

## Pantheon Report

Generated at 2017-11-30 17:23:52 (UTC).

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

Repeated the test of 14 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).

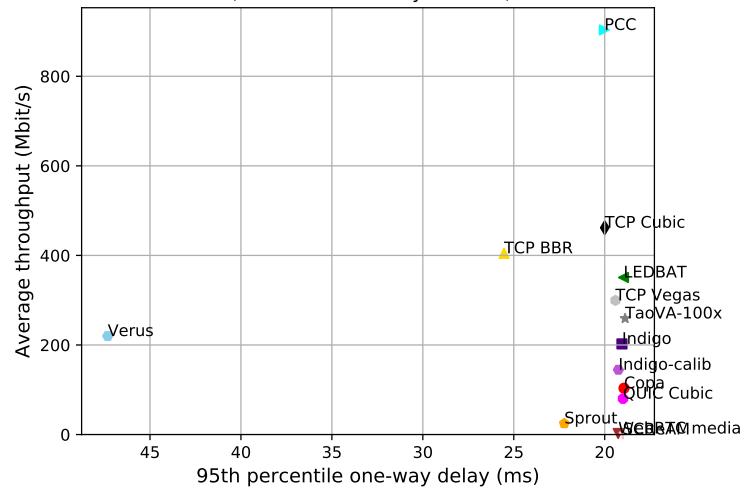
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

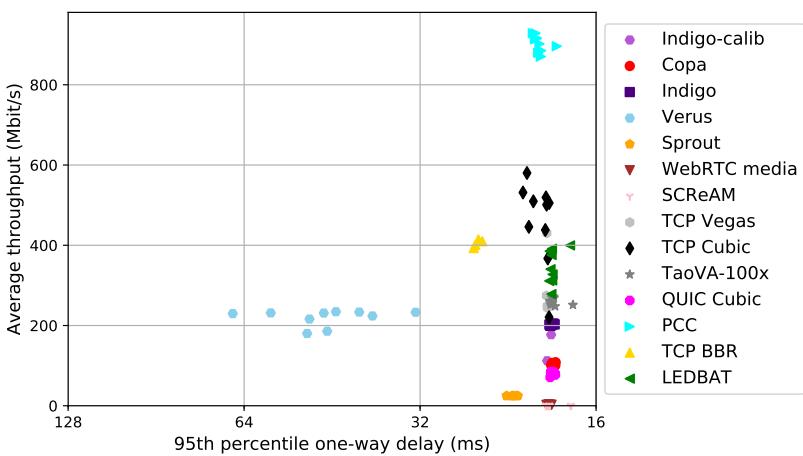
Git summary:

```
branch: indigos @ e3a57ad5ac5cfaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
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 @ f1a14bffe749737437f61b1eaeb30b267cde681
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 AWS California 1 Ethernet to Stanford Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



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



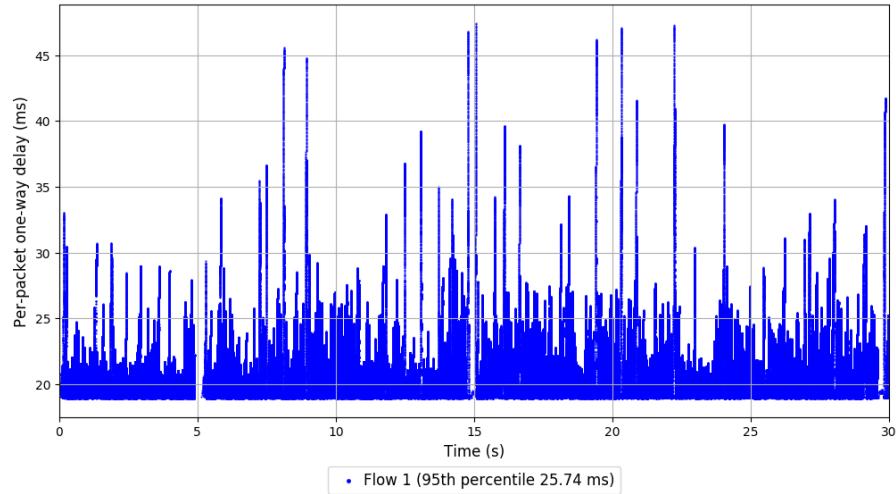
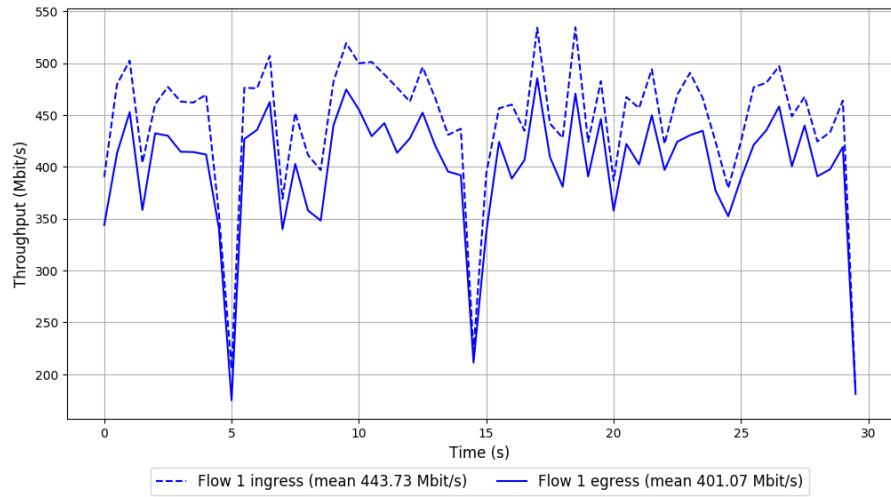
| scheme       | # runs | mean avg tput (Mbit/s)<br>flow 1 | mean 95th-%ile delay (ms)<br>flow 1 | mean loss rate (%)<br>flow 1 |
|--------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR      | 4      | 404.72                           | 25.53                               | 8.72                         |
| TCP Cubic    | 10     | 461.88                           | 20.00                               | 0.07                         |
| LEDBAT       | 10     | 350.69                           | 18.97                               | 0.01                         |
| PCC          | 10     | 903.43                           | 20.02                               | 0.27                         |
| QUIC Cubic   | 10     | 80.18                            | 18.99                               | 0.00                         |
| SCReAM       | 10     | 0.22                             | 19.00                               | 0.00                         |
| WebRTC media | 10     | 2.33                             | 19.26                               | 0.01                         |
| Sprout       | 9      | 24.70                            | 22.22                               | 0.00                         |
| TaoVA-100x   | 10     | 259.25                           | 18.88                               | 0.01                         |
| TCP Vegas    | 4      | 299.48                           | 19.41                               | 0.01                         |
| Verus        | 10     | 219.91                           | 47.33                               | 17.22                        |
| Copa         | 10     | 103.49                           | 18.94                               | 0.00                         |
| Indigo       | 10     | 202.39                           | 19.05                               | 0.00                         |
| Indigo-calib | 2      | 144.67                           | 19.25                               | 0.00                         |

Run 1: Statistics of TCP BBR

```
Start at: 2017-11-30 11:57:45
End at: 2017-11-30 11:58:15
Local clock offset: -0.095 ms
Remote clock offset: -1.285 ms

# Below is generated by plot.py at 2017-11-30 16:26:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 401.07 Mbit/s
95th percentile per-packet one-way delay: 25.740 ms
Loss rate: 9.61%
-- Flow 1:
Average throughput: 401.07 Mbit/s
95th percentile per-packet one-way delay: 25.740 ms
Loss rate: 9.61%
```

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

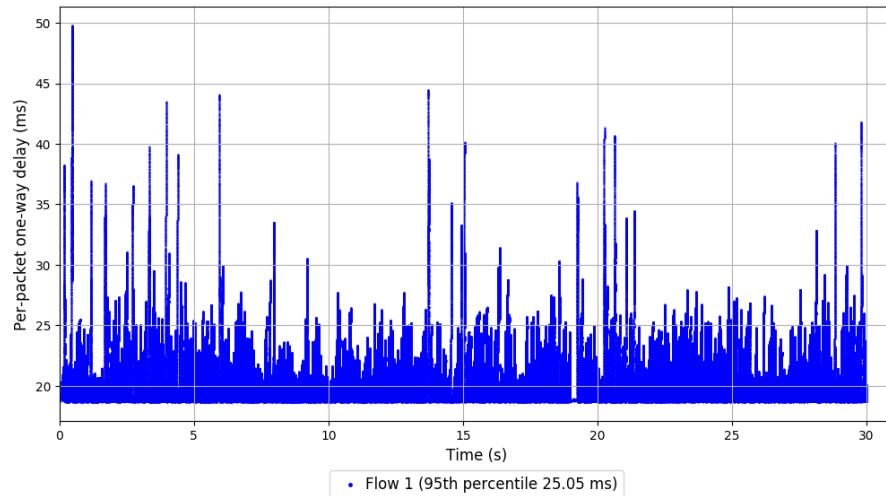
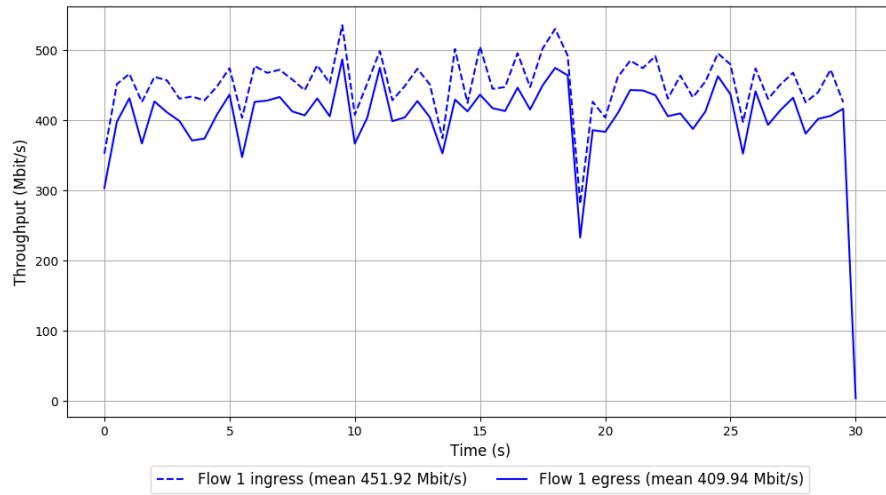


Run 2: Statistics of TCP BBR

```
Start at: 2017-11-30 12:16:27
End at: 2017-11-30 12:16:57
Local clock offset: 0.087 ms
Remote clock offset: -1.675 ms

# Below is generated by plot.py at 2017-11-30 16:26:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 409.94 Mbit/s
95th percentile per-packet one-way delay: 25.052 ms
Loss rate: 9.29%
-- Flow 1:
Average throughput: 409.94 Mbit/s
95th percentile per-packet one-way delay: 25.052 ms
Loss rate: 9.29%
```

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



Run 3: Statistics of TCP BBR

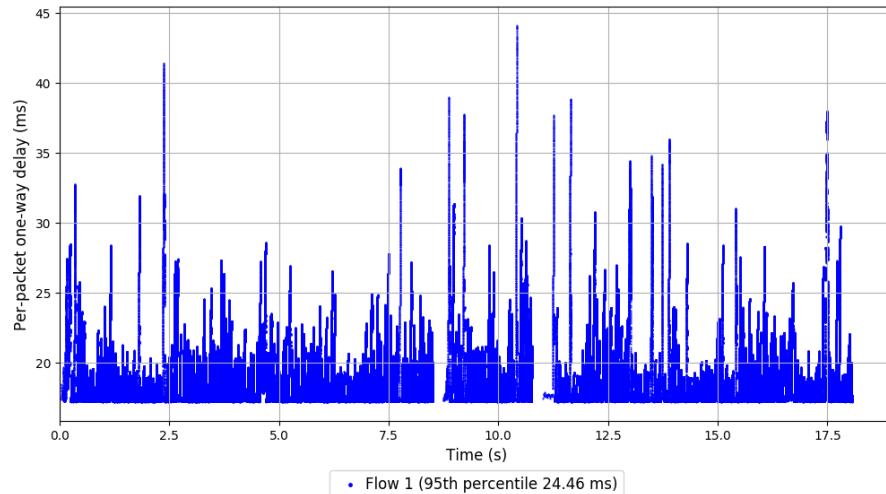
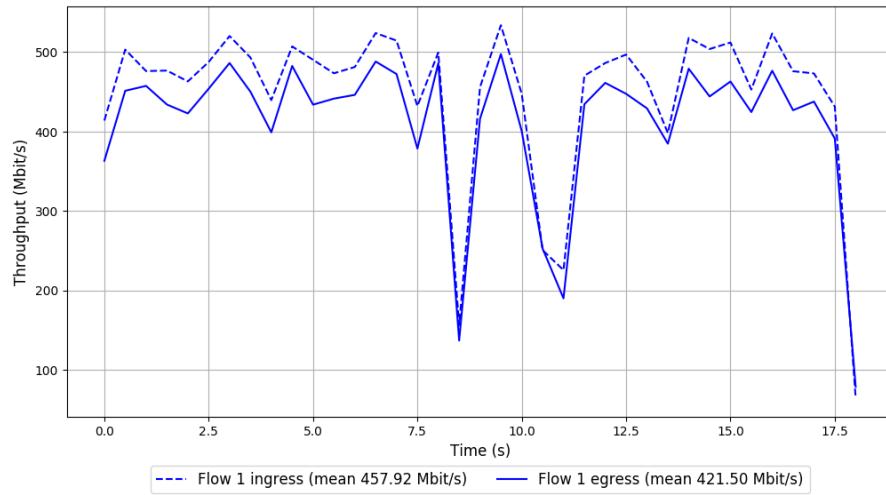
Start at: 2017-11-30 12:35:12

End at: 2017-11-30 12:35:42

Local clock offset: 0.111 ms

Remote clock offset: -1.782 ms

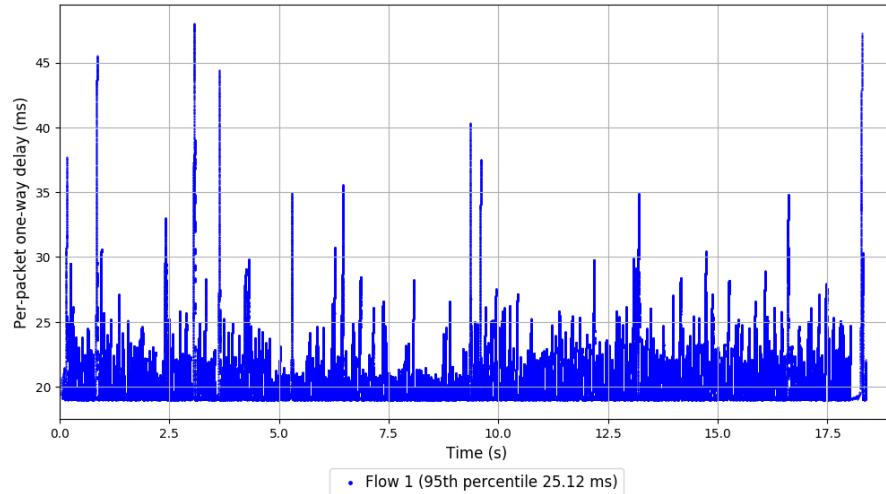
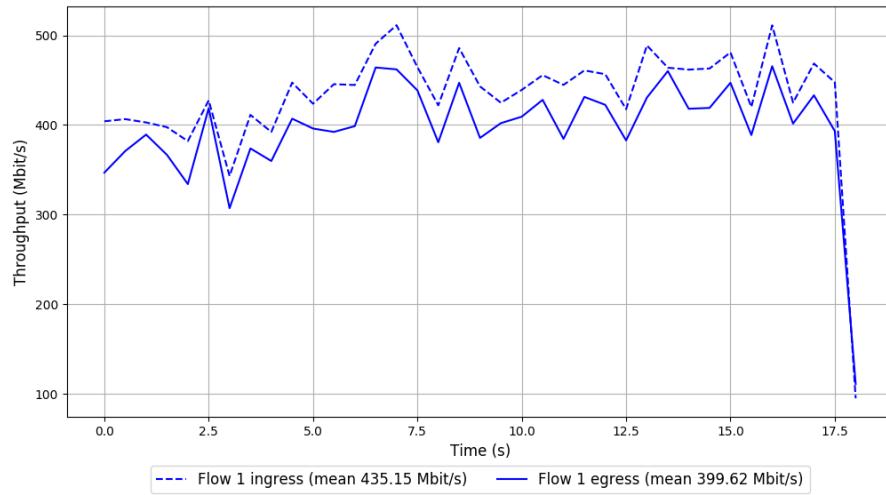
### Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-11-30 12:54:09  
End at: 2017-11-30 12:54:39  
Local clock offset: -0.012 ms  
Remote clock offset: -1.982 ms

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



Run 5: Statistics of TCP BBR

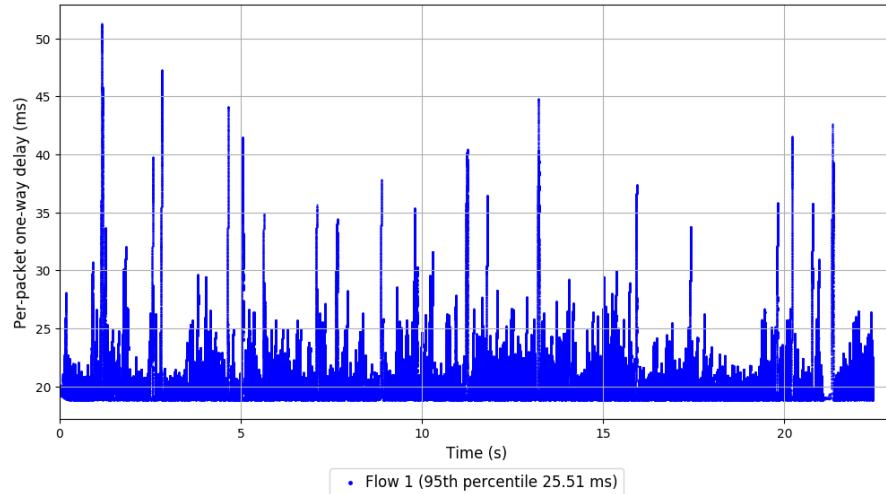
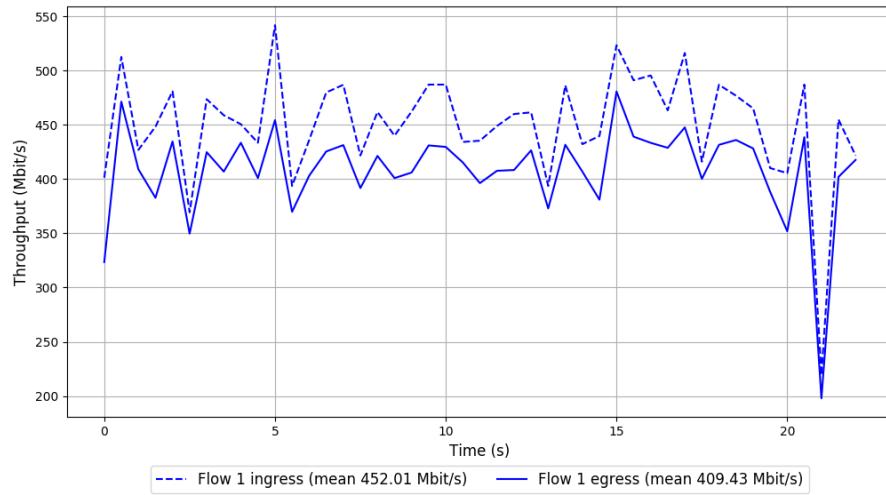
Start at: 2017-11-30 13:12:45

End at: 2017-11-30 13:13:15

Local clock offset: -0.042 ms

Remote clock offset: -1.64 ms

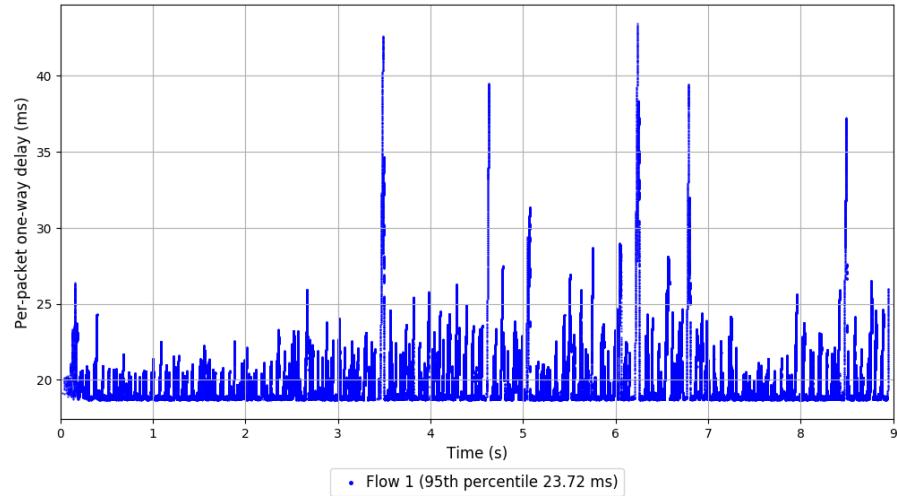
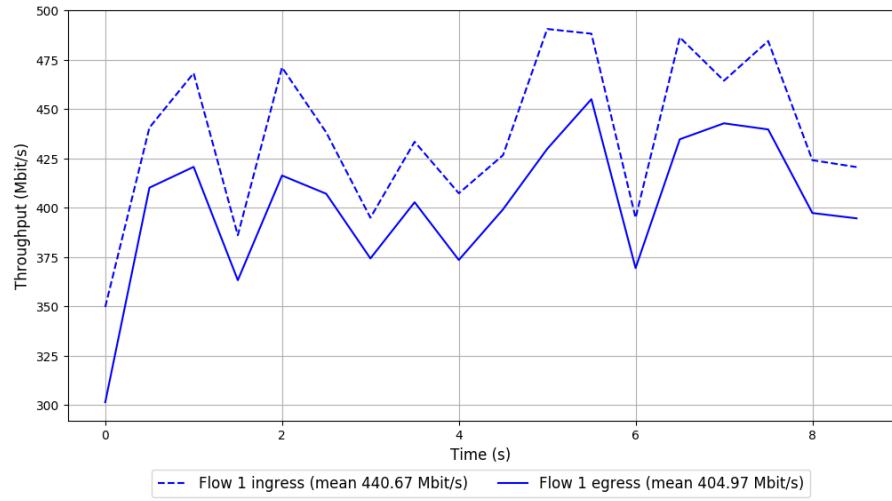
### Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-11-30 13:31:27  
End at: 2017-11-30 13:31:57  
Local clock offset: 0.125 ms  
Remote clock offset: -1.54 ms

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

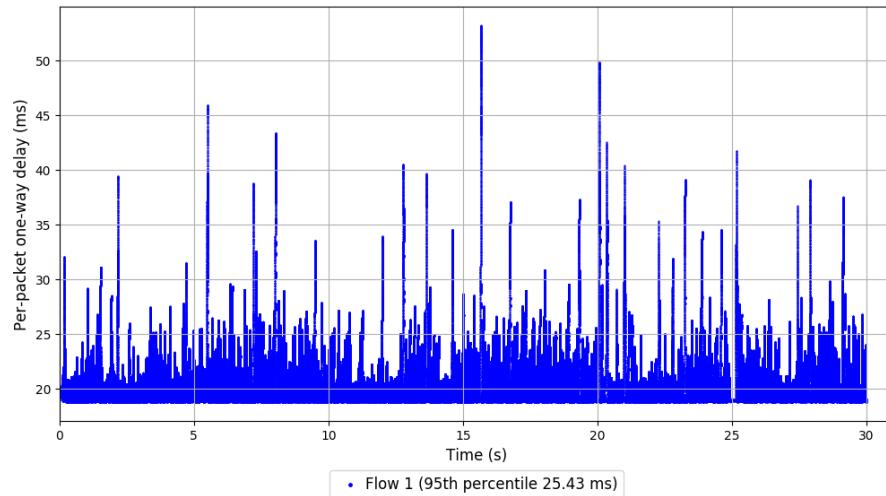
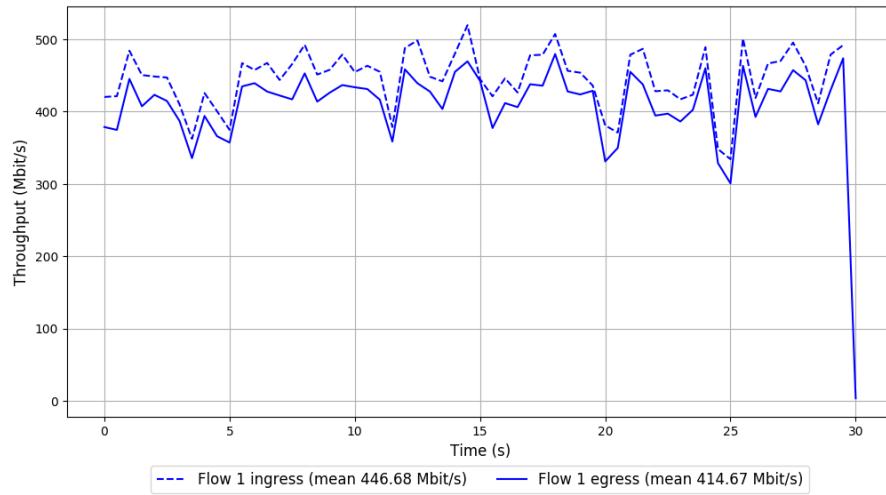


Run 7: Statistics of TCP BBR

```
Start at: 2017-11-30 13:49:47
End at: 2017-11-30 13:50:17
Local clock offset: 0.053 ms
Remote clock offset: -1.488 ms

# Below is generated by plot.py at 2017-11-30 16:26:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 414.67 Mbit/s
95th percentile per-packet one-way delay: 25.434 ms
Loss rate: 7.17%
-- Flow 1:
Average throughput: 414.67 Mbit/s
95th percentile per-packet one-way delay: 25.434 ms
Loss rate: 7.17%
```

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

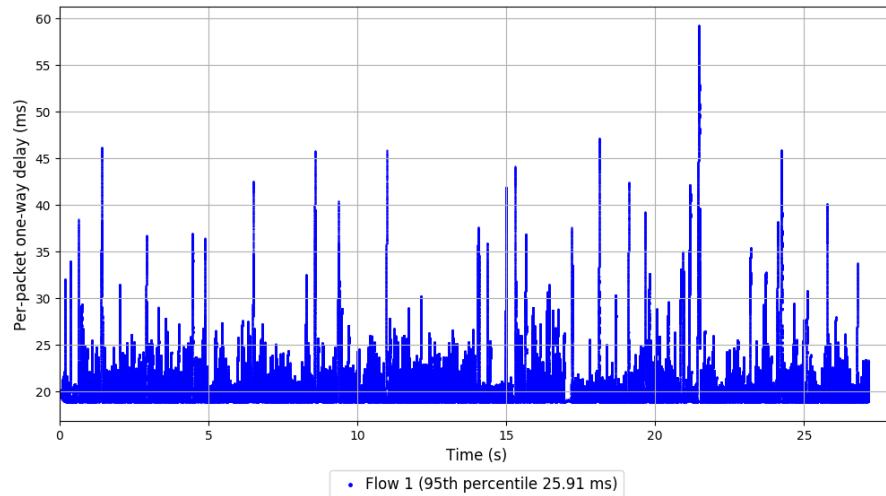
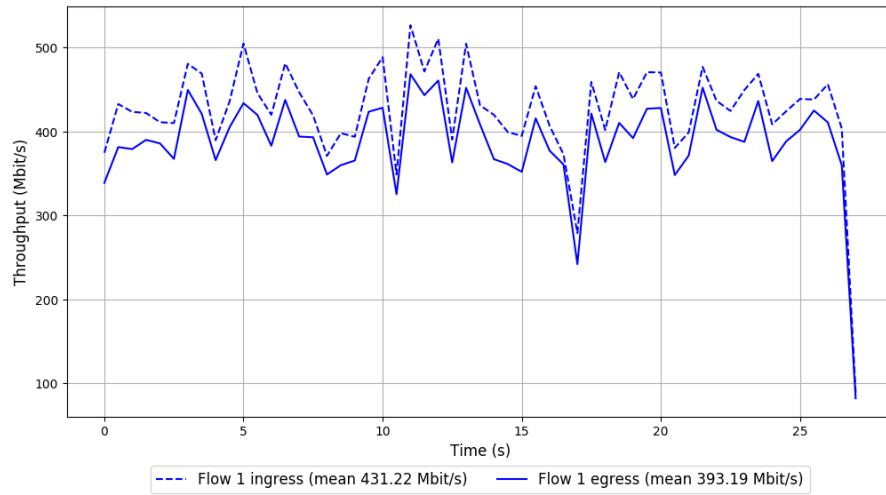


Run 8: Statistics of TCP BBR

```
Start at: 2017-11-30 14:08:51
End at: 2017-11-30 14:09:21
Local clock offset: 0.143 ms
Remote clock offset: -1.502 ms

# Below is generated by plot.py at 2017-11-30 16:26:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 393.19 Mbit/s
95th percentile per-packet one-way delay: 25.910 ms
Loss rate: 8.81%
-- Flow 1:
Average throughput: 393.19 Mbit/s
95th percentile per-packet one-way delay: 25.910 ms
Loss rate: 8.81%
```

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



Run 9: Statistics of TCP BBR

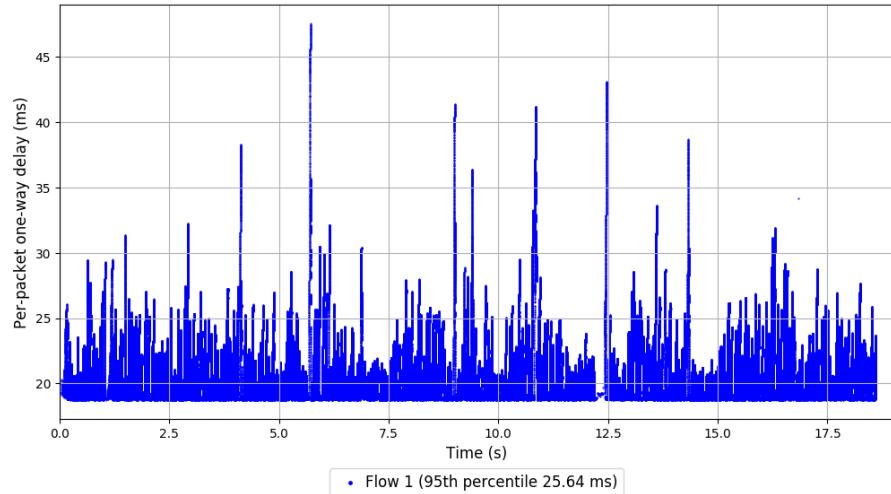
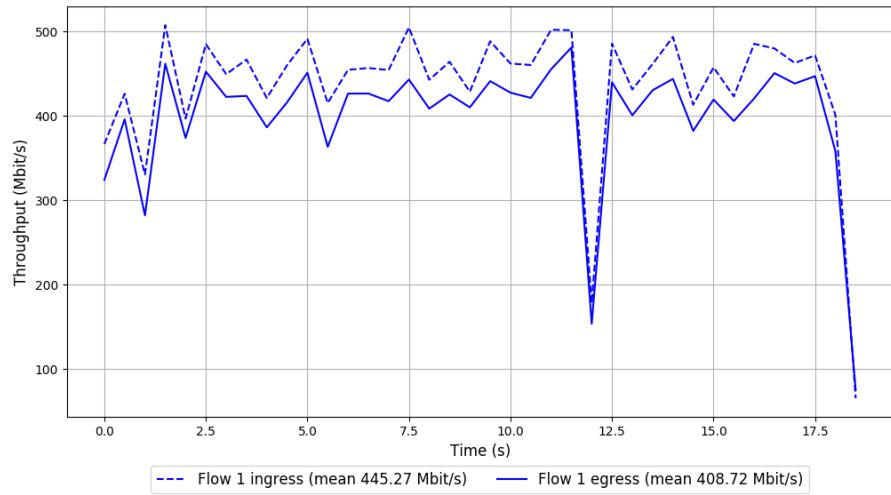
Start at: 2017-11-30 14:27:39

End at: 2017-11-30 14:28:09

Local clock offset: -0.006 ms

Remote clock offset: -1.609 ms

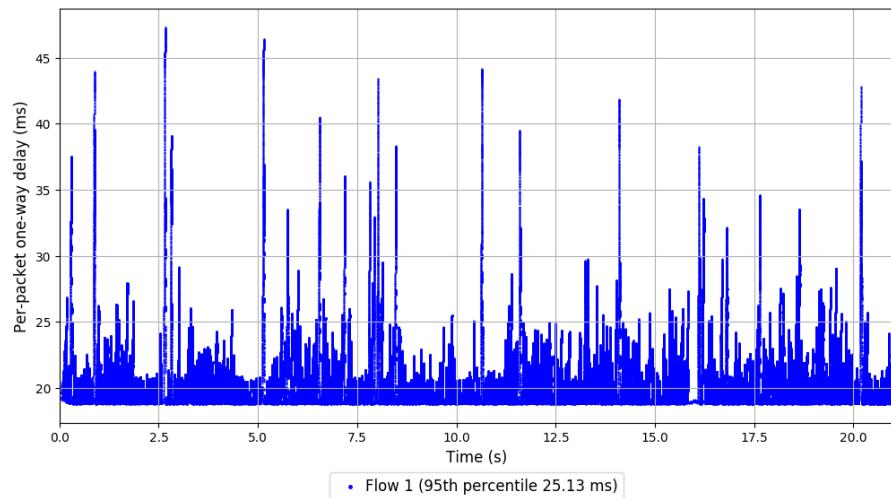
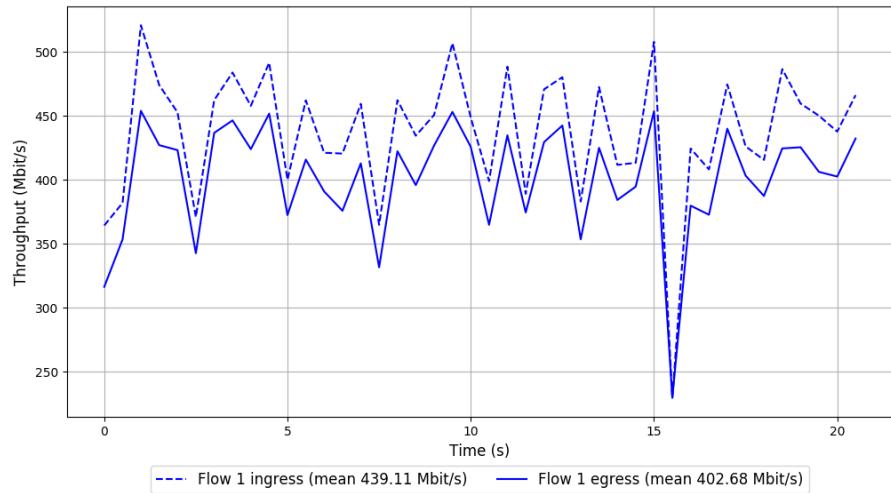
### Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-11-30 14:46:17  
End at: 2017-11-30 14:46:48  
Local clock offset: -0.085 ms  
Remote clock offset: -1.886 ms

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

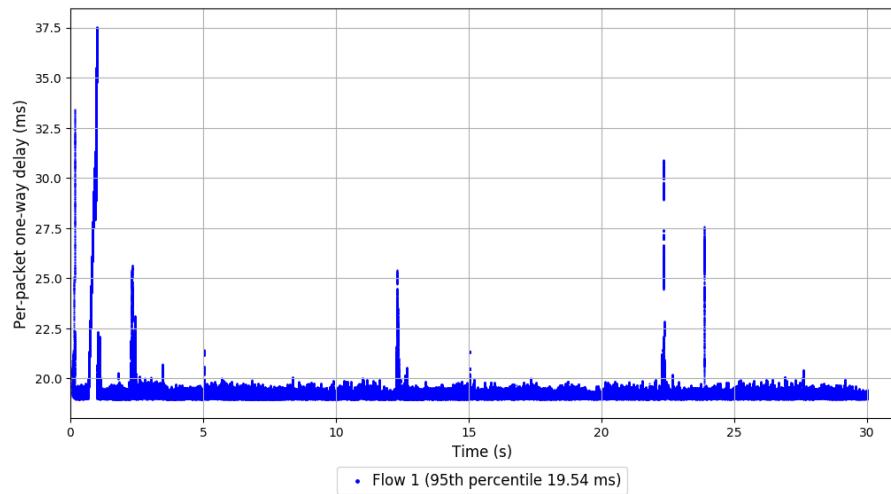
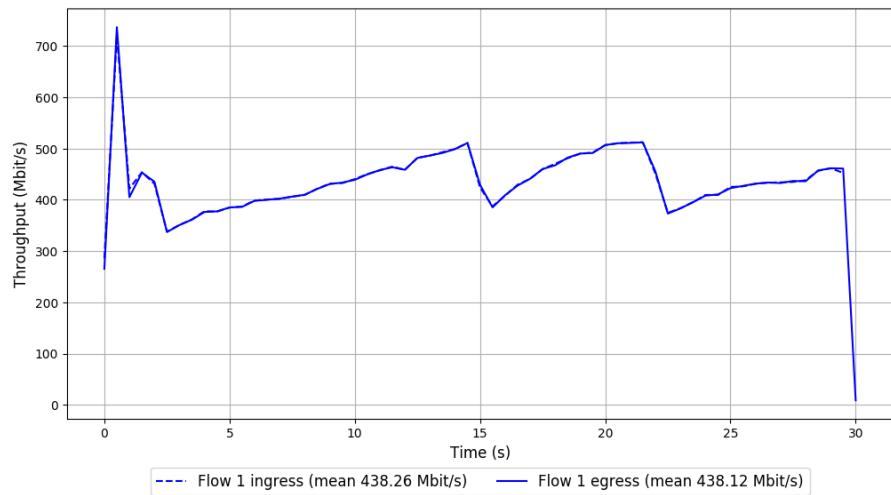


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2017-11-30 12:13:37
End at: 2017-11-30 12:14:07
Local clock offset: -0.031 ms
Remote clock offset: -1.664 ms

# Below is generated by plot.py at 2017-11-30 16:30:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 438.12 Mbit/s
95th percentile per-packet one-way delay: 19.538 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 438.12 Mbit/s
95th percentile per-packet one-way delay: 19.538 ms
Loss rate: 0.03%
```

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

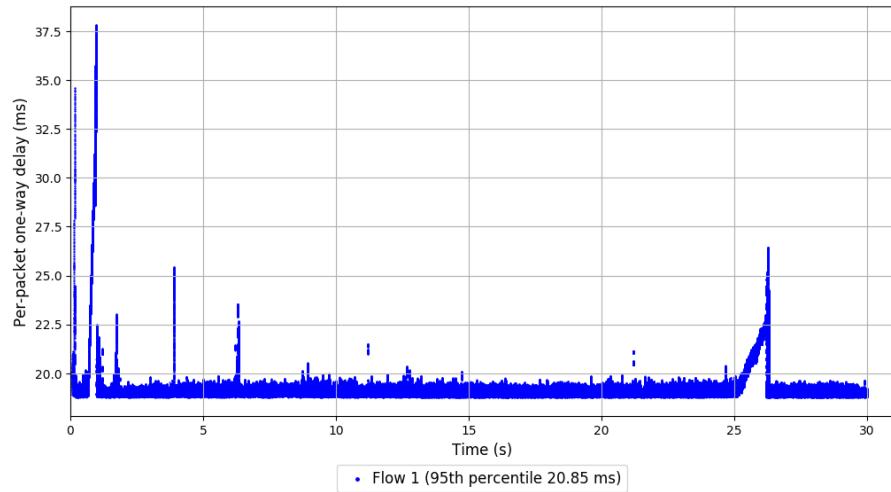
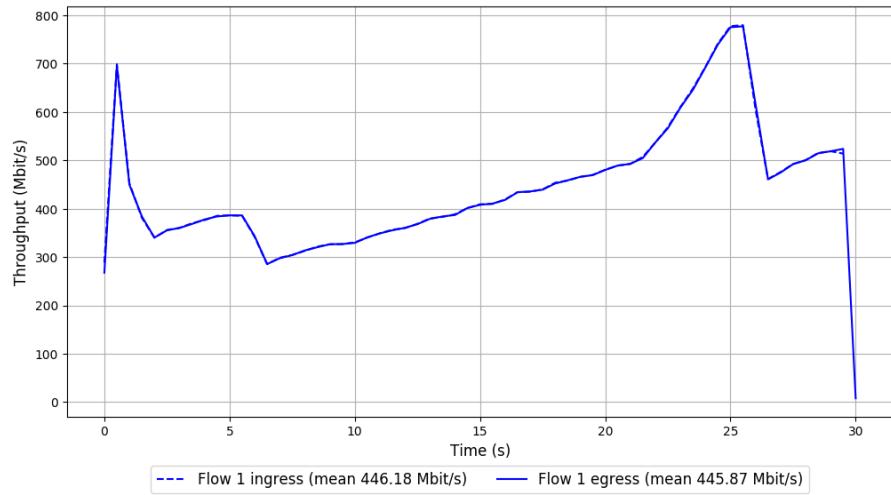


Run 2: Statistics of TCP Cubic

```
Start at: 2017-11-30 12:32:22
End at: 2017-11-30 12:32:52
Local clock offset: 0.035 ms
Remote clock offset: -1.683 ms

# Below is generated by plot.py at 2017-11-30 16:31:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 445.87 Mbit/s
95th percentile per-packet one-way delay: 20.849 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 445.87 Mbit/s
95th percentile per-packet one-way delay: 20.849 ms
Loss rate: 0.08%
```

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

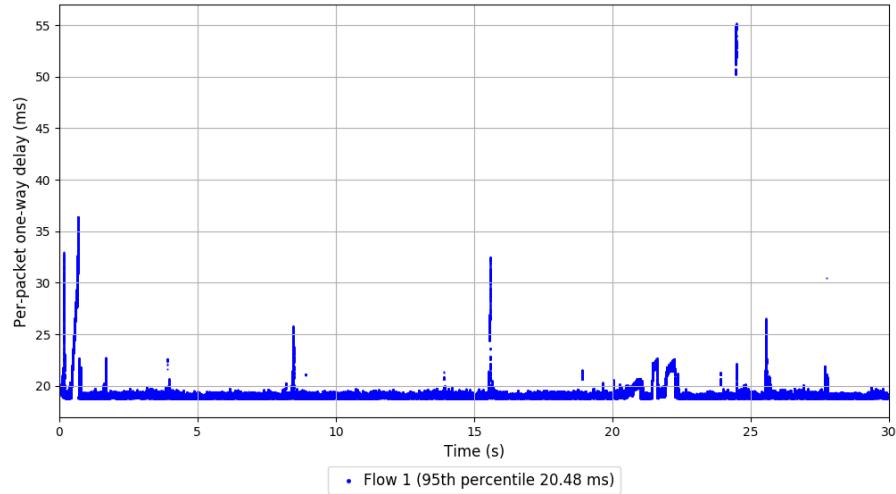
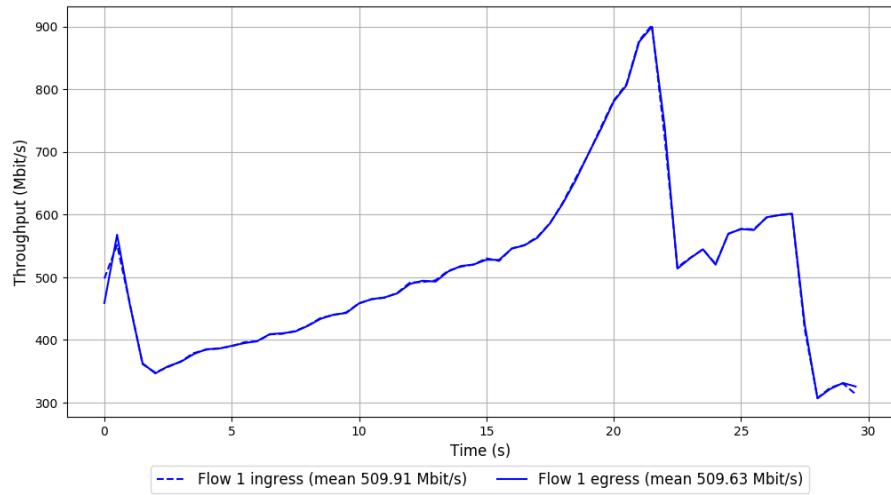


Run 3: Statistics of TCP Cubic

```
Start at: 2017-11-30 12:51:18
End at: 2017-11-30 12:51:48
Local clock offset: 0.008 ms
Remote clock offset: -1.951 ms

# Below is generated by plot.py at 2017-11-30 16:32:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 509.63 Mbit/s
95th percentile per-packet one-way delay: 20.482 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 509.63 Mbit/s
95th percentile per-packet one-way delay: 20.482 ms
Loss rate: 0.06%
```

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

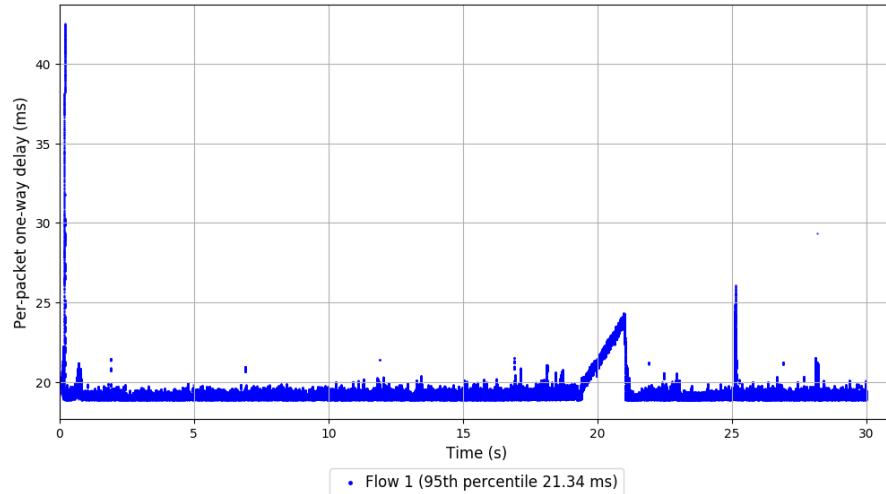
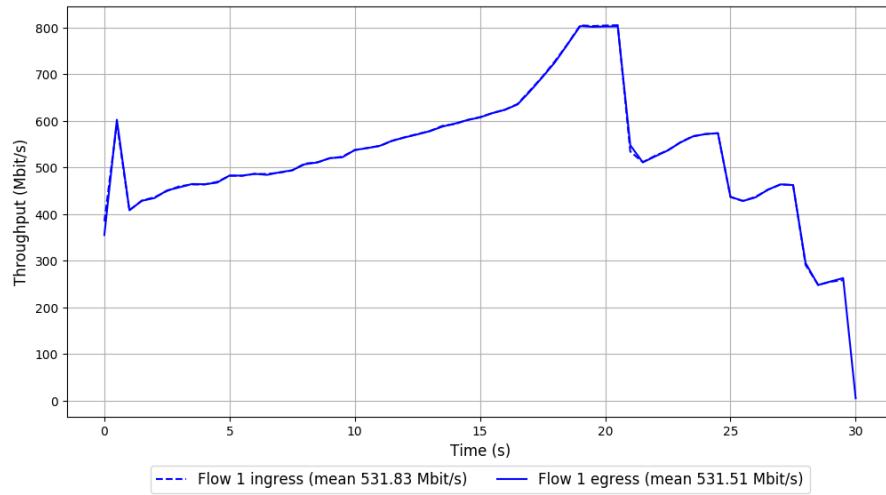


Run 4: Statistics of TCP Cubic

```
Start at: 2017-11-30 13:09:51
End at: 2017-11-30 13:10:21
Local clock offset: 0.003 ms
Remote clock offset: -1.812 ms

# Below is generated by plot.py at 2017-11-30 16:33:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 531.51 Mbit/s
95th percentile per-packet one-way delay: 21.337 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 531.51 Mbit/s
95th percentile per-packet one-way delay: 21.337 ms
Loss rate: 0.06%
```

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

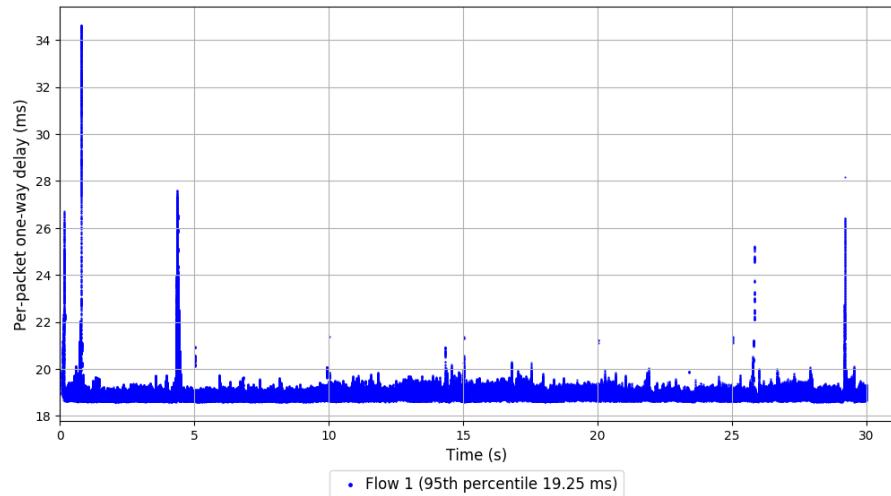
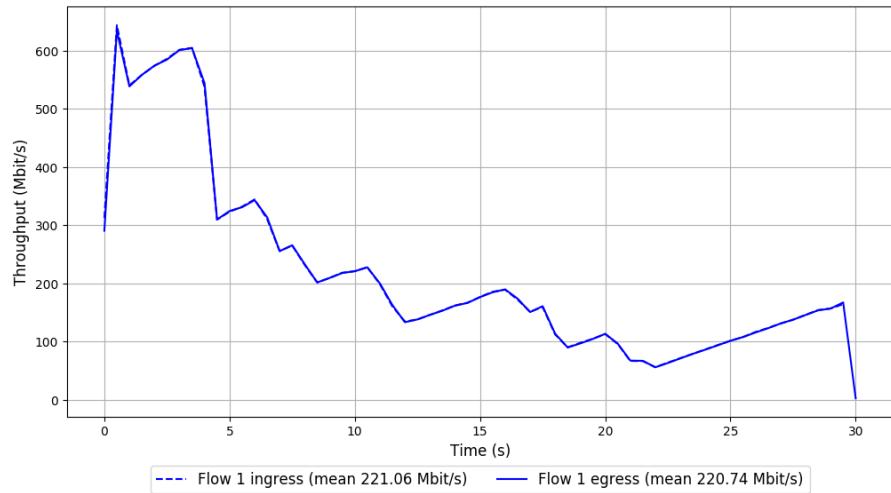


Run 5: Statistics of TCP Cubic

```
Start at: 2017-11-30 13:28:44
End at: 2017-11-30 13:29:15
Local clock offset: 0.11 ms
Remote clock offset: -1.65 ms

# Below is generated by plot.py at 2017-11-30 16:33:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 220.74 Mbit/s
95th percentile per-packet one-way delay: 19.254 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 220.74 Mbit/s
95th percentile per-packet one-way delay: 19.254 ms
Loss rate: 0.14%
```

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

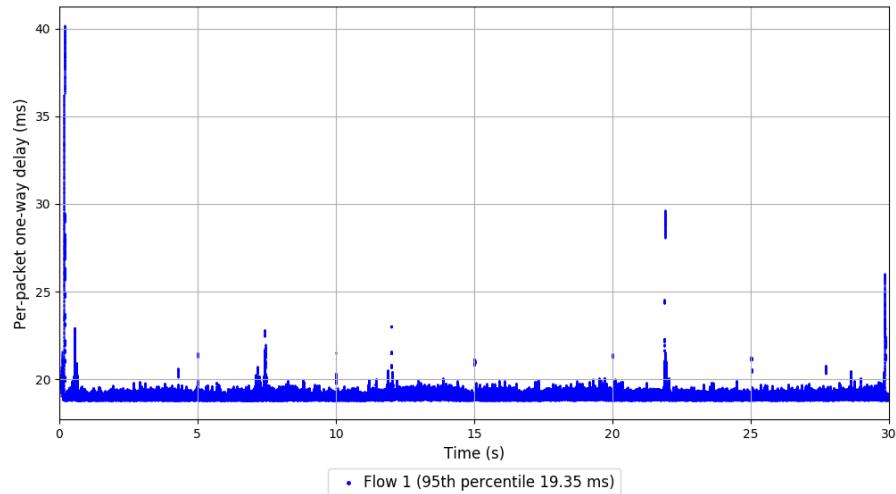
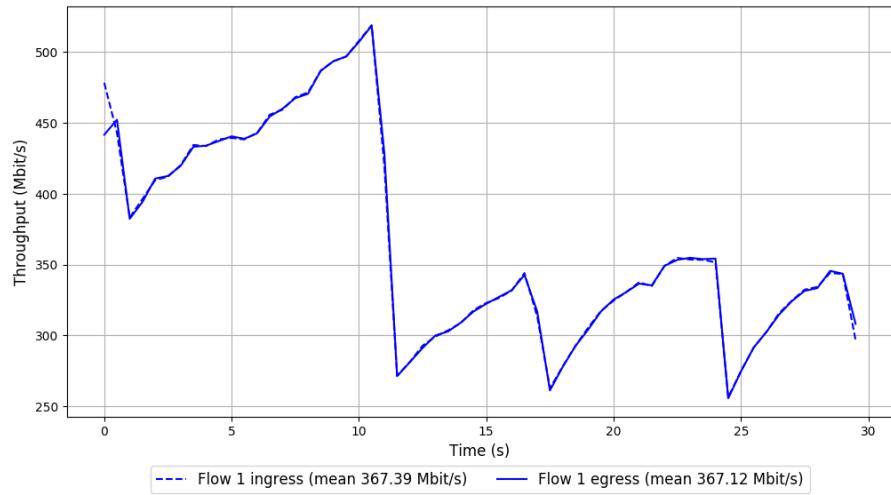


Run 6: Statistics of TCP Cubic

```
Start at: 2017-11-30 13:47:00
End at: 2017-11-30 13:47:30
Local clock offset: 0.072 ms
Remote clock offset: -1.432 ms

# Below is generated by plot.py at 2017-11-30 16:33:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 367.12 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 367.12 Mbit/s
95th percentile per-packet one-way delay: 19.353 ms
Loss rate: 0.07%
```

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

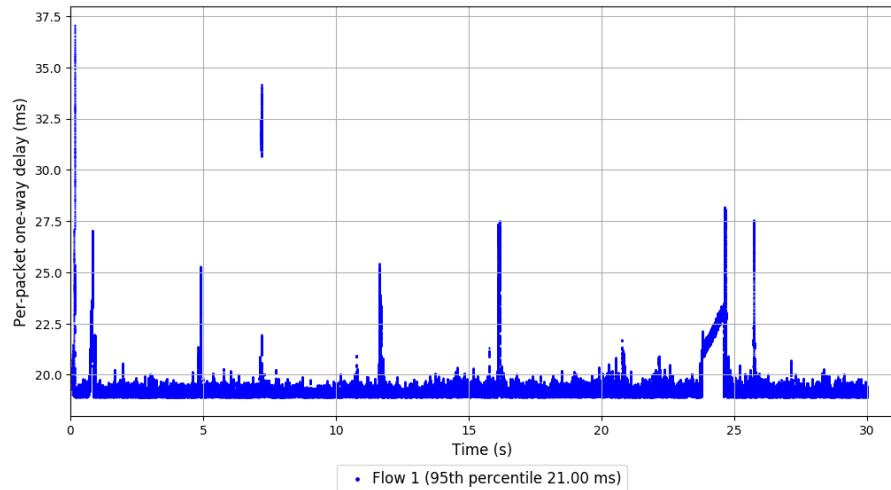
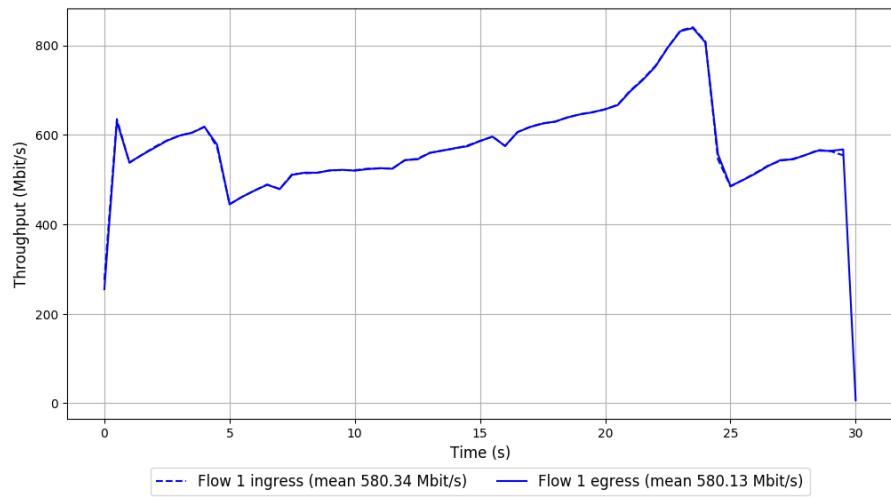


Run 7: Statistics of TCP Cubic

```
Start at: 2017-11-30 14:05:54
End at: 2017-11-30 14:06:24
Local clock offset: 0.061 ms
Remote clock offset: -1.55 ms

# Below is generated by plot.py at 2017-11-30 16:34:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 580.13 Mbit/s
95th percentile per-packet one-way delay: 21.002 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 580.13 Mbit/s
95th percentile per-packet one-way delay: 21.002 ms
Loss rate: 0.04%
```

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

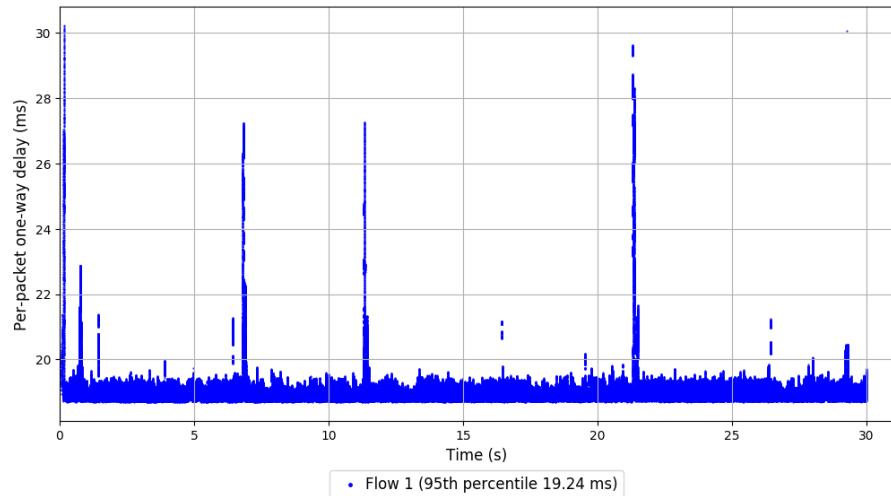
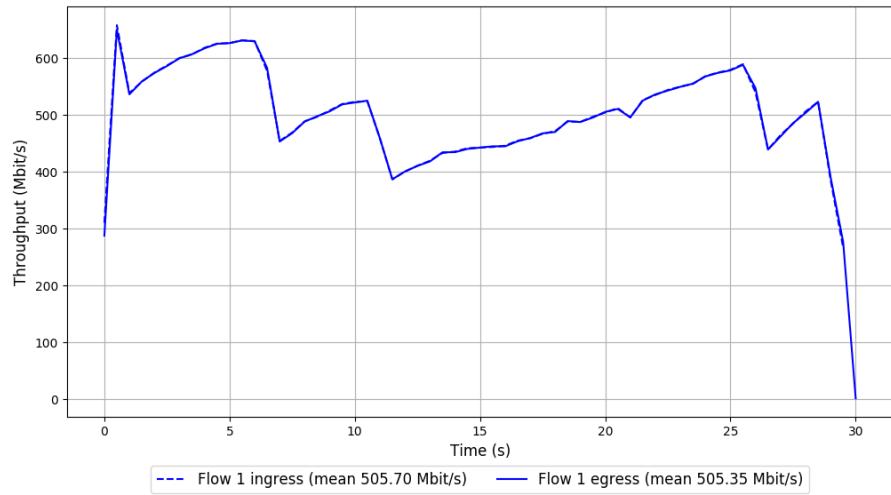


Run 8: Statistics of TCP Cubic

```
Start at: 2017-11-30 14:24:49
End at: 2017-11-30 14:25:19
Local clock offset: 0.011 ms
Remote clock offset: -1.6 ms

# Below is generated by plot.py at 2017-11-30 16:35:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 505.35 Mbit/s
95th percentile per-packet one-way delay: 19.242 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 505.35 Mbit/s
95th percentile per-packet one-way delay: 19.242 ms
Loss rate: 0.08%
```

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

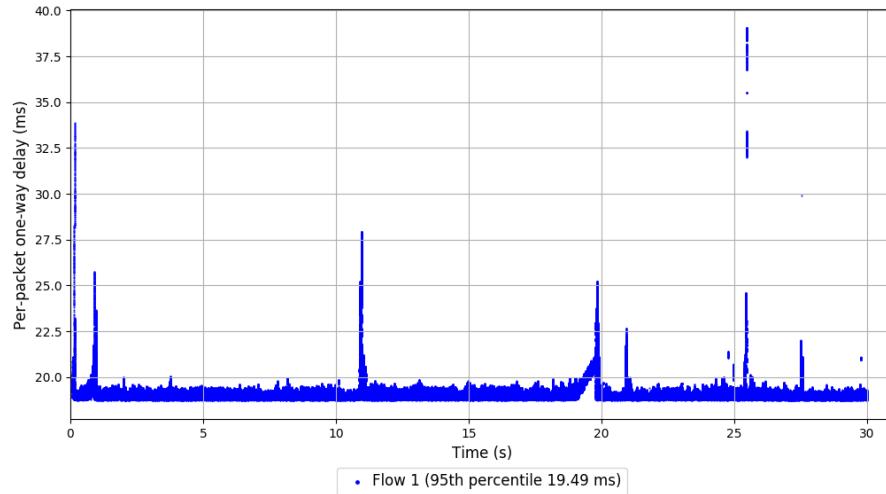
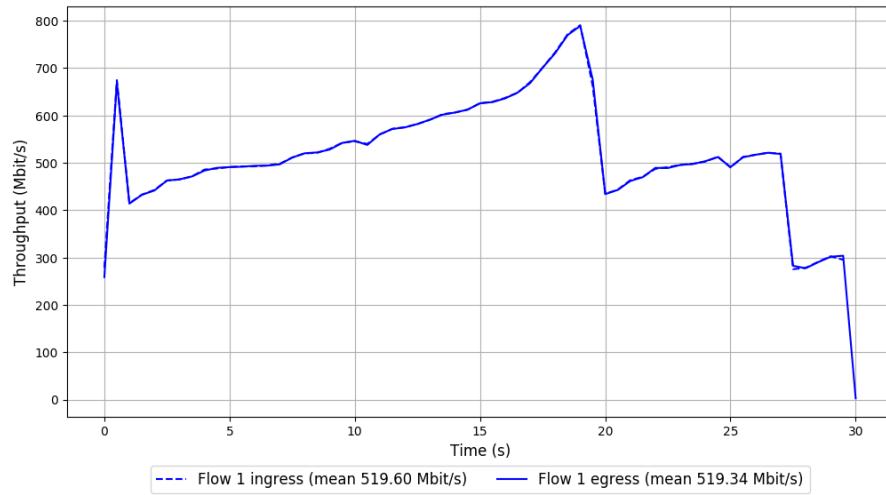


Run 9: Statistics of TCP Cubic

```
Start at: 2017-11-30 14:43:24
End at: 2017-11-30 14:43:54
Local clock offset: -0.067 ms
Remote clock offset: -1.882 ms

# Below is generated by plot.py at 2017-11-30 16:36:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 519.34 Mbit/s
95th percentile per-packet one-way delay: 19.489 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 519.34 Mbit/s
95th percentile per-packet one-way delay: 19.489 ms
Loss rate: 0.05%
```

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

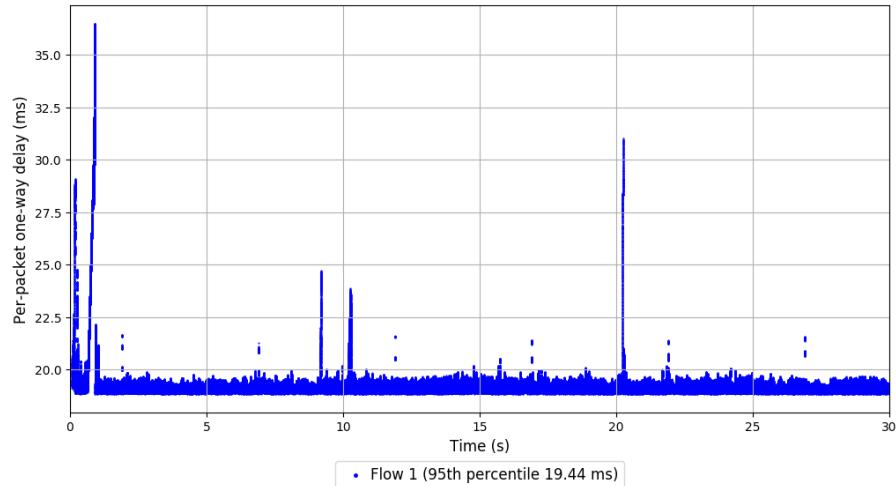
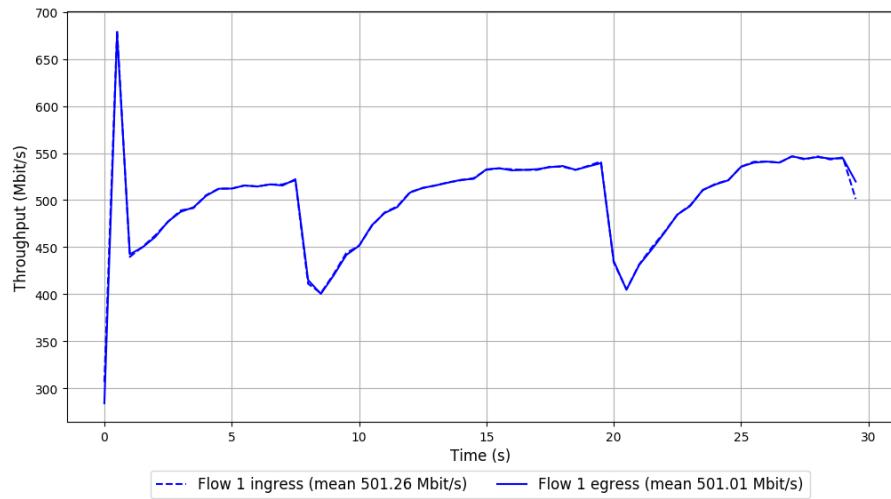


Run 10: Statistics of TCP Cubic

```
Start at: 2017-11-30 15:02:05
End at: 2017-11-30 15:02:35
Local clock offset: -0.027 ms
Remote clock offset: -1.817 ms

# Below is generated by plot.py at 2017-11-30 16:37:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 501.01 Mbit/s
95th percentile per-packet one-way delay: 19.443 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 501.01 Mbit/s
95th percentile per-packet one-way delay: 19.443 ms
Loss rate: 0.05%
```

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

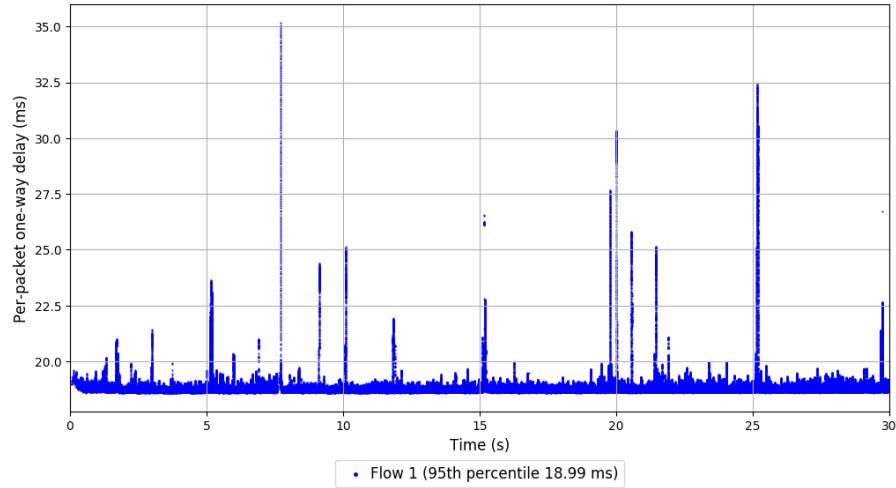
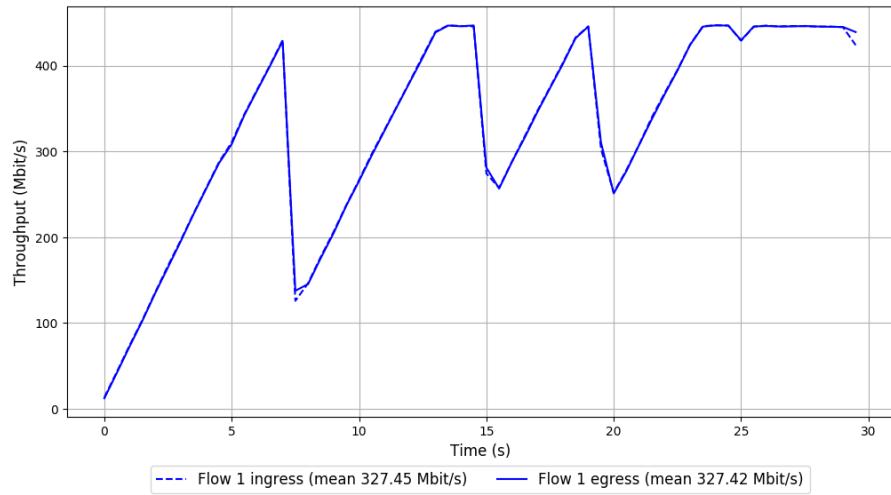


```
Run 1: Statistics of LEDBAT

Start at: 2017-11-30 11:59:16
End at: 2017-11-30 11:59:46
Local clock offset: 0.025 ms
Remote clock offset: -1.306 ms

# Below is generated by plot.py at 2017-11-30 16:37:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 327.42 Mbit/s
95th percentile per-packet one-way delay: 18.993 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 327.42 Mbit/s
95th percentile per-packet one-way delay: 18.993 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

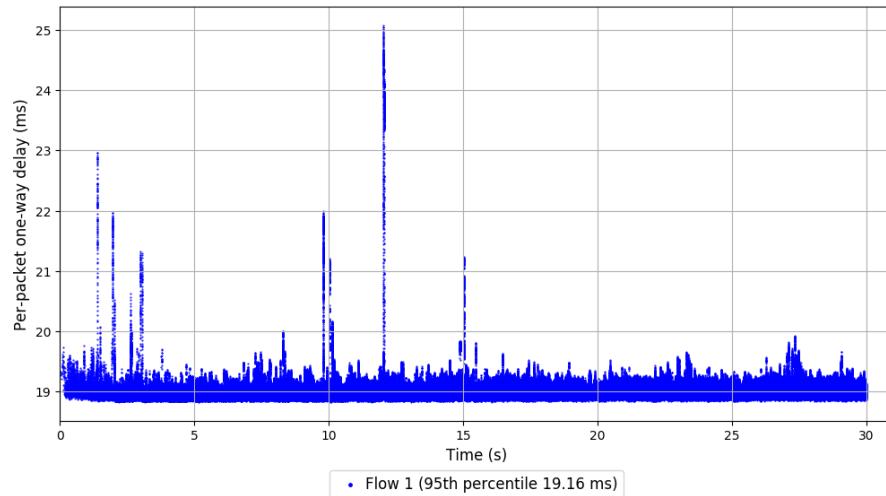
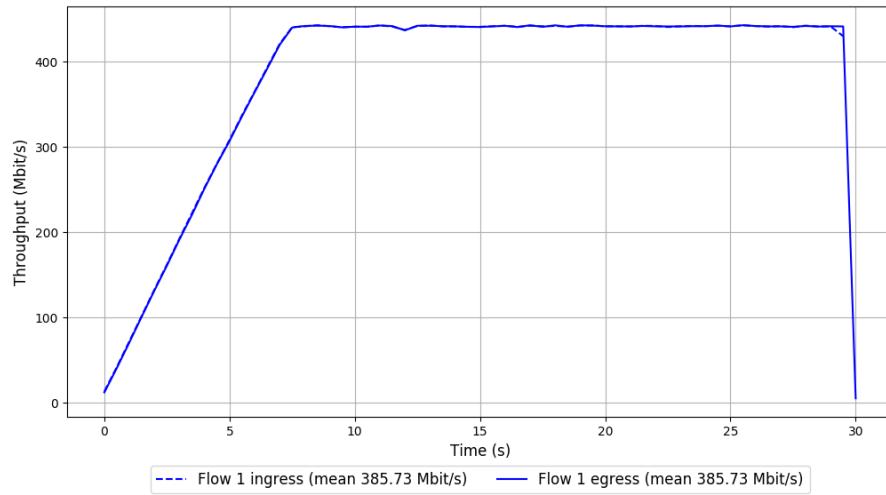


Run 2: Statistics of LEDBAT

```
Start at: 2017-11-30 12:17:58
End at: 2017-11-30 12:18:28
Local clock offset: 0.07 ms
Remote clock offset: -1.766 ms

# Below is generated by plot.py at 2017-11-30 16:37:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 385.73 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 385.73 Mbit/s
95th percentile per-packet one-way delay: 19.161 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

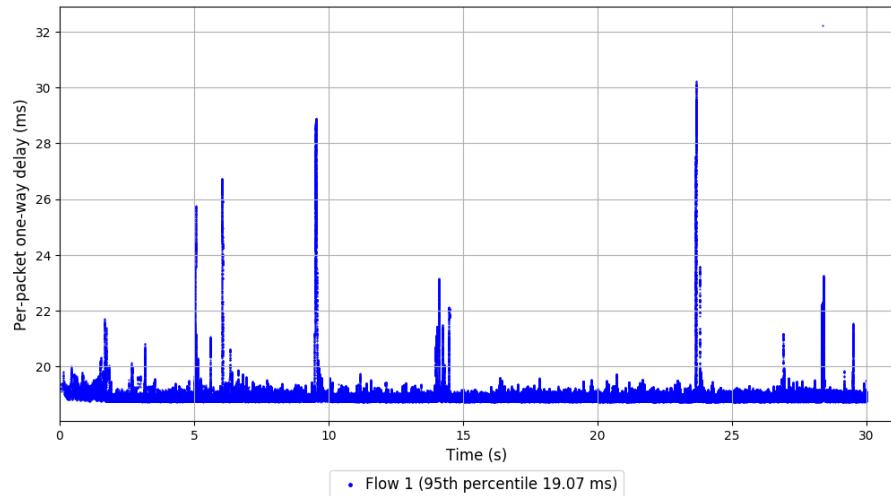
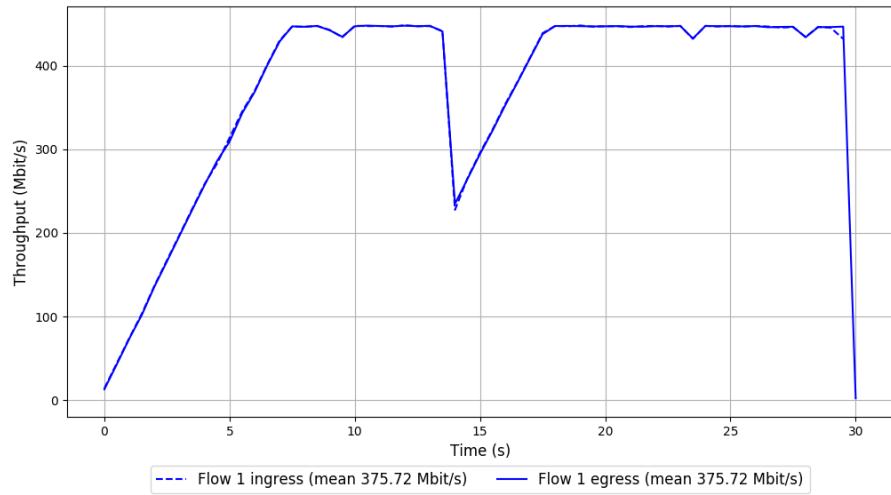


Run 3: Statistics of LEDBAT

```
Start at: 2017-11-30 12:36:35
End at: 2017-11-30 12:37:05
Local clock offset: -0.005 ms
Remote clock offset: -1.803 ms

# Below is generated by plot.py at 2017-11-30 16:38:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 375.72 Mbit/s
95th percentile per-packet one-way delay: 19.065 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 375.72 Mbit/s
95th percentile per-packet one-way delay: 19.065 ms
Loss rate: 0.00%
```

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

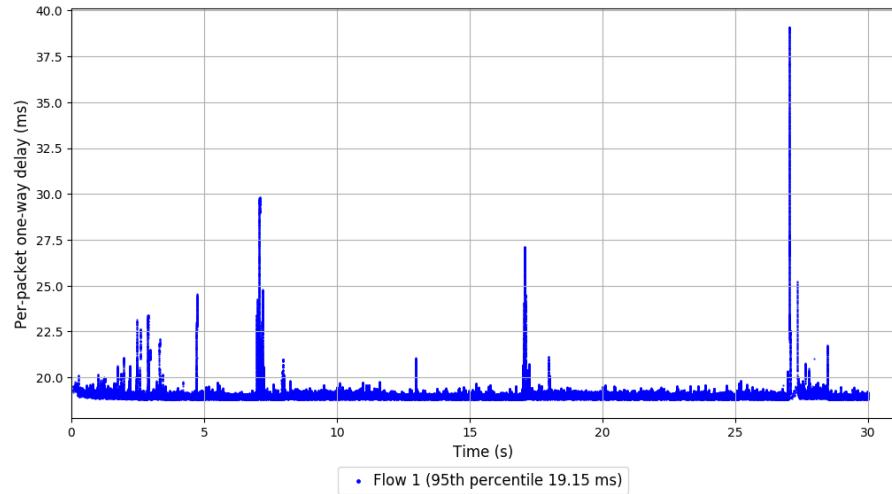
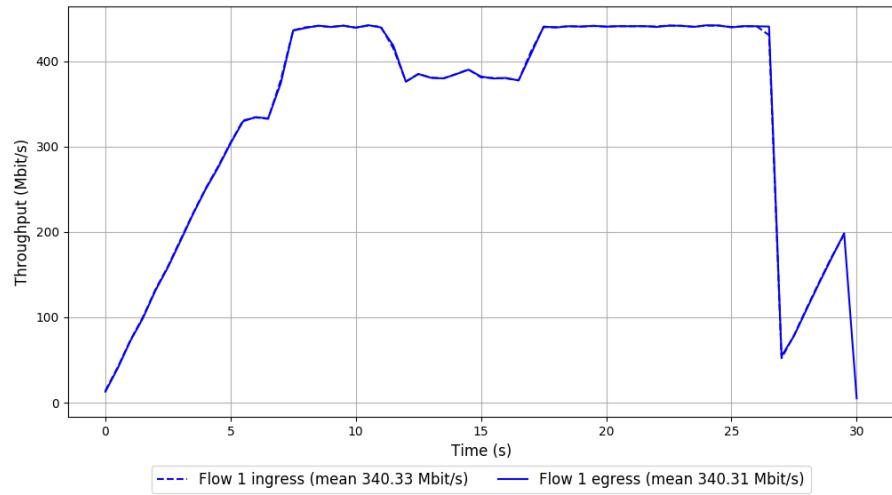


Run 4: Statistics of LEDBAT

```
Start at: 2017-11-30 12:55:32
End at: 2017-11-30 12:56:02
Local clock offset: 0.109 ms
Remote clock offset: -2.019 ms

# Below is generated by plot.py at 2017-11-30 16:38:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 340.31 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 340.31 Mbit/s
95th percentile per-packet one-way delay: 19.147 ms
Loss rate: 0.01%
```

Run 4: Report of LEDBAT — Data Link

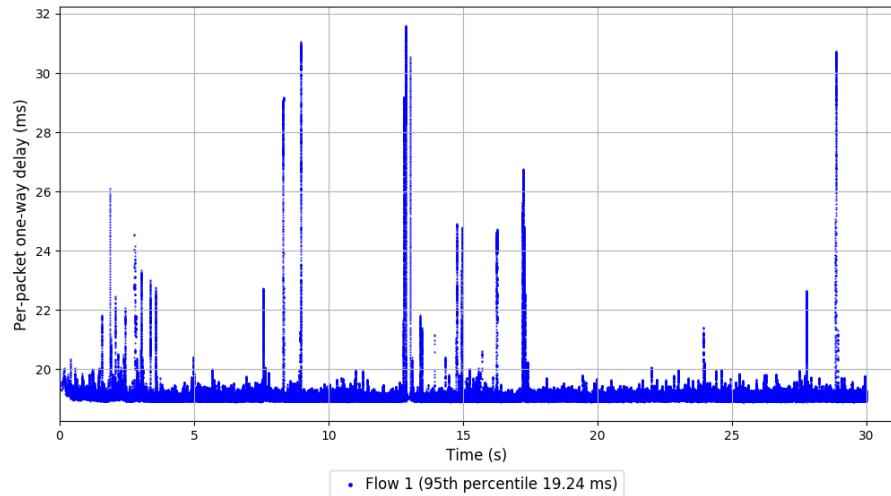
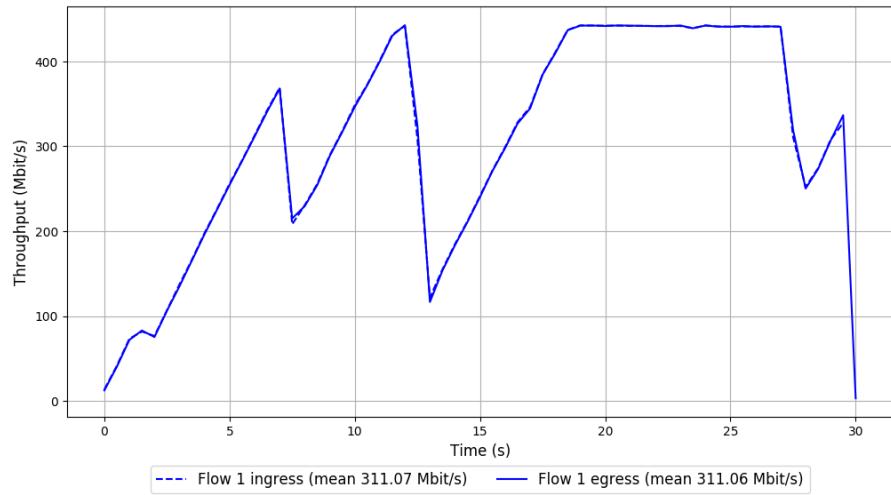


Run 5: Statistics of LEDBAT

```
Start at: 2017-11-30 13:14:11
End at: 2017-11-30 13:14:41
Local clock offset: -0.008 ms
Remote clock offset: -1.746 ms

# Below is generated by plot.py at 2017-11-30 16:39:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 311.06 Mbit/s
95th percentile per-packet one-way delay: 19.244 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 311.06 Mbit/s
95th percentile per-packet one-way delay: 19.244 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

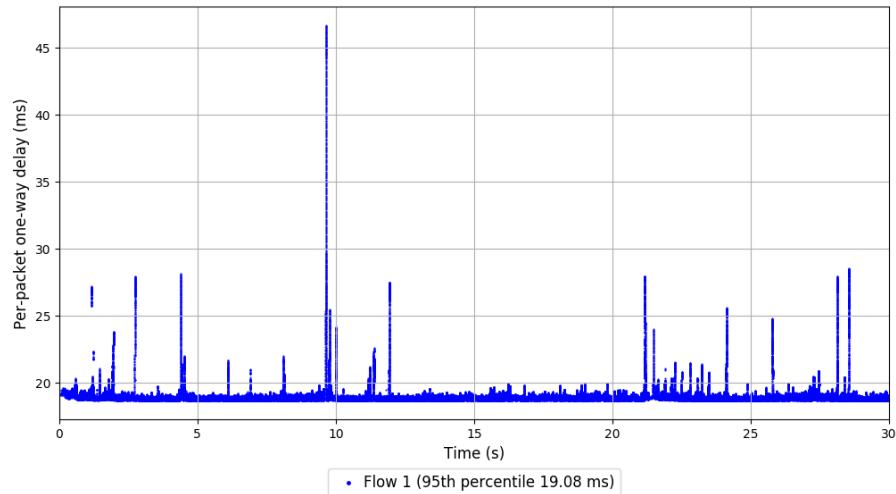
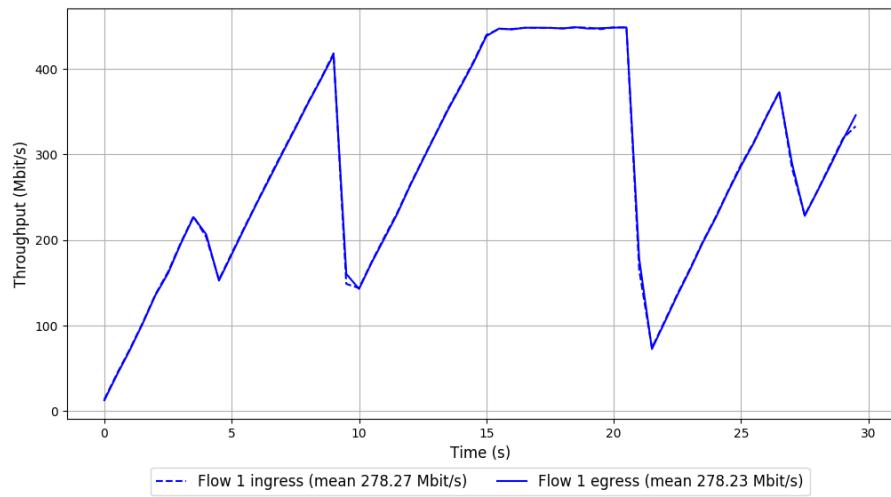


Run 6: Statistics of LEDBAT

```
Start at: 2017-11-30 13:32:43
End at: 2017-11-30 13:33:13
Local clock offset: 0.047 ms
Remote clock offset: -1.55 ms

# Below is generated by plot.py at 2017-11-30 16:39:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 278.23 Mbit/s
95th percentile per-packet one-way delay: 19.080 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 278.23 Mbit/s
95th percentile per-packet one-way delay: 19.080 ms
Loss rate: 0.01%
```

Run 6: Report of LEDBAT — Data Link

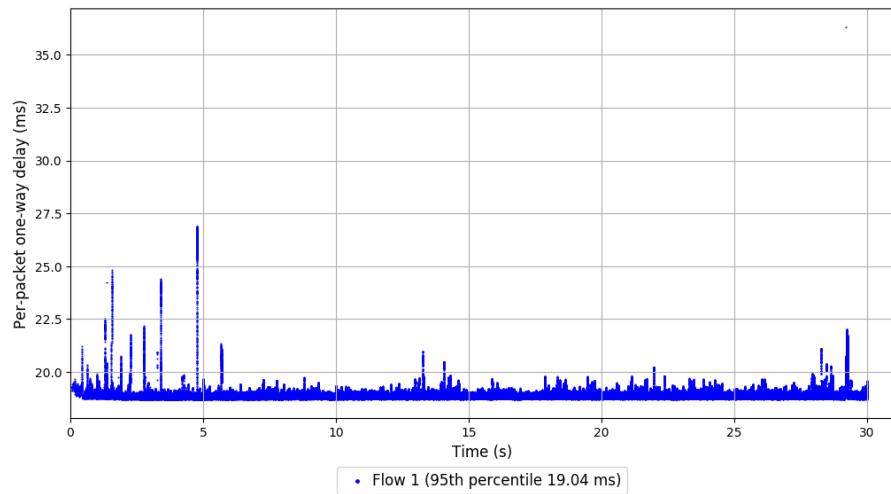
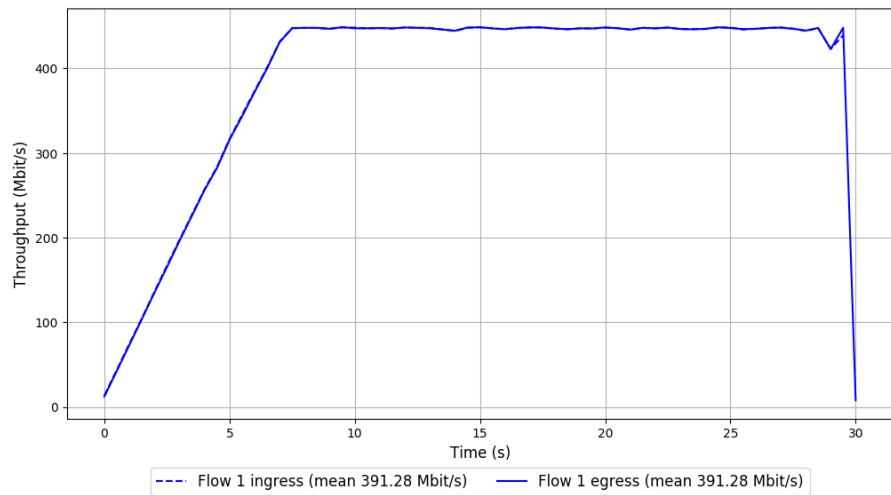


Run 7: Statistics of LEDBAT

```
Start at: 2017-11-30 13:51:18
End at: 2017-11-30 13:51:48
Local clock offset: 0.079 ms
Remote clock offset: -1.542 ms

# Below is generated by plot.py at 2017-11-30 16:41:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 391.28 Mbit/s
95th percentile per-packet one-way delay: 19.038 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 391.28 Mbit/s
95th percentile per-packet one-way delay: 19.038 ms
Loss rate: 0.00%
```

Run 7: Report of LEDBAT — Data Link

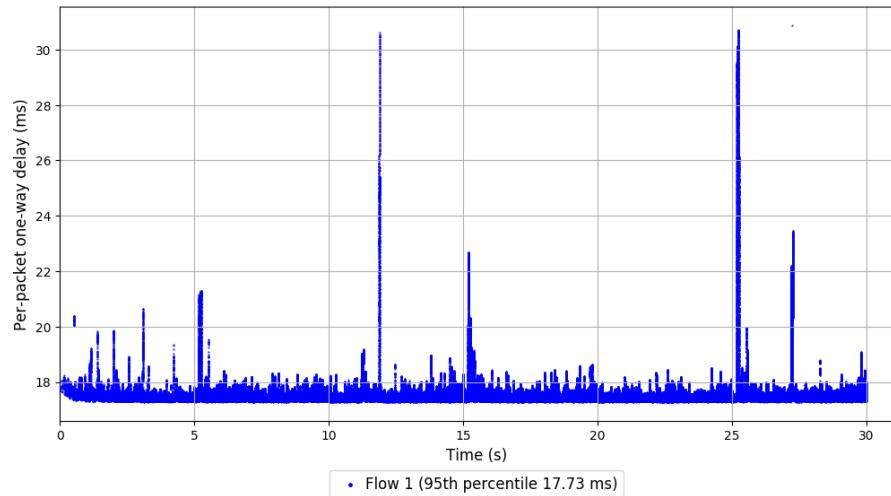
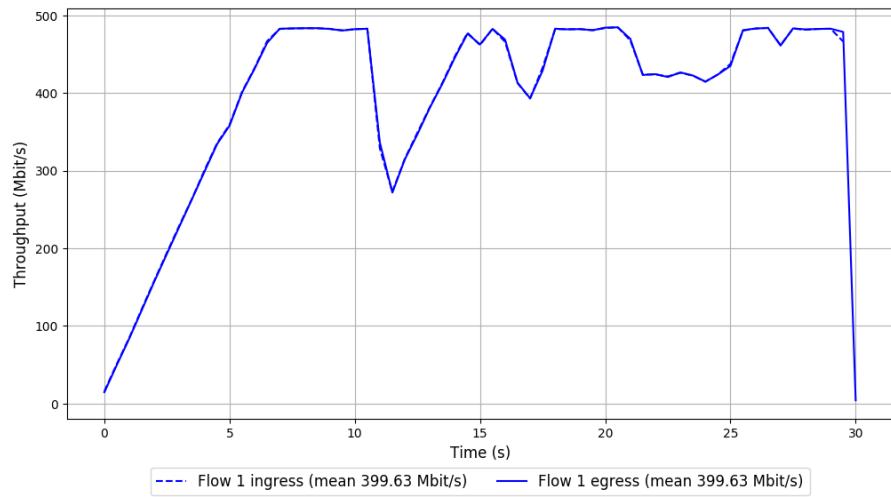


Run 8: Statistics of LEDBAT

```
Start at: 2017-11-30 14:10:20
End at: 2017-11-30 14:10:50
Local clock offset: 0.033 ms
Remote clock offset: -1.472 ms

# Below is generated by plot.py at 2017-11-30 16:42:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 399.63 Mbit/s
95th percentile per-packet one-way delay: 17.729 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 399.63 Mbit/s
95th percentile per-packet one-way delay: 17.729 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

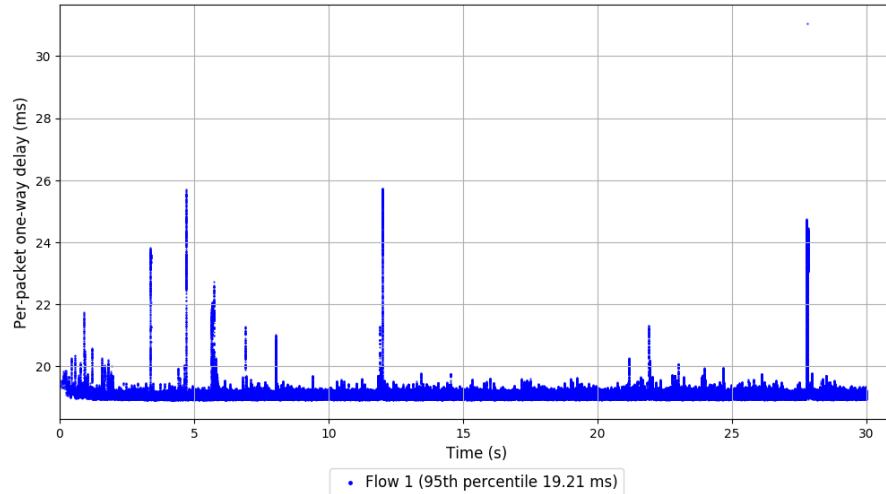
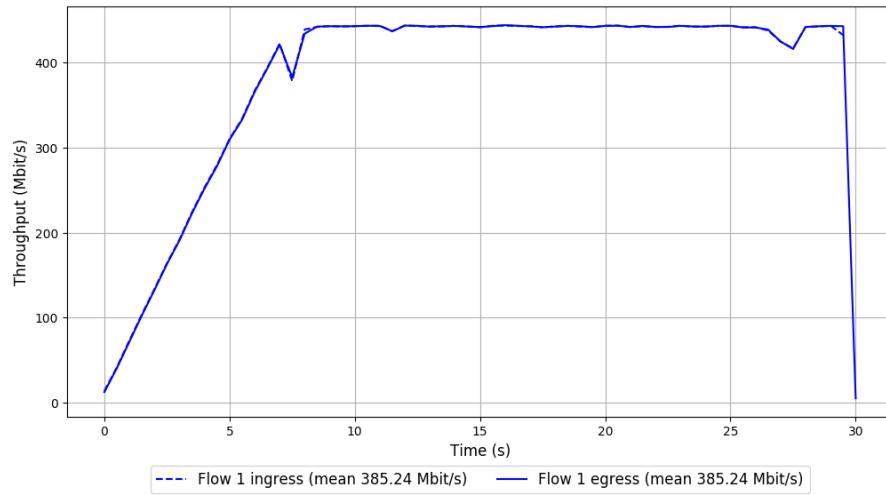


Run 9: Statistics of LEDBAT

```
Start at: 2017-11-30 14:29:02
End at: 2017-11-30 14:29:32
Local clock offset: -0.031 ms
Remote clock offset: -1.69 ms

# Below is generated by plot.py at 2017-11-30 16:42:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 385.24 Mbit/s
95th percentile per-packet one-way delay: 19.208 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 385.24 Mbit/s
95th percentile per-packet one-way delay: 19.208 ms
Loss rate: 0.01%
```

Run 9: Report of LEDBAT — Data Link

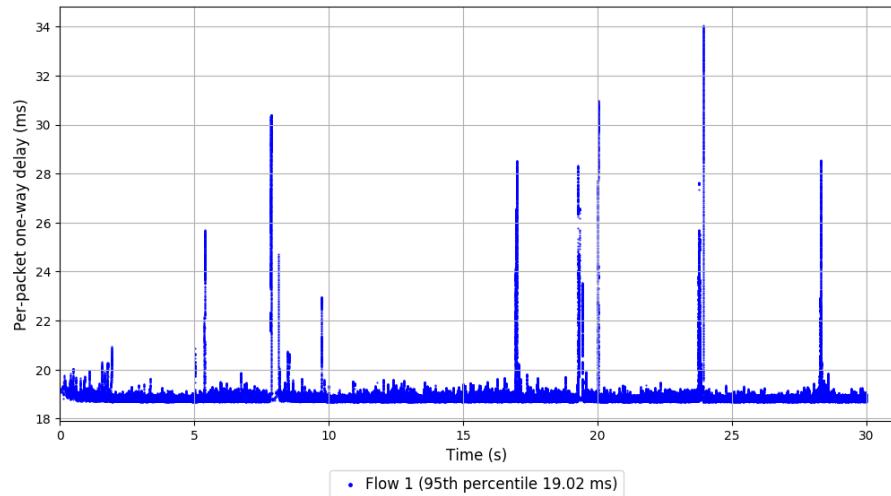
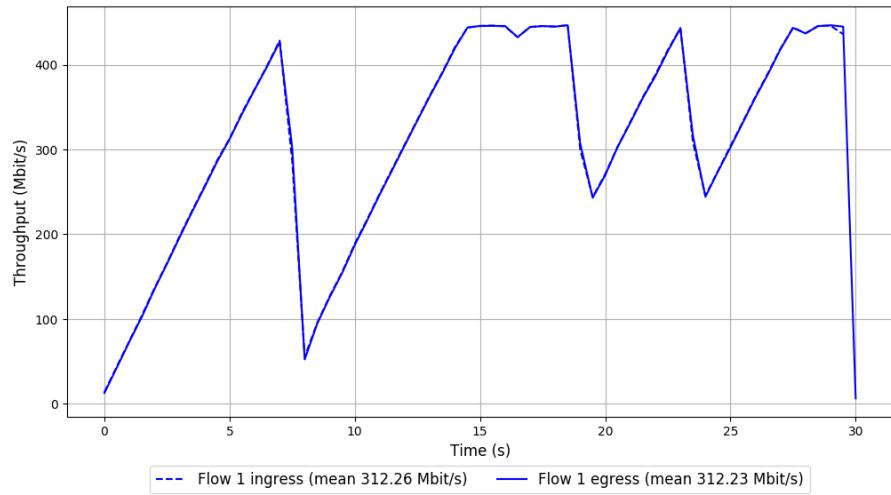


Run 10: Statistics of LEDBAT

```
Start at: 2017-11-30 14:47:42
End at: 2017-11-30 14:48:12
Local clock offset: -0.088 ms
Remote clock offset: -1.969 ms

# Below is generated by plot.py at 2017-11-30 16:42:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 312.23 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 312.23 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.02%
```

Run 10: Report of LEDBAT — Data Link

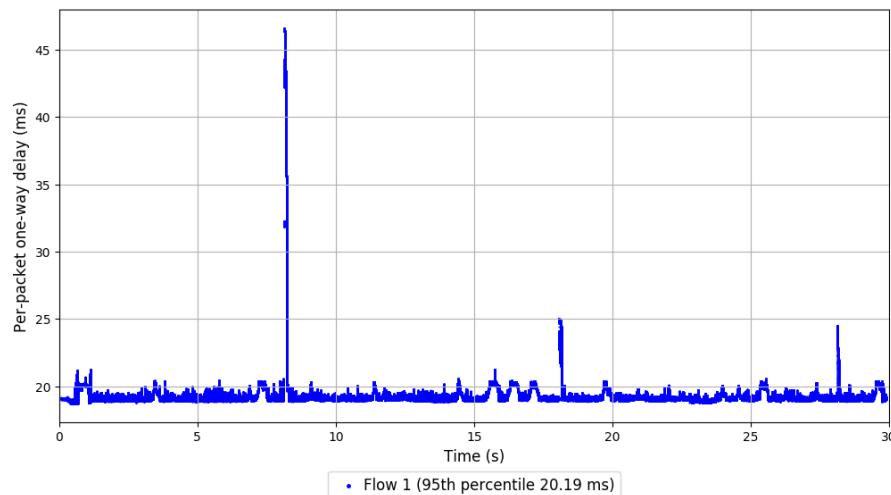
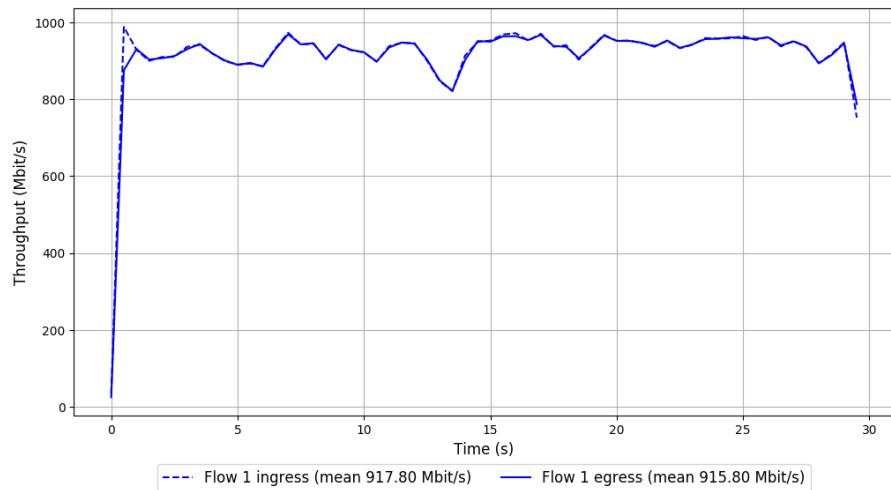


Run 1: Statistics of PCC

```
Start at: 2017-11-30 12:09:36
End at: 2017-11-30 12:10:06
Local clock offset: 0.047 ms
Remote clock offset: -1.476 ms

# Below is generated by plot.py at 2017-11-30 16:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 915.80 Mbit/s
95th percentile per-packet one-way delay: 20.186 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 915.80 Mbit/s
95th percentile per-packet one-way delay: 20.186 ms
Loss rate: 0.22%
```

### Run 1: Report of PCC — Data Link

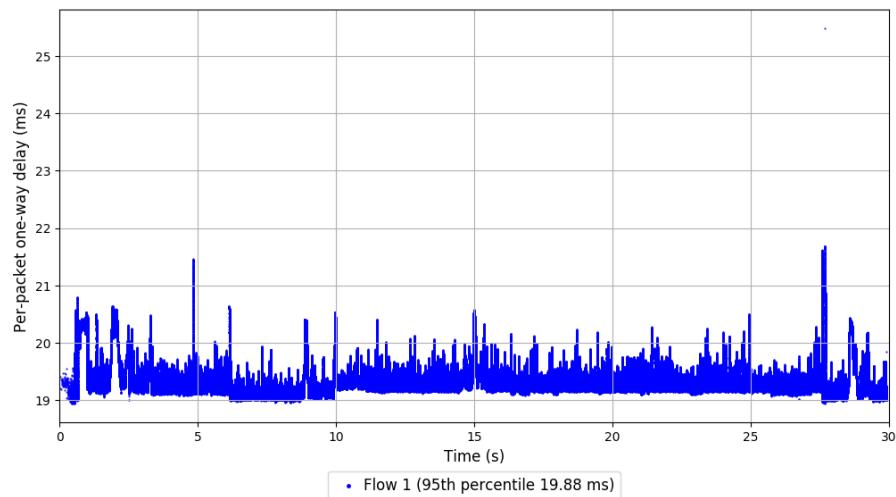
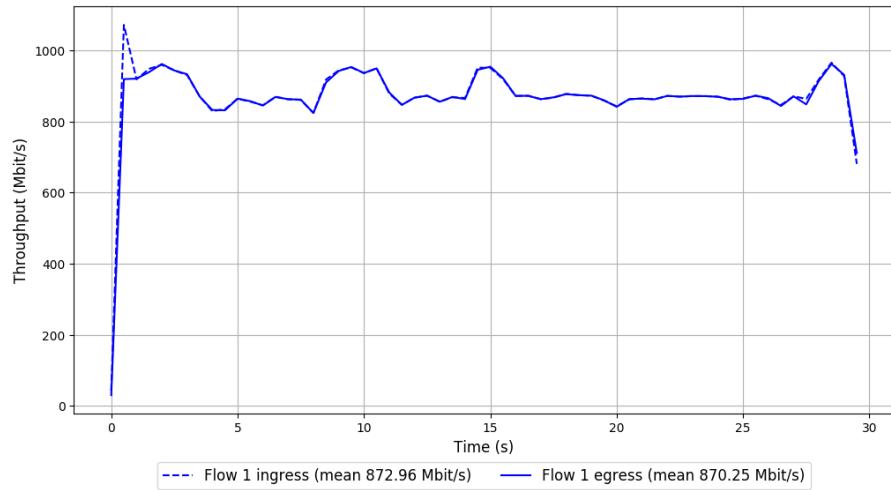


Run 2: Statistics of PCC

```
Start at: 2017-11-30 12:28:23
End at: 2017-11-30 12:28:53
Local clock offset: 0.01 ms
Remote clock offset: -1.795 ms

# Below is generated by plot.py at 2017-11-30 16:50:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 870.25 Mbit/s
95th percentile per-packet one-way delay: 19.884 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 870.25 Mbit/s
95th percentile per-packet one-way delay: 19.884 ms
Loss rate: 0.31%
```

## Run 2: Report of PCC — Data Link

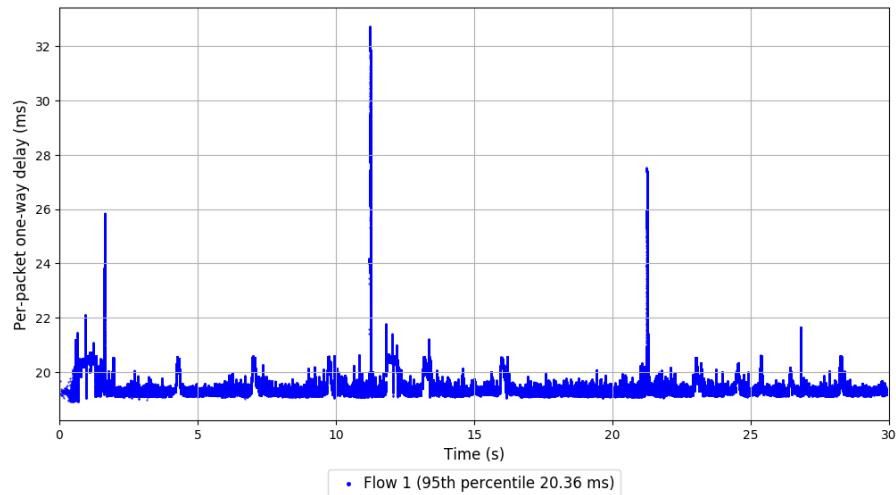
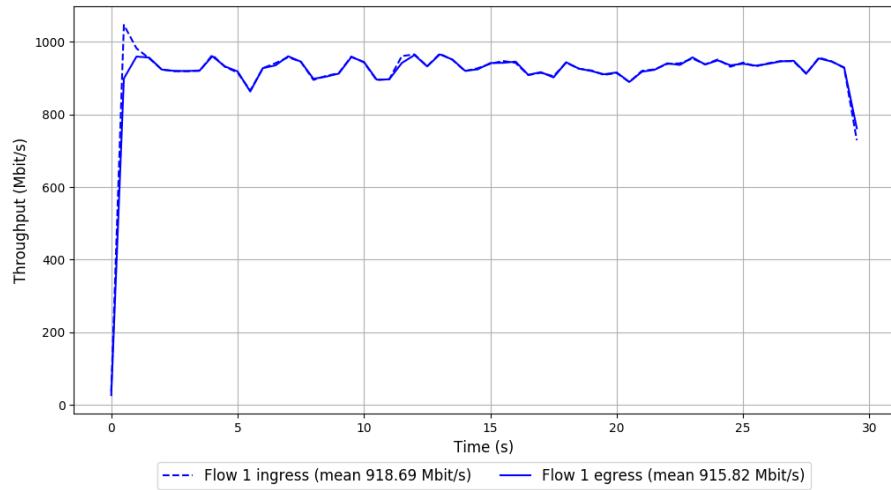


Run 3: Statistics of PCC

```
Start at: 2017-11-30 12:47:18
End at: 2017-11-30 12:47:48
Local clock offset: 0.079 ms
Remote clock offset: -1.833 ms

# Below is generated by plot.py at 2017-11-30 16:52:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 915.82 Mbit/s
95th percentile per-packet one-way delay: 20.362 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 915.82 Mbit/s
95th percentile per-packet one-way delay: 20.362 ms
Loss rate: 0.32%
```

### Run 3: Report of PCC — Data Link

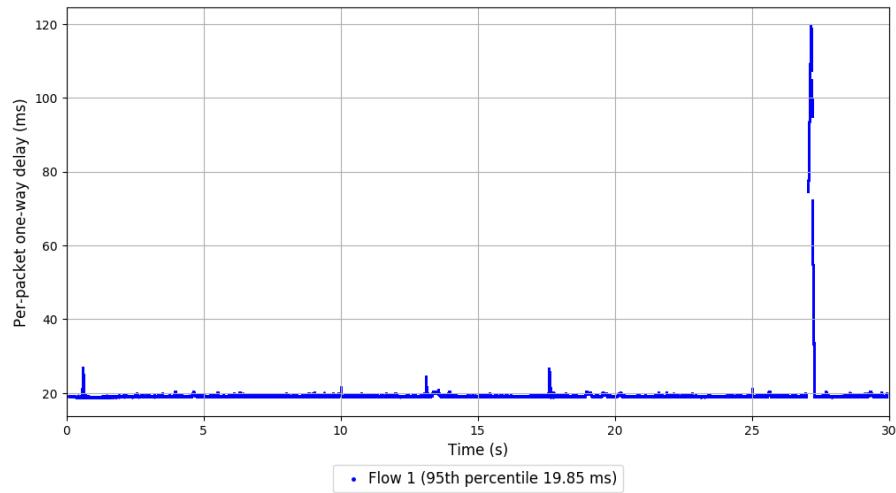
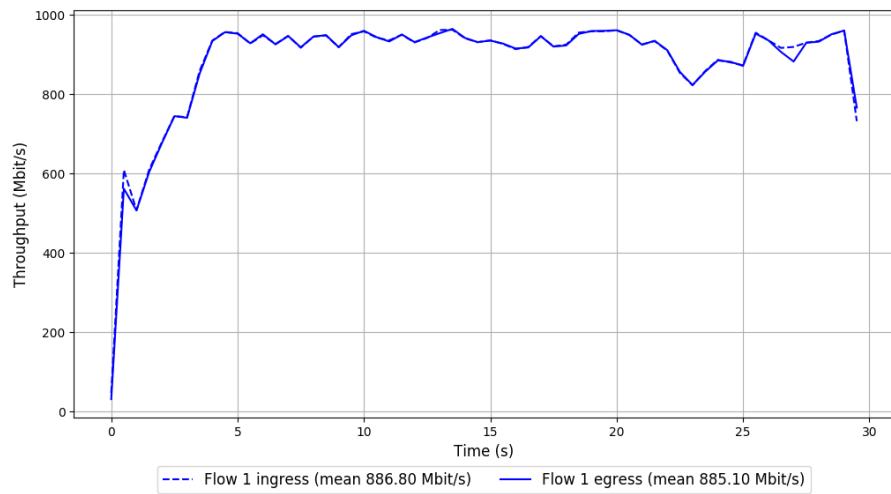


Run 4: Statistics of PCC

```
Start at: 2017-11-30 13:05:51
End at: 2017-11-30 13:06:21
Local clock offset: 0.03 ms
Remote clock offset: -1.809 ms

# Below is generated by plot.py at 2017-11-30 16:52:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 885.10 Mbit/s
95th percentile per-packet one-way delay: 19.853 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 885.10 Mbit/s
95th percentile per-packet one-way delay: 19.853 ms
Loss rate: 0.20%
```

#### Run 4: Report of PCC — Data Link

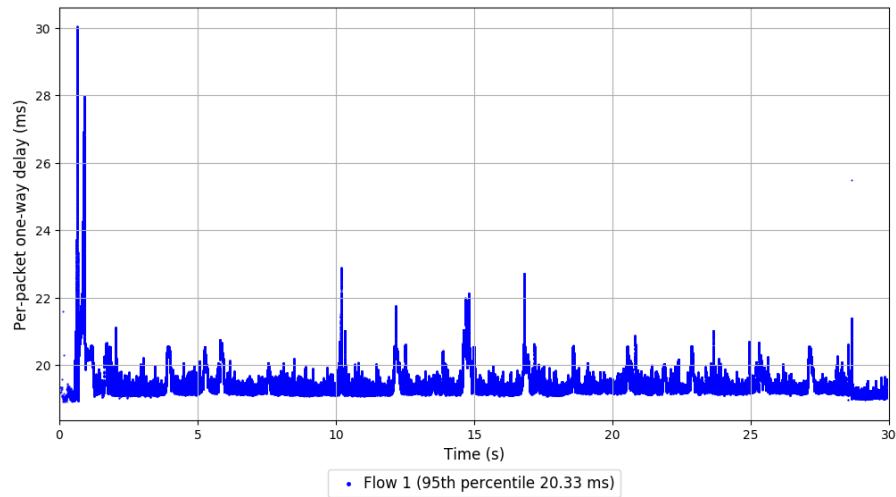
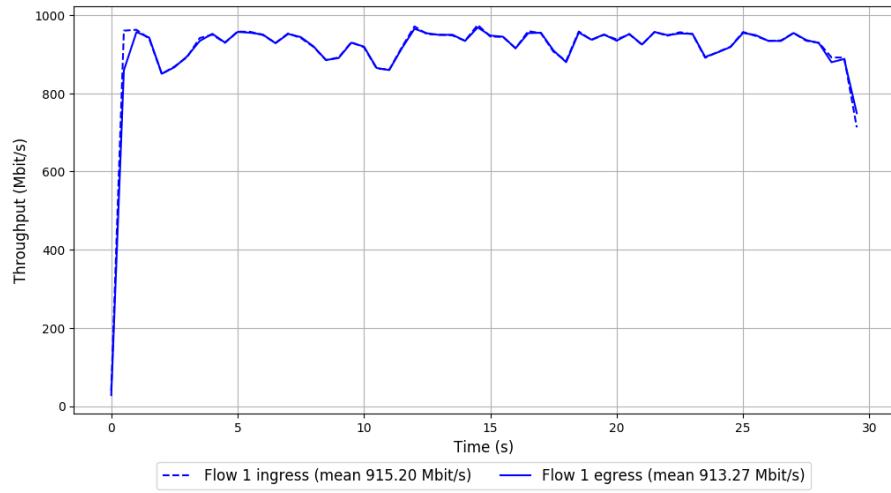


Run 5: Statistics of PCC

```
Start at: 2017-11-30 13:24:44
End at: 2017-11-30 13:25:14
Local clock offset: 0.01 ms
Remote clock offset: -1.631 ms

# Below is generated by plot.py at 2017-11-30 16:54:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 913.27 Mbit/s
95th percentile per-packet one-way delay: 20.330 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 913.27 Mbit/s
95th percentile per-packet one-way delay: 20.330 ms
Loss rate: 0.22%
```

### Run 5: Report of PCC — Data Link

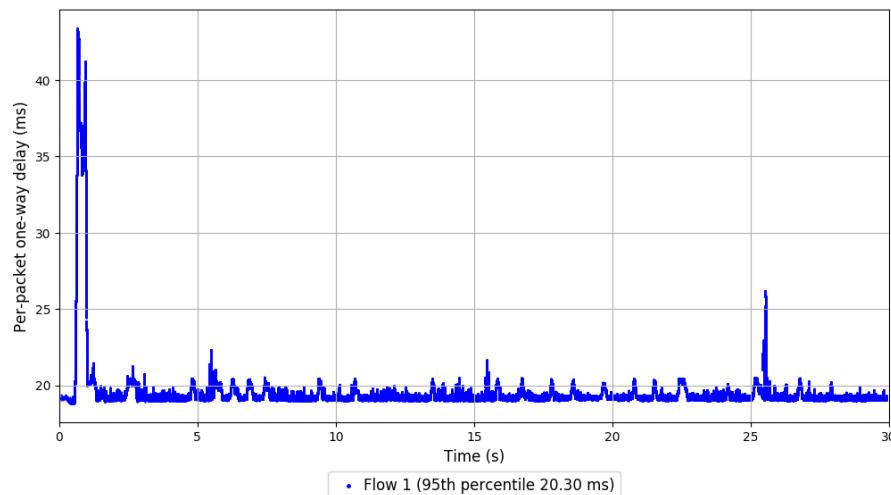
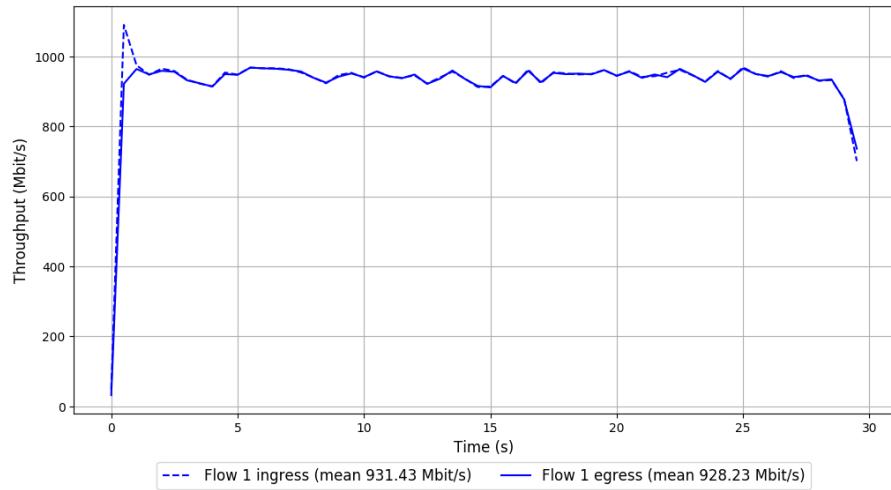


Run 6: Statistics of PCC

```
Start at: 2017-11-30 13:42:58
End at: 2017-11-30 13:43:28
Local clock offset: 0.145 ms
Remote clock offset: -1.438 ms

# Below is generated by plot.py at 2017-11-30 16:55:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 928.23 Mbit/s
95th percentile per-packet one-way delay: 20.299 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 928.23 Mbit/s
95th percentile per-packet one-way delay: 20.299 ms
Loss rate: 0.34%
```

## Run 6: Report of PCC — Data Link

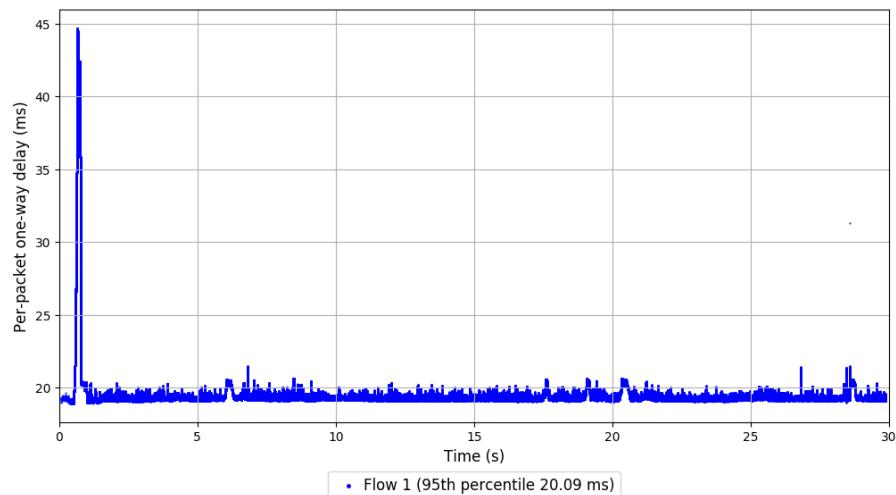
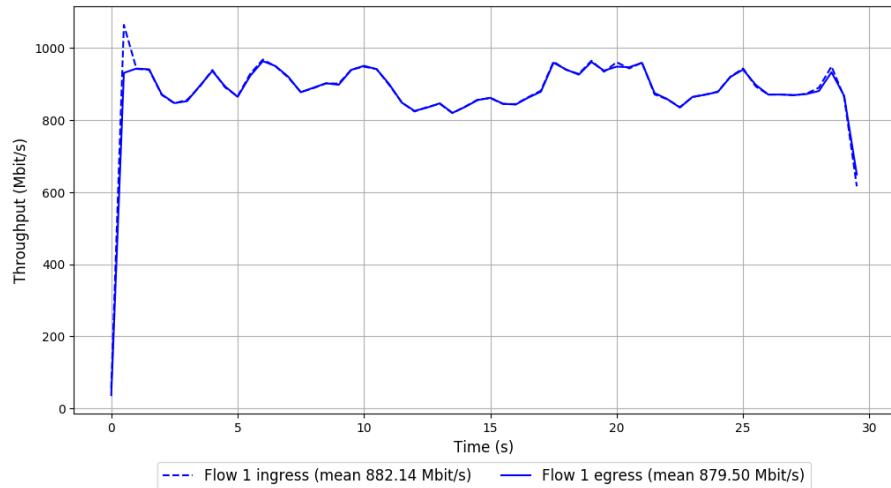


Run 7: Statistics of PCC

```
Start at: 2017-11-30 14:01:55
End at: 2017-11-30 14:02:25
Local clock offset: 0.077 ms
Remote clock offset: -1.574 ms

# Below is generated by plot.py at 2017-11-30 16:55:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 879.50 Mbit/s
95th percentile per-packet one-way delay: 20.093 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 879.50 Mbit/s
95th percentile per-packet one-way delay: 20.093 ms
Loss rate: 0.31%
```

### Run 7: Report of PCC — Data Link

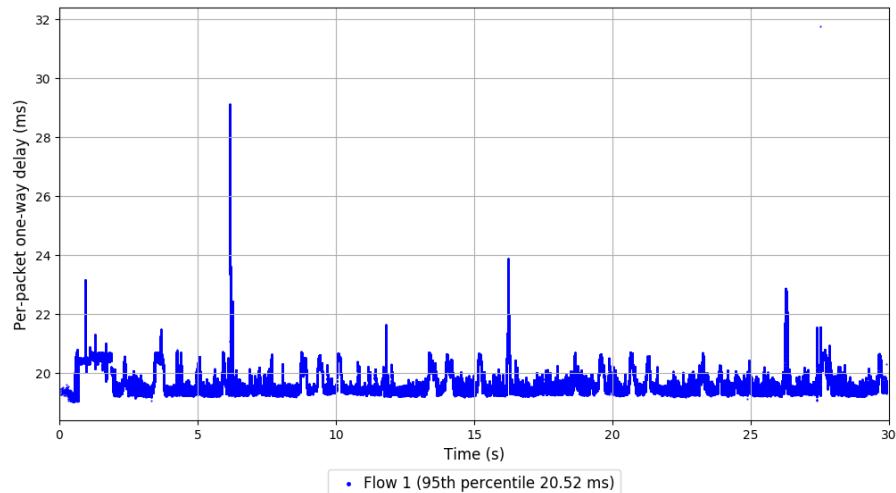
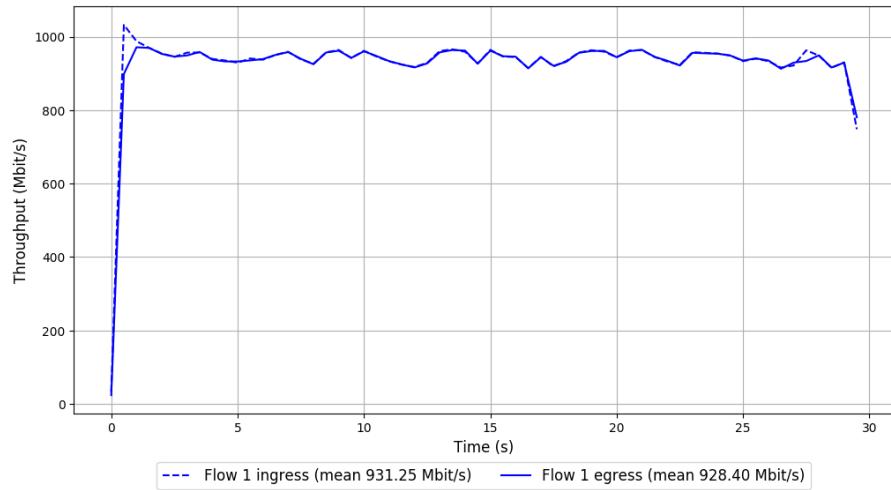


Run 8: Statistics of PCC

```
Start at: 2017-11-30 14:20:49
End at: 2017-11-30 14:21:19
Local clock offset: 0.017 ms
Remote clock offset: -1.433 ms

# Below is generated by plot.py at 2017-11-30 16:56:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 928.40 Mbit/s
95th percentile per-packet one-way delay: 20.523 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 928.40 Mbit/s
95th percentile per-packet one-way delay: 20.523 ms
Loss rate: 0.31%
```

### Run 8: Report of PCC — Data Link

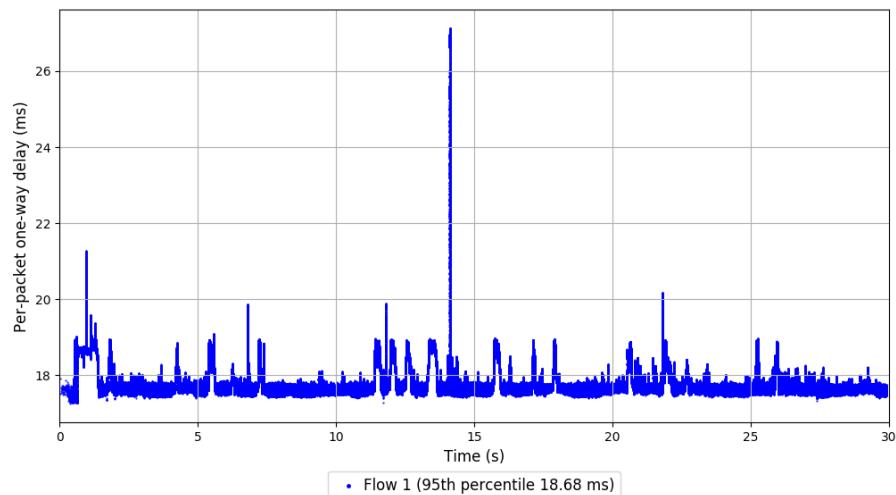
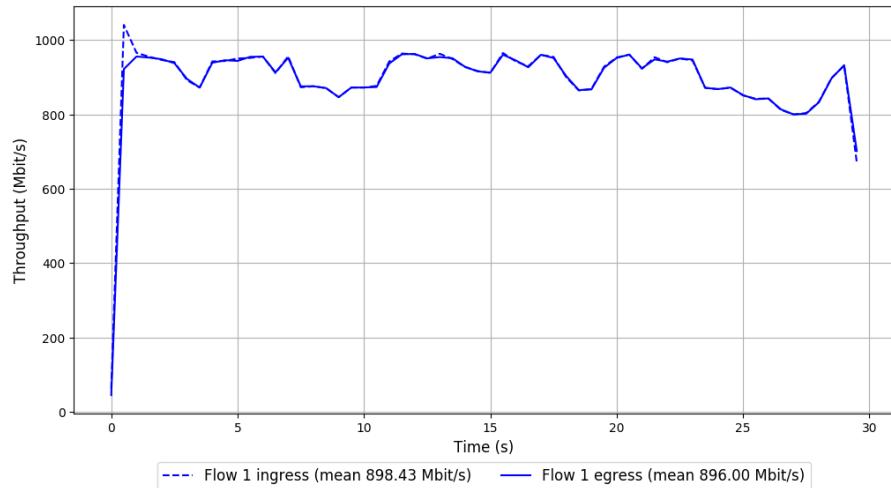


Run 9: Statistics of PCC

```
Start at: 2017-11-30 14:39:23
End at: 2017-11-30 14:39:53
Local clock offset: -0.077 ms
Remote clock offset: -1.871 ms

# Below is generated by plot.py at 2017-11-30 17:04:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 896.00 Mbit/s
95th percentile per-packet one-way delay: 18.676 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 896.00 Mbit/s
95th percentile per-packet one-way delay: 18.676 ms
Loss rate: 0.27%
```

### Run 9: Report of PCC — Data Link

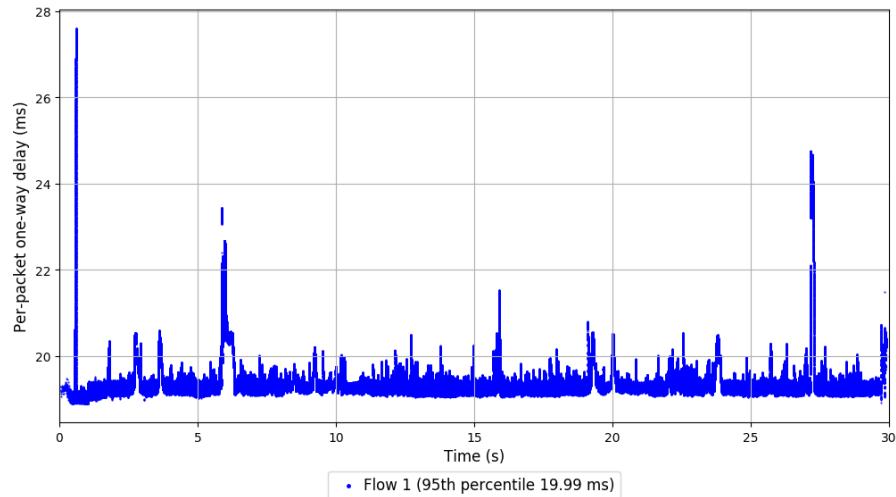
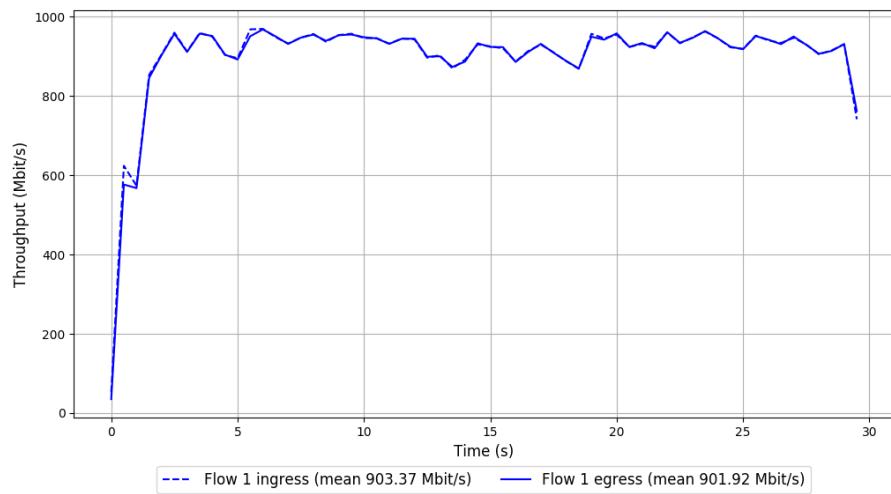


Run 10: Statistics of PCC

```
Start at: 2017-11-30 14:58:04
End at: 2017-11-30 14:58:34
Local clock offset: -0.019 ms
Remote clock offset: -1.796 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 901.92 Mbit/s
95th percentile per-packet one-way delay: 19.991 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 901.92 Mbit/s
95th percentile per-packet one-way delay: 19.991 ms
Loss rate: 0.16%
```

Run 10: Report of PCC — Data Link

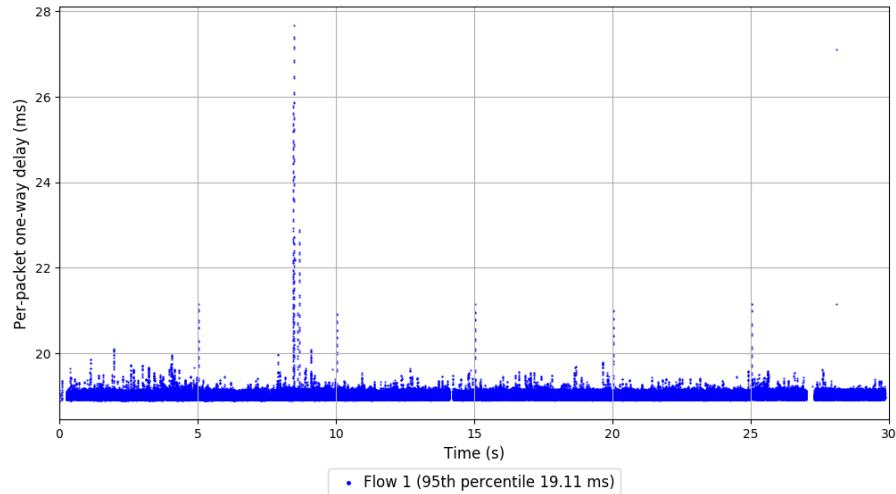
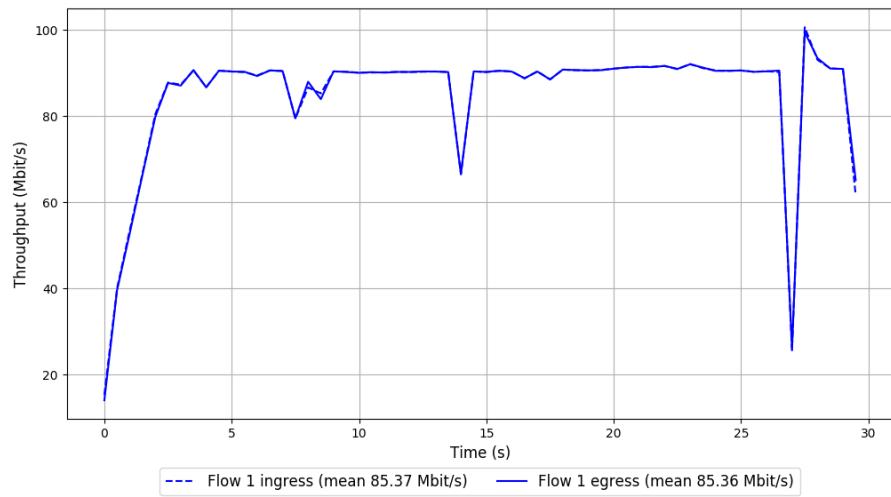


```
Run 1: Statistics of QUIC Cubic

Start at: 2017-11-30 12:12:23
End at: 2017-11-30 12:12:53
Local clock offset: -0.042 ms
Remote clock offset: -1.656 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.36 Mbit/s
95th percentile per-packet one-way delay: 19.114 ms
Loss rate: 0.00%
```

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

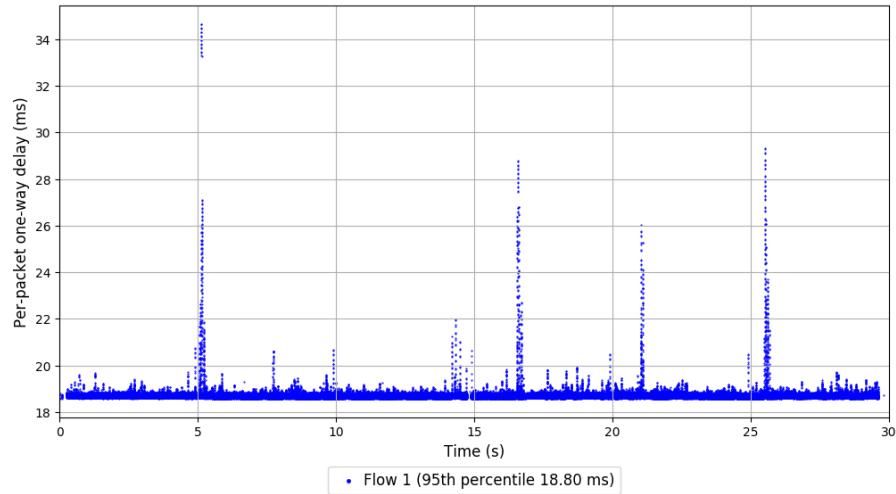
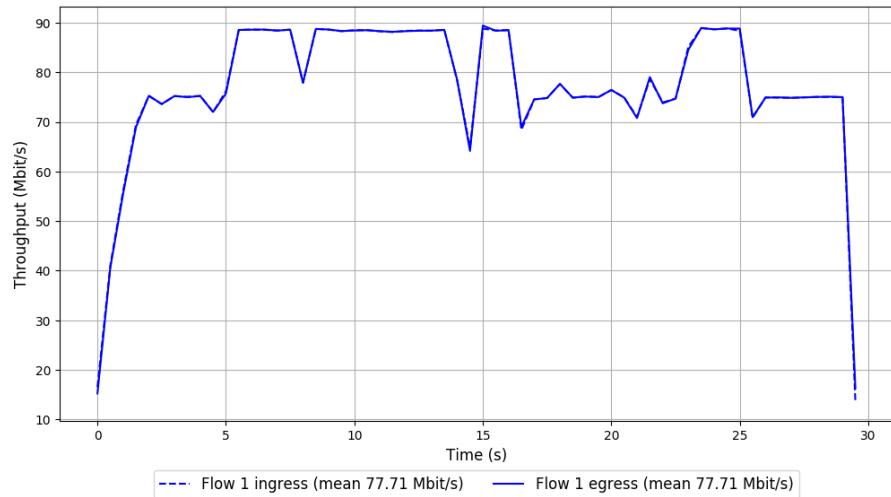


Run 2: Statistics of QUIC Cubic

```
Start at: 2017-11-30 12:31:09
End at: 2017-11-30 12:31:39
Local clock offset: 0.089 ms
Remote clock offset: -1.803 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.71 Mbit/s
95th percentile per-packet one-way delay: 18.797 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.71 Mbit/s
95th percentile per-packet one-way delay: 18.797 ms
Loss rate: 0.00%
```

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

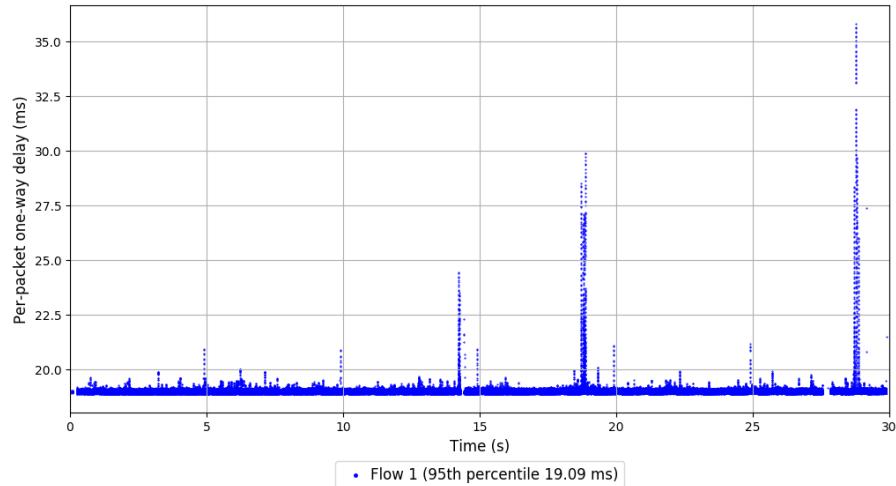
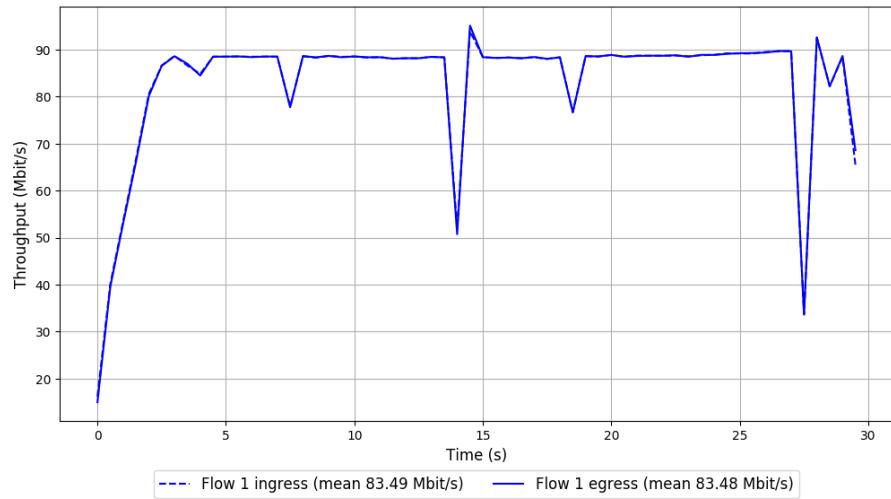


Run 3: Statistics of QUIC Cubic

```
Start at: 2017-11-30 12:50:05
End at: 2017-11-30 12:50:35
Local clock offset: -0.002 ms
Remote clock offset: -2.009 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 19.090 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 83.48 Mbit/s
95th percentile per-packet one-way delay: 19.090 ms
Loss rate: 0.00%
```

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

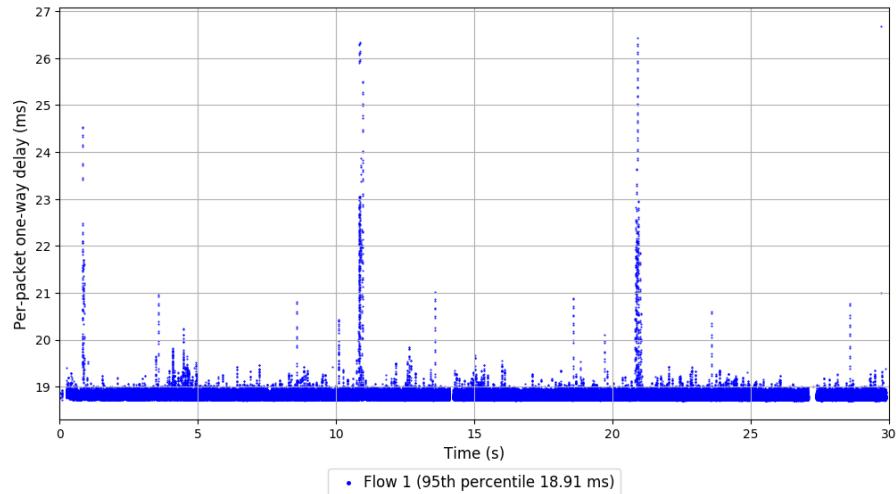
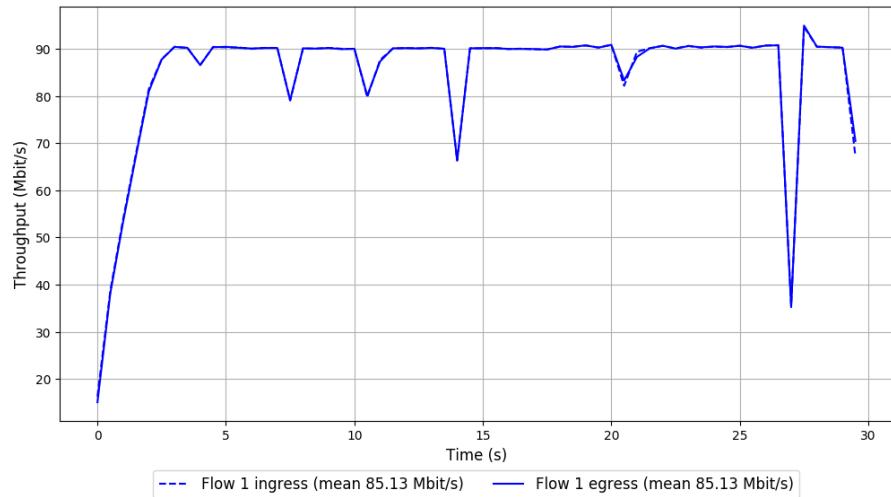


Run 4: Statistics of QUIC Cubic

```
Start at: 2017-11-30 13:08:38
End at: 2017-11-30 13:09:08
Local clock offset: 0.091 ms
Remote clock offset: -1.717 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.13 Mbit/s
95th percentile per-packet one-way delay: 18.912 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 85.13 Mbit/s
95th percentile per-packet one-way delay: 18.912 ms
Loss rate: 0.00%
```

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

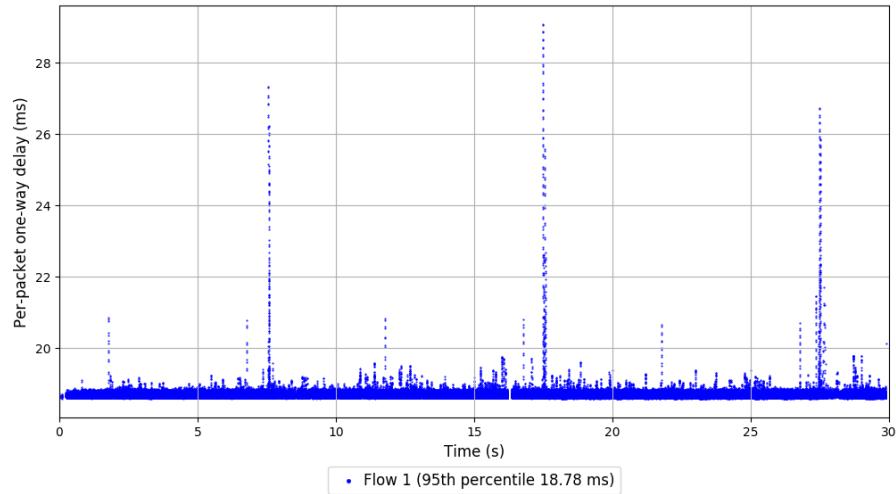
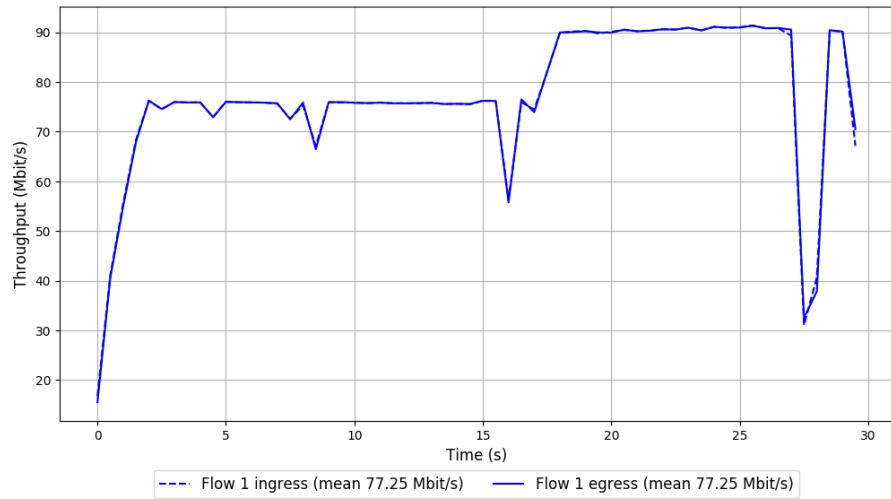


Run 5: Statistics of QUIC Cubic

```
Start at: 2017-11-30 13:27:31
End at: 2017-11-30 13:28:01
Local clock offset: 0.115 ms
Remote clock offset: -1.67 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 18.782 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.25 Mbit/s
95th percentile per-packet one-way delay: 18.782 ms
Loss rate: 0.00%
```

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

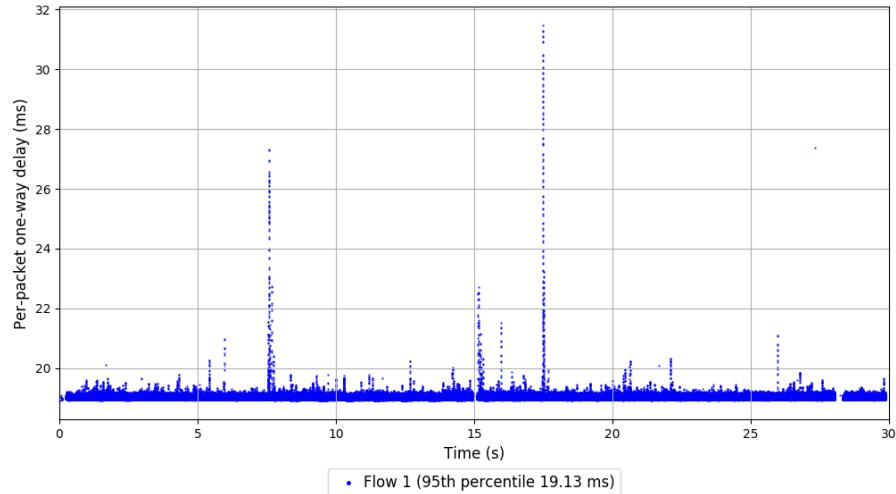
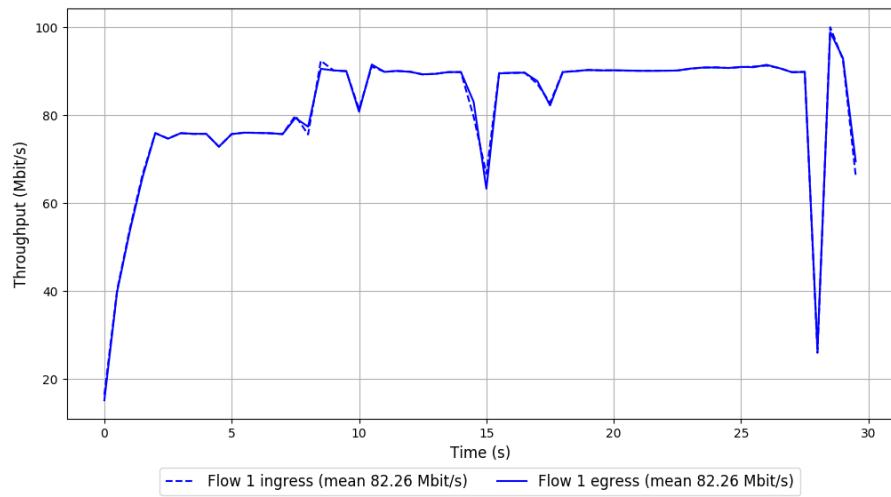


Run 6: Statistics of QUIC Cubic

```
Start at: 2017-11-30 13:45:46
End at: 2017-11-30 13:46:16
Local clock offset: 0.061 ms
Remote clock offset: -1.45 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.26 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 82.26 Mbit/s
95th percentile per-packet one-way delay: 19.127 ms
Loss rate: 0.01%
```

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

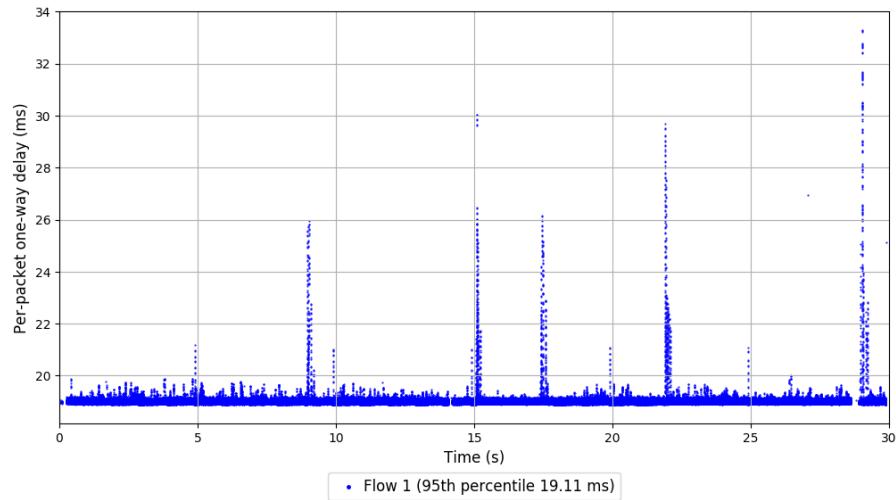
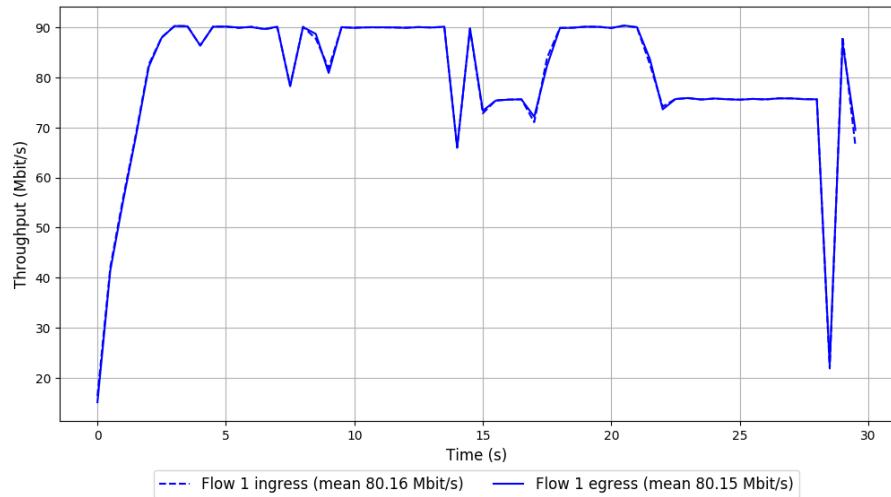


Run 7: Statistics of QUIC Cubic

```
Start at: 2017-11-30 14:04:41
End at: 2017-11-30 14:05:11
Local clock offset: 0.064 ms
Remote clock offset: -1.552 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.15 Mbit/s
95th percentile per-packet one-way delay: 19.109 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 80.15 Mbit/s
95th percentile per-packet one-way delay: 19.109 ms
Loss rate: 0.01%
```

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

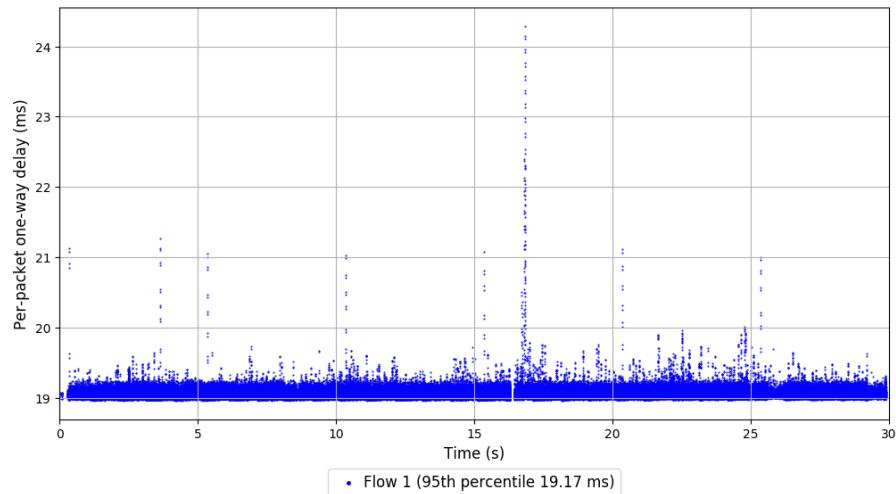
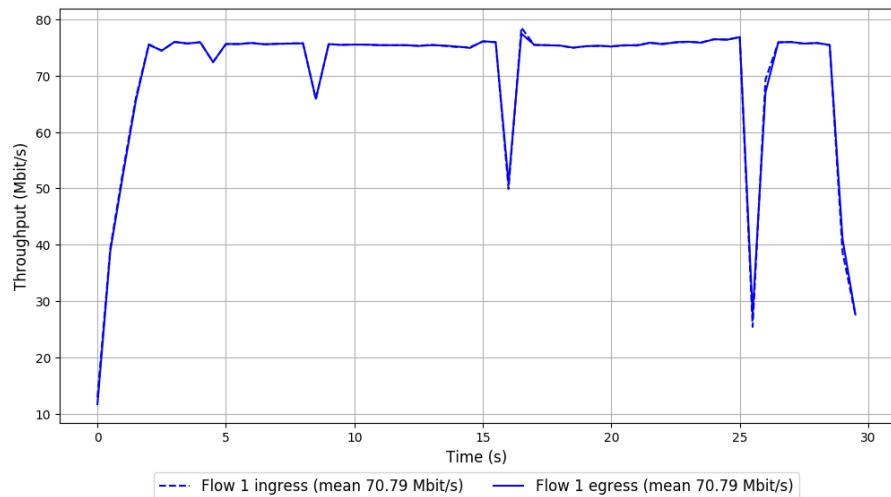


Run 8: Statistics of QUIC Cubic

```
Start at: 2017-11-30 14:23:36
End at: 2017-11-30 14:24:06
Local clock offset: -0.01 ms
Remote clock offset: -1.547 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.79 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 70.79 Mbit/s
95th percentile per-packet one-way delay: 19.168 ms
Loss rate: 0.01%
```

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

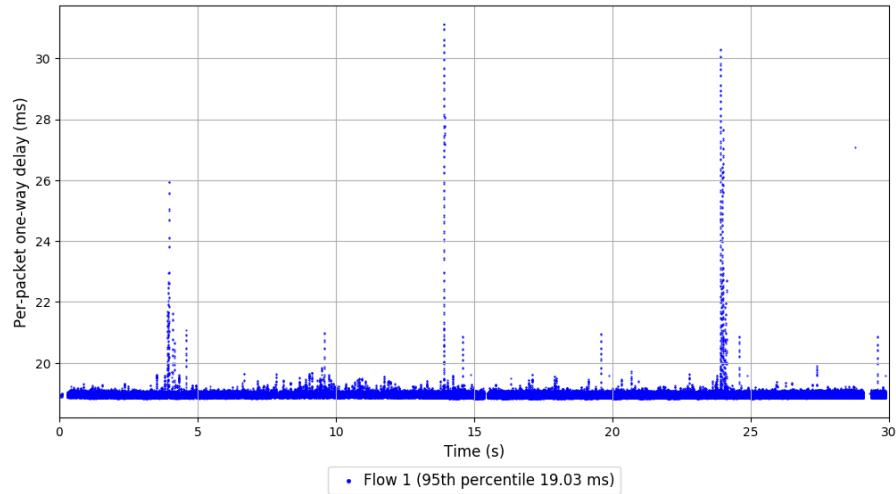
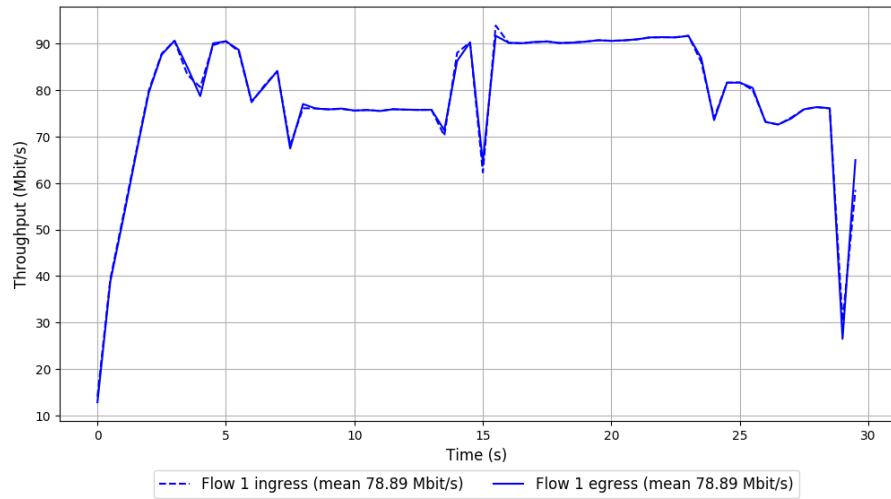


Run 9: Statistics of QUIC Cubic

```
Start at: 2017-11-30 14:42:11
End at: 2017-11-30 14:42:41
Local clock offset: 0.014 ms
Remote clock offset: -1.916 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.89 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.89 Mbit/s
95th percentile per-packet one-way delay: 19.034 ms
Loss rate: 0.00%
```

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

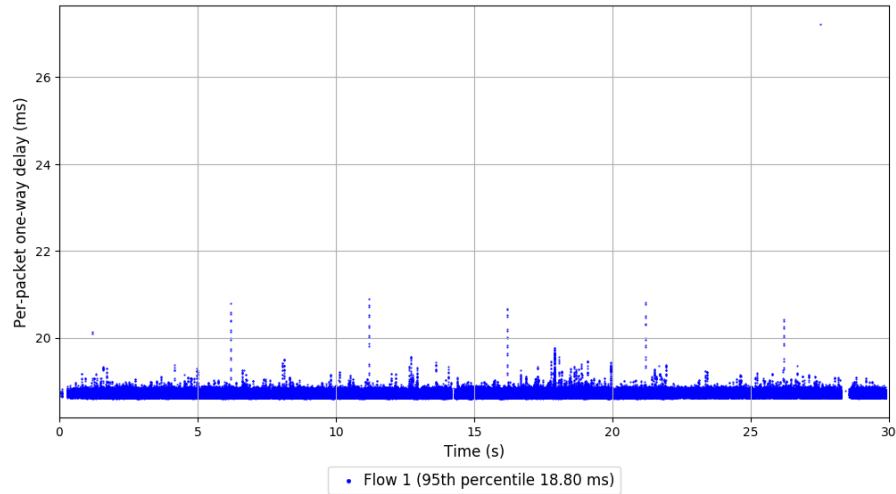
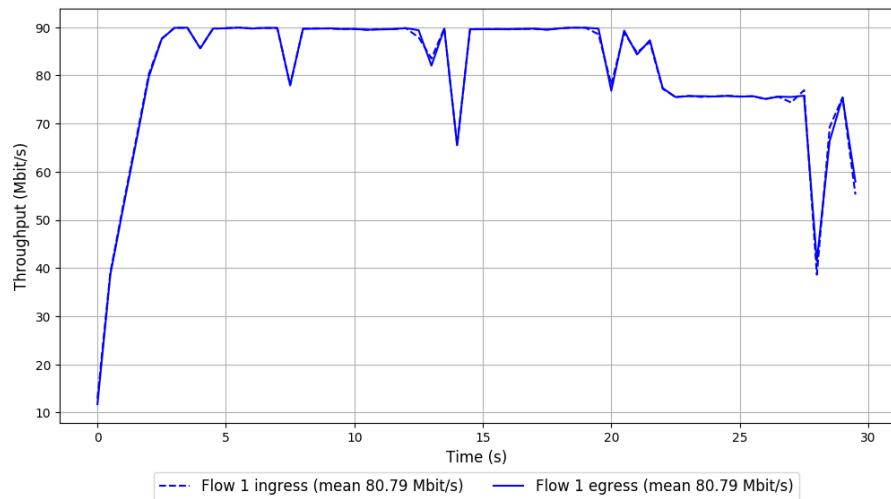


Run 10: Statistics of QUIC Cubic

```
Start at: 2017-11-30 15:00:51
End at: 2017-11-30 15:01:21
Local clock offset: -0.05 ms
Remote clock offset: -1.858 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 18.805 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 80.79 Mbit/s
95th percentile per-packet one-way delay: 18.805 ms
Loss rate: 0.01%
```

Run 10: Report of QUIC Cubic — Data Link

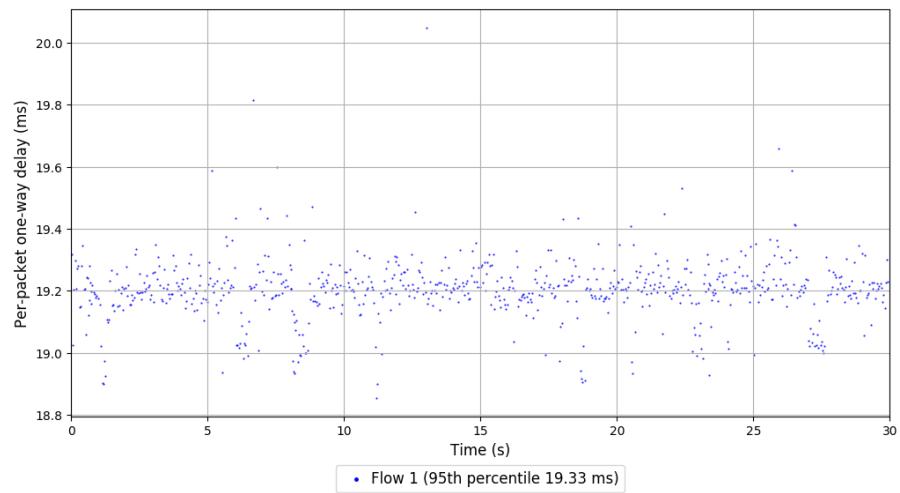
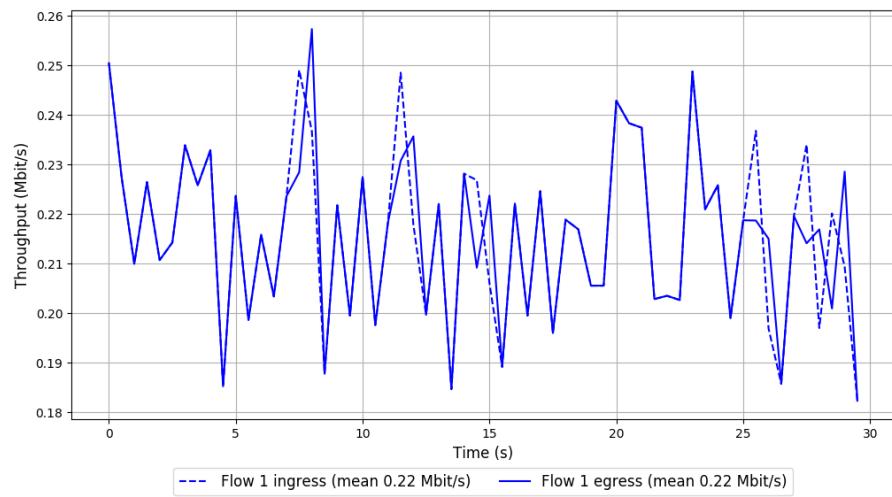


Run 1: Statistics of SCReAM

```
Start at: 2017-11-30 12:05:55
End at: 2017-11-30 12:06:25
Local clock offset: -0.074 ms
Remote clock offset: -1.377 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.332 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.332 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

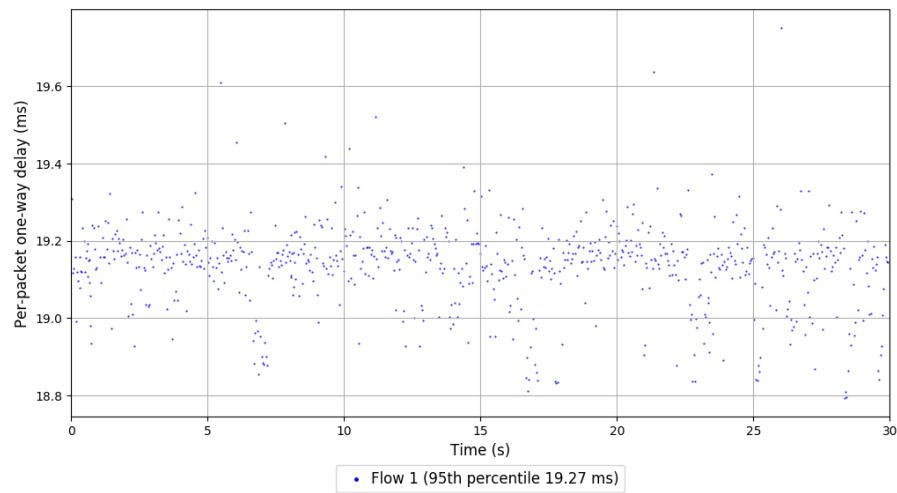
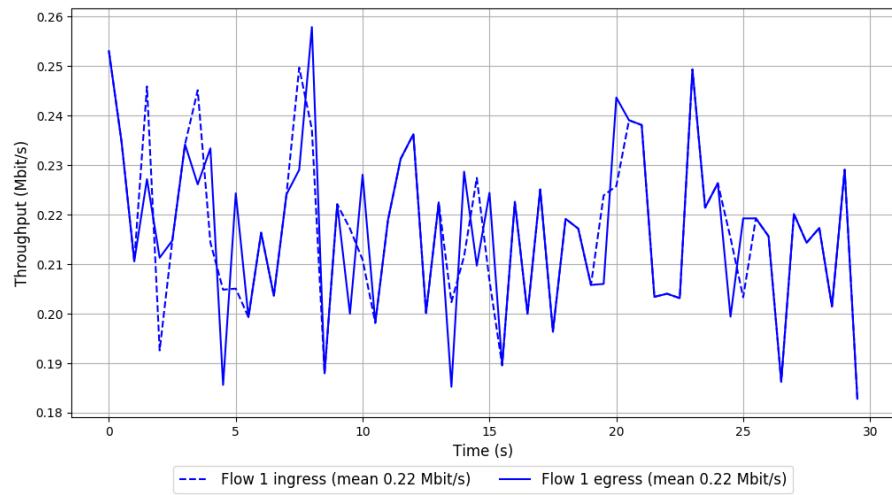


Run 2: Statistics of SCReAM

```
Start at: 2017-11-30 12:24:42
End at: 2017-11-30 12:25:12
Local clock offset: 0.001 ms
Remote clock offset: -1.786 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.275 ms
Loss rate: 0.00%
```

## Run 2: Report of SCReAM — Data Link

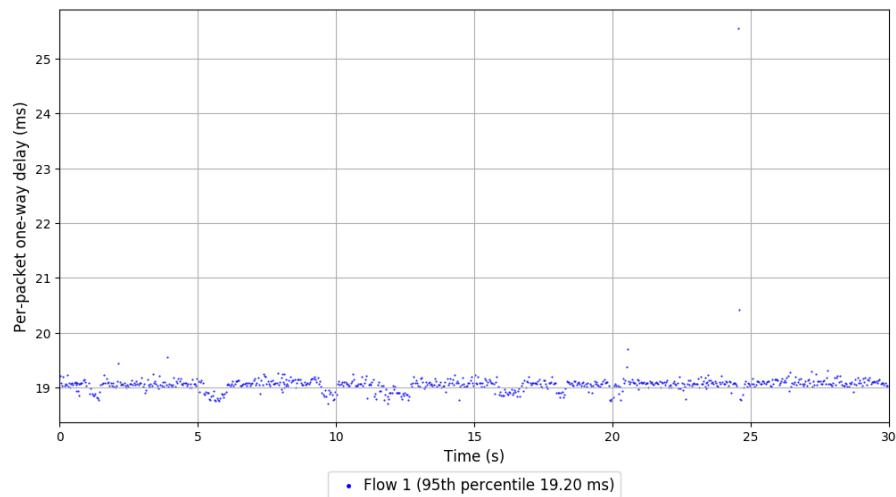
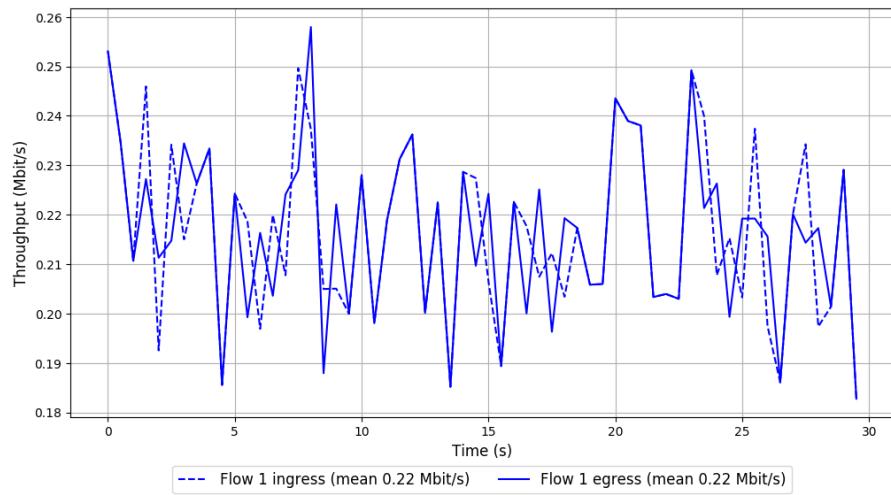


Run 3: Statistics of SCReAM

```
Start at: 2017-11-30 12:43:37
End at: 2017-11-30 12:44:07
Local clock offset: 0.008 ms
Remote clock offset: -1.873 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.196 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.196 ms
Loss rate: 0.00%
```

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

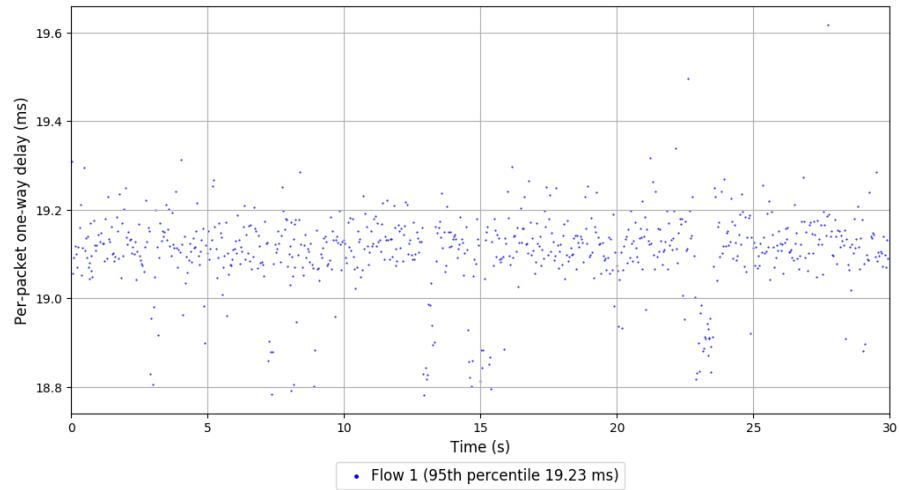
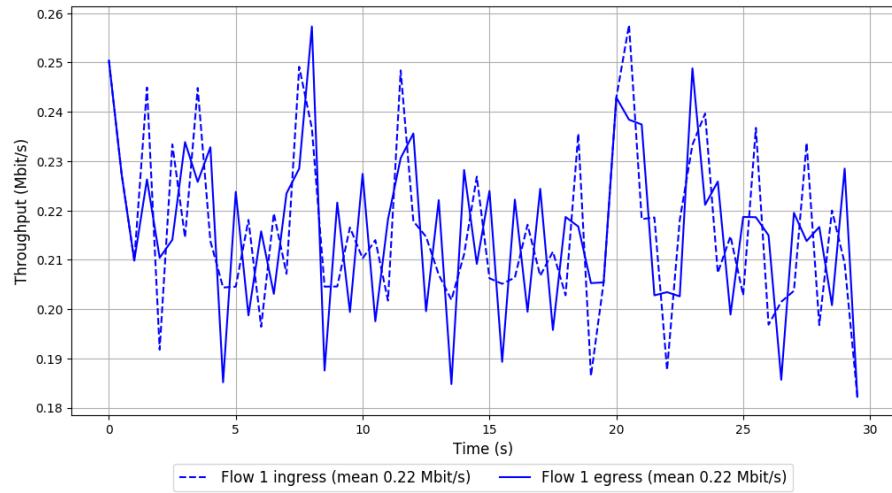


Run 4: Statistics of SCReAM

```
Start at: 2017-11-30 13:02:11
End at: 2017-11-30 13:02:41
Local clock offset: 0.097 ms
Remote clock offset: -1.79 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.229 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.229 ms
Loss rate: 0.00%
```

## Run 4: Report of SCReAM — Data Link

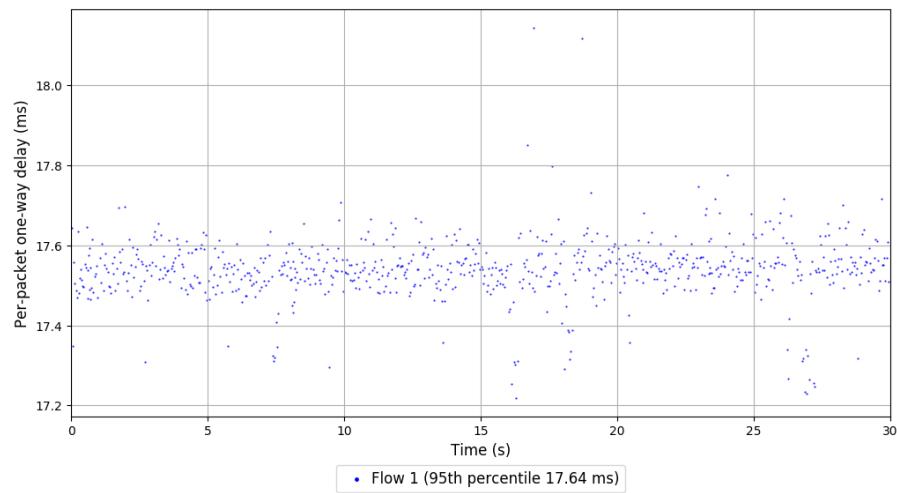
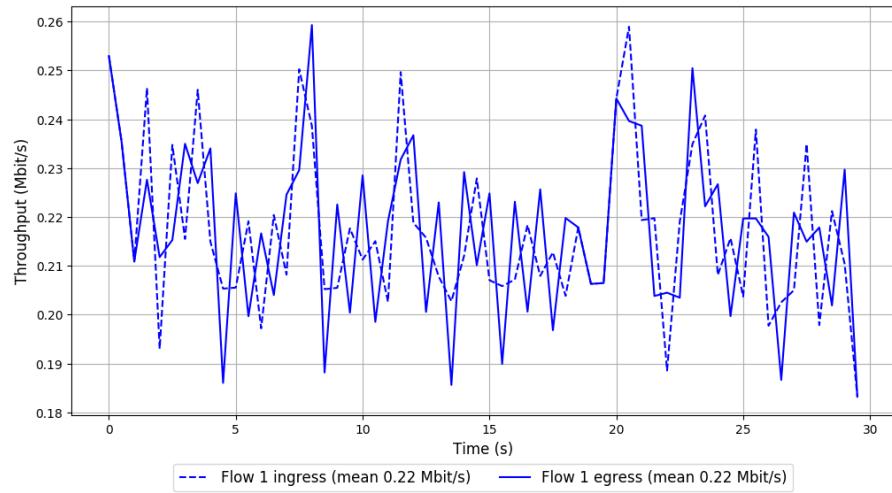


Run 5: Statistics of SCReAM

```
Start at: 2017-11-30 13:21:03
End at: 2017-11-30 13:21:33
Local clock offset: 0.096 ms
Remote clock offset: -1.677 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.643 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.643 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

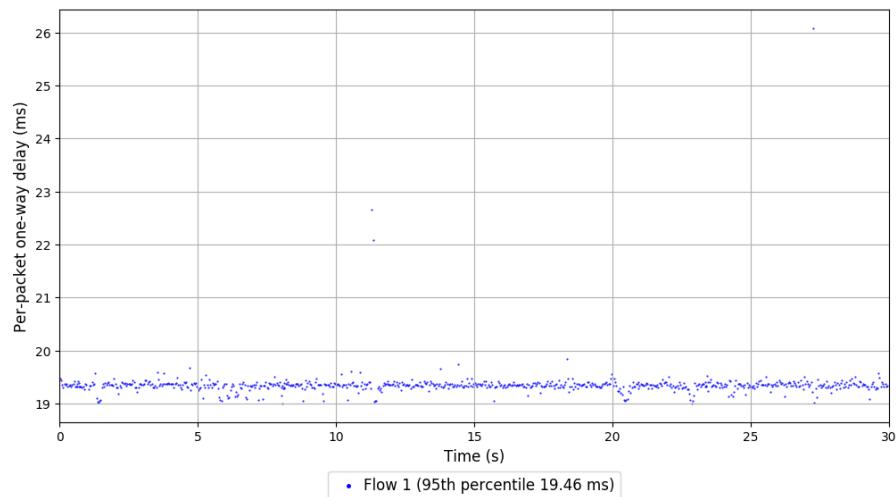
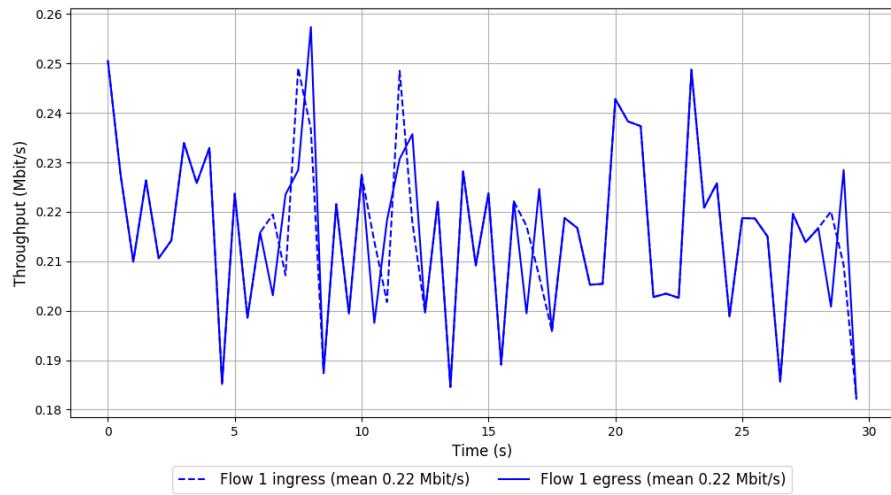


Run 6: Statistics of SCReAM

```
Start at: 2017-11-30 13:39:17
End at: 2017-11-30 13:39:47
Local clock offset: 0.041 ms
Remote clock offset: -1.399 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.457 ms
Loss rate: 0.00%
```

## Run 6: Report of SCReAM — Data Link

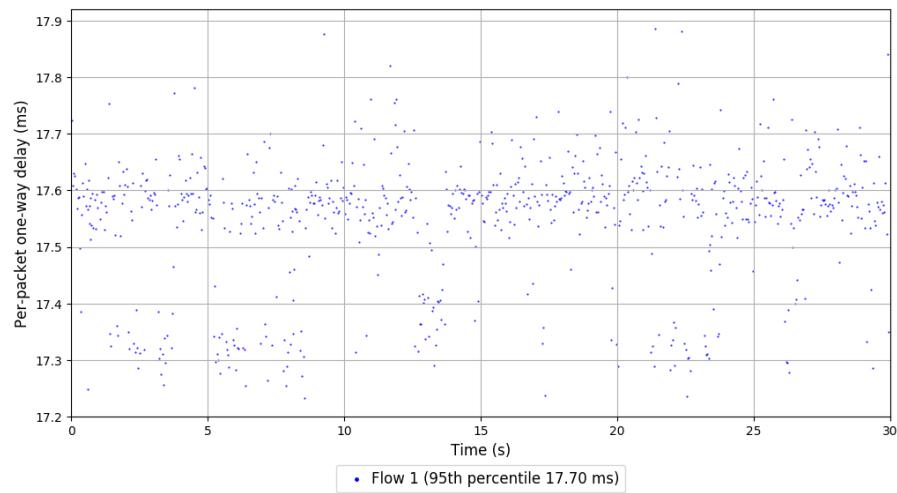
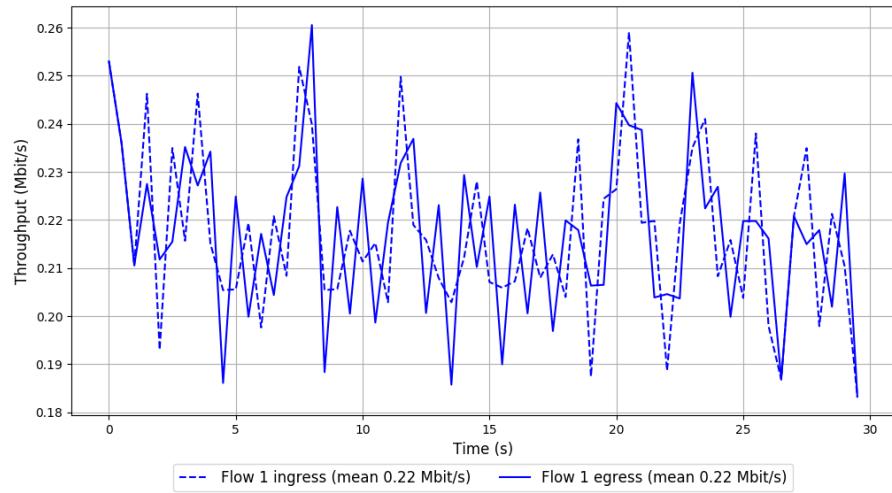


Run 7: Statistics of SCReAM

```
Start at: 2017-11-30 13:58:14
End at: 2017-11-30 13:58:44
Local clock offset: 0.155 ms
Remote clock offset: -1.585 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.701 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 17.701 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

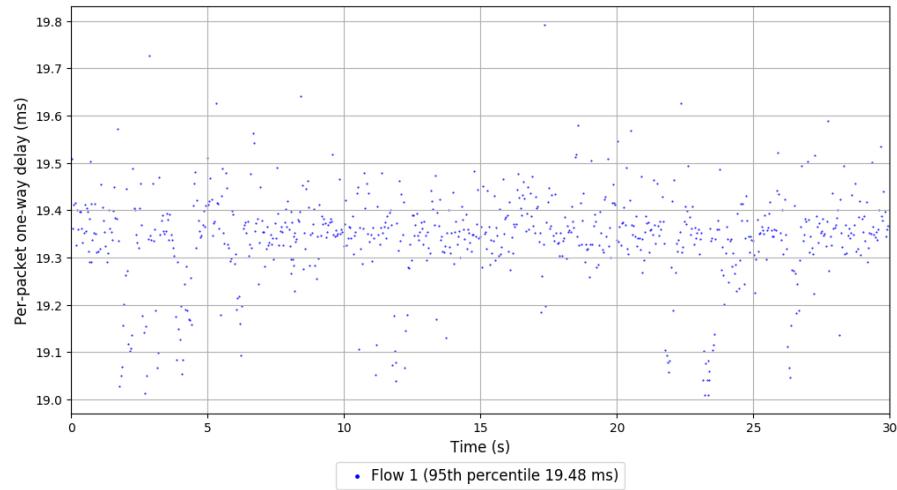
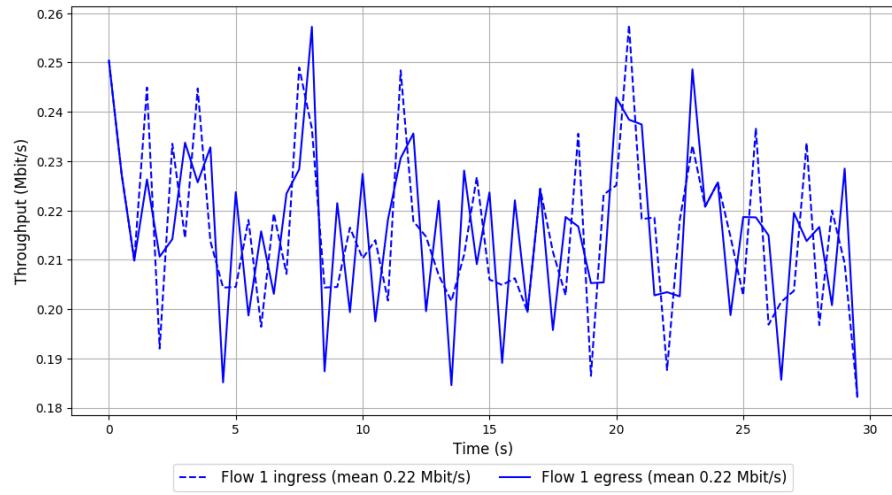


Run 8: Statistics of SCReAM

```
Start at: 2017-11-30 14:17:08
End at: 2017-11-30 14:17:38
Local clock offset: 0.021 ms
Remote clock offset: -1.389 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.478 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.478 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

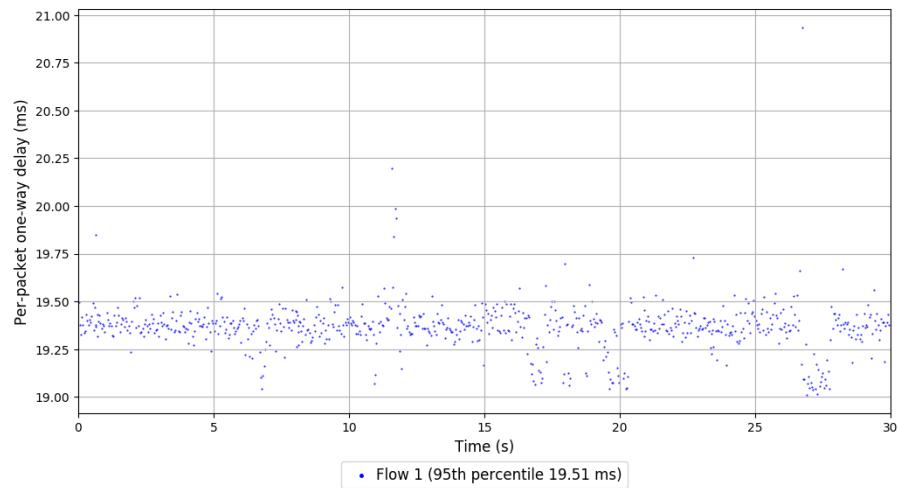
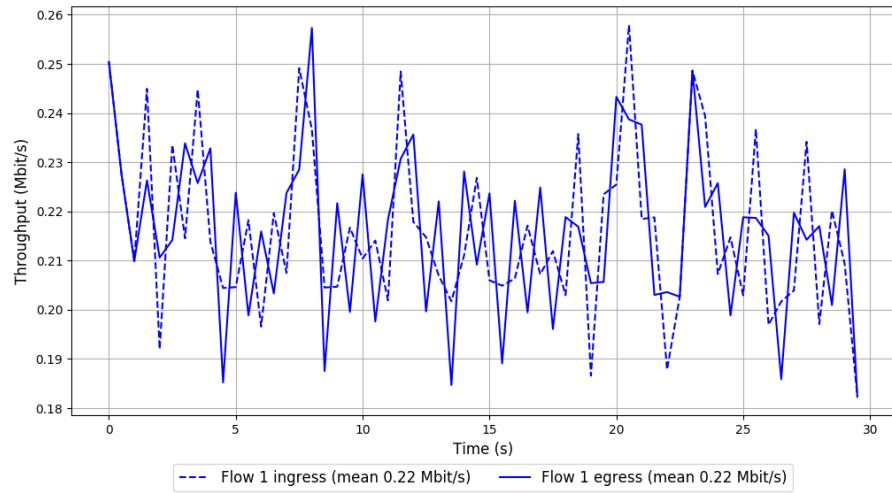


Run 9: Statistics of SCReAM

```
Start at: 2017-11-30 14:35:43
End at: 2017-11-30 14:36:13
Local clock offset: -0.037 ms
Remote clock offset: -1.67 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.510 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.510 ms
Loss rate: 0.00%
```

## Run 9: Report of SCReAM — Data Link

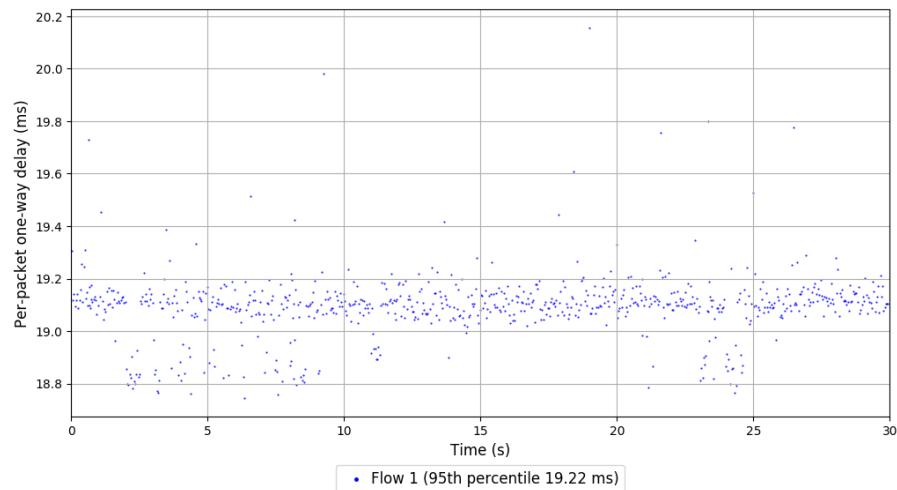
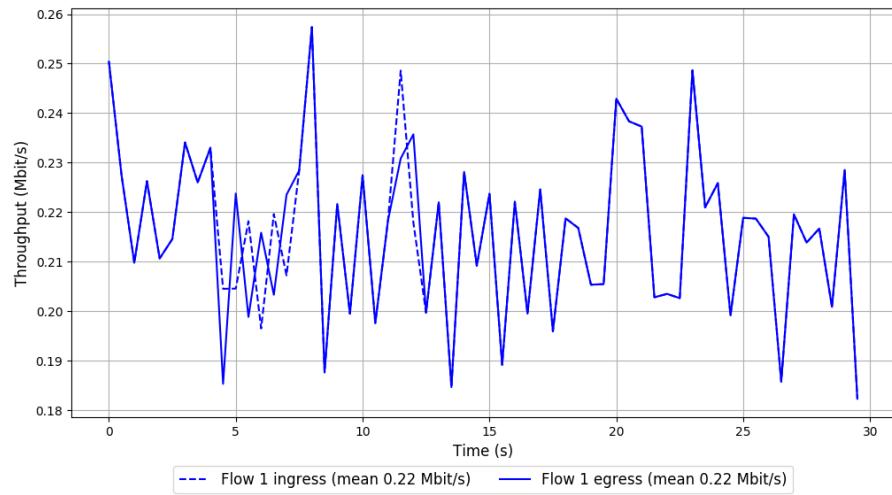


Run 10: Statistics of SCReAM

```
Start at: 2017-11-30 14:54:23
End at: 2017-11-30 14:54:53
Local clock offset: -0.02 ms
Remote clock offset: -1.812 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.223 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 19.223 ms
Loss rate: 0.00%
```

## Run 10: Report of SCReAM — Data Link

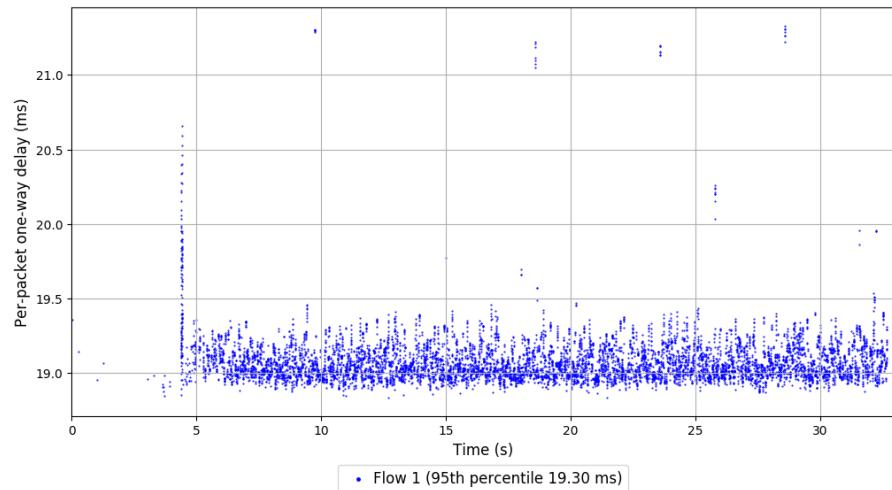
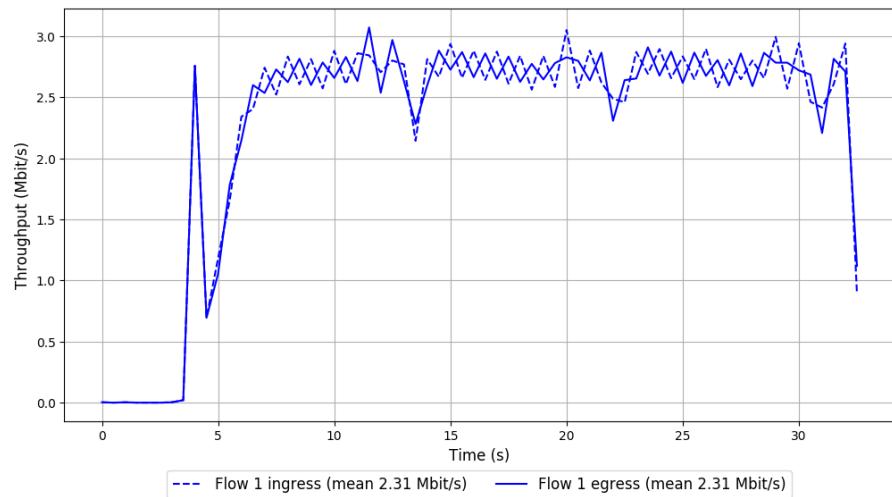


```
Run 1: Statistics of WebRTC media

Start at: 2017-11-30 12:08:26
End at: 2017-11-30 12:08:56
Local clock offset: 0.049 ms
Remote clock offset: -1.508 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.300 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.300 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

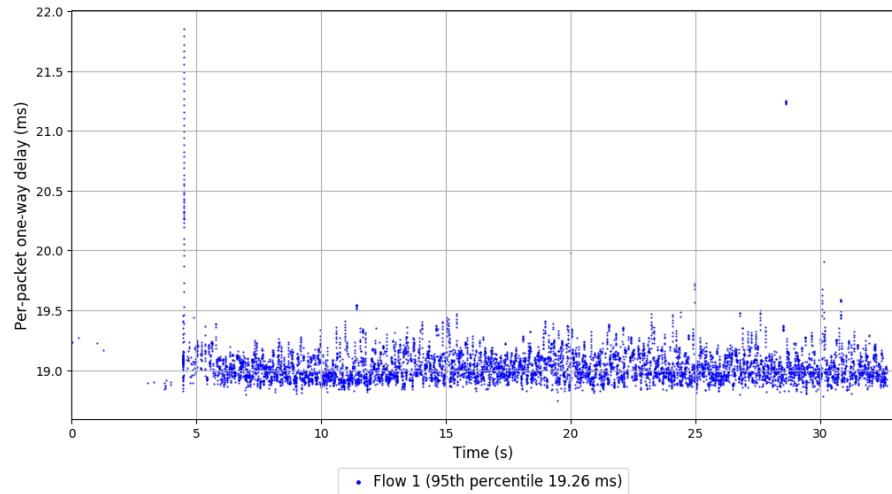
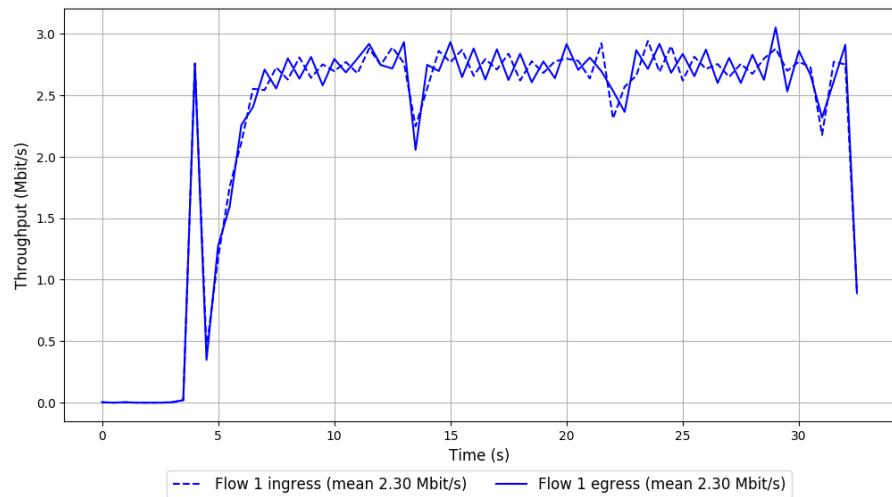


Run 2: Statistics of WebRTC media

```
Start at: 2017-11-30 12:27:13
End at: 2017-11-30 12:27:43
Local clock offset: 0.097 ms
Remote clock offset: -1.847 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.260 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.260 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

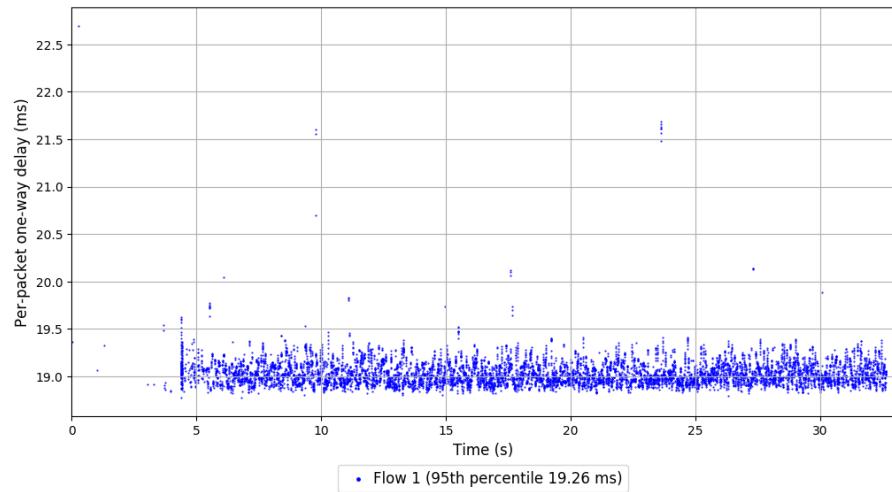
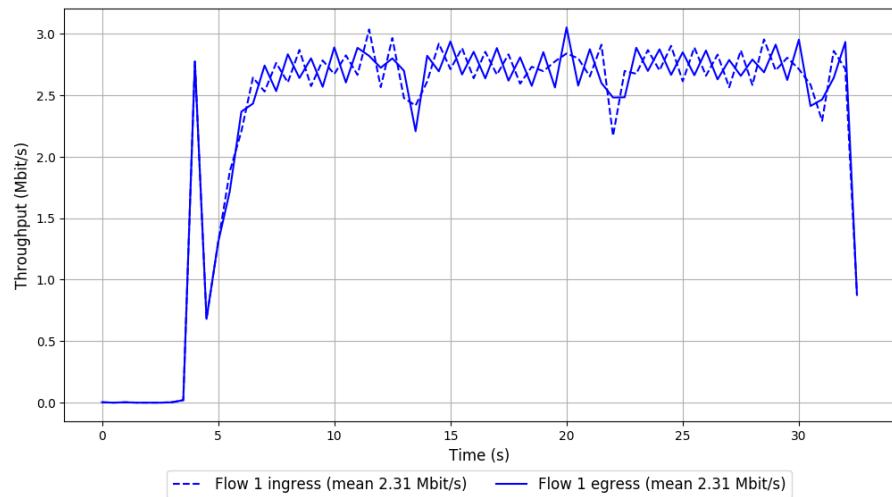


Run 3: Statistics of WebRTC media

```
Start at: 2017-11-30 12:46:07
End at: 2017-11-30 12:46:37
Local clock offset: -0.014 ms
Remote clock offset: -1.818 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.261 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

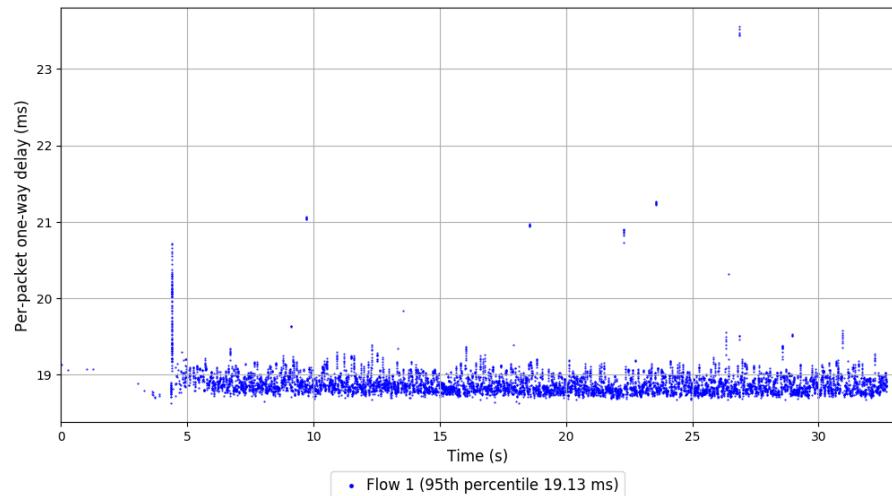
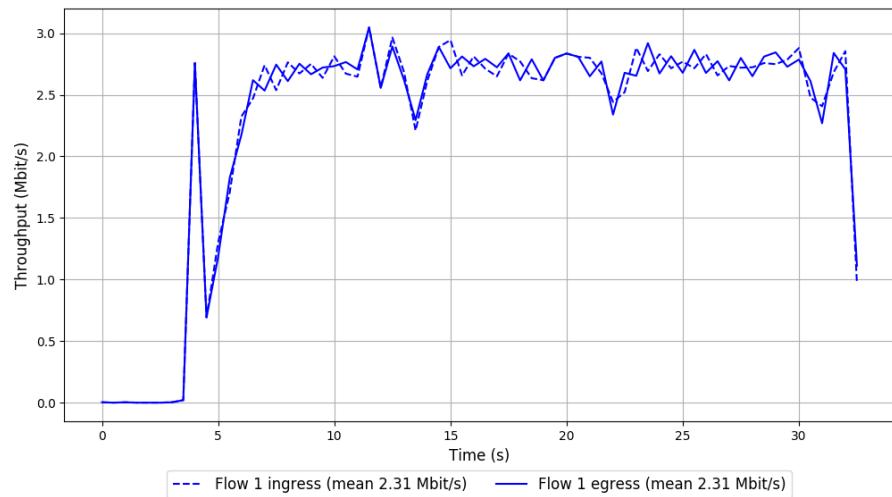


Run 4: Statistics of WebRTC media

```
Start at: 2017-11-30 13:04:41
End at: 2017-11-30 13:05:11
Local clock offset: 0.014 ms
Remote clock offset: -1.892 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.126 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

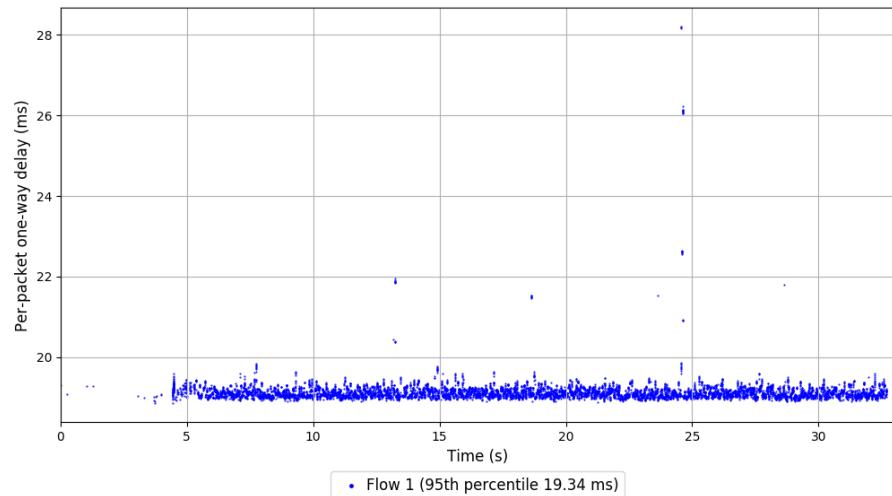
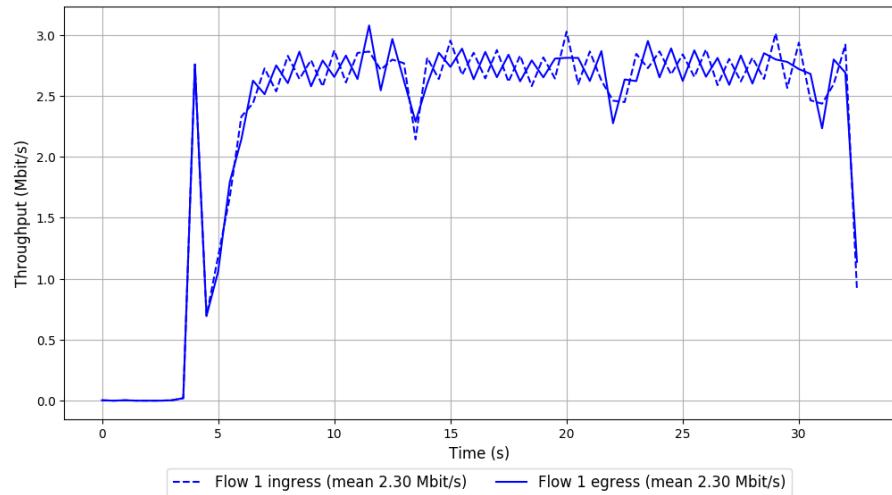


Run 5: Statistics of WebRTC media

```
Start at: 2017-11-30 13:23:33
End at: 2017-11-30 13:24:03
Local clock offset: 0.023 ms
Remote clock offset: -1.68 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.344 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.344 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

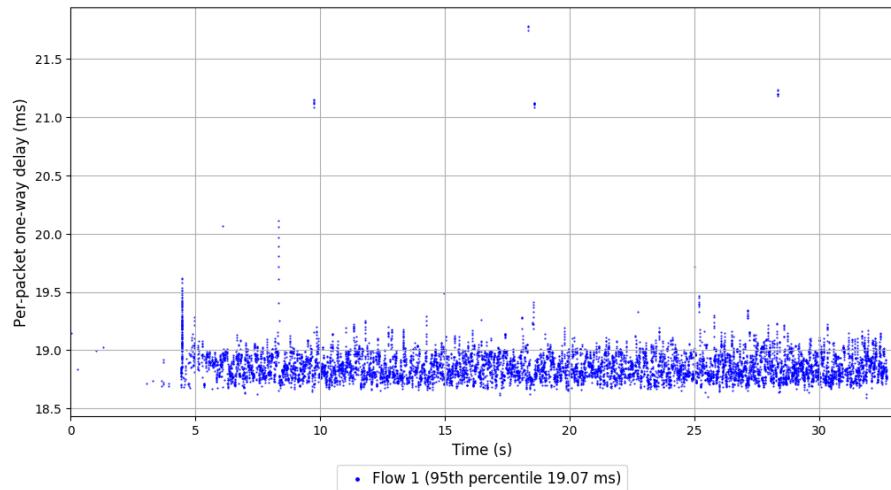
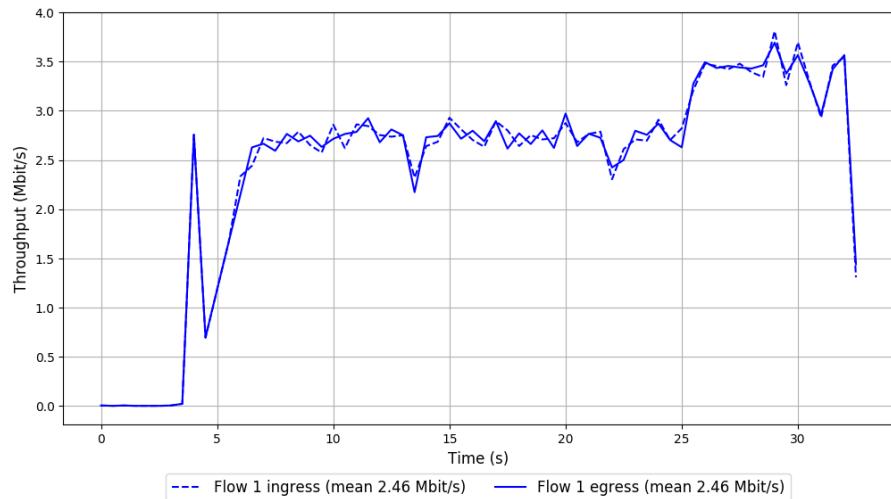


Run 6: Statistics of WebRTC media

```
Start at: 2017-11-30 13:41:48
End at: 2017-11-30 13:42:18
Local clock offset: 0.142 ms
Remote clock offset: -1.377 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 19.066 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.46 Mbit/s
95th percentile per-packet one-way delay: 19.066 ms
Loss rate: 0.01%
```

Run 6: Report of WebRTC media — Data Link

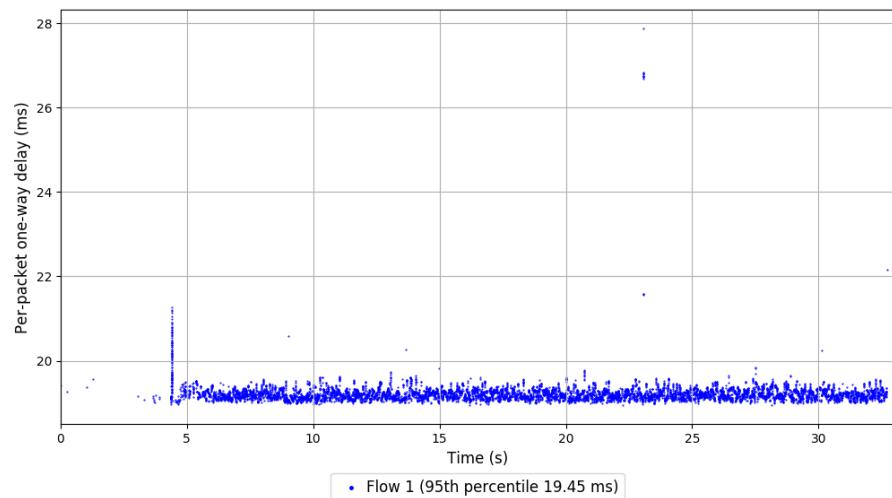
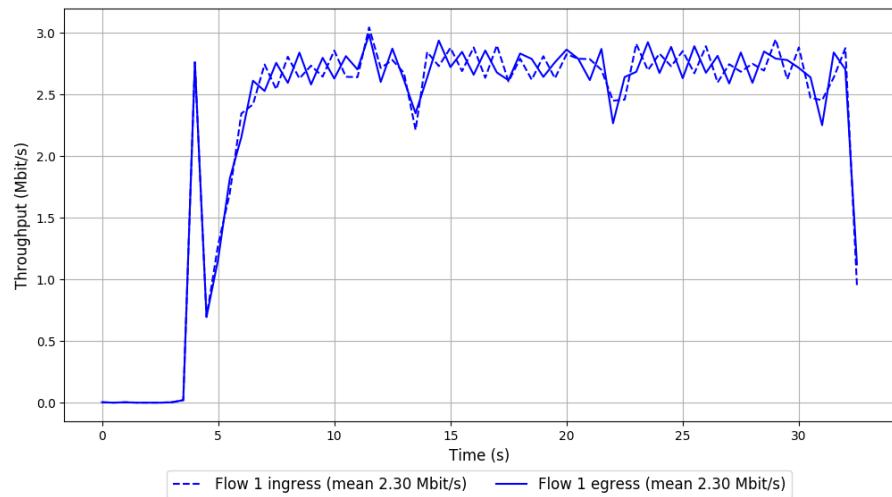


Run 7: Statistics of WebRTC media

```
Start at: 2017-11-30 14:00:44
End at: 2017-11-30 14:01:14
Local clock offset: 0.07 ms
Remote clock offset: -1.516 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 19.453 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

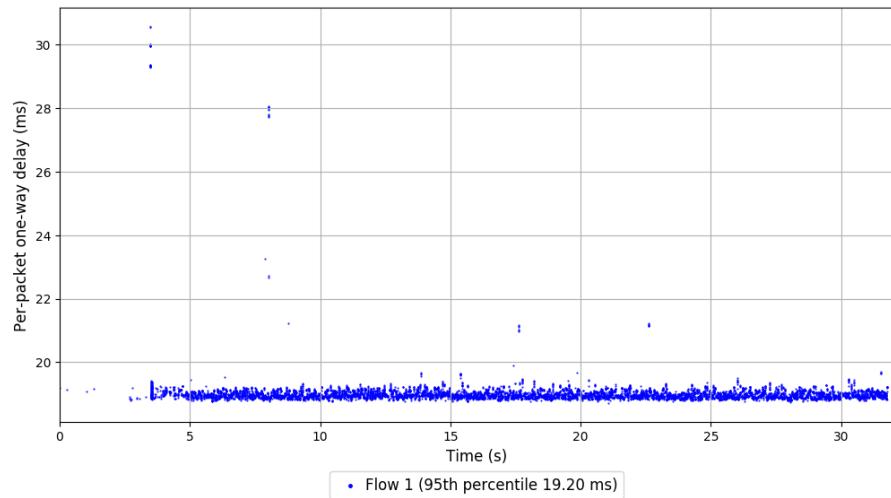
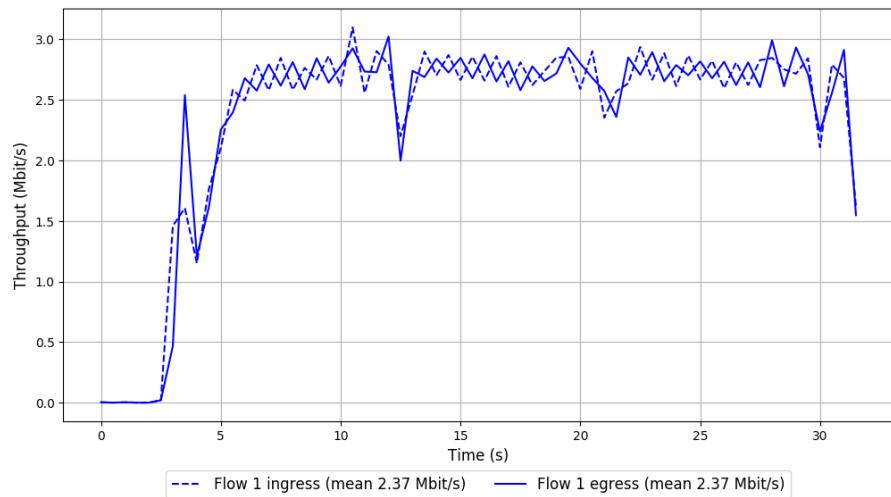


Run 8: Statistics of WebRTC media

```
Start at: 2017-11-30 14:19:39
End at: 2017-11-30 14:20:09
Local clock offset: 0.131 ms
Remote clock offset: -1.518 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 19.200 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 2.37 Mbit/s
95th percentile per-packet one-way delay: 19.200 ms
Loss rate: 0.05%
```

### Run 8: Report of WebRTC media — Data Link

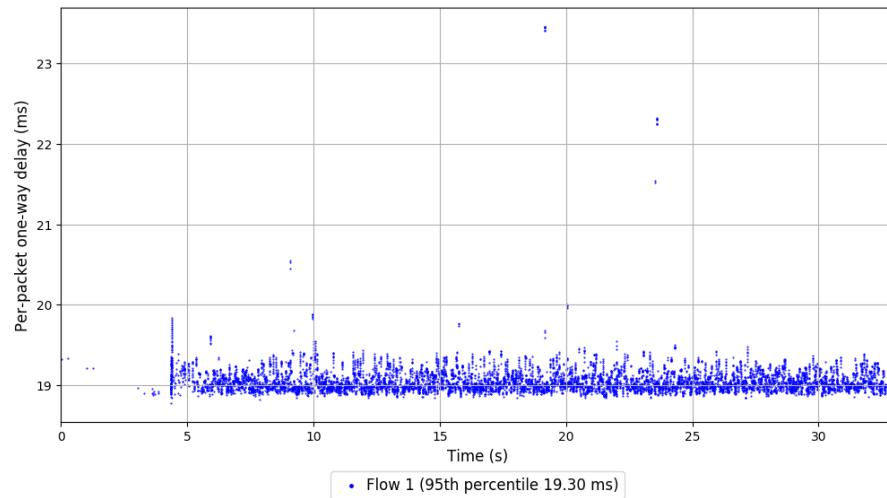
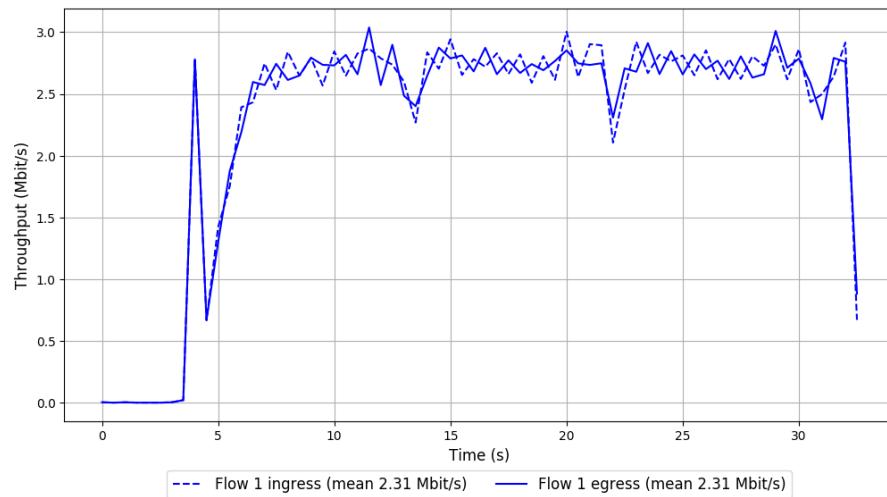


Run 9: Statistics of WebRTC media

```
Start at: 2017-11-30 14:38:13
End at: 2017-11-30 14:38:43
Local clock offset: 0.011 ms
Remote clock offset: -1.841 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.298 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

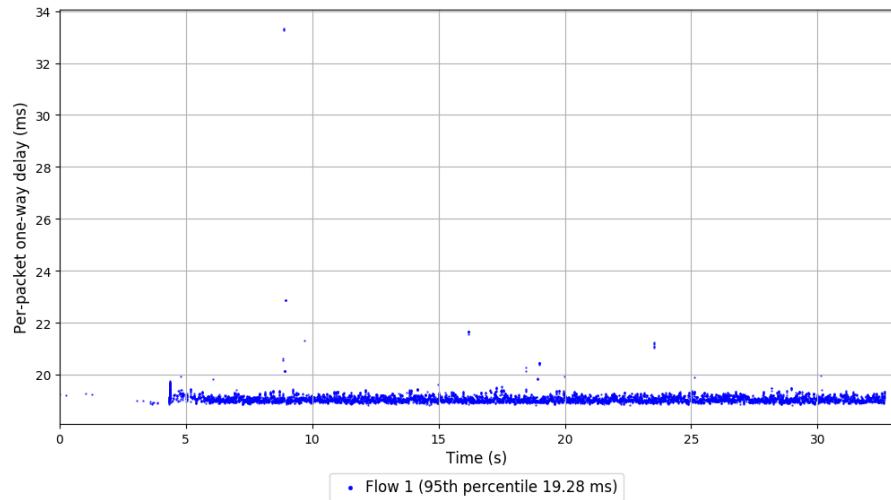
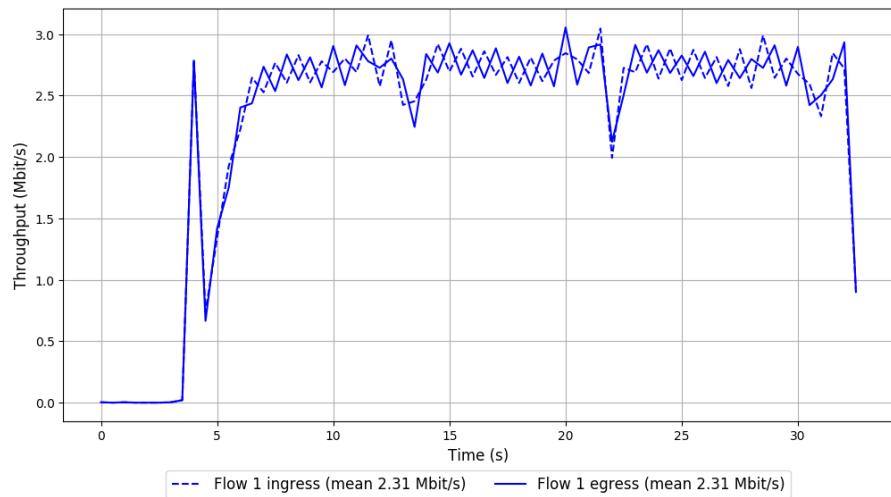


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2017-11-30 14:56:54
End at: 2017-11-30 14:57:24
Local clock offset: -0.005 ms
Remote clock offset: -1.852 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.283 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.31 Mbit/s
95th percentile per-packet one-way delay: 19.283 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

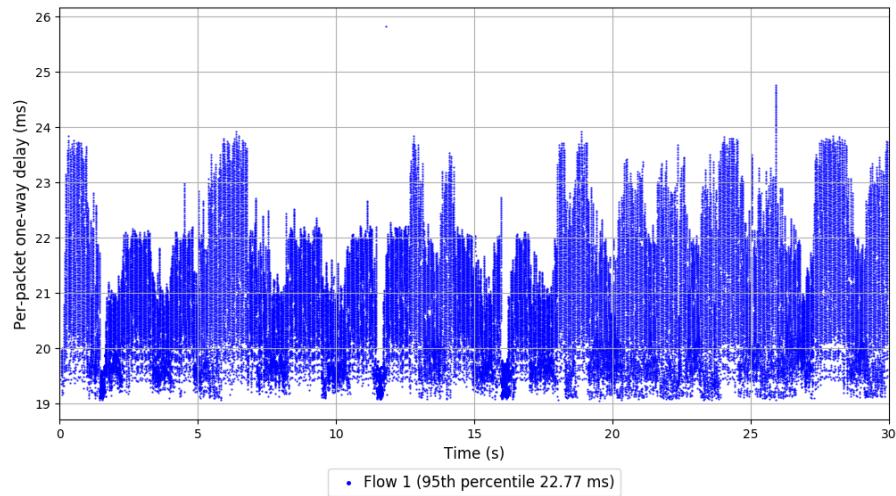
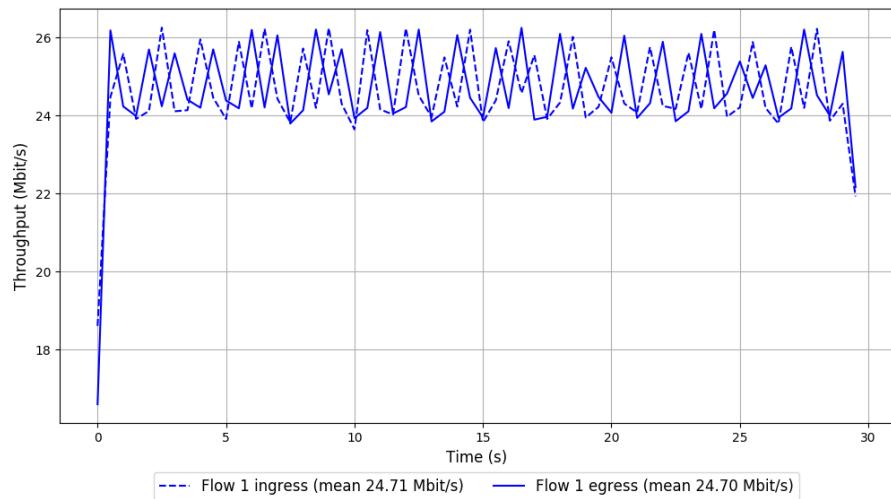


Run 1: Statistics of Sprout

```
Start at: 2017-11-30 12:11:12
End at: 2017-11-30 12:11:42
Local clock offset: -0.037 ms
Remote clock offset: -1.524 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.772 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

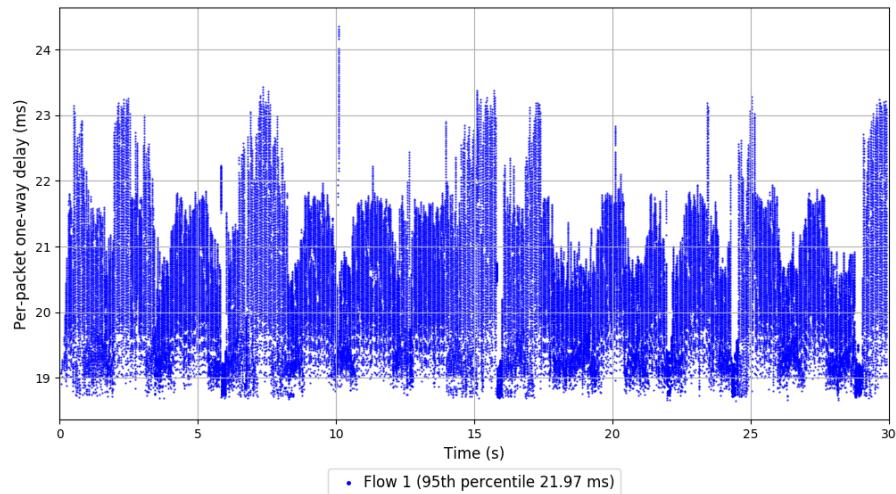
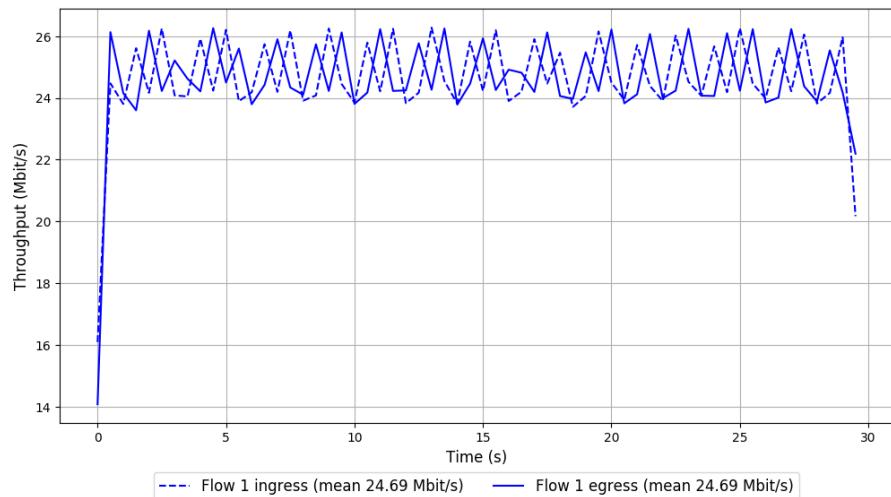


Run 2: Statistics of Sprout

```
Start at: 2017-11-30 12:29:58
End at: 2017-11-30 12:30:28
Local clock offset: 0.112 ms
Remote clock offset: -1.771 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 21.973 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 21.973 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

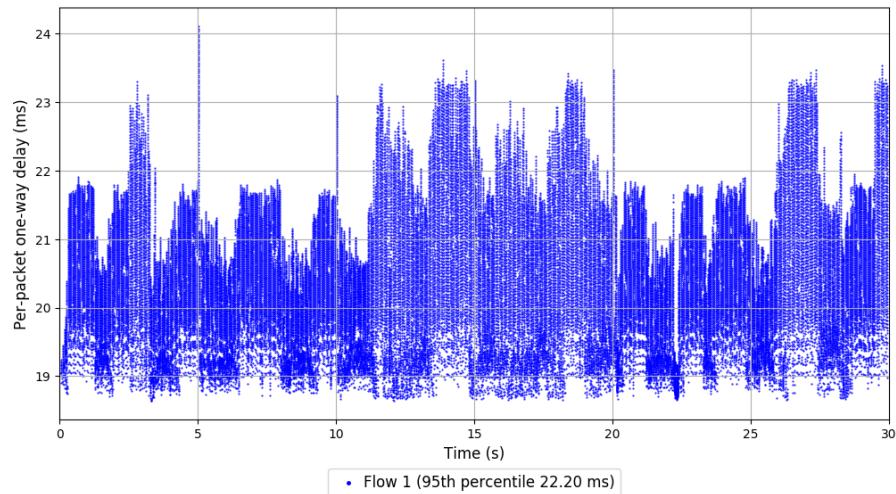
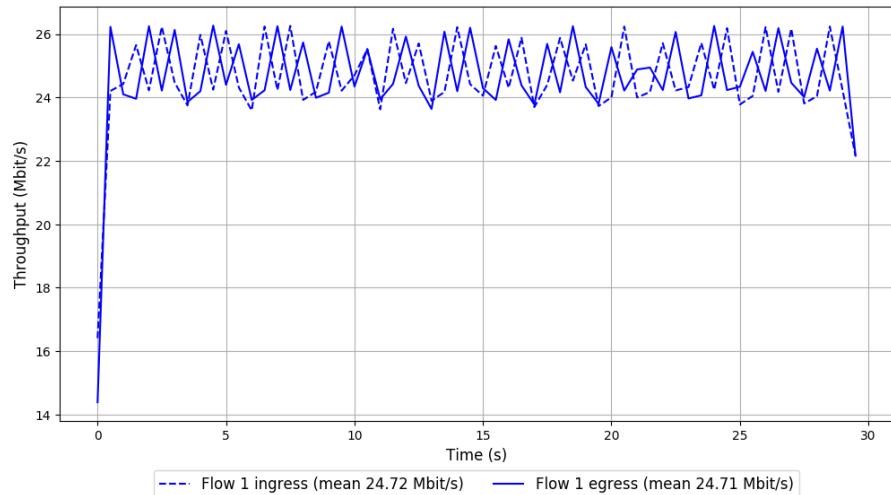


Run 3: Statistics of Sprout

```
Start at: 2017-11-30 12:48:54
End at: 2017-11-30 12:49:24
Local clock offset: 0.106 ms
Remote clock offset: -1.962 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 22.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.71 Mbit/s
95th percentile per-packet one-way delay: 22.197 ms
Loss rate: 0.00%
```

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

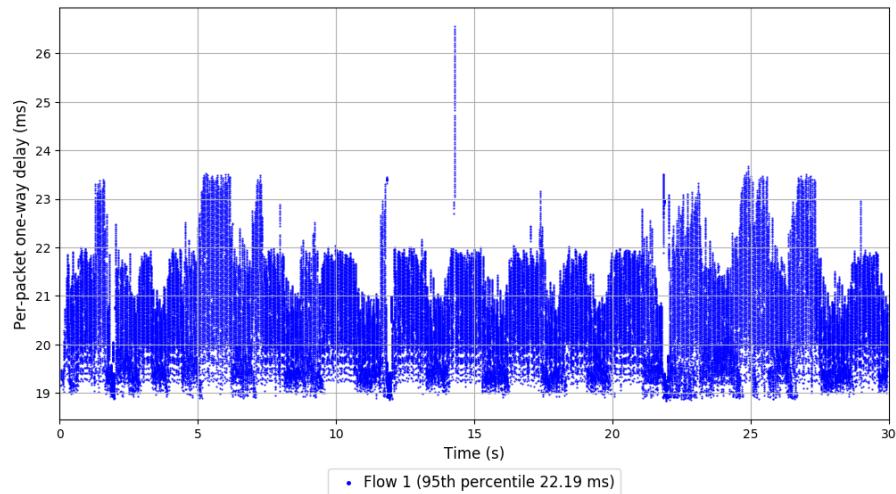
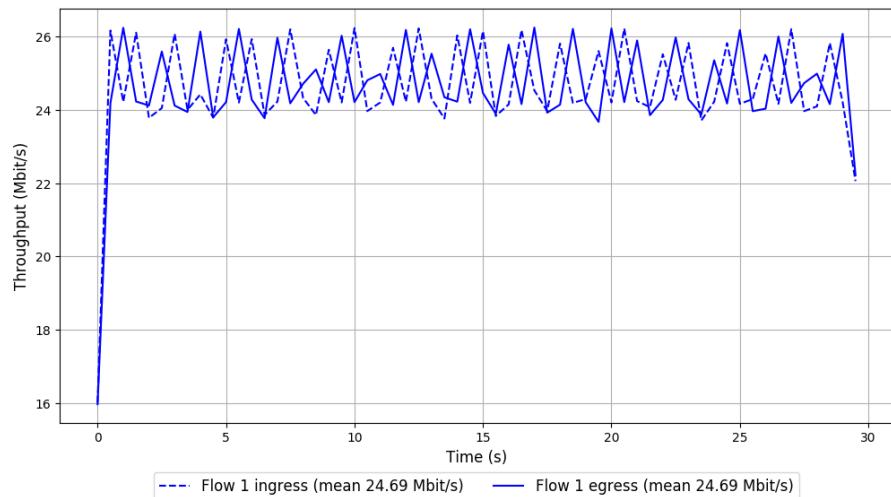


Run 4: Statistics of Sprout

```
Start at: 2017-11-30 13:07:27
End at: 2017-11-30 13:07:57
Local clock offset: 0.103 ms
Remote clock offset: -1.844 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 22.193 ms
Loss rate: 0.00%
```

## Run 4: Report of Sprout — Data Link

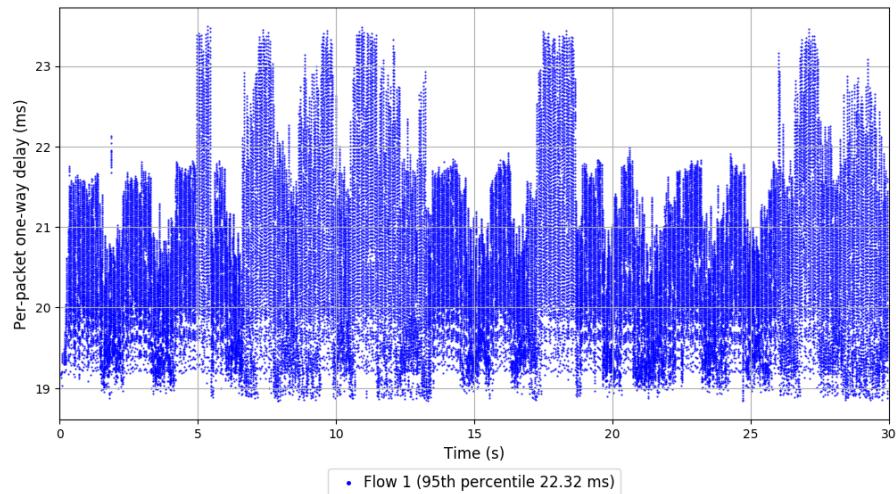
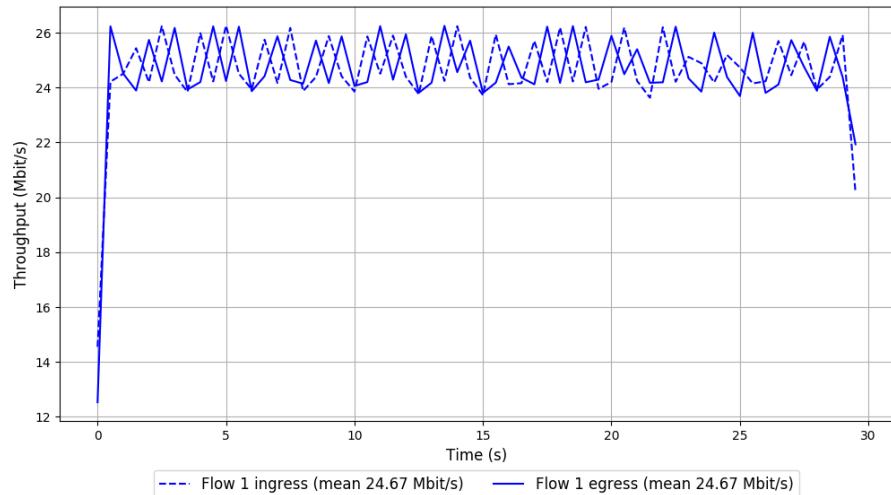


Run 5: Statistics of Sprout

```
Start at: 2017-11-30 13:26:20
End at: 2017-11-30 13:26:50
Local clock offset: 0.119 ms
Remote clock offset: -1.666 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 22.321 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.67 Mbit/s
95th percentile per-packet one-way delay: 22.321 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

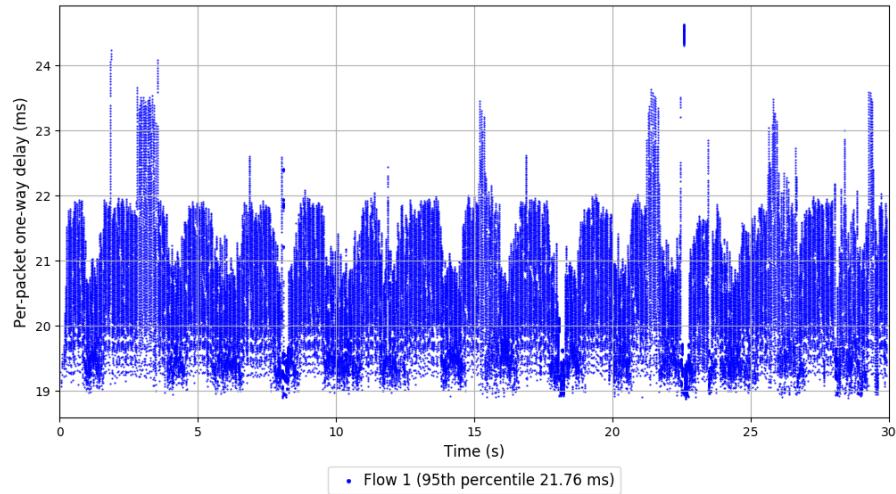
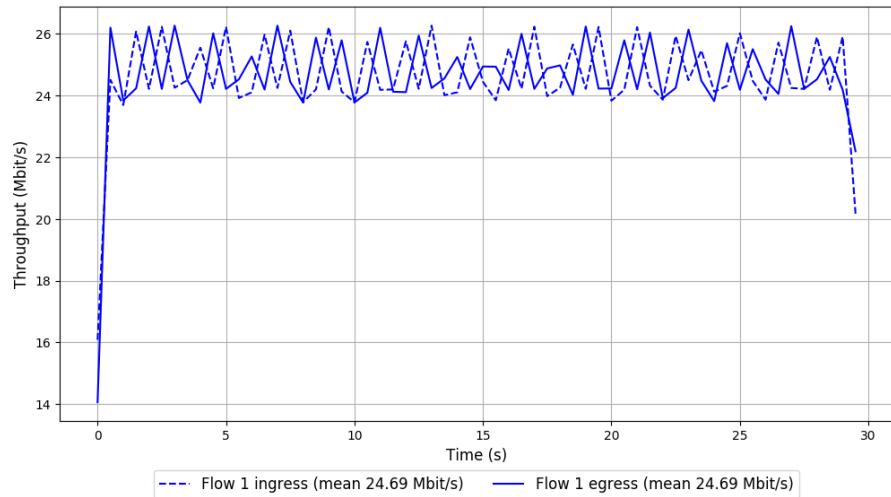


Run 6: Statistics of Sprout

```
Start at: 2017-11-30 13:44:36
End at: 2017-11-30 13:45:06
Local clock offset: 0.137 ms
Remote clock offset: -1.444 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 21.764 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.69 Mbit/s
95th percentile per-packet one-way delay: 21.764 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

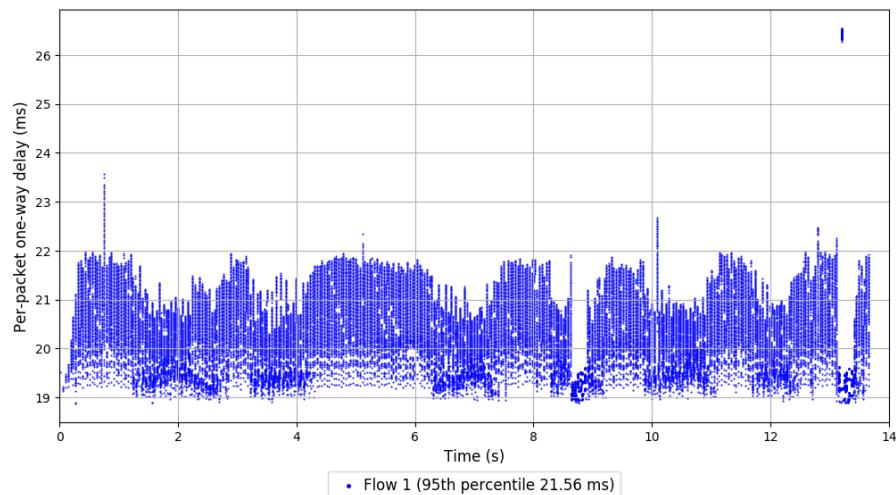
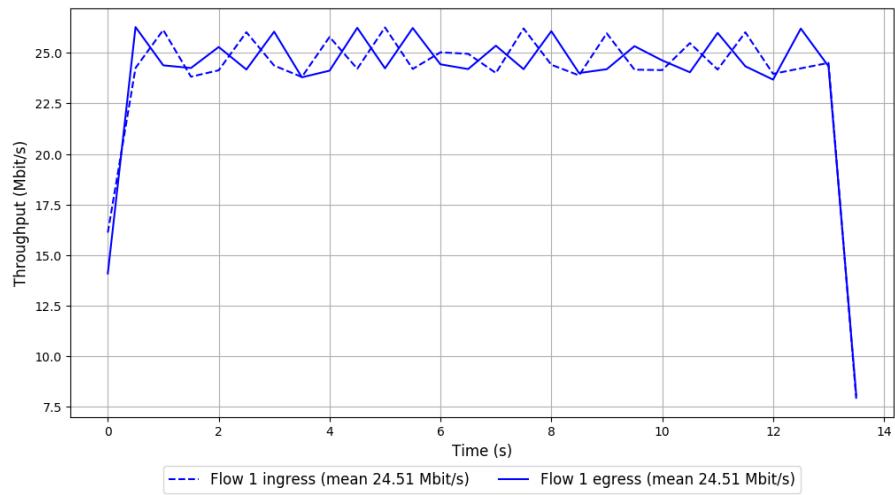
Start at: 2017-11-30 14:03:30

End at: 2017-11-30 14:04:00

Local clock offset: 0.159 ms

Remote clock offset: -1.57 ms

Run 7: Report of Sprout — Data Link

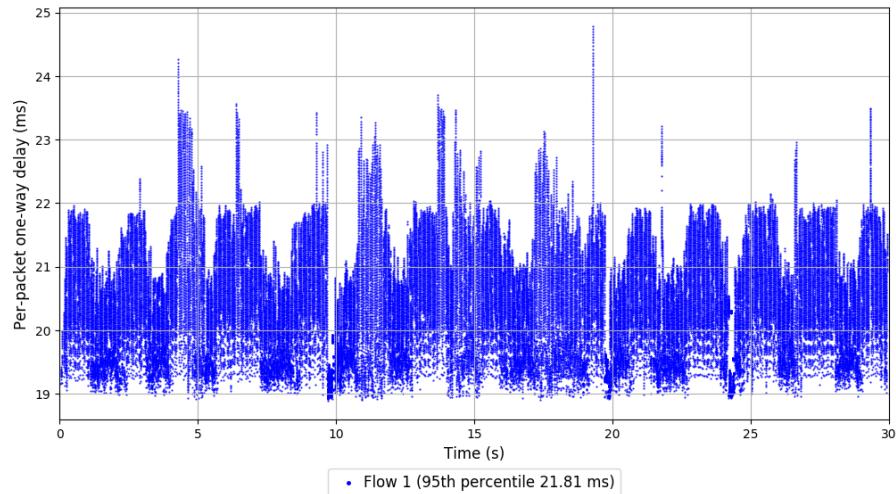
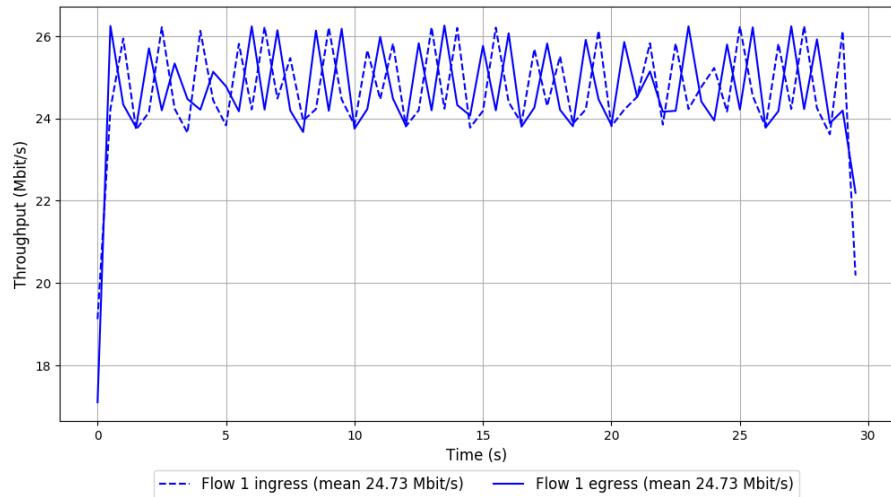


Run 8: Statistics of Sprout

```
Start at: 2017-11-30 14:22:25
End at: 2017-11-30 14:22:55
Local clock offset: 0.102 ms
Remote clock offset: -1.492 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 21.810 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.73 Mbit/s
95th percentile per-packet one-way delay: 21.810 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

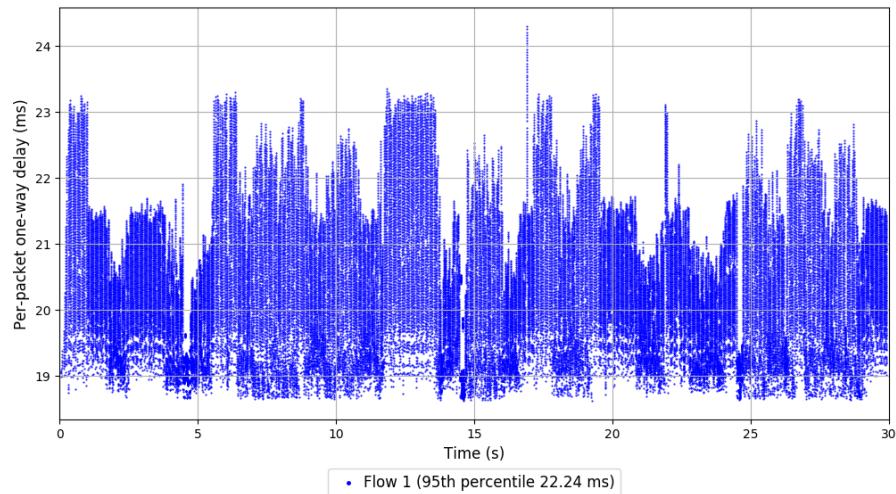
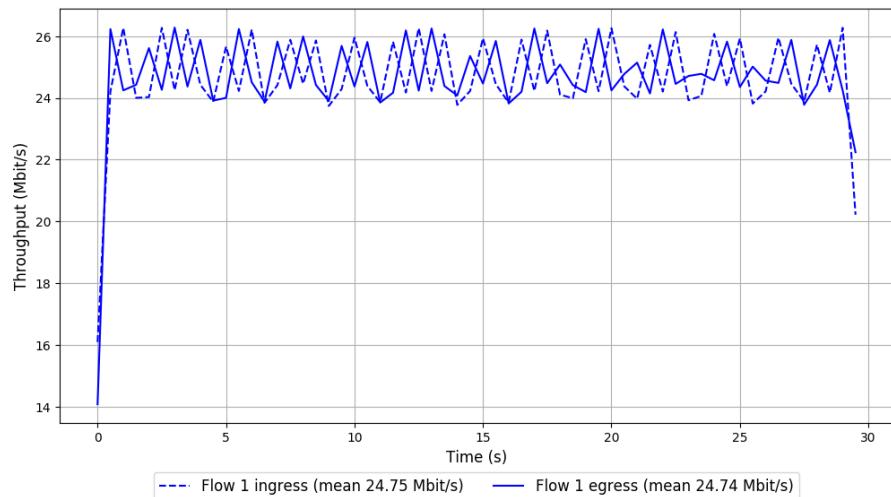


Run 9: Statistics of Sprout

```
Start at: 2017-11-30 14:41:00
End at: 2017-11-30 14:41:30
Local clock offset: 0.012 ms
Remote clock offset: -1.91 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.238 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.74 Mbit/s
95th percentile per-packet one-way delay: 22.238 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

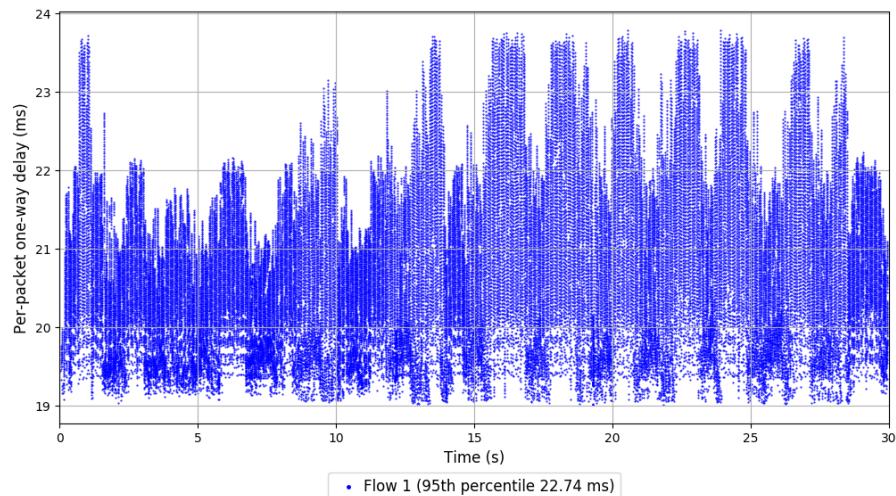
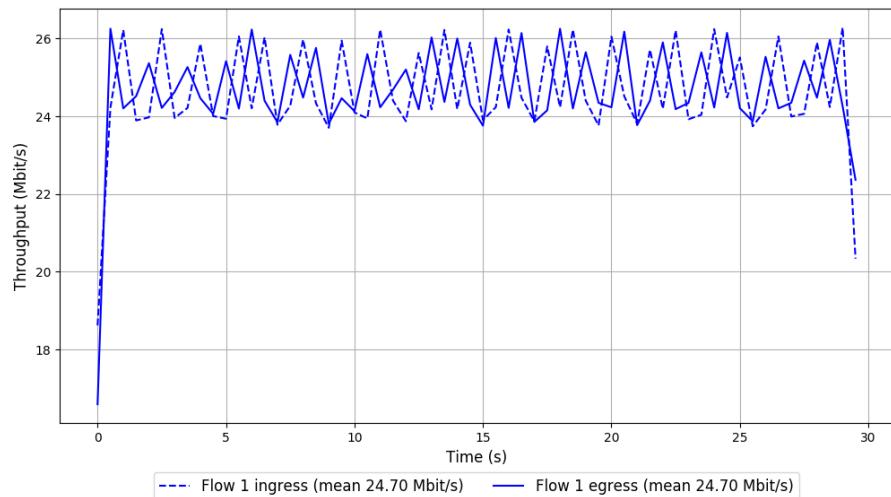


Run 10: Statistics of Sprout

```
Start at: 2017-11-30 14:59:40
End at: 2017-11-30 15:00:10
Local clock offset: -0.116 ms
Remote clock offset: -1.818 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 24.70 Mbit/s
95th percentile per-packet one-way delay: 22.743 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

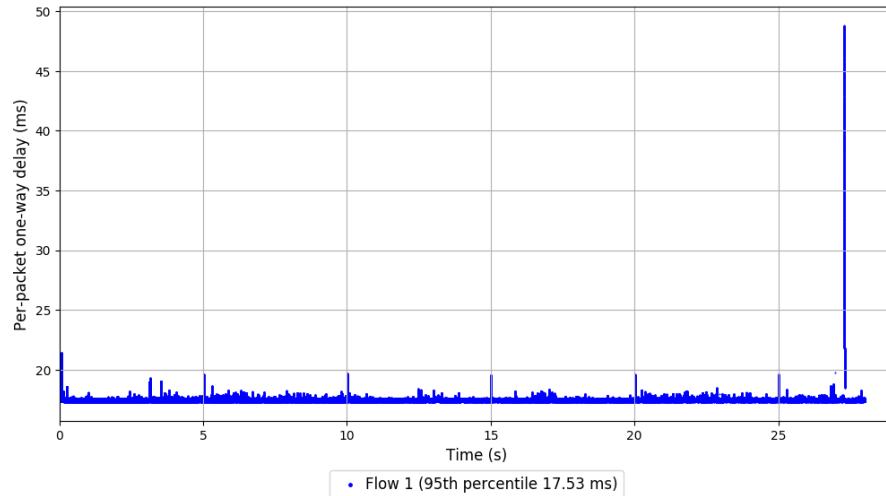
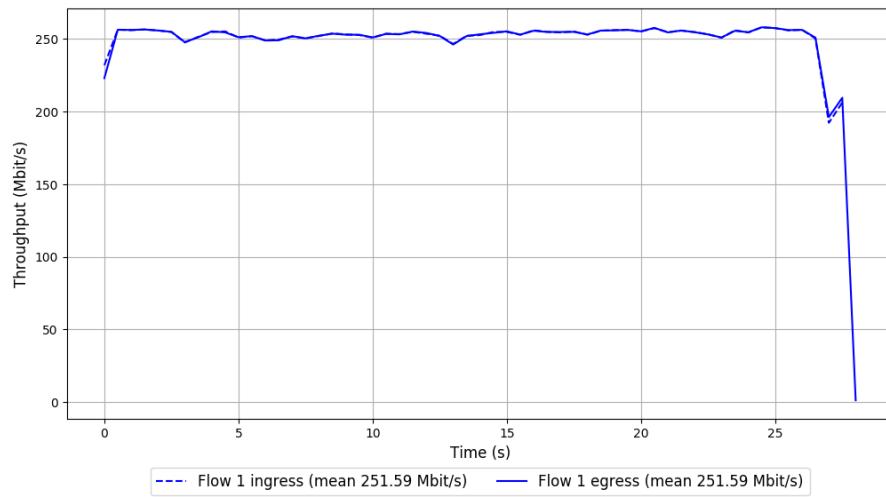


Run 1: Statistics of TaoVA-100x

```
Start at: 2017-11-30 12:02:01
End at: 2017-11-30 12:02:31
Local clock offset: -0.051 ms
Remote clock offset: -1.345 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 251.59 Mbit/s
95th percentile per-packet one-way delay: 17.527 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 251.59 Mbit/s
95th percentile per-packet one-way delay: 17.527 ms
Loss rate: 0.00%
```

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

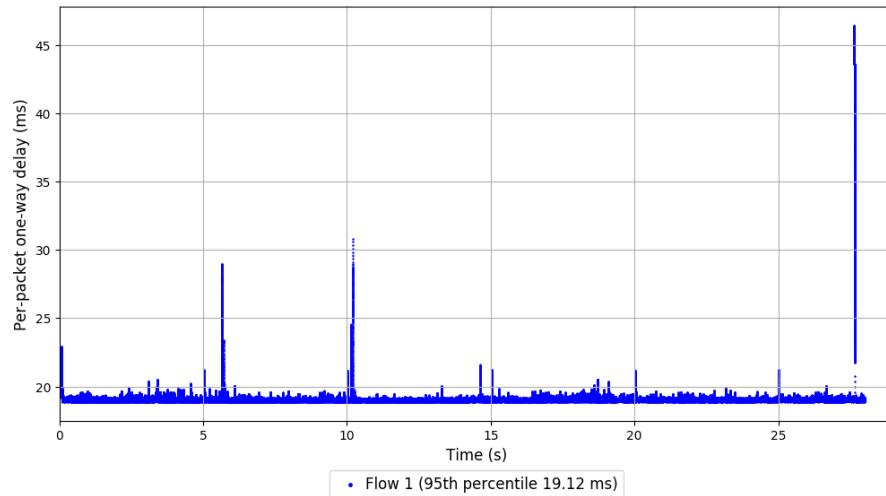
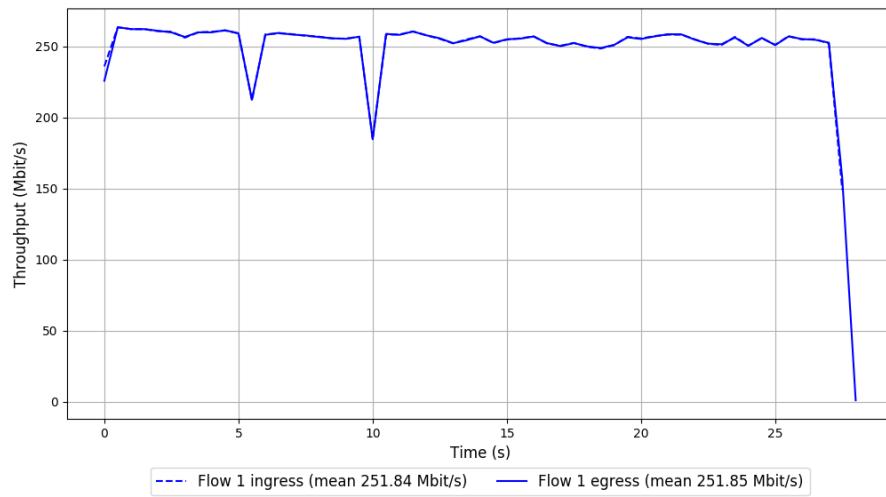


Run 2: Statistics of TaoVA-100x

```
Start at: 2017-11-30 12:20:48
End at: 2017-11-30 12:21:18
Local clock offset: 0.096 ms
Remote clock offset: -1.784 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 251.85 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 251.85 Mbit/s
95th percentile per-packet one-way delay: 19.124 ms
Loss rate: 0.01%
```

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

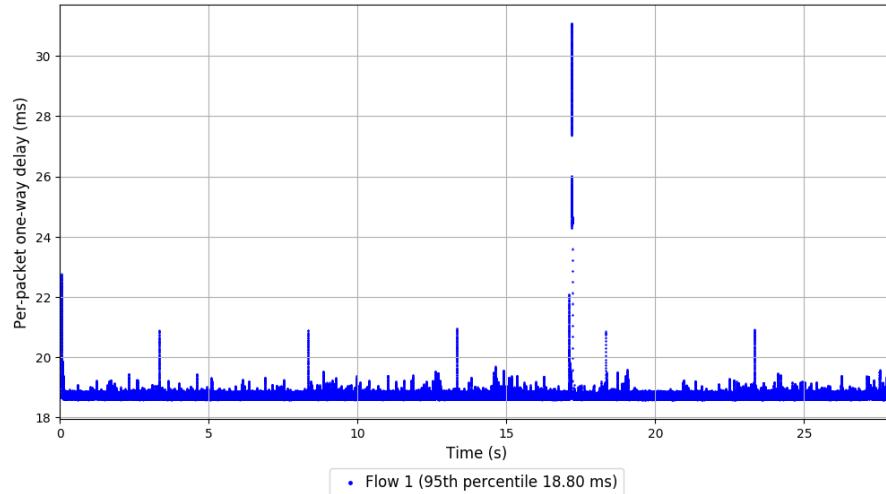
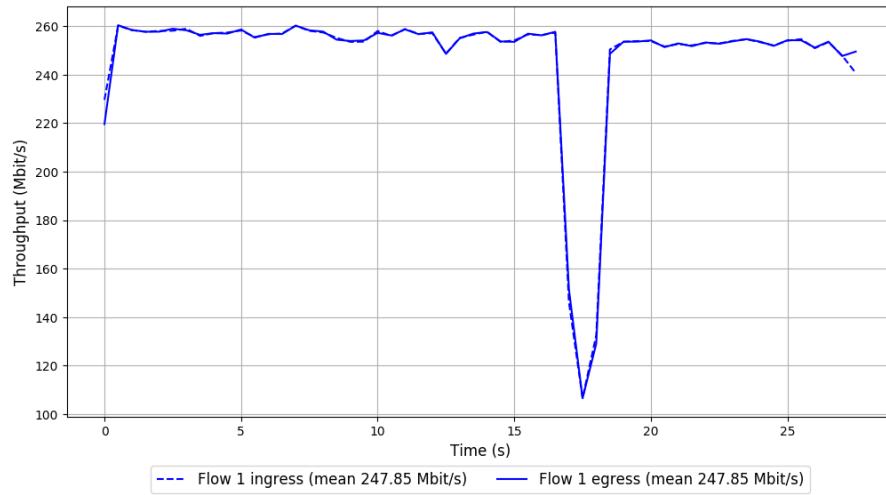


Run 3: Statistics of TaoVA-100x

```
Start at: 2017-11-30 12:39:35
End at: 2017-11-30 12:40:05
Local clock offset: 0.087 ms
Remote clock offset: -1.802 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 247.85 Mbit/s
95th percentile per-packet one-way delay: 18.805 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 247.85 Mbit/s
95th percentile per-packet one-way delay: 18.805 ms
Loss rate: 0.01%
```

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

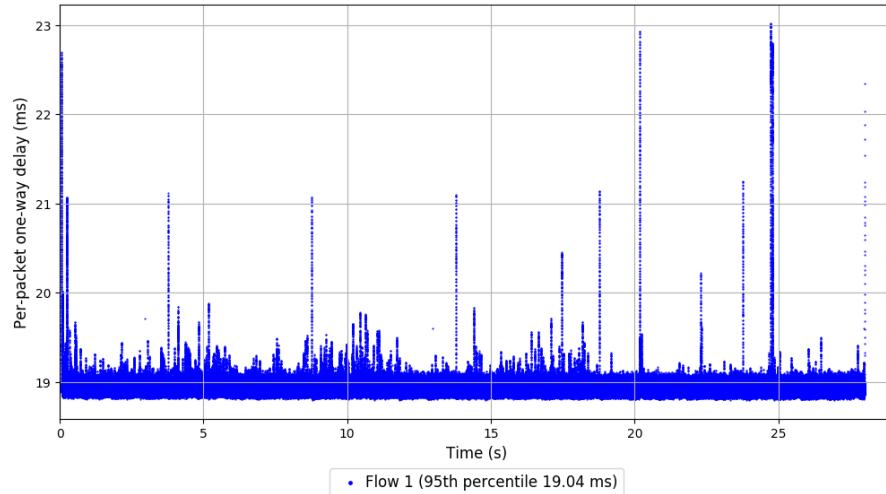
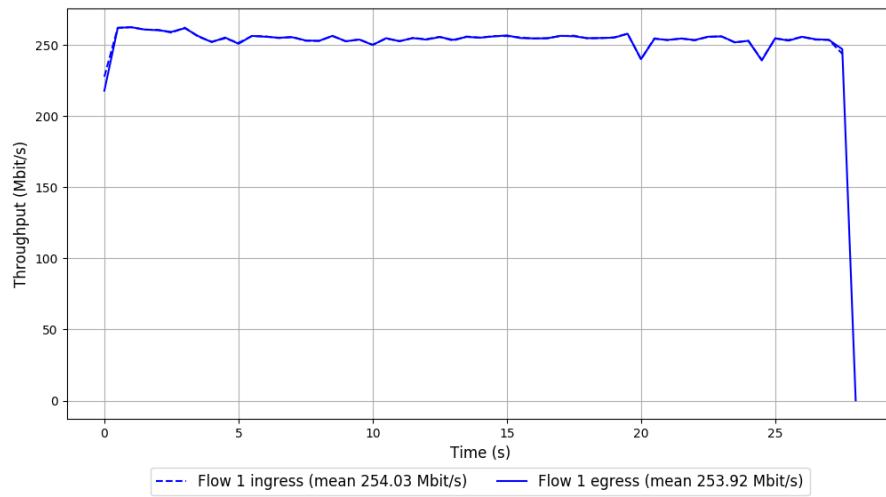


Run 4: Statistics of TaoVA-100x

```
Start at: 2017-11-30 12:58:17
End at: 2017-11-30 12:58:47
Local clock offset: 0.08 ms
Remote clock offset: -1.979 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 253.92 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 253.92 Mbit/s
95th percentile per-packet one-way delay: 19.037 ms
Loss rate: 0.05%
```

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

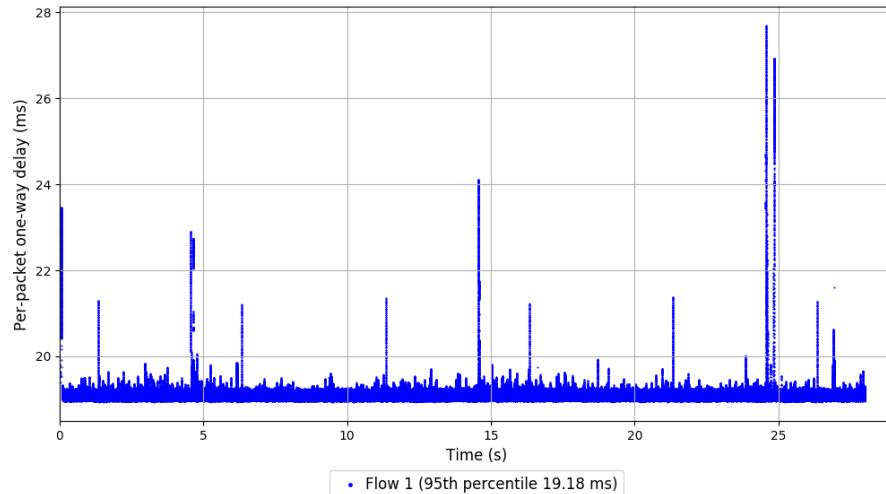
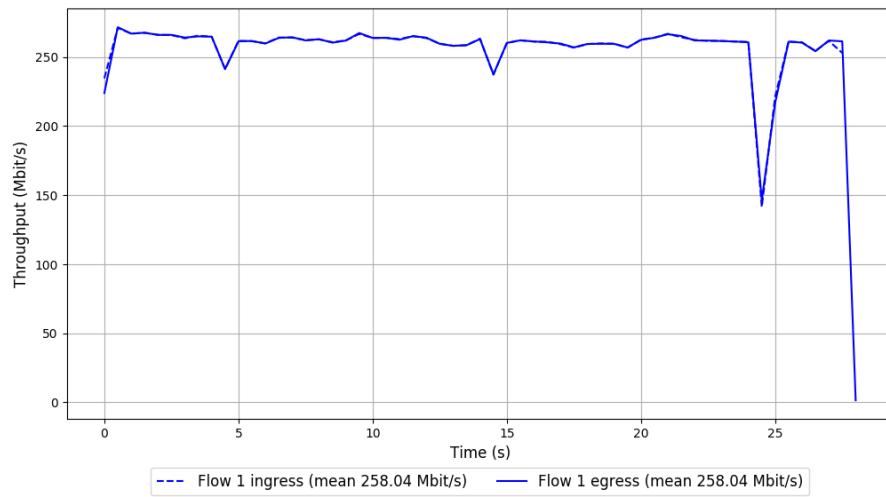


Run 5: Statistics of TaoVA-100x

```
Start at: 2017-11-30 13:17:02
End at: 2017-11-30 13:17:32
Local clock offset: 0.003 ms
Remote clock offset: -1.61 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 258.04 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 258.04 Mbit/s
95th percentile per-packet one-way delay: 19.176 ms
Loss rate: 0.00%
```

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

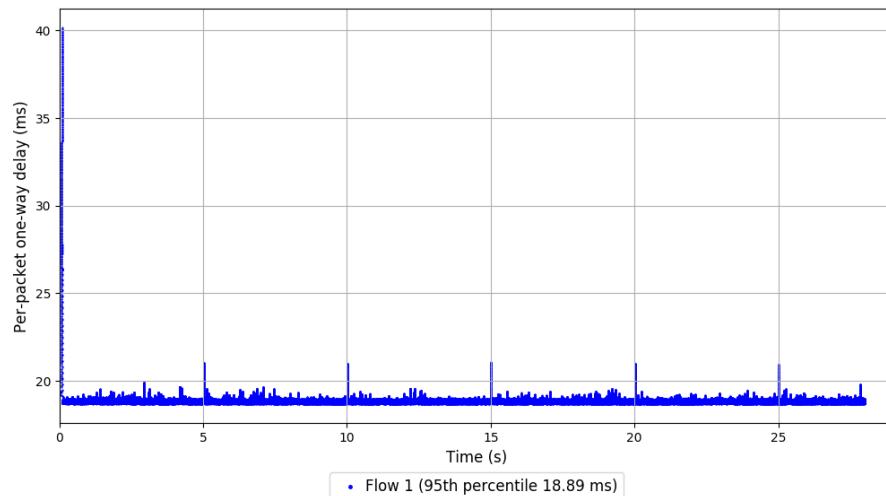
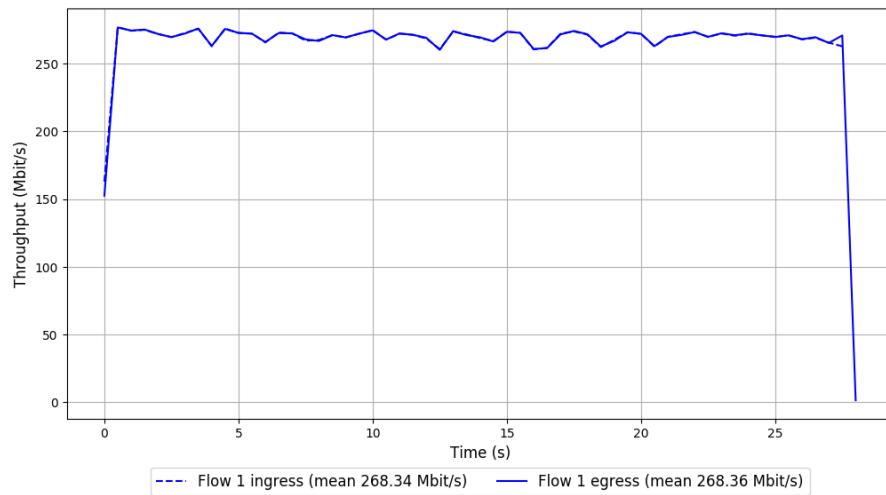


Run 6: Statistics of TaoVA-100x

```
Start at: 2017-11-30 13:35:22
End at: 2017-11-30 13:35:52
Local clock offset: 0.06 ms
Remote clock offset: -1.522 ms

# Below is generated by plot.py at 2017-11-30 17:05:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 268.36 Mbit/s
95th percentile per-packet one-way delay: 18.891 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 268.36 Mbit/s
95th percentile per-packet one-way delay: 18.891 ms
Loss rate: 0.00%
```

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

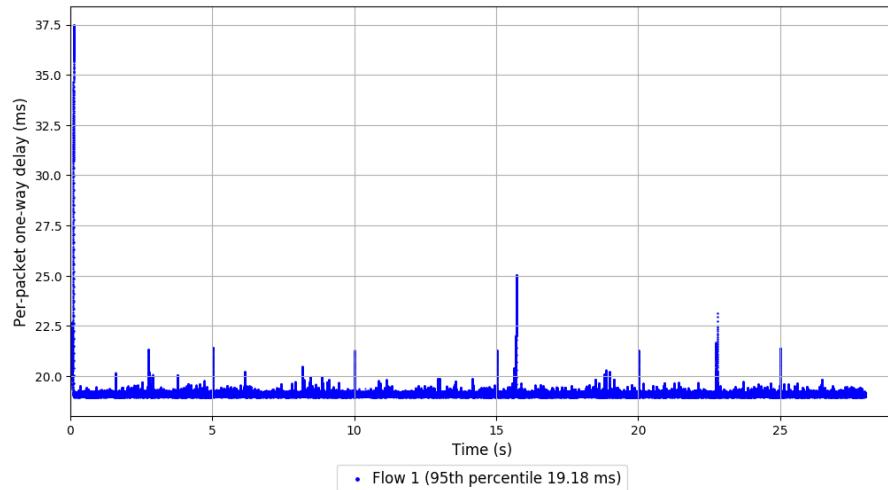
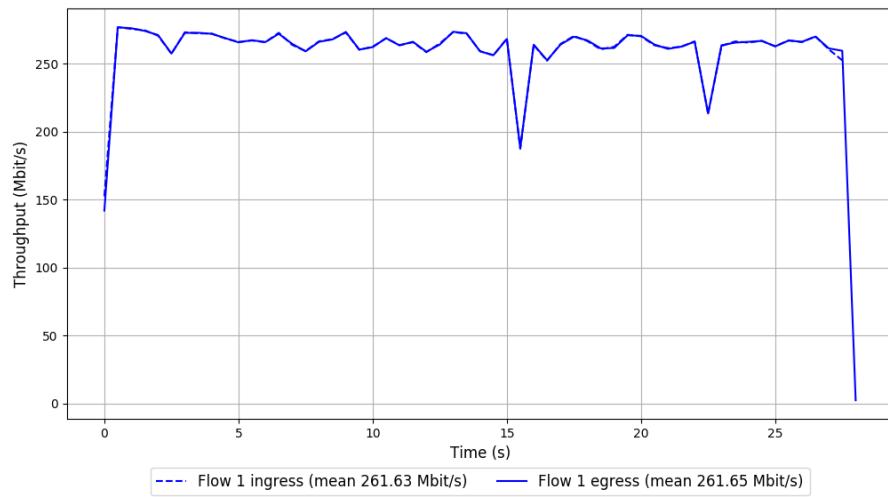


Run 7: Statistics of TaoVA-100x

```
Start at: 2017-11-30 13:54:15
End at: 2017-11-30 13:54:45
Local clock offset: 0.066 ms
Remote clock offset: -1.545 ms

# Below is generated by plot.py at 2017-11-30 17:10:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 261.65 Mbit/s
95th percentile per-packet one-way delay: 19.184 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 261.65 Mbit/s
95th percentile per-packet one-way delay: 19.184 ms
Loss rate: 0.00%
```

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

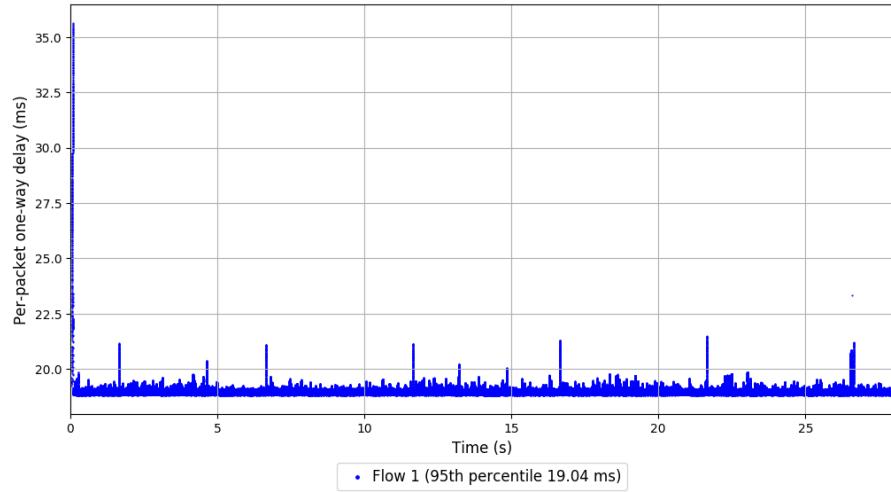
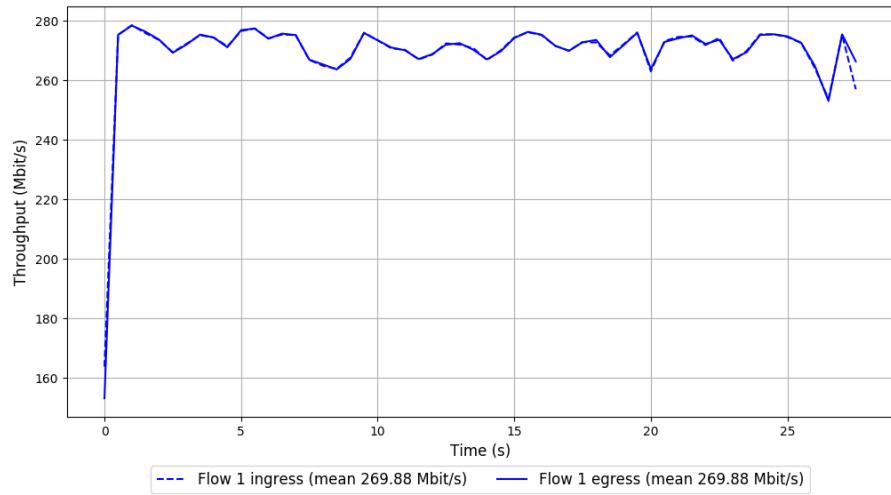


Run 8: Statistics of TaoVA-100x

```
Start at: 2017-11-30 14:13:13
End at: 2017-11-30 14:13:43
Local clock offset: 0.128 ms
Remote clock offset: -1.482 ms

# Below is generated by plot.py at 2017-11-30 17:10:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 269.88 Mbit/s
95th percentile per-packet one-way delay: 19.038 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 269.88 Mbit/s
95th percentile per-packet one-way delay: 19.038 ms
Loss rate: 0.01%
```

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

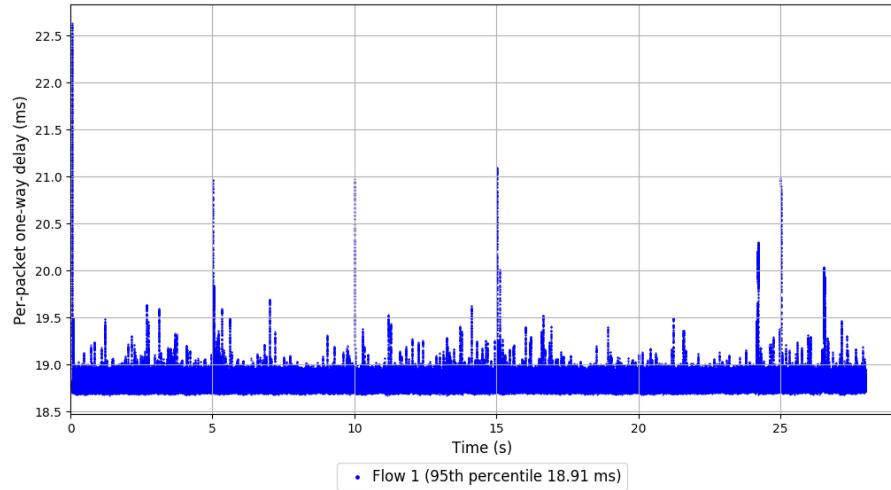
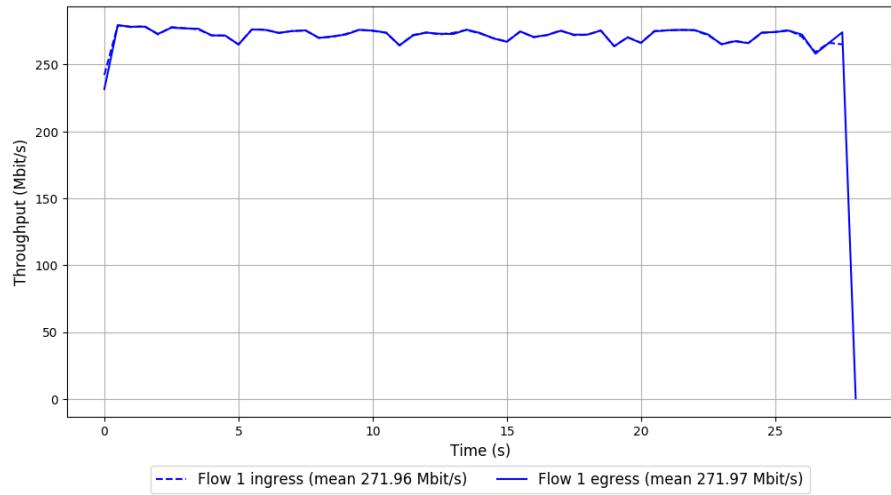


Run 9: Statistics of TaoVA-100x

```
Start at: 2017-11-30 14:31:48
End at: 2017-11-30 14:32:18
Local clock offset: -0.026 ms
Remote clock offset: -1.717 ms

# Below is generated by plot.py at 2017-11-30 17:10:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 271.97 Mbit/s
95th percentile per-packet one-way delay: 18.913 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 271.97 Mbit/s
95th percentile per-packet one-way delay: 18.913 ms
Loss rate: 0.01%
```

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

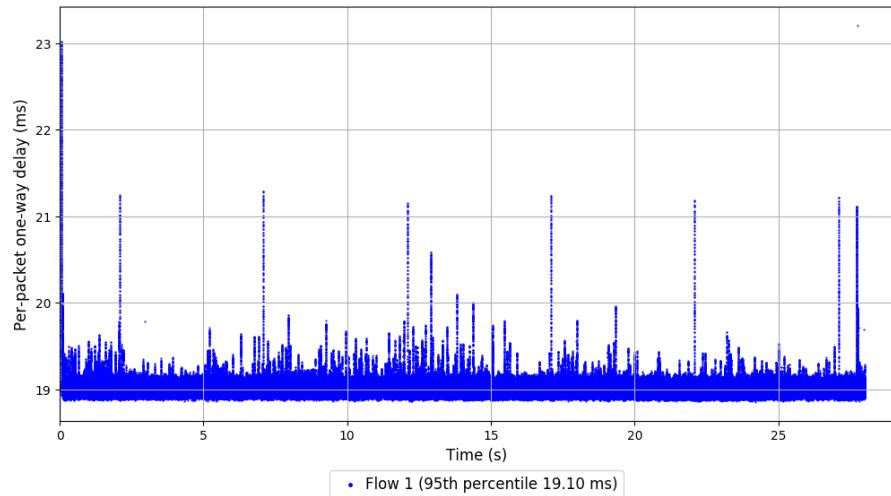
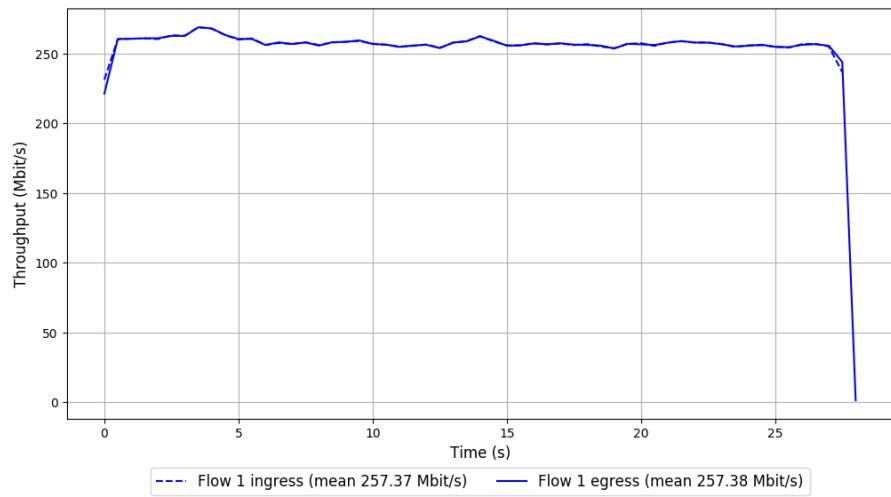


Run 10: Statistics of TaoVA-100x

```
Start at: 2017-11-30 14:50:28
End at: 2017-11-30 14:50:58
Local clock offset: 0.001 ms
Remote clock offset: -1.858 ms

# Below is generated by plot.py at 2017-11-30 17:10:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 257.38 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 257.38 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.01%
```

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

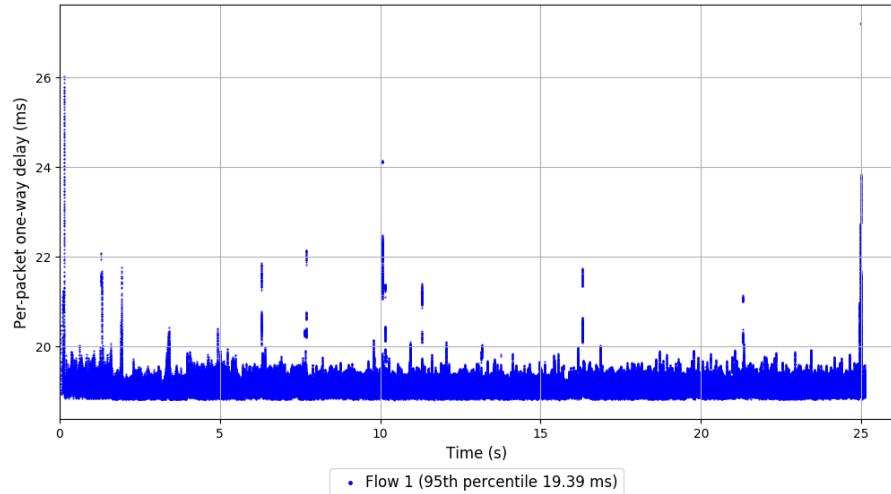
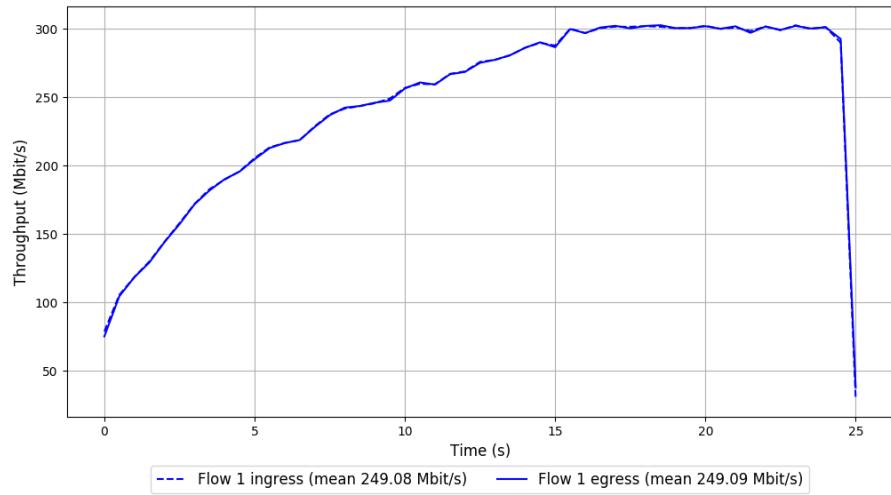


Run 1: Statistics of TCP Vegas

```
Start at: 2017-11-30 12:00:43
End at: 2017-11-30 12:01:13
Local clock offset: 0.019 ms
Remote clock offset: -1.354 ms

# Below is generated by plot.py at 2017-11-30 17:10:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 249.09 Mbit/s
95th percentile per-packet one-way delay: 19.389 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 249.09 Mbit/s
95th percentile per-packet one-way delay: 19.389 ms
Loss rate: 0.01%
```

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

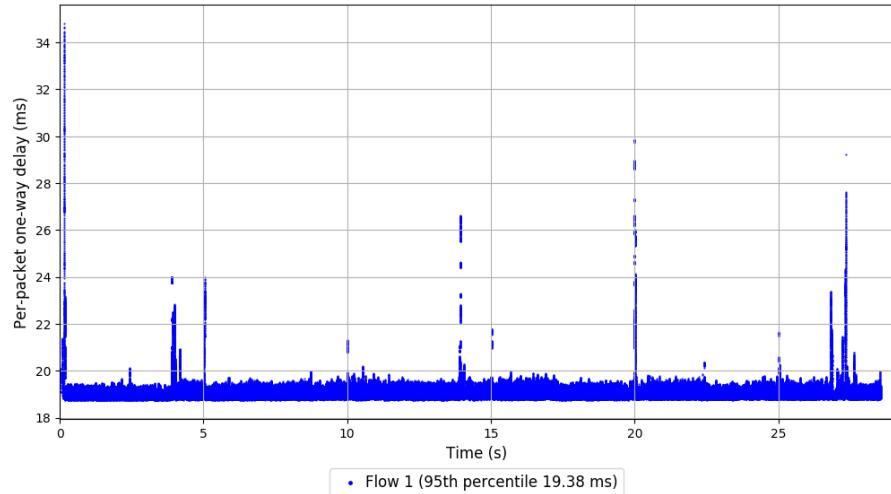
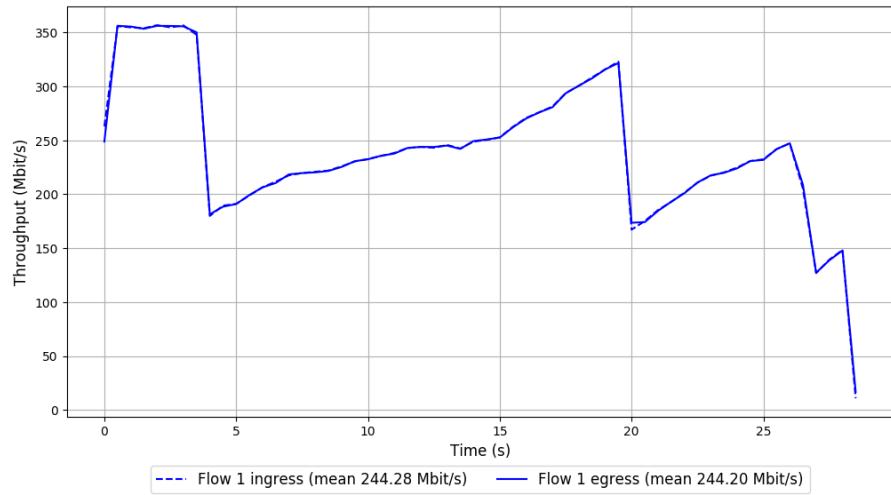


Run 2: Statistics of TCP Vegas

```
Start at: 2017-11-30 12:19:28
End at: 2017-11-30 12:19:58
Local clock offset: -0.005 ms
Remote clock offset: -1.742 ms

# Below is generated by plot.py at 2017-11-30 17:10:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 244.20 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 244.20 Mbit/s
95th percentile per-packet one-way delay: 19.379 ms
Loss rate: 0.03%
```

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



Run 3: Statistics of TCP Vegas

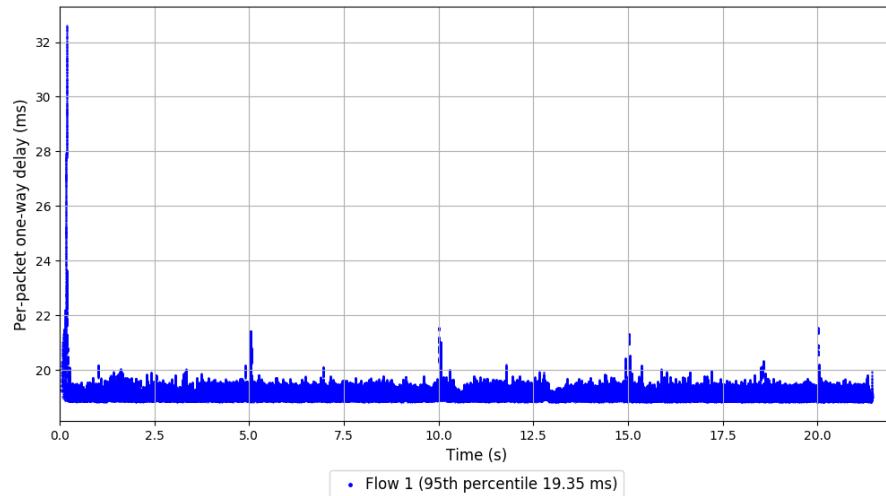
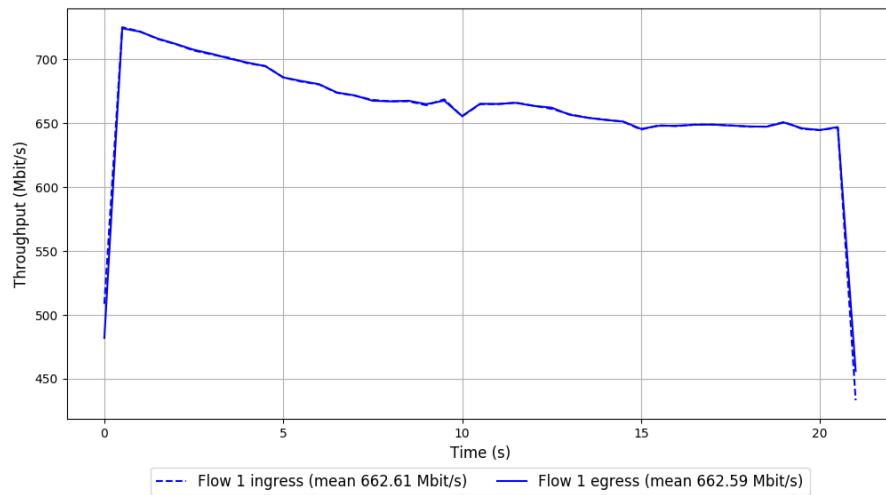
Start at: 2017-11-30 12:38:06

End at: 2017-11-30 12:38:36

Local clock offset: 0.096 ms

Remote clock offset: -1.82 ms

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



Run 4: Statistics of TCP Vegas

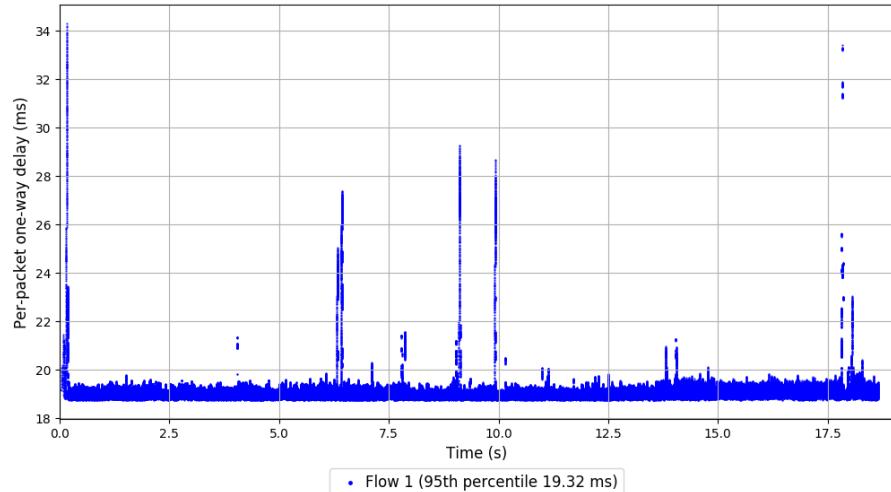
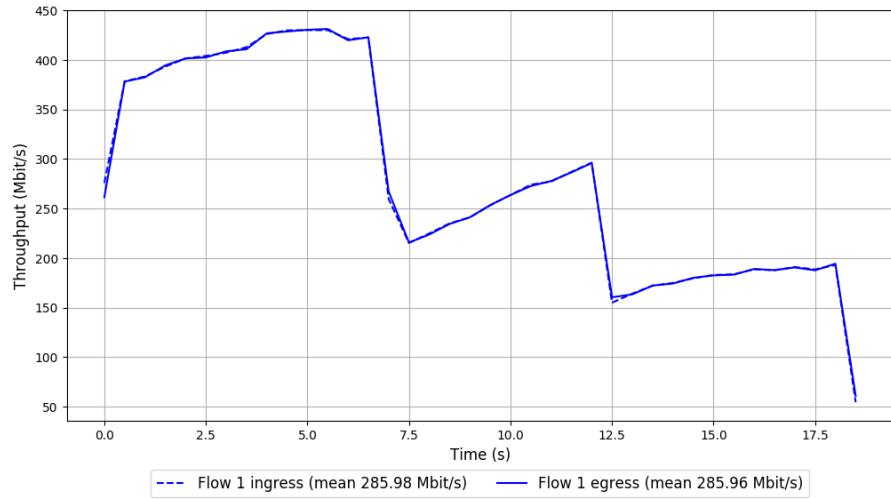
Start at: 2017-11-30 12:57:00

End at: 2017-11-30 12:57:30

Local clock offset: 0.119 ms

Remote clock offset: -2.007 ms

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



Run 5: Statistics of TCP Vegas

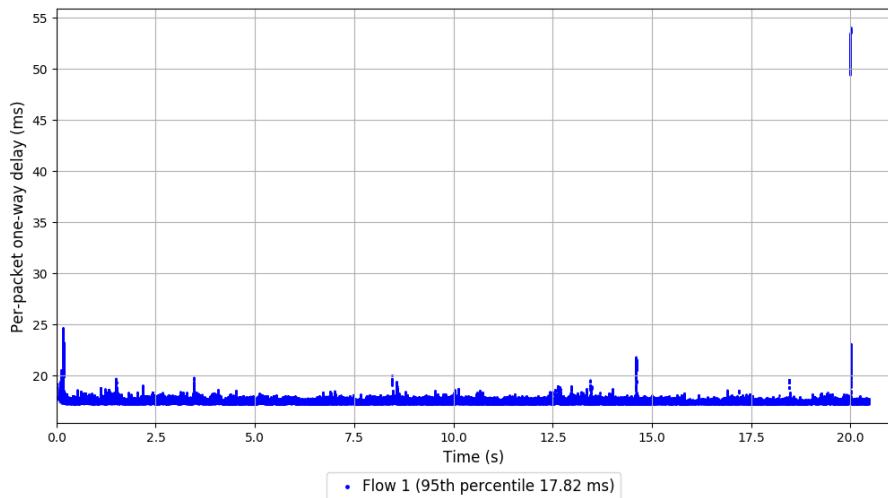
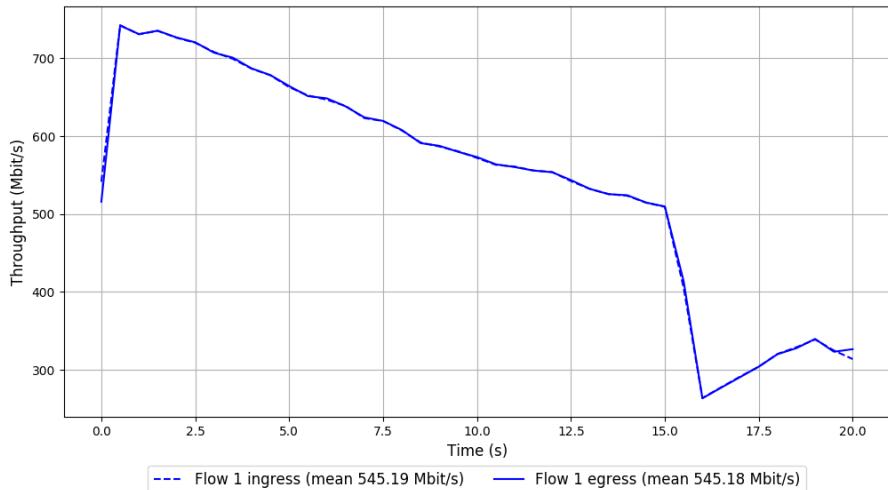
Start at: 2017-11-30 13:15:38

End at: 2017-11-30 13:16:08

Local clock offset: 0.095 ms

Remote clock offset: -1.658 ms

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



Run 6: Statistics of TCP Vegas

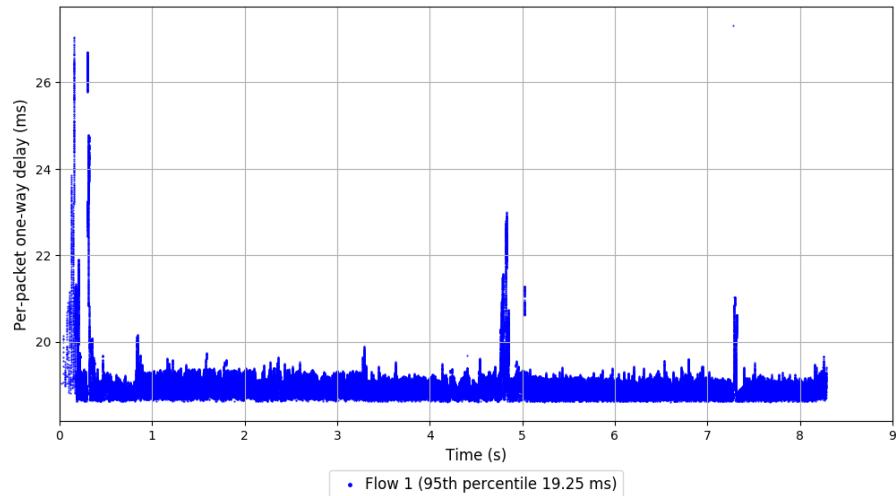
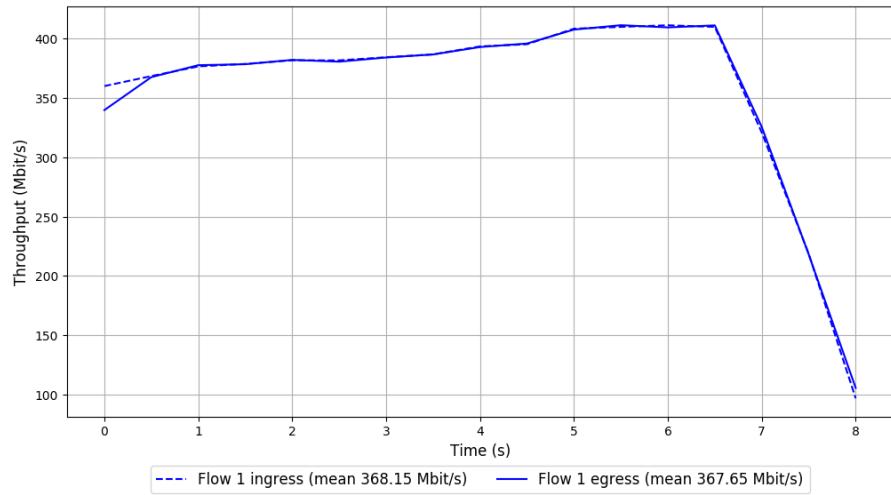
Start at: 2017-11-30 13:34:08

End at: 2017-11-30 13:34:38

Local clock offset: 0.13 ms

Remote clock offset: -1.511 ms

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

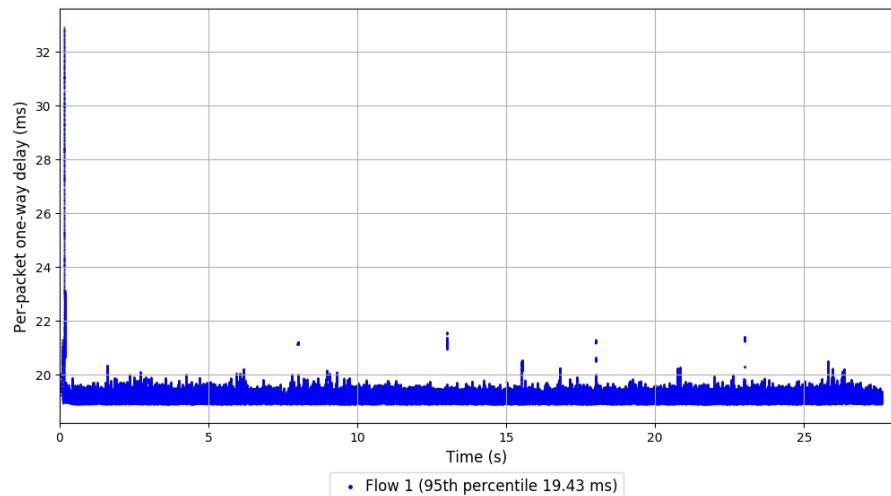
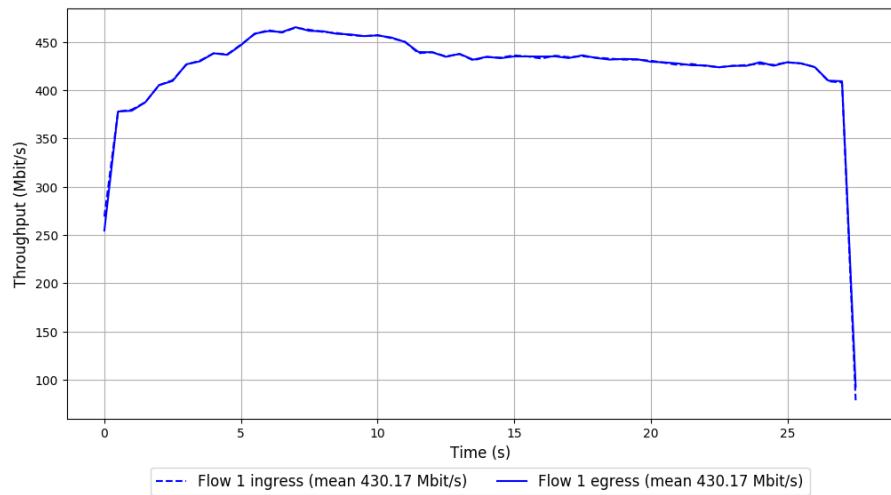


Run 7: Statistics of TCP Vegas

```
Start at: 2017-11-30 13:52:49
End at: 2017-11-30 13:53:19
Local clock offset: 0.136 ms
Remote clock offset: -1.526 ms

# Below is generated by plot.py at 2017-11-30 17:13:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 430.17 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 430.17 Mbit/s
95th percentile per-packet one-way delay: 19.428 ms
Loss rate: 0.00%
```

Run 7: Report of TCP Vegas — Data Link

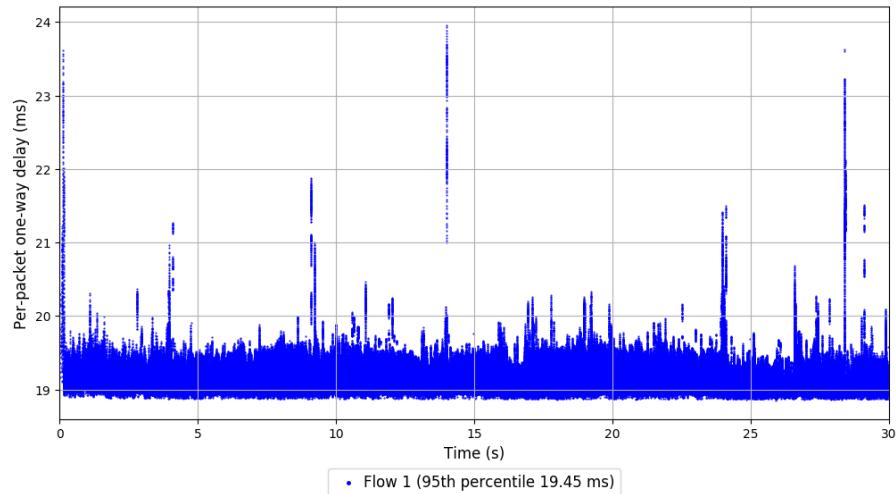
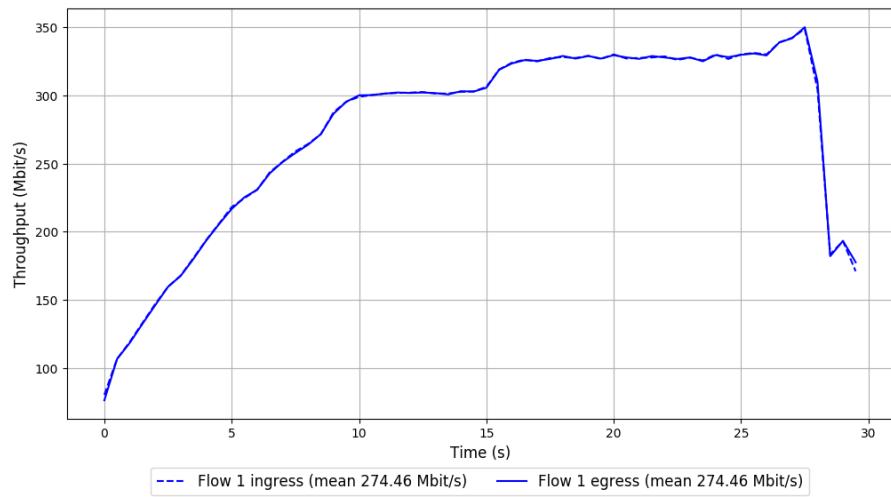


Run 8: Statistics of TCP Vegas

```
Start at: 2017-11-30 14:11:51
End at: 2017-11-30 14:12:21
Local clock offset: 0.049 ms
Remote clock offset: -1.504 ms

# Below is generated by plot.py at 2017-11-30 17:13:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.46 Mbit/s
95th percentile per-packet one-way delay: 19.455 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 274.46 Mbit/s
95th percentile per-packet one-way delay: 19.455 ms
Loss rate: 0.01%
```

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

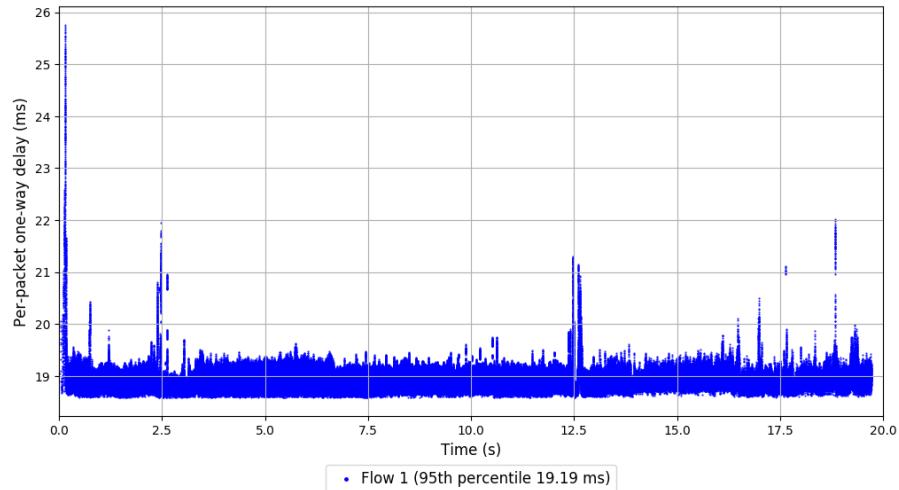
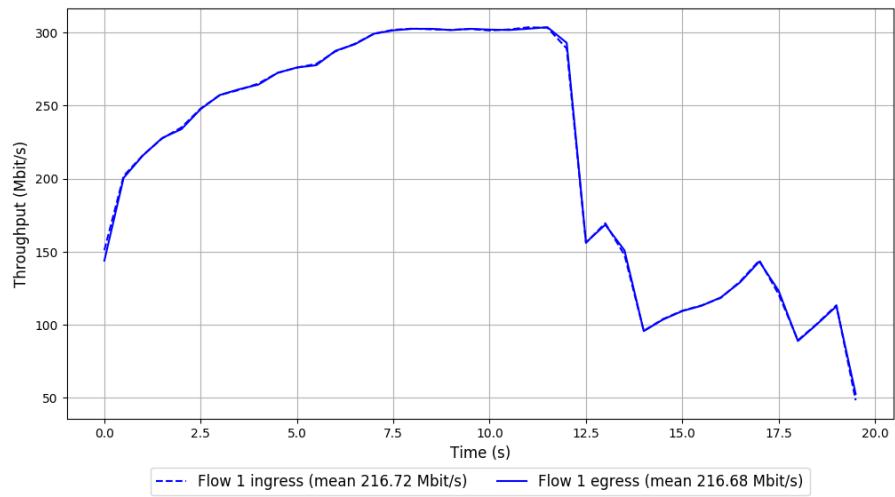
Start at: 2017-11-30 14:30:32

End at: 2017-11-30 14:31:02

Local clock offset: 0.062 ms

Remote clock offset: -1.699 ms

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



Run 10: Statistics of TCP Vegas

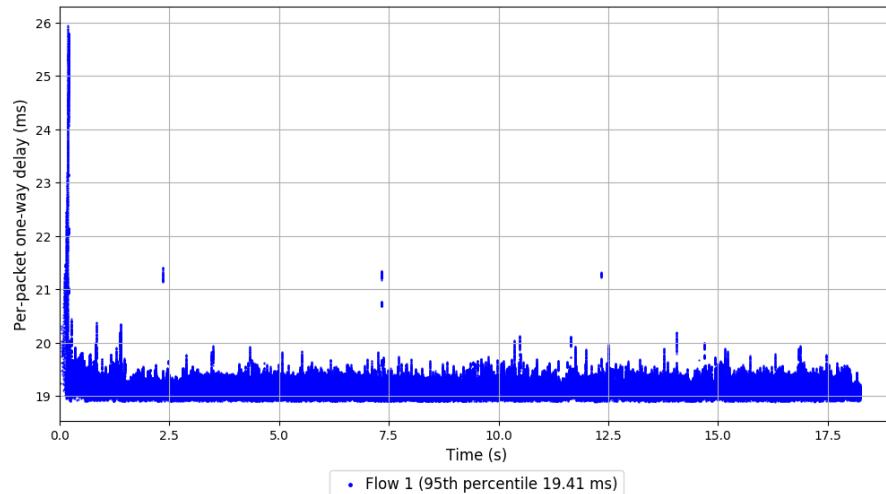
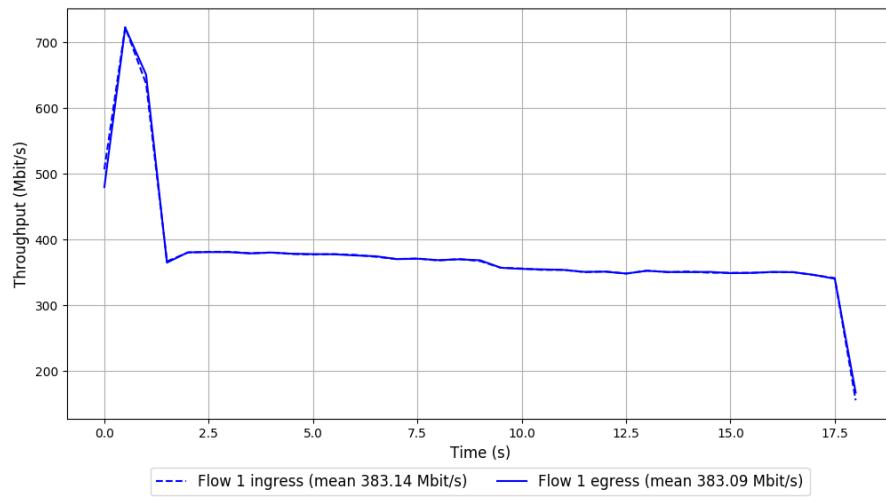
Start at: 2017-11-30 14:49:09

End at: 2017-11-30 14:49:39

Local clock offset: -0.097 ms

Remote clock offset: -1.93 ms

Run 10: Report of TCP Vegas — Data Link

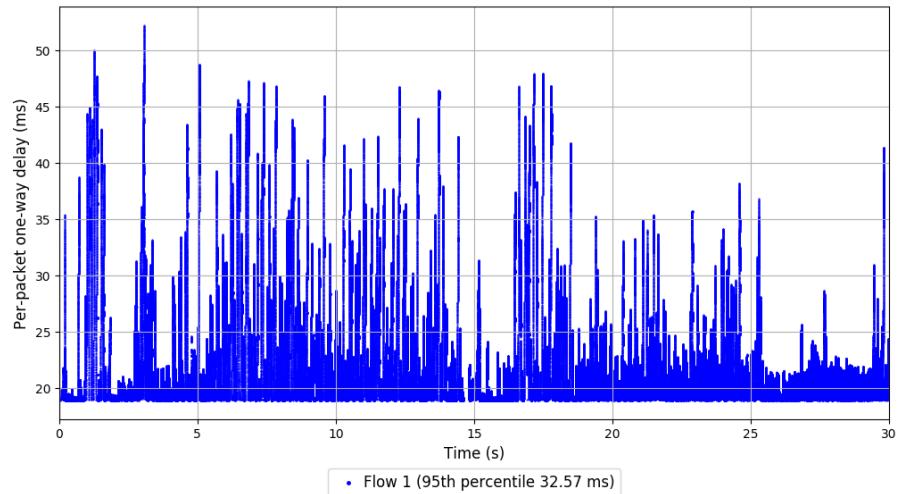
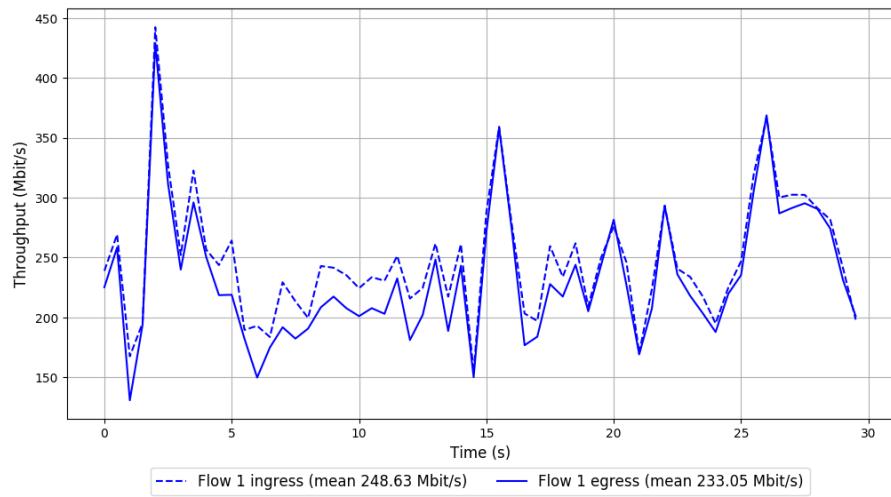


Run 1: Statistics of Verus

```
Start at: 2017-11-30 12:15:04
End at: 2017-11-30 12:15:34
Local clock offset: -0.015 ms
Remote clock offset: -1.685 ms

# Below is generated by plot.py at 2017-11-30 17:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.05 Mbit/s
95th percentile per-packet one-way delay: 32.569 ms
Loss rate: 6.26%
-- Flow 1:
Average throughput: 233.05 Mbit/s
95th percentile per-packet one-way delay: 32.569 ms
Loss rate: 6.26%
```

### Run 1: Report of Verus — Data Link

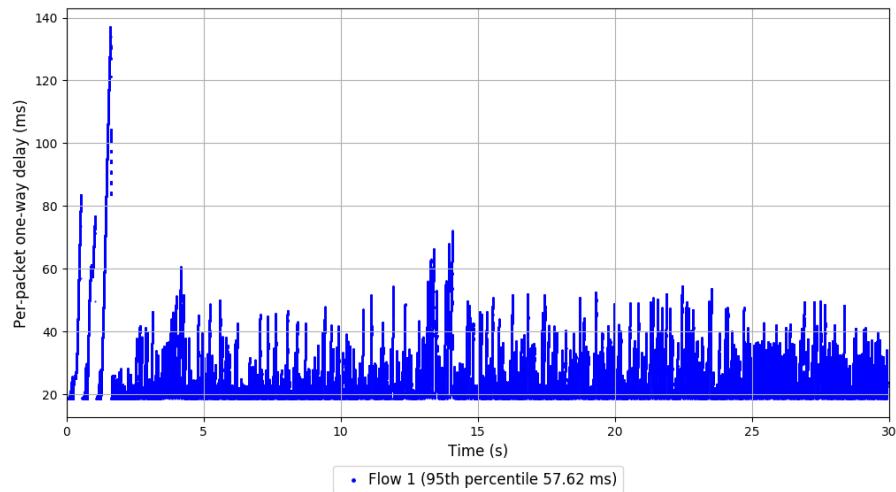
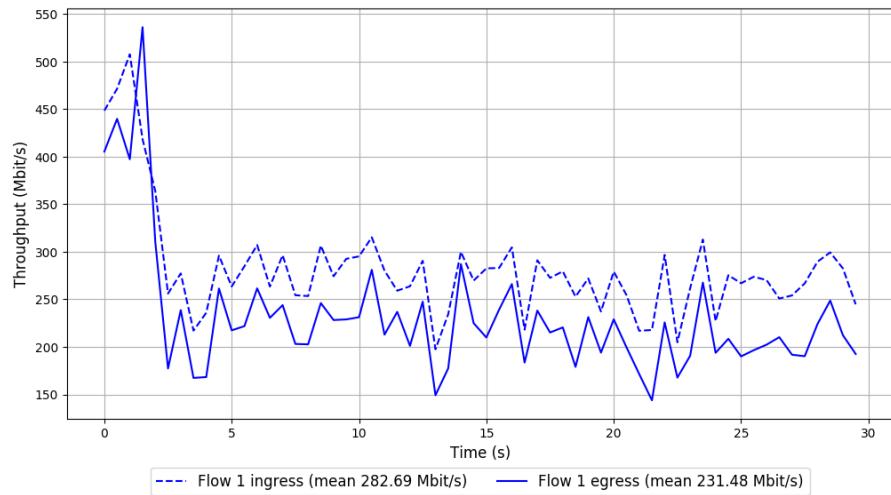


Run 2: Statistics of Verus

```
Start at: 2017-11-30 12:33:49
End at: 2017-11-30 12:34:19
Local clock offset: 0.102 ms
Remote clock offset: -1.727 ms

# Below is generated by plot.py at 2017-11-30 17:14:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.48 Mbit/s
95th percentile per-packet one-way delay: 57.621 ms
Loss rate: 18.10%
-- Flow 1:
Average throughput: 231.48 Mbit/s
95th percentile per-packet one-way delay: 57.621 ms
Loss rate: 18.10%
```

## Run 2: Report of Verus — Data Link

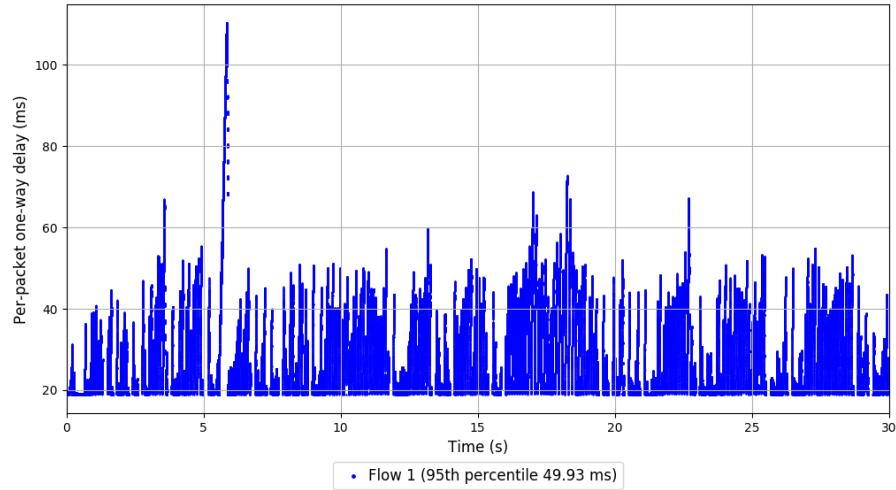
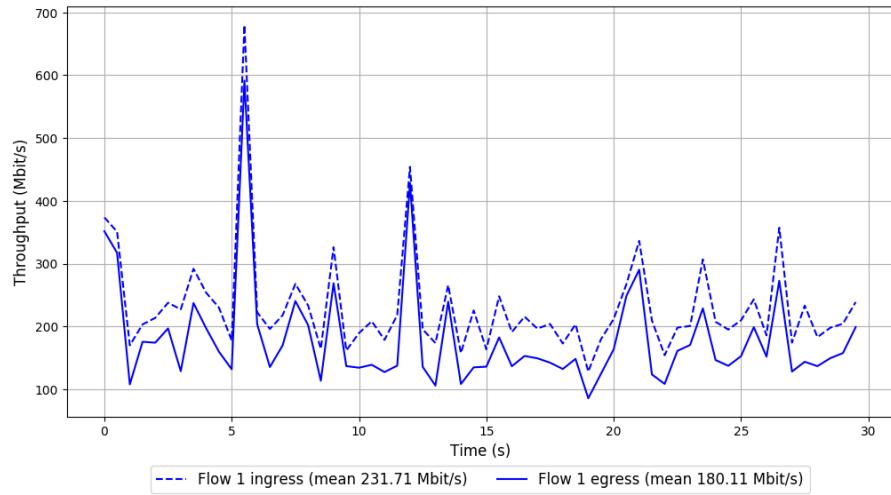


Run 3: Statistics of Verus

```
Start at: 2017-11-30 12:52:48
End at: 2017-11-30 12:53:18
Local clock offset: 0.008 ms
Remote clock offset: -1.915 ms

# Below is generated by plot.py at 2017-11-30 17:14:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.11 Mbit/s
95th percentile per-packet one-way delay: 49.931 ms
Loss rate: 22.27%
-- Flow 1:
Average throughput: 180.11 Mbit/s
95th percentile per-packet one-way delay: 49.931 ms
Loss rate: 22.27%
```

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

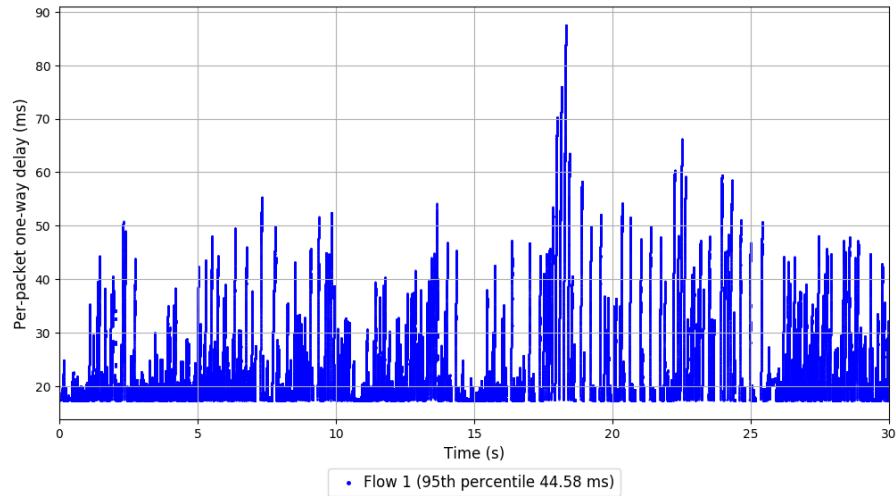
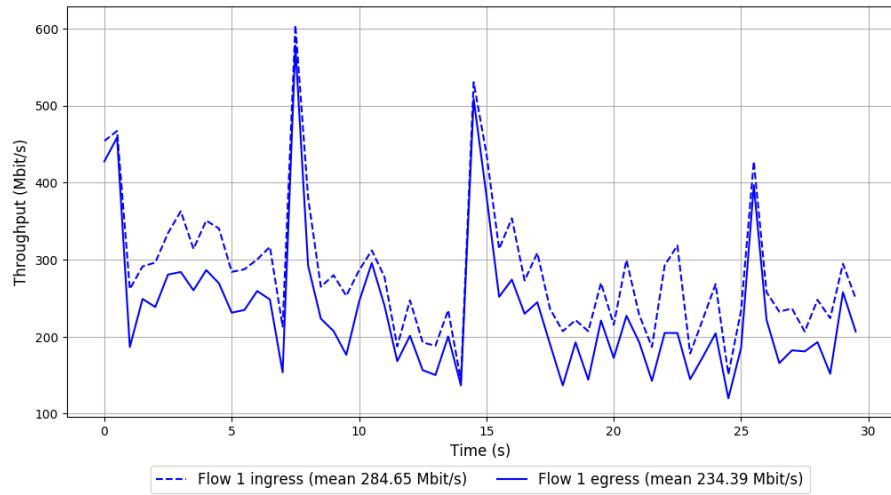


Run 4: Statistics of Verus

```
Start at: 2017-11-30 13:11:22
End at: 2017-11-30 13:11:52
Local clock offset: 0.014 ms
Remote clock offset: -1.709 ms

# Below is generated by plot.py at 2017-11-30 17:15:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 234.39 Mbit/s
95th percentile per-packet one-way delay: 44.575 ms
Loss rate: 17.65%
-- Flow 1:
Average throughput: 234.39 Mbit/s
95th percentile per-packet one-way delay: 44.575 ms
Loss rate: 17.65%
```

## Run 4: Report of Verus — Data Link

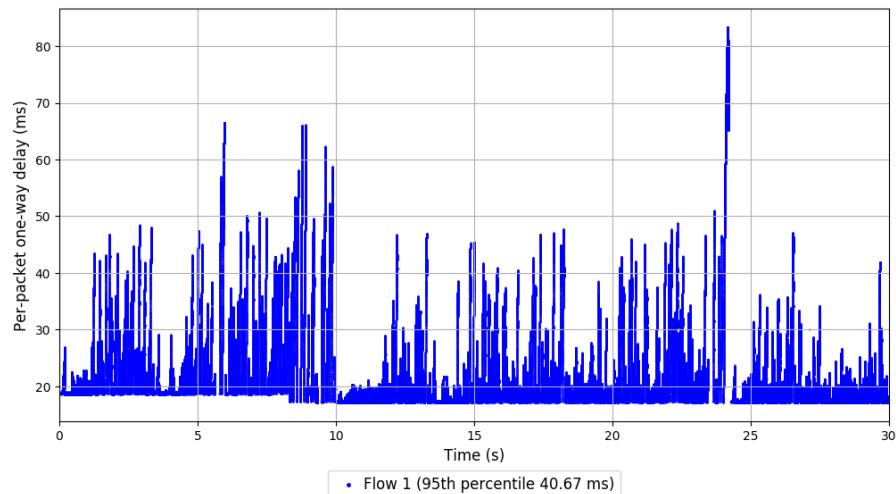
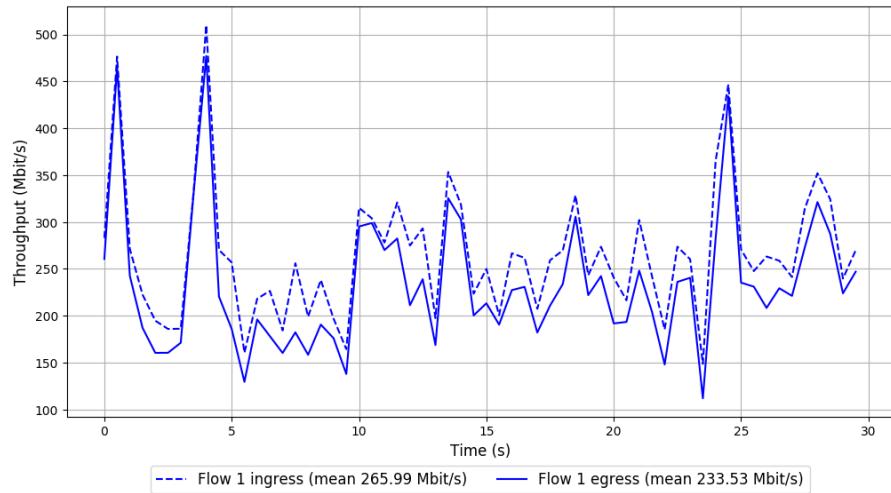


Run 5: Statistics of Verus

```
Start at: 2017-11-30 13:30:03
End at: 2017-11-30 13:30:33
Local clock offset: 0.13 ms
Remote clock offset: -1.626 ms

# Below is generated by plot.py at 2017-11-30 17:15:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.53 Mbit/s
95th percentile per-packet one-way delay: 40.667 ms
Loss rate: 12.21%
-- Flow 1:
Average throughput: 233.53 Mbit/s
95th percentile per-packet one-way delay: 40.667 ms
Loss rate: 12.21%
```

## Run 5: Report of Verus — Data Link

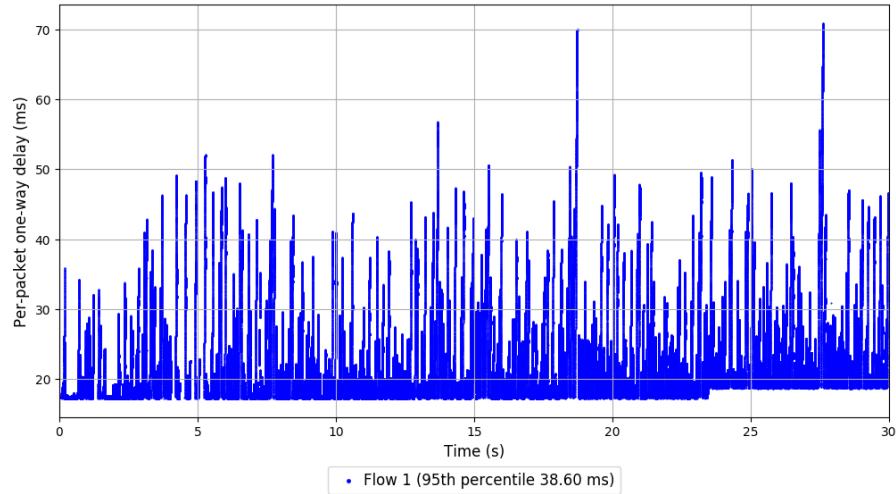
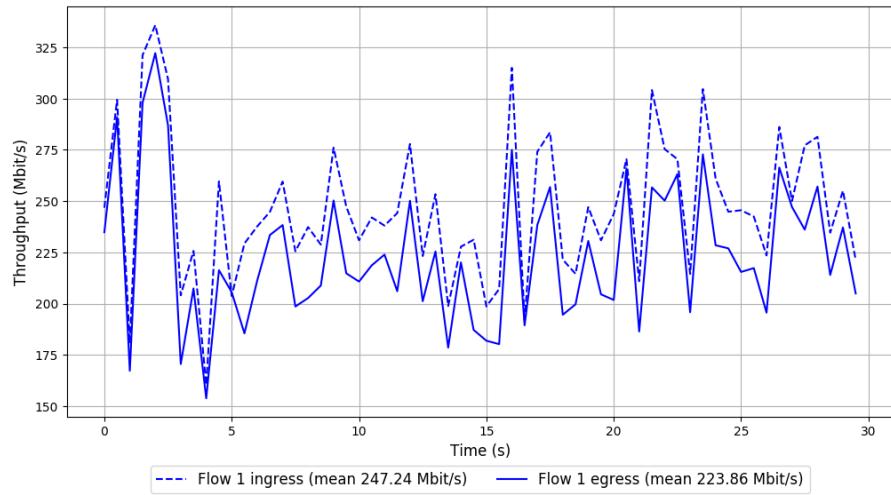


Run 6: Statistics of Verus

```
Start at: 2017-11-30 13:48:25
End at: 2017-11-30 13:48:55
Local clock offset: 0.14 ms
Remote clock offset: -1.541 ms

# Below is generated by plot.py at 2017-11-30 17:16:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.86 Mbit/s
95th percentile per-packet one-way delay: 38.603 ms
Loss rate: 9.41%
-- Flow 1:
Average throughput: 223.86 Mbit/s
95th percentile per-packet one-way delay: 38.603 ms
Loss rate: 9.41%
```

Run 6: Report of Verus — Data Link

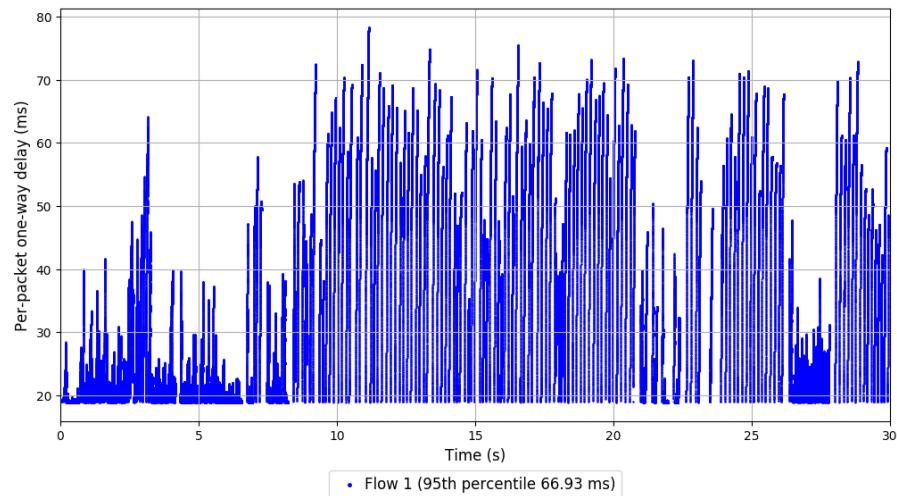
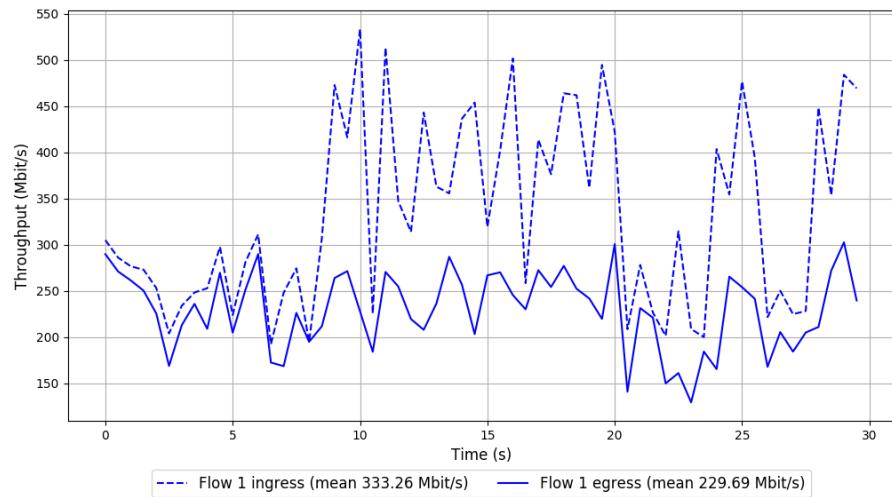


Run 7: Statistics of Verus

```
Start at: 2017-11-30 14:07:27
End at: 2017-11-30 14:07:57
Local clock offset: 0.064 ms
Remote clock offset: -1.547 ms

# Below is generated by plot.py at 2017-11-30 17:17:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.69 Mbit/s
95th percentile per-packet one-way delay: 66.932 ms
Loss rate: 31.07%
-- Flow 1:
Average throughput: 229.69 Mbit/s
95th percentile per-packet one-way delay: 66.932 ms
Loss rate: 31.07%
```

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

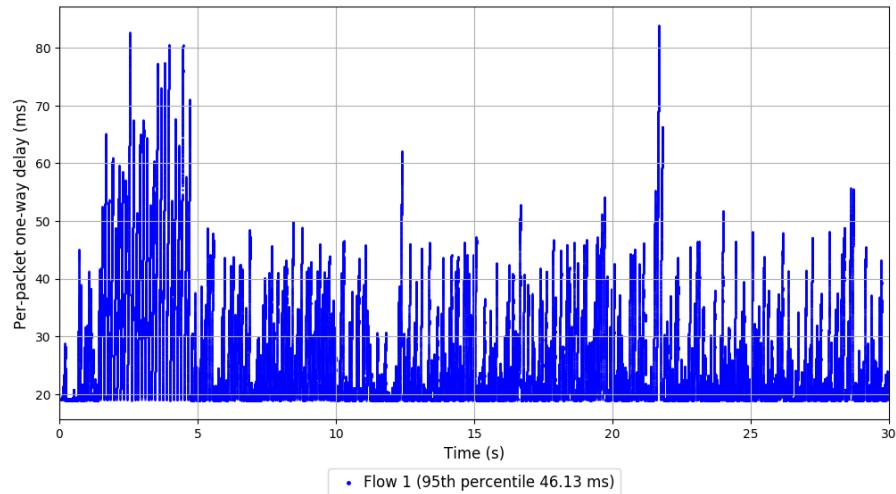
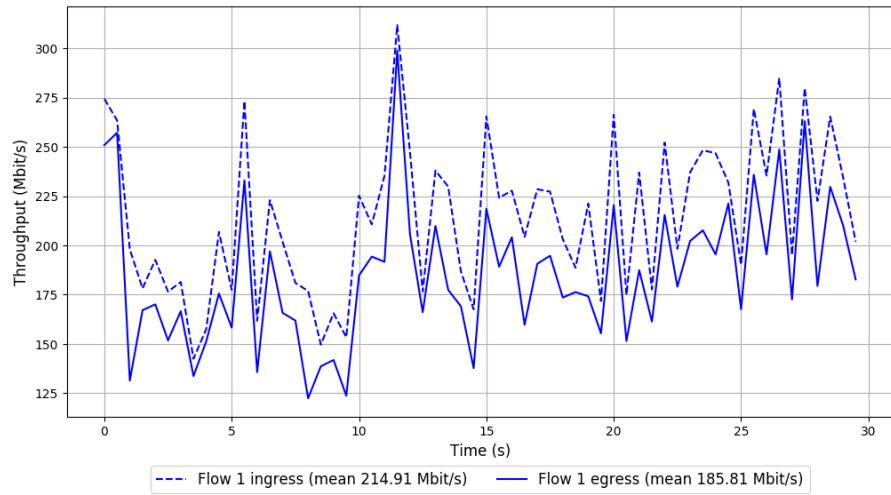


Run 8: Statistics of Verus

```
Start at: 2017-11-30 14:26:19
End at: 2017-11-30 14:26:49
Local clock offset: 0.104 ms
Remote clock offset: -1.547 ms

# Below is generated by plot.py at 2017-11-30 17:17:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.81 Mbit/s
95th percentile per-packet one-way delay: 46.132 ms
Loss rate: 13.54%
-- Flow 1:
Average throughput: 185.81 Mbit/s
95th percentile per-packet one-way delay: 46.132 ms
Loss rate: 13.54%
```

## Run 8: Report of Verus — Data Link

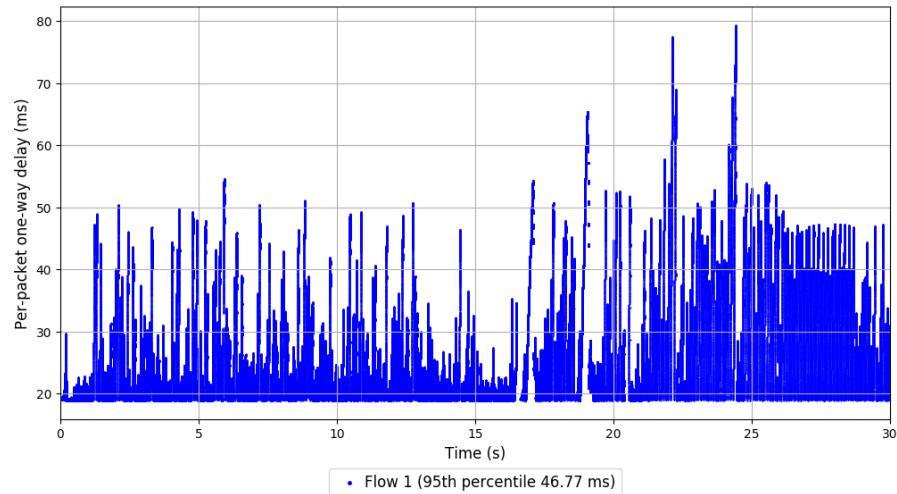
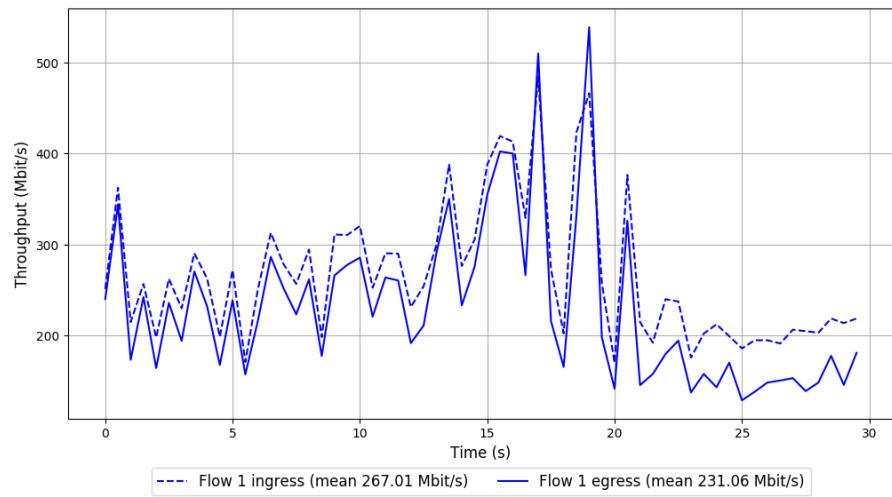


Run 9: Statistics of Verus

```
Start at: 2017-11-30 14:44:54
End at: 2017-11-30 14:45:24
Local clock offset: -0.077 ms
Remote clock offset: -1.97 ms

# Below is generated by plot.py at 2017-11-30 17:17:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.06 Mbit/s
95th percentile per-packet one-way delay: 46.765 ms
Loss rate: 13.44%
-- Flow 1:
Average throughput: 231.06 Mbit/s
95th percentile per-packet one-way delay: 46.765 ms
Loss rate: 13.44%
```

Run 9: Report of Verus — Data Link

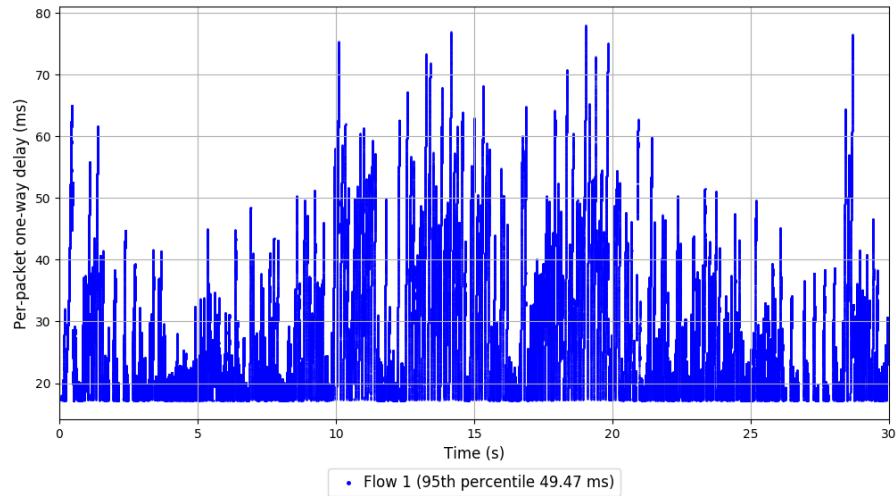
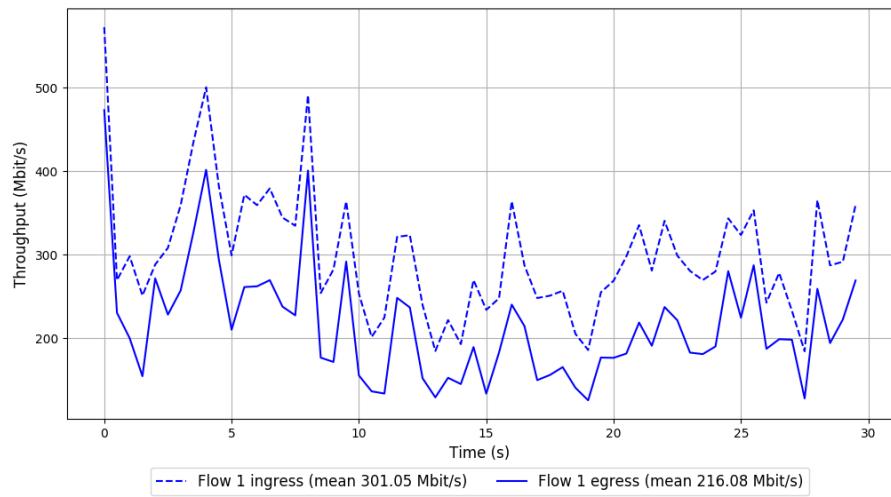


Run 10: Statistics of Verus

```
Start at: 2017-11-30 15:03:34
End at: 2017-11-30 15:04:04
Local clock offset: -0.05 ms
Remote clock offset: -1.834 ms

# Below is generated by plot.py at 2017-11-30 17:17:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.08 Mbit/s
95th percentile per-packet one-way delay: 49.466 ms
Loss rate: 28.21%
-- Flow 1:
Average throughput: 216.08 Mbit/s
95th percentile per-packet one-way delay: 49.466 ms
Loss rate: 28.21%
```

Run 10: Report of Verus — Data Link

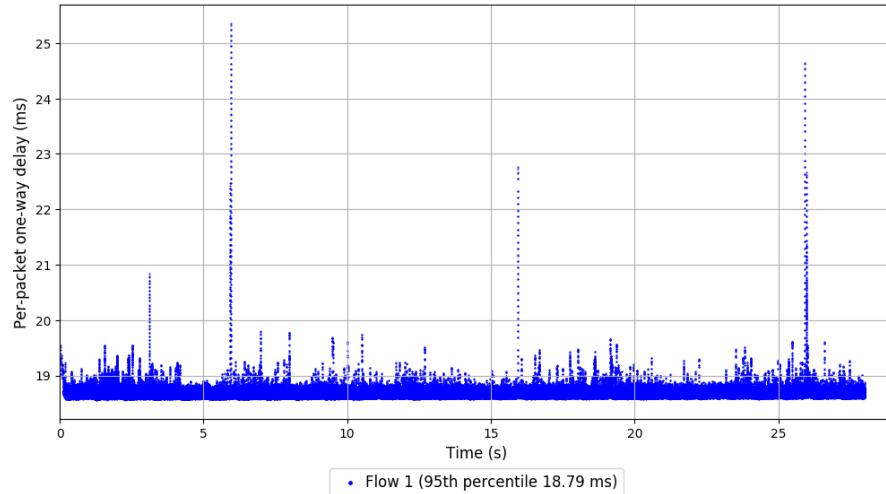
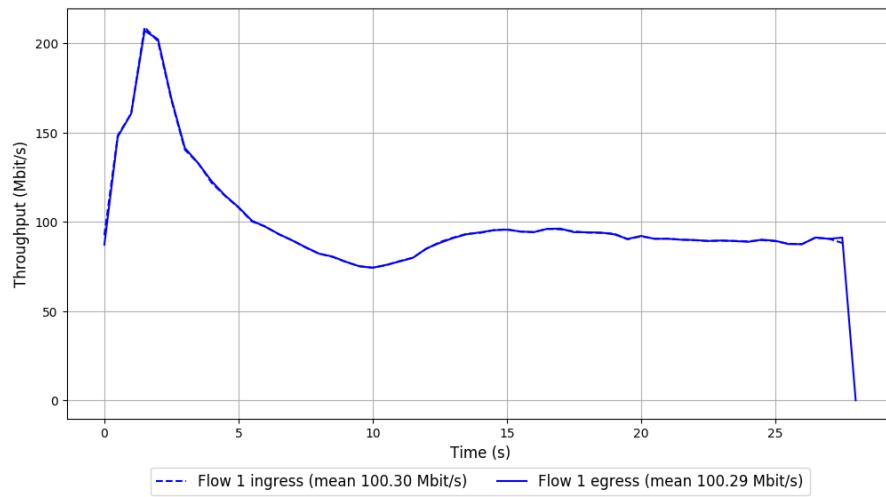


Run 1: Statistics of Copa

```
Start at: 2017-11-30 12:04:38
End at: 2017-11-30 12:05:08
Local clock offset: 0.038 ms
Remote clock offset: -1.453 ms

# Below is generated by plot.py at 2017-11-30 17:17:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 100.29 Mbit/s
95th percentile per-packet one-way delay: 18.789 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 100.29 Mbit/s
95th percentile per-packet one-way delay: 18.789 ms
Loss rate: 0.01%
```

Run 1: Report of Copa — Data Link

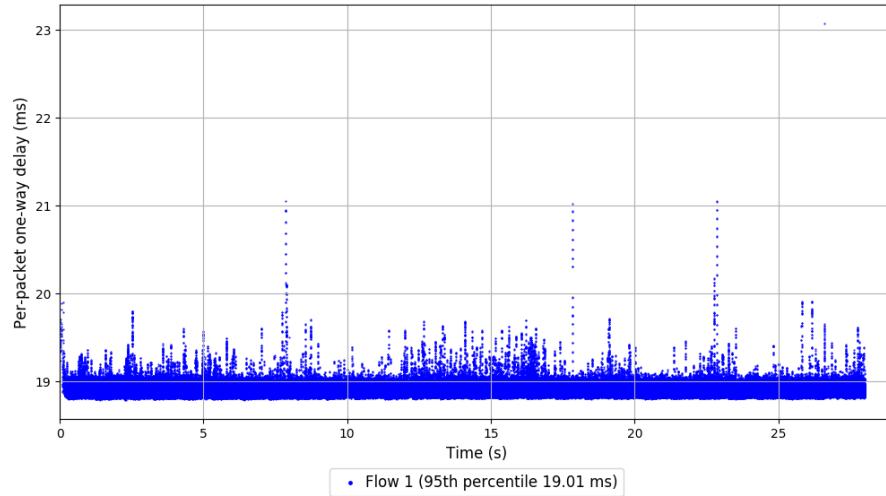
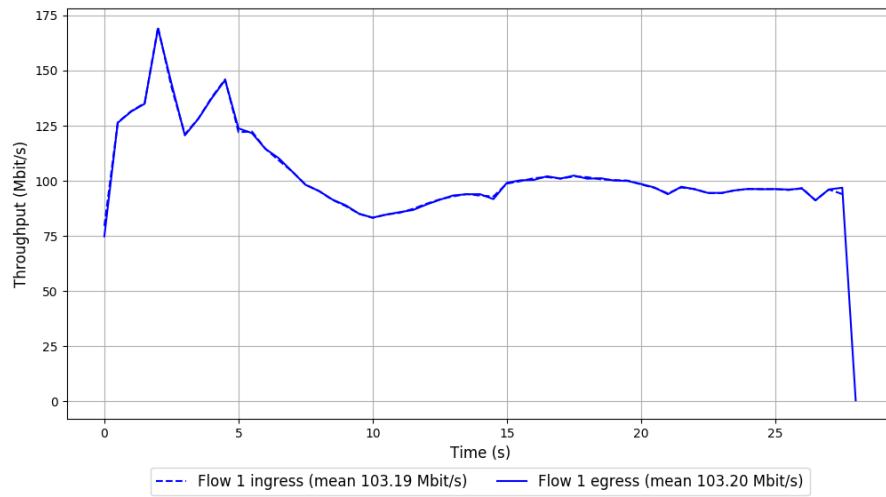


Run 2: Statistics of Copa

```
Start at: 2017-11-30 12:23:25
End at: 2017-11-30 12:23:55
Local clock offset: 0.099 ms
Remote clock offset: -1.867 ms

# Below is generated by plot.py at 2017-11-30 17:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.20 Mbit/s
95th percentile per-packet one-way delay: 19.006 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 103.20 Mbit/s
95th percentile per-packet one-way delay: 19.006 ms
Loss rate: 0.00%
```

## Run 2: Report of Copa — Data Link

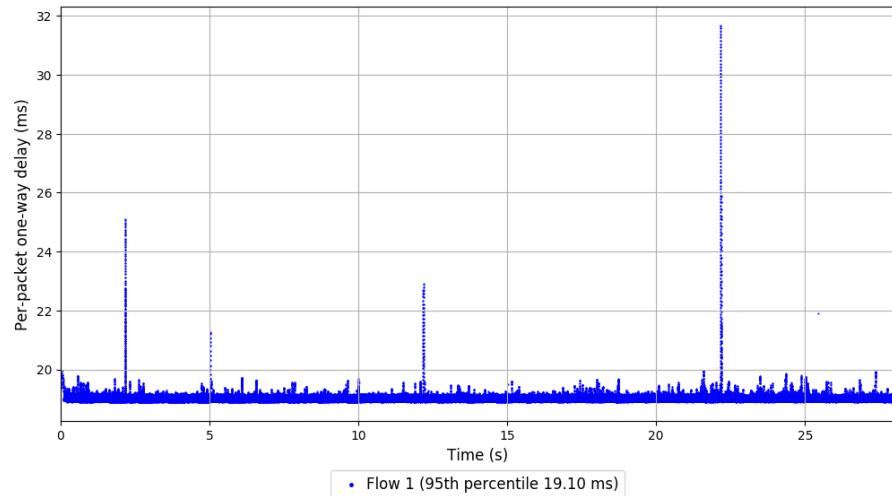
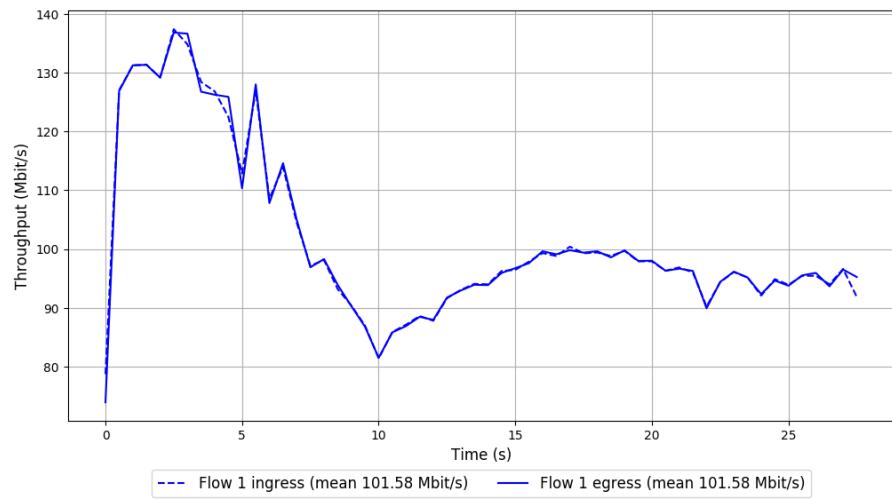


Run 3: Statistics of Copa

```
Start at: 2017-11-30 12:42:20
End at: 2017-11-30 12:42:50
Local clock offset: 0.009 ms
Remote clock offset: -1.811 ms

# Below is generated by plot.py at 2017-11-30 17:18:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.58 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 101.58 Mbit/s
95th percentile per-packet one-way delay: 19.101 ms
Loss rate: 0.01%
```

### Run 3: Report of Copa — Data Link

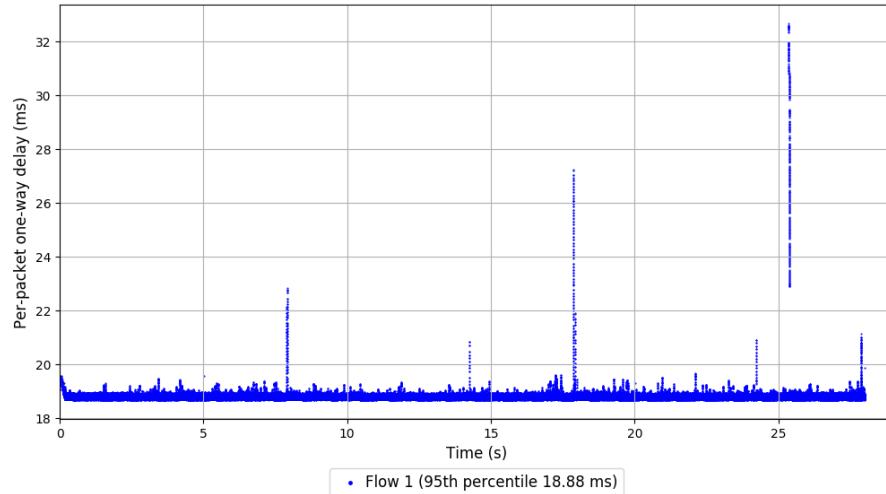
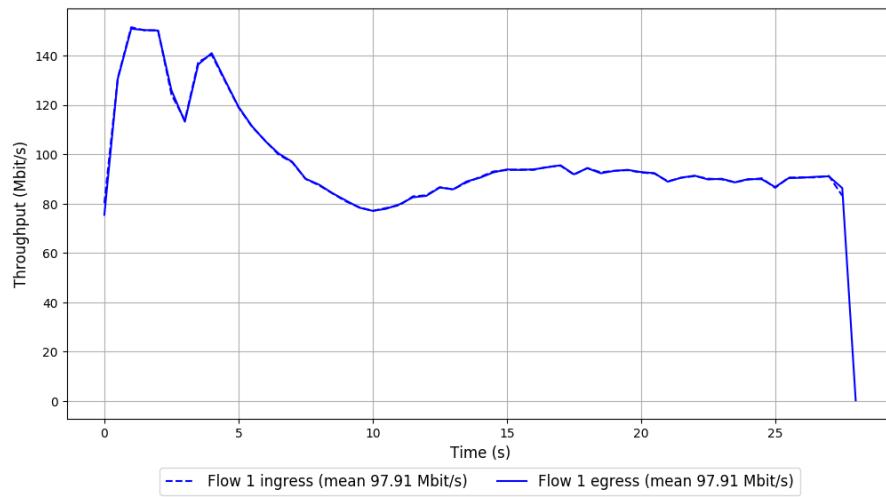


Run 4: Statistics of Copa

```
Start at: 2017-11-30 13:00:54
End at: 2017-11-30 13:01:24
Local clock offset: 0.028 ms
Remote clock offset: -1.88 ms

# Below is generated by plot.py at 2017-11-30 17:18:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.91 Mbit/s
95th percentile per-packet one-way delay: 18.883 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.91 Mbit/s
95th percentile per-packet one-way delay: 18.883 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

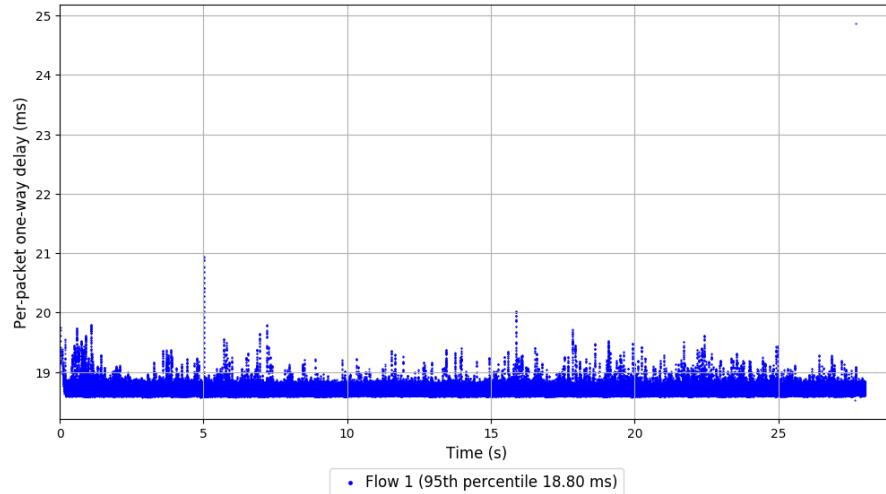
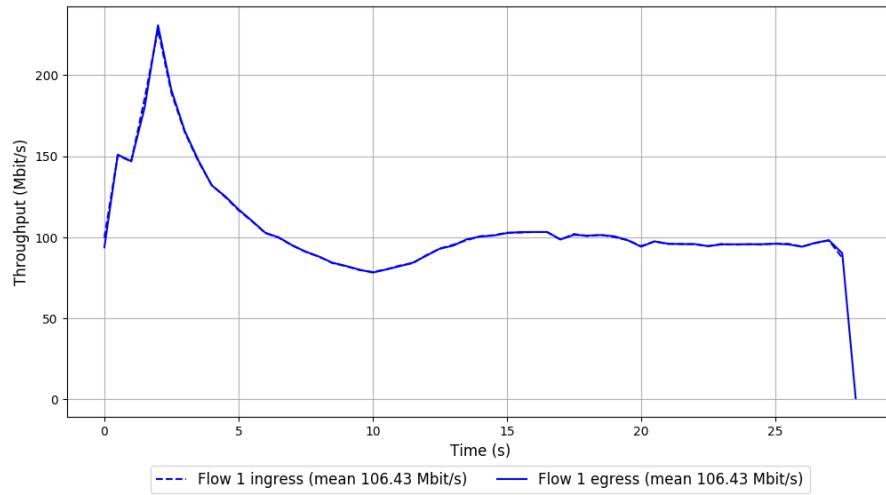


Run 5: Statistics of Copa

```
Start at: 2017-11-30 13:19:46
End at: 2017-11-30 13:20:16
Local clock offset: 0.089 ms
Remote clock offset: -1.66 ms

# Below is generated by plot.py at 2017-11-30 17:18:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.43 Mbit/s
95th percentile per-packet one-way delay: 18.800 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.43 Mbit/s
95th percentile per-packet one-way delay: 18.800 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

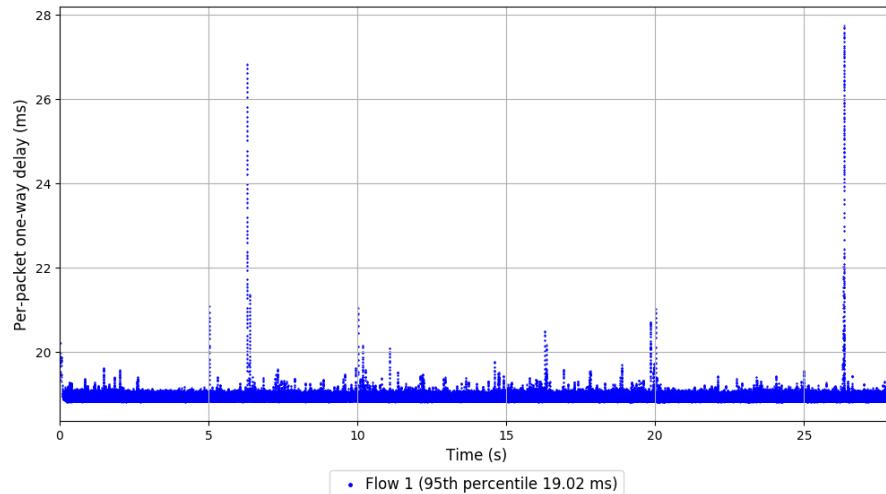
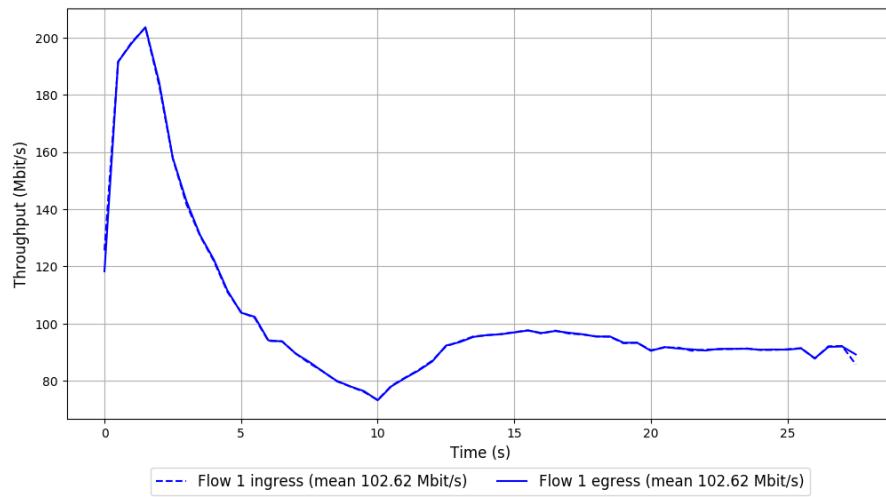


Run 6: Statistics of Copa

```
Start at: 2017-11-30 13:38:00
End at: 2017-11-30 13:38:31
Local clock offset: 0.113 ms
Remote clock offset: -1.48 ms

# Below is generated by plot.py at 2017-11-30 17:18:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.62 Mbit/s
95th percentile per-packet one-way delay: 19.018 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 102.62 Mbit/s
95th percentile per-packet one-way delay: 19.018 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

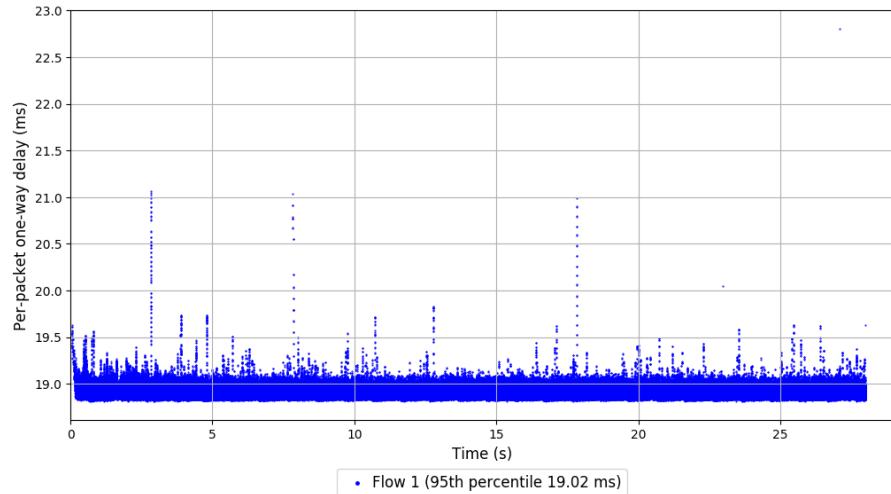
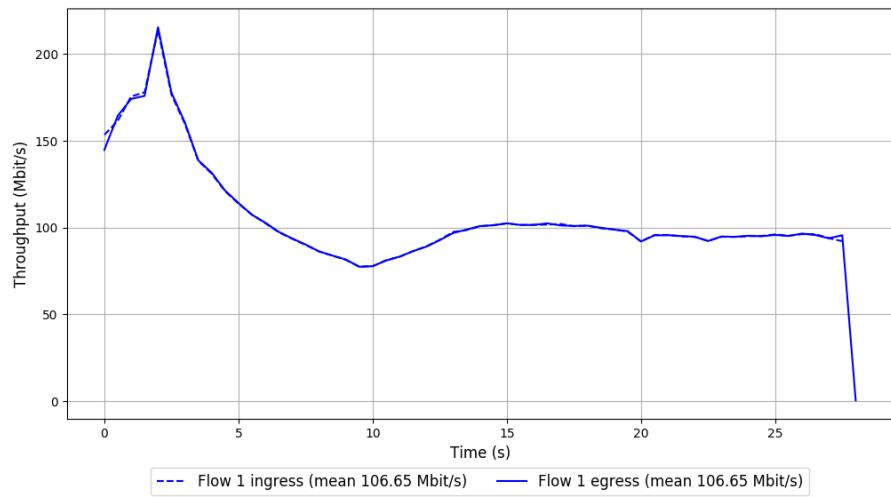


Run 7: Statistics of Copa

```
Start at: 2017-11-30 13:56:57
End at: 2017-11-30 13:57:27
Local clock offset: 0.169 ms
Remote clock offset: -1.589 ms

# Below is generated by plot.py at 2017-11-30 17:19:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.65 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 106.65 Mbit/s
95th percentile per-packet one-way delay: 19.019 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

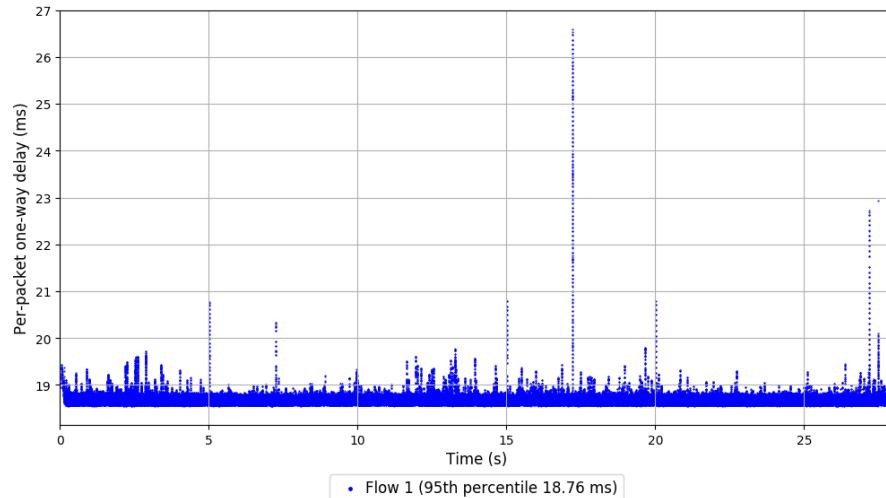
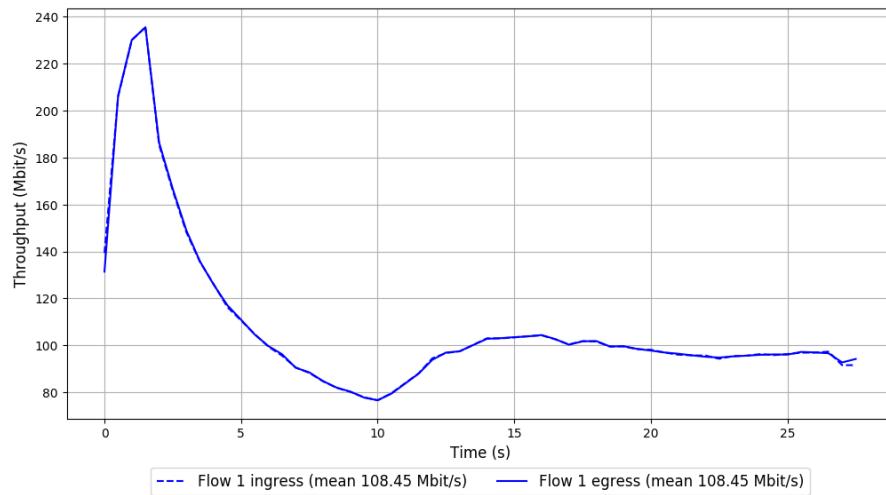


Run 8: Statistics of Copa

```
Start at: 2017-11-30 14:15:51
End at: 2017-11-30 14:16:21
Local clock offset: 0.116 ms
Remote clock offset: -1.478 ms

# Below is generated by plot.py at 2017-11-30 17:19:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.45 Mbit/s
95th percentile per-packet one-way delay: 18.764 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 108.45 Mbit/s
95th percentile per-packet one-way delay: 18.764 ms
Loss rate: 0.01%
```

### Run 8: Report of Copa — Data Link

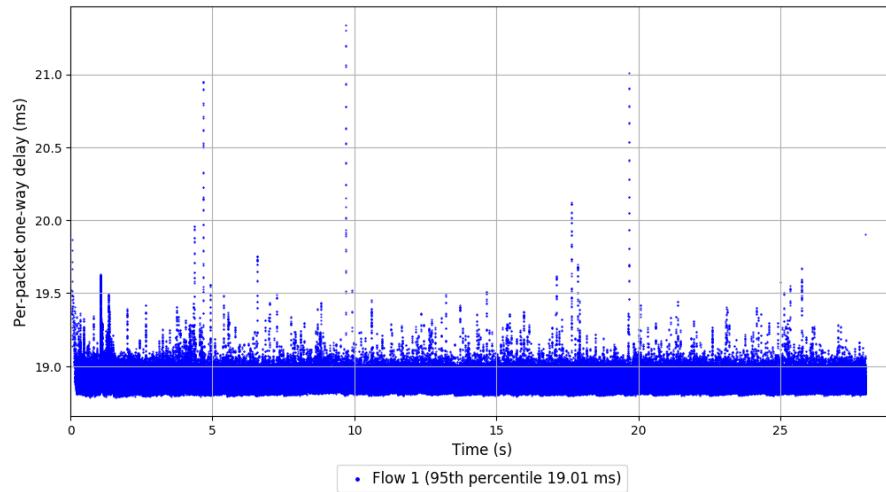
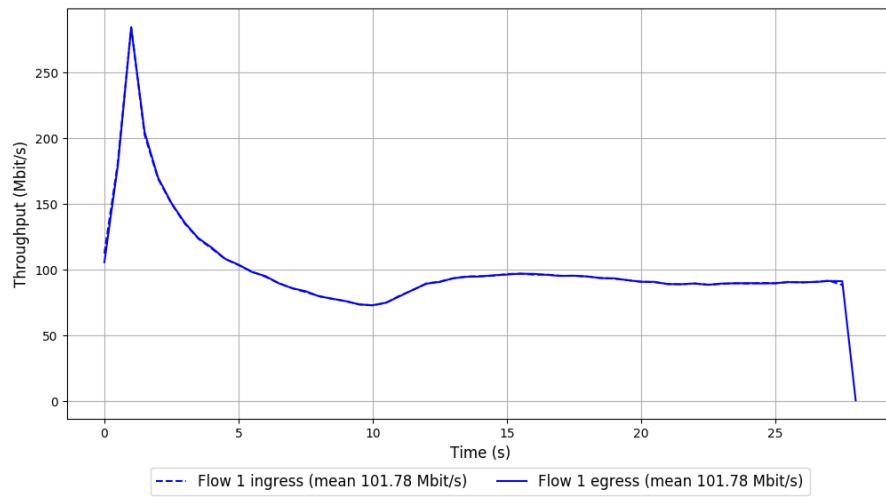


Run 9: Statistics of Copa

```
Start at: 2017-11-30 14:34:26
End at: 2017-11-30 14:34:56
Local clock offset: 0.056 ms
Remote clock offset: -1.762 ms

# Below is generated by plot.py at 2017-11-30 17:19:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.78 Mbit/s
95th percentile per-packet one-way delay: 19.006 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 101.78 Mbit/s
95th percentile per-packet one-way delay: 19.006 ms
Loss rate: 0.01%
```

Run 9: Report of Copa — Data Link

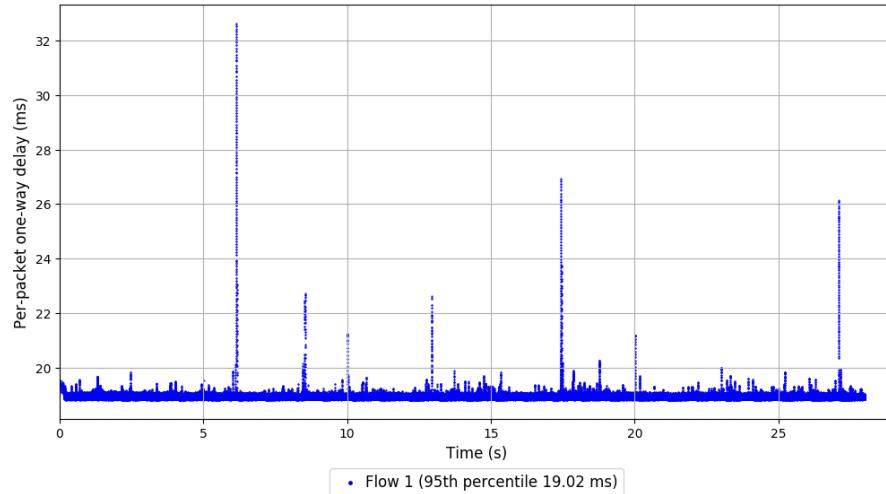
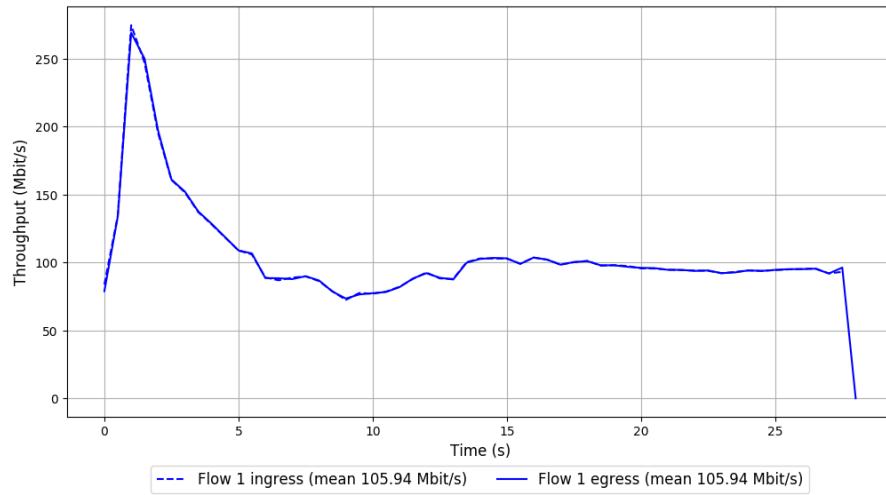


Run 10: Statistics of Copa

```
Start at: 2017-11-30 14:53:06
End at: 2017-11-30 14:53:36
Local clock offset: -0.026 ms
Remote clock offset: -1.924 ms

# Below is generated by plot.py at 2017-11-30 17:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.94 Mbit/s
95th percentile per-packet one-way delay: 19.016 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 105.94 Mbit/s
95th percentile per-packet one-way delay: 19.016 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

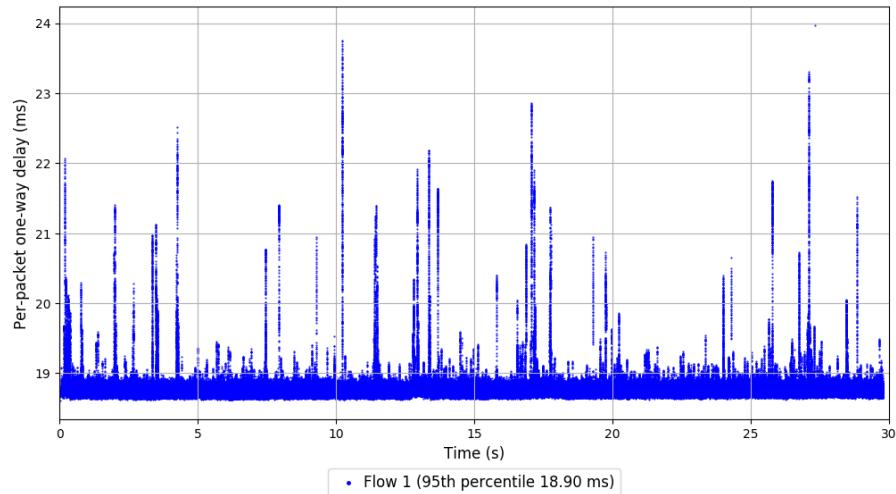
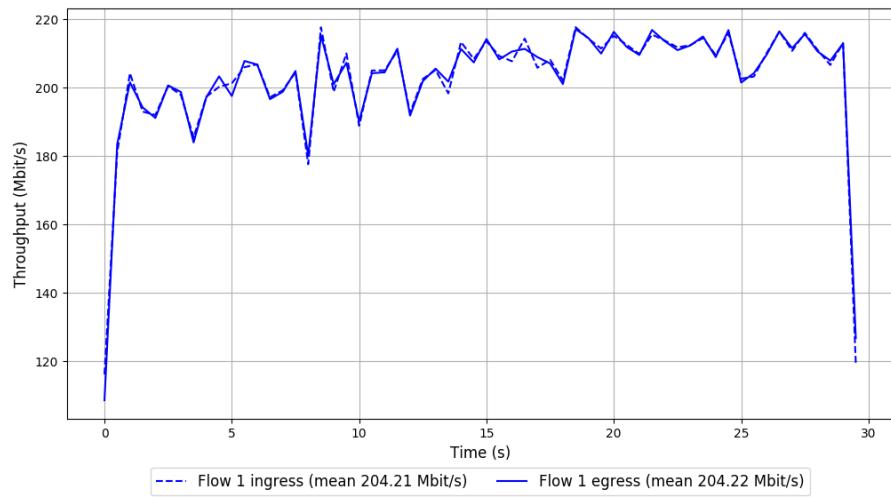


Run 1: Statistics of Indigo

```
Start at: 2017-11-30 12:07:05
End at: 2017-11-30 12:07:35
Local clock offset: 0.02 ms
Remote clock offset: -1.508 ms

# Below is generated by plot.py at 2017-11-30 17:21:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.22 Mbit/s
95th percentile per-packet one-way delay: 18.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 204.22 Mbit/s
95th percentile per-packet one-way delay: 18.896 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

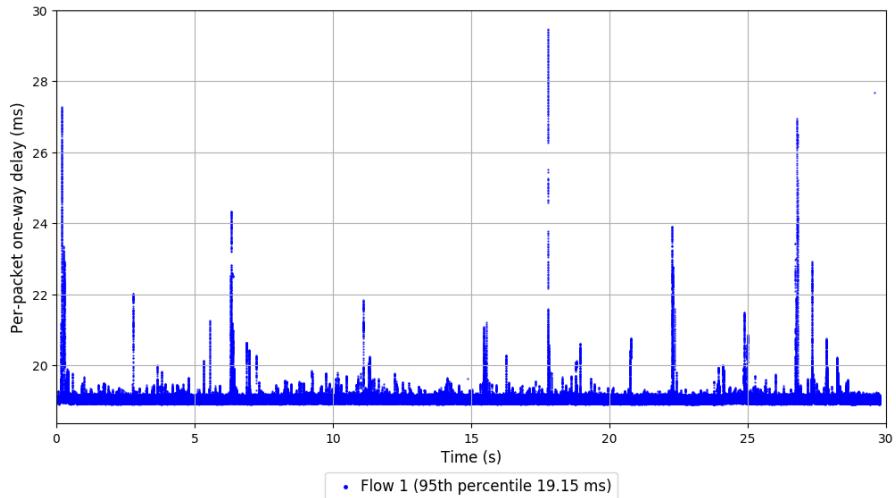
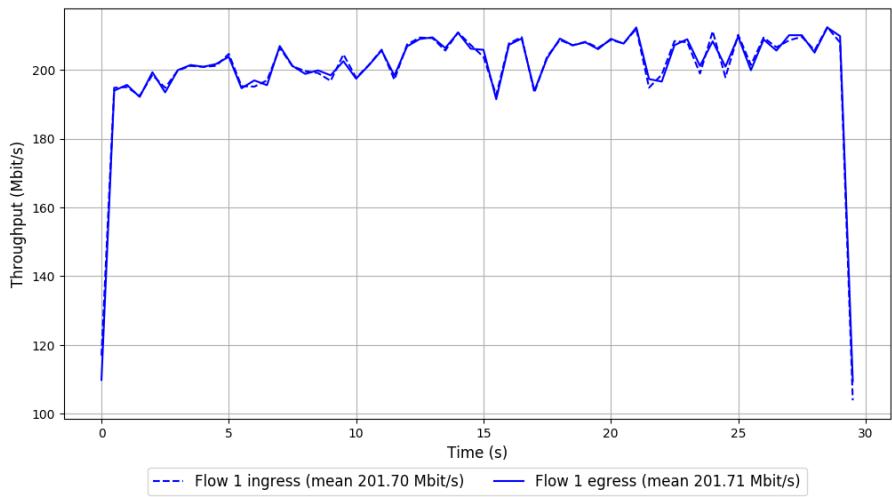


Run 2: Statistics of Indigo

```
Start at: 2017-11-30 12:25:52
End at: 2017-11-30 12:26:22
Local clock offset: 0.088 ms
Remote clock offset: -1.767 ms

# Below is generated by plot.py at 2017-11-30 17:21:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 201.71 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 201.71 Mbit/s
95th percentile per-packet one-way delay: 19.150 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

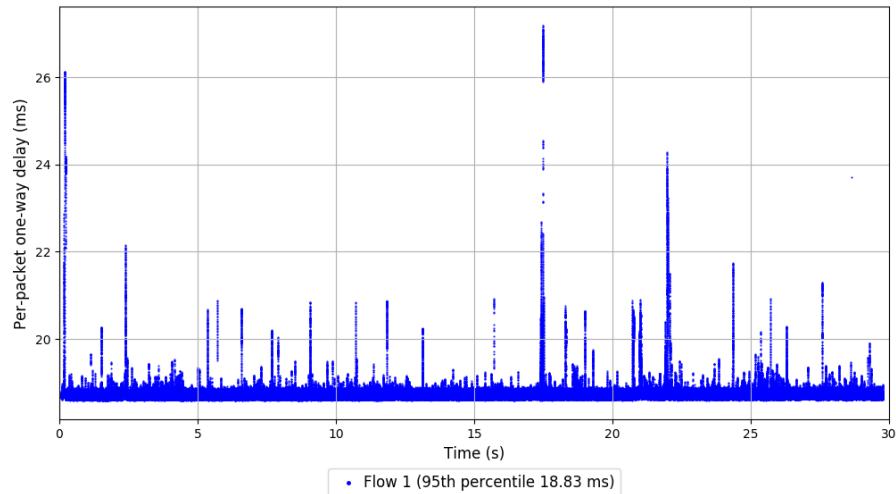
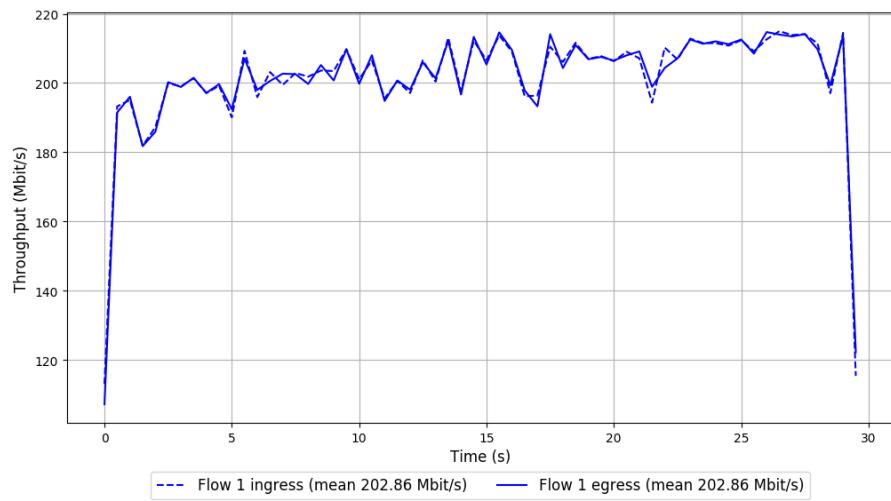


Run 3: Statistics of Indigo

```
Start at: 2017-11-30 12:44:47
End at: 2017-11-30 12:45:17
Local clock offset: 0.115 ms
Remote clock offset: -1.871 ms

# Below is generated by plot.py at 2017-11-30 17:21:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.86 Mbit/s
95th percentile per-packet one-way delay: 18.834 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 202.86 Mbit/s
95th percentile per-packet one-way delay: 18.834 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo — Data Link

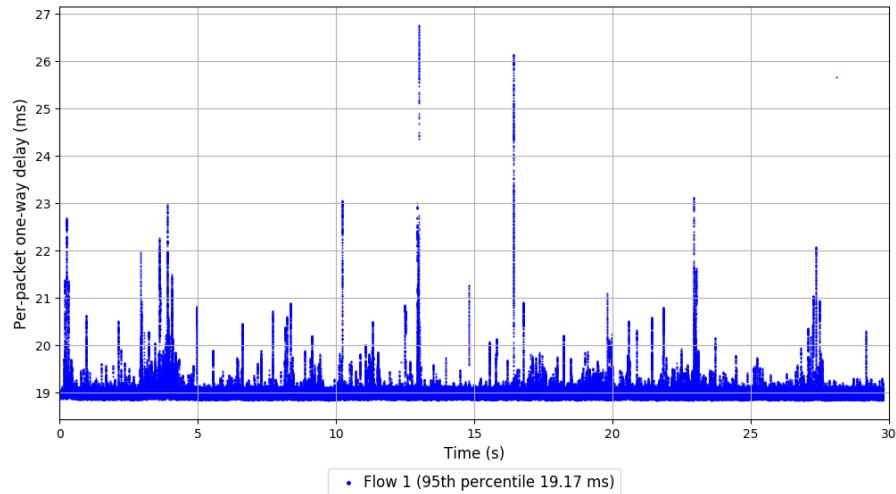
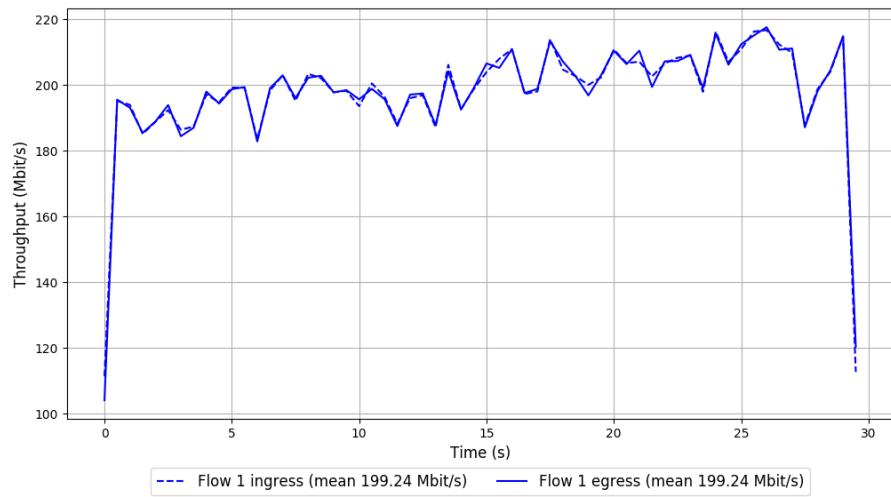


Run 4: Statistics of Indigo

```
Start at: 2017-11-30 13:03:21
End at: 2017-11-30 13:03:51
Local clock offset: 0.104 ms
Remote clock offset: -1.86 ms

# Below is generated by plot.py at 2017-11-30 17:21:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.24 Mbit/s
95th percentile per-packet one-way delay: 19.166 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 199.24 Mbit/s
95th percentile per-packet one-way delay: 19.166 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo — Data Link

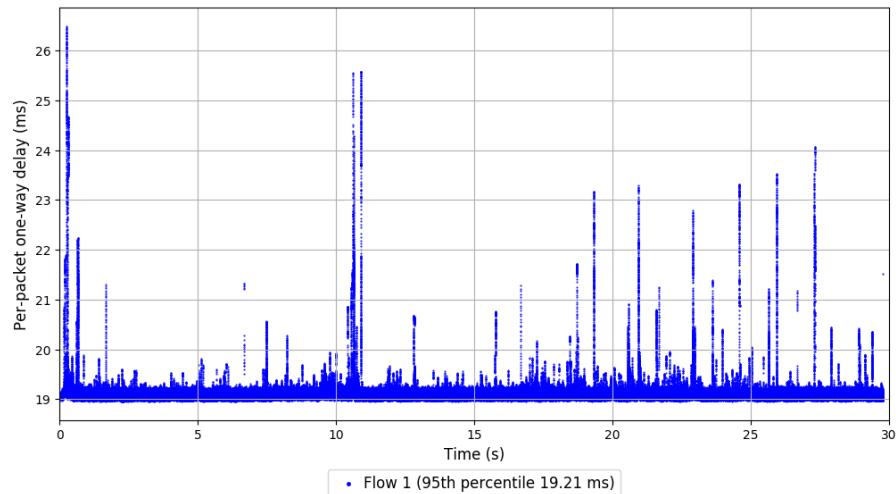
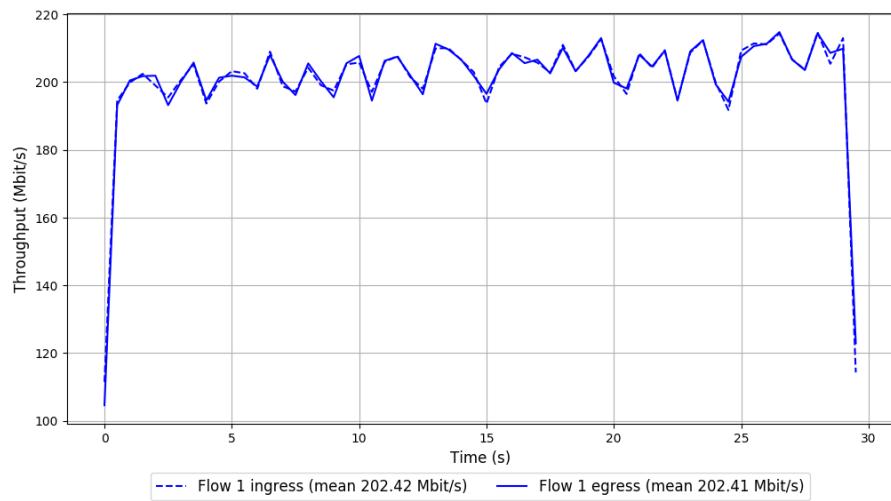


Run 5: Statistics of Indigo

```
Start at: 2017-11-30 13:22:13
End at: 2017-11-30 13:22:43
Local clock offset: 0.004 ms
Remote clock offset: -1.633 ms

# Below is generated by plot.py at 2017-11-30 17:22:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.41 Mbit/s
95th percentile per-packet one-way delay: 19.212 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.41 Mbit/s
95th percentile per-packet one-way delay: 19.212 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

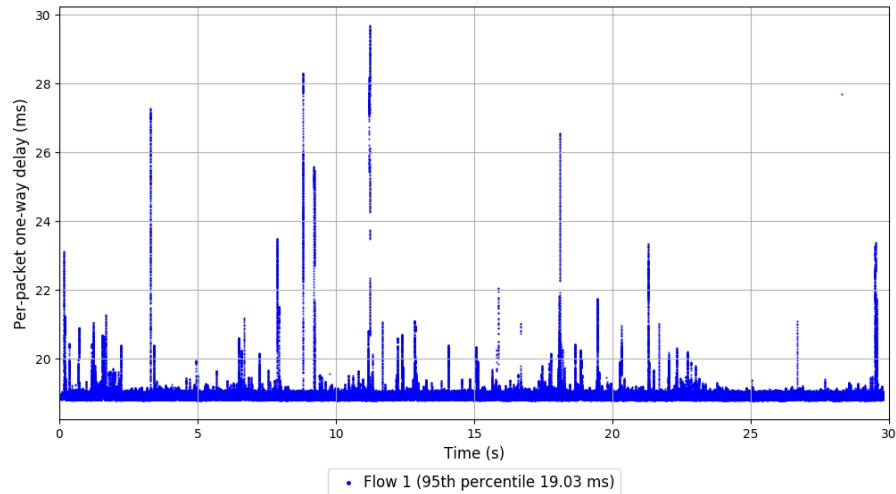
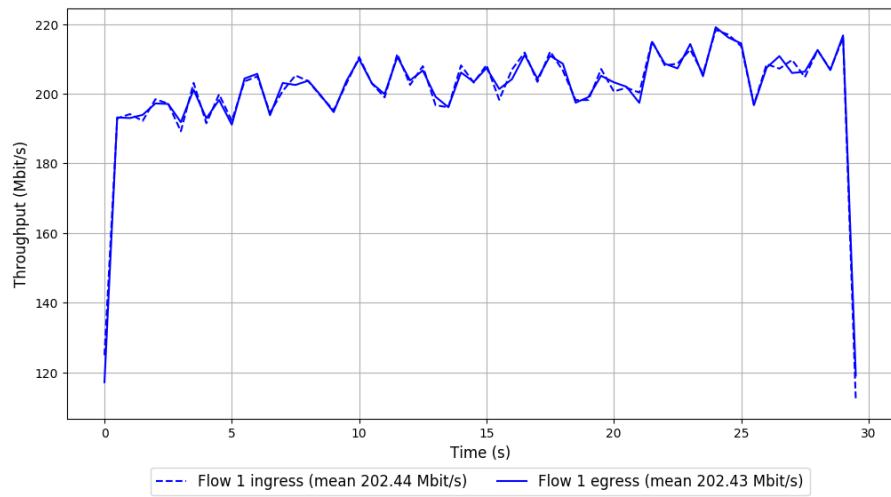


Run 6: Statistics of Indigo

```
Start at: 2017-11-30 13:40:27
End at: 2017-11-30 13:40:57
Local clock offset: 0.056 ms
Remote clock offset: -1.352 ms

# Below is generated by plot.py at 2017-11-30 17:22:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.43 Mbit/s
95th percentile per-packet one-way delay: 19.027 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.43 Mbit/s
95th percentile per-packet one-way delay: 19.027 ms
Loss rate: 0.00%
```

Run 6: Report of Indigo — Data Link

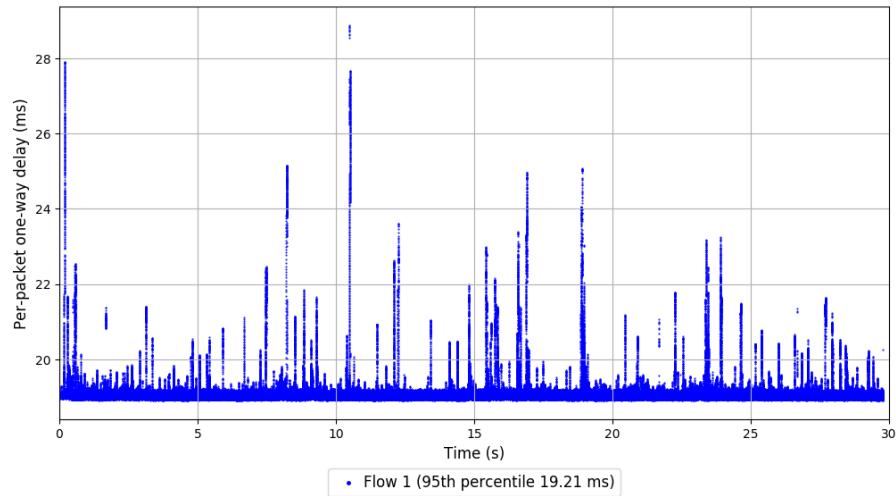
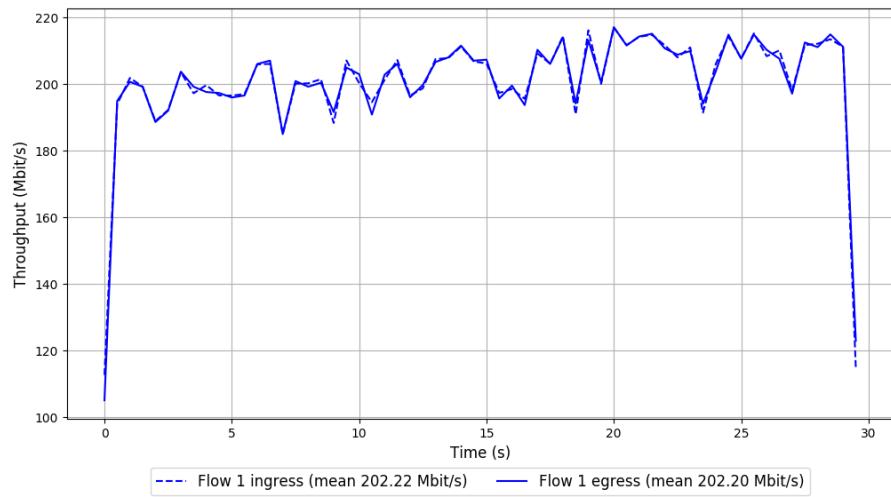


Run 7: Statistics of Indigo

```
Start at: 2017-11-30 13:59:24
End at: 2017-11-30 13:59:54
Local clock offset: 0.067 ms
Remote clock offset: -1.592 ms

# Below is generated by plot.py at 2017-11-30 17:22:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.20 Mbit/s
95th percentile per-packet one-way delay: 19.210 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 202.20 Mbit/s
95th percentile per-packet one-way delay: 19.210 ms
Loss rate: 0.00%
```

Run 7: Report of Indigo — Data Link

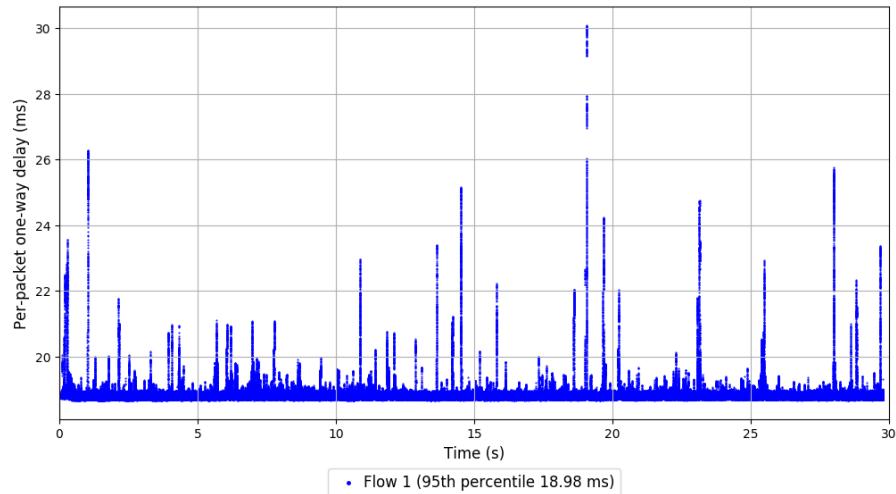
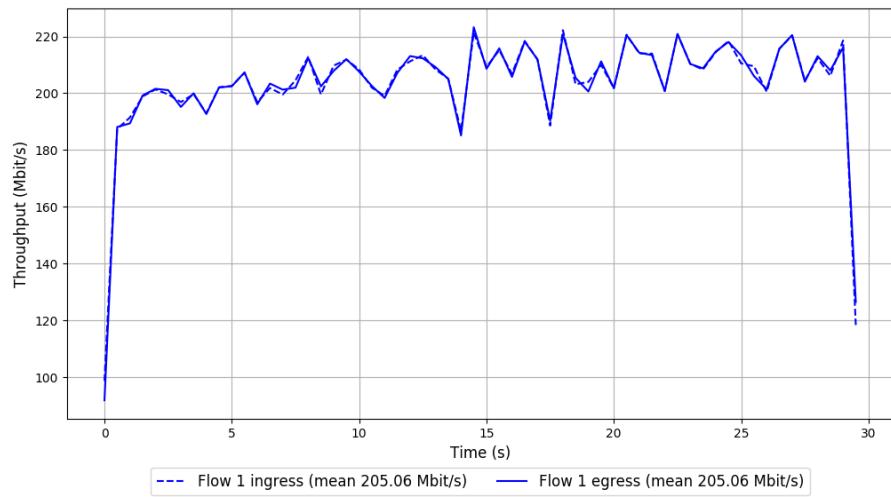


Run 8: Statistics of Indigo

```
Start at: 2017-11-30 14:18:18
End at: 2017-11-30 14:18:48
Local clock offset: 0.112 ms
Remote clock offset: -1.396 ms

# Below is generated by plot.py at 2017-11-30 17:23:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.06 Mbit/s
95th percentile per-packet one-way delay: 18.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 205.06 Mbit/s
95th percentile per-packet one-way delay: 18.975 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

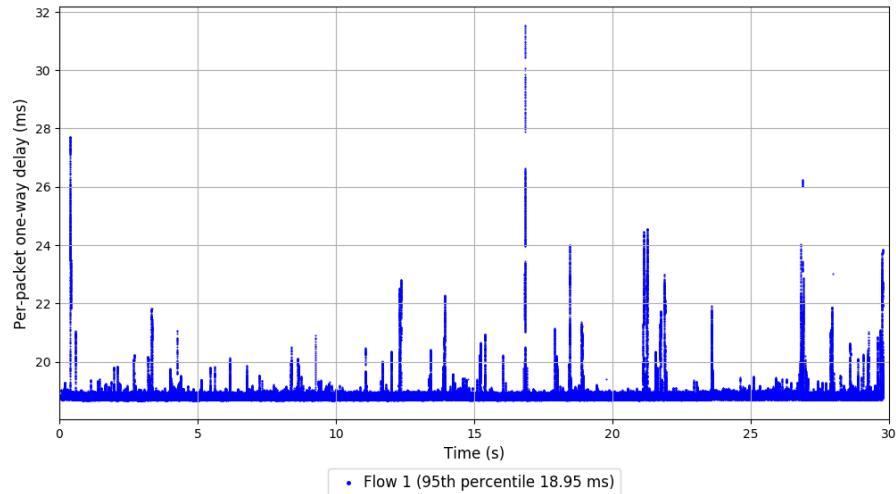
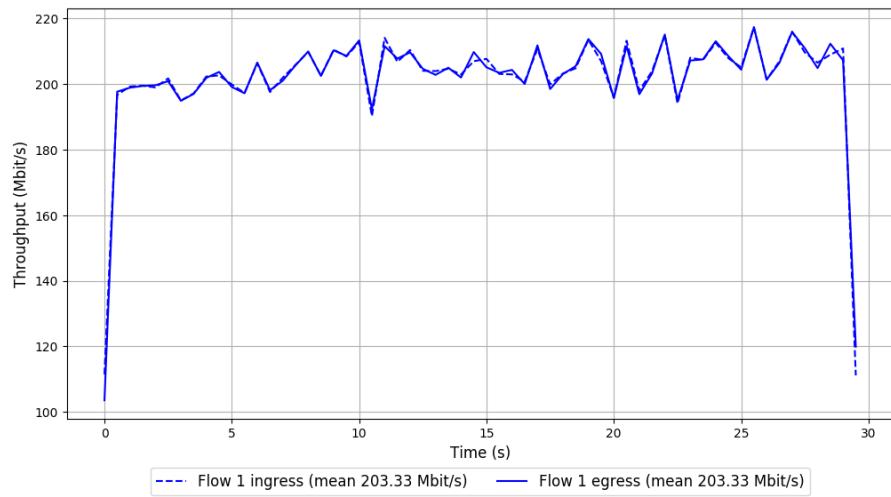


Run 9: Statistics of Indigo

```
Start at: 2017-11-30 14:36:53
End at: 2017-11-30 14:37:23
Local clock offset: -0.045 ms
Remote clock offset: -1.791 ms

# Below is generated by plot.py at 2017-11-30 17:23:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.33 Mbit/s
95th percentile per-packet one-way delay: 18.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 203.33 Mbit/s
95th percentile per-packet one-way delay: 18.948 ms
Loss rate: 0.00%
```

Run 9: Report of Indigo — Data Link

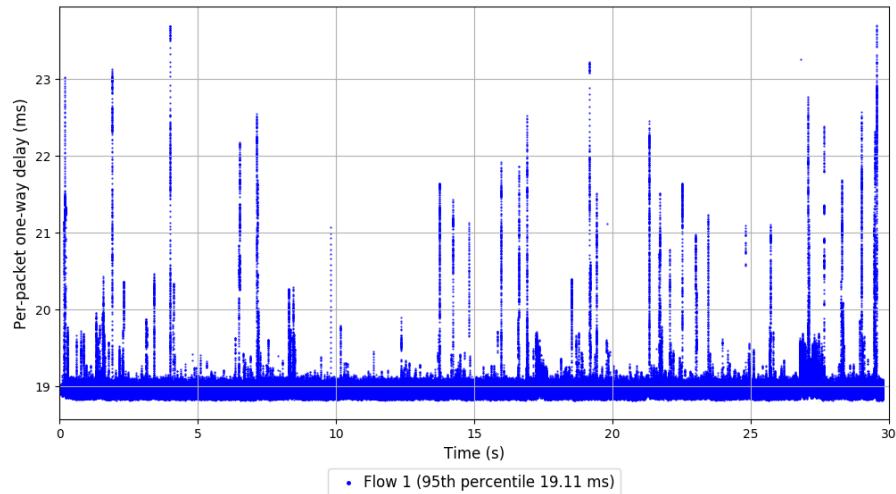
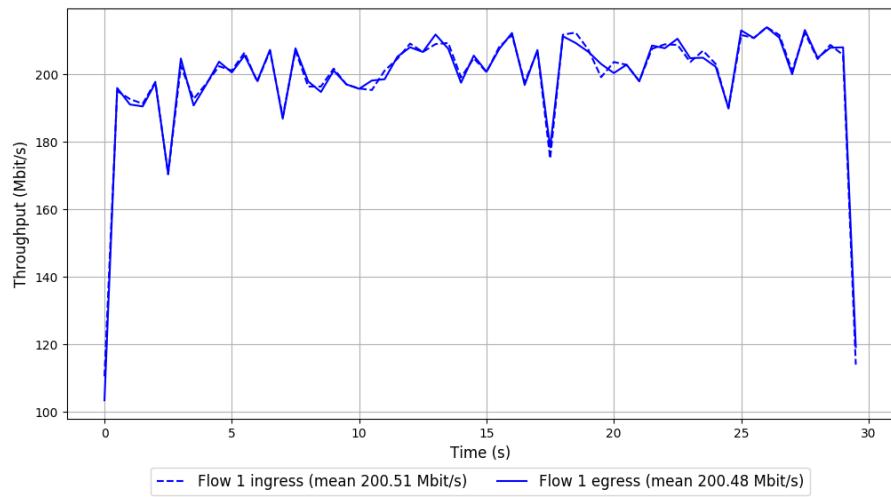


Run 10: Statistics of Indigo

```
Start at: 2017-11-30 14:55:33
End at: 2017-11-30 14:56:03
Local clock offset: -0.027 ms
Remote clock offset: -1.918 ms

# Below is generated by plot.py at 2017-11-30 17:23:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 200.48 Mbit/s
95th percentile per-packet one-way delay: 19.106 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 200.48 Mbit/s
95th percentile per-packet one-way delay: 19.106 ms
Loss rate: 0.02%
```

Run 10: Report of Indigo — Data Link



Run 1: Statistics of Indigo-calib

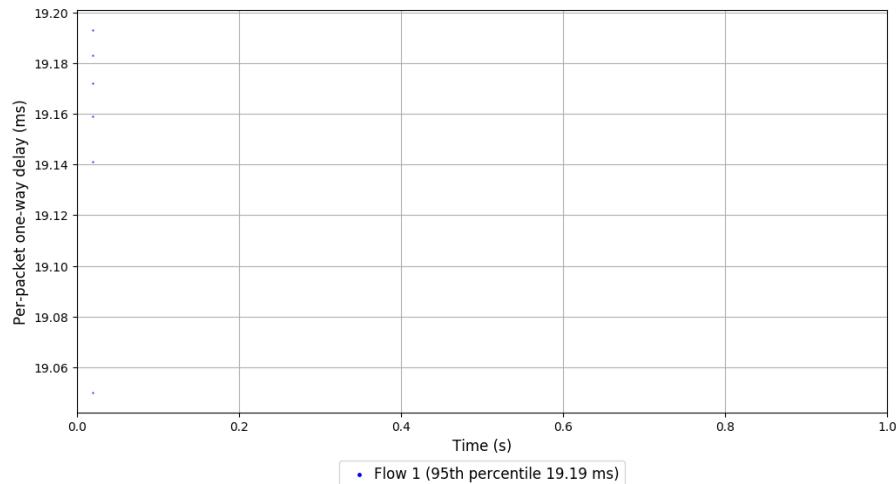
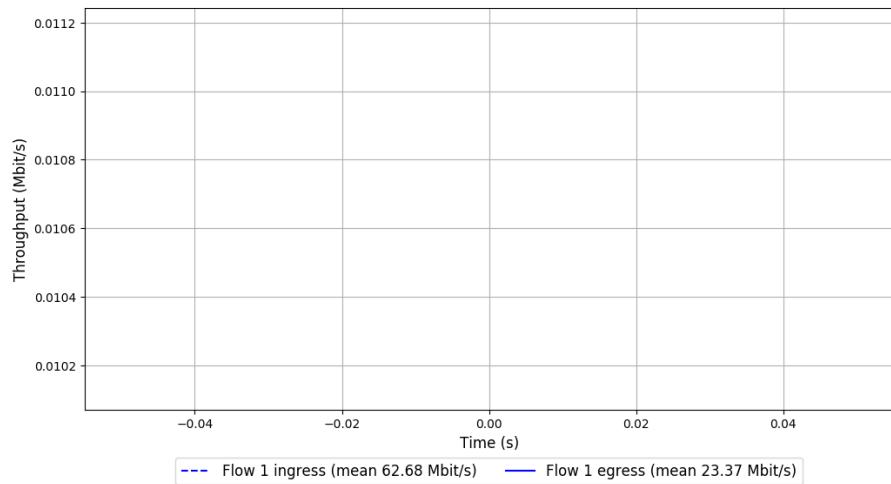
Start at: 2017-11-30 12:03:28

End at: 2017-11-30 12:03:58

Local clock offset: -0.051 ms

Remote clock offset: -1.403 ms

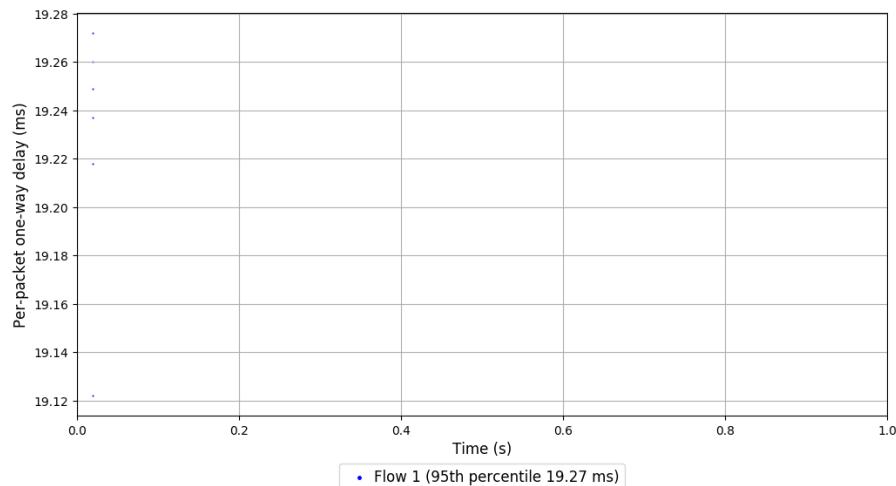
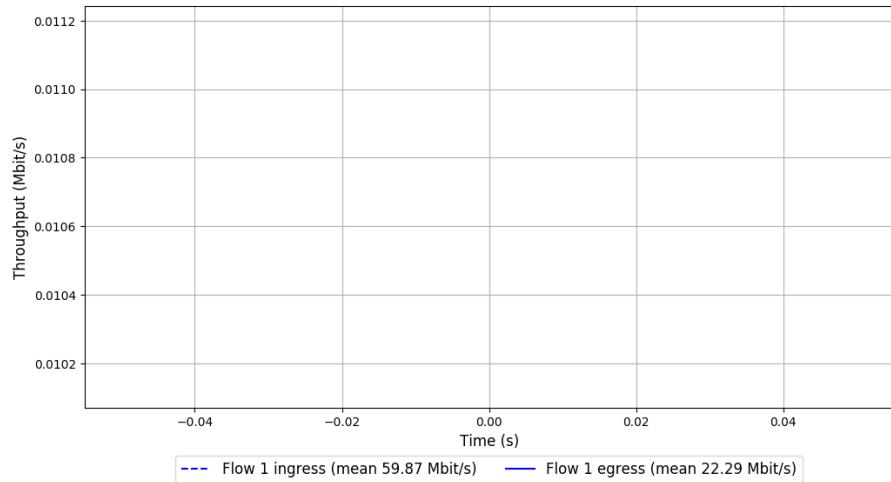
Run 1: Report of Indigo-calib — Data Link



Run 2: Statistics of Indigo-calib

Start at: 2017-11-30 12:22:15  
End at: 2017-11-30 12:22:45  
Local clock offset: 0.004 ms  
Remote clock offset: -1.808 ms

Run 2: Report of Indigo-calib — Data Link

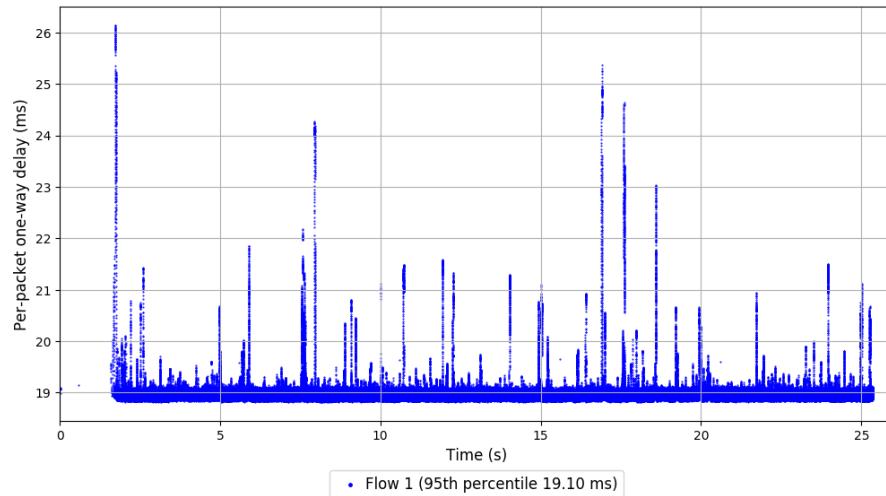
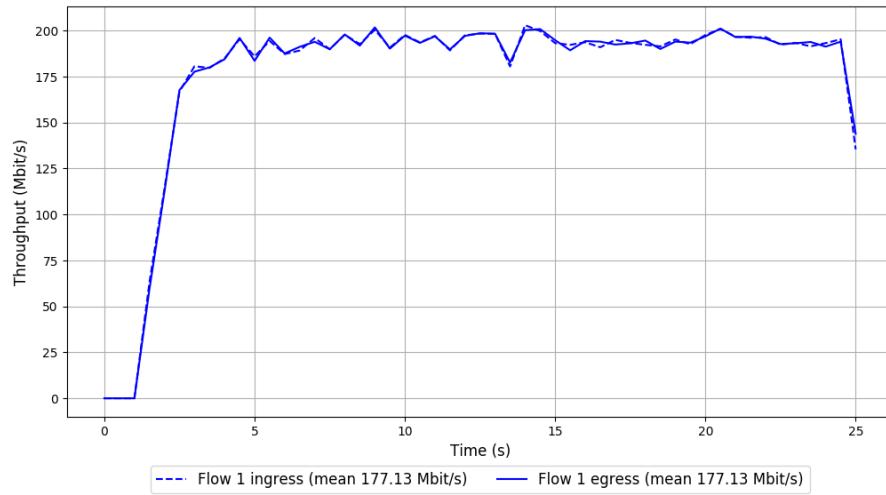


Run 3: Statistics of Indigo-calib

```
Start at: 2017-11-30 12:41:02
End at: 2017-11-30 12:41:32
Local clock offset: 0.097 ms
Remote clock offset: -1.807 ms

# Below is generated by plot.py at 2017-11-30 17:23:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.13 Mbit/s
95th percentile per-packet one-way delay: 19.097 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 177.13 Mbit/s
95th percentile per-packet one-way delay: 19.097 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-calib — Data Link



Run 4: Statistics of Indigo-calib

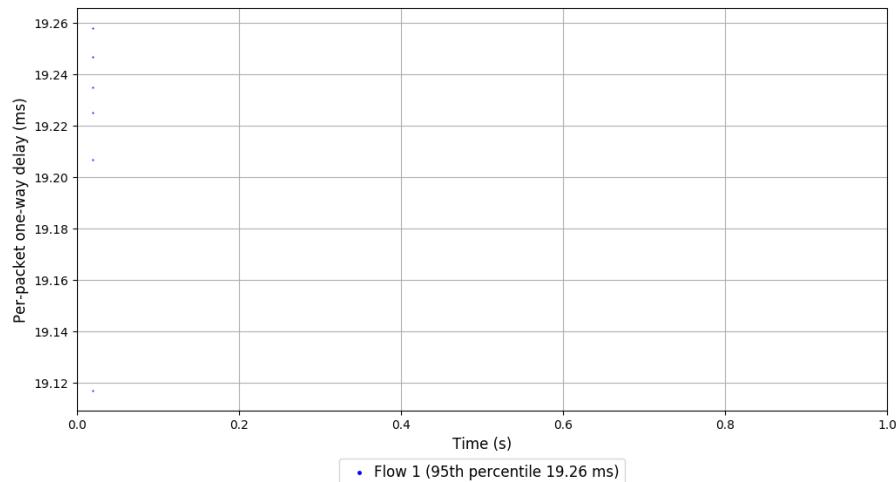
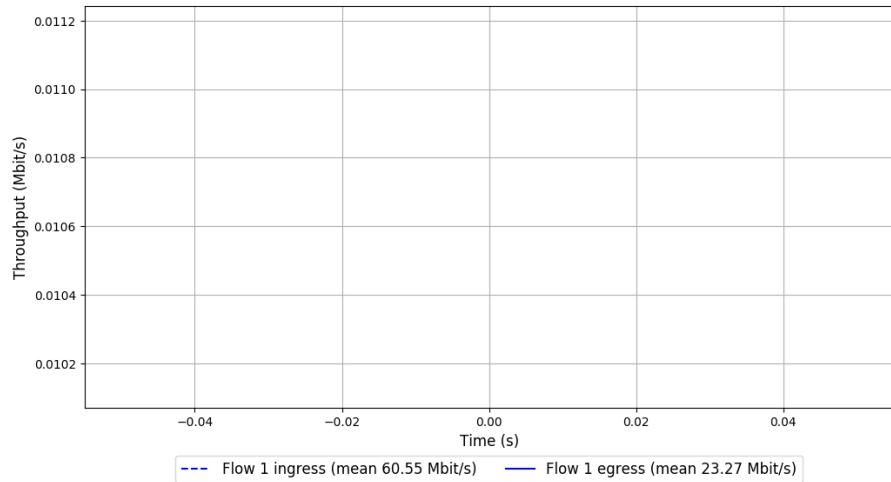
Start at: 2017-11-30 12:59:44

End at: 2017-11-30 13:00:14

Local clock offset: 0.122 ms

Remote clock offset: -1.964 ms

Run 4: Report of Indigo-calib — Data Link

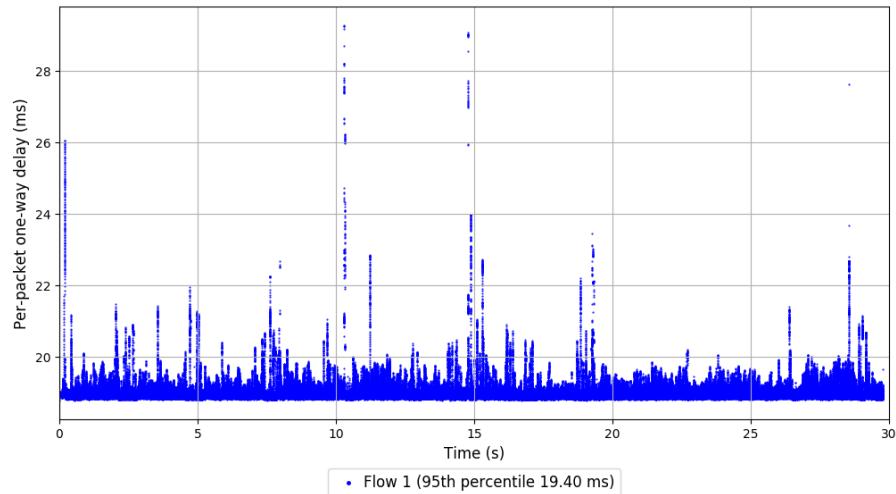
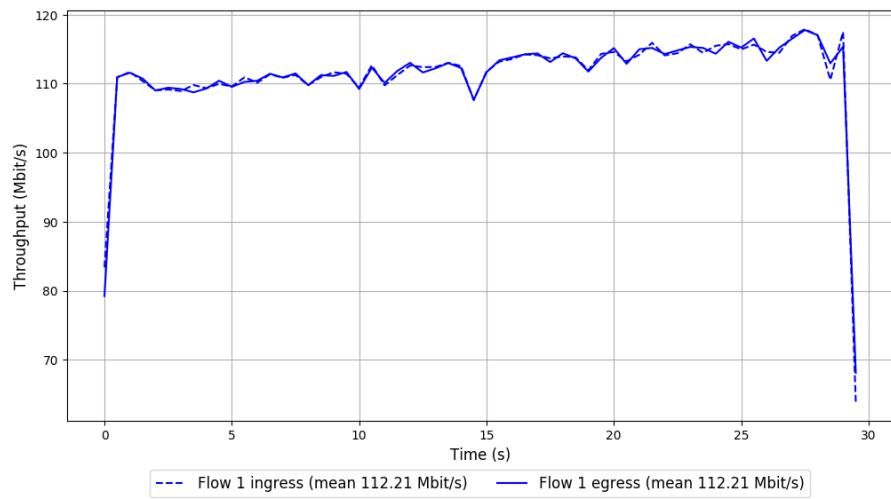


Run 5: Statistics of Indigo-calib

```
Start at: 2017-11-30 13:18:30
End at: 2017-11-30 13:19:00
Local clock offset: 0.098 ms
Remote clock offset: -1.662 ms

# Below is generated by plot.py at 2017-11-30 17:23:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 112.21 Mbit/s
95th percentile per-packet one-way delay: 19.399 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 112.21 Mbit/s
95th percentile per-packet one-way delay: 19.399 ms
Loss rate: 0.00%
```

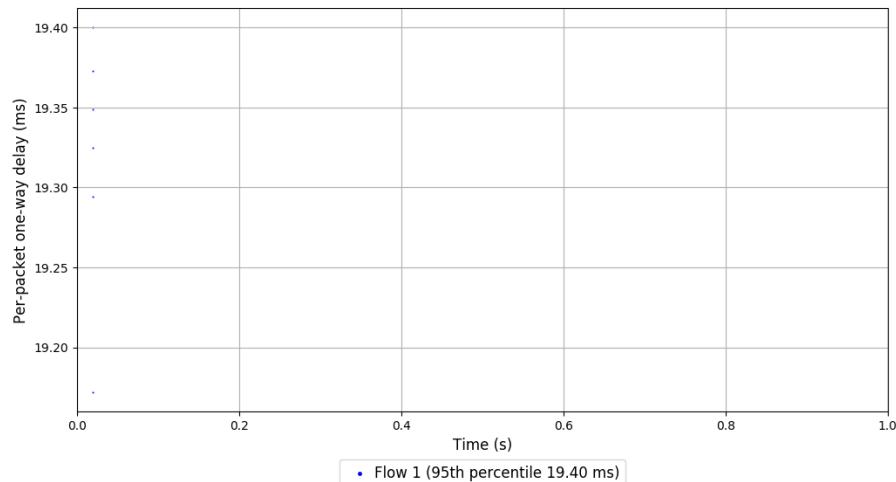
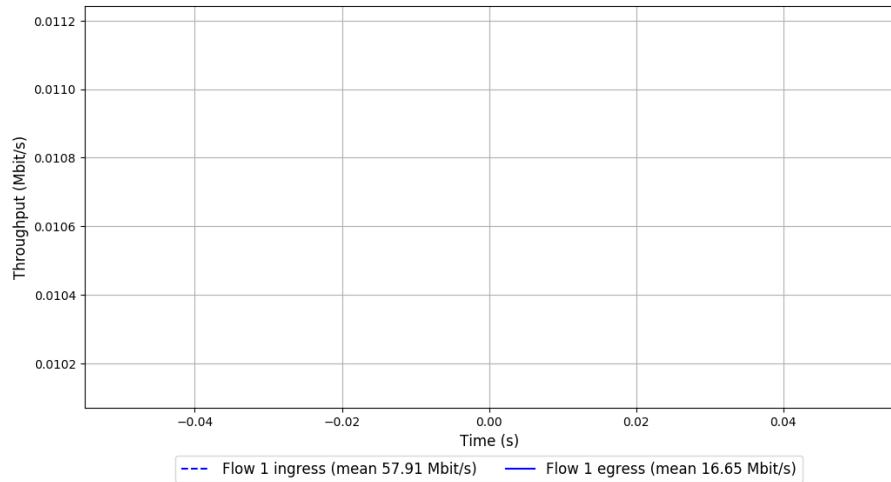
Run 5: Report of Indigo-calib — Data Link



Run 6: Statistics of Indigo-calib

Start at: 2017-11-30 13:36:50  
End at: 2017-11-30 13:37:20  
Local clock offset: 0.045 ms  
Remote clock offset: -1.508 ms

Run 6: Report of Indigo-calib — Data Link



Run 7: Statistics of Indigo-calib

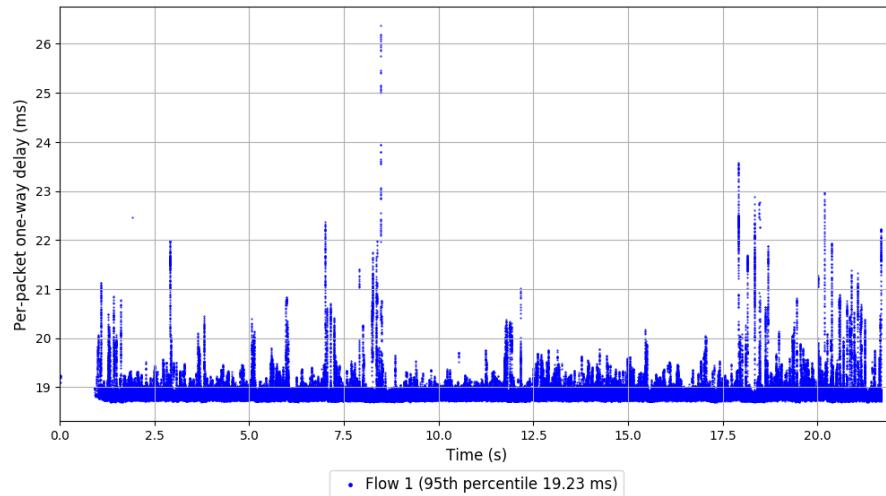
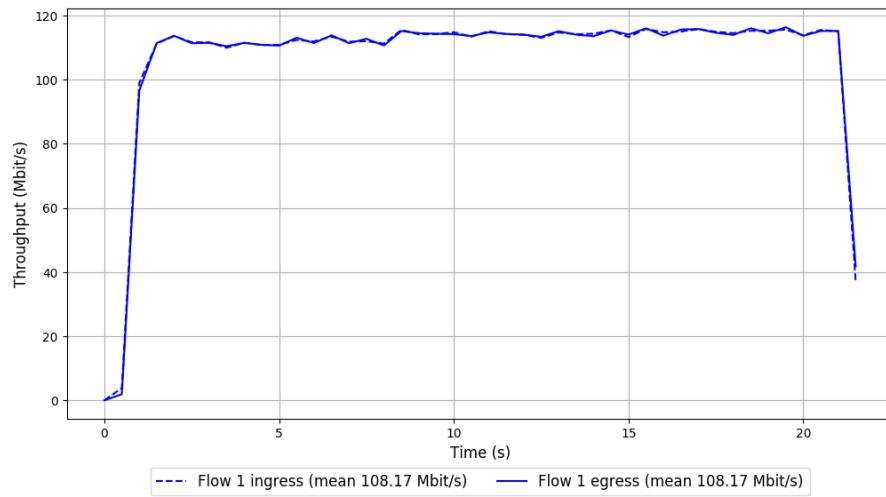
Start at: 2017-11-30 13:55:43

End at: 2017-11-30 13:56:13

Local clock offset: 0.077 ms

Remote clock offset: -1.598 ms

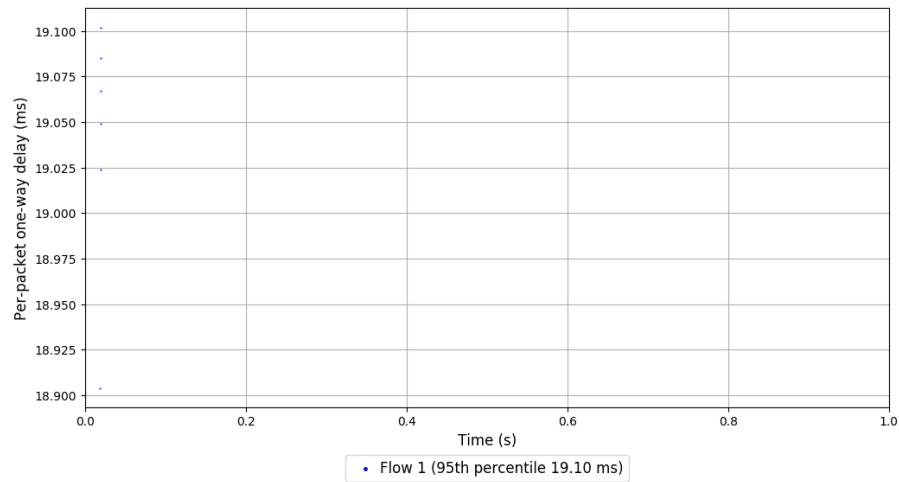
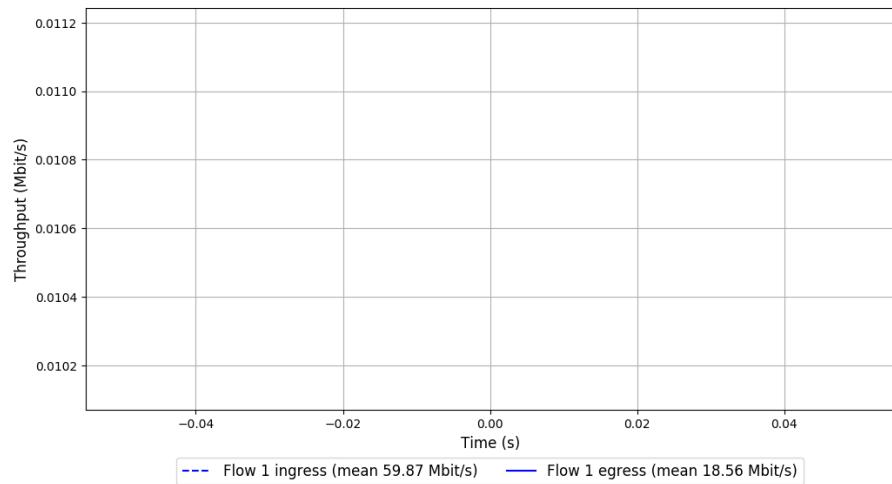
Run 7: Report of Indigo-calib — Data Link



Run 8: Statistics of Indigo-calib

Start at: 2017-11-30 14:14:41  
End at: 2017-11-30 14:15:11  
Local clock offset: 0.128 ms  
Remote clock offset: -1.486 ms

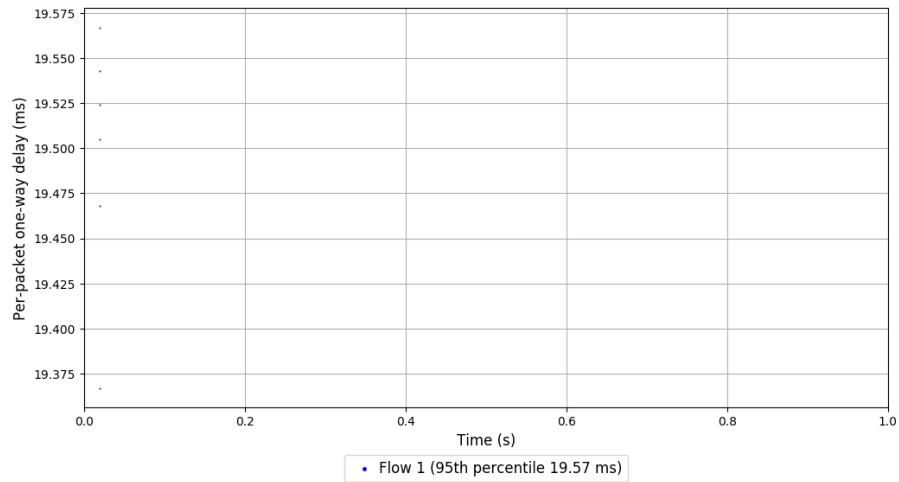
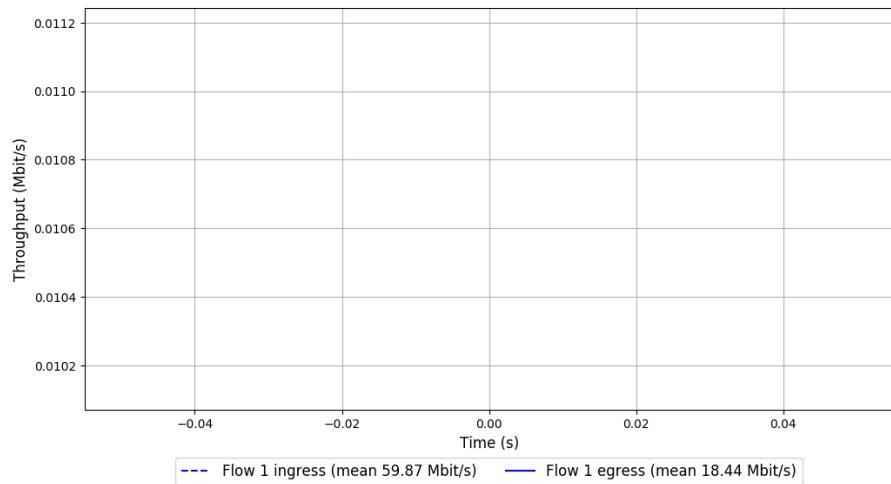
Run 8: Report of Indigo-calib — Data Link



Run 9: Statistics of Indigo-calib

Start at: 2017-11-30 14:33:17  
End at: 2017-11-30 14:33:47  
Local clock offset: -0.041 ms  
Remote clock offset: -1.696 ms

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-11-30 14:51:56

End at: 2017-11-30 14:52:26

Local clock offset: -0.093 ms

Remote clock offset: -1.939 ms

Run 10: Report of Indigo-calib — Data Link

