

Pantheon Summary (Generated at Mon, 17 Jul 2017 01:43:17 +0000 with pantheon version d7b3554d9e52d3442ab19bc1e1c71f4629d4a0ac)

Repeated the test of 15 congestion control schemes 10 times.

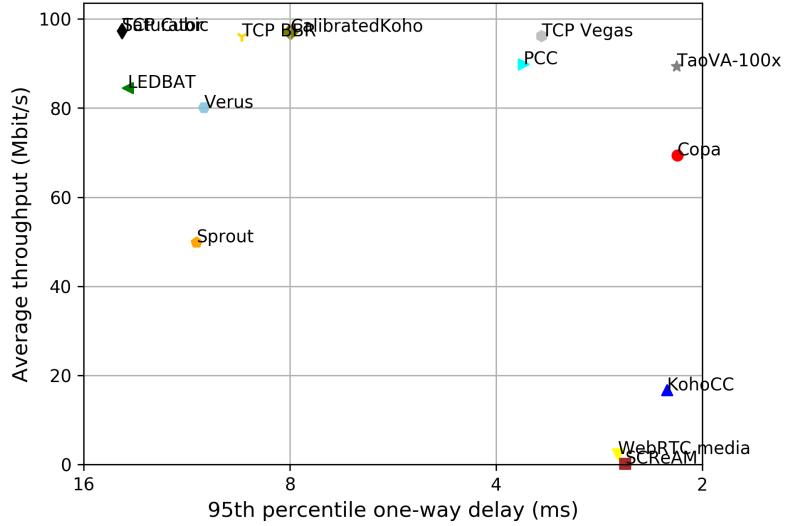
Each test lasted for 30 seconds running 1 flow.

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

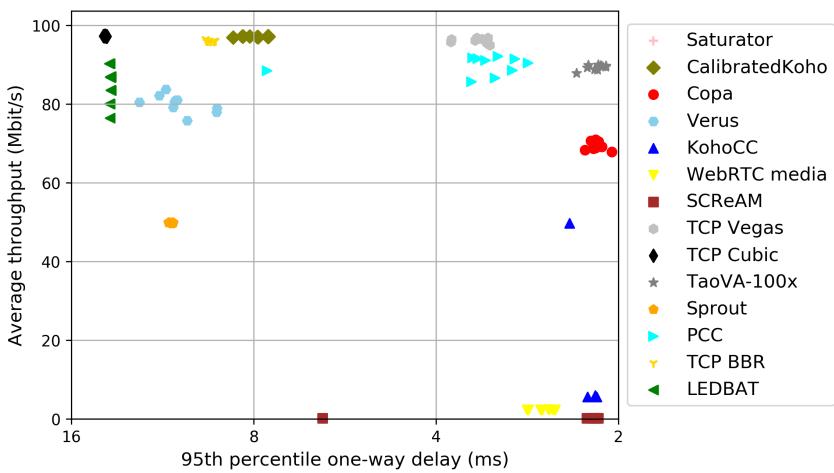
NTP offset measured against gps.ntp.br and has been applied to correct the timestamps in logs.

```
git branch: master @ d7b3554d9e52d3442ab19bc1e1c71f4629d4a0ac
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
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 Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme



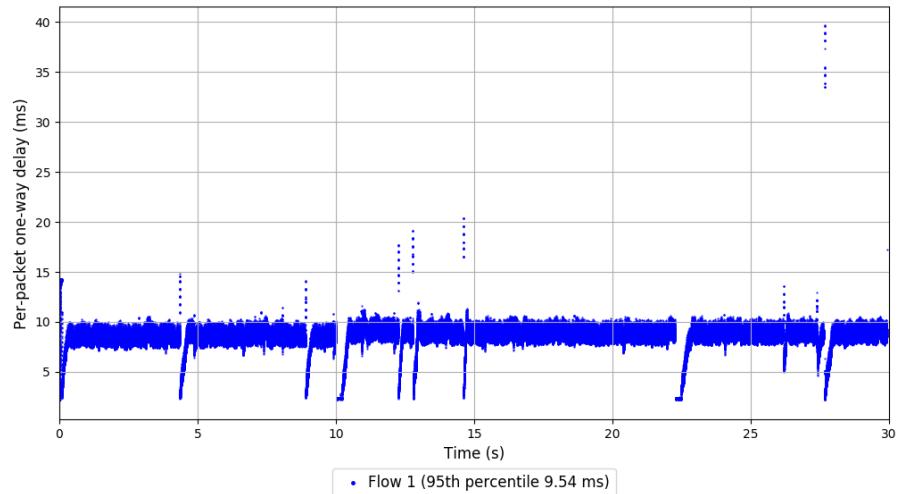
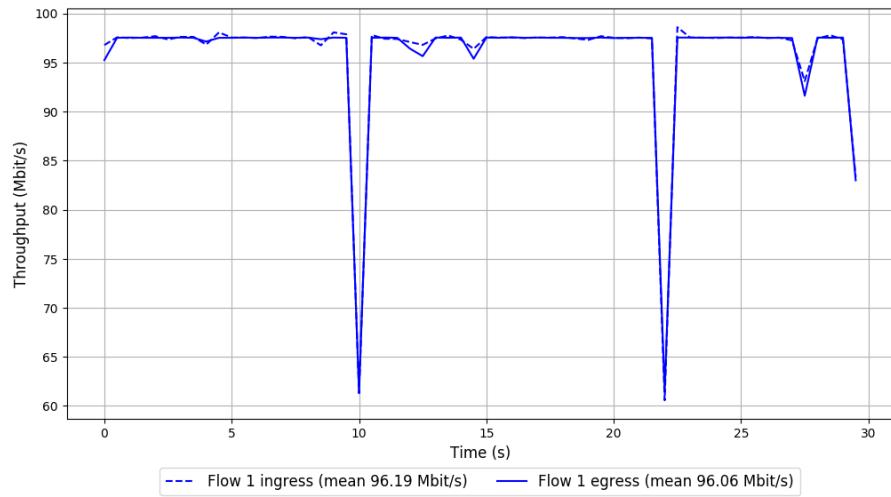
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	96.08	9.41	0.14
CalibratedKoho	10	97.15	7.99	0.13
Copa	10	69.38	2.18	0.01
TCP Cubic	10	97.33	14.08	0.17
KohoCC	10	16.73	2.25	0.01
LEDBAT	10	84.51	13.80	0.20
PCC	10	89.84	3.65	0.18
QUIC Cubic	10	nan	nan	nan
Saturator	10	97.27	14.10	0.25
SCReAM	10	0.22	2.59	0.00
Sprout	10	49.88	10.96	0.10
TaoVA-100x	10	89.33	2.18	0.17
TCP Vegas	10	96.15	3.44	0.02
Verus	10	80.12	10.68	0.17
WebRTC media	10	2.38	2.66	0.01

Run 1: Statistics of TCP BBR

```
Start at: Sun, 16 Jul 2017 22:07:22 +0000
End at: Sun, 16 Jul 2017 22:07:53 +0000
Local clock offset: -3.26 ms
Remote clock offset: 1.254 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:30:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 9.535 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.06 Mbit/s
95th percentile per-packet one-way delay: 9.535 ms
Loss rate: 0.12%
```

Run 1: Report of TCP BBR — Data Link

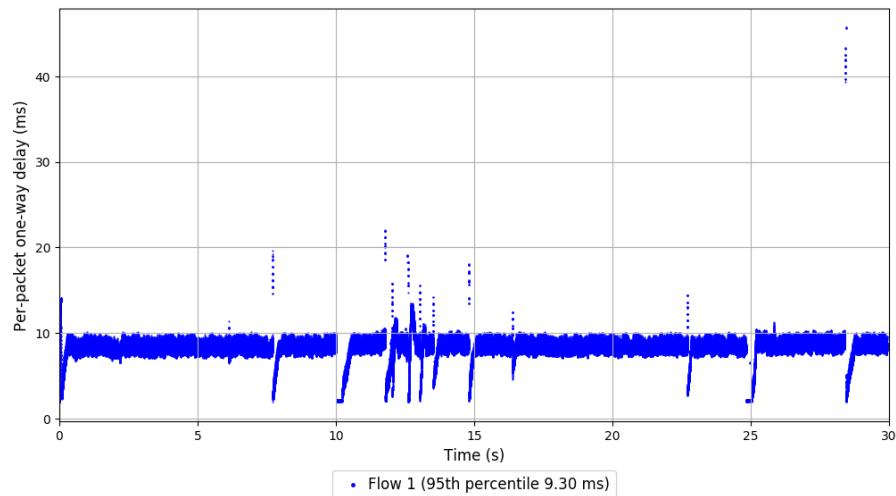
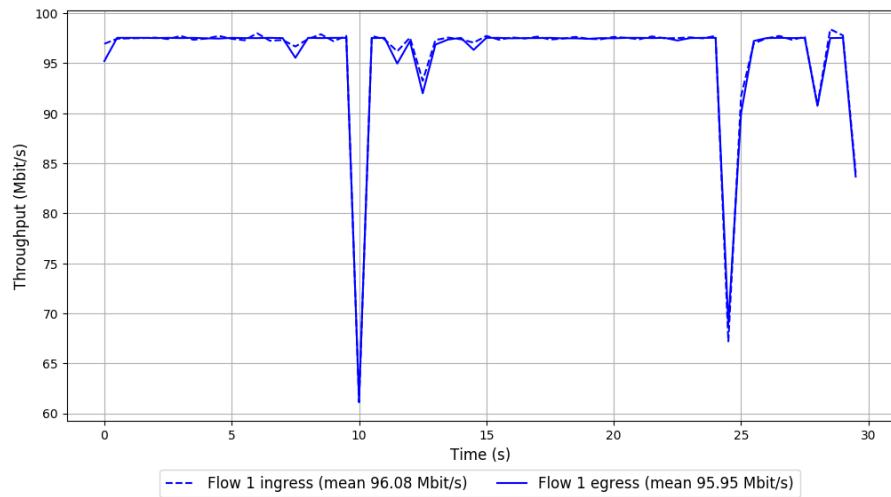


Run 2: Statistics of TCP BBR

```
Start at: Sun, 16 Jul 2017 22:24:21 +0000
End at: Sun, 16 Jul 2017 22:24:51 +0000
Local clock offset: -3.438 ms
Remote clock offset: 1.447 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:30:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 9.305 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 95.95 Mbit/s
95th percentile per-packet one-way delay: 9.305 ms
Loss rate: 0.15%
```

Run 2: Report of TCP BBR — Data Link

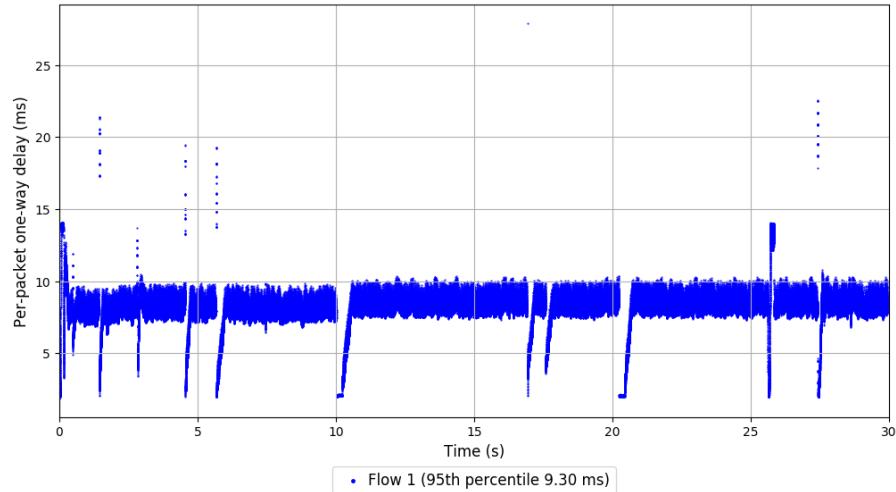
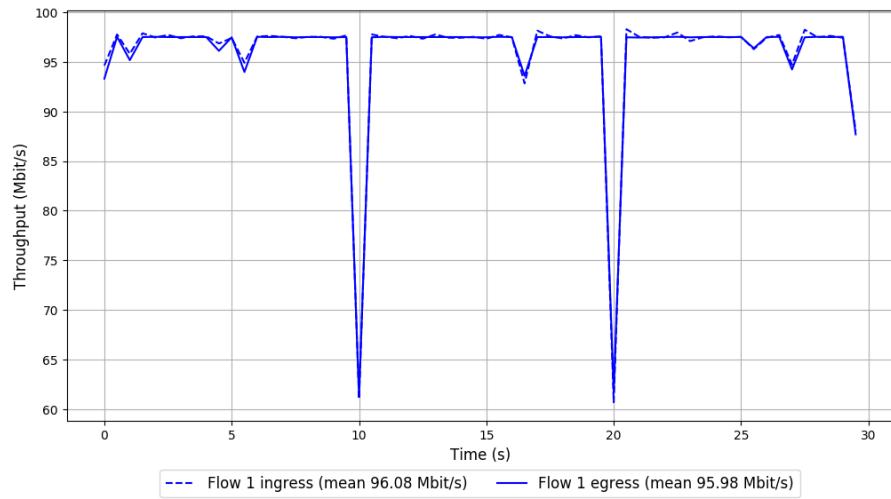


Run 3: Statistics of TCP BBR

```
Start at: Sun, 16 Jul 2017 22:41:13 +0000
End at: Sun, 16 Jul 2017 22:41:43 +0000
Local clock offset: -3.496 ms
Remote clock offset: 1.094 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:30:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 9.301 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 9.301 ms
Loss rate: 0.11%
```

Run 3: Report of TCP BBR — Data Link

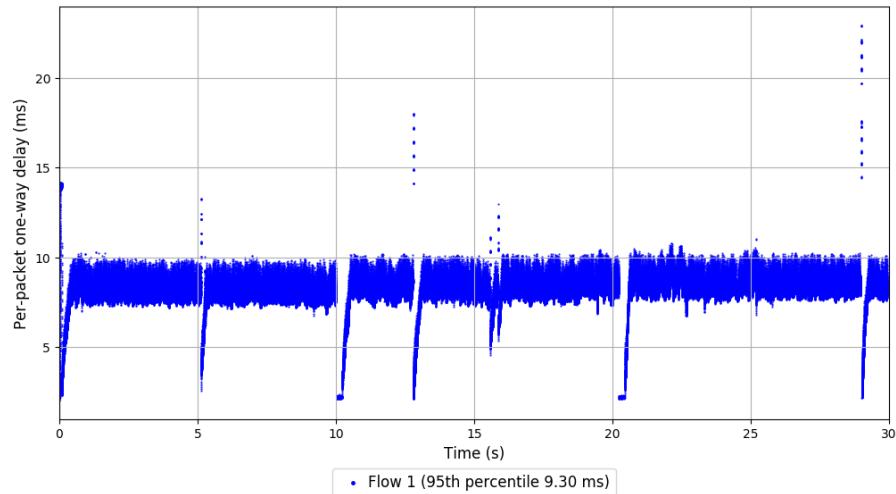
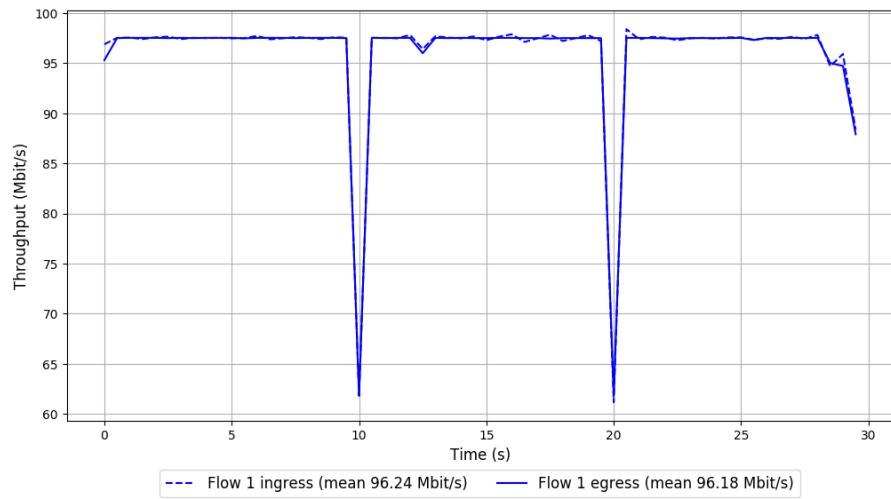


Run 4: Statistics of TCP BBR

```
Start at: Sun, 16 Jul 2017 22:58:16 +0000
End at: Sun, 16 Jul 2017 22:58:46 +0000
Local clock offset: -3.627 ms
Remote clock offset: 0.683 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:30:54 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 9.302 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.18 Mbit/s
95th percentile per-packet one-way delay: 9.302 ms
Loss rate: 0.08%
```

Run 4: Report of TCP BBR — Data Link

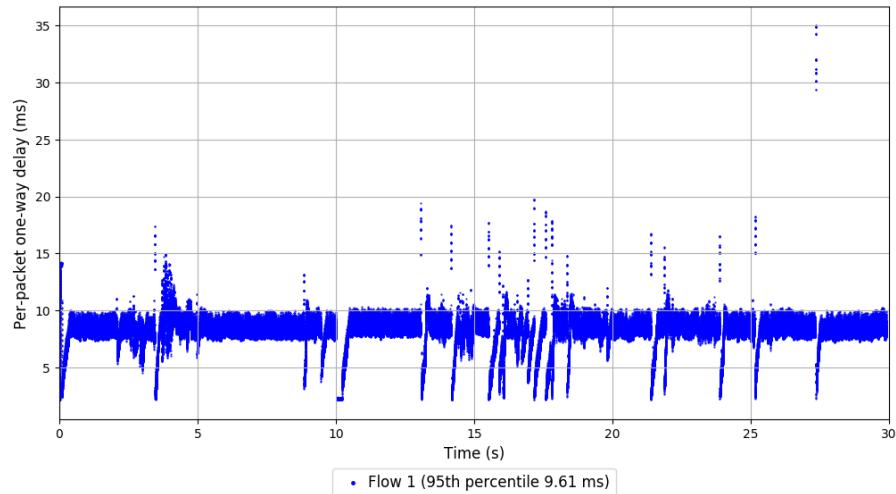
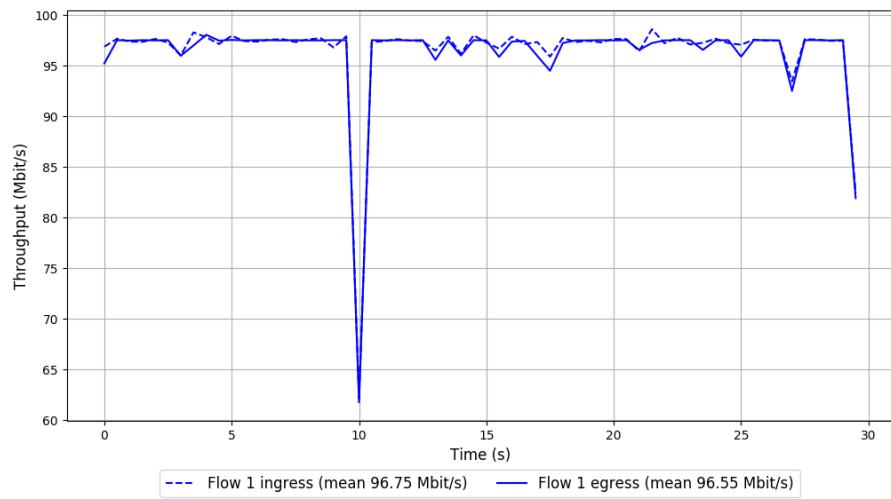


Run 5: Statistics of TCP BBR

```
Start at: Sun, 16 Jul 2017 23:15:15 +0000
End at: Sun, 16 Jul 2017 23:15:45 +0000
Local clock offset: -3.714 ms
Remote clock offset: 1.129 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:31:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 9.609 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 9.609 ms
Loss rate: 0.21%
```

Run 5: Report of TCP BBR — Data Link

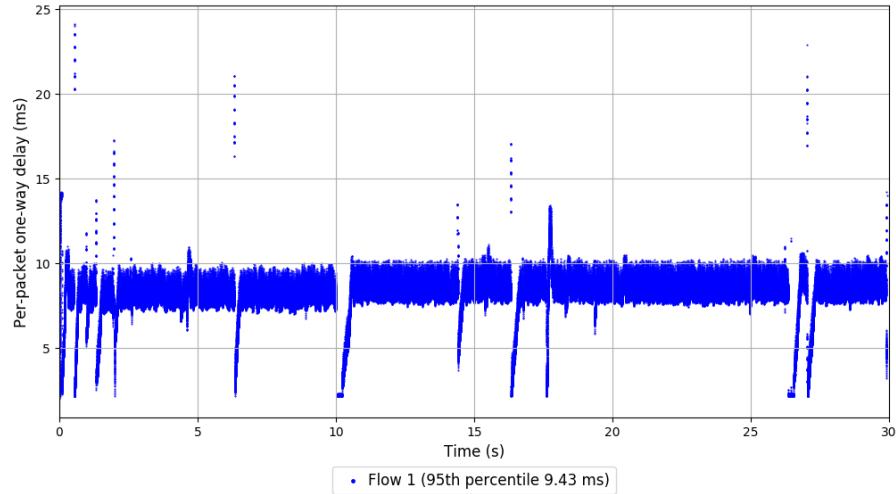
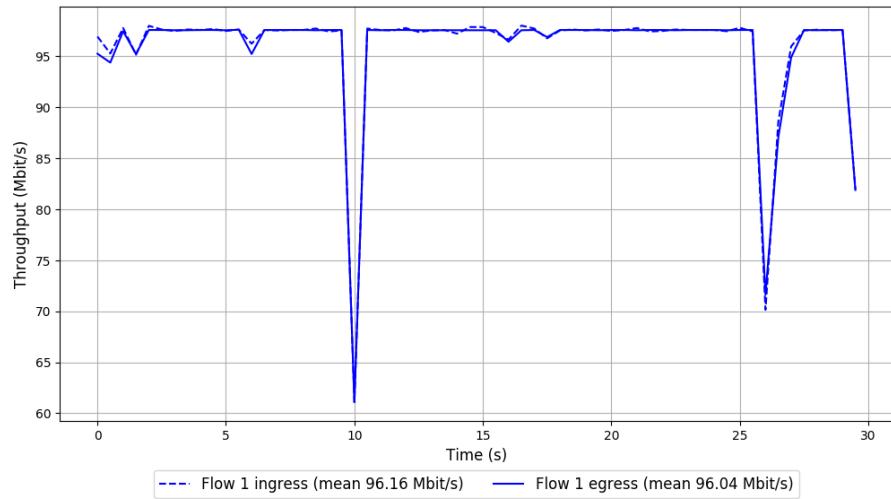


Run 6: Statistics of TCP BBR

```
Start at: Sun, 16 Jul 2017 23:32:13 +0000
End at: Sun, 16 Jul 2017 23:32:43 +0000
Local clock offset: -3.936 ms
Remote clock offset: 0.983 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:31:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 9.429 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 9.429 ms
Loss rate: 0.11%
```

Run 6: Report of TCP BBR — Data Link

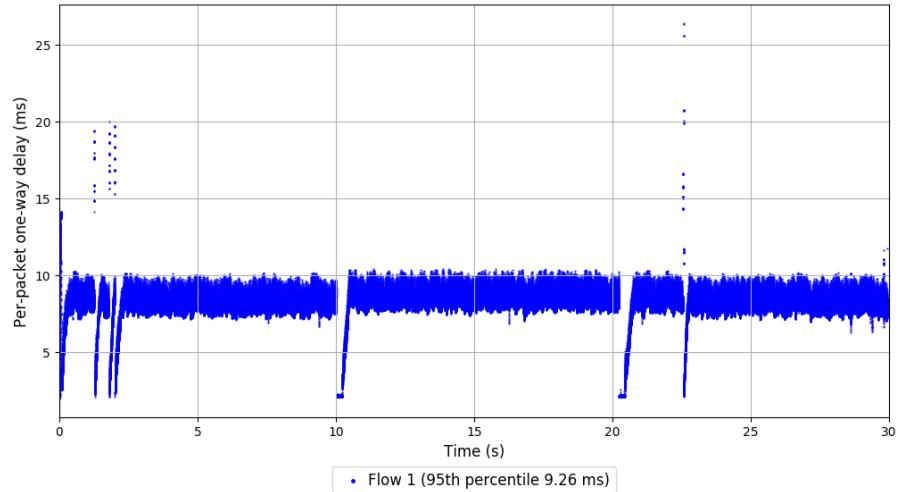
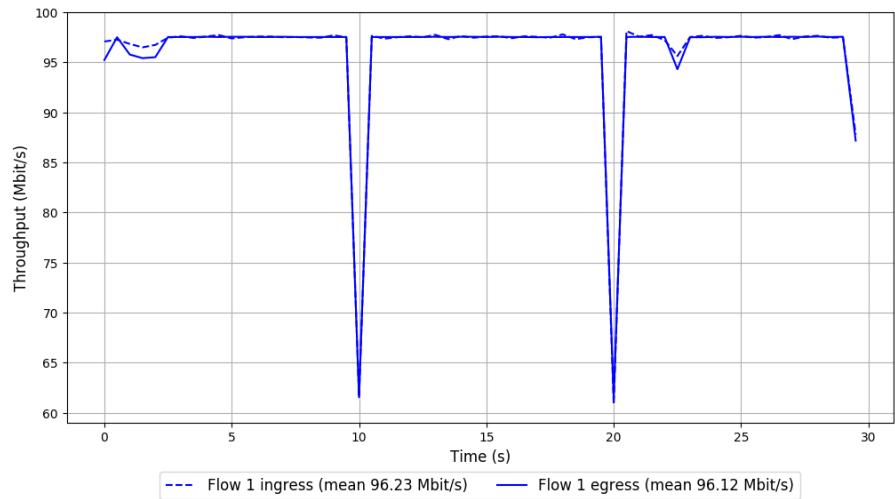


Run 7: Statistics of TCP BBR

```
Start at: Sun, 16 Jul 2017 23:49:11 +0000
End at: Sun, 16 Jul 2017 23:49:41 +0000
Local clock offset: -4.193 ms
Remote clock offset: 0.506 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:31:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 9.256 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 96.12 Mbit/s
95th percentile per-packet one-way delay: 9.256 ms
Loss rate: 0.12%
```

Run 7: Report of TCP BBR — Data Link

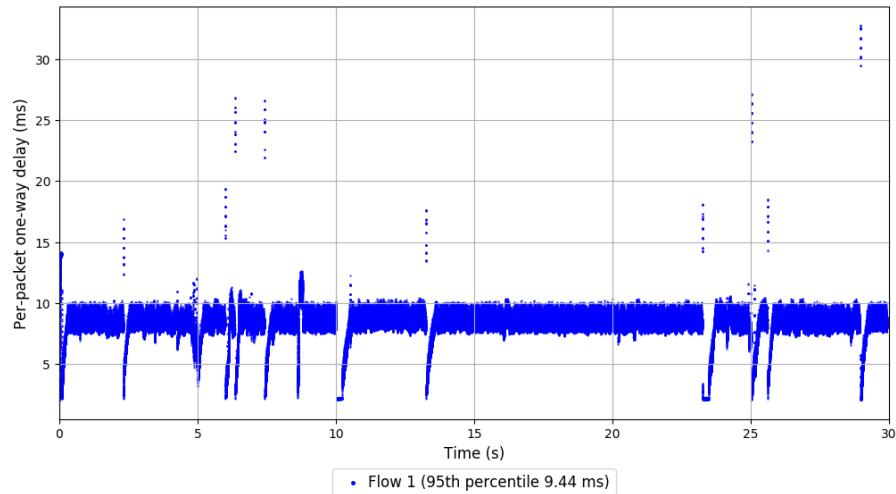
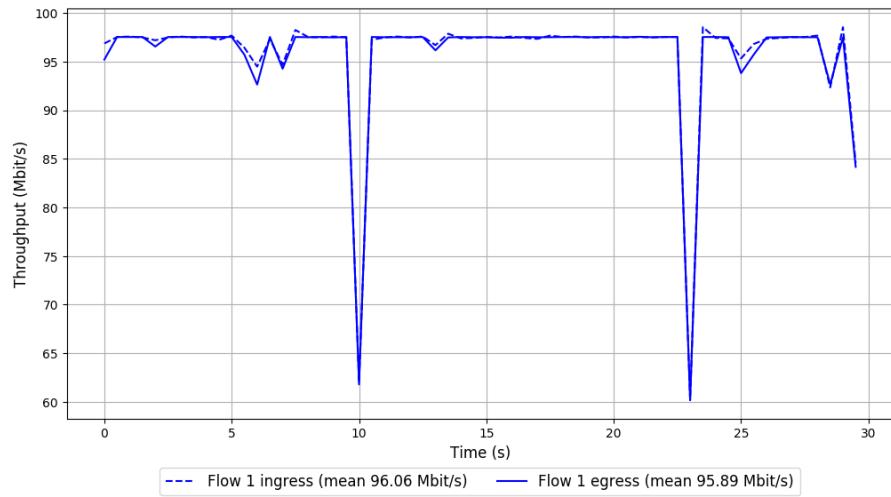


Run 8: Statistics of TCP BBR

```
Start at: Mon, 17 Jul 2017 00:06:10 +0000
End at: Mon, 17 Jul 2017 00:06:40 +0000
Local clock offset: -4.457 ms
Remote clock offset: -0.264 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:31:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 9.435 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 9.435 ms
Loss rate: 0.19%
```

Run 8: Report of TCP BBR — Data Link

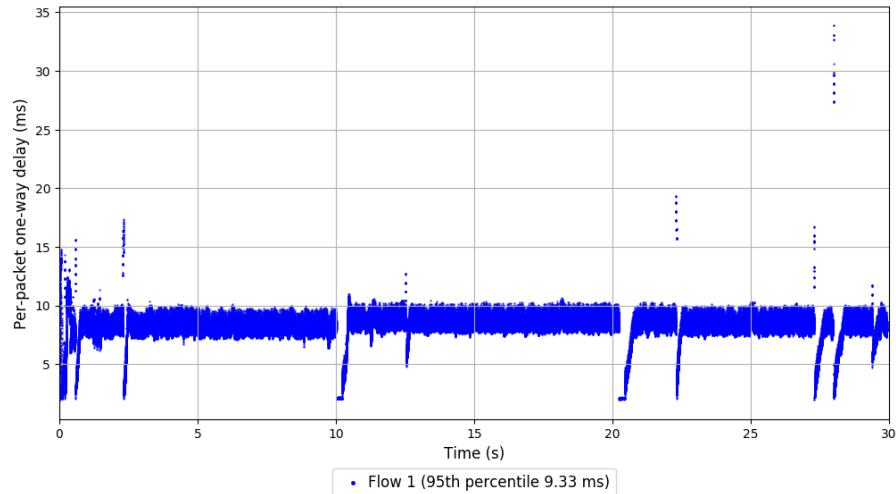
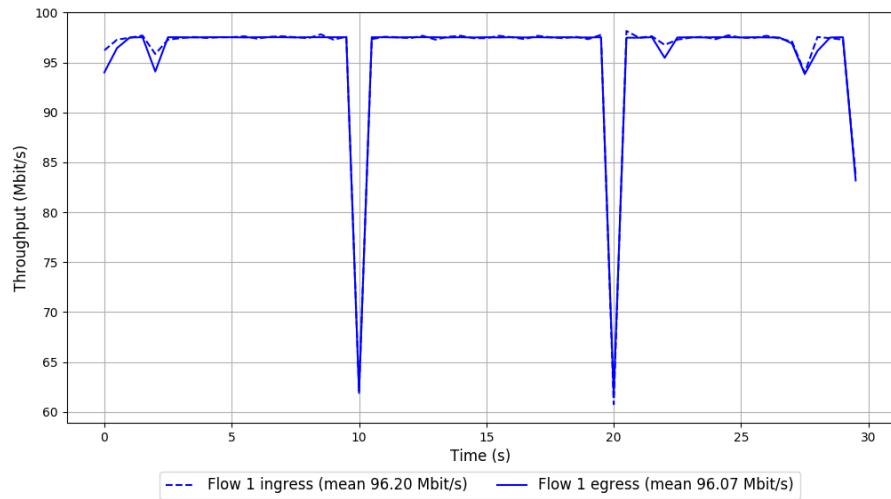


Run 9: Statistics of TCP BBR

```
Start at: Mon, 17 Jul 2017 00:23:08 +0000
End at: Mon, 17 Jul 2017 00:23:38 +0000
Local clock offset: -4.38 ms
Remote clock offset: -0.569 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:31:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 9.332 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 96.07 Mbit/s
95th percentile per-packet one-way delay: 9.332 ms
Loss rate: 0.14%
```

Run 9: Report of TCP BBR — Data Link

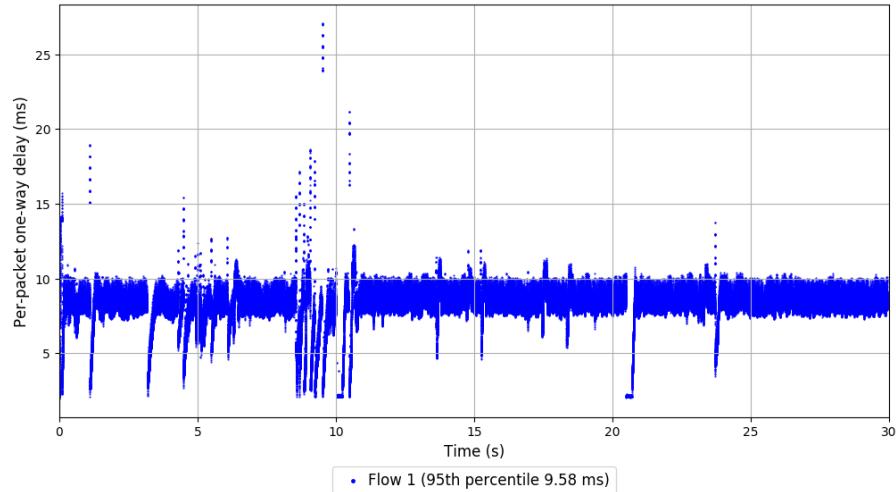
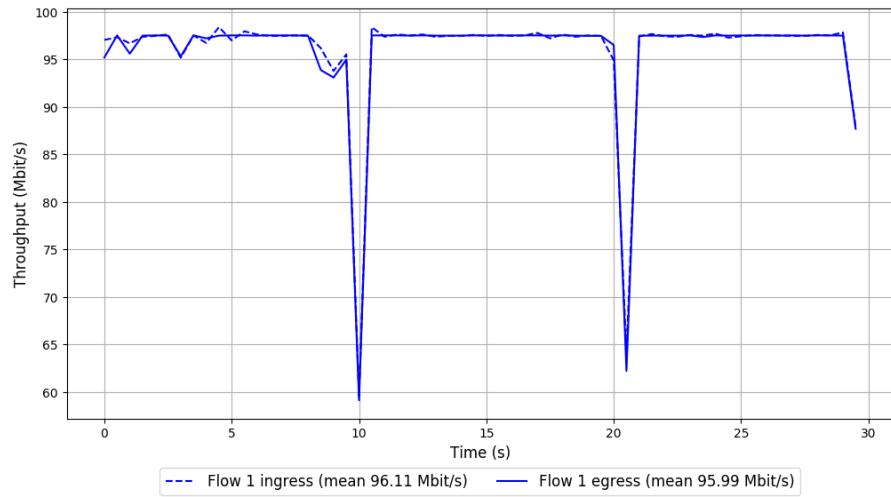


Run 10: Statistics of TCP BBR

```
Start at: Mon, 17 Jul 2017 00:40:06 +0000
End at: Mon, 17 Jul 2017 00:40:36 +0000
Local clock offset: -3.67 ms
Remote clock offset: -0.815 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:31:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 9.579 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 95.99 Mbit/s
95th percentile per-packet one-way delay: 9.579 ms
Loss rate: 0.15%
```

Run 10: Report of TCP BBR — Data Link



```
Run 1: Statistics of CalibratedKoho
```

```
Start at: Sun, 16 Jul 2017 21:57:12 +0000
```

```
End at: Sun, 16 Jul 2017 21:57:42 +0000
```

```
Local clock offset: -3.436 ms
```

```
Remote clock offset: 1.356 ms
```

```
# Below is generated by plot.py at Mon, 17 Jul 2017 01:31:46 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 97.11 Mbit/s
```

```
95th percentile per-packet one-way delay: 7.563 ms
```

```
Loss rate: 0.12%
```

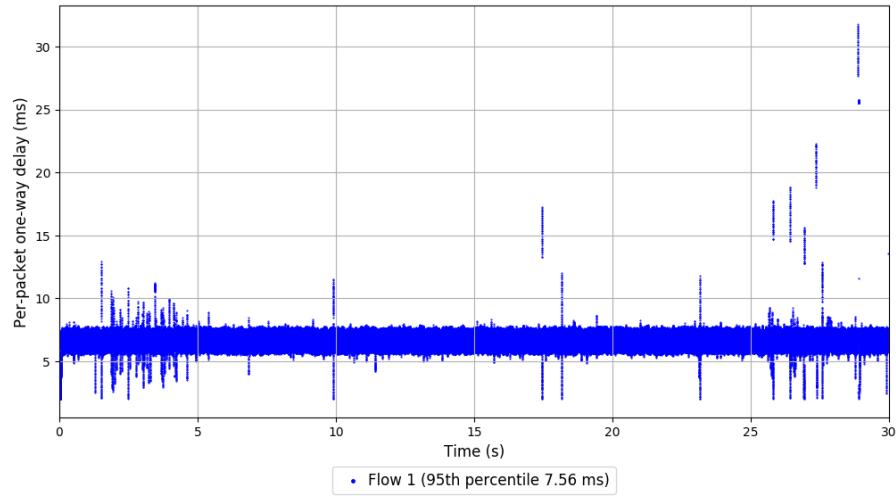
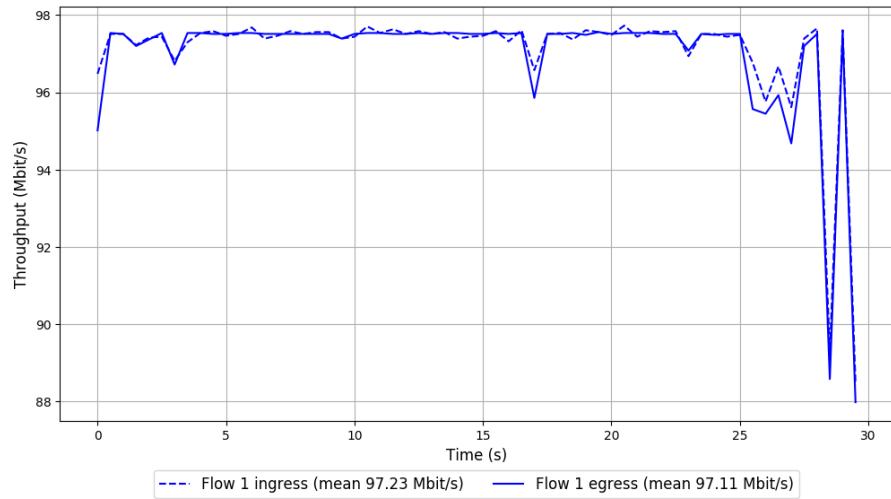
```
-- Flow 1:
```

```
Average throughput: 97.11 Mbit/s
```

```
95th percentile per-packet one-way delay: 7.563 ms
```

```
Loss rate: 0.12%
```

Run 1: Report of CalibratedKoho — Data Link



```
Run 2: Statistics of CalibratedKoho
```

```
Start at: Sun, 16 Jul 2017 22:14:10 +0000
```

```
End at: Sun, 16 Jul 2017 22:14:40 +0000
```

```
Local clock offset: -3.397 ms
```

```
Remote clock offset: 1.371 ms
```

```
# Below is generated by plot.py at Mon, 17 Jul 2017 01:31:47 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 97.29 Mbit/s
```

```
95th percentile per-packet one-way delay: 7.583 ms
```

```
Loss rate: 0.10%
```

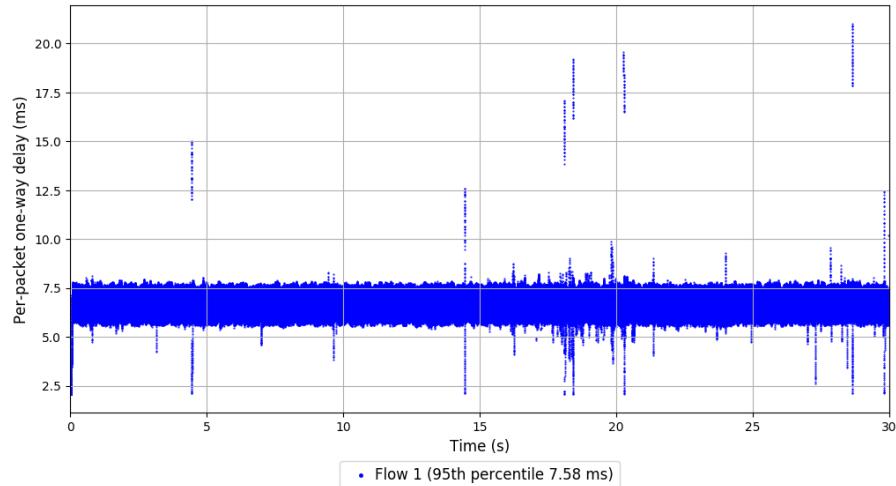
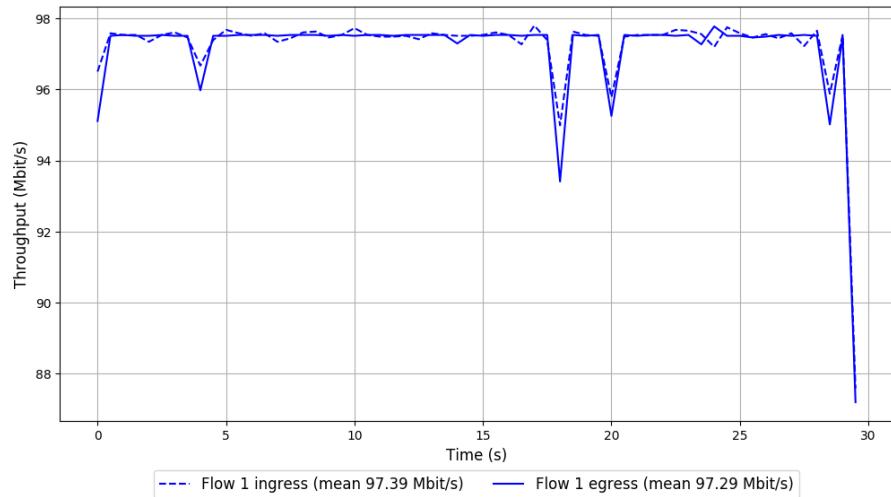
```
-- Flow 1:
```

```
Average throughput: 97.29 Mbit/s
```

```
95th percentile per-packet one-way delay: 7.583 ms
```

```
Loss rate: 0.10%
```

Run 2: Report of CalibratedKoho — Data Link

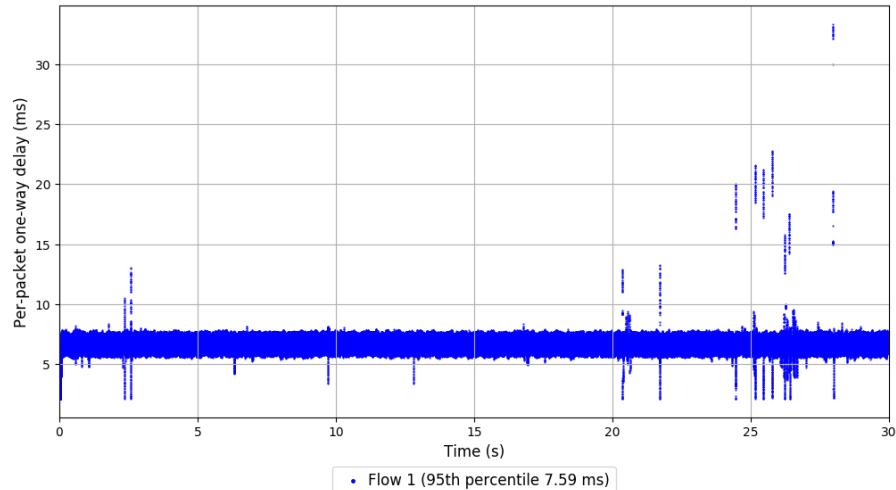
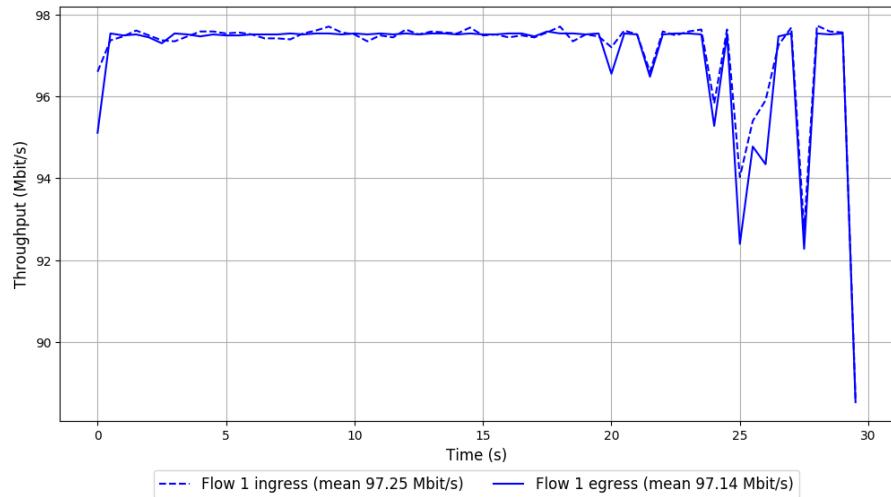


```
Run 3: Statistics of CalibratedKoho
```

```
Start at: Sun, 16 Jul 2017 22:31:09 +0000
End at: Sun, 16 Jul 2017 22:31:39 +0000
Local clock offset: -3.391 ms
Remote clock offset: 1.361 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:31:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 7.591 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 7.591 ms
Loss rate: 0.13%
```

Run 3: Report of CalibratedKoho — Data Link

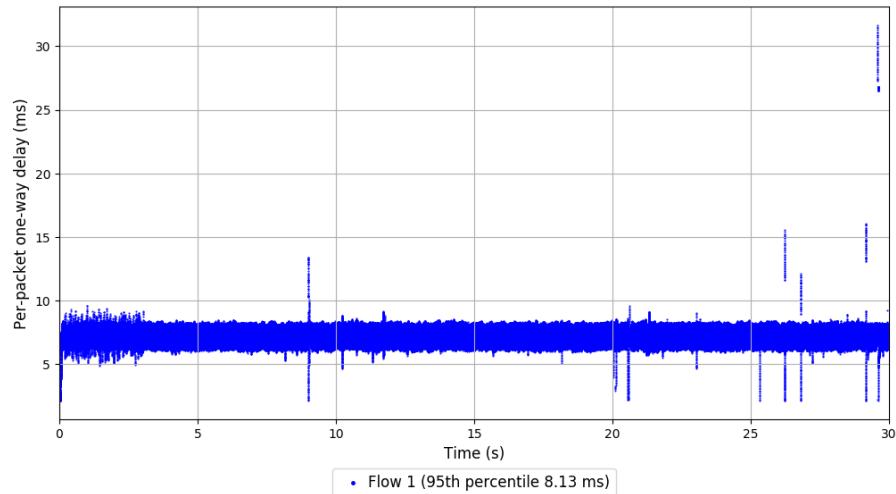
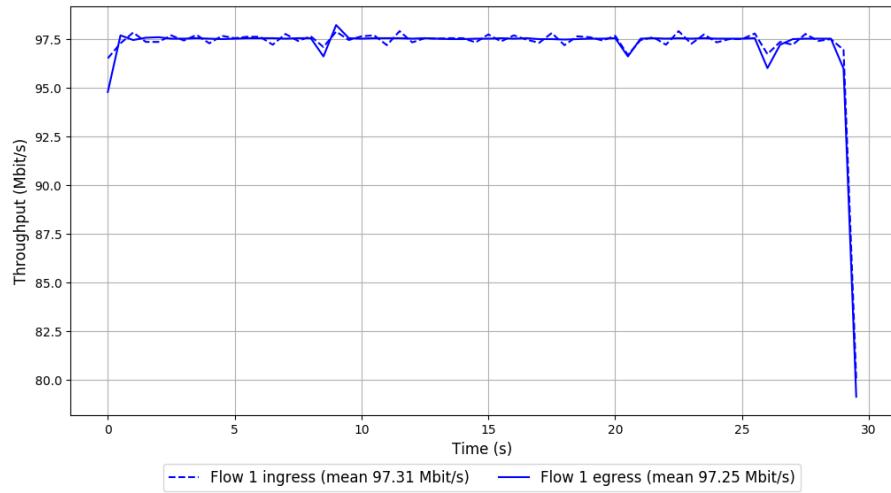


```
Run 4: Statistics of CalibratedKoho
```

```
Start at: Sun, 16 Jul 2017 22:48:01 +0000
End at: Sun, 16 Jul 2017 22:48:31 +0000
Local clock offset: -3.457 ms
Remote clock offset: 0.817 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:32:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 8.131 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 8.131 ms
Loss rate: 0.07%
```

Run 4: Report of CalibratedKoho — Data Link

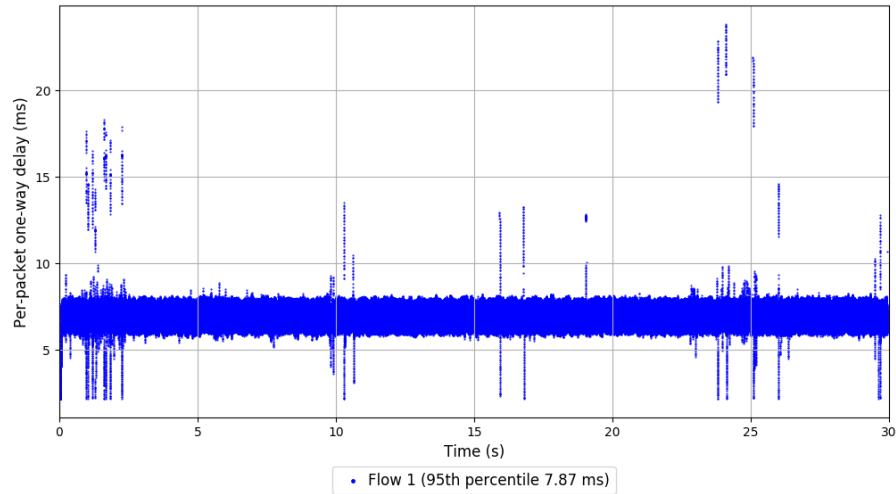
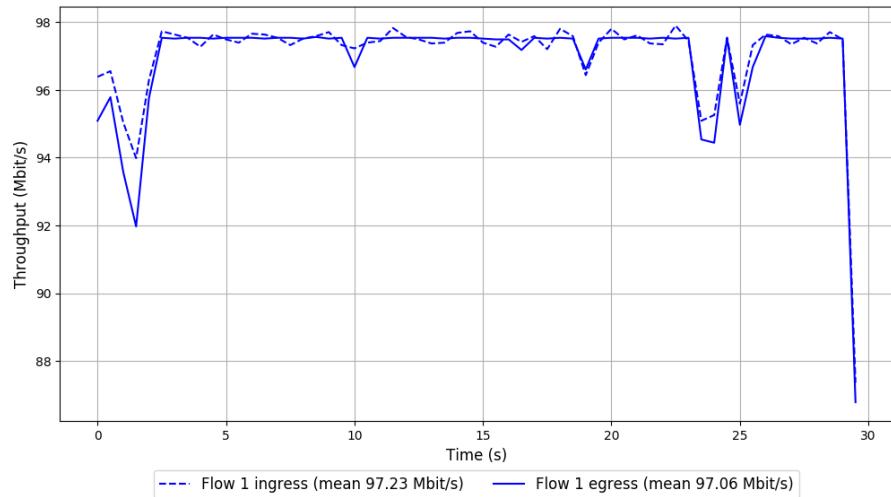


```
Run 5: Statistics of CalibratedKoho
```

```
Start at: Sun, 16 Jul 2017 23:05:04 +0000
End at: Sun, 16 Jul 2017 23:05:34 +0000
Local clock offset: -3.419 ms
Remote clock offset: 1.086 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:32:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 7.868 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 7.868 ms
Loss rate: 0.17%
```

Run 5: Report of CalibratedKoho — Data Link

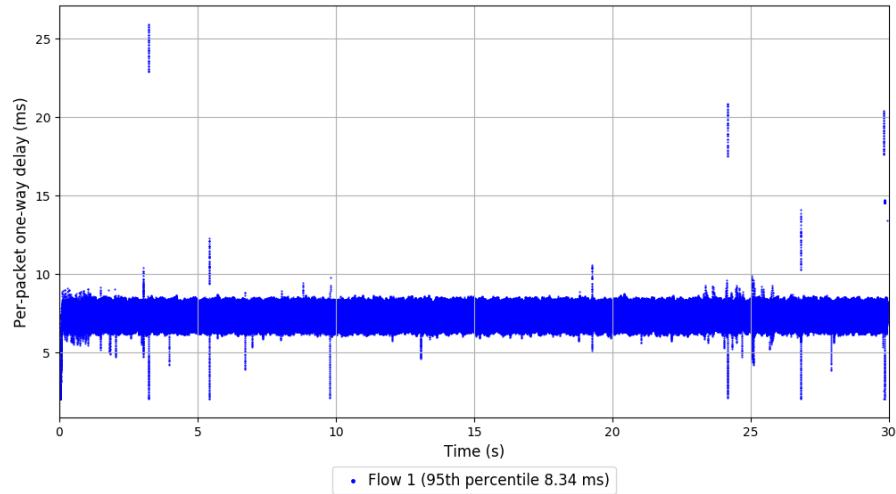
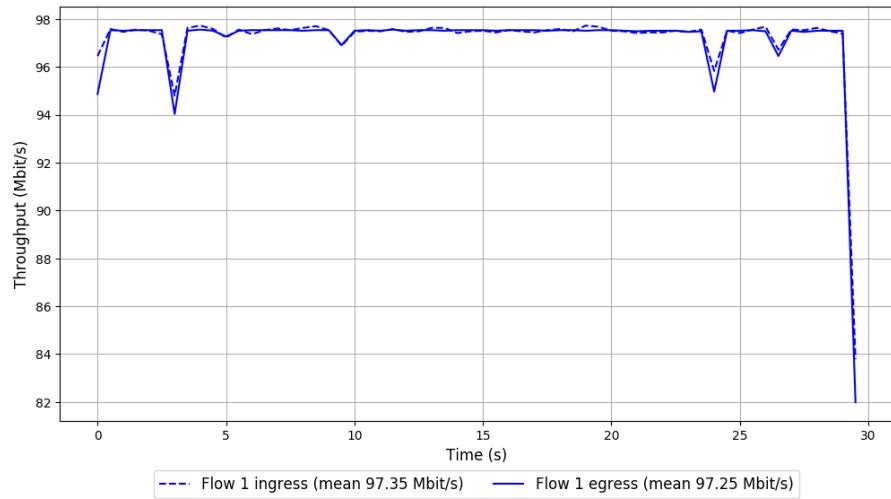


```
Run 6: Statistics of CalibratedKoho
```

```
Start at: Sun, 16 Jul 2017 23:22:02 +0000
End at: Sun, 16 Jul 2017 23:22:32 +0000
Local clock offset: -3.897 ms
Remote clock offset: 1.195 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:32:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 8.337 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 8.337 ms
Loss rate: 0.10%
```

Run 6: Report of CalibratedKoho — Data Link



```
Run 7: Statistics of CalibratedKoho
```

```
Start at: Sun, 16 Jul 2017 23:39:00 +0000
```

```
End at: Sun, 16 Jul 2017 23:39:30 +0000
```

```
Local clock offset: -3.962 ms
```

```
Remote clock offset: 0.867 ms
```

```
# Below is generated by plot.py at Mon, 17 Jul 2017 01:32:27 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 96.95 Mbit/s
```

```
95th percentile per-packet one-way delay: 8.654 ms
```

```
Loss rate: 0.20%
```

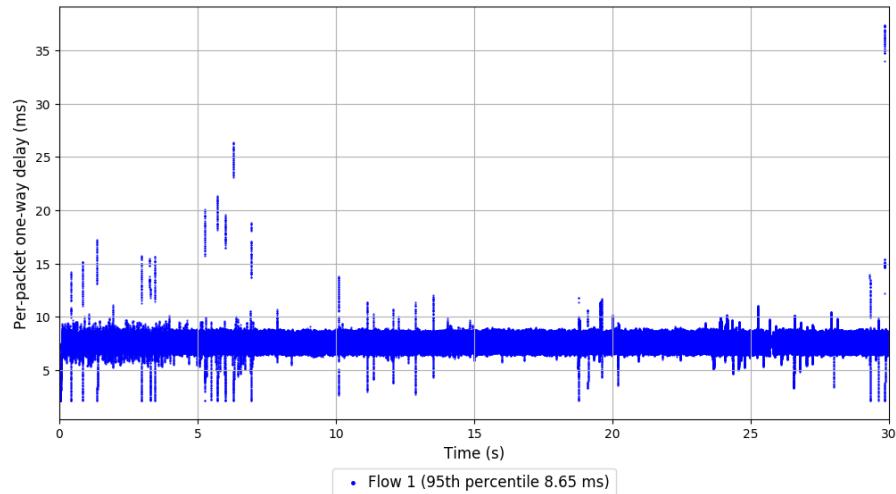
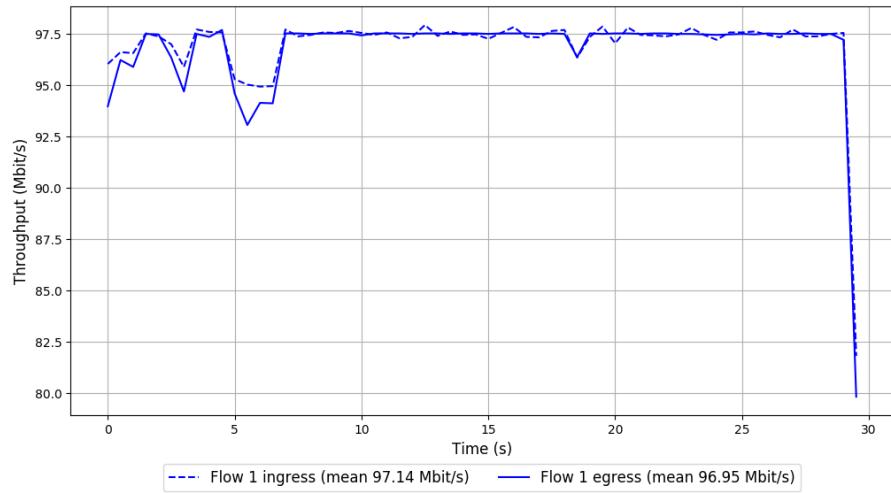
```
-- Flow 1:
```

```
Average throughput: 96.95 Mbit/s
```

```
95th percentile per-packet one-way delay: 8.654 ms
```

```
Loss rate: 0.20%
```

Run 7: Report of CalibratedKoho — Data Link

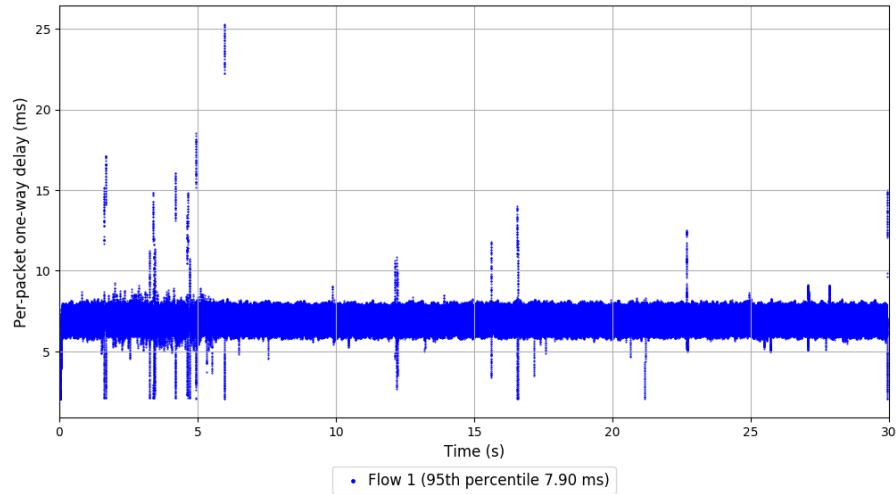
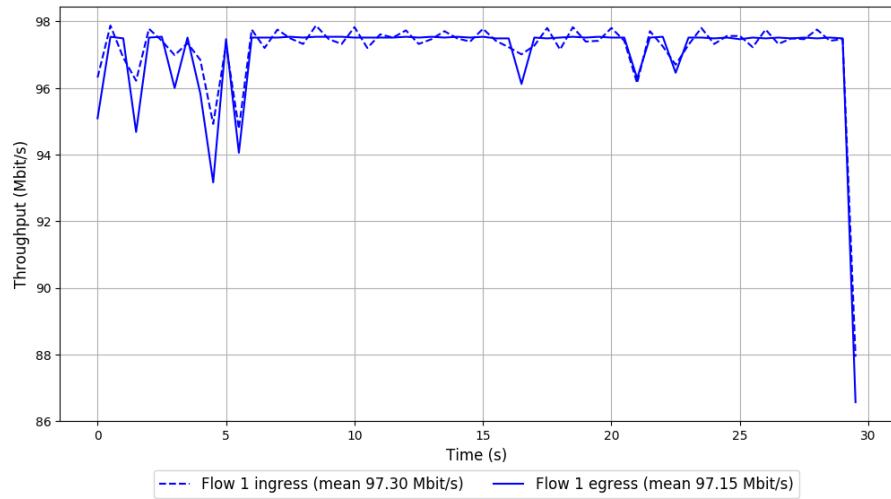


```
Run 8: Statistics of CalibratedKoho
```

```
Start at: Sun, 16 Jul 2017 23:55:59 +0000
End at: Sun, 16 Jul 2017 23:56:29 +0000
Local clock offset: -4.328 ms
Remote clock offset: 0.161 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:32:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 7.896 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 7.896 ms
Loss rate: 0.15%
```

Run 8: Report of CalibratedKoho — Data Link



```
Run 9: Statistics of CalibratedKoho
```

```
Start at: Mon, 17 Jul 2017 00:12:58 +0000
```

```
End at: Mon, 17 Jul 2017 00:13:28 +0000
```

```
Local clock offset: -4.593 ms
```

```
Remote clock offset: -0.509 ms
```

```
# Below is generated by plot.py at Mon, 17 Jul 2017 01:32:40 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 97.21 Mbit/s
```

```
95th percentile per-packet one-way delay: 8.355 ms
```

```
Loss rate: 0.09%
```

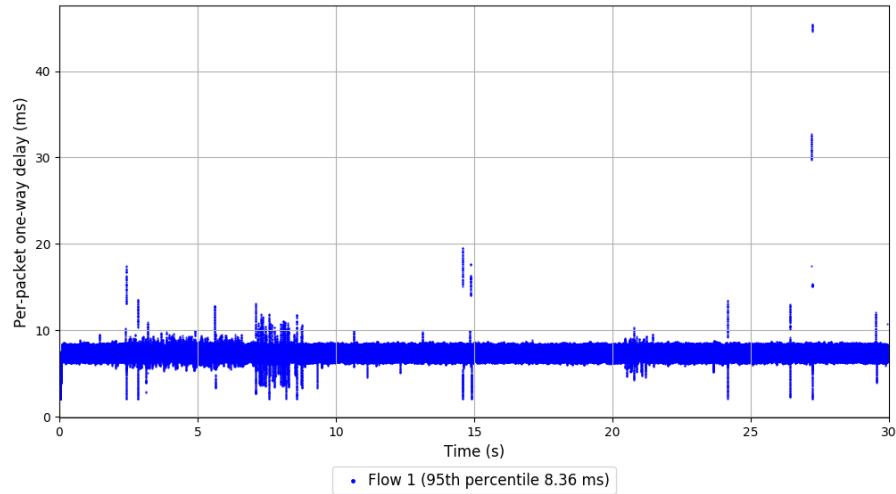
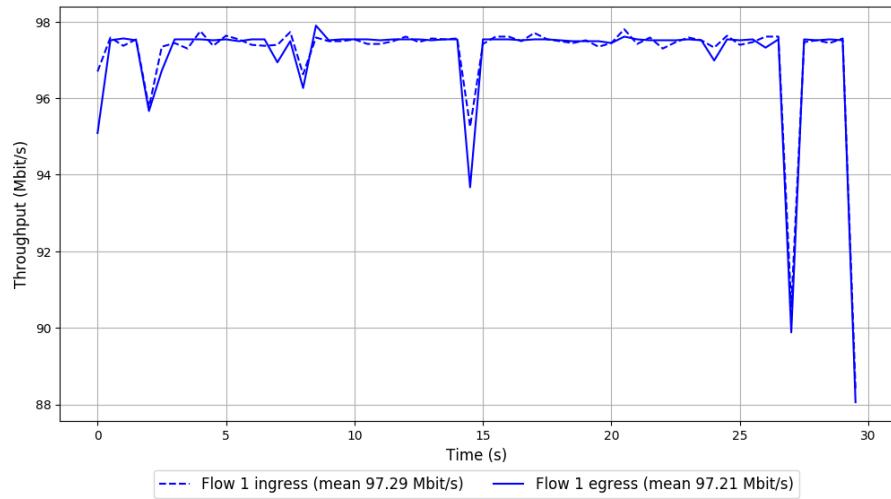
```
-- Flow 1:
```

```
Average throughput: 97.21 Mbit/s
```

```
95th percentile per-packet one-way delay: 8.355 ms
```

```
Loss rate: 0.09%
```

Run 9: Report of CalibratedKoho — Data Link

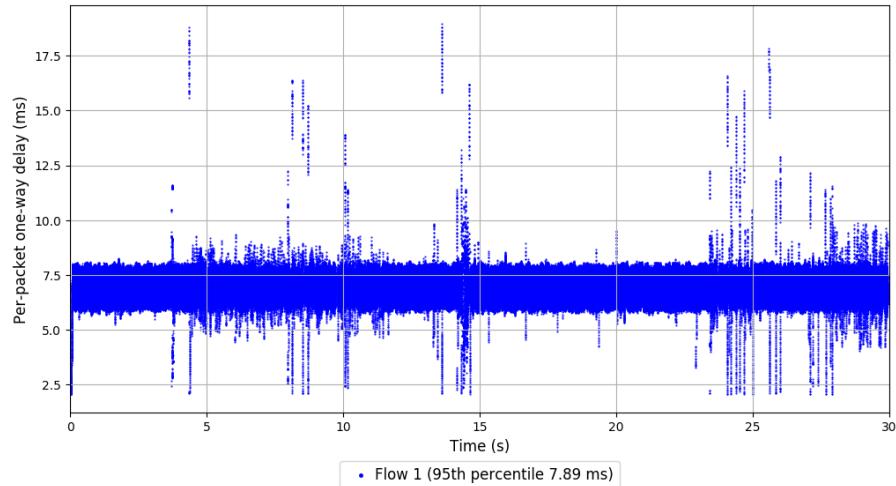
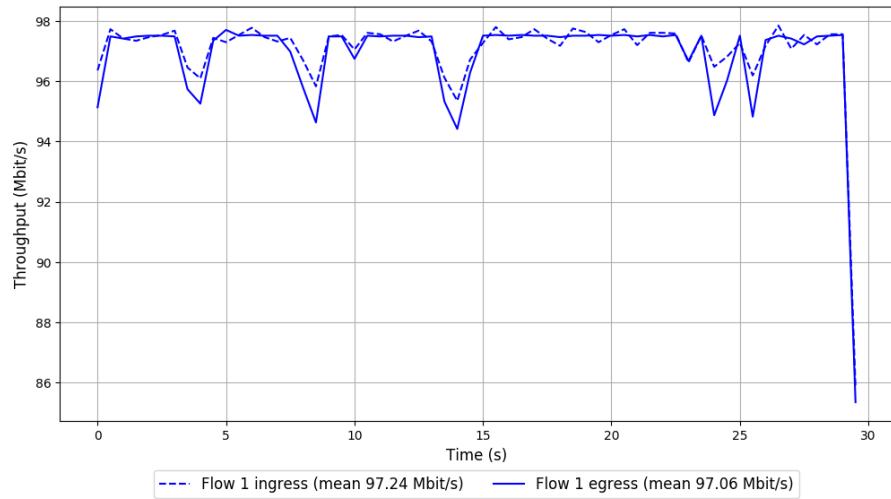


```
Run 10: Statistics of CalibratedKoho

Start at: Mon, 17 Jul 2017 00:29:56 +0000
End at: Mon, 17 Jul 2017 00:30:26 +0000
Local clock offset: -4.206 ms
Remote clock offset: -0.691 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:32:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 7.890 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 97.06 Mbit/s
95th percentile per-packet one-way delay: 7.890 ms
Loss rate: 0.20%
```

Run 10: Report of CalibratedKoho — Data Link

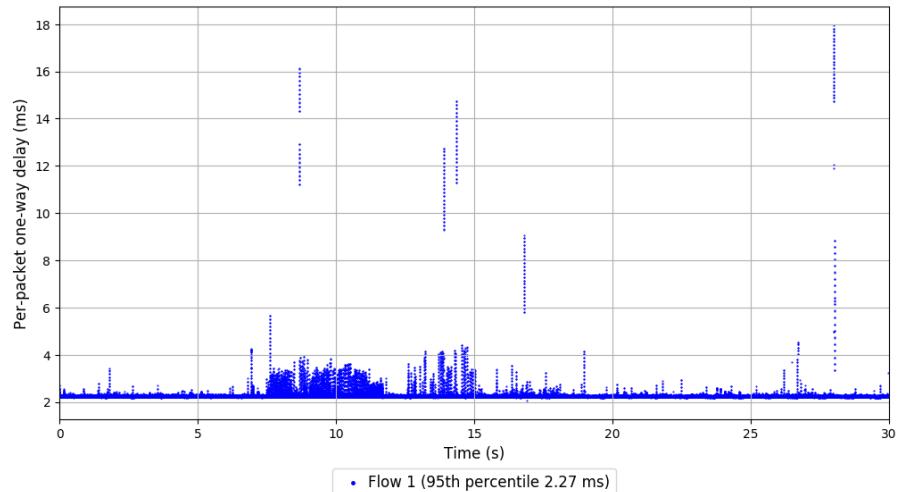
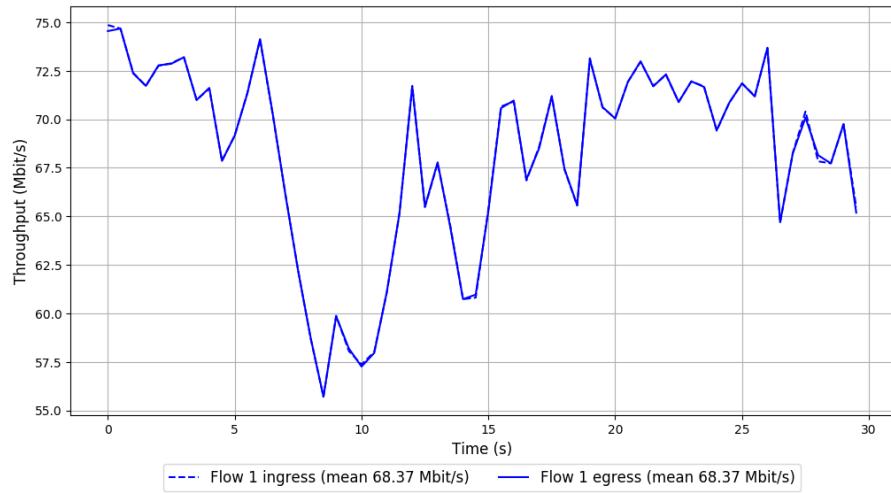


Run 1: Statistics of Copa

```
Start at: Sun, 16 Jul 2017 22:03:52 +0000
End at: Sun, 16 Jul 2017 22:04:23 +0000
Local clock offset: -3.342 ms
Remote clock offset: 1.17 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:32:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.37 Mbit/s
95th percentile per-packet one-way delay: 2.271 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.37 Mbit/s
95th percentile per-packet one-way delay: 2.271 ms
Loss rate: 0.01%
```

Run 1: Report of Copa — Data Link

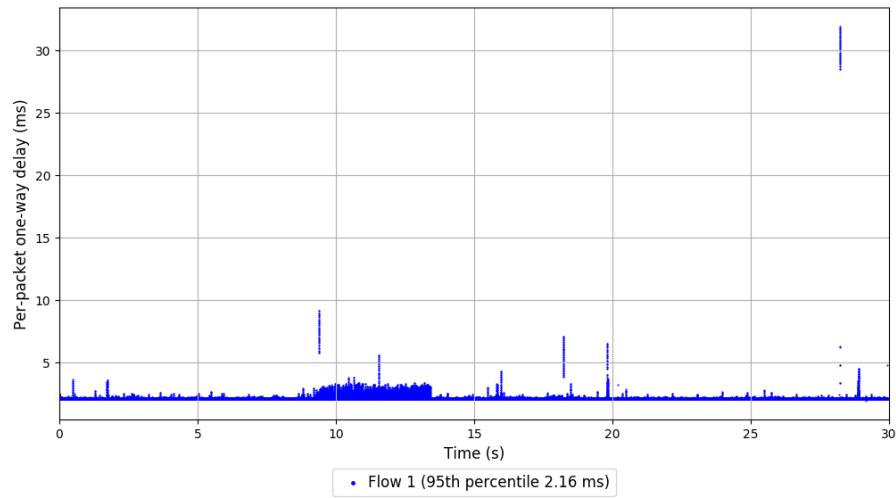
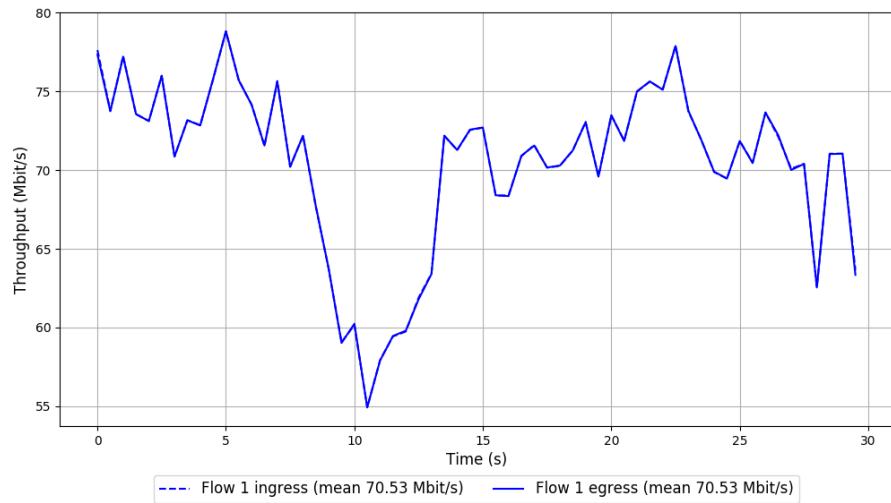


Run 2: Statistics of Copa

```
Start at: Sun, 16 Jul 2017 22:20:51 +0000
End at: Sun, 16 Jul 2017 22:21:21 +0000
Local clock offset: -3.433 ms
Remote clock offset: 1.396 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:32:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.53 Mbit/s
95th percentile per-packet one-way delay: 2.156 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 70.53 Mbit/s
95th percentile per-packet one-way delay: 2.156 ms
Loss rate: 0.02%
```

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

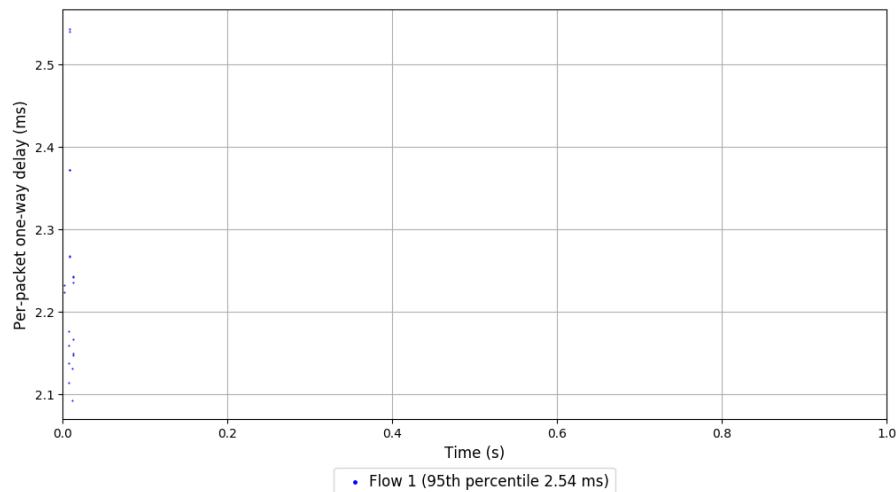
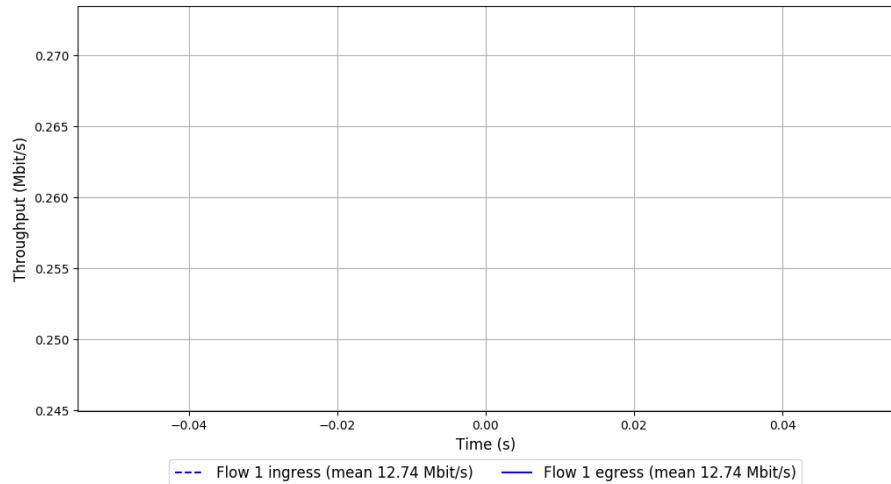
Start at: Sun, 16 Jul 2017 22:37:50 +0000

End at: Sun, 16 Jul 2017 22:38:20 +0000

Local clock offset: -3.398 ms

Remote clock offset: 1.247 ms

Run 3: Report of Copa — Data Link

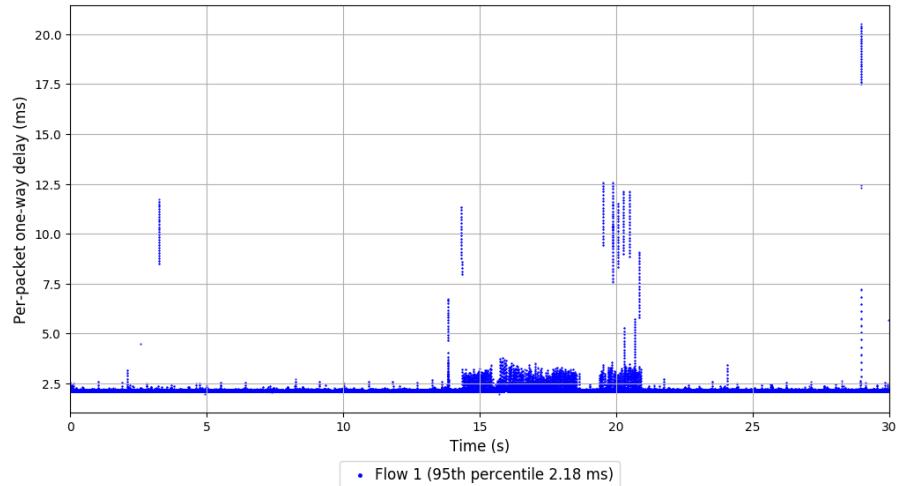
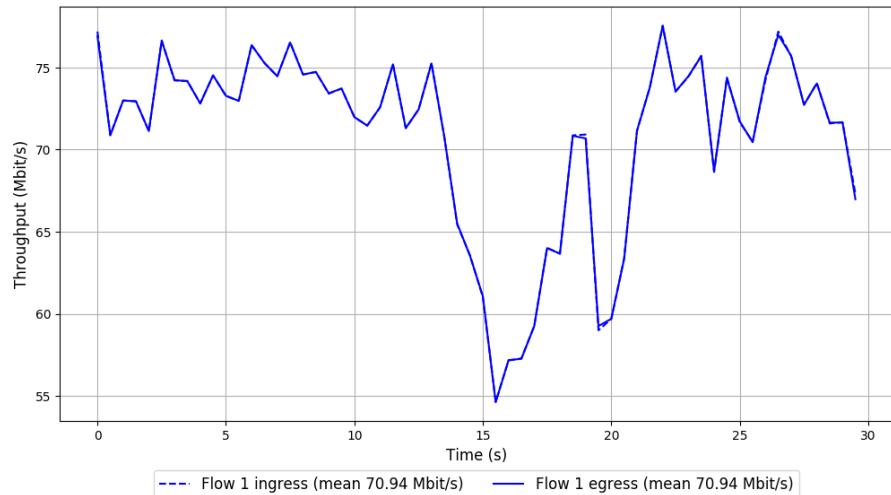


Run 4: Statistics of Copa

```
Start at: Sun, 16 Jul 2017 22:54:46 +0000
End at: Sun, 16 Jul 2017 22:55:16 +0000
Local clock offset: -3.586 ms
Remote clock offset: 0.705 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:33:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.94 Mbit/s
95th percentile per-packet one-way delay: 2.181 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 70.94 Mbit/s
95th percentile per-packet one-way delay: 2.181 ms
Loss rate: 0.02%
```

Run 4: Report of Copa — Data Link

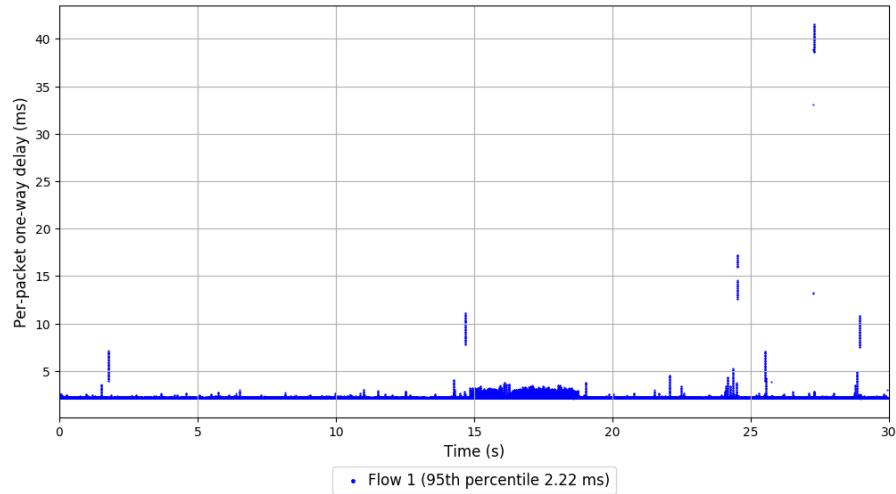
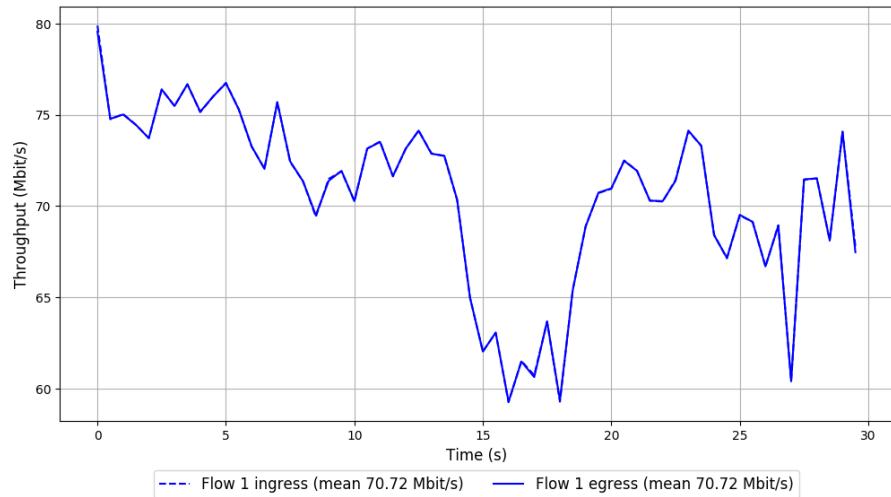


Run 5: Statistics of Copa

```
Start at: Sun, 16 Jul 2017 23:11:45 +0000
End at: Sun, 16 Jul 2017 23:12:15 +0000
Local clock offset: -3.745 ms
Remote clock offset: 1.035 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:33:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.72 Mbit/s
95th percentile per-packet one-way delay: 2.222 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 70.72 Mbit/s
95th percentile per-packet one-way delay: 2.222 ms
Loss rate: 0.02%
```

Run 5: Report of Copa — Data Link

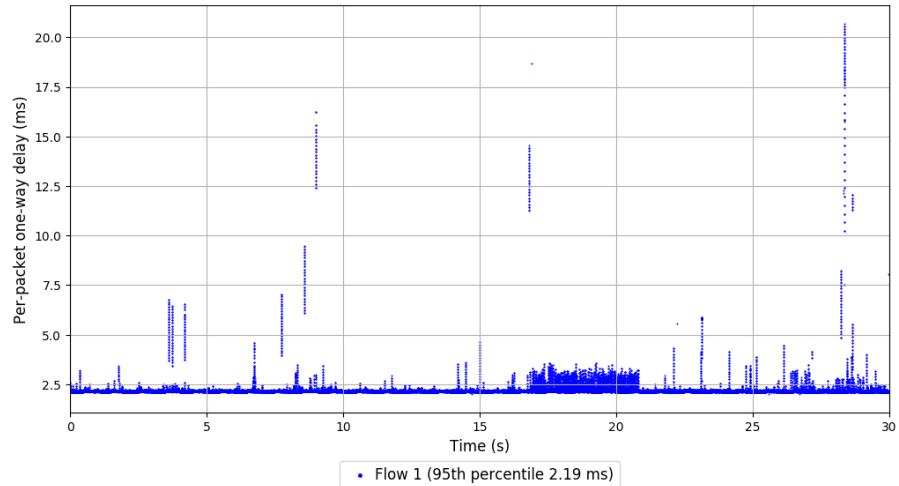
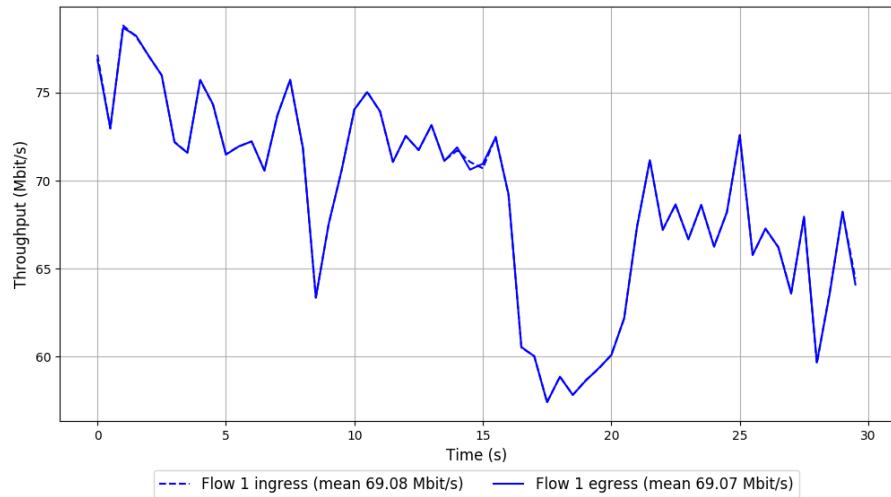


Run 6: Statistics of Copa

```
Start at: Sun, 16 Jul 2017 23:28:43 +0000
End at: Sun, 16 Jul 2017 23:29:13 +0000
Local clock offset: -3.89 ms
Remote clock offset: 1.134 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:33:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.07 Mbit/s
95th percentile per-packet one-way delay: 2.185 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 69.07 Mbit/s
95th percentile per-packet one-way delay: 2.185 ms
Loss rate: 0.02%
```

Run 6: Report of Copa — Data Link

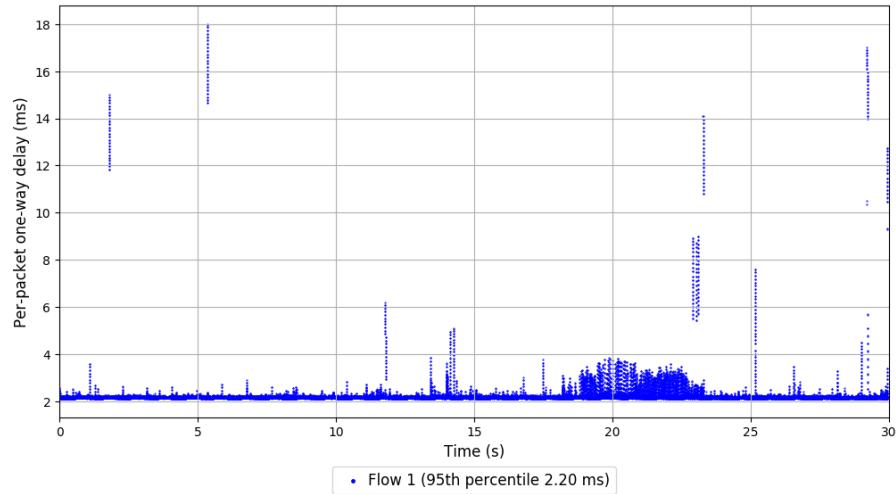
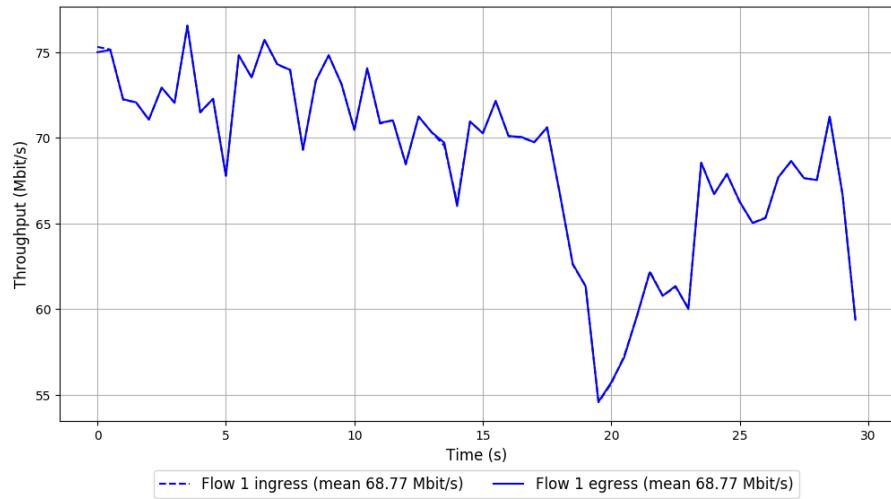


Run 7: Statistics of Copa

```
Start at: Sun, 16 Jul 2017 23:45:41 +0000
End at: Sun, 16 Jul 2017 23:46:11 +0000
Local clock offset: -4.135 ms
Remote clock offset: 0.556 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:33:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.77 Mbit/s
95th percentile per-packet one-way delay: 2.199 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.77 Mbit/s
95th percentile per-packet one-way delay: 2.199 ms
Loss rate: 0.01%
```

Run 7: Report of Copa — Data Link

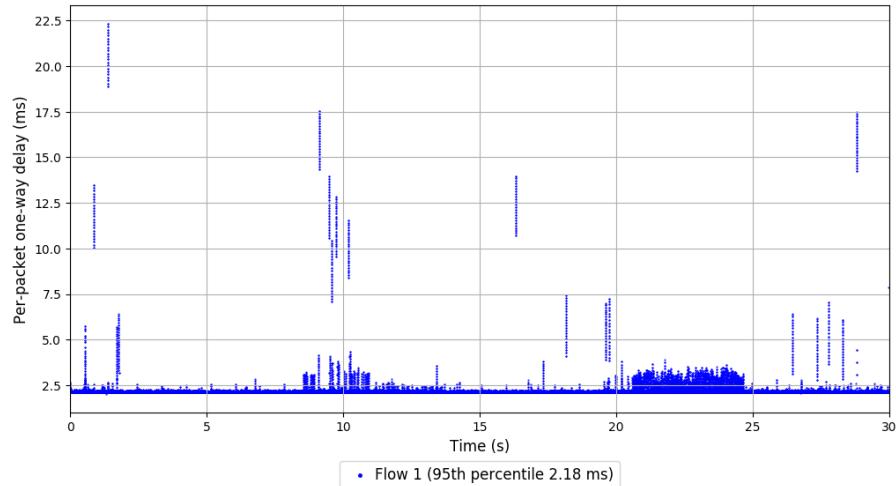
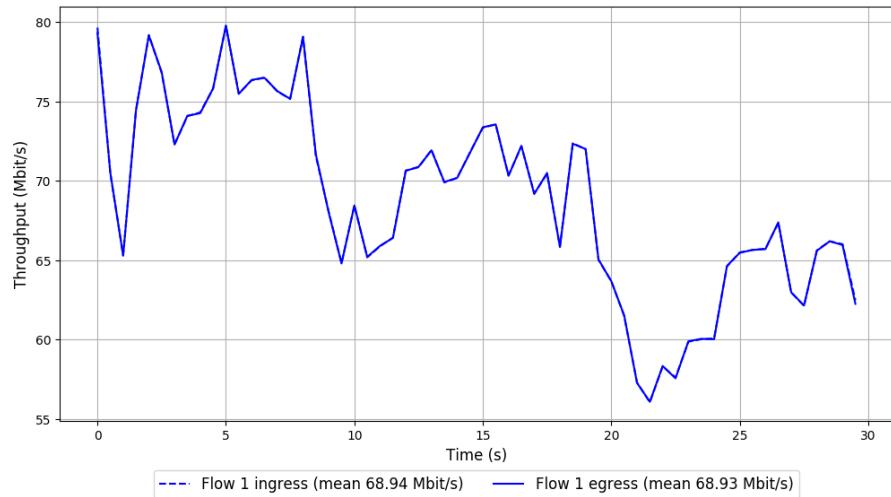


Run 8: Statistics of Copa

```
Start at: Mon, 17 Jul 2017 00:02:40 +0000
End at: Mon, 17 Jul 2017 00:03:10 +0000
Local clock offset: -4.381 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:33:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.93 Mbit/s
95th percentile per-packet one-way delay: 2.182 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 68.93 Mbit/s
95th percentile per-packet one-way delay: 2.182 ms
Loss rate: 0.01%
```

Run 8: Report of Copa — Data Link

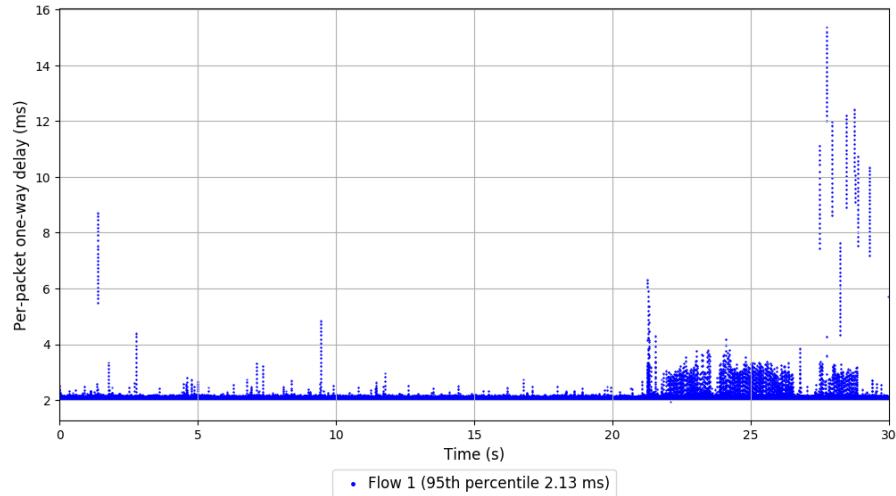
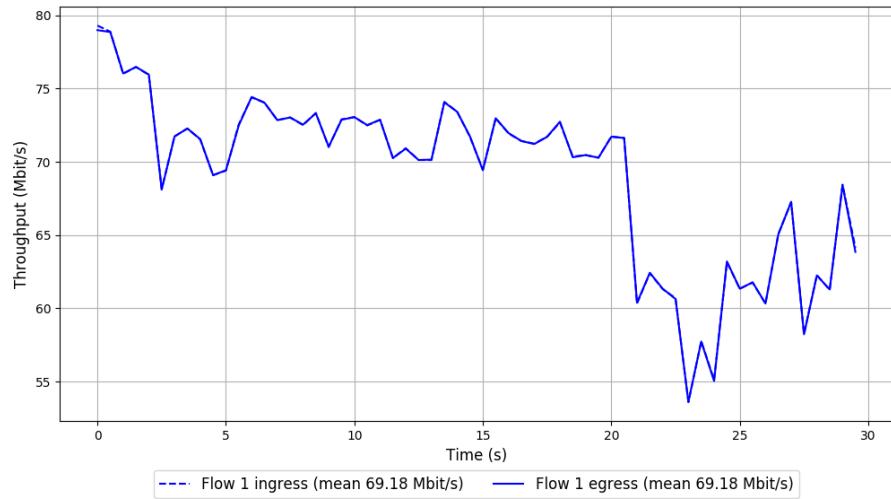


Run 9: Statistics of Copa

```
Start at: Mon, 17 Jul 2017 00:19:38 +0000
End at: Mon, 17 Jul 2017 00:20:08 +0000
Local clock offset: -4.408 ms
Remote clock offset: -0.62 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:33:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.18 Mbit/s
95th percentile per-packet one-way delay: 2.130 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 69.18 Mbit/s
95th percentile per-packet one-way delay: 2.130 ms
Loss rate: 0.01%
```

Run 9: Report of Copa — Data Link

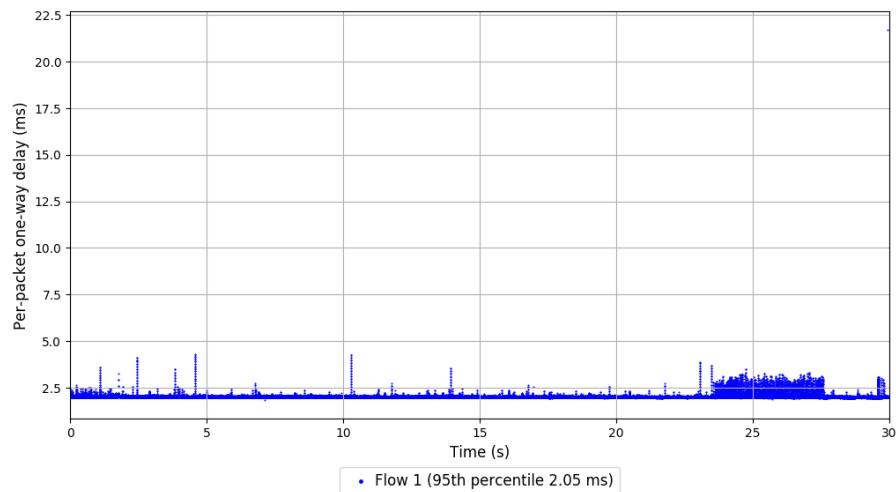
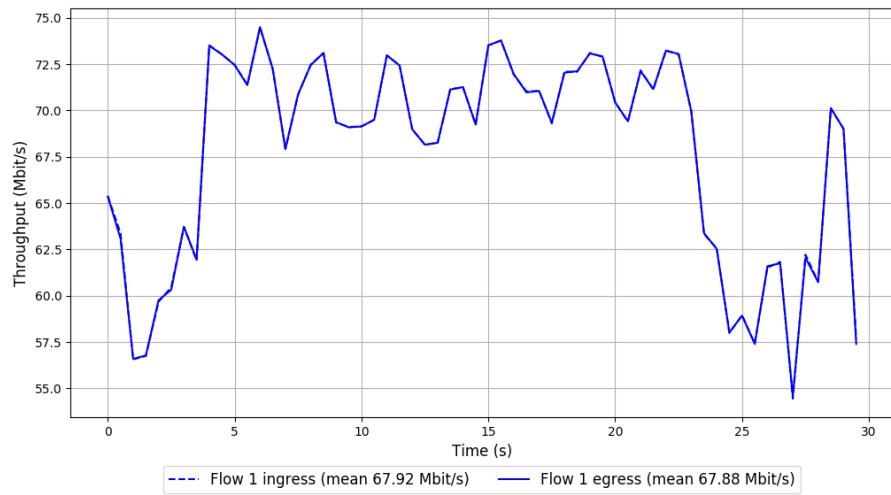


Run 10: Statistics of Copa

```
Start at: Mon, 17 Jul 2017 00:36:36 +0000
End at: Mon, 17 Jul 2017 00:37:06 +0000
Local clock offset: -3.918 ms
Remote clock offset: -0.705 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 2.052 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 67.88 Mbit/s
95th percentile per-packet one-way delay: 2.052 ms
Loss rate: 0.01%
```

Run 10: Report of Copa — Data Link



```
Run 1: Statistics of TCP Cubic
```

```
Start at: Sun, 16 Jul 2017 22:01:40 +0000
```

```
End at: Sun, 16 Jul 2017 22:02:10 +0000
```

```
Local clock offset: -3.449 ms
```

```
Remote clock offset: 1.272 ms
```

```
# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:07 +0000
```

```
# Datalink statistics
```

```
-- Total of 1 flow:
```

```
Average throughput: 97.35 Mbit/s
```

```
95th percentile per-packet one-way delay: 14.005 ms
```

```
Loss rate: 0.14%
```

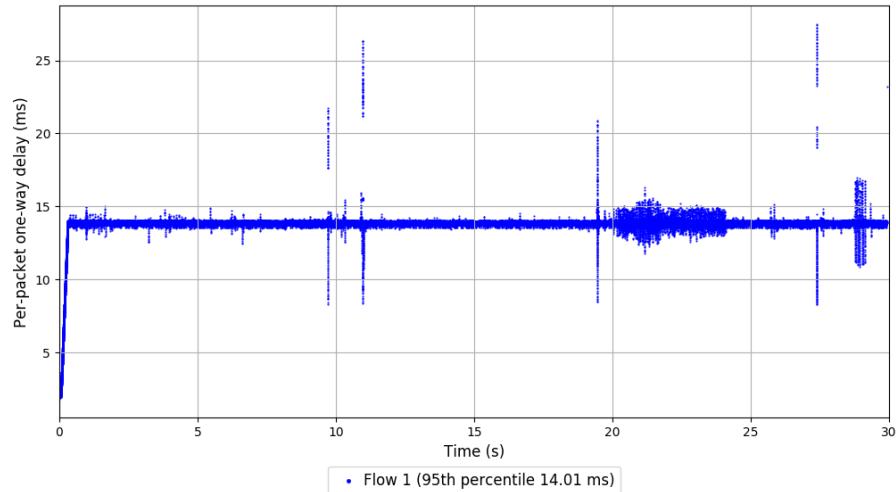
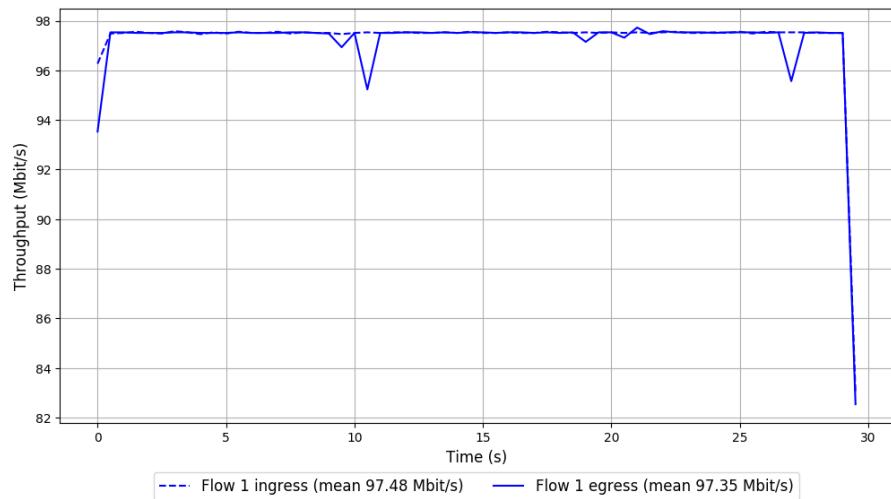
```
-- Flow 1:
```

```
Average throughput: 97.35 Mbit/s
```

```
95th percentile per-packet one-way delay: 14.005 ms
```

```
Loss rate: 0.14%
```

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 22:18:38 +0000

End at: Sun, 16 Jul 2017 22:19:08 +0000

Local clock offset: -3.432 ms

Remote clock offset: 1.29 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:34:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 14.176 ms

Loss rate: 0.18%

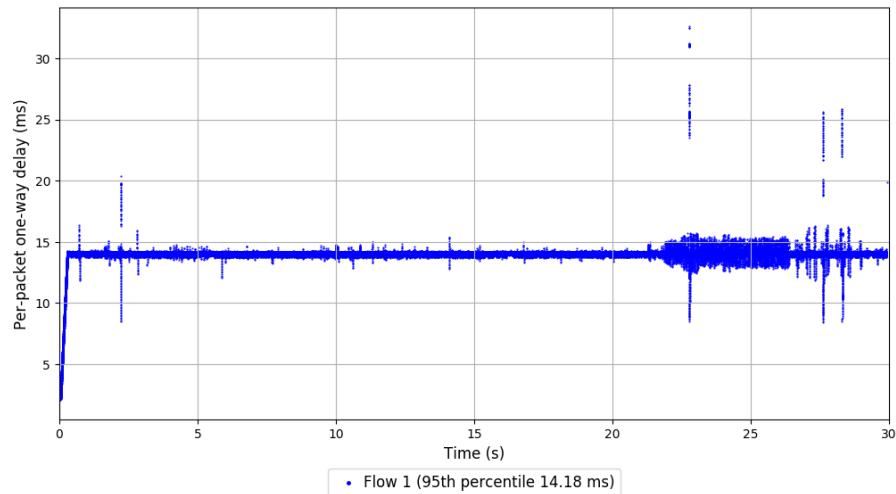
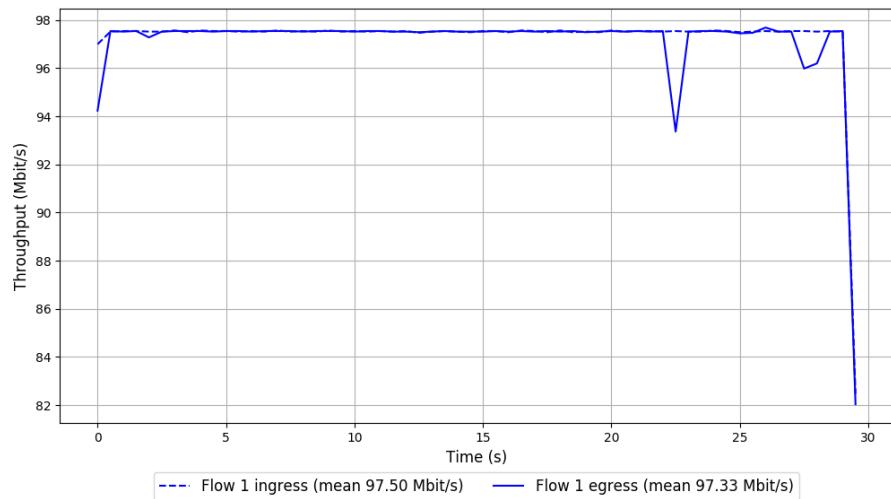
-- Flow 1:

Average throughput: 97.33 Mbit/s

95th percentile per-packet one-way delay: 14.176 ms

Loss rate: 0.18%

Run 2: Report of TCP Cubic — Data Link

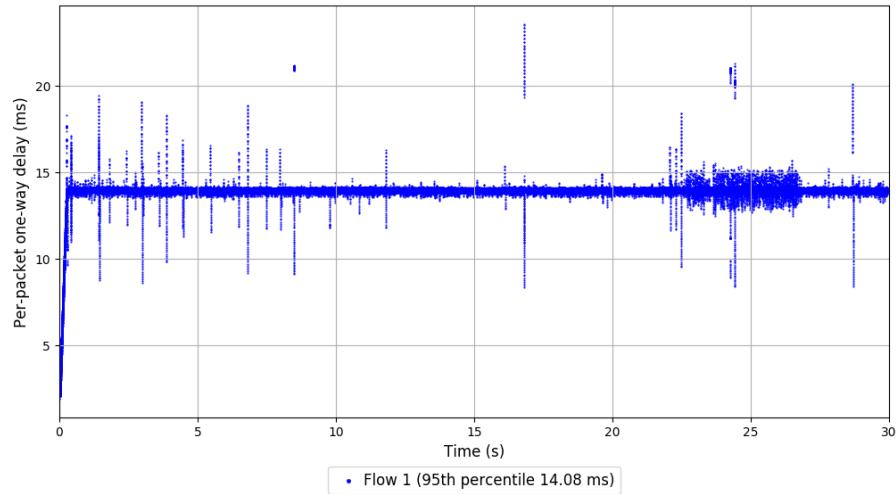
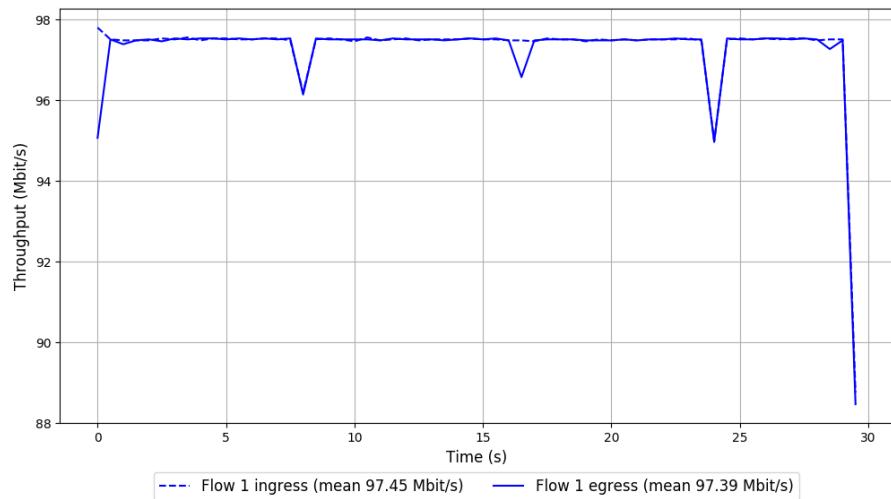


Run 3: Statistics of TCP Cubic

```
Start at: Sun, 16 Jul 2017 22:35:37 +0000
End at: Sun, 16 Jul 2017 22:36:07 +0000
Local clock offset: -3.463 ms
Remote clock offset: 1.287 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 14.078 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 14.078 ms
Loss rate: 0.07%
```

Run 3: Report of TCP Cubic — Data Link

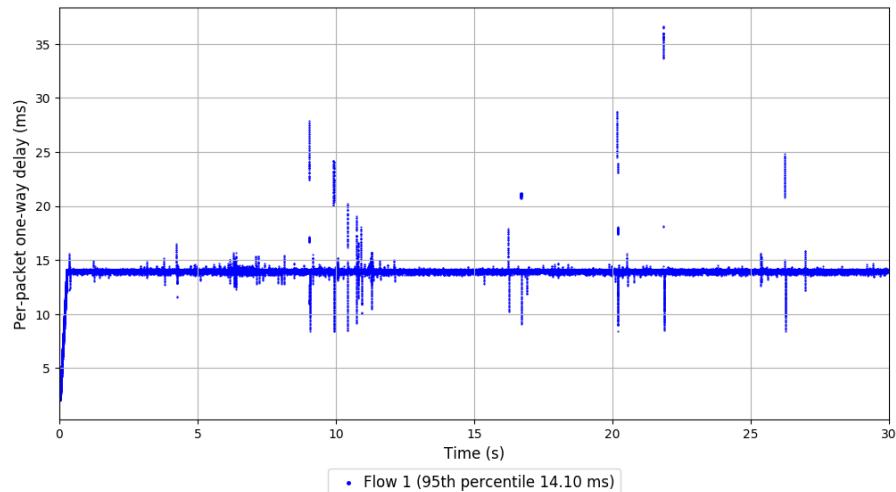
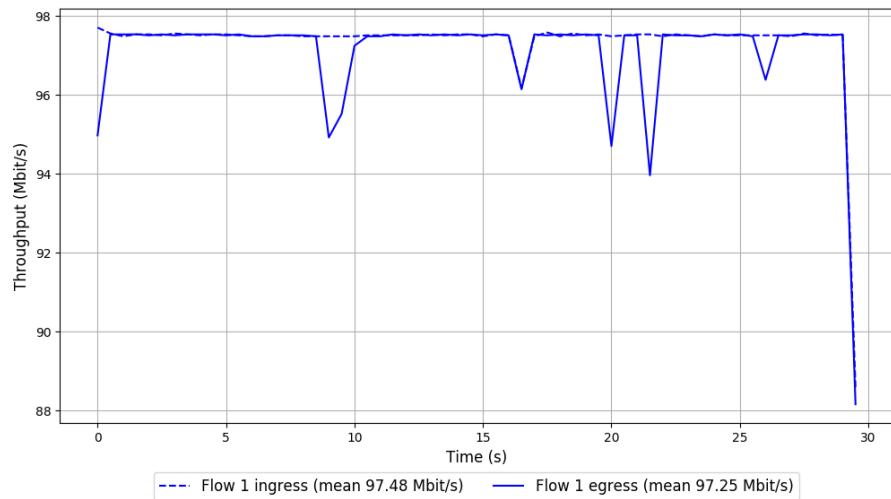


Run 4: Statistics of TCP Cubic

```
Start at: Sun, 16 Jul 2017 22:52:29 +0000
End at: Sun, 16 Jul 2017 22:52:59 +0000
Local clock offset: -3.554 ms
Remote clock offset: 0.724 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 14.102 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 97.25 Mbit/s
95th percentile per-packet one-way delay: 14.102 ms
Loss rate: 0.26%
```

Run 4: Report of TCP Cubic — Data Link

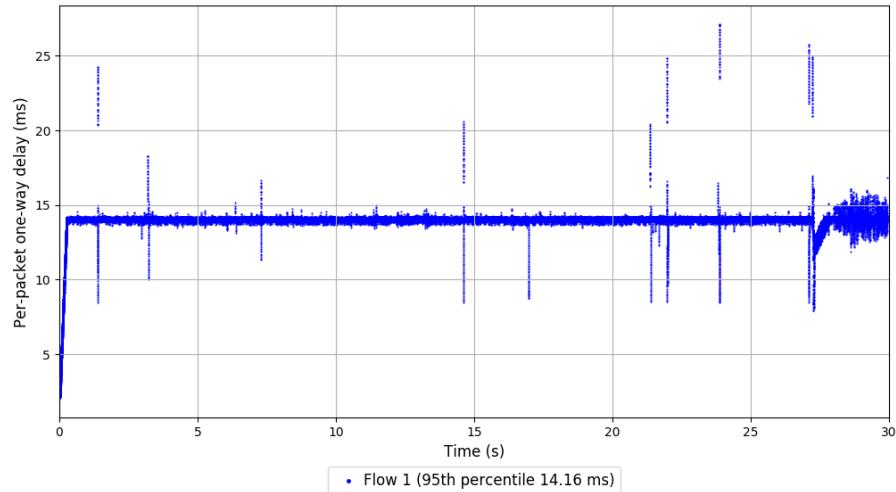
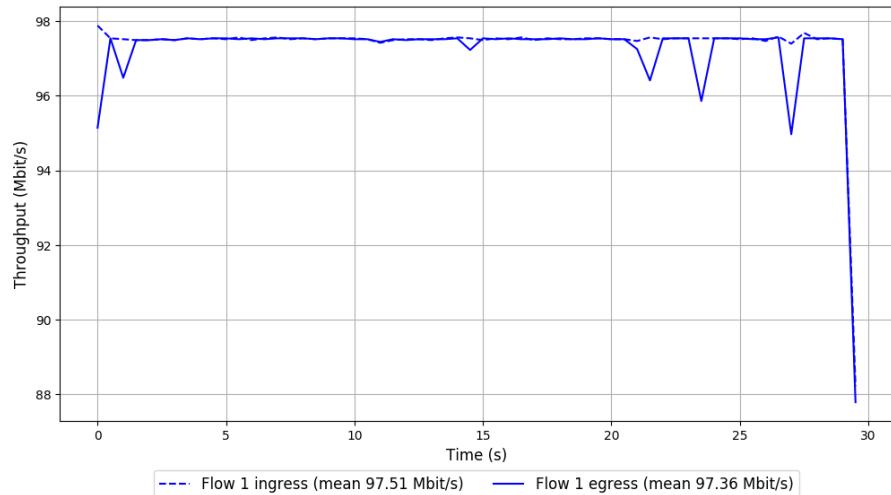


Run 5: Statistics of TCP Cubic

```
Start at: Sun, 16 Jul 2017 23:09:32 +0000
End at: Sun, 16 Jul 2017 23:10:02 +0000
Local clock offset: -3.701 ms
Remote clock offset: 1.007 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 14.156 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 14.156 ms
Loss rate: 0.17%
```

Run 5: Report of TCP Cubic — Data Link

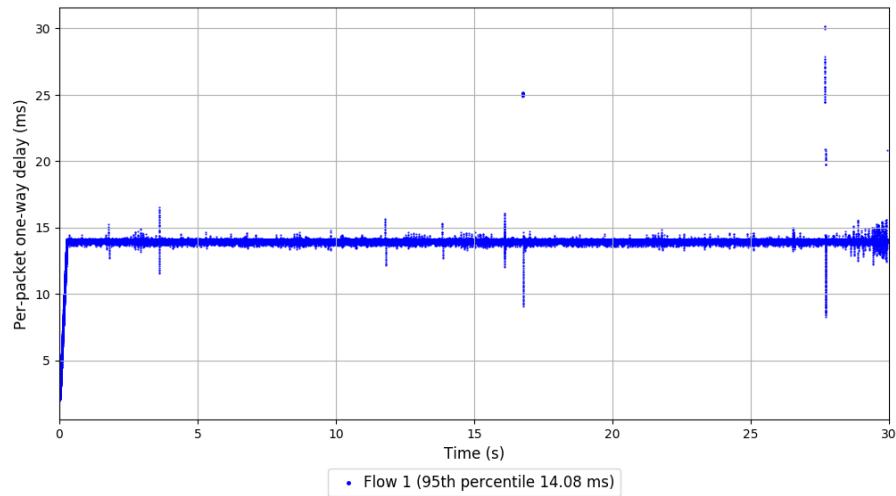
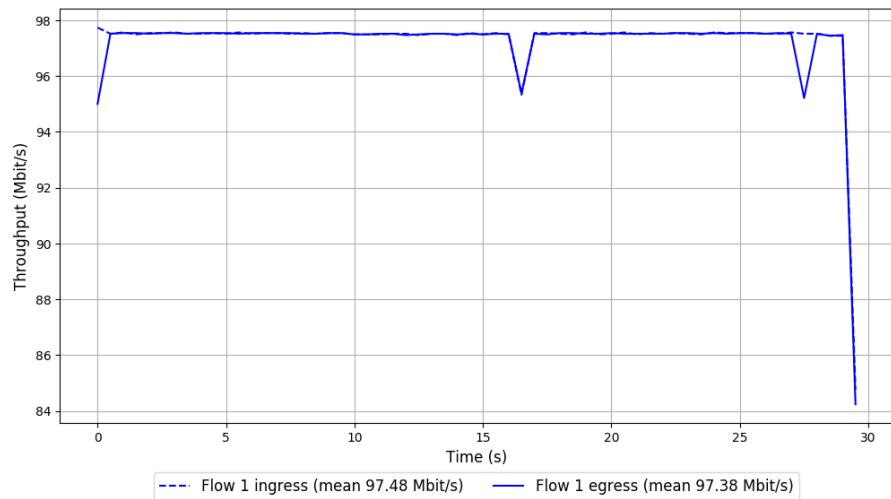


Run 6: Statistics of TCP Cubic

```
Start at: Sun, 16 Jul 2017 23:26:31 +0000
End at: Sun, 16 Jul 2017 23:27:01 +0000
Local clock offset: -3.911 ms
Remote clock offset: 1.186 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 14.084 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 97.38 Mbit/s
95th percentile per-packet one-way delay: 14.084 ms
Loss rate: 0.10%
```

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 23:43:28 +0000

End at: Sun, 16 Jul 2017 23:43:58 +0000

Local clock offset: -4.143 ms

Remote clock offset: 0.65 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:34:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 14.094 ms

Loss rate: 0.20%

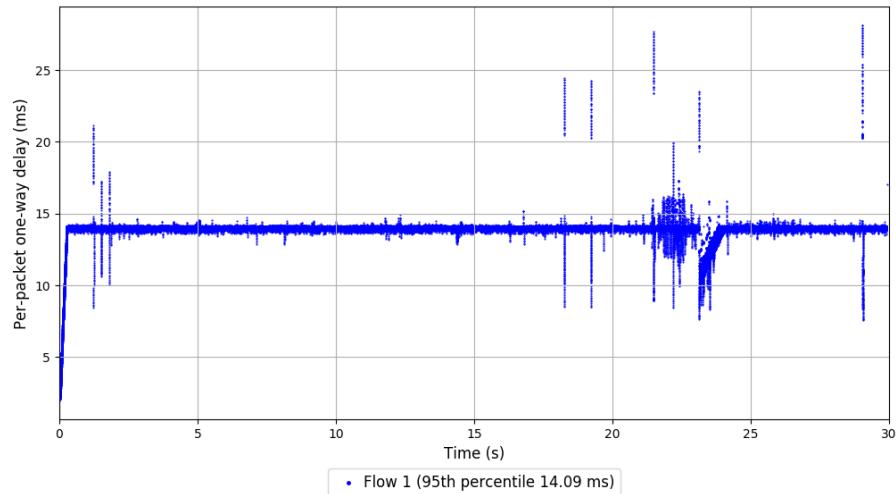
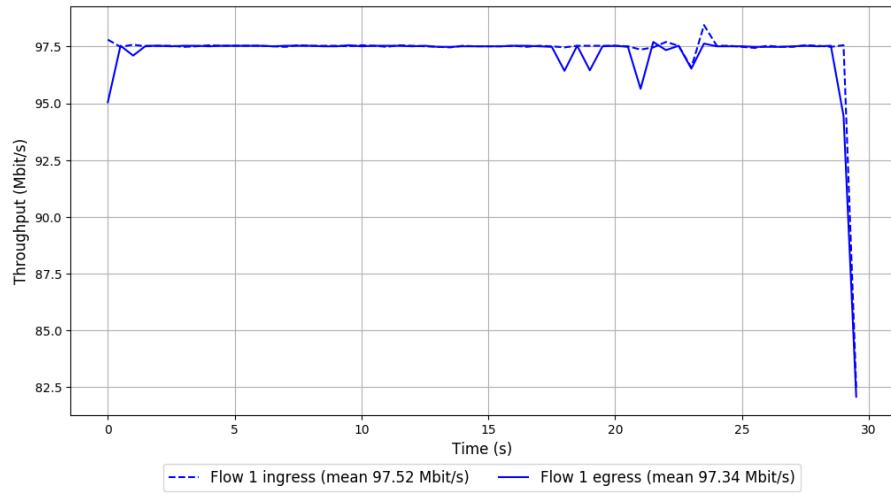
-- Flow 1:

Average throughput: 97.34 Mbit/s

95th percentile per-packet one-way delay: 14.094 ms

Loss rate: 0.20%

Run 7: Report of TCP Cubic — Data Link

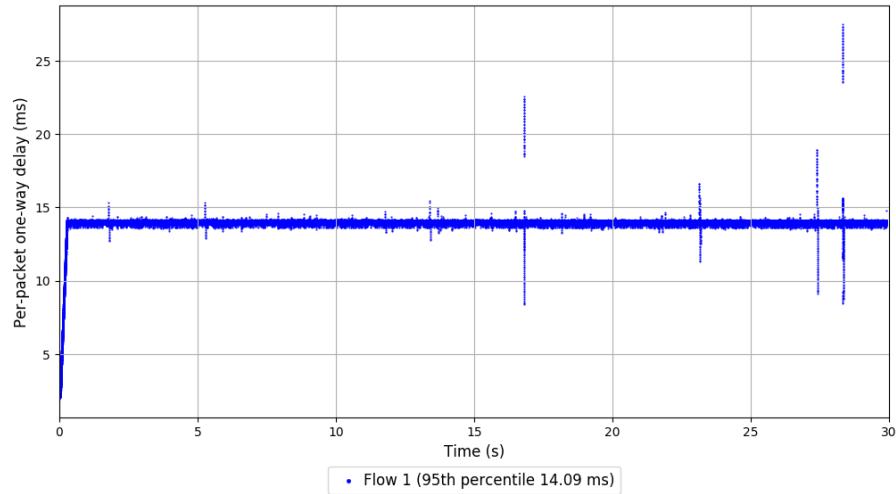
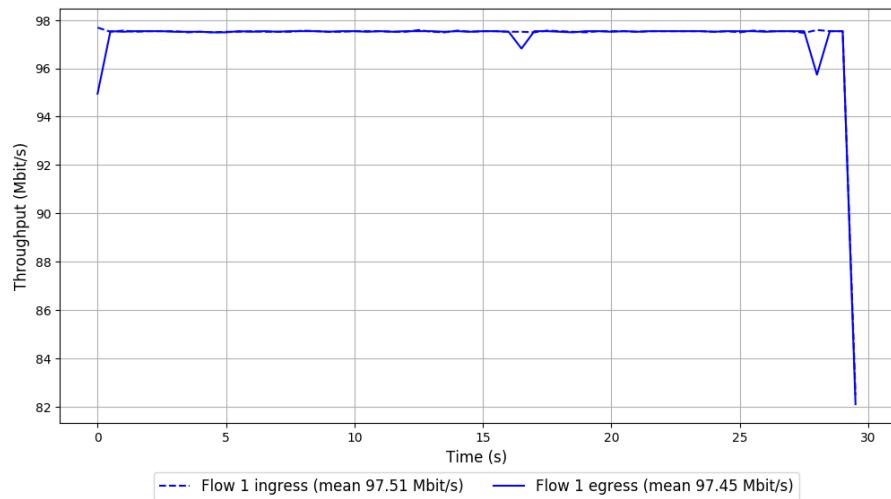


Run 8: Statistics of TCP Cubic

```
Start at: Mon, 17 Jul 2017 00:00:27 +0000
End at: Mon, 17 Jul 2017 00:00:57 +0000
Local clock offset: -4.337 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 14.088 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 14.088 ms
Loss rate: 0.10%
```

Run 8: Report of TCP Cubic — Data Link

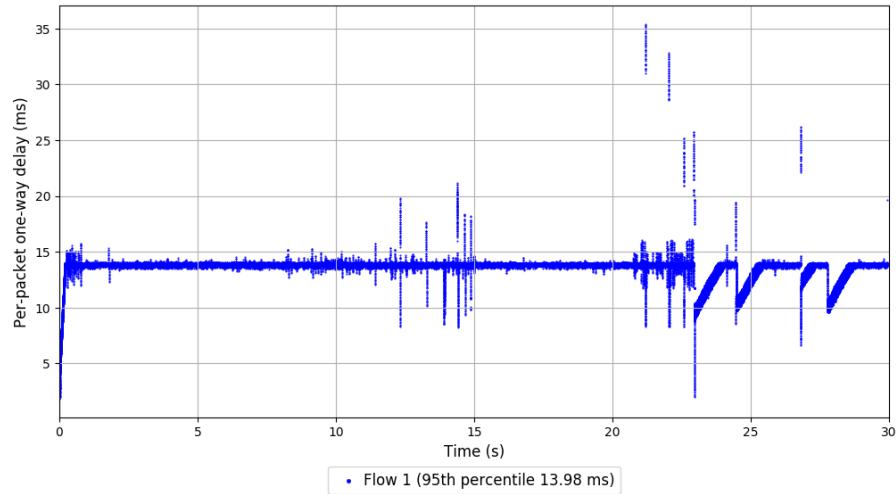
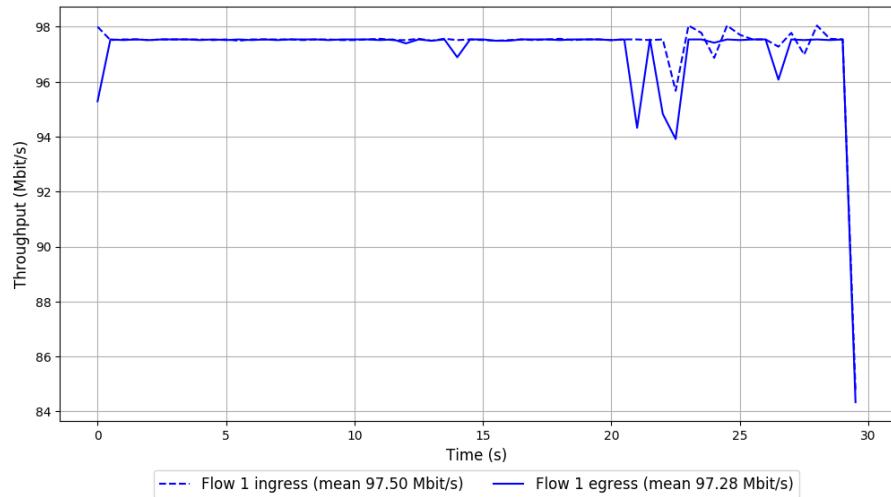


Run 9: Statistics of TCP Cubic

```
Start at: Mon, 17 Jul 2017 00:17:26 +0000
End at: Mon, 17 Jul 2017 00:17:56 +0000
Local clock offset: -4.533 ms
Remote clock offset: -0.593 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 13.982 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 13.982 ms
Loss rate: 0.24%
```

Run 9: Report of TCP Cubic — Data Link

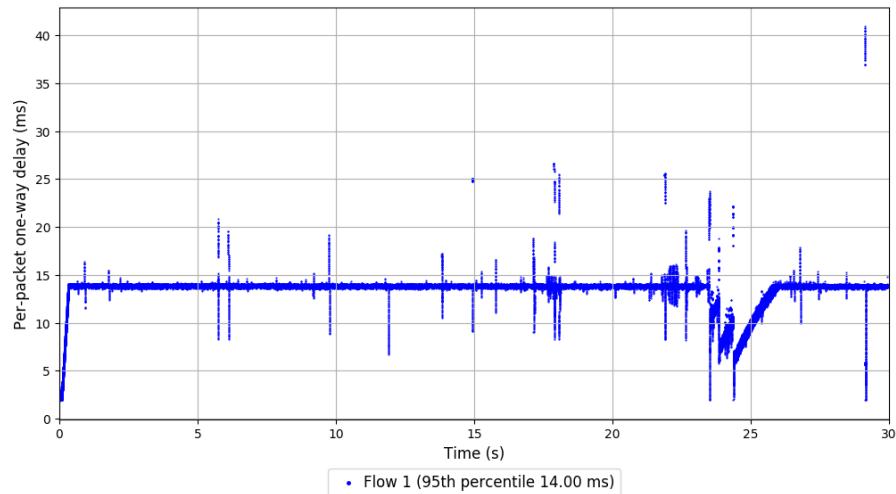
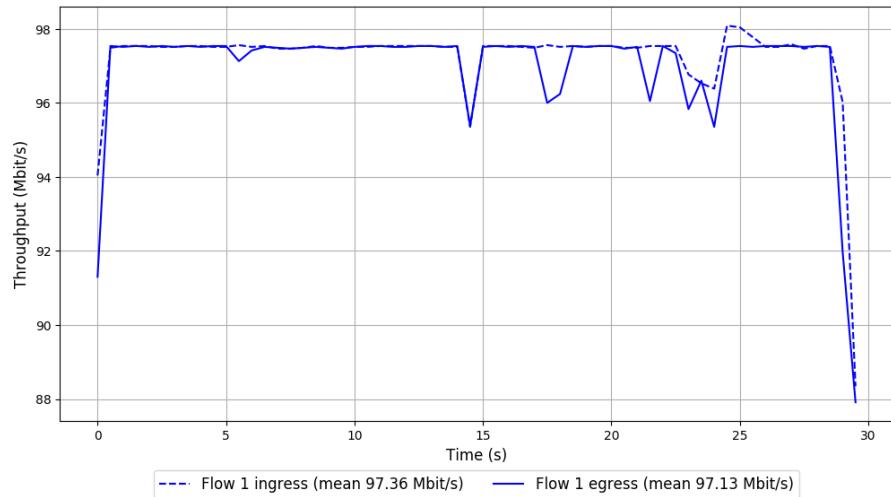


Run 10: Statistics of TCP Cubic

```
Start at: Mon, 17 Jul 2017 00:34:24 +0000
End at: Mon, 17 Jul 2017 00:34:54 +0000
Local clock offset: -4.014 ms
Remote clock offset: -0.671 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 13.997 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 97.13 Mbit/s
95th percentile per-packet one-way delay: 13.997 ms
Loss rate: 0.26%
```

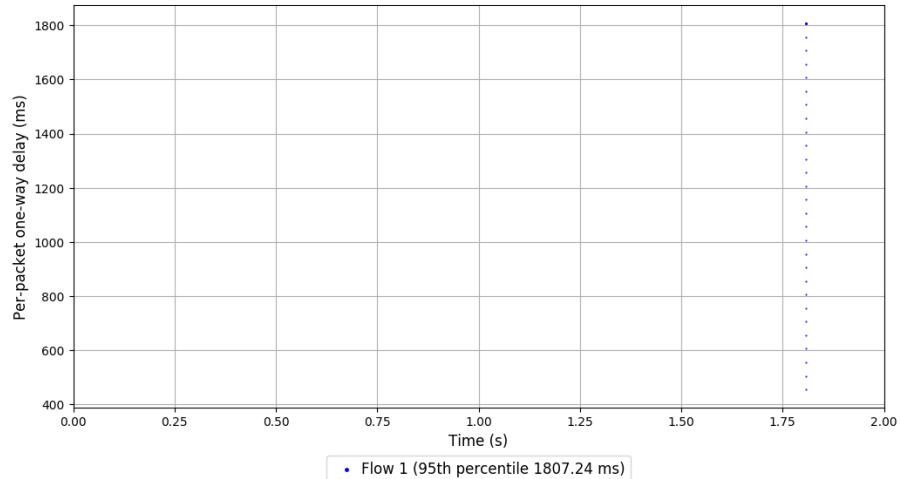
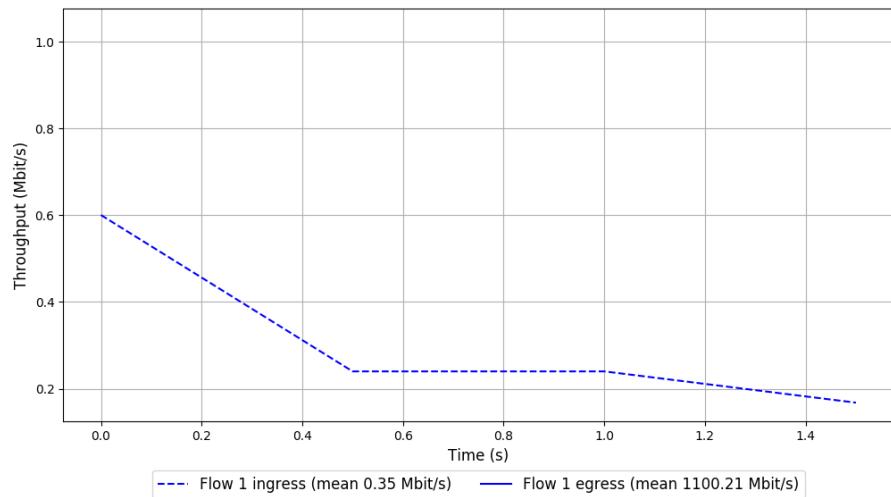
Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 22:02:49 +0000
End at: Sun, 16 Jul 2017 22:03:19 +0000
Local clock offset: -3.338 ms
Remote clock offset: 1.255 ms

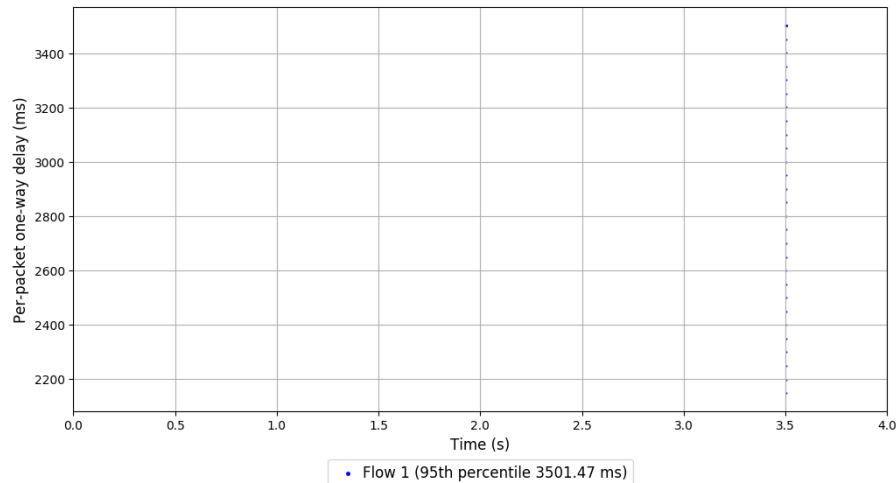
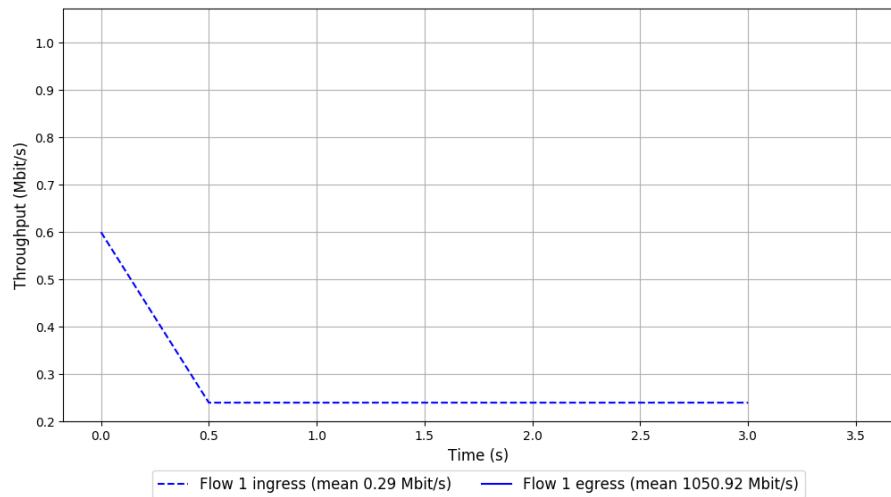
Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 22:19:47 +0000
End at: Sun, 16 Jul 2017 22:20:17 +0000
Local clock offset: -3.408 ms
Remote clock offset: 1.404 ms

Run 2: Report of KohoCC — Data Link

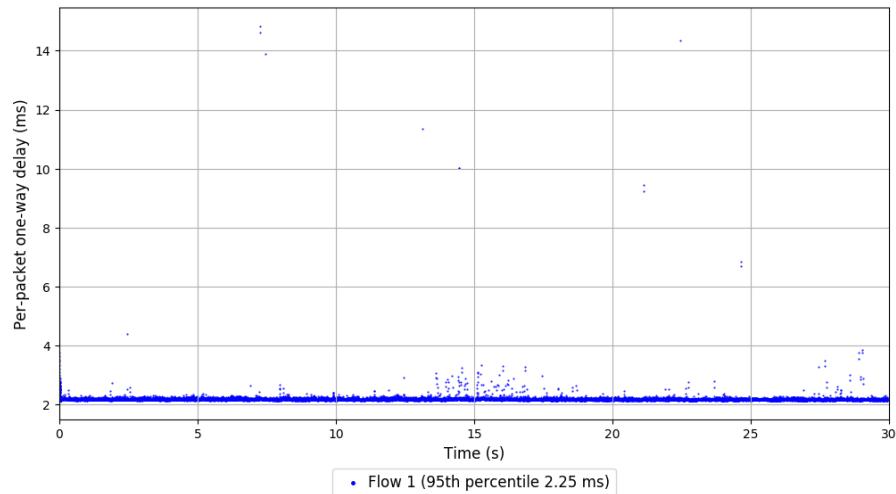
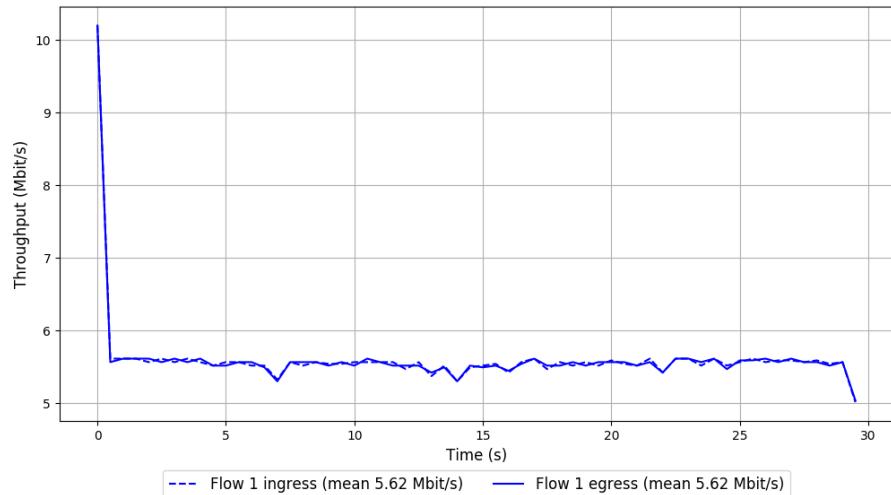


Run 3: Statistics of KohoCC

```
Start at: Sun, 16 Jul 2017 22:36:46 +0000
End at: Sun, 16 Jul 2017 22:37:16 +0000
Local clock offset: -3.423 ms
Remote clock offset: 1.22 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 2.250 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 5.62 Mbit/s
95th percentile per-packet one-way delay: 2.250 ms
Loss rate: 0.01%
```

Run 3: Report of KohoCC — Data Link

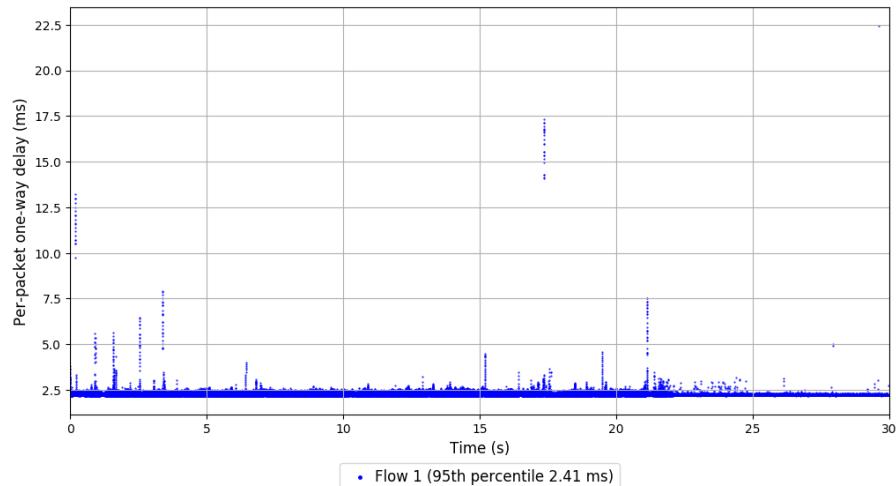
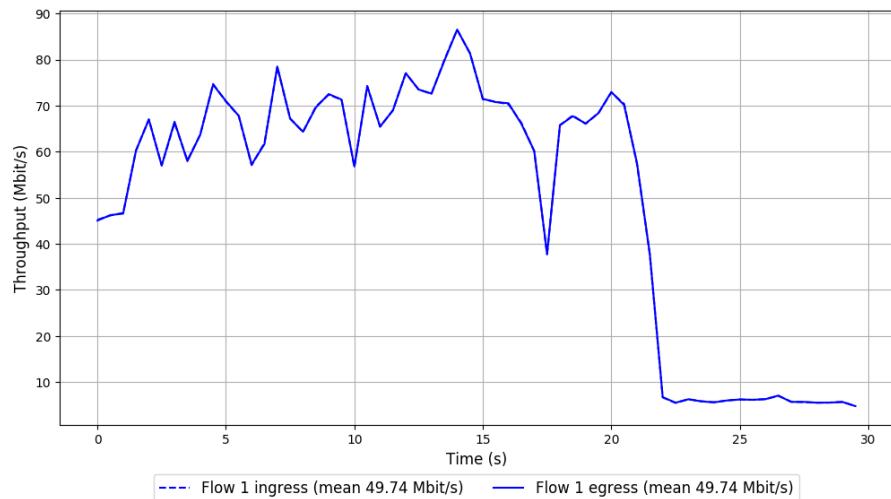


Run 4: Statistics of KohoCC

```
Start at: Sun, 16 Jul 2017 22:53:38 +0000
End at: Sun, 16 Jul 2017 22:54:08 +0000
Local clock offset: -3.539 ms
Remote clock offset: 0.657 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 2.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.74 Mbit/s
95th percentile per-packet one-way delay: 2.408 ms
Loss rate: 0.00%
```

Run 4: Report of KohoCC — Data Link

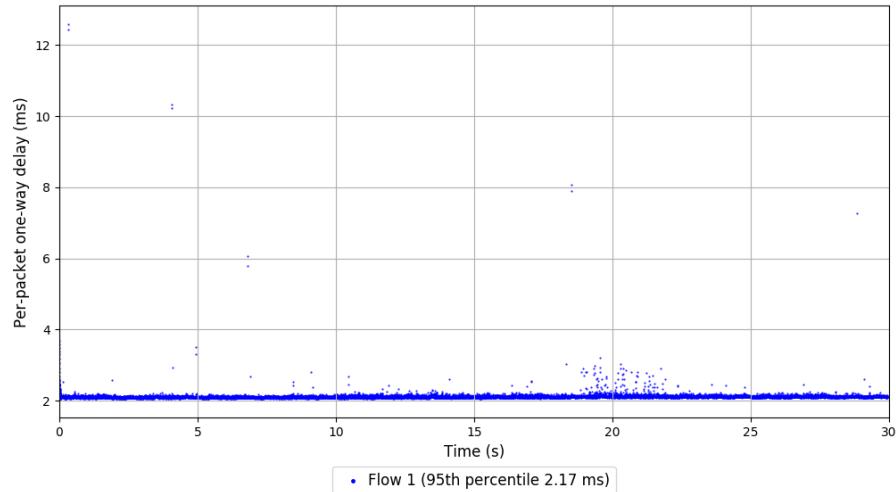
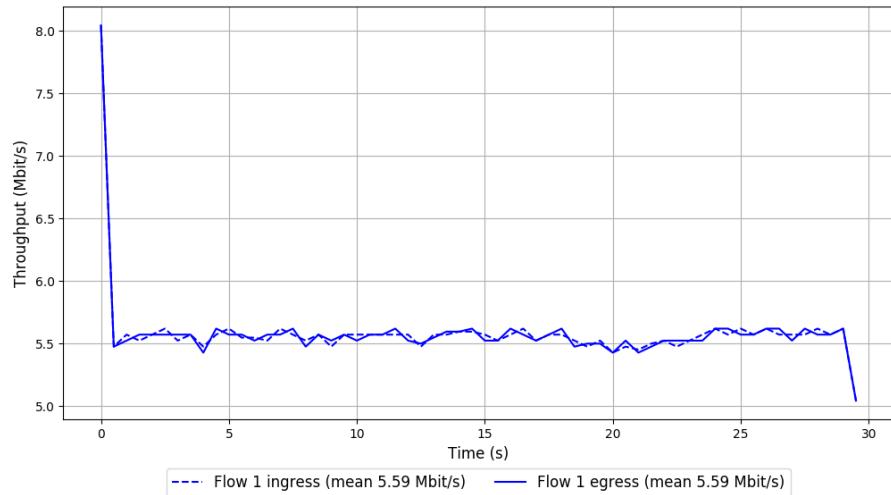


Run 5: Statistics of KohoCC

```
Start at: Sun, 16 Jul 2017 23:10:41 +0000
End at: Sun, 16 Jul 2017 23:11:11 +0000
Local clock offset: -3.768 ms
Remote clock offset: 1.066 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 2.172 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 2.172 ms
Loss rate: 0.01%
```

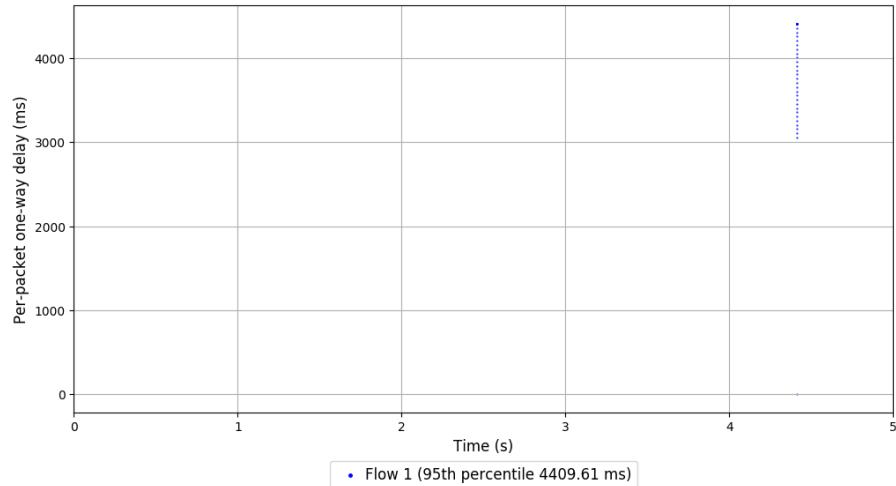
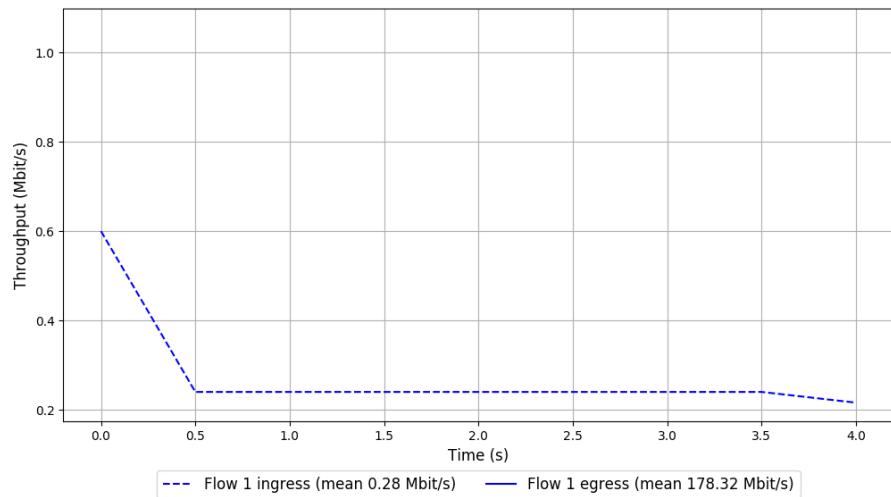
Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 23:27:40 +0000
End at: Sun, 16 Jul 2017 23:28:10 +0000
Local clock offset: -3.882 ms
Remote clock offset: 1.156 ms

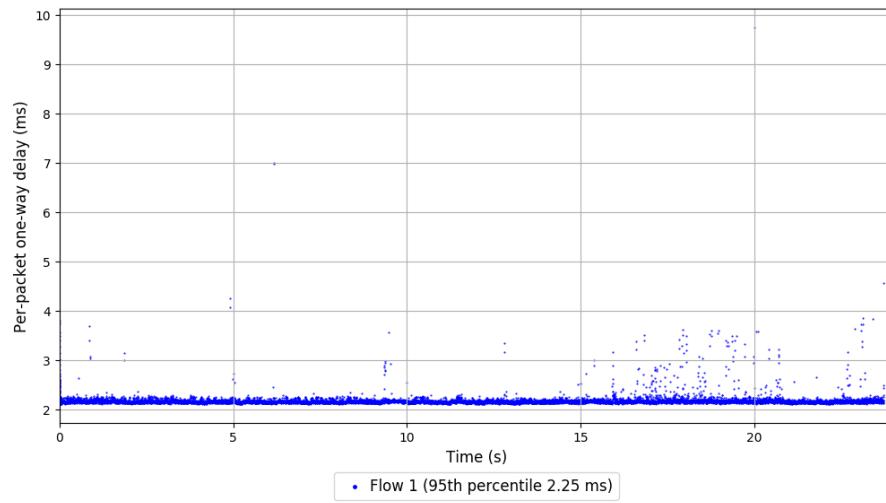
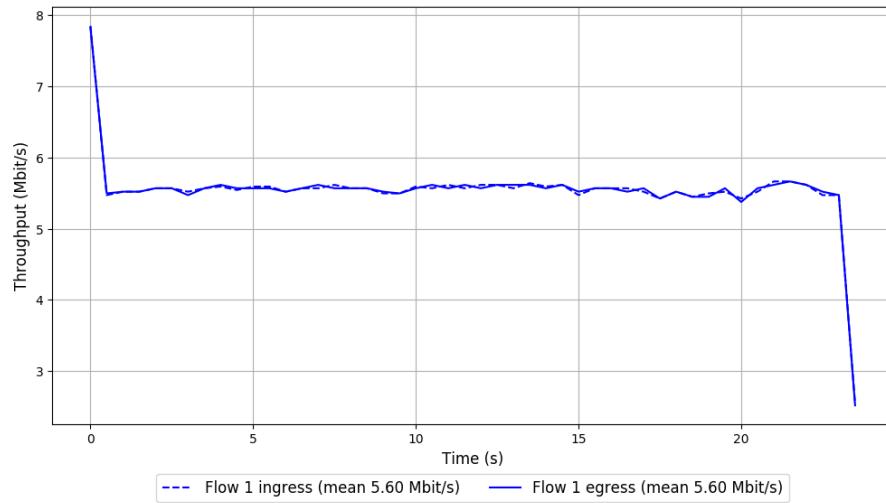
Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 23:44:37 +0000
End at: Sun, 16 Jul 2017 23:45:07 +0000
Local clock offset: -4.104 ms
Remote clock offset: 0.59 ms

Run 7: Report of KohoCC — Data Link

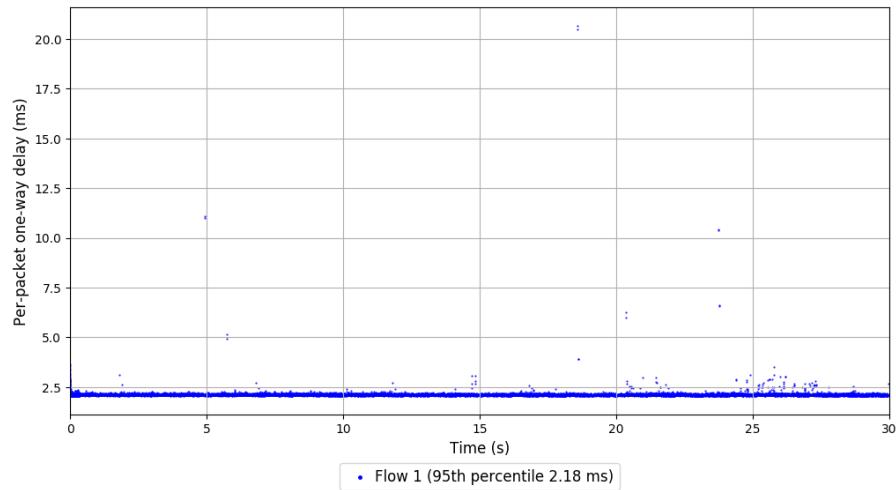
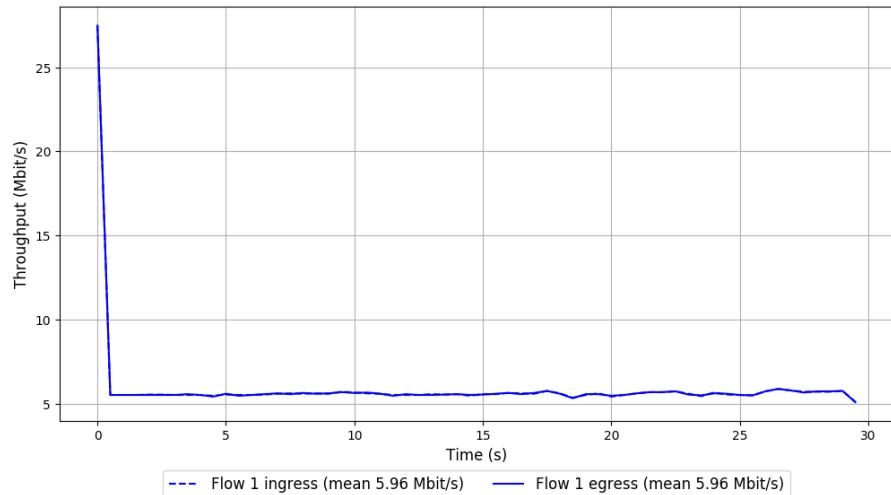


Run 8: Statistics of KohoCC

```
Start at: Mon, 17 Jul 2017 00:01:36 +0000
End at: Mon, 17 Jul 2017 00:02:06 +0000
Local clock offset: -4.418 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.96 Mbit/s
95th percentile per-packet one-way delay: 2.184 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 5.96 Mbit/s
95th percentile per-packet one-way delay: 2.184 ms
Loss rate: 0.01%
```

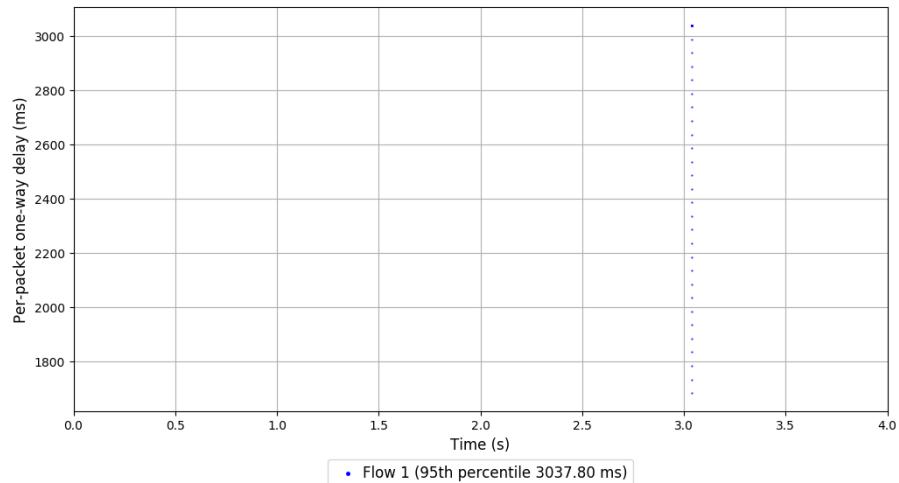
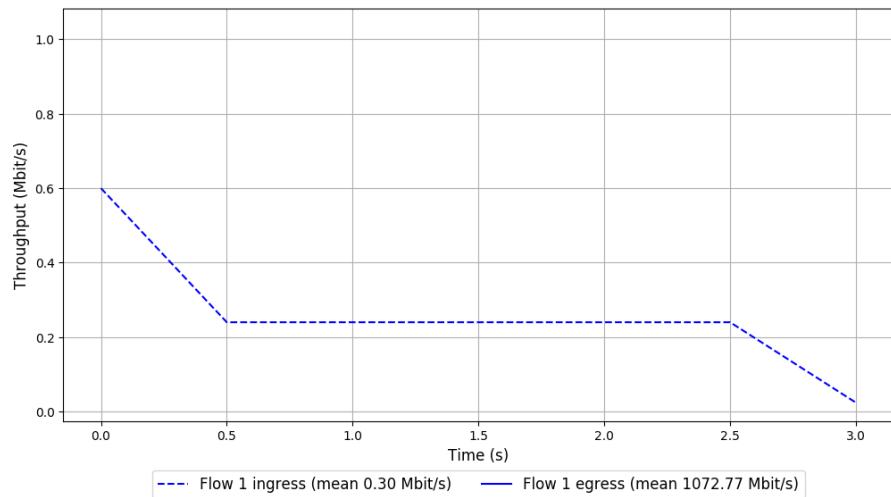
Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Mon, 17 Jul 2017 00:18:35 +0000
End at: Mon, 17 Jul 2017 00:19:05 +0000
Local clock offset: -4.454 ms
Remote clock offset: -0.675 ms

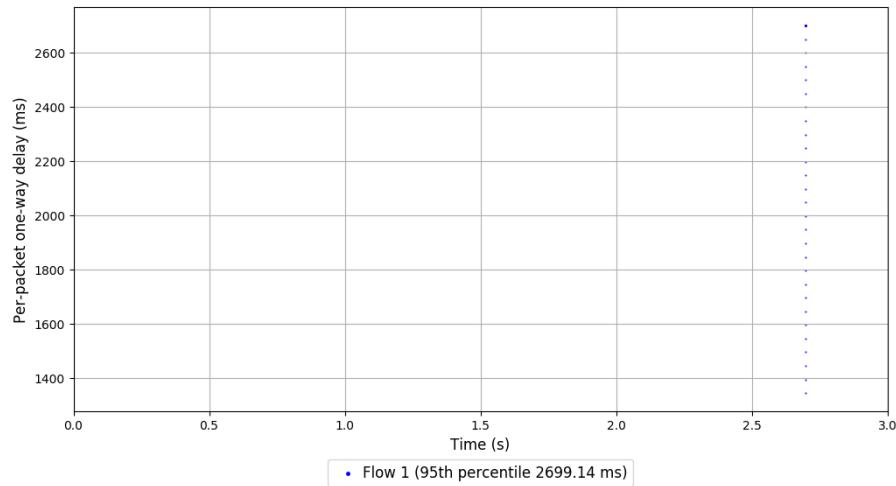
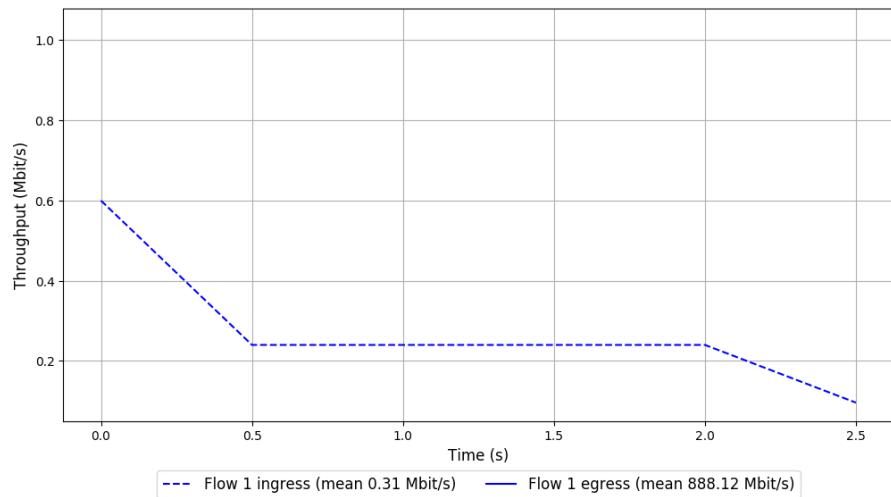
Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Mon, 17 Jul 2017 00:35:33 +0000
End at: Mon, 17 Jul 2017 00:36:03 +0000
Local clock offset: -3.954 ms
Remote clock offset: -0.707 ms

Run 10: Report of KohoCC — Data Link

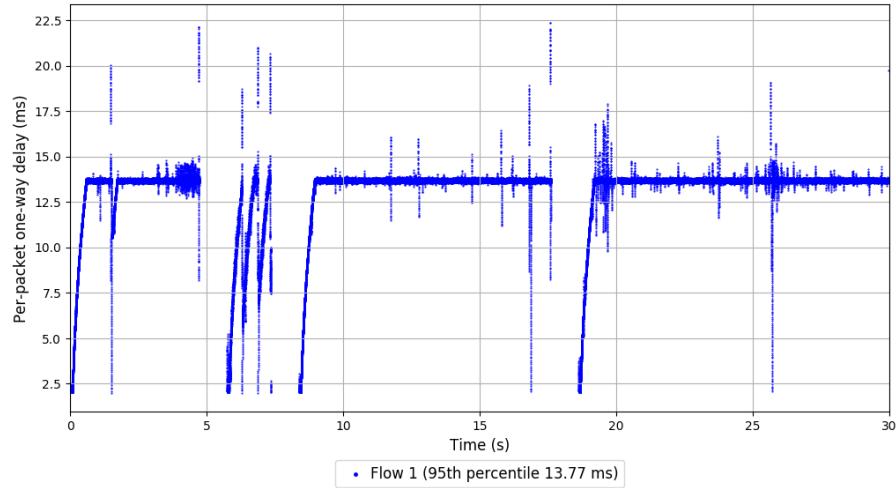
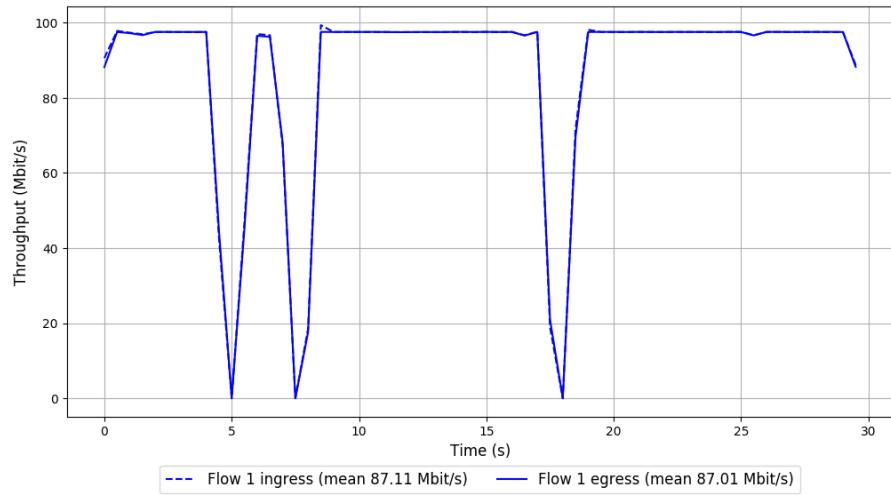


Run 1: Statistics of LEDBAT

```
Start at: Sun, 16 Jul 2017 22:11:56 +0000
End at: Sun, 16 Jul 2017 22:12:26 +0000
Local clock offset: -3.327 ms
Remote clock offset: 1.445 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 13.770 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 13.770 ms
Loss rate: 0.13%
```

Run 1: Report of LEDBAT — Data Link

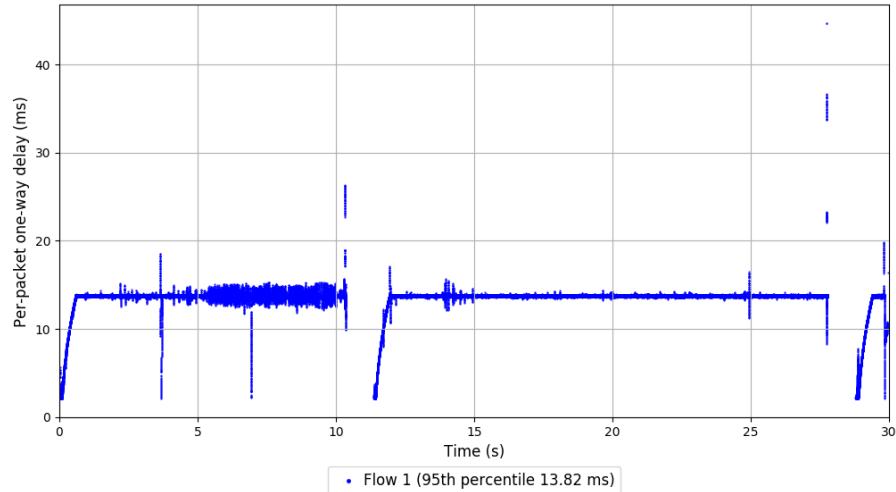
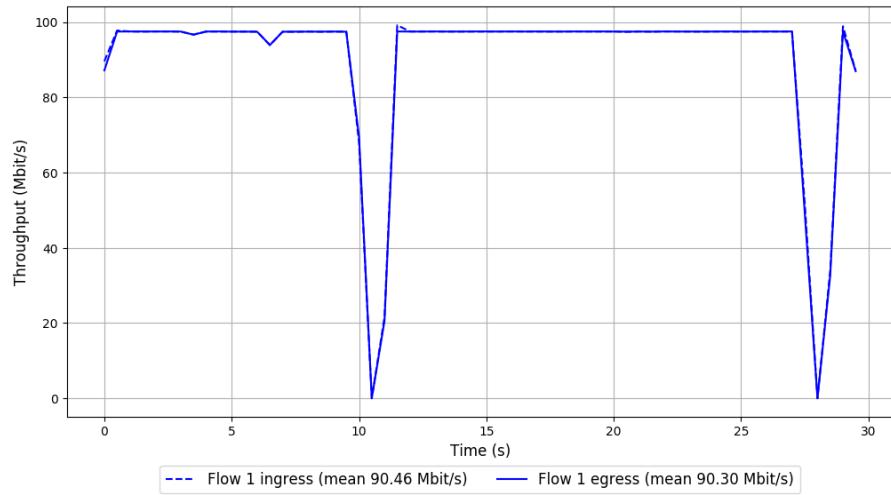


Run 2: Statistics of LEDBAT

```
Start at: Sun, 16 Jul 2017 22:28:55 +0000
End at: Sun, 16 Jul 2017 22:29:25 +0000
Local clock offset: -3.403 ms
Remote clock offset: 1.407 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 13.822 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 90.30 Mbit/s
95th percentile per-packet one-way delay: 13.822 ms
Loss rate: 0.17%
```

Run 2: Report of LEDBAT — Data Link

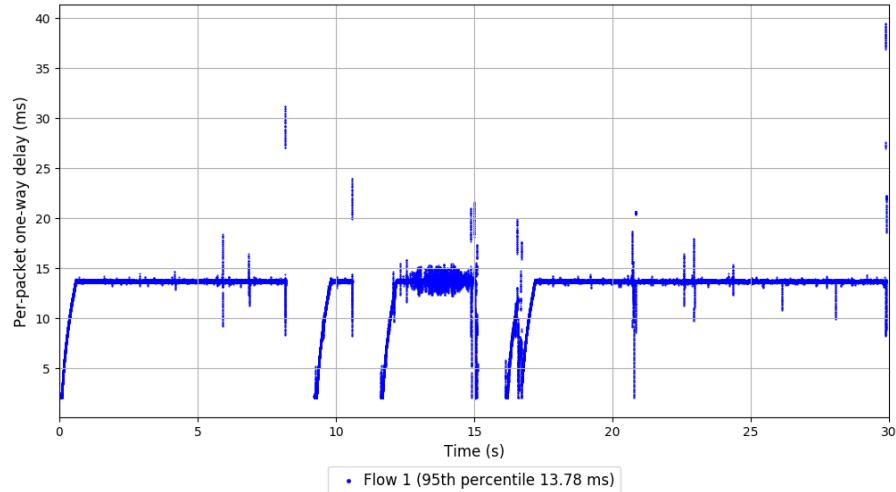
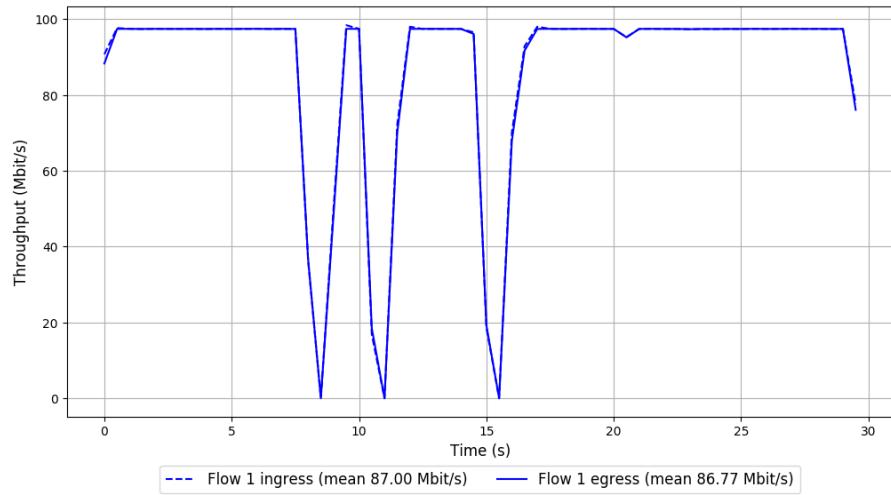


Run 3: Statistics of LEDBAT

```
Start at: Sun, 16 Jul 2017 22:45:47 +0000
End at: Sun, 16 Jul 2017 22:46:17 +0000
Local clock offset: -3.259 ms
Remote clock offset: 1.134 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.77 Mbit/s
95th percentile per-packet one-way delay: 13.779 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 86.77 Mbit/s
95th percentile per-packet one-way delay: 13.779 ms
Loss rate: 0.22%
```

Run 3: Report of LEDBAT — Data Link

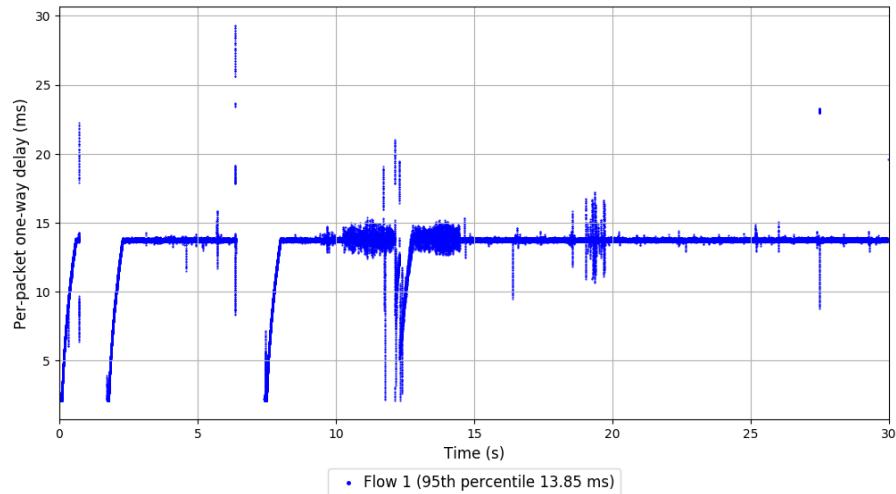
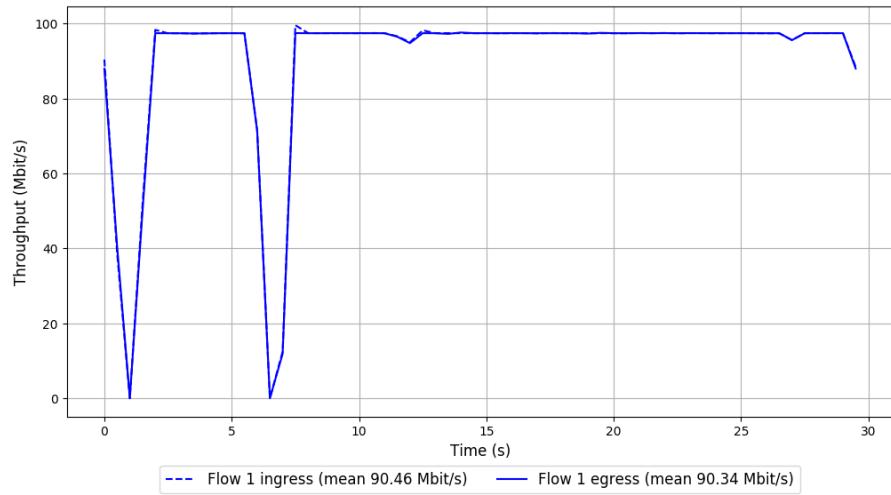


Run 4: Statistics of LEDBAT

```
Start at: Sun, 16 Jul 2017 23:02:50 +0000
End at: Sun, 16 Jul 2017 23:03:20 +0000
Local clock offset: -3.539 ms
Remote clock offset: 0.923 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.34 Mbit/s
95th percentile per-packet one-way delay: 13.851 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 90.34 Mbit/s
95th percentile per-packet one-way delay: 13.851 ms
Loss rate: 0.14%
```

Run 4: Report of LEDBAT — Data Link

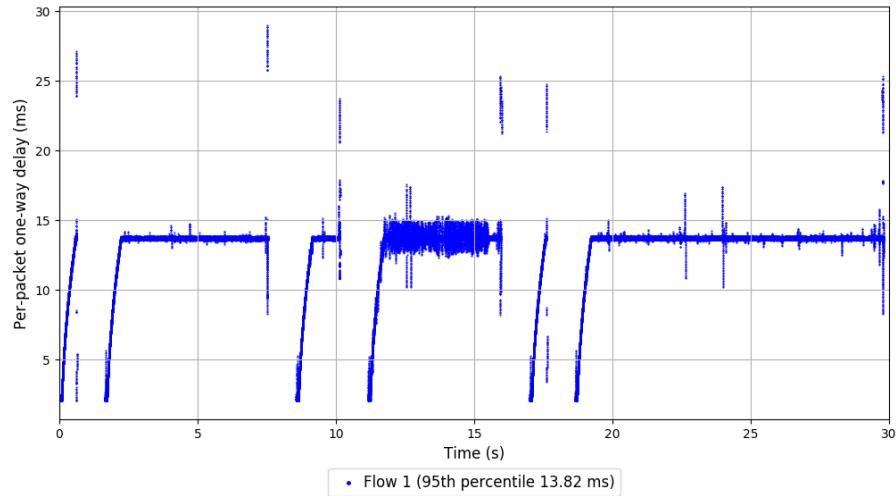
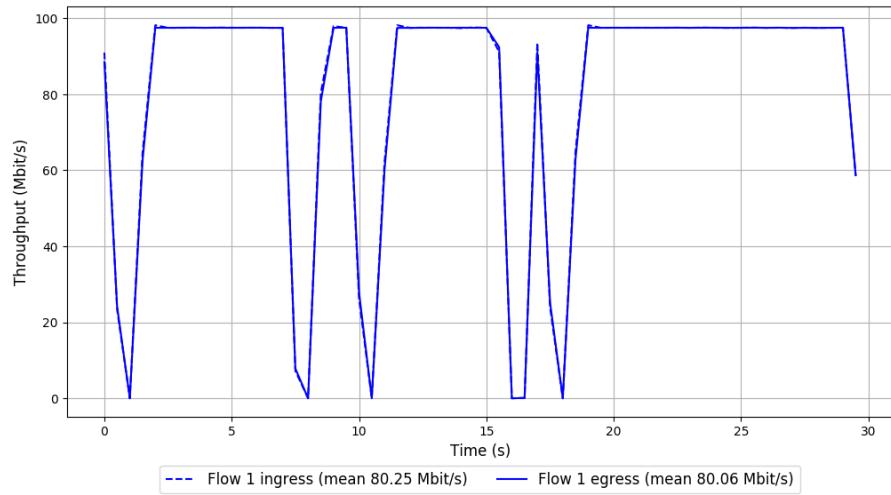


Run 5: Statistics of LEDBAT

```
Start at: Sun, 16 Jul 2017 23:19:49 +0000
End at: Sun, 16 Jul 2017 23:20:19 +0000
Local clock offset: -3.806 ms
Remote clock offset: 1.233 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.06 Mbit/s
95th percentile per-packet one-way delay: 13.816 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 80.06 Mbit/s
95th percentile per-packet one-way delay: 13.816 ms
Loss rate: 0.21%
```

Run 5: Report of LEDBAT — Data Link

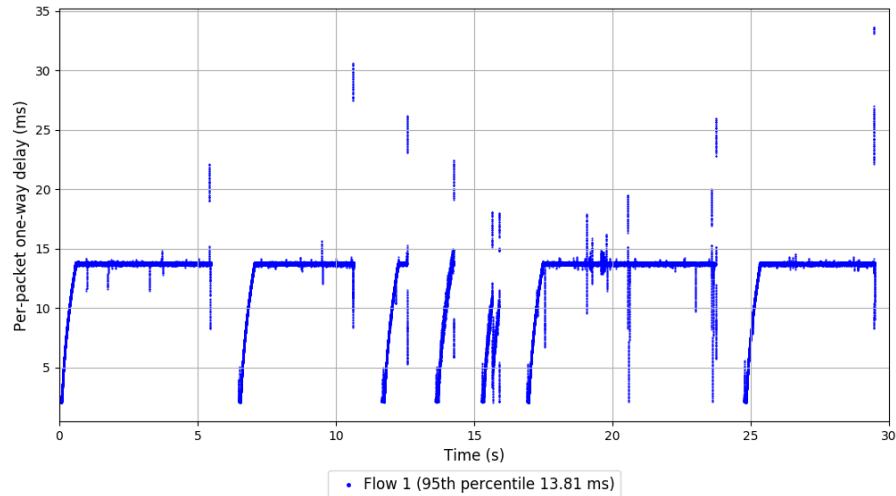
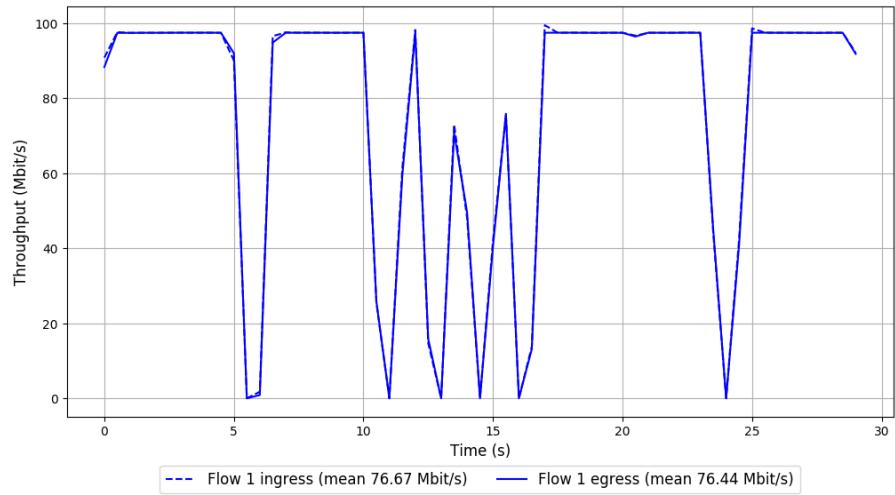


Run 6: Statistics of LEDBAT

```
Start at: Sun, 16 Jul 2017 23:36:47 +0000
End at: Sun, 16 Jul 2017 23:37:18 +0000
Local clock offset: -3.952 ms
Remote clock offset: 0.941 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.44 Mbit/s
95th percentile per-packet one-way delay: 13.814 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 76.44 Mbit/s
95th percentile per-packet one-way delay: 13.814 ms
Loss rate: 0.26%
```

Run 6: Report of LEDBAT — Data Link

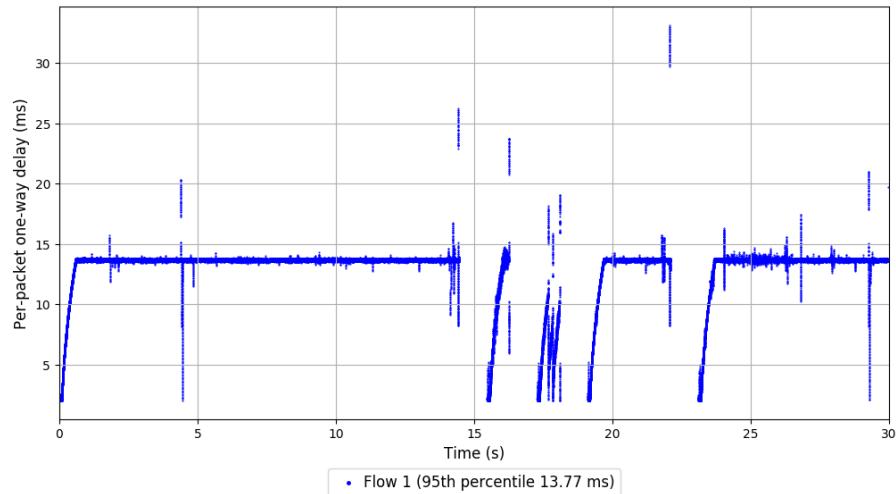
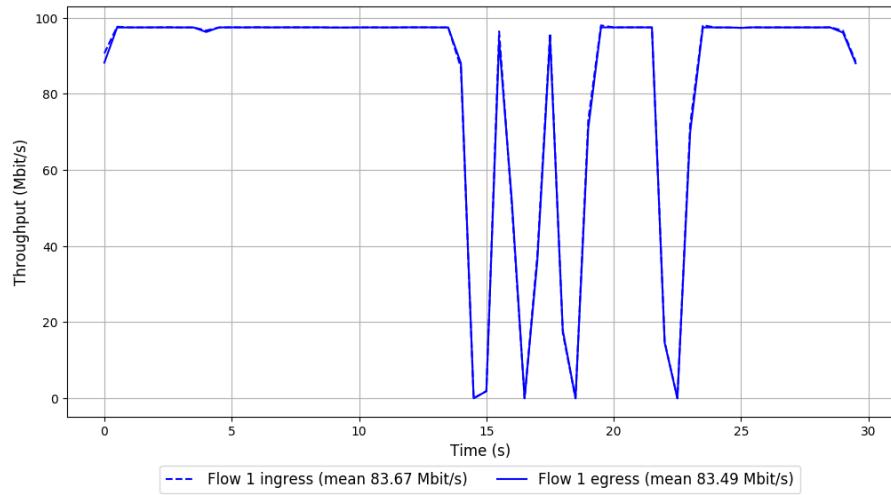


Run 7: Statistics of LEDBAT

```
Start at: Sun, 16 Jul 2017 23:53:45 +0000
End at: Sun, 16 Jul 2017 23:54:15 +0000
Local clock offset: -4.363 ms
Remote clock offset: 0.249 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.49 Mbit/s
95th percentile per-packet one-way delay: 13.772 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 83.49 Mbit/s
95th percentile per-packet one-way delay: 13.772 ms
Loss rate: 0.23%
```

Run 7: Report of LEDBAT — Data Link

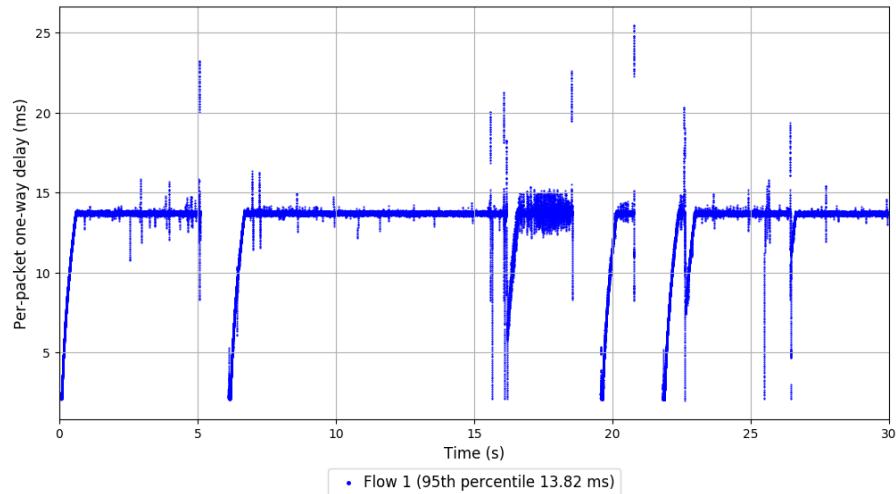
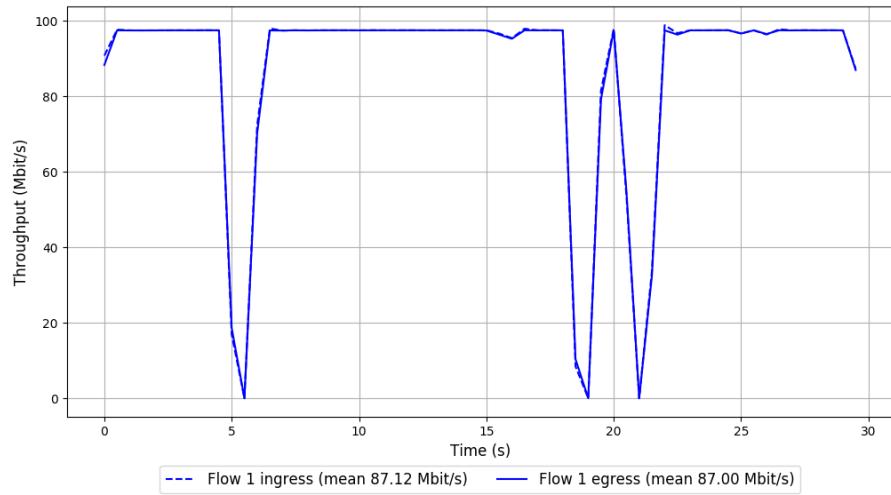


Run 8: Statistics of LEDBAT

```
Start at: Mon, 17 Jul 2017 00:10:44 +0000
End at: Mon, 17 Jul 2017 00:11:14 +0000
Local clock offset: -4.574 ms
Remote clock offset: -0.514 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 13.818 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 13.818 ms
Loss rate: 0.15%
```

Run 8: Report of LEDBAT — Data Link

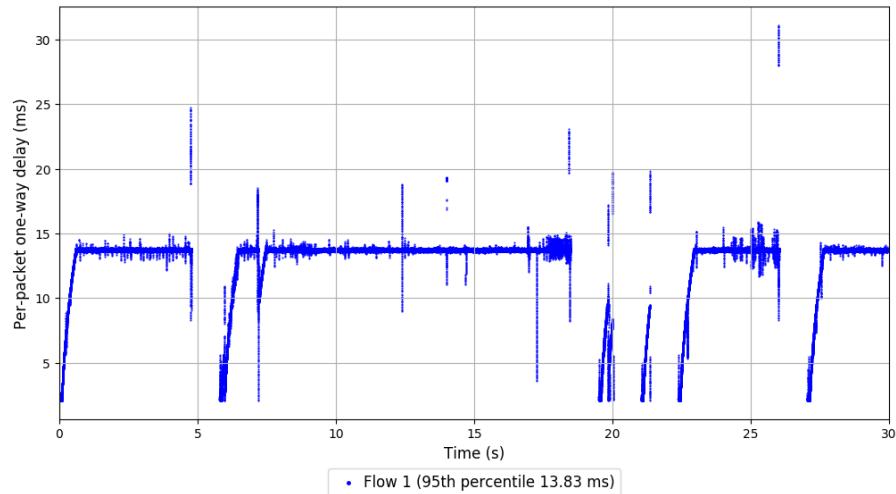
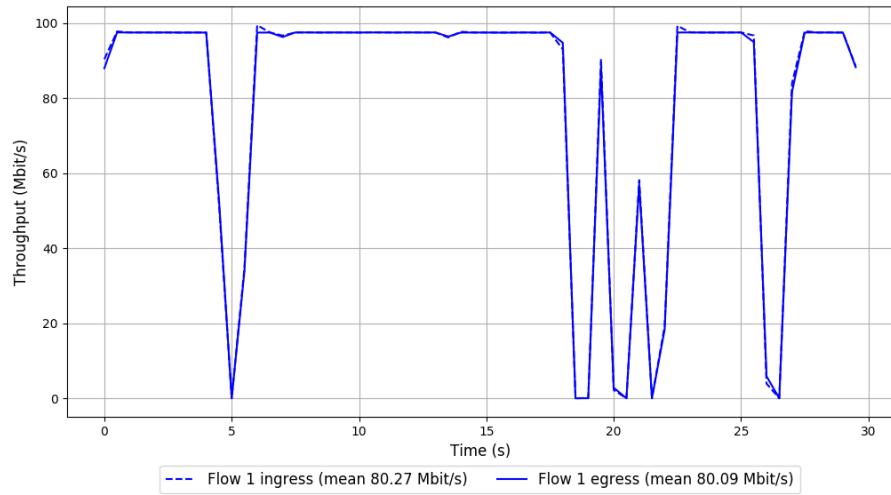


Run 9: Statistics of LEDBAT

```
Start at: Mon, 17 Jul 2017 00:27:42 +0000
End at: Mon, 17 Jul 2017 00:28:13 +0000
Local clock offset: -4.223 ms
Remote clock offset: -0.634 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.09 Mbit/s
95th percentile per-packet one-way delay: 13.832 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 80.09 Mbit/s
95th percentile per-packet one-way delay: 13.832 ms
Loss rate: 0.24%
```

Run 9: Report of LEDBAT — Data Link

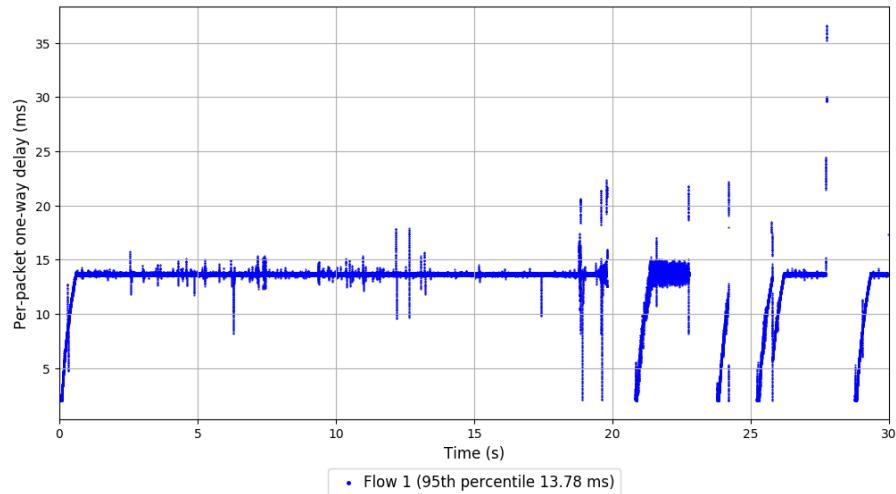
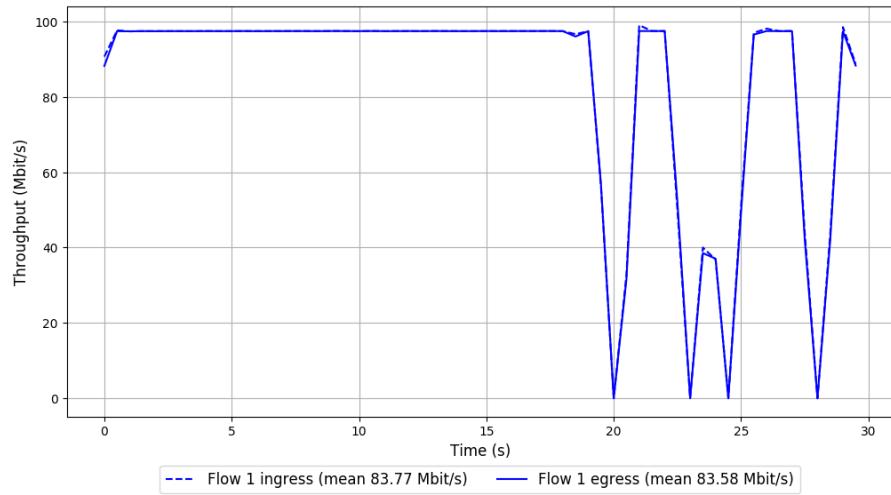


Run 10: Statistics of LEDBAT

```
Start at: Mon, 17 Jul 2017 00:44:41 +0000
End at: Mon, 17 Jul 2017 00:45:11 +0000
Local clock offset: -3.445 ms
Remote clock offset: -0.88 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:14 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.58 Mbit/s
95th percentile per-packet one-way delay: 13.775 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 83.58 Mbit/s
95th percentile per-packet one-way delay: 13.775 ms
Loss rate: 0.25%
```

Run 10: Report of LEDBAT — Data Link

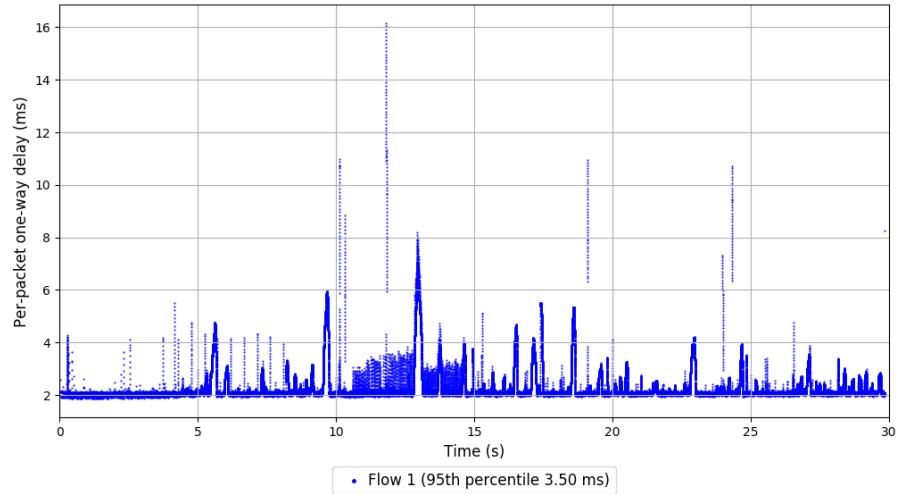
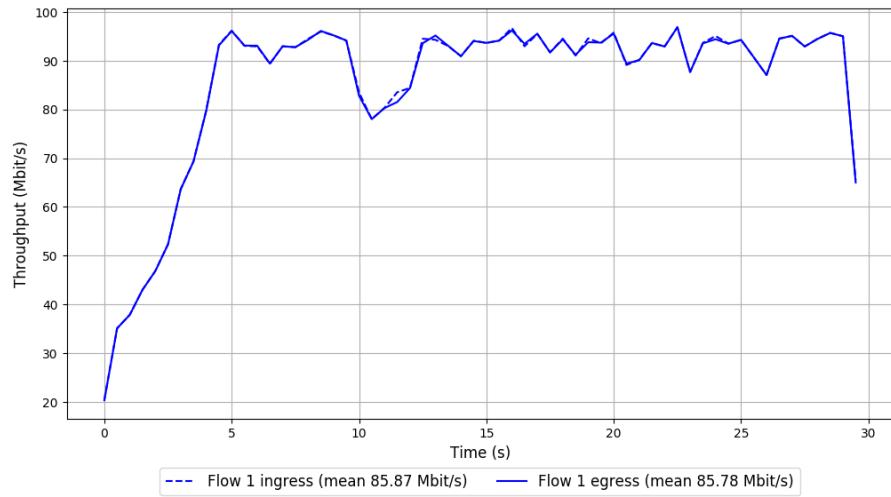


Run 1: Statistics of PCC

```
Start at: Sun, 16 Jul 2017 22:10:49 +0000
End at: Sun, 16 Jul 2017 22:11:19 +0000
Local clock offset: -3.354 ms
Remote clock offset: 1.336 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 3.501 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 85.78 Mbit/s
95th percentile per-packet one-way delay: 3.501 ms
Loss rate: 0.10%
```

Run 1: Report of PCC — Data Link

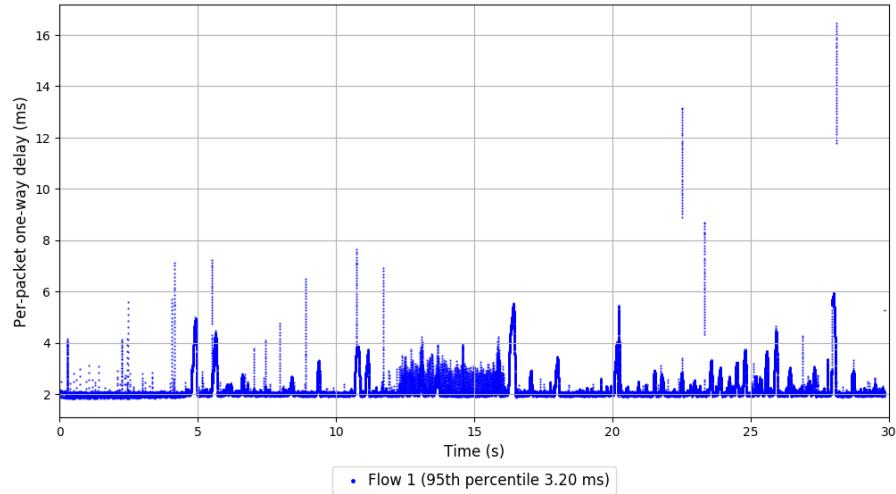
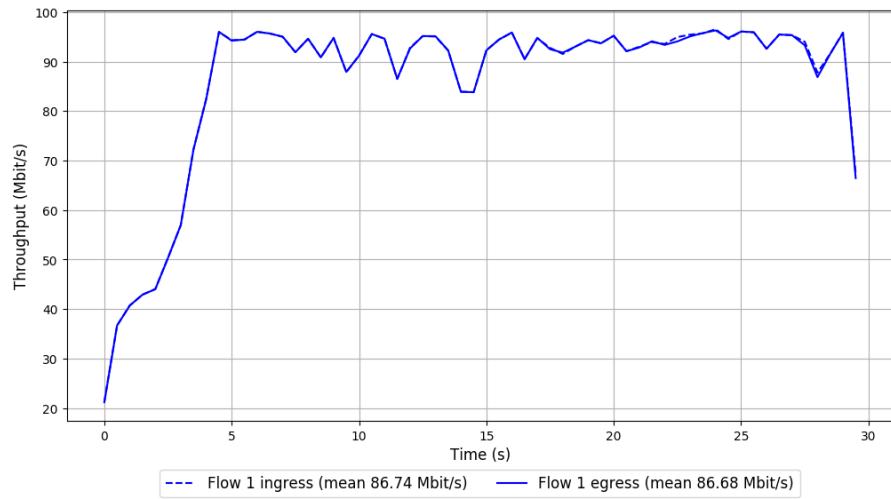


Run 2: Statistics of PCC

```
Start at: Sun, 16 Jul 2017 22:27:48 +0000
End at: Sun, 16 Jul 2017 22:28:18 +0000
Local clock offset: -3.451 ms
Remote clock offset: 1.413 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 3.198 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 86.68 Mbit/s
95th percentile per-packet one-way delay: 3.198 ms
Loss rate: 0.08%
```

Run 2: Report of PCC — Data Link

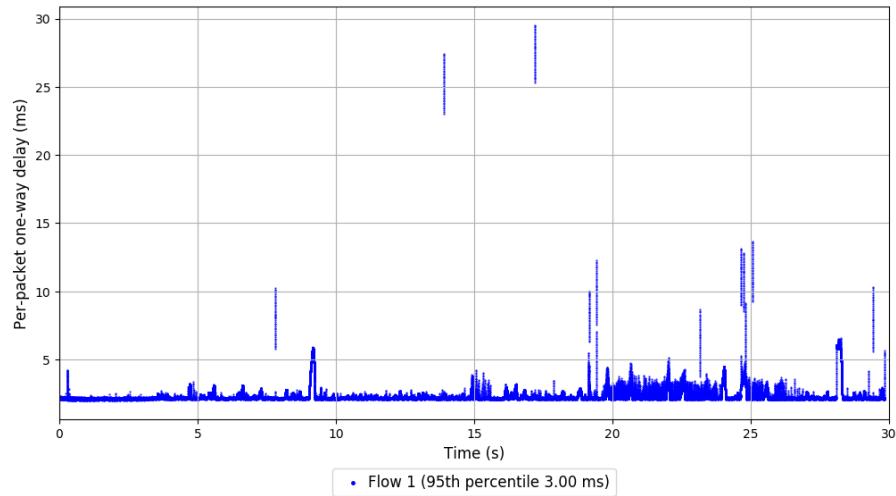
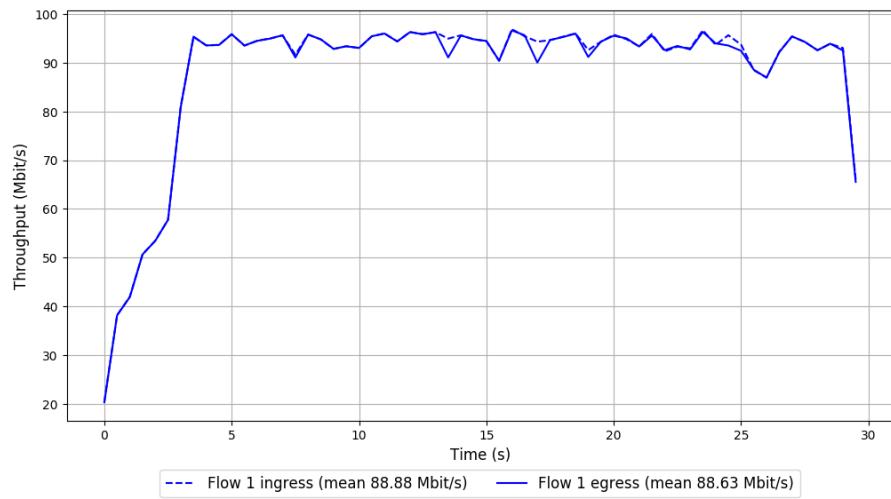


Run 3: Statistics of PCC

```
Start at: Sun, 16 Jul 2017 22:44:40 +0000
End at: Sun, 16 Jul 2017 22:45:10 +0000
Local clock offset: -3.288 ms
Remote clock offset: 1.025 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.63 Mbit/s
95th percentile per-packet one-way delay: 2.995 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 88.63 Mbit/s
95th percentile per-packet one-way delay: 2.995 ms
Loss rate: 0.29%
```

Run 3: Report of PCC — Data Link

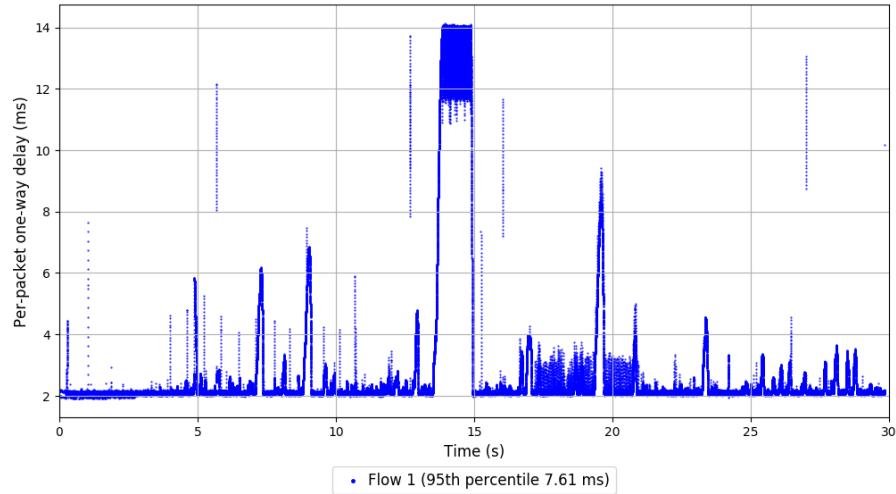
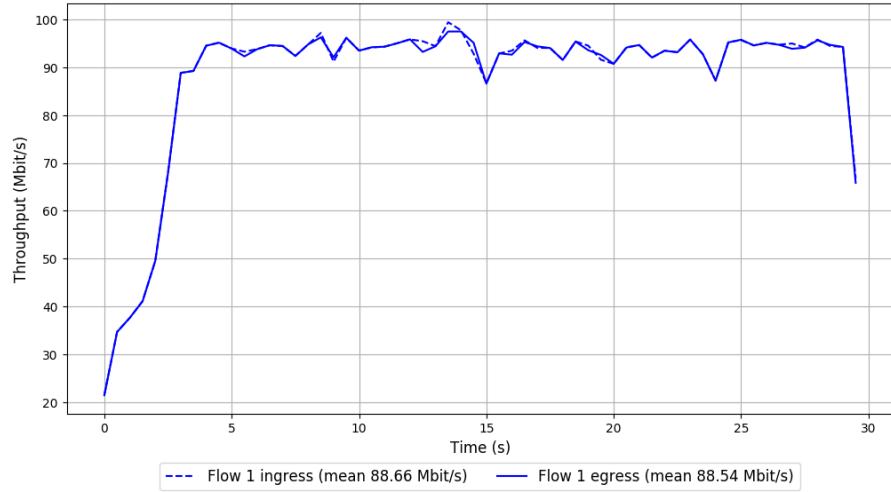


Run 4: Statistics of PCC

```
Start at: Sun, 16 Jul 2017 23:01:43 +0000
End at: Sun, 16 Jul 2017 23:02:13 +0000
Local clock offset: -3.621 ms
Remote clock offset: 0.793 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:39 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 7.605 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 88.54 Mbit/s
95th percentile per-packet one-way delay: 7.605 ms
Loss rate: 0.12%
```

Run 4: Report of PCC — Data Link

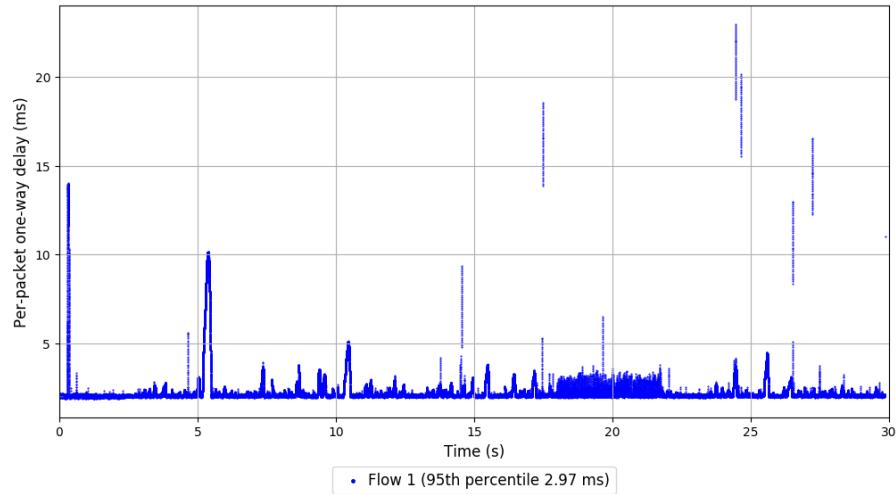
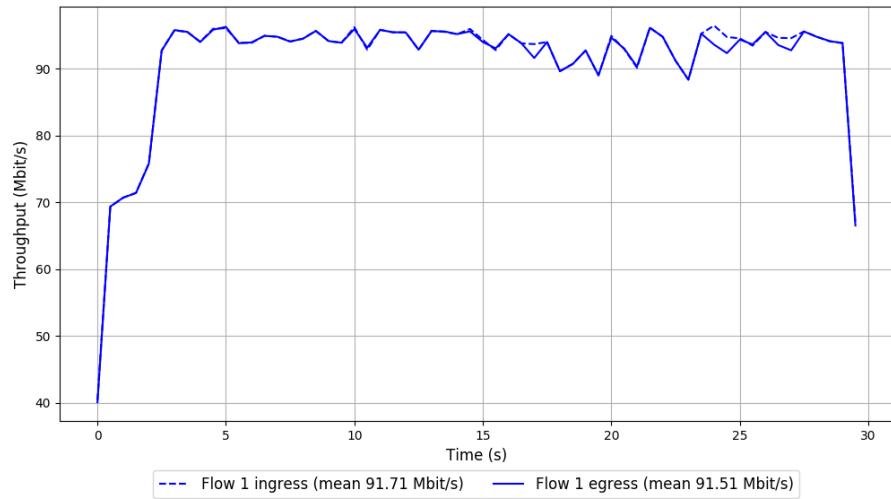


Run 5: Statistics of PCC

```
Start at: Sun, 16 Jul 2017 23:18:42 +0000
End at: Sun, 16 Jul 2017 23:19:12 +0000
Local clock offset: -3.79 ms
Remote clock offset: 1.262 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: 2.969 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 91.51 Mbit/s
95th percentile per-packet one-way delay: 2.969 ms
Loss rate: 0.21%
```

Run 5: Report of PCC — Data Link

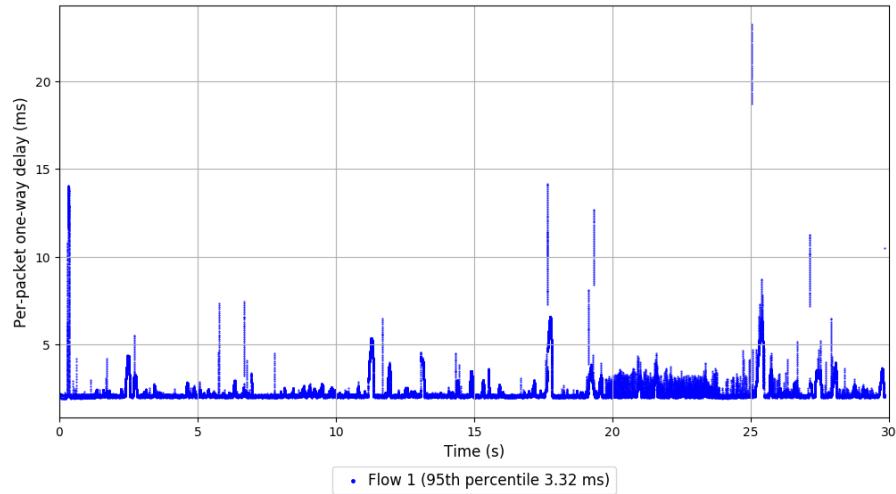
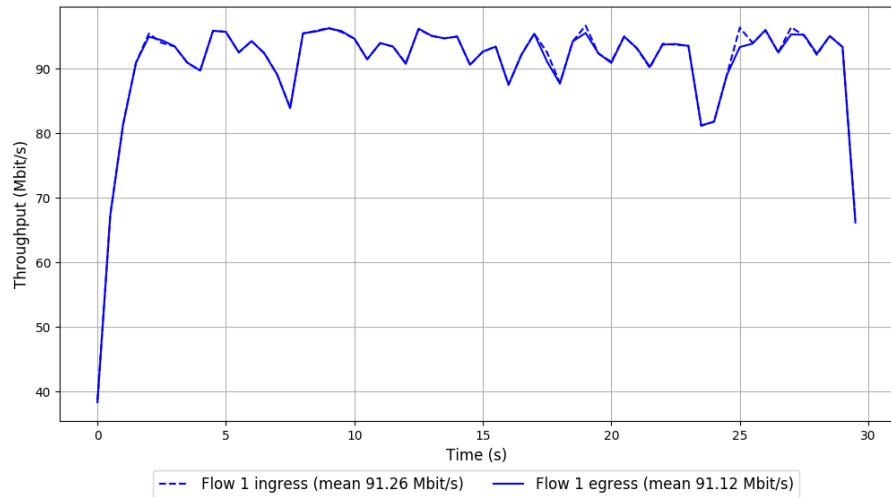


Run 6: Statistics of PCC

```
Start at: Sun, 16 Jul 2017 23:35:40 +0000
End at: Sun, 16 Jul 2017 23:36:10 +0000
Local clock offset: -3.953 ms
Remote clock offset: 0.982 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:52 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 3.319 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 3.319 ms
Loss rate: 0.14%
```

Run 6: Report of PCC — Data Link

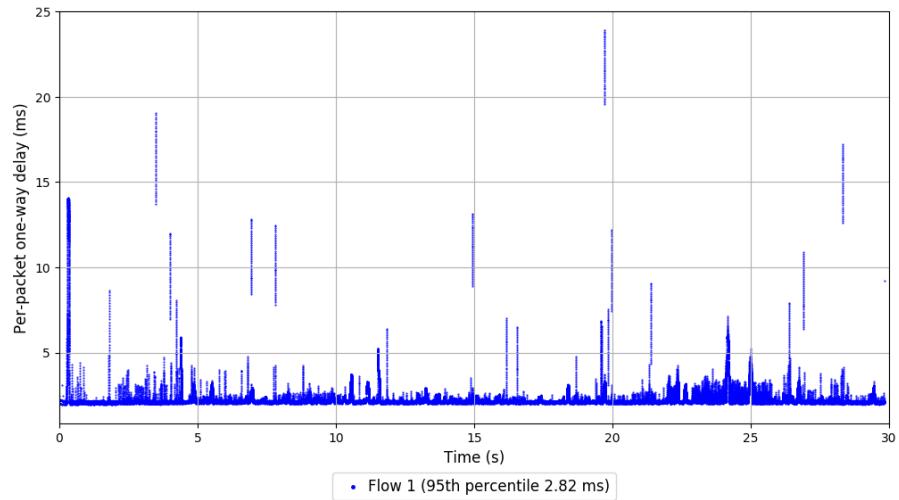
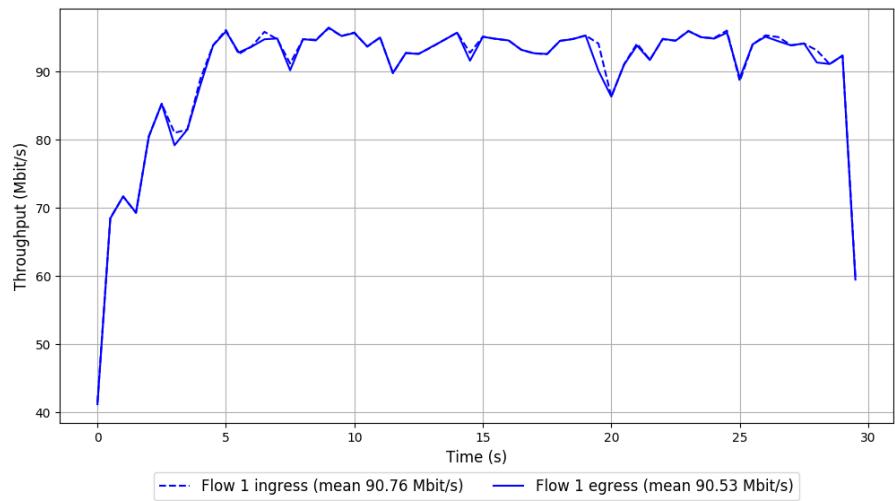


Run 7: Statistics of PCC

```
Start at: Sun, 16 Jul 2017 23:52:38 +0000
End at: Sun, 16 Jul 2017 23:53:08 +0000
Local clock offset: -4.233 ms
Remote clock offset: 0.312 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 2.820 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 90.53 Mbit/s
95th percentile per-packet one-way delay: 2.820 ms
Loss rate: 0.25%
```

Run 7: Report of PCC — Data Link

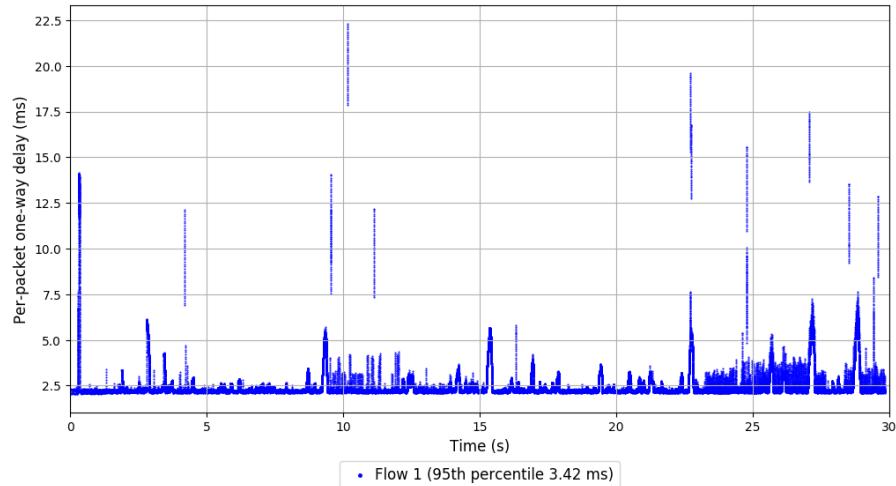
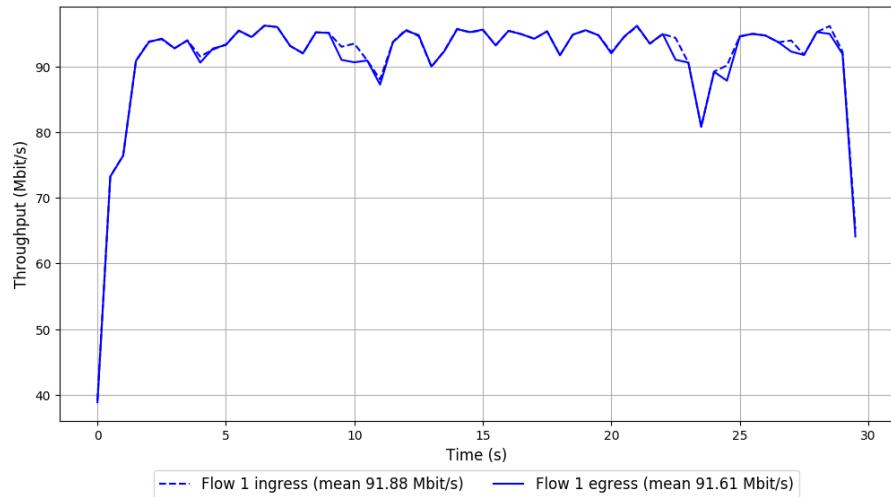


Run 8: Statistics of PCC

```
Start at: Mon, 17 Jul 2017 00:09:37 +0000
End at: Mon, 17 Jul 2017 00:10:07 +0000
Local clock offset: -4.468 ms
Remote clock offset: -0.47 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 3.418 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 3.418 ms
Loss rate: 0.31%
```

Run 8: Report of PCC — Data Link

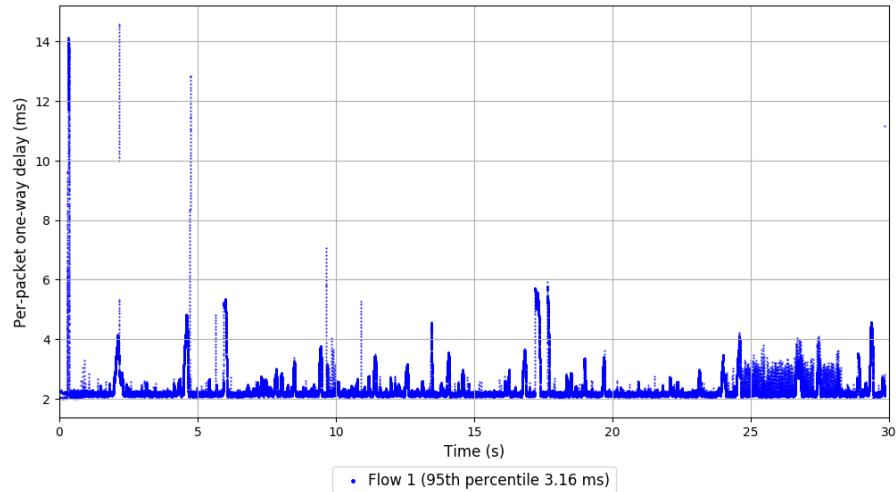
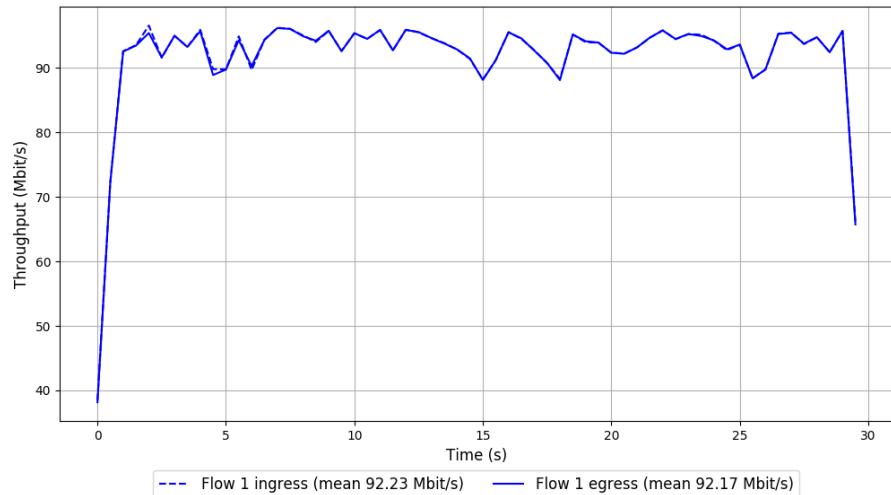


Run 9: Statistics of PCC

```
Start at: Mon, 17 Jul 2017 00:26:35 +0000
End at: Mon, 17 Jul 2017 00:27:05 +0000
Local clock offset: -4.233 ms
Remote clock offset: -0.675 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 3.162 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 92.17 Mbit/s
95th percentile per-packet one-way delay: 3.162 ms
Loss rate: 0.06%
```

Run 9: Report of PCC — Data Link

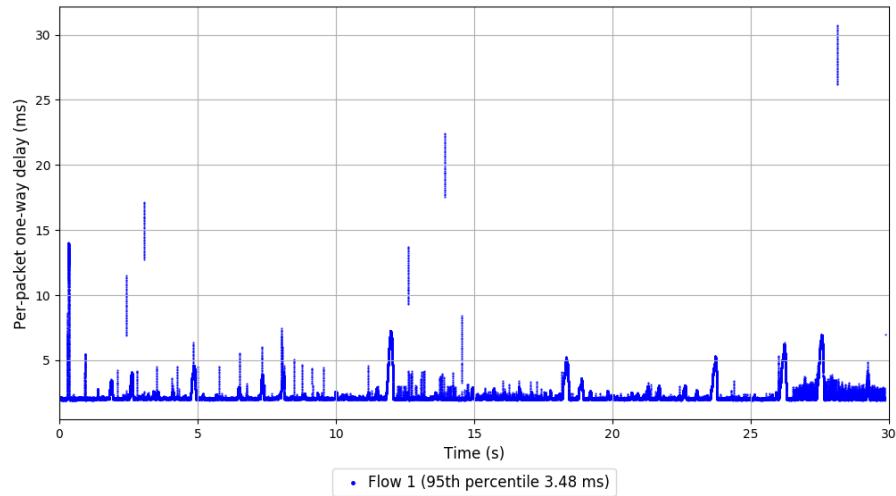
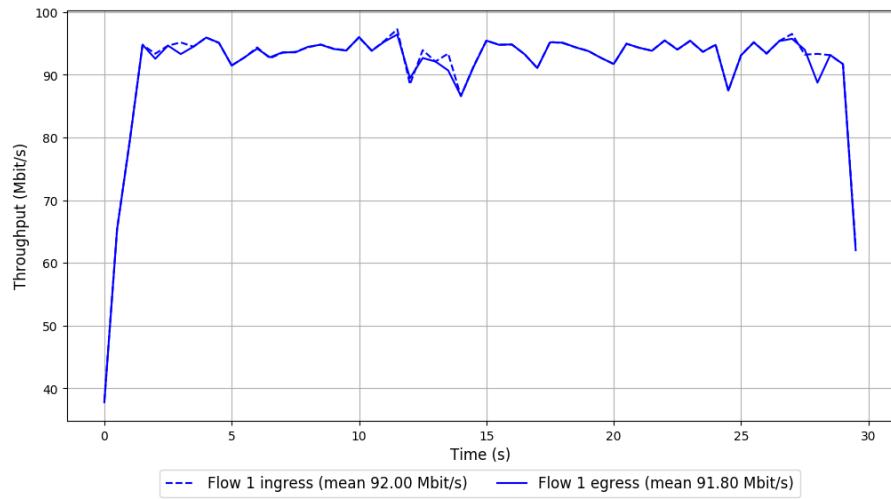


Run 10: Statistics of PCC

```
Start at: Mon, 17 Jul 2017 00:43:33 +0000
End at: Mon, 17 Jul 2017 00:44:03 +0000
Local clock offset: -3.522 ms
Remote clock offset: -0.847 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.80 Mbit/s
95th percentile per-packet one-way delay: 3.485 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 91.80 Mbit/s
95th percentile per-packet one-way delay: 3.485 ms
Loss rate: 0.22%
```

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

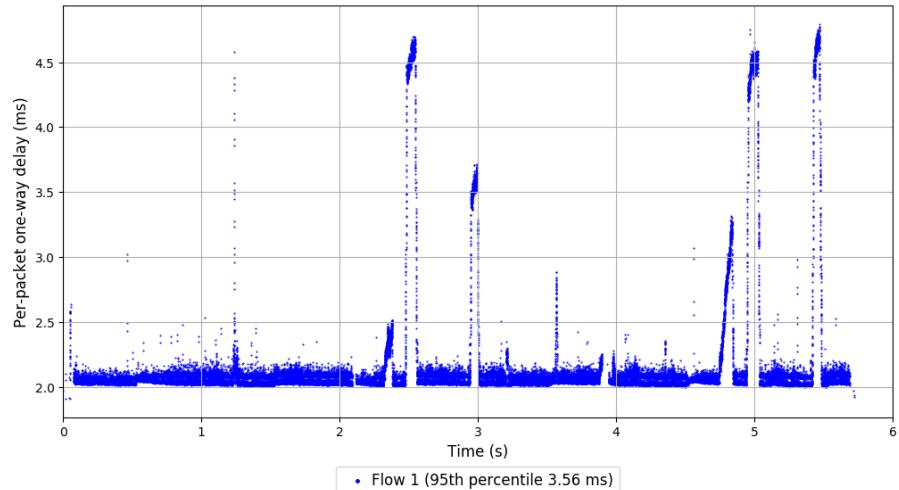
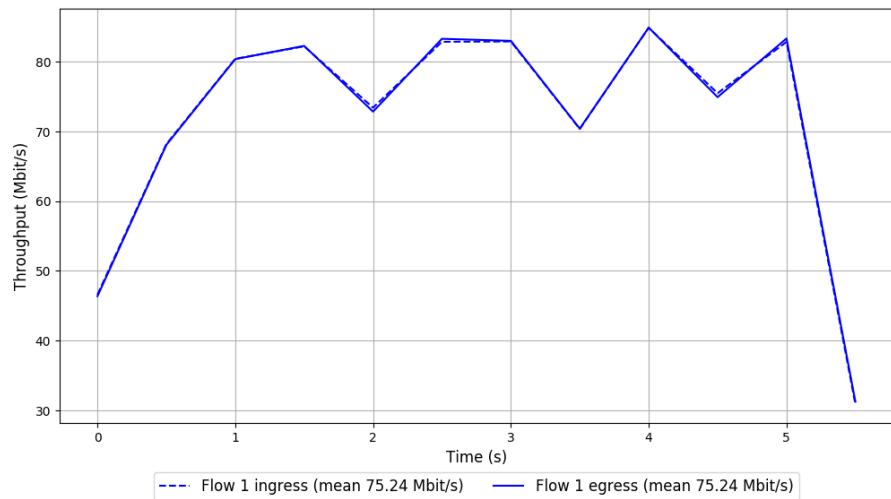
Start at: Sun, 16 Jul 2017 22:00:36 +0000

End at: Sun, 16 Jul 2017 22:01:06 +0000

Local clock offset: -3.446 ms

Remote clock offset: 1.27 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

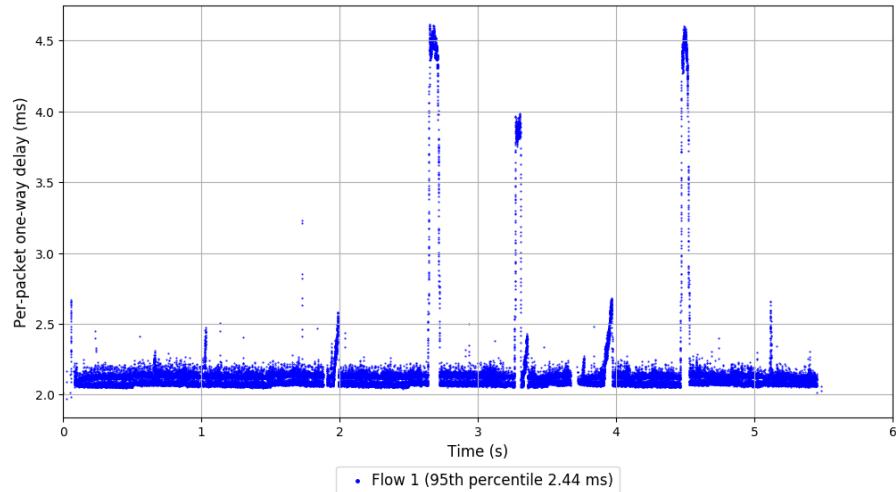
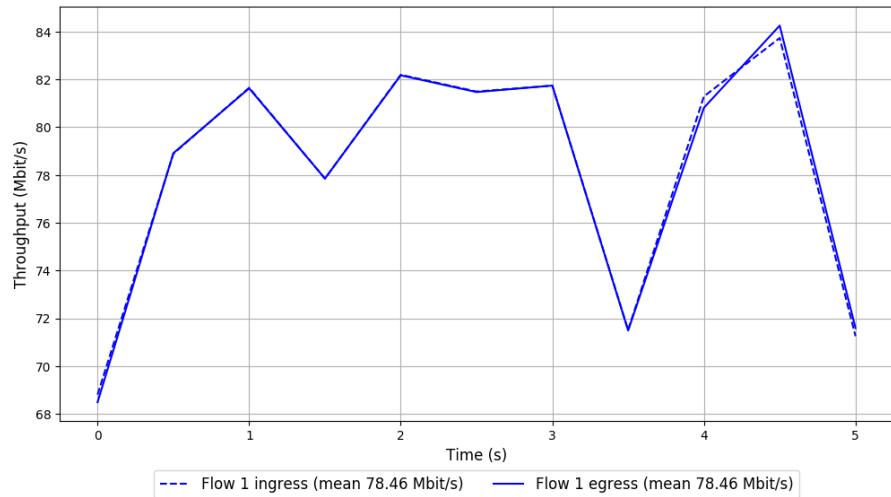
Start at: Sun, 16 Jul 2017 22:17:34 +0000

End at: Sun, 16 Jul 2017 22:18:04 +0000

Local clock offset: -3.405 ms

Remote clock offset: 1.376 ms

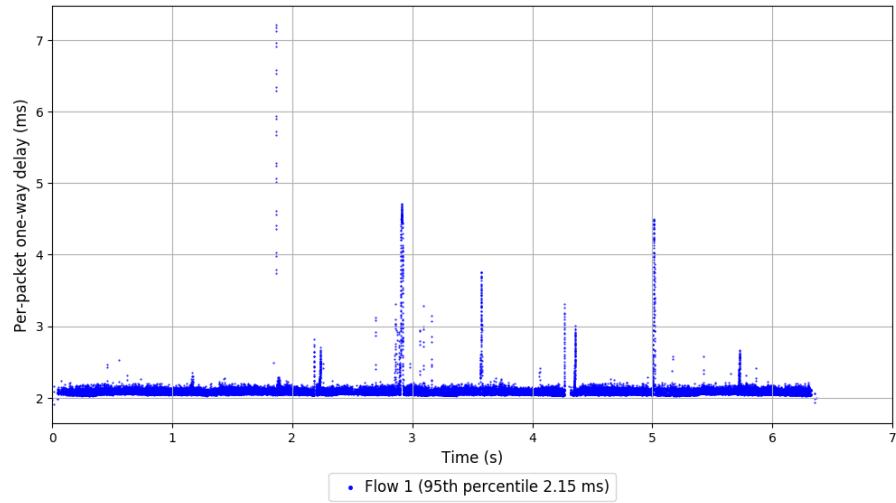
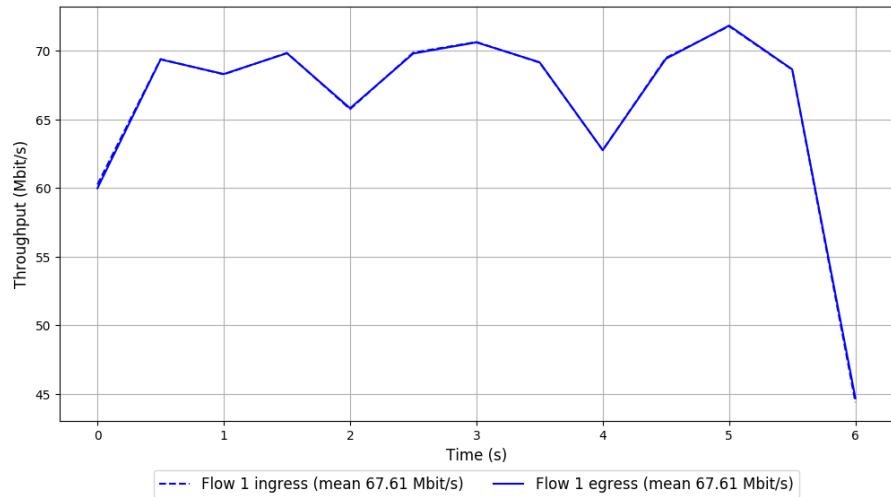
Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 22:34:33 +0000
End at: Sun, 16 Jul 2017 22:35:03 +0000
Local clock offset: -3.43 ms
Remote clock offset: 1.302 ms

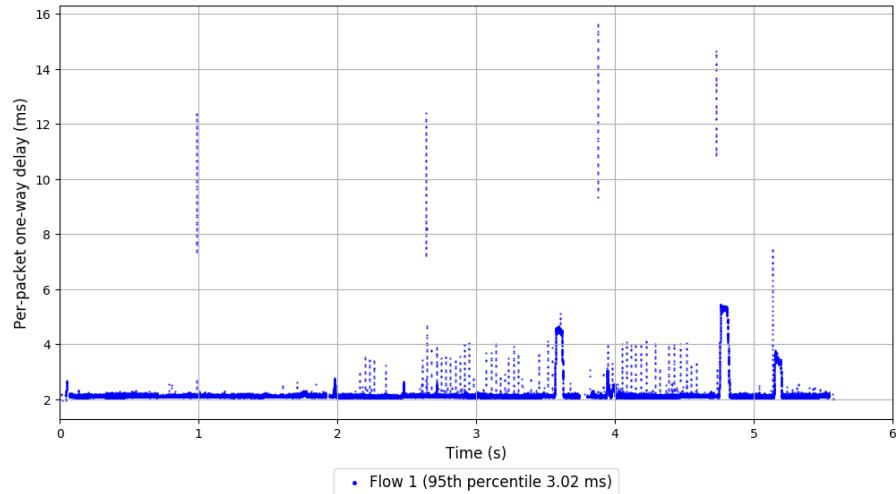
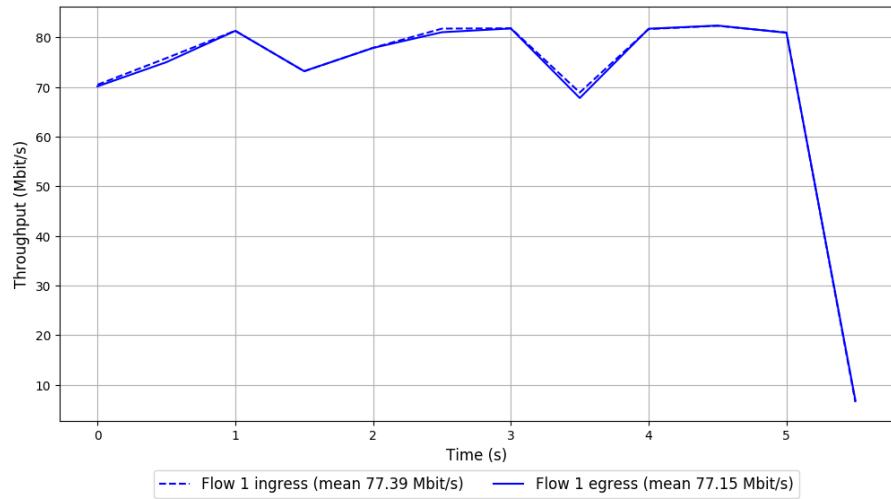
Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 22:51:25 +0000
End at: Sun, 16 Jul 2017 22:51:55 +0000
Local clock offset: -3.58 ms
Remote clock offset: 0.73 ms

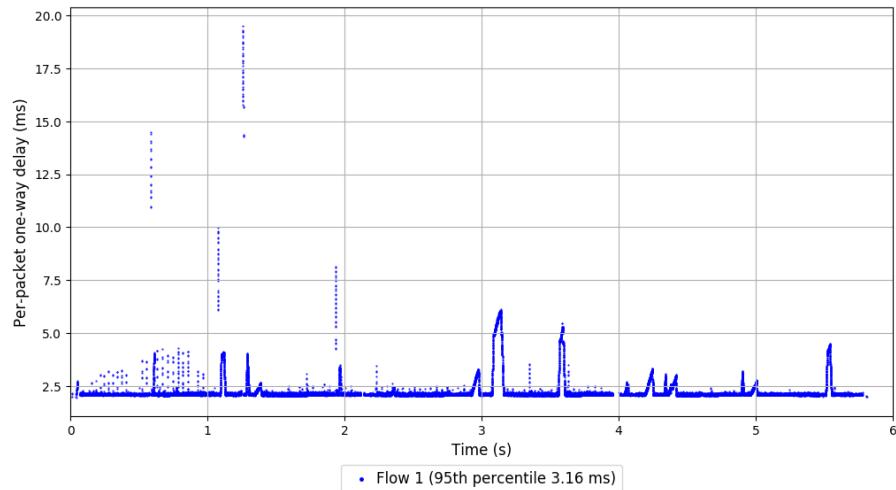
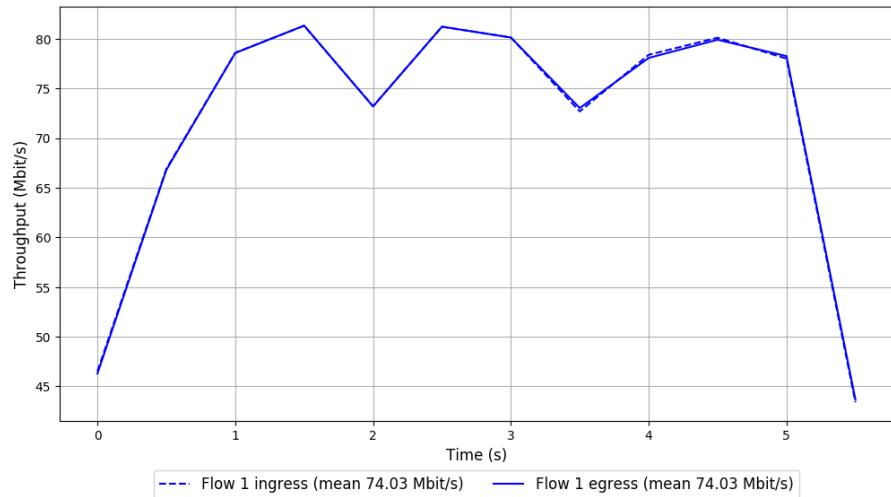
Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 23:08:28 +0000
End at: Sun, 16 Jul 2017 23:08:58 +0000
Local clock offset: -3.625 ms
Remote clock offset: 1.06 ms

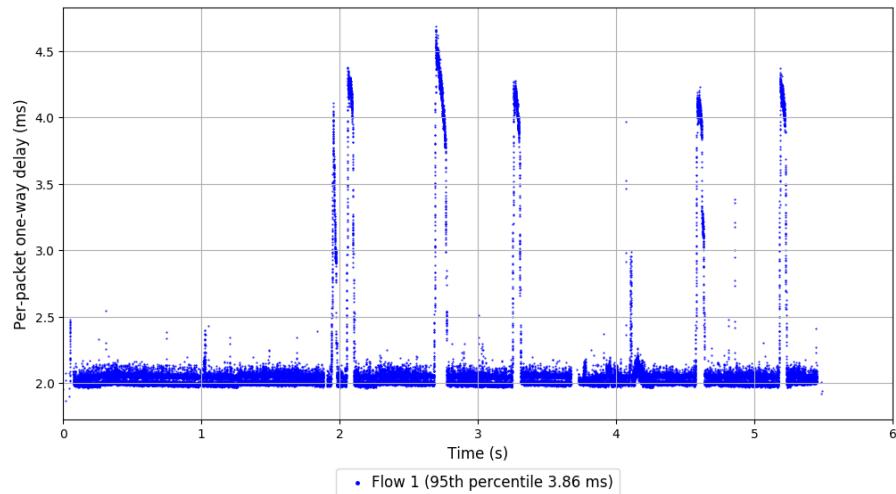
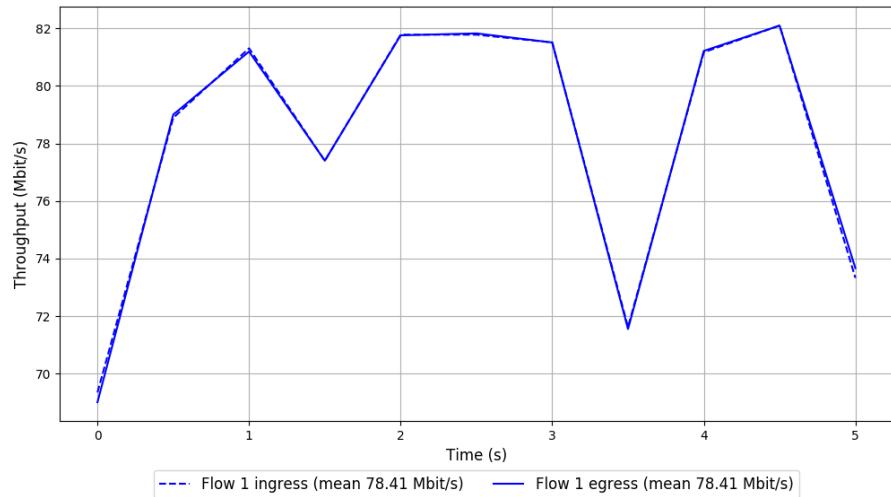
Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 23:25:26 +0000
End at: Sun, 16 Jul 2017 23:25:56 +0000
Local clock offset: -3.93 ms
Remote clock offset: 1.204 ms

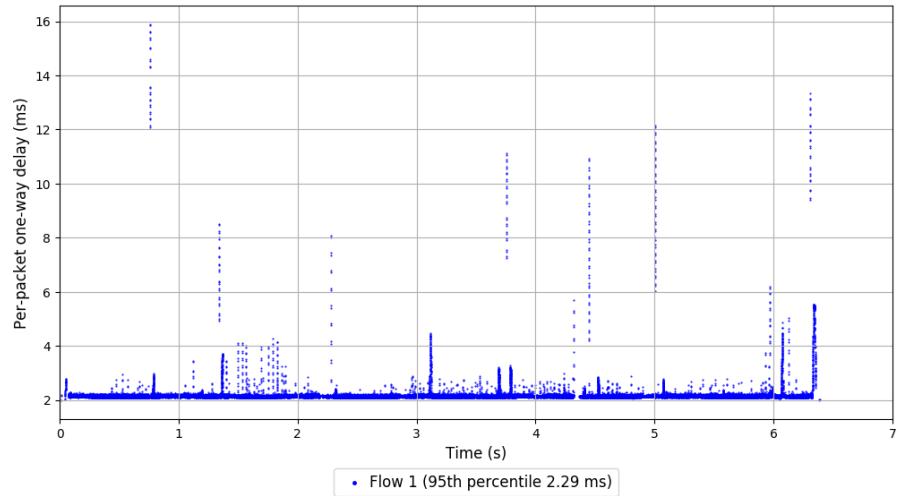
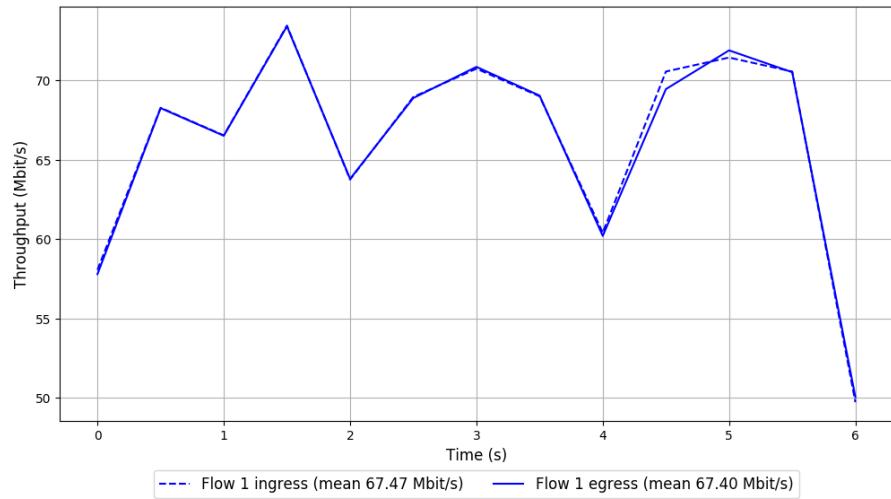
Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 23:42:24 +0000
End at: Sun, 16 Jul 2017 23:42:54 +0000
Local clock offset: -4.054 ms
Remote clock offset: 0.702 ms

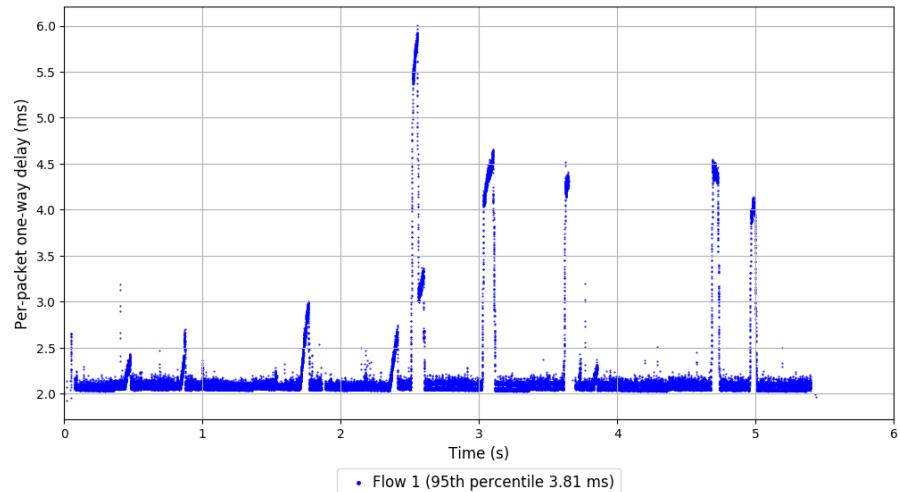
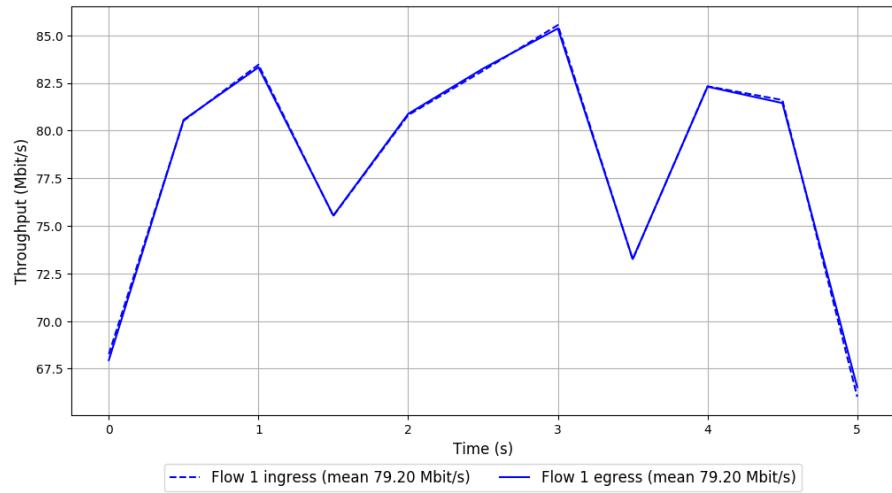
Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 23:59:22 +0000
End at: Sun, 16 Jul 2017 23:59:52 +0000
Local clock offset: -4.338 ms
Remote clock offset: 0.107 ms

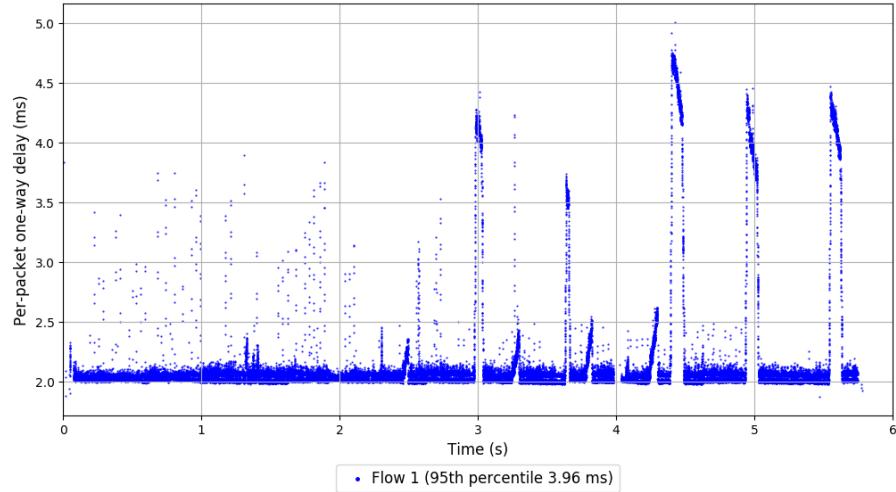
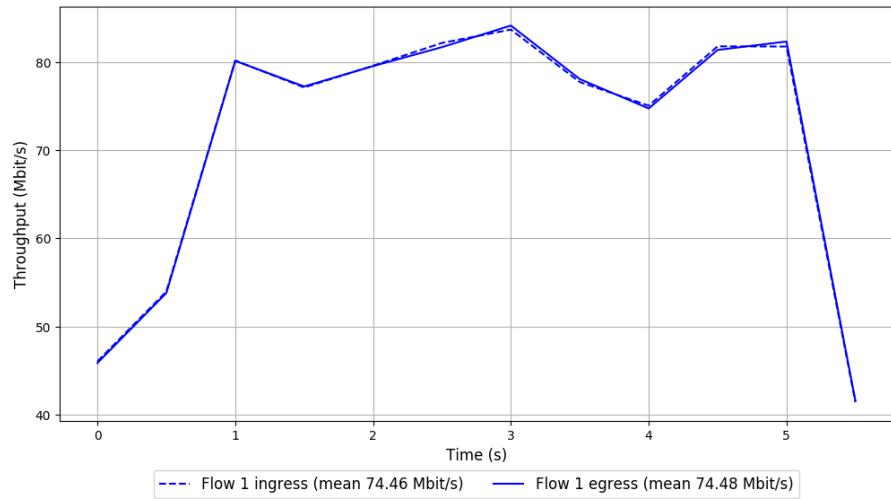
Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Mon, 17 Jul 2017 00:16:21 +0000
End at: Mon, 17 Jul 2017 00:16:51 +0000
Local clock offset: -4.528 ms
Remote clock offset: -0.589 ms

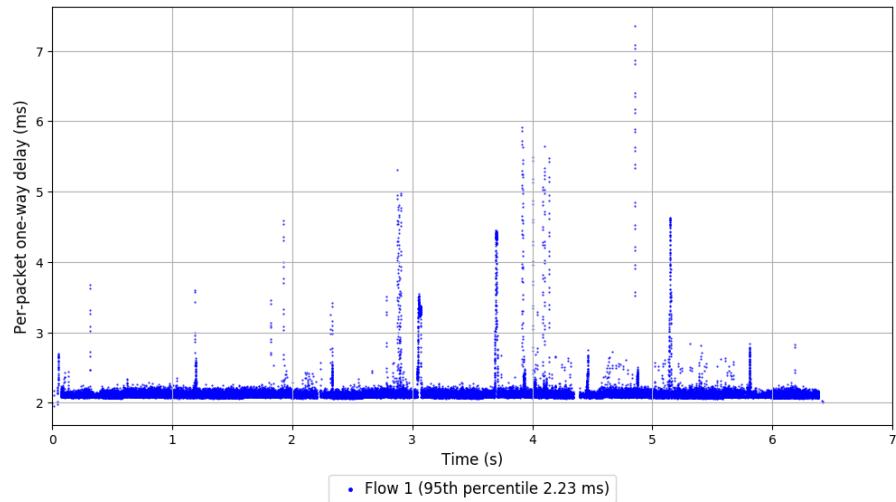
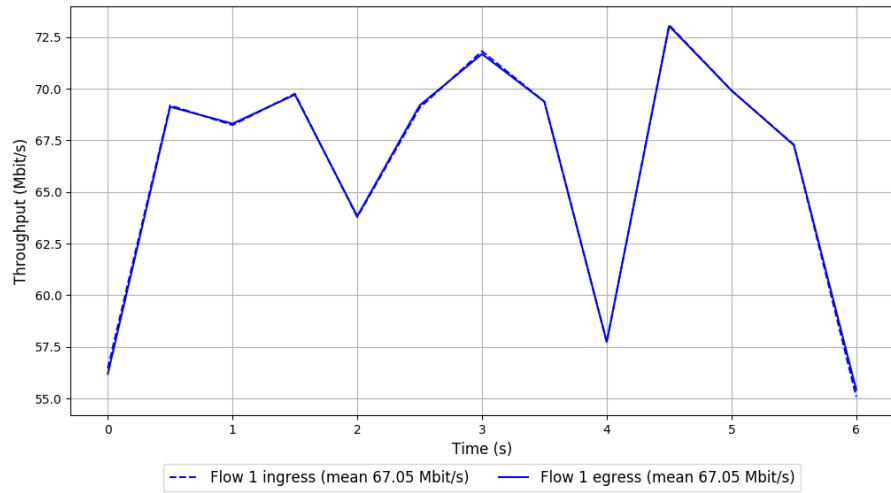
Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Mon, 17 Jul 2017 00:33:19 +0000
End at: Mon, 17 Jul 2017 00:33:49 +0000
Local clock offset: -4.003 ms
Remote clock offset: -0.656 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 16 Jul 2017 22:06:12 +0000

End at: Sun, 16 Jul 2017 22:06:42 +0000

Local clock offset: -3.331 ms

Remote clock offset: 1.25 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:37:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 14.118 ms

Loss rate: 0.10%

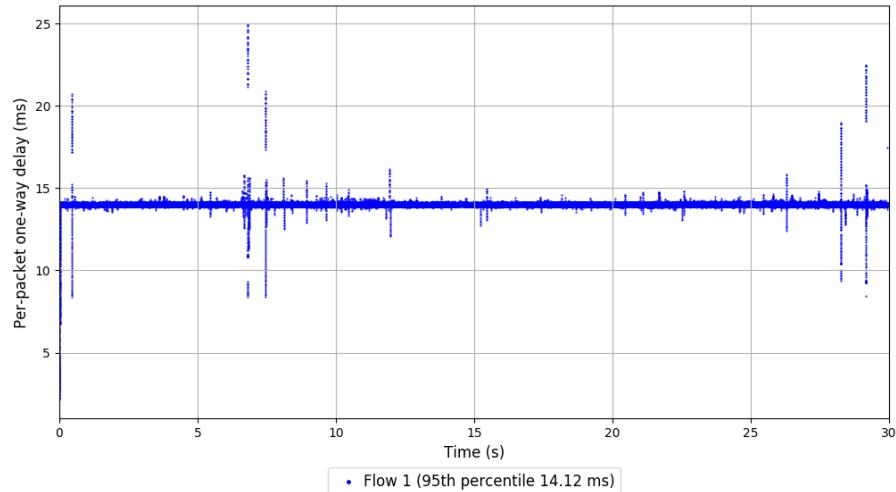
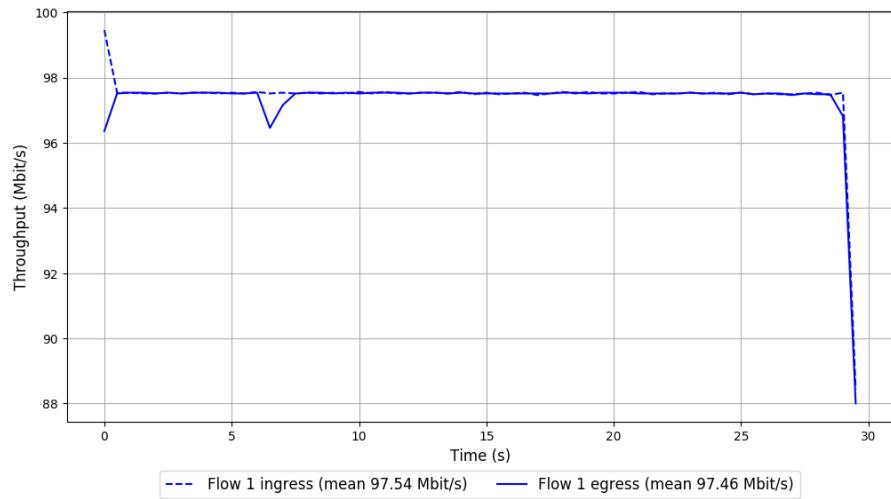
-- Flow 1:

Average throughput: 97.46 Mbit/s

95th percentile per-packet one-way delay: 14.118 ms

Loss rate: 0.10%

Run 1: Report of Saturator — Data Link

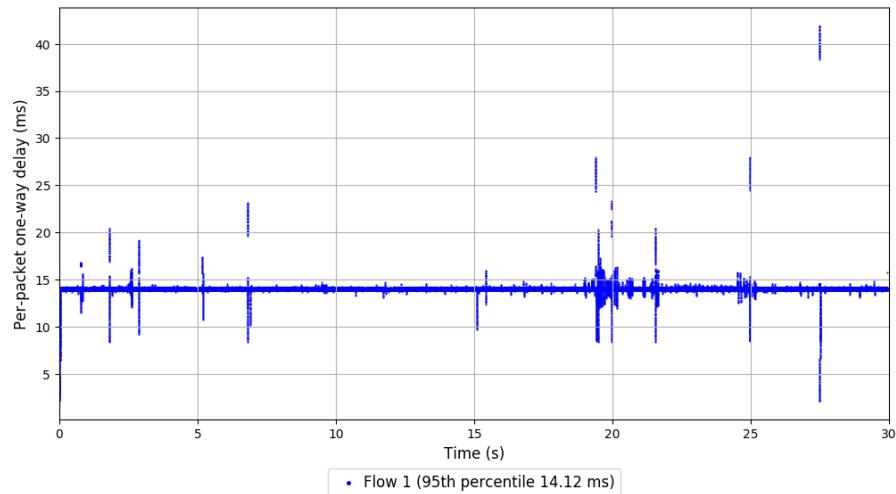
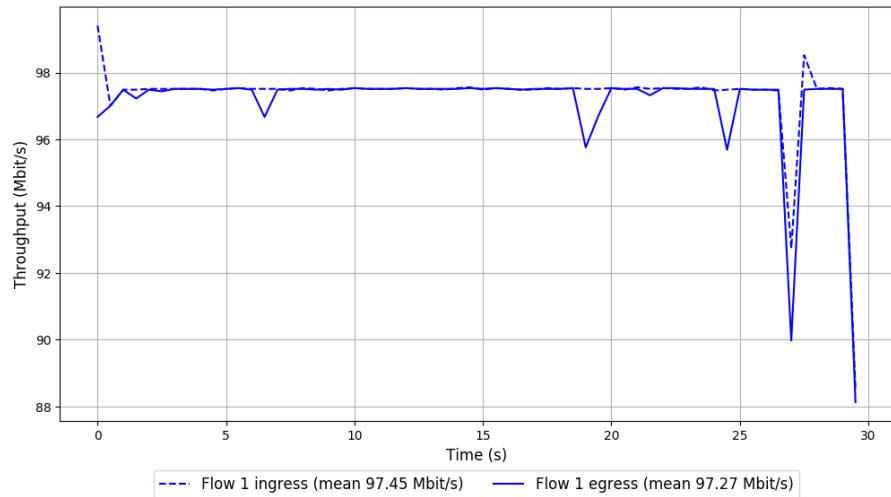


Run 2: Statistics of Saturator

```
Start at: Sun, 16 Jul 2017 22:23:10 +0000
End at: Sun, 16 Jul 2017 22:23:40 +0000
Local clock offset: -3.384 ms
Remote clock offset: 1.43 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 14.124 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 97.27 Mbit/s
95th percentile per-packet one-way delay: 14.124 ms
Loss rate: 0.22%
```

Run 2: Report of Saturator — Data Link

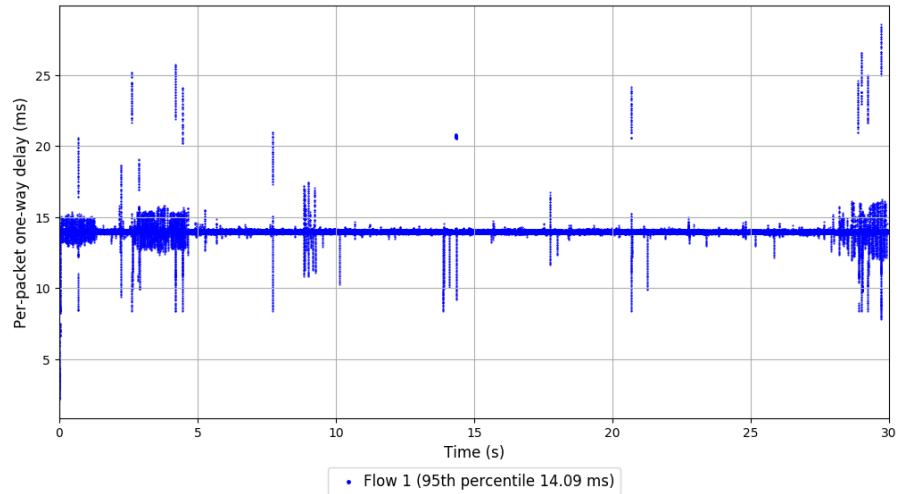
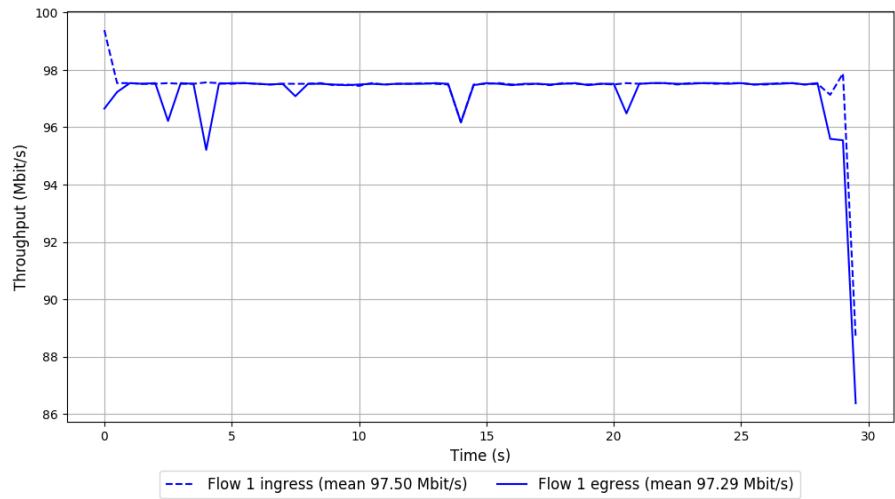


Run 3: Statistics of Saturator

```
Start at: Sun, 16 Jul 2017 22:40:03 +0000
End at: Sun, 16 Jul 2017 22:40:33 +0000
Local clock offset: -3.423 ms
Remote clock offset: 1.131 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 14.087 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 14.087 ms
Loss rate: 0.24%
```

Run 3: Report of Saturator — Data Link

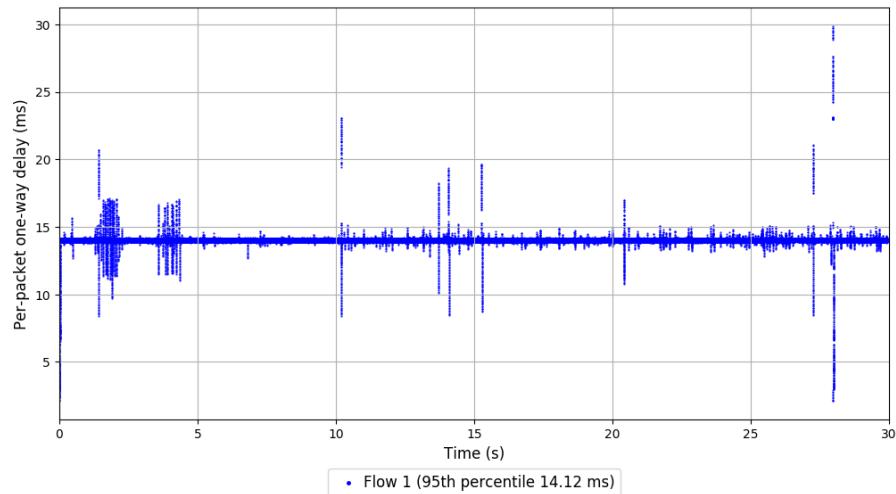
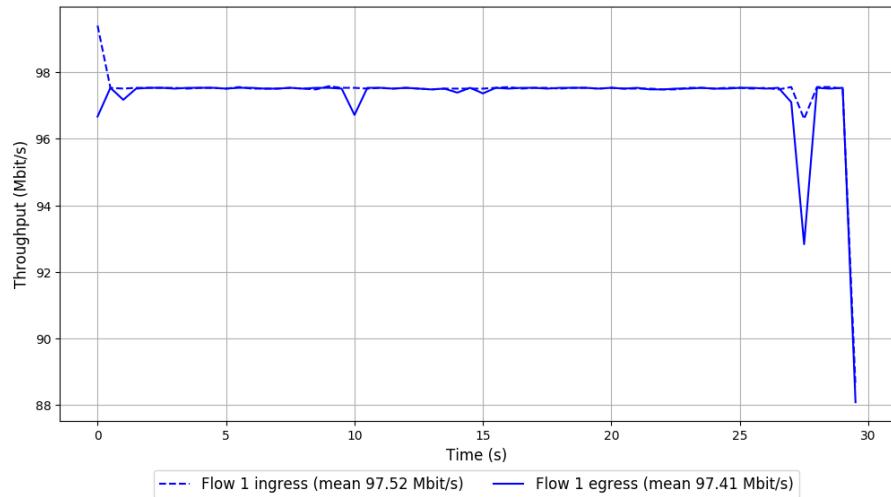


Run 4: Statistics of Saturator

```
Start at: Sun, 16 Jul 2017 22:57:05 +0000
End at: Sun, 16 Jul 2017 22:57:35 +0000
Local clock offset: -3.579 ms
Remote clock offset: 0.752 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 14.117 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 97.41 Mbit/s
95th percentile per-packet one-way delay: 14.117 ms
Loss rate: 0.15%
```

Run 4: Report of Saturator — Data Link

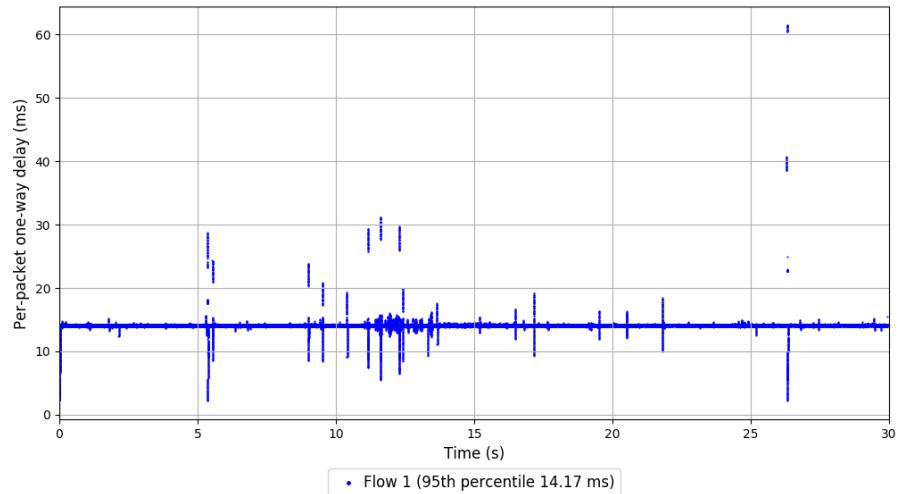
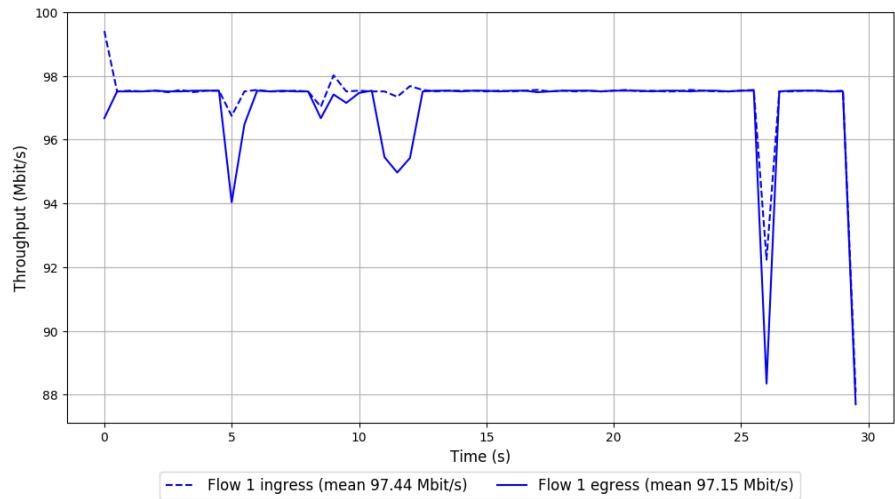


Run 5: Statistics of Saturator

```
Start at: Sun, 16 Jul 2017 23:14:05 +0000
End at: Sun, 16 Jul 2017 23:14:35 +0000
Local clock offset: -3.726 ms
Remote clock offset: 1.097 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 14.168 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 97.15 Mbit/s
95th percentile per-packet one-way delay: 14.168 ms
Loss rate: 0.32%
```

Run 5: Report of Saturator — Data Link

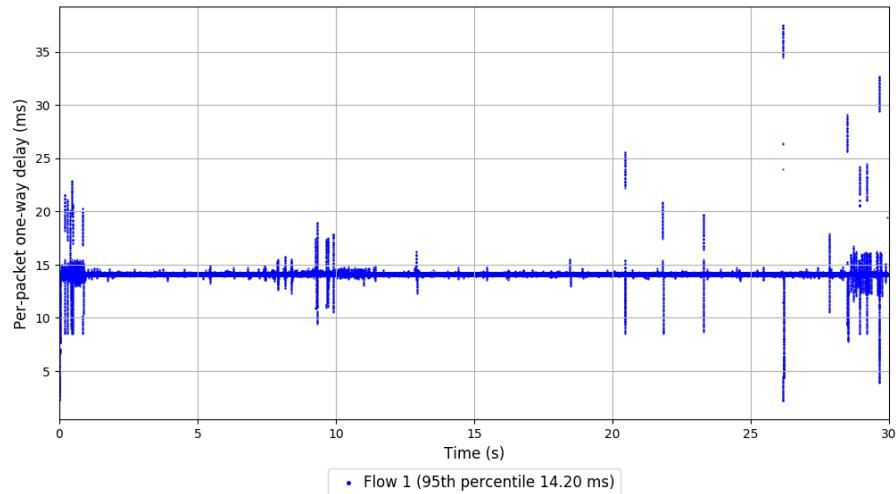
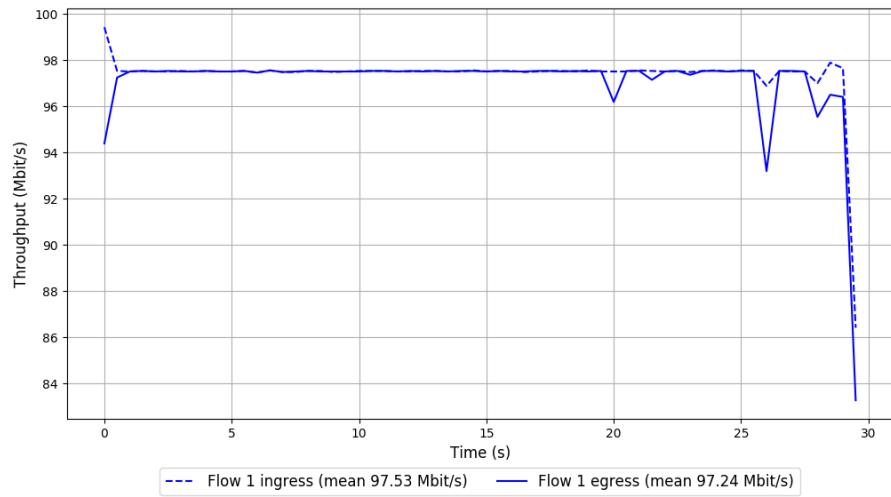


Run 6: Statistics of Saturator

```
Start at: Sun, 16 Jul 2017 23:31:03 +0000
End at: Sun, 16 Jul 2017 23:31:33 +0000
Local clock offset: -3.91 ms
Remote clock offset: 0.989 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 14.195 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 14.195 ms
Loss rate: 0.31%
```

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sun, 16 Jul 2017 23:48:01 +0000

End at: Sun, 16 Jul 2017 23:48:31 +0000

Local clock offset: -4.164 ms

Remote clock offset: 0.495 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:38:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 14.142 ms

Loss rate: 0.41%

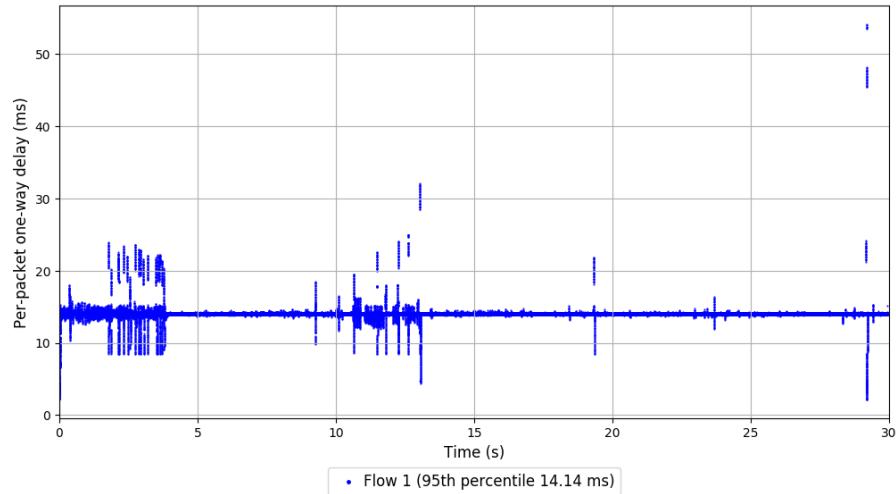
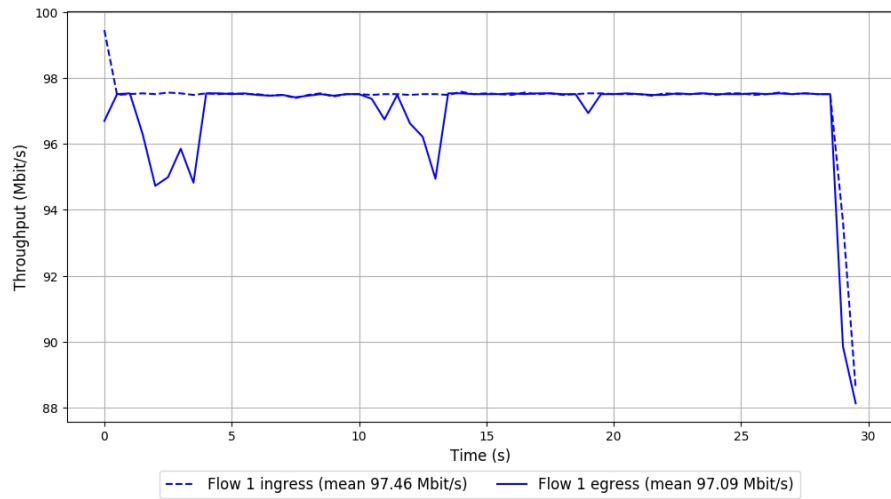
-- Flow 1:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 14.142 ms

Loss rate: 0.41%

Run 7: Report of Saturator — Data Link

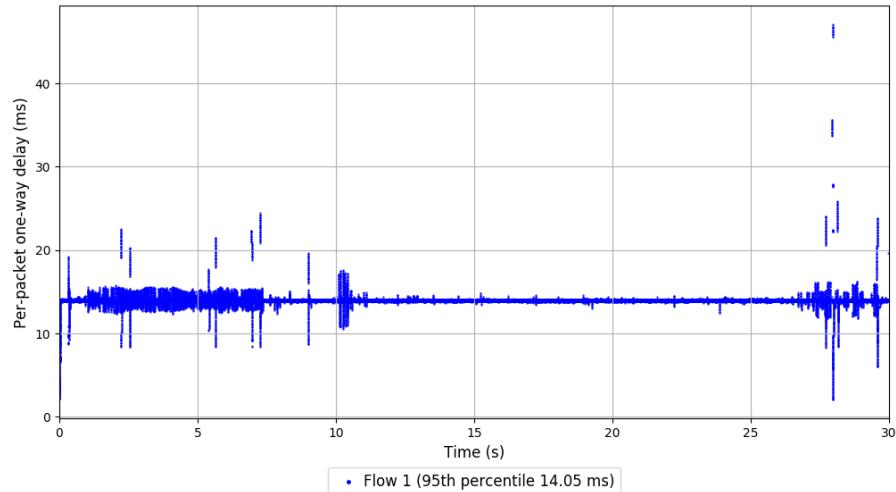
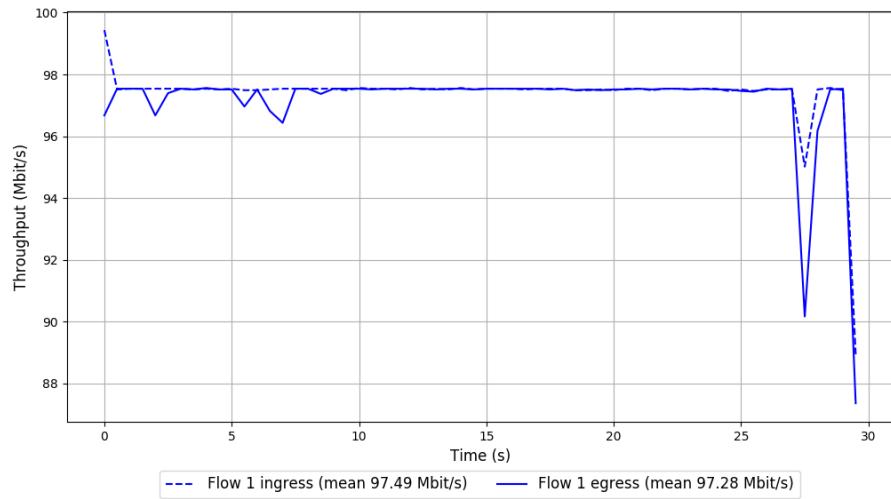


Run 8: Statistics of Saturator

```
Start at: Mon, 17 Jul 2017 00:04:59 +0000
End at: Mon, 17 Jul 2017 00:05:29 +0000
Local clock offset: -4.488 ms
Remote clock offset: -0.207 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:23 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.050 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 97.28 Mbit/s
95th percentile per-packet one-way delay: 14.050 ms
Loss rate: 0.24%
```

Run 8: Report of Saturator — Data Link

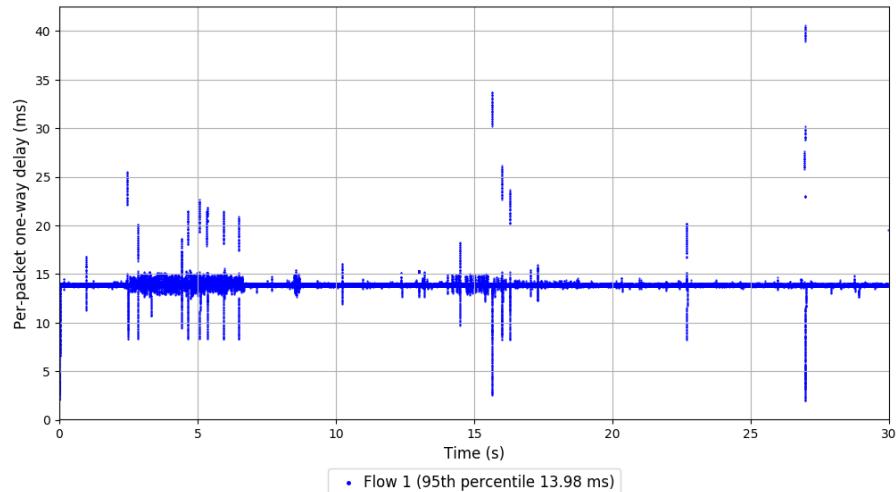
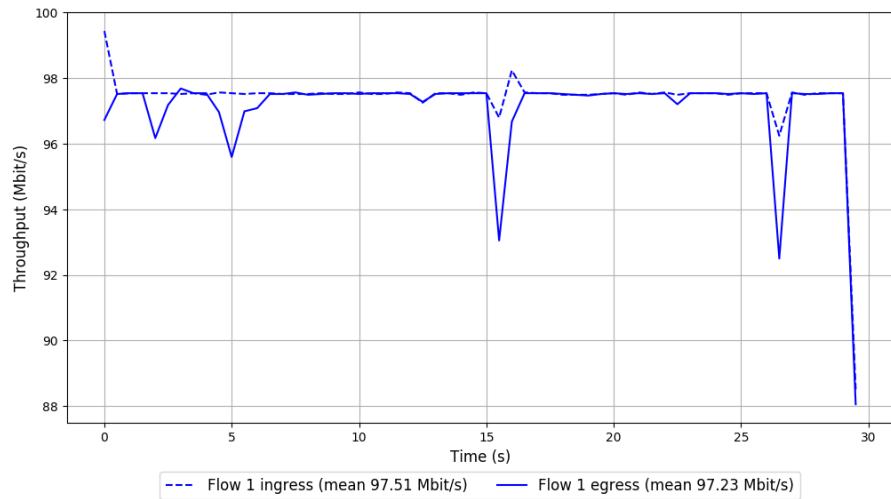


Run 9: Statistics of Saturator

```
Start at: Mon, 17 Jul 2017 00:21:57 +0000
End at: Mon, 17 Jul 2017 00:22:27 +0000
Local clock offset: -4.43 ms
Remote clock offset: -0.589 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 13.980 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 13.980 ms
Loss rate: 0.30%
```

Run 9: Report of Saturator — Data Link

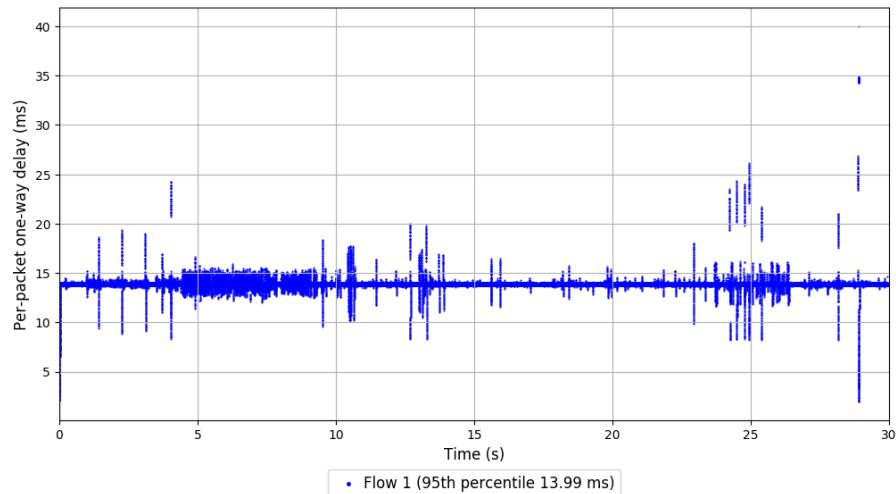
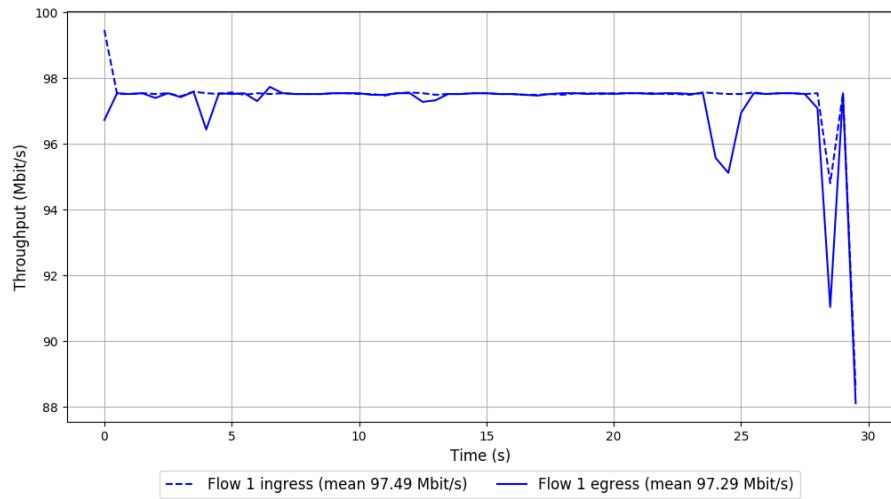


Run 10: Statistics of Saturator

```
Start at: Mon, 17 Jul 2017 00:38:56 +0000
End at: Mon, 17 Jul 2017 00:39:26 +0000
Local clock offset: -3.796 ms
Remote clock offset: -0.744 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 13.989 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 13.989 ms
Loss rate: 0.24%
```

Run 10: Report of Saturator — Data Link

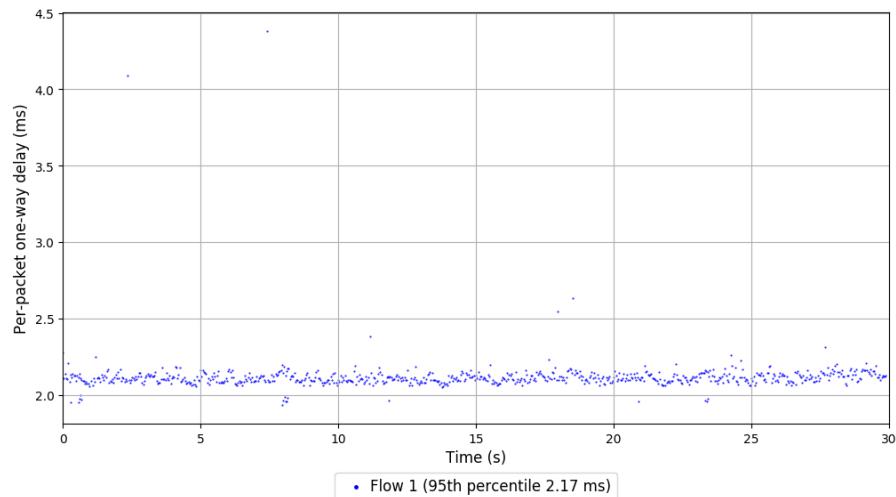
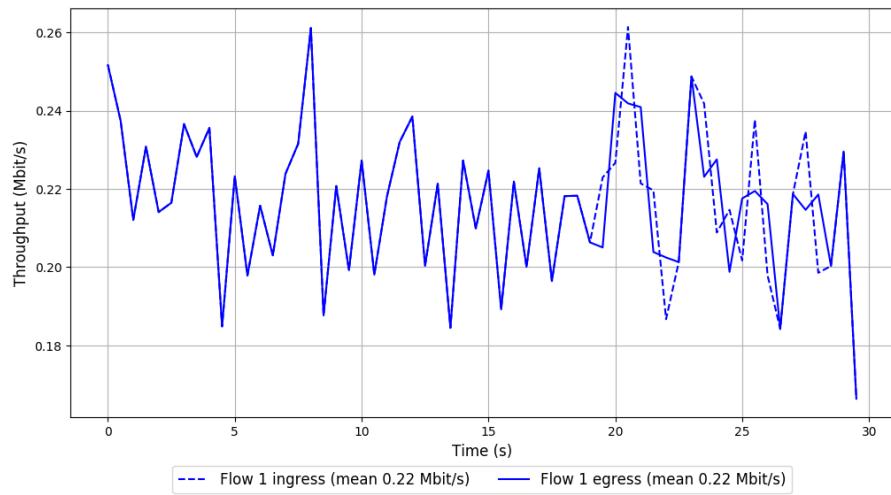


Run 1: Statistics of SCReAM

```
Start at: Sun, 16 Jul 2017 22:13:06 +0000
End at: Sun, 16 Jul 2017 22:13:36 +0000
Local clock offset: -3.307 ms
Remote clock offset: 1.448 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.171 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

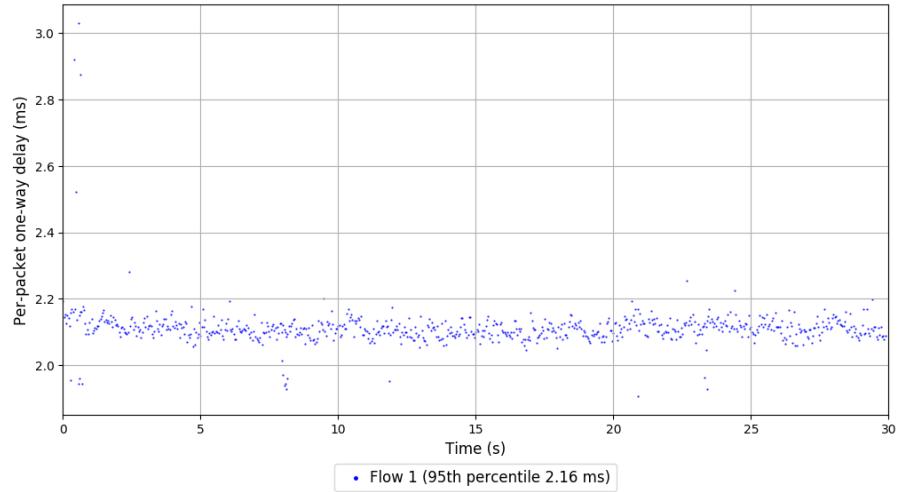
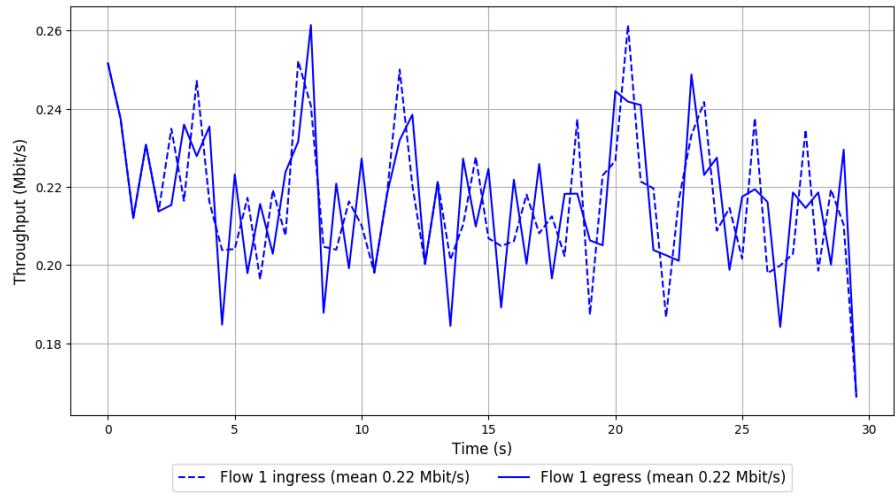


Run 2: Statistics of SCReAM

```
Start at: Sun, 16 Jul 2017 22:30:05 +0000
End at: Sun, 16 Jul 2017 22:30:35 +0000
Local clock offset: -3.452 ms
Remote clock offset: 1.348 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.159 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.159 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

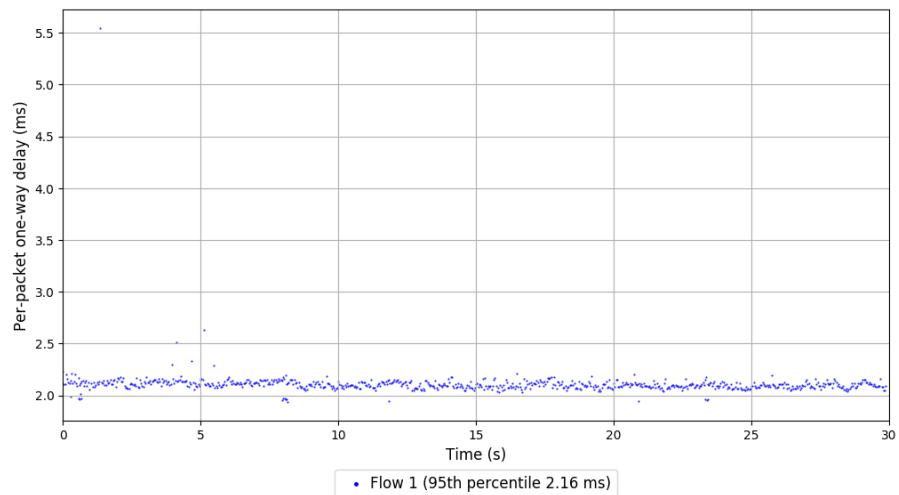
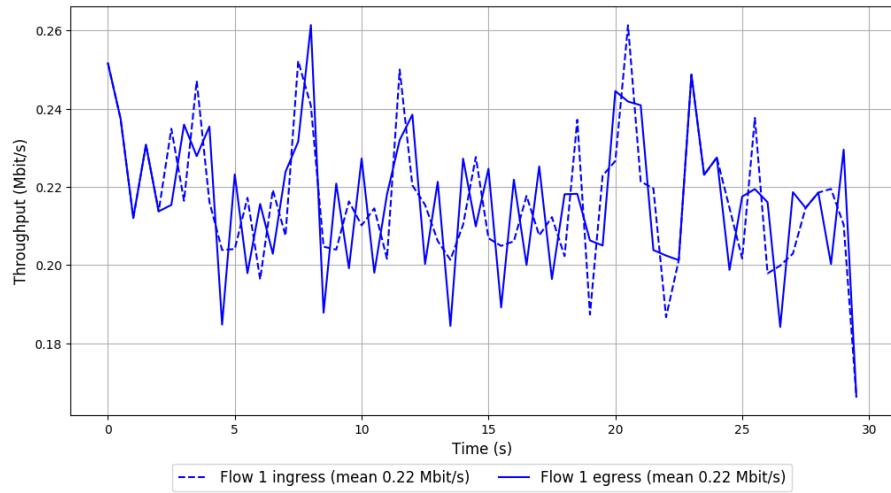


Run 3: Statistics of SCReAM

```
Start at: Sun, 16 Jul 2017 22:46:57 +0000
End at: Sun, 16 Jul 2017 22:47:27 +0000
Local clock offset: -3.441 ms
Remote clock offset: 0.918 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.162 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

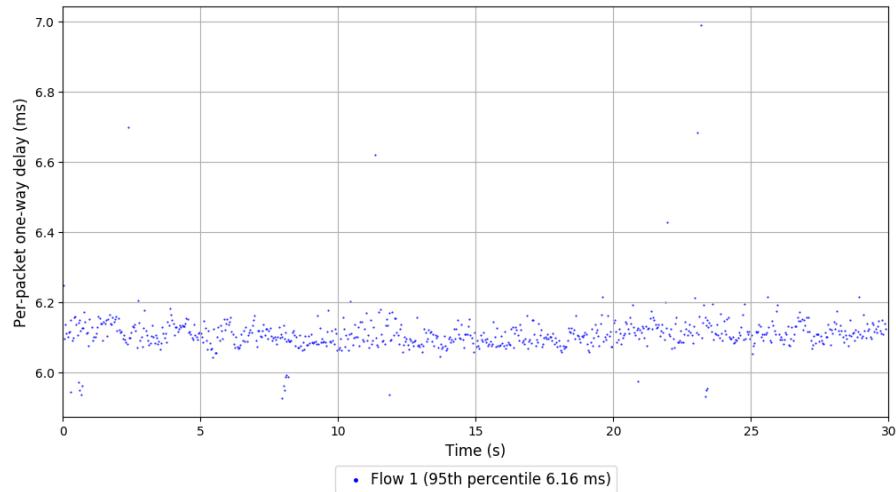
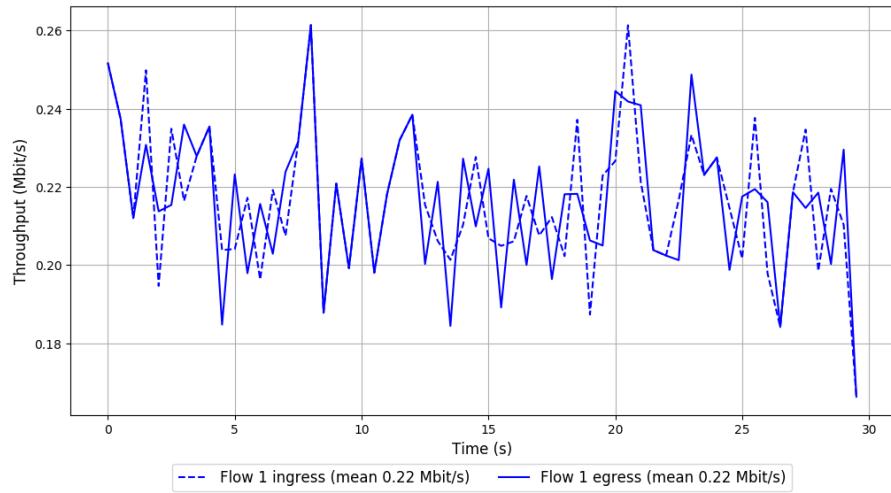


Run 4: Statistics of SCReAM

```
Start at: Sun, 16 Jul 2017 23:04:00 +0000
End at: Sun, 16 Jul 2017 23:04:30 +0000
Local clock offset: -3.482 ms
Remote clock offset: -2.958 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.162 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.162 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

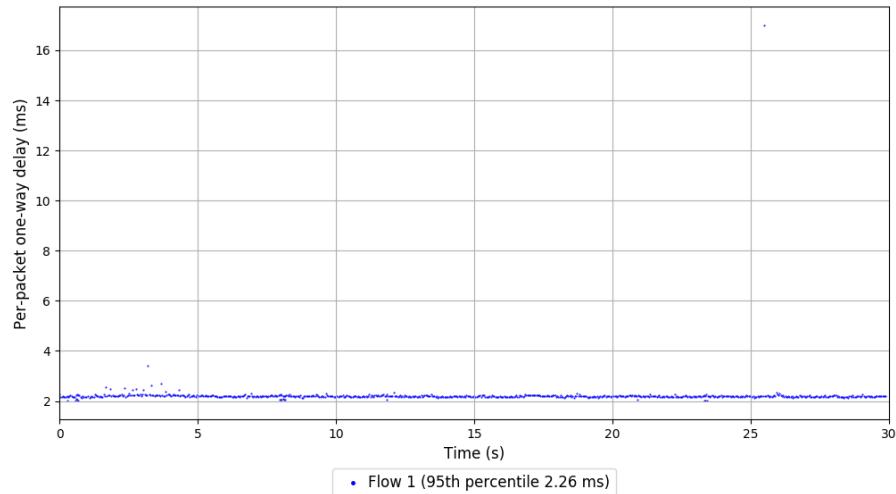
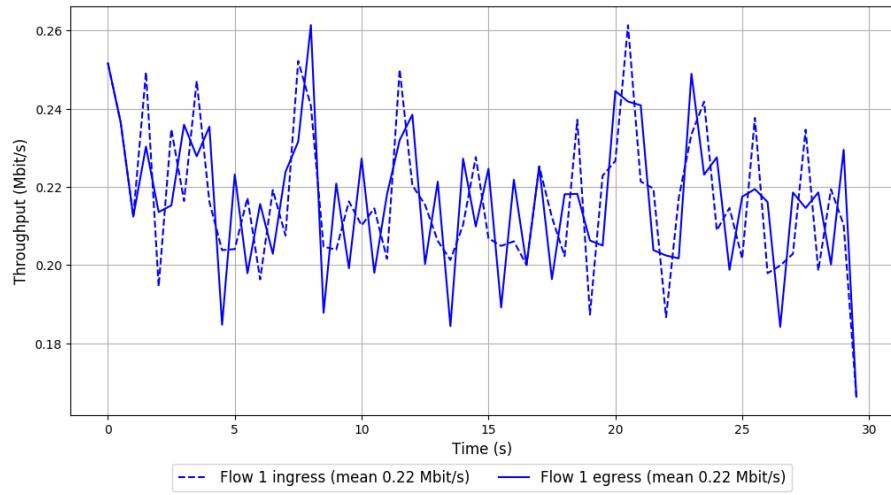


Run 5: Statistics of SCReAM

```
Start at: Sun, 16 Jul 2017 23:20:59 +0000
End at: Sun, 16 Jul 2017 23:21:29 +0000
Local clock offset: -3.792 ms
Remote clock offset: 1.217 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.256 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.256 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

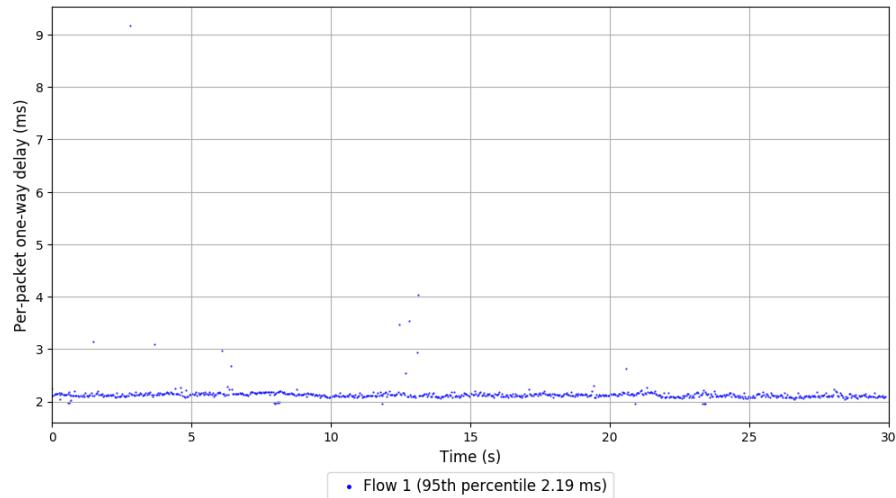
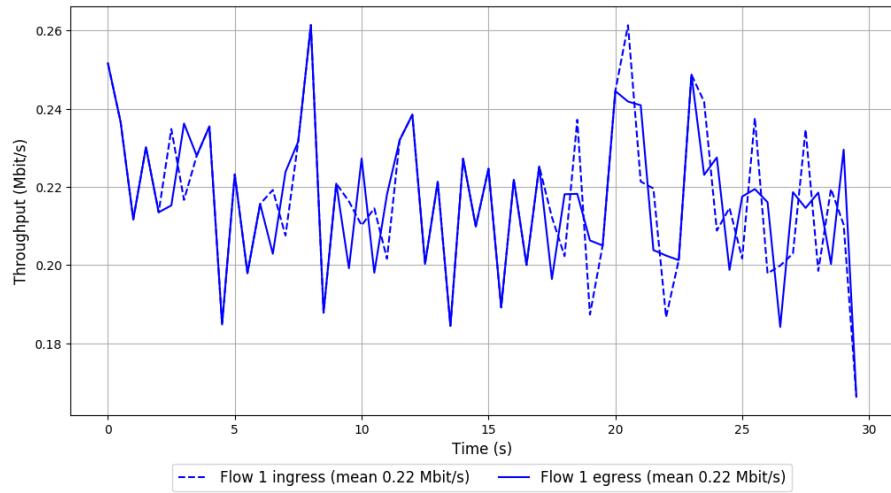


Run 6: Statistics of SCReAM

```
Start at: Sun, 16 Jul 2017 23:37:57 +0000
End at: Sun, 16 Jul 2017 23:38:27 +0000
Local clock offset: -3.959 ms
Remote clock offset: 0.943 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.189 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.189 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

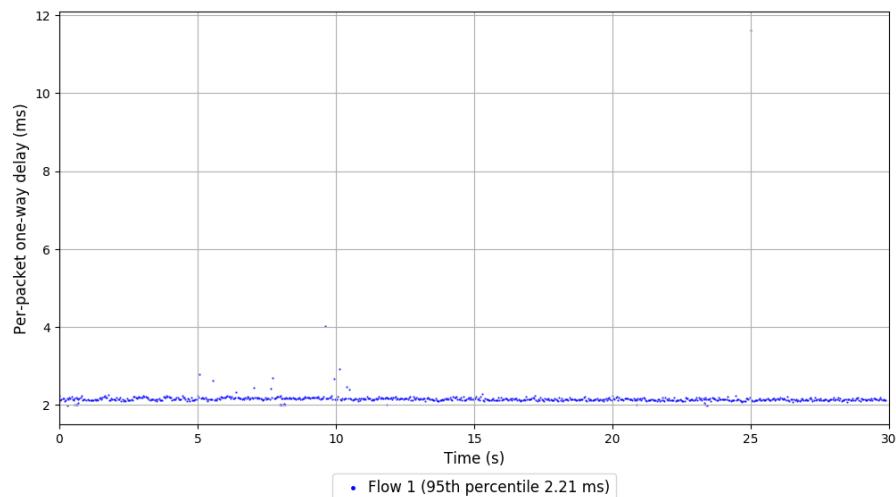
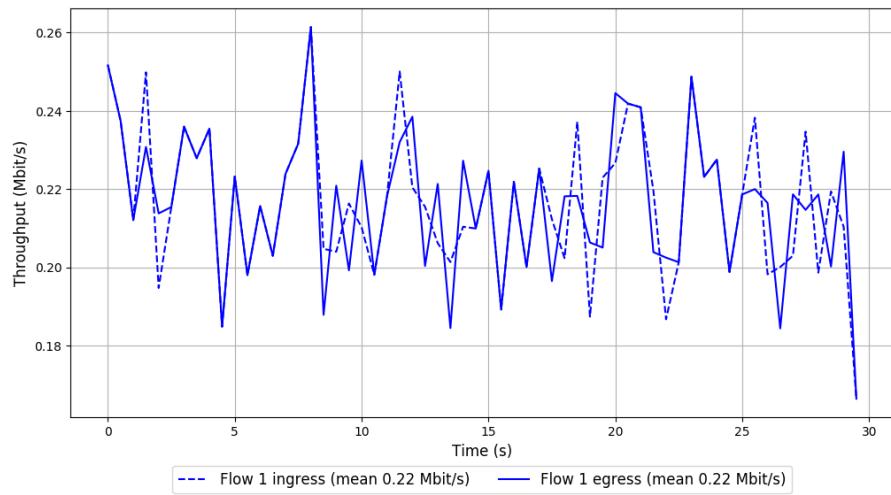


Run 7: Statistics of SCReAM

```
Start at: Sun, 16 Jul 2017 23:54:55 +0000
End at: Sun, 16 Jul 2017 23:55:25 +0000
Local clock offset: -4.321 ms
Remote clock offset: 0.202 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.213 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

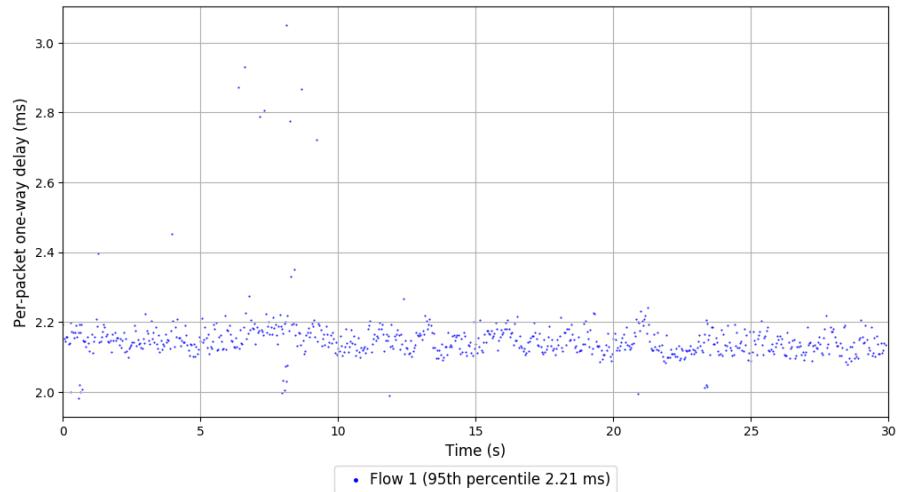
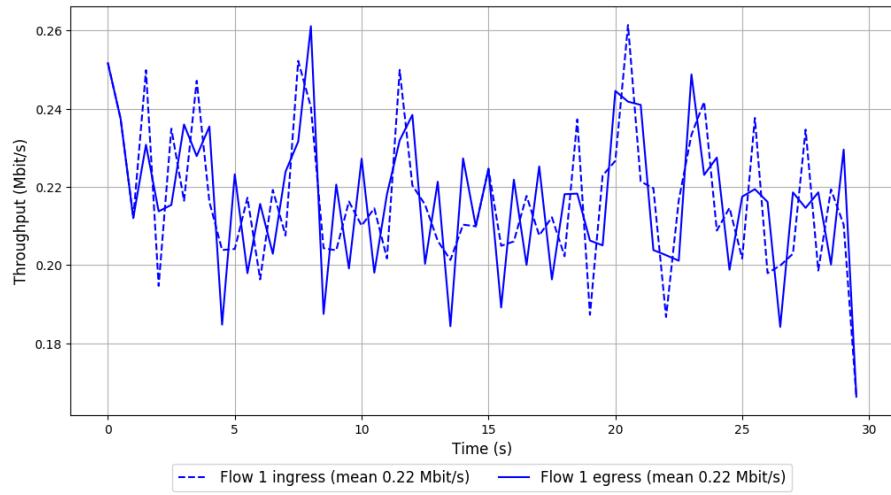


Run 8: Statistics of SCReAM

```
Start at: Mon, 17 Jul 2017 00:11:54 +0000
End at: Mon, 17 Jul 2017 00:12:24 +0000
Local clock offset: -4.535 ms
Remote clock offset: -0.49 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.205 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

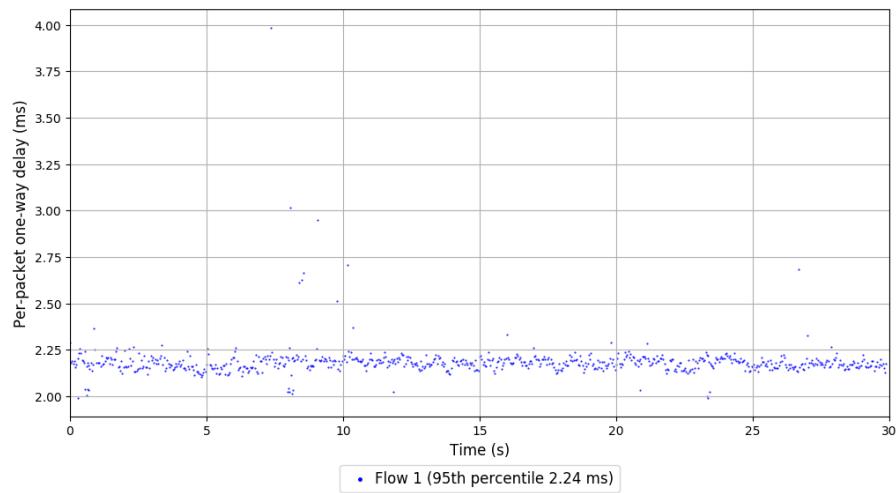
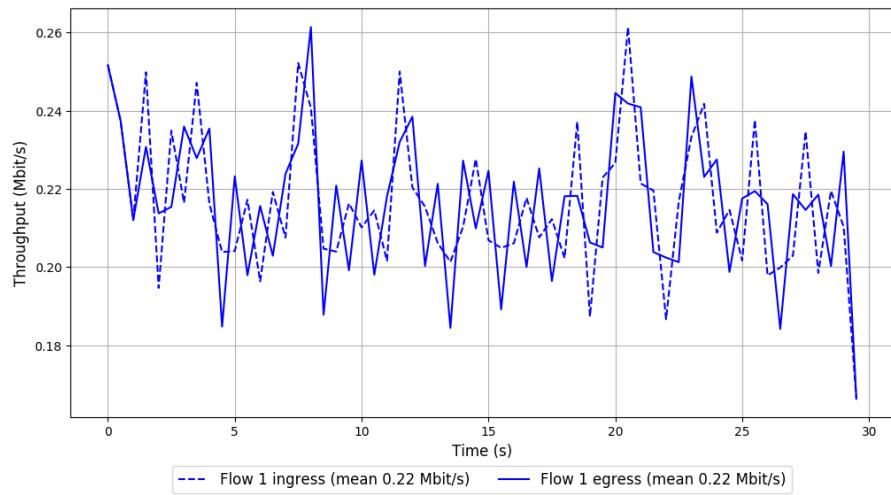


Run 9: Statistics of SCReAM

```
Start at: Mon, 17 Jul 2017 00:28:52 +0000
End at: Mon, 17 Jul 2017 00:29:22 +0000
Local clock offset: -4.171 ms
Remote clock offset: -0.648 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.238 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

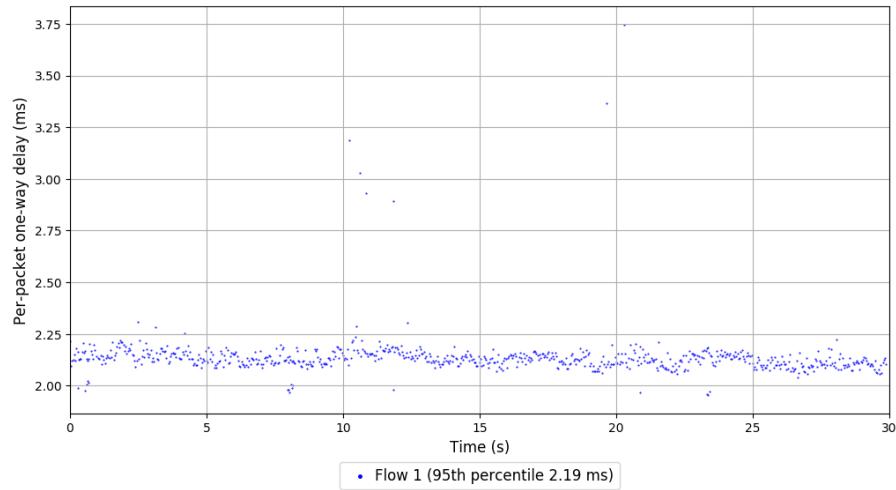
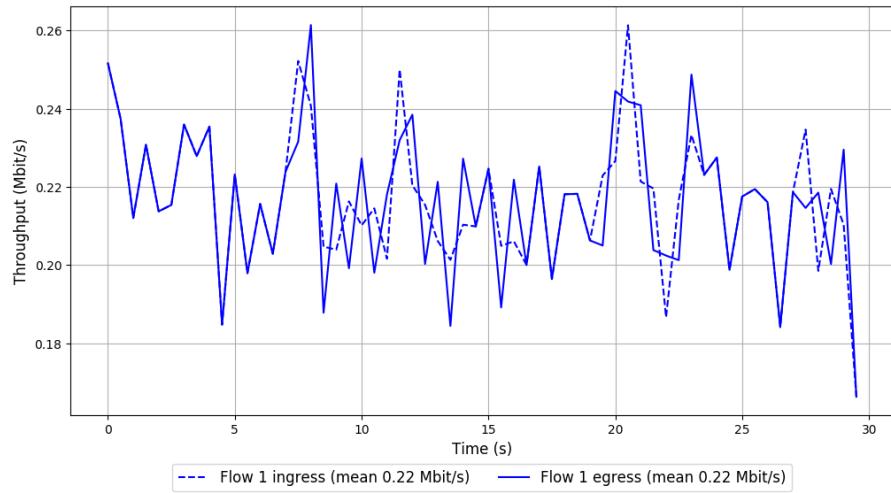


Run 10: Statistics of SCReAM

```
Start at: Mon, 17 Jul 2017 00:45:50 +0000
End at: Mon, 17 Jul 2017 00:46:20 +0000
Local clock offset: -3.351 ms
Remote clock offset: -0.895 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.192 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.192 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

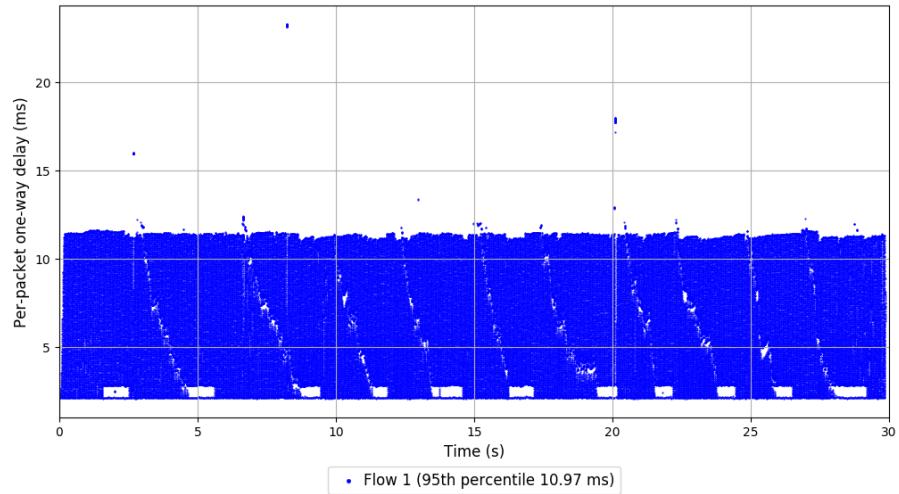
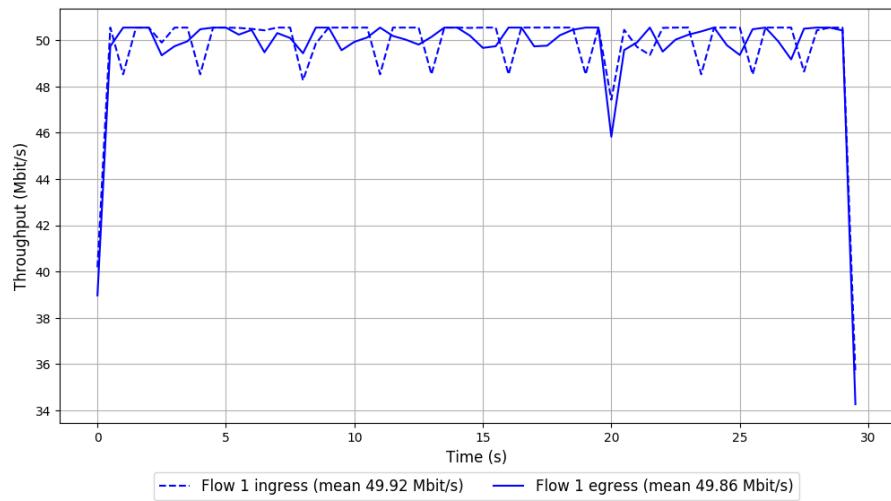


Run 1: Statistics of Sprout

```
Start at: Sun, 16 Jul 2017 22:08:31 +0000
End at: Sun, 16 Jul 2017 22:09:01 +0000
Local clock offset: -3.304 ms
Remote clock offset: 1.36 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 10.975 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 49.86 Mbit/s
95th percentile per-packet one-way delay: 10.975 ms
Loss rate: 0.09%
```

Run 1: Report of Sprout — Data Link

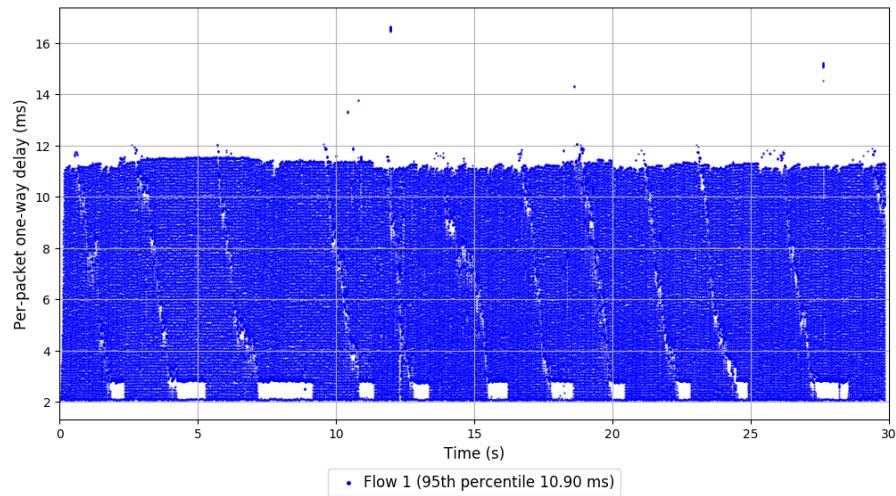
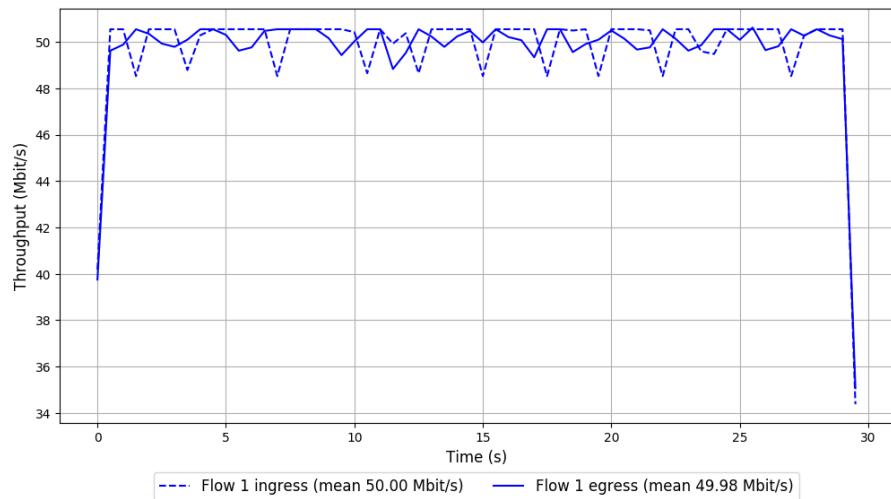


Run 2: Statistics of Sprout

```
Start at: Sun, 16 Jul 2017 22:25:30 +0000
End at: Sun, 16 Jul 2017 22:26:00 +0000
Local clock offset: -3.344 ms
Remote clock offset: 1.506 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.98 Mbit/s
95th percentile per-packet one-way delay: 10.902 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 49.98 Mbit/s
95th percentile per-packet one-way delay: 10.902 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

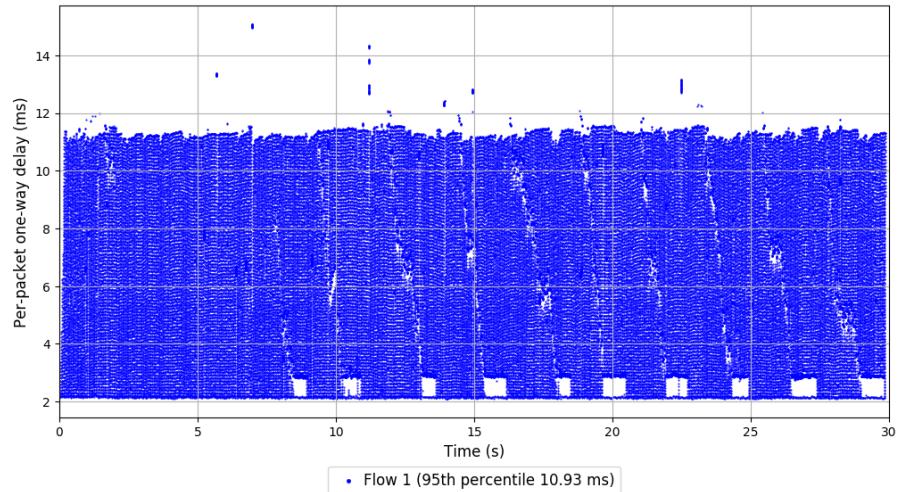
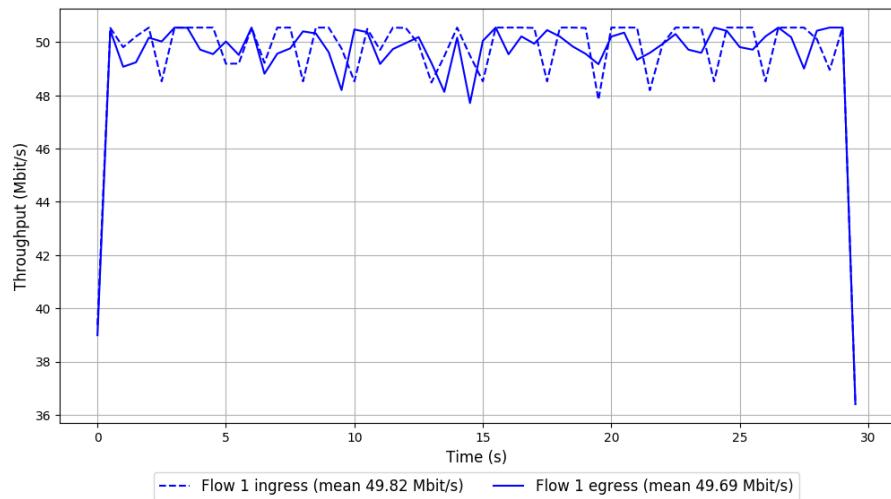


Run 3: Statistics of Sprout

```
Start at: Sun, 16 Jul 2017 22:42:22 +0000
End at: Sun, 16 Jul 2017 22:42:52 +0000
Local clock offset: -3.402 ms
Remote clock offset: 1.078 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 10.934 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 49.69 Mbit/s
95th percentile per-packet one-way delay: 10.934 ms
Loss rate: 0.23%
```

Run 3: Report of Sprout — Data Link

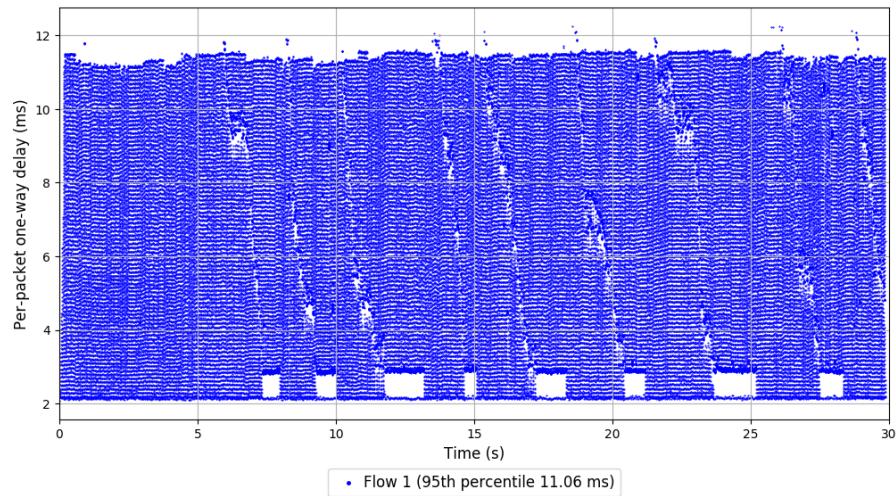
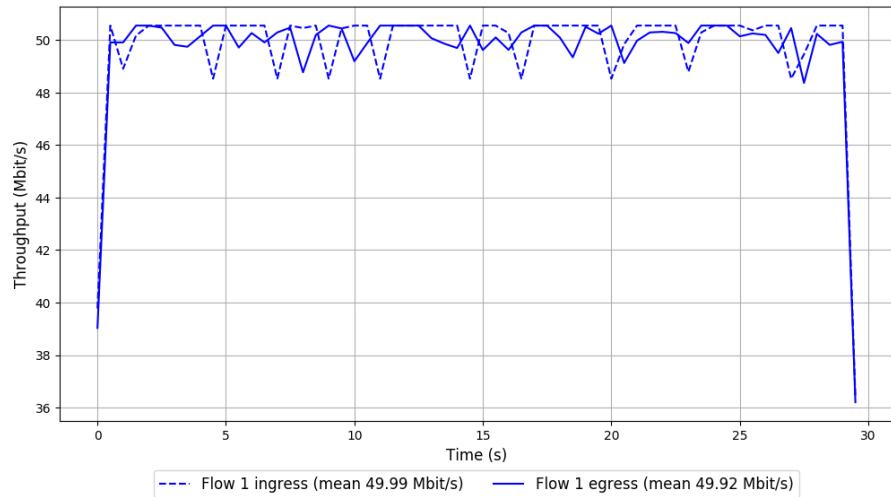


Run 4: Statistics of Sprout

```
Start at: Sun, 16 Jul 2017 22:59:25 +0000
End at: Sun, 16 Jul 2017 22:59:55 +0000
Local clock offset: -3.557 ms
Remote clock offset: 0.817 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 11.057 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 11.057 ms
Loss rate: 0.13%
```

Run 4: Report of Sprout — Data Link

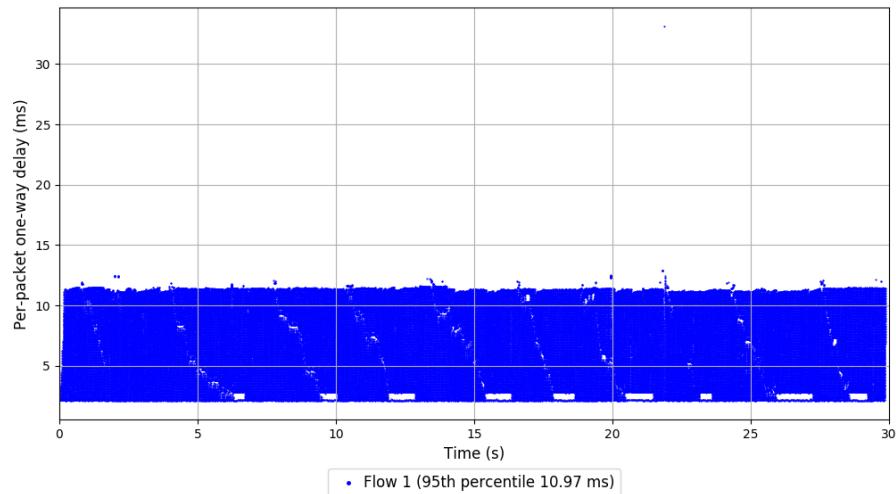
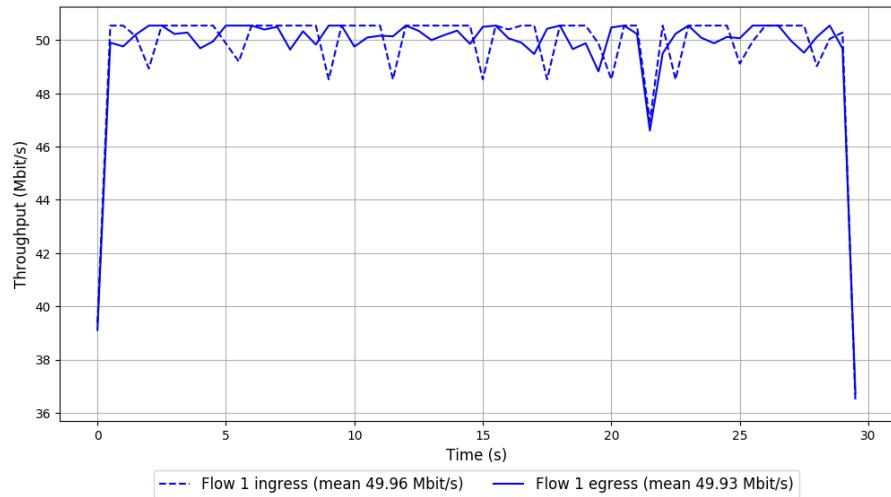


Run 5: Statistics of Sprout

```
Start at: Sun, 16 Jul 2017 23:16:24 +0000
End at: Sun, 16 Jul 2017 23:16:54 +0000
Local clock offset: -3.748 ms
Remote clock offset: 1.231 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 10.974 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 10.974 ms
Loss rate: 0.04%
```

Run 5: Report of Sprout — Data Link

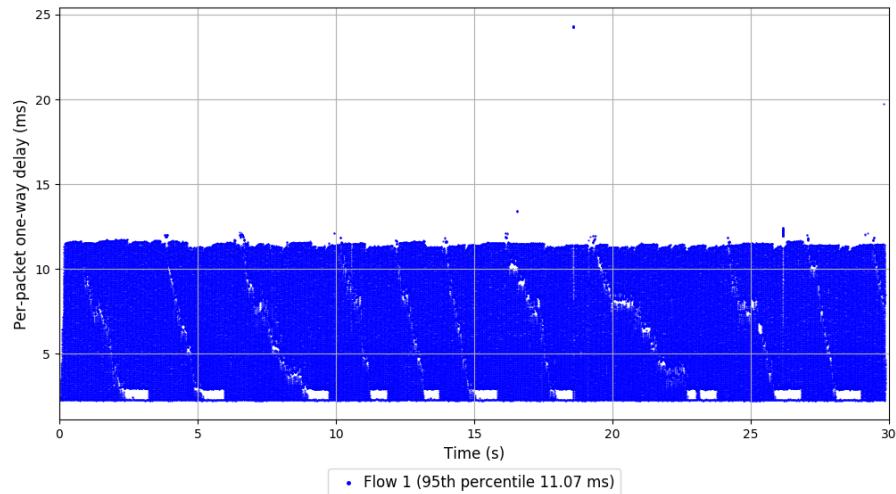
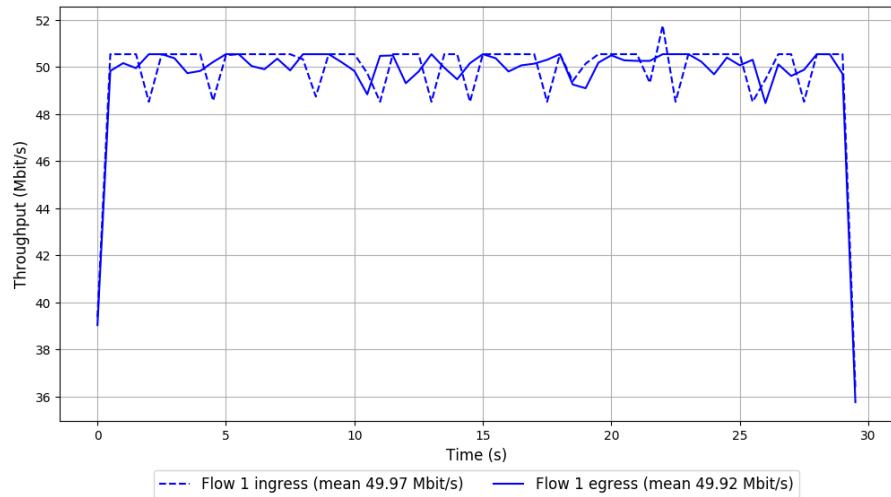


Run 6: Statistics of Sprout

```
Start at: Sun, 16 Jul 2017 23:33:22 +0000
End at: Sun, 16 Jul 2017 23:33:52 +0000
Local clock offset: -3.935 ms
Remote clock offset: 0.919 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:05 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 11.067 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 11.067 ms
Loss rate: 0.09%
```

Run 6: Report of Sprout — Data Link

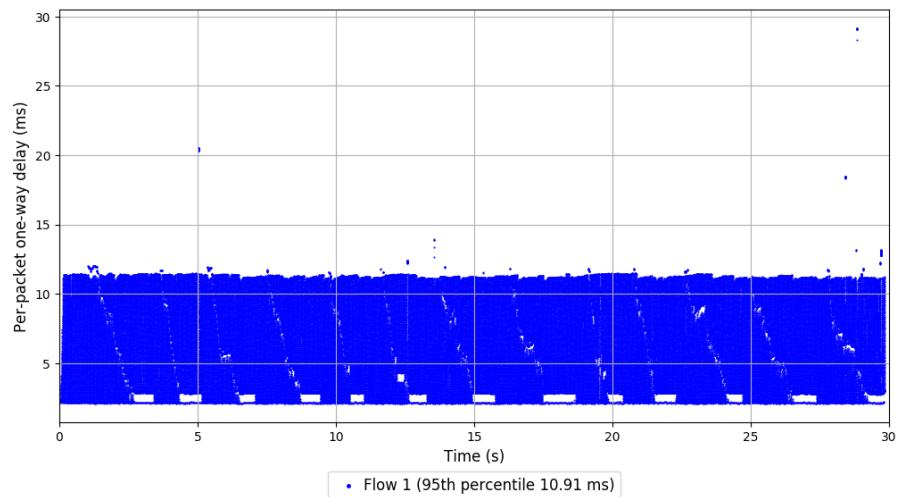
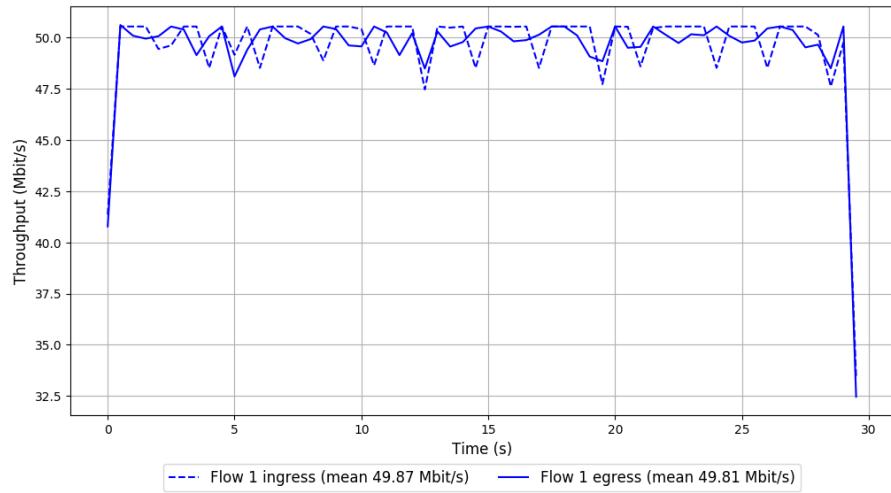


Run 7: Statistics of Sprout

```
Start at: Sun, 16 Jul 2017 23:50:20 +0000
End at: Sun, 16 Jul 2017 23:50:50 +0000
Local clock offset: -4.24 ms
Remote clock offset: 0.413 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:11 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: 10.911 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 49.81 Mbit/s
95th percentile per-packet one-way delay: 10.911 ms
Loss rate: 0.10%
```

Run 7: Report of Sprout — Data Link

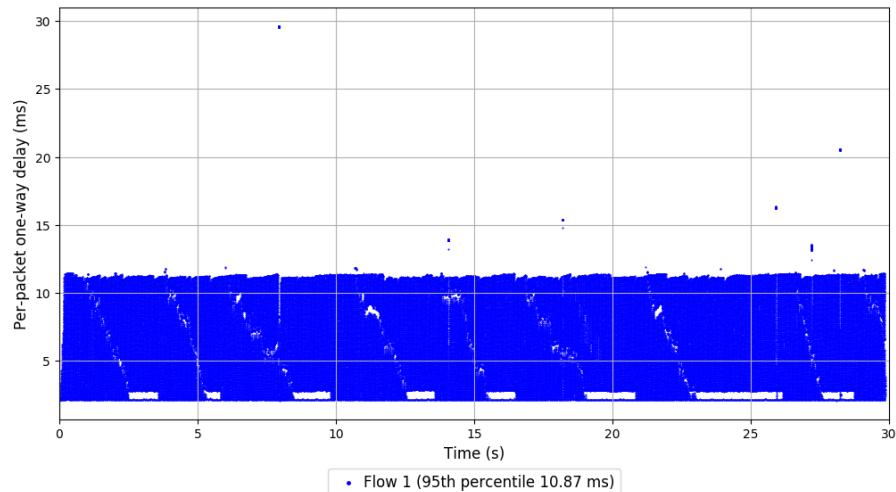
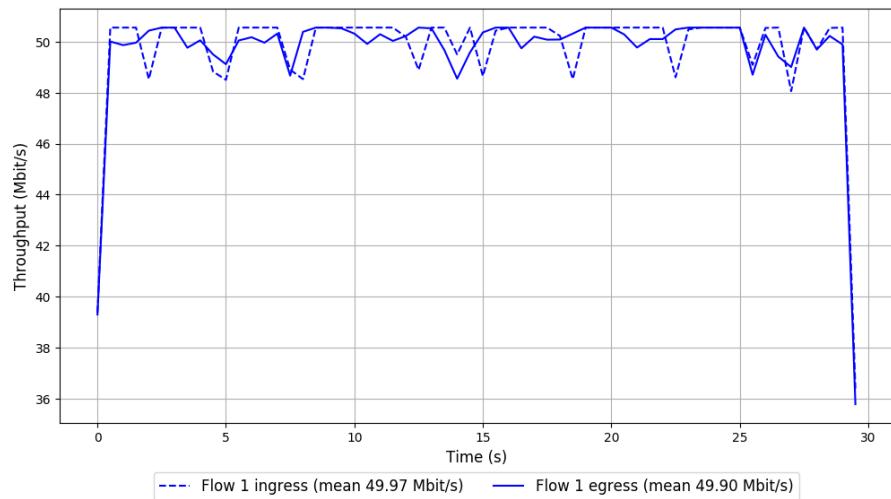


Run 8: Statistics of Sprout

```
Start at: Mon, 17 Jul 2017 00:07:19 +0000
End at: Mon, 17 Jul 2017 00:07:49 +0000
Local clock offset: -4.427 ms
Remote clock offset: -0.28 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 10.873 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 10.873 ms
Loss rate: 0.12%
```

Run 8: Report of Sprout — Data Link

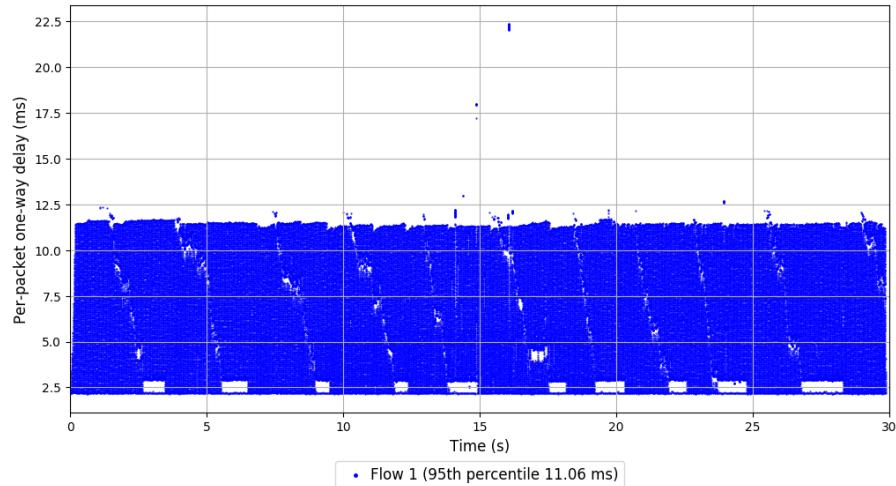
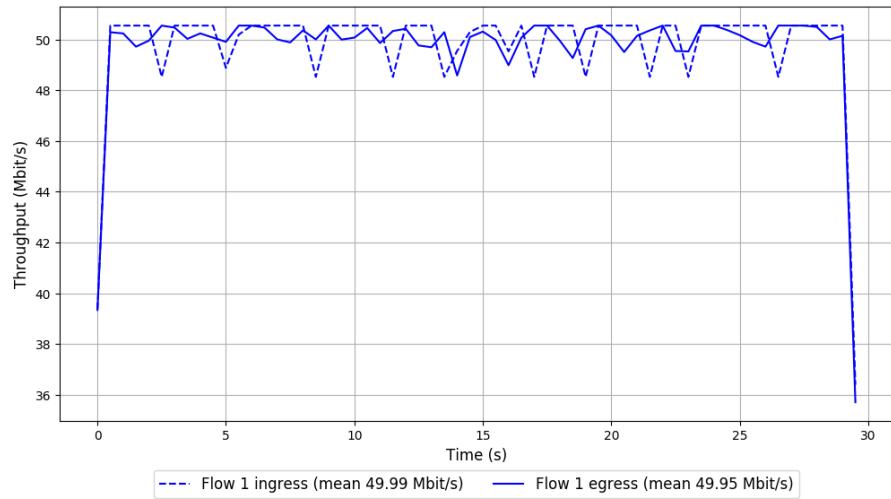


Run 9: Statistics of Sprout

```
Start at: Mon, 17 Jul 2017 00:24:17 +0000
End at: Mon, 17 Jul 2017 00:24:47 +0000
Local clock offset: -4.299 ms
Remote clock offset: -0.677 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:19 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 11.060 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 11.060 ms
Loss rate: 0.09%
```

Run 9: Report of Sprout — Data Link

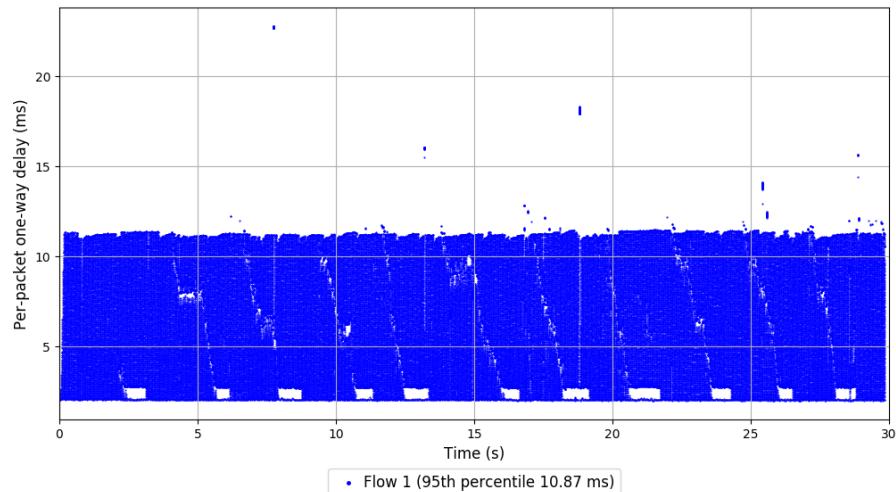
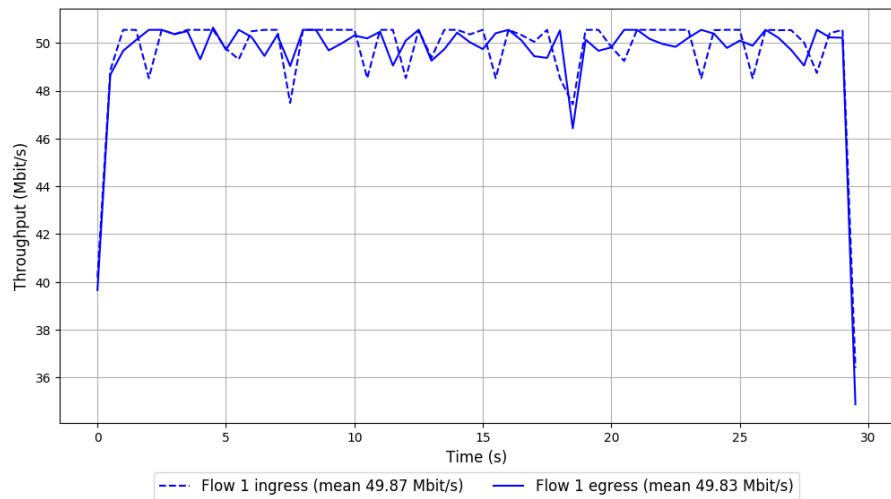


Run 10: Statistics of Sprout

```
Start at: Mon, 17 Jul 2017 00:41:15 +0000
End at: Mon, 17 Jul 2017 00:41:45 +0000
Local clock offset: -3.643 ms
Remote clock offset: -0.784 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 10.870 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 10.870 ms
Loss rate: 0.12%
```

Run 10: Report of Sprout — Data Link

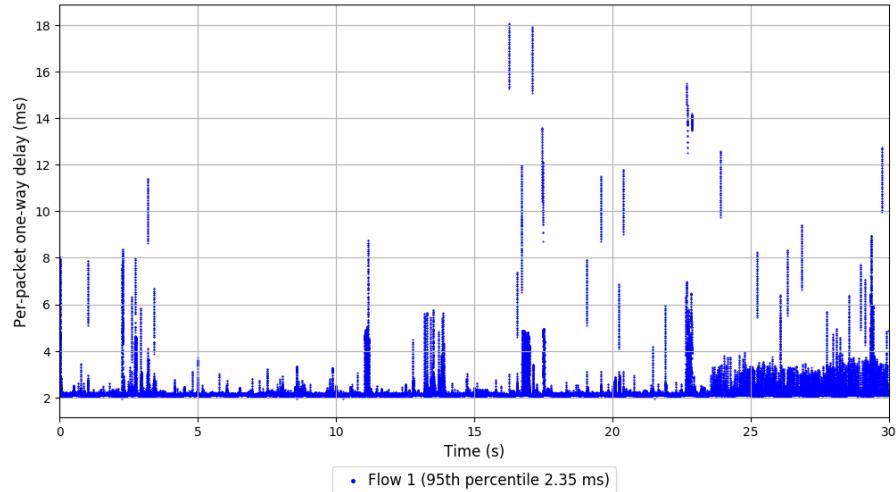
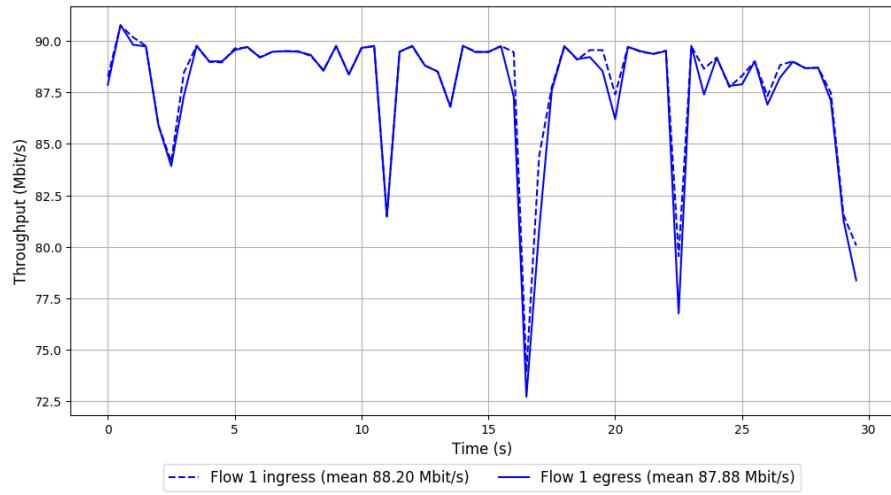


Run 1: Statistics of TaoVA-100x

```
Start at: Sun, 16 Jul 2017 22:09:37 +0000
End at: Sun, 16 Jul 2017 22:10:07 +0000
Local clock offset: -3.315 ms
Remote clock offset: 1.317 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.37%
```

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

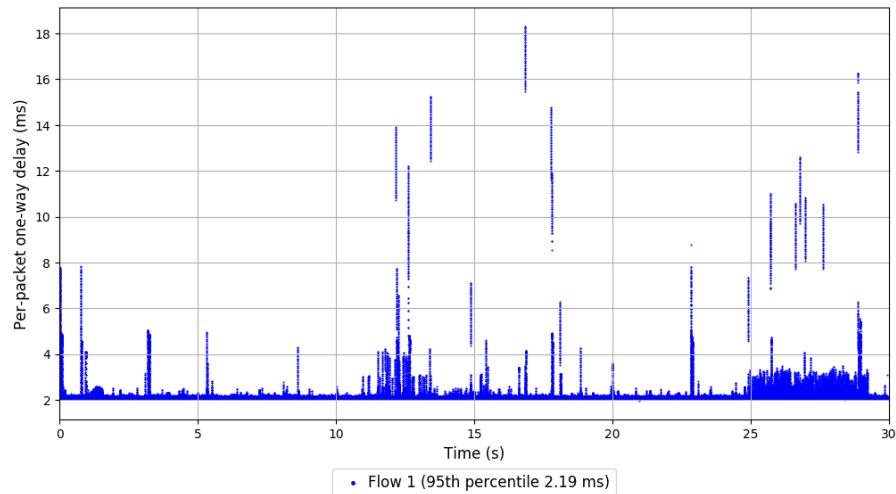
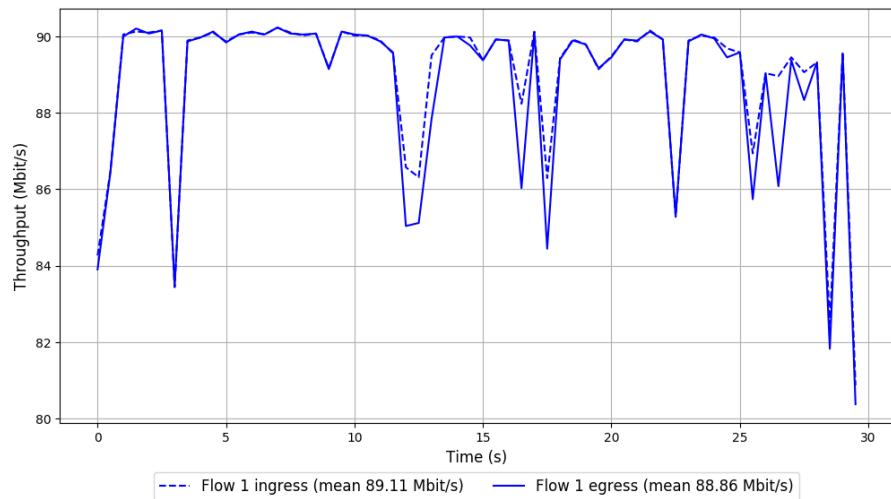


Run 2: Statistics of TaoVA-100x

```
Start at: Sun, 16 Jul 2017 22:26:35 +0000
End at: Sun, 16 Jul 2017 22:27:05 +0000
Local clock offset: -3.446 ms
Remote clock offset: 1.378 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 2.192 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 2.192 ms
Loss rate: 0.29%
```

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

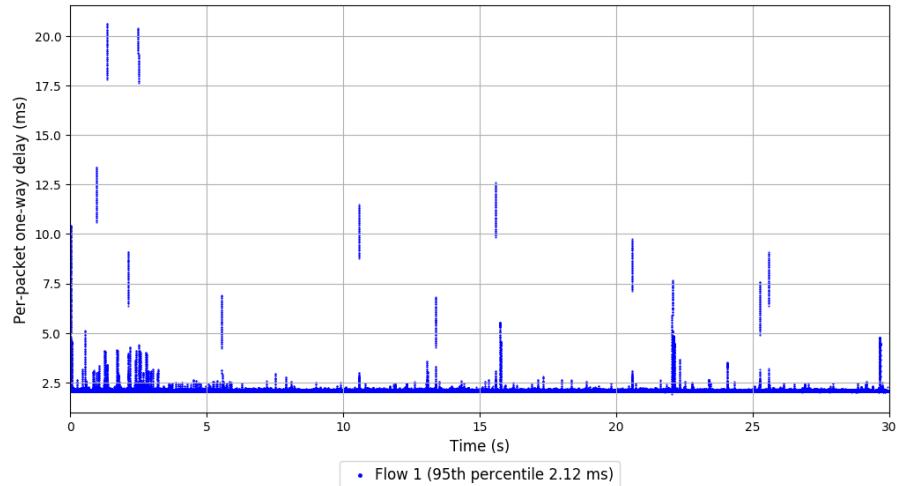
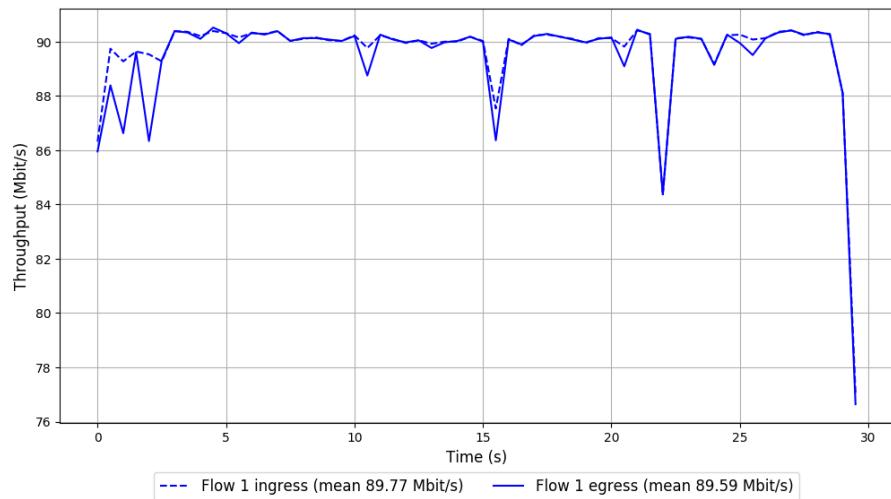


Run 3: Statistics of TaoVA-100x

```
Start at: Sun, 16 Jul 2017 22:43:28 +0000
End at: Sun, 16 Jul 2017 22:43:58 +0000
Local clock offset: -3.334 ms
Remote clock offset: 1.11 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 2.125 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 89.59 Mbit/s
95th percentile per-packet one-way delay: 2.125 ms
Loss rate: 0.22%
```

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

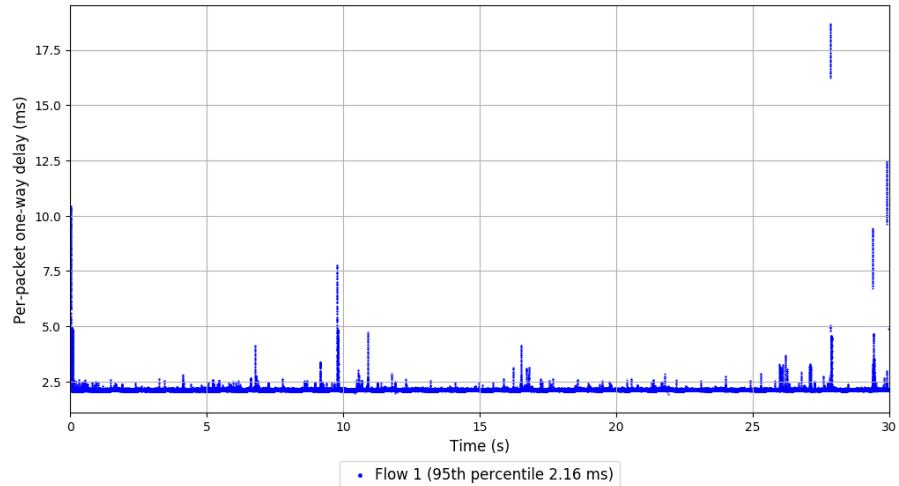
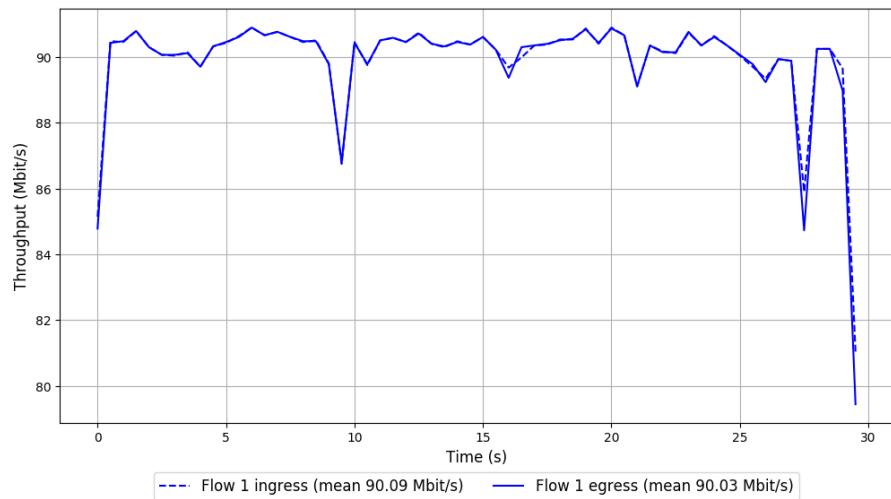


Run 4: Statistics of TaoVA-100x

```
Start at: Sun, 16 Jul 2017 23:00:30 +0000
End at: Sun, 16 Jul 2017 23:01:00 +0000
Local clock offset: -3.568 ms
Remote clock offset: 0.827 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 2.159 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 2.159 ms
Loss rate: 0.07%
```

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

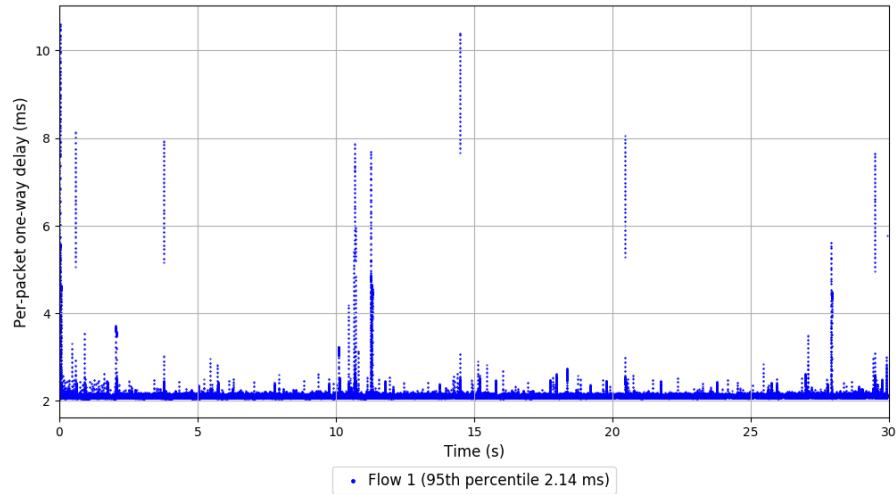
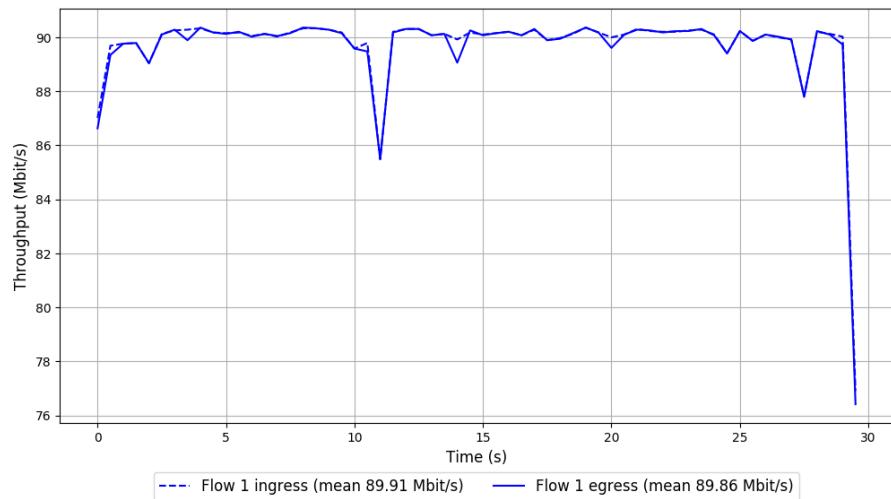


Run 5: Statistics of TaoVA-100x

```
Start at: Sun, 16 Jul 2017 23:17:30 +0000
End at: Sun, 16 Jul 2017 23:18:00 +0000
Local clock offset: -3.811 ms
Remote clock offset: 1.183 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 2.139 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 89.86 Mbit/s
95th percentile per-packet one-way delay: 2.139 ms
Loss rate: 0.06%
```

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

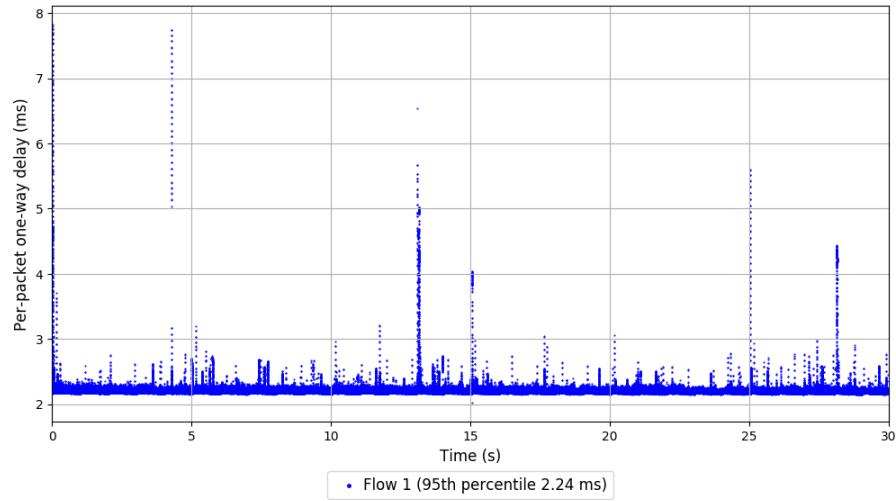
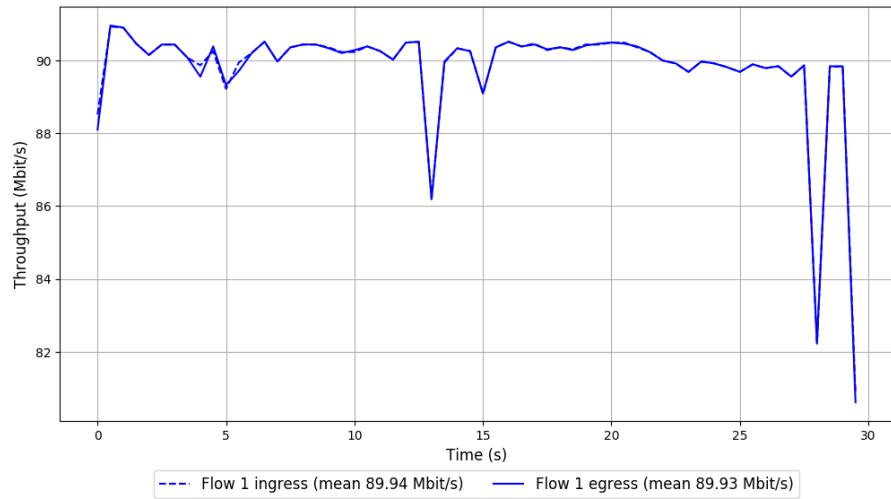


Run 6: Statistics of TaoVA-100x

```
Start at: Sun, 16 Jul 2017 23:34:28 +0000
End at: Sun, 16 Jul 2017 23:34:58 +0000
Local clock offset: -3.929 ms
Remote clock offset: 0.948 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 2.243 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 2.243 ms
Loss rate: 0.02%
```

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



Run 7: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 23:51:25 +0000

End at: Sun, 16 Jul 2017 23:51:55 +0000

Local clock offset: -4.305 ms

Remote clock offset: 0.37 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:40:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 2.097 ms

Loss rate: 0.19%

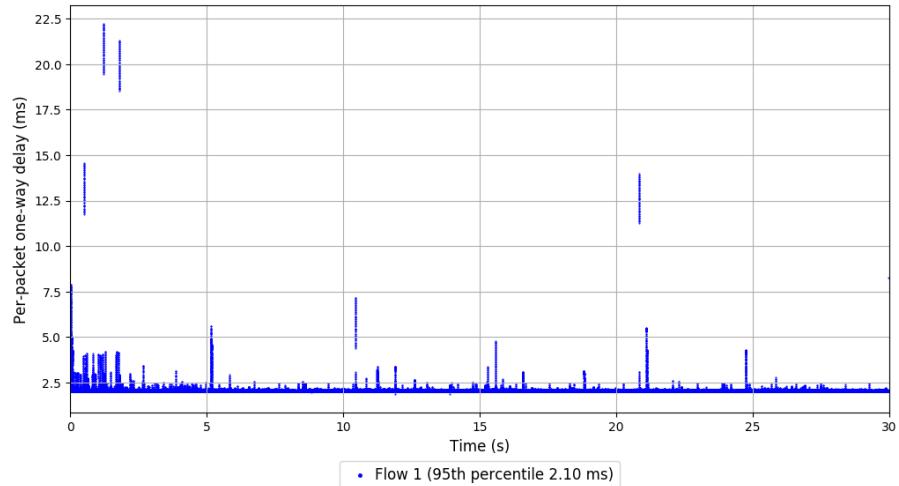
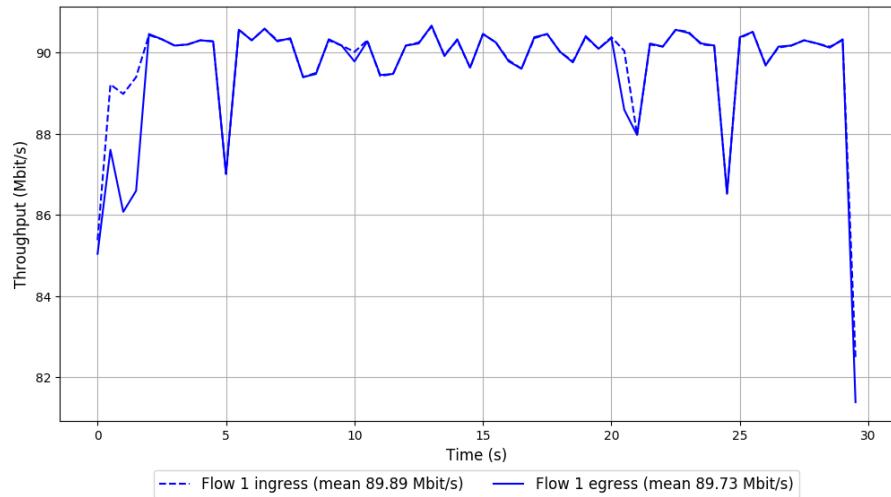
-- Flow 1:

Average throughput: 89.73 Mbit/s

95th percentile per-packet one-way delay: 2.097 ms

Loss rate: 0.19%

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

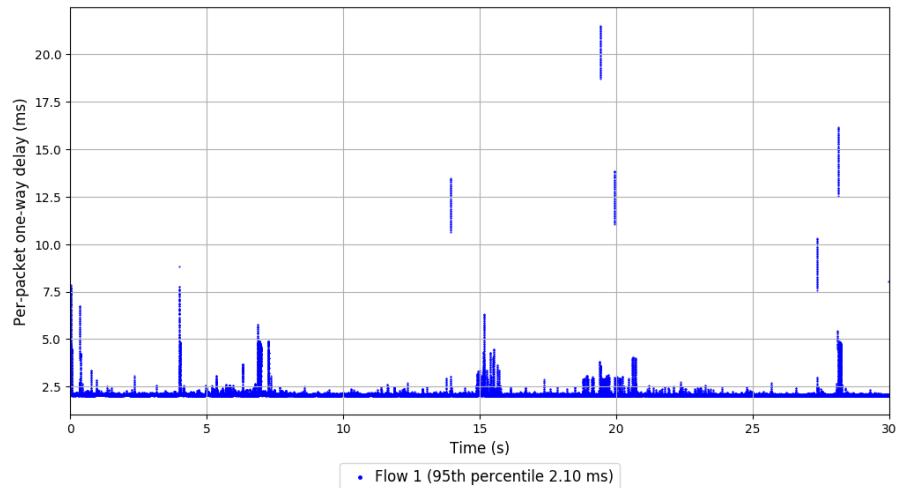
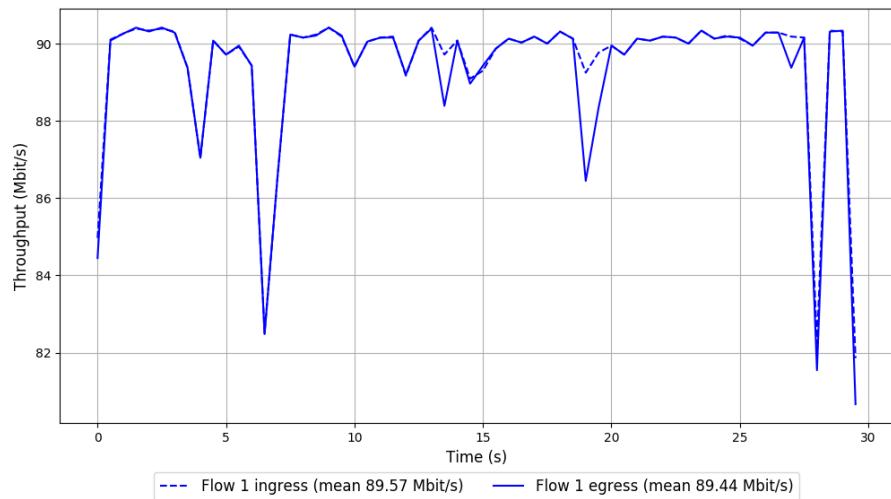


Run 8: Statistics of TaoVA-100x

```
Start at: Mon, 17 Jul 2017 00:08:24 +0000
End at: Mon, 17 Jul 2017 00:08:54 +0000
Local clock offset: -4.536 ms
Remote clock offset: -0.339 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 2.101 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 2.101 ms
Loss rate: 0.16%
```

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

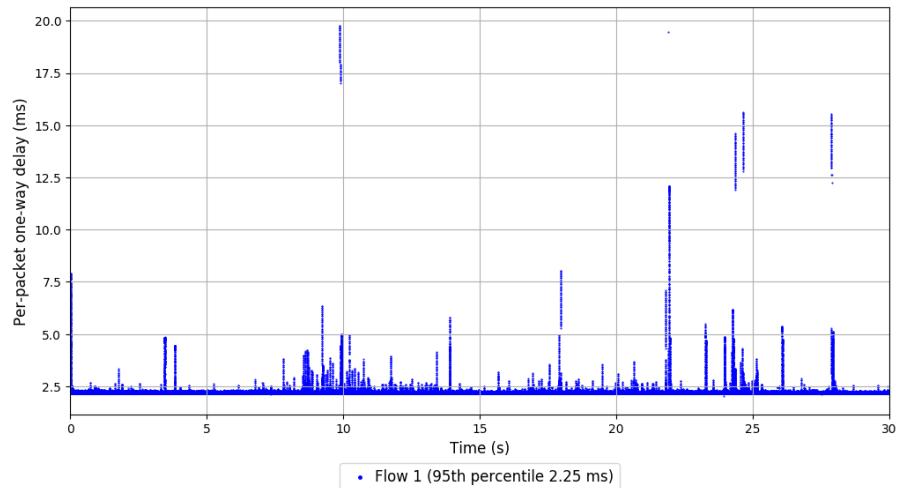
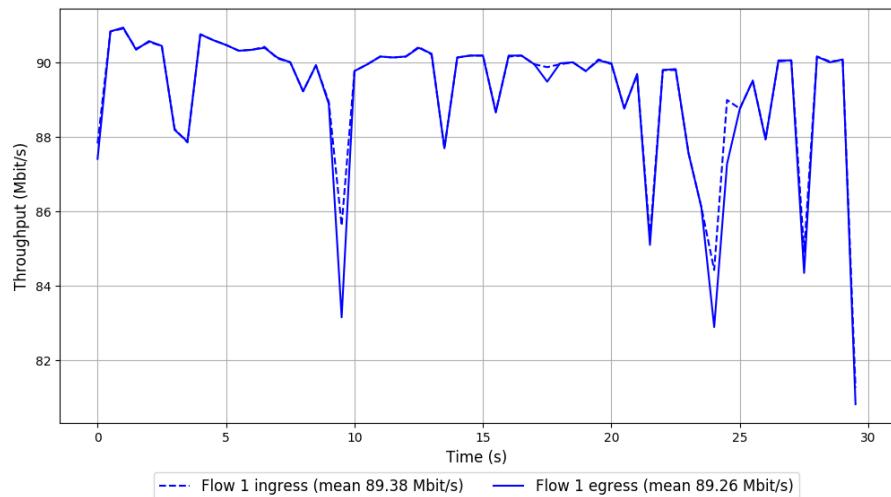


Run 9: Statistics of TaoVA-100x

```
Start at: Mon, 17 Jul 2017 00:25:22 +0000
End at: Mon, 17 Jul 2017 00:25:52 +0000
Local clock offset: -4.27 ms
Remote clock offset: -0.691 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:41:01 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 2.253 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 2.253 ms
Loss rate: 0.14%
```

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

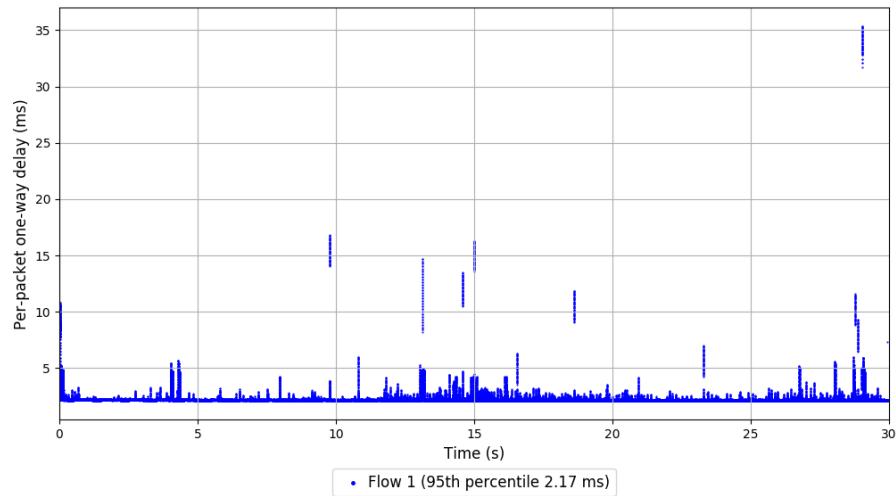
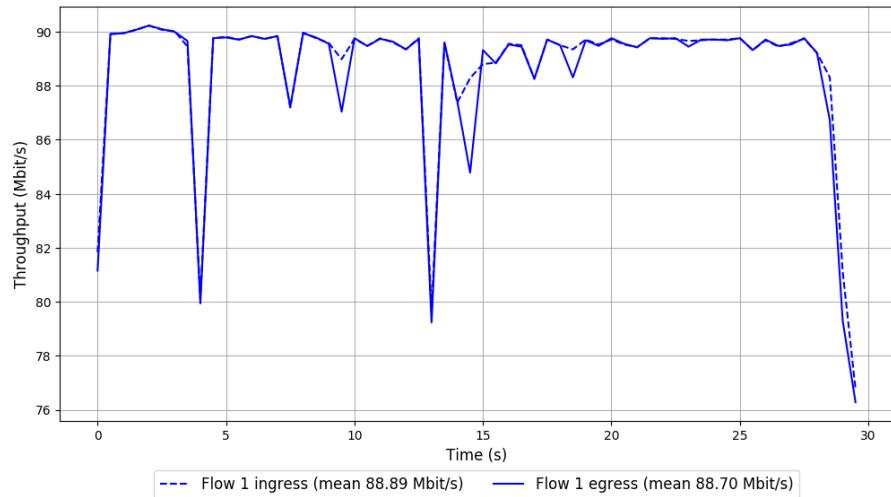


Run 10: Statistics of TaoVA-100x

```
Start at: Mon, 17 Jul 2017 00:42:21 +0000
End at: Mon, 17 Jul 2017 00:42:51 +0000
Local clock offset: -3.568 ms
Remote clock offset: -0.848 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:41:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 2.168 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 2.168 ms
Loss rate: 0.21%
```

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

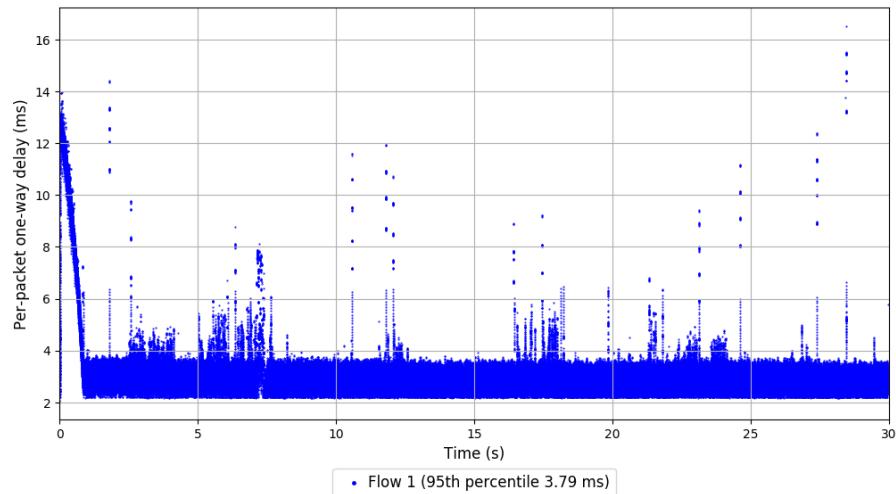
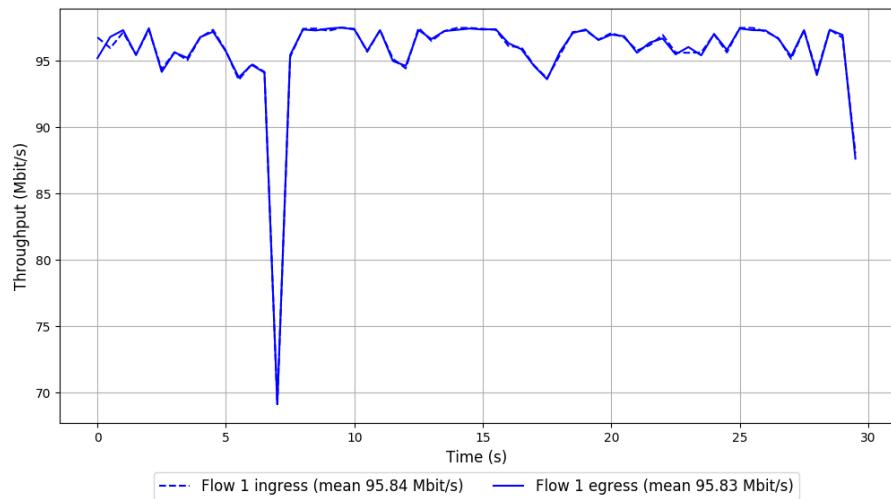


Run 1: Statistics of TCP Vegas

```
Start at: Sun, 16 Jul 2017 22:05:03 +0000
End at: Sun, 16 Jul 2017 22:05:33 +0000
Local clock offset: -3.344 ms
Remote clock offset: 1.187 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:41:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 3.786 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.83 Mbit/s
95th percentile per-packet one-way delay: 3.786 ms
Loss rate: 0.02%
```

Run 1: Report of TCP Vegas — Data Link

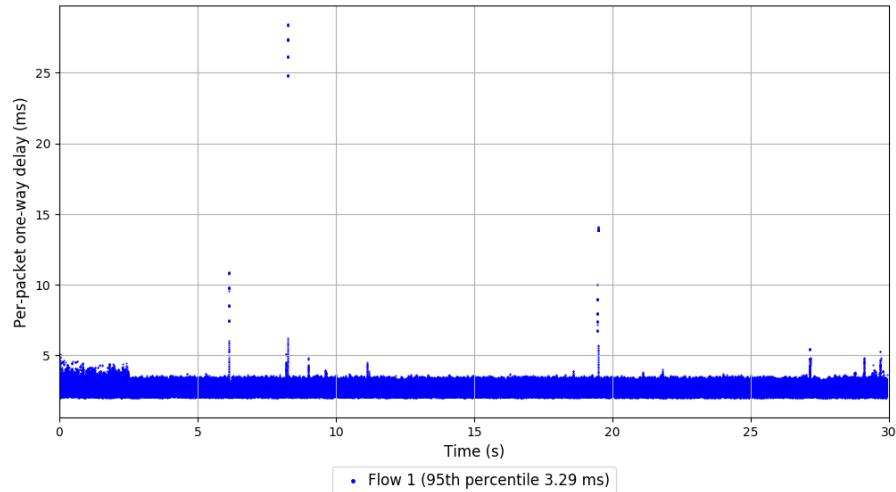
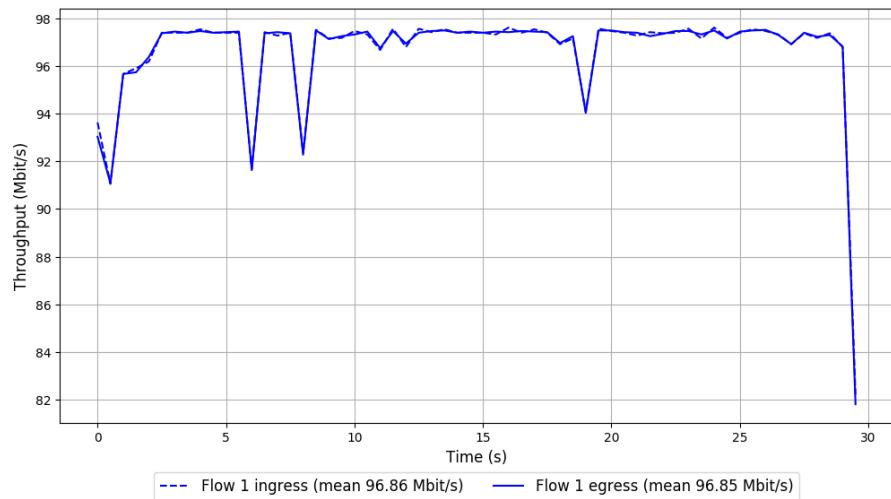


Run 2: Statistics of TCP Vegas

```
Start at: Sun, 16 Jul 2017 22:22:01 +0000
End at: Sun, 16 Jul 2017 22:22:31 +0000
Local clock offset: -3.477 ms
Remote clock offset: 1.422 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:41:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 3.285 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.85 Mbit/s
95th percentile per-packet one-way delay: 3.285 ms
Loss rate: 0.02%
```

Run 2: Report of TCP Vegas — Data Link

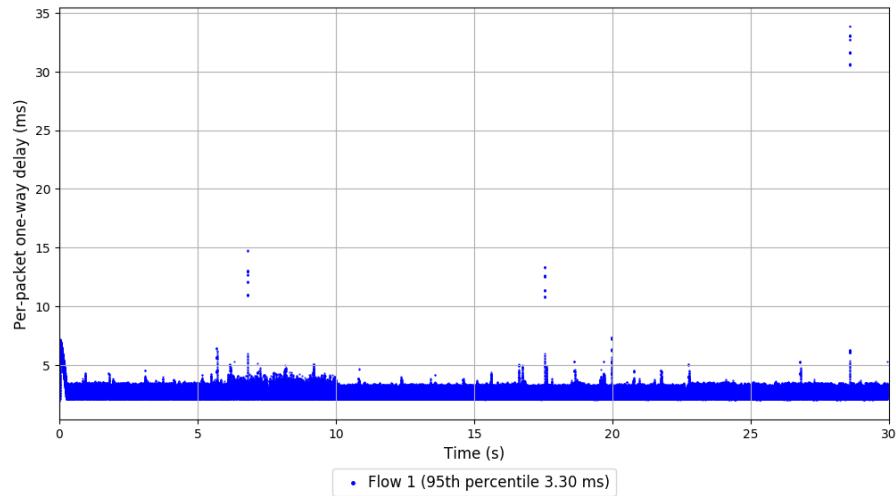
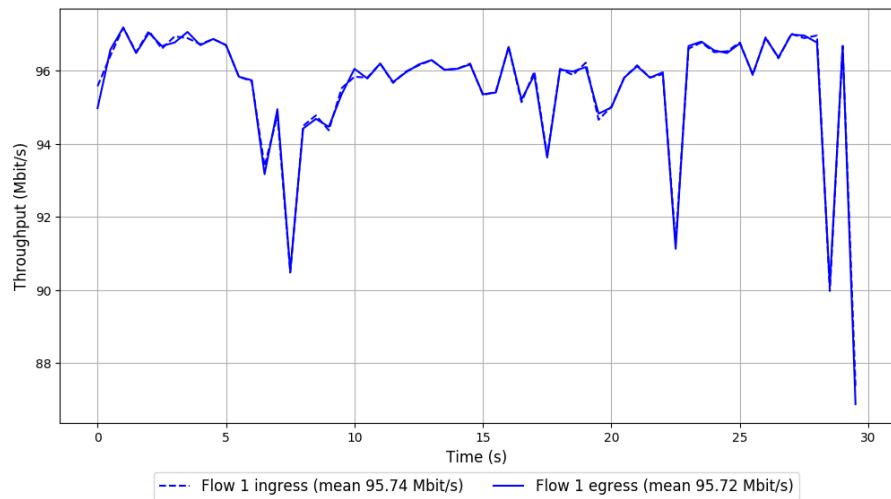


Run 3: Statistics of TCP Vegas

```
Start at: Sun, 16 Jul 2017 22:38:54 +0000
End at: Sun, 16 Jul 2017 22:39:24 +0000
Local clock offset: -3.4 ms
Remote clock offset: 1.187 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:41:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 3.300 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.72 Mbit/s
95th percentile per-packet one-way delay: 3.300 ms
Loss rate: 0.02%
```

Run 3: Report of TCP Vegas — Data Link

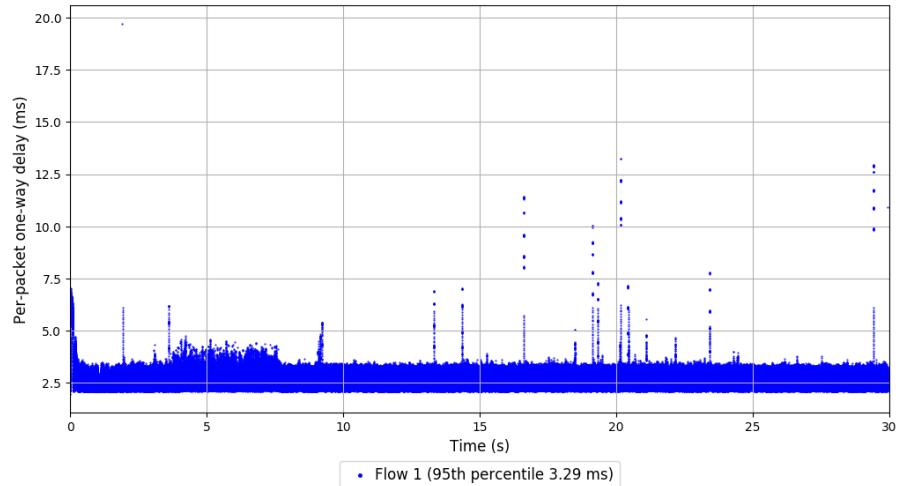
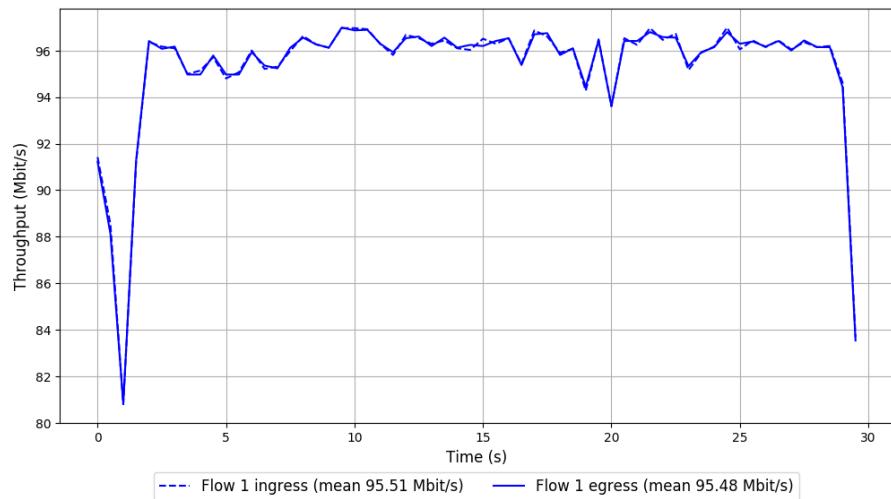


Run 4: Statistics of TCP Vegas

```
Start at: Sun, 16 Jul 2017 22:55:56 +0000
End at: Sun, 16 Jul 2017 22:56:26 +0000
Local clock offset: -3.532 ms
Remote clock offset: 0.773 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:41:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 3.294 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.48 Mbit/s
95th percentile per-packet one-way delay: 3.294 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Vegas — Data Link

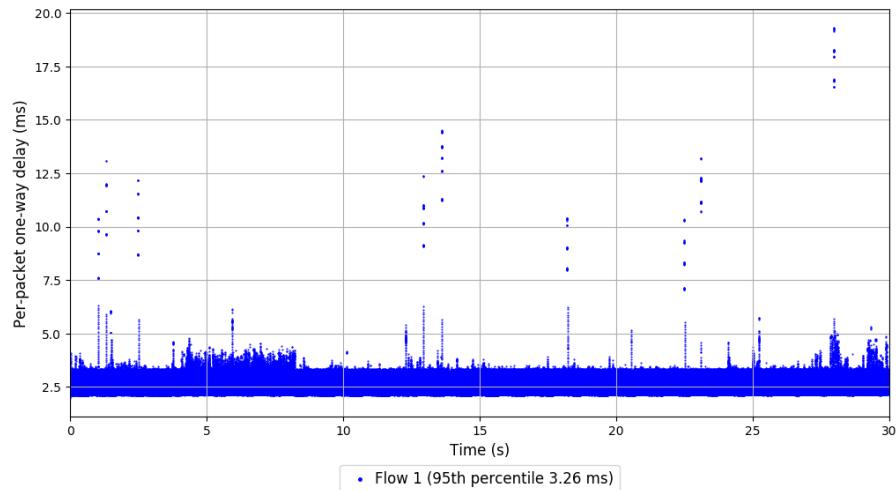
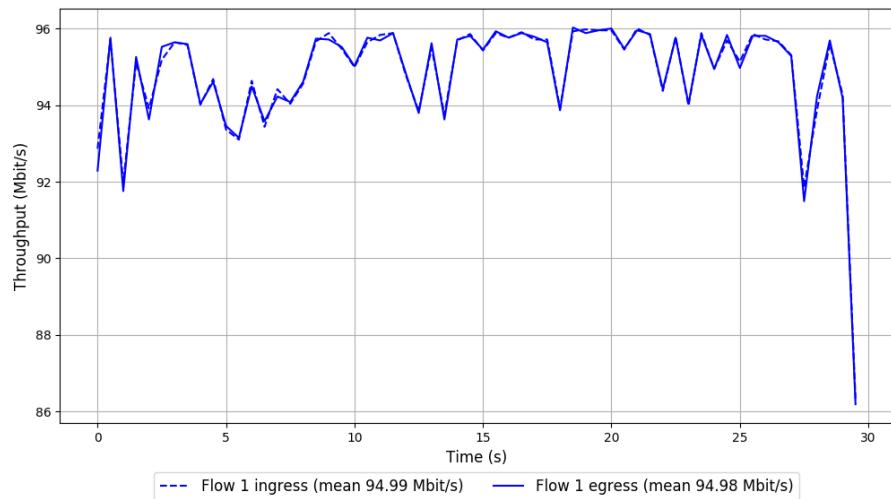


Run 5: Statistics of TCP Vegas

```
Start at: Sun, 16 Jul 2017 23:12:56 +0000
End at: Sun, 16 Jul 2017 23:13:26 +0000
Local clock offset: -3.737 ms
Remote clock offset: 1.117 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:41:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 3.264 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.98 Mbit/s
95th percentile per-packet one-way delay: 3.264 ms
Loss rate: 0.01%
```

Run 5: Report of TCP Vegas — Data Link

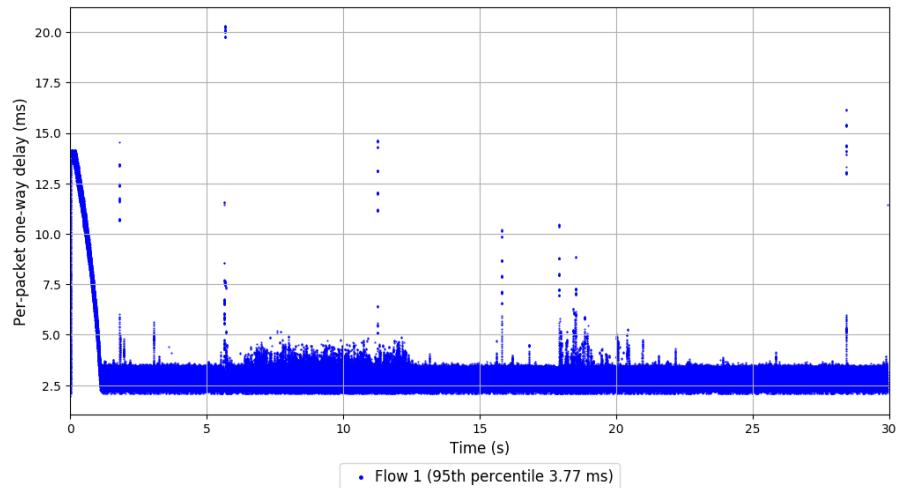
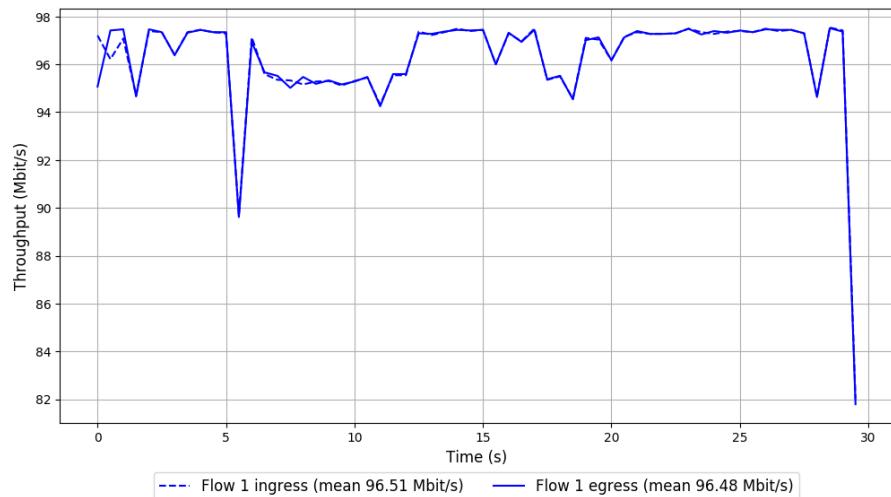


Run 6: Statistics of TCP Vegas

```
Start at: Sun, 16 Jul 2017 23:29:54 +0000
End at: Sun, 16 Jul 2017 23:30:24 +0000
Local clock offset: -3.917 ms
Remote clock offset: 1.117 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:41:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 3.775 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.48 Mbit/s
95th percentile per-packet one-way delay: 3.775 ms
Loss rate: 0.01%
```

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 23:46:52 +0000

End at: Sun, 16 Jul 2017 23:47:22 +0000

Local clock offset: -4.117 ms

Remote clock offset: 0.579 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.61 Mbit/s

95th percentile per-packet one-way delay: 3.415 ms

Loss rate: 0.02%

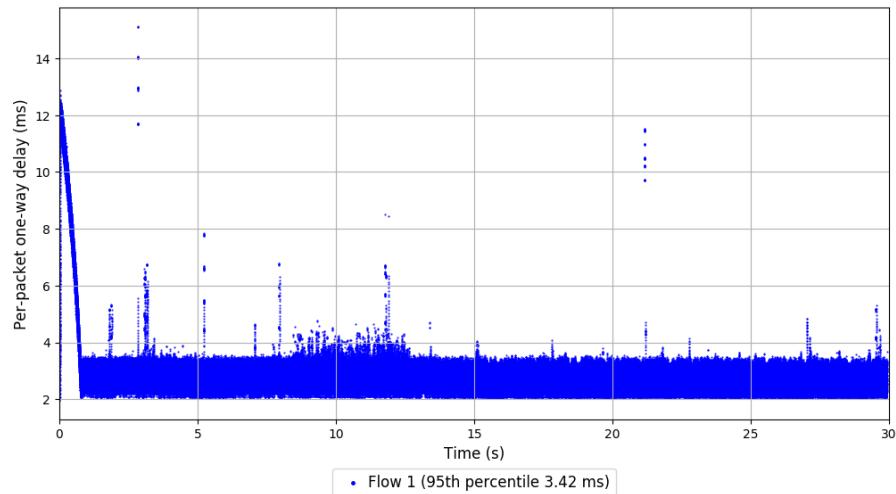
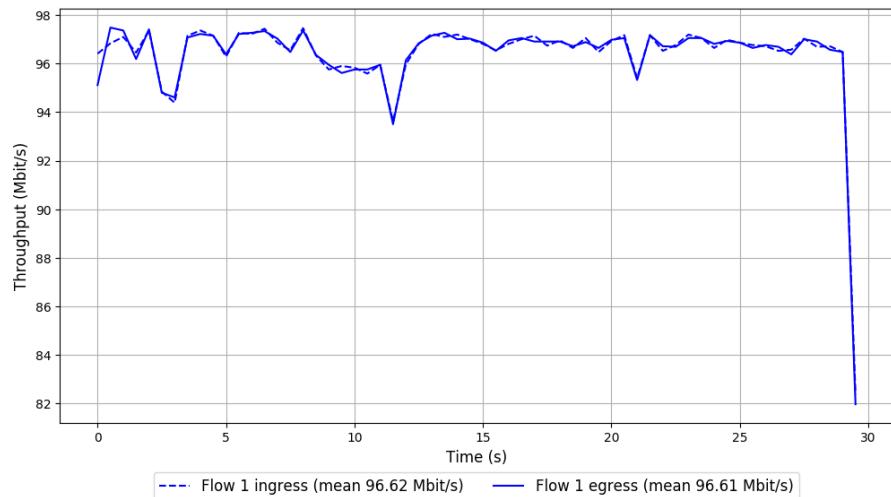
-- Flow 1:

Average throughput: 96.61 Mbit/s

95th percentile per-packet one-way delay: 3.415 ms

Loss rate: 0.02%

Run 7: Report of TCP Vegas — Data Link

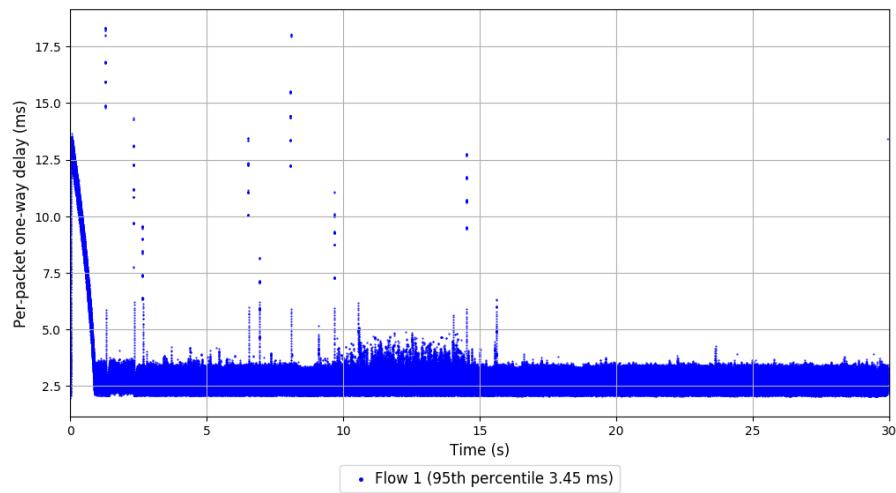
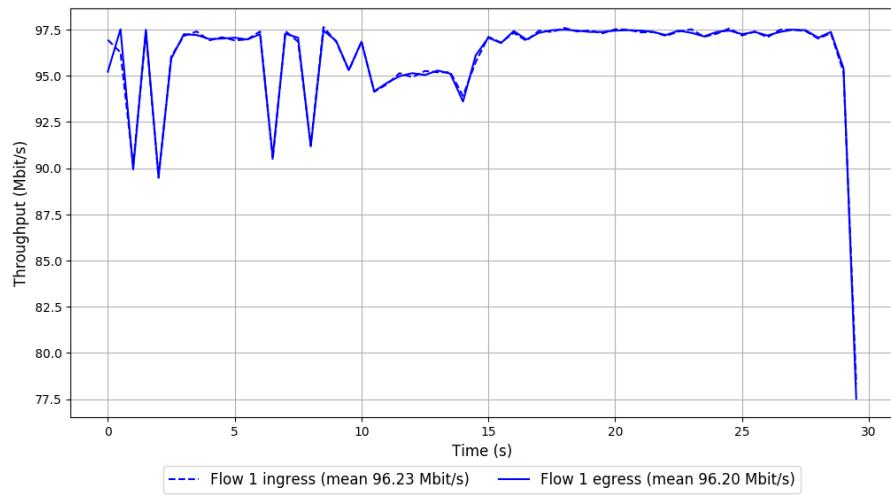


Run 8: Statistics of TCP Vegas

```
Start at: Mon, 17 Jul 2017 00:03:50 +0000
End at: Mon, 17 Jul 2017 00:04:20 +0000
Local clock offset: -4.41 ms
Remote clock offset: -0.122 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:42:00 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 3.451 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.20 Mbit/s
95th percentile per-packet one-way delay: 3.451 ms
Loss rate: 0.02%
```

Run 8: Report of TCP Vegas — Data Link

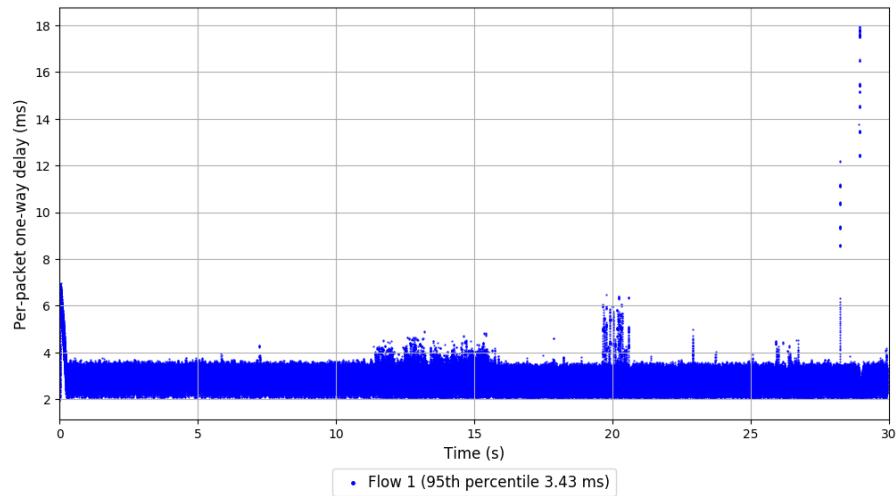
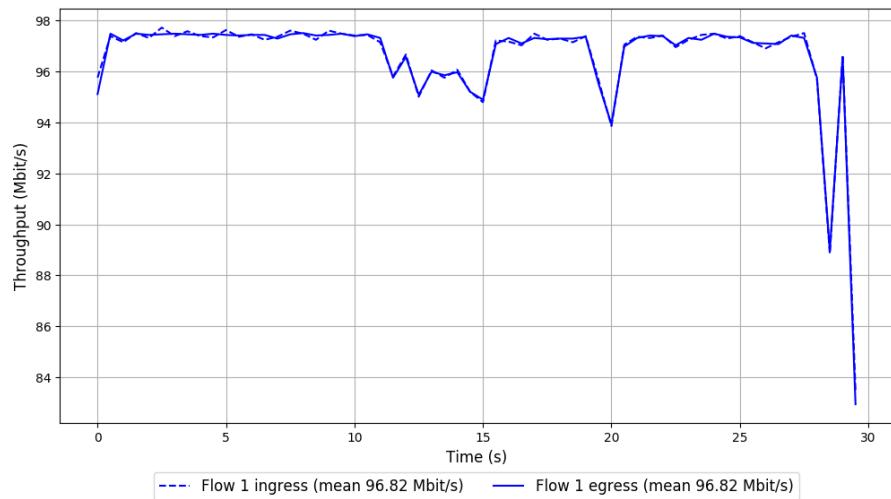


Run 9: Statistics of TCP Vegas

```
Start at: Mon, 17 Jul 2017 00:20:49 +0000
End at: Mon, 17 Jul 2017 00:21:19 +0000
Local clock offset: -4.356 ms
Remote clock offset: -0.564 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:42:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 3.427 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 96.82 Mbit/s
95th percentile per-packet one-way delay: 3.427 ms
Loss rate: 0.02%
```

Run 9: Report of TCP Vegas — Data Link

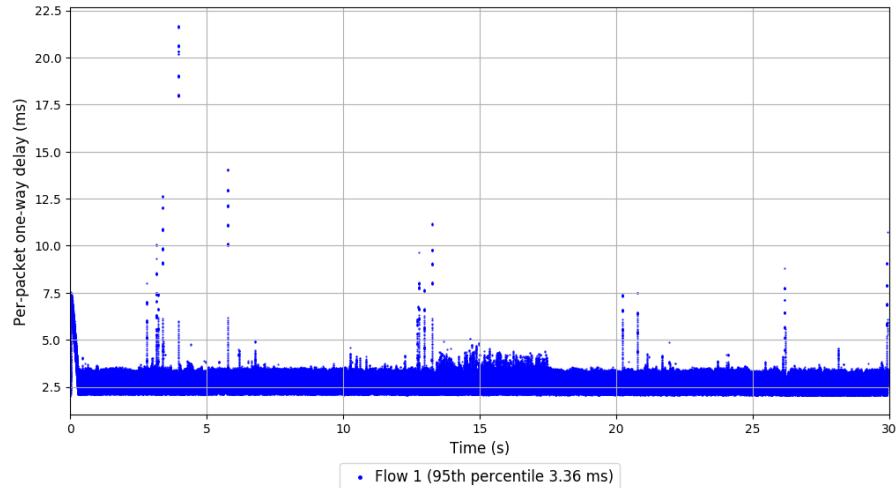
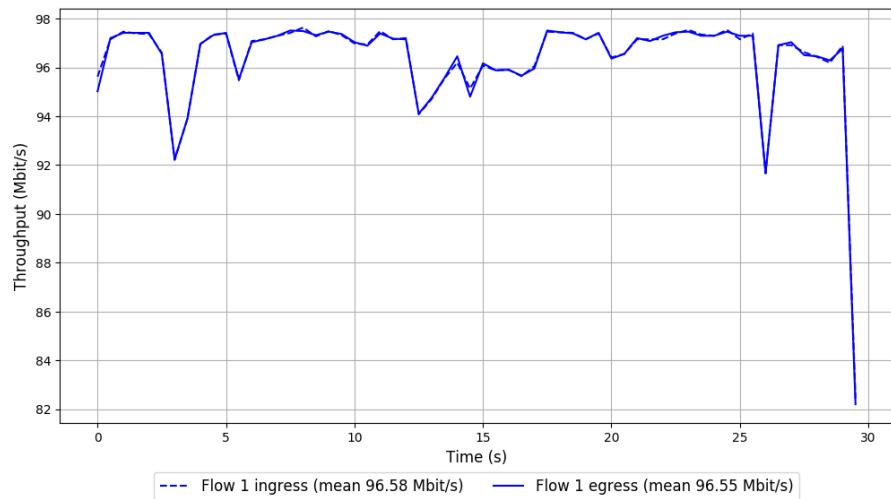


Run 10: Statistics of TCP Vegas

```
Start at: Mon, 17 Jul 2017 00:37:47 +0000
End at: Mon, 17 Jul 2017 00:38:17 +0000
Local clock offset: -3.807 ms
Remote clock offset: -0.798 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:42:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 3.359 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.55 Mbit/s
95th percentile per-packet one-way delay: 3.359 ms
Loss rate: 0.01%
```

Run 10: Report of TCP Vegas — Data Link

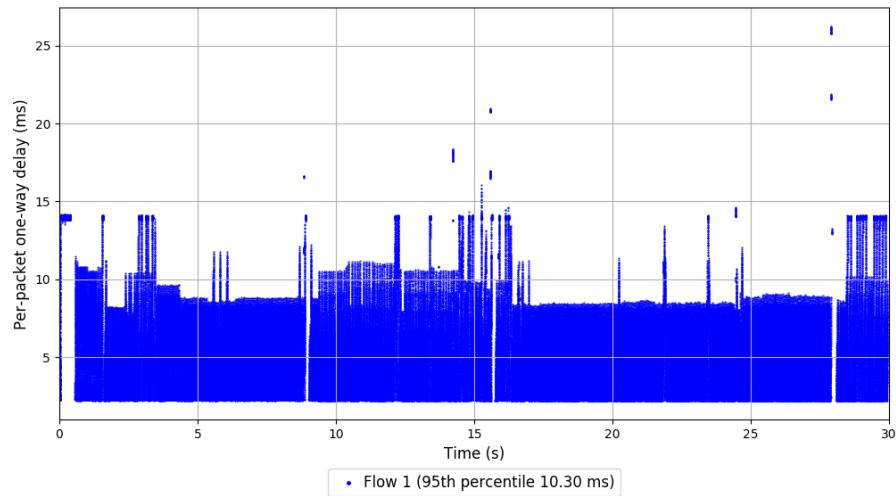
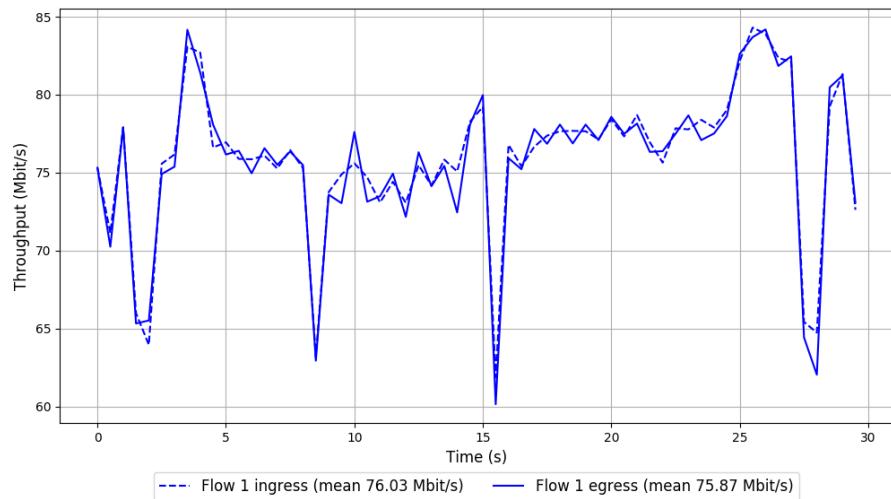


Run 1: Statistics of Verus

```
Start at: Sun, 16 Jul 2017 21:59:26 +0000
End at: Sun, 16 Jul 2017 21:59:56 +0000
Local clock offset: -3.388 ms
Remote clock offset: 1.19 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:42:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.87 Mbit/s
95th percentile per-packet one-way delay: 10.299 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 75.87 Mbit/s
95th percentile per-packet one-way delay: 10.299 ms
Loss rate: 0.22%
```

Run 1: Report of Verus — Data Link

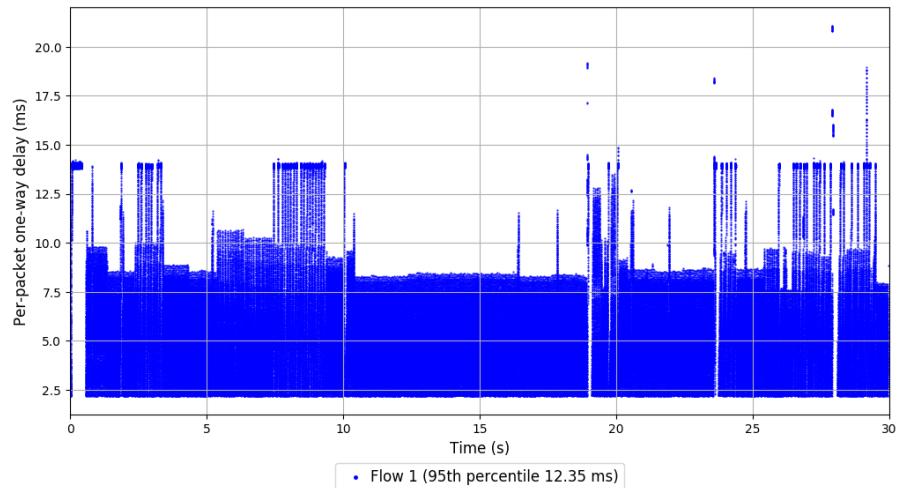
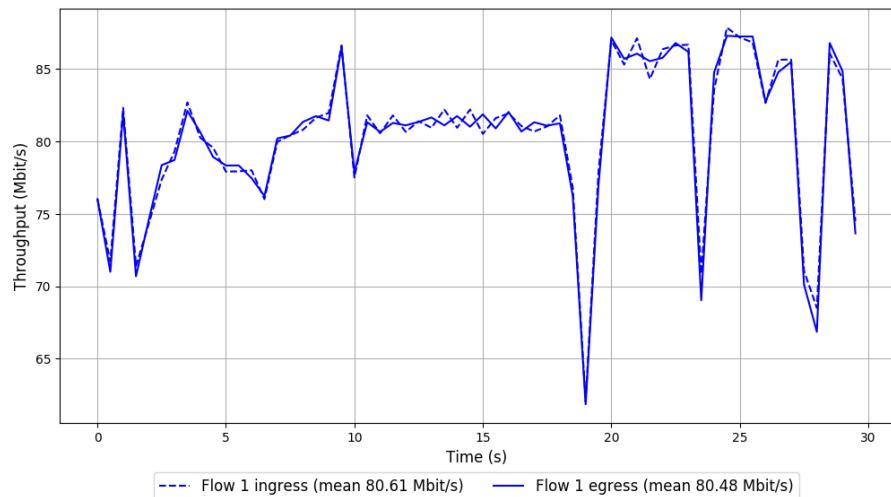


Run 2: Statistics of Verus

```
Start at: Sun, 16 Jul 2017 22:16:24 +0000
End at: Sun, 16 Jul 2017 22:16:54 +0000
Local clock offset: -3.394 ms
Remote clock offset: 1.298 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:42:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.48 Mbit/s
95th percentile per-packet one-way delay: 12.352 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 80.48 Mbit/s
95th percentile per-packet one-way delay: 12.352 ms
Loss rate: 0.15%
```

Run 2: Report of Verus — Data Link

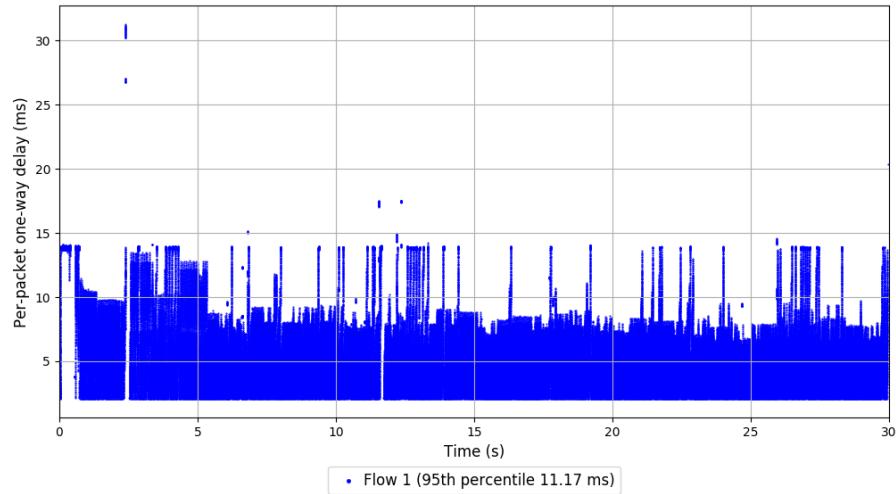
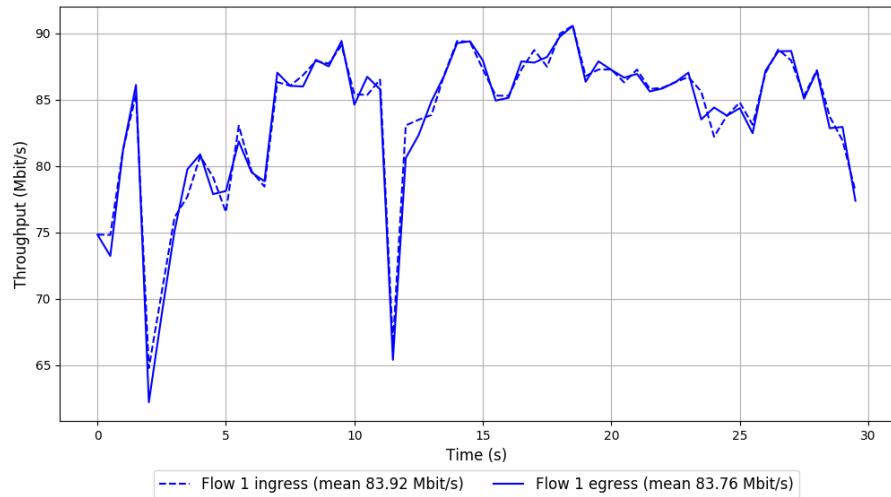


Run 3: Statistics of Verus

```
Start at: Sun, 16 Jul 2017 22:33:23 +0000
End at: Sun, 16 Jul 2017 22:33:53 +0000
Local clock offset: -3.432 ms
Remote clock offset: 1.314 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:42:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 11.171 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 11.171 ms
Loss rate: 0.18%
```

Run 3: Report of Verus — Data Link

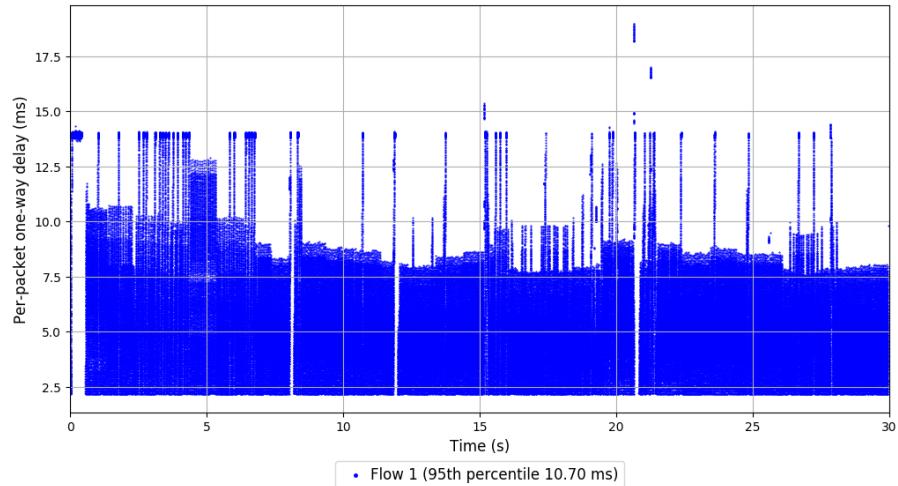
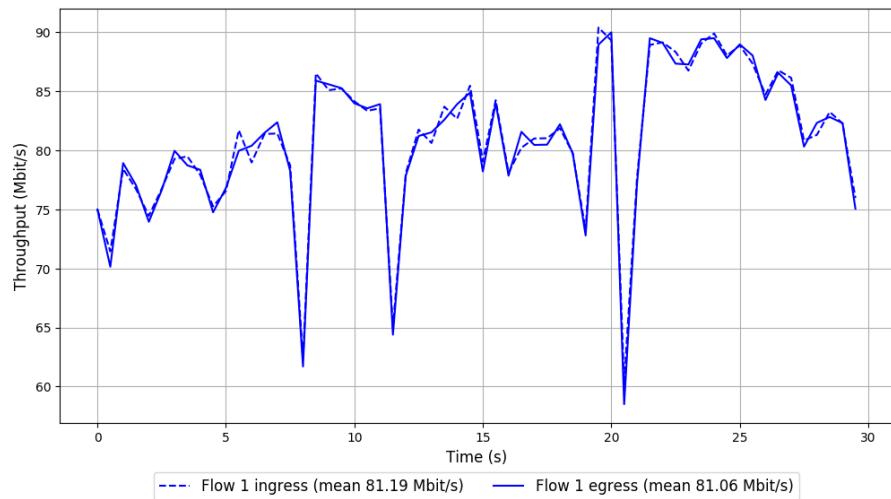


Run 4: Statistics of Verus

```
Start at: Sun, 16 Jul 2017 22:50:15 +0000
End at: Sun, 16 Jul 2017 22:50:45 +0000
Local clock offset: -3.581 ms
Remote clock offset: 0.613 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:42:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.06 Mbit/s
95th percentile per-packet one-way delay: 10.697 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 81.06 Mbit/s
95th percentile per-packet one-way delay: 10.697 ms
Loss rate: 0.16%
```

Run 4: Report of Verus — Data Link

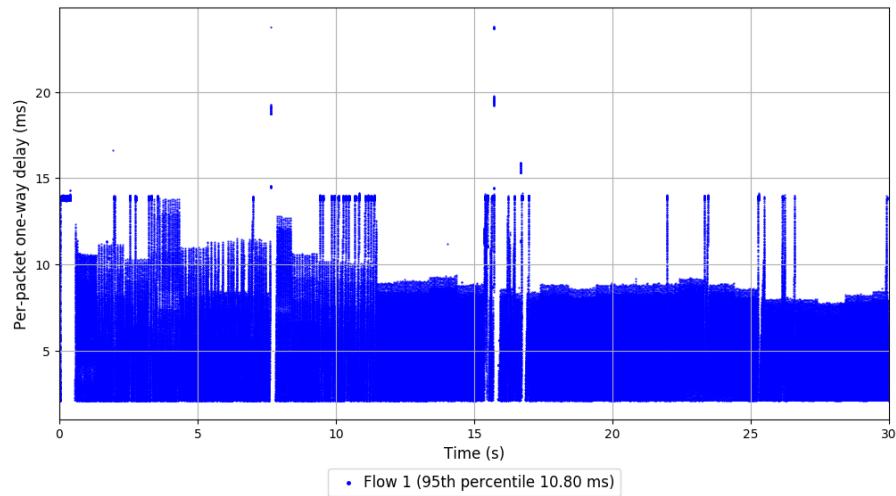
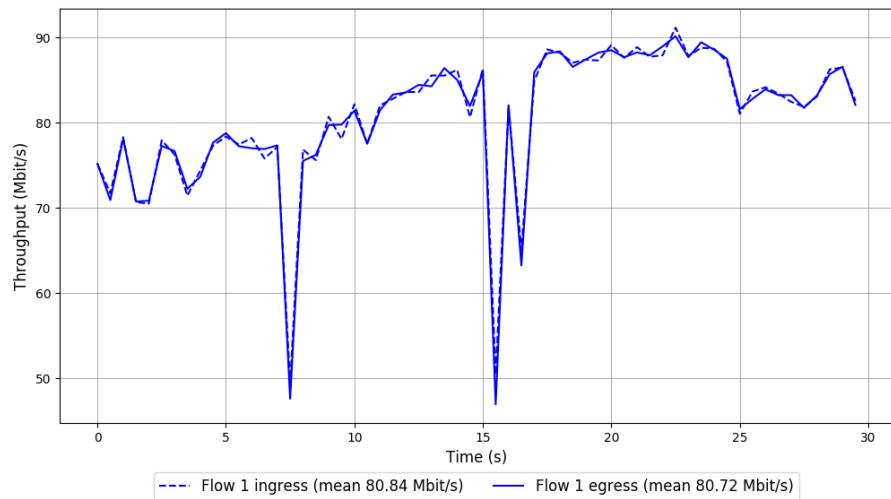


Run 5: Statistics of Verus

```
Start at: Sun, 16 Jul 2017 23:07:18 +0000
End at: Sun, 16 Jul 2017 23:07:48 +0000
Local clock offset: -3.591 ms
Remote clock offset: 1.003 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:42:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.72 Mbit/s
95th percentile per-packet one-way delay: 10.805 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 80.72 Mbit/s
95th percentile per-packet one-way delay: 10.805 ms
Loss rate: 0.16%
```

Run 5: Report of Verus — Data Link

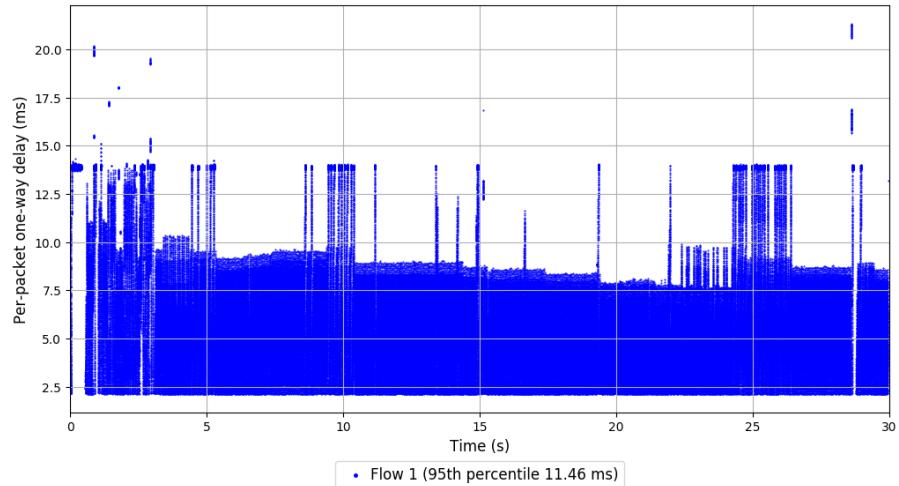
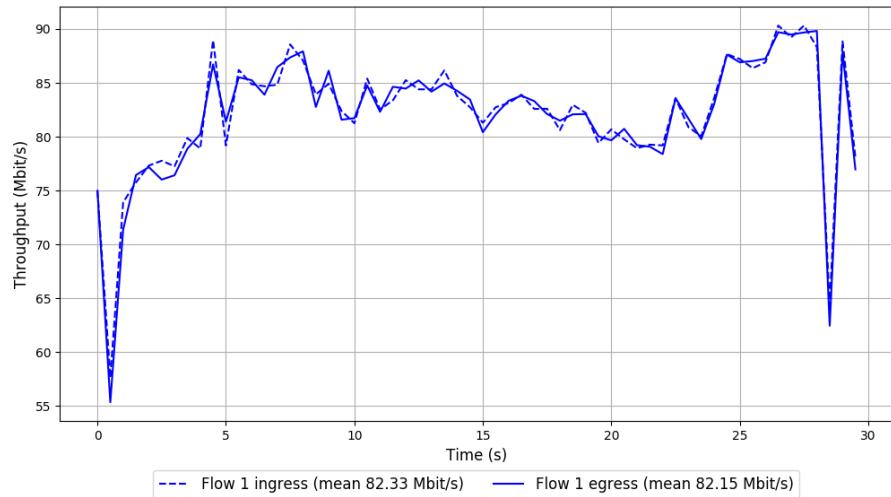


Run 6: Statistics of Verus

```
Start at: Sun, 16 Jul 2017 23:24:17 +0000
End at: Sun, 16 Jul 2017 23:24:47 +0000
Local clock offset: -3.82 ms
Remote clock offset: 1.208 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:42:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.15 Mbit/s
95th percentile per-packet one-way delay: 11.458 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 82.15 Mbit/s
95th percentile per-packet one-way delay: 11.458 ms
Loss rate: 0.22%
```

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sun, 16 Jul 2017 23:41:15 +0000

End at: Sun, 16 Jul 2017 23:41:45 +0000

Local clock offset: -4.099 ms

Remote clock offset: 0.78 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:42:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 9.219 ms

Loss rate: 0.19%

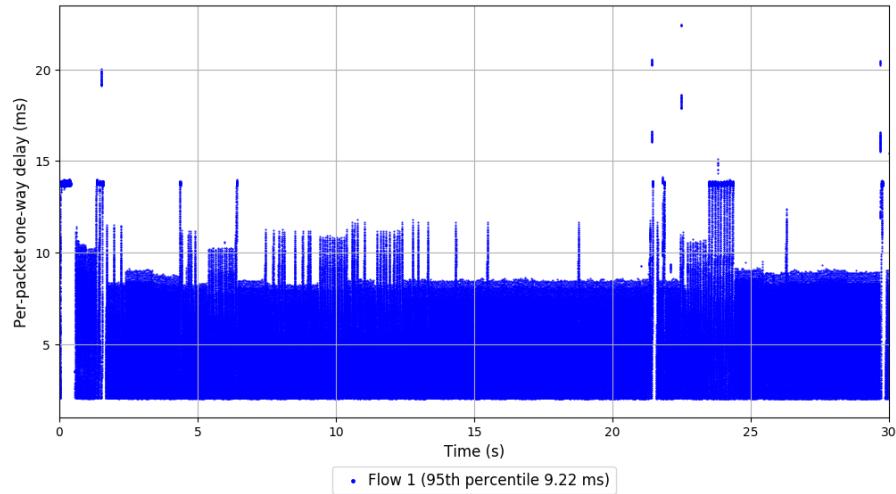
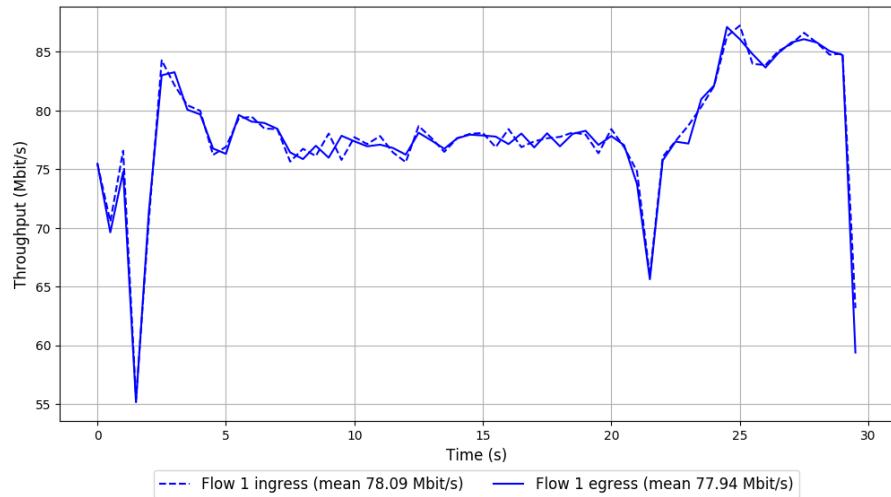
-- Flow 1:

Average throughput: 77.94 Mbit/s

95th percentile per-packet one-way delay: 9.219 ms

Loss rate: 0.19%

Run 7: Report of Verus — Data Link

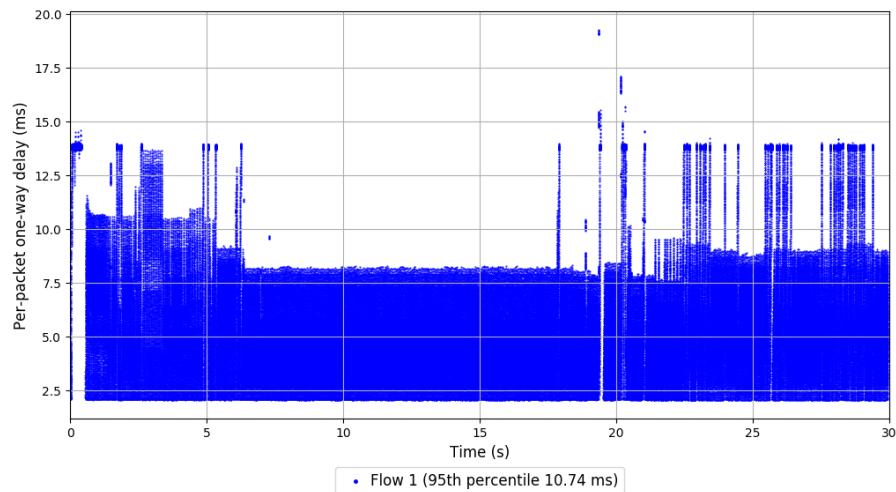
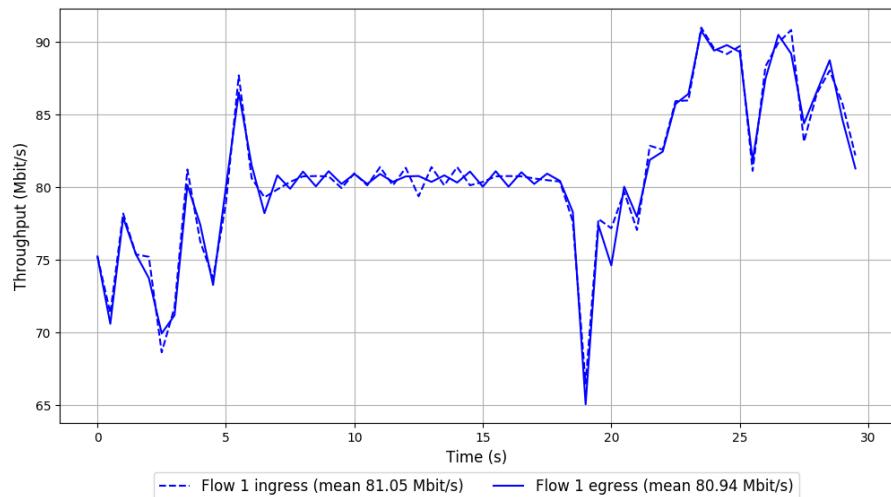


Run 8: Statistics of Verus

```
Start at: Sun, 16 Jul 2017 23:58:13 +0000
End at: Sun, 16 Jul 2017 23:58:43 +0000
Local clock offset: -4.275 ms
Remote clock offset: 0.144 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:42:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 10.743 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 10.743 ms
Loss rate: 0.13%
```

Run 8: Report of Verus — Data Link

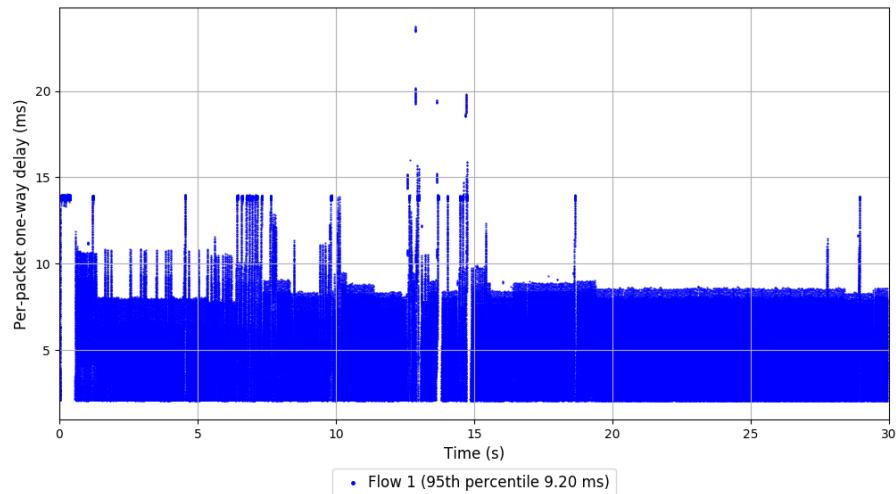
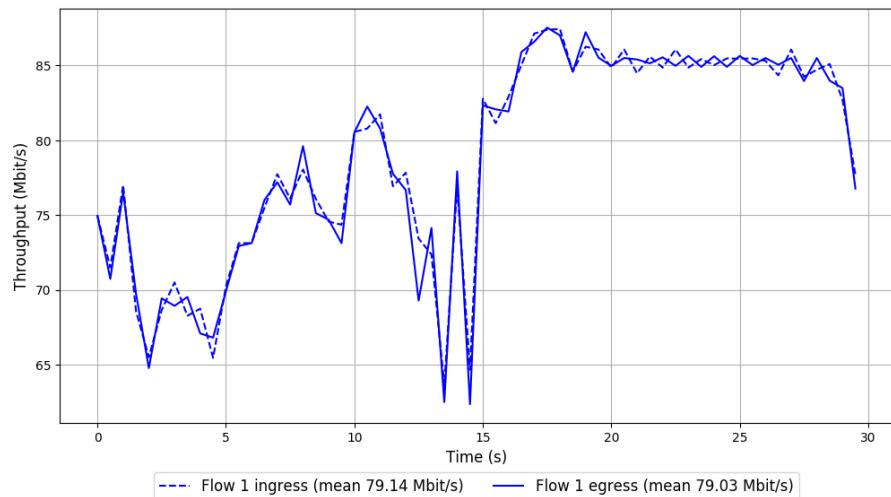


Run 9: Statistics of Verus

```
Start at: Mon, 17 Jul 2017 00:15:12 +0000
End at: Mon, 17 Jul 2017 00:15:42 +0000
Local clock offset: -4.579 ms
Remote clock offset: -0.625 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:43:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.03 Mbit/s
95th percentile per-packet one-way delay: 9.204 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 79.03 Mbit/s
95th percentile per-packet one-way delay: 9.204 ms
Loss rate: 0.16%
```

Run 9: Report of Verus — Data Link

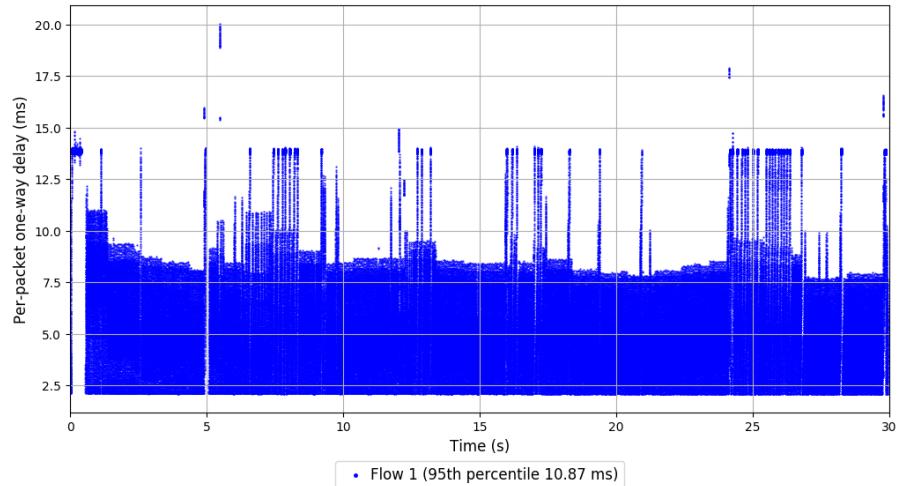
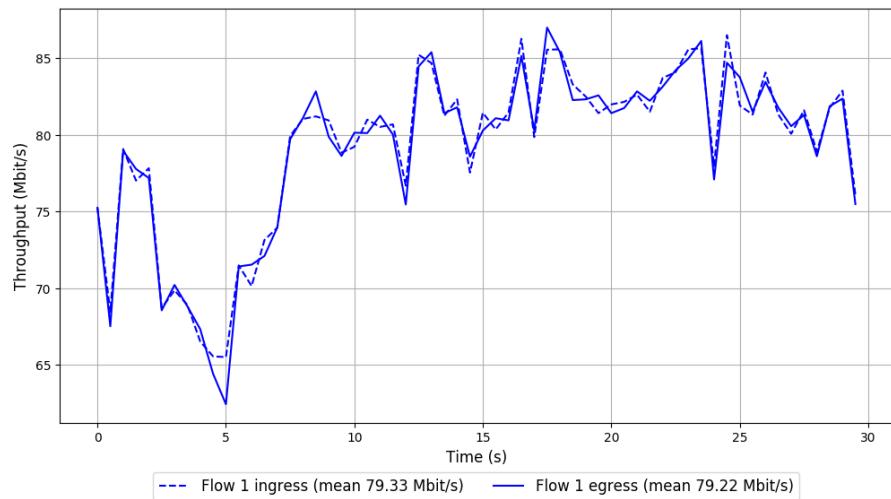


Run 10: Statistics of Verus

```
Start at: Mon, 17 Jul 2017 00:32:10 +0000
End at: Mon, 17 Jul 2017 00:32:40 +0000
Local clock offset: -4.136 ms
Remote clock offset: -0.745 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:43:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.22 Mbit/s
95th percentile per-packet one-way delay: 10.872 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 79.22 Mbit/s
95th percentile per-packet one-way delay: 10.872 ms
Loss rate: 0.15%
```

Run 10: Report of Verus — Data Link

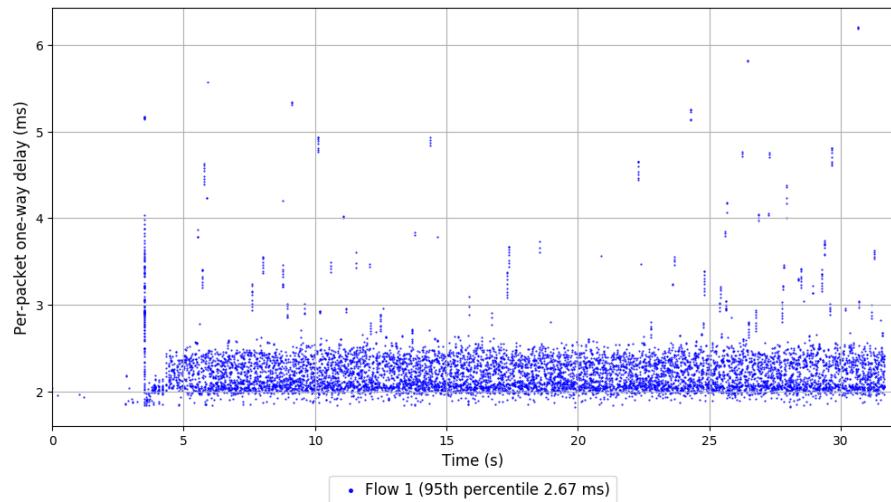
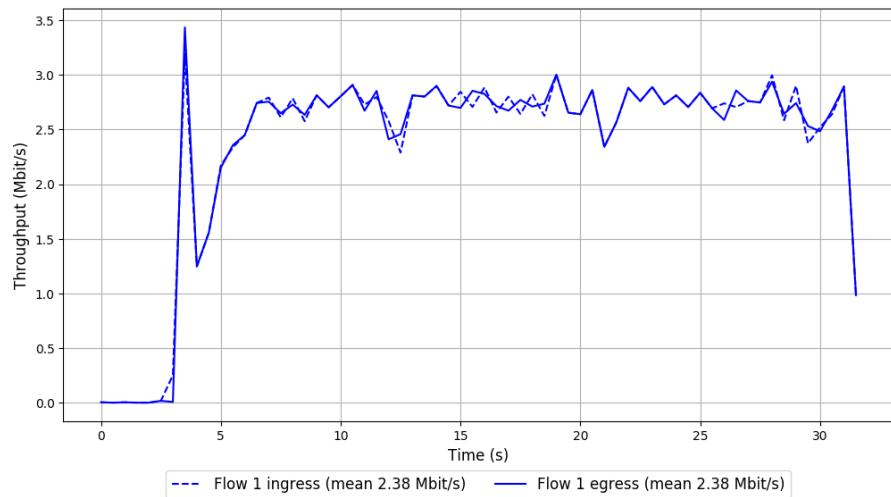


```
Run 1: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 21:58:23 +0000
End at: Sun, 16 Jul 2017 21:58:53 +0000
Local clock offset: -3.469 ms
Remote clock offset: 1.323 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:43:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.670 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

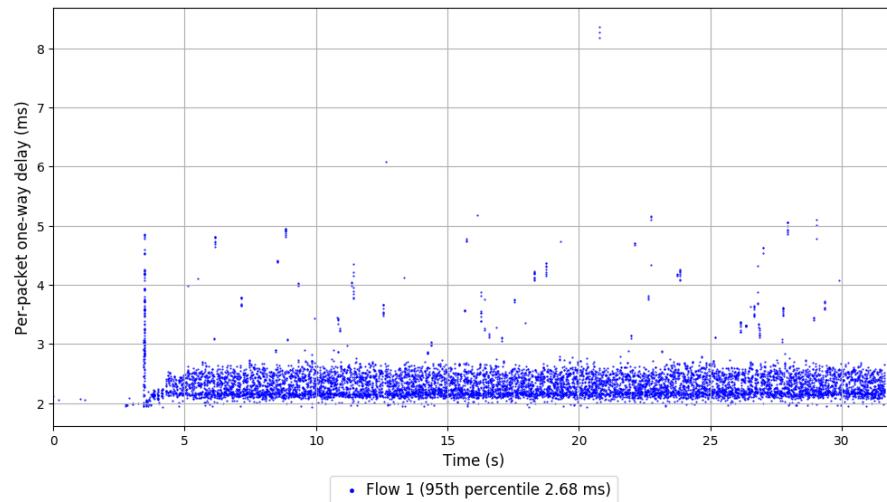
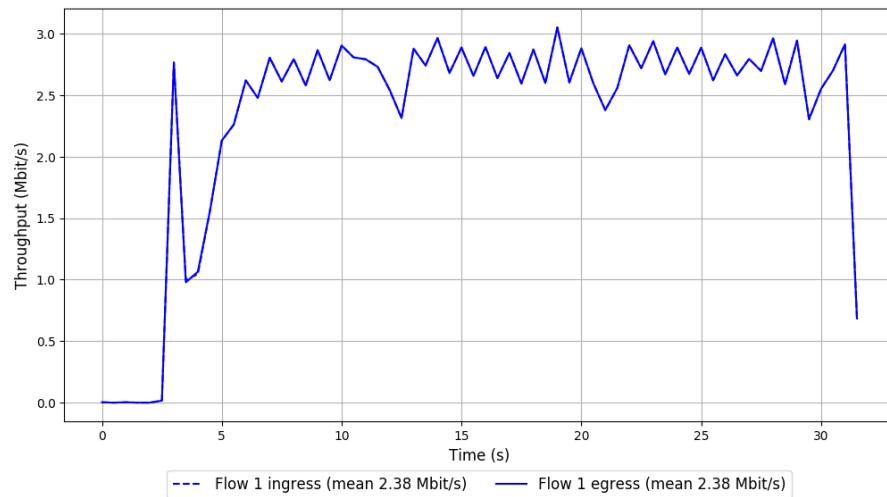


Run 2: Statistics of WebRTC media

```
Start at: Sun, 16 Jul 2017 22:15:21 +0000
End at: Sun, 16 Jul 2017 22:15:51 +0000
Local clock offset: -3.429 ms
Remote clock offset: 1.334 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:43:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.681 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.681 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

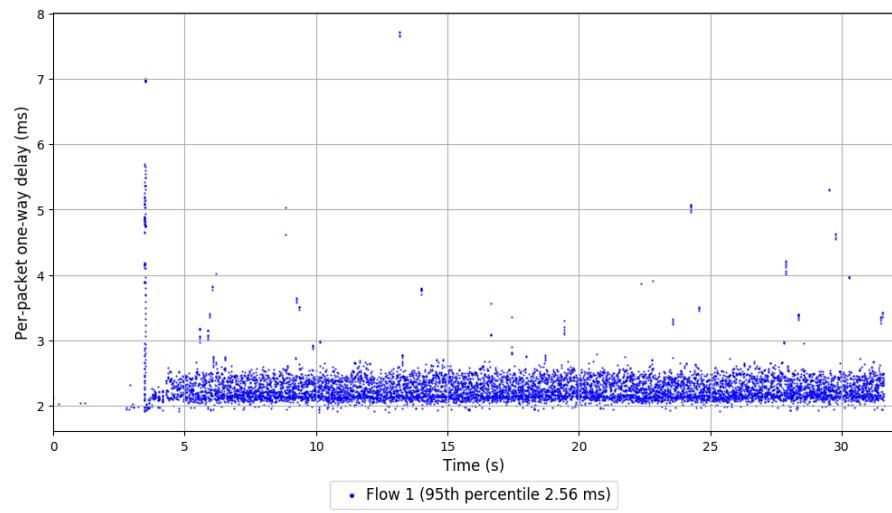
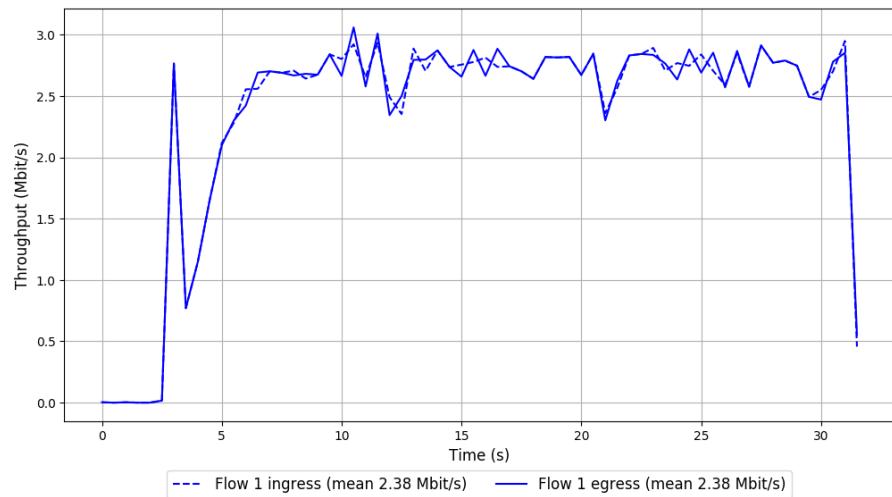


```
Run 3: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 22:32:19 +0000
End at: Sun, 16 Jul 2017 22:32:49 +0000
Local clock offset: -3.409 ms
Remote clock offset: 1.332 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:43:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.564 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

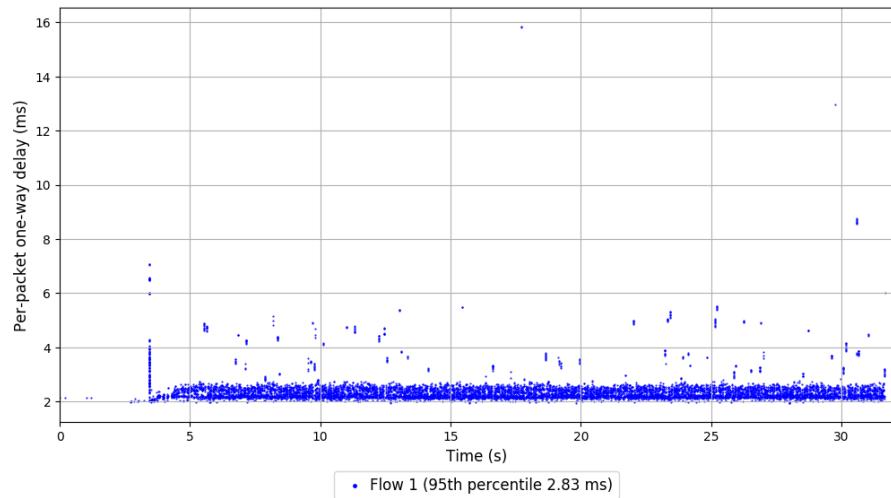
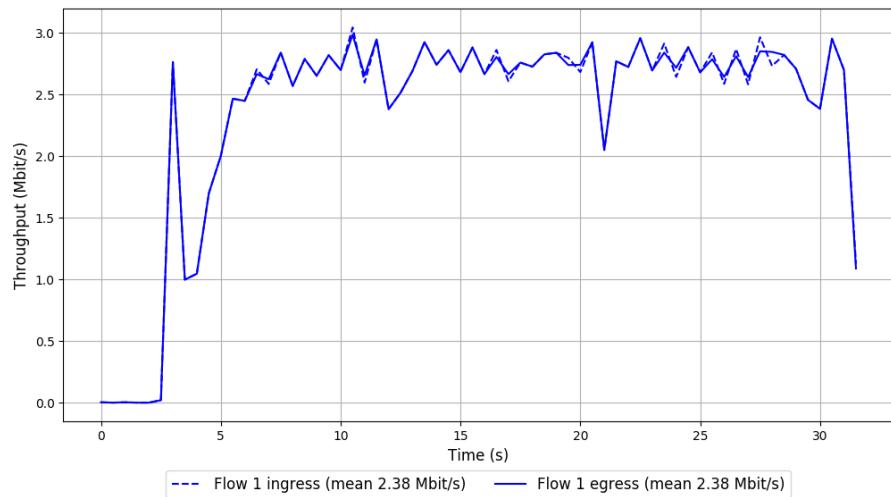


Run 4: Statistics of WebRTC media

```
Start at: Sun, 16 Jul 2017 22:49:12 +0000
End at: Sun, 16 Jul 2017 22:49:42 +0000
Local clock offset: -3.481 ms
Remote clock offset: 0.783 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:43:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.833 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.833 ms
Loss rate: 0.02%
```

Run 4: Report of WebRTC media — Data Link

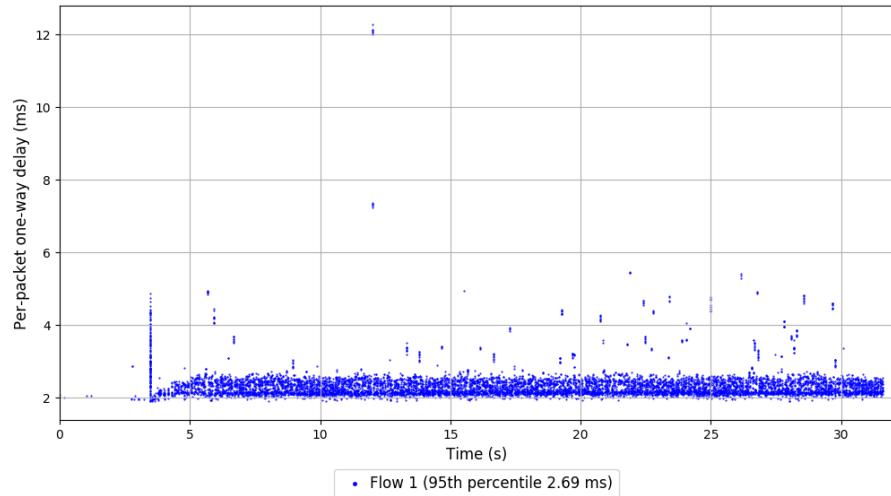
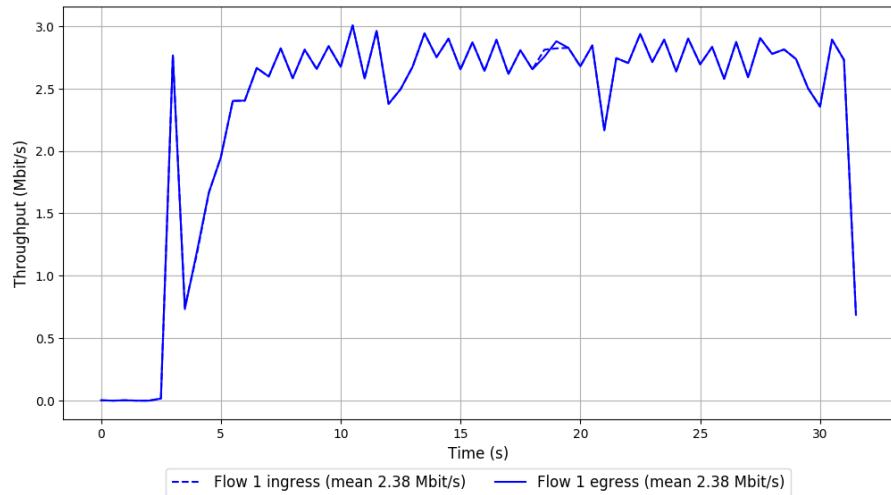


Run 5: Statistics of WebRTC media

```
Start at: Sun, 16 Jul 2017 23:06:15 +0000
End at: Sun, 16 Jul 2017 23:06:45 +0000
Local clock offset: -3.416 ms
Remote clock offset: 1.173 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:43:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.692 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

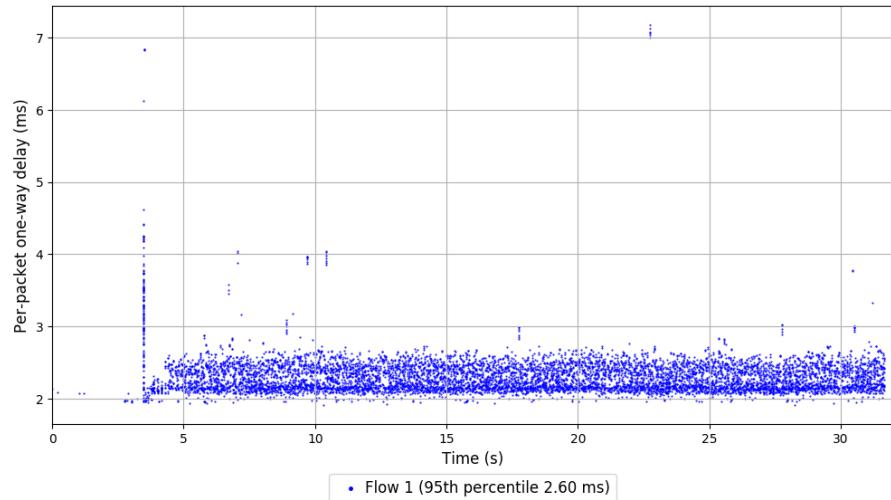
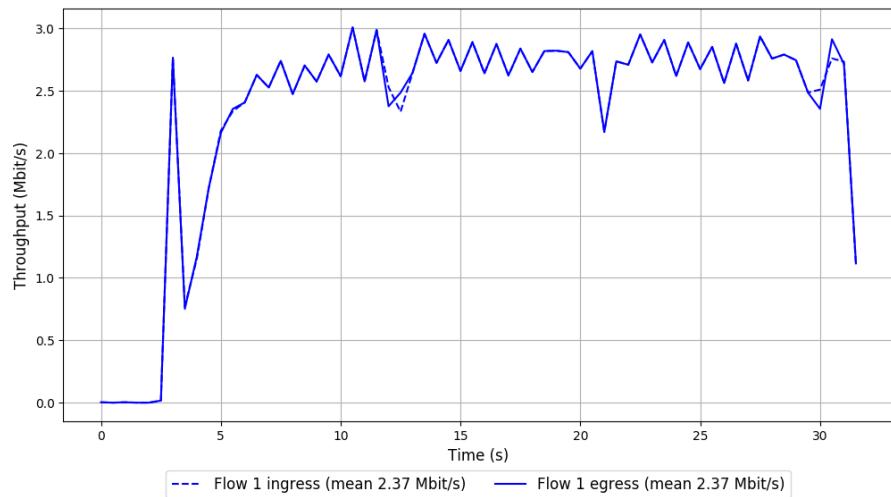


Run 6: Statistics of WebRTC media

```
Start at: Sun, 16 Jul 2017 23:23:13 +0000
End at: Sun, 16 Jul 2017 23:23:43 +0000
Local clock offset: -3.841 ms
Remote clock offset: 1.232 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:43:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2.601 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2.601 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 23:40:11 +0000

End at: Sun, 16 Jul 2017 23:40:41 +0000

Local clock offset: -3.972 ms

Remote clock offset: 0.87 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 2.614 ms

Loss rate: 0.03%

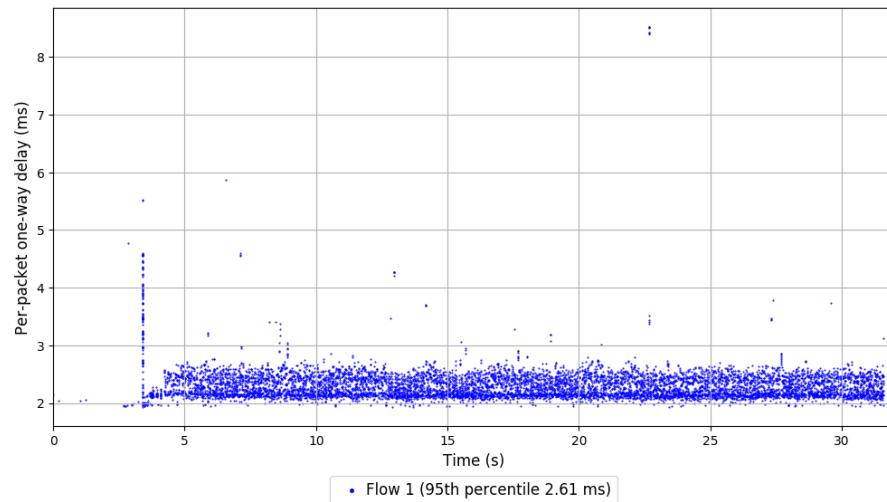
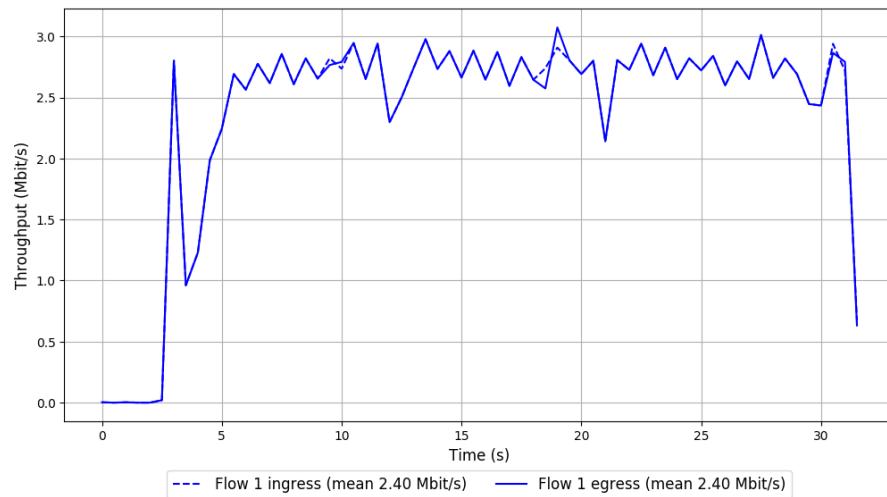
-- Flow 1:

Average throughput: 2.40 Mbit/s

95th percentile per-packet one-way delay: 2.614 ms

Loss rate: 0.03%

Run 7: Report of WebRTC media — Data Link

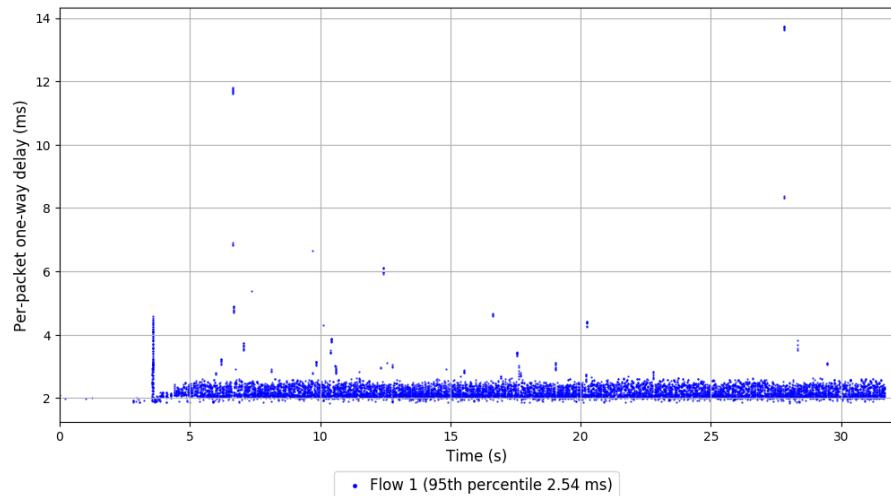
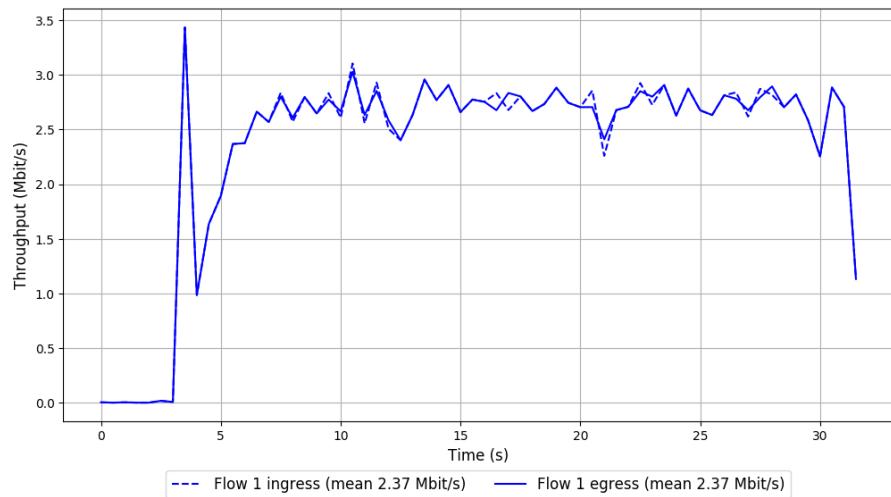


Run 8: Statistics of WebRTC media

```
Start at: Sun, 16 Jul 2017 23:57:09 +0000
End at: Sun, 16 Jul 2017 23:57:39 +0000
Local clock offset: -4.361 ms
Remote clock offset: 0.15 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:43:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2.543 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 2.543 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

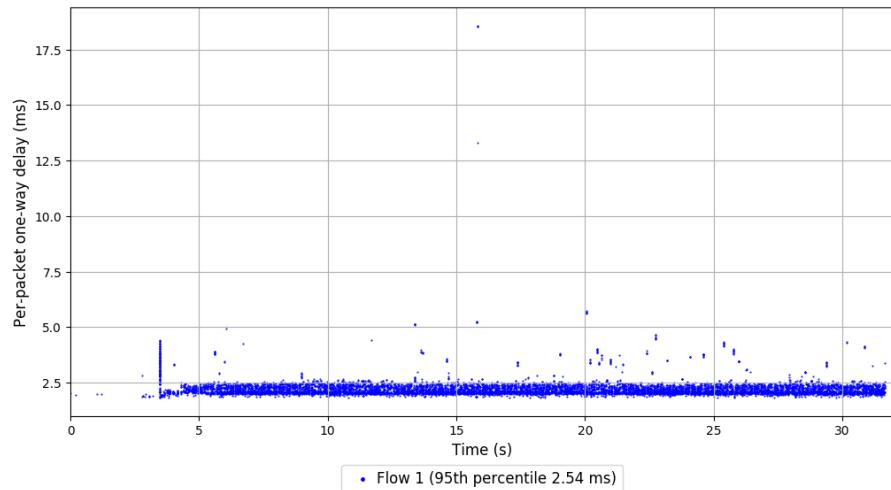
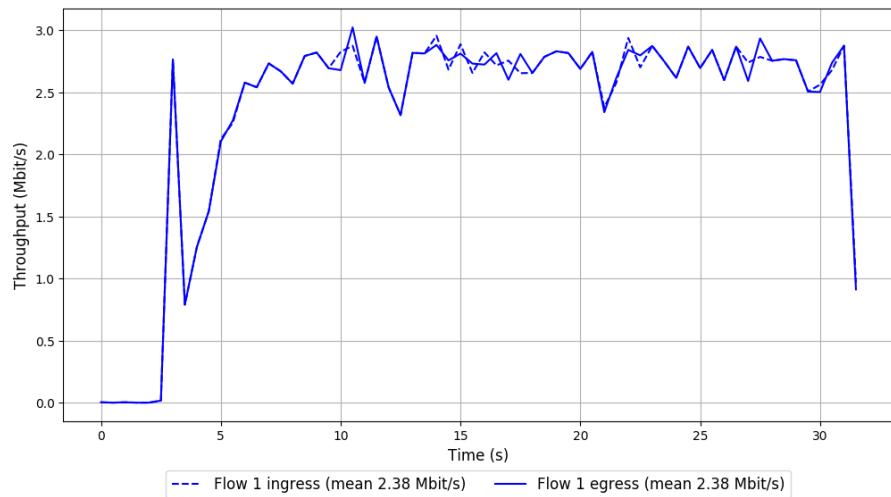


Run 9: Statistics of WebRTC media

```
Start at: Mon, 17 Jul 2017 00:14:08 +0000
End at: Mon, 17 Jul 2017 00:14:38 +0000
Local clock offset: -4.617 ms
Remote clock offset: -0.532 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:43:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.545 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.545 ms
Loss rate: 0.04%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media

Start at: Mon, 17 Jul 2017 00:31:06 +0000
End at: Mon, 17 Jul 2017 00:31:36 +0000
Local clock offset: -4.185 ms
Remote clock offset: -0.665 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:43:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.817 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 2.817 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

