Pantheon Report

Generated at 2017-08-11 10:29:07 (UTC).

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

Repeated the test of 15 congestion control schemes 10 times.
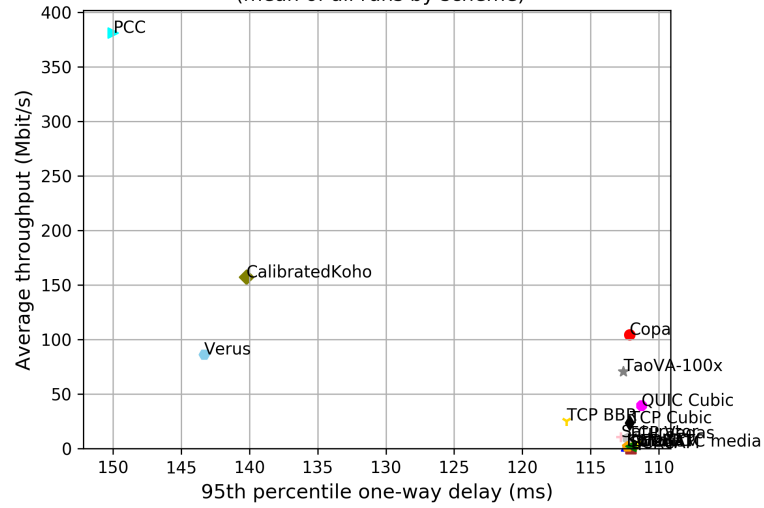
Each test lasted for 30 seconds running 1 flow.

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

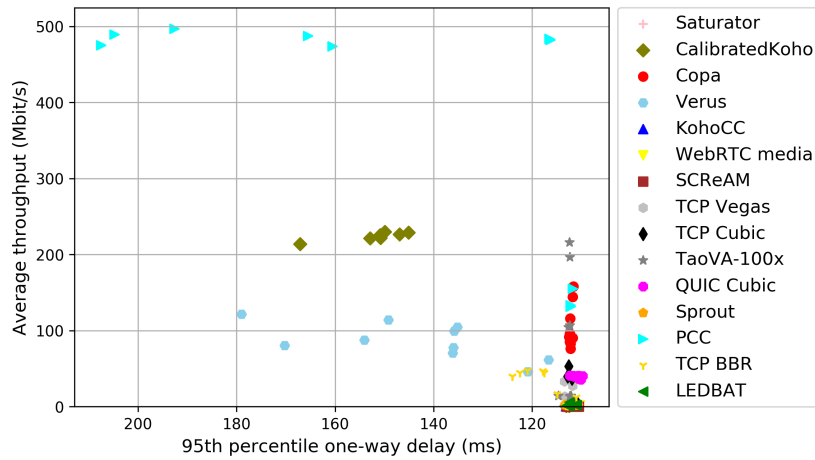Tested BBR with qdisc of Fair Queuing (`fq`), and other schemes with the default Linux qdisc (`pfifo_fast`).

```
Git summary:
branch: master @ e43be7582298d552838afcf6382342bf187fbbd6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
 M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
 M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
 M receiver/src/buffer.h
 M receiver/src/core.cpp
 M sender/src/buffer.h
 M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
 M src/examples/cellsim.cc
 M src/examples/sproutbt2.cc
 M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
 M src/verus.hpp
 M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from GCE London Ethernet to GCE Tokyo Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)

test from GCE London Ethernet to GCE Tokyo 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	25.54	116.75	15.11
CalibratedKoho	10	157.10	140.24	21.12
Copa	9	104.50	112.14	0.04
TCP Cubic	6	23.62	112.13	1.35
KohoCC	10	2.77	112.38	45.87
LEDBAT	10	2.16	112.05	1.48
PCC	10	380.93	149.99	2.91
QUIC Cubic	9	39.48	111.27	0.00
Saturator	8	10.58	112.76	0.00
SCReAM	10	0.21	112.05	0.01
Sprout	10	1.92	112.31	2.25
TaoVA-100x	10	70.83	112.59	0.36
TCP Vegas	10	9.63	112.28	1.38
Verus	10	86.35	143.33	12.71
WebRTC media	10	2.11	111.70	0.00

```
Run 1: Statistics of TCP BBR

Start at: 2017-08-11 07:24:33
End at: 2017-08-11 07:25:03

# Below is generated by plot.py at 2017-08-11 10:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 124.067 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 124.067 ms
Loss rate: 2.80%
```
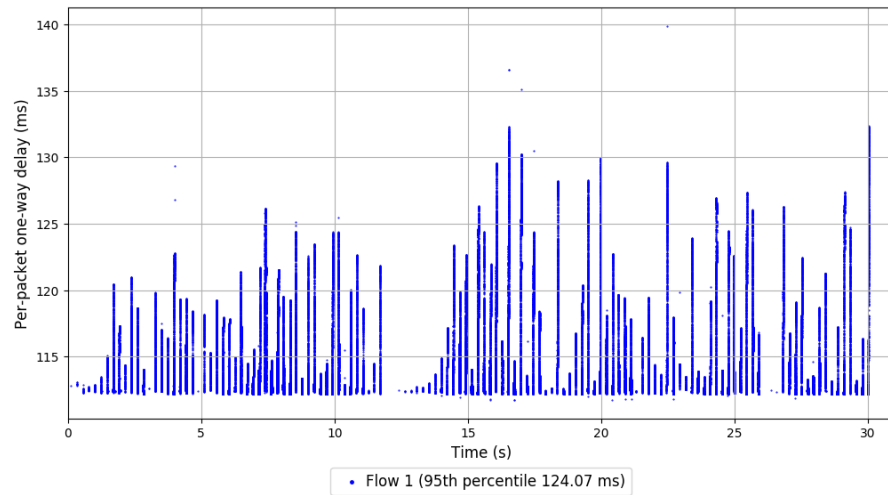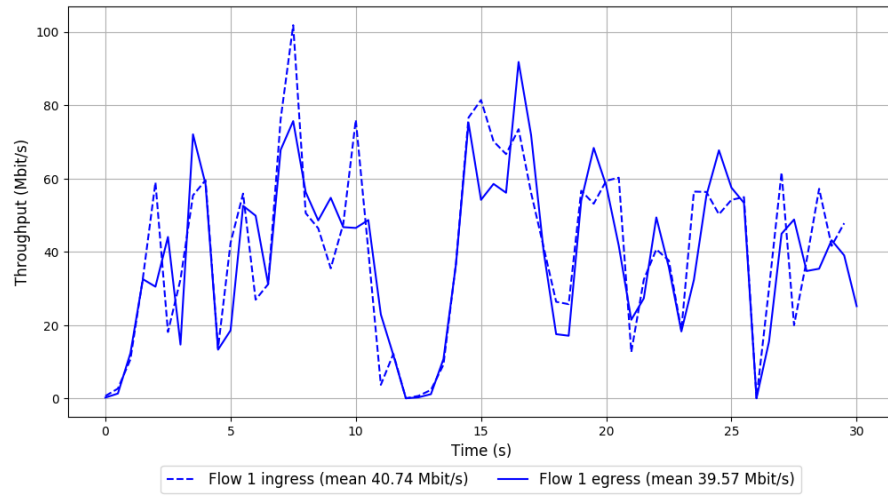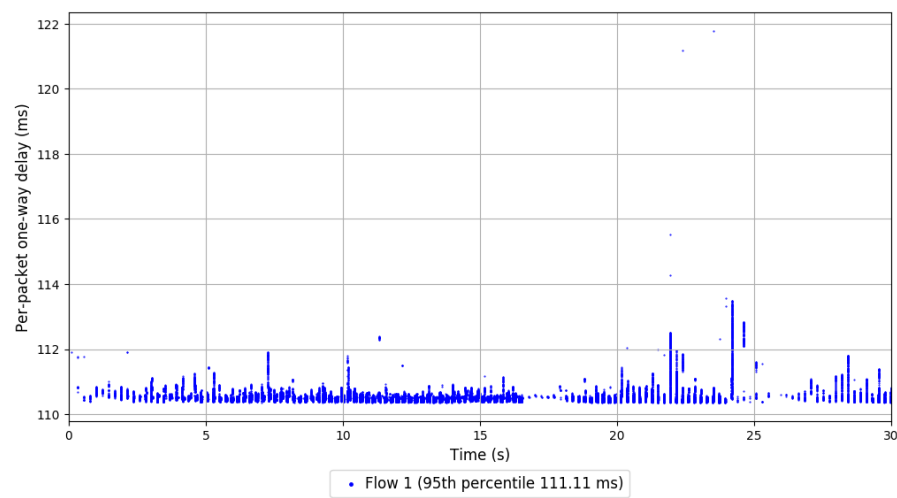
Run 1: Report of TCP BBR — Data Link

```
Run 2: Statistics of TCP BBR

Start at: 2017-08-11 07:35:52
End at: 2017-08-11 07:36:23

# Below is generated by plot.py at 2017-08-11 10:10:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 111.106 ms
Loss rate: 27.17%
-- Flow 1:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 111.106 ms
Loss rate: 27.17%
```
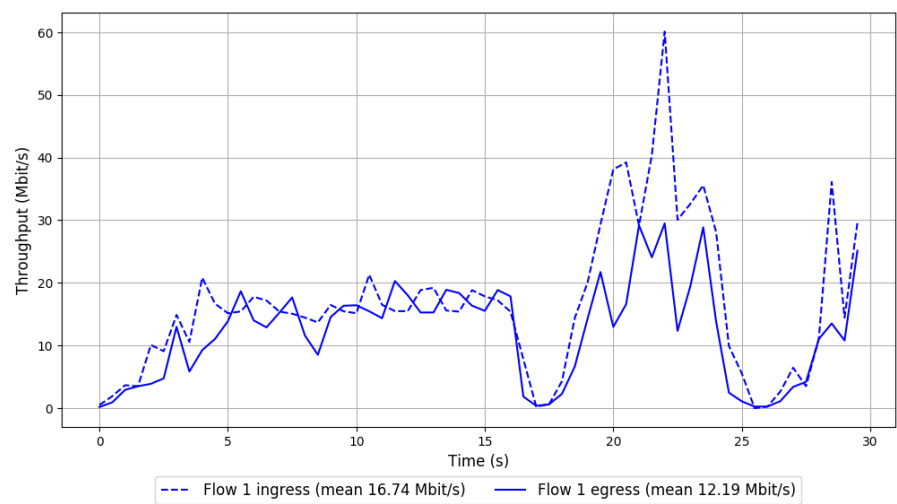
Run 2: Report of TCP BBR — Data Link

Flow 1 ingress (mean 16.74 Mbit/s) --- Flow 1 egress (mean 12.19 Mbit/s)

Flow 1 (95th percentile 111.11 ms)

7

```
Run 3: Statistics of TCP BBR

Start at: 2017-08-11 07:47:28
End at: 2017-08-11 07:47:58

# Below is generated by plot.py at 2017-08-11 10:10:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 120.953 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 47.49 Mbit/s
95th percentile per-packet one-way delay: 120.953 ms
Loss rate: 2.97%
```
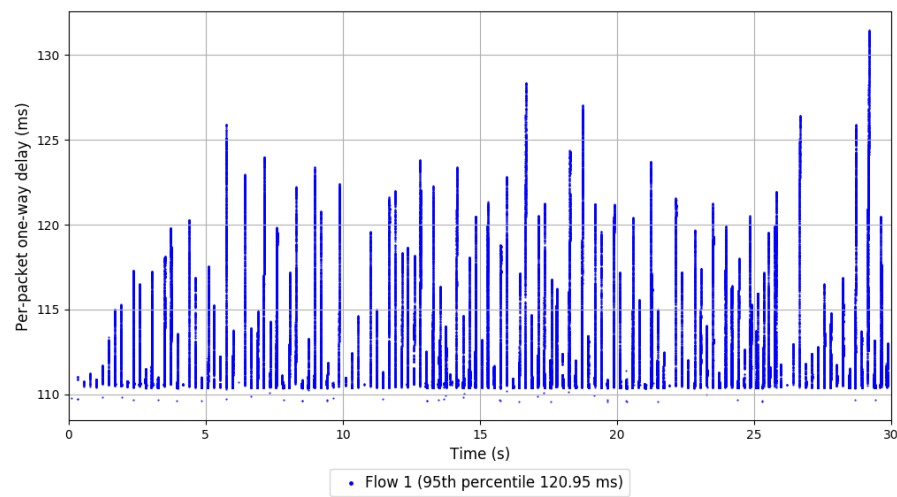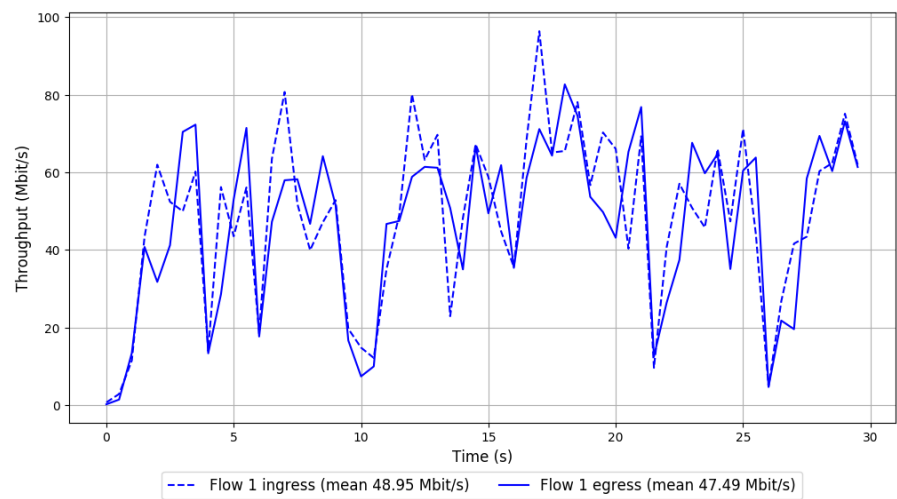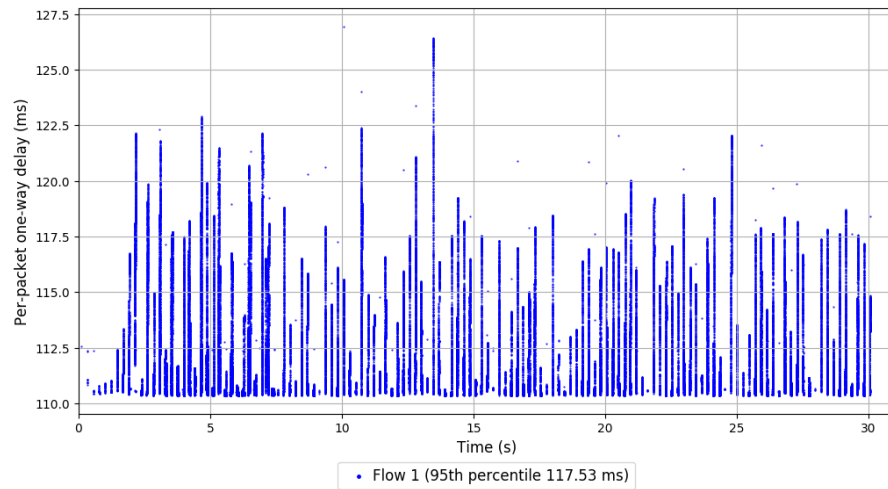
Run 3: Report of TCP BBR — Data Link

Flow 1 ingress (mean 48.95 Mbit/s) ---- Flow 1 egress (mean 47.49 Mbit/s) ——

• Flow 1 (95th percentile 120.95 ms)

9

```
Run 4: Statistics of TCP BBR

Start at: 2017-08-11 07:59:04
End at: 2017-08-11 07:59:34

# Below is generated by plot.py at 2017-08-11 10:10:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.37 Mbit/s
95th percentile per-packet one-way delay: 117.530 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 44.37 Mbit/s
95th percentile per-packet one-way delay: 117.530 ms
Loss rate: 3.16%
```
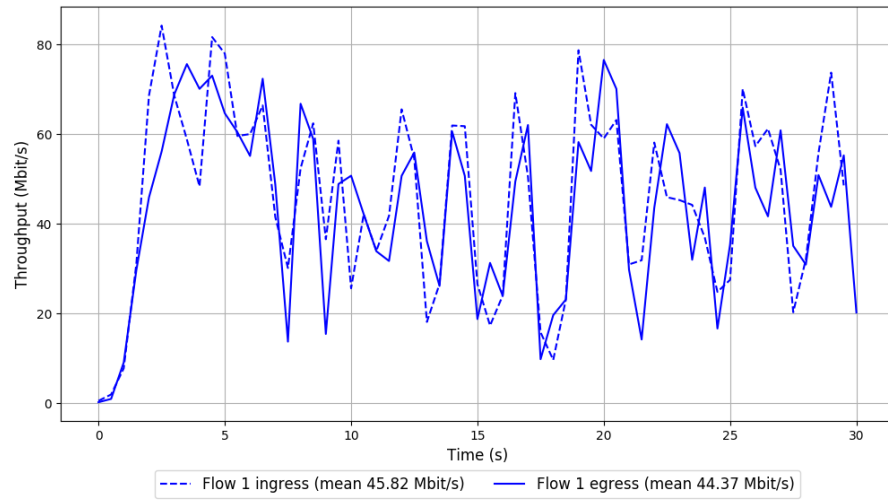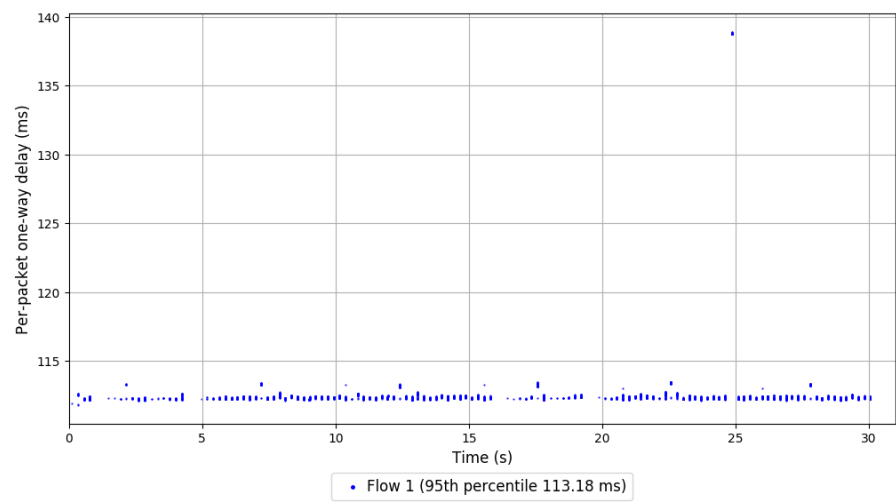
Run 4: Report of TCP BBR — Data Link

Flow 1 ingress (mean 45.82 Mbit/s) —— Flow 1 egress (mean 44.37 Mbit/s)

· Flow 1 (95th percentile 117.53 ms)

```
Run 5: Statistics of TCP BBR

Start at: 2017-08-11 08:10:05
End at: 2017-08-11 08:10:35

# Below is generated by plot.py at 2017-08-11 10:10:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 113.181 ms
Loss rate: 13.24%
-- Flow 1:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 113.181 ms
Loss rate: 13.24%
```
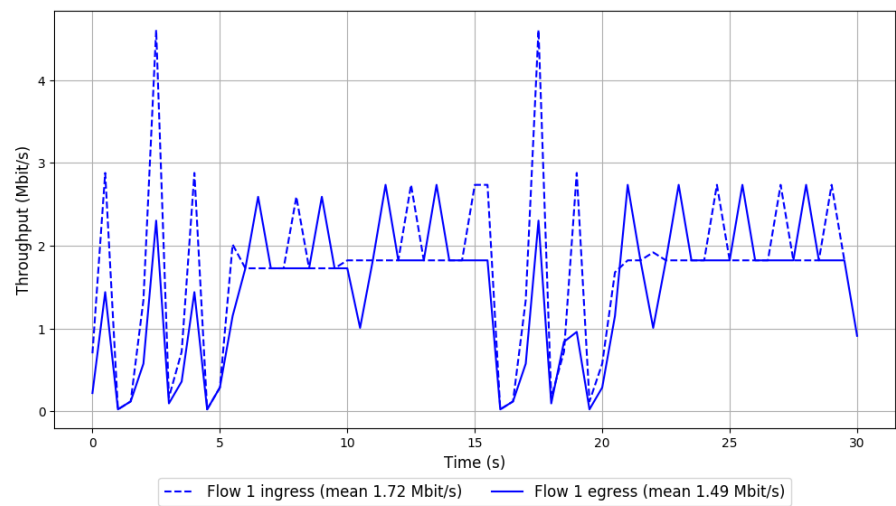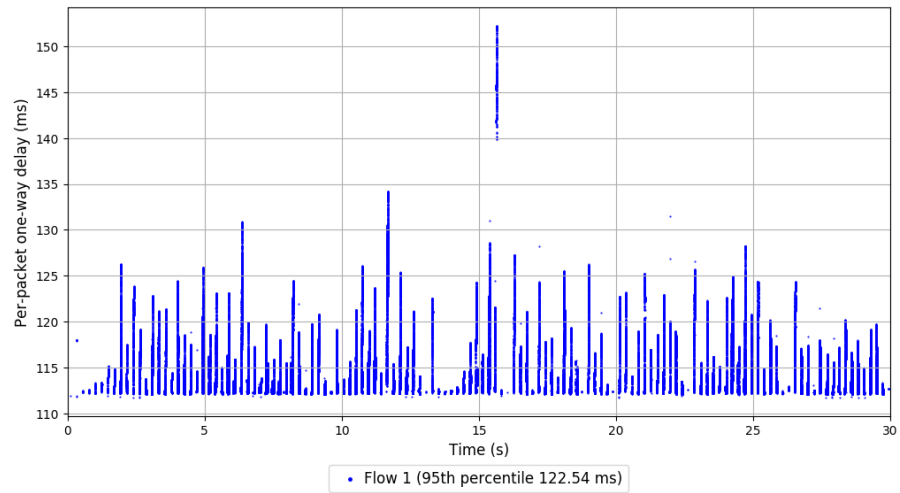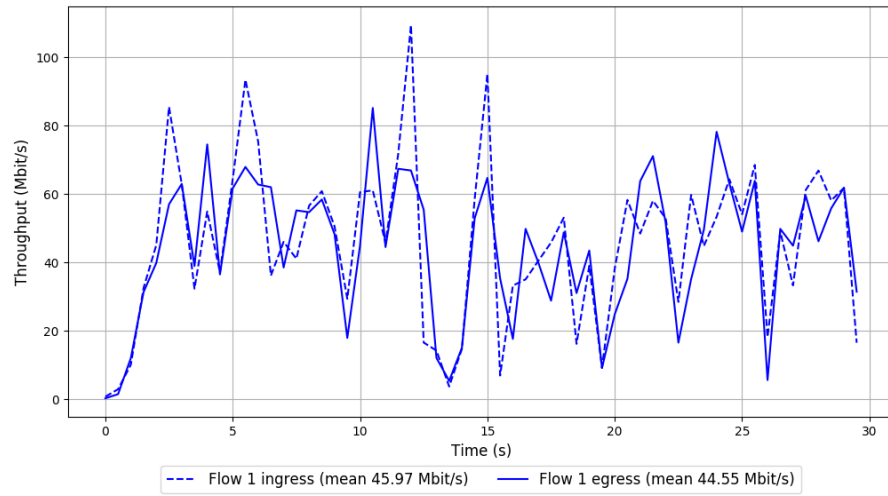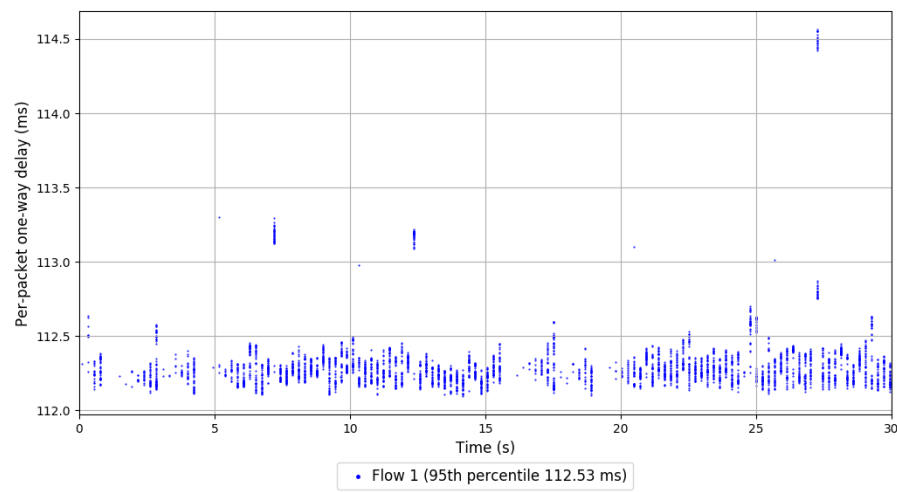
Run 5: Report of TCP BBR — Data Link

Flow 1 ingress (mean 1.72 Mbit/s)   Flow 1 egress (mean 1.49 Mbit/s)

• Flow 1 (95th percentile 113.18 ms)

13

```
Run 6: Statistics of TCP BBR

Start at: 2017-08-11 08:21:08
End at: 2017-08-11 08:21:38

# Below is generated by plot.py at 2017-08-11 10:10:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.55 Mbit/s
95th percentile per-packet one-way delay: 122.541 ms
Loss rate: 3.07%
-- Flow 1:
Average throughput: 44.55 Mbit/s
95th percentile per-packet one-way delay: 122.541 ms
Loss rate: 3.07%
```
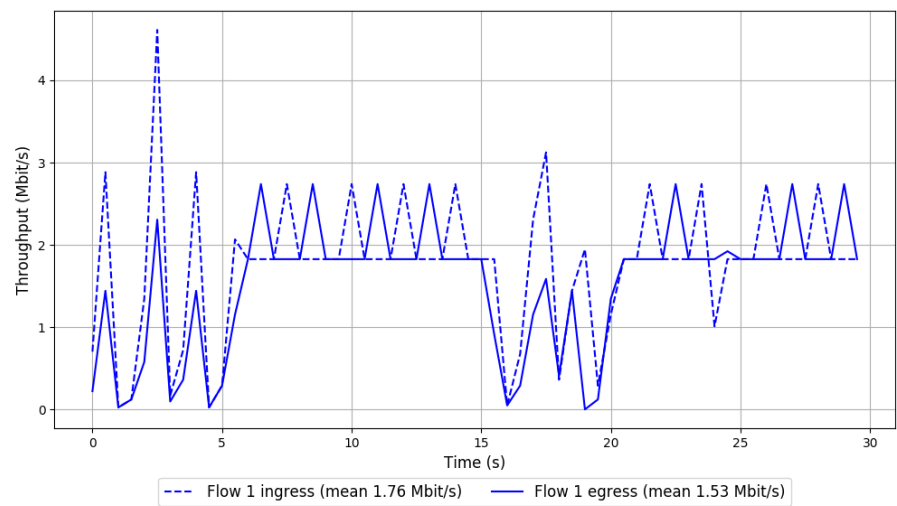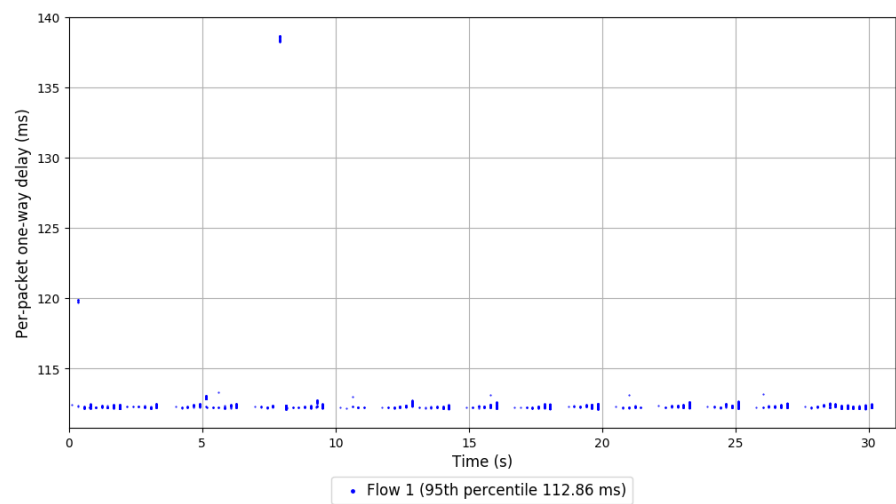
Run 6: Report of TCP BBR — Data Link

Flow 1 ingress (mean 45.97 Mbit/s)   Flow 1 egress (mean 44.55 Mbit/s)

Flow 1 (95th percentile 122.54 ms)

```
Run 7: Statistics of TCP BBR

Start at: 2017-08-11 08:32:09
End at: 2017-08-11 08:32:39

# Below is generated by plot.py at 2017-08-11 10:10:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 112.529 ms
Loss rate: 13.01%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 112.529 ms
Loss rate: 13.01%
```
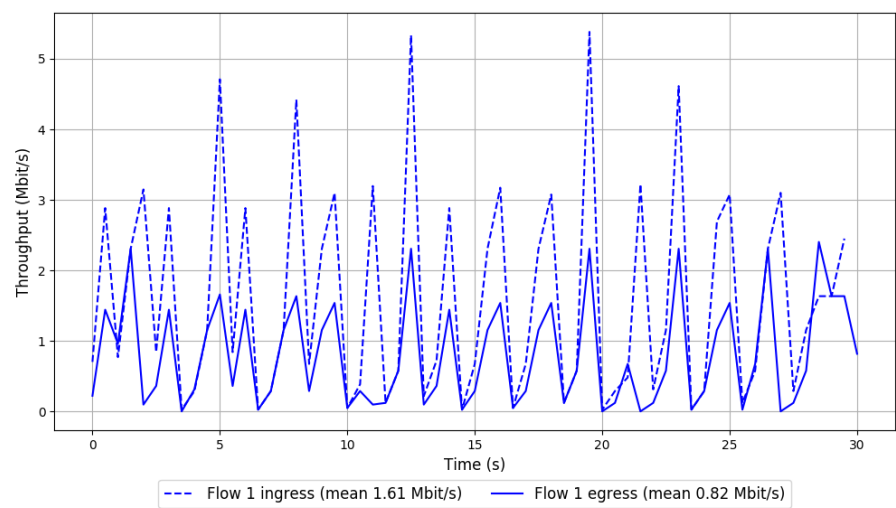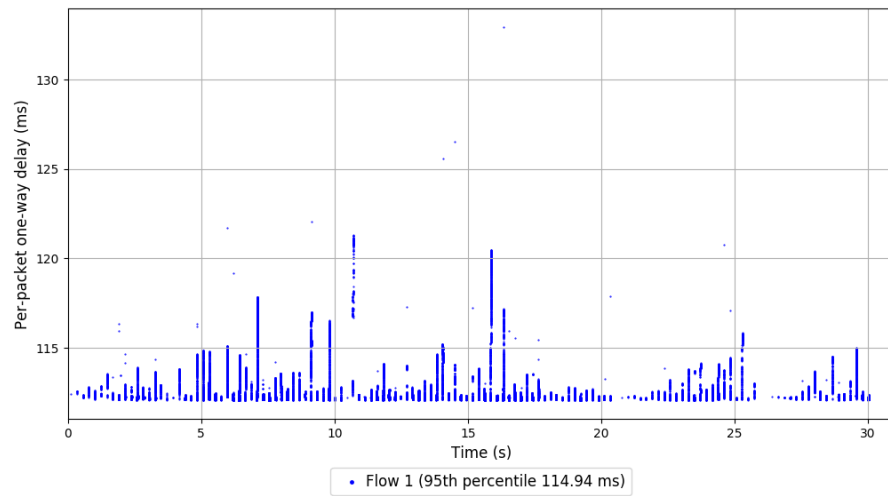
Run 7: Report of TCP BBR — Data Link

```
Run 8: Statistics of TCP BBR

Start at: 2017-08-11 08:43:25
End at: 2017-08-11 08:43:55

# Below is generated by plot.py at 2017-08-11 10:10:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 112.855 ms
Loss rate: 49.12%
-- Flow 1:
Average throughput: 0.82 Mbit/s
95th percentile per-packet one-way delay: 112.855 ms
Loss rate: 49.12%
```
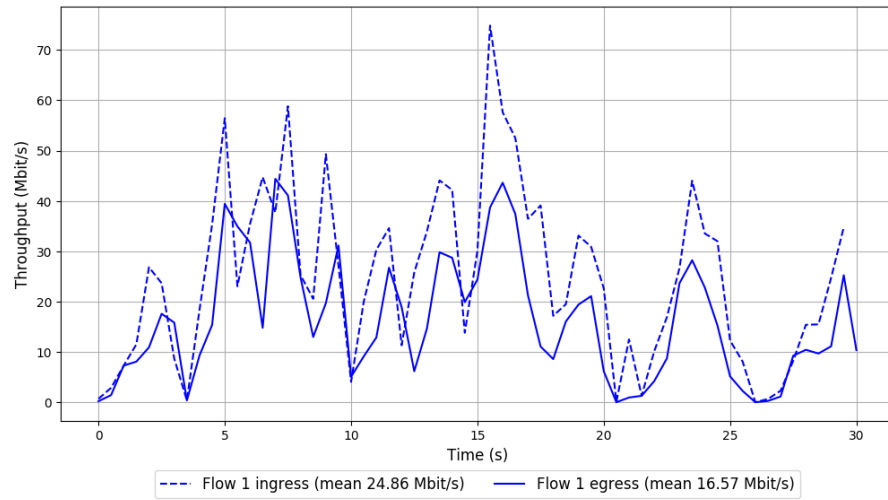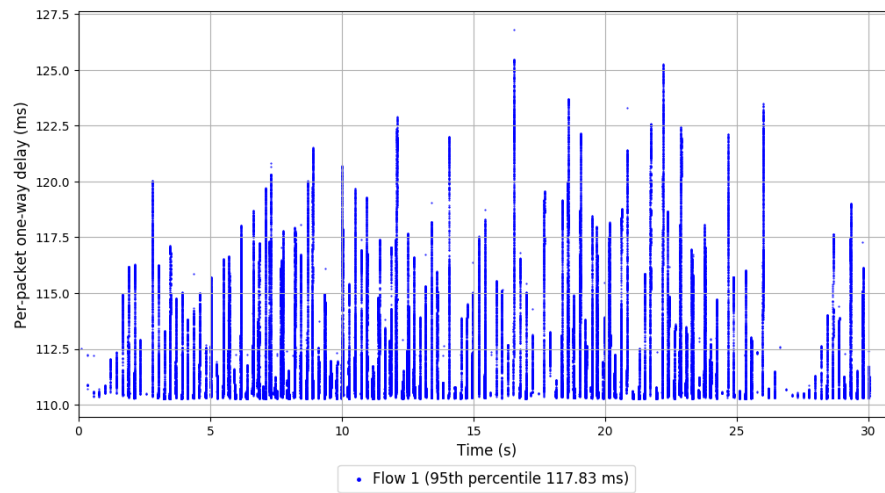
Run 8: Report of TCP BBR — Data Link

Flow 1 ingress (mean 1.61 Mbit/s)   Flow 1 egress (mean 0.82 Mbit/s)

Flow 1 (95th percentile 112.86 ms)

```
Run 9: Statistics of TCP BBR

Start at: 2017-08-11 08:54:26
End at: 2017-08-11 08:54:56

# Below is generated by plot.py at 2017-08-11 10:10:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 114.938 ms
Loss rate: 33.34%
-- Flow 1:
Average throughput: 16.57 Mbit/s
95th percentile per-packet one-way delay: 114.938 ms
Loss rate: 33.34%
```
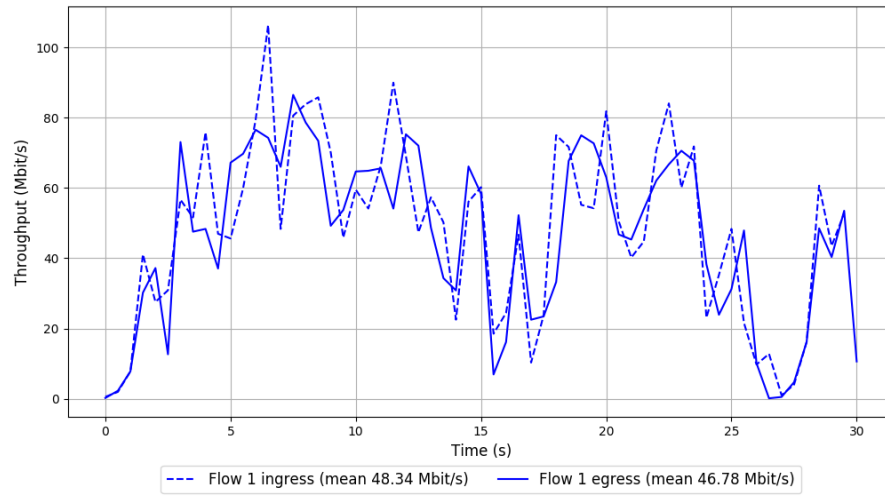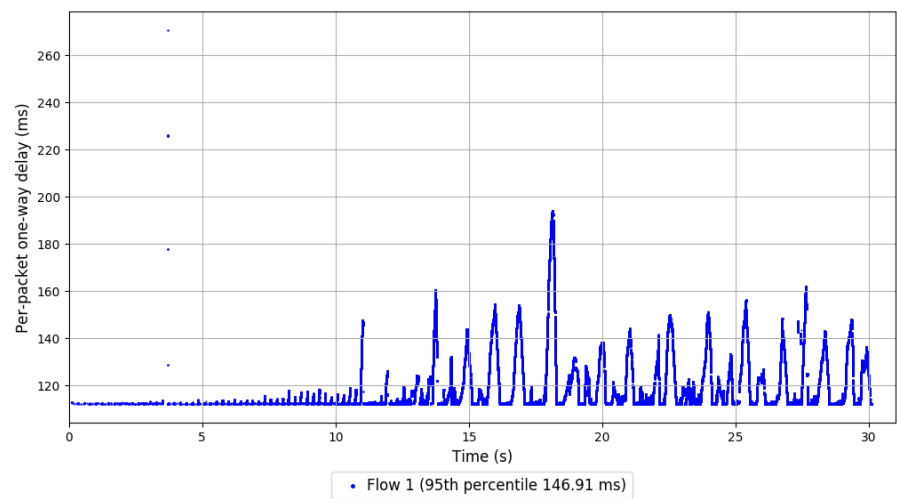
Run 9: Report of TCP BBR — Data Link

Flow 1 ingress (mean 24.86 Mbit/s) ----   Flow 1 egress (mean 16.57 Mbit/s) ——

Flow 1 (95th percentile 114.94 ms) •

```
Run 10: Statistics of TCP BBR

Start at: 2017-08-11 09:06:05
End at: 2017-08-11 09:06:35

# Below is generated by plot.py at 2017-08-11 10:11:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 117.825 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 46.78 Mbit/s
95th percentile per-packet one-way delay: 117.825 ms
Loss rate: 3.24%
```
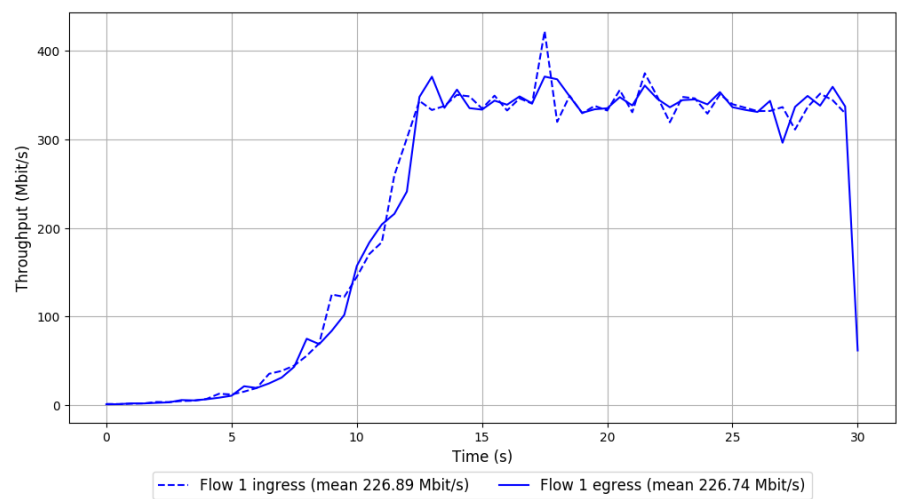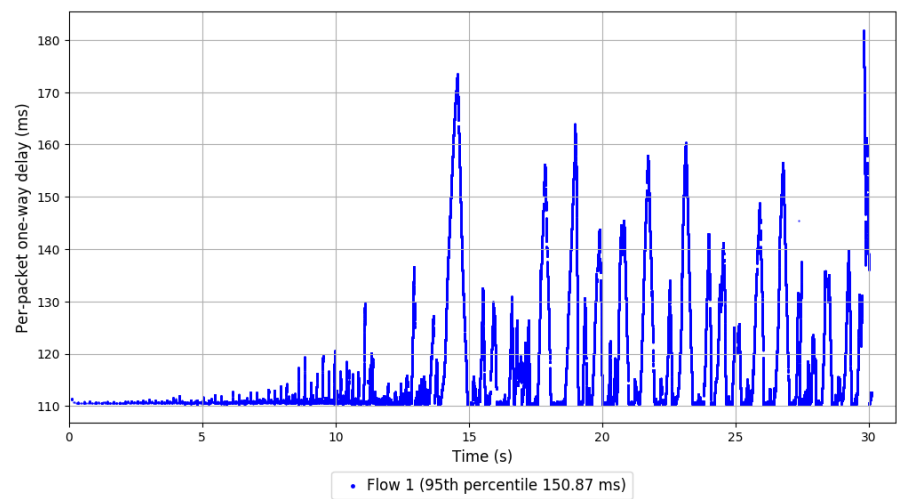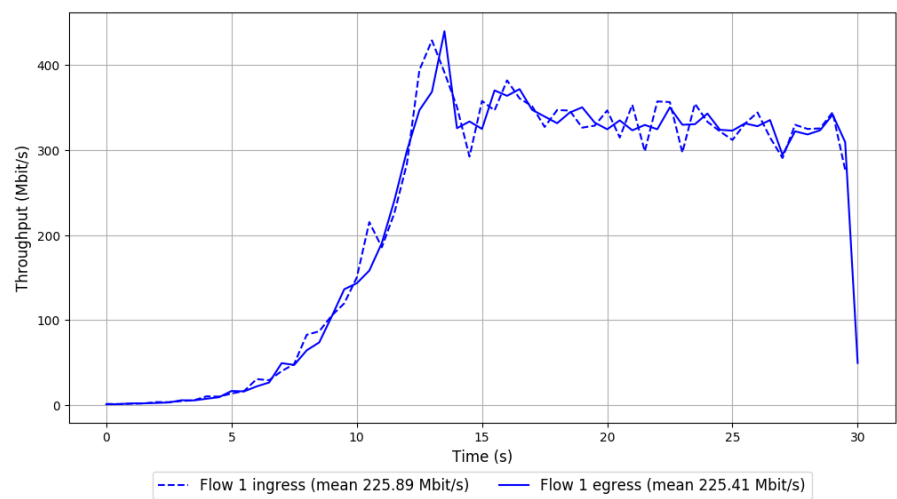
Run 10: Report of TCP BBR — Data Link

Flow 1 ingress (mean 48.34 Mbit/s)　　Flow 1 egress (mean 46.78 Mbit/s)

Flow 1 (95th percentile 117.83 ms)

```
Run 1: Statistics of CalibratedKoho

Start at: 2017-08-11 07:28:20
End at: 2017-08-11 07:28:50

# Below is generated by plot.py at 2017-08-11 10:11:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.74 Mbit/s
95th percentile per-packet one-way delay: 146.910 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 226.74 Mbit/s
95th percentile per-packet one-way delay: 146.910 ms
Loss rate: 0.07%
```
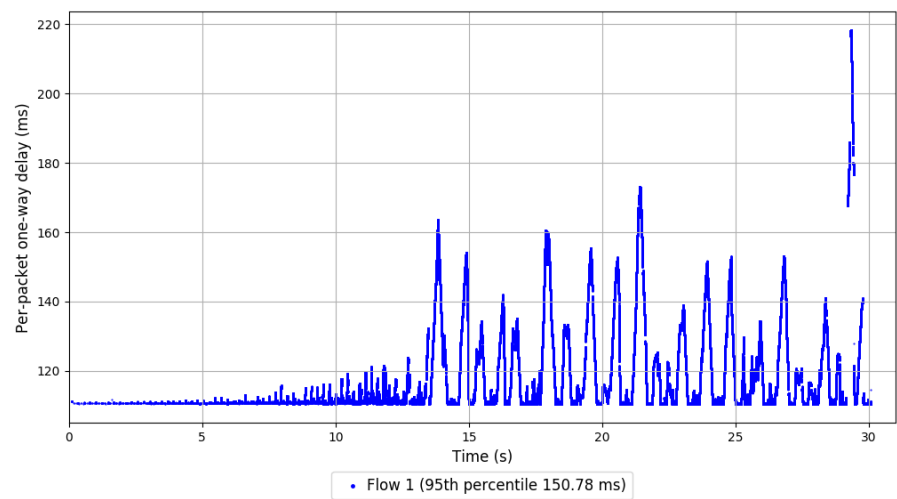
Run 1: Report of CalibratedKoho — Data Link

```
Run 2: Statistics of CalibratedKoho

Start at: 2017-08-11 07:39:34
End at: 2017-08-11 07:40:04

# Below is generated by plot.py at 2017-08-11 10:11:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.41 Mbit/s
95th percentile per-packet one-way delay: 150.870 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 225.41 Mbit/s
95th percentile per-packet one-way delay: 150.870 ms
Loss rate: 0.21%
```
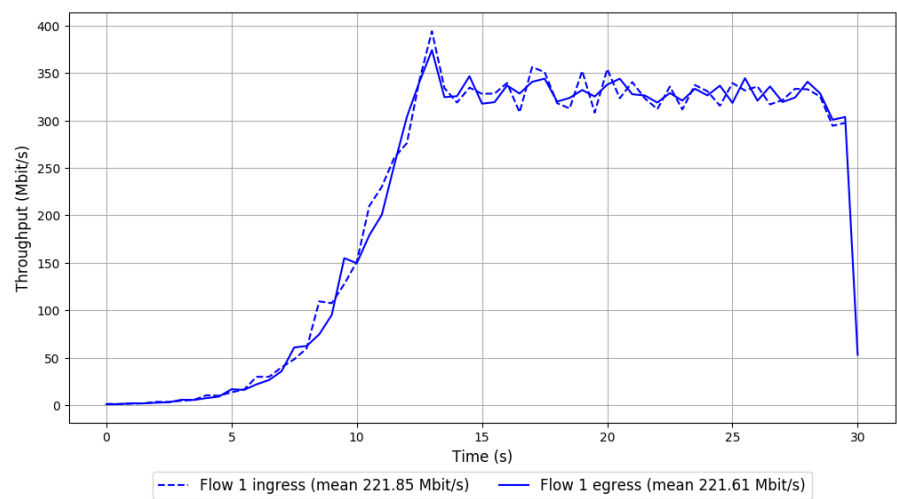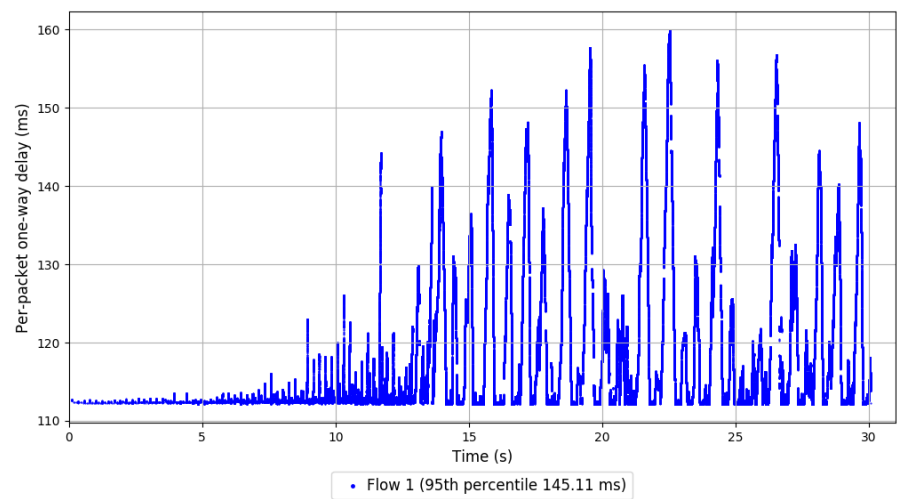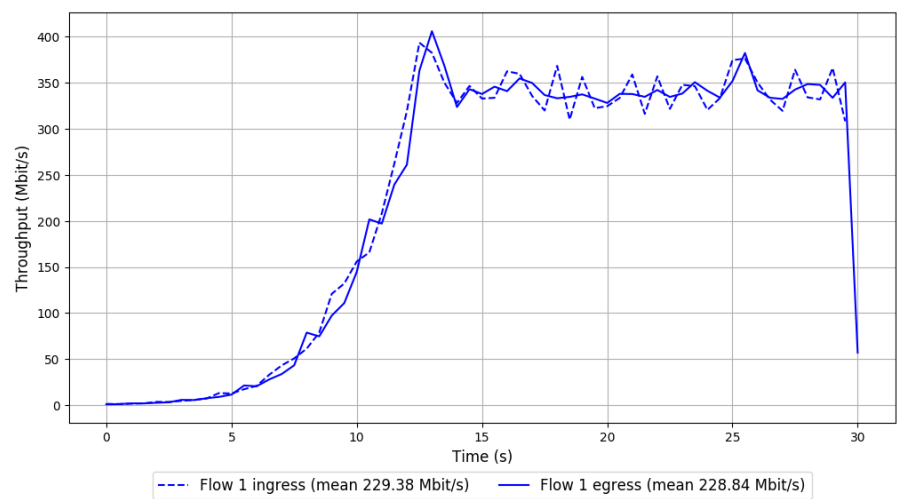
Run 2: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 225.89 Mbit/s)   Flow 1 egress (mean 225.41 Mbit/s)

Flow 1 (95th percentile 150.87 ms)

```
Run 3: Statistics of CalibratedKoho

Start at: 2017-08-11 07:51:22
End at: 2017-08-11 07:51:52

# Below is generated by plot.py at 2017-08-11 10:12:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.61 Mbit/s
95th percentile per-packet one-way delay: 150.776 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 221.61 Mbit/s
95th percentile per-packet one-way delay: 150.776 ms
Loss rate: 0.10%
```
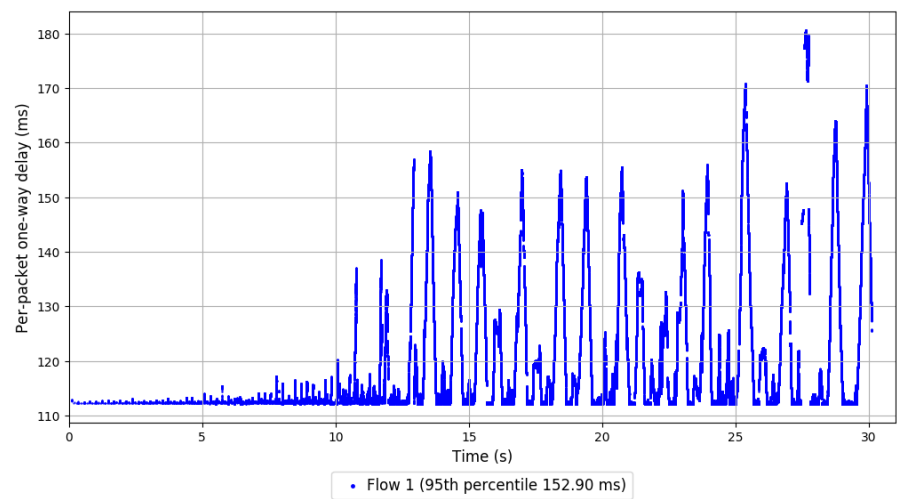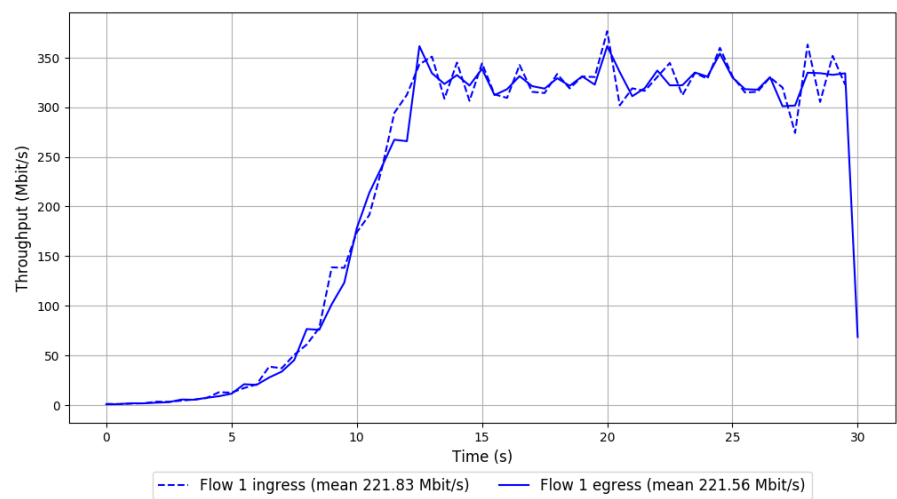
Run 3: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 221.85 Mbit/s) --- Flow 1 egress (mean 221.61 Mbit/s)

Flow 1 (95th percentile 150.78 ms)

```
Run 4: Statistics of CalibratedKoho

Start at: 2017-08-11 08:02:47
End at: 2017-08-11 08:03:17


# Below is generated by plot.py at 2017-08-11 10:12:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.84 Mbit/s
95th percentile per-packet one-way delay: 145.108 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 228.84 Mbit/s
95th percentile per-packet one-way delay: 145.108 ms
Loss rate: 0.24%
```
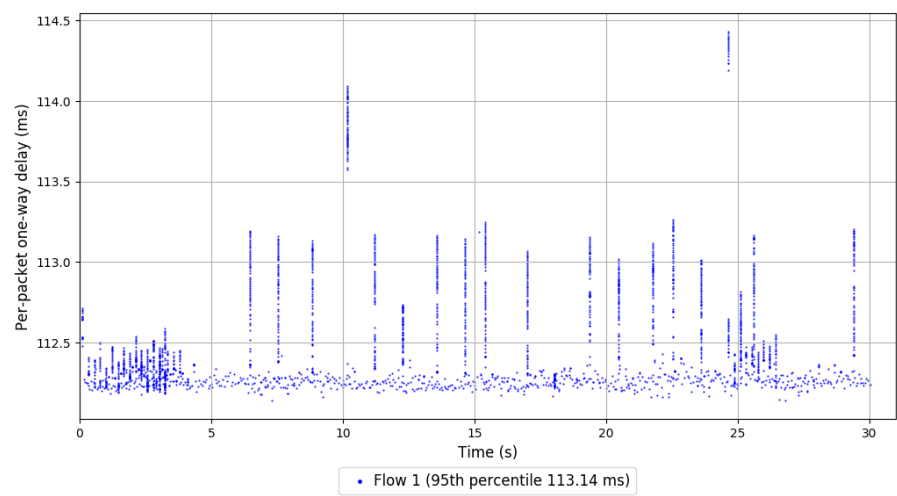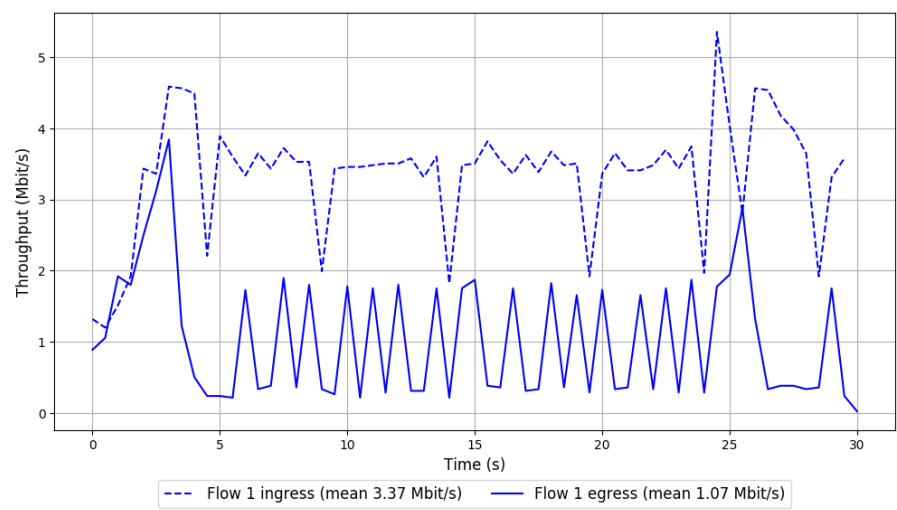
Run 4: Report of CalibratedKoho — Data Link

```
Run 5: Statistics of CalibratedKoho

Start at: 2017-08-11 08:13:47
End at: 2017-08-11 08:14:17

# Below is generated by plot.py at 2017-08-11 10:13:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.56 Mbit/s
95th percentile per-packet one-way delay: 152.901 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 221.56 Mbit/s
95th percentile per-packet one-way delay: 152.901 ms
Loss rate: 0.11%
```
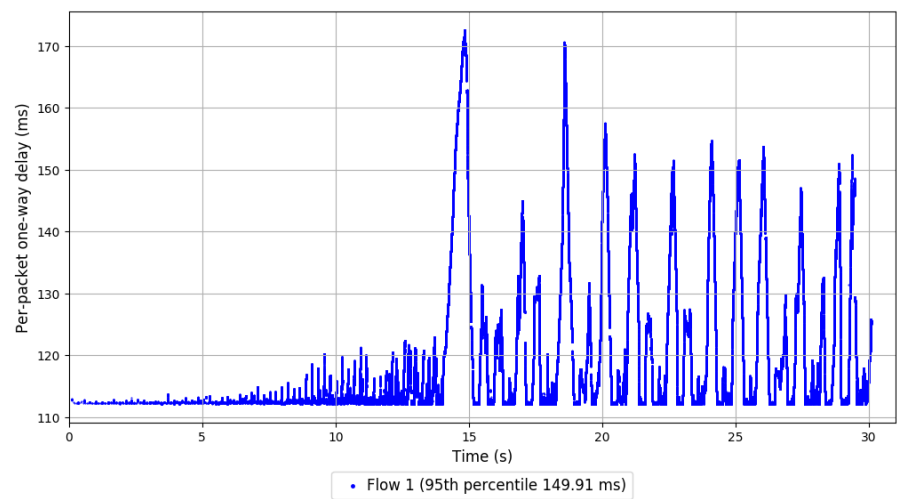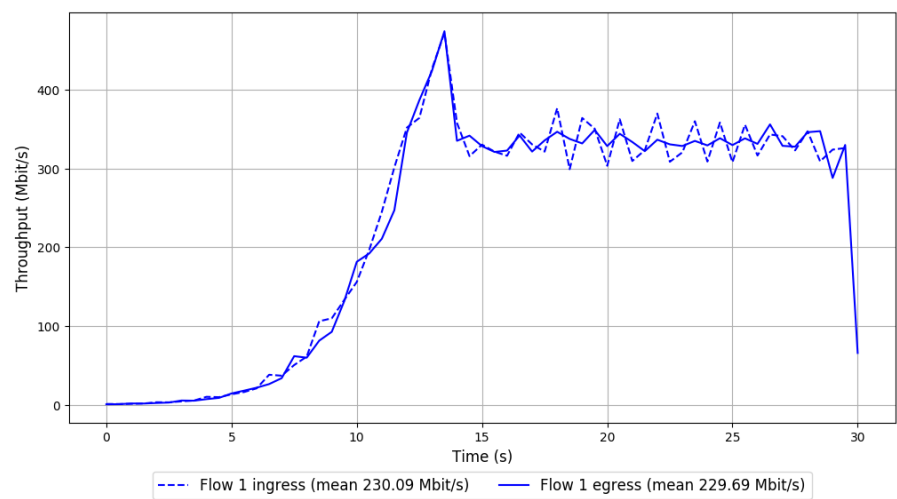
Run 5: Report of CalibratedKoho — Data Link

```
Run 6: Statistics of CalibratedKoho

Start at: 2017-08-11 08:24:53
End at: 2017-08-11 08:25:23

# Below is generated by plot.py at 2017-08-11 10:13:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 113.144 ms
Loss rate: 68.12%
-- Flow 1:
Average throughput: 1.07 Mbit/s
95th percentile per-packet one-way delay: 113.144 ms
Loss rate: 68.12%
```
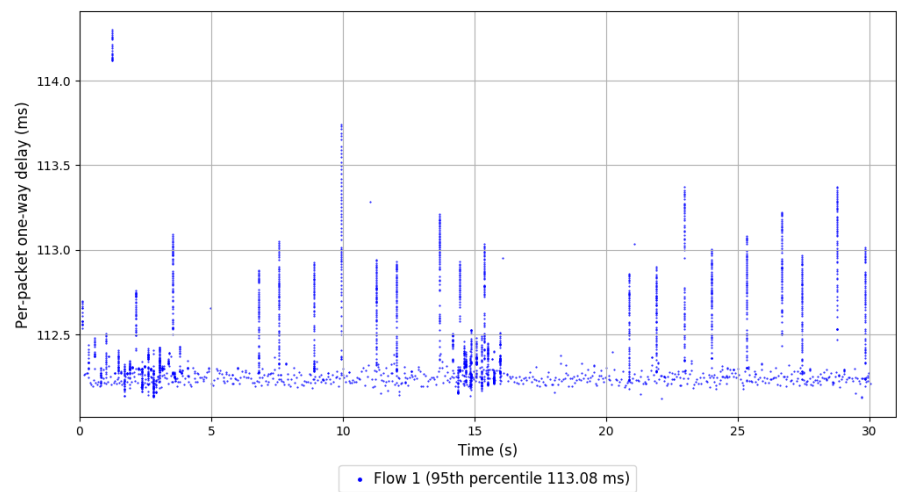
Run 6: Report of CalibratedKoho — Data Link

```
Run 7: Statistics of CalibratedKoho

Start at: 2017-08-11 08:35:52
End at: 2017-08-11 08:36:22

# Below is generated by plot.py at 2017-08-11 10:13:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.69 Mbit/s
95th percentile per-packet one-way delay: 149.908 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 229.69 Mbit/s
95th percentile per-packet one-way delay: 149.908 ms
Loss rate: 0.15%
```
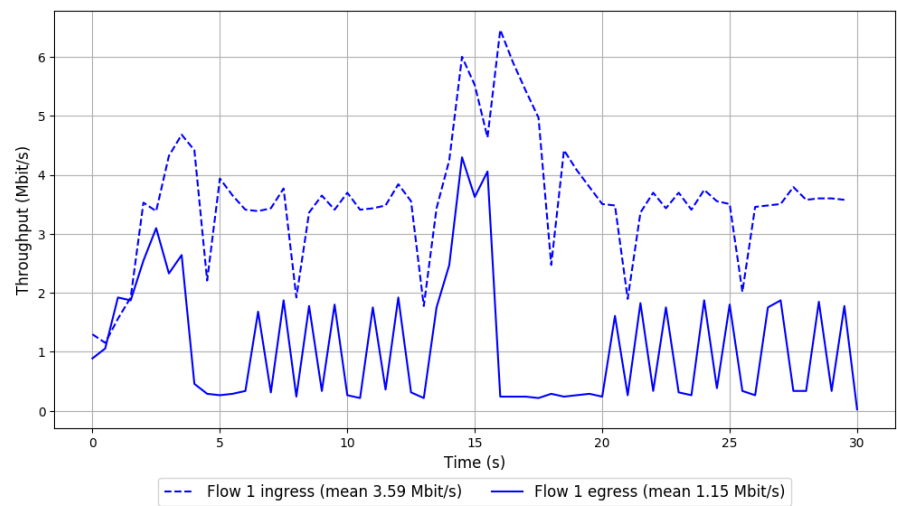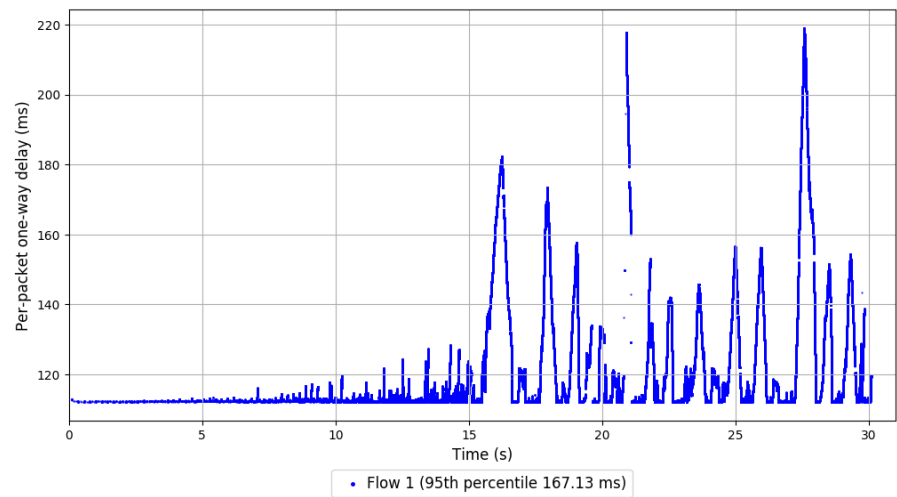
Run 7: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 230.09 Mbit/s) Flow 1 egress (mean 229.69 Mbit/s)

Flow 1 (95th percentile 149.91 ms)

```
Run 8: Statistics of CalibratedKoho

Start at: 2017-08-11 08:47:10
End at: 2017-08-11 08:47:40

# Below is generated by plot.py at 2017-08-11 10:13:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 113.078 ms
Loss rate: 67.97%
-- Flow 1:
Average throughput: 1.15 Mbit/s
95th percentile per-packet one-way delay: 113.078 ms
Loss rate: 67.97%
```
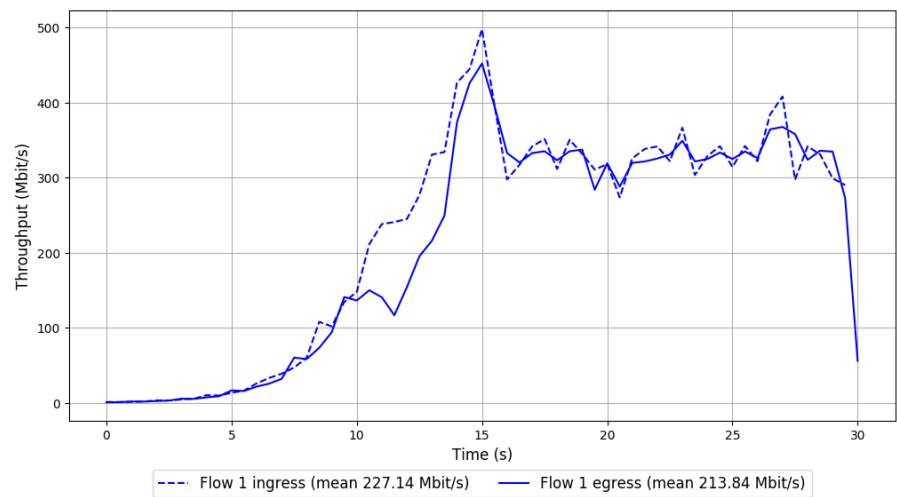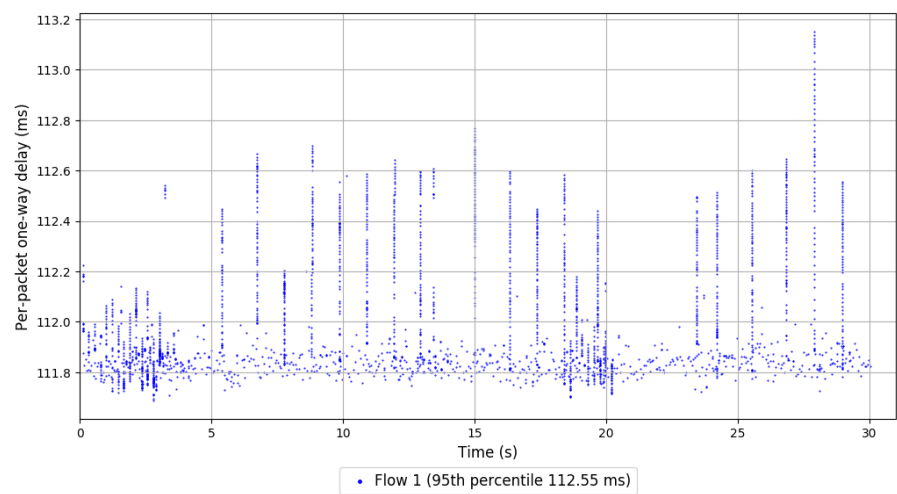
Run 8: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 3.59 Mbit/s)   Flow 1 egress (mean 1.15 Mbit/s)

Flow 1 (95th percentile 113.08 ms)

```
Run 9: Statistics of CalibratedKoho

Start at: 2017-08-11 08:58:08
End at: 2017-08-11 08:58:38

# Below is generated by plot.py at 2017-08-11 10:13:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.84 Mbit/s
95th percentile per-packet one-way delay: 167.134 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 213.84 Mbit/s
95th percentile per-packet one-way delay: 167.134 ms
Loss rate: 5.86%
```
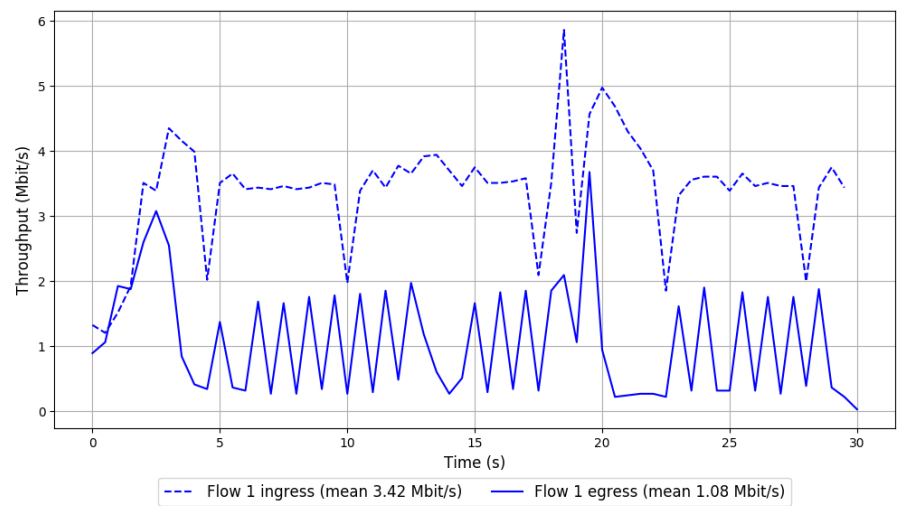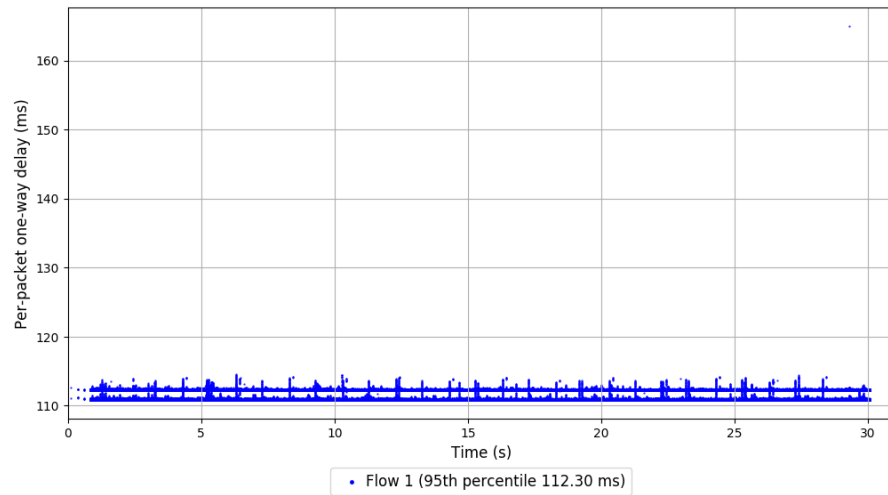
Run 9: Report of CalibratedKoho — Data Link

Flow 1 ingress (mean 227.14 Mbit/s)   Flow 1 egress (mean 213.84 Mbit/s)

Flow 1 (95th percentile 167.13 ms)

```
Run 10: Statistics of CalibratedKoho

Start at: 2017-08-11 09:09:54
End at: 2017-08-11 09:10:24

# Below is generated by plot.py at 2017-08-11 10:13:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 112.547 ms
Loss rate: 68.35%
-- Flow 1:
Average throughput: 1.08 Mbit/s
95th percentile per-packet one-way delay: 112.547 ms
Loss rate: 68.35%
```
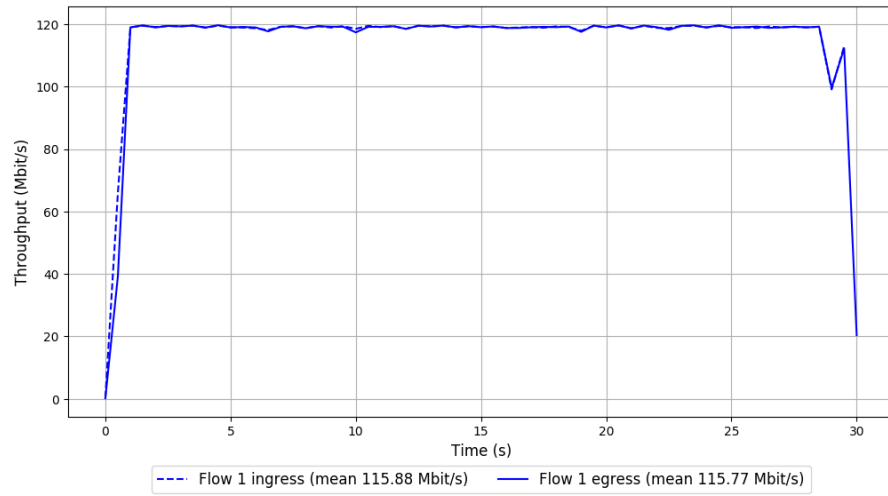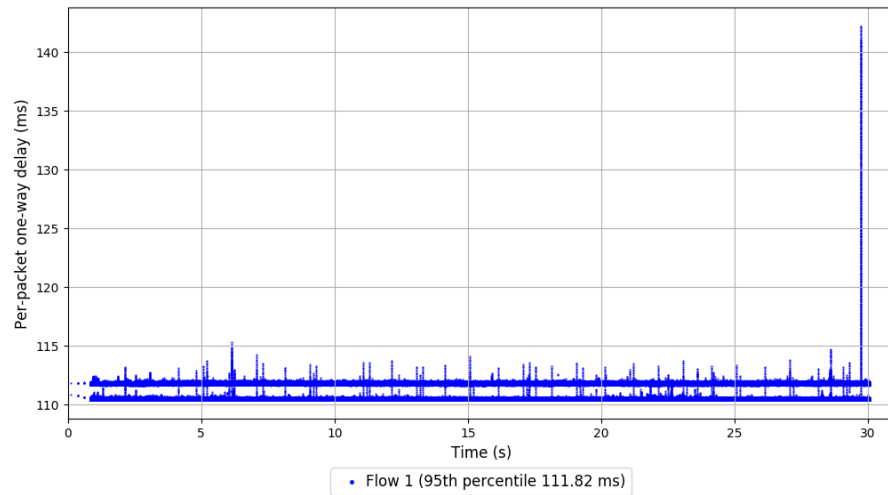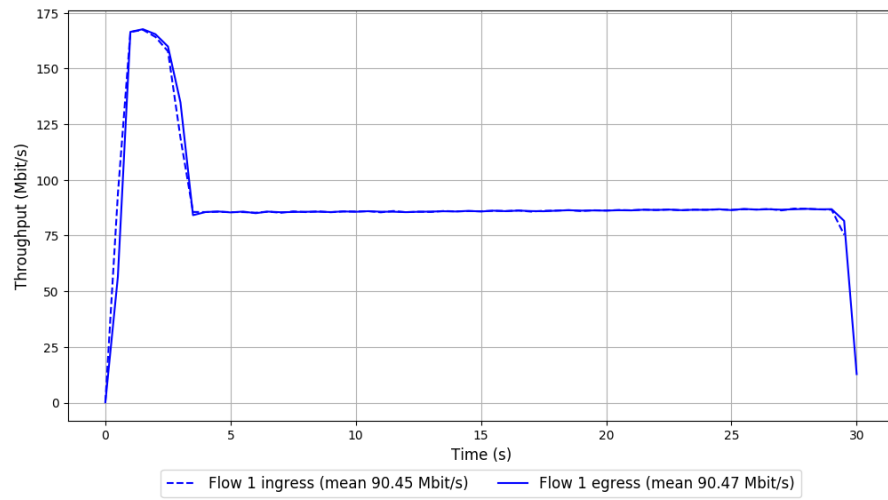
Run 10: Report of CalibratedKoho — Data Link

```
Run 1: Statistics of Copa

Start at: 2017-08-11 07:25:17
End at: 2017-08-11 07:25:47

# Below is generated by plot.py at 2017-08-11 10:13:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 115.77 Mbit/s
95th percentile per-packet one-way delay: 112.298 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 115.77 Mbit/s
95th percentile per-packet one-way delay: 112.298 ms
Loss rate: 0.12%
```
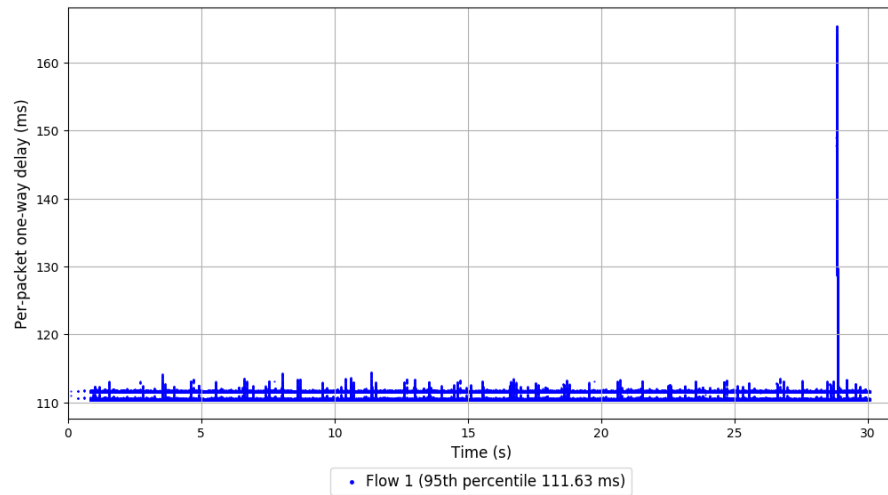
Run 1: Report of Copa — Data Link

```
Run 2: Statistics of Copa

Start at: 2017-08-11 07:36:34
End at: 2017-08-11 07:37:05

# Below is generated by plot.py at 2017-08-11 10:14:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.47 Mbit/s
95th percentile per-packet one-way delay: 111.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.47 Mbit/s
95th percentile per-packet one-way delay: 111.823 ms
Loss rate: 0.00%
```
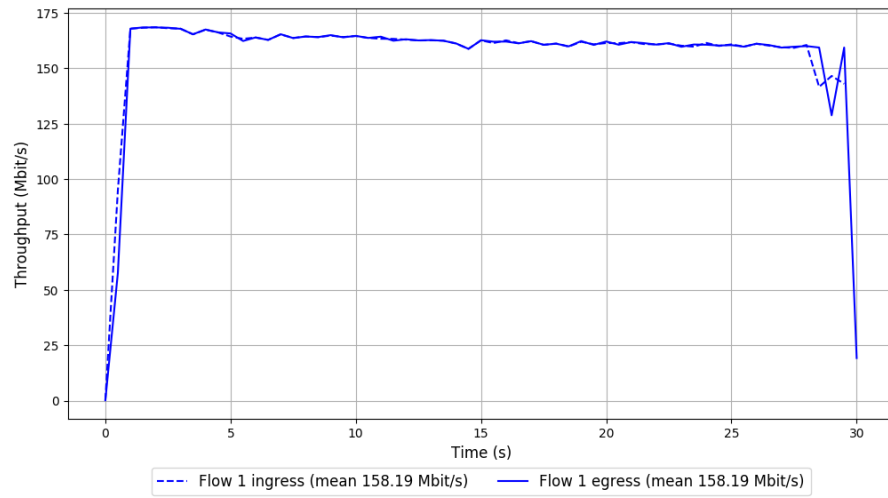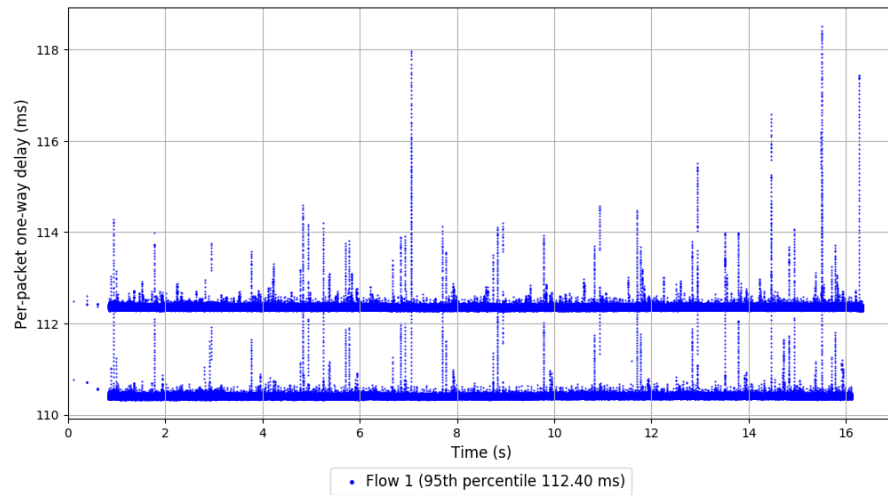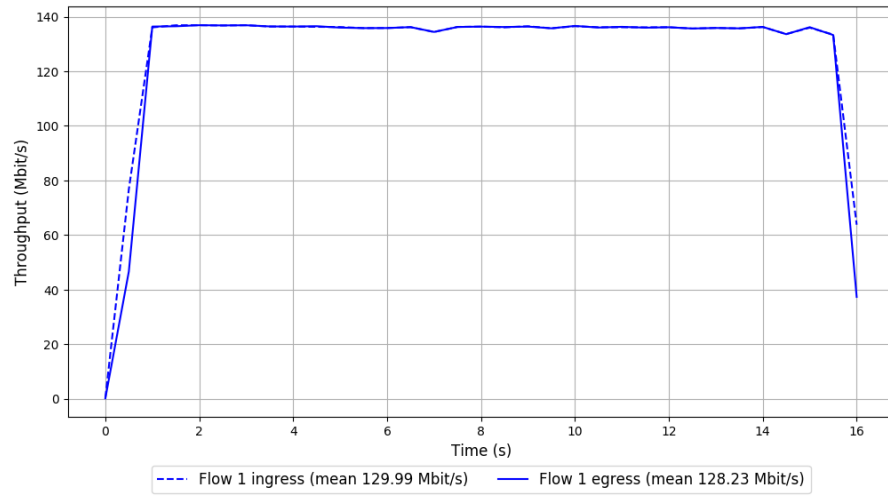
Run 2: Report of Copa — Data Link

Flow 1 ingress (mean 90.45 Mbit/s)   Flow 1 egress (mean 90.47 Mbit/s)

Flow 1 (95th percentile 111.82 ms)

```
Run 3: Statistics of Copa

Start at: 2017-08-11 07:48:13
End at: 2017-08-11 07:48:43

# Below is generated by plot.py at 2017-08-11 10:14:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 158.19 Mbit/s
95th percentile per-packet one-way delay: 111.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 158.19 Mbit/s
95th percentile per-packet one-way delay: 111.628 ms
Loss rate: 0.00%
```
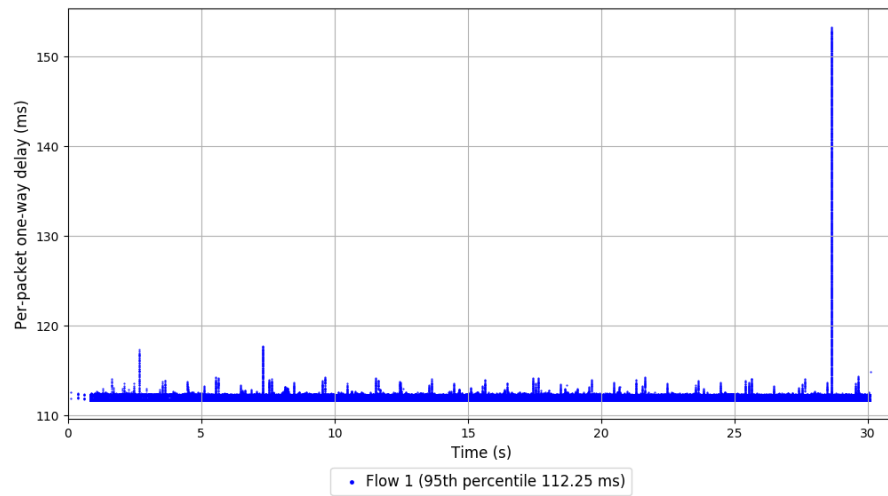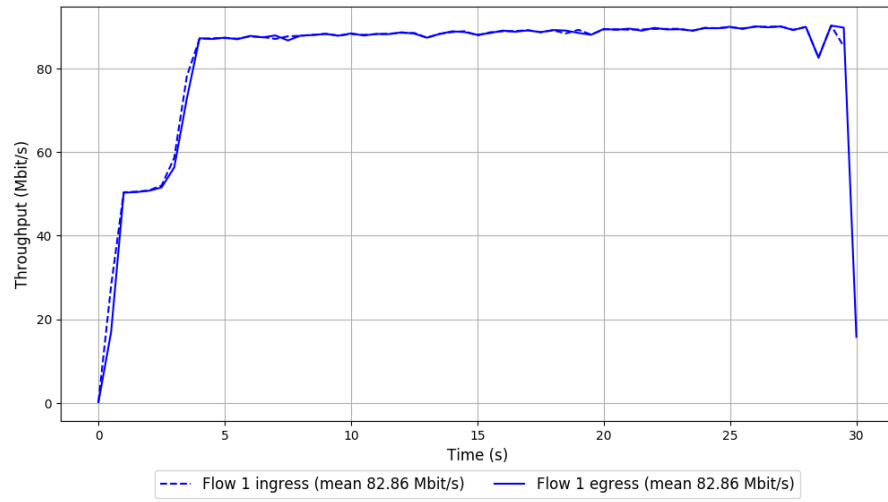
Run 3: Report of Copa — Data Link

Run 4: Statistics of Copa

Start at: 2017-08-11 07:59:49
End at: 2017-08-11 08:00:19

Run 4: Report of Copa — Data Link

Flow 1 ingress (mean 129.99 Mbit/s)   Flow 1 egress (mean 128.23 Mbit/s)

Flow 1 (95th percentile 112.40 ms)

```
Run 5: Statistics of Copa

Start at: 2017-08-11 08:10:46
End at: 2017-08-11 08:11:16

# Below is generated by plot.py at 2017-08-11 10:15:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 112.254 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 112.254 ms
Loss rate: 0.00%
```
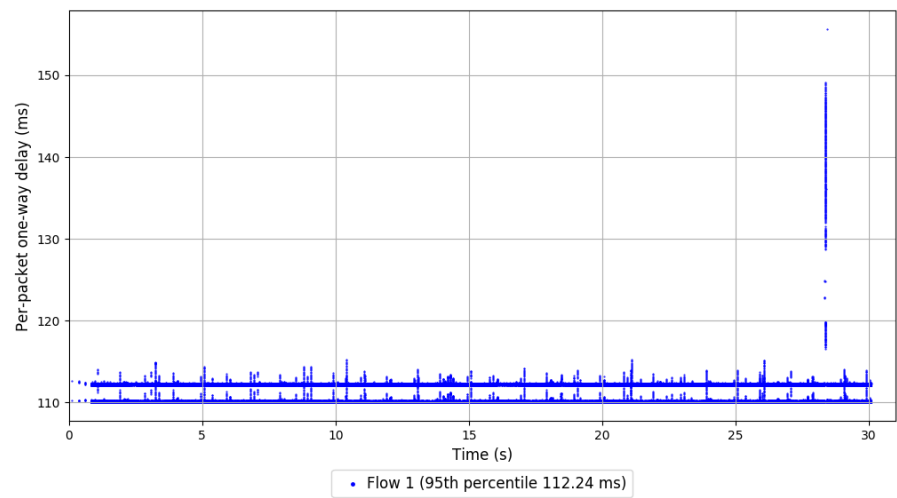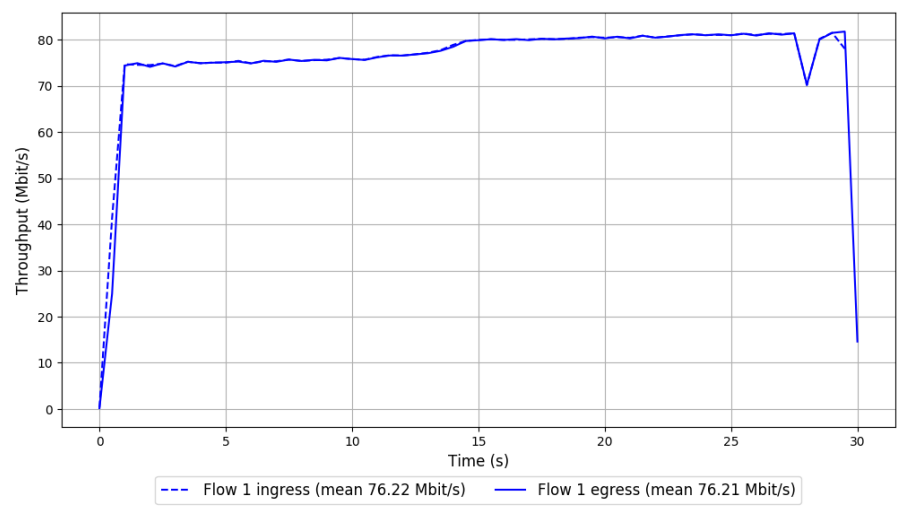
Run 5: Report of Copa — Data Link

Flow 1 ingress (mean 82.86 Mbit/s)   Flow 1 egress (mean 82.86 Mbit/s)

• Flow 1 (95th percentile 112.25 ms)

53

```
Run 6: Statistics of Copa

Start at: 2017-08-11 08:21:53
End at: 2017-08-11 08:22:23

# Below is generated by plot.py at 2017-08-11 10:15:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 112.244 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.21 Mbit/s
95th percentile per-packet one-way delay: 112.244 ms
Loss rate: 0.00%
```
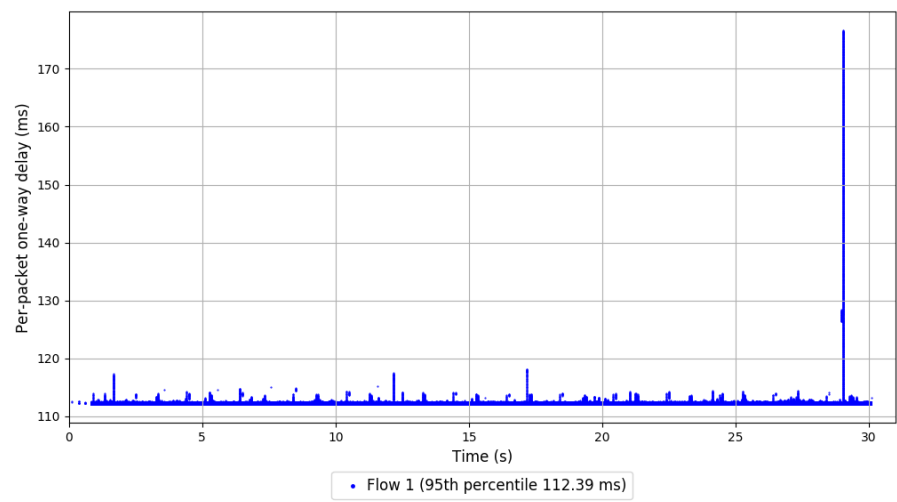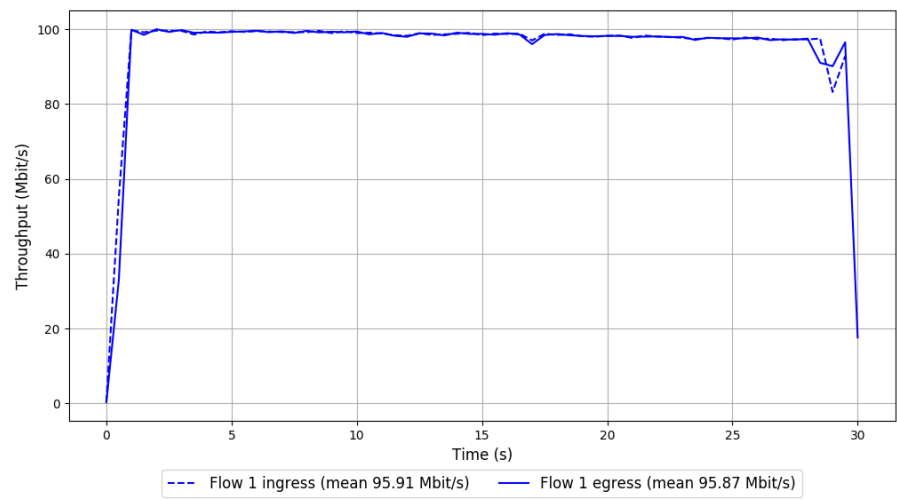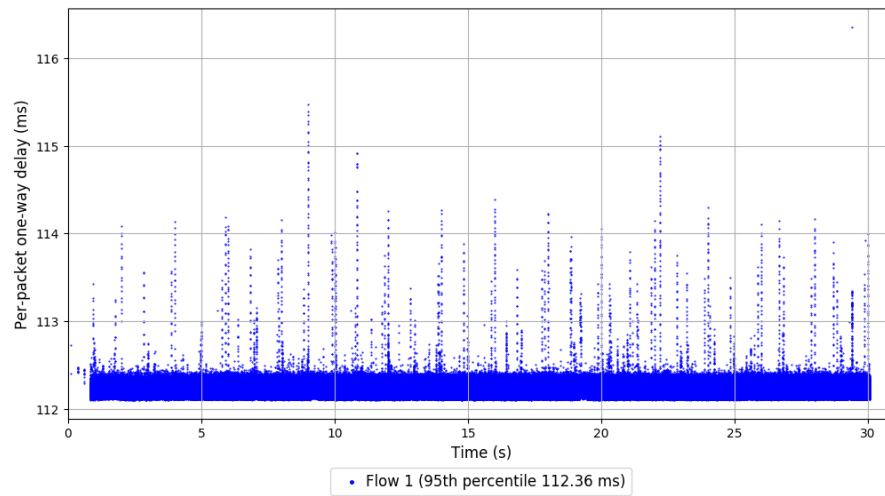
Run 6: Report of Copa — Data Link

Flow 1 ingress (mean 76.22 Mbit/s)   Flow 1 egress (mean 76.21 Mbit/s)

• Flow 1 (95th percentile 112.24 ms)

```
Run 7: Statistics of Copa

Start at: 2017-08-11 08:32:49
End at: 2017-08-11 08:33:19


# Below is generated by plot.py at 2017-08-11 10:15:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 112.385 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 112.385 ms
Loss rate: 0.04%
```
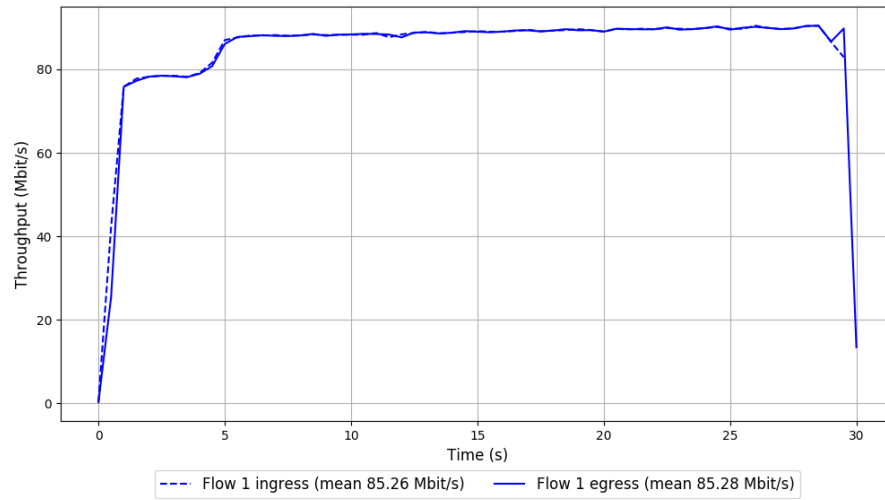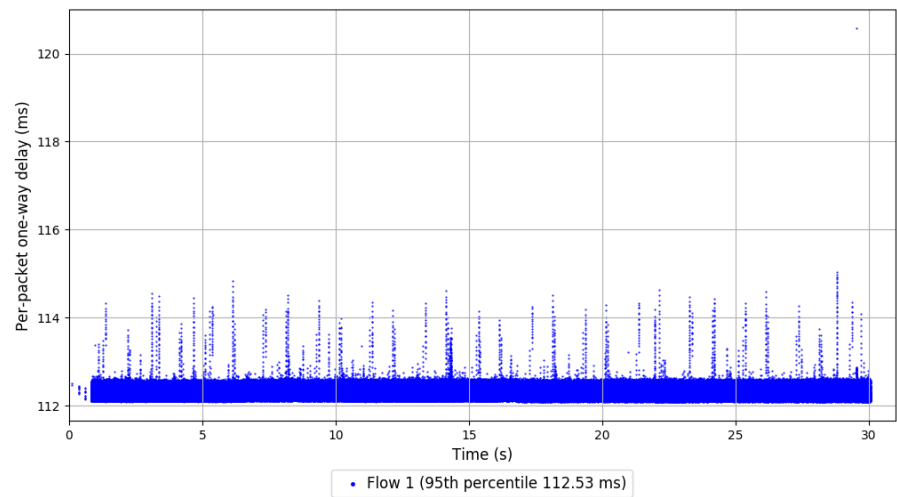
Run 7: Report of Copa — Data Link

Flow 1 ingress (mean 95.91 Mbit/s) — — — Flow 1 egress (mean 95.87 Mbit/s)

· Flow 1 (95th percentile 112.39 ms)

```
Run 8: Statistics of Copa

Start at: 2017-08-11 08:44:06
End at: 2017-08-11 08:44:36

# Below is generated by plot.py at 2017-08-11 10:15:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 112.355 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 112.355 ms
Loss rate: 0.00%
```
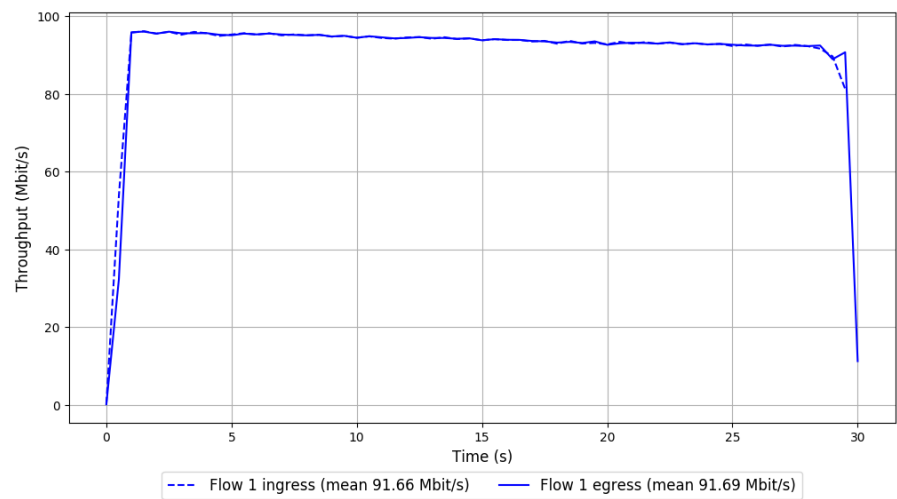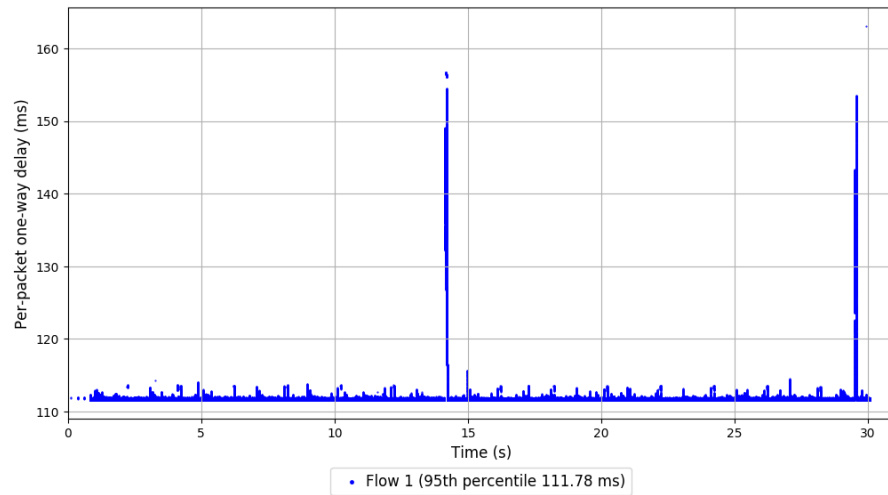
Run 8: Report of Copa — Data Link

```
Run 9: Statistics of Copa

Start at: 2017-08-11 08:55:08
End at: 2017-08-11 08:55:38

# Below is generated by plot.py at 2017-08-11 10:16:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 112.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 112.527 ms
Loss rate: 0.00%
```
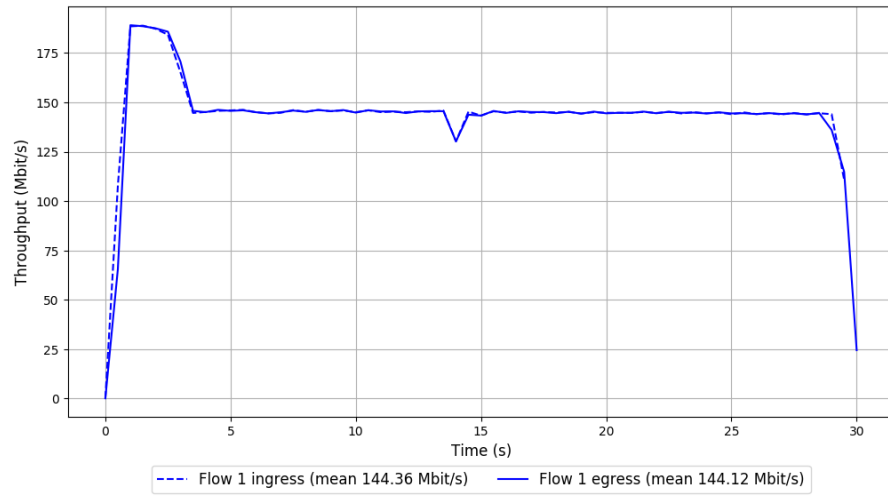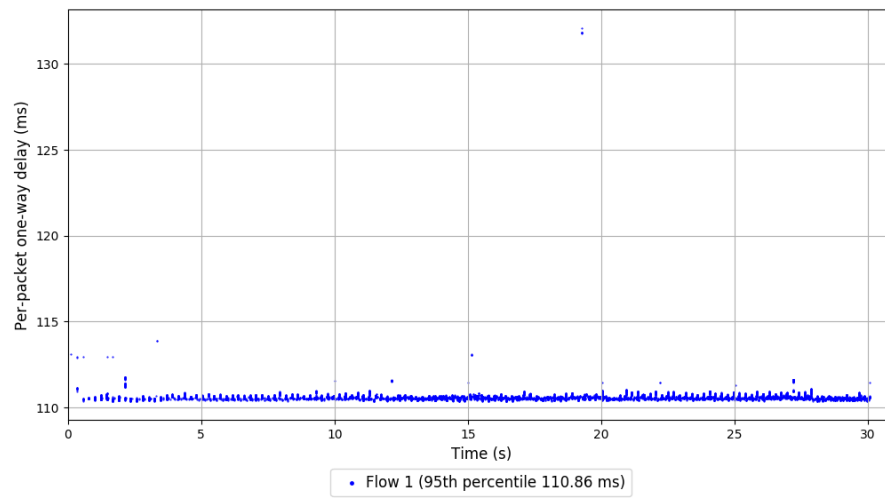
Run 9: Report of Copa — Data Link

Flow 1 ingress (mean 91.66 Mbit/s)   Flow 1 egress (mean 91.69 Mbit/s)

Flow 1 (95th percentile 112.53 ms)

```
Run 10: Statistics of Copa

Start at: 2017-08-11 09:06:50
End at: 2017-08-11 09:07:20

# Below is generated by plot.py at 2017-08-11 10:16:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.12 Mbit/s
95th percentile per-packet one-way delay: 111.777 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 144.12 Mbit/s
95th percentile per-packet one-way delay: 111.777 ms
Loss rate: 0.16%
```
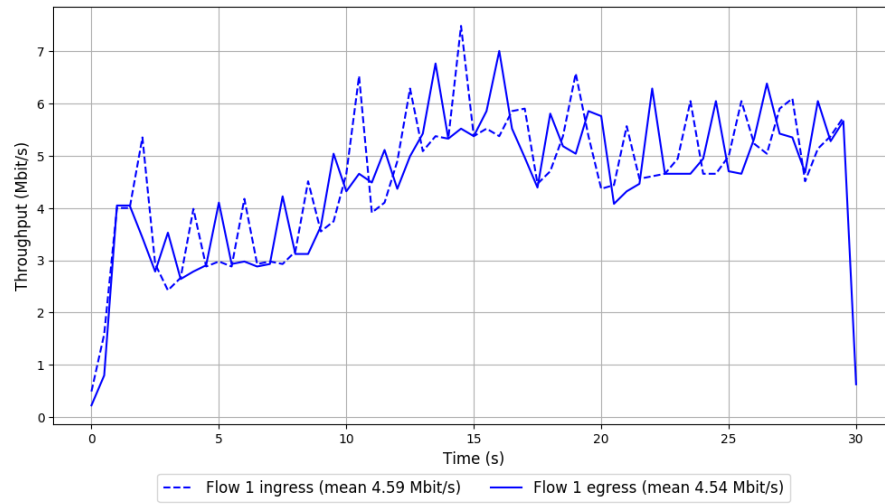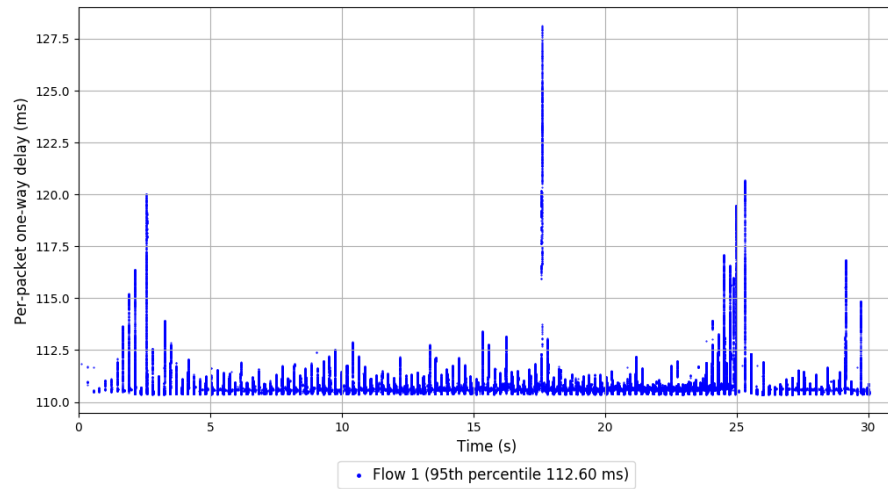
Run 10: Report of Copa — Data Link

Flow 1 ingress (mean 144.36 Mbit/s)   Flow 1 egress (mean 144.12 Mbit/s)

Flow 1 (95th percentile 111.78 ms)

```
Run 1: Statistics of TCP Cubic

Start at: 2017-08-11 07:33:04
End at: 2017-08-11 07:33:34

# Below is generated by plot.py at 2017-08-11 10:16:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 110.860 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 4.54 Mbit/s
95th percentile per-packet one-way delay: 110.860 ms
Loss rate: 1.00%
```
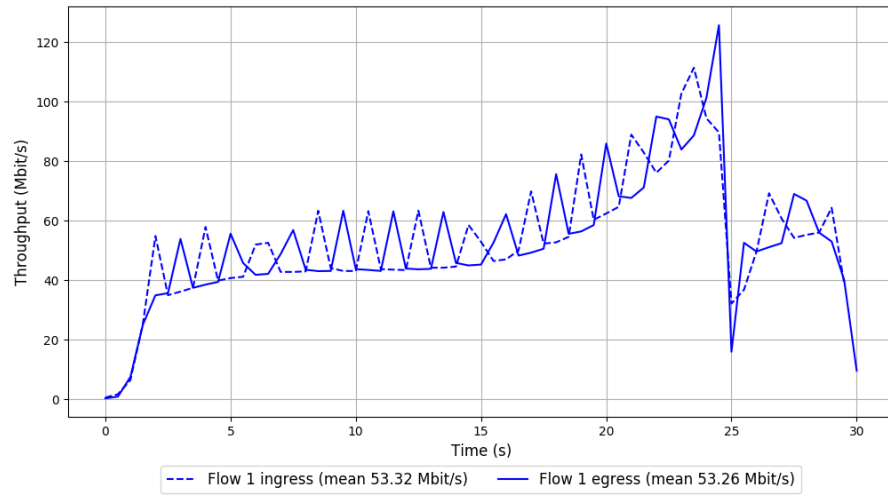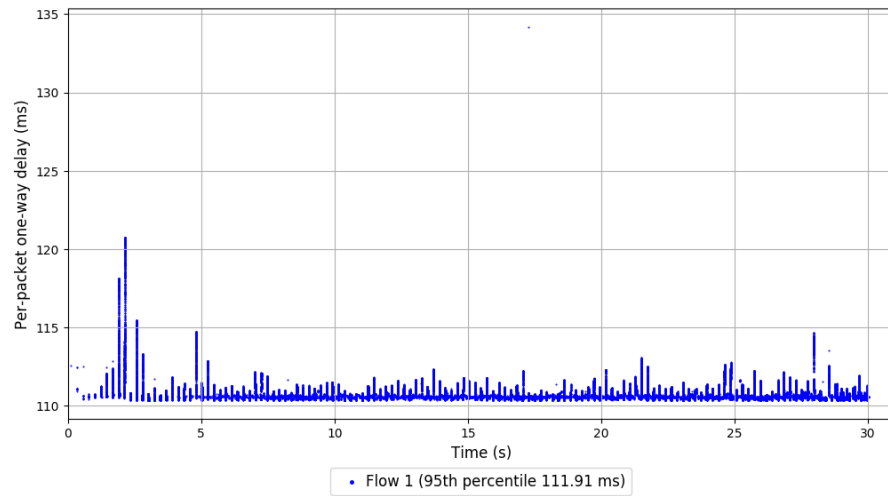
Run 1: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 4.59 Mbit/s) --- Flow 1 egress (mean 4.54 Mbit/s)

Flow 1 (95th percentile 110.86 ms)

```
Run 2: Statistics of TCP Cubic

Start at: 2017-08-11 07:44:38
End at: 2017-08-11 07:45:08

# Below is generated by plot.py at 2017-08-11 10:16:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.26 Mbit/s
95th percentile per-packet one-way delay: 112.604 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 53.26 Mbit/s
95th percentile per-packet one-way delay: 112.604 ms
Loss rate: 0.11%
```
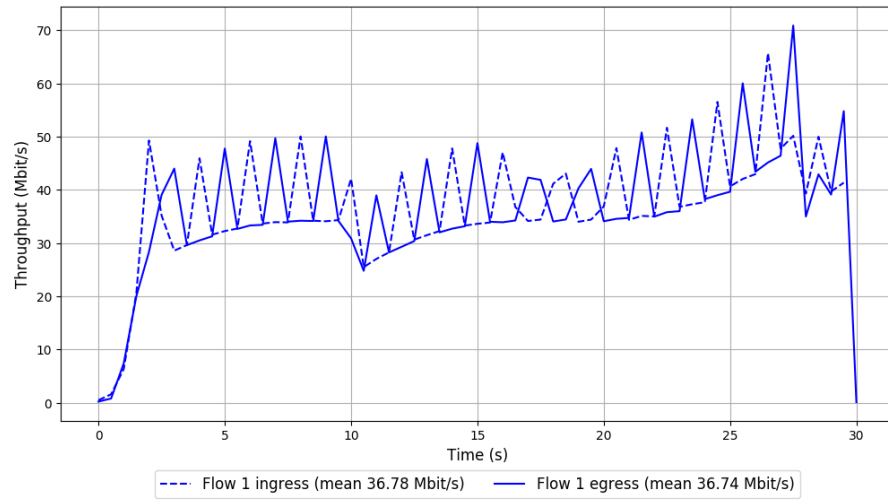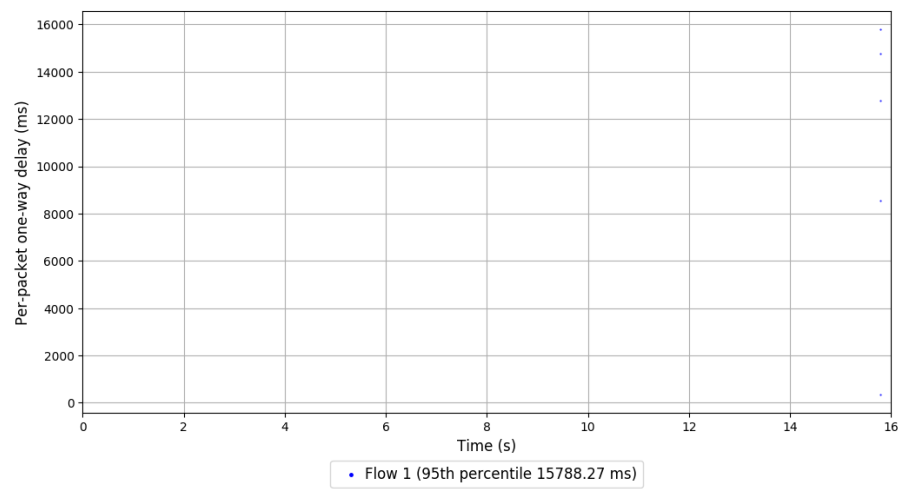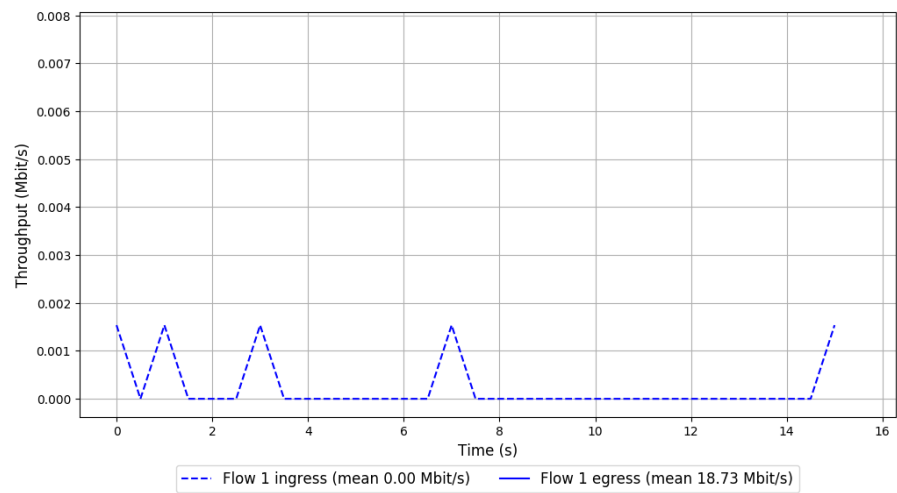
Run 2: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 53.32 Mbit/s) --- Flow 1 egress (mean 53.26 Mbit/s)

Flow 1 (95th percentile 112.60 ms)

```
Run 3: Statistics of TCP Cubic

Start at: 2017-08-11 07:56:18
End at: 2017-08-11 07:56:48

# Below is generated by plot.py at 2017-08-11 10:16:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.74 Mbit/s
95th percentile per-packet one-way delay: 111.913 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 36.74 Mbit/s
95th percentile per-packet one-way delay: 111.913 ms
Loss rate: 0.12%
```
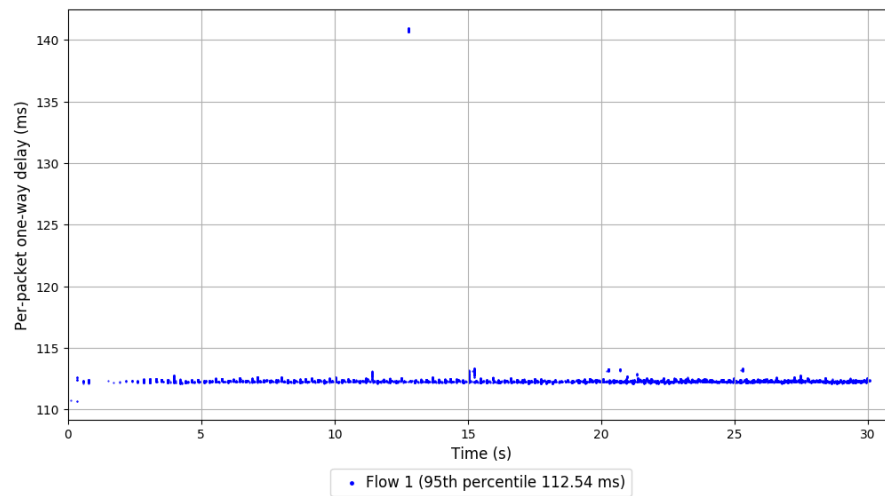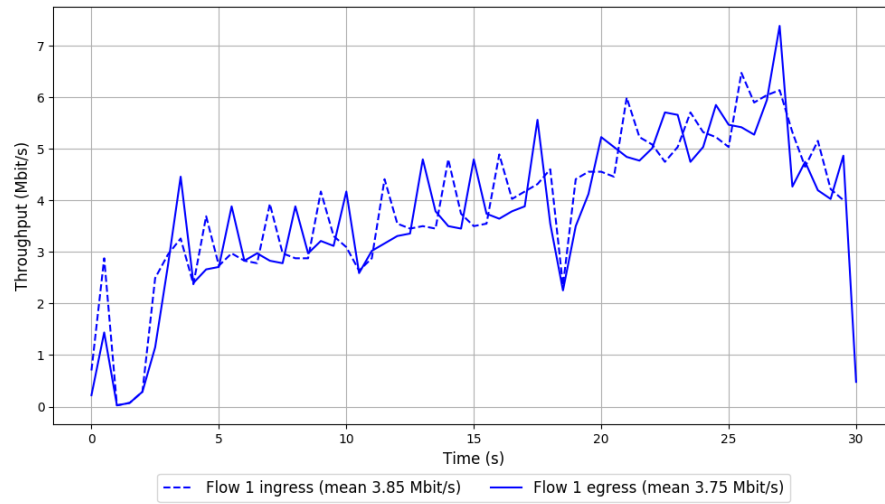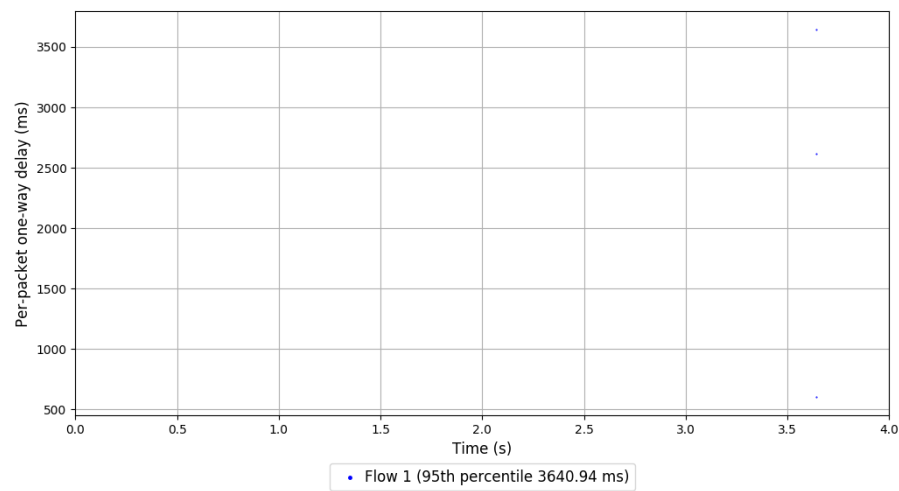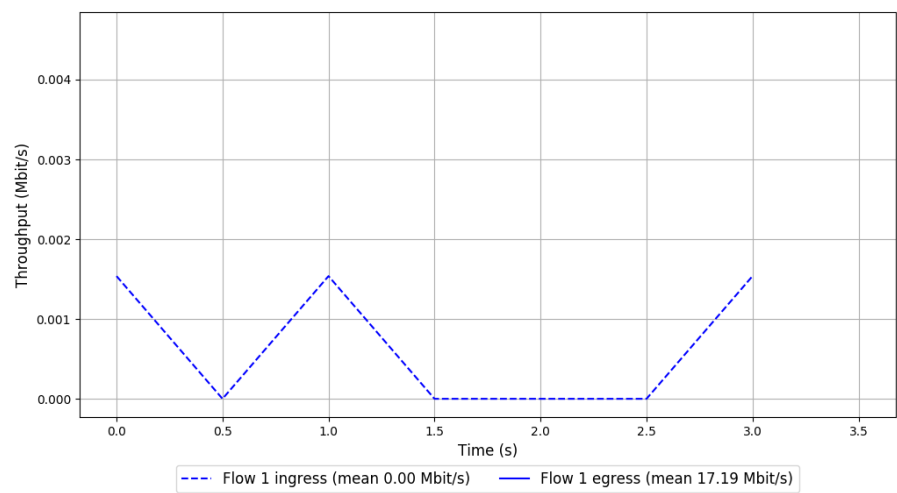
Run 3: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 36.78 Mbit/s) ---- Flow 1 egress (mean 36.74 Mbit/s) ——

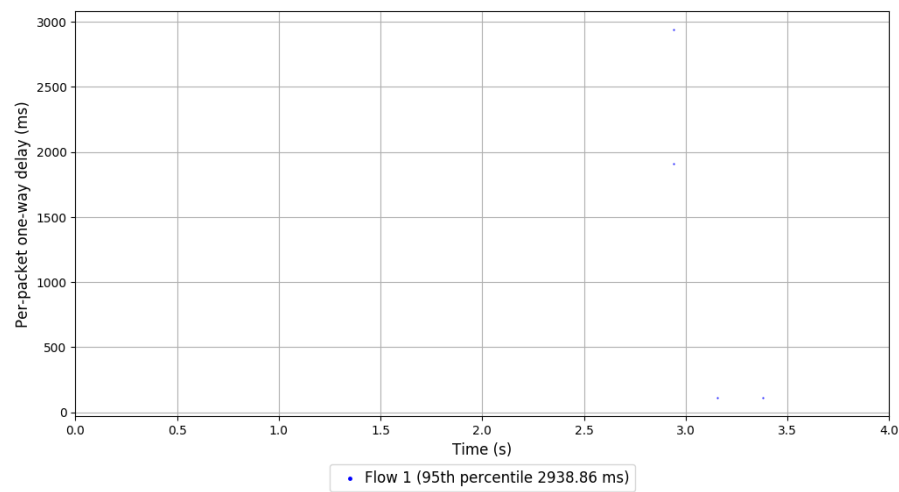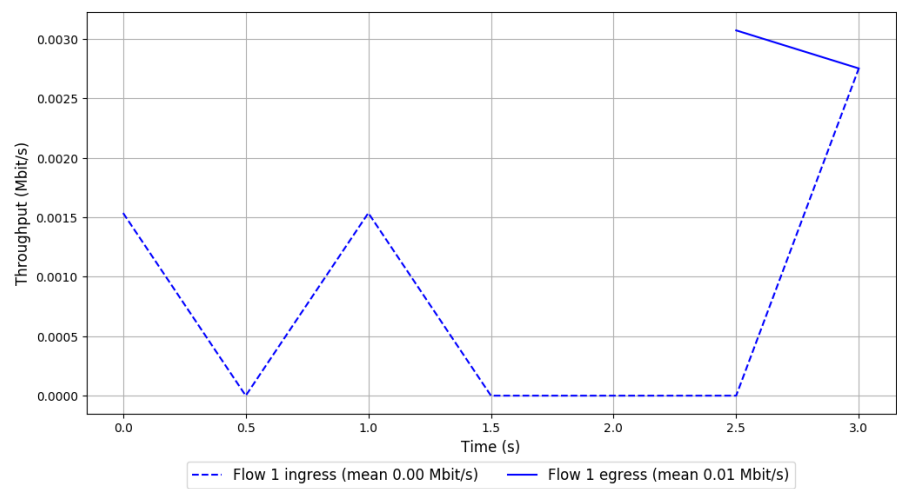
· Flow 1 (95th percentile 111.91 ms)

```
Run 4: Statistics of TCP Cubic

Start at: 2017-08-11 08:07:19
End at: 2017-08-11 08:07:49
```

Run 4: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 0.00 Mbit/s) — Flow 1 egress (mean 18.73 Mbit/s)

• Flow 1 (95th percentile 15788.27 ms)

```
Run 5: Statistics of TCP Cubic

Start at: 2017-08-11 08:18:21
End at: 2017-08-11 08:18:51


# Below is generated by plot.py at 2017-08-11 10:16:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 112.543 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 3.75 Mbit/s
95th percentile per-packet one-way delay: 112.543 ms
Loss rate: 2.51%
```

Run 5: Report of TCP Cubic — Data Link

Run 6: Statistics of TCP Cubic

Start at: 2017-08-11 08:29:22
End at: 2017-08-11 08:29:52
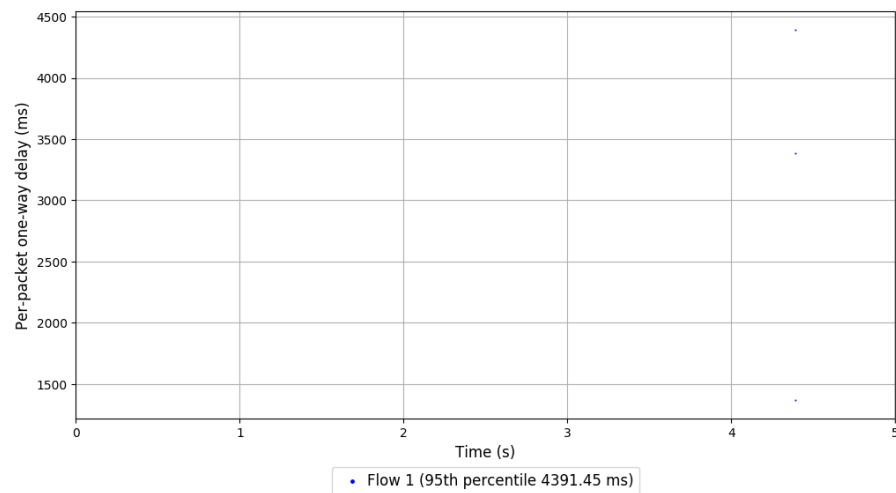
Run 6: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 17.19 Mbit/s)

• Flow 1 (95th percentile 3640.94 ms)

Run 7: Statistics of TCP Cubic

Start at: 2017-08-11 08:40:39
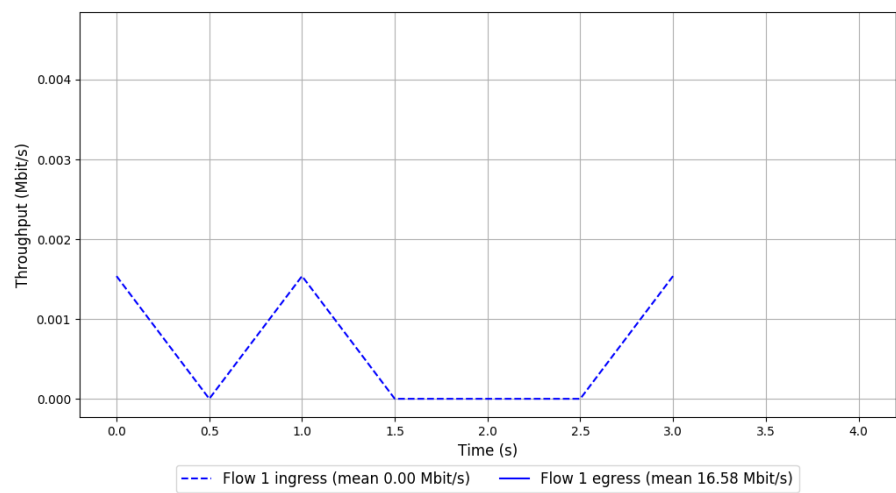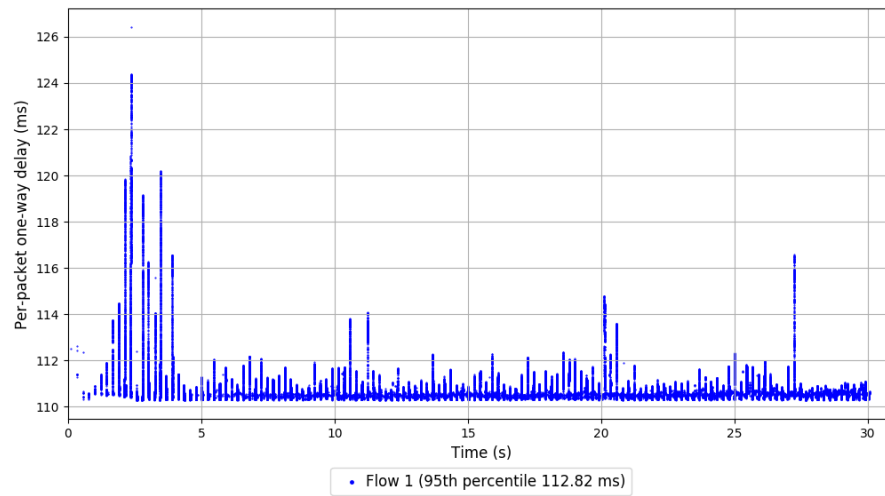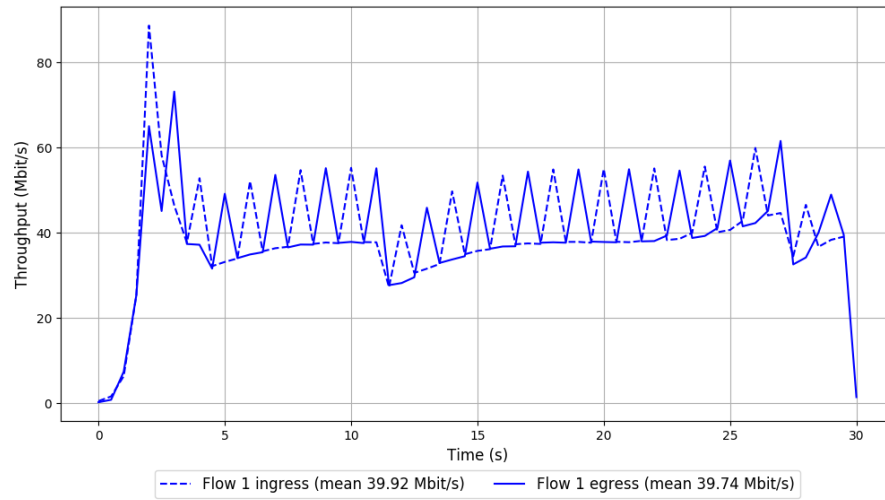End at: 2017-08-11 08:41:09

Run 7: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 0.01 Mbit/s)

• Flow 1 (95th percentile 2938.86 ms)

Run 8: Statistics of TCP Cubic

Start at: 2017-08-11 08:51:39
End at: 2017-08-11 08:52:09

Run 8: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 0.00 Mbit/s)   Flow 1 egress (mean 16.58 Mbit/s)

Flow 1 (95th percentile 4391.45 ms)

```
Run 9: Statistics of TCP Cubic

Start at: 2017-08-11 09:03:16
End at: 2017-08-11 09:03:46

# Below is generated by plot.py at 2017-08-11 10:17:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 112.816 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 112.816 ms
Loss rate: 0.45%
```
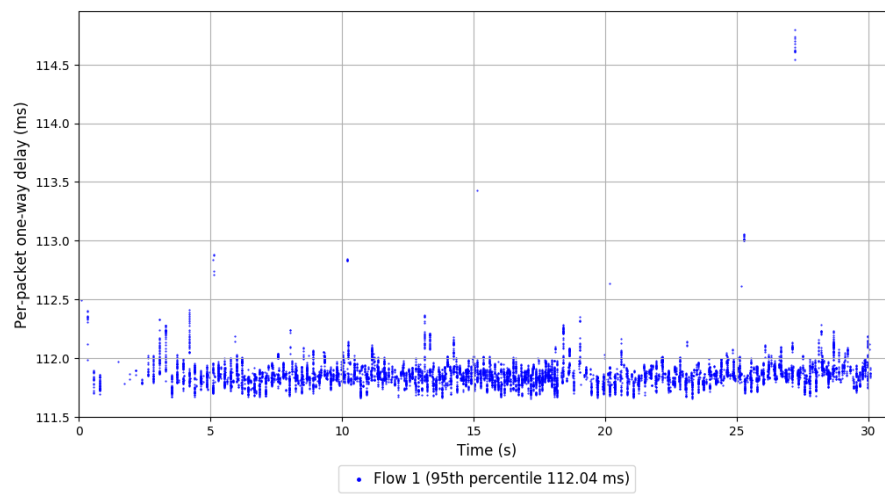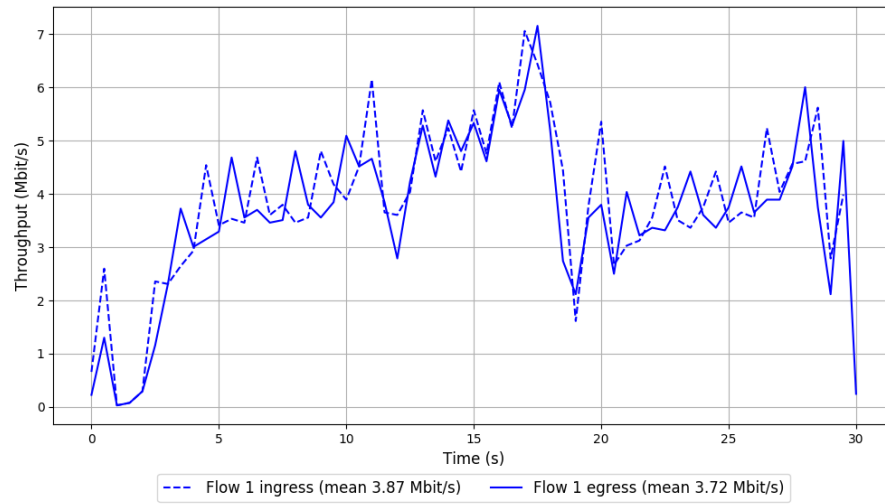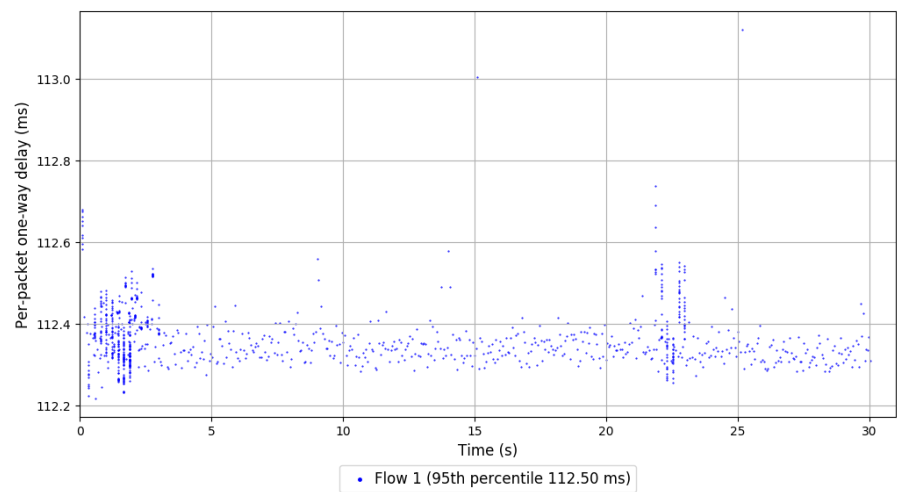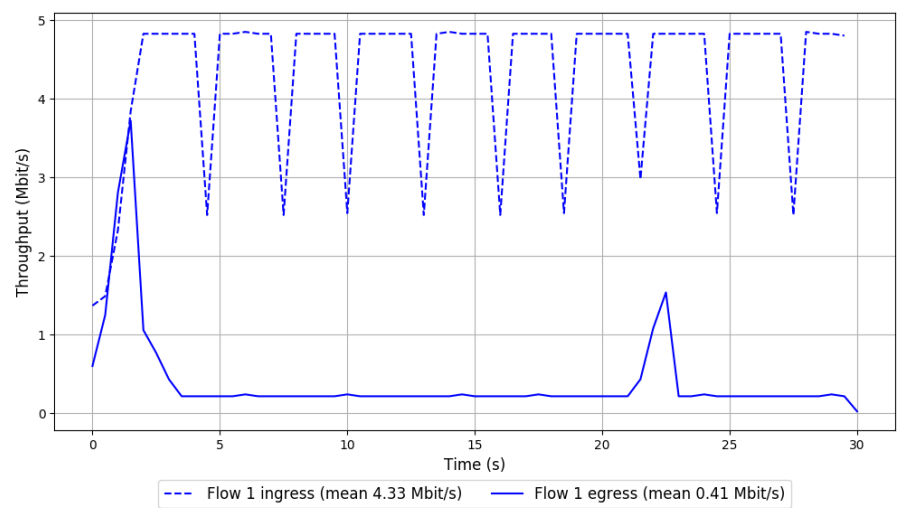
Run 9: Report of TCP Cubic — Data Link

Flow 1 ingress (mean 39.92 Mbit/s) ----- Flow 1 egress (mean 39.74 Mbit/s)

Flow 1 (95th percentile 112.82 ms)

```
Run 10: Statistics of TCP Cubic

Start at: 2017-08-11 09:14:19
End at: 2017-08-11 09:14:49


# Below is generated by plot.py at 2017-08-11 10:17:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 112.042 ms
Loss rate: 3.94%
-- Flow 1:
Average throughput: 3.72 Mbit/s
95th percentile per-packet one-way delay: 112.042 ms
Loss rate: 3.94%
```

Run 10: Report of TCP Cubic — Data Link

```
Run 1: Statistics of KohoCC

Start at: 2017-08-11 07:31:22
End at: 2017-08-11 07:31:52

# Below is generated by plot.py at 2017-08-11 10:17:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 112.500 ms
Loss rate: 90.48%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 112.500 ms
Loss rate: 90.48%
```
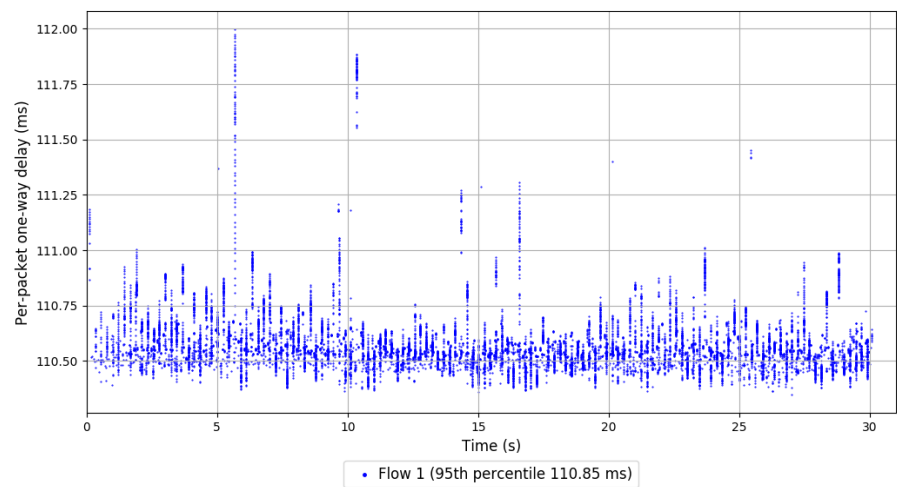
Run 1: Report of KohoCC — Data Link

```
Run 2: Statistics of KohoCC

Start at: 2017-08-11 07:42:55
End at: 2017-08-11 07:43:25

# Below is generated by plot.py at 2017-08-11 10:17:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 110.846 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 110.846 ms
Loss rate: 3.43%
```
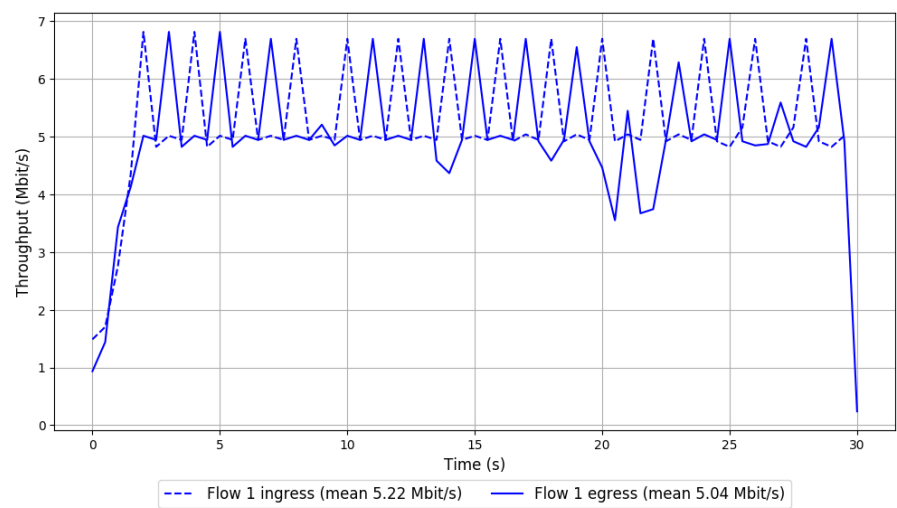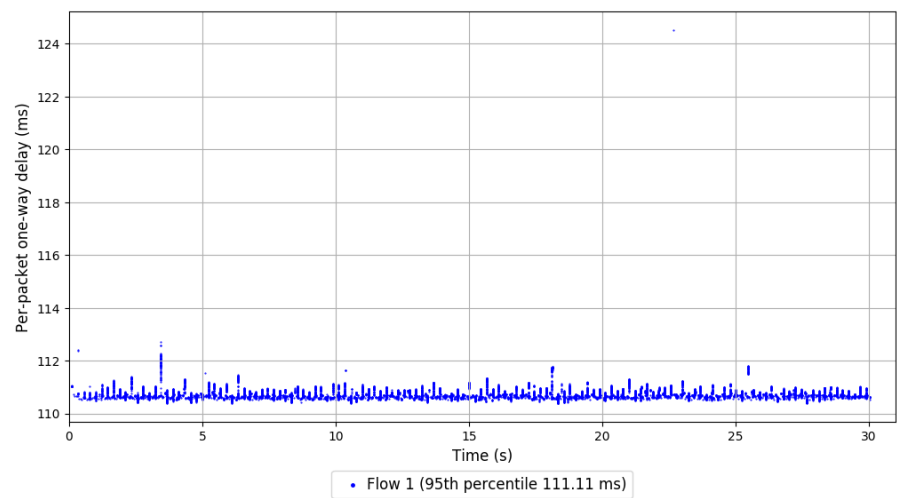
Run 2: Report of KohoCC — Data Link

```
Run 3: Statistics of KohoCC

Start at: 2017-08-11 07:54:34
End at: 2017-08-11 07:55:04

# Below is generated by plot.py at 2017-08-11 10:17:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 111.115 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 111.115 ms
Loss rate: 0.00%
```
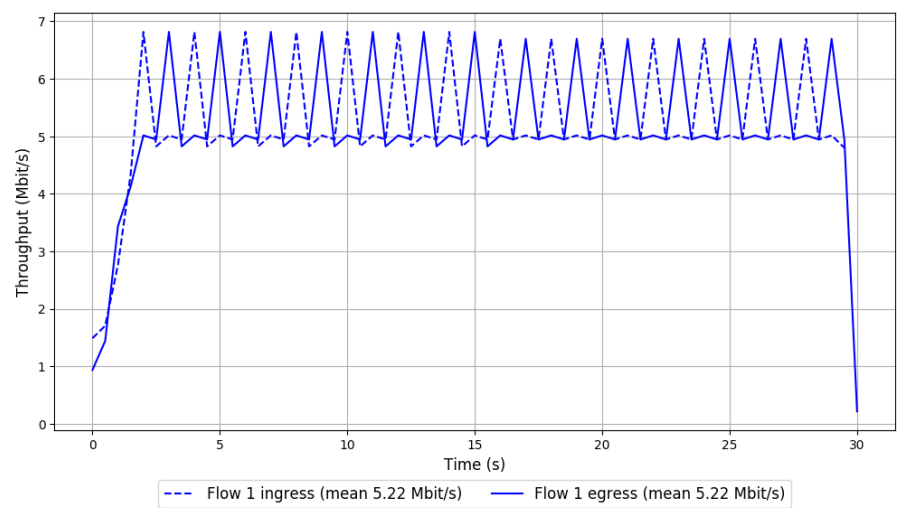
Run 3: Report of KohoCC — Data Link

Flow 1 ingress (mean 5.22 Mbit/s)   Flow 1 egress (mean 5.22 Mbit/s)

Flow 1 (95th percentile 111.11 ms)

```
Run 4: Statistics of KohoCC

Start at: 2017-08-11 08:05:51
End at: 2017-08-11 08:06:21

# Below is generated by plot.py at 2017-08-11 10:17:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 112.584 ms
Loss rate: 90.96%
-- Flow 1:
Average throughput: 0.39 Mbit/s
95th percentile per-packet one-way delay: 112.584 ms
Loss rate: 90.96%
```
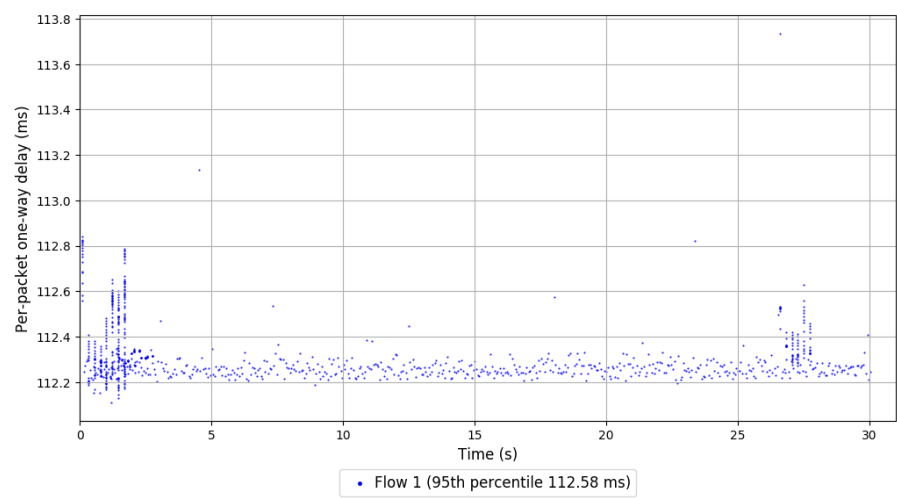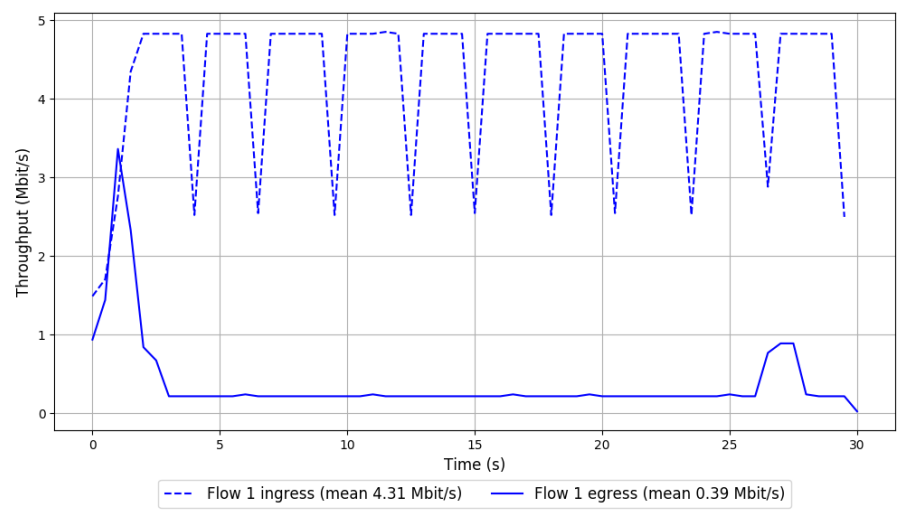
Run 4: Report of KohoCC — Data Link

Flow 1 ingress (mean 4.31 Mbit/s)   Flow 1 egress (mean 0.39 Mbit/s)

Flow 1 (95th percentile 112.58 ms)

```
Run 5: Statistics of KohoCC

Start at: 2017-08-11 08:16:52
End at: 2017-08-11 08:17:22

# Below is generated by plot.py at 2017-08-11 10:17:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.17 Mbit/s
95th percentile per-packet one-way delay: 113.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.17 Mbit/s
95th percentile per-packet one-way delay: 113.011 ms
Loss rate: 0.00%
```
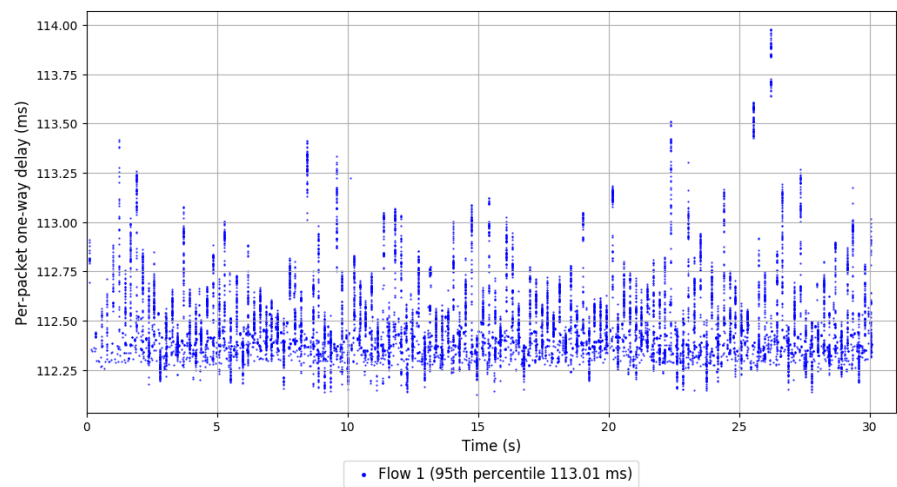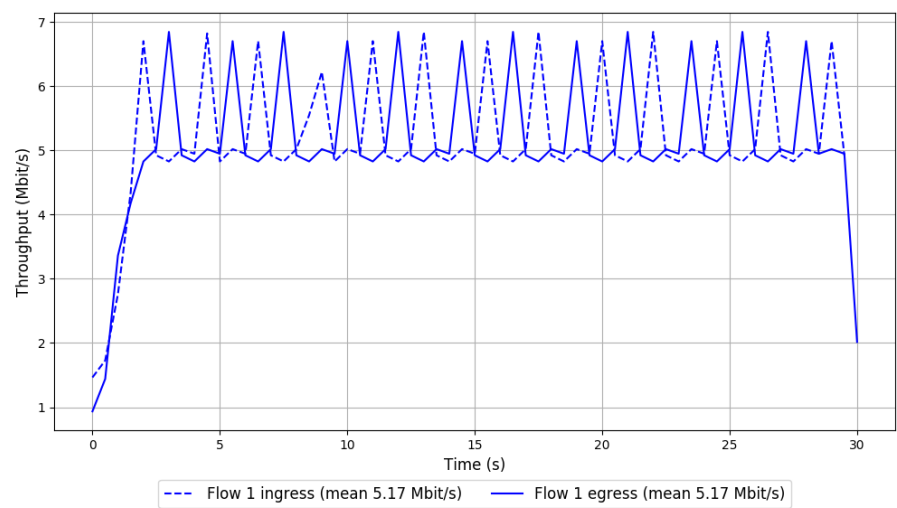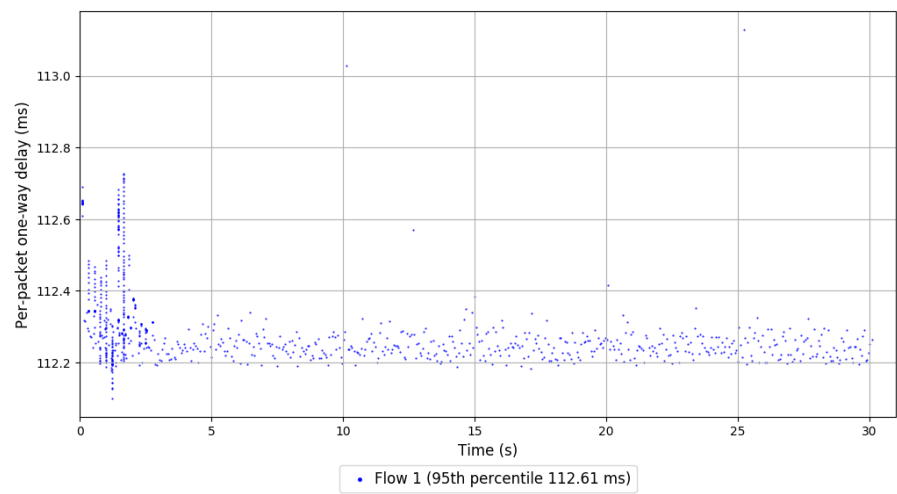
Run 5: Report of KohoCC — Data Link

Flow 1 ingress (mean 5.17 Mbit/s) --- Flow 1 egress (mean 5.17 Mbit/s)

Flow 1 (95th percentile 113.01 ms)

```
Run 6: Statistics of KohoCC

Start at: 2017-08-11 08:27:40
End at: 2017-08-11 08:28:10

# Below is generated by plot.py at 2017-08-11 10:17:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 112.609 ms
Loss rate: 91.74%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 112.609 ms
Loss rate: 91.74%
```
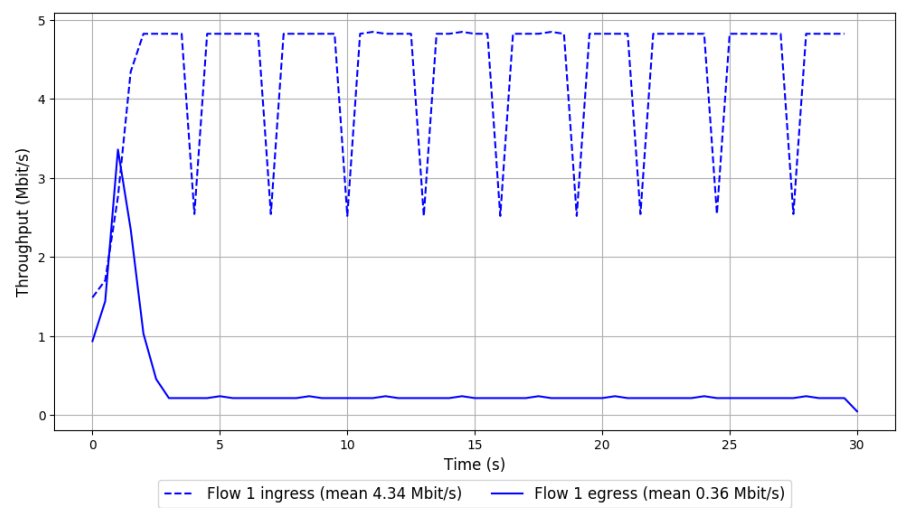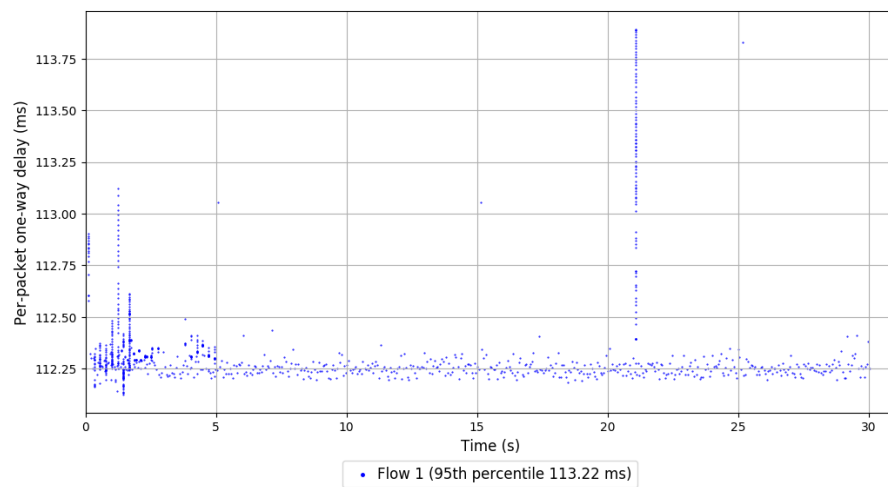
Run 6: Report of KohoCC — Data Link

Flow 1 ingress (mean 4.34 Mbit/s)   Flow 1 egress (mean 0.36 Mbit/s)

• Flow 1 (95th percentile 112.61 ms)

```
Run 7: Statistics of KohoCC

Start at: 2017-08-11 08:38:56
End at: 2017-08-11 08:39:26

# Below is generated by plot.py at 2017-08-11 10:17:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 113.215 ms
Loss rate: 90.34%
-- Flow 1:
Average throughput: 0.42 Mbit/s
95th percentile per-packet one-way delay: 113.215 ms
Loss rate: 90.34%
```
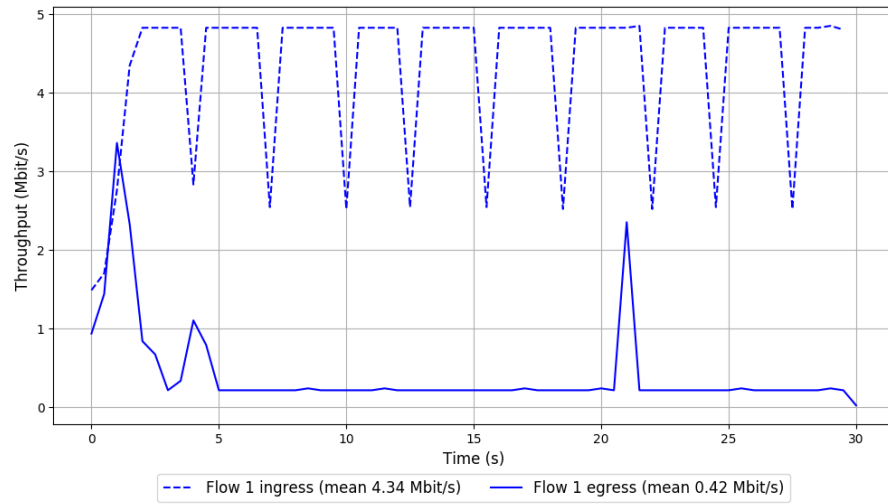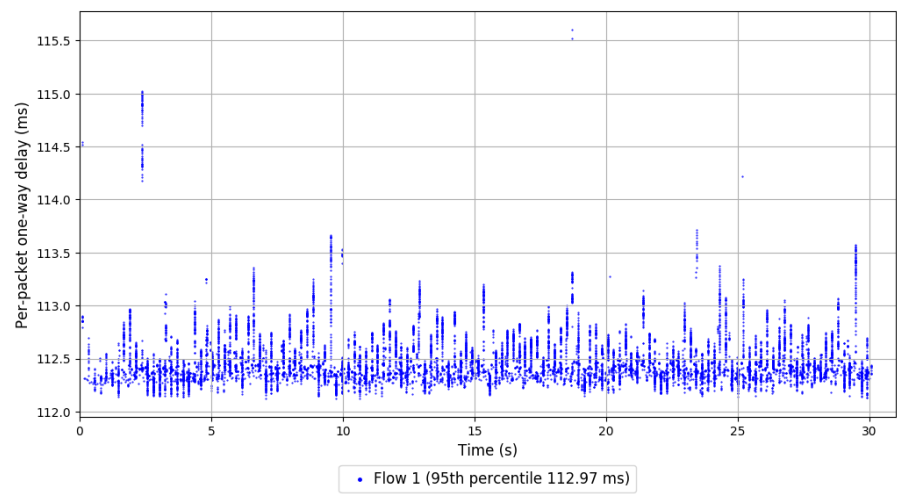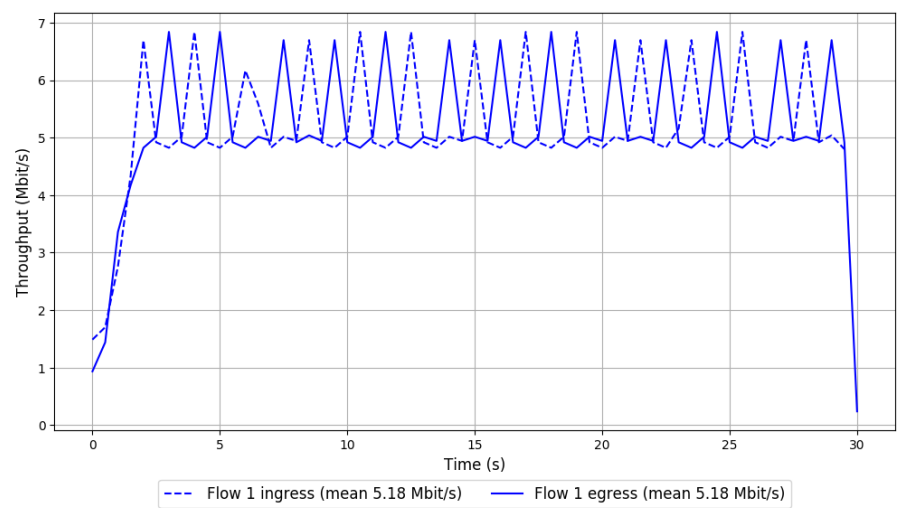
Run 7: Report of KohoCC — Data Link

Flow 1 ingress (mean 4.34 Mbit/s) --- Flow 1 egress (mean 0.42 Mbit/s)

Flow 1 (95th percentile 113.22 ms)

```
Run 8: Statistics of KohoCC

Start at: 2017-08-11 08:49:56
End at: 2017-08-11 08:50:26

# Below is generated by plot.py at 2017-08-11 10:17:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 112.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 112.965 ms
Loss rate: 0.00%
```
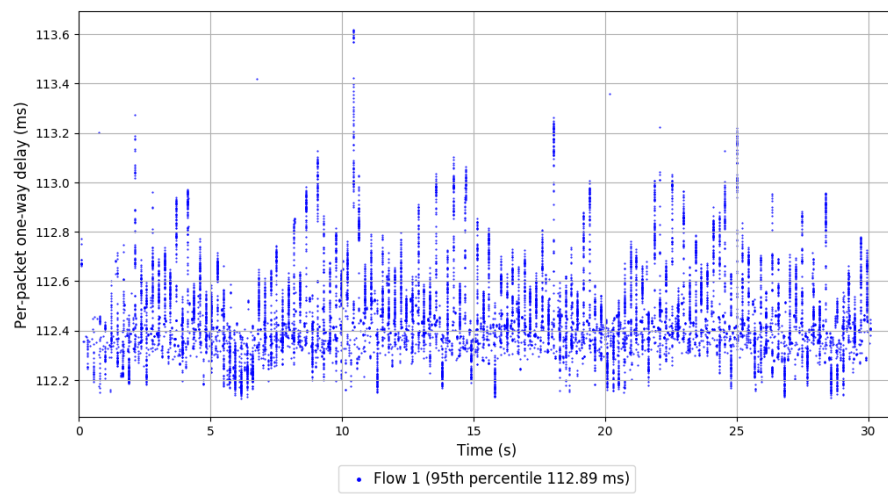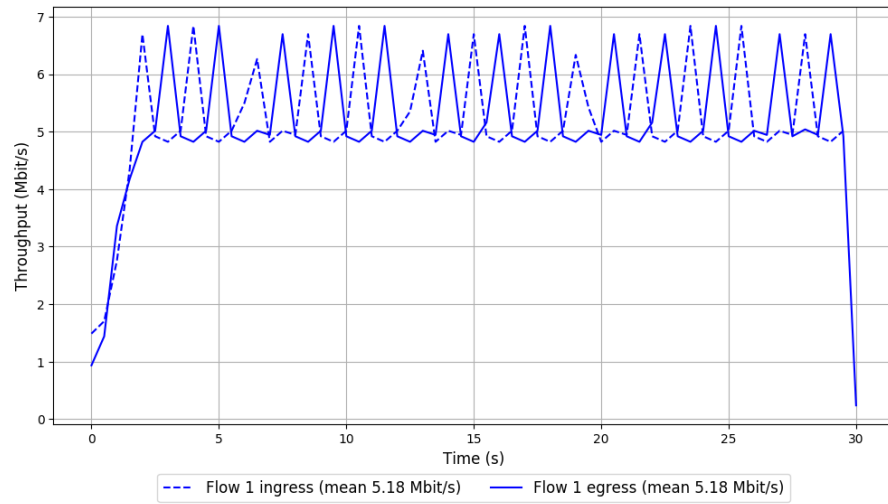
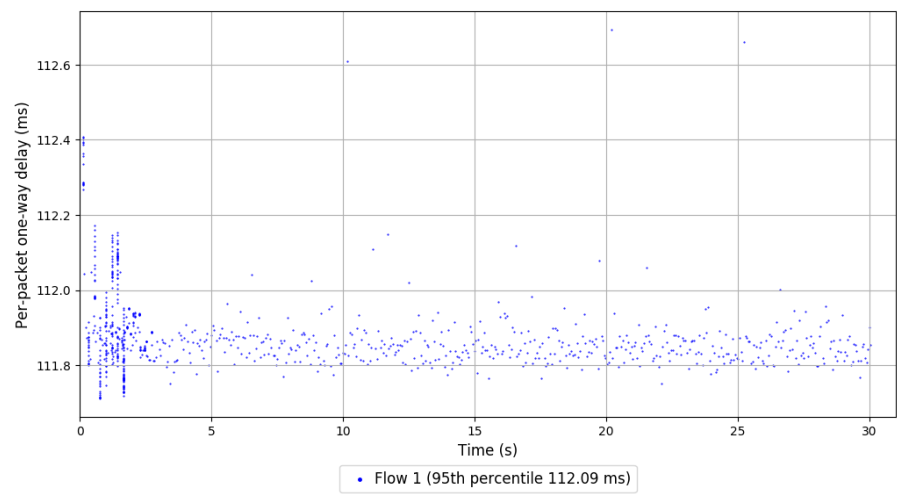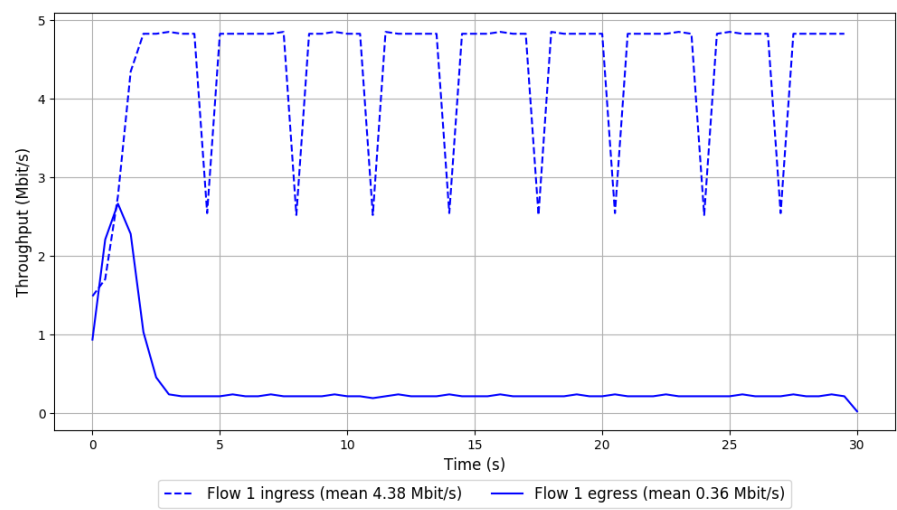Run 8: Report of KohoCC — Data Link

Flow 1 ingress (mean 5.18 Mbit/s) --- Flow 1 egress (mean 5.18 Mbit/s)

• Flow 1 (95th percentile 112.97 ms)

```
Run 9: Statistics of KohoCC

Start at: 2017-08-11 09:01:33
End at: 2017-08-11 09:02:03

# Below is generated by plot.py at 2017-08-11 10:17:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 112.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.18 Mbit/s
95th percentile per-packet one-way delay: 112.893 ms
Loss rate: 0.00%
```
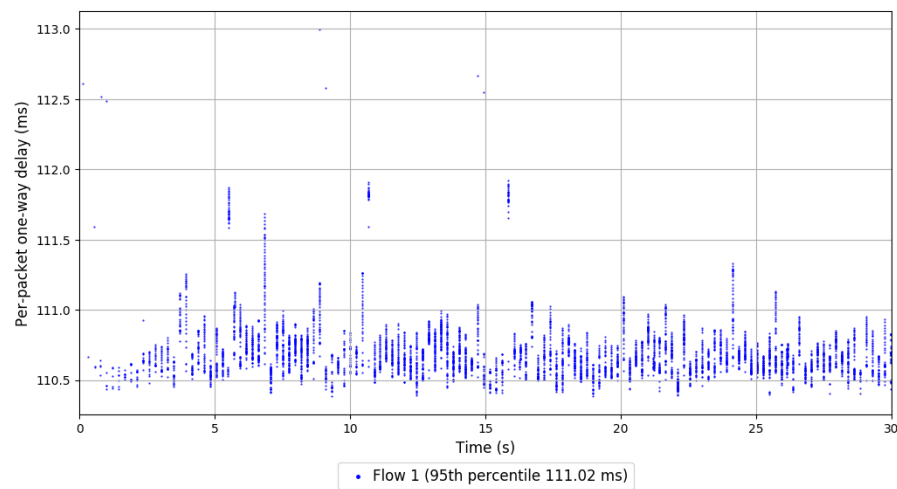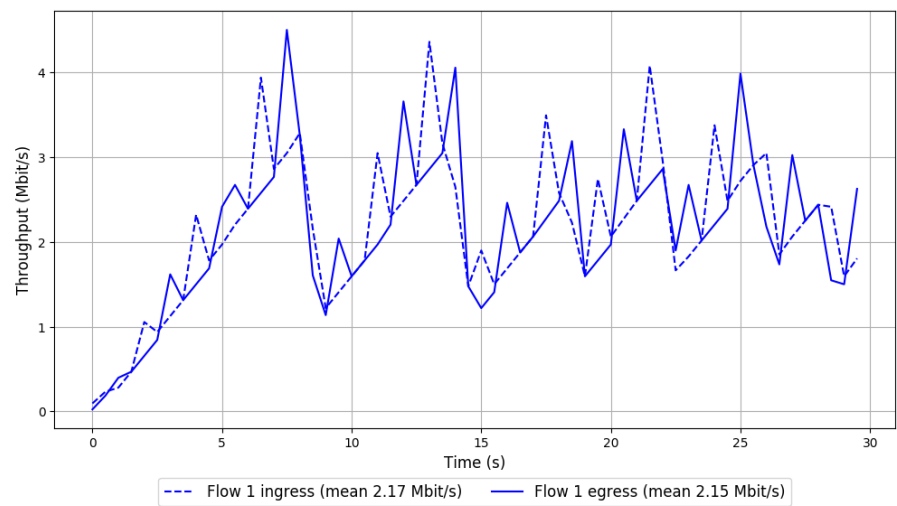
Run 9: Report of KohoCC — Data Link

Flow 1 ingress (mean 5.18 Mbit/s)   Flow 1 egress (mean 5.18 Mbit/s)

• Flow 1 (95th percentile 112.89 ms)

```
Run 10: Statistics of KohoCC

Start at: 2017-08-11 09:12:51
End at: 2017-08-11 09:13:21

# Below is generated by plot.py at 2017-08-11 10:17:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 112.092 ms
Loss rate: 91.78%
-- Flow 1:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 112.092 ms
Loss rate: 91.78%
```
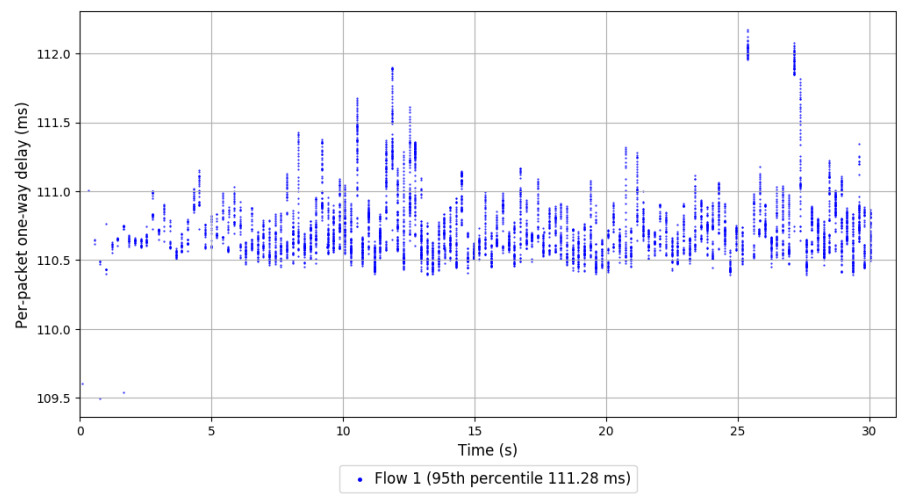
Run 10: Report of KohoCC — Data Link

```
Run 1: Statistics of LEDBAT

Start at: 2017-08-11 07:35:11
End at: 2017-08-11 07:35:41

# Below is generated by plot.py at 2017-08-11 10:17:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 111.024 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 111.024 ms
Loss rate: 0.90%
```
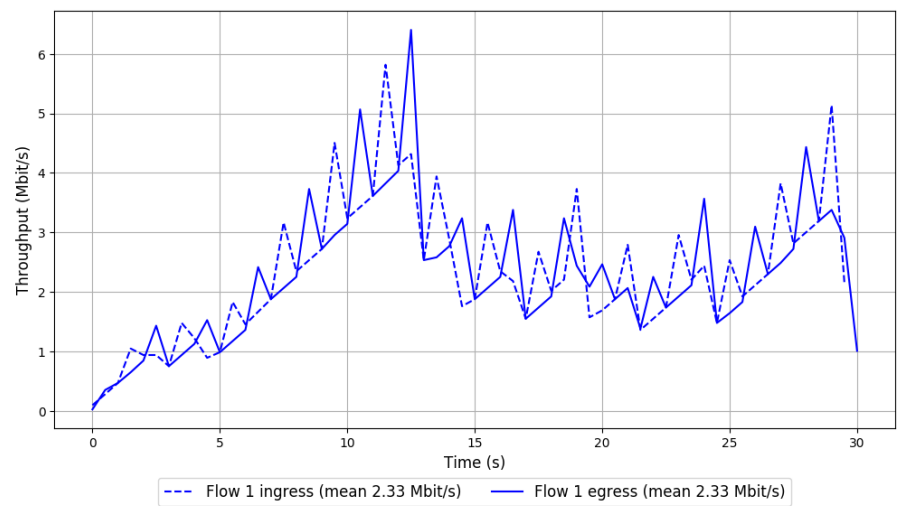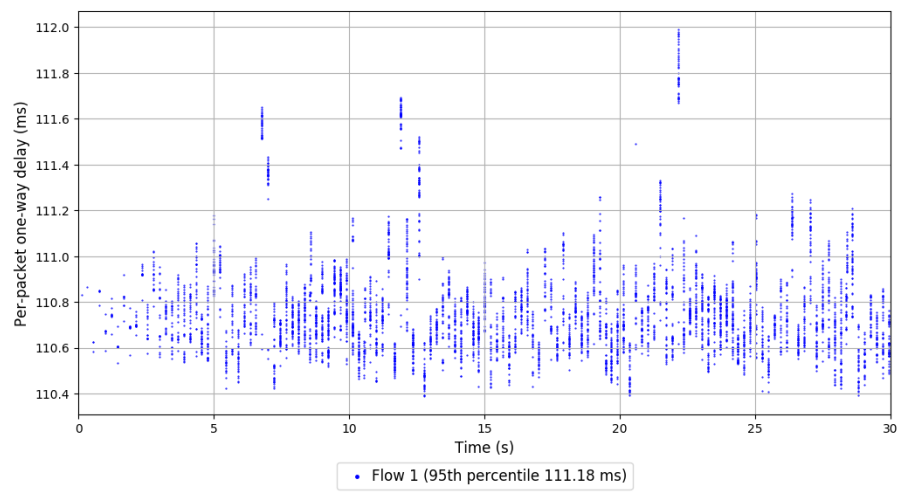
Run 1: Report of LEDBAT — Data Link

Flow 1 ingress (mean 2.17 Mbit/s) --- Flow 1 egress (mean 2.15 Mbit/s)

• Flow 1 (95th percentile 111.02 ms)

```
Run 2: Statistics of LEDBAT

Start at: 2017-08-11 07:46:47
End at: 2017-08-11 07:47:17

# Below is generated by plot.py at 2017-08-11 10:17:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 111.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 111.285 ms
Loss rate: 0.00%
```
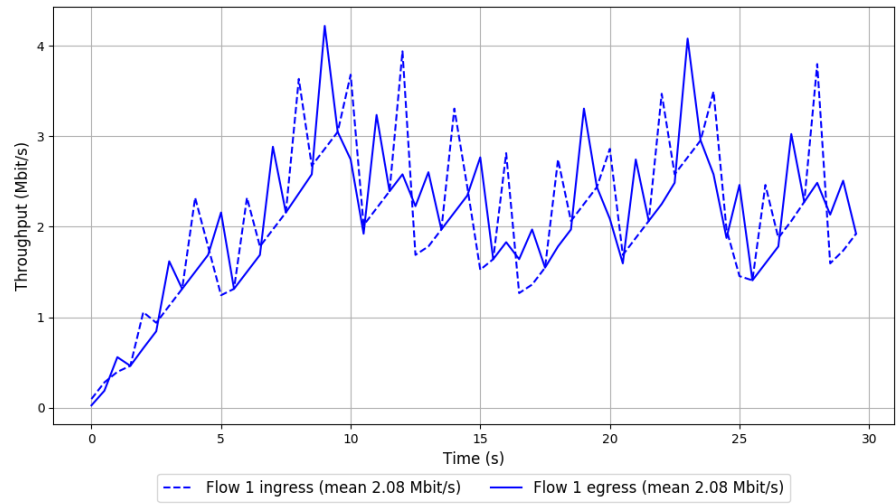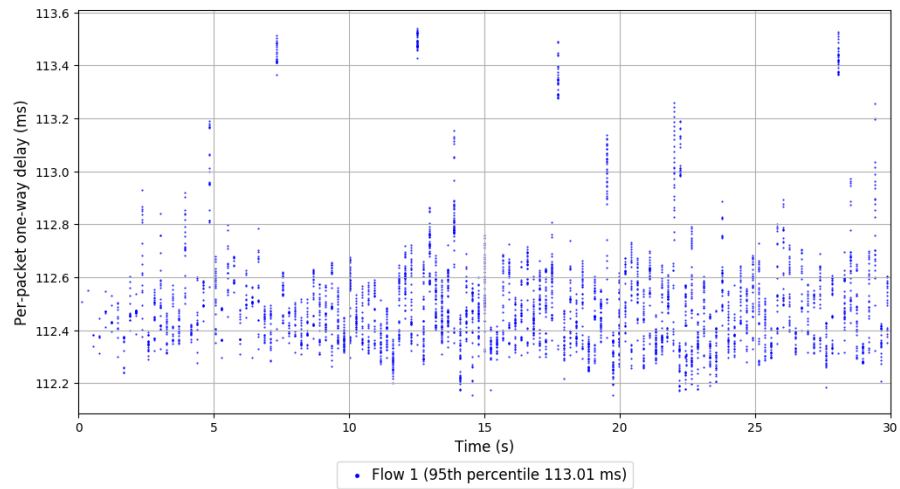
Run 2: Report of LEDBAT — Data Link

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

Flow 1 (95th percentile 111.28 ms)

```
Run 3: Statistics of LEDBAT

Start at: 2017-08-11 07:58:23
End at: 2017-08-11 07:58:53

# Below is generated by plot.py at 2017-08-11 10:17:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 111.178 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 111.178 ms
Loss rate: 0.00%
```
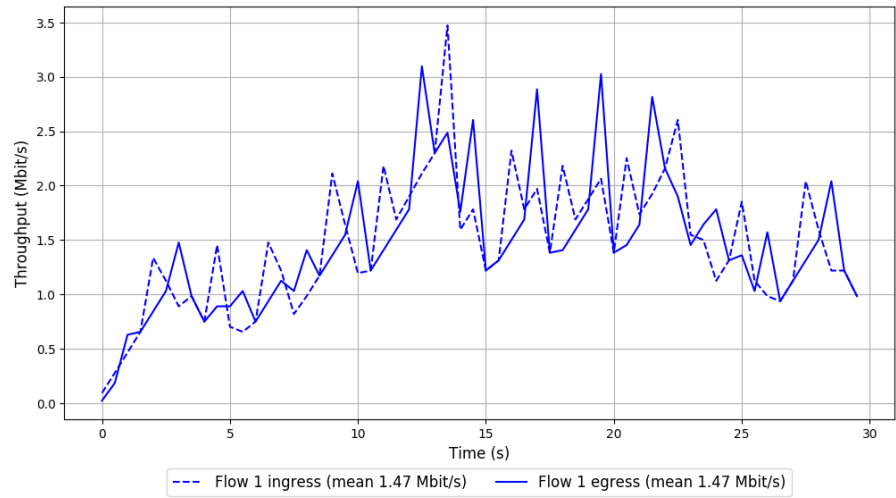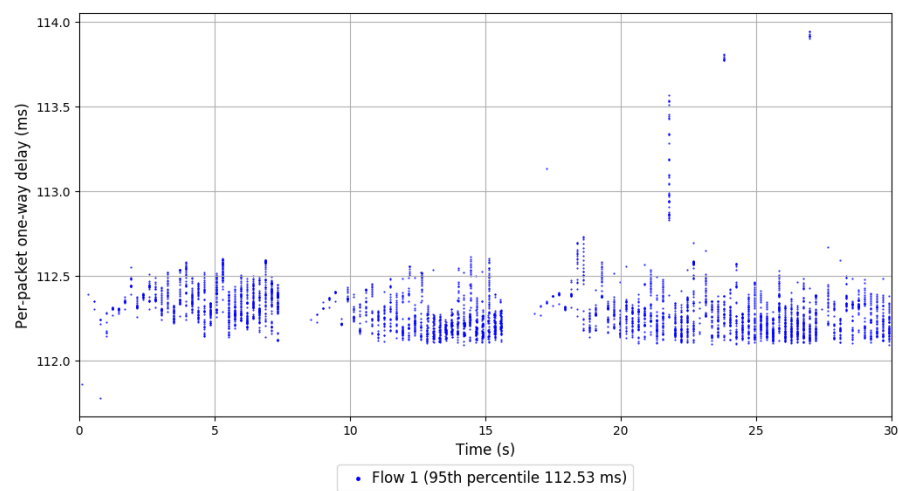
Run 3: Report of LEDBAT — Data Link

```
Run 4: Statistics of LEDBAT

Start at: 2017-08-11 08:09:24
End at: 2017-08-11 08:09:54

# Below is generated by plot.py at 2017-08-11 10:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 113.013 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.47 Mbit/s
95th percentile per-packet one-way delay: 113.013 ms
Loss rate: 0.00%
```
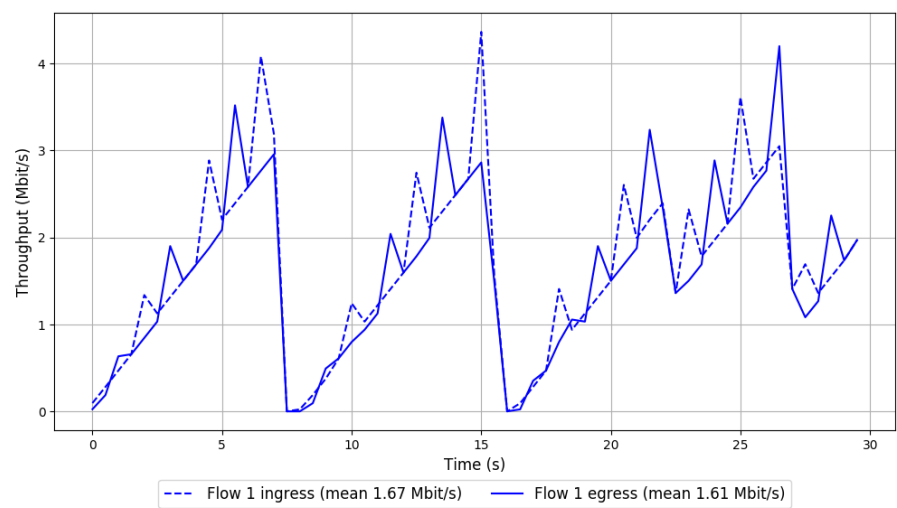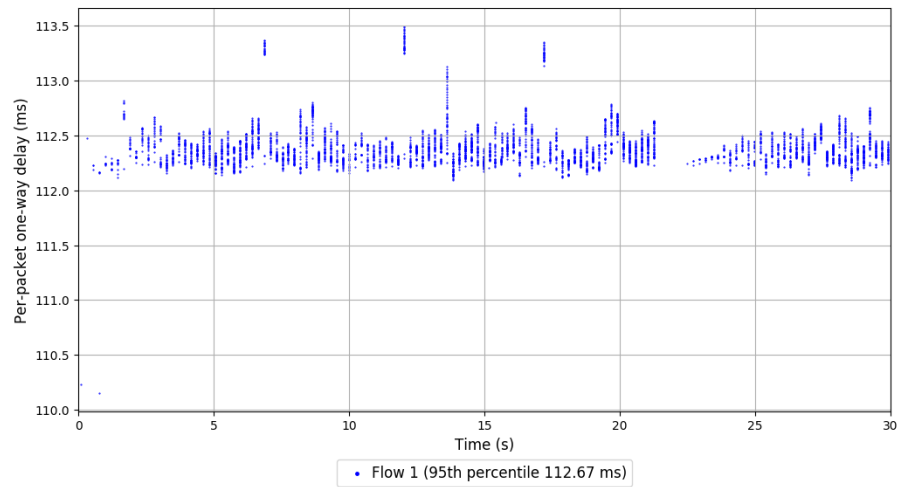
Run 4: Report of LEDBAT — Data Link

Flow 1 ingress (mean 1.47 Mbit/s) — — —   Flow 1 egress (mean 1.47 Mbit/s) ———

• Flow 1 (95th percentile 113.01 ms)

```
Run 5: Statistics of LEDBAT

Start at: 2017-08-11 08:20:27
End at: 2017-08-11 08:20:57

# Below is generated by plot.py at 2017-08-11 10:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 112.530 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 1.61 Mbit/s
95th percentile per-packet one-way delay: 112.530 ms
Loss rate: 3.49%
```
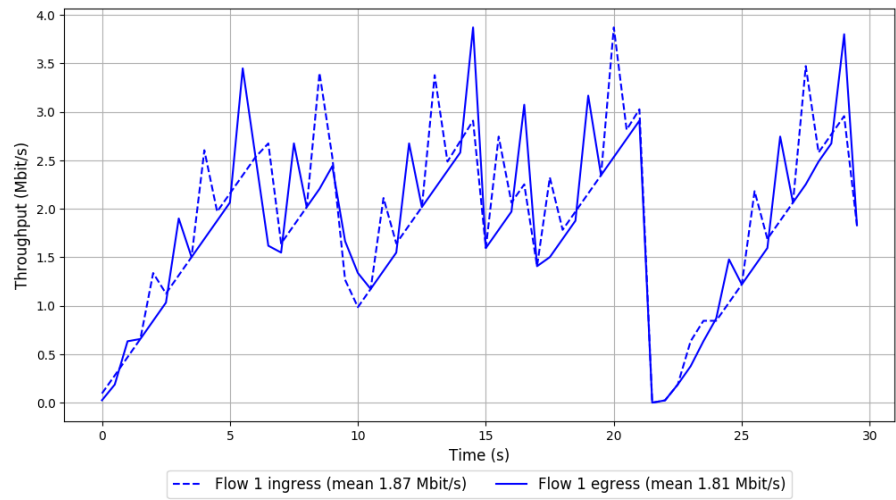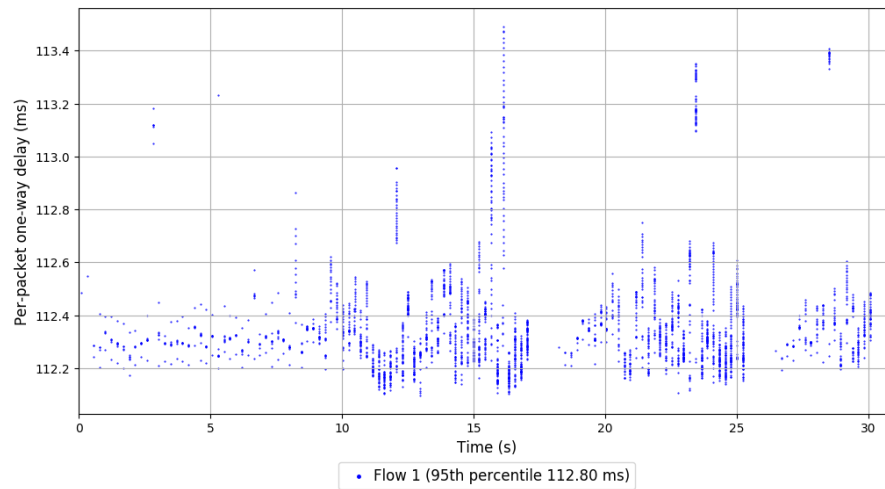
Run 5: Report of LEDBAT — Data Link

```
Run 6: Statistics of LEDBAT

Start at: 2017-08-11 08:31:27
End at: 2017-08-11 08:31:57

# Below is generated by plot.py at 2017-08-11 10:17:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 112.667 ms
Loss rate: 3.24%
-- Flow 1:
Average throughput: 1.81 Mbit/s
95th percentile per-packet one-way delay: 112.667 ms
Loss rate: 3.24%
```
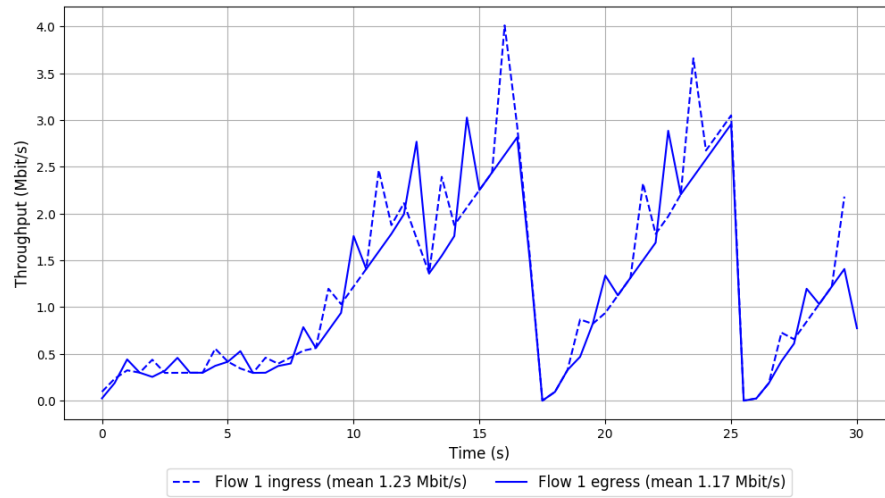
Run 6: Report of LEDBAT — Data Link

```
Run 7: Statistics of LEDBAT

Start at: 2017-08-11 08:42:44
End at: 2017-08-11 08:43:14

# Below is generated by plot.py at 2017-08-11 10:17:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 112.804 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 112.804 ms
Loss rate: 4.28%
```
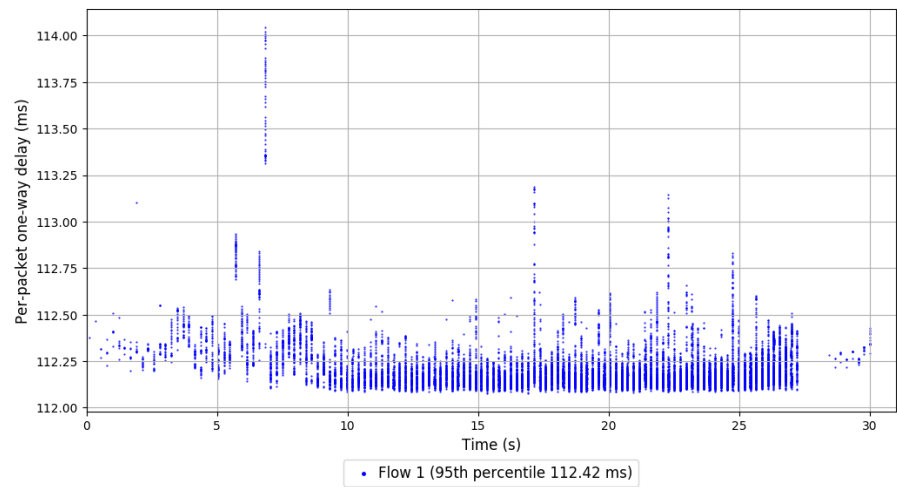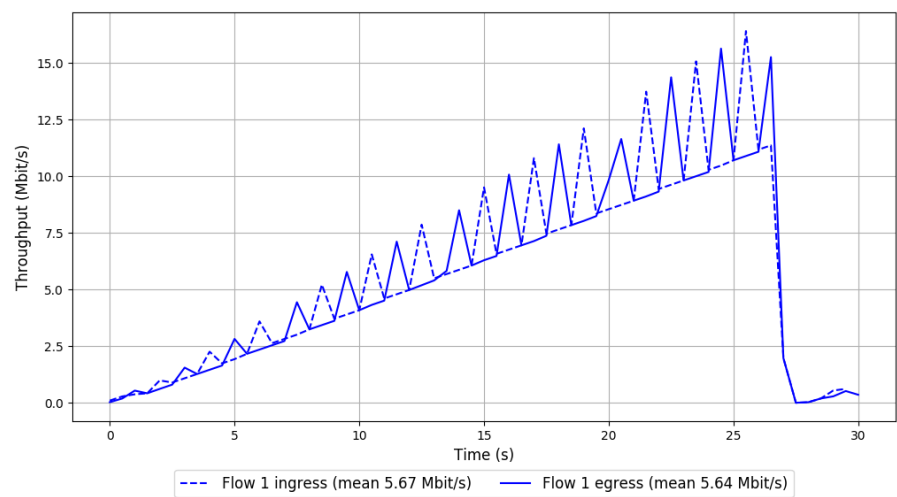
Run 7: Report of LEDBAT — Data Link

Flow 1 ingress (mean 1.23 Mbit/s) --- Flow 1 egress (mean 1.17 Mbit/s)

Flow 1 (95th percentile 112.80 ms)

```
Run 8: Statistics of LEDBAT

Start at: 2017-08-11 08:53:44
End at: 2017-08-11 08:54:14

# Below is generated by plot.py at 2017-08-11 10:17:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 112.422 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 112.422 ms
Loss rate: 0.51%
```
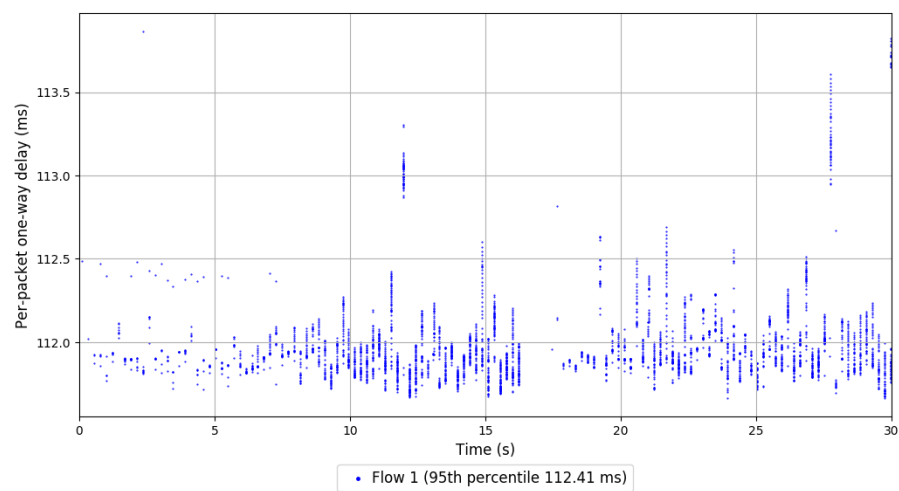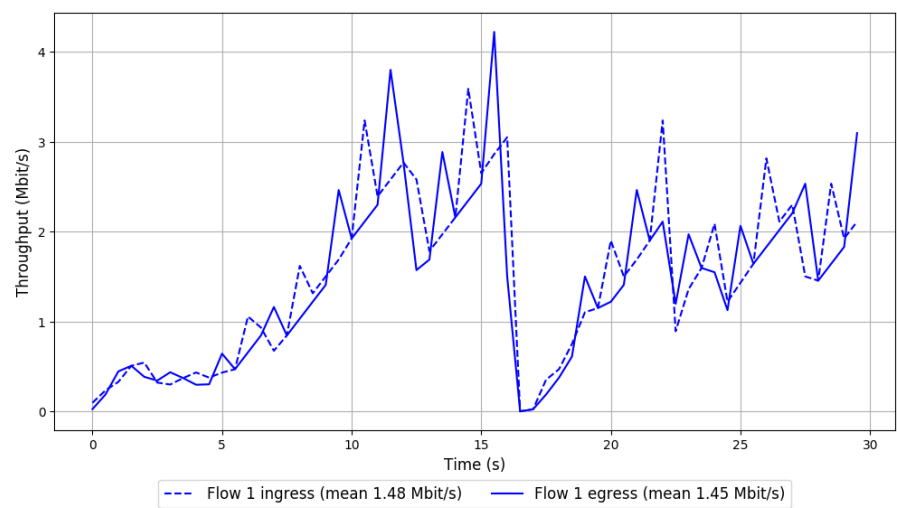
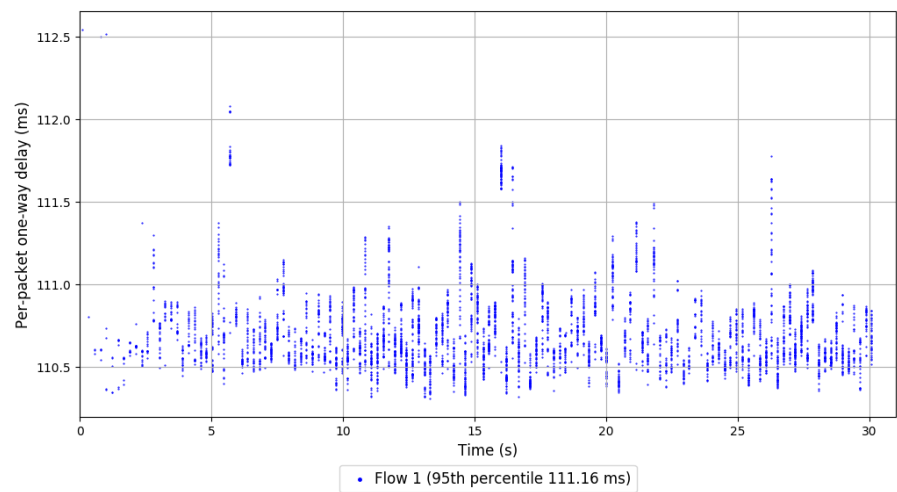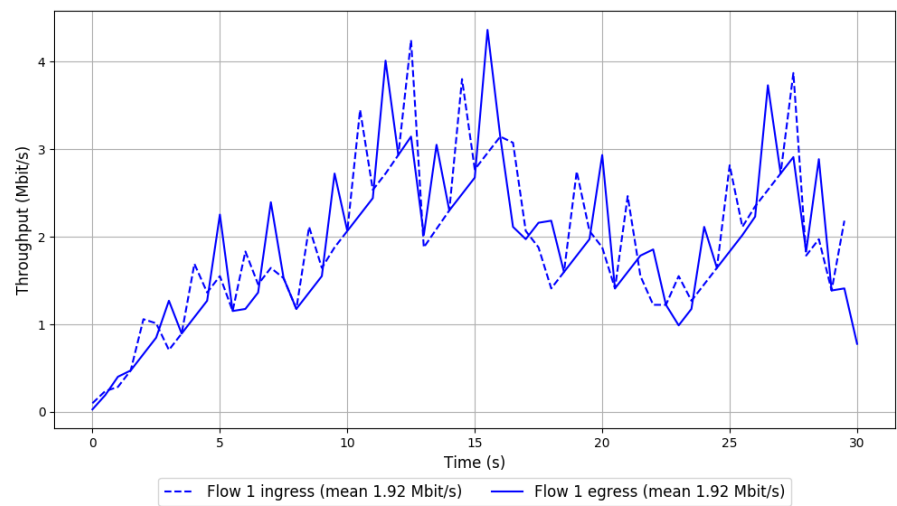Run 8: Report of LEDBAT — Data Link

Flow 1 ingress (mean 5.67 Mbit/s)   Flow 1 egress (mean 5.64 Mbit/s)

• Flow 1 (95th percentile 112.42 ms)

```
Run 9: Statistics of LEDBAT

Start at: 2017-08-11 09:05:24
End at: 2017-08-11 09:05:54

# Below is generated by plot.py at 2017-08-11 10:17:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 112.411 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 112.411 ms
Loss rate: 2.36%
```

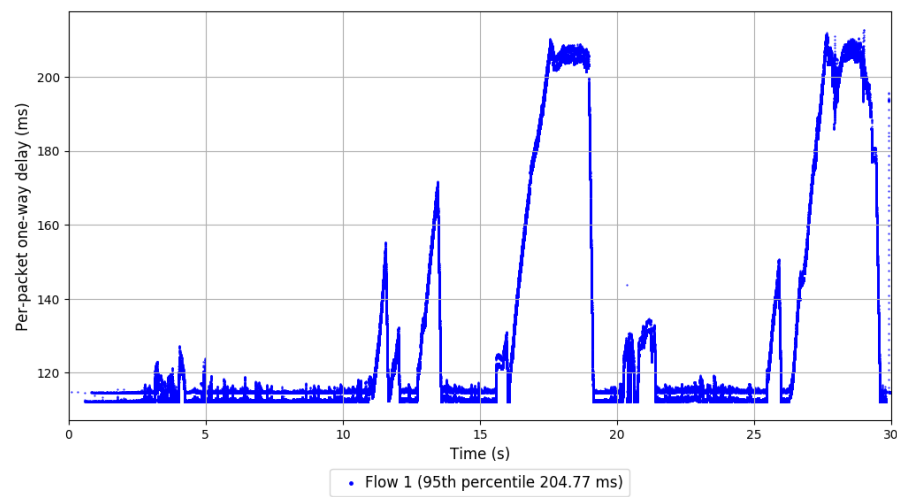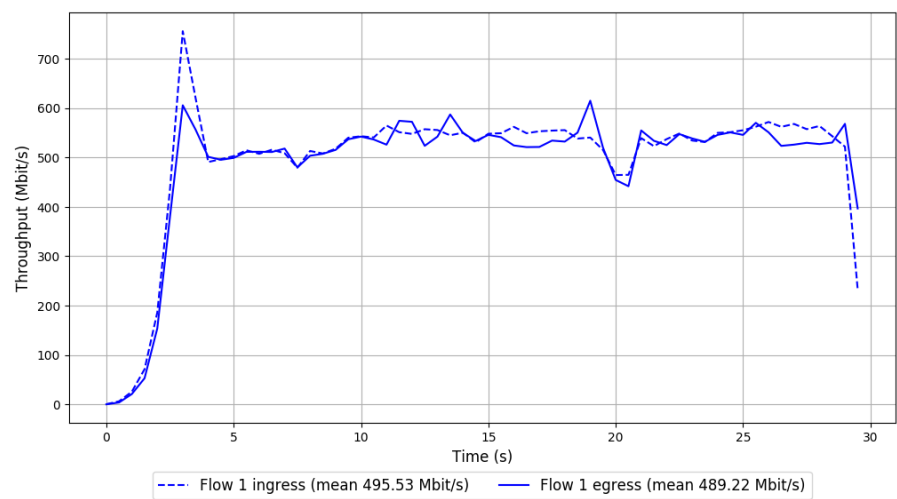## Run 9: Report of LEDBAT — Data Link

Flow 1 ingress (mean 1.48 Mbit/s) ——— Flow 1 egress (mean 1.45 Mbit/s)

• Flow 1 (95th percentile 112.41 ms)

```
Run 10: Statistics of LEDBAT

Start at: 2017-08-11 09:16:25
End at: 2017-08-11 09:16:55

# Below is generated by plot.py at 2017-08-11 10:17:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 111.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 111.164 ms
Loss rate: 0.00%
```
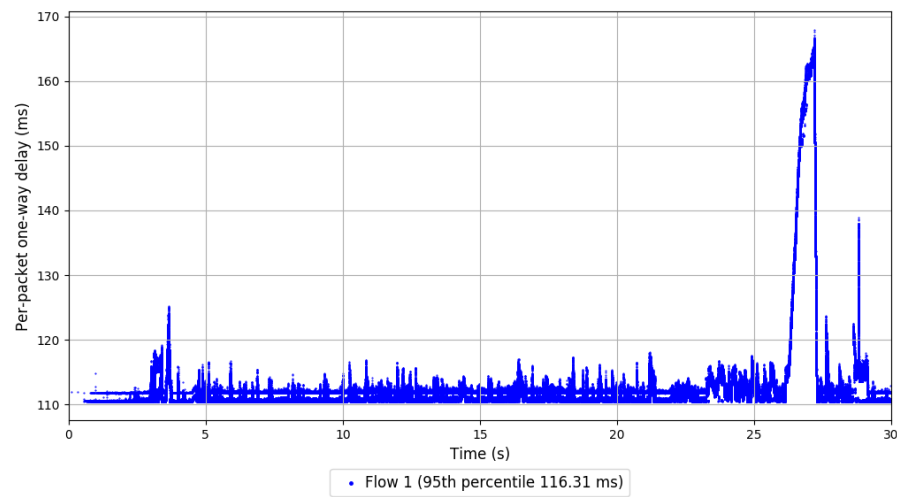
Run 10: Report of LEDBAT — Data Link

```
Run 1: Statistics of PCC

Start at: 2017-08-11 07:32:03
End at: 2017-08-11 07:32:33

# Below is generated by plot.py at 2017-08-11 10:18:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 489.22 Mbit/s
95th percentile per-packet one-way delay: 204.766 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 489.22 Mbit/s
95th percentile per-packet one-way delay: 204.766 ms
Loss rate: 1.29%
```
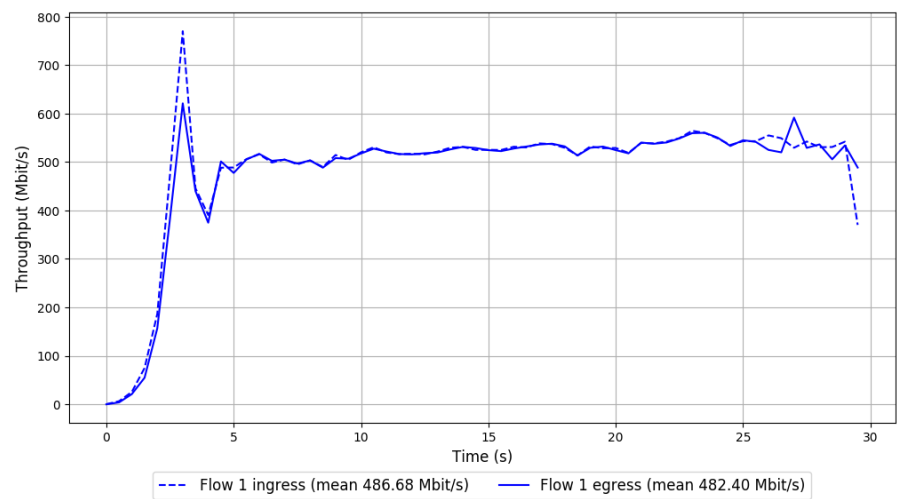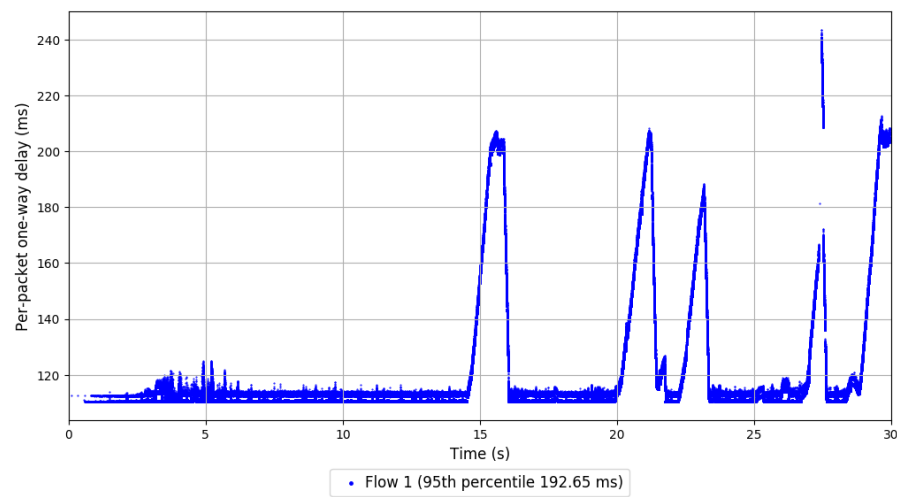
Run 1: Report of PCC — Data Link

```
Run 2: Statistics of PCC

Start at: 2017-08-11 07:43:36
End at: 2017-08-11 07:44:06

# Below is generated by plot.py at 2017-08-11 10:18:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 482.40 Mbit/s
95th percentile per-packet one-way delay: 116.306 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 482.40 Mbit/s
95th percentile per-packet one-way delay: 116.306 ms
Loss rate: 0.88%
```
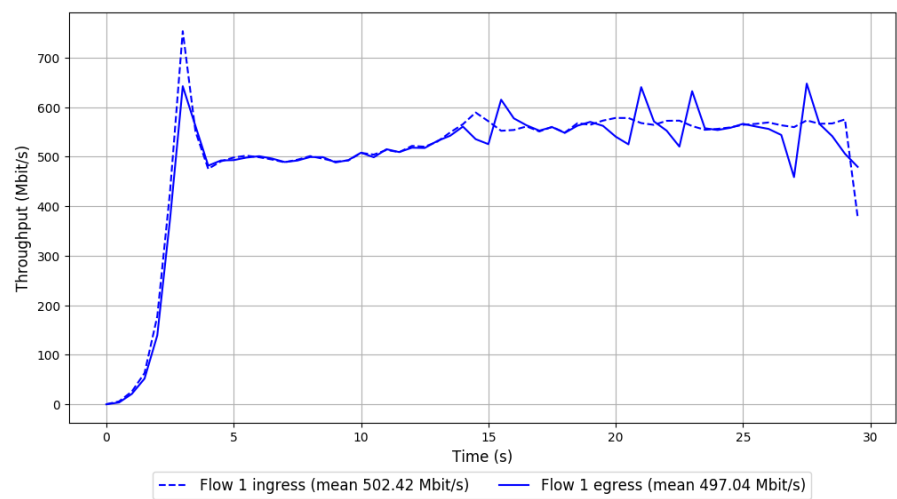
Run 2: Report of PCC — Data Link

Flow 1 ingress (mean 486.68 Mbit/s) — Flow 1 egress (mean 482.40 Mbit/s)

Flow 1 (95th percentile 116.31 ms)

```
Run 3: Statistics of PCC

Start at: 2017-08-11 07:55:15
End at: 2017-08-11 07:55:45

# Below is generated by plot.py at 2017-08-11 10:20:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 497.04 Mbit/s
95th percentile per-packet one-way delay: 192.646 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 497.04 Mbit/s
95th percentile per-packet one-way delay: 192.646 ms
Loss rate: 1.07%
```
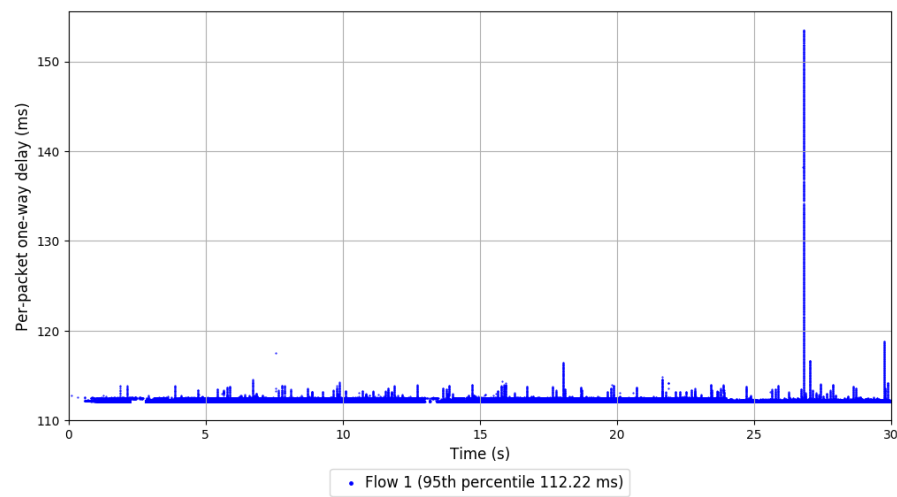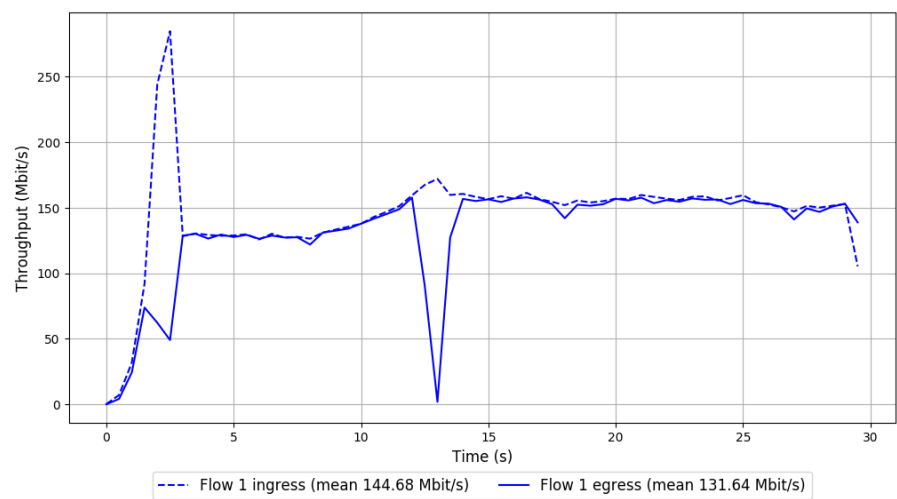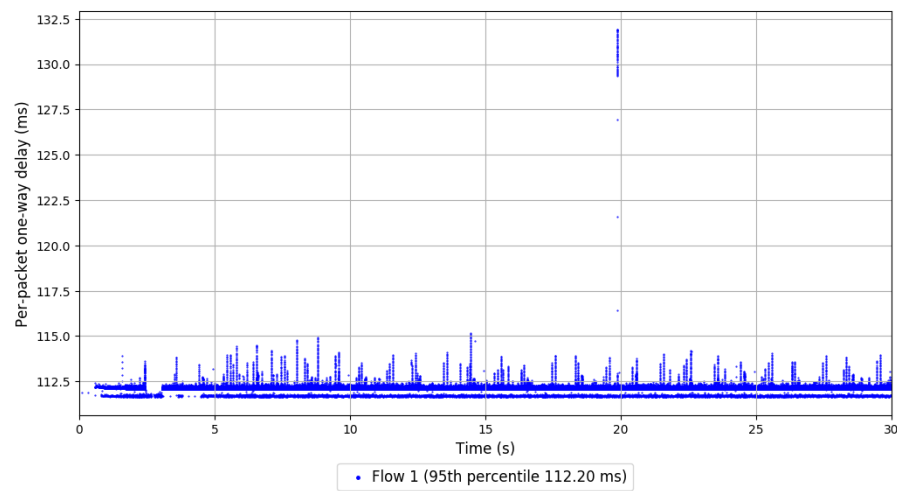
Run 3: Report of PCC — Data Link

Flow 1 ingress (mean 502.42 Mbit/s) —— Flow 1 egress (mean 497.04 Mbit/s)

• Flow 1 (95th percentile 192.65 ms)

129

```
Run 4: Statistics of PCC

Start at: 2017-08-11 08:06:32
End at: 2017-08-11 08:07:02

# Below is generated by plot.py at 2017-08-11 10:20:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.64 Mbit/s
95th percentile per-packet one-way delay: 112.225 ms
Loss rate: 9.02%
-- Flow 1:
Average throughput: 131.64 Mbit/s
95th percentile per-packet one-way delay: 112.225 ms
Loss rate: 9.02%
```
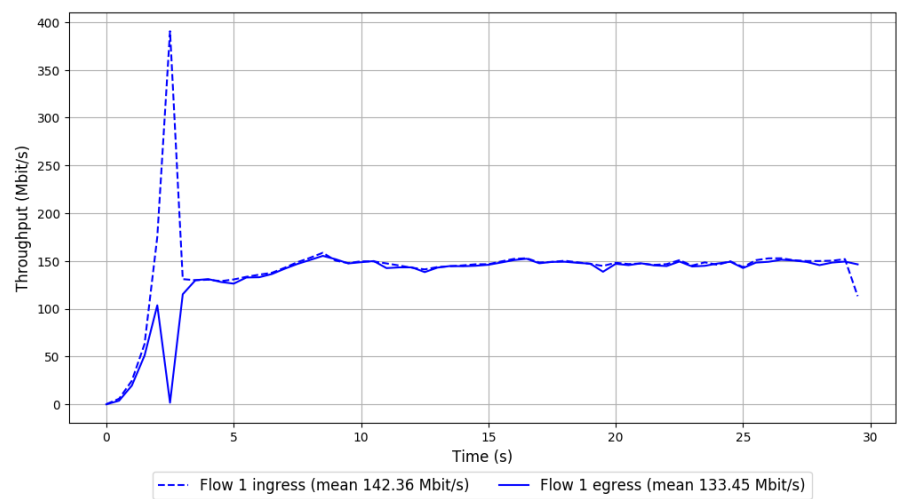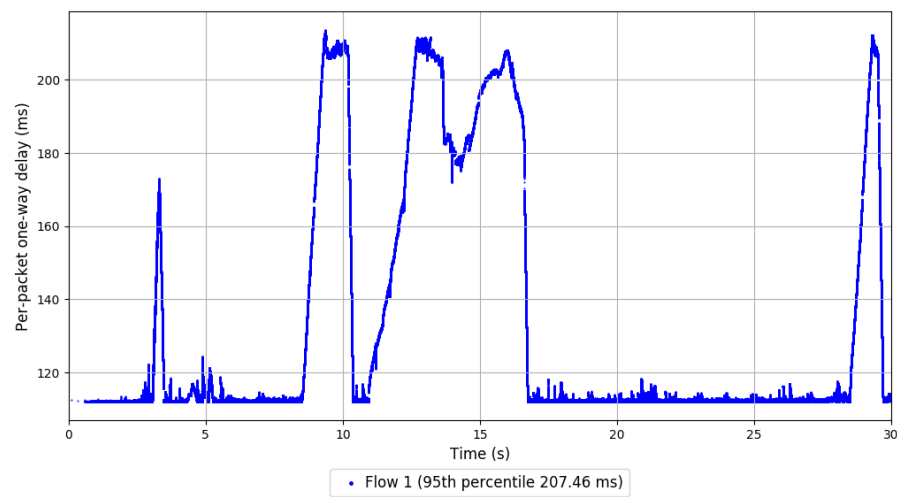
Run 4: Report of PCC — Data Link

Flow 1 ingress (mean 144.68 Mbit/s) --- Flow 1 egress (mean 131.64 Mbit/s)

• Flow 1 (95th percentile 112.22 ms)

```
Run 5: Statistics of PCC

Start at: 2017-08-11 08:17:34
End at: 2017-08-11 08:18:04

# Below is generated by plot.py at 2017-08-11 10:20:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.45 Mbit/s
95th percentile per-packet one-way delay: 112.205 ms
Loss rate: 6.25%
-- Flow 1:
Average throughput: 133.45 Mbit/s
95th percentile per-packet one-way delay: 112.205 ms
Loss rate: 6.25%
```
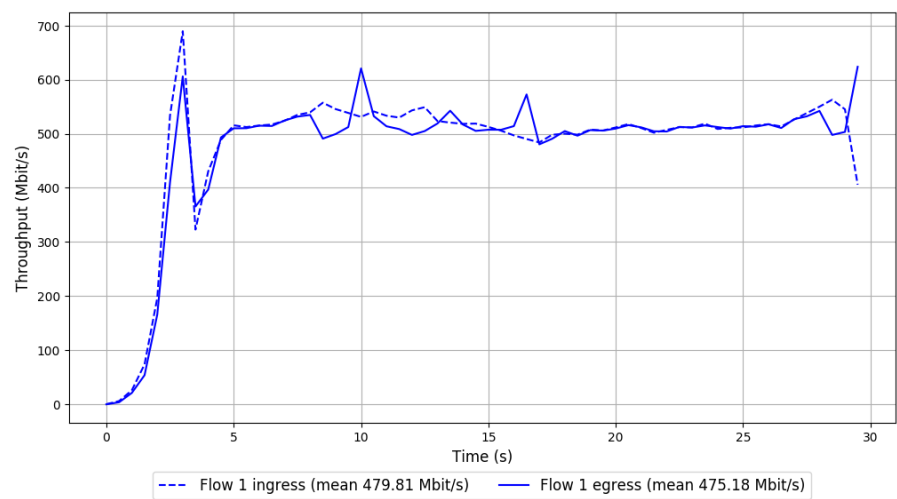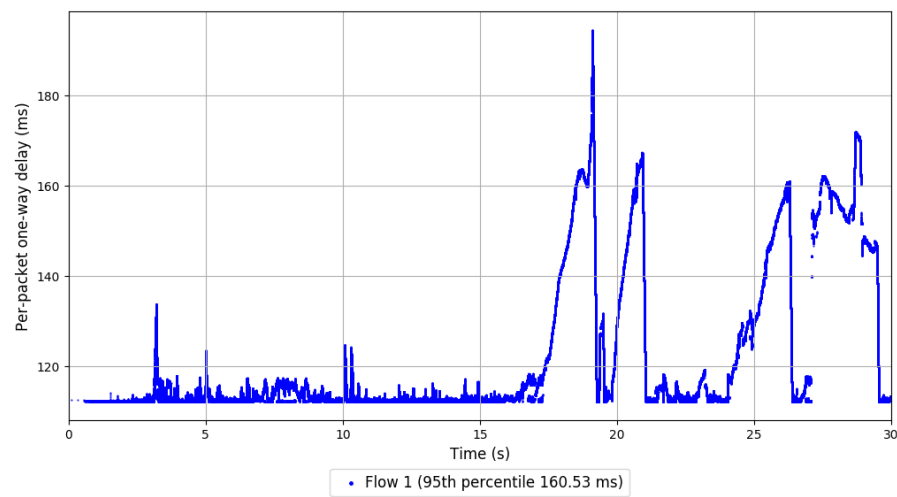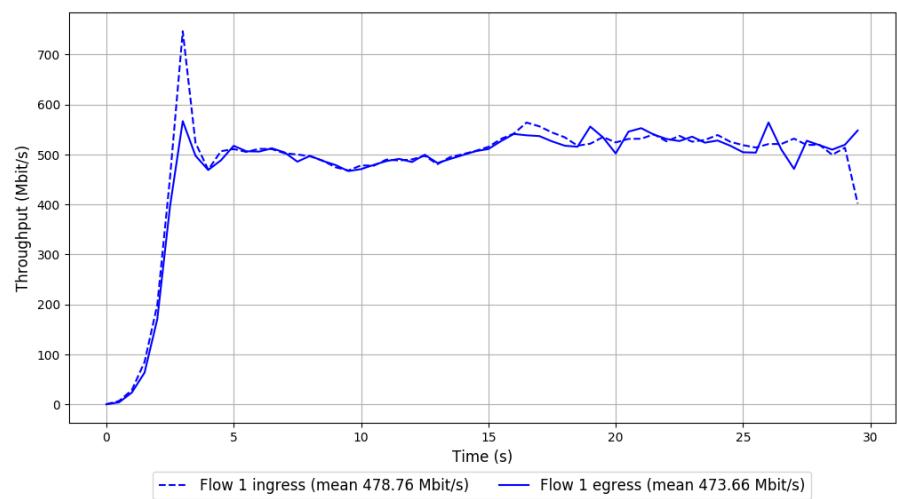
Run 5: Report of PCC — Data Link

Flow 1 ingress (mean 142.36 Mbit/s) — — — Flow 1 egress (mean 133.45 Mbit/s)

Flow 1 (95th percentile 112.20 ms)

```
Run 6: Statistics of PCC

Start at: 2017-08-11 08:28:21
End at: 2017-08-11 08:28:51

# Below is generated by plot.py at 2017-08-11 10:21:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 475.18 Mbit/s
95th percentile per-packet one-way delay: 207.461 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 475.18 Mbit/s
95th percentile per-packet one-way delay: 207.461 ms
Loss rate: 0.97%
```
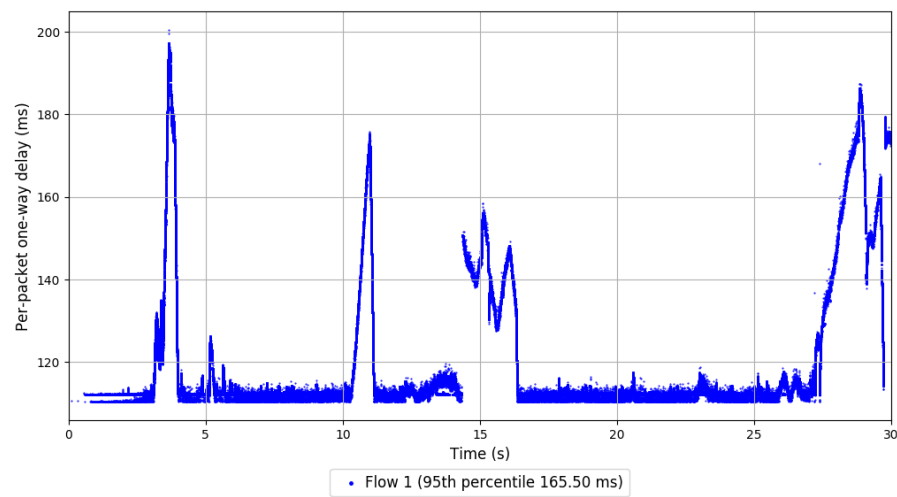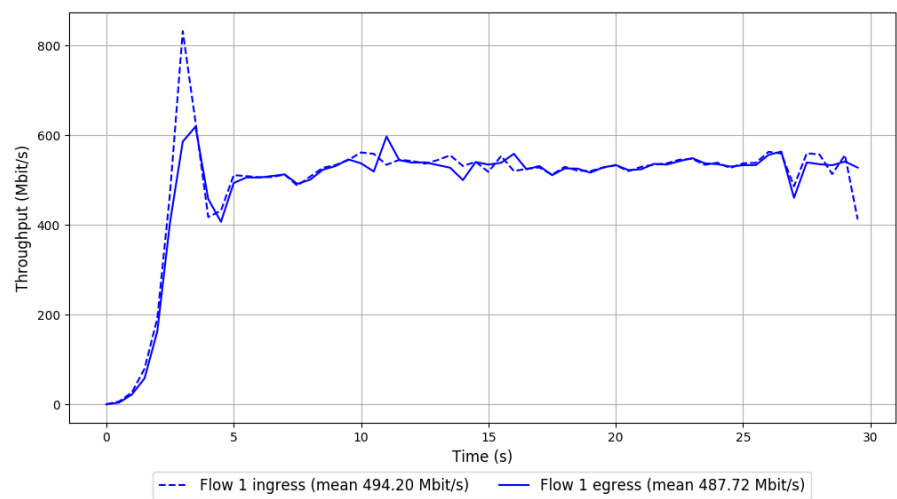
Run 6: Report of PCC — Data Link

Flow 1 ingress (mean 479.81 Mbit/s)   Flow 1 egress (mean 475.18 Mbit/s)

• Flow 1 (95th percentile 207.46 ms)

```
Run 7: Statistics of PCC

Start at: 2017-08-11 08:39:36
End at: 2017-08-11 08:40:06

# Below is generated by plot.py at 2017-08-11 10:21:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 473.66 Mbit/s
95th percentile per-packet one-way delay: 160.534 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 473.66 Mbit/s
95th percentile per-packet one-way delay: 160.534 ms
Loss rate: 1.06%
```
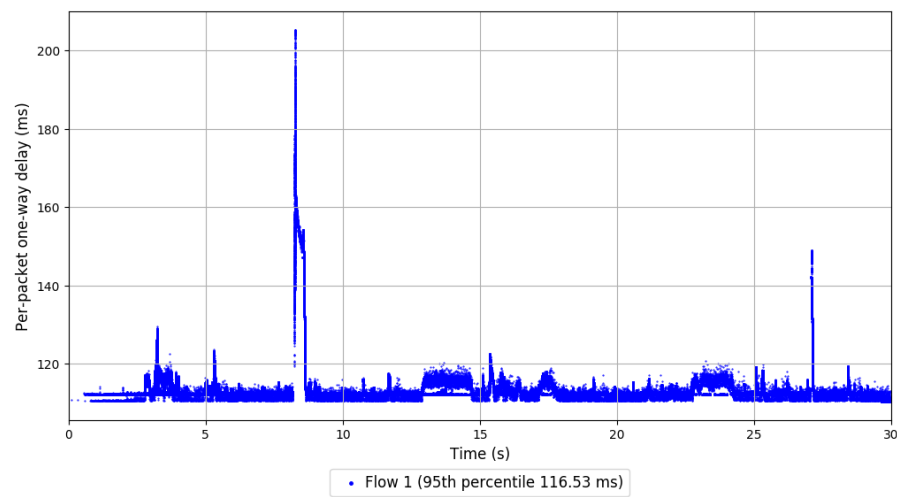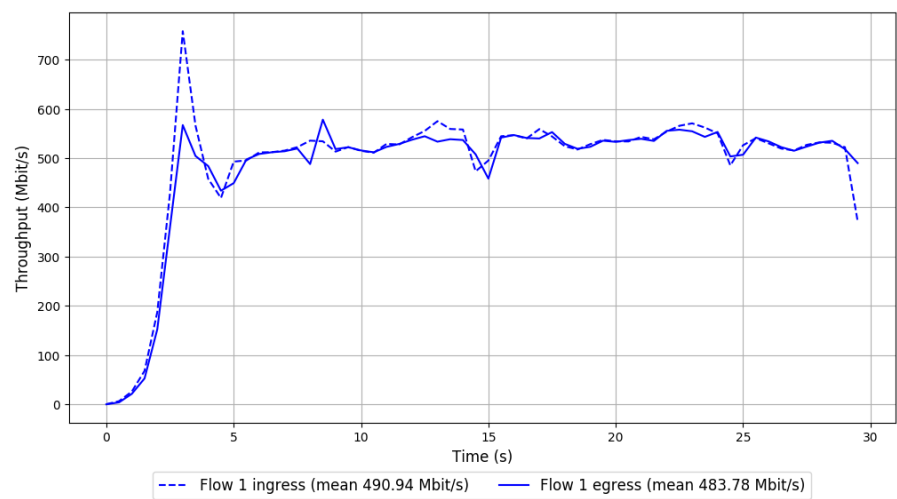
Run 7: Report of PCC — Data Link

Flow 1 ingress (mean 478.76 Mbit/s)   Flow 1 egress (mean 473.66 Mbit/s)

Flow 1 (95th percentile 160.53 ms)

```
Run 8: Statistics of PCC

Start at: 2017-08-11 08:50:38
End at: 2017-08-11 08:51:08

# Below is generated by plot.py at 2017-08-11 10:23:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 487.72 Mbit/s
95th percentile per-packet one-way delay: 165.499 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 487.72 Mbit/s
95th percentile per-packet one-way delay: 165.499 ms
Loss rate: 1.31%
```
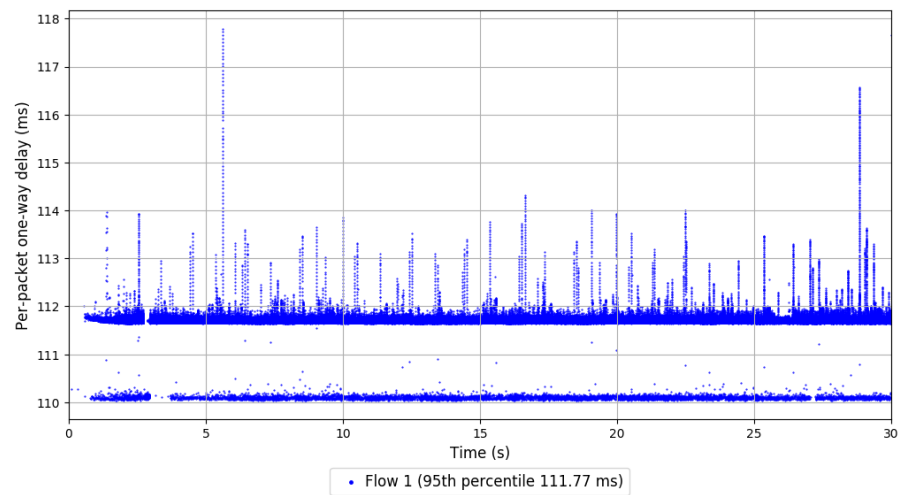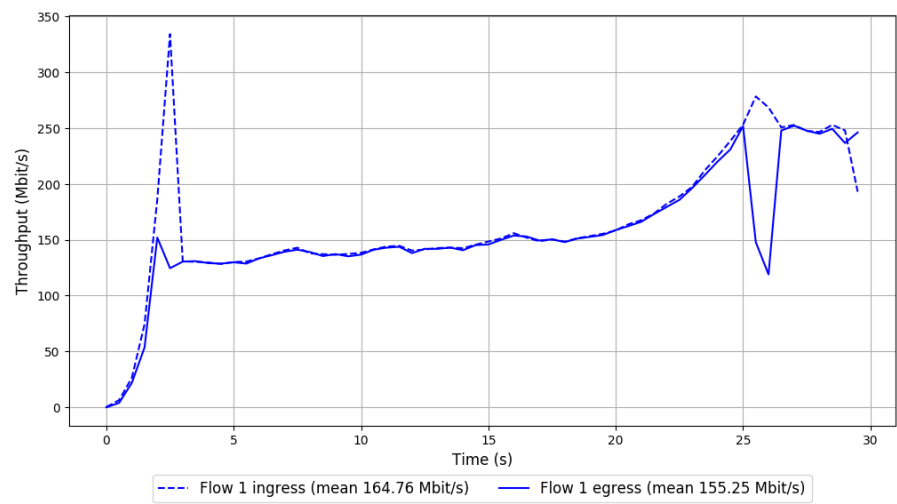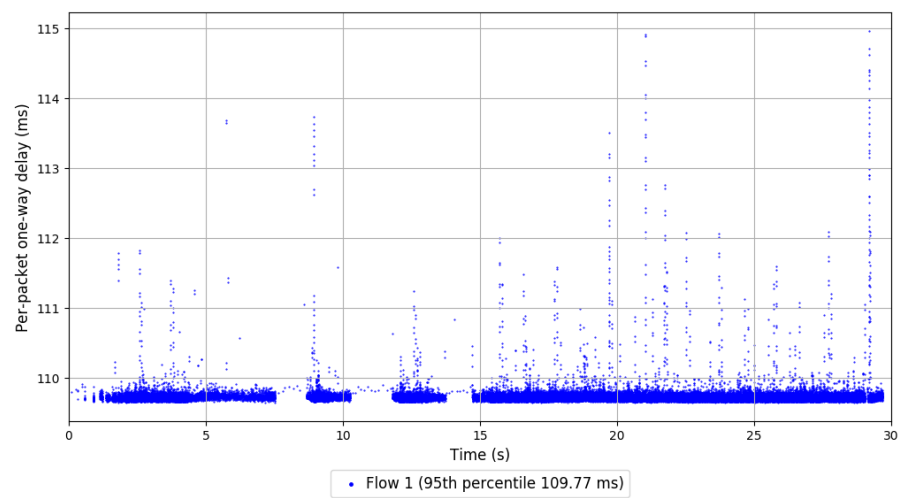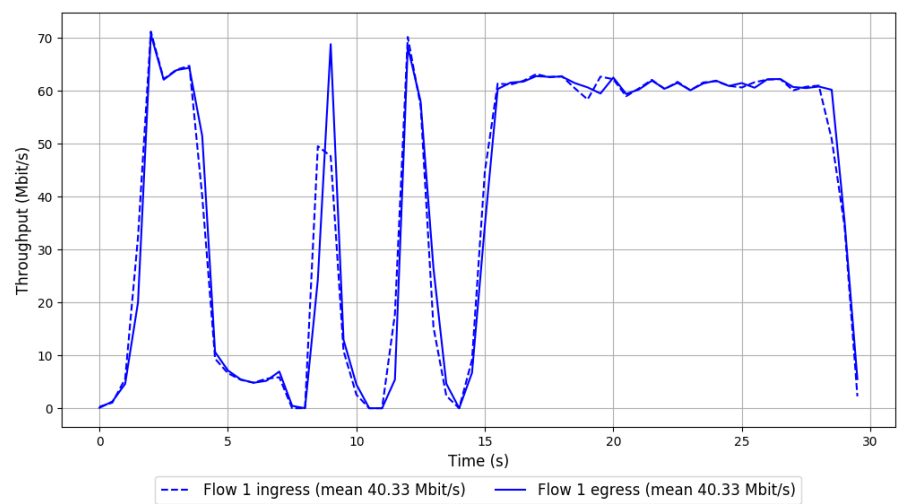
Run 8: Report of PCC — Data Link

```
Run 9: Statistics of PCC

Start at: 2017-08-11 09:02:15
End at: 2017-08-11 09:02:45

# Below is generated by plot.py at 2017-08-11 10:23:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 483.78 Mbit/s
95th percentile per-packet one-way delay: 116.529 ms
Loss rate: 1.46%
-- Flow 1:
Average throughput: 483.78 Mbit/s
95th percentile per-packet one-way delay: 116.529 ms
Loss rate: 1.46%
```

Run 9: Report of PCC — Data Link

```
Run 10: Statistics of PCC

Start at: 2017-08-11 09:13:31
End at: 2017-08-11 09:14:01

# Below is generated by plot.py at 2017-08-11 10:23:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.25 Mbit/s
95th percentile per-packet one-way delay: 111.769 ms
Loss rate: 5.78%
-- Flow 1:
Average throughput: 155.25 Mbit/s
95th percentile per-packet one-way delay: 111.769 ms
Loss rate: 5.78%
```
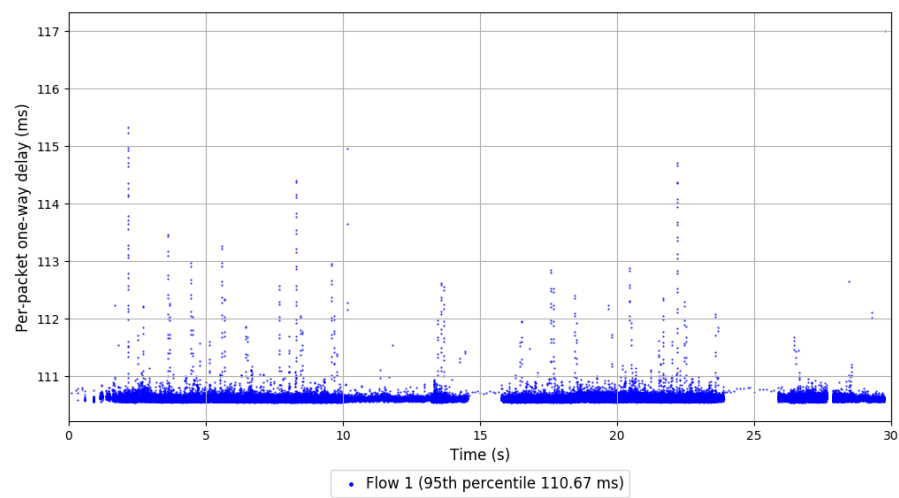
Run 10: Report of PCC — Data Link

```
Run 1: Statistics of QUIC Cubic

Start at: 2017-08-11 07:33:46
End at: 2017-08-11 07:34:16

# Below is generated by plot.py at 2017-08-11 10:23:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 109.770 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 109.770 ms
Loss rate: 0.00%
```
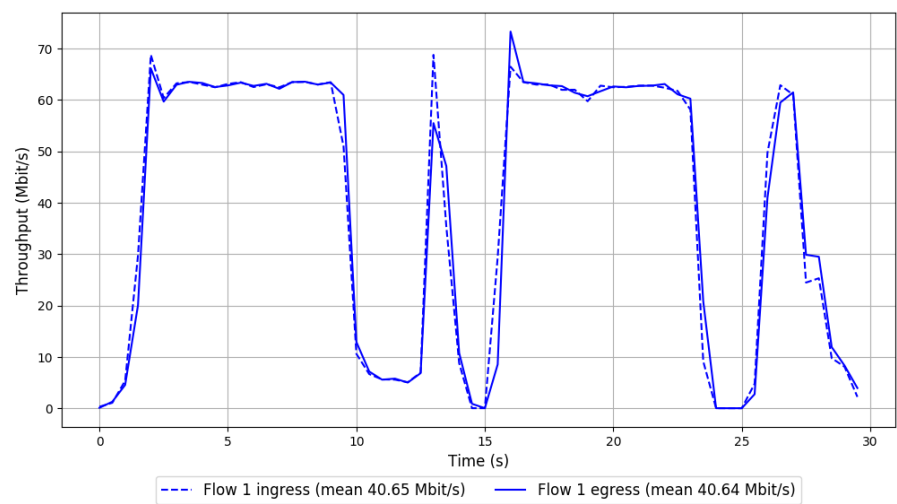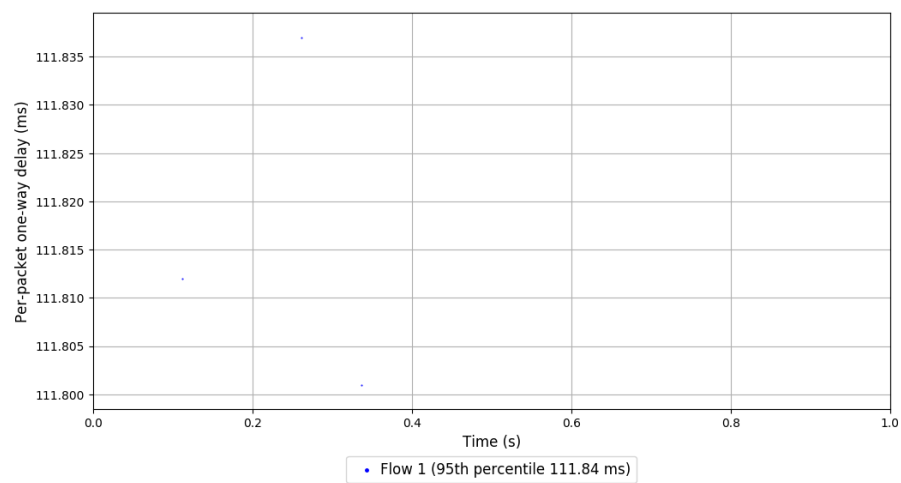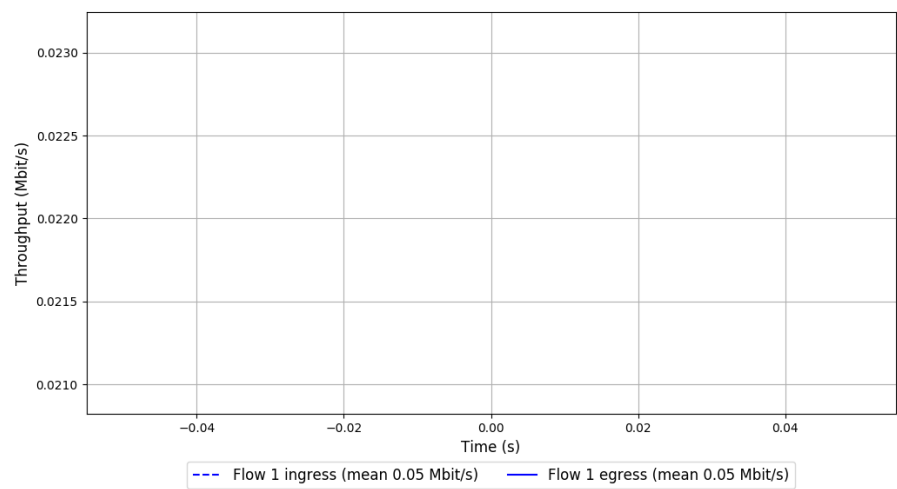
Run 1: Report of QUIC Cubic — Data Link

```
Run 2: Statistics of QUIC Cubic

Start at: 2017-08-11 07:45:22
End at: 2017-08-11 07:45:52

# Below is generated by plot.py at 2017-08-11 10:23:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 110.666 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.64 Mbit/s
95th percentile per-packet one-way delay: 110.666 ms
Loss rate: 0.00%
```
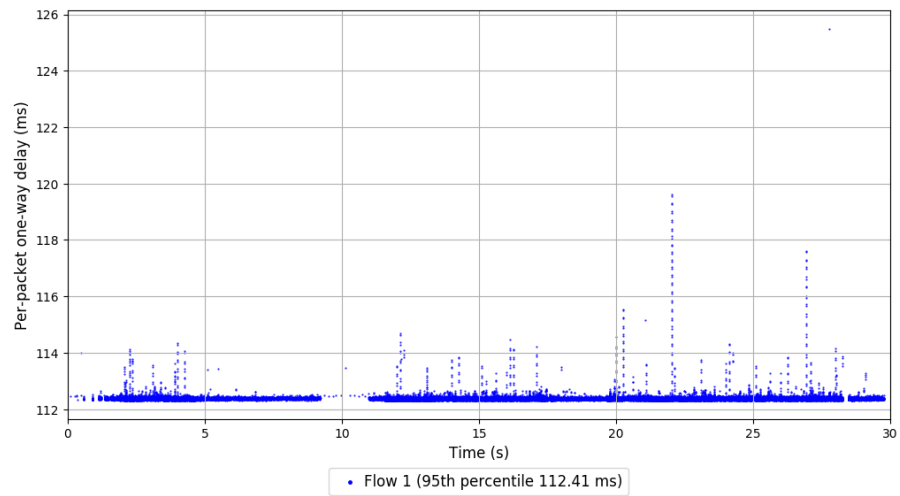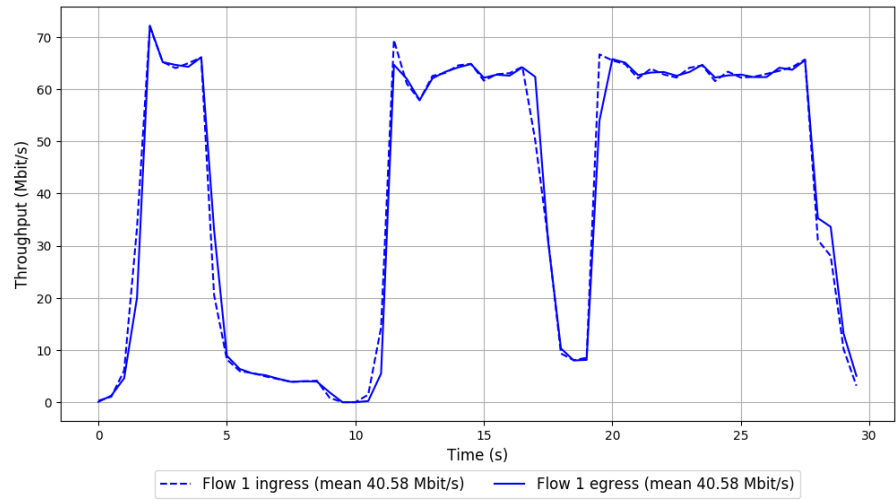
Run 2: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 40.65 Mbit/s) ---- Flow 1 egress (mean 40.64 Mbit/s) ——

• Flow 1 (95th percentile 110.67 ms)

Run 3: Statistics of QUIC Cubic

Start at: 2017-08-11 07:57:01
End at: 2017-08-11 07:57:31

Run 3: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 0.05 Mbit/s) --- Flow 1 egress (mean 0.05 Mbit/s)

Flow 1 (95th percentile 111.84 ms)

```
Run 4: Statistics of QUIC Cubic

Start at: 2017-08-11 08:07:59
End at: 2017-08-11 08:08:29

# Below is generated by plot.py at 2017-08-11 10:23:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 112.414 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.58 Mbit/s
95th percentile per-packet one-way delay: 112.414 ms
Loss rate: 0.00%
```
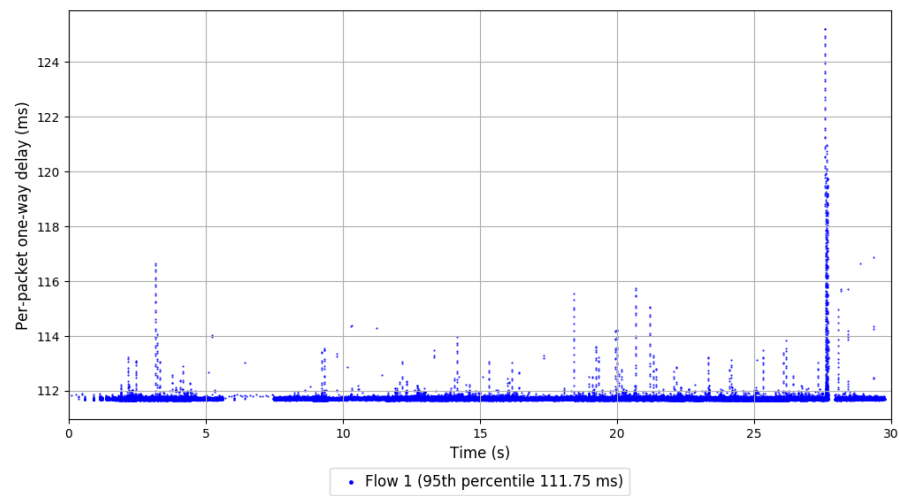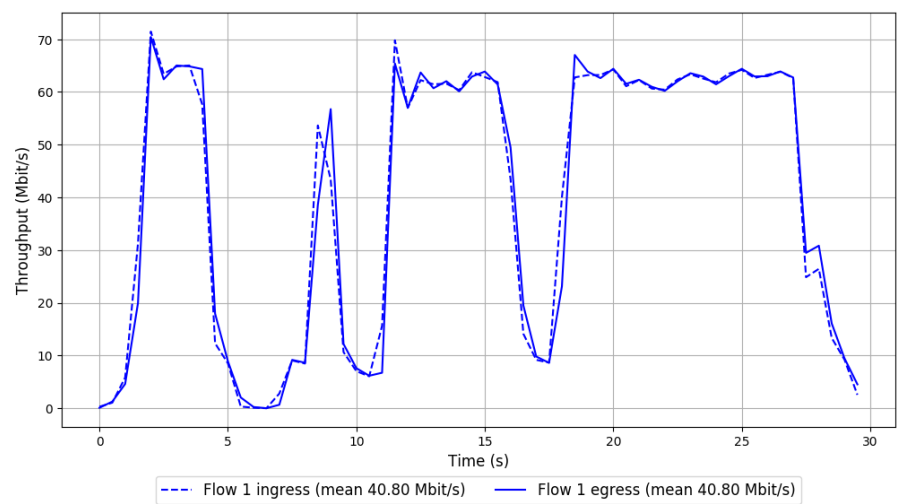
Run 4: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 40.58 Mbit/s)   Flow 1 egress (mean 40.58 Mbit/s)

Flow 1 (95th percentile 112.41 ms)

```
Run 5: Statistics of QUIC Cubic

Start at: 2017-08-11 08:19:02
End at: 2017-08-11 08:19:32


# Below is generated by plot.py at 2017-08-11 10:24:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 111.750 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.80 Mbit/s
95th percentile per-packet one-way delay: 111.750 ms
Loss rate: 0.00%
```
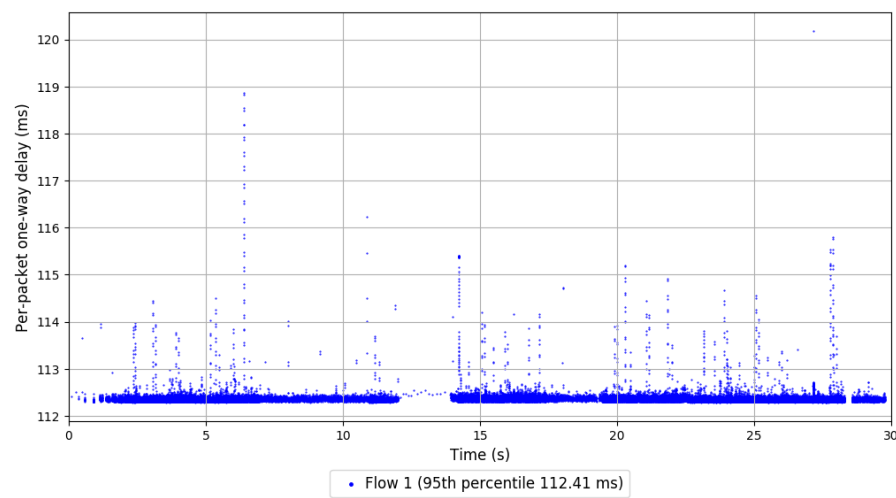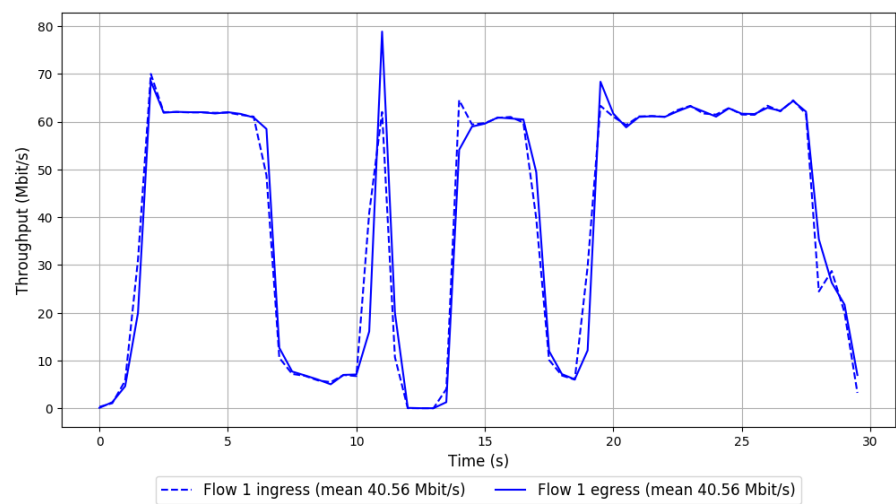
Run 5: Report of QUIC Cubic — Data Link

```
Run 6: Statistics of QUIC Cubic

Start at: 2017-08-11 08:30:02
End at: 2017-08-11 08:30:32


# Below is generated by plot.py at 2017-08-11 10:24:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 112.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.56 Mbit/s
95th percentile per-packet one-way delay: 112.407 ms
Loss rate: 0.00%
```
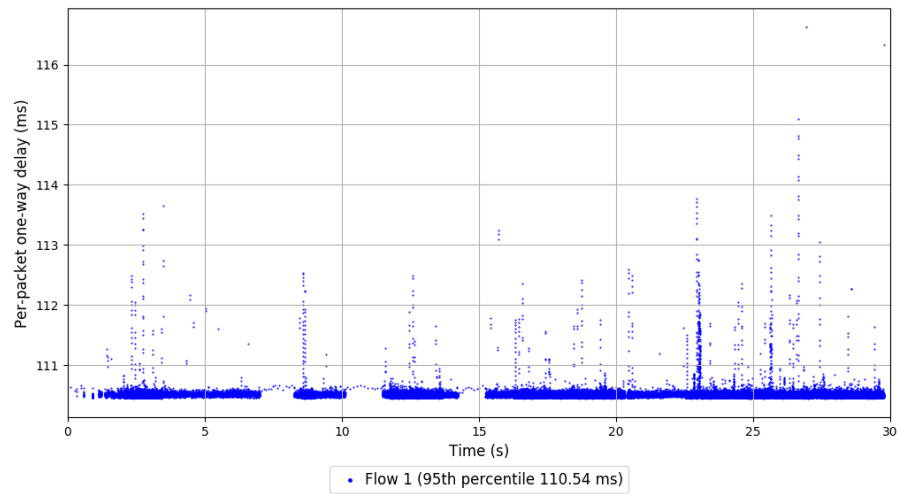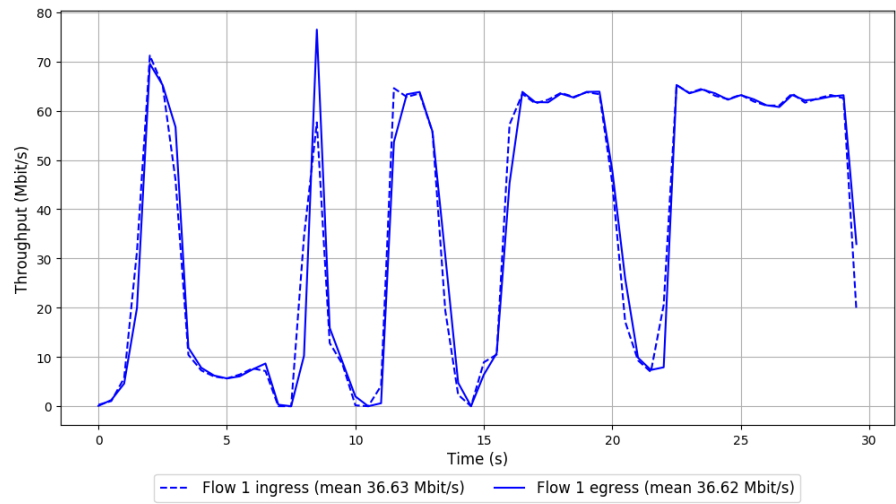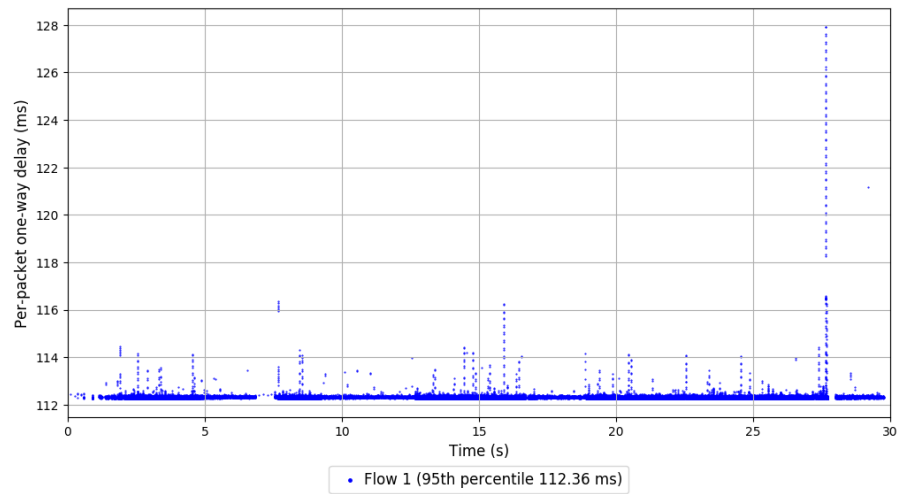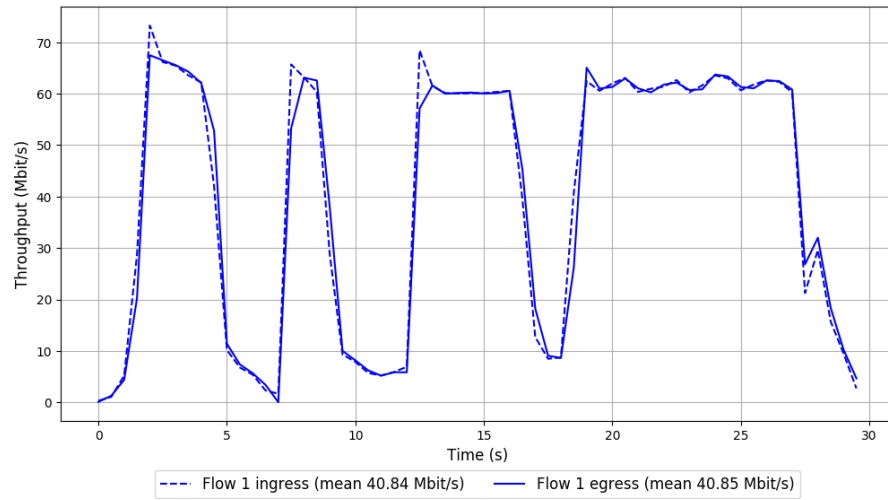
Run 6: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 40.56 Mbit/s) ----- Flow 1 egress (mean 40.56 Mbit/s)

Flow 1 (95th percentile 112.41 ms)

155

```
Run 7: Statistics of QUIC Cubic

Start at: 2017-08-11 08:41:19
End at: 2017-08-11 08:41:49


# Below is generated by plot.py at 2017-08-11 10:24:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 110.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 36.62 Mbit/s
95th percentile per-packet one-way delay: 110.543 ms
Loss rate: 0.00%
```
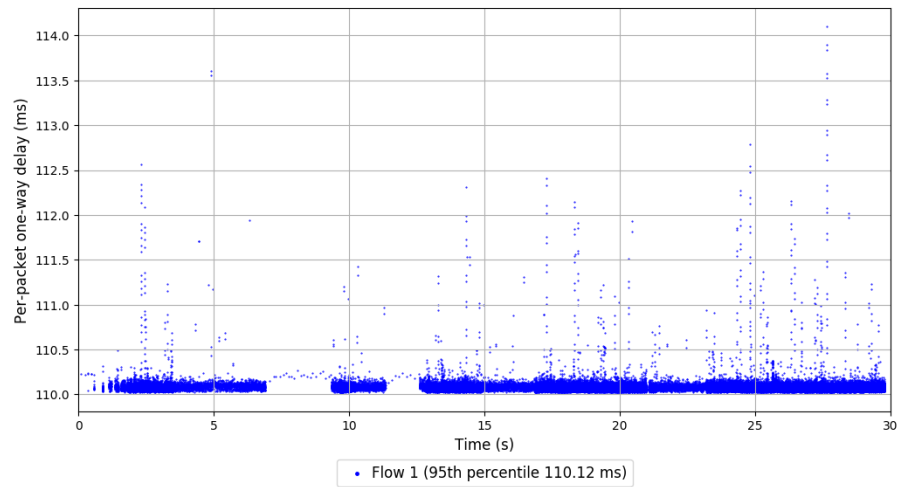
Run 7: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 36.63 Mbit/s)   Flow 1 egress (mean 36.62 Mbit/s)

Flow 1 (95th percentile 110.54 ms)

```
Run 8: Statistics of QUIC Cubic

Start at: 2017-08-11 08:52:19
End at: 2017-08-11 08:52:49

# Below is generated by plot.py at 2017-08-11 10:24:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 112.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 40.85 Mbit/s
95th percentile per-packet one-way delay: 112.357 ms
Loss rate: 0.00%
```
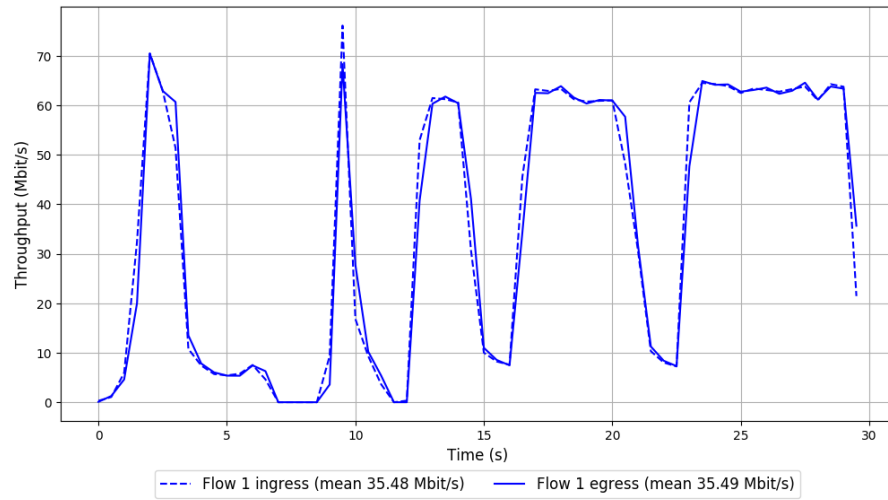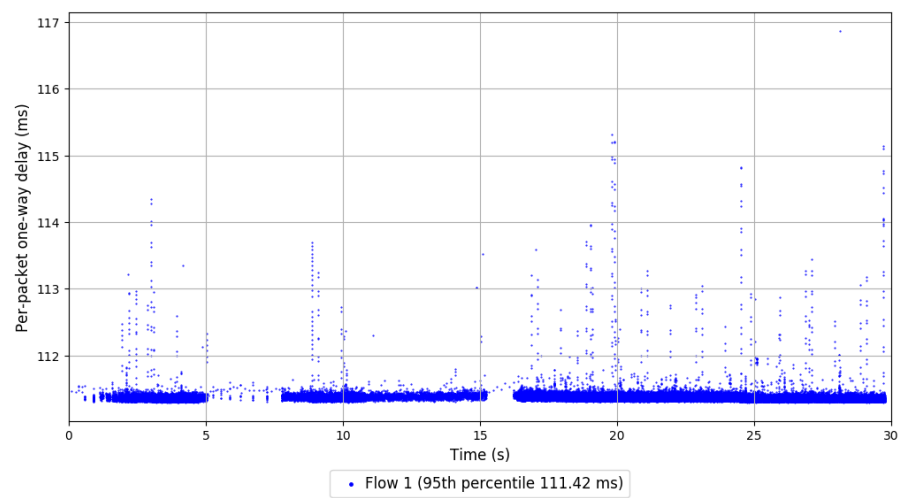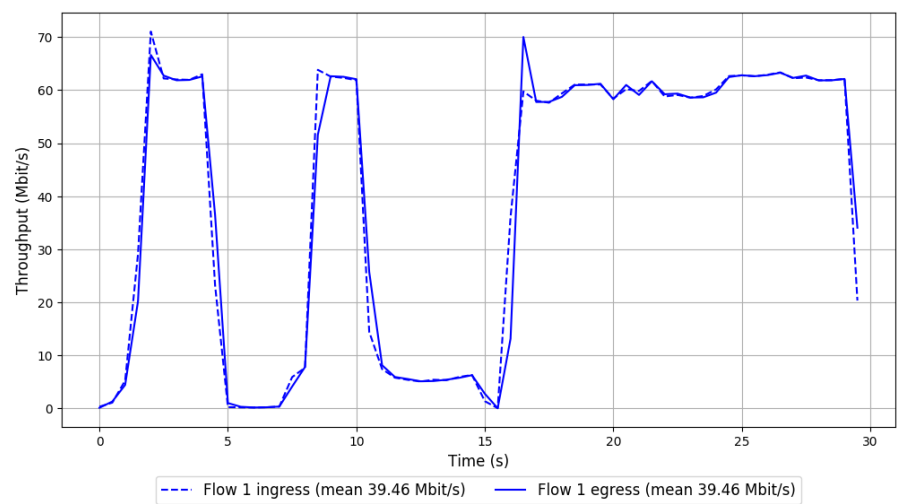
Run 8: Report of QUIC Cubic — Data Link

Flow 1 ingress (mean 40.84 Mbit/s) — Flow 1 egress (mean 40.85 Mbit/s)

• Flow 1 (95th percentile 112.36 ms)

```
Run 9: Statistics of QUIC Cubic

Start at: 2017-08-11 09:03:59
End at: 2017-08-11 09:04:29

# Below is generated by plot.py at 2017-08-11 10:24:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 110.123 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 35.49 Mbit/s
95th percentile per-packet one-way delay: 110.123 ms
Loss rate: 0.00%
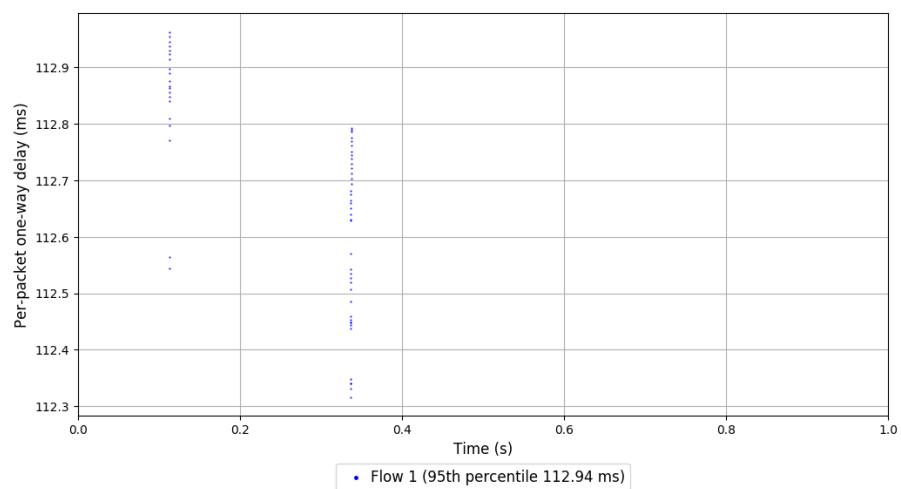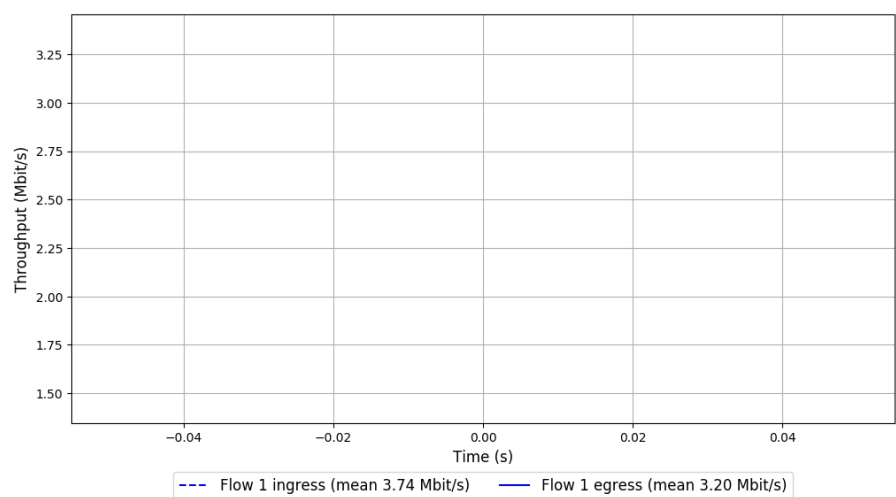```

# Run 9: Report of QUIC Cubic — Data Link



Flow 1 ingress (mean 35.48 Mbit/s)    Flow 1 egress (mean 35.49 Mbit/s)



Flow 1 (95th percentile 110.12 ms)

```
Run 10: Statistics of QUIC Cubic

Start at: 2017-08-11 09:15:00
End at: 2017-08-11 09:15:30

Below is generated by plot.py at 2017-08-11 10:24:22
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 111.422 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 39.46 Mbit/s
95th percentile per-packet one-way delay: 111.422 ms
Loss rate: 0.00%
```
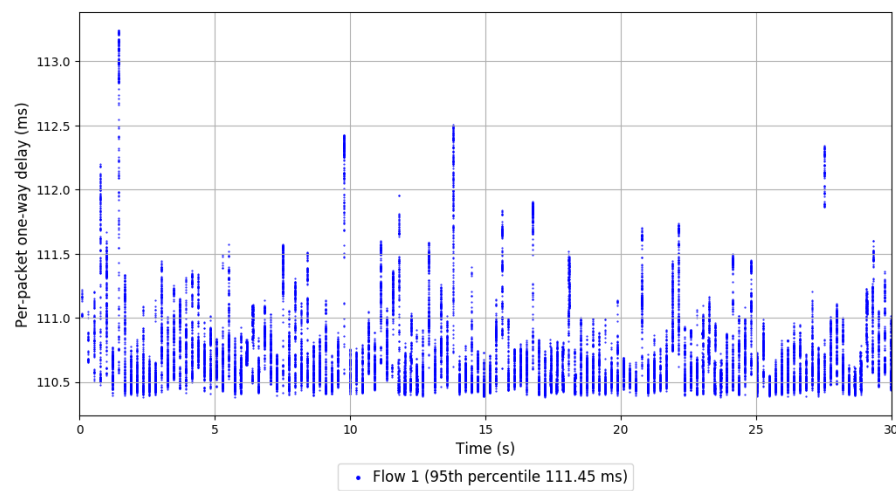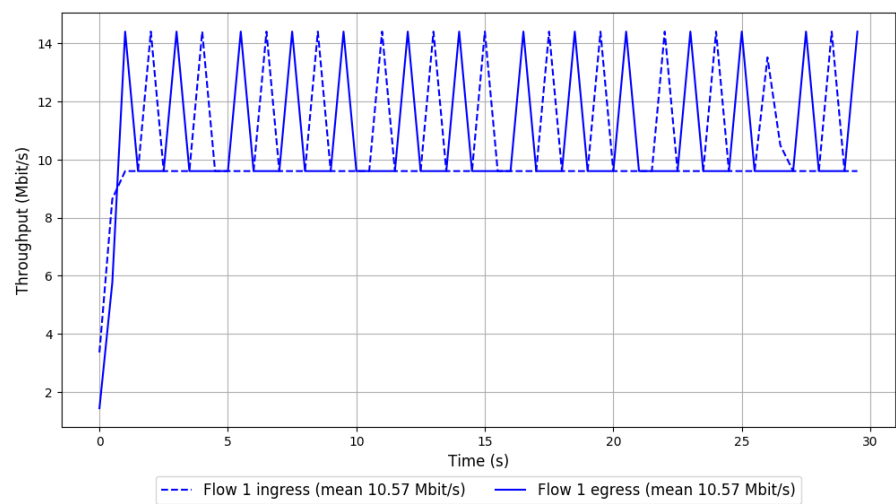
Run 10: Report of QUIC Cubic — Data Link



Flow 1 ingress (mean 39.46 Mbit/s)    Flow 1 egress (mean 39.46 Mbit/s)



• Flow 1 (95th percentile 111.42 ms)

```
Run 1: Statistics of Saturator

Start at: 2017-08-11 07:26:52
End at: 2017-08-11 07:27:22
```

Run 1: Report of Saturator — Data Link

```
Run 2: Statistics of Saturator

Start at: 2017-08-11 07:38:06
End at: 2017-08-11 07:38:36

# Below is generated by plot.py at 2017-08-11 10:24:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.57 Mbit/s
95th percentile per-packet one-way delay: 111.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.57 Mbit/s
95th percentile per-packet one-way delay: 111.453 ms
Loss rate: 0.00%
```
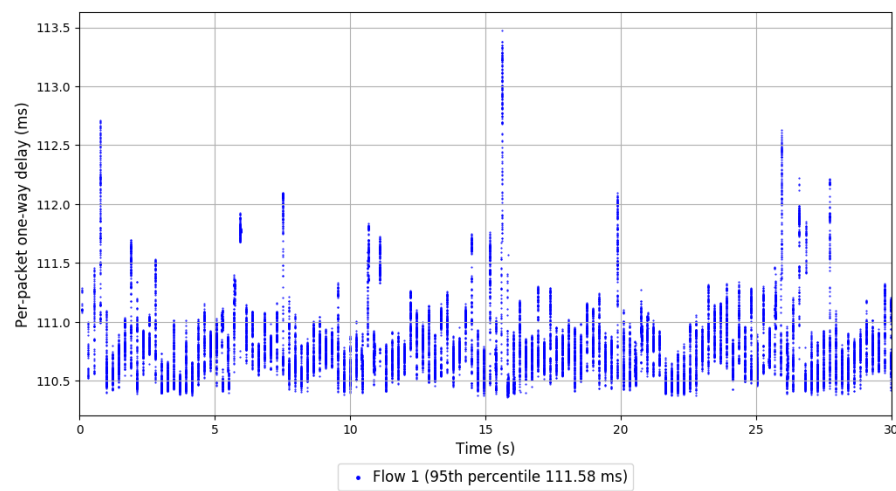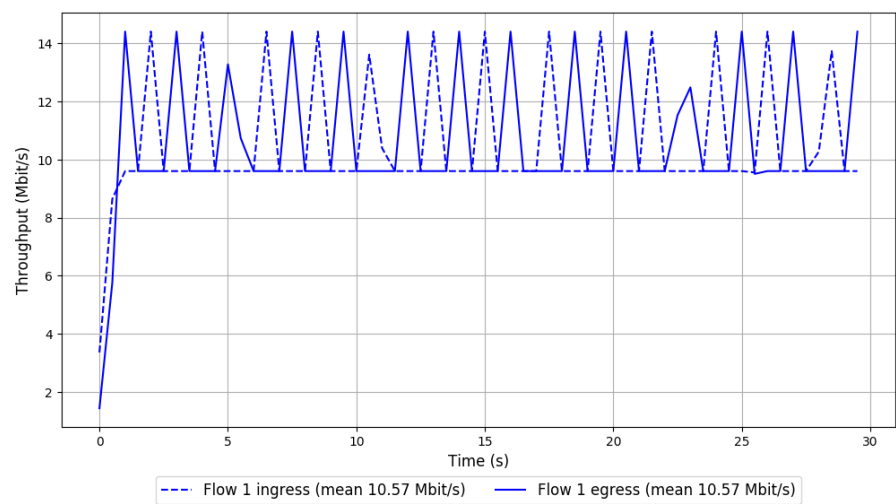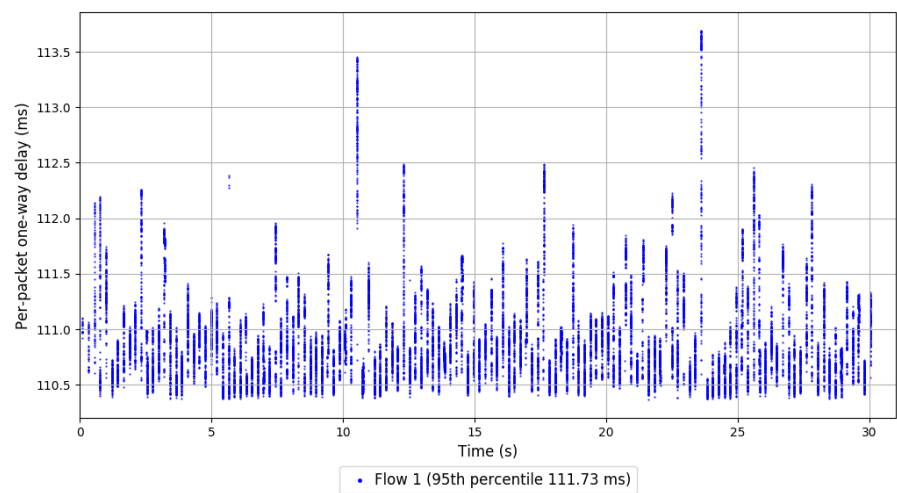
Run 2: Report of Saturator — Data Link

Flow 1 ingress (mean 10.57 Mbit/s)   Flow 1 egress (mean 10.57 Mbit/s)

Flow 1 (95th percentile 111.45 ms)

```
Run 3: Statistics of Saturator

Start at: 2017-08-11 07:49:51
End at: 2017-08-11 07:50:21

# Below is generated by plot.py at 2017-08-11 10:24:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.57 Mbit/s
95th percentile per-packet one-way delay: 111.582 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.57 Mbit/s
95th percentile per-packet one-way delay: 111.582 ms
Loss rate: 0.01%
```
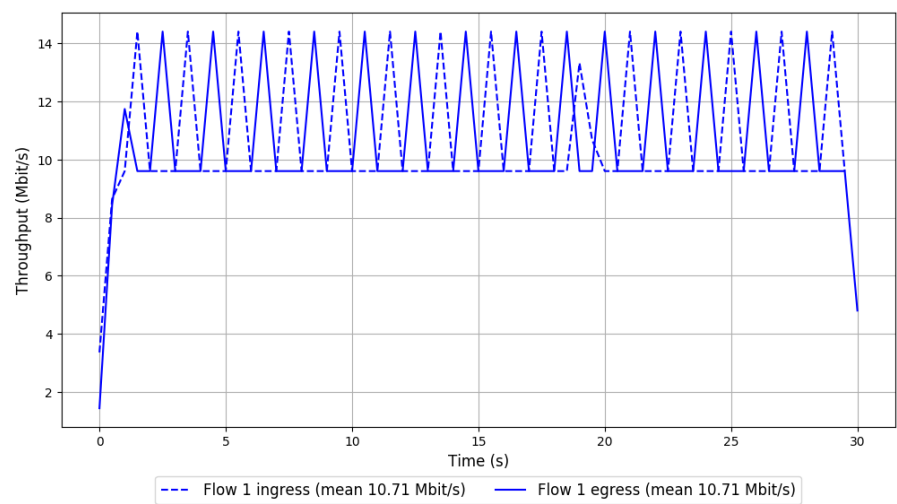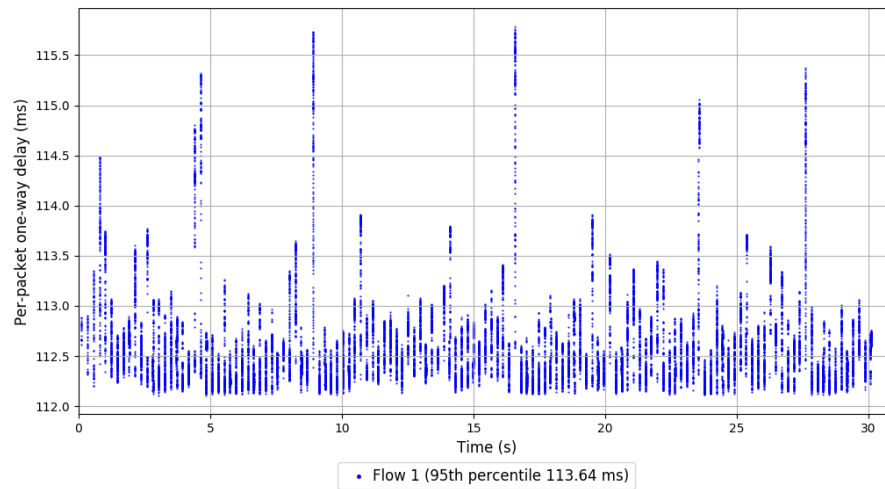
Run 3: Report of Saturator — Data Link

Flow 1 ingress (mean 10.57 Mbit/s) ----- Flow 1 egress (mean 10.57 Mbit/s)

Flow 1 (95th percentile 111.58 ms)

```
Run 4: Statistics of Saturator

Start at: 2017-08-11 08:01:18
End at: 2017-08-11 08:01:48

# Below is generated by plot.py at 2017-08-11 10:24:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 111.735 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.71 Mbit/s
95th percentile per-packet one-way delay: 111.735 ms
Loss rate: 0.00%
```
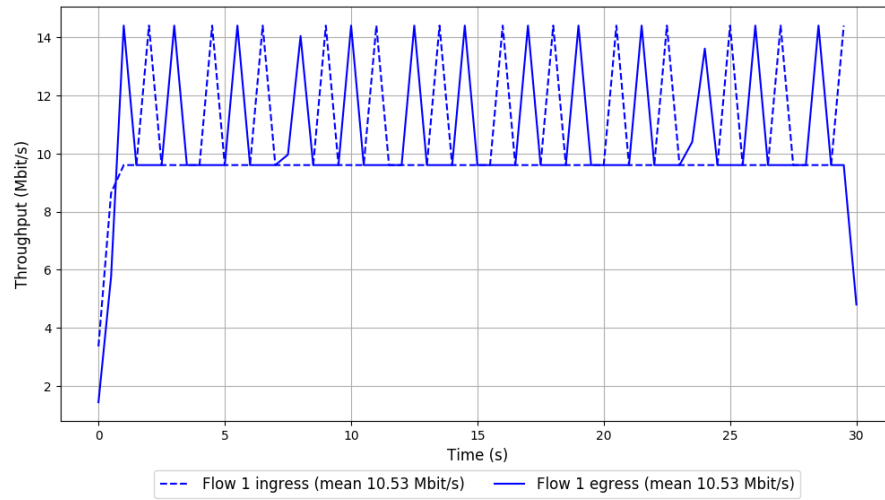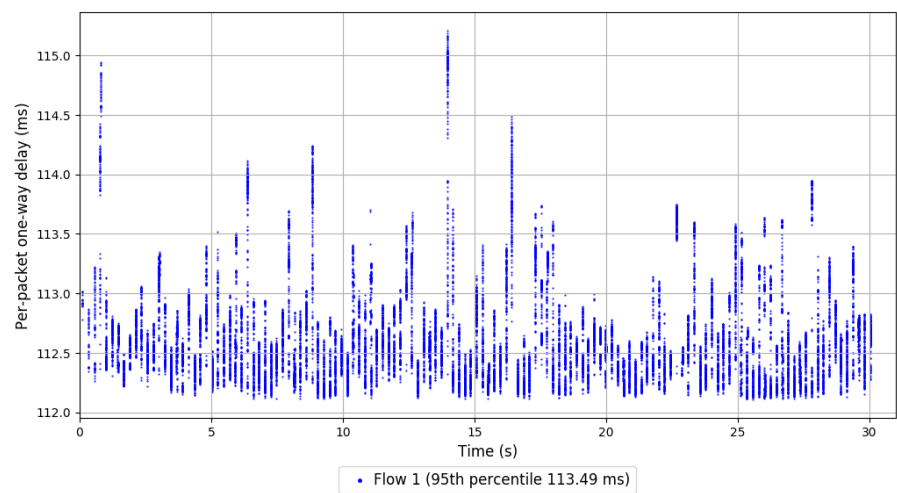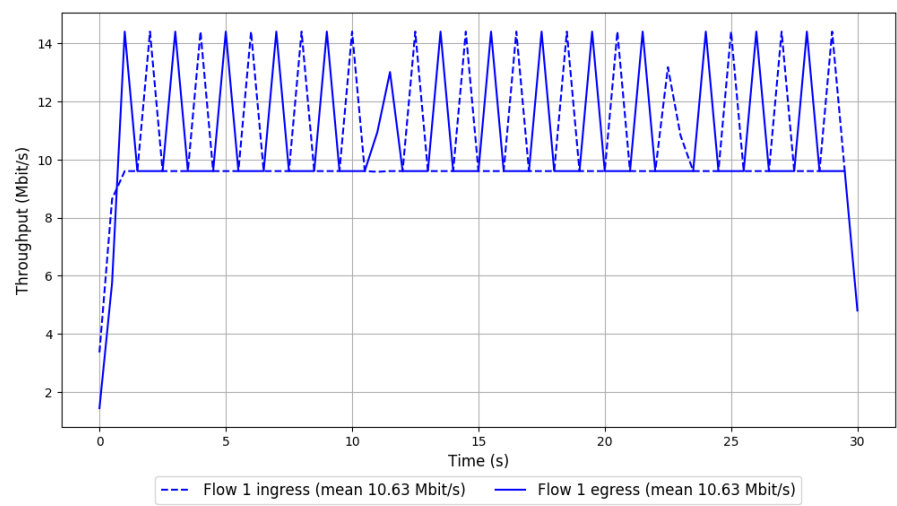
Run 4: Report of Saturator — Data Link

Flow 1 ingress (mean 10.71 Mbit/s) --- Flow 1 egress (mean 10.71 Mbit/s)

Flow 1 (95th percentile 111.73 ms)

```
Run 5: Statistics of Saturator

Start at: 2017-08-11 08:12:17
End at: 2017-08-11 08:12:47

# Below is generated by plot.py at 2017-08-11 10:24:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: 113.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.53 Mbit/s
95th percentile per-packet one-way delay: 113.641 ms
Loss rate: 0.00%
```
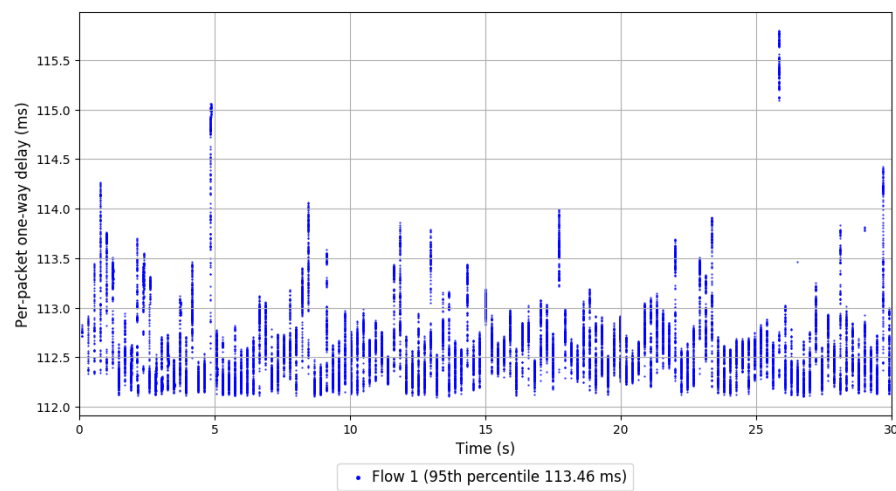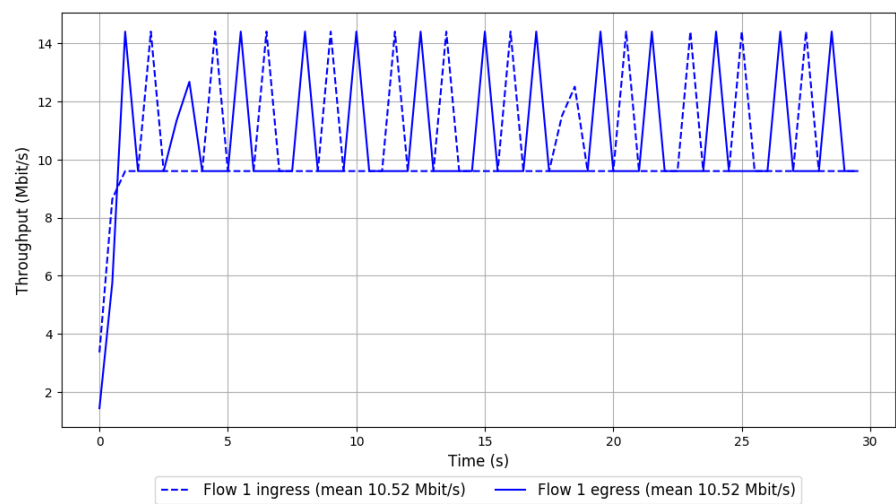
Run 5: Report of Saturator — Data Link

```
Run 6: Statistics of Saturator

Start at: 2017-08-11 08:23:23
End at: 2017-08-11 08:23:53

# Below is generated by plot.py at 2017-08-11 10:24:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.63 Mbit/s
95th percentile per-packet one-way delay: 113.494 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.63 Mbit/s
95th percentile per-packet one-way delay: 113.494 ms
Loss rate: 0.00%
```
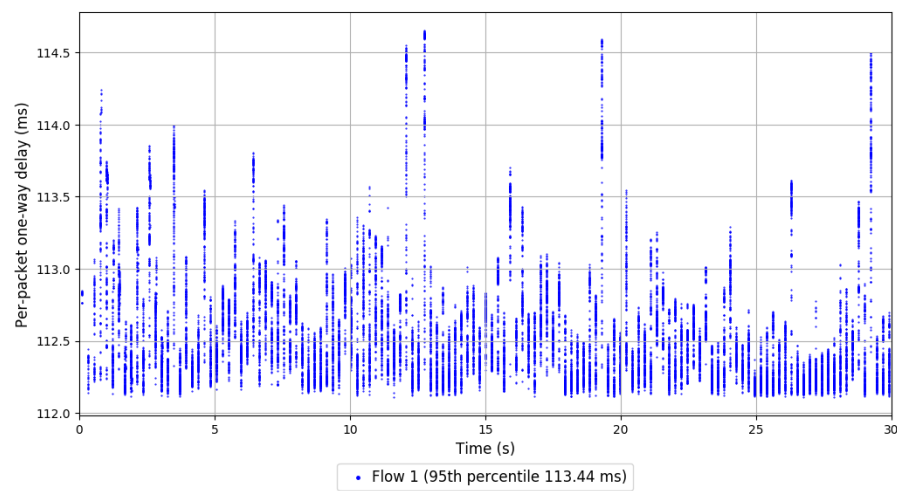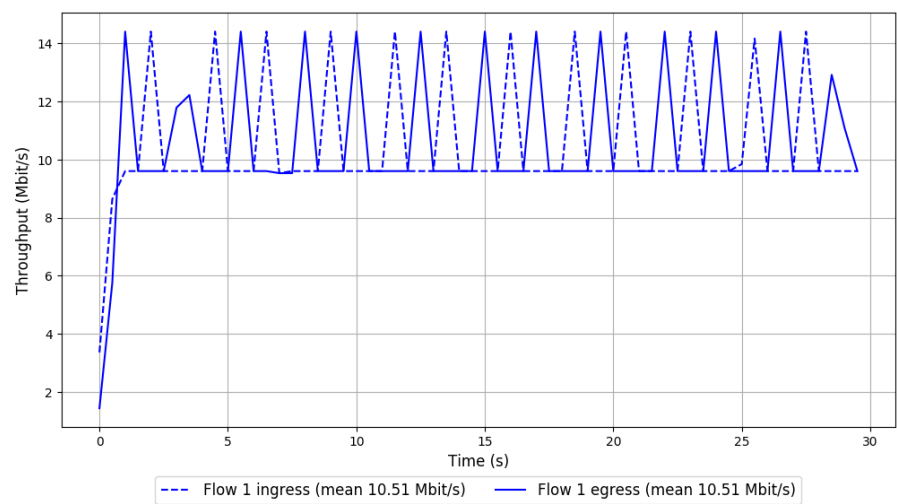
Run 6: Report of Saturator — Data Link

Flow 1 ingress (mean 10.63 Mbit/s)   Flow 1 egress (mean 10.63 Mbit/s)

Flow 1 (95th percentile 113.49 ms)

```
Run 7: Statistics of Saturator

Start at: 2017-08-11 08:34:21
End at: 2017-08-11 08:34:51

# Below is generated by plot.py at 2017-08-11 10:24:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 113.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.52 Mbit/s
95th percentile per-packet one-way delay: 113.463 ms
Loss rate: 0.00%
```
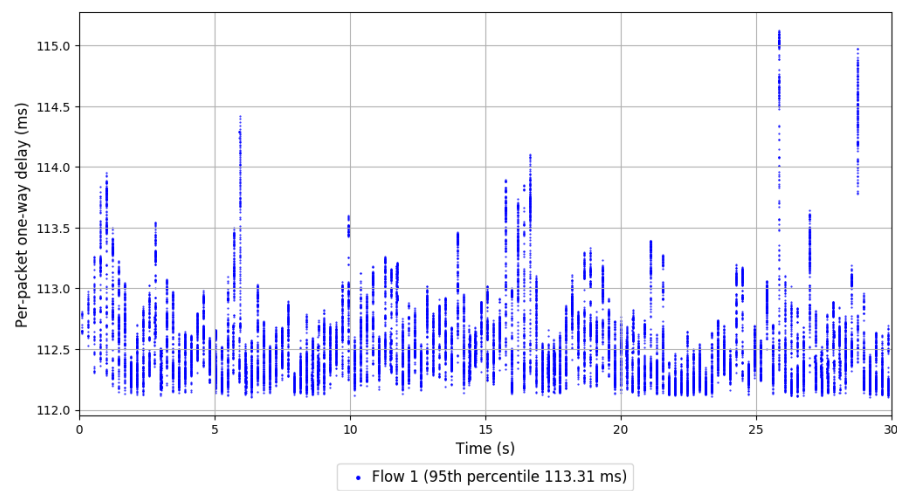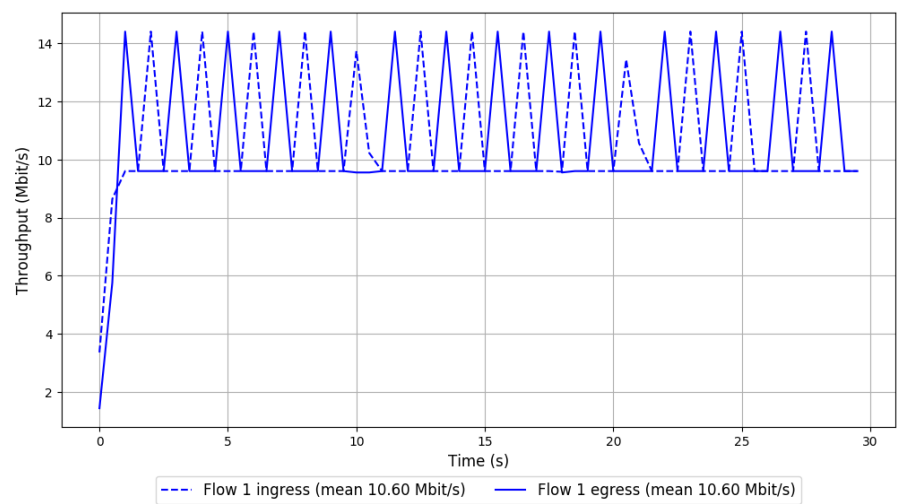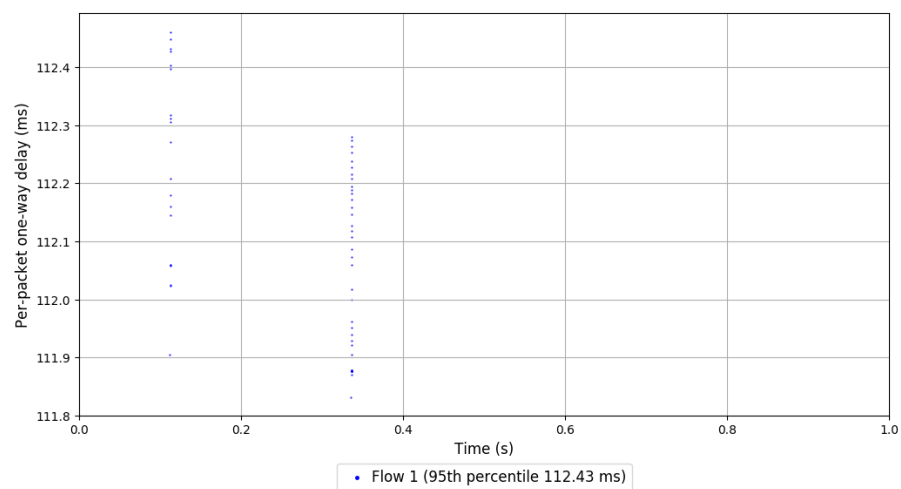
Run 7: Report of Saturator — Data Link

Flow 1 ingress (mean 10.52 Mbit/s) --- Flow 1 egress (mean 10.52 Mbit/s)

• Flow 1 (95th percentile 113.46 ms)

```
Run 8: Statistics of Saturator

Start at: 2017-08-11 08:45:37
End at: 2017-08-11 08:46:07


# Below is generated by plot.py at 2017-08-11 10:24:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 113.439 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 113.439 ms
Loss rate: 0.01%
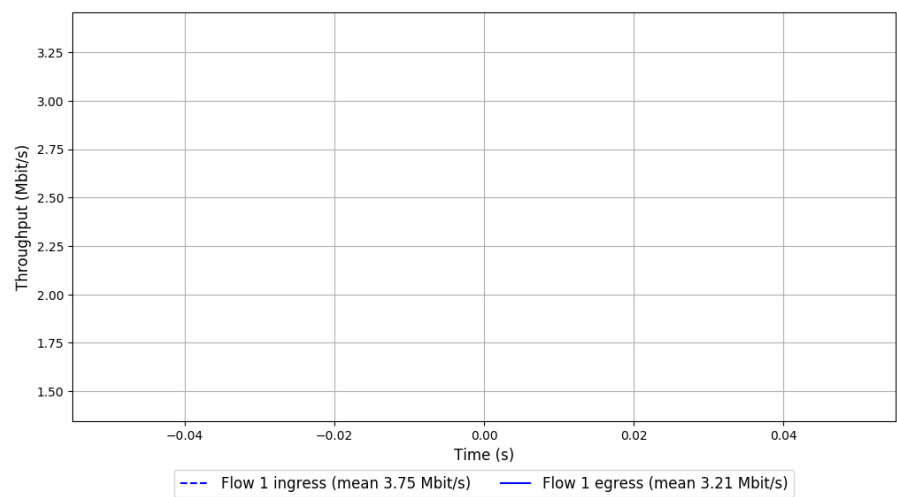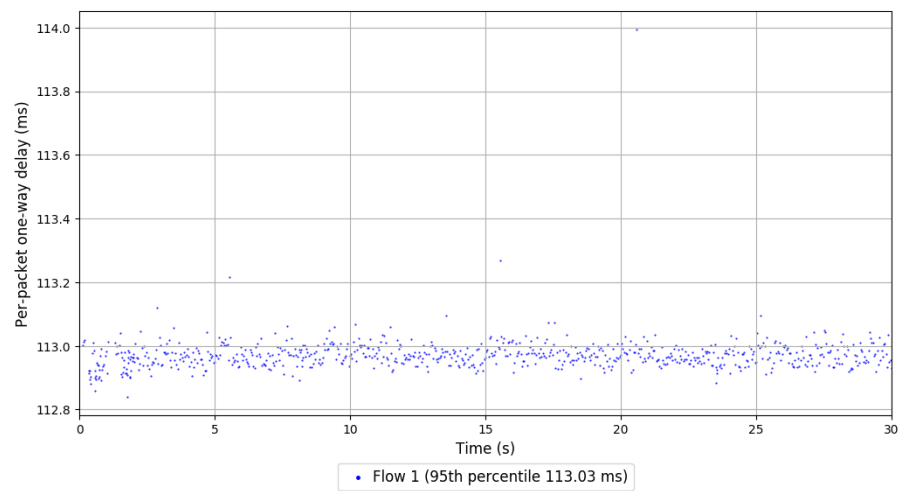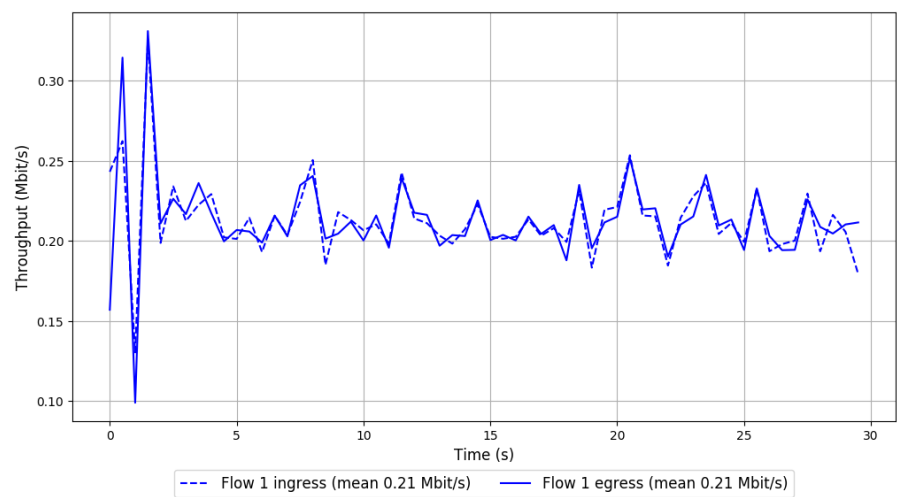```

## Run 8: Report of Saturator — Data Link

```
Run 9: Statistics of Saturator

Start at: 2017-08-11 08:56:40
End at: 2017-08-11 08:57:10

# Below is generated by plot.py at 2017-08-11 10:24:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.60 Mbit/s
95th percentile per-packet one-way delay: 113.312 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 10.60 Mbit/s
95th percentile per-packet one-way delay: 113.312 ms
Loss rate: 0.01%
```

Run 9: Report of Saturator — Data Link

Run 10: Statistics of Saturator

Start at: 2017-08-11 09:08:27
End at: 2017-08-11 09:08:57

Run 10: Report of Saturator — Data Link

```
Run 1: Statistics of SCReAM

Start at: 2017-08-11 07:26:12
End at: 2017-08-11 07:26:42

# Below is generated by plot.py at 2017-08-11 10:24:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.026 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.026 ms
Loss rate: 0.13%
```
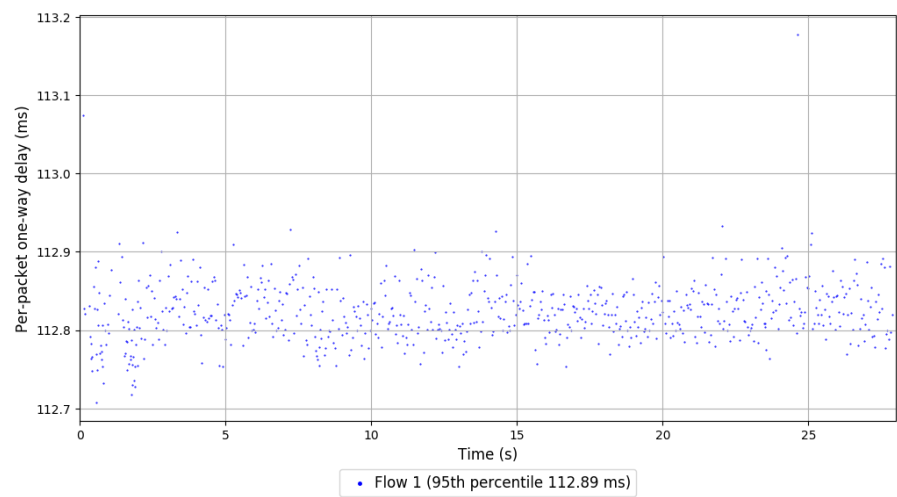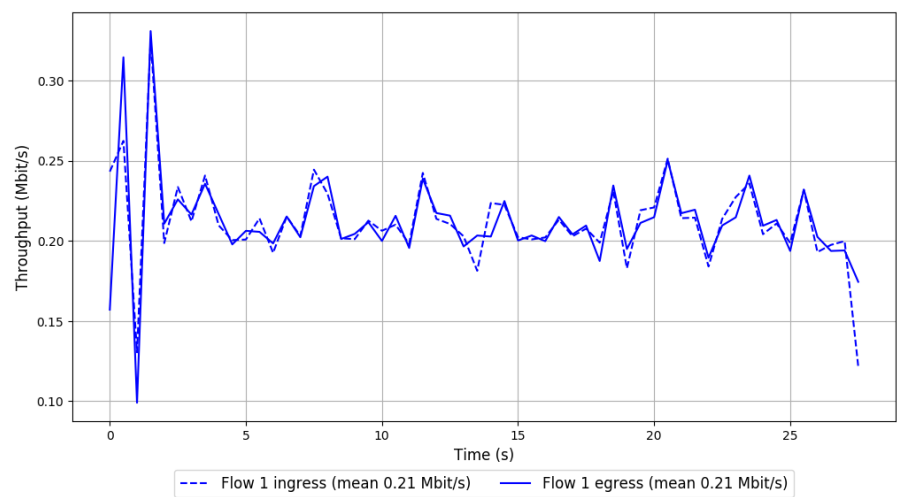
Run 1: Report of SCReAM — Data Link

```
Run 2: Statistics of SCReAM

Start at: 2017-08-11 07:37:25
End at: 2017-08-11 07:37:55

# Below is generated by plot.py at 2017-08-11 10:24:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.888 ms
Loss rate: 0.00%
```
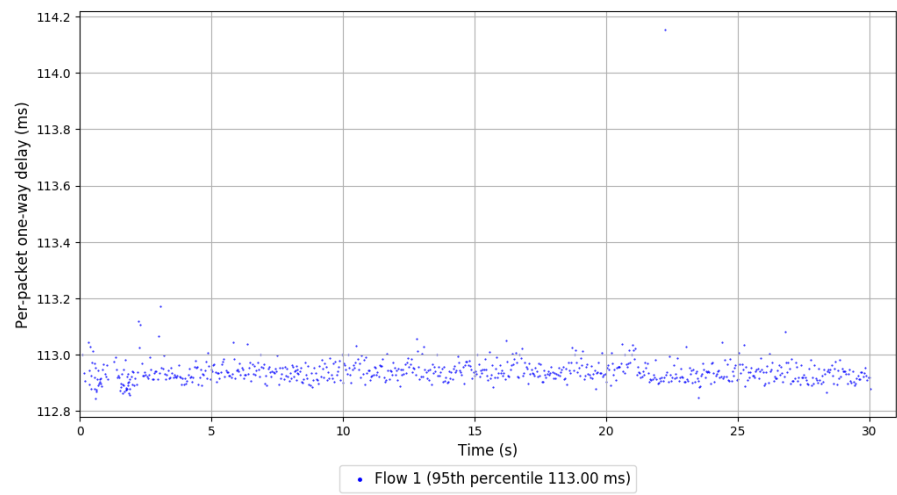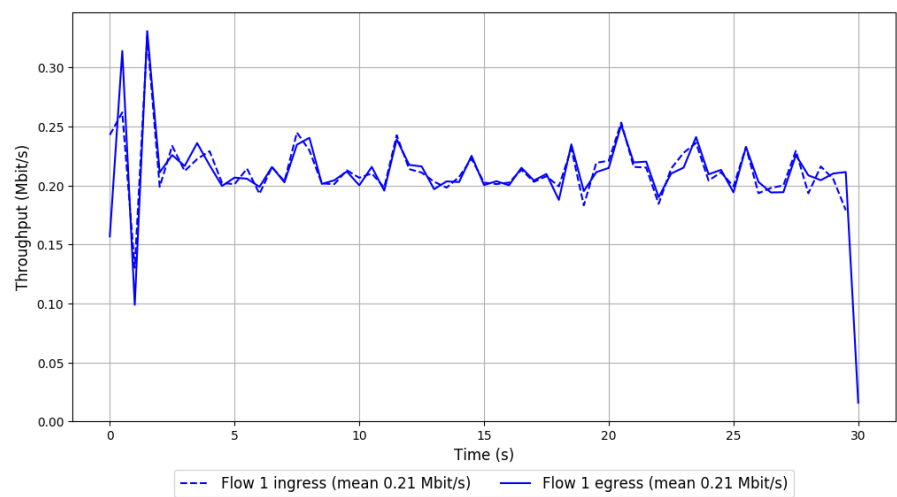
Run 2: Report of SCReAM — Data Link

```
Run 3: Statistics of SCReAM

Start at: 2017-08-11 07:49:10
End at: 2017-08-11 07:49:40

# Below is generated by plot.py at 2017-08-11 10:24:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.003 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 113.003 ms
Loss rate: 0.00%
```
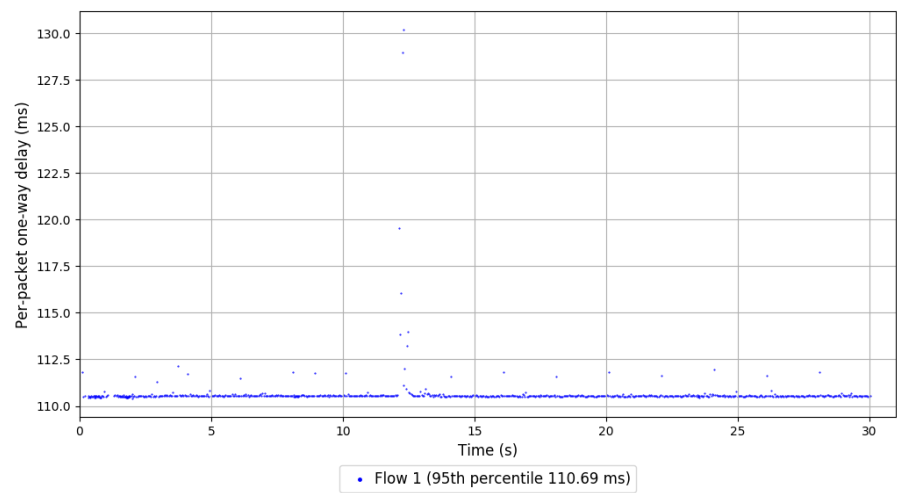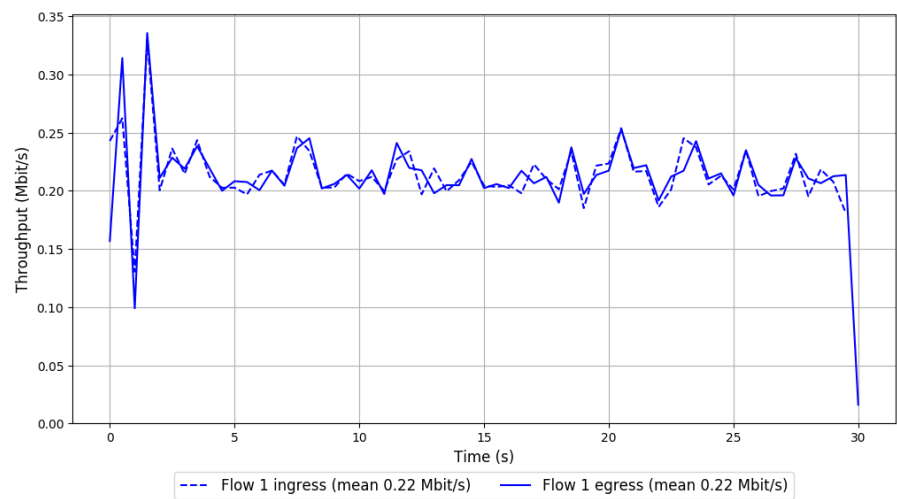
Run 3: Report of SCReAM — Data Link

```
Run 4: Statistics of SCReAM

Start at: 2017-08-11 08:00:38
End at: 2017-08-11 08:01:08

# Below is generated by plot.py at 2017-08-11 10:24:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.689 ms
Loss rate: 0.00%
```
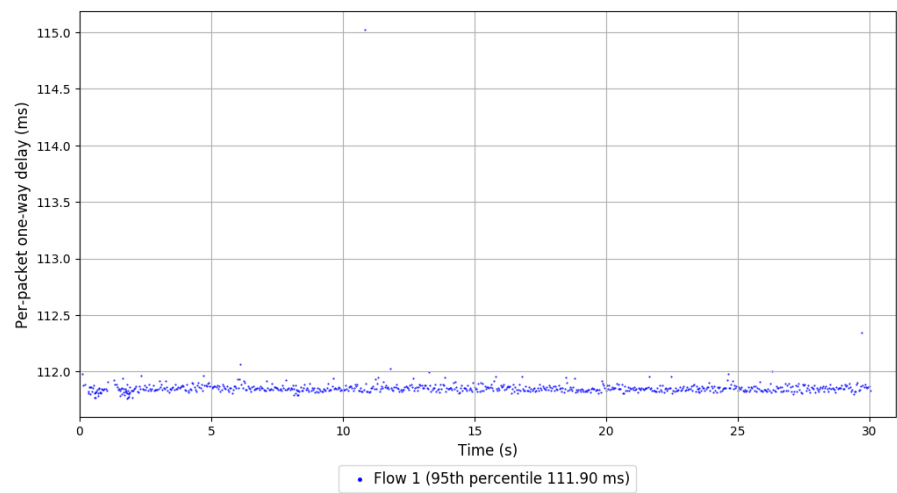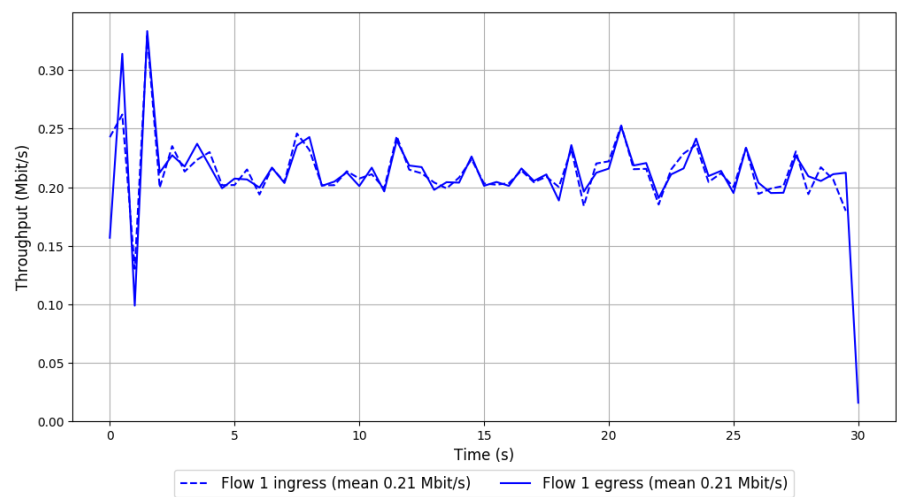
Run 4: Report of SCReAM — Data Link

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

• Flow 1 (95th percentile 110.69 ms)

```
Run 5: Statistics of SCReAM

Start at: 2017-08-11 08:11:37
End at: 2017-08-11 08:12:07

# Below is generated by plot.py at 2017-08-11 10:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.903 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 111.903 ms
Loss rate: 0.00%
```
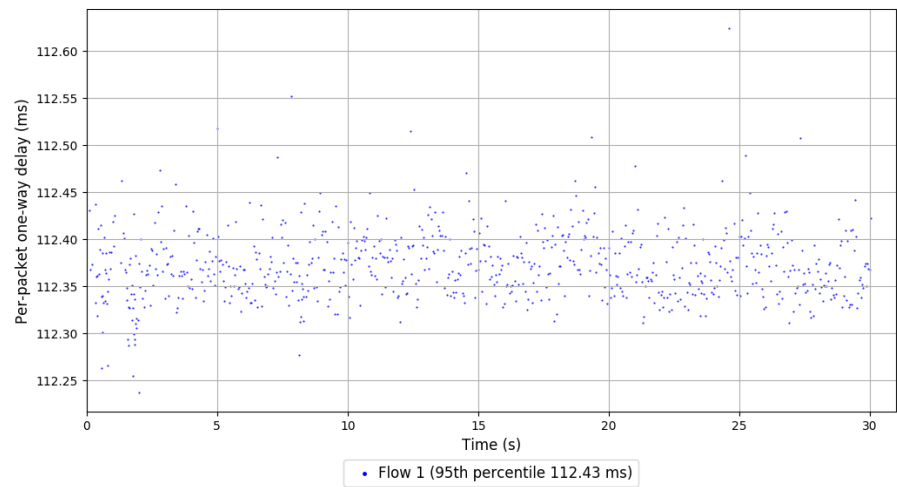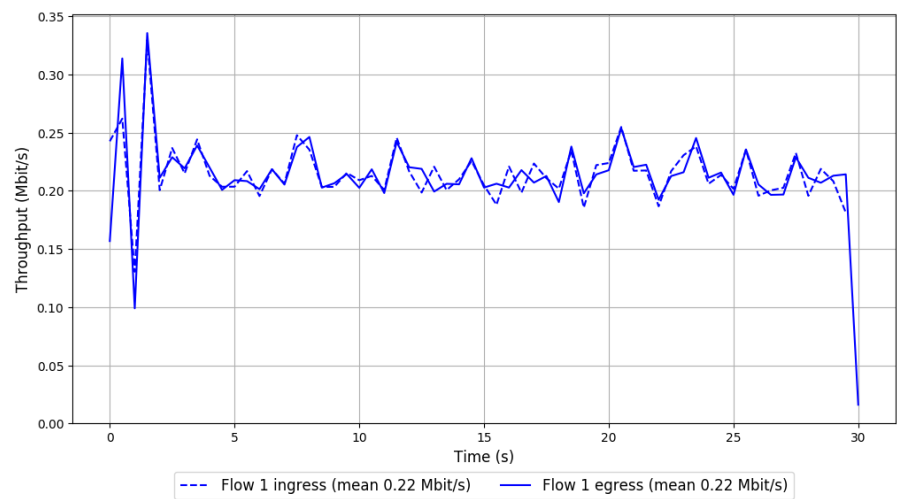
Run 5: Report of SCReAM — Data Link

```
Run 6: Statistics of SCReAM

Start at: 2017-08-11 08:22:42
End at: 2017-08-11 08:23:12

# Below is generated by plot.py at 2017-08-11 10:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.430 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.430 ms
Loss rate: 0.00%
```
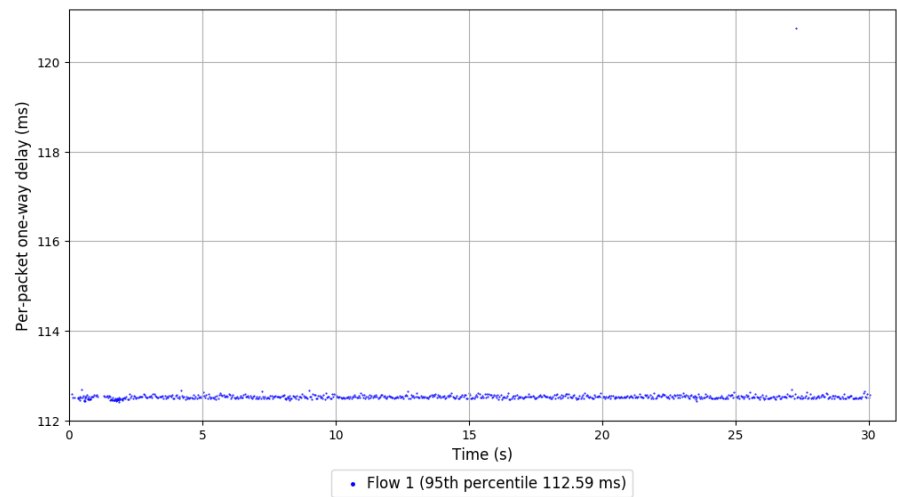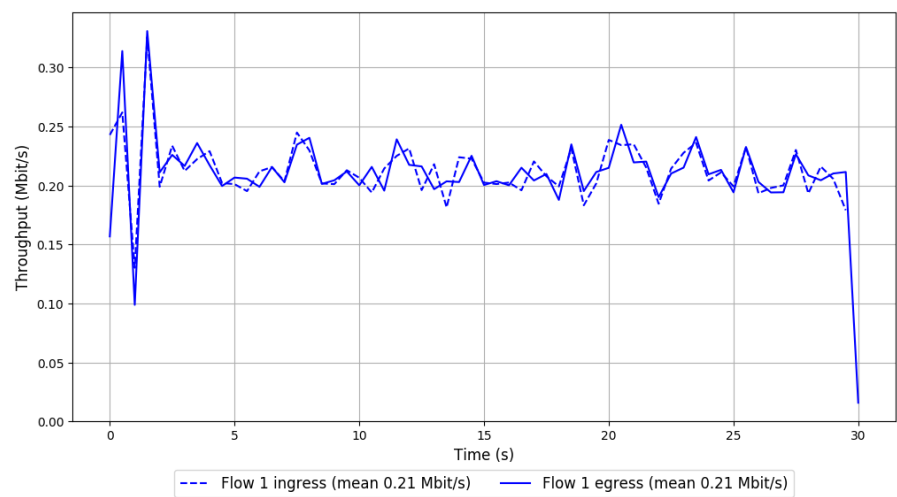
Run 6: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 112.43 ms)

195

```
Run 7: Statistics of SCReAM

Start at: 2017-08-11 08:33:40
End at: 2017-08-11 08:34:10

# Below is generated by plot.py at 2017-08-11 10:24:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 112.593 ms
Loss rate: 0.00%
```
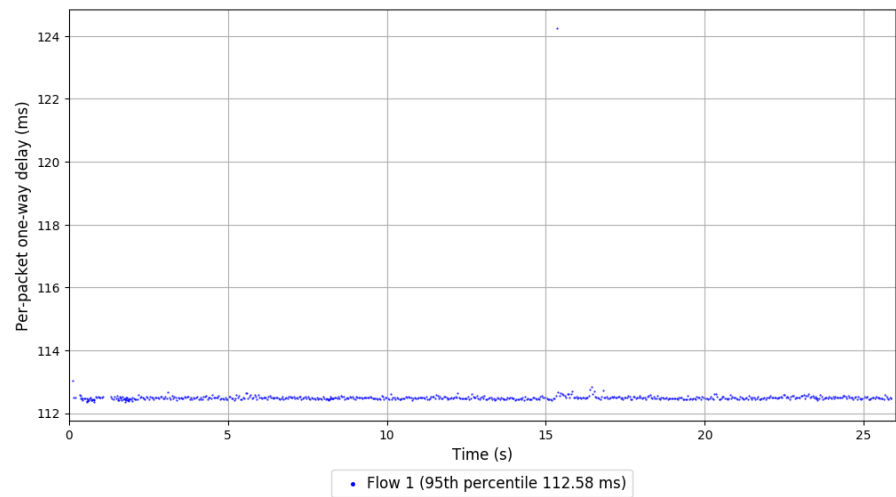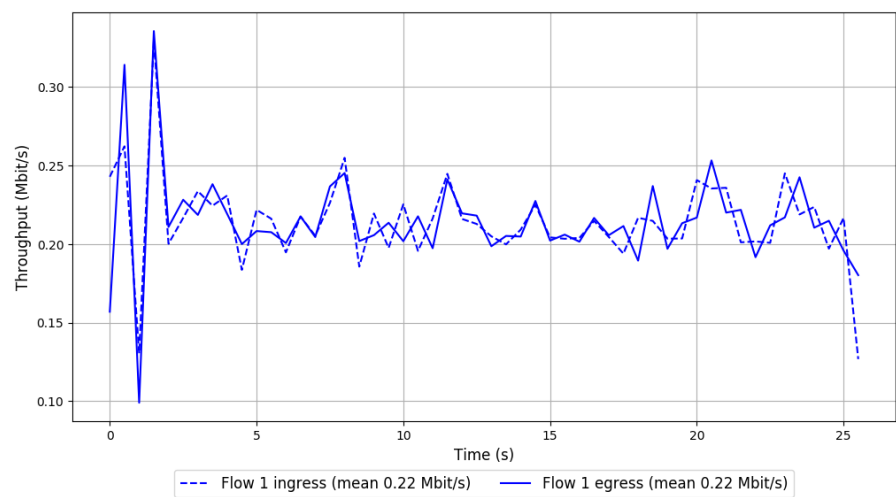
Run 7: Report of SCReAM — Data Link

```
Run 8: Statistics of SCReAM

Start at: 2017-08-11 08:44:56
End at: 2017-08-11 08:45:26

# Below is generated by plot.py at 2017-08-11 10:24:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.581 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 112.581 ms
Loss rate: 0.00%
```
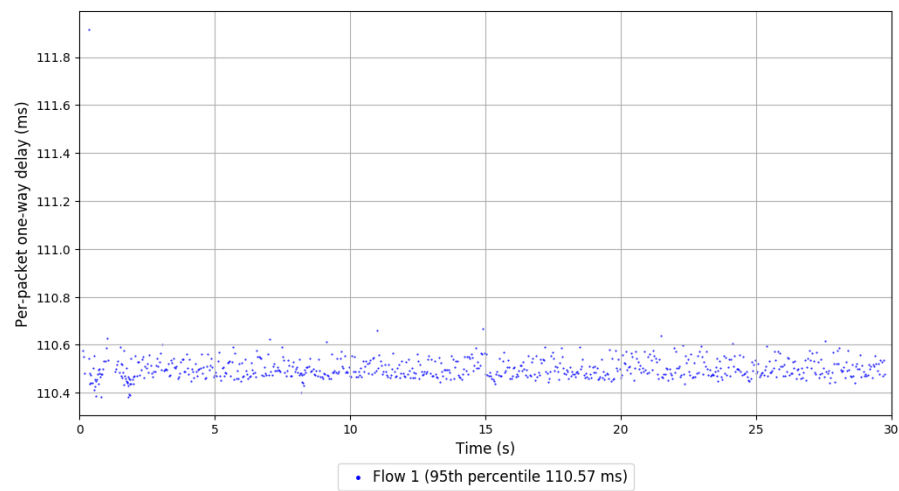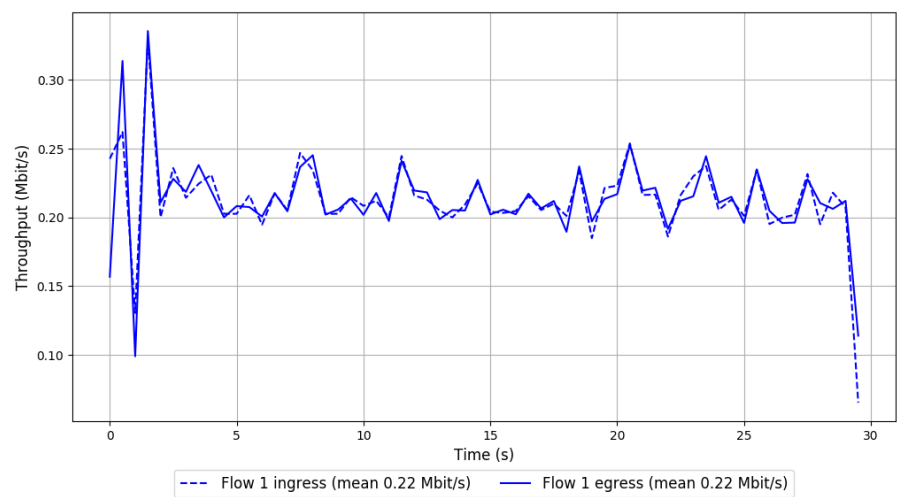
Run 8: Report of SCReAM — Data Link

```
Run 9: Statistics of SCReAM

Start at: 2017-08-11 08:55:59
End at: 2017-08-11 08:56:29

# Below is generated by plot.py at 2017-08-11 10:24:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.571 ms
Loss rate: 0.00%
```
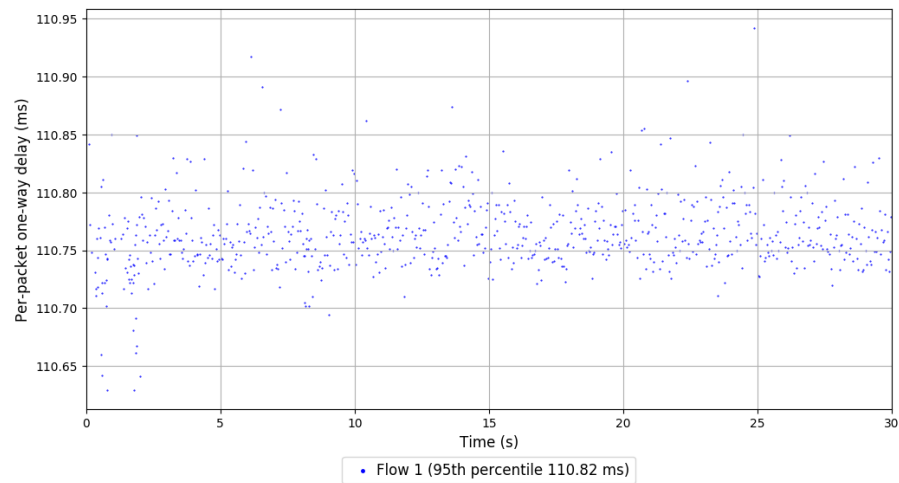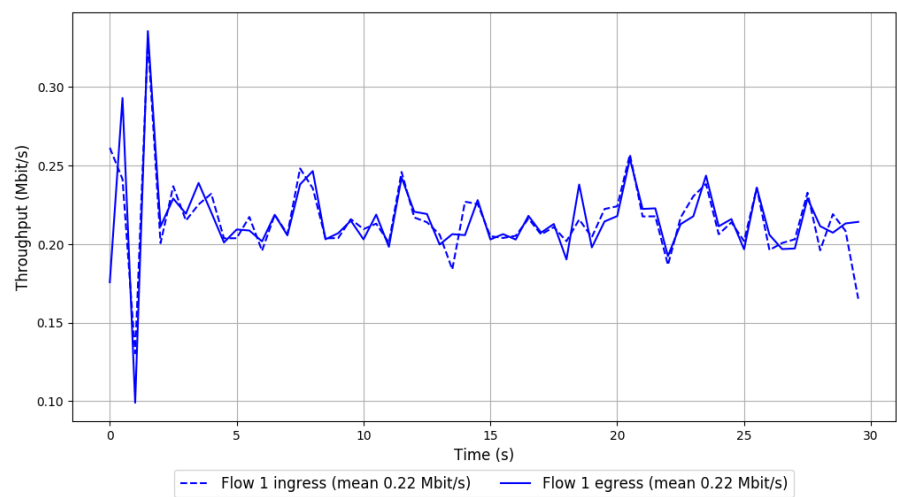
Run 9: Report of SCReAM — Data Link

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

Flow 1 (95th percentile 110.57 ms)

```
Run 10: Statistics of SCReAM

Start at: 2017-08-11 09:07:47
End at: 2017-08-11 09:08:17

# Below is generated by plot.py at 2017-08-11 10:24:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 110.819 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

```
Run 1: Statistics of Sprout

Start at: 2017-08-11 07:34:30
End at: 2017-08-11 07:35:00

# Below is generated by plot.py at 2017-08-11 10:24:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 111.781 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 111.781 ms
Loss rate: 2.02%
```
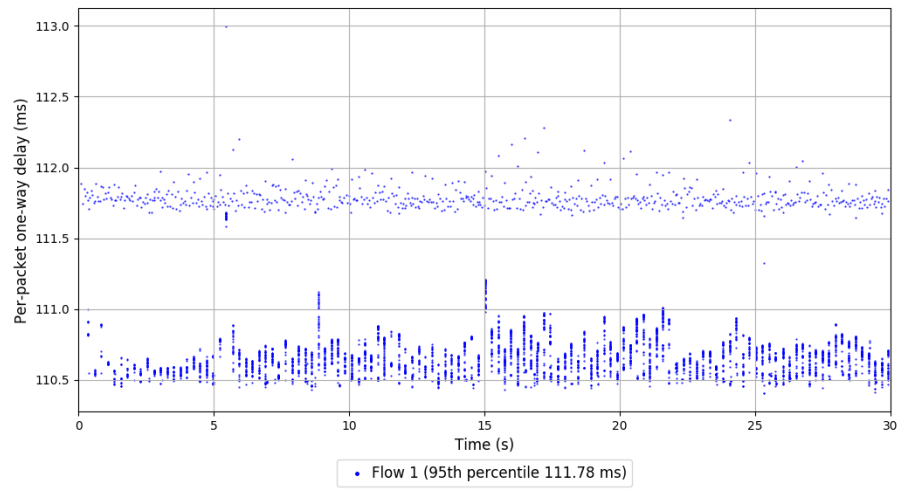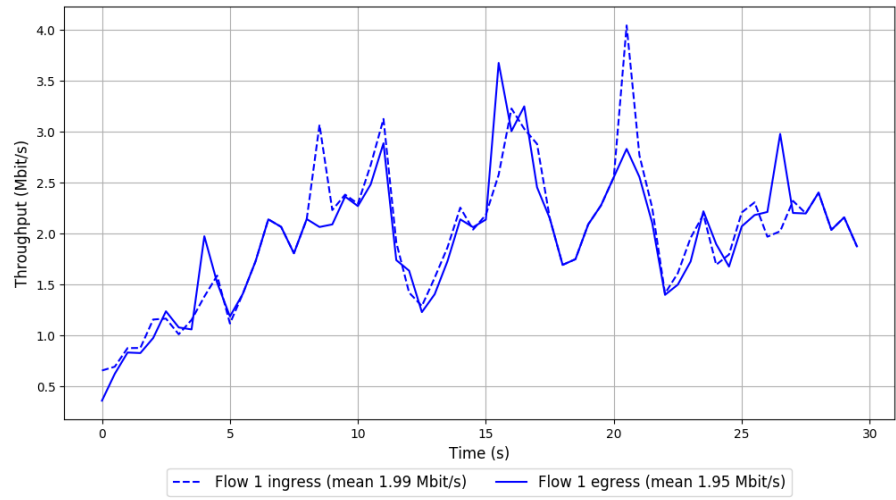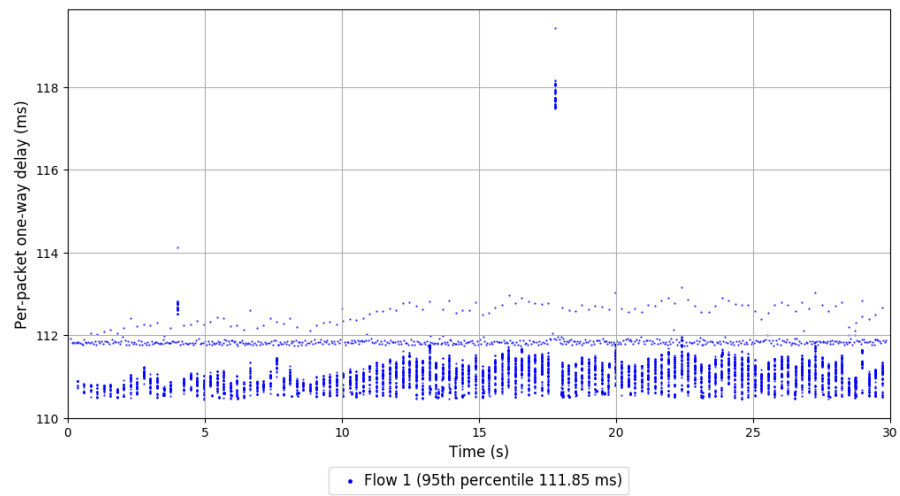
Run 1: Report of Sprout — Data Link

Flow 1 ingress (mean 1.99 Mbit/s) — — — — Flow 1 egress (mean 1.95 Mbit/s)

Flow 1 (95th percentile 111.78 ms)

```
Run 2: Statistics of Sprout

Start at: 2017-08-11 07:46:06
End at: 2017-08-11 07:46:36

# Below is generated by plot.py at 2017-08-11 10:24:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 111.853 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.09 Mbit/s
95th percentile per-packet one-way delay: 111.853 ms
Loss rate: 0.00%
```
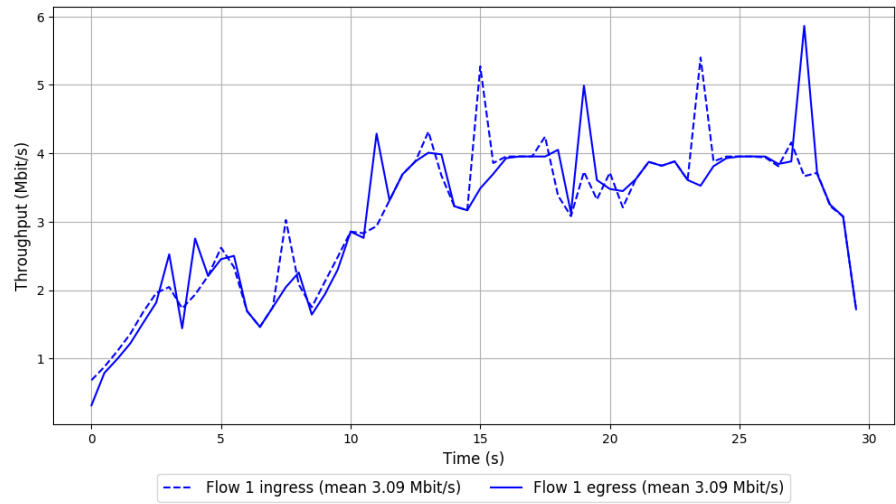
Run 2: Report of Sprout — Data Link

```
Run 3: Statistics of Sprout

Start at: 2017-08-11 07:57:42
End at: 2017-08-11 07:58:12

# Below is generated by plot.py at 2017-08-11 10:24:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 110.738 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 110.738 ms
Loss rate: 3.55%
```
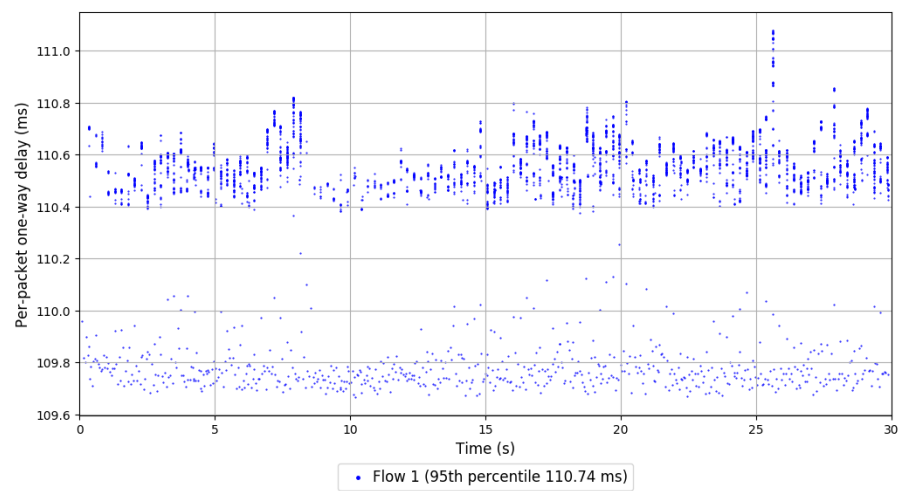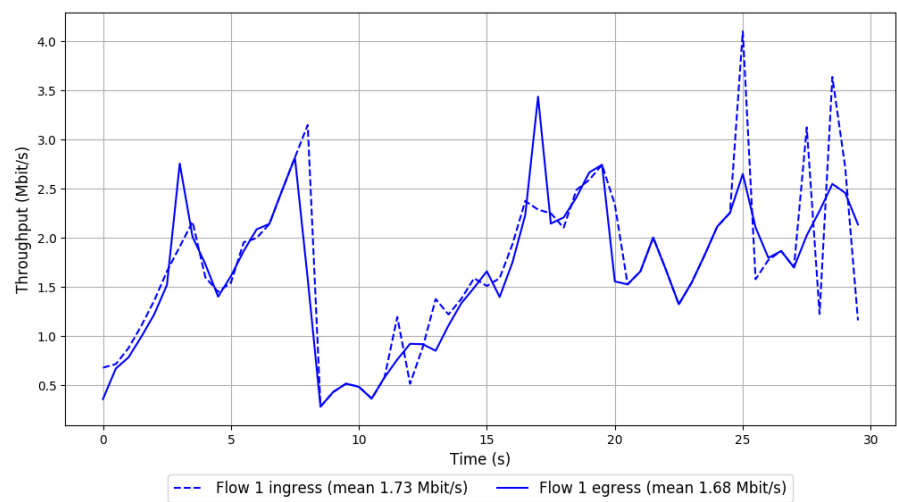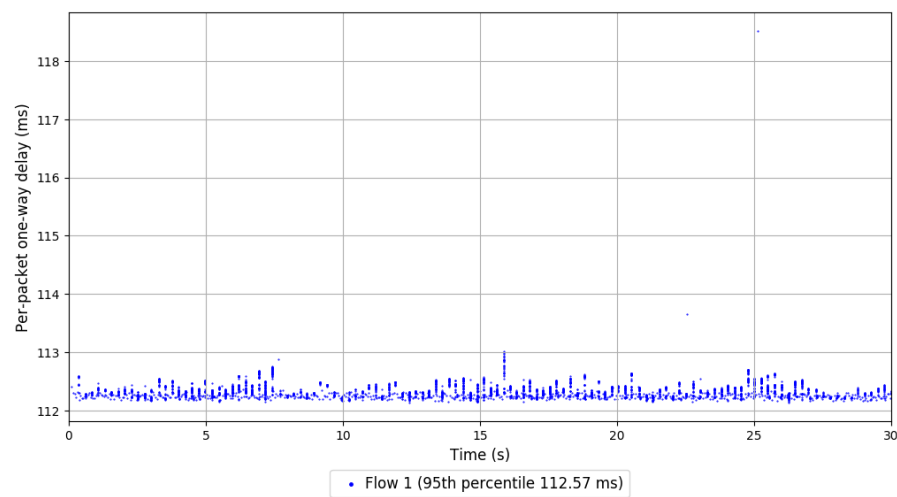
Run 3: Report of Sprout — Data Link

Flow 1 ingress (mean 1.73 Mbit/s)   Flow 1 egress (mean 1.68 Mbit/s)

Flow 1 (95th percentile 110.74 ms)

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```
Run 4: Statistics of Sprout

Start at: 2017-08-11 08:08:43
End at: 2017-08-11 08:09:13


# Below is generated by plot.py at 2017-08-11 10:24:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 112.571 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 112.571 ms
Loss rate: 3.00%
```
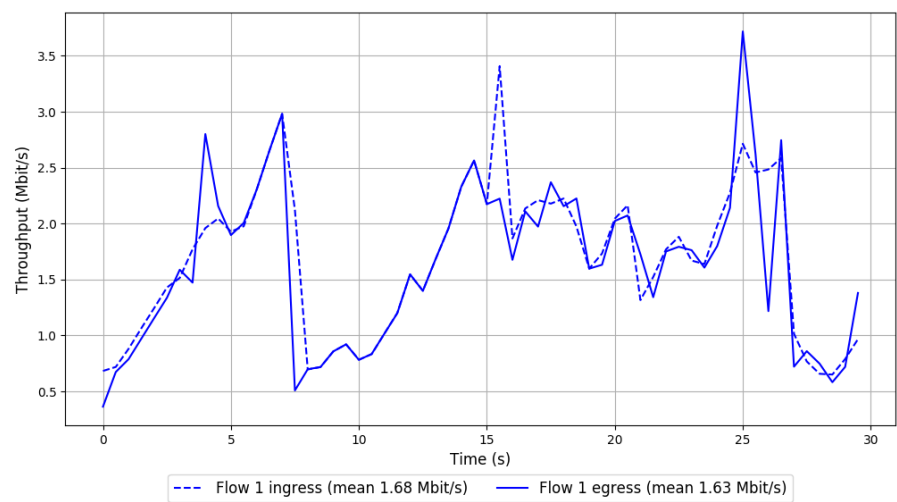
Run 4: Report of Sprout — Data Link

Flow 1 ingress (mean 1.68 Mbit/s)   Flow 1 egress (mean 1.63 Mbit/s)

Flow 1 (95th percentile 112.57 ms)

```
Run 5: Statistics of Sprout

Start at: 2017-08-11 08:19:46
End at: 2017-08-11 08:20:16

# Below is generated by plot.py at 2017-08-11 10:24:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 113.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.98 Mbit/s
95th percentile per-packet one-way delay: 113.205 ms
Loss rate: 0.00%
```
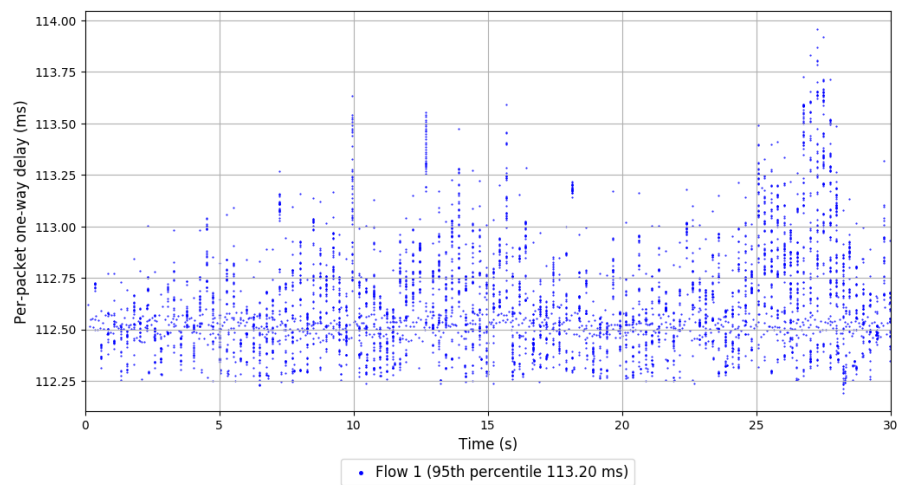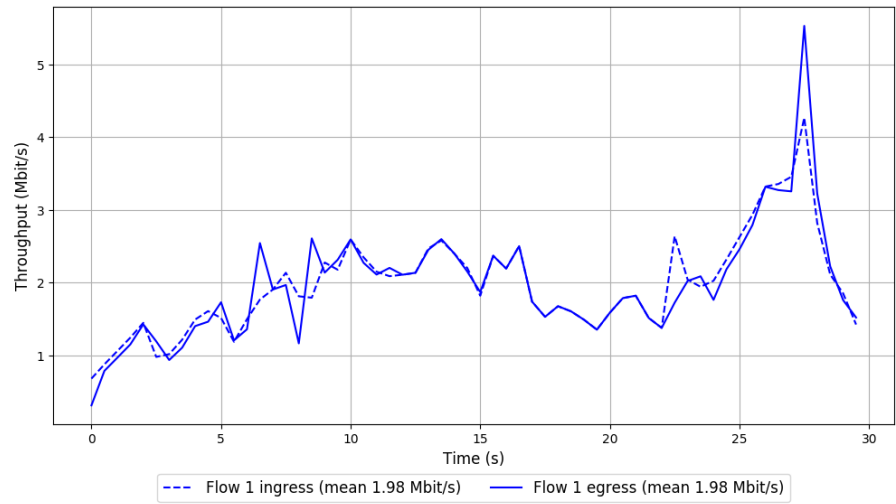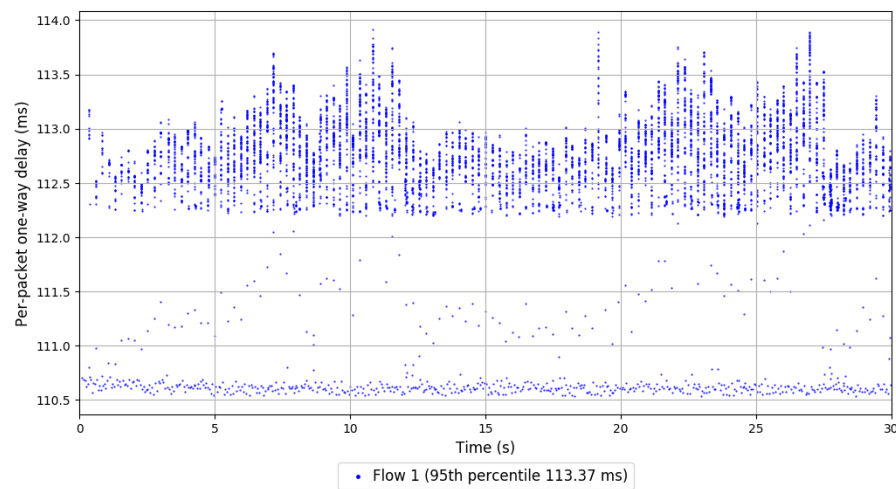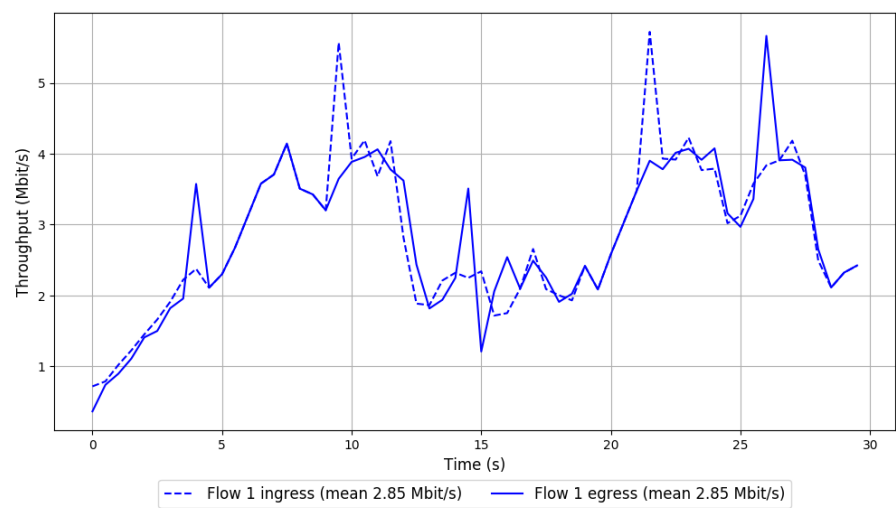
Run 5: Report of Sprout — Data Link

```
Run 6: Statistics of Sprout

Start at: 2017-08-11 08:30:46
End at: 2017-08-11 08:31:16

# Below is generated by plot.py at 2017-08-11 10:24:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 113.367 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 113.367 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

```
Run 7: Statistics of Sprout

Start at: 2017-08-11 08:42:03
End at: 2017-08-11 08:42:33

# Below is generated by plot.py at 2017-08-11 10:24:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 112.529 ms
Loss rate: 6.91%
-- Flow 1:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 112.529 ms
Loss rate: 6.91%
```
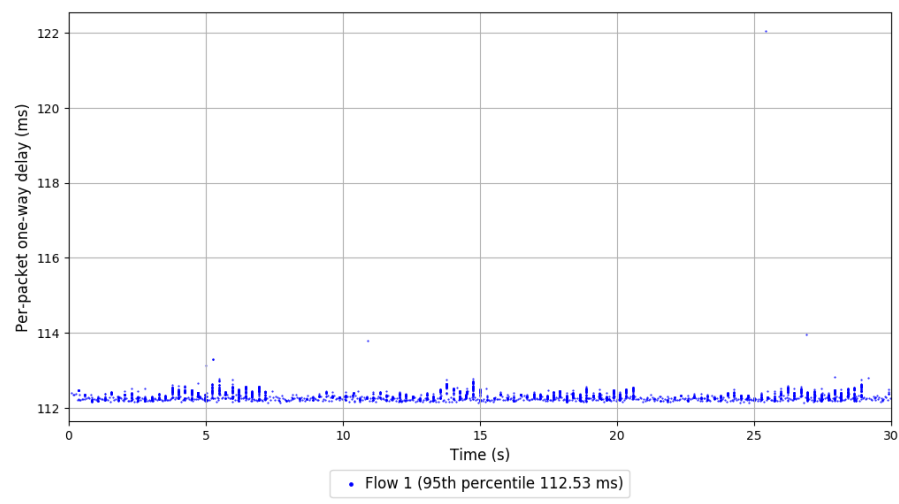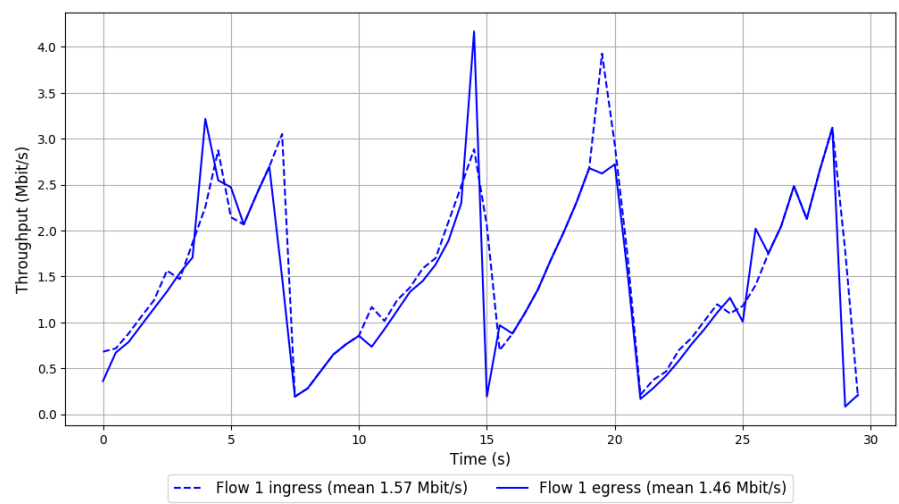
Run 7: Report of Sprout — Data Link

```
Run 8: Statistics of Sprout

Start at: 2017-08-11 08:53:03
End at: 2017-08-11 08:53:33

# Below is generated by plot.py at 2017-08-11 10:24:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 112.526 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 1.57 Mbit/s
95th percentile per-packet one-way delay: 112.526 ms
Loss rate: 2.00%
```
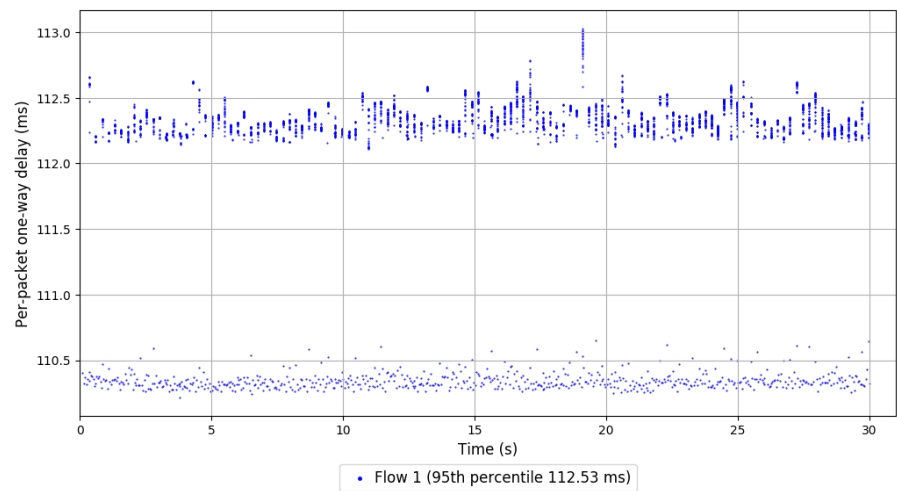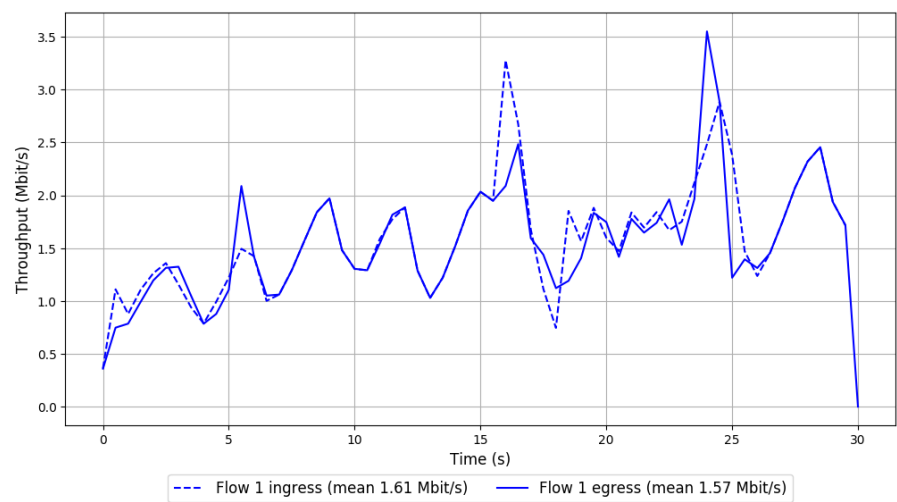
Run 8: Report of Sprout — Data Link

```
Run 9: Statistics of Sprout

Start at: 2017-08-11 09:04:43
End at: 2017-08-11 09:05:13


# Below is generated by plot.py at 2017-08-11 10:24:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 112.421 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 1.77 Mbit/s
95th percentile per-packet one-way delay: 112.421 ms
Loss rate: 0.78%
```
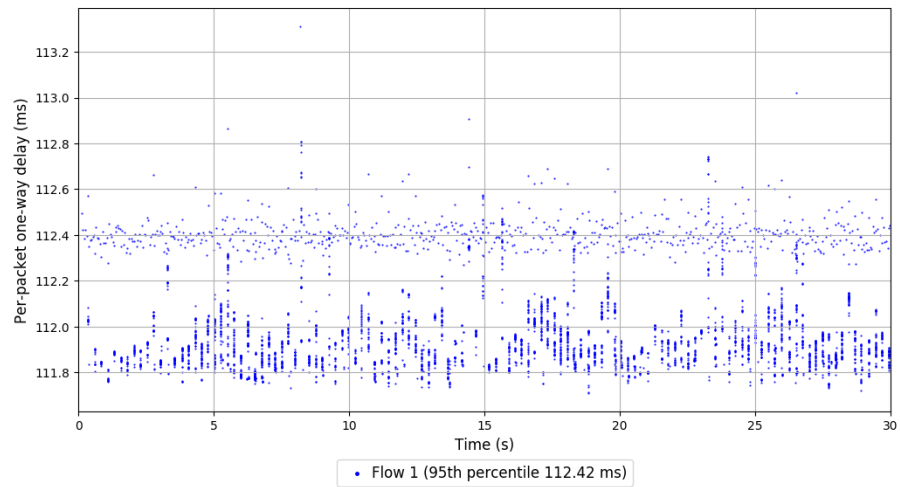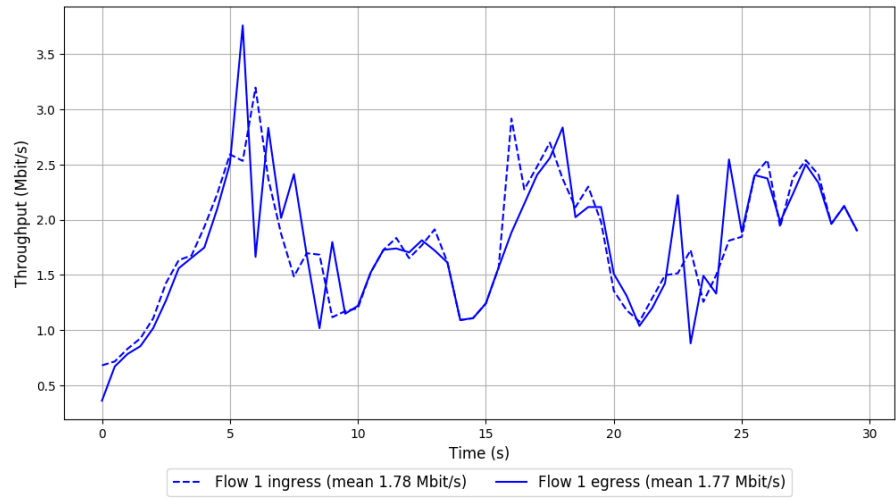
Run 9: Report of Sprout — Data Link

```
Run 10: Statistics of Sprout

Start at: 2017-08-11 09:15:44
End at: 2017-08-11 09:16:14


# Below is generated by plot.py at 2017-08-11 10:24:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 112.130 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 112.130 ms
Loss rate: 4.21%
```
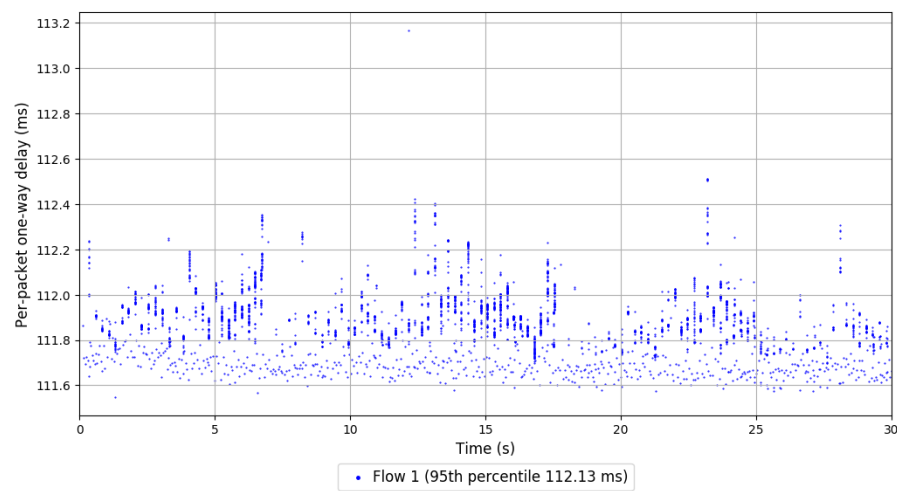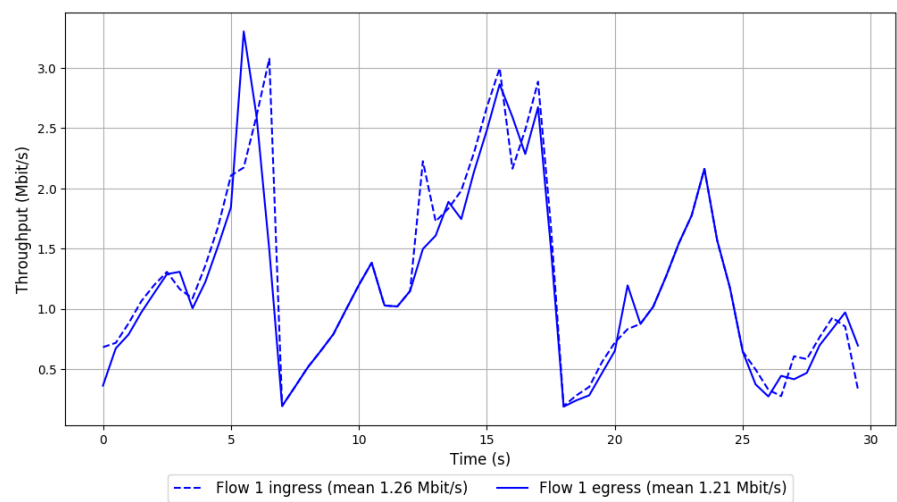
Run 10: Report of Sprout — Data Link

Flow 1 ingress (mean 1.26 Mbit/s)   Flow 1 egress (mean 1.21 Mbit/s)

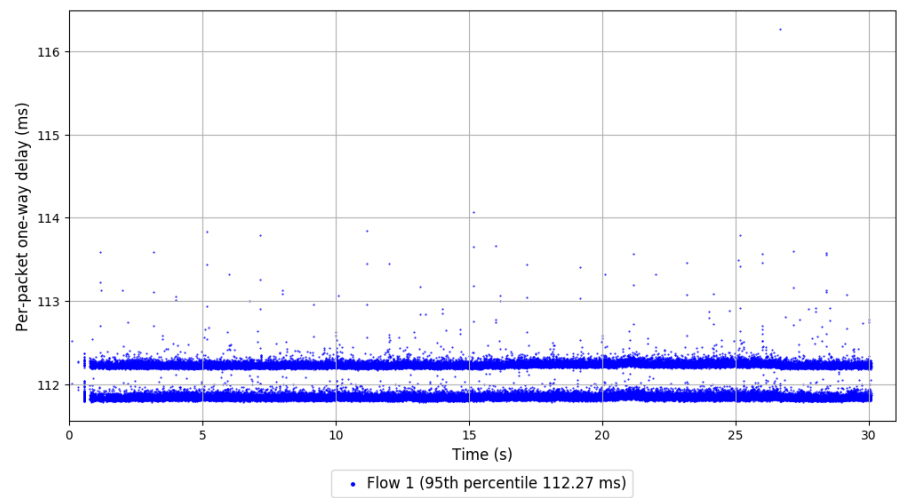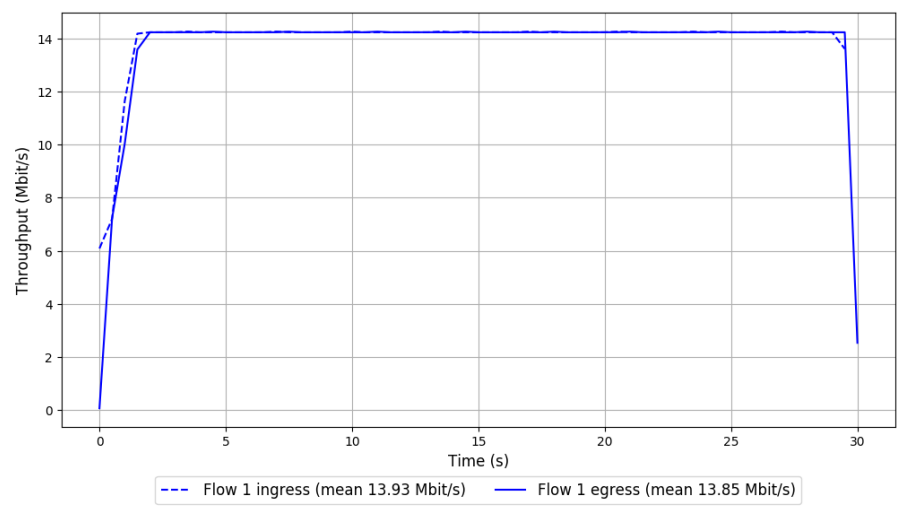Flow 1 (95th percentile 112.13 ms)

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

Start at: 2017-08-11 07:29:59
End at: 2017-08-11 07:30:29

# Below is generated by plot.py at 2017-08-11 10:24:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 112.270 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 112.270 ms
Loss rate: 0.60%
```

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

Flow 1 ingress (mean 13.93 Mbit/s) --- Flow 1 egress (mean 13.85 Mbit/s)
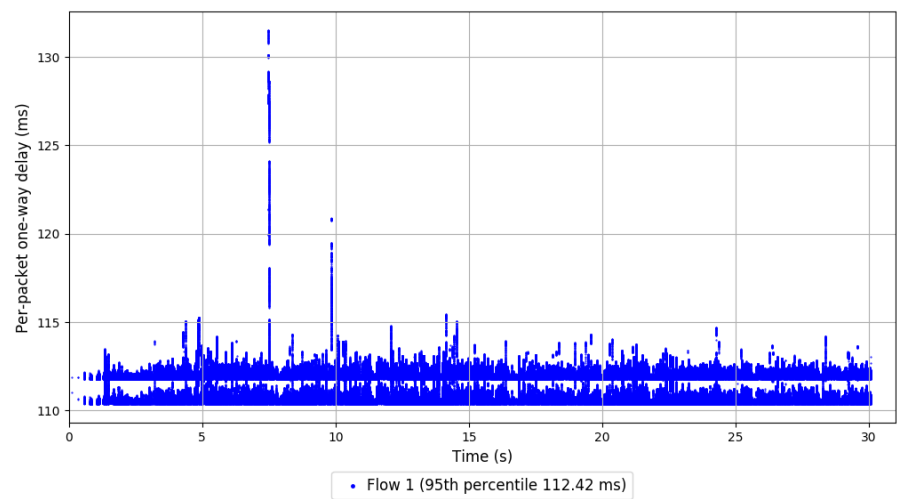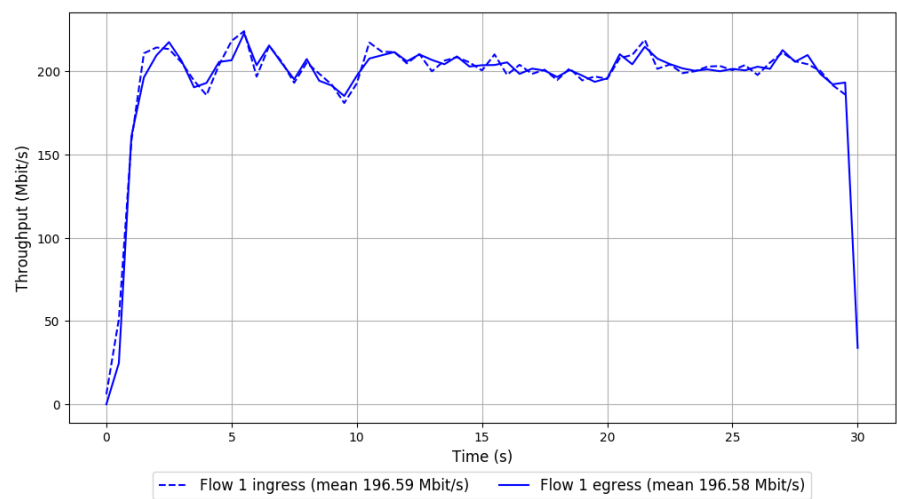

Flow 1 (95th percentile 112.27 ms)

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

Start at: 2017-08-11 07:41:13
End at: 2017-08-11 07:41:43

# Below is generated by plot.py at 2017-08-11 10:26:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.58 Mbit/s
95th percentile per-packet one-way delay: 112.417 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 196.58 Mbit/s
95th percentile per-packet one-way delay: 112.417 ms
Loss rate: 0.00%
```

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

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

Start at: 2017-08-11 07:53:01
End at: 2017-08-11 07:53:31

# Below is generated by plot.py at 2017-08-11 10:26:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.46 Mbit/s
95th percentile per-packet one-way delay: 112.673 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 104.46 Mbit/s
95th percentile per-packet one-way delay: 112.673 ms
Loss rate: 0.00%
```
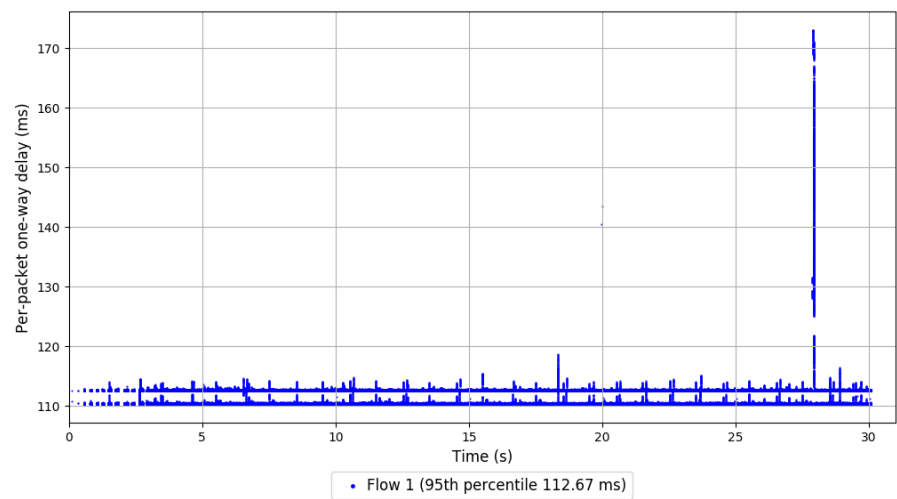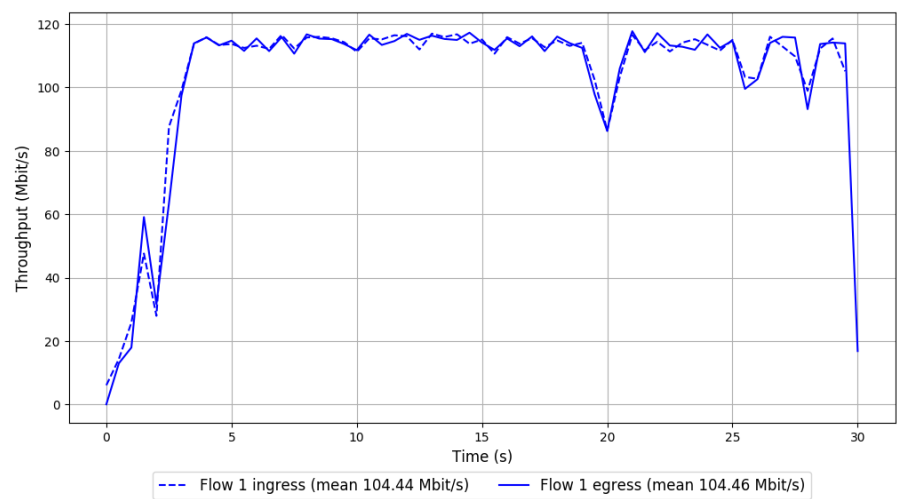
Run 3: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 104.44 Mbit/s) --- Flow 1 egress (mean 104.46 Mbit/s)
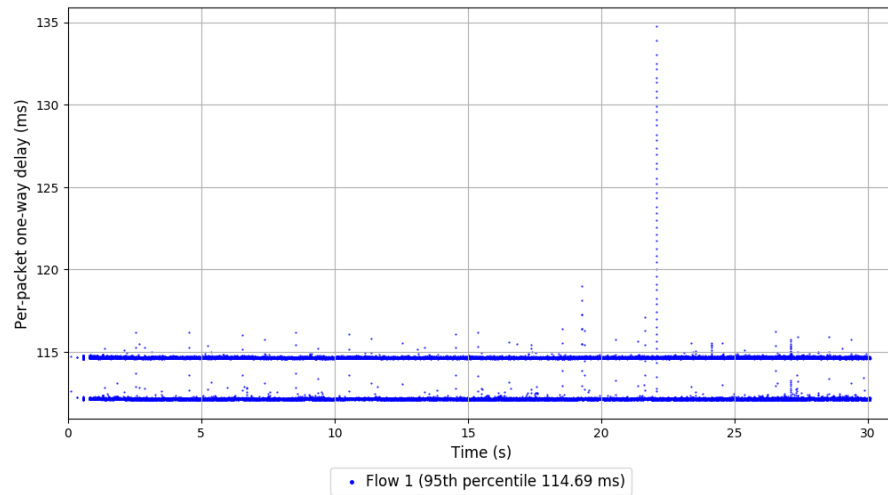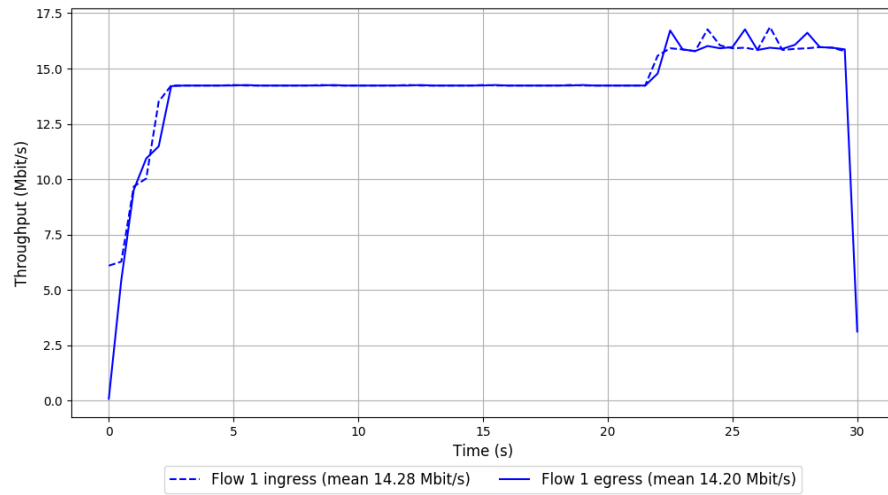

Flow 1 (95th percentile 112.67 ms)

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

Start at: 2017-08-11 08:04:27
End at: 2017-08-11 08:04:57

# Below is generated by plot.py at 2017-08-11 10:26:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 114.692 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 114.692 ms
Loss rate: 0.58%
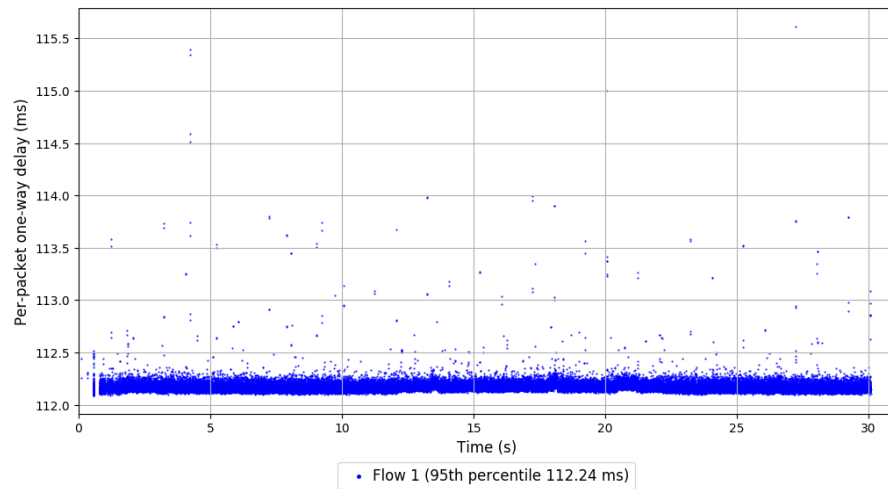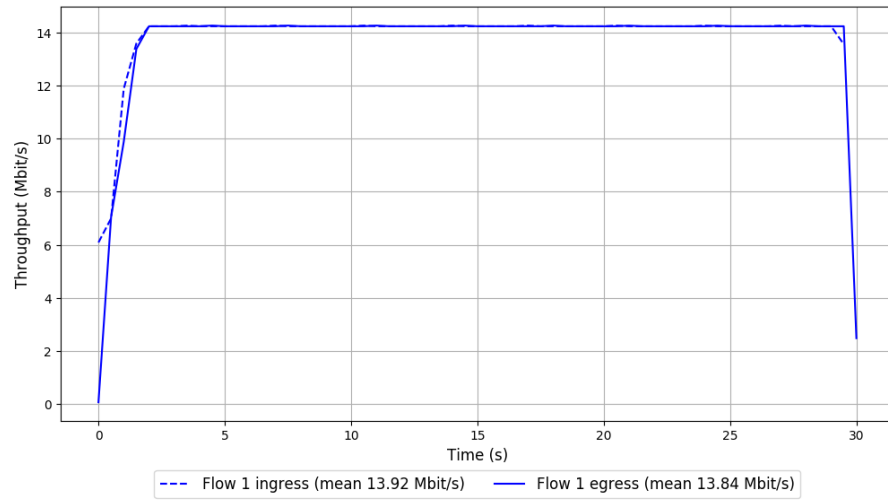```

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





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

Start at: 2017-08-11 08:15:29
End at: 2017-08-11 08:15:59

# Below is generated by plot.py at 2017-08-11 10:26:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 112.238 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 13.84 Mbit/s
95th percentile per-packet one-way delay: 112.238 ms
Loss rate: 0.60%
```

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

Flow 1 ingress (mean 13.92 Mbit/s)   Flow 1 egress (mean 13.84 Mbit/s)
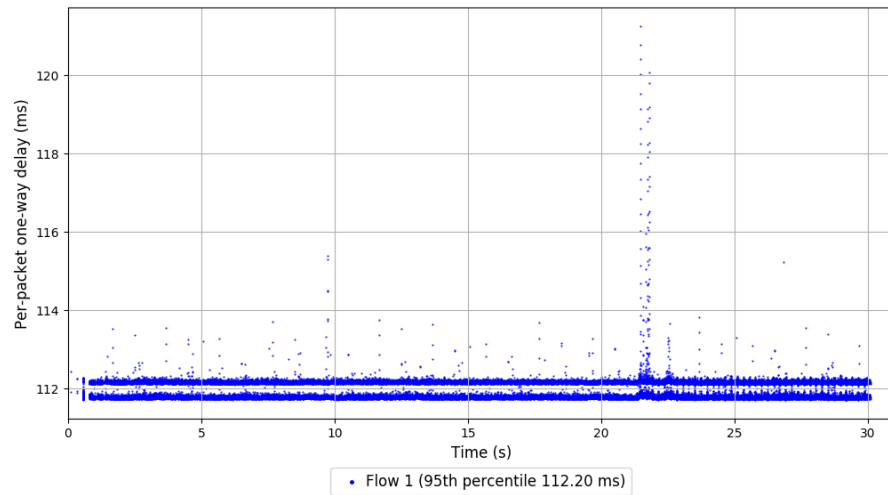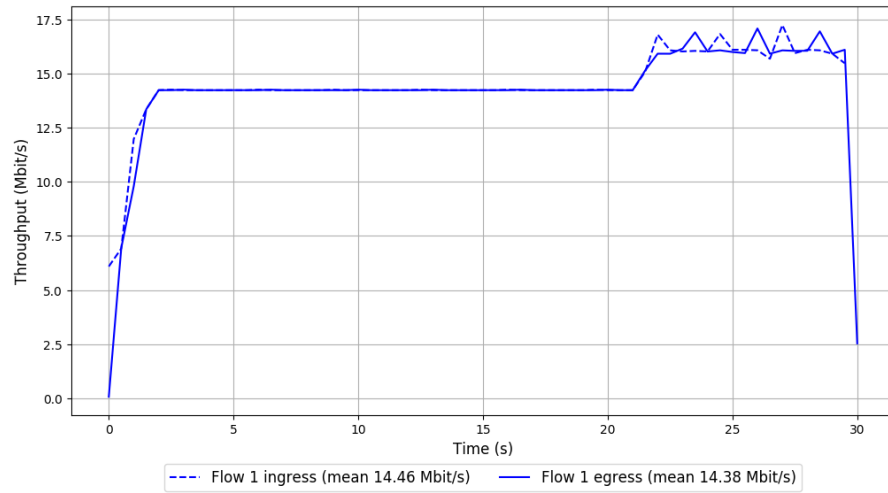

Flow 1 (95th percentile 112.24 ms)

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

Start at: 2017-08-11 08:26:16
End at: 2017-08-11 08:26:46

# Below is generated by plot.py at 2017-08-11 10:26:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 112.201 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 14.38 Mbit/s
95th percentile per-packet one-way delay: 112.201 ms
Loss rate: 0.58%
```

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

Flow 1 ingress (mean 14.46 Mbit/s)   Flow 1 egress (mean 14.38 Mbit/s)

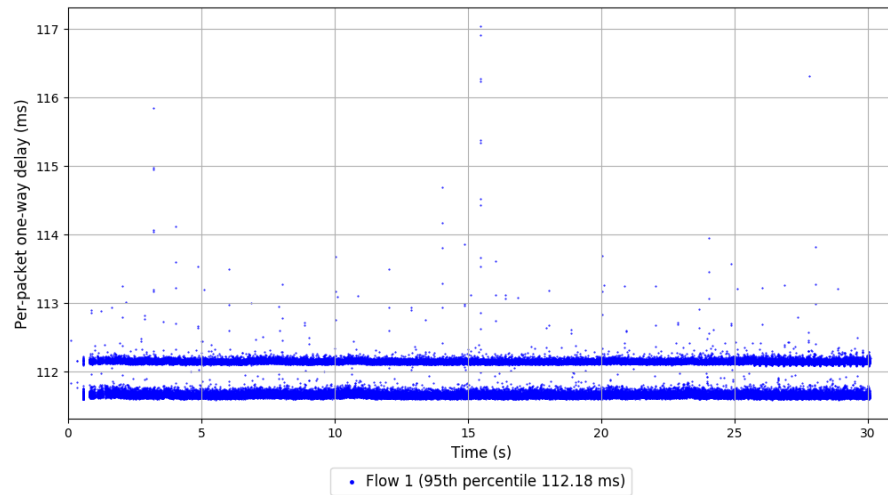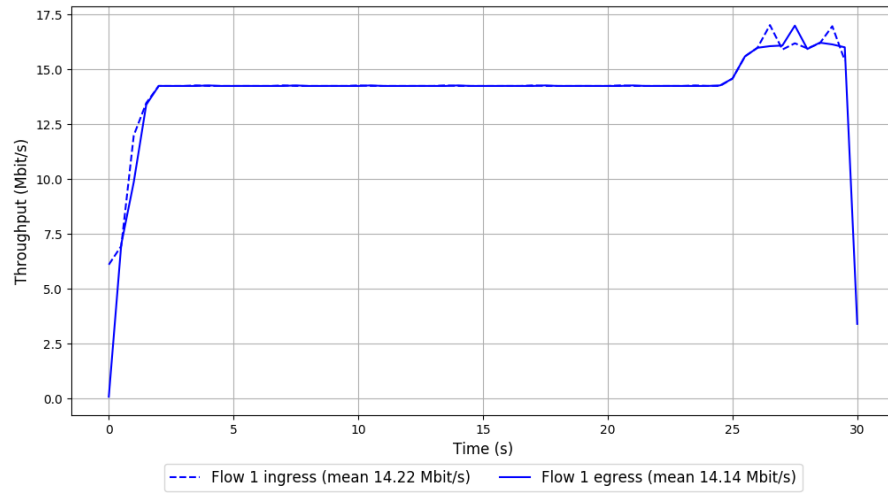

Flow 1 (95th percentile 112.20 ms)

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

Start at: 2017-08-11 08:37:32
End at: 2017-08-11 08:38:02

# Below is generated by plot.py at 2017-08-11 10:26:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.14 Mbit/s
95th percentile per-packet one-way delay: 112.178 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 14.14 Mbit/s
95th percentile per-packet one-way delay: 112.178 ms
Loss rate: 0.58%
```

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

Flow 1 ingress (mean 14.22 Mbit/s) ---- Flow 1 egress (mean 14.14 Mbit/s) ——

Flow 1 (95th percentile 112.18 ms) •

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

Start at: 2017-08-11 08:48:32
End at: 2017-08-11 08:49:02

# Below is generated by plot.py at 2017-08-11 10:26:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.86 Mbit/s
95th percentile per-packet one-way delay: 112.357 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 13.86 Mbit/s
95th percentile per-packet one-way delay: 112.357 ms
Loss rate: 0.60%
```
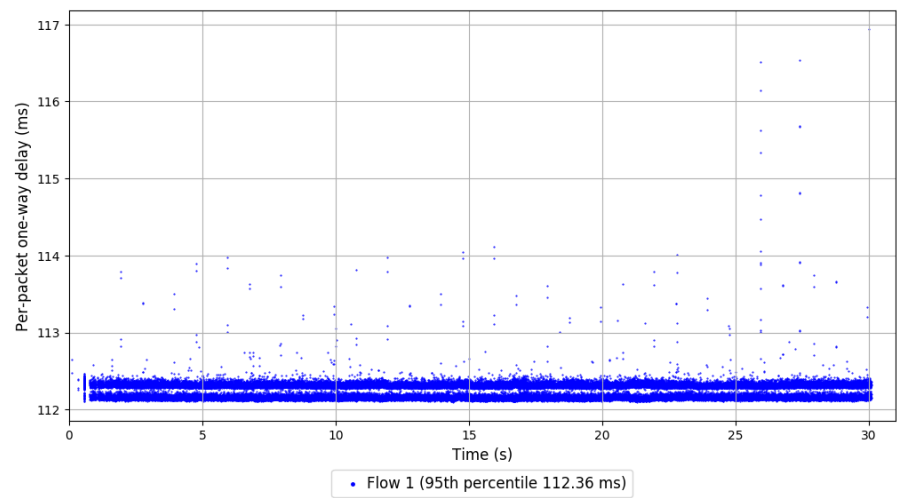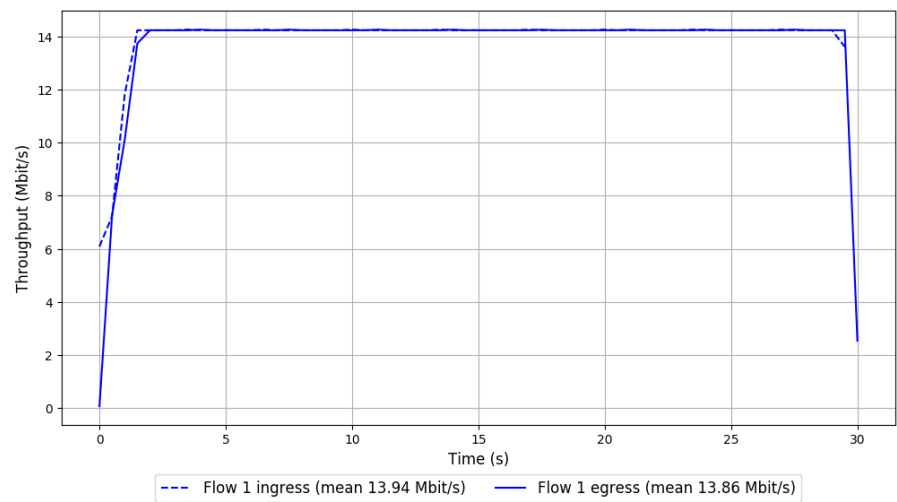
Run 8: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 13.94 Mbit/s)   Flow 1 egress (mean 13.86 Mbit/s)

Flow 1 (95th percentile 112.36 ms)

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

Start at: 2017-08-11 08:59:47
End at: 2017-08-11 09:00:17

# Below is generated by plot.py at 2017-08-11 10:27:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.07 Mbit/s
95th percentile per-packet one-way delay: 112.438 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 216.07 Mbit/s
95th percentile per-packet one-way delay: 112.438 ms
Loss rate: 0.09%
```
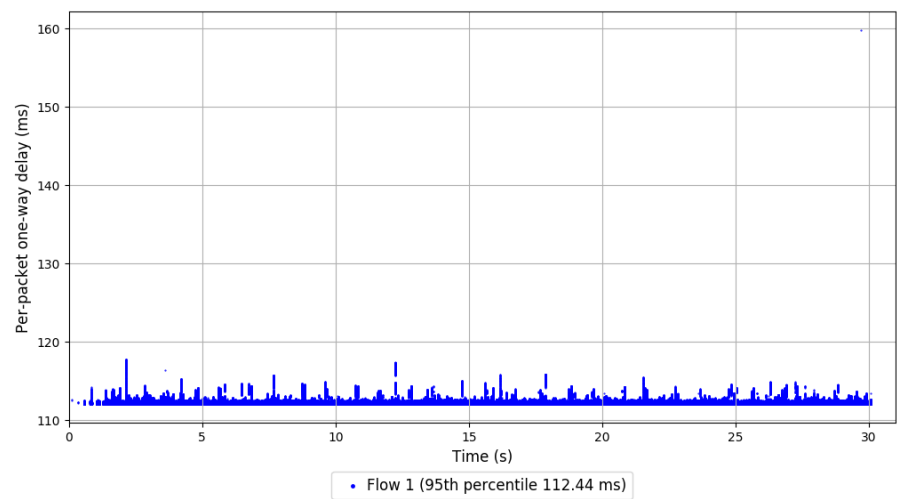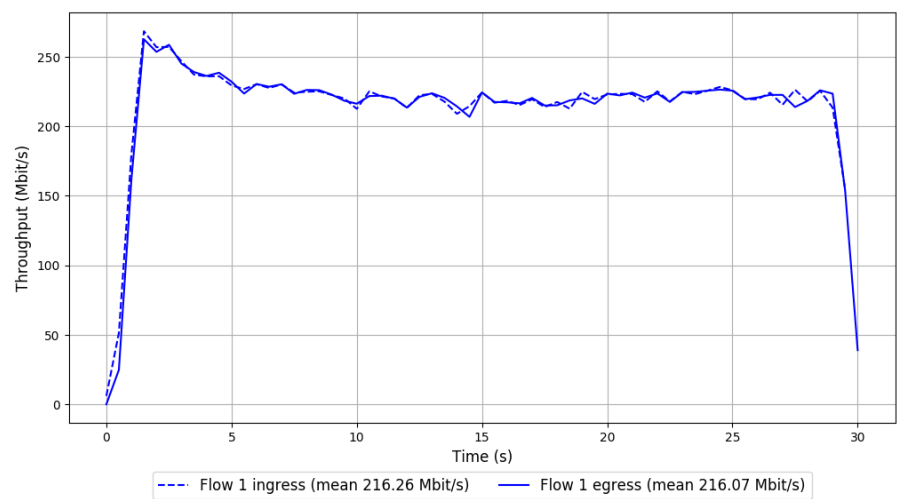
Run 9: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 216.26 Mbit/s)   Flow 1 egress (mean 216.07 Mbit/s)
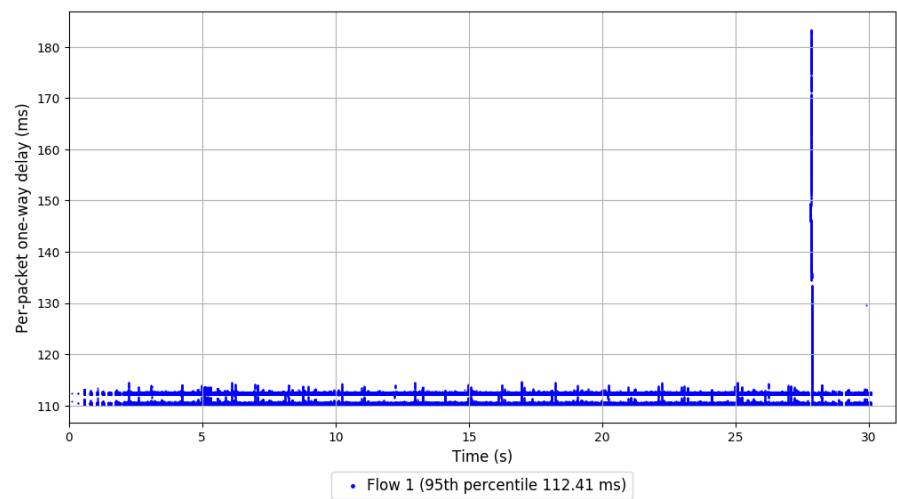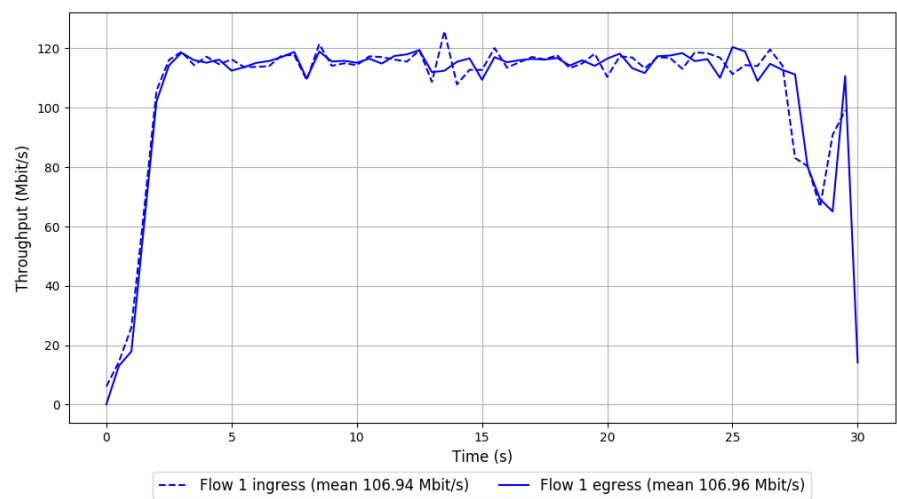

• Flow 1 (95th percentile 112.44 ms)

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

Start at: 2017-08-11 09:11:18
End at: 2017-08-11 09:11:48


# Below is generated by plot.py at 2017-08-11 10:27:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.96 Mbit/s
95th percentile per-packet one-way delay: 112.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.96 Mbit/s
95th percentile per-packet one-way delay: 112.406 ms
Loss rate: 0.00%
```
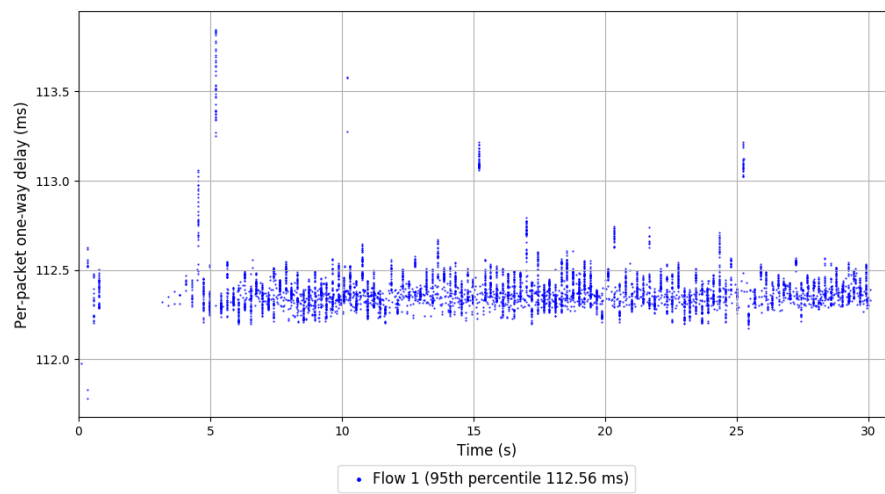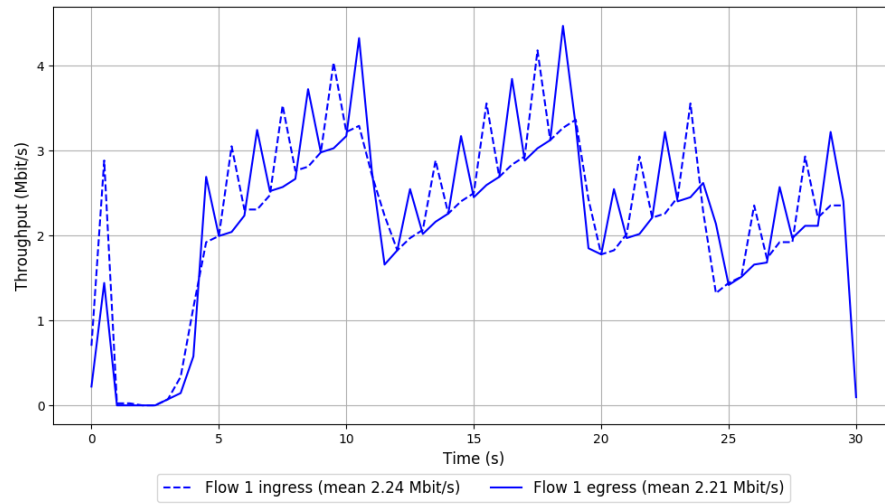
Run 10: Report of TaoVA-100x — Data Link

Flow 1 ingress (mean 106.94 Mbit/s) ——— Flow 1 egress (mean 106.96 Mbit/s)

• Flow 1 (95th percentile 112.41 ms)

```
Run 1: Statistics of TCP Vegas

Start at: 2017-08-11 07:29:18
End at: 2017-08-11 07:29:48

# Below is generated by plot.py at 2017-08-11 10:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 112.559 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 112.559 ms
Loss rate: 1.55%
```

Run 1: Report of TCP Vegas — Data Link

```
Run 2: Statistics of TCP Vegas

Start at: 2017-08-11 07:40:32
End at: 2017-08-11 07:41:02

# Below is generated by plot.py at 2017-08-11 10:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 110.822 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 3.04 Mbit/s
95th percentile per-packet one-way delay: 110.822 ms
Loss rate: 1.20%
```
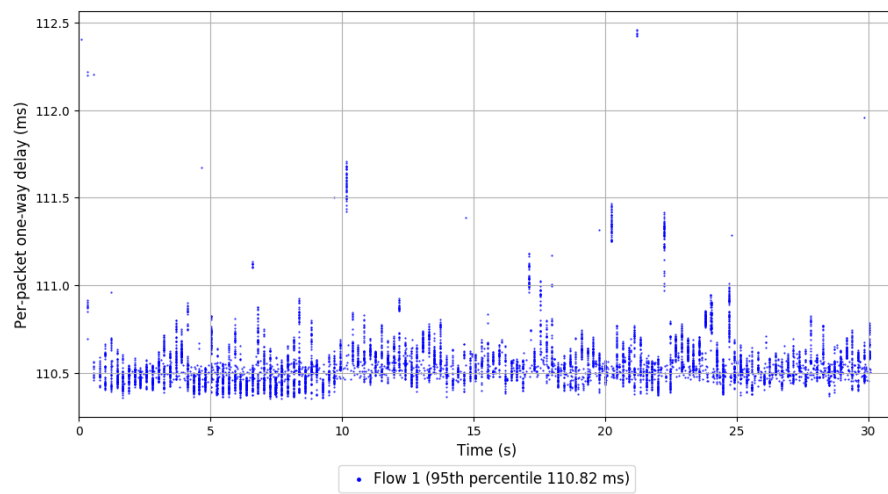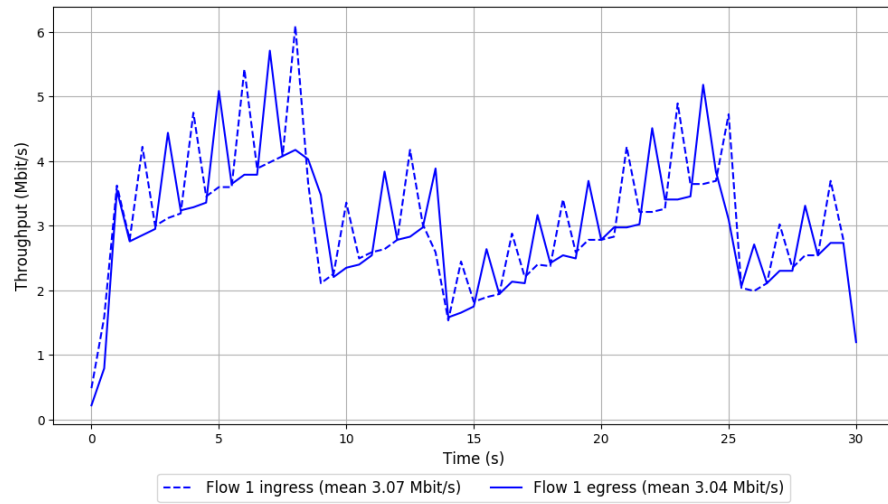
Run 2: Report of TCP Vegas — Data Link

```
Run 3: Statistics of TCP Vegas

Start at: 2017-08-11 07:52:20
End at: 2017-08-11 07:52:50

# Below is generated by plot.py at 2017-08-11 10:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 110.767 ms
Loss rate: 1.86%
-- Flow 1:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 110.767 ms
Loss rate: 1.86%
```
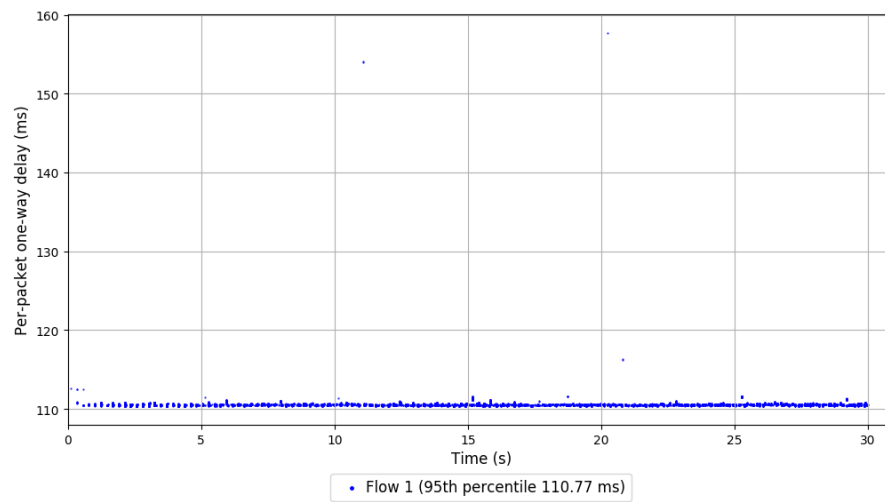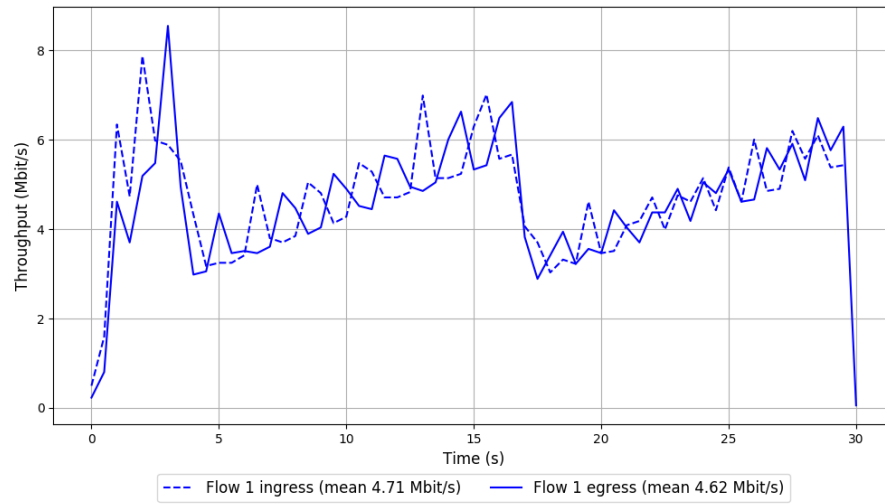
Run 3: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 4.71 Mbit/s) — Flow 1 egress (mean 4.62 Mbit/s)

Flow 1 (95th percentile 110.77 ms)

```
Run 4: Statistics of TCP Vegas

Start at: 2017-08-11 08:03:46
End at: 2017-08-11 08:04:16

# Below is generated by plot.py at 2017-08-11 10:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 112.477 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 3.05 Mbit/s
95th percentile per-packet one-way delay: 112.477 ms
Loss rate: 2.07%
```
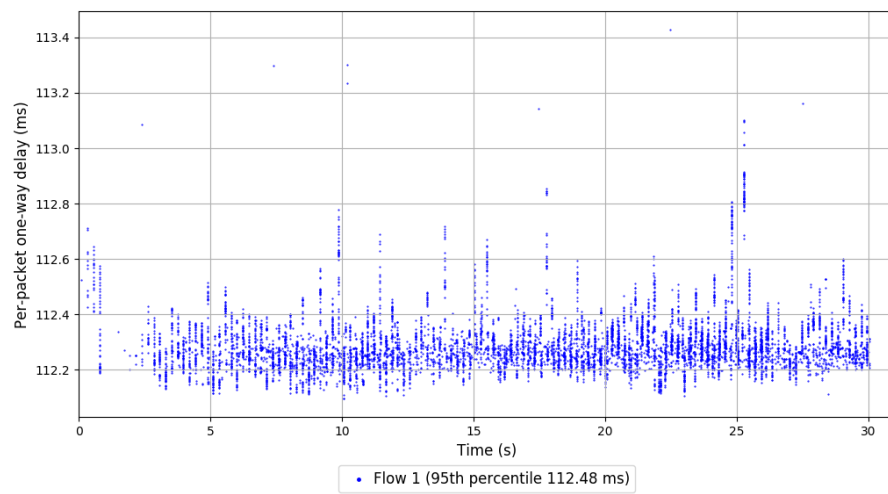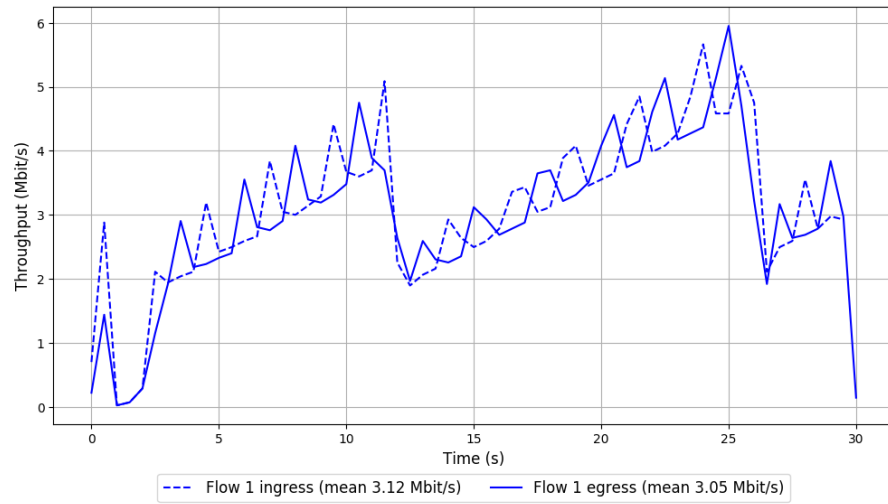
Run 4: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 3.12 Mbit/s) --- Flow 1 egress (mean 3.05 Mbit/s)

Flow 1 (95th percentile 112.48 ms)

```
Run 5: Statistics of TCP Vegas

Start at: 2017-08-11 08:14:45
End at: 2017-08-11 08:15:15

# Below is generated by plot.py at 2017-08-11 10:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 113.451 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 33.18 Mbit/s
95th percentile per-packet one-way delay: 113.451 ms
Loss rate: 0.14%
```
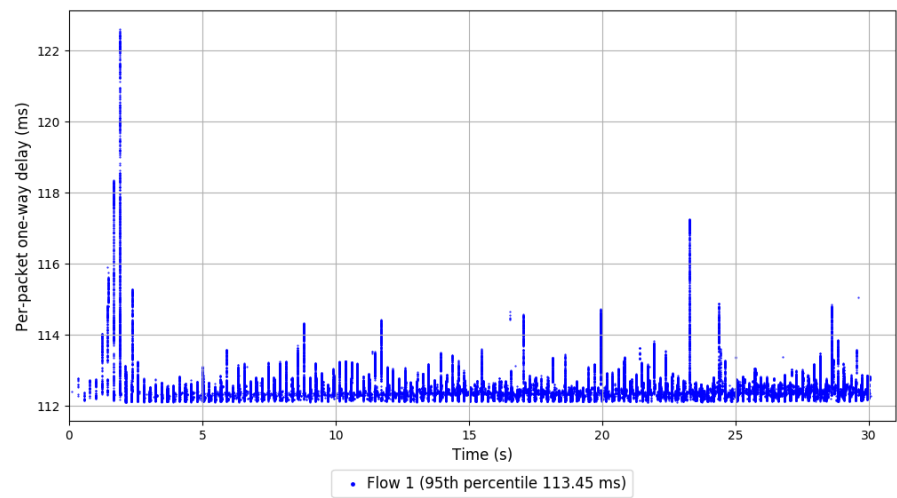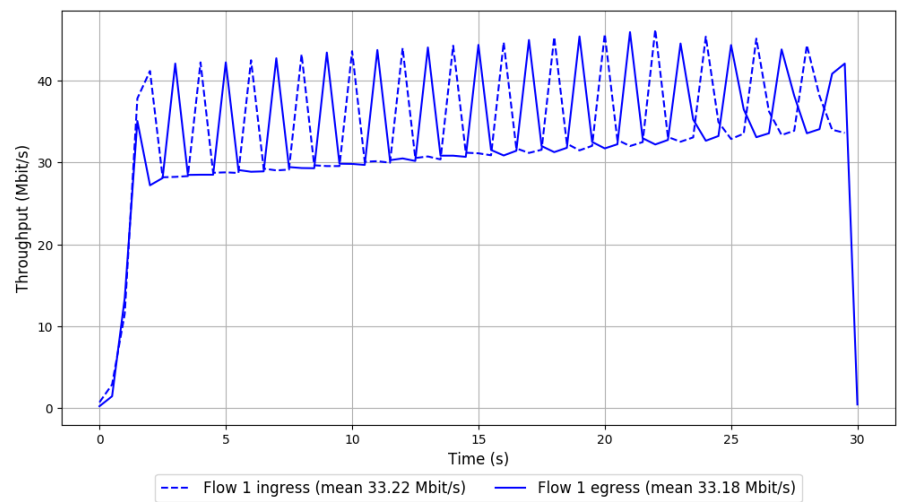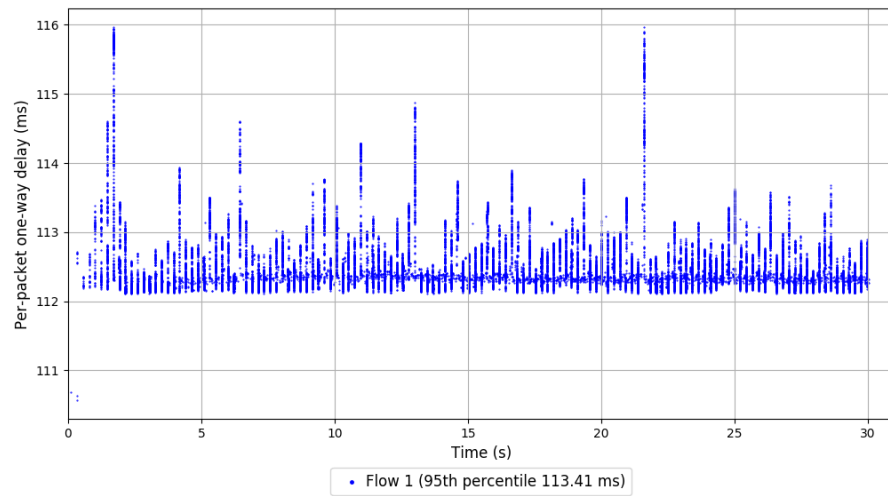
Run 5: Report of TCP Vegas — Data Link

```
Run 6: Statistics of TCP Vegas

Start at: 2017-08-11 08:25:34
End at: 2017-08-11 08:26:04

# Below is generated by plot.py at 2017-08-11 10:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 113.412 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.16 Mbit/s
95th percentile per-packet one-way delay: 113.412 ms
Loss rate: 0.01%
```
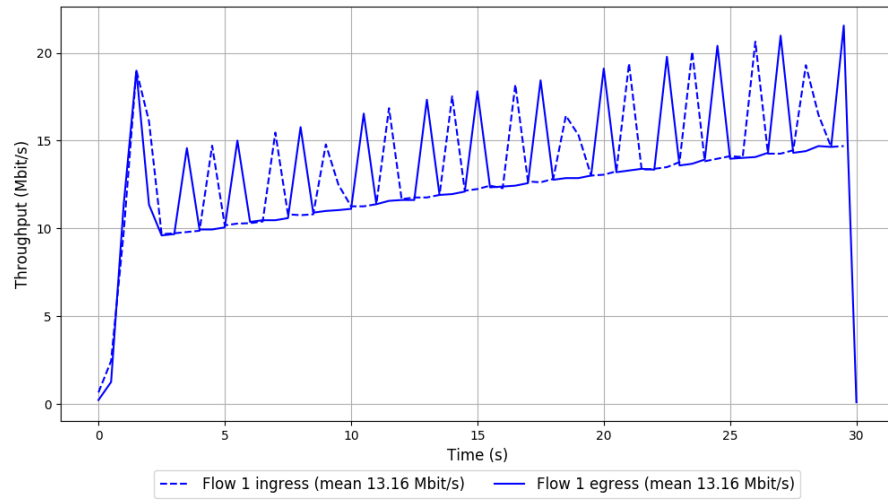
Run 6: Report of TCP Vegas — Data Link

```
Run 7: Statistics of TCP Vegas

Start at: 2017-08-11 08:36:51
End at: 2017-08-11 08:37:21

# Below is generated by plot.py at 2017-08-11 10:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 112.478 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 112.478 ms
Loss rate: 2.85%
```
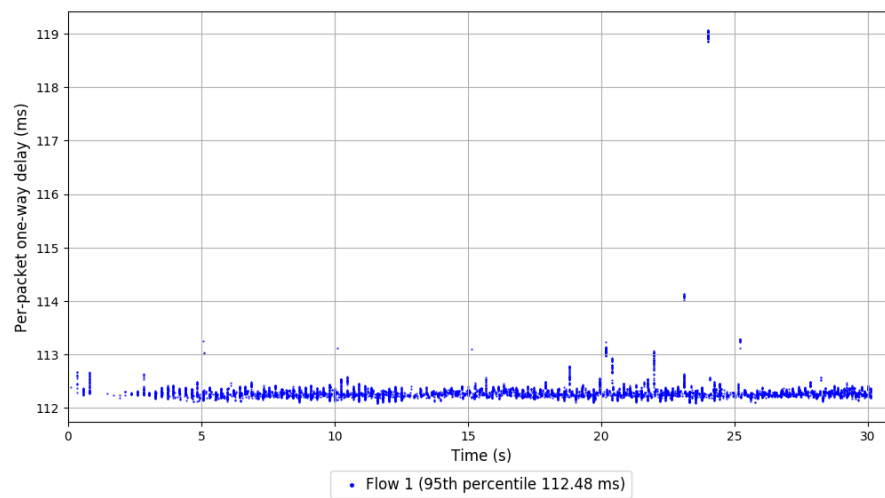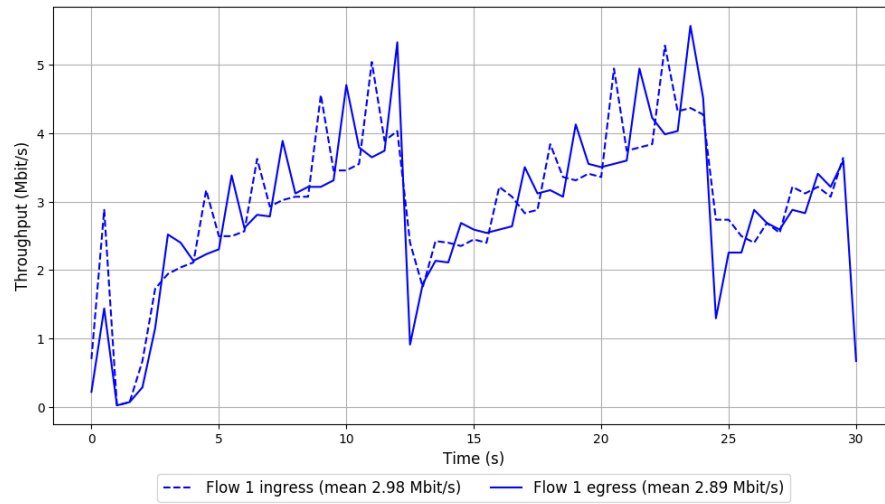
Run 7: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 2.98 Mbit/s)   Flow 1 egress (mean 2.89 Mbit/s)

• Flow 1 (95th percentile 112.48 ms)

```
Run 8: Statistics of TCP Vegas

Start at: 2017-08-11 08:47:51
End at: 2017-08-11 08:48:21

# Below is generated by plot.py at 2017-08-11 10:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 112.496 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 3.07 Mbit/s
95th percentile per-packet one-way delay: 112.496 ms
Loss rate: 2.69%
```
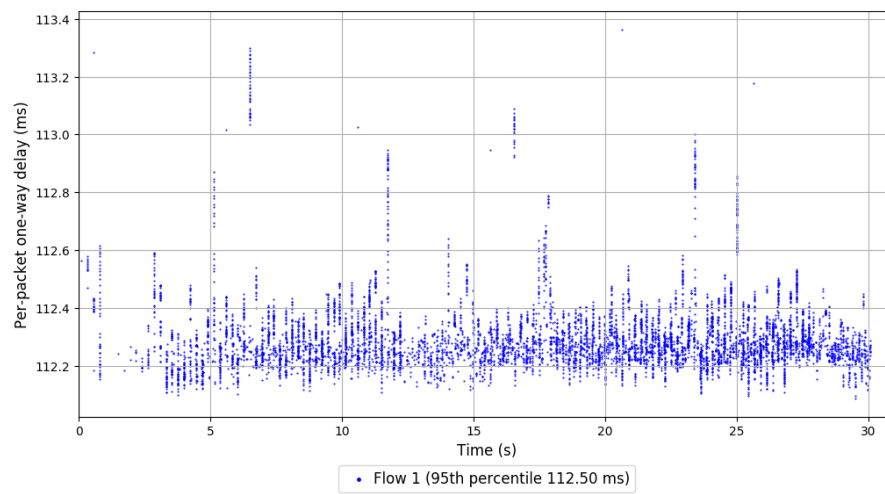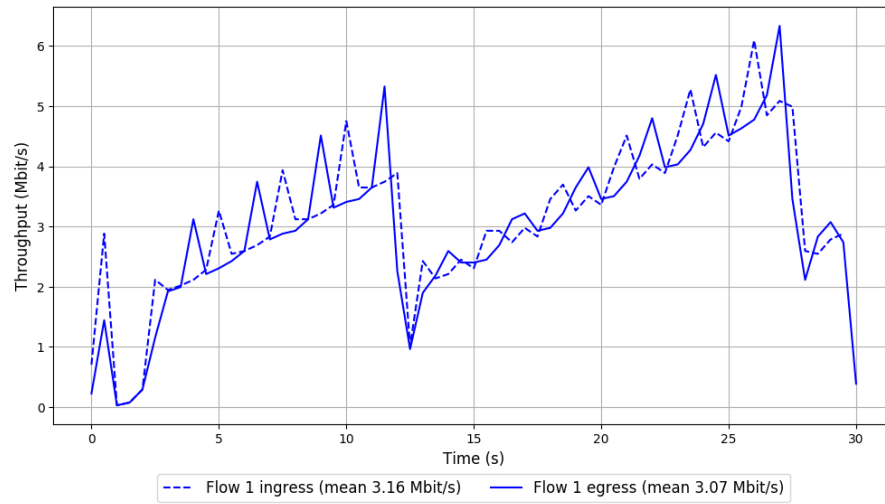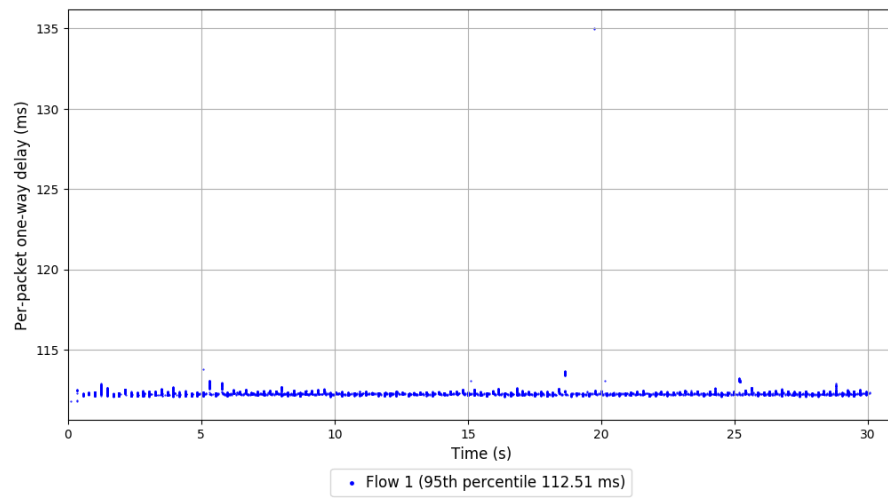
Run 8: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 3.16 Mbit/s) — — —   Flow 1 egress (mean 3.07 Mbit/s) ———

• Flow 1 (95th percentile 112.50 ms)

```
Run 9: Statistics of TCP Vegas

Start at: 2017-08-11 08:59:06
End at: 2017-08-11 08:59:36

# Below is generated by plot.py at 2017-08-11 10:27:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 112.514 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 3.47 Mbit/s
95th percentile per-packet one-way delay: 112.514 ms
Loss rate: 1.23%
```
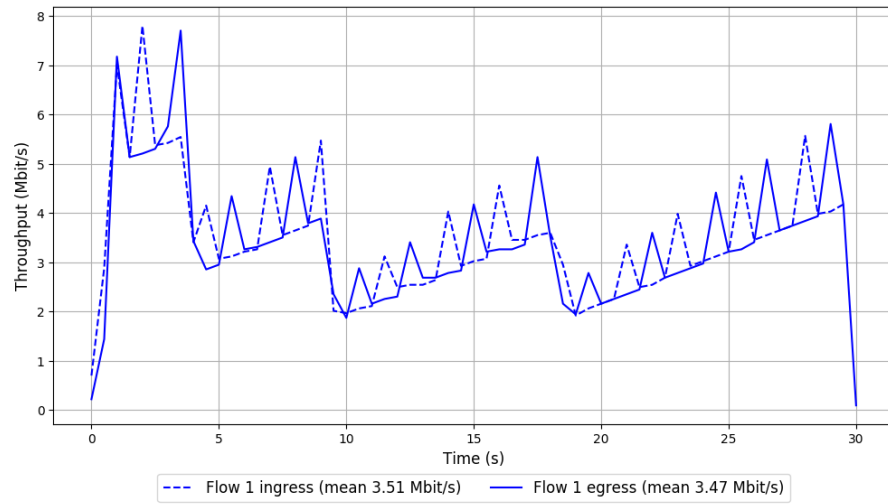
Run 9: Report of TCP Vegas — Data Link

Flow 1 ingress (mean 3.51 Mbit/s) --- Flow 1 egress (mean 3.47 Mbit/s)

Flow 1 (95th percentile 112.51 ms)

Run 10: Statistics of TCP Vegas

Start at: 2017-08-11 09:10:35
End at: 2017-08-11 09:11:05

Below is generated by plot.py at 2017-08-11 10:27:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 27.58 Mbit/s
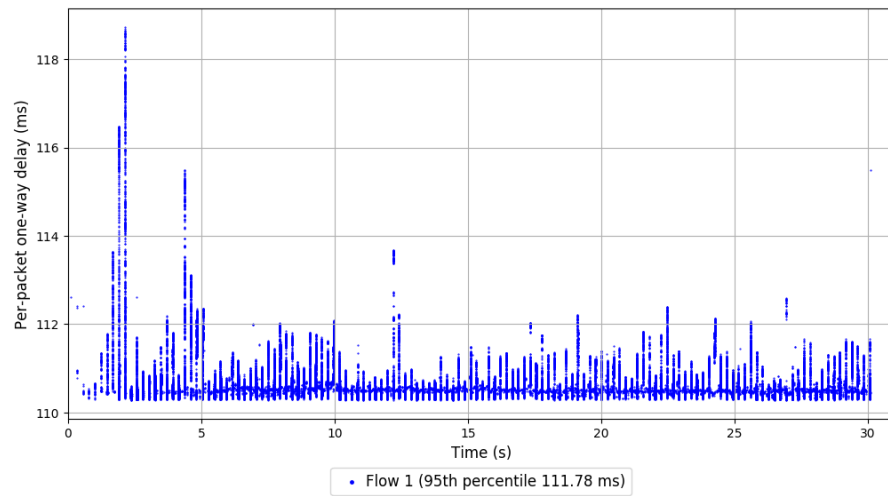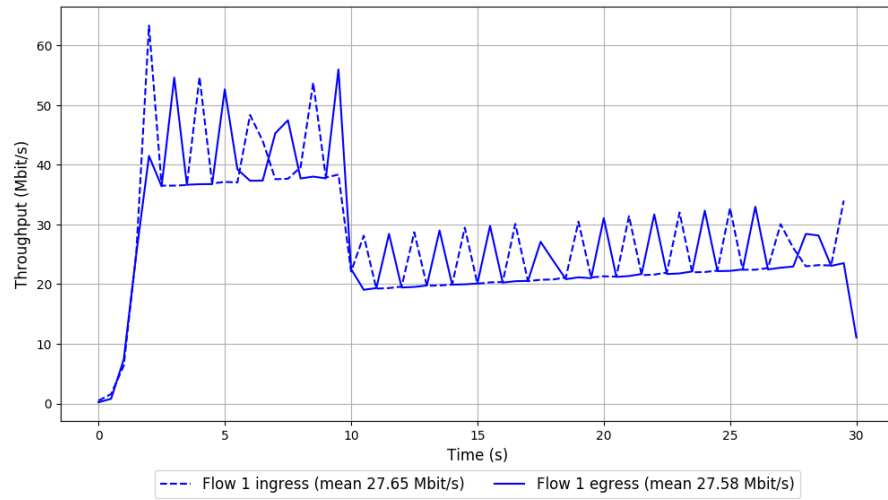95th percentile per-packet one-way delay: 111.784 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 27.58 Mbit/s
95th percentile per-packet one-way delay: 111.784 ms
Loss rate: 0.24%

Run 10: Report of TCP Vegas — Data Link

```
Run 1: Statistics of Verus

Start at: 2017-08-11 07:27:32
End at: 2017-08-11 07:28:02

# Below is generated by plot.py at 2017-08-11 10:27:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 154.090 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 87.59 Mbit/s
95th percentile per-packet one-way delay: 154.090 ms
Loss rate: 1.52%
```
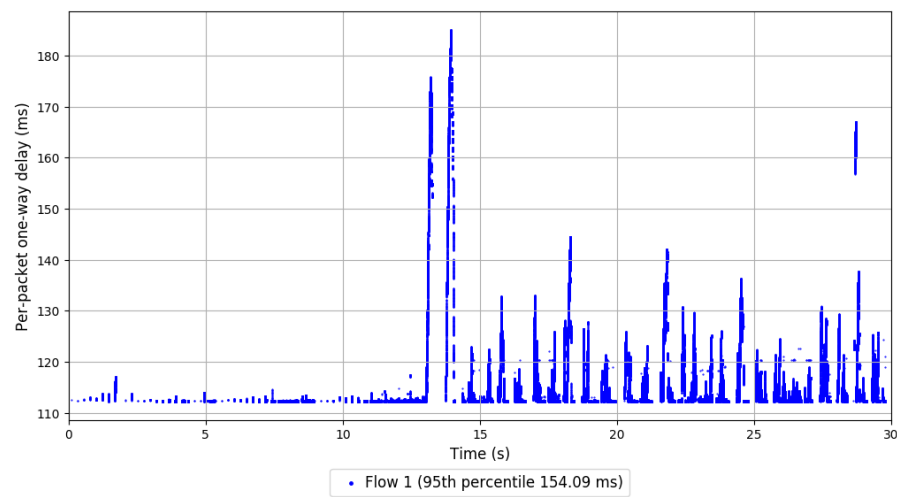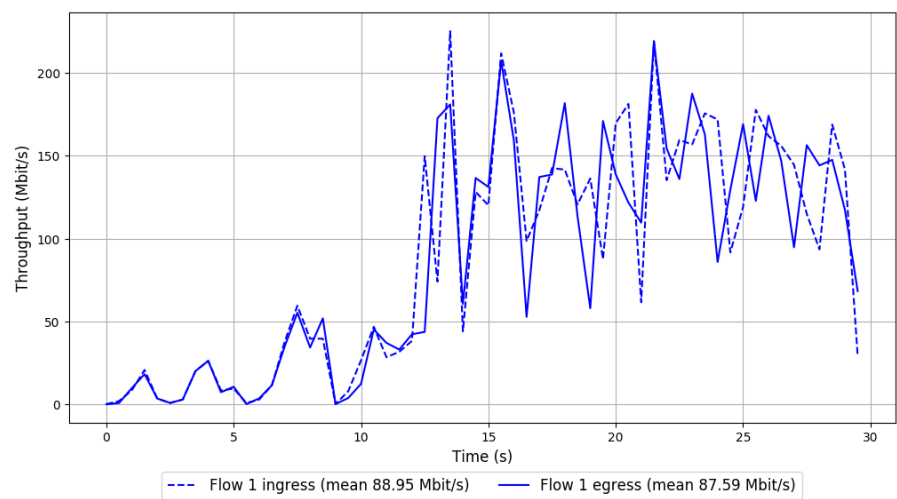
Run 1: Report of Verus — Data Link

Flow 1 ingress (mean 88.95 Mbit/s)   Flow 1 egress (mean 87.59 Mbit/s)

Flow 1 (95th percentile 154.09 ms)

```
Run 2: Statistics of Verus

Start at: 2017-08-11 07:38:47
End at: 2017-08-11 07:39:17

# Below is generated by plot.py at 2017-08-11 10:27:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 120.936 ms
Loss rate: 68.32%
-- Flow 1:
Average throughput: 45.89 Mbit/s
95th percentile per-packet one-way delay: 120.936 ms
Loss rate: 68.32%
```
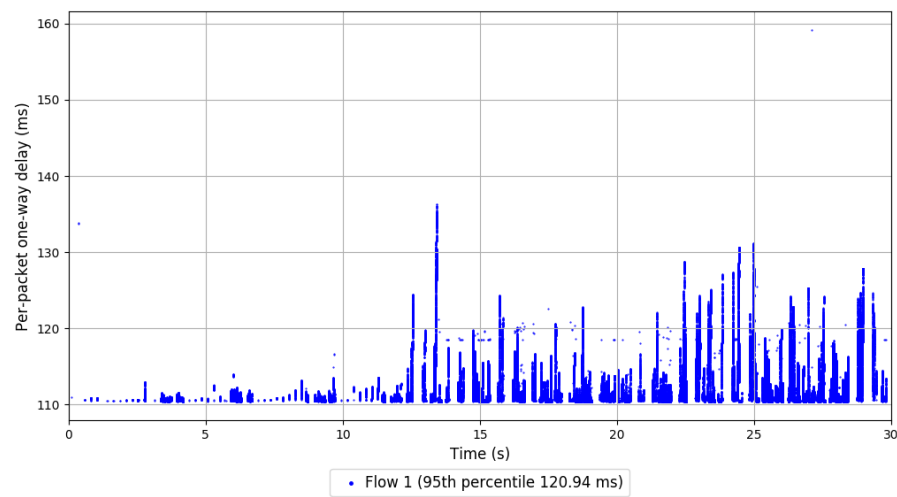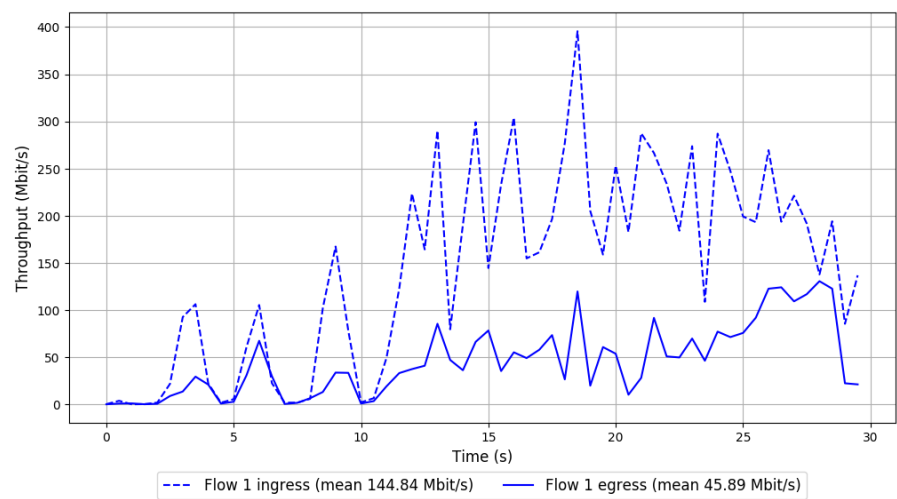
Run 2: Report of Verus — Data Link

```
Run 3: Statistics of Verus

Start at: 2017-08-11 07:50:33
End at: 2017-08-11 07:51:03

# Below is generated by plot.py at 2017-08-11 10:27:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.07 Mbit/s
95th percentile per-packet one-way delay: 149.208 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 114.07 Mbit/s
95th percentile per-packet one-way delay: 149.208 ms
Loss rate: 2.99%
```
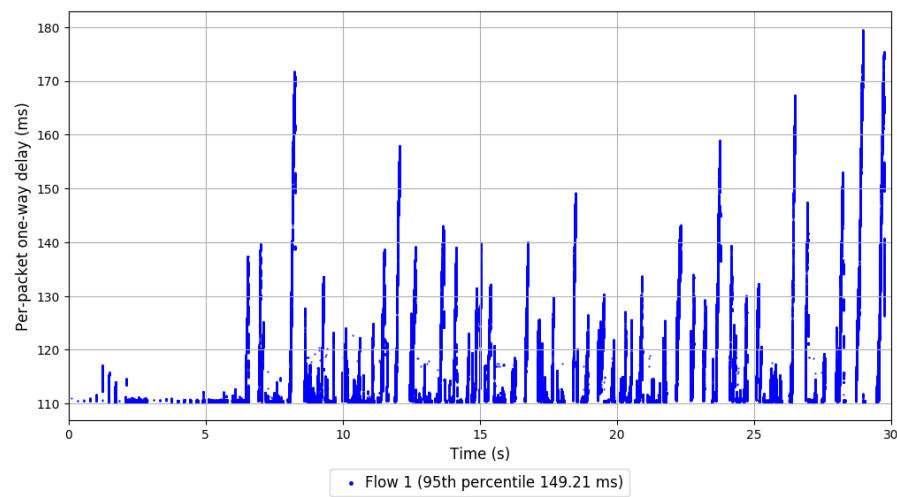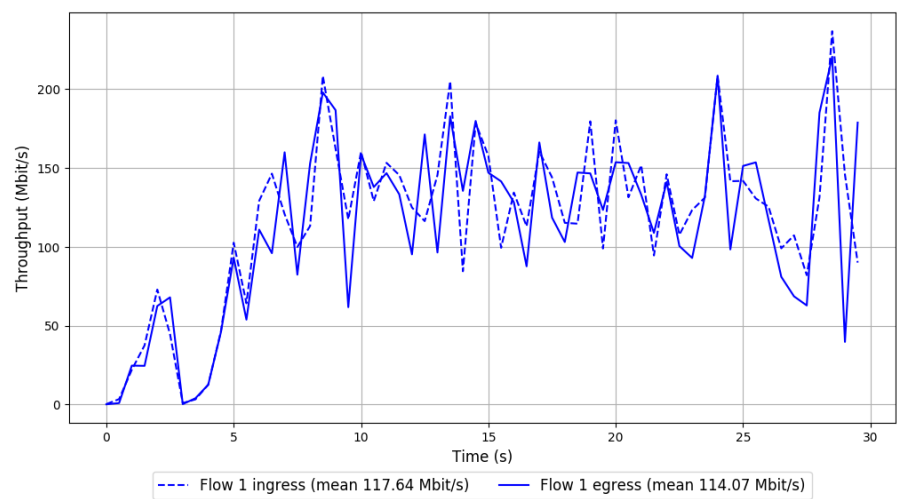
Run 3: Report of Verus — Data Link

Flow 1 ingress (mean 117.64 Mbit/s) — — — — Flow 1 egress (mean 114.07 Mbit/s)

• Flow 1 (95th percentile 149.21 ms)

```
Run 4: Statistics of Verus

Start at: 2017-08-11 08:02:00
End at: 2017-08-11 08:02:30

# Below is generated by plot.py at 2017-08-11 10:27:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 136.003 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 136.003 ms
Loss rate: 4.94%
```
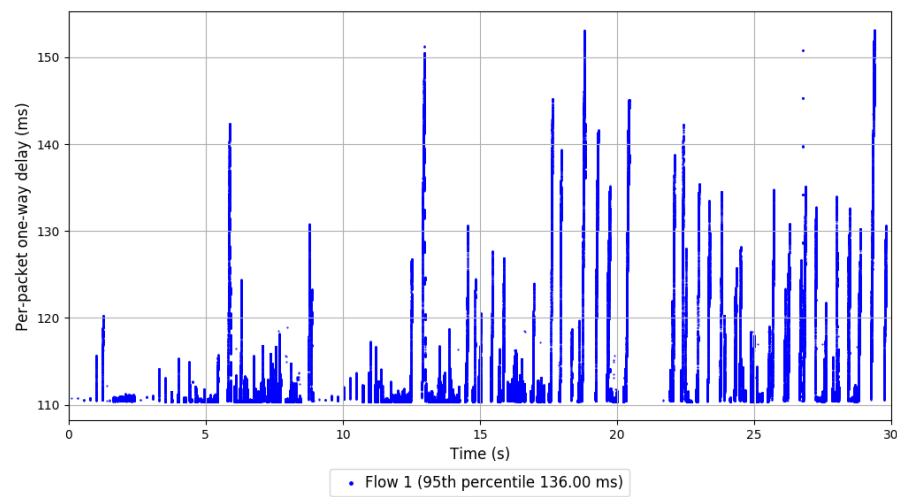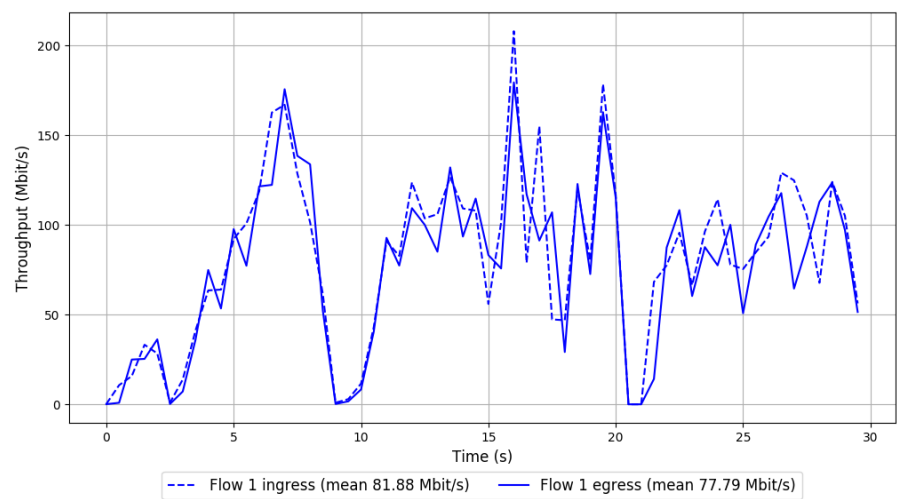
Run 4: Report of Verus — Data Link

```
Run 5: Statistics of Verus

Start at: 2017-08-11 08:12:59
End at: 2017-08-11 08:13:29

# Below is generated by plot.py at 2017-08-11 10:28:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.59 Mbit/s
95th percentile per-packet one-way delay: 170.236 ms
Loss rate: 4.46%
-- Flow 1:
Average throughput: 80.59 Mbit/s
95th percentile per-packet one-way delay: 170.236 ms
Loss rate: 4.46%
```
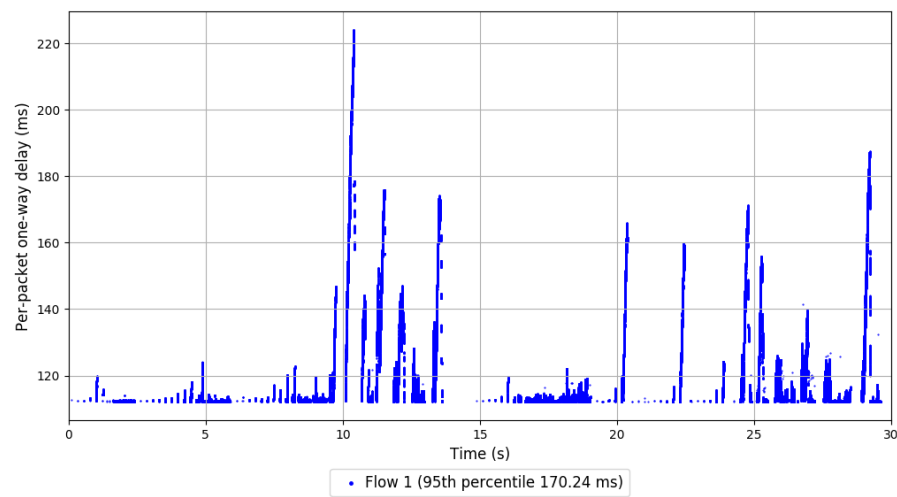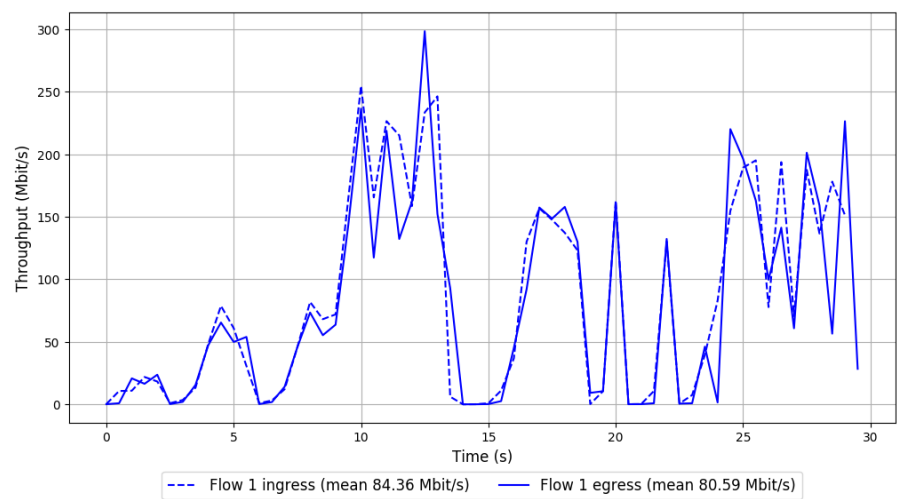
Run 5: Report of Verus — Data Link

```
Run 6: Statistics of Verus

Start at: 2017-08-11 08:24:05
End at: 2017-08-11 08:24:35

# Below is generated by plot.py at 2017-08-11 10:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.42 Mbit/s
95th percentile per-packet one-way delay: 135.868 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 99.42 Mbit/s
95th percentile per-packet one-way delay: 135.868 ms
Loss rate: 2.55%
```
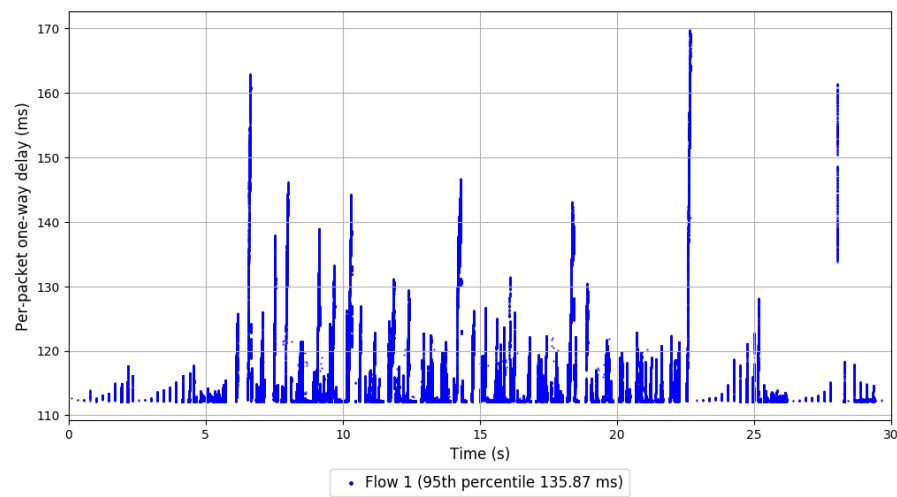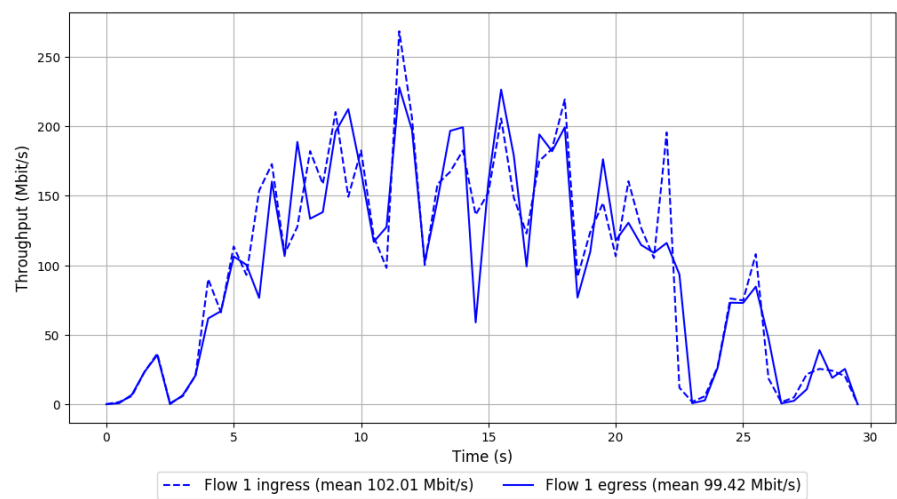
Run 6: Report of Verus — Data Link

```
Run 7: Statistics of Verus

Start at: 2017-08-11 08:35:03
End at: 2017-08-11 08:35:33


# Below is generated by plot.py at 2017-08-11 10:28:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 104.34 Mbit/s
95th percentile per-packet one-way delay: 135.222 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 104.34 Mbit/s
95th percentile per-packet one-way delay: 135.222 ms
Loss rate: 3.22%
```
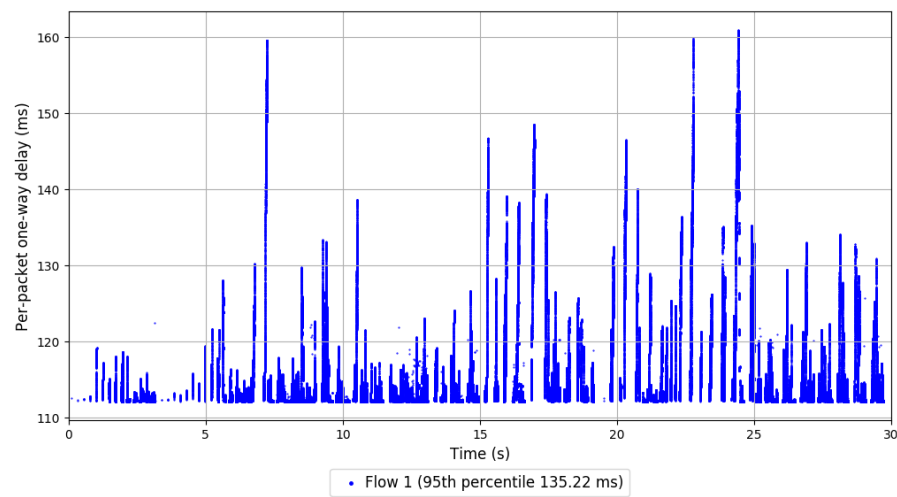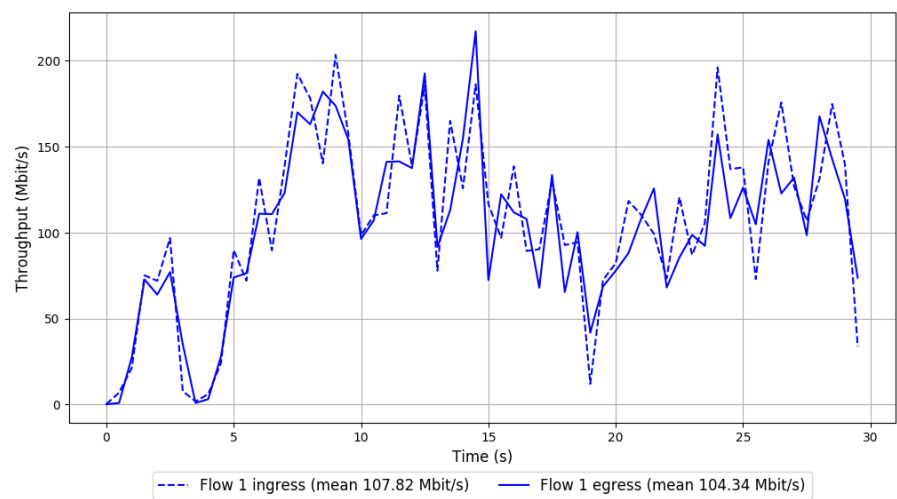
Run 7: Report of Verus — Data Link

```
Run 8: Statistics of Verus

Start at: 2017-08-11 08:46:19
End at: 2017-08-11 08:46:49

# Below is generated by plot.py at 2017-08-11 10:28:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.58 Mbit/s
95th percentile per-packet one-way delay: 178.967 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 121.58 Mbit/s
95th percentile per-packet one-way delay: 178.967 ms
Loss rate: 3.33%
```
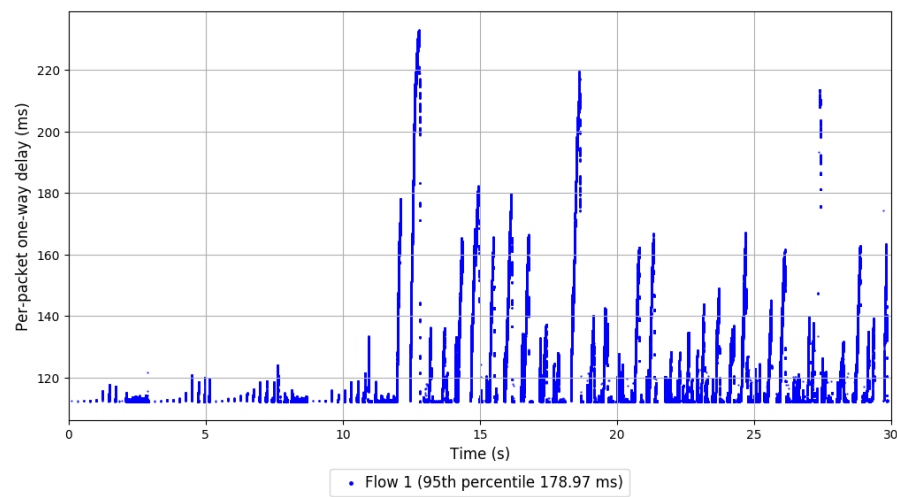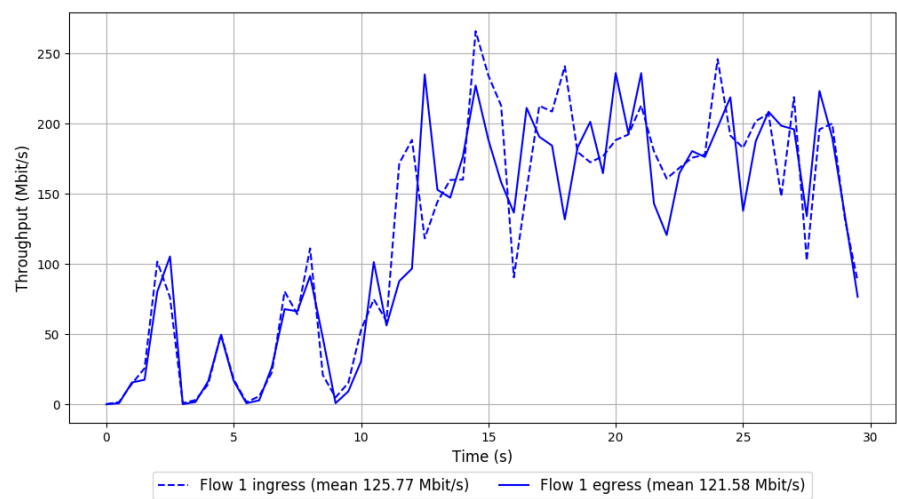
Run 8: Report of Verus — Data Link

Flow 1 ingress (mean 125.77 Mbit/s) ------- Flow 1 egress (mean 121.58 Mbit/s)

• Flow 1 (95th percentile 178.97 ms)

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```
Run 9: Statistics of Verus

Start at: 2017-08-11 08:57:22
End at: 2017-08-11 08:57:52


# Below is generated by plot.py at 2017-08-11 10:28:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 116.648 ms
Loss rate: 32.71%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 116.648 ms
Loss rate: 32.71%
```
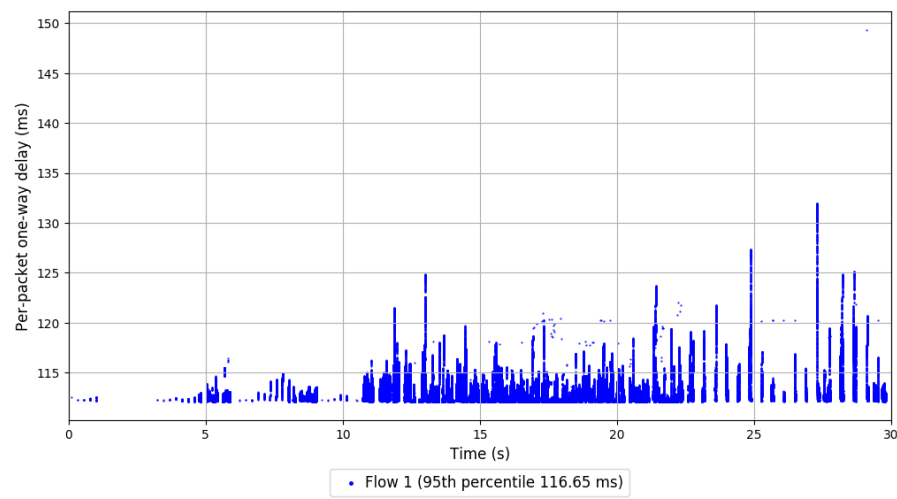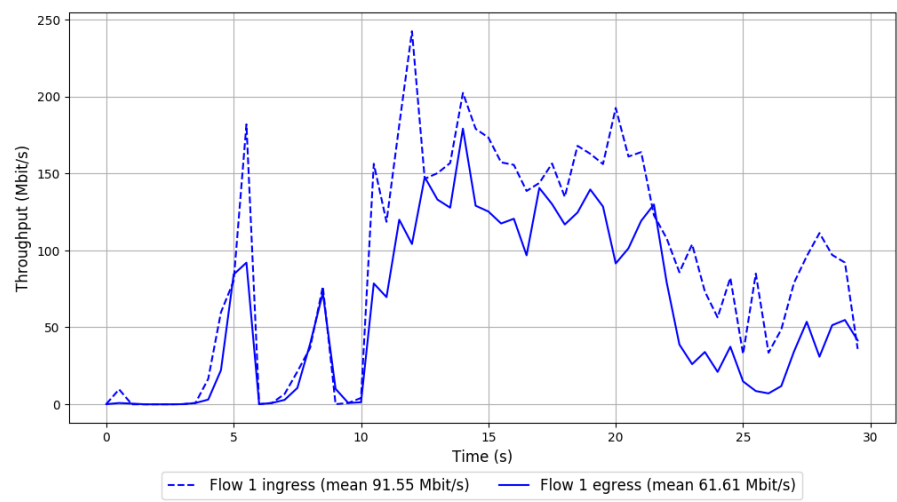
Run 9: Report of Verus — Data Link

```
Run 10: Statistics of Verus

Start at: 2017-08-11 09:09:07
End at: 2017-08-11 09:09:37


# Below is generated by plot.py at 2017-08-11 10:28:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.58 Mbit/s
95th percentile per-packet one-way delay: 136.159 ms
Loss rate: 3.02%
-- Flow 1:
Average throughput: 70.58 Mbit/s
95th percentile per-packet one-way delay: 136.159 ms
Loss rate: 3.02%
```
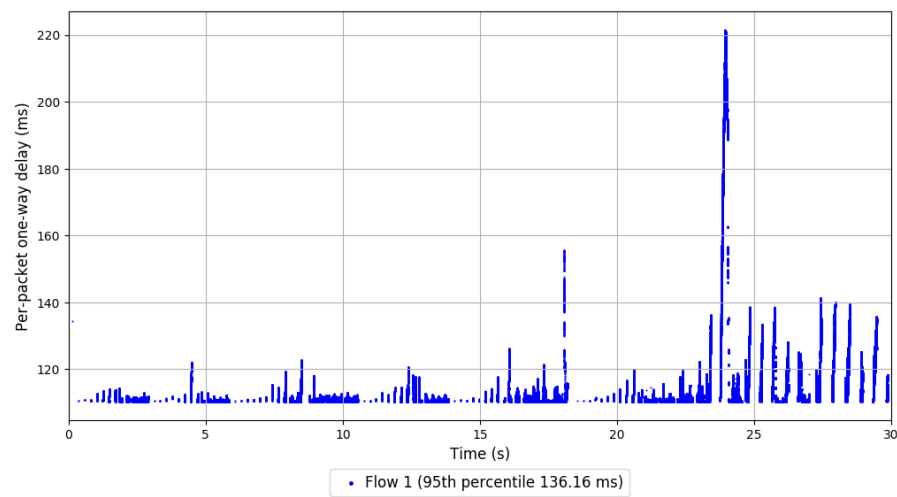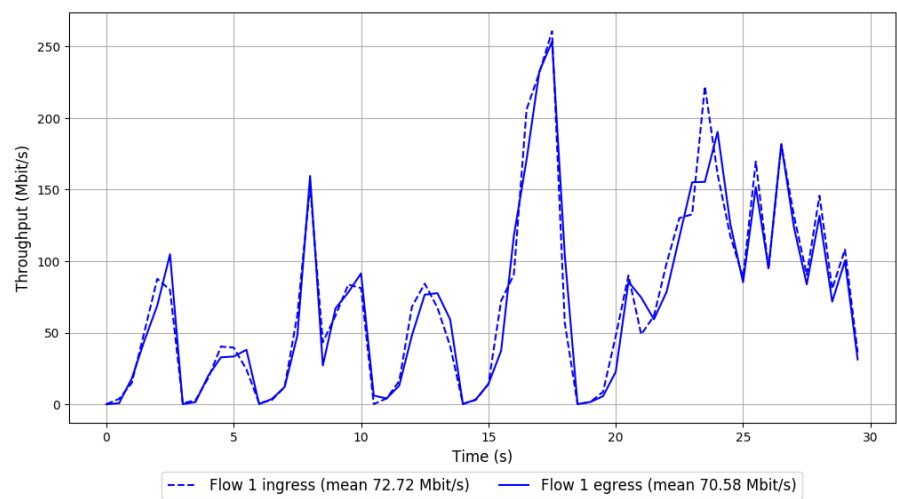
Run 10: Report of Verus — Data Link

```
Run 1: Statistics of WebRTC media

Start at: 2017-08-11 07:30:41
End at: 2017-08-11 07:31:11

# Below is generated by plot.py at 2017-08-11 10:28:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 110.628 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 110.628 ms
Loss rate: 0.00%
```
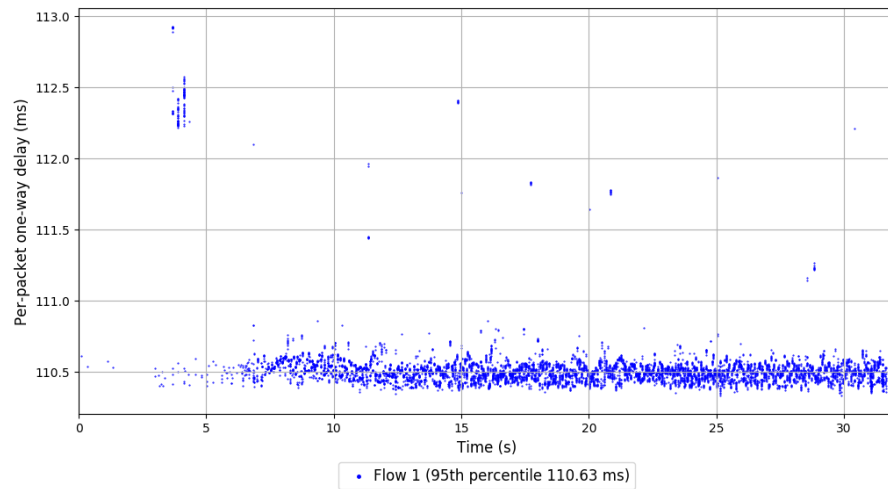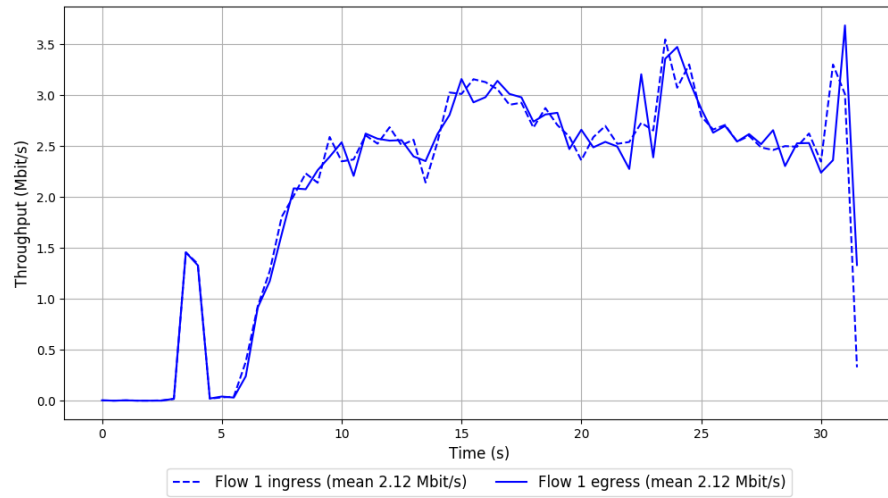
Run 1: Report of WebRTC media — Data Link

```
Run 2: Statistics of WebRTC media

Start at: 2017-08-11 07:42:14
End at: 2017-08-11 07:42:44

# Below is generated by plot.py at 2017-08-11 10:28:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 110.611 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 110.611 ms
Loss rate: 0.00%
```
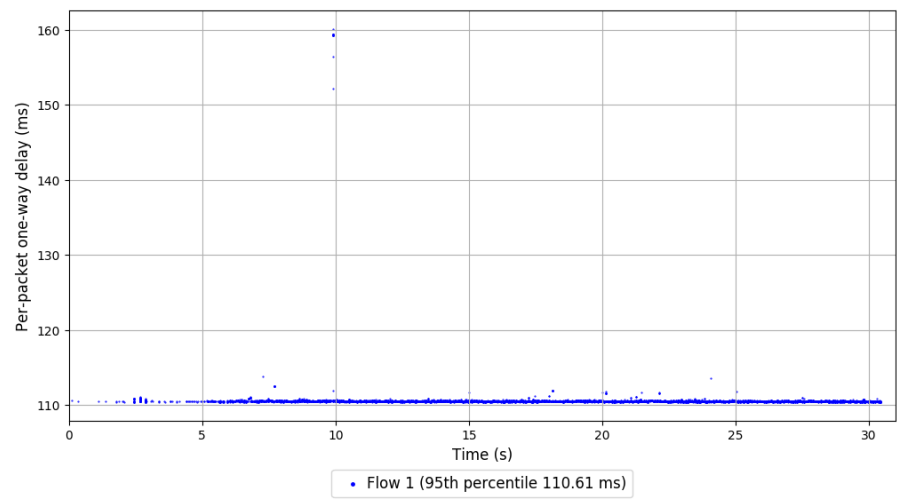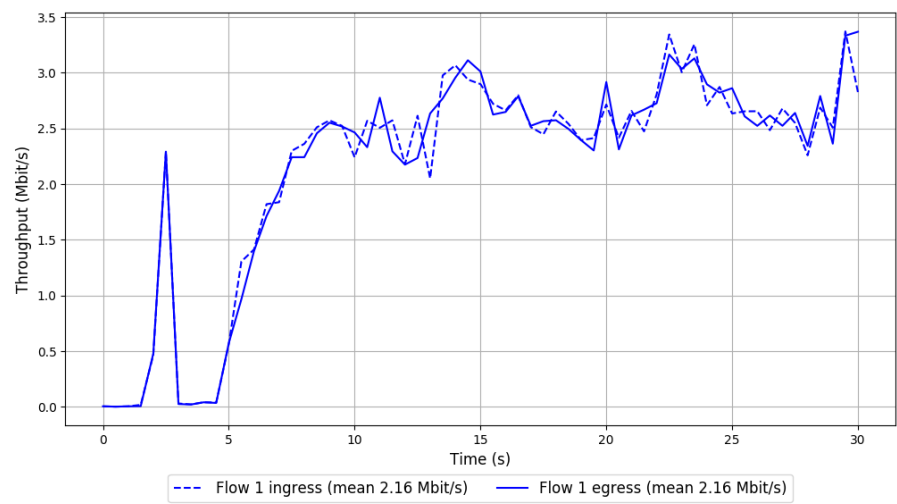
Run 2: Report of WebRTC media — Data Link

```
Run 3: Statistics of WebRTC media

Start at: 2017-08-11 07:53:53
End at: 2017-08-11 07:54:23

# Below is generated by plot.py at 2017-08-11 10:28:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 112.639 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 112.639 ms
Loss rate: 0.00%
```
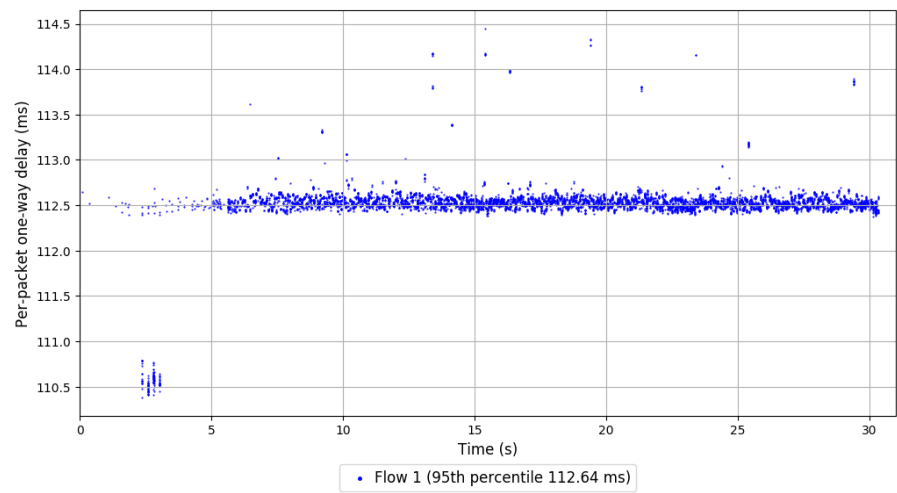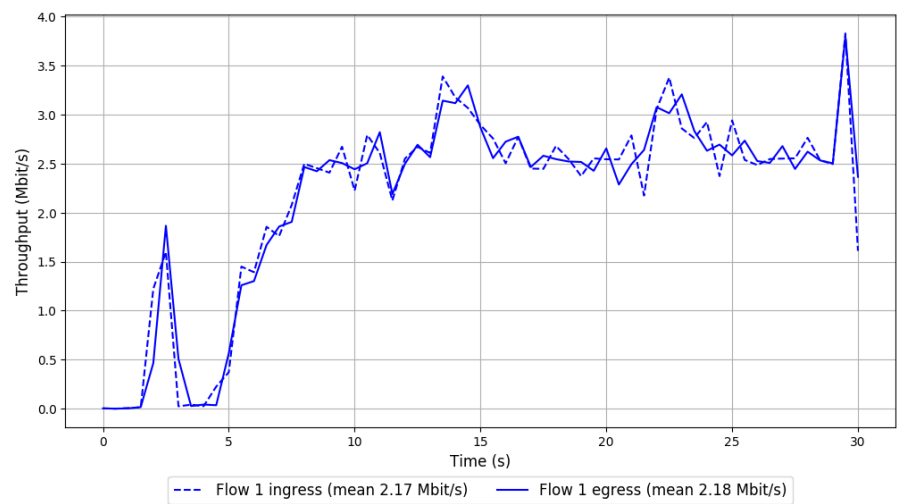
Run 3: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.17 Mbit/s) --- Flow 1 egress (mean 2.18 Mbit/s)

Flow 1 (95th percentile 112.64 ms)

```
Run 4: Statistics of WebRTC media

Start at: 2017-08-11 08:05:10
End at: 2017-08-11 08:05:40

# Below is generated by plot.py at 2017-08-11 10:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 112.168 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 112.168 ms
Loss rate: 0.00%
```
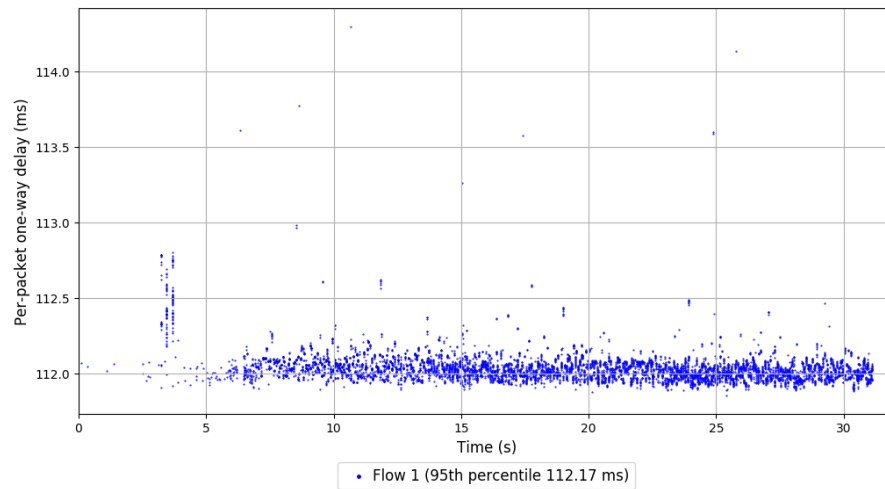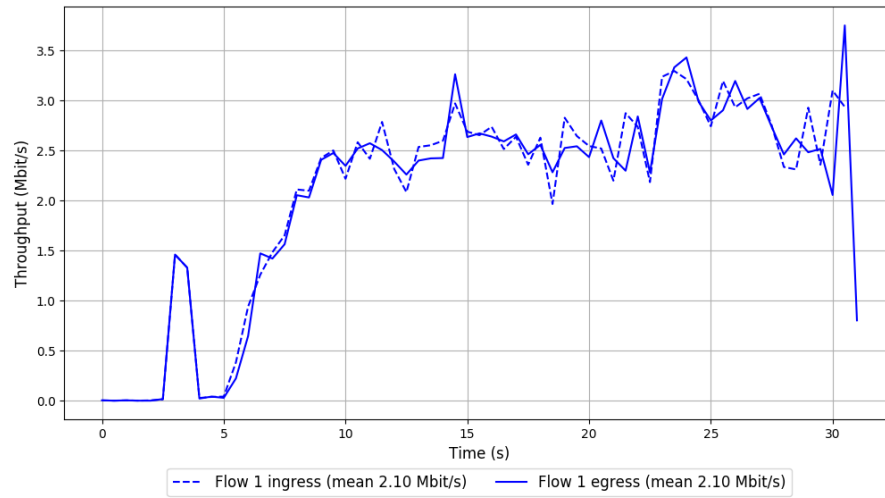
Run 4: Report of WebRTC media — Data Link

```
Run 5: Statistics of WebRTC media

Start at: 2017-08-11 08:16:11
End at: 2017-08-11 08:16:41

# Below is generated by plot.py at 2017-08-11 10:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 112.598 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 112.598 ms
Loss rate: 0.00%
```
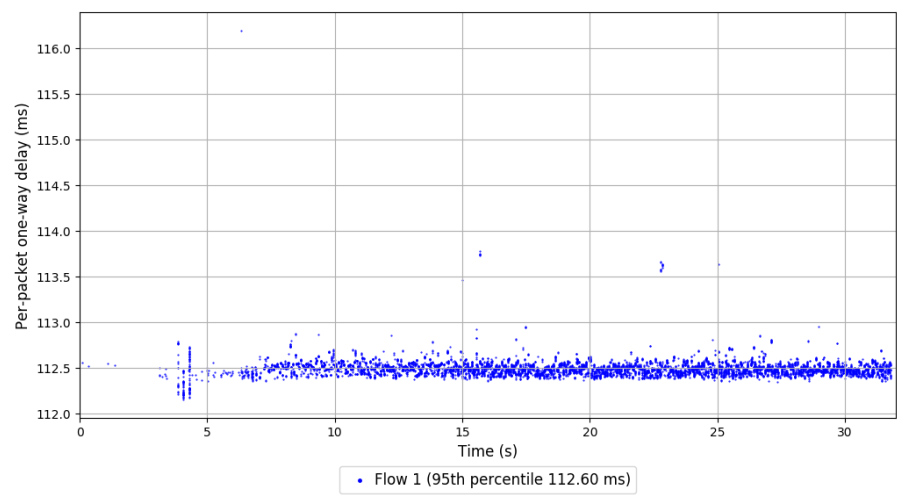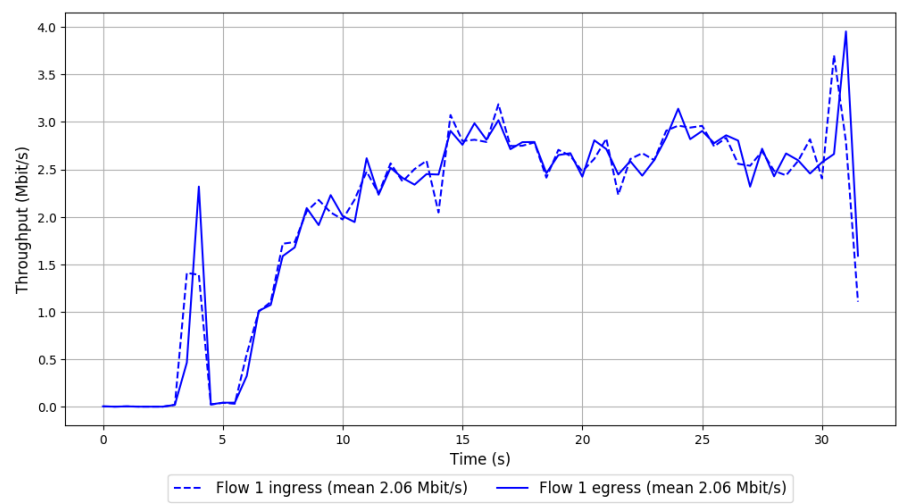
Run 5: Report of WebRTC media — Data Link

```
Run 6: Statistics of WebRTC media

Start at: 2017-08-11 08:26:59
End at: 2017-08-11 08:27:29

# Below is generated by plot.py at 2017-08-11 10:29:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 112.676 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 112.676 ms
Loss rate: 0.00%
```
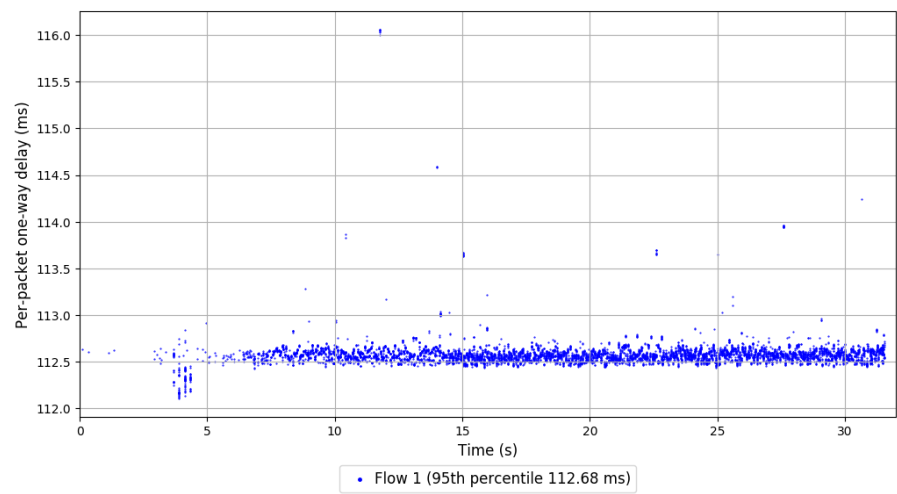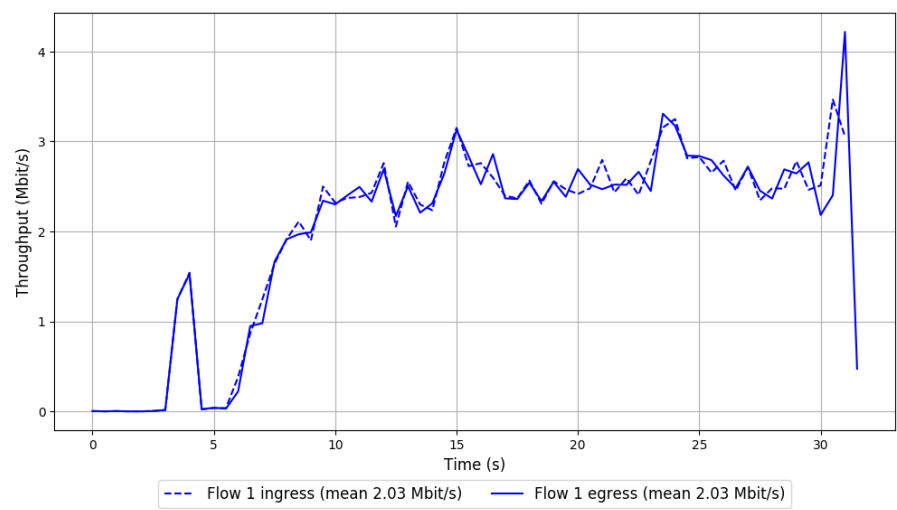
Run 6: Report of WebRTC media — Data Link

```
Run 7: Statistics of WebRTC media

Start at: 2017-08-11 08:38:15
End at: 2017-08-11 08:38:45

# Below is generated by plot.py at 2017-08-11 10:29:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 110.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 110.328 ms
Loss rate: 0.00%
```
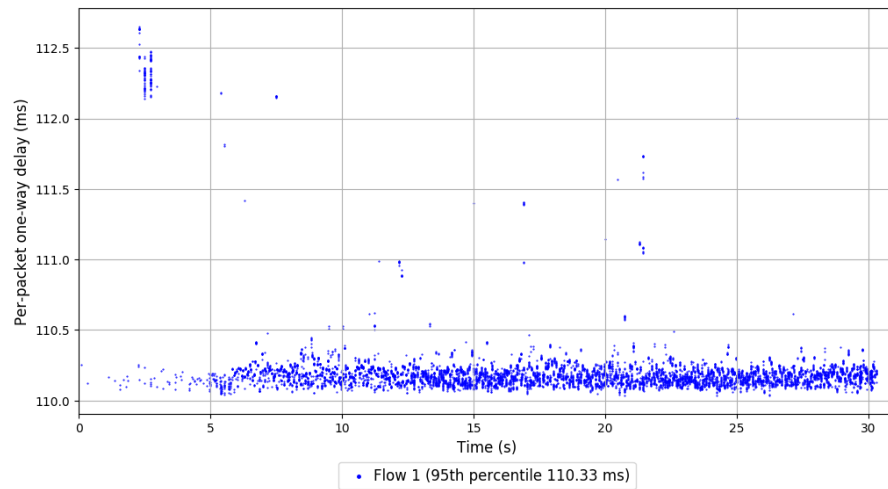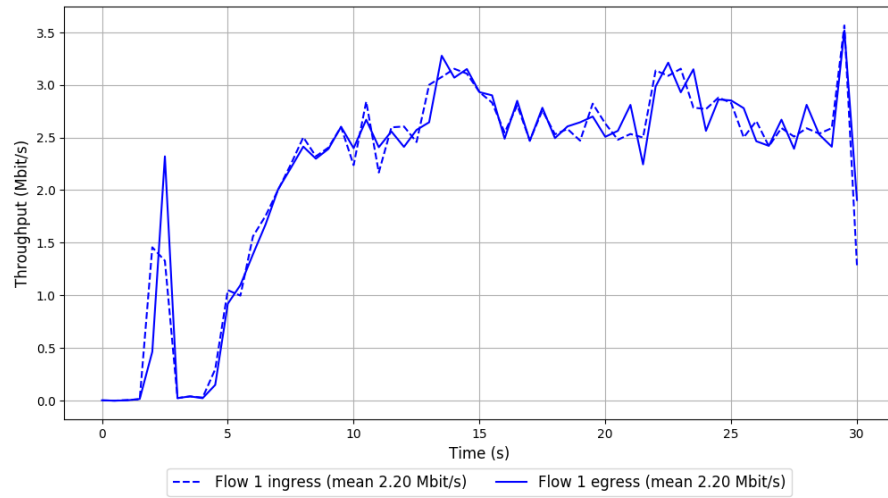
Run 7: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.20 Mbit/s)   Flow 1 egress (mean 2.20 Mbit/s)

Flow 1 (95th percentile 110.33 ms)

```
Run 8: Statistics of WebRTC media

Start at: 2017-08-11 08:49:15
End at: 2017-08-11 08:49:45

# Below is generated by plot.py at 2017-08-11 10:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 110.319 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.12 Mbit/s
95th percentile per-packet one-way delay: 110.319 ms
Loss rate: 0.00%
```
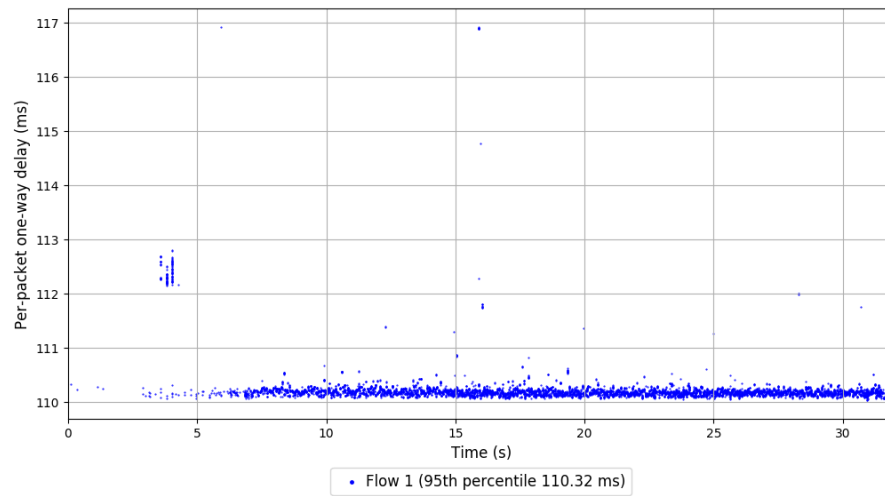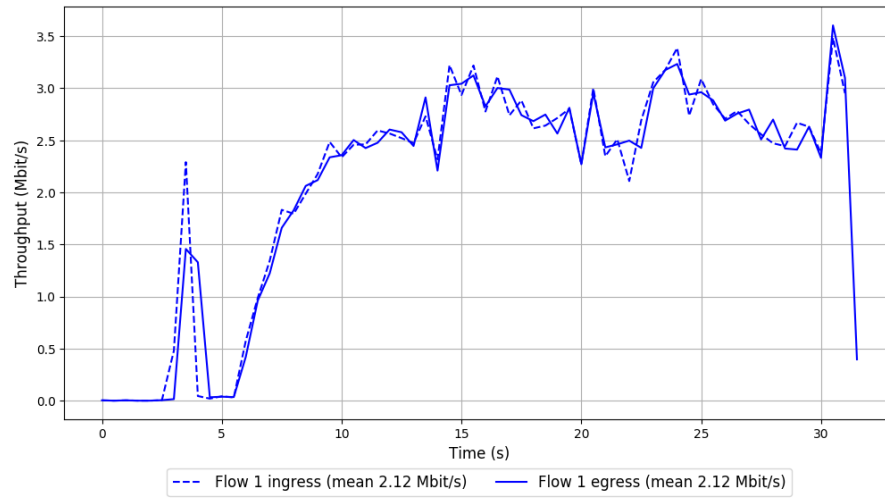
Run 8: Report of WebRTC media — Data Link

Flow 1 ingress (mean 2.12 Mbit/s) — Flow 1 egress (mean 2.12 Mbit/s)

• Flow 1 (95th percentile 110.32 ms)

```
Run 9: Statistics of WebRTC media

Start at: 2017-08-11 09:00:52
End at: 2017-08-11 09:01:22

# Below is generated by plot.py at 2017-08-11 10:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 112.455 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.10 Mbit/s
95th percentile per-packet one-way delay: 112.455 ms
Loss rate: 0.00%
```
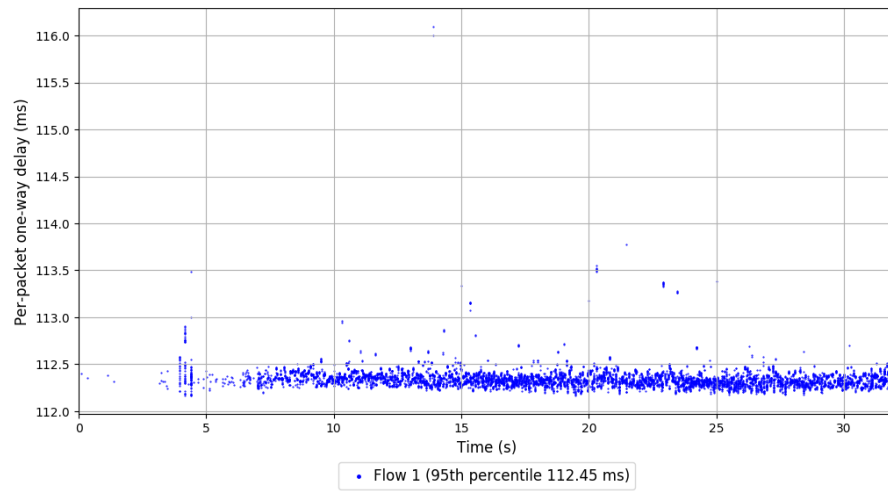
Run 9: Report of WebRTC media — Data Link

```
Run 10: Statistics of WebRTC media

Start at: 2017-08-11 09:12:10
End at: 2017-08-11 09:12:40

# Below is generated by plot.py at 2017-08-11 10:29:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 112.568 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 112.568 ms
Loss rate: 0.00%
```
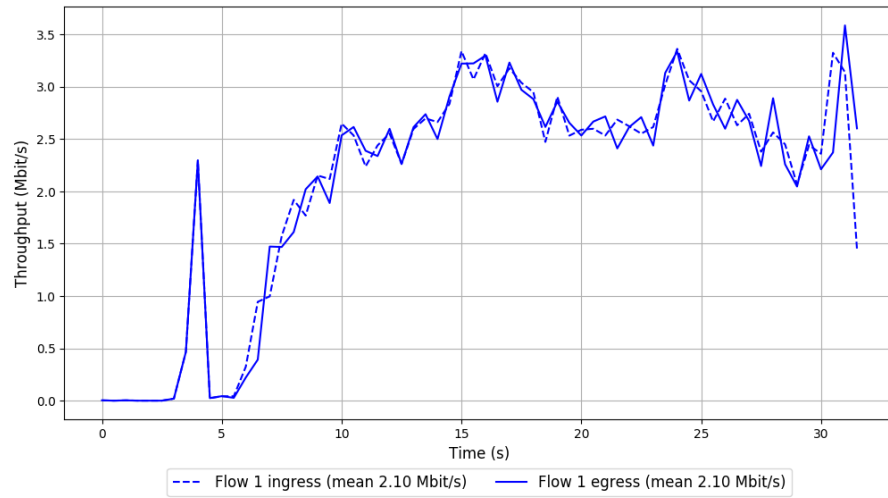
Run 10: Report of WebRTC media — Data Link