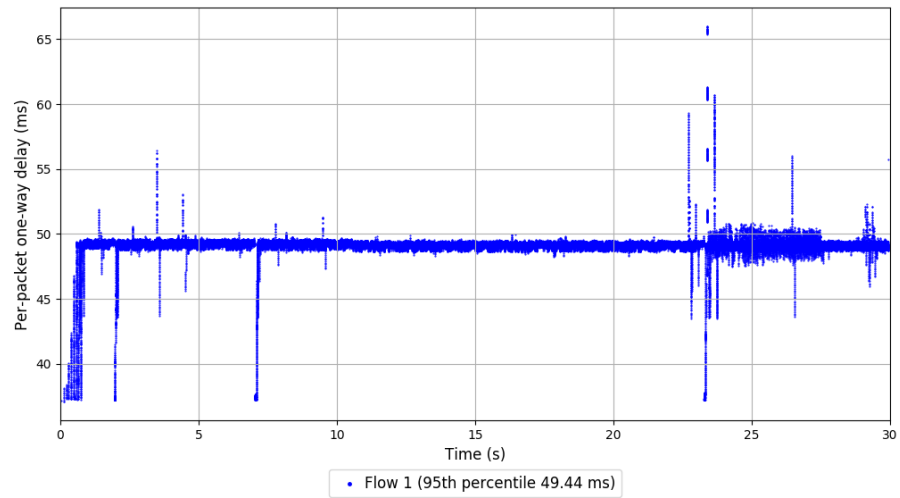
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 70.50 Mbit/s) ----- Flow 1 egress (mean 70.53 Mbit/s)

• Flow 1 (95th percentile 39.85 ms)

Run 10: Statistics of Copa

Start at: Tue, 25 Jul 2017 02:54:27 +0000
End at: Tue, 25 Jul 2017 02:54:57 +0000
Local clock offset: 0.873 ms
Remote clock offset: -3.15 ms

Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 66.69 Mbit/s)　　　Flow 1 egress (mean 66.70 Mbit/s)

• Flow 1 (95th percentile 49.55 ms)

```
Run 1: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 23:43:05 +0000
End at: Mon, 24 Jul 2017 23:43:35 +0000
Local clock offset: 0.237 ms
Remote clock offset: -2.531 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:38:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 49.367 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 49.367 ms
Loss rate: 0.34%
```
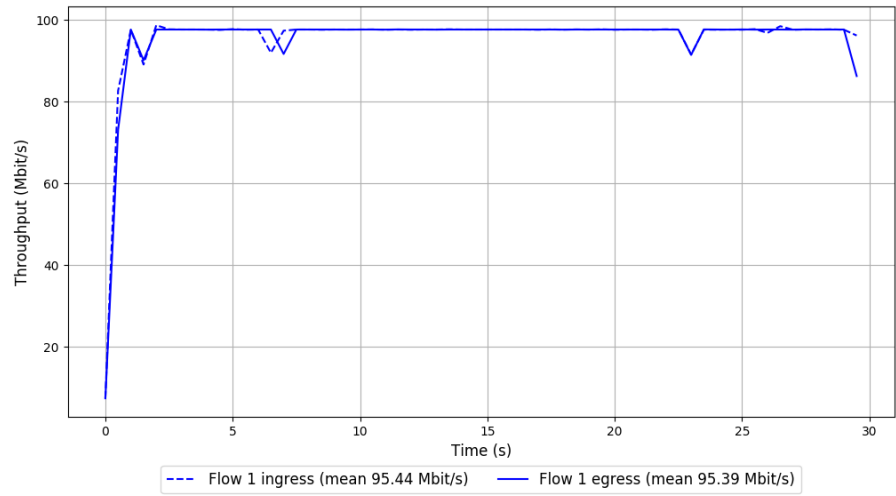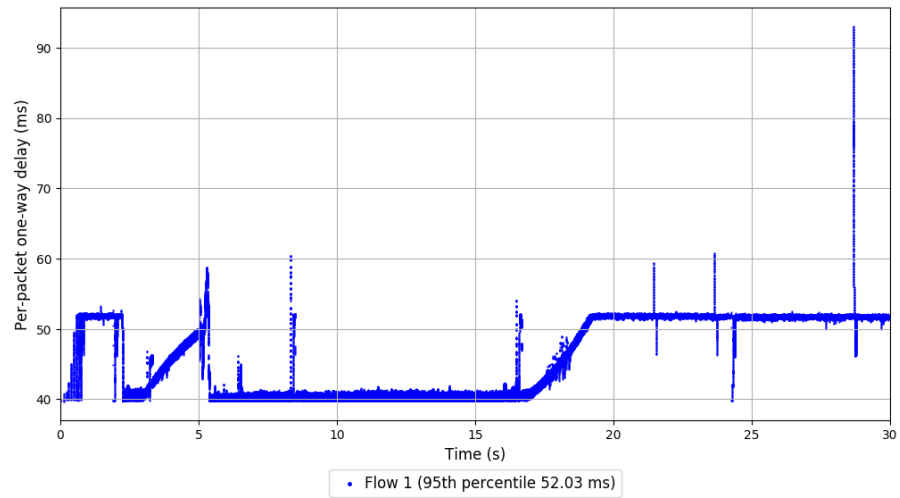
Run 1: Report of TCP Cubic — Data Link

```
Run 2: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 00:03:37 +0000
End at: Tue, 25 Jul 2017 00:04:07 +0000
Local clock offset: 0.076 ms
Remote clock offset: -2.357 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:38:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 49.438 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 49.438 ms
Loss rate: 0.34%
```
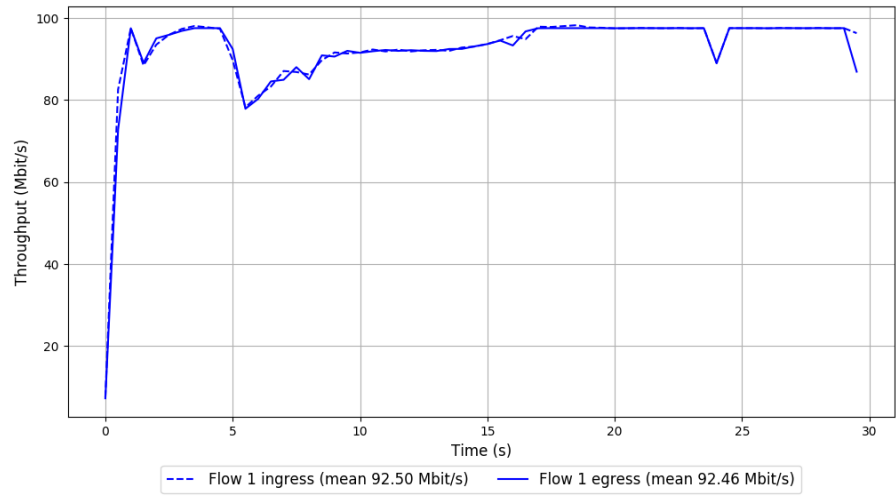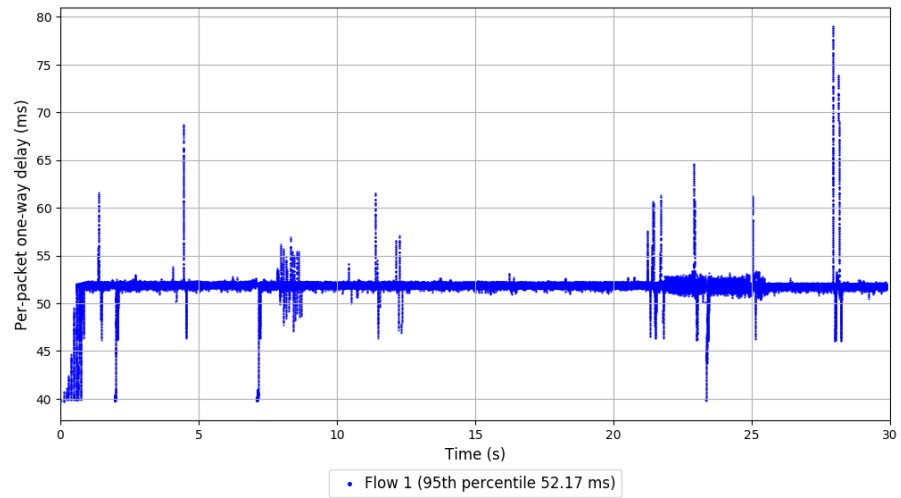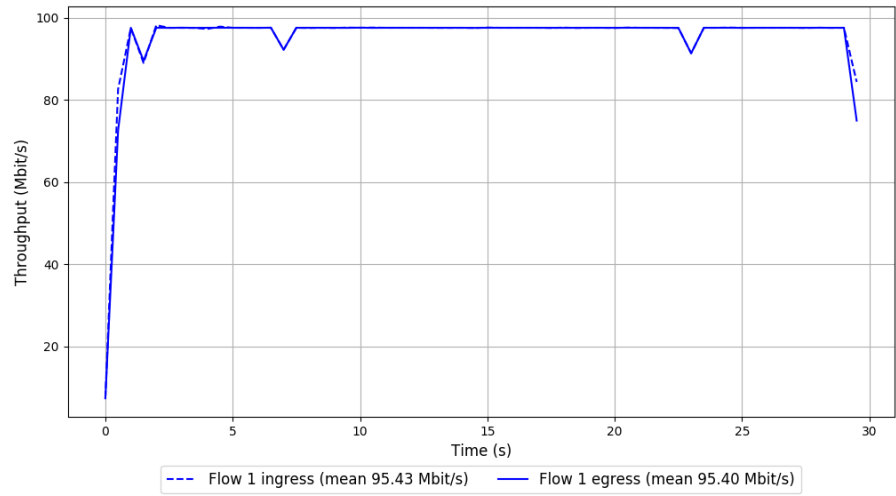
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 95.44 Mbit/s)   —— Flow 1 egress (mean 95.39 Mbit/s)

• Flow 1 (95th percentile 49.44 ms)

```
Run 3: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 00:24:23 +0000
End at: Tue, 25 Jul 2017 00:24:53 +0000
Local clock offset: 0.264 ms
Remote clock offset: -4.885 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:38:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 52.030 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 52.030 ms
Loss rate: 0.36%
```
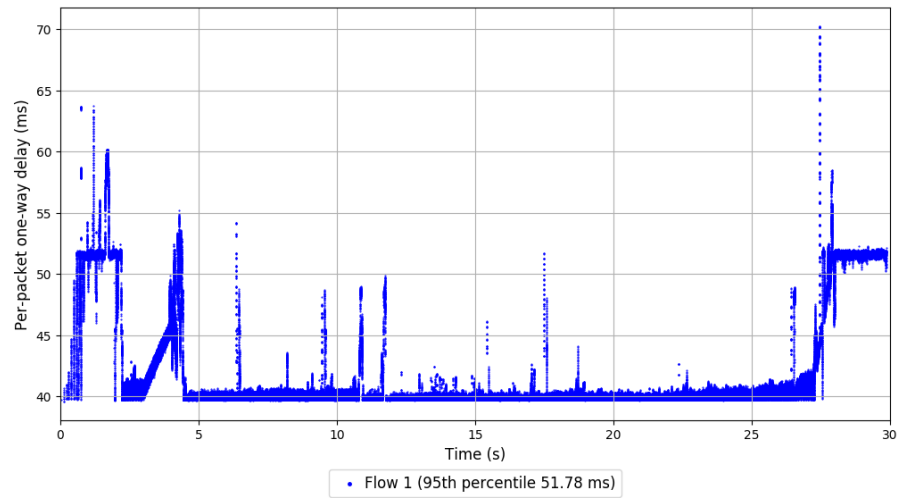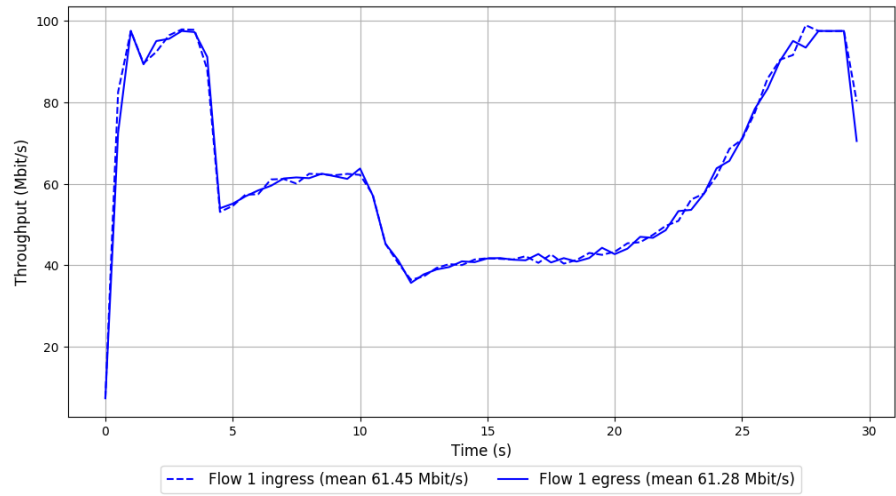
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 92.50 Mbit/s)   Flow 1 egress (mean 92.46 Mbit/s)

Flow 1 (95th percentile 52.03 ms)

```
Run 4: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 00:47:38 +0000
End at: Tue, 25 Jul 2017 00:48:08 +0000
Local clock offset: 0.336 ms
Remote clock offset: -4.88 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:38:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 52.168 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 95.40 Mbit/s
95th percentile per-packet one-way delay: 52.168 ms
Loss rate: 0.34%
```
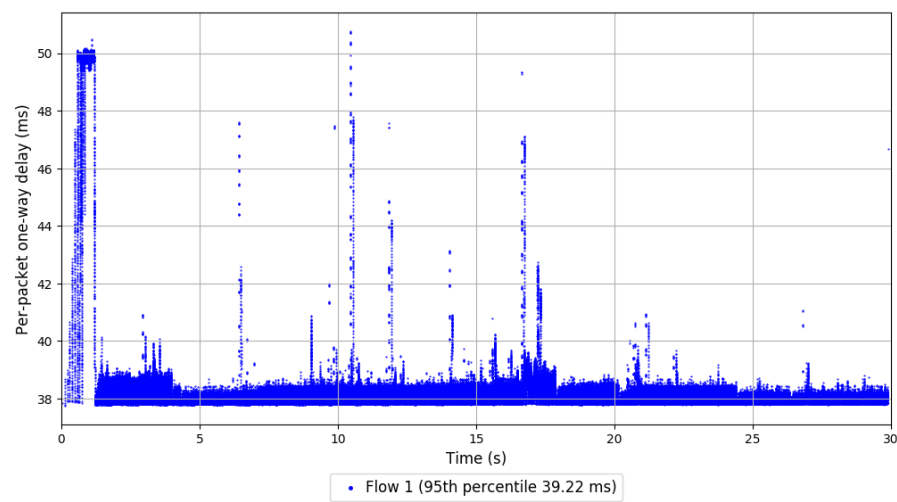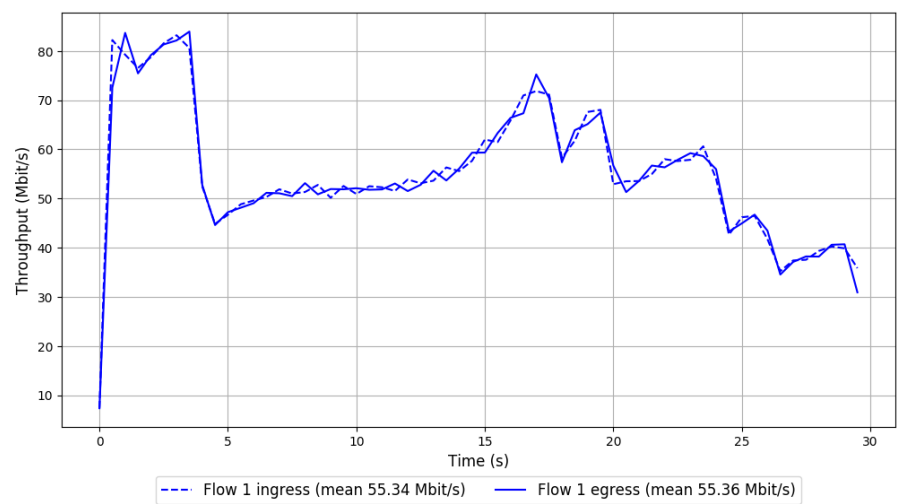
Run 4: Report of TCP Cubic — Data Link

```
Run 5: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 01:09:09 +0000
End at: Tue, 25 Jul 2017 01:09:39 +0000
Local clock offset: 0.507 ms
Remote clock offset: -4.596 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:38:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 51.777 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 61.28 Mbit/s
95th percentile per-packet one-way delay: 51.777 ms
Loss rate: 0.59%
```
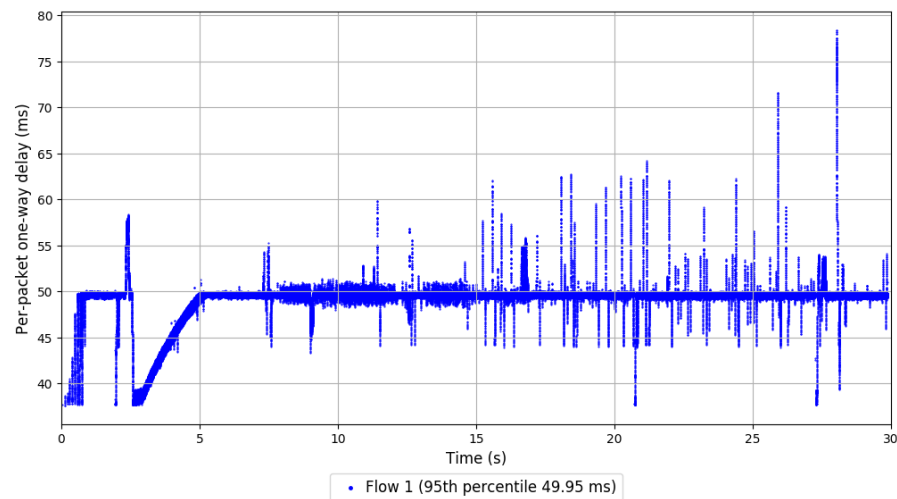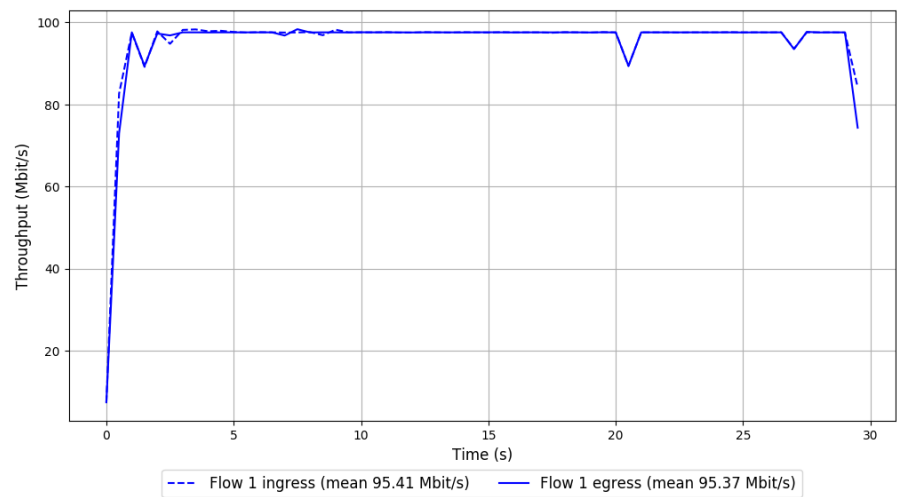
Run 5: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 61.45 Mbit/s)   Flow 1 egress (mean 61.28 Mbit/s)

Flow 1 (95th percentile 51.78 ms)

```
Run 6: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 01:29:23 +0000
End at: Tue, 25 Jul 2017 01:29:53 +0000
Local clock offset: 0.671 ms
Remote clock offset: -2.033 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:38:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 39.224 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 55.36 Mbit/s
95th percentile per-packet one-way delay: 39.224 ms
Loss rate: 0.22%
```
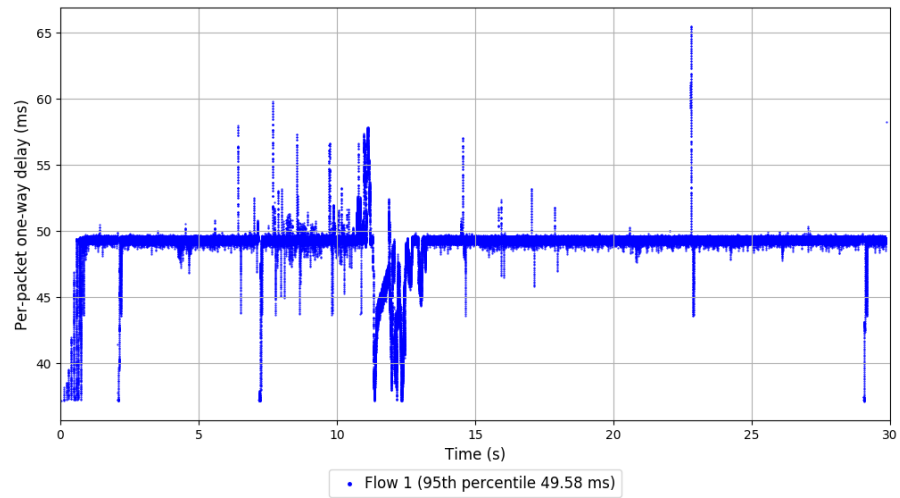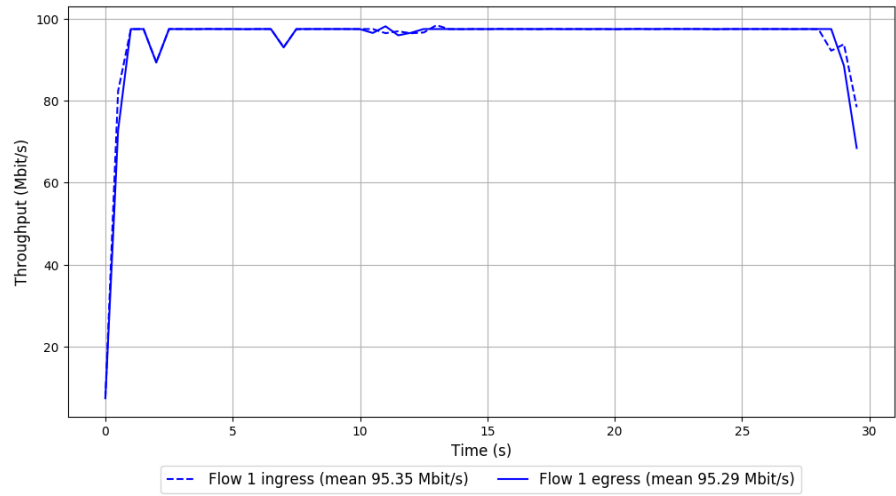
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 55.34 Mbit/s) --- Flow 1 egress (mean 55.36 Mbit/s)

Flow 1 (95th percentile 39.22 ms)

```
Run 7: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 01:49:52 +0000
End at: Tue, 25 Jul 2017 01:50:22 +0000
Local clock offset: 0.742 ms
Remote clock offset: -1.6 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:38:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 49.946 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 49.946 ms
Loss rate: 0.35%
```
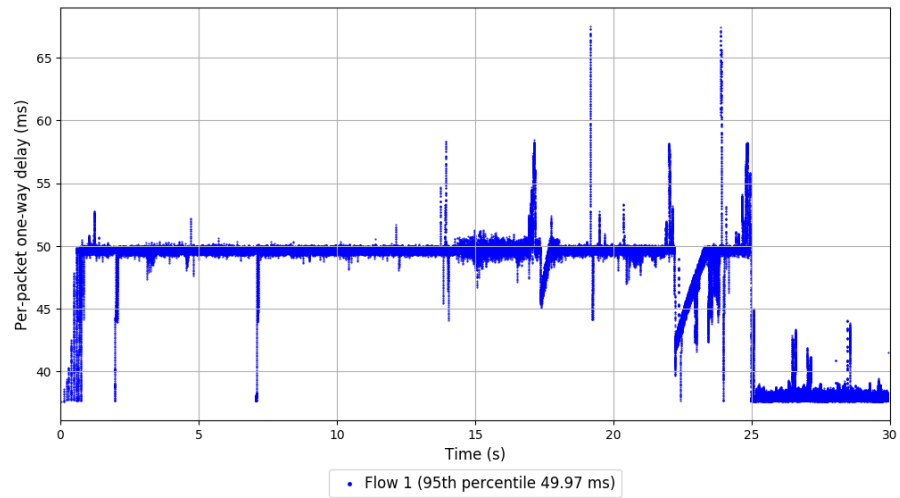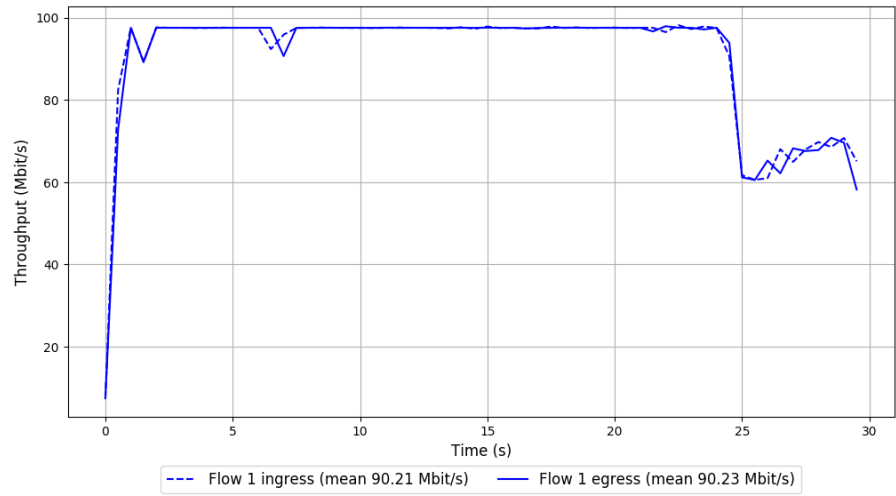
Run 7: Report of TCP Cubic — Data Link

```
Run 8: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 02:10:24 +0000
End at: Tue, 25 Jul 2017 02:10:54 +0000
Local clock offset: 0.807 ms
Remote clock offset: -1.038 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:38:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 49.580 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 49.580 ms
Loss rate: 0.35%
```
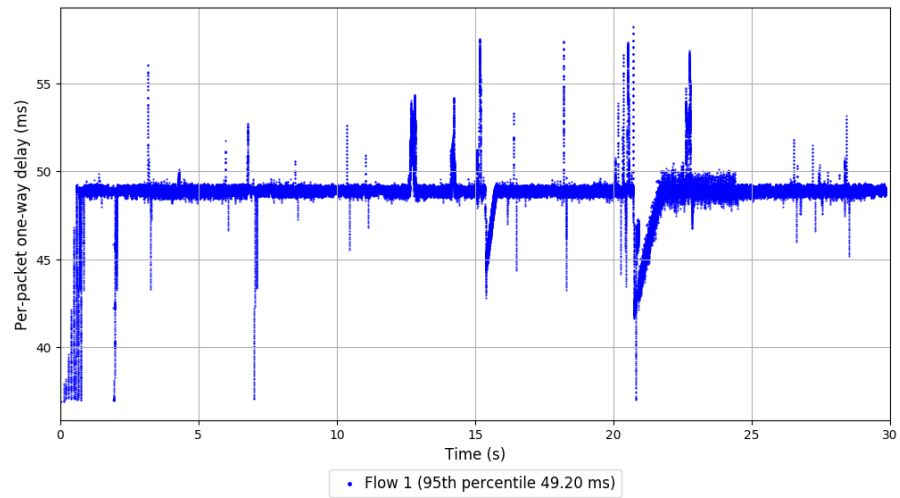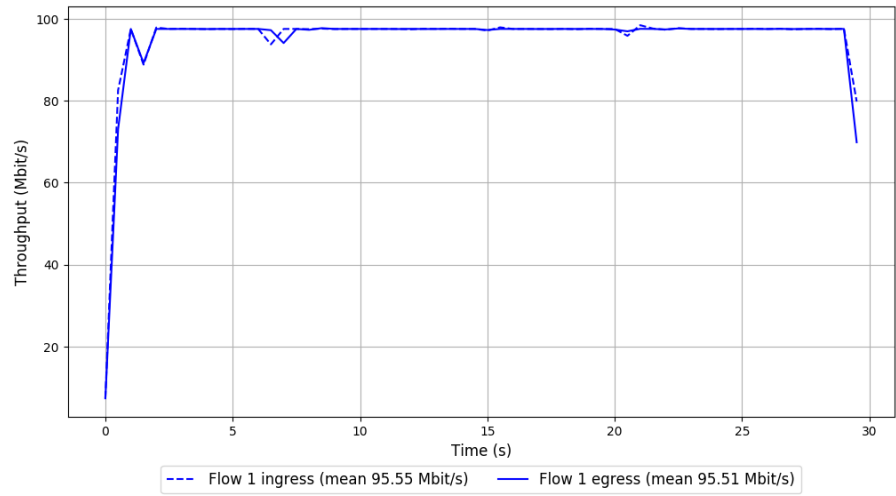
Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 95.35 Mbit/s)   Flow 1 egress (mean 95.29 Mbit/s)

• Flow 1 (95th percentile 49.58 ms)

79

```
Run 9: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 02:30:46 +0000
End at: Tue, 25 Jul 2017 02:31:16 +0000
Local clock offset: 0.918 ms
Remote clock offset: -1.246 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:38:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: 49.973 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 90.23 Mbit/s
95th percentile per-packet one-way delay: 49.973 ms
Loss rate: 0.26%
```
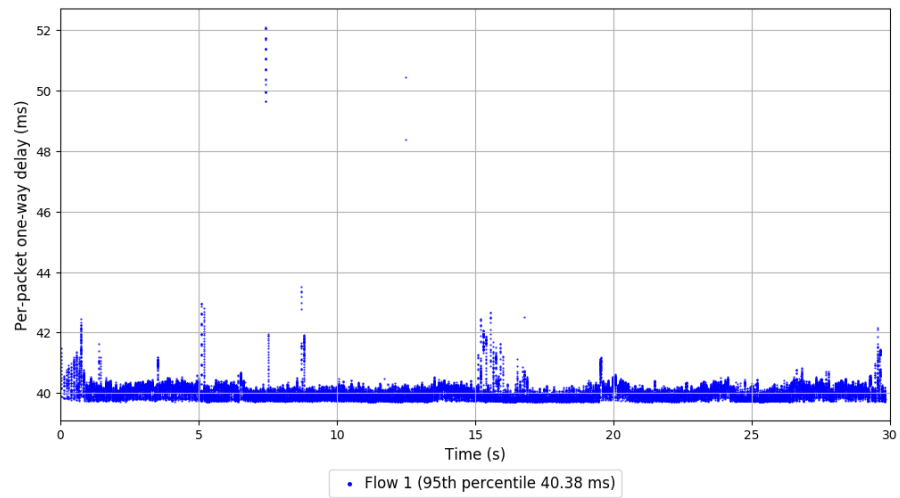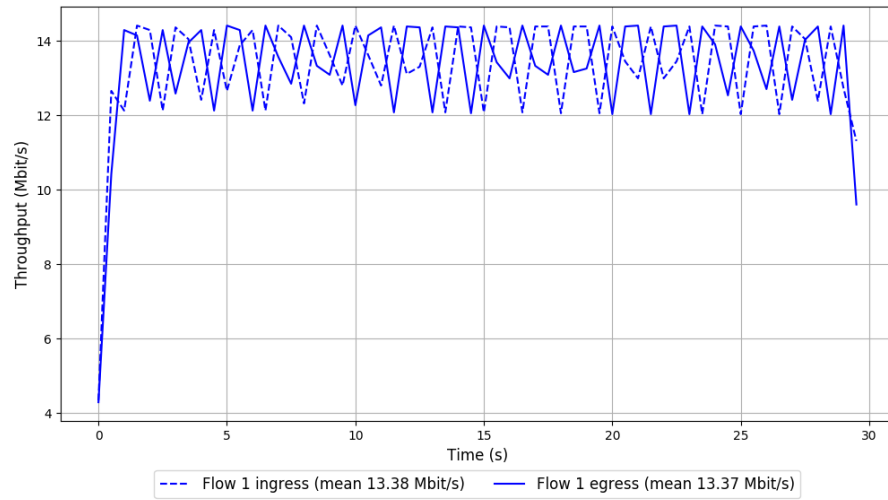
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 90.21 Mbit/s)   Flow 1 egress (mean 90.23 Mbit/s)

Flow 1 (95th percentile 49.97 ms)

```
Run 10: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 02:52:39 +0000
End at: Tue, 25 Jul 2017 02:53:09 +0000
Local clock offset: 0.798 ms
Remote clock offset: -0.579 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 49.203 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 95.51 Mbit/s
95th percentile per-packet one-way delay: 49.203 ms
Loss rate: 0.35%
```
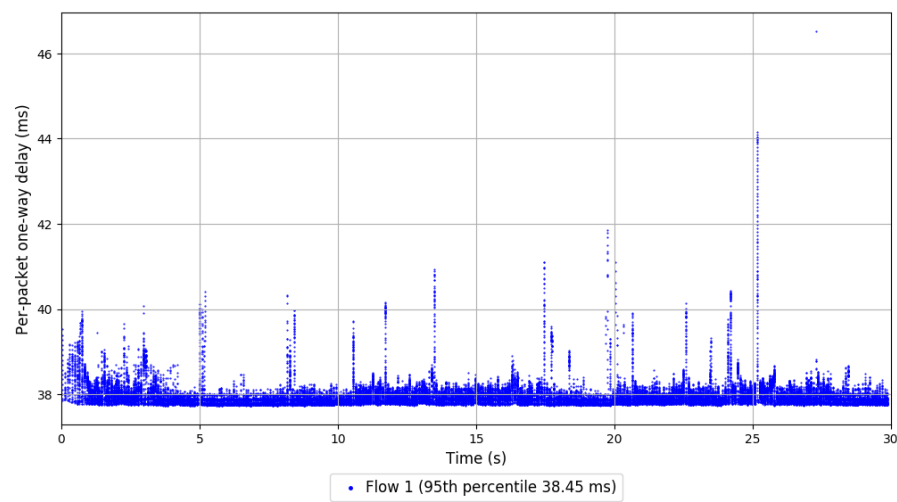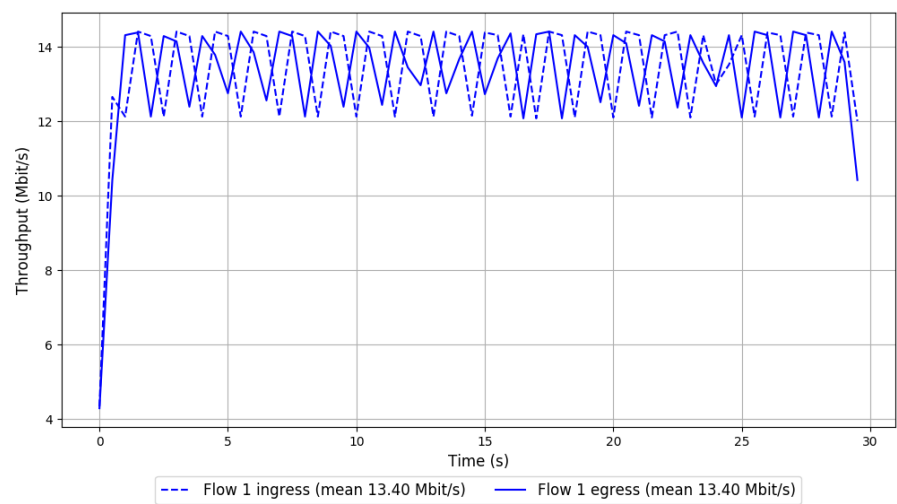
Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 23:36:15 +0000
End at: Mon, 24 Jul 2017 23:36:45 +0000
Local clock offset: 0.124 ms
Remote clock offset: -5.106 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 40.384 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 40.384 ms
Loss rate: 0.30%
```
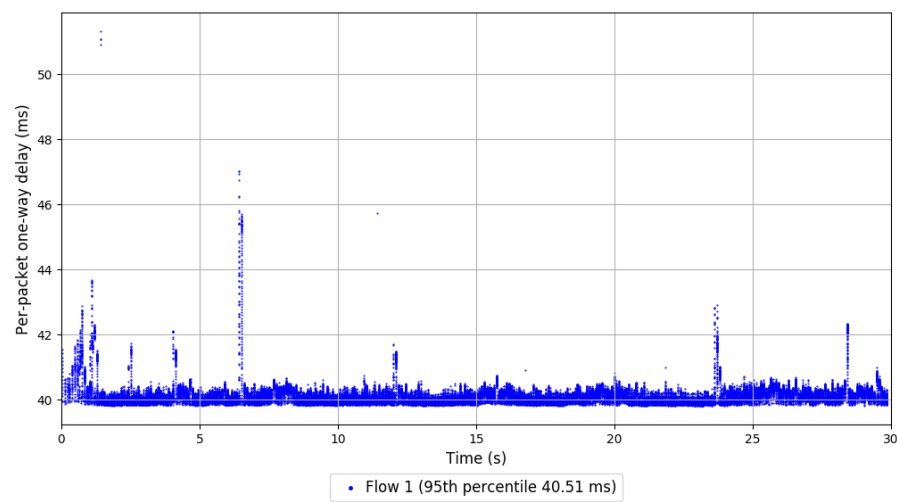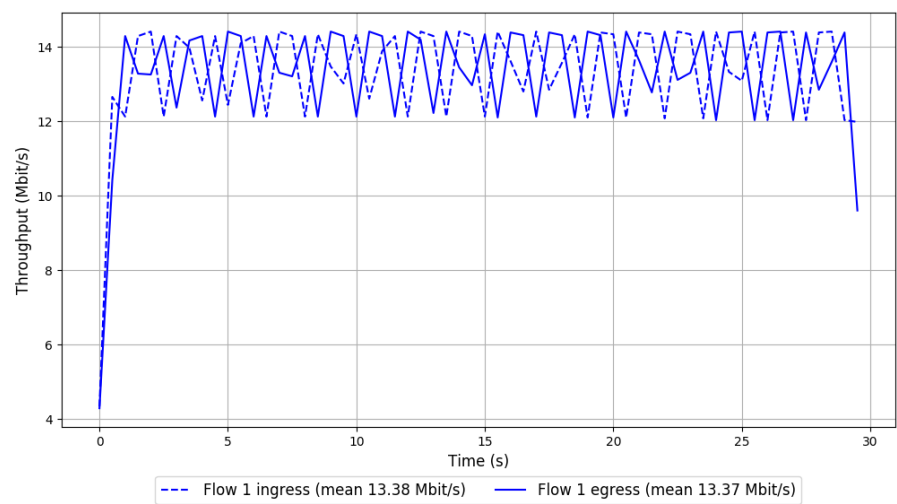
Run 1: Report of KohoCC — Data Link

Flow 1 ingress (mean 13.38 Mbit/s)   Flow 1 egress (mean 13.37 Mbit/s)

Flow 1 (95th percentile 40.38 ms)

```
Run 2: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 23:56:59 +0000
End at: Mon, 24 Jul 2017 23:57:29 +0000
Local clock offset: 0.178 ms
Remote clock offset: -2.949 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 38.446 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 38.446 ms
Loss rate: 0.30%
```
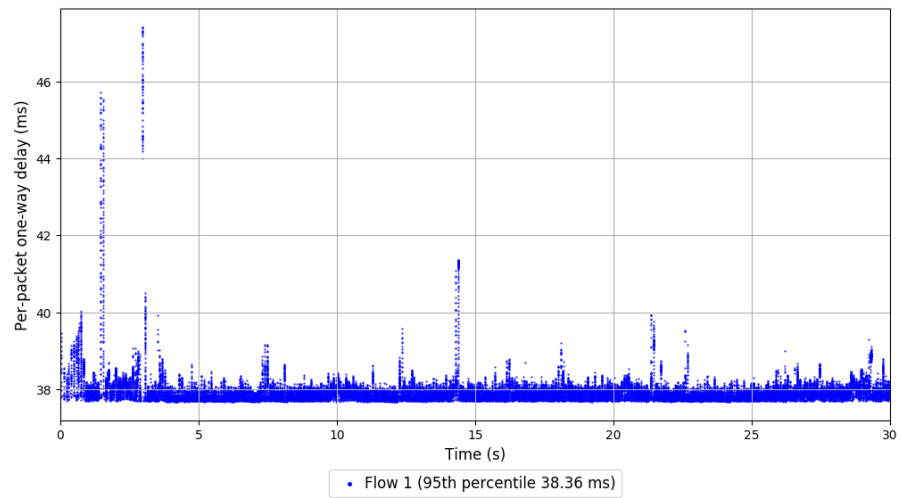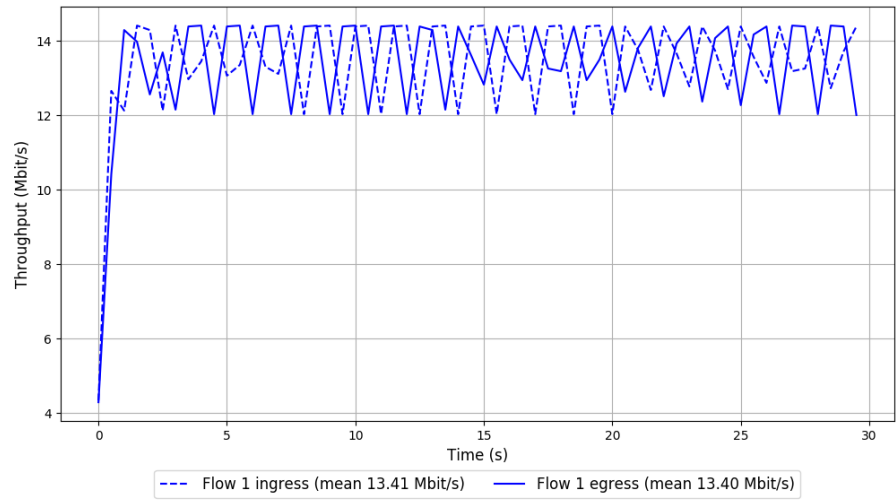
Run 2: Report of KohoCC — Data Link

```
Run 3: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 00:17:18 +0000
End at: Tue, 25 Jul 2017 00:17:48 +0000
Local clock offset: 0.213 ms
Remote clock offset: -4.833 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 40.505 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 40.505 ms
Loss rate: 0.30%
```
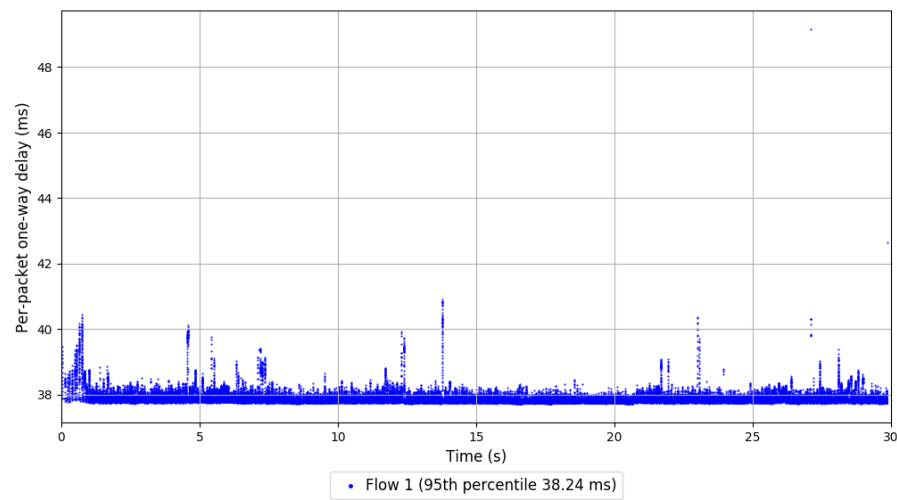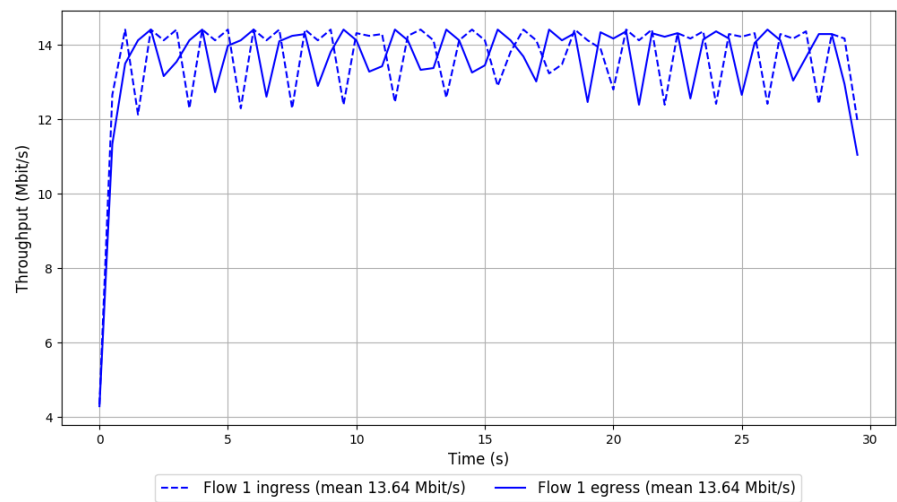
Run 3: Report of KohoCC — Data Link

Flow 1 ingress (mean 13.38 Mbit/s)   Flow 1 egress (mean 13.37 Mbit/s)

Flow 1 (95th percentile 40.51 ms)

```
Run 4: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 00:40:26 +0000
End at: Tue, 25 Jul 2017 00:40:56 +0000
Local clock offset: 0.336 ms
Remote clock offset: -2.728 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 38.361 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 13.40 Mbit/s
95th percentile per-packet one-way delay: 38.361 ms
Loss rate: 0.37%
```
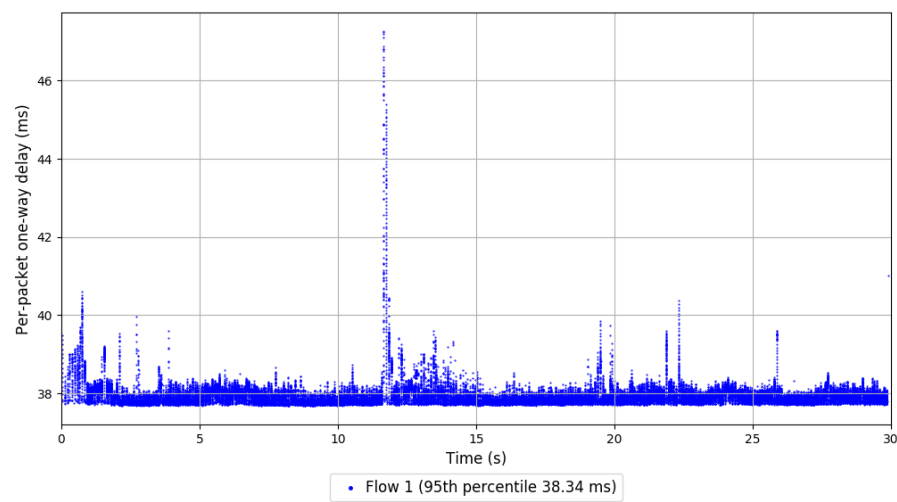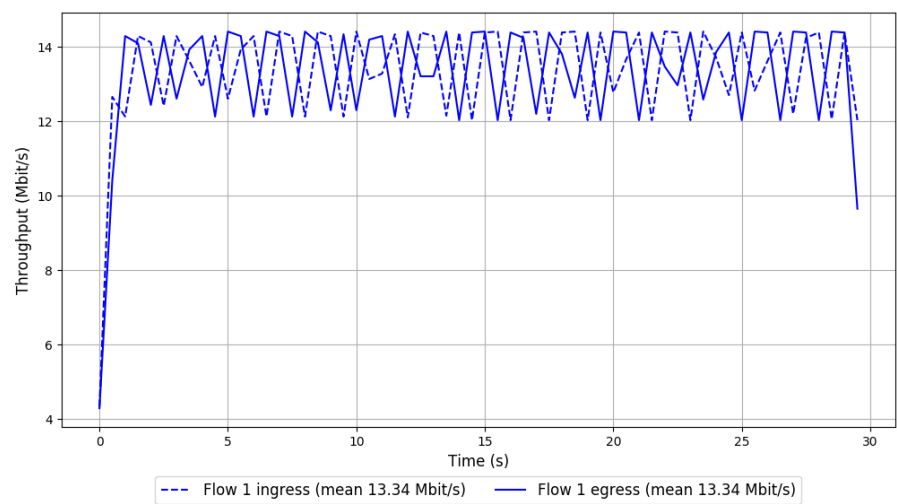
Run 4: Report of KohoCC — Data Link

Flow 1 ingress (mean 13.41 Mbit/s)   Flow 1 egress (mean 13.40 Mbit/s)

Flow 1 (95th percentile 38.36 ms)

```
Run 5: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 01:02:05 +0000
End at: Tue, 25 Jul 2017 01:02:35 +0000
Local clock offset: 0.429 ms
Remote clock offset: -2.618 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 38.245 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 13.64 Mbit/s
95th percentile per-packet one-way delay: 38.245 ms
Loss rate: 0.29%
```
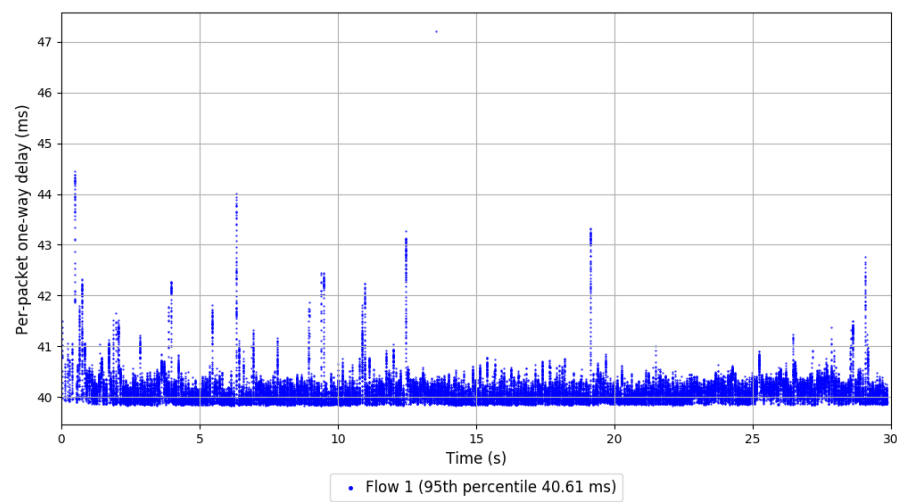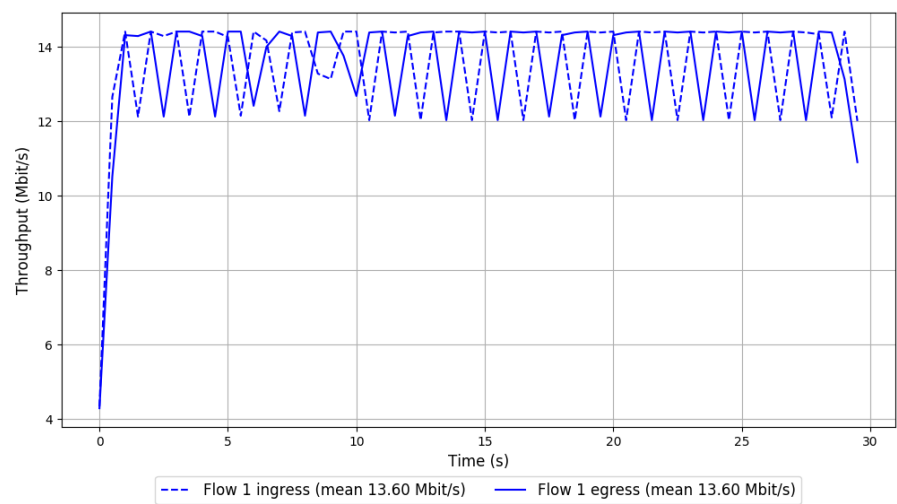
Run 5: Report of KohoCC — Data Link

```
Run 6: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 01:22:48 +0000
End at: Tue, 25 Jul 2017 01:23:18 +0000
Local clock offset: 0.569 ms
Remote clock offset: -2.257 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 38.341 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 13.34 Mbit/s
95th percentile per-packet one-way delay: 38.341 ms
Loss rate: 0.30%
```
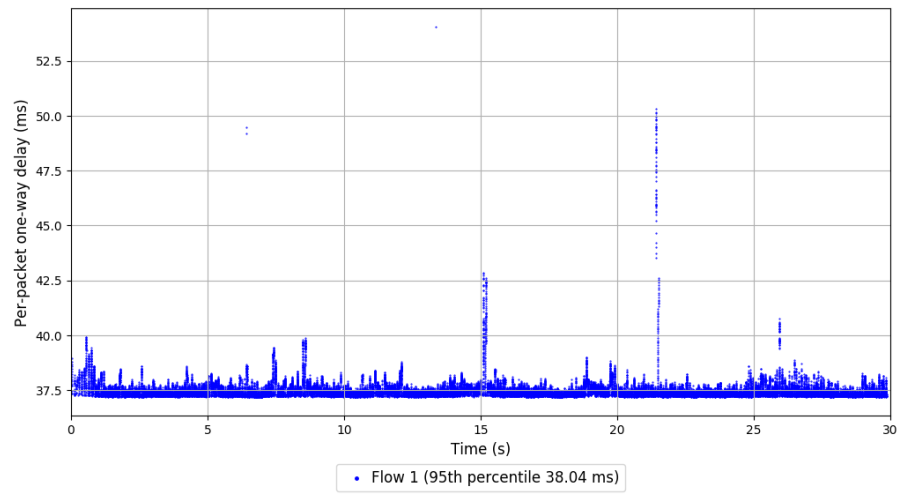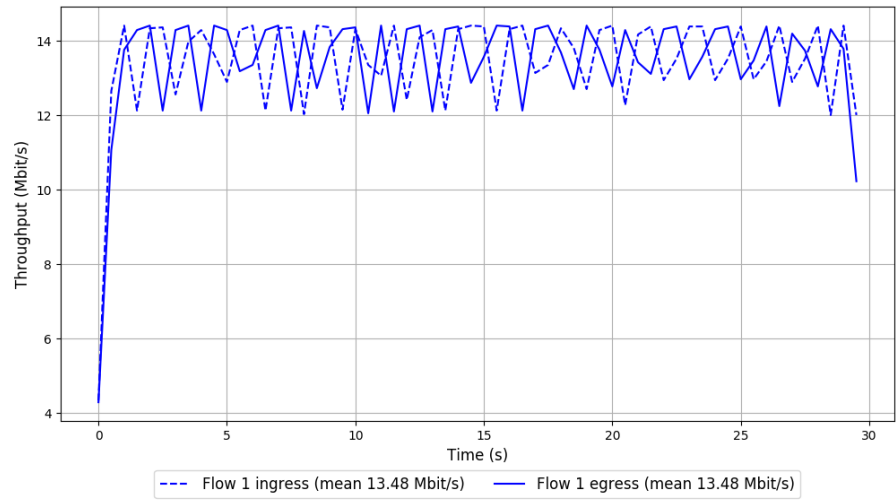
Run 6: Report of KohoCC — Data Link

Flow 1 ingress (mean 13.34 Mbit/s)   Flow 1 egress (mean 13.34 Mbit/s)

Flow 1 (95th percentile 38.34 ms)

```
Run 7: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 01:43:11 +0000
End at: Tue, 25 Jul 2017 01:43:41 +0000
Local clock offset: 0.719 ms
Remote clock offset: -3.822 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 40.614 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 13.60 Mbit/s
95th percentile per-packet one-way delay: 40.614 ms
Loss rate: 0.29%
```
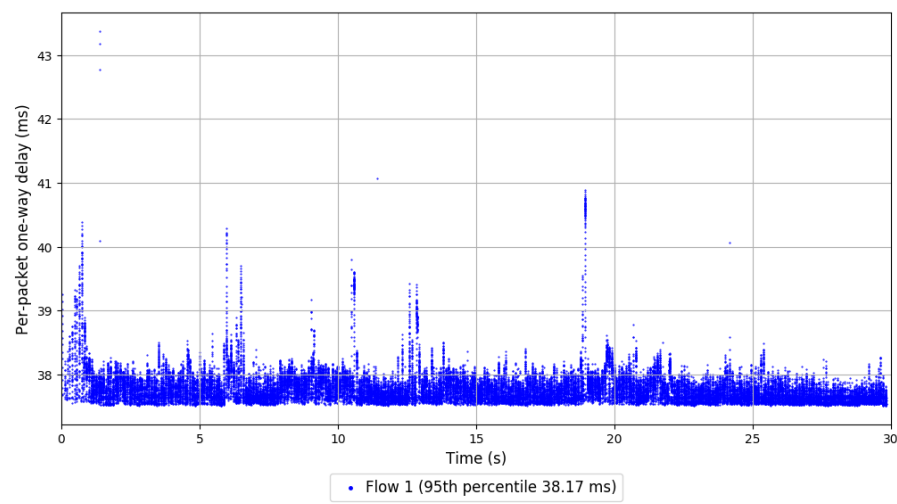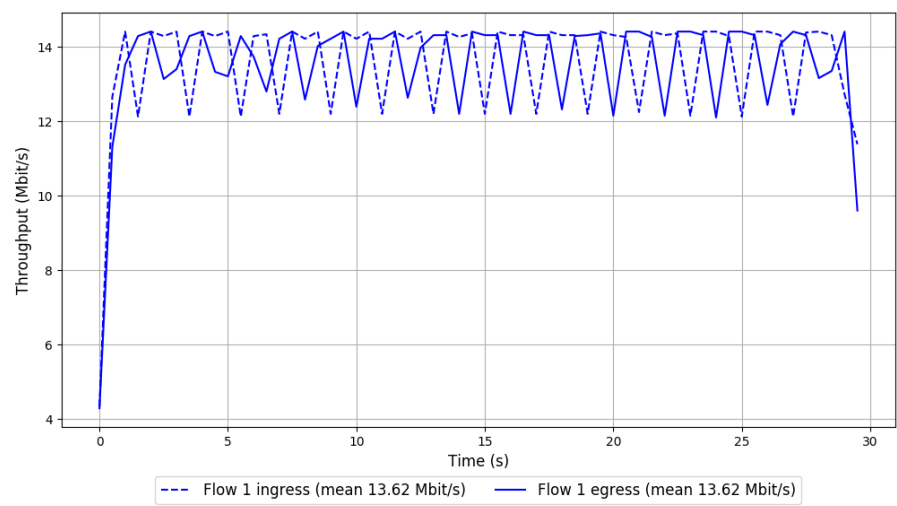
Run 7: Report of KohoCC — Data Link

Flow 1 ingress (mean 13.60 Mbit/s) --- Flow 1 egress (mean 13.60 Mbit/s)

Flow 1 (95th percentile 40.61 ms)

```
Run 8: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 02:03:35 +0000
End at: Tue, 25 Jul 2017 02:04:05 +0000
Local clock offset: 0.841 ms
Remote clock offset: -0.957 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 38.042 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 13.48 Mbit/s
95th percentile per-packet one-way delay: 38.042 ms
Loss rate: 0.30%
```
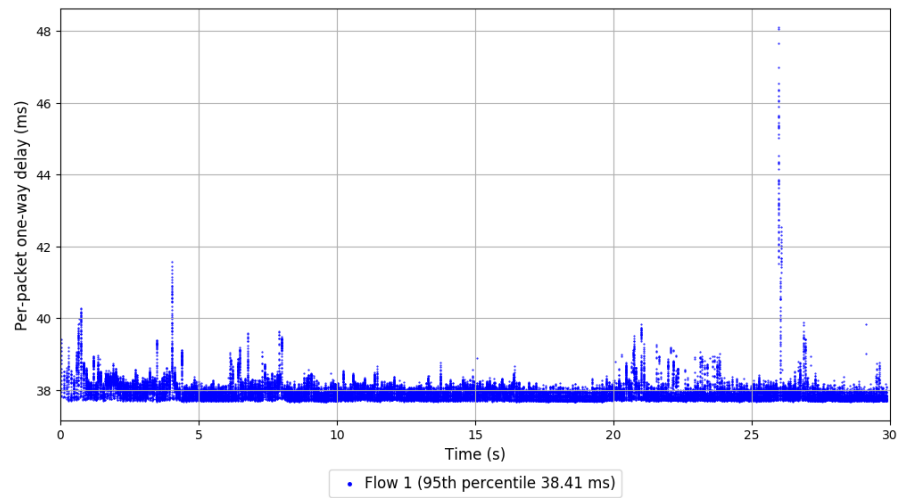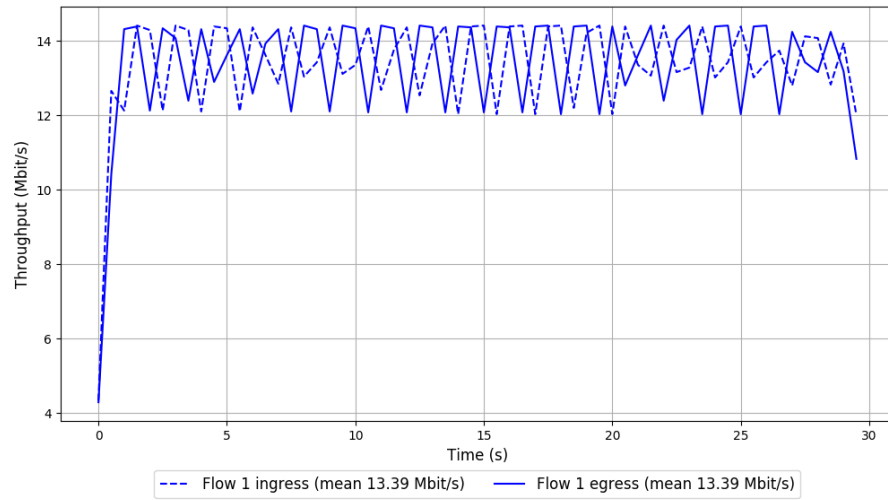
Run 8: Report of KohoCC — Data Link

Flow 1 ingress (mean 13.48 Mbit/s) --- Flow 1 egress (mean 13.48 Mbit/s)

Flow 1 (95th percentile 38.04 ms)

```
Run 9: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 02:24:07 +0000
End at: Tue, 25 Jul 2017 02:24:37 +0000
Local clock offset: 0.836 ms
Remote clock offset: -1.211 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.62 Mbit/s
95th percentile per-packet one-way delay: 38.173 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 13.62 Mbit/s
95th percentile per-packet one-way delay: 38.173 ms
Loss rate: 0.29%
```
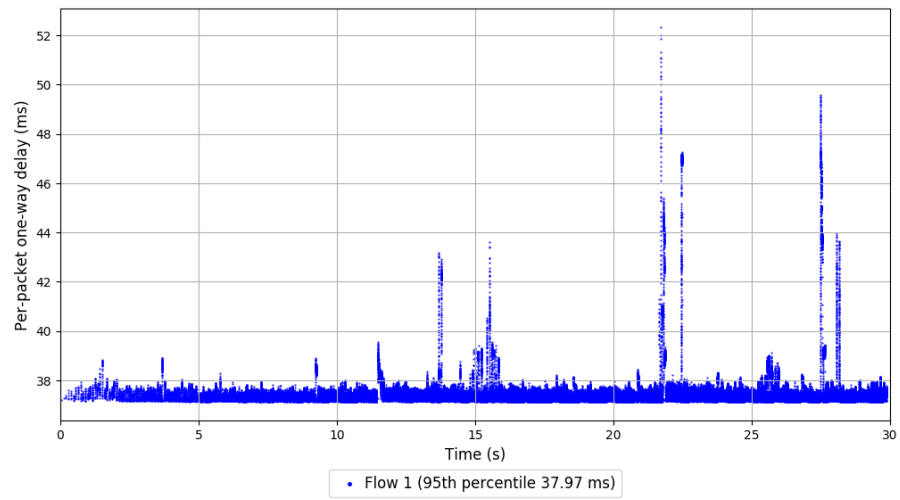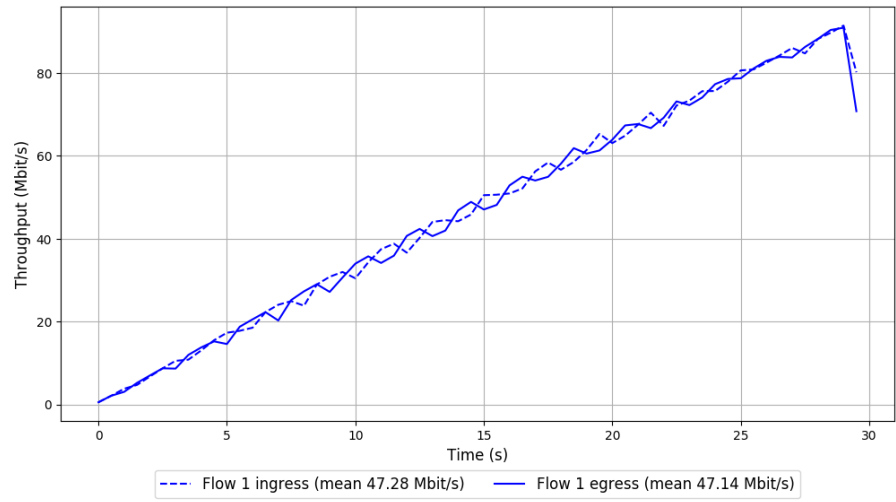
Run 9: Report of KohoCC — Data Link

Flow 1 ingress (mean 13.62 Mbit/s) --- Flow 1 egress (mean 13.62 Mbit/s)

Flow 1 (95th percentile 38.17 ms)

```
Run 10: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 02:44:40 +0000
End at: Tue, 25 Jul 2017 02:45:10 +0000
Local clock offset: 0.906 ms
Remote clock offset: -1.242 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: 38.414 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 13.39 Mbit/s
95th percentile per-packet one-way delay: 38.414 ms
Loss rate: 0.30%
```
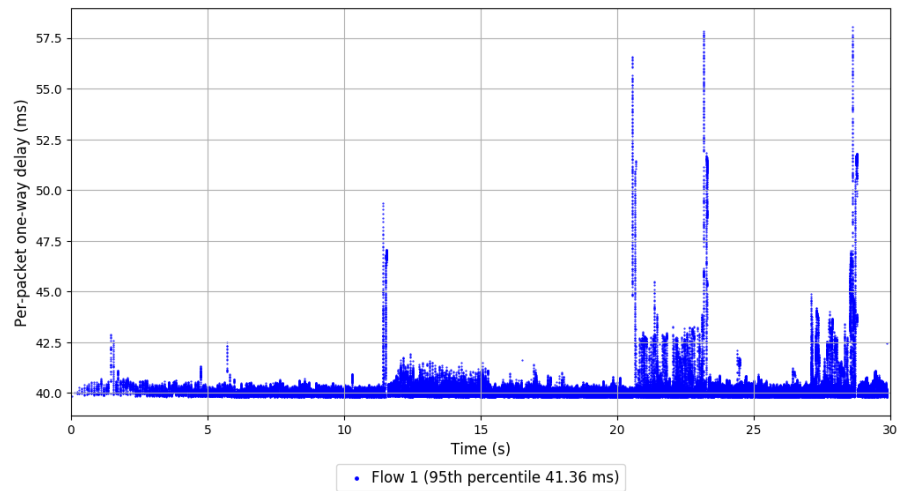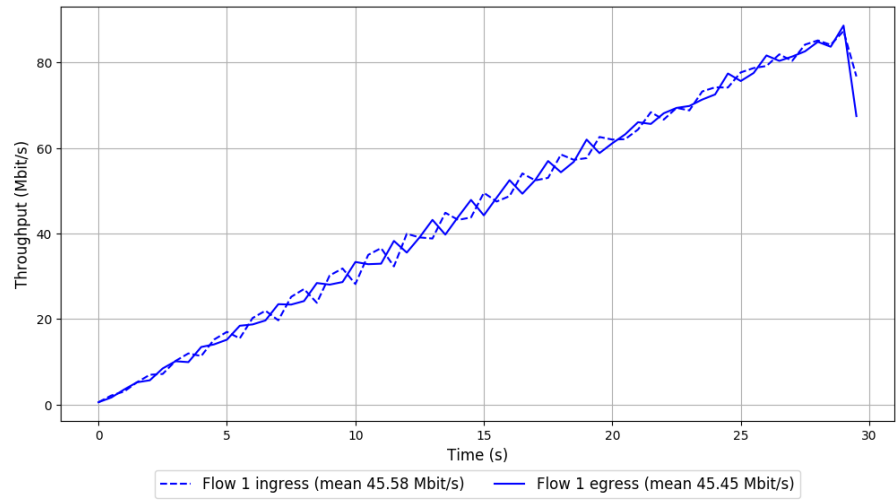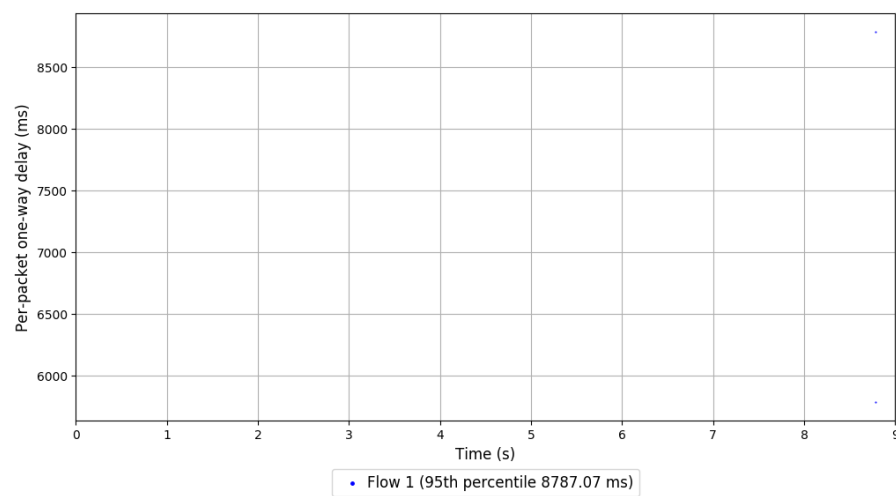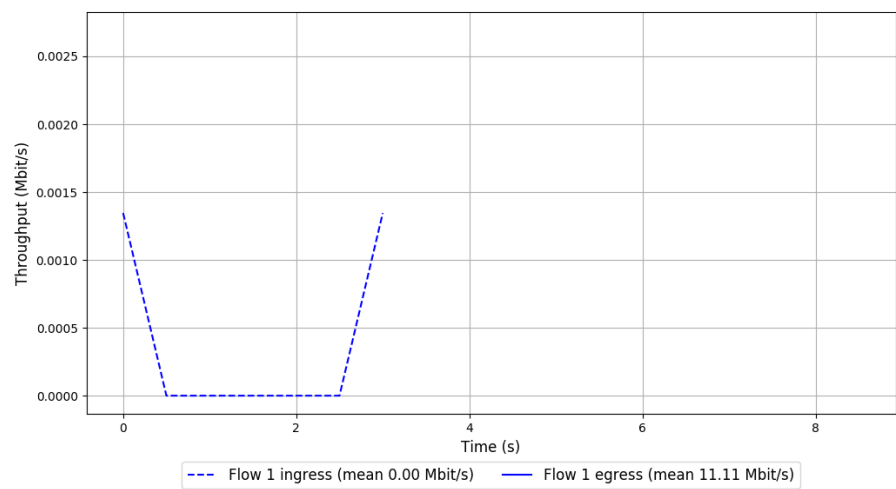
Run 10: Report of KohoCC — Data Link

```
Run 1: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 23:47:29 +0000
End at: Mon, 24 Jul 2017 23:47:59 +0000
Local clock offset: 0.192 ms
Remote clock offset: -2.532 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 37.972 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 47.14 Mbit/s
95th percentile per-packet one-way delay: 37.972 ms
Loss rate: 0.57%
```
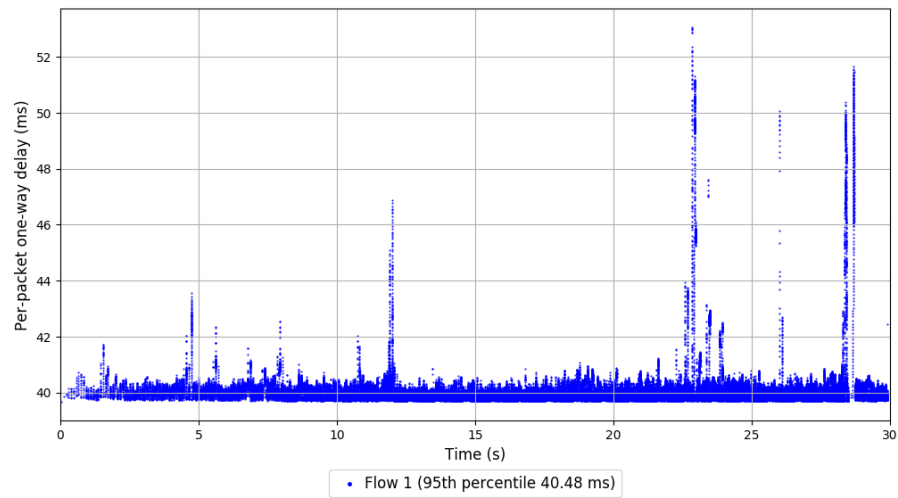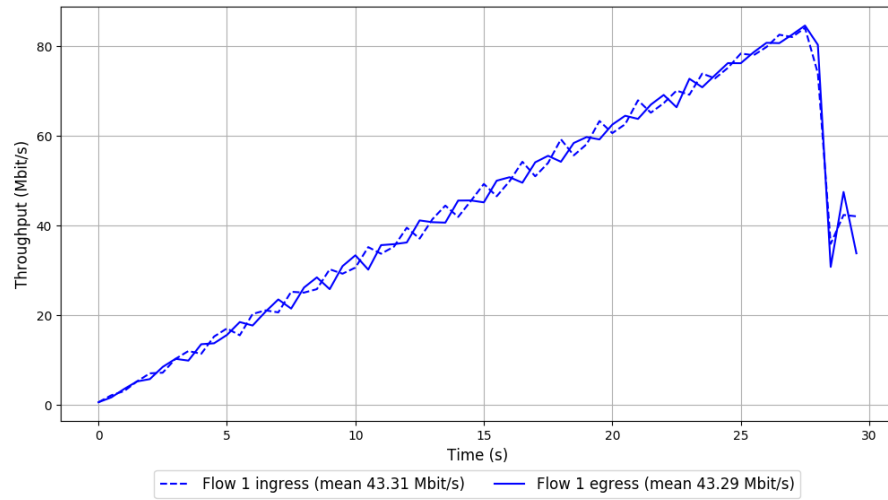
Run 1: Report of LEDBAT — Data Link

```
Run 2: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 00:07:48 +0000
End at: Tue, 25 Jul 2017 00:08:18 +0000
Local clock offset: 0.168 ms
Remote clock offset: -4.949 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.45 Mbit/s
95th percentile per-packet one-way delay: 41.360 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 45.45 Mbit/s
95th percentile per-packet one-way delay: 41.360 ms
Loss rate: 0.58%
```
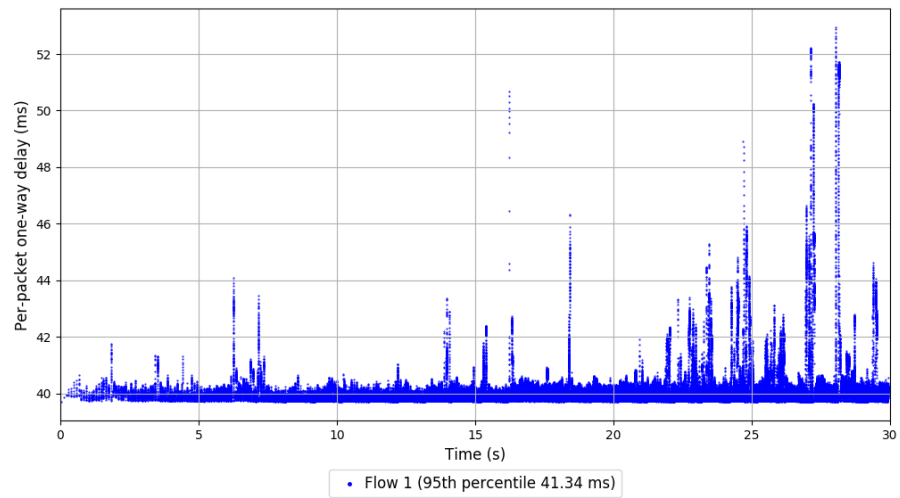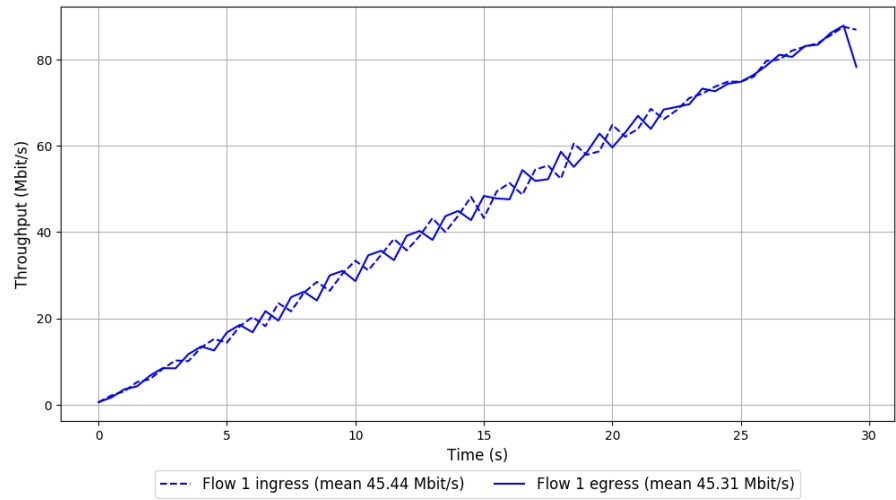
Run 2: Report of LEDBAT — Data Link

```
Run 3: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 00:29:39 +0000
End at: Tue, 25 Jul 2017 00:30:09 +0000
Local clock offset: 0.199 ms
Remote clock offset: -4.792 ms
```

Run 3: Report of LEDBAT — Data Link

```
Run 4: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 00:52:29 +0000
End at: Tue, 25 Jul 2017 00:52:59 +0000
Local clock offset: 0.274 ms
Remote clock offset: -4.822 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.29 Mbit/s
95th percentile per-packet one-way delay: 40.481 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 43.29 Mbit/s
95th percentile per-packet one-way delay: 40.481 ms
Loss rate: 0.32%
```
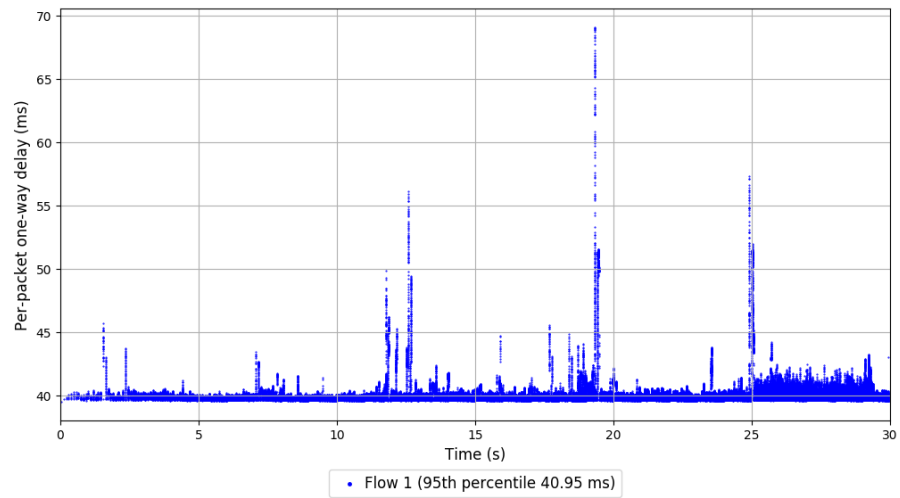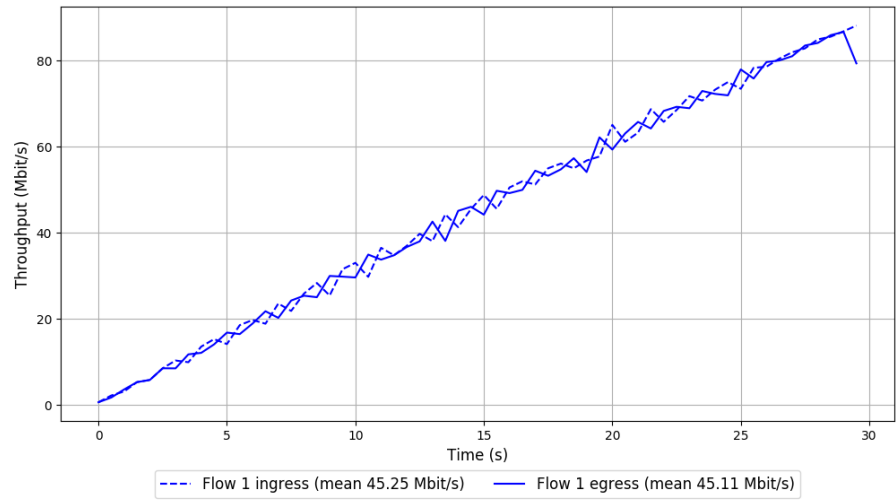
Run 4: Report of LEDBAT — Data Link

```
Run 5: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 01:13:26 +0000
End at: Tue, 25 Jul 2017 01:13:56 +0000
Local clock offset: 0.539 ms
Remote clock offset: -4.527 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 41.337 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 45.31 Mbit/s
95th percentile per-packet one-way delay: 41.337 ms
Loss rate: 0.58%
```
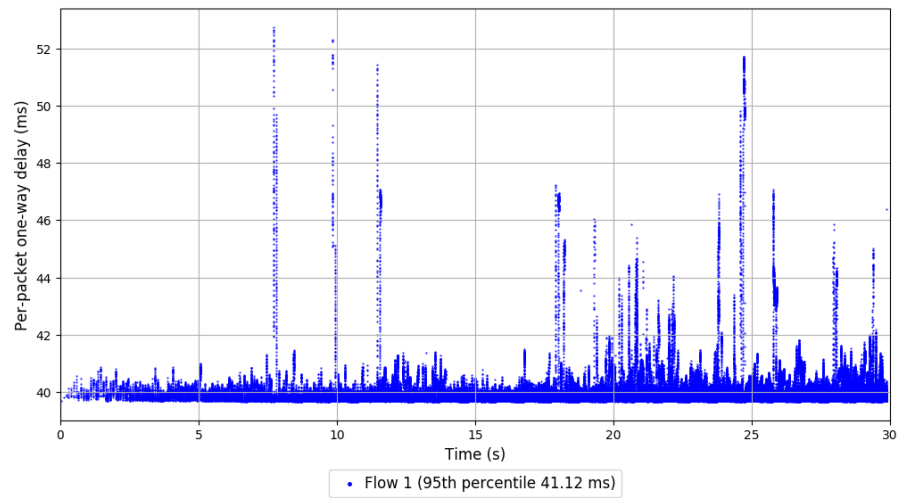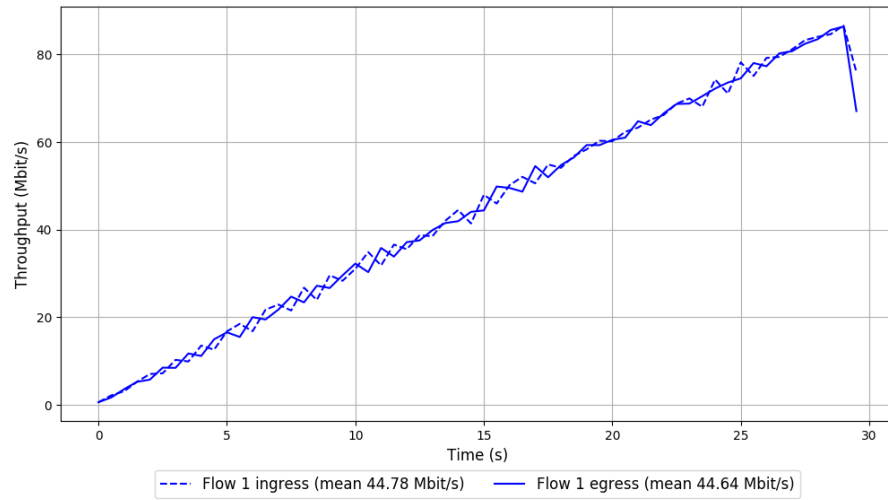
Run 5: Report of LEDBAT — Data Link

Flow 1 ingress (mean 45.44 Mbit/s) ----- Flow 1 egress (mean 45.31 Mbit/s)

Flow 1 (95th percentile 41.34 ms)

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```
Run 6: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 01:33:35 +0000
End at: Tue, 25 Jul 2017 01:34:05 +0000
Local clock offset: 0.603 ms
Remote clock offset: -3.841 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 40.955 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 45.11 Mbit/s
95th percentile per-packet one-way delay: 40.955 ms
Loss rate: 0.58%
```
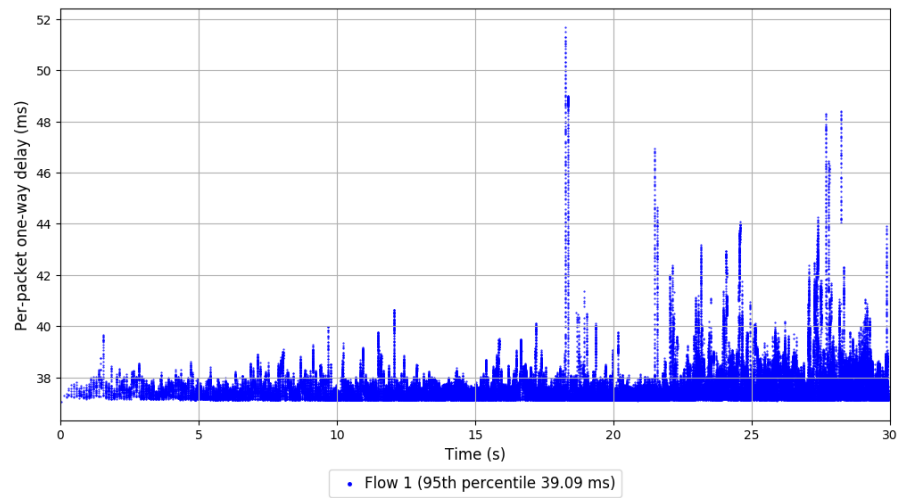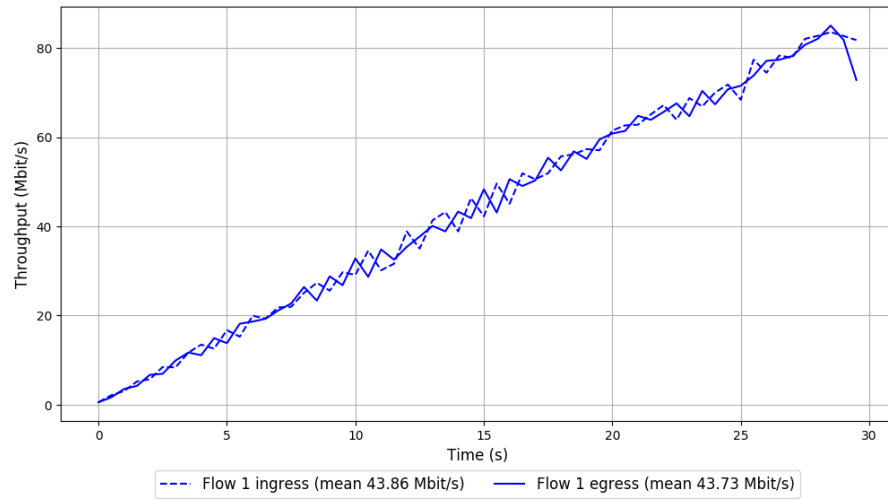
Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 01:54:08 +0000
End at: Tue, 25 Jul 2017 01:54:38 +0000
Local clock offset: 0.72 ms
Remote clock offset: -3.591 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.64 Mbit/s
95th percentile per-packet one-way delay: 41.116 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 44.64 Mbit/s
95th percentile per-packet one-way delay: 41.116 ms
Loss rate: 0.59%
```
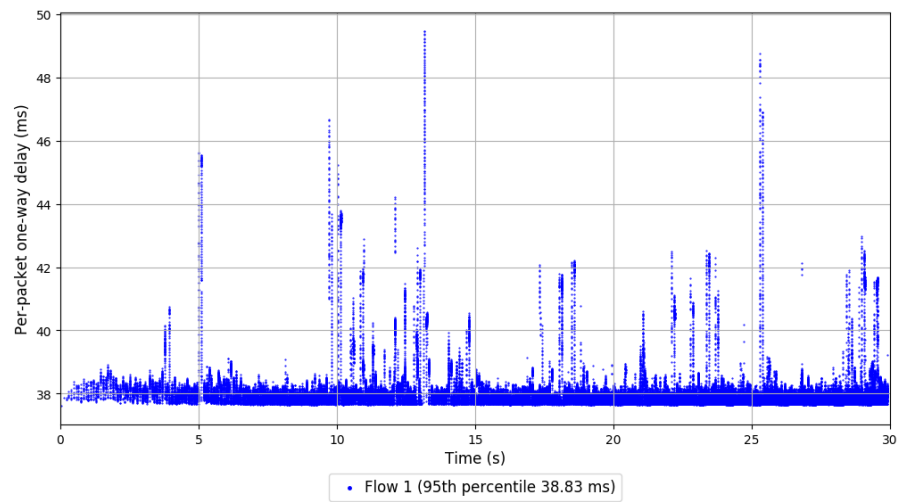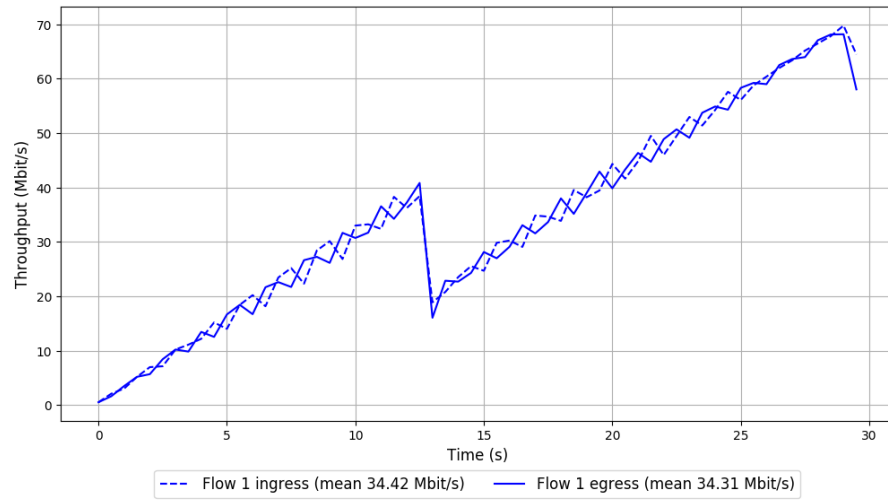
Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 44.78 Mbit/s) — — — Flow 1 egress (mean 44.64 Mbit/s)

• Flow 1 (95th percentile 41.12 ms)

```
Run 8: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 02:14:37 +0000
End at: Tue, 25 Jul 2017 02:15:07 +0000
Local clock offset: 0.813 ms
Remote clock offset: -0.896 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 39.094 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 39.094 ms
Loss rate: 0.59%
```
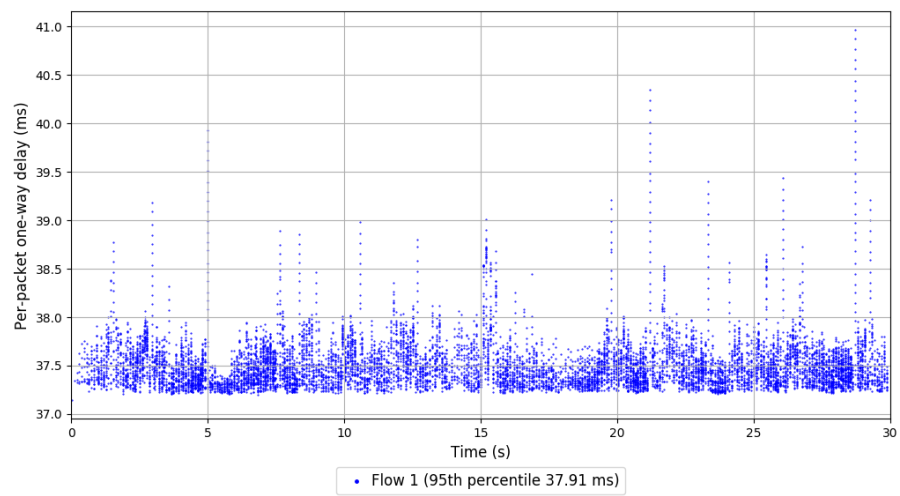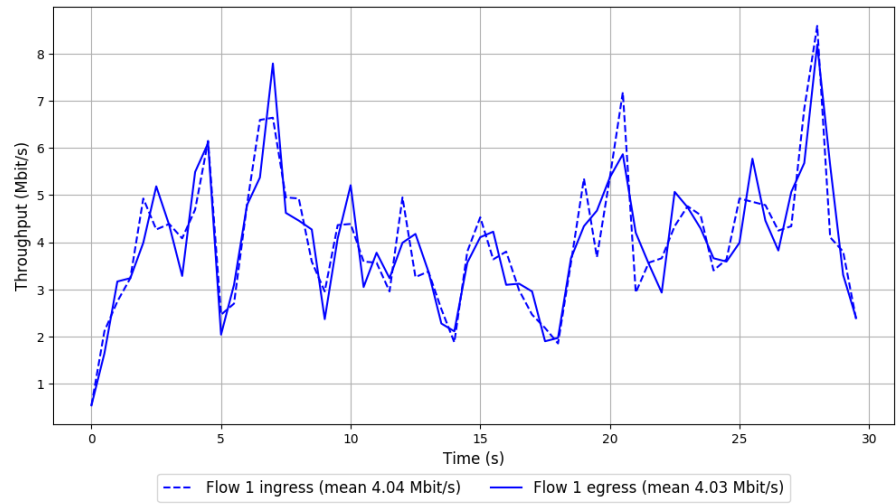
Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 43.86 Mbit/s) ----   Flow 1 egress (mean 43.73 Mbit/s) ———

• Flow 1 (95th percentile 39.09 ms)

```
Run 9: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 02:35:05 +0000
End at: Tue, 25 Jul 2017 02:35:35 +0000
Local clock offset: 0.813 ms
Remote clock offset: -1.355 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 38.831 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 34.31 Mbit/s
95th percentile per-packet one-way delay: 38.831 ms
Loss rate: 0.61%
```
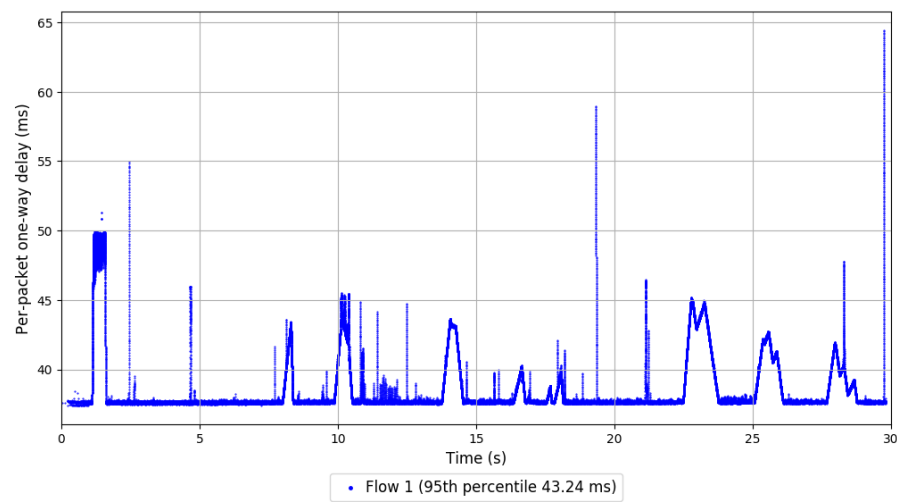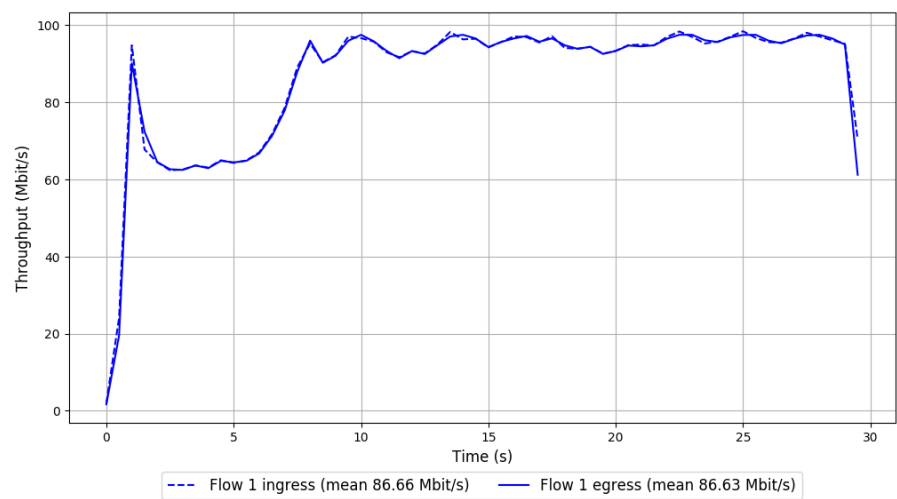
Run 9: Report of LEDBAT — Data Link

```
Run 10: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 02:58:18 +0000
End at: Tue, 25 Jul 2017 02:58:48 +0000
Local clock offset: 0.796 ms
Remote clock offset: -0.51 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 37.914 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 4.03 Mbit/s
95th percentile per-packet one-way delay: 37.914 ms
Loss rate: 0.62%
```
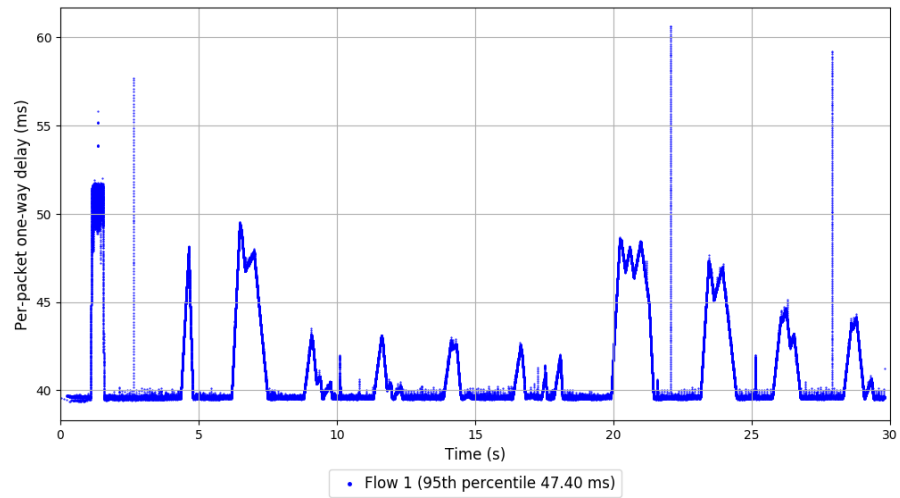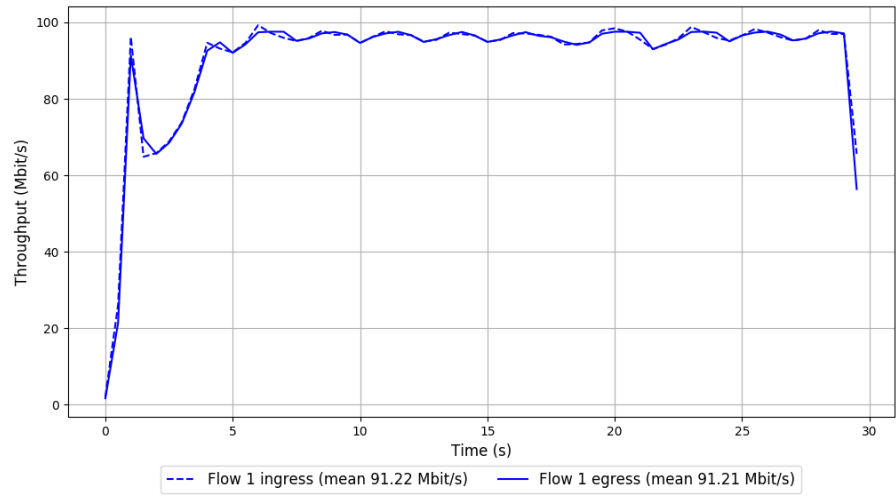
Run 10: Report of LEDBAT — Data Link

Flow 1 ingress (mean 4.04 Mbit/s)   Flow 1 egress (mean 4.03 Mbit/s)

Flow 1 (95th percentile 37.91 ms)

```
Run 1: Statistics of PCC

Start at: Mon, 24 Jul 2017 23:54:12 +0000
End at: Mon, 24 Jul 2017 23:54:42 +0000
Local clock offset: 0.09 ms
Remote clock offset: -2.975 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 43.236 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 86.63 Mbit/s
95th percentile per-packet one-way delay: 43.236 ms
Loss rate: 0.33%
```
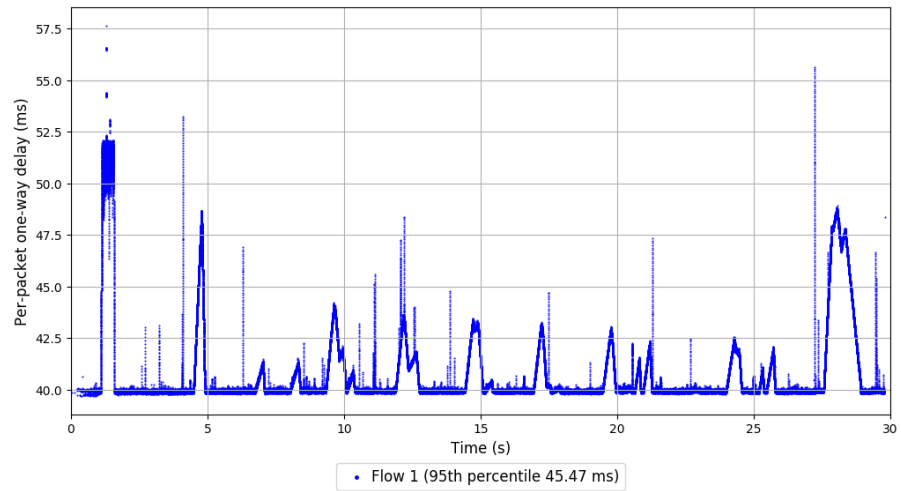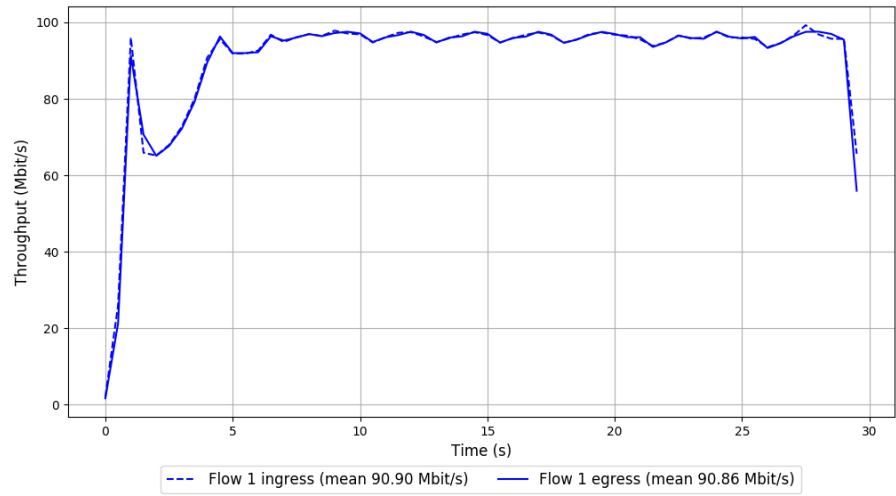
Run 1: Report of PCC — Data Link

Flow 1 ingress (mean 86.66 Mbit/s)   Flow 1 egress (mean 86.63 Mbit/s)

· Flow 1 (95th percentile 43.24 ms)

```
Run 2: Statistics of PCC

Start at: Tue, 25 Jul 2017 00:14:29 +0000
End at: Tue, 25 Jul 2017 00:14:59 +0000
Local clock offset: 0.086 ms
Remote clock offset: -4.78 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:39:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 47.399 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 47.399 ms
Loss rate: 0.31%
```
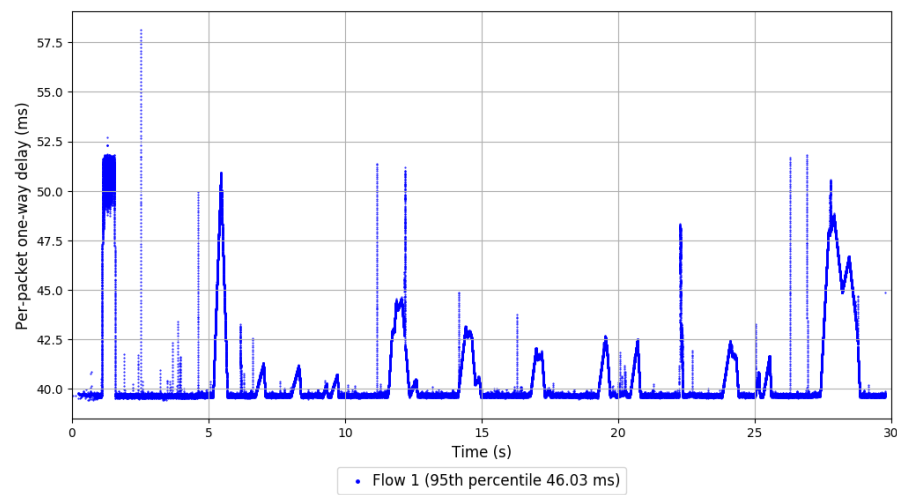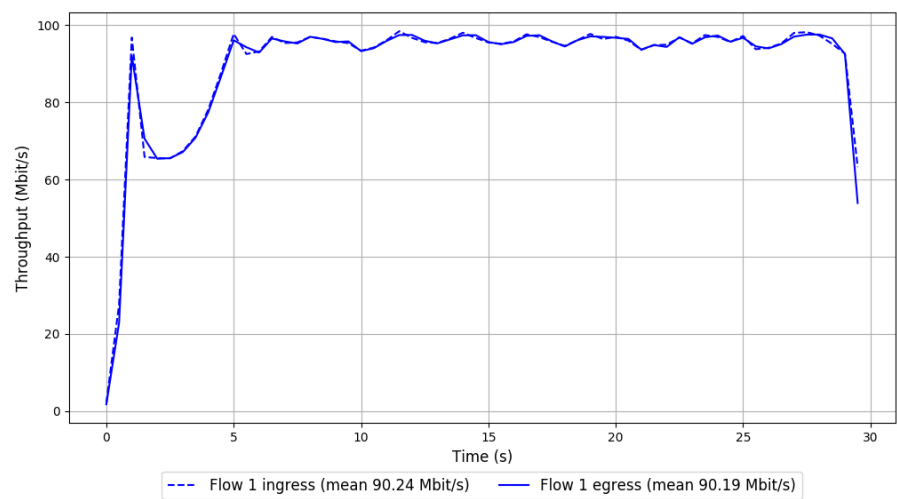
Run 2: Report of PCC — Data Link

```
Run 3: Statistics of PCC

Start at: Tue, 25 Jul 2017 00:37:02 +0000
End at: Tue, 25 Jul 2017 00:37:32 +0000
Local clock offset: 0.35 ms
Remote clock offset: -4.903 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:40:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 45.469 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 45.469 ms
Loss rate: 0.32%
```
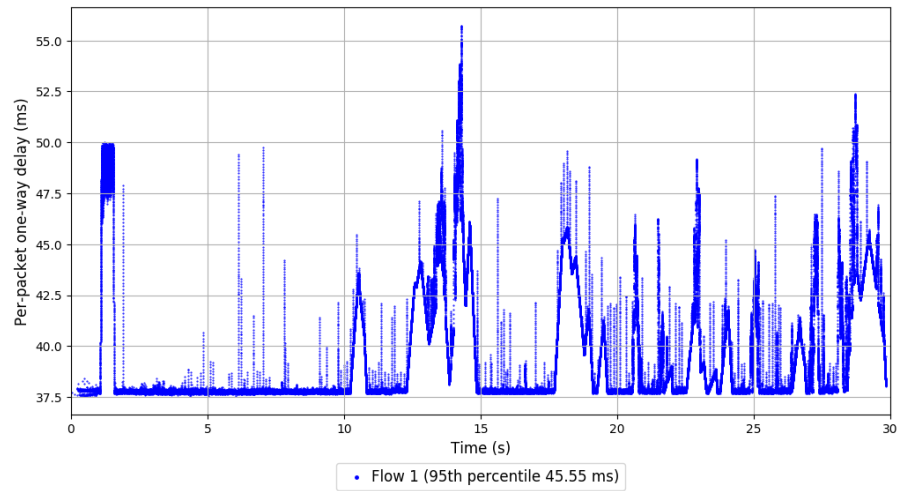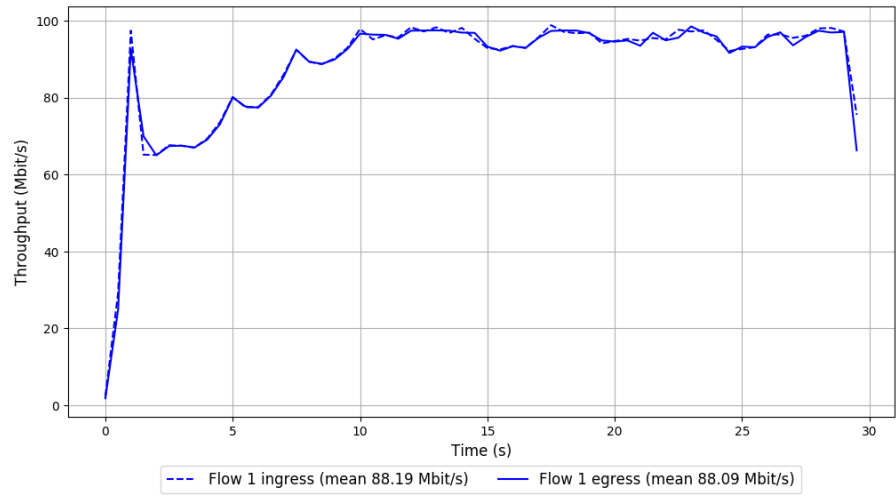
Run 3: Report of PCC — Data Link

```
Run 4: Statistics of PCC

Start at: Tue, 25 Jul 2017 00:59:15 +0000
End at: Tue, 25 Jul 2017 00:59:45 +0000
Local clock offset: 0.308 ms
Remote clock offset: -4.657 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:40:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.19 Mbit/s
95th percentile per-packet one-way delay: 46.035 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 90.19 Mbit/s
95th percentile per-packet one-way delay: 46.035 ms
Loss rate: 0.34%
```
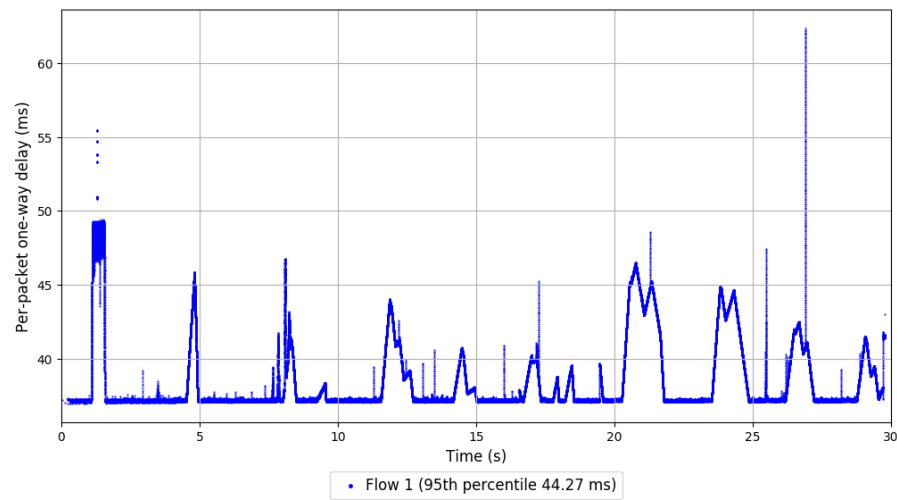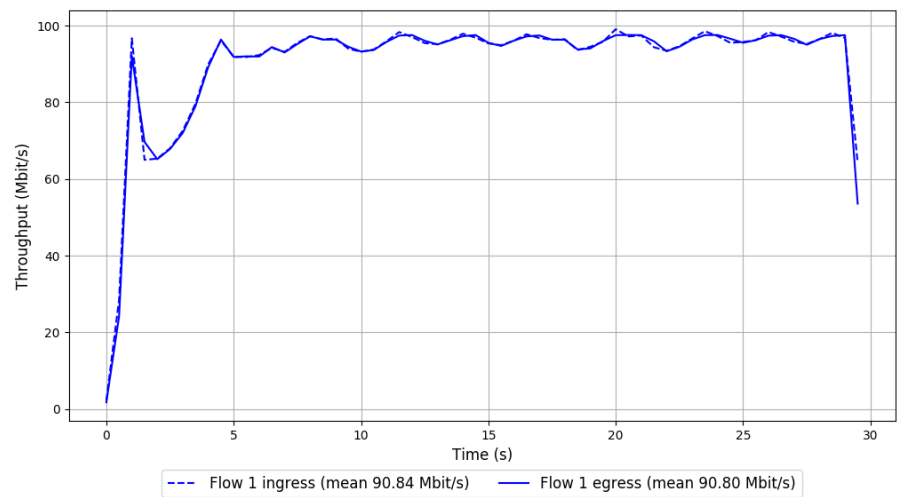
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 90.24 Mbit/s) — — — Flow 1 egress (mean 90.19 Mbit/s)

Flow 1 (95th percentile 46.03 ms)

```
Run 5: Statistics of PCC

Start at: Tue, 25 Jul 2017 01:20:05 +0000
End at: Tue, 25 Jul 2017 01:20:35 +0000
Local clock offset: 0.611 ms
Remote clock offset: -2.331 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:40:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 45.546 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 45.546 ms
Loss rate: 0.43%
```
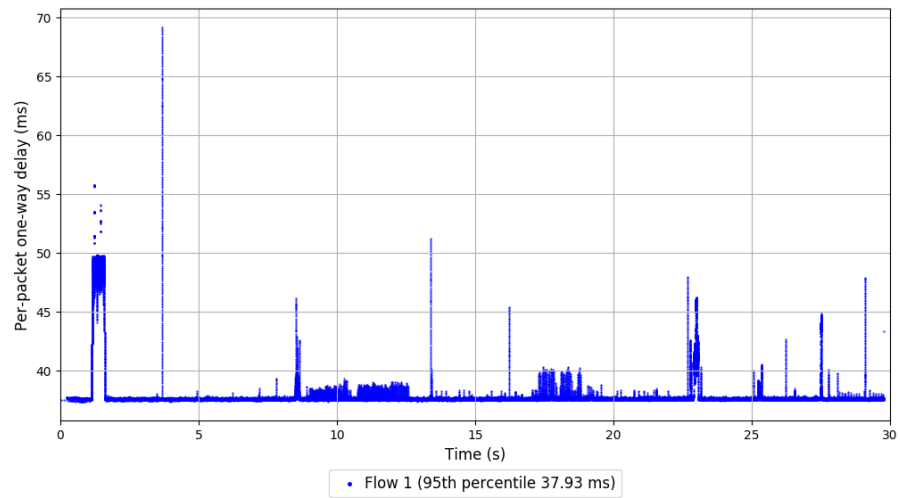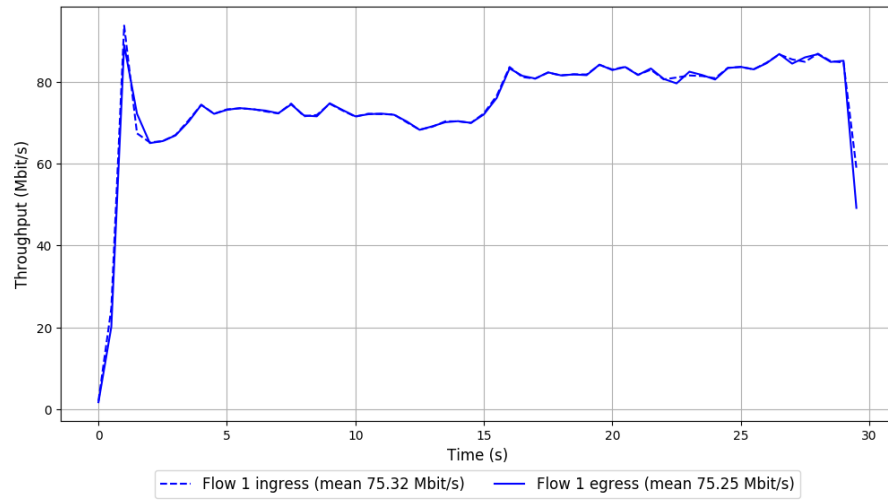
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 88.19 Mbit/s) ----- Flow 1 egress (mean 88.09 Mbit/s)

Flow 1 (95th percentile 45.55 ms)

```
Run 6: Statistics of PCC

Start at: Tue, 25 Jul 2017 01:40:24 +0000
End at: Tue, 25 Jul 2017 01:40:54 +0000
Local clock offset: 0.623 ms
Remote clock offset: -1.326 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:40:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 44.271 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 44.271 ms
Loss rate: 0.34%
```
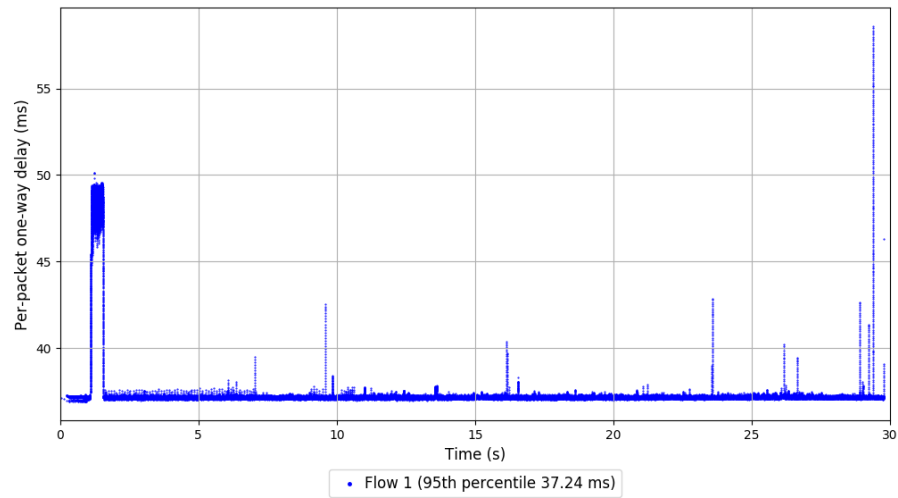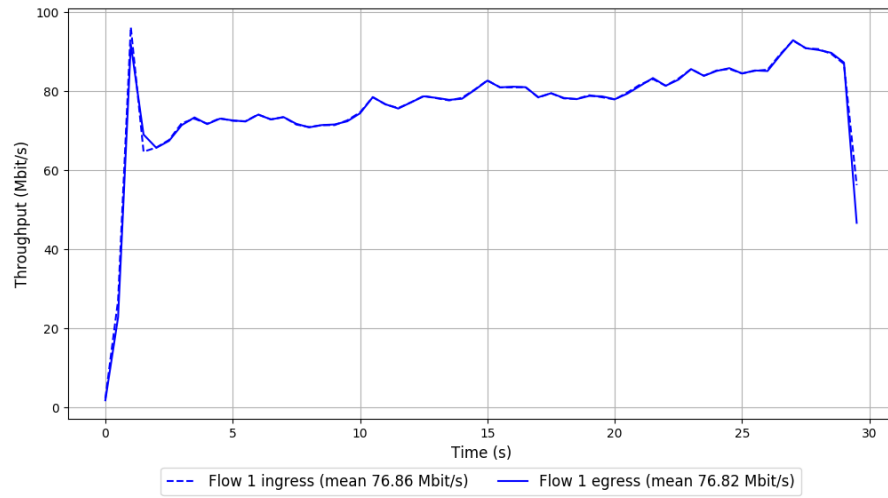
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 90.84 Mbit/s) —— Flow 1 egress (mean 90.80 Mbit/s)

· Flow 1 (95th percentile 44.27 ms)

```
Run 7: Statistics of PCC

Start at: Tue, 25 Jul 2017 02:00:51 +0000
End at: Tue, 25 Jul 2017 02:01:21 +0000
Local clock offset: 0.845 ms
Remote clock offset: -1.432 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:40:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.25 Mbit/s
95th percentile per-packet one-way delay: 37.927 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 75.25 Mbit/s
95th percentile per-packet one-way delay: 37.927 ms
Loss rate: 0.36%
```
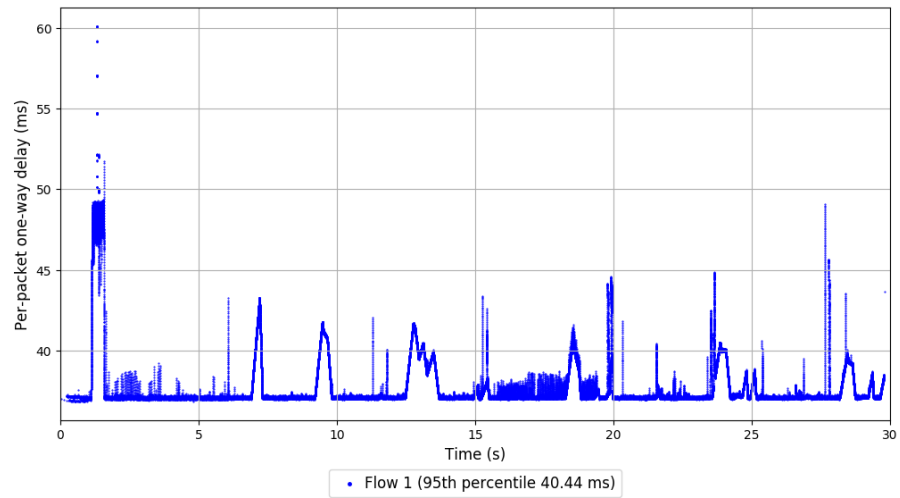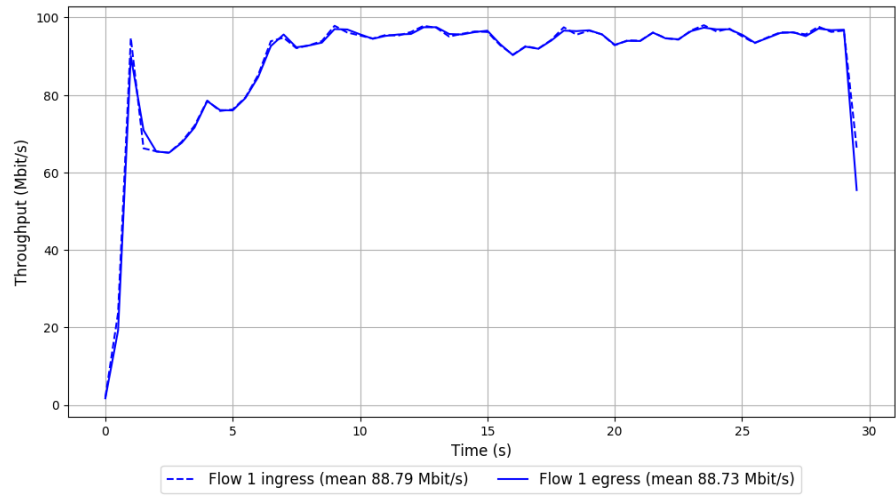
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 75.32 Mbit/s)   Flow 1 egress (mean 75.25 Mbit/s)

Flow 1 (95th percentile 37.93 ms)

```
Run 8: Statistics of PCC

Start at: Tue, 25 Jul 2017 02:21:23 +0000
End at: Tue, 25 Jul 2017 02:21:53 +0000
Local clock offset: 0.919 ms
Remote clock offset: -0.746 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:40:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 37.240 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 37.240 ms
Loss rate: 0.35%
```
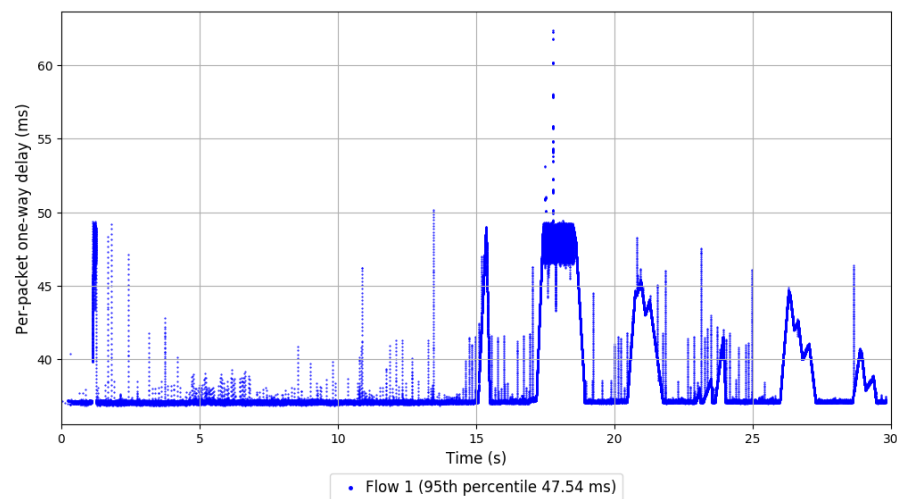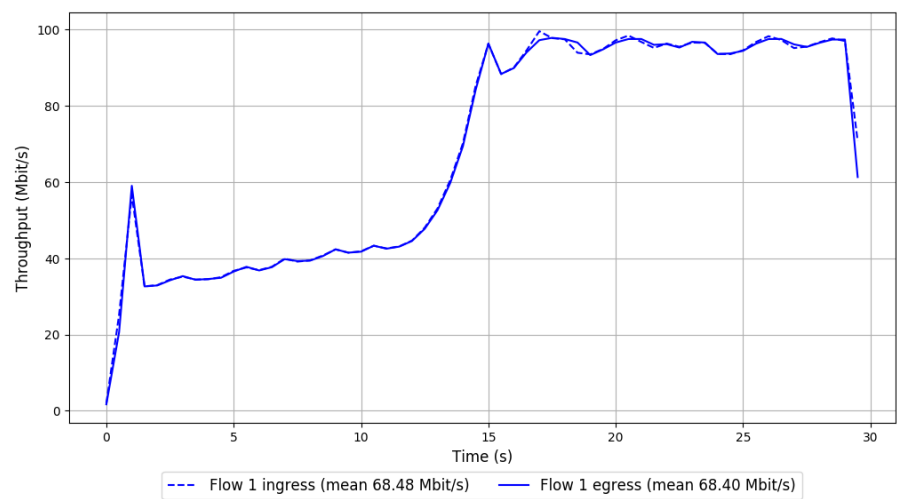
Run 8: Report of PCC — Data Link

Flow 1 ingress (mean 76.86 Mbit/s)   Flow 1 egress (mean 76.82 Mbit/s)

Flow 1 (95th percentile 37.24 ms)

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```
Run 9: Statistics of PCC

Start at: Tue, 25 Jul 2017 02:41:44 +0000
End at: Tue, 25 Jul 2017 02:42:14 +0000
Local clock offset: 0.818 ms
Remote clock offset: -0.741 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:40:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 40.444 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 88.73 Mbit/s
95th percentile per-packet one-way delay: 40.444 ms
Loss rate: 0.35%
```

Run 9: Report of PCC — Data Link

Flow 1 ingress (mean 88.79 Mbit/s)   Flow 1 egress (mean 88.73 Mbit/s)

Flow 1 (95th percentile 40.44 ms)

```
Run 10: Statistics of PCC

Start at: Tue, 25 Jul 2017 03:05:12 +0000
End at: Tue, 25 Jul 2017 03:05:42 +0000
Local clock offset: 0.781 ms
Remote clock offset: -0.185 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:40:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.40 Mbit/s
95th percentile per-packet one-way delay: 47.543 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 68.40 Mbit/s
95th percentile per-packet one-way delay: 47.543 ms
Loss rate: 0.41%
```
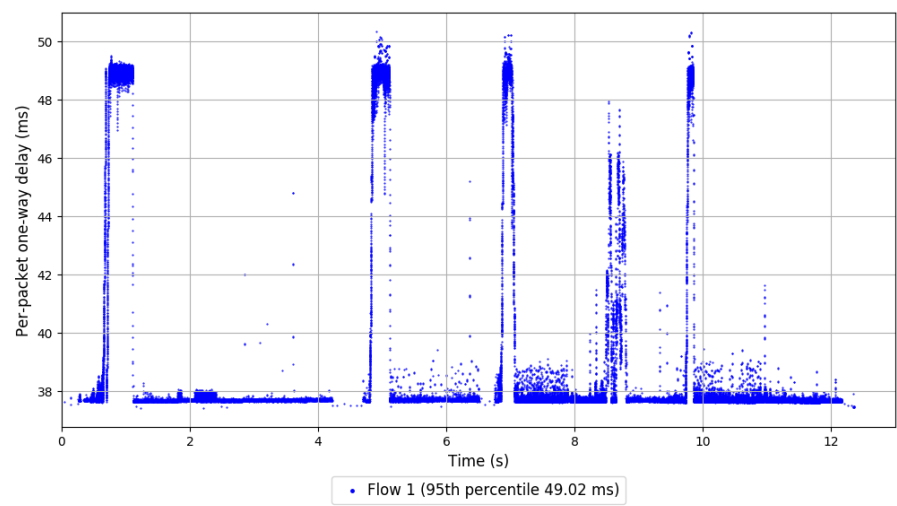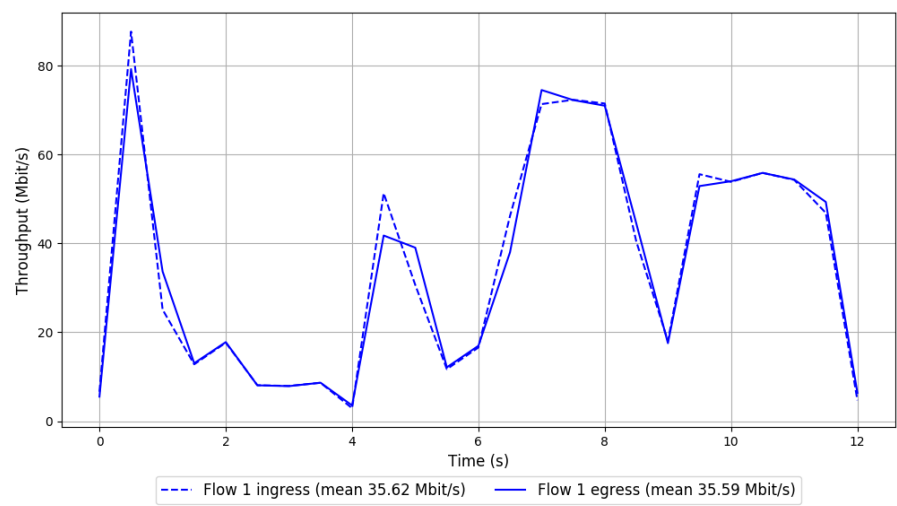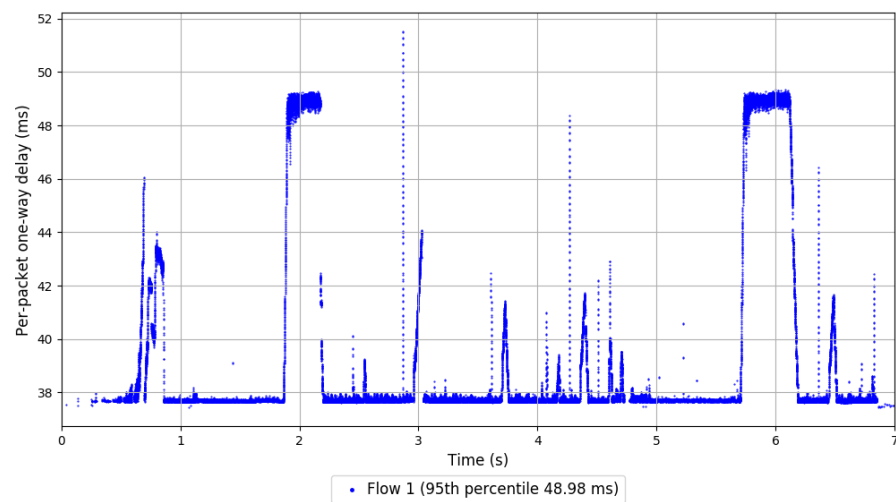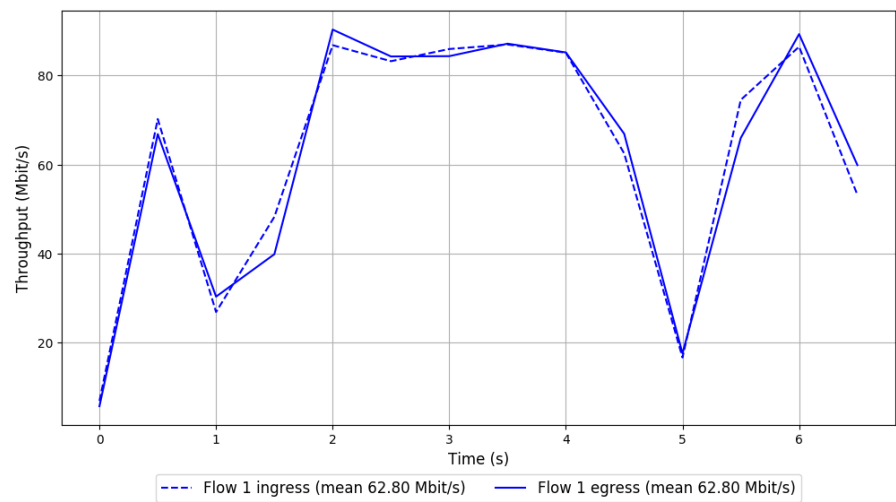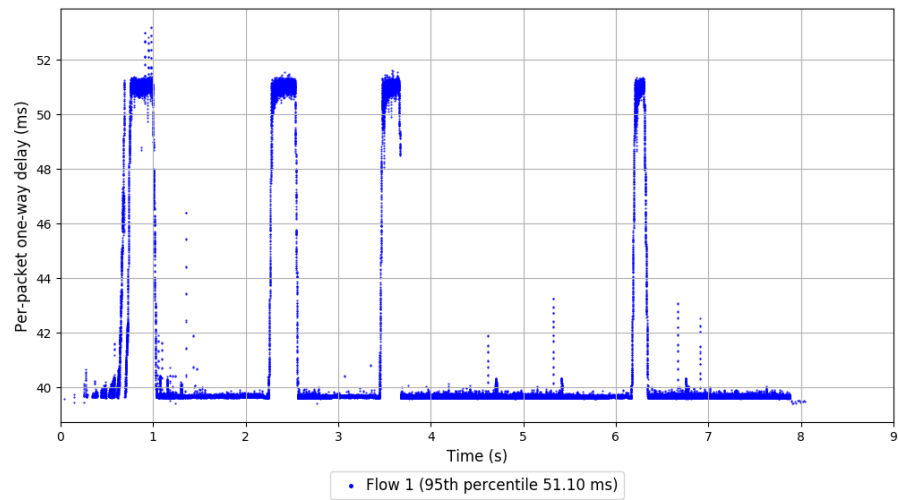
Run 10: Report of PCC — Data Link

Flow 1 ingress (mean 68.48 Mbit/s)   Flow 1 egress (mean 68.40 Mbit/s)

Flow 1 (95th percentile 47.54 ms)

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Run 1: Statistics of QUIC Cubic

Start at: Mon, 24 Jul 2017 23:38:51 +0000
End at: Mon, 24 Jul 2017 23:39:21 +0000
Local clock offset: 0.222 ms
Remote clock offset: -5.021 ms

Run 1: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 51.58 Mbit/s)   Flow 1 egress (mean 51.58 Mbit/s)

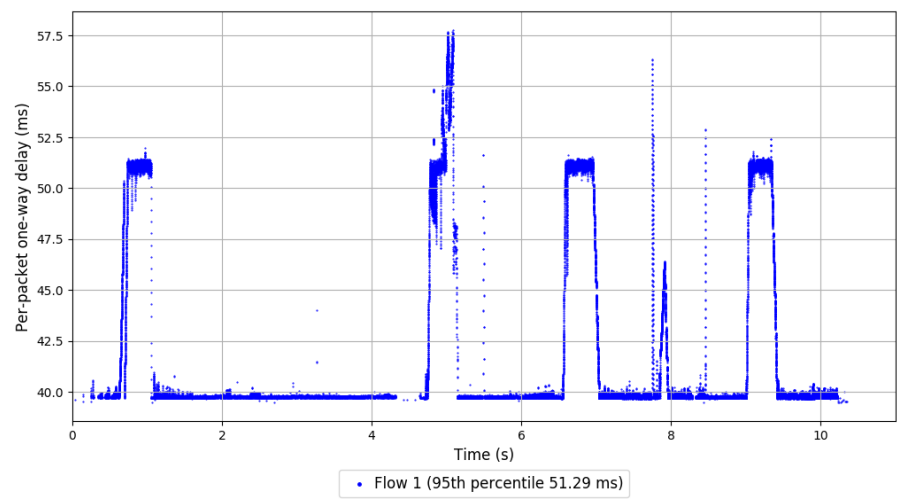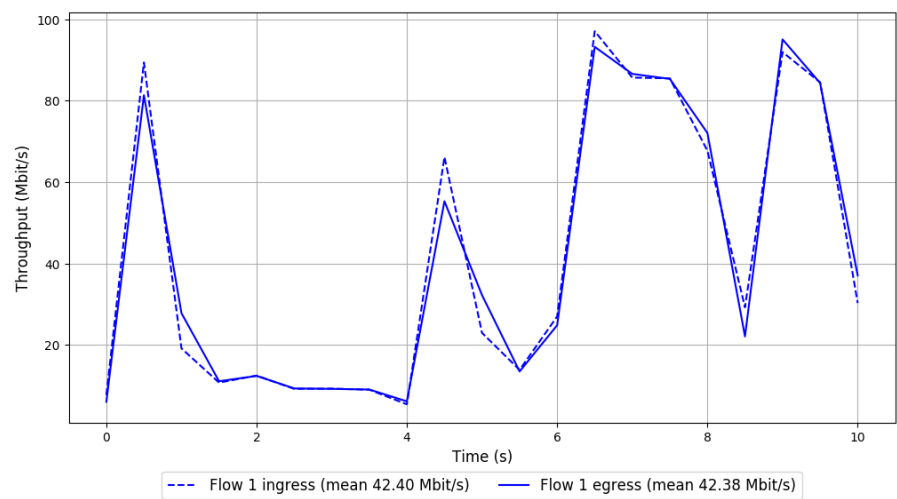• Flow 1 (95th percentile 51.05 ms)

Run 2: Statistics of QUIC Cubic

Start at: Mon, 24 Jul 2017 23:59:35 +0000
End at: Tue, 25 Jul 2017 00:00:05 +0000
Local clock offset: 0.175 ms
Remote clock offset: -4.92 ms

Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 37.31 Mbit/s) --- Flow 1 egress (mean 37.30 Mbit/s)

Flow 1 (95th percentile 51.36 ms)
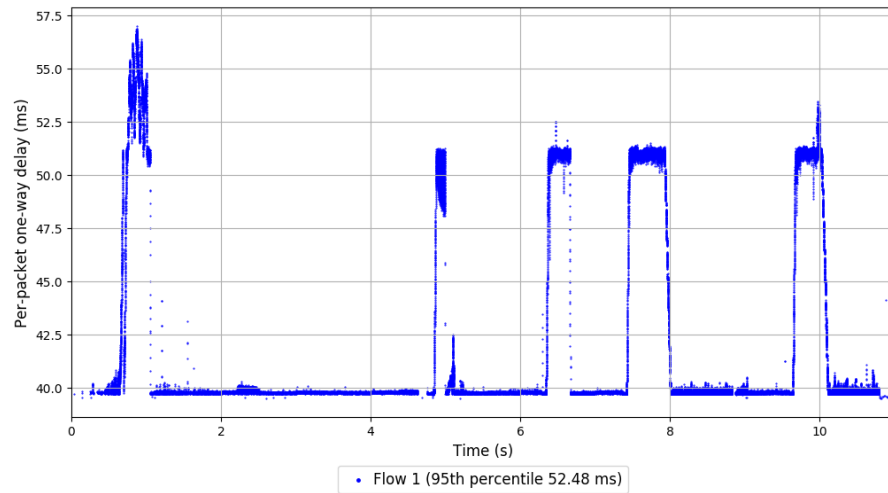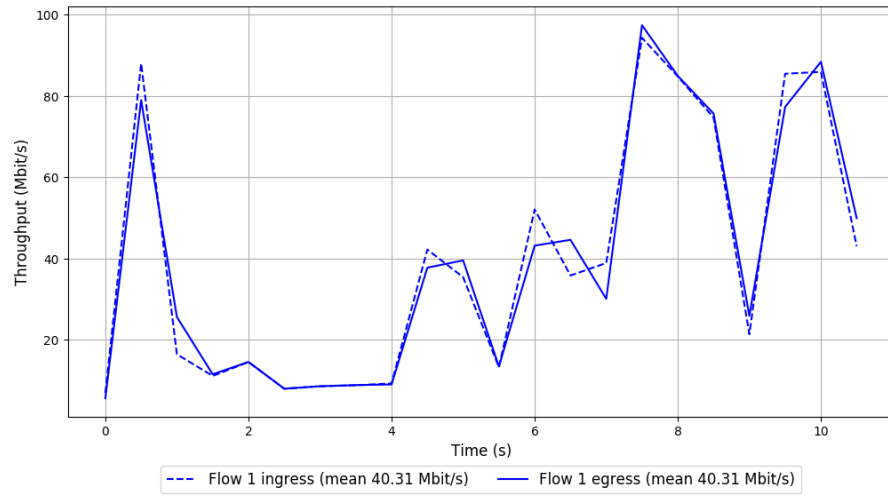
Run 3: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 00:19:56 +0000
End at: Tue, 25 Jul 2017 00:20:26 +0000
Local clock offset: 0.139 ms
Remote clock offset: -2.778 ms

Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 35.62 Mbit/s)   Flow 1 egress (mean 35.59 Mbit/s)

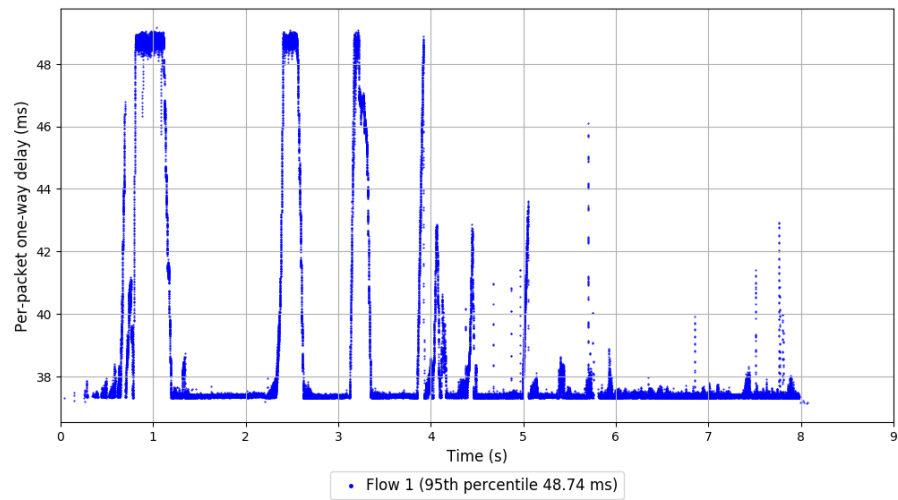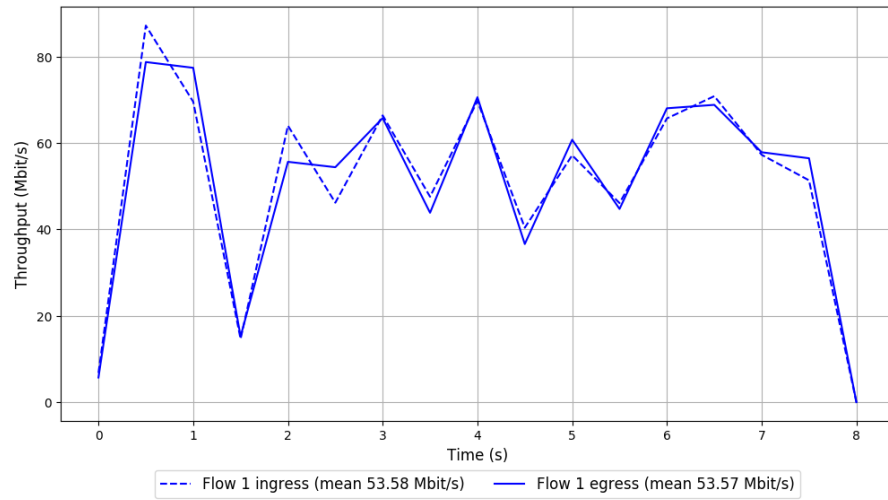• Flow 1 (95th percentile 49.02 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 00:43:10 +0000
End at: Tue, 25 Jul 2017 00:43:40 +0000
Local clock offset: 0.352 ms
Remote clock offset: -2.701 ms
```

Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 62.80 Mbit/s)   Flow 1 egress (mean 62.80 Mbit/s)

Flow 1 (95th percentile 48.98 ms)
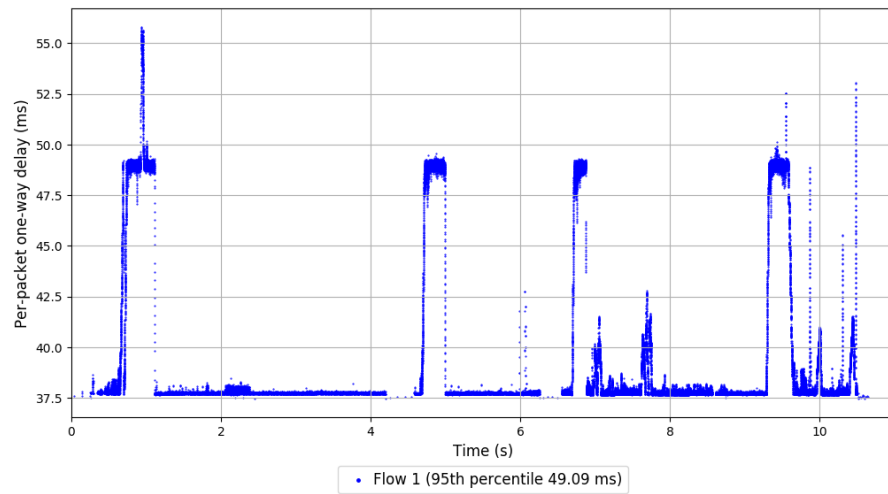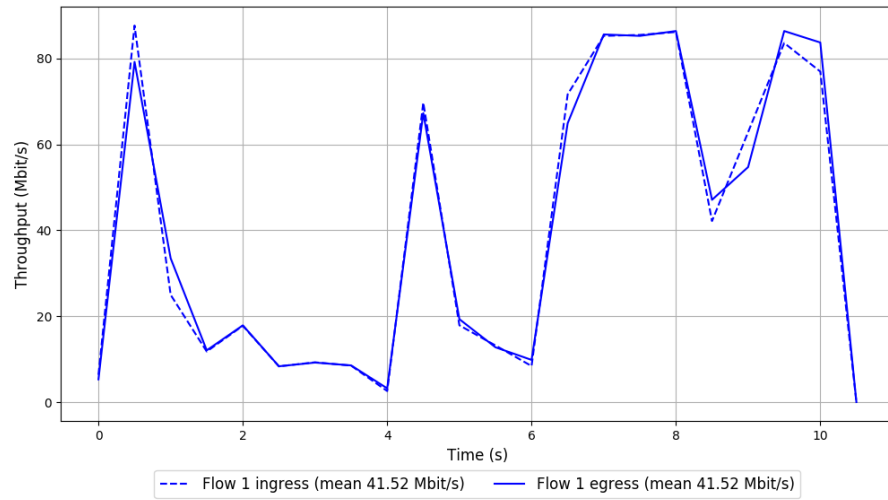
Run 5: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 01:04:43 +0000
End at: Tue, 25 Jul 2017 01:05:13 +0000
Local clock offset: 0.345 ms
Remote clock offset: -4.654 ms

Run 5: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 54.17 Mbit/s)   Flow 1 egress (mean 54.17 Mbit/s)

Flow 1 (95th percentile 51.10 ms)

Run 6: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 01:25:24 +0000
End at: Tue, 25 Jul 2017 01:25:54 +0000
Local clock offset: 0.565 ms
Remote clock offset: -4.165 ms

Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 42.40 Mbit/s) — — — Flow 1 egress (mean 42.38 Mbit/s)

Flow 1 (95th percentile 51.29 ms)

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Run 7: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 01:45:47 +0000
End at: Tue, 25 Jul 2017 01:46:17 +0000
Local clock offset: 0.734 ms
Remote clock offset: -3.631 ms

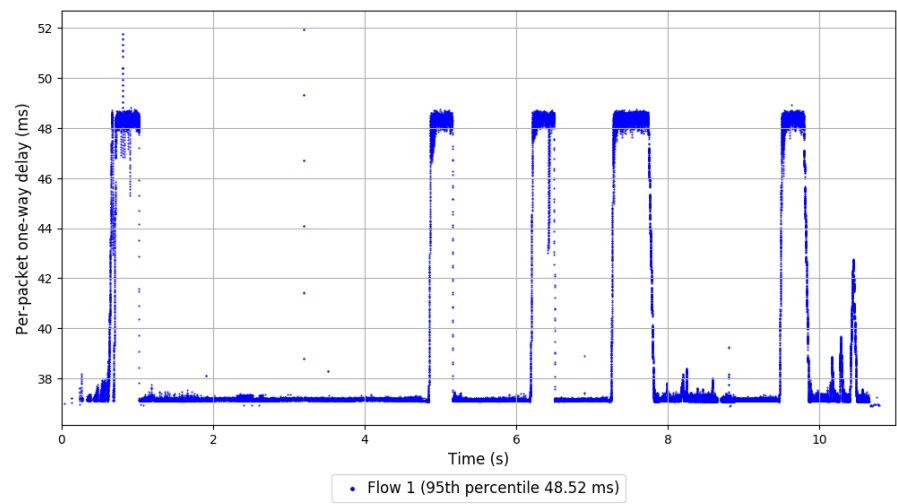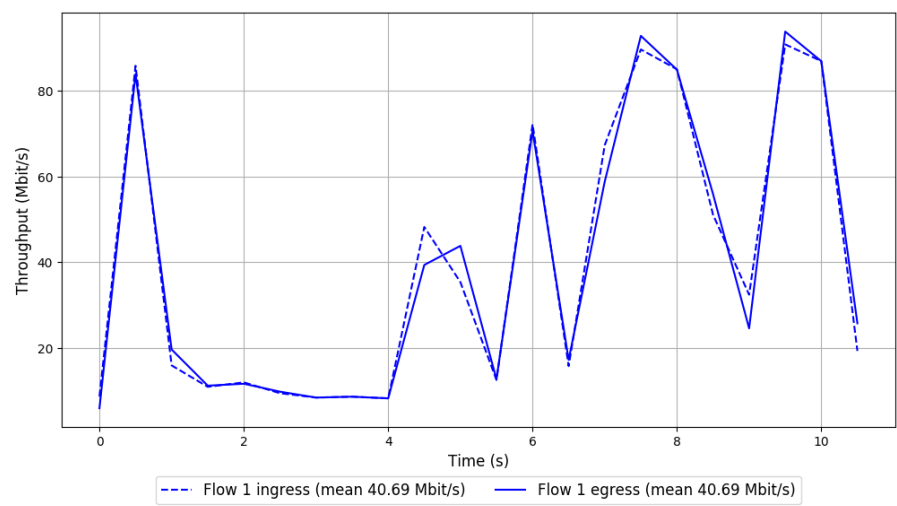# Run 7: Report of QUIC Cubic — Data Link

Run 8: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 02:06:12 +0000
End at: Tue, 25 Jul 2017 02:06:42 +0000
Local clock offset: 0.894 ms
Remote clock offset: -0.991 ms

Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 53.58 Mbit/s) --- Flow 1 egress (mean 53.57 Mbit/s)

Flow 1 (95th percentile 48.74 ms)

Run 9: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 02:26:44 +0000
End at: Tue, 25 Jul 2017 02:27:14 +0000
Local clock offset: 0.917 ms
Remote clock offset: -1.279 ms

Run 9: Report of QUIC Cubic — Data Link

Run 10: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 02:47:19 +0000
End at: Tue, 25 Jul 2017 02:47:49 +0000
Local clock offset: 0.821 ms
Remote clock offset: -0.675 ms

Run 10: Report of QUIC Cubic — Data Link

```
Run 1: Statistics of Saturator

Start at: Mon, 24 Jul 2017 23:50:17 +0000
End at: Mon, 24 Jul 2017 23:50:48 +0000
Local clock offset: 0.199 ms
Remote clock offset: -5.091 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:40:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 40.534 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 26.99 Mbit/s
95th percentile per-packet one-way delay: 40.534 ms
Loss rate: 0.29%
```
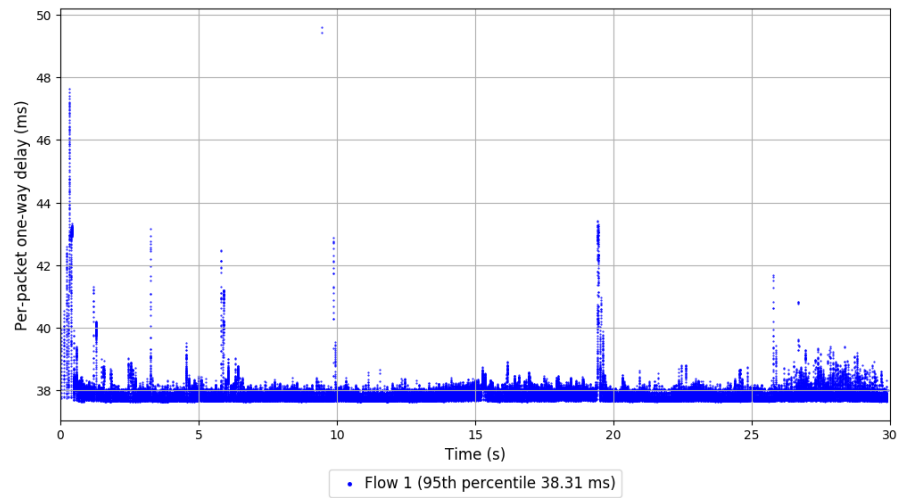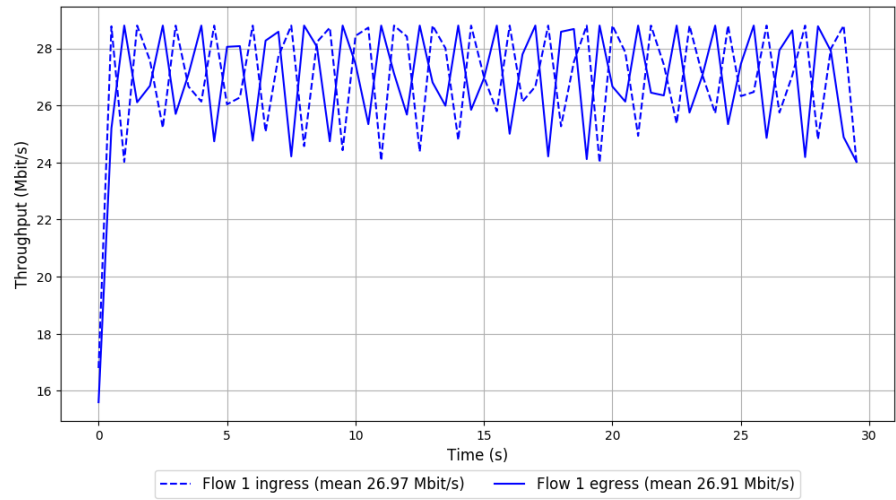
Run 1: Report of Saturator — Data Link

```
Run 2: Statistics of Saturator

Start at: Tue, 25 Jul 2017 00:10:34 +0000
End at: Tue, 25 Jul 2017 00:11:04 +0000
Local clock offset: 0.174 ms
Remote clock offset: -2.72 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:40:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.91 Mbit/s
95th percentile per-packet one-way delay: 38.309 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 26.91 Mbit/s
95th percentile per-packet one-way delay: 38.309 ms
Loss rate: 0.30%
```
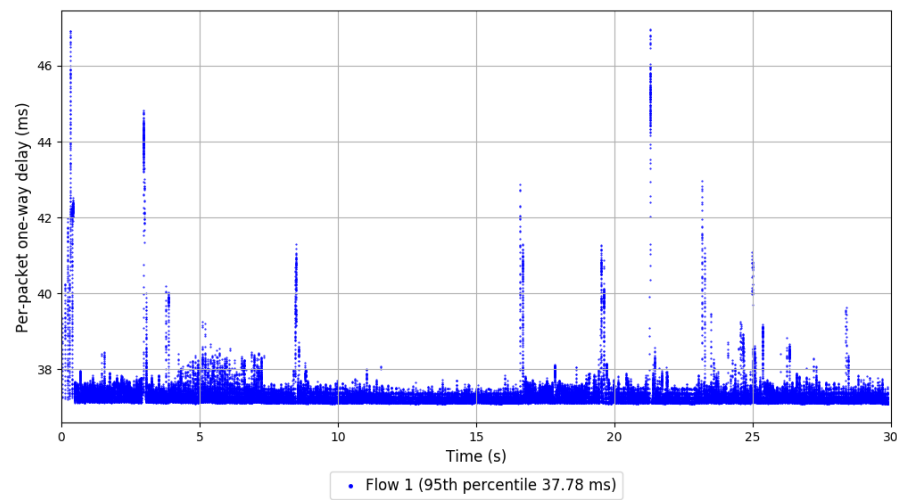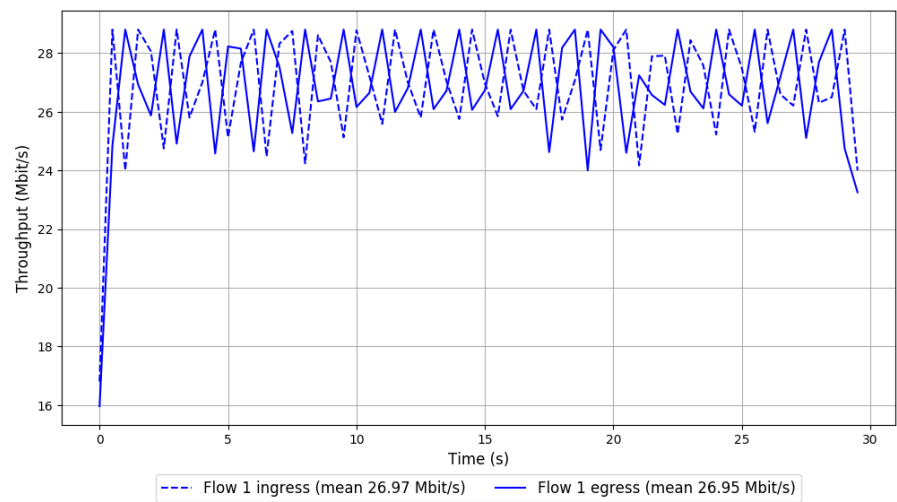
Run 2: Report of Saturator — Data Link

```
Run 3: Statistics of Saturator

Start at: Tue, 25 Jul 2017 00:32:56 +0000
End at: Tue, 25 Jul 2017 00:33:26 +0000
Local clock offset: 0.22 ms
Remote clock offset: -2.252 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:40:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 37.779 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 37.779 ms
Loss rate: 0.35%
```
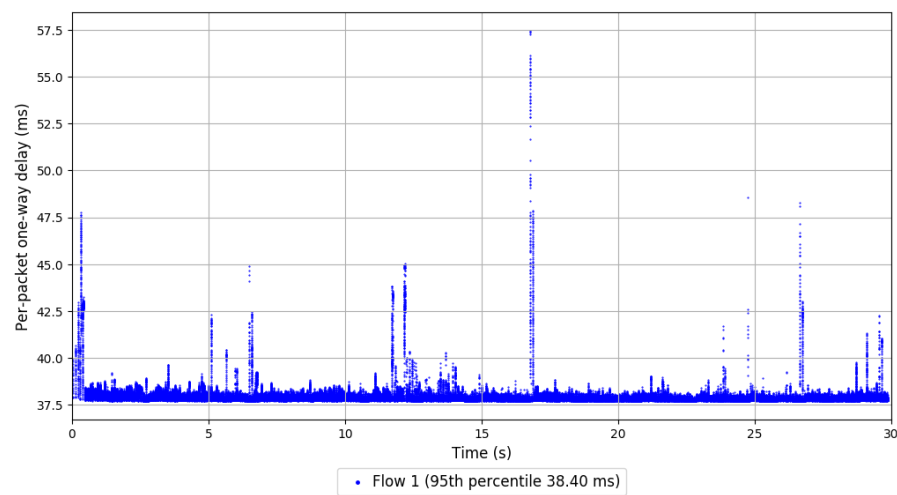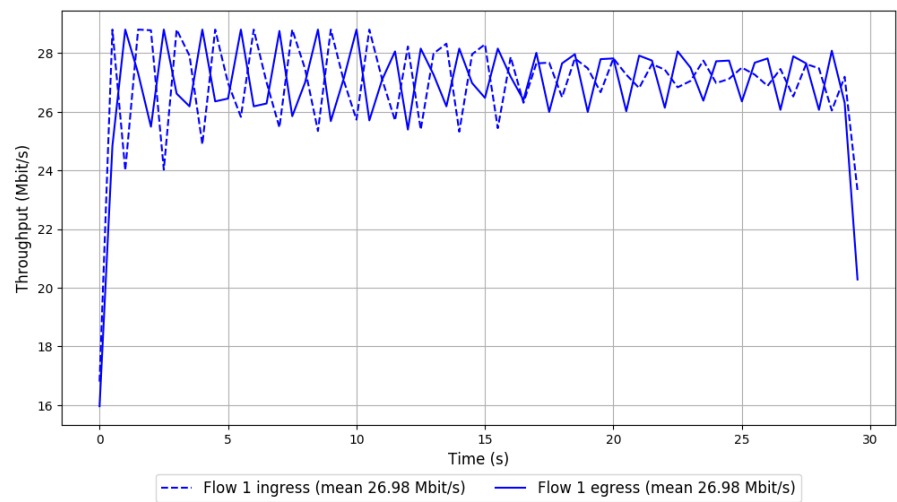
Run 3: Report of Saturator — Data Link

Flow 1 ingress (mean 26.97 Mbit/s)   Flow 1 egress (mean 26.95 Mbit/s)

Flow 1 (95th percentile 37.78 ms)

```
Run 4: Statistics of Saturator

Start at: Tue, 25 Jul 2017 00:55:19 +0000
End at: Tue, 25 Jul 2017 00:55:49 +0000
Local clock offset: 0.267 ms
Remote clock offset: -2.803 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.98 Mbit/s
95th percentile per-packet one-way delay: 38.395 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 26.98 Mbit/s
95th percentile per-packet one-way delay: 38.395 ms
Loss rate: 0.29%
```
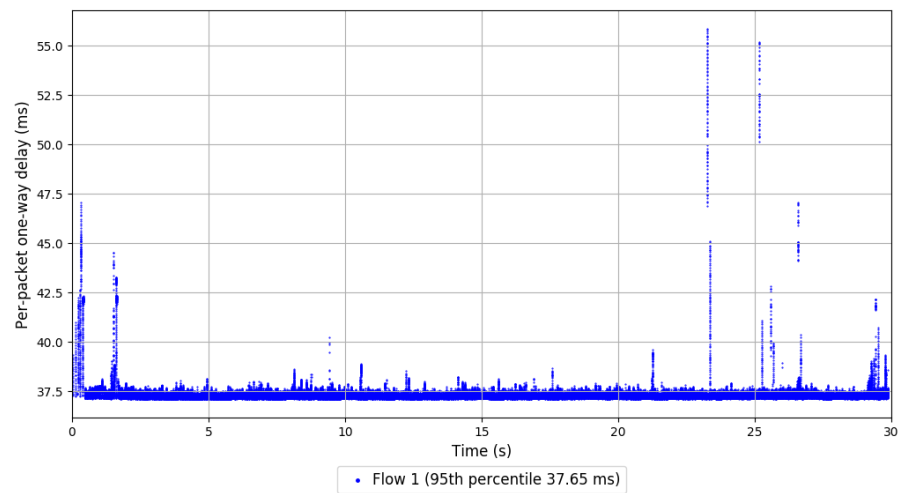
Run 4: Report of Saturator — Data Link

```
Run 5: Statistics of Saturator

Start at: Tue, 25 Jul 2017 01:16:10 +0000
End at: Tue, 25 Jul 2017 01:16:40 +0000
Local clock offset: 0.5 ms
Remote clock offset: -1.921 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.43 Mbit/s
95th percentile per-packet one-way delay: 37.647 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 27.43 Mbit/s
95th percentile per-packet one-way delay: 37.647 ms
Loss rate: 0.29%
```
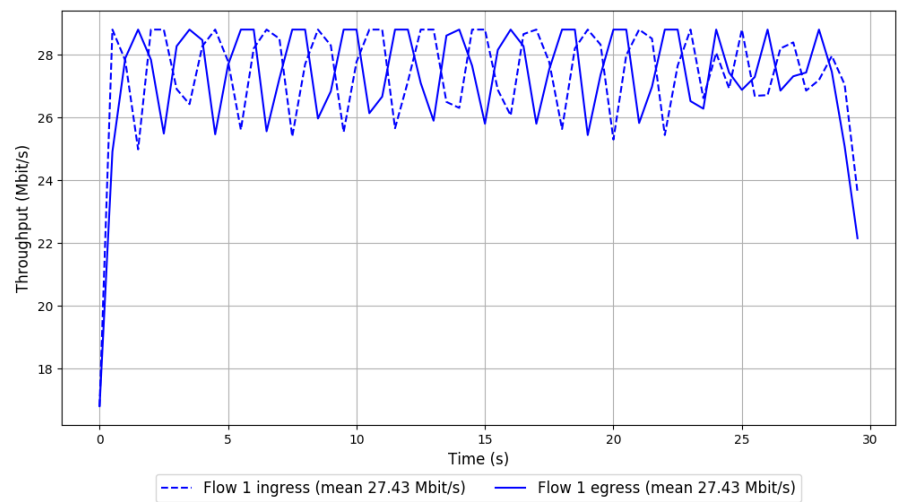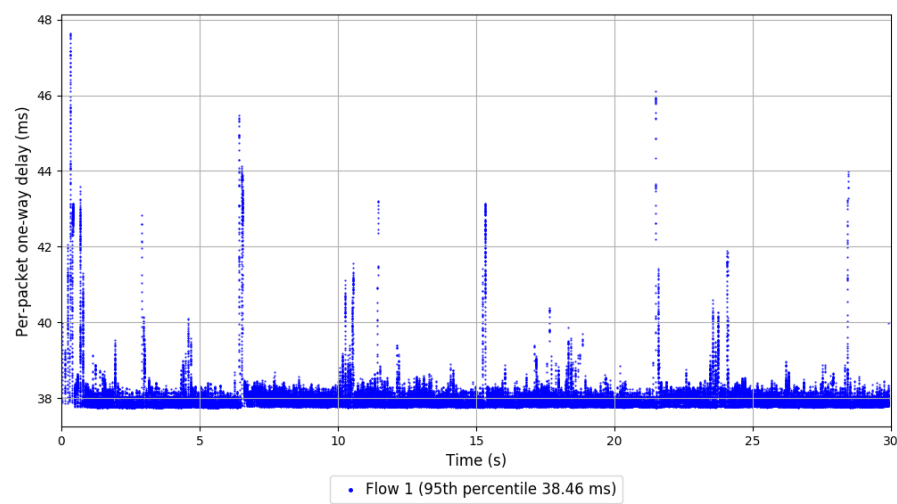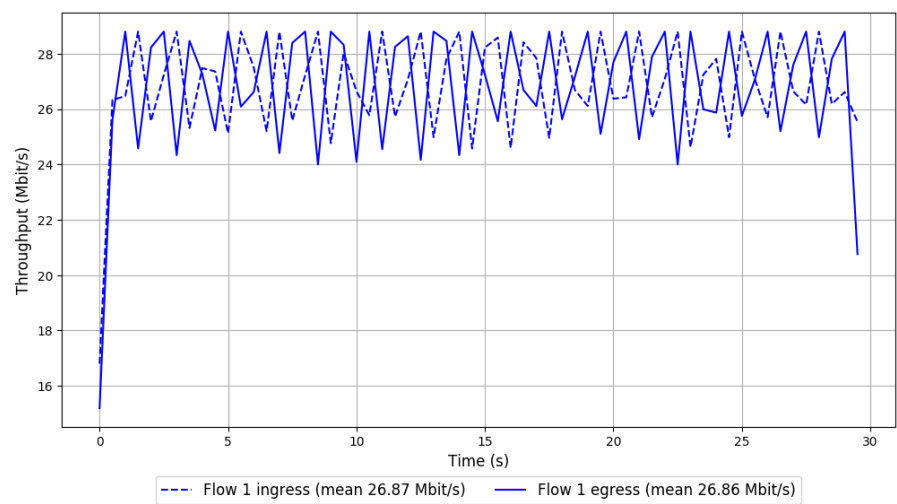
Run 5: Report of Saturator — Data Link

```
Run 6: Statistics of Saturator

Start at: Tue, 25 Jul 2017 01:36:29 +0000
End at: Tue, 25 Jul 2017 01:36:59 +0000
Local clock offset: 0.703 ms
Remote clock offset: -1.863 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.86 Mbit/s
95th percentile per-packet one-way delay: 38.463 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 26.86 Mbit/s
95th percentile per-packet one-way delay: 38.463 ms
Loss rate: 0.30%
```
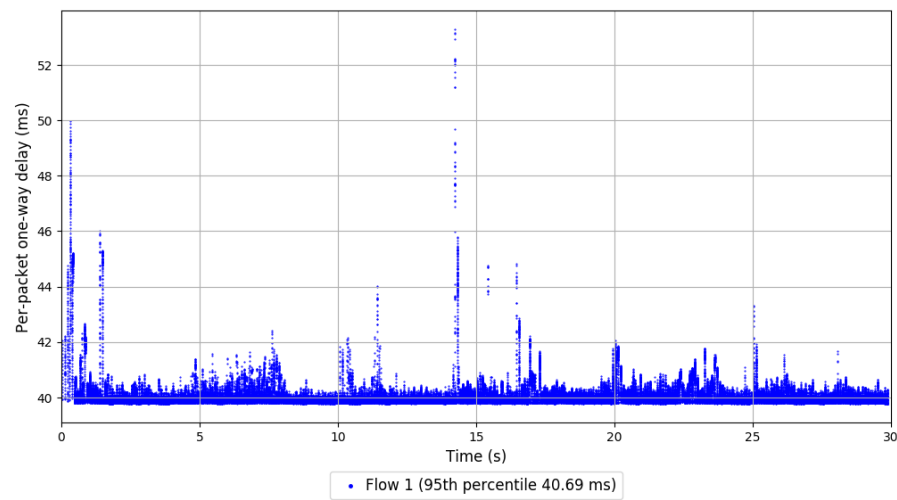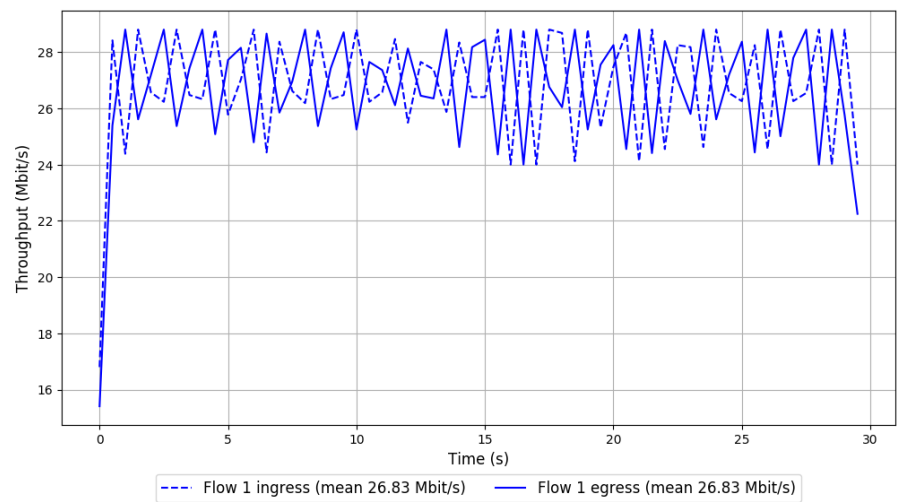
Run 6: Report of Saturator — Data Link

```
Run 7: Statistics of Saturator

Start at: Tue, 25 Jul 2017 01:56:55 +0000
End at: Tue, 25 Jul 2017 01:57:25 +0000
Local clock offset: 0.808 ms
Remote clock offset: -3.565 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 40.694 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 26.83 Mbit/s
95th percentile per-packet one-way delay: 40.694 ms
Loss rate: 0.30%
```
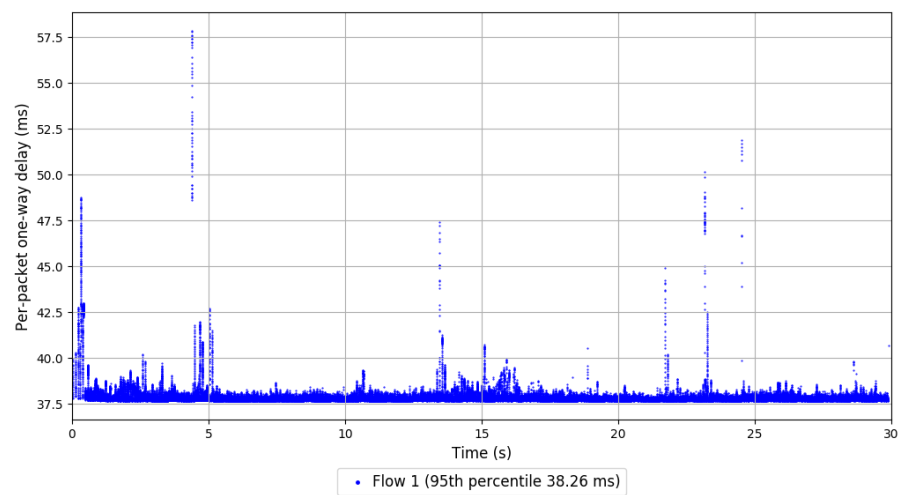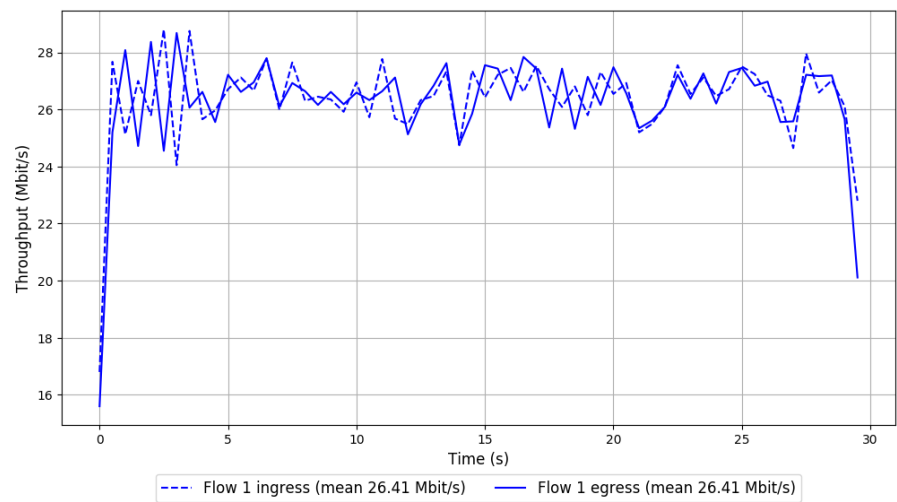
Run 7: Report of Saturator — Data Link

```
Run 8: Statistics of Saturator

Start at: Tue, 25 Jul 2017 02:17:28 +0000
End at: Tue, 25 Jul 2017 02:17:58 +0000
Local clock offset: 0.825 ms
Remote clock offset: -1.393 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 38.263 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 38.263 ms
Loss rate: 0.30%
```
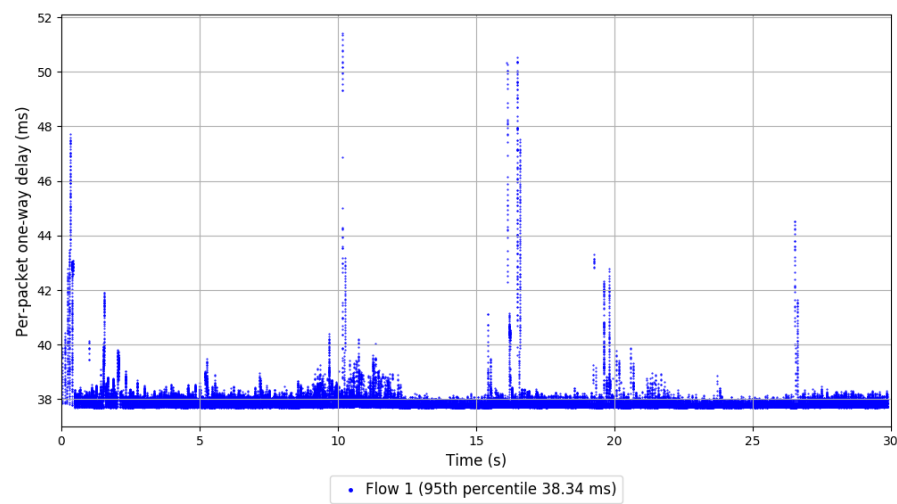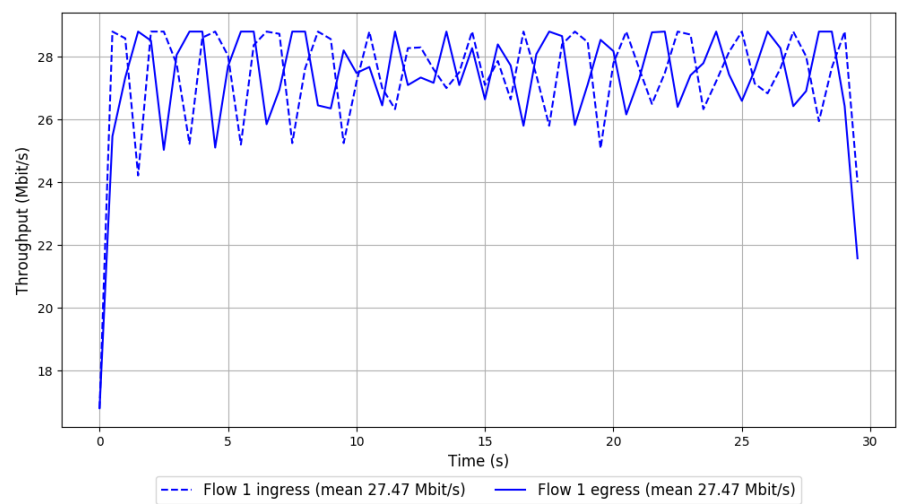
Run 8: Report of Saturator — Data Link

```
Run 9: Statistics of Saturator

Start at: Tue, 25 Jul 2017 02:37:51 +0000
End at: Tue, 25 Jul 2017 02:38:21 +0000
Local clock offset: 0.934 ms
Remote clock offset: -1.221 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 38.345 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 27.47 Mbit/s
95th percentile per-packet one-way delay: 38.345 ms
Loss rate: 0.29%
```

Run 9: Report of Saturator — Data Link

```
Run 10: Statistics of Saturator

Start at: Tue, 25 Jul 2017 03:01:14 +0000
End at: Tue, 25 Jul 2017 03:01:44 +0000
Local clock offset: 0.844 ms
Remote clock offset: -0.807 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 38.156 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 38.156 ms
Loss rate: 0.30%
```
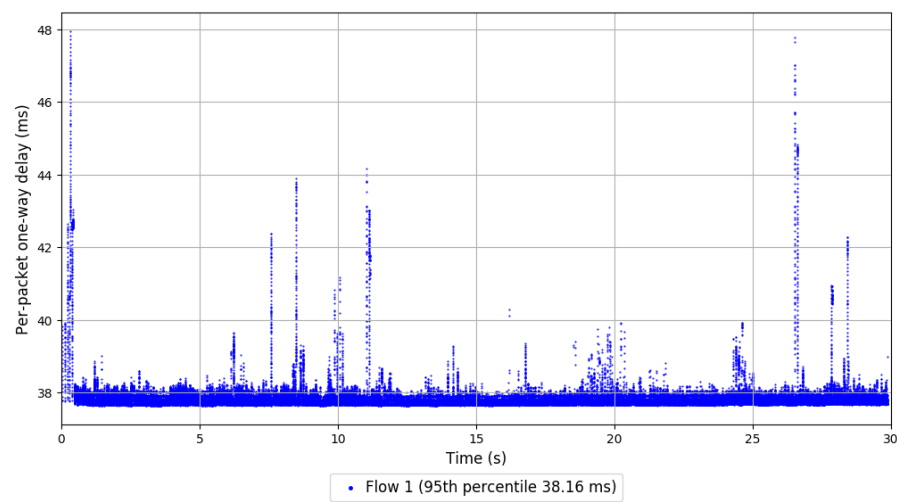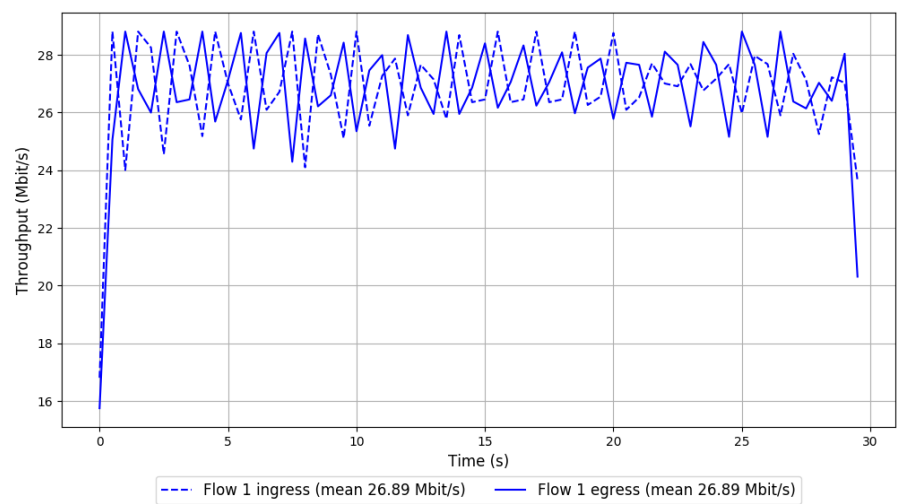
Run 10: Report of Saturator — Data Link

```
Run 1: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 23:51:37 +0000
End at: Mon, 24 Jul 2017 23:52:07 +0000
Local clock offset: 0.114 ms
Remote clock offset: -5.13 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.941 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.941 ms
Loss rate: 0.26%
```
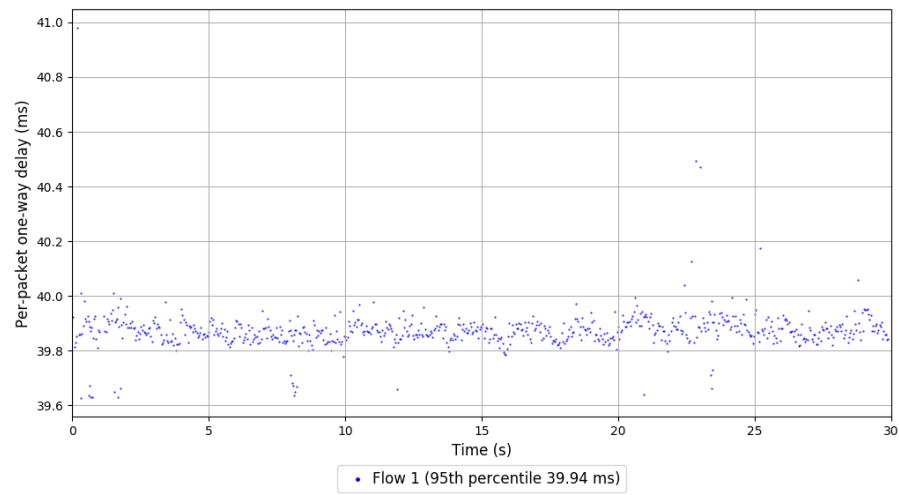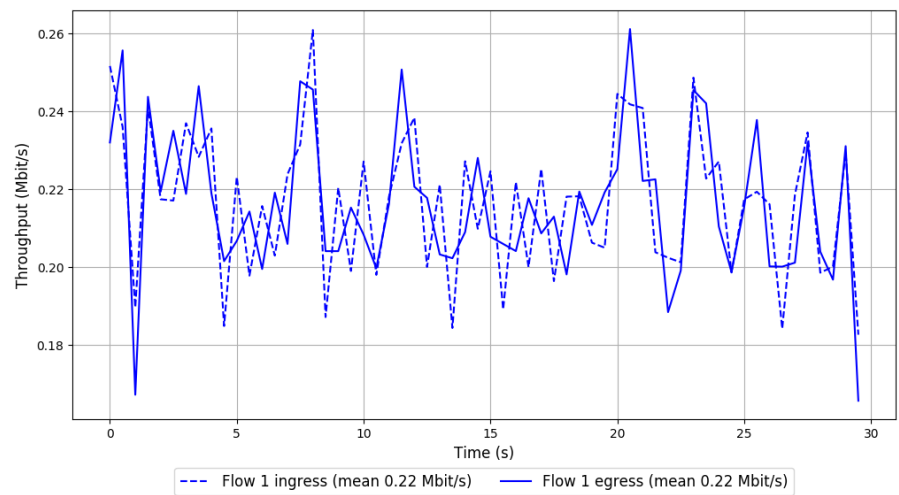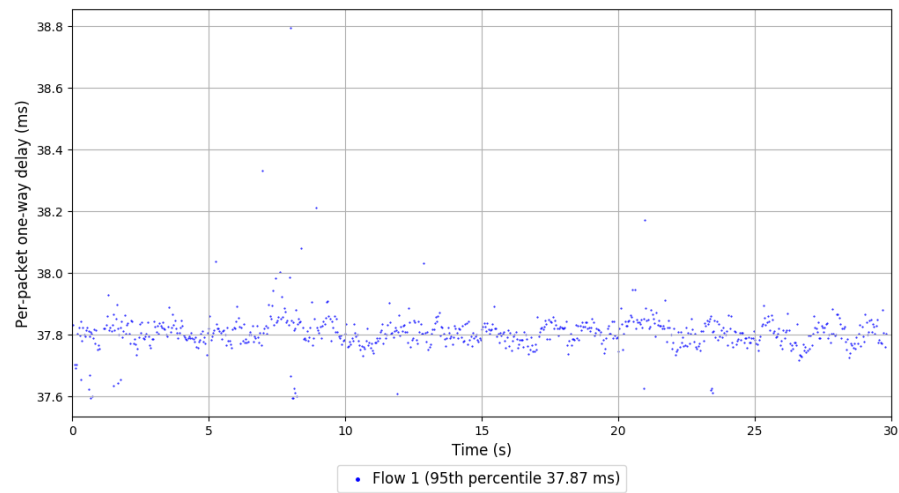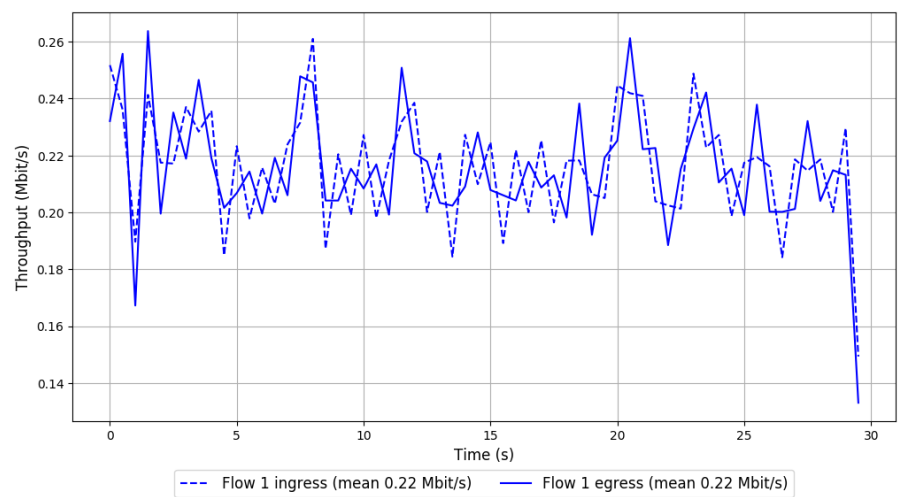
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 00:11:53 +0000
End at: Tue, 25 Jul 2017 00:12:23 +0000
Local clock offset: 0.073 ms
Remote clock offset: -2.865 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.870 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.870 ms
Loss rate: 0.25%
```
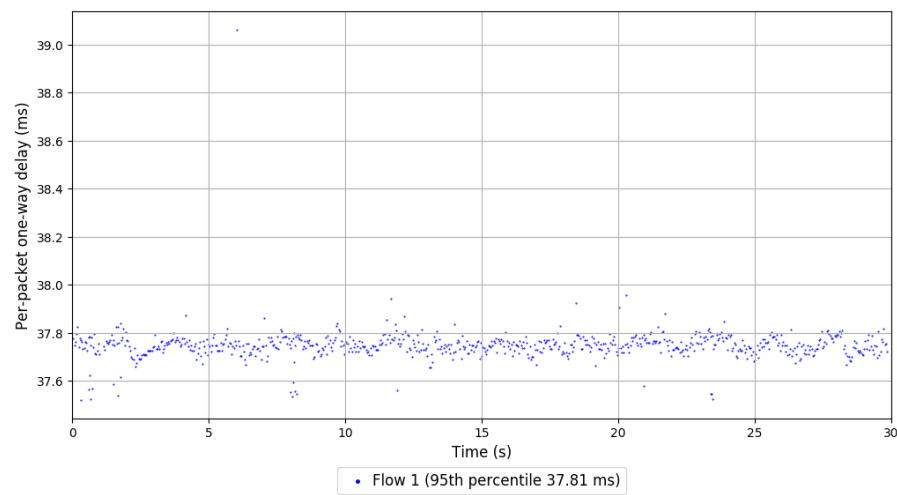
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 00:34:27 +0000
End at: Tue, 25 Jul 2017 00:34:57 +0000
Local clock offset: 0.331 ms
Remote clock offset: -2.698 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.807 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.807 ms
Loss rate: 0.25%
```
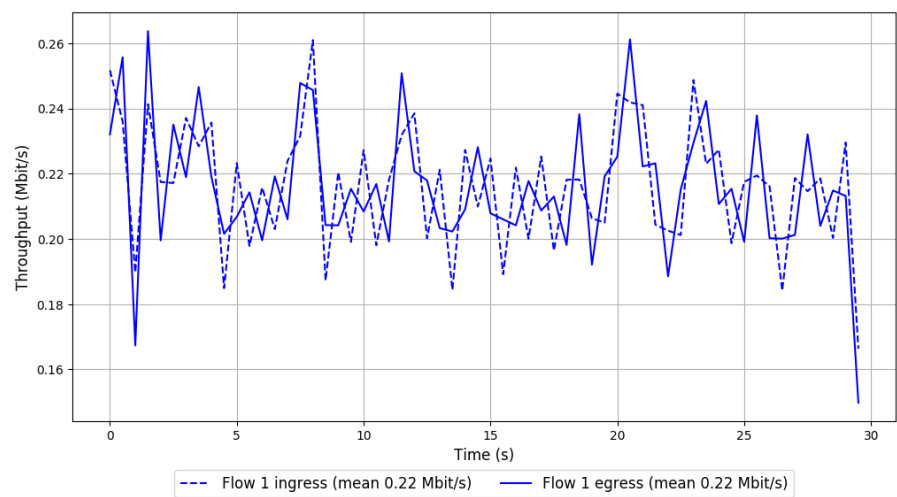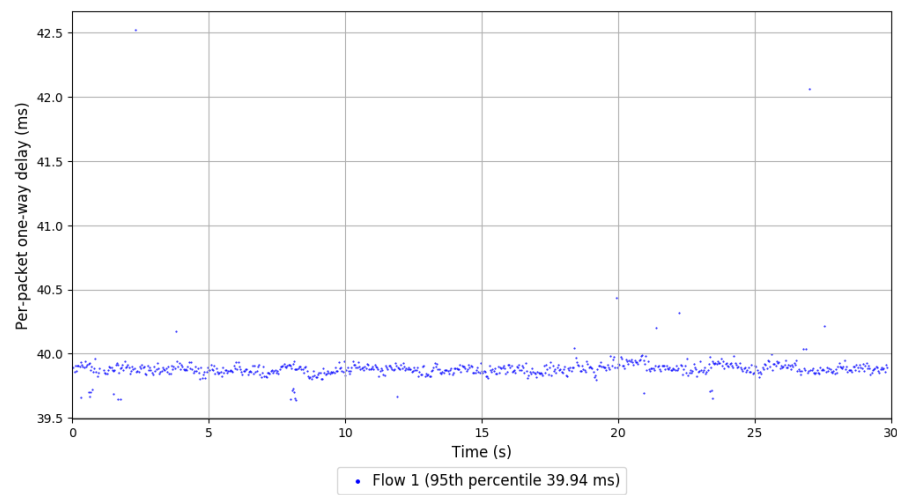
Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 00:56:41 +0000
End at: Tue, 25 Jul 2017 00:57:11 +0000
Local clock offset: 0.396 ms
Remote clock offset: -4.731 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.942 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.942 ms
Loss rate: 0.25%
```
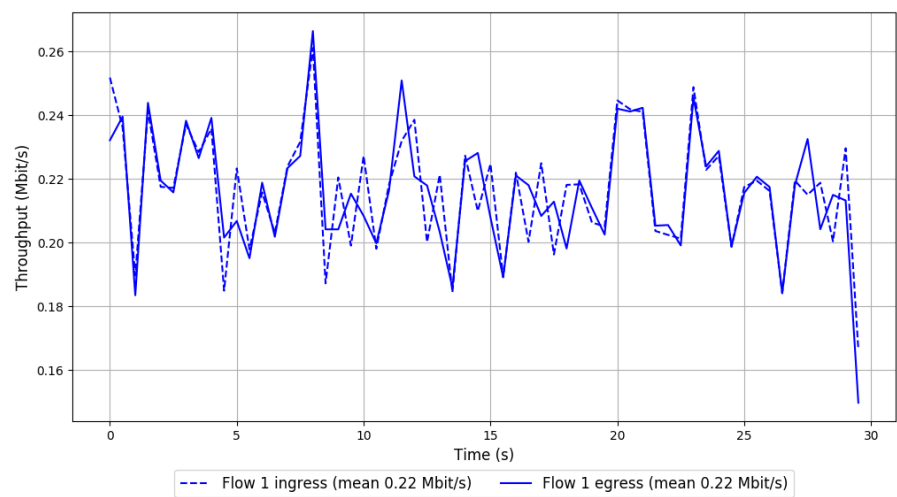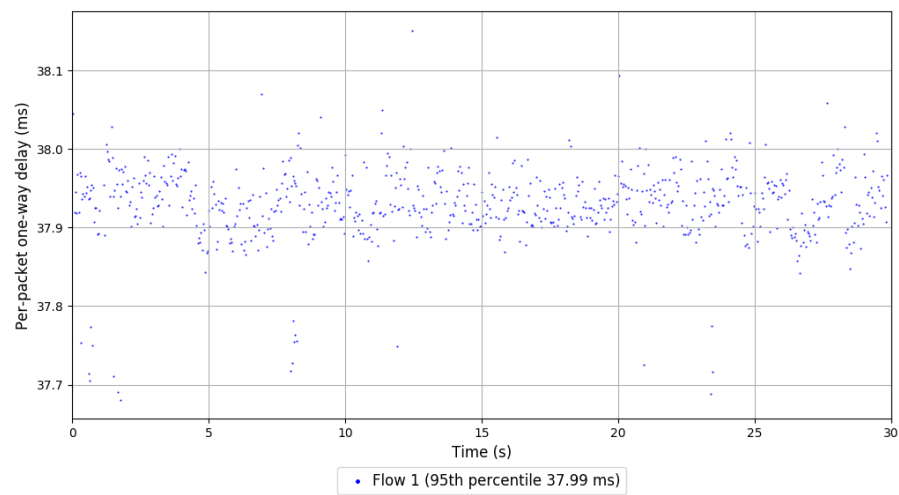
Run 4: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 39.94 ms)

```
Run 5: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 01:17:30 +0000
End at: Tue, 25 Jul 2017 01:18:00 +0000
Local clock offset: 0.598 ms
Remote clock offset: -2.498 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.992 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.992 ms
Loss rate: 0.25%
```
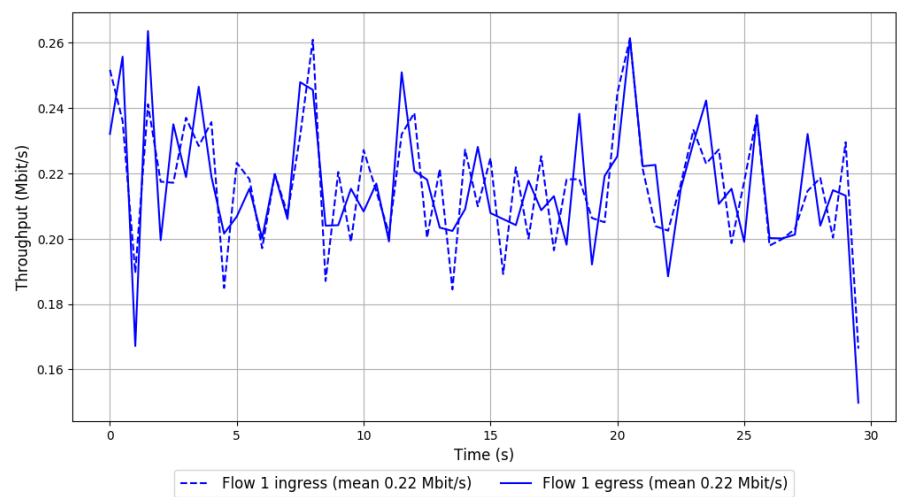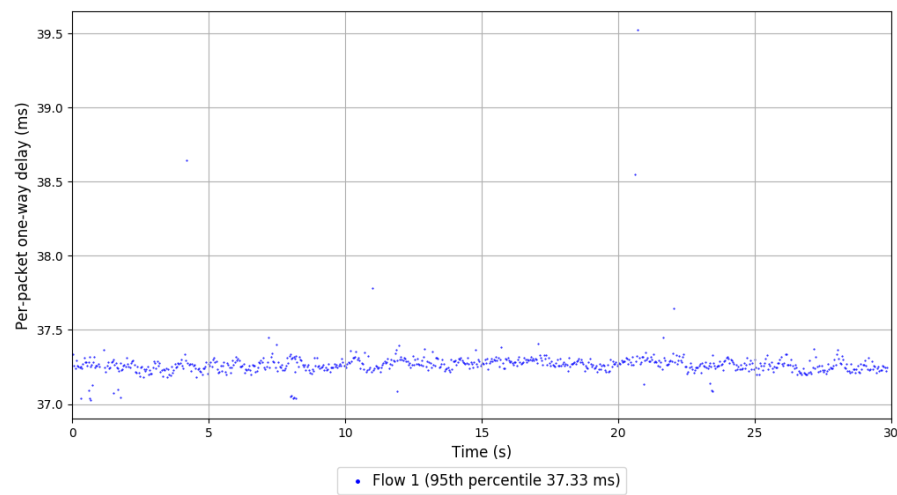
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 01:37:49 +0000
End at: Tue, 25 Jul 2017 01:38:19 +0000
Local clock offset: 0.615 ms
Remote clock offset: -1.355 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.330 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.330 ms
Loss rate: 0.25%
```
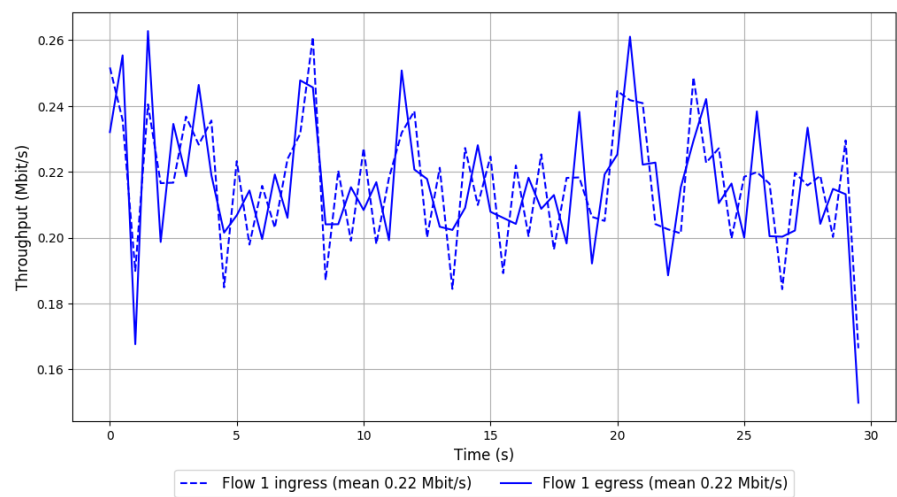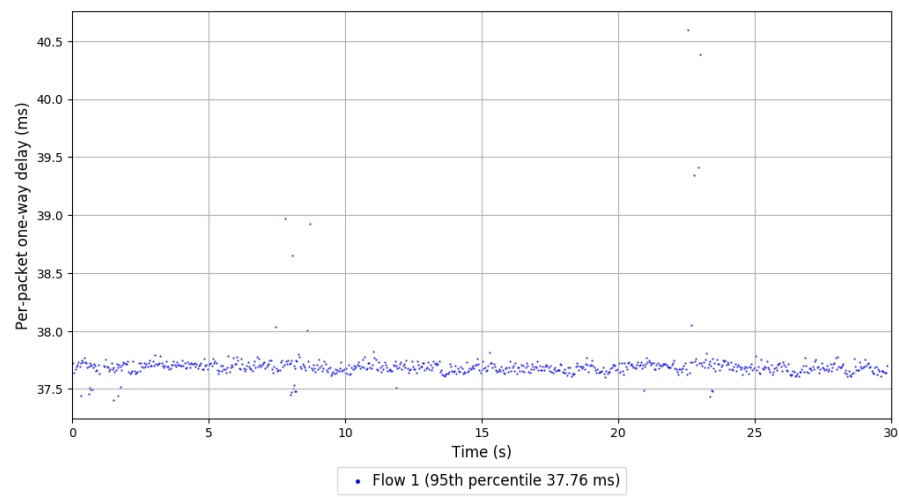
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 37.33 ms)

```
Run 7: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 01:58:15 +0000
End at: Tue, 25 Jul 2017 01:58:45 +0000
Local clock offset: 0.73 ms
Remote clock offset: -1.465 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.757 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.757 ms
Loss rate: 0.25%
```
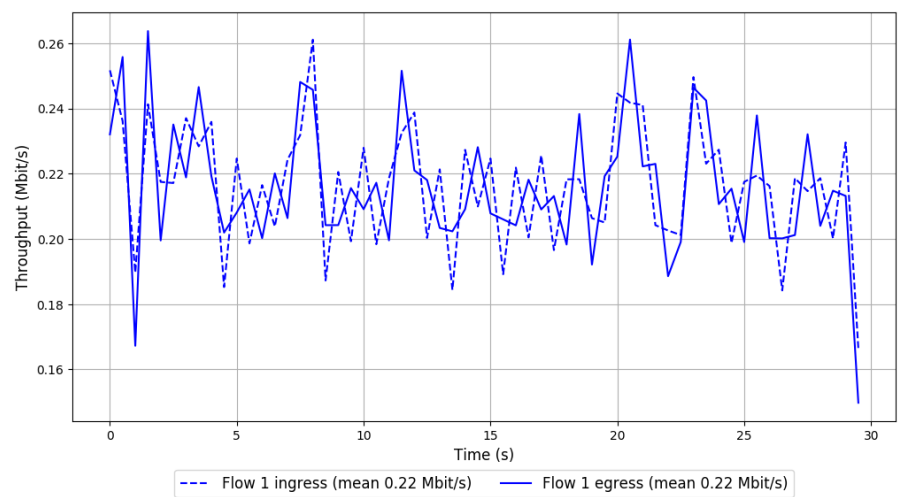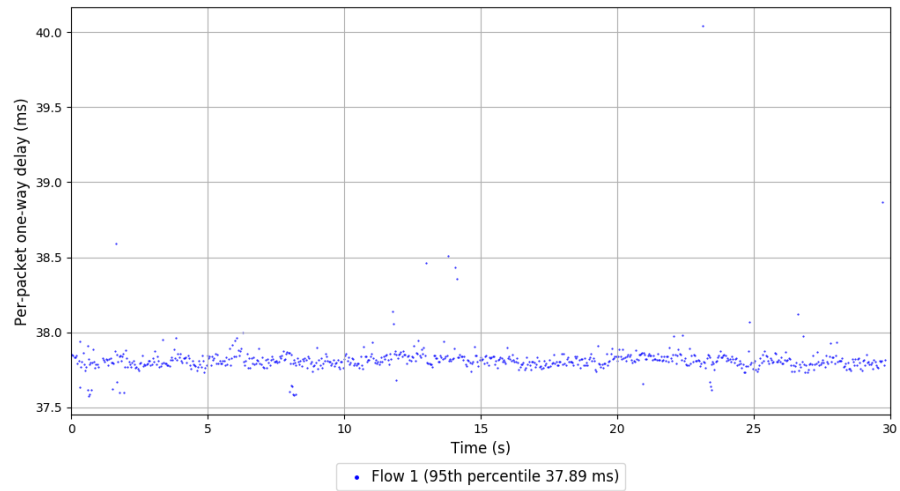
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 02:18:49 +0000
End at: Tue, 25 Jul 2017 02:19:19 +0000
Local clock offset: 0.907 ms
Remote clock offset: -1.352 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.889 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.889 ms
Loss rate: 0.25%
```
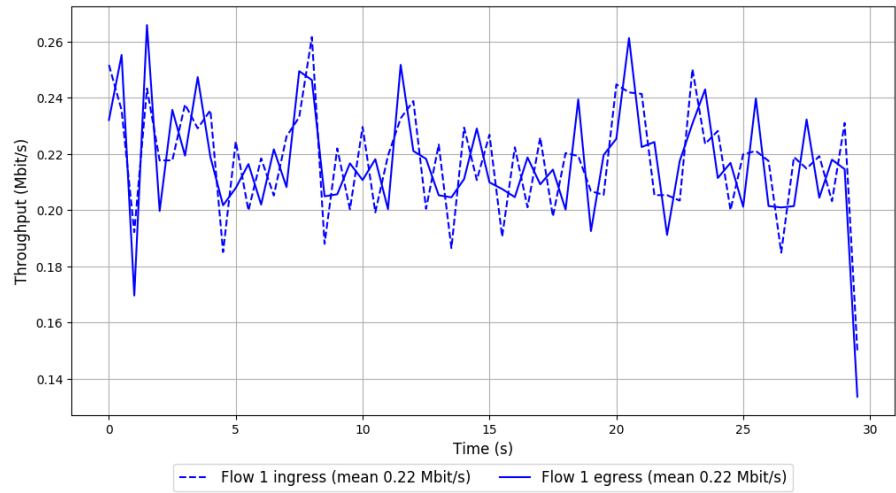
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 02:39:10 +0000
End at: Tue, 25 Jul 2017 02:39:40 +0000
Local clock offset: 0.84 ms
Remote clock offset: -1.223 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.803 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.803 ms
Loss rate: 0.25%
```
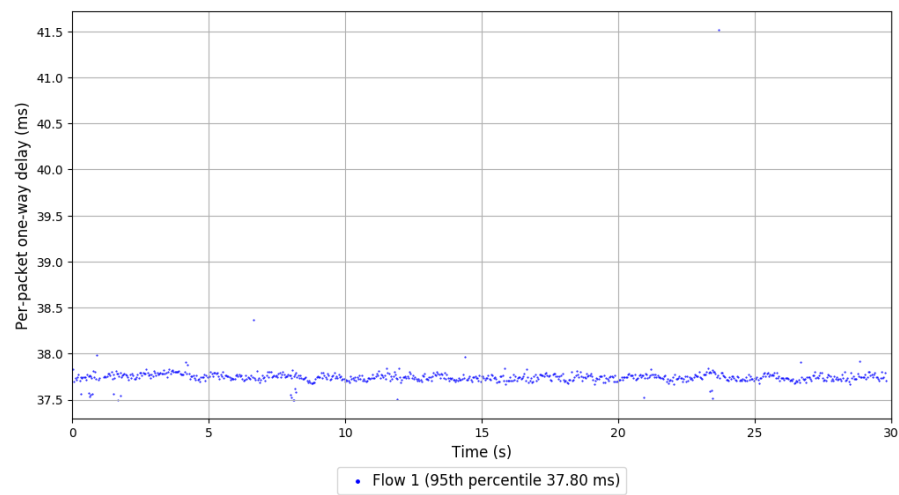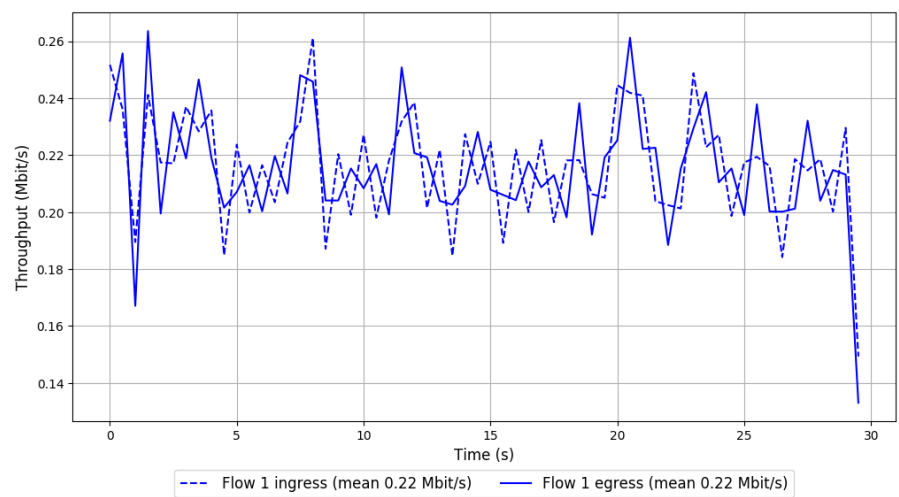
Run 9: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 37.80 ms)

```
Run 10: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 03:02:37 +0000
End at: Tue, 25 Jul 2017 03:03:07 +0000
Local clock offset: 0.883 ms
Remote clock offset: -2.887 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.044 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.044 ms
Loss rate: 0.25%
```
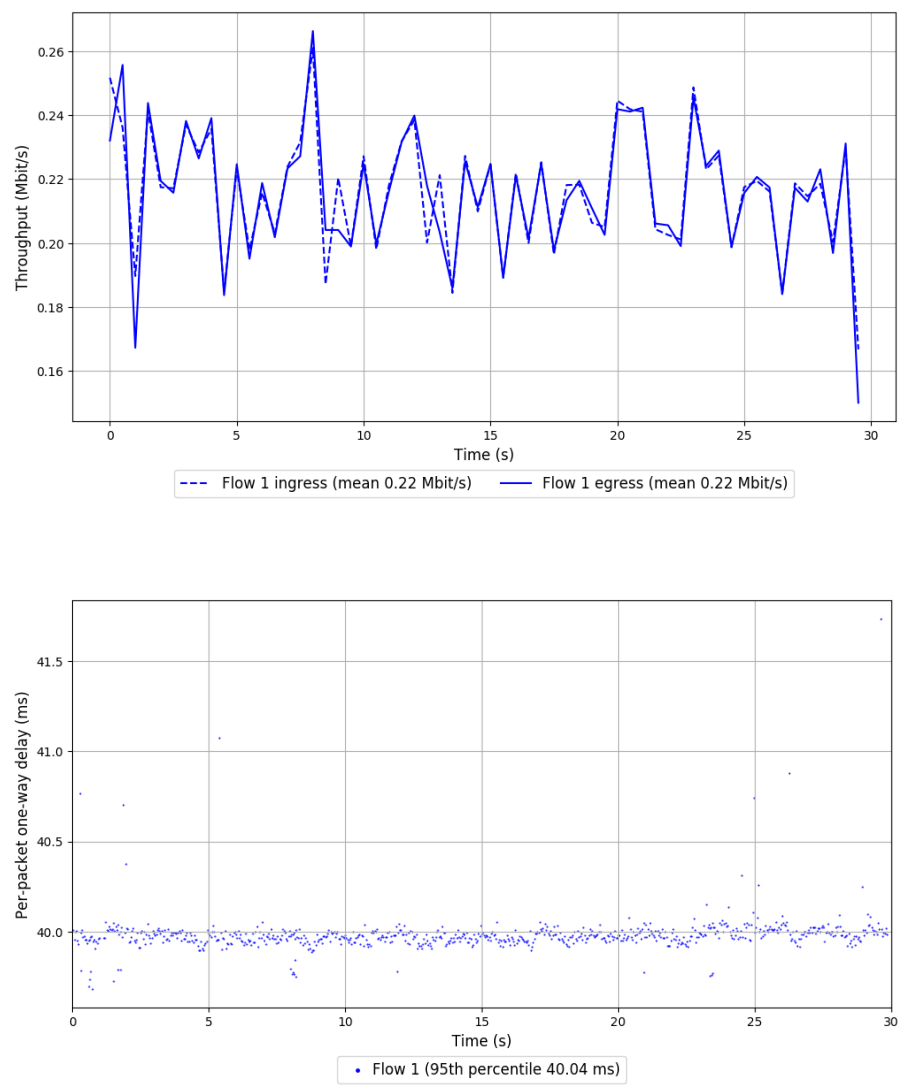
Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of Sprout

Start at: Mon, 24 Jul 2017 23:37:34 +0000
End at: Mon, 24 Jul 2017 23:38:04 +0000
Local clock offset: 0.217 ms
Remote clock offset: -4.935 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 45.571 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 45.571 ms
Loss rate: 0.35%
```
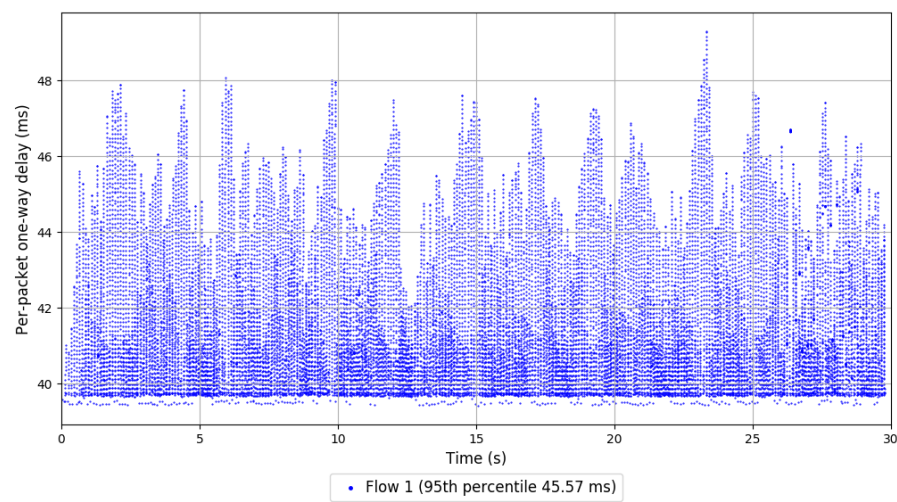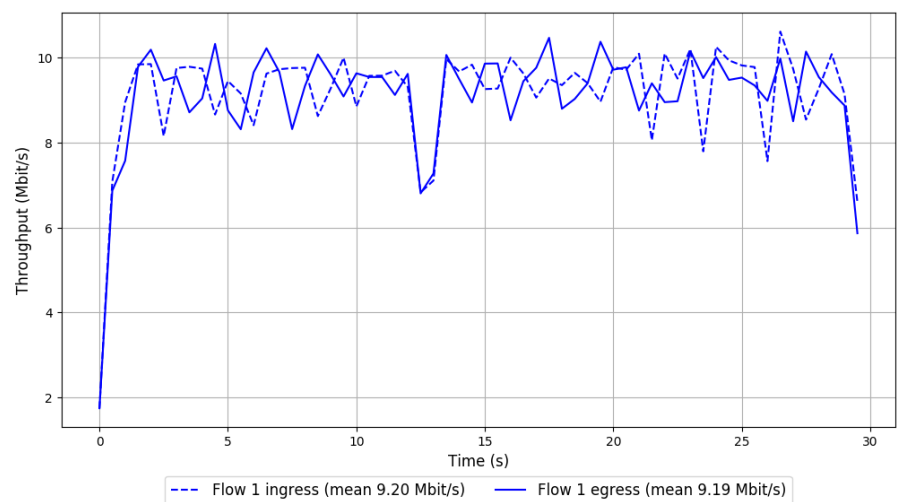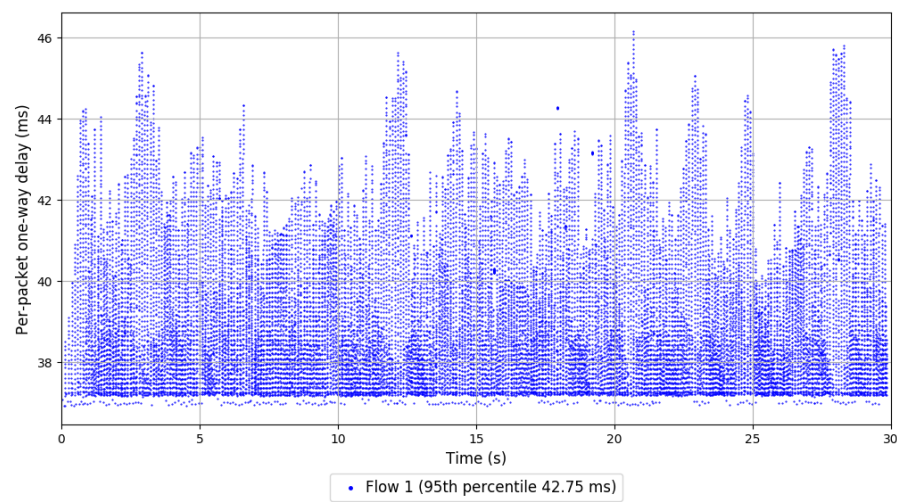
Run 1: Report of Sprout — Data Link

```
Run 2: Statistics of Sprout

Start at: Mon, 24 Jul 2017 23:58:17 +0000
End at: Mon, 24 Jul 2017 23:58:47 +0000
Local clock offset: 0.086 ms
Remote clock offset: -2.401 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 42.754 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 42.754 ms
Loss rate: 0.33%
```
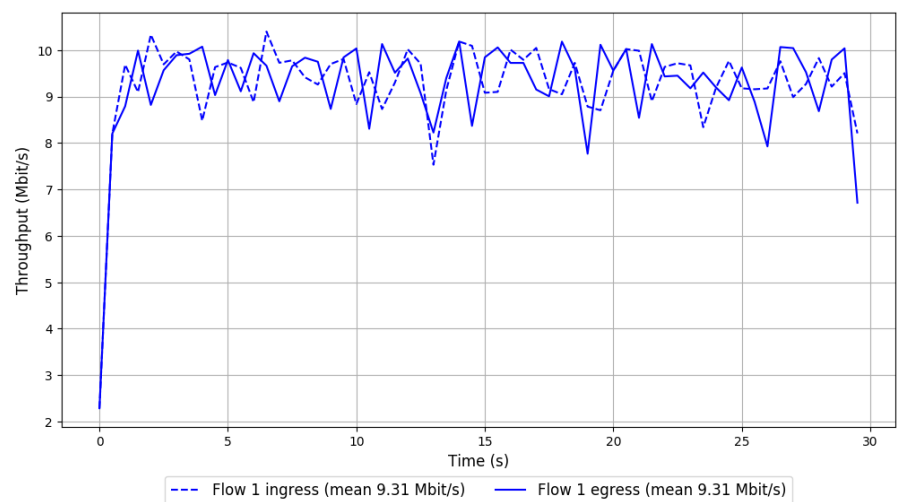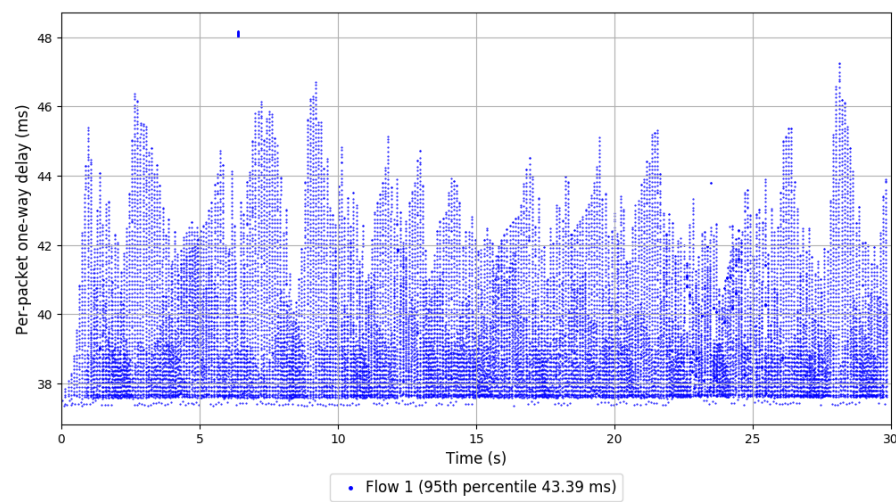
Run 2: Report of Sprout — Data Link

Flow 1 ingress (mean 9.31 Mbit/s) Flow 1 egress (mean 9.31 Mbit/s)

• Flow 1 (95th percentile 42.75 ms)

```
Run 3: Statistics of Sprout

Start at: Tue, 25 Jul 2017 00:18:37 +0000
End at: Tue, 25 Jul 2017 00:19:07 +0000
Local clock offset: 0.13 ms
Remote clock offset: -2.712 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 43.390 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 9.26 Mbit/s
95th percentile per-packet one-way delay: 43.390 ms
Loss rate: 0.35%
```
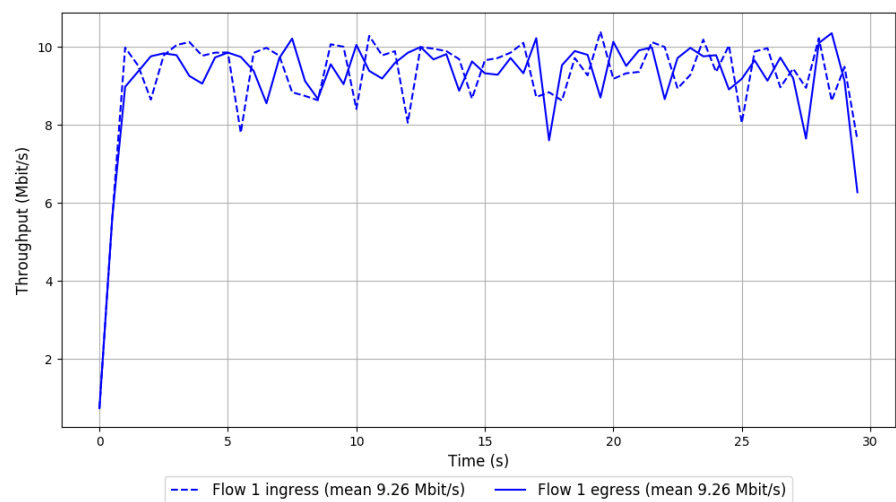
Run 3: Report of Sprout — Data Link
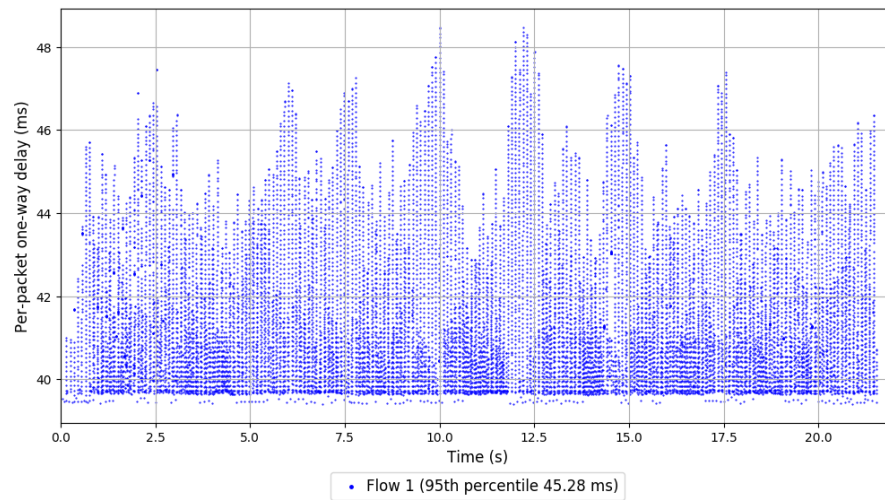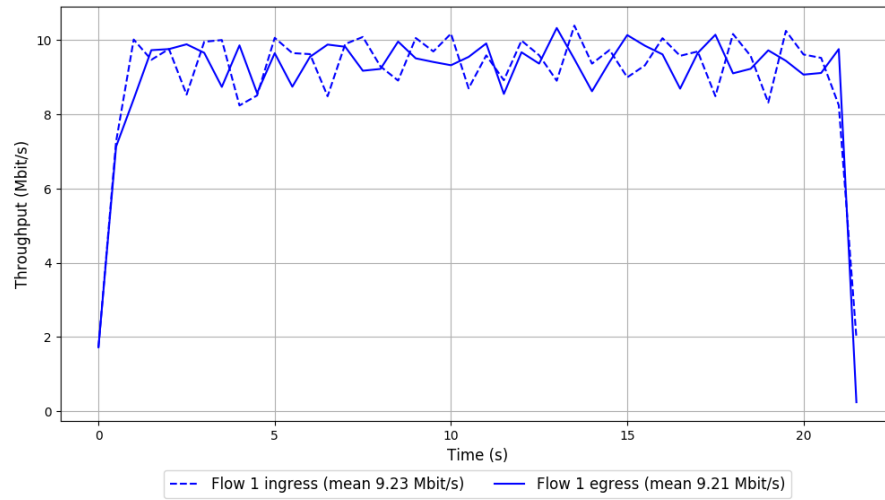
```
Run 4: Statistics of Sprout

Start at: Tue, 25 Jul 2017 00:41:51 +0000
End at: Tue, 25 Jul 2017 00:42:21 +0000
Local clock offset: 0.24 ms
Remote clock offset: -4.789 ms
```

Run 4: Report of Sprout — Data Link

```
Run 5: Statistics of Sprout

Start at: Tue, 25 Jul 2017 01:03:25 +0000
End at: Tue, 25 Jul 2017 01:03:55 +0000
Local clock offset: 0.344 ms
Remote clock offset: -2.156 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 43.258 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 43.258 ms
Loss rate: 0.29%
```
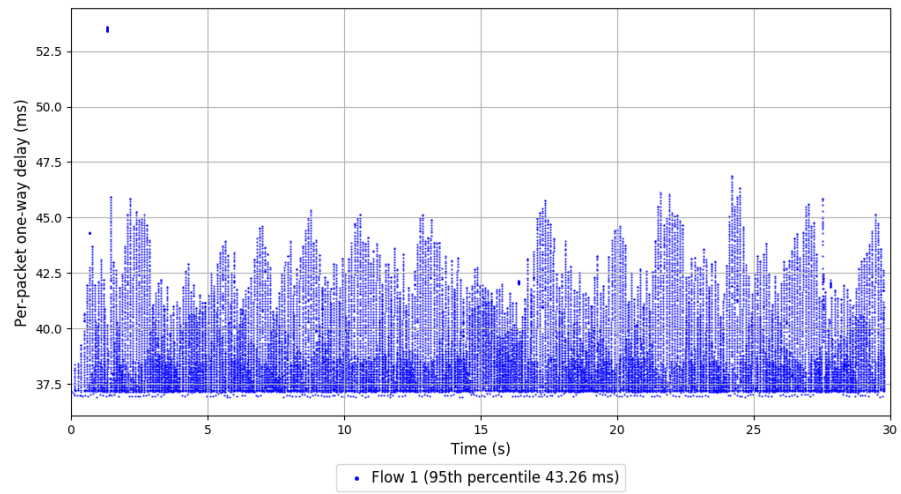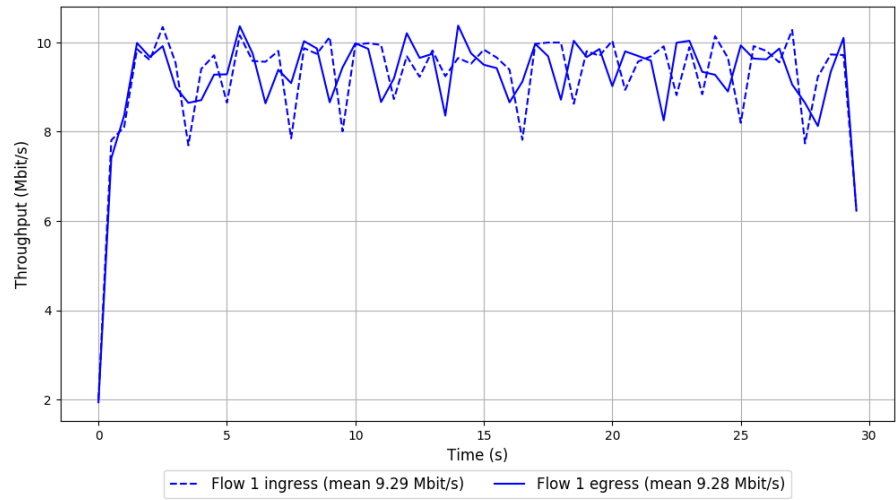
Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: Tue, 25 Jul 2017 01:24:06 +0000
End at: Tue, 25 Jul 2017 01:24:36 +0000
Local clock offset: 0.645 ms
Remote clock offset: -4.225 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 45.896 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 45.896 ms
Loss rate: 0.35%
```
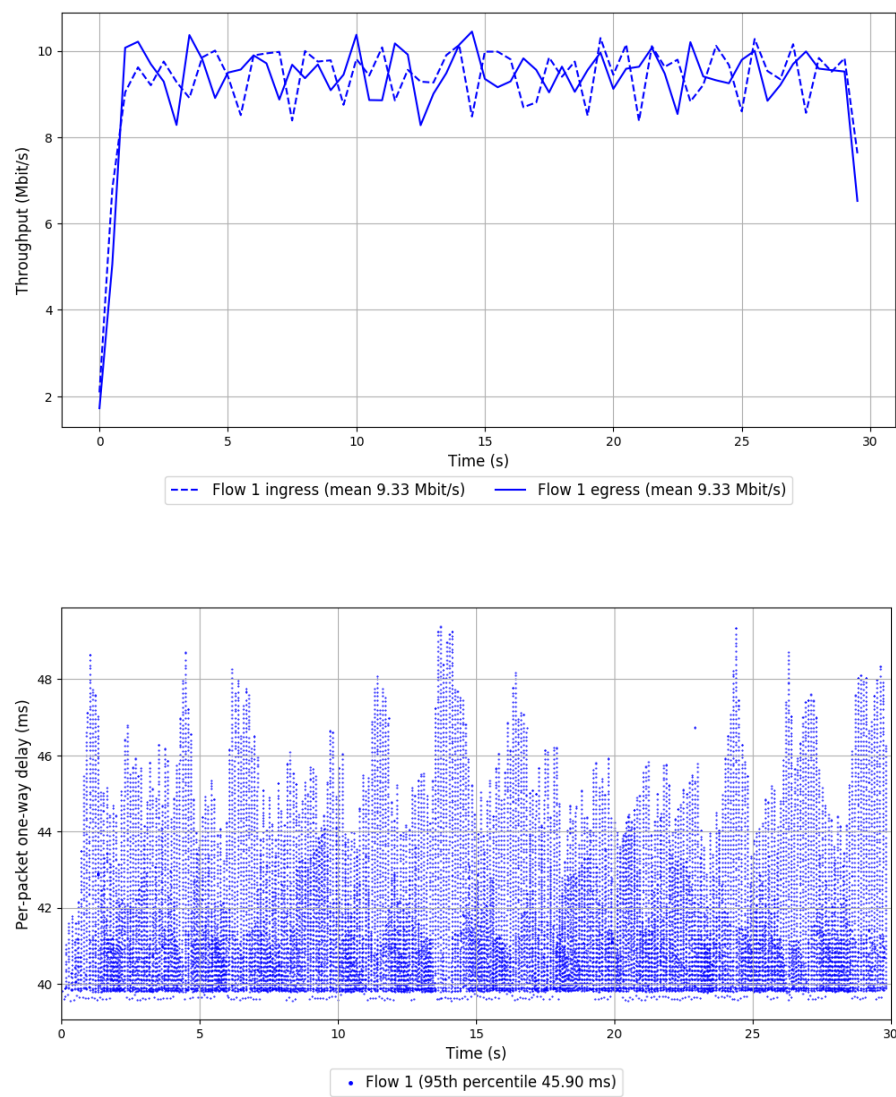
Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: Tue, 25 Jul 2017 01:44:29 +0000
End at: Tue, 25 Jul 2017 01:44:59 +0000
Local clock offset: 0.646 ms
Remote clock offset: -1.167 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 43.026 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 43.026 ms
Loss rate: 0.22%
```
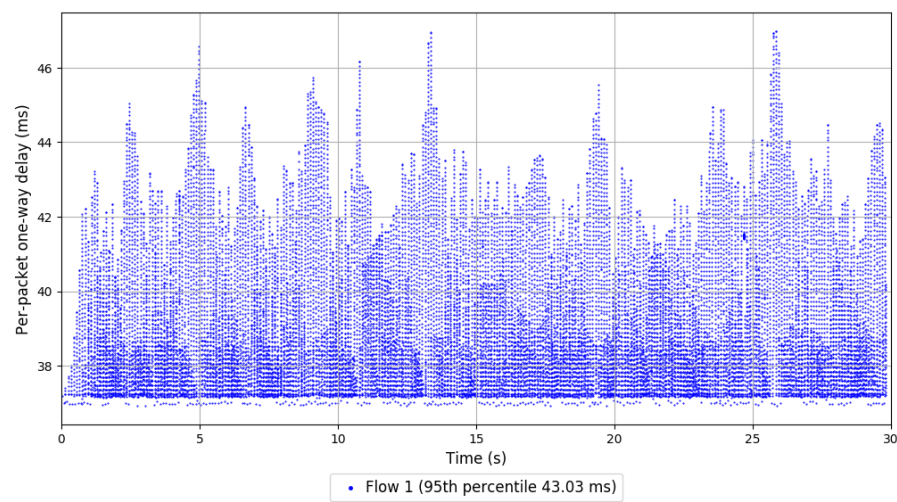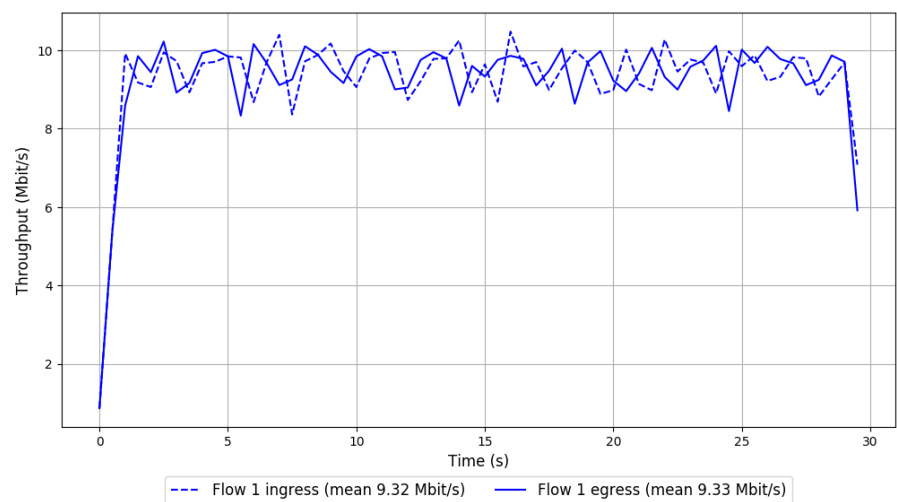
Run 7: Report of Sprout — Data Link

Flow 1 ingress (mean 9.32 Mbit/s)   Flow 1 egress (mean 9.33 Mbit/s)

Flow 1 (95th percentile 43.03 ms)

```
Run 8: Statistics of Sprout

Start at: Tue, 25 Jul 2017 02:04:54 +0000
End at: Tue, 25 Jul 2017 02:05:24 +0000
Local clock offset: 0.897 ms
Remote clock offset: -1.394 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 42.647 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 9.12 Mbit/s
95th percentile per-packet one-way delay: 42.647 ms
Loss rate: 0.36%
```
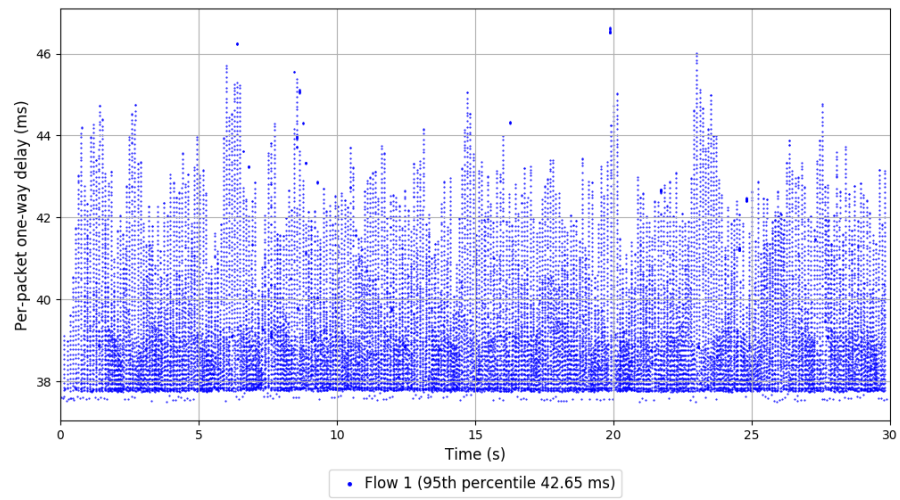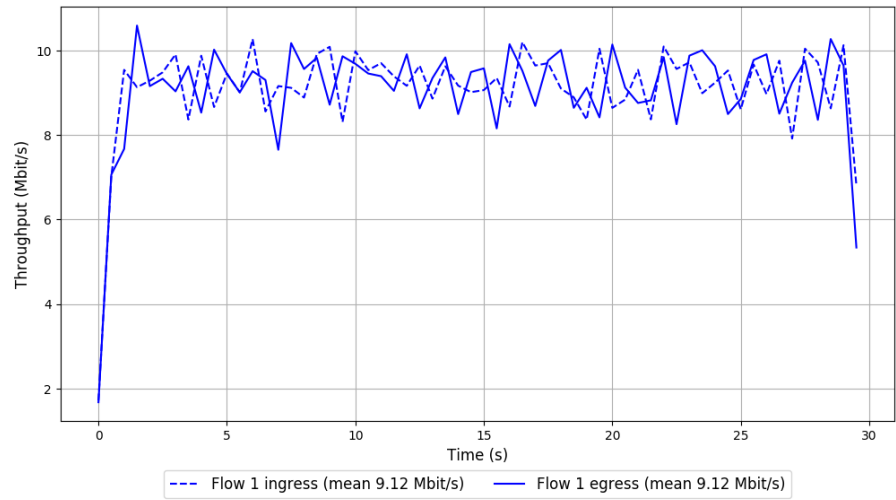
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: Tue, 25 Jul 2017 02:25:26 +0000
End at: Tue, 25 Jul 2017 02:25:56 +0000
Local clock offset: 0.924 ms
Remote clock offset: -0.873 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.07 Mbit/s
95th percentile per-packet one-way delay: 42.612 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 9.07 Mbit/s
95th percentile per-packet one-way delay: 42.612 ms
Loss rate: 0.32%
```
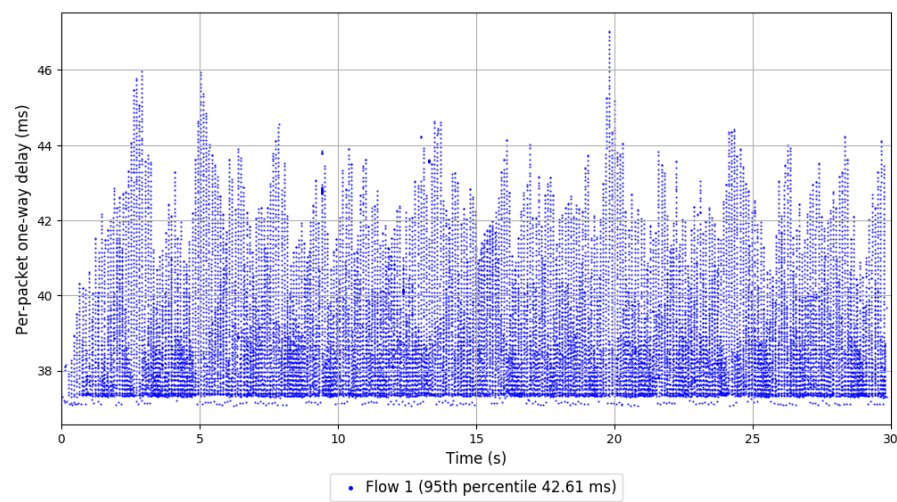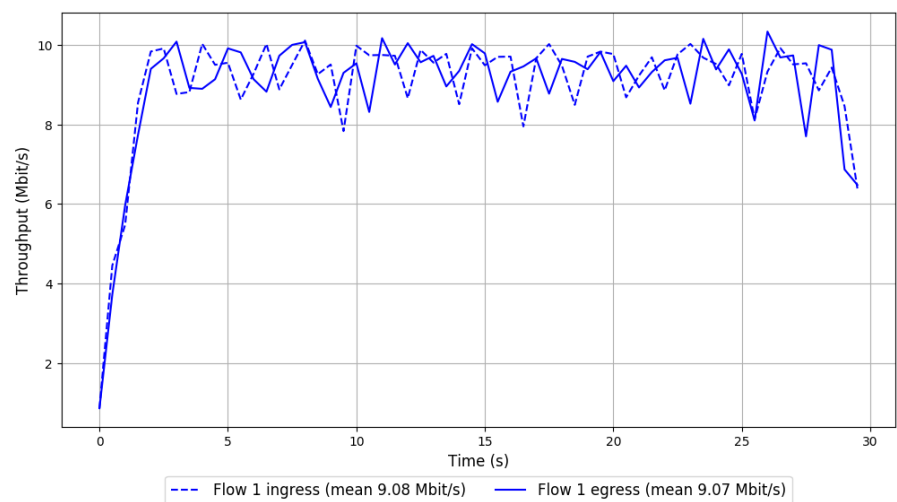
Run 9: Report of Sprout — Data Link

Flow 1 ingress (mean 9.08 Mbit/s)   Flow 1 egress (mean 9.07 Mbit/s)

Flow 1 (95th percentile 42.61 ms)

```
Run 10: Statistics of Sprout

Start at: Tue, 25 Jul 2017 02:46:00 +0000
End at: Tue, 25 Jul 2017 02:46:30 +0000
Local clock offset: 0.811 ms
Remote clock offset: -1.222 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 43.580 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 9.37 Mbit/s
95th percentile per-packet one-way delay: 43.580 ms
Loss rate: 0.34%
```
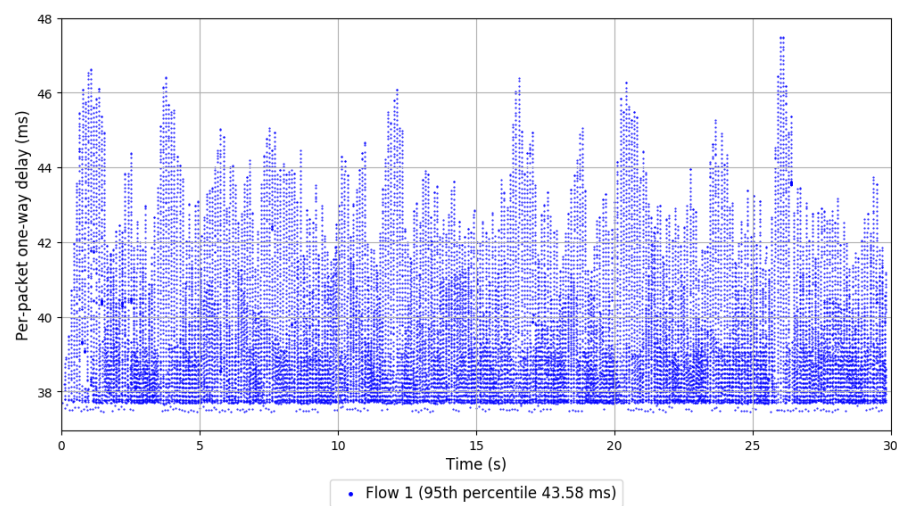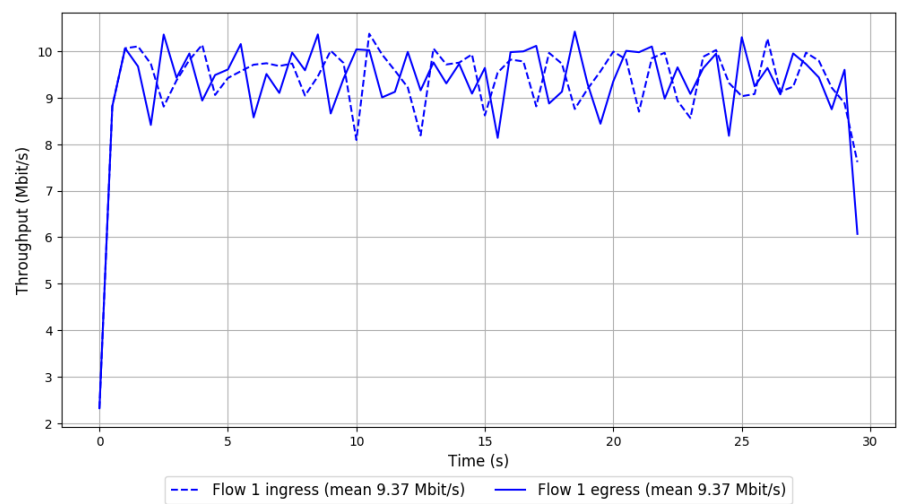
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 9.37 Mbit/s) --- Flow 1 egress (mean 9.37 Mbit/s)

Flow 1 (95th percentile 43.58 ms)

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

Start at: Mon, 24 Jul 2017 23:40:09 +0000
End at: Mon, 24 Jul 2017 23:40:39 +0000
Local clock offset: 0.142 ms
Remote clock offset: -3.001 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.77 Mbit/s
95th percentile per-packet one-way delay: 47.722 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 71.77 Mbit/s
95th percentile per-packet one-way delay: 47.722 ms
Loss rate: 0.47%
```
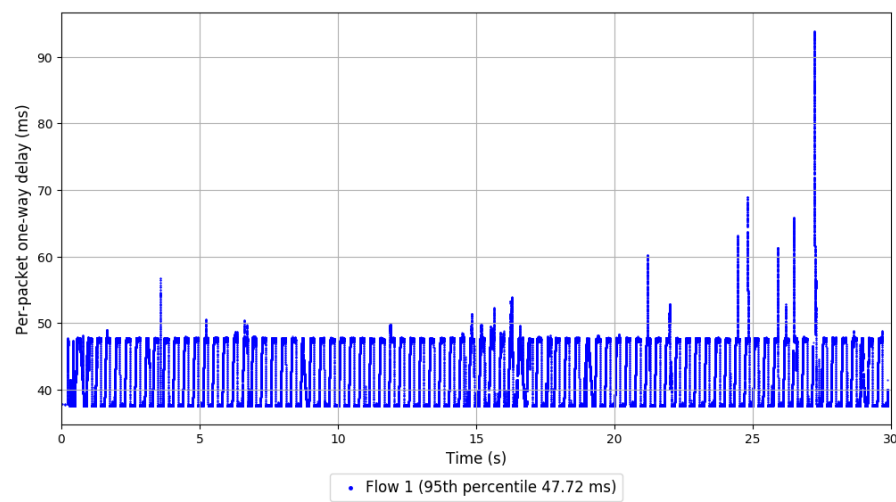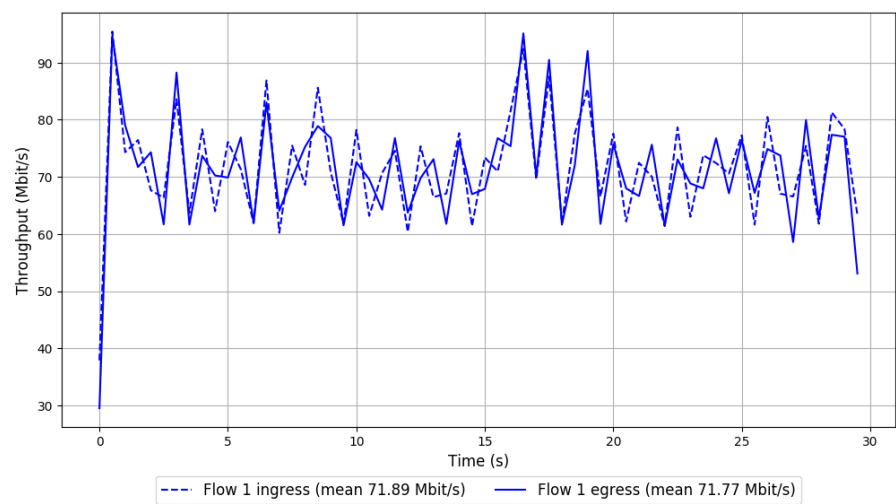
Run 1: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 71.89 Mbit/s)   Flow 1 egress (mean 71.77 Mbit/s)

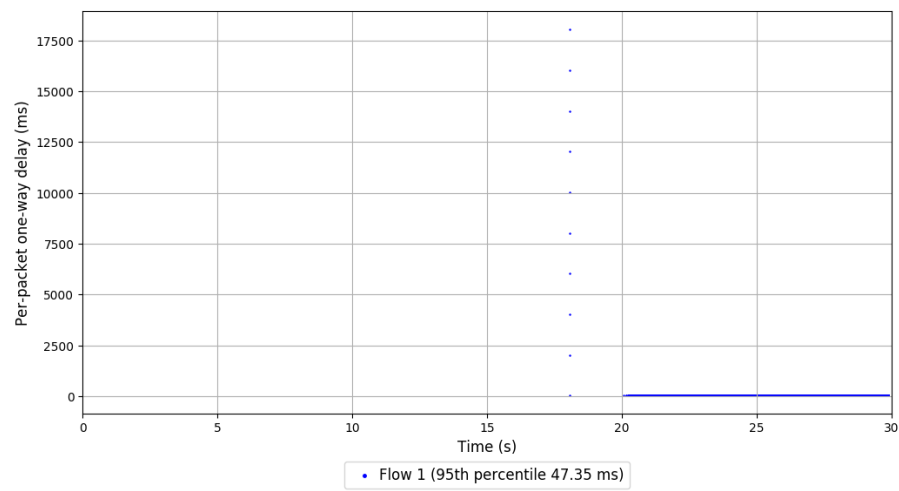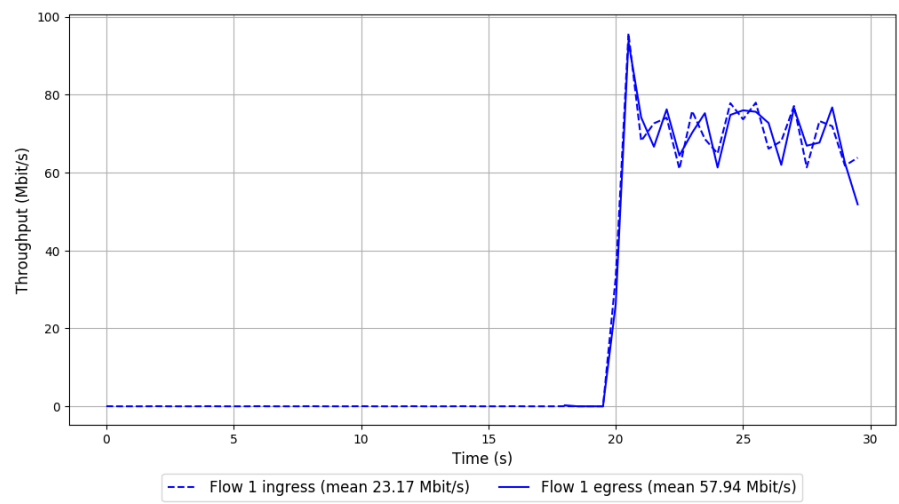Flow 1 (95th percentile 47.72 ms)

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

Start at: Tue, 25 Jul 2017 00:00:53 +0000
End at: Tue, 25 Jul 2017 00:01:23 +0000
Local clock offset: 0.181 ms
Remote clock offset: -2.346 ms
```

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

Flow 1 ingress (mean 23.17 Mbit/s)   Flow 1 egress (mean 57.94 Mbit/s)

Flow 1 (95th percentile 47.35 ms)

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

Start at: Tue, 25 Jul 2017 00:21:15 +0000
End at: Tue, 25 Jul 2017 00:21:45 +0000
Local clock offset: 0.133 ms
Remote clock offset: -2.717 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:41:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 47.929 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 70.02 Mbit/s
95th percentile per-packet one-way delay: 47.929 ms
Loss rate: 0.24%
```
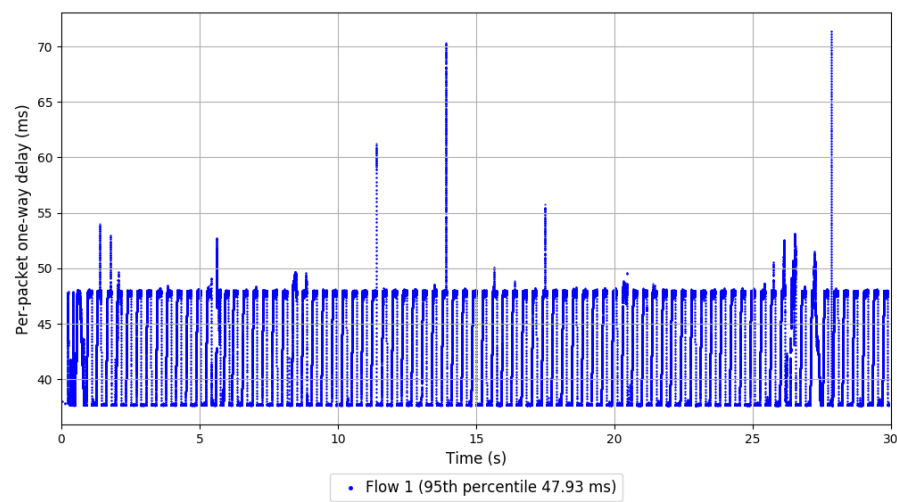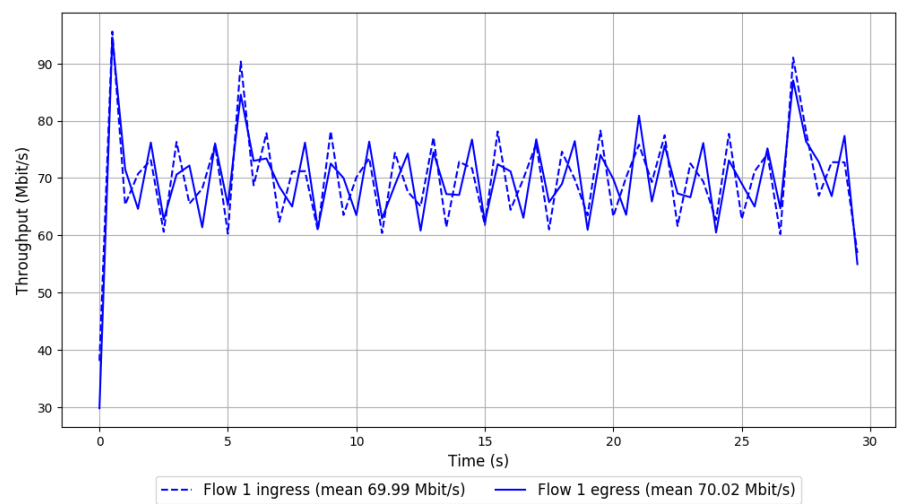
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 69.99 Mbit/s) ---- Flow 1 egress (mean 70.02 Mbit/s) ——

Flow 1 (95th percentile 47.93 ms)

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

Start at: Tue, 25 Jul 2017 00:44:30 +0000
End at: Tue, 25 Jul 2017 00:45:00 +0000
Local clock offset: 0.34 ms
Remote clock offset: -4.736 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:42:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.51 Mbit/s
95th percentile per-packet one-way delay: 49.775 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 70.51 Mbit/s
95th percentile per-packet one-way delay: 49.775 ms
Loss rate: 0.44%
```
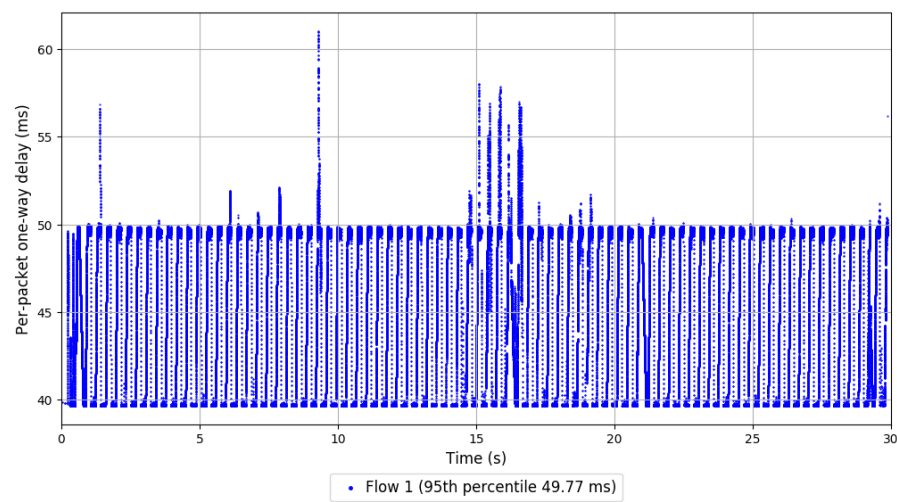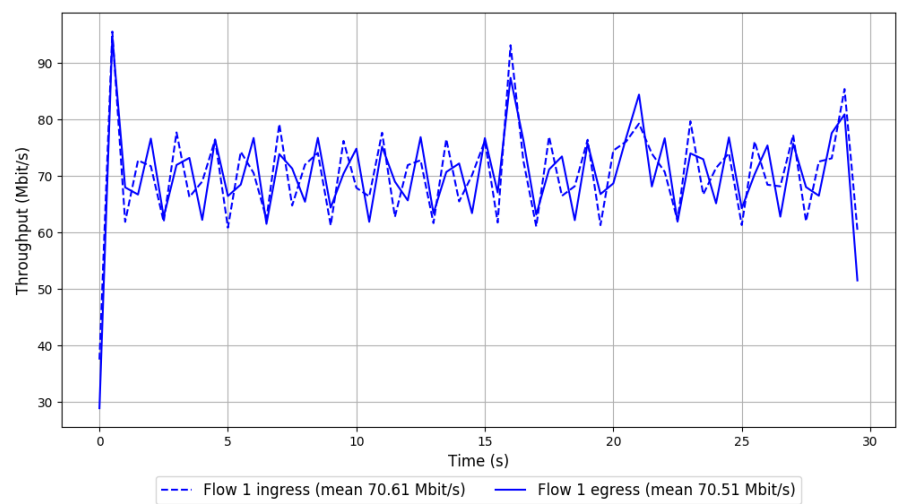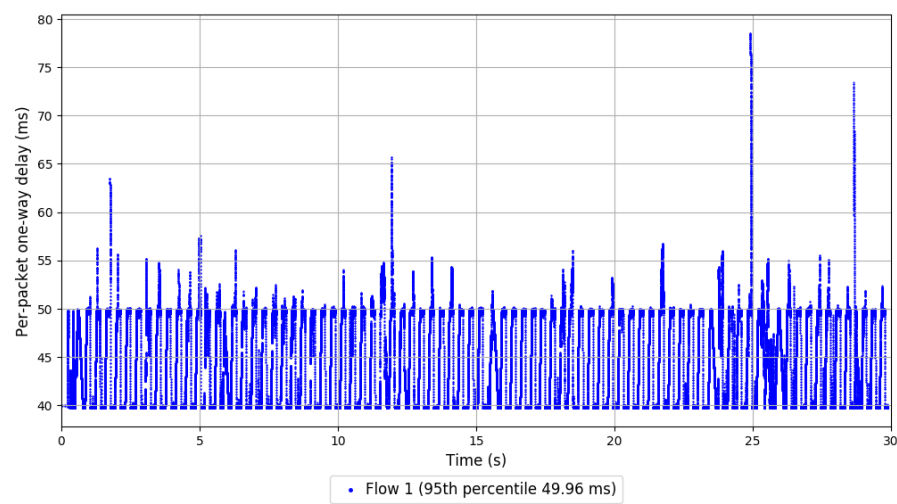
Run 4: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 70.61 Mbit/s)　　Flow 1 egress (mean 70.51 Mbit/s)

Flow 1 (95th percentile 49.77 ms)

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

Start at: Tue, 25 Jul 2017 01:06:03 +0000
End at: Tue, 25 Jul 2017 01:06:33 +0000
Local clock offset: 0.39 ms
Remote clock offset: -4.72 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:42:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.92 Mbit/s
95th percentile per-packet one-way delay: 49.959 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 72.92 Mbit/s
95th percentile per-packet one-way delay: 49.959 ms
Loss rate: 0.27%
```
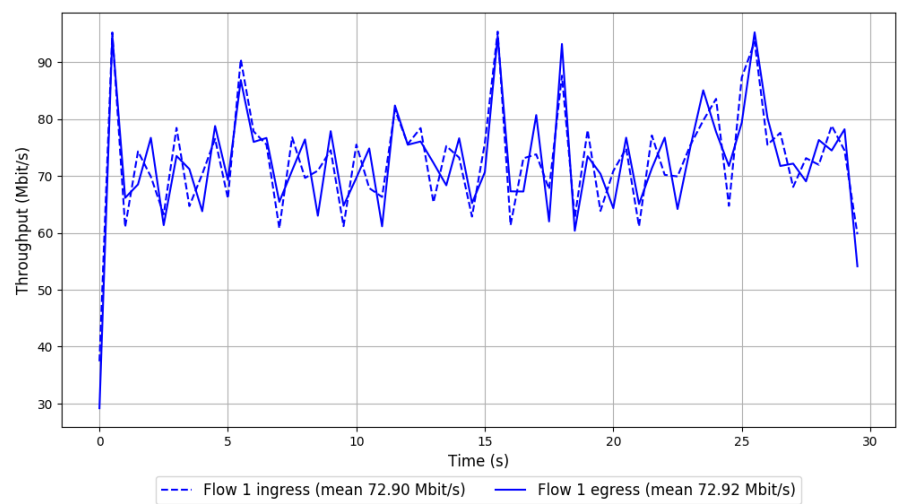
Run 5: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 72.90 Mbit/s) | Flow 1 egress (mean 72.92 Mbit/s)

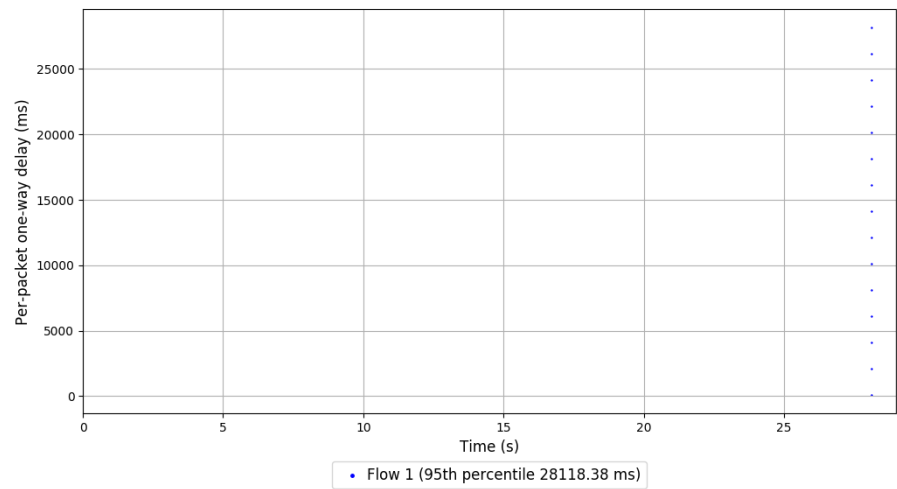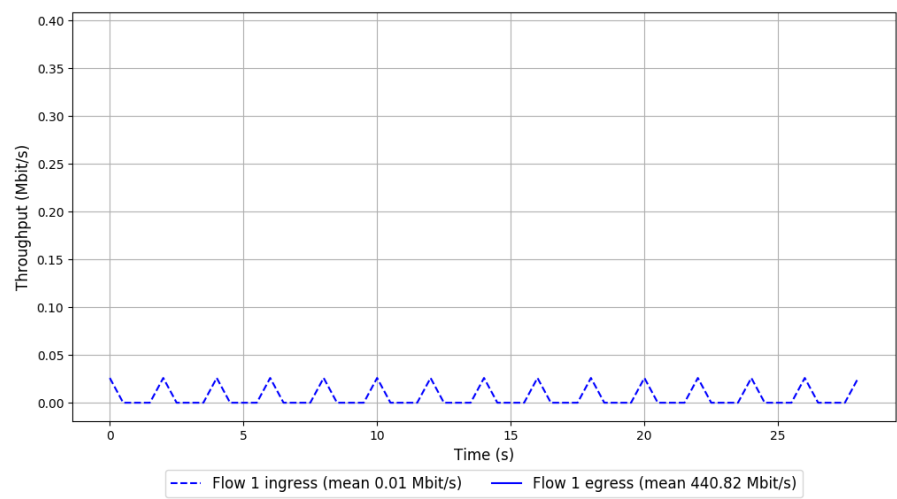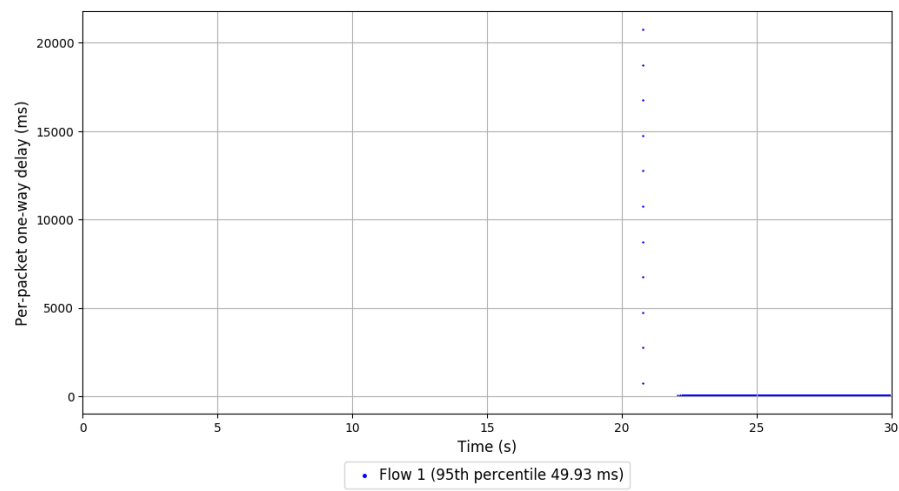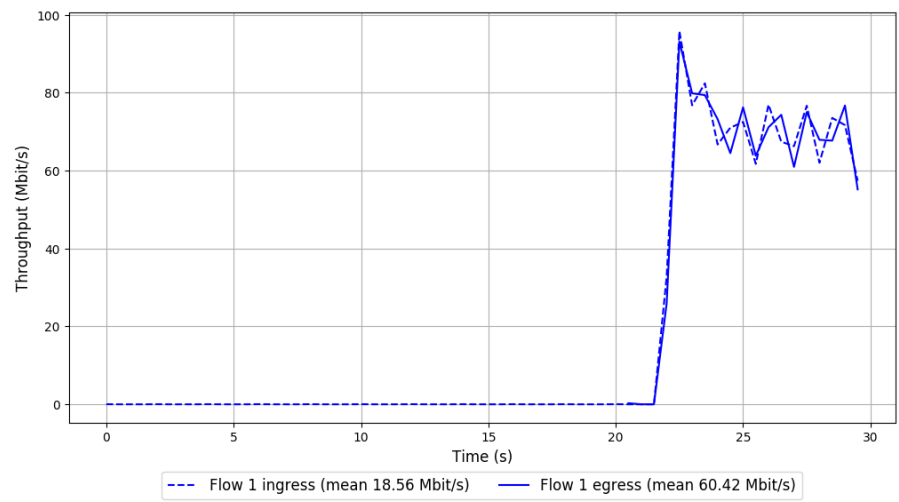Flow 1 (95th percentile 49.96 ms)

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

Start at: Tue, 25 Jul 2017 01:26:42 +0000
End at: Tue, 25 Jul 2017 01:27:12 +0000
Local clock offset: 0.681 ms
Remote clock offset: -2.029 ms
```

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

Flow 1 ingress (mean 0.01 Mbit/s)   Flow 1 egress (mean 440.82 Mbit/s)

Flow 1 (95th percentile 28118.38 ms)

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

Start at: Tue, 25 Jul 2017 01:47:06 +0000
End at: Tue, 25 Jul 2017 01:47:36 +0000
Local clock offset: 0.754 ms
Remote clock offset: -3.7 ms
```

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

Flow 1 ingress (mean 18.56 Mbit/s)　　Flow 1 egress (mean 60.42 Mbit/s)

Flow 1 (95th percentile 49.93 ms)

237

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

Start at: Tue, 25 Jul 2017 02:07:31 +0000
End at: Tue, 25 Jul 2017 02:08:01 +0000
Local clock offset: 0.807 ms
Remote clock offset: -1.029 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:42:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.32 Mbit/s
95th percentile per-packet one-way delay: 47.476 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 78.32 Mbit/s
95th percentile per-packet one-way delay: 47.476 ms
Loss rate: 0.35%
```
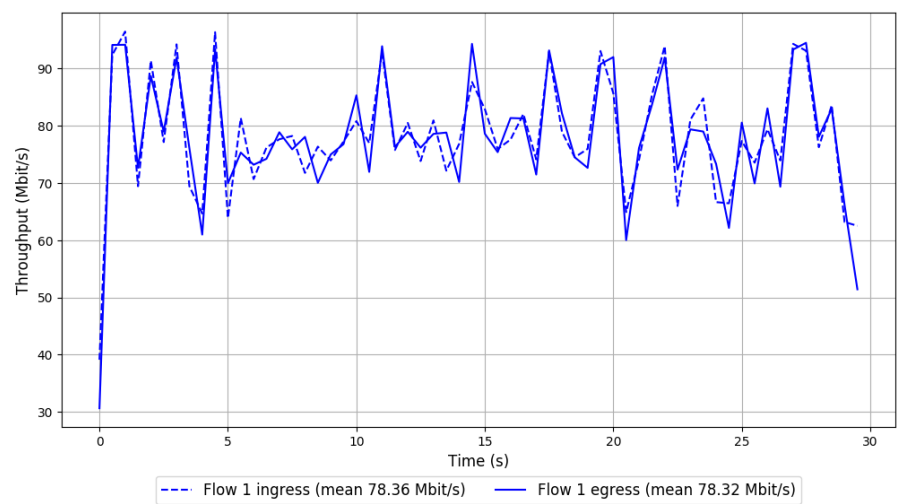
Run 8: Report of TaoVA-100x — Data Link

239
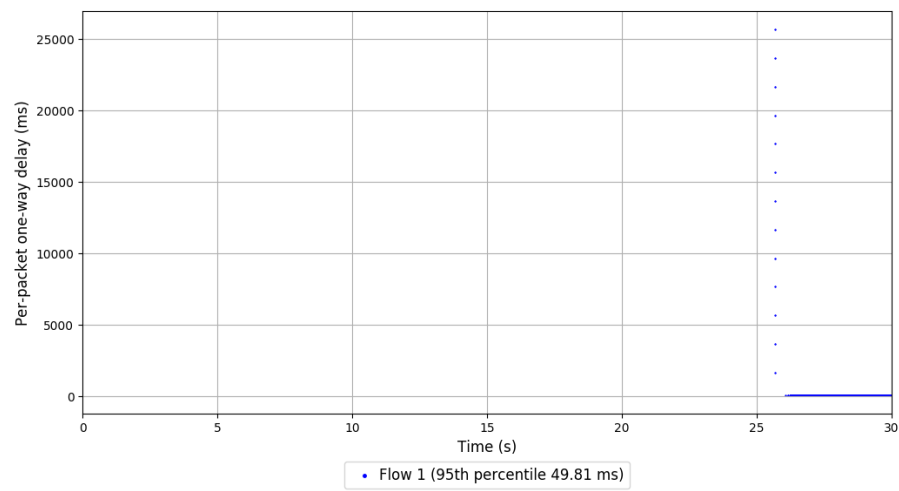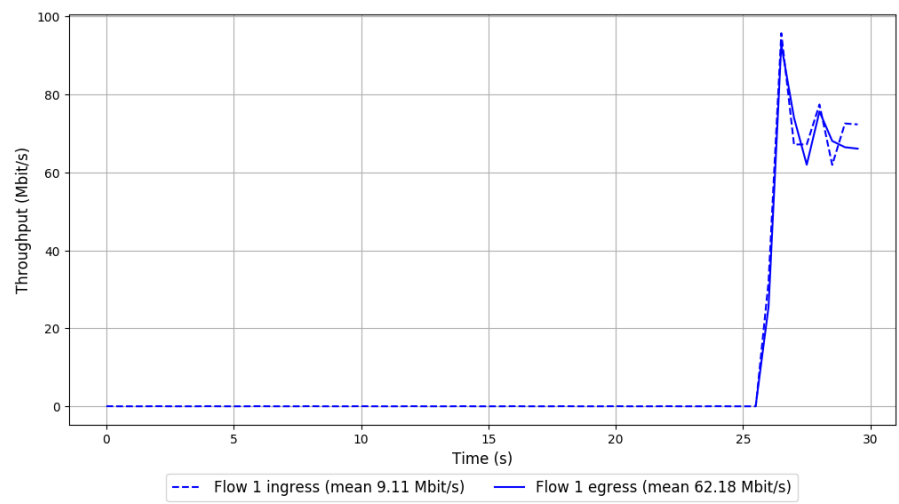
```
Run 9: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 02:28:03 +0000
End at: Tue, 25 Jul 2017 02:28:33 +0000
Local clock offset: 0.821 ms
Remote clock offset: -3.372 ms
```

Run 9: Report of TaoVA-100x — Data Link

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

Start at: Tue, 25 Jul 2017 02:48:38 +0000
End at: Tue, 25 Jul 2017 02:49:08 +0000
Local clock offset: 0.814 ms
Remote clock offset: -3.19 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:42:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.62 Mbit/s
95th percentile per-packet one-way delay: 49.776 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 71.62 Mbit/s
95th percentile per-packet one-way delay: 49.776 ms
Loss rate: 0.19%
```
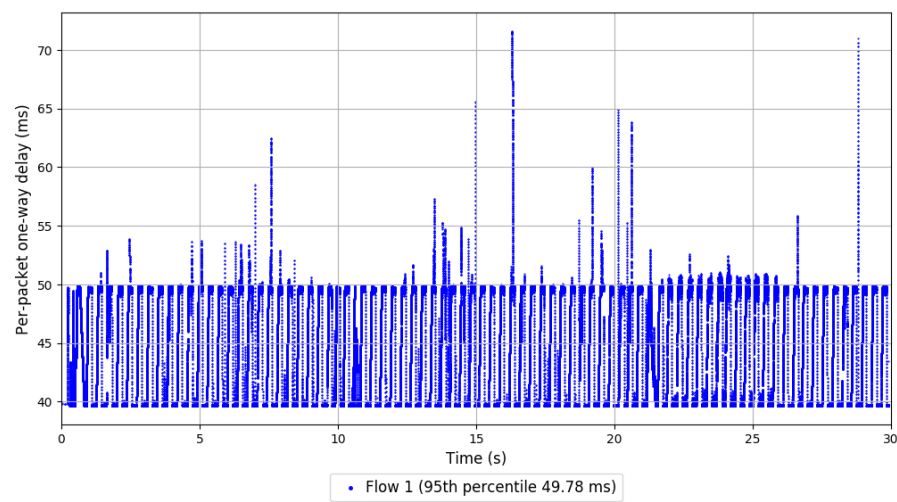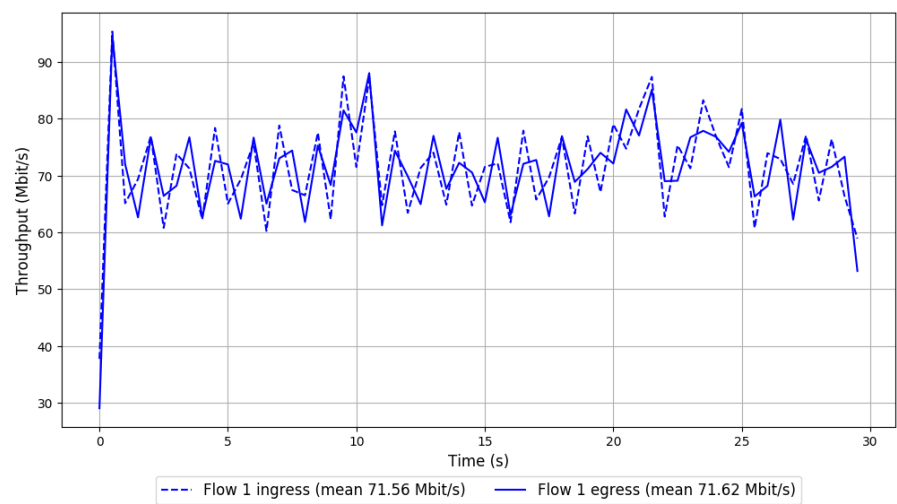
Run 10: Report of TaoVA-100x — Data Link

```
Run 1: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 23:34:47 +0000
End at: Mon, 24 Jul 2017 23:35:17 +0000
Local clock offset: 0.247 ms
Remote clock offset: -2.497 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:42:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 49.592 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 49.592 ms
Loss rate: 0.34%
```
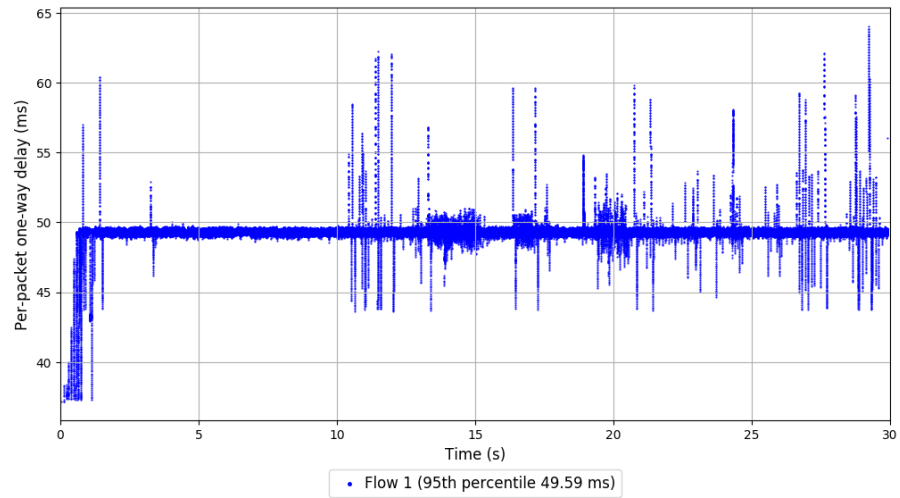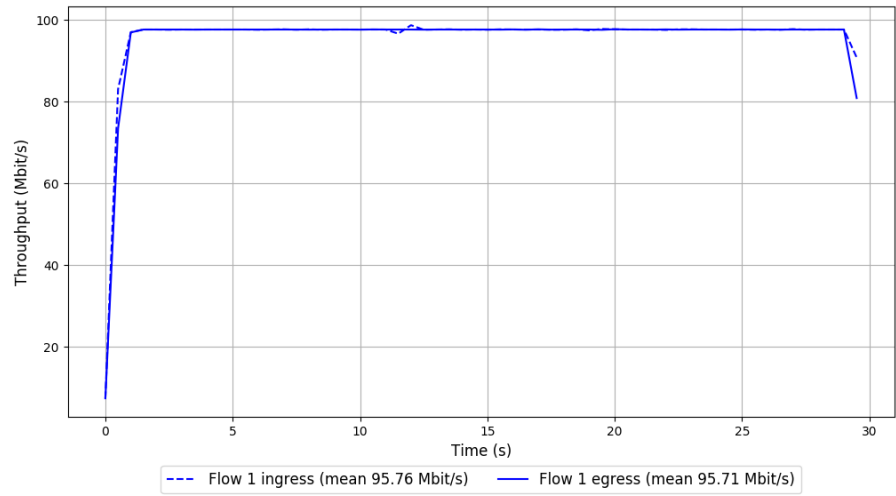
Run 1: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 95.76 Mbit/s)   Flow 1 egress (mean 95.71 Mbit/s)

Flow 1 (95th percentile 49.59 ms)

```
Run 2: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 23:55:34 +0000
End at: Mon, 24 Jul 2017 23:56:04 +0000
Local clock offset: 0.111 ms
Remote clock offset: -5.021 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:42:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.82 Mbit/s
95th percentile per-packet one-way delay: 49.416 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 92.82 Mbit/s
95th percentile per-packet one-way delay: 49.416 ms
Loss rate: 0.31%
```
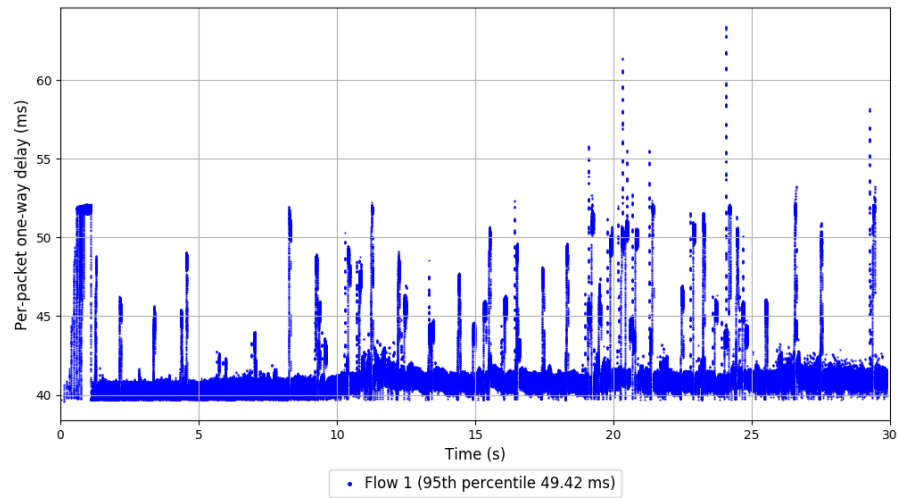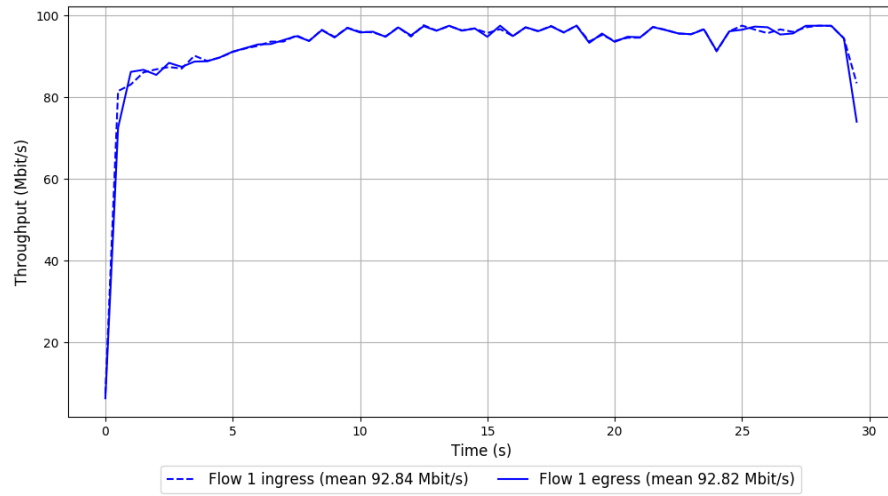
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 00:15:52 +0000
End at: Tue, 25 Jul 2017 00:16:22 +0000
Local clock offset: 0.106 ms
Remote clock offset: -4.827 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:42:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 51.838 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 51.838 ms
Loss rate: 0.34%
```
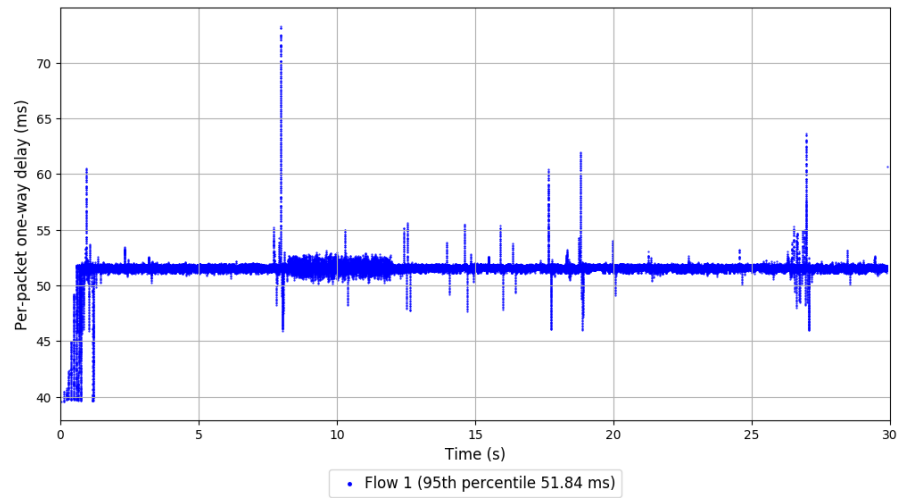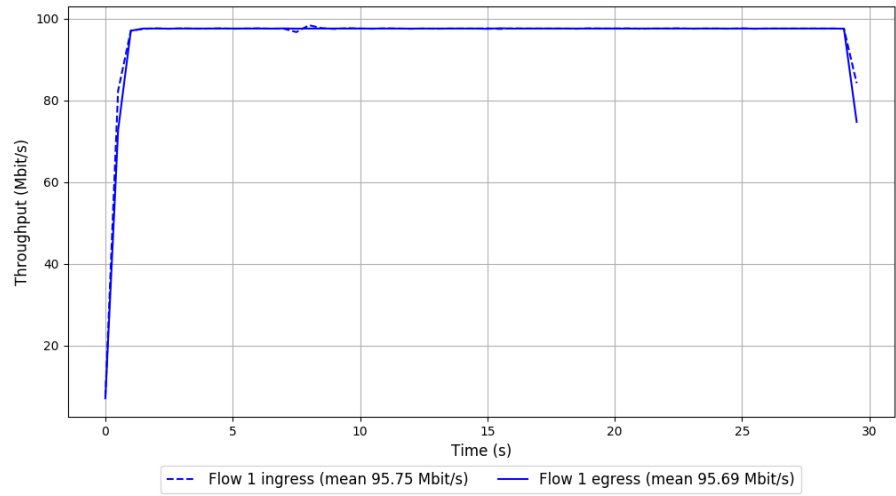
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 95.75 Mbit/s) ——— Flow 1 egress (mean 95.69 Mbit/s)

• Flow 1 (95th percentile 51.84 ms)

```
Run 4: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 00:38:41 +0000
End at: Tue, 25 Jul 2017 00:39:11 +0000
Local clock offset: 0.345 ms
Remote clock offset: -4.872 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:42:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 43.403 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 93.18 Mbit/s
95th percentile per-packet one-way delay: 43.403 ms
Loss rate: 0.31%
```
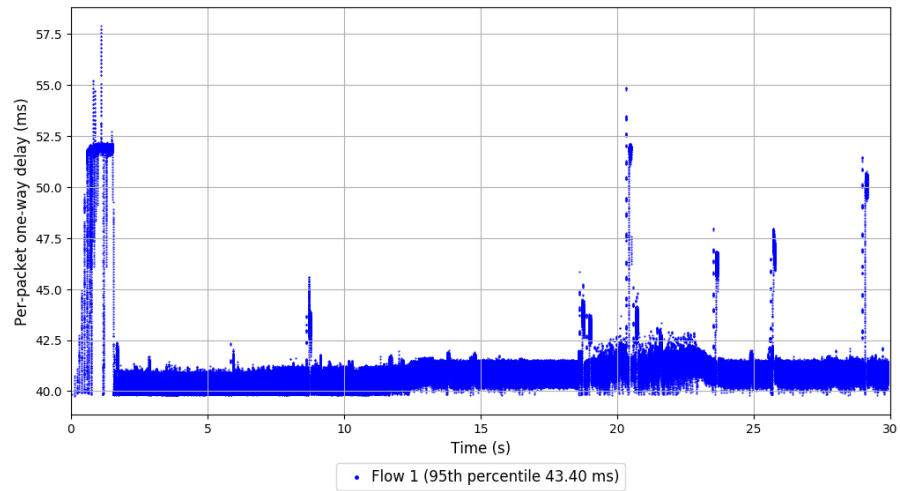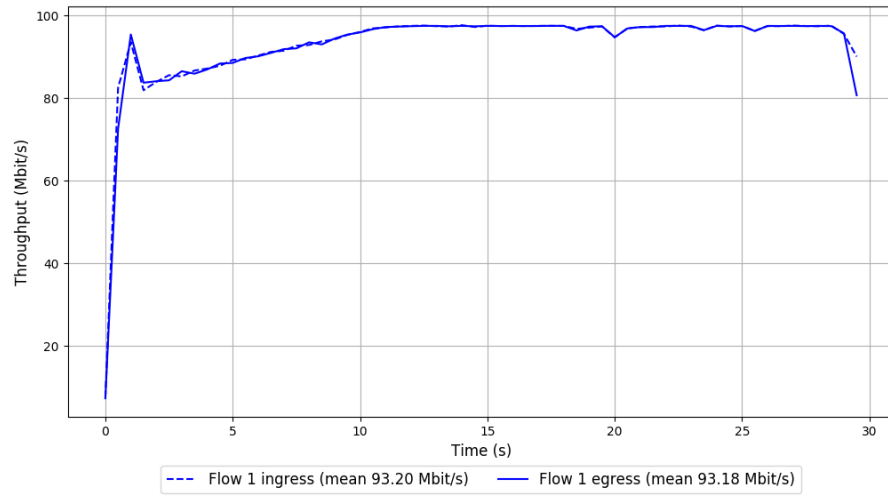
Run 4: Report of TCP Vegas — Data Link

```
Run 5: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 01:00:39 +0000
End at: Tue, 25 Jul 2017 01:01:09 +0000
Local clock offset: 0.32 ms
Remote clock offset: -4.733 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 51.932 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 51.932 ms
Loss rate: 0.26%
```
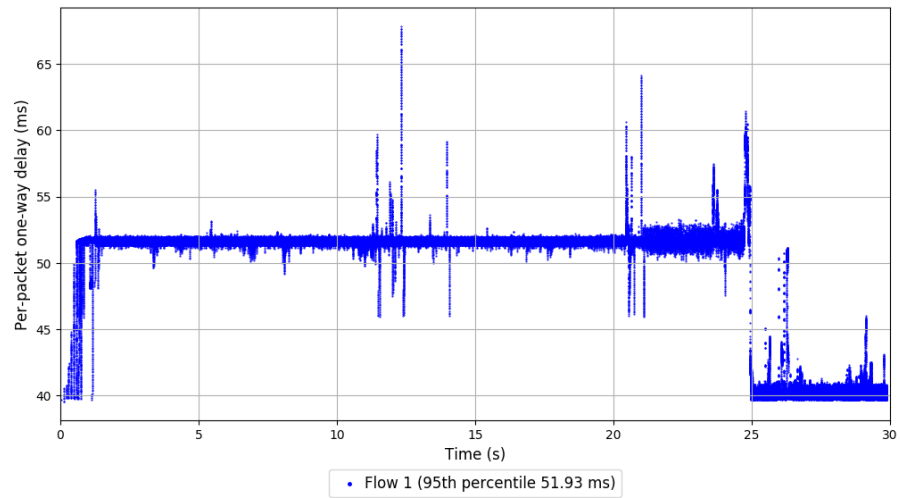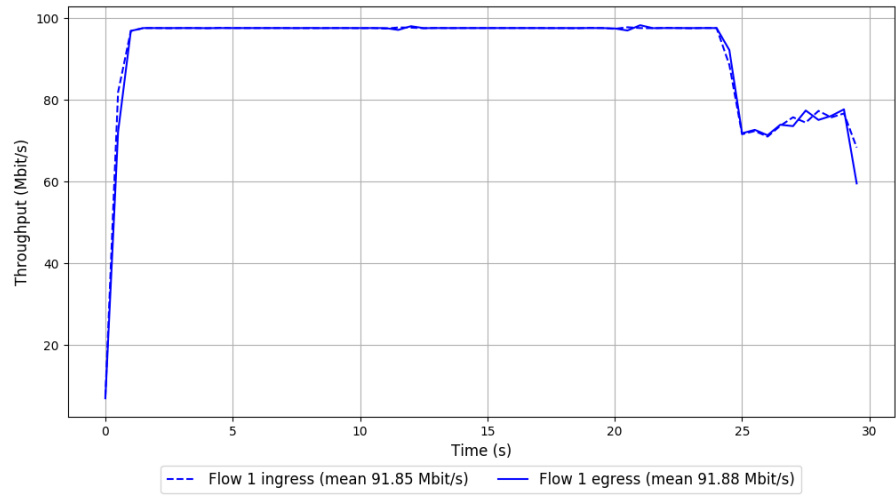
Run 5: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 91.85 Mbit/s) --- Flow 1 egress (mean 91.88 Mbit/s)

• Flow 1 (95th percentile 51.93 ms)

```
Run 6: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 01:21:27 +0000
End at: Tue, 25 Jul 2017 01:21:57 +0000
Local clock offset: 0.619 ms
Remote clock offset: -1.793 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 42.736 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 42.736 ms
Loss rate: 0.28%
```
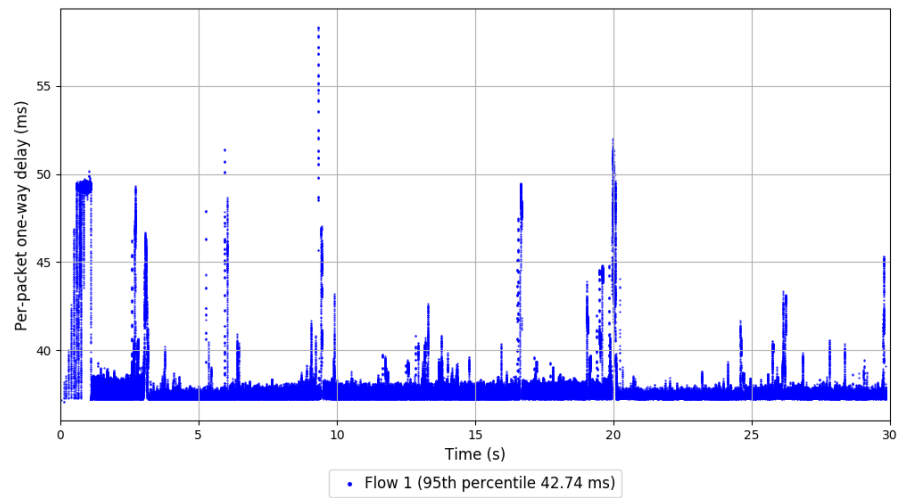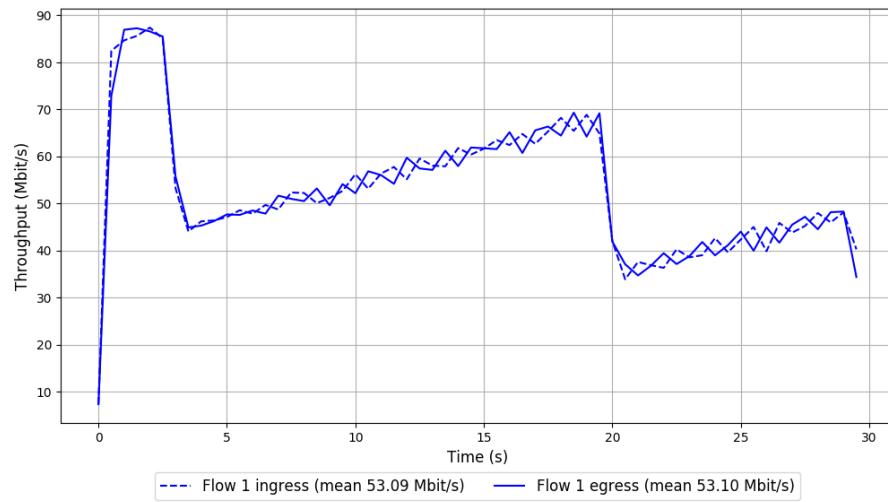
Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 01:41:46 +0000
End at: Tue, 25 Jul 2017 01:42:16 +0000
Local clock offset: 0.666 ms
Remote clock offset: -1.777 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 49.980 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 49.980 ms
Loss rate: 0.33%
```
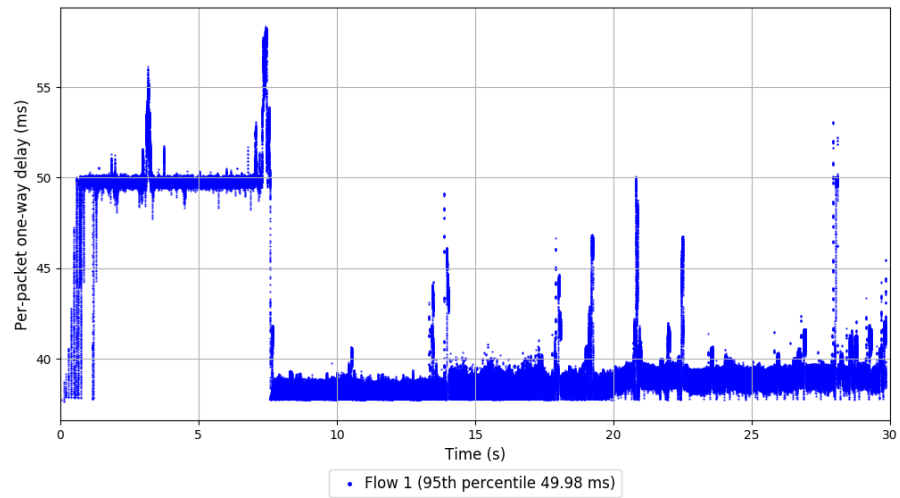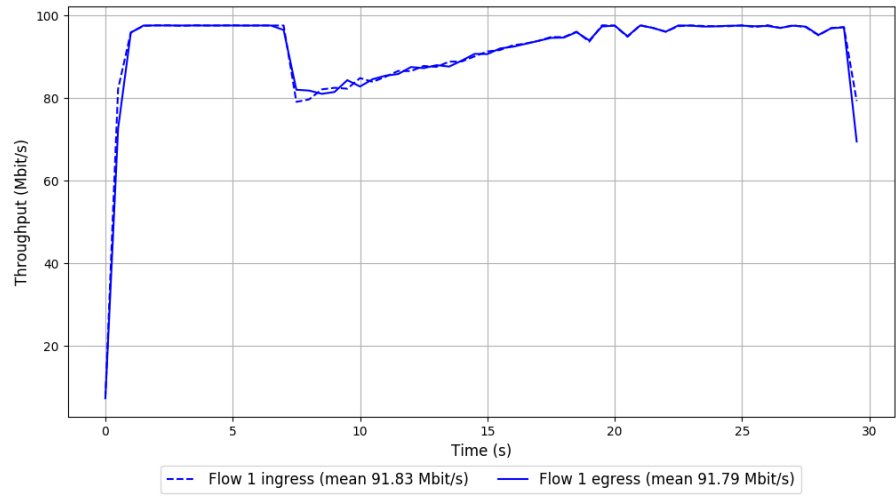
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 91.83 Mbit/s)   Flow 1 egress (mean 91.79 Mbit/s)

Flow 1 (95th percentile 49.98 ms)

```
Run 8: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 02:02:13 +0000
End at: Tue, 25 Jul 2017 02:02:43 +0000
Local clock offset: 0.847 ms
Remote clock offset: -0.937 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.97 Mbit/s
95th percentile per-packet one-way delay: 40.766 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 70.97 Mbit/s
95th percentile per-packet one-way delay: 40.766 ms
Loss rate: 0.30%
```
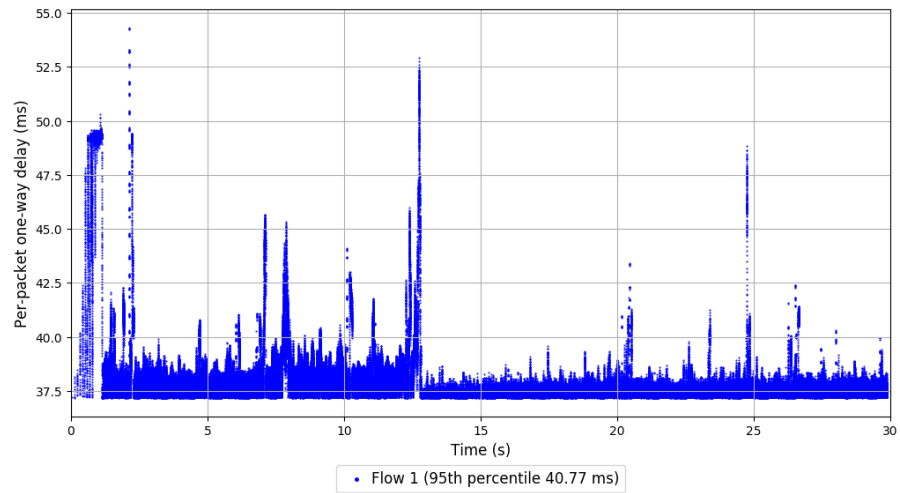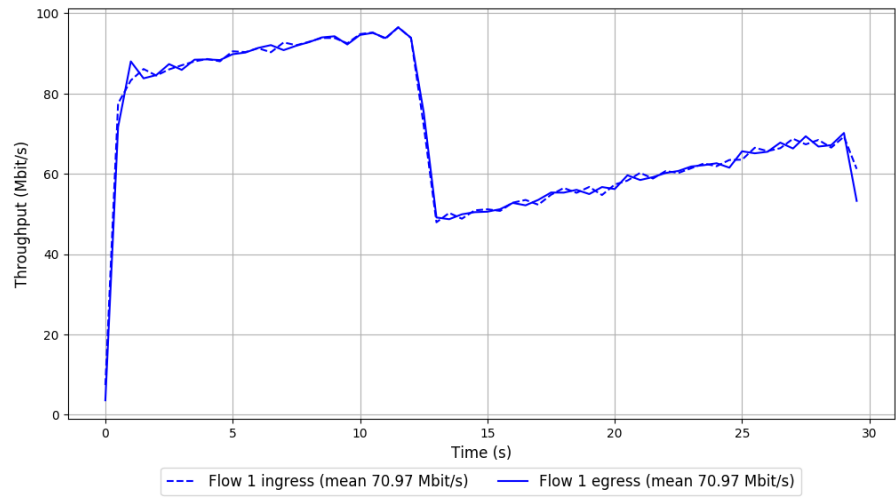
Run 8: Report of TCP Vegas — Data Link

```
Run 9: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 02:22:48 +0000
End at: Tue, 25 Jul 2017 02:23:18 +0000
Local clock offset: 0.847 ms
Remote clock offset: -0.775 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.99 Mbit/s
95th percentile per-packet one-way delay: 38.180 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 16.99 Mbit/s
95th percentile per-packet one-way delay: 38.180 ms
Loss rate: 0.39%
```
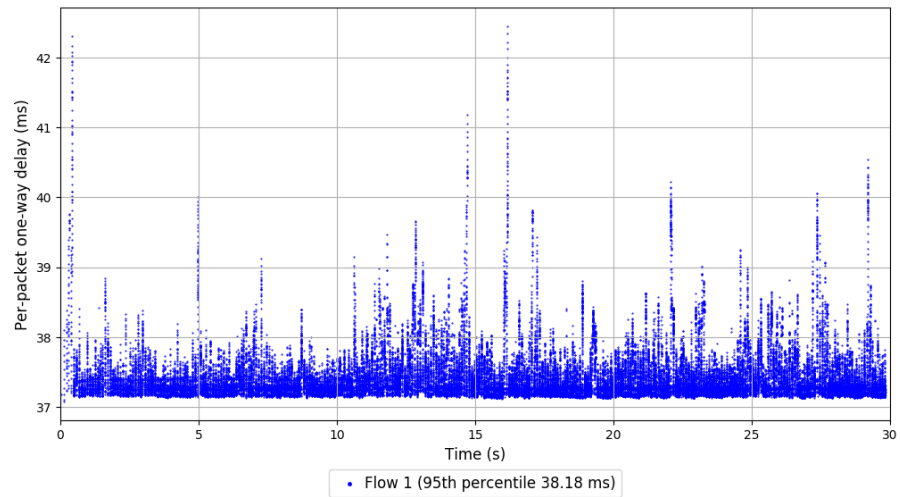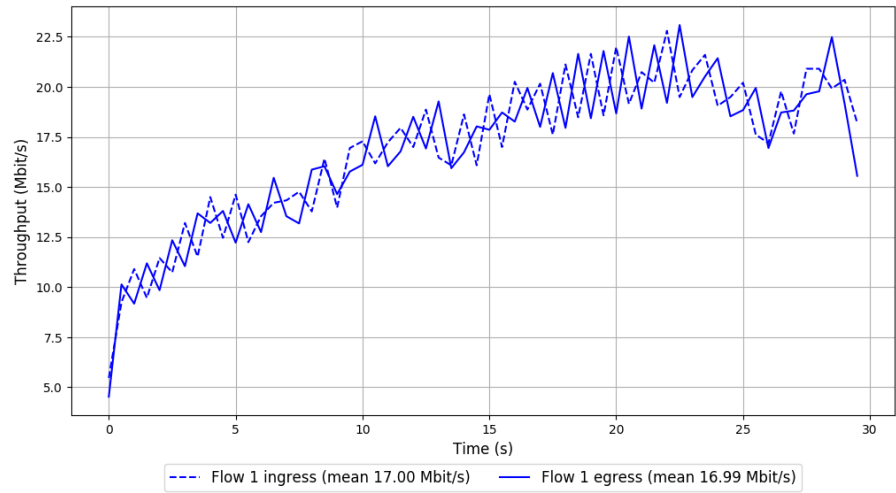
Run 9: Report of TCP Vegas — Data Link

```
Run 10: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 02:43:07 +0000
End at: Tue, 25 Jul 2017 02:43:37 +0000
Local clock offset: 0.819 ms
Remote clock offset: -1.222 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 41.990 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 41.990 ms
Loss rate: 0.32%
```
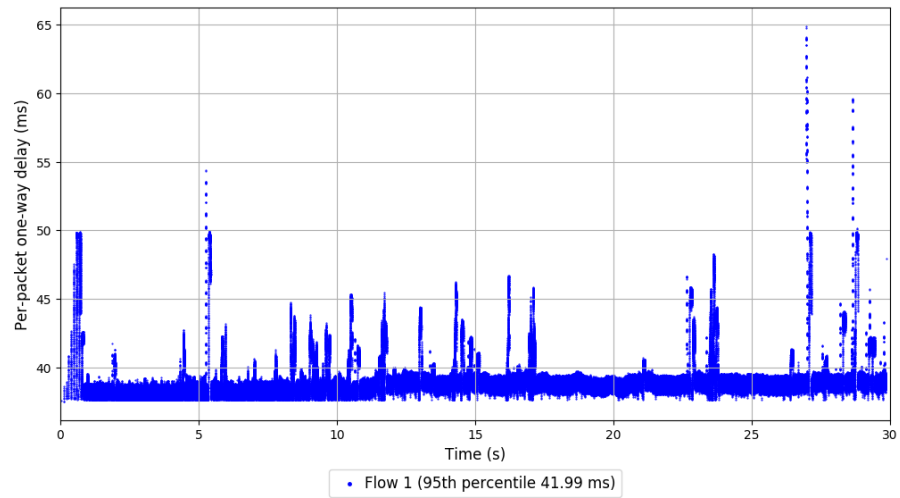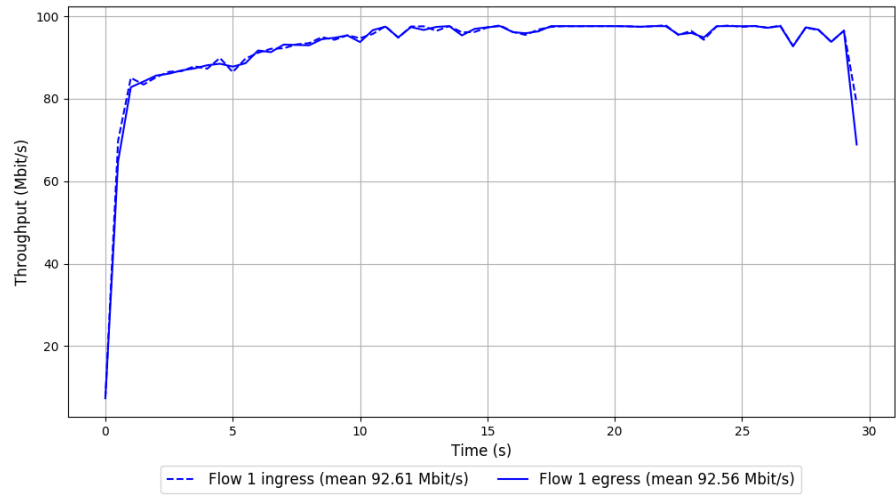
Run 10: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 92.61 Mbit/s)   Flow 1 egress (mean 92.56 Mbit/s)

Flow 1 (95th percentile 41.99 ms)

```
Run 1: Statistics of Verus

Start at: Mon, 24 Jul 2017 23:48:52 +0000
End at: Mon, 24 Jul 2017 23:49:22 +0000
Local clock offset: 0.188 ms
Remote clock offset: -2.548 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.31 Mbit/s
95th percentile per-packet one-way delay: 49.325 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 79.31 Mbit/s
95th percentile per-packet one-way delay: 49.325 ms
Loss rate: 0.41%
```
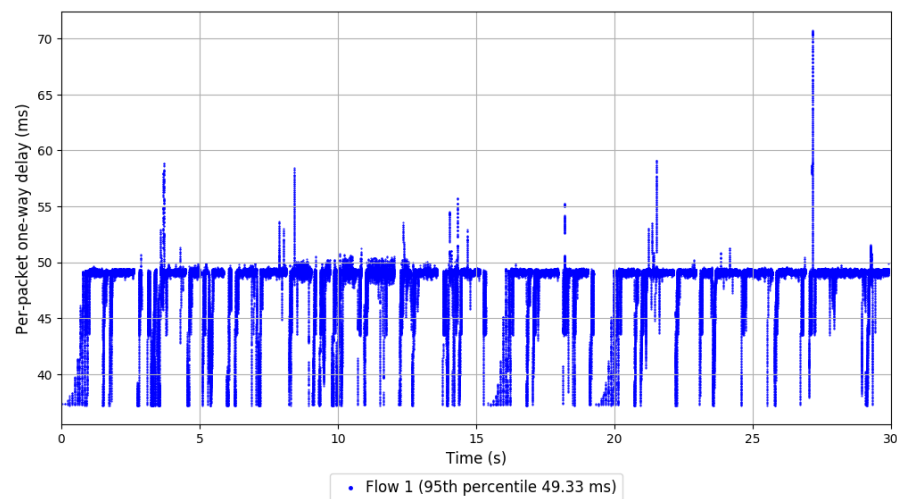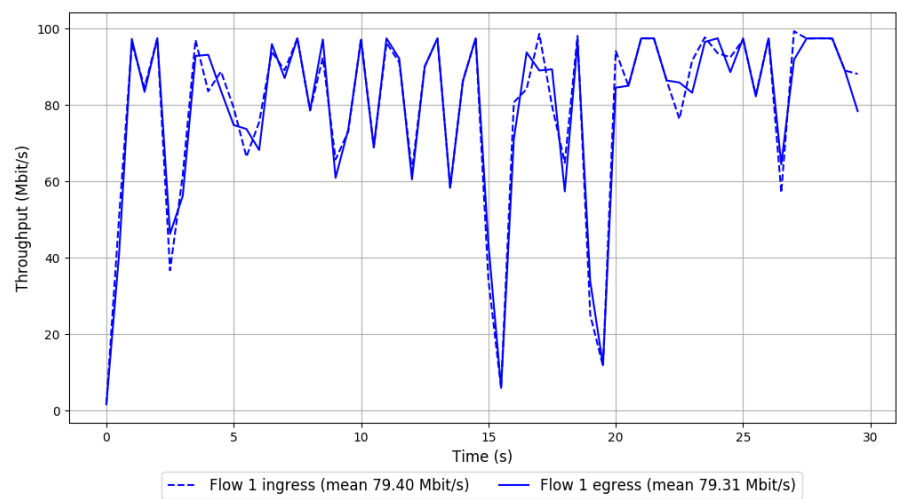
Run 1: Report of Verus — Data Link

```
Run 2: Statistics of Verus

Start at: Tue, 25 Jul 2017 00:09:09 +0000
End at: Tue, 25 Jul 2017 00:09:39 +0000
Local clock offset: 0.053 ms
Remote clock offset: -2.77 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.13 Mbit/s
95th percentile per-packet one-way delay: 49.555 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 74.13 Mbit/s
95th percentile per-packet one-way delay: 49.555 ms
Loss rate: 0.43%
```
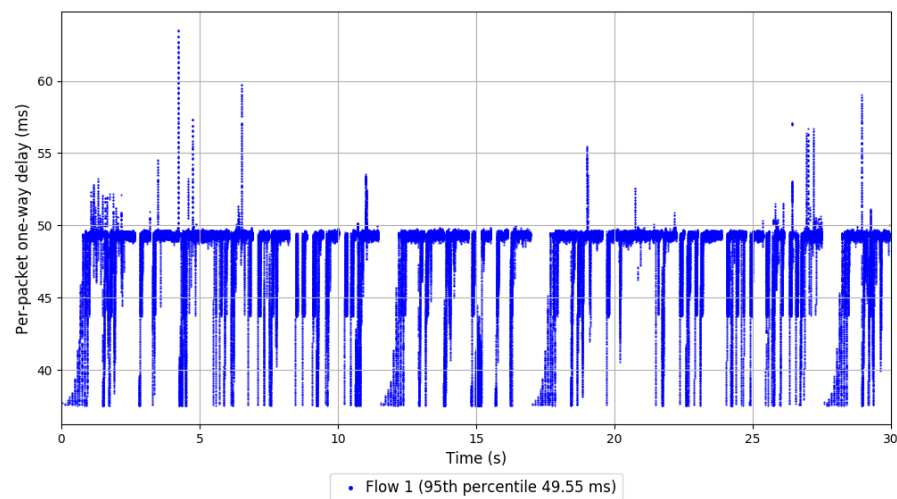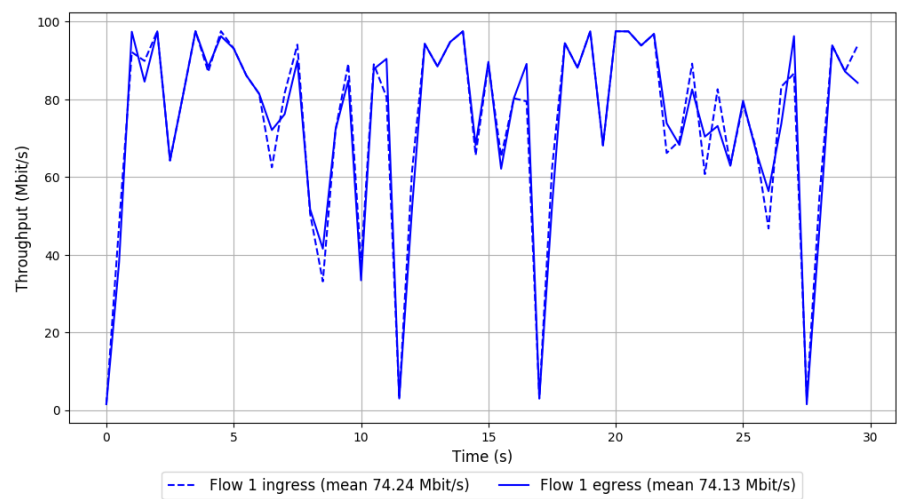
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: Tue, 25 Jul 2017 00:30:56 +0000
End at: Tue, 25 Jul 2017 00:31:26 +0000
Local clock offset: 0.248 ms
Remote clock offset: -4.7 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.48 Mbit/s
95th percentile per-packet one-way delay: 51.619 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 69.48 Mbit/s
95th percentile per-packet one-way delay: 51.619 ms
Loss rate: 0.47%
```
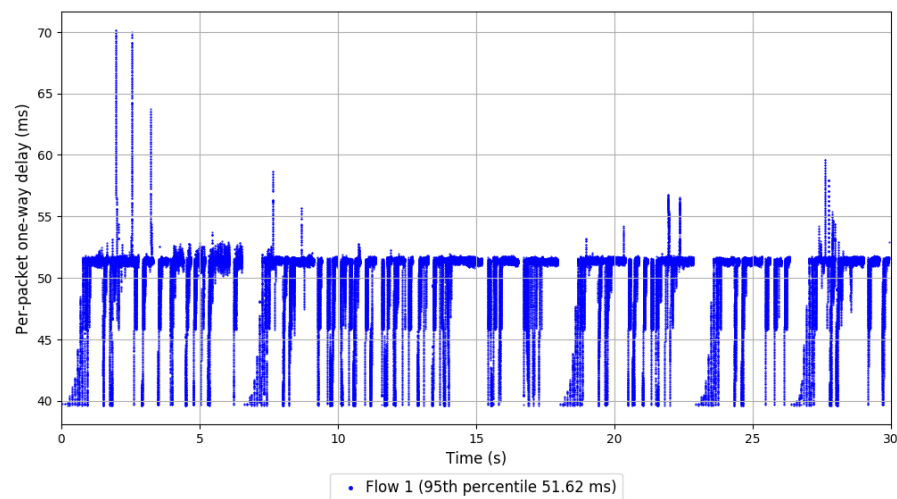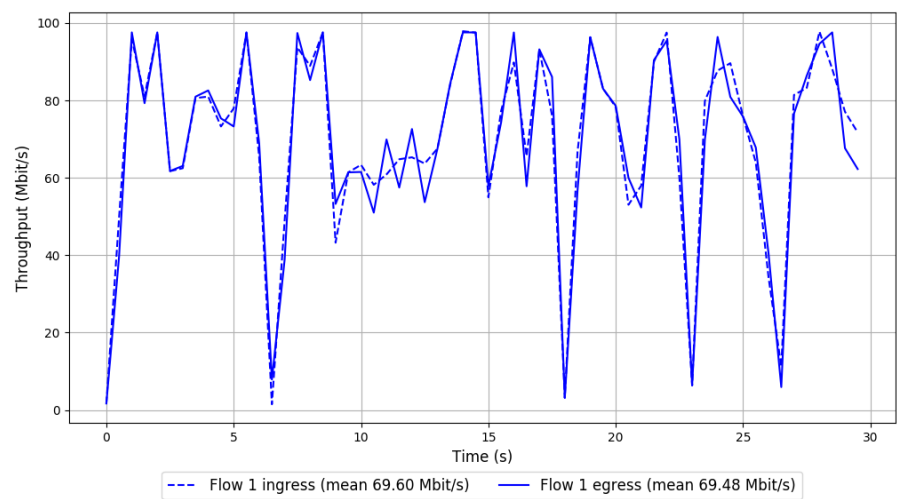
Run 3: Report of Verus — Data Link

```
Run 4: Statistics of Verus

Start at: Tue, 25 Jul 2017 00:53:52 +0000
End at: Tue, 25 Jul 2017 00:54:22 +0000
Local clock offset: 0.346 ms
Remote clock offset: -2.66 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.11 Mbit/s
95th percentile per-packet one-way delay: 49.666 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 74.11 Mbit/s
95th percentile per-packet one-way delay: 49.666 ms
Loss rate: 0.43%
```
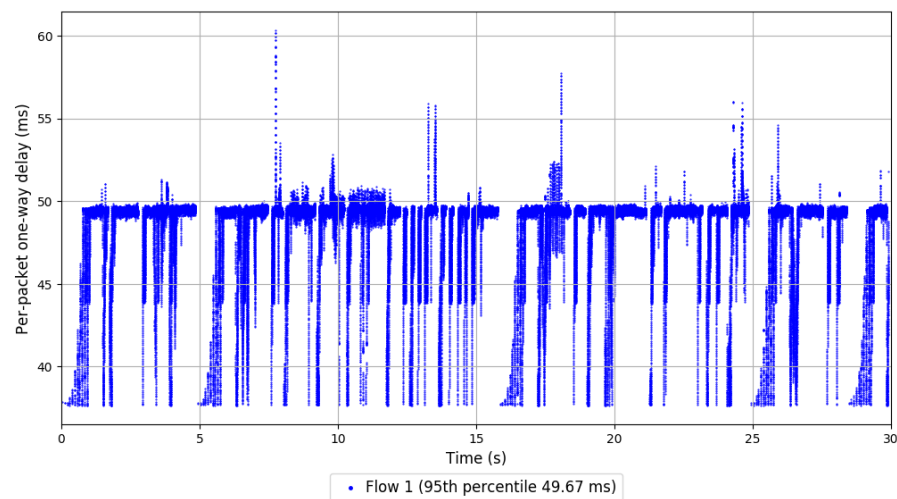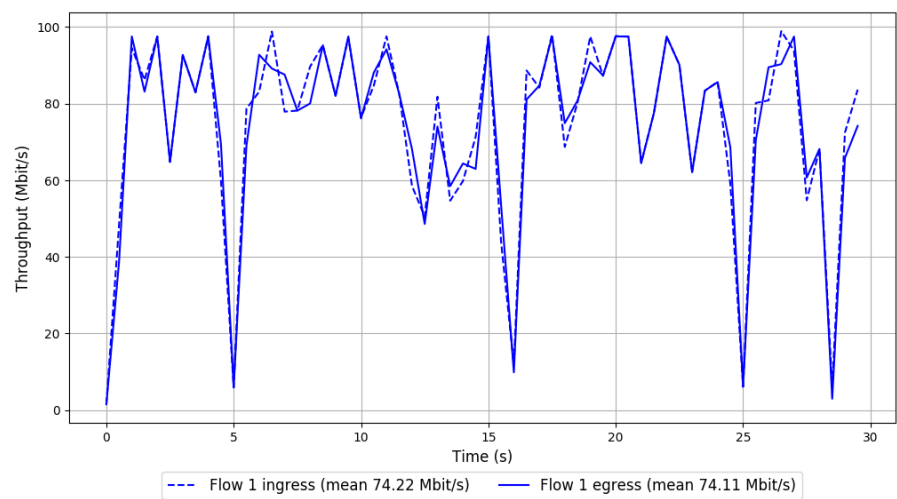
Run 4: Report of Verus — Data Link

Flow 1 ingress (mean 74.22 Mbit/s)　　Flow 1 egress (mean 74.11 Mbit/s)

Flow 1 (95th percentile 49.67 ms)

```
Run 5: Statistics of Verus

Start at: Tue, 25 Jul 2017 01:14:47 +0000
End at: Tue, 25 Jul 2017 01:15:17 +0000
Local clock offset: 0.567 ms
Remote clock offset: -4.621 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.48 Mbit/s
95th percentile per-packet one-way delay: 51.903 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 71.48 Mbit/s
95th percentile per-packet one-way delay: 51.903 ms
Loss rate: 0.25%
```
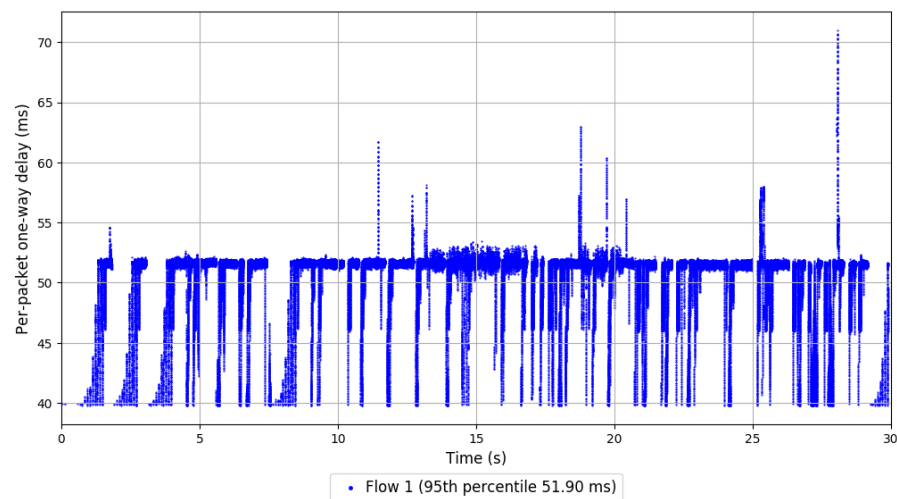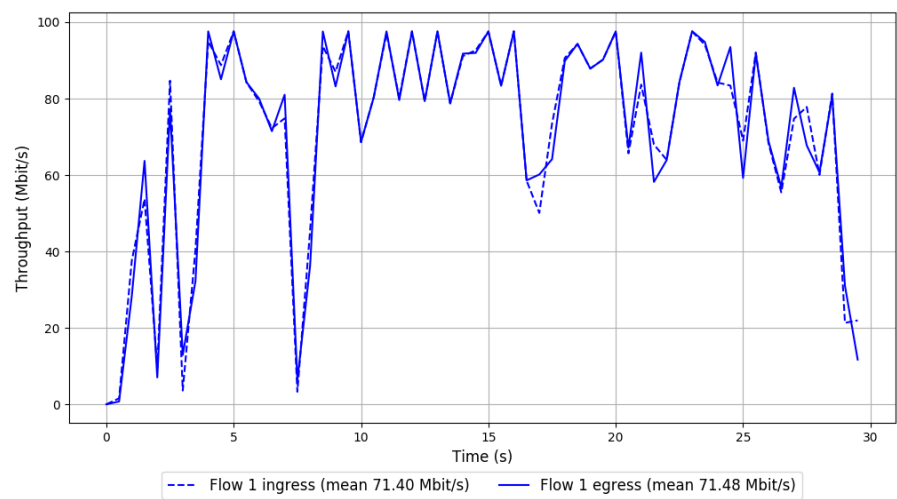
Run 5: Report of Verus — Data Link

Flow 1 ingress (mean 71.40 Mbit/s)   —— Flow 1 egress (mean 71.48 Mbit/s)

• Flow 1 (95th percentile 51.90 ms)

```
Run 6: Statistics of Verus

Start at: Tue, 25 Jul 2017 01:34:57 +0000
End at: Tue, 25 Jul 2017 01:35:27 +0000
Local clock offset: 0.591 ms
Remote clock offset: -1.415 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 49.271 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 82.09 Mbit/s
95th percentile per-packet one-way delay: 49.271 ms
Loss rate: 0.47%
```
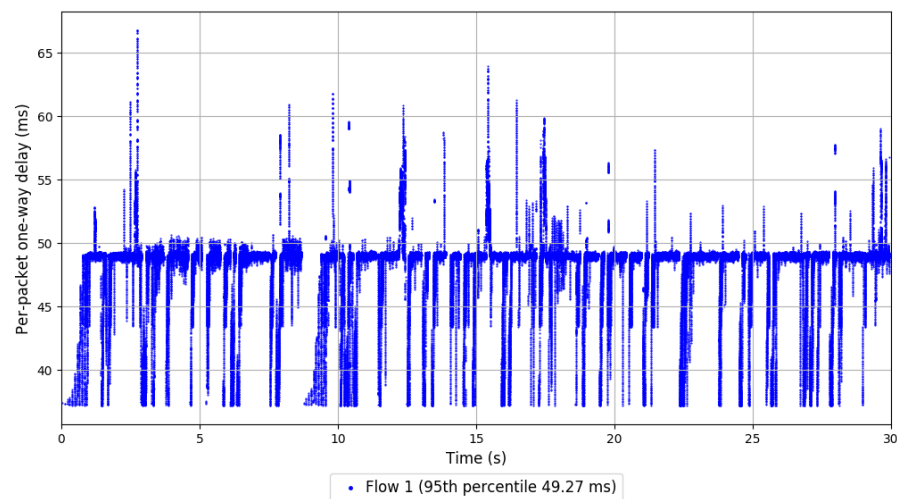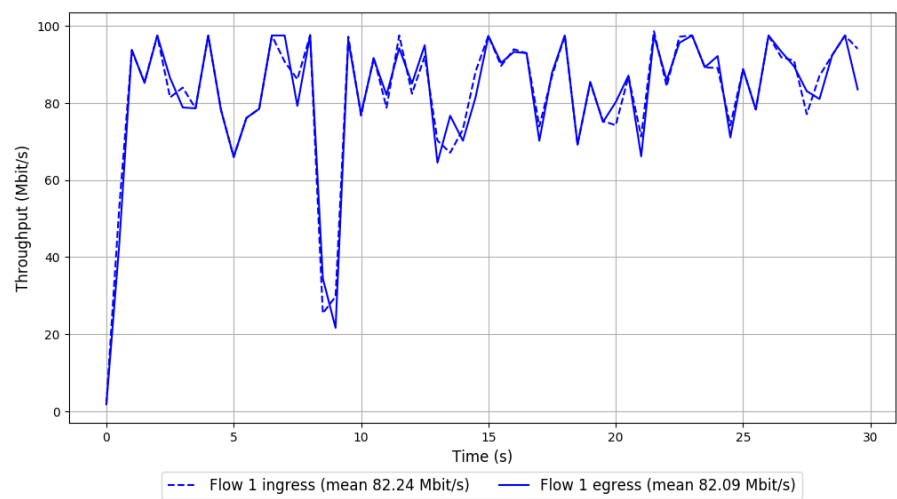
Run 6: Report of Verus — Data Link

Flow 1 ingress (mean 82.24 Mbit/s) — Flow 1 egress (mean 82.09 Mbit/s)

• Flow 1 (95th percentile 49.27 ms)

```
Run 7: Statistics of Verus

Start at: Tue, 25 Jul 2017 01:55:30 +0000
End at: Tue, 25 Jul 2017 01:56:00 +0000
Local clock offset: 0.68 ms
Remote clock offset: -1.115 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:43:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 49.366 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 49.366 ms
Loss rate: 0.45%
```
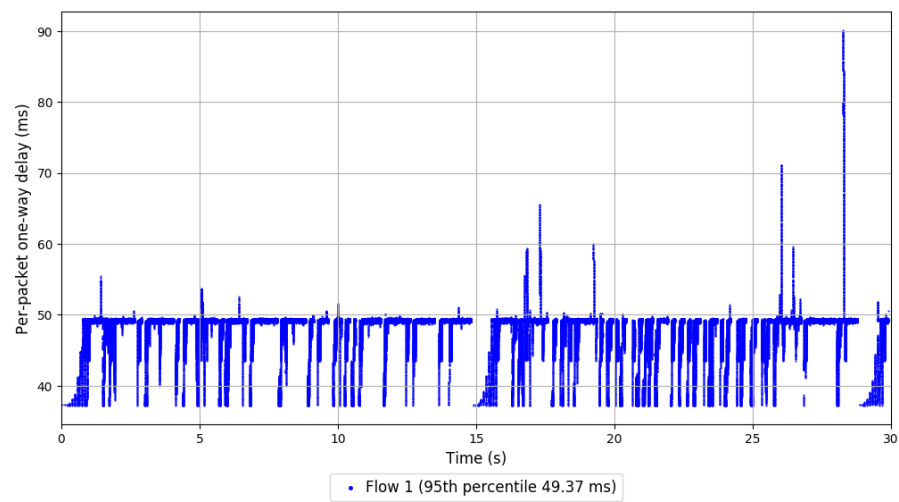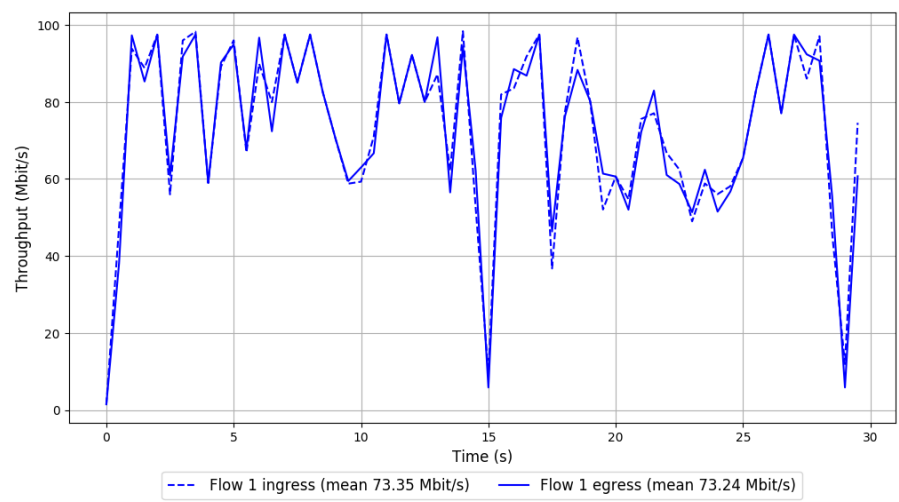
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: Tue, 25 Jul 2017 02:16:00 +0000
End at: Tue, 25 Jul 2017 02:16:30 +0000
Local clock offset: 0.831 ms
Remote clock offset: -3.371 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.89 Mbit/s
95th percentile per-packet one-way delay: 51.653 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 79.89 Mbit/s
95th percentile per-packet one-way delay: 51.653 ms
Loss rate: 0.43%
```
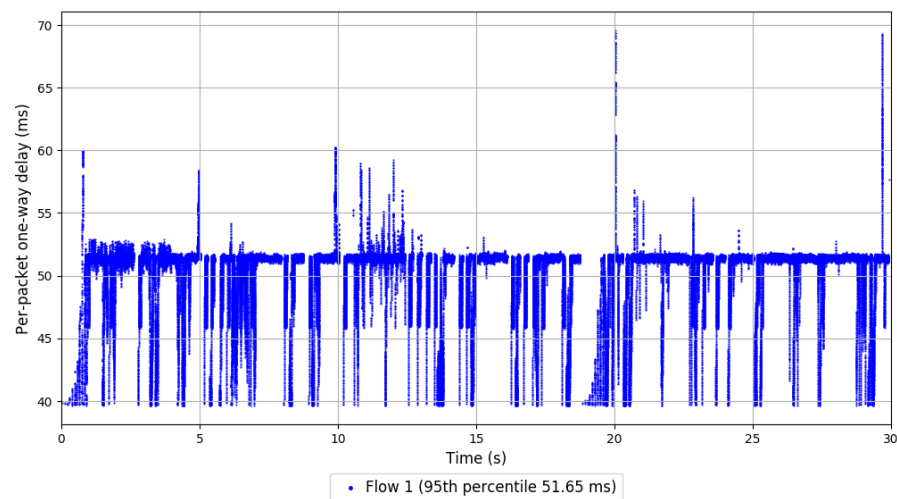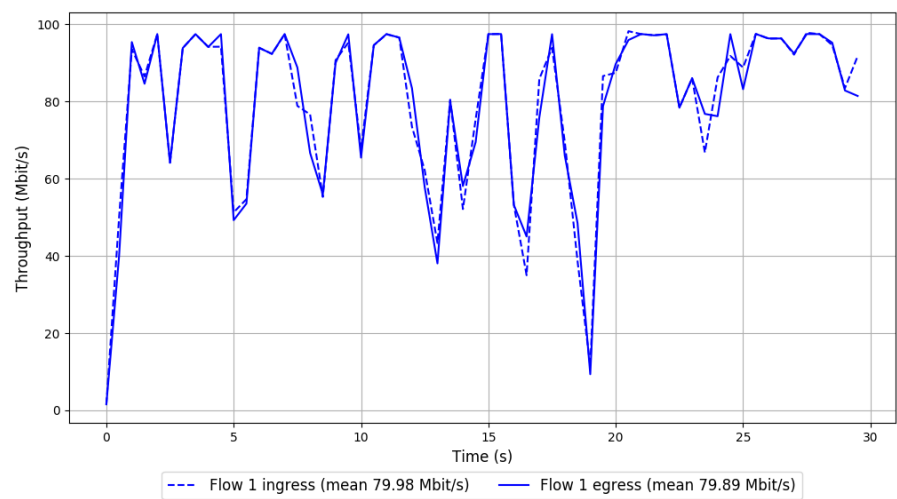
Run 8: Report of Verus — Data Link

```
Run 9: Statistics of Verus

Start at: Tue, 25 Jul 2017 02:36:26 +0000
End at: Tue, 25 Jul 2017 02:36:56 +0000
Local clock offset: 0.92 ms
Remote clock offset: -3.421 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 52.028 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 52.028 ms
Loss rate: 0.50%
```
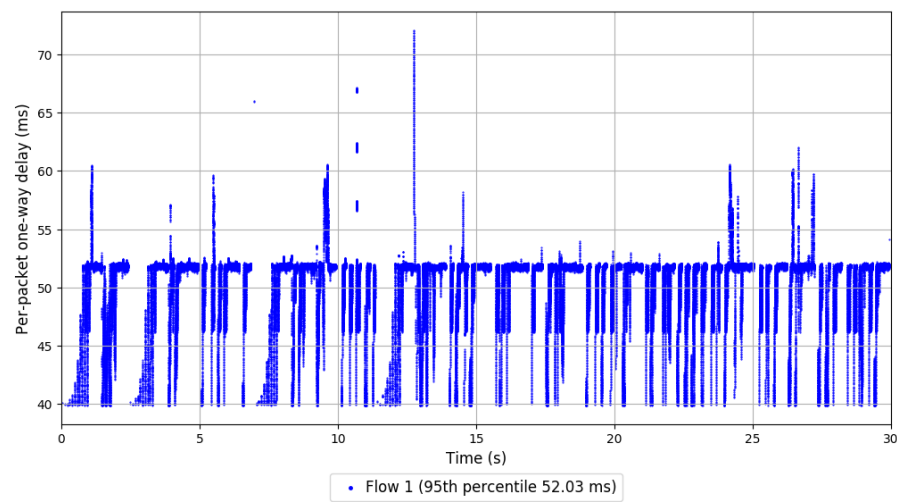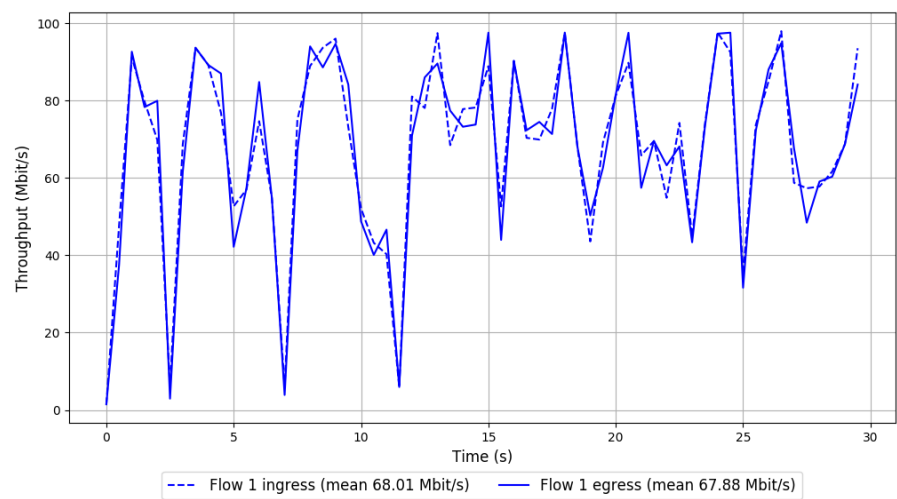
Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: Tue, 25 Jul 2017 02:59:37 +0000
End at: Tue, 25 Jul 2017 03:00:07 +0000
Local clock offset: 0.804 ms
Remote clock offset: -2.915 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.40 Mbit/s
95th percentile per-packet one-way delay: 51.627 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 65.40 Mbit/s
95th percentile per-packet one-way delay: 51.627 ms
Loss rate: 0.73%
```
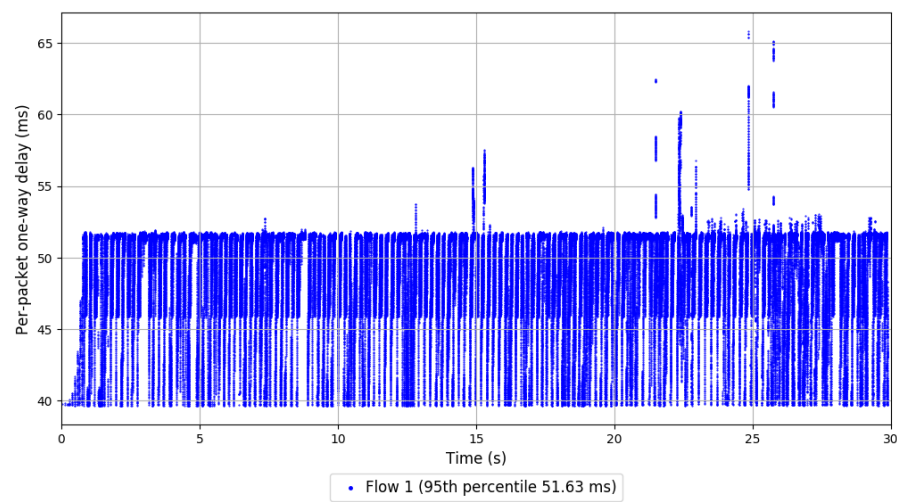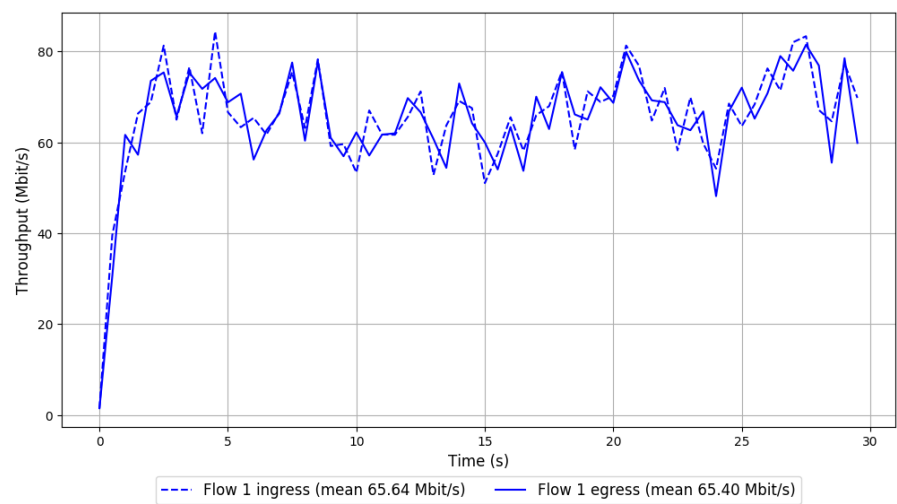
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 23:52:55 +0000
End at: Mon, 24 Jul 2017 23:53:25 +0000
Local clock offset: 0.08 ms
Remote clock offset: -4.97 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 40.188 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 40.188 ms
Loss rate: 0.40%
```
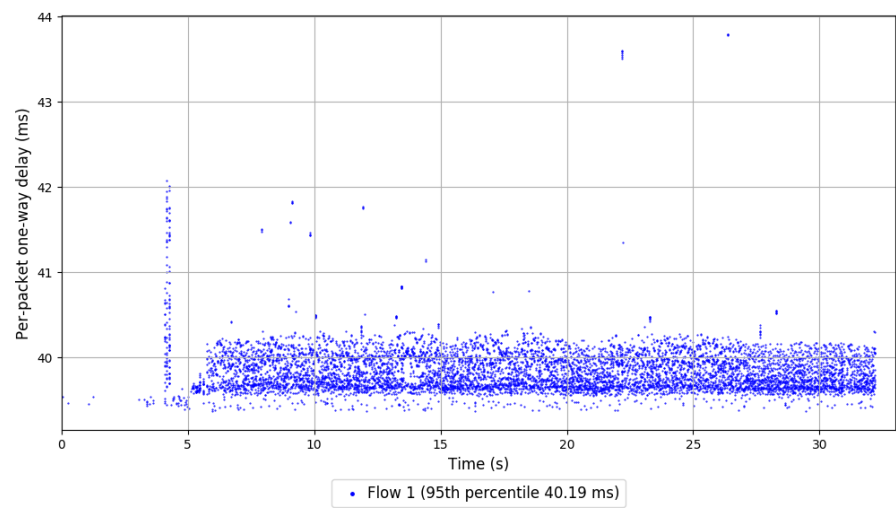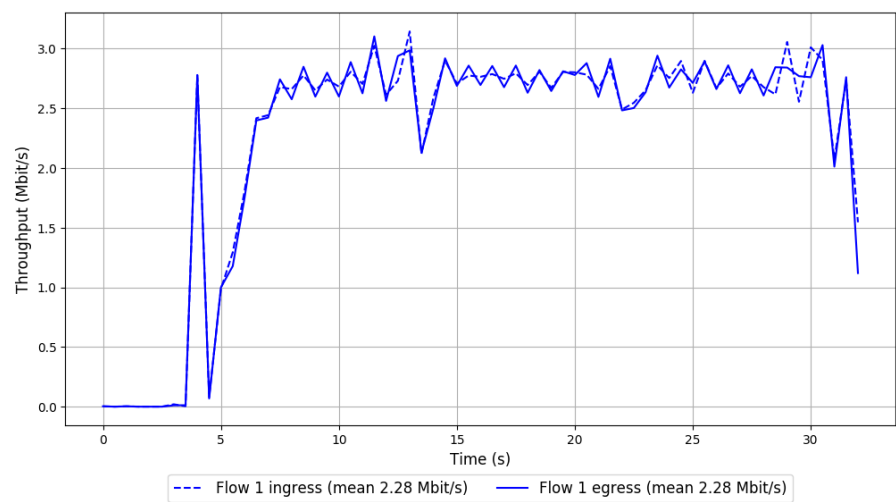
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 00:13:11 +0000
End at: Tue, 25 Jul 2017 00:13:41 +0000
Local clock offset: 0.077 ms
Remote clock offset: -4.786 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 40.210 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 40.210 ms
Loss rate: 0.30%
```
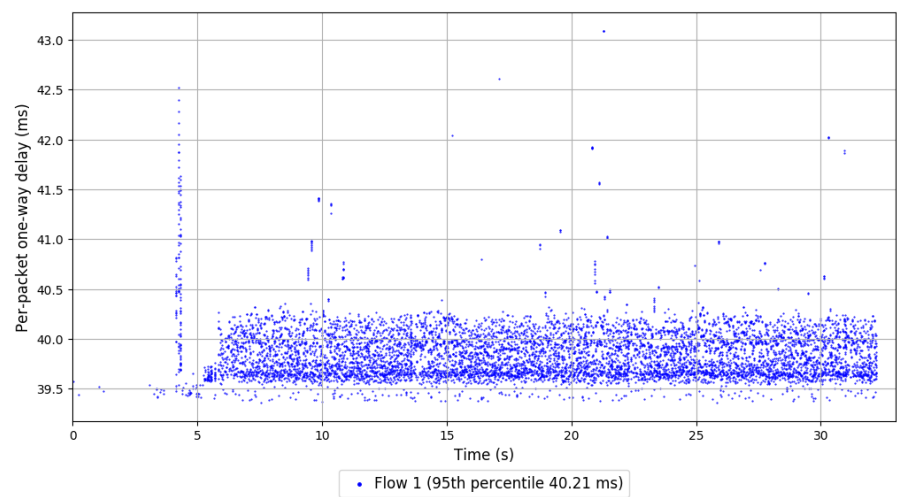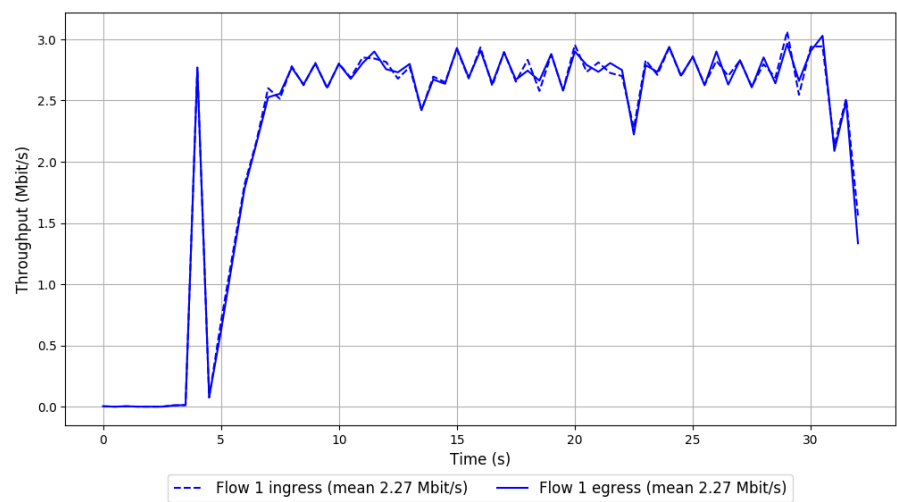
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 00:35:45 +0000
End at: Tue, 25 Jul 2017 00:36:15 +0000
Local clock offset: 0.34 ms
Remote clock offset: -2.753 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 38.363 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 38.363 ms
Loss rate: 0.31%
```
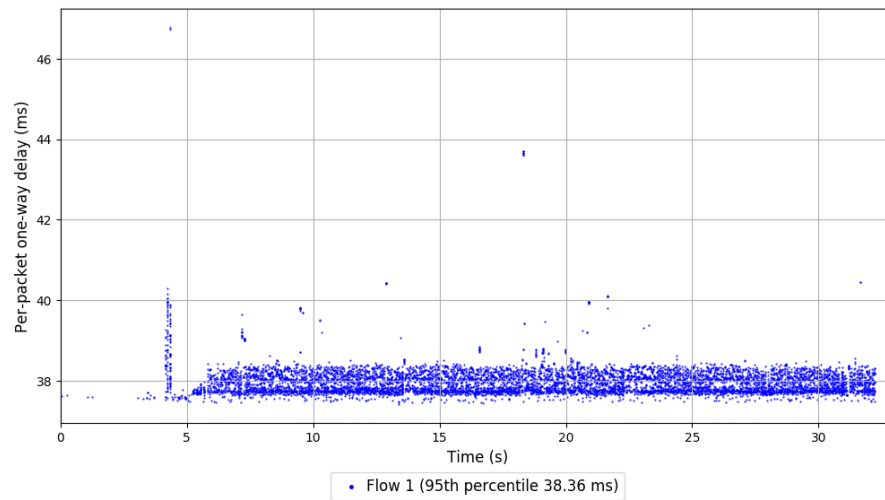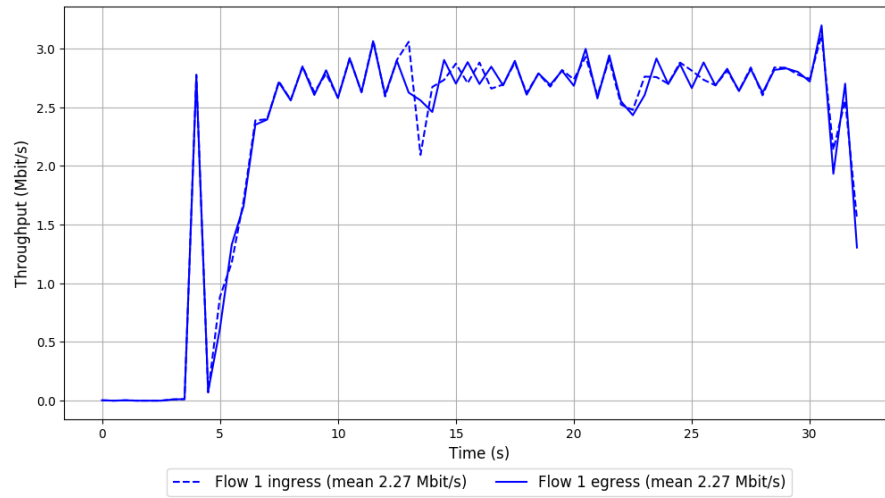
Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.27 Mbit/s)   Flow 1 egress (mean 2.27 Mbit/s)

Flow 1 (95th percentile 38.36 ms)

```
Run 4: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 00:57:58 +0000
End at: Tue, 25 Jul 2017 00:58:28 +0000
Local clock offset: 0.276 ms
Remote clock offset: -2.74 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 38.309 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 38.309 ms
Loss rate: 0.40%
```
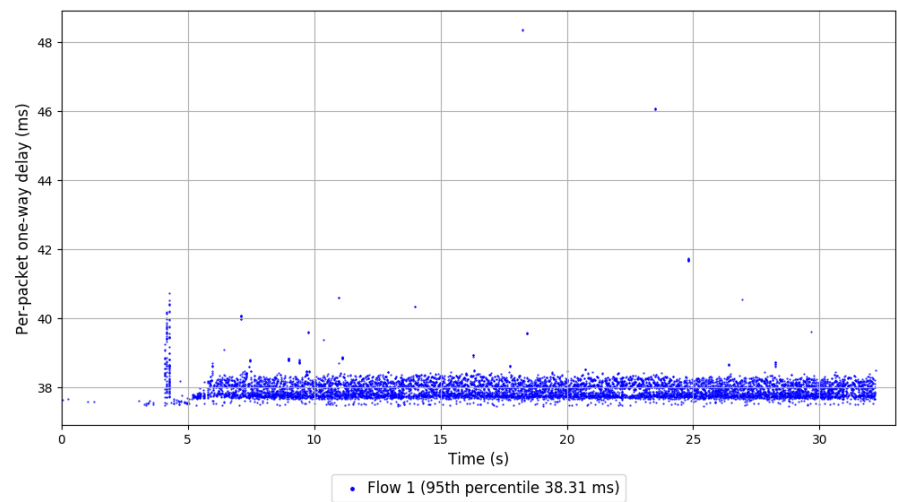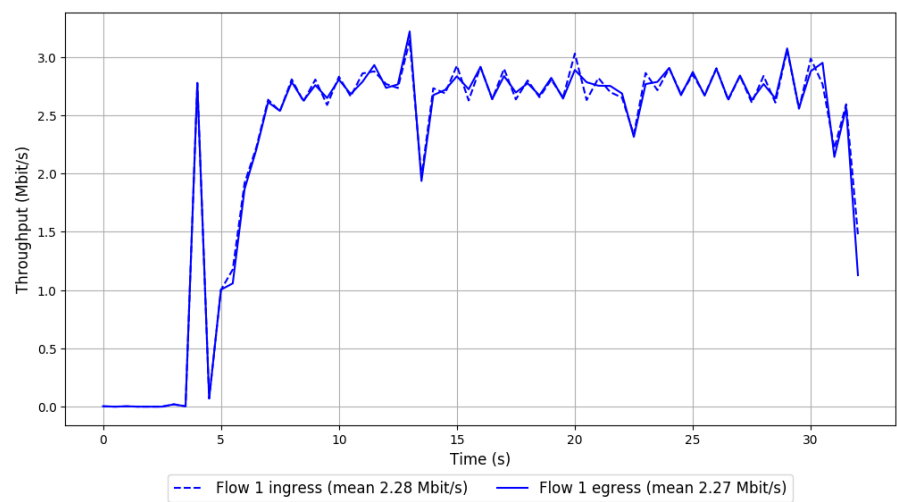
Run 4: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.28 Mbit/s)   Flow 1 egress (mean 2.27 Mbit/s)

Flow 1 (95th percentile 38.31 ms)

```
Run 5: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 01:18:48 +0000
End at: Tue, 25 Jul 2017 01:19:18 +0000
Local clock offset: 0.521 ms
Remote clock offset: -4.39 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 40.310 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 40.310 ms
Loss rate: 0.39%
```
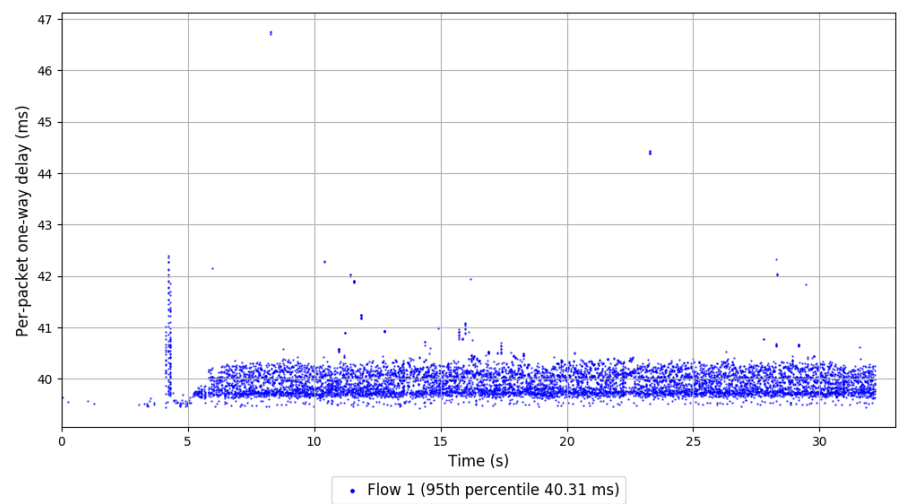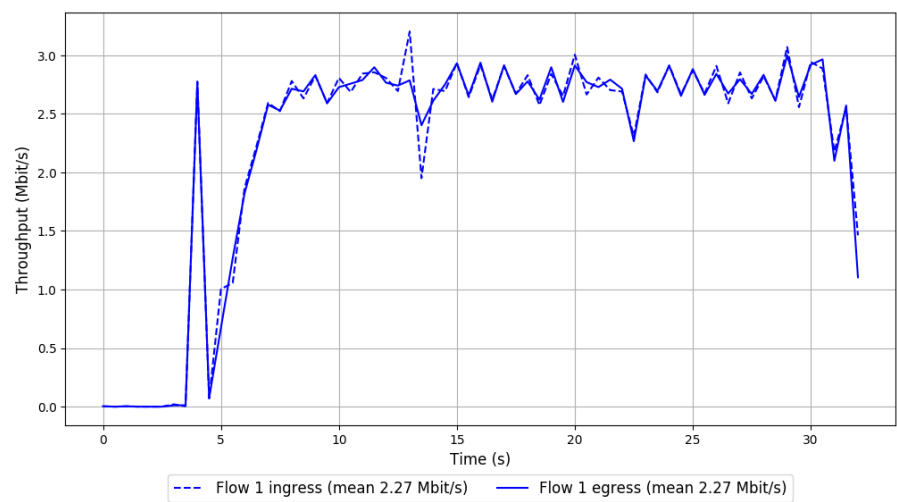
Run 5: Report of WebRTC media — Data Link

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```
Run 6: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 01:39:06 +0000
End at: Tue, 25 Jul 2017 01:39:36 +0000
Local clock offset: 0.703 ms
Remote clock offset: -1.695 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 38.233 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 38.233 ms
Loss rate: 0.46%
```
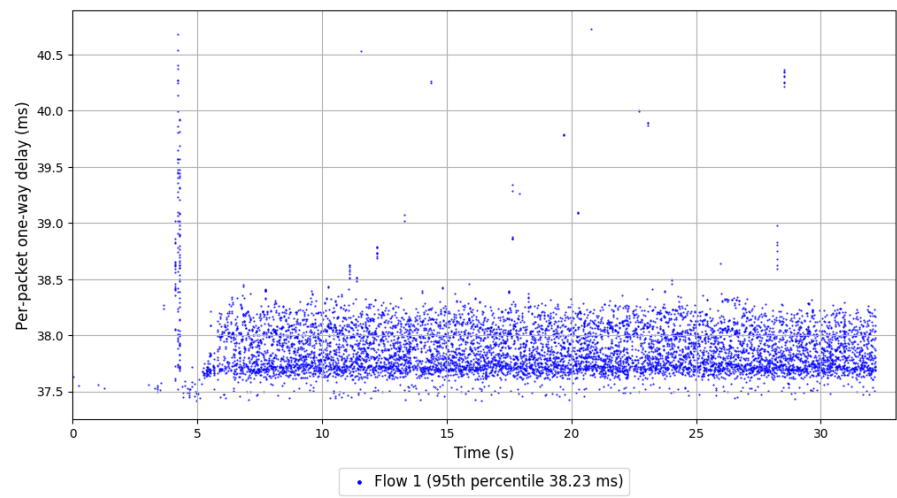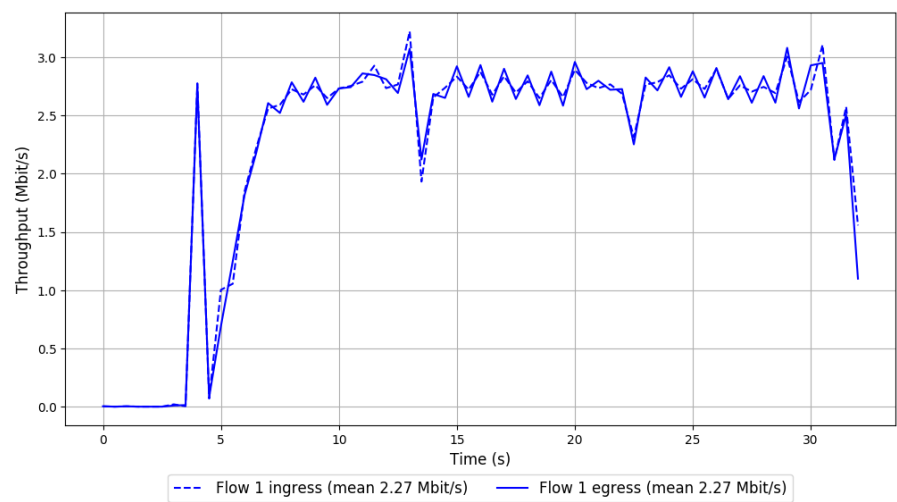
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 01:59:33 +0000
End at: Tue, 25 Jul 2017 02:00:03 +0000
Local clock offset: 0.826 ms
Remote clock offset: -1.578 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 38.405 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 38.405 ms
Loss rate: 0.30%
```
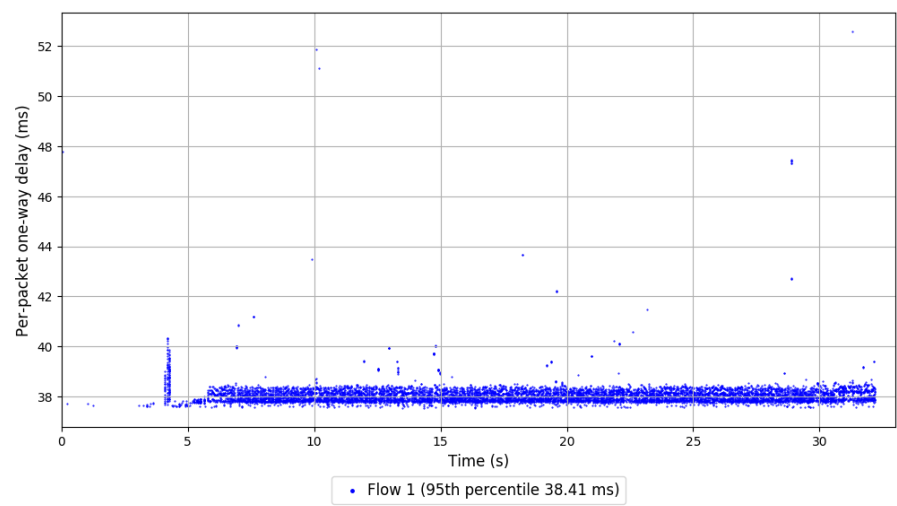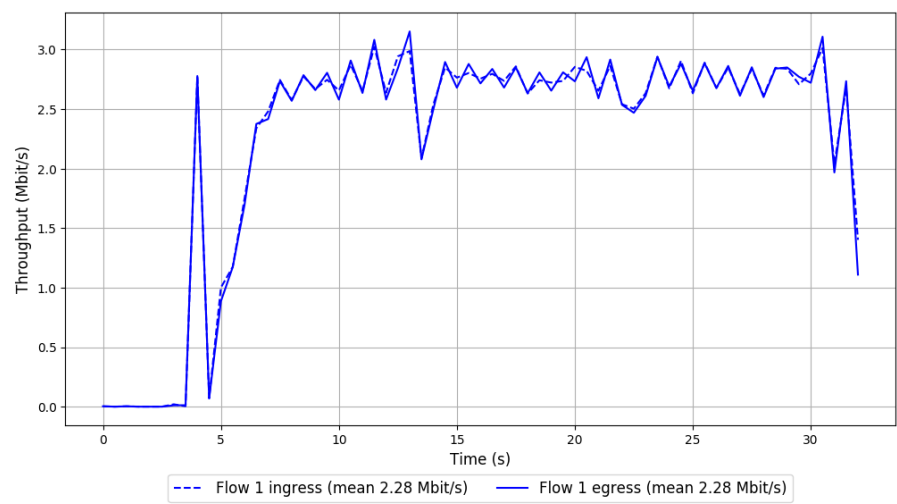
Run 7: Report of WebRTC media — Data Link

```
Run 8: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 02:20:06 +0000
End at: Tue, 25 Jul 2017 02:20:36 +0000
Local clock offset: 0.904 ms
Remote clock offset: -1.338 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 38.336 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 38.336 ms
Loss rate: 0.31%
```
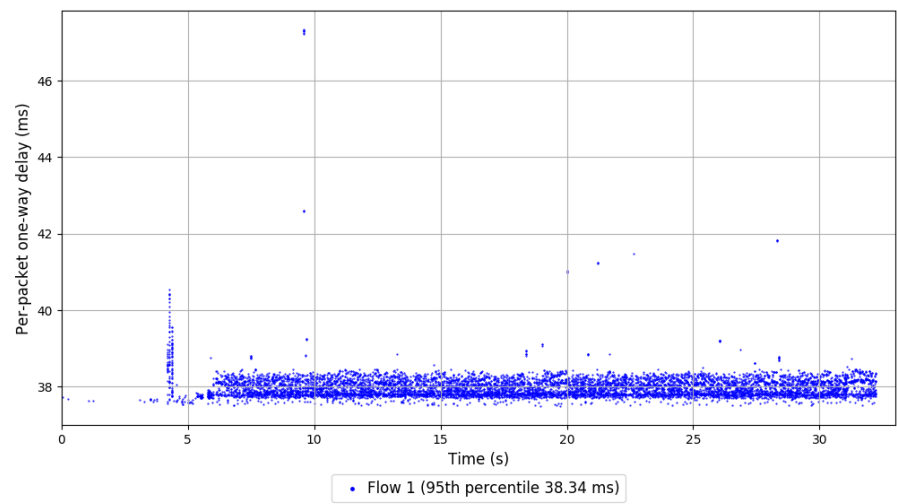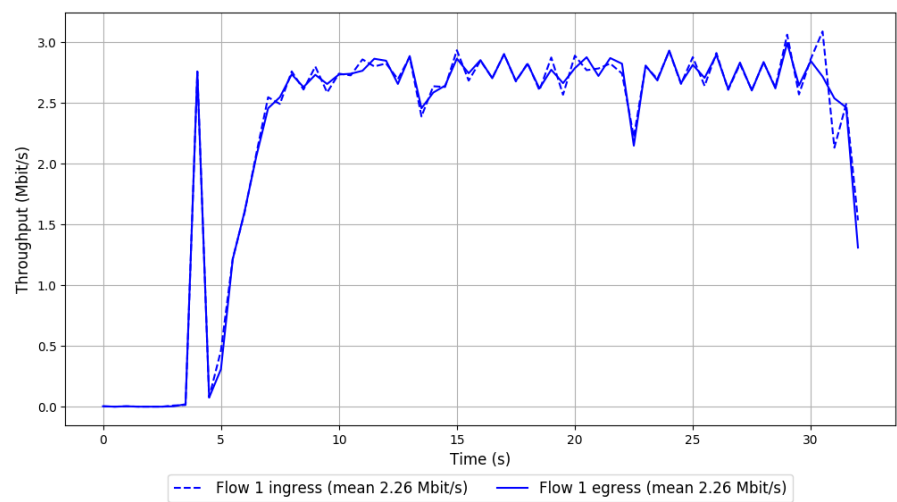
Run 8: Report of WebRTC media — Data Link

```
Run 9: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 02:40:27 +0000
End at: Tue, 25 Jul 2017 02:40:57 +0000
Local clock offset: 0.82 ms
Remote clock offset: -0.694 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 37.646 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 37.646 ms
Loss rate: 0.30%
```
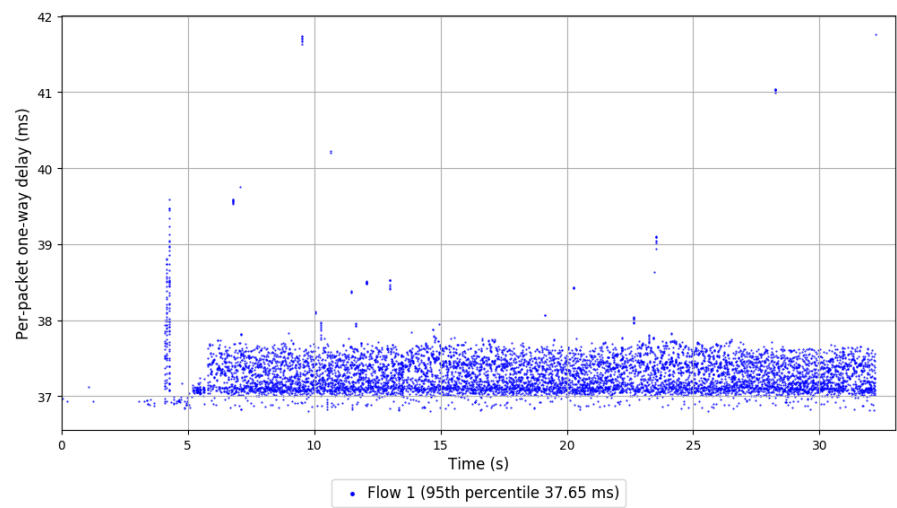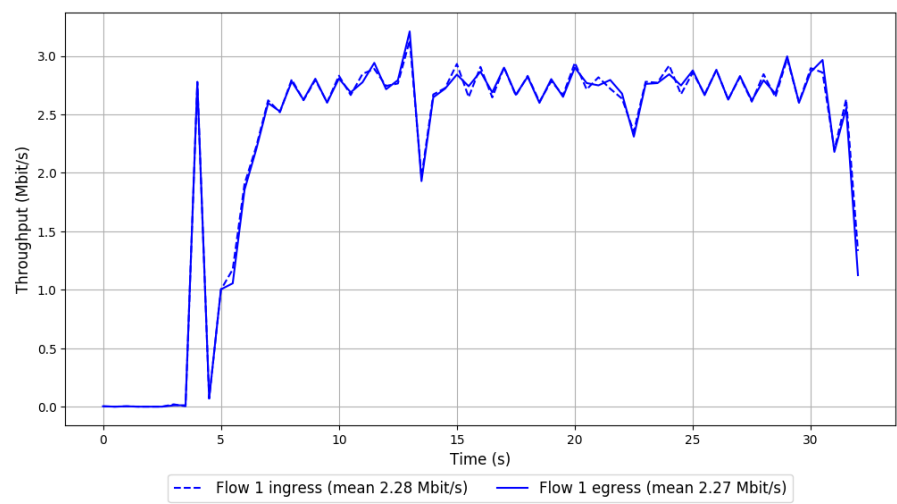
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 03:03:54 +0000
End at: Tue, 25 Jul 2017 03:04:24 +0000
Local clock offset: 0.776 ms
Remote clock offset: -2.828 ms


# Below is generated by plot.py at Tue, 25 Jul 2017 03:44:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 40.346 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 40.346 ms
Loss rate: 0.30%
```

Run 10: Report of WebRTC media — Data Link