

Pantheon Summary (Generated at Tue, 25 Jul 2017 02:48:47 +0000 with pantheon version 266b116f0817a07d000b4d181ce187fd27d3e654)

Repeated the test of 15 congestion control schemes 10 times.

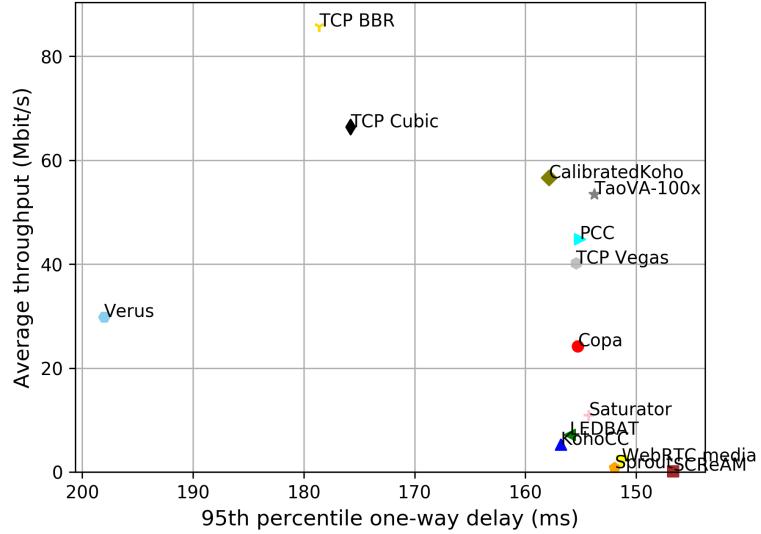
Each test lasted for 30 seconds running 1 flow.

Data path: China Ethernet (*remote*) → AWS Korea Ethernet (*local*).

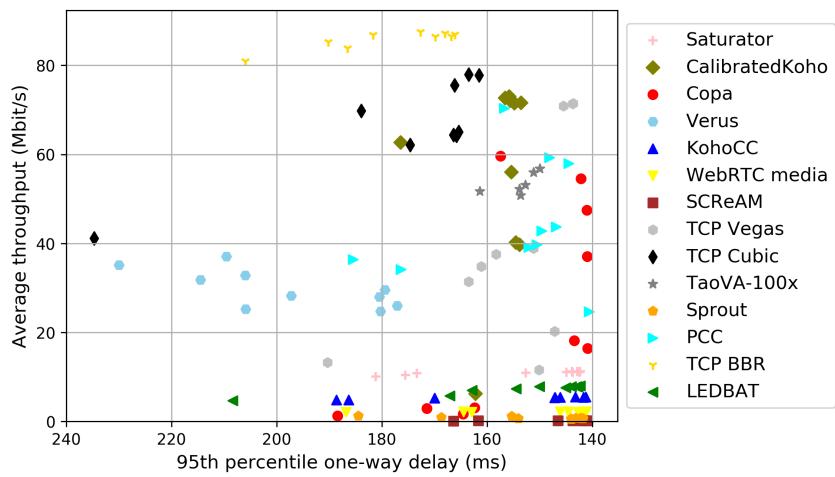
NTP offset measured against ntp.nict.jp and has been applied to correct the timestamps in logs.

```
git branch: master @ 266b116f0817a07d000b4d181ce187fd27d3e654
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ 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 China Ethernet to AWS Korea Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from China Ethernet to AWS Korea Ethernet, 10 runs of 30s each per scheme

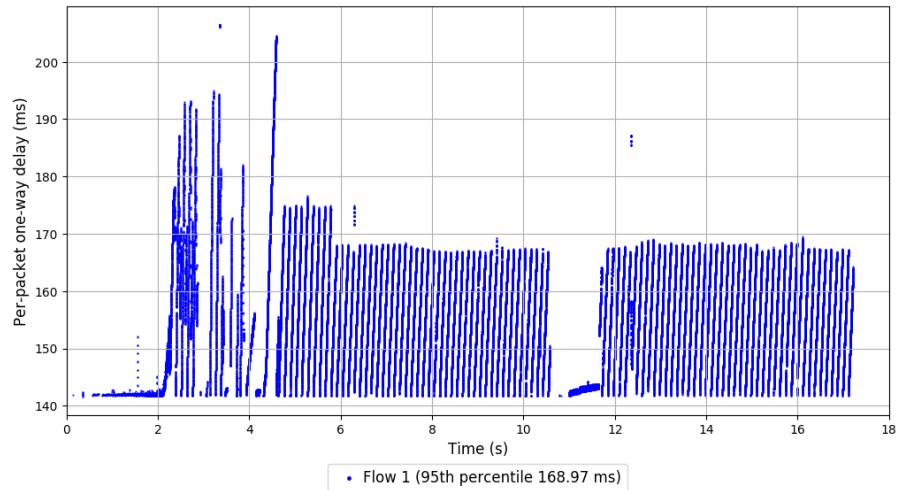
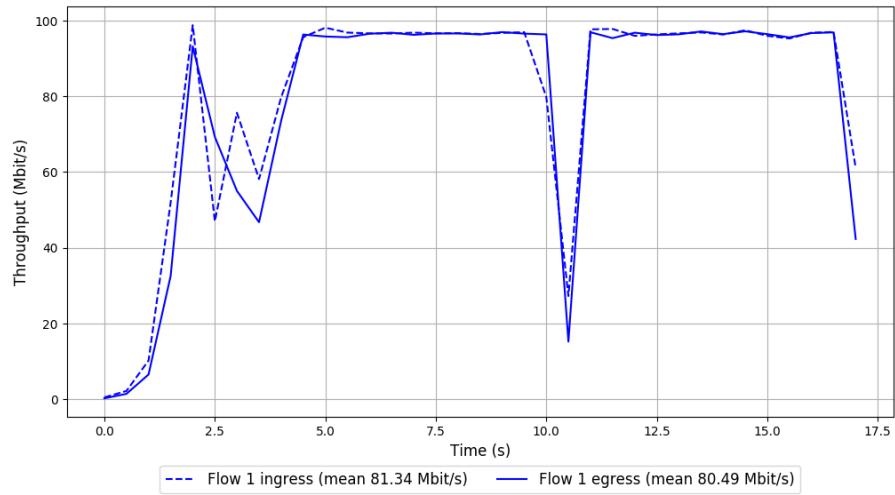


scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	85.73	178.63	1.08
CalibratedKoho	10	56.61	157.89	0.77
Copa	10	24.24	155.27	1.09
TCP Cubic	10	66.44	175.78	0.96
KohoCC	10	5.30	156.81	0.75
LEDBAT	10	7.16	156.00	1.45
PCC	10	44.82	155.08	1.22
QUIC Cubic	10	nan	nan	nan
Saturator	10	10.94	154.27	0.73
SCReAM	10	0.21	146.69	0.69
Sprout	10	0.81	151.96	0.85
TaoVA-100x	10	53.45	153.78	1.21
TCP Vegas	10	40.15	155.45	0.83
Verus	10	29.86	198.02	26.60
WebRTC media	10	2.13	151.31	0.66

Run 1: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 23:21:48 +0000
End at: Mon, 24 Jul 2017 23:22:18 +0000
Local clock offset: 1.202 ms
Remote clock offset: 7.79 ms

Run 1: Report of TCP BBR — Data Link

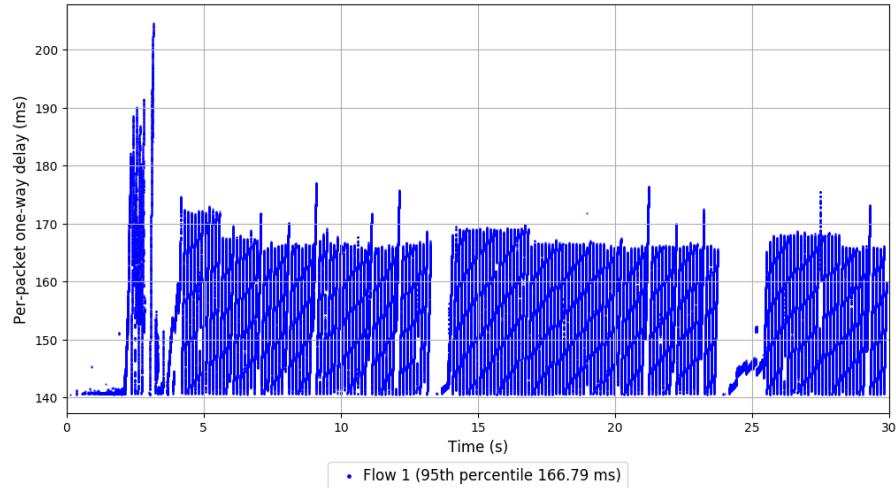
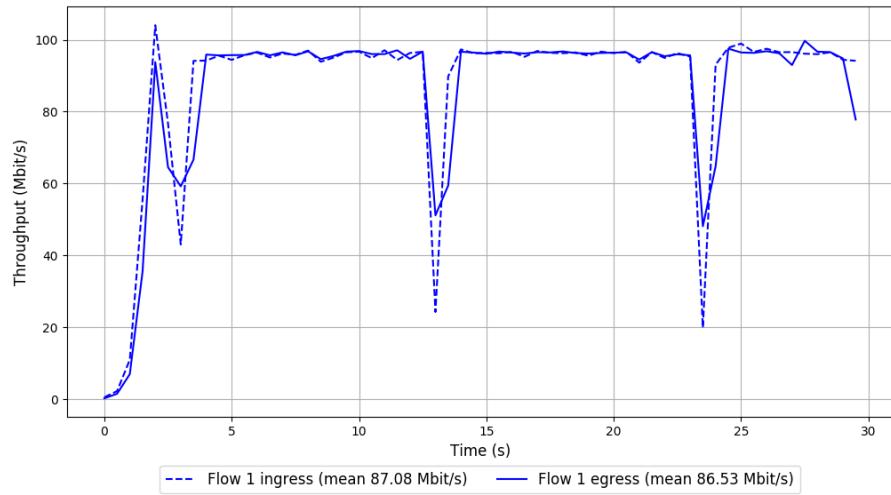


Run 2: Statistics of TCP BBR

```
Start at: Mon, 24 Jul 2017 23:41:00 +0000
End at: Mon, 24 Jul 2017 23:41:30 +0000
Local clock offset: 0.04 ms
Remote clock offset: 6.263 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:42:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 166.791 ms
Loss rate: 1.39%
-- Flow 1:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 166.791 ms
Loss rate: 1.39%
```

Run 2: Report of TCP BBR — Data Link

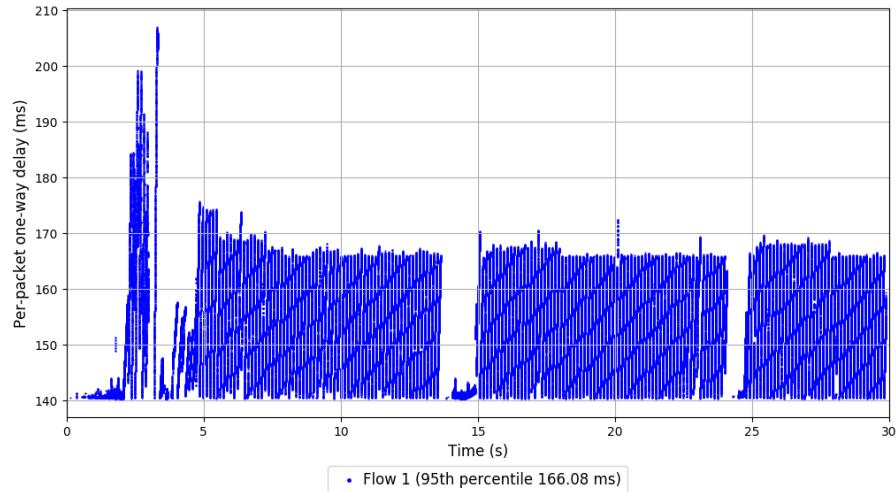
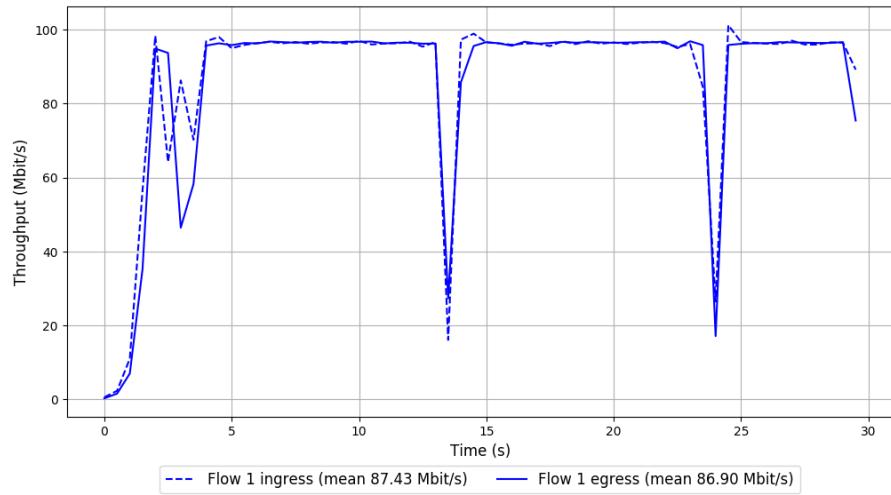


Run 3: Statistics of TCP BBR

```
Start at: Tue, 25 Jul 2017 00:00:20 +0000
End at: Tue, 25 Jul 2017 00:00:50 +0000
Local clock offset: 0.187 ms
Remote clock offset: 4.866 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:42:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 166.082 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 166.082 ms
Loss rate: 1.32%
```

Run 3: Report of TCP BBR — Data Link

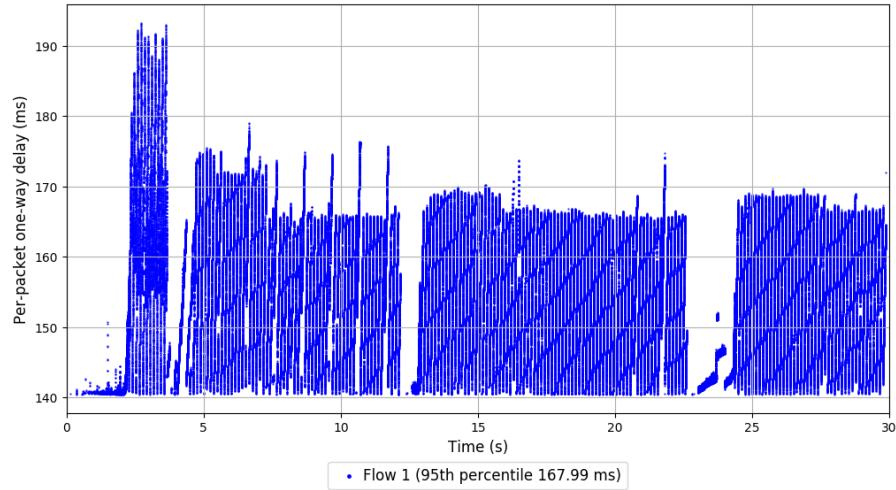
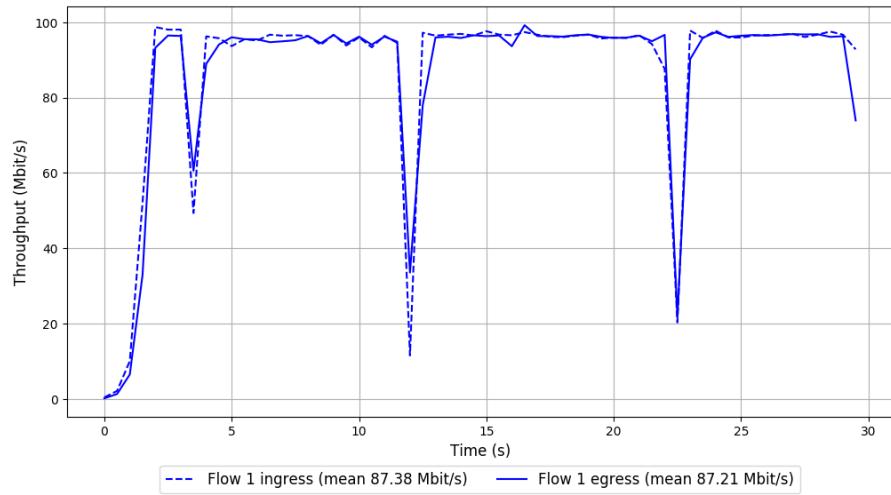


Run 4: Statistics of TCP BBR

```
Start at: Tue, 25 Jul 2017 00:19:29 +0000
End at: Tue, 25 Jul 2017 00:19:59 +0000
Local clock offset: 0.154 ms
Remote clock offset: 0.136 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:42:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.21 Mbit/s
95th percentile per-packet one-way delay: 167.988 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 87.21 Mbit/s
95th percentile per-packet one-way delay: 167.988 ms
Loss rate: 0.92%
```

Run 4: Report of TCP BBR — Data Link

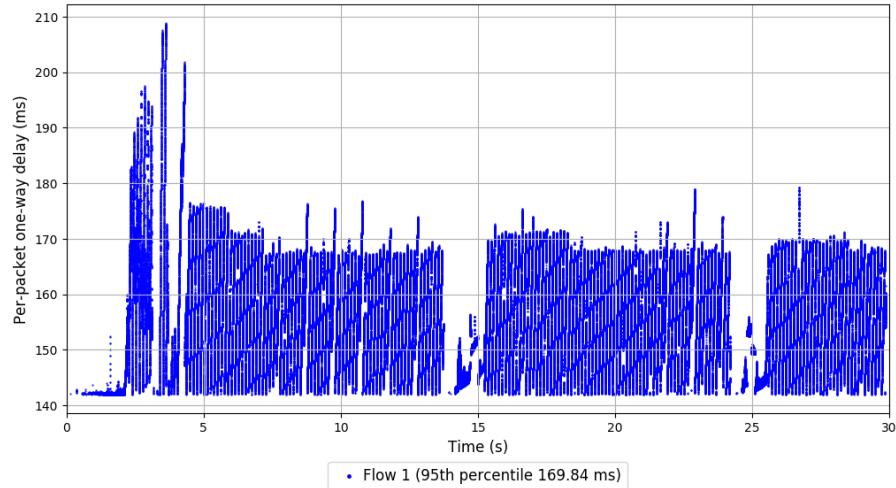
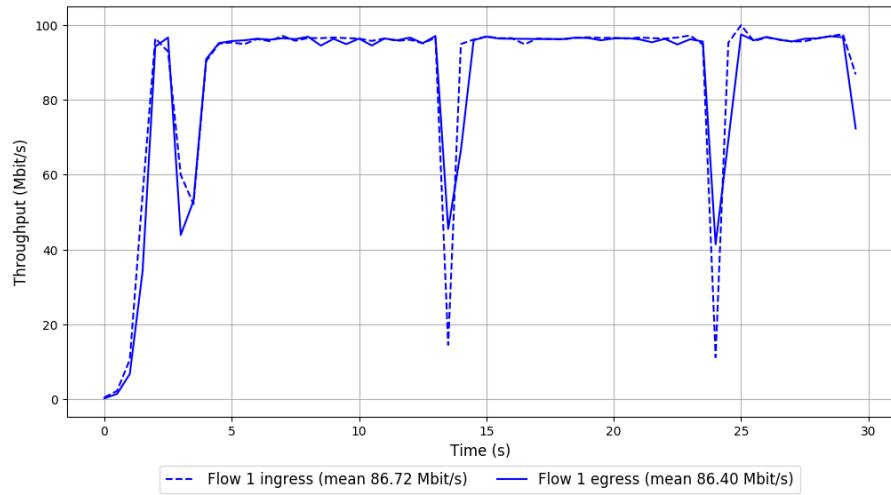


Run 5: Statistics of TCP BBR

```
Start at: Tue, 25 Jul 2017 00:38:39 +0000
End at: Tue, 25 Jul 2017 00:39:09 +0000
Local clock offset: 1.562 ms
Remote clock offset: 0.759 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:42:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 169.837 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 86.40 Mbit/s
95th percentile per-packet one-way delay: 169.837 ms
Loss rate: 1.04%
```

Run 5: Report of TCP BBR — Data Link

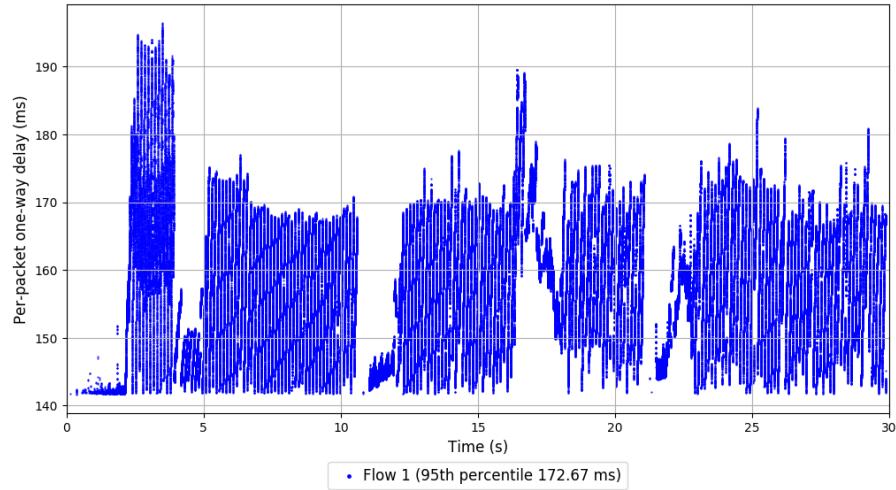
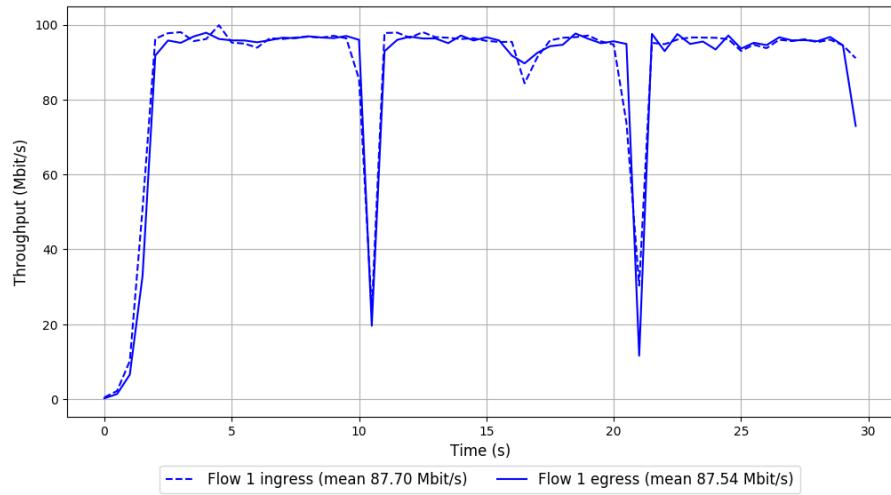


Run 6: Statistics of TCP BBR

```
Start at: Tue, 25 Jul 2017 00:57:40 +0000
End at: Tue, 25 Jul 2017 00:58:10 +0000
Local clock offset: 1.593 ms
Remote clock offset: -0.189 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:43:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 172.668 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 87.54 Mbit/s
95th percentile per-packet one-way delay: 172.668 ms
Loss rate: 0.90%
```

Run 6: Report of TCP BBR — Data Link

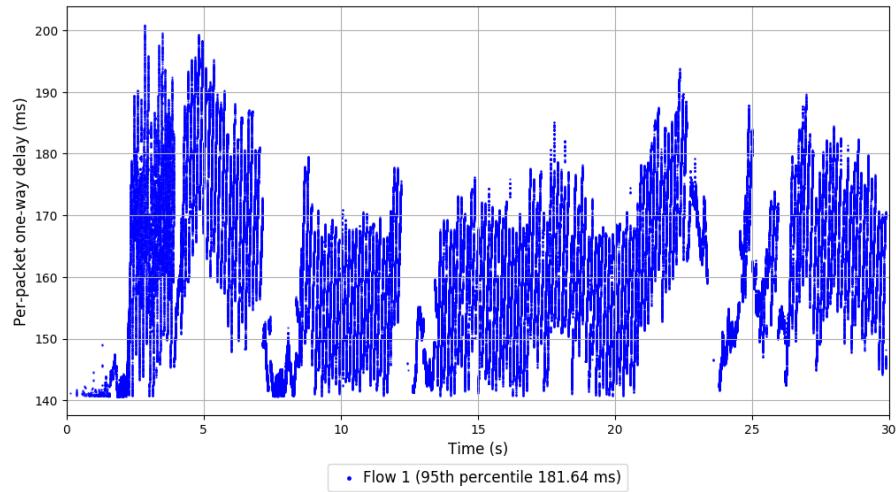
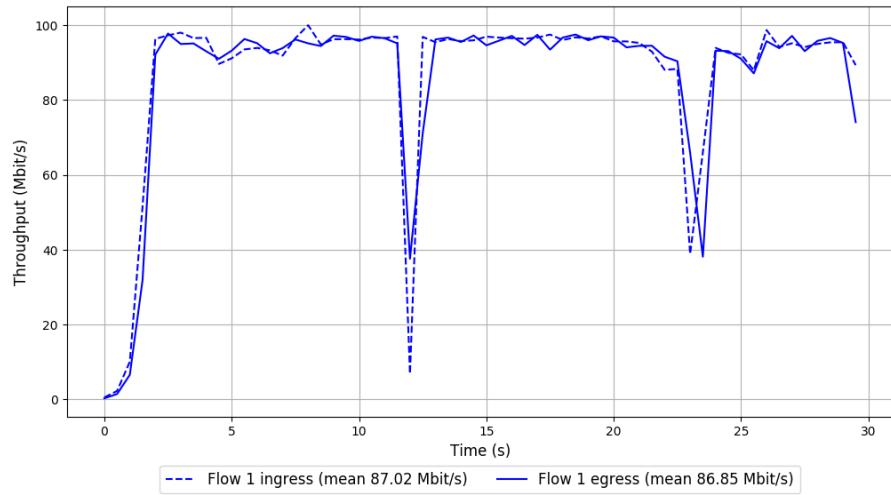


Run 7: Statistics of TCP BBR

```
Start at: Tue, 25 Jul 2017 01:16:44 +0000
End at: Tue, 25 Jul 2017 01:17:14 +0000
Local clock offset: 0.516 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:43:10 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.85 Mbit/s
95th percentile per-packet one-way delay: 181.638 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 86.85 Mbit/s
95th percentile per-packet one-way delay: 181.638 ms
Loss rate: 0.89%
```

Run 7: Report of TCP BBR — Data Link

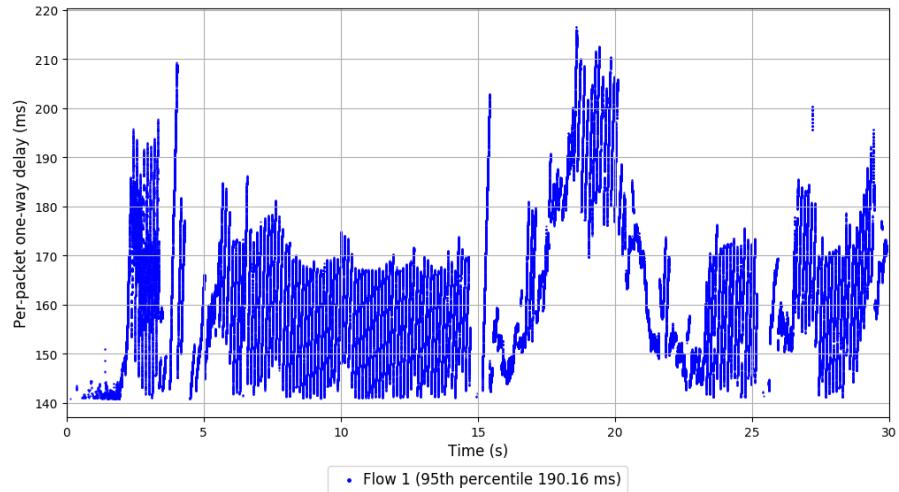
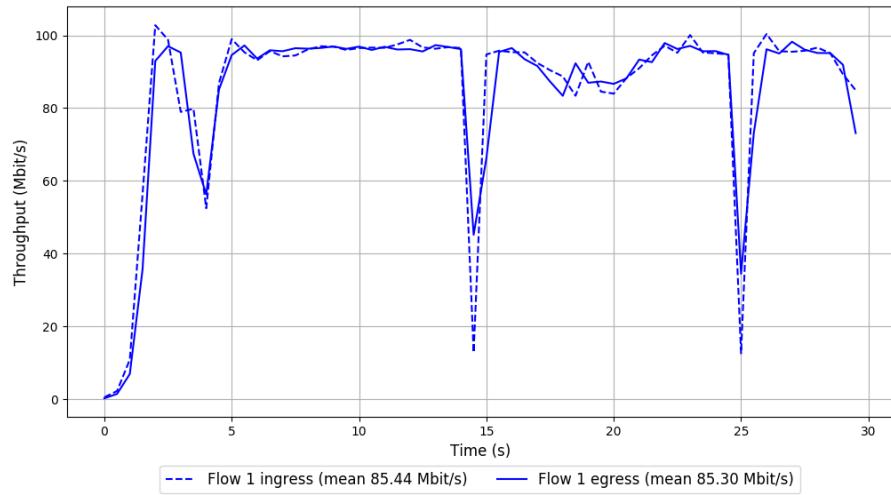


Run 8: Statistics of TCP BBR

```
Start at: Tue, 25 Jul 2017 01:35:42 +0000
End at: Tue, 25 Jul 2017 01:36:12 +0000
Local clock offset: 0.581 ms
Remote clock offset: -4.742 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:43:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: 190.155 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 85.30 Mbit/s
95th percentile per-packet one-way delay: 190.155 ms
Loss rate: 0.86%
```

Run 8: Report of TCP BBR — Data Link

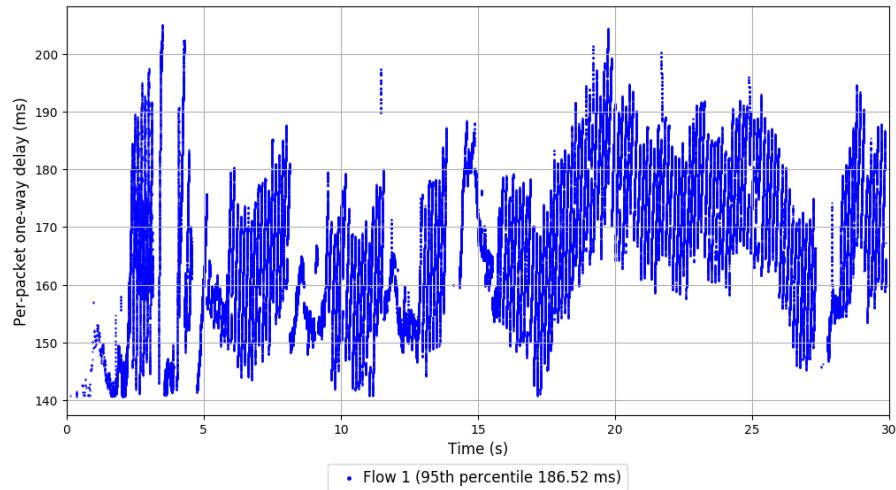
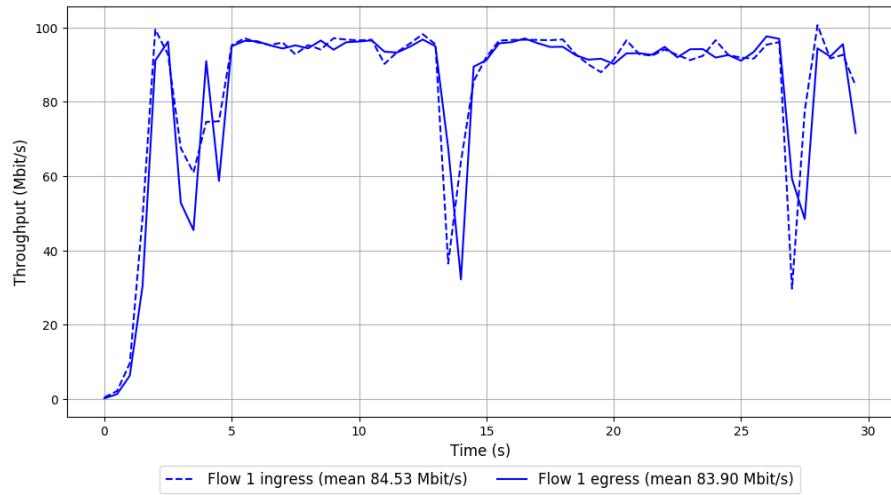


Run 9: Statistics of TCP BBR

```
Start at: Tue, 25 Jul 2017 01:54:48 +0000
End at: Tue, 25 Jul 2017 01:55:18 +0000
Local clock offset: 0.461 ms
Remote clock offset: -0.306 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:43:21 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 186.523 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 186.523 ms
Loss rate: 1.45%
```

Run 9: Report of TCP BBR — Data Link

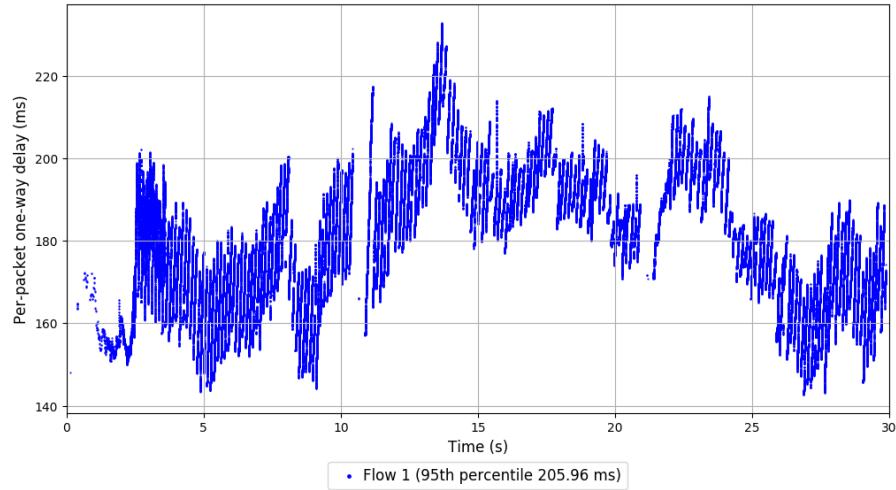
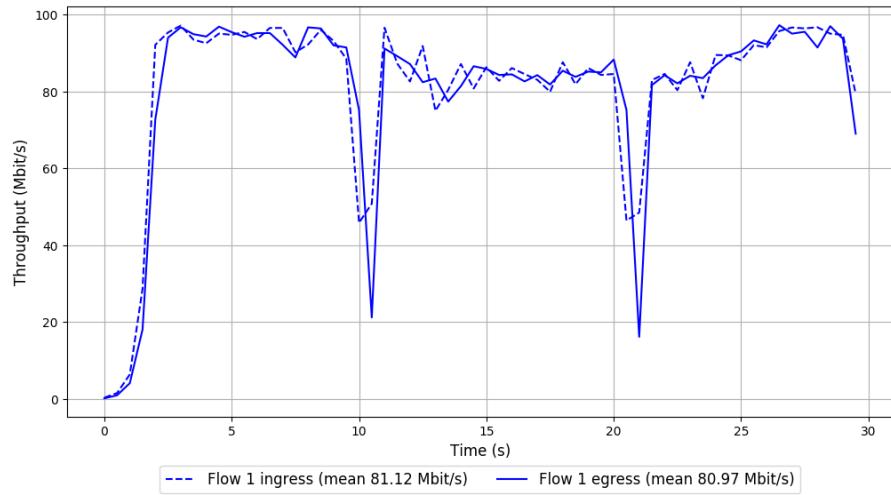


Run 10: Statistics of TCP BBR

```
Start at: Tue, 25 Jul 2017 02:13:51 +0000
End at: Tue, 25 Jul 2017 02:14:21 +0000
Local clock offset: 1.747 ms
Remote clock offset: 0.066 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:43:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.97 Mbit/s
95th percentile per-packet one-way delay: 205.962 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 80.97 Mbit/s
95th percentile per-packet one-way delay: 205.962 ms
Loss rate: 0.92%
```

Run 10: Report of TCP BBR — Data Link



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

```
Start at: Mon, 24 Jul 2017 23:20:27 +0000
```

```
End at: Mon, 24 Jul 2017 23:20:57 +0000
```

```
Local clock offset: 1.271 ms
```

```
Remote clock offset: 7.735 ms
```

```
# Below is generated by plot.py at Tue, 25 Jul 2017 02:43:32 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 73.07 Mbit/s
```

```
95th percentile per-packet one-way delay: 155.839 ms
```

```
Loss rate: 1.04%
```

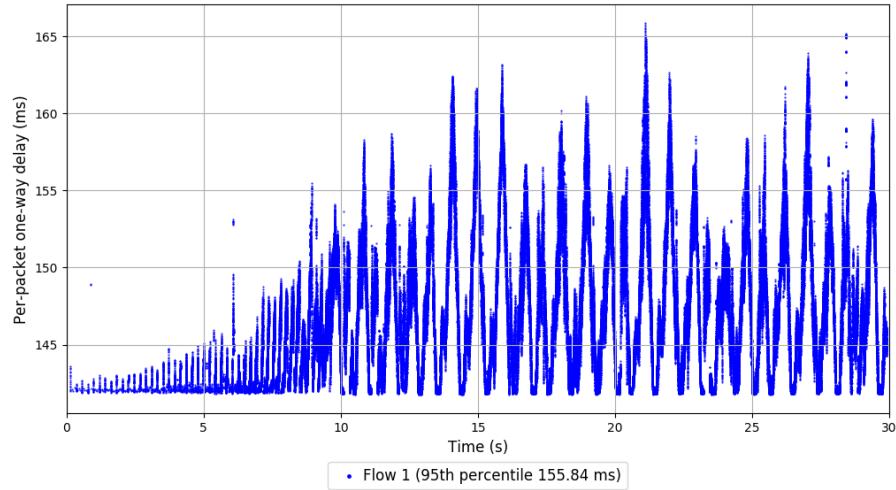
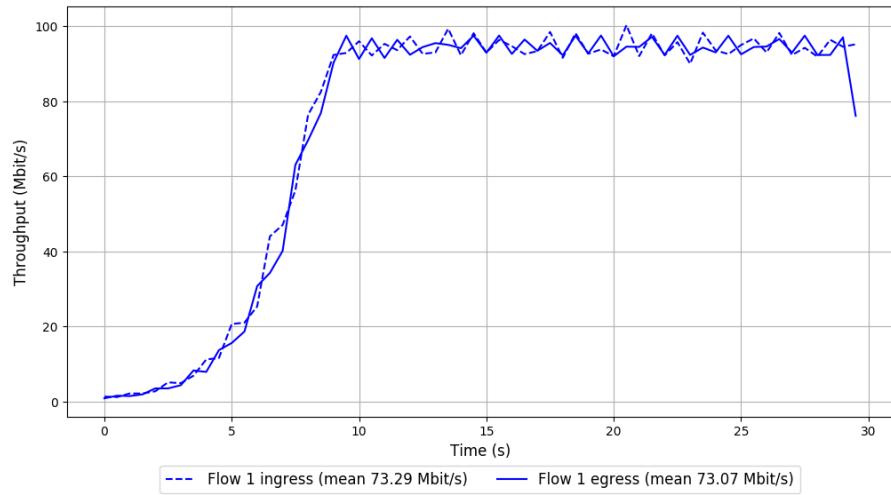
```
-- Flow 1:
```

```
Average throughput: 73.07 Mbit/s
```

```
95th percentile per-packet one-way delay: 155.839 ms
```

```
Loss rate: 1.04%
```

Run 1: Report of CalibratedKoho — Data Link

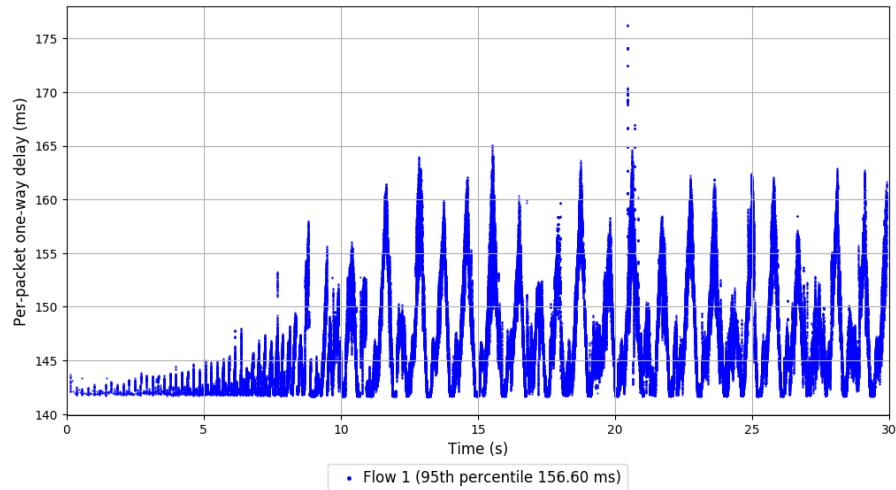
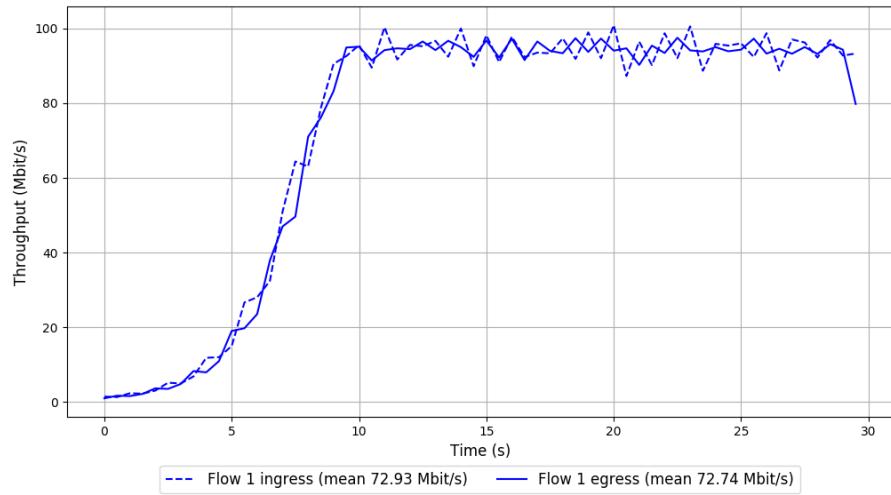


```
Run 2: Statistics of CalibratedKoho
```

```
Start at: Mon, 24 Jul 2017 23:39:39 +0000
End at: Mon, 24 Jul 2017 23:40:09 +0000
Local clock offset: 1.361 ms
Remote clock offset: 6.364 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:43:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.74 Mbit/s
95th percentile per-packet one-way delay: 156.600 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 72.74 Mbit/s
95th percentile per-packet one-way delay: 156.600 ms
Loss rate: 0.95%
```

Run 2: Report of CalibratedKoho — Data Link

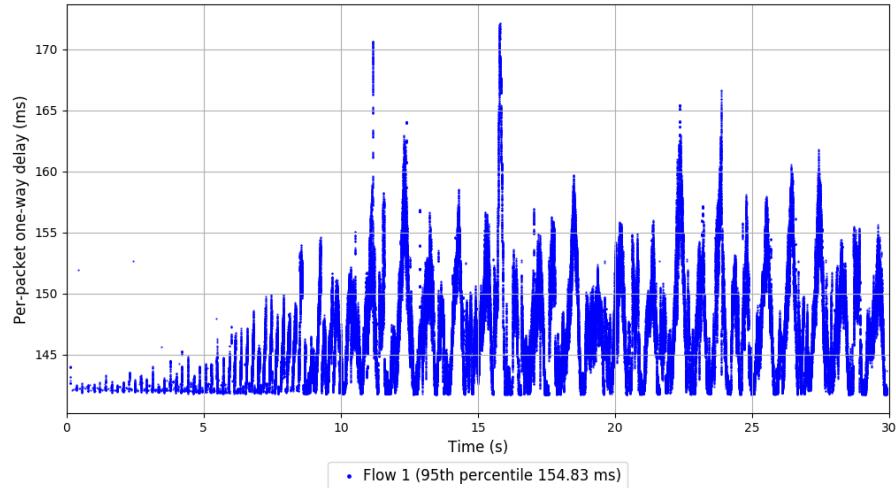
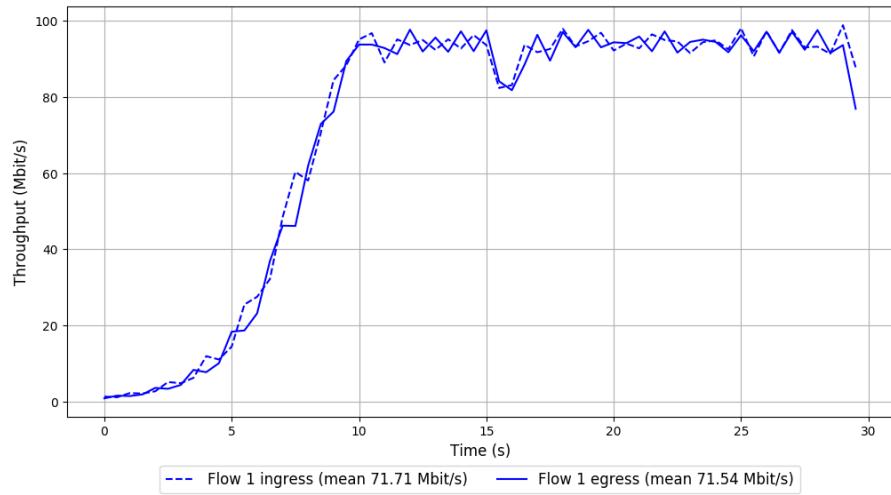


```
Run 3: Statistics of CalibratedKoho
```

```
Start at: Mon, 24 Jul 2017 23:59:00 +0000
End at: Mon, 24 Jul 2017 23:59:30 +0000
Local clock offset: 1.369 ms
Remote clock offset: 4.971 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:43:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.54 Mbit/s
95th percentile per-packet one-way delay: 154.830 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 71.54 Mbit/s
95th percentile per-packet one-way delay: 154.830 ms
Loss rate: 0.94%
```

Run 3: Report of CalibratedKoho — Data Link

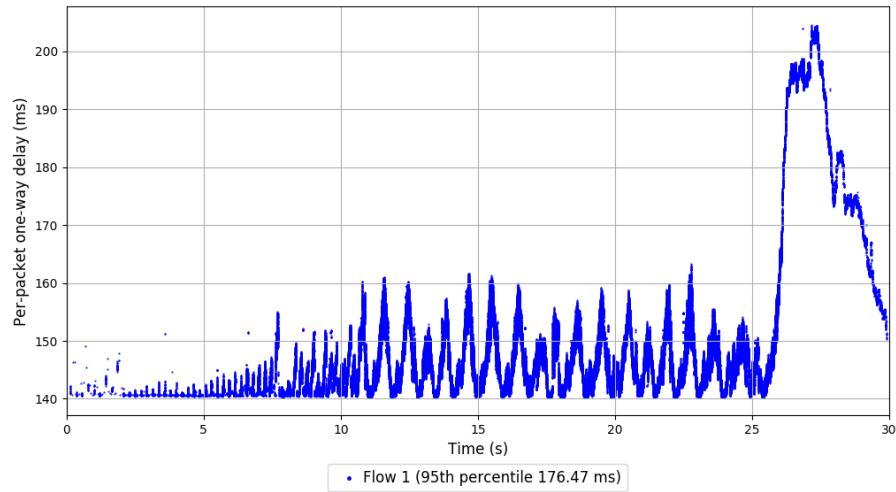
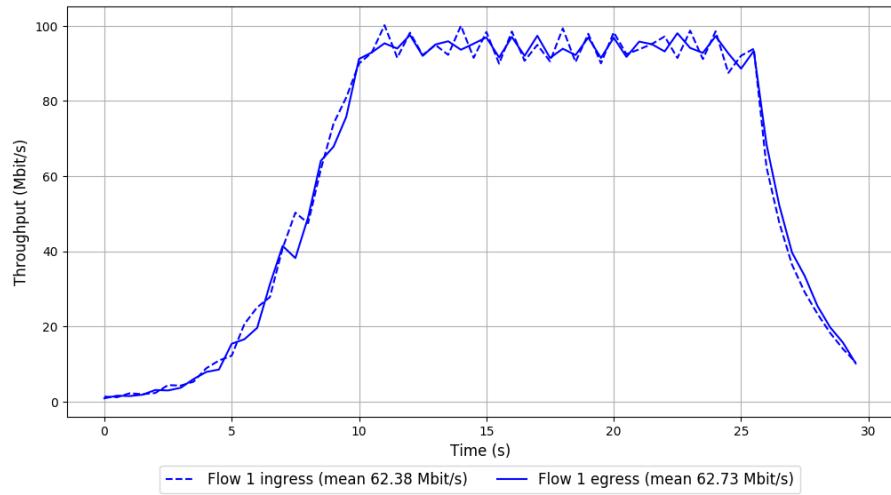


```
Run 4: Statistics of CalibratedKoho
```

```
Start at: Tue, 25 Jul 2017 00:18:09 +0000
End at: Tue, 25 Jul 2017 00:18:39 +0000
Local clock offset: 0.175 ms
Remote clock offset: 0.225 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:43:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.73 Mbit/s
95th percentile per-packet one-way delay: 176.468 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 62.73 Mbit/s
95th percentile per-packet one-way delay: 176.468 ms
Loss rate: 0.12%
```

Run 4: Report of CalibratedKoho — Data Link

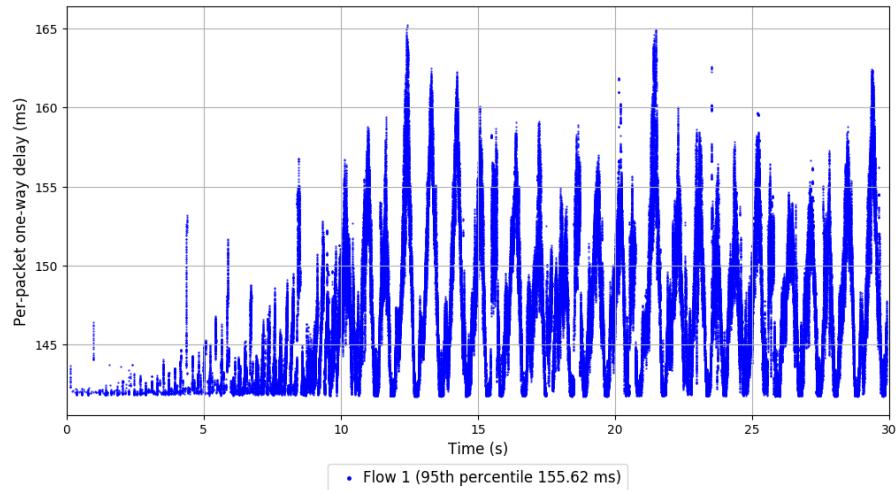
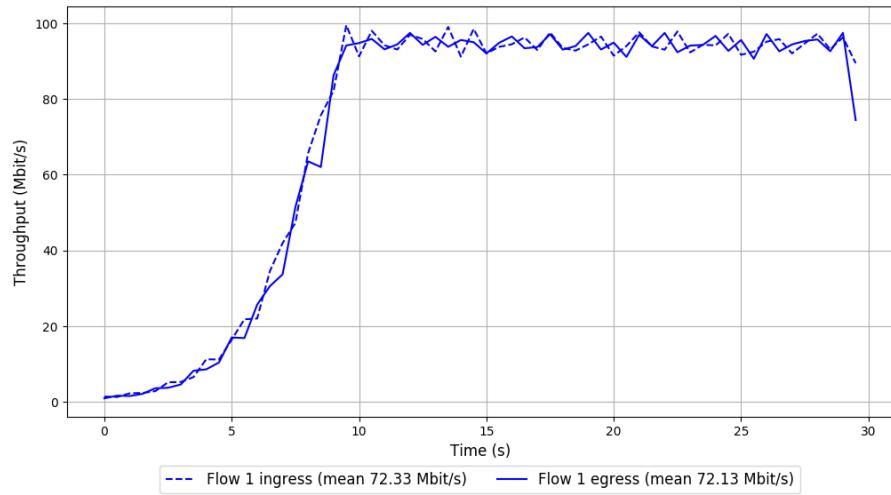


```
Run 5: Statistics of CalibratedKoho
```

```
Start at: Tue, 25 Jul 2017 00:37:19 +0000
End at: Tue, 25 Jul 2017 00:37:49 +0000
Local clock offset: 1.637 ms
Remote clock offset: 0.867 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:43:51 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 155.615 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 72.13 Mbit/s
95th percentile per-packet one-way delay: 155.615 ms
Loss rate: 0.98%
```

Run 5: Report of CalibratedKoho — Data Link

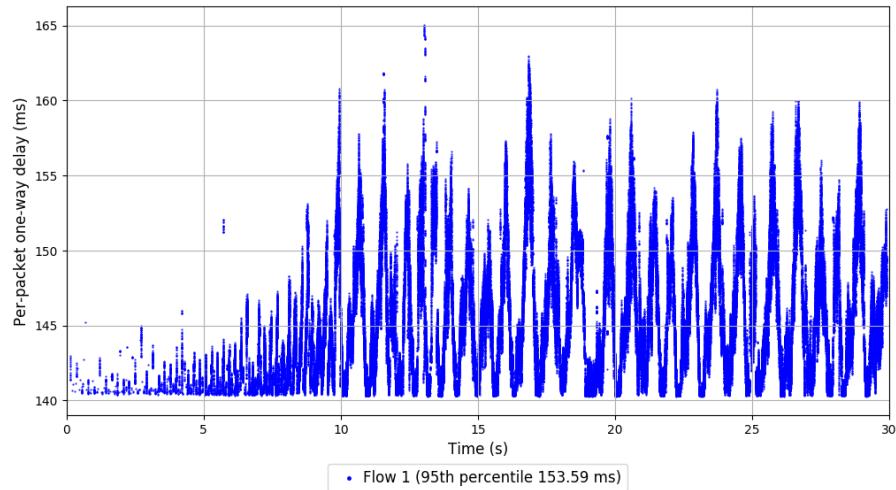
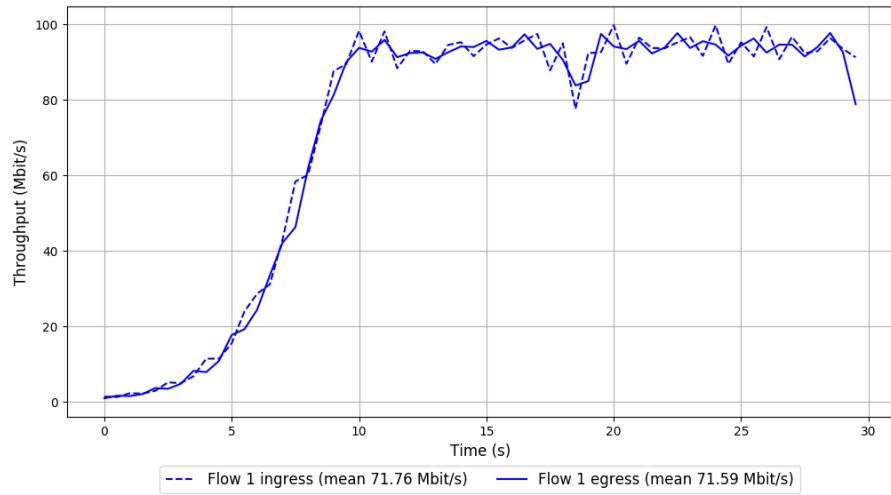


```
Run 6: Statistics of CalibratedKoho
```

```
Start at: Tue, 25 Jul 2017 00:56:20 +0000
End at: Tue, 25 Jul 2017 00:56:50 +0000
Local clock offset: 0.381 ms
Remote clock offset: -0.368 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:43:55 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.59 Mbit/s
95th percentile per-packet one-way delay: 153.593 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 71.59 Mbit/s
95th percentile per-packet one-way delay: 153.593 ms
Loss rate: 0.94%
```

Run 6: Report of CalibratedKoho — Data Link

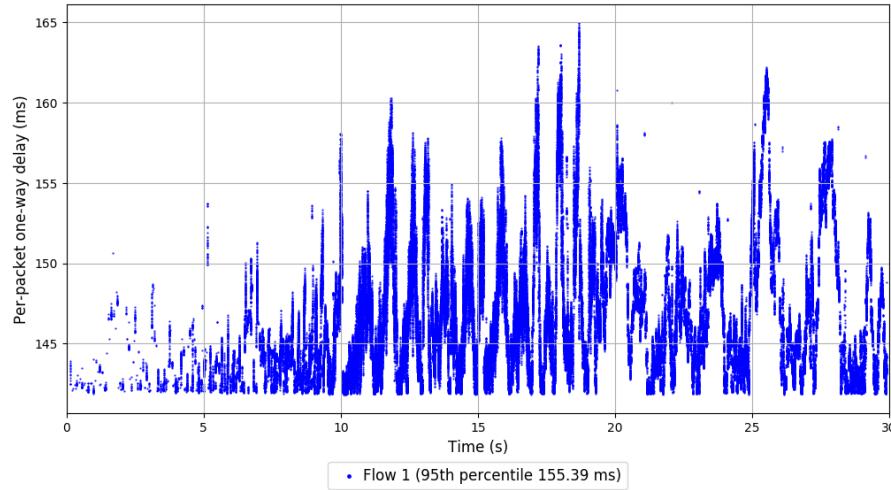
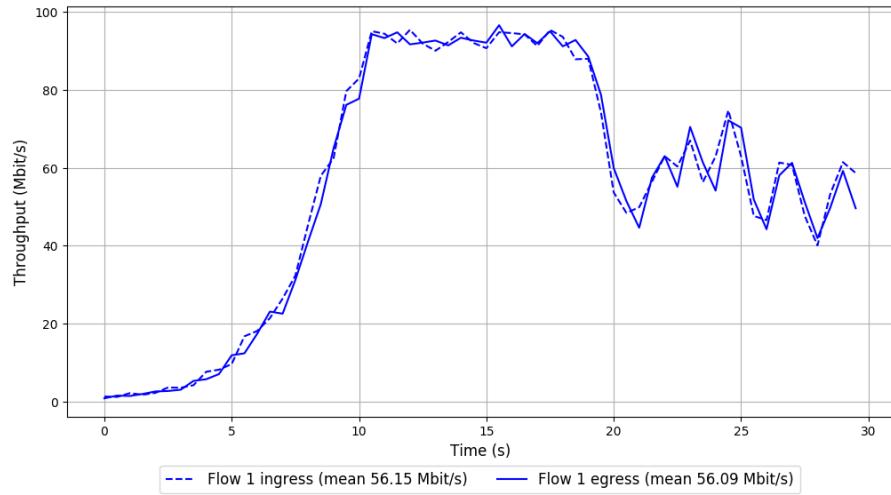


Run 7: Statistics of CalibratedKoho

```
Start at: Tue, 25 Jul 2017 01:15:25 +0000
End at: Tue, 25 Jul 2017 01:15:55 +0000
Local clock offset: 1.744 ms
Remote clock offset: -0.252 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:43:59 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 155.388 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 56.09 Mbit/s
95th percentile per-packet one-way delay: 155.388 ms
Loss rate: 0.80%
```

Run 7: Report of CalibratedKoho — Data Link

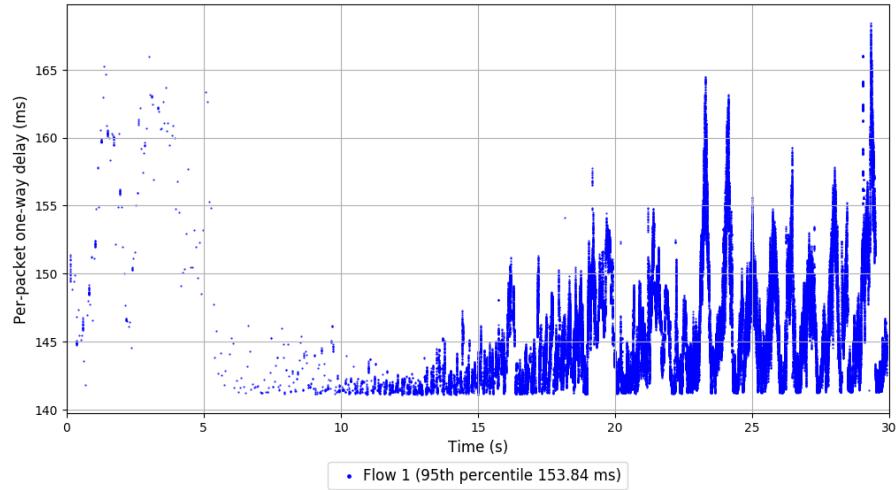
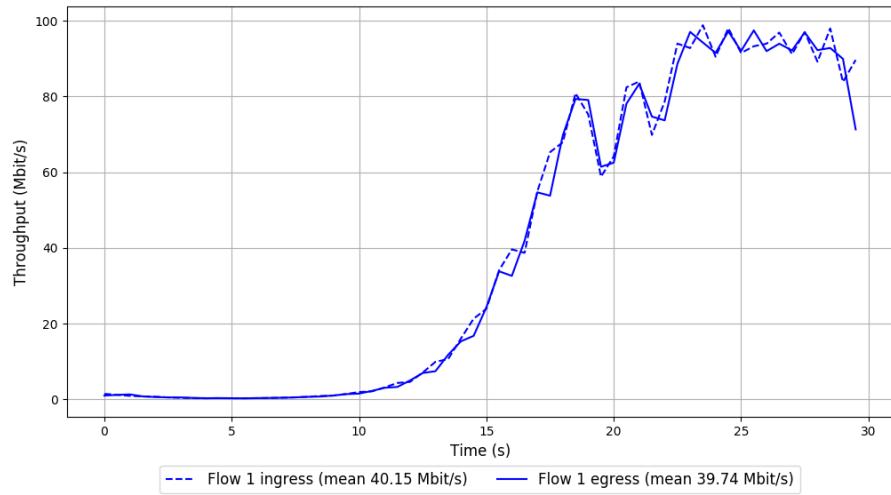


Run 8: Statistics of CalibratedKoho

```
Start at: Tue, 25 Jul 2017 01:34:25 +0000
End at: Tue, 25 Jul 2017 01:34:55 +0000
Local clock offset: 0.58 ms
Remote clock offset: -5.748 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 153.845 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 39.74 Mbit/s
95th percentile per-packet one-way delay: 153.845 ms
Loss rate: 1.77%
```

Run 8: Report of CalibratedKoho — Data Link

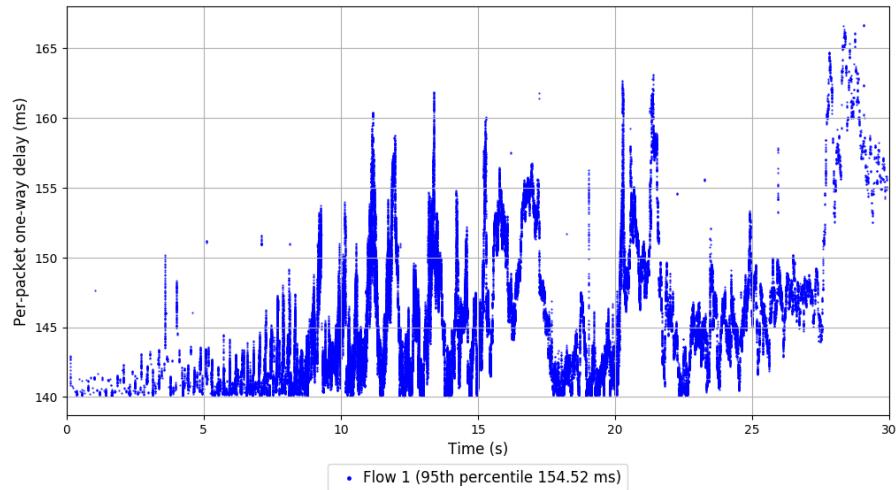
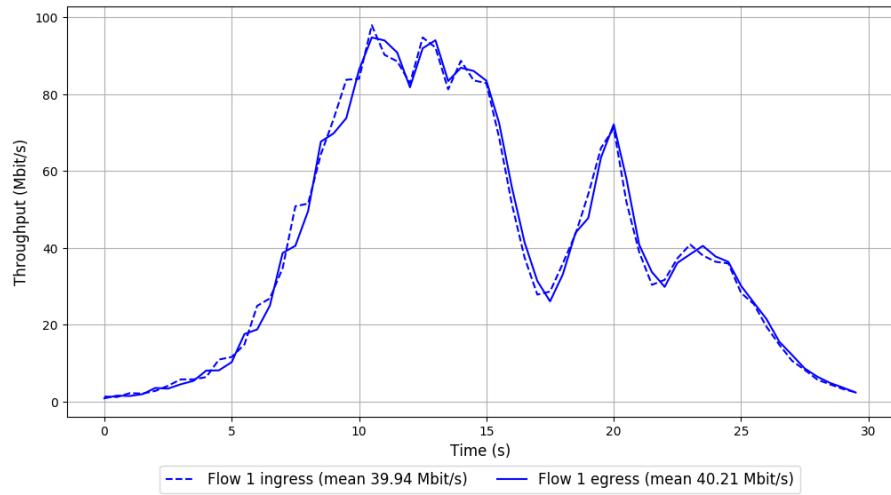


```
Run 9: Statistics of CalibratedKoho
```

```
Start at: Tue, 25 Jul 2017 01:53:30 +0000
End at: Tue, 25 Jul 2017 01:54:00 +0000
Local clock offset: -0.074 ms
Remote clock offset: -0.322 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 154.520 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 154.520 ms
Loss rate: 0.04%
```

Run 9: Report of CalibratedKoho — Data Link

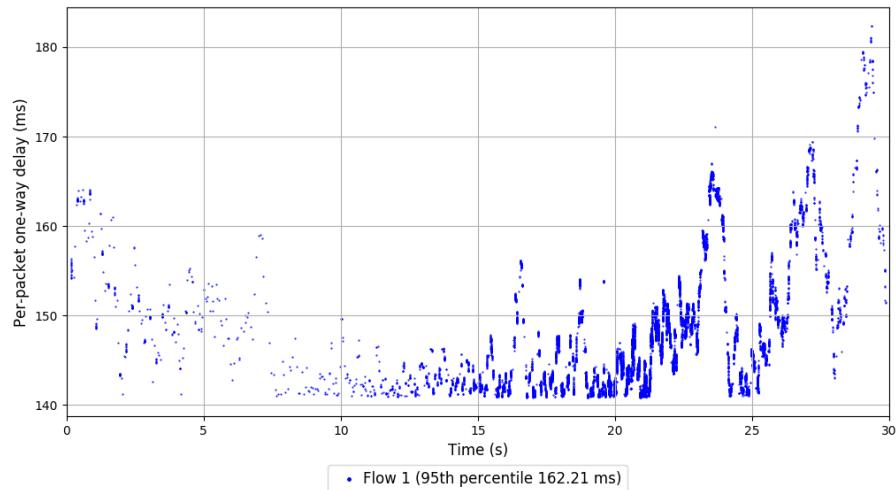
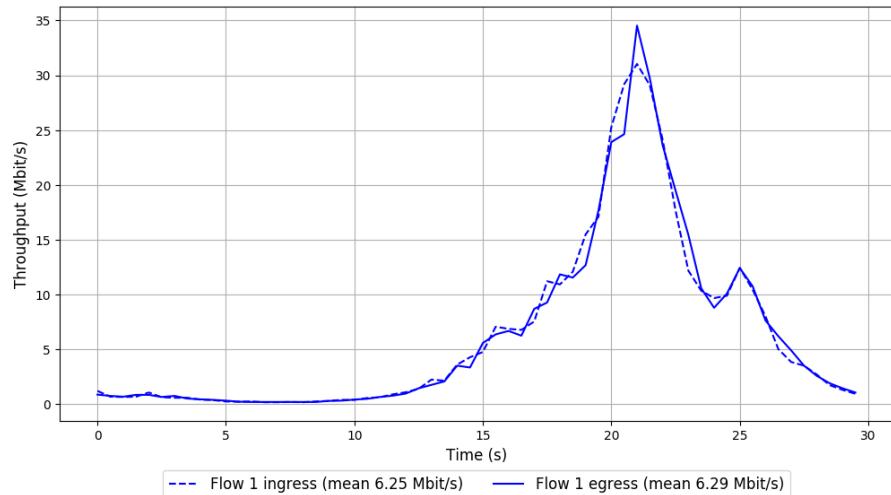


```
Run 10: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 02:12:35 +0000
End at: Tue, 25 Jul 2017 02:13:05 +0000
Local clock offset: 0.517 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.29 Mbit/s
95th percentile per-packet one-way delay: 162.210 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 6.29 Mbit/s
95th percentile per-packet one-way delay: 162.210 ms
Loss rate: 0.12%
```

Run 10: Report of CalibratedKoho — Data Link

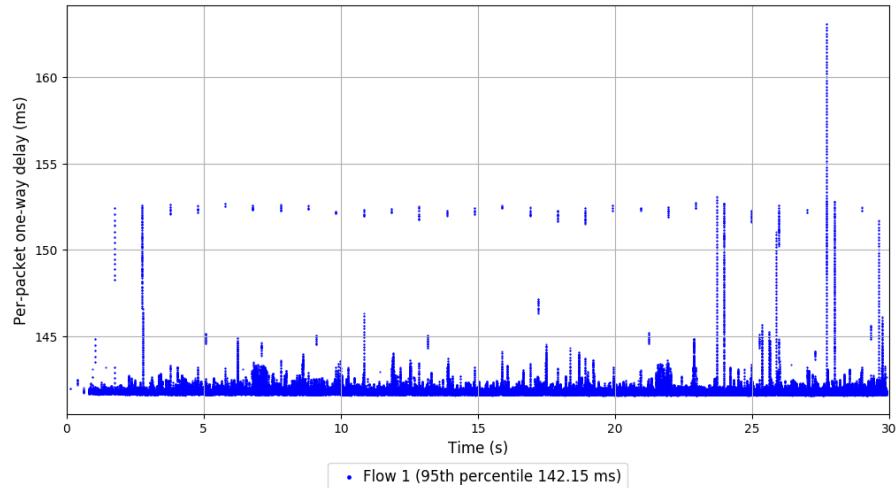
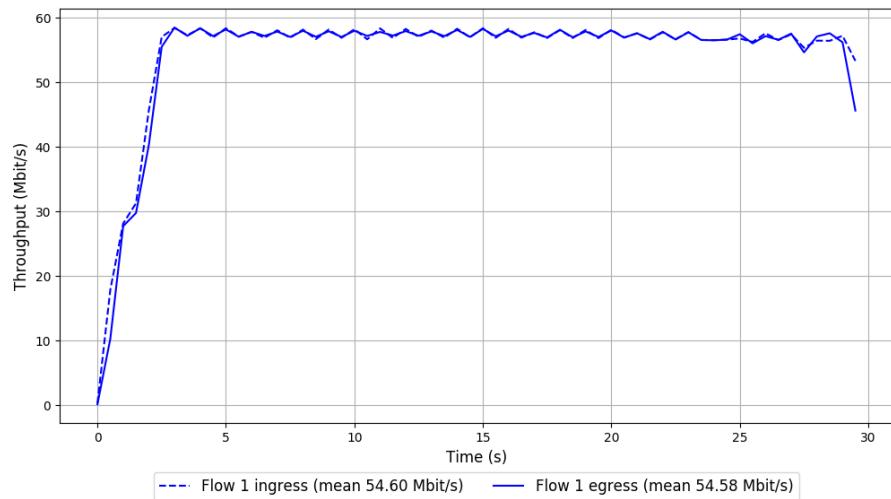


Run 1: Statistics of Copa

```
Start at: Mon, 24 Jul 2017 23:29:28 +0000
End at: Mon, 24 Jul 2017 23:29:58 +0000
Local clock offset: 1.331 ms
Remote clock offset: 7.146 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:17 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 142.149 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 54.58 Mbit/s
95th percentile per-packet one-way delay: 142.149 ms
Loss rate: 0.73%
```

Run 1: Report of Copa — Data Link

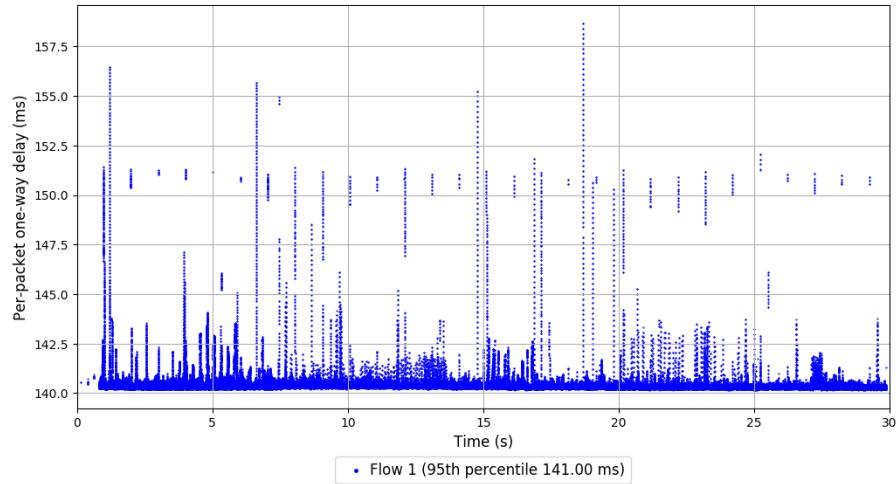
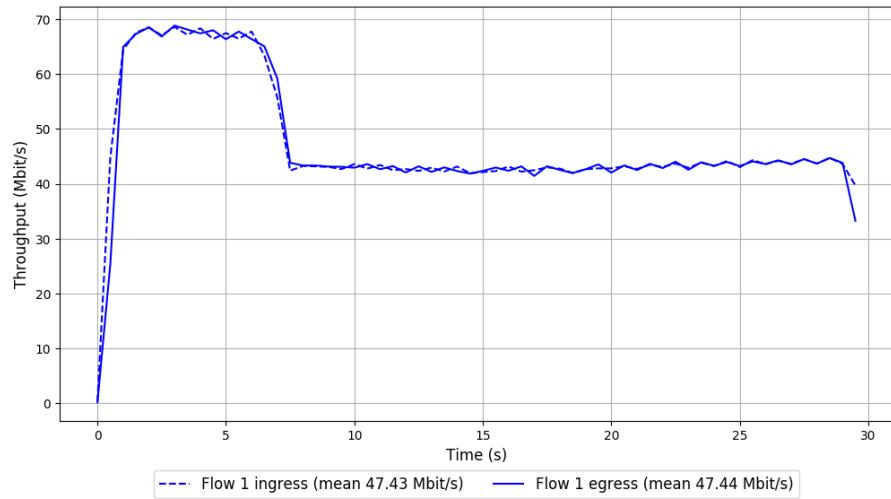


Run 2: Statistics of Copa

```
Start at: Mon, 24 Jul 2017 23:48:51 +0000
End at: Mon, 24 Jul 2017 23:49:21 +0000
Local clock offset: 0.081 ms
Remote clock offset: 5.635 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:18 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.44 Mbit/s
95th percentile per-packet one-way delay: 140.998 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 47.44 Mbit/s
95th percentile per-packet one-way delay: 140.998 ms
Loss rate: 0.66%
```

Run 2: Report of Copa — Data Link

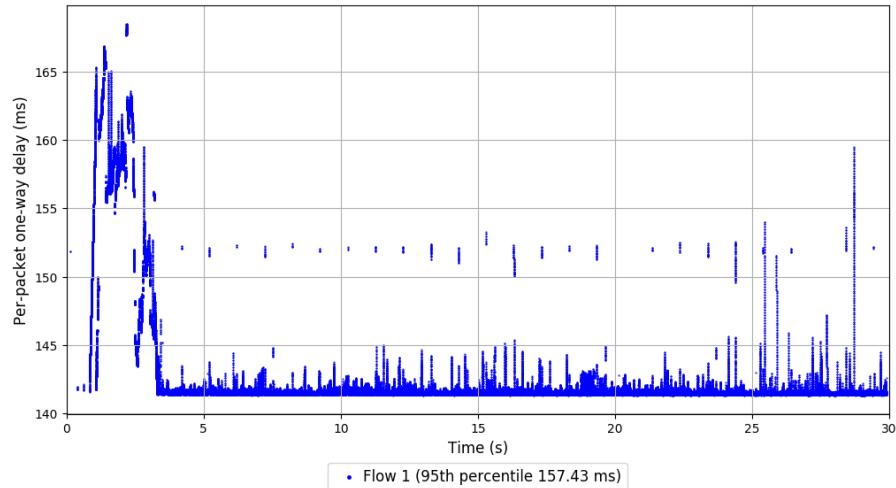
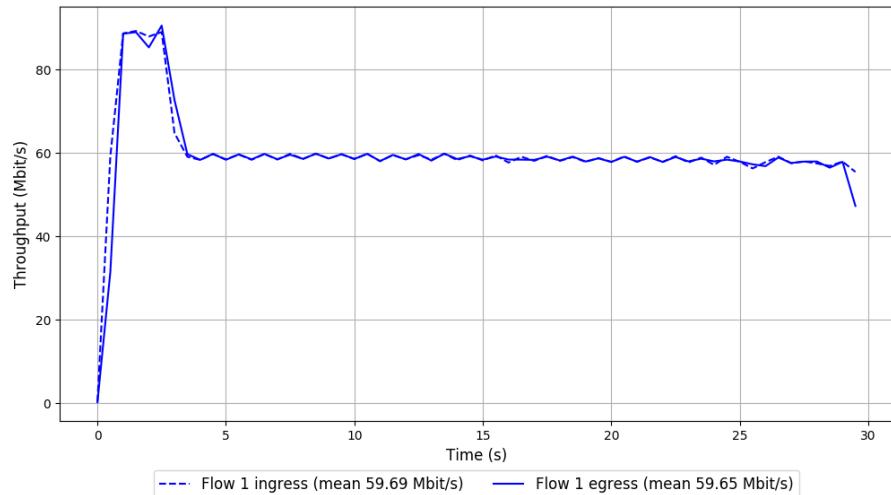


Run 3: Statistics of Copa

```
Start at: Tue, 25 Jul 2017 00:08:01 +0000
End at: Tue, 25 Jul 2017 00:08:31 +0000
Local clock offset: 1.411 ms
Remote clock offset: 1.189 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 157.431 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 59.65 Mbit/s
95th percentile per-packet one-way delay: 157.431 ms
Loss rate: 0.80%
```

Run 3: Report of Copa — Data Link

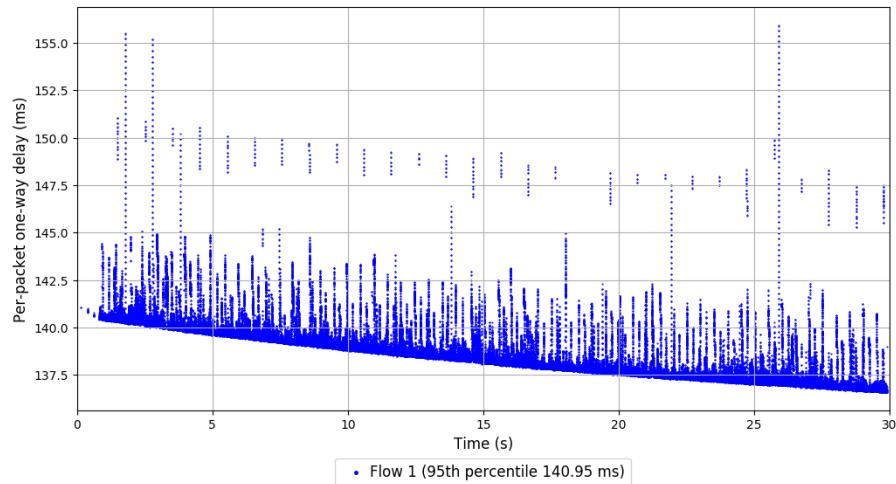
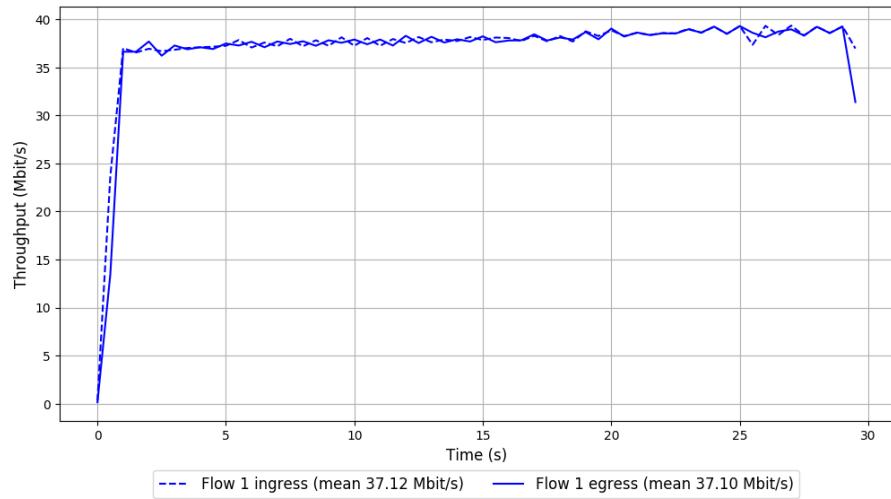


Run 4: Statistics of Copa

```
Start at: Tue, 25 Jul 2017 00:27:13 +0000
End at: Tue, 25 Jul 2017 00:27:43 +0000
Local clock offset: 1.377 ms
Remote clock offset: -9.606 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 140.951 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 140.951 ms
Loss rate: 0.74%
```

Run 4: Report of Copa — Data Link

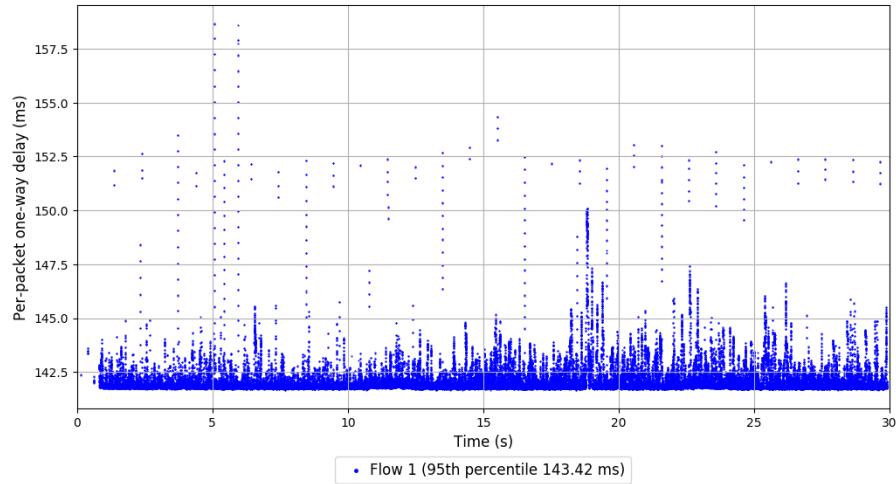
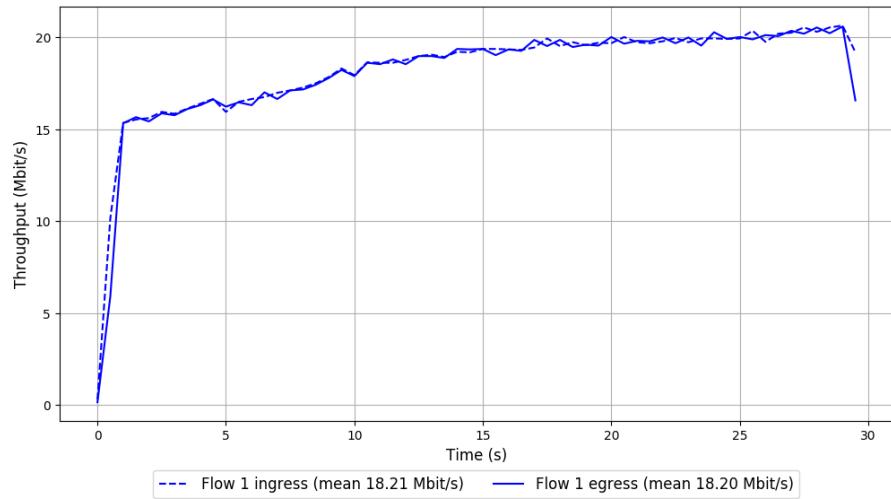


Run 5: Statistics of Copa

```
Start at: Tue, 25 Jul 2017 00:46:20 +0000
End at: Tue, 25 Jul 2017 00:46:50 +0000
Local clock offset: 1.55 ms
Remote clock offset: 0.113 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.20 Mbit/s
95th percentile per-packet one-way delay: 143.416 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 18.20 Mbit/s
95th percentile per-packet one-way delay: 143.416 ms
Loss rate: 0.78%
```

Run 5: Report of Copa — Data Link

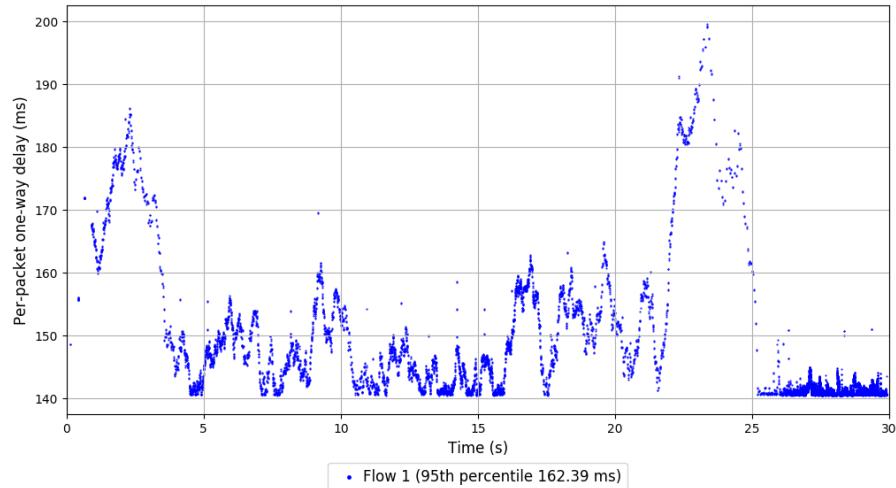
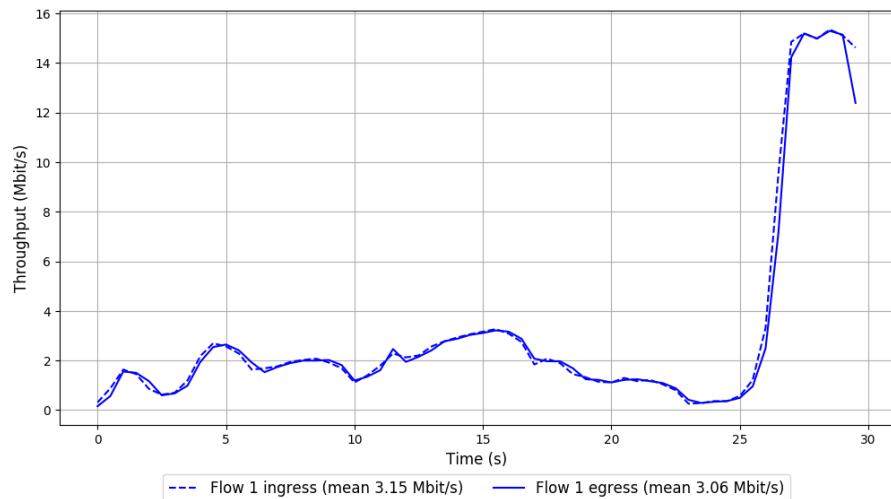


Run 6: Statistics of Copa

```
Start at: Tue, 25 Jul 2017 01:05:24 +0000
End at: Tue, 25 Jul 2017 01:05:54 +0000
Local clock offset: 0.493 ms
Remote clock offset: -0.296 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 162.390 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 3.06 Mbit/s
95th percentile per-packet one-way delay: 162.390 ms
Loss rate: 3.47%
```

Run 6: Report of Copa — Data Link

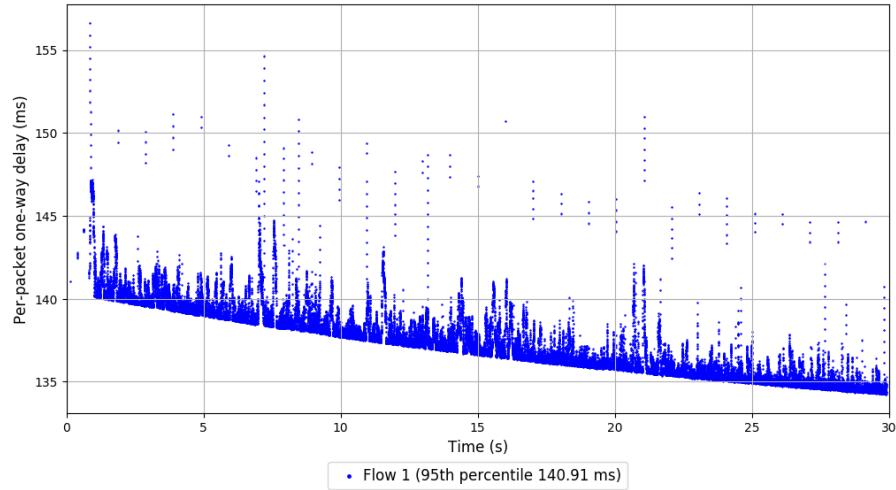
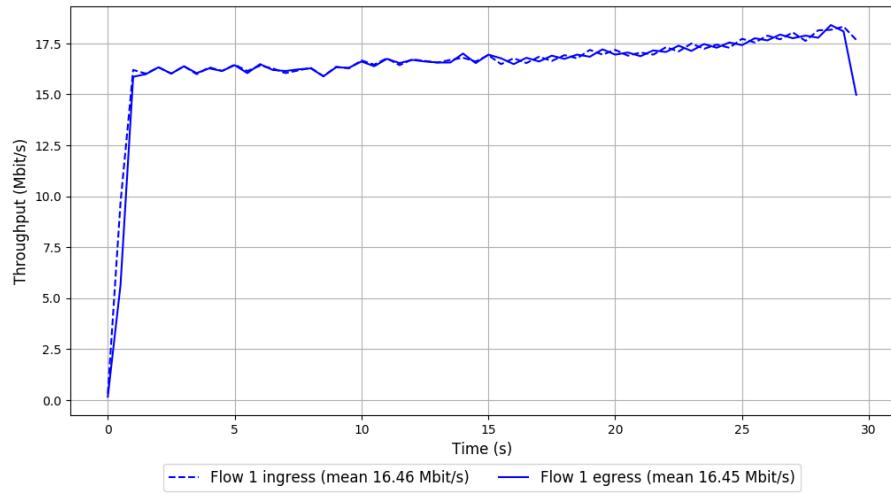


Run 7: Statistics of Copa

```
Start at: Tue, 25 Jul 2017 01:24:25 +0000
End at: Tue, 25 Jul 2017 01:24:55 +0000
Local clock offset: 1.748 ms
Remote clock offset: -7.93 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.45 Mbit/s
95th percentile per-packet one-way delay: 140.915 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 16.45 Mbit/s
95th percentile per-packet one-way delay: 140.915 ms
Loss rate: 0.77%
```

Run 7: Report of Copa — Data Link

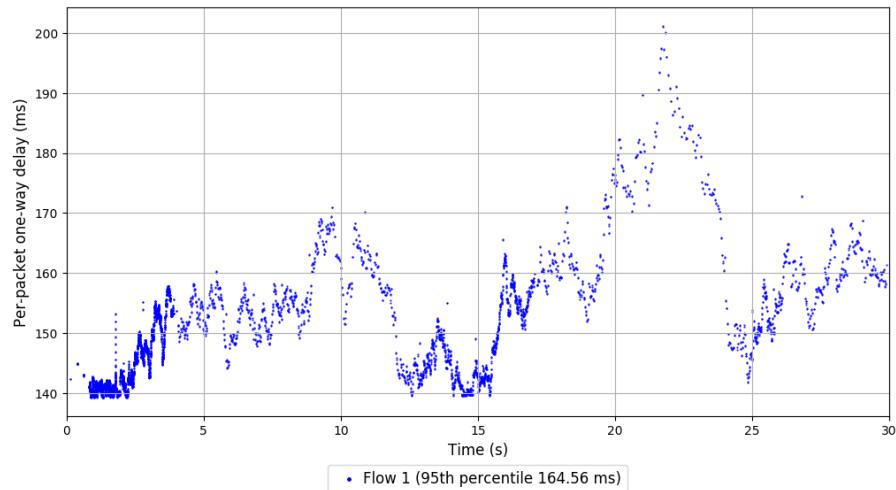
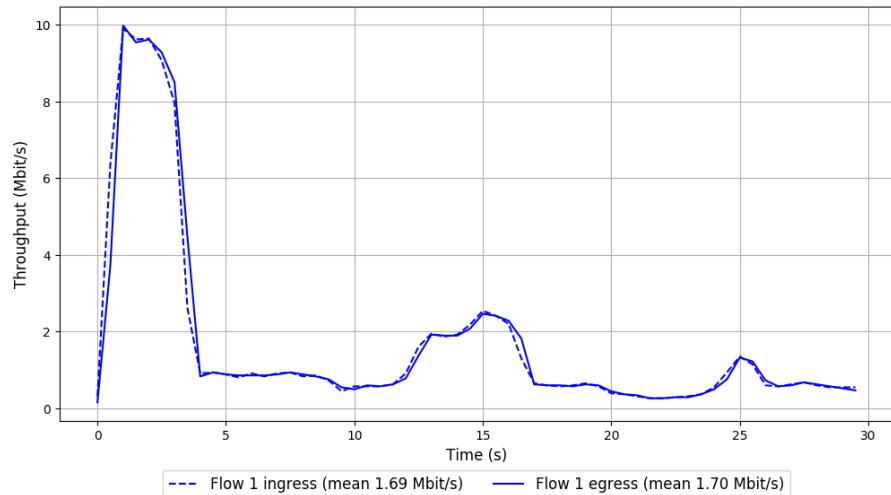


Run 8: Statistics of Copa

```
Start at: Tue, 25 Jul 2017 01:43:27 +0000
End at: Tue, 25 Jul 2017 01:43:57 +0000
Local clock offset: -0.676 ms
Remote clock offset: 2.9 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 164.563 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 1.70 Mbit/s
95th percentile per-packet one-way delay: 164.563 ms
Loss rate: 0.26%
```

Run 8: Report of Copa — Data Link

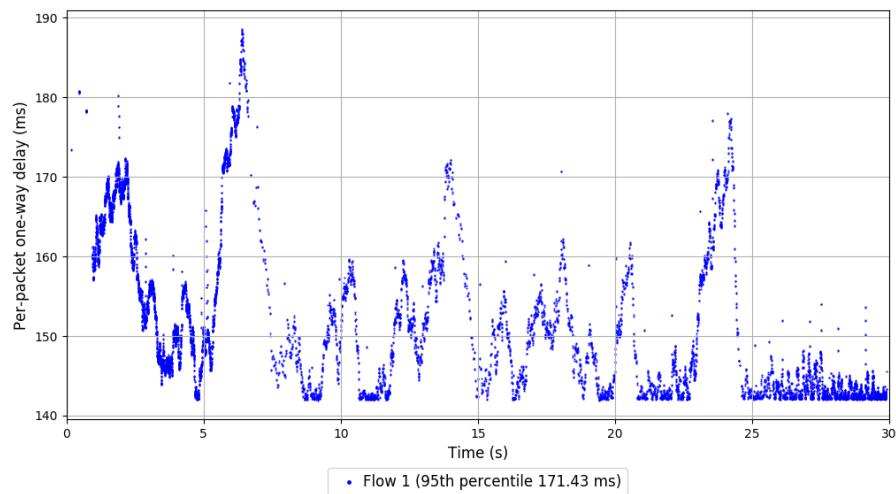
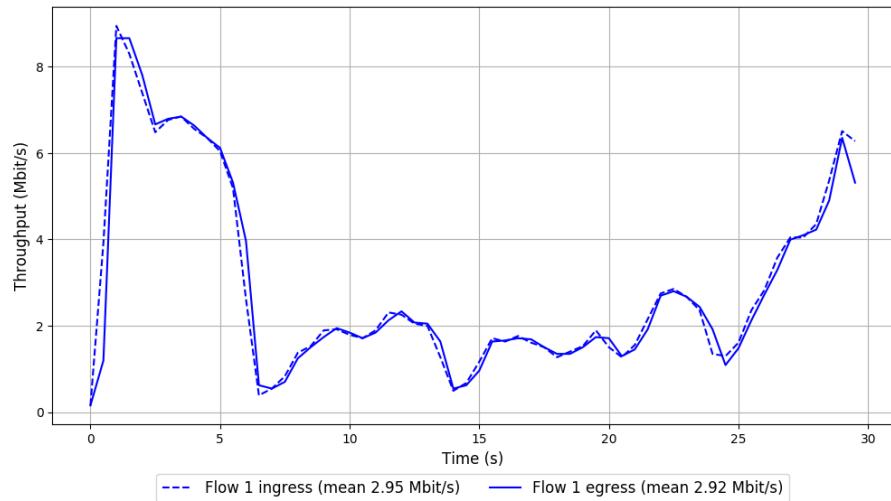


Run 9: Statistics of Copa

```
Start at: Tue, 25 Jul 2017 02:02:32 +0000
End at: Tue, 25 Jul 2017 02:03:02 +0000
Local clock offset: 1.794 ms
Remote clock offset: -0.272 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 171.429 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 171.429 ms
Loss rate: 1.62%
```

Run 9: Report of Copa — Data Link

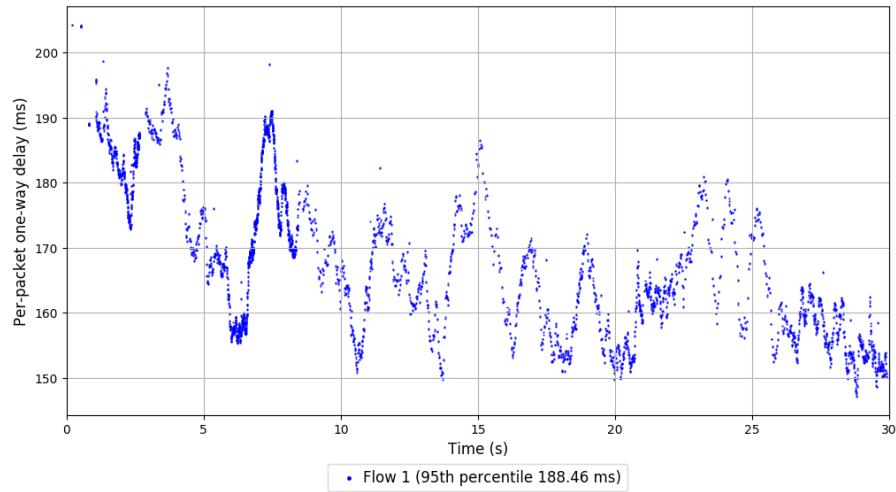
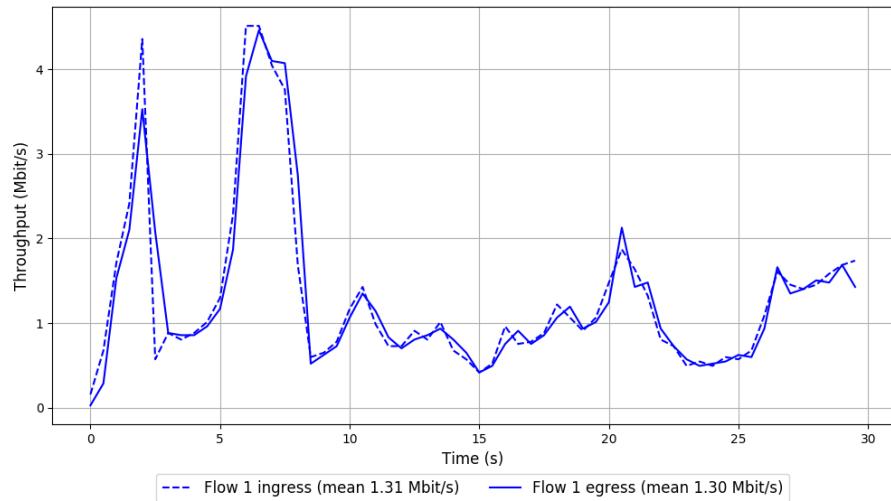


Run 10: Statistics of Copa

```
Start at: Tue, 25 Jul 2017 02:21:27 +0000
End at: Tue, 25 Jul 2017 02:21:57 +0000
Local clock offset: 0.48 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 188.455 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 1.30 Mbit/s
95th percentile per-packet one-way delay: 188.455 ms
Loss rate: 1.06%
```

Run 10: Report of Copa — Data Link



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

```
Start at: Mon, 24 Jul 2017 23:28:10 +0000
```

```
End at: Mon, 24 Jul 2017 23:28:40 +0000
```

```
Local clock offset: 0.075 ms
```

```
Remote clock offset: 7.259 ms
```

```
# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:47 +0000
```

```
# Datalink statistics
```

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

```
Average throughput: 65.07 Mbit/s
```

```
95th percentile per-packet one-way delay: 165.387 ms
```

```
Loss rate: 0.90%
```

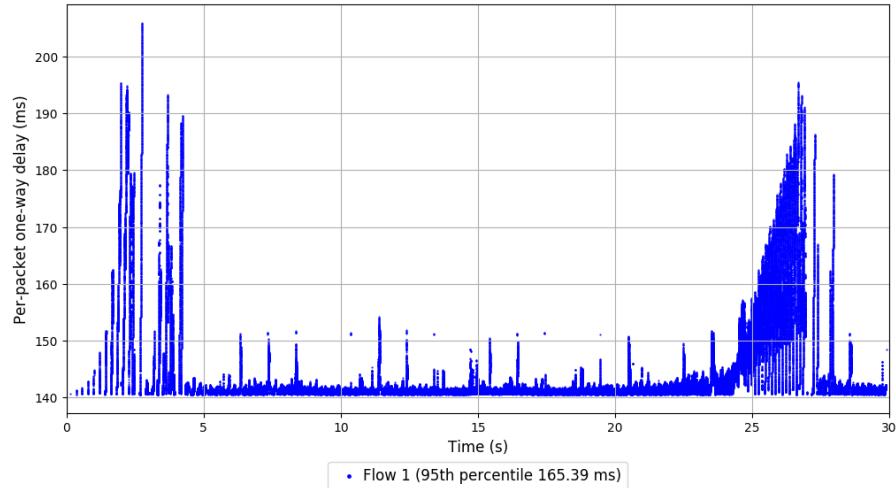
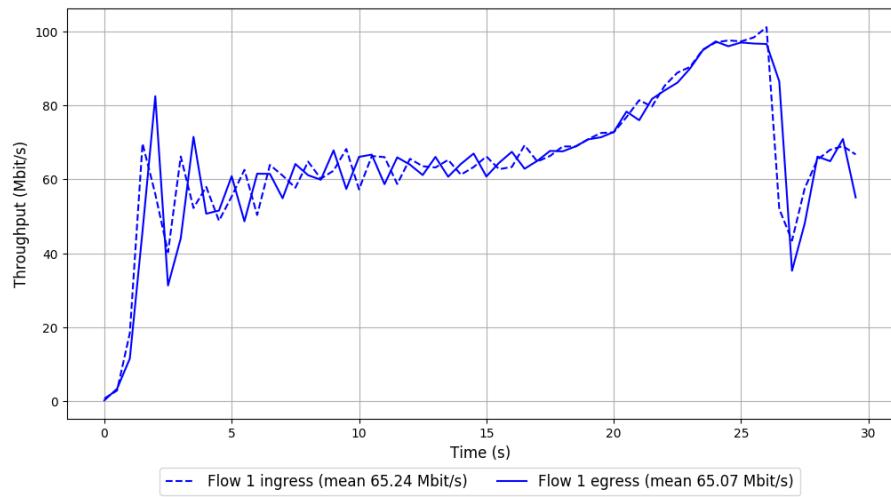
```
-- Flow 1:
```

```
Average throughput: 65.07 Mbit/s
```

```
95th percentile per-packet one-way delay: 165.387 ms
```

```
Loss rate: 0.90%
```

Run 1: Report of TCP Cubic — Data Link

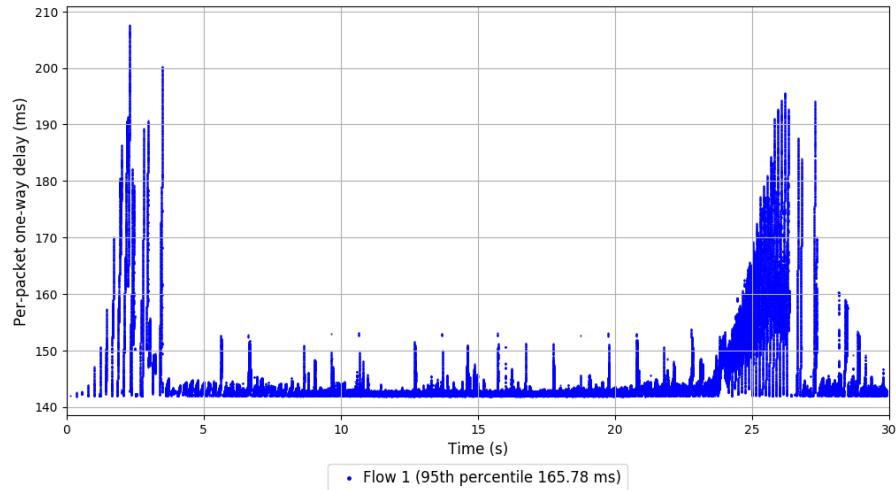
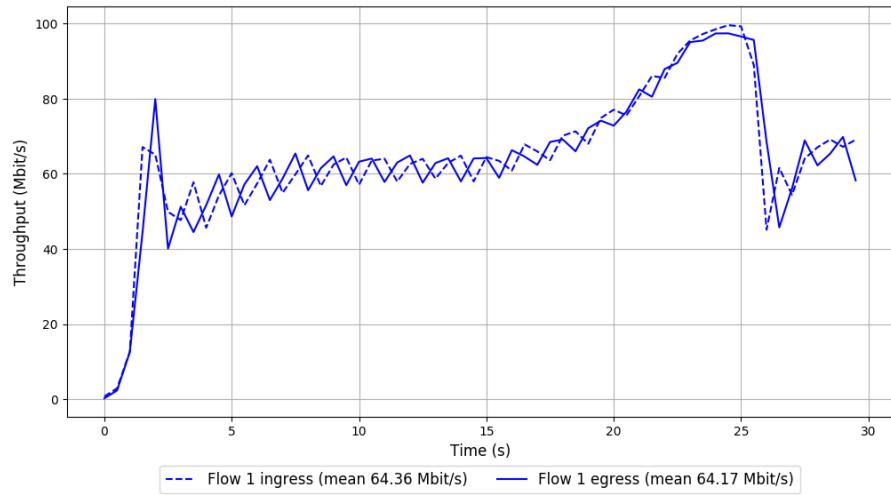


Run 2: Statistics of TCP Cubic

```
Start at: Mon, 24 Jul 2017 23:47:33 +0000
End at: Mon, 24 Jul 2017 23:48:03 +0000
Local clock offset: 1.454 ms
Remote clock offset: 5.816 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.17 Mbit/s
95th percentile per-packet one-way delay: 165.785 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 64.17 Mbit/s
95th percentile per-packet one-way delay: 165.785 ms
Loss rate: 1.00%
```

Run 2: Report of TCP Cubic — Data Link

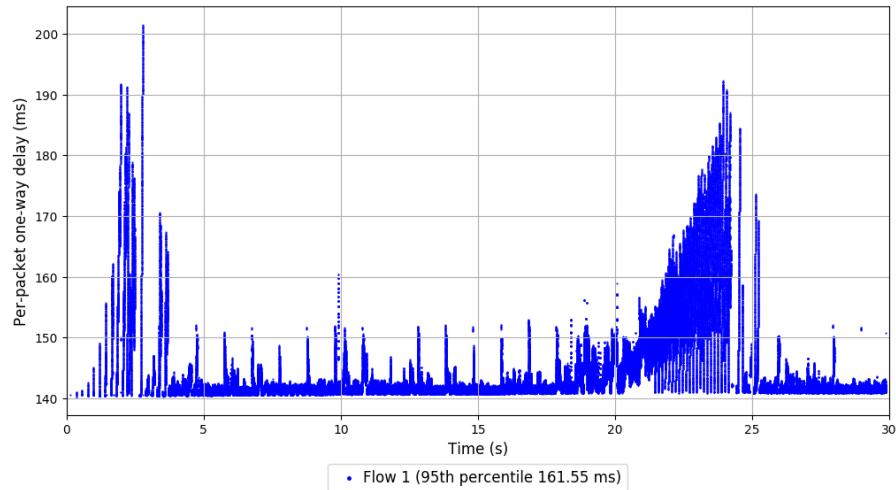
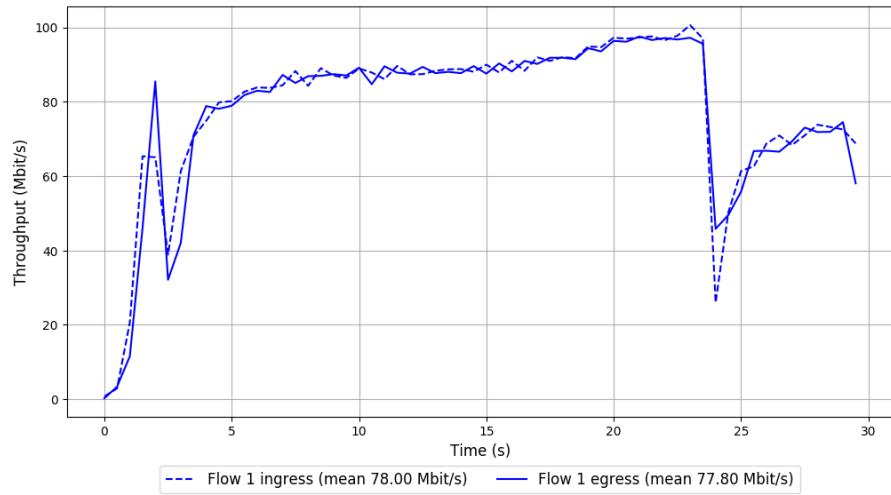


Run 3: Statistics of TCP Cubic

```
Start at: Tue, 25 Jul 2017 00:06:41 +0000
End at: Tue, 25 Jul 2017 00:07:11 +0000
Local clock offset: 0.056 ms
Remote clock offset: 0.377 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 161.549 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 161.549 ms
Loss rate: 0.92%
```

Run 3: Report of TCP Cubic — Data Link

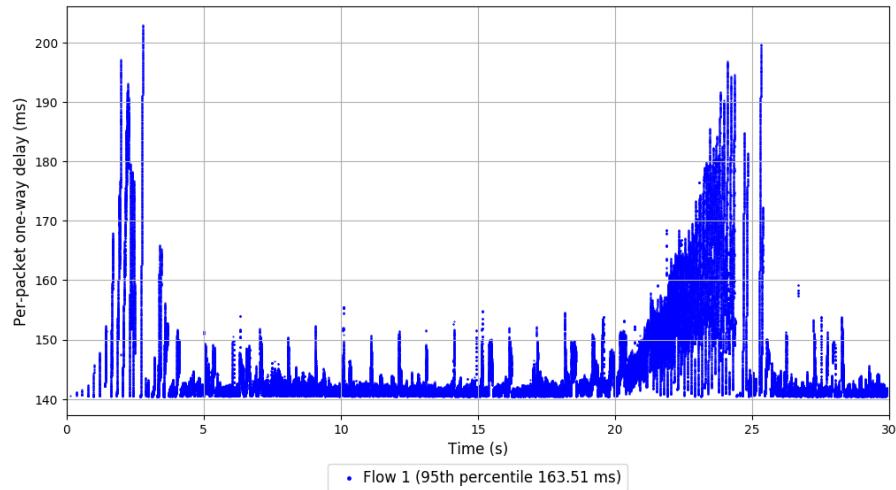
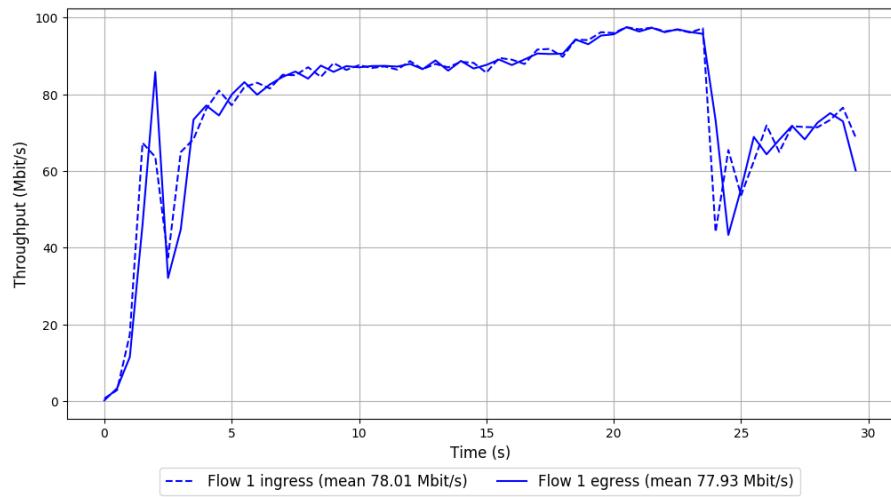


Run 4: Statistics of TCP Cubic

```
Start at: Tue, 25 Jul 2017 00:25:53 +0000
End at: Tue, 25 Jul 2017 00:26:23 +0000
Local clock offset: 0.212 ms
Remote clock offset: 0.229 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:44:58 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 163.511 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 163.511 ms
Loss rate: 0.79%
```

Run 4: Report of TCP Cubic — Data Link

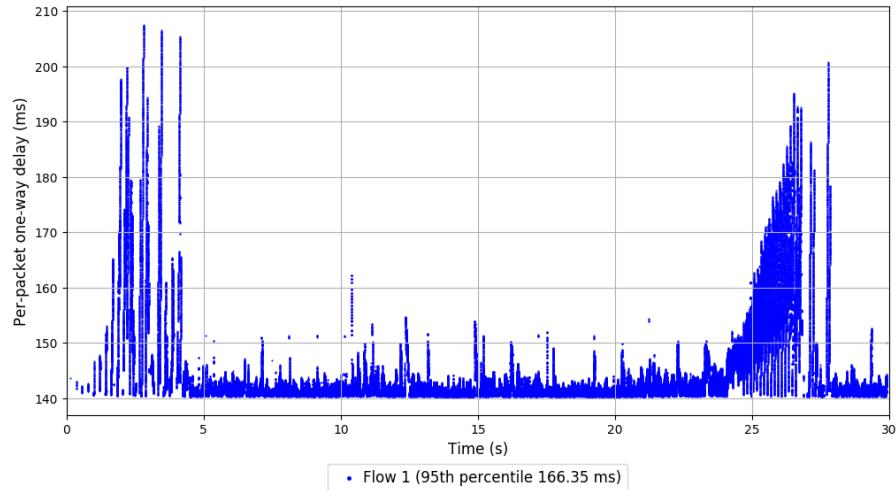
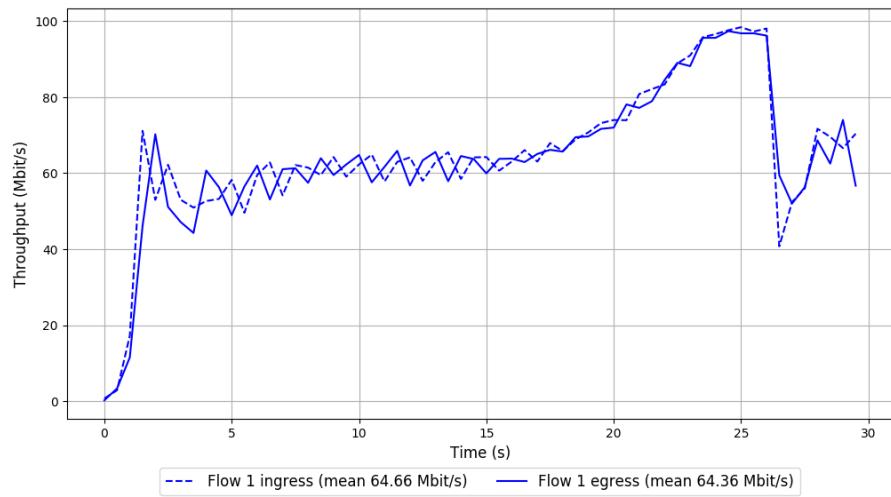


Run 5: Statistics of TCP Cubic

```
Start at: Tue, 25 Jul 2017 00:45:02 +0000
End at: Tue, 25 Jul 2017 00:45:32 +0000
Local clock offset: 0.318 ms
Remote clock offset: 0.15 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.36 Mbit/s
95th percentile per-packet one-way delay: 166.348 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 64.36 Mbit/s
95th percentile per-packet one-way delay: 166.348 ms
Loss rate: 1.15%
```

Run 5: Report of TCP Cubic — Data Link

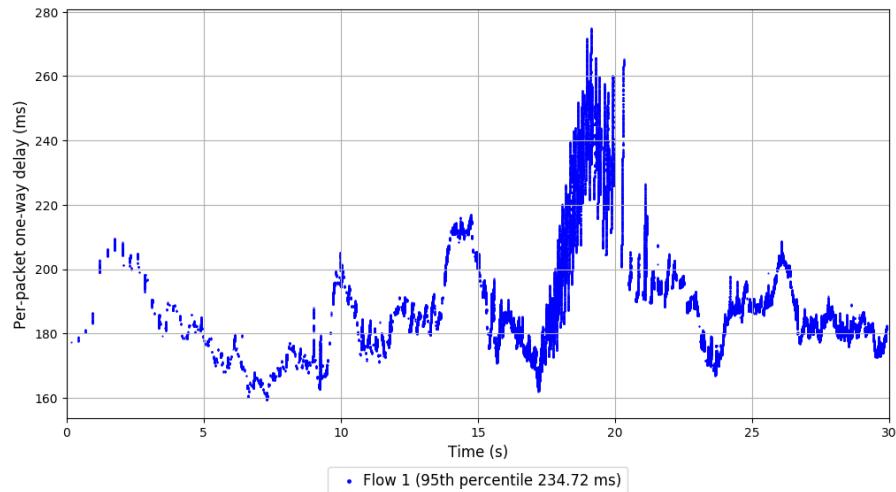
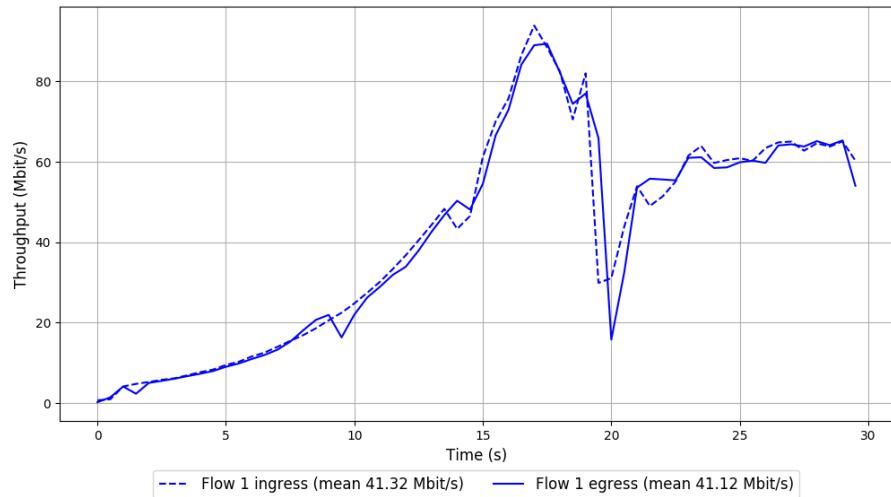


Run 6: Statistics of TCP Cubic

```
Start at: Tue, 25 Jul 2017 01:04:06 +0000
End at: Tue, 25 Jul 2017 01:04:36 +0000
Local clock offset: 1.649 ms
Remote clock offset: -0.514 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:06 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 234.716 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 41.12 Mbit/s
95th percentile per-packet one-way delay: 234.716 ms
Loss rate: 1.30%
```

Run 6: Report of TCP Cubic — Data Link

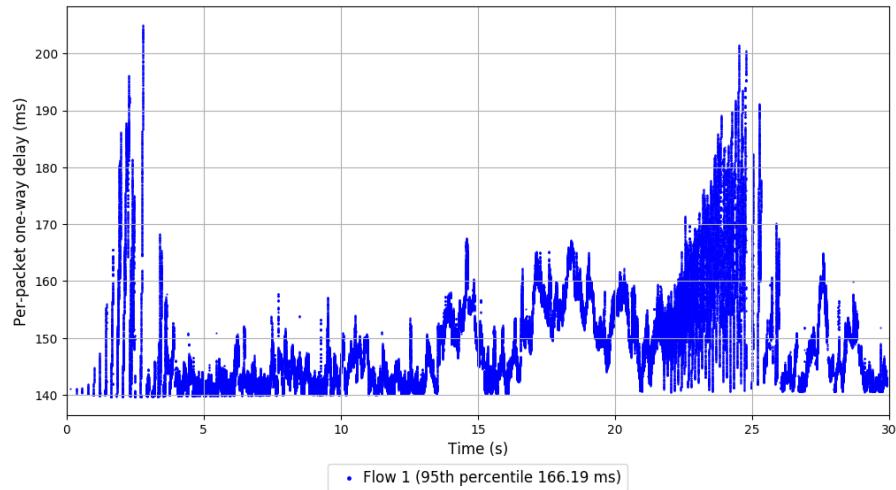
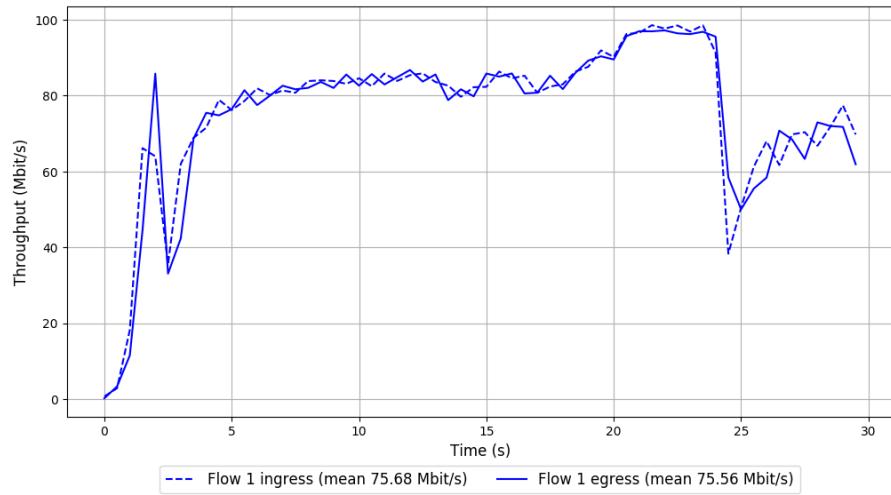


Run 7: Statistics of TCP Cubic

```
Start at: Tue, 25 Jul 2017 01:23:06 +0000
End at: Tue, 25 Jul 2017 01:23:36 +0000
Local clock offset: 1.76 ms
Remote clock offset: -0.392 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:12 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.56 Mbit/s
95th percentile per-packet one-way delay: 166.194 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 75.56 Mbit/s
95th percentile per-packet one-way delay: 166.194 ms
Loss rate: 0.85%
```

Run 7: Report of TCP Cubic — Data Link

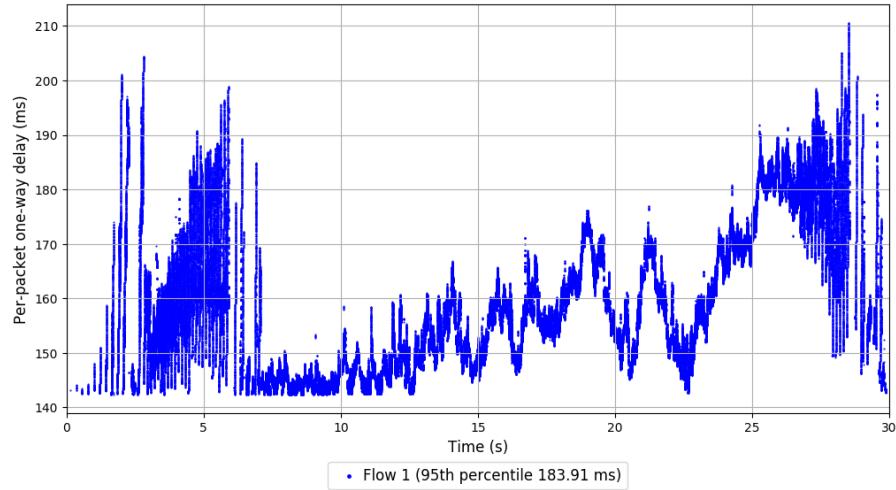
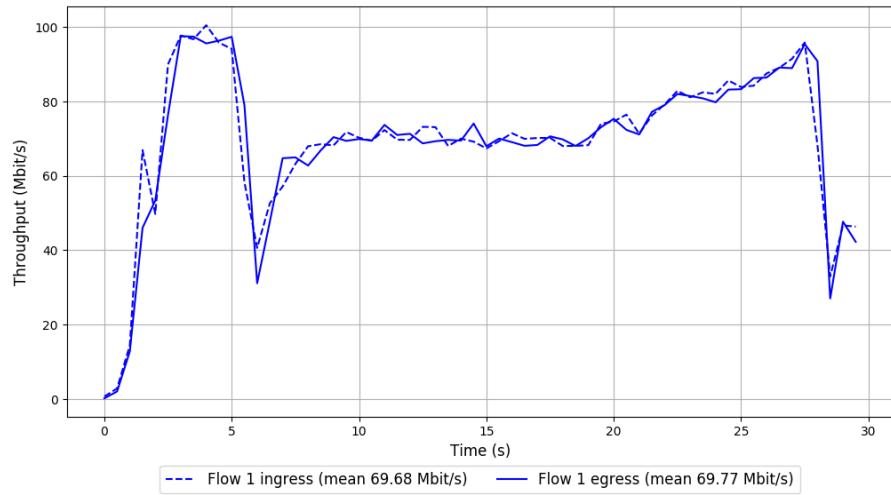


Run 8: Statistics of TCP Cubic

```
Start at: Tue, 25 Jul 2017 01:42:08 +0000
End at: Tue, 25 Jul 2017 01:42:38 +0000
Local clock offset: 1.819 ms
Remote clock offset: 1.691 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.77 Mbit/s
95th percentile per-packet one-way delay: 183.915 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 69.77 Mbit/s
95th percentile per-packet one-way delay: 183.915 ms
Loss rate: 0.58%
```

Run 8: Report of TCP Cubic — Data Link

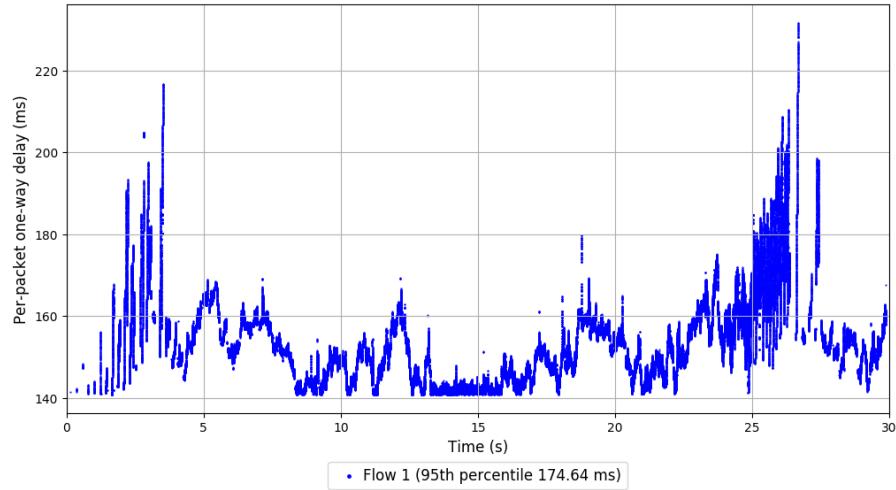
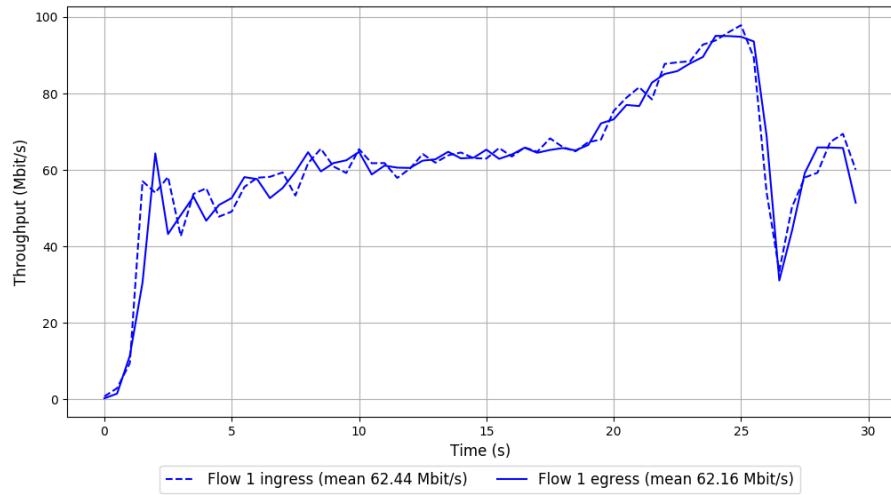


Run 9: Statistics of TCP Cubic

```
Start at: Tue, 25 Jul 2017 02:01:13 +0000
End at: Tue, 25 Jul 2017 02:01:43 +0000
Local clock offset: 0.551 ms
Remote clock offset: -0.405 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 174.644 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 62.16 Mbit/s
95th percentile per-packet one-way delay: 174.644 ms
Loss rate: 1.14%
```

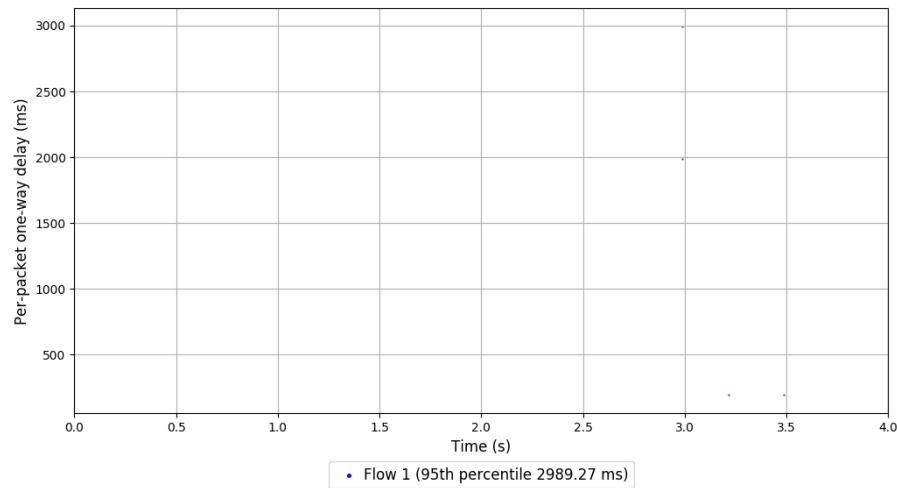
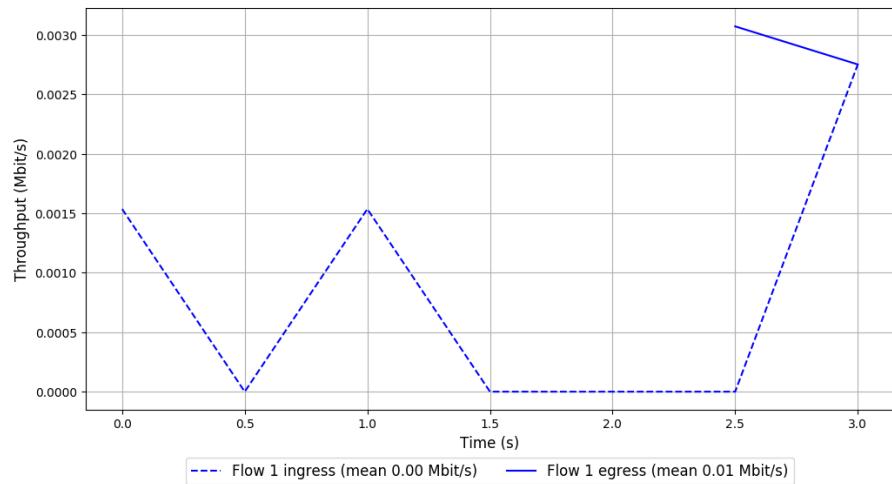
Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 02:20:13 +0000
End at: Tue, 25 Jul 2017 02:20:43 +0000
Local clock offset: 0.552 ms
Remote clock offset: 0.008 ms

Run 10: Report of TCP Cubic — Data Link

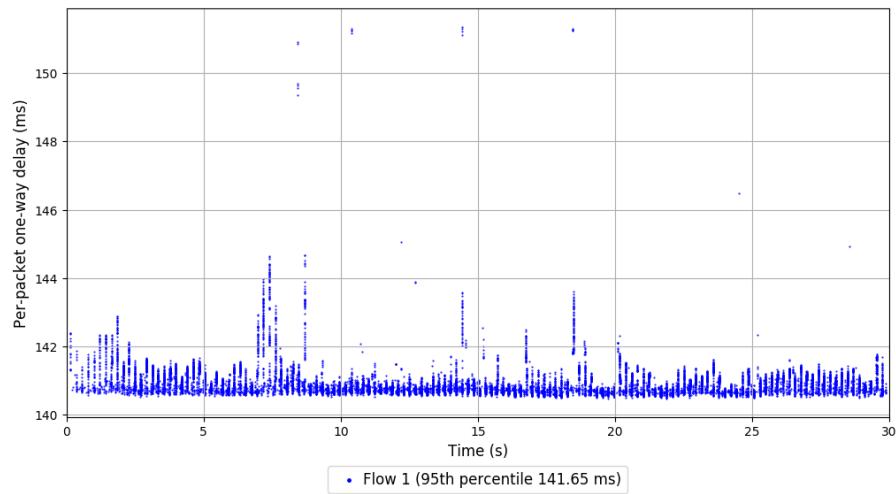
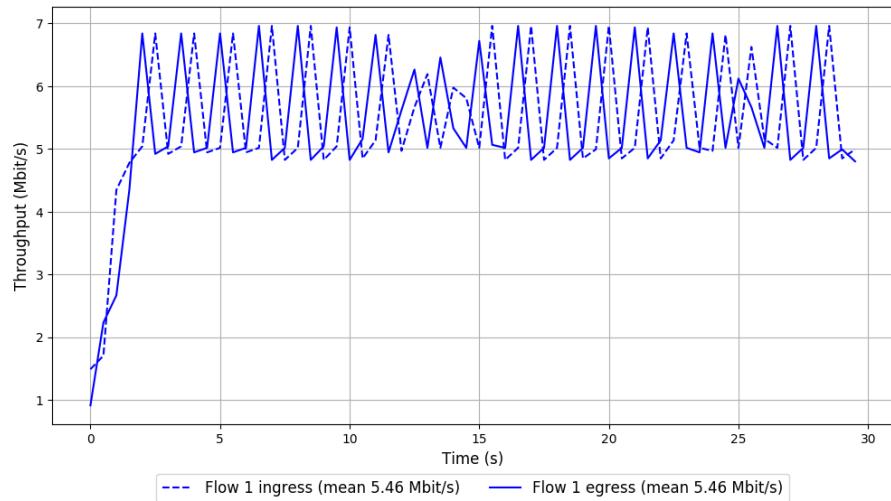


```
Run 1: Statistics of KohoCC
```

```
Start at: Mon, 24 Jul 2017 23:30:49 +0000
End at: Mon, 24 Jul 2017 23:31:19 +0000
Local clock offset: 0.049 ms
Remote clock offset: 6.978 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 141.652 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 141.652 ms
Loss rate: 0.73%
```

Run 1: Report of KohoCC — Data Link

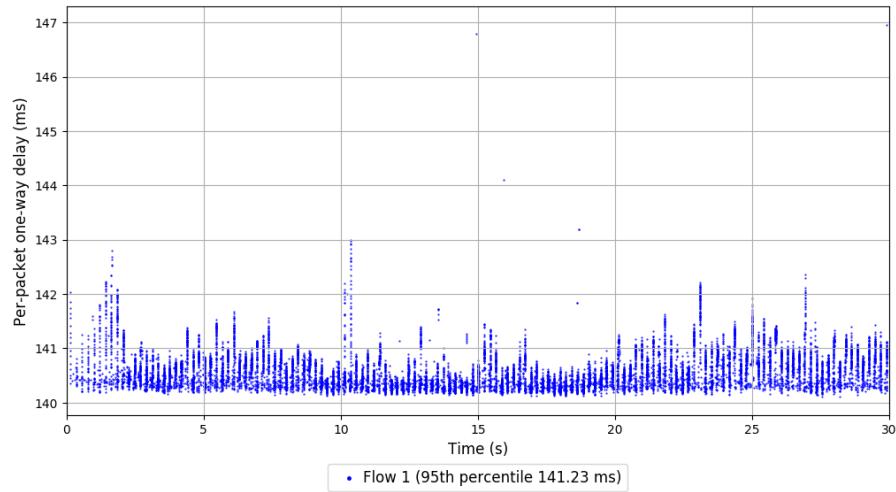
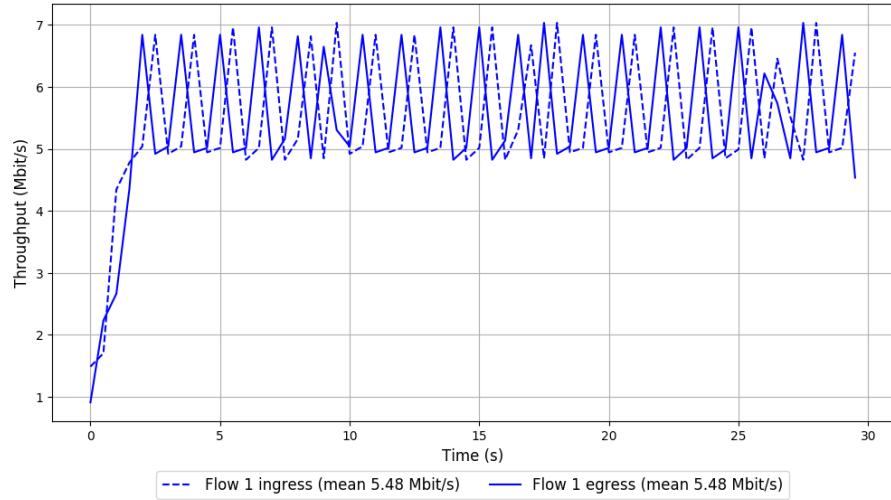


Run 2: Statistics of KohoCC

```
Start at: Mon, 24 Jul 2017 23:50:11 +0000
End at: Mon, 24 Jul 2017 23:50:41 +0000
Local clock offset: 0.046 ms
Remote clock offset: 5.588 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 141.233 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 141.233 ms
Loss rate: 0.72%
```

Run 2: Report of KohoCC — Data Link

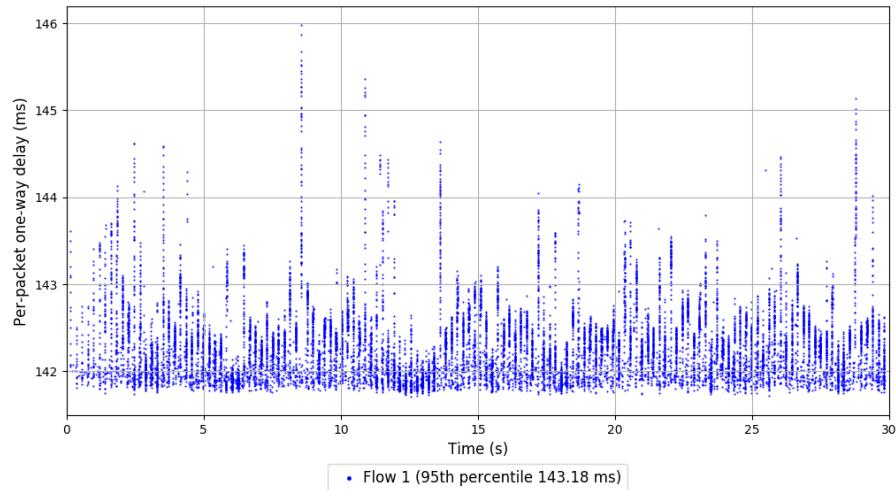
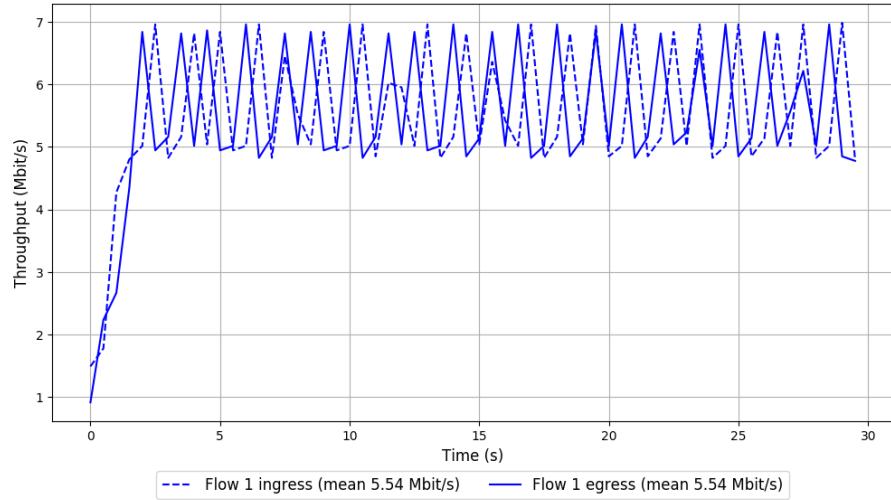


Run 3: Statistics of KohoCC

```
Start at: Tue, 25 Jul 2017 00:09:22 +0000
End at: Tue, 25 Jul 2017 00:09:52 +0000
Local clock offset: 1.296 ms
Remote clock offset: 1.087 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 143.183 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 143.183 ms
Loss rate: 0.72%
```

Run 3: Report of KohoCC — Data Link

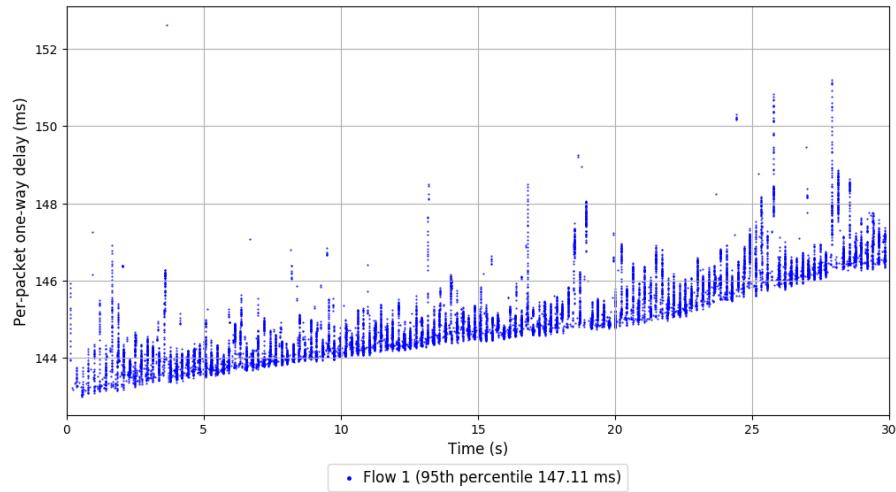
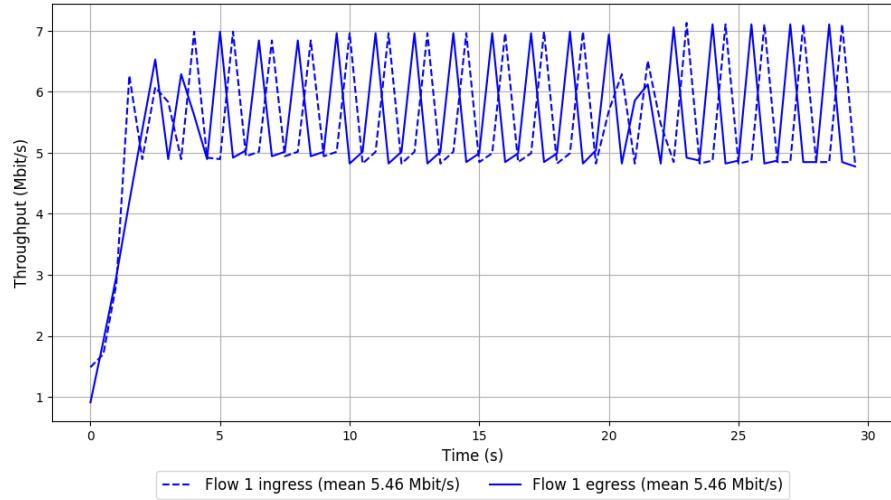


Run 4: Statistics of KohoCC

```
Start at: Tue, 25 Jul 2017 00:28:31 +0000
End at: Tue, 25 Jul 2017 00:29:01 +0000
Local clock offset: 0.27 ms
Remote clock offset: -7.023 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:24 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 147.109 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 147.109 ms
Loss rate: 0.73%
```

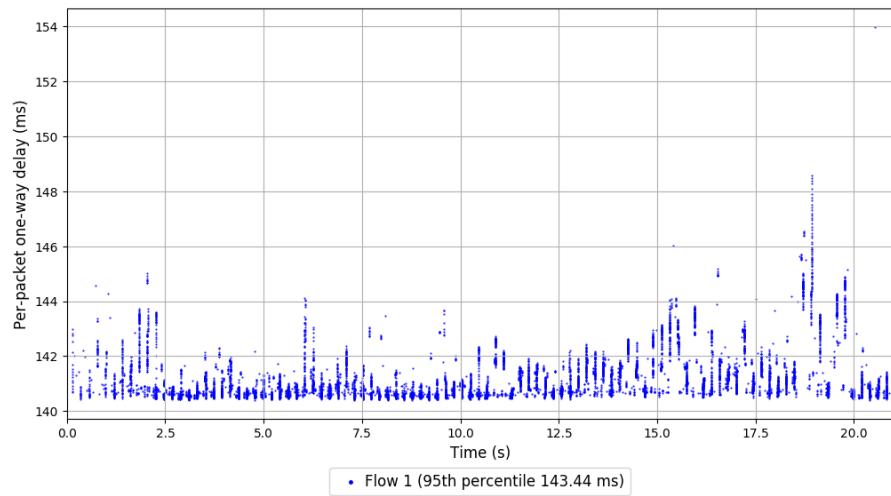
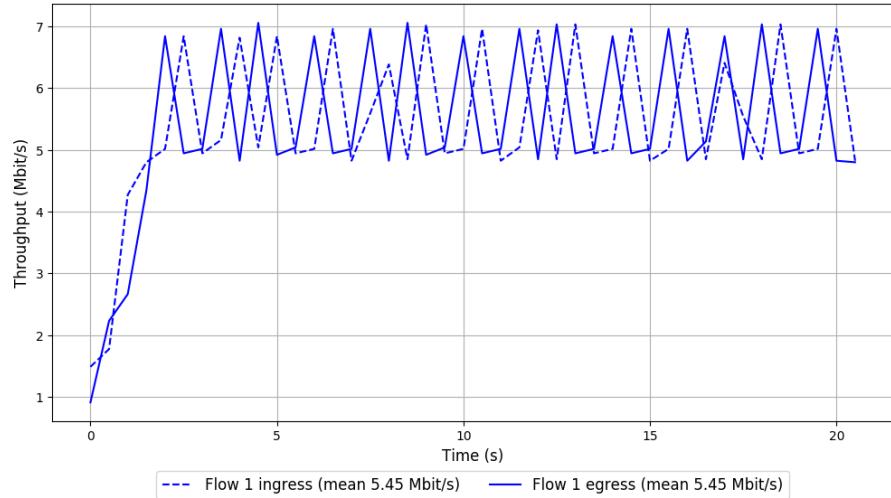
Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 00:47:37 +0000
End at: Tue, 25 Jul 2017 00:48:07 +0000
Local clock offset: 0.355 ms
Remote clock offset: 0.059 ms

Run 5: Report of KohoCC — Data Link

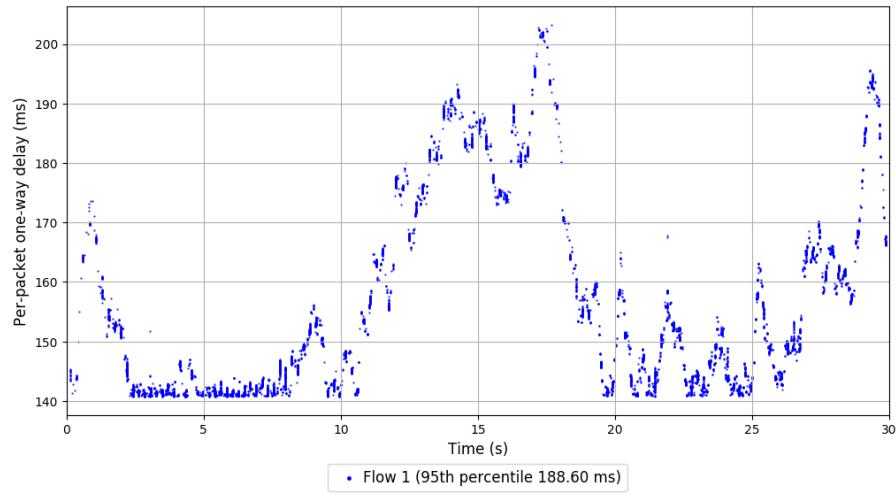
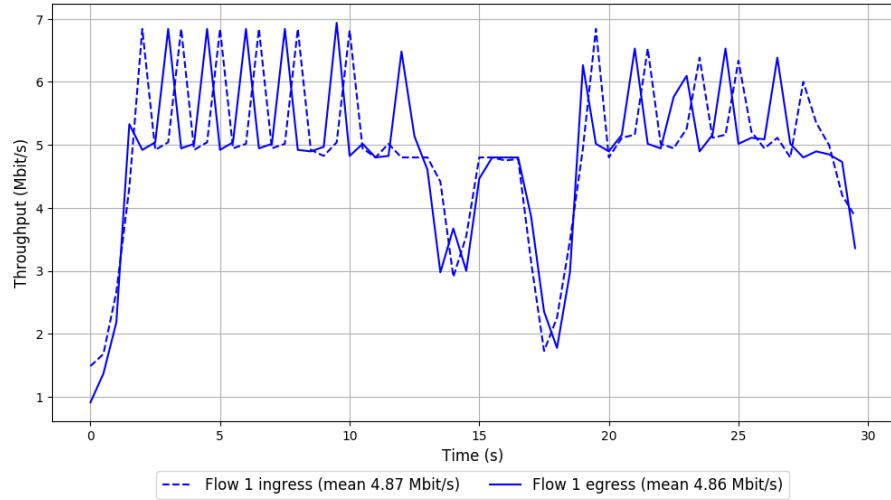


Run 6: Statistics of KohoCC

```
Start at: Tue, 25 Jul 2017 01:06:38 +0000
End at: Tue, 25 Jul 2017 01:07:08 +0000
Local clock offset: 0.426 ms
Remote clock offset: -0.276 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 188.602 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 4.86 Mbit/s
95th percentile per-packet one-way delay: 188.602 ms
Loss rate: 0.77%
```

Run 6: Report of KohoCC — Data Link

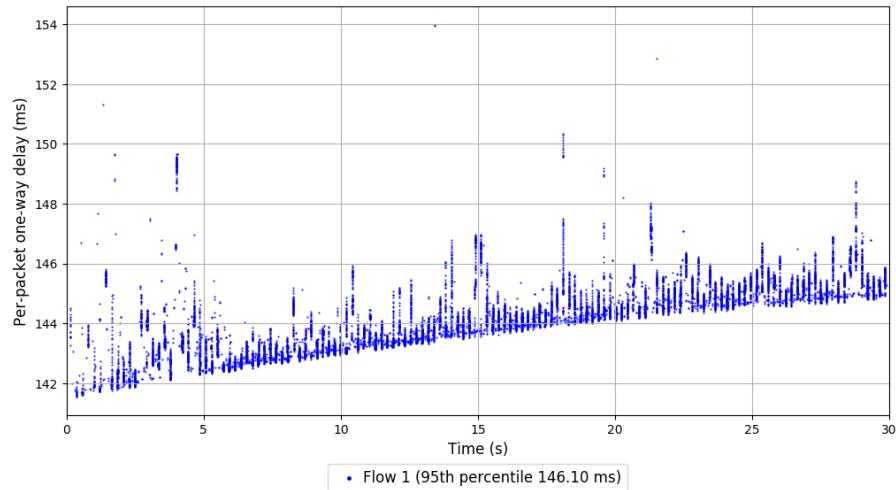
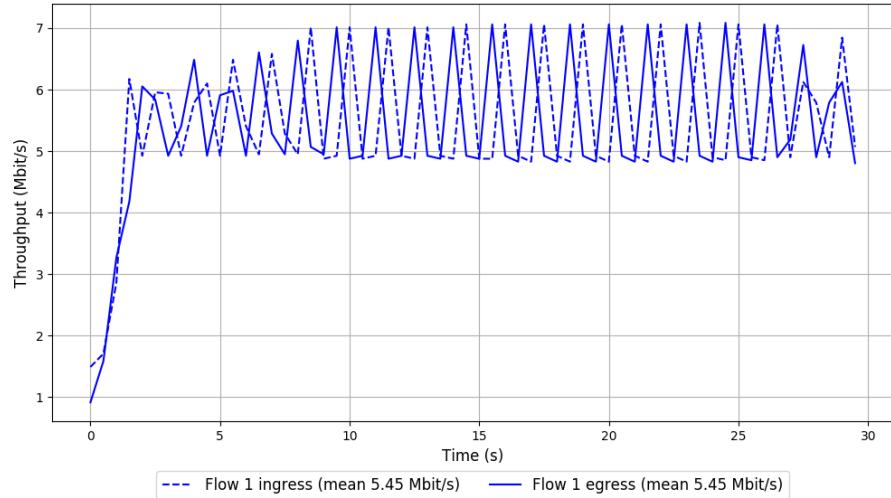


Run 7: Statistics of KohoCC

```
Start at: Tue, 25 Jul 2017 01:25:42 +0000
End at: Tue, 25 Jul 2017 01:26:12 +0000
Local clock offset: 0.424 ms
Remote clock offset: -11.989 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 146.097 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 146.097 ms
Loss rate: 0.73%
```

Run 7: Report of KohoCC — Data Link

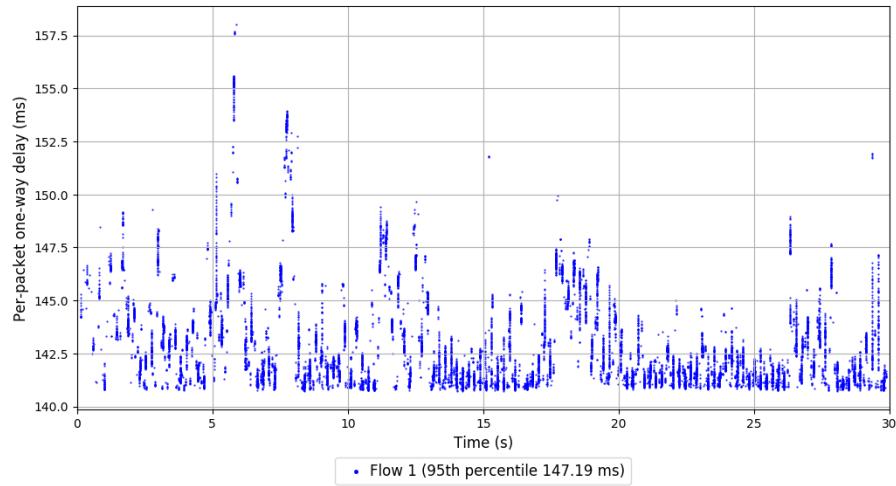
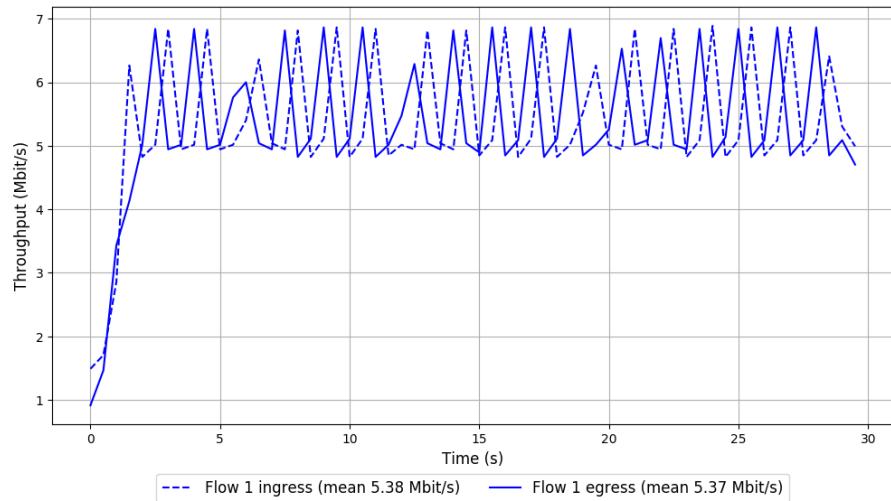


Run 8: Statistics of KohoCC

```
Start at: Tue, 25 Jul 2017 01:44:41 +0000
End at: Tue, 25 Jul 2017 01:45:11 +0000
Local clock offset: 0.549 ms
Remote clock offset: 3.051 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 147.191 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 5.37 Mbit/s
95th percentile per-packet one-way delay: 147.191 ms
Loss rate: 0.74%
```

Run 8: Report of KohoCC — Data Link

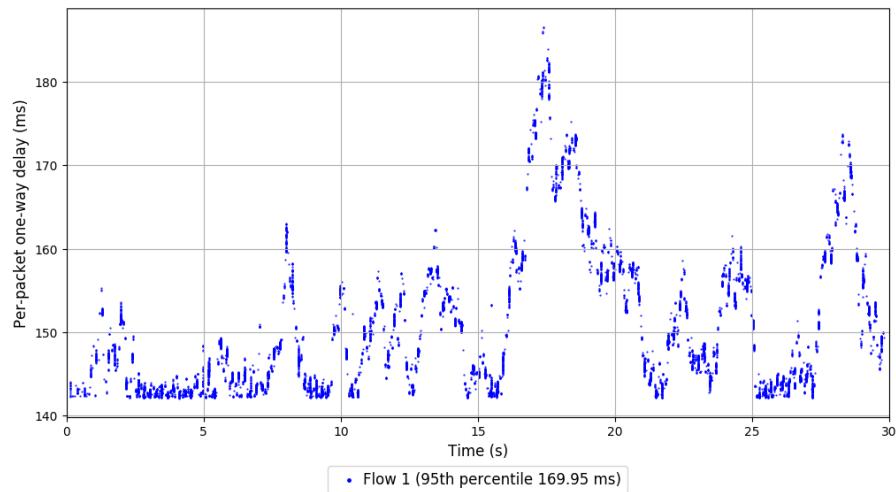
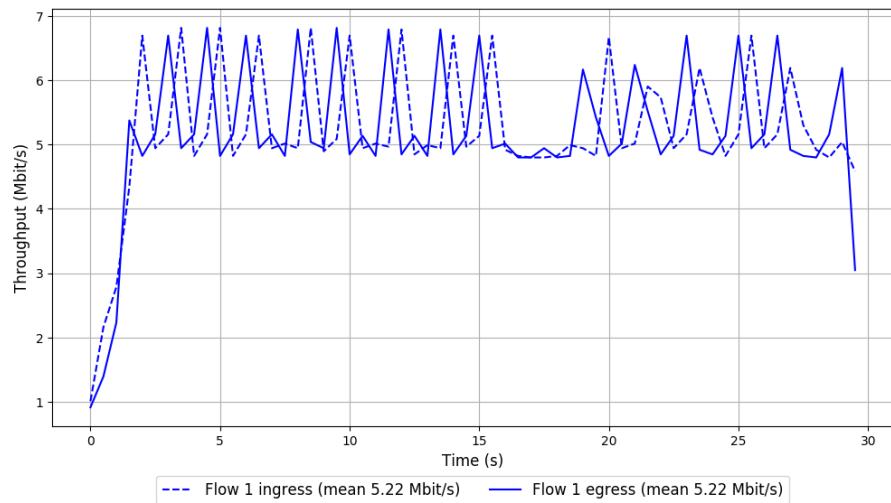


Run 9: Statistics of KohoCC

```
Start at: Tue, 25 Jul 2017 02:03:46 +0000
End at: Tue, 25 Jul 2017 02:04:16 +0000
Local clock offset: 1.832 ms
Remote clock offset: -0.237 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:28 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 169.946 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 169.946 ms
Loss rate: 0.77%
```

Run 9: Report of KohoCC — Data Link

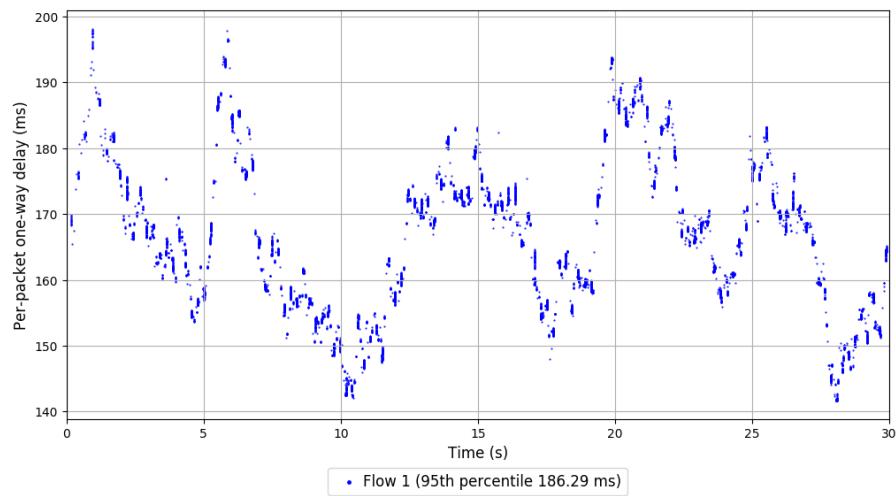
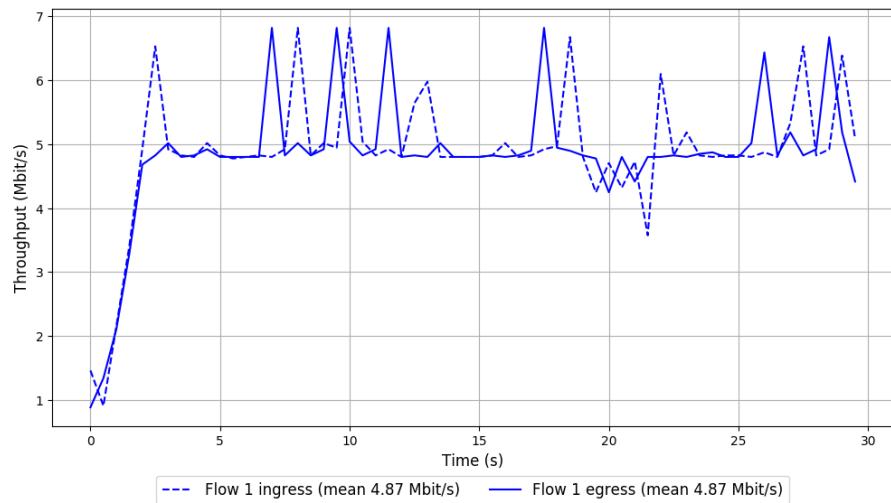


Run 10: Statistics of KohoCC

```
Start at: Tue, 25 Jul 2017 02:22:41 +0000
End at: Tue, 25 Jul 2017 02:23:11 +0000
Local clock offset: 1.714 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 186.288 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 4.87 Mbit/s
95th percentile per-packet one-way delay: 186.288 ms
Loss rate: 0.82%
```

Run 10: Report of KohoCC — Data Link

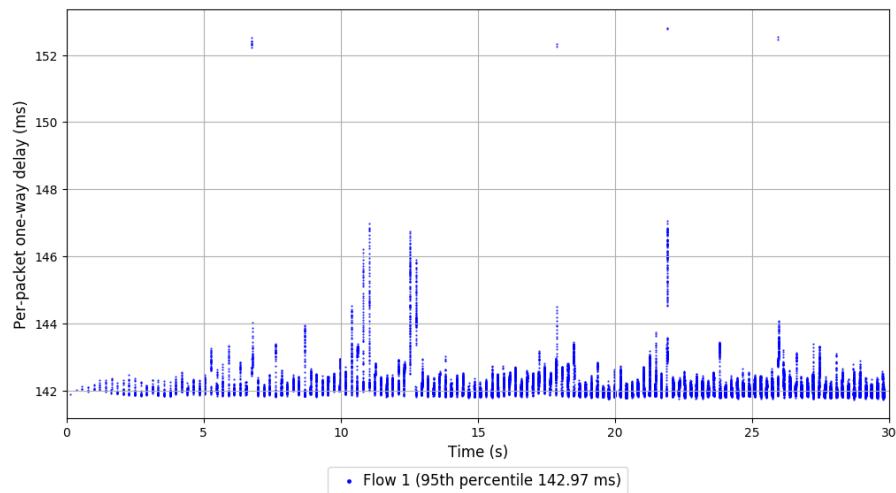
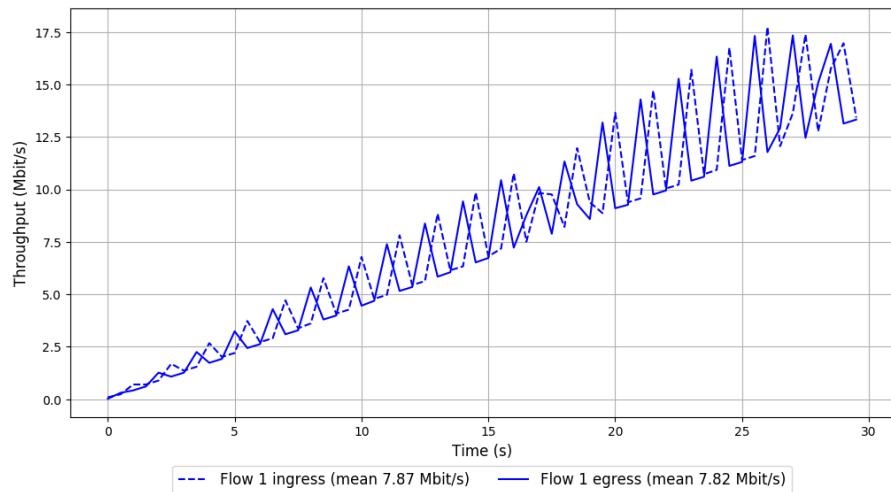


Run 1: Statistics of LEDBAT

```
Start at: Mon, 24 Jul 2017 23:32:04 +0000
End at: Mon, 24 Jul 2017 23:32:34 +0000
Local clock offset: 1.253 ms
Remote clock offset: 6.867 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 142.972 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 7.82 Mbit/s
95th percentile per-packet one-way delay: 142.972 ms
Loss rate: 1.43%
```

Run 1: Report of LEDBAT — Data Link

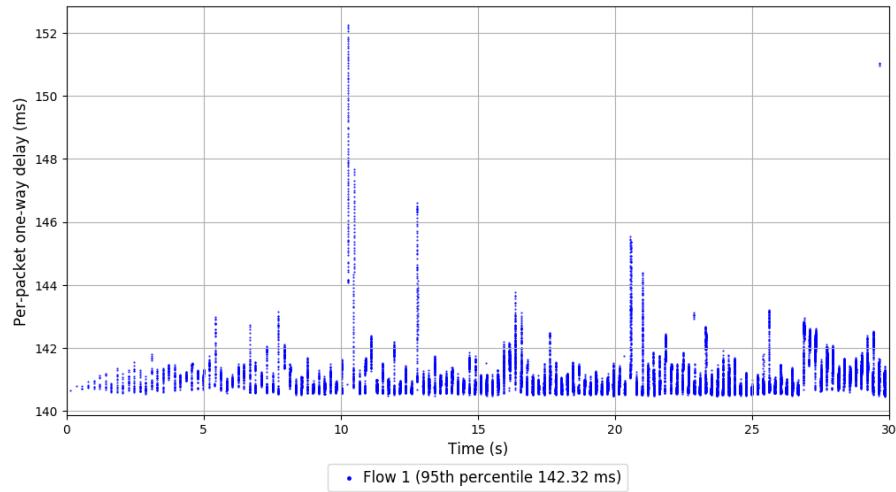
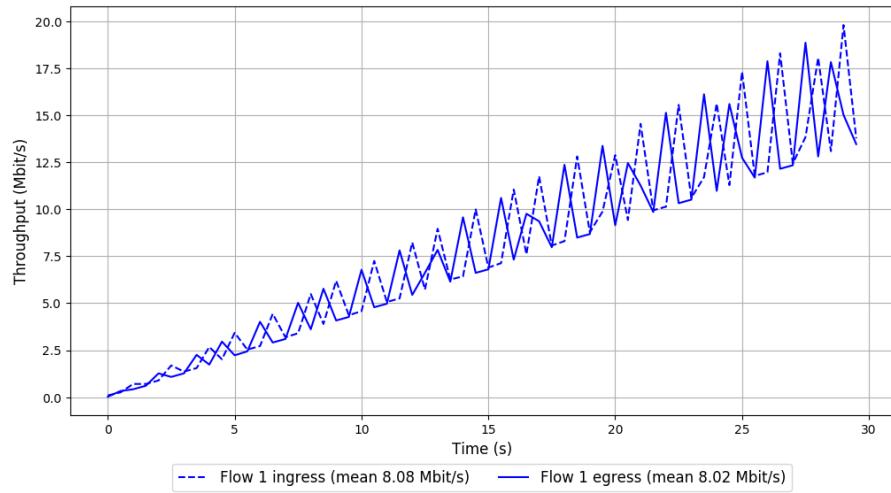


Run 2: Statistics of LEDBAT

```
Start at: Mon, 24 Jul 2017 23:51:25 +0000
End at: Mon, 24 Jul 2017 23:51:55 +0000
Local clock offset: -0.0 ms
Remote clock offset: 5.456 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 142.316 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 8.02 Mbit/s
95th percentile per-packet one-way delay: 142.316 ms
Loss rate: 1.41%
```

Run 2: Report of LEDBAT — Data Link

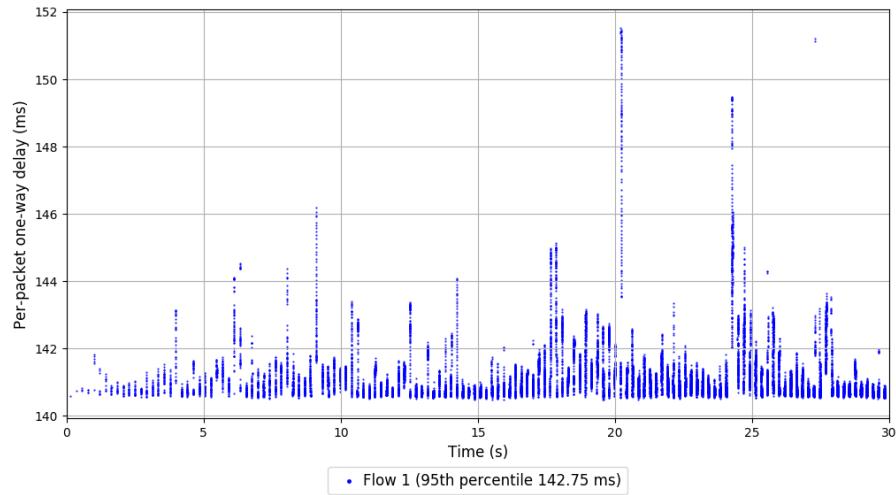
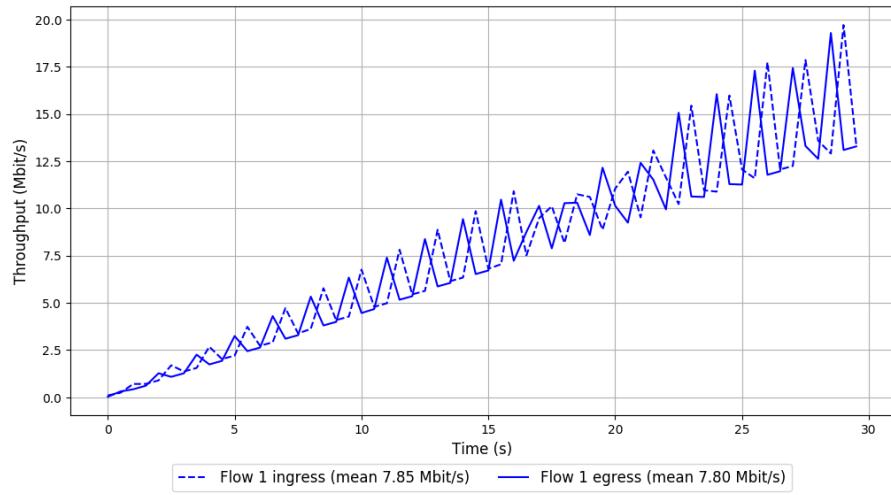


Run 3: Statistics of LEDBAT

```
Start at: Tue, 25 Jul 2017 00:10:36 +0000
End at: Tue, 25 Jul 2017 00:11:06 +0000
Local clock offset: 0.171 ms
Remote clock offset: 0.976 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 142.747 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 142.747 ms
Loss rate: 1.43%
```

Run 3: Report of LEDBAT — Data Link

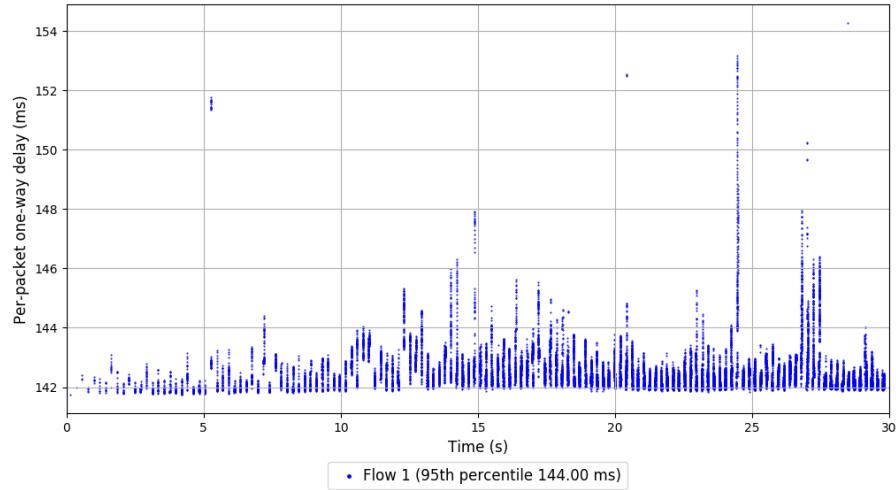
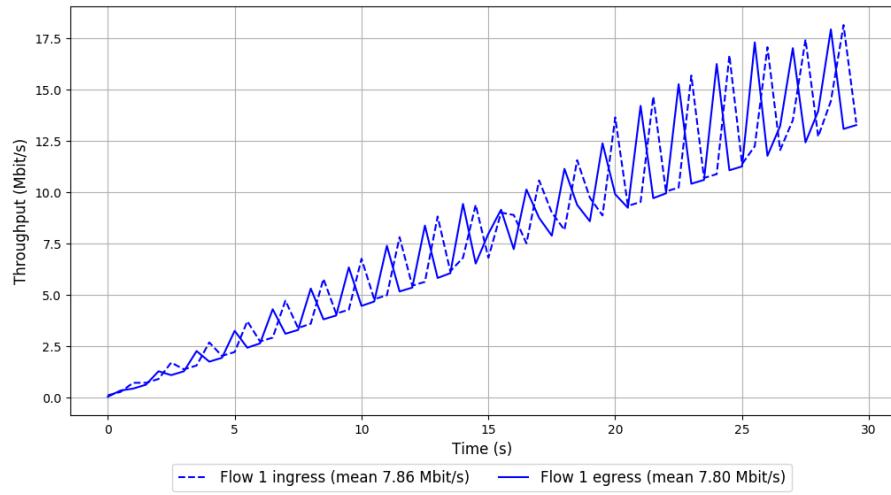


Run 4: Statistics of LEDBAT

```
Start at: Tue, 25 Jul 2017 00:29:45 +0000
End at: Tue, 25 Jul 2017 00:30:15 +0000
Local clock offset: 1.519 ms
Remote clock offset: 0.236 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 143.995 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 7.80 Mbit/s
95th percentile per-packet one-way delay: 143.995 ms
Loss rate: 1.43%
```

Run 4: Report of LEDBAT — Data Link

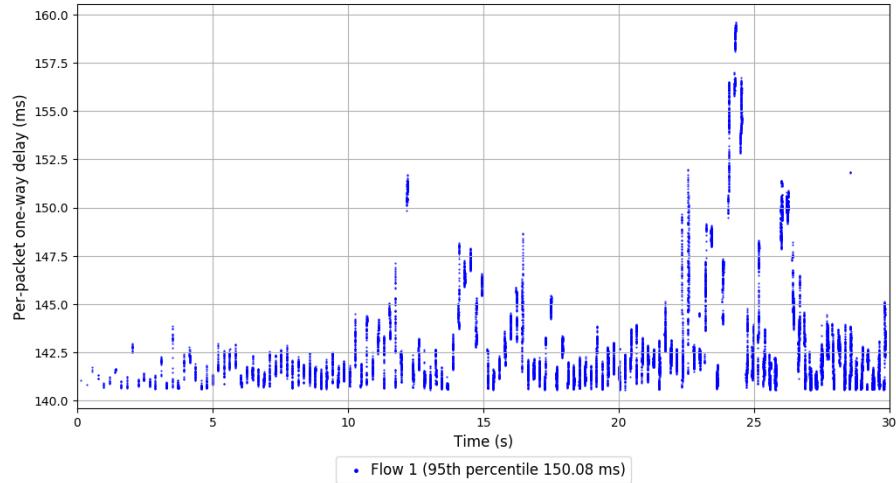
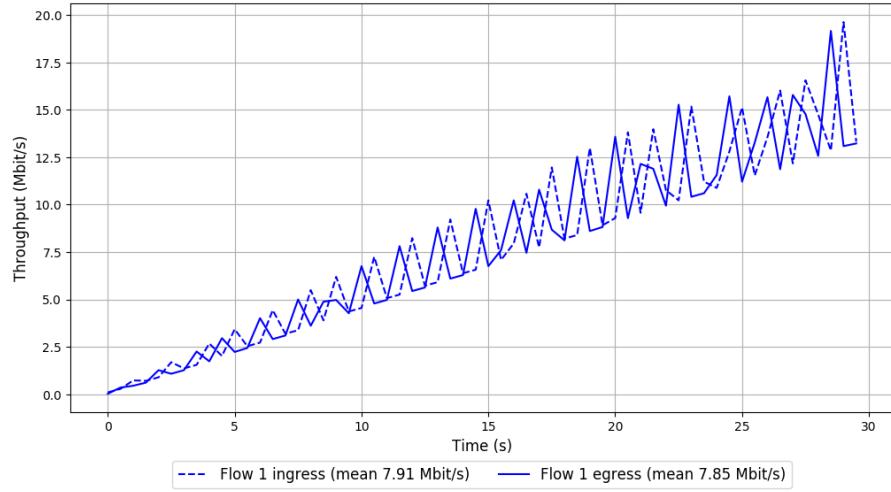


Run 5: Statistics of LEDBAT

```
Start at: Tue, 25 Jul 2017 00:48:51 +0000
End at: Tue, 25 Jul 2017 00:49:21 +0000
Local clock offset: 0.423 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 150.079 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 150.079 ms
Loss rate: 1.41%
```

Run 5: Report of LEDBAT — Data Link

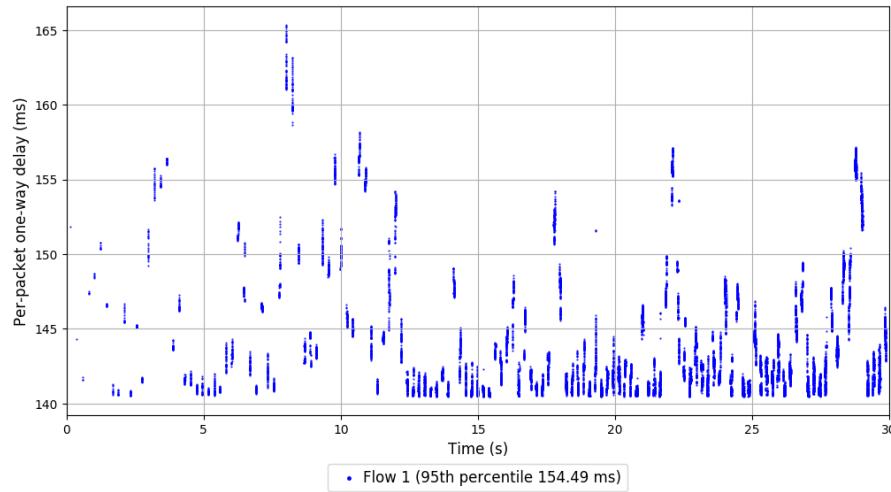
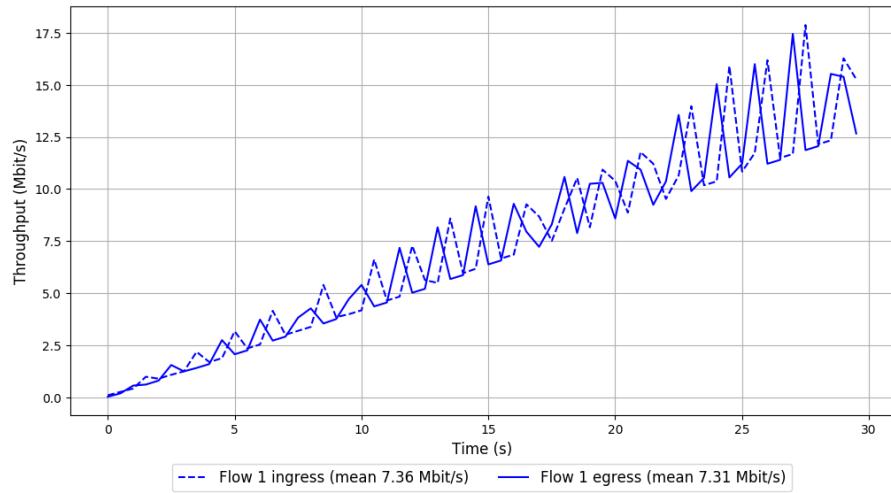


Run 6: Statistics of LEDBAT

```
Start at: Tue, 25 Jul 2017 01:07:53 +0000
End at: Tue, 25 Jul 2017 01:08:23 +0000
Local clock offset: 0.494 ms
Remote clock offset: -0.31 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 154.490 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 154.490 ms
Loss rate: 1.45%
```

Run 6: Report of LEDBAT — Data Link

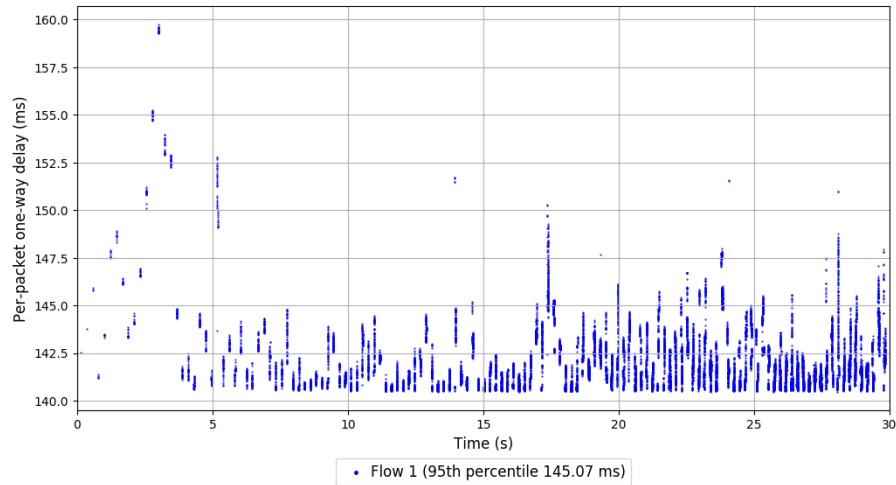
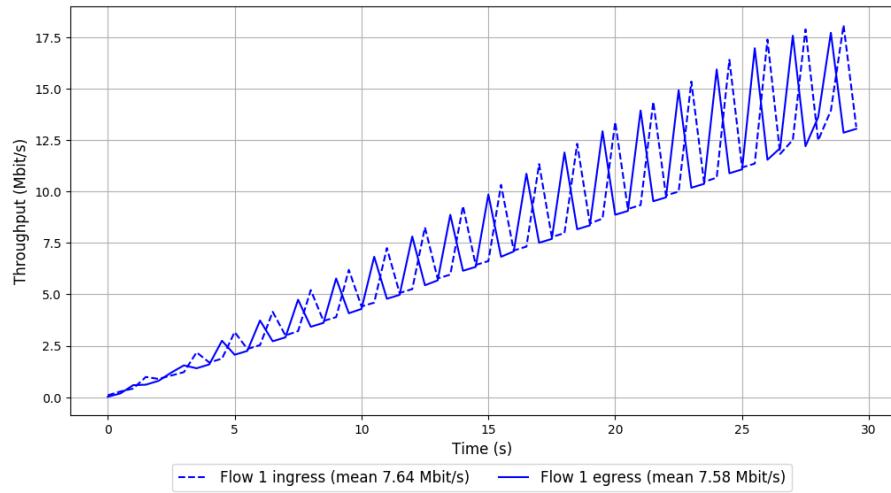


Run 7: Statistics of LEDBAT

```
Start at: Tue, 25 Jul 2017 01:26:56 +0000
End at: Tue, 25 Jul 2017 01:27:26 +0000
Local clock offset: 1.732 ms
Remote clock offset: -11.676 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:35 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 145.073 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 7.58 Mbit/s
95th percentile per-packet one-way delay: 145.073 ms
Loss rate: 1.44%
```

Run 7: Report of LEDBAT — Data Link

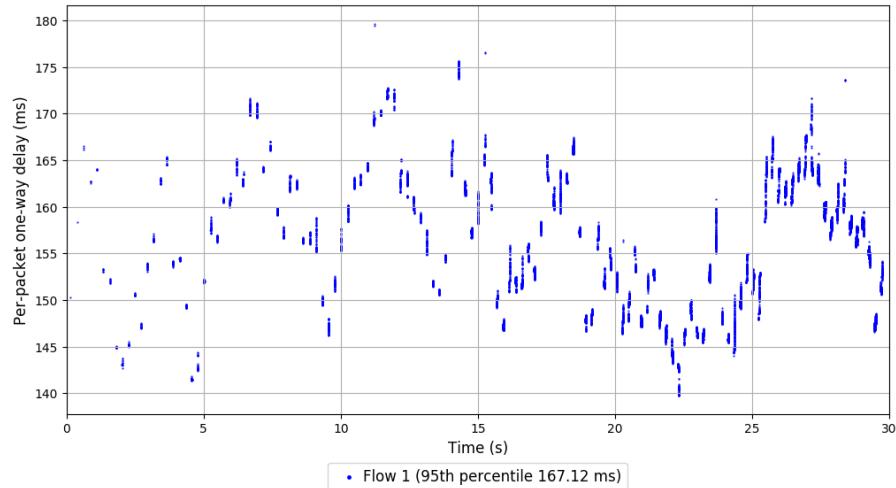
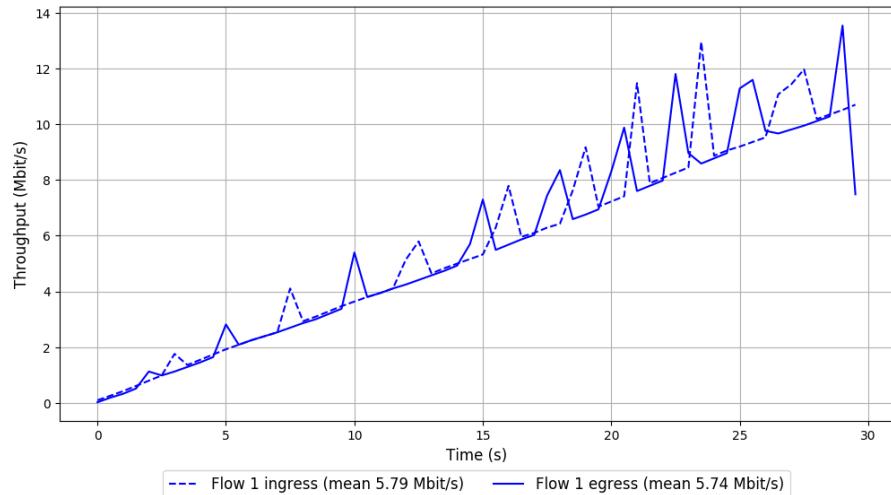


Run 8: Statistics of LEDBAT

```
Start at: Tue, 25 Jul 2017 01:45:56 +0000
End at: Tue, 25 Jul 2017 01:46:26 +0000
Local clock offset: 1.671 ms
Remote clock offset: 3.048 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 167.115 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 5.74 Mbit/s
95th percentile per-packet one-way delay: 167.115 ms
Loss rate: 1.55%
```

Run 8: Report of LEDBAT — Data Link

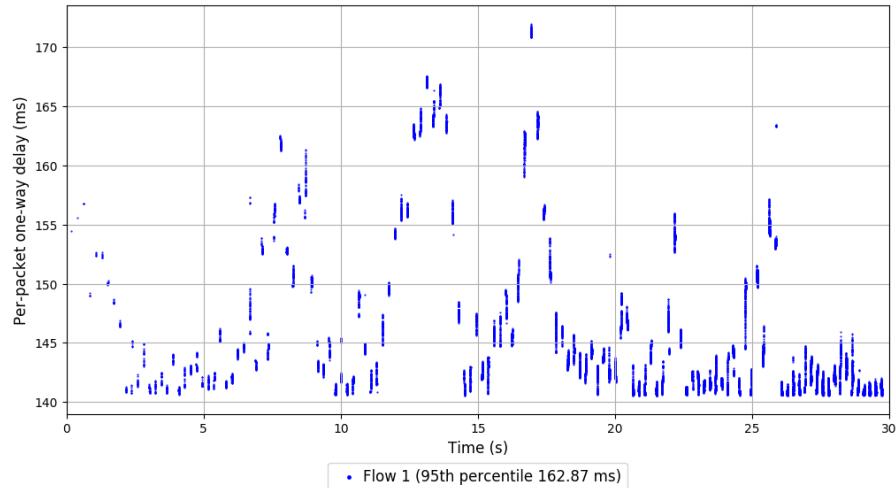
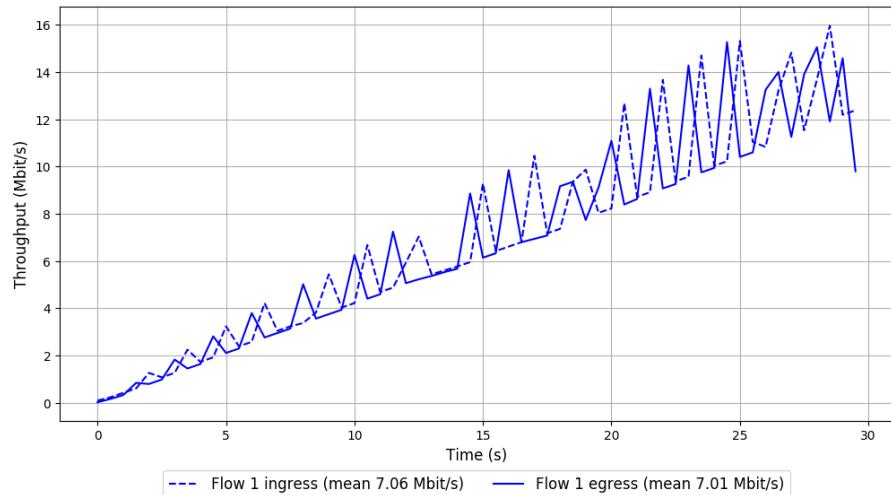


Run 9: Statistics of LEDBAT

```
Start at: Tue, 25 Jul 2017 02:05:01 +0000
End at: Tue, 25 Jul 2017 02:05:31 +0000
Local clock offset: 0.56 ms
Remote clock offset: -0.187 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 162.865 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 162.865 ms
Loss rate: 1.48%
```

Run 9: Report of LEDBAT — Data Link

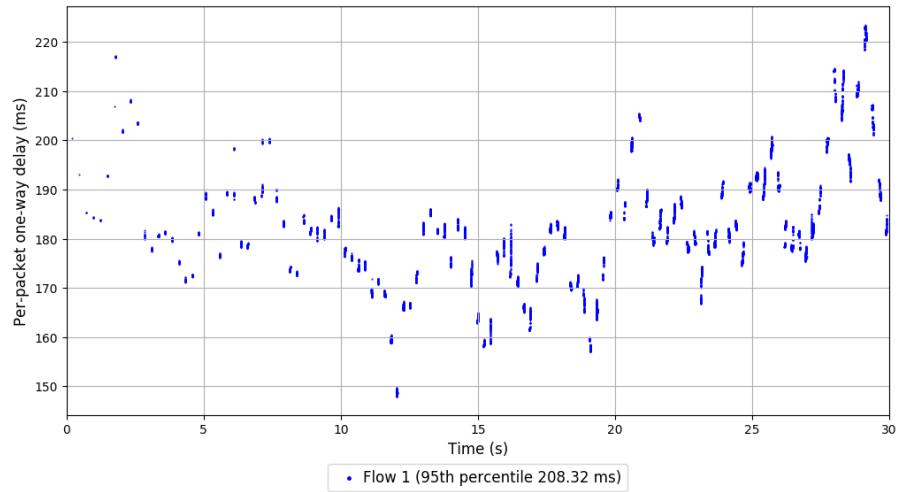
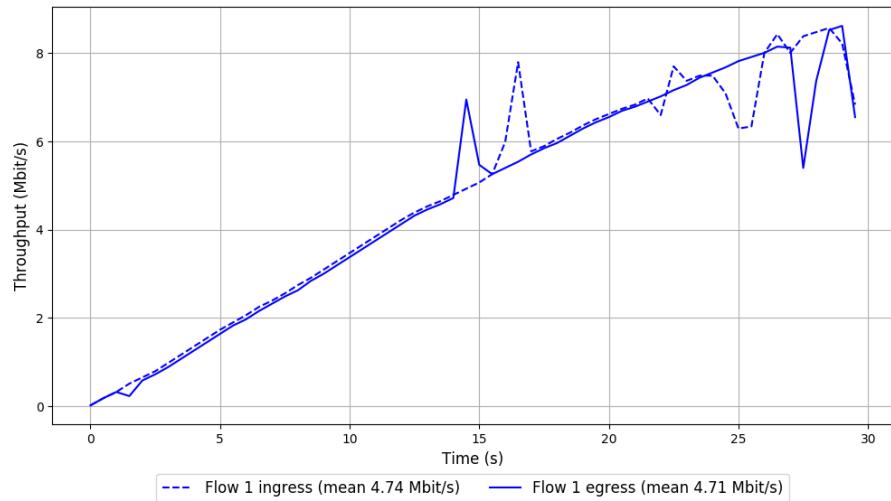


Run 10: Statistics of LEDBAT

```
Start at: Tue, 25 Jul 2017 02:23:56 +0000
End at: Tue, 25 Jul 2017 02:24:26 +0000
Local clock offset: 0.543 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:38 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 208.320 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 208.320 ms
Loss rate: 1.47%
```

Run 10: Report of LEDBAT — Data Link

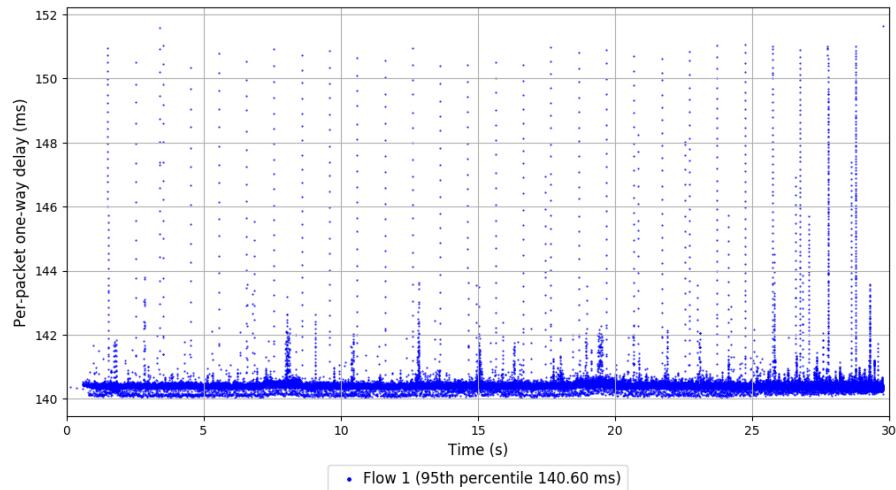
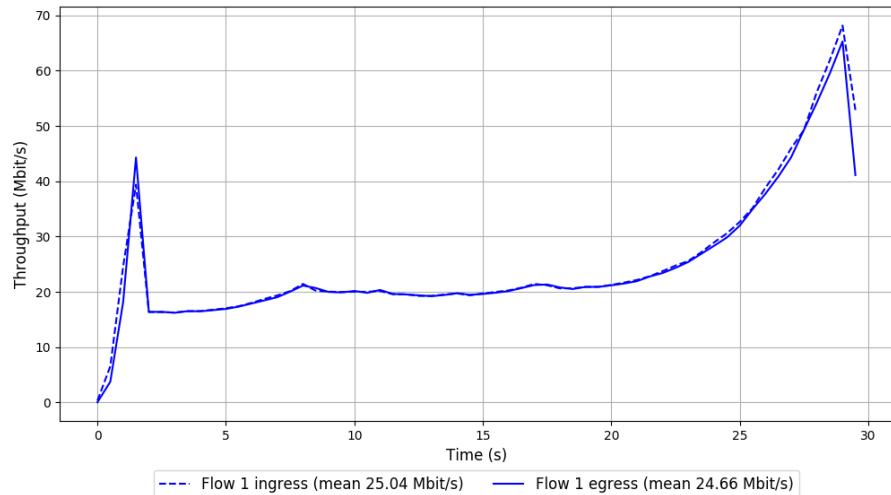


Run 1: Statistics of PCC

```
Start at: Mon, 24 Jul 2017 23:19:12 +0000
End at: Mon, 24 Jul 2017 23:19:42 +0000
Local clock offset: -0.026 ms
Remote clock offset: 7.781 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 140.602 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 24.66 Mbit/s
95th percentile per-packet one-way delay: 140.602 ms
Loss rate: 2.19%
```

Run 1: Report of PCC — Data Link

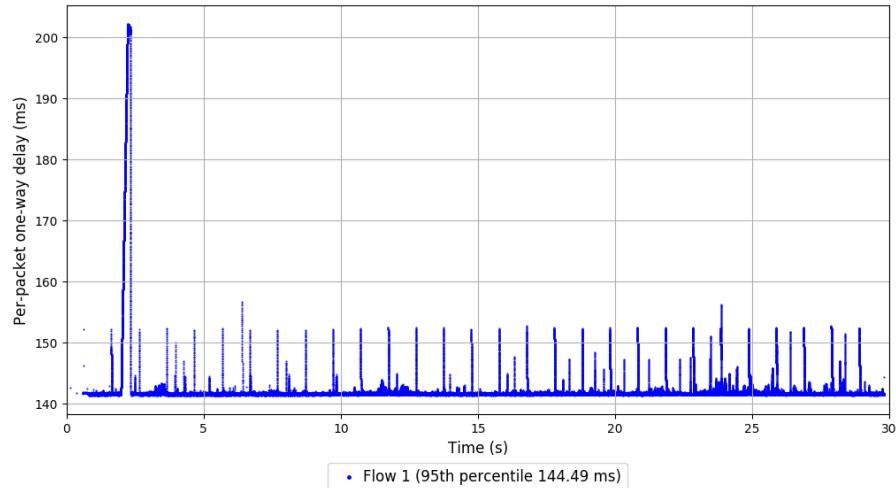
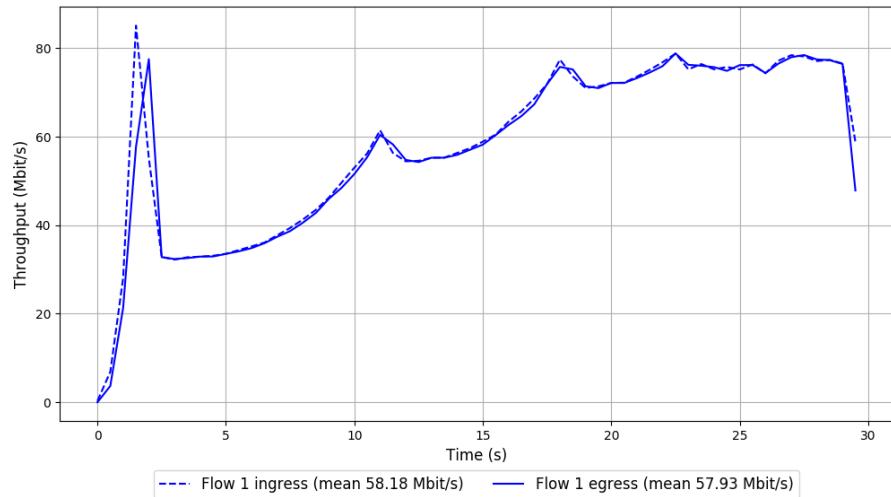


Run 2: Statistics of PCC

```
Start at: Mon, 24 Jul 2017 23:38:22 +0000
End at: Mon, 24 Jul 2017 23:38:52 +0000
Local clock offset: 1.28 ms
Remote clock offset: 6.44 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 144.491 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 144.491 ms
Loss rate: 1.11%
```

Run 2: Report of PCC — Data Link

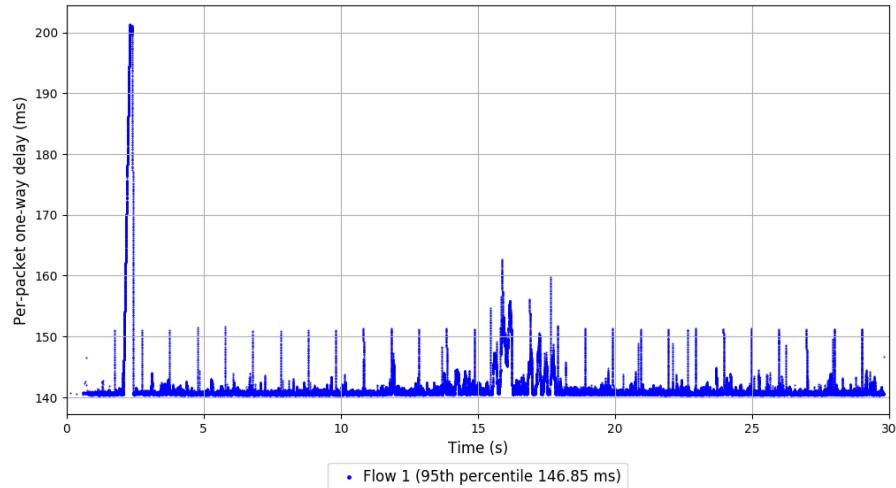
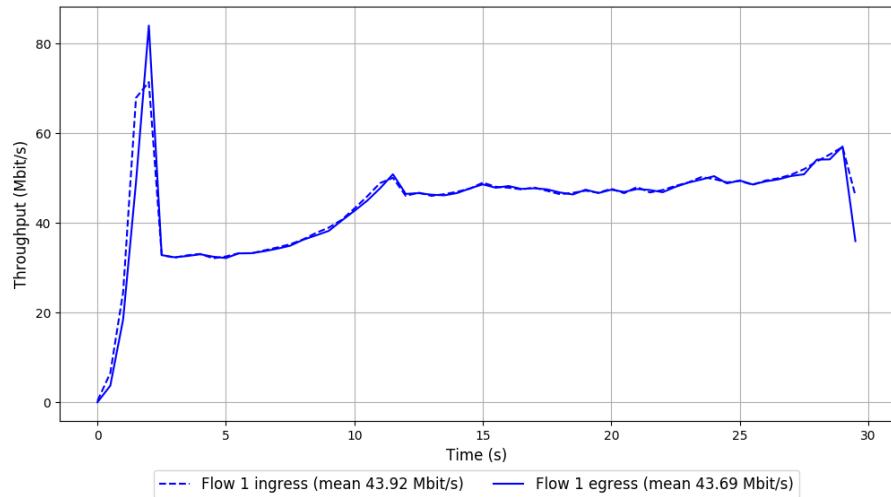


Run 3: Statistics of PCC

```
Start at: Mon, 24 Jul 2017 23:57:44 +0000
End at: Mon, 24 Jul 2017 23:58:14 +0000
Local clock offset: 0.084 ms
Remote clock offset: 5.04 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.69 Mbit/s
95th percentile per-packet one-way delay: 146.847 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 43.69 Mbit/s
95th percentile per-packet one-way delay: 146.847 ms
Loss rate: 1.24%
```

Run 3: Report of PCC — Data Link

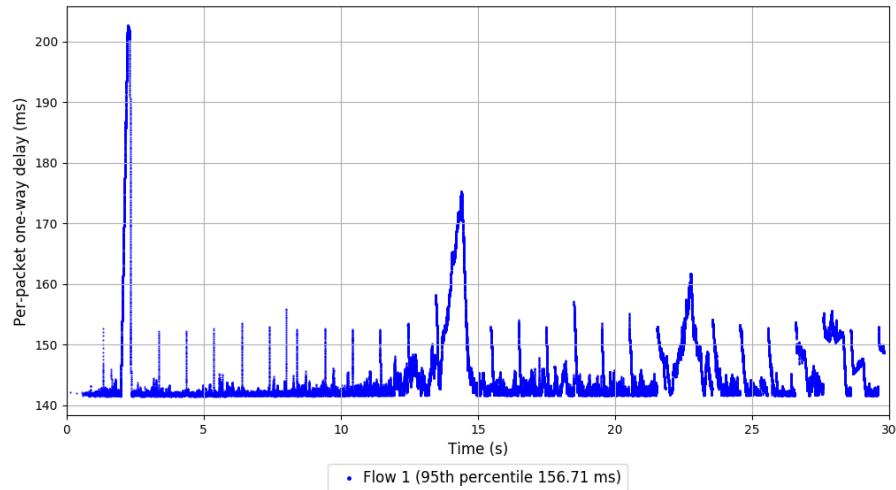
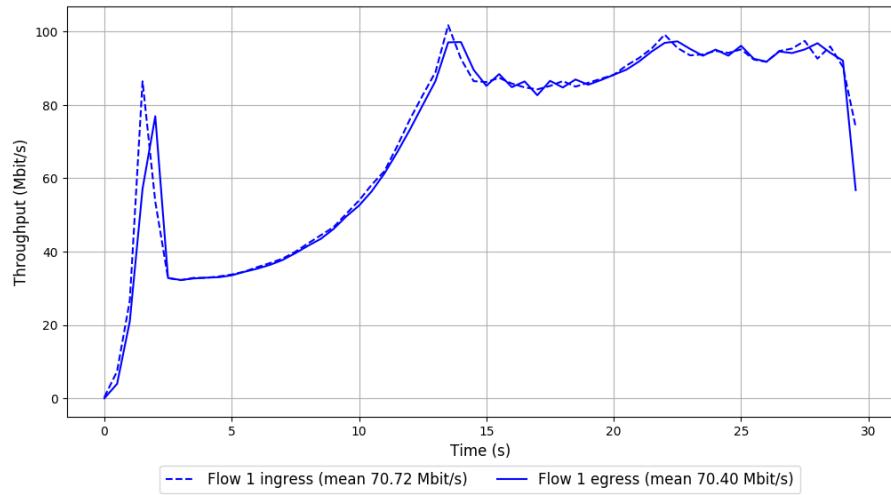


Run 4: Statistics of PCC

```
Start at: Tue, 25 Jul 2017 00:16:51 +0000
End at: Tue, 25 Jul 2017 00:17:22 +0000
Local clock offset: 1.362 ms
Remote clock offset: 0.32 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:56 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.40 Mbit/s
95th percentile per-packet one-way delay: 156.713 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 70.40 Mbit/s
95th percentile per-packet one-way delay: 156.713 ms
Loss rate: 1.16%
```

Run 4: Report of PCC — Data Link

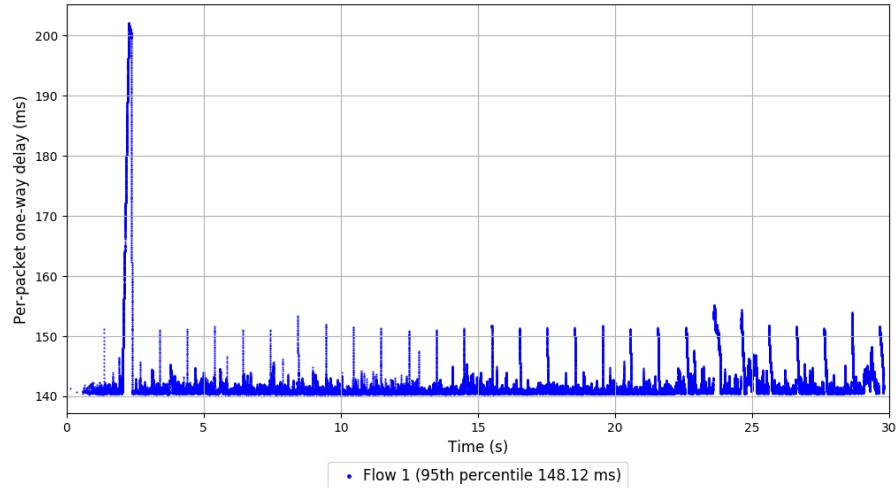
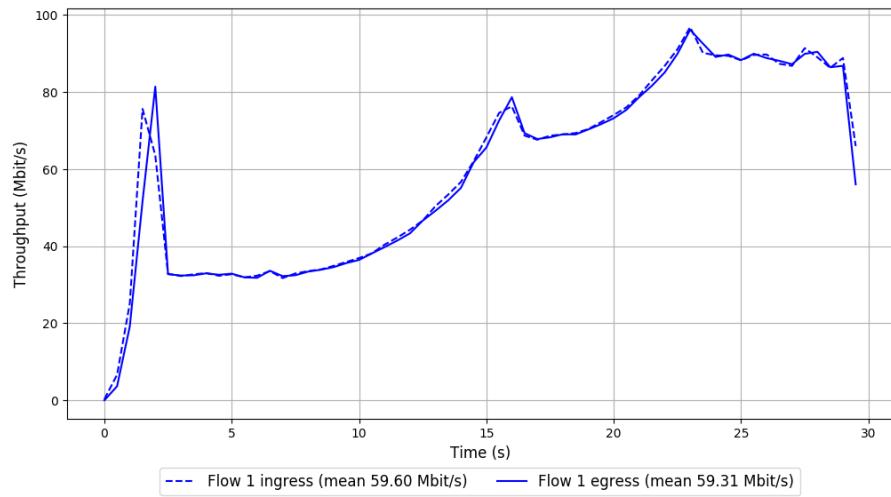


Run 5: Statistics of PCC

```
Start at: Tue, 25 Jul 2017 00:36:02 +0000
End at: Tue, 25 Jul 2017 00:36:32 +0000
Local clock offset: 0.318 ms
Remote clock offset: 0.822 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:45:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 148.121 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 59.31 Mbit/s
95th percentile per-packet one-way delay: 148.121 ms
Loss rate: 1.19%
```

Run 5: Report of PCC — Data Link

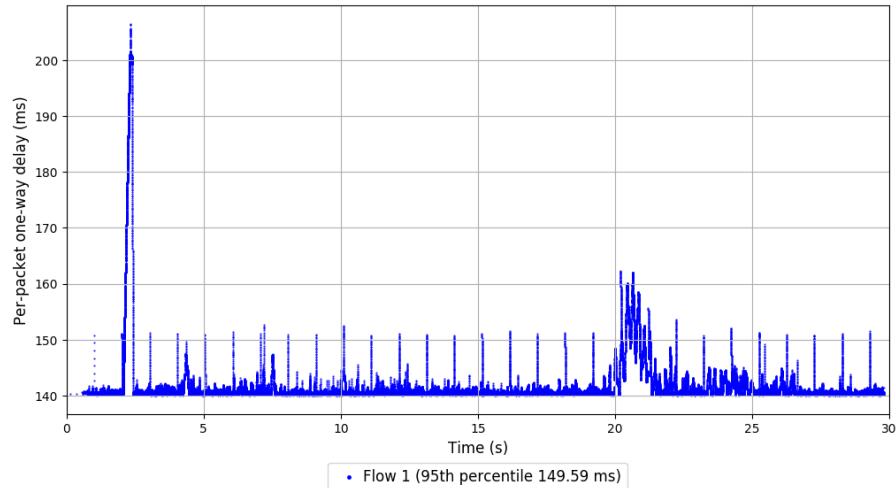
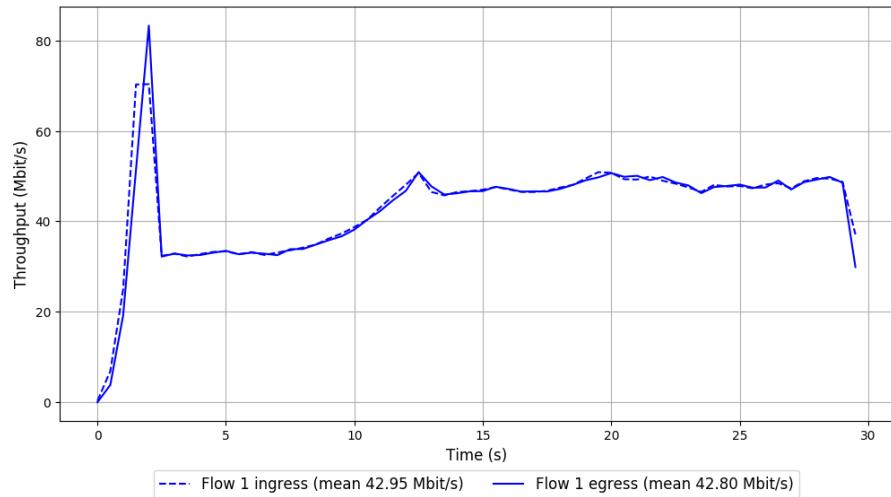


Run 6: Statistics of PCC

```
Start at: Tue, 25 Jul 2017 00:55:04 +0000
End at: Tue, 25 Jul 2017 00:55:34 +0000
Local clock offset: 0.441 ms
Remote clock offset: -0.283 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 149.593 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 149.593 ms
Loss rate: 1.05%
```

Run 6: Report of PCC — Data Link

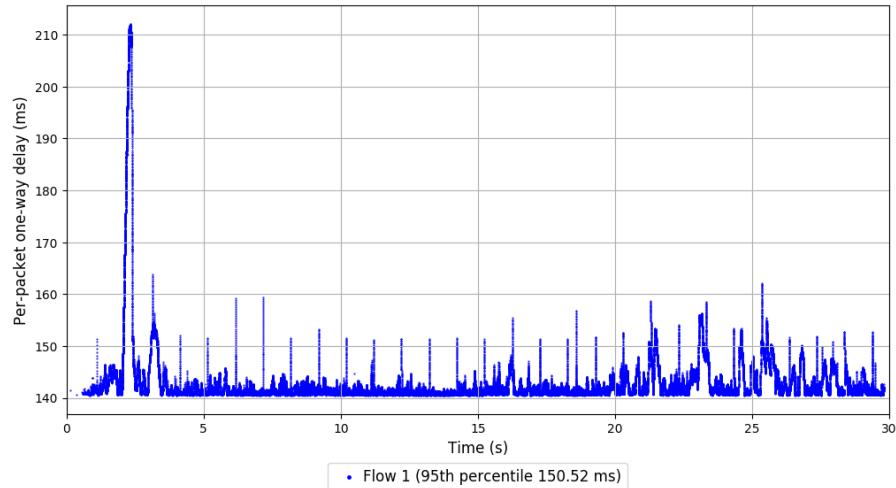
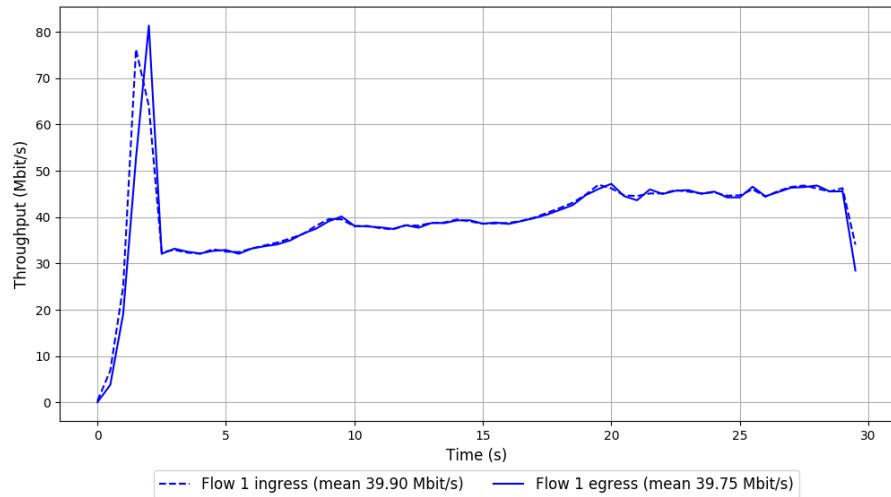


Run 7: Statistics of PCC

```
Start at: Tue, 25 Jul 2017 01:14:09 +0000
End at: Tue, 25 Jul 2017 01:14:39 +0000
Local clock offset: 0.487 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:03 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 150.519 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 39.75 Mbit/s
95th percentile per-packet one-way delay: 150.519 ms
Loss rate: 1.07%
```

Run 7: Report of PCC — Data Link

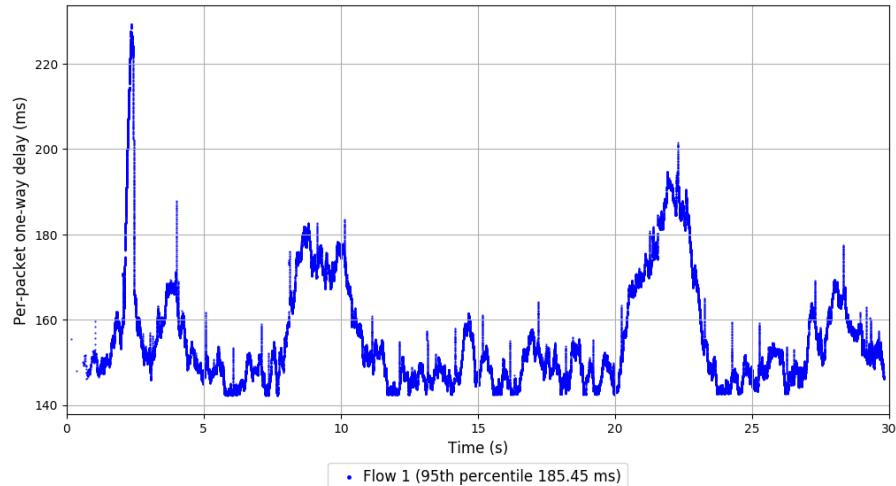
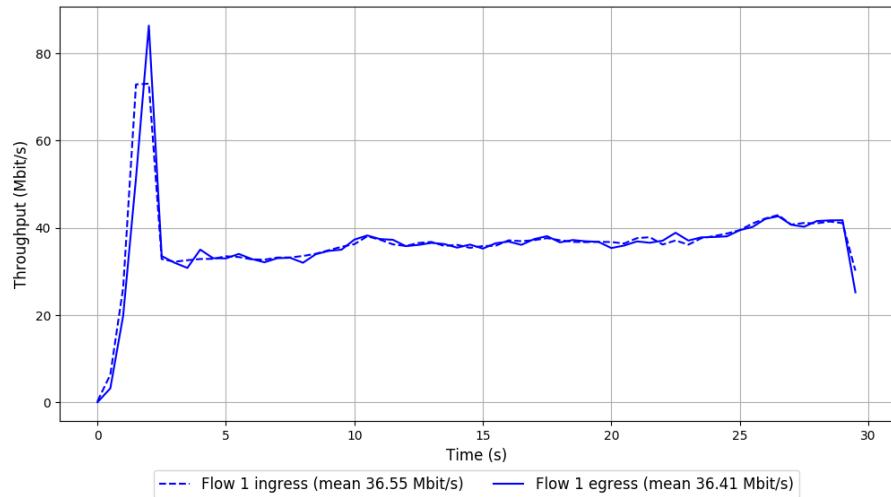


Run 8: Statistics of PCC

```
Start at: Tue, 25 Jul 2017 01:33:09 +0000
End at: Tue, 25 Jul 2017 01:33:39 +0000
Local clock offset: 1.779 ms
Remote clock offset: -7.238 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:08 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 185.451 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 36.41 Mbit/s
95th percentile per-packet one-way delay: 185.451 ms
Loss rate: 1.12%
```

Run 8: Report of PCC — Data Link

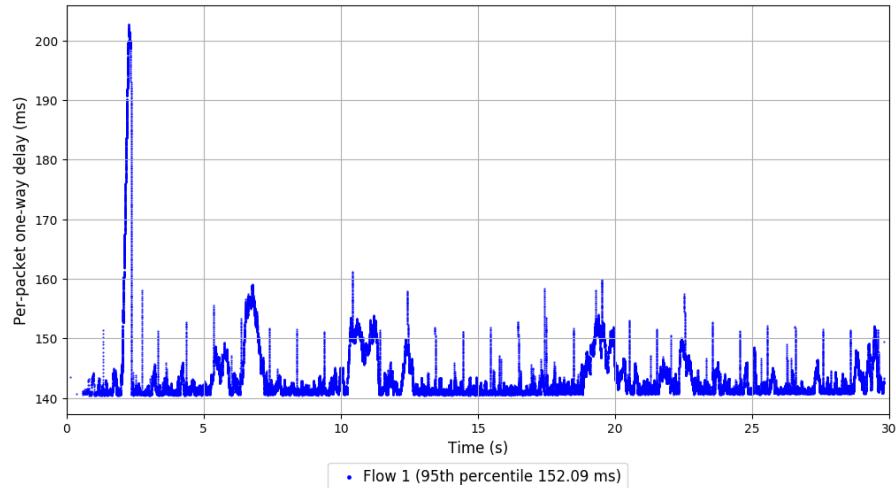
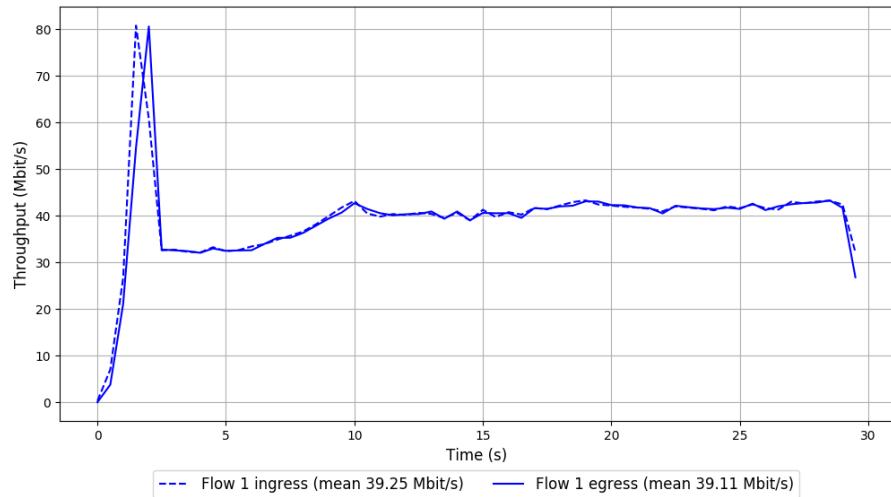


Run 9: Statistics of PCC

```
Start at: Tue, 25 Jul 2017 01:52:14 +0000
End at: Tue, 25 Jul 2017 01:52:44 +0000
Local clock offset: 0.559 ms
Remote clock offset: -0.967 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 152.089 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 39.11 Mbit/s
95th percentile per-packet one-way delay: 152.089 ms
Loss rate: 1.04%
```

Run 9: Report of PCC — Data Link

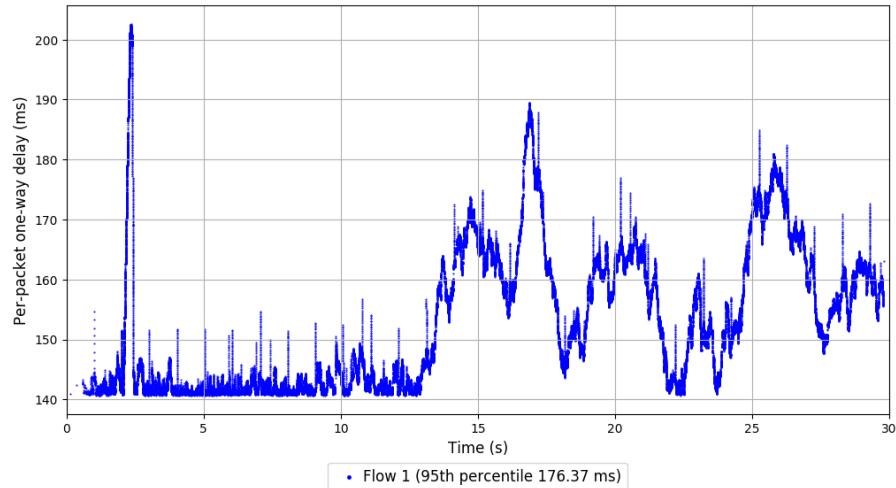
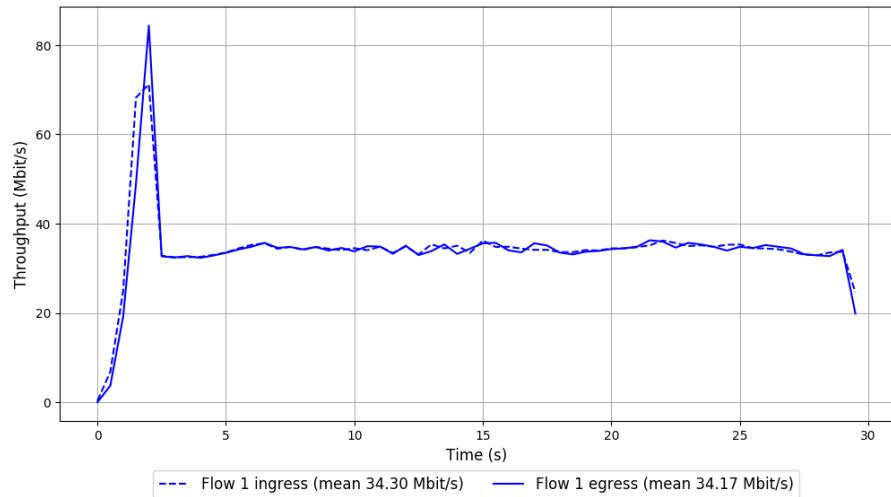


Run 10: Statistics of PCC

```
Start at: Tue, 25 Jul 2017 02:11:19 +0000
End at: Tue, 25 Jul 2017 02:11:49 +0000
Local clock offset: 0.515 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 176.367 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 34.17 Mbit/s
95th percentile per-packet one-way delay: 176.367 ms
Loss rate: 1.05%
```

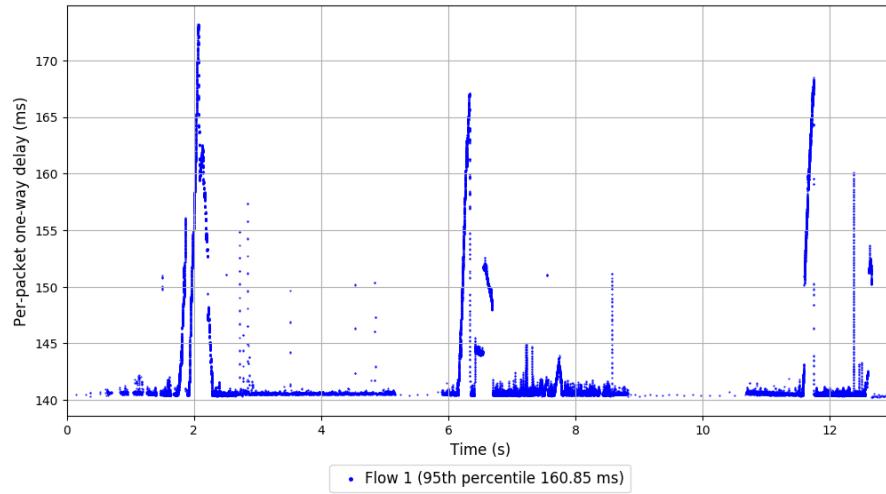
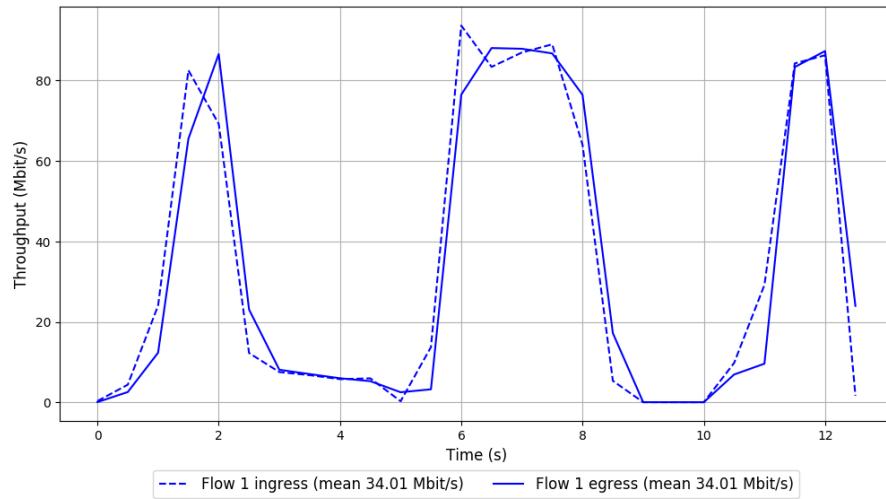
Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Mon, 24 Jul 2017 23:26:55 +0000
End at: Mon, 24 Jul 2017 23:27:25 +0000
Local clock offset: -0.001 ms
Remote clock offset: 7.338 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

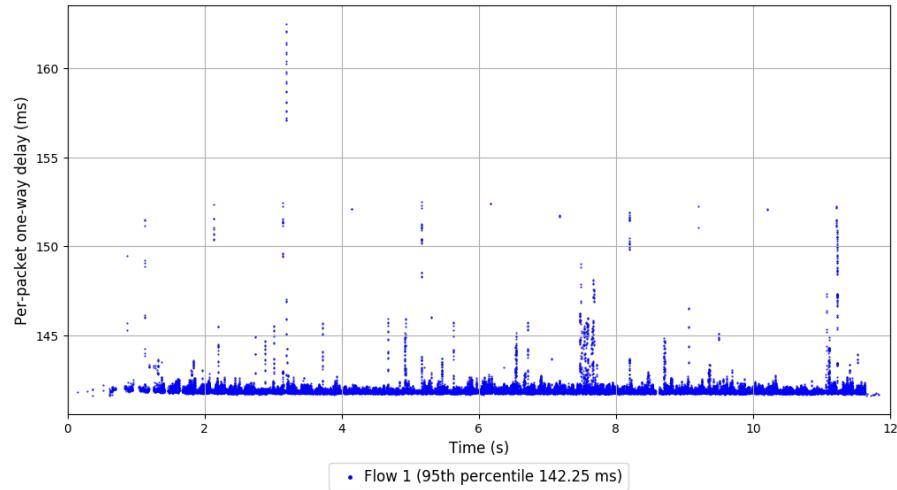
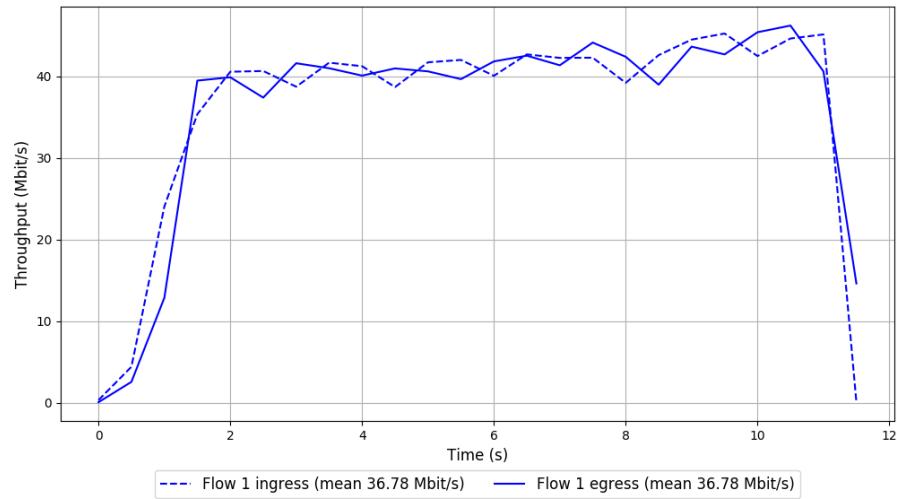
Start at: Mon, 24 Jul 2017 23:46:14 +0000

End at: Mon, 24 Jul 2017 23:46:44 +0000

Local clock offset: 1.344 ms

Remote clock offset: 5.895 ms

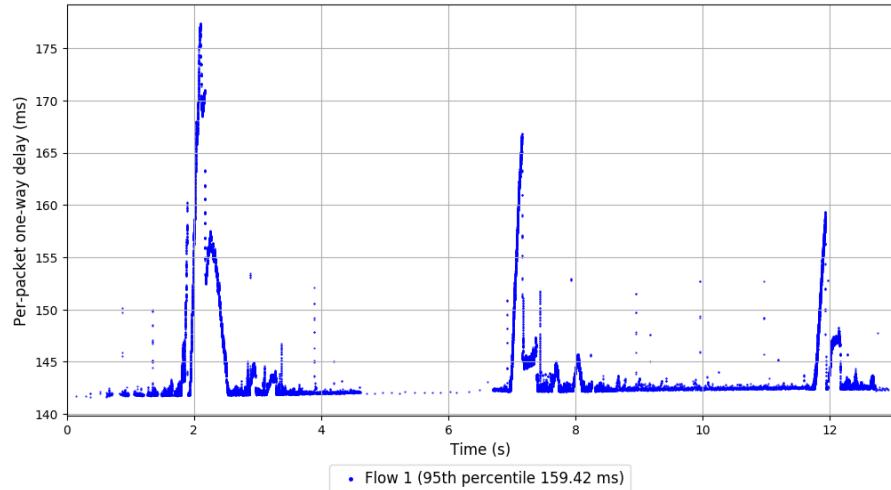
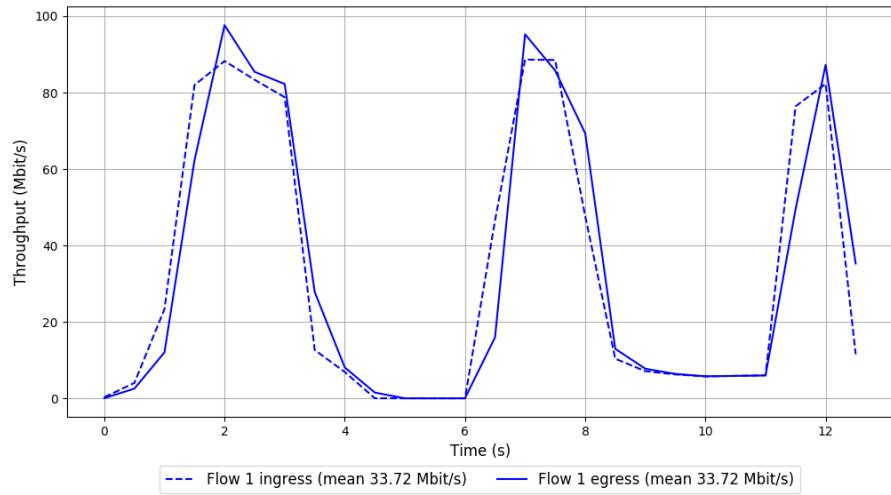
Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 00:05:26 +0000
End at: Tue, 25 Jul 2017 00:05:56 +0000
Local clock offset: 0.116 ms
Remote clock offset: -3.58 ms

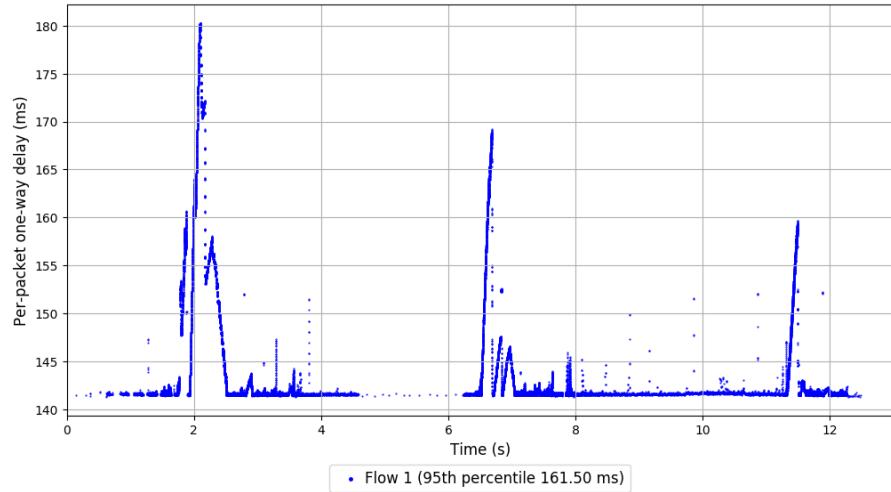
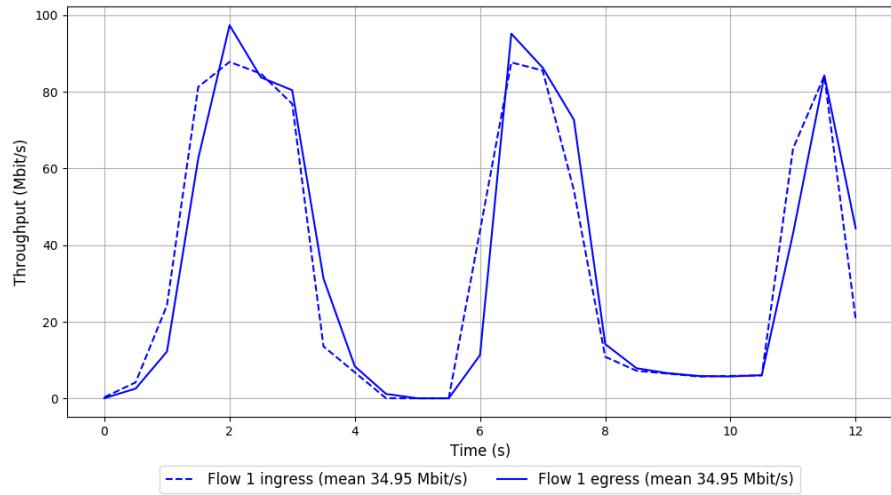
Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 00:24:38 +0000
End at: Tue, 25 Jul 2017 00:25:08 +0000
Local clock offset: 1.456 ms
Remote clock offset: 0.201 ms

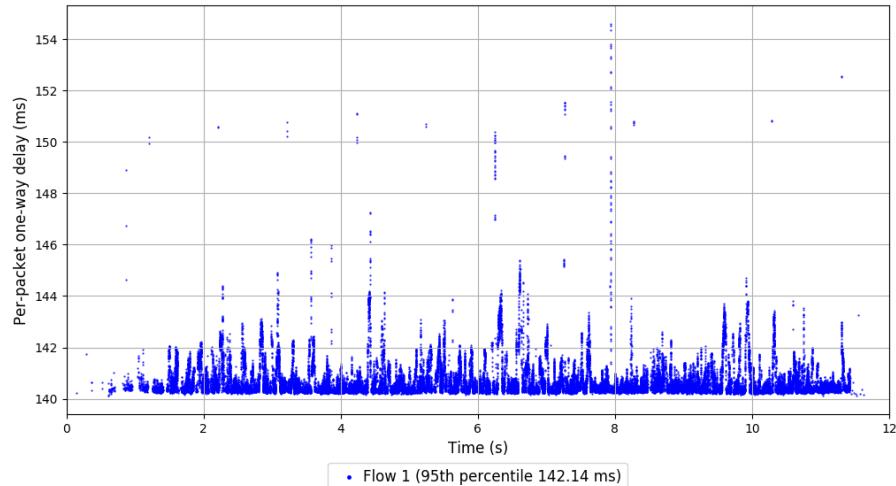
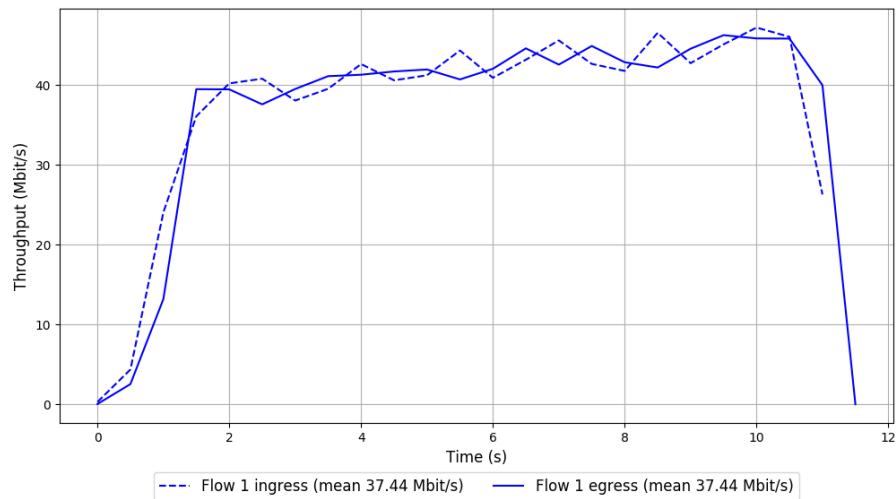
Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 00:43:47 +0000
End at: Tue, 25 Jul 2017 00:44:17 +0000
Local clock offset: 0.41 ms
Remote clock offset: 0.243 ms

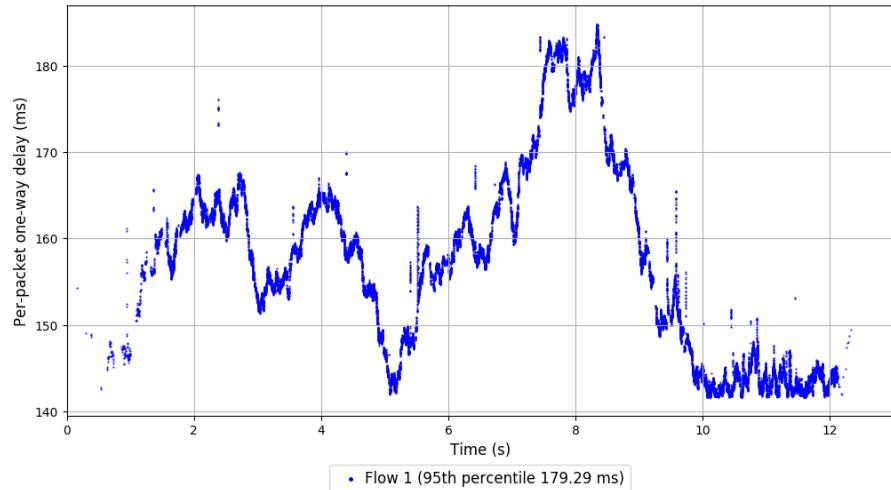
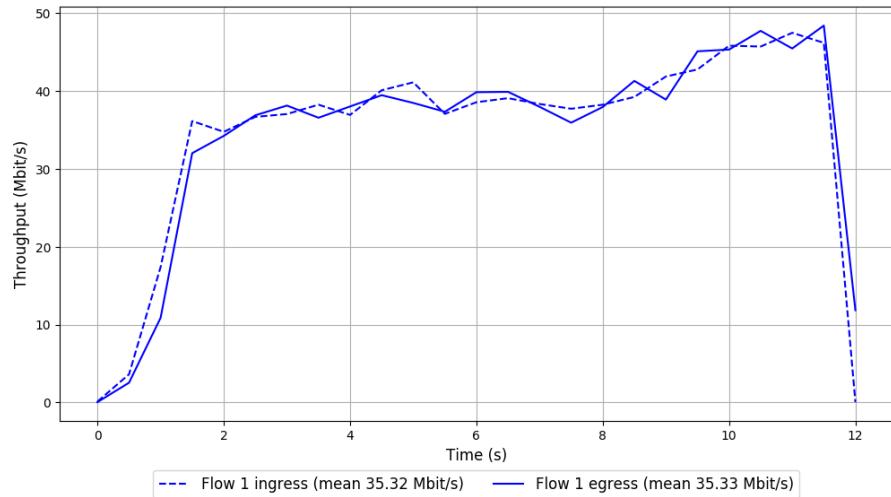
Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 01:02:50 +0000
End at: Tue, 25 Jul 2017 01:03:20 +0000
Local clock offset: 1.721 ms
Remote clock offset: -0.28 ms

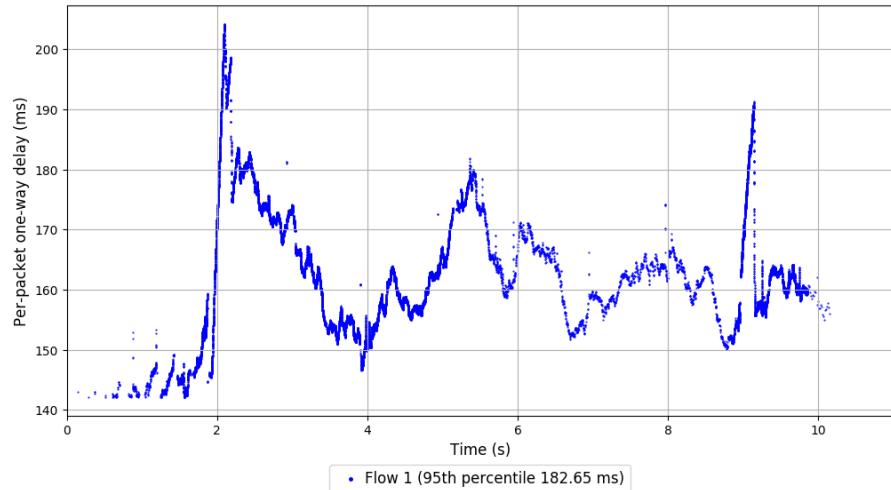
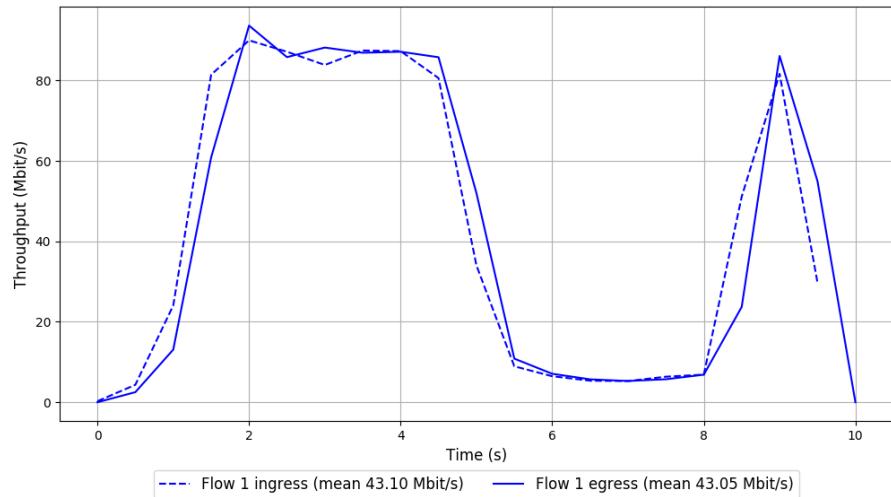
Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 01:21:51 +0000
End at: Tue, 25 Jul 2017 01:22:21 +0000
Local clock offset: 1.784 ms
Remote clock offset: -0.139 ms

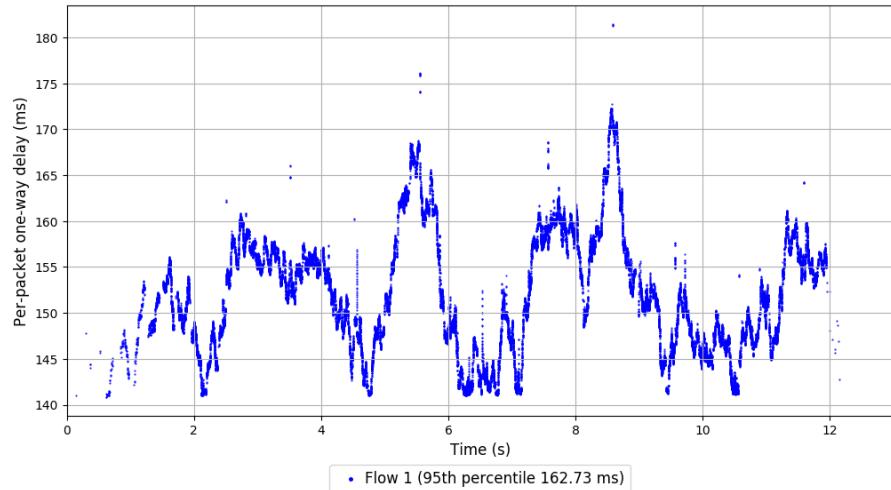
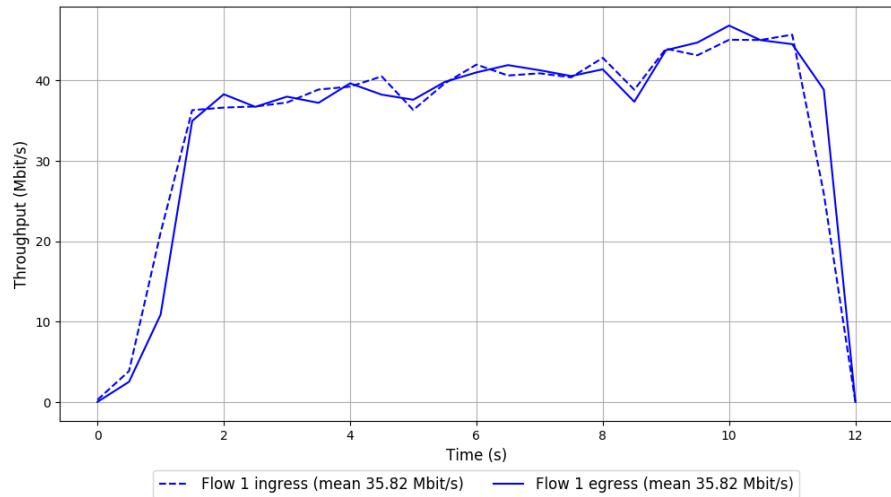
Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 01:40:52 +0000
End at: Tue, 25 Jul 2017 01:41:22 +0000
Local clock offset: 0.492 ms
Remote clock offset: 0.372 ms

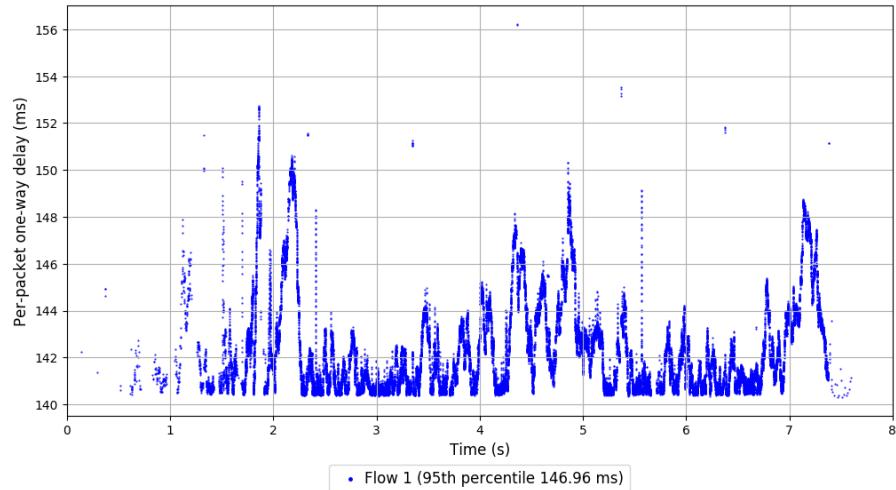
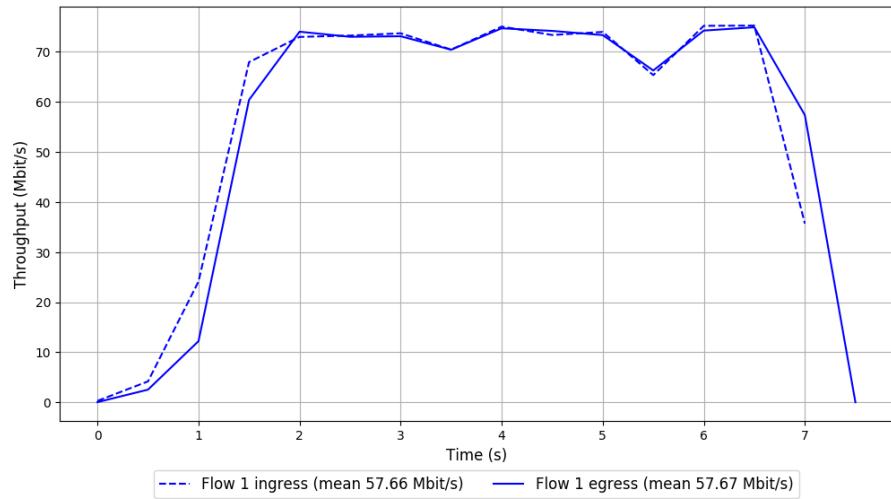
Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 01:59:58 +0000
End at: Tue, 25 Jul 2017 02:00:28 +0000
Local clock offset: 0.501 ms
Remote clock offset: -0.369 ms

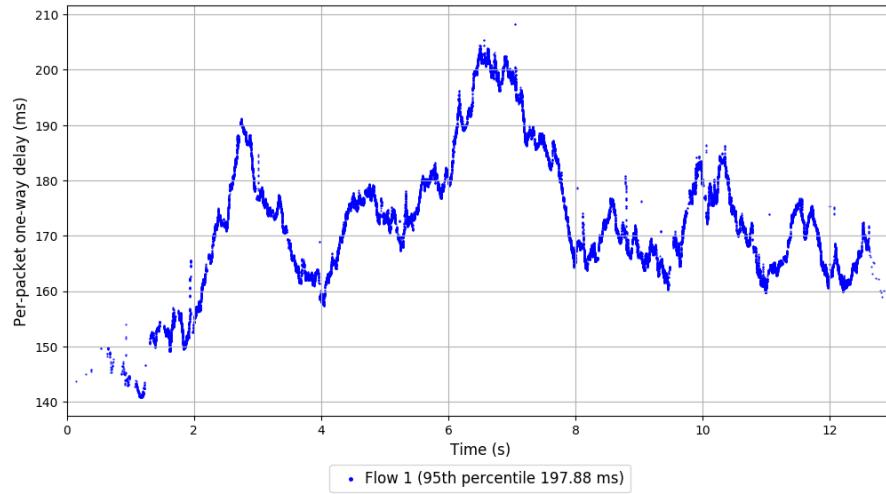
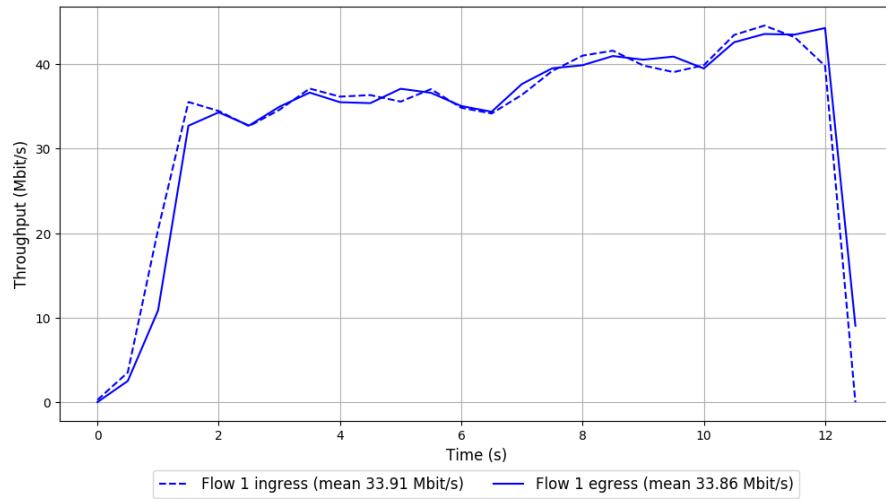
Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Tue, 25 Jul 2017 02:18:56 +0000
End at: Tue, 25 Jul 2017 02:19:26 +0000
Local clock offset: 0.526 ms
Remote clock offset: 0.058 ms

Run 10: Report of QUIC Cubic — Data Link

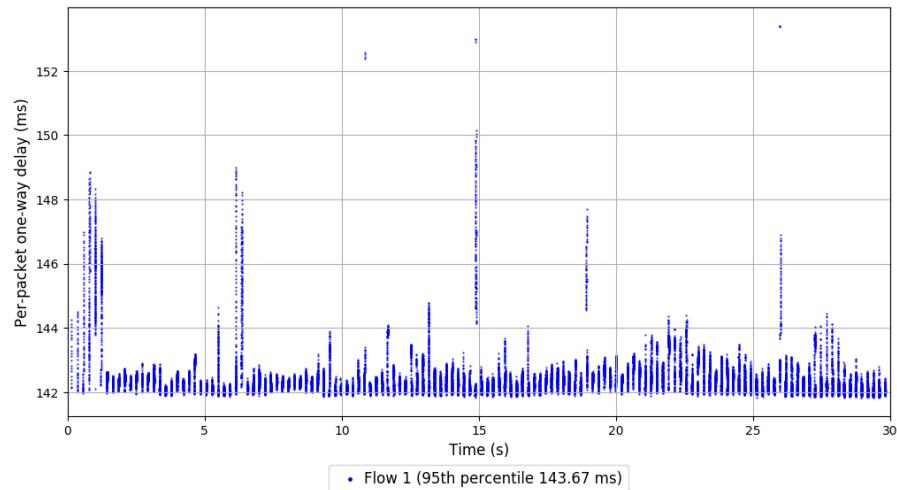
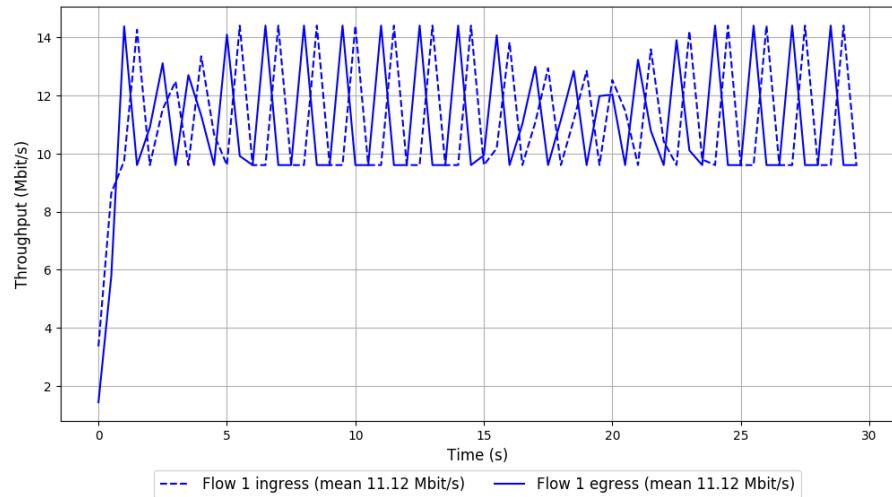


Run 1: Statistics of Saturator

```
Start at: Mon, 24 Jul 2017 23:25:40 +0000
End at: Mon, 24 Jul 2017 23:26:10 +0000
Local clock offset: 1.388 ms
Remote clock offset: 7.475 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:27 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 143.674 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 143.674 ms
Loss rate: 0.72%
```

Run 1: Report of Saturator — Data Link

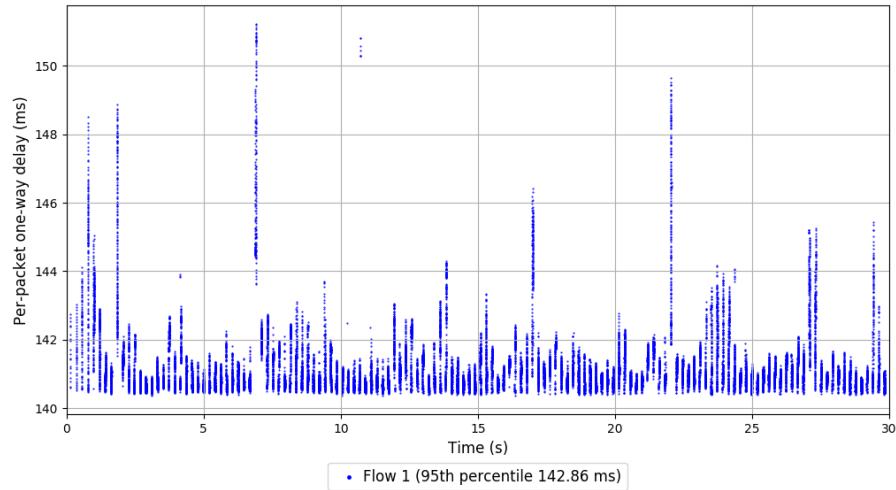
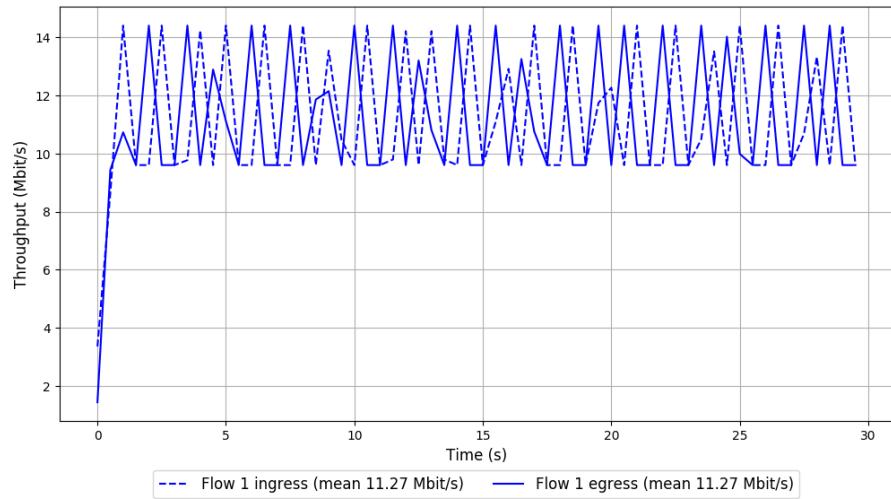


Run 2: Statistics of Saturator

```
Start at: Mon, 24 Jul 2017 23:44:54 +0000
End at: Mon, 24 Jul 2017 23:45:24 +0000
Local clock offset: 0.095 ms
Remote clock offset: 6.0 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 142.860 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 142.860 ms
Loss rate: 0.71%
```

Run 2: Report of Saturator — Data Link

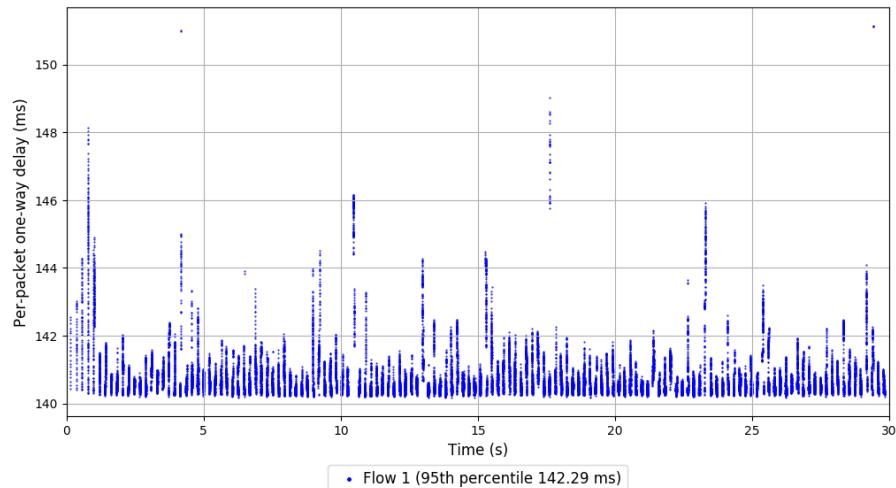
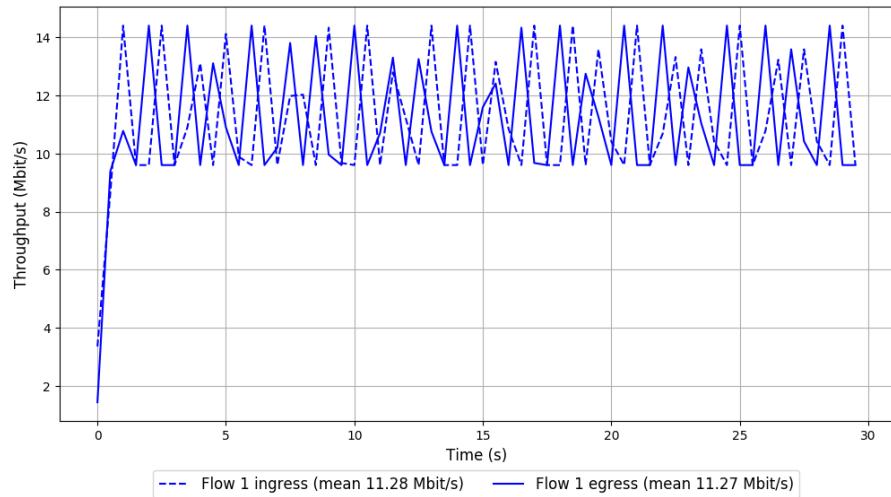


Run 3: Statistics of Saturator

```
Start at: Tue, 25 Jul 2017 00:04:11 +0000
End at: Tue, 25 Jul 2017 00:04:41 +0000
Local clock offset: 0.092 ms
Remote clock offset: -3.609 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:30 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 142.290 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 11.27 Mbit/s
95th percentile per-packet one-way delay: 142.290 ms
Loss rate: 0.71%
```

Run 3: Report of Saturator — Data Link

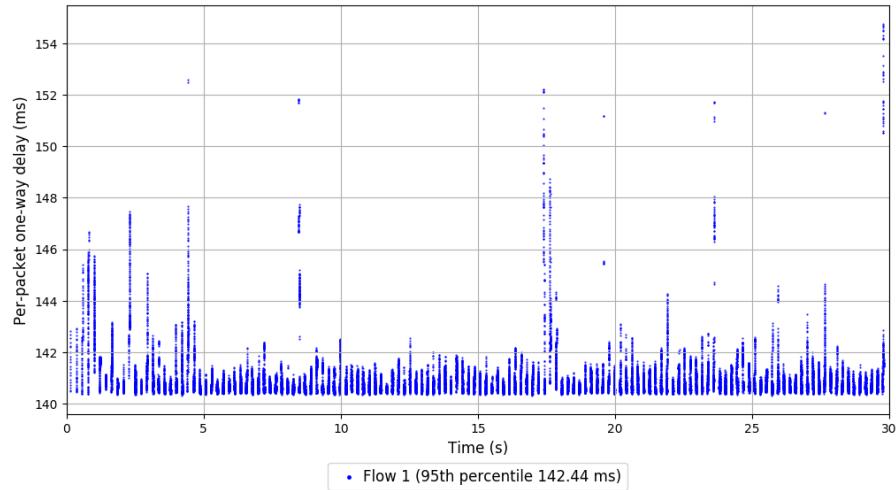
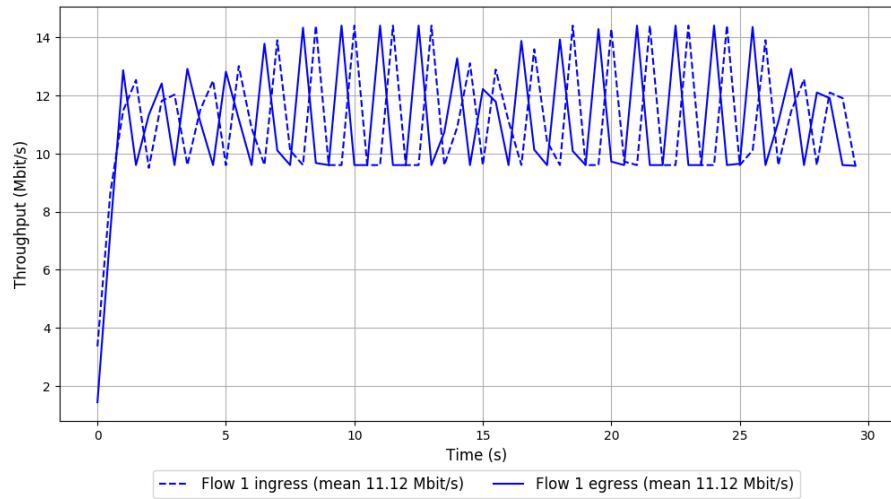


Run 4: Statistics of Saturator

```
Start at: Tue, 25 Jul 2017 00:23:23 +0000
End at: Tue, 25 Jul 2017 00:23:53 +0000
Local clock offset: 0.196 ms
Remote clock offset: 0.093 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 142.440 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 11.12 Mbit/s
95th percentile per-packet one-way delay: 142.440 ms
Loss rate: 0.72%
```

Run 4: Report of Saturator — Data Link

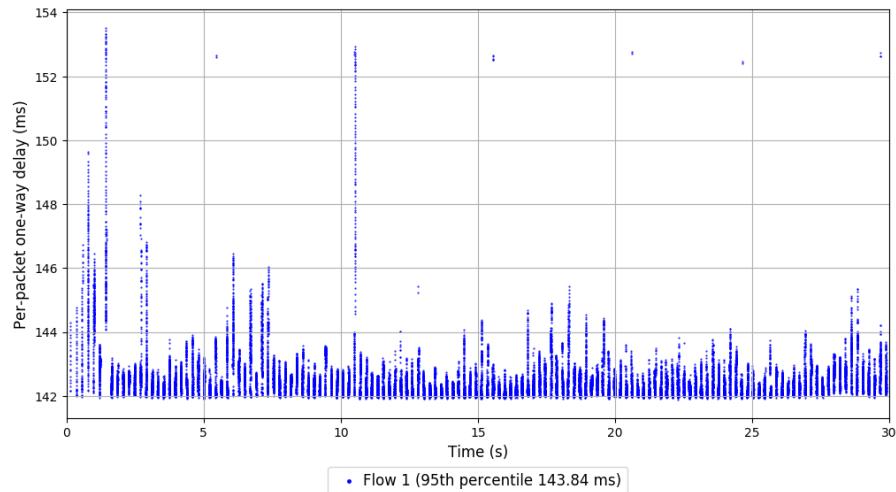
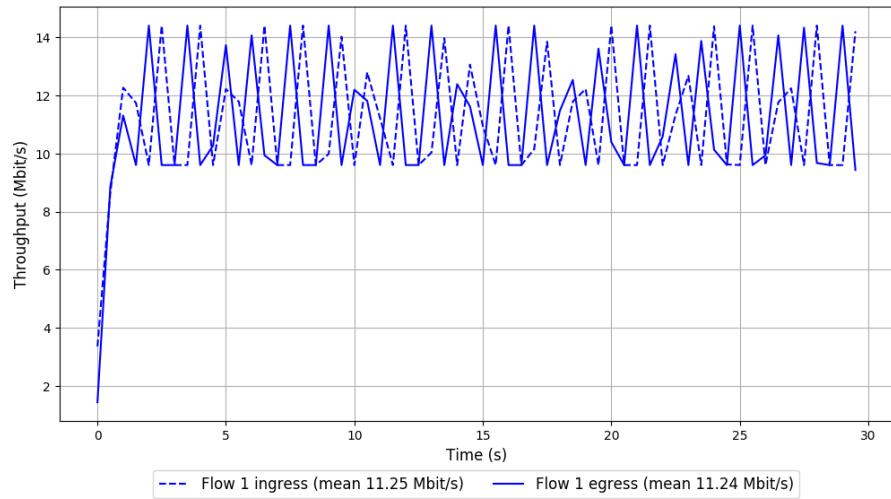


Run 5: Statistics of Saturator

```
Start at: Tue, 25 Jul 2017 00:42:32 +0000
End at: Tue, 25 Jul 2017 00:43:02 +0000
Local clock offset: 1.763 ms
Remote clock offset: 0.234 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:32 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 143.837 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 11.24 Mbit/s
95th percentile per-packet one-way delay: 143.837 ms
Loss rate: 0.71%
```

Run 5: Report of Saturator — Data Link

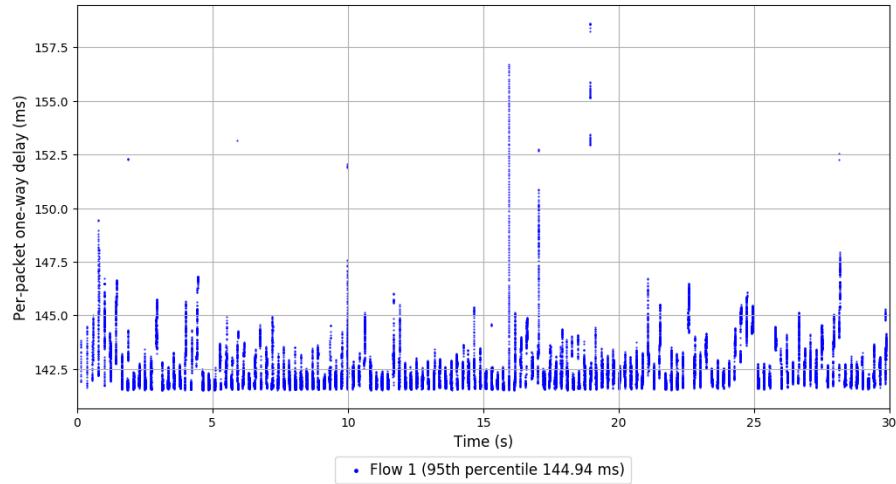
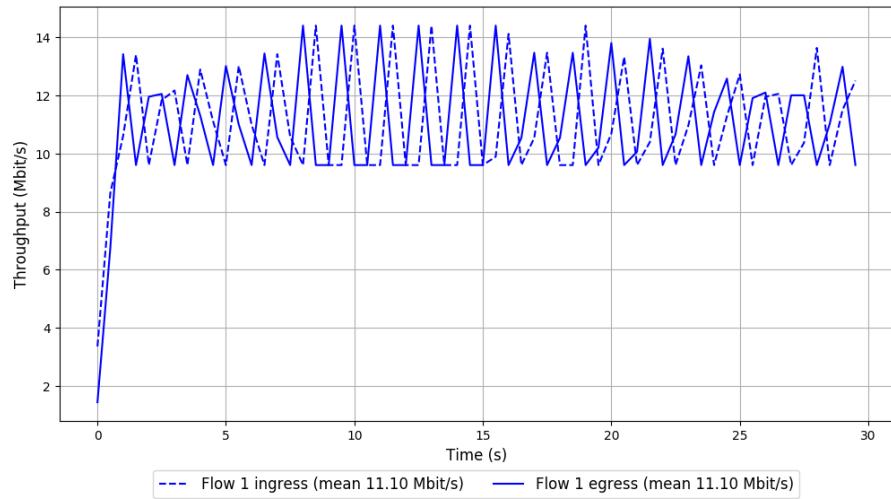


Run 6: Statistics of Saturator

```
Start at: Tue, 25 Jul 2017 01:01:35 +0000
End at: Tue, 25 Jul 2017 01:02:05 +0000
Local clock offset: 1.647 ms
Remote clock offset: -0.206 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 144.937 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 11.10 Mbit/s
95th percentile per-packet one-way delay: 144.937 ms
Loss rate: 0.72%
```

Run 6: Report of Saturator — Data Link

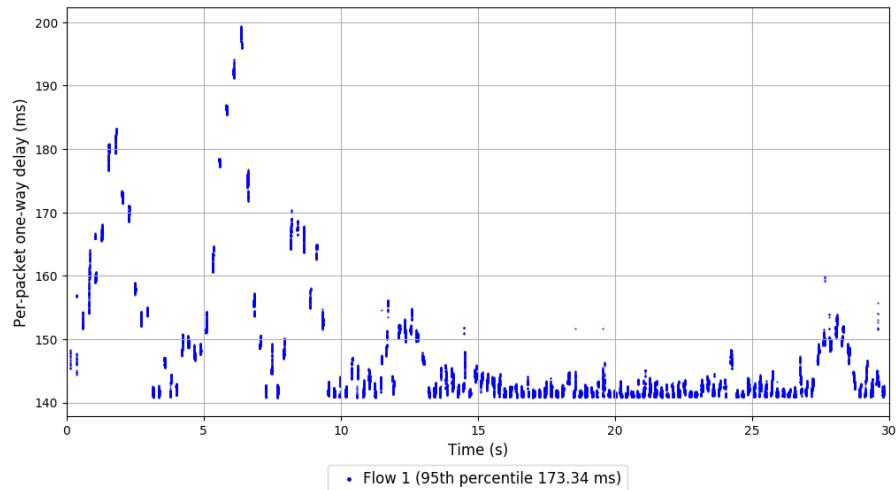
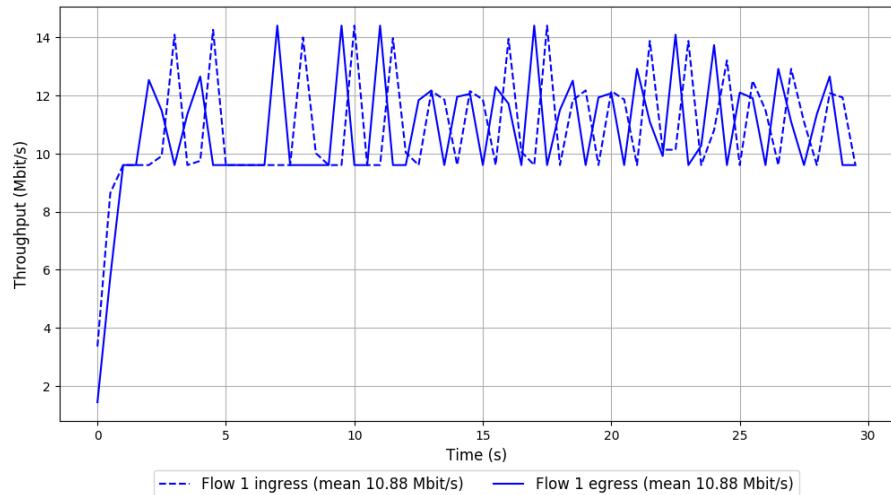


Run 7: Statistics of Saturator

```
Start at: Tue, 25 Jul 2017 01:20:35 +0000
End at: Tue, 25 Jul 2017 01:21:05 +0000
Local clock offset: 0.548 ms
Remote clock offset: -0.146 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:34 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 173.341 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 10.88 Mbit/s
95th percentile per-packet one-way delay: 173.341 ms
Loss rate: 0.74%
```

Run 7: Report of Saturator — Data Link

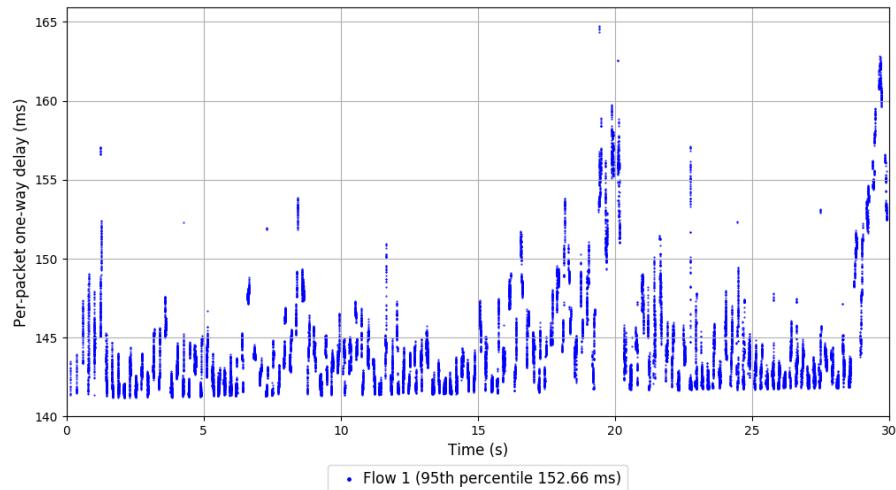
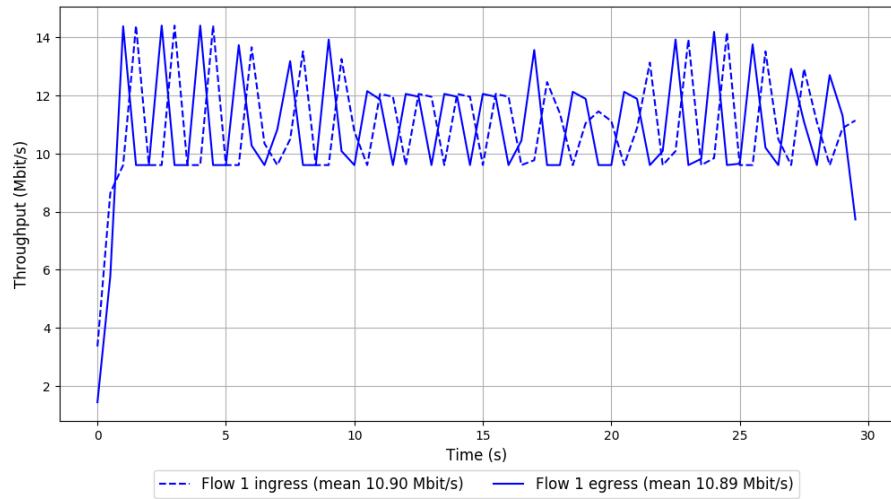


Run 8: Statistics of Saturator

```
Start at: Tue, 25 Jul 2017 01:39:37 +0000
End at: Tue, 25 Jul 2017 01:40:07 +0000
Local clock offset: 0.552 ms
Remote clock offset: -1.325 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 152.665 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 10.89 Mbit/s
95th percentile per-packet one-way delay: 152.665 ms
Loss rate: 0.72%
```

Run 8: Report of Saturator — Data Link

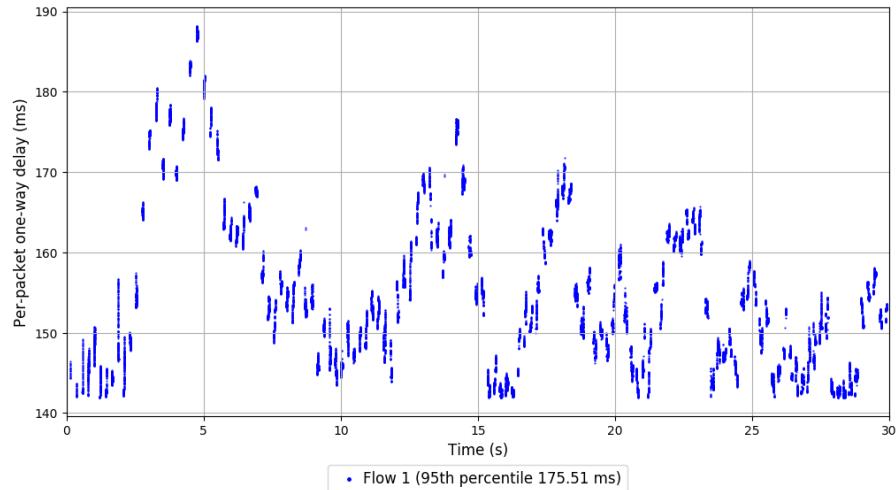
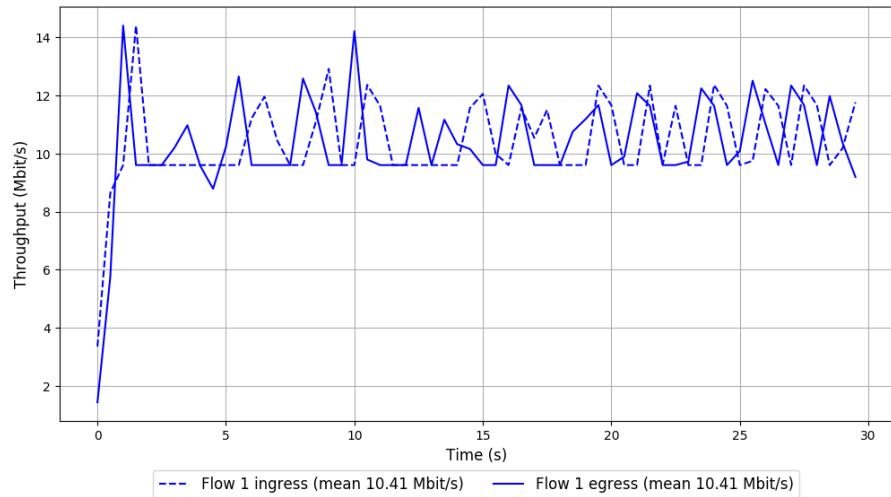


Run 9: Statistics of Saturator

```
Start at: Tue, 25 Jul 2017 01:58:43 +0000
End at: Tue, 25 Jul 2017 01:59:13 +0000
Local clock offset: 1.735 ms
Remote clock offset: -0.369 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:37 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 175.509 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 10.41 Mbit/s
95th percentile per-packet one-way delay: 175.509 ms
Loss rate: 0.77%
```

Run 9: Report of Saturator — Data Link

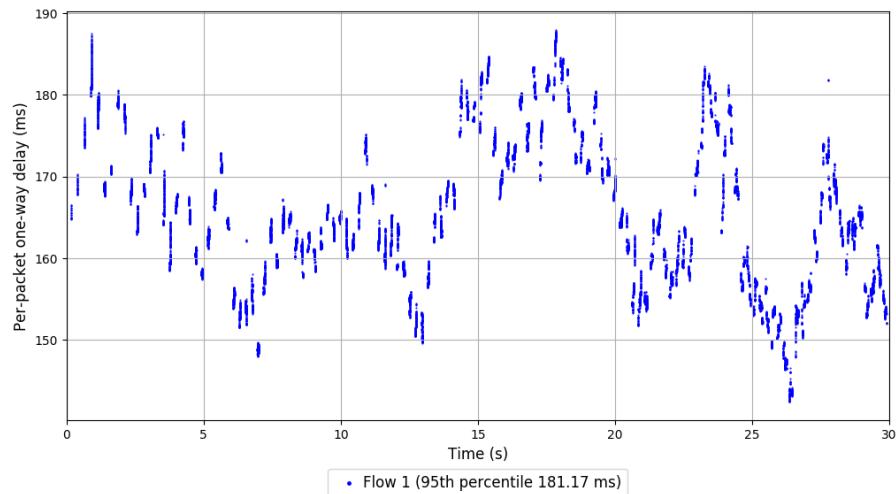
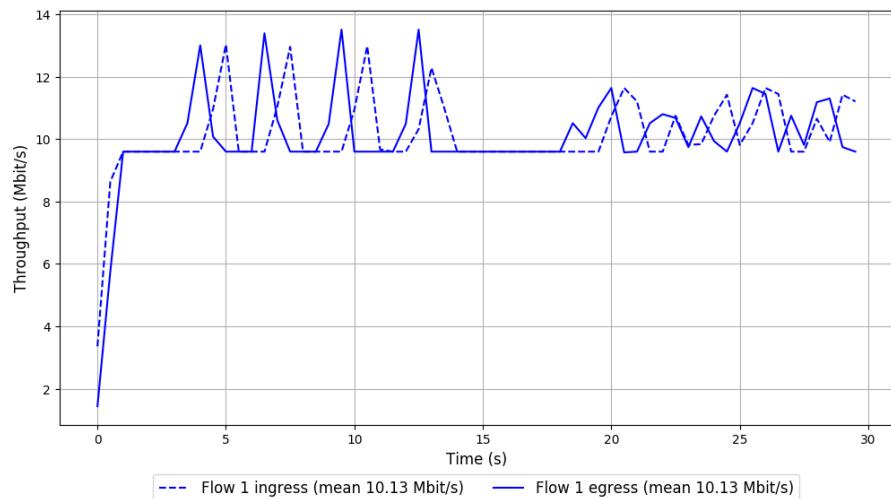


Run 10: Statistics of Saturator

```
Start at: Tue, 25 Jul 2017 02:17:41 +0000
End at: Tue, 25 Jul 2017 02:18:11 +0000
Local clock offset: 1.642 ms
Remote clock offset: 0.075 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.13 Mbit/s
95th percentile per-packet one-way delay: 181.172 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 10.13 Mbit/s
95th percentile per-packet one-way delay: 181.172 ms
Loss rate: 0.79%
```

Run 10: Report of Saturator — Data Link

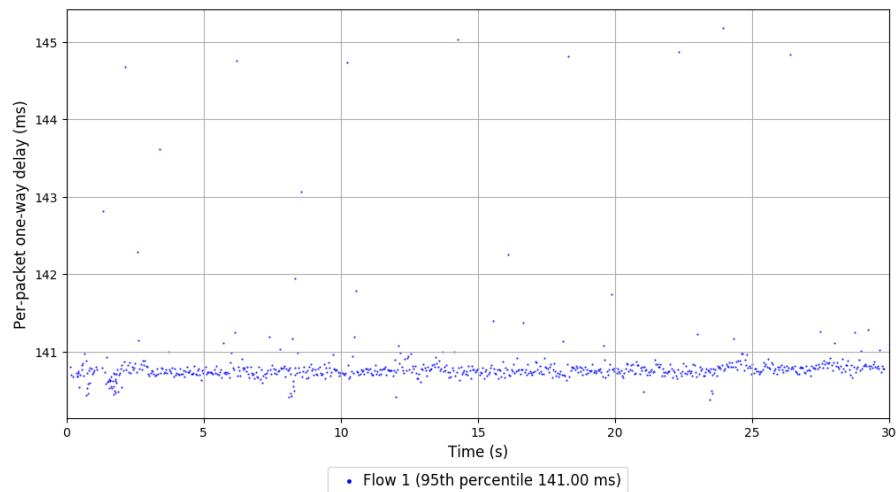
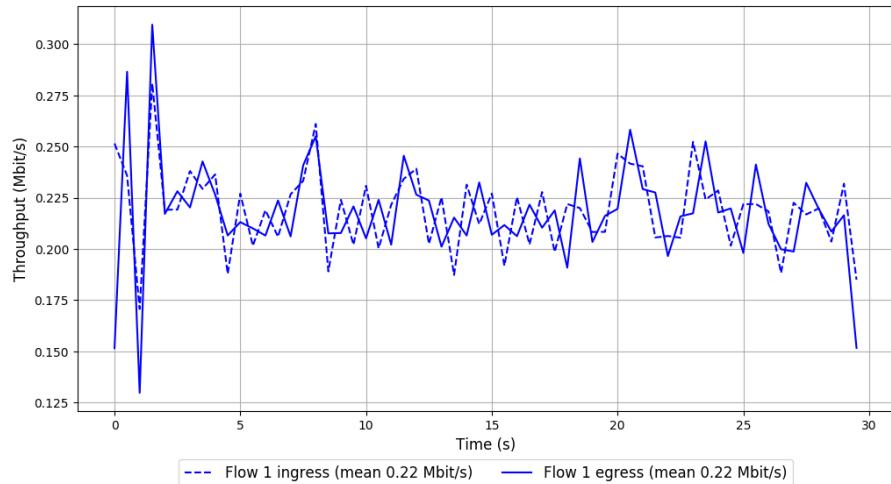


Run 1: Statistics of SCReAM

```
Start at: Mon, 24 Jul 2017 23:16:33 +0000
End at: Mon, 24 Jul 2017 23:17:03 +0000
Local clock offset: -0.034 ms
Remote clock offset: 7.711 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 140.995 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 140.995 ms
Loss rate: 0.77%
```

Run 1: Report of SCReAM — Data Link

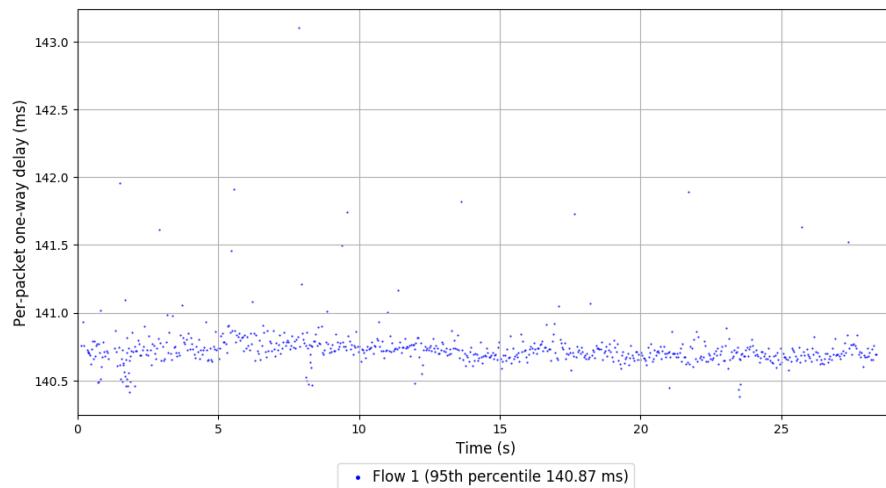
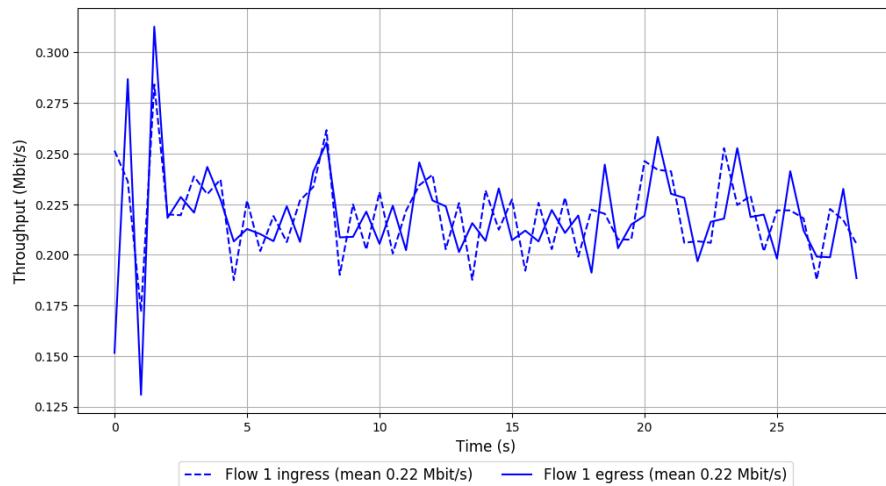


Run 2: Statistics of SCReAM

```
Start at: Mon, 24 Jul 2017 23:35:51 +0000
End at: Mon, 24 Jul 2017 23:36:21 +0000
Local clock offset: 0.068 ms
Remote clock offset: 6.628 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 140.869 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 140.869 ms
Loss rate: 0.59%
```

Run 2: Report of SCReAM — Data Link

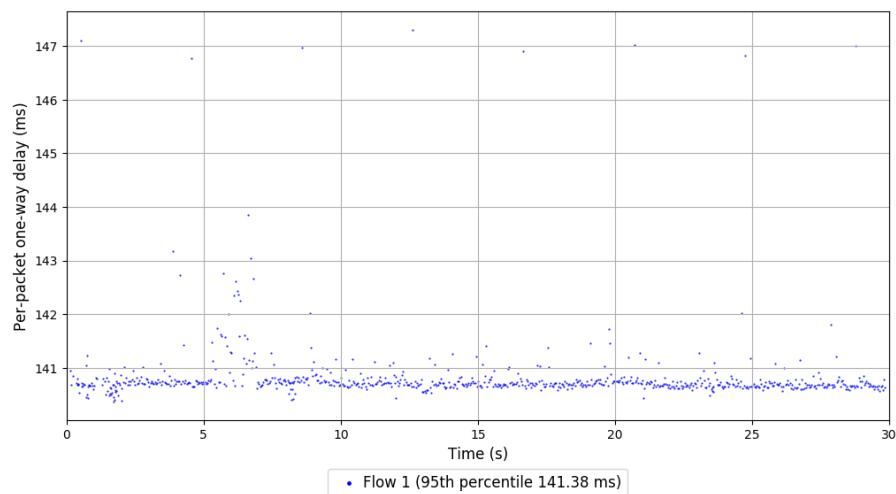
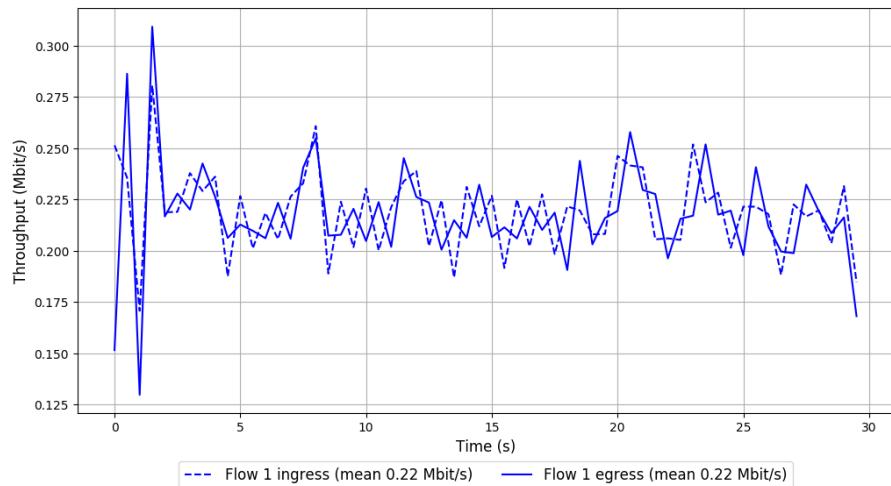


Run 3: Statistics of SCReAM

```
Start at: Mon, 24 Jul 2017 23:55:13 +0000
End at: Mon, 24 Jul 2017 23:55:43 +0000
Local clock offset: 0.09 ms
Remote clock offset: 5.22 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 141.375 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 141.375 ms
Loss rate: 0.64%
```

Run 3: Report of SCReAM — Data Link

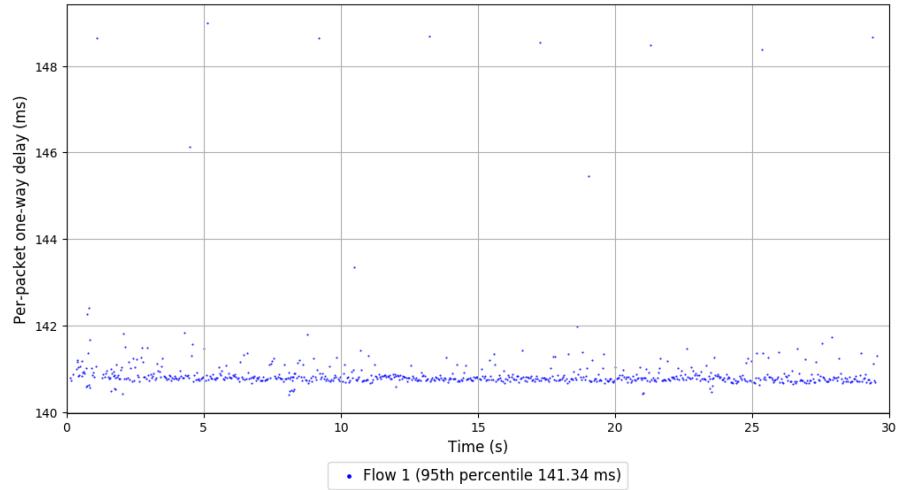
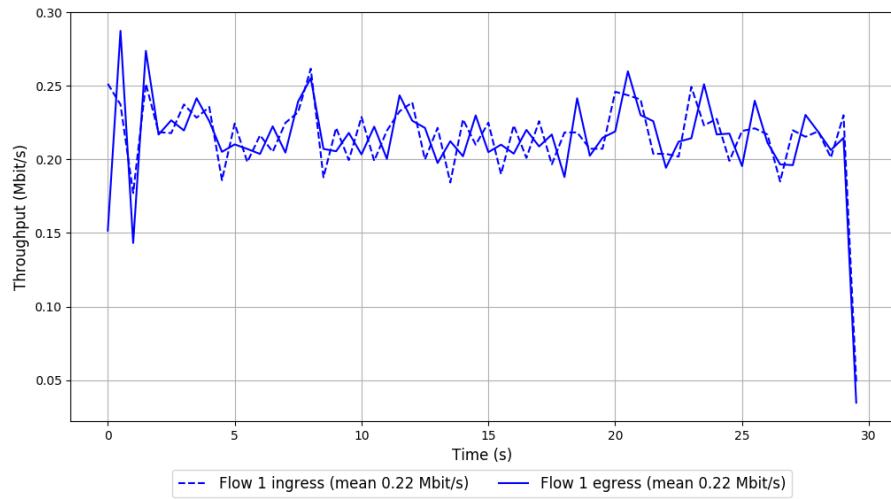


Run 4: Statistics of SCReAM

```
Start at: Tue, 25 Jul 2017 00:14:21 +0000
End at: Tue, 25 Jul 2017 00:14:51 +0000
Local clock offset: 0.129 ms
Remote clock offset: 0.551 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 141.340 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 141.340 ms
Loss rate: 0.63%
```

Run 4: Report of SCReAM — Data Link

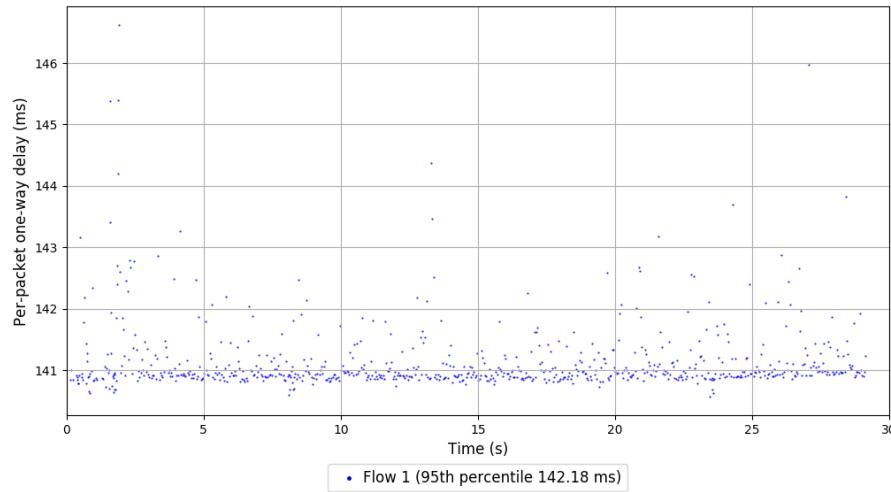
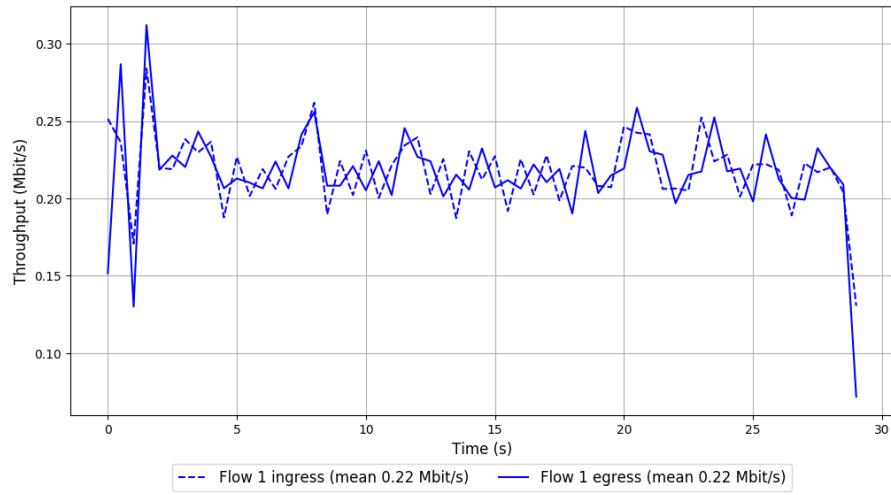


Run 5: Statistics of SCReAM

```
Start at: Tue, 25 Jul 2017 00:33:32 +0000
End at: Tue, 25 Jul 2017 00:34:02 +0000
Local clock offset: 0.342 ms
Remote clock offset: 0.7 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 142.179 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 142.179 ms
Loss rate: 0.86%
```

Run 5: Report of SCReAM — Data Link

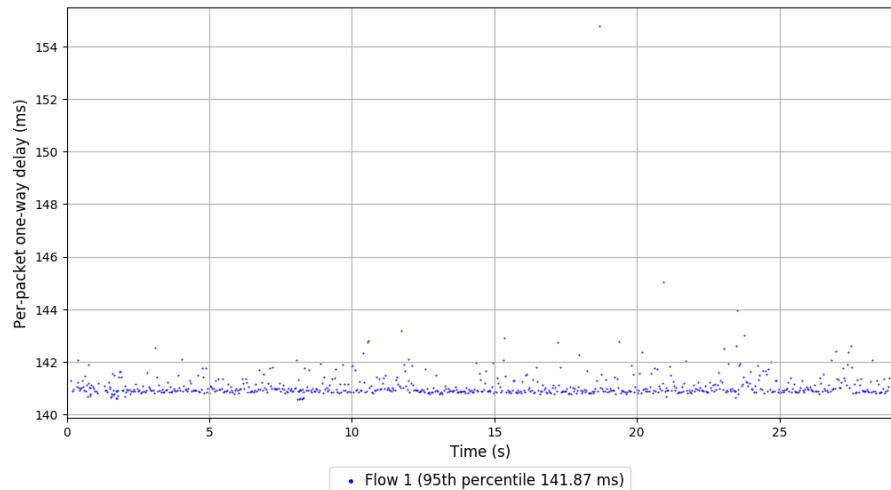
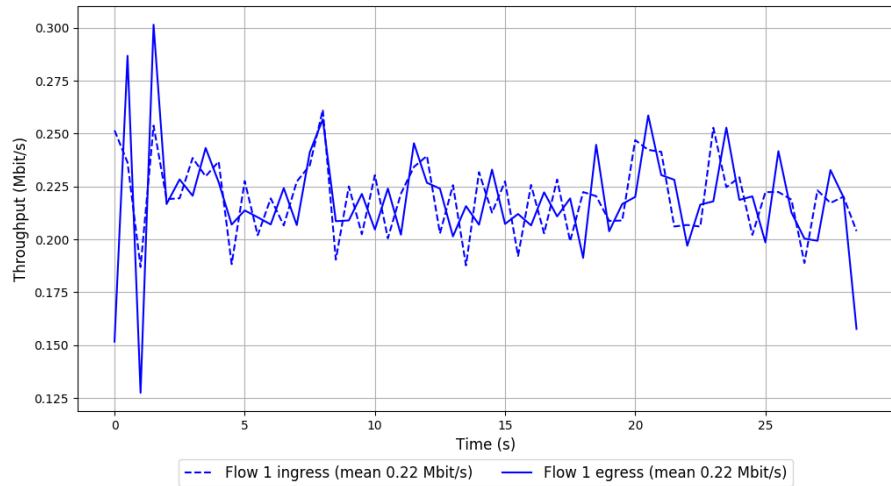


Run 6: Statistics of SCReAM

```
Start at: Tue, 25 Jul 2017 00:52:34 +0000
End at: Tue, 25 Jul 2017 00:53:04 +0000
Local clock offset: 0.482 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:41 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 141.870 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 141.870 ms
Loss rate: 0.81%
```

Run 6: Report of SCReAM — Data Link

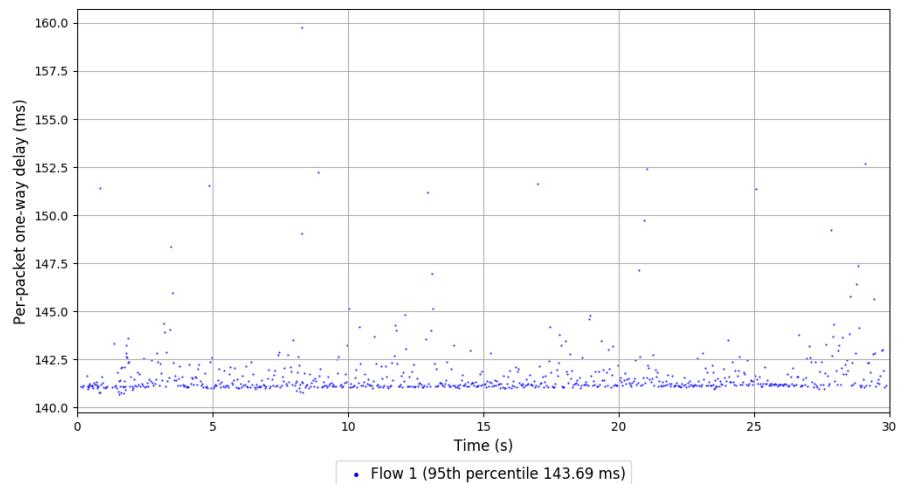
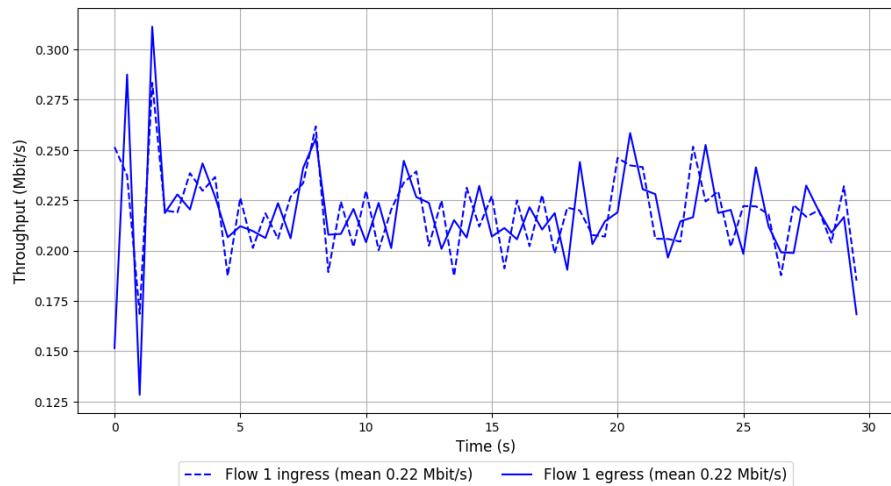


Run 7: Statistics of SCReAM

```
Start at: Tue, 25 Jul 2017 01:11:39 +0000
End at: Tue, 25 Jul 2017 01:12:09 +0000
Local clock offset: 0.499 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 143.695 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 143.695 ms
Loss rate: 0.64%
```

Run 7: Report of SCReAM — Data Link

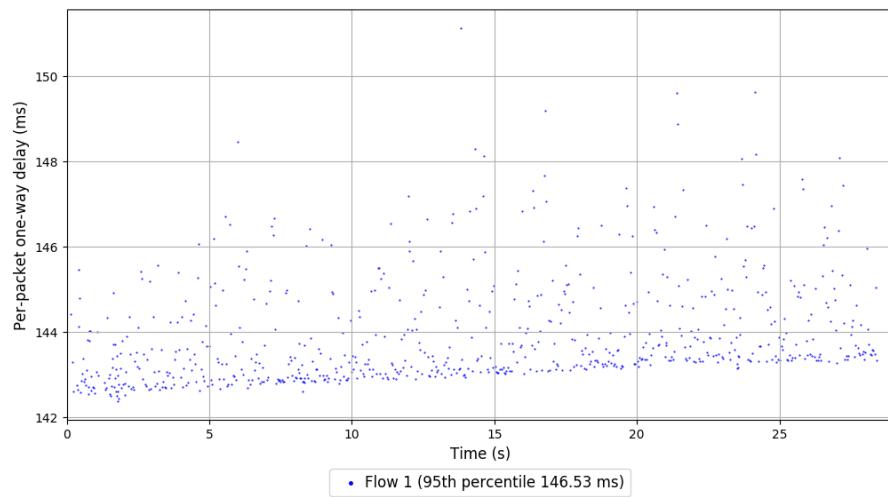
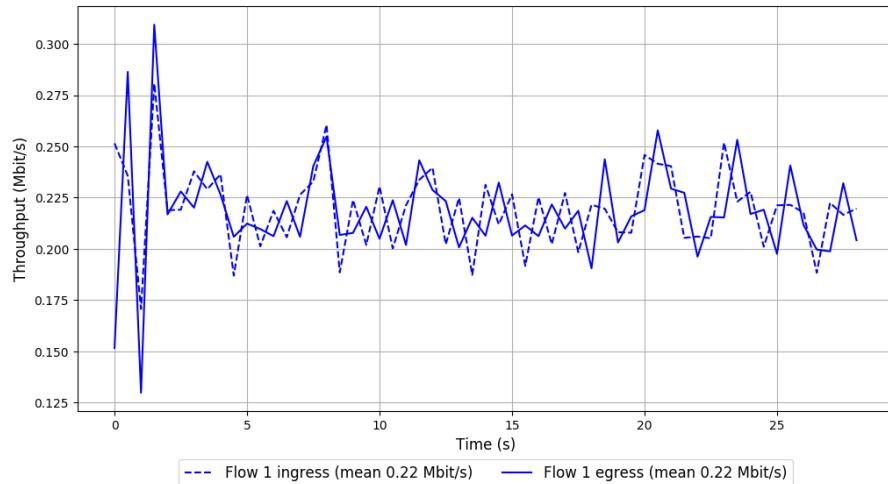


Run 8: Statistics of SCReAM

```
Start at: Tue, 25 Jul 2017 01:30:39 +0000
End at: Tue, 25 Jul 2017 01:31:09 +0000
Local clock offset: 1.799 ms
Remote clock offset: -10.874 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 146.525 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 146.525 ms
Loss rate: 0.58%
```

Run 8: Report of SCReAM — Data Link

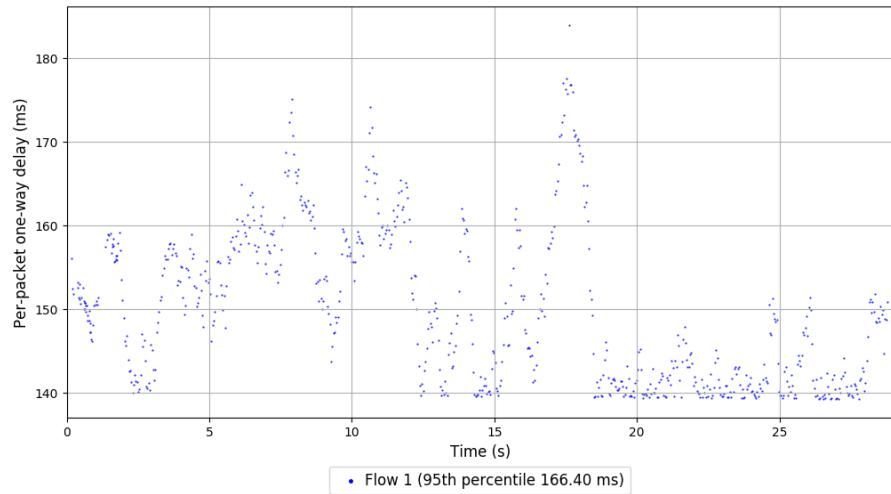
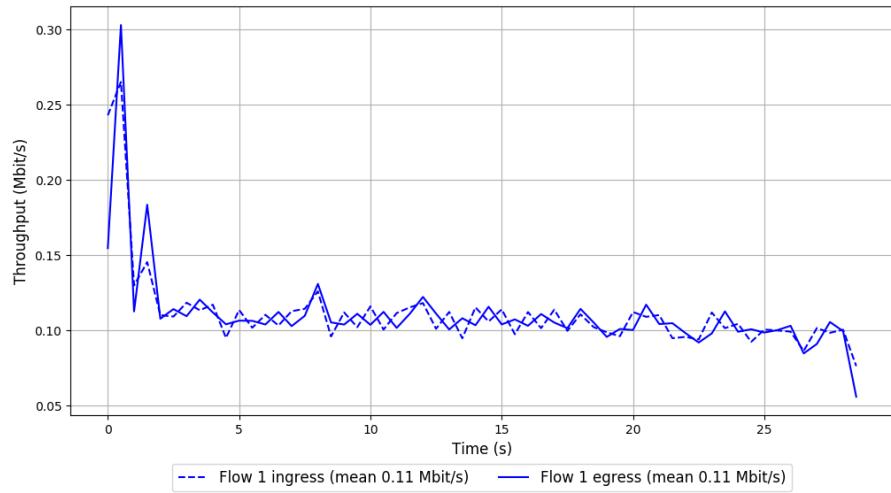


Run 9: Statistics of SCReAM

```
Start at: Tue, 25 Jul 2017 01:49:43 +0000
End at: Tue, 25 Jul 2017 01:50:13 +0000
Local clock offset: 0.561 ms
Remote clock offset: -0.475 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 166.397 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 166.397 ms
Loss rate: 0.73%
```

Run 9: Report of SCReAM — Data Link

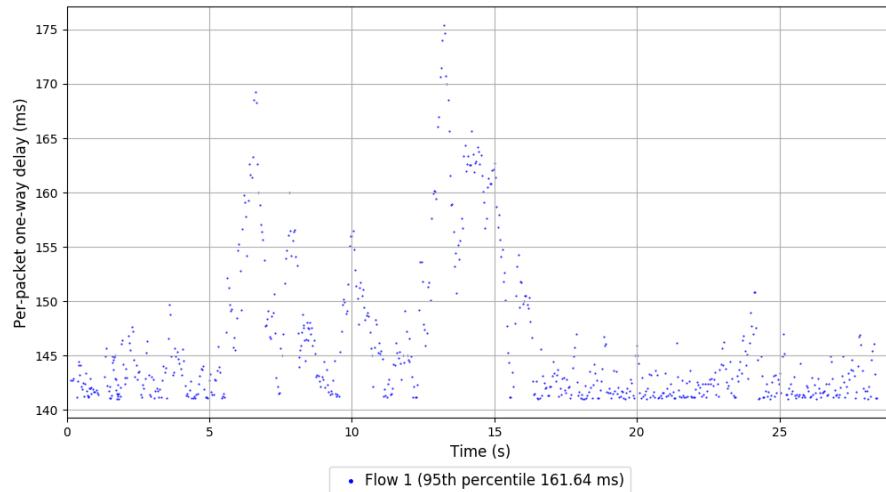
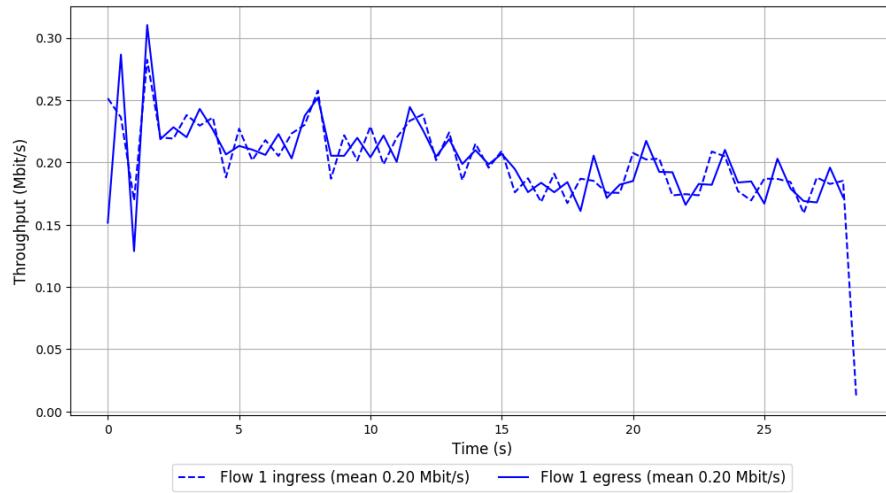


Run 10: Statistics of SCReAM

```
Start at: Tue, 25 Jul 2017 02:08:48 +0000
End at: Tue, 25 Jul 2017 02:09:18 +0000
Local clock offset: 0.535 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 161.642 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 161.642 ms
Loss rate: 0.63%
```

Run 10: Report of SCReAM — Data Link

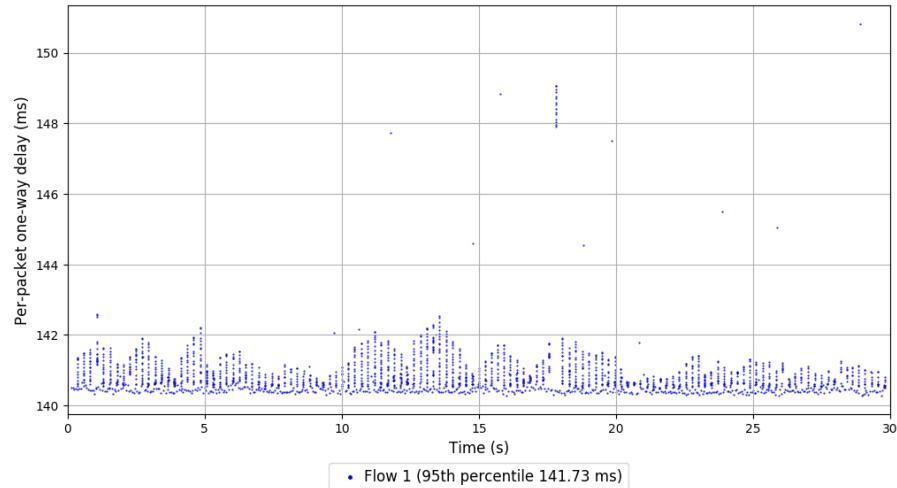
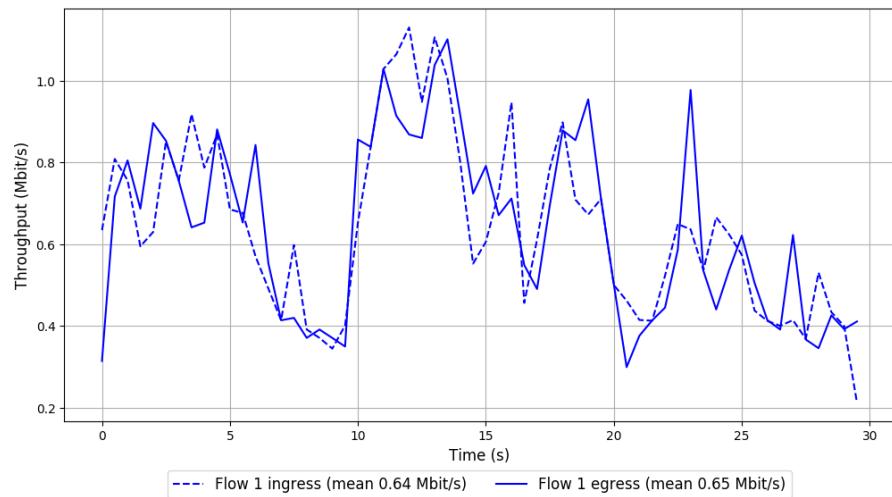


Run 1: Statistics of Sprout

```
Start at: Mon, 24 Jul 2017 23:23:05 +0000
End at: Mon, 24 Jul 2017 23:23:35 +0000
Local clock offset: 0.056 ms
Remote clock offset: 7.822 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 141.729 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 141.729 ms
Loss rate: 0.02%
```

Run 1: Report of Sprout — Data Link

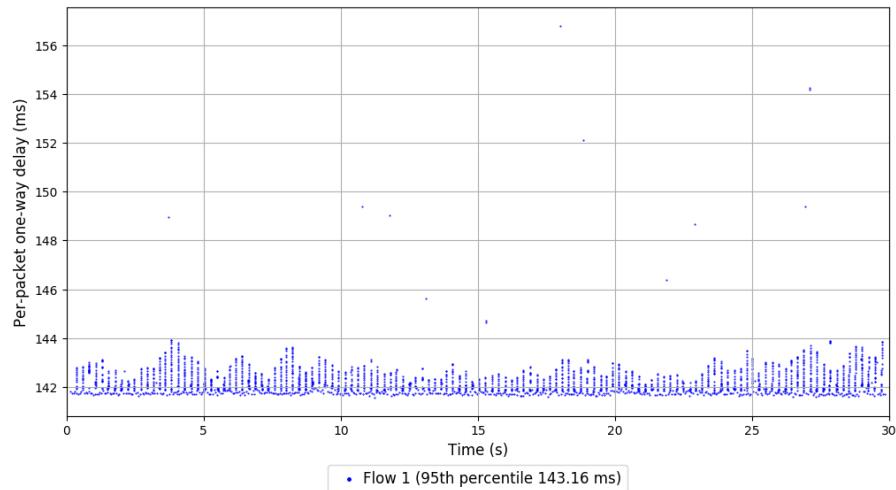
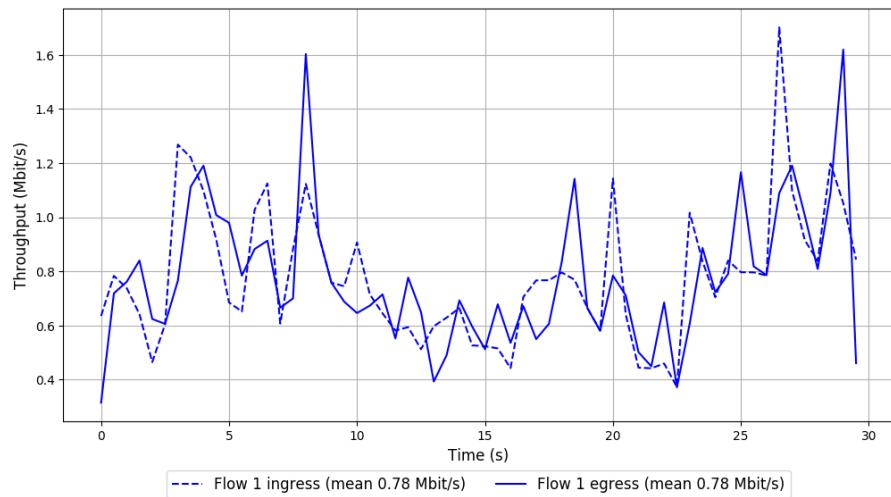


Run 2: Statistics of Sprout

```
Start at: Mon, 24 Jul 2017 23:42:20 +0000
End at: Mon, 24 Jul 2017 23:42:50 +0000
Local clock offset: 1.326 ms
Remote clock offset: 6.166 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 143.160 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 0.78 Mbit/s
95th percentile per-packet one-way delay: 143.160 ms
Loss rate: 0.83%
```

Run 2: Report of Sprout — Data Link

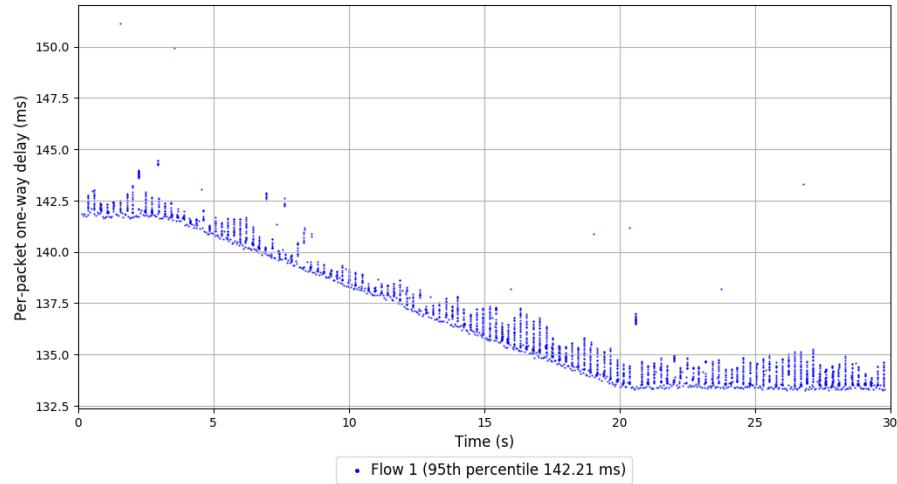
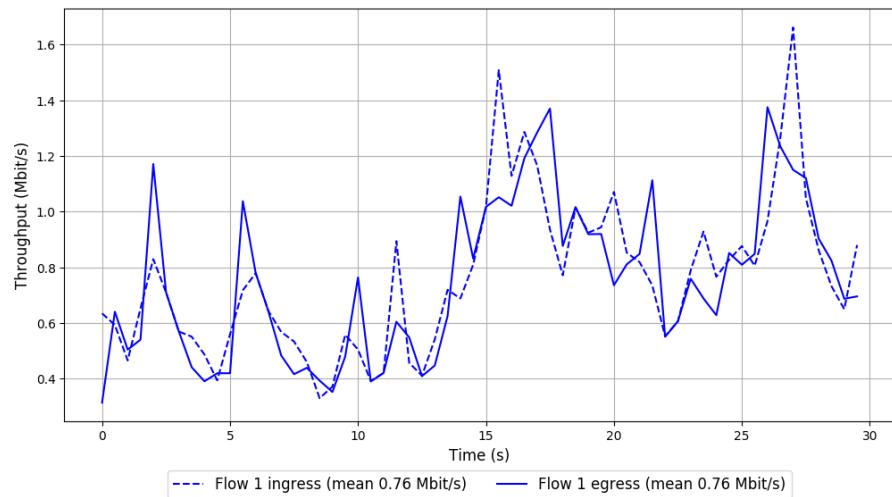


Run 3: Statistics of Sprout

```
Start at: Tue, 25 Jul 2017 00:01:40 +0000
End at: Tue, 25 Jul 2017 00:02:10 +0000
Local clock offset: 1.322 ms
Remote clock offset: 4.788 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 142.206 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 0.76 Mbit/s
95th percentile per-packet one-way delay: 142.206 ms
Loss rate: 1.07%
```

Run 3: Report of Sprout — Data Link

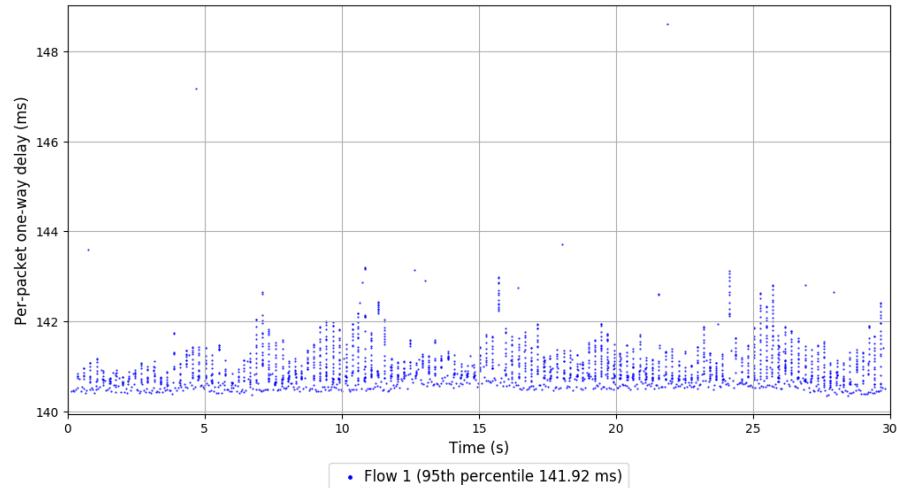
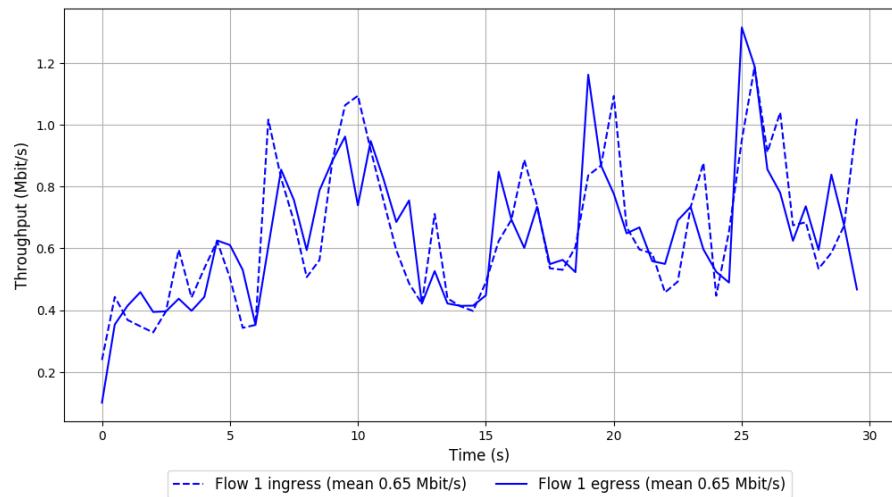


Run 4: Statistics of Sprout

```
Start at: Tue, 25 Jul 2017 00:20:50 +0000
End at: Tue, 25 Jul 2017 00:21:20 +0000
Local clock offset: 0.181 ms
Remote clock offset: 0.066 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 141.921 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 141.921 ms
Loss rate: 1.42%
```

Run 4: Report of Sprout — Data Link

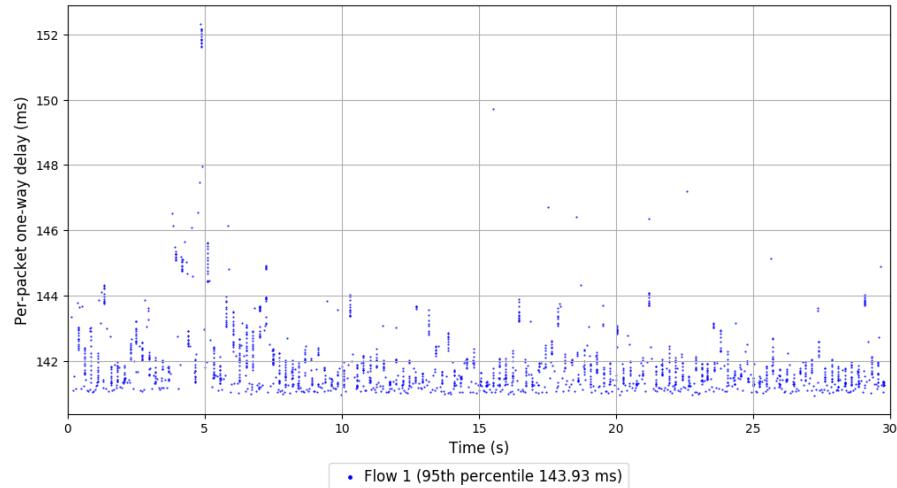
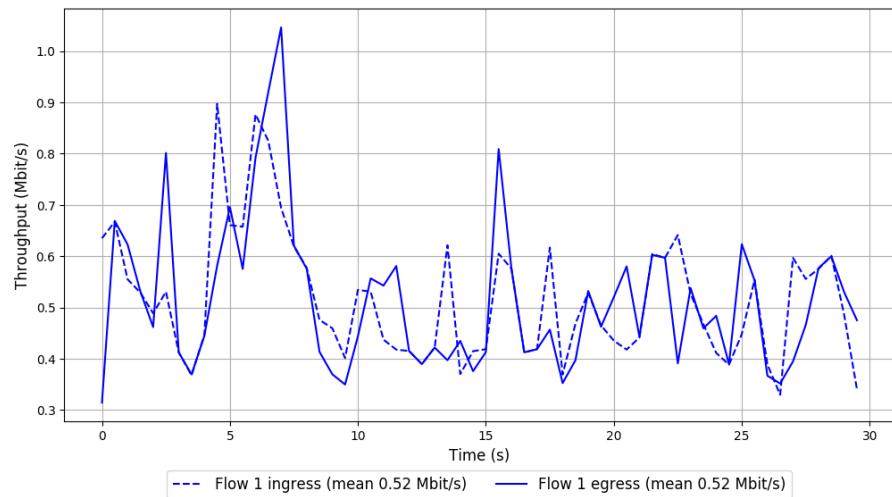


Run 5: Statistics of Sprout

```
Start at: Tue, 25 Jul 2017 00:39:59 +0000
End at: Tue, 25 Jul 2017 00:40:29 +0000
Local clock offset: 0.29 ms
Remote clock offset: -0.339 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:47 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 143.933 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 143.933 ms
Loss rate: 0.38%
```

Run 5: Report of Sprout — Data Link

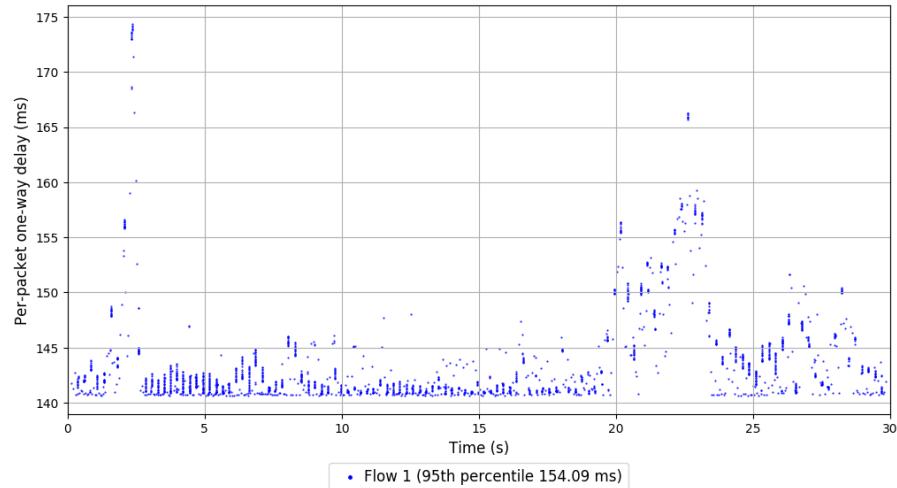
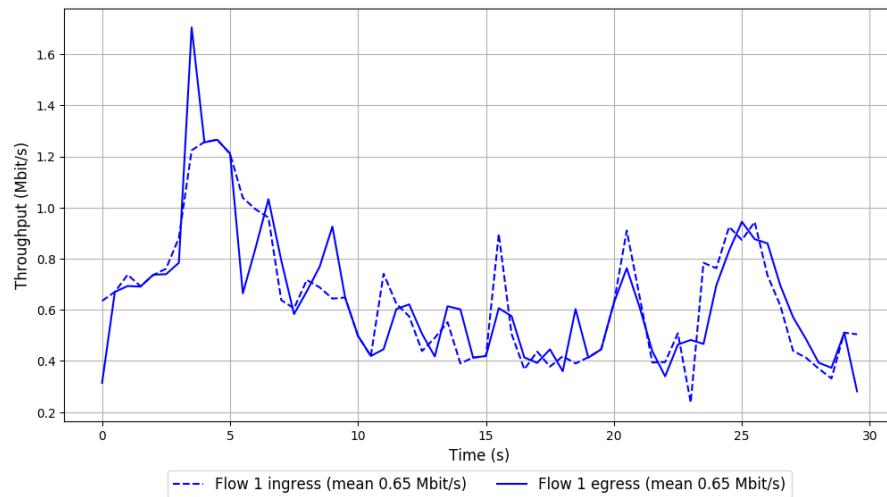


Run 6: Statistics of Sprout

```
Start at: Tue, 25 Jul 2017 00:59:01 +0000
End at: Tue, 25 Jul 2017 00:59:31 +0000
Local clock offset: 0.472 ms
Remote clock offset: -0.274 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 154.086 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 154.086 ms
Loss rate: 0.59%
```

Run 6: Report of Sprout — Data Link

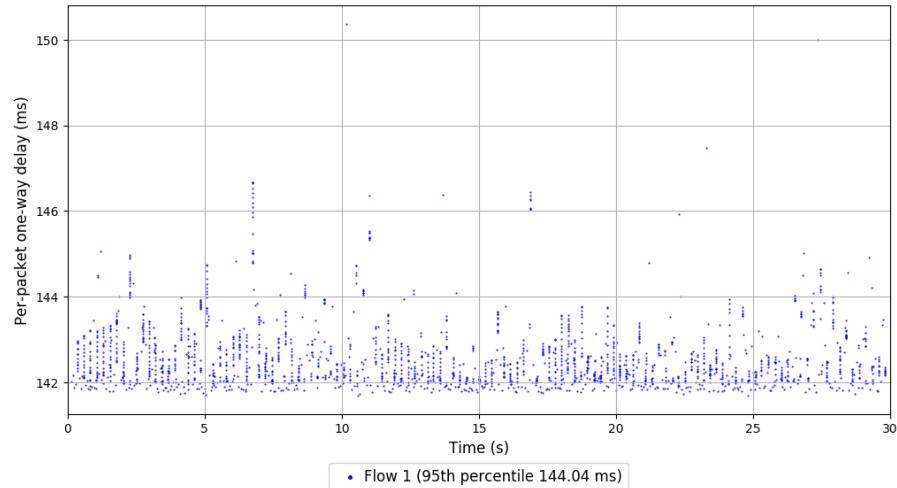
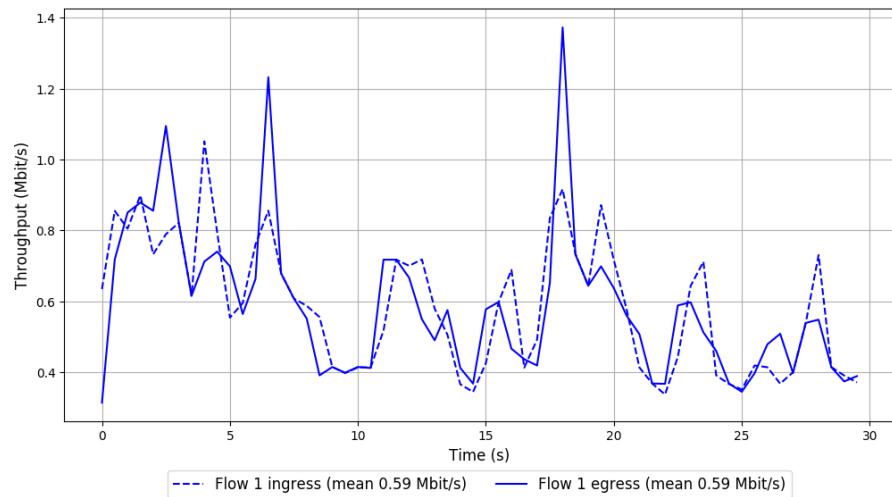


Run 7: Statistics of Sprout

```
Start at: Tue, 25 Jul 2017 01:18:04 +0000
End at: Tue, 25 Jul 2017 01:18:34 +0000
Local clock offset: 1.661 ms
Remote clock offset: -0.195 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:48 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 144.039 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 0.59 Mbit/s
95th percentile per-packet one-way delay: 144.039 ms
Loss rate: 0.53%
```

Run 7: Report of Sprout — Data Link

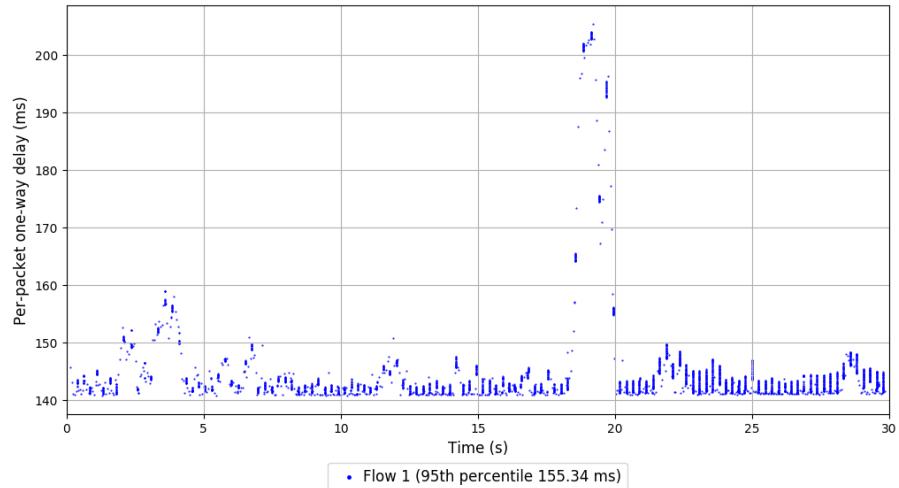
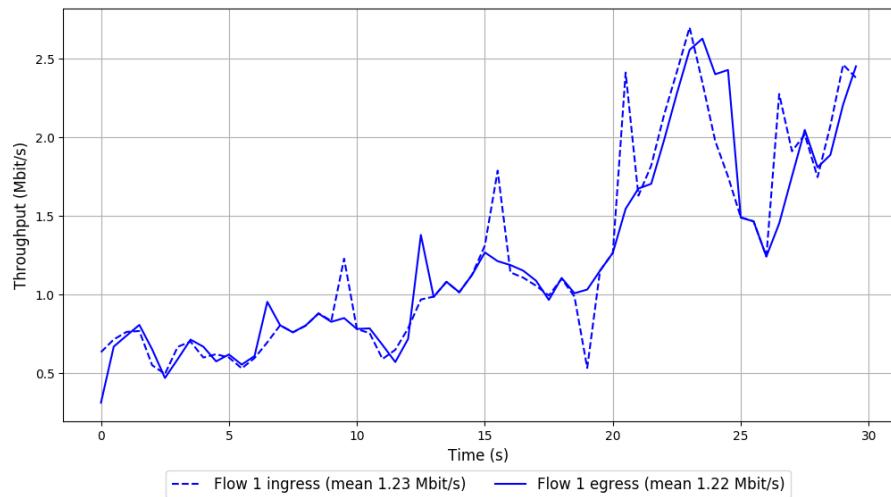


Run 8: Statistics of Sprout

```
Start at: Tue, 25 Jul 2017 01:37:02 +0000
End at: Tue, 25 Jul 2017 01:37:32 +0000
Local clock offset: 0.565 ms
Remote clock offset: -3.842 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 155.339 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 1.22 Mbit/s
95th percentile per-packet one-way delay: 155.339 ms
Loss rate: 1.71%
```

Run 8: Report of Sprout — Data Link

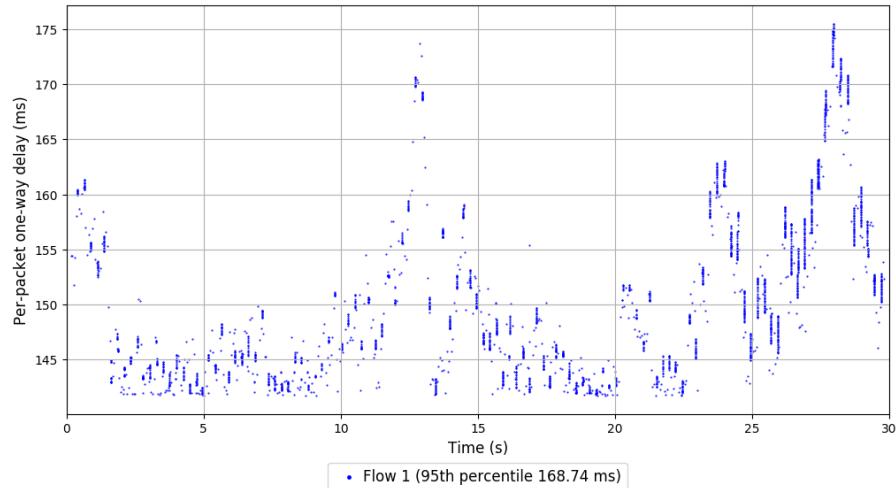
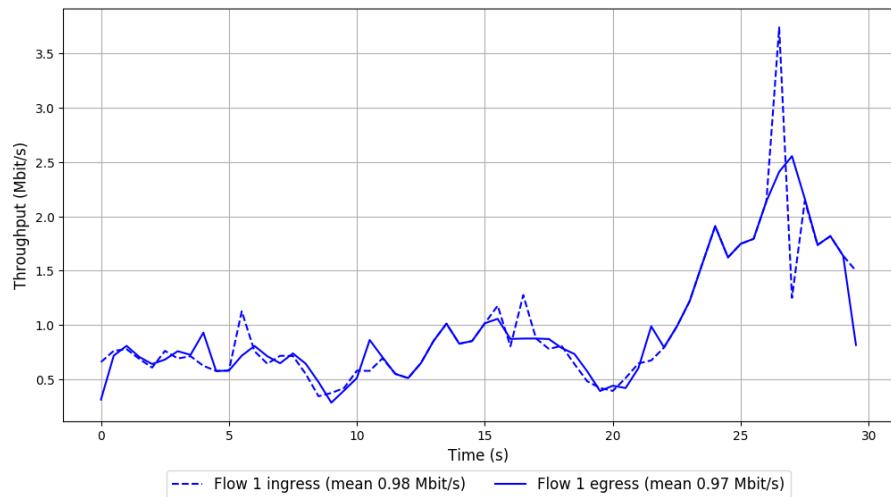


Run 9: Statistics of Sprout

```
Start at: Tue, 25 Jul 2017 01:56:09 +0000
End at: Tue, 25 Jul 2017 01:56:39 +0000
Local clock offset: 1.752 ms
Remote clock offset: -0.239 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:49 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 168.740 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 0.97 Mbit/s
95th percentile per-packet one-way delay: 168.740 ms
Loss rate: 1.18%
```

Run 9: Report of Sprout — Data Link

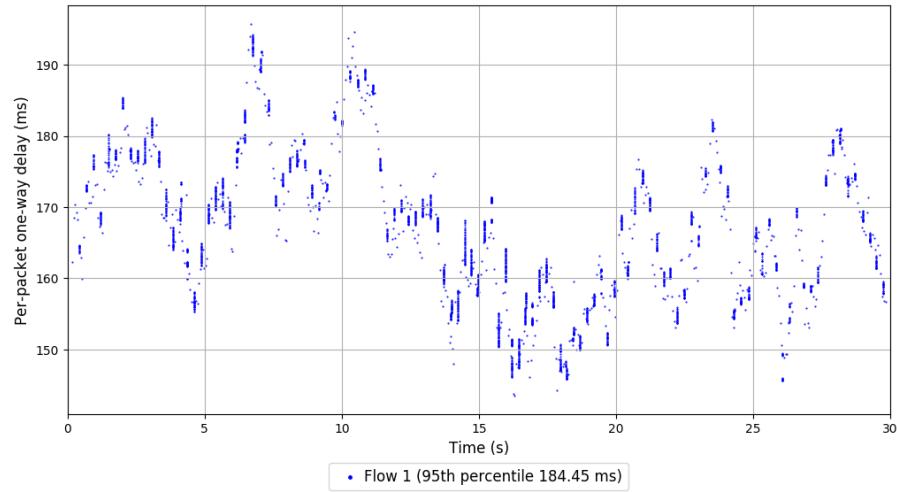
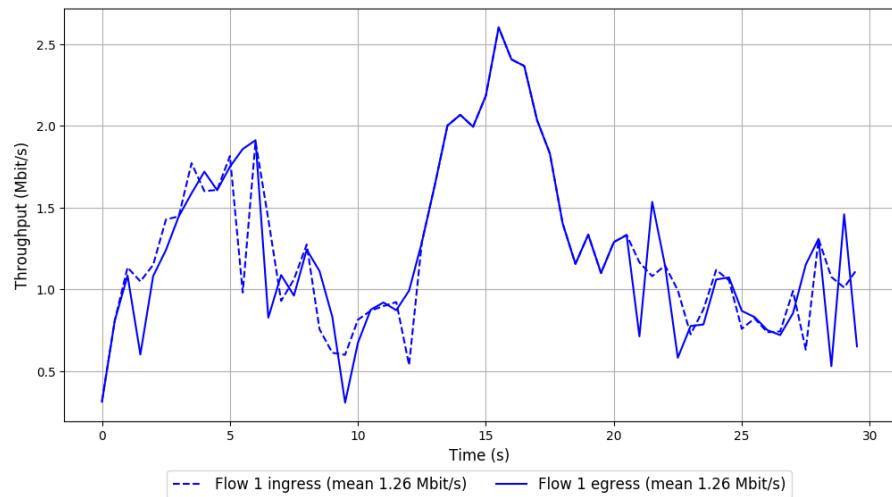


Run 10: Statistics of Sprout

```
Start at: Tue, 25 Jul 2017 02:15:11 +0000
End at: Tue, 25 Jul 2017 02:15:41 +0000
Local clock offset: 1.782 ms
Remote clock offset: 0.049 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:46:50 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 184.447 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 184.447 ms
Loss rate: 0.76%
```

Run 10: Report of Sprout — Data Link

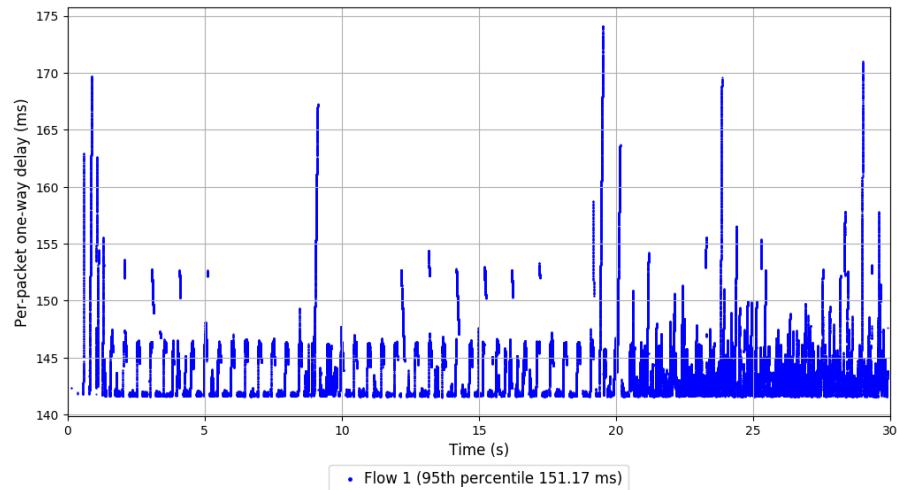
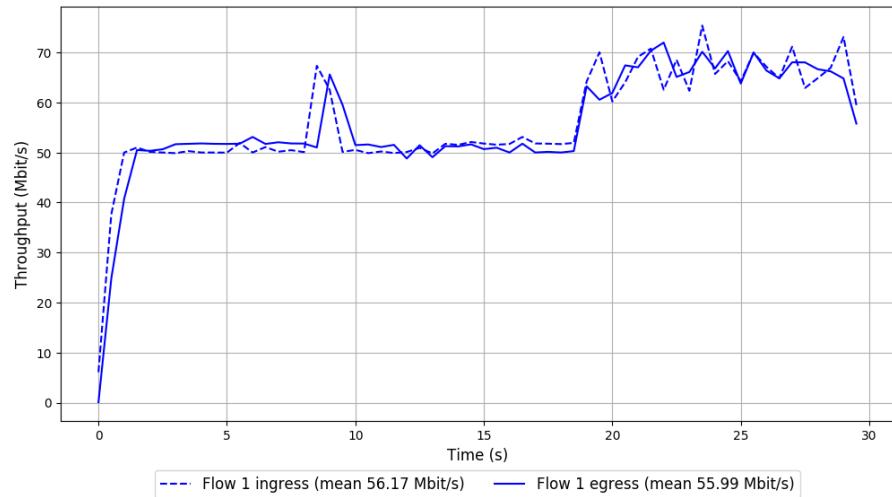


Run 1: Statistics of TaoVA-100x

```
Start at: Mon, 24 Jul 2017 23:24:19 +0000
End at: Mon, 24 Jul 2017 23:24:49 +0000
Local clock offset: 1.208 ms
Remote clock offset: 7.592 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:47:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 151.171 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 55.99 Mbit/s
95th percentile per-packet one-way delay: 151.171 ms
Loss rate: 1.01%
```

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

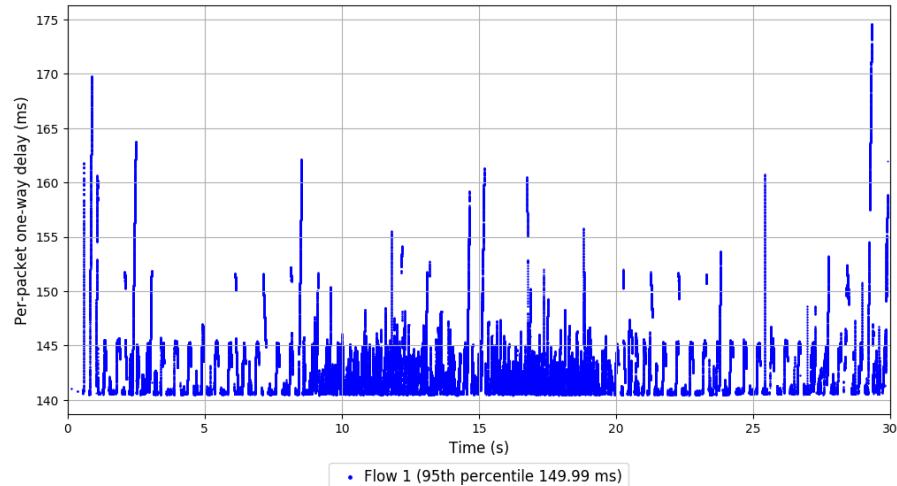
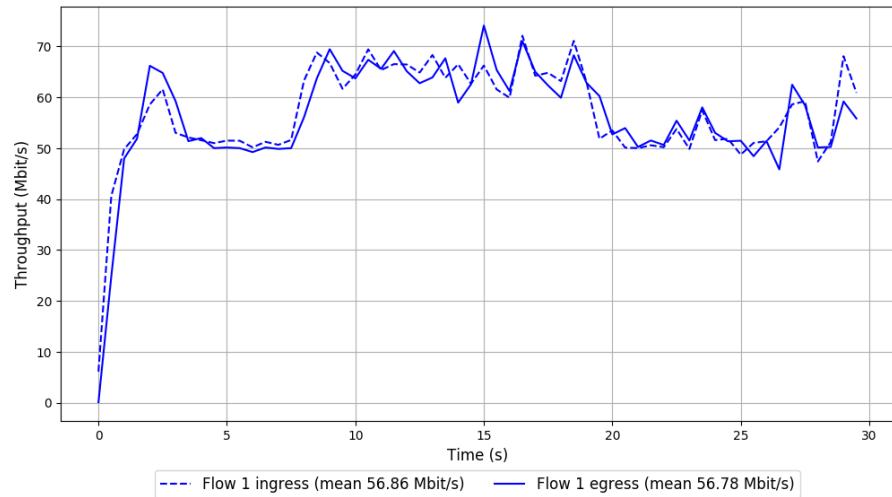


Run 2: Statistics of TaoVA-100x

```
Start at: Mon, 24 Jul 2017 23:43:33 +0000
End at: Mon, 24 Jul 2017 23:44:03 +0000
Local clock offset: 0.078 ms
Remote clock offset: 6.071 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:47:04 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 149.993 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 149.993 ms
Loss rate: 0.85%
```

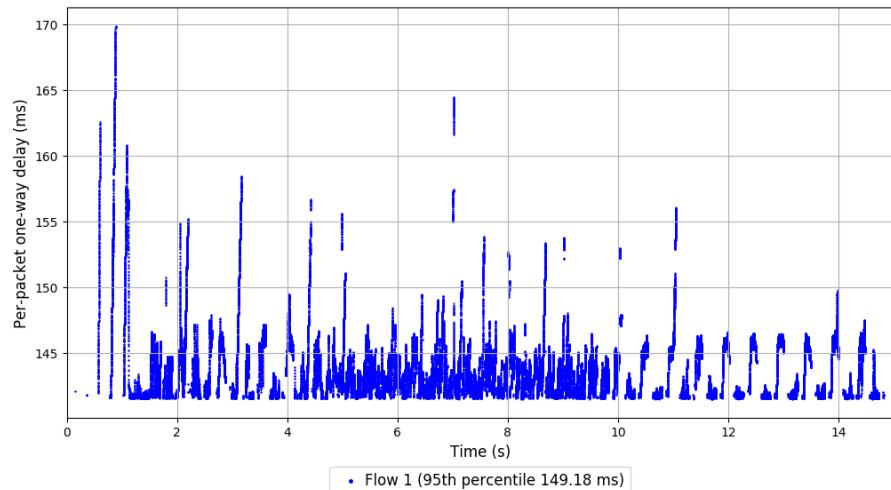
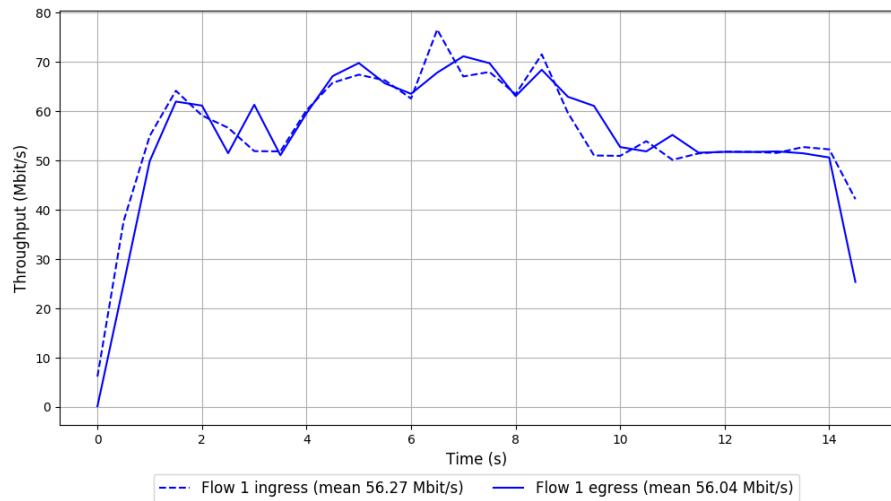
Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 00:02:54 +0000
End at: Tue, 25 Jul 2017 00:03:24 +0000
Local clock offset: 1.337 ms
Remote clock offset: -3.555 ms

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

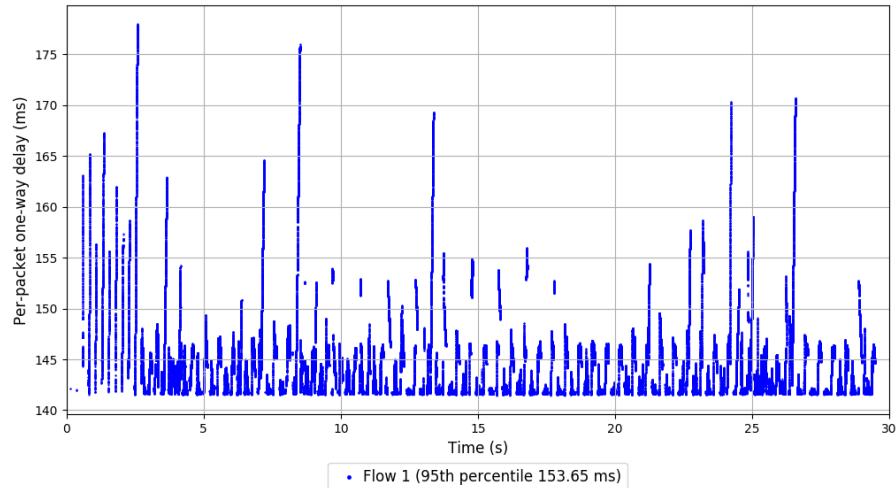
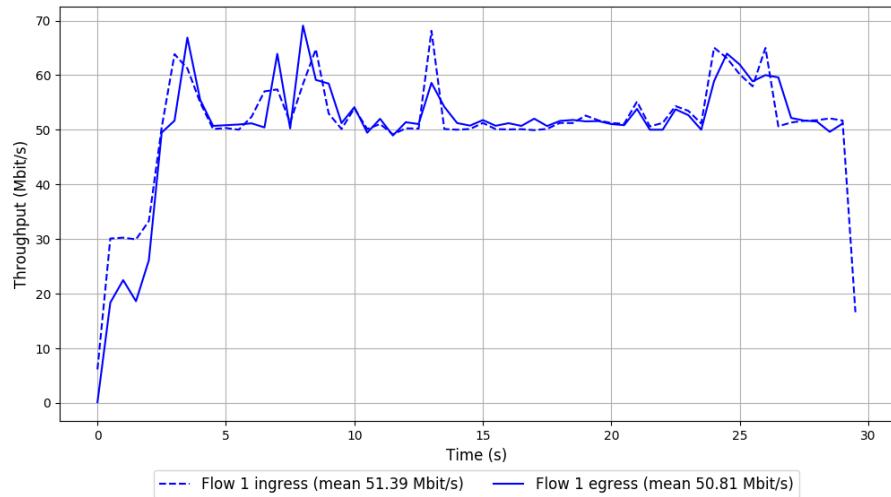


Run 4: Statistics of TaoVA-100x

```
Start at: Tue, 25 Jul 2017 00:22:03 +0000
End at: Tue, 25 Jul 2017 00:22:33 +0000
Local clock offset: 1.612 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:47:15 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.81 Mbit/s
95th percentile per-packet one-way delay: 153.650 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 50.81 Mbit/s
95th percentile per-packet one-way delay: 153.650 ms
Loss rate: 1.96%
```

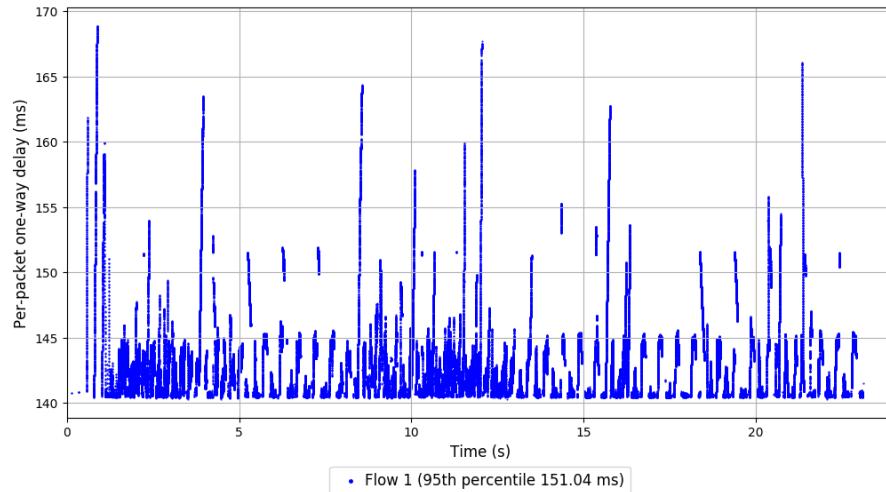
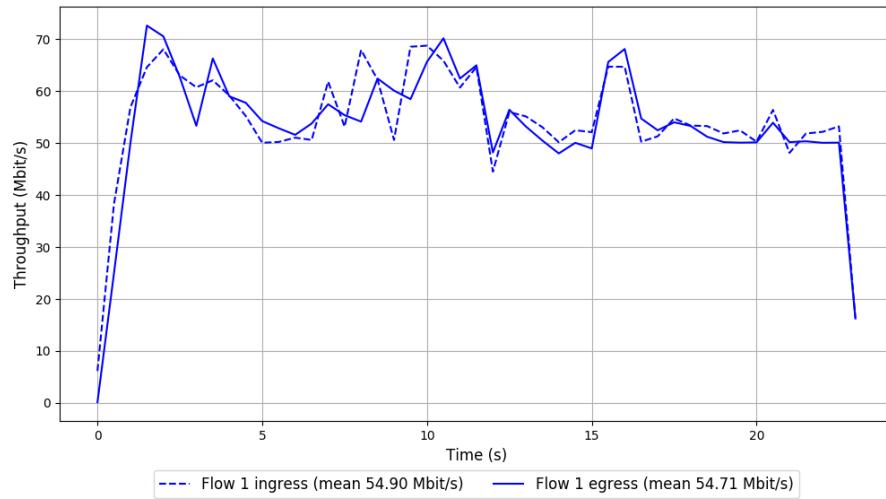
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 00:41:12 +0000
End at: Tue, 25 Jul 2017 00:41:42 +0000
Local clock offset: 0.315 ms
Remote clock offset: 0.194 ms

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

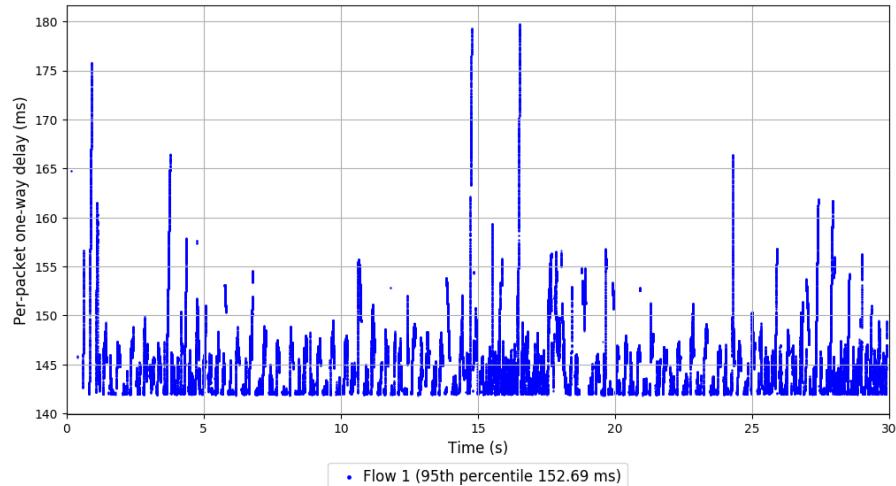
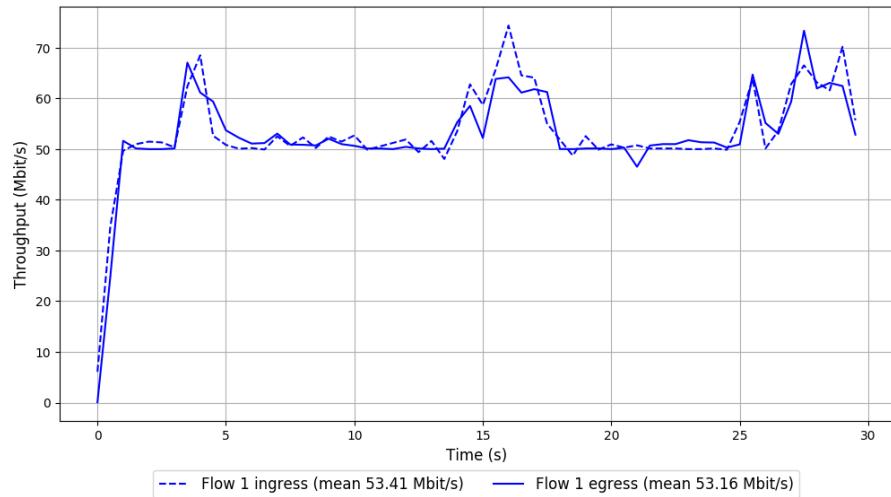


Run 6: Statistics of TaoVA-100x

```
Start at: Tue, 25 Jul 2017 01:00:14 +0000
End at: Tue, 25 Jul 2017 01:00:44 +0000
Local clock offset: 1.828 ms
Remote clock offset: -0.303 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:47:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 152.689 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 53.16 Mbit/s
95th percentile per-packet one-way delay: 152.689 ms
Loss rate: 1.22%
```

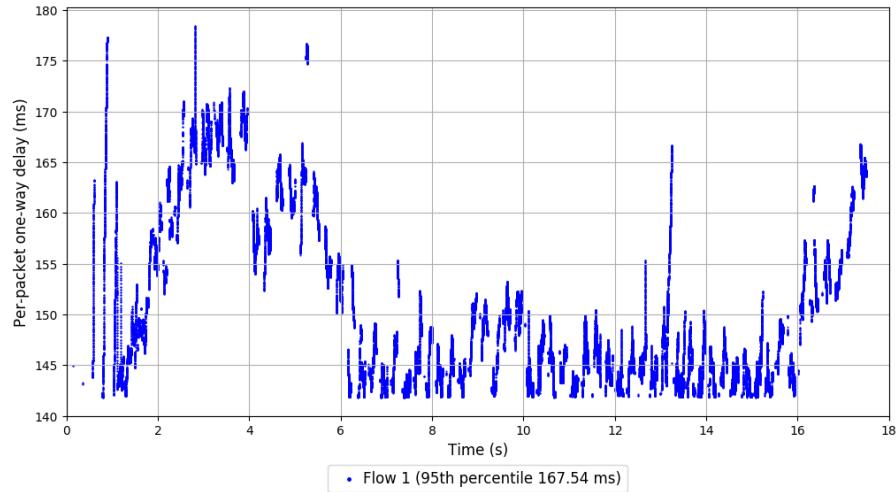
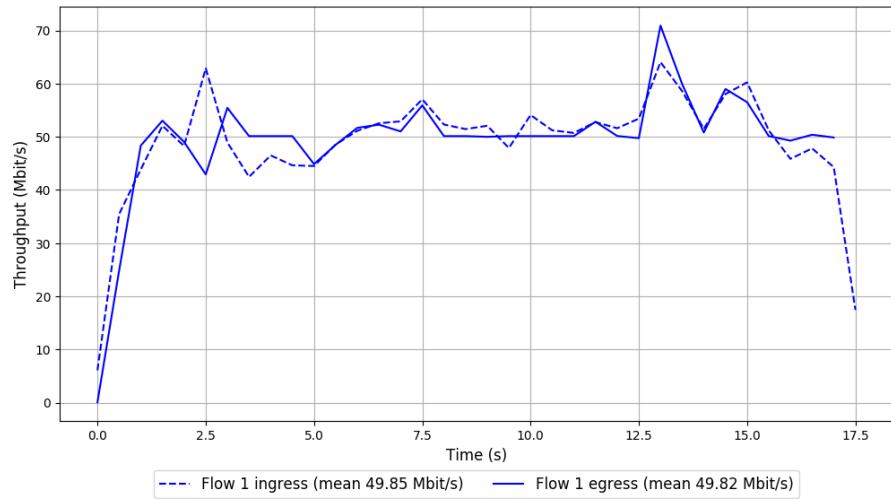
Run 6: Report of TaoVA-100x — Data Link



Run 7: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 01:19:18 +0000
End at: Tue, 25 Jul 2017 01:19:48 +0000
Local clock offset: 1.712 ms
Remote clock offset: -0.132 ms

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

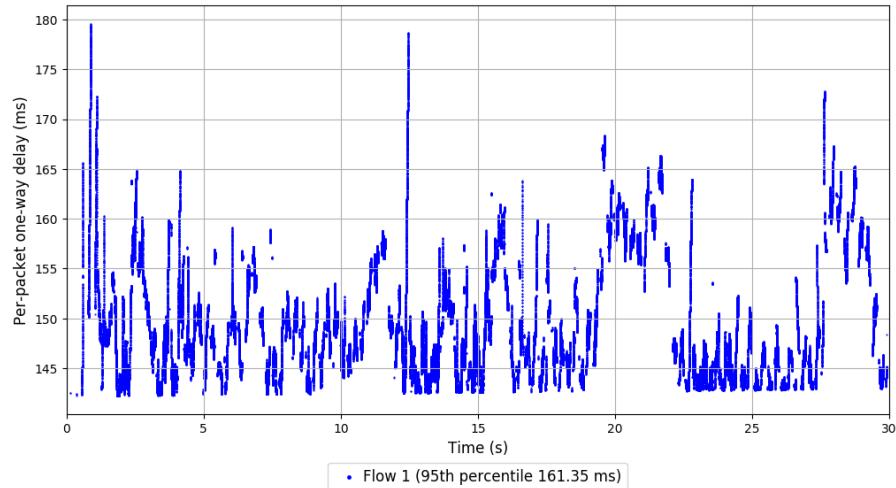
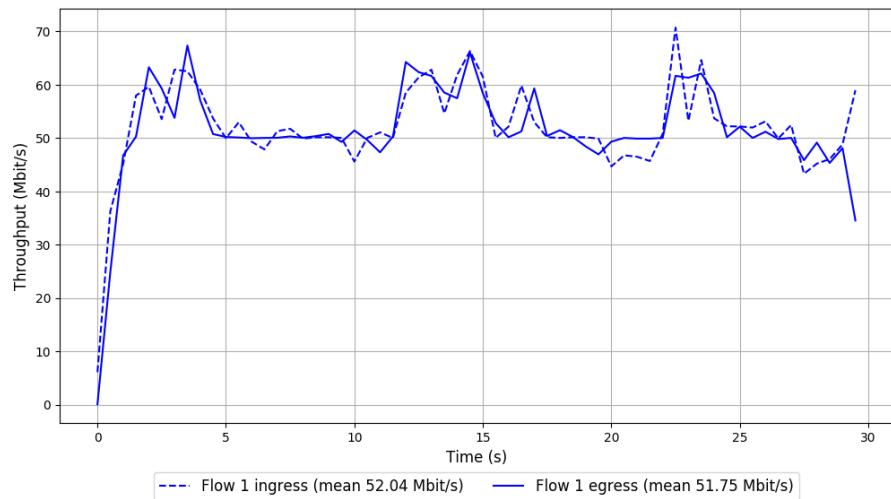


Run 8: Statistics of TaoVA-100x

```
Start at: Tue, 25 Jul 2017 01:38:16 +0000
End at: Tue, 25 Jul 2017 01:38:46 +0000
Local clock offset: 1.808 ms
Remote clock offset: -3.135 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:47:40 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 161.350 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 161.350 ms
Loss rate: 1.23%
```

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

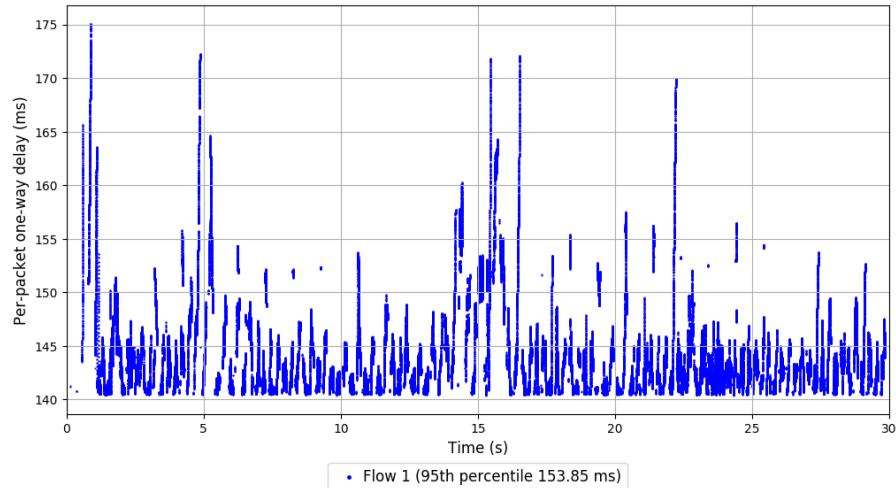
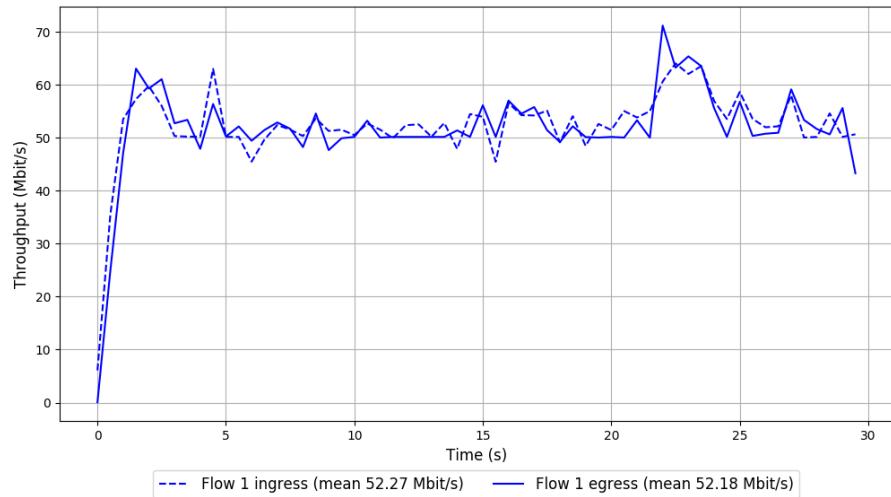


Run 9: Statistics of TaoVA-100x

```
Start at: Tue, 25 Jul 2017 01:57:22 +0000
End at: Tue, 25 Jul 2017 01:57:53 +0000
Local clock offset: 0.518 ms
Remote clock offset: -0.422 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:47:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.18 Mbit/s
95th percentile per-packet one-way delay: 153.849 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 52.18 Mbit/s
95th percentile per-packet one-way delay: 153.849 ms
Loss rate: 0.99%
```

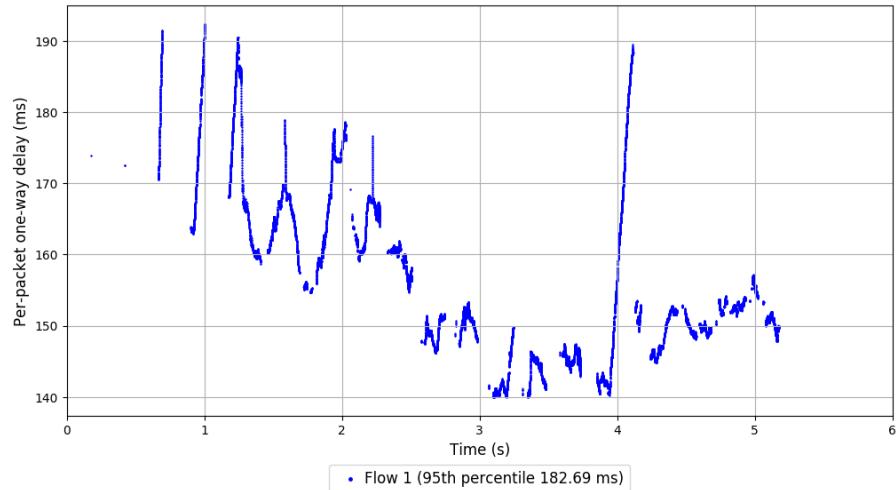
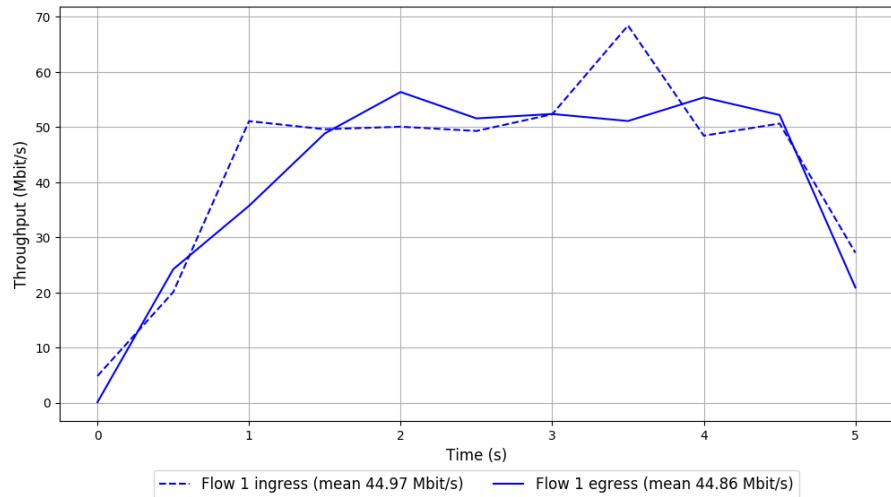
Run 9: Report of TaoVA-100x — Data Link



Run 10: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 02:16:26 +0000
End at: Tue, 25 Jul 2017 02:16:56 +0000
Local clock offset: 0.145 ms
Remote clock offset: 0.108 ms

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

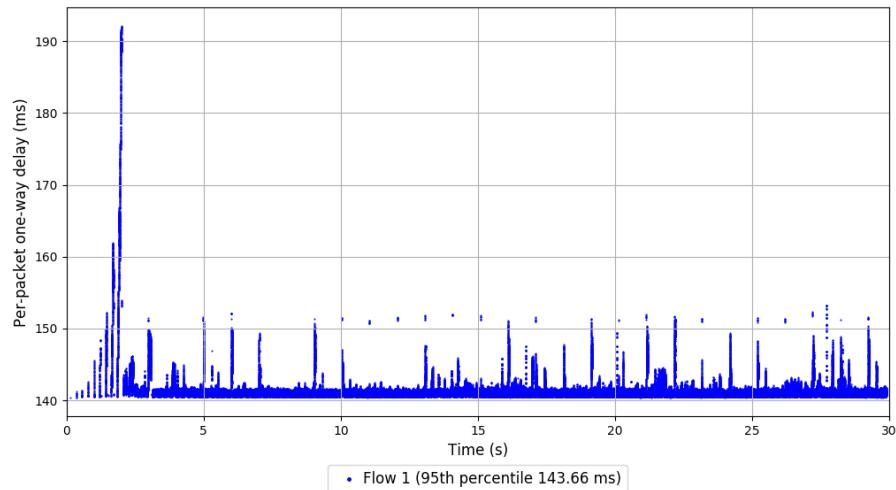
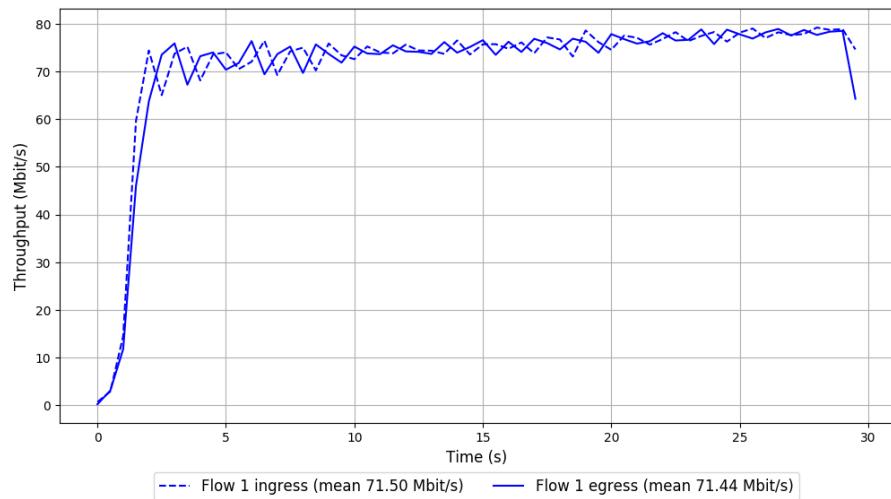


Run 1: Statistics of TCP Vegas

```
Start at: Mon, 24 Jul 2017 23:33:18 +0000
End at: Mon, 24 Jul 2017 23:33:48 +0000
Local clock offset: 0.043 ms
Remote clock offset: 6.787 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:47:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.44 Mbit/s
95th percentile per-packet one-way delay: 143.665 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 71.44 Mbit/s
95th percentile per-packet one-way delay: 143.665 ms
Loss rate: 0.77%
```

Run 1: Report of TCP Vegas — Data Link

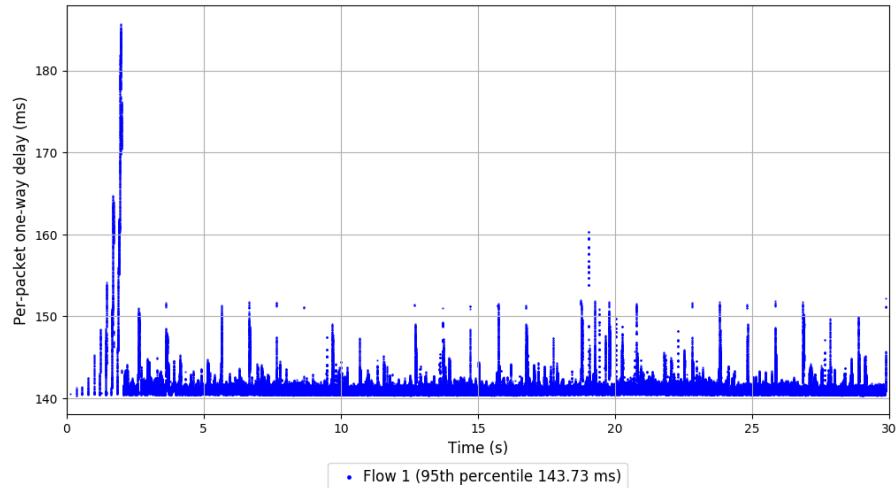
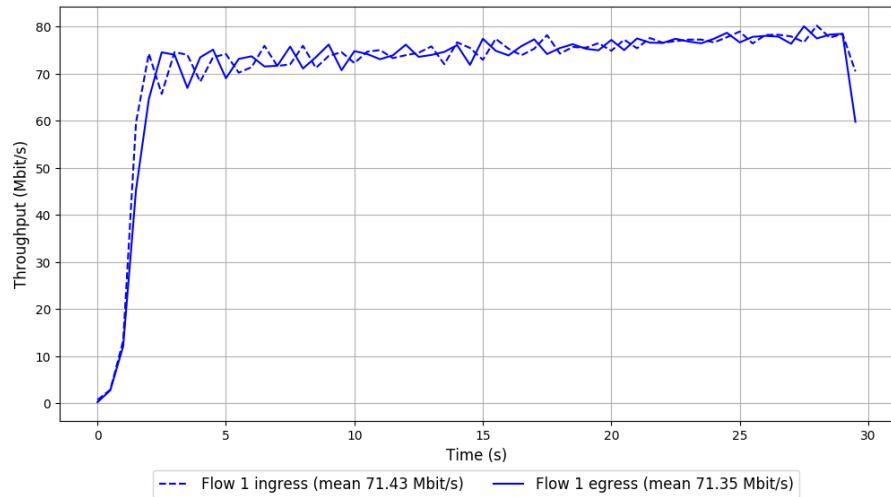


Run 2: Statistics of TCP Vegas

```
Start at: Mon, 24 Jul 2017 23:52:40 +0000
End at: Mon, 24 Jul 2017 23:53:10 +0000
Local clock offset: 0.039 ms
Remote clock offset: 5.446 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:47:53 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.35 Mbit/s
95th percentile per-packet one-way delay: 143.734 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 71.35 Mbit/s
95th percentile per-packet one-way delay: 143.734 ms
Loss rate: 0.78%
```

Run 2: Report of TCP Vegas — Data Link

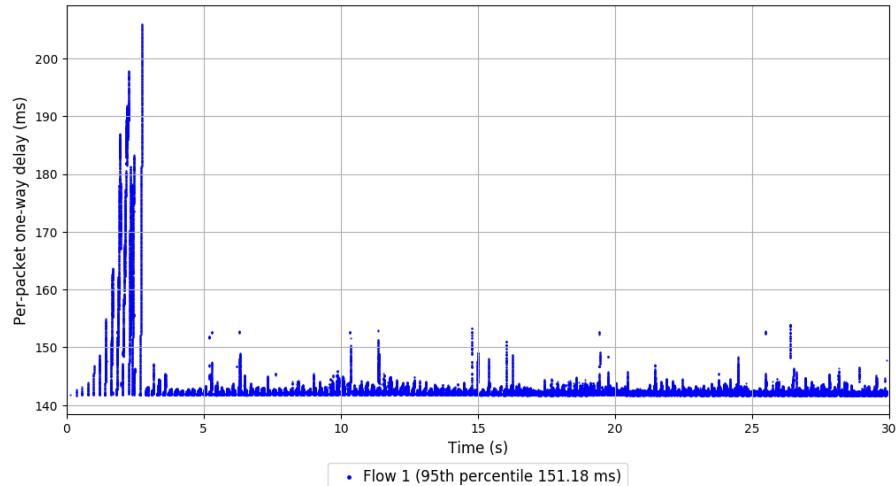
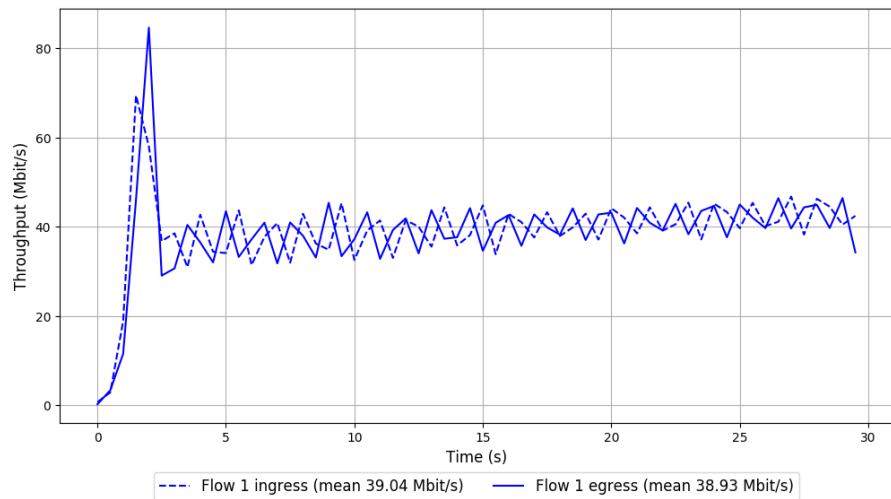


Run 3: Statistics of TCP Vegas

```
Start at: Tue, 25 Jul 2017 00:11:51 +0000
End at: Tue, 25 Jul 2017 00:12:21 +0000
Local clock offset: 1.356 ms
Remote clock offset: 1.013 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:47:57 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 151.175 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 38.93 Mbit/s
95th percentile per-packet one-way delay: 151.175 ms
Loss rate: 0.97%
```

Run 3: Report of TCP Vegas — Data Link

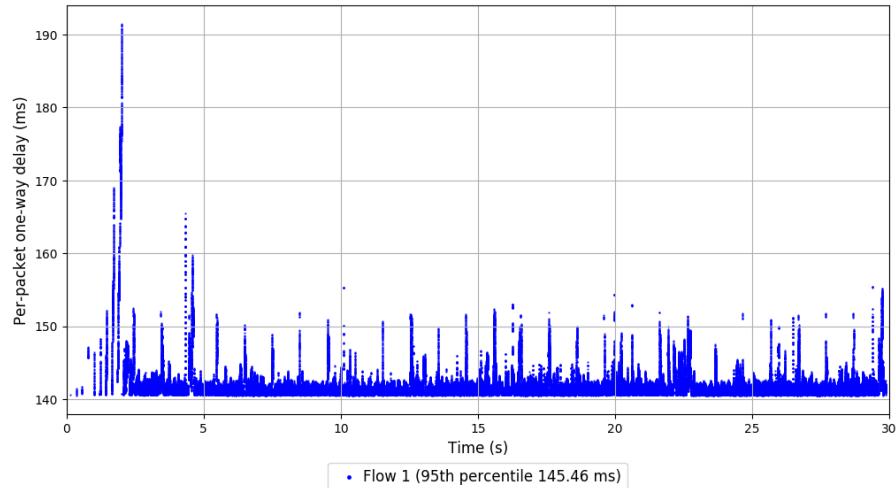
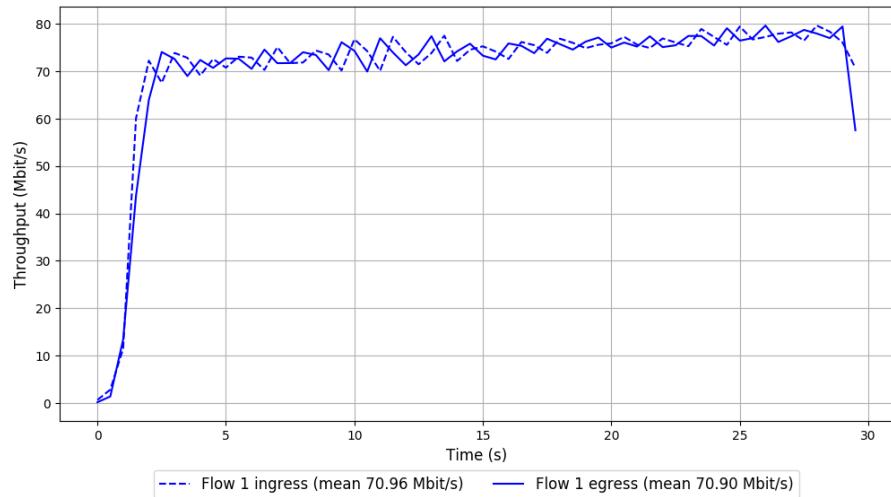


Run 4: Statistics of TCP Vegas

```
Start at: Tue, 25 Jul 2017 00:31:00 +0000
End at: Tue, 25 Jul 2017 00:31:30 +0000
Local clock offset: 0.194 ms
Remote clock offset: 0.64 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.90 Mbit/s
95th percentile per-packet one-way delay: 145.457 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 70.90 Mbit/s
95th percentile per-packet one-way delay: 145.457 ms
Loss rate: 0.78%
```

Run 4: Report of TCP Vegas — Data Link

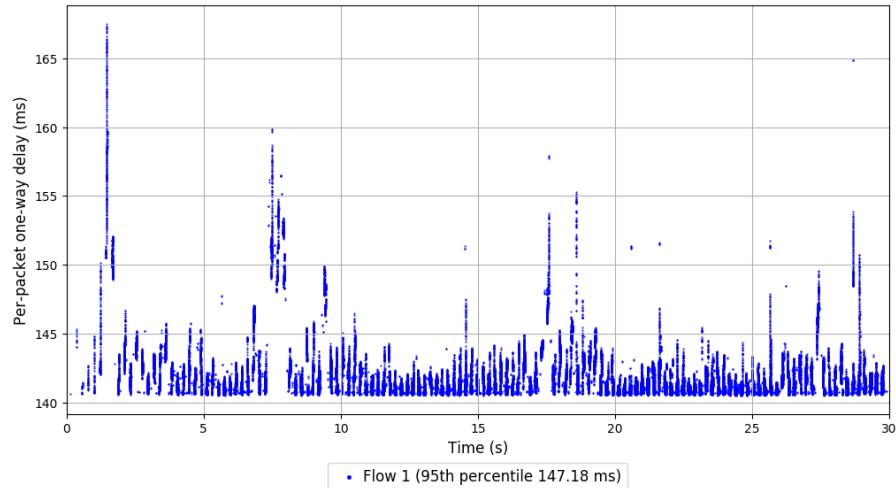
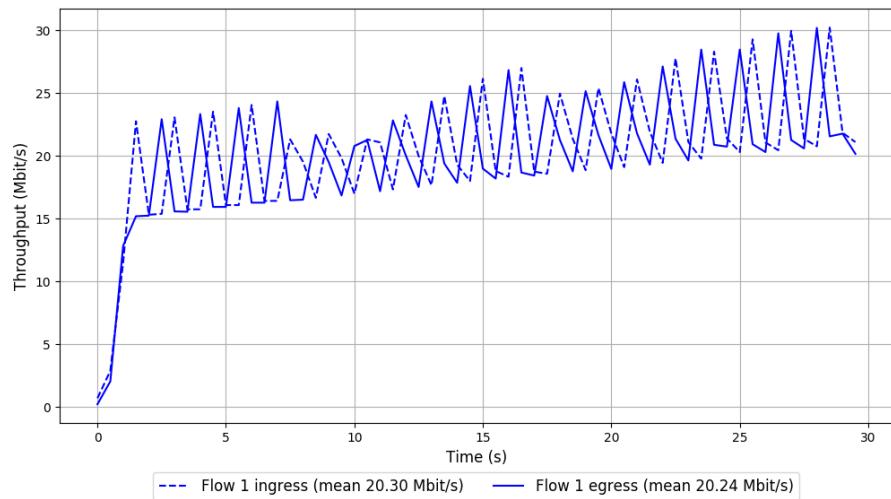


Run 5: Statistics of TCP Vegas

```
Start at: Tue, 25 Jul 2017 00:50:05 +0000
End at: Tue, 25 Jul 2017 00:50:35 +0000
Local clock offset: 0.394 ms
Remote clock offset: 0.094 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:02 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.24 Mbit/s
95th percentile per-packet one-way delay: 147.181 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 20.24 Mbit/s
95th percentile per-packet one-way delay: 147.181 ms
Loss rate: 0.86%
```

Run 5: Report of TCP Vegas — Data Link

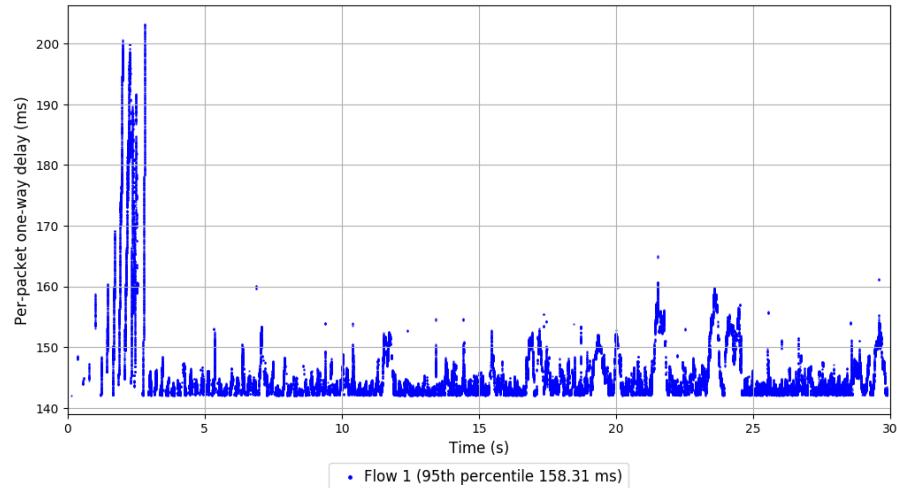
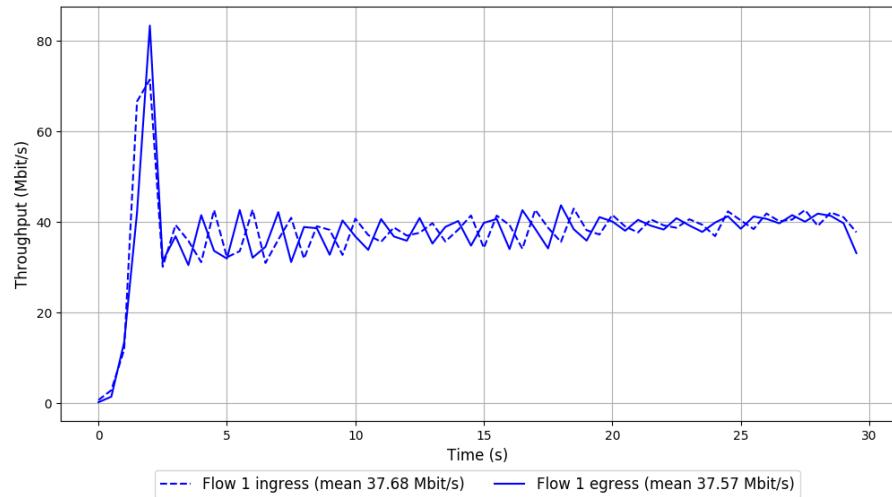


Run 6: Statistics of TCP Vegas

```
Start at: Tue, 25 Jul 2017 01:09:08 +0000
End at: Tue, 25 Jul 2017 01:09:38 +0000
Local clock offset: 1.728 ms
Remote clock offset: -0.239 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 158.306 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 37.57 Mbit/s
95th percentile per-packet one-way delay: 158.306 ms
Loss rate: 0.99%
```

Run 6: Report of TCP Vegas — Data Link



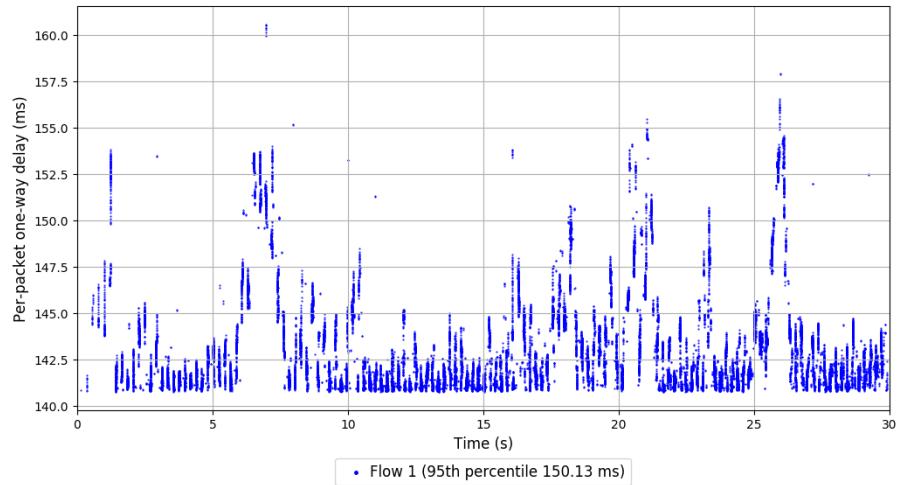
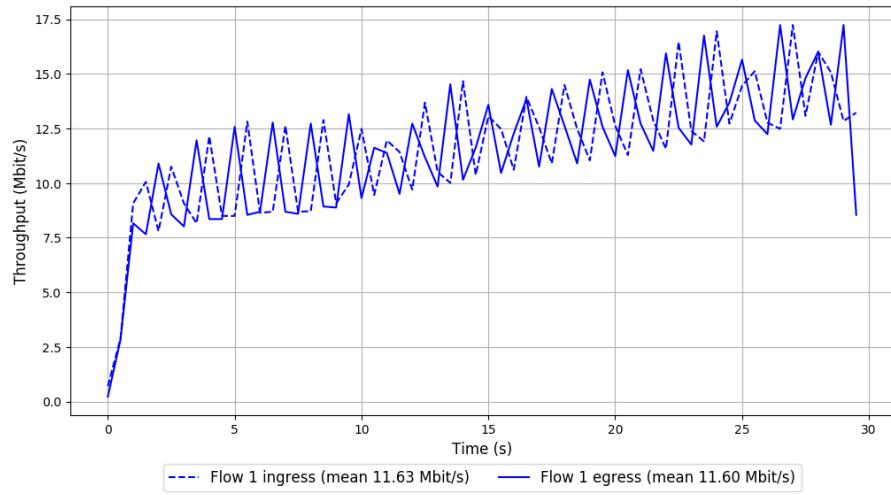
Run 7: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 01:28:10 +0000
End at: Tue, 25 Jul 2017 01:28:40 +0000

Local clock offset: 0.52 ms
Remote clock offset: -12.844 ms

```
# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:07 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.60 Mbit/s
95th percentile per-packet one-way delay: 150.128 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 11.60 Mbit/s
95th percentile per-packet one-way delay: 150.128 ms
Loss rate: 0.92%
```

Run 7: Report of TCP Vegas — Data Link

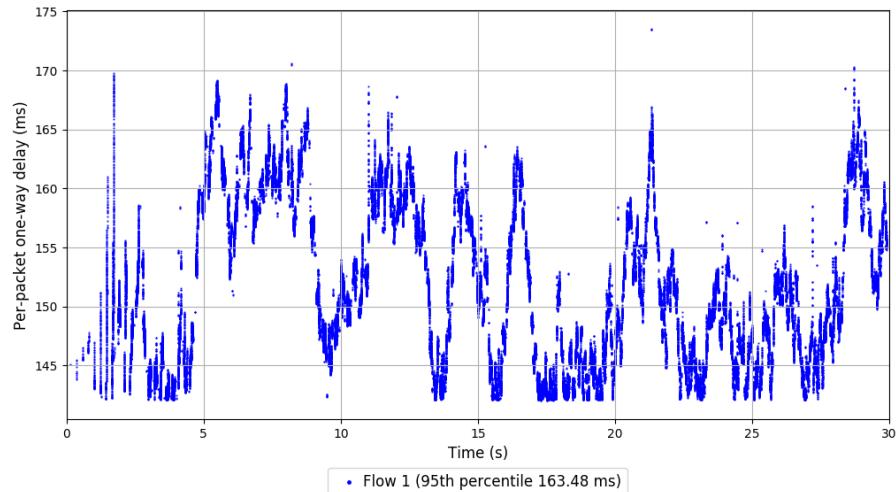
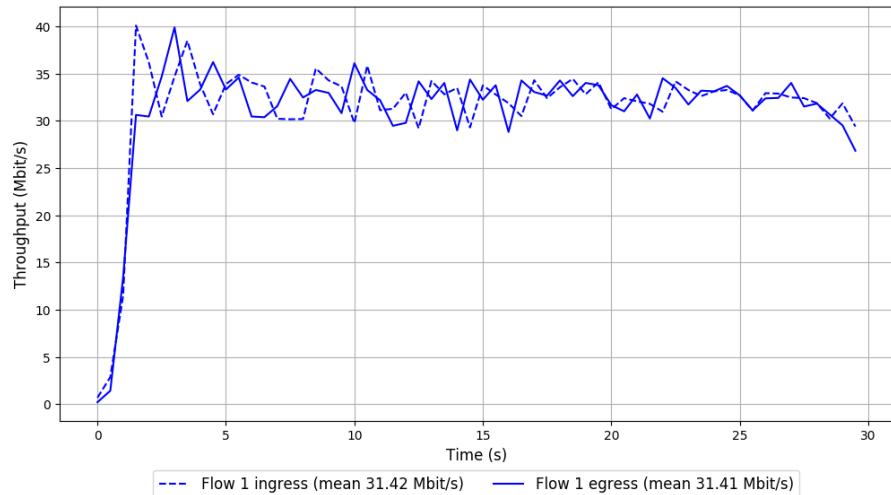


Run 8: Statistics of TCP Vegas

```
Start at: Tue, 25 Jul 2017 01:47:10 +0000
End at: Tue, 25 Jul 2017 01:47:41 +0000
Local clock offset: 1.808 ms
Remote clock offset: 0.863 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:09 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 163.481 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 31.41 Mbit/s
95th percentile per-packet one-way delay: 163.481 ms
Loss rate: 0.75%
```

Run 8: Report of TCP Vegas — Data Link

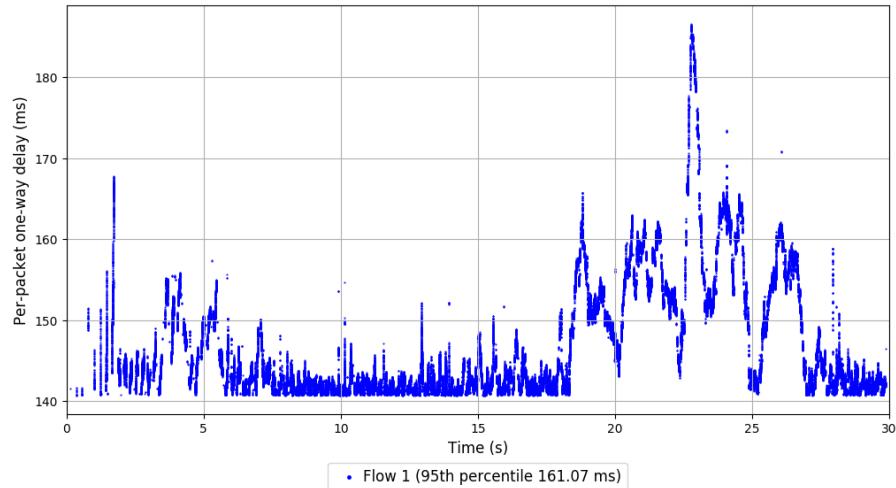
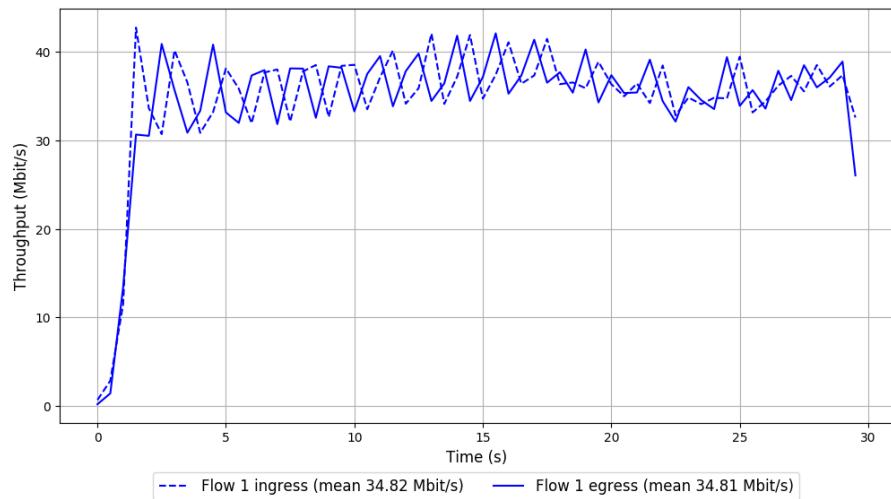


Run 9: Statistics of TCP Vegas

```
Start at: Tue, 25 Jul 2017 02:06:15 +0000
End at: Tue, 25 Jul 2017 02:06:45 +0000
Local clock offset: 0.528 ms
Remote clock offset: -0.12 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.81 Mbit/s
95th percentile per-packet one-way delay: 161.068 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 34.81 Mbit/s
95th percentile per-packet one-way delay: 161.068 ms
Loss rate: 0.76%
```

Run 9: Report of TCP Vegas — Data Link

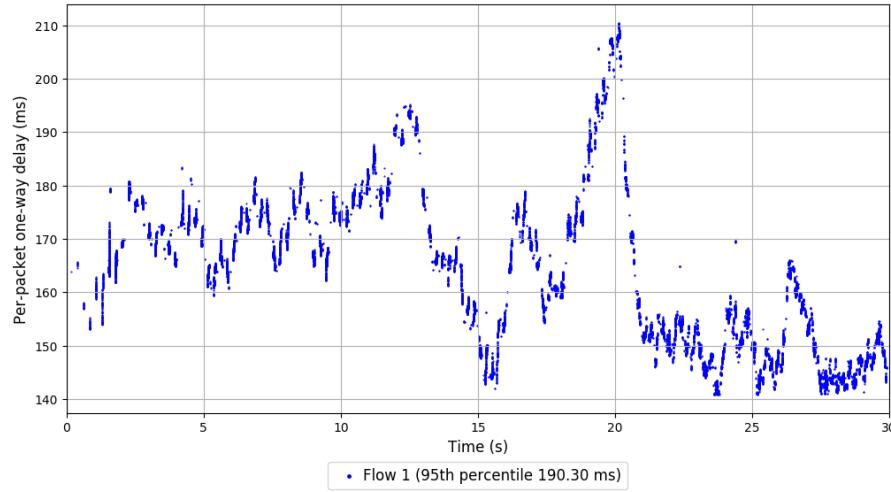
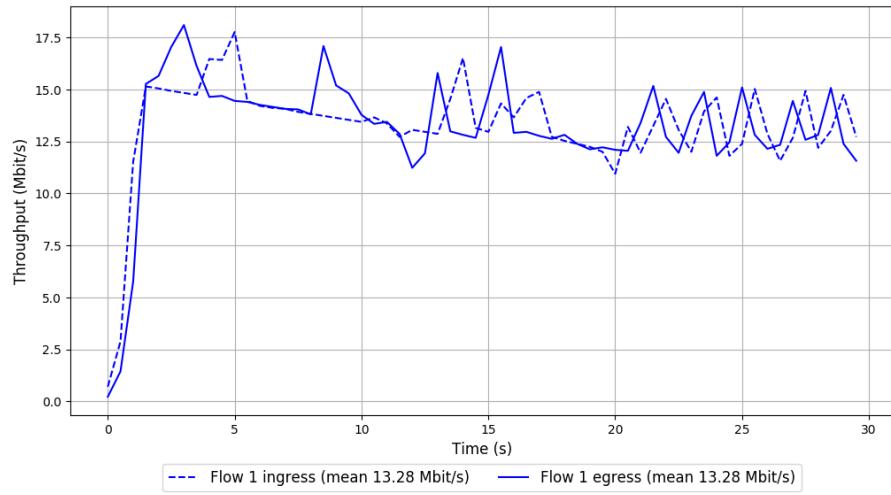


Run 10: Statistics of TCP Vegas

```
Start at: Tue, 25 Jul 2017 02:25:12 +0000
End at: Tue, 25 Jul 2017 02:25:42 +0000
Local clock offset: 0.478 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:13 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 190.301 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 13.28 Mbit/s
95th percentile per-packet one-way delay: 190.301 ms
Loss rate: 0.72%
```

Run 10: Report of TCP Vegas — Data Link

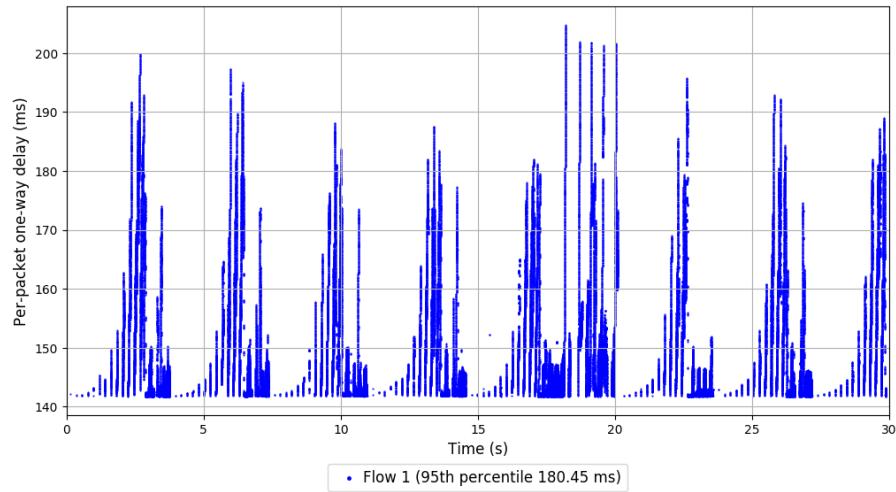
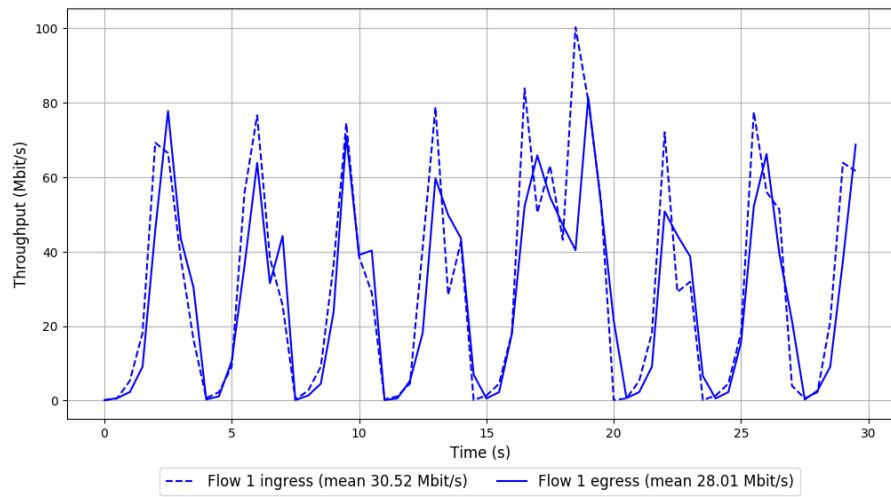


Run 1: Statistics of Verus

```
Start at: Mon, 24 Jul 2017 23:17:51 +0000
End at: Mon, 24 Jul 2017 23:18:21 +0000
Local clock offset: 1.198 ms
Remote clock offset: 7.676 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:16 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 180.454 ms
Loss rate: 8.87%
-- Flow 1:
Average throughput: 28.01 Mbit/s
95th percentile per-packet one-way delay: 180.454 ms
Loss rate: 8.87%
```

Run 1: Report of Verus — Data Link

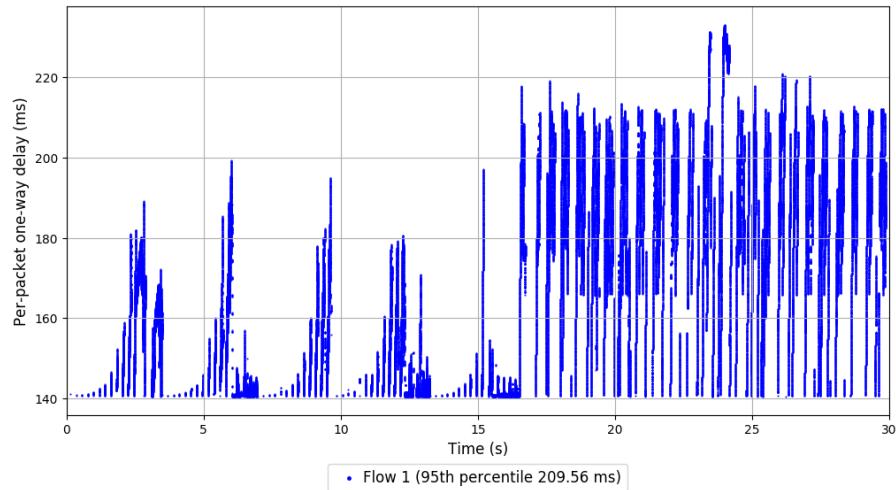
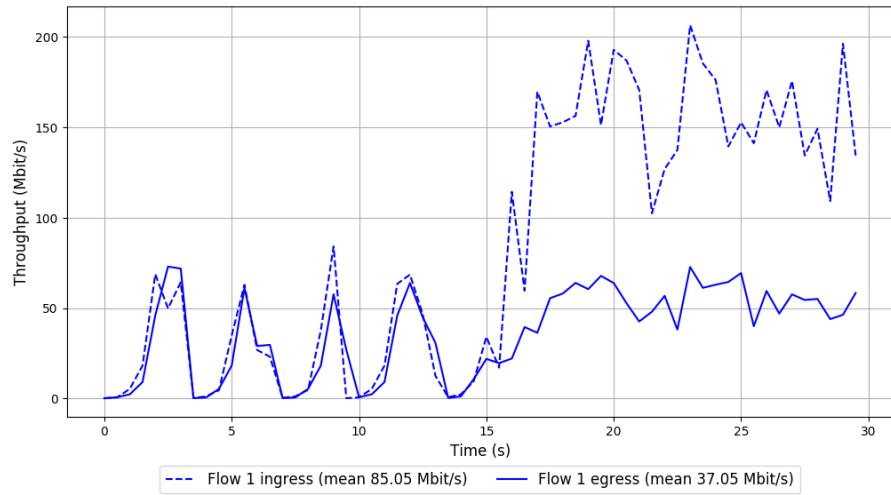


Run 2: Statistics of Verus

```
Start at: Mon, 24 Jul 2017 23:37:04 +0000
End at: Mon, 24 Jul 2017 23:37:34 +0000
Local clock offset: 0.026 ms
Remote clock offset: 6.493 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:20 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 209.563 ms
Loss rate: 56.42%
-- Flow 1:
Average throughput: 37.05 Mbit/s
95th percentile per-packet one-way delay: 209.563 ms
Loss rate: 56.42%
```

Run 2: Report of Verus — Data Link

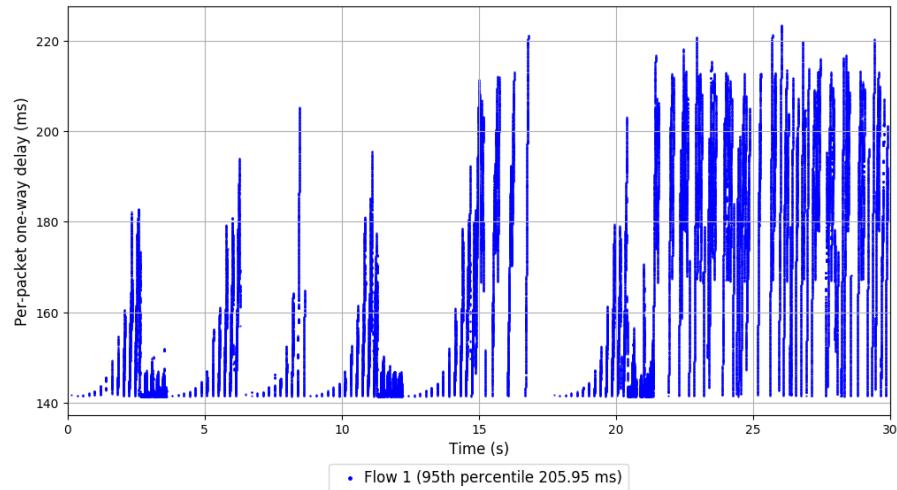
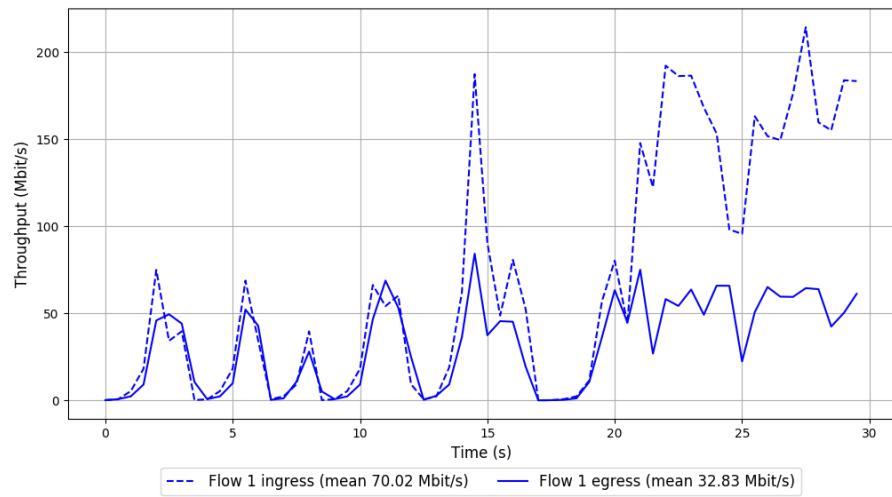


Run 3: Statistics of Verus

```
Start at: Mon, 24 Jul 2017 23:56:26 +0000
End at: Mon, 24 Jul 2017 23:56:56 +0000
Local clock offset: 1.344 ms
Remote clock offset: 5.123 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:22 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 205.948 ms
Loss rate: 53.38%
-- Flow 1:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 205.948 ms
Loss rate: 53.38%
```

Run 3: Report of Verus — Data Link

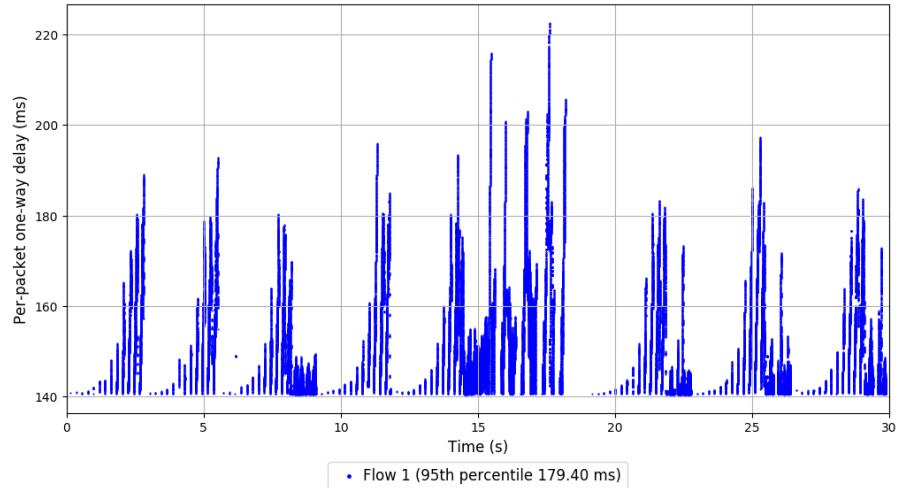
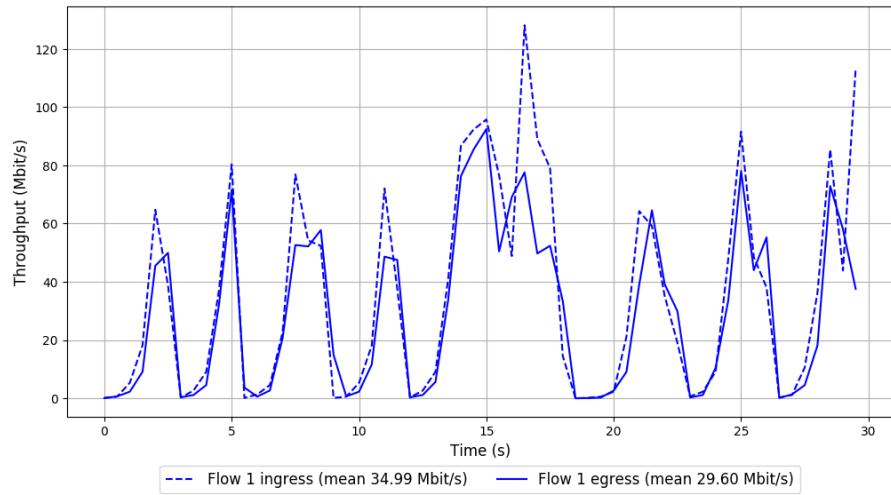


Run 4: Statistics of Verus

```
Start at: Tue, 25 Jul 2017 00:15:34 +0000
End at: Tue, 25 Jul 2017 00:16:04 +0000
Local clock offset: 0.157 ms
Remote clock offset: 0.367 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:25 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 179.395 ms
Loss rate: 16.05%
-- Flow 1:
Average throughput: 29.60 Mbit/s
95th percentile per-packet one-way delay: 179.395 ms
Loss rate: 16.05%
```

Run 4: Report of Verus — Data Link

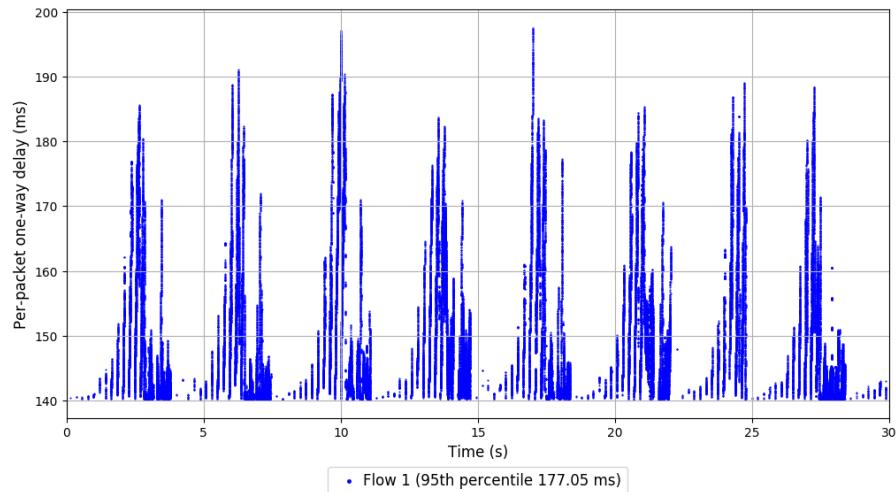
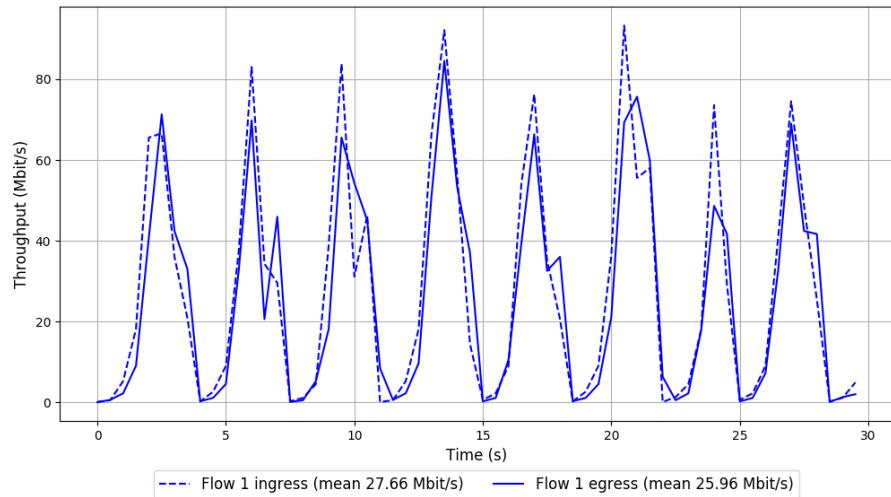


Run 5: Statistics of Verus

```
Start at: Tue, 25 Jul 2017 00:34:46 +0000
End at: Tue, 25 Jul 2017 00:35:16 +0000
Local clock offset: 0.293 ms
Remote clock offset: 0.814 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:26 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 177.053 ms
Loss rate: 6.81%
-- Flow 1:
Average throughput: 25.96 Mbit/s
95th percentile per-packet one-way delay: 177.053 ms
Loss rate: 6.81%
```

Run 5: Report of Verus — Data Link

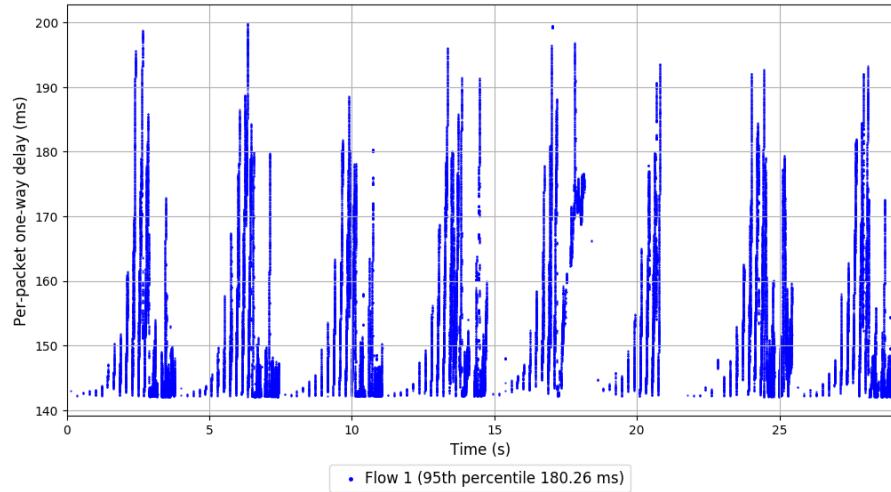
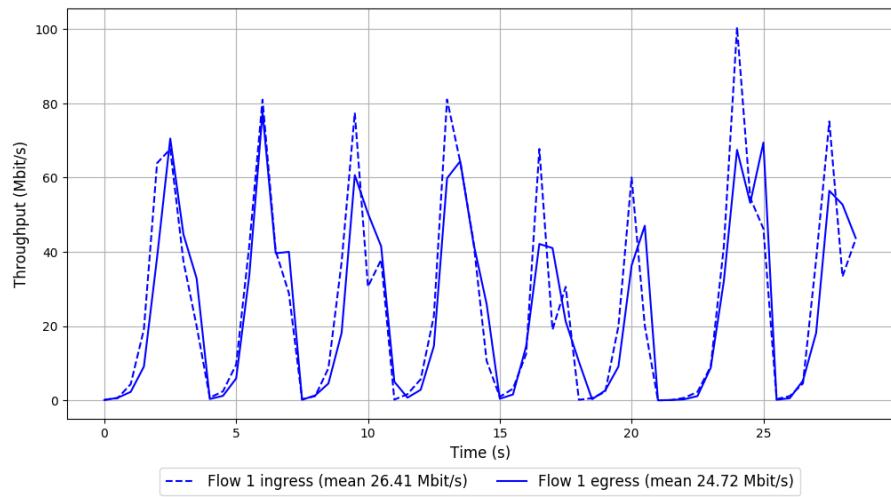


Run 6: Statistics of Verus

```
Start at: Tue, 25 Jul 2017 00:53:47 +0000
End at: Tue, 25 Jul 2017 00:54:17 +0000
Local clock offset: 1.87 ms
Remote clock offset: -0.309 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:29 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 180.257 ms
Loss rate: 6.68%
-- Flow 1:
Average throughput: 24.72 Mbit/s
95th percentile per-packet one-way delay: 180.257 ms
Loss rate: 6.68%
```

Run 6: Report of Verus — Data Link

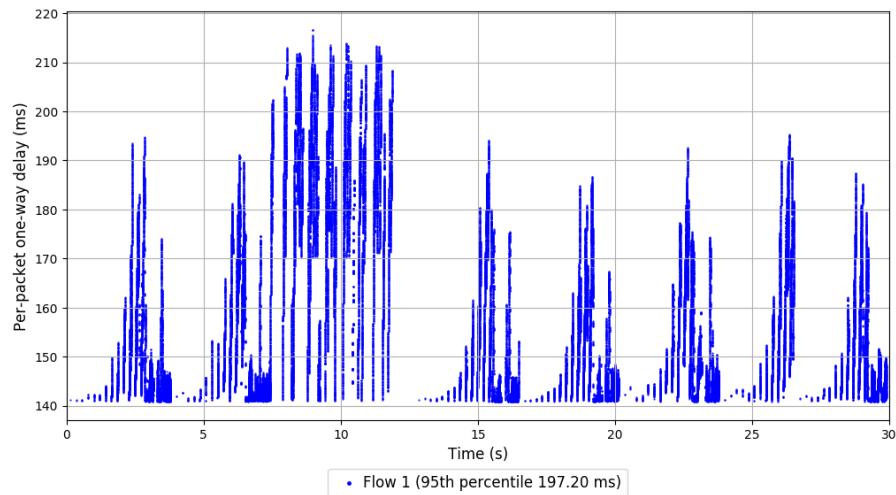
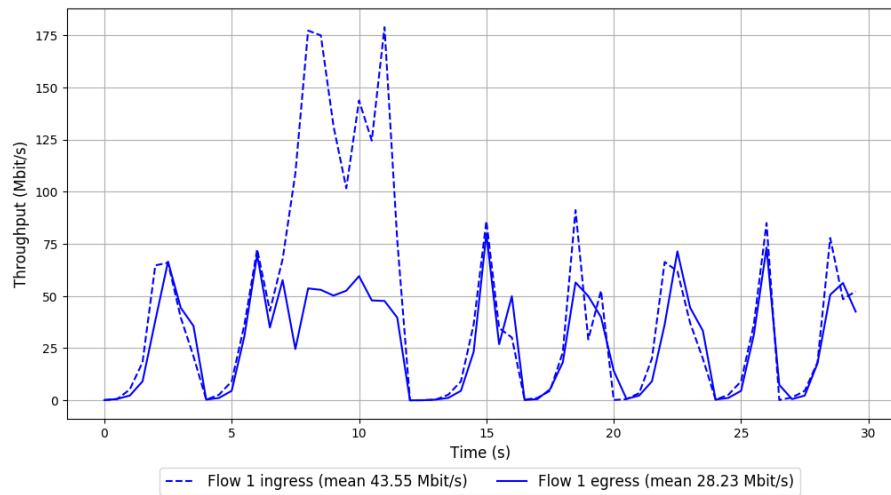


Run 7: Statistics of Verus

```
Start at: Tue, 25 Jul 2017 01:12:52 +0000
End at: Tue, 25 Jul 2017 01:13:22 +0000
Local clock offset: 0.524 ms
Remote clock offset: -0.13 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:31 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 197.200 ms
Loss rate: 35.64%
-- Flow 1:
Average throughput: 28.23 Mbit/s
95th percentile per-packet one-way delay: 197.200 ms
Loss rate: 35.64%
```

Run 7: Report of Verus — Data Link

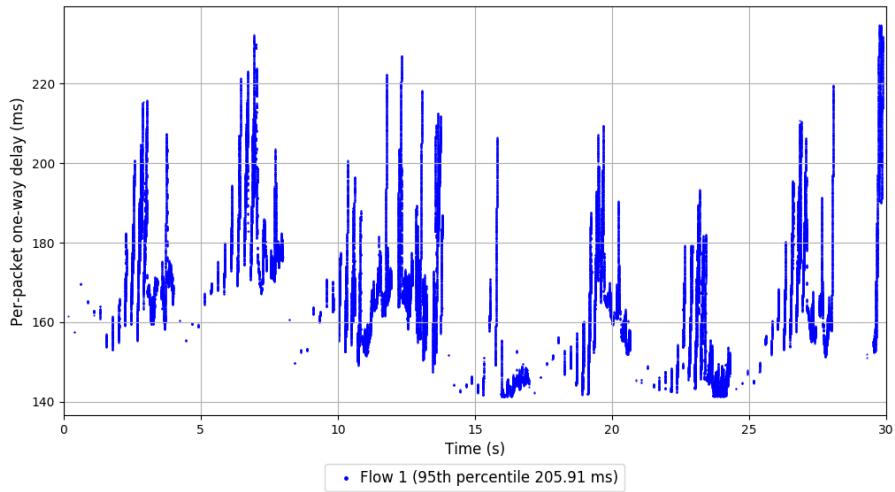
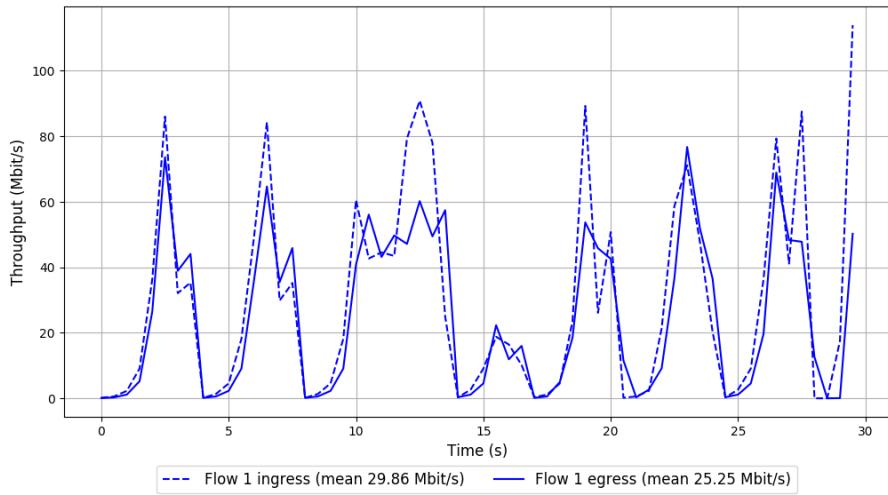


Run 8: Statistics of Verus

```
Start at: Tue, 25 Jul 2017 01:31:52 +0000
End at: Tue, 25 Jul 2017 01:32:22 +0000
Local clock offset: 0.472 ms
Remote clock offset: -8.654 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:33 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.25 Mbit/s
95th percentile per-packet one-way delay: 205.908 ms
Loss rate: 15.47%
-- Flow 1:
Average throughput: 25.25 Mbit/s
95th percentile per-packet one-way delay: 205.908 ms
Loss rate: 15.47%
```

Run 8: Report of Verus — Data Link

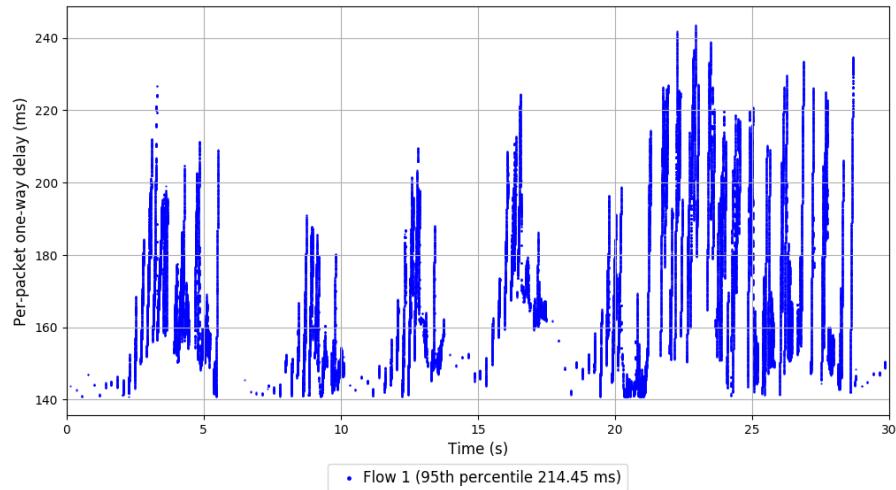
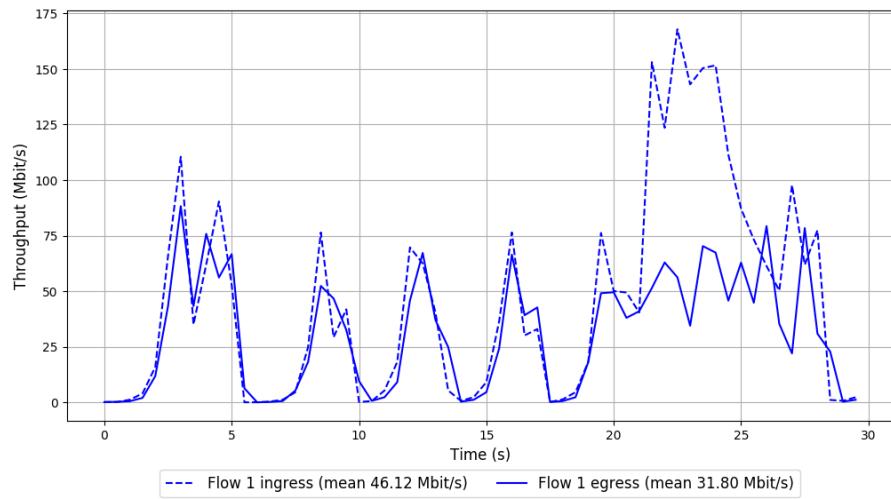


Run 9: Statistics of Verus

```
Start at: Tue, 25 Jul 2017 01:50:57 +0000
End at: Tue, 25 Jul 2017 01:51:27 +0000
Local clock offset: 0.568 ms
Remote clock offset: -1.764 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:36 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 214.454 ms
Loss rate: 31.53%
-- Flow 1:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 214.454 ms
Loss rate: 31.53%
```

Run 9: Report of Verus — Data Link

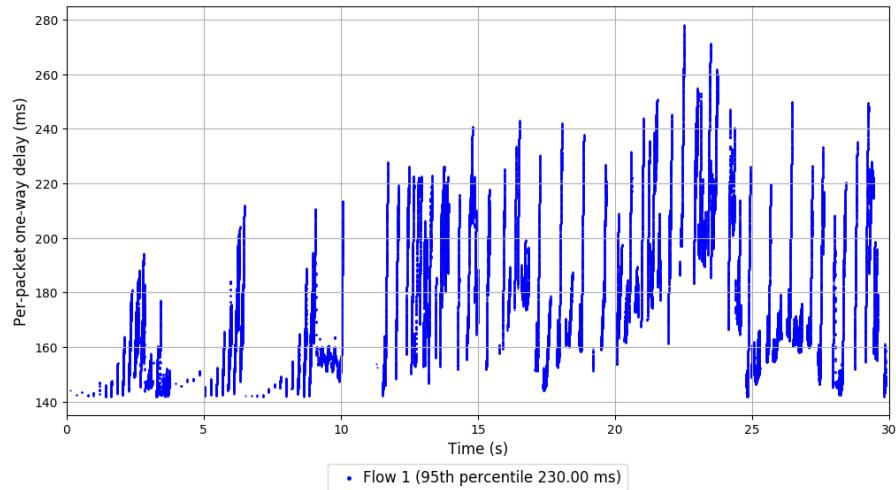
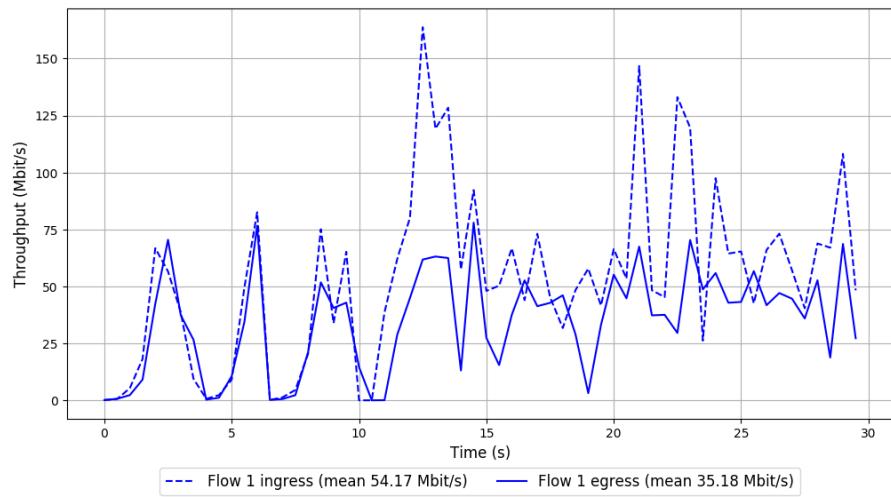


Run 10: Statistics of Verus

```
Start at: Tue, 25 Jul 2017 02:10:01 +0000
End at: Tue, 25 Jul 2017 02:10:31 +0000
Local clock offset: 1.786 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 229.998 ms
Loss rate: 35.15%
-- Flow 1:
Average throughput: 35.18 Mbit/s
95th percentile per-packet one-way delay: 229.998 ms
Loss rate: 35.15%
```

Run 10: Report of Verus — Data Link

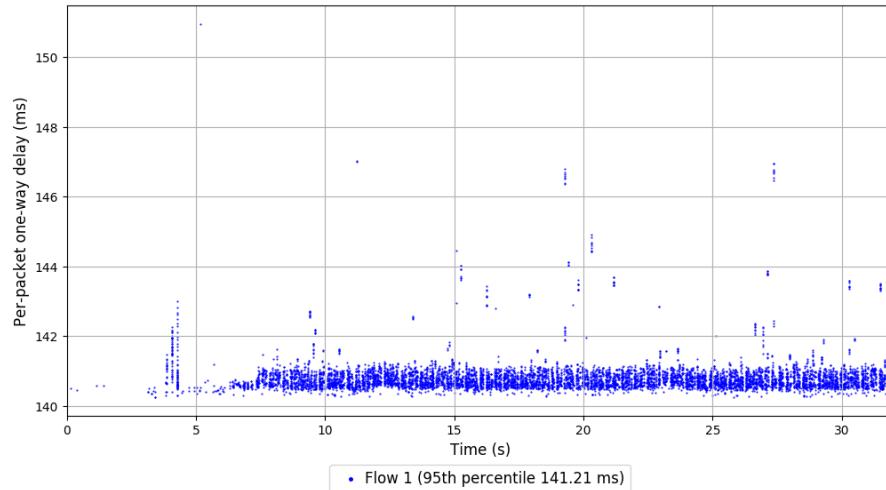
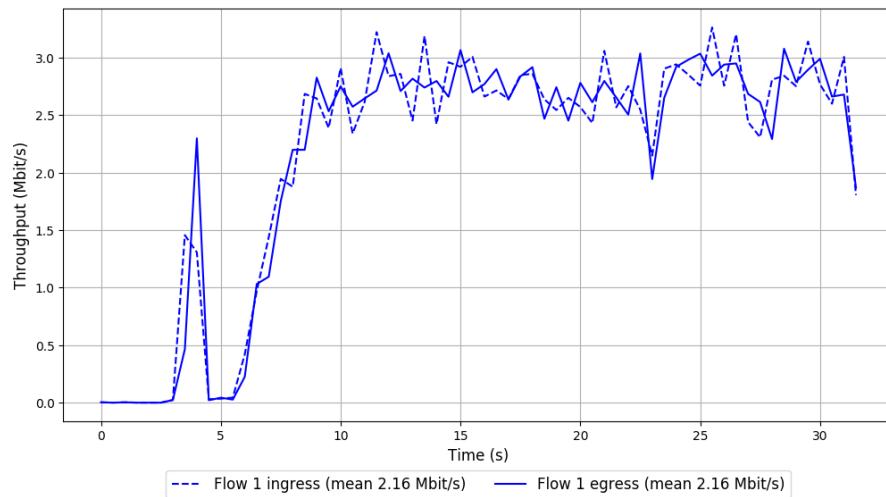


```
Run 1: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 23:15:19 +0000
End at: Mon, 24 Jul 2017 23:15:49 +0000
Local clock offset: -0.033 ms
Remote clock offset: 7.767 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 141.208 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 141.208 ms
Loss rate: 0.66%
```

Run 1: Report of WebRTC media — Data Link

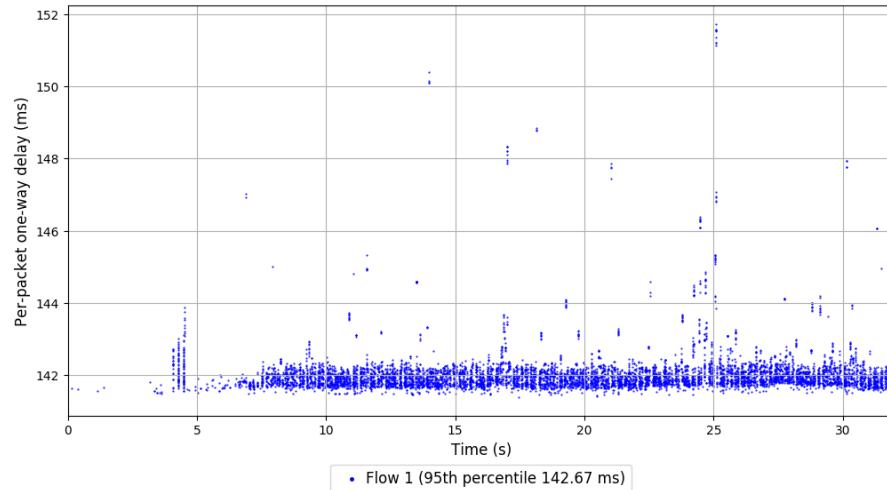
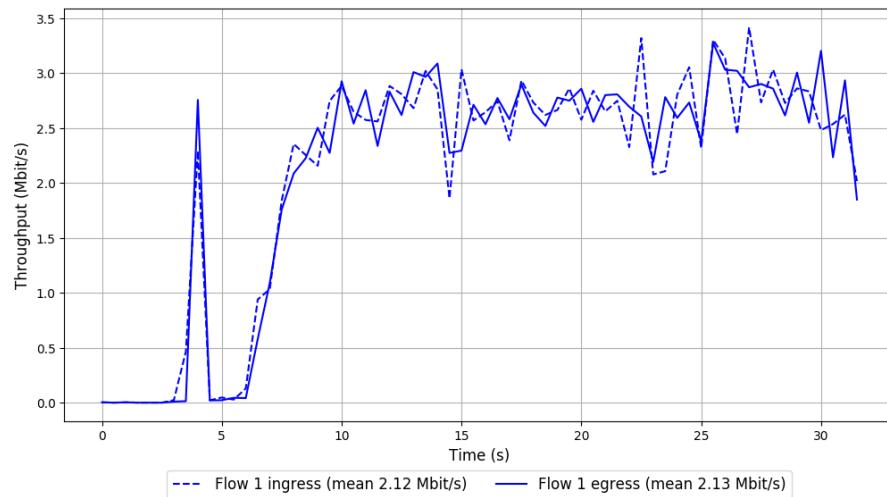


Run 2: Statistics of WebRTC media

```
Start at: Mon, 24 Jul 2017 23:34:37 +0000
End at: Mon, 24 Jul 2017 23:35:07 +0000
Local clock offset: 1.323 ms
Remote clock offset: 6.741 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 142.672 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 142.672 ms
Loss rate: 0.43%
```

Run 2: Report of WebRTC media — Data Link

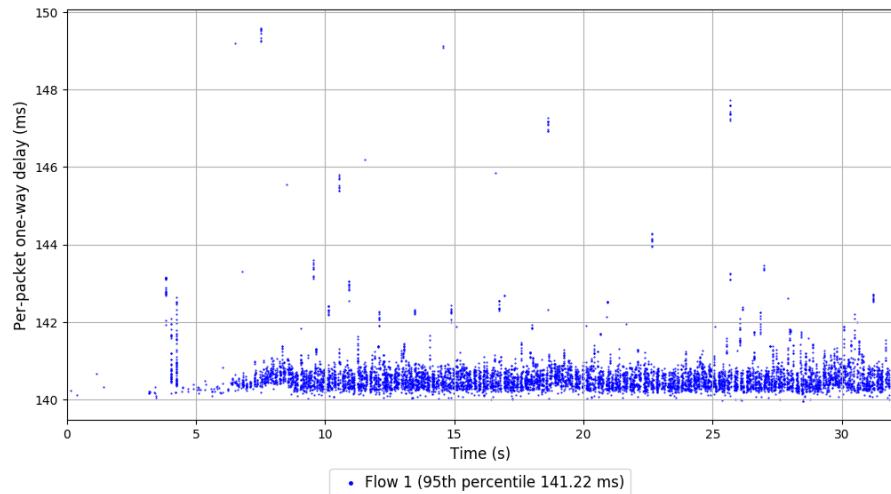
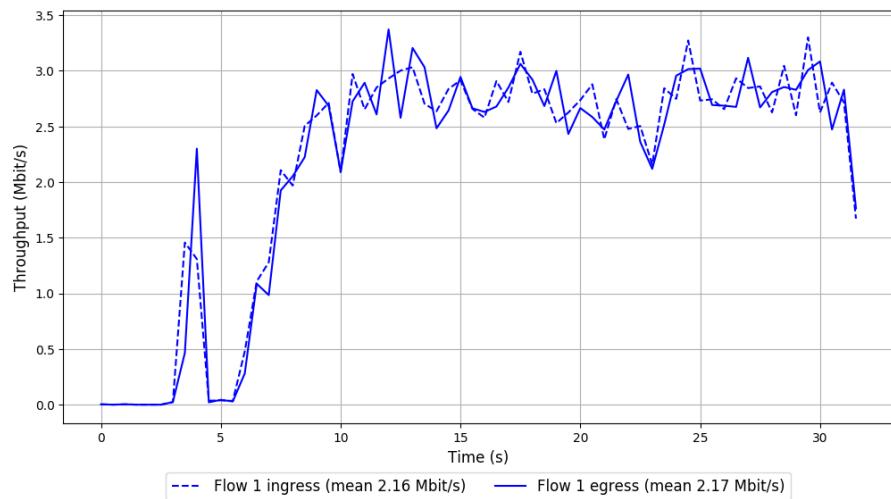


Run 3: Statistics of WebRTC media

```
Start at: Mon, 24 Jul 2017 23:53:59 +0000
End at: Mon, 24 Jul 2017 23:54:29 +0000
Local clock offset: 0.086 ms
Remote clock offset: 5.273 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 141.225 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 141.225 ms
Loss rate: 0.54%
```

Run 3: Report of WebRTC media — Data Link

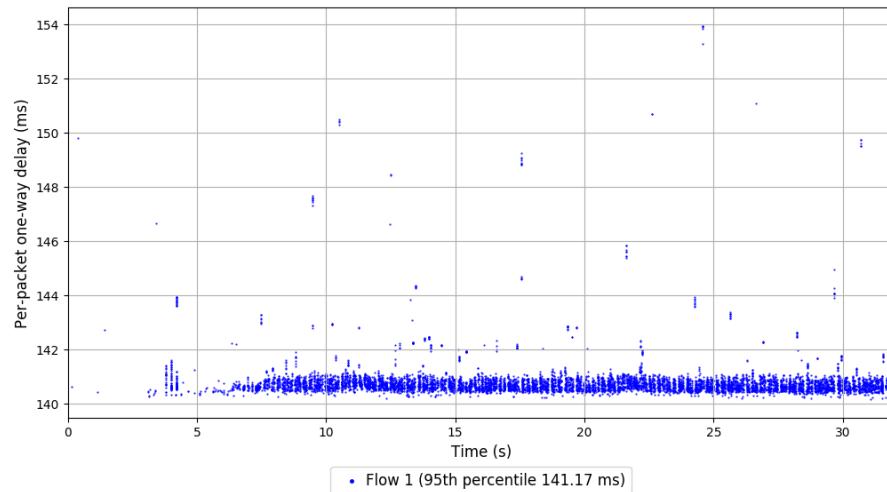
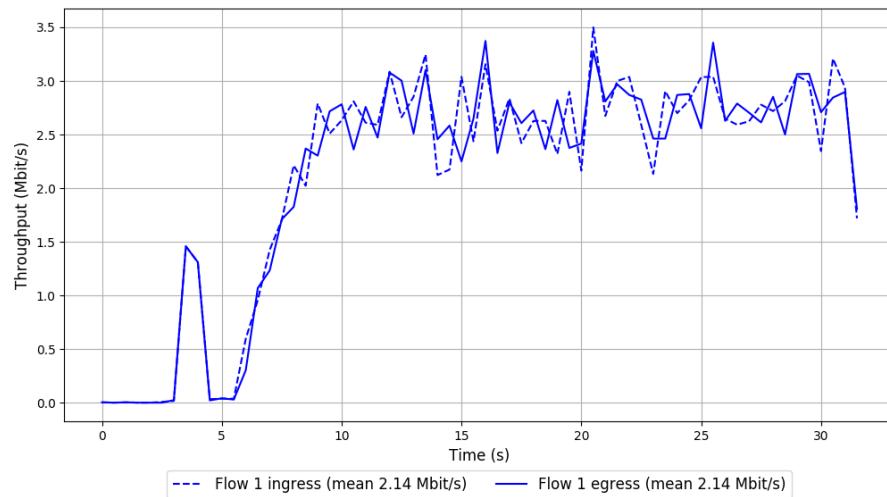


Run 4: Statistics of WebRTC media

```
Start at: Tue, 25 Jul 2017 00:13:07 +0000
End at: Tue, 25 Jul 2017 00:13:37 +0000
Local clock offset: 0.108 ms
Remote clock offset: 0.731 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 141.167 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 141.167 ms
Loss rate: 0.57%
```

Run 4: Report of WebRTC media — Data Link

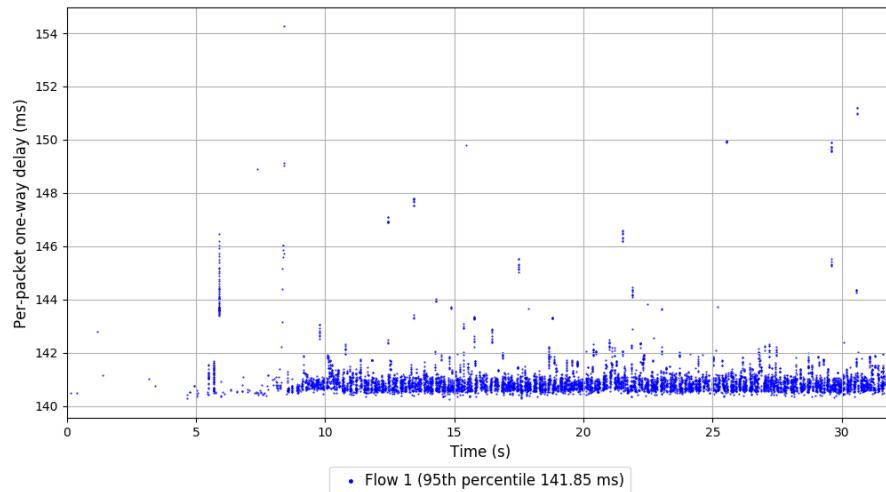
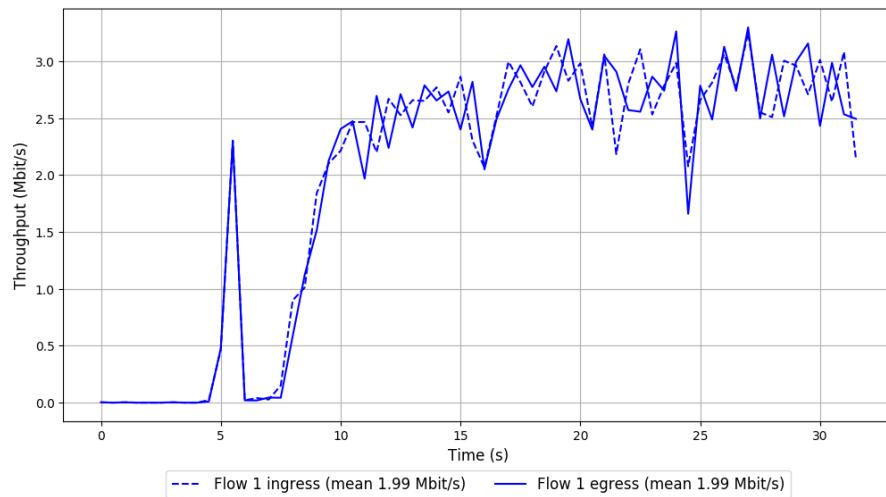


```
Run 5: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 00:32:19 +0000
End at: Tue, 25 Jul 2017 00:32:49 +0000
Local clock offset: 0.275 ms
Remote clock offset: 0.743 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:42 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 141.854 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 141.854 ms
Loss rate: 0.73%
```

Run 5: Report of WebRTC media — Data Link

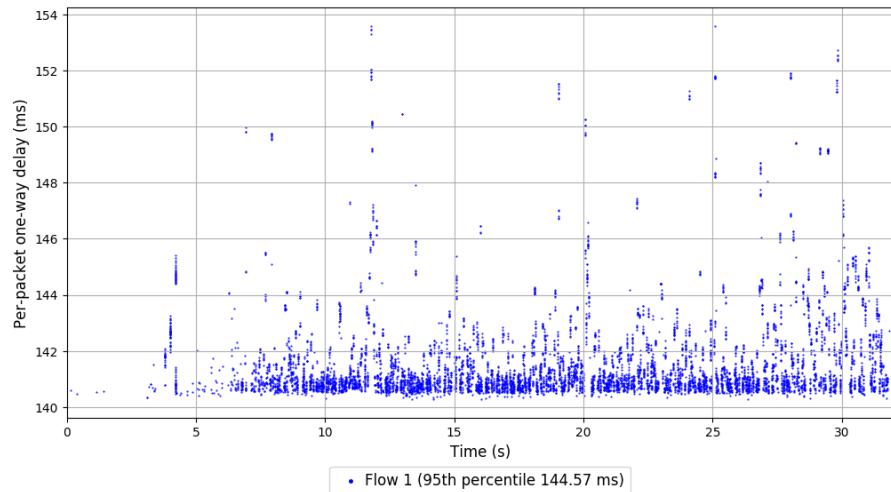
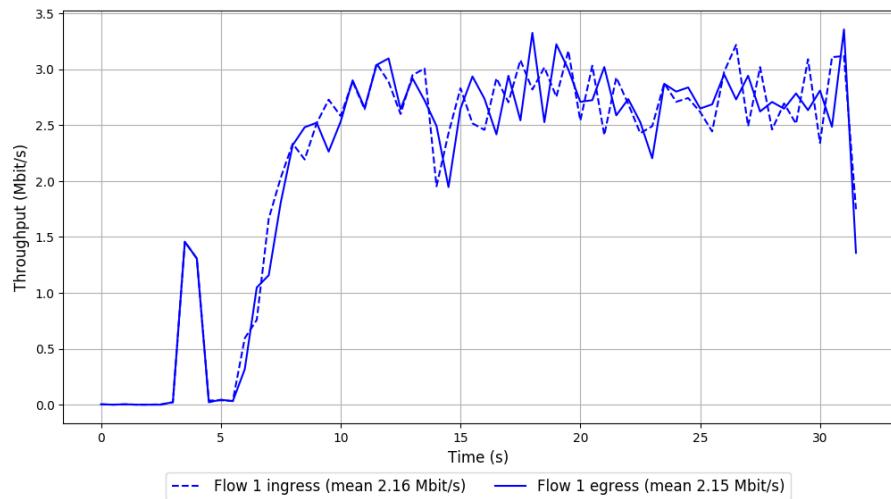


```
Run 6: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 00:51:20 +0000
End at: Tue, 25 Jul 2017 00:51:50 +0000
Local clock offset: 0.364 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:43 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 144.569 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 144.569 ms
Loss rate: 0.89%
```

Run 6: Report of WebRTC media — Data Link

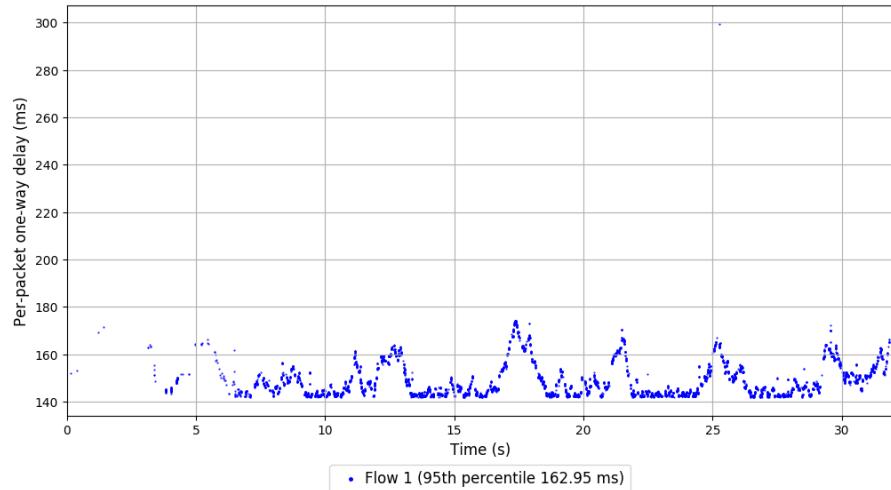
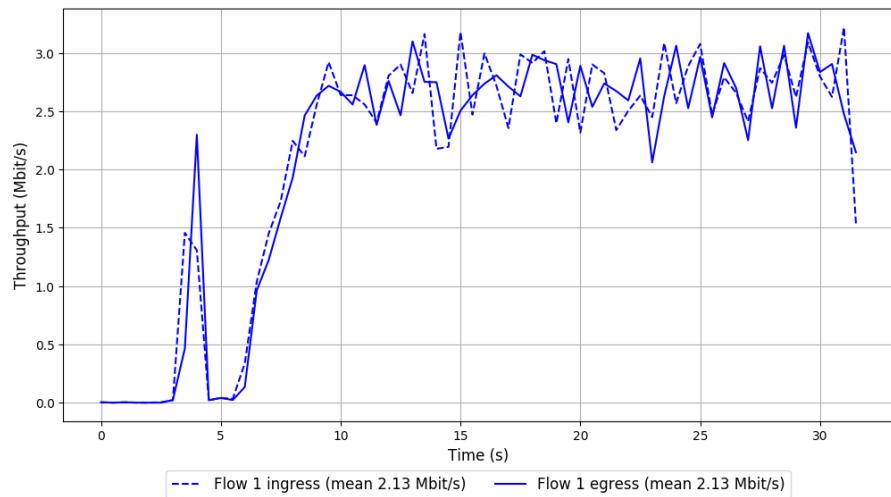


Run 7: Statistics of WebRTC media

```
Start at: Tue, 25 Jul 2017 01:10:24 +0000
End at: Tue, 25 Jul 2017 01:10:54 +0000
Local clock offset: 1.749 ms
Remote clock offset: -0.166 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 162.948 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 162.948 ms
Loss rate: 0.69%
```

Run 7: Report of WebRTC media — Data Link

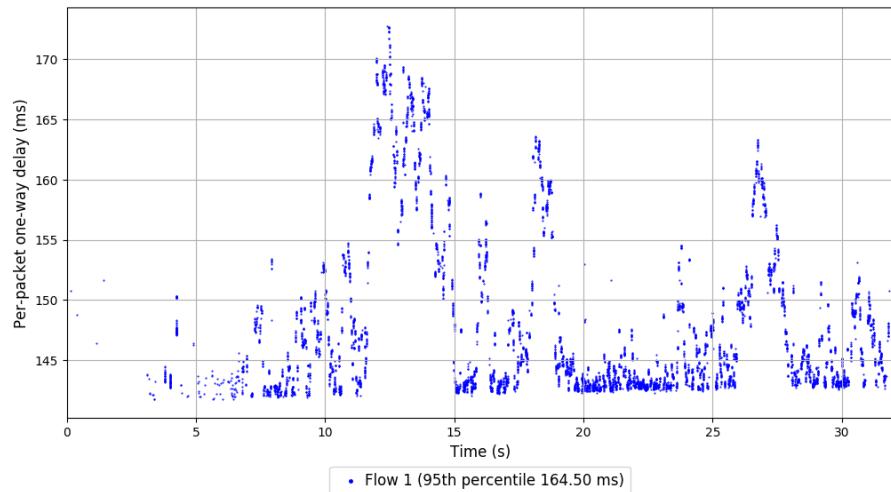
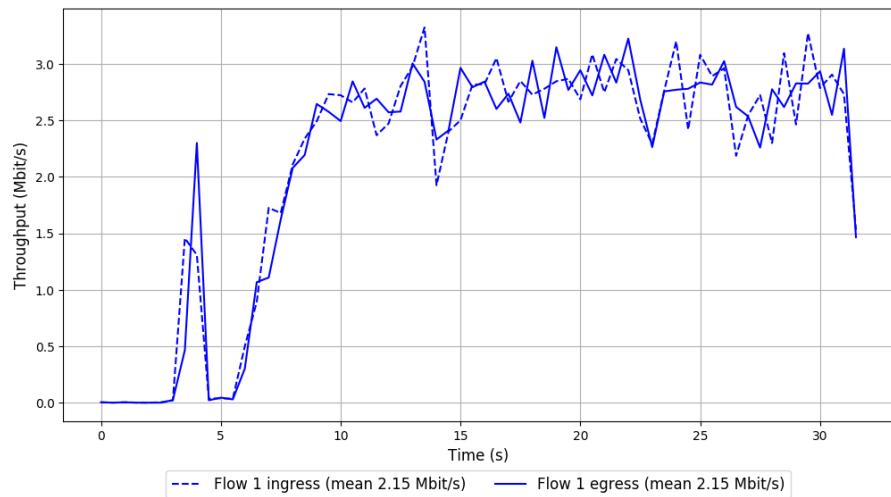


Run 8: Statistics of WebRTC media

```
Start at: Tue, 25 Jul 2017 01:29:25 +0000
End at: Tue, 25 Jul 2017 01:29:55 +0000
Local clock offset: 1.804 ms
Remote clock offset: -12.722 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:44 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 164.500 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 164.500 ms
Loss rate: 0.64%
```

Run 8: Report of WebRTC media — Data Link

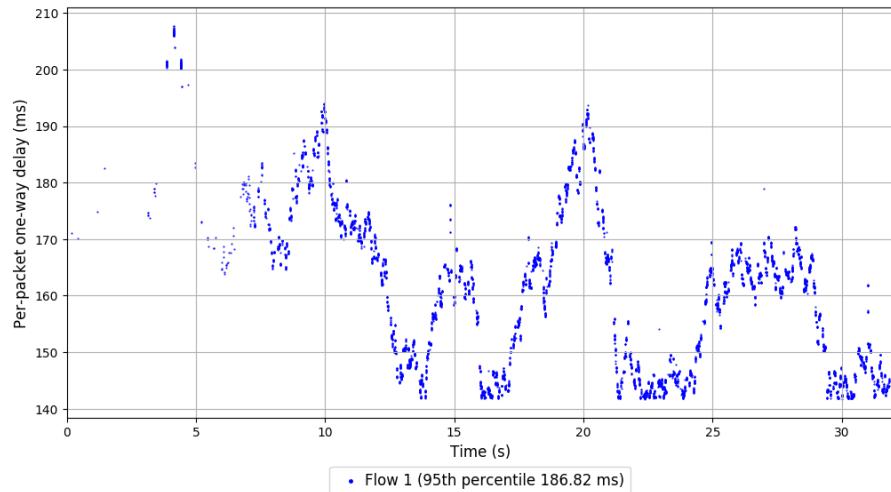
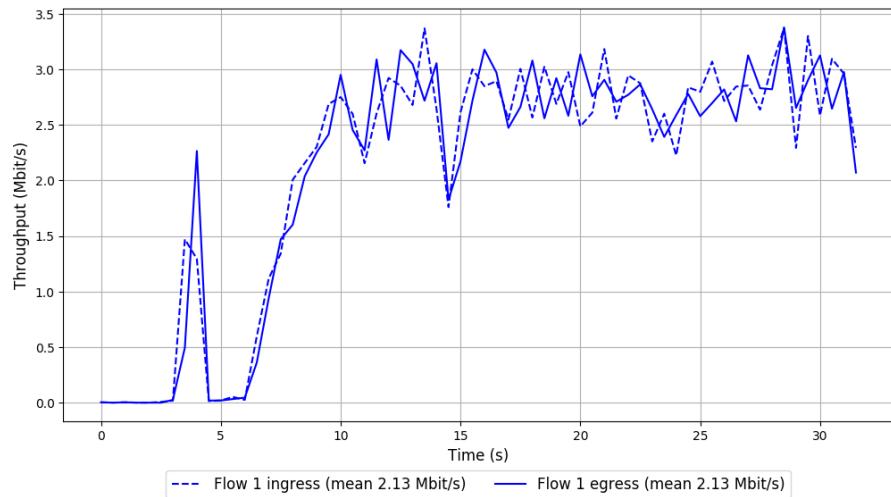


Run 9: Statistics of WebRTC media

```
Start at: Tue, 25 Jul 2017 01:48:29 +0000
End at: Tue, 25 Jul 2017 01:48:59 +0000
Local clock offset: 1.792 ms
Remote clock offset: 0.902 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:45 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 186.819 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 2.13 Mbit/s
95th percentile per-packet one-way delay: 186.819 ms
Loss rate: 0.87%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 02:07:34 +0000
End at: Tue, 25 Jul 2017 02:08:04 +0000
Local clock offset: 0.442 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at Tue, 25 Jul 2017 02:48:46 +0000
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 146.128 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 2.16 Mbit/s
95th percentile per-packet one-way delay: 146.128 ms
Loss rate: 0.54%
```

Run 10: Report of WebRTC media — Data Link

