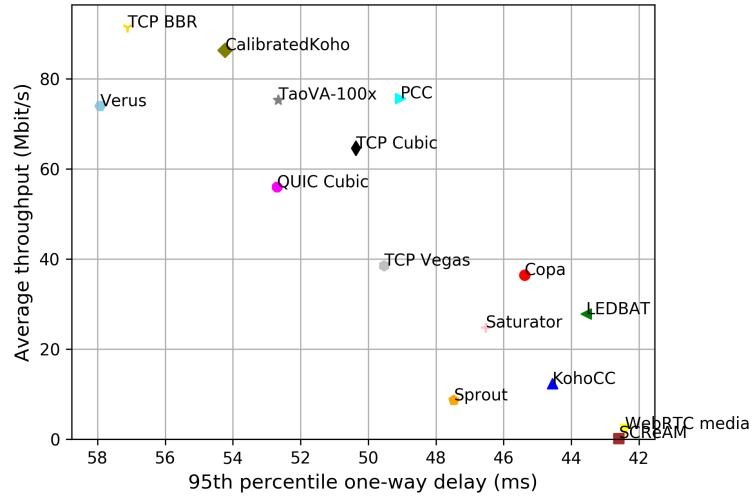


## Pantheon Report

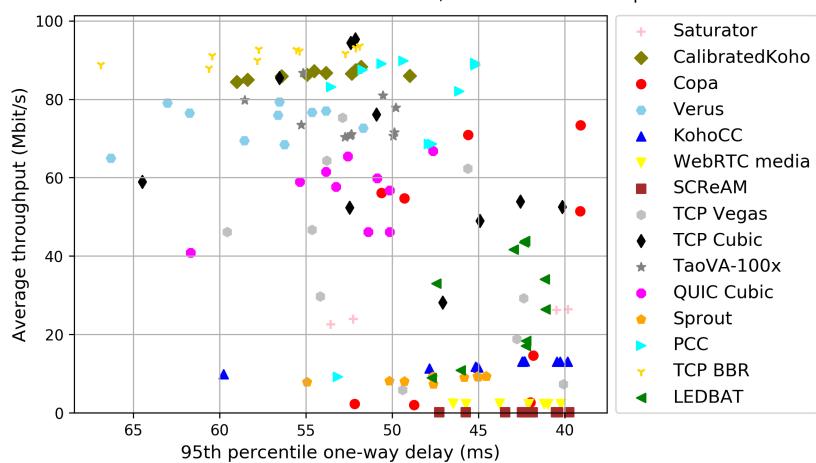
Generated at 2017-08-22 01:08:40 (UTC).  
Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).  
Repeated the test of 15 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).  
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

```
Git summary:  
branch: master @ e43be7582298d552838afcfc6382342bf187fbbd6  
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50  
  M datagrump/sender.cc  
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725  
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681  
  M datagrump/sender.cc  
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf  
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7  
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4  
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1  
  M receiver/src/buffer.h  
  M receiver/src/core.cpp  
  M sender/src/buffer.h  
  M sender/src/core.cpp  
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42  
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885  
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681  
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce  
  M src/examples/cellsim.cc  
  M src/examples/sproutbt2.cc  
  M src/network/sproutconn.cc  
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494  
  M src/verus.hpp  
  M tools/plot.py  
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



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



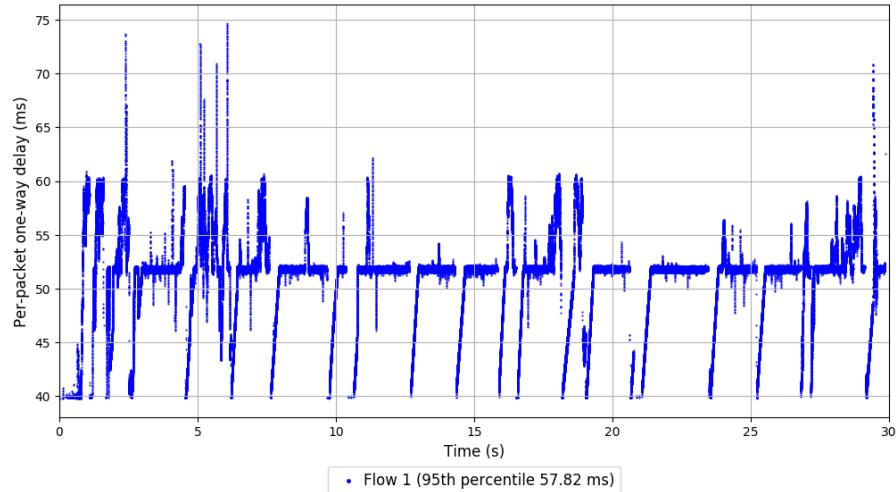
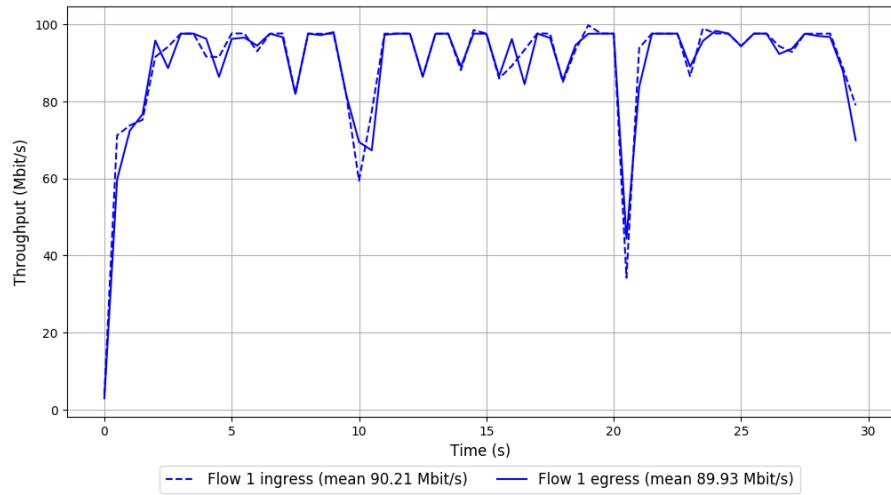
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	91.39	57.12	0.46
CalibratedKoho	10	86.37	54.23	0.47
Copa	9	36.47	45.38	0.34
TCP Cubic	10	64.62	50.37	0.39
KohoCC	10	12.32	44.56	0.39
LEDBAT	10	27.79	43.56	0.51
PCC	10	75.62	49.05	0.42
QUIC Cubic	10	56.02	52.69	0.47
Saturator	4	24.78	46.53	0.39
SCReAM	10	0.22	42.60	0.33
Sprout	10	8.68	47.47	0.36
TaoVA-100x	10	75.33	52.66	0.45
TCP Vegas	10	38.57	49.53	0.35
Verus	10	73.99	57.92	0.51
WebRTC media	9	2.30	42.41	0.42

Run 1: Statistics of TCP BBR

```
Start at: 2017-08-21 17:51:23
End at: 2017-08-21 17:51:53
Local clock offset: 0.517 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2017-08-22 00:59:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 57.819 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 57.819 ms
Loss rate: 0.59%
```

## Run 1: Report of TCP BBR — Data Link

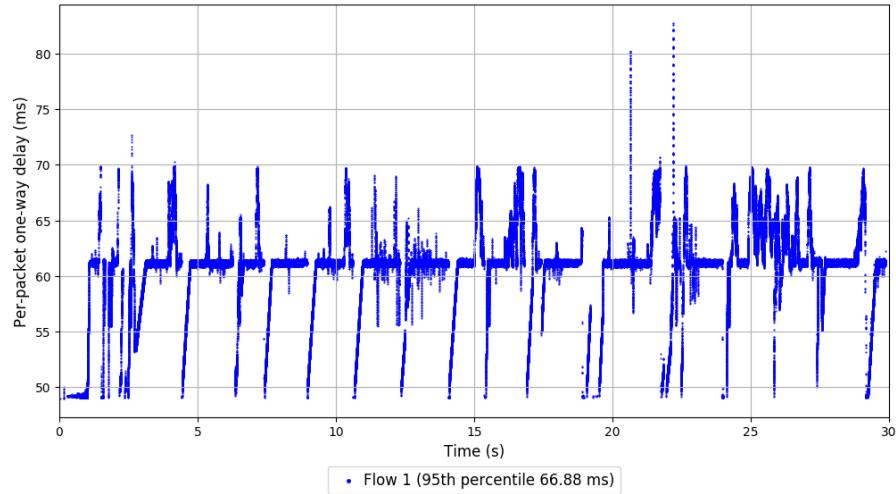
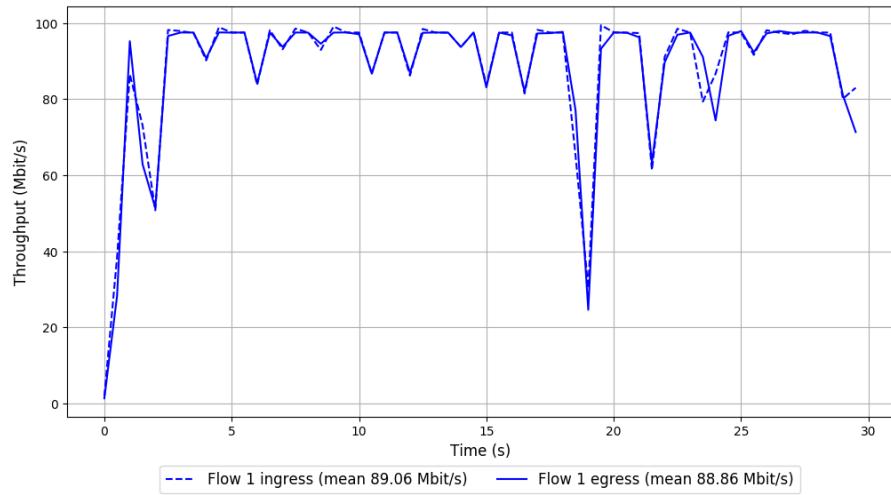


Run 2: Statistics of TCP BBR

```
Start at: 2017-08-21 18:12:22
End at: 2017-08-21 18:12:52
Local clock offset: 0.326 ms
Remote clock offset: -8.739 ms

# Below is generated by plot.py at 2017-08-22 00:59:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 66.878 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 88.86 Mbit/s
95th percentile per-packet one-way delay: 66.878 ms
Loss rate: 0.60%
```

## Run 2: Report of TCP BBR — Data Link

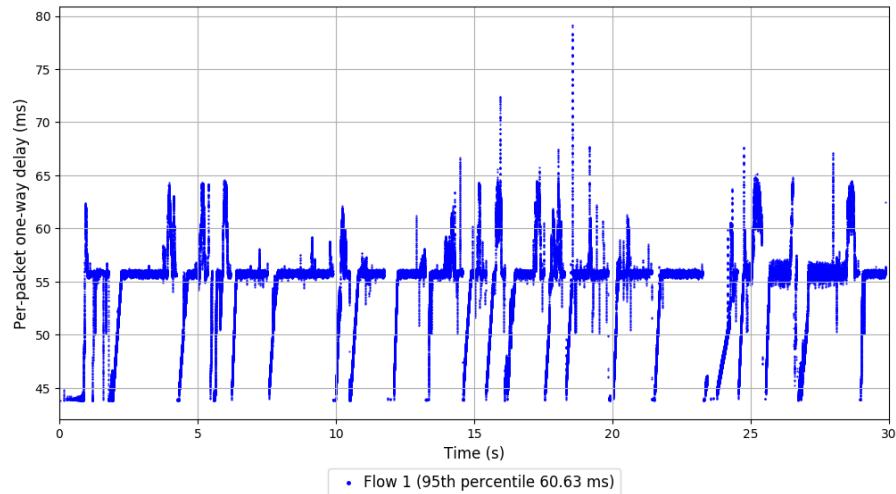
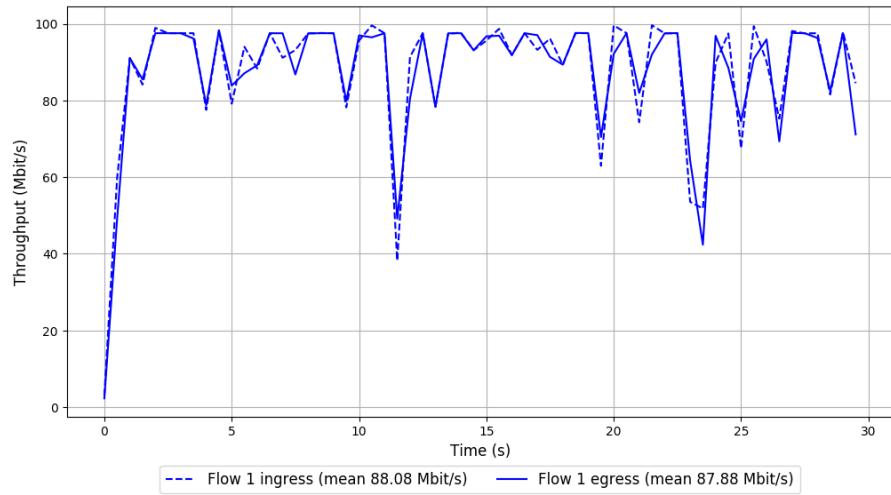


Run 3: Statistics of TCP BBR

```
Start at: 2017-08-21 18:32:35
End at: 2017-08-21 18:33:05
Local clock offset: 0.441 ms
Remote clock offset: -3.634 ms

# Below is generated by plot.py at 2017-08-22 00:59:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 60.626 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 87.88 Mbit/s
95th percentile per-packet one-way delay: 60.626 ms
Loss rate: 0.59%
```

### Run 3: Report of TCP BBR — Data Link

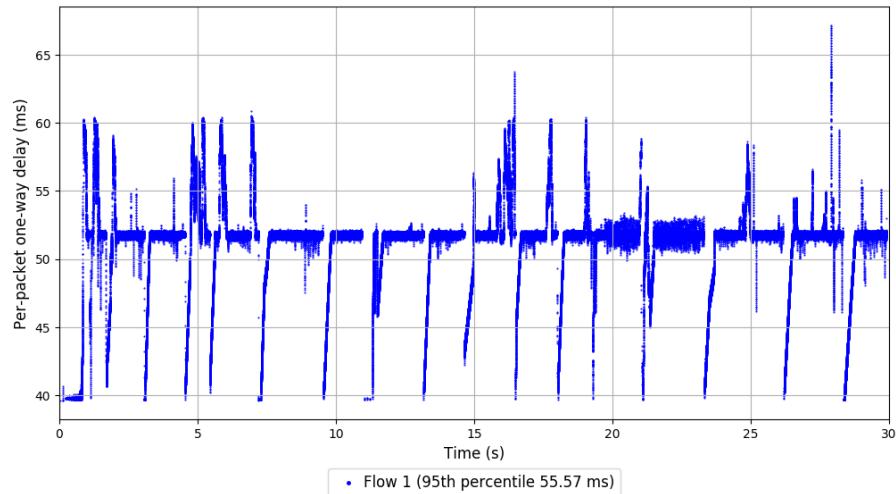
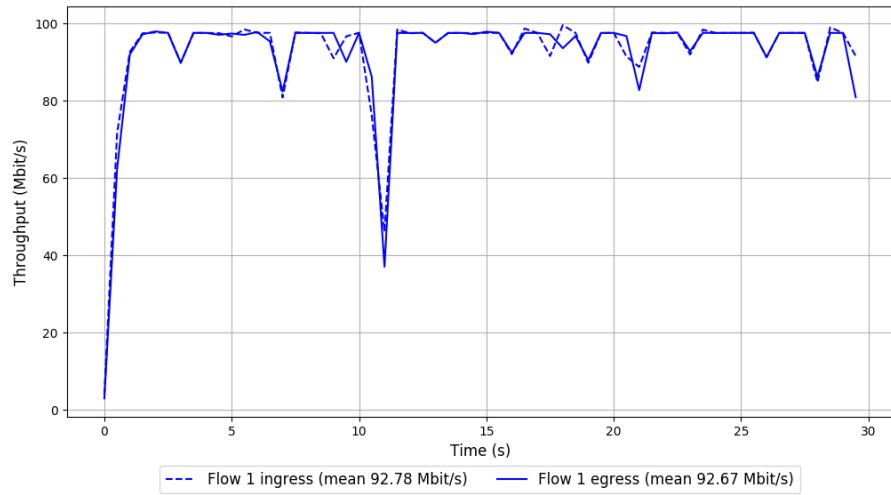


Run 4: Statistics of TCP BBR

```
Start at: 2017-08-21 18:52:40
End at: 2017-08-21 18:53:10
Local clock offset: 0.328 ms
Remote clock offset: 1.572 ms

# Below is generated by plot.py at 2017-08-22 00:59:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 55.566 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 92.67 Mbit/s
95th percentile per-packet one-way delay: 55.566 ms
Loss rate: 0.45%
```

### Run 4: Report of TCP BBR — Data Link

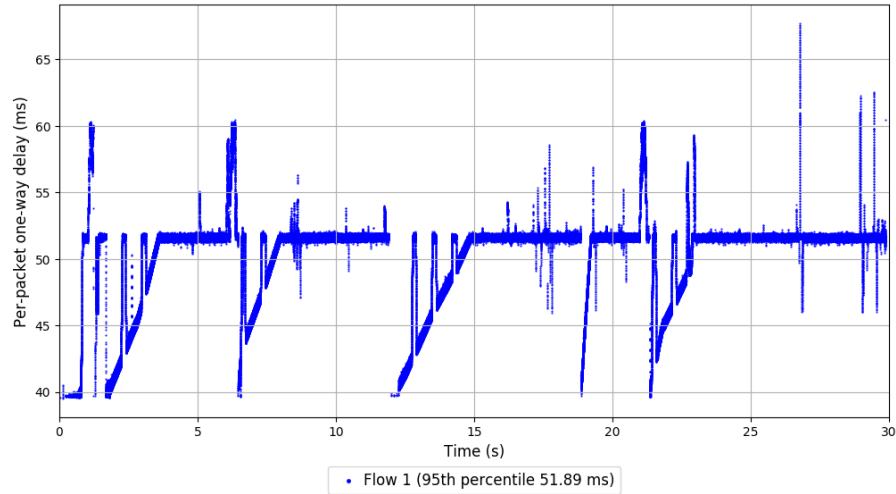
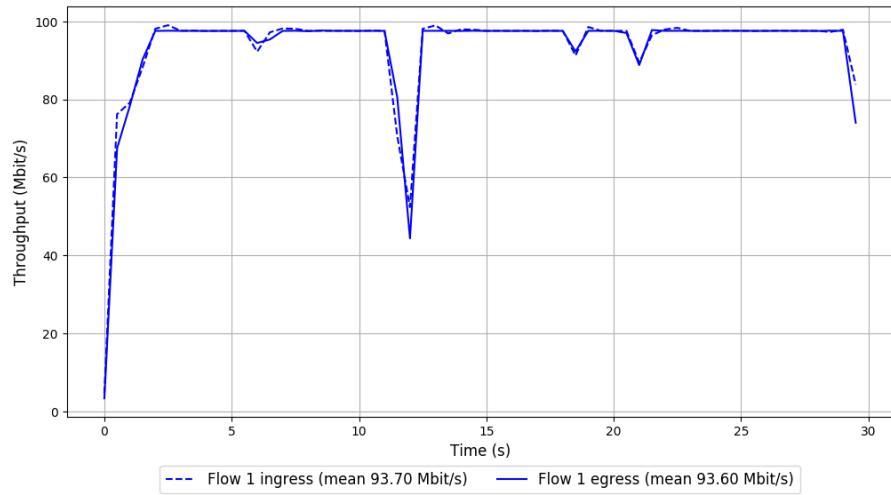


Run 5: Statistics of TCP BBR

```
Start at: 2017-08-21 19:13:30
End at: 2017-08-21 19:14:00
Local clock offset: 0.35 ms
Remote clock offset: 1.156 ms

# Below is generated by plot.py at 2017-08-22 01:00:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 51.892 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 93.60 Mbit/s
95th percentile per-packet one-way delay: 51.892 ms
Loss rate: 0.40%
```

### Run 5: Report of TCP BBR — Data Link

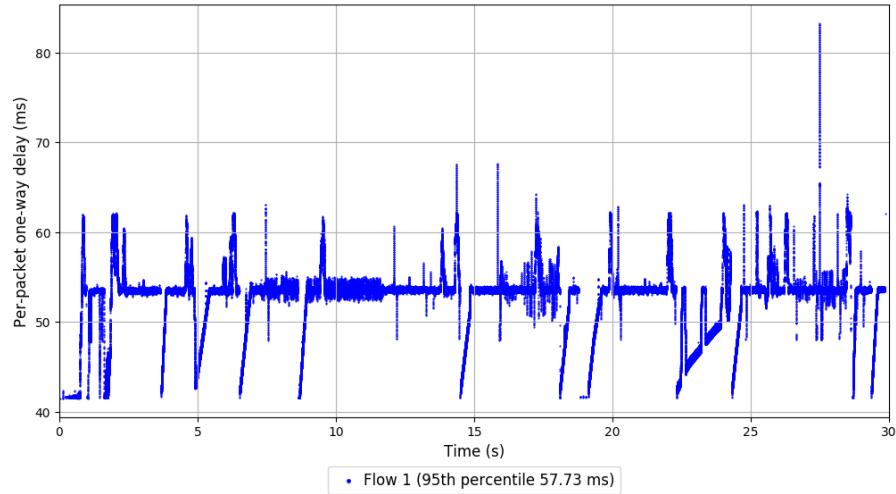
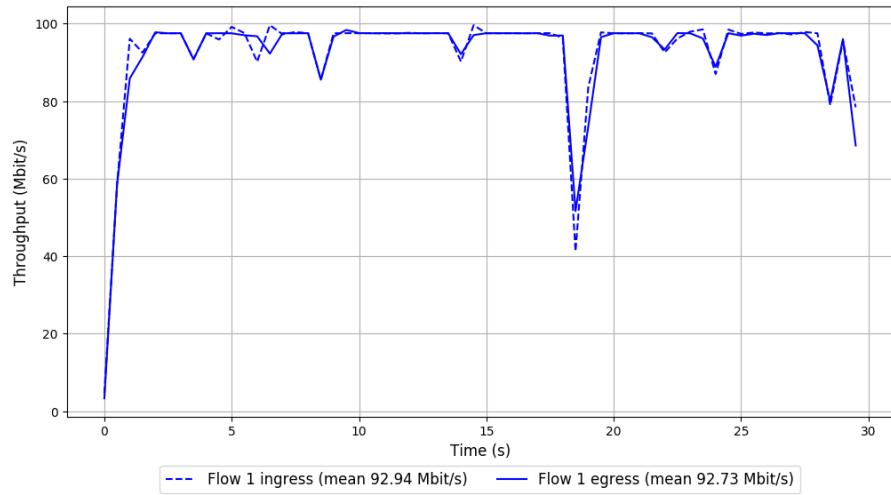


Run 6: Statistics of TCP BBR

```
Start at: 2017-08-21 19:33:53
End at: 2017-08-21 19:34:23
Local clock offset: 0.26 ms
Remote clock offset: -0.572 ms

# Below is generated by plot.py at 2017-08-22 01:00:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 57.735 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 92.73 Mbit/s
95th percentile per-packet one-way delay: 57.735 ms
Loss rate: 0.52%
```

### Run 6: Report of TCP BBR — Data Link

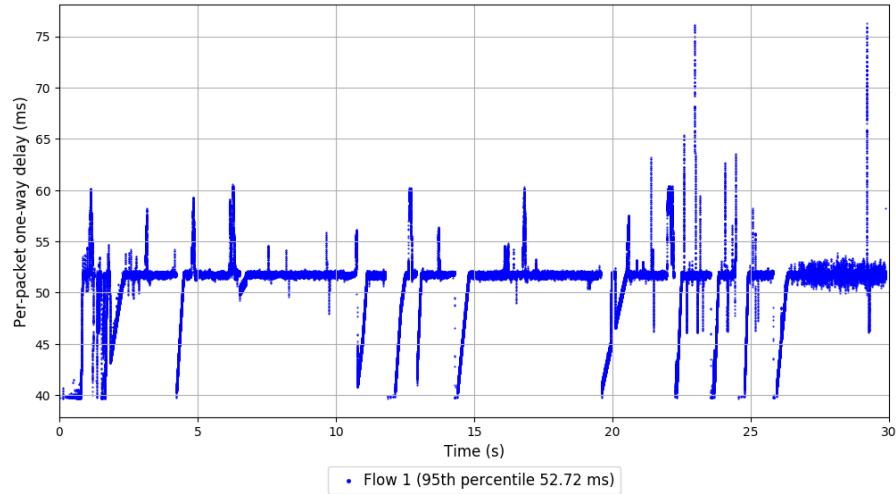
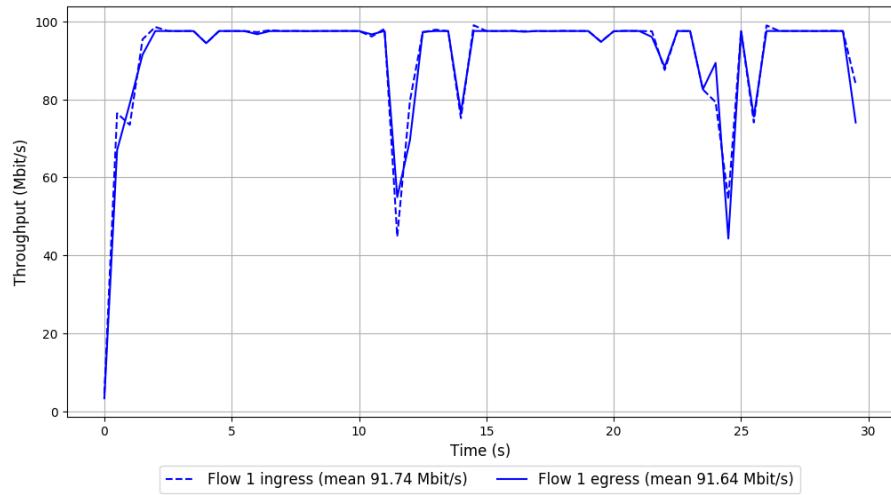


Run 7: Statistics of TCP BBR

```
Start at: 2017-08-21 19:54:33
End at: 2017-08-21 19:55:03
Local clock offset: 0.171 ms
Remote clock offset: 1.889 ms

# Below is generated by plot.py at 2017-08-22 01:00:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.64 Mbit/s
95th percentile per-packet one-way delay: 52.719 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 91.64 Mbit/s
95th percentile per-packet one-way delay: 52.719 ms
Loss rate: 0.40%
```

### Run 7: Report of TCP BBR — Data Link

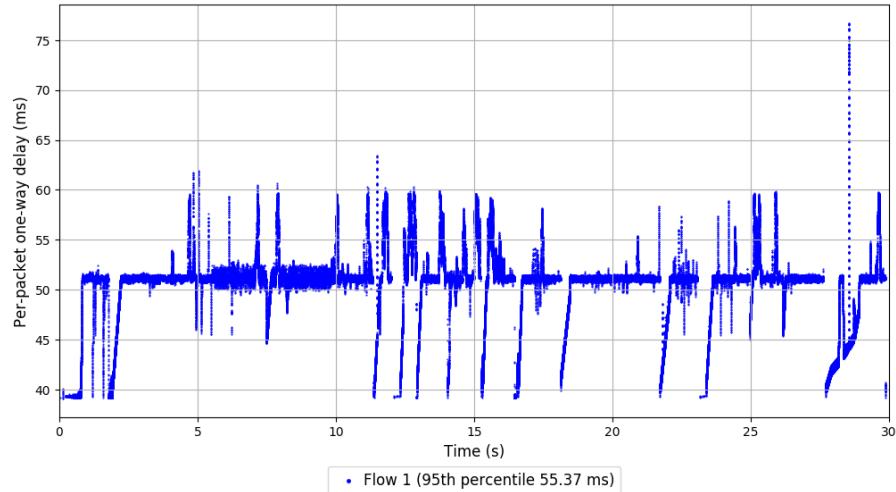
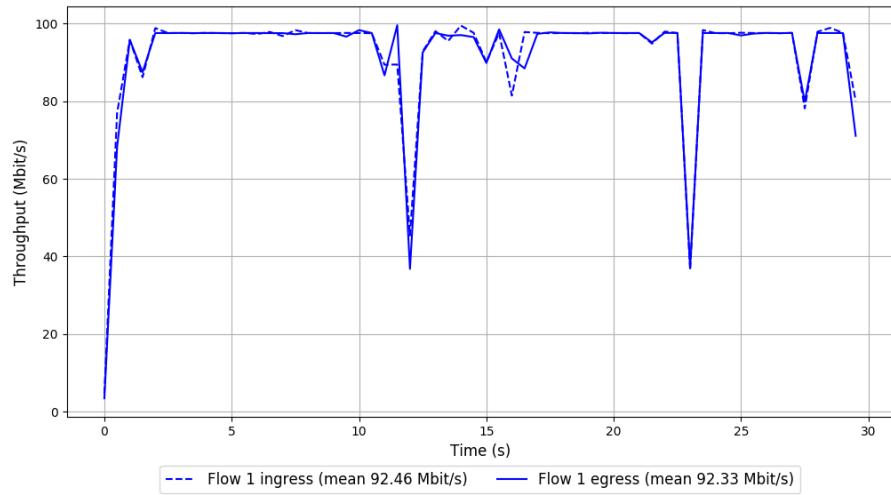


Run 8: Statistics of TCP BBR

```
Start at: 2017-08-21 20:14:55
End at: 2017-08-21 20:15:25
Local clock offset: 0.033 ms
Remote clock offset: 1.896 ms

# Below is generated by plot.py at 2017-08-22 01:00:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 55.371 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 55.371 ms
Loss rate: 0.43%
```

### Run 8: Report of TCP BBR — Data Link

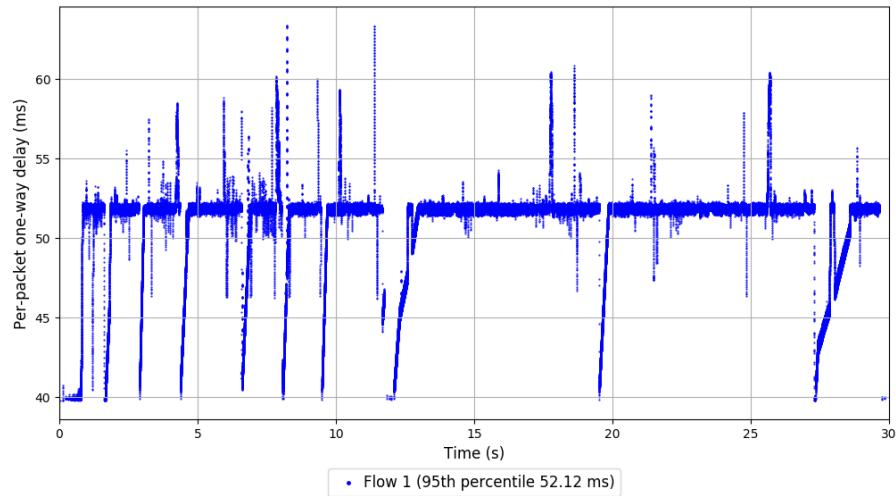
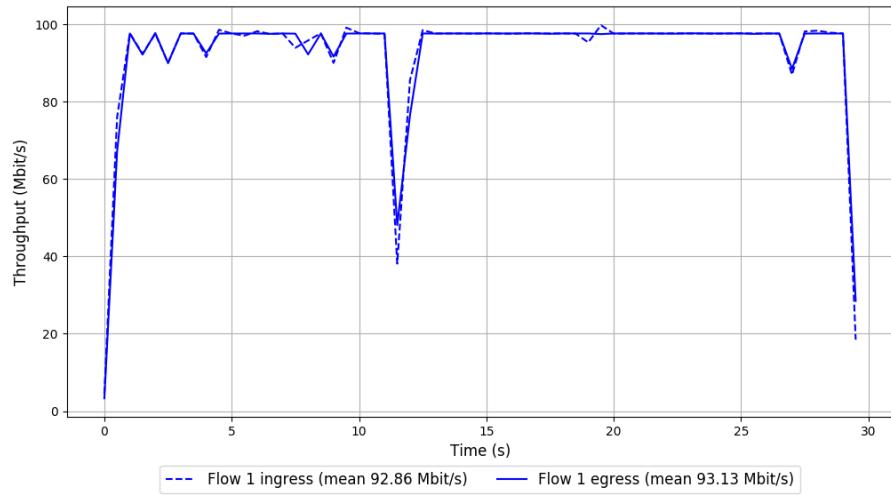


Run 9: Statistics of TCP BBR

```
Start at: 2017-08-21 20:35:09
End at: 2017-08-21 20:35:39
Local clock offset: -0.104 ms
Remote clock offset: 1.94 ms

# Below is generated by plot.py at 2017-08-22 01:00:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 52.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.13 Mbit/s
95th percentile per-packet one-way delay: 52.120 ms
Loss rate: 0.00%
```

### Run 9: Report of TCP BBR — Data Link

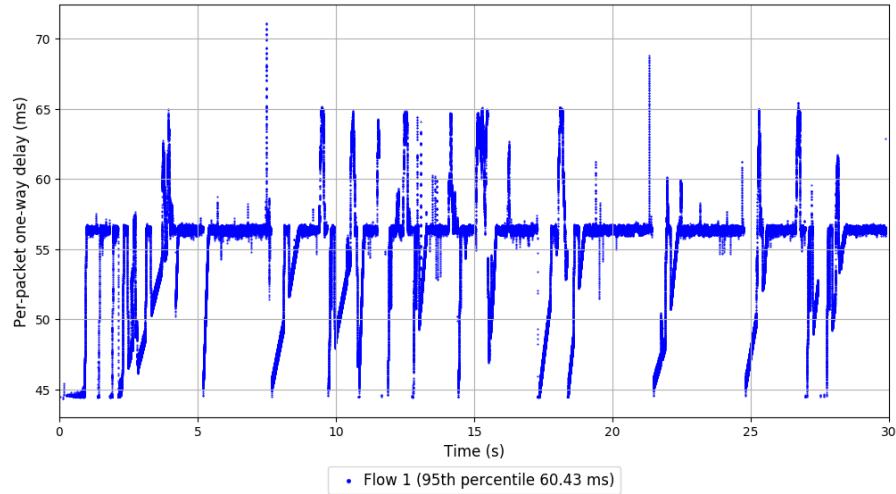
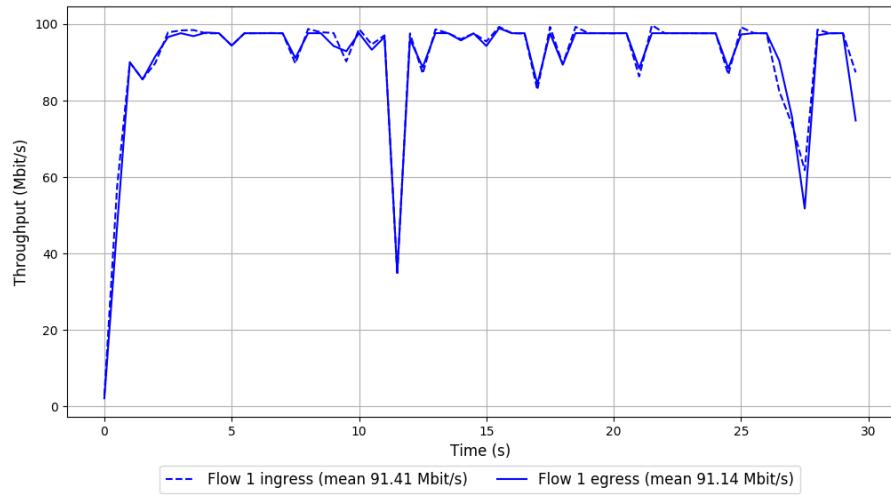


Run 10: Statistics of TCP BBR

```
Start at: 2017-08-21 20:55:23
End at: 2017-08-21 20:55:53
Local clock offset: 0.086 ms
Remote clock offset: -3.516 ms

# Below is generated by plot.py at 2017-08-22 01:00:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 60.426 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 60.426 ms
Loss rate: 0.63%
```

### Run 10: Report of TCP BBR — Data Link

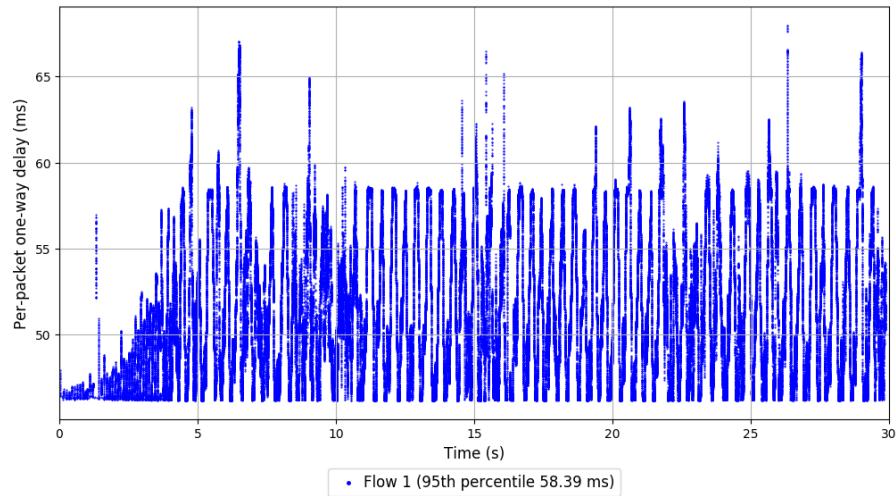
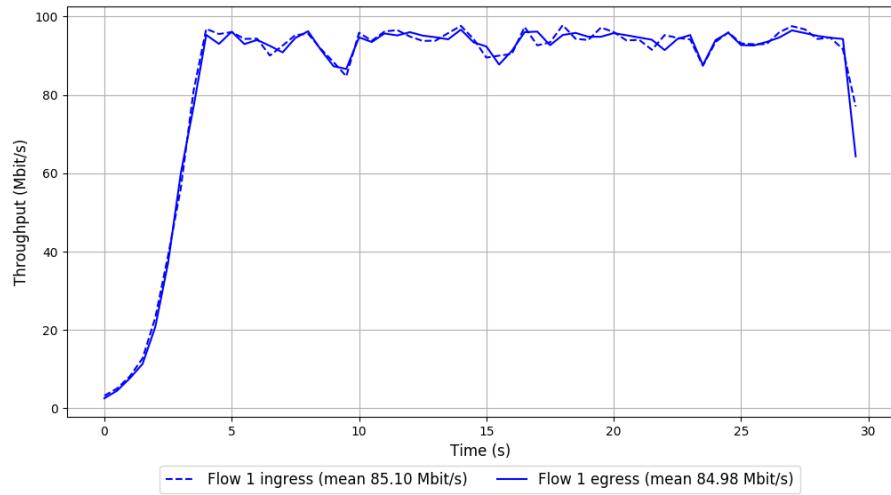


```
Run 1: Statistics of CalibratedKoho

Start at: 2017-08-21 17:48:37
End at: 2017-08-21 17:49:07
Local clock offset: 0.464 ms
Remote clock offset: -7.167 ms

# Below is generated by plot.py at 2017-08-22 01:00:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 58.390 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 58.390 ms
Loss rate: 0.52%
```

Run 1: Report of CalibratedKoho — Data Link

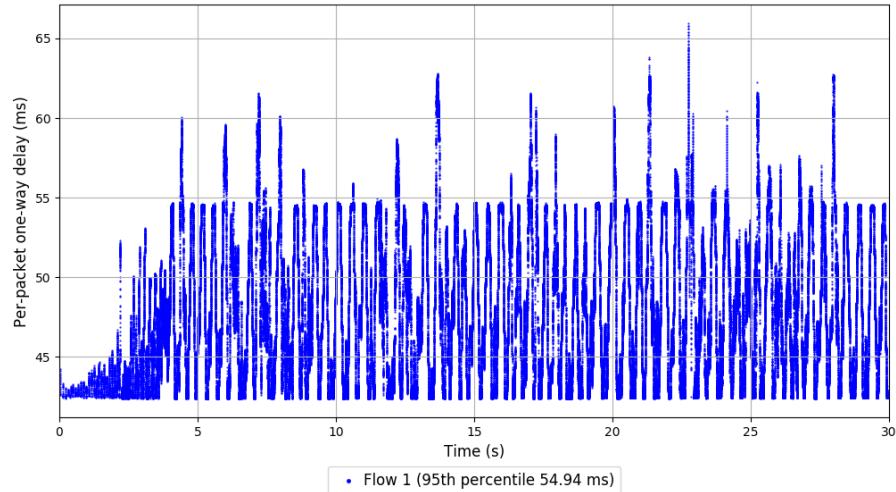
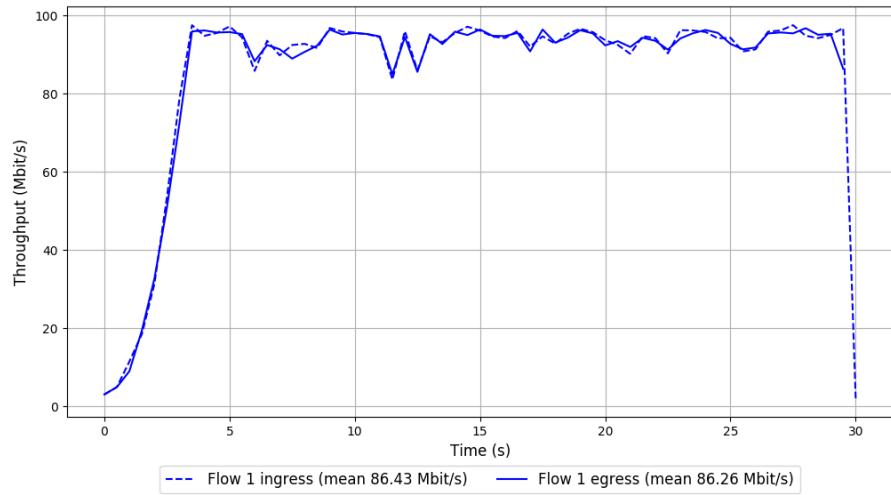


Run 2: Statistics of CalibratedKoho

```
Start at: 2017-08-21 18:09:37
End at: 2017-08-21 18:10:07
Local clock offset: 0.298 ms
Remote clock offset: -2.957 ms

# Below is generated by plot.py at 2017-08-22 01:00:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 54.939 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 54.939 ms
Loss rate: 0.54%
```

Run 2: Report of CalibratedKoho — Data Link

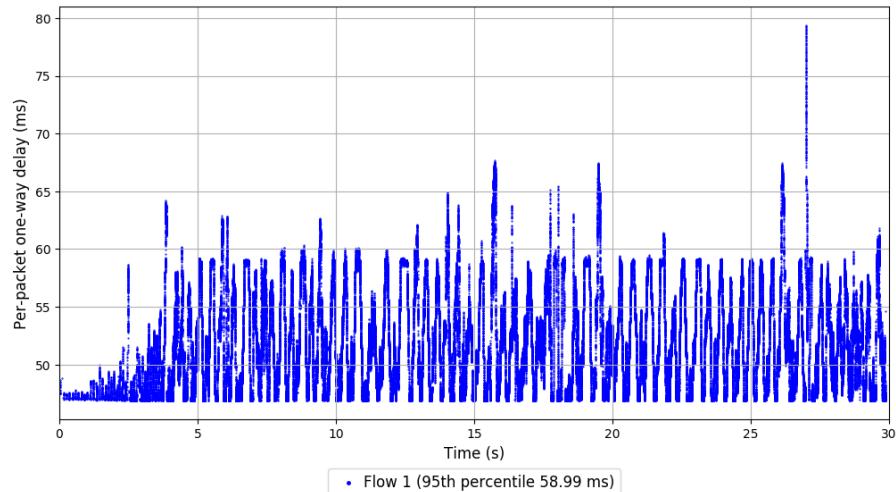
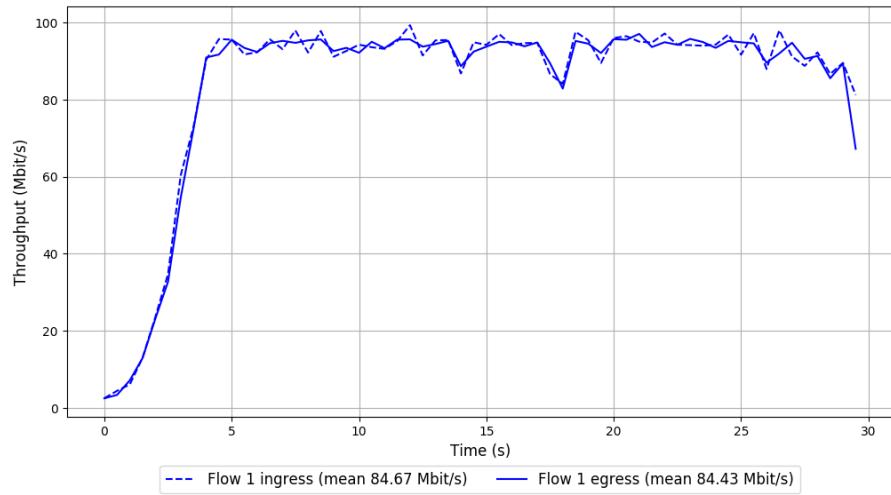


Run 3: Statistics of CalibratedKoho

```
Start at: 2017-08-21 18:29:52
End at: 2017-08-21 18:30:22
Local clock offset: 0.441 ms
Remote clock offset: -6.799 ms

# Below is generated by plot.py at 2017-08-22 01:00:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 58.992 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 84.43 Mbit/s
95th percentile per-packet one-way delay: 58.992 ms
Loss rate: 0.62%
```

Run 3: Report of CalibratedKoho — Data Link

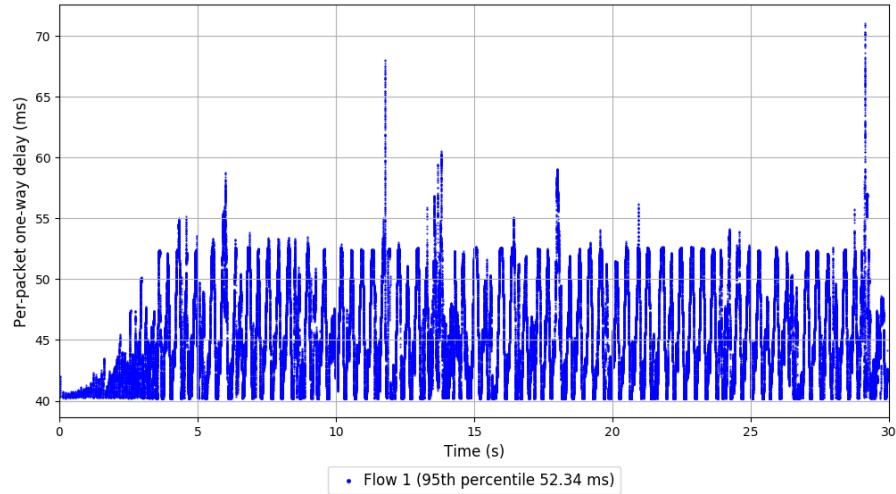
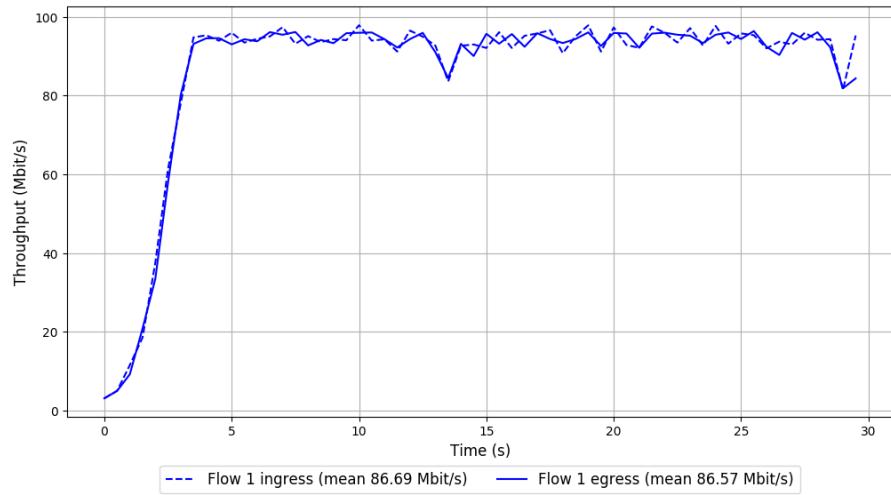


```
Run 4: Statistics of CalibratedKoho
```

```
Start at: 2017-08-21 18:49:55
End at: 2017-08-21 18:50:25
Local clock offset: 0.323 ms
Remote clock offset: 1.019 ms

# Below is generated by plot.py at 2017-08-22 01:00:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 52.336 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 86.57 Mbit/s
95th percentile per-packet one-way delay: 52.336 ms
Loss rate: 0.45%
```

Run 4: Report of CalibratedKoho — Data Link

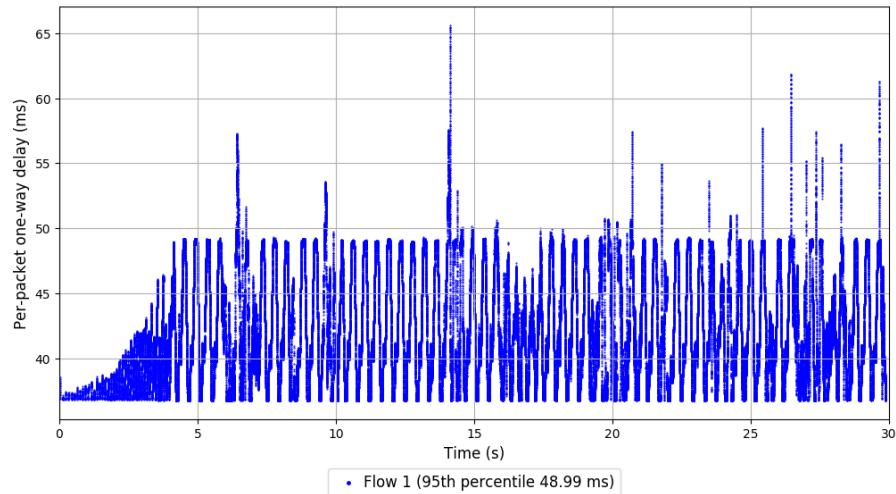
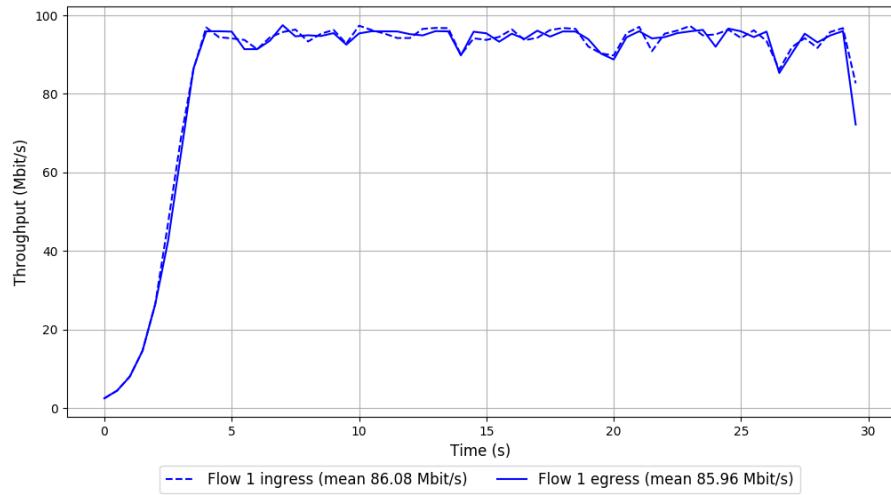


Run 5: Statistics of CalibratedKoho

```
Start at: 2017-08-21 19:10:45
End at: 2017-08-21 19:11:15
Local clock offset: 0.444 ms
Remote clock offset: 1.231 ms

# Below is generated by plot.py at 2017-08-22 01:01:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.96 Mbit/s
95th percentile per-packet one-way delay: 48.992 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 85.96 Mbit/s
95th percentile per-packet one-way delay: 48.992 ms
Loss rate: 0.47%
```

Run 5: Report of CalibratedKoho — Data Link

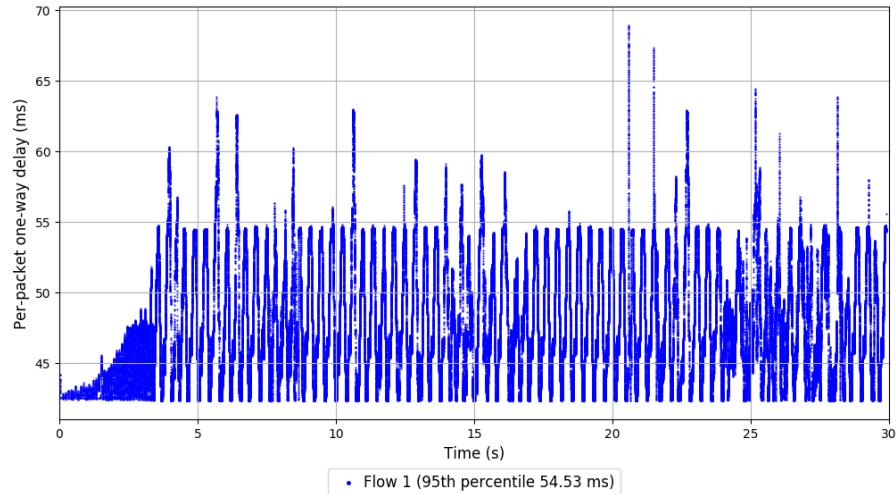
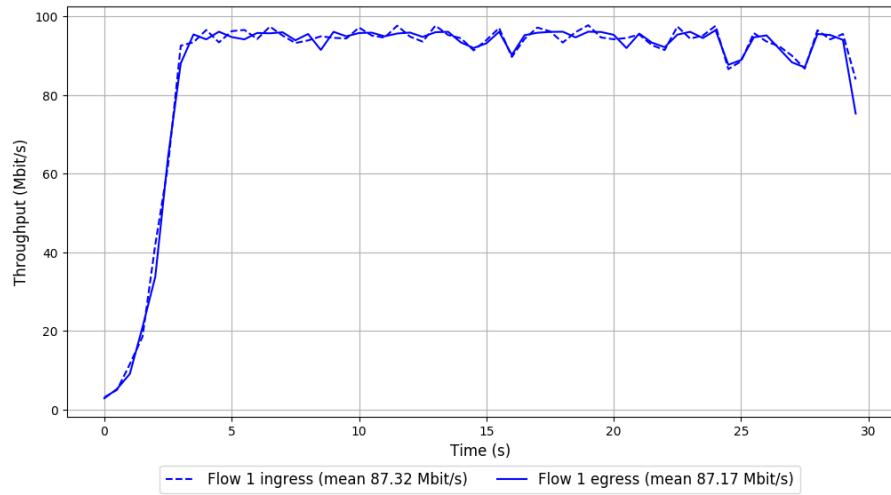


Run 6: Statistics of CalibratedKoho

```
Start at: 2017-08-21 19:31:08
End at: 2017-08-21 19:31:38
Local clock offset: 0.285 ms
Remote clock offset: -0.585 ms

# Below is generated by plot.py at 2017-08-22 01:01:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 54.528 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 54.528 ms
Loss rate: 0.47%
```

Run 6: Report of CalibratedKoho — Data Link

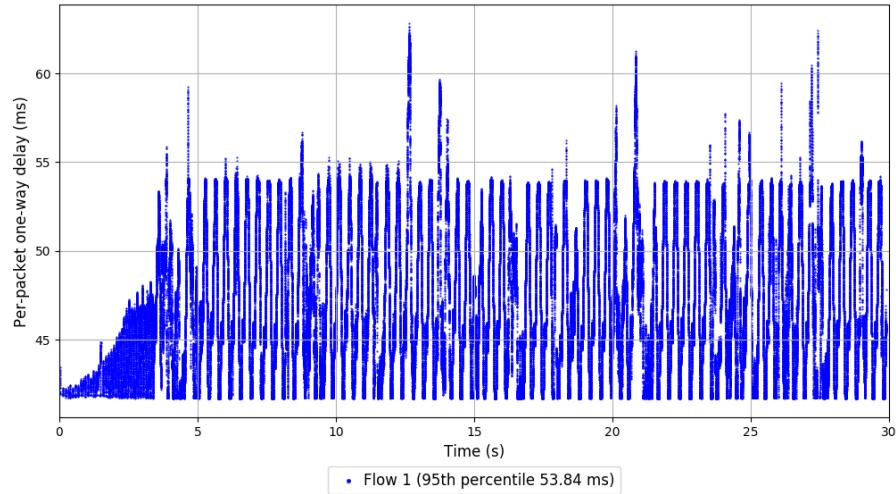
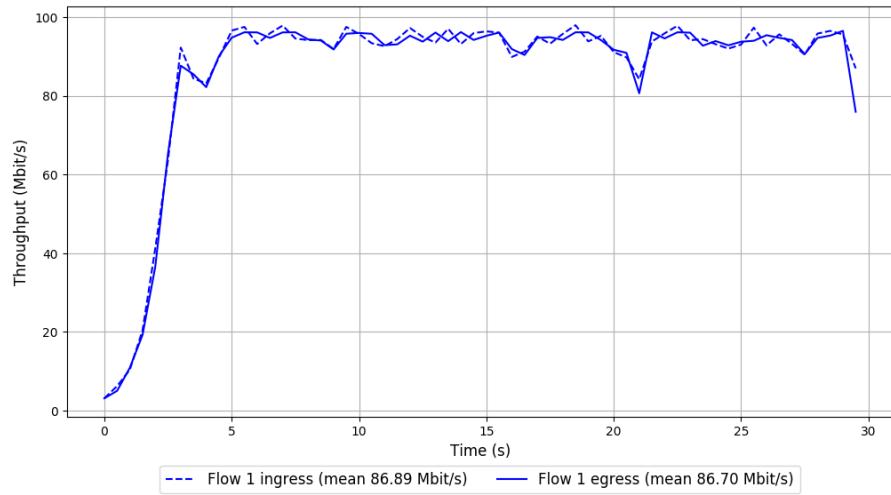


```
Run 7: Statistics of CalibratedKoho
```

```
Start at: 2017-08-21 19:51:51
End at: 2017-08-21 19:52:21
Local clock offset: 0.243 ms
Remote clock offset: -0.749 ms

# Below is generated by plot.py at 2017-08-22 01:01:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 53.838 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 53.838 ms
Loss rate: 0.51%
```

Run 7: Report of CalibratedKoho — Data Link

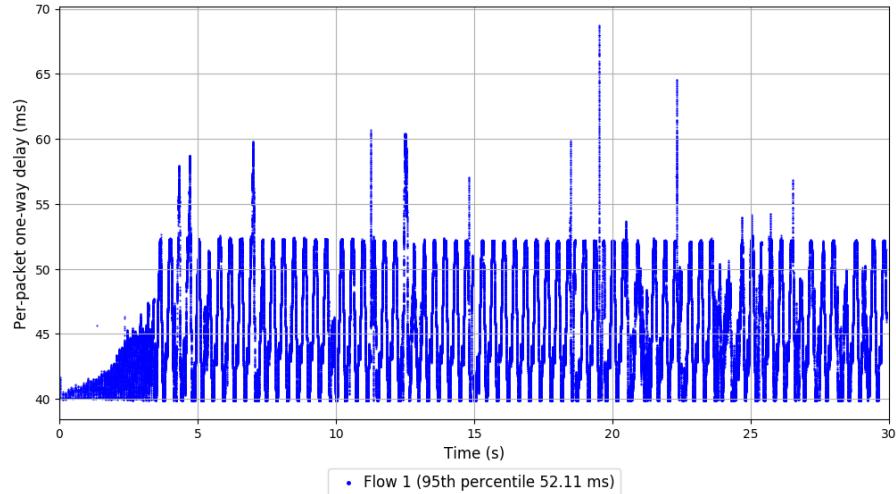
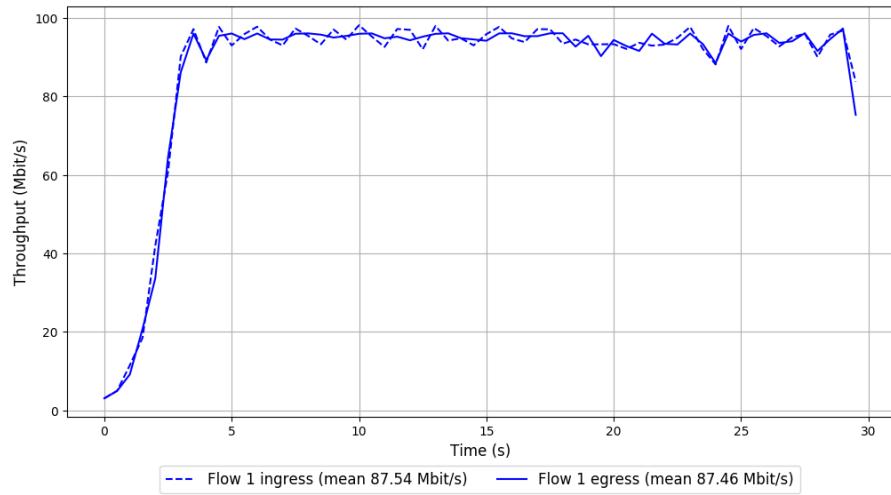


Run 8: Statistics of CalibratedKoho

```
Start at: 2017-08-21 20:12:12
End at: 2017-08-21 20:12:42
Local clock offset: 0.038 ms
Remote clock offset: 1.831 ms

# Below is generated by plot.py at 2017-08-22 01:01:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 52.106 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 87.46 Mbit/s
95th percentile per-packet one-way delay: 52.106 ms
Loss rate: 0.37%
```

Run 8: Report of CalibratedKoho — Data Link

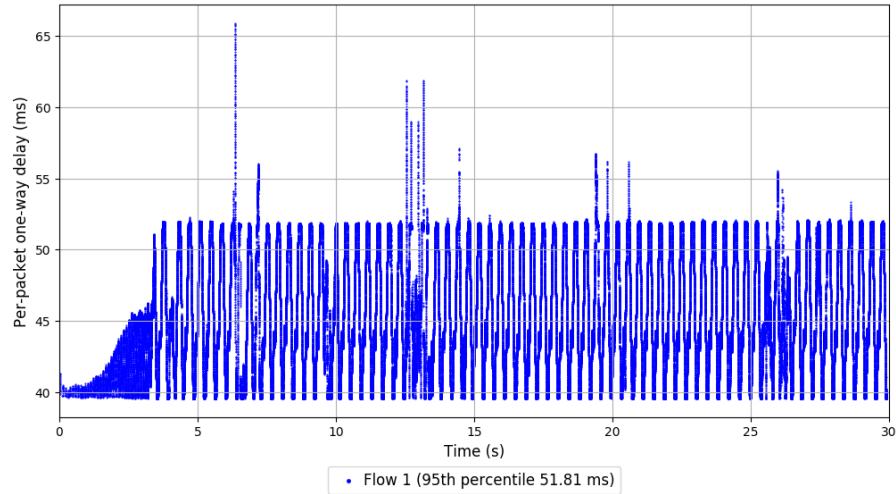
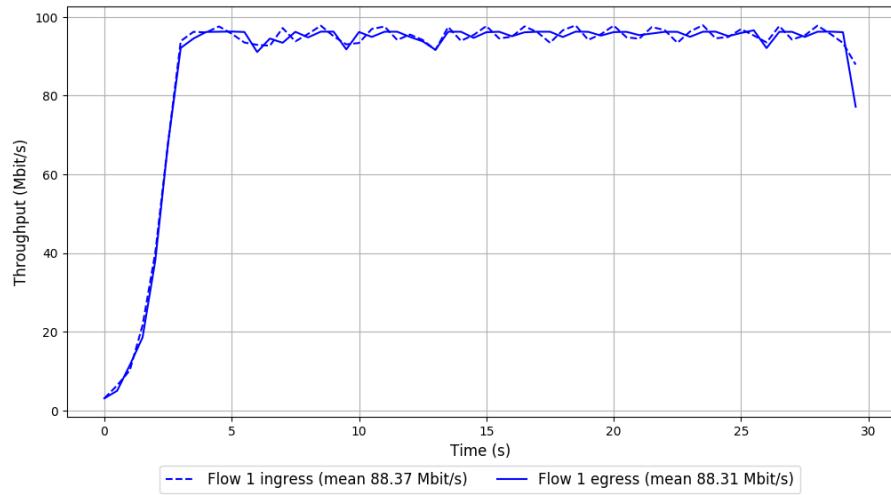


```
Run 9: Statistics of CalibratedKoho
```

```
Start at: 2017-08-21 20:32:26
End at: 2017-08-21 20:32:56
Local clock offset: -0.005 ms
Remote clock offset: 1.574 ms

# Below is generated by plot.py at 2017-08-22 01:01:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.31 Mbit/s
95th percentile per-packet one-way delay: 51.806 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 88.31 Mbit/s
95th percentile per-packet one-way delay: 51.806 ms
Loss rate: 0.36%
```

Run 9: Report of CalibratedKoho — Data Link

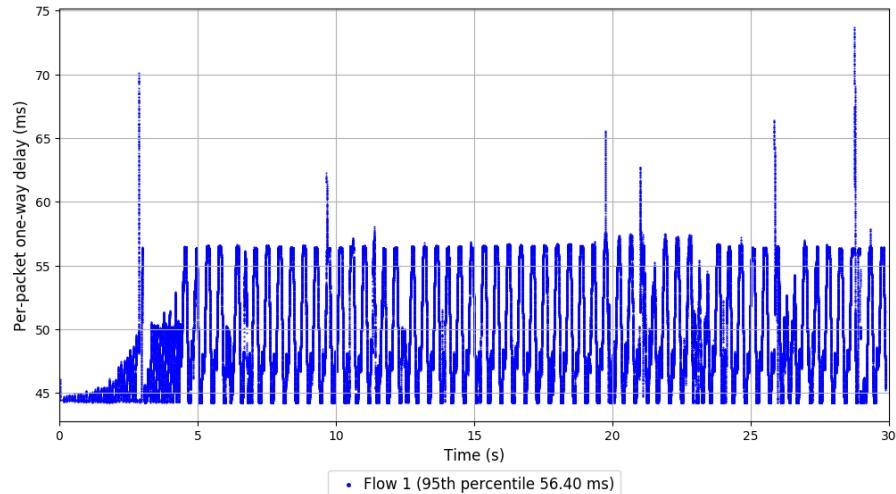
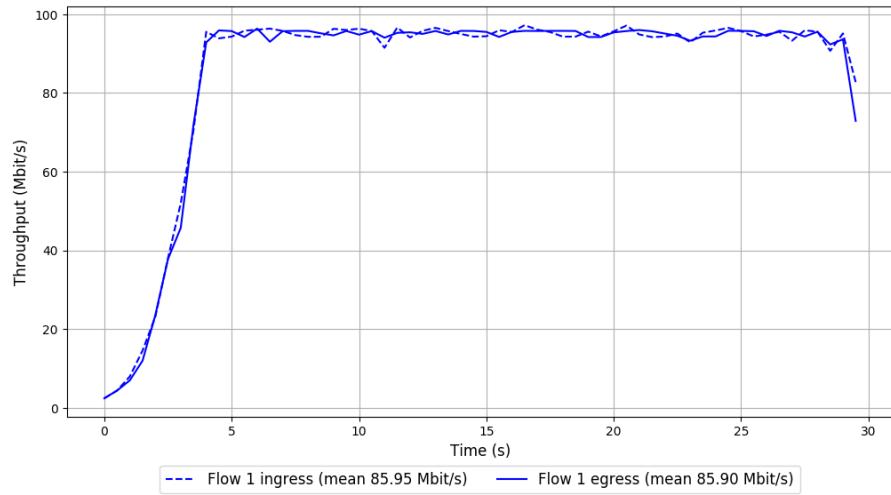


```
Run 10: Statistics of CalibratedKoho
```

```
Start at: 2017-08-21 20:52:40
End at: 2017-08-21 20:53:10
Local clock offset: 0.057 ms
Remote clock offset: -3.232 ms

# Below is generated by plot.py at 2017-08-22 01:01:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.90 Mbit/s
95th percentile per-packet one-way delay: 56.400 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 85.90 Mbit/s
95th percentile per-packet one-way delay: 56.400 ms
Loss rate: 0.39%
```

Run 10: Report of CalibratedKoho — Data Link

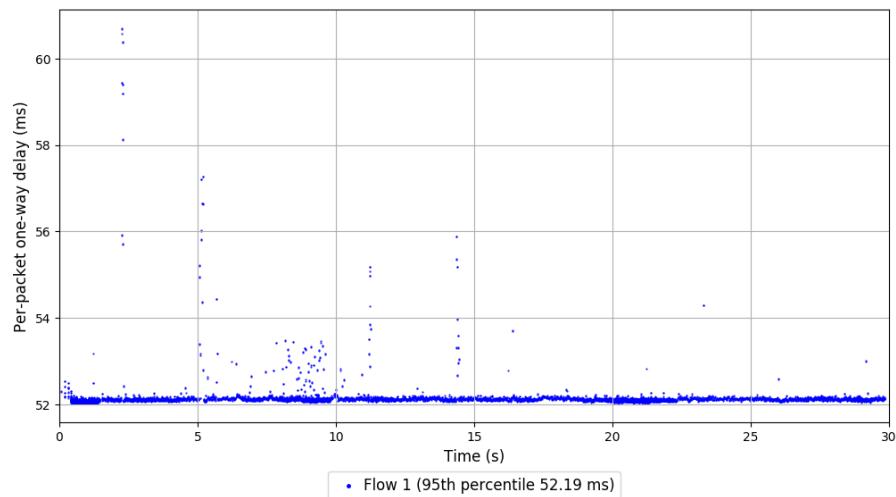
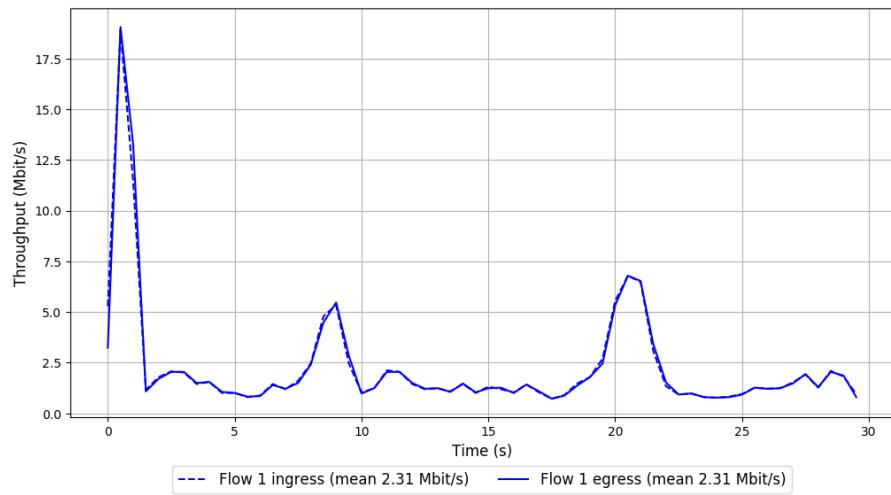


Run 1: Statistics of Copa

```
Start at: 2017-08-21 17:45:53
End at: 2017-08-21 17:46:23
Local clock offset: 0.555 ms
Remote clock offset: -12.917 ms

# Below is generated by plot.py at 2017-08-22 01:01:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 52.185 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 52.185 ms
Loss rate: 0.23%
```

Run 1: Report of Copa — Data Link

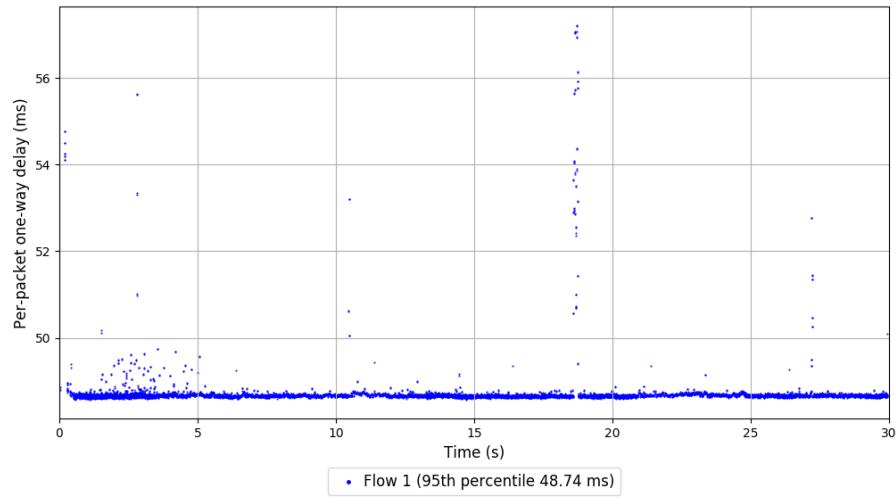
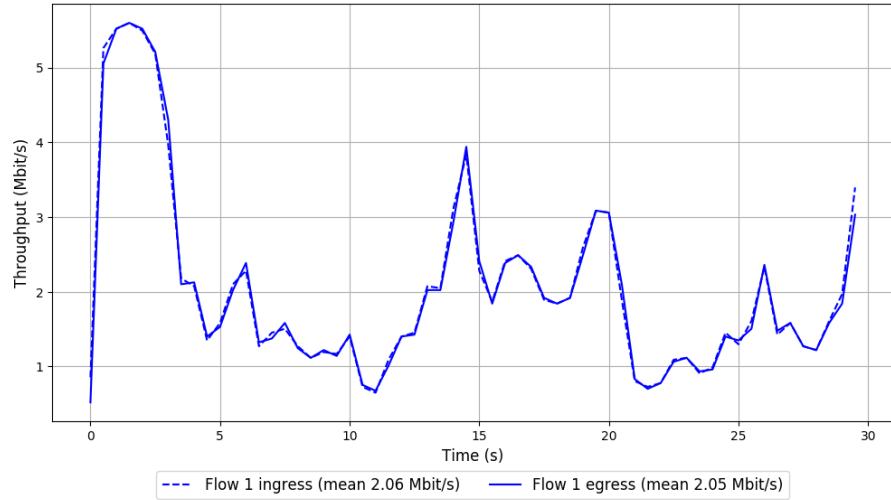


Run 2: Statistics of Copa

```
Start at: 2017-08-21 18:06:58
End at: 2017-08-21 18:07:28
Local clock offset: 0.431 ms
Remote clock offset: -8.352 ms

# Below is generated by plot.py at 2017-08-22 01:01:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 48.742 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 48.742 ms
Loss rate: 0.53%
```

## Run 2: Report of Copa — Data Link

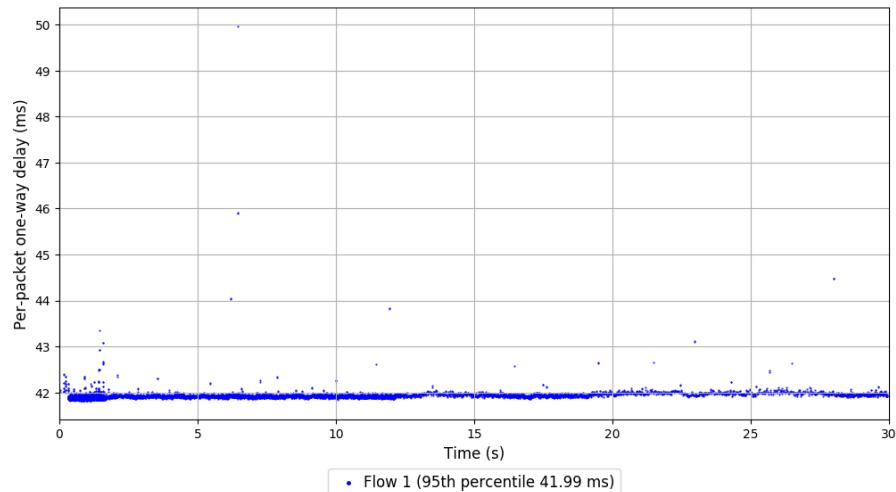
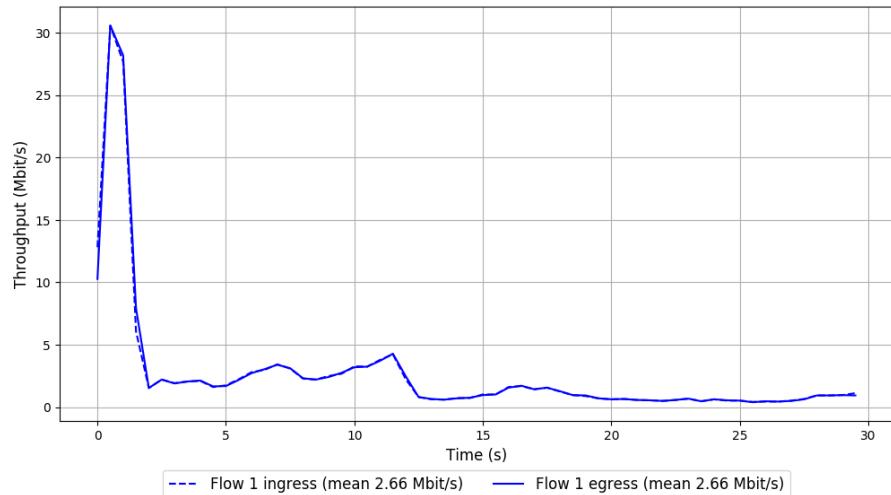


Run 3: Statistics of Copa

```
Start at: 2017-08-21 18:27:13
End at: 2017-08-21 18:27:43
Local clock offset: 0.345 ms
Remote clock offset: -1.847 ms

# Below is generated by plot.py at 2017-08-22 01:01:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 41.991 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 41.991 ms
Loss rate: 0.16%
```

### Run 3: Report of Copa — Data Link

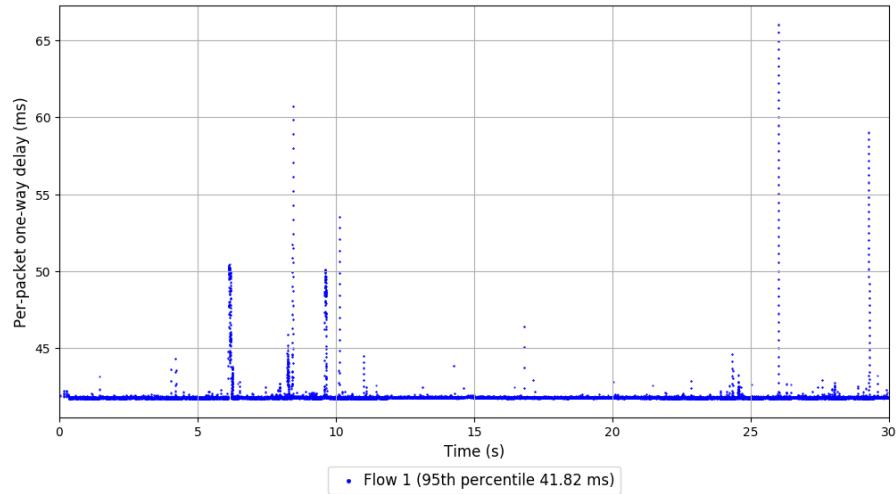
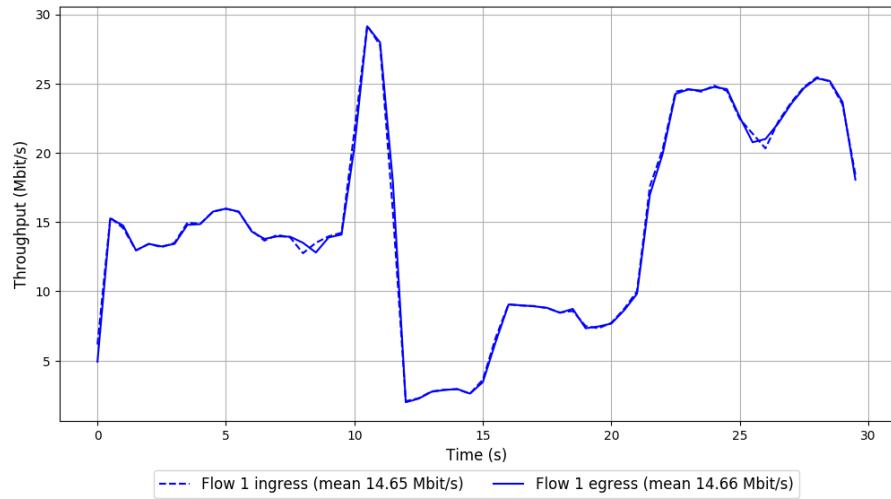


Run 4: Statistics of Copa

```
Start at: 2017-08-21 18:47:15
End at: 2017-08-21 18:47:45
Local clock offset: 0.429 ms
Remote clock offset: -1.129 ms

# Below is generated by plot.py at 2017-08-22 01:01:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.66 Mbit/s
95th percentile per-packet one-way delay: 41.820 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 14.66 Mbit/s
95th percentile per-packet one-way delay: 41.820 ms
Loss rate: 0.28%
```

## Run 4: Report of Copa — Data Link

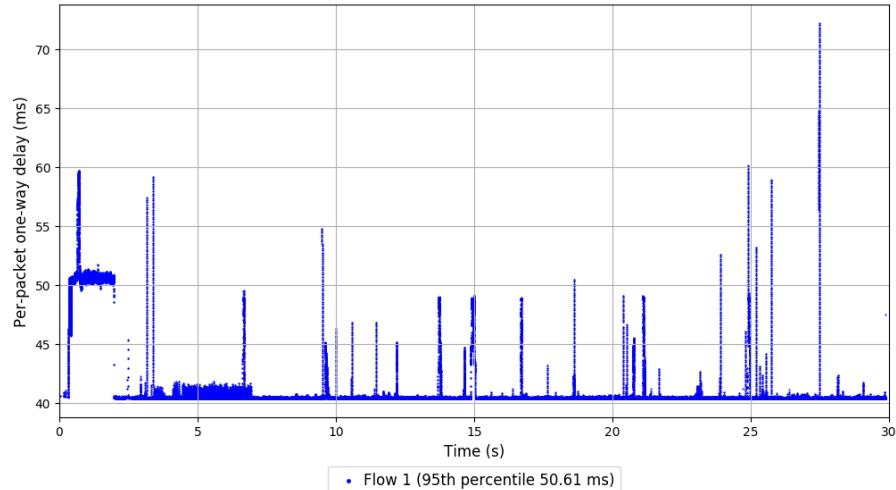
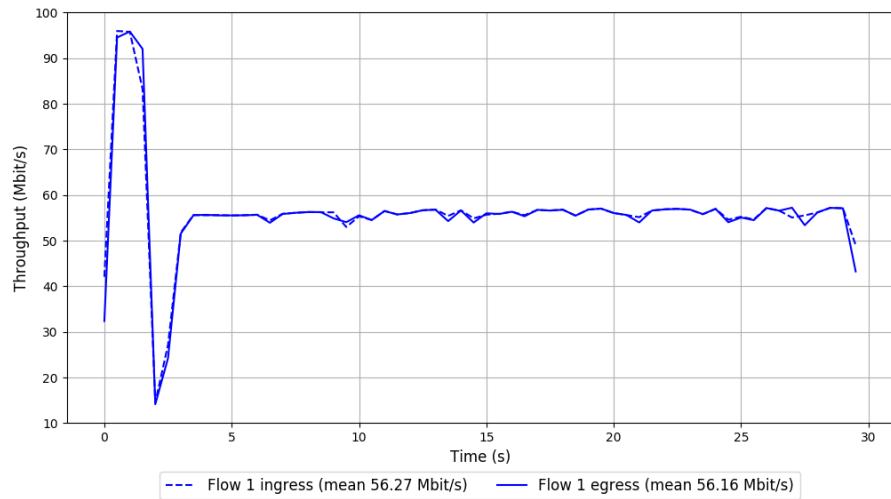


Run 5: Statistics of Copa

```
Start at: 2017-08-21 19:07:56
End at: 2017-08-21 19:08:26
Local clock offset: 0.426 ms
Remote clock offset: 1.111 ms

# Below is generated by plot.py at 2017-08-22 01:01:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: 50.613 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 56.16 Mbit/s
95th percentile per-packet one-way delay: 50.613 ms
Loss rate: 0.49%
```

### Run 5: Report of Copa — Data Link

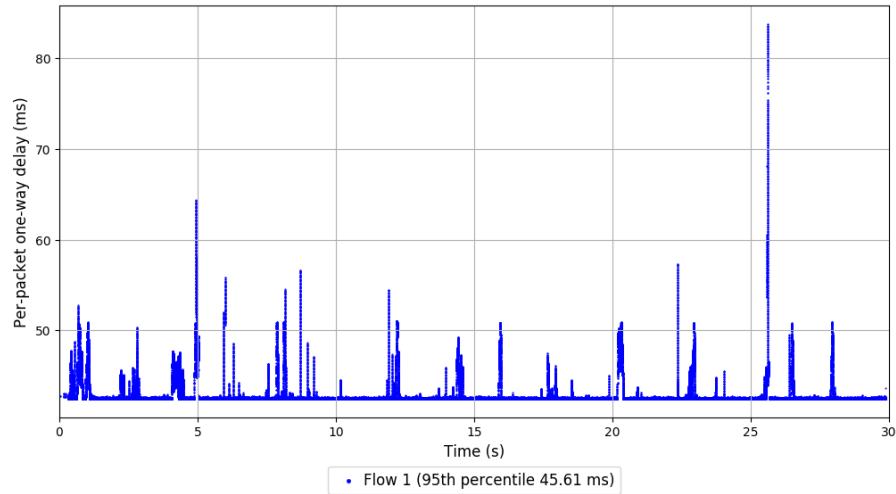
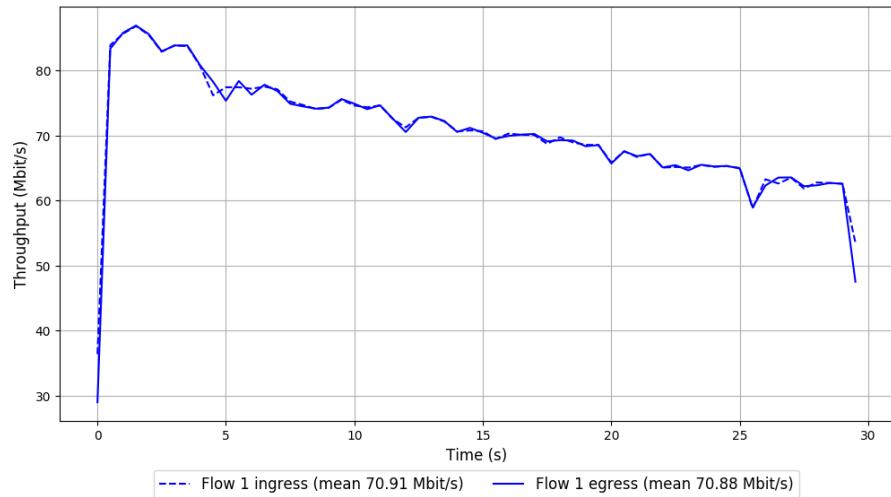


Run 6: Statistics of Copa

```
Start at: 2017-08-21 19:28:16
End at: 2017-08-21 19:28:46
Local clock offset: 0.375 ms
Remote clock offset: -0.598 ms

# Below is generated by plot.py at 2017-08-22 01:01:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.88 Mbit/s
95th percentile per-packet one-way delay: 45.612 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 70.88 Mbit/s
95th percentile per-packet one-way delay: 45.612 ms
Loss rate: 0.34%
```

## Run 6: Report of Copa — Data Link

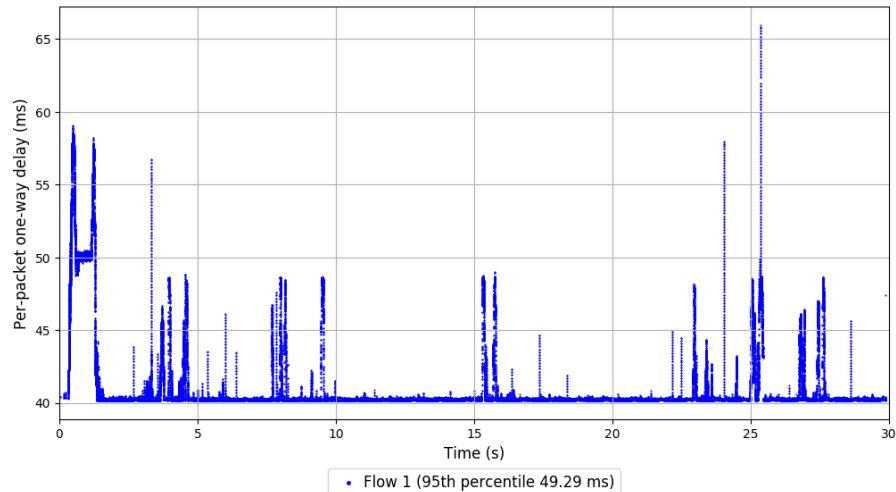
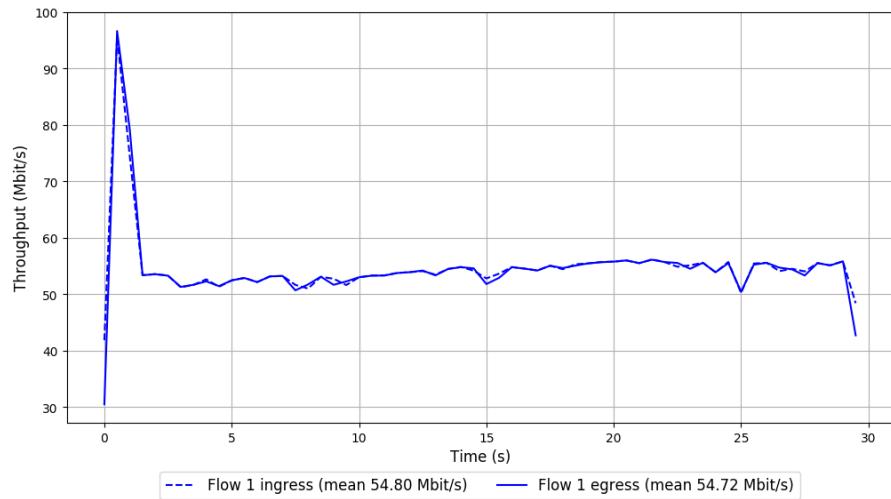


Run 7: Statistics of Copa

```
Start at: 2017-08-21 19:49:04
End at: 2017-08-21 19:49:34
Local clock offset: 0.251 ms
Remote clock offset: 1.447 ms

# Below is generated by plot.py at 2017-08-22 01:02:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.72 Mbit/s
95th percentile per-packet one-way delay: 49.290 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 54.72 Mbit/s
95th percentile per-packet one-way delay: 49.290 ms
Loss rate: 0.43%
```

### Run 7: Report of Copa — Data Link

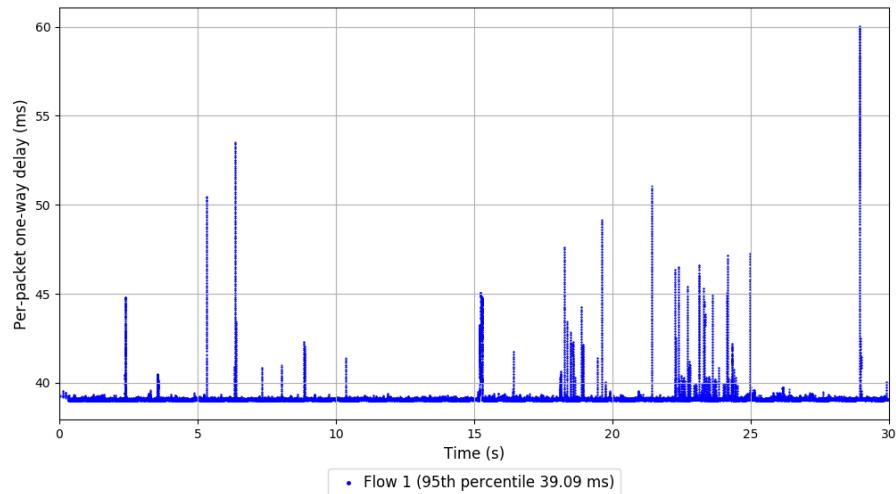
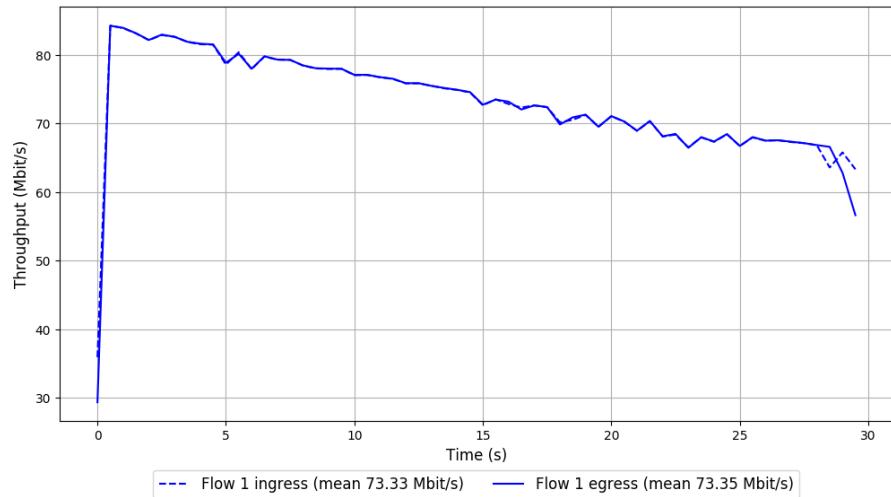


Run 8: Statistics of Copa

```
Start at: 2017-08-21 20:09:21
End at: 2017-08-21 20:09:51
Local clock offset: 0.012 ms
Remote clock offset: 1.877 ms

# Below is generated by plot.py at 2017-08-22 01:02:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.35 Mbit/s
95th percentile per-packet one-way delay: 39.095 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 73.35 Mbit/s
95th percentile per-packet one-way delay: 39.095 ms
Loss rate: 0.27%
```

## Run 8: Report of Copa — Data Link

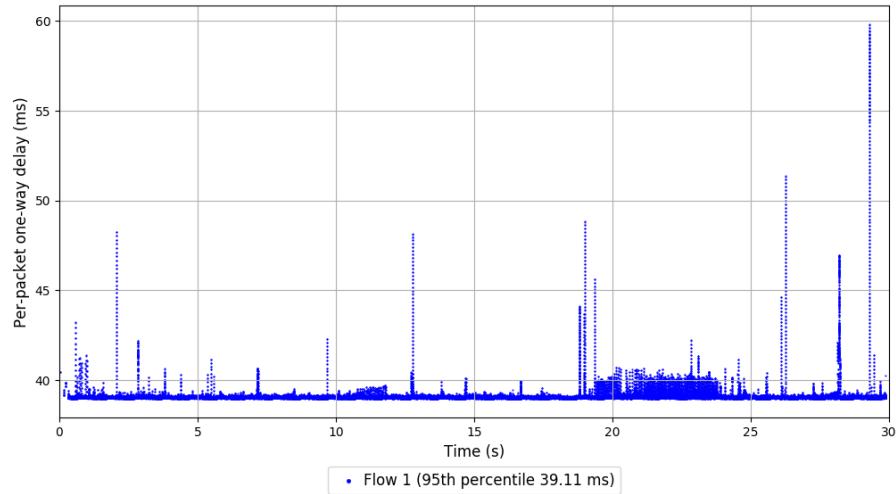
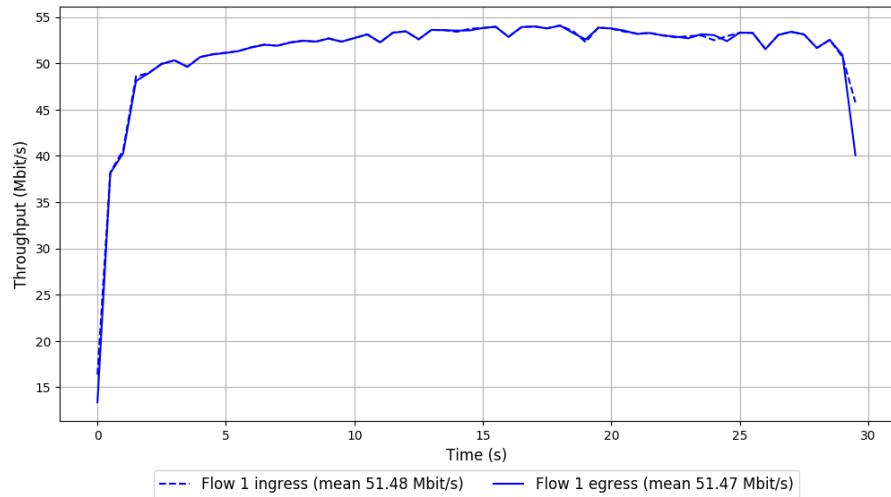


Run 9: Statistics of Copa

```
Start at: 2017-08-21 20:29:41
End at: 2017-08-21 20:30:11
Local clock offset: -0.111 ms
Remote clock offset: 1.987 ms

# Below is generated by plot.py at 2017-08-22 01:02:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.47 Mbit/s
95th percentile per-packet one-way delay: 39.109 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 51.47 Mbit/s
95th percentile per-packet one-way delay: 39.109 ms
Loss rate: 0.31%
```

## Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

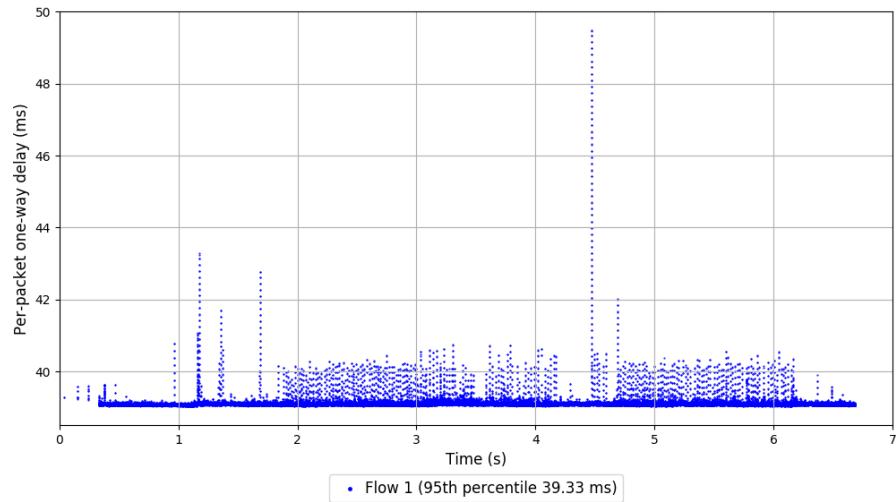
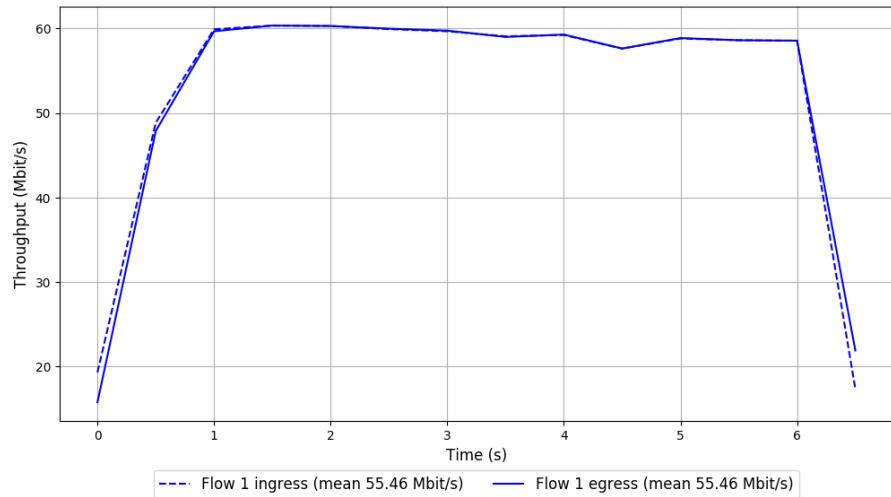
Start at: 2017-08-21 20:49:58

End at: 2017-08-21 20:50:28

Local clock offset: 0.051 ms

Remote clock offset: 1.973 ms

## Run 10: Report of Copa — Data Link

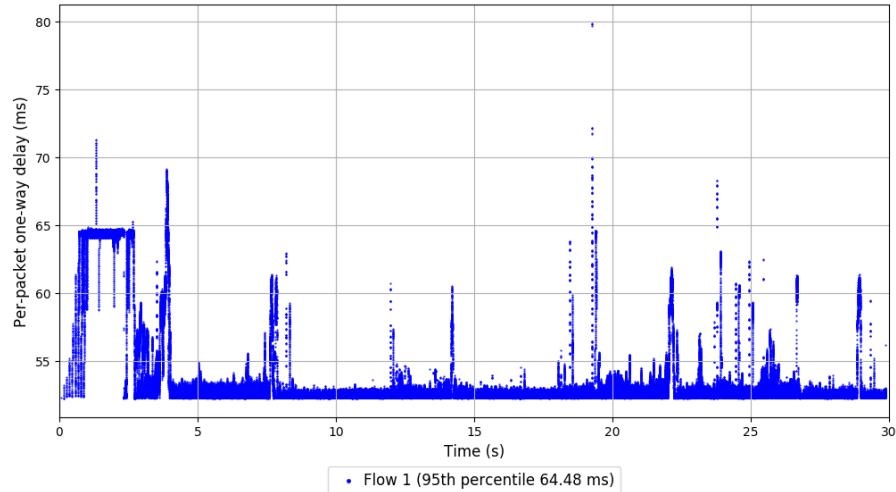
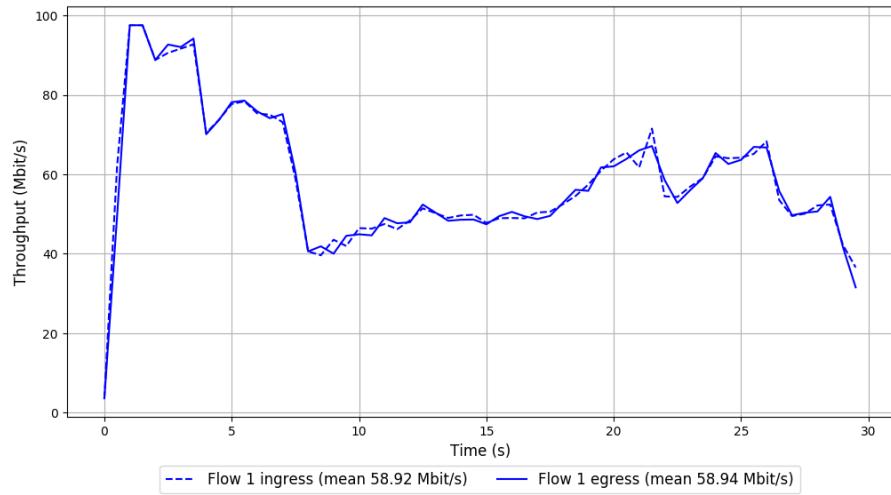


Run 1: Statistics of TCP Cubic

```
Start at: 2017-08-21 17:47:11
End at: 2017-08-21 17:47:42
Local clock offset: 0.55 ms
Remote clock offset: -13.062 ms

# Below is generated by plot.py at 2017-08-22 01:02:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 64.480 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 58.94 Mbit/s
95th percentile per-packet one-way delay: 64.480 ms
Loss rate: 0.31%
```

### Run 1: Report of TCP Cubic — Data Link

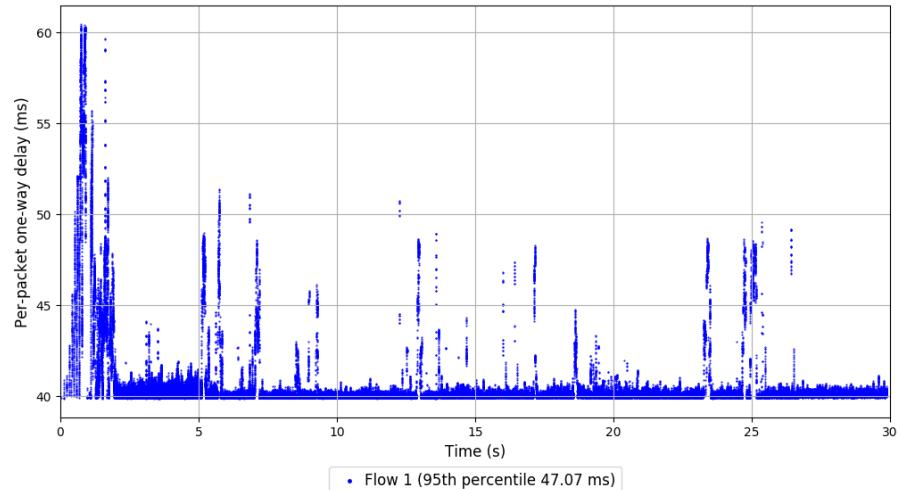
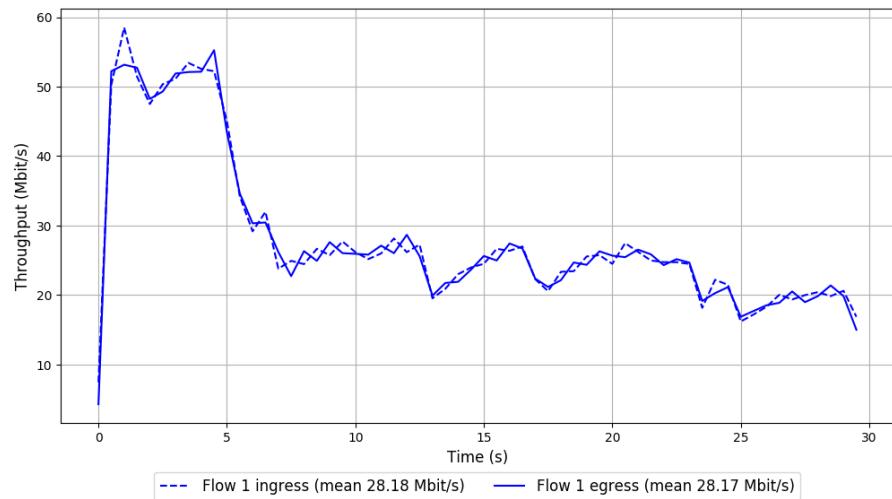


Run 2: Statistics of TCP Cubic

```
Start at: 2017-08-21 18:08:16
End at: 2017-08-21 18:08:46
Local clock offset: 0.42 ms
Remote clock offset: 0.346 ms

# Below is generated by plot.py at 2017-08-22 01:02:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 28.17 Mbit/s
95th percentile per-packet one-way delay: 47.070 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 28.17 Mbit/s
95th percentile per-packet one-way delay: 47.070 ms
Loss rate: 0.37%
```

## Run 2: Report of TCP Cubic — Data Link

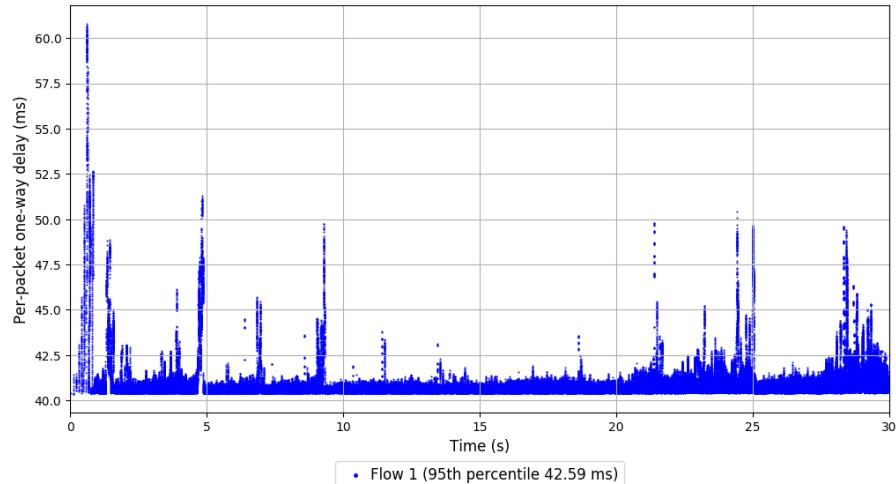
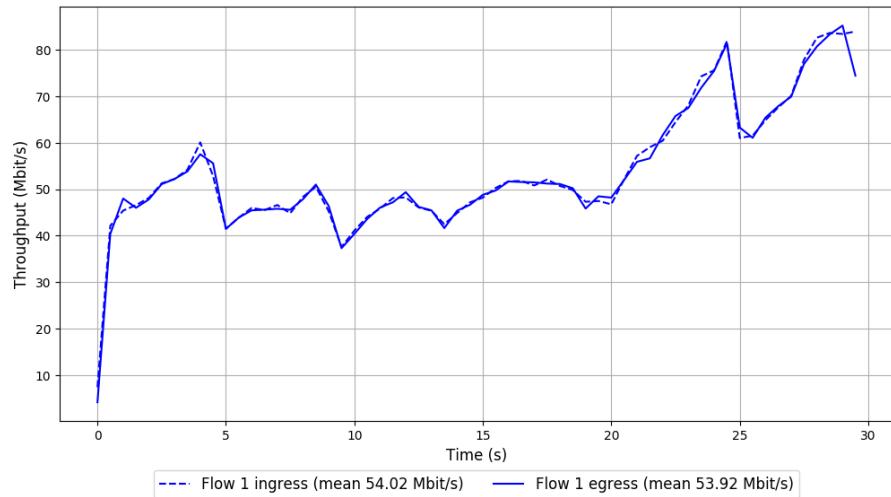


Run 3: Statistics of TCP Cubic

```
Start at: 2017-08-21 18:28:31
End at: 2017-08-21 18:29:01
Local clock offset: 0.438 ms
Remote clock offset: 0.509 ms

# Below is generated by plot.py at 2017-08-22 01:02:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 42.585 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 53.92 Mbit/s
95th percentile per-packet one-way delay: 42.585 ms
Loss rate: 0.51%
```

### Run 3: Report of TCP Cubic — Data Link

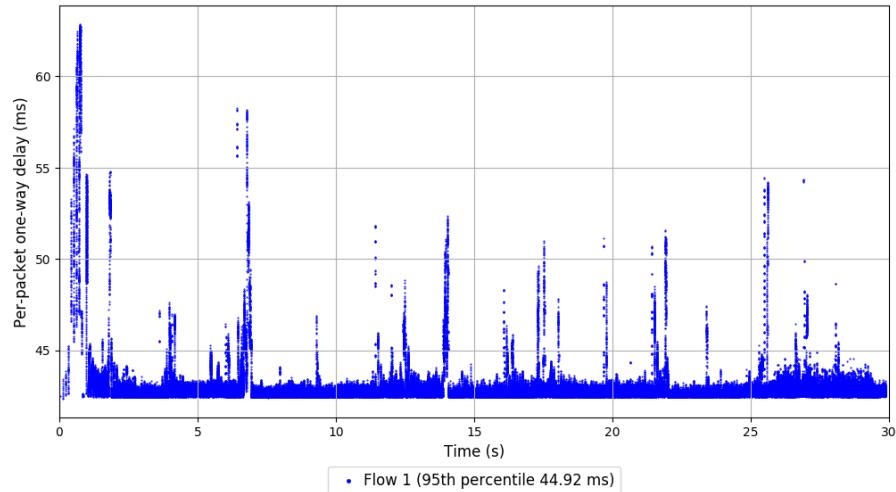
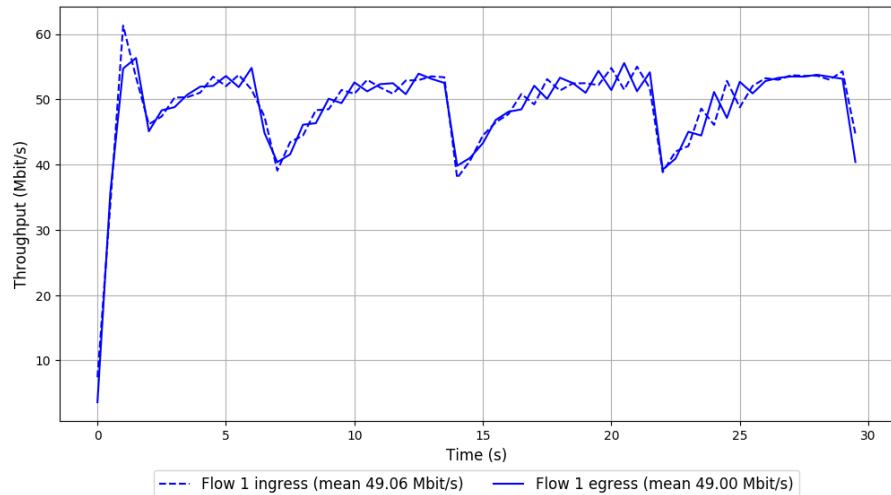


Run 4: Statistics of TCP Cubic

```
Start at: 2017-08-21 18:48:34
End at: 2017-08-21 18:49:04
Local clock offset: 0.352 ms
Remote clock offset: -1.12 ms

# Below is generated by plot.py at 2017-08-22 01:02:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 44.920 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 49.00 Mbit/s
95th percentile per-packet one-way delay: 44.920 ms
Loss rate: 0.44%
```

### Run 4: Report of TCP Cubic — Data Link

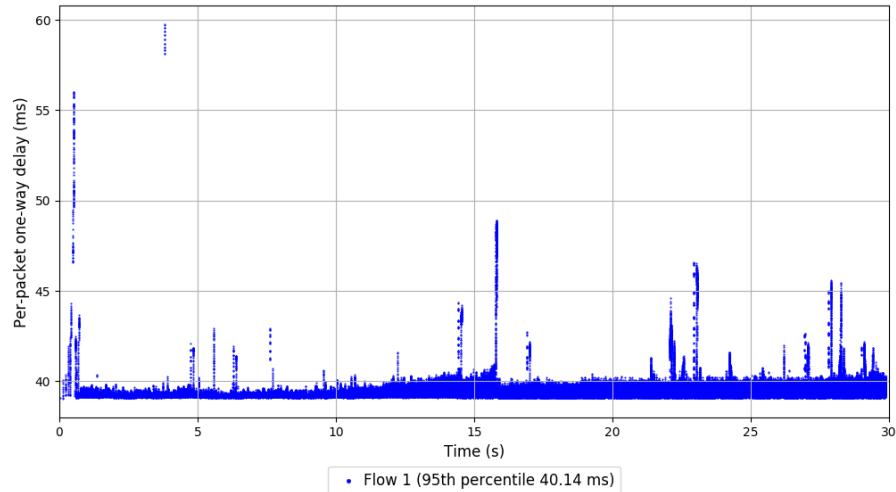
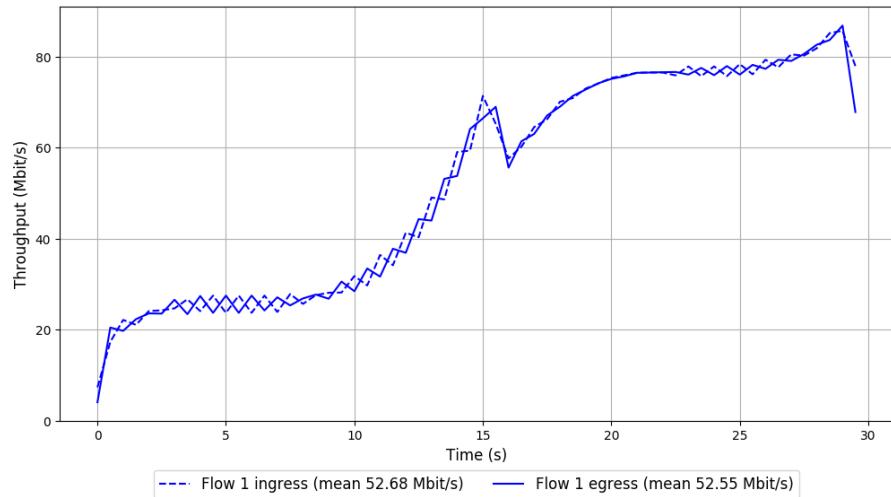


Run 5: Statistics of TCP Cubic

```
Start at: 2017-08-21 19:09:23
End at: 2017-08-21 19:09:53
Local clock offset: 0.421 ms
Remote clock offset: 1.669 ms

# Below is generated by plot.py at 2017-08-22 01:02:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 40.142 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 52.55 Mbit/s
95th percentile per-packet one-way delay: 40.142 ms
Loss rate: 0.54%
```

### Run 5: Report of TCP Cubic — Data Link

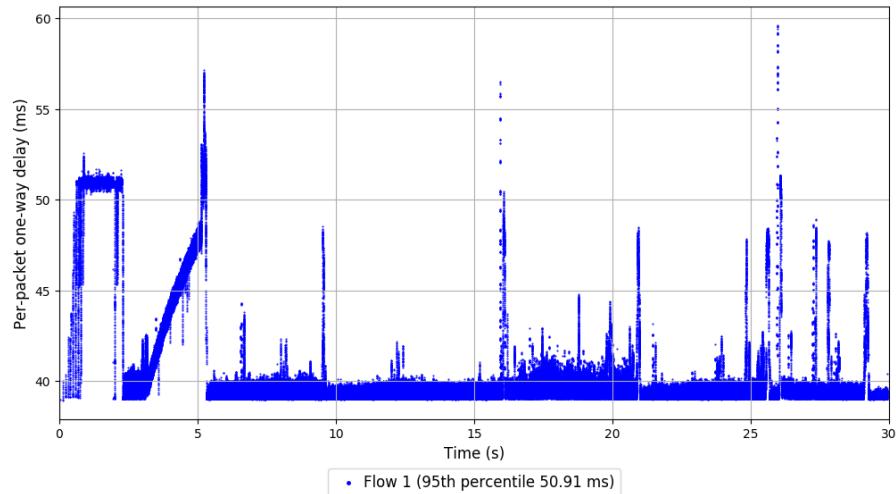
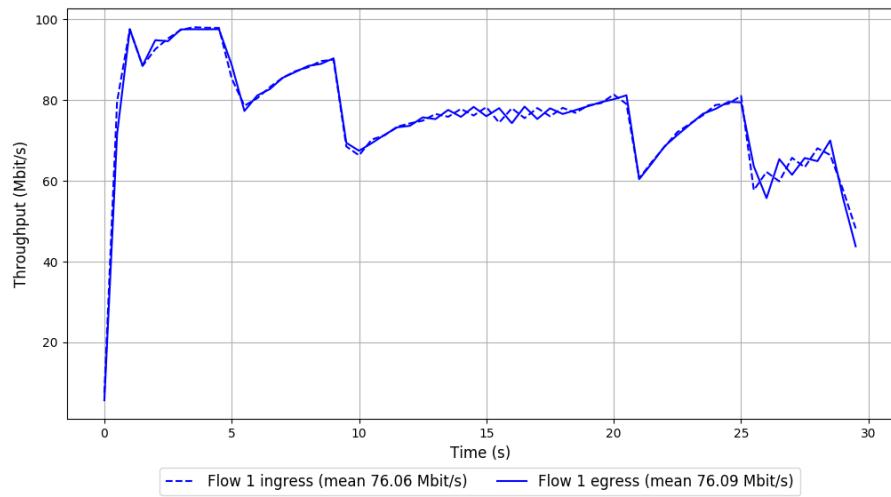


Run 6: Statistics of TCP Cubic

```
Start at: 2017-08-21 19:29:43
End at: 2017-08-21 19:30:14
Local clock offset: 0.383 ms
Remote clock offset: 2.057 ms

# Below is generated by plot.py at 2017-08-22 01:02:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.09 Mbit/s
95th percentile per-packet one-way delay: 50.905 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 76.09 Mbit/s
95th percentile per-packet one-way delay: 50.905 ms
Loss rate: 0.26%
```

## Run 6: Report of TCP Cubic — Data Link

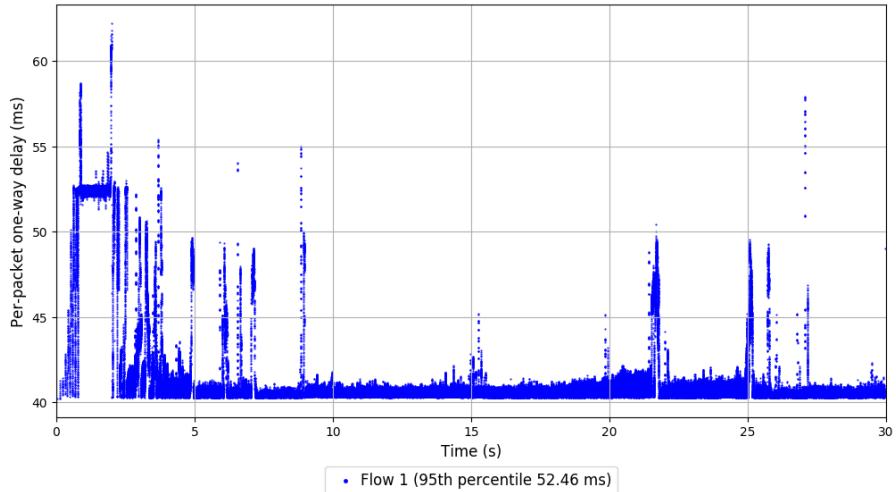
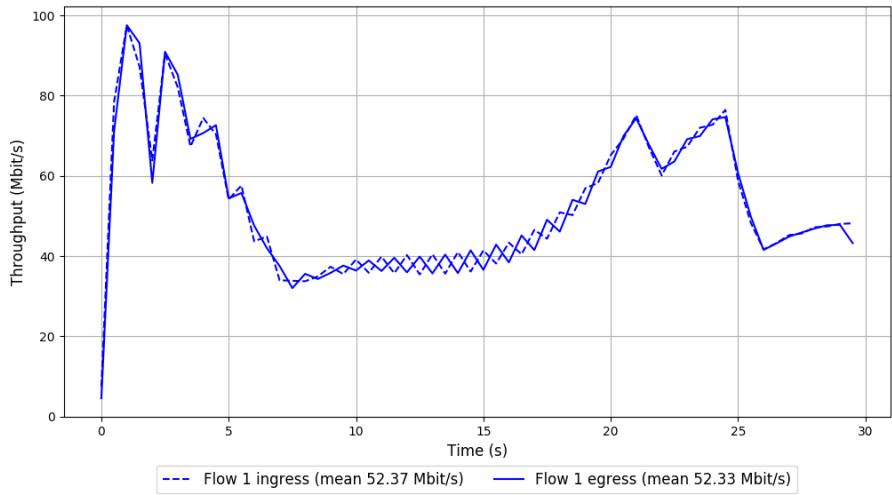


Run 7: Statistics of TCP Cubic

```
Start at: 2017-08-21 19:50:30
End at: 2017-08-21 19:51:00
Local clock offset: 0.154 ms
Remote clock offset: 1.327 ms

# Below is generated by plot.py at 2017-08-22 01:02:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.33 Mbit/s
95th percentile per-packet one-way delay: 52.461 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 52.33 Mbit/s
95th percentile per-packet one-way delay: 52.461 ms
Loss rate: 0.34%
```

### Run 7: Report of TCP Cubic — Data Link

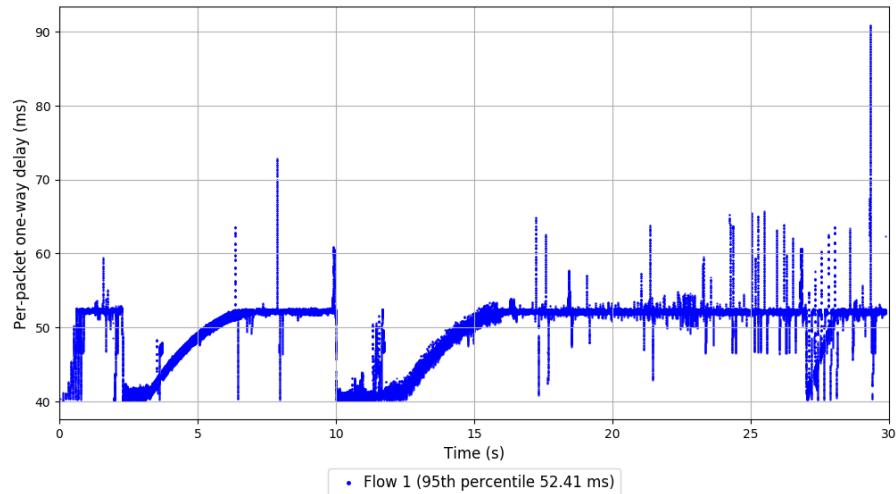
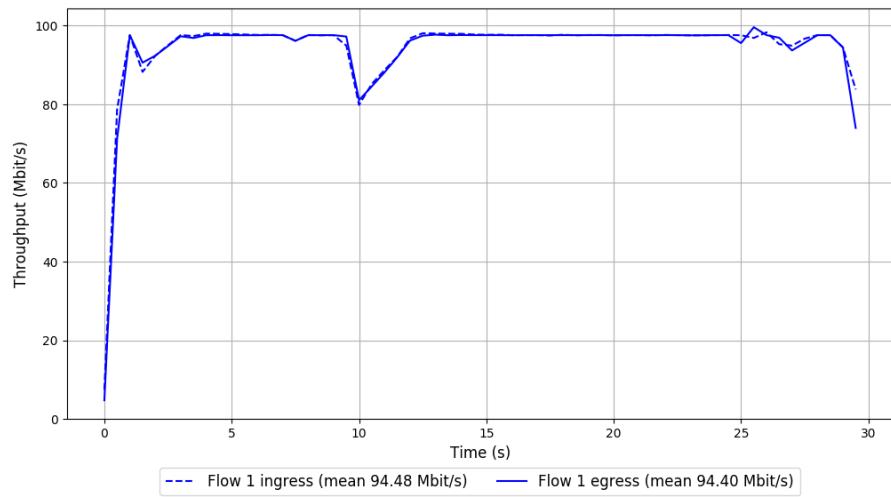


Run 8: Statistics of TCP Cubic

```
Start at: 2017-08-21 20:10:48
End at: 2017-08-21 20:11:18
Local clock offset: -0.038 ms
Remote clock offset: 1.434 ms

# Below is generated by plot.py at 2017-08-22 01:02:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 52.410 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 52.410 ms
Loss rate: 0.37%
```

### Run 8: Report of TCP Cubic — Data Link

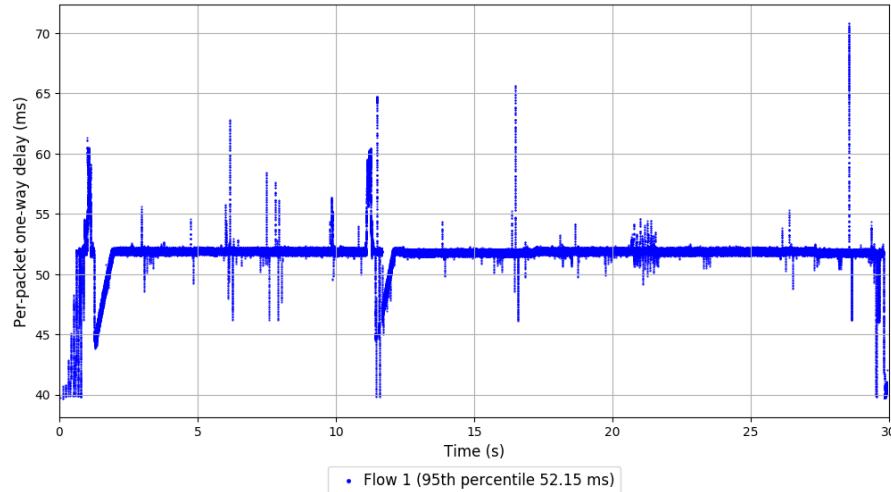
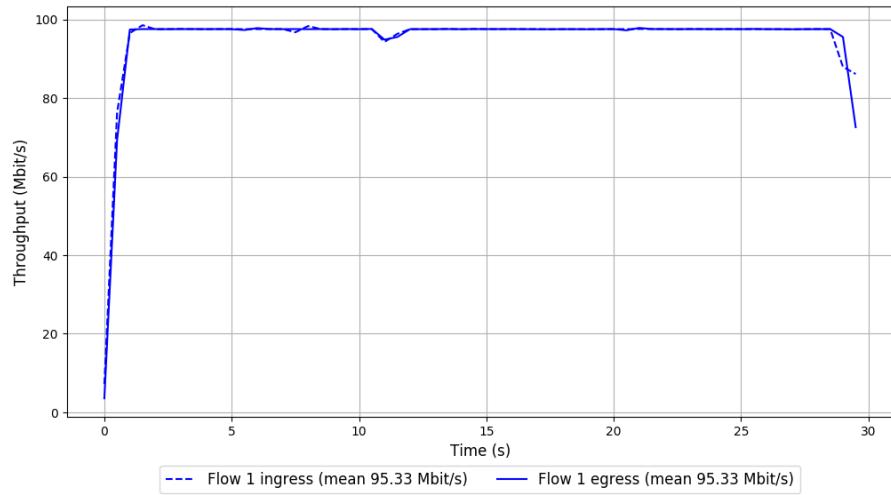


Run 9: Statistics of TCP Cubic

```
Start at: 2017-08-21 20:31:03
End at: 2017-08-21 20:31:33
Local clock offset: -0.096 ms
Remote clock offset: 1.941 ms

# Below is generated by plot.py at 2017-08-22 01:02:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 52.146 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 52.146 ms
Loss rate: 0.30%
```

### Run 9: Report of TCP Cubic — Data Link

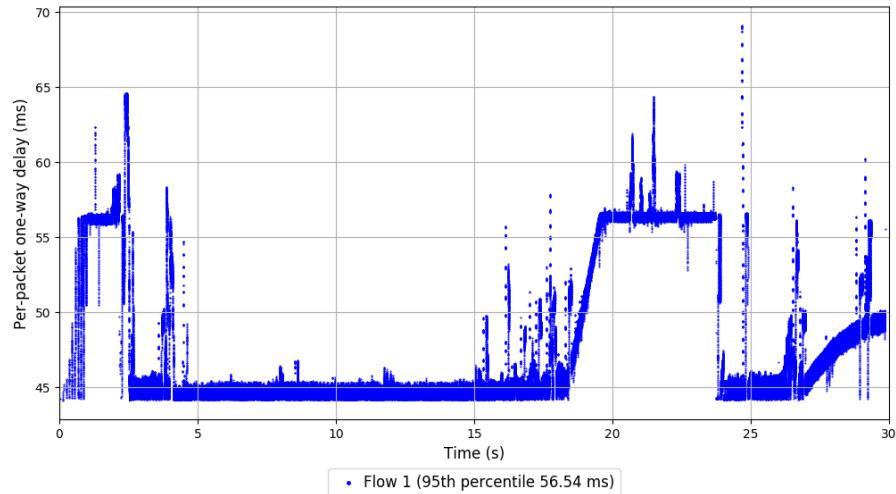
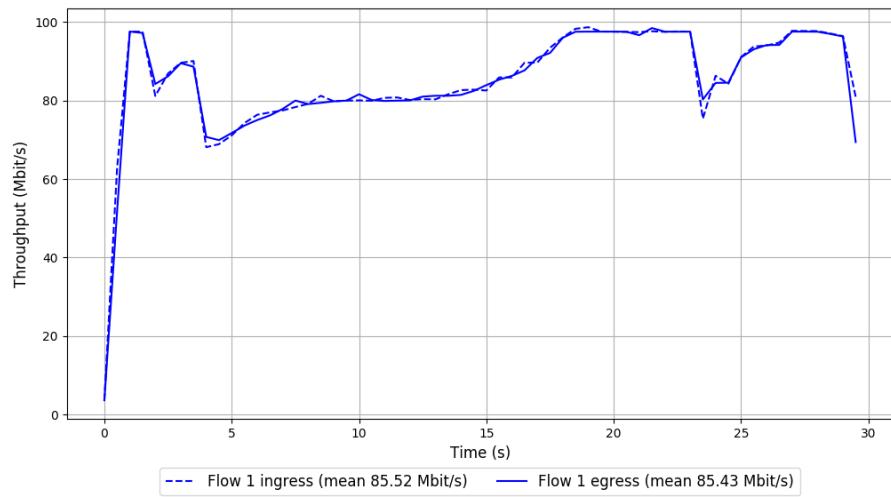


Run 10: Statistics of TCP Cubic

```
Start at: 2017-08-21 20:51:18
End at: 2017-08-21 20:51:48
Local clock offset: -0.028 ms
Remote clock offset: -3.33 ms

# Below is generated by plot.py at 2017-08-22 01:03:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 56.543 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 85.43 Mbit/s
95th percentile per-packet one-way delay: 56.543 ms
Loss rate: 0.43%
```

### Run 10: Report of TCP Cubic — Data Link

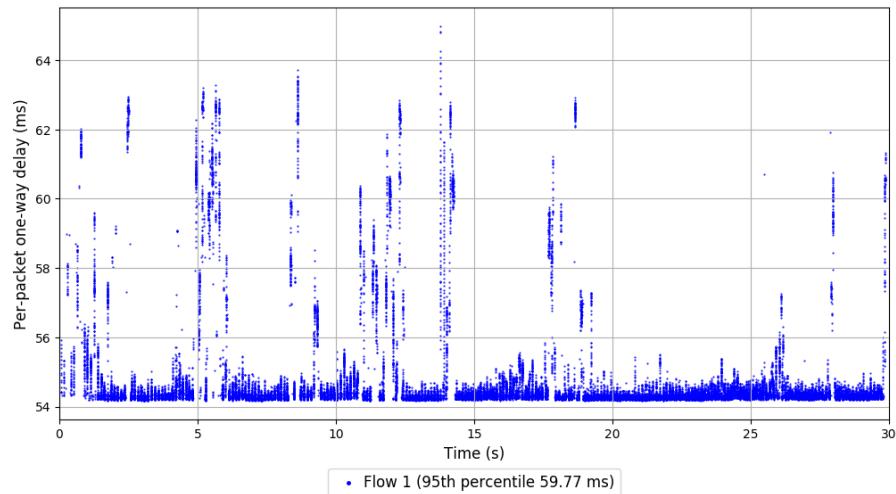
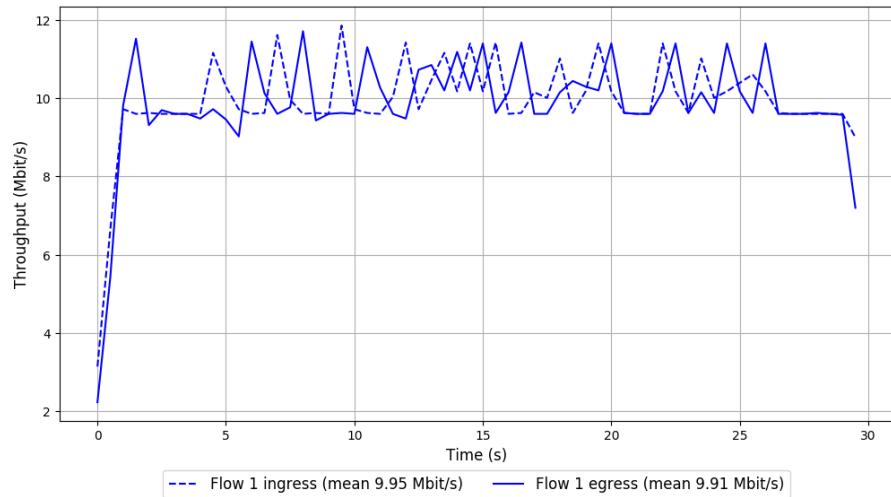


Run 1: Statistics of KohoCC

```
Start at: 2017-08-21 17:58:56
End at: 2017-08-21 17:59:26
Local clock offset: 0.488 ms
Remote clock offset: -14.794 ms

# Below is generated by plot.py at 2017-08-22 01:03:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.91 Mbit/s
95th percentile per-packet one-way delay: 59.771 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 9.91 Mbit/s
95th percentile per-packet one-way delay: 59.771 ms
Loss rate: 0.74%
```

## Run 1: Report of KohoCC — Data Link

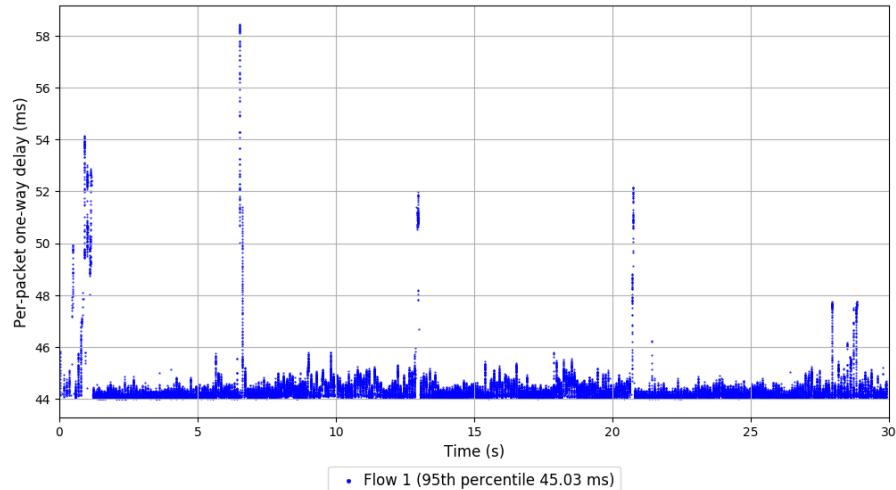
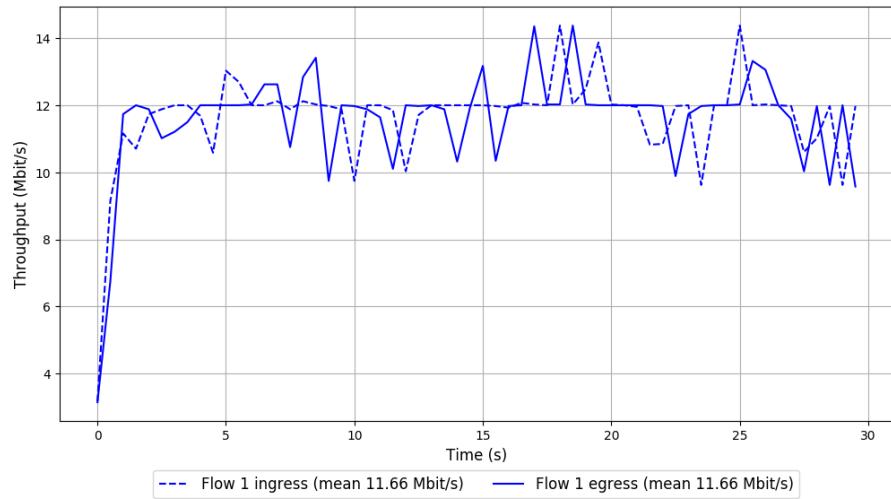


Run 2: Statistics of KohoCC

```
Start at: 2017-08-21 18:19:17
End at: 2017-08-21 18:19:47
Local clock offset: 0.417 ms
Remote clock offset: -3.425 ms

# Below is generated by plot.py at 2017-08-22 01:03:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 45.027 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 11.66 Mbit/s
95th percentile per-packet one-way delay: 45.027 ms
Loss rate: 0.38%
```

## Run 2: Report of KohoCC — Data Link

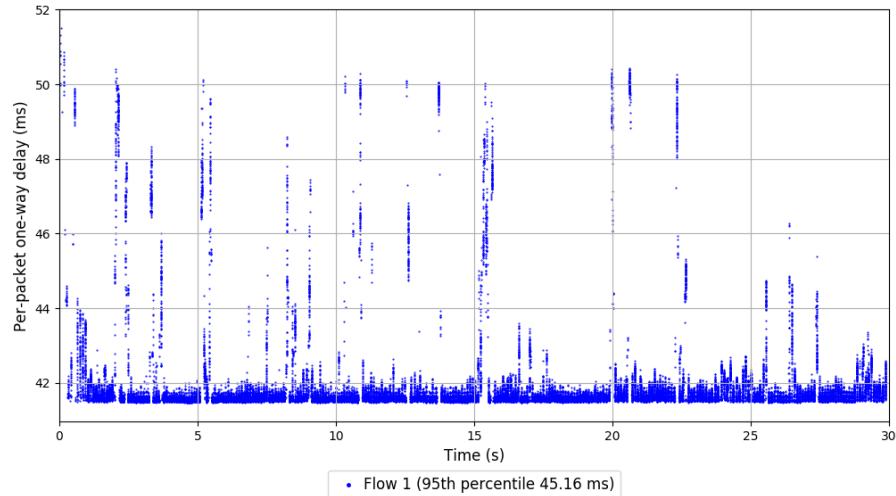
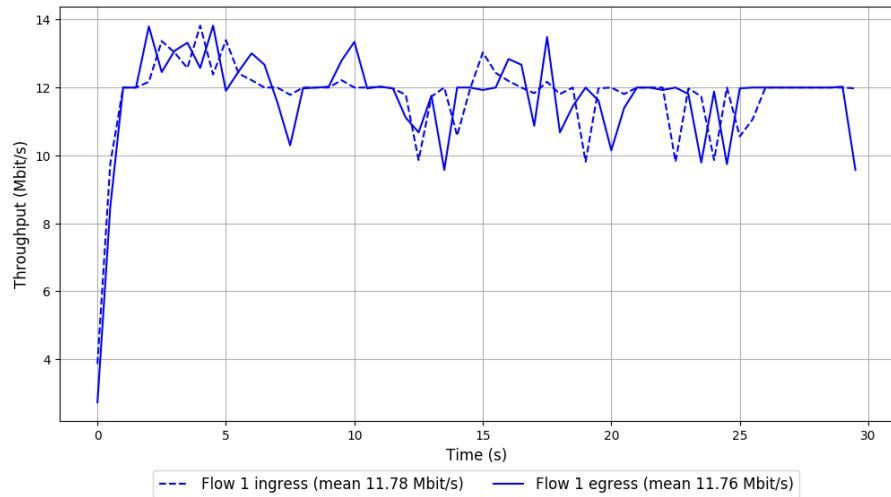


Run 3: Statistics of KohoCC

```
Start at: 2017-08-21 18:39:21
End at: 2017-08-21 18:39:51
Local clock offset: 0.347 ms
Remote clock offset: -1.205 ms

# Below is generated by plot.py at 2017-08-22 01:03:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 45.164 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 45.164 ms
Loss rate: 0.52%
```

### Run 3: Report of KohoCC — Data Link

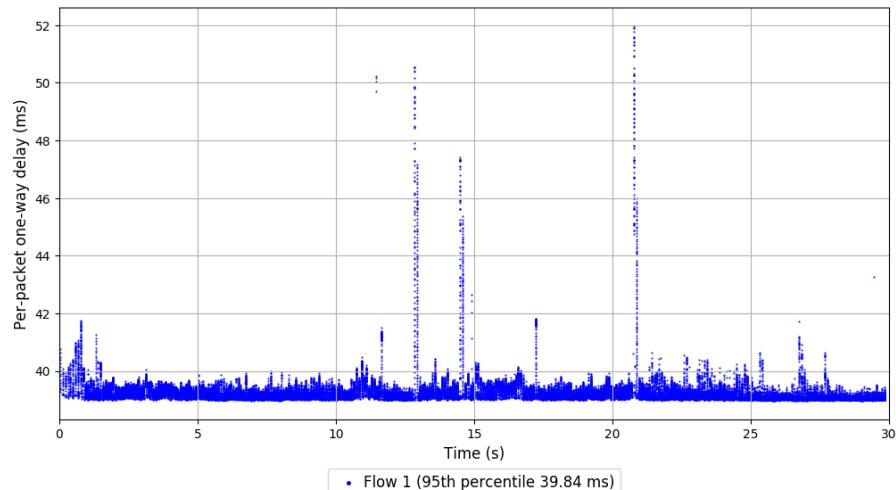
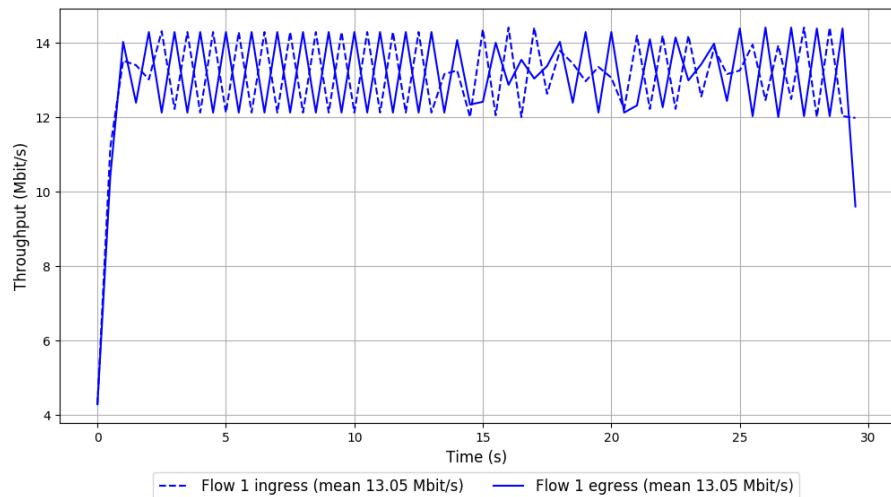


Run 4: Statistics of KohoCC

```
Start at: 2017-08-21 18:59:39
End at: 2017-08-21 19:00:09
Local clock offset: 0.334 ms
Remote clock offset: 1.598 ms

# Below is generated by plot.py at 2017-08-22 01:03:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 39.837 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 39.837 ms
Loss rate: 0.31%
```

## Run 4: Report of KohoCC — Data Link

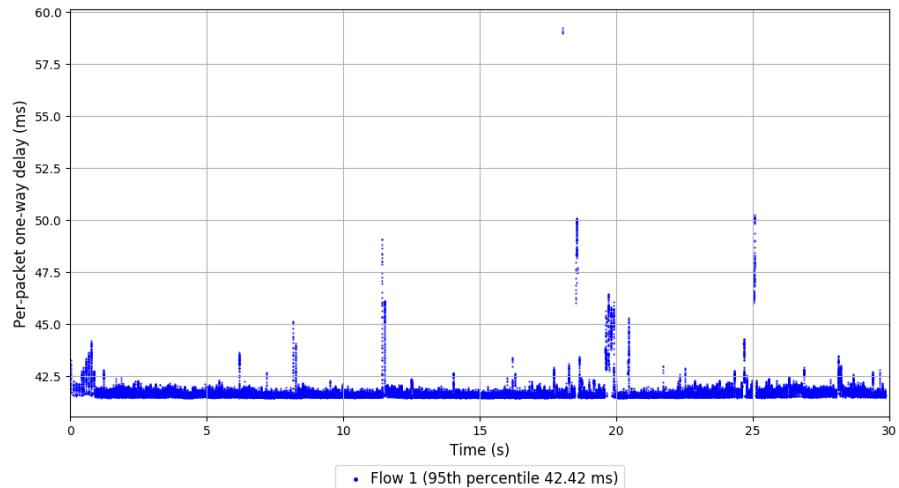
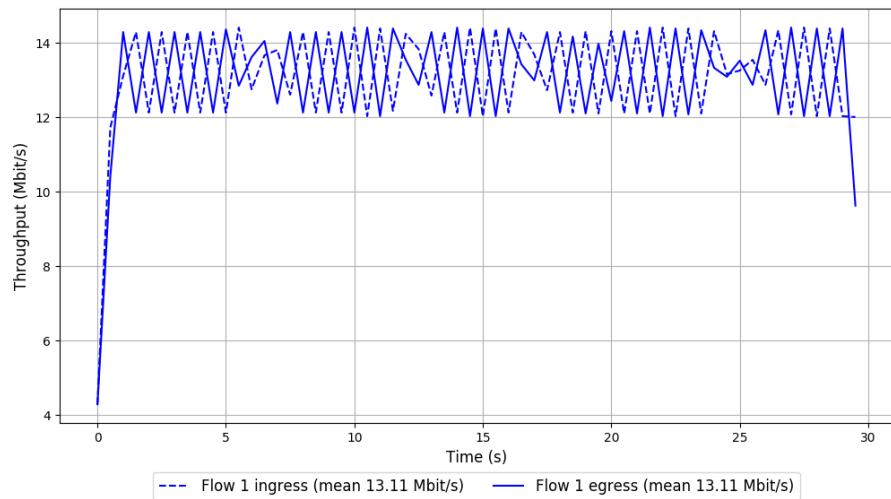


Run 5: Statistics of KohoCC

```
Start at: 2017-08-21 19:20:21
End at: 2017-08-21 19:20:51
Local clock offset: 0.319 ms
Remote clock offset: -0.59 ms

# Below is generated by plot.py at 2017-08-22 01:03:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 42.422 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 42.422 ms
Loss rate: 0.33%
```

Run 5: Report of KohoCC — Data Link

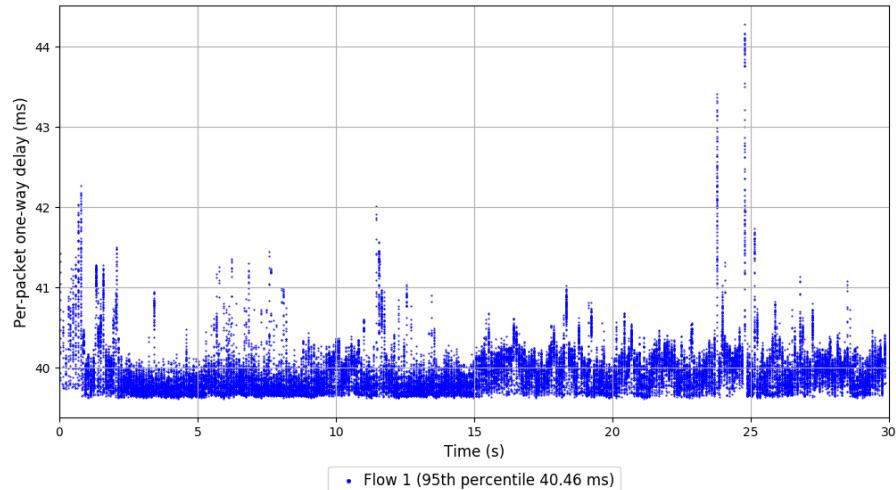
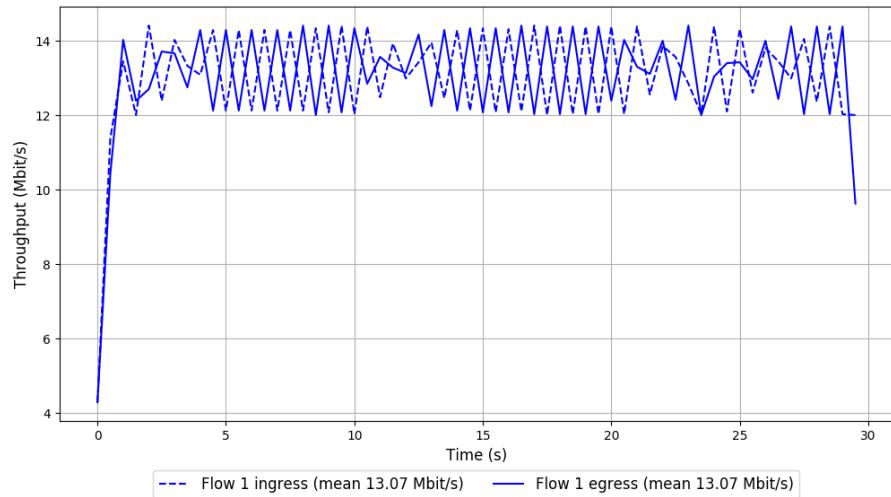


Run 6: Statistics of KohoCC

```
Start at: 2017-08-21 19:40:55
End at: 2017-08-21 19:41:25
Local clock offset: 0.282 ms
Remote clock offset: 1.365 ms

# Below is generated by plot.py at 2017-08-22 01:03:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 40.464 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 13.07 Mbit/s
95th percentile per-packet one-way delay: 40.464 ms
Loss rate: 0.31%
```

Run 6: Report of KohoCC — Data Link

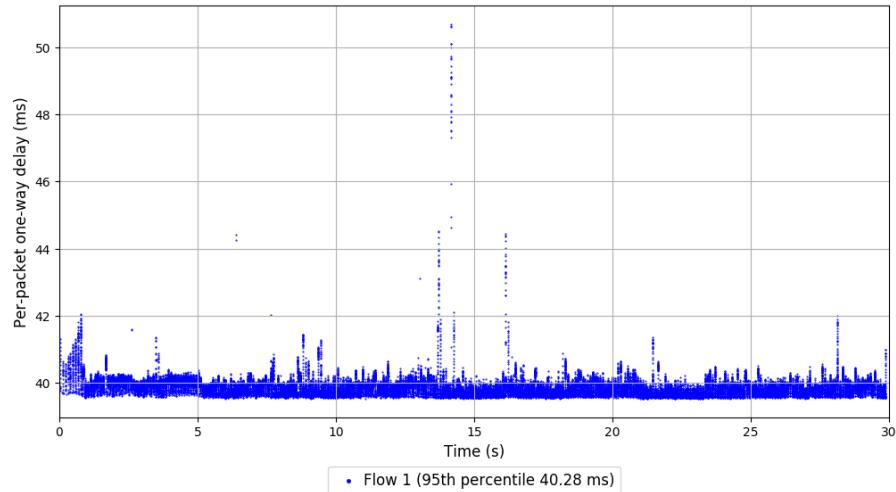
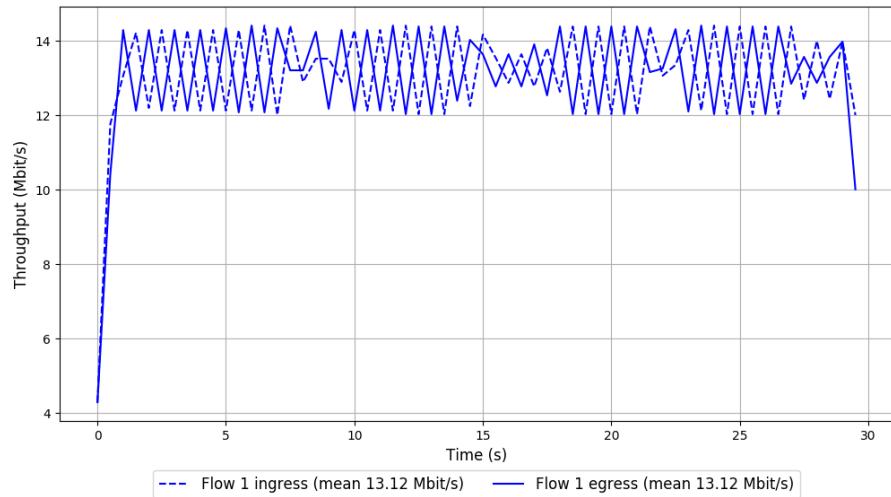


Run 7: Statistics of KohoCC

```
Start at: 2017-08-21 20:01:20
End at: 2017-08-21 20:01:50
Local clock offset: 0.183 ms
Remote clock offset: 1.413 ms

# Below is generated by plot.py at 2017-08-22 01:03:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 40.277 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 13.12 Mbit/s
95th percentile per-packet one-way delay: 40.277 ms
Loss rate: 0.31%
```

Run 7: Report of KohoCC — Data Link

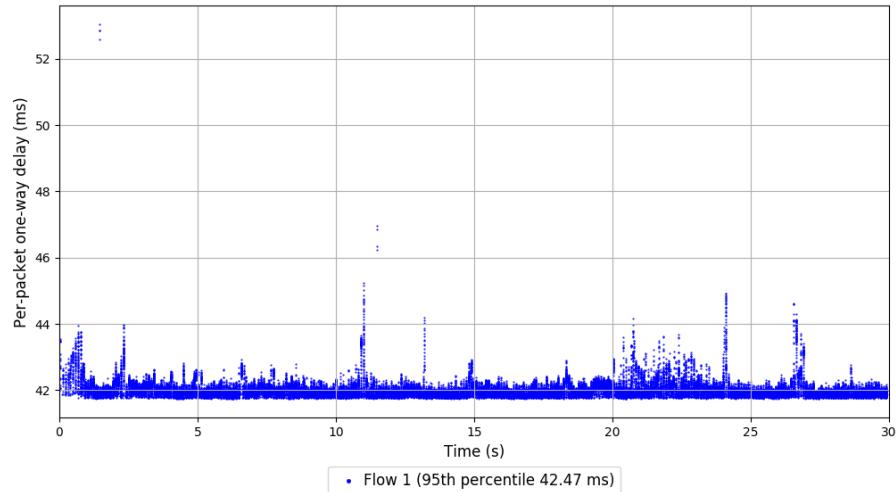
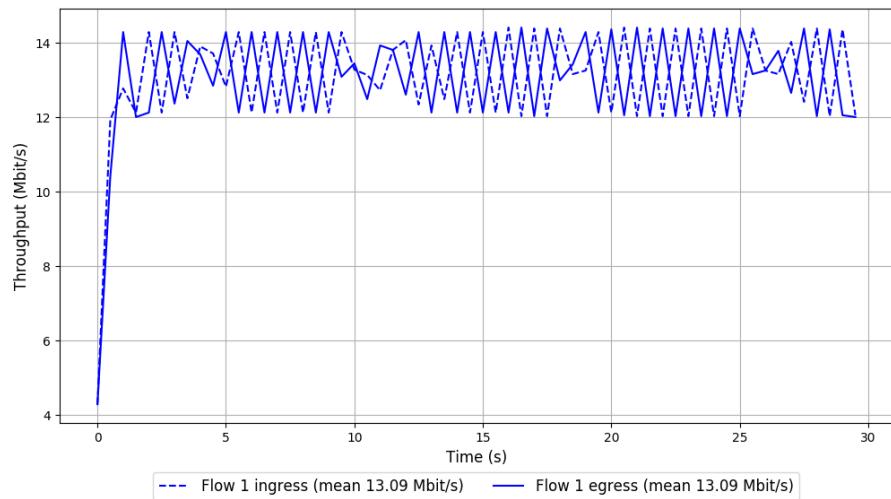


Run 8: Statistics of KohoCC

```
Start at: 2017-08-21 20:21:40
End at: 2017-08-21 20:22:10
Local clock offset: -0.035 ms
Remote clock offset: -0.704 ms

# Below is generated by plot.py at 2017-08-22 01:03:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 42.474 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 13.09 Mbit/s
95th percentile per-packet one-way delay: 42.474 ms
Loss rate: 0.31%
```

## Run 8: Report of KohoCC — Data Link

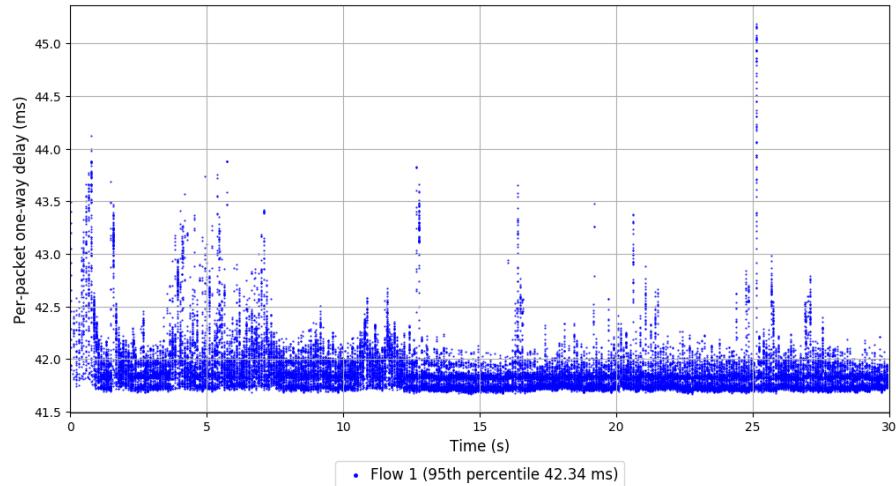
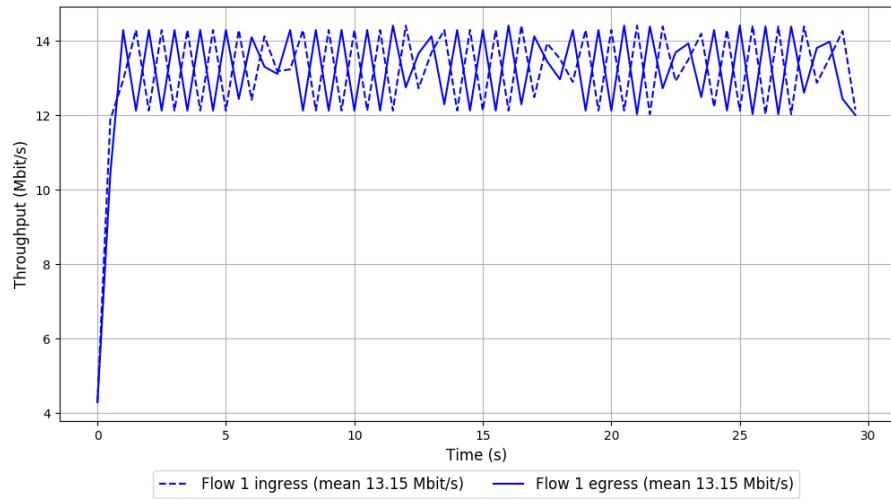


Run 9: Statistics of KohoCC

```
Start at: 2017-08-21 20:41:57
End at: 2017-08-21 20:42:27
Local clock offset: 0.024 ms
Remote clock offset: -0.586 ms

# Below is generated by plot.py at 2017-08-22 01:03:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 42.336 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 42.336 ms
Loss rate: 0.30%
```

Run 9: Report of KohoCC — Data Link

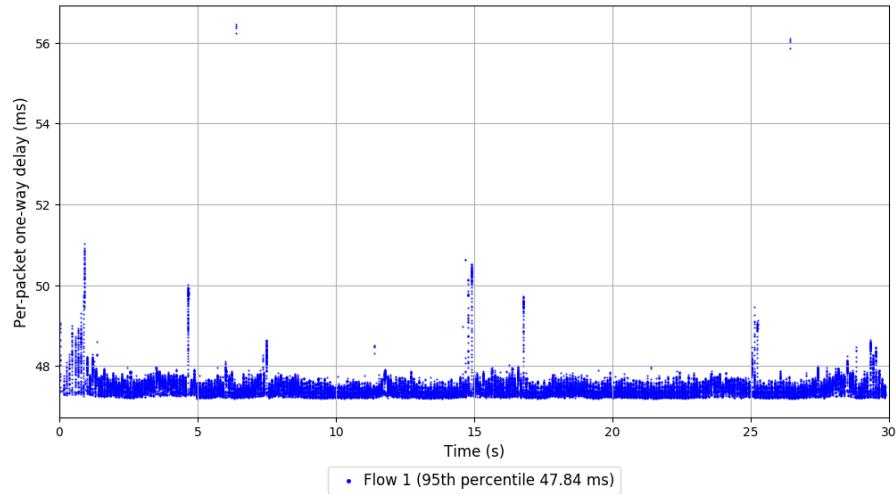
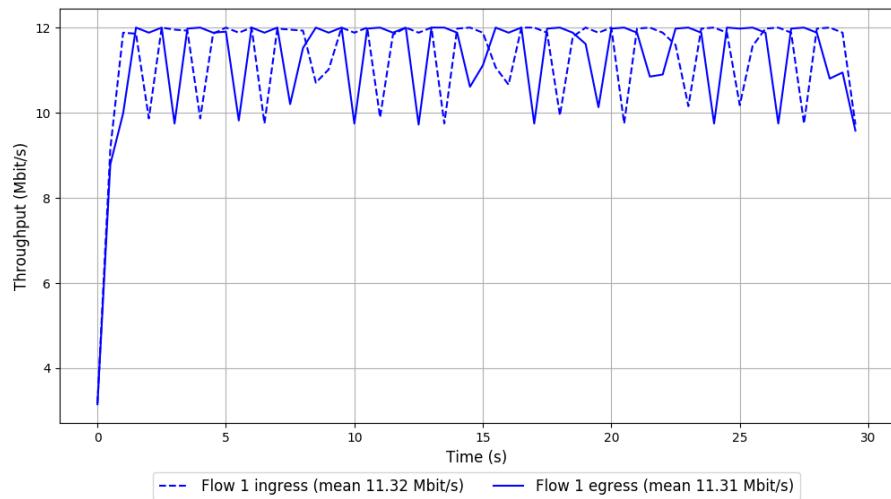


Run 10: Statistics of KohoCC

```
Start at: 2017-08-21 21:02:10
End at: 2017-08-21 21:02:40
Local clock offset: 0.114 ms
Remote clock offset: -5.475 ms

# Below is generated by plot.py at 2017-08-22 01:03:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 47.835 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 47.835 ms
Loss rate: 0.35%
```

Run 10: Report of KohoCC — Data Link

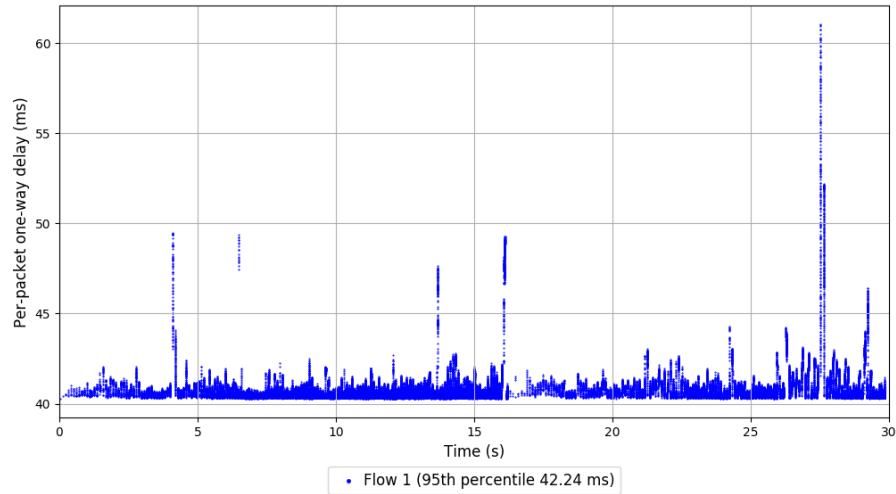
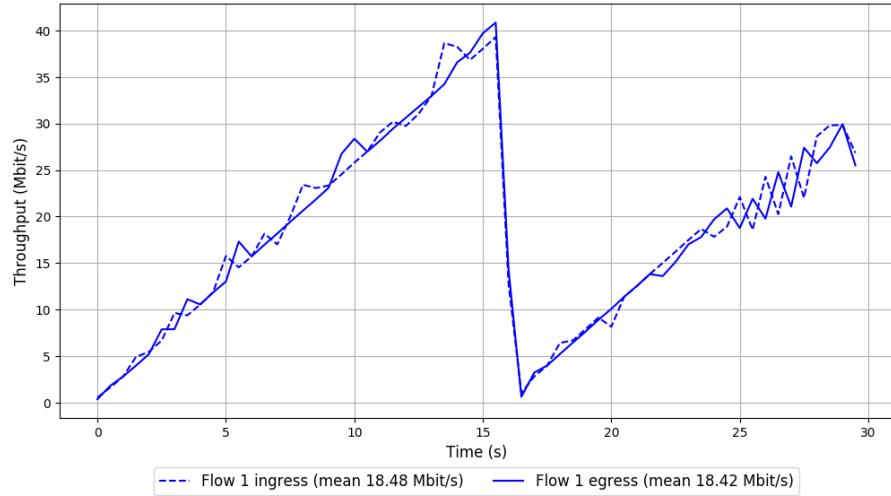


Run 1: Statistics of LEDBAT

```
Start at: 2017-08-21 18:04:18
End at: 2017-08-21 18:04:48
Local clock offset: 0.459 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2017-08-22 01:03:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 42.238 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 42.238 ms
Loss rate: 0.64%
```

## Run 1: Report of LEDBAT — Data Link

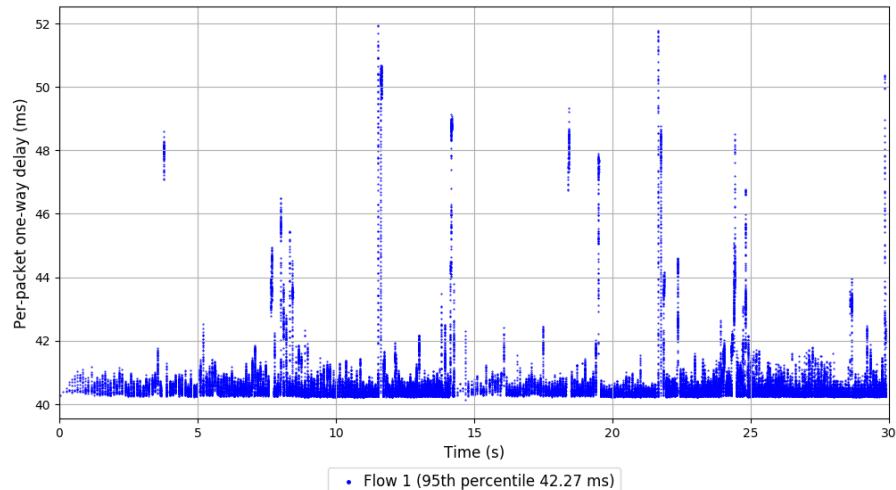
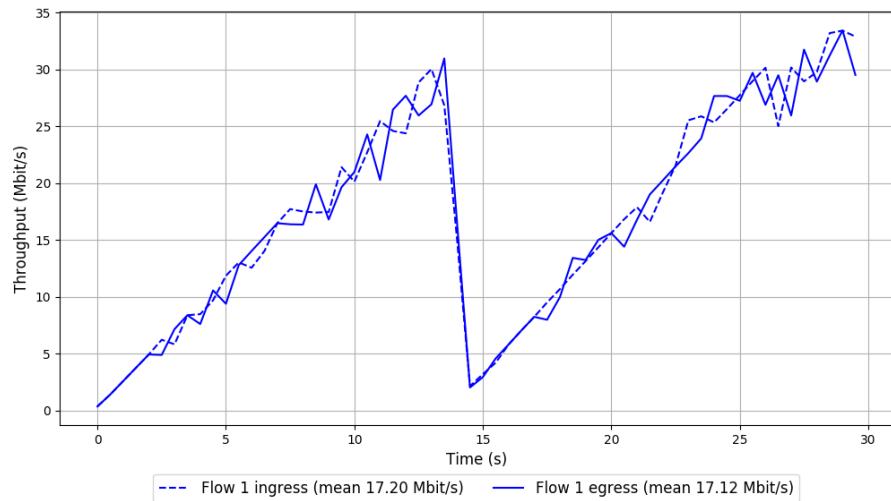


Run 2: Statistics of LEDBAT

```
Start at: 2017-08-21 18:24:35
End at: 2017-08-21 18:25:05
Local clock offset: 0.333 ms
Remote clock offset: 0.426 ms

# Below is generated by plot.py at 2017-08-22 01:03:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.12 Mbit/s
95th percentile per-packet one-way delay: 42.271 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 17.12 Mbit/s
95th percentile per-packet one-way delay: 42.271 ms
Loss rate: 0.78%
```

## Run 2: Report of LEDBAT — Data Link

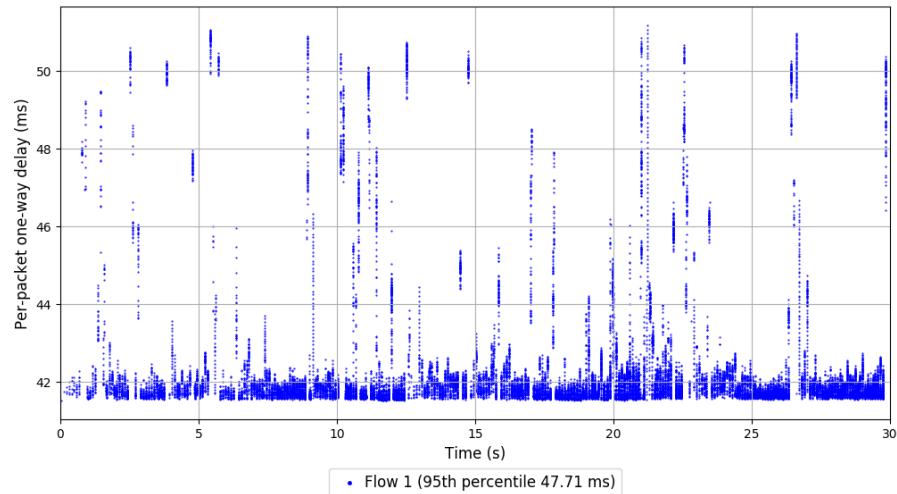
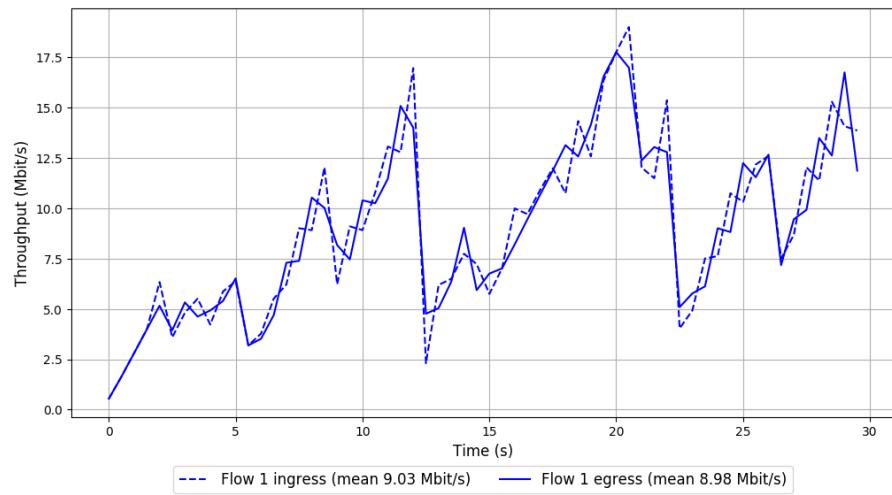


Run 3: Statistics of LEDBAT

```
Start at: 2017-08-21 18:44:39
End at: 2017-08-21 18:45:09
Local clock offset: 0.41 ms
Remote clock offset: -1.028 ms

# Below is generated by plot.py at 2017-08-22 01:03:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 47.710 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 47.710 ms
Loss rate: 0.85%
```

Run 3: Report of LEDBAT — Data Link

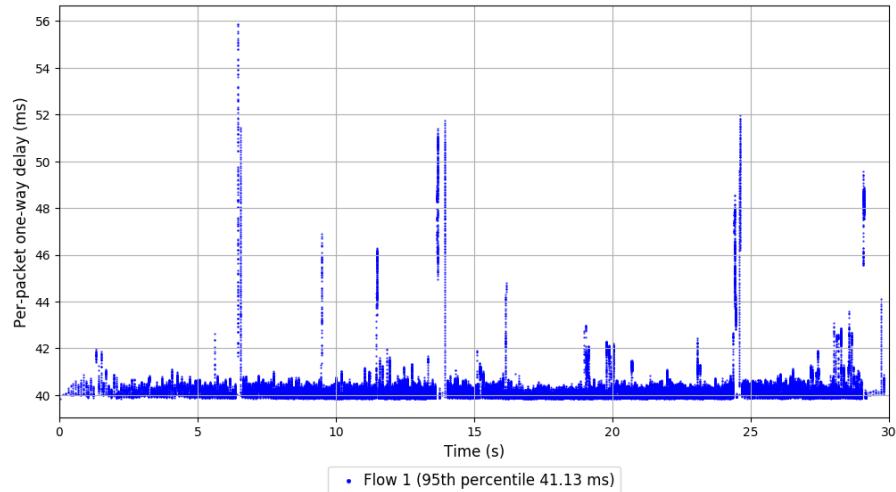
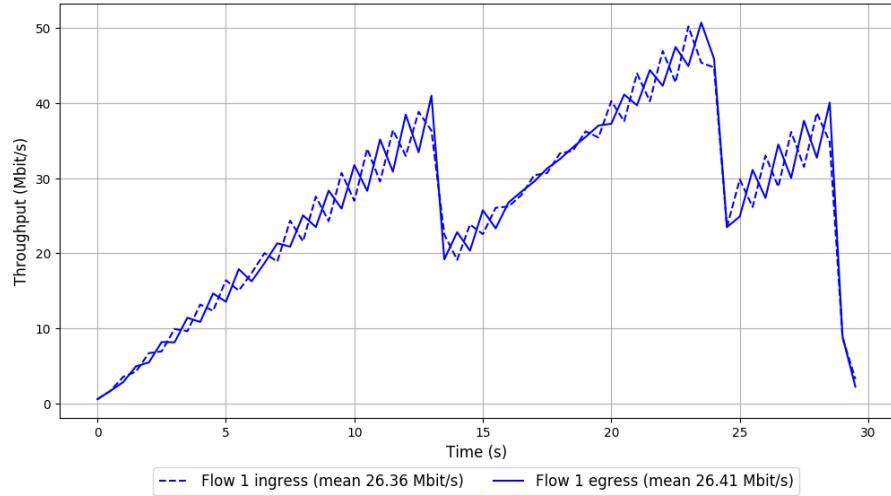


Run 4: Statistics of LEDBAT

```
Start at: 2017-08-21 19:05:11
End at: 2017-08-21 19:05:41
Local clock offset: 0.4 ms
Remote clock offset: 1.548 ms

# Below is generated by plot.py at 2017-08-22 01:03:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 41.131 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 41.131 ms
Loss rate: 0.13%
```

## Run 4: Report of LEDBAT — Data Link

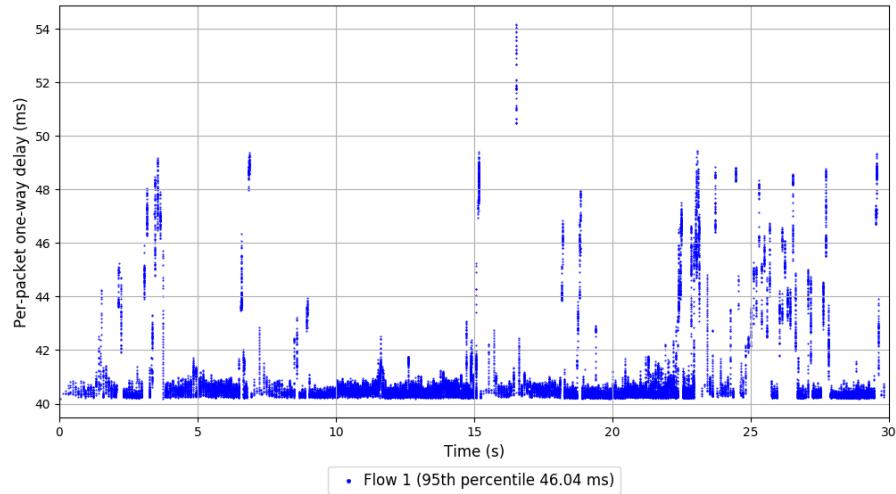
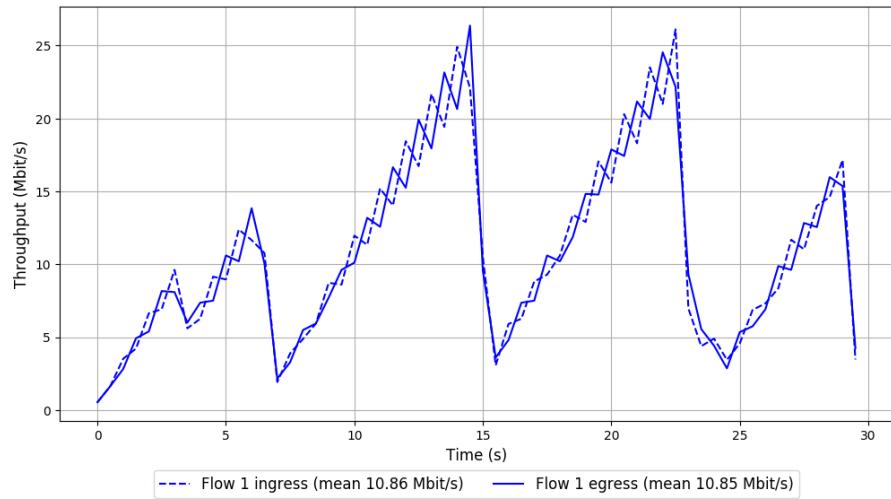


Run 5: Statistics of LEDBAT

```
Start at: 2017-08-21 19:25:39
End at: 2017-08-21 19:26:09
Local clock offset: 0.398 ms
Remote clock offset: 1.57 ms

# Below is generated by plot.py at 2017-08-22 01:03:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: 46.037 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 10.85 Mbit/s
95th percentile per-packet one-way delay: 46.037 ms
Loss rate: 0.46%
```

Run 5: Report of LEDBAT — Data Link

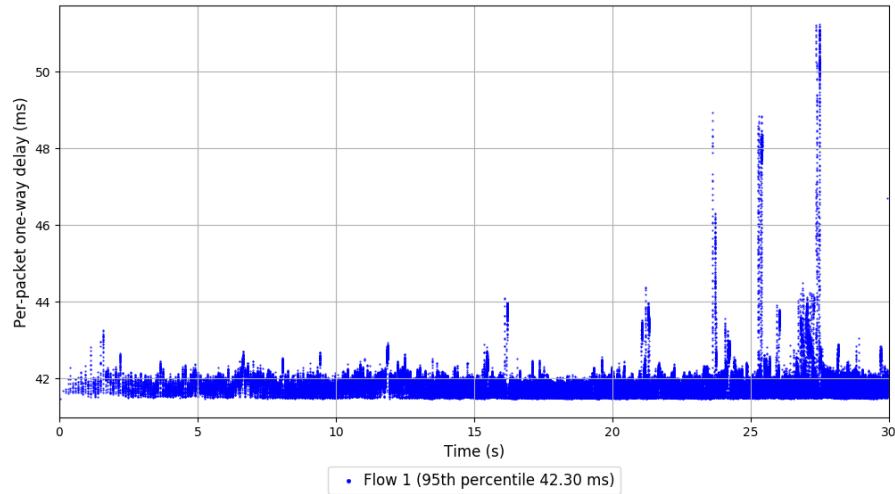
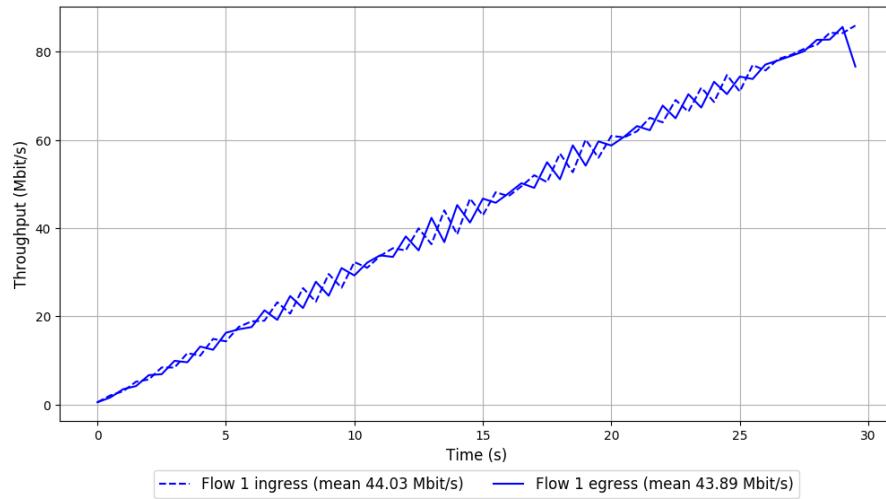


Run 6: Statistics of LEDBAT

```
Start at: 2017-08-21 19:46:18
End at: 2017-08-21 19:46:49
Local clock offset: 0.186 ms
Remote clock offset: -0.706 ms

# Below is generated by plot.py at 2017-08-22 01:03:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 42.297 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 42.297 ms
Loss rate: 0.59%
```

Run 6: Report of LEDBAT — Data Link

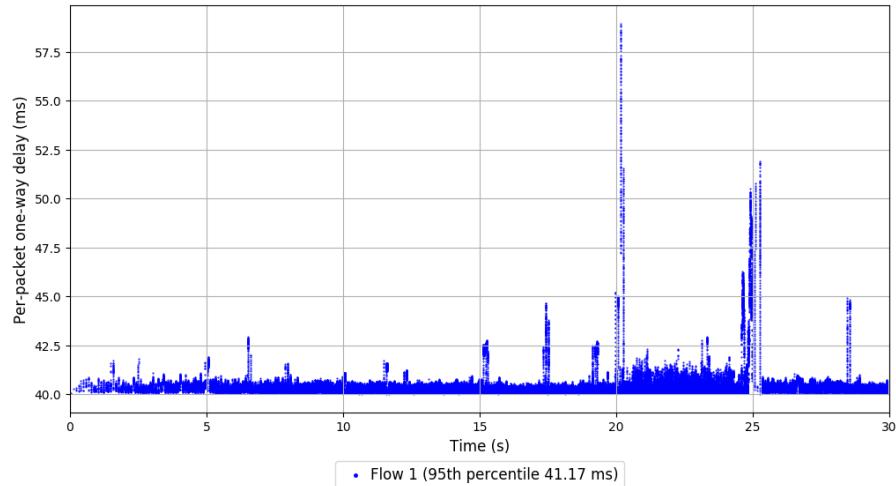
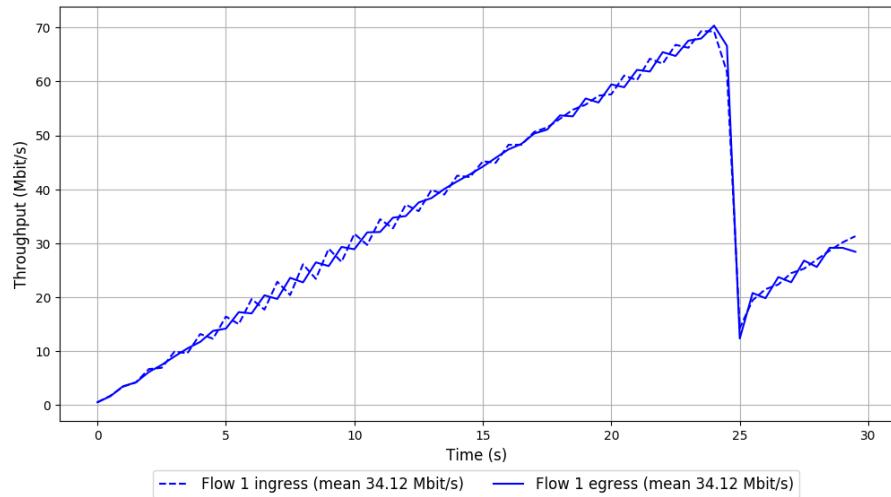


Run 7: Statistics of LEDBAT

```
Start at: 2017-08-21 20:06:39
End at: 2017-08-21 20:07:09
Local clock offset: 0.065 ms
Remote clock offset: 1.556 ms

# Below is generated by plot.py at 2017-08-22 01:03:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 41.168 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 34.12 Mbit/s
95th percentile per-packet one-way delay: 41.168 ms
Loss rate: 0.30%
```

## Run 7: Report of LEDBAT — Data Link

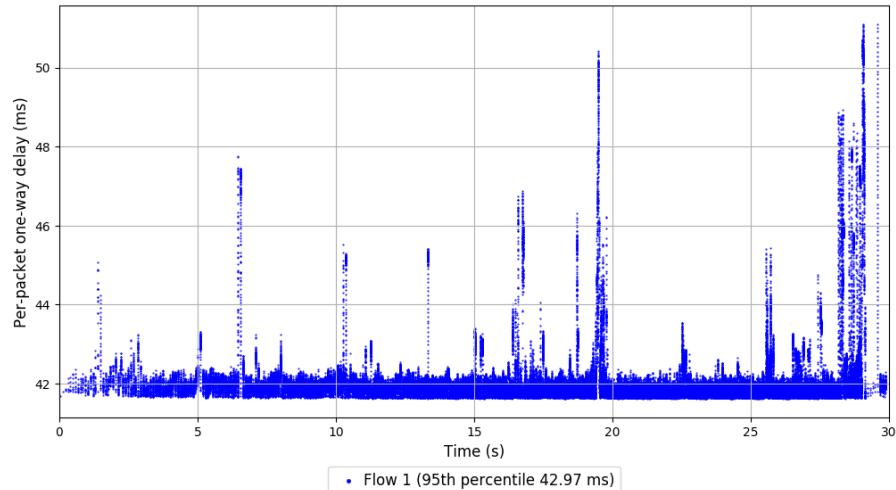
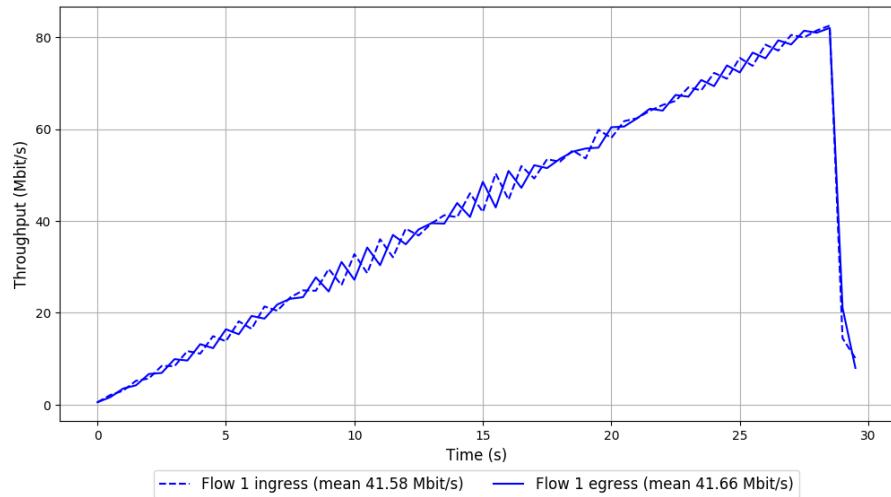


Run 8: Statistics of LEDBAT

```
Start at: 2017-08-21 20:27:00
End at: 2017-08-21 20:27:30
Local clock offset: -0.017 ms
Remote clock offset: -0.55 ms

# Below is generated by plot.py at 2017-08-22 01:03:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.66 Mbit/s
95th percentile per-packet one-way delay: 42.965 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 41.66 Mbit/s
95th percentile per-packet one-way delay: 42.965 ms
Loss rate: 0.11%
```

Run 8: Report of LEDBAT — Data Link

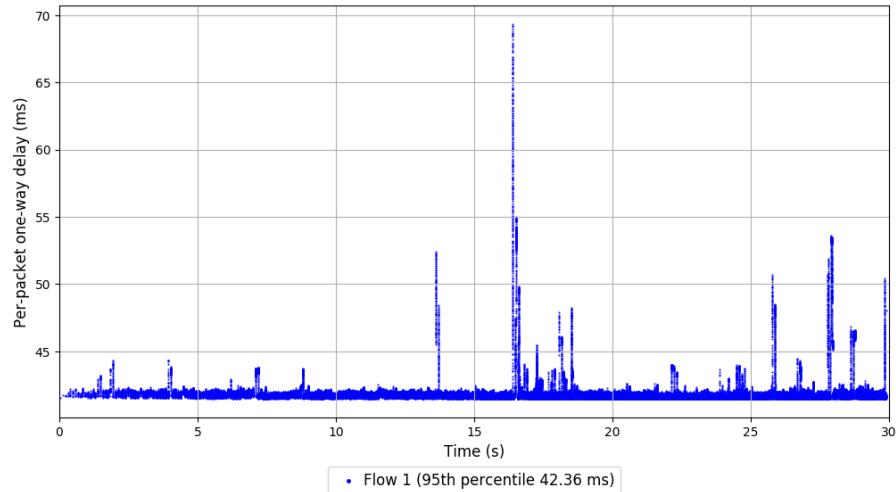
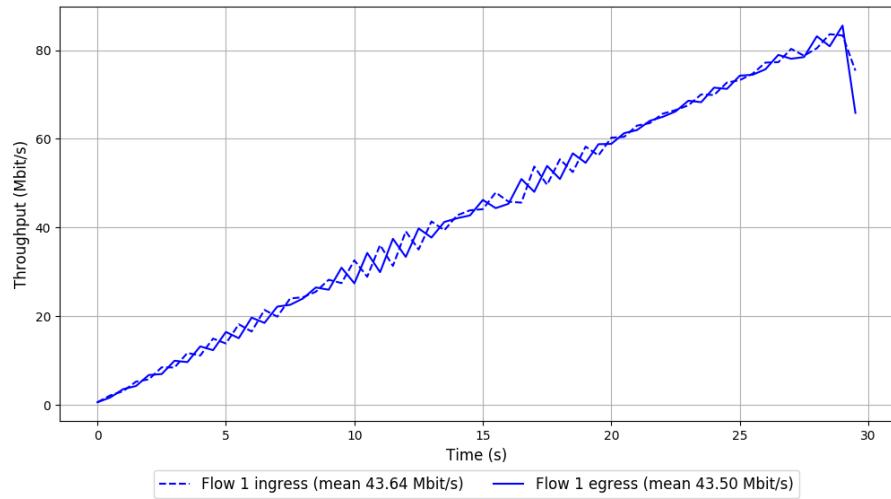


Run 9: Statistics of LEDBAT

```
Start at: 2017-08-21 20:47:16
End at: 2017-08-21 20:47:46
Local clock offset: -0.072 ms
Remote clock offset: -0.503 ms

# Below is generated by plot.py at 2017-08-22 01:03:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.50 Mbit/s
95th percentile per-packet one-way delay: 42.363 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 43.50 Mbit/s
95th percentile per-packet one-way delay: 42.363 ms
Loss rate: 0.59%
```

Run 9: Report of LEDBAT — Data Link

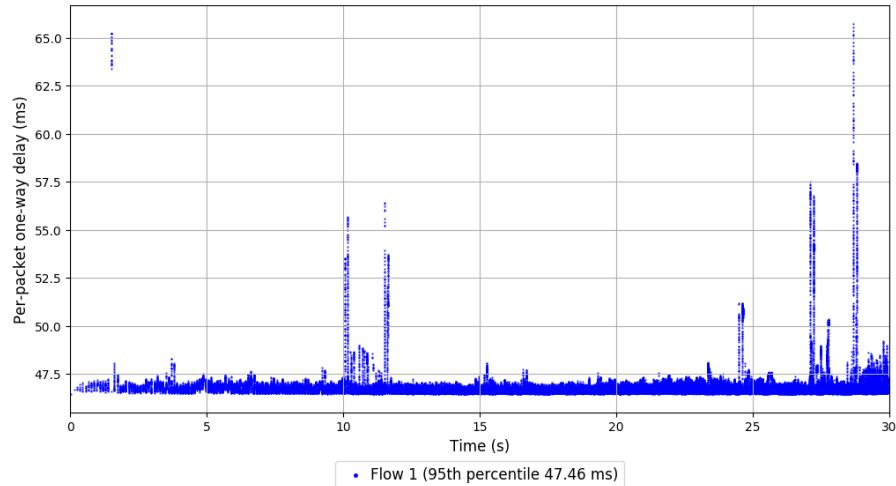
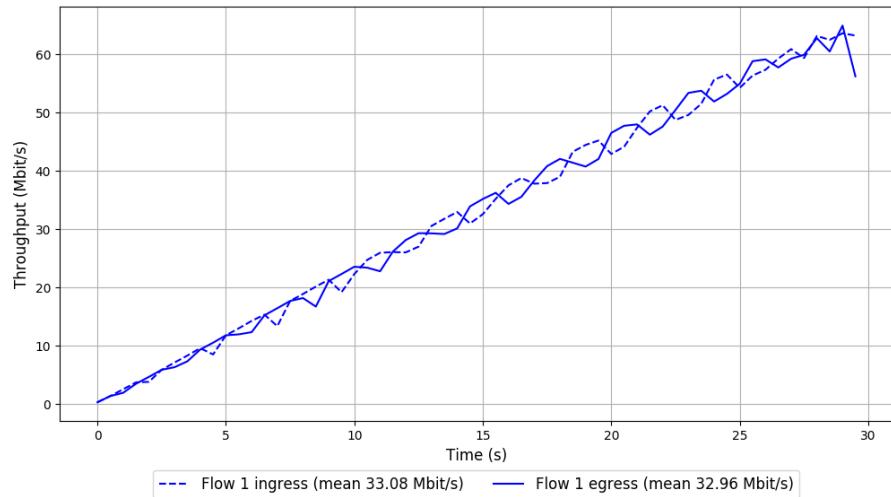


Run 10: Statistics of LEDBAT

```
Start at: 2017-08-21 21:07:31
End at: 2017-08-21 21:08:01
Local clock offset: 0.091 ms
Remote clock offset: -5.605 ms

# Below is generated by plot.py at 2017-08-22 01:03:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 47.459 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 32.96 Mbit/s
95th percentile per-packet one-way delay: 47.459 ms
Loss rate: 0.69%
```

## Run 10: Report of LEDBAT — Data Link

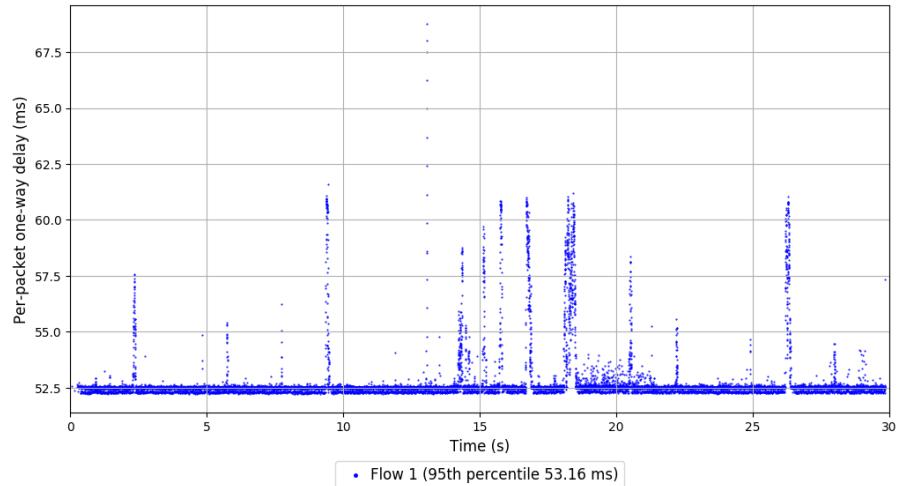
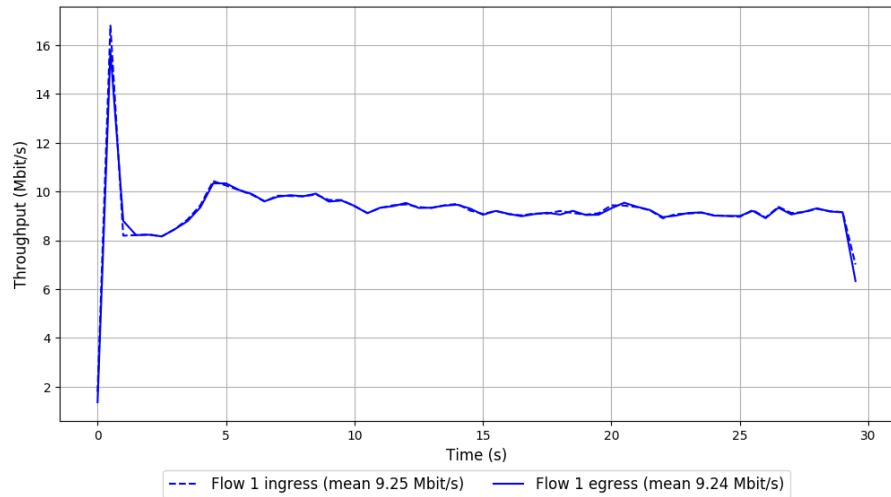


Run 1: Statistics of PCC

```
Start at: 2017-08-21 18:01:42
End at: 2017-08-21 18:02:12
Local clock offset: 0.46 ms
Remote clock offset: -13.04 ms

# Below is generated by plot.py at 2017-08-22 01:03:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 53.163 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 53.163 ms
Loss rate: 0.35%
```

## Run 1: Report of PCC — Data Link

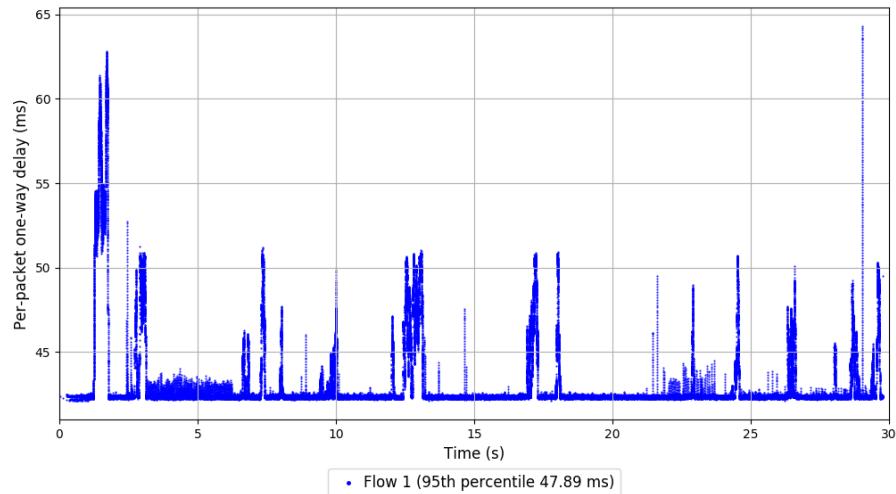
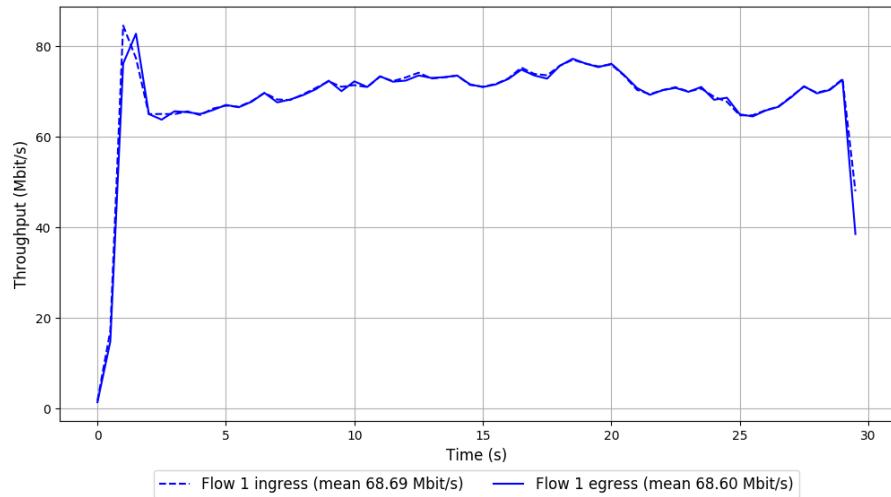


Run 2: Statistics of PCC

```
Start at: 2017-08-21 18:21:57
End at: 2017-08-21 18:22:27
Local clock offset: 0.343 ms
Remote clock offset: -1.703 ms

# Below is generated by plot.py at 2017-08-22 01:03:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.60 Mbit/s
95th percentile per-packet one-way delay: 47.886 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 68.60 Mbit/s
95th percentile per-packet one-way delay: 47.886 ms
Loss rate: 0.48%
```

## Run 2: Report of PCC — Data Link

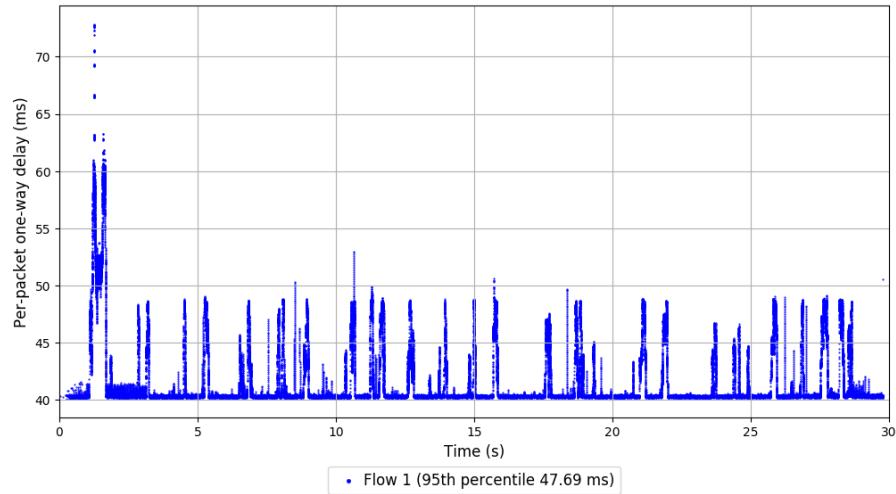
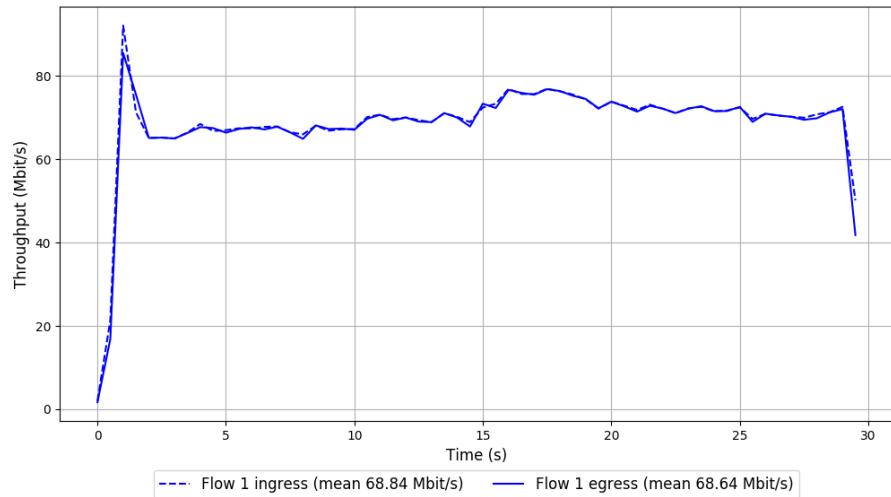


Run 3: Statistics of PCC

```
Start at: 2017-08-21 18:42:00
End at: 2017-08-21 18:42:30
Local clock offset: 0.357 ms
Remote clock offset: 0.801 ms

# Below is generated by plot.py at 2017-08-22 01:03:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.64 Mbit/s
95th percentile per-packet one-way delay: 47.689 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 68.64 Mbit/s
95th percentile per-packet one-way delay: 47.689 ms
Loss rate: 0.57%
```

### Run 3: Report of PCC — Data Link

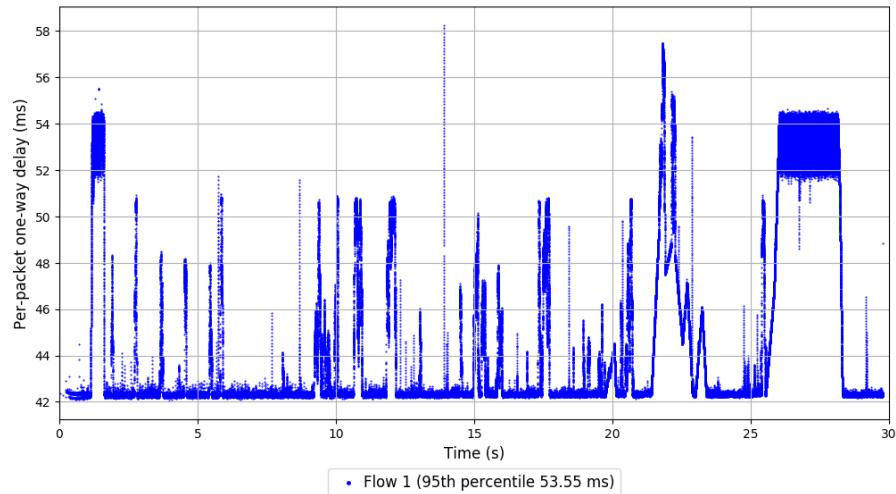
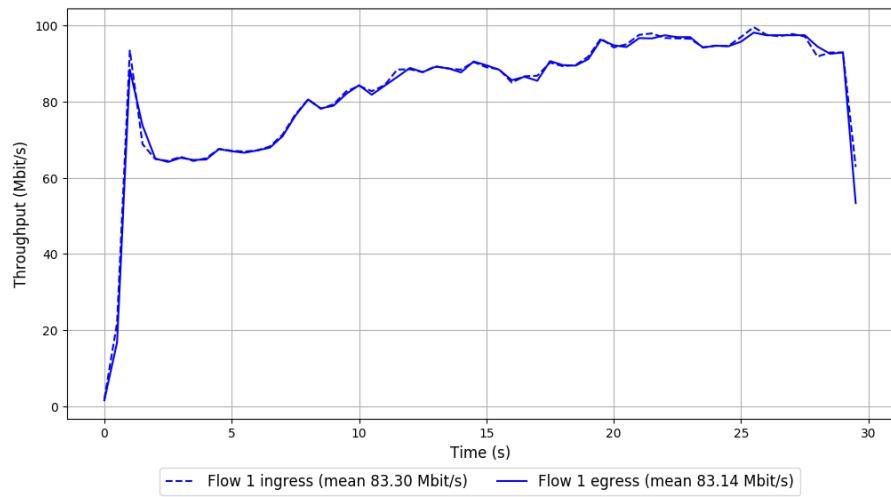


Run 4: Statistics of PCC

```
Start at: 2017-08-21 19:02:21
End at: 2017-08-21 19:02:51
Local clock offset: 0.317 ms
Remote clock offset: -1.044 ms

# Below is generated by plot.py at 2017-08-22 01:03:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 53.554 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 83.14 Mbit/s
95th percentile per-packet one-way delay: 53.554 ms
Loss rate: 0.47%
```

### Run 4: Report of PCC — Data Link

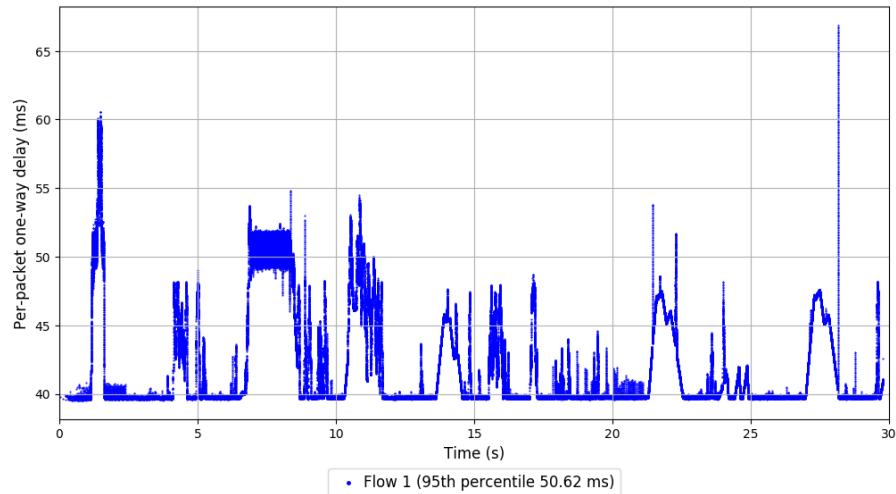
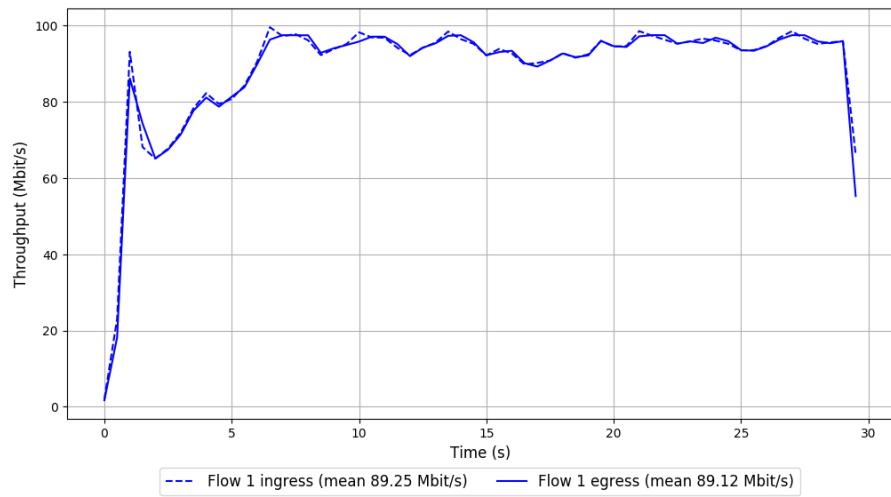


Run 5: Statistics of PCC

```
Start at: 2017-08-21 19:23:01
End at: 2017-08-21 19:23:31
Local clock offset: 0.447 ms
Remote clock offset: 1.43 ms

# Below is generated by plot.py at 2017-08-22 01:04:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 50.621 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 89.12 Mbit/s
95th percentile per-packet one-way delay: 50.621 ms
Loss rate: 0.45%
```

### Run 5: Report of PCC — Data Link

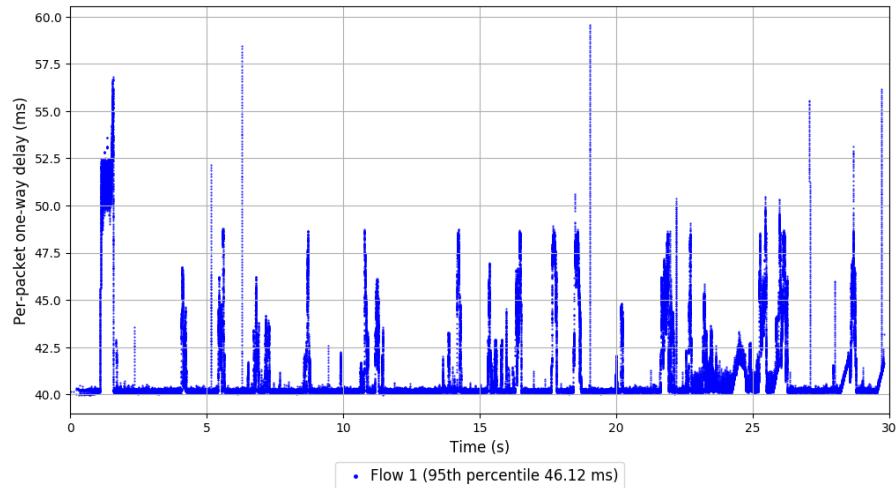
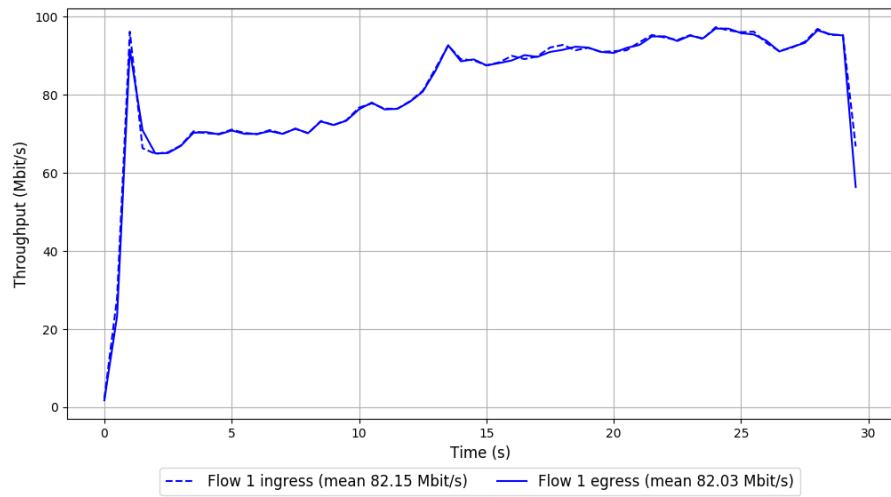


Run 6: Statistics of PCC

```
Start at: 2017-08-21 19:43:37
End at: 2017-08-21 19:44:07
Local clock offset: 0.177 ms
Remote clock offset: 1.388 ms

# Below is generated by plot.py at 2017-08-22 01:04:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 46.115 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 82.03 Mbit/s
95th percentile per-packet one-way delay: 46.115 ms
Loss rate: 0.45%
```

### Run 6: Report of PCC — Data Link

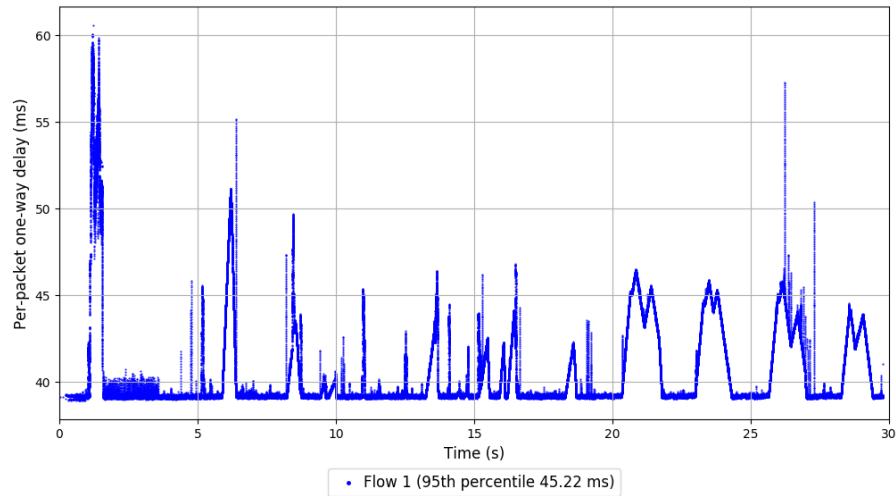
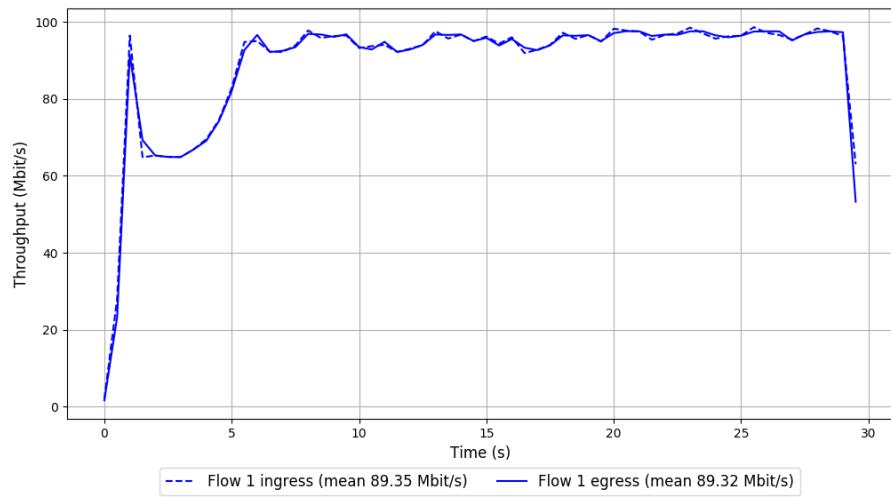


Run 7: Statistics of PCC

```
Start at: 2017-08-21 20:04:00
End at: 2017-08-21 20:04:30
Local clock offset: 0.138 ms
Remote clock offset: 1.749 ms

# Below is generated by plot.py at 2017-08-22 01:04:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.32 Mbit/s
95th percentile per-packet one-way delay: 45.216 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 89.32 Mbit/s
95th percentile per-packet one-way delay: 45.216 ms
Loss rate: 0.33%
```

### Run 7: Report of PCC — Data Link

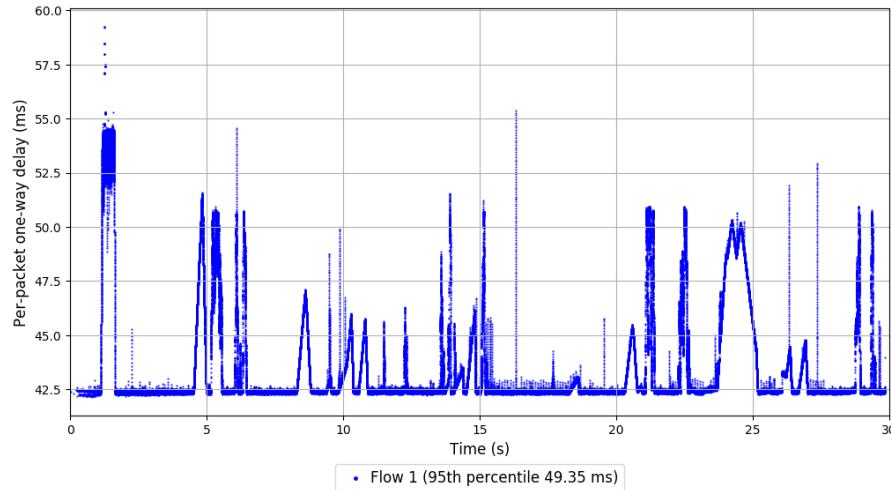
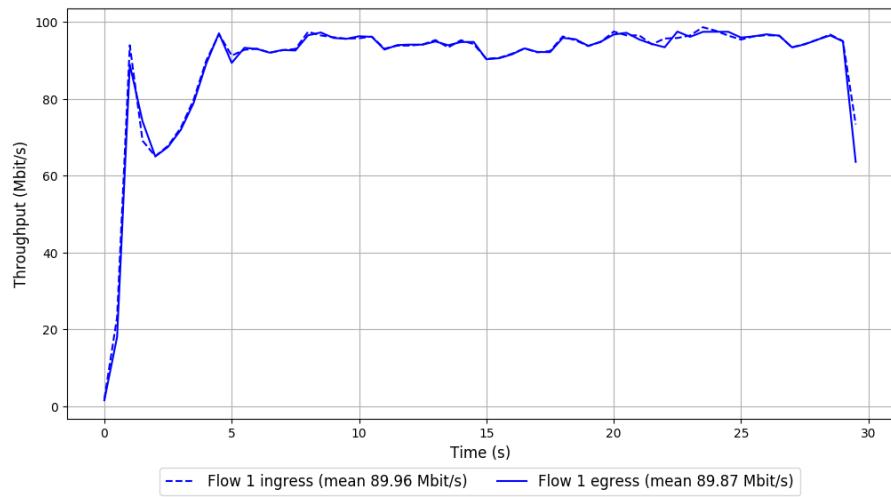


Run 8: Statistics of PCC

```
Start at: 2017-08-21 20:24:20
End at: 2017-08-21 20:24:50
Local clock offset: -0.041 ms
Remote clock offset: -0.603 ms

# Below is generated by plot.py at 2017-08-22 01:04:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 49.350 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 89.87 Mbit/s
95th percentile per-packet one-way delay: 49.350 ms
Loss rate: 0.40%
```

Run 8: Report of PCC — Data Link

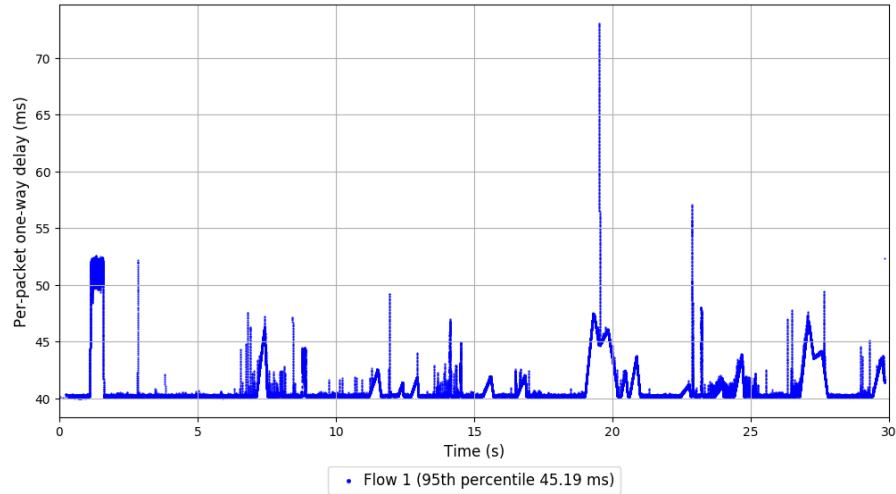
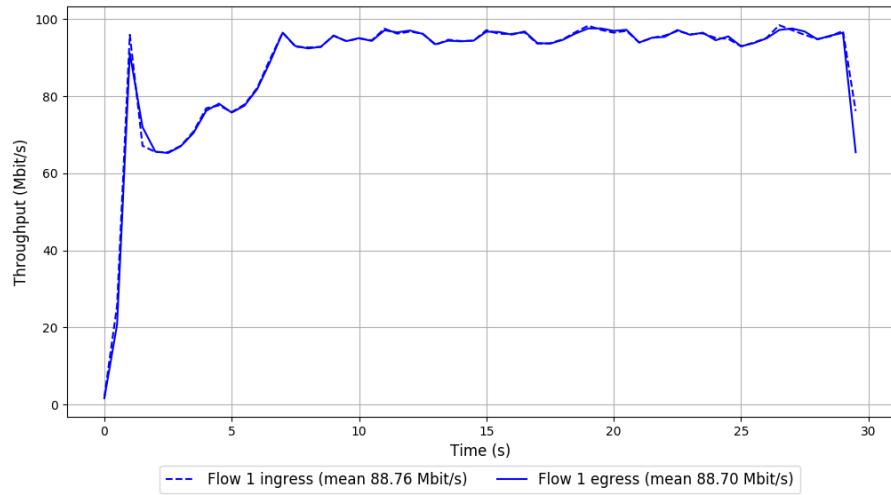


Run 9: Statistics of PCC

```
Start at: 2017-08-21 20:44:36
End at: 2017-08-21 20:45:06
Local clock offset: -0.052 ms
Remote clock offset: 1.449 ms

# Below is generated by plot.py at 2017-08-22 01:04:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 45.186 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 88.70 Mbit/s
95th percentile per-packet one-way delay: 45.186 ms
Loss rate: 0.35%
```

### Run 9: Report of PCC — Data Link

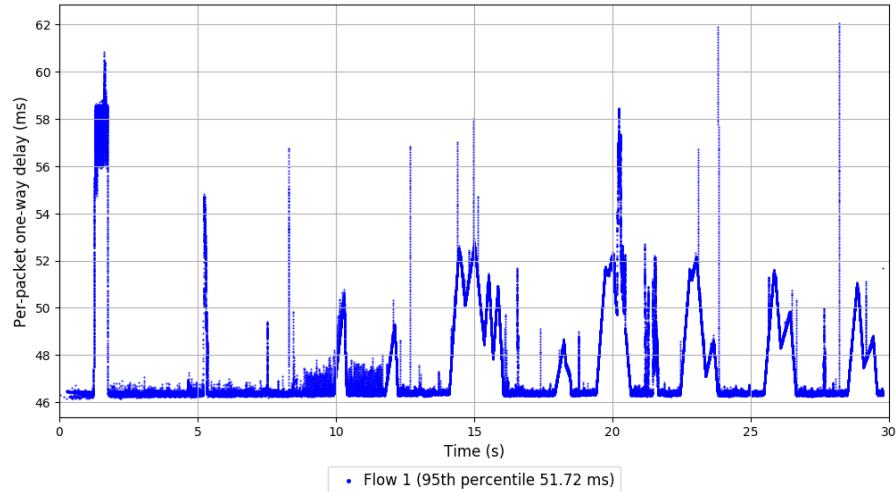
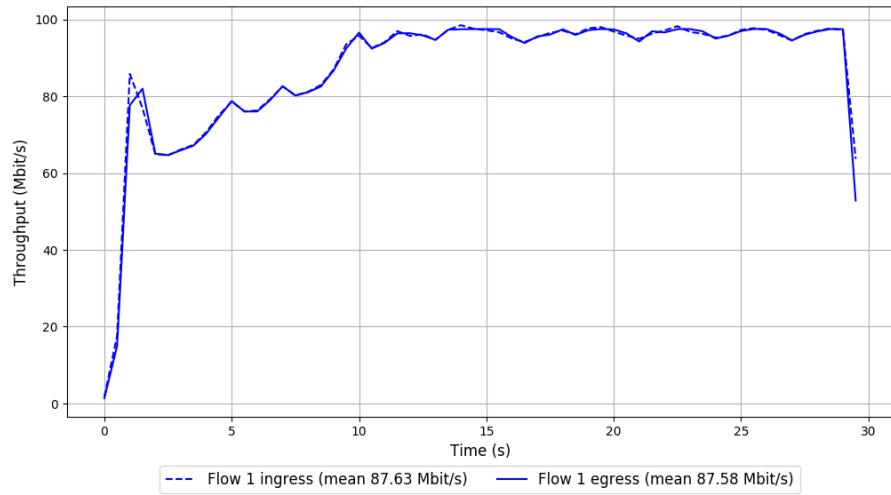


Run 10: Statistics of PCC

```
Start at: 2017-08-21 21:04:51
End at: 2017-08-21 21:05:21
Local clock offset: 0.082 ms
Remote clock offset: -5.478 ms

# Below is generated by plot.py at 2017-08-22 01:04:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 51.718 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 87.58 Mbit/s
95th percentile per-packet one-way delay: 51.718 ms
Loss rate: 0.39%
```

Run 10: Report of PCC — Data Link

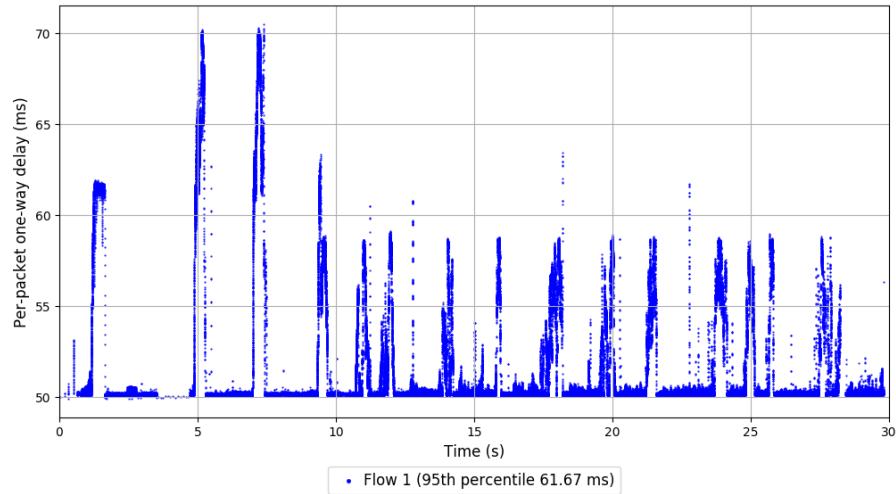
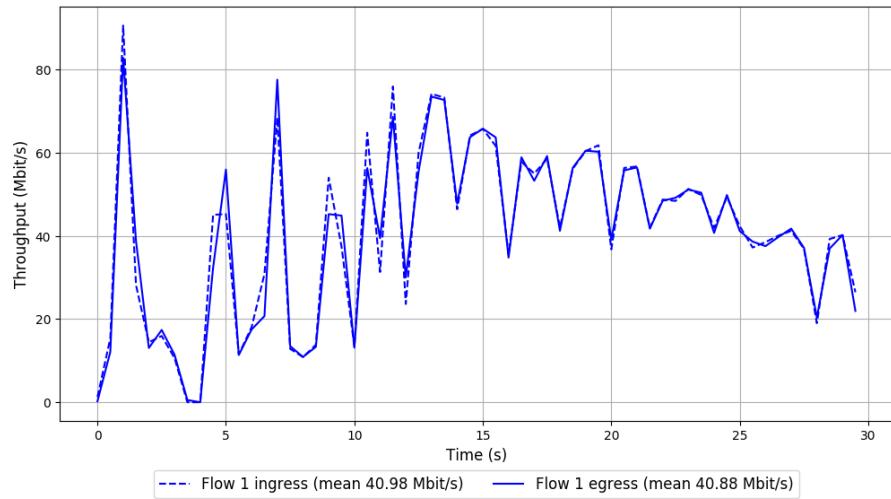


Run 1: Statistics of QUIC Cubic

```
Start at: 2017-08-21 18:00:16
End at: 2017-08-21 18:00:47
Local clock offset: 0.447 ms
Remote clock offset: -10.704 ms

# Below is generated by plot.py at 2017-08-22 01:04:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 61.670 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 40.88 Mbit/s
95th percentile per-packet one-way delay: 61.670 ms
Loss rate: 0.65%
```

Run 1: Report of QUIC Cubic — Data Link

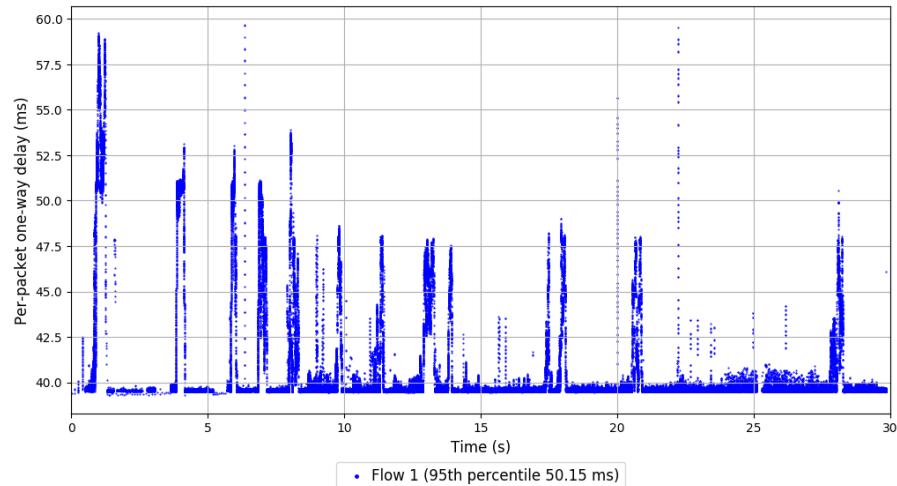
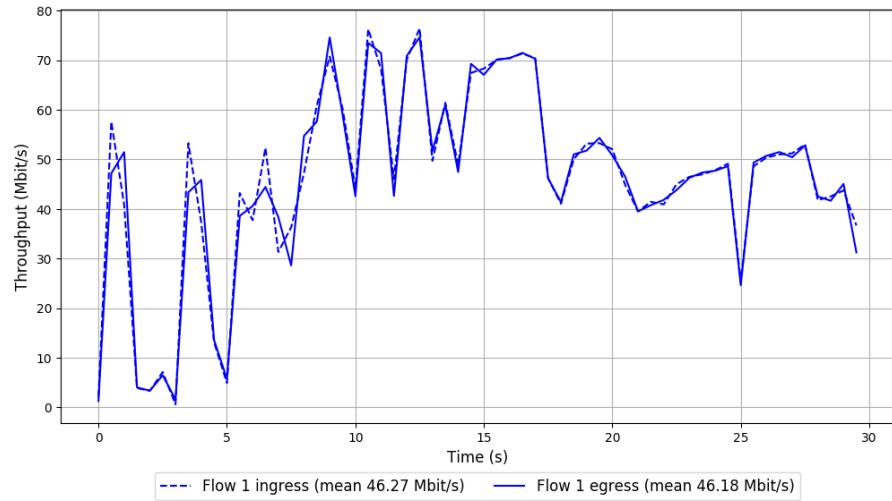


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-08-21 18:20:36
End at: 2017-08-21 18:21:06
Local clock offset: 0.348 ms
Remote clock offset: 0.345 ms

# Below is generated by plot.py at 2017-08-22 01:04:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.18 Mbit/s
95th percentile per-packet one-way delay: 50.152 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 46.18 Mbit/s
95th percentile per-packet one-way delay: 50.152 ms
Loss rate: 0.46%
```

## Run 2: Report of QUIC Cubic — Data Link

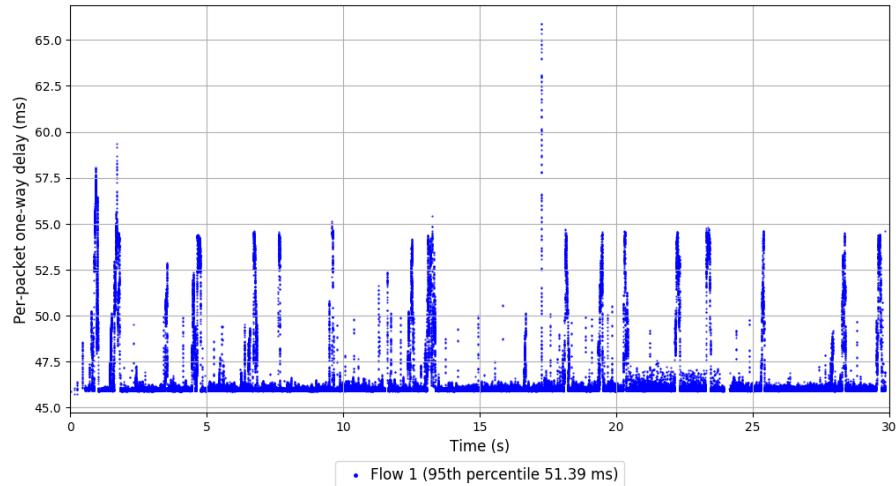
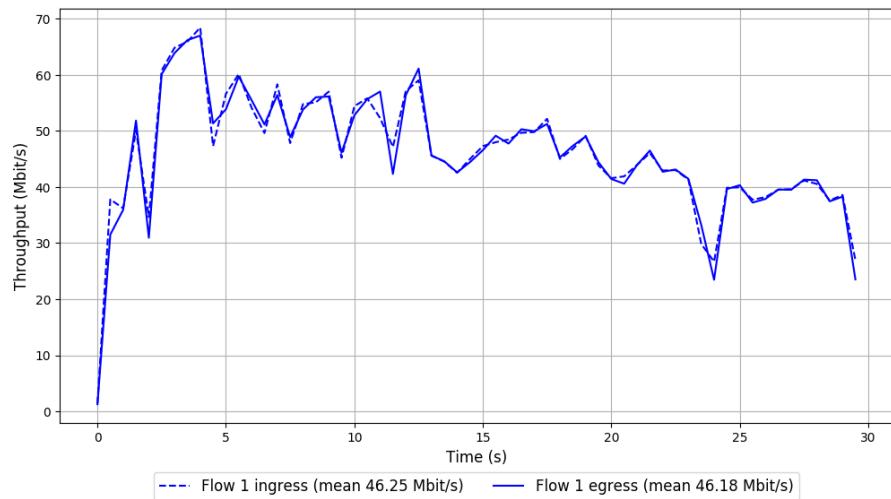


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-08-21 18:40:39
End at: 2017-08-21 18:41:10
Local clock offset: 0.462 ms
Remote clock offset: -4.692 ms

# Below is generated by plot.py at 2017-08-22 01:04:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.18 Mbit/s
95th percentile per-packet one-way delay: 51.388 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 46.18 Mbit/s
95th percentile per-packet one-way delay: 51.388 ms
Loss rate: 0.48%
```

### Run 3: Report of QUIC Cubic — Data Link

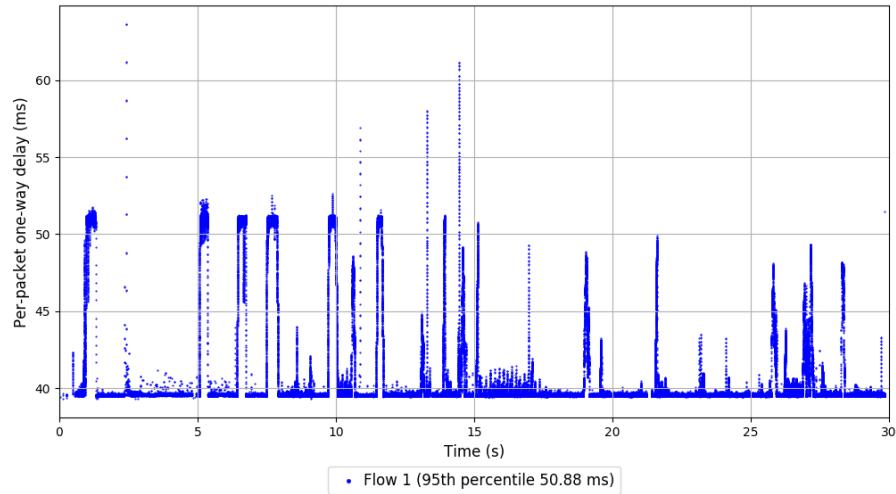
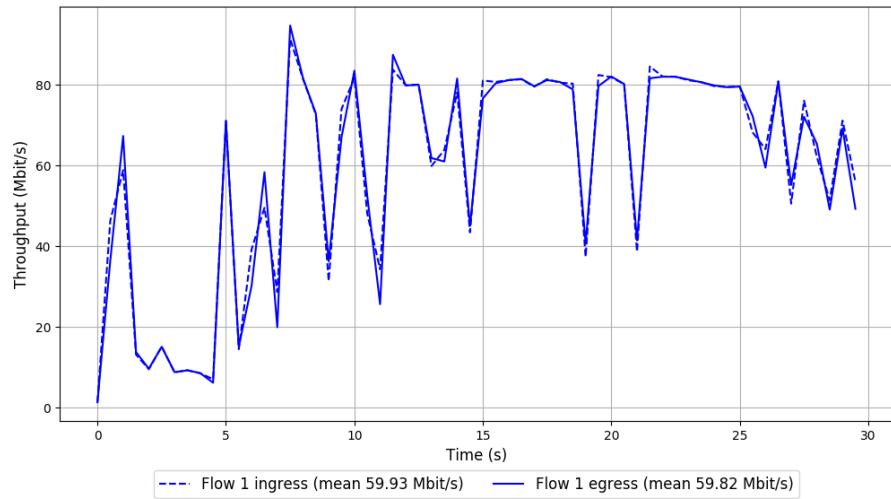


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-08-21 19:00:57
End at: 2017-08-21 19:01:27
Local clock offset: 0.338 ms
Remote clock offset: 1.126 ms

# Below is generated by plot.py at 2017-08-22 01:04:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 50.878 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 50.878 ms
Loss rate: 0.45%
```

Run 4: Report of QUIC Cubic — Data Link

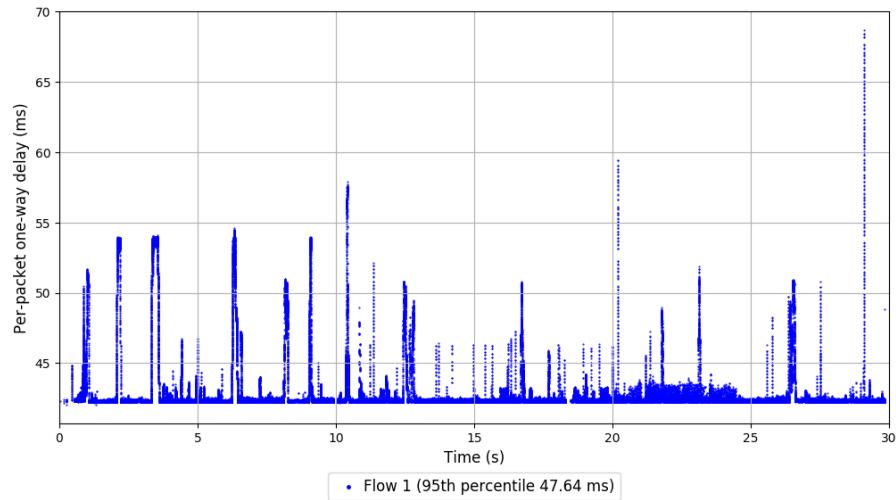
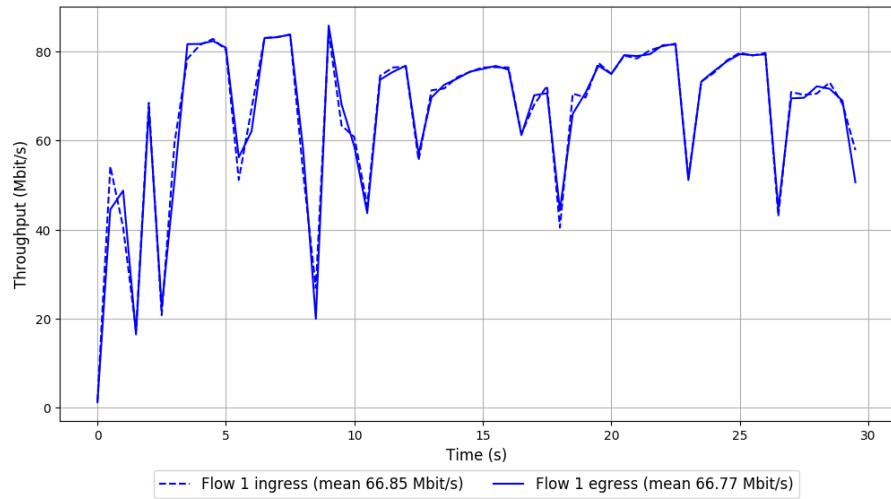


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-08-21 19:21:39
End at: 2017-08-21 19:22:09
Local clock offset: 0.418 ms
Remote clock offset: -0.56 ms

# Below is generated by plot.py at 2017-08-22 01:04:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.77 Mbit/s
95th percentile per-packet one-way delay: 47.643 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 66.77 Mbit/s
95th percentile per-packet one-way delay: 47.643 ms
Loss rate: 0.40%
```

Run 5: Report of QUIC Cubic — Data Link

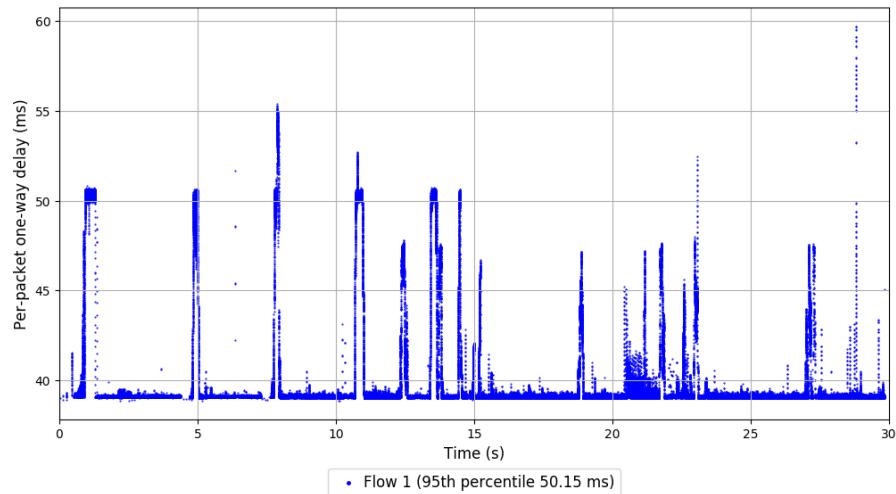
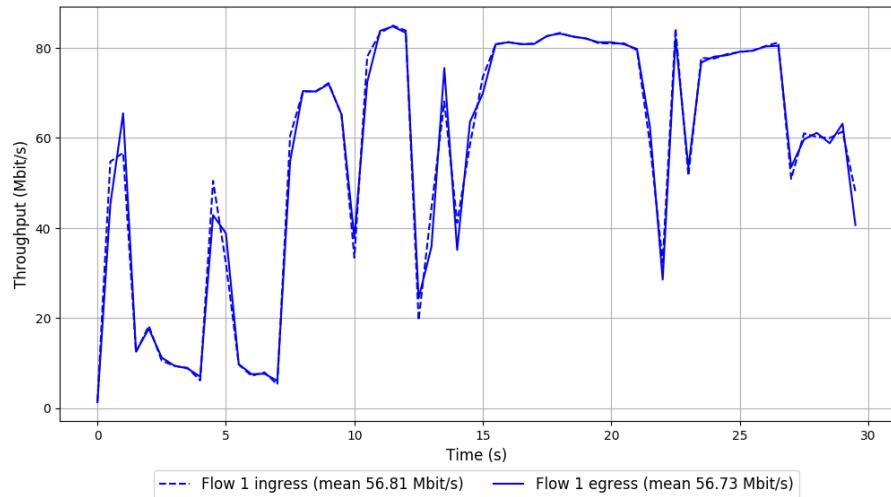


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-08-21 19:42:14
End at: 2017-08-21 19:42:44
Local clock offset: 0.283 ms
Remote clock offset: 1.976 ms

# Below is generated by plot.py at 2017-08-22 01:04:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 50.151 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 56.73 Mbit/s
95th percentile per-packet one-way delay: 50.151 ms
Loss rate: 0.43%
```

Run 6: Report of QUIC Cubic — Data Link

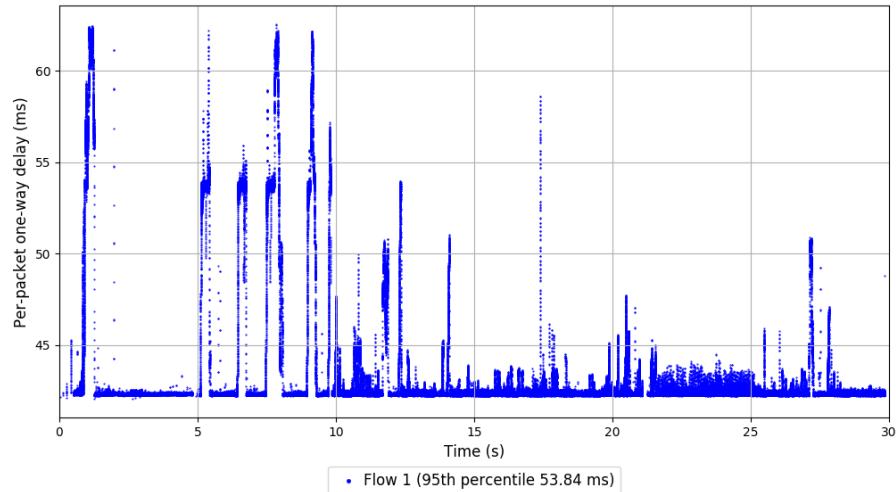
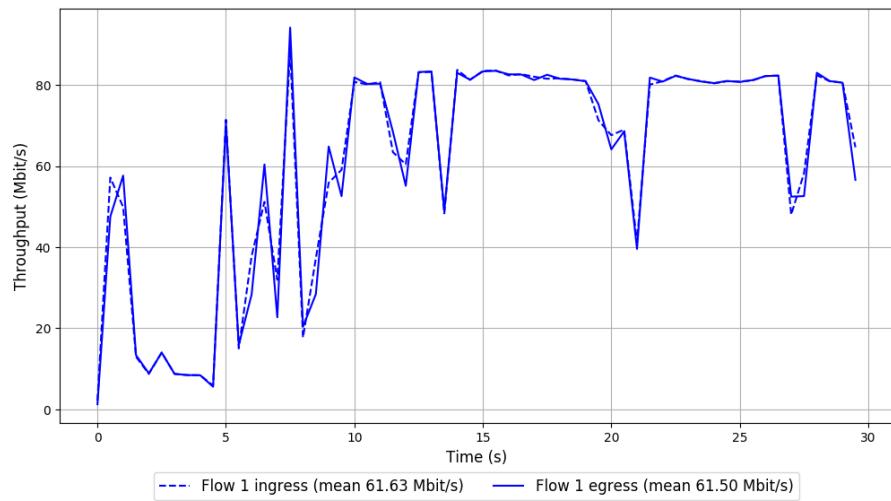


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-08-21 20:02:39
End at: 2017-08-21 20:03:09
Local clock offset: 0.09 ms
Remote clock offset: -0.67 ms

# Below is generated by plot.py at 2017-08-22 01:04:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.50 Mbit/s
95th percentile per-packet one-way delay: 53.843 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 61.50 Mbit/s
95th percentile per-packet one-way delay: 53.843 ms
Loss rate: 0.49%
```

Run 7: Report of QUIC Cubic — Data Link

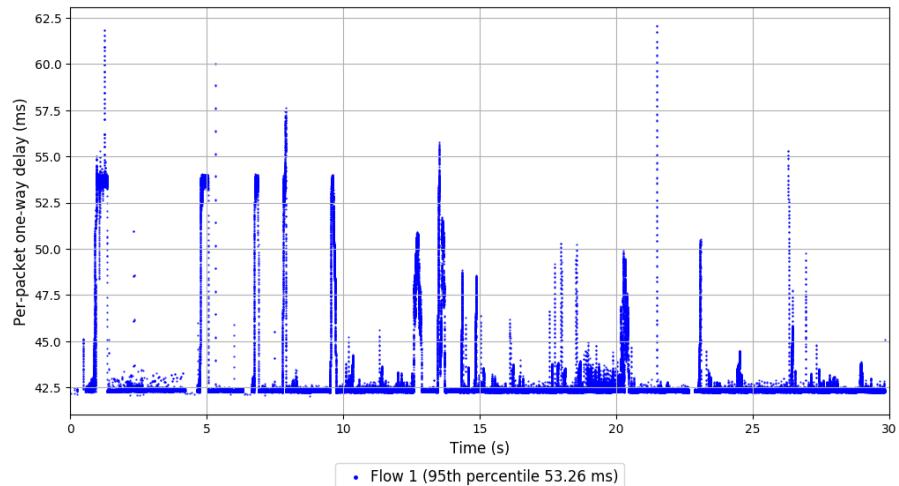
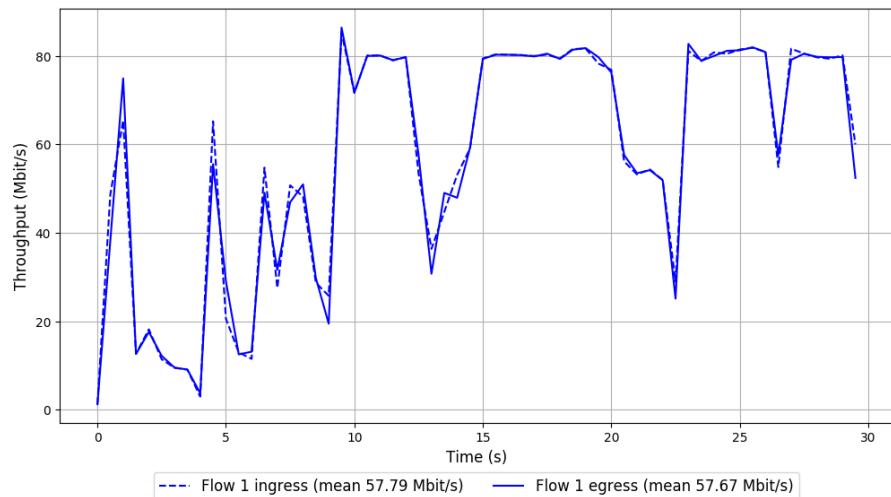


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-08-21 20:22:58
End at: 2017-08-21 20:23:28
Local clock offset: 0.012 ms
Remote clock offset: -0.505 ms

# Below is generated by plot.py at 2017-08-22 01:05:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.67 Mbit/s
95th percentile per-packet one-way delay: 53.263 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 57.67 Mbit/s
95th percentile per-packet one-way delay: 53.263 ms
Loss rate: 0.48%
```

Run 8: Report of QUIC Cubic — Data Link

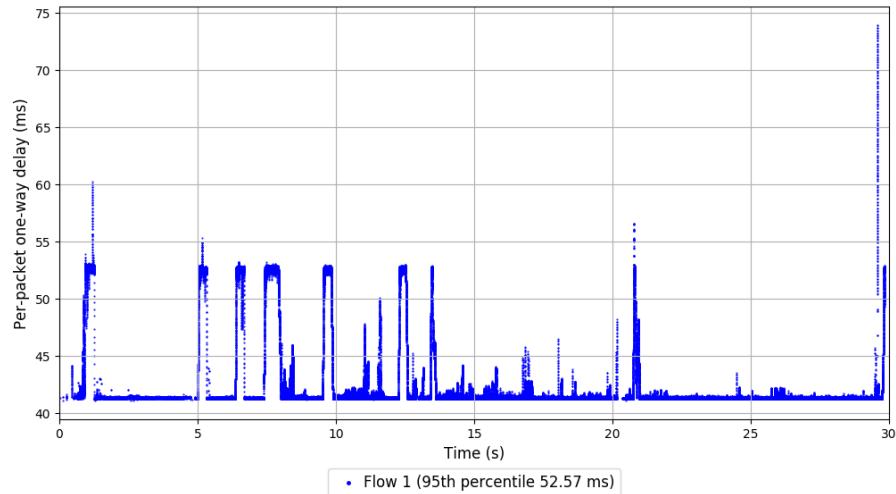
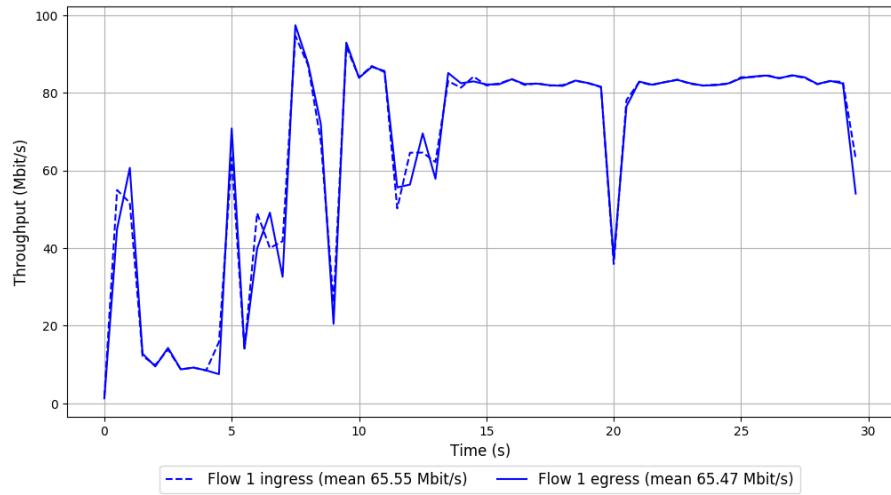


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-08-21 20:43:15
End at: 2017-08-21 20:43:45
Local clock offset: -0.005 ms
Remote clock offset: -0.22 ms

# Below is generated by plot.py at 2017-08-22 01:05:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.47 Mbit/s
95th percentile per-packet one-way delay: 52.571 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 65.47 Mbit/s
95th percentile per-packet one-way delay: 52.571 ms
Loss rate: 0.42%
```

### Run 9: Report of QUIC Cubic — Data Link

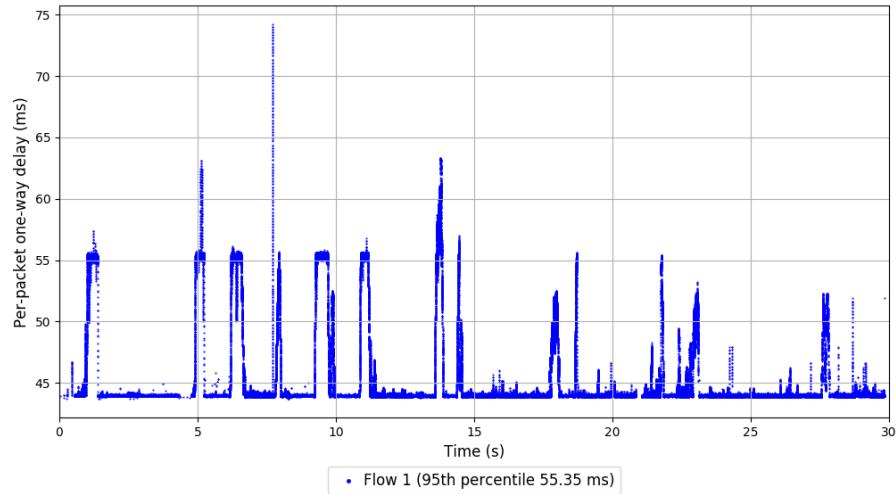
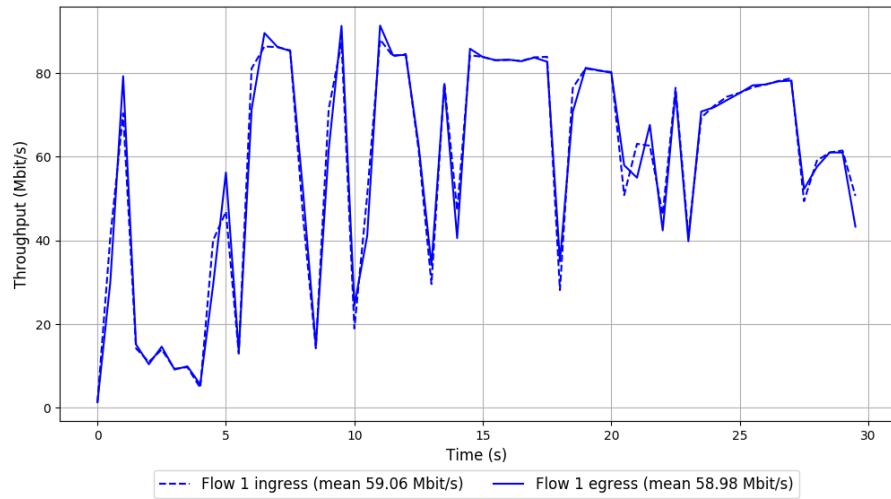


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-08-21 21:03:29
End at: 2017-08-21 21:03:59
Local clock offset: 0.09 ms
Remote clock offset: -2.962 ms

# Below is generated by plot.py at 2017-08-22 01:05:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 55.352 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 58.98 Mbit/s
95th percentile per-packet one-way delay: 55.352 ms
Loss rate: 0.45%
```

Run 10: Report of QUIC Cubic — Data Link

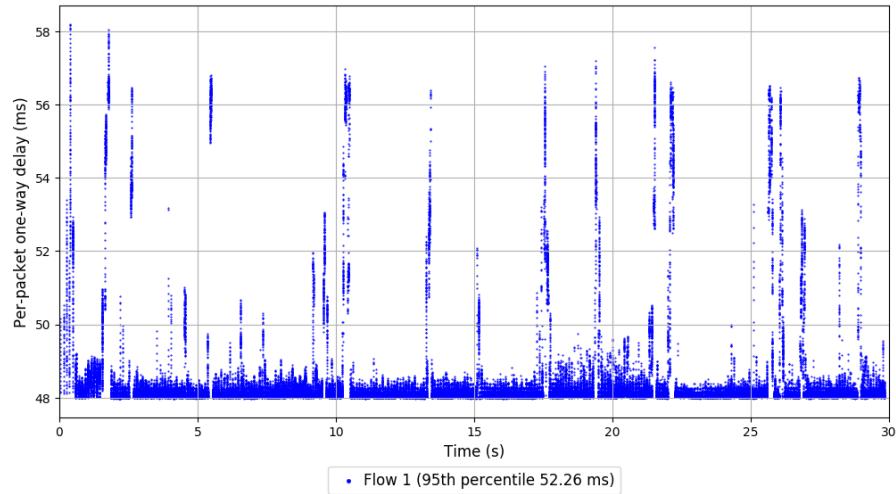
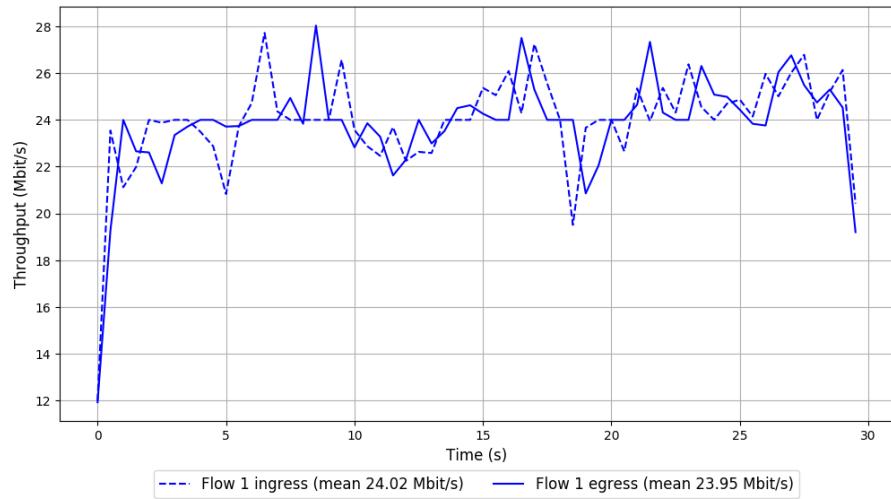


Run 1: Statistics of Saturator

```
Start at: 2017-08-21 17:55:42
End at: 2017-08-21 17:56:12
Local clock offset: 0.383 ms
Remote clock offset: -8.116 ms

# Below is generated by plot.py at 2017-08-22 01:05:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 52.257 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 52.257 ms
Loss rate: 0.57%
```

Run 1: Report of Saturator — Data Link

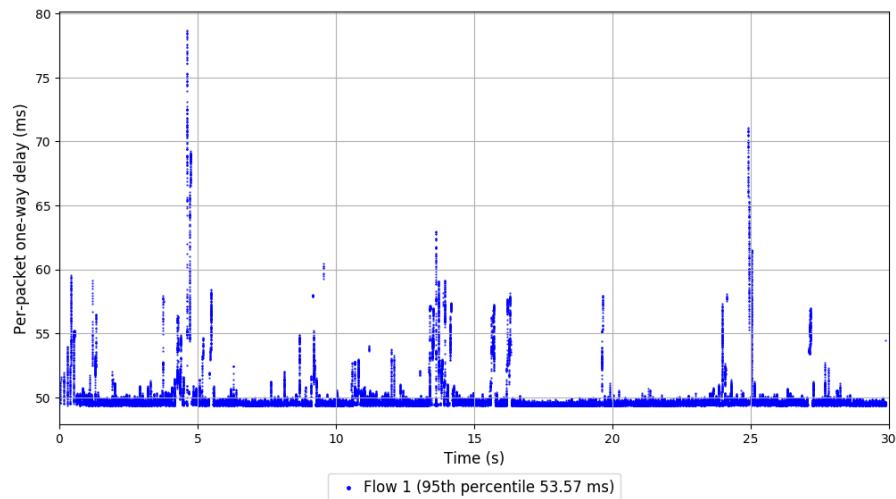
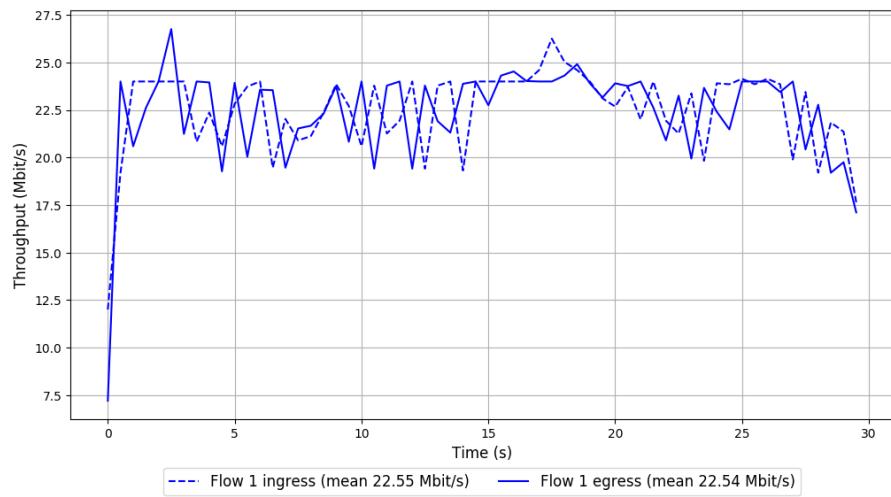


Run 2: Statistics of Saturator

```
Start at: 2017-08-21 18:16:28
End at: 2017-08-21 18:16:58
Local clock offset: 0.429 ms
Remote clock offset: -9.565 ms

# Below is generated by plot.py at 2017-08-22 01:05:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.54 Mbit/s
95th percentile per-packet one-way delay: 53.566 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 22.54 Mbit/s
95th percentile per-packet one-way delay: 53.566 ms
Loss rate: 0.39%
```

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

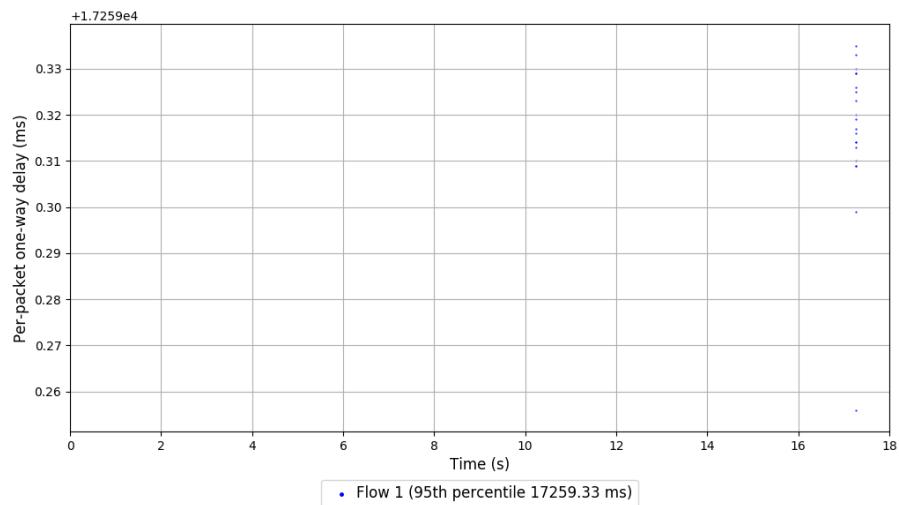
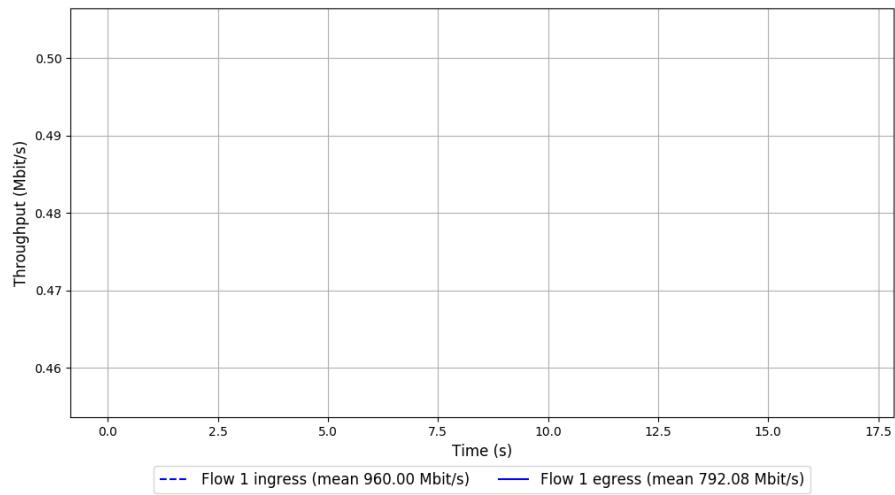
Start at: 2017-08-21 18:36:38

End at: 2017-08-21 18:37:08

Local clock offset: 0.333 ms

Remote clock offset: 0.541 ms

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

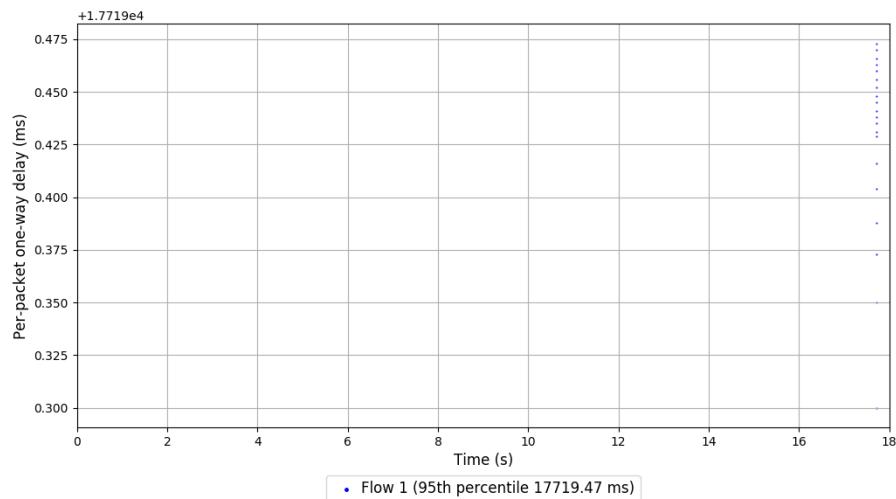
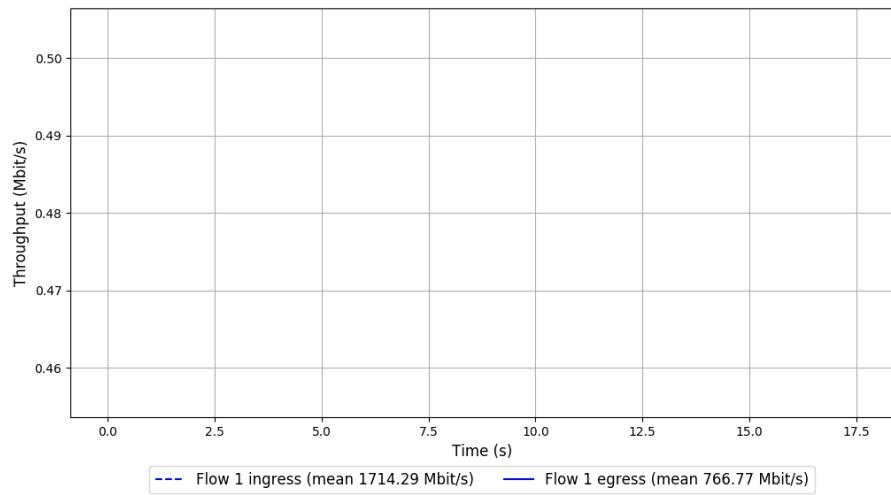
Start at: 2017-08-21 18:56:52

End at: 2017-08-21 18:57:22

Local clock offset: 0.416 ms

Remote clock offset: 1.196 ms

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

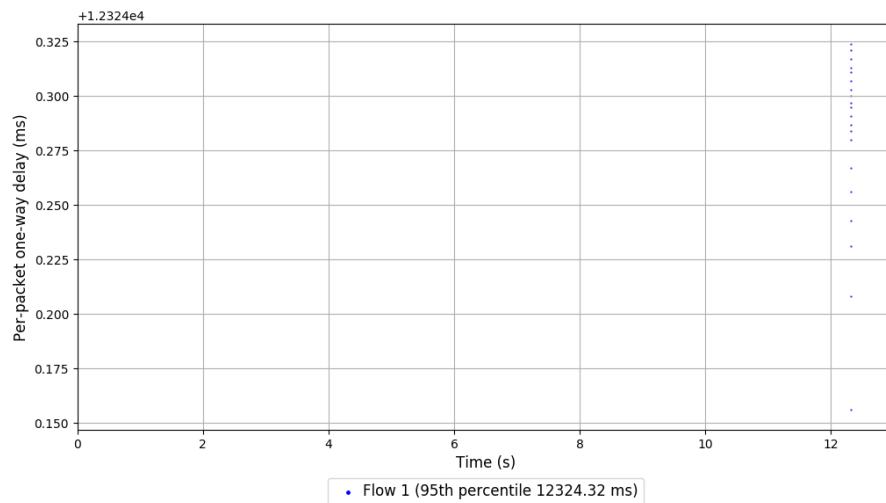
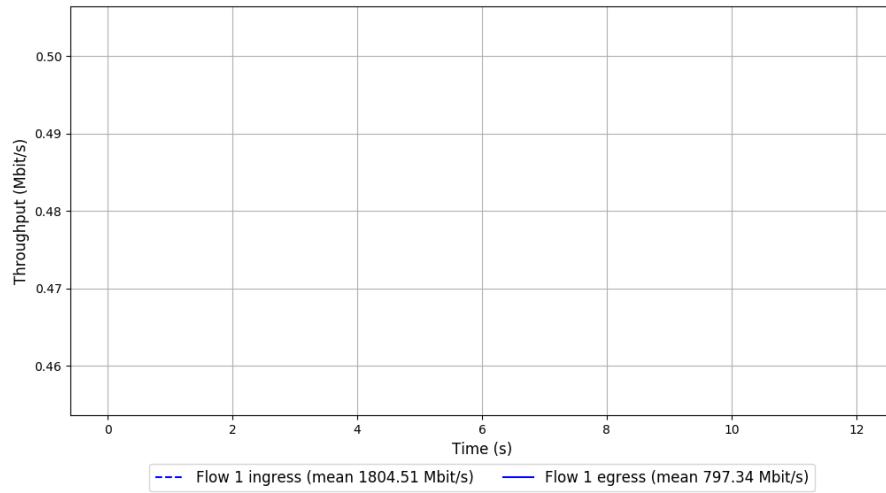
Start at: 2017-08-21 19:17:38

End at: 2017-08-21 19:18:09

Local clock offset: 0.322 ms

Remote clock offset: -0.648 ms

Run 5: Report of Saturator — Data Link

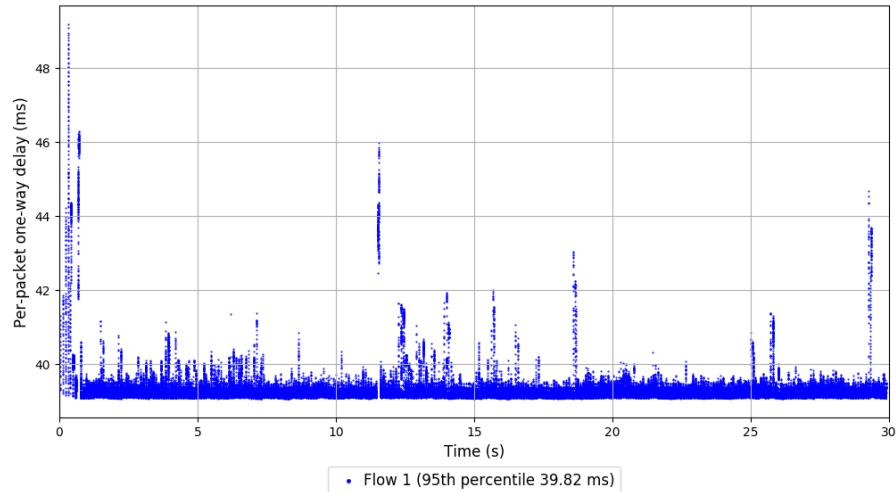
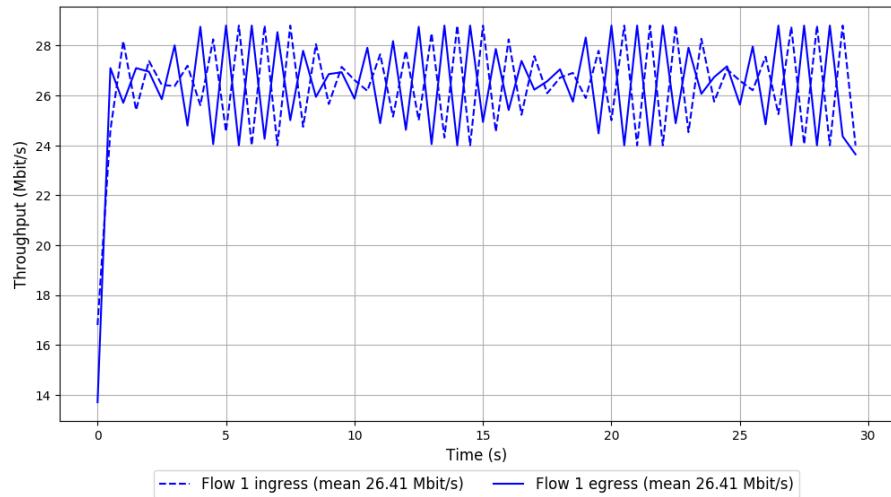


Run 6: Statistics of Saturator

```
Start at: 2017-08-21 19:38:04
End at: 2017-08-21 19:38:34
Local clock offset: 0.288 ms
Remote clock offset: 1.913 ms

# Below is generated by plot.py at 2017-08-22 01:05:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 39.816 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 26.41 Mbit/s
95th percentile per-packet one-way delay: 39.816 ms
Loss rate: 0.30%
```

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

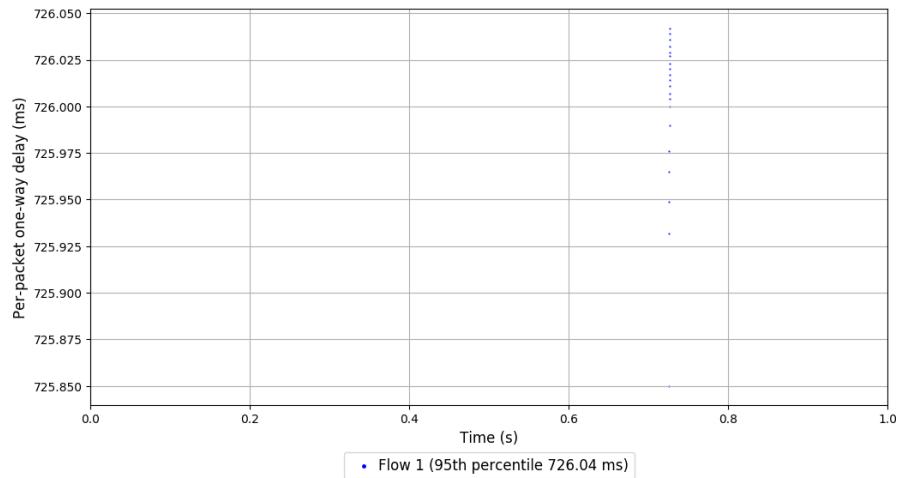
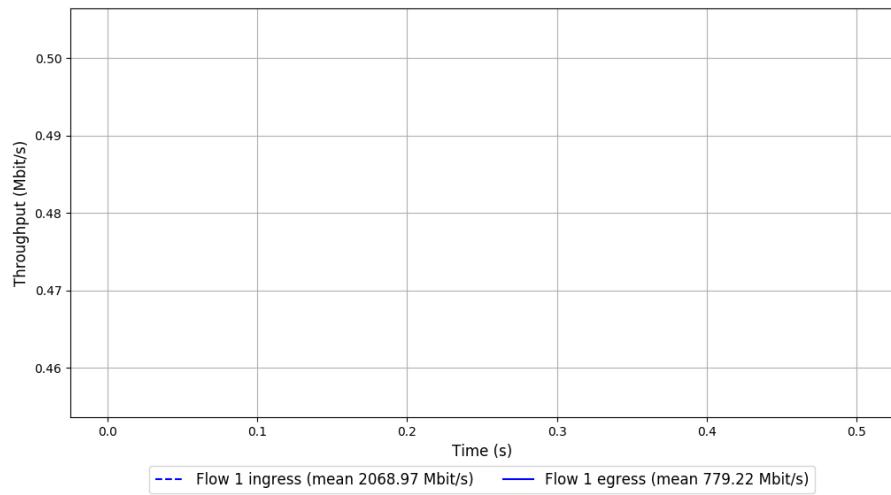
Start at: 2017-08-21 19:58:37

End at: 2017-08-21 19:59:07

Local clock offset: 0.138 ms

Remote clock offset: 1.31 ms

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

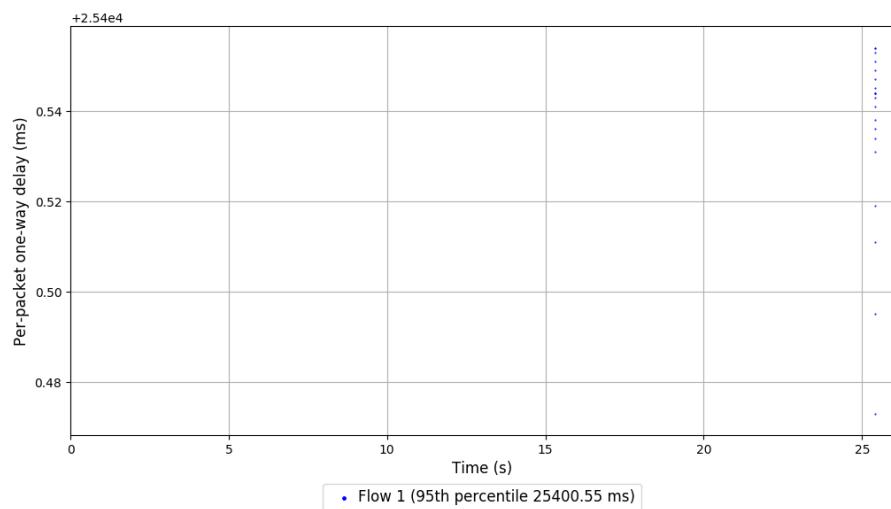
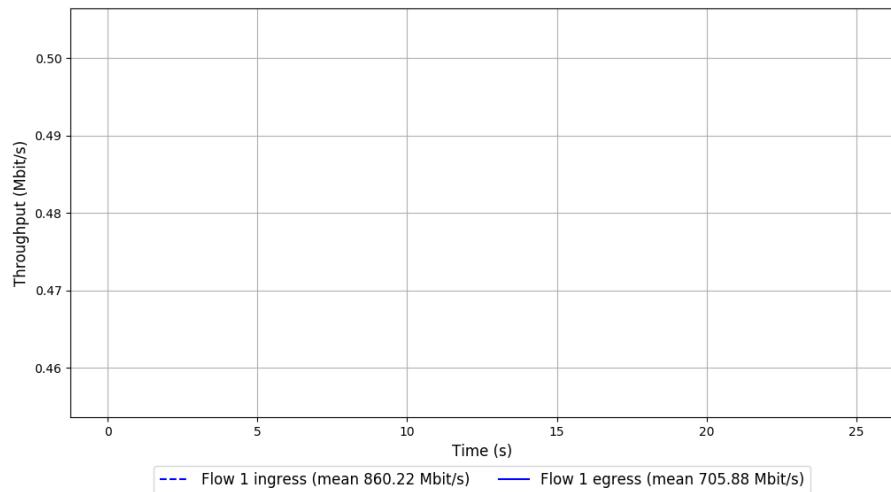
Start at: 2017-08-21 20:18:58

End at: 2017-08-21 20:19:28

Local clock offset: -0.107 ms

Remote clock offset: -0.669 ms

Run 8: Report of Saturator — Data Link

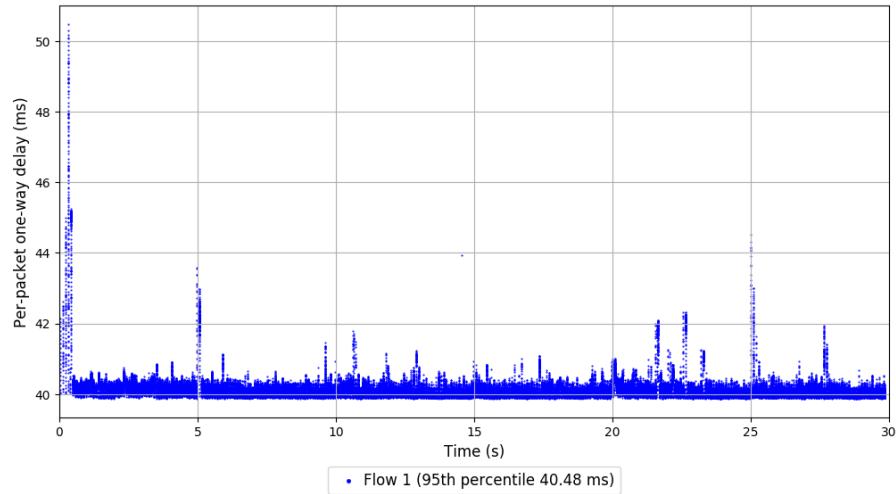
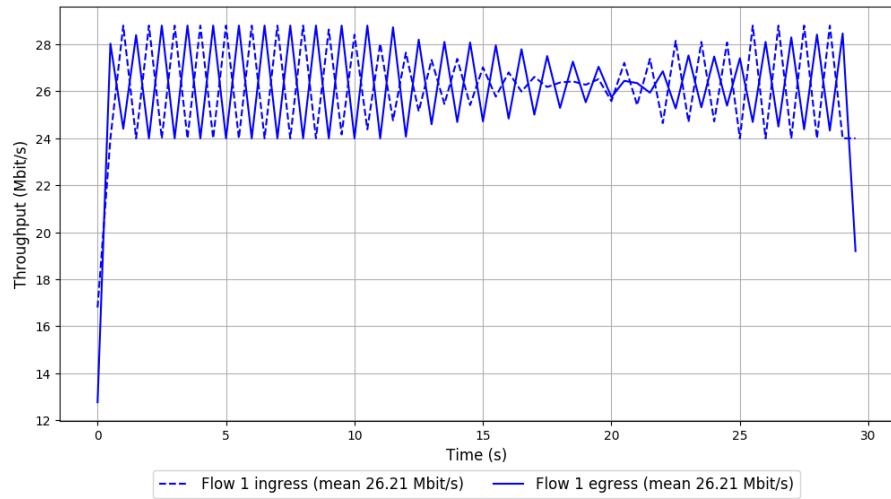


Run 9: Statistics of Saturator

```
Start at: 2017-08-21 20:39:12
End at: 2017-08-21 20:39:42
Local clock offset: 0.014 ms
Remote clock offset: 1.928 ms

# Below is generated by plot.py at 2017-08-22 01:05:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.21 Mbit/s
95th percentile per-packet one-way delay: 40.476 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 26.21 Mbit/s
95th percentile per-packet one-way delay: 40.476 ms
Loss rate: 0.31%
```

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

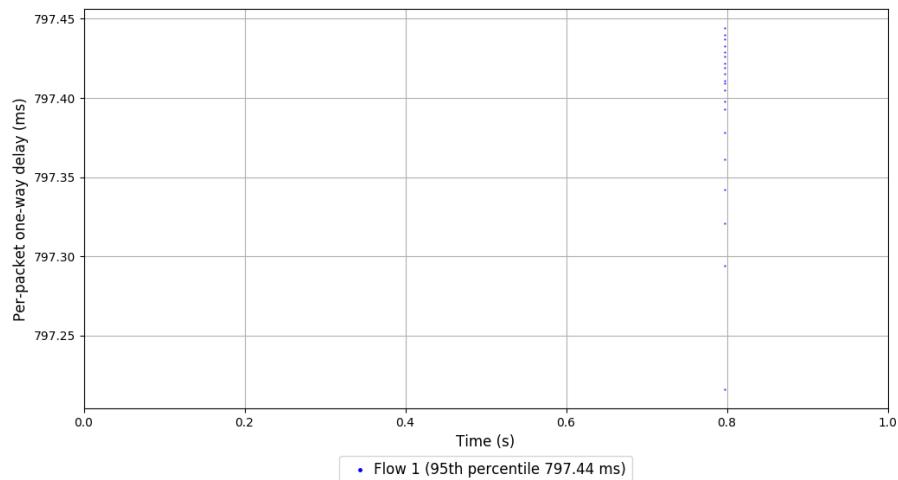
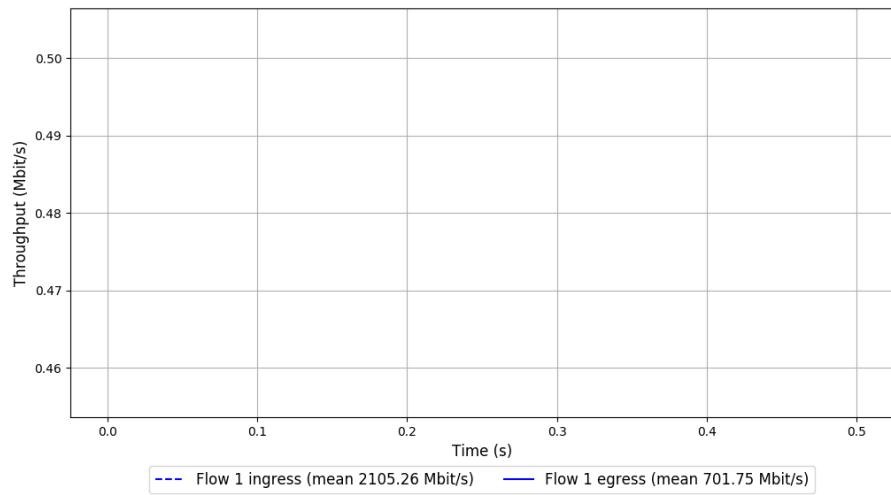
Start at: 2017-08-21 20:59:27

End at: 2017-08-21 20:59:57

Local clock offset: -0.028 ms

Remote clock offset: -3.462 ms

## Run 10: Report of Saturator — Data Link

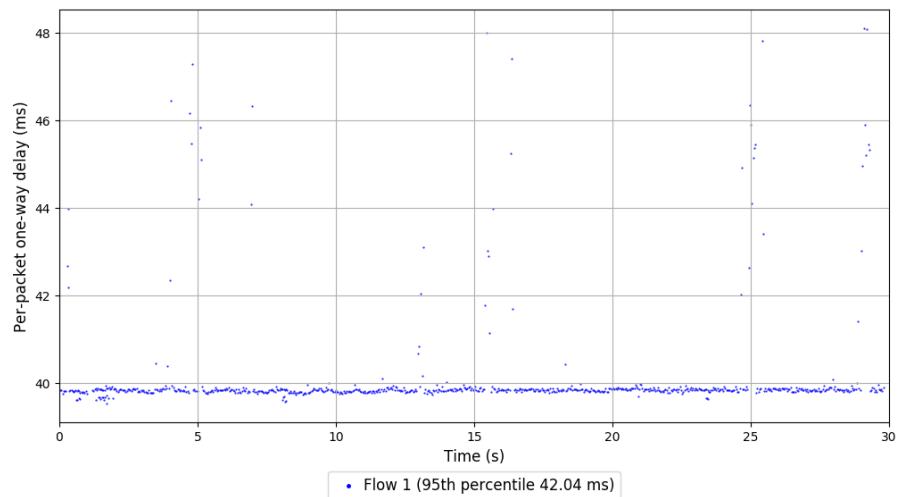
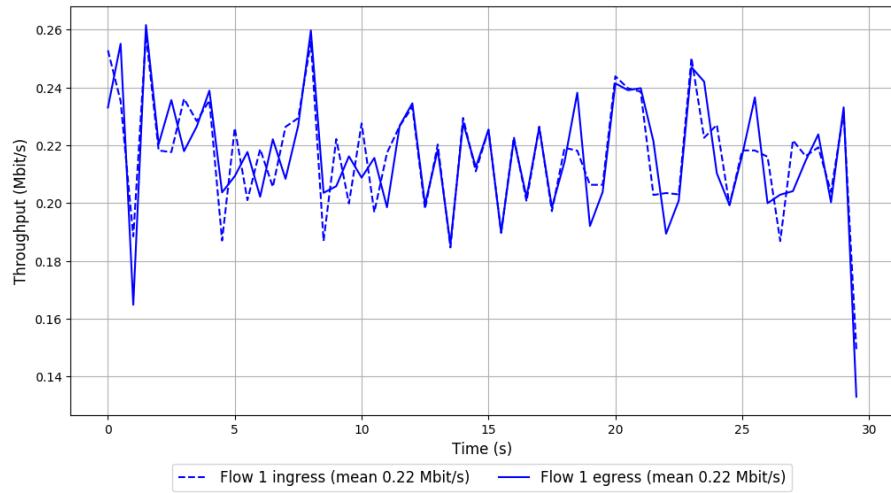


Run 1: Statistics of SCReAM

```
Start at: 2017-08-21 17:54:25
End at: 2017-08-21 17:54:55
Local clock offset: 0.495 ms
Remote clock offset: -0.397 ms

# Below is generated by plot.py at 2017-08-22 01:05:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.039 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.039 ms
Loss rate: 0.25%
```

Run 1: Report of SCReAM — Data Link

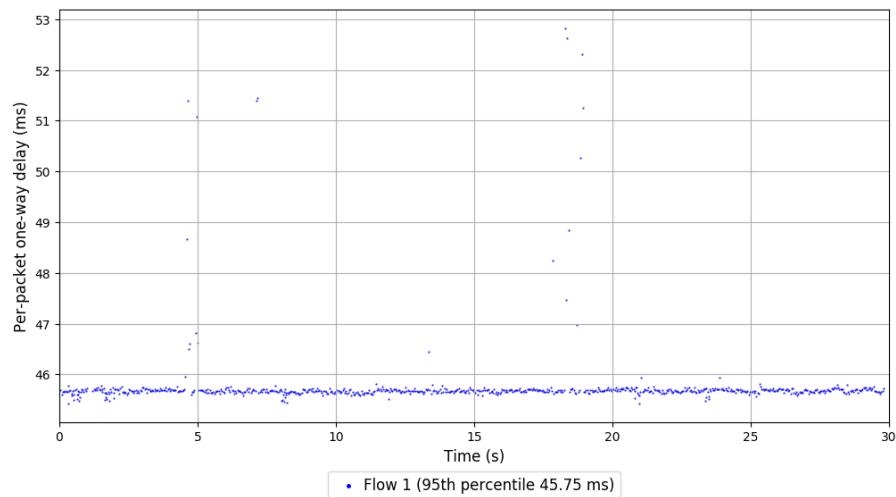
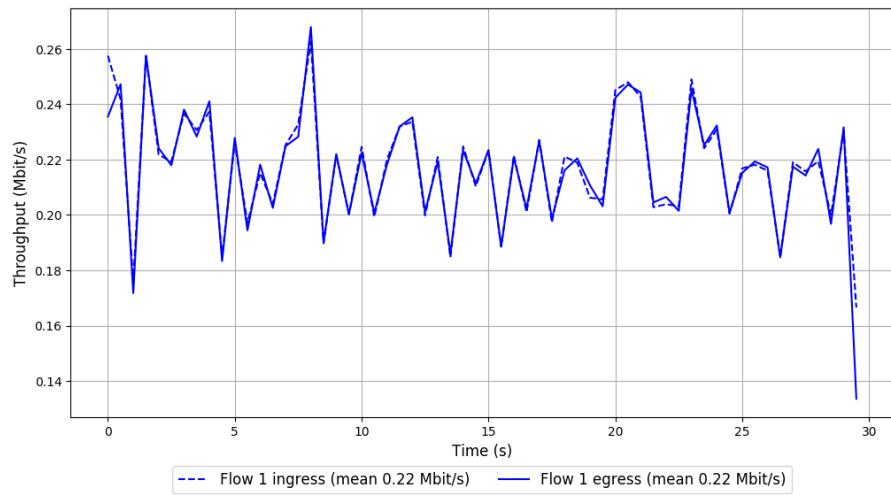


Run 2: Statistics of SCReAM

```
Start at: 2017-08-21 18:15:10
End at: 2017-08-21 18:15:41
Local clock offset: 0.331 ms
Remote clock offset: -5.117 ms

# Below is generated by plot.py at 2017-08-22 01:05:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 45.752 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 45.752 ms
Loss rate: 0.38%
```

Run 2: Report of SCReAM — Data Link

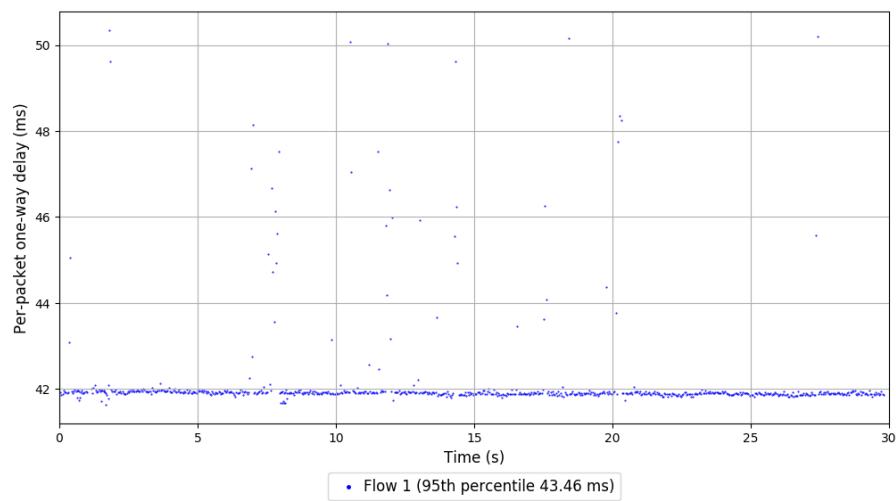
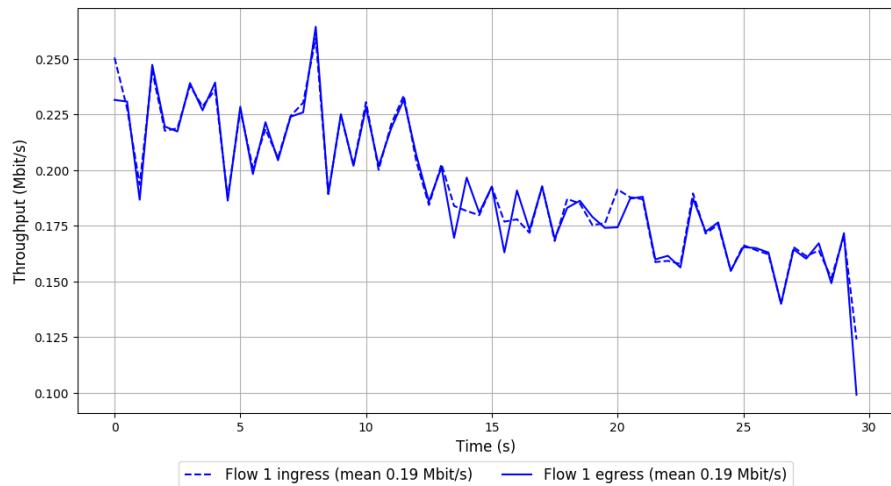


Run 3: Statistics of SCReAM

```
Start at: 2017-08-21 18:35:21
End at: 2017-08-21 18:35:51
Local clock offset: 0.459 ms
Remote clock offset: -1.561 ms

# Below is generated by plot.py at 2017-08-22 01:05:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 43.461 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 43.461 ms
Loss rate: 0.48%
```

Run 3: Report of SCReAM — Data Link

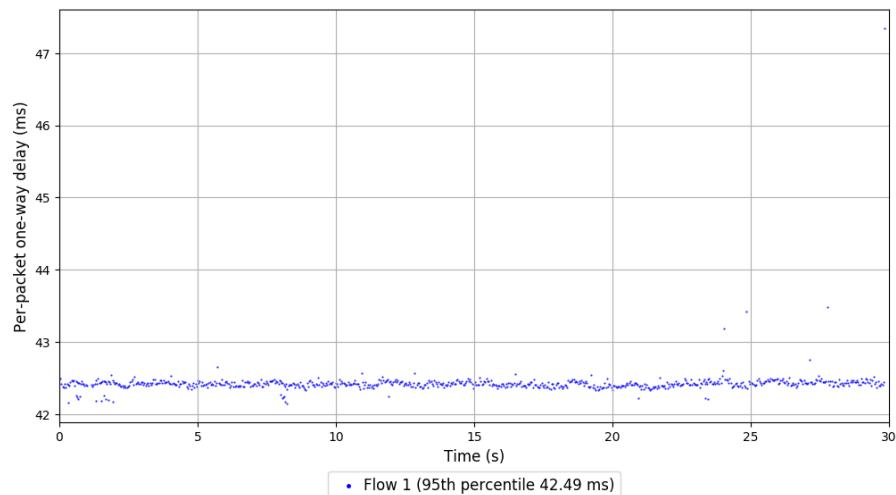
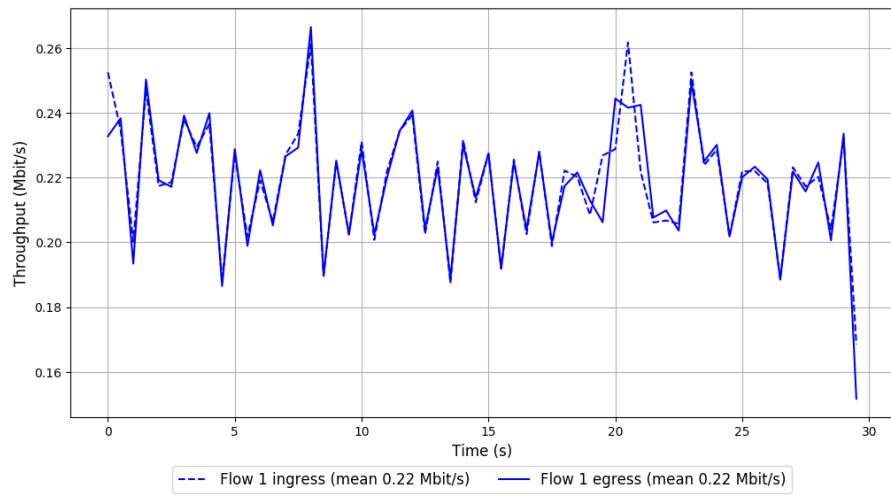


Run 4: Statistics of SCReAM

```
Start at: 2017-08-21 18:55:35
End at: 2017-08-21 18:56:05
Local clock offset: 0.407 ms
Remote clock offset: -0.92 ms

# Below is generated by plot.py at 2017-08-22 01:05:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.488 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.488 ms
Loss rate: 0.25%
```

Run 4: Report of SCReAM — Data Link

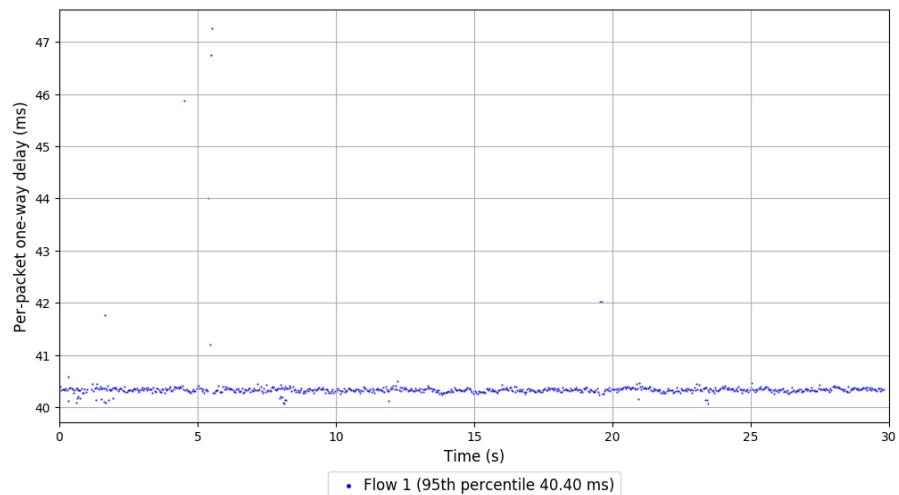
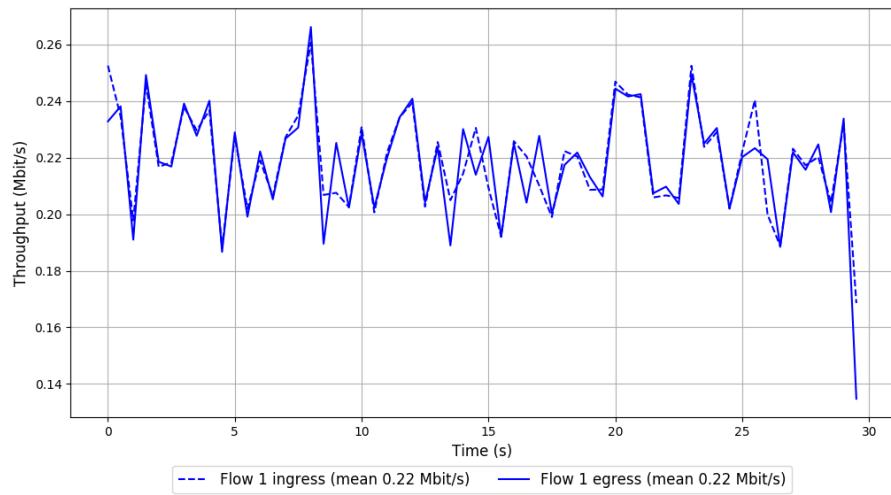


Run 5: Statistics of SCReAM

```
Start at: 2017-08-21 19:16:22
End at: 2017-08-21 19:16:52
Local clock offset: 0.359 ms
Remote clock offset: 1.349 ms

# Below is generated by plot.py at 2017-08-22 01:05:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.401 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.401 ms
Loss rate: 0.38%
```

Run 5: Report of SCReAM — Data Link

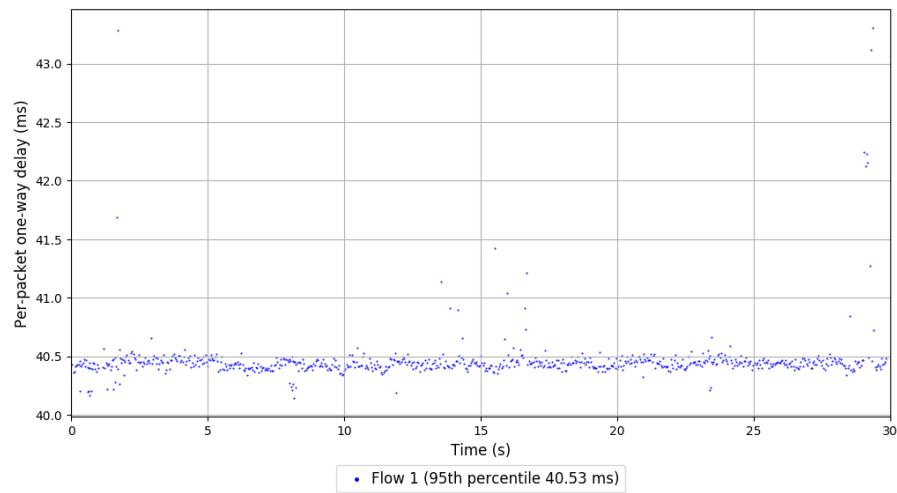
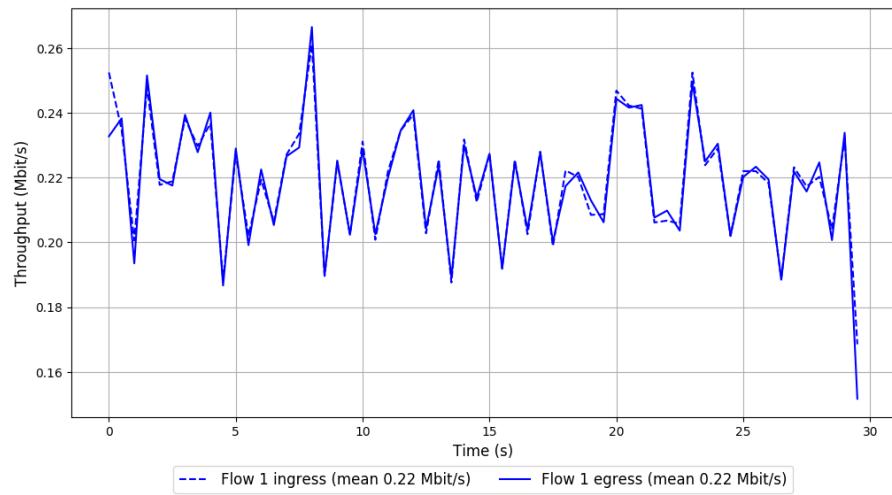


Run 6: Statistics of SCReAM

```
Start at: 2017-08-21 19:36:46
End at: 2017-08-21 19:37:16
Local clock offset: 0.308 ms
Remote clock offset: 1.473 ms

# Below is generated by plot.py at 2017-08-22 01:05:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.529 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 40.529 ms
Loss rate: 0.25%
```

Run 6: Report of SCReAM — Data Link

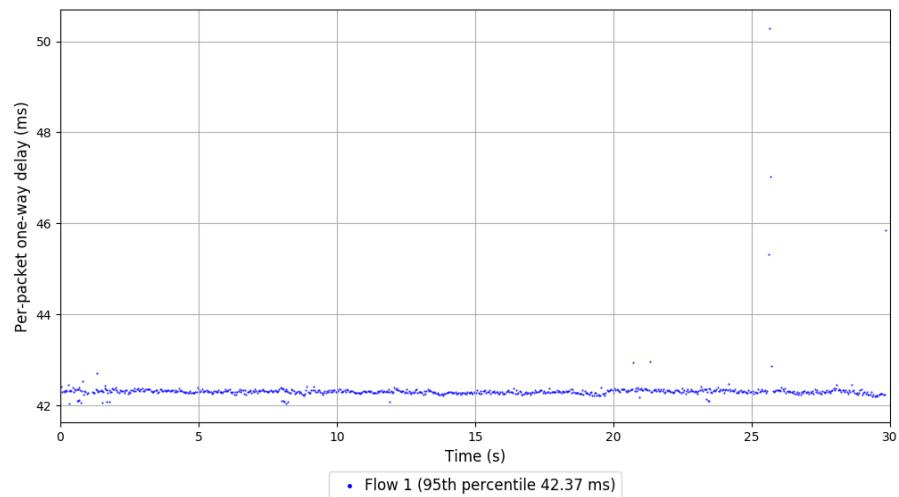
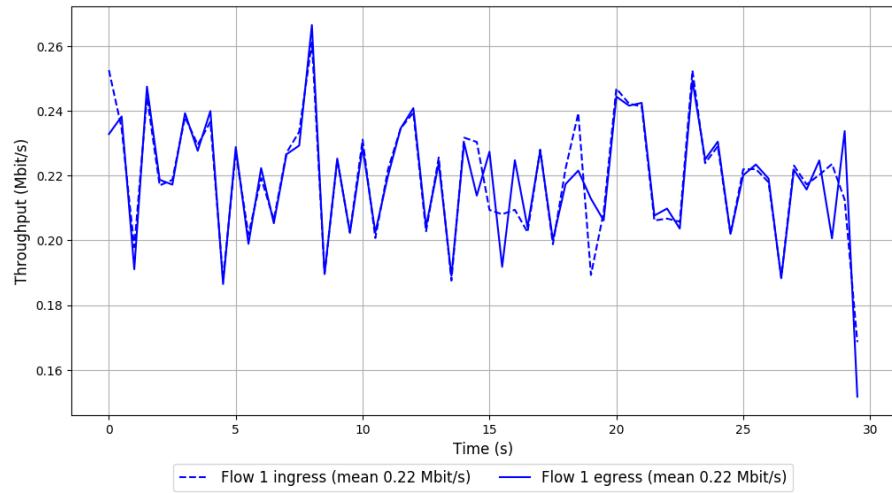


Run 7: Statistics of SCReAM

```
Start at: 2017-08-21 19:57:20
End at: 2017-08-21 19:57:50
Local clock offset: 0.114 ms
Remote clock offset: -0.633 ms

# Below is generated by plot.py at 2017-08-22 01:05:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.368 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.368 ms
Loss rate: 0.25%
```

Run 7: Report of SCReAM — Data Link

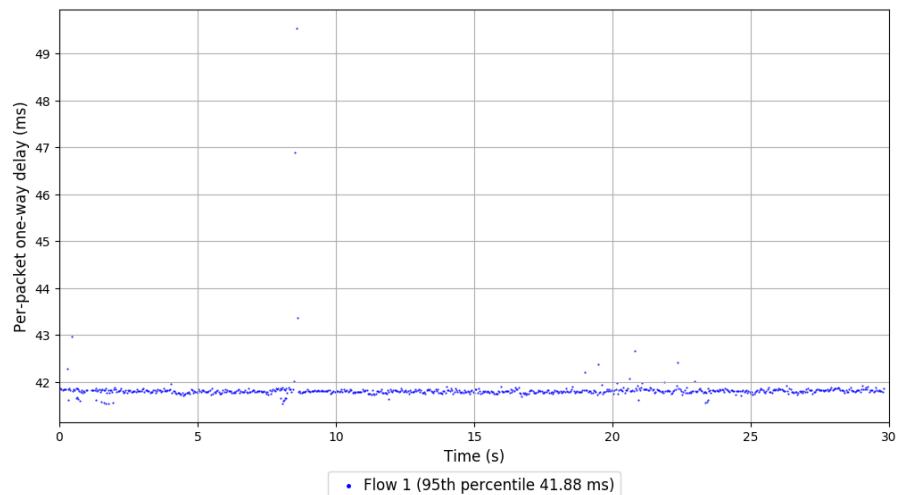
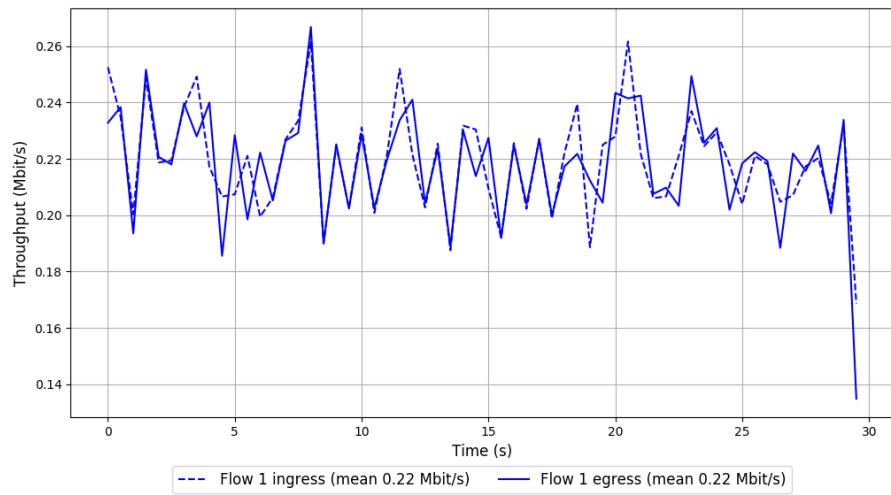


Run 8: Statistics of SCReAM

```
Start at: 2017-08-21 20:17:40
End at: 2017-08-21 20:18:10
Local clock offset: -0.001 ms
Remote clock offset: -0.622 ms

# Below is generated by plot.py at 2017-08-22 01:05:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 41.878 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 41.878 ms
Loss rate: 0.38%
```

Run 8: Report of SCReAM — Data Link

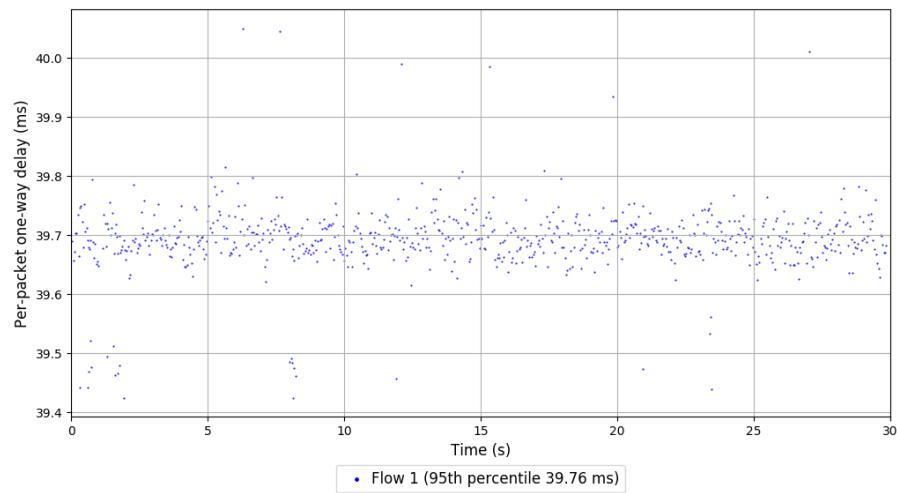
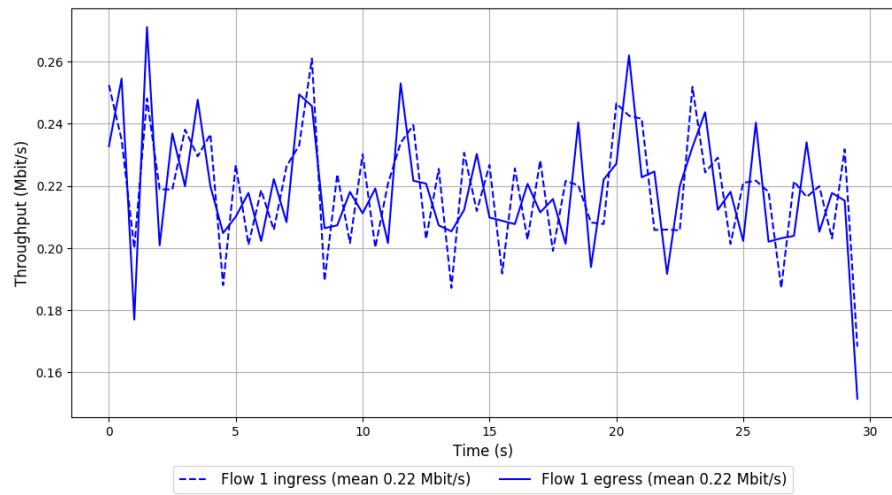


Run 9: Statistics of SCReAM

```
Start at: 2017-08-21 20:37:55
End at: 2017-08-21 20:38:25
Local clock offset: -0.086 ms
Remote clock offset: 1.482 ms

# Below is generated by plot.py at 2017-08-22 01:05:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.755 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 39.755 ms
Loss rate: 0.25%
```

Run 9: Report of SCReAM — Data Link

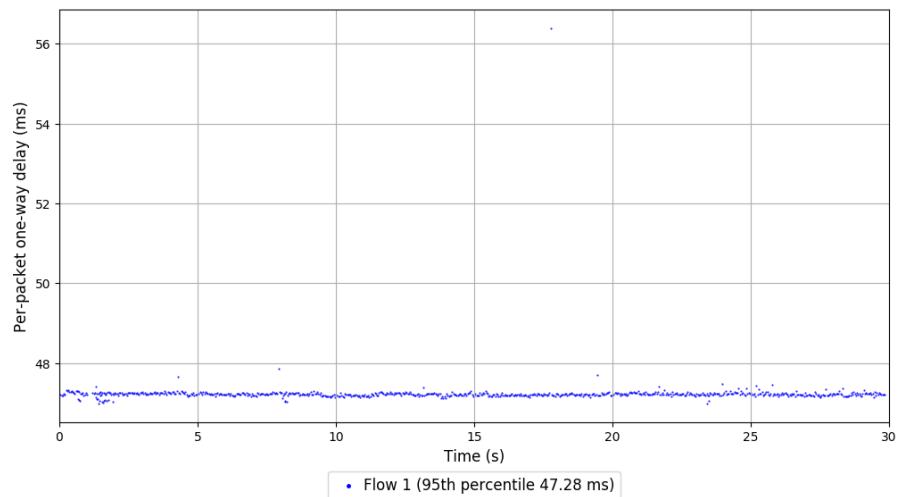
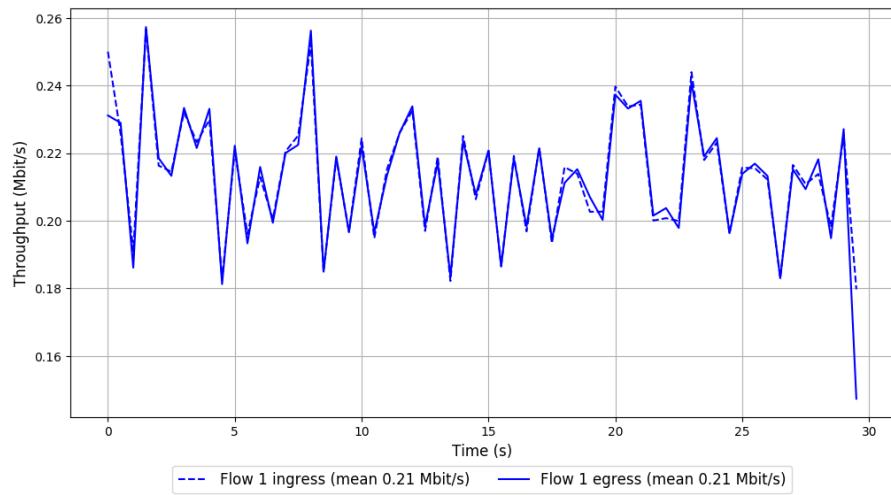


Run 10: Statistics of SCReAM

```
Start at: 2017-08-21 20:58:09
End at: 2017-08-21 20:58:39
Local clock offset: 0.008 ms
Remote clock offset: -5.56 ms

# Below is generated by plot.py at 2017-08-22 01:05:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 47.284 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 47.284 ms
Loss rate: 0.38%
```

## Run 10: Report of SCReAM — Data Link

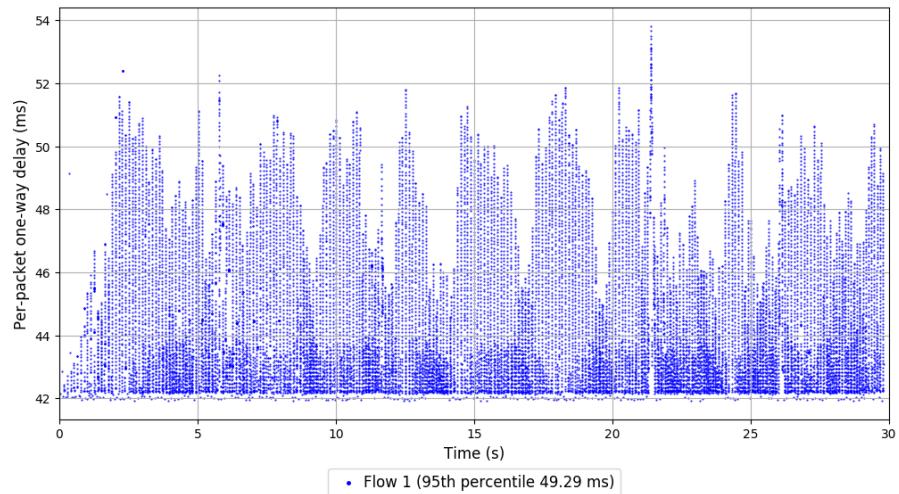
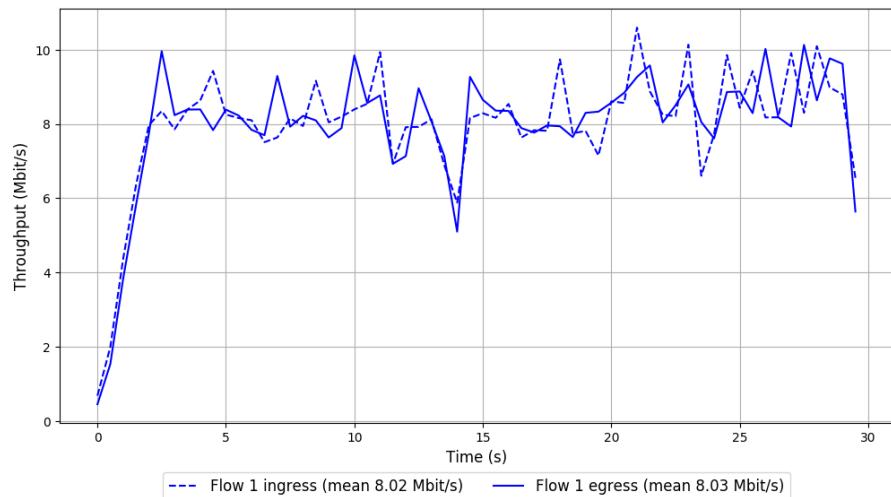


Run 1: Statistics of Sprout

```
Start at: 2017-08-21 18:03:00
End at: 2017-08-21 18:03:30
Local clock offset: 0.355 ms
Remote clock offset: -2.016 ms

# Below is generated by plot.py at 2017-08-22 01:05:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 49.294 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 49.294 ms
Loss rate: 0.21%
```

Run 1: Report of Sprout — Data Link

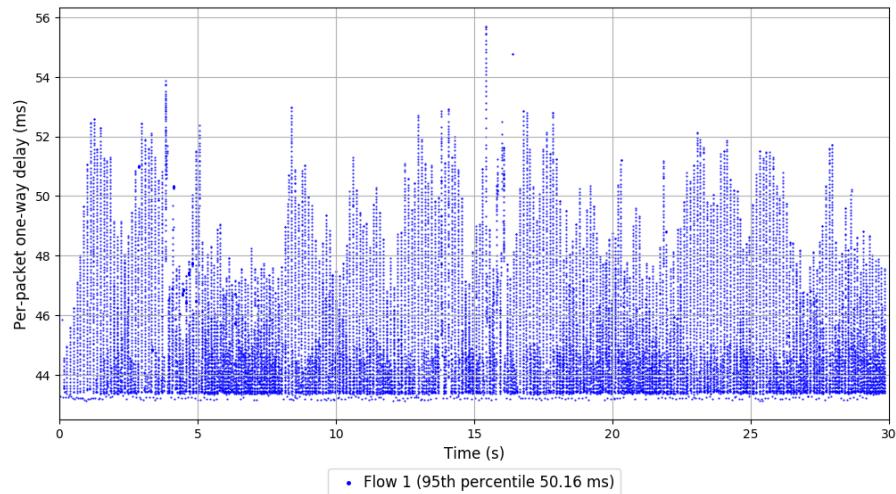
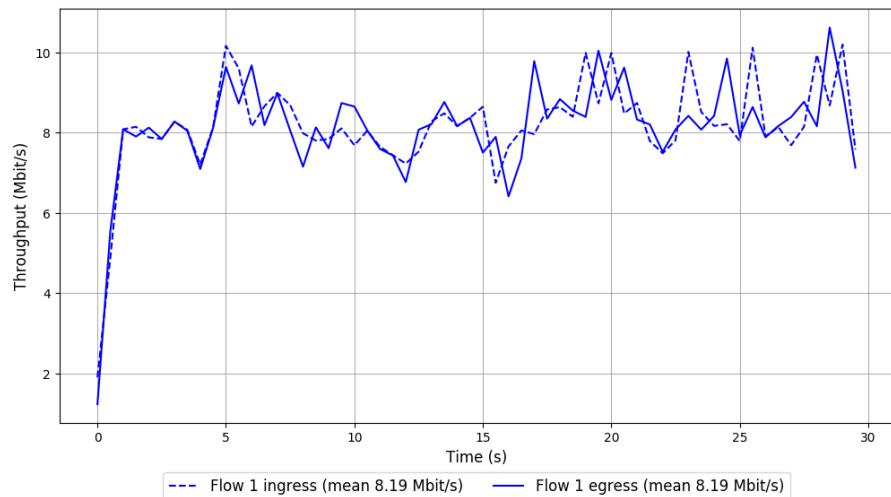


Run 2: Statistics of Sprout

```
Start at: 2017-08-21 18:23:18
End at: 2017-08-21 18:23:48
Local clock offset: 0.417 ms
Remote clock offset: -3.271 ms

# Below is generated by plot.py at 2017-08-22 01:05:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 50.158 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 50.158 ms
Loss rate: 0.33%
```

Run 2: Report of Sprout — Data Link

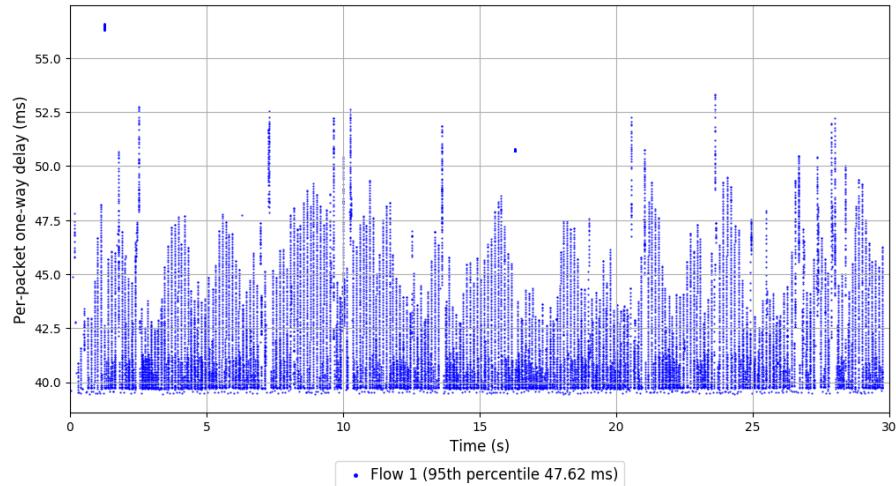
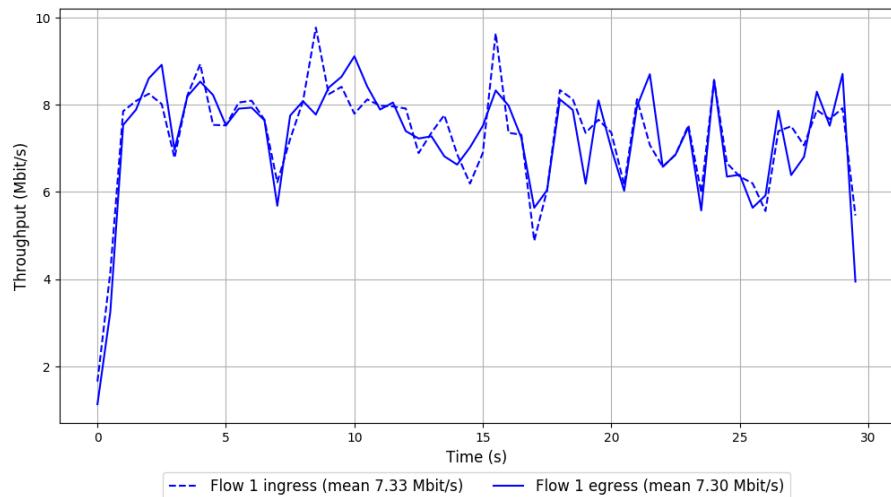


Run 3: Statistics of Sprout

```
Start at: 2017-08-21 18:43:21
End at: 2017-08-21 18:43:51
Local clock offset: 0.455 ms
Remote clock offset: 0.855 ms

# Below is generated by plot.py at 2017-08-22 01:05:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 47.619 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 7.30 Mbit/s
95th percentile per-packet one-way delay: 47.619 ms
Loss rate: 0.70%
```

### Run 3: Report of Sprout — Data Link

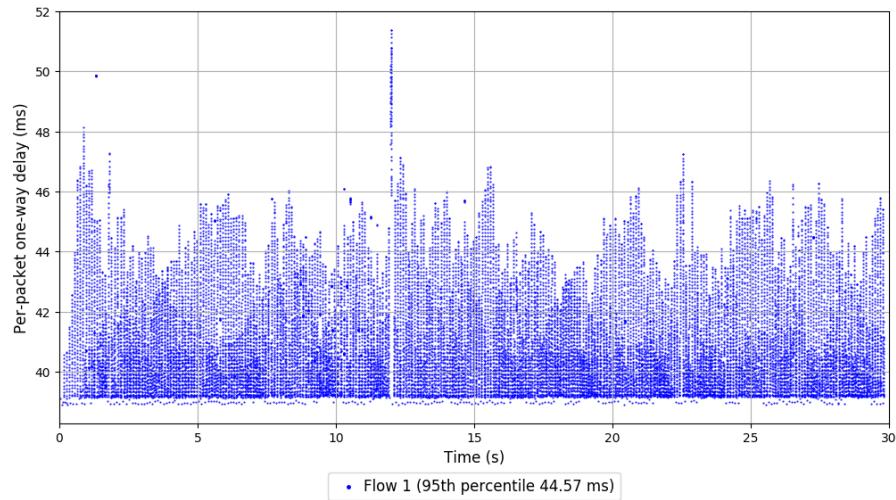
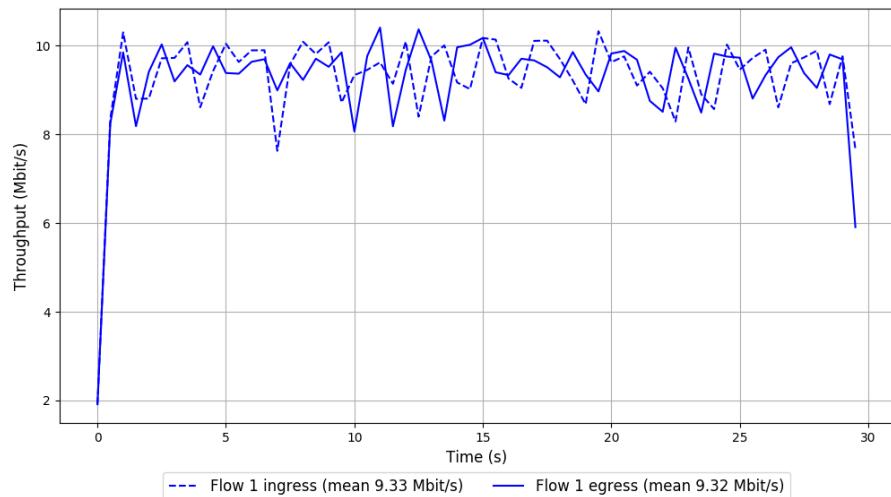


Run 4: Statistics of Sprout

```
Start at: 2017-08-21 19:03:51
End at: 2017-08-21 19:04:21
Local clock offset: 0.394 ms
Remote clock offset: 1.613 ms

# Below is generated by plot.py at 2017-08-22 01:05:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: 44.571 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 9.32 Mbit/s
95th percentile per-packet one-way delay: 44.571 ms
Loss rate: 0.37%
```

Run 4: Report of Sprout — Data Link

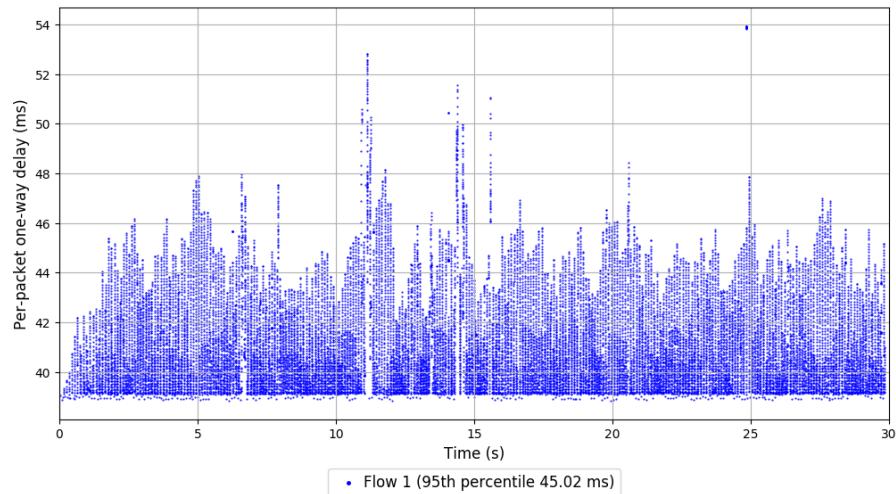
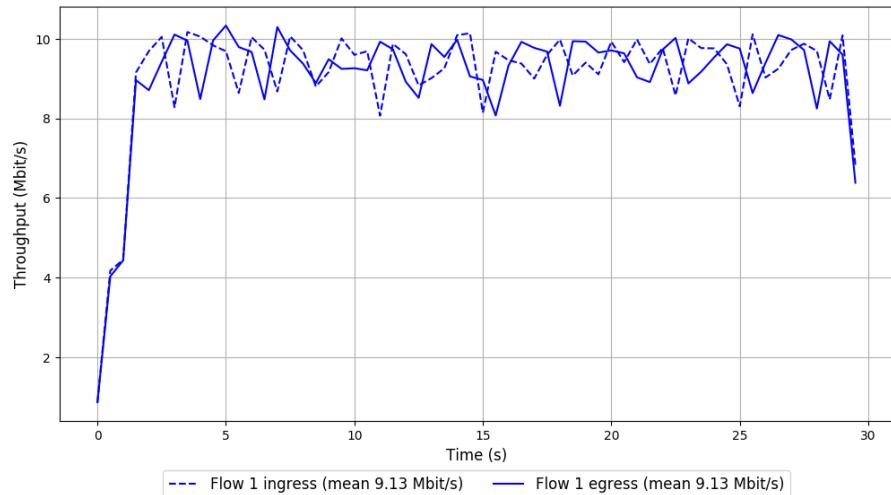


Run 5: Statistics of Sprout

```
Start at: 2017-08-21 19:24:22
End at: 2017-08-21 19:24:52
Local clock offset: 0.433 ms
Remote clock offset: 2.007 ms

# Below is generated by plot.py at 2017-08-22 01:05:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 45.023 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 45.023 ms
Loss rate: 0.28%
```

Run 5: Report of Sprout — Data Link

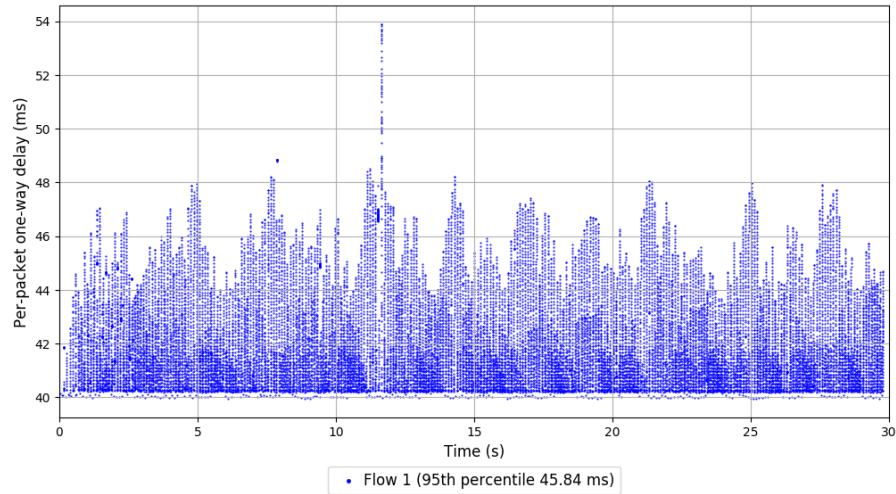
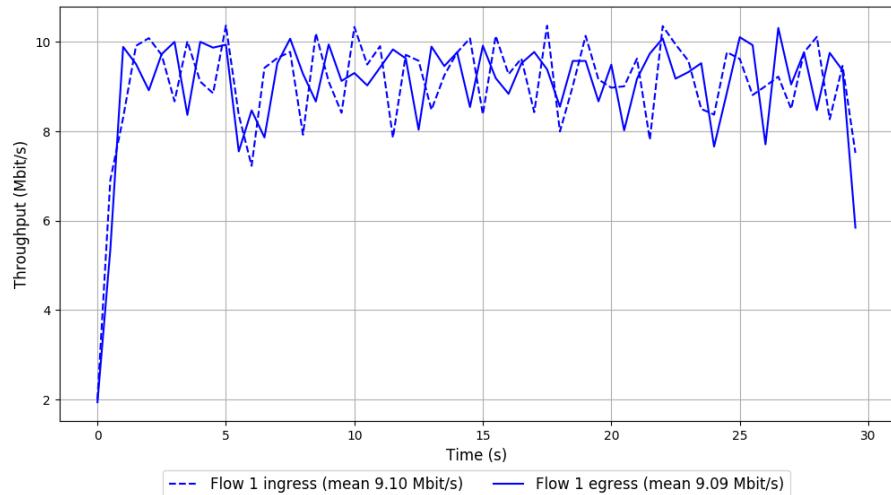


Run 6: Statistics of Sprout

```
Start at: 2017-08-21 19:45:00
End at: 2017-08-21 19:45:30
Local clock offset: 0.176 ms
Remote clock offset: 1.412 ms

# Below is generated by plot.py at 2017-08-22 01:05:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 45.837 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 9.09 Mbit/s
95th percentile per-packet one-way delay: 45.837 ms
Loss rate: 0.35%
```

## Run 6: Report of Sprout — Data Link

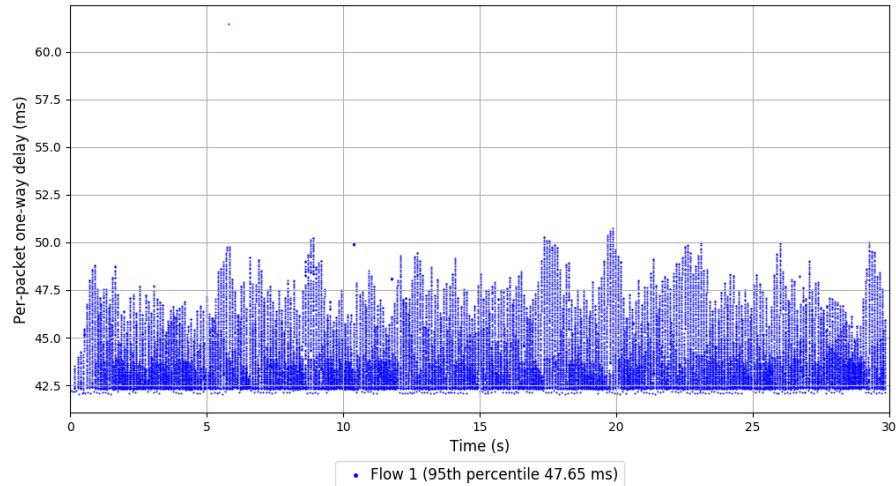
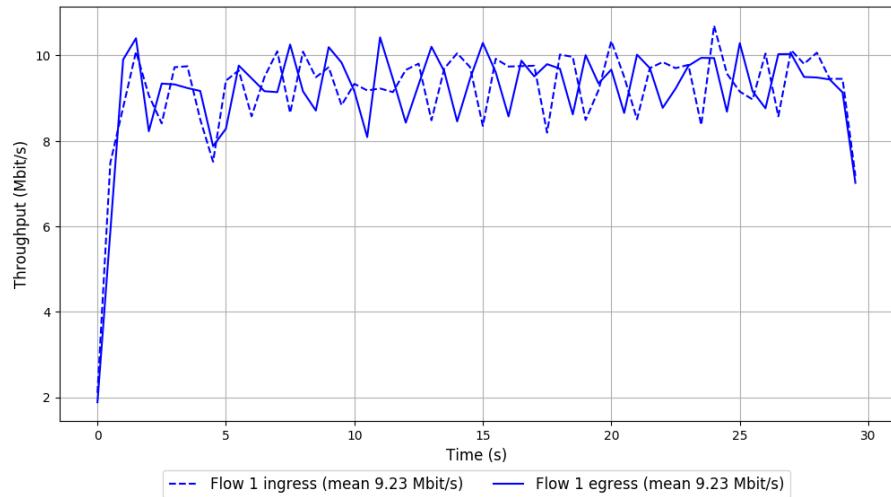


Run 7: Statistics of Sprout

```
Start at: 2017-08-21 20:05:22
End at: 2017-08-21 20:05:52
Local clock offset: 0.071 ms
Remote clock offset: -0.663 ms

# Below is generated by plot.py at 2017-08-22 01:05:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 47.654 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 9.23 Mbit/s
95th percentile per-packet one-way delay: 47.654 ms
Loss rate: 0.29%
```

Run 7: Report of Sprout — Data Link

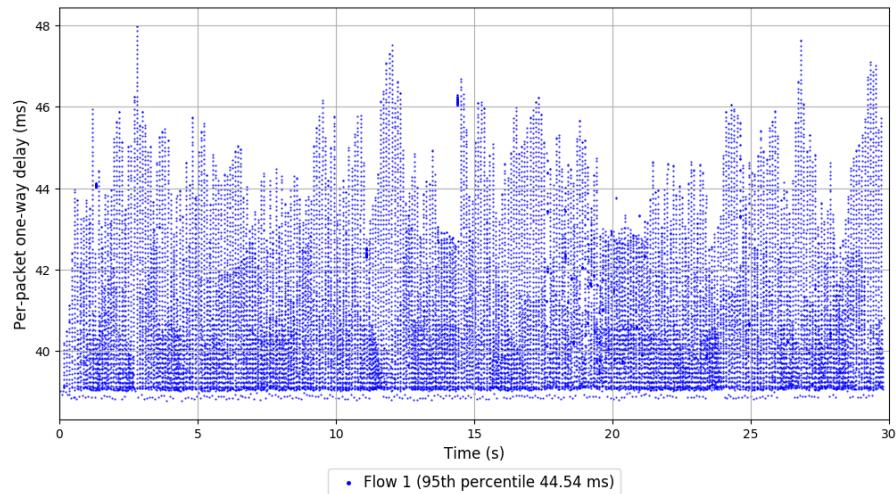
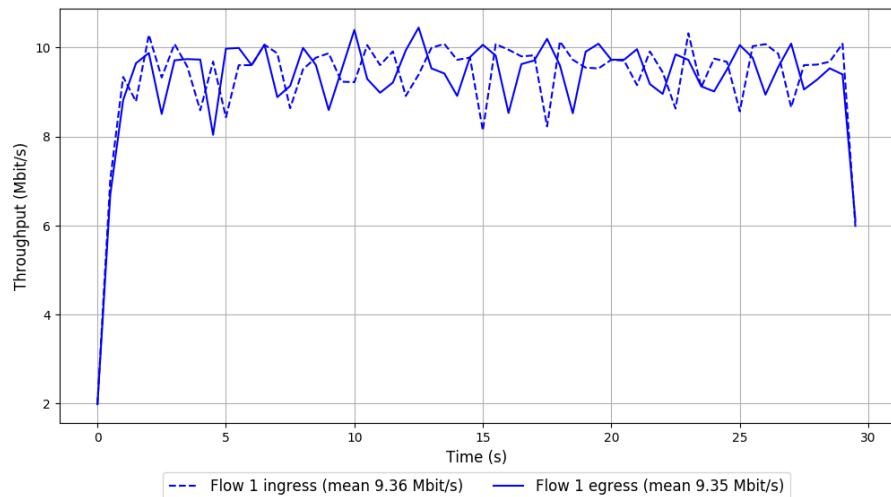


Run 8: Statistics of Sprout

```
Start at: 2017-08-21 20:25:42
End at: 2017-08-21 20:26:12
Local clock offset: -0.089 ms
Remote clock offset: 2.026 ms

# Below is generated by plot.py at 2017-08-22 01:05:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 44.542 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 44.542 ms
Loss rate: 0.33%
```

## Run 8: Report of Sprout — Data Link

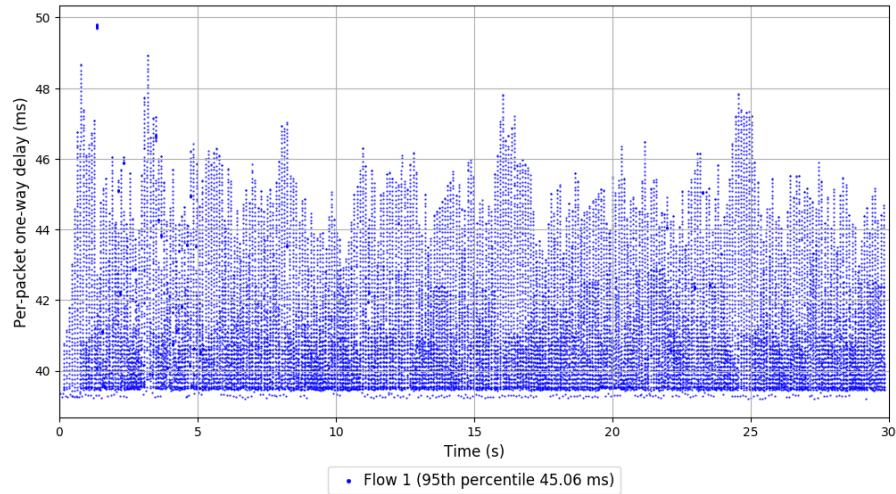
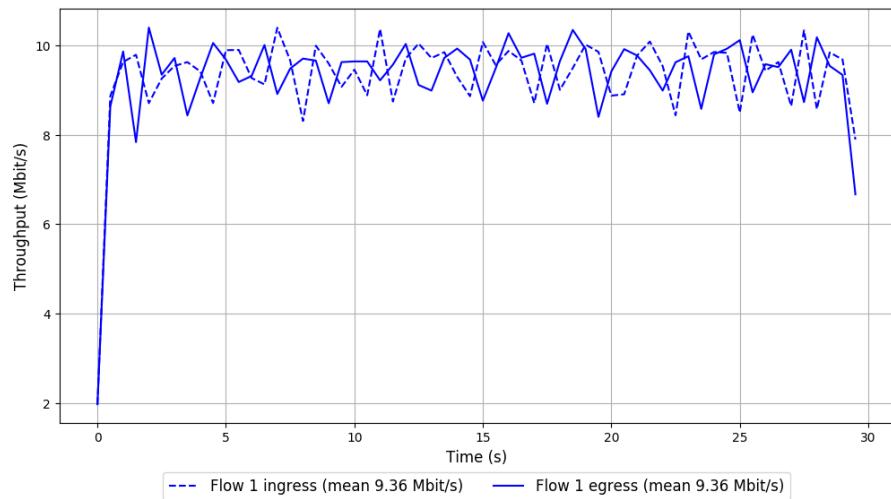


Run 9: Statistics of Sprout

```
Start at: 2017-08-21 20:45:58
End at: 2017-08-21 20:46:28
Local clock offset: 0.01 ms
Remote clock offset: 1.571 ms

# Below is generated by plot.py at 2017-08-22 01:05:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 45.062 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 9.36 Mbit/s
95th percentile per-packet one-way delay: 45.062 ms
Loss rate: 0.33%
```

Run 9: Report of Sprout — Data Link

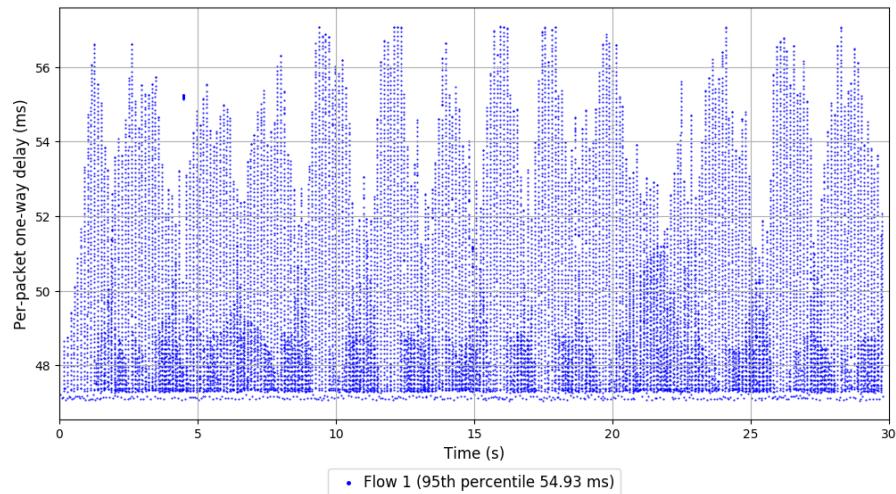
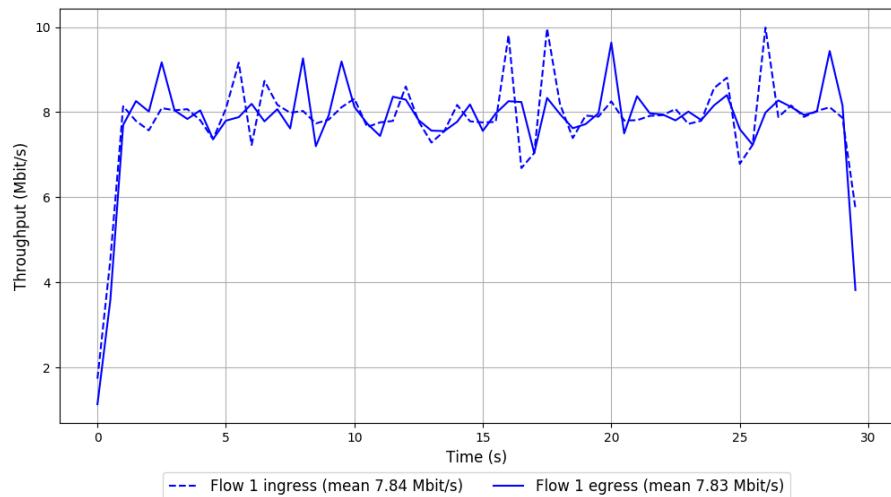


Run 10: Statistics of Sprout

```
Start at: 2017-08-21 21:06:13
End at: 2017-08-21 21:06:43
Local clock offset: 0.106 ms
Remote clock offset: -5.585 ms

# Below is generated by plot.py at 2017-08-22 01:05:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 54.933 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 7.83 Mbit/s
95th percentile per-packet one-way delay: 54.933 ms
Loss rate: 0.41%
```

Run 10: Report of Sprout — Data Link

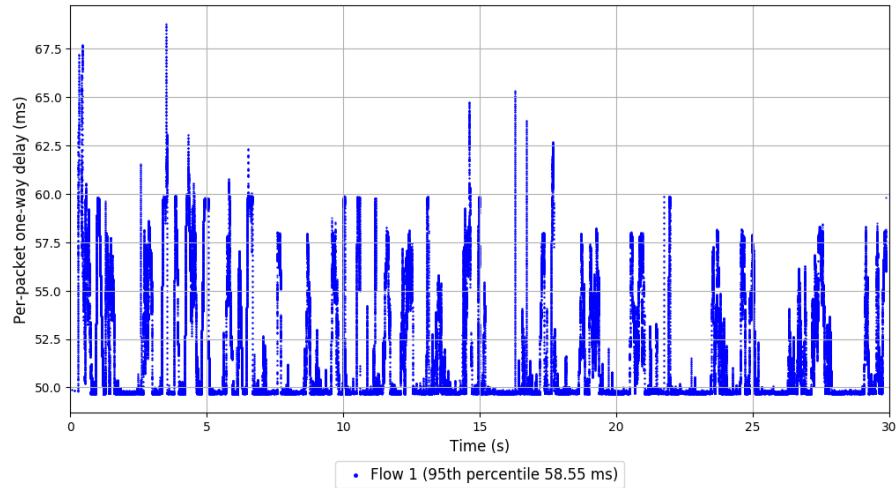
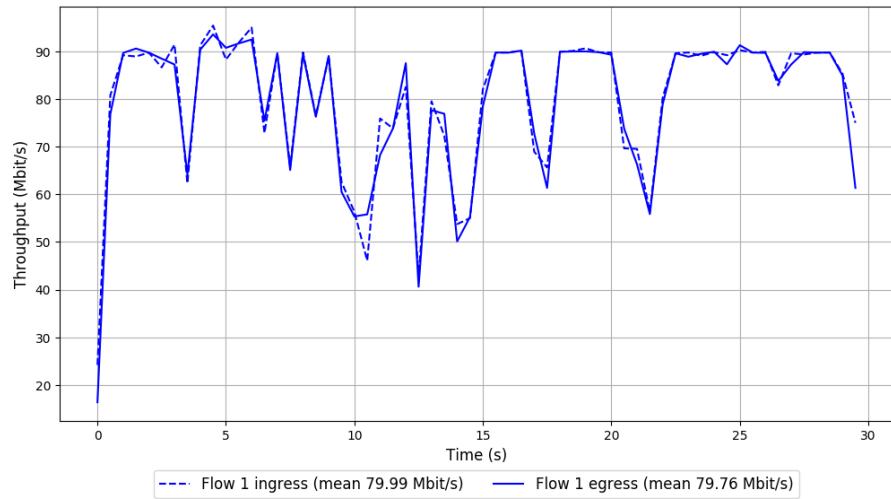


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-08-21 17:57:05
End at: 2017-08-21 17:57:35
Local clock offset: 0.412 ms
Remote clock offset: -10.504 ms

# Below is generated by plot.py at 2017-08-22 01:05:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 58.553 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 58.553 ms
Loss rate: 0.70%
```

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

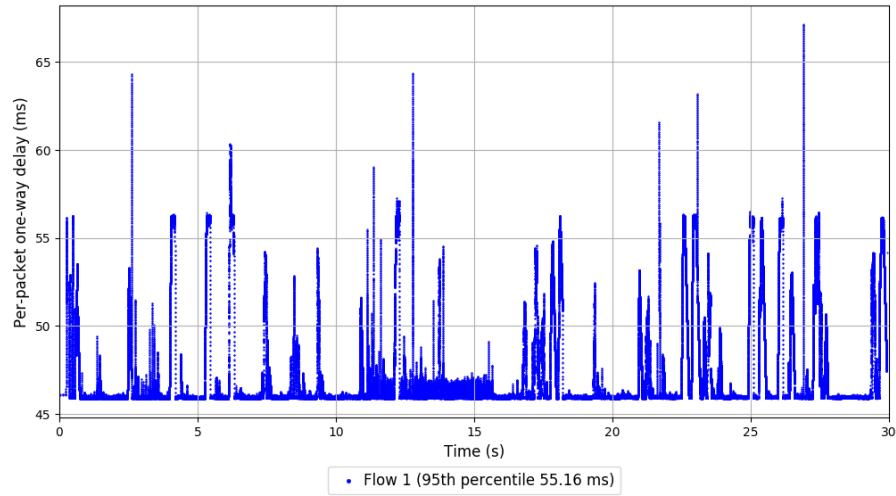
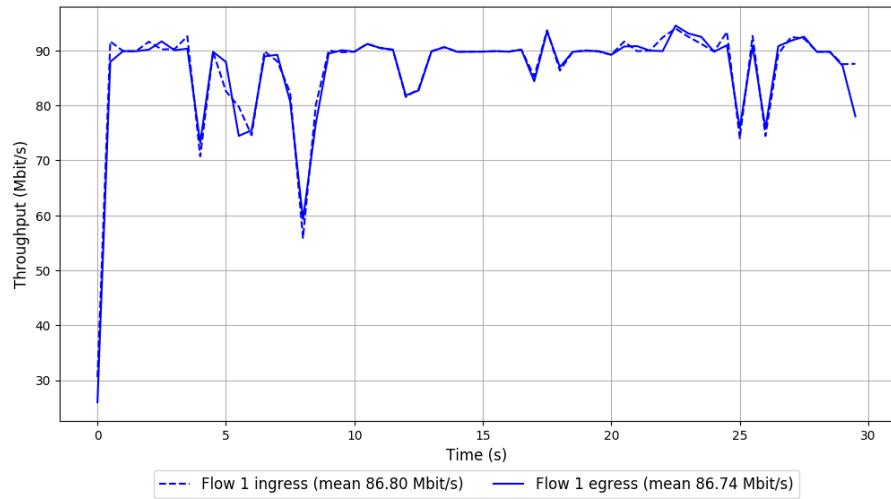


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-08-21 18:17:48
End at: 2017-08-21 18:18:18
Local clock offset: 0.349 ms
Remote clock offset: -6.148 ms

# Below is generated by plot.py at 2017-08-22 01:05:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 55.165 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 55.165 ms
Loss rate: 0.37%
```

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

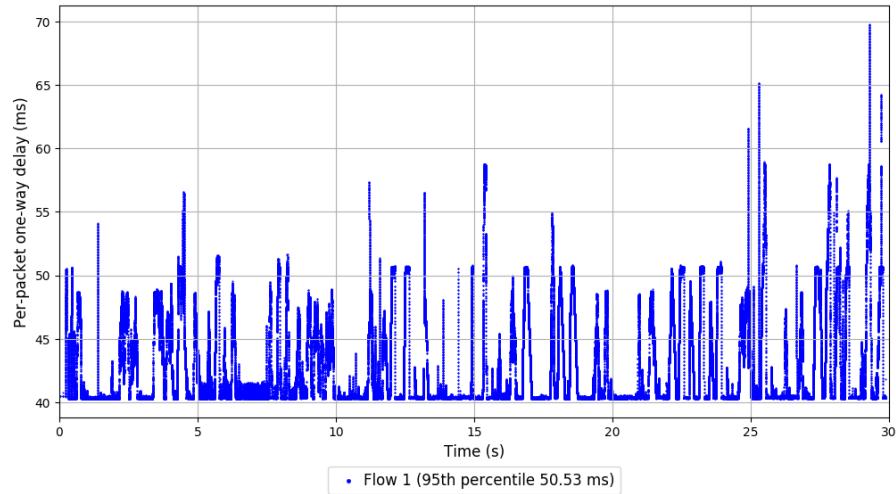
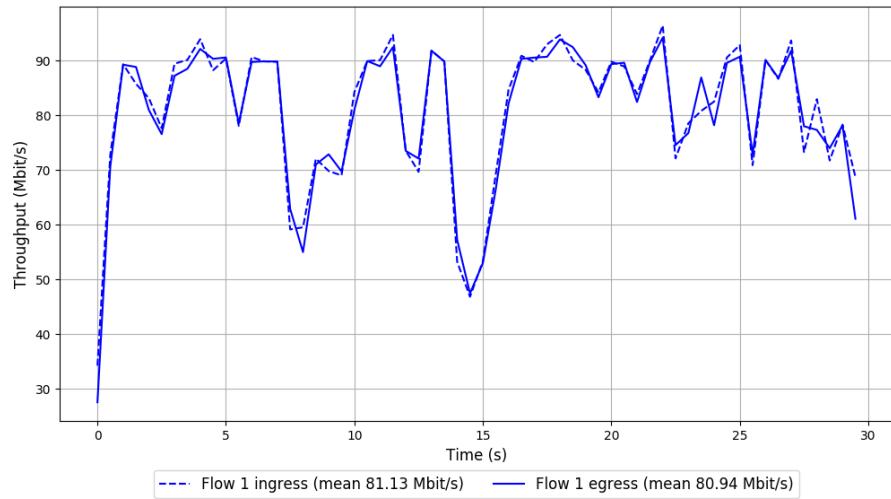


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-08-21 18:37:55
End at: 2017-08-21 18:38:25
Local clock offset: 0.434 ms
Remote clock offset: 0.833 ms

# Below is generated by plot.py at 2017-08-22 01:06:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 50.534 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 50.534 ms
Loss rate: 0.56%
```

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

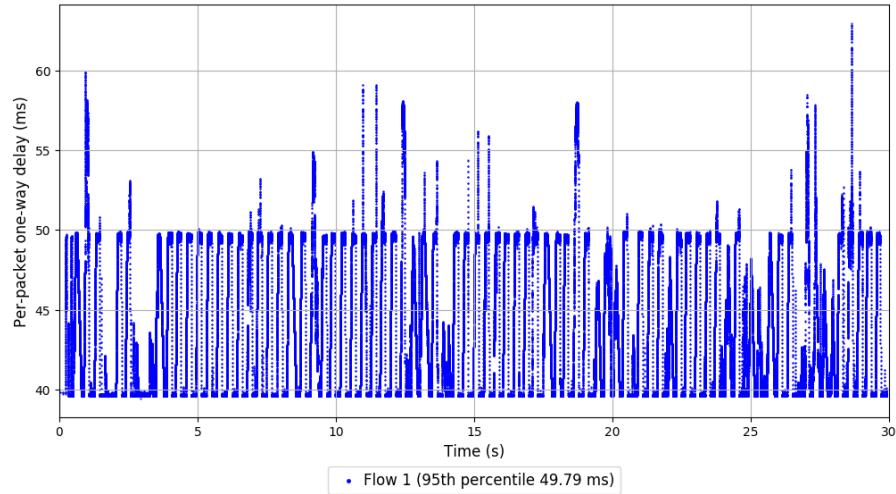
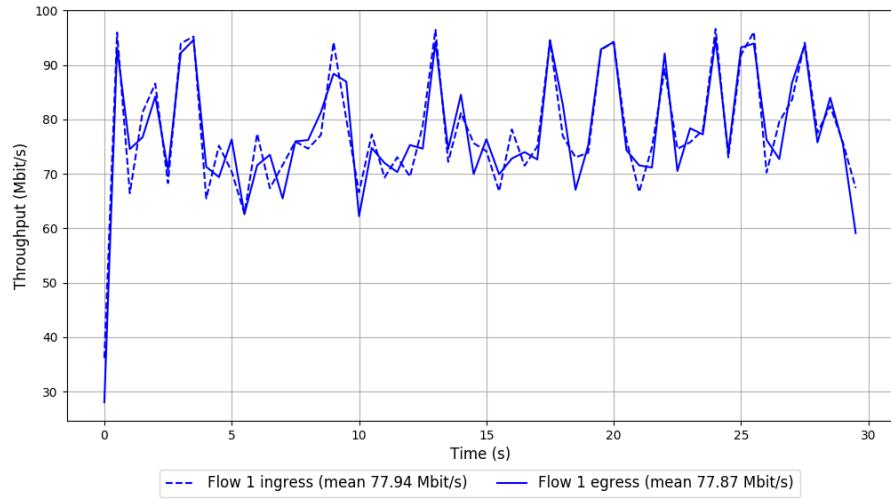


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-08-21 18:58:09
End at: 2017-08-21 18:58:39
Local clock offset: 0.395 ms
Remote clock offset: 1.087 ms

# Below is generated by plot.py at 2017-08-22 01:06:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.87 Mbit/s
95th percentile per-packet one-way delay: 49.787 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 77.87 Mbit/s
95th percentile per-packet one-way delay: 49.787 ms
Loss rate: 0.38%
```

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

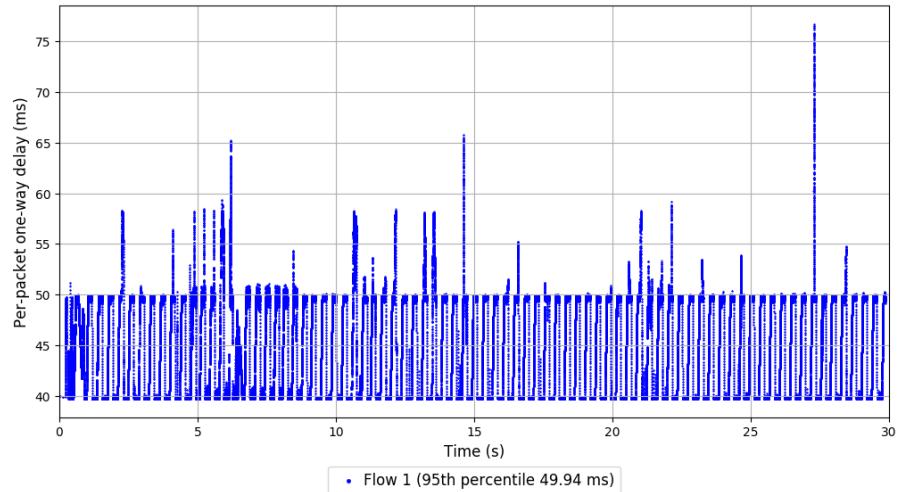
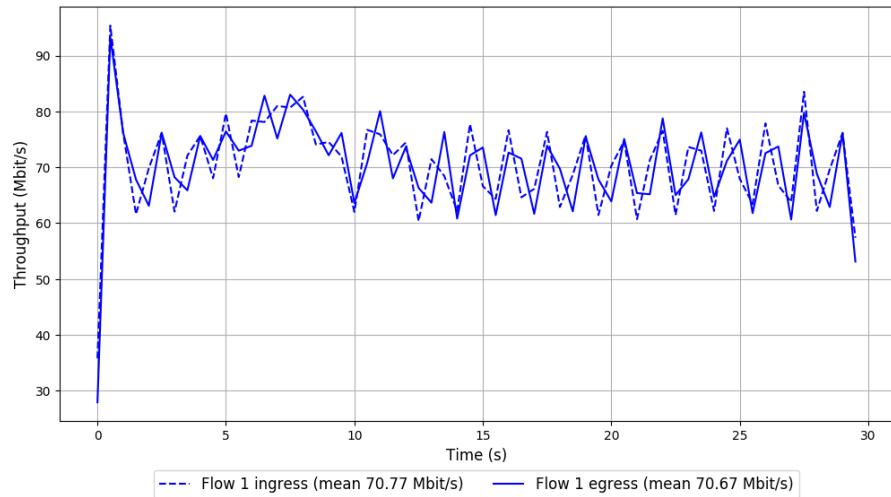


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-08-21 19:18:55
End at: 2017-08-21 19:19:25
Local clock offset: 0.414 ms
Remote clock offset: 1.904 ms

# Below is generated by plot.py at 2017-08-22 01:06:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.67 Mbit/s
95th percentile per-packet one-way delay: 49.942 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 70.67 Mbit/s
95th percentile per-packet one-way delay: 49.942 ms
Loss rate: 0.44%
```

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

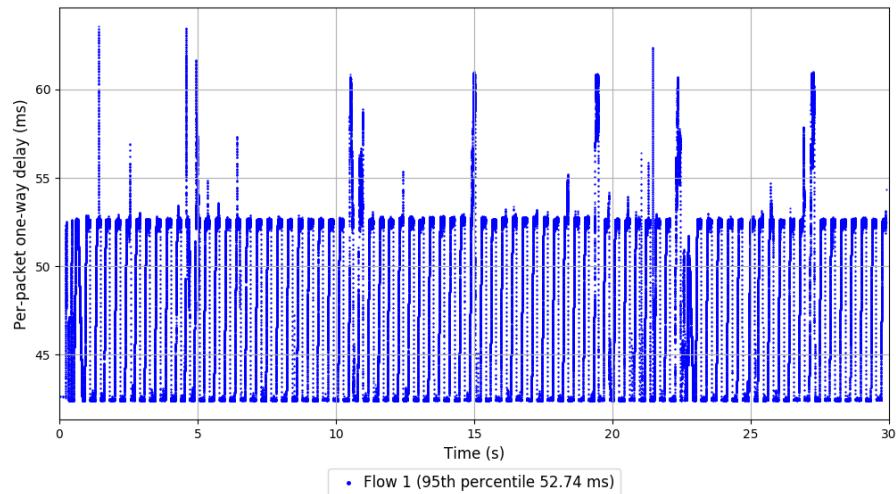
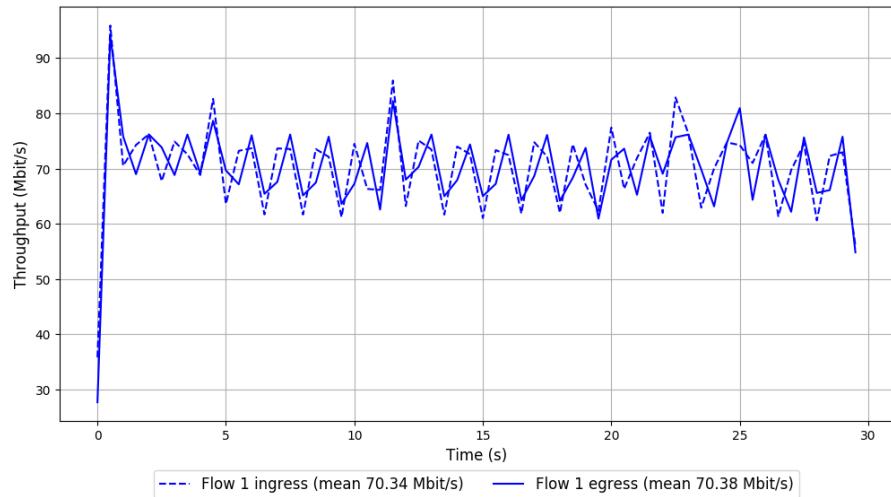


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-08-21 19:39:24
End at: 2017-08-21 19:39:54
Local clock offset: 0.317 ms
Remote clock offset: -0.646 ms

# Below is generated by plot.py at 2017-08-22 01:06:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.38 Mbit/s
95th percentile per-packet one-way delay: 52.745 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 70.38 Mbit/s
95th percentile per-packet one-way delay: 52.745 ms
Loss rate: 0.26%
```

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

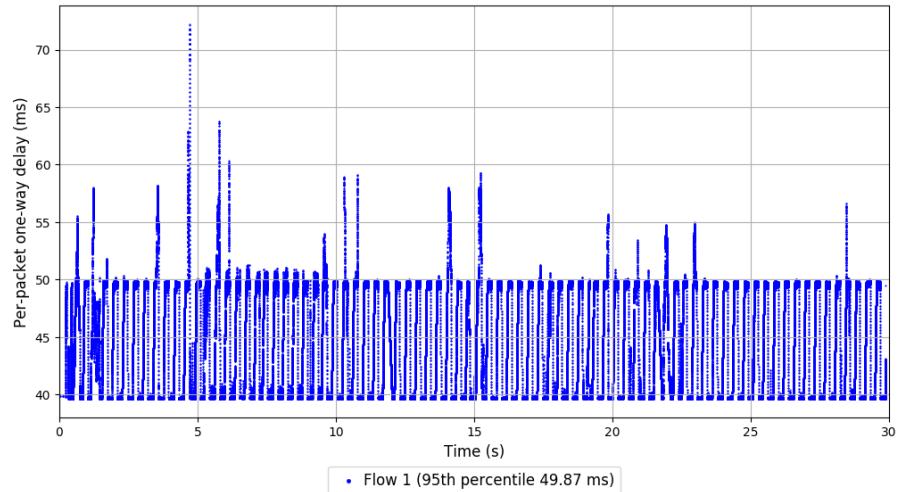
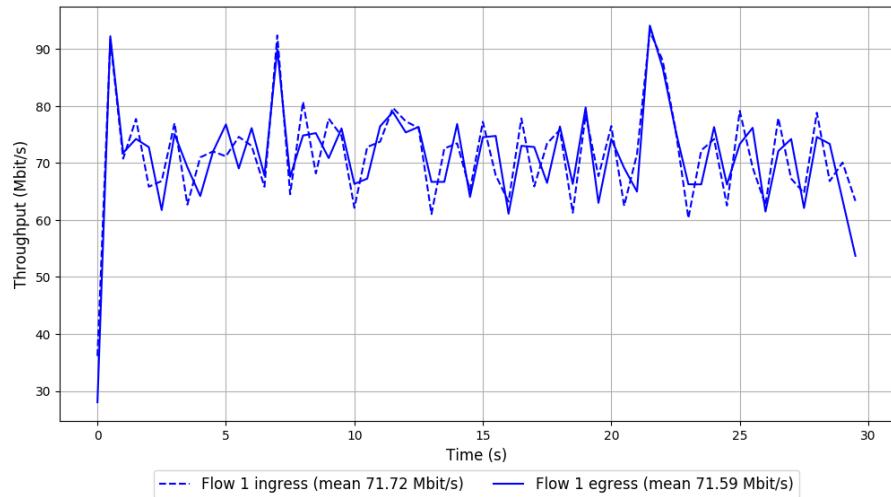


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-08-21 19:59:55
End at: 2017-08-21 20:00:25
Local clock offset: 0.199 ms
Remote clock offset: 1.323 ms

# Below is generated by plot.py at 2017-08-22 01:06:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.59 Mbit/s
95th percentile per-packet one-way delay: 49.869 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 71.59 Mbit/s
95th percentile per-packet one-way delay: 49.869 ms
Loss rate: 0.49%
```

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

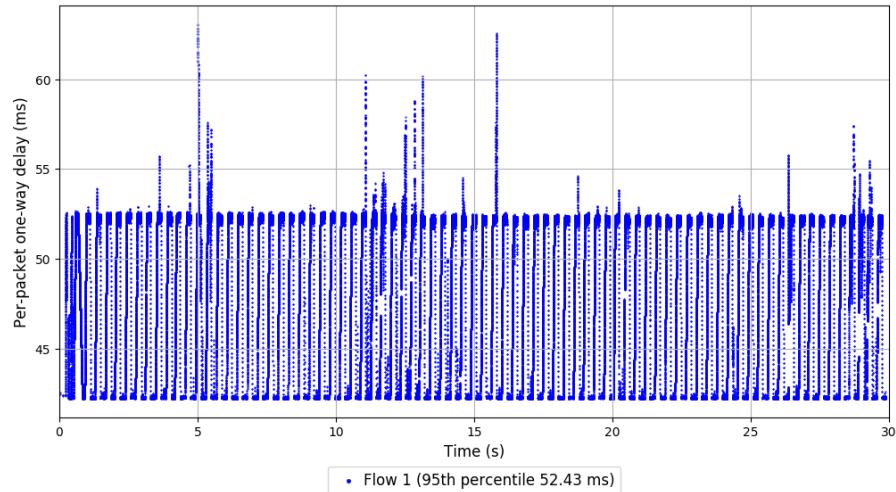
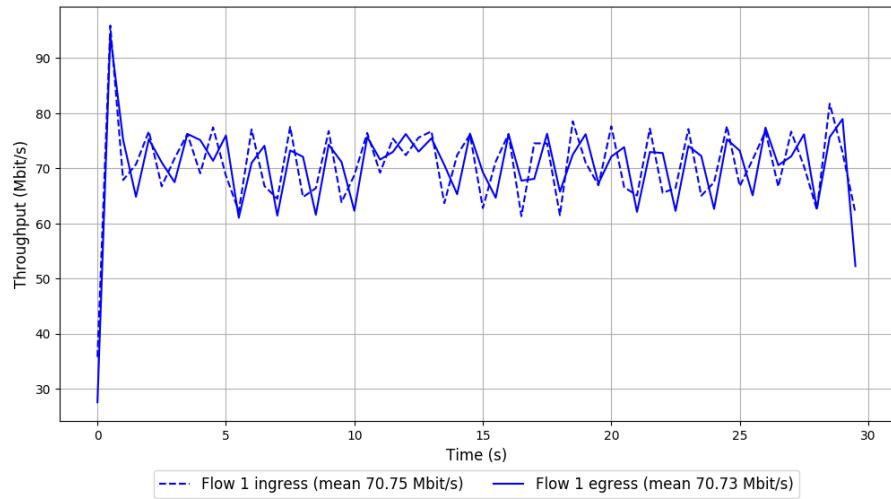


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-08-21 20:20:15
End at: 2017-08-21 20:20:45
Local clock offset: -0.079 ms
Remote clock offset: -0.572 ms

# Below is generated by plot.py at 2017-08-22 01:06:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 52.429 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 70.73 Mbit/s
95th percentile per-packet one-way delay: 52.429 ms
Loss rate: 0.32%
```

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

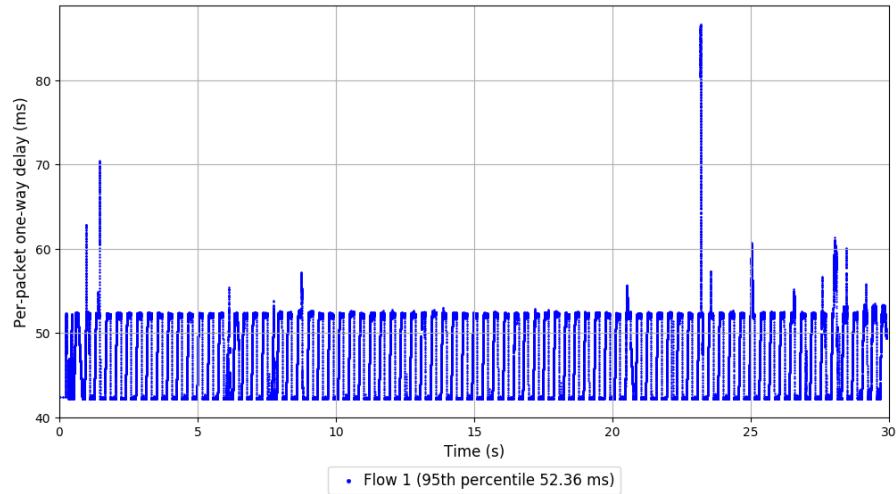
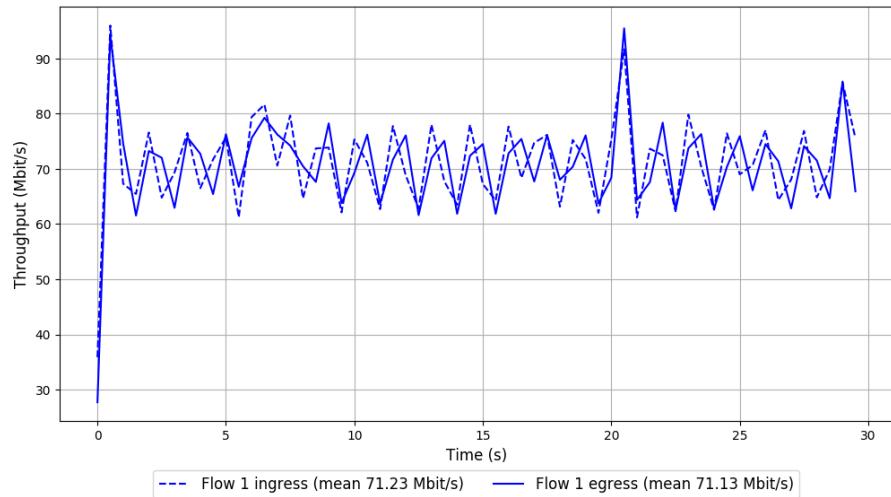


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-08-21 20:40:32
End at: 2017-08-21 20:41:02
Local clock offset: -0.09 ms
Remote clock offset: -0.526 ms

# Below is generated by plot.py at 2017-08-22 01:07:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.13 Mbit/s
95th percentile per-packet one-way delay: 52.356 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 71.13 Mbit/s
95th percentile per-packet one-way delay: 52.356 ms
Loss rate: 0.45%
```

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

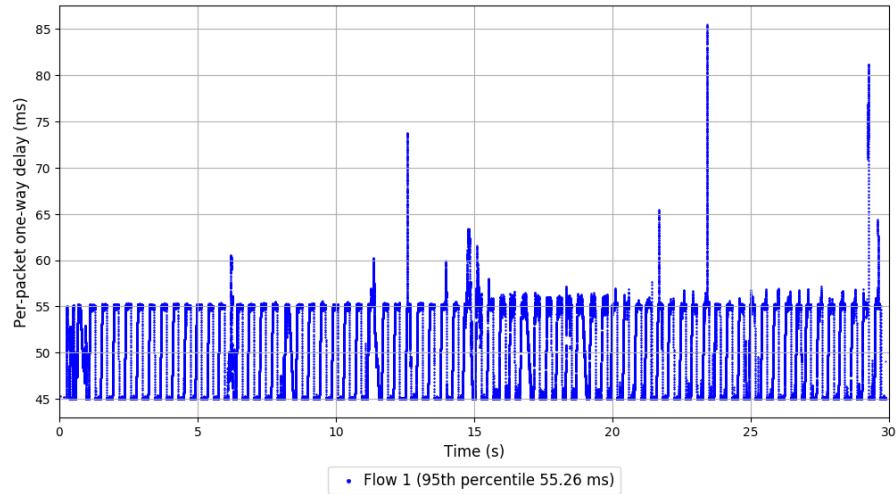
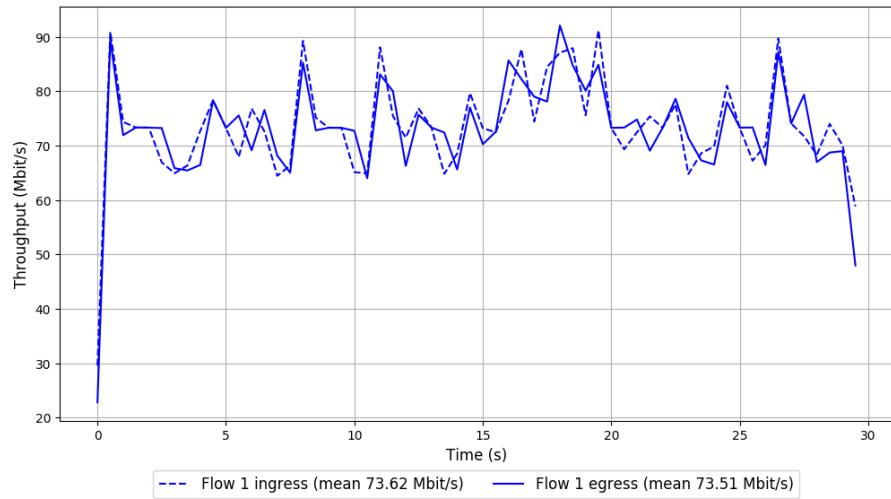


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-08-21 21:00:44
End at: 2017-08-21 21:01:14
Local clock offset: 0.005 ms
Remote clock offset: -3.431 ms

# Below is generated by plot.py at 2017-08-22 01:07:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.51 Mbit/s
95th percentile per-packet one-way delay: 55.259 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 73.51 Mbit/s
95th percentile per-packet one-way delay: 55.259 ms
Loss rate: 0.50%
```

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

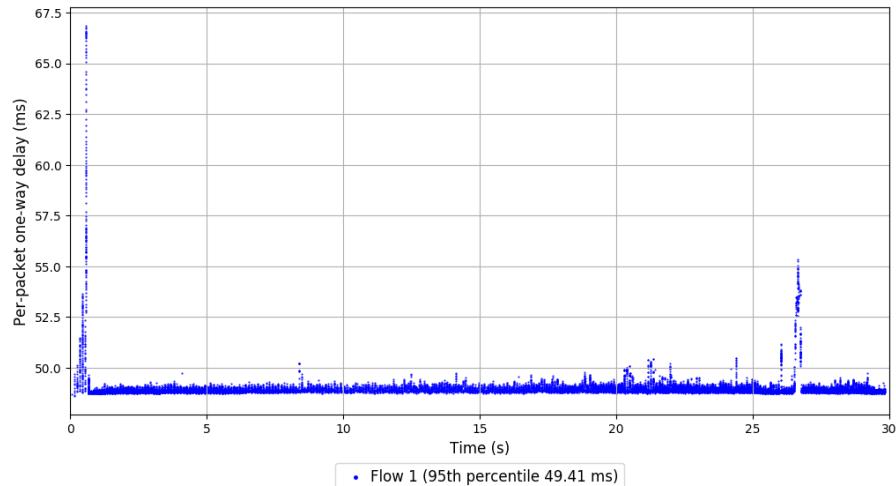
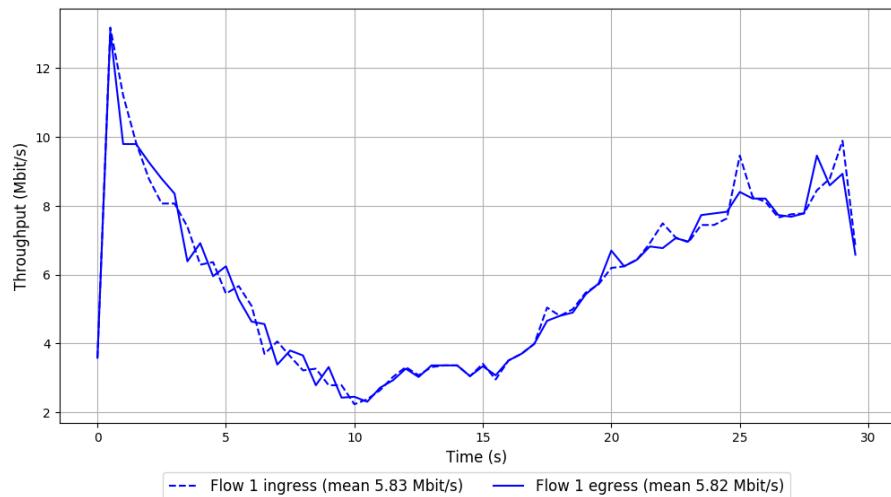


Run 1: Statistics of TCP Vegas

```
Start at: 2017-08-21 18:05:40
End at: 2017-08-21 18:06:10
Local clock offset: 0.434 ms
Remote clock offset: -9.174 ms

# Below is generated by plot.py at 2017-08-22 01:07:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 49.405 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 49.405 ms
Loss rate: 0.50%
```

Run 1: Report of TCP Vegas — Data Link

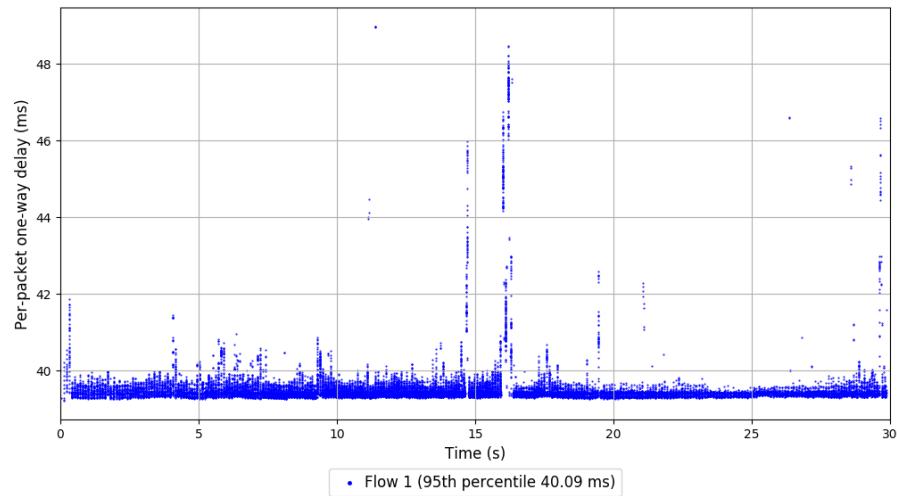
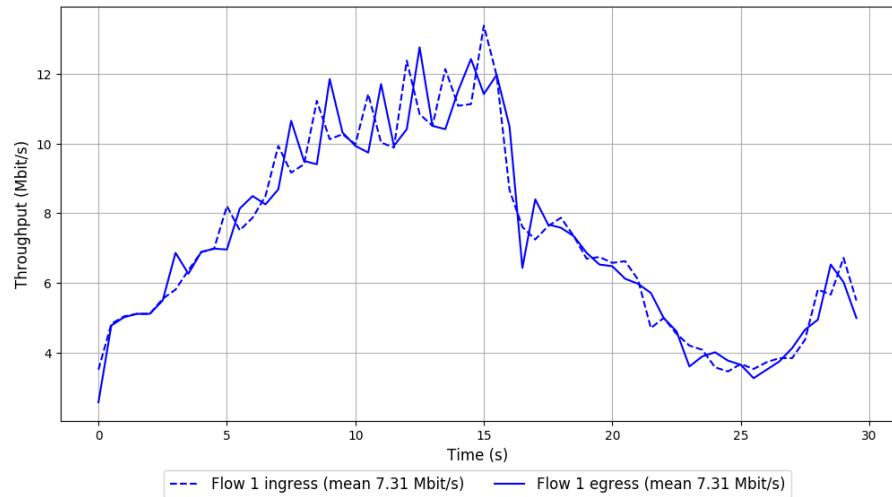


Run 2: Statistics of TCP Vegas

```
Start at: 2017-08-21 18:25:55
End at: 2017-08-21 18:26:25
Local clock offset: 0.426 ms
Remote clock offset: 0.859 ms

# Below is generated by plot.py at 2017-08-22 01:07:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 40.089 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 7.31 Mbit/s
95th percentile per-packet one-way delay: 40.089 ms
Loss rate: 0.33%
```

Run 2: Report of TCP Vegas — Data Link

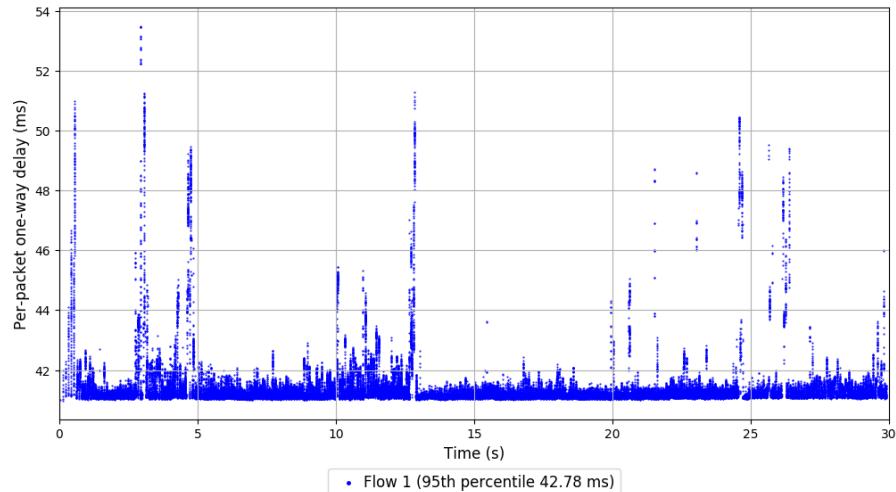
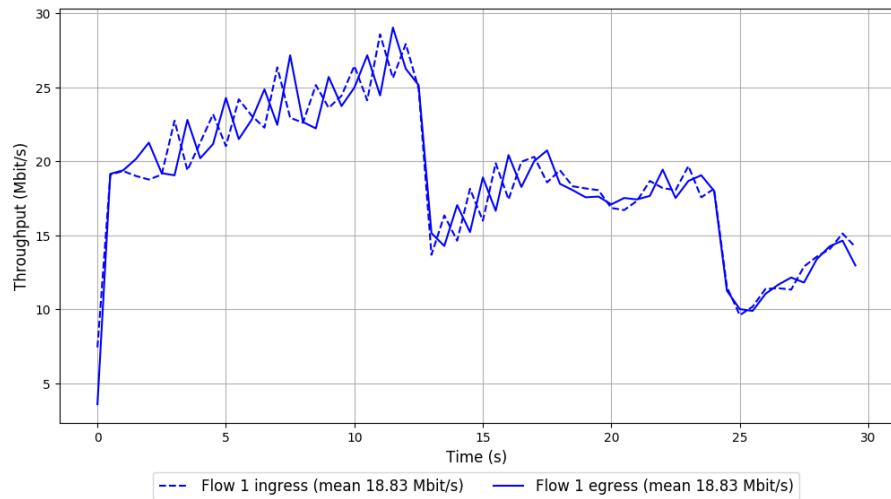


Run 3: Statistics of TCP Vegas

```
Start at: 2017-08-21 18:45:57
End at: 2017-08-21 18:46:27
Local clock offset: 0.434 ms
Remote clock offset: 0.25 ms

# Below is generated by plot.py at 2017-08-22 01:07:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.83 Mbit/s
95th percentile per-packet one-way delay: 42.782 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 18.83 Mbit/s
95th percentile per-packet one-way delay: 42.782 ms
Loss rate: 0.32%
```

### Run 3: Report of TCP Vegas — Data Link

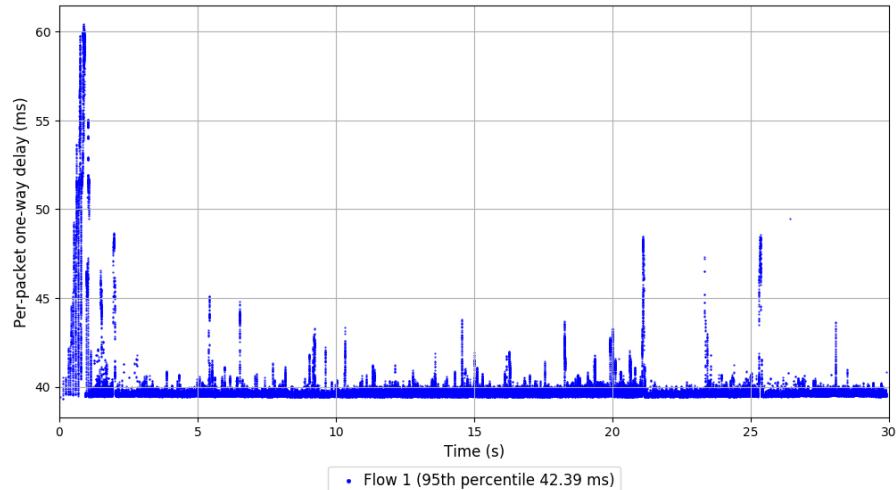
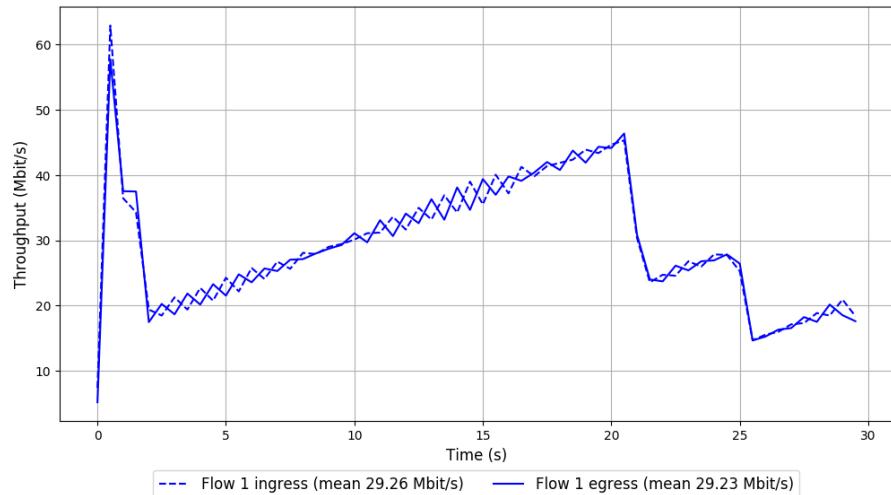


Run 4: Statistics of TCP Vegas

```
Start at: 2017-08-21 19:06:36
End at: 2017-08-21 19:07:06
Local clock offset: 0.308 ms
Remote clock offset: 1.265 ms

# Below is generated by plot.py at 2017-08-22 01:07:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.23 Mbit/s
95th percentile per-packet one-way delay: 42.389 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 29.23 Mbit/s
95th percentile per-packet one-way delay: 42.389 ms
Loss rate: 0.40%
```

## Run 4: Report of TCP Vegas — Data Link

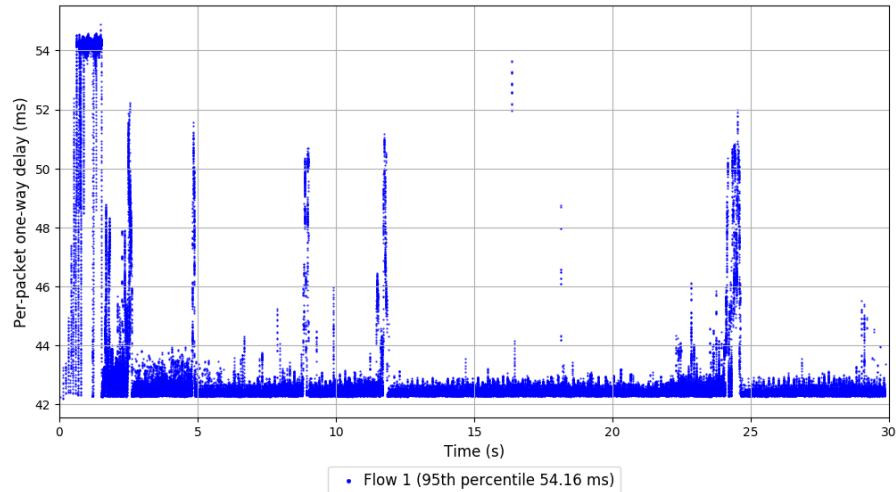
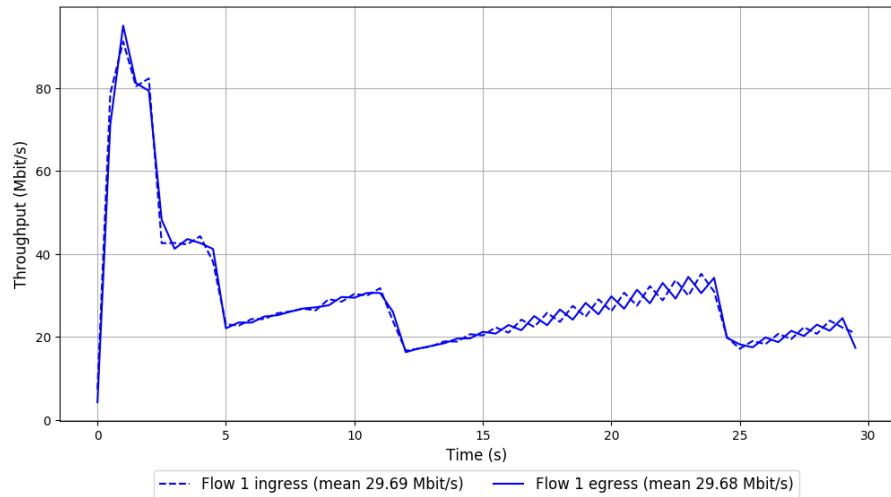


Run 5: Statistics of TCP Vegas

```
Start at: 2017-08-21 19:26:57
End at: 2017-08-21 19:27:27
Local clock offset: 0.297 ms
Remote clock offset: -0.475 ms

# Below is generated by plot.py at 2017-08-22 01:07:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 54.164 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 54.164 ms
Loss rate: 0.30%
```

Run 5: Report of TCP Vegas — Data Link

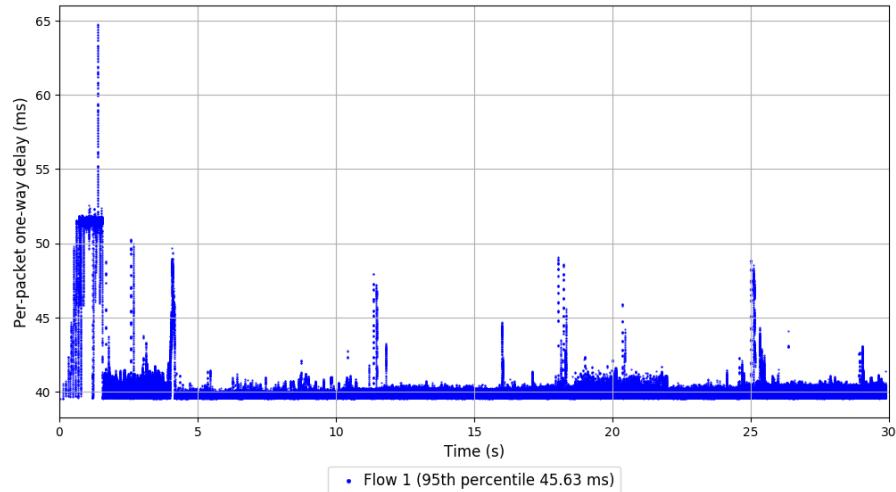
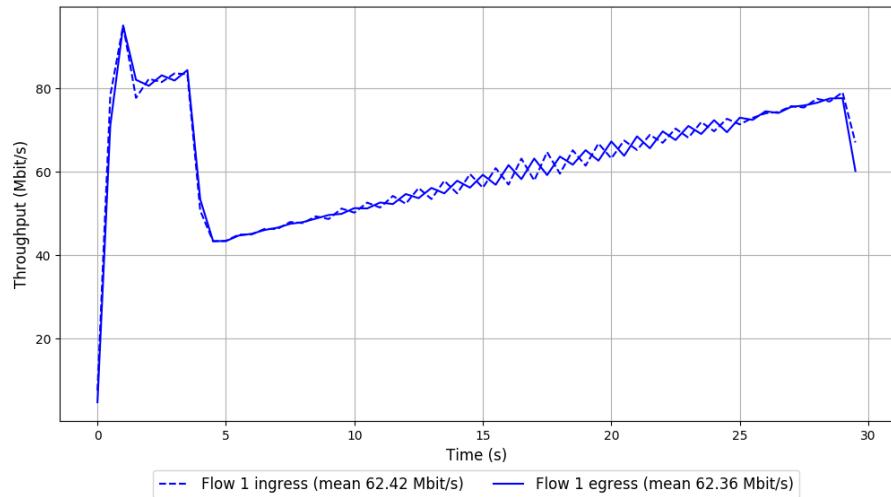


Run 6: Statistics of TCP Vegas

```
Start at: 2017-08-21 19:47:41
End at: 2017-08-21 19:48:11
Local clock offset: 0.164 ms
Remote clock offset: 1.947 ms

# Below is generated by plot.py at 2017-08-22 01:07:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 45.626 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 62.36 Mbit/s
95th percentile per-packet one-way delay: 45.626 ms
Loss rate: 0.39%
```

Run 6: Report of TCP Vegas — Data Link

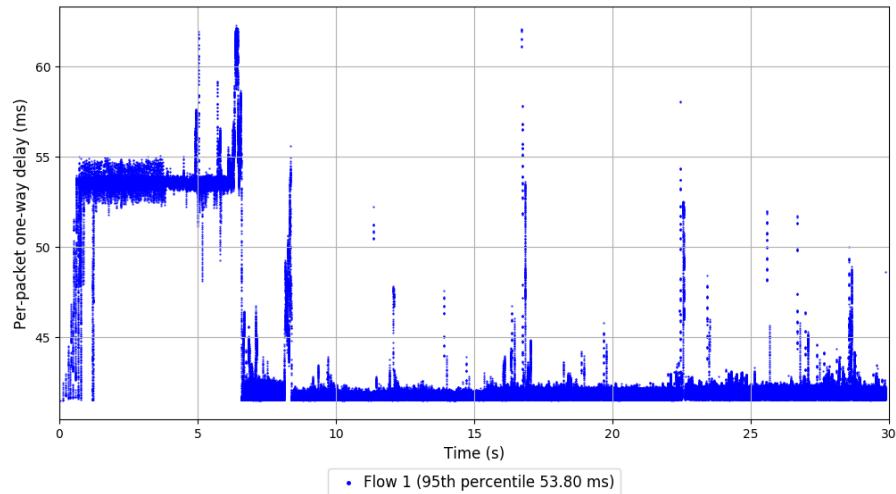
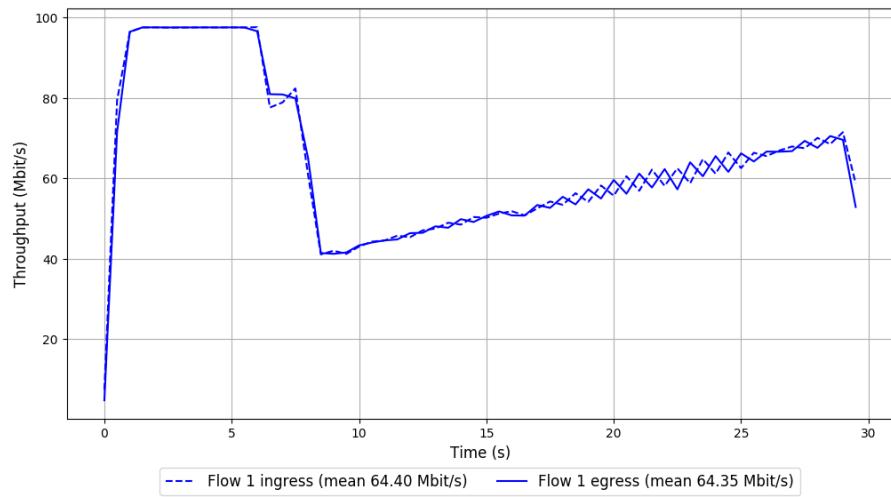


Run 7: Statistics of TCP Vegas

```
Start at: 2017-08-21 20:08:00
End at: 2017-08-21 20:08:30
Local clock offset: 0.014 ms
Remote clock offset: -0.681 ms

# Below is generated by plot.py at 2017-08-22 01:07:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.35 Mbit/s
95th percentile per-packet one-way delay: 53.804 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 64.35 Mbit/s
95th percentile per-packet one-way delay: 53.804 ms
Loss rate: 0.36%
```

### Run 7: Report of TCP Vegas — Data Link

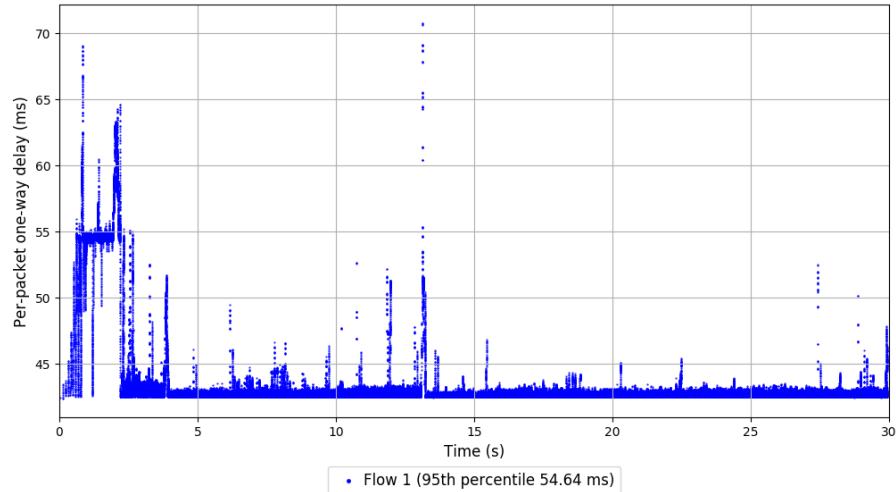
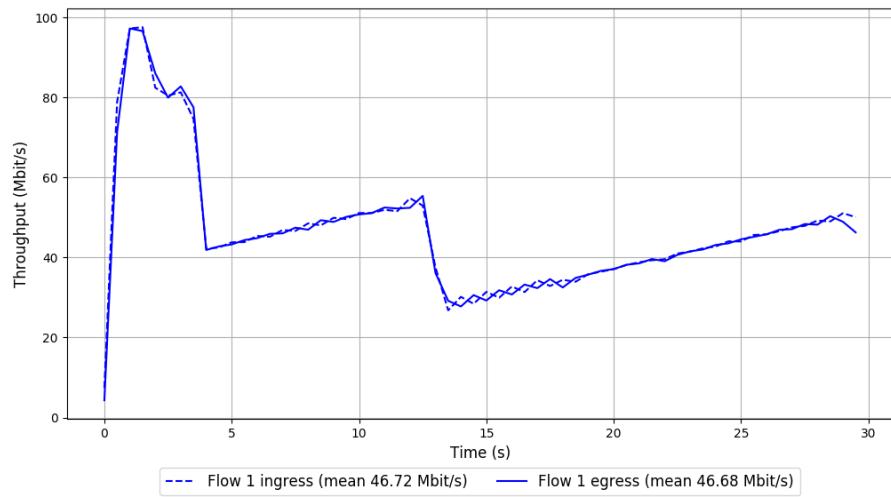


Run 8: Statistics of TCP Vegas

```
Start at: 2017-08-21 20:28:21
End at: 2017-08-21 20:28:51
Local clock offset: -0.016 ms
Remote clock offset: -0.611 ms

# Below is generated by plot.py at 2017-08-22 01:07:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 54.642 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 54.642 ms
Loss rate: 0.40%
```

Run 8: Report of TCP Vegas — Data Link

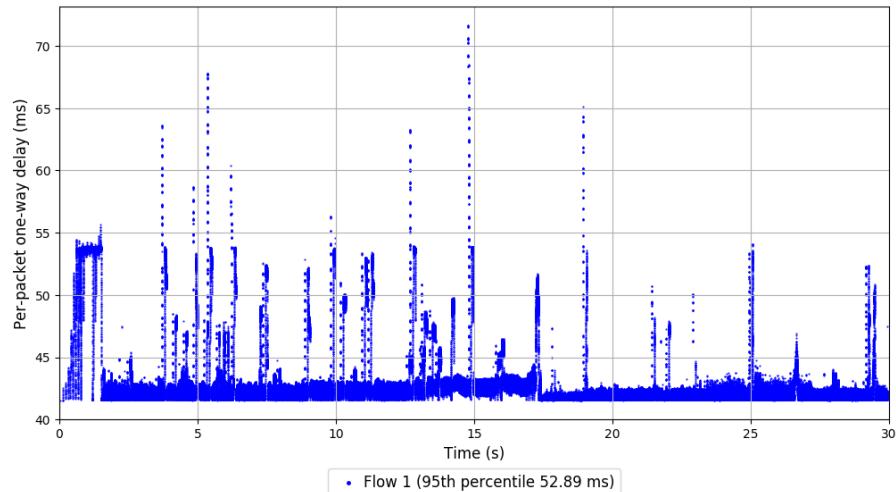
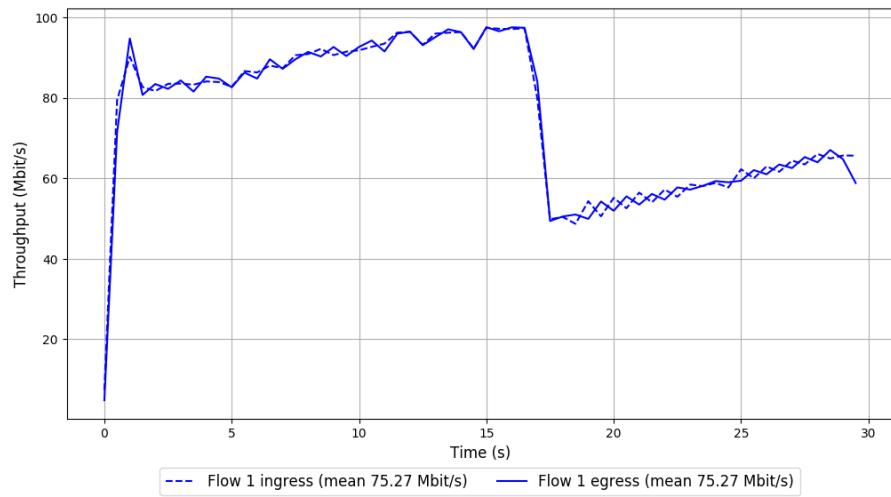


Run 9: Statistics of TCP Vegas

```
Start at: 2017-08-21 20:48:37
End at: 2017-08-21 20:49:07
Local clock offset: -0.025 ms
Remote clock offset: -0.661 ms

# Below is generated by plot.py at 2017-08-22 01:07:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.27 Mbit/s
95th percentile per-packet one-way delay: 52.888 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 75.27 Mbit/s
95th percentile per-packet one-way delay: 52.888 ms
Loss rate: 0.27%
```

### Run 9: Report of TCP Vegas — Data Link

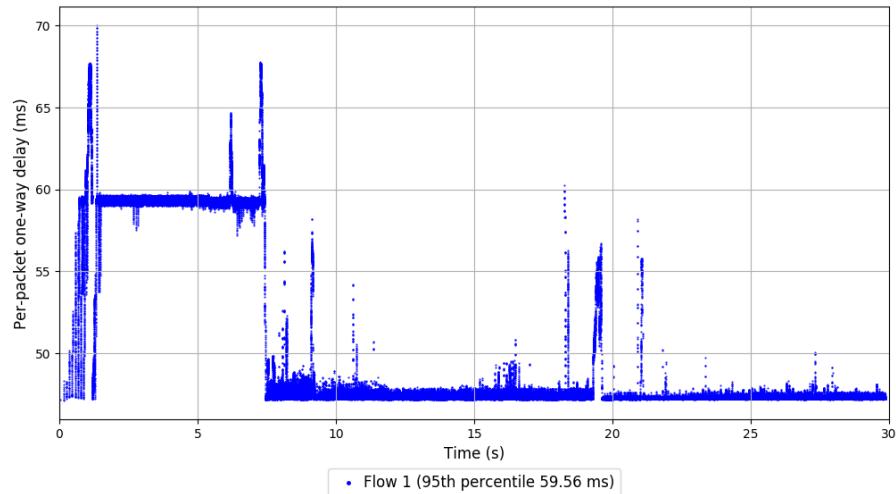
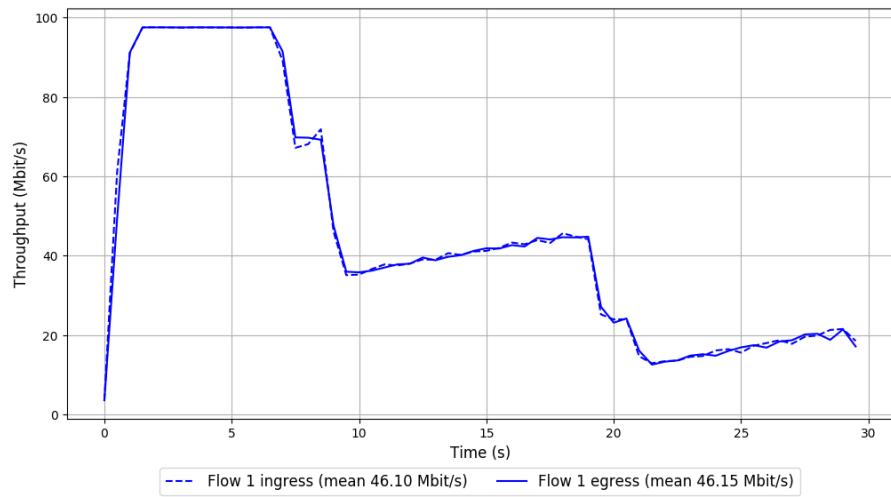


Run 10: Statistics of TCP Vegas

```
Start at: 2017-08-21 21:08:51
End at: 2017-08-21 21:09:21
Local clock offset: 0.012 ms
Remote clock offset: -5.634 ms

# Below is generated by plot.py at 2017-08-22 01:07:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 59.560 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 46.15 Mbit/s
95th percentile per-packet one-way delay: 59.560 ms
Loss rate: 0.25%
```

Run 10: Report of TCP Vegas — Data Link

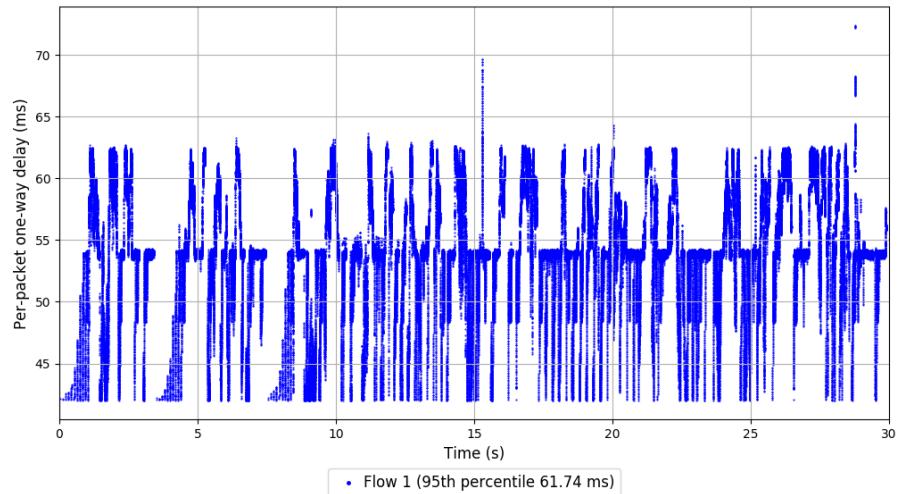
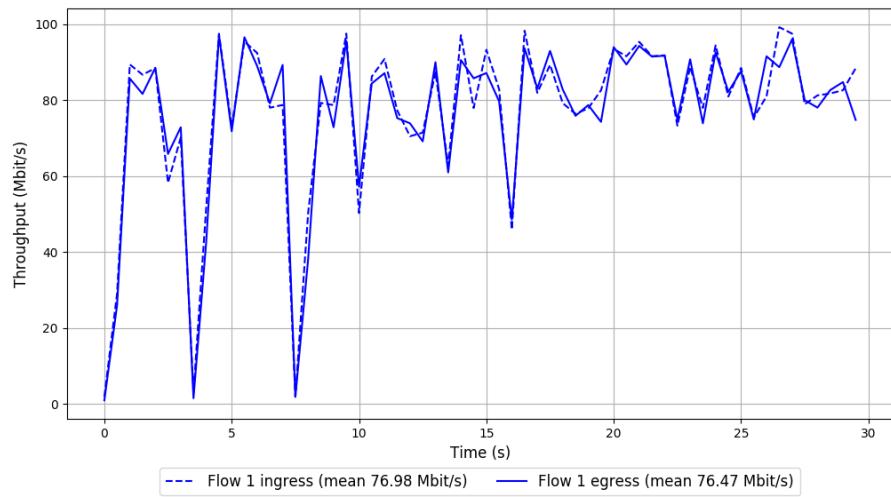


Run 1: Statistics of Verus

```
Start at: 2017-08-21 17:52:50
End at: 2017-08-21 17:53:20
Local clock offset: 0.422 ms
Remote clock offset: -2.86 ms

# Below is generated by plot.py at 2017-08-22 01:07:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 61.741 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 76.47 Mbit/s
95th percentile per-packet one-way delay: 61.741 ms
Loss rate: 0.99%
```

Run 1: Report of Verus — Data Link

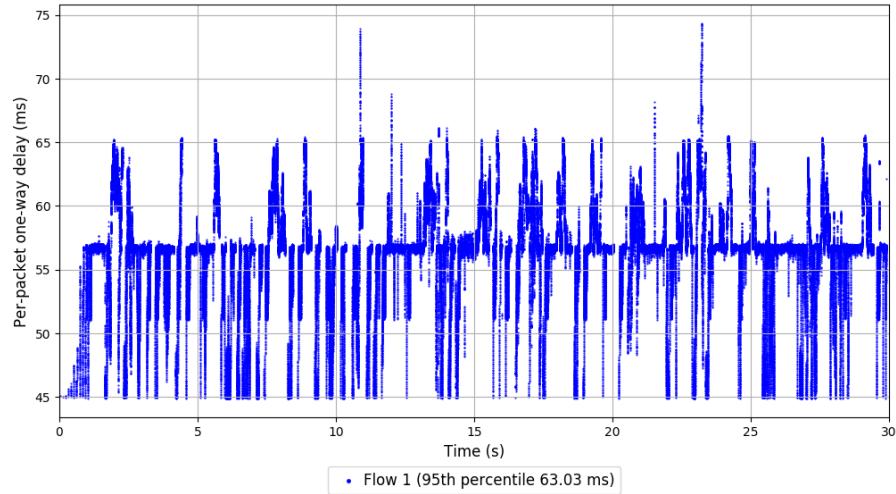
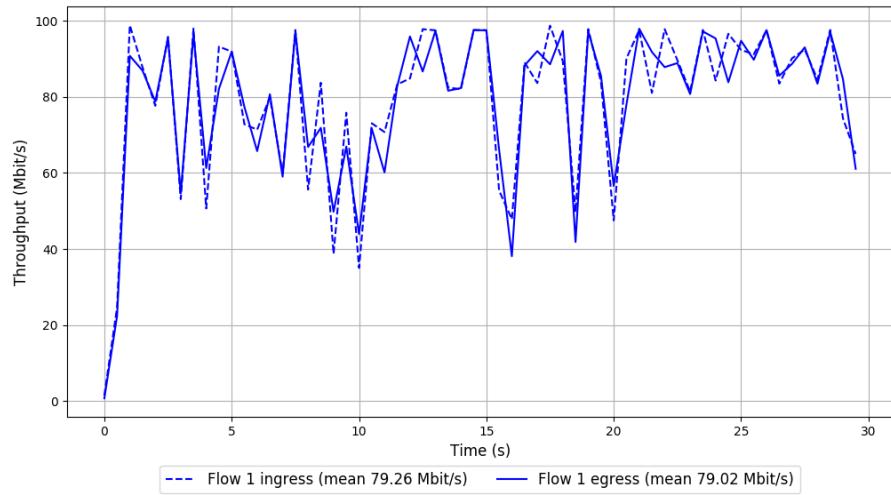


Run 2: Statistics of Verus

```
Start at: 2017-08-21 18:13:46
End at: 2017-08-21 18:14:16
Local clock offset: 0.342 ms
Remote clock offset: -5.138 ms

# Below is generated by plot.py at 2017-08-22 01:07:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.02 Mbit/s
95th percentile per-packet one-way delay: 63.034 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 79.02 Mbit/s
95th percentile per-packet one-way delay: 63.034 ms
Loss rate: 0.31%
```

Run 2: Report of Verus — Data Link

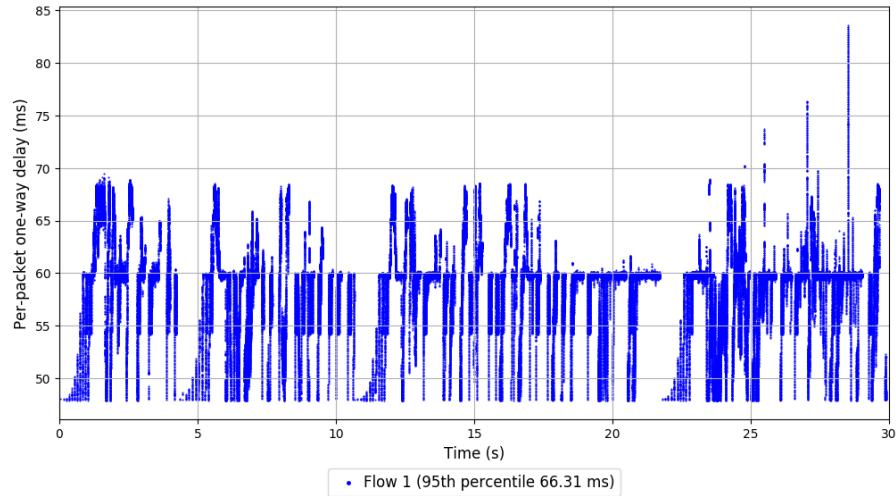
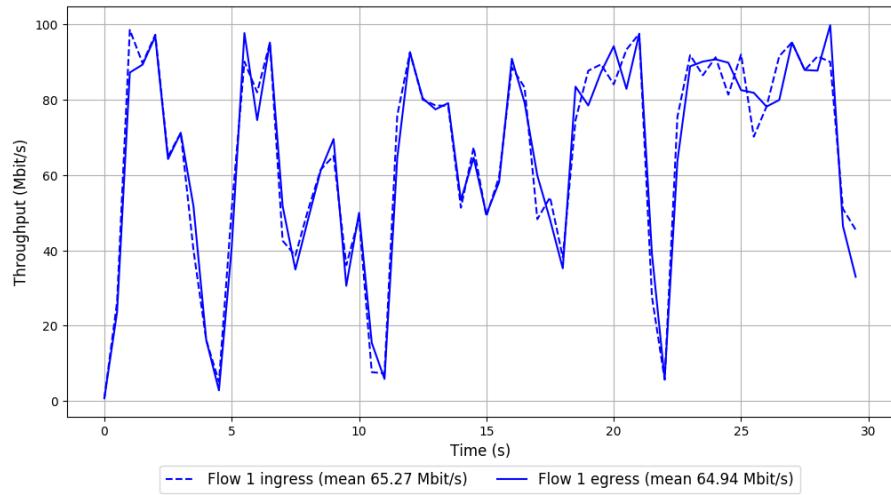


Run 3: Statistics of Verus

```
Start at: 2017-08-21 18:33:59
End at: 2017-08-21 18:34:29
Local clock offset: 0.346 ms
Remote clock offset: -7.69 ms

# Below is generated by plot.py at 2017-08-22 01:07:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 66.311 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 64.94 Mbit/s
95th percentile per-packet one-way delay: 66.311 ms
Loss rate: 0.84%
```

### Run 3: Report of Verus — Data Link

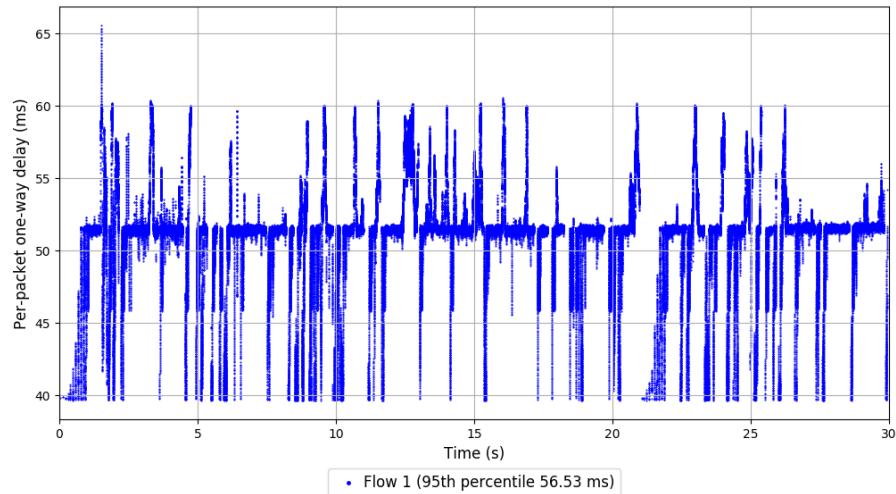
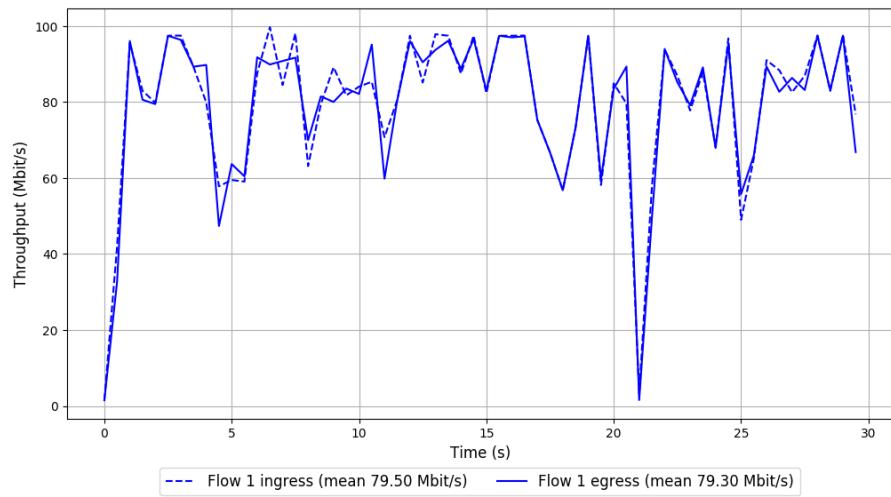


Run 4: Statistics of Verus

```
Start at: 2017-08-21 18:54:10
End at: 2017-08-21 18:54:40
Local clock offset: 0.318 ms
Remote clock offset: 1.606 ms

# Below is generated by plot.py at 2017-08-22 01:08:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.30 Mbit/s
95th percentile per-packet one-way delay: 56.529 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 79.30 Mbit/s
95th percentile per-packet one-way delay: 56.529 ms
Loss rate: 0.55%
```

Run 4: Report of Verus — Data Link

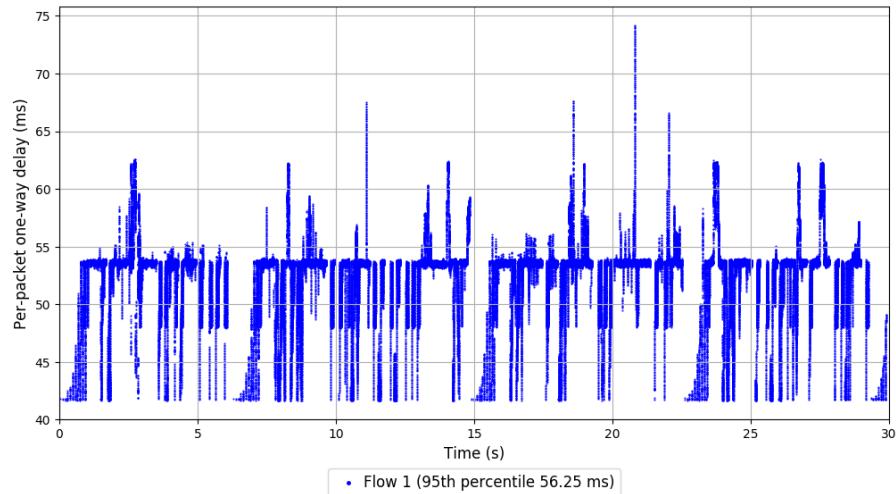
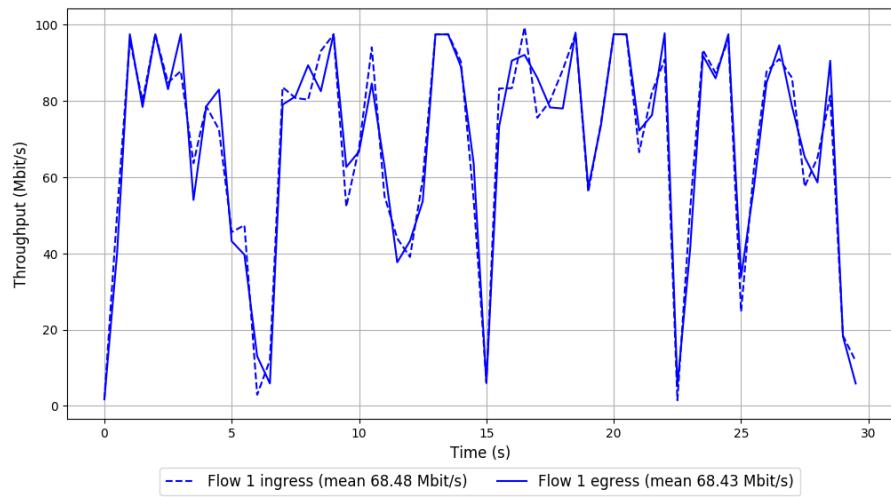


Run 5: Statistics of Verus

```
Start at: 2017-08-21 19:14:57
End at: 2017-08-21 19:15:27
Local clock offset: 0.353 ms
Remote clock offset: -0.791 ms

# Below is generated by plot.py at 2017-08-22 01:08:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 56.251 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 68.43 Mbit/s
95th percentile per-packet one-way delay: 56.251 ms
Loss rate: 0.39%
```

Run 5: Report of Verus — Data Link

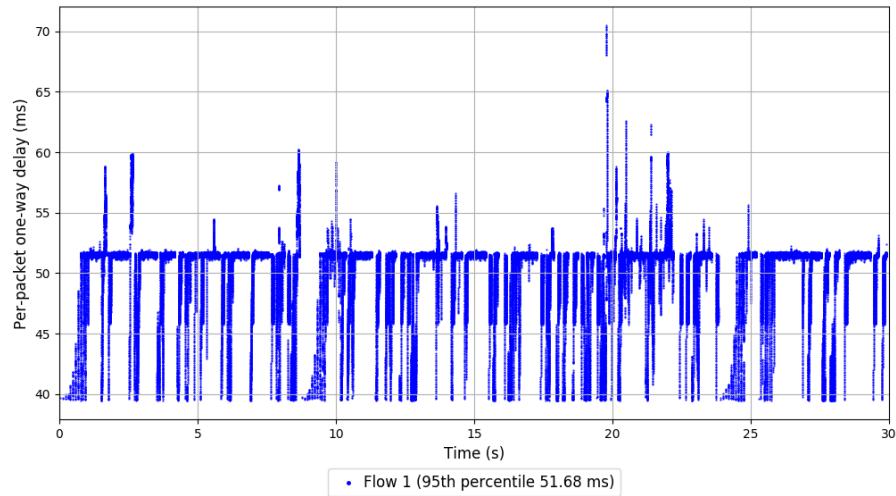
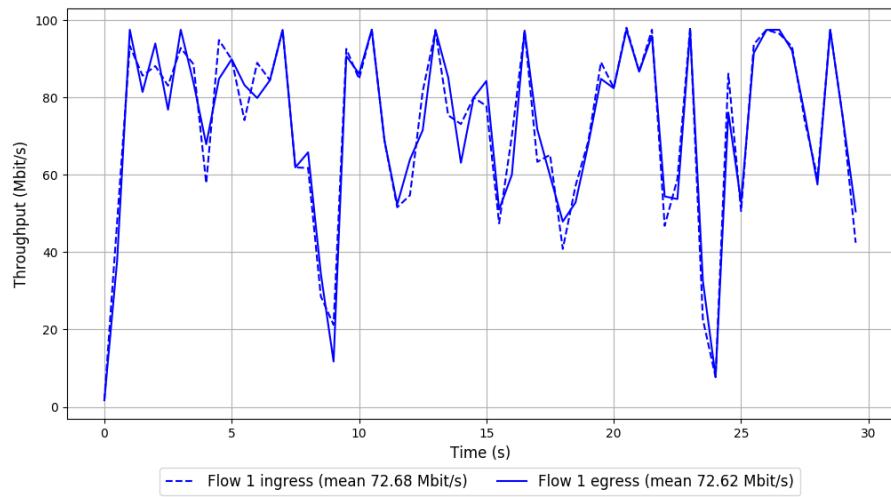


Run 6: Statistics of Verus

```
Start at: 2017-08-21 19:35:19
End at: 2017-08-21 19:35:49
Local clock offset: 0.322 ms
Remote clock offset: 1.516 ms

# Below is generated by plot.py at 2017-08-22 01:08:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.62 Mbit/s
95th percentile per-packet one-way delay: 51.676 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 72.62 Mbit/s
95th percentile per-packet one-way delay: 51.676 ms
Loss rate: 0.06%
```

Run 6: Report of Verus — Data Link

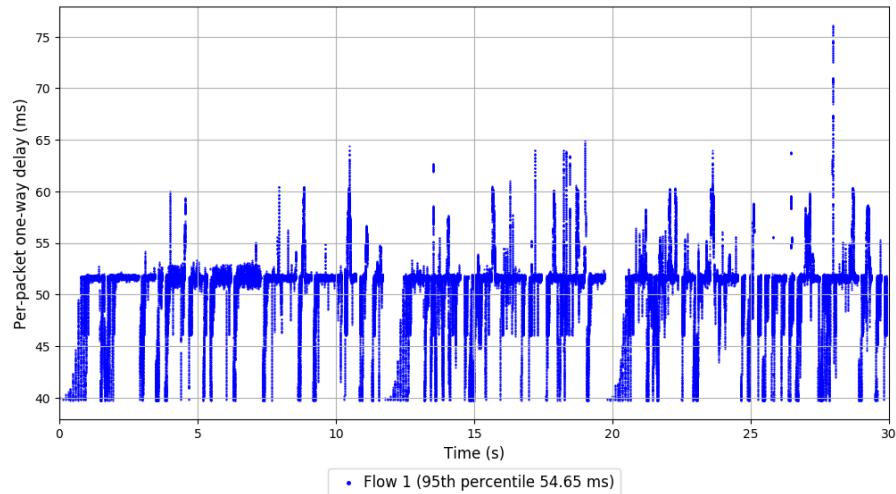
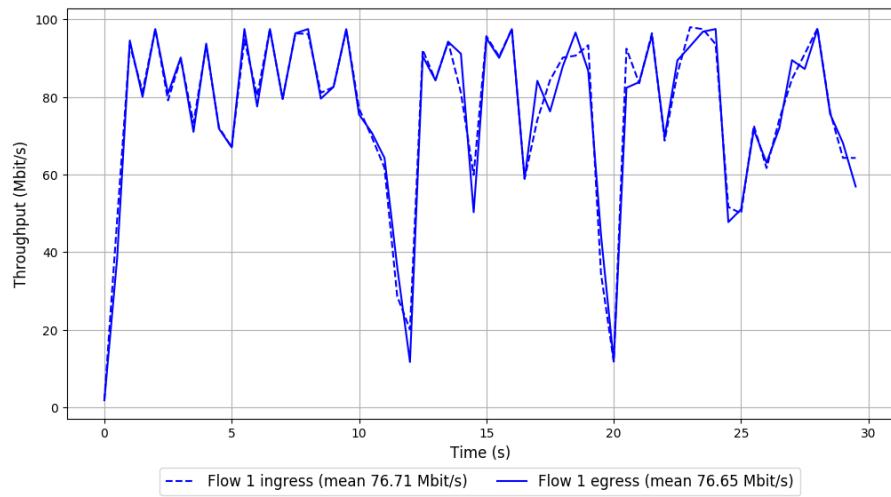


Run 7: Statistics of Verus

```
Start at: 2017-08-21 19:55:56
End at: 2017-08-21 19:56:26
Local clock offset: 0.158 ms
Remote clock offset: 1.87 ms

# Below is generated by plot.py at 2017-08-22 01:08:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 54.650 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 76.65 Mbit/s
95th percentile per-packet one-way delay: 54.650 ms
Loss rate: 0.38%
```

### Run 7: Report of Verus — Data Link

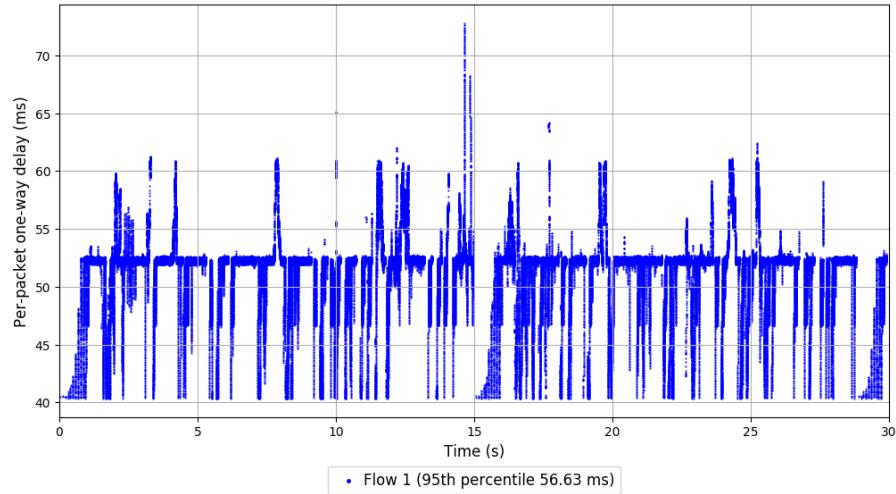
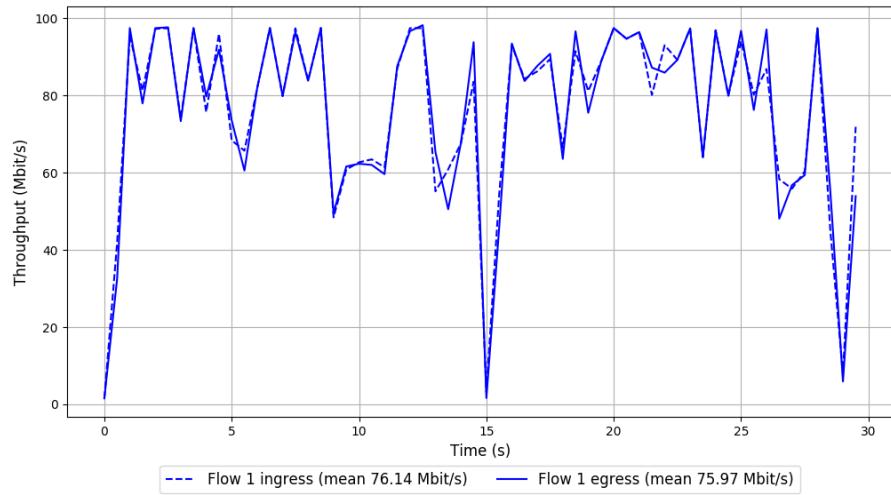


Run 8: Statistics of Verus

```
Start at: 2017-08-21 20:16:17
End at: 2017-08-21 20:16:47
Local clock offset: -0.006 ms
Remote clock offset: 1.414 ms

# Below is generated by plot.py at 2017-08-22 01:08:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.97 Mbit/s
95th percentile per-packet one-way delay: 56.626 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 75.97 Mbit/s
95th percentile per-packet one-way delay: 56.626 ms
Loss rate: 0.54%
```

Run 8: Report of Verus — Data Link

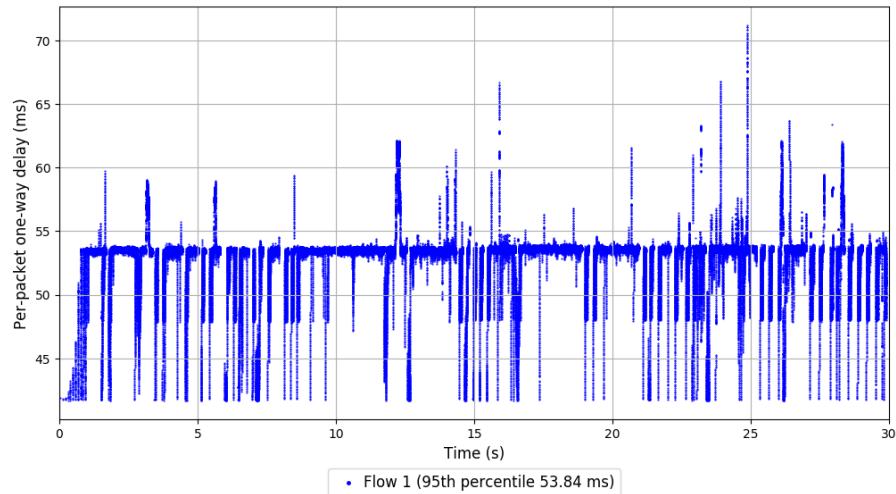
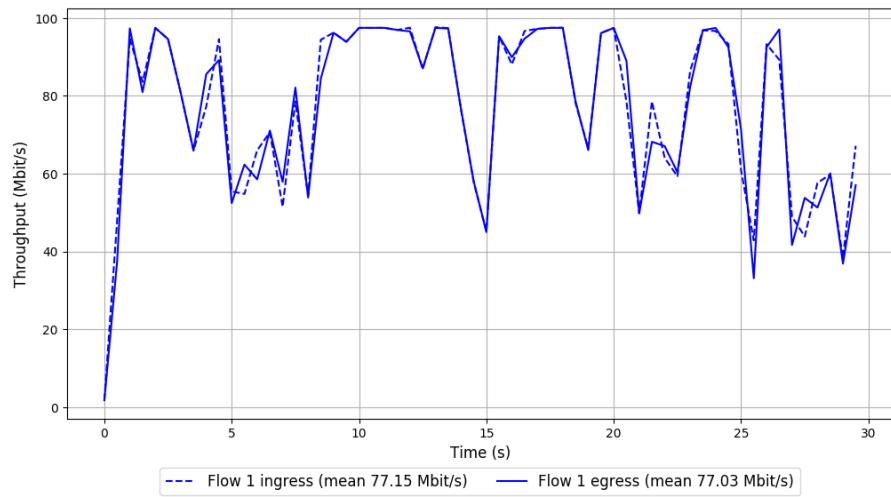


Run 9: Statistics of Verus

```
Start at: 2017-08-21 20:36:31
End at: 2017-08-21 20:37:01
Local clock offset: -0.09 ms
Remote clock offset: -0.615 ms

# Below is generated by plot.py at 2017-08-22 01:08:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.03 Mbit/s
95th percentile per-packet one-way delay: 53.843 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 77.03 Mbit/s
95th percentile per-packet one-way delay: 53.843 ms
Loss rate: 0.40%
```

Run 9: Report of Verus — Data Link

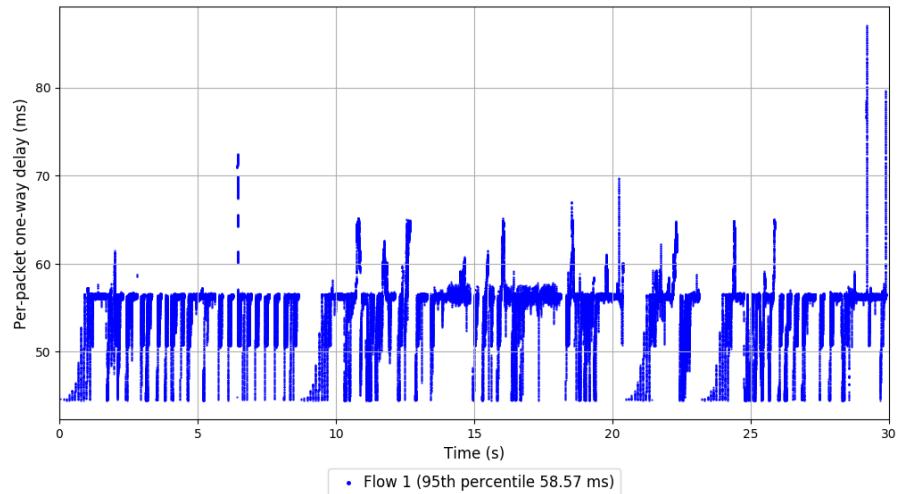
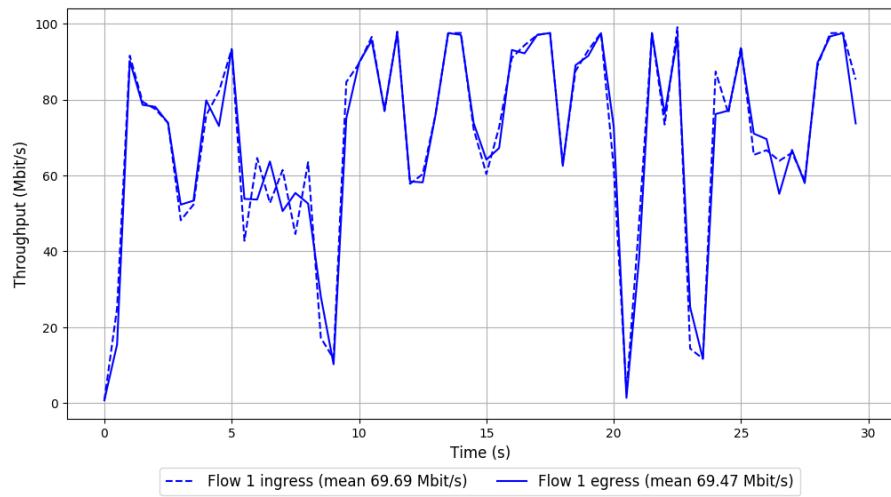


Run 10: Statistics of Verus

```
Start at: 2017-08-21 20:56:46
End at: 2017-08-21 20:57:16
Local clock offset: 0.003 ms
Remote clock offset: -2.919 ms

# Below is generated by plot.py at 2017-08-22 01:08:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: 58.574 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 69.47 Mbit/s
95th percentile per-packet one-way delay: 58.574 ms
Loss rate: 0.65%
```

Run 10: Report of Verus — Data Link

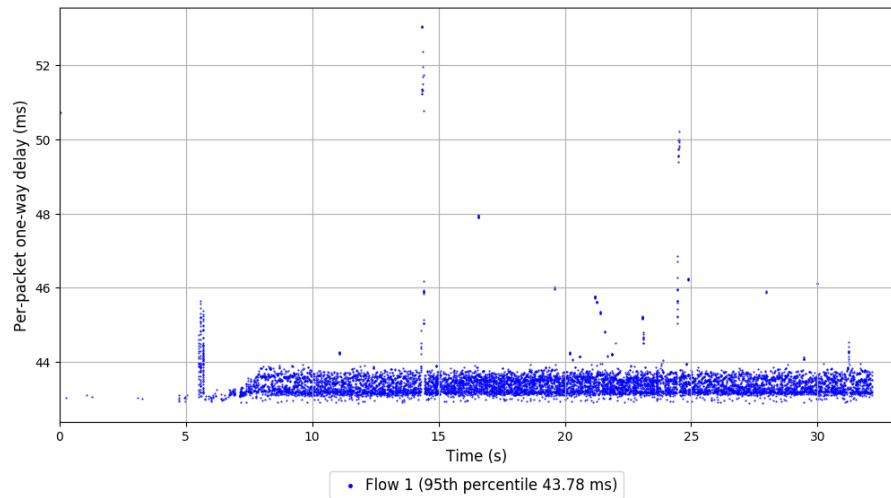
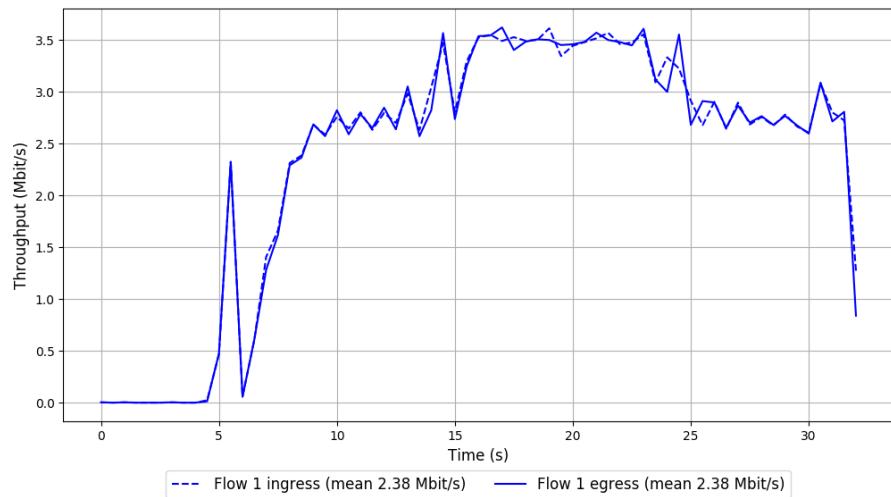


```
Run 1: Statistics of WebRTC media

Start at: 2017-08-21 17:50:04
End at: 2017-08-21 17:50:34
Local clock offset: 0.538 ms
Remote clock offset: -3.914 ms

# Below is generated by plot.py at 2017-08-22 01:08:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 43.783 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 43.783 ms
Loss rate: 0.53%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

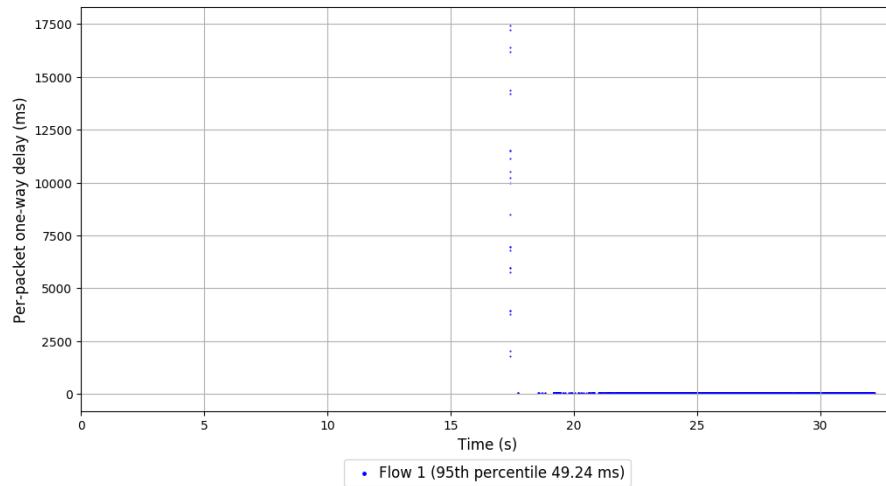
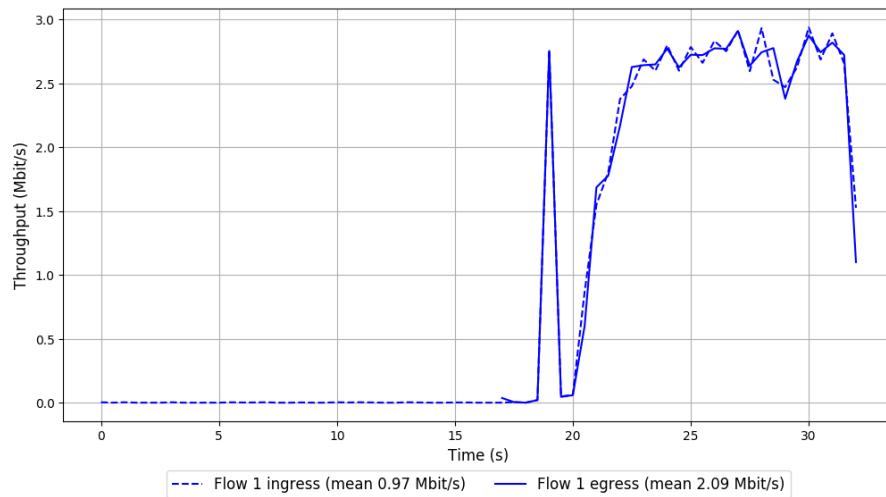
Start at: 2017-08-21 18:11:04

End at: 2017-08-21 18:11:34

Local clock offset: 0.345 ms

Remote clock offset: -8.003 ms

## Run 2: Report of WebRTC media — Data Link

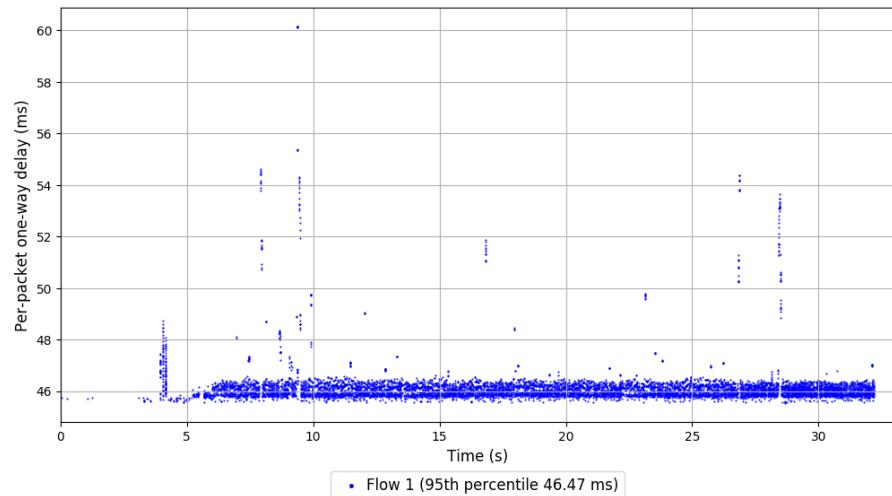
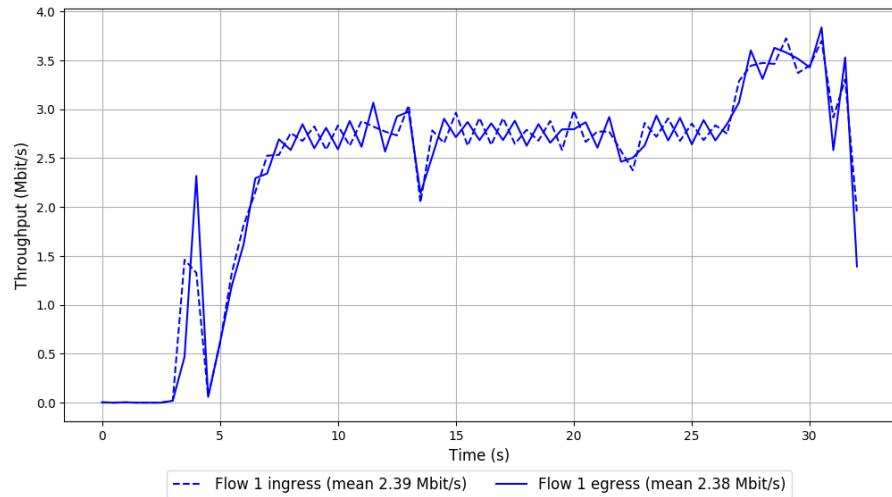


Run 3: Statistics of WebRTC media

```
Start at: 2017-08-21 18:31:17
End at: 2017-08-21 18:31:47
Local clock offset: 0.446 ms
Remote clock offset: -5.501 ms

# Below is generated by plot.py at 2017-08-22 01:08:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 46.471 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 46.471 ms
Loss rate: 0.57%
```

Run 3: Report of WebRTC media — Data Link

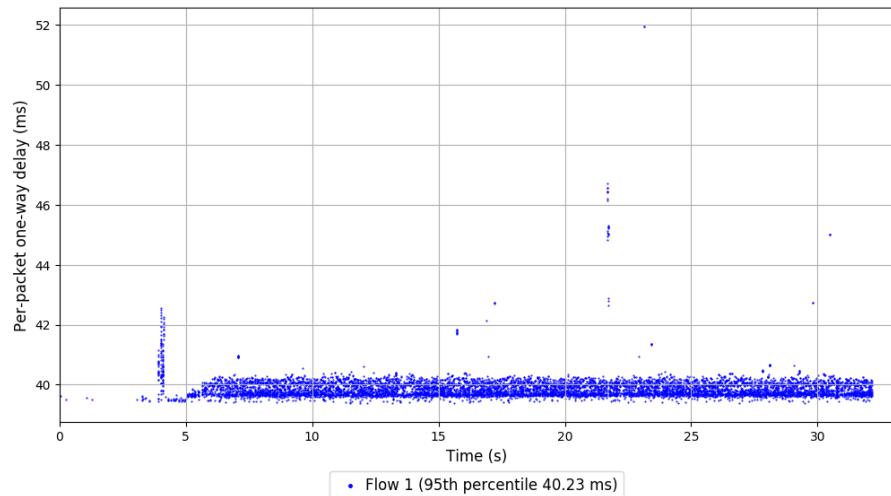
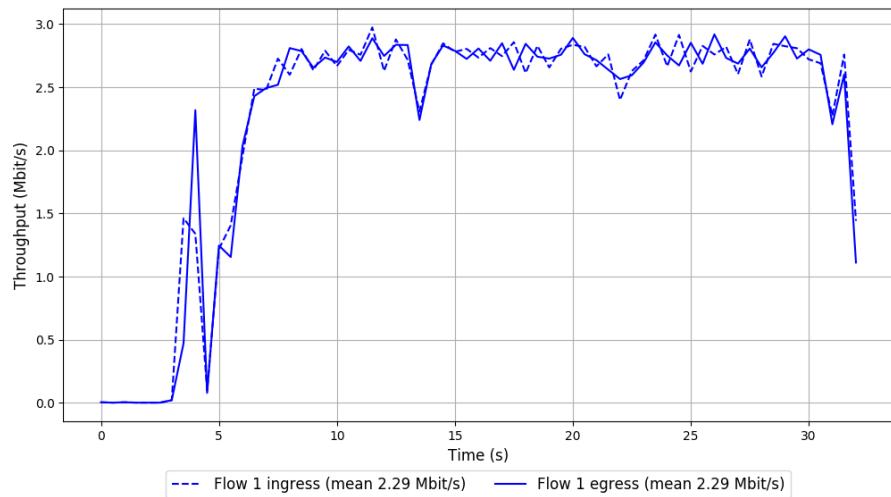


Run 4: Statistics of WebRTC media

```
Start at: 2017-08-21 18:51:22
End at: 2017-08-21 18:51:52
Local clock offset: 0.355 ms
Remote clock offset: 0.988 ms

# Below is generated by plot.py at 2017-08-22 01:08:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 40.229 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 40.229 ms
Loss rate: 0.47%
```

Run 4: Report of WebRTC media — Data Link

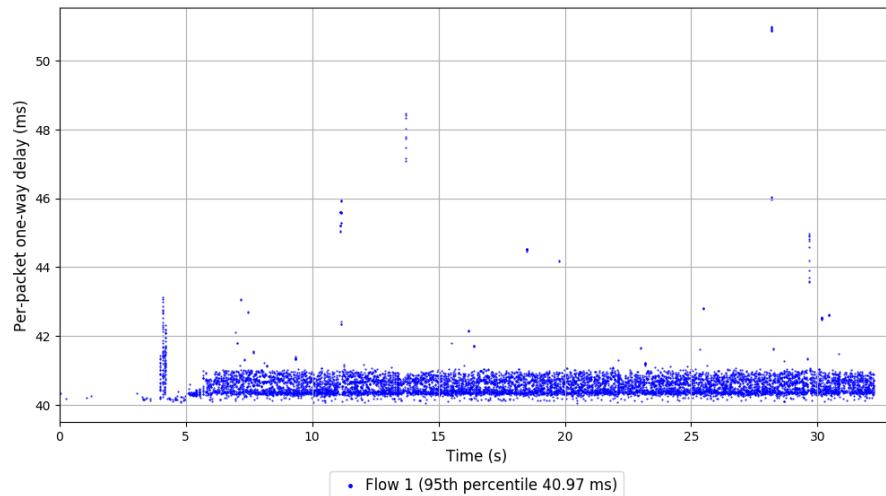
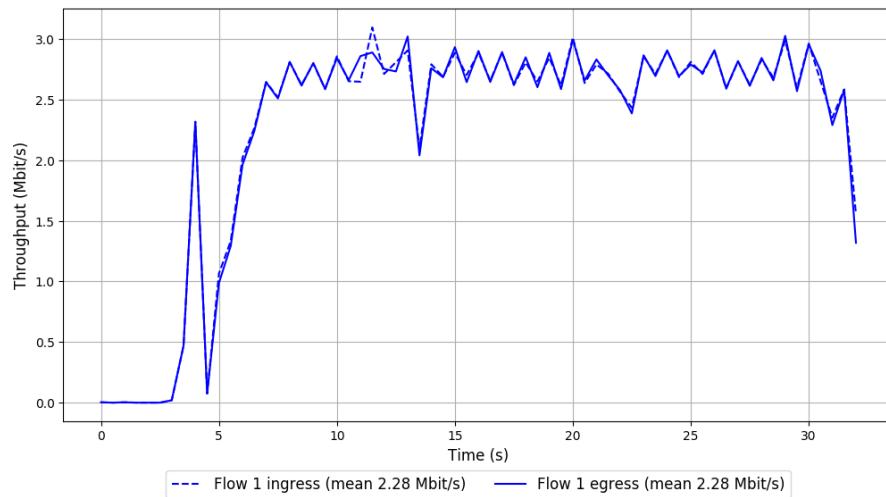


Run 5: Statistics of WebRTC media

```
Start at: 2017-08-21 19:12:13
End at: 2017-08-21 19:12:43
Local clock offset: 0.352 ms
Remote clock offset: 1.18 ms

# Below is generated by plot.py at 2017-08-22 01:08:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 40.968 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 40.968 ms
Loss rate: 0.30%
```

Run 5: Report of WebRTC media — Data Link

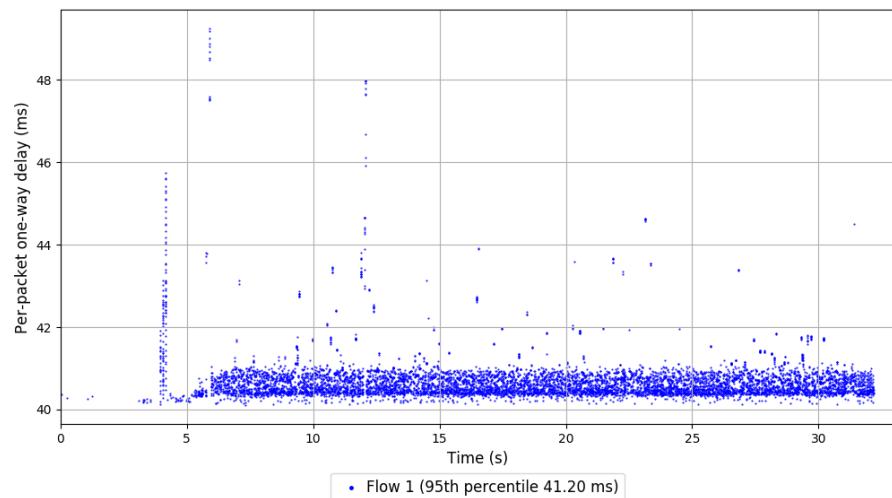
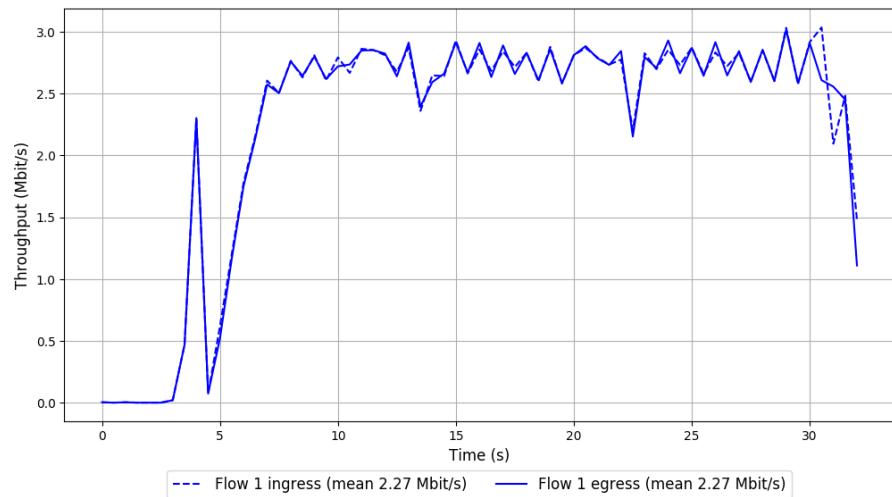


Run 6: Statistics of WebRTC media

```
Start at: 2017-08-21 19:32:35
End at: 2017-08-21 19:33:05
Local clock offset: 0.349 ms
Remote clock offset: 1.489 ms

# Below is generated by plot.py at 2017-08-22 01:08:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 41.196 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 41.196 ms
Loss rate: 0.41%
```

Run 6: Report of WebRTC media — Data Link

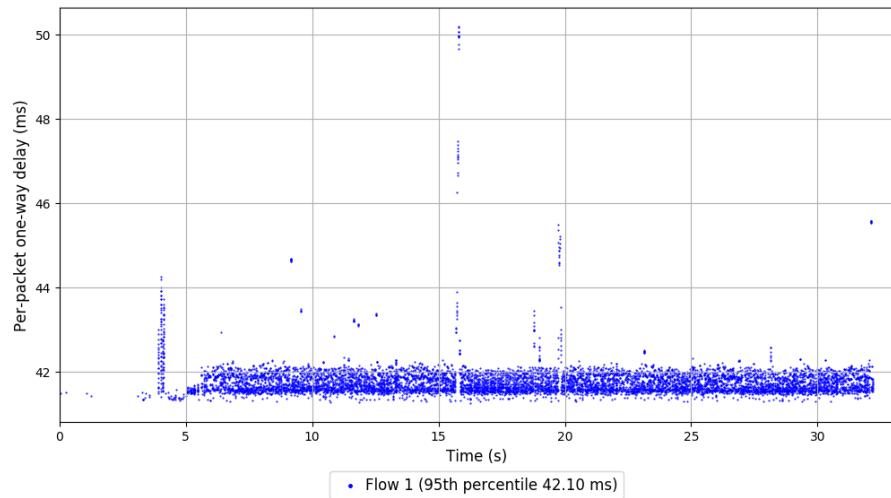
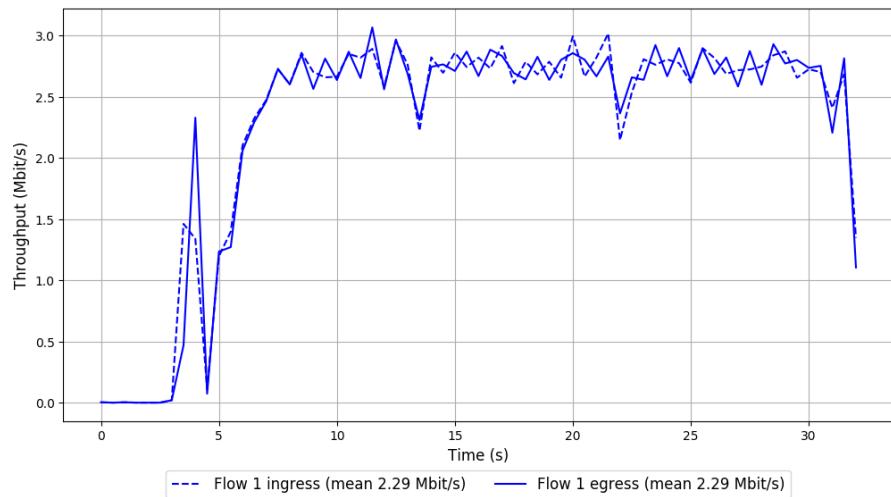


Run 7: Statistics of WebRTC media

```
Start at: 2017-08-21 19:53:15
End at: 2017-08-21 19:53:45
Local clock offset: 0.144 ms
Remote clock offset: -0.602 ms

# Below is generated by plot.py at 2017-08-22 01:08:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 42.105 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 42.105 ms
Loss rate: 0.34%
```

Run 7: Report of WebRTC media — Data Link

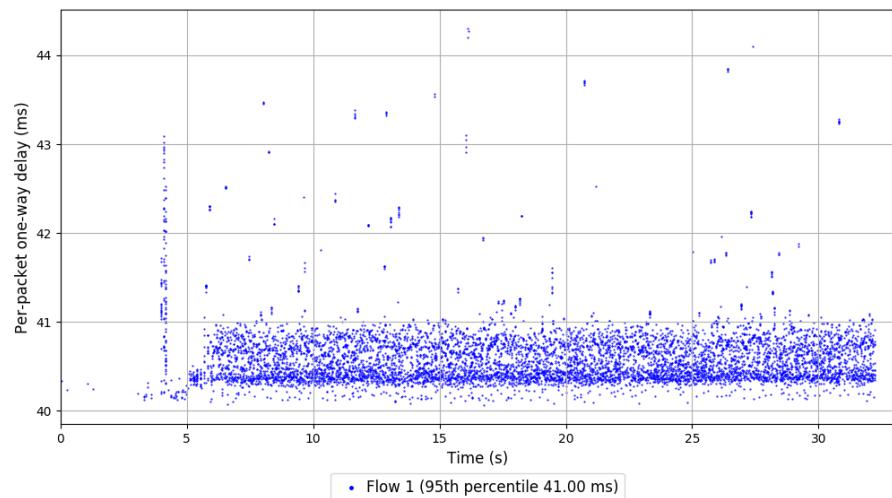
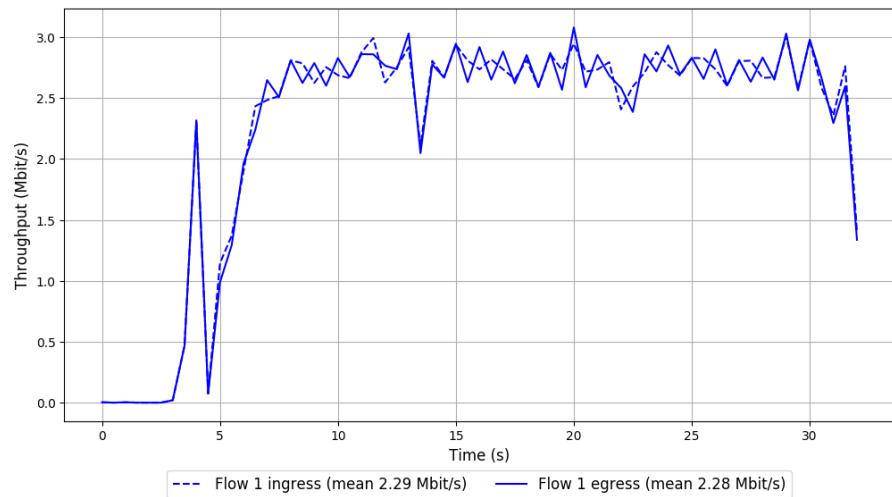


Run 8: Statistics of WebRTC media

```
Start at: 2017-08-21 20:13:37
End at: 2017-08-21 20:14:07
Local clock offset: 0.052 ms
Remote clock offset: 1.504 ms

# Below is generated by plot.py at 2017-08-22 01:08:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 40.999 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 40.999 ms
Loss rate: 0.30%
```

Run 8: Report of WebRTC media — Data Link

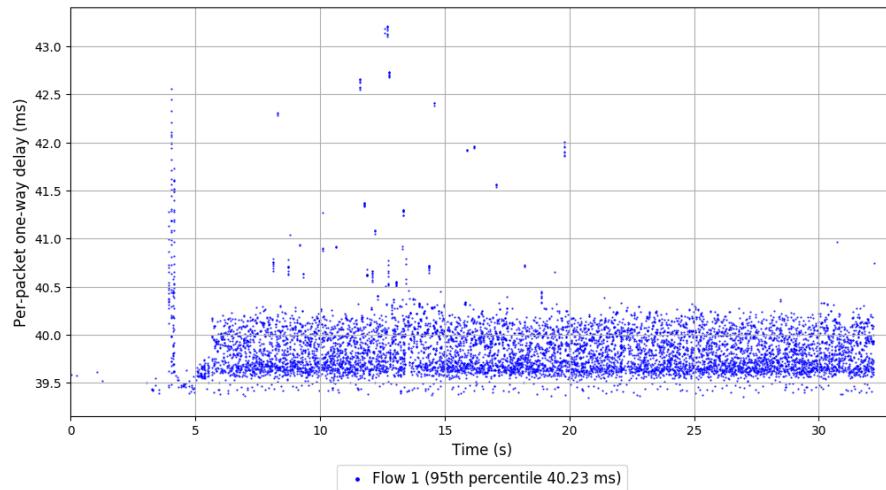
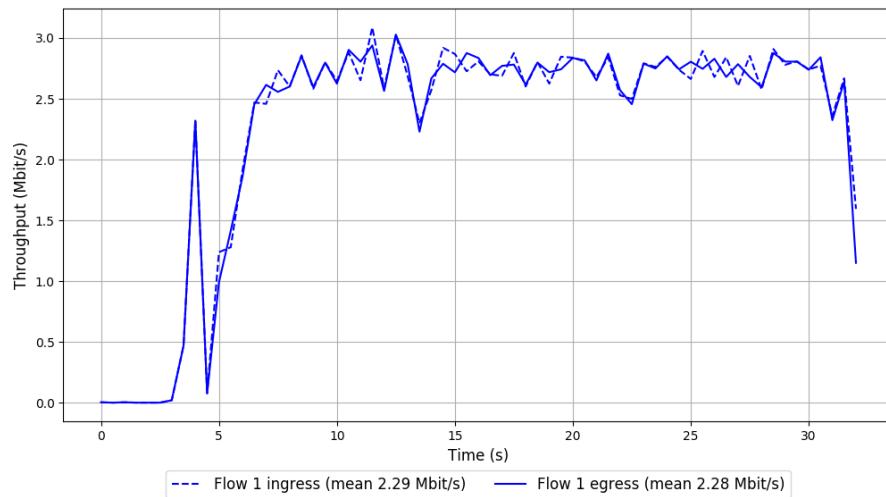


Run 9: Statistics of WebRTC media

```
Start at: 2017-08-21 20:33:51
End at: 2017-08-21 20:34:21
Local clock offset: -0.103 ms
Remote clock offset: 1.457 ms

# Below is generated by plot.py at 2017-08-22 01:08:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 40.234 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 40.234 ms
Loss rate: 0.45%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2017-08-21 20:54:05
End at: 2017-08-21 20:54:35
Local clock offset: -0.002 ms
Remote clock offset: -3.454 ms

# Below is generated by plot.py at 2017-08-22 01:08:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 45.726 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 45.726 ms
Loss rate: 0.44%
```

Run 10: Report of WebRTC media — Data Link

