

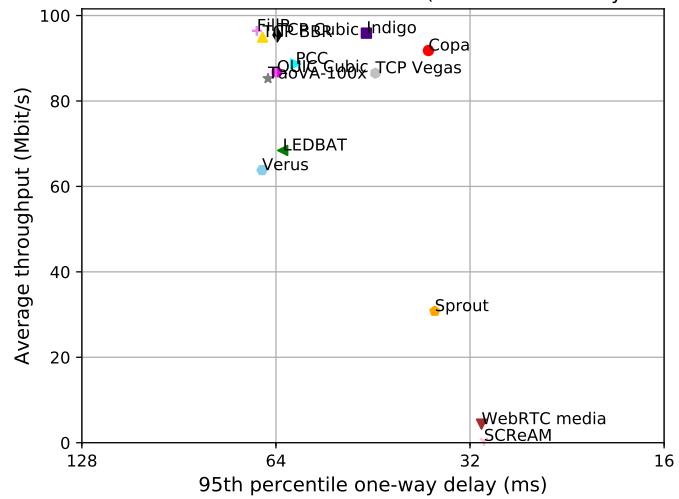
## Pantheon Report

Generated at 2018-01-02 15:01:22 (UTC).  
Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).  
Repeated the test of 14 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).  
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

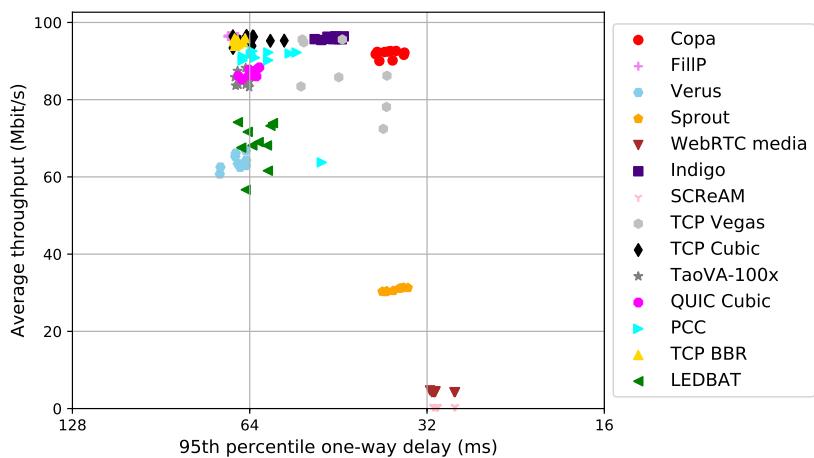
### Git summary:

```
branch: master @ 904a5750834816b1e46a2c86405d707788d27c16
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ dcaef6b00654e660f73f7ed679d2eab61ce08639
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows



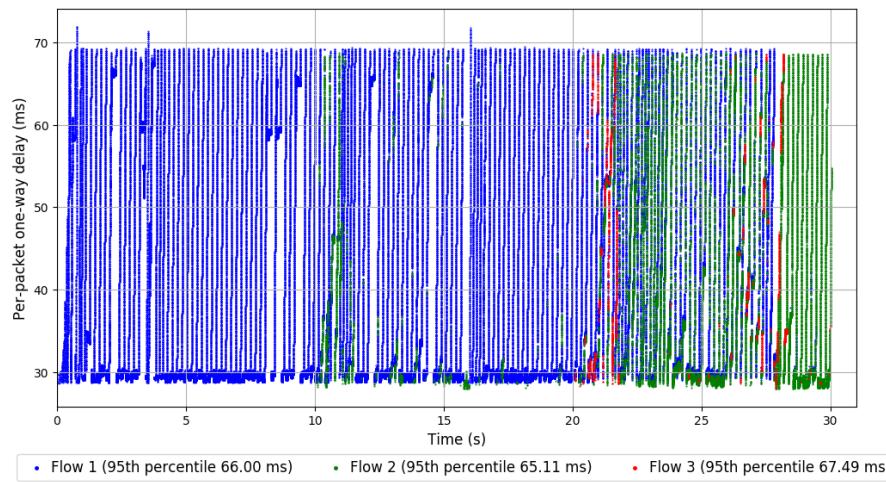
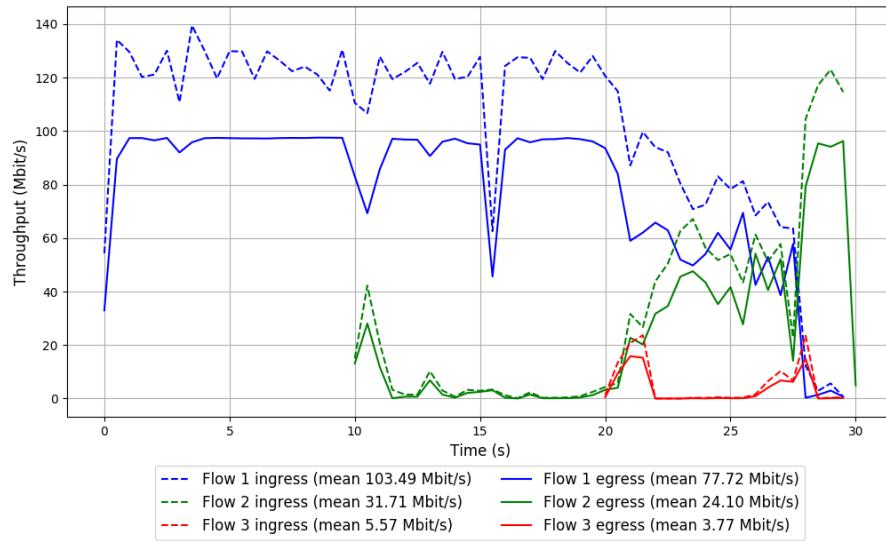
| scheme       | # runs | mean avg tput (Mbit/s) |        |        | mean 95th-%ile delay (ms) |        |        | mean loss rate (%) |        |        |
|--------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
|              |        | flow 1                 | flow 2 | flow 3 | flow 1                    | flow 2 | flow 3 | flow 1             | flow 2 | flow 3 |
| TCP BBR      | 10     | 69.81                  | 24.87  | 28.49  | 67.07                     | 66.98  | 67.38  | 24.66              | 31.54  | 30.62  |
| TCP Cubic    |        | 61.36                  | 33.97  | 34.63  | 63.35                     | 63.98  | 63.21  | 0.51               | 0.44   | 0.81   |
| LEDBAT       |        | 41.06                  | 30.54  | 21.70  | 61.04                     | 62.87  | 63.49  | 0.14               | 0.13   | 0.10   |
| PCC          |        | 74.53                  | 16.85  | 8.96   | 59.23                     | 60.96  | 61.10  | 1.67               | 1.85   | 2.12   |
| QUIC Cubic   |        | 58.21                  | 28.81  | 28.60  | 63.01                     | 64.15  | 64.98  | 1.44               | 1.39   | 1.06   |
| SCReAM       |        | 0.22                   | 0.22   | 0.22   | 30.08                     | 30.13  | 30.11  | 0.00               | 0.00   | 0.00   |
| WebRTC media |        | 2.31                   | 1.49   | 0.57   | 30.40                     | 30.66  | 30.95  | 0.03               | 0.01   | 0.01   |
| Sprout       |        | 15.70                  | 15.30  | 14.92  | 35.11                     | 36.91  | 37.21  | 0.09               | 0.06   | 0.20   |
| TaoVA-100x   |        | 51.98                  | 38.86  | 30.13  | 63.48                     | 66.35  | 66.57  | 14.84              | 26.20  | 18.07  |
| TCP Vegas    |        | 49.22                  | 44.69  | 20.14  | 322.32                    | 40.53  | 39.95  | 0.40               | 0.14   | 0.03   |
| Verus        |        | 41.90                  | 24.33  | 19.09  | 66.11                     | 68.24  | 66.42  | 38.63              | 46.39  | 43.44  |
| Copa         | 10     | 63.67                  | 33.03  | 24.49  | 36.88                     | 37.32  | 37.65  | 0.01               | 0.02   | 0.03   |
| FillP        |        | 50.58                  | 40.59  | 57.03  | 68.40                     | 68.71  | 68.57  | 27.38              | 33.23  | 36.40  |
| Indigo       |        | 66.27                  | 30.81  | 28.03  | 43.32                     | 48.73  | 51.84  | 0.25               | 0.38   | 0.33   |

Run 1: Statistics of TCP BBR

```
Start at: 2018-01-02 10:59:44
End at: 2018-01-02 11:00:14
Local clock offset: 0.763 ms
Remote clock offset: -1.56 ms

# Below is generated by plot.py at 2018-01-02 14:40:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.87 Mbit/s
95th percentile per-packet one-way delay: 65.853 ms
Loss rate: 24.84%
-- Flow 1:
Average throughput: 77.72 Mbit/s
95th percentile per-packet one-way delay: 66.002 ms
Loss rate: 24.89%
-- Flow 2:
Average throughput: 24.10 Mbit/s
95th percentile per-packet one-way delay: 65.108 ms
Loss rate: 23.91%
-- Flow 3:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 67.489 ms
Loss rate: 32.22%
```

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

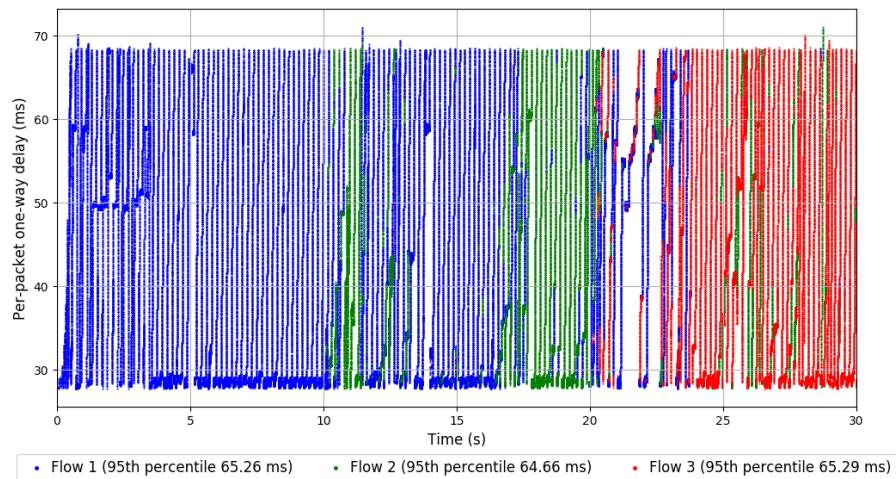
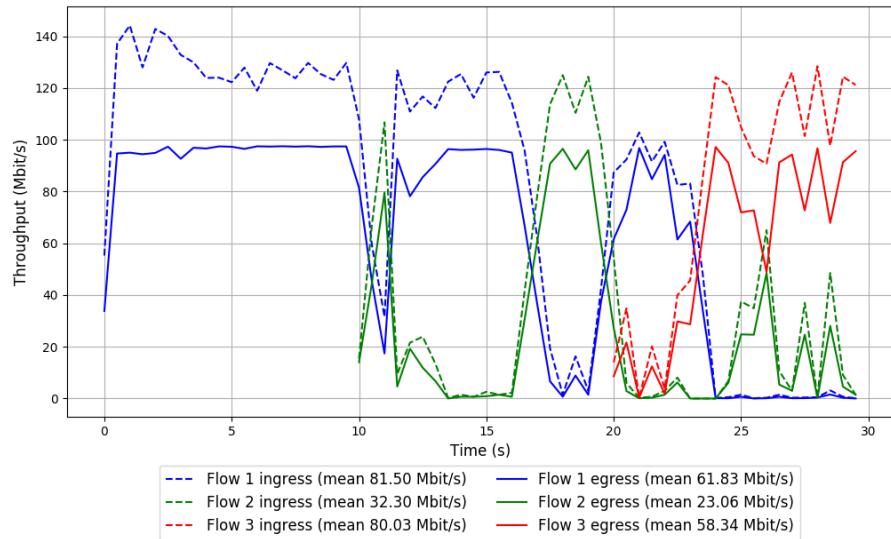


Run 2: Statistics of TCP BBR

```
Start at: 2018-01-02 11:20:36
End at: 2018-01-02 11:21:06
Local clock offset: 0.869 ms
Remote clock offset: -2.119 ms

# Below is generated by plot.py at 2018-01-02 14:40:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 65.165 ms
Loss rate: 25.60%
-- Flow 1:
Average throughput: 61.83 Mbit/s
95th percentile per-packet one-way delay: 65.256 ms
Loss rate: 24.27%
-- Flow 2:
Average throughput: 23.06 Mbit/s
95th percentile per-packet one-way delay: 64.662 ms
Loss rate: 28.53%
-- Flow 3:
Average throughput: 58.34 Mbit/s
95th percentile per-packet one-way delay: 65.290 ms
Loss rate: 27.26%
```

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

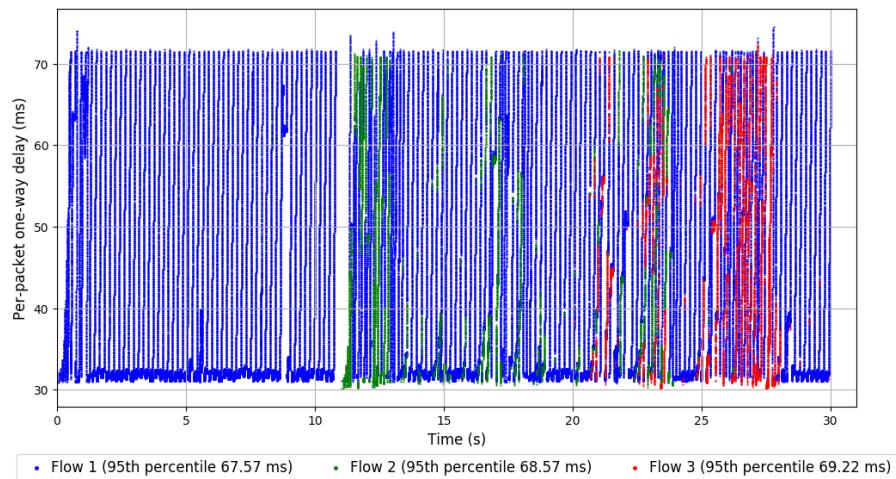
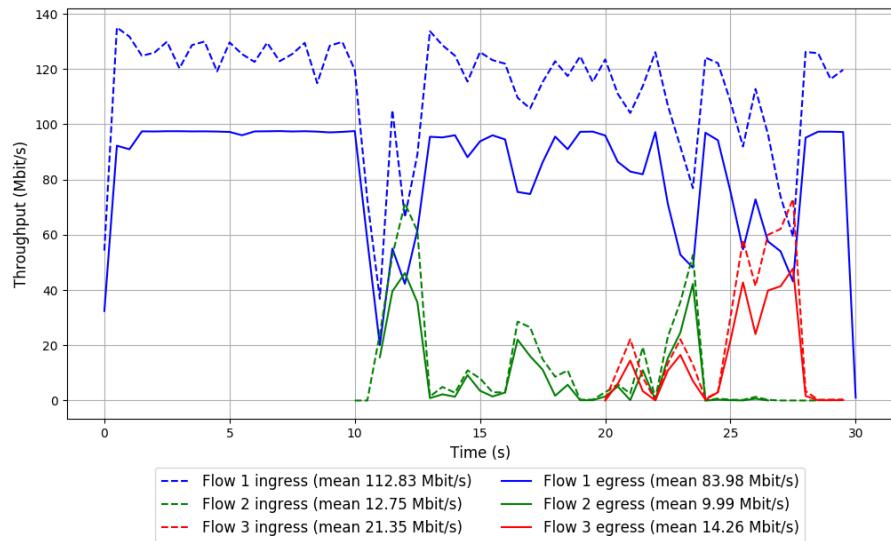


Run 3: Statistics of TCP BBR

```
Start at: 2018-01-02 11:41:39
End at: 2018-01-02 11:42:09
Local clock offset: 0.994 ms
Remote clock offset: 0.514 ms

# Below is generated by plot.py at 2018-01-02 14:40:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 67.781 ms
Loss rate: 26.52%
-- Flow 1:
Average throughput: 83.98 Mbit/s
95th percentile per-packet one-way delay: 67.570 ms
Loss rate: 25.56%
-- Flow 2:
Average throughput: 9.99 Mbit/s
95th percentile per-packet one-way delay: 68.569 ms
Loss rate: 33.89%
-- Flow 3:
Average throughput: 14.26 Mbit/s
95th percentile per-packet one-way delay: 69.220 ms
Loss rate: 33.61%
```

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

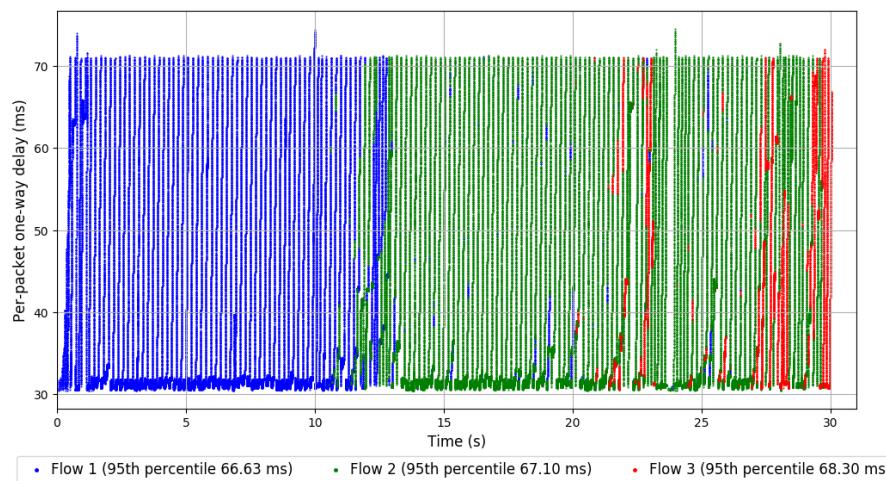
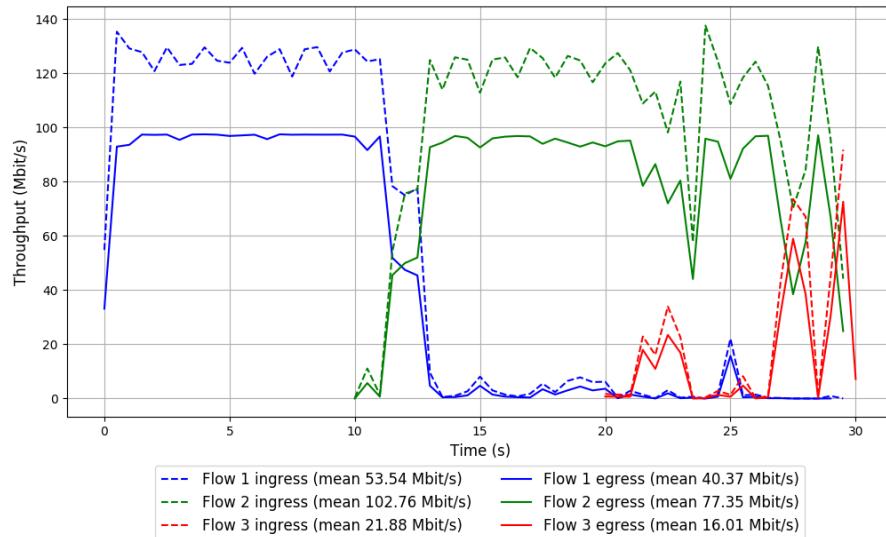


Run 4: Statistics of TCP BBR

```
Start at: 2018-01-02 12:02:30
End at: 2018-01-02 12:03:00
Local clock offset: 0.907 ms
Remote clock offset: 0.641 ms

# Below is generated by plot.py at 2018-01-02 14:40:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 67.056 ms
Loss rate: 25.28%
-- Flow 1:
Average throughput: 40.37 Mbit/s
95th percentile per-packet one-way delay: 66.629 ms
Loss rate: 25.46%
-- Flow 2:
Average throughput: 77.35 Mbit/s
95th percentile per-packet one-way delay: 67.103 ms
Loss rate: 24.96%
-- Flow 3:
Average throughput: 16.01 Mbit/s
95th percentile per-packet one-way delay: 68.298 ms
Loss rate: 26.85%
```

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

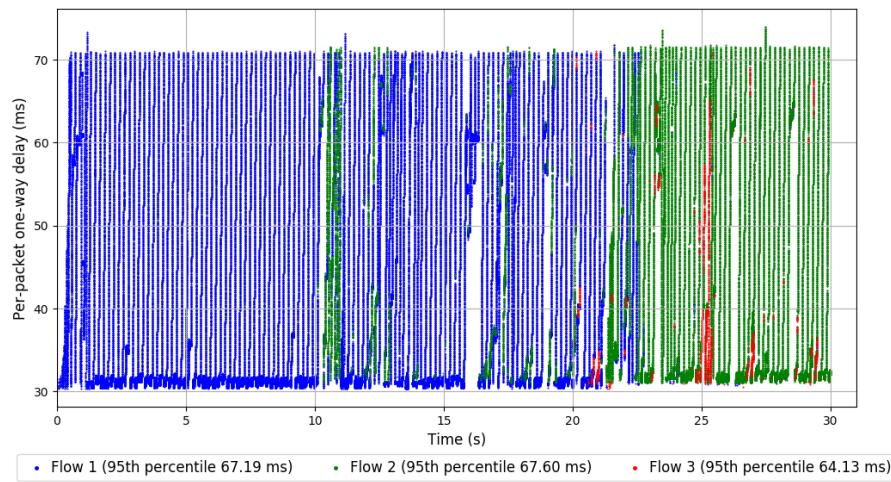
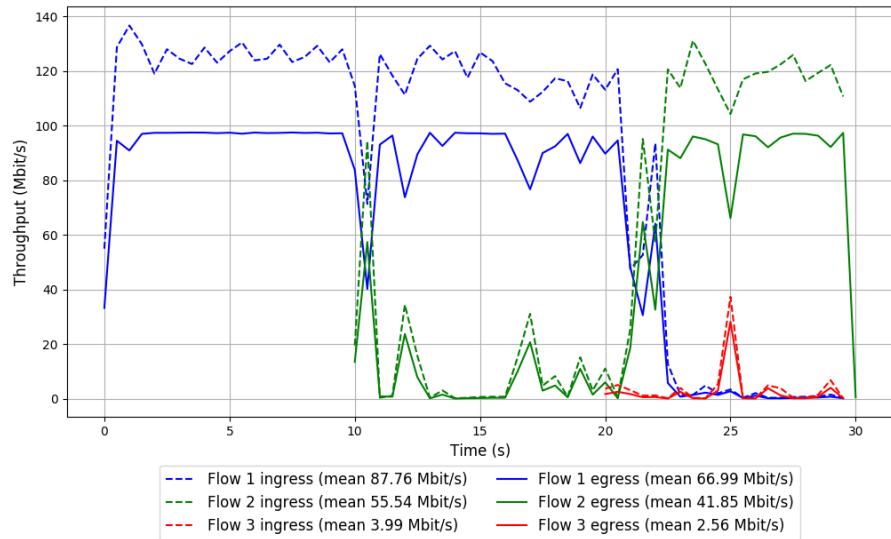


Run 5: Statistics of TCP BBR

```
Start at: 2018-01-02 12:23:32
End at: 2018-01-02 12:24:02
Local clock offset: 0.883 ms
Remote clock offset: 0.27 ms

# Below is generated by plot.py at 2018-01-02 14:40:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.38 Mbit/s
95th percentile per-packet one-way delay: 67.344 ms
Loss rate: 24.18%
-- Flow 1:
Average throughput: 66.99 Mbit/s
95th percentile per-packet one-way delay: 67.188 ms
Loss rate: 23.81%
-- Flow 2:
Average throughput: 41.85 Mbit/s
95th percentile per-packet one-way delay: 67.598 ms
Loss rate: 24.65%
-- Flow 3:
Average throughput: 2.56 Mbit/s
95th percentile per-packet one-way delay: 64.130 ms
Loss rate: 35.80%
```

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

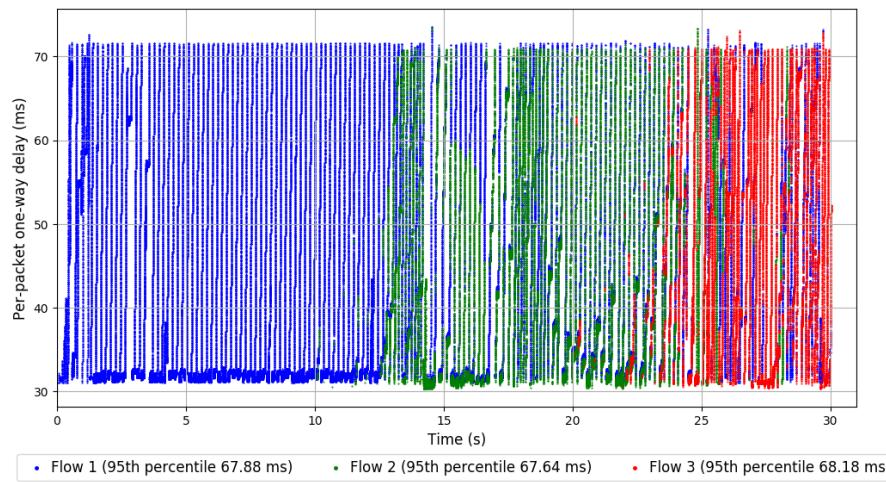
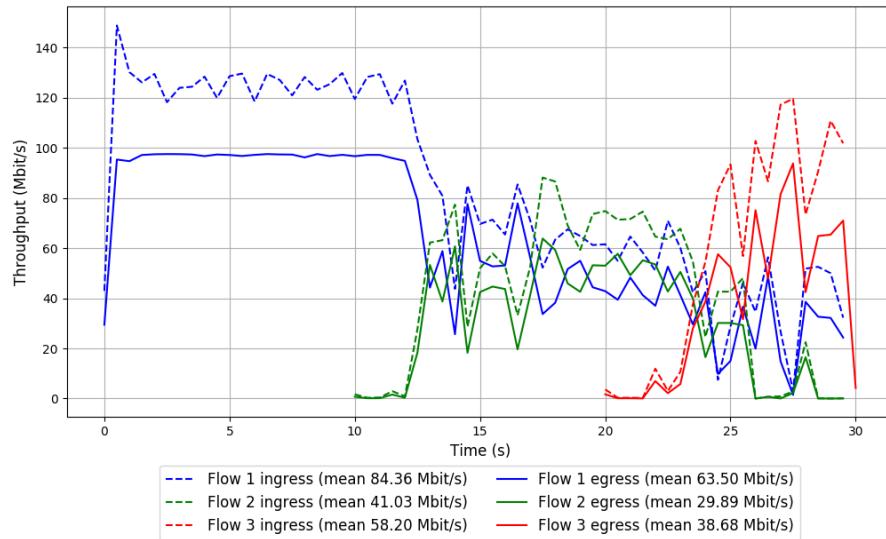


Run 6: Statistics of TCP BBR

```
Start at: 2018-01-02 12:44:18
End at: 2018-01-02 12:44:48
Local clock offset: 0.776 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2018-01-02 14:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 67.917 ms
Loss rate: 26.54%
-- Flow 1:
Average throughput: 63.50 Mbit/s
95th percentile per-packet one-way delay: 67.884 ms
Loss rate: 24.71%
-- Flow 2:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 67.639 ms
Loss rate: 27.34%
-- Flow 3:
Average throughput: 38.68 Mbit/s
95th percentile per-packet one-way delay: 68.183 ms
Loss rate: 33.42%
```

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

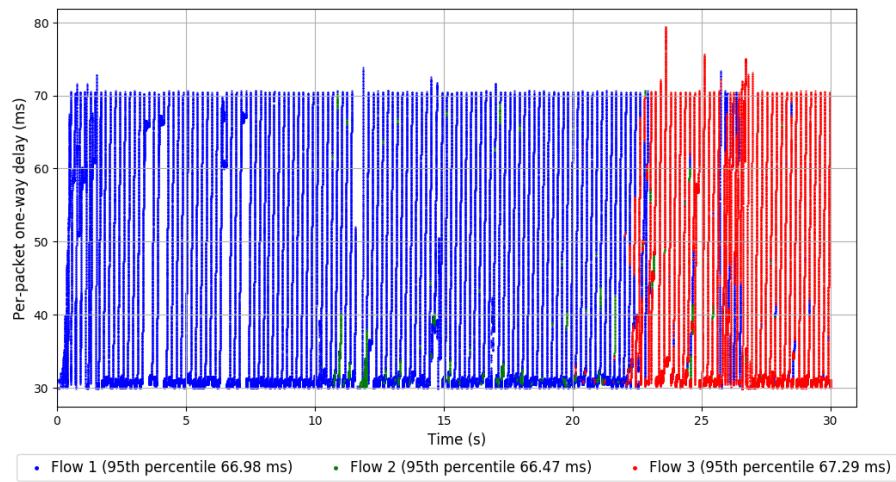
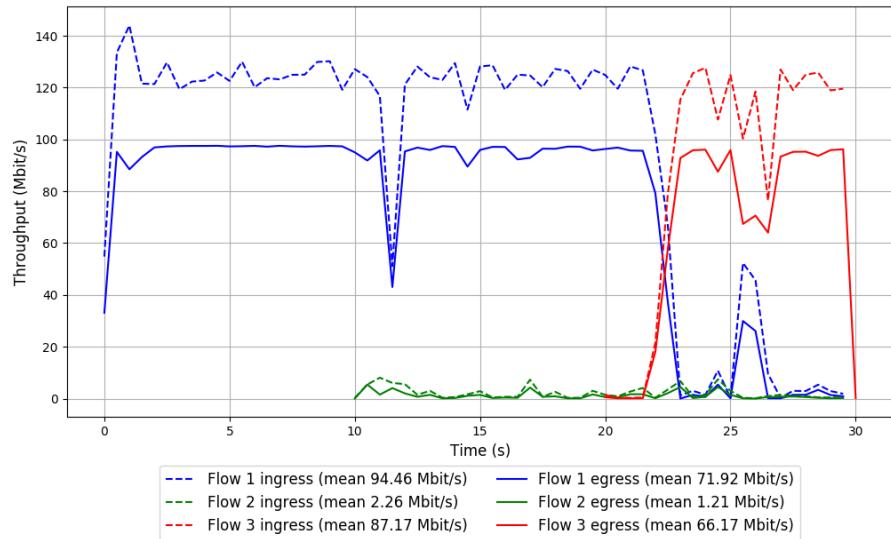


Run 7: Statistics of TCP BBR

```
Start at: 2018-01-02 13:04:51
End at: 2018-01-02 13:05:21
Local clock offset: 0.864 ms
Remote clock offset: -0.986 ms

# Below is generated by plot.py at 2018-01-02 14:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.46 Mbit/s
95th percentile per-packet one-way delay: 67.000 ms
Loss rate: 24.29%
-- Flow 1:
Average throughput: 71.92 Mbit/s
95th percentile per-packet one-way delay: 66.976 ms
Loss rate: 24.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 66.474 ms
Loss rate: 46.39%
-- Flow 3:
Average throughput: 66.17 Mbit/s
95th percentile per-packet one-way delay: 67.288 ms
Loss rate: 24.10%
```

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

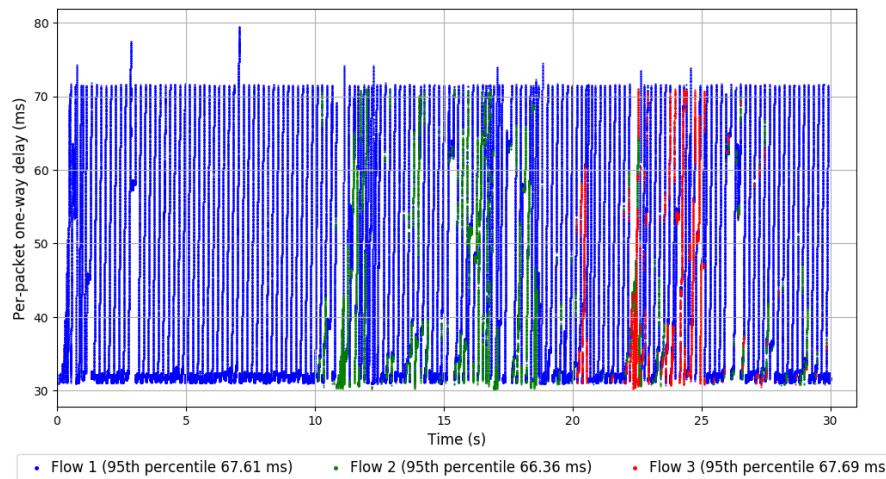
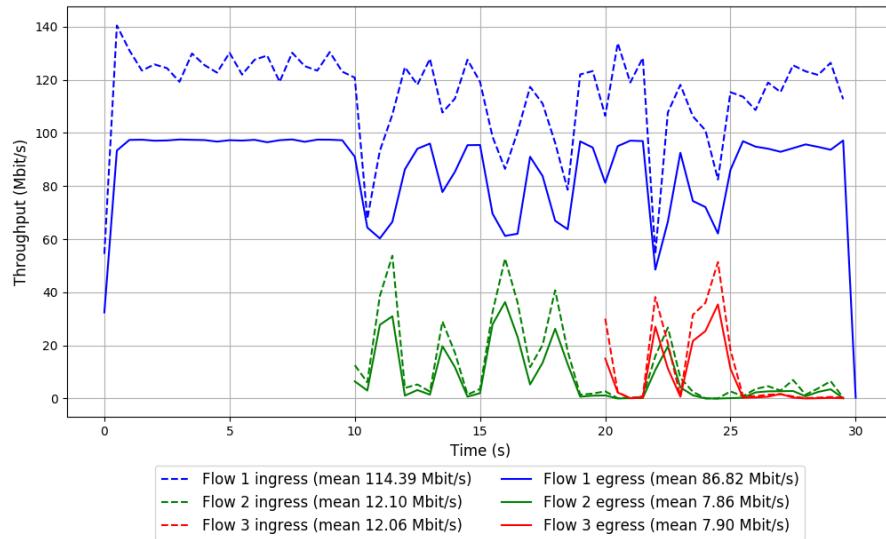


Run 8: Statistics of TCP BBR

```
Start at: 2018-01-02 13:25:33
End at: 2018-01-02 13:26:03
Local clock offset: 0.933 ms
Remote clock offset: -0.456 ms

# Below is generated by plot.py at 2018-01-02 14:40:23
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 67.593 ms
Loss rate: 25.15%
-- Flow 1:
Average throughput: 86.82 Mbit/s
95th percentile per-packet one-way delay: 67.613 ms
Loss rate: 24.09%
-- Flow 2:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 66.359 ms
Loss rate: 35.33%
-- Flow 3:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 67.686 ms
Loss rate: 34.91%
```

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

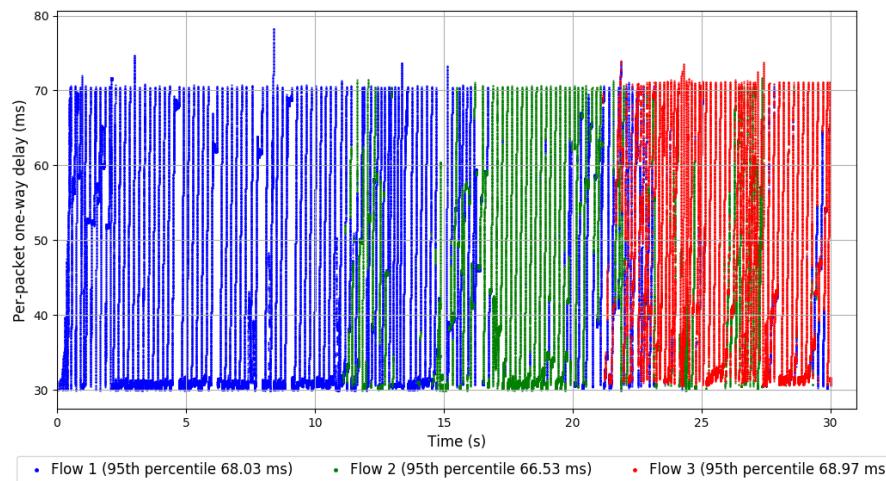
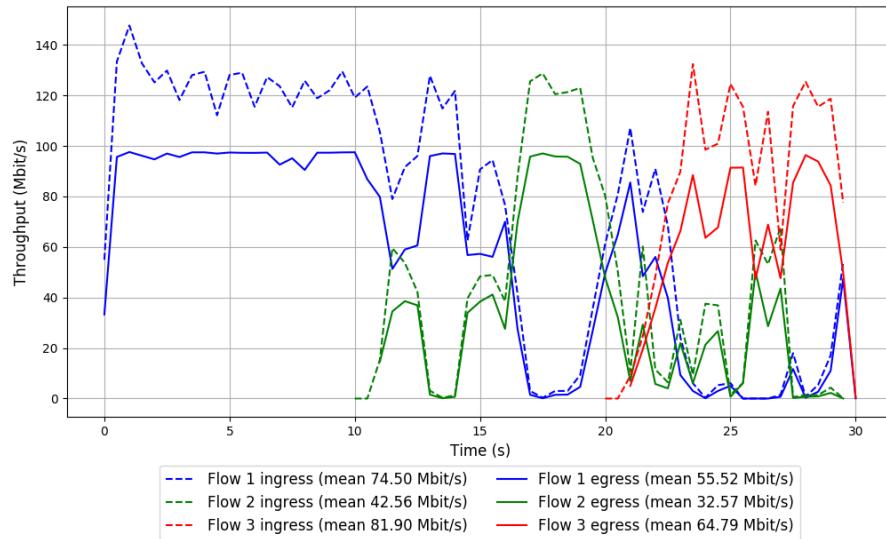


Run 9: Statistics of TCP BBR

```
Start at: 2018-01-02 13:46:14
End at: 2018-01-02 13:46:44
Local clock offset: 0.597 ms
Remote clock offset: -0.623 ms

# Below is generated by plot.py at 2018-01-02 14:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.18 Mbit/s
95th percentile per-packet one-way delay: 68.001 ms
Loss rate: 26.68%
-- Flow 1:
Average throughput: 55.52 Mbit/s
95th percentile per-packet one-way delay: 68.025 ms
Loss rate: 25.48%
-- Flow 2:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 66.527 ms
Loss rate: 27.60%
-- Flow 3:
Average throughput: 64.79 Mbit/s
95th percentile per-packet one-way delay: 68.971 ms
Loss rate: 29.03%
```

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

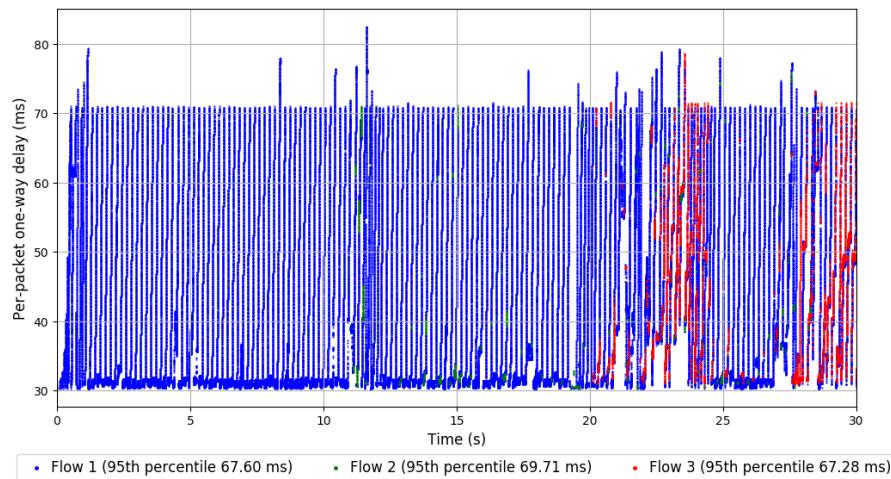
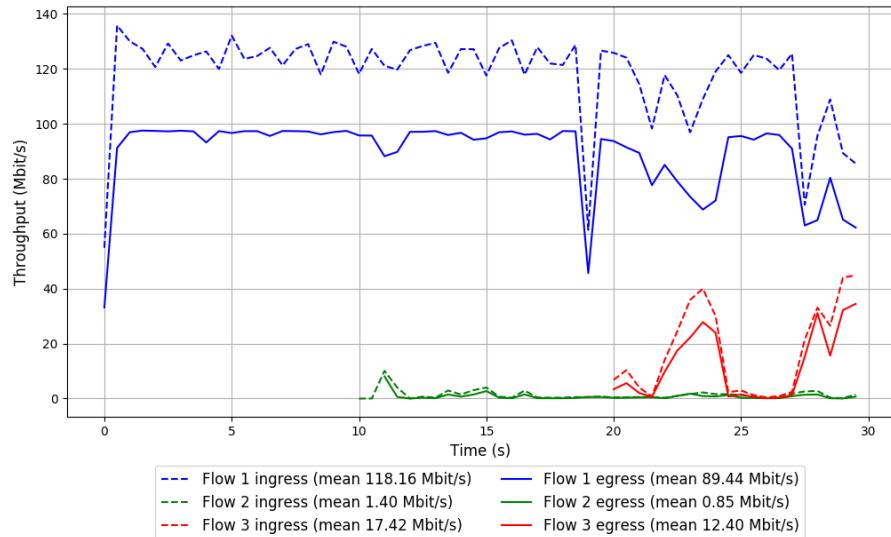


Run 10: Statistics of TCP BBR

```
Start at: 2018-01-02 14:07:20
End at: 2018-01-02 14:07:50
Local clock offset: 0.533 ms
Remote clock offset: -0.15 ms

# Below is generated by plot.py at 2018-01-02 14:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 67.599 ms
Loss rate: 24.66%
-- Flow 1:
Average throughput: 89.44 Mbit/s
95th percentile per-packet one-way delay: 67.596 ms
Loss rate: 24.30%
-- Flow 2:
Average throughput: 0.85 Mbit/s
95th percentile per-packet one-way delay: 69.712 ms
Loss rate: 42.78%
-- Flow 3:
Average throughput: 12.40 Mbit/s
95th percentile per-packet one-way delay: 67.285 ms
Loss rate: 29.03%
```

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

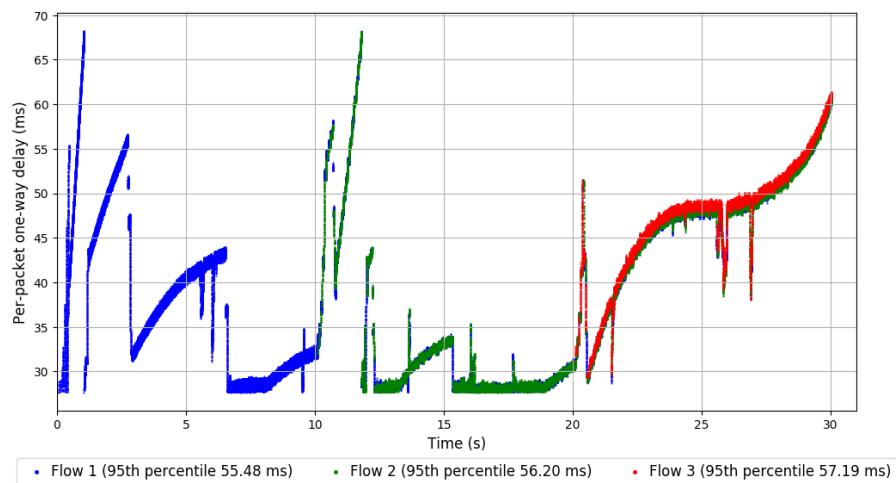
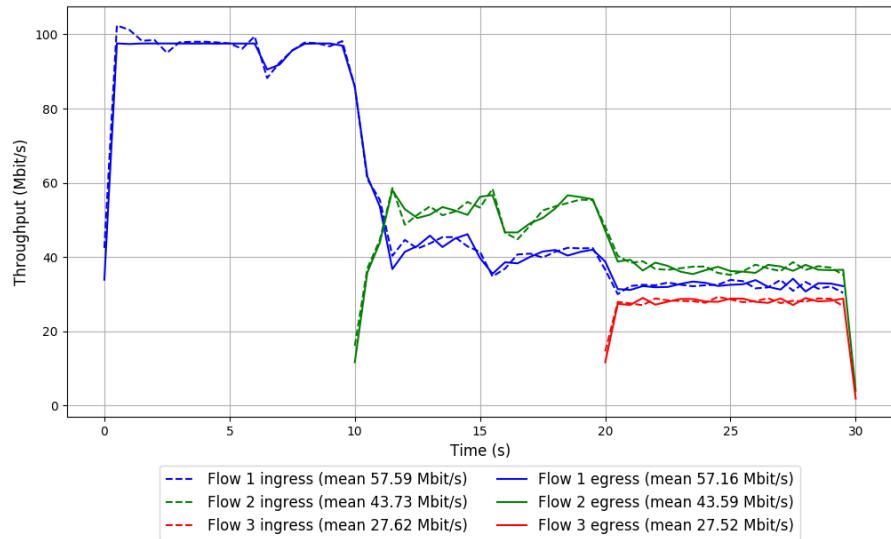


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-01-02 10:48:52
End at: 2018-01-02 10:49:22
Local clock offset: 0.751 ms
Remote clock offset: -1.276 ms

# Below is generated by plot.py at 2018-01-02 14:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.29 Mbit/s
95th percentile per-packet one-way delay: 55.919 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 57.16 Mbit/s
95th percentile per-packet one-way delay: 55.481 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 43.59 Mbit/s
95th percentile per-packet one-way delay: 56.199 ms
Loss rate: 0.16%
-- Flow 3:
Average throughput: 27.52 Mbit/s
95th percentile per-packet one-way delay: 57.188 ms
Loss rate: 0.08%
```

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

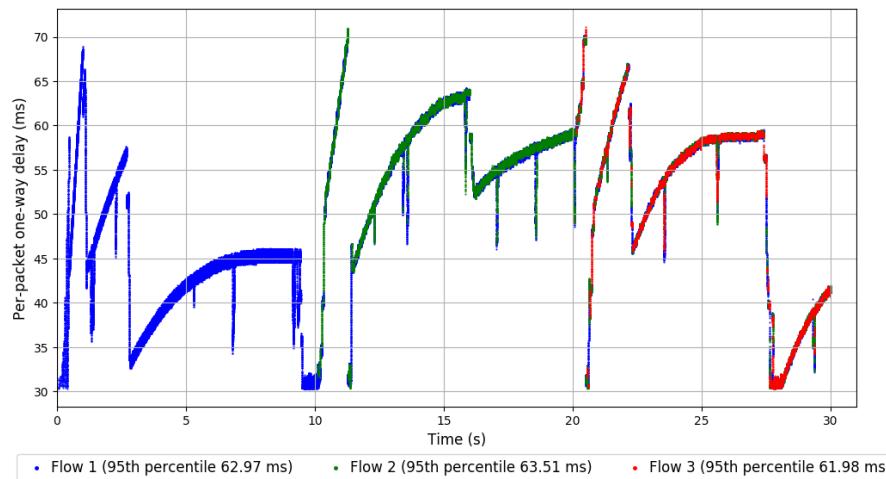
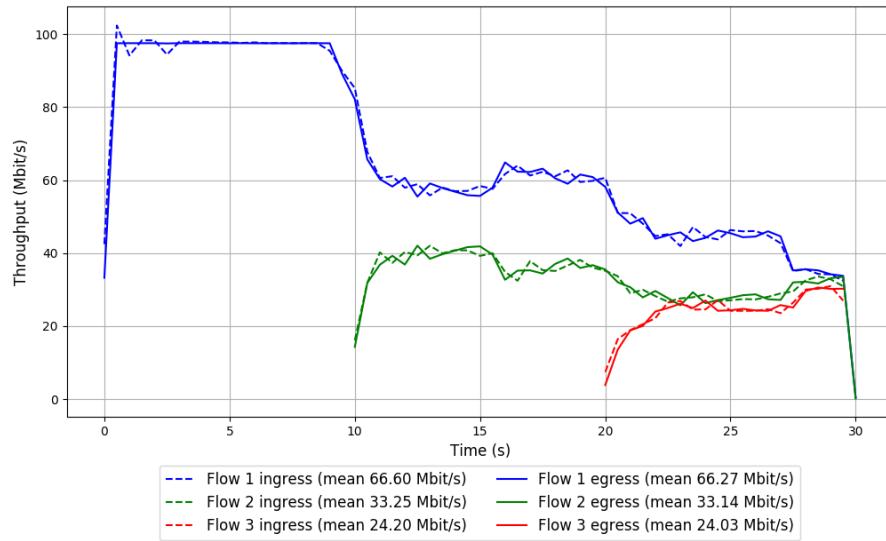


Run 2: Statistics of TCP Cubic

```
Start at: 2018-01-02 11:09:49
End at: 2018-01-02 11:10:19
Local clock offset: 0.839 ms
Remote clock offset: 0.549 ms

# Below is generated by plot.py at 2018-01-02 14:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.28 Mbit/s
95th percentile per-packet one-way delay: 63.033 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 66.27 Mbit/s
95th percentile per-packet one-way delay: 62.971 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 33.14 Mbit/s
95th percentile per-packet one-way delay: 63.512 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 24.03 Mbit/s
95th percentile per-packet one-way delay: 61.984 ms
Loss rate: 0.80%
```

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

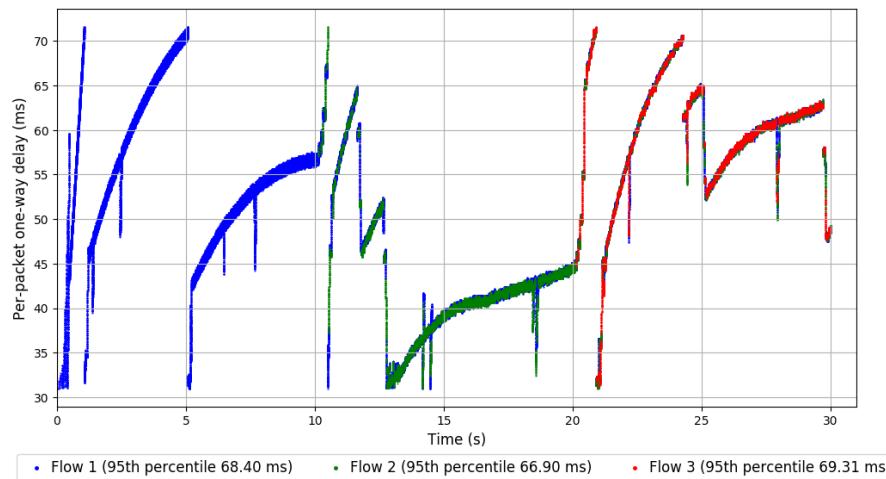
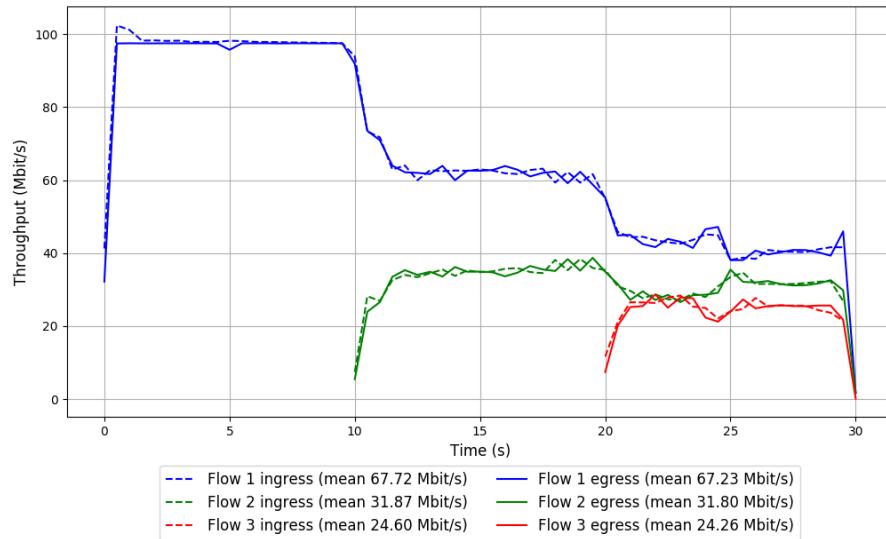


Run 3: Statistics of TCP Cubic

```
Start at: 2018-01-02 11:30:37
End at: 2018-01-02 11:31:07
Local clock offset: 0.967 ms
Remote clock offset: 0.488 ms

# Below is generated by plot.py at 2018-01-02 14:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 68.353 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 67.23 Mbit/s
95th percentile per-packet one-way delay: 68.403 ms
Loss rate: 0.67%
-- Flow 2:
Average throughput: 31.80 Mbit/s
95th percentile per-packet one-way delay: 66.896 ms
Loss rate: 0.24%
-- Flow 3:
Average throughput: 24.26 Mbit/s
95th percentile per-packet one-way delay: 69.306 ms
Loss rate: 1.33%
```

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

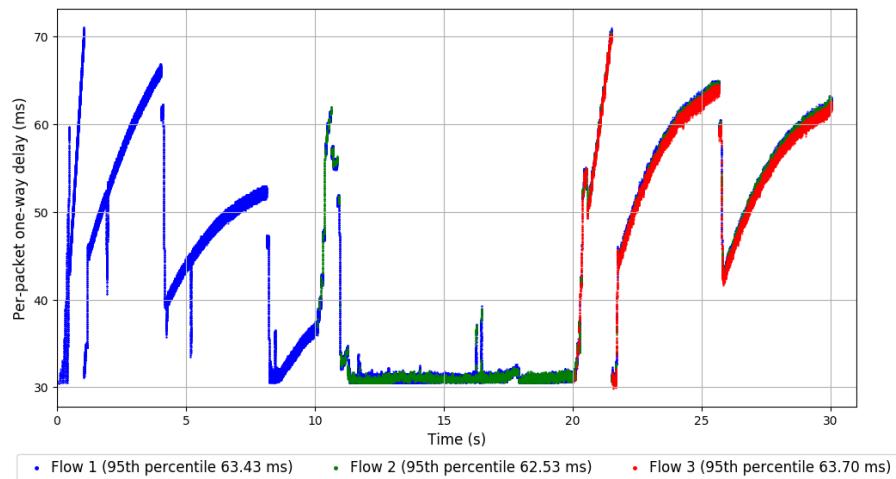
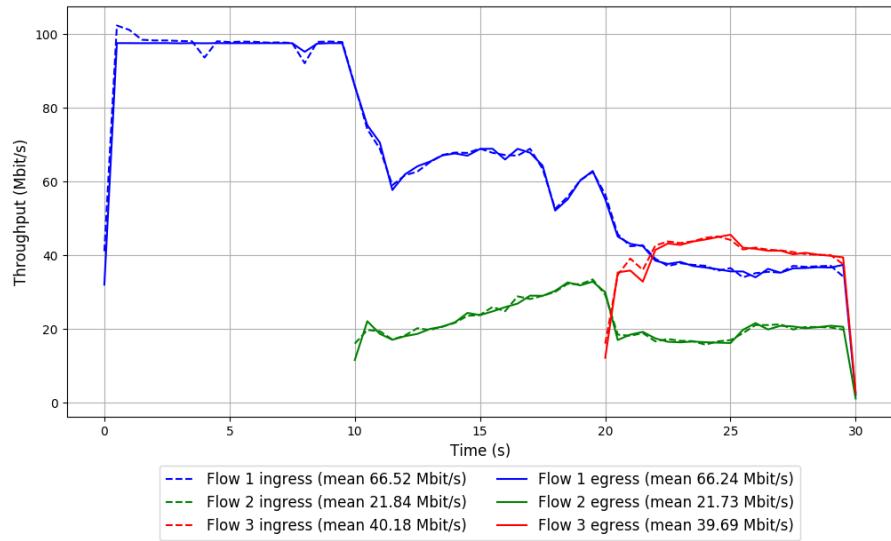


Run 4: Statistics of TCP Cubic

```
Start at: 2018-01-02 11:51:43
End at: 2018-01-02 11:52:13
Local clock offset: 0.891 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2018-01-02 14:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.92 Mbit/s
95th percentile per-packet one-way delay: 63.427 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 66.24 Mbit/s
95th percentile per-packet one-way delay: 63.433 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 21.73 Mbit/s
95th percentile per-packet one-way delay: 62.533 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 39.69 Mbit/s
95th percentile per-packet one-way delay: 63.695 ms
Loss rate: 0.89%
```

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

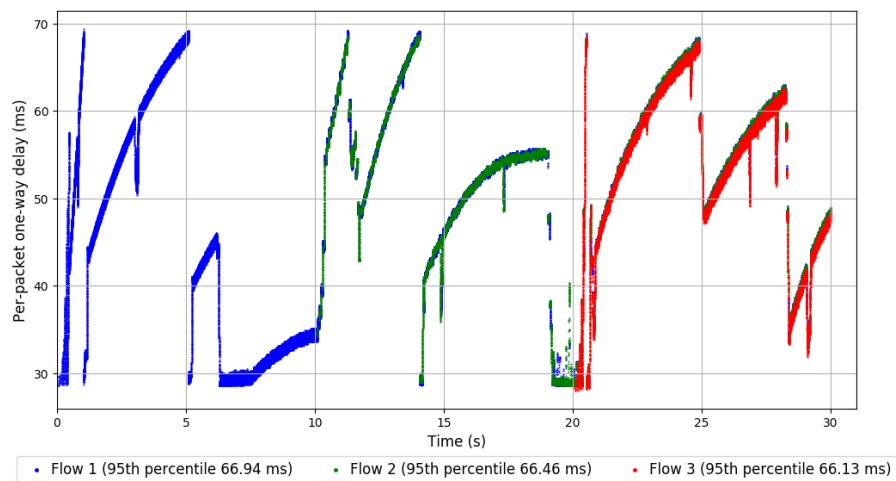
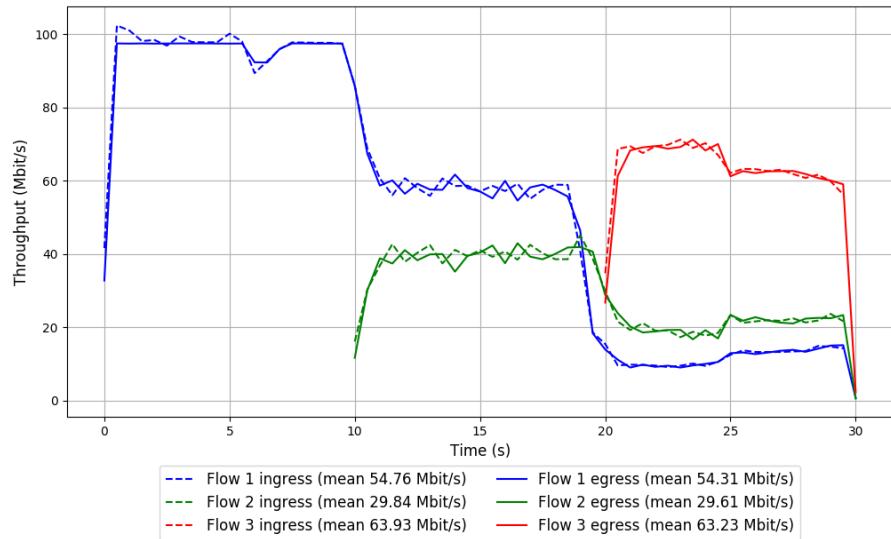


Run 5: Statistics of TCP Cubic

```
Start at: 2018-01-02 12:12:33
End at: 2018-01-02 12:13:03
Local clock offset: 0.885 ms
Remote clock offset: -2.124 ms

# Below is generated by plot.py at 2018-01-02 14:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 66.554 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 54.31 Mbit/s
95th percentile per-packet one-way delay: 66.939 ms
Loss rate: 0.74%
-- Flow 2:
Average throughput: 29.61 Mbit/s
95th percentile per-packet one-way delay: 66.459 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 63.23 Mbit/s
95th percentile per-packet one-way delay: 66.133 ms
Loss rate: 0.90%
```

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

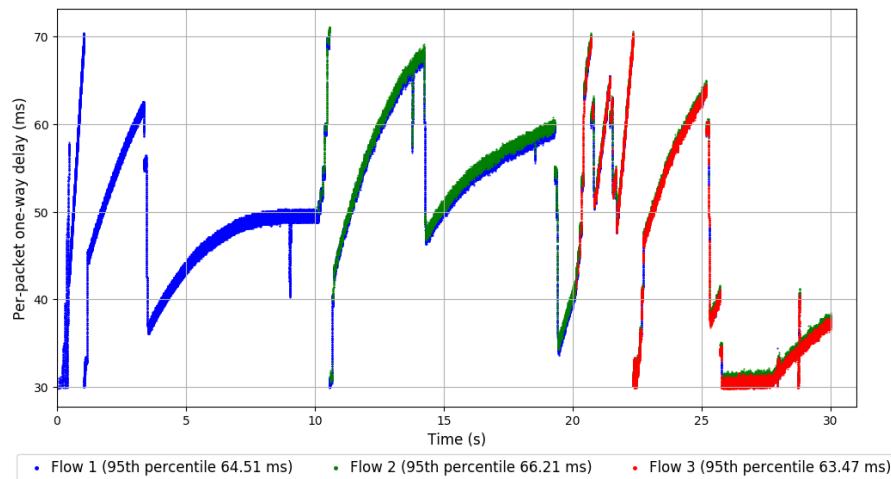
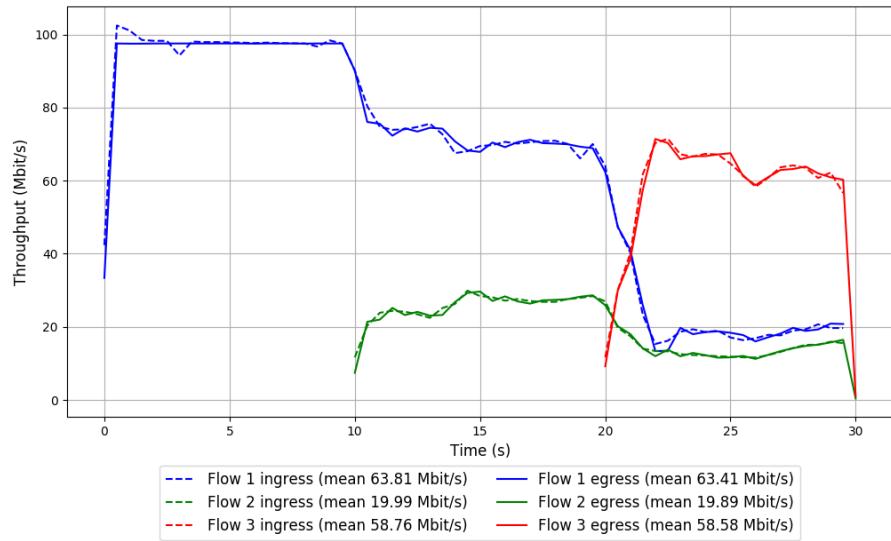


Run 6: Statistics of TCP Cubic

```
Start at: 2018-01-02 12:33:22
End at: 2018-01-02 12:33:52
Local clock offset: 0.764 ms
Remote clock offset: -0.35 ms

# Below is generated by plot.py at 2018-01-02 14:41:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 64.516 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 63.41 Mbit/s
95th percentile per-packet one-way delay: 64.509 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 19.89 Mbit/s
95th percentile per-packet one-way delay: 66.213 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 58.58 Mbit/s
95th percentile per-packet one-way delay: 63.471 ms
Loss rate: 0.34%
```

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

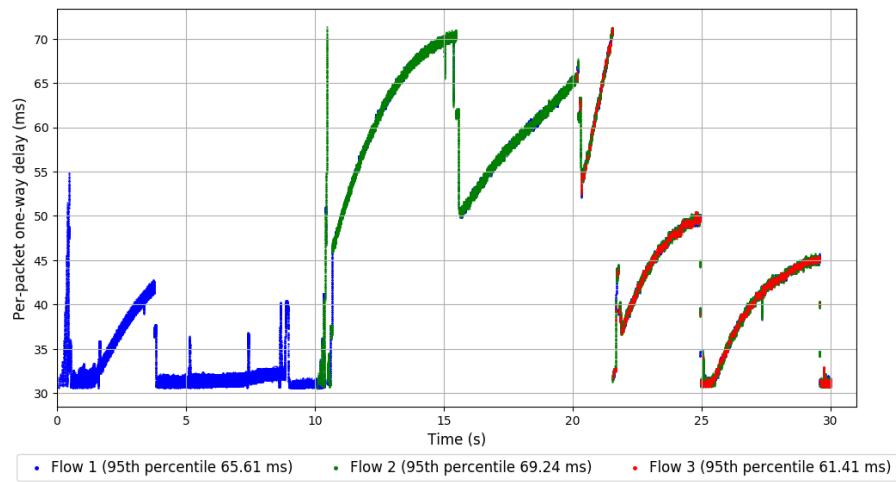
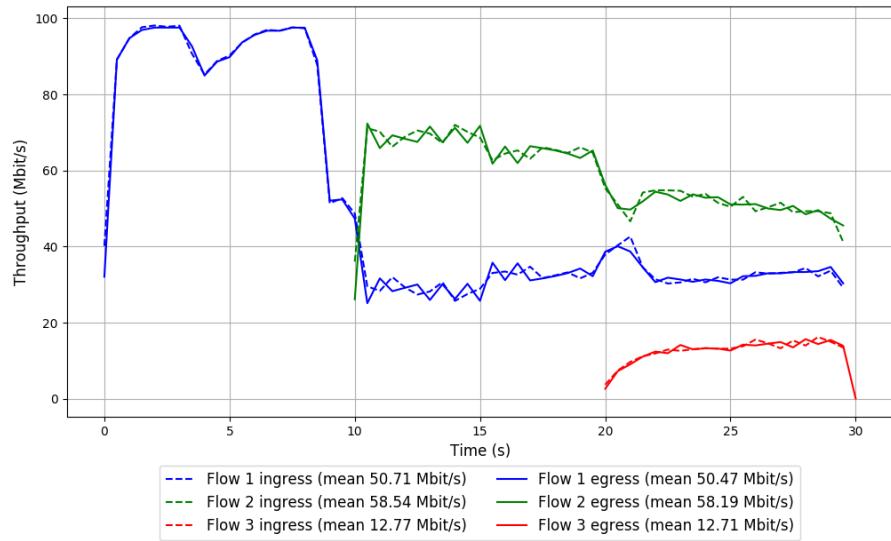


Run 7: Statistics of TCP Cubic

```
Start at: 2018-01-02 12:54:03
End at: 2018-01-02 12:54:33
Local clock offset: 0.81 ms
Remote clock offset: -0.713 ms

# Below is generated by plot.py at 2018-01-02 14:43:11
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 68.333 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 50.47 Mbit/s
95th percentile per-packet one-way delay: 65.610 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 58.19 Mbit/s
95th percentile per-packet one-way delay: 69.242 ms
Loss rate: 0.60%
-- Flow 3:
Average throughput: 12.71 Mbit/s
95th percentile per-packet one-way delay: 61.411 ms
Loss rate: 0.78%
```

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

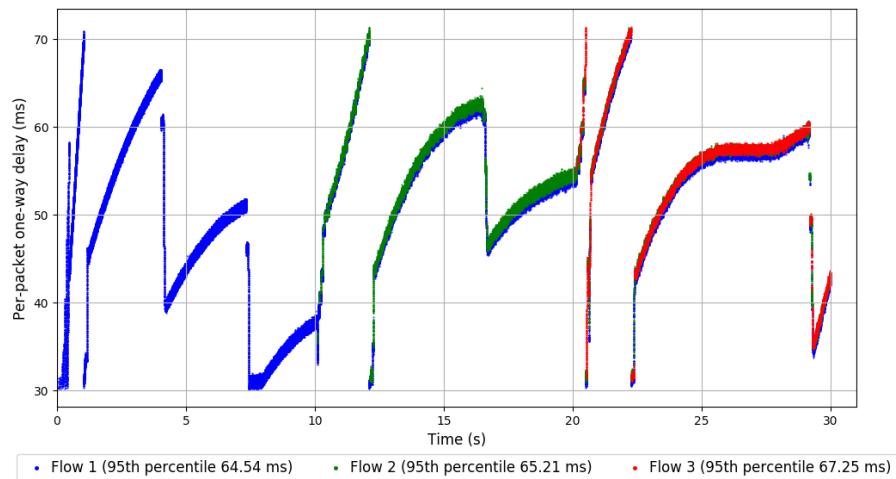
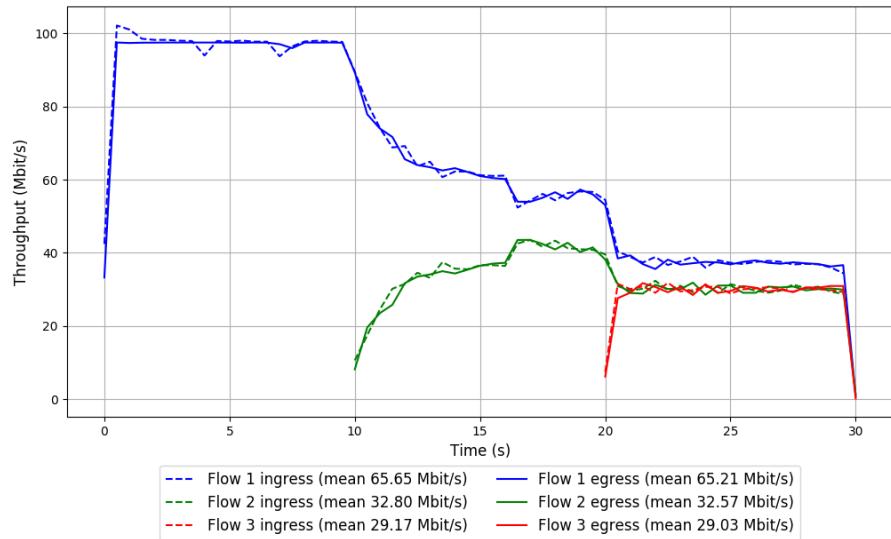


Run 8: Statistics of TCP Cubic

```
Start at: 2018-01-02 13:14:44
End at: 2018-01-02 13:15:14
Local clock offset: 0.958 ms
Remote clock offset: -0.661 ms

# Below is generated by plot.py at 2018-01-02 14:43:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.51 Mbit/s
95th percentile per-packet one-way delay: 64.809 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 65.21 Mbit/s
95th percentile per-packet one-way delay: 64.543 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 65.211 ms
Loss rate: 0.66%
-- Flow 3:
Average throughput: 29.03 Mbit/s
95th percentile per-packet one-way delay: 67.250 ms
Loss rate: 0.62%
```

Run 8: Report of TCP Cubic — Data Link

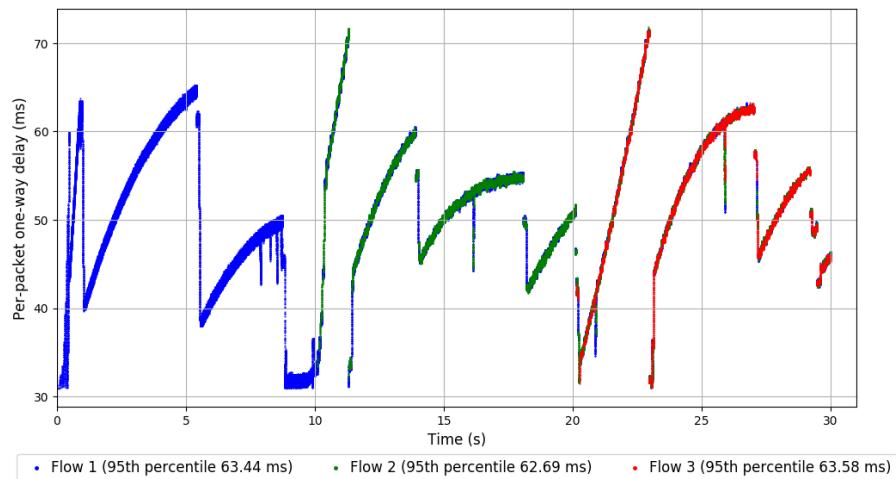
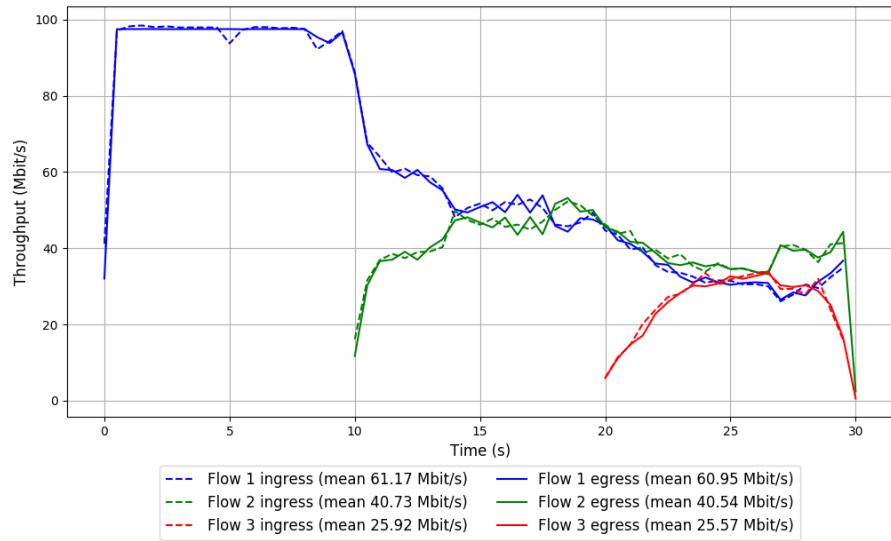


Run 9: Statistics of TCP Cubic

```
Start at: 2018-01-02 13:35:22
End at: 2018-01-02 13:35:52
Local clock offset: 0.893 ms
Remote clock offset: -0.337 ms

# Below is generated by plot.py at 2018-01-02 14:43:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 63.236 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 60.95 Mbit/s
95th percentile per-packet one-way delay: 63.438 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 40.54 Mbit/s
95th percentile per-packet one-way delay: 62.692 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 25.57 Mbit/s
95th percentile per-packet one-way delay: 63.582 ms
Loss rate: 1.39%
```

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

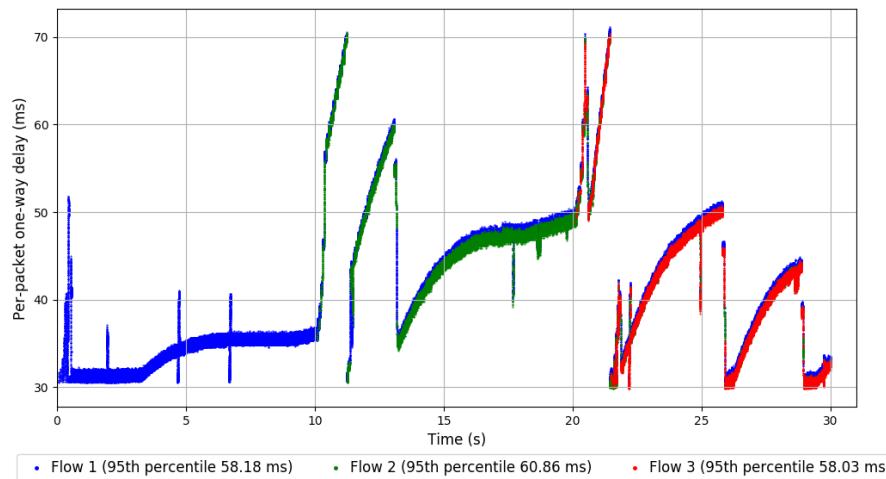
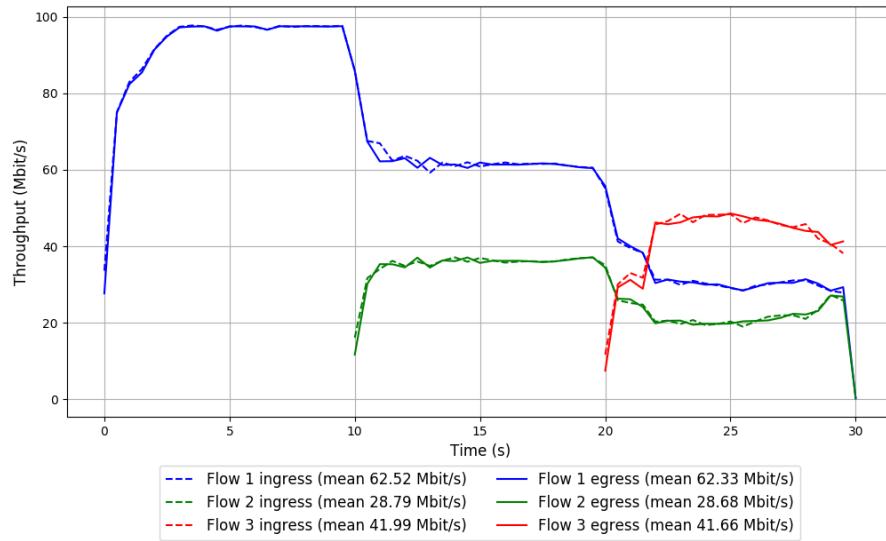


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-01-02 13:56:19
End at: 2018-01-02 13:56:49
Local clock offset: 0.478 ms
Remote clock offset: -0.575 ms

# Below is generated by plot.py at 2018-01-02 14:43:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.25 Mbit/s
95th percentile per-packet one-way delay: 59.036 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 62.33 Mbit/s
95th percentile per-packet one-way delay: 58.176 ms
Loss rate: 0.29%
-- Flow 2:
Average throughput: 28.68 Mbit/s
95th percentile per-packet one-way delay: 60.862 ms
Loss rate: 0.40%
-- Flow 3:
Average throughput: 41.66 Mbit/s
95th percentile per-packet one-way delay: 58.033 ms
Loss rate: 0.93%
```

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

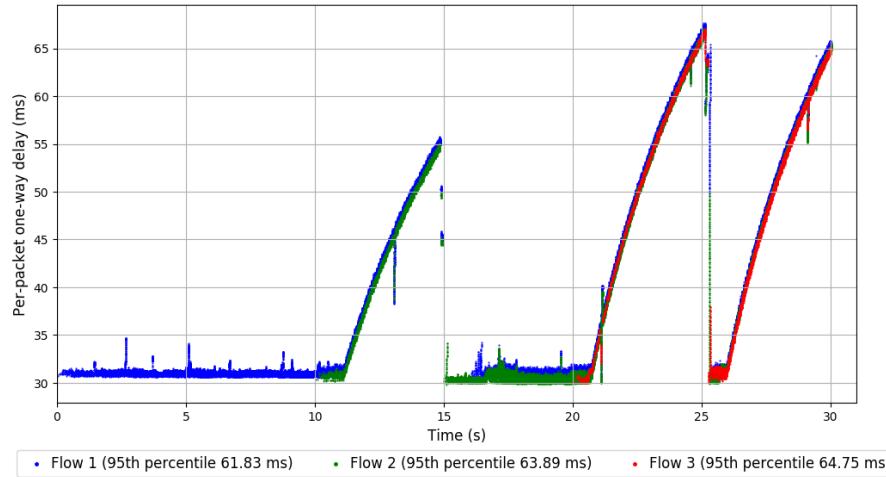
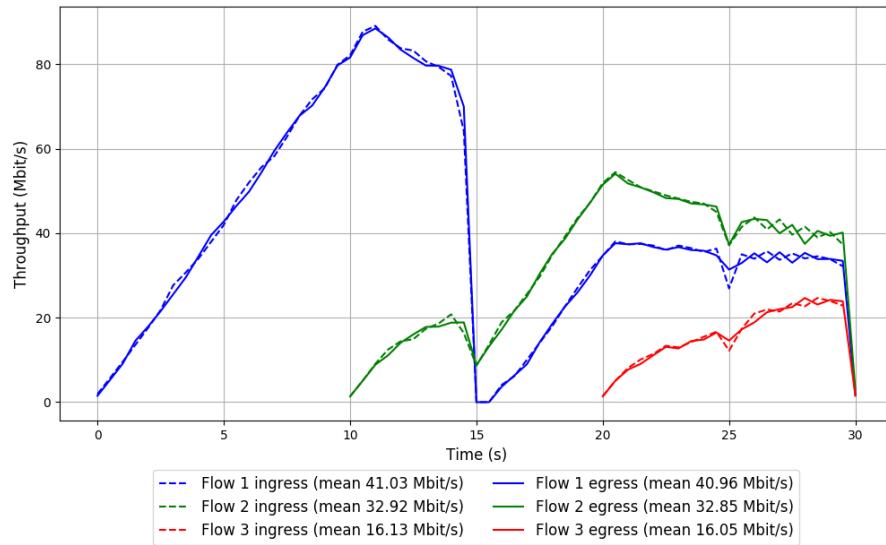


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-01-02 11:04:09
End at: 2018-01-02 11:04:39
Local clock offset: 0.805 ms
Remote clock offset: 0.266 ms

# Below is generated by plot.py at 2018-01-02 14:43:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.15 Mbit/s
95th percentile per-packet one-way delay: 63.346 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 40.96 Mbit/s
95th percentile per-packet one-way delay: 61.832 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 32.85 Mbit/s
95th percentile per-packet one-way delay: 63.891 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 16.05 Mbit/s
95th percentile per-packet one-way delay: 64.753 ms
Loss rate: 0.15%
```

## Run 1: Report of LEDBAT — Data Link

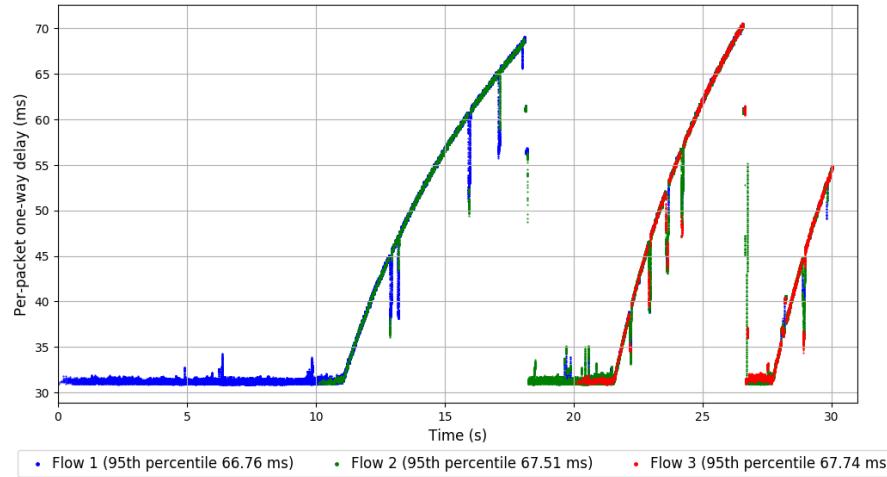
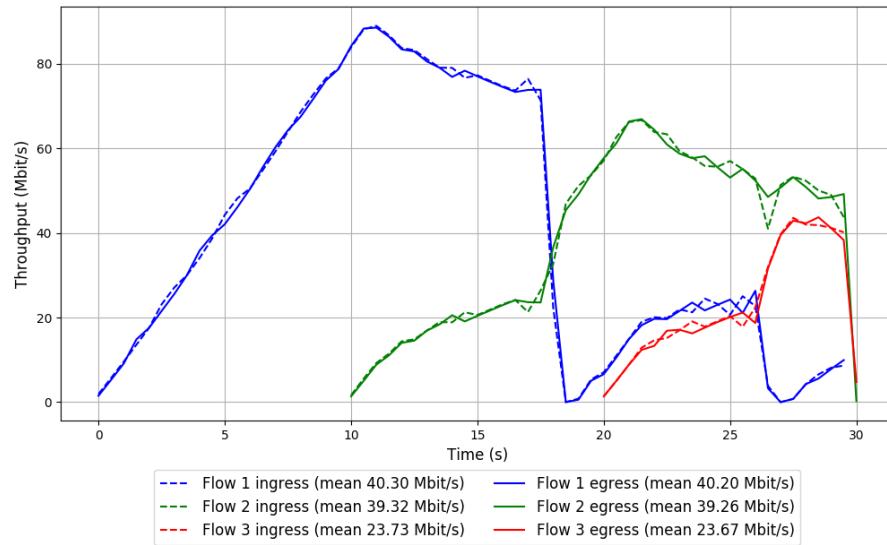


Run 2: Statistics of LEDBAT

```
Start at: 2018-01-02 11:24:51
End at: 2018-01-02 11:25:21
Local clock offset: 0.985 ms
Remote clock offset: 0.442 ms

# Below is generated by plot.py at 2018-01-02 14:43:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.17 Mbit/s
95th percentile per-packet one-way delay: 67.043 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 40.20 Mbit/s
95th percentile per-packet one-way delay: 66.758 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 39.26 Mbit/s
95th percentile per-packet one-way delay: 67.509 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 23.67 Mbit/s
95th percentile per-packet one-way delay: 67.743 ms
Loss rate: 0.00%
```

## Run 2: Report of LEDBAT — Data Link

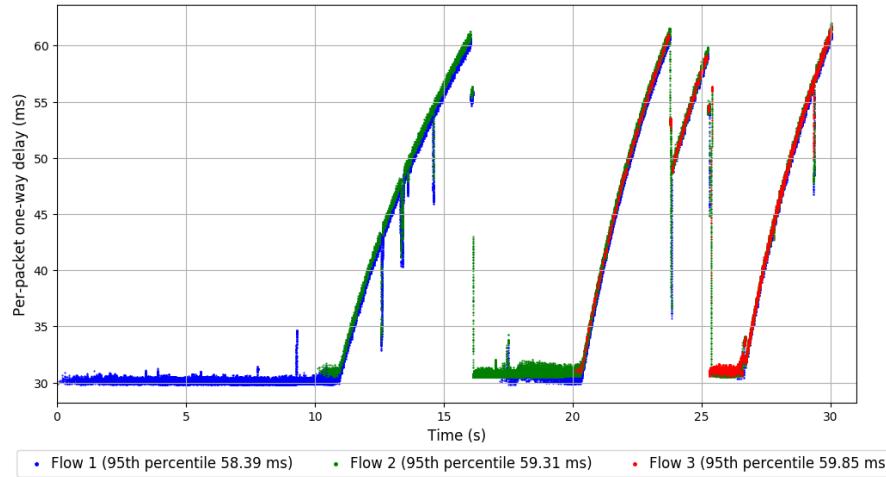
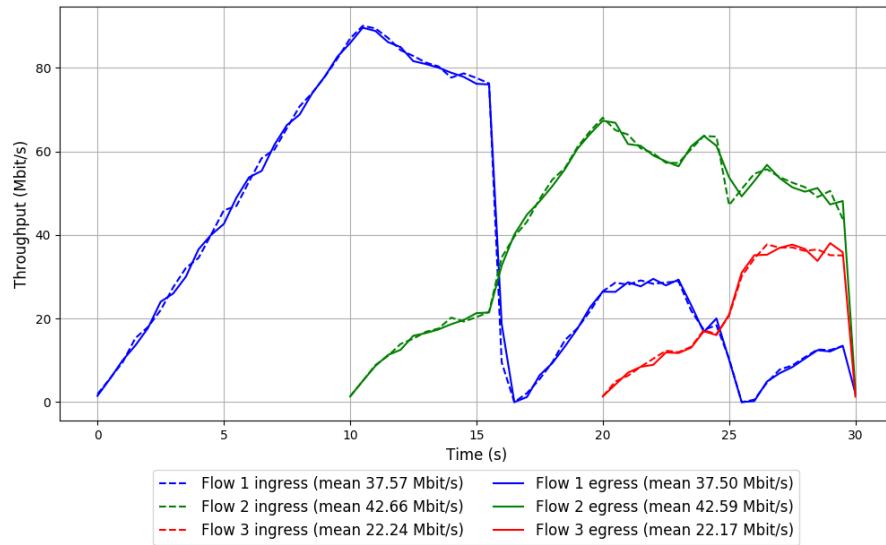


Run 3: Statistics of LEDBAT

```
Start at: 2018-01-02 11:45:57
End at: 2018-01-02 11:46:27
Local clock offset: 0.99 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-01-02 14:43:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.24 Mbit/s
95th percentile per-packet one-way delay: 59.028 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 58.394 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 42.59 Mbit/s
95th percentile per-packet one-way delay: 59.311 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 22.17 Mbit/s
95th percentile per-packet one-way delay: 59.847 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

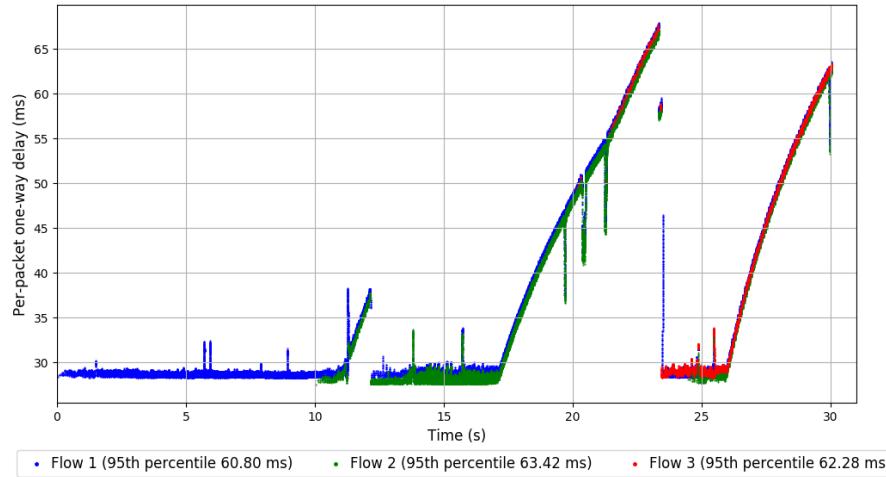
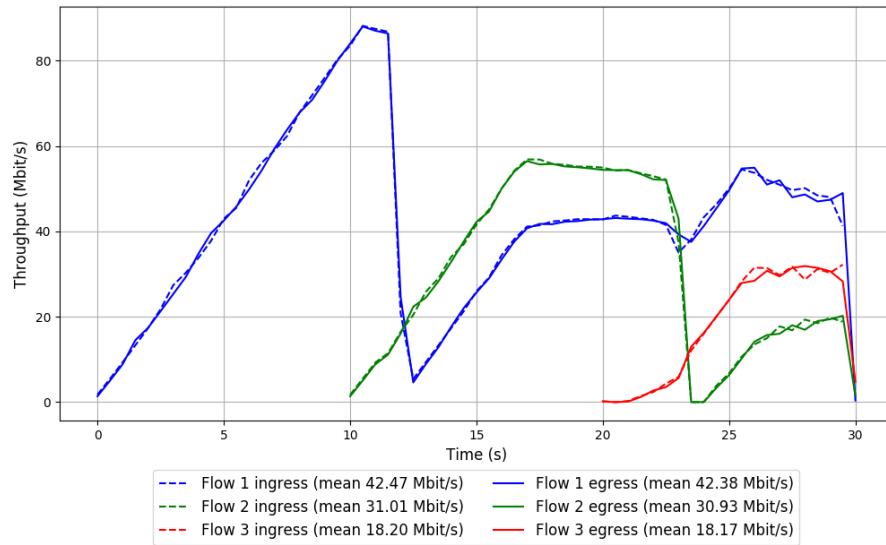


Run 4: Statistics of LEDBAT

```
Start at: 2018-01-02 12:06:50
End at: 2018-01-02 12:07:20
Local clock offset: 1.034 ms
Remote clock offset: -2.175 ms

# Below is generated by plot.py at 2018-01-02 14:43:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.01 Mbit/s
95th percentile per-packet one-way delay: 61.806 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 42.38 Mbit/s
95th percentile per-packet one-way delay: 60.795 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 30.93 Mbit/s
95th percentile per-packet one-way delay: 63.418 ms
Loss rate: 0.09%
-- Flow 3:
Average throughput: 18.17 Mbit/s
95th percentile per-packet one-way delay: 62.279 ms
Loss rate: 0.00%
```

## Run 4: Report of LEDBAT — Data Link

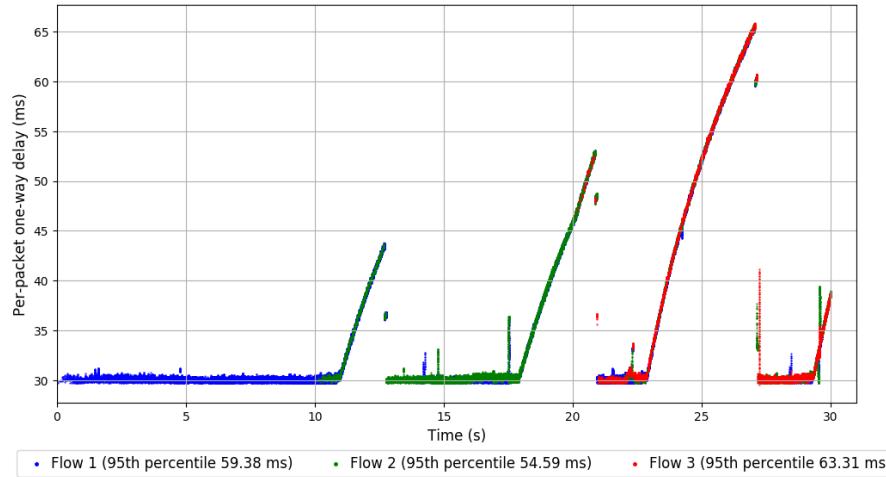
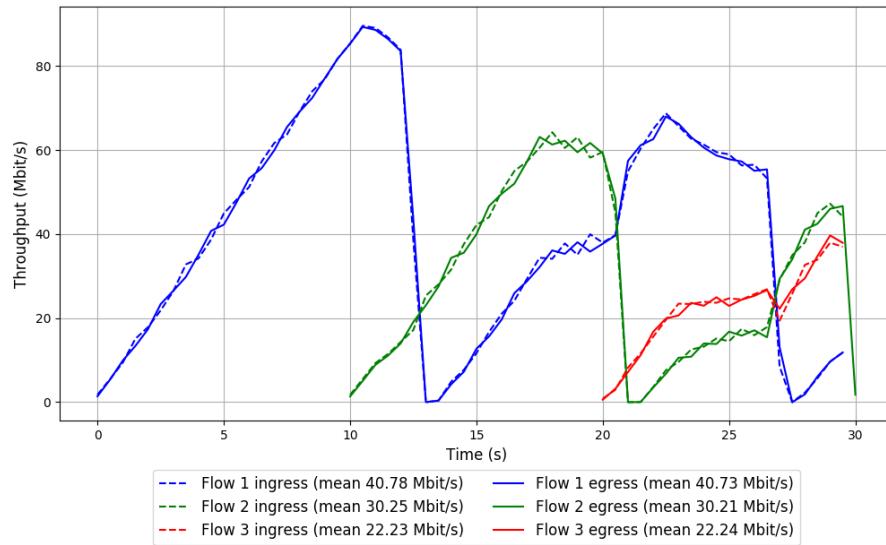


Run 5: Statistics of LEDBAT

```
Start at: 2018-01-02 12:27:48
End at: 2018-01-02 12:28:18
Local clock offset: 0.883 ms
Remote clock offset: -0.338 ms

# Below is generated by plot.py at 2018-01-02 14:43:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.15 Mbit/s
95th percentile per-packet one-way delay: 59.834 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 40.73 Mbit/s
95th percentile per-packet one-way delay: 59.377 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 30.21 Mbit/s
95th percentile per-packet one-way delay: 54.590 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 22.24 Mbit/s
95th percentile per-packet one-way delay: 63.310 ms
Loss rate: 0.07%
```

Run 5: Report of LEDBAT — Data Link

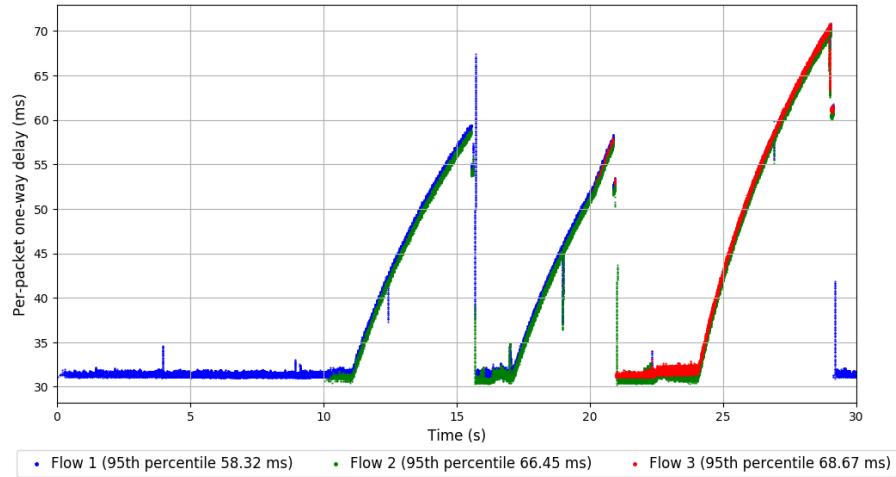
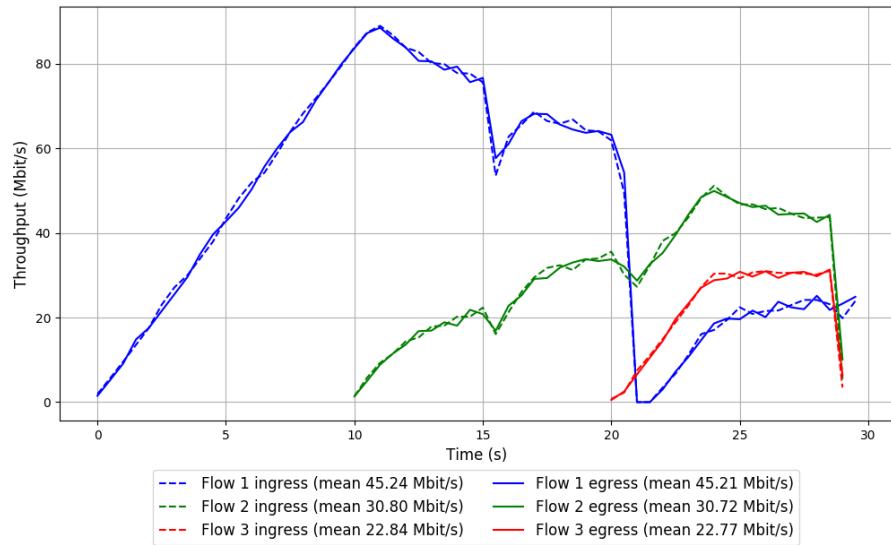


Run 6: Statistics of LEDBAT

```
Start at: 2018-01-02 12:48:29
End at: 2018-01-02 12:48:59
Local clock offset: 0.876 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-01-02 14:44:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 71.67 Mbit/s
95th percentile per-packet one-way delay: 64.510 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 45.21 Mbit/s
95th percentile per-packet one-way delay: 58.323 ms
Loss rate: 0.06%
-- Flow 2:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 66.450 ms
Loss rate: 0.11%
-- Flow 3:
Average throughput: 22.77 Mbit/s
95th percentile per-packet one-way delay: 68.673 ms
Loss rate: 0.22%
```

Run 6: Report of LEDBAT — Data Link

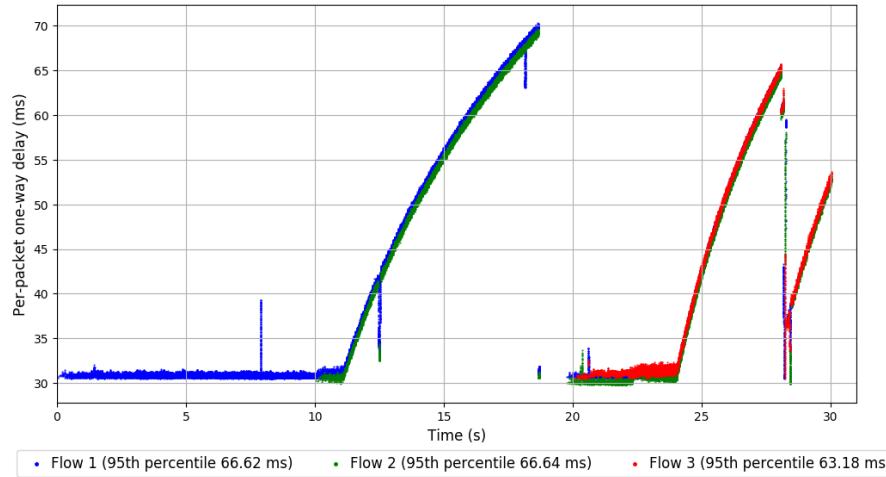
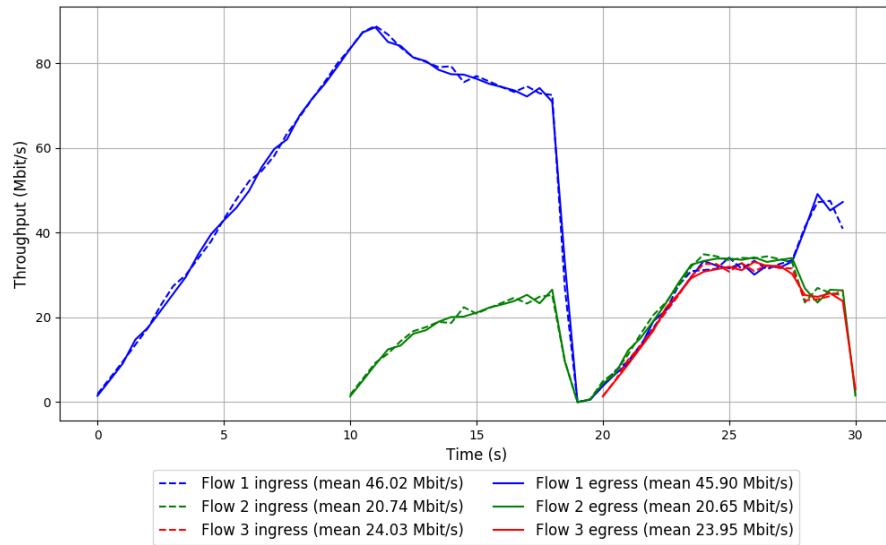


Run 7: Statistics of LEDBAT

```
Start at: 2018-01-02 13:09:10
End at: 2018-01-02 13:09:40
Local clock offset: 0.96 ms
Remote clock offset: -1.032 ms

# Below is generated by plot.py at 2018-01-02 14:44:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.58 Mbit/s
95th percentile per-packet one-way delay: 66.162 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 45.90 Mbit/s
95th percentile per-packet one-way delay: 66.616 ms
Loss rate: 0.19%
-- Flow 2:
Average throughput: 20.65 Mbit/s
95th percentile per-packet one-way delay: 66.635 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 23.95 Mbit/s
95th percentile per-packet one-way delay: 63.183 ms
Loss rate: 0.11%
```

Run 7: Report of LEDBAT — Data Link

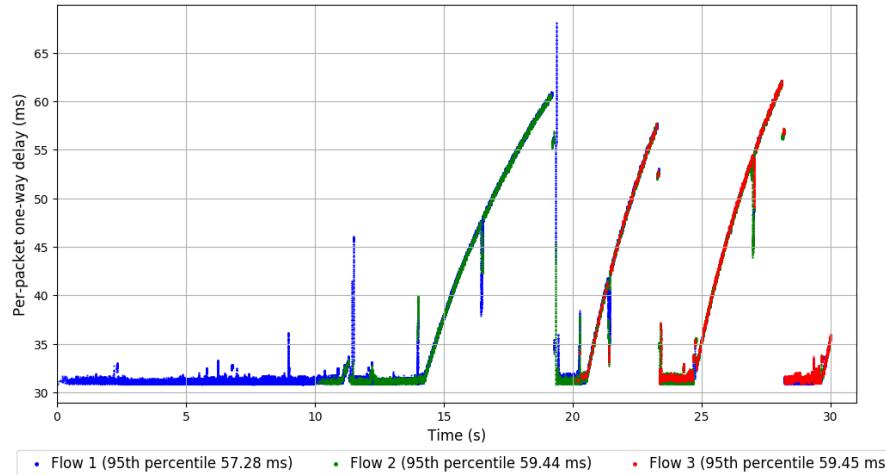
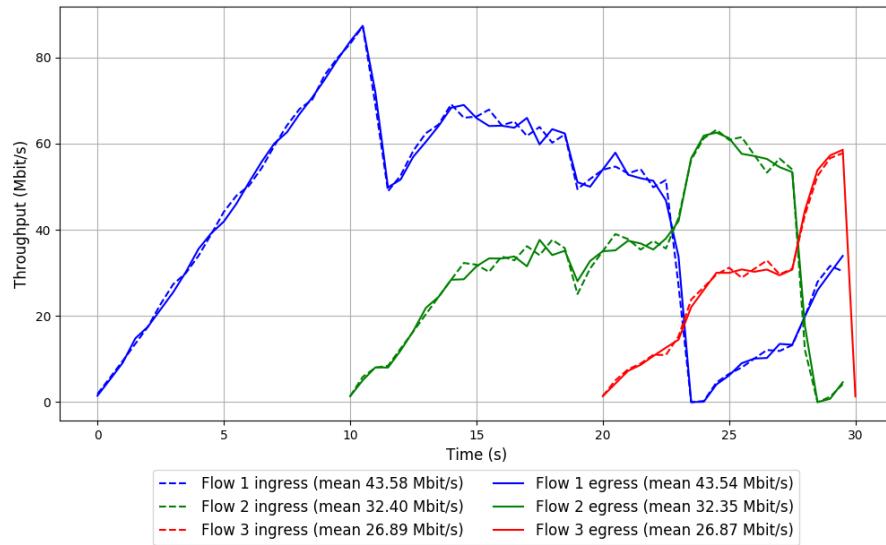


Run 8: Statistics of LEDBAT

```
Start at: 2018-01-02 13:29:45
End at: 2018-01-02 13:30:15
Local clock offset: 0.902 ms
Remote clock offset: -0.534 ms

# Below is generated by plot.py at 2018-01-02 14:44:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.94 Mbit/s
95th percentile per-packet one-way delay: 58.450 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 43.54 Mbit/s
95th percentile per-packet one-way delay: 57.278 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 32.35 Mbit/s
95th percentile per-packet one-way delay: 59.444 ms
Loss rate: 0.12%
-- Flow 3:
Average throughput: 26.87 Mbit/s
95th percentile per-packet one-way delay: 59.447 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

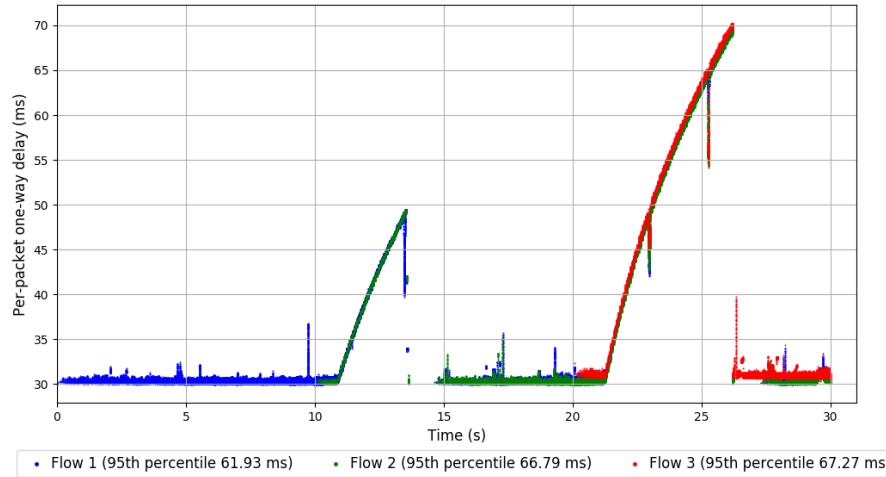
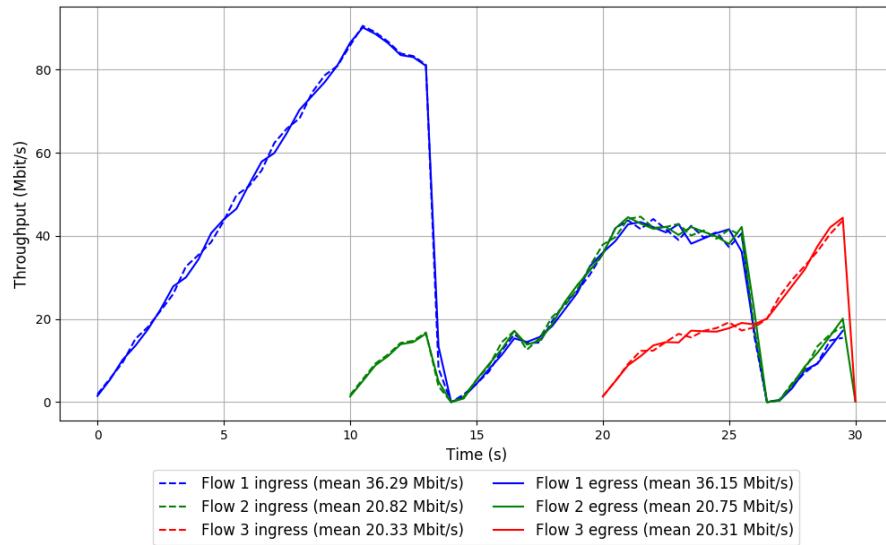


Run 9: Statistics of LEDBAT

```
Start at: 2018-01-02 13:50:30
End at: 2018-01-02 13:51:00
Local clock offset: 0.544 ms
Remote clock offset: -0.538 ms

# Below is generated by plot.py at 2018-01-02 14:44:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.68 Mbit/s
95th percentile per-packet one-way delay: 65.006 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 36.15 Mbit/s
95th percentile per-packet one-way delay: 61.927 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 20.75 Mbit/s
95th percentile per-packet one-way delay: 66.790 ms
Loss rate: 0.34%
-- Flow 3:
Average throughput: 20.31 Mbit/s
95th percentile per-packet one-way delay: 67.268 ms
Loss rate: 0.15%
```

Run 9: Report of LEDBAT — Data Link

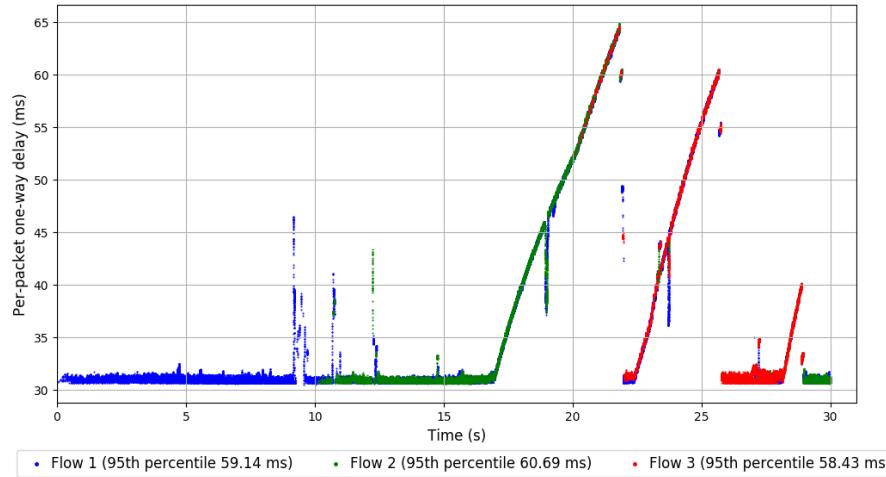
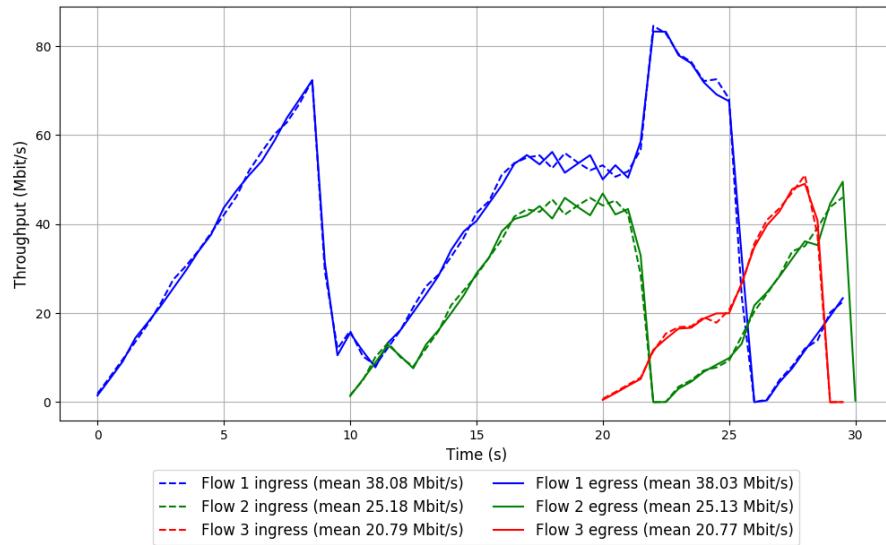


Run 10: Statistics of LEDBAT

```
Start at: 2018-01-02 14:11:46
End at: 2018-01-02 14:12:16
Local clock offset: 0.495 ms
Remote clock offset: -0.68 ms

# Below is generated by plot.py at 2018-01-02 14:44:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.60 Mbit/s
95th percentile per-packet one-way delay: 59.621 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 38.03 Mbit/s
95th percentile per-packet one-way delay: 59.138 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 25.13 Mbit/s
95th percentile per-packet one-way delay: 60.693 ms
Loss rate: 0.17%
-- Flow 3:
Average throughput: 20.77 Mbit/s
95th percentile per-packet one-way delay: 58.430 ms
Loss rate: 0.34%
```

Run 10: Report of LEDBAT — Data Link

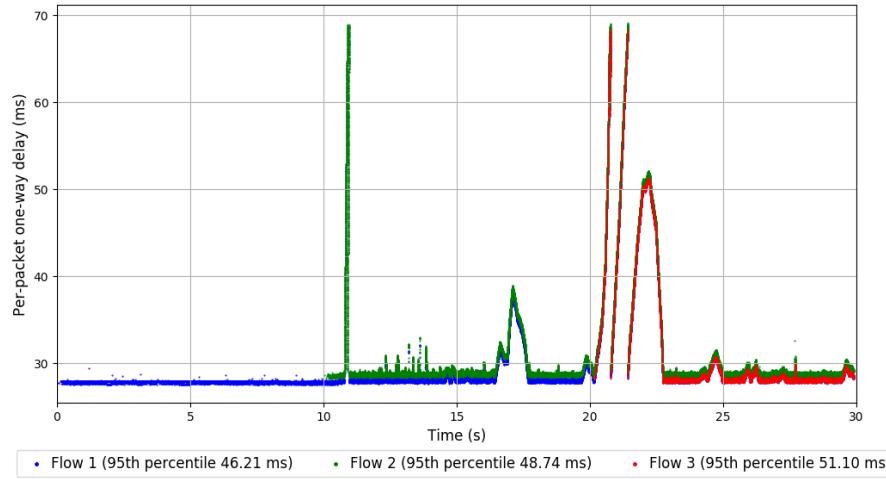
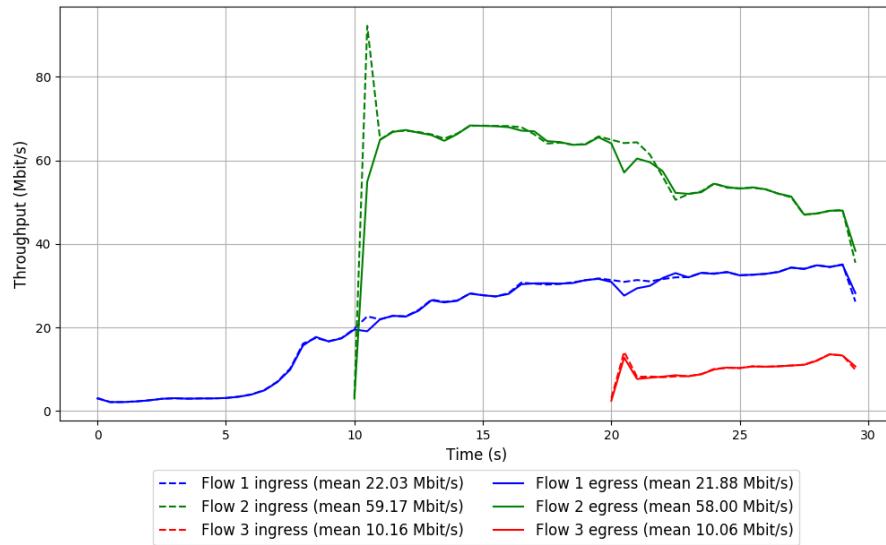


```
Run 1: Statistics of PCC
```

```
Start at: 2018-01-02 10:57:05
End at: 2018-01-02 10:57:35
Local clock offset: 0.748 ms
Remote clock offset: -1.688 ms

# Below is generated by plot.py at 2018-01-02 14:44:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.76 Mbit/s
95th percentile per-packet one-way delay: 48.285 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 21.88 Mbit/s
95th percentile per-packet one-way delay: 46.207 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 58.00 Mbit/s
95th percentile per-packet one-way delay: 48.744 ms
Loss rate: 1.98%
-- Flow 3:
Average throughput: 10.06 Mbit/s
95th percentile per-packet one-way delay: 51.098 ms
Loss rate: 0.97%
```

## Run 1: Report of PCC — Data Link

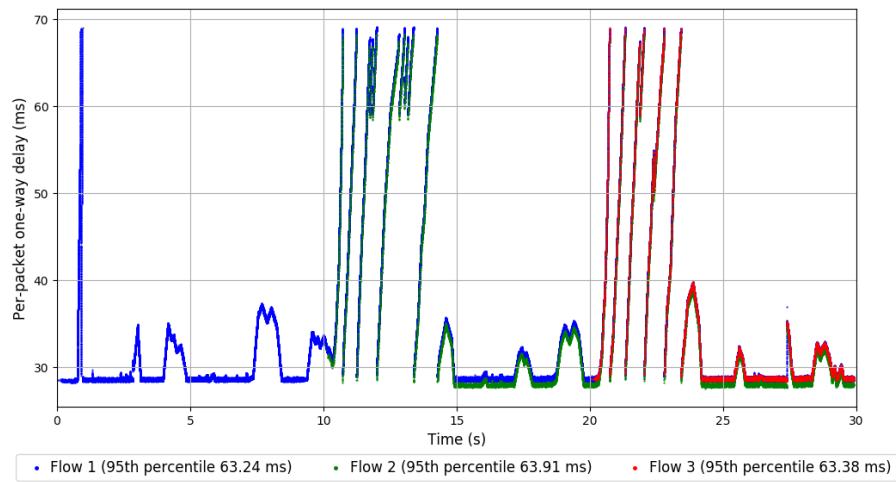
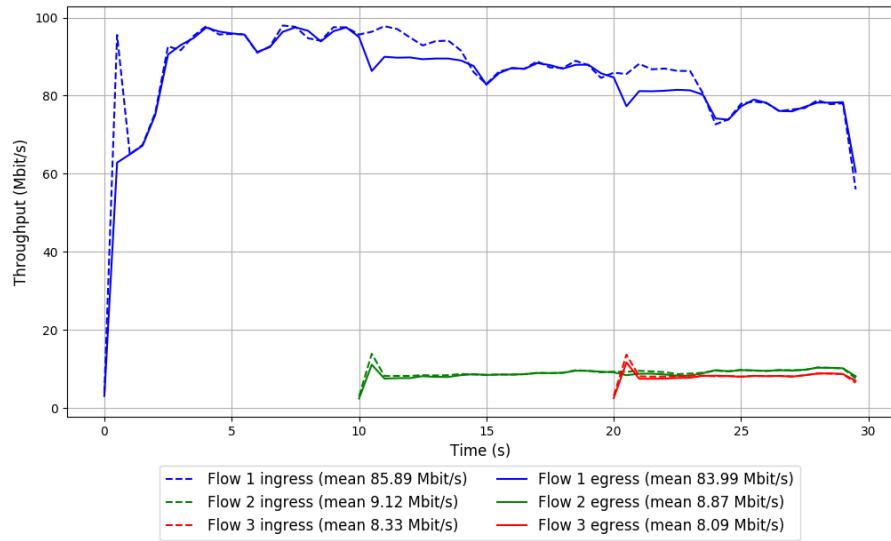


Run 2: Statistics of PCC

```
Start at: 2018-01-02 11:17:58
End at: 2018-01-02 11:18:28
Local clock offset: 0.949 ms
Remote clock offset: -2.06 ms

# Below is generated by plot.py at 2018-01-02 14:44:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.56 Mbit/s
95th percentile per-packet one-way delay: 63.296 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 63.240 ms
Loss rate: 2.21%
-- Flow 2:
Average throughput: 8.87 Mbit/s
95th percentile per-packet one-way delay: 63.908 ms
Loss rate: 2.74%
-- Flow 3:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 63.380 ms
Loss rate: 2.87%
```

## Run 2: Report of PCC — Data Link

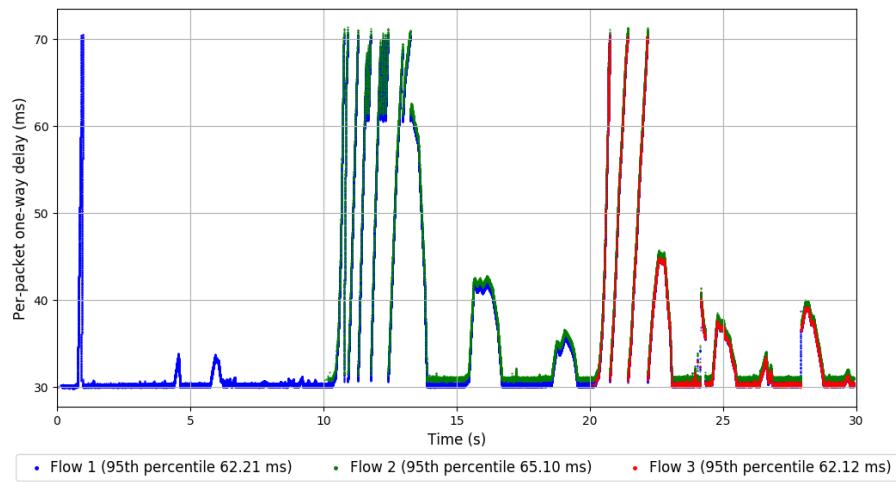
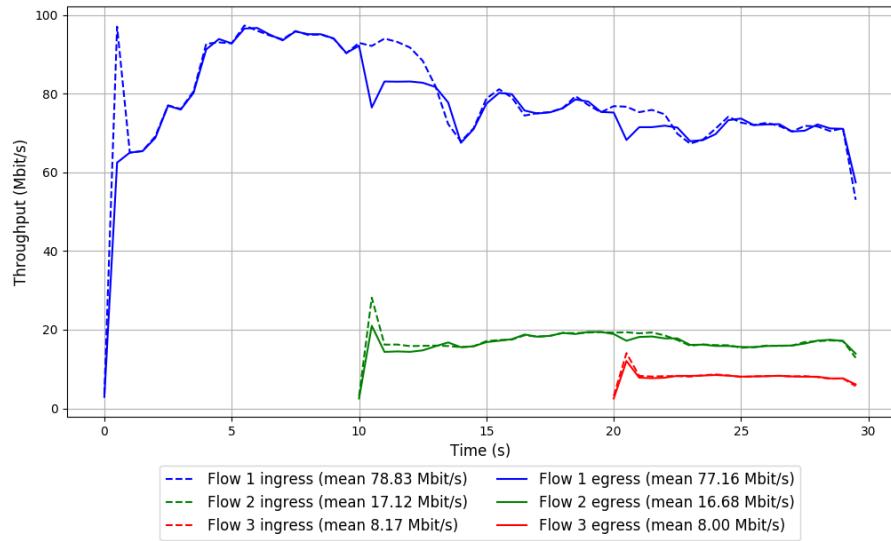


Run 3: Statistics of PCC

```
Start at: 2018-01-02 11:38:57
End at: 2018-01-02 11:39:27
Local clock offset: 0.926 ms
Remote clock offset: 0.108 ms

# Below is generated by plot.py at 2018-01-02 14:45:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 62.682 ms
Loss rate: 2.17%
-- Flow 1:
Average throughput: 77.16 Mbit/s
95th percentile per-packet one-way delay: 62.213 ms
Loss rate: 2.12%
-- Flow 2:
Average throughput: 16.68 Mbit/s
95th percentile per-packet one-way delay: 65.103 ms
Loss rate: 2.56%
-- Flow 3:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 62.125 ms
Loss rate: 2.11%
```

### Run 3: Report of PCC — Data Link

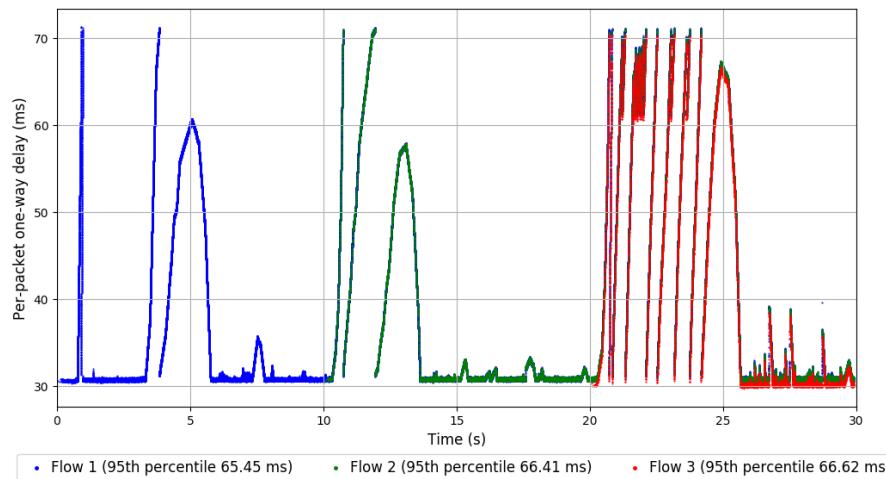
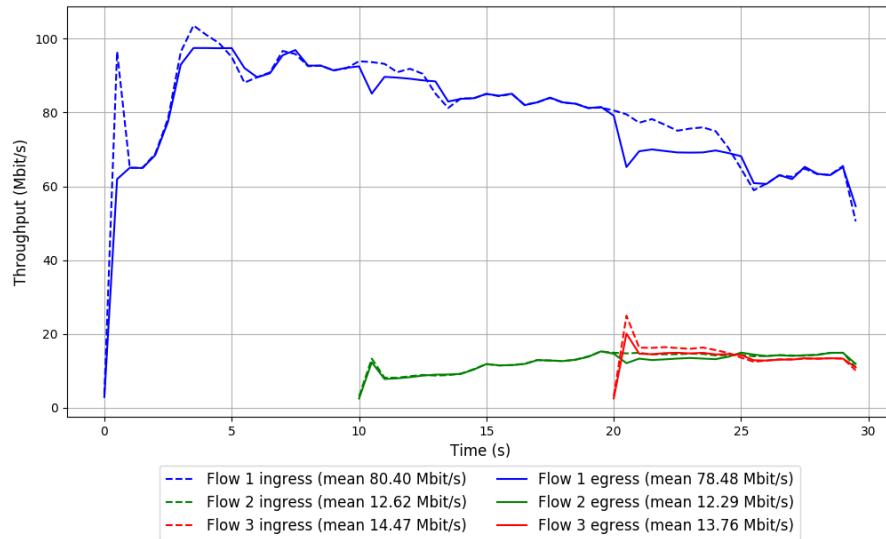


Run 4: Statistics of PCC

```
Start at: 2018-01-02 11:59:51
End at: 2018-01-02 12:00:21
Local clock offset: 0.915 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-01-02 14:45:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 65.756 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 78.48 Mbit/s
95th percentile per-packet one-way delay: 65.448 ms
Loss rate: 2.38%
-- Flow 2:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 66.410 ms
Loss rate: 2.61%
-- Flow 3:
Average throughput: 13.76 Mbit/s
95th percentile per-packet one-way delay: 66.616 ms
Loss rate: 4.91%
```

## Run 4: Report of PCC — Data Link

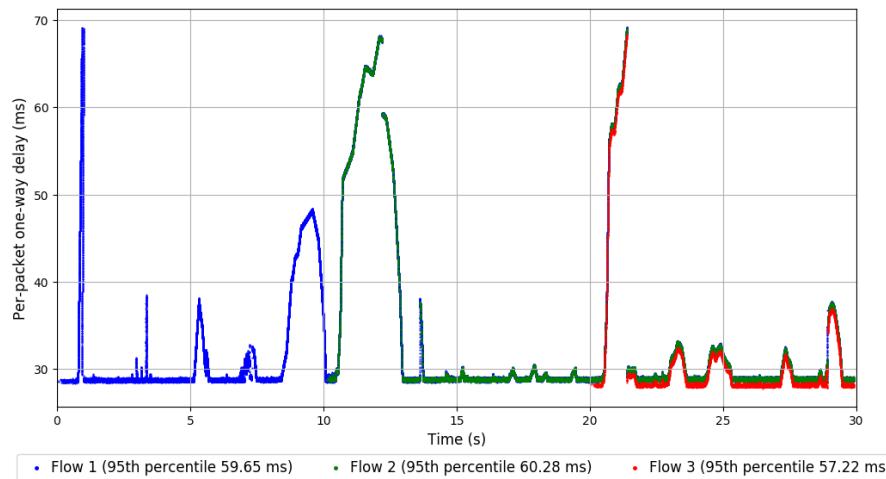
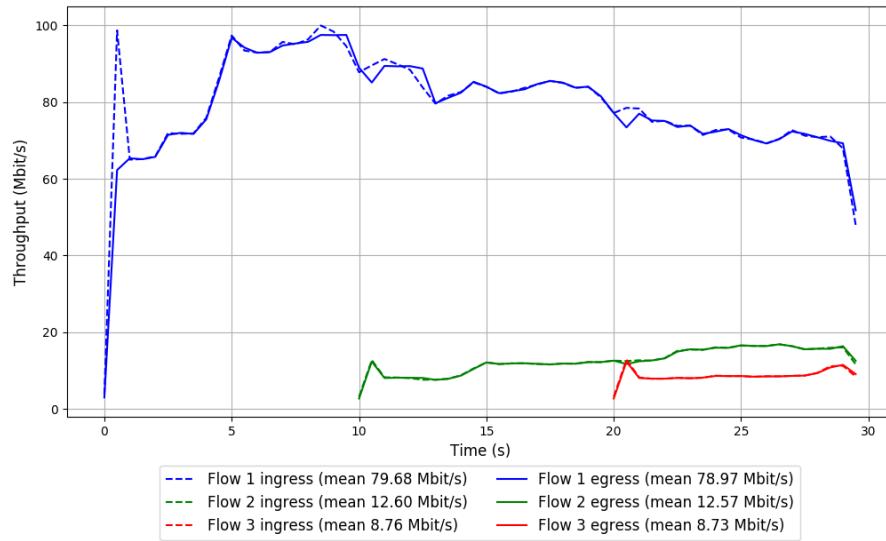


Run 5: Statistics of PCC

```
Start at: 2018-01-02 12:20:48
End at: 2018-01-02 12:21:18
Local clock offset: 0.793 ms
Remote clock offset: -2.233 ms

# Below is generated by plot.py at 2018-01-02 14:45:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 59.530 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 78.97 Mbit/s
95th percentile per-packet one-way delay: 59.645 ms
Loss rate: 0.88%
-- Flow 2:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 60.277 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 8.73 Mbit/s
95th percentile per-packet one-way delay: 57.217 ms
Loss rate: 0.38%
```

## Run 5: Report of PCC — Data Link

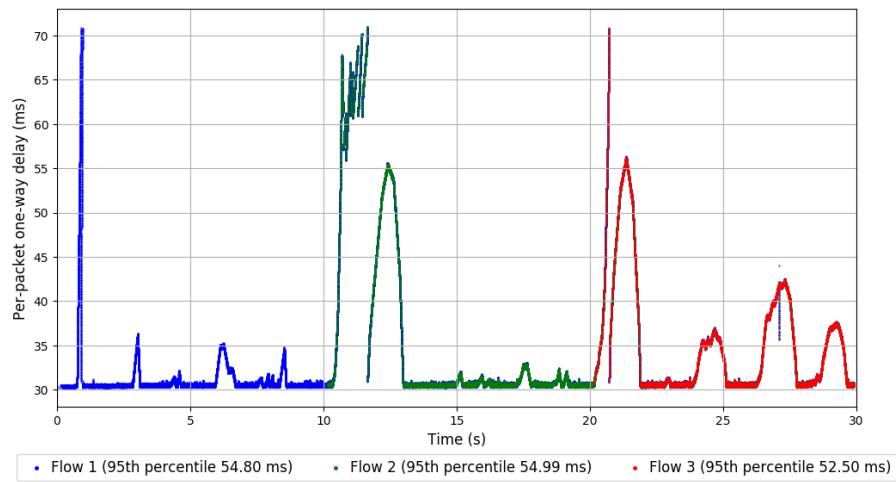
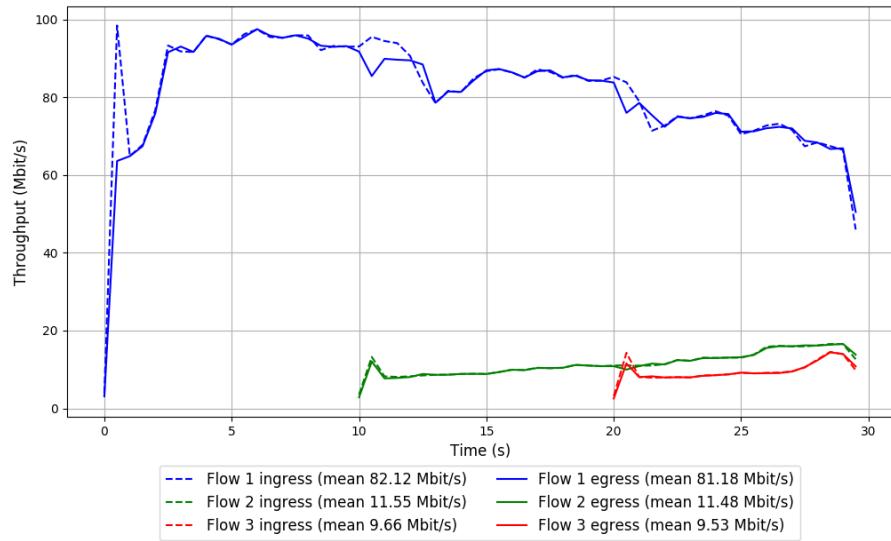


Run 6: Statistics of PCC

```
Start at: 2018-01-02 12:41:40
End at: 2018-01-02 12:42:10
Local clock offset: 0.869 ms
Remote clock offset: 0.141 ms

# Below is generated by plot.py at 2018-01-02 14:45:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.95 Mbit/s
95th percentile per-packet one-way delay: 54.749 ms
Loss rate: 1.10%
-- Flow 1:
Average throughput: 81.18 Mbit/s
95th percentile per-packet one-way delay: 54.798 ms
Loss rate: 1.14%
-- Flow 2:
Average throughput: 11.48 Mbit/s
95th percentile per-packet one-way delay: 54.990 ms
Loss rate: 0.63%
-- Flow 3:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 52.503 ms
Loss rate: 1.36%
```

## Run 6: Report of PCC — Data Link

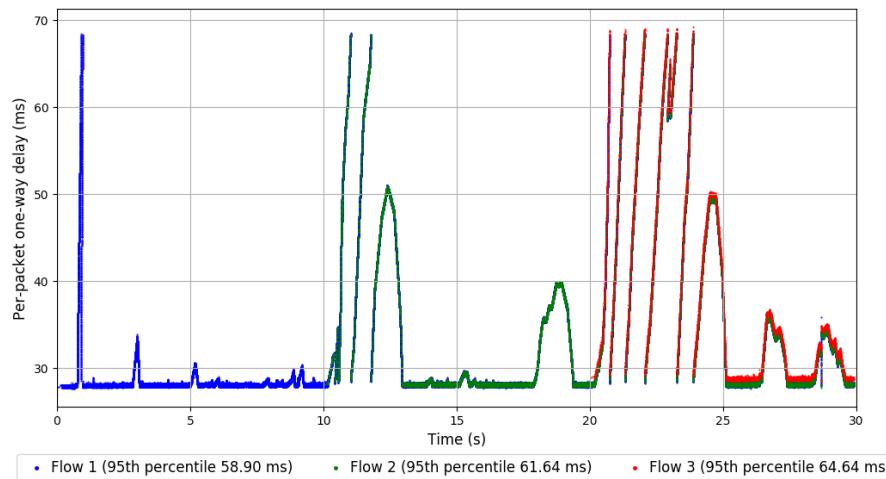
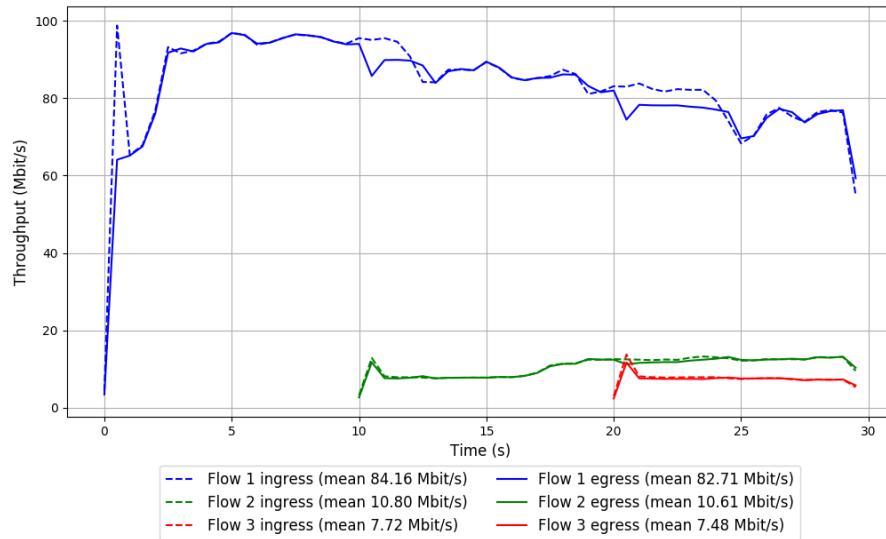


Run 7: Statistics of PCC

```
Start at: 2018-01-02 13:02:12
End at: 2018-01-02 13:02:42
Local clock offset: 0.952 ms
Remote clock offset: -2.987 ms

# Below is generated by plot.py at 2018-01-02 14:45:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.24 Mbit/s
95th percentile per-packet one-way delay: 59.501 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 58.897 ms
Loss rate: 1.72%
-- Flow 2:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 61.641 ms
Loss rate: 1.72%
-- Flow 3:
Average throughput: 7.48 Mbit/s
95th percentile per-packet one-way delay: 64.640 ms
Loss rate: 3.08%
```

## Run 7: Report of PCC — Data Link

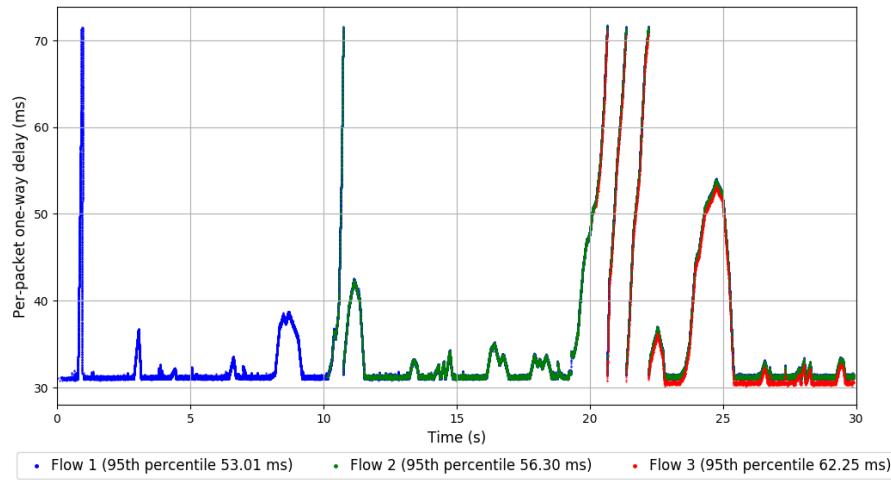
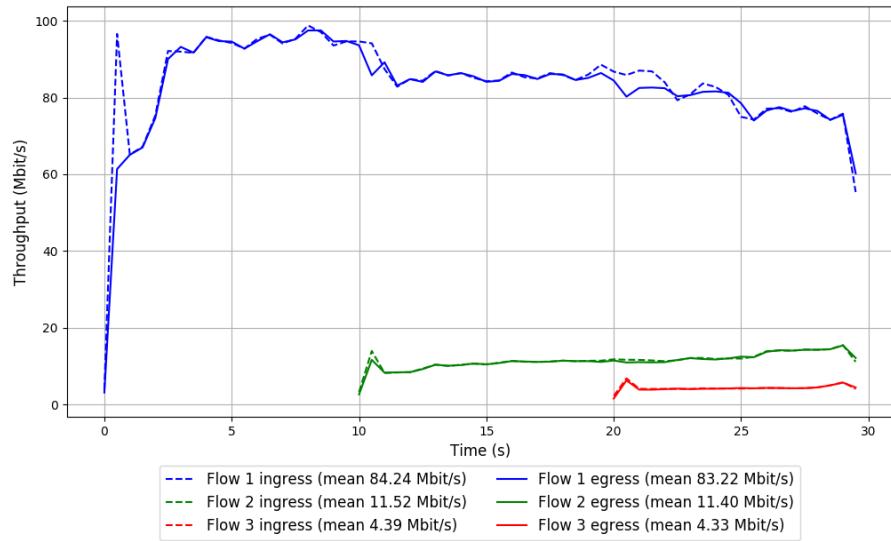


Run 8: Statistics of PCC

```
Start at: 2018-01-02 13:22:54
End at: 2018-01-02 13:23:24
Local clock offset: 0.853 ms
Remote clock offset: -0.626 ms

# Below is generated by plot.py at 2018-01-02 14:45:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.22 Mbit/s
95th percentile per-packet one-way delay: 53.277 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 83.22 Mbit/s
95th percentile per-packet one-way delay: 53.007 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 56.296 ms
Loss rate: 1.09%
-- Flow 3:
Average throughput: 4.33 Mbit/s
95th percentile per-packet one-way delay: 62.248 ms
Loss rate: 1.61%
```

## Run 8: Report of PCC — Data Link

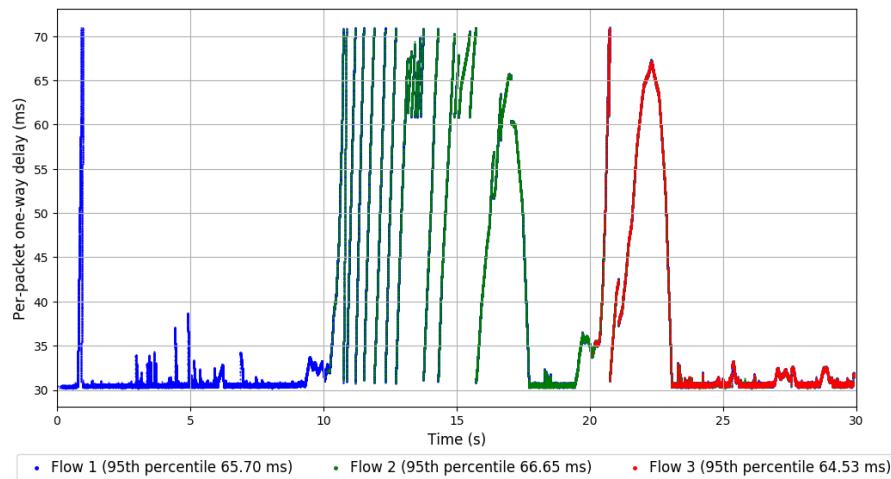
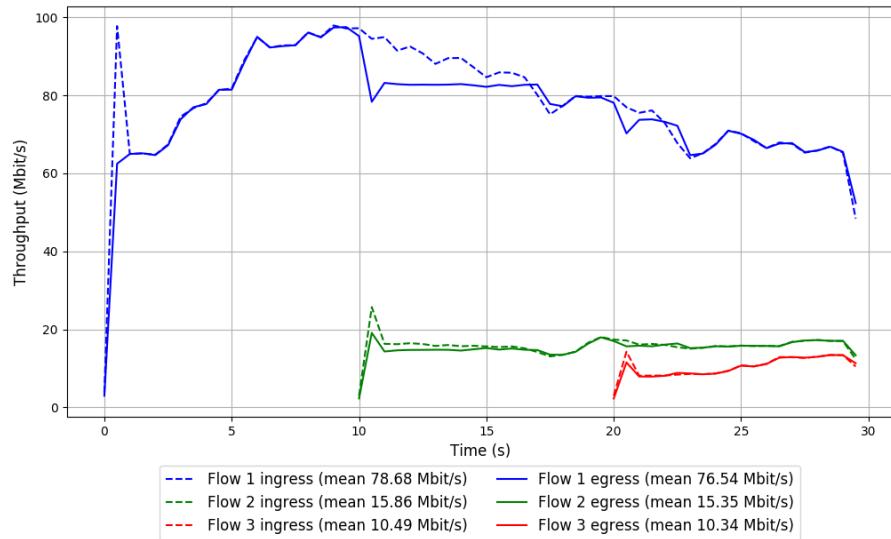


Run 9: Statistics of PCC

```
Start at: 2018-01-02 13:43:34
End at: 2018-01-02 13:44:04
Local clock offset: 0.746 ms
Remote clock offset: -0.15 ms

# Below is generated by plot.py at 2018-01-02 14:45:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 65.793 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 76.54 Mbit/s
95th percentile per-packet one-way delay: 65.702 ms
Loss rate: 2.71%
-- Flow 2:
Average throughput: 15.35 Mbit/s
95th percentile per-packet one-way delay: 66.653 ms
Loss rate: 3.23%
-- Flow 3:
Average throughput: 10.34 Mbit/s
95th percentile per-packet one-way delay: 64.532 ms
Loss rate: 1.43%
```

## Run 9: Report of PCC — Data Link

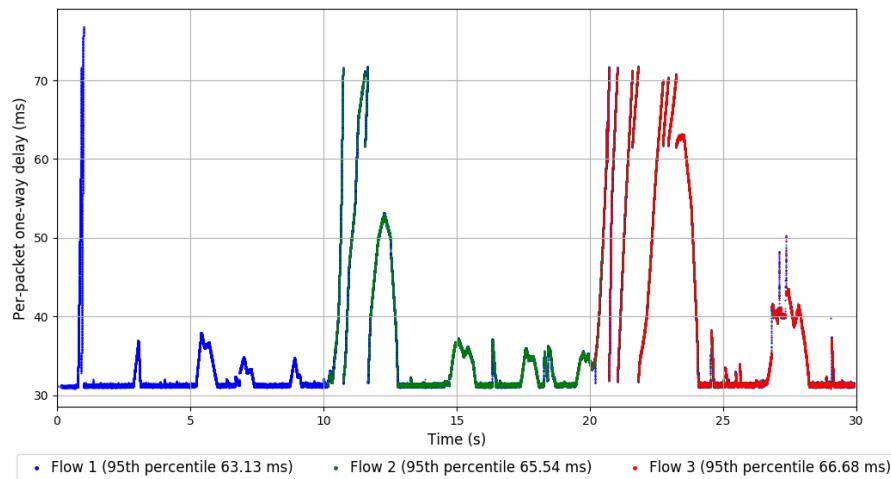
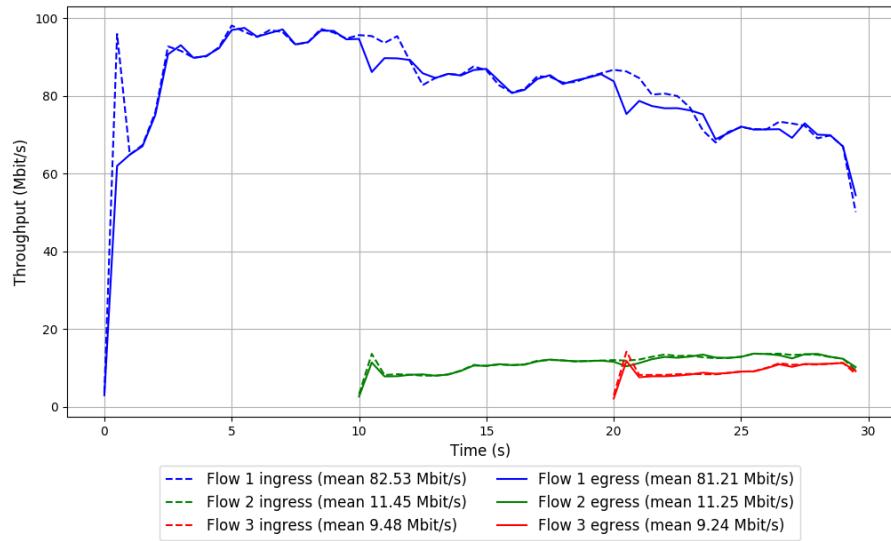


Run 10: Statistics of PCC

```
Start at: 2018-01-02 14:04:39
End at: 2018-01-02 14:05:09
Local clock offset: 0.481 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-01-02 14:46:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.73 Mbit/s
95th percentile per-packet one-way delay: 63.714 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 81.21 Mbit/s
95th percentile per-packet one-way delay: 63.132 ms
Loss rate: 1.60%
-- Flow 2:
Average throughput: 11.25 Mbit/s
95th percentile per-packet one-way delay: 65.540 ms
Loss rate: 1.73%
-- Flow 3:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 66.676 ms
Loss rate: 2.46%
```

## Run 10: Report of PCC — Data Link

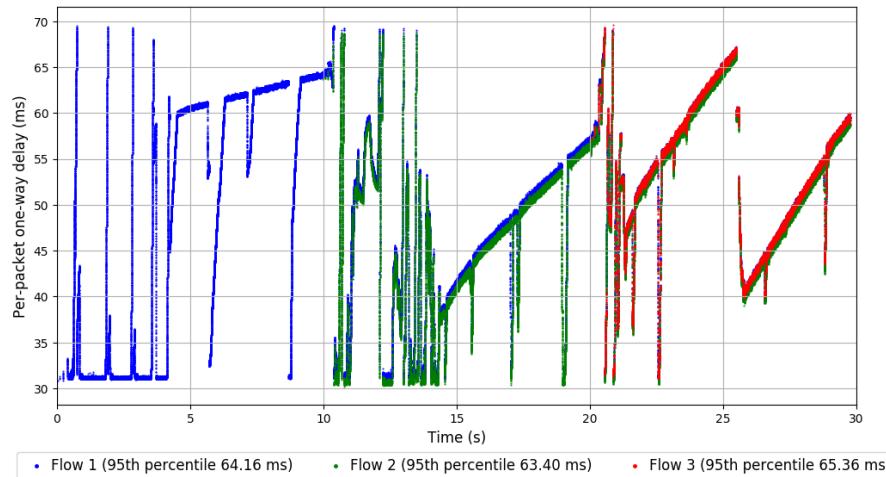
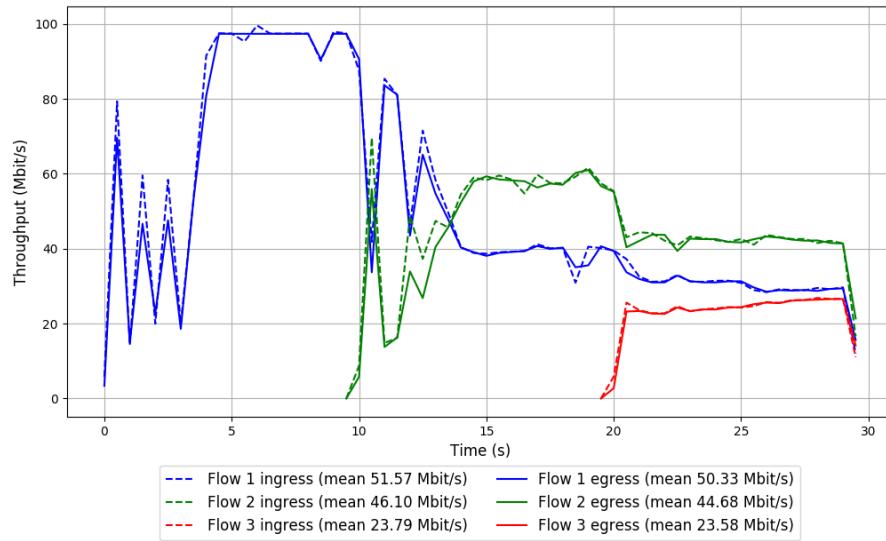


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-02 10:52:58
End at: 2018-01-02 10:53:28
Local clock offset: 0.793 ms
Remote clock offset: 1.181 ms

# Below is generated by plot.py at 2018-01-02 14:46:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.81 Mbit/s
95th percentile per-packet one-way delay: 64.155 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 50.33 Mbit/s
95th percentile per-packet one-way delay: 64.164 ms
Loss rate: 2.31%
-- Flow 2:
Average throughput: 44.68 Mbit/s
95th percentile per-packet one-way delay: 63.398 ms
Loss rate: 3.09%
-- Flow 3:
Average throughput: 23.58 Mbit/s
95th percentile per-packet one-way delay: 65.356 ms
Loss rate: 0.86%
```

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

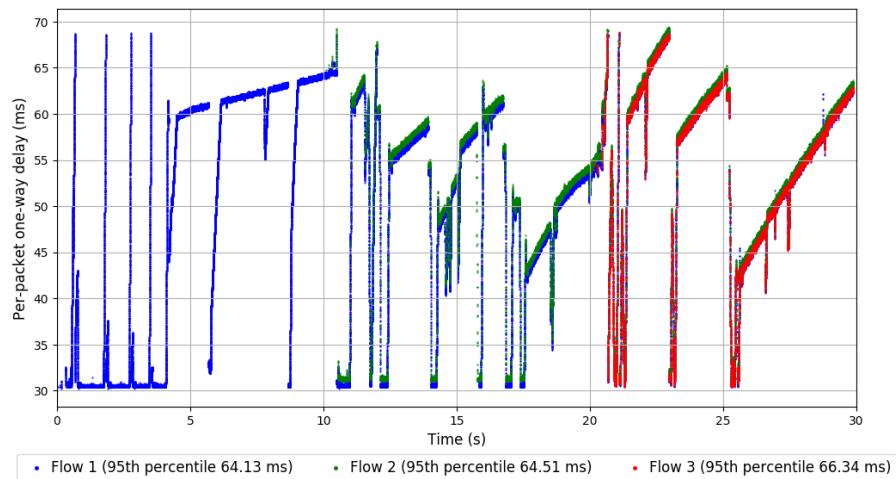
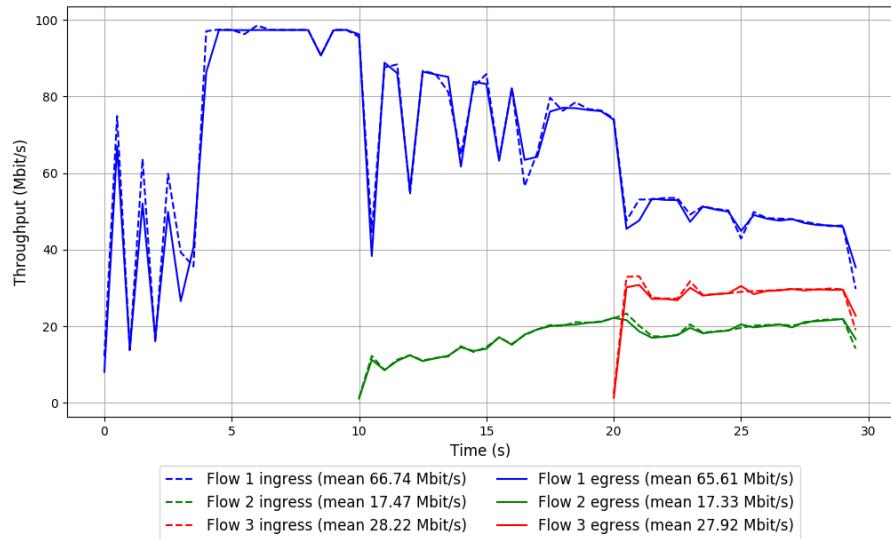


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-01-02 11:13:52
End at: 2018-01-02 11:14:22
Local clock offset: 0.84 ms
Remote clock offset: 0.526 ms

# Below is generated by plot.py at 2018-01-02 14:46:54
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.23 Mbit/s
95th percentile per-packet one-way delay: 64.242 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 65.61 Mbit/s
95th percentile per-packet one-way delay: 64.134 ms
Loss rate: 1.59%
-- Flow 2:
Average throughput: 17.33 Mbit/s
95th percentile per-packet one-way delay: 64.511 ms
Loss rate: 0.83%
-- Flow 3:
Average throughput: 27.92 Mbit/s
95th percentile per-packet one-way delay: 66.338 ms
Loss rate: 0.97%
```

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

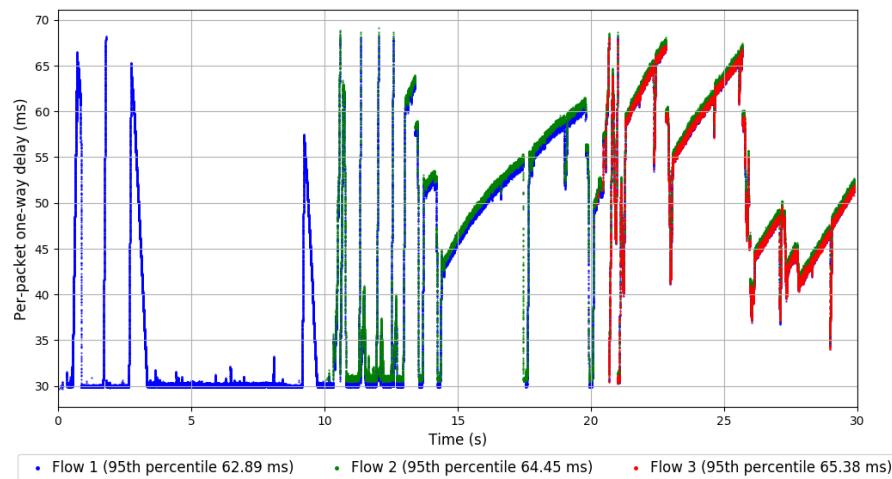
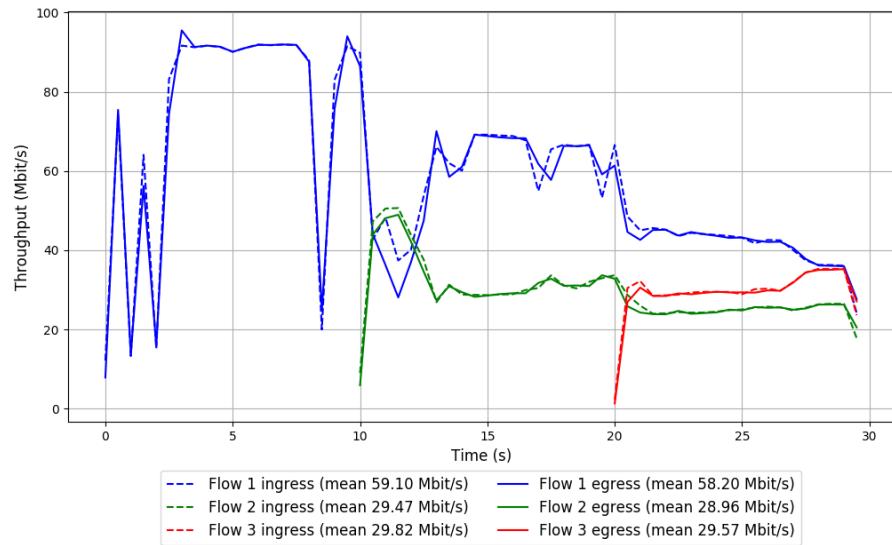


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-01-02 11:34:47
End at: 2018-01-02 11:35:17
Local clock offset: 0.995 ms
Remote clock offset: 0.089 ms

# Below is generated by plot.py at 2018-01-02 14:46:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.13 Mbit/s
95th percentile per-packet one-way delay: 63.764 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 58.20 Mbit/s
95th percentile per-packet one-way delay: 62.893 ms
Loss rate: 1.45%
-- Flow 2:
Average throughput: 28.96 Mbit/s
95th percentile per-packet one-way delay: 64.449 ms
Loss rate: 1.63%
-- Flow 3:
Average throughput: 29.57 Mbit/s
95th percentile per-packet one-way delay: 65.384 ms
Loss rate: 0.82%
```

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

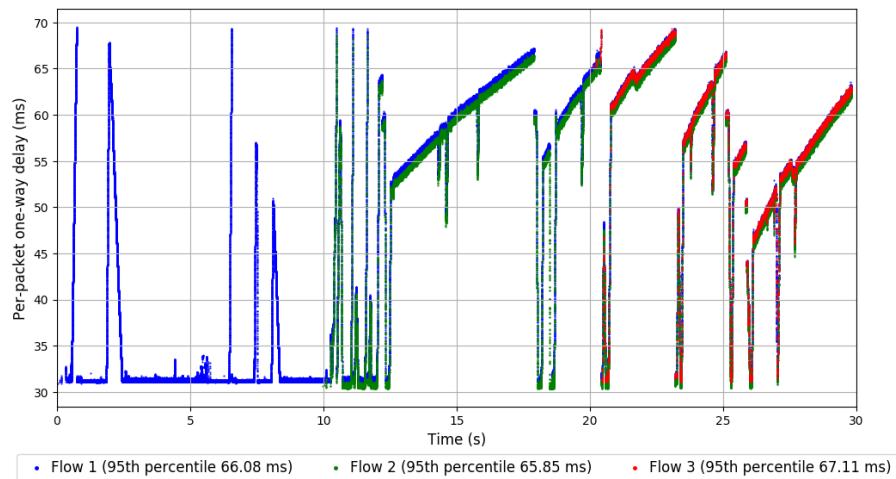
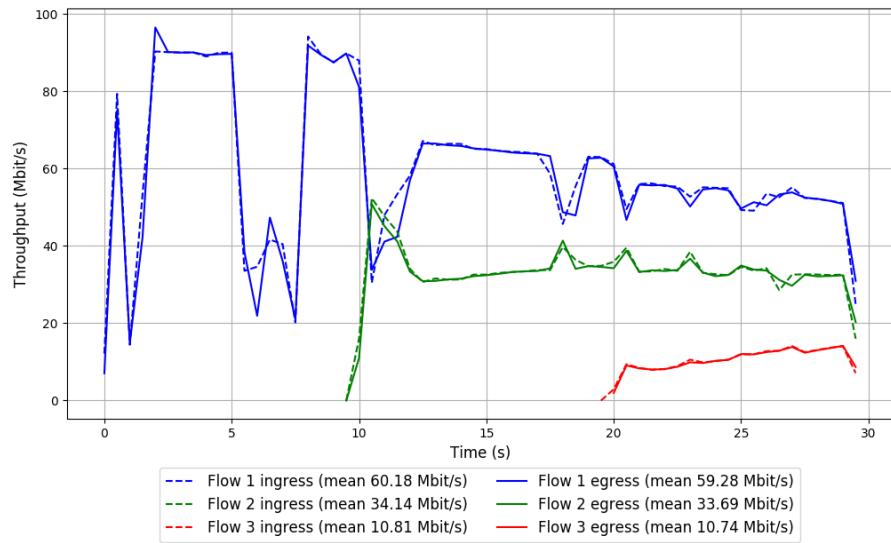


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-01-02 11:55:47
End at: 2018-01-02 11:56:17
Local clock offset: 0.885 ms
Remote clock offset: 0.551 ms

# Below is generated by plot.py at 2018-01-02 14:46:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 66.018 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 66.081 ms
Loss rate: 1.40%
-- Flow 2:
Average throughput: 33.69 Mbit/s
95th percentile per-packet one-way delay: 65.854 ms
Loss rate: 1.17%
-- Flow 3:
Average throughput: 10.74 Mbit/s
95th percentile per-packet one-way delay: 67.110 ms
Loss rate: 0.71%
```

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

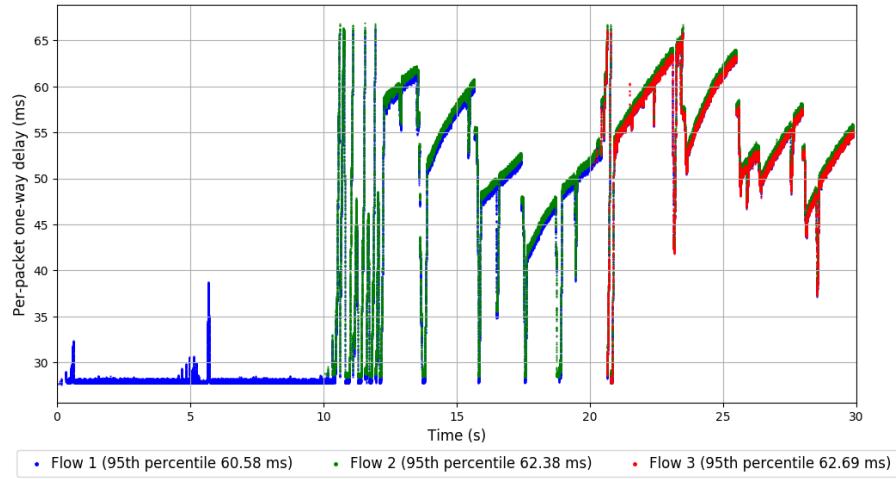
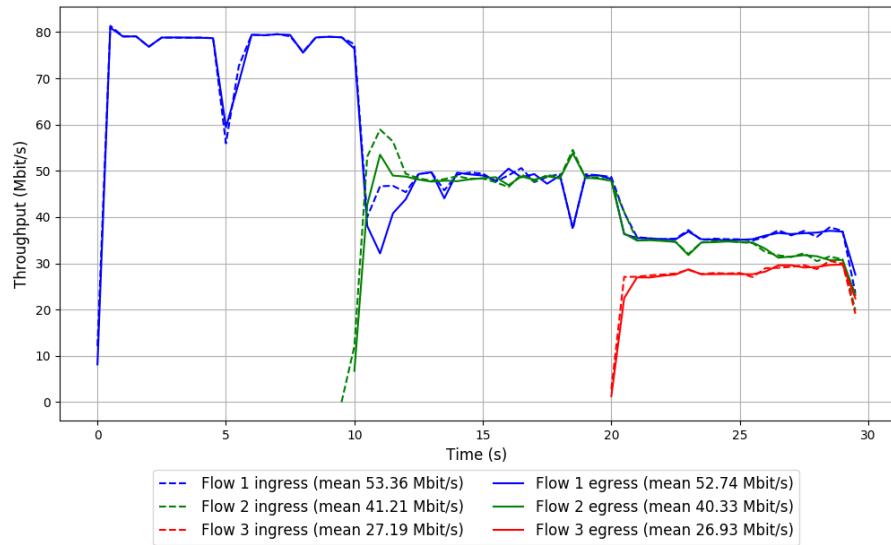


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-01-02 12:16:41
End at: 2018-01-02 12:17:11
Local clock offset: 0.819 ms
Remote clock offset: -2.328 ms

# Below is generated by plot.py at 2018-01-02 14:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.38 Mbit/s
95th percentile per-packet one-way delay: 61.628 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 52.74 Mbit/s
95th percentile per-packet one-way delay: 60.576 ms
Loss rate: 1.08%
-- Flow 2:
Average throughput: 40.33 Mbit/s
95th percentile per-packet one-way delay: 62.384 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 26.93 Mbit/s
95th percentile per-packet one-way delay: 62.691 ms
Loss rate: 0.90%
```

Run 5: Report of QUIC Cubic — Data Link

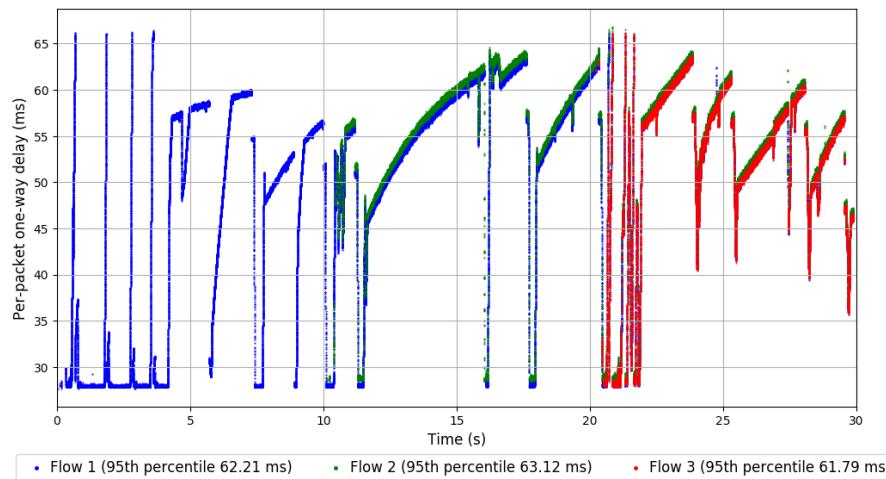
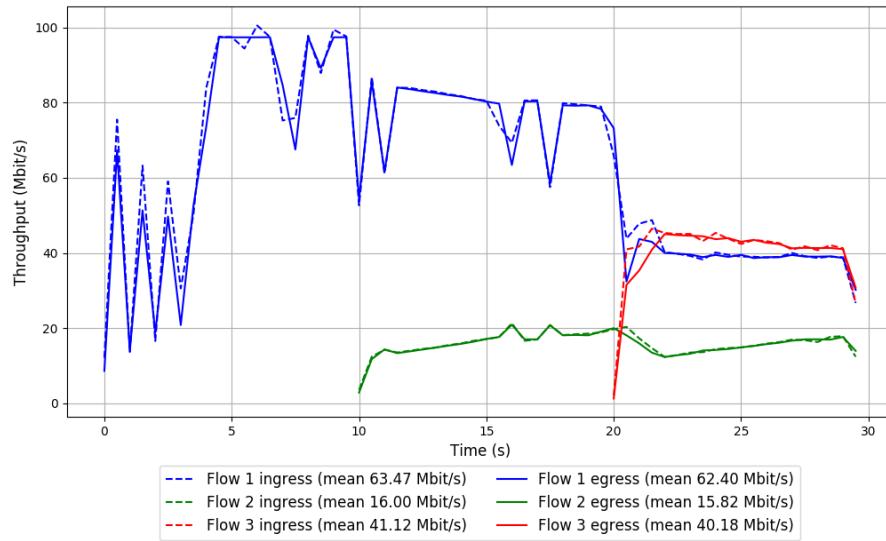


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-01-02 12:37:34
End at: 2018-01-02 12:38:04
Local clock offset: 0.785 ms
Remote clock offset: -2.314 ms

# Below is generated by plot.py at 2018-01-02 14:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.02 Mbit/s
95th percentile per-packet one-way delay: 62.326 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 62.40 Mbit/s
95th percentile per-packet one-way delay: 62.211 ms
Loss rate: 1.63%
-- Flow 2:
Average throughput: 15.82 Mbit/s
95th percentile per-packet one-way delay: 63.122 ms
Loss rate: 1.06%
-- Flow 3:
Average throughput: 40.18 Mbit/s
95th percentile per-packet one-way delay: 61.792 ms
Loss rate: 2.46%
```

Run 6: Report of QUIC Cubic — Data Link

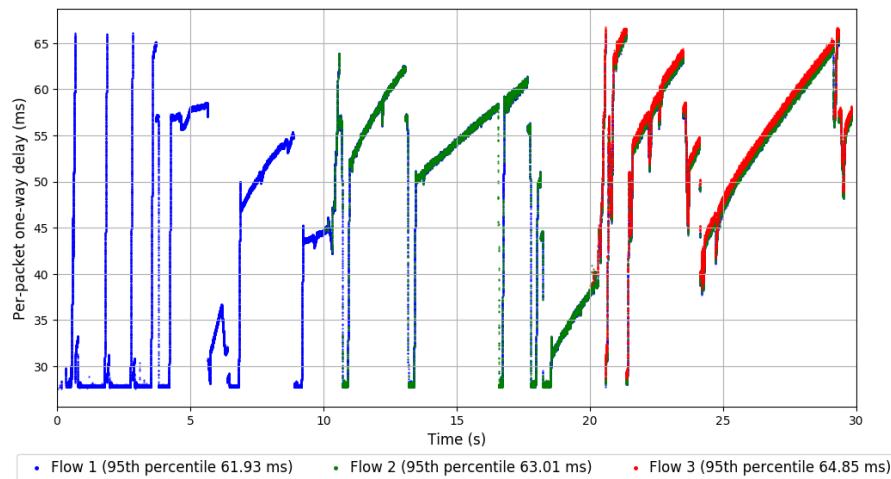
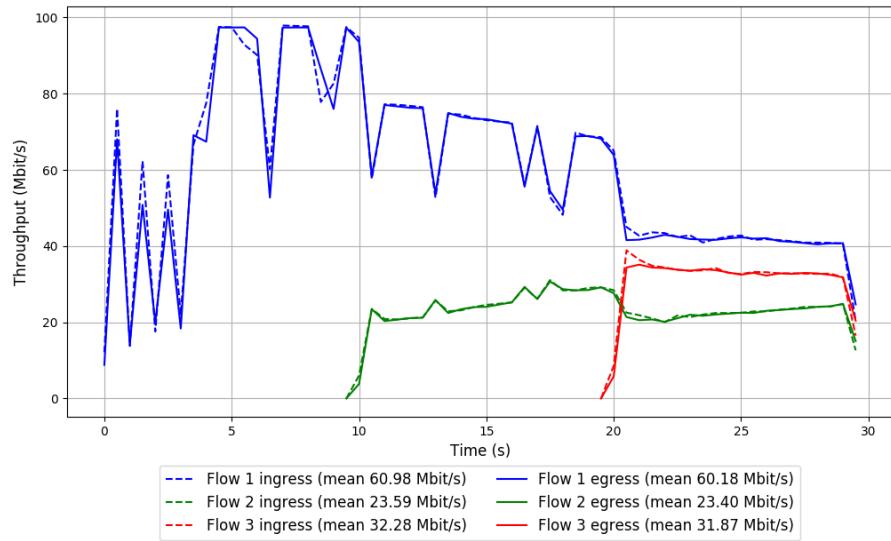


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-01-02 12:58:07
End at: 2018-01-02 12:58:37
Local clock offset: 0.928 ms
Remote clock offset: -2.971 ms

# Below is generated by plot.py at 2018-01-02 14:47:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 62.972 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 60.18 Mbit/s
95th percentile per-packet one-way delay: 61.934 ms
Loss rate: 1.21%
-- Flow 2:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 63.013 ms
Loss rate: 0.74%
-- Flow 3:
Average throughput: 31.87 Mbit/s
95th percentile per-packet one-way delay: 64.851 ms
Loss rate: 1.09%
```

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

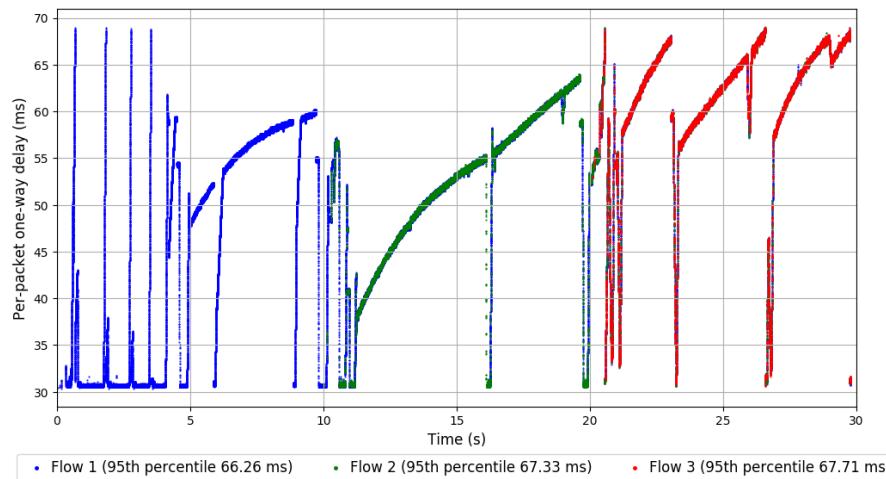
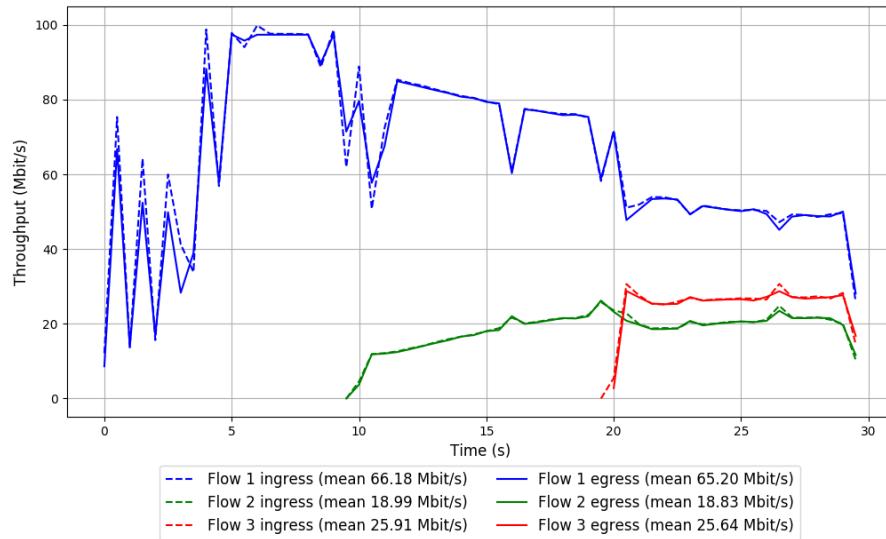


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-01-02 13:18:49
End at: 2018-01-02 13:19:19
Local clock offset: 0.961 ms
Remote clock offset: -0.959 ms

# Below is generated by plot.py at 2018-01-02 14:47:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.16 Mbit/s
95th percentile per-packet one-way delay: 66.923 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 65.20 Mbit/s
95th percentile per-packet one-way delay: 66.263 ms
Loss rate: 1.48%
-- Flow 2:
Average throughput: 18.83 Mbit/s
95th percentile per-packet one-way delay: 67.325 ms
Loss rate: 0.85%
-- Flow 3:
Average throughput: 25.64 Mbit/s
95th percentile per-packet one-way delay: 67.709 ms
Loss rate: 1.27%
```

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

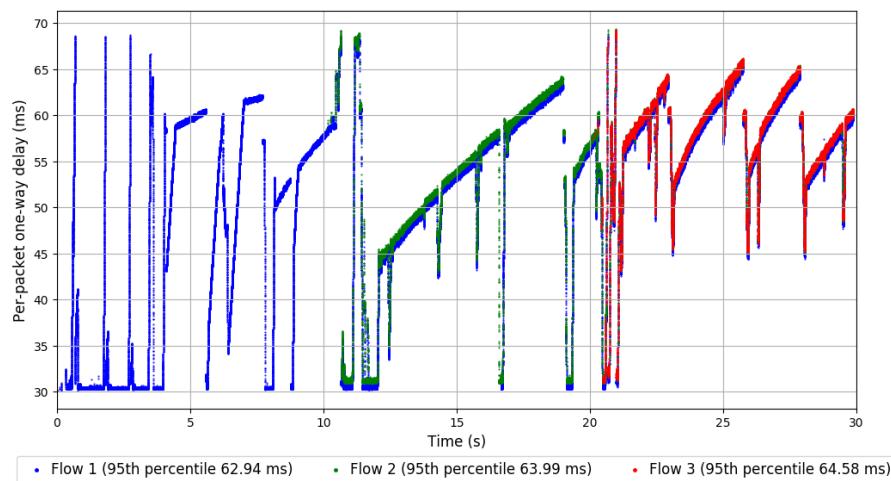
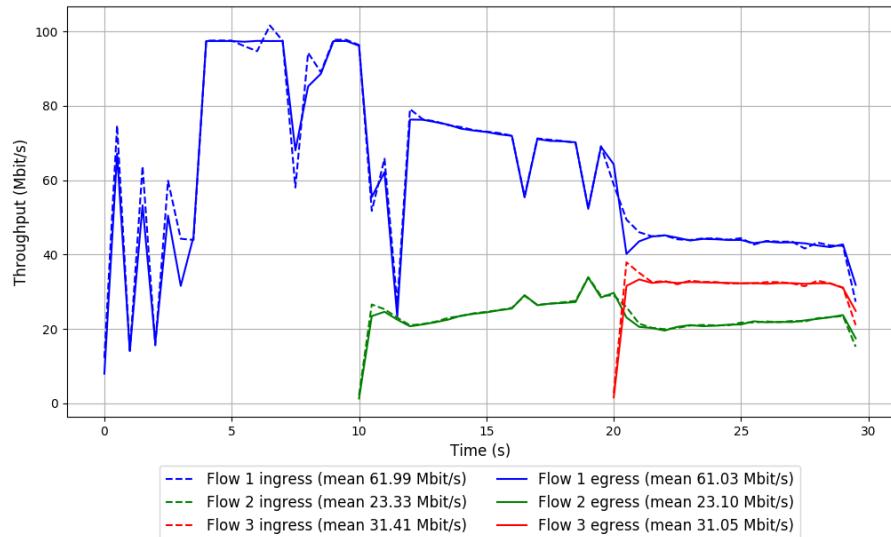


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-01-02 13:39:29
End at: 2018-01-02 13:39:59
Local clock offset: 0.812 ms
Remote clock offset: -0.261 ms

# Below is generated by plot.py at 2018-01-02 14:48:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 63.603 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 61.03 Mbit/s
95th percentile per-packet one-way delay: 62.944 ms
Loss rate: 1.46%
-- Flow 2:
Average throughput: 23.10 Mbit/s
95th percentile per-packet one-way delay: 63.995 ms
Loss rate: 0.96%
-- Flow 3:
Average throughput: 31.05 Mbit/s
95th percentile per-packet one-way delay: 64.577 ms
Loss rate: 1.10%
```

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

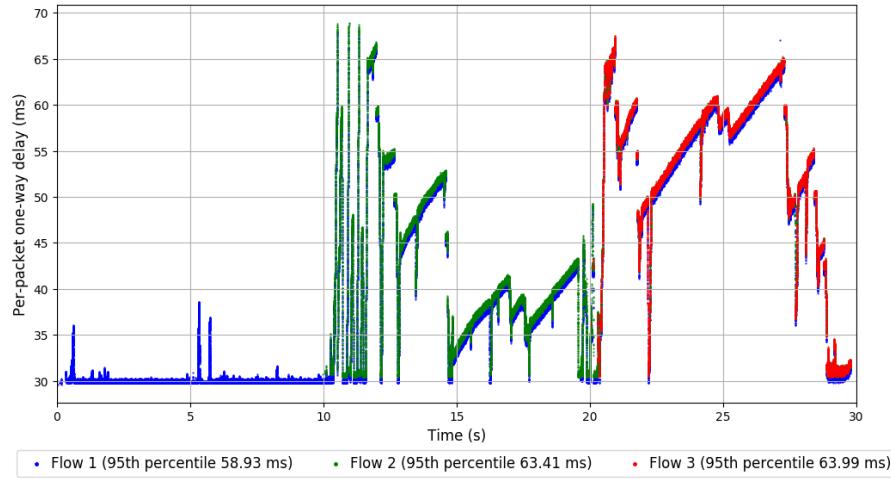
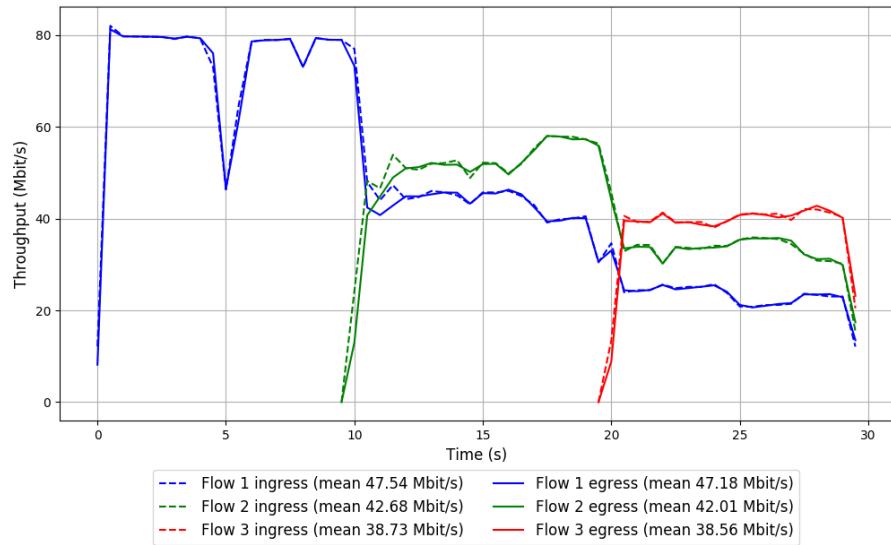


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-01-02 14:00:30
End at: 2018-01-02 14:01:00
Local clock offset: 0.526 ms
Remote clock offset: -0.583 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.86 Mbit/s
95th percentile per-packet one-way delay: 62.214 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 47.18 Mbit/s
95th percentile per-packet one-way delay: 58.927 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 63.413 ms
Loss rate: 1.55%
-- Flow 3:
Average throughput: 38.56 Mbit/s
95th percentile per-packet one-way delay: 63.987 ms
Loss rate: 0.41%
```

Run 10: Report of QUIC Cubic — Data Link

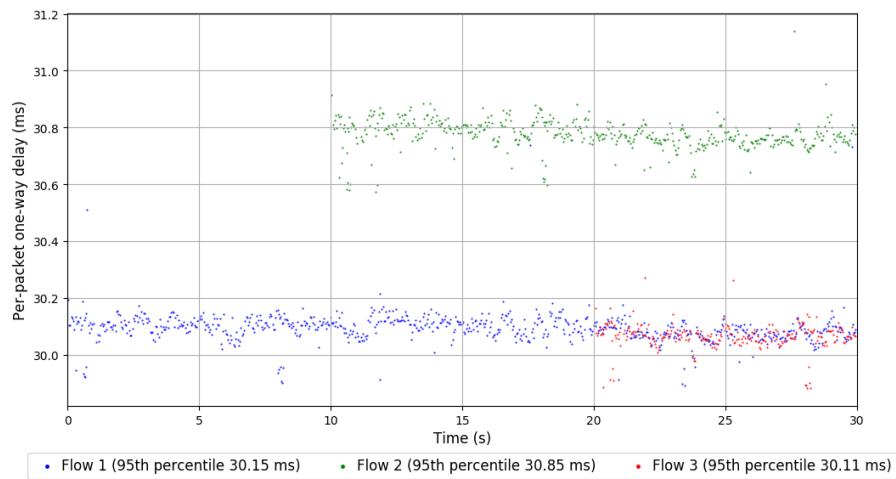
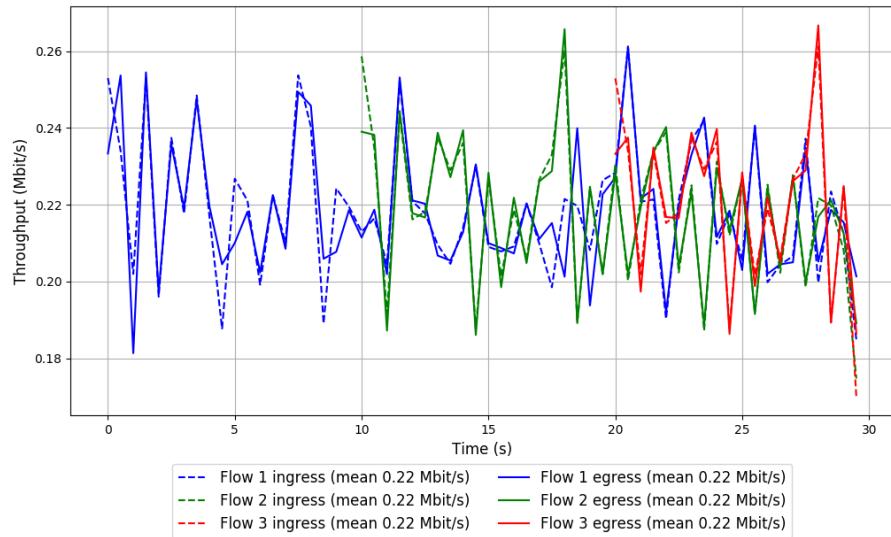


```
Run 1: Statistics of SCReAM

Start at: 2018-01-02 10:58:26
End at: 2018-01-02 10:58:56
Local clock offset: 0.746 ms
Remote clock offset: 0.448 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.820 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.150 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.847 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.115 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

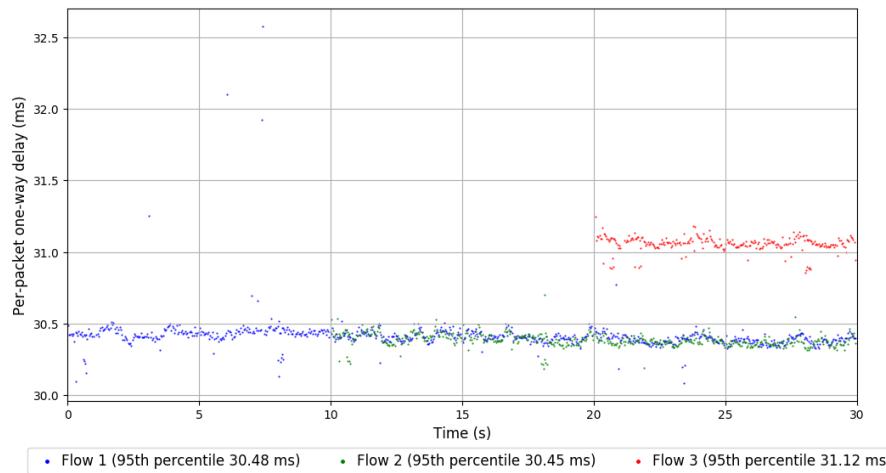
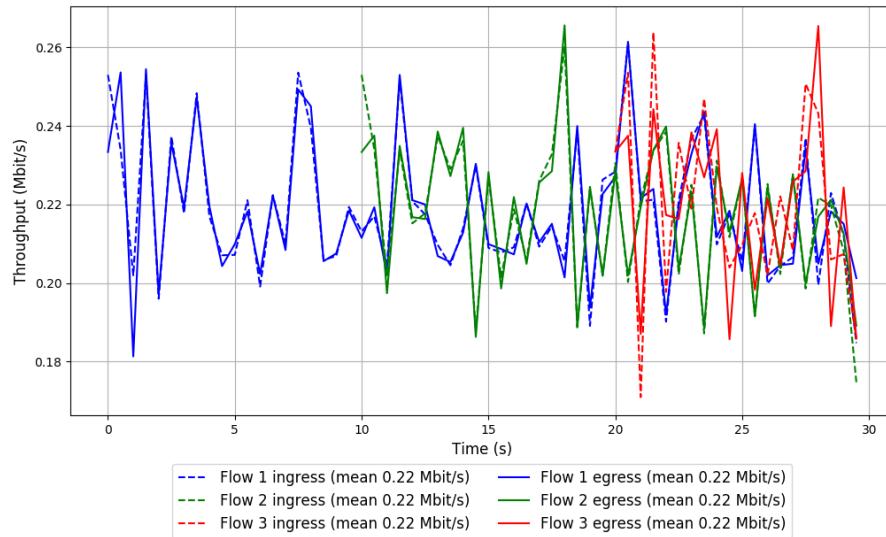


Run 2: Statistics of SCReAM

```
Start at: 2018-01-02 11:19:19
End at: 2018-01-02 11:19:49
Local clock offset: 0.866 ms
Remote clock offset: 0.38 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.085 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.476 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.453 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.120 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

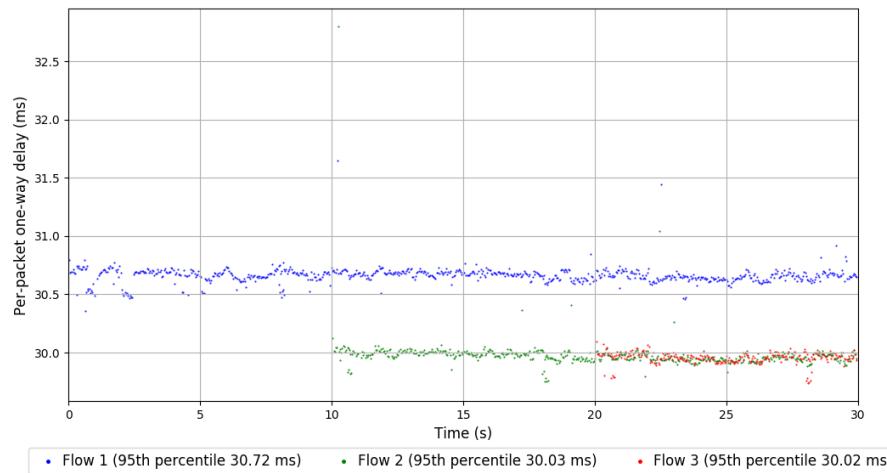
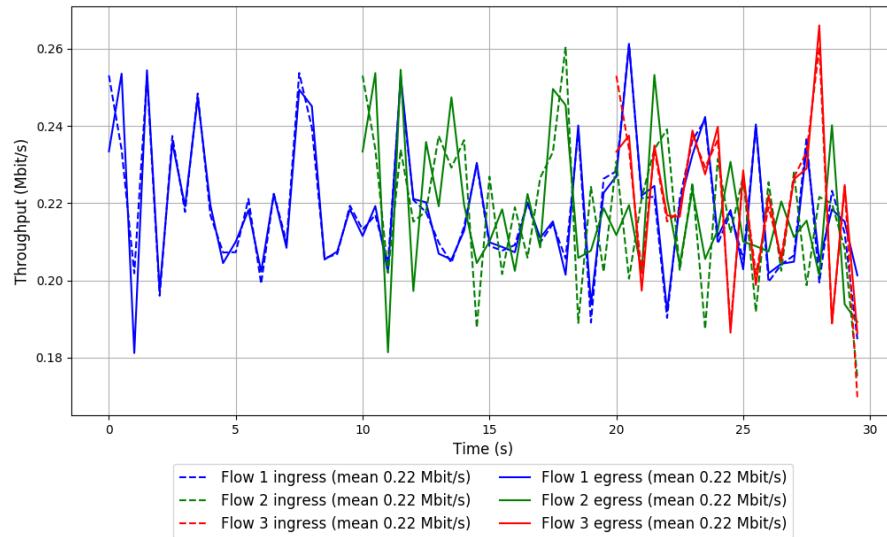


Run 3: Statistics of SCReAM

```
Start at: 2018-01-02 11:40:21
End at: 2018-01-02 11:40:51
Local clock offset: 0.996 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.712 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.724 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.028 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.016 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

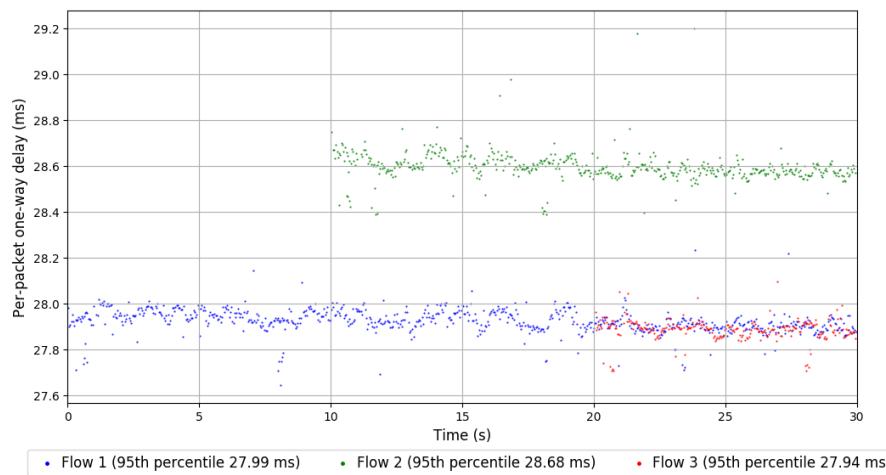
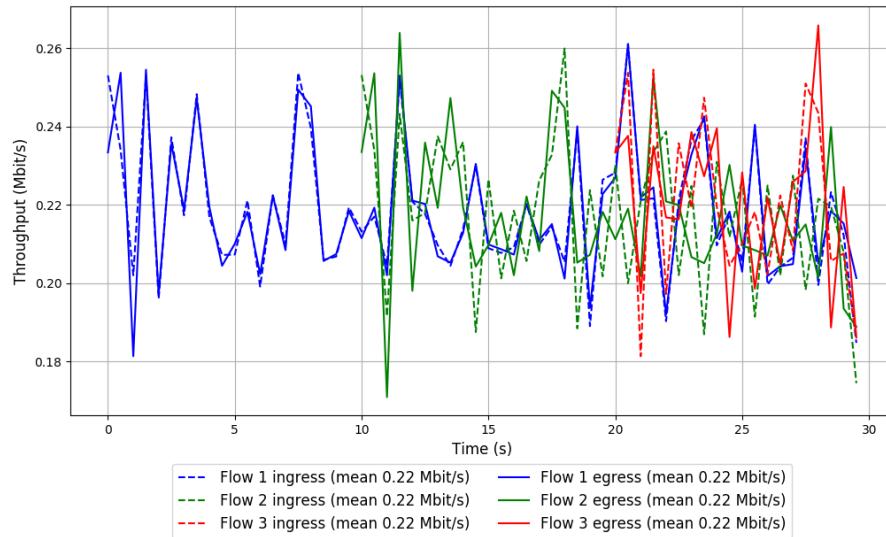


Run 4: Statistics of SCReAM

```
Start at: 2018-01-02 12:01:13
End at: 2018-01-02 12:01:43
Local clock offset: 0.905 ms
Remote clock offset: -2.056 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.644 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.994 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.677 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.942 ms
Loss rate: 0.00%
```

## Run 4: Report of SCReAM — Data Link

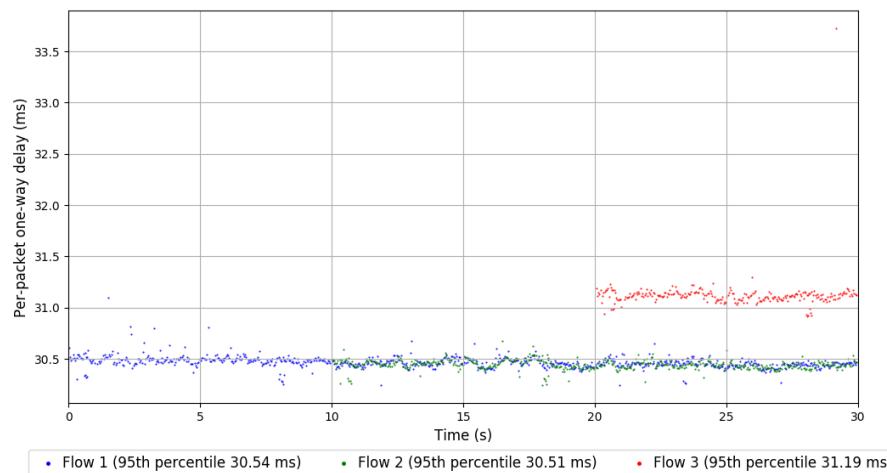
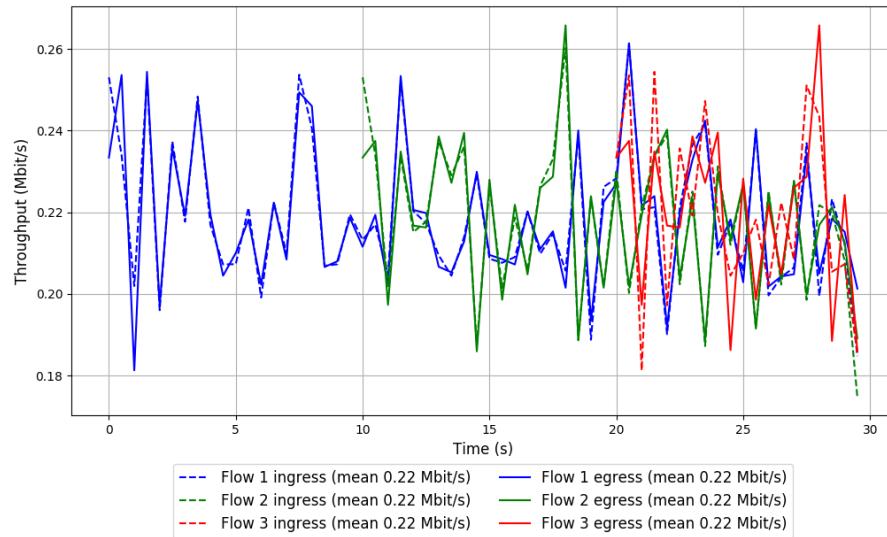


Run 5: Statistics of SCReAM

```
Start at: 2018-01-02 12:22:14
End at: 2018-01-02 12:22:44
Local clock offset: 0.865 ms
Remote clock offset: 0.26 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.136 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.540 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.511 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.188 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

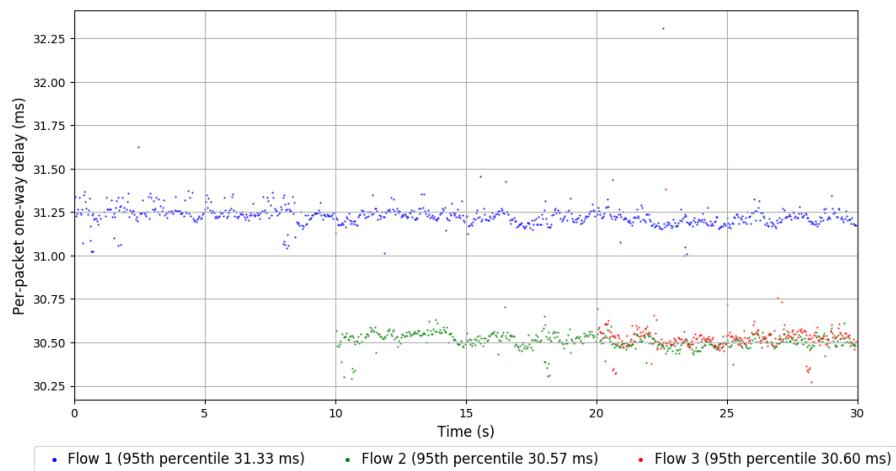
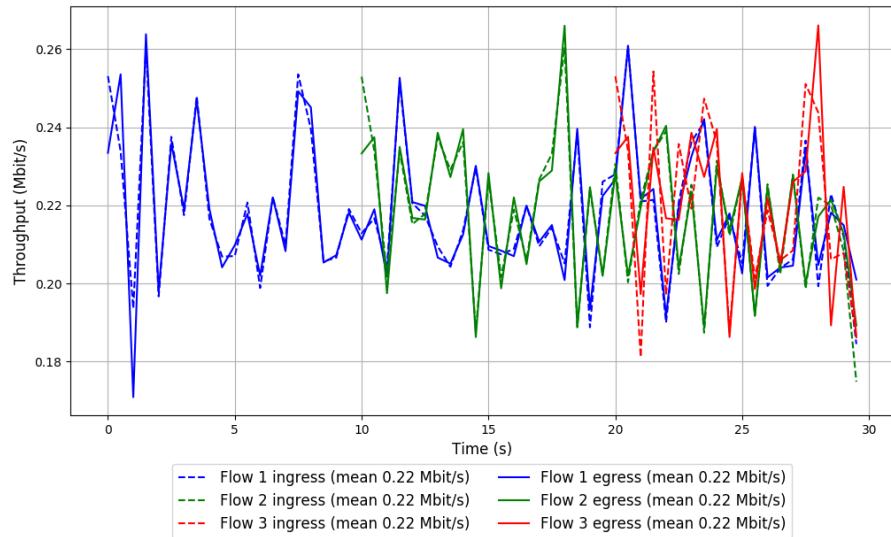


Run 6: Statistics of SCReAM

```
Start at: 2018-01-02 12:43:01
End at: 2018-01-02 12:43:31
Local clock offset: 0.845 ms
Remote clock offset: 0.169 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 31.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 31.330 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.573 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.604 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

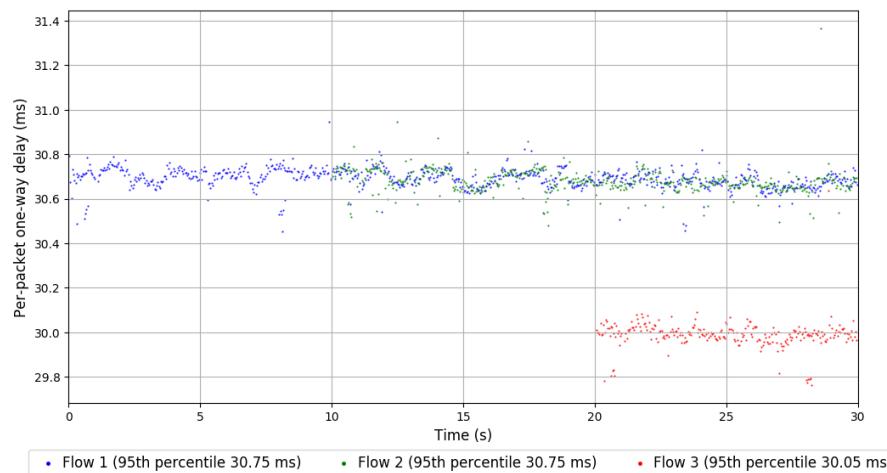
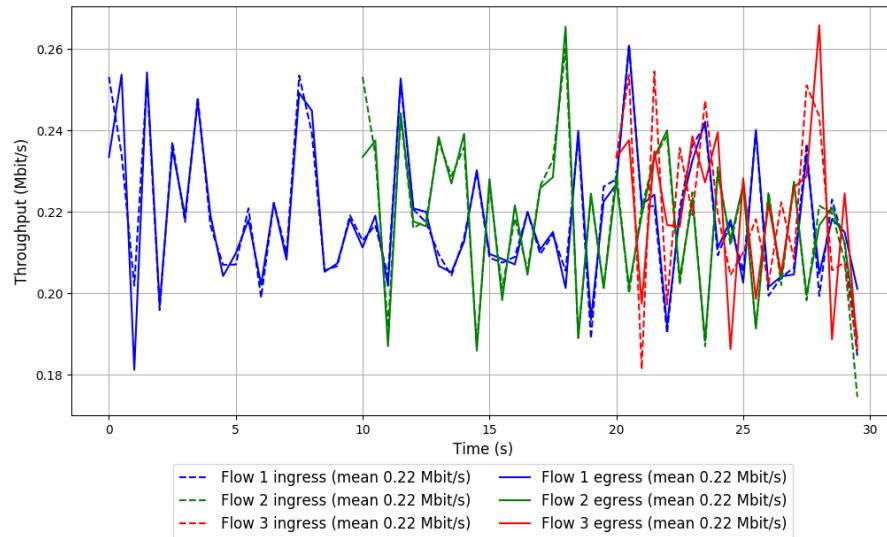


Run 7: Statistics of SCReAM

```
Start at: 2018-01-02 13:03:33
End at: 2018-01-02 13:04:03
Local clock offset: 0.867 ms
Remote clock offset: -1.027 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.748 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.752 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.747 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.055 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

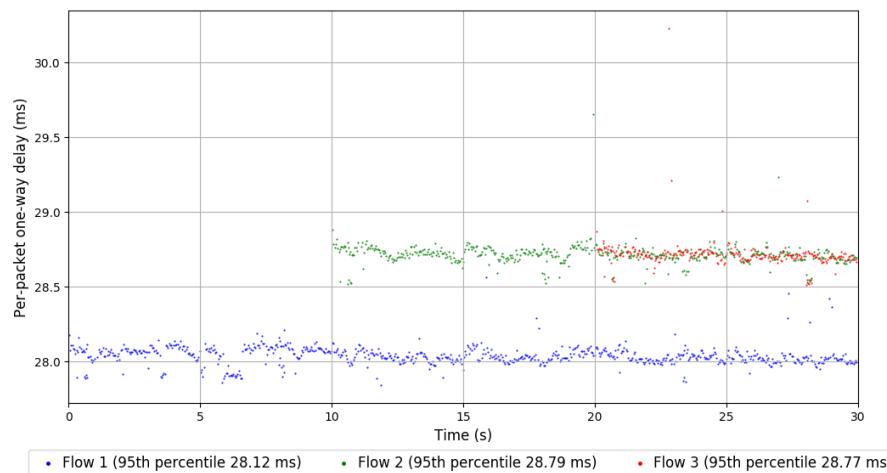
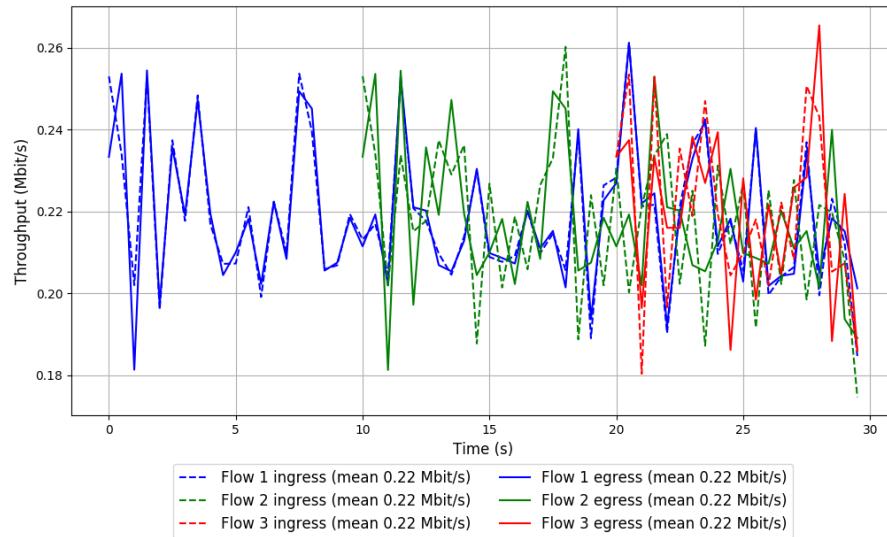


Run 8: Statistics of SCReAM

```
Start at: 2018-01-02 13:24:16
End at: 2018-01-02 13:24:46
Local clock offset: 0.845 ms
Remote clock offset: -2.942 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 28.766 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.117 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.785 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.768 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

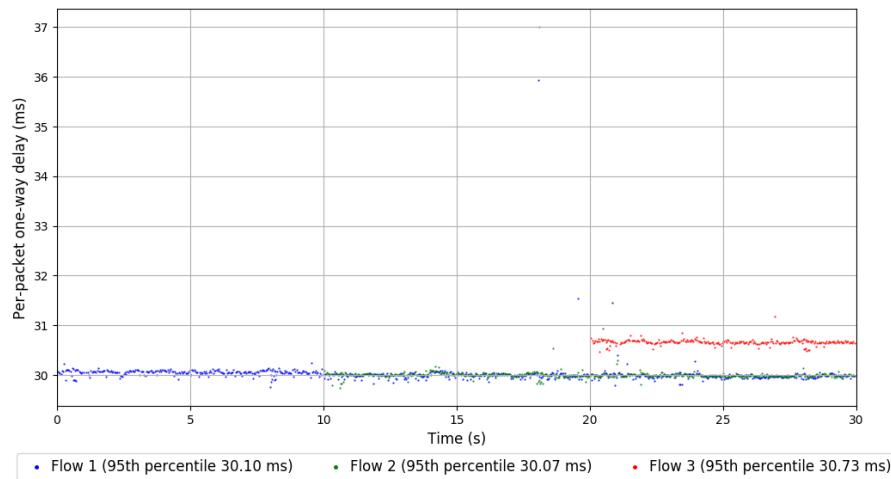
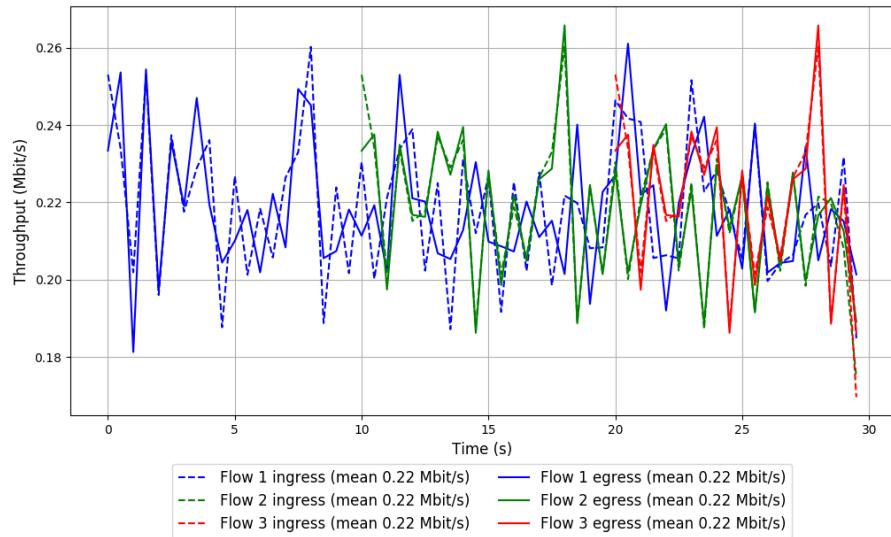


Run 9: Statistics of SCReAM

```
Start at: 2018-01-02 13:44:56
End at: 2018-01-02 13:45:26
Local clock offset: 0.628 ms
Remote clock offset: -0.666 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.686 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.104 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.067 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.729 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

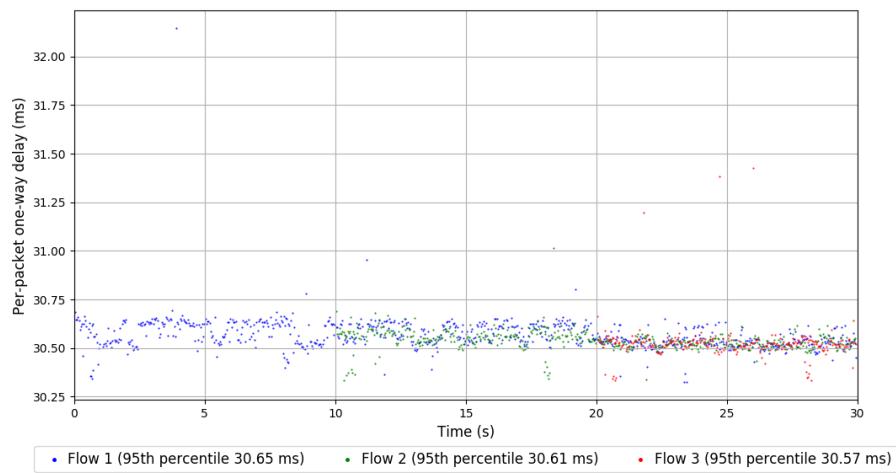
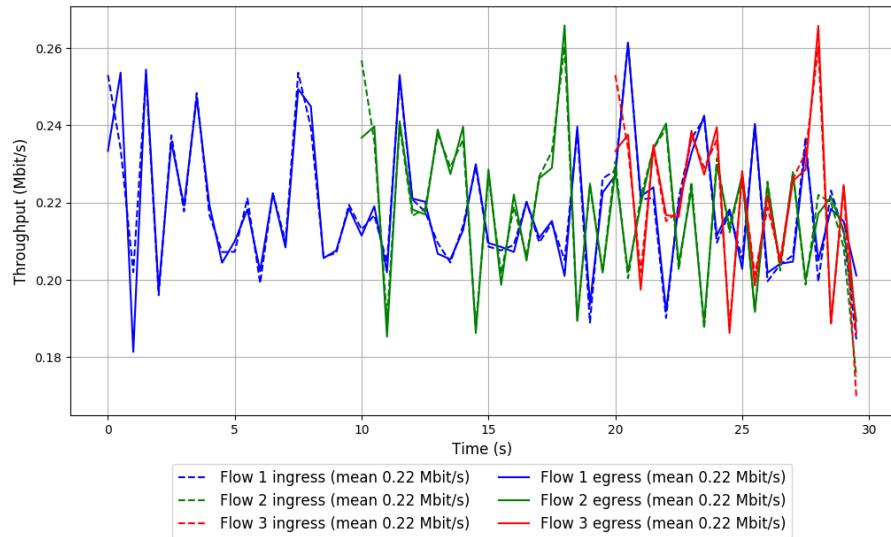


Run 10: Statistics of SCReAM

```
Start at: 2018-01-02 14:06:03
End at: 2018-01-02 14:06:33
Local clock offset: 0.415 ms
Remote clock offset: -0.128 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 30.641 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.648 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.610 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 30.566 ms
Loss rate: 0.00%
```

## Run 10: Report of SCReAM — Data Link

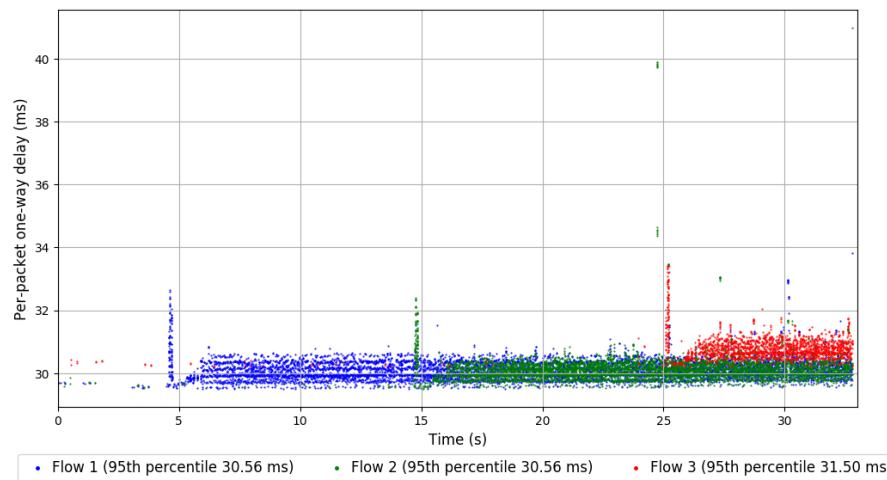
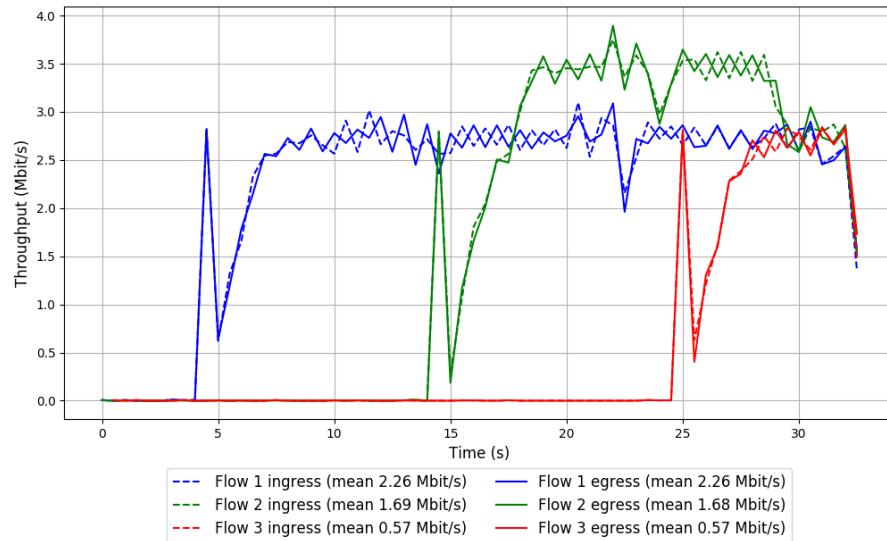


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-02 10:55:48
End at: 2018-01-02 10:56:18
Local clock offset: 0.826 ms
Remote clock offset: 0.41 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 30.950 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 30.558 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 30.557 ms
Loss rate: 0.04%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 31.504 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

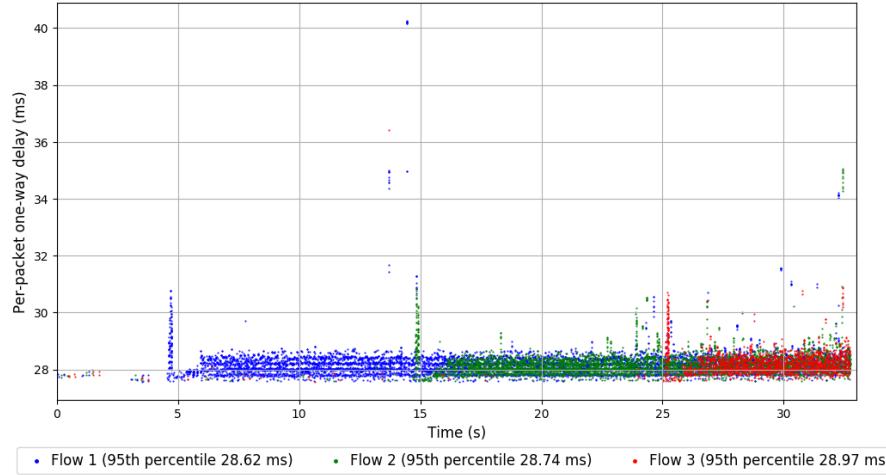
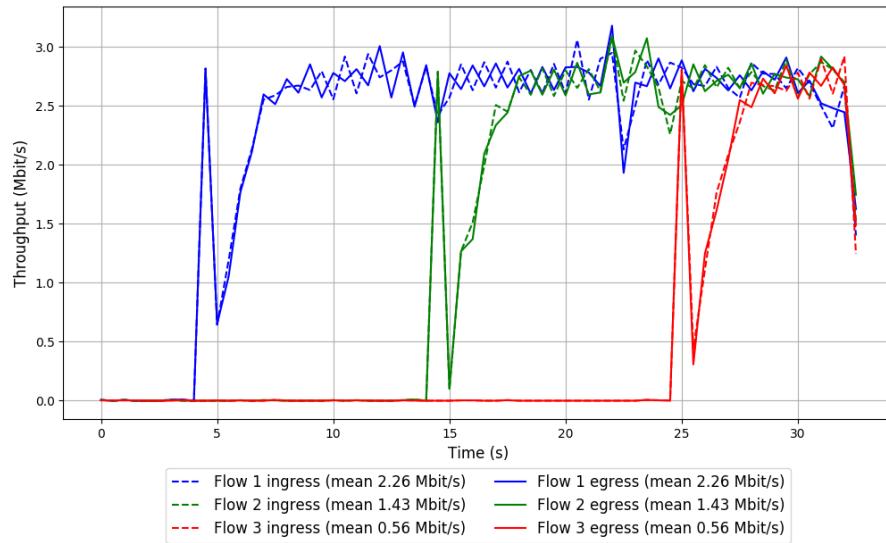


Run 2: Statistics of WebRTC media

```
Start at: 2018-01-02 11:16:40
End at: 2018-01-02 11:17:10
Local clock offset: 0.867 ms
Remote clock offset: -2.093 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 28.678 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 28.620 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 28.743 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.56 Mbit/s
95th percentile per-packet one-way delay: 28.968 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

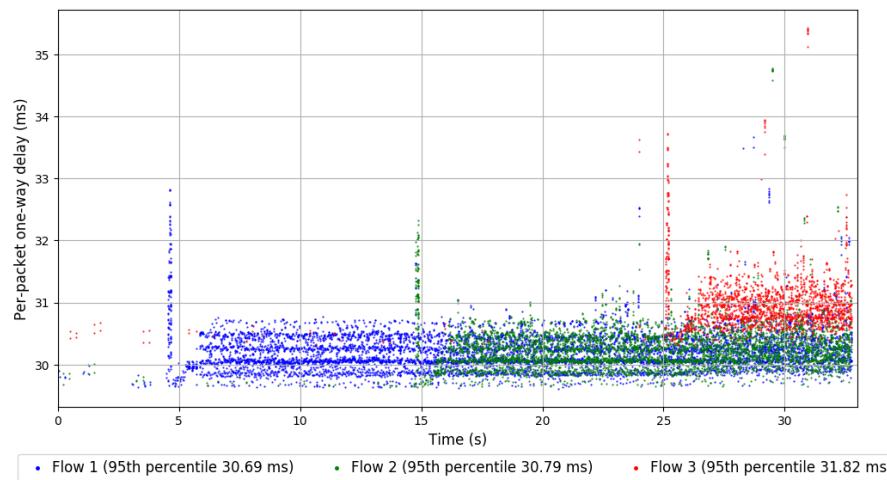
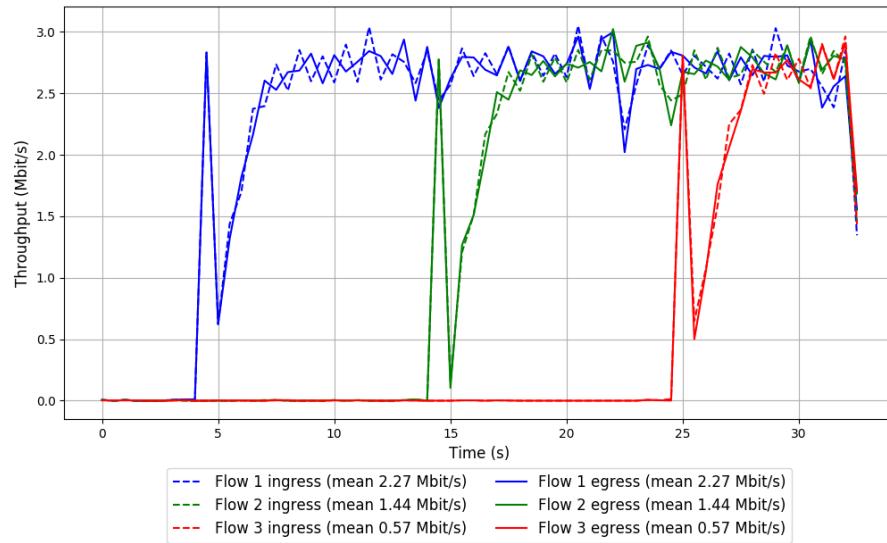


Run 3: Statistics of WebRTC media

```
Start at: 2018-01-02 11:37:39
End at: 2018-01-02 11:38:09
Local clock offset: 0.99 ms
Remote clock offset: 0.032 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 31.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 30.687 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 30.785 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 31.821 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

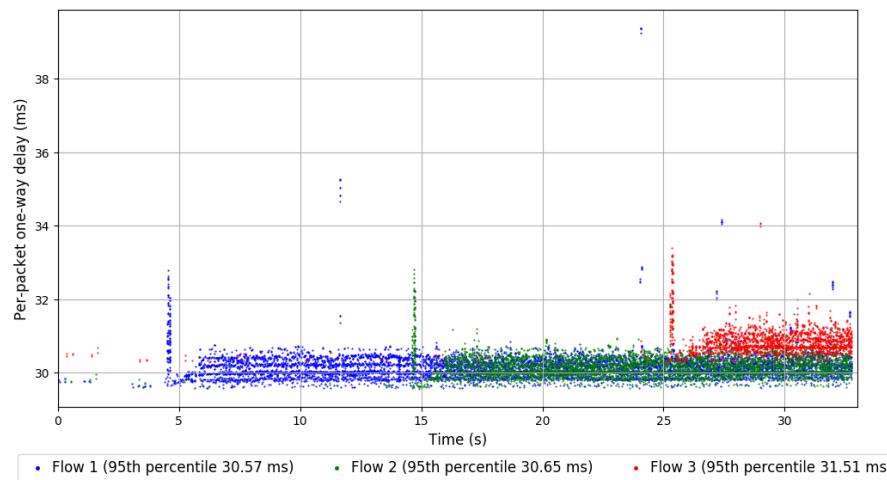
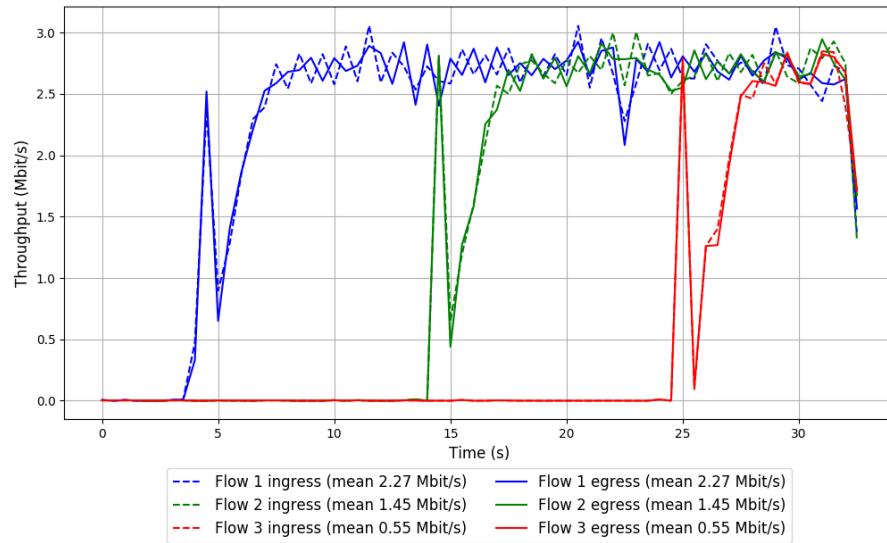


Run 4: Statistics of WebRTC media

```
Start at: 2018-01-02 11:58:34
End at: 2018-01-02 11:59:04
Local clock offset: 1.003 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 31.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 30.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 30.654 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 31.511 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

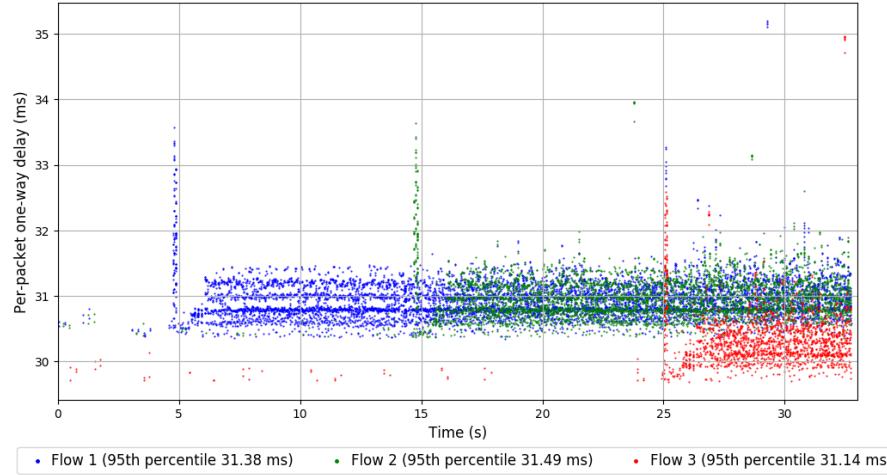
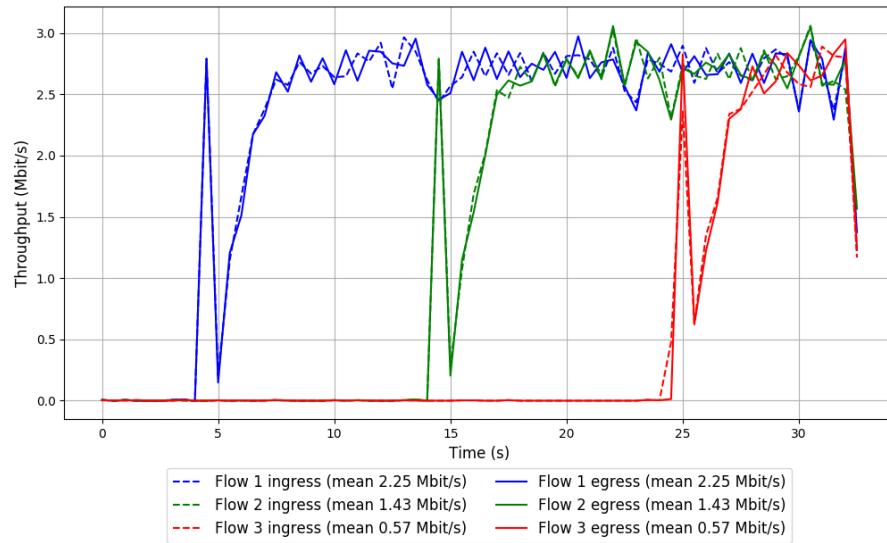


Run 5: Statistics of WebRTC media

```
Start at: 2018-01-02 12:19:31
End at: 2018-01-02 12:20:01
Local clock offset: 0.874 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.23 Mbit/s
95th percentile per-packet one-way delay: 31.407 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 31.379 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 31.486 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 31.136 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

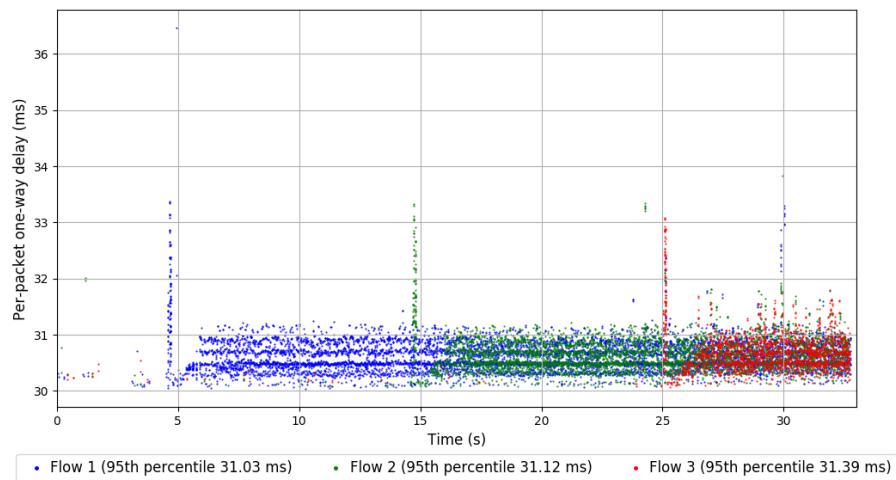
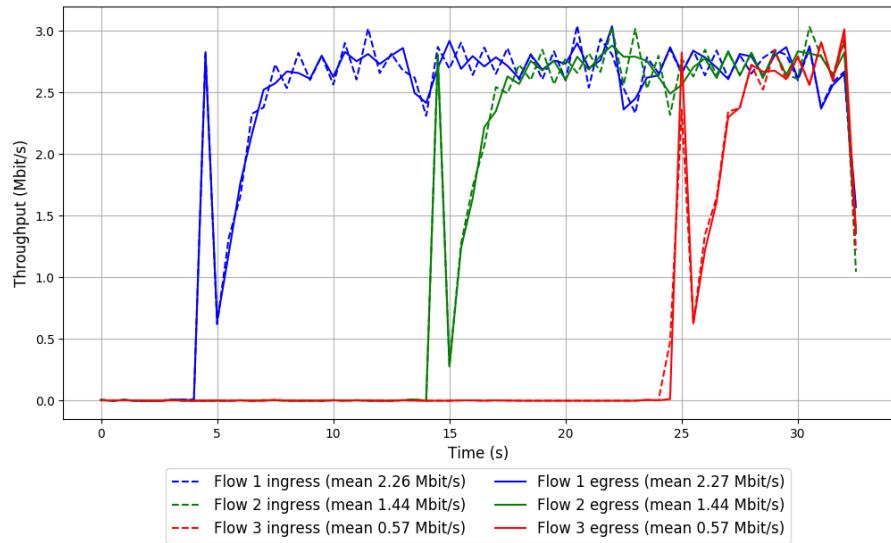


Run 6: Statistics of WebRTC media

```
Start at: 2018-01-02 12:40:22
End at: 2018-01-02 12:40:52
Local clock offset: 0.768 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.26 Mbit/s
95th percentile per-packet one-way delay: 31.096 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 31.027 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 31.121 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 31.393 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

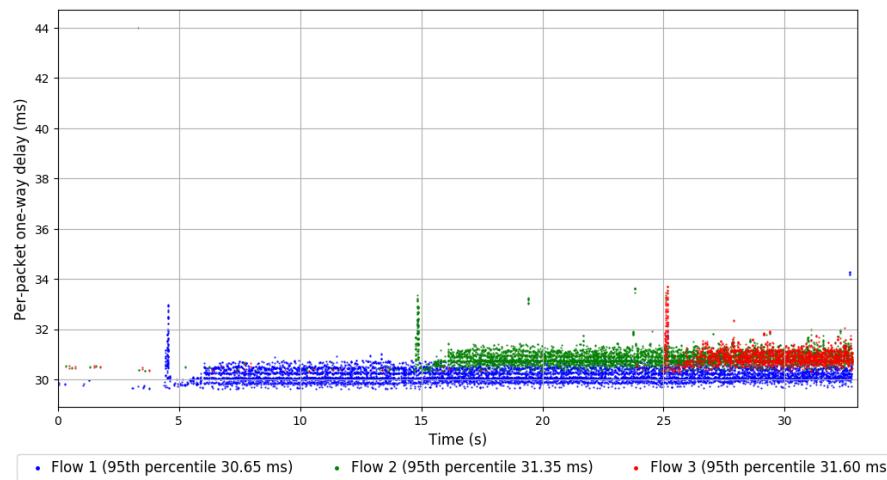
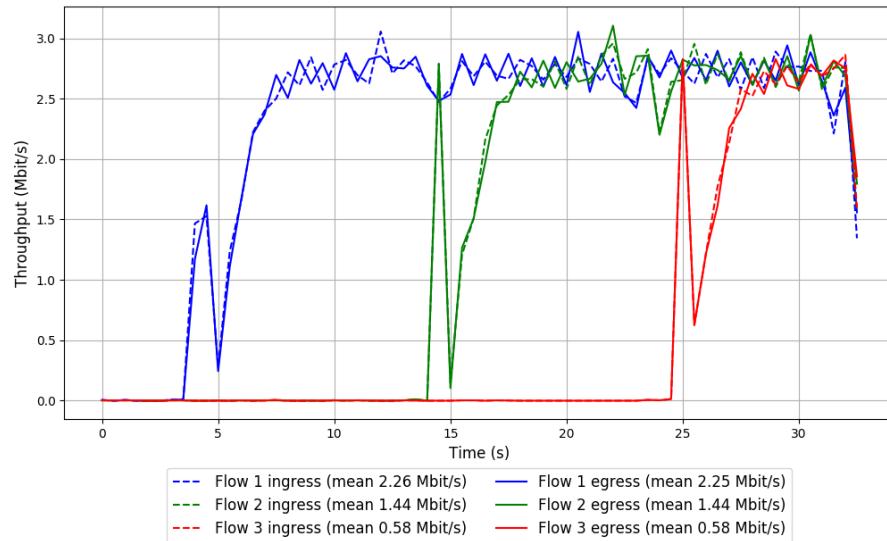


Run 7: Statistics of WebRTC media

```
Start at: 2018-01-02 13:00:54
End at: 2018-01-02 13:01:24
Local clock offset: 0.932 ms
Remote clock offset: -0.944 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 31.241 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 30.646 ms
Loss rate: 0.13%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 31.346 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 31.600 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

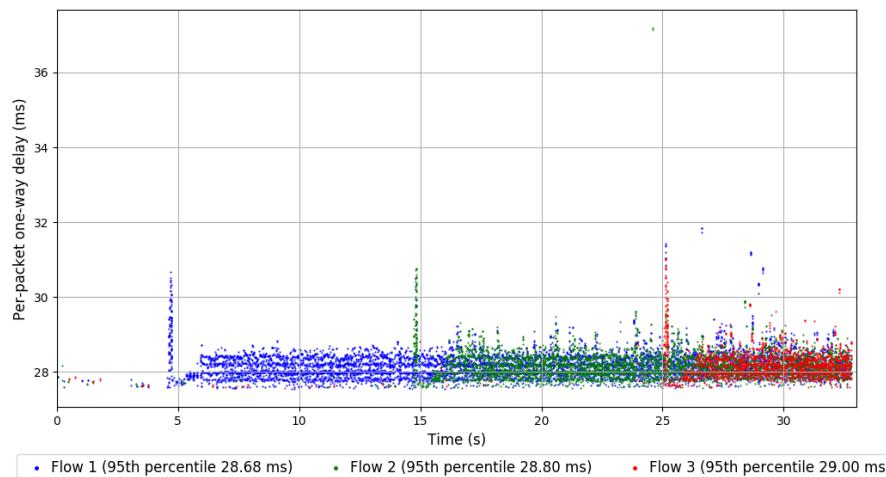
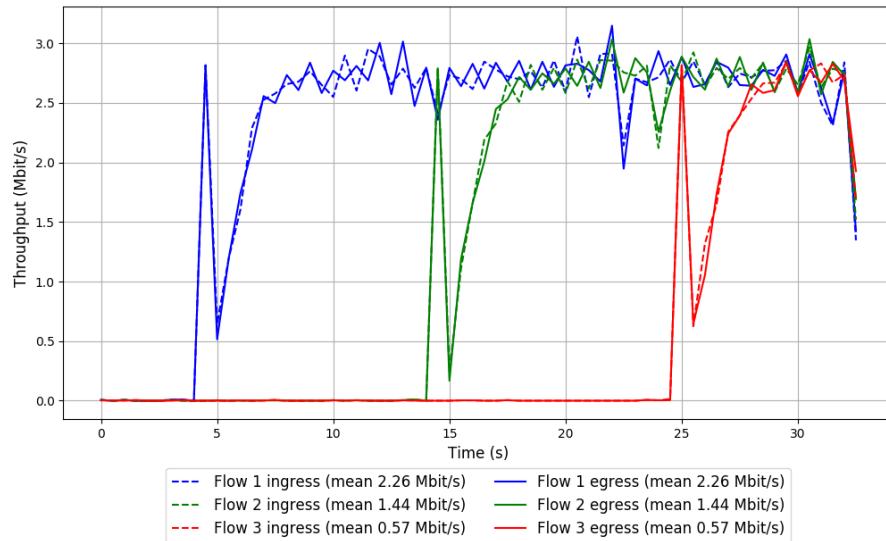


Run 8: Statistics of WebRTC media

```
Start at: 2018-01-02 13:21:37
End at: 2018-01-02 13:22:07
Local clock offset: 0.845 ms
Remote clock offset: -3.146 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.25 Mbit/s
95th percentile per-packet one-way delay: 28.758 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 28.677 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 28.798 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.57 Mbit/s
95th percentile per-packet one-way delay: 28.995 ms
Loss rate: 0.05%
```

Run 8: Report of WebRTC media — Data Link

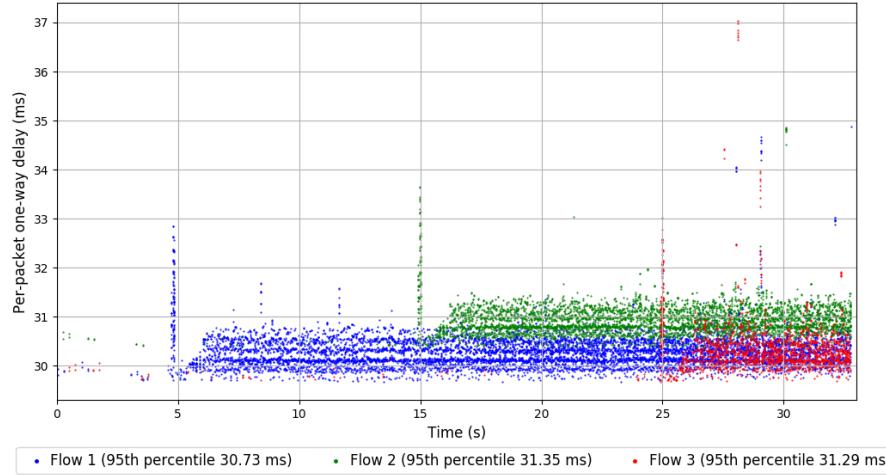
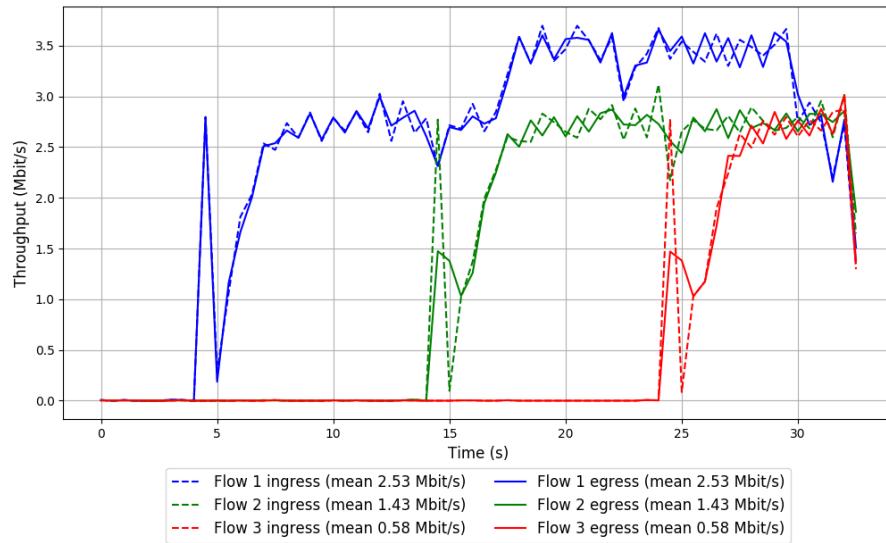


Run 9: Statistics of WebRTC media

```
Start at: 2018-01-02 13:42:16
End at: 2018-01-02 13:42:46
Local clock offset: 0.676 ms
Remote clock offset: -0.692 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 31.234 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 30.729 ms
Loss rate: 0.12%
-- Flow 2:
Average throughput: 1.43 Mbit/s
95th percentile per-packet one-way delay: 31.352 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 31.285 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

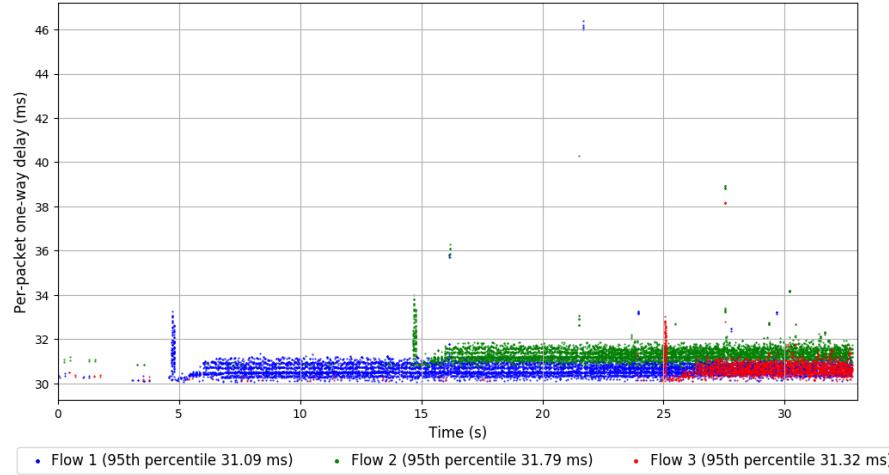
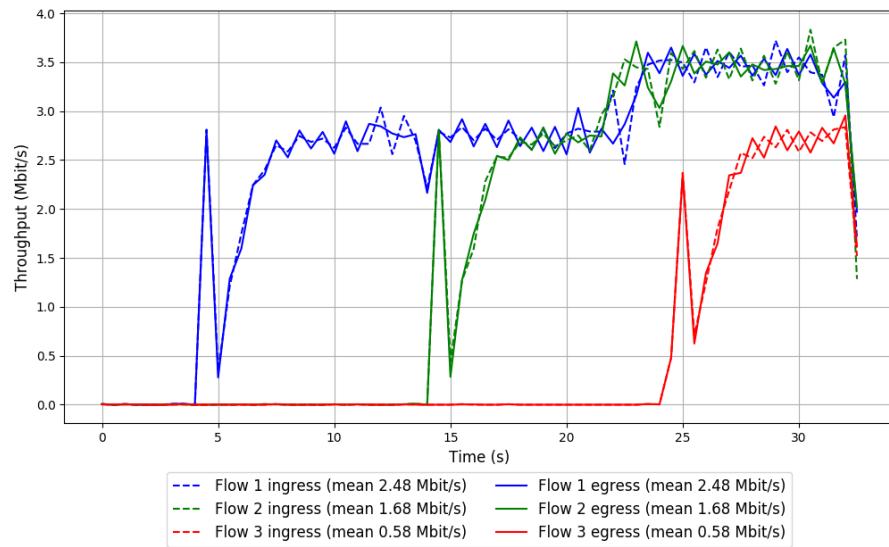


```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-01-02 14:03:22
End at: 2018-01-02 14:03:52
Local clock offset: 0.459 ms
Remote clock offset: -0.133 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.71 Mbit/s
95th percentile per-packet one-way delay: 31.631 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 31.093 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 31.789 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 31.324 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

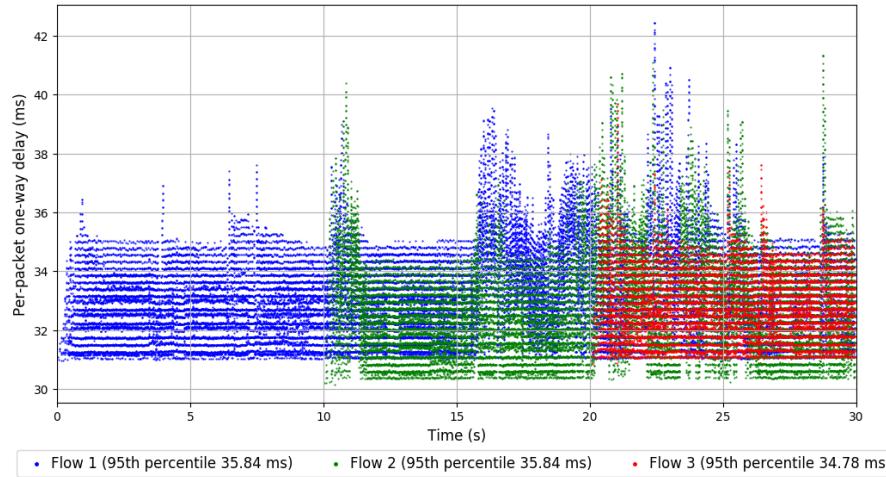
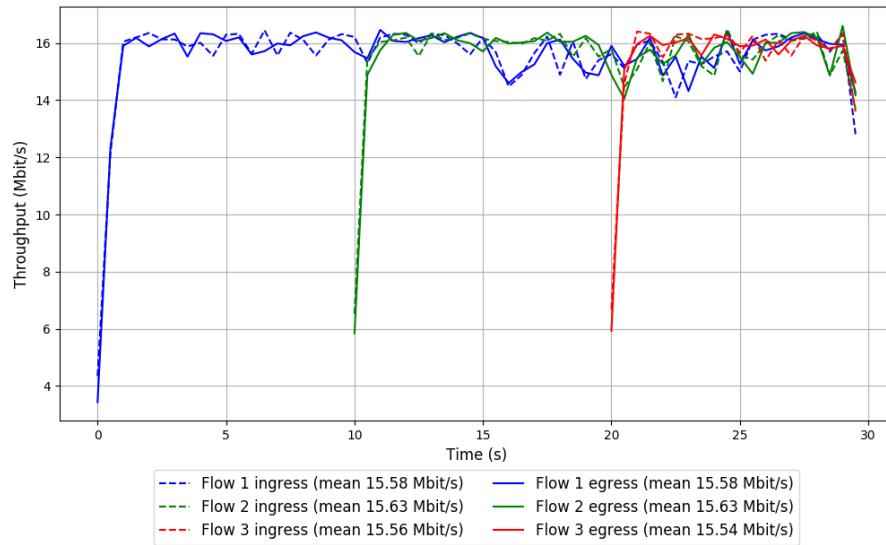


Run 1: Statistics of Sprout

```
Start at: 2018-01-02 10:51:39
End at: 2018-01-02 10:52:09
Local clock offset: 0.705 ms
Remote clock offset: 1.11 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.11 Mbit/s
95th percentile per-packet one-way delay: 35.680 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 35.842 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 35.835 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.54 Mbit/s
95th percentile per-packet one-way delay: 34.777 ms
Loss rate: 0.08%
```

Run 1: Report of Sprout — Data Link

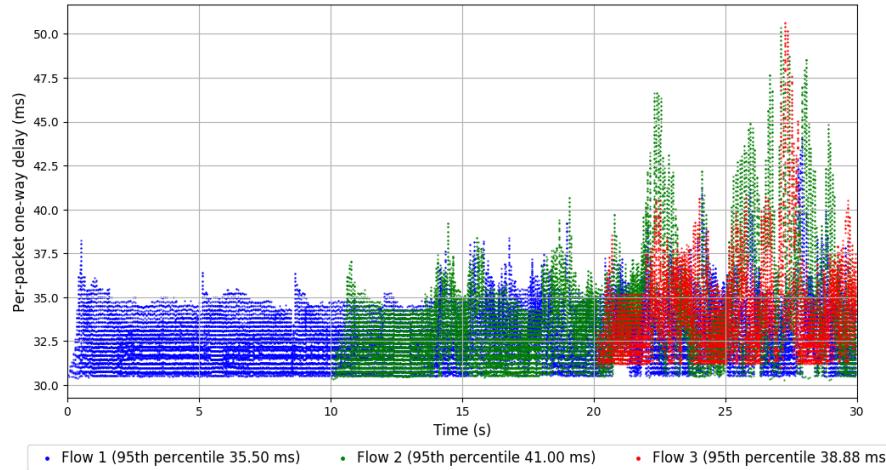
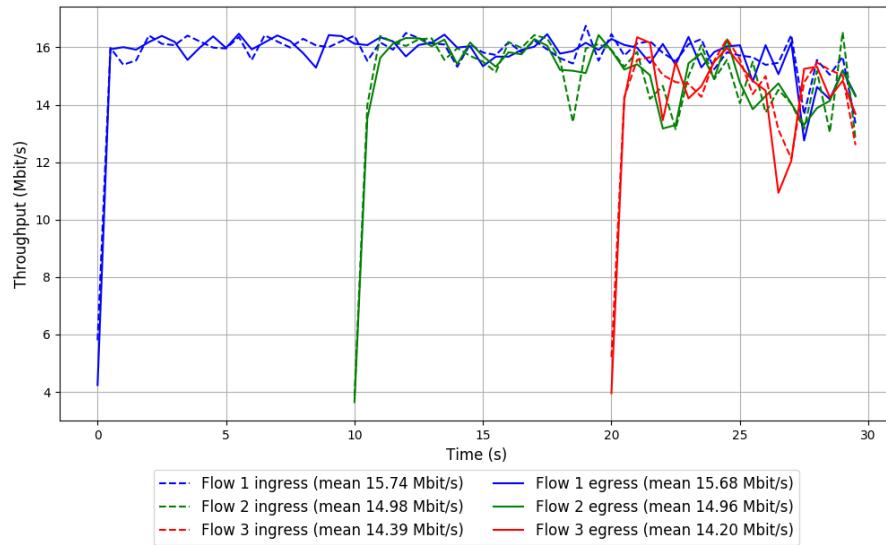


Run 2: Statistics of Sprout

```
Start at: 2018-01-02 11:12:34
End at: 2018-01-02 11:13:04
Local clock offset: 0.846 ms
Remote clock offset: 0.663 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.32 Mbit/s
95th percentile per-packet one-way delay: 38.109 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 35.499 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 14.96 Mbit/s
95th percentile per-packet one-way delay: 41.000 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 14.20 Mbit/s
95th percentile per-packet one-way delay: 38.882 ms
Loss rate: 1.28%
```

Run 2: Report of Sprout — Data Link

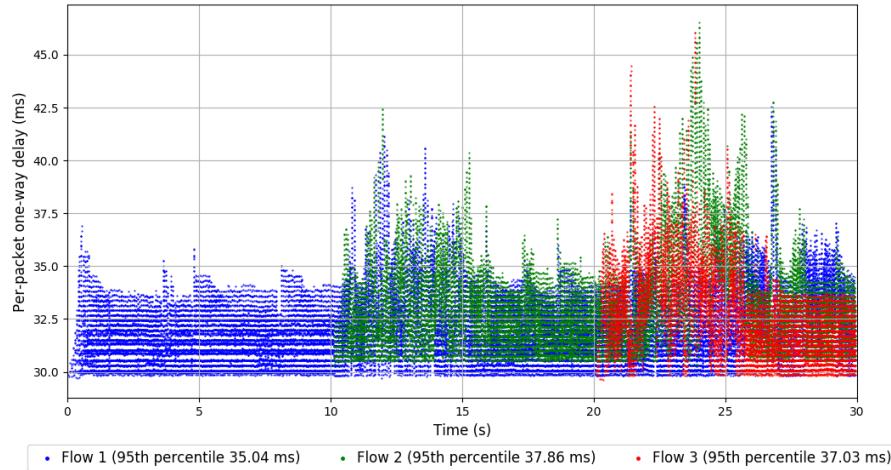
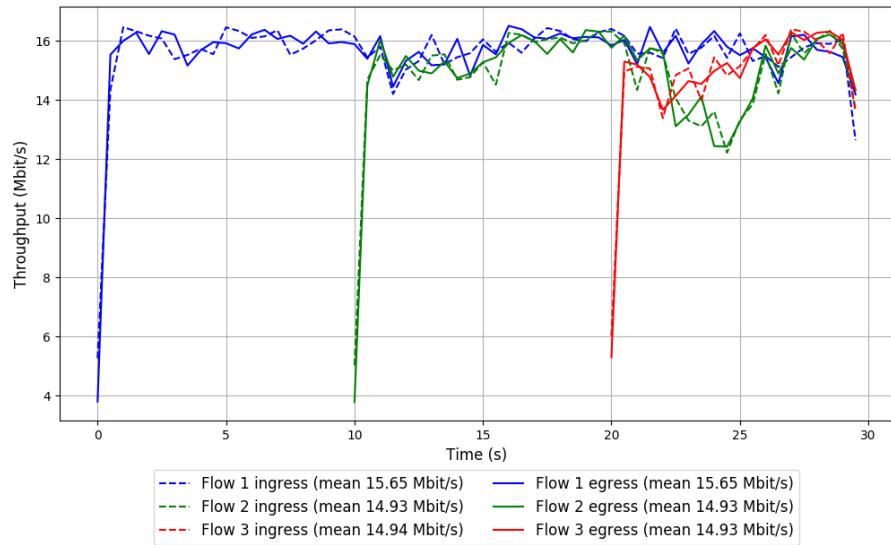


Run 3: Statistics of Sprout

```
Start at: 2018-01-02 11:33:28
End at: 2018-01-02 11:33:58
Local clock offset: 0.902 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 36.522 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.65 Mbit/s
95th percentile per-packet one-way delay: 35.038 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 37.860 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.93 Mbit/s
95th percentile per-packet one-way delay: 37.028 ms
Loss rate: 0.00%
```

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

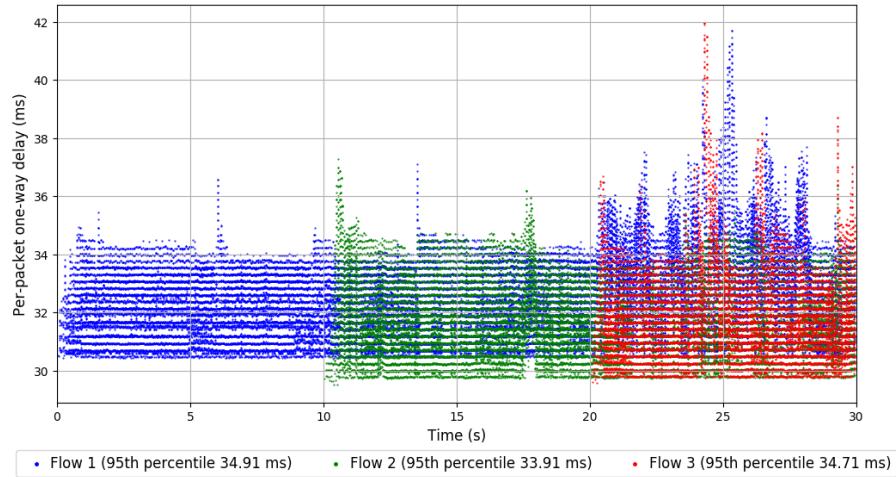
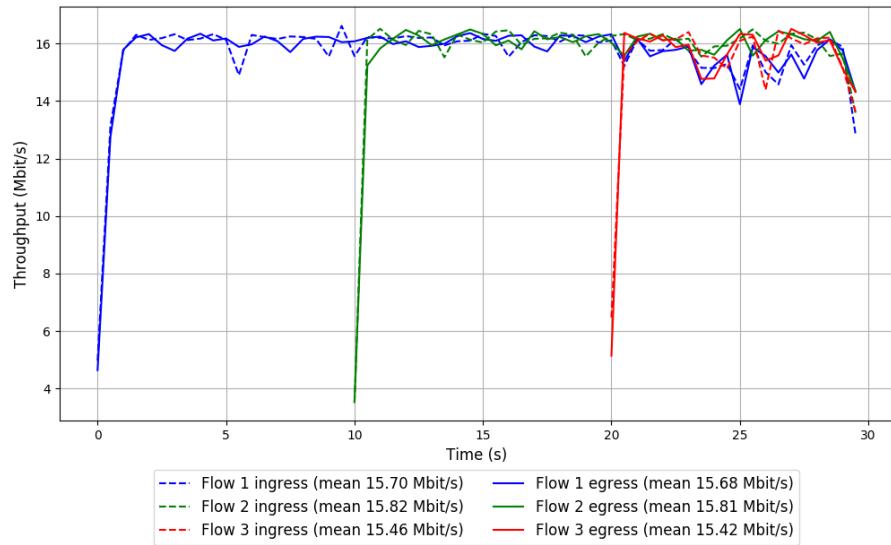


Run 4: Statistics of Sprout

```
Start at: 2018-01-02 11:54:29
End at: 2018-01-02 11:54:59
Local clock offset: 0.963 ms
Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.29 Mbit/s
95th percentile per-packet one-way delay: 34.487 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 34.910 ms
Loss rate: 0.07%
-- Flow 2:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 33.908 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 15.42 Mbit/s
95th percentile per-packet one-way delay: 34.714 ms
Loss rate: 0.26%
```

Run 4: Report of Sprout — Data Link

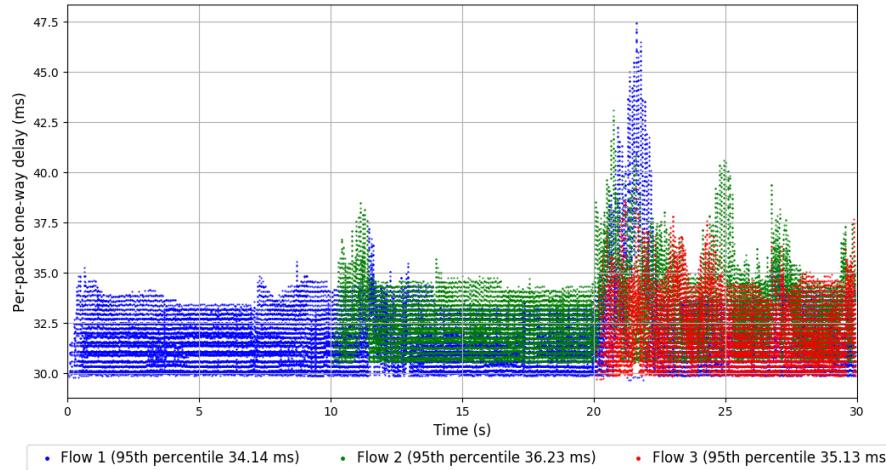
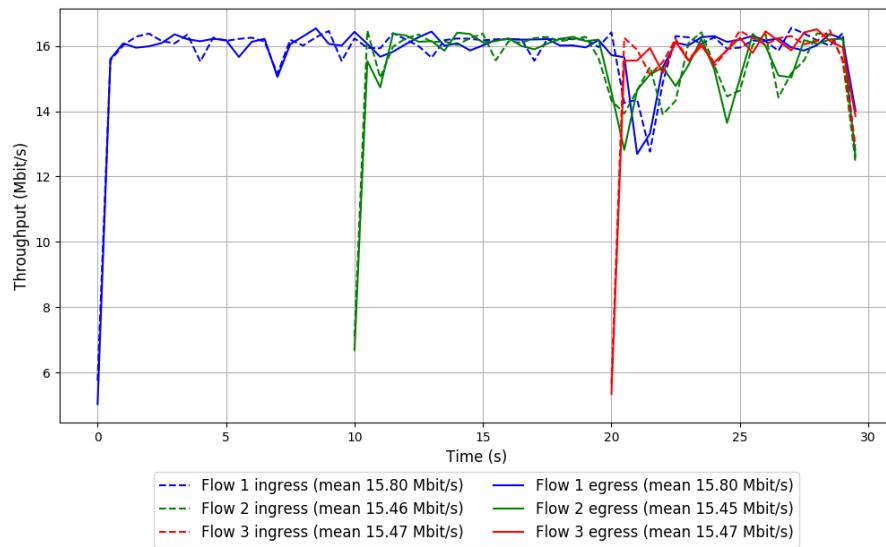


Run 5: Statistics of Sprout

```
Start at: 2018-01-02 12:15:22
End at: 2018-01-02 12:15:52
Local clock offset: 0.919 ms
Remote clock offset: -0.148 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.18 Mbit/s
95th percentile per-packet one-way delay: 35.443 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.80 Mbit/s
95th percentile per-packet one-way delay: 34.136 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.45 Mbit/s
95th percentile per-packet one-way delay: 36.235 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.47 Mbit/s
95th percentile per-packet one-way delay: 35.135 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

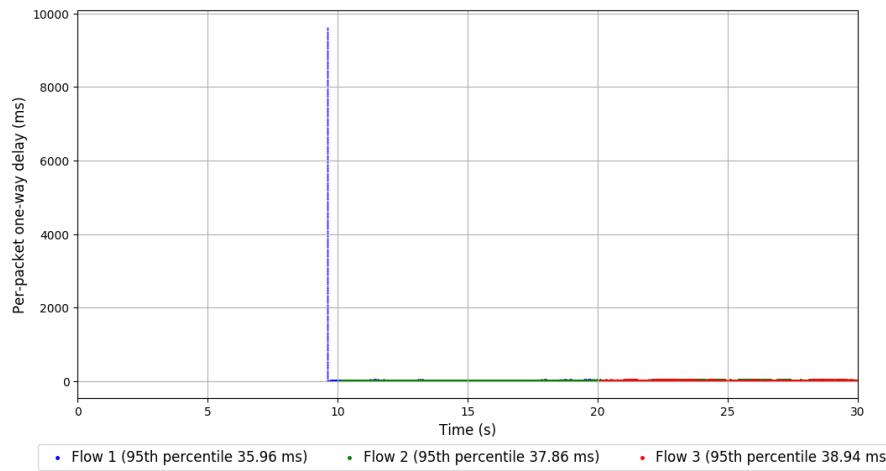
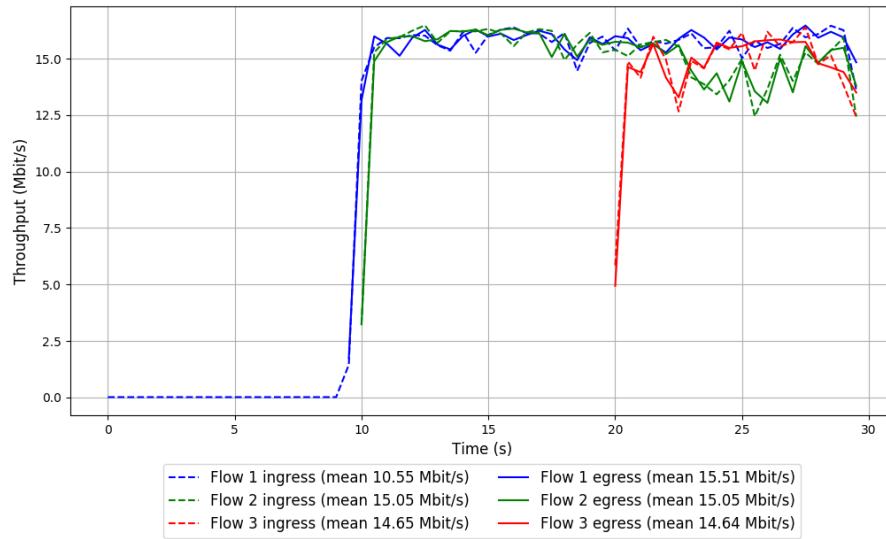
Start at: 2018-01-02 12:36:15

End at: 2018-01-02 12:36:45

Local clock offset: 0.789 ms

Remote clock offset: 0.196 ms

## Run 6: Report of Sprout — Data Link

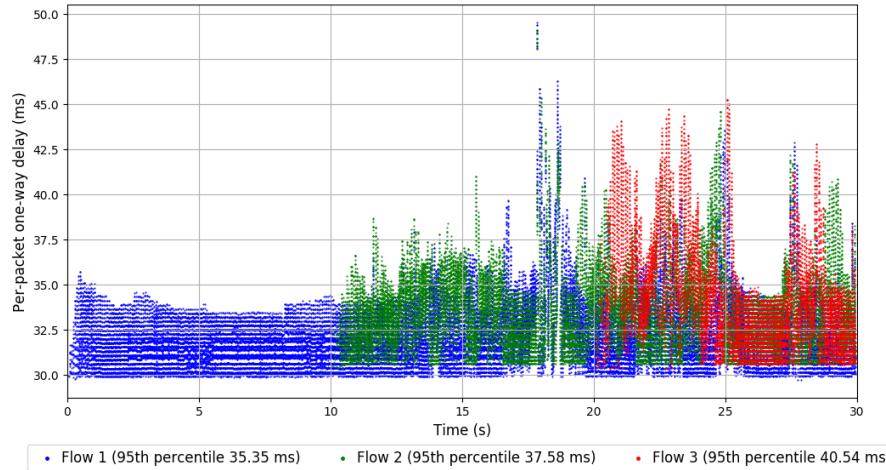
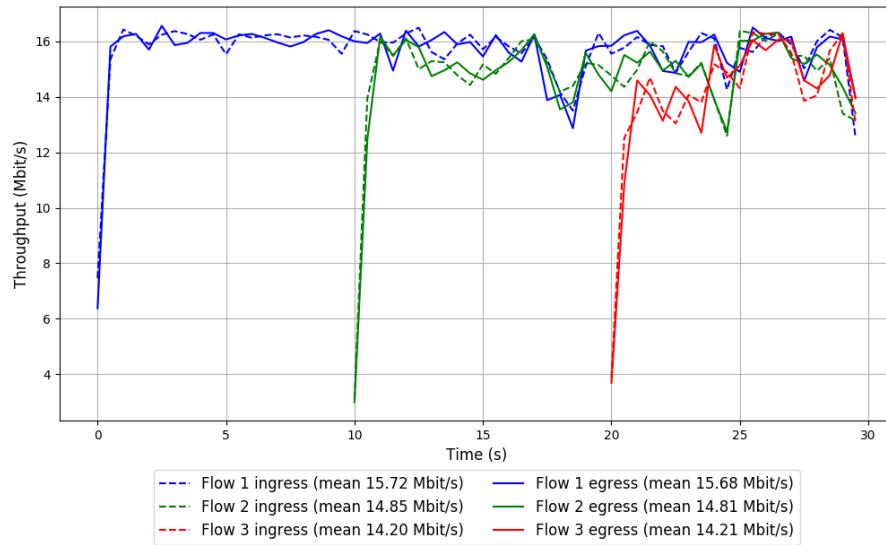


Run 7: Statistics of Sprout

```
Start at: 2018-01-02 12:56:48
End at: 2018-01-02 12:57:18
Local clock offset: 0.94 ms
Remote clock offset: -0.801 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.22 Mbit/s
95th percentile per-packet one-way delay: 37.611 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 35.355 ms
Loss rate: 0.26%
-- Flow 2:
Average throughput: 14.81 Mbit/s
95th percentile per-packet one-way delay: 37.580 ms
Loss rate: 0.27%
-- Flow 3:
Average throughput: 14.21 Mbit/s
95th percentile per-packet one-way delay: 40.542 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

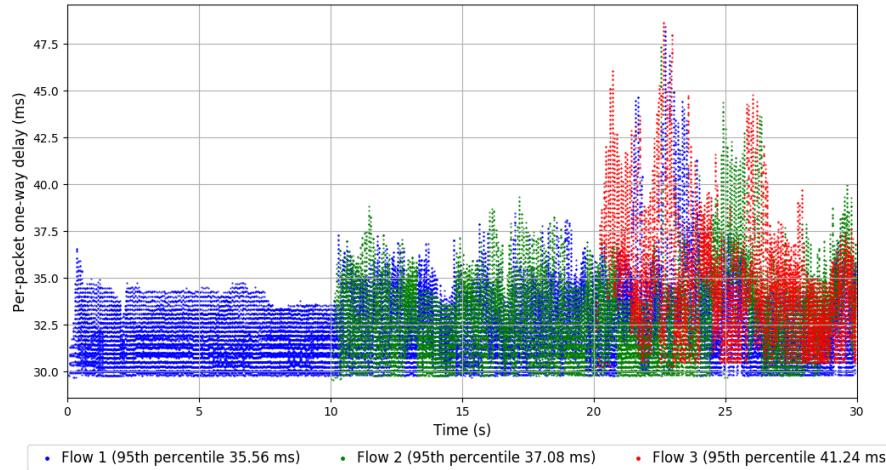
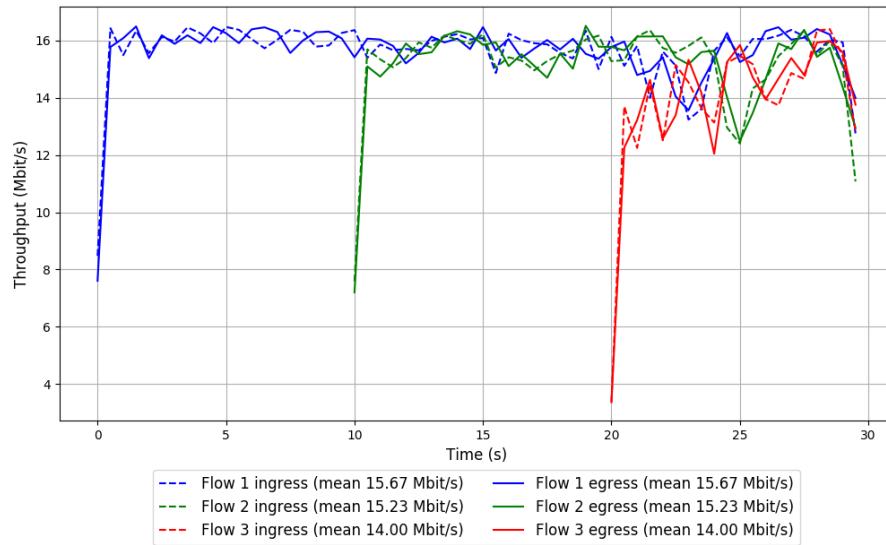


Run 8: Statistics of Sprout

```
Start at: 2018-01-02 13:17:30
End at: 2018-01-02 13:18:00
Local clock offset: 0.963 ms
Remote clock offset: -1.089 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 37.469 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.67 Mbit/s
95th percentile per-packet one-way delay: 35.565 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.23 Mbit/s
95th percentile per-packet one-way delay: 37.080 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 14.00 Mbit/s
95th percentile per-packet one-way delay: 41.236 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

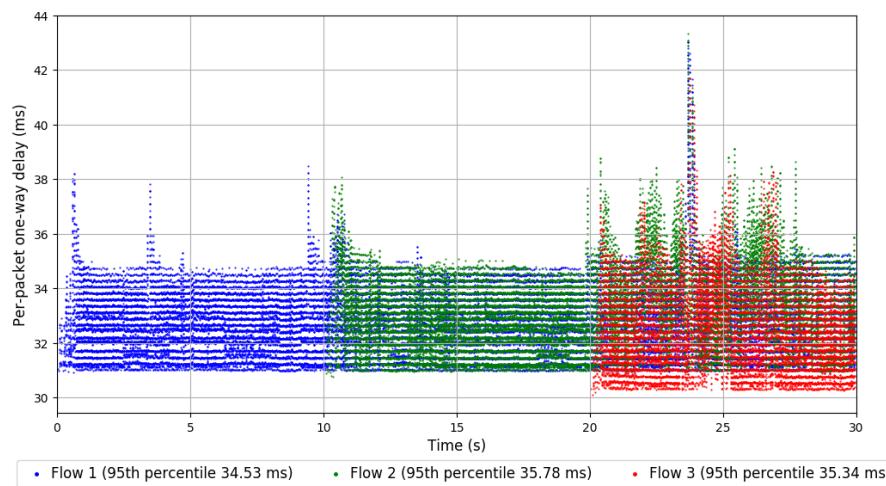
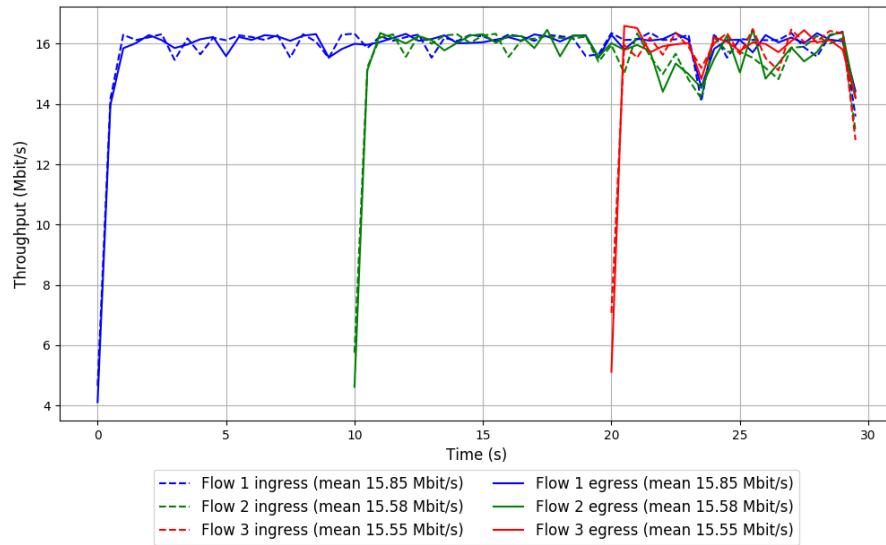


Run 9: Statistics of Sprout

```
Start at: 2018-01-02 13:38:11
End at: 2018-01-02 13:38:41
Local clock offset: 0.749 ms
Remote clock offset: -0.388 ms

# Below is generated by plot.py at 2018-01-02 14:48:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 35.075 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.85 Mbit/s
95th percentile per-packet one-way delay: 34.527 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.58 Mbit/s
95th percentile per-packet one-way delay: 35.777 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.55 Mbit/s
95th percentile per-packet one-way delay: 35.345 ms
Loss rate: 0.00%
```

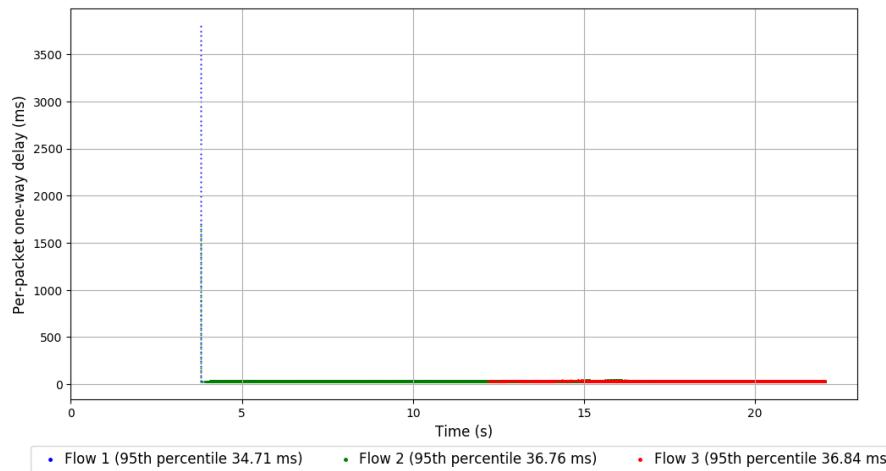
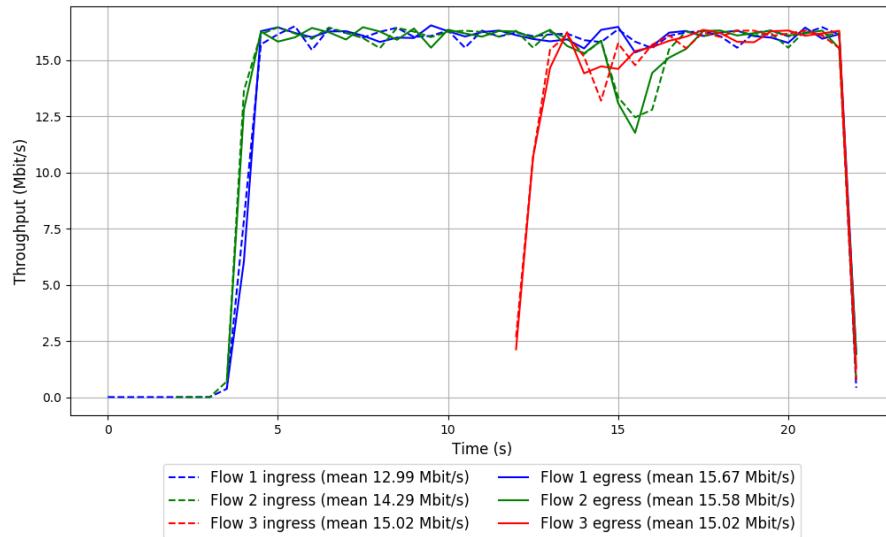
## Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-01-02 13:59:12  
End at: 2018-01-02 13:59:42  
Local clock offset: 0.44 ms  
Remote clock offset: -0.145 ms

## Run 10: Report of Sprout — Data Link

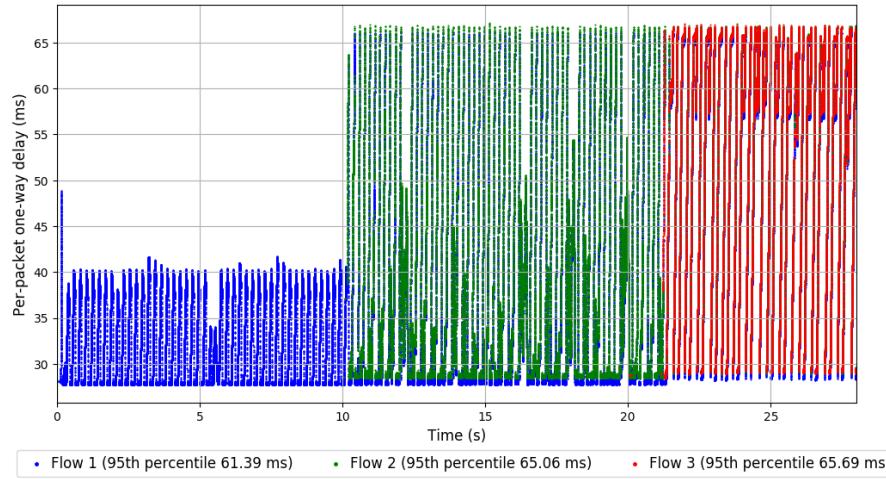
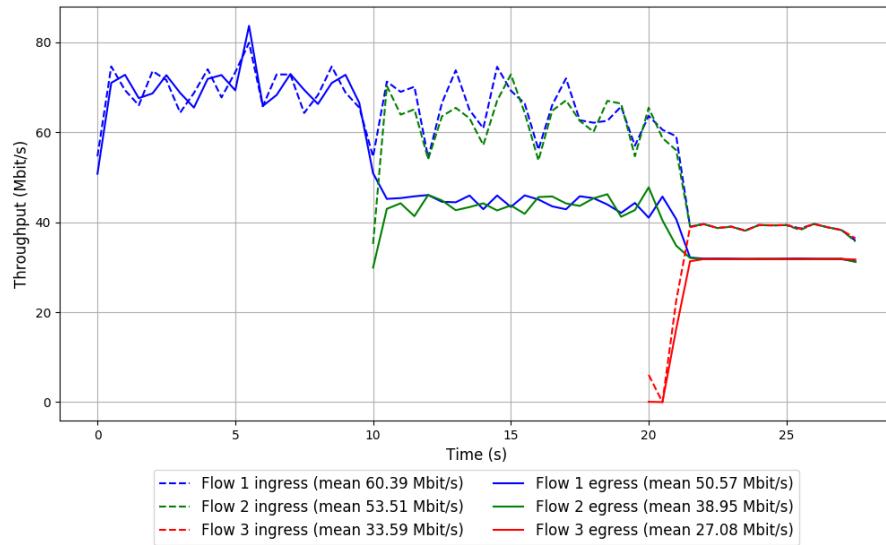


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-01-02 11:05:33
End at: 2018-01-02 11:06:03
Local clock offset: 0.802 ms
Remote clock offset: -1.967 ms

# Below is generated by plot.py at 2018-01-02 14:50:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.26 Mbit/s
95th percentile per-packet one-way delay: 64.155 ms
Loss rate: 20.15%
-- Flow 1:
Average throughput: 50.57 Mbit/s
95th percentile per-packet one-way delay: 61.393 ms
Loss rate: 16.25%
-- Flow 2:
Average throughput: 38.95 Mbit/s
95th percentile per-packet one-way delay: 65.056 ms
Loss rate: 27.21%
-- Flow 3:
Average throughput: 27.08 Mbit/s
95th percentile per-packet one-way delay: 65.692 ms
Loss rate: 19.38%
```

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

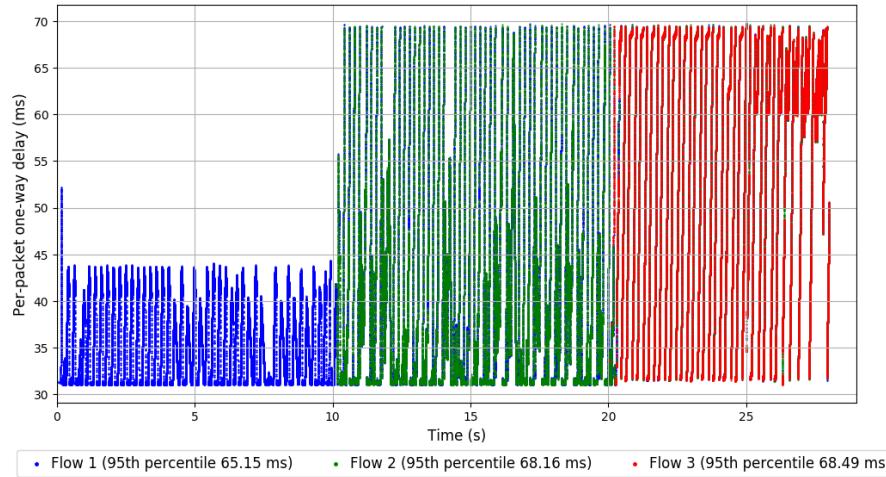
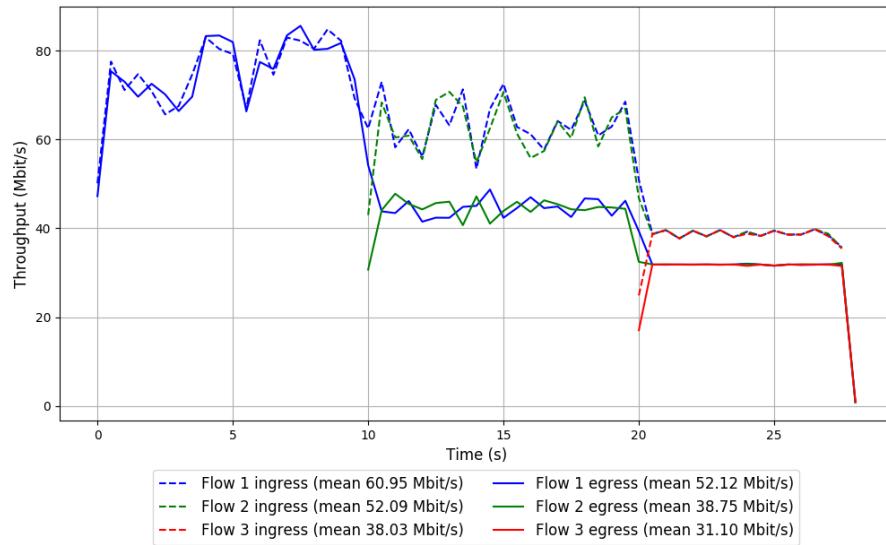


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-01-02 11:26:14
End at: 2018-01-02 11:26:44
Local clock offset: 0.957 ms
Remote clock offset: 0.568 ms

# Below is generated by plot.py at 2018-01-02 14:50:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.82 Mbit/s
95th percentile per-packet one-way delay: 67.828 ms
Loss rate: 18.34%
-- Flow 1:
Average throughput: 52.12 Mbit/s
95th percentile per-packet one-way delay: 65.149 ms
Loss rate: 14.44%
-- Flow 2:
Average throughput: 38.75 Mbit/s
95th percentile per-packet one-way delay: 68.162 ms
Loss rate: 25.54%
-- Flow 3:
Average throughput: 31.10 Mbit/s
95th percentile per-packet one-way delay: 68.489 ms
Loss rate: 18.03%
```

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

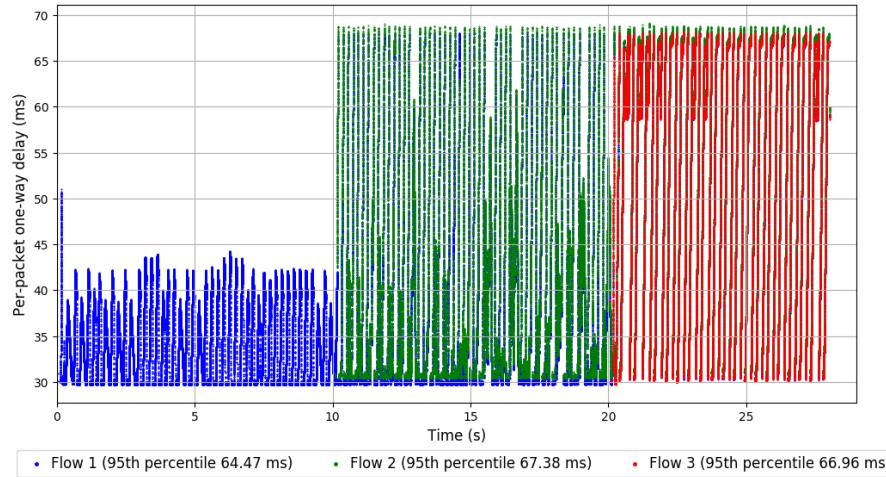
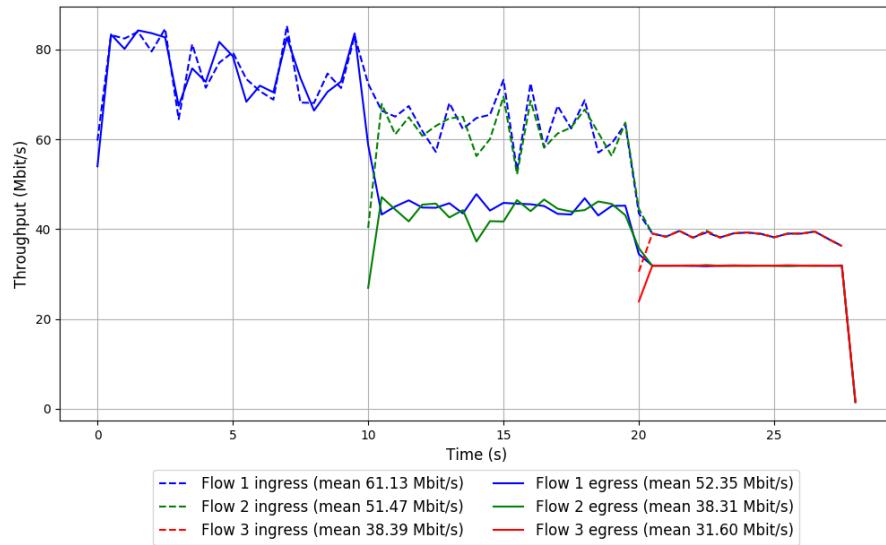


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-01-02 11:47:21
End at: 2018-01-02 11:47:51
Local clock offset: 0.992 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-01-02 14:50:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.95 Mbit/s
95th percentile per-packet one-way delay: 66.689 ms
Loss rate: 18.12%
-- Flow 1:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 64.473 ms
Loss rate: 14.27%
-- Flow 2:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 67.383 ms
Loss rate: 25.46%
-- Flow 3:
Average throughput: 31.60 Mbit/s
95th percentile per-packet one-way delay: 66.958 ms
Loss rate: 17.47%
```

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

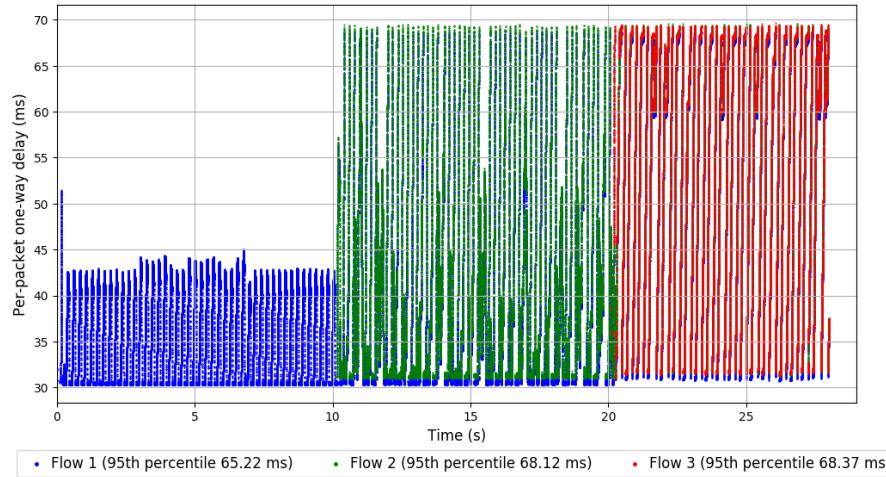
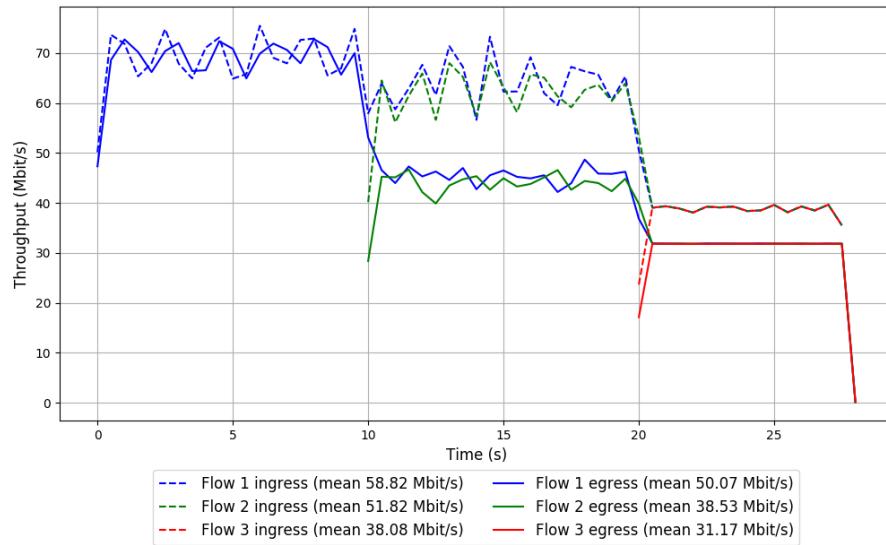


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-01-02 12:08:13
End at: 2018-01-02 12:08:43
Local clock offset: 0.922 ms
Remote clock offset: 0.37 ms

# Below is generated by plot.py at 2018-01-02 14:50:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.64 Mbit/s
95th percentile per-packet one-way delay: 67.613 ms
Loss rate: 18.70%
-- Flow 1:
Average throughput: 50.07 Mbit/s
95th percentile per-packet one-way delay: 65.216 ms
Loss rate: 14.85%
-- Flow 2:
Average throughput: 38.53 Mbit/s
95th percentile per-packet one-way delay: 68.122 ms
Loss rate: 25.67%
-- Flow 3:
Average throughput: 31.17 Mbit/s
95th percentile per-packet one-way delay: 68.374 ms
Loss rate: 18.16%
```

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

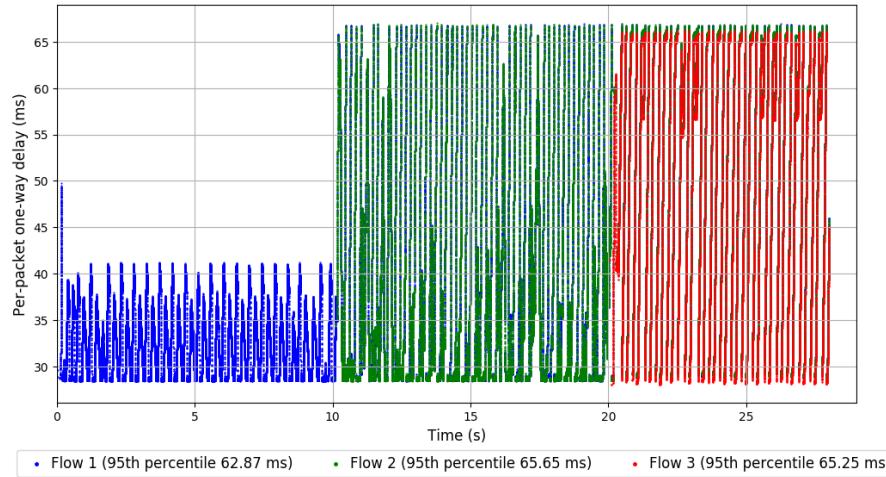
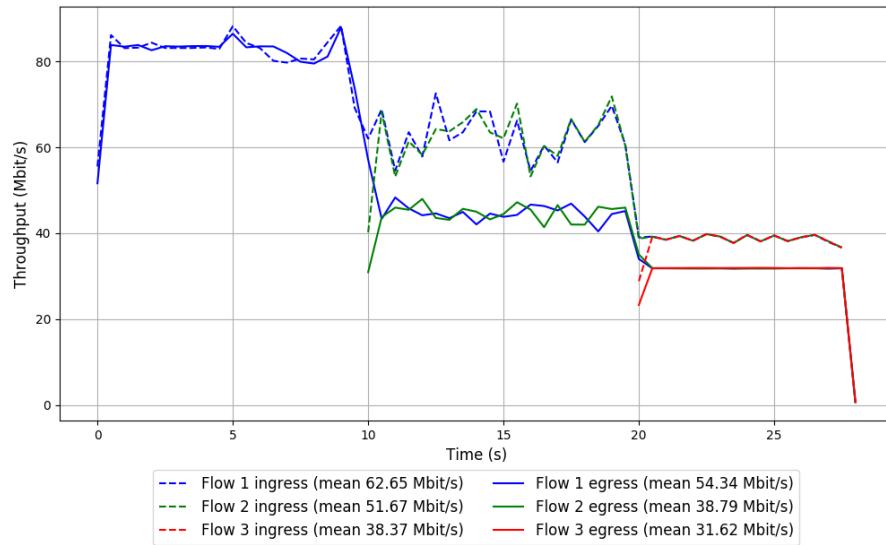


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-01-02 12:29:09
End at: 2018-01-02 12:29:39
Local clock offset: 0.879 ms
Remote clock offset: -2.312 ms

# Below is generated by plot.py at 2018-01-02 14:50:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 65.039 ms
Loss rate: 17.28%
-- Flow 1:
Average throughput: 54.34 Mbit/s
95th percentile per-packet one-way delay: 62.870 ms
Loss rate: 13.21%
-- Flow 2:
Average throughput: 38.79 Mbit/s
95th percentile per-packet one-way delay: 65.654 ms
Loss rate: 24.87%
-- Flow 3:
Average throughput: 31.62 Mbit/s
95th percentile per-packet one-way delay: 65.247 ms
Loss rate: 17.58%
```

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

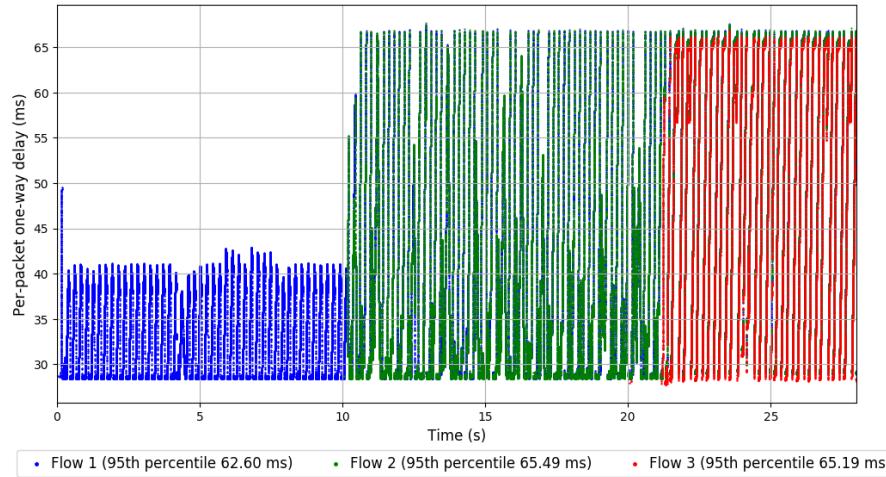
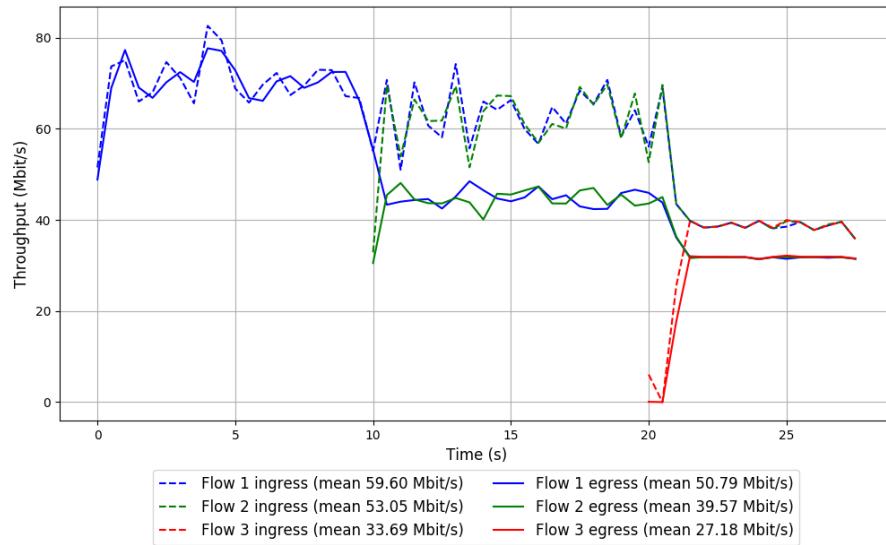


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-01-02 12:49:51
End at: 2018-01-02 12:50:21
Local clock offset: 0.886 ms
Remote clock offset: -2.67 ms

# Below is generated by plot.py at 2018-01-02 14:50:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 64.983 ms
Loss rate: 18.71%
-- Flow 1:
Average throughput: 50.79 Mbit/s
95th percentile per-packet one-way delay: 62.599 ms
Loss rate: 14.78%
-- Flow 2:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 65.486 ms
Loss rate: 25.41%
-- Flow 3:
Average throughput: 27.18 Mbit/s
95th percentile per-packet one-way delay: 65.186 ms
Loss rate: 19.34%
```

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

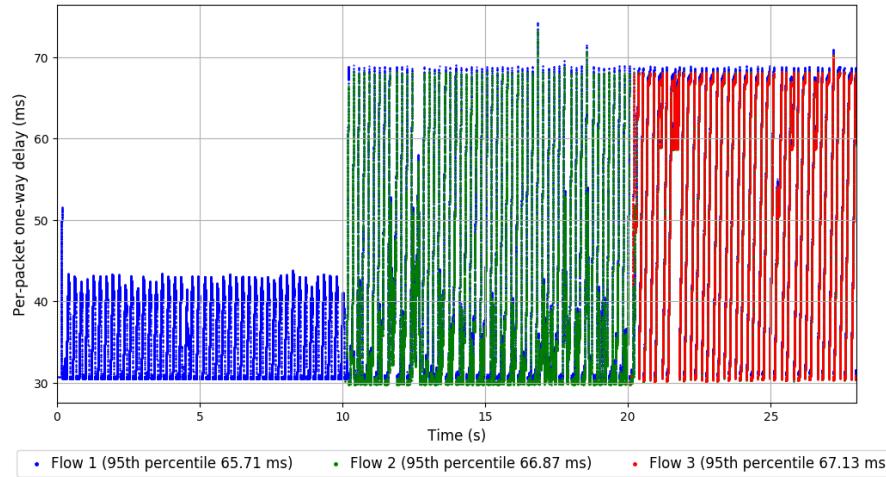
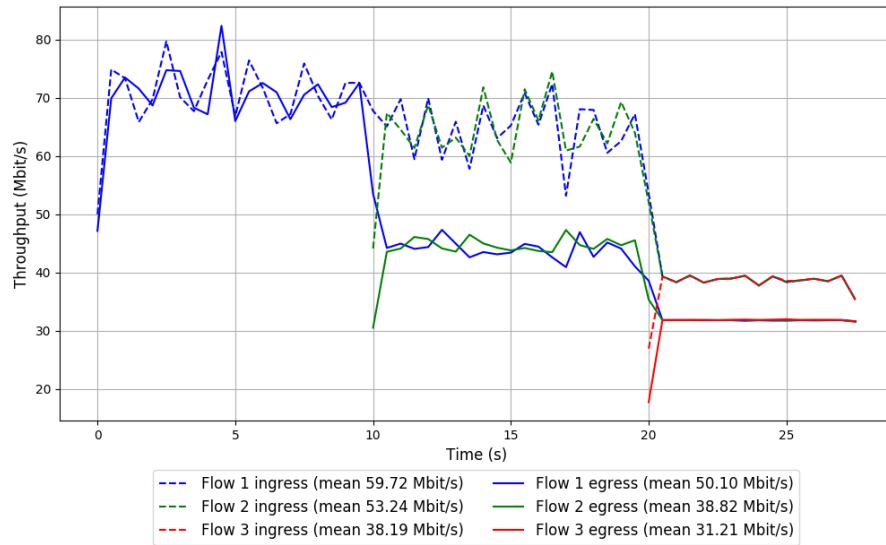


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-01-02 13:10:32
End at: 2018-01-02 13:11:02
Local clock offset: 0.969 ms
Remote clock offset: -1.063 ms

# Below is generated by plot.py at 2018-01-02 14:50:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.88 Mbit/s
95th percentile per-packet one-way delay: 66.895 ms
Loss rate: 19.92%
-- Flow 1:
Average throughput: 50.10 Mbit/s
95th percentile per-packet one-way delay: 65.708 ms
Loss rate: 16.11%
-- Flow 2:
Average throughput: 38.82 Mbit/s
95th percentile per-packet one-way delay: 66.869 ms
Loss rate: 27.11%
-- Flow 3:
Average throughput: 31.21 Mbit/s
95th percentile per-packet one-way delay: 67.126 ms
Loss rate: 18.27%
```

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

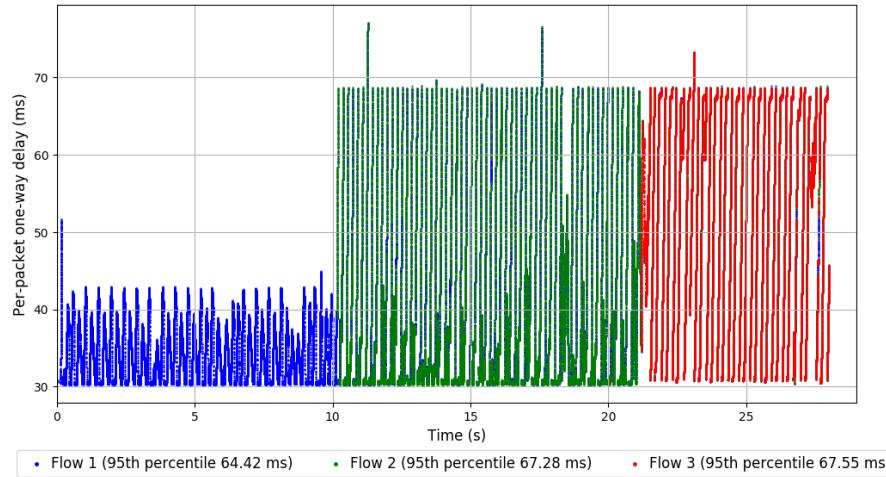
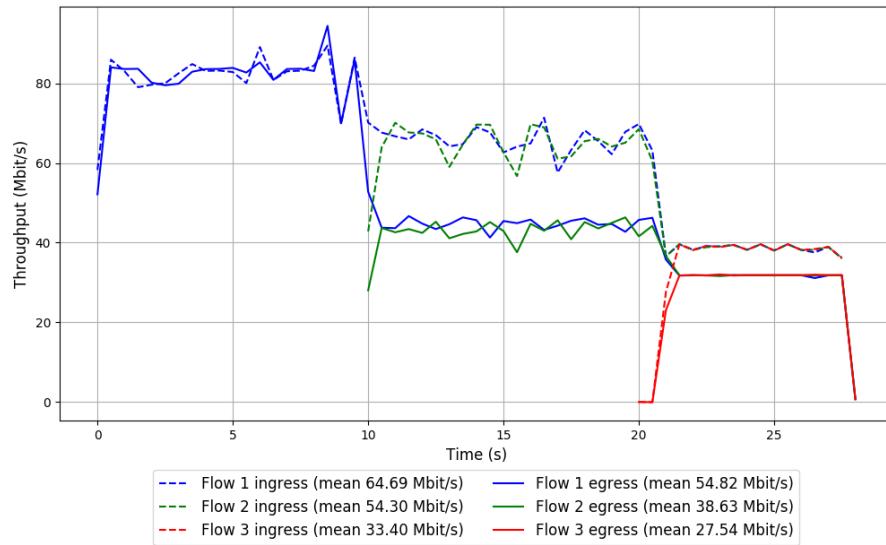


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-01-02 13:31:07
End at: 2018-01-02 13:31:37
Local clock offset: 0.917 ms
Remote clock offset: -0.399 ms

# Below is generated by plot.py at 2018-01-02 14:51:02
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 67.116 ms
Loss rate: 19.75%
-- Flow 1:
Average throughput: 54.82 Mbit/s
95th percentile per-packet one-way delay: 64.419 ms
Loss rate: 15.23%
-- Flow 2:
Average throughput: 38.63 Mbit/s
95th percentile per-packet one-way delay: 67.282 ms
Loss rate: 28.80%
-- Flow 3:
Average throughput: 27.54 Mbit/s
95th percentile per-packet one-way delay: 67.545 ms
Loss rate: 17.38%
```

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

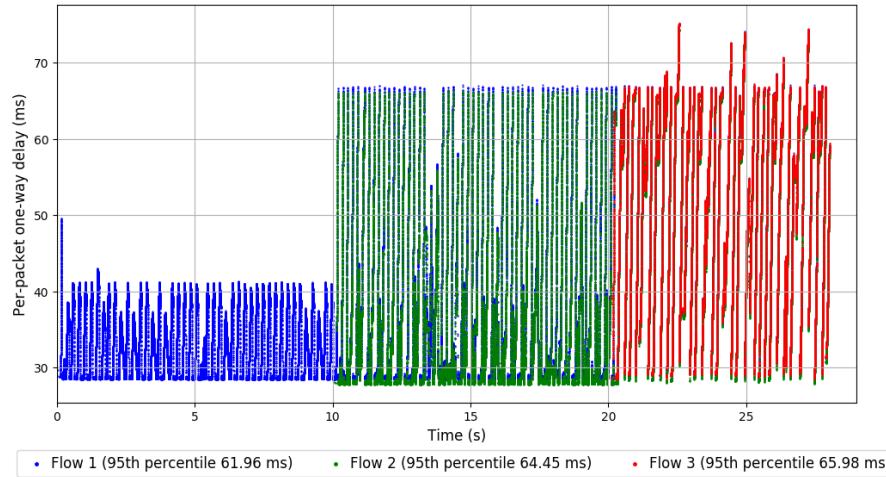
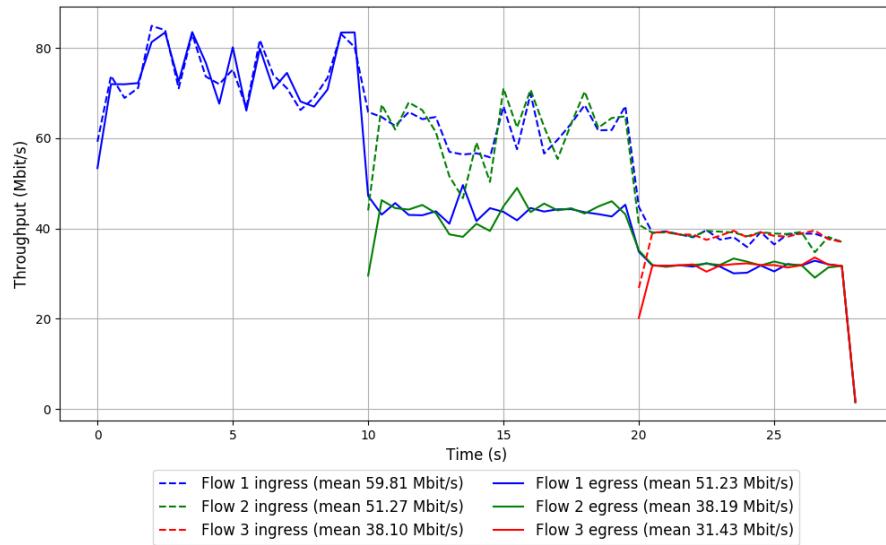


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-01-02 13:51:53
End at: 2018-01-02 13:52:23
Local clock offset: 0.519 ms
Remote clock offset: -2.667 ms

# Below is generated by plot.py at 2018-01-02 14:52:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.70 Mbit/s
95th percentile per-packet one-way delay: 64.048 ms
Loss rate: 18.11%
-- Flow 1:
Average throughput: 51.23 Mbit/s
95th percentile per-packet one-way delay: 61.958 ms
Loss rate: 14.26%
-- Flow 2:
Average throughput: 38.19 Mbit/s
95th percentile per-packet one-way delay: 64.453 ms
Loss rate: 25.38%
-- Flow 3:
Average throughput: 31.43 Mbit/s
95th percentile per-packet one-way delay: 65.985 ms
Loss rate: 17.31%
```

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

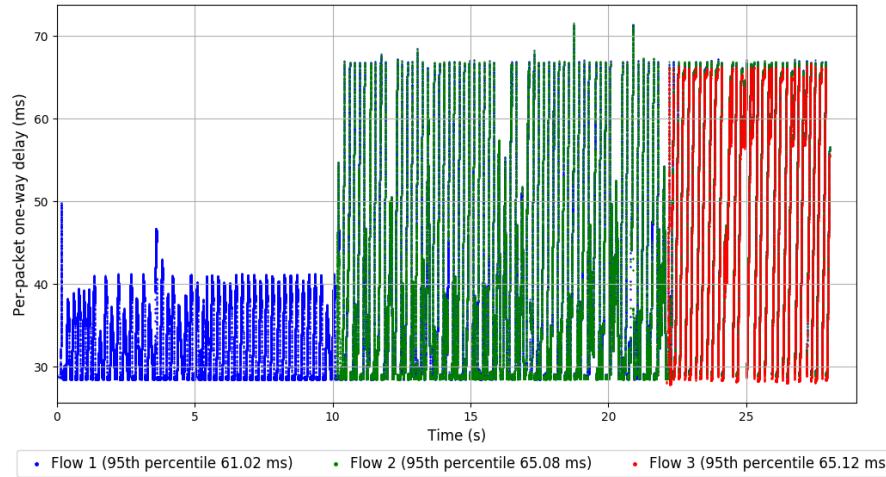
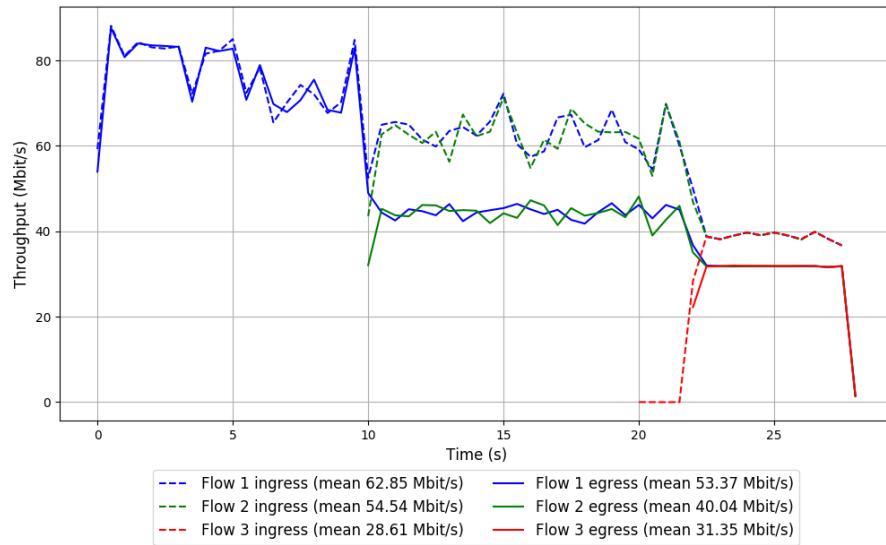


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-01-02 14:13:10
End at: 2018-01-02 14:13:40
Local clock offset: 0.506 ms
Remote clock offset: -2.833 ms

# Below is generated by plot.py at 2018-01-02 14:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 64.039 ms
Loss rate: 19.02%
-- Flow 1:
Average throughput: 53.37 Mbit/s
95th percentile per-packet one-way delay: 61.017 ms
Loss rate: 15.00%
-- Flow 2:
Average throughput: 40.04 Mbit/s
95th percentile per-packet one-way delay: 65.081 ms
Loss rate: 26.52%
-- Flow 3:
Average throughput: 31.35 Mbit/s
95th percentile per-packet one-way delay: 65.118 ms
Loss rate: 17.77%
```

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

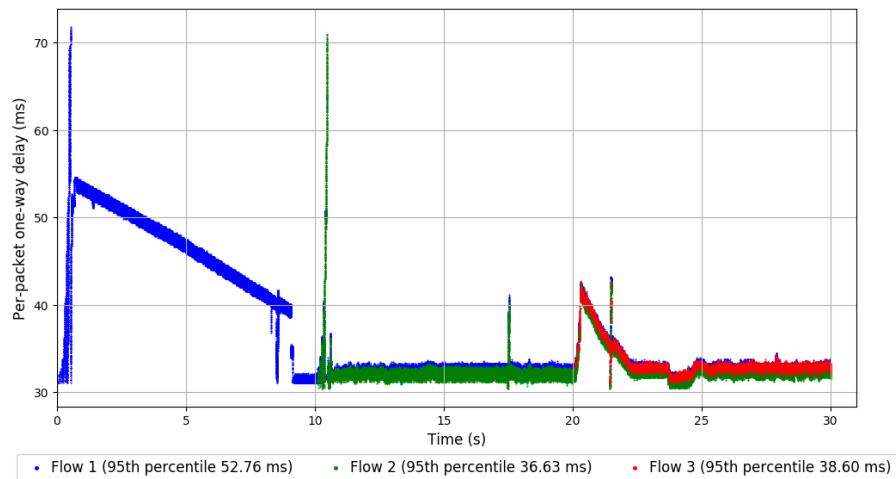
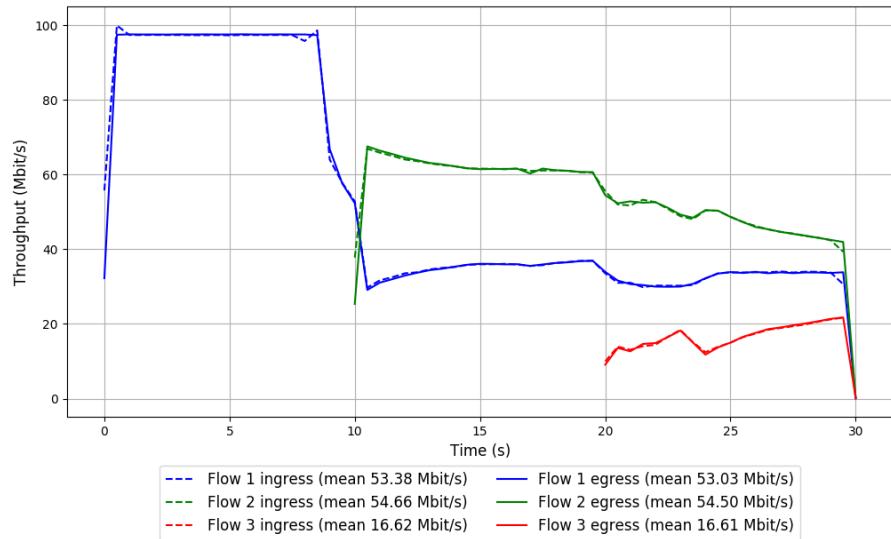


Run 1: Statistics of TCP Vegas

```
Start at: 2018-01-02 11:02:45
End at: 2018-01-02 11:03:15
Local clock offset: 0.767 ms
Remote clock offset: 0.762 ms

# Below is generated by plot.py at 2018-01-02 14:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 94.84 Mbit/s
95th percentile per-packet one-way delay: 51.816 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 53.03 Mbit/s
95th percentile per-packet one-way delay: 52.755 ms
Loss rate: 0.65%
-- Flow 2:
Average throughput: 54.50 Mbit/s
95th percentile per-packet one-way delay: 36.635 ms
Loss rate: 0.29%
-- Flow 3:
Average throughput: 16.61 Mbit/s
95th percentile per-packet one-way delay: 38.600 ms
Loss rate: 0.05%
```

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

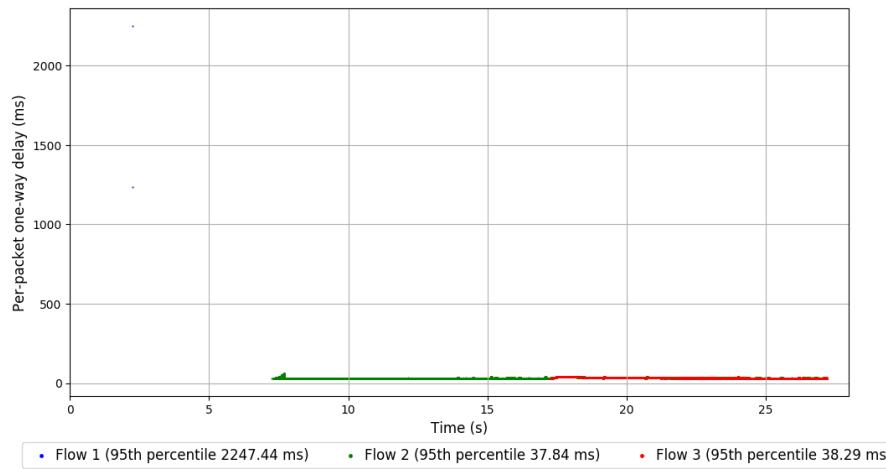
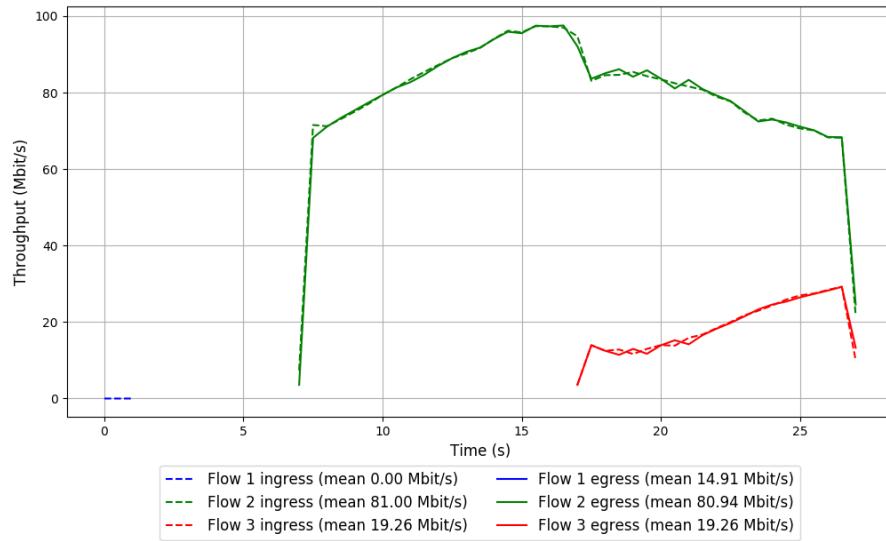


Run 2: Statistics of TCP Vegas

```
Start at: 2018-01-02 11:23:30
End at: 2018-01-02 11:24:00
Local clock offset: 0.877 ms
Remote clock offset: 0.021 ms

# Below is generated by plot.py at 2018-01-02 14:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 72.43 Mbit/s
95th percentile per-packet one-way delay: 37.965 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 14.91 Mbit/s
95th percentile per-packet one-way delay: 2247.444 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 80.94 Mbit/s
95th percentile per-packet one-way delay: 37.835 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 19.26 Mbit/s
95th percentile per-packet one-way delay: 38.294 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

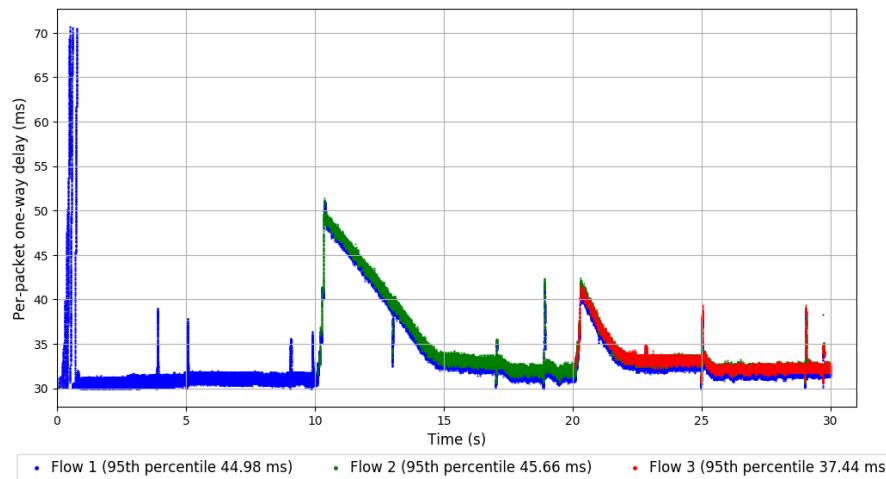
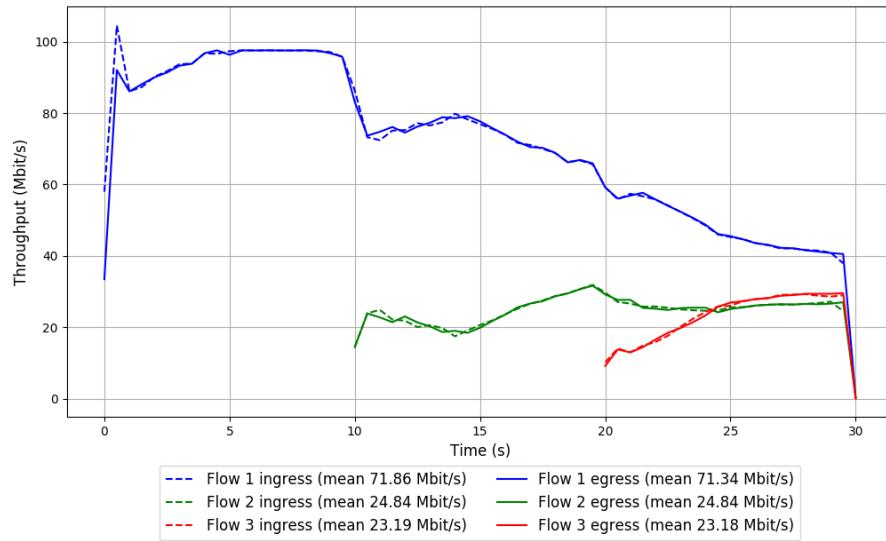


Run 3: Statistics of TCP Vegas

```
Start at: 2018-01-02 11:44:34
End at: 2018-01-02 11:45:04
Local clock offset: 0.904 ms
Remote clock offset: 0.109 ms

# Below is generated by plot.py at 2018-01-02 14:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 44.556 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 71.34 Mbit/s
95th percentile per-packet one-way delay: 44.984 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 24.84 Mbit/s
95th percentile per-packet one-way delay: 45.663 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 37.436 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

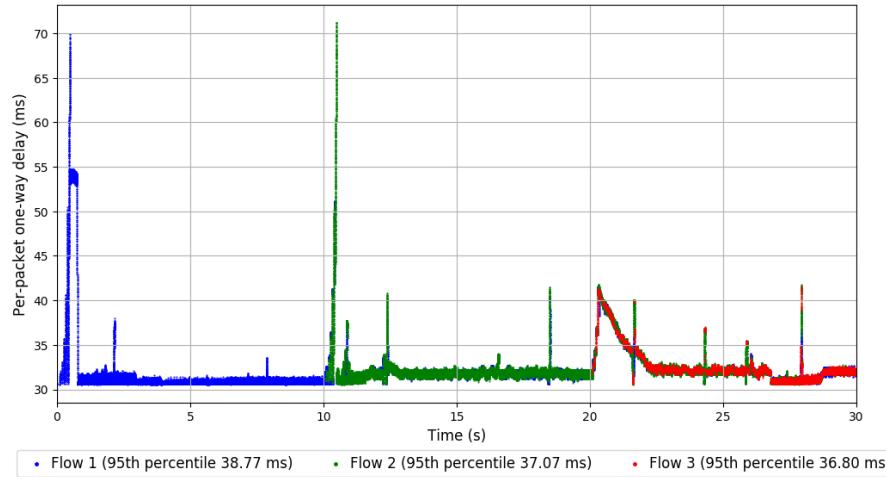
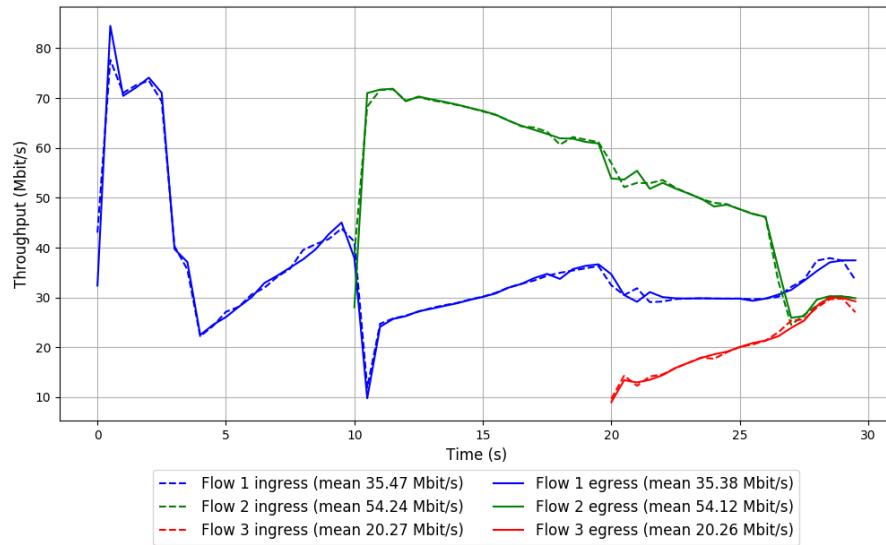


Run 4: Statistics of TCP Vegas

```
Start at: 2018-01-02 12:05:28
End at: 2018-01-02 12:05:58
Local clock offset: 0.995 ms
Remote clock offset: 0.078 ms

# Below is generated by plot.py at 2018-01-02 14:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.12 Mbit/s
95th percentile per-packet one-way delay: 37.496 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 35.38 Mbit/s
95th percentile per-packet one-way delay: 38.769 ms
Loss rate: 0.25%
-- Flow 2:
Average throughput: 54.12 Mbit/s
95th percentile per-packet one-way delay: 37.074 ms
Loss rate: 0.21%
-- Flow 3:
Average throughput: 20.26 Mbit/s
95th percentile per-packet one-way delay: 36.798 ms
Loss rate: 0.00%
```

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



Run 5: Statistics of TCP Vegas

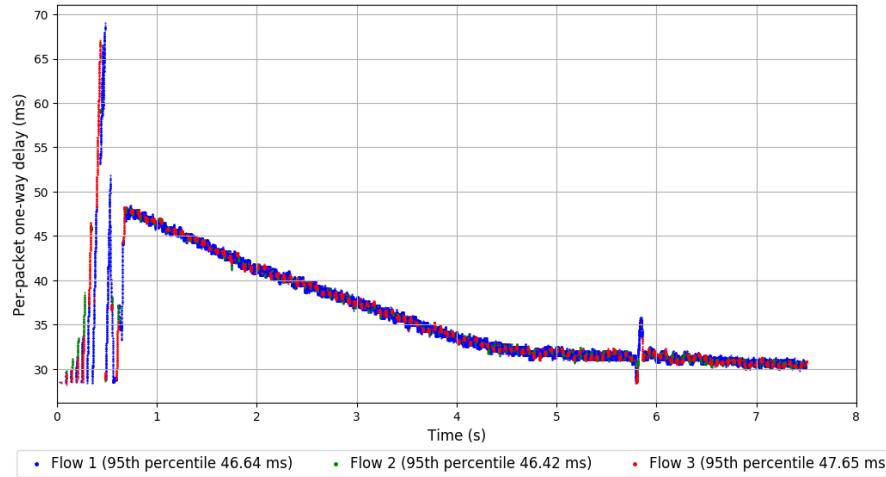
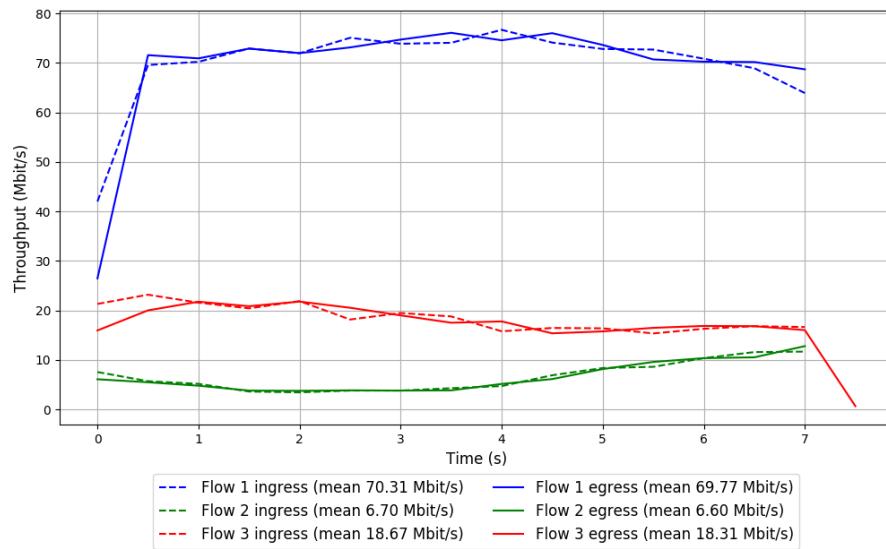
Start at: 2018-01-02 12:26:29

End at: 2018-01-02 12:26:59

Local clock offset: 0.787 ms

Remote clock offset: -2.385 ms

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

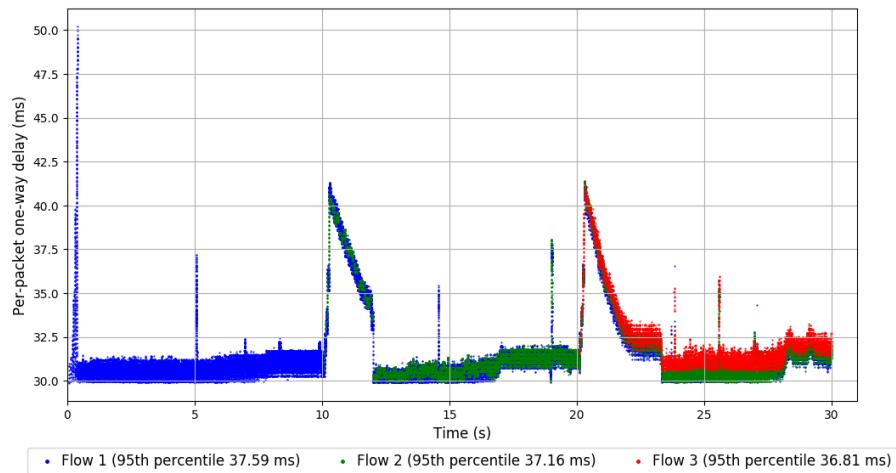
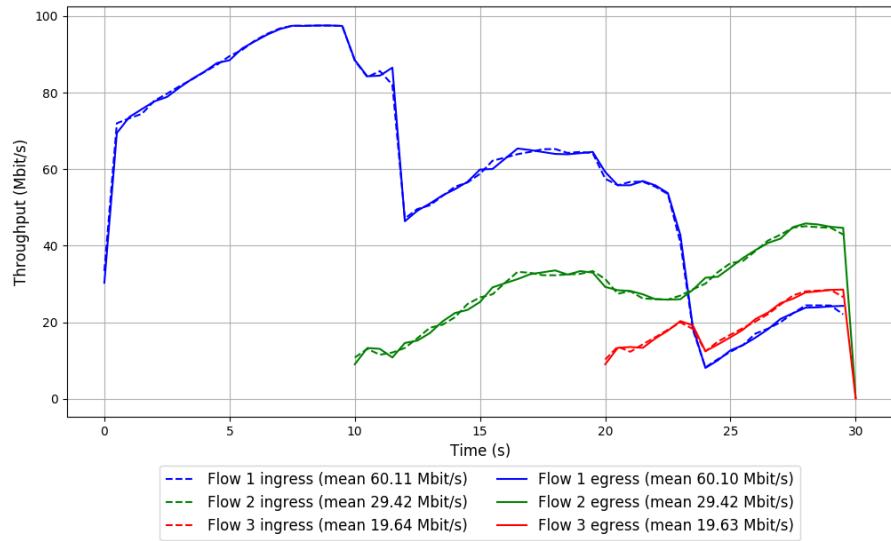


Run 6: Statistics of TCP Vegas

```
Start at: 2018-01-02 12:47:07
End at: 2018-01-02 12:47:37
Local clock offset: 0.786 ms
Remote clock offset: -0.486 ms

# Below is generated by plot.py at 2018-01-02 14:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.21 Mbit/s
95th percentile per-packet one-way delay: 37.430 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 60.10 Mbit/s
95th percentile per-packet one-way delay: 37.585 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 29.42 Mbit/s
95th percentile per-packet one-way delay: 37.162 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 19.63 Mbit/s
95th percentile per-packet one-way delay: 36.810 ms
Loss rate: 0.05%
```

Run 6: Report of TCP Vegas — Data Link

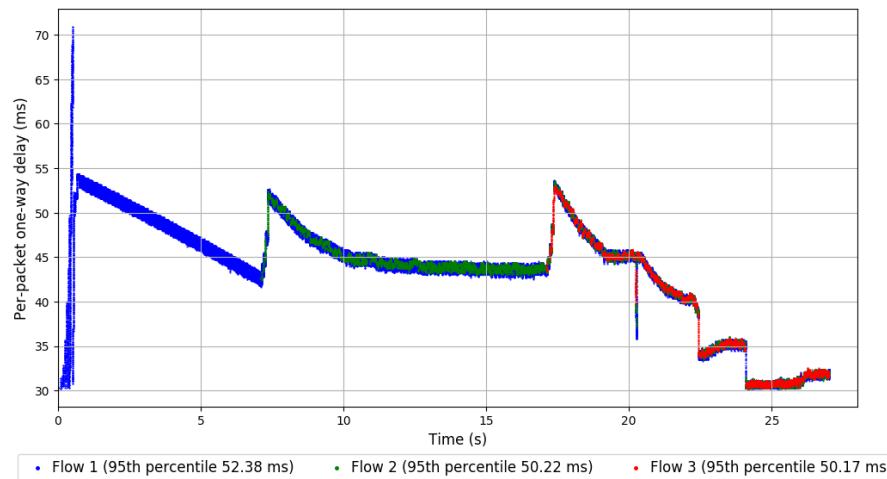
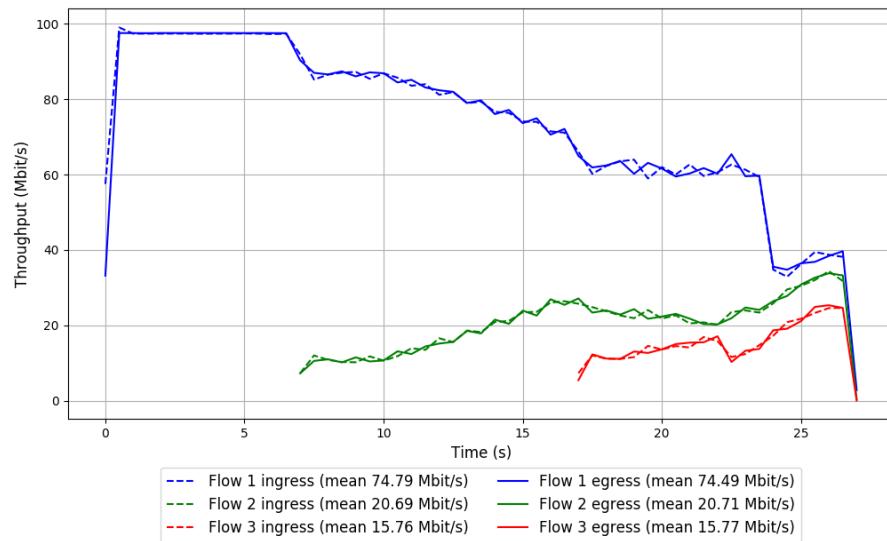


Run 7: Statistics of TCP Vegas

```
Start at: 2018-01-02 13:07:48
End at: 2018-01-02 13:08:18
Local clock offset: 0.956 ms
Remote clock offset: -0.594 ms

# Below is generated by plot.py at 2018-01-02 14:52:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.61 Mbit/s
95th percentile per-packet one-way delay: 52.128 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 74.49 Mbit/s
95th percentile per-packet one-way delay: 52.375 ms
Loss rate: 0.39%
-- Flow 2:
Average throughput: 20.71 Mbit/s
95th percentile per-packet one-way delay: 50.215 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 15.77 Mbit/s
95th percentile per-packet one-way delay: 50.168 ms
Loss rate: 0.04%
```

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

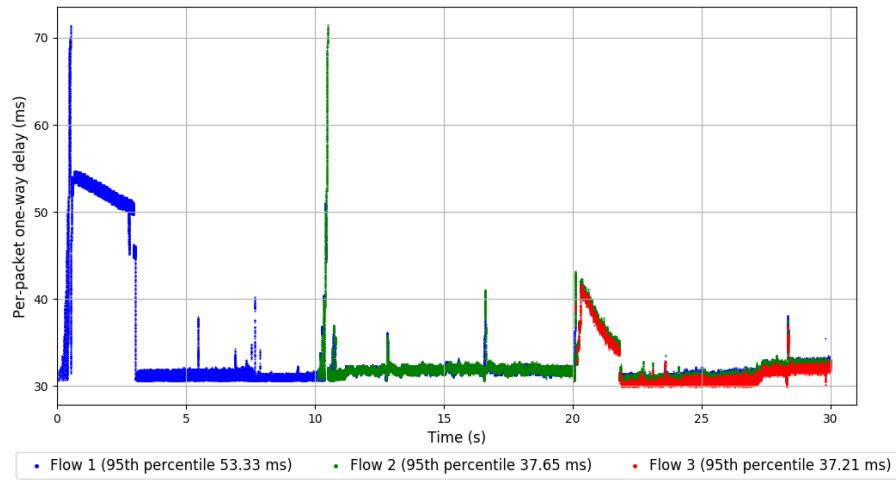
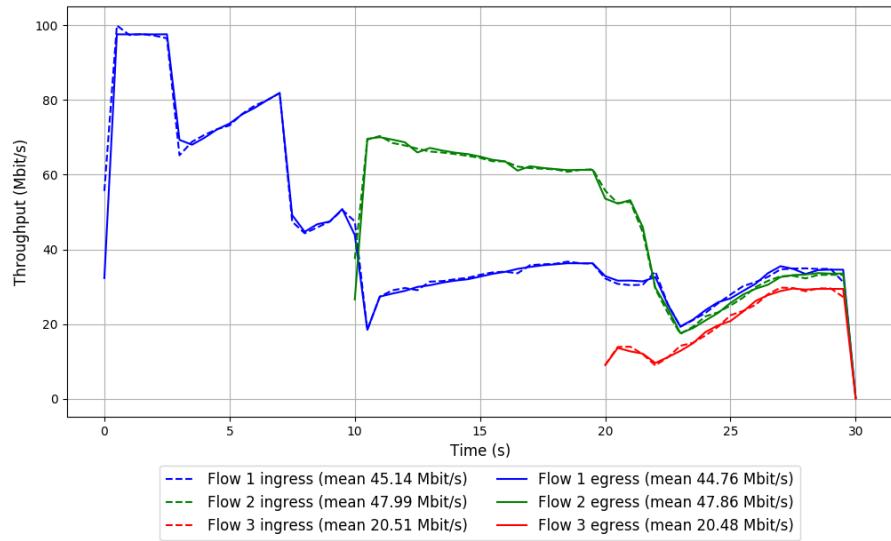


Run 8: Statistics of TCP Vegas

```
Start at: 2018-01-02 13:28:23
End at: 2018-01-02 13:28:53
Local clock offset: 0.905 ms
Remote clock offset: -0.757 ms

# Below is generated by plot.py at 2018-01-02 14:52:57
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.43 Mbit/s
95th percentile per-packet one-way delay: 52.378 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 44.76 Mbit/s
95th percentile per-packet one-way delay: 53.330 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 47.86 Mbit/s
95th percentile per-packet one-way delay: 37.654 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 20.48 Mbit/s
95th percentile per-packet one-way delay: 37.210 ms
Loss rate: 0.13%
```

Run 8: Report of TCP Vegas — Data Link

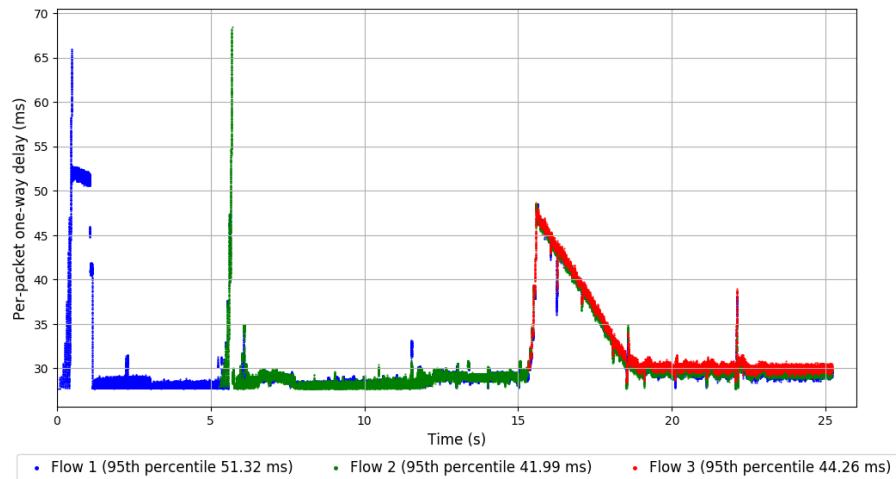
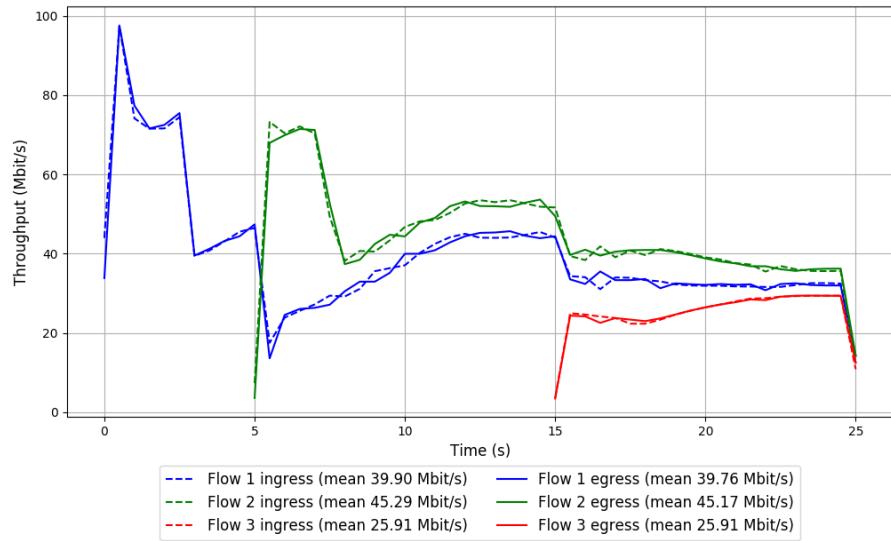


Run 9: Statistics of TCP Vegas

```
Start at: 2018-01-02 13:49:06
End at: 2018-01-02 13:49:36
Local clock offset: 0.56 ms
Remote clock offset: -2.75 ms

# Below is generated by plot.py at 2018-01-02 14:53:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 45.184 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 39.76 Mbit/s
95th percentile per-packet one-way delay: 51.317 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 45.17 Mbit/s
95th percentile per-packet one-way delay: 41.992 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 25.91 Mbit/s
95th percentile per-packet one-way delay: 44.261 ms
Loss rate: 0.00%
```

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

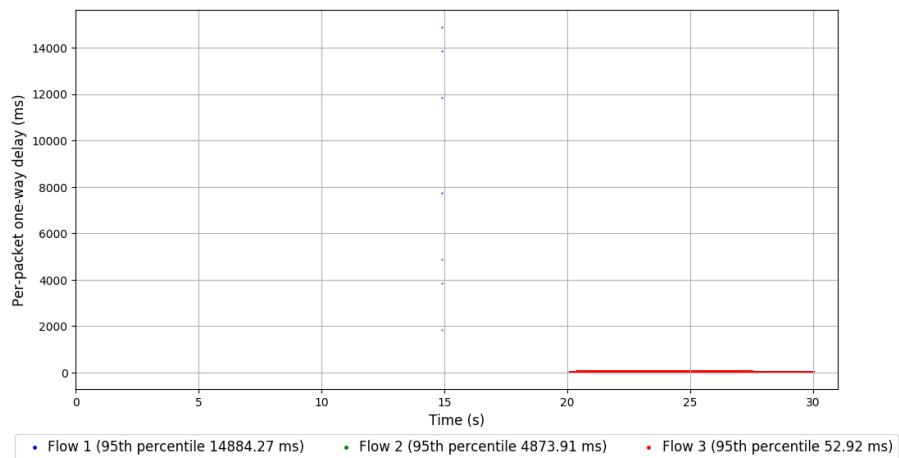
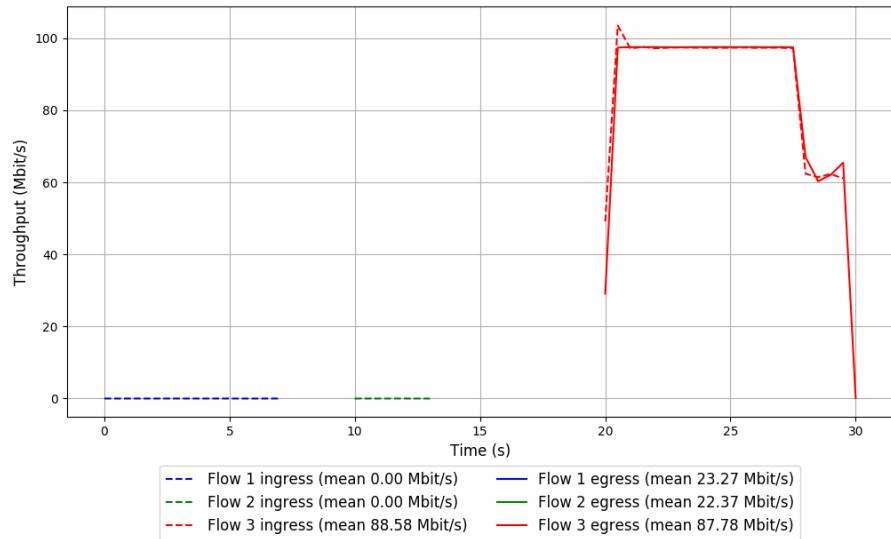
Start at: 2018-01-02 14:10:26

End at: 2018-01-02 14:10:56

Local clock offset: 0.55 ms

Remote clock offset: -0.661 ms

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

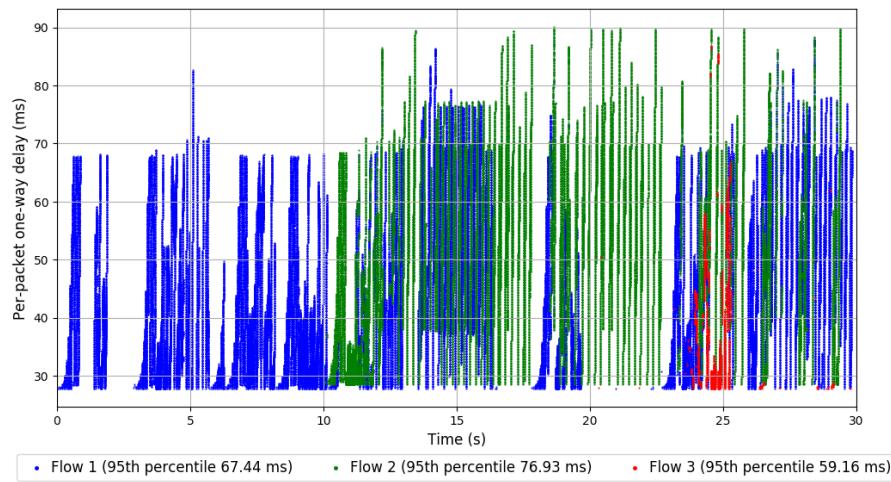
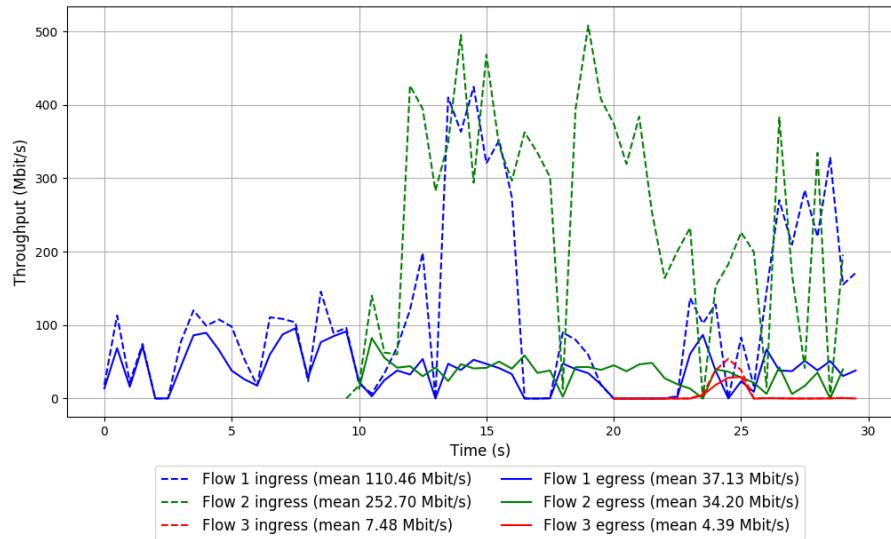


Run 1: Statistics of Verus

```
Start at: 2018-01-02 11:07:00
End at: 2018-01-02 11:07:30
Local clock offset: 0.893 ms
Remote clock offset: -1.864 ms

# Below is generated by plot.py at 2018-01-02 14:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.76 Mbit/s
95th percentile per-packet one-way delay: 71.945 ms
Loss rate: 78.05%
-- Flow 1:
Average throughput: 37.13 Mbit/s
95th percentile per-packet one-way delay: 67.444 ms
Loss rate: 66.35%
-- Flow 2:
Average throughput: 34.20 Mbit/s
95th percentile per-packet one-way delay: 76.932 ms
Loss rate: 86.45%
-- Flow 3:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 59.163 ms
Loss rate: 41.38%
```

Run 1: Report of Verus — Data Link

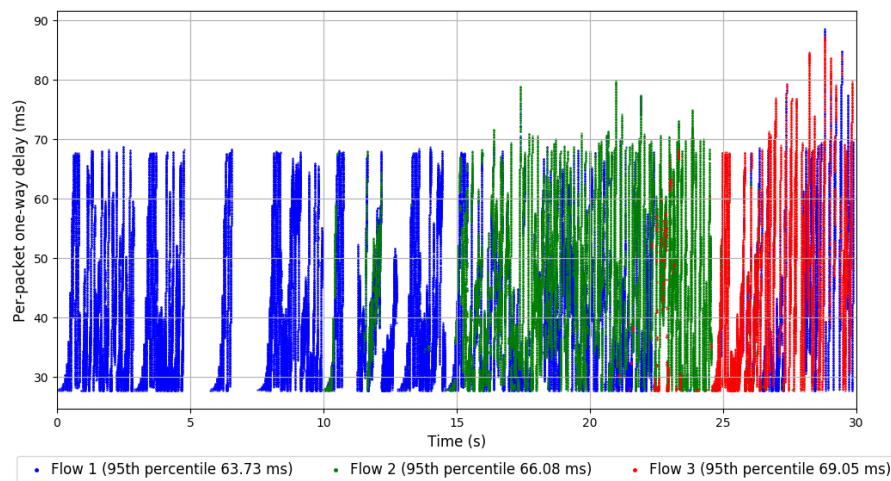
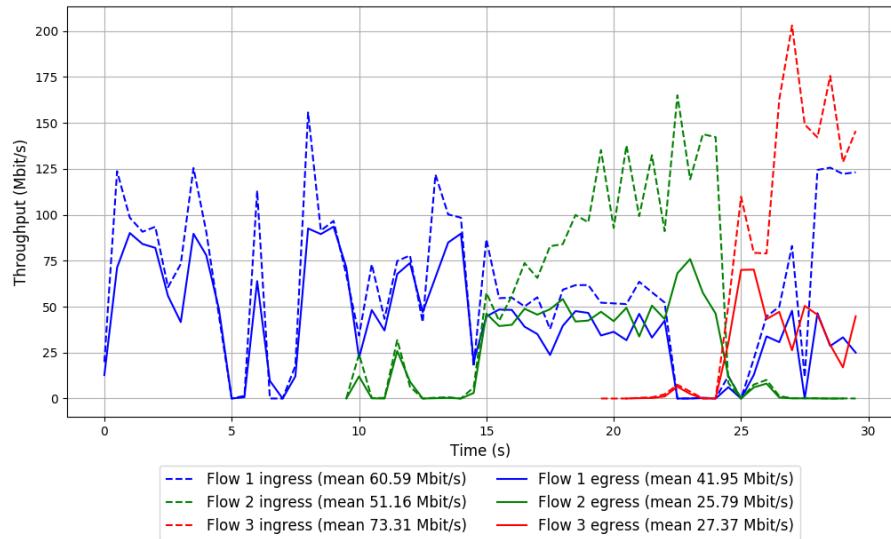


Run 2: Statistics of Verus

```
Start at: 2018-01-02 11:27:43
End at: 2018-01-02 11:28:13
Local clock offset: 0.871 ms
Remote clock offset: -2.209 ms

# Below is generated by plot.py at 2018-01-02 14:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.81 Mbit/s
95th percentile per-packet one-way delay: 64.990 ms
Loss rate: 43.59%
-- Flow 1:
Average throughput: 41.95 Mbit/s
95th percentile per-packet one-way delay: 63.733 ms
Loss rate: 30.74%
-- Flow 2:
Average throughput: 25.79 Mbit/s
95th percentile per-packet one-way delay: 66.080 ms
Loss rate: 50.41%
-- Flow 3:
Average throughput: 27.37 Mbit/s
95th percentile per-packet one-way delay: 69.054 ms
Loss rate: 66.34%
```

Run 2: Report of Verus — Data Link

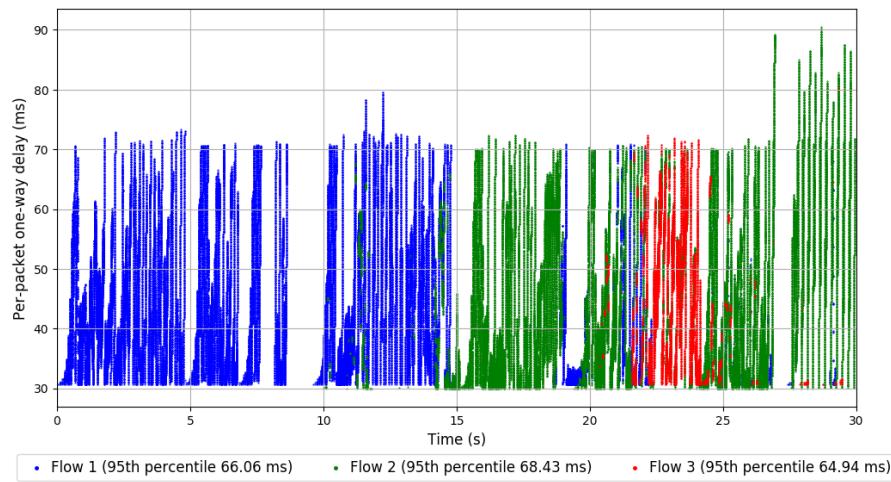
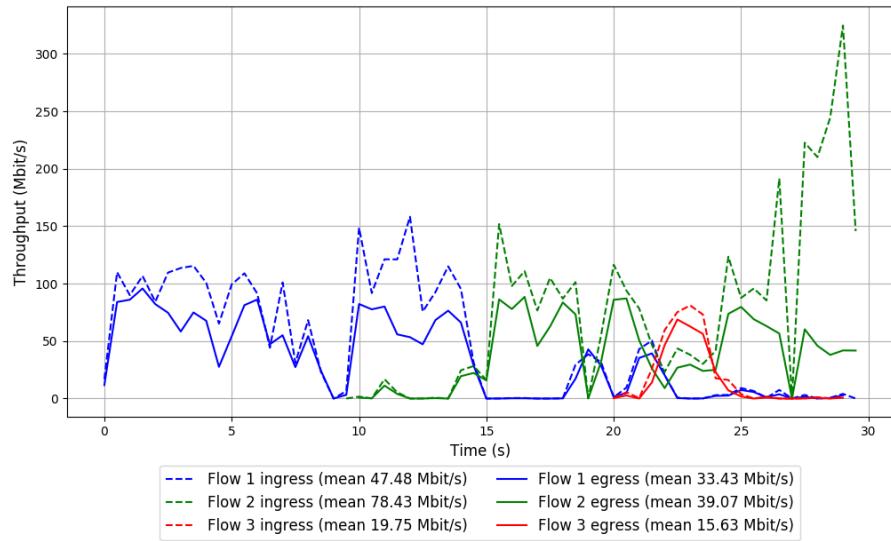


Run 3: Statistics of Verus

```
Start at: 2018-01-02 11:48:50
End at: 2018-01-02 11:49:20
Local clock offset: 0.894 ms
Remote clock offset: 0.104 ms

# Below is generated by plot.py at 2018-01-02 14:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 67.066 ms
Loss rate: 39.65%
-- Flow 1:
Average throughput: 33.43 Mbit/s
95th percentile per-packet one-way delay: 66.057 ms
Loss rate: 30.38%
-- Flow 2:
Average throughput: 39.07 Mbit/s
95th percentile per-packet one-way delay: 68.434 ms
Loss rate: 50.10%
-- Flow 3:
Average throughput: 15.63 Mbit/s
95th percentile per-packet one-way delay: 64.936 ms
Loss rate: 21.38%
```

Run 3: Report of Verus — Data Link

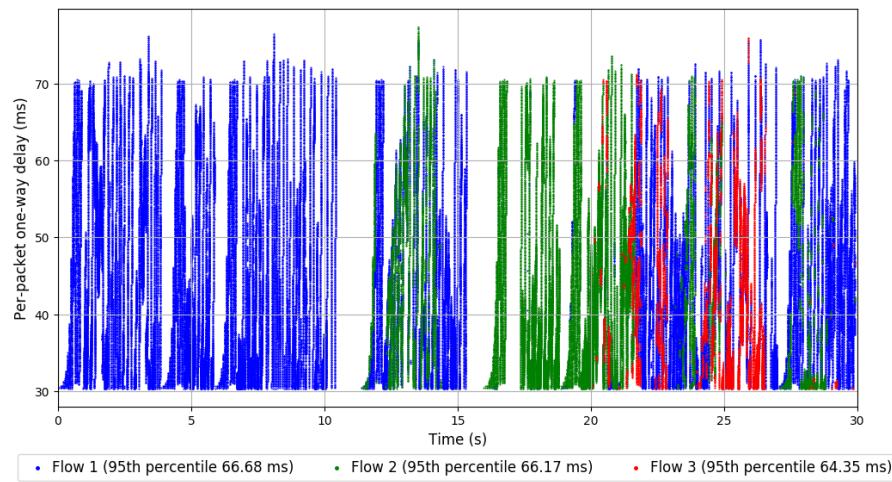
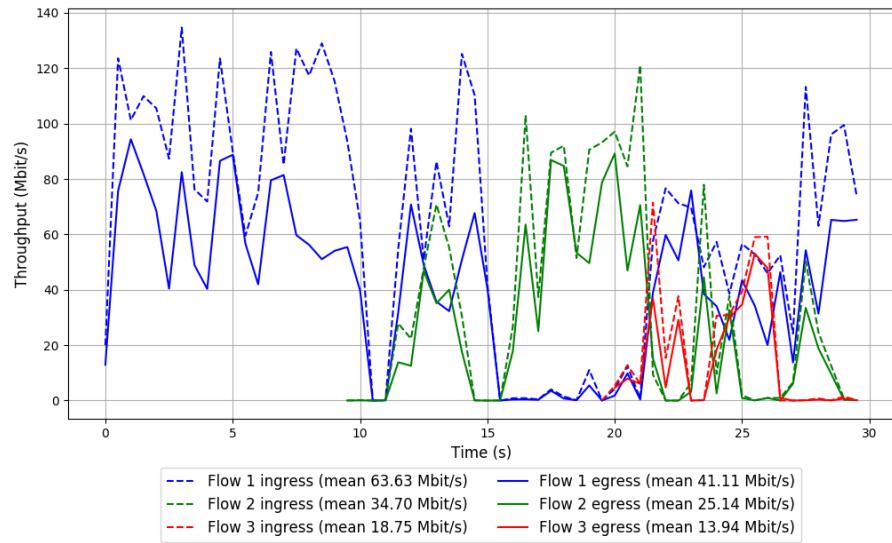


Run 4: Statistics of Verus

```
Start at: 2018-01-02 12:09:42
End at: 2018-01-02 12:10:12
Local clock offset: 0.941 ms
Remote clock offset: 0.431 ms

# Below is generated by plot.py at 2018-01-02 14:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.48 Mbit/s
95th percentile per-packet one-way delay: 66.447 ms
Loss rate: 32.76%
-- Flow 1:
Average throughput: 41.11 Mbit/s
95th percentile per-packet one-way delay: 66.681 ms
Loss rate: 35.37%
-- Flow 2:
Average throughput: 25.14 Mbit/s
95th percentile per-packet one-way delay: 66.171 ms
Loss rate: 27.51%
-- Flow 3:
Average throughput: 13.94 Mbit/s
95th percentile per-packet one-way delay: 64.354 ms
Loss rate: 25.62%
```

Run 4: Report of Verus — Data Link

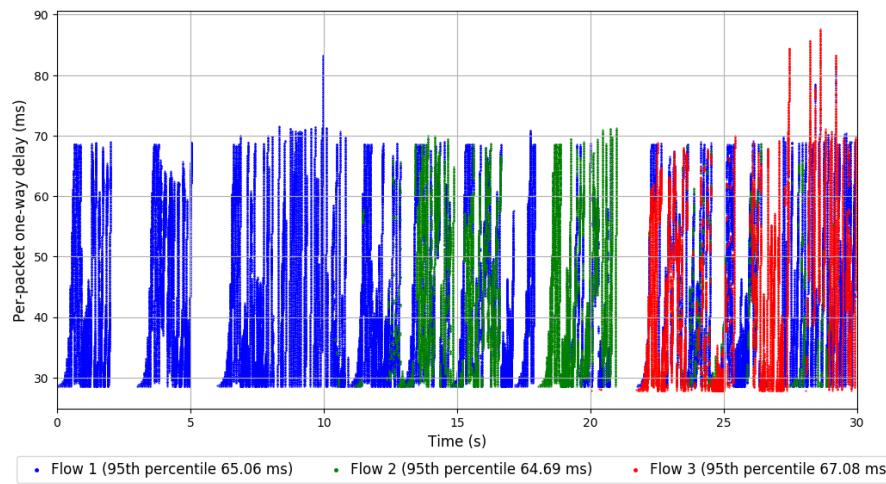
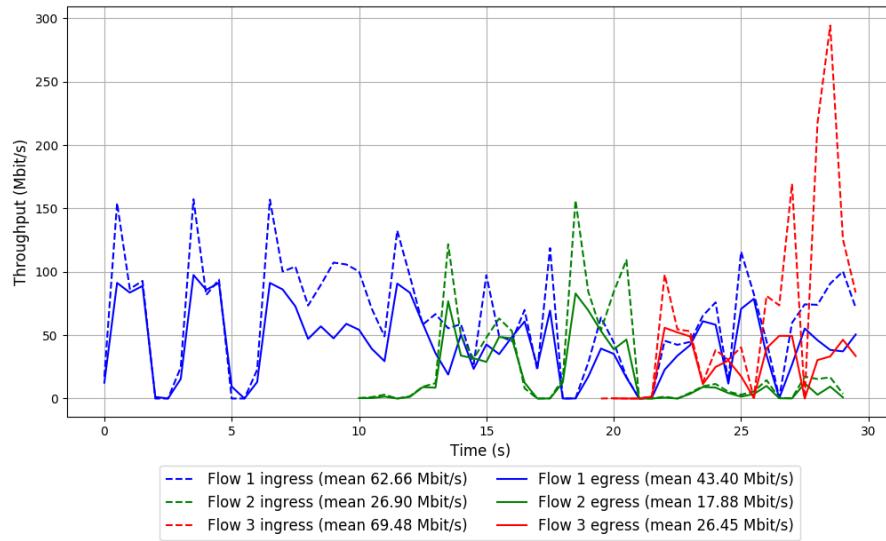


Run 5: Statistics of Verus

```
Start at: 2018-01-02 12:30:36
End at: 2018-01-02 12:31:06
Local clock offset: 0.77 ms
Remote clock offset: -2.311 ms

# Below is generated by plot.py at 2018-01-02 14:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.37 Mbit/s
95th percentile per-packet one-way delay: 65.179 ms
Loss rate: 38.20%
-- Flow 1:
Average throughput: 43.40 Mbit/s
95th percentile per-packet one-way delay: 65.060 ms
Loss rate: 30.71%
-- Flow 2:
Average throughput: 17.88 Mbit/s
95th percentile per-packet one-way delay: 64.689 ms
Loss rate: 33.87%
-- Flow 3:
Average throughput: 26.45 Mbit/s
95th percentile per-packet one-way delay: 67.083 ms
Loss rate: 61.79%
```

Run 5: Report of Verus — Data Link

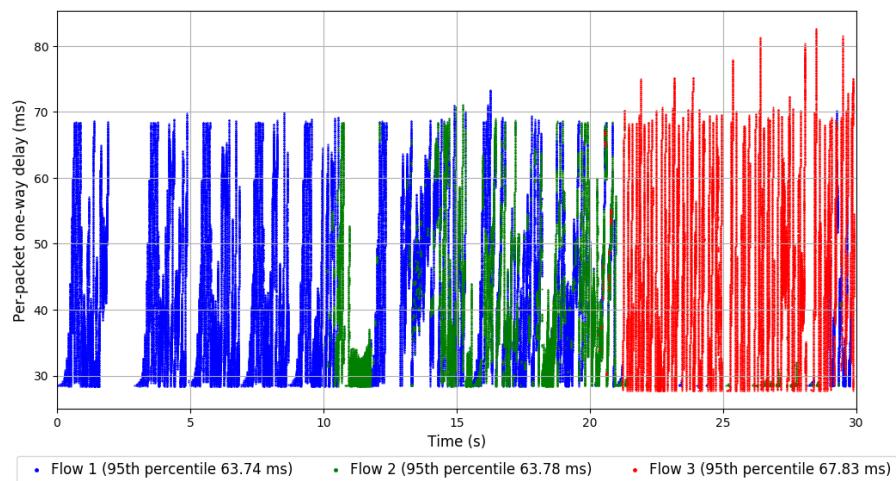
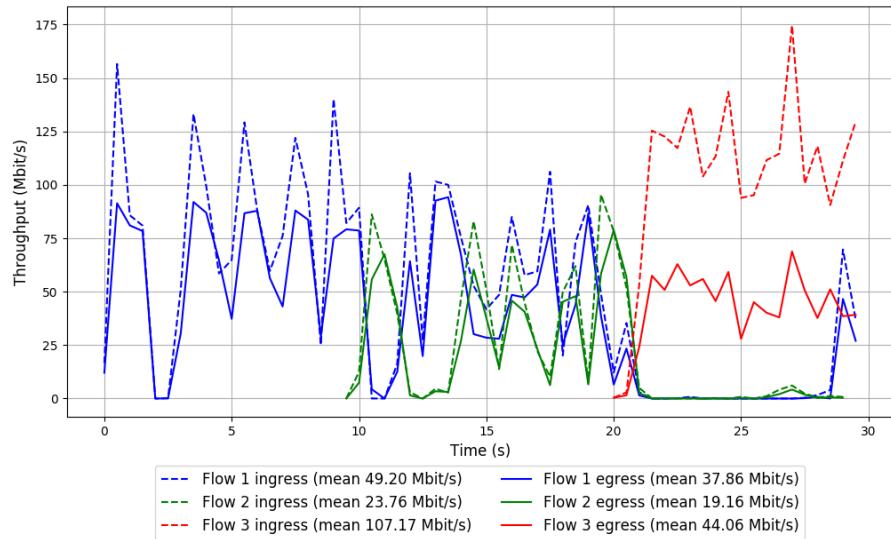


Run 6: Statistics of Verus

```
Start at: 2018-01-02 12:51:17
End at: 2018-01-02 12:51:47
Local clock offset: 0.887 ms
Remote clock offset: -2.733 ms

# Below is generated by plot.py at 2018-01-02 14:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.34 Mbit/s
95th percentile per-packet one-way delay: 64.900 ms
Loss rate: 34.98%
-- Flow 1:
Average throughput: 37.86 Mbit/s
95th percentile per-packet one-way delay: 63.736 ms
Loss rate: 23.09%
-- Flow 2:
Average throughput: 19.16 Mbit/s
95th percentile per-packet one-way delay: 63.785 ms
Loss rate: 19.57%
-- Flow 3:
Average throughput: 44.06 Mbit/s
95th percentile per-packet one-way delay: 67.827 ms
Loss rate: 58.81%
```

Run 6: Report of Verus — Data Link

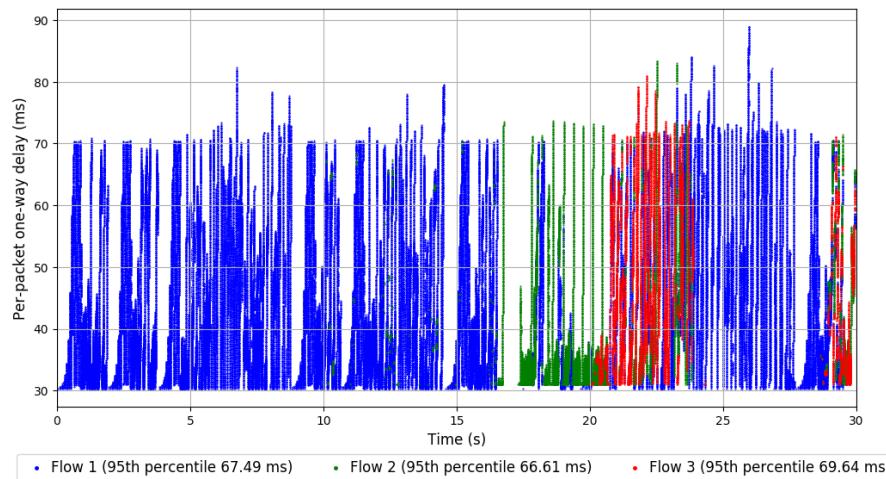
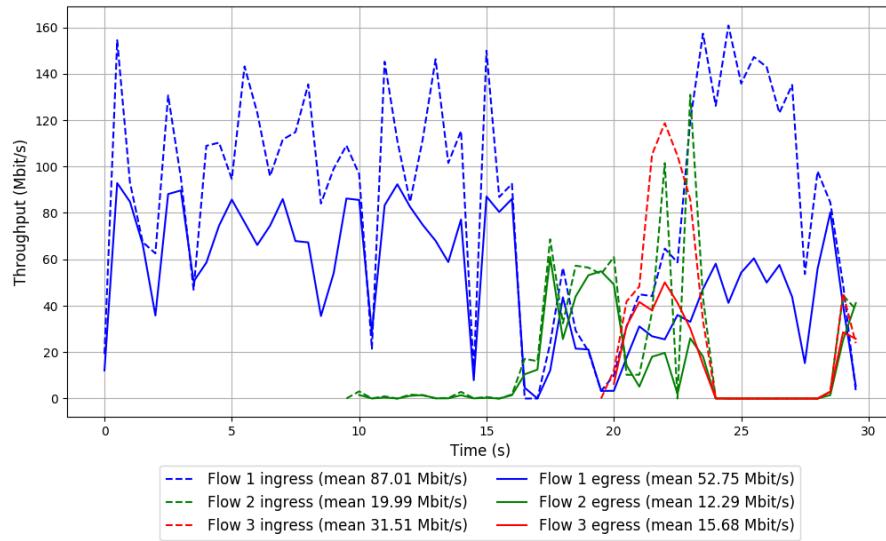


Run 7: Statistics of Verus

```
Start at: 2018-01-02 13:11:57
End at: 2018-01-02 13:12:27
Local clock offset: 0.919 ms
Remote clock offset: -0.571 ms

# Below is generated by plot.py at 2018-01-02 14:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.12 Mbit/s
95th percentile per-packet one-way delay: 67.610 ms
Loss rate: 40.21%
-- Flow 1:
Average throughput: 52.75 Mbit/s
95th percentile per-packet one-way delay: 67.491 ms
Loss rate: 39.30%
-- Flow 2:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 66.606 ms
Loss rate: 38.42%
-- Flow 3:
Average throughput: 15.68 Mbit/s
95th percentile per-packet one-way delay: 69.638 ms
Loss rate: 50.10%
```

Run 7: Report of Verus — Data Link

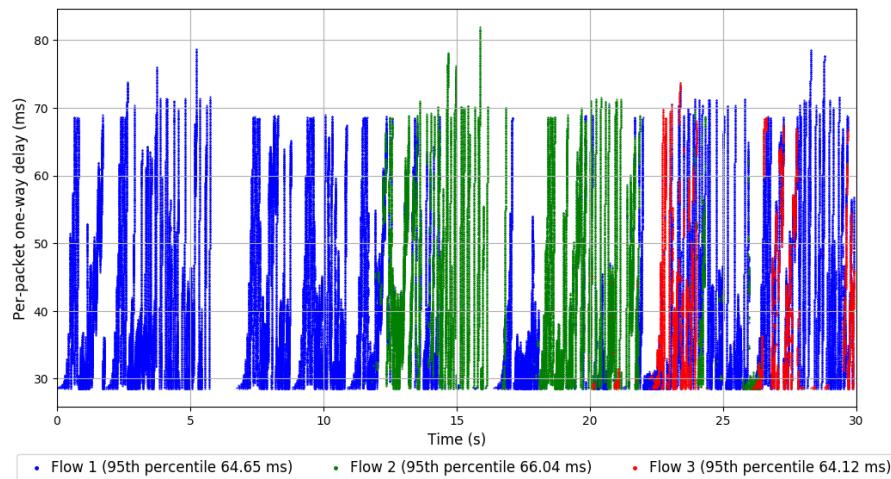
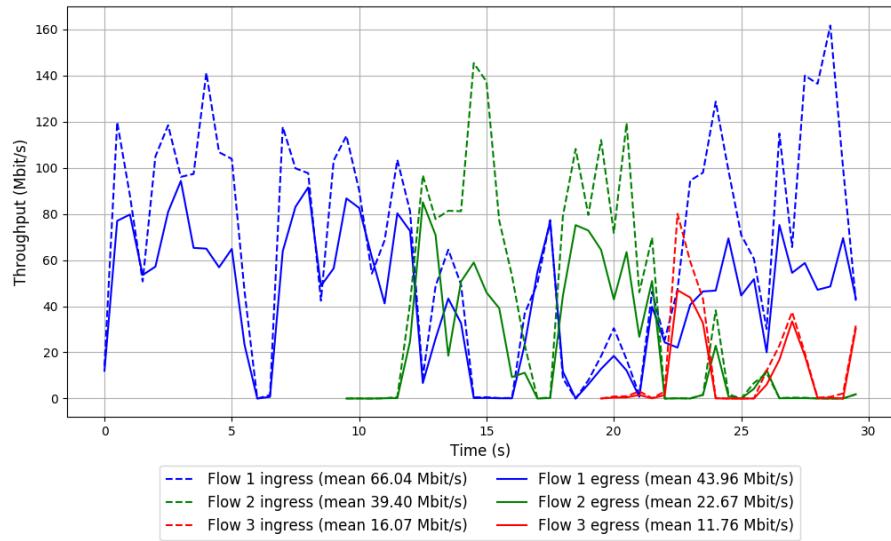


Run 8: Statistics of Verus

```
Start at: 2018-01-02 13:32:33
End at: 2018-01-02 13:33:03
Local clock offset: 0.837 ms
Remote clock offset: -2.896 ms

# Below is generated by plot.py at 2018-01-02 14:54:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.93 Mbit/s
95th percentile per-packet one-way delay: 64.954 ms
Loss rate: 35.44%
-- Flow 1:
Average throughput: 43.96 Mbit/s
95th percentile per-packet one-way delay: 64.649 ms
Loss rate: 33.36%
-- Flow 2:
Average throughput: 22.67 Mbit/s
95th percentile per-packet one-way delay: 66.044 ms
Loss rate: 42.44%
-- Flow 3:
Average throughput: 11.76 Mbit/s
95th percentile per-packet one-way delay: 64.120 ms
Loss rate: 26.73%
```

Run 8: Report of Verus — Data Link

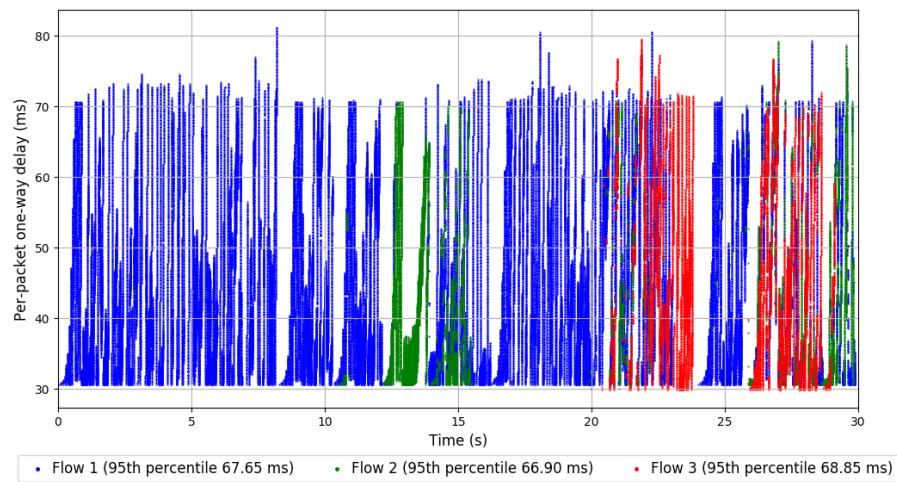
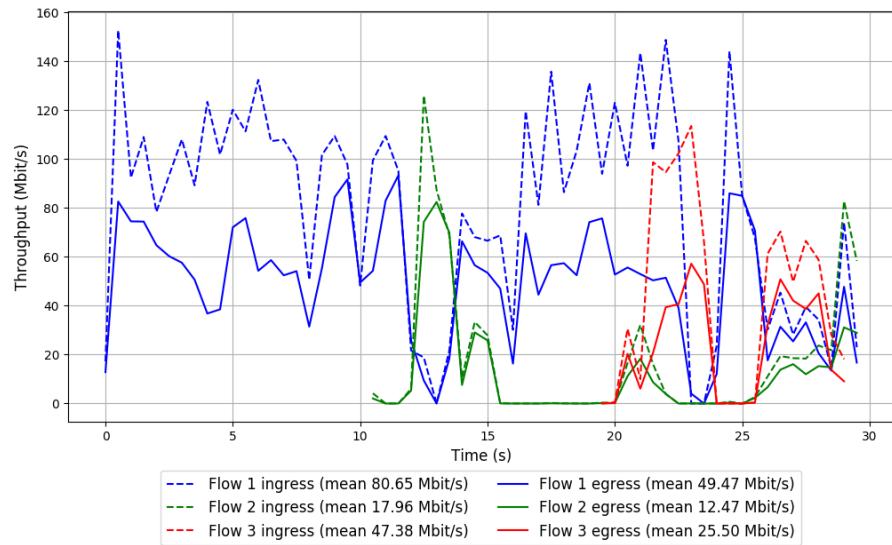


Run 9: Statistics of Verus

```
Start at: 2018-01-02 13:53:25
End at: 2018-01-02 13:53:55
Local clock offset: 0.502 ms
Remote clock offset: -0.52 ms

# Below is generated by plot.py at 2018-01-02 14:54:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.32 Mbit/s
95th percentile per-packet one-way delay: 67.728 ms
Loss rate: 38.83%
-- Flow 1:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 67.649 ms
Loss rate: 38.64%
-- Flow 2:
Average throughput: 12.47 Mbit/s
95th percentile per-packet one-way delay: 66.897 ms
Loss rate: 30.51%
-- Flow 3:
Average throughput: 25.50 Mbit/s
95th percentile per-packet one-way delay: 68.853 ms
Loss rate: 46.48%
```

## Run 9: Report of Verus — Data Link

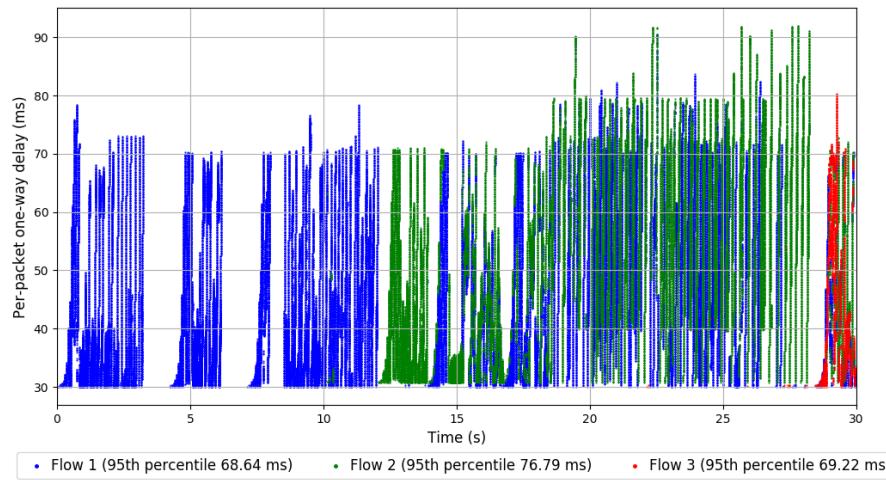
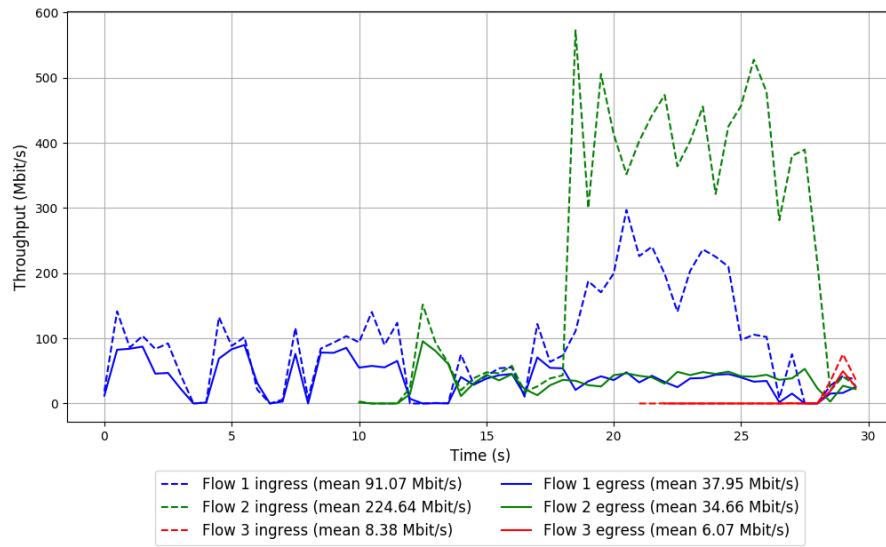


Run 10: Statistics of Verus

```
Start at: 2018-01-02 14:14:39
End at: 2018-01-02 14:15:09
Local clock offset: 0.501 ms
Remote clock offset: -0.679 ms

# Below is generated by plot.py at 2018-01-02 14:55:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.55 Mbit/s
95th percentile per-packet one-way delay: 71.766 ms
Loss rate: 74.22%
-- Flow 1:
Average throughput: 37.95 Mbit/s
95th percentile per-packet one-way delay: 68.635 ms
Loss rate: 58.32%
-- Flow 2:
Average throughput: 34.66 Mbit/s
95th percentile per-packet one-way delay: 76.792 ms
Loss rate: 84.57%
-- Flow 3:
Average throughput: 6.07 Mbit/s
95th percentile per-packet one-way delay: 69.217 ms
Loss rate: 35.72%
```

Run 10: Report of Verus — Data Link

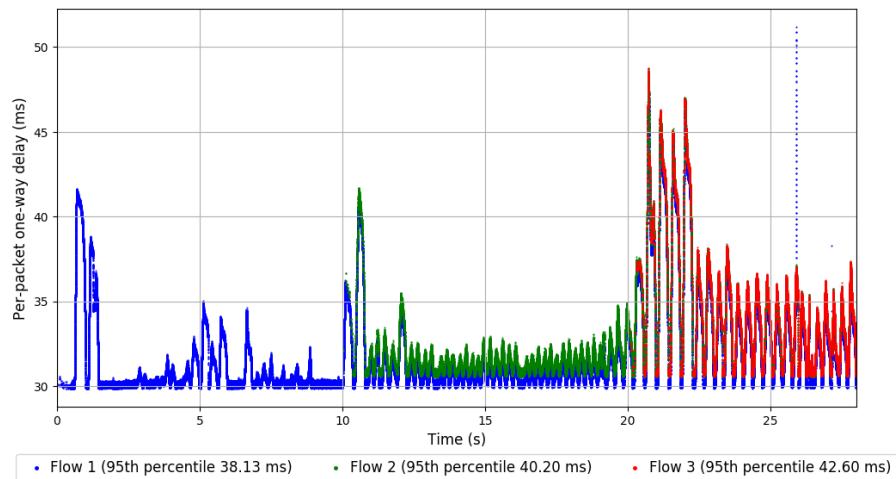
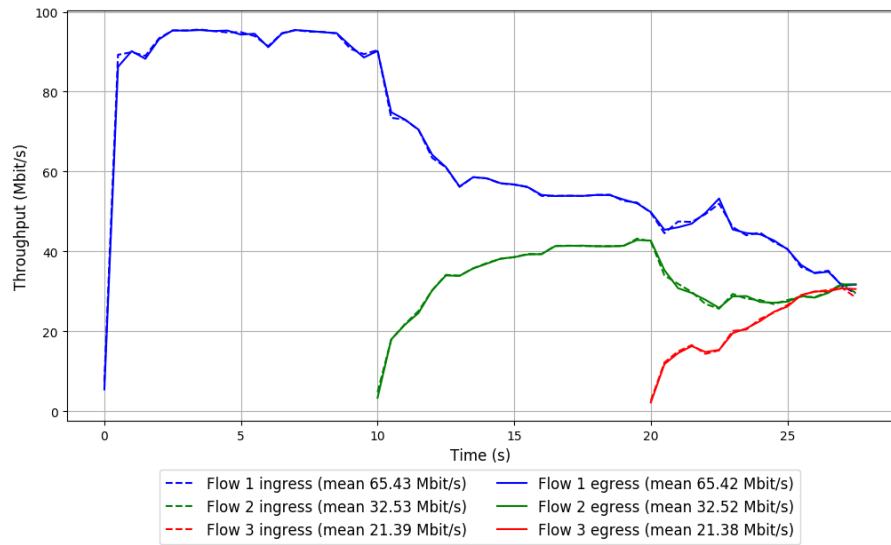


Run 1: Statistics of Copa

```
Start at: 2018-01-02 11:01:15
End at: 2018-01-02 11:01:45
Local clock offset: 0.861 ms
Remote clock offset: 0.335 ms

# Below is generated by plot.py at 2018-01-02 14:55:56
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.37 Mbit/s
95th percentile per-packet one-way delay: 38.877 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 65.42 Mbit/s
95th percentile per-packet one-way delay: 38.134 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 32.52 Mbit/s
95th percentile per-packet one-way delay: 40.198 ms
Loss rate: 0.02%
-- Flow 3:
Average throughput: 21.38 Mbit/s
95th percentile per-packet one-way delay: 42.601 ms
Loss rate: 0.08%
```

## Run 1: Report of Copa — Data Link

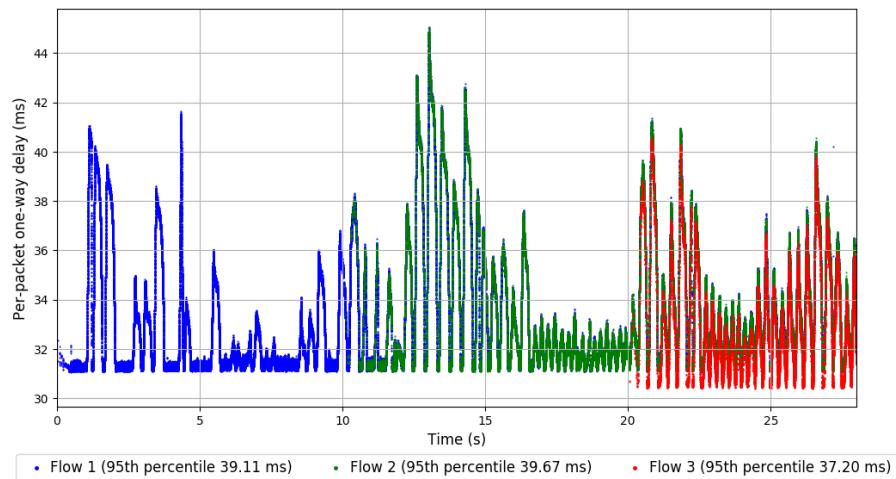
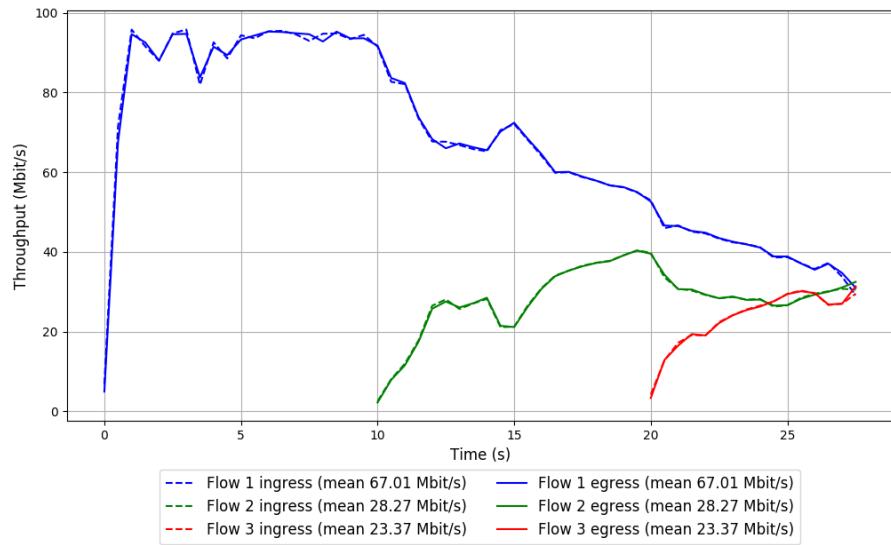


Run 2: Statistics of Copa

```
Start at: 2018-01-02 11:22:02
End at: 2018-01-02 11:22:32
Local clock offset: 0.854 ms
Remote clock offset: 0.494 ms

# Below is generated by plot.py at 2018-01-02 14:56:12
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.79 Mbit/s
95th percentile per-packet one-way delay: 39.116 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.01 Mbit/s
95th percentile per-packet one-way delay: 39.110 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 28.27 Mbit/s
95th percentile per-packet one-way delay: 39.671 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 37.203 ms
Loss rate: 0.00%
```

Run 2: Report of Copa — Data Link

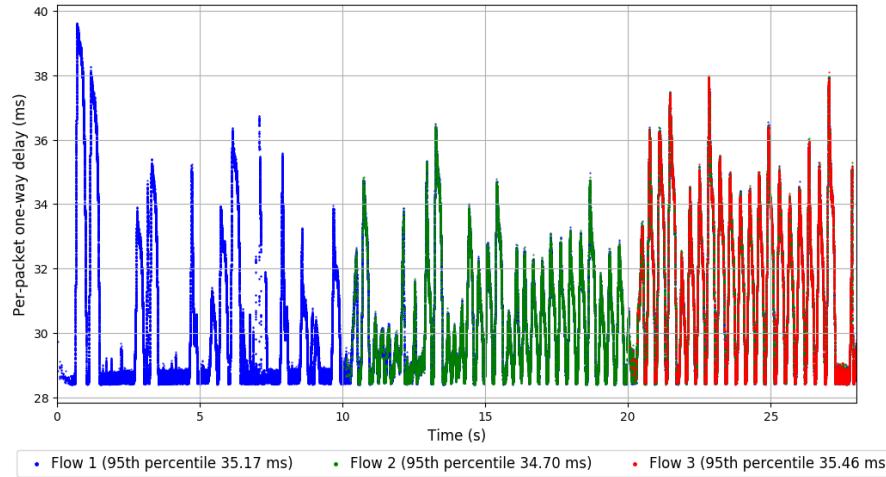
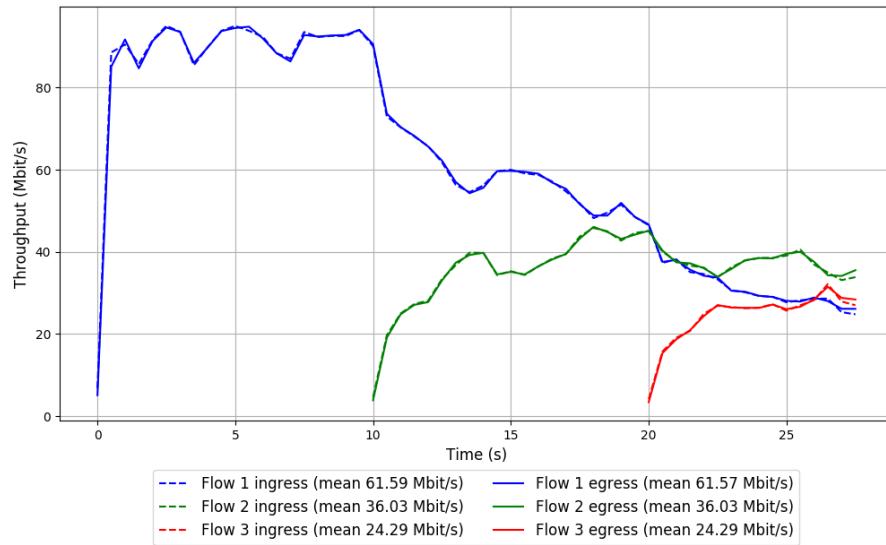


Run 3: Statistics of Copa

```
Start at: 2018-01-02 11:43:05
End at: 2018-01-02 11:43:35
Local clock offset: 0.977 ms
Remote clock offset: -2.077 ms

# Below is generated by plot.py at 2018-01-02 14:56:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.61 Mbit/s
95th percentile per-packet one-way delay: 35.038 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 61.57 Mbit/s
95th percentile per-packet one-way delay: 35.172 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 36.03 Mbit/s
95th percentile per-packet one-way delay: 34.702 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.29 Mbit/s
95th percentile per-packet one-way delay: 35.458 ms
Loss rate: 0.01%
```

Run 3: Report of Copa — Data Link

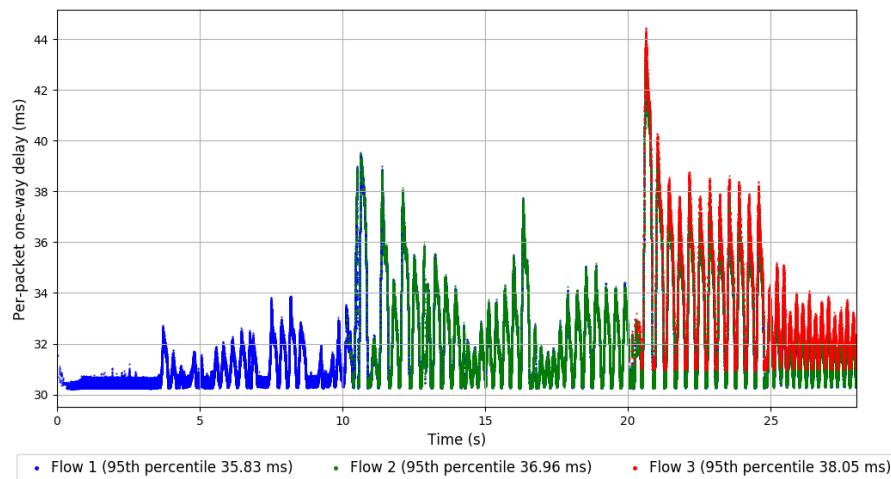
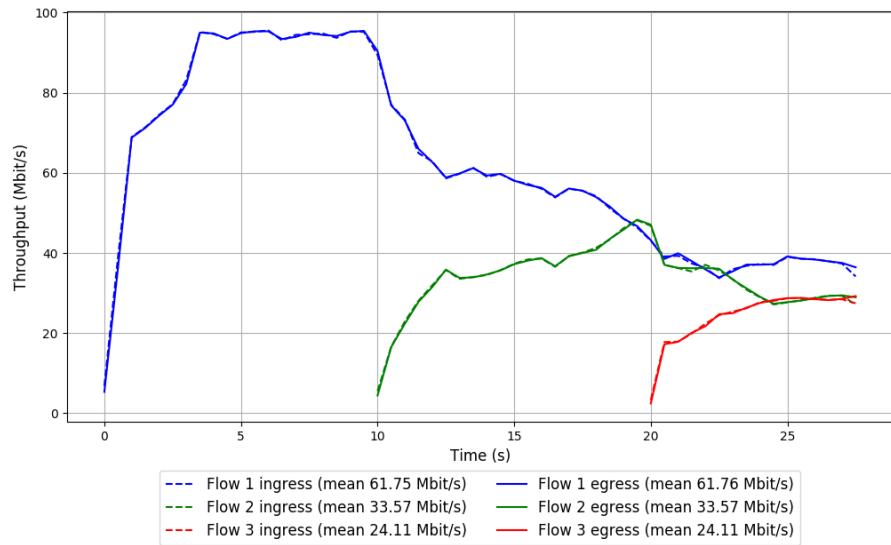


Run 4: Statistics of Copa

```
Start at: 2018-01-02 12:04:01
End at: 2018-01-02 12:04:31
Local clock offset: 1.006 ms
Remote clock offset: 0.46 ms

# Below is generated by plot.py at 2018-01-02 14:56:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 36.613 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.76 Mbit/s
95th percentile per-packet one-way delay: 35.828 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.57 Mbit/s
95th percentile per-packet one-way delay: 36.964 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 38.046 ms
Loss rate: 0.00%
```

Run 4: Report of Copa — Data Link

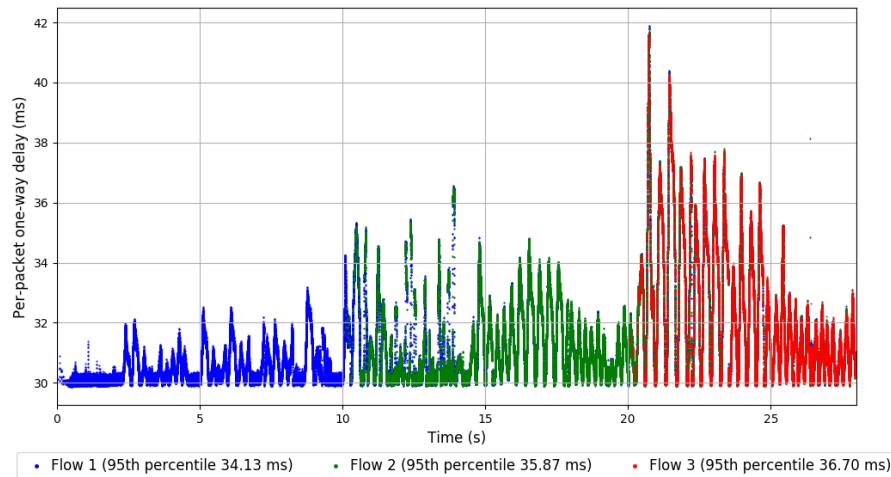
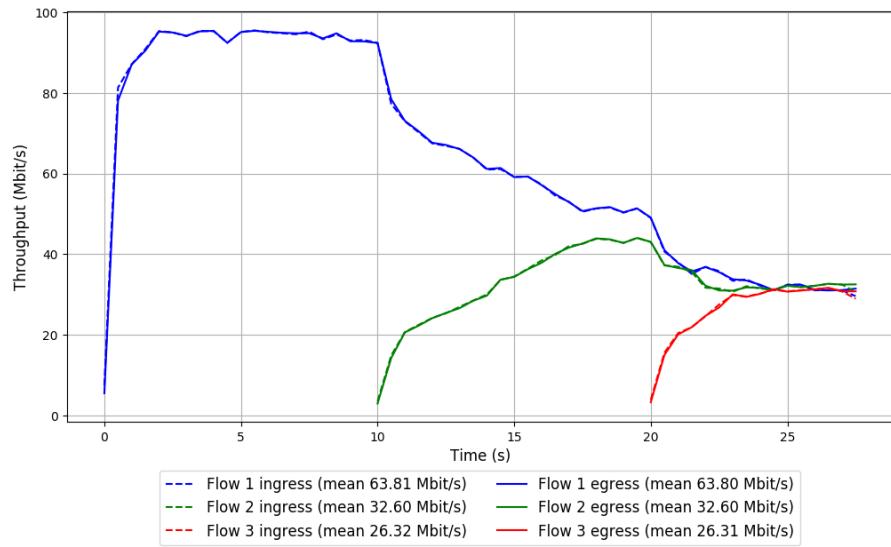


Run 5: Statistics of Copa

```
Start at: 2018-01-02 12:25:00
End at: 2018-01-02 12:25:30
Local clock offset: 0.899 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2018-01-02 14:56:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.18 Mbit/s
95th percentile per-packet one-way delay: 34.953 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 63.80 Mbit/s
95th percentile per-packet one-way delay: 34.129 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 32.60 Mbit/s
95th percentile per-packet one-way delay: 35.869 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 26.31 Mbit/s
95th percentile per-packet one-way delay: 36.698 ms
Loss rate: 0.04%
```

Run 5: Report of Copa — Data Link

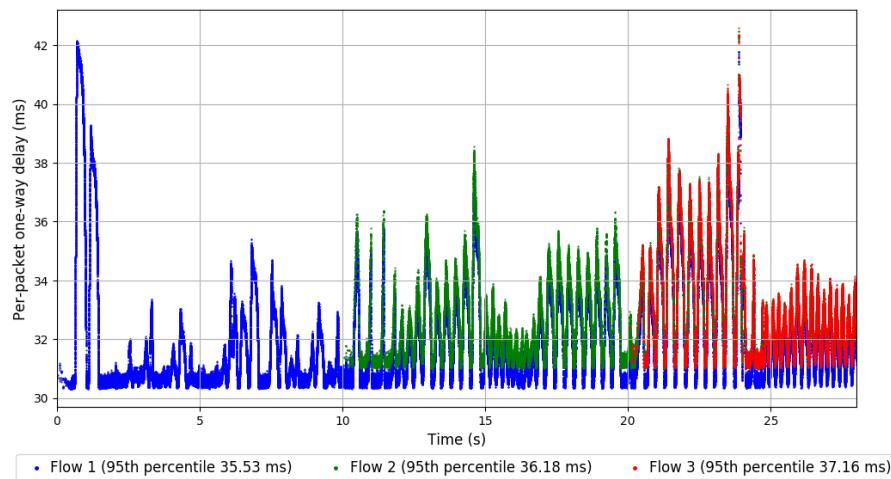
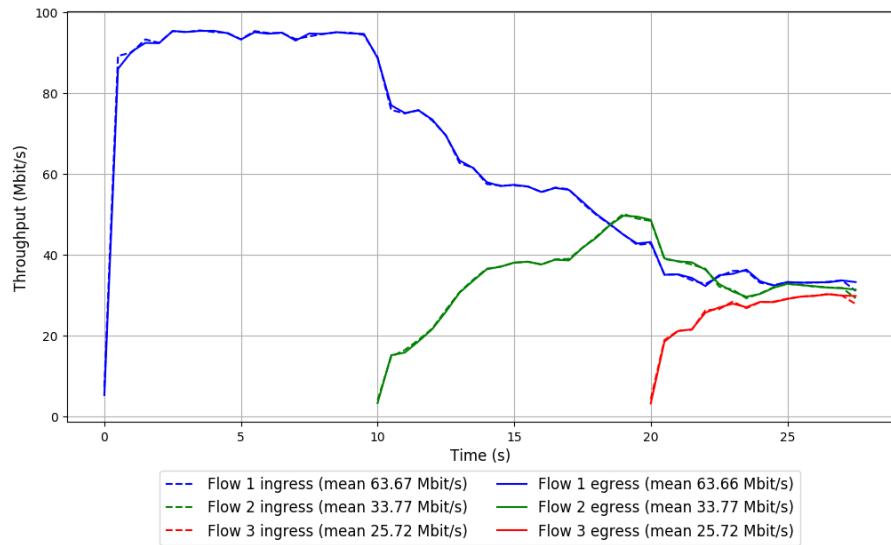


Run 6: Statistics of Copa

```
Start at: 2018-01-02 12:45:42
End at: 2018-01-02 12:46:12
Local clock offset: 0.79 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-01-02 14:56:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.62 Mbit/s
95th percentile per-packet one-way delay: 36.121 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.66 Mbit/s
95th percentile per-packet one-way delay: 35.526 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 36.182 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 37.156 ms
Loss rate: 0.01%
```

Run 6: Report of Copa — Data Link

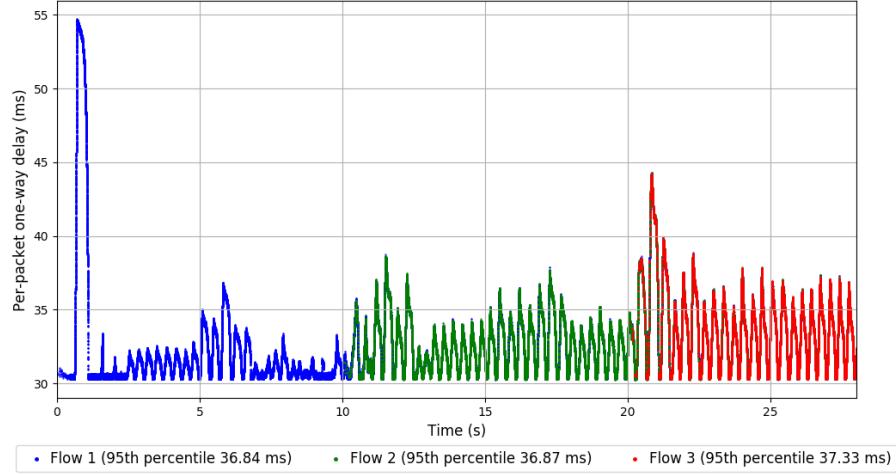
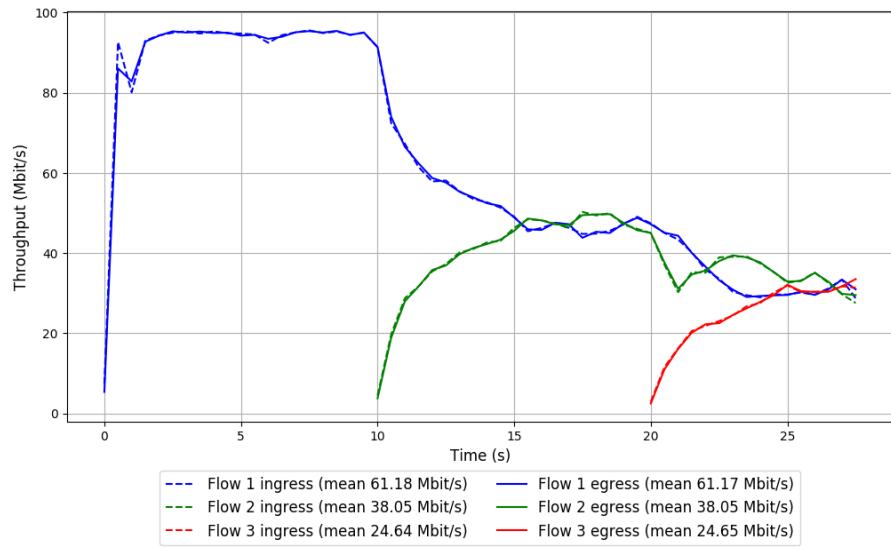


Run 7: Statistics of Copa

```
Start at: 2018-01-02 13:06:21
End at: 2018-01-02 13:06:51
Local clock offset: 0.86 ms
Remote clock offset: -0.64 ms

# Below is generated by plot.py at 2018-01-02 14:56:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 36.911 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.17 Mbit/s
95th percentile per-packet one-way delay: 36.837 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 38.05 Mbit/s
95th percentile per-packet one-way delay: 36.872 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.65 Mbit/s
95th percentile per-packet one-way delay: 37.334 ms
Loss rate: 0.00%
```

Run 7: Report of Copa — Data Link

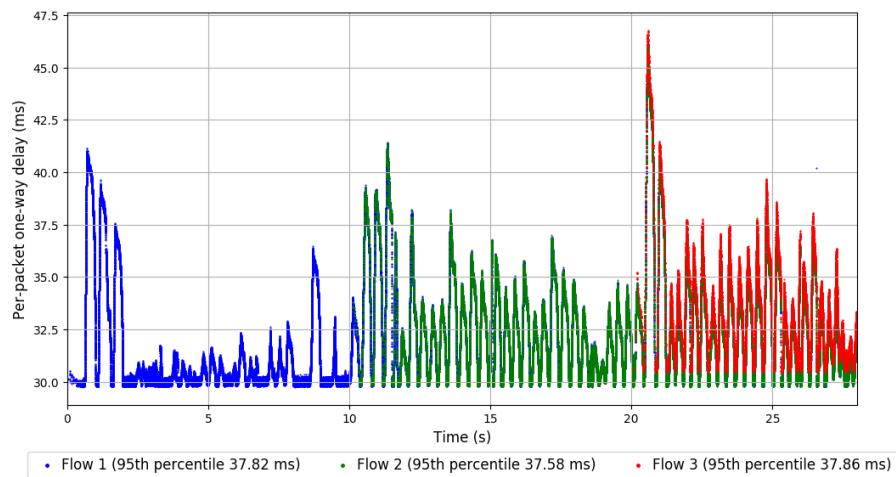
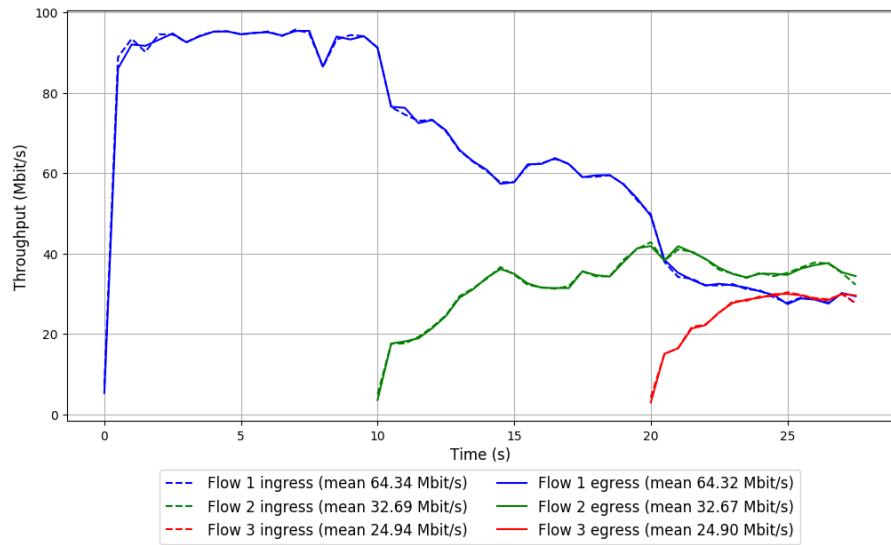


Run 8: Statistics of Copa

```
Start at: 2018-01-02 13:26:57
End at: 2018-01-02 13:27:27
Local clock offset: 0.91 ms
Remote clock offset: -0.968 ms

# Below is generated by plot.py at 2018-01-02 14:57:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.35 Mbit/s
95th percentile per-packet one-way delay: 37.783 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 64.32 Mbit/s
95th percentile per-packet one-way delay: 37.820 ms
Loss rate: 0.02%
-- Flow 2:
Average throughput: 32.67 Mbit/s
95th percentile per-packet one-way delay: 37.583 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 24.90 Mbit/s
95th percentile per-packet one-way delay: 37.863 ms
Loss rate: 0.14%
```

Run 8: Report of Copa — Data Link

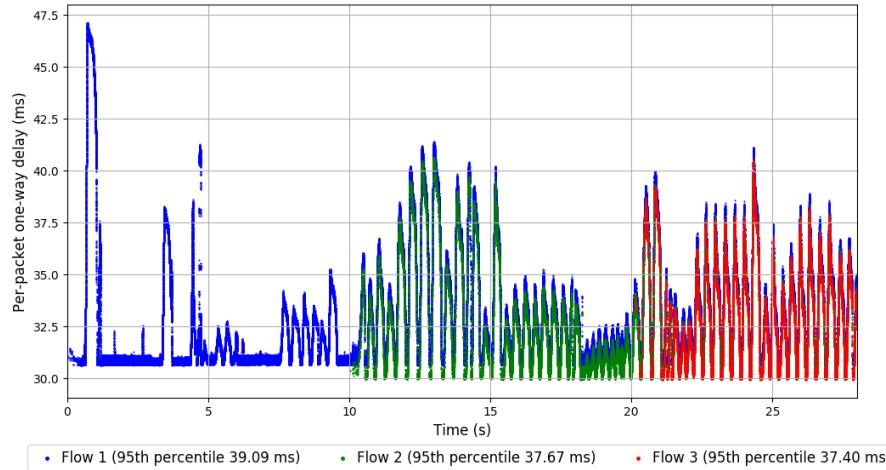
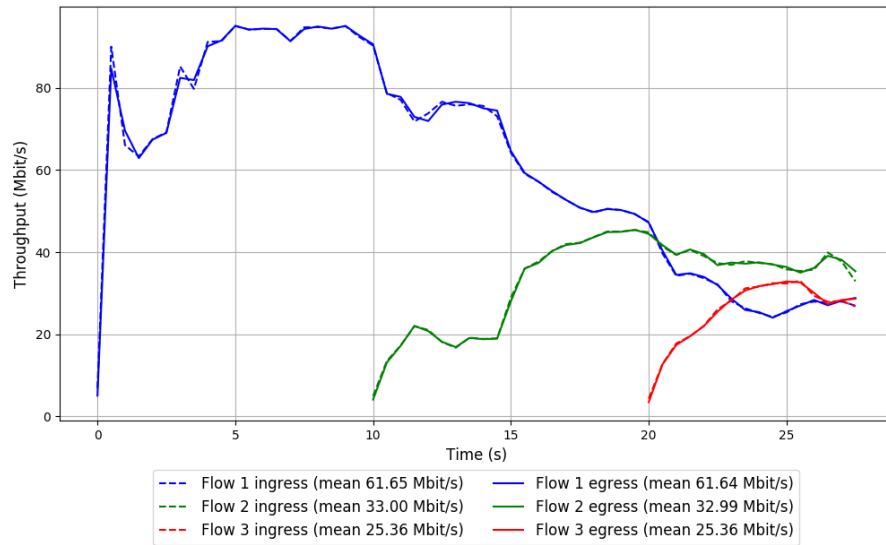


Run 9: Statistics of Copa

```
Start at: 2018-01-02 13:47:39
End at: 2018-01-02 13:48:09
Local clock offset: 0.585 ms
Remote clock offset: -0.583 ms

# Below is generated by plot.py at 2018-01-02 14:58:18
# Datalink statistics
-- Total of 3 flows:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 38.555 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 61.64 Mbit/s
95th percentile per-packet one-way delay: 39.091 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 32.99 Mbit/s
95th percentile per-packet one-way delay: 37.667 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 25.36 Mbit/s
95th percentile per-packet one-way delay: 37.399 ms
Loss rate: 0.00%
```

Run 9: Report of Copa — Data Link

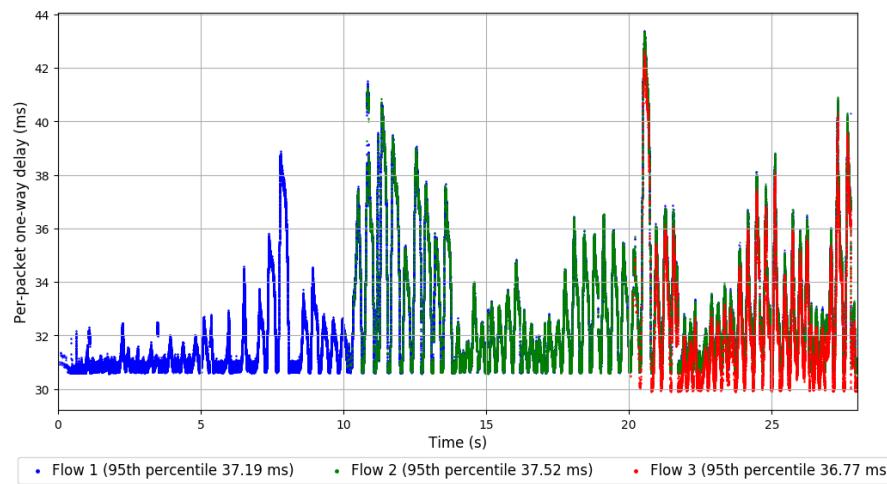
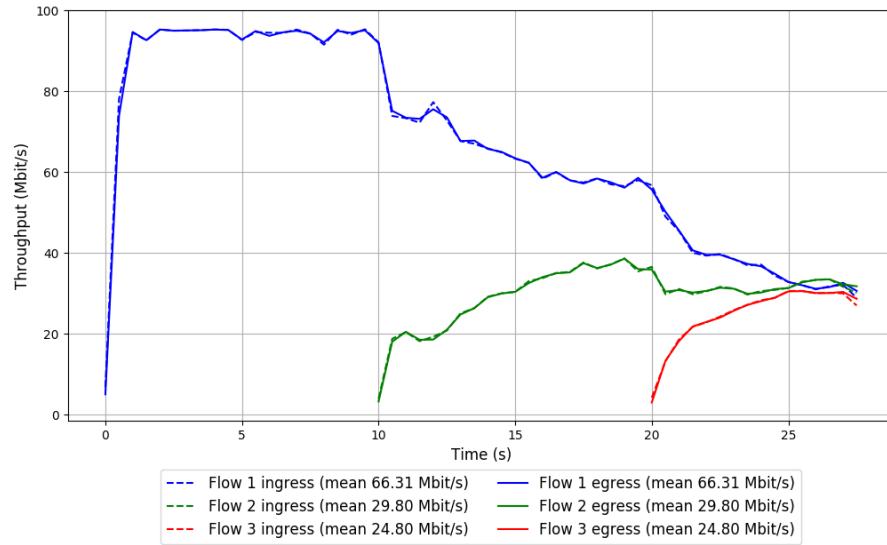


Run 10: Statistics of Copa

```
Start at: 2018-01-02 14:08:50
End at: 2018-01-02 14:09:20
Local clock offset: 0.543 ms
Remote clock offset: -0.57 ms

# Below is generated by plot.py at 2018-01-02 14:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.46 Mbit/s
95th percentile per-packet one-way delay: 37.233 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.31 Mbit/s
95th percentile per-packet one-way delay: 37.191 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 37.522 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 24.80 Mbit/s
95th percentile per-packet one-way delay: 36.767 ms
Loss rate: 0.00%
```

Run 10: Report of Copa — Data Link

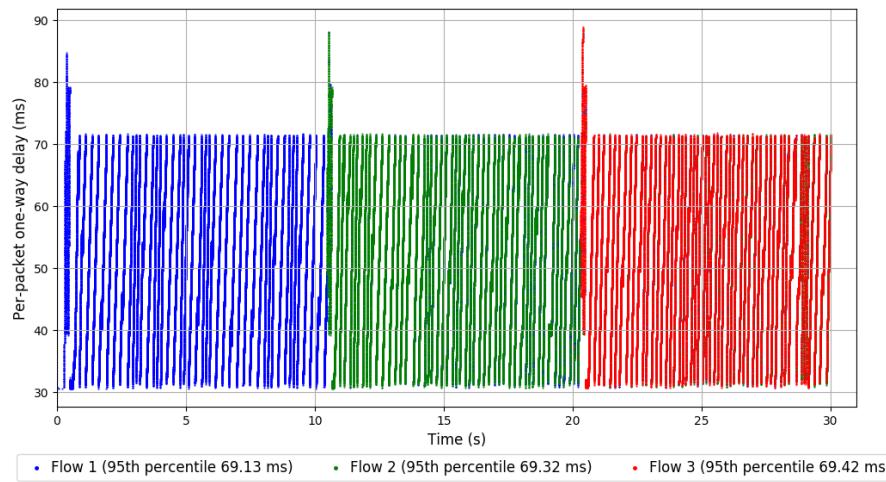
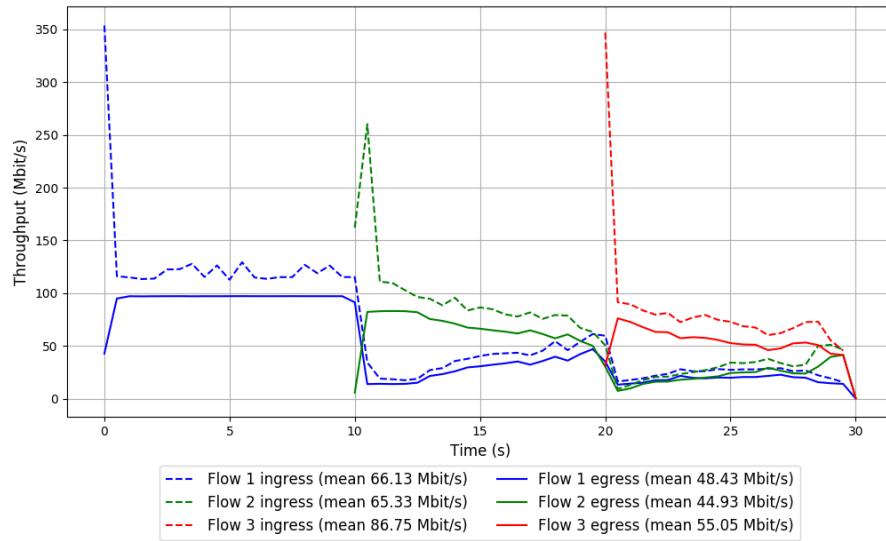


```
Run 1: Statistics of FillP

Start at: 2018-01-02 10:50:16
End at: 2018-01-02 10:50:46
Local clock offset: 0.698 ms
Remote clock offset: 0.836 ms

# Below is generated by plot.py at 2018-01-02 14:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 69.243 ms
Loss rate: 30.29%
-- Flow 1:
Average throughput: 48.43 Mbit/s
95th percentile per-packet one-way delay: 69.128 ms
Loss rate: 26.69%
-- Flow 2:
Average throughput: 44.93 Mbit/s
95th percentile per-packet one-way delay: 69.321 ms
Loss rate: 31.72%
-- Flow 3:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 69.420 ms
Loss rate: 36.39%
```

Run 1: Report of FillP — Data Link

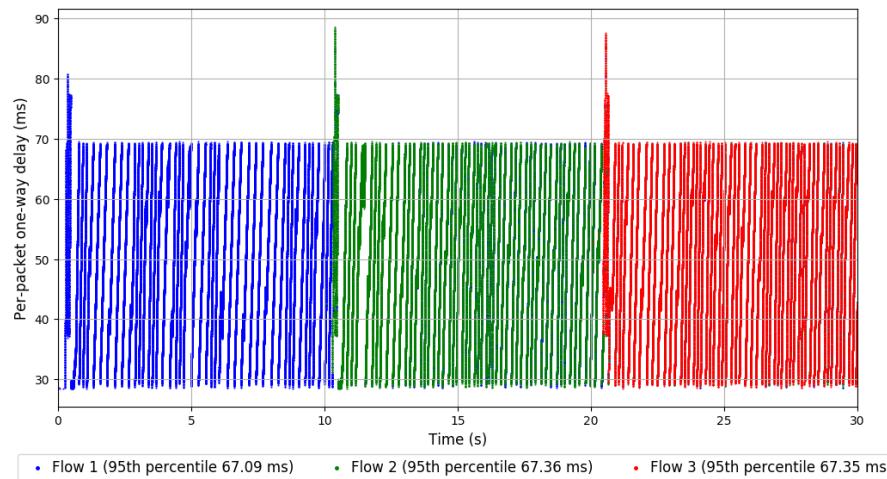
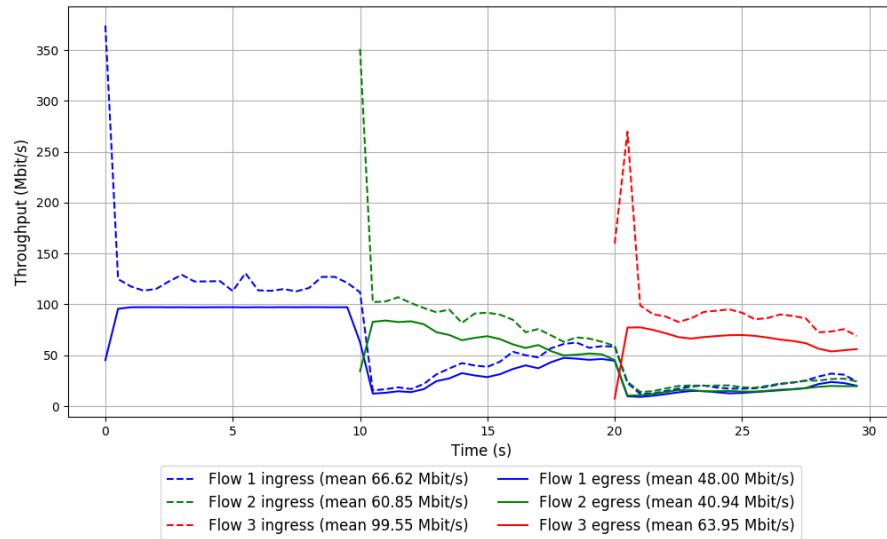


Run 2: Statistics of FillP

```
Start at: 2018-01-02 11:11:12
End at: 2018-01-02 11:11:42
Local clock offset: 0.828 ms
Remote clock offset: -1.984 ms

# Below is generated by plot.py at 2018-01-02 14:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 67.234 ms
Loss rate: 31.17%
-- Flow 1:
Average throughput: 48.00 Mbit/s
95th percentile per-packet one-way delay: 67.095 ms
Loss rate: 27.92%
-- Flow 2:
Average throughput: 40.94 Mbit/s
95th percentile per-packet one-way delay: 67.364 ms
Loss rate: 32.72%
-- Flow 3:
Average throughput: 63.95 Mbit/s
95th percentile per-packet one-way delay: 67.351 ms
Loss rate: 35.83%
```

Run 2: Report of FillP — Data Link

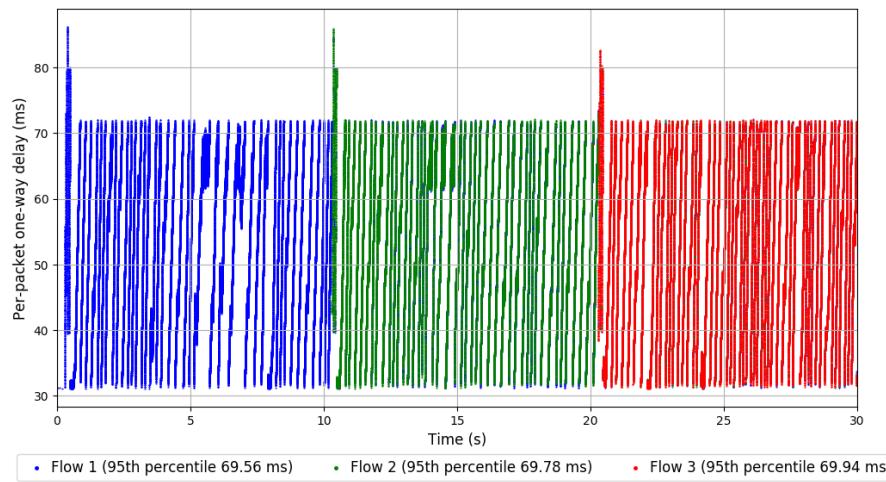
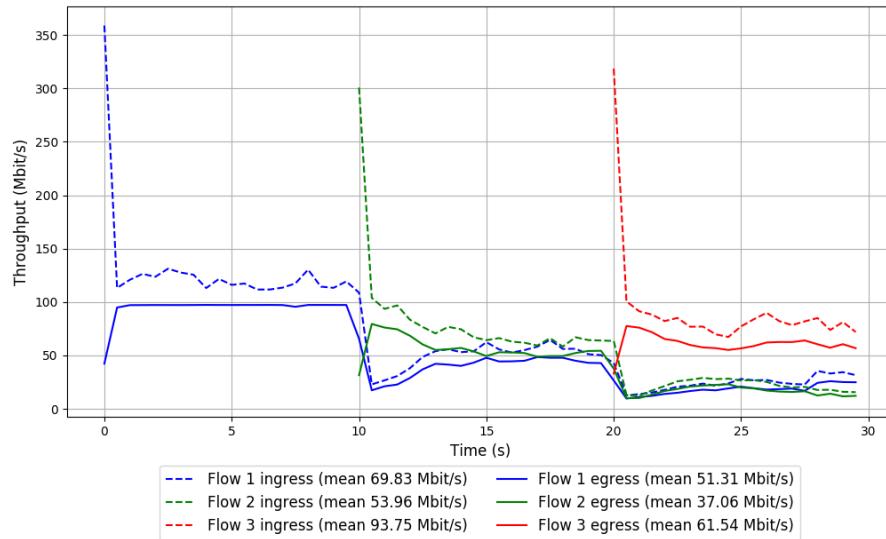


Run 3: Statistics of FillP

```
Start at: 2018-01-02 11:32:03
End at: 2018-01-02 11:32:33
Local clock offset: 0.907 ms
Remote clock offset: 0.536 ms

# Below is generated by plot.py at 2018-01-02 14:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 69.693 ms
Loss rate: 29.62%
-- Flow 1:
Average throughput: 51.31 Mbit/s
95th percentile per-packet one-way delay: 69.559 ms
Loss rate: 26.51%
-- Flow 2:
Average throughput: 37.06 Mbit/s
95th percentile per-packet one-way delay: 69.779 ms
Loss rate: 31.35%
-- Flow 3:
Average throughput: 61.54 Mbit/s
95th percentile per-packet one-way delay: 69.935 ms
Loss rate: 34.59%
```

Run 3: Report of FillP — Data Link

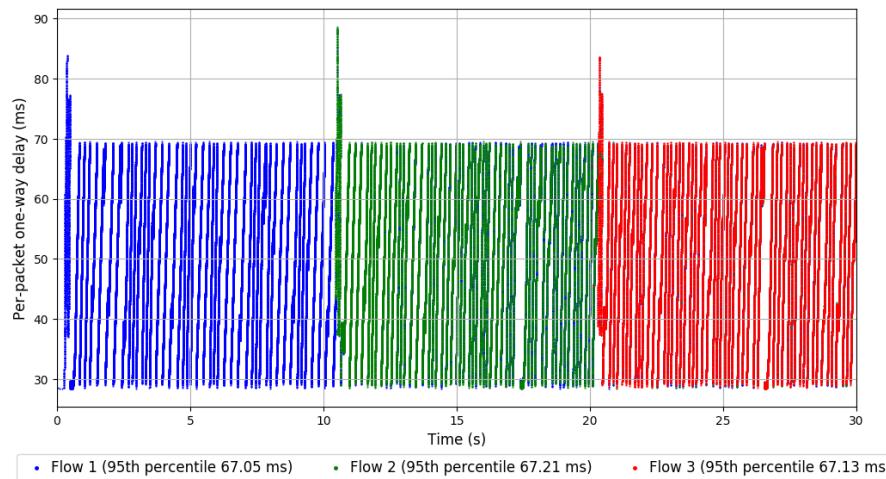
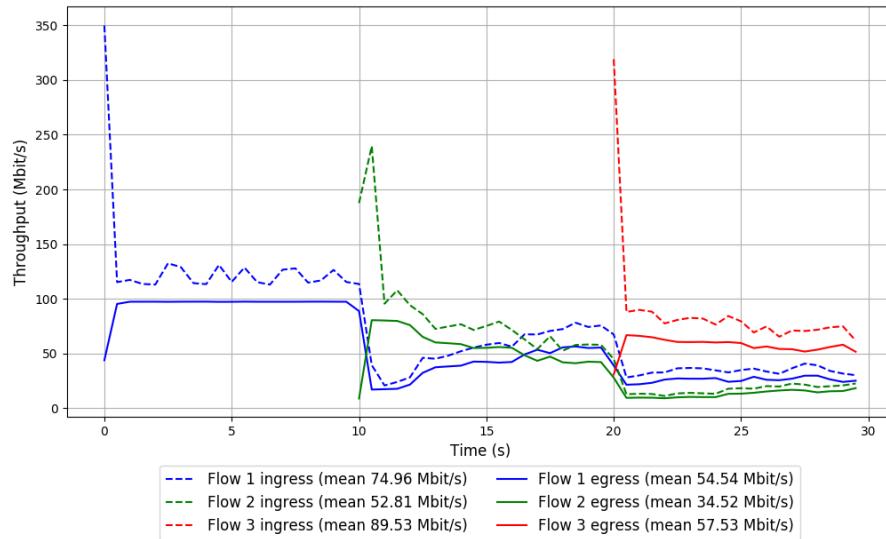


Run 4: Statistics of FillP

```
Start at: 2018-01-02 11:53:06
End at: 2018-01-02 11:53:36
Local clock offset: 0.988 ms
Remote clock offset: -1.946 ms

# Below is generated by plot.py at 2018-01-02 14:58:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 67.098 ms
Loss rate: 31.06%
-- Flow 1:
Average throughput: 54.54 Mbit/s
95th percentile per-packet one-way delay: 67.053 ms
Loss rate: 27.21%
-- Flow 2:
Average throughput: 34.52 Mbit/s
95th percentile per-packet one-way delay: 67.206 ms
Loss rate: 35.16%
-- Flow 3:
Average throughput: 57.53 Mbit/s
95th percentile per-packet one-way delay: 67.133 ms
Loss rate: 35.89%
```

Run 4: Report of FillP — Data Link

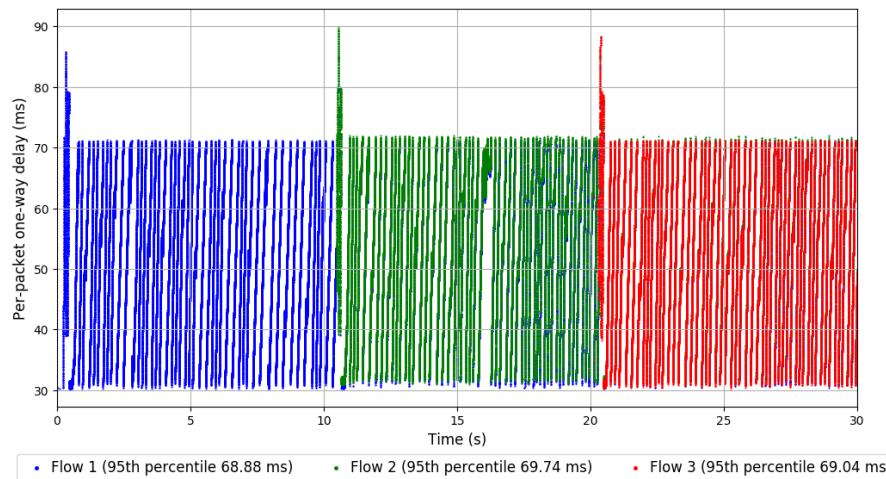
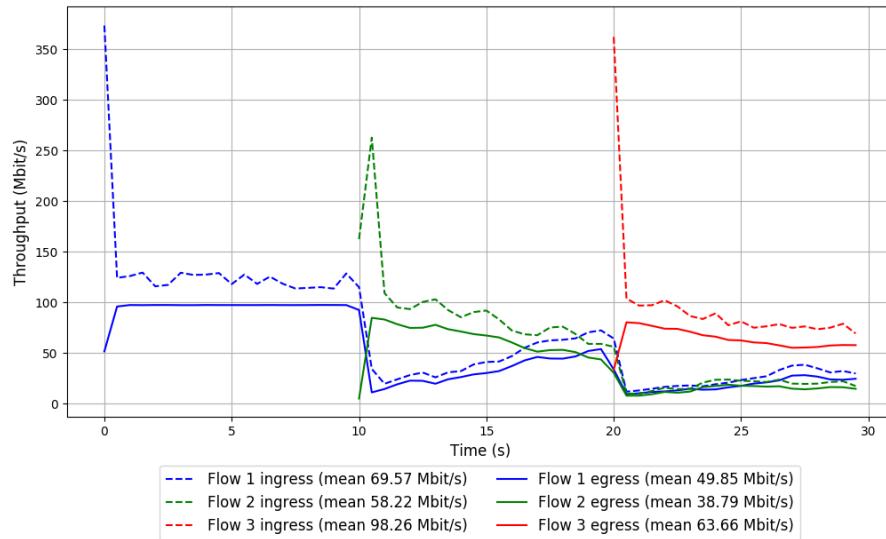


Run 5: Statistics of FillP

```
Start at: 2018-01-02 12:13:58
End at: 2018-01-02 12:14:28
Local clock offset: 0.951 ms
Remote clock offset: 0.337 ms

# Below is generated by plot.py at 2018-01-02 14:58:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.52 Mbit/s
95th percentile per-packet one-way delay: 69.147 ms
Loss rate: 31.46%
-- Flow 1:
Average throughput: 49.85 Mbit/s
95th percentile per-packet one-way delay: 68.883 ms
Loss rate: 28.31%
-- Flow 2:
Average throughput: 38.79 Mbit/s
95th percentile per-packet one-way delay: 69.736 ms
Loss rate: 33.89%
-- Flow 3:
Average throughput: 63.66 Mbit/s
95th percentile per-packet one-way delay: 69.037 ms
Loss rate: 35.29%
```

Run 5: Report of FillP — Data Link

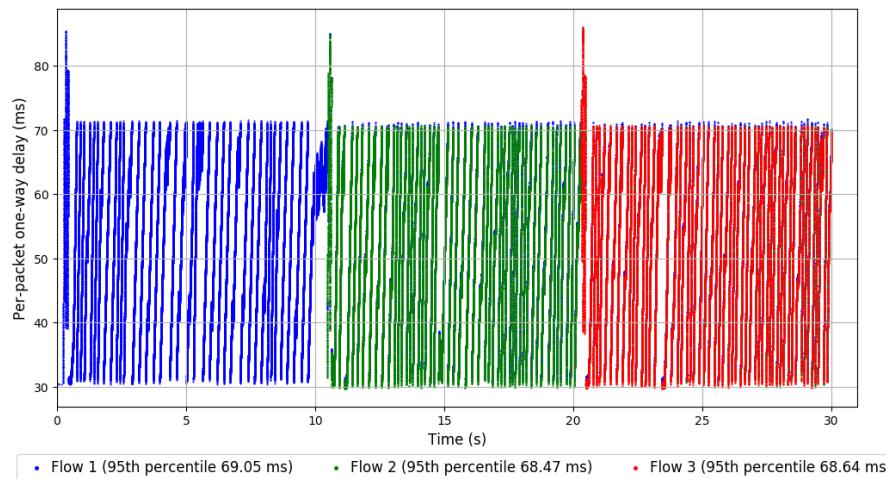
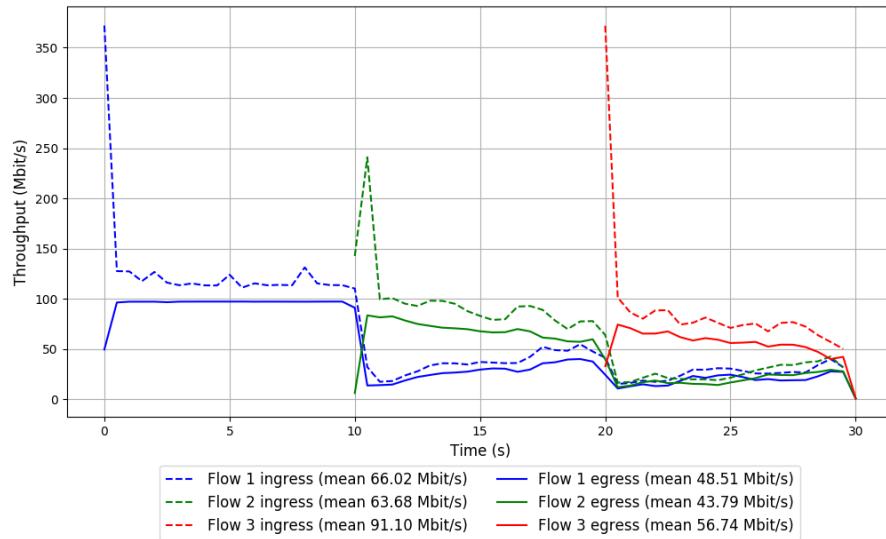


Run 6: Statistics of FillP

```
Start at: 2018-01-02 12:34:45
End at: 2018-01-02 12:35:15
Local clock offset: 0.872 ms
Remote clock offset: -0.295 ms

# Below is generated by plot.py at 2018-01-02 14:59:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.47 Mbit/s
95th percentile per-packet one-way delay: 68.801 ms
Loss rate: 30.32%
-- Flow 1:
Average throughput: 48.51 Mbit/s
95th percentile per-packet one-way delay: 69.052 ms
Loss rate: 26.44%
-- Flow 2:
Average throughput: 43.79 Mbit/s
95th percentile per-packet one-way delay: 68.466 ms
Loss rate: 31.23%
-- Flow 3:
Average throughput: 56.74 Mbit/s
95th percentile per-packet one-way delay: 68.644 ms
Loss rate: 37.53%
```

Run 6: Report of FillP — Data Link

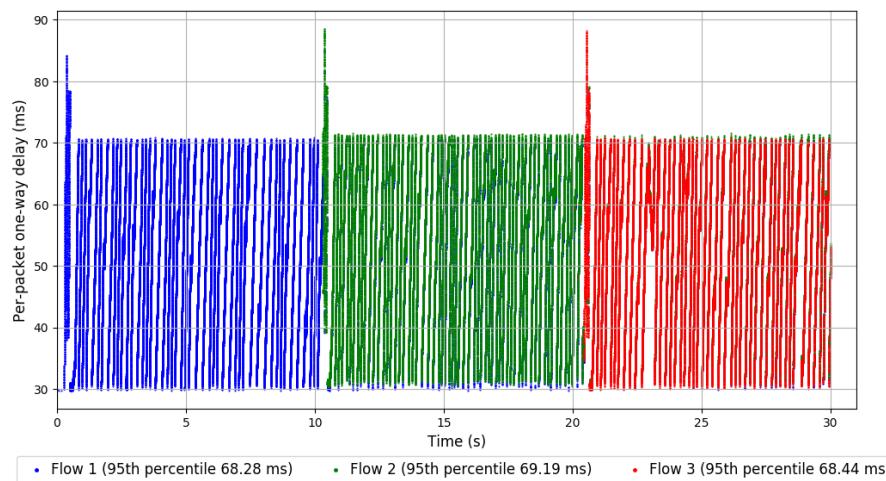
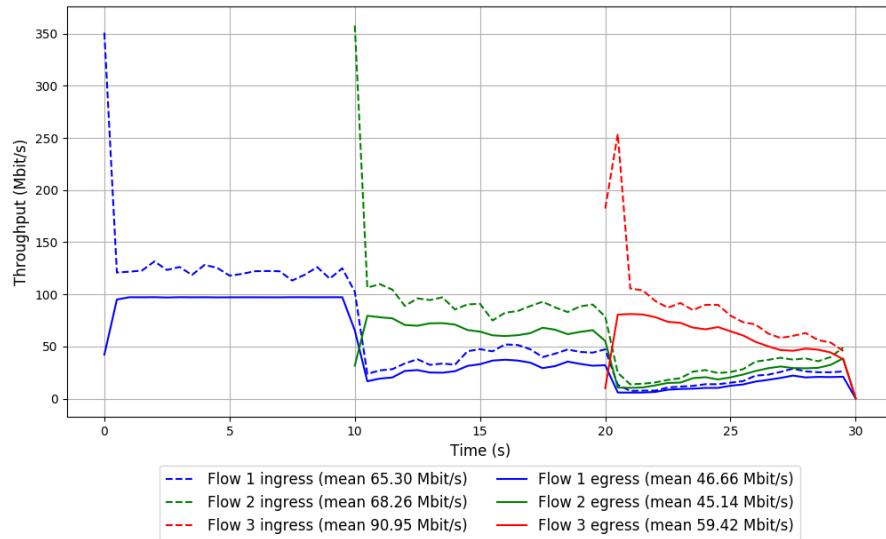


Run 7: Statistics of FillP

```
Start at: 2018-01-02 12:55:26
End at: 2018-01-02 12:55:56
Local clock offset: 0.887 ms
Remote clock offset: -0.868 ms

# Below is generated by plot.py at 2018-01-02 15:00:03
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 68.601 ms
Loss rate: 31.57%
-- Flow 1:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 68.280 ms
Loss rate: 28.49%
-- Flow 2:
Average throughput: 45.14 Mbit/s
95th percentile per-packet one-way delay: 69.192 ms
Loss rate: 33.91%
-- Flow 3:
Average throughput: 59.42 Mbit/s
95th percentile per-packet one-way delay: 68.439 ms
Loss rate: 34.71%
```

Run 7: Report of FillP — Data Link

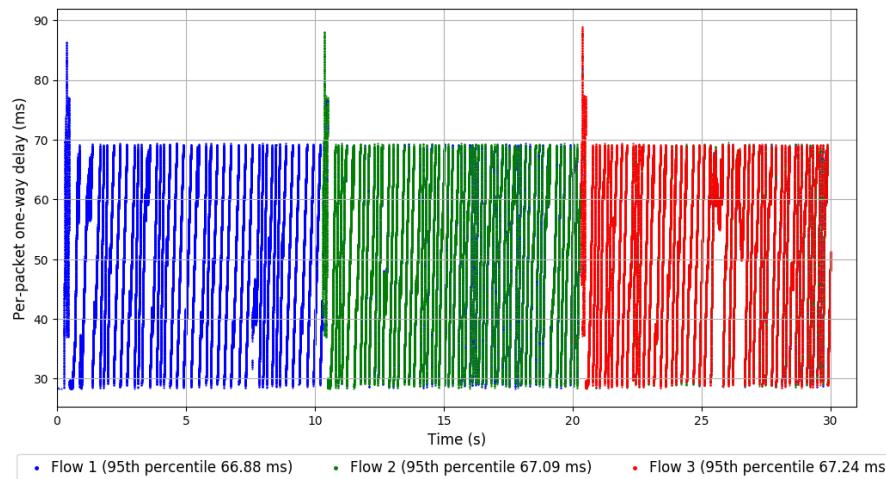
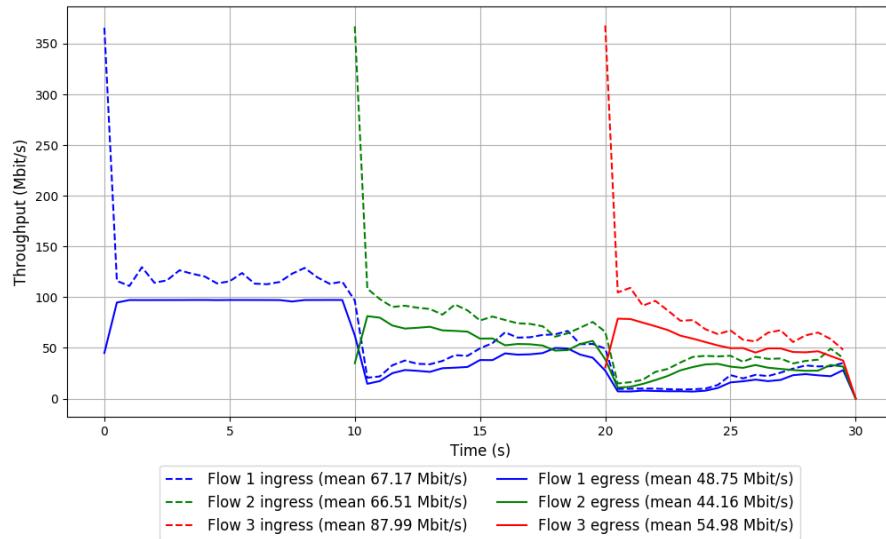


Run 8: Statistics of FillP

```
Start at: 2018-01-02 13:16:07
End at: 2018-01-02 13:16:37
Local clock offset: 0.962 ms
Remote clock offset: -3.159 ms

# Below is generated by plot.py at 2018-01-02 15:00:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 67.017 ms
Loss rate: 31.42%
-- Flow 1:
Average throughput: 48.75 Mbit/s
95th percentile per-packet one-way delay: 66.880 ms
Loss rate: 27.38%
-- Flow 2:
Average throughput: 44.16 Mbit/s
95th percentile per-packet one-way delay: 67.089 ms
Loss rate: 33.59%
-- Flow 3:
Average throughput: 54.98 Mbit/s
95th percentile per-packet one-way delay: 67.241 ms
Loss rate: 37.42%
```

Run 8: Report of FillP — Data Link

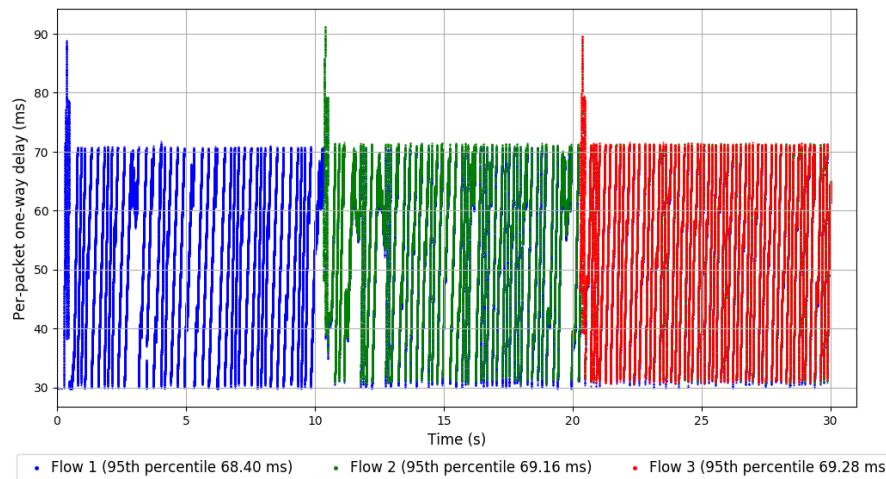
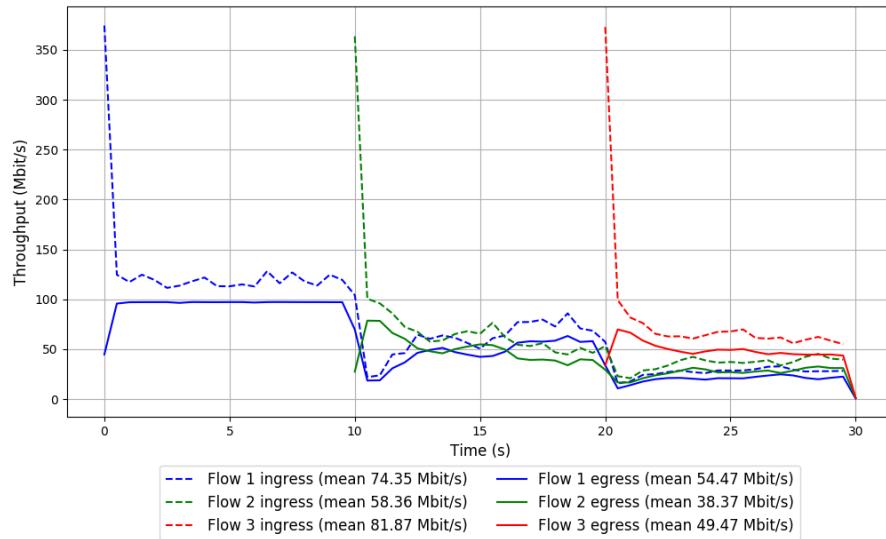


Run 9: Statistics of FillP

```
Start at: 2018-01-02 13:36:48
End at: 2018-01-02 13:37:18
Local clock offset: 0.782 ms
Remote clock offset: -0.872 ms

# Below is generated by plot.py at 2018-01-02 15:00:10
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 68.751 ms
Loss rate: 31.23%
-- Flow 1:
Average throughput: 54.47 Mbit/s
95th percentile per-packet one-way delay: 68.403 ms
Loss rate: 26.65%
-- Flow 2:
Average throughput: 38.37 Mbit/s
95th percentile per-packet one-way delay: 69.158 ms
Loss rate: 34.25%
-- Flow 3:
Average throughput: 49.47 Mbit/s
95th percentile per-packet one-way delay: 69.282 ms
Loss rate: 39.42%
```

Run 9: Report of FillP — Data Link

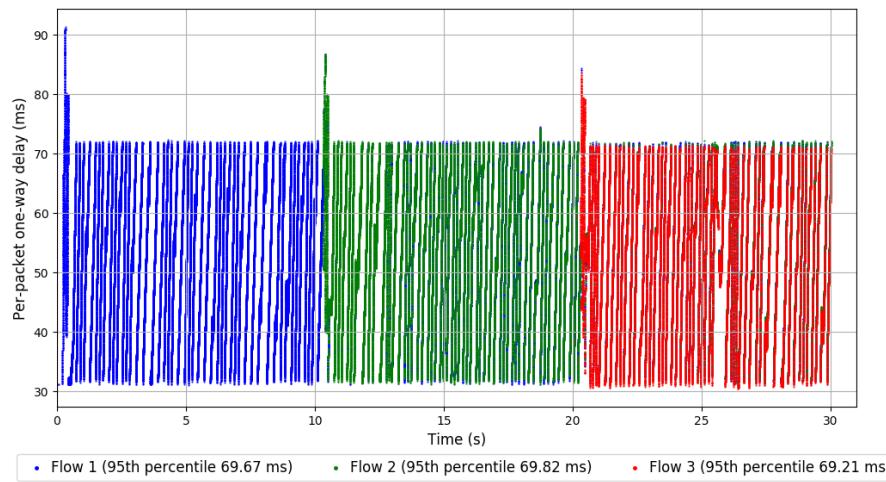
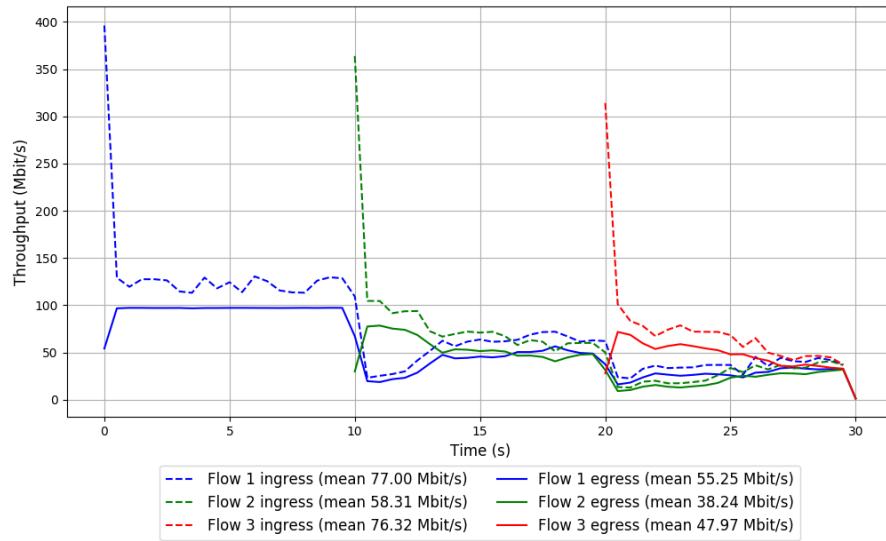


Run 10: Statistics of FillP

```
Start at: 2018-01-02 13:57:46
End at: 2018-01-02 13:58:16
Local clock offset: 0.454 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-01-02 15:00:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.60 Mbit/s
95th percentile per-packet one-way delay: 69.630 ms
Loss rate: 31.46%
-- Flow 1:
Average throughput: 55.25 Mbit/s
95th percentile per-packet one-way delay: 69.675 ms
Loss rate: 28.15%
-- Flow 2:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 69.817 ms
Loss rate: 34.43%
-- Flow 3:
Average throughput: 47.97 Mbit/s
95th percentile per-packet one-way delay: 69.209 ms
Loss rate: 36.95%
```

Run 10: Report of FillP — Data Link

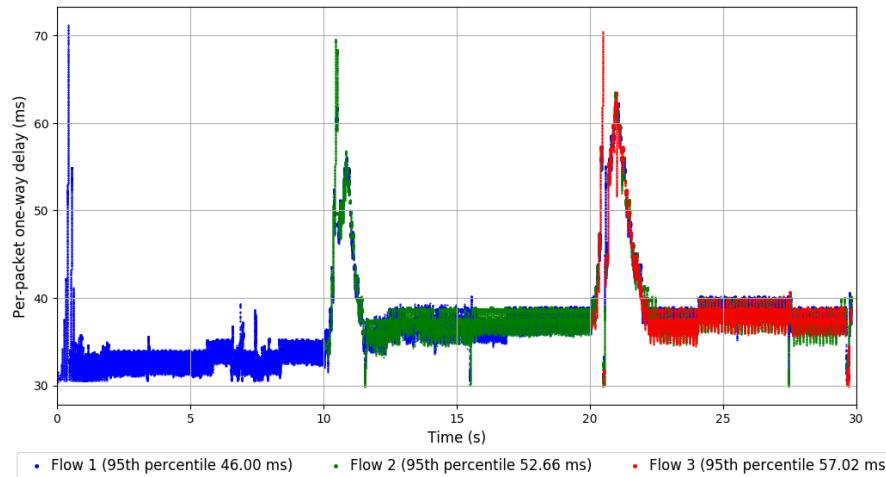
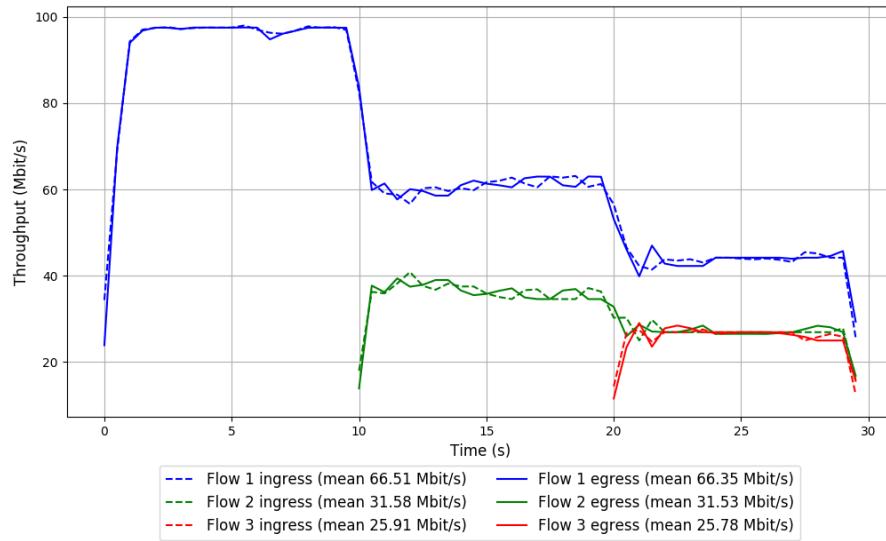


Run 1: Statistics of Indigo

```
Start at: 2018-01-02 10:54:22
End at: 2018-01-02 10:54:52
Local clock offset: 0.816 ms
Remote clock offset: 0.603 ms

# Below is generated by plot.py at 2018-01-02 15:00:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.68 Mbit/s
95th percentile per-packet one-way delay: 49.656 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 66.35 Mbit/s
95th percentile per-packet one-way delay: 46.003 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 31.53 Mbit/s
95th percentile per-packet one-way delay: 52.660 ms
Loss rate: 0.14%
-- Flow 3:
Average throughput: 25.78 Mbit/s
95th percentile per-packet one-way delay: 57.021 ms
Loss rate: 0.46%
```

## Run 1: Report of Indigo — Data Link

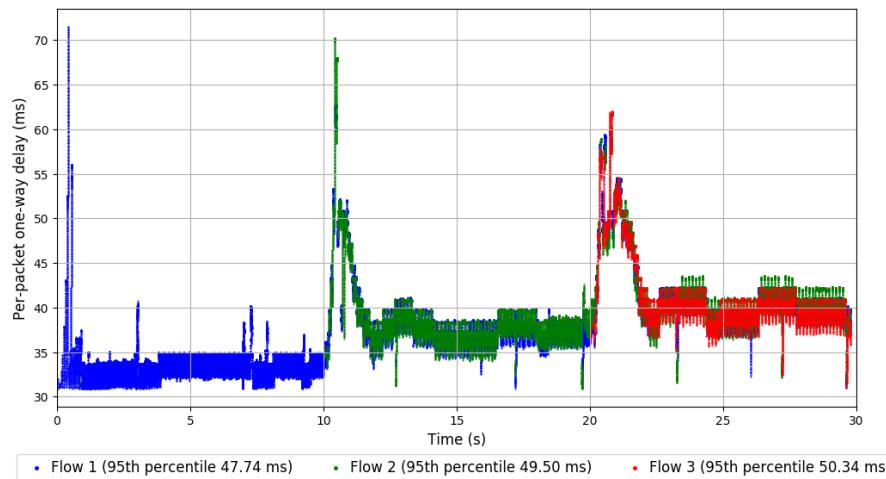
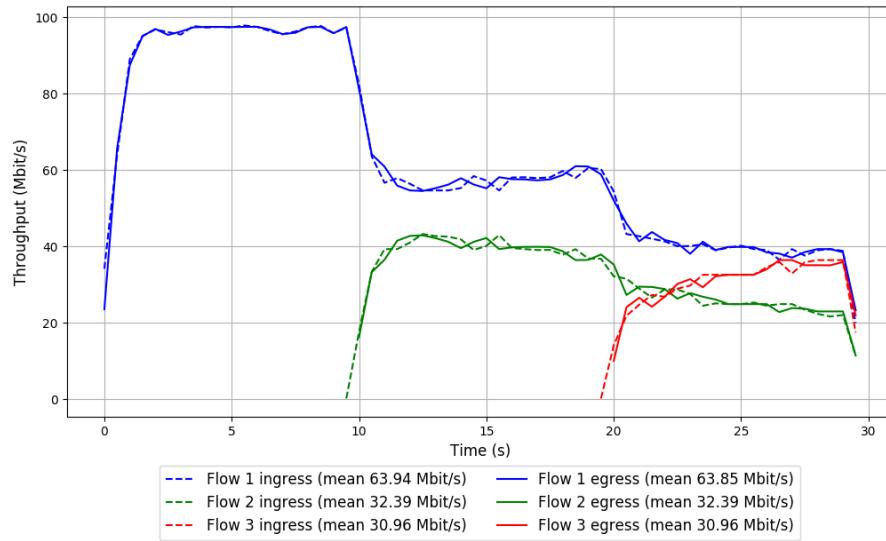


Run 2: Statistics of Indigo

```
Start at: 2018-01-02 11:15:15
End at: 2018-01-02 11:15:45
Local clock offset: 0.95 ms
Remote clock offset: 0.449 ms

# Below is generated by plot.py at 2018-01-02 15:00:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 48.376 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 63.85 Mbit/s
95th percentile per-packet one-way delay: 47.740 ms
Loss rate: 0.11%
-- Flow 2:
Average throughput: 32.39 Mbit/s
95th percentile per-packet one-way delay: 49.504 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 30.96 Mbit/s
95th percentile per-packet one-way delay: 50.340 ms
Loss rate: 0.00%
```

## Run 2: Report of Indigo — Data Link

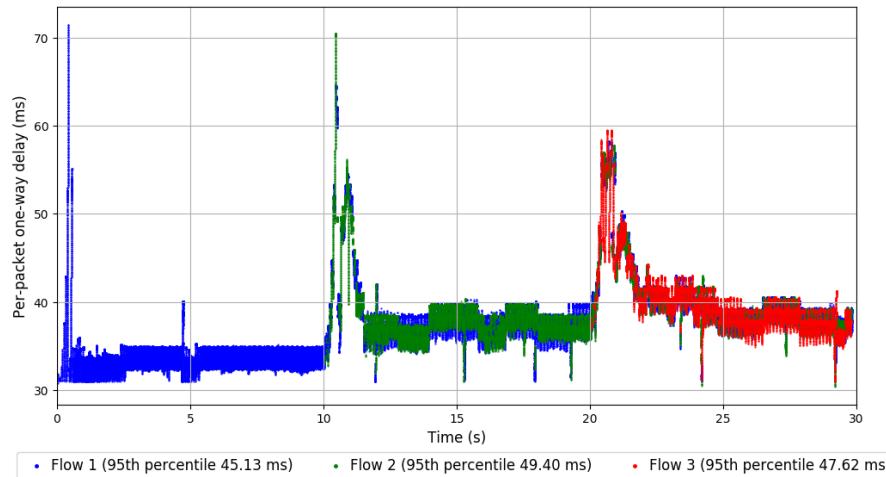
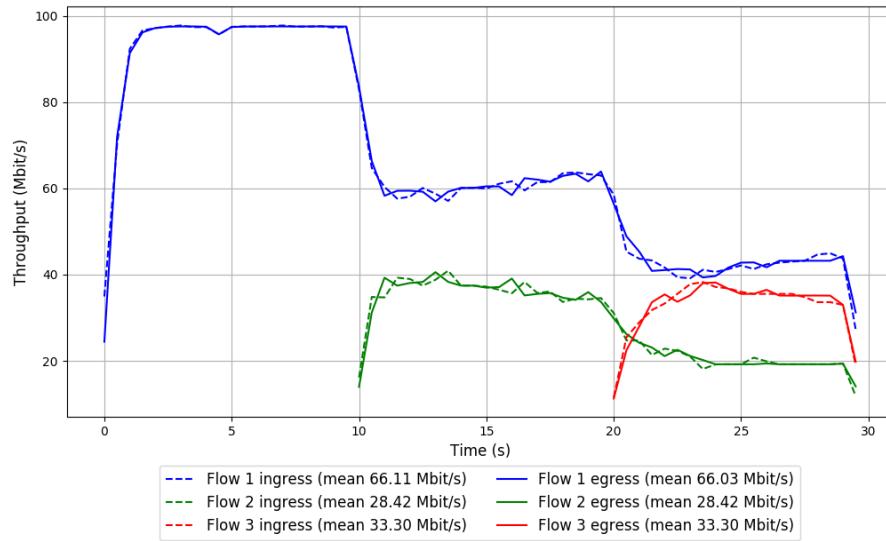


Run 3: Statistics of Indigo

```
Start at: 2018-01-02 11:36:12
End at: 2018-01-02 11:36:42
Local clock offset: 1.018 ms
Remote clock offset: 0.491 ms

# Below is generated by plot.py at 2018-01-02 15:00:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 46.696 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 66.03 Mbit/s
95th percentile per-packet one-way delay: 45.130 ms
Loss rate: 0.10%
-- Flow 2:
Average throughput: 28.42 Mbit/s
95th percentile per-packet one-way delay: 49.400 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 33.30 Mbit/s
95th percentile per-packet one-way delay: 47.616 ms
Loss rate: 0.00%
```

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

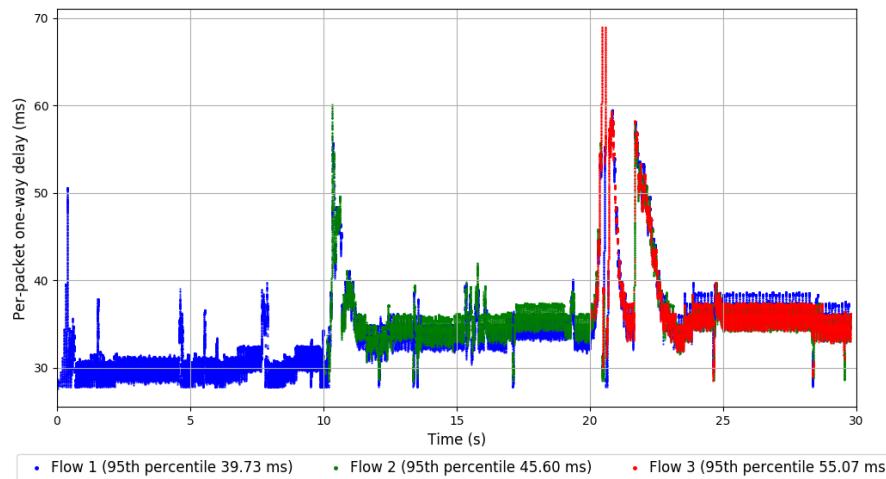
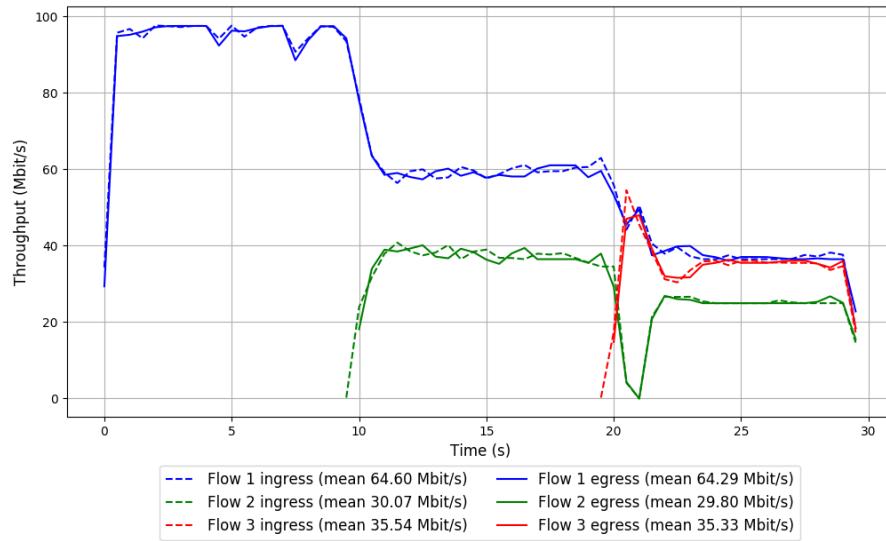


Run 4: Statistics of Indigo

```
Start at: 2018-01-02 11:57:10
End at: 2018-01-02 11:57:40
Local clock offset: 0.905 ms
Remote clock offset: -2.066 ms

# Below is generated by plot.py at 2018-01-02 15:00:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 44.661 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 64.29 Mbit/s
95th percentile per-packet one-way delay: 39.731 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 29.80 Mbit/s
95th percentile per-packet one-way delay: 45.602 ms
Loss rate: 0.84%
-- Flow 3:
Average throughput: 35.33 Mbit/s
95th percentile per-packet one-way delay: 55.070 ms
Loss rate: 0.57%
```

Run 4: Report of Indigo — Data Link

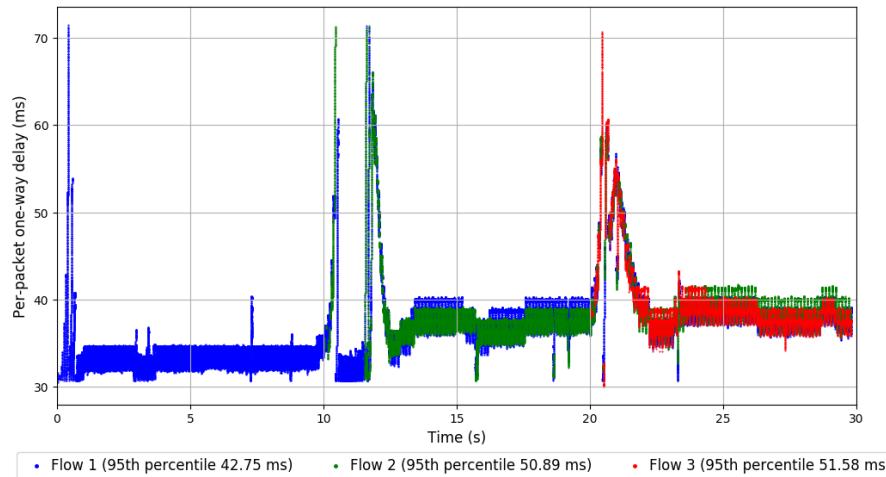
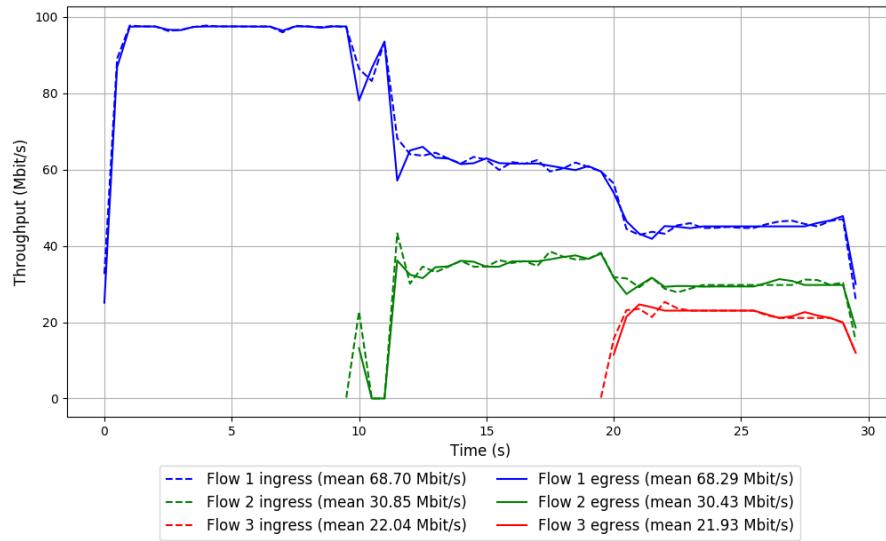


Run 5: Statistics of Indigo

```
Start at: 2018-01-02 12:18:05
End at: 2018-01-02 12:18:35
Local clock offset: 0.801 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-01-02 15:01:09
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 46.181 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 68.29 Mbit/s
95th percentile per-packet one-way delay: 42.746 ms
Loss rate: 0.57%
-- Flow 2:
Average throughput: 30.43 Mbit/s
95th percentile per-packet one-way delay: 50.892 ms
Loss rate: 1.33%
-- Flow 3:
Average throughput: 21.93 Mbit/s
95th percentile per-packet one-way delay: 51.577 ms
Loss rate: 0.53%
```

Run 5: Report of Indigo — Data Link

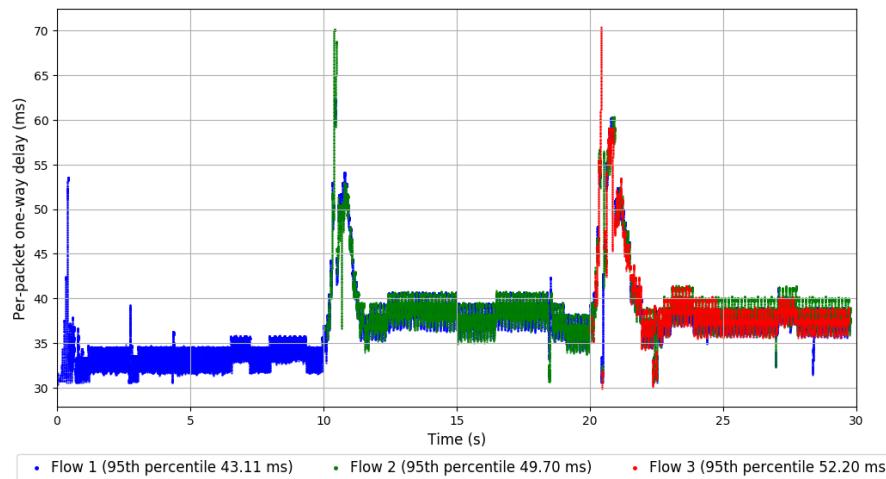
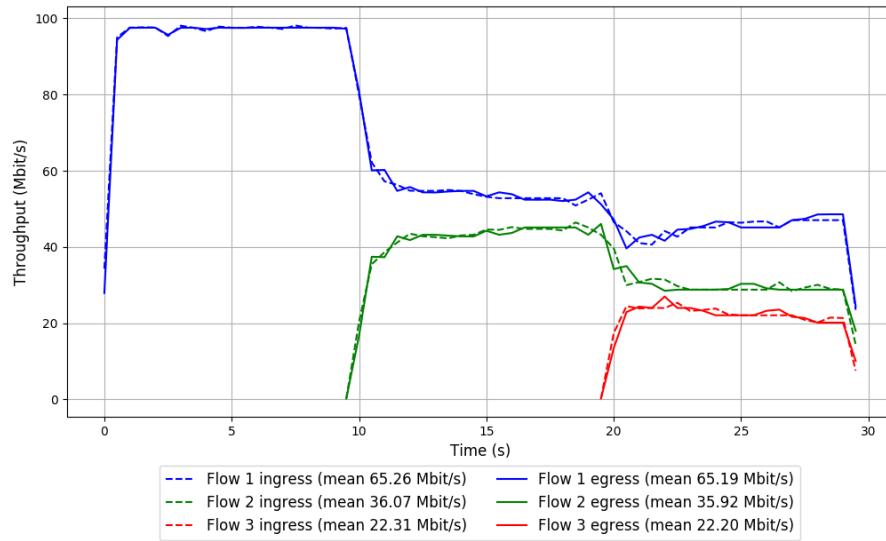


Run 6: Statistics of Indigo

```
Start at: 2018-01-02 12:38:57
End at: 2018-01-02 12:39:27
Local clock offset: 0.769 ms
Remote clock offset: -0.321 ms

# Below is generated by plot.py at 2018-01-02 15:01:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.31 Mbit/s
95th percentile per-packet one-way delay: 47.234 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 65.19 Mbit/s
95th percentile per-packet one-way delay: 43.108 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 35.92 Mbit/s
95th percentile per-packet one-way delay: 49.700 ms
Loss rate: 0.41%
-- Flow 3:
Average throughput: 22.20 Mbit/s
95th percentile per-packet one-way delay: 52.205 ms
Loss rate: 0.46%
```

## Run 6: Report of Indigo — Data Link

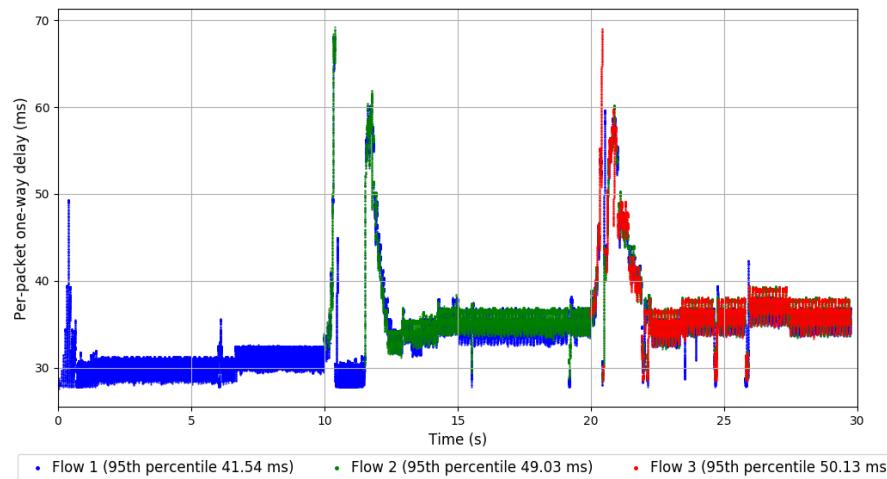
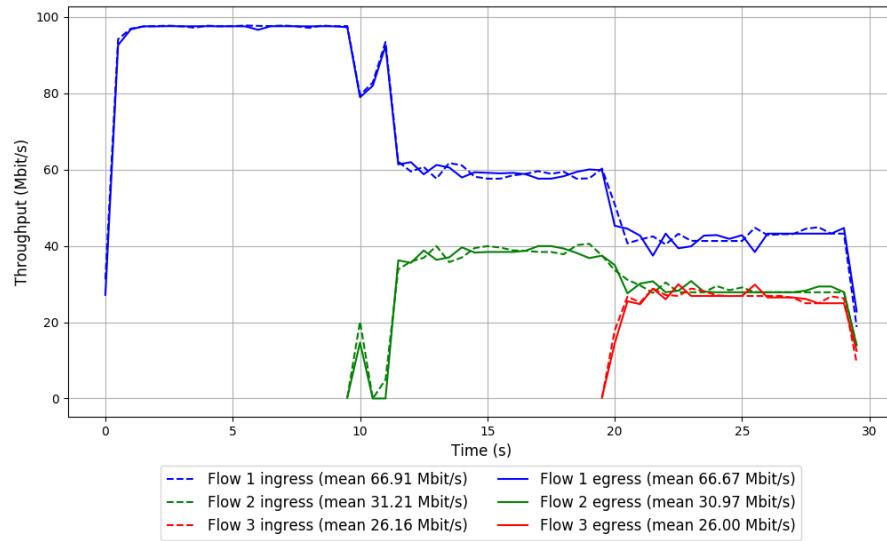


Run 7: Statistics of Indigo

```
Start at: 2018-01-02 12:59:30
End at: 2018-01-02 13:00:00
Local clock offset: 0.845 ms
Remote clock offset: -3.074 ms

# Below is generated by plot.py at 2018-01-02 15:01:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 45.208 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 66.67 Mbit/s
95th percentile per-packet one-way delay: 41.544 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 30.97 Mbit/s
95th percentile per-packet one-way delay: 49.026 ms
Loss rate: 0.76%
-- Flow 3:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 50.126 ms
Loss rate: 0.62%
```

Run 7: Report of Indigo — Data Link

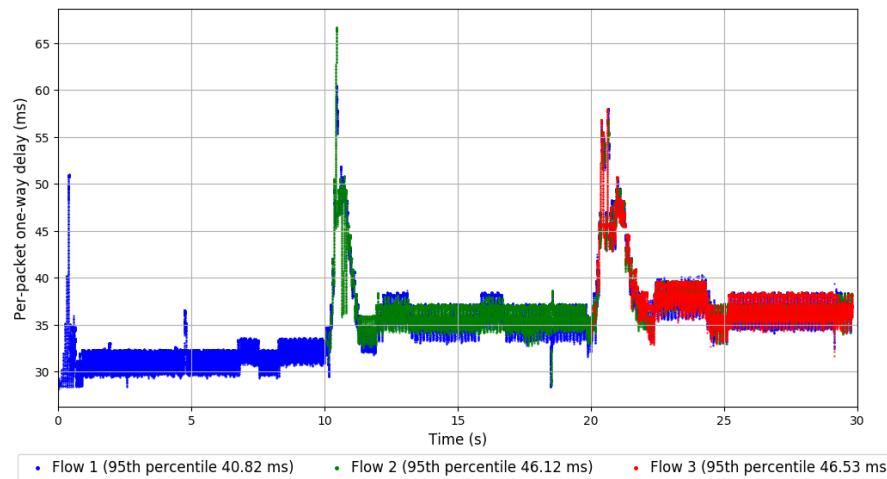
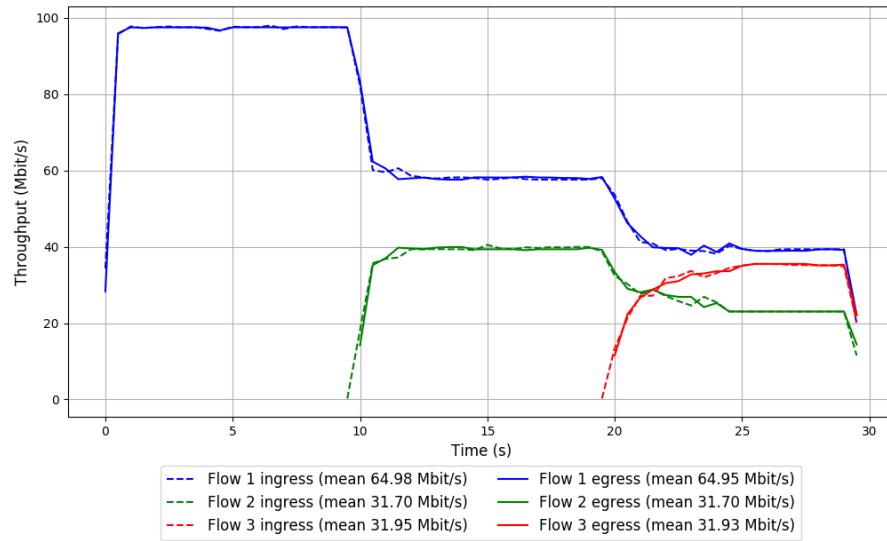


Run 8: Statistics of Indigo

```
Start at: 2018-01-02 13:20:12
End at: 2018-01-02 13:20:42
Local clock offset: 0.95 ms
Remote clock offset: -3.2 ms

# Below is generated by plot.py at 2018-01-02 15:01:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.40 Mbit/s
95th percentile per-packet one-way delay: 44.306 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.95 Mbit/s
95th percentile per-packet one-way delay: 40.823 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 46.116 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 46.529 ms
Loss rate: 0.00%
```

Run 8: Report of Indigo — Data Link

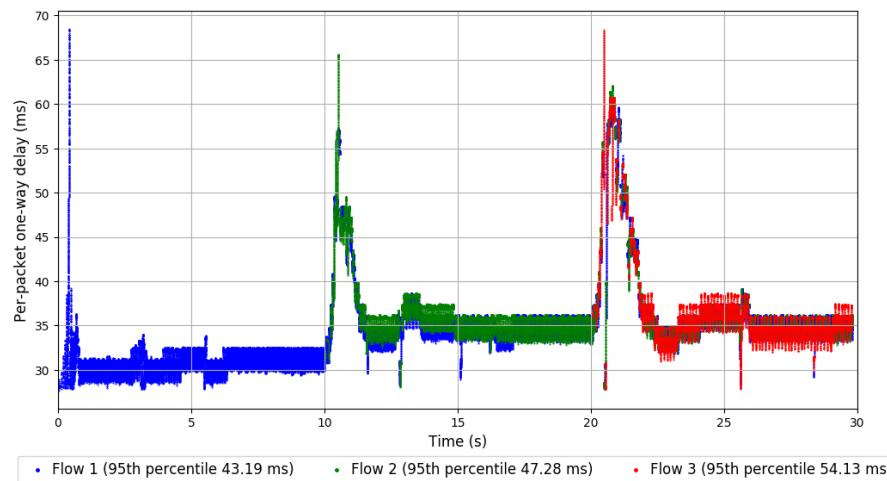
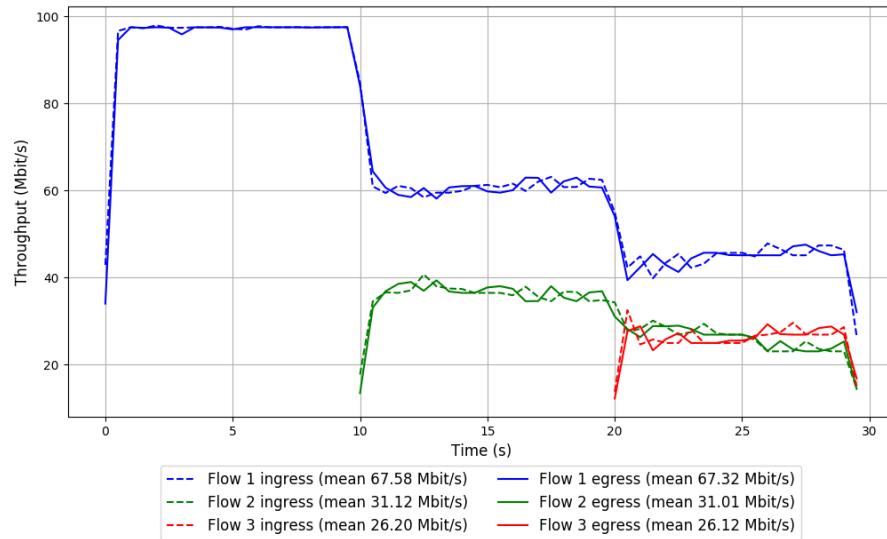


Run 9: Statistics of Indigo

```
Start at: 2018-01-02 13:40:52
End at: 2018-01-02 13:41:22
Local clock offset: 0.694 ms
Remote clock offset: -2.782 ms

# Below is generated by plot.py at 2018-01-02 15:01:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 96.42 Mbit/s
95th percentile per-packet one-way delay: 45.779 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 67.32 Mbit/s
95th percentile per-packet one-way delay: 43.192 ms
Loss rate: 0.35%
-- Flow 2:
Average throughput: 31.01 Mbit/s
95th percentile per-packet one-way delay: 47.280 ms
Loss rate: 0.32%
-- Flow 3:
Average throughput: 26.12 Mbit/s
95th percentile per-packet one-way delay: 54.135 ms
Loss rate: 0.31%
```

## Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

```
Start at: 2018-01-02 14:01:55
End at: 2018-01-02 14:02:25
Local clock offset: 0.483 ms
Remote clock offset: -0.627 ms

# Below is generated by plot.py at 2018-01-02 15:01:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 45.241 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 69.79 Mbit/s
95th percentile per-packet one-way delay: 43.199 ms
Loss rate: 0.30%
-- Flow 2:
Average throughput: 25.91 Mbit/s
95th percentile per-packet one-way delay: 47.136 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 26.73 Mbit/s
95th percentile per-packet one-way delay: 53.782 ms
Loss rate: 0.40%
```

## Run 10: Report of Indigo — Data Link

