

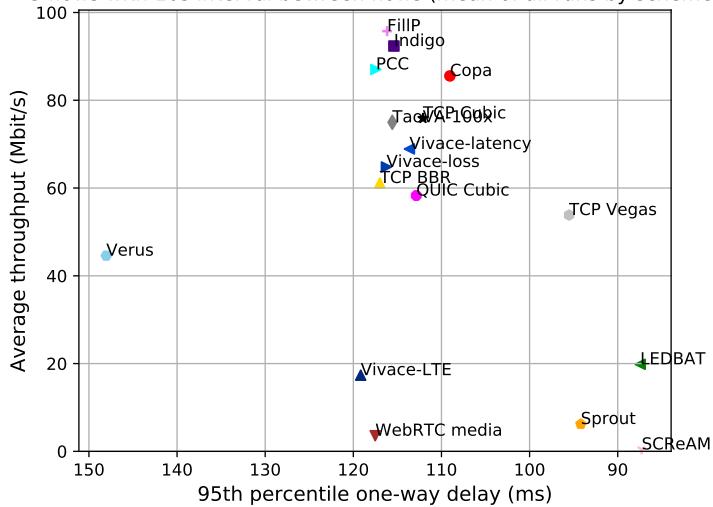
## Pantheon Report

Generated at 2018-01-17 07:33:00 (UTC).  
Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).  
Repeated the test of 17 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 `gps.ntp.br` and have been applied to correct the timestamps in logs.

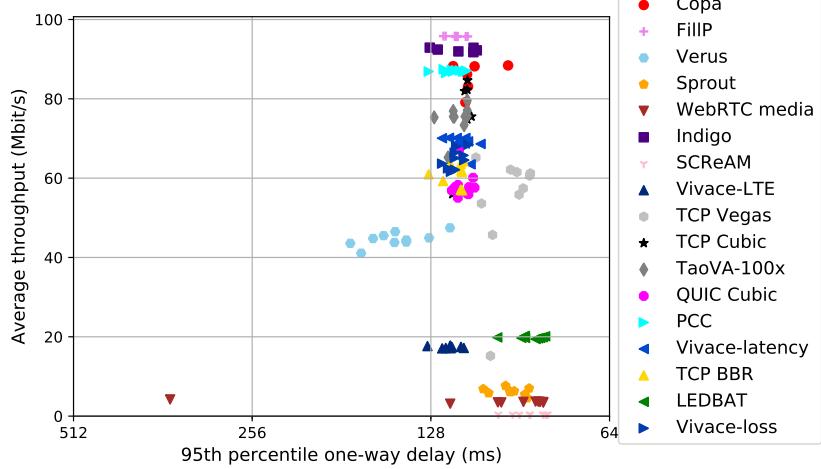
### Git summary:

```
branch: master @ 386976fcf771de1359acd909bfbb98a156d79009
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
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 @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
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/vivace @ 423cbca3e8ea1d599e7b5cf725835e8a2b6bfac6
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



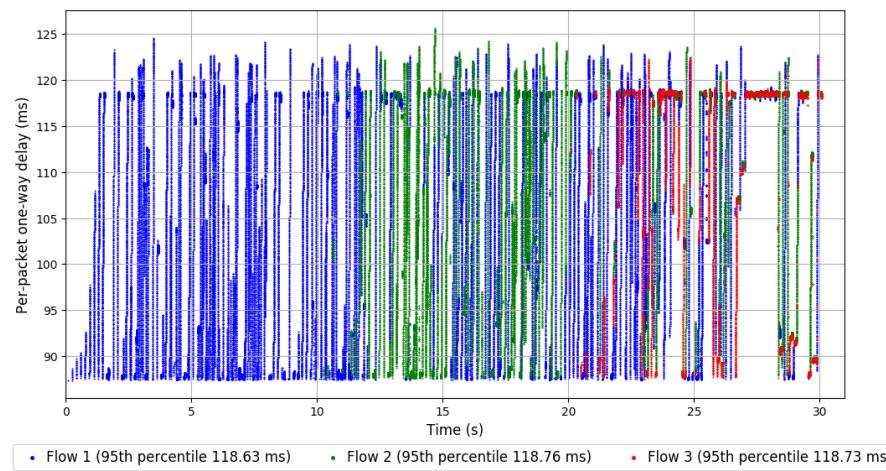
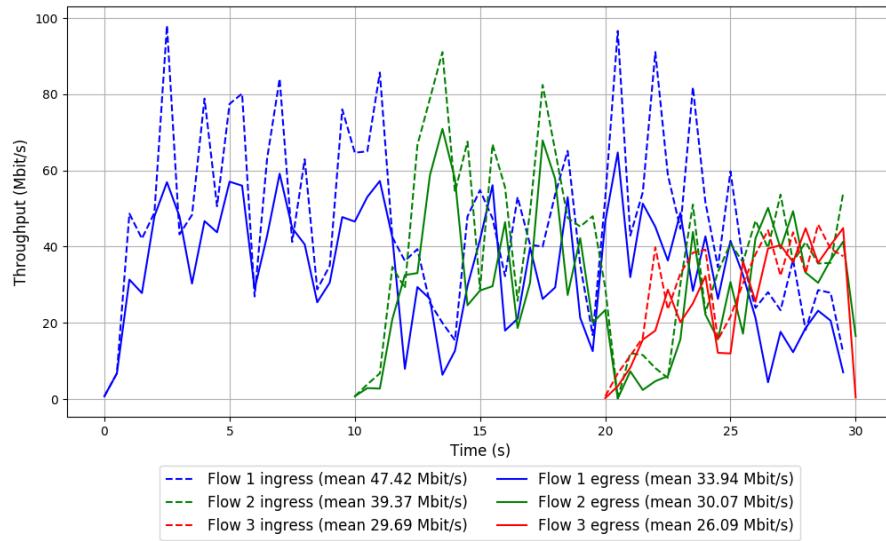
| scheme         | # runs | mean avg tput (Mbit/s) |        |        | mean 95th-%ile delay (ms) |        |        | mean loss rate (%) |        |        |
|----------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
|                |        | flow 1                 | flow 2 | flow 3 | flow 1                    | flow 2 | flow 3 | flow 1             | flow 2 | flow 3 |
| TCP BBR        | 10     | 34.50                  | 28.25  | 24.29  | 116.63                    | 116.27 | 116.90 | 28.05              | 29.24  | 24.76  |
| TCP Cubic      | 6      | 39.21                  | 44.15  | 22.93  | 381.07                    | 112.65 | 114.38 | 0.37               | 0.61   | 1.10   |
| LEDBAT         | 10     | 12.87                  | 8.44   | 4.11   | 87.26                     | 87.14  | 87.11  | 0.00               | 0.01   | 0.00   |
| PCC            | 10     | 78.43                  | 8.99   | 7.94   | 117.39                    | 118.08 | 117.78 | 2.70               | 4.88   | 6.05   |
| QUIC Cubic     | 10     | 38.90                  | 21.97  | 14.63  | 113.08                    | 111.03 | 109.71 | 0.74               | 0.53   | 1.65   |
| SCReAM         | 9      | 0.22                   | 0.22   | 0.22   | 86.80                     | 86.81  | 86.29  | 0.00               | 0.00   | 0.00   |
| WebRTC media   | 10     | 2.14                   | 1.16   | 0.29   | 140.07                    | 125.32 | 108.95 | 0.00               | 0.00   | 0.00   |
| Sprout         | 10     | 3.33                   | 2.98   | 2.75   | 93.94                     | 93.84  | 93.88  | 0.00               | 0.00   | 0.00   |
| TaoVA-100x     | 10     | 46.03                  | 34.17  | 25.45  | 115.30                    | 115.70 | 115.81 | 3.95               | 7.41   | 10.26  |
| TCP Vegas      | 10     | 23.69                  | 30.11  | 30.32  | 195.51                    | 95.96  | 97.86  | 0.44               | 0.84   | 1.54   |
| Verus          | 10     | 25.26                  | 25.93  | 9.18   | 136.88                    | 142.88 | 122.25 | 48.62              | 56.12  | 32.73  |
| Copa           | 6      | 68.43                  | 21.45  | 11.85  | 108.92                    | 103.07 | 101.49 | 0.20               | 0.25   | 0.01   |
| FillP          | 10     | 53.67                  | 42.75  | 41.40  | 115.42                    | 114.92 | 125.85 | 25.40              | 35.95  | 47.13  |
| Indigo         | 6      | 65.31                  | 27.69  | 27.14  | 114.71                    | 116.40 | 117.10 | 1.19               | 2.85   | 6.14   |
| Vivace-latency | 10     | 57.73                  | 13.43  | 6.83   | 113.80                    | 112.34 | 109.02 | 0.46               | 0.58   | 0.09   |
| Vivace-loss    | 10     | 46.05                  | 21.81  | 12.78  | 116.08                    | 116.30 | 115.54 | 4.50               | 4.24   | 5.47   |
| Vivace-LTE     | 10     | 5.93                   | 8.69   | 17.15  | 119.04                    | 118.71 | 118.50 | 21.95              | 22.50  | 22.80  |

Run 1: Statistics of TCP BBR

```
Start at: 2018-01-17 02:59:49
End at: 2018-01-17 03:00:19
Local clock offset: 1.076 ms
Remote clock offset: -0.158 ms

# Below is generated by plot.py at 2018-01-17 07:12:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.45 Mbit/s
95th percentile per-packet one-way delay: 118.740 ms
Loss rate: 24.89%
-- Flow 1:
Average throughput: 33.94 Mbit/s
95th percentile per-packet one-way delay: 118.631 ms
Loss rate: 28.34%
-- Flow 2:
Average throughput: 30.07 Mbit/s
95th percentile per-packet one-way delay: 118.761 ms
Loss rate: 23.51%
-- Flow 3:
Average throughput: 26.09 Mbit/s
95th percentile per-packet one-way delay: 118.735 ms
Loss rate: 12.06%
```

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

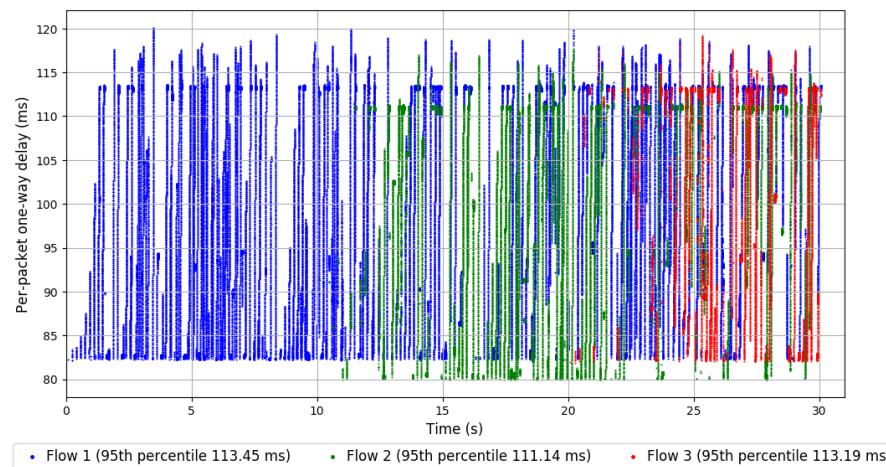
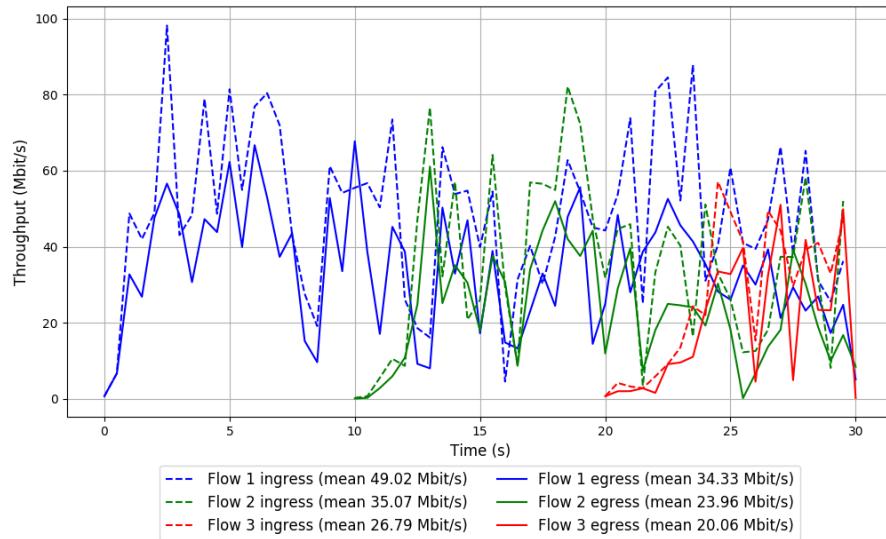


Run 2: Statistics of TCP BBR

```
Start at: 2018-01-17 03:23:01
End at: 2018-01-17 03:23:31
Local clock offset: 0.975 ms
Remote clock offset: -6.47 ms

# Below is generated by plot.py at 2018-01-17 07:12:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 113.378 ms
Loss rate: 29.85%
-- Flow 1:
Average throughput: 34.33 Mbit/s
95th percentile per-packet one-way delay: 113.455 ms
Loss rate: 29.91%
-- Flow 2:
Average throughput: 23.96 Mbit/s
95th percentile per-packet one-way delay: 111.143 ms
Loss rate: 31.60%
-- Flow 3:
Average throughput: 20.06 Mbit/s
95th percentile per-packet one-way delay: 113.192 ms
Loss rate: 24.92%
```

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

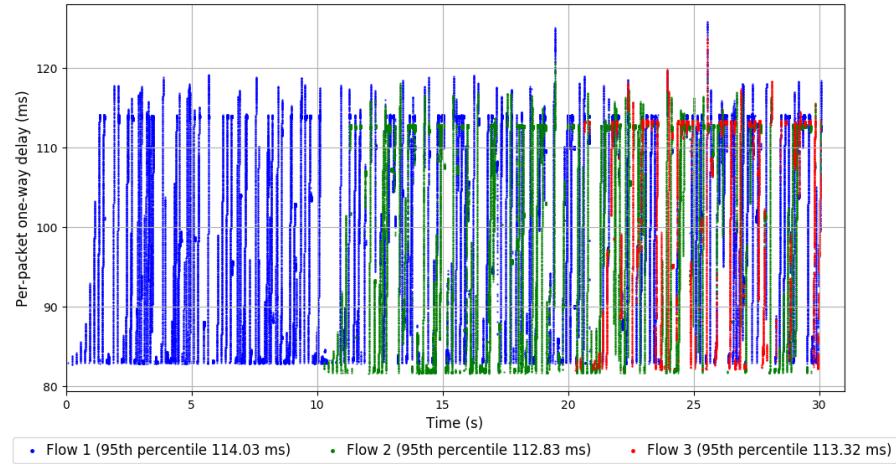
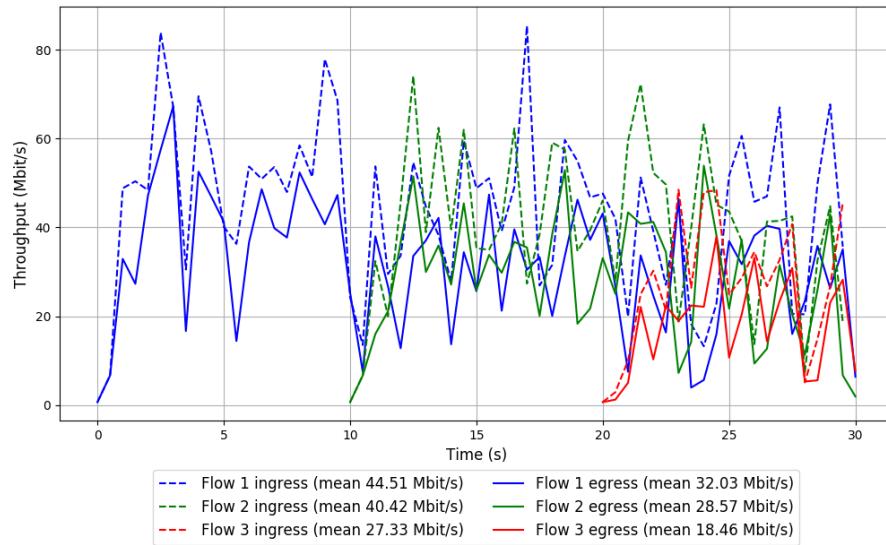


Run 3: Statistics of TCP BBR

```
Start at: 2018-01-17 03:46:17
End at: 2018-01-17 03:46:48
Local clock offset: 0.888 ms
Remote clock offset: -5.858 ms

# Below is generated by plot.py at 2018-01-17 07:12:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.10 Mbit/s
95th percentile per-packet one-way delay: 113.976 ms
Loss rate: 28.93%
-- Flow 1:
Average throughput: 32.03 Mbit/s
95th percentile per-packet one-way delay: 114.033 ms
Loss rate: 27.98%
-- Flow 2:
Average throughput: 28.57 Mbit/s
95th percentile per-packet one-way delay: 112.831 ms
Loss rate: 29.30%
-- Flow 3:
Average throughput: 18.46 Mbit/s
95th percentile per-packet one-way delay: 113.324 ms
Loss rate: 32.47%
```

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

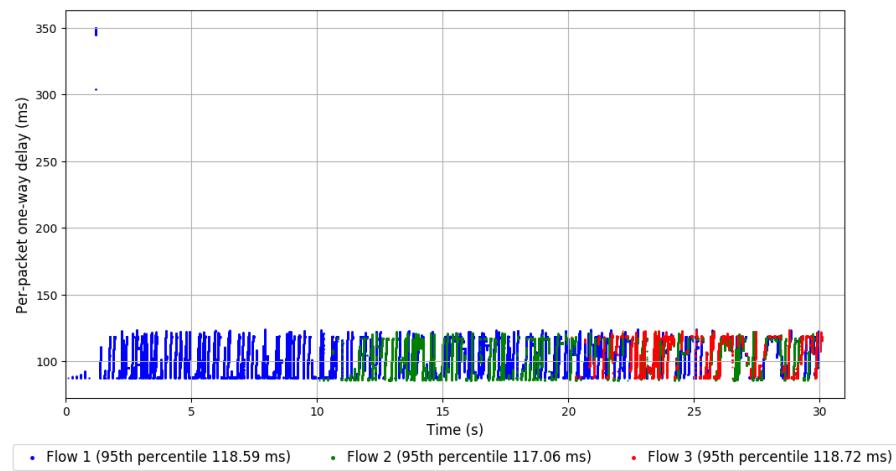
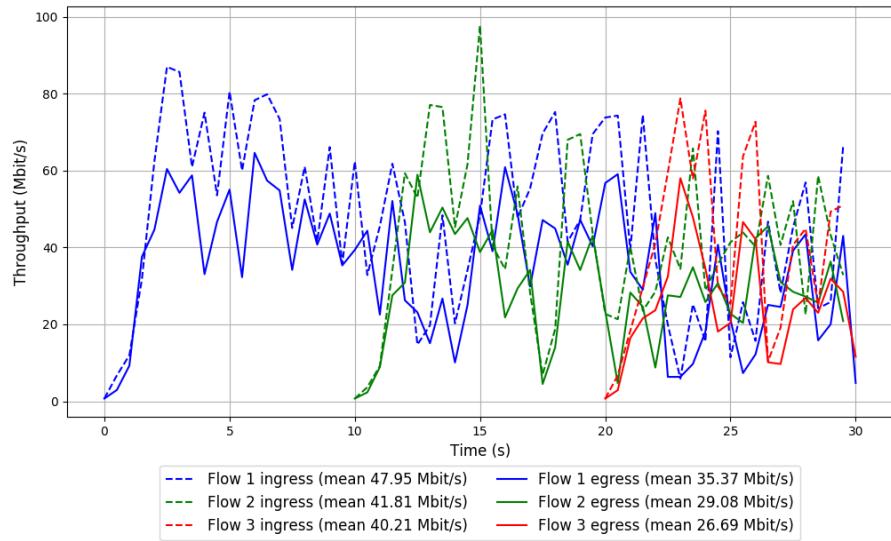


Run 4: Statistics of TCP BBR

```
Start at: 2018-01-17 04:09:29
End at: 2018-01-17 04:09:59
Local clock offset: 0.88 ms
Remote clock offset: -0.719 ms

# Below is generated by plot.py at 2018-01-17 07:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.44 Mbit/s
95th percentile per-packet one-way delay: 118.590 ms
Loss rate: 28.59%
-- Flow 1:
Average throughput: 35.37 Mbit/s
95th percentile per-packet one-way delay: 118.589 ms
Loss rate: 26.16%
-- Flow 2:
Average throughput: 29.08 Mbit/s
95th percentile per-packet one-way delay: 117.057 ms
Loss rate: 30.37%
-- Flow 3:
Average throughput: 26.69 Mbit/s
95th percentile per-packet one-way delay: 118.722 ms
Loss rate: 33.63%
```

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

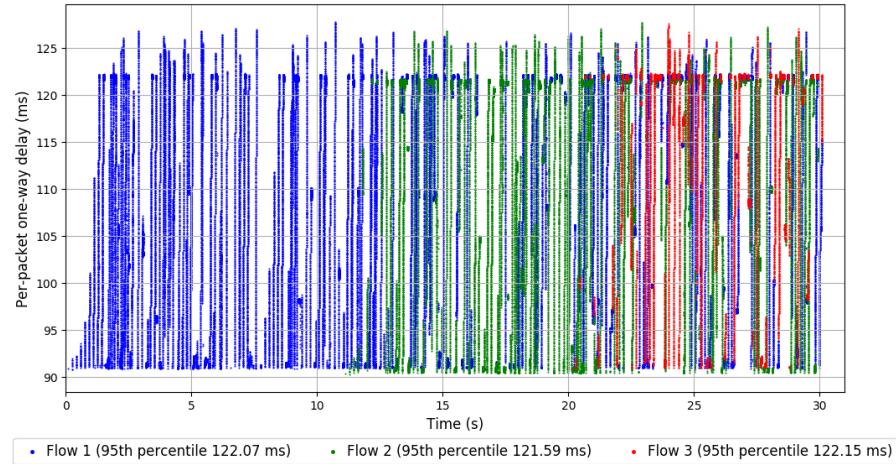
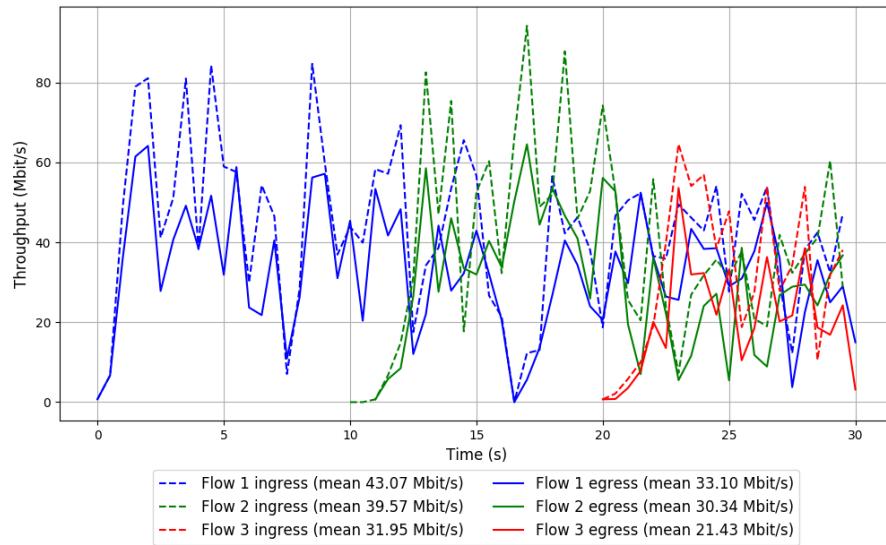


Run 5: Statistics of TCP BBR

```
Start at: 2018-01-17 04:32:53
End at: 2018-01-17 04:33:23
Local clock offset: 0.81 ms
Remote clock offset: 3.549 ms

# Below is generated by plot.py at 2018-01-17 07:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 59.28 Mbit/s
95th percentile per-packet one-way delay: 122.070 ms
Loss rate: 25.74%
-- Flow 1:
Average throughput: 33.10 Mbit/s
95th percentile per-packet one-way delay: 122.073 ms
Loss rate: 23.08%
-- Flow 2:
Average throughput: 30.34 Mbit/s
95th percentile per-packet one-way delay: 121.594 ms
Loss rate: 27.29%
-- Flow 3:
Average throughput: 21.43 Mbit/s
95th percentile per-packet one-way delay: 122.146 ms
Loss rate: 32.71%
```

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

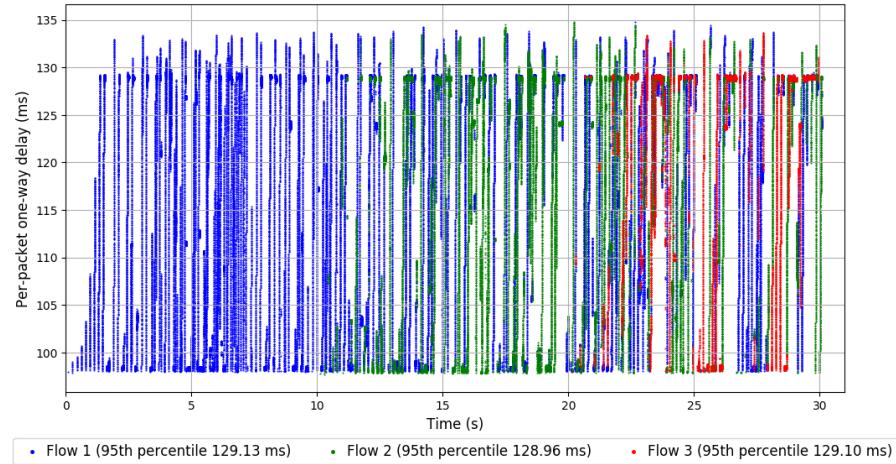
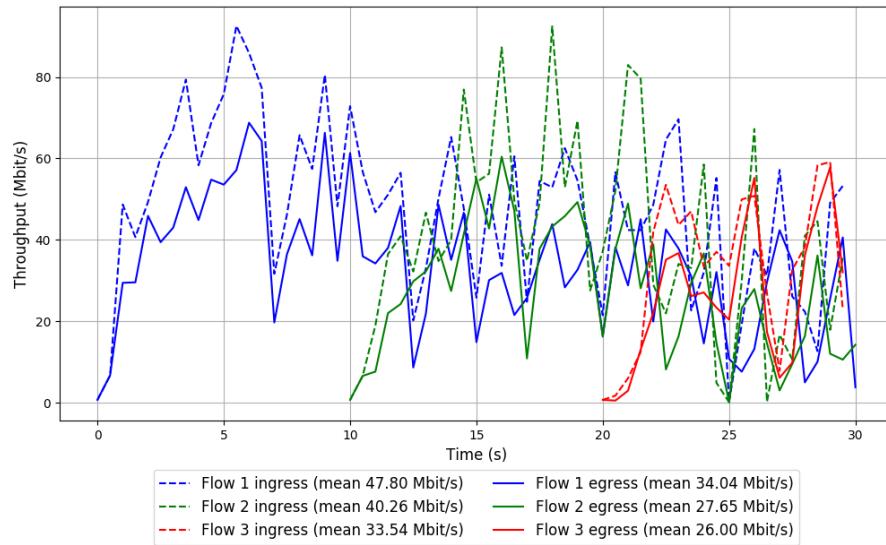


Run 6: Statistics of TCP BBR

```
Start at: 2018-01-17 04:56:17
End at: 2018-01-17 04:56:47
Local clock offset: 0.746 ms
Remote clock offset: 9.044 ms

# Below is generated by plot.py at 2018-01-17 07:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.96 Mbit/s
95th percentile per-packet one-way delay: 129.102 ms
Loss rate: 28.68%
-- Flow 1:
Average throughput: 34.04 Mbit/s
95th percentile per-packet one-way delay: 129.133 ms
Loss rate: 28.74%
-- Flow 2:
Average throughput: 27.65 Mbit/s
95th percentile per-packet one-way delay: 128.961 ms
Loss rate: 31.22%
-- Flow 3:
Average throughput: 26.00 Mbit/s
95th percentile per-packet one-way delay: 129.105 ms
Loss rate: 22.23%
```

Run 6: Report of TCP BBR — Data Link

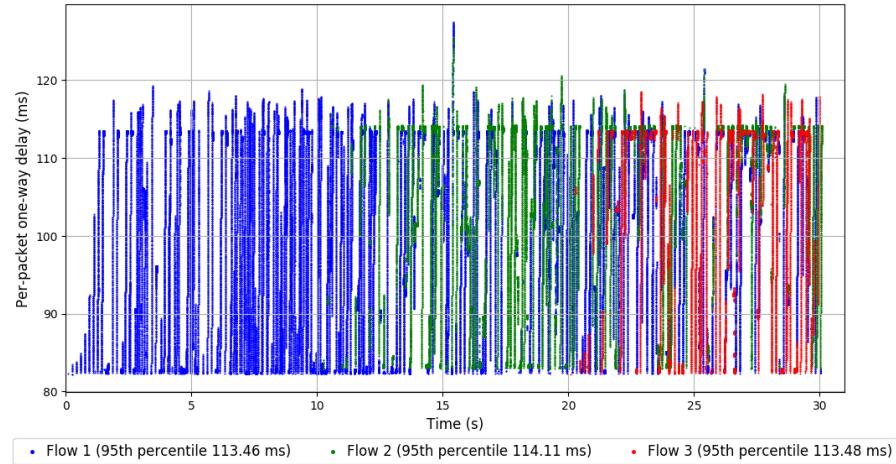
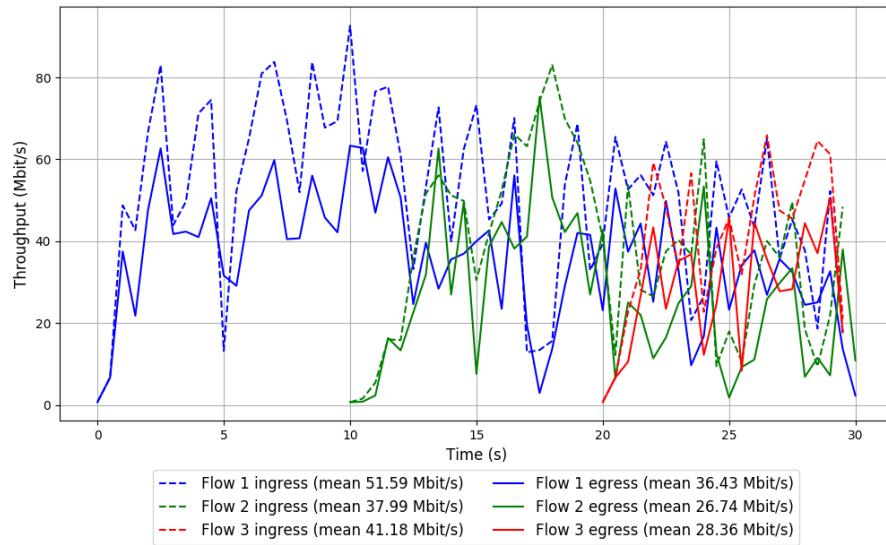


Run 7: Statistics of TCP BBR

```
Start at: 2018-01-17 05:19:36
End at: 2018-01-17 05:20:06
Local clock offset: 0.629 ms
Remote clock offset: -5.013 ms

# Below is generated by plot.py at 2018-01-17 07:12:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.51 Mbit/s
95th percentile per-packet one-way delay: 114.041 ms
Loss rate: 29.65%
-- Flow 1:
Average throughput: 36.43 Mbit/s
95th percentile per-packet one-way delay: 113.464 ms
Loss rate: 29.39%
-- Flow 2:
Average throughput: 26.74 Mbit/s
95th percentile per-packet one-way delay: 114.110 ms
Loss rate: 29.51%
-- Flow 3:
Average throughput: 28.36 Mbit/s
95th percentile per-packet one-way delay: 113.484 ms
Loss rate: 30.88%
```

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

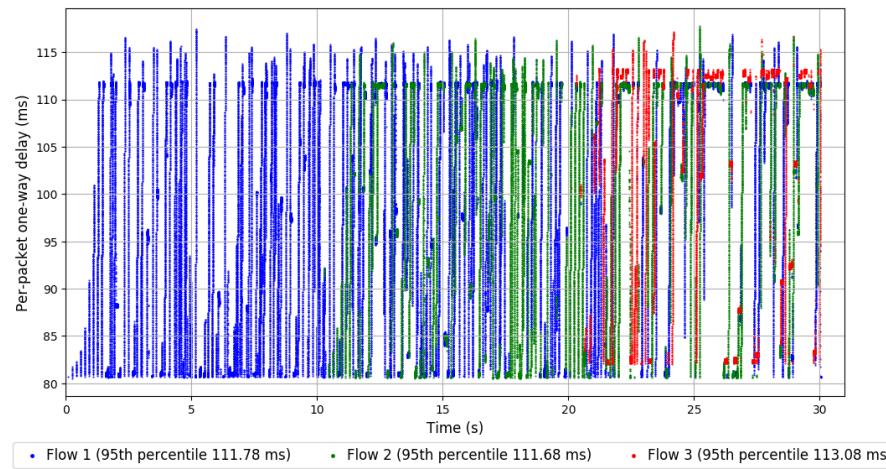
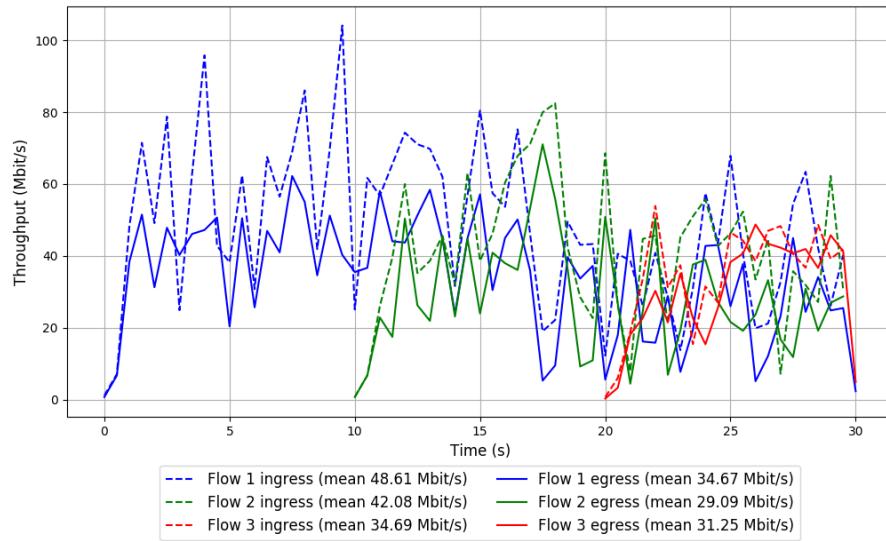


Run 8: Statistics of TCP BBR

```
Start at: 2018-01-17 05:42:59
End at: 2018-01-17 05:43:29
Local clock offset: 0.667 ms
Remote clock offset: -6.448 ms

# Below is generated by plot.py at 2018-01-17 07:12:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 112.840 ms
Loss rate: 26.90%
-- Flow 1:
Average throughput: 34.67 Mbit/s
95th percentile per-packet one-way delay: 111.776 ms
Loss rate: 28.67%
-- Flow 2:
Average throughput: 29.09 Mbit/s
95th percentile per-packet one-way delay: 111.680 ms
Loss rate: 30.82%
-- Flow 3:
Average throughput: 31.25 Mbit/s
95th percentile per-packet one-way delay: 113.085 ms
Loss rate: 9.84%
```

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

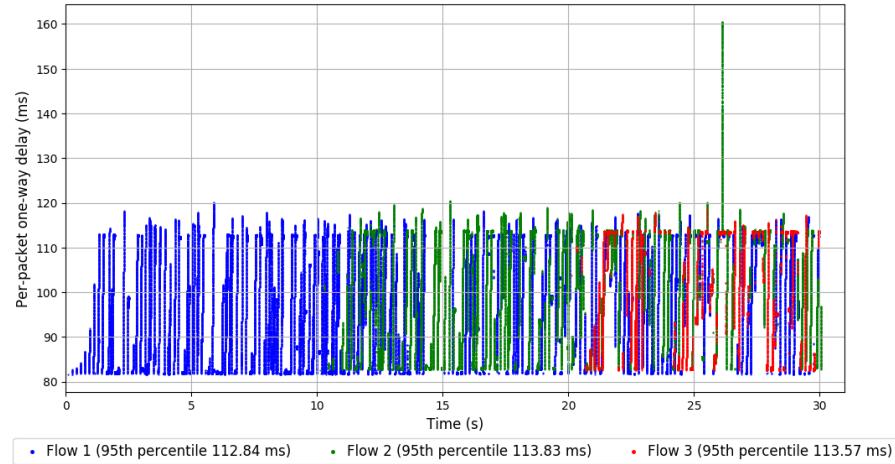
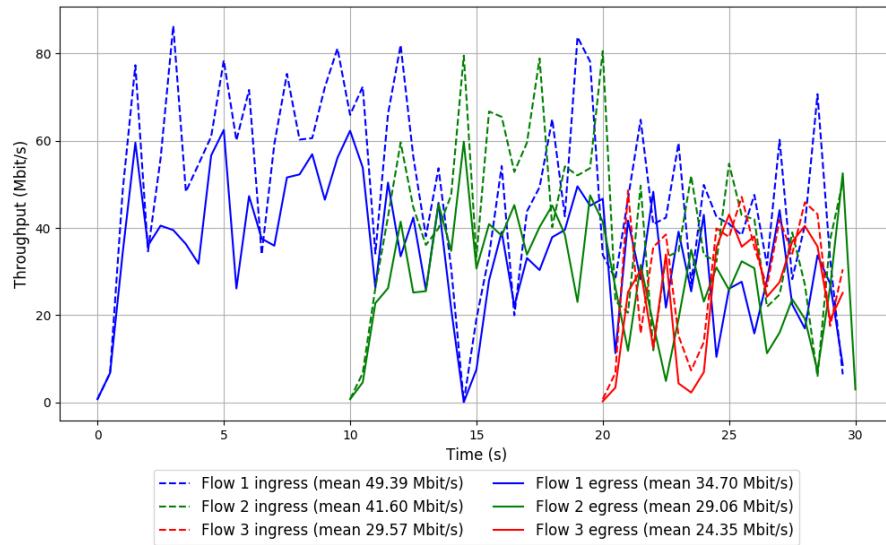


Run 9: Statistics of TCP BBR

```
Start at: 2018-01-17 06:06:18
End at: 2018-01-17 06:06:48
Local clock offset: 0.633 ms
Remote clock offset: -5.655 ms

# Below is generated by plot.py at 2018-01-17 07:13:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.97 Mbit/s
95th percentile per-packet one-way delay: 113.716 ms
Loss rate: 28.44%
-- Flow 1:
Average throughput: 34.70 Mbit/s
95th percentile per-packet one-way delay: 112.843 ms
Loss rate: 29.67%
-- Flow 2:
Average throughput: 29.06 Mbit/s
95th percentile per-packet one-way delay: 113.828 ms
Loss rate: 30.08%
-- Flow 3:
Average throughput: 24.35 Mbit/s
95th percentile per-packet one-way delay: 113.571 ms
Loss rate: 17.56%
```

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

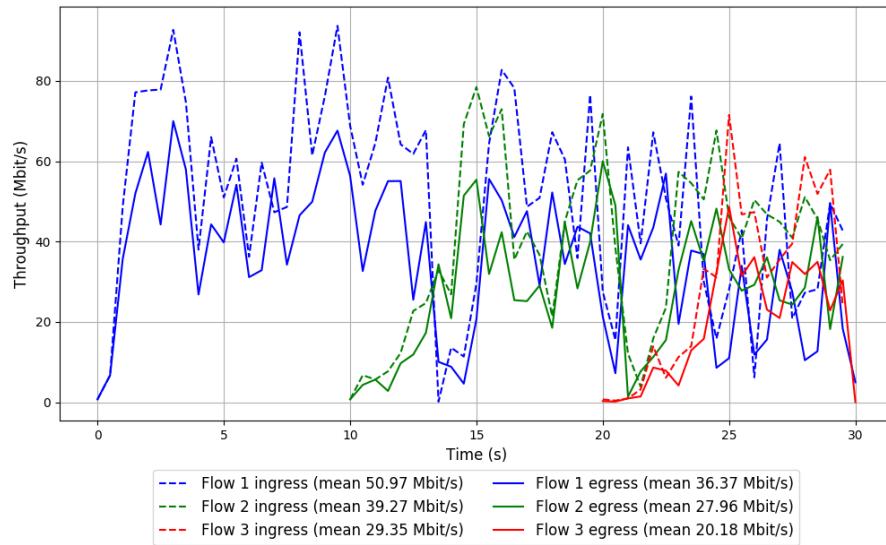


Run 10: Statistics of TCP BBR

```
Start at: 2018-01-17 06:29:48
End at: 2018-01-17 06:30:18
Local clock offset: 0.699 ms
Remote clock offset: -4.498 ms

# Below is generated by plot.py at 2018-01-17 07:13:22
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.59 Mbit/s
95th percentile per-packet one-way delay: 113.460 ms
Loss rate: 28.92%
-- Flow 1:
Average throughput: 36.37 Mbit/s
95th percentile per-packet one-way delay: 112.267 ms
Loss rate: 28.59%
-- Flow 2:
Average throughput: 27.96 Mbit/s
95th percentile per-packet one-way delay: 112.733 ms
Loss rate: 28.69%
-- Flow 3:
Average throughput: 20.18 Mbit/s
95th percentile per-packet one-way delay: 113.655 ms
Loss rate: 31.25%
```

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-01-17 03:12:42

End at: 2018-01-17 03:13:12

Local clock offset: 0.996 ms

Remote clock offset: -0.672 ms

Run 1: Report of TCP Cubic — Data Link

Figure is missing

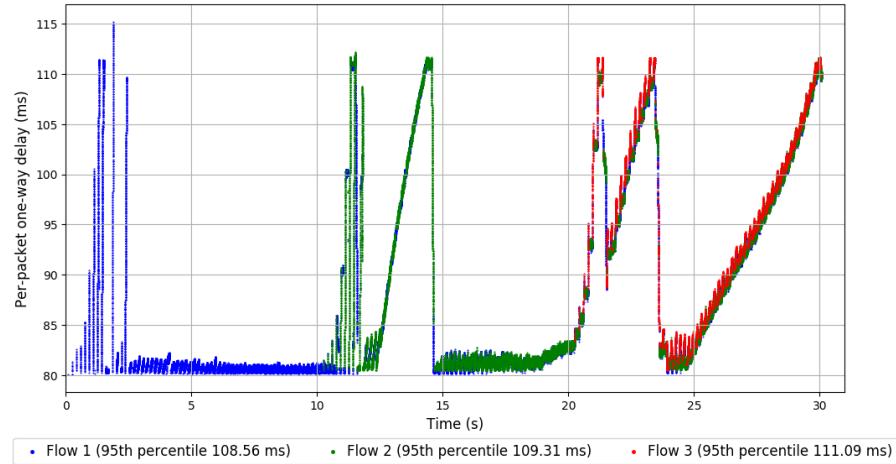
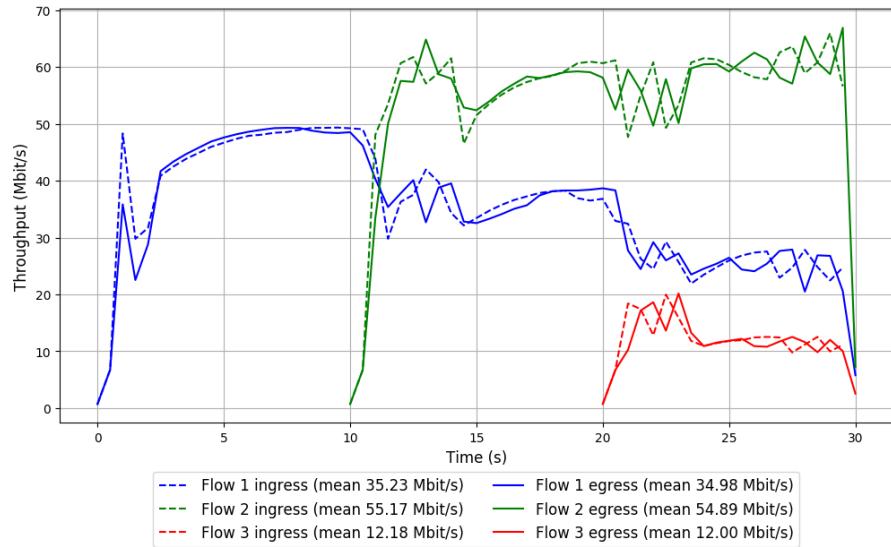
Figure is missing

Run 2: Statistics of TCP Cubic

```
Start at: 2018-01-17 03:35:54
End at: 2018-01-17 03:36:24
Local clock offset: 0.913 ms
Remote clock offset: -6.817 ms

# Below is generated by plot.py at 2018-01-17 07:13:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.53 Mbit/s
95th percentile per-packet one-way delay: 109.359 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 34.98 Mbit/s
95th percentile per-packet one-way delay: 108.555 ms
Loss rate: 0.63%
-- Flow 2:
Average throughput: 54.89 Mbit/s
95th percentile per-packet one-way delay: 109.309 ms
Loss rate: 0.36%
-- Flow 3:
Average throughput: 12.00 Mbit/s
95th percentile per-packet one-way delay: 111.094 ms
Loss rate: 1.22%
```

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

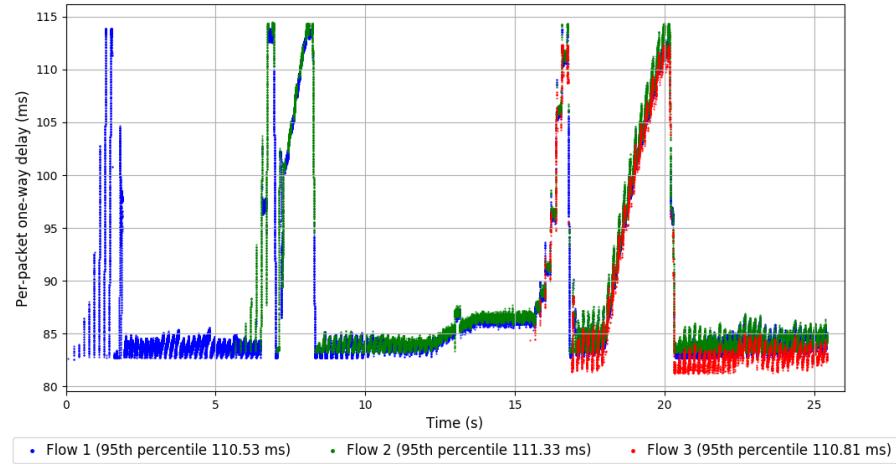
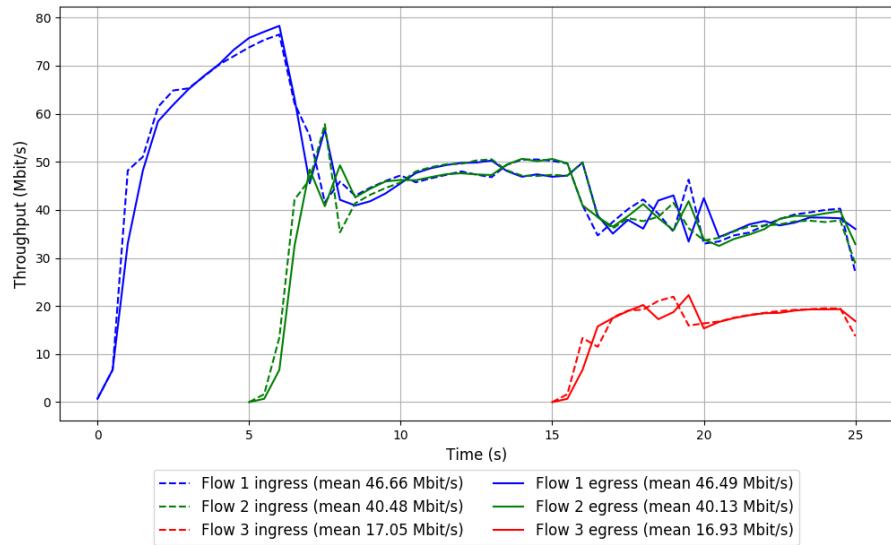


Run 3: Statistics of TCP Cubic

```
Start at: 2018-01-17 03:59:13
End at: 2018-01-17 03:59:43
Local clock offset: 0.917 ms
Remote clock offset: -5.679 ms

# Below is generated by plot.py at 2018-01-17 07:13:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 84.67 Mbit/s
95th percentile per-packet one-way delay: 111.026 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 110.531 ms
Loss rate: 0.37%
-- Flow 2:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 111.330 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 110.810 ms
Loss rate: 0.74%
```

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



Run 4: Statistics of TCP Cubic

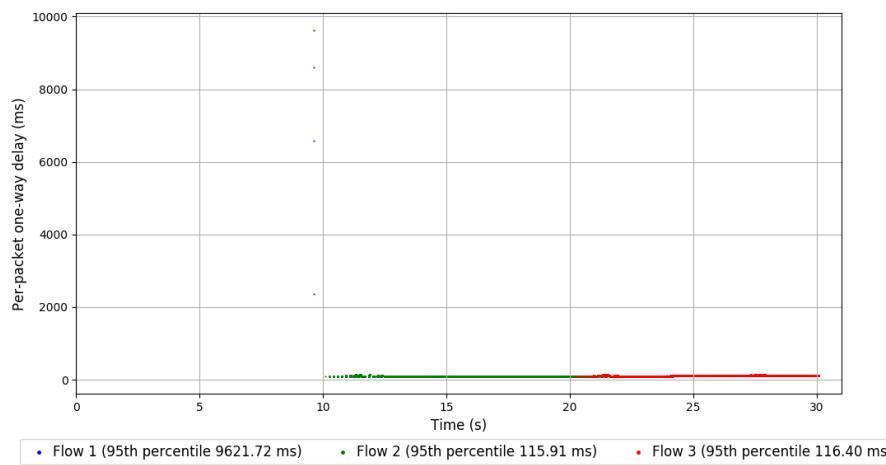
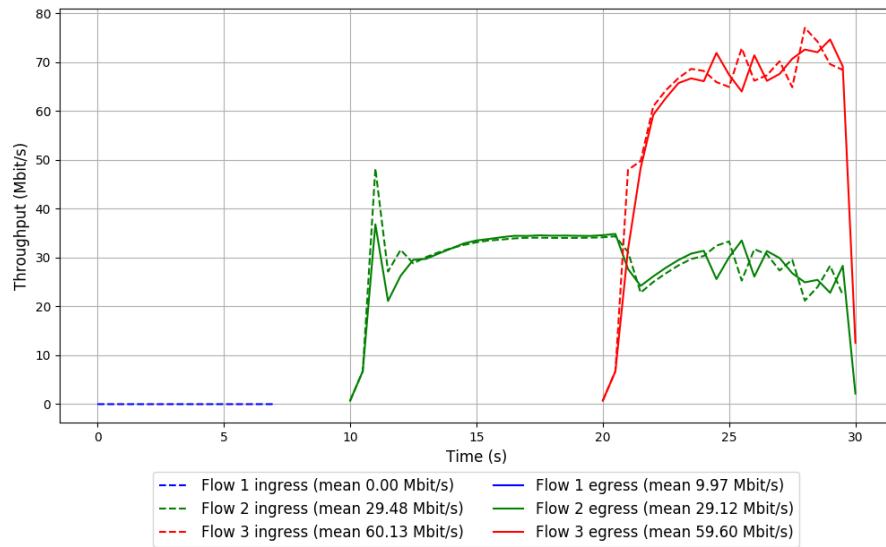
Start at: 2018-01-17 04:22:31

End at: 2018-01-17 04:23:01

Local clock offset: 0.86 ms

Remote clock offset: -0.795 ms

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

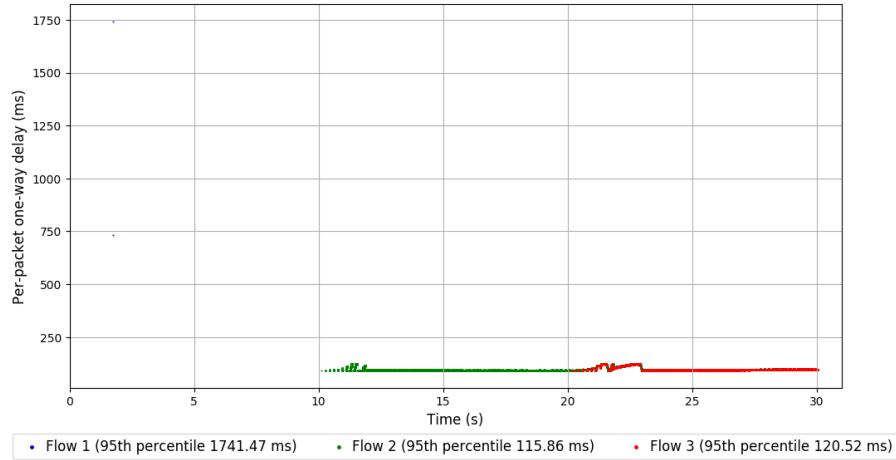
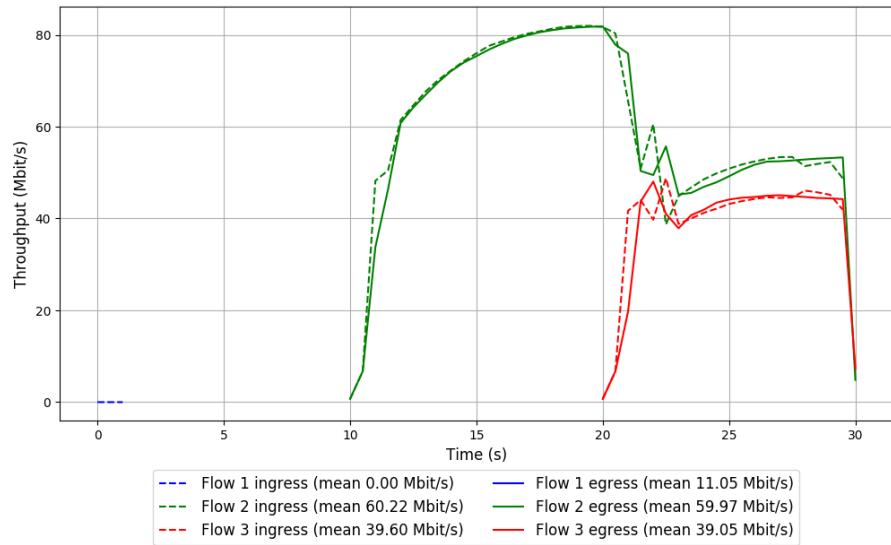


Run 5: Statistics of TCP Cubic

```
Start at: 2018-01-17 04:45:55
End at: 2018-01-17 04:46:25
Local clock offset: 0.746 ms
Remote clock offset: 3.443 ms

# Below is generated by plot.py at 2018-01-17 07:13:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.98 Mbit/s
95th percentile per-packet one-way delay: 117.712 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 11.05 Mbit/s
95th percentile per-packet one-way delay: 1741.470 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 59.97 Mbit/s
95th percentile per-packet one-way delay: 115.860 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 120.524 ms
Loss rate: 1.32%
```

Run 5: Report of TCP Cubic — Data Link

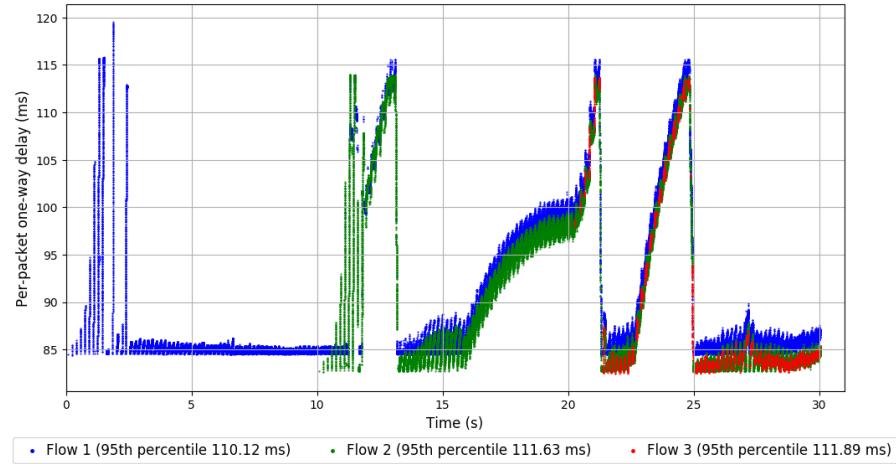
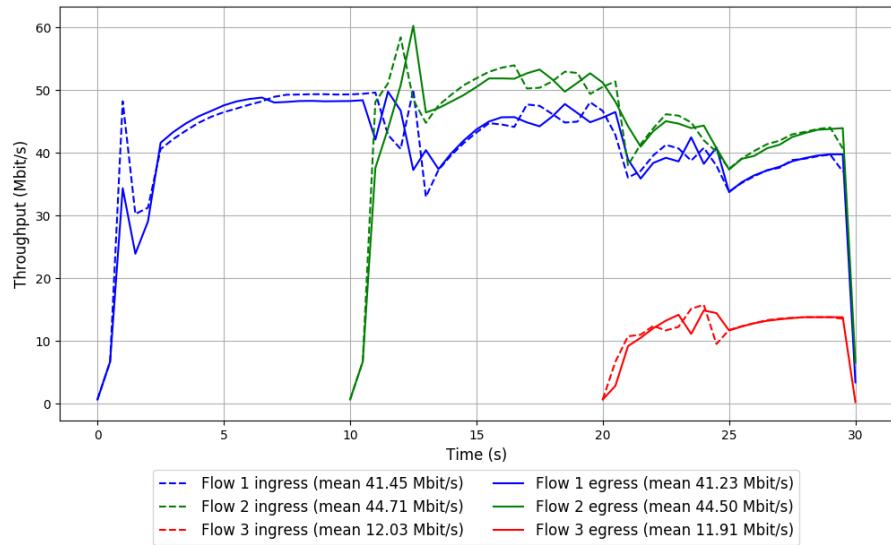


Run 6: Statistics of TCP Cubic

```
Start at: 2018-01-17 05:09:19
End at: 2018-01-17 05:09:49
Local clock offset: 0.712 ms
Remote clock offset: -4.496 ms

# Below is generated by plot.py at 2018-01-17 07:13:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 74.82 Mbit/s
95th percentile per-packet one-way delay: 111.137 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 41.23 Mbit/s
95th percentile per-packet one-way delay: 110.121 ms
Loss rate: 0.53%
-- Flow 2:
Average throughput: 44.50 Mbit/s
95th percentile per-packet one-way delay: 111.630 ms
Loss rate: 0.45%
-- Flow 3:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 111.892 ms
Loss rate: 1.08%
```

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2018-01-17 05:32:40

End at: 2018-01-17 05:33:10

Local clock offset: 0.671 ms

Remote clock offset: -5.57 ms

Run 7: Report of TCP Cubic — Data Link

Figure is missing

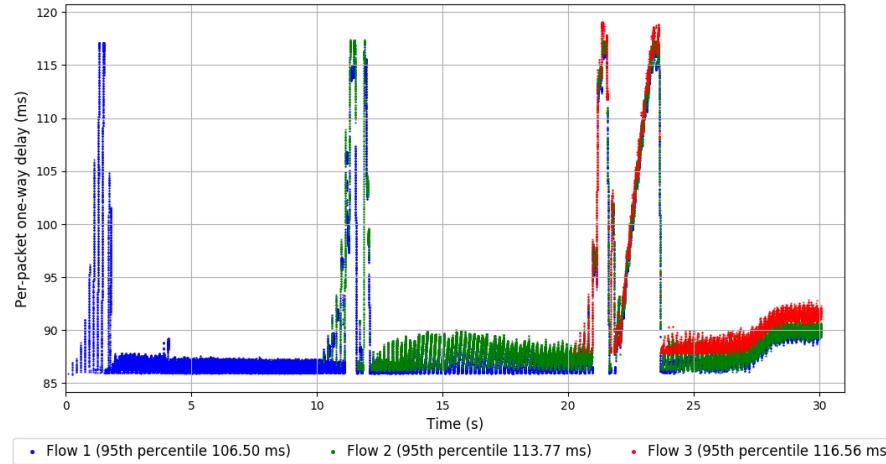
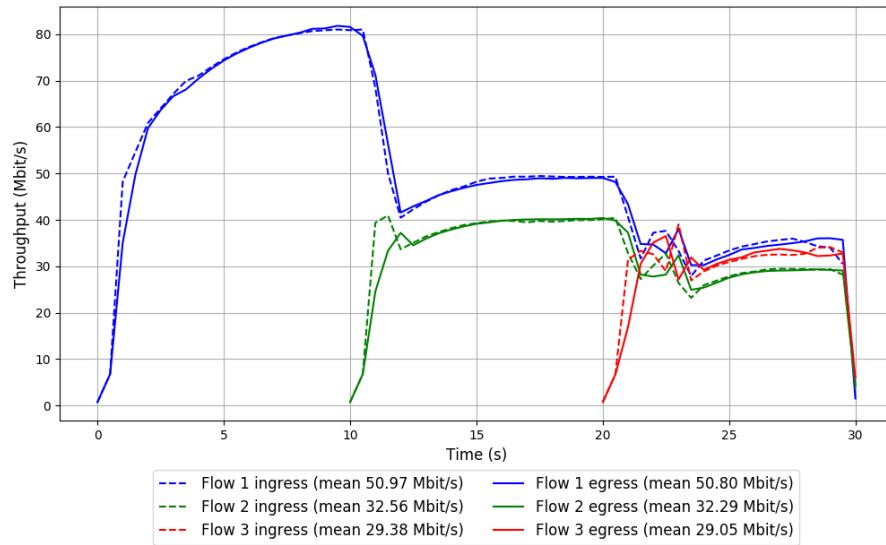
Figure is missing

Run 8: Statistics of TCP Cubic

```
Start at: 2018-01-17 05:56:02
End at: 2018-01-17 05:56:32
Local clock offset: 0.666 ms
Remote clock offset: -0.668 ms

# Below is generated by plot.py at 2018-01-17 07:13:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 81.95 Mbit/s
95th percentile per-packet one-way delay: 112.253 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 50.80 Mbit/s
95th percentile per-packet one-way delay: 106.505 ms
Loss rate: 0.33%
-- Flow 2:
Average throughput: 32.29 Mbit/s
95th percentile per-packet one-way delay: 113.770 ms
Loss rate: 0.82%
-- Flow 3:
Average throughput: 29.05 Mbit/s
95th percentile per-packet one-way delay: 116.562 ms
Loss rate: 1.08%
```

Run 8: Report of TCP Cubic — Data Link

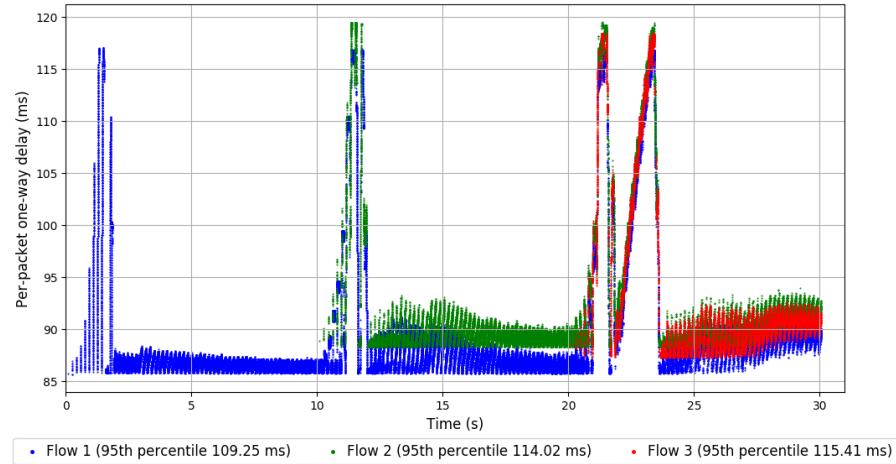
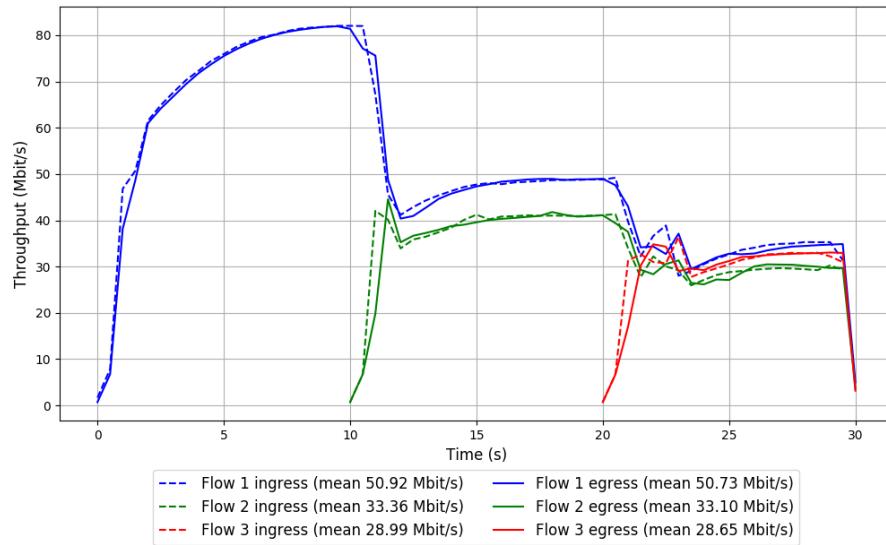


Run 9: Statistics of TCP Cubic

```
Start at: 2018-01-17 06:19:32
End at: 2018-01-17 06:20:02
Local clock offset: 0.732 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-01-17 07:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 82.28 Mbit/s
95th percentile per-packet one-way delay: 111.121 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 50.73 Mbit/s
95th percentile per-packet one-way delay: 109.252 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 33.10 Mbit/s
95th percentile per-packet one-way delay: 114.019 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 28.65 Mbit/s
95th percentile per-packet one-way delay: 115.414 ms
Loss rate: 1.14%
```

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



Run 10: Statistics of TCP Cubic

Start at: 2018-01-17 06:42:44

End at: 2018-01-17 06:43:14

Local clock offset: 0.589 ms

Remote clock offset: -0.539 ms

Run 10: Report of TCP Cubic — Data Link

Figure is missing

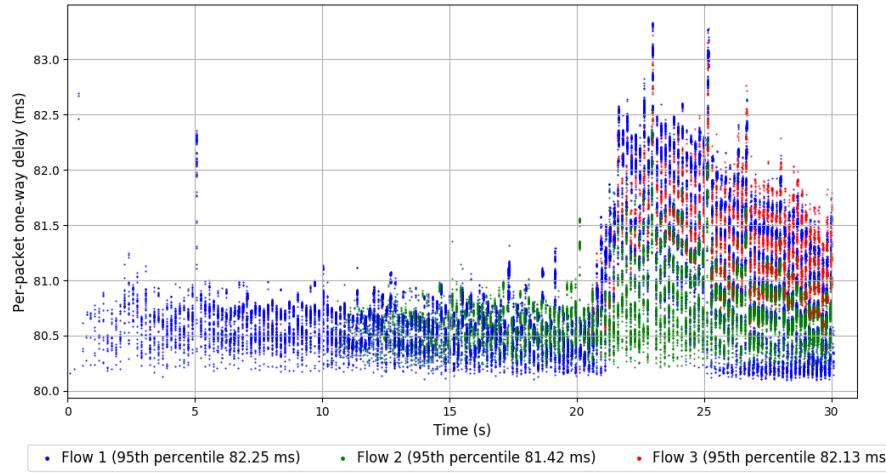
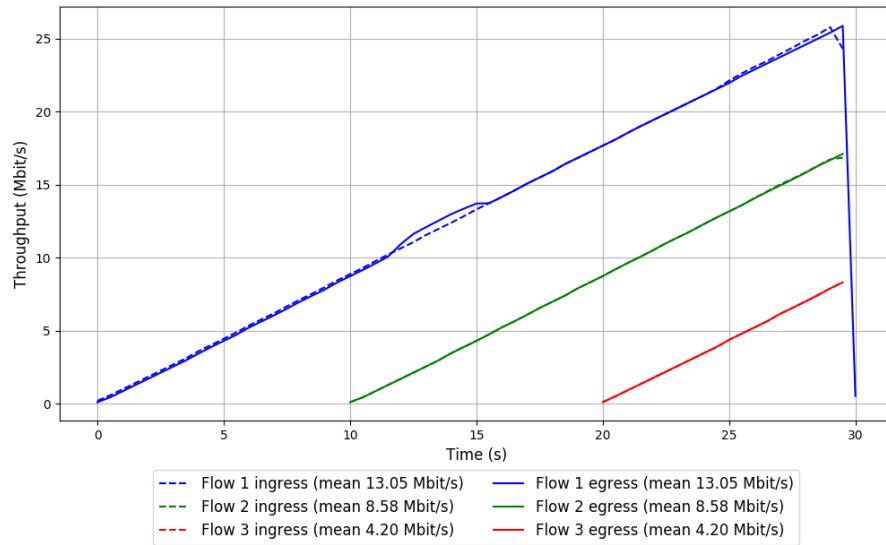
Figure is missing

```
Run 1: Statistics of LEDBAT

Start at: 2018-01-17 02:50:43
End at: 2018-01-17 02:51:13
Local clock offset: 0.919 ms
Remote clock offset: -5.813 ms

# Below is generated by plot.py at 2018-01-17 07:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.12 Mbit/s
95th percentile per-packet one-way delay: 82.155 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 82.255 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 81.421 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 82.131 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

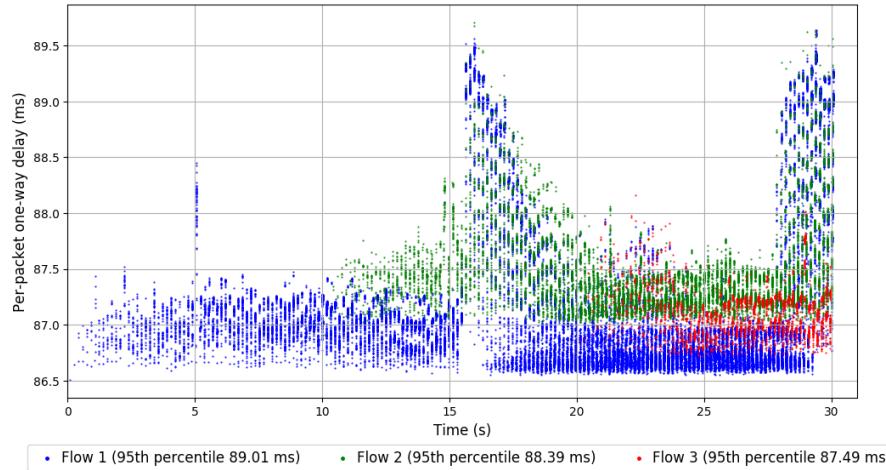
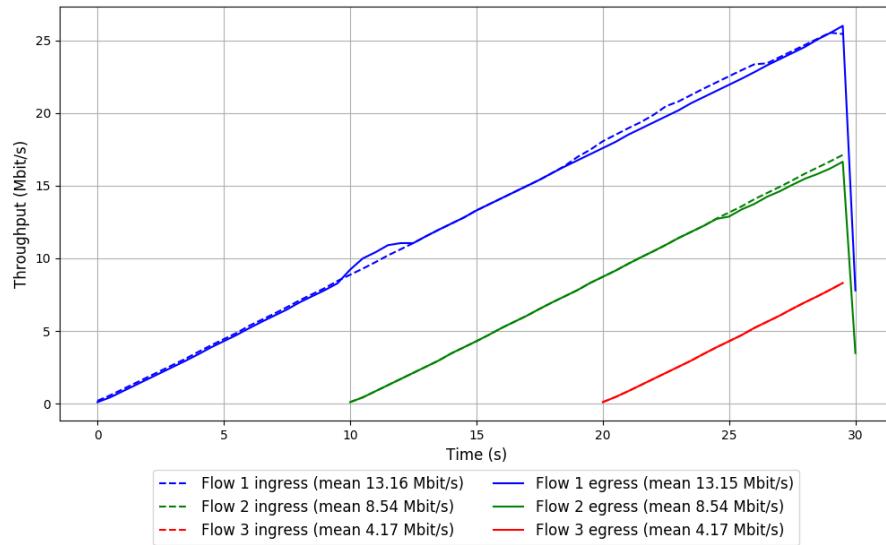


Run 2: Statistics of LEDBAT

```
Start at: 2018-01-17 03:13:56
End at: 2018-01-17 03:14:26
Local clock offset: 1.046 ms
Remote clock offset: 0.229 ms

# Below is generated by plot.py at 2018-01-17 07:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.21 Mbit/s
95th percentile per-packet one-way delay: 88.908 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 89.010 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.54 Mbit/s
95th percentile per-packet one-way delay: 88.393 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 87.491 ms
Loss rate: 0.00%
```

## Run 2: Report of LEDBAT — Data Link

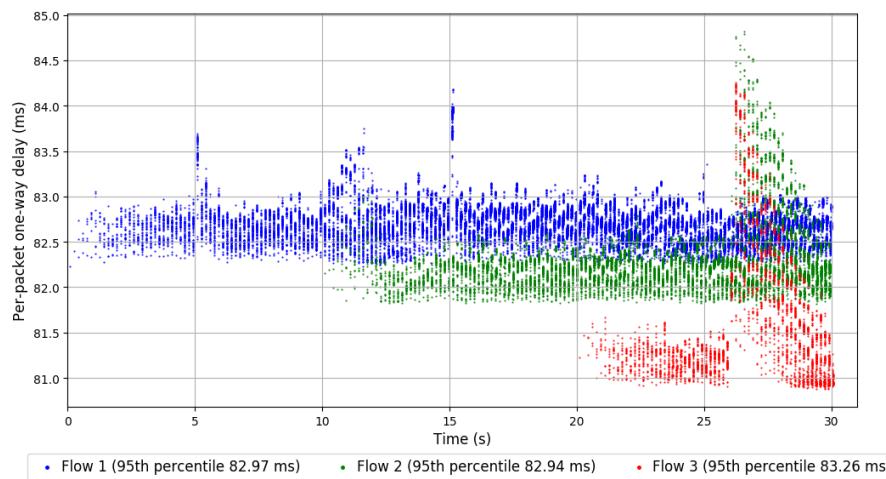
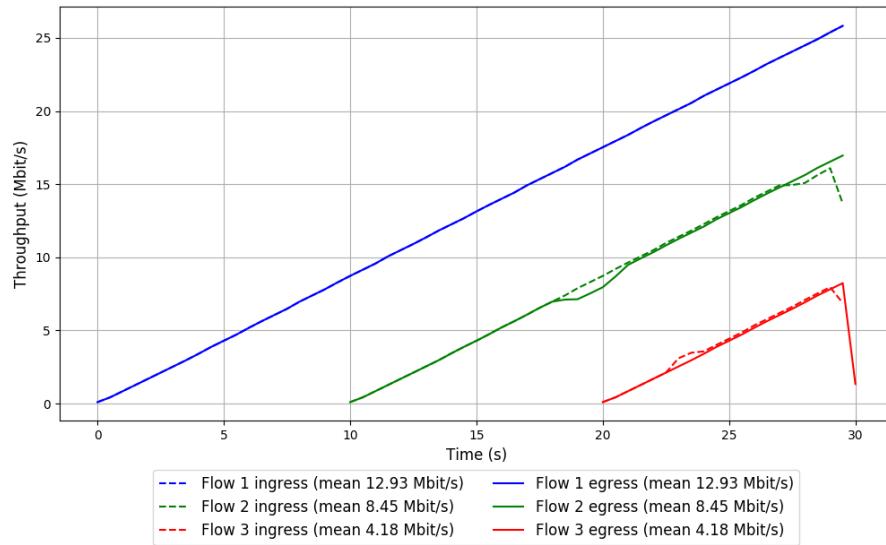


Run 3: Statistics of LEDBAT

```
Start at: 2018-01-17 03:37:13
End at: 2018-01-17 03:37:43
Local clock offset: 0.986 ms
Remote clock offset: -5.941 ms

# Below is generated by plot.py at 2018-01-17 07:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.88 Mbit/s
95th percentile per-packet one-way delay: 82.975 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.93 Mbit/s
95th percentile per-packet one-way delay: 82.974 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 82.943 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.18 Mbit/s
95th percentile per-packet one-way delay: 83.264 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

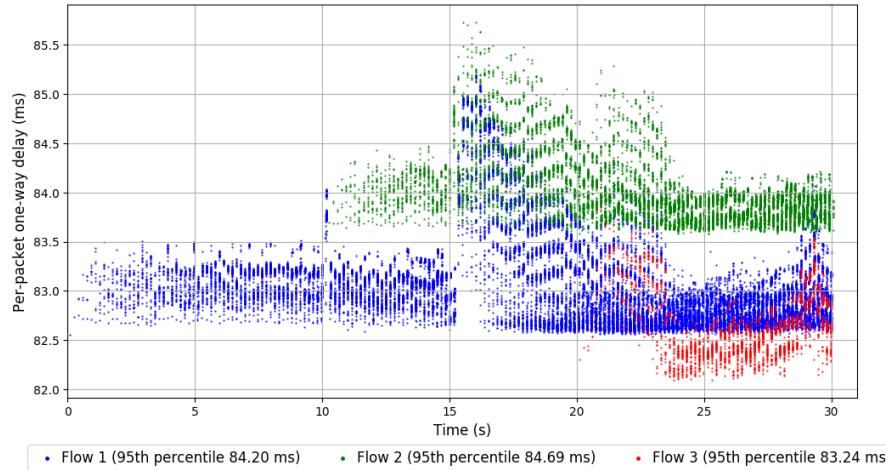
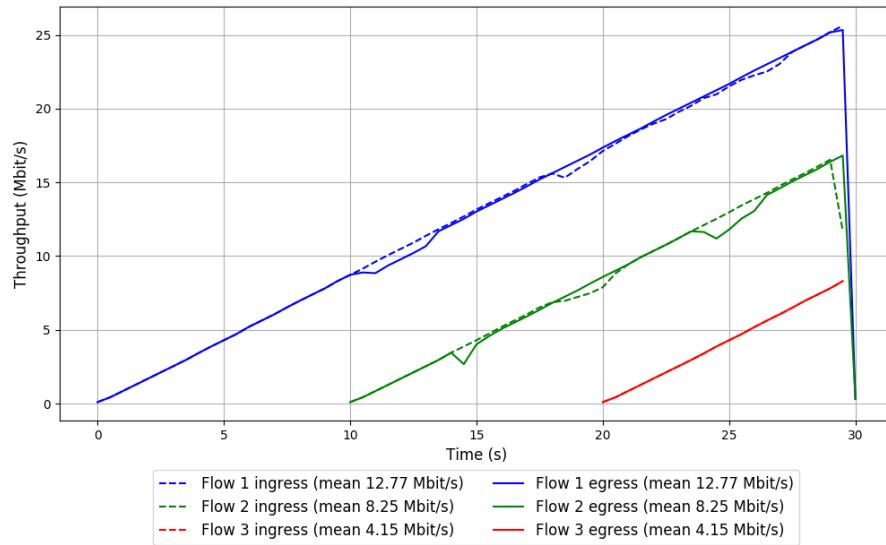


Run 4: Statistics of LEDBAT

```
Start at: 2018-01-17 04:00:31
End at: 2018-01-17 04:01:01
Local clock offset: 0.9 ms
Remote clock offset: -5.706 ms

# Below is generated by plot.py at 2018-01-17 07:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.61 Mbit/s
95th percentile per-packet one-way delay: 84.444 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 12.77 Mbit/s
95th percentile per-packet one-way delay: 84.202 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.25 Mbit/s
95th percentile per-packet one-way delay: 84.685 ms
Loss rate: 0.05%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 83.243 ms
Loss rate: 0.00%
```

## Run 4: Report of LEDBAT — Data Link

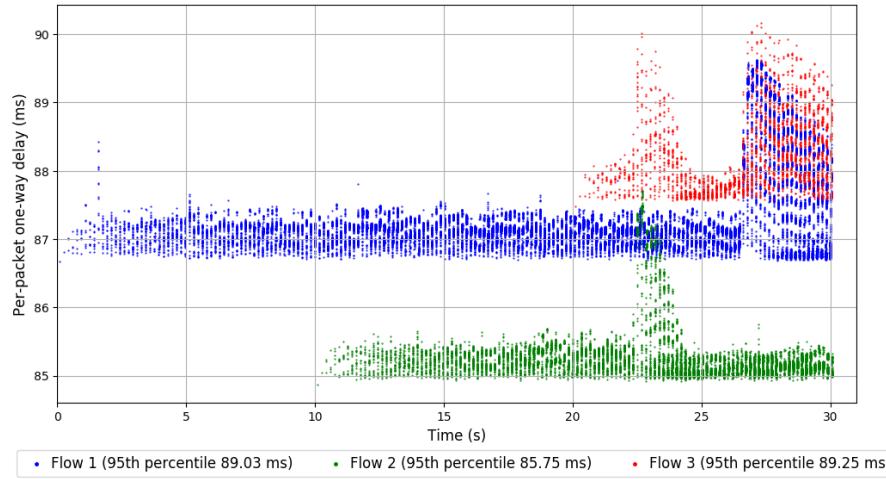
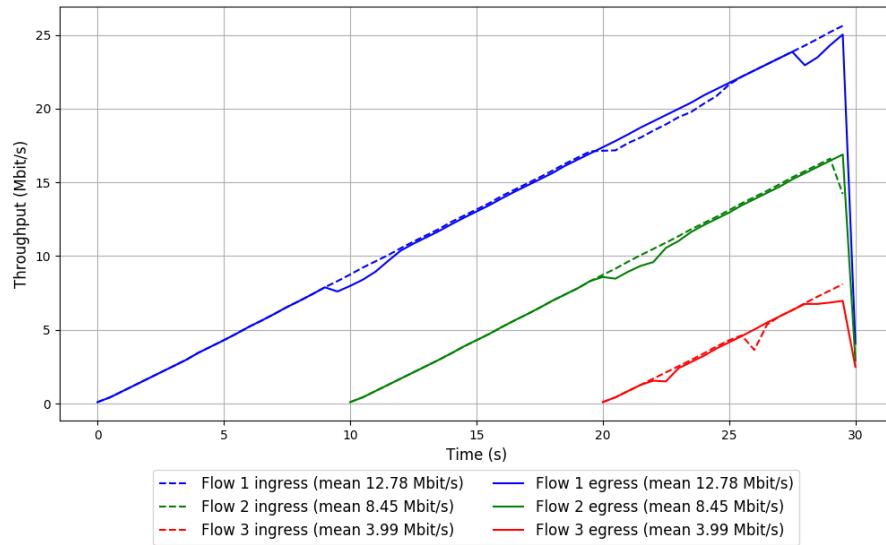


Run 5: Statistics of LEDBAT

```
Start at: 2018-01-17 04:23:47
End at: 2018-01-17 04:24:17
Local clock offset: 0.86 ms
Remote clock offset: -1.681 ms

# Below is generated by plot.py at 2018-01-17 07:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.72 Mbit/s
95th percentile per-packet one-way delay: 88.814 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 89.025 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 85.754 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.99 Mbit/s
95th percentile per-packet one-way delay: 89.247 ms
Loss rate: 0.00%
```

## Run 5: Report of LEDBAT — Data Link

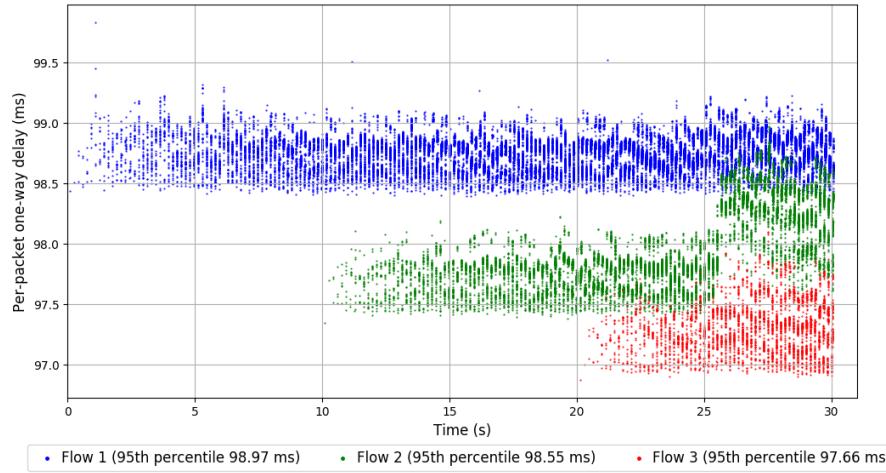
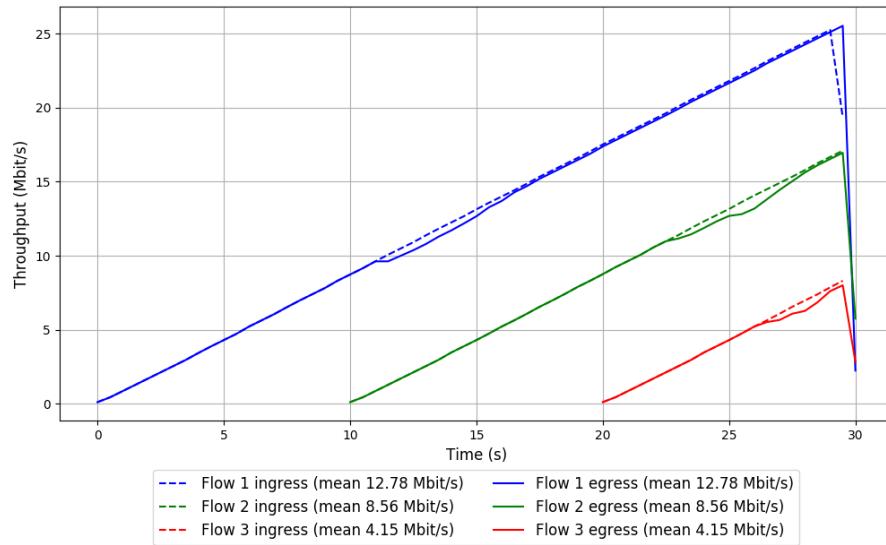


Run 6: Statistics of LEDBAT

```
Start at: 2018-01-17 04:47:12
End at: 2018-01-17 04:47:42
Local clock offset: 0.741 ms
Remote clock offset: 9.85 ms

# Below is generated by plot.py at 2018-01-17 07:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.84 Mbit/s
95th percentile per-packet one-way delay: 98.934 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.78 Mbit/s
95th percentile per-packet one-way delay: 98.965 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 8.56 Mbit/s
95th percentile per-packet one-way delay: 98.552 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.15 Mbit/s
95th percentile per-packet one-way delay: 97.657 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

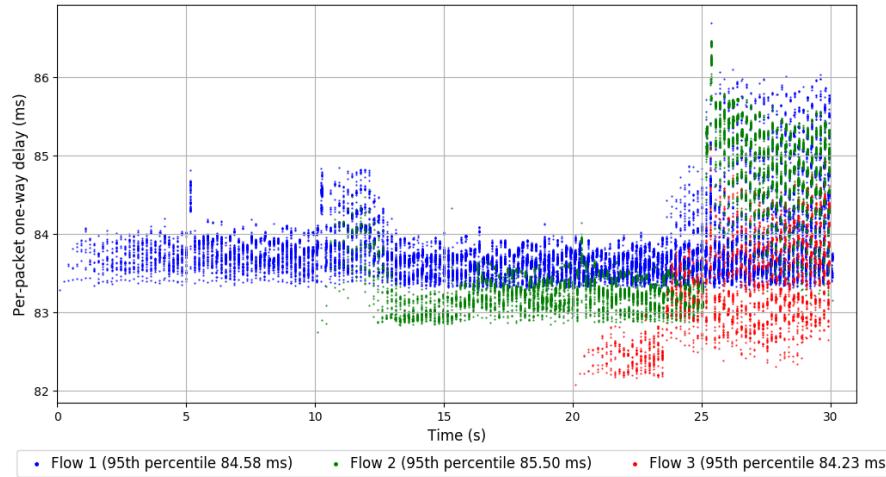
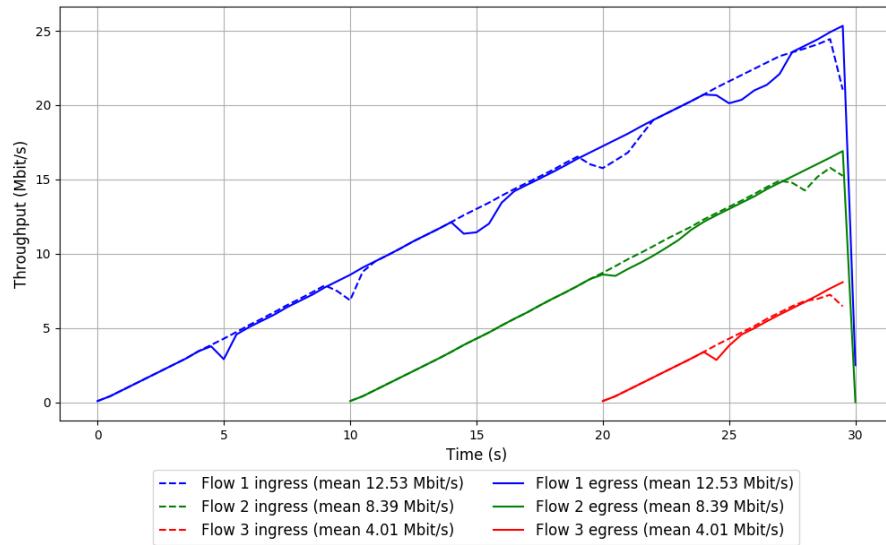


Run 7: Statistics of LEDBAT

```
Start at: 2018-01-17 05:10:37
End at: 2018-01-17 05:11:07
Local clock offset: 0.656 ms
Remote clock offset: -5.355 ms

# Below is generated by plot.py at 2018-01-17 07:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.43 Mbit/s
95th percentile per-packet one-way delay: 85.253 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.53 Mbit/s
95th percentile per-packet one-way delay: 84.575 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 85.497 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 84.228 ms
Loss rate: 0.00%
```

## Run 7: Report of LEDBAT — Data Link

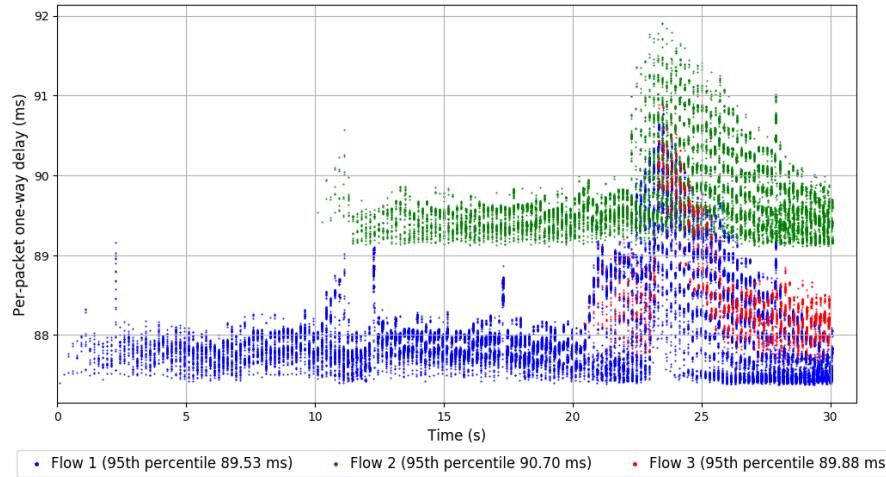
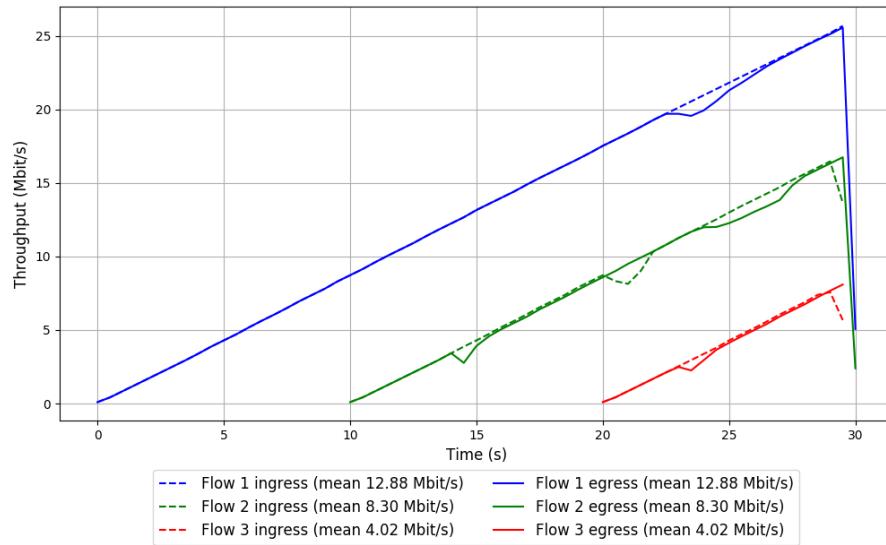


Run 8: Statistics of LEDBAT

```
Start at: 2018-01-17 05:33:54
End at: 2018-01-17 05:34:24
Local clock offset: 0.586 ms
Remote clock offset: 0.239 ms

# Below is generated by plot.py at 2018-01-17 07:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.72 Mbit/s
95th percentile per-packet one-way delay: 90.140 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 89.530 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.30 Mbit/s
95th percentile per-packet one-way delay: 90.700 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 4.02 Mbit/s
95th percentile per-packet one-way delay: 89.884 ms
Loss rate: 0.00%
```

Run 8: Report of LEDBAT — Data Link

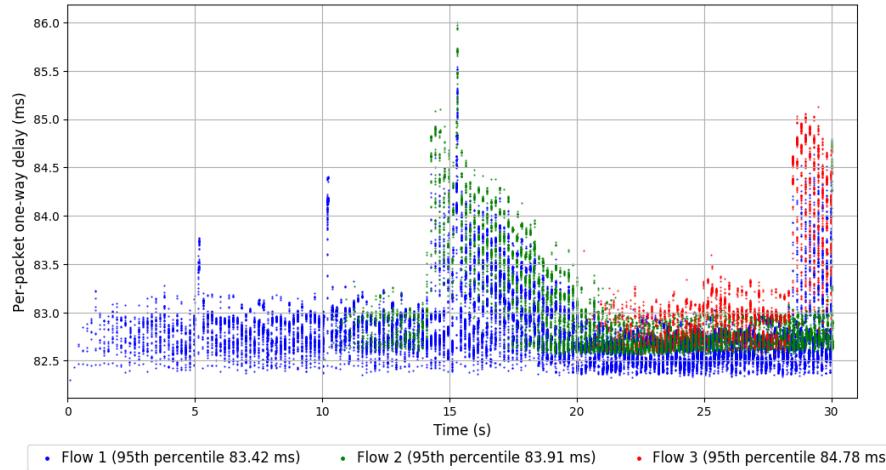
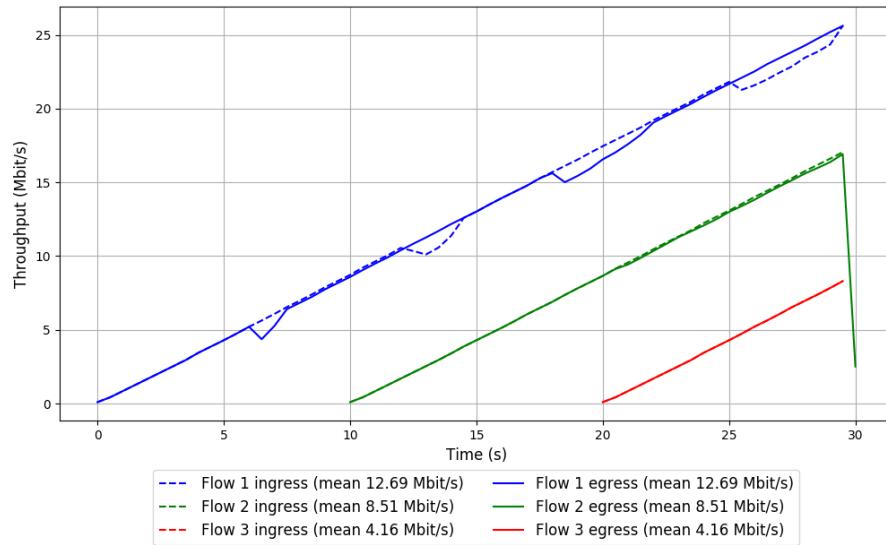


Run 9: Statistics of LEDBAT

```
Start at: 2018-01-17 05:57:21
End at: 2018-01-17 05:57:51
Local clock offset: 0.683 ms
Remote clock offset: -5.923 ms

# Below is generated by plot.py at 2018-01-17 07:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 19.72 Mbit/s
95th percentile per-packet one-way delay: 83.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.69 Mbit/s
95th percentile per-packet one-way delay: 83.420 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 83.914 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.16 Mbit/s
95th percentile per-packet one-way delay: 84.782 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

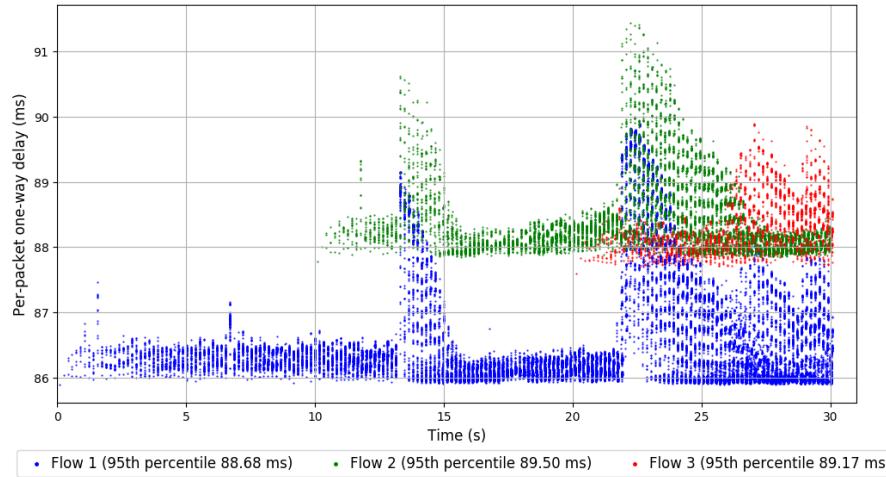
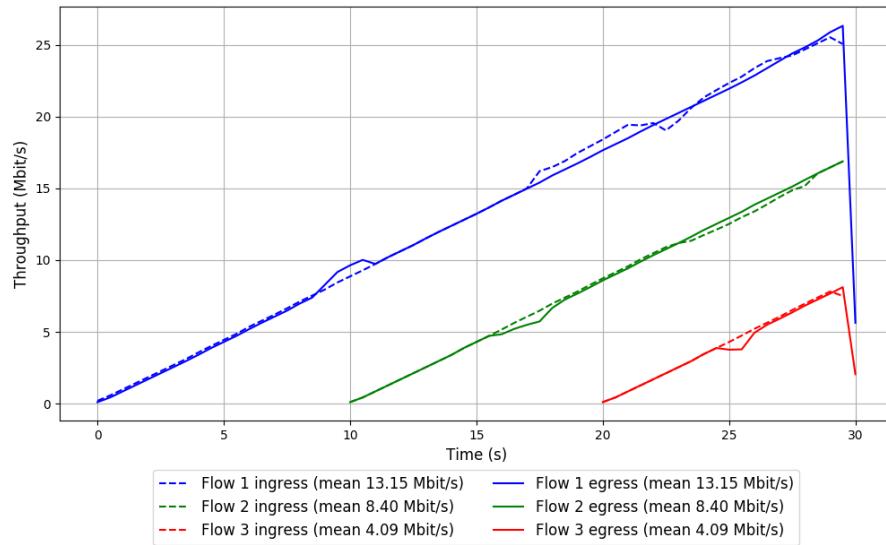


Run 10: Statistics of LEDBAT

```
Start at: 2018-01-17 06:20:50
End at: 2018-01-17 06:21:20
Local clock offset: 0.719 ms
Remote clock offset: 0.086 ms

# Below is generated by plot.py at 2018-01-17 07:14:17
# Datalink statistics
-- Total of 3 flows:
Average throughput: 20.08 Mbit/s
95th percentile per-packet one-way delay: 89.156 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.15 Mbit/s
95th percentile per-packet one-way delay: 88.682 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 89.496 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 4.09 Mbit/s
95th percentile per-packet one-way delay: 89.167 ms
Loss rate: 0.00%
```

## Run 10: Report of LEDBAT — Data Link

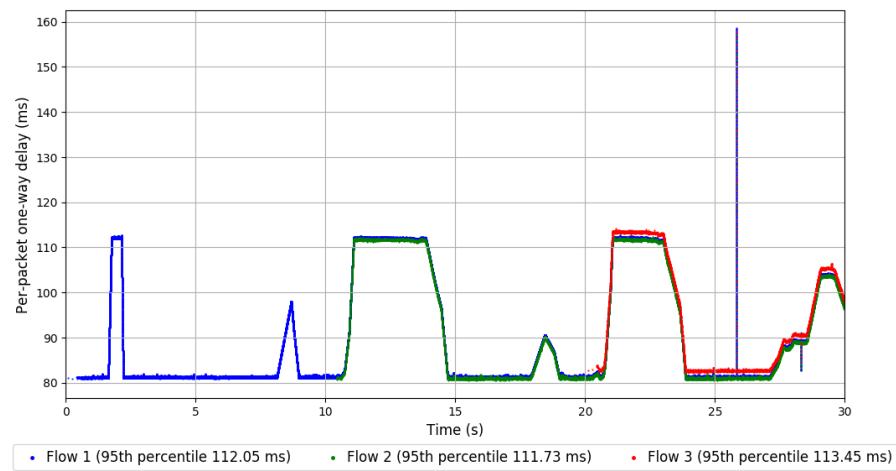
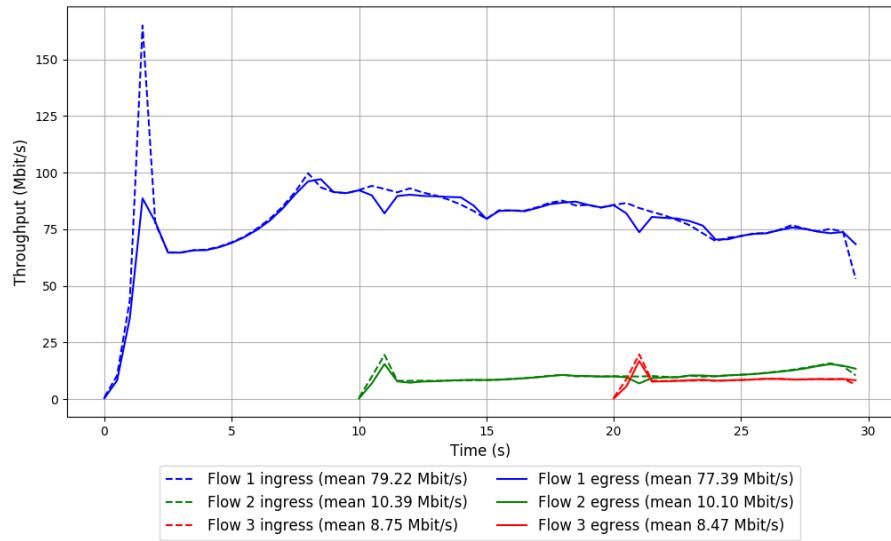


```
Run 1: Statistics of PCC

Start at: 2018-01-17 02:55:56
End at: 2018-01-17 02:56:26
Local clock offset: 1.019 ms
Remote clock offset: -5.047 ms

# Below is generated by plot.py at 2018-01-17 07:15:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 112.058 ms
Loss rate: 2.32%
-- Flow 1:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 112.054 ms
Loss rate: 2.26%
-- Flow 2:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 111.726 ms
Loss rate: 2.75%
-- Flow 3:
Average throughput: 8.47 Mbit/s
95th percentile per-packet one-way delay: 113.454 ms
Loss rate: 3.01%
```

## Run 1: Report of PCC — Data Link

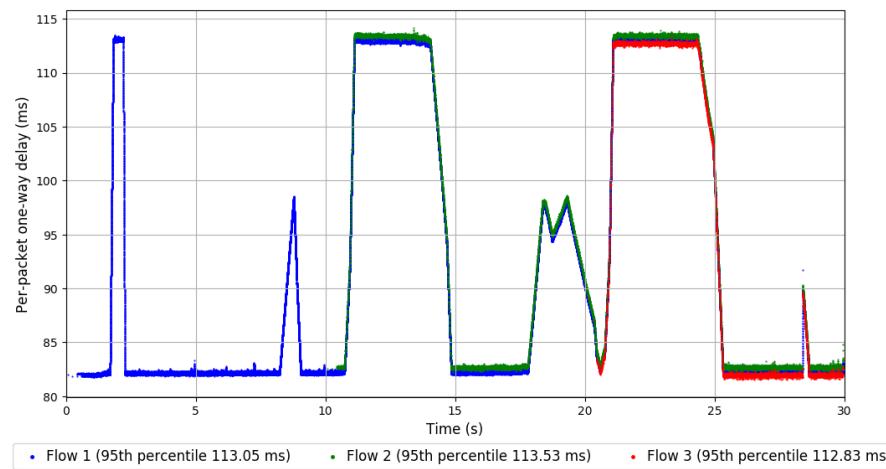
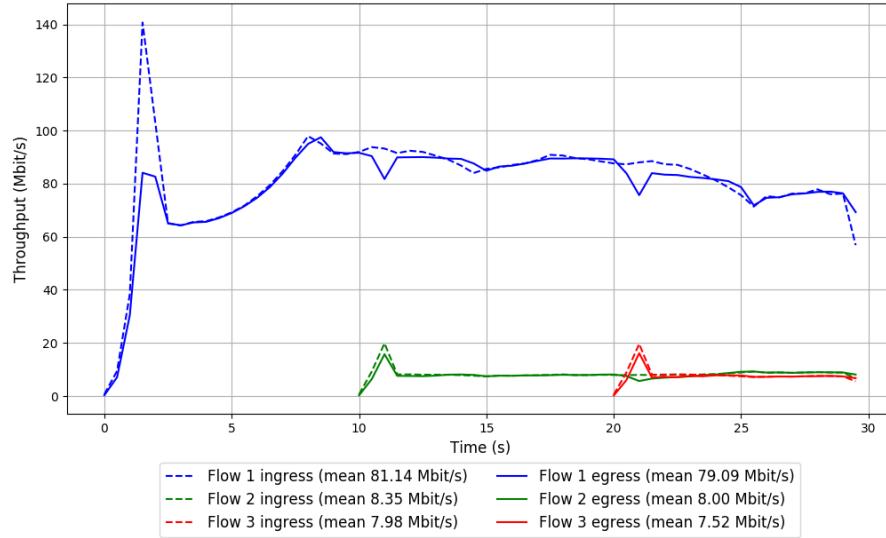


Run 2: Statistics of PCC

```
Start at: 2018-01-17 03:19:09
End at: 2018-01-17 03:19:39
Local clock offset: 1.081 ms
Remote clock offset: -6.413 ms

# Below is generated by plot.py at 2018-01-17 07:15:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.87 Mbit/s
95th percentile per-packet one-way delay: 113.072 ms
Loss rate: 2.73%
-- Flow 1:
Average throughput: 79.09 Mbit/s
95th percentile per-packet one-way delay: 113.047 ms
Loss rate: 2.53%
-- Flow 2:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 113.531 ms
Loss rate: 4.16%
-- Flow 3:
Average throughput: 7.52 Mbit/s
95th percentile per-packet one-way delay: 112.828 ms
Loss rate: 5.84%
```

## Run 2: Report of PCC — Data Link

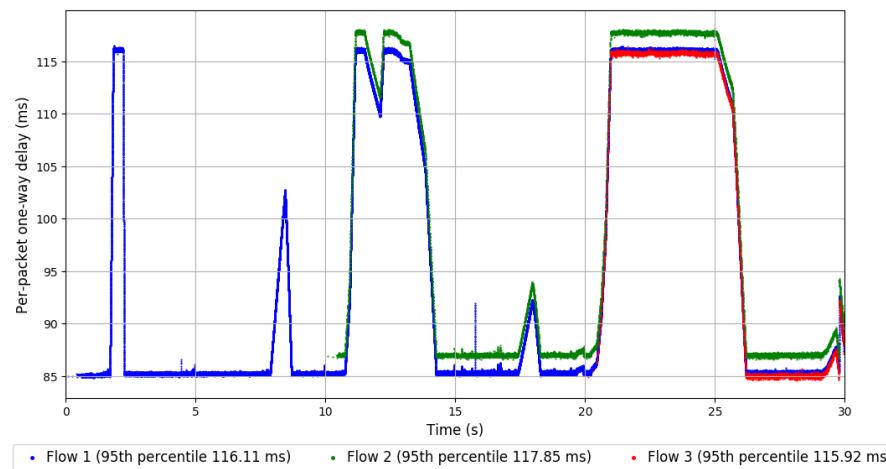
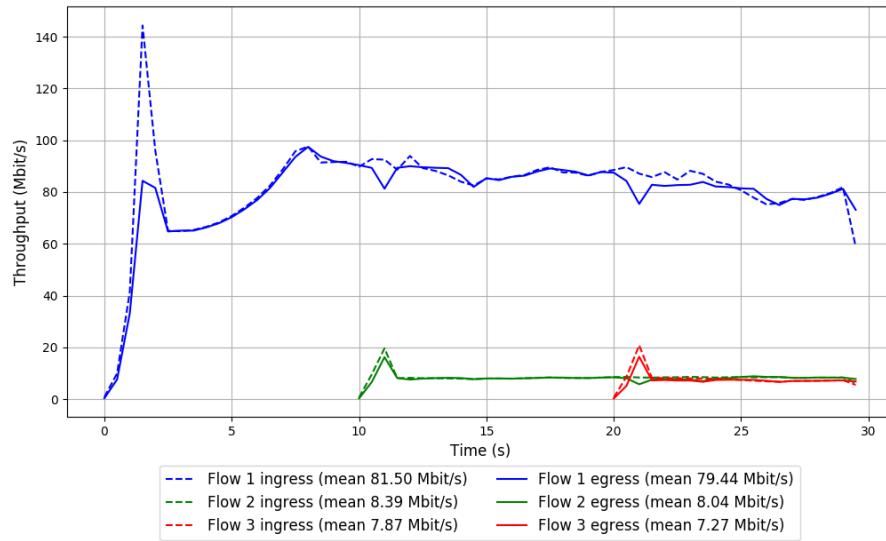


Run 3: Statistics of PCC

```
Start at: 2018-01-17 03:42:25
End at: 2018-01-17 03:42:55
Local clock offset: 0.964 ms
Remote clock offset: -2.066 ms

# Below is generated by plot.py at 2018-01-17 07:15:19
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.19 Mbit/s
95th percentile per-packet one-way delay: 116.137 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 79.44 Mbit/s
95th percentile per-packet one-way delay: 116.111 ms
Loss rate: 2.52%
-- Flow 2:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 117.852 ms
Loss rate: 4.21%
-- Flow 3:
Average throughput: 7.27 Mbit/s
95th percentile per-packet one-way delay: 115.922 ms
Loss rate: 7.60%
```

### Run 3: Report of PCC — Data Link

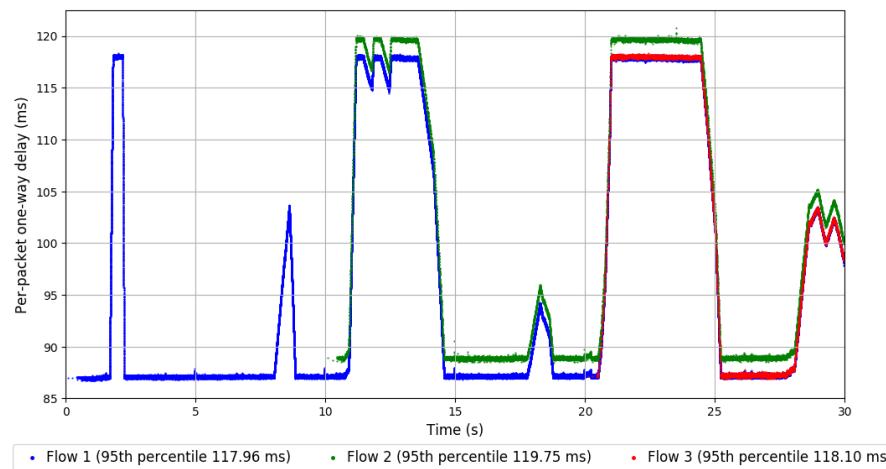
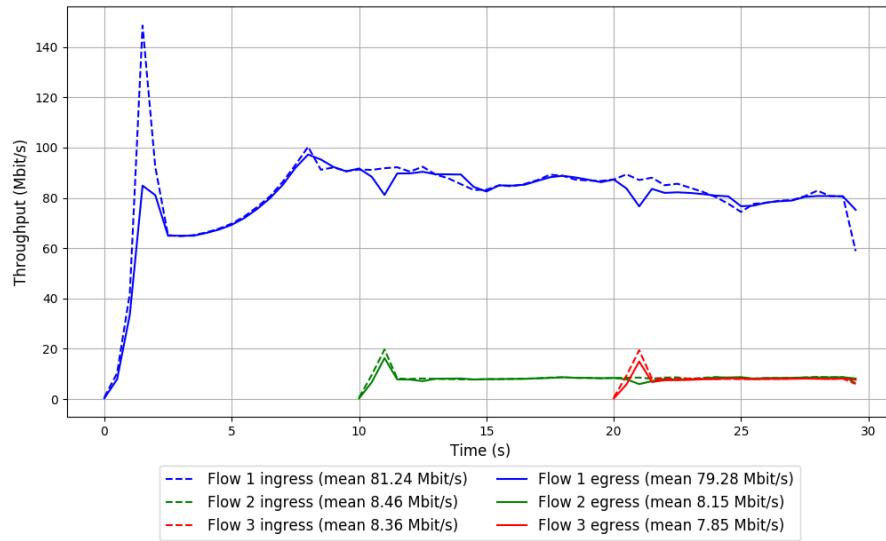


Run 4: Statistics of PCC

```
Start at: 2018-01-17 04:05:37
End at: 2018-01-17 04:06:07
Local clock offset: 0.838 ms
Remote clock offset: 0.127 ms

# Below is generated by plot.py at 2018-01-17 07:15:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.29 Mbit/s
95th percentile per-packet one-way delay: 117.993 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 79.28 Mbit/s
95th percentile per-packet one-way delay: 117.956 ms
Loss rate: 2.37%
-- Flow 2:
Average throughput: 8.15 Mbit/s
95th percentile per-packet one-way delay: 119.745 ms
Loss rate: 3.54%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 118.099 ms
Loss rate: 6.00%
```

## Run 4: Report of PCC — Data Link

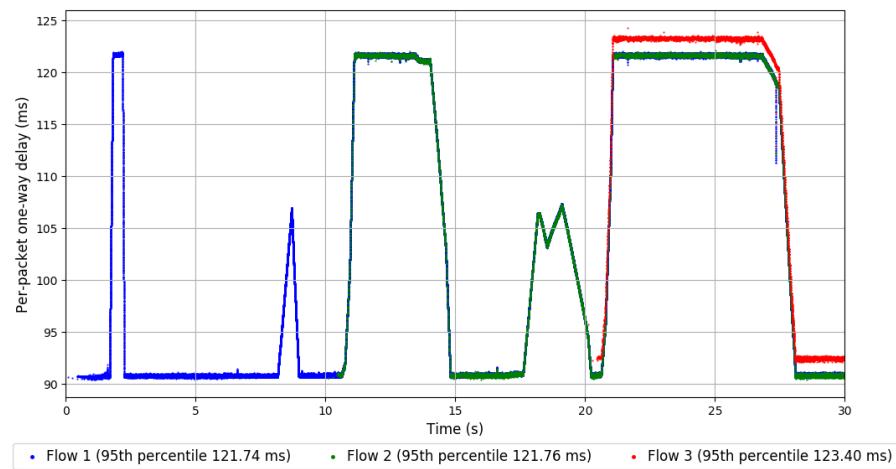
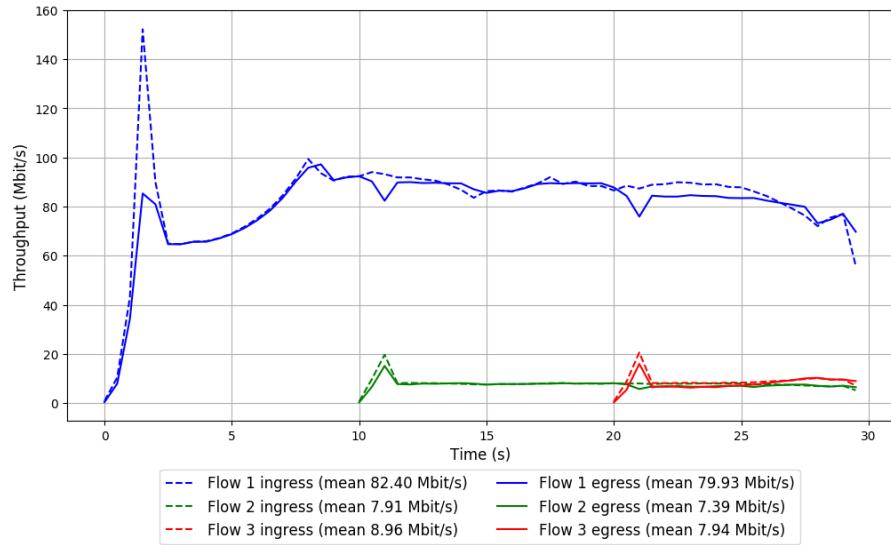


Run 5: Statistics of PCC

```
Start at: 2018-01-17 04:29:01
End at: 2018-01-17 04:29:31
Local clock offset: 0.825 ms
Remote clock offset: 3.608 ms

# Below is generated by plot.py at 2018-01-17 07:15:28
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.45 Mbit/s
95th percentile per-packet one-way delay: 121.768 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 79.93 Mbit/s
95th percentile per-packet one-way delay: 121.744 ms
Loss rate: 3.00%
-- Flow 2:
Average throughput: 7.39 Mbit/s
95th percentile per-packet one-way delay: 121.758 ms
Loss rate: 6.54%
-- Flow 3:
Average throughput: 7.94 Mbit/s
95th percentile per-packet one-way delay: 123.397 ms
Loss rate: 11.49%
```

## Run 5: Report of PCC — Data Link

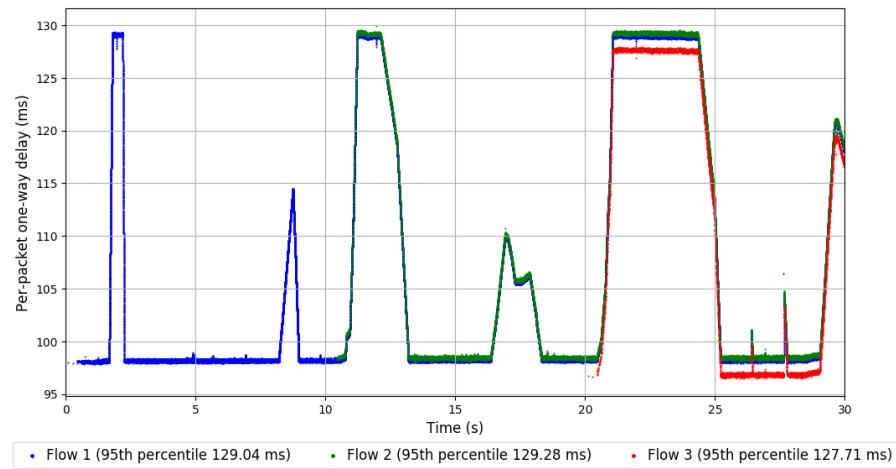
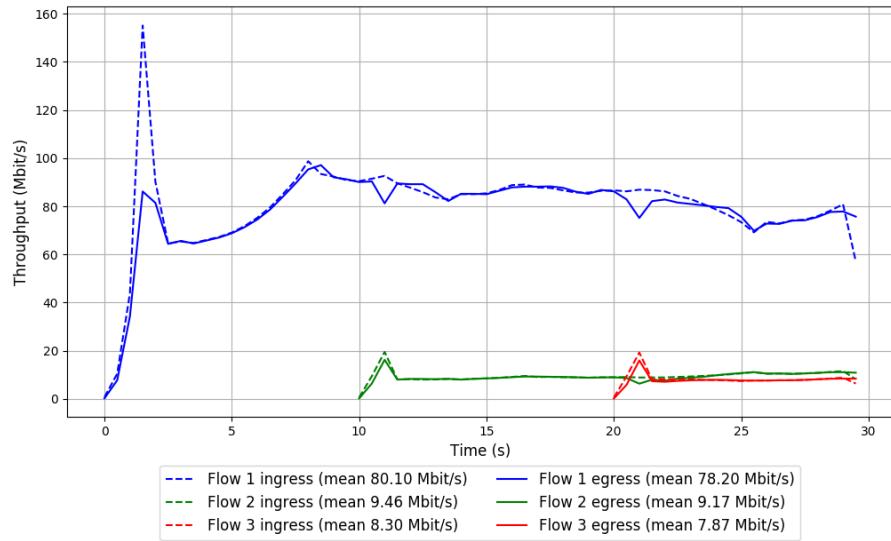


Run 6: Statistics of PCC

```
Start at: 2018-01-17 04:52:24
End at: 2018-01-17 04:52:54
Local clock offset: 0.658 ms
Remote clock offset: 9.135 ms

# Below is generated by plot.py at 2018-01-17 07:15:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.89 Mbit/s
95th percentile per-packet one-way delay: 129.052 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 78.20 Mbit/s
95th percentile per-packet one-way delay: 129.036 ms
Loss rate: 2.32%
-- Flow 2:
Average throughput: 9.17 Mbit/s
95th percentile per-packet one-way delay: 129.276 ms
Loss rate: 2.92%
-- Flow 3:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 127.711 ms
Loss rate: 4.94%
```

## Run 6: Report of PCC — Data Link

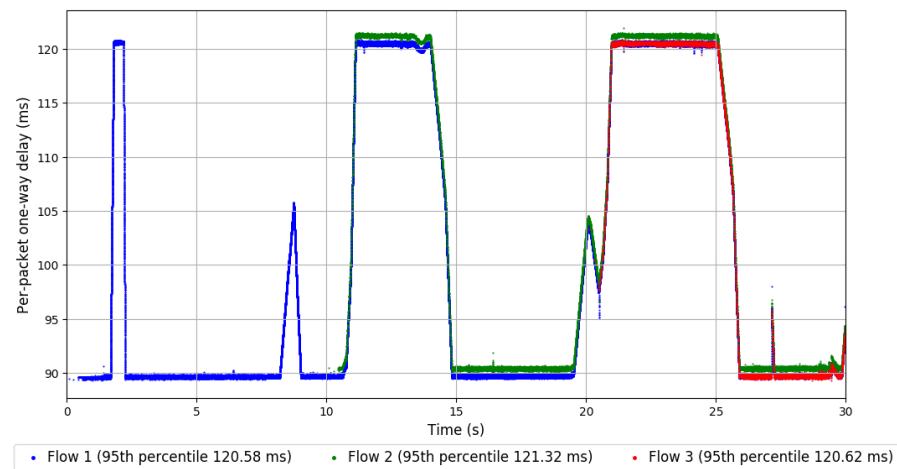
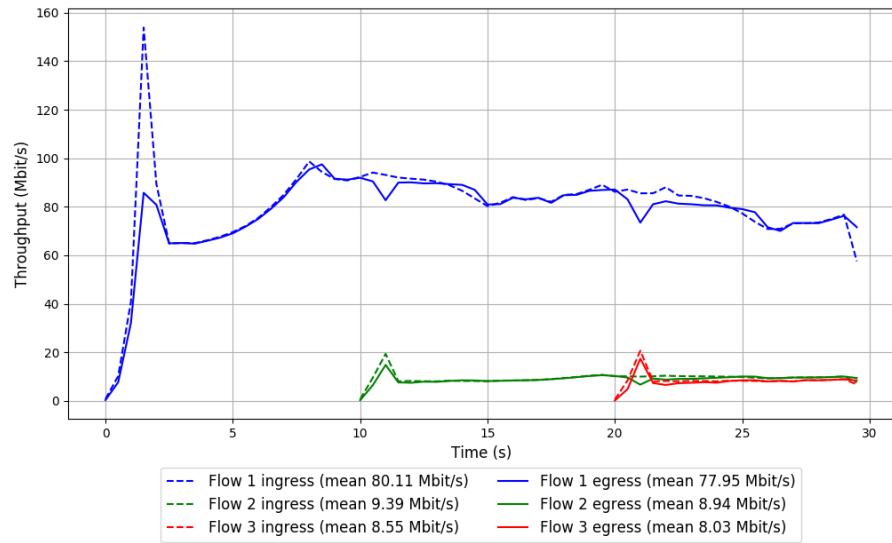


Run 7: Statistics of PCC

```
Start at: 2018-01-17 05:15:43
End at: 2018-01-17 05:16:13
Local clock offset: 0.714 ms
Remote clock offset: 0.756 ms

# Below is generated by plot.py at 2018-01-17 07:15:31
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.53 Mbit/s
95th percentile per-packet one-way delay: 120.614 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 77.95 Mbit/s
95th percentile per-packet one-way delay: 120.578 ms
Loss rate: 2.68%
-- Flow 2:
Average throughput: 8.94 Mbit/s
95th percentile per-packet one-way delay: 121.316 ms
Loss rate: 4.72%
-- Flow 3:
Average throughput: 8.03 Mbit/s
95th percentile per-packet one-way delay: 120.618 ms
Loss rate: 6.17%
```

## Run 7: Report of PCC — Data Link

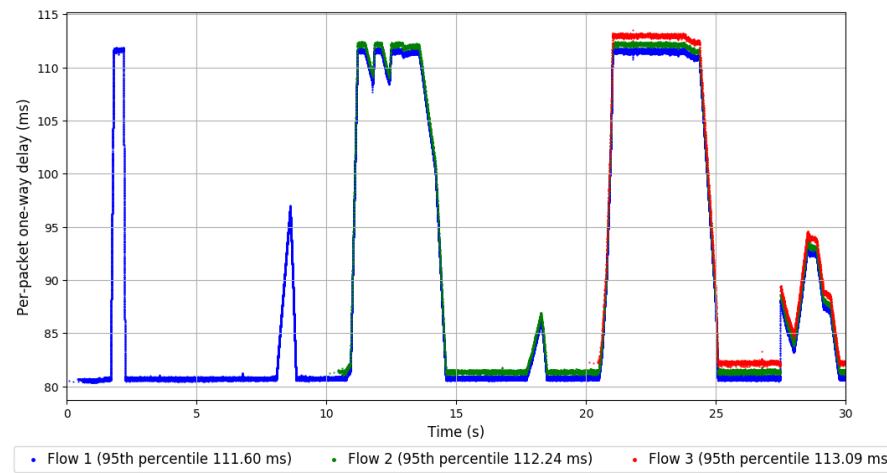
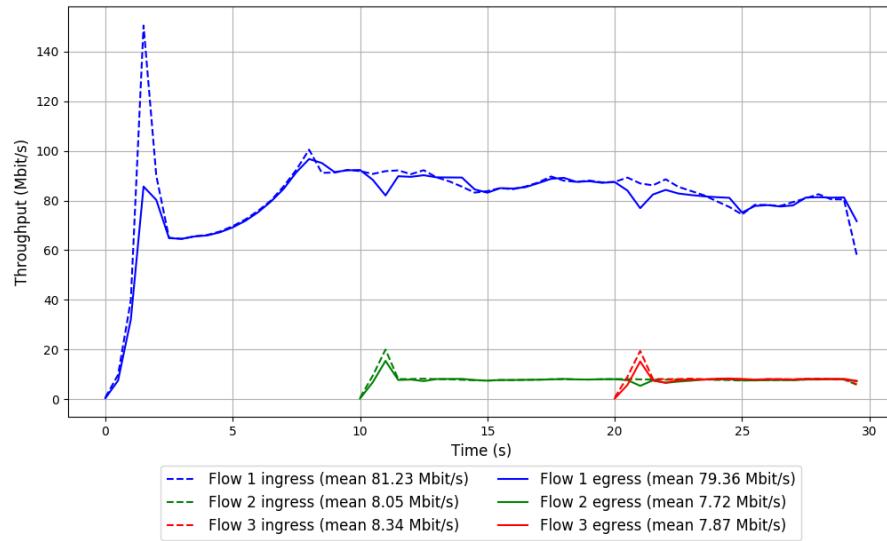


Run 8: Statistics of PCC

```
Start at: 2018-01-17 05:39:06
End at: 2018-01-17 05:39:36
Local clock offset: 0.675 ms
Remote clock offset: -6.49 ms

# Below is generated by plot.py at 2018-01-17 07:15:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 111.644 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 79.36 Mbit/s
95th percentile per-packet one-way delay: 111.597 ms
Loss rate: 2.30%
-- Flow 2:
Average throughput: 7.72 Mbit/s
95th percentile per-packet one-way delay: 112.239 ms
Loss rate: 4.04%
-- Flow 3:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 113.090 ms
Loss rate: 5.66%
```

Run 8: Report of PCC — Data Link

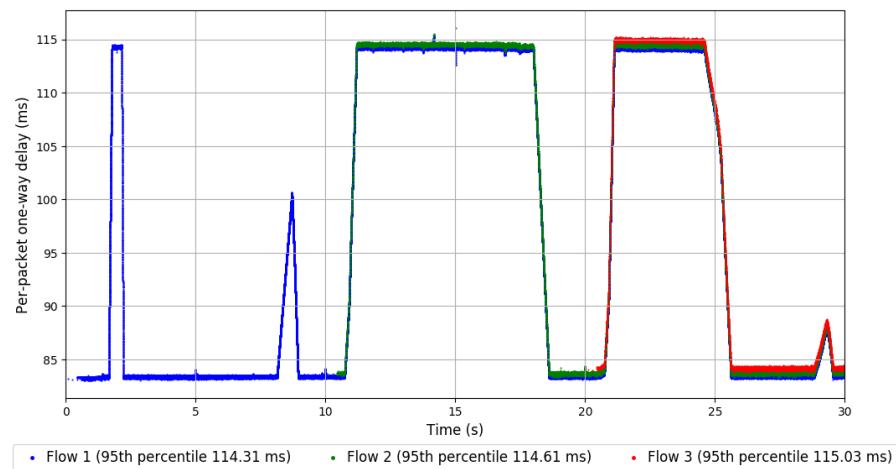
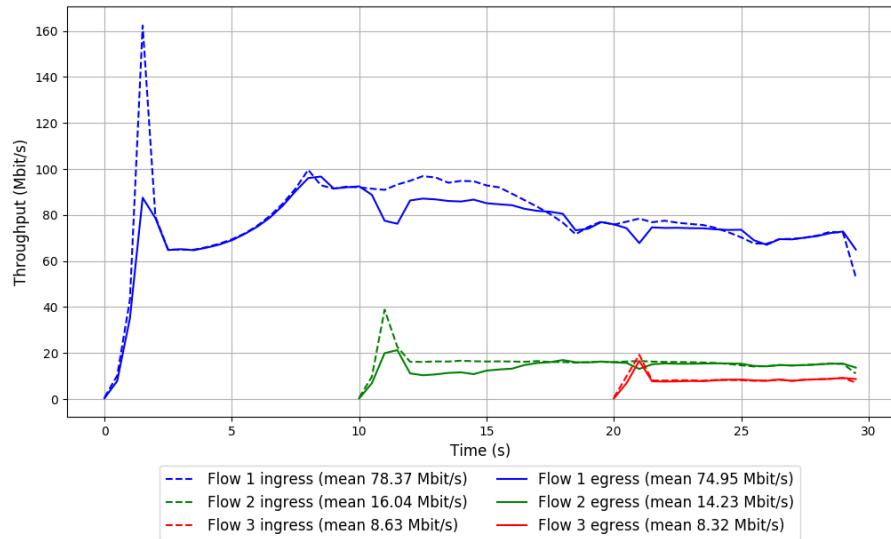


Run 9: Statistics of PCC

```
Start at: 2018-01-17 06:02:26
End at: 2018-01-17 06:02:56
Local clock offset: 0.69 ms
Remote clock offset: -5.002 ms

# Below is generated by plot.py at 2018-01-17 07:16:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 87.16 Mbit/s
95th percentile per-packet one-way delay: 114.431 ms
Loss rate: 5.14%
-- Flow 1:
Average throughput: 74.95 Mbit/s
95th percentile per-packet one-way delay: 114.311 ms
Loss rate: 4.36%
-- Flow 2:
Average throughput: 14.23 Mbit/s
95th percentile per-packet one-way delay: 114.613 ms
Loss rate: 11.28%
-- Flow 3:
Average throughput: 8.32 Mbit/s
95th percentile per-packet one-way delay: 115.026 ms
Loss rate: 3.58%
```

## Run 9: Report of PCC — Data Link

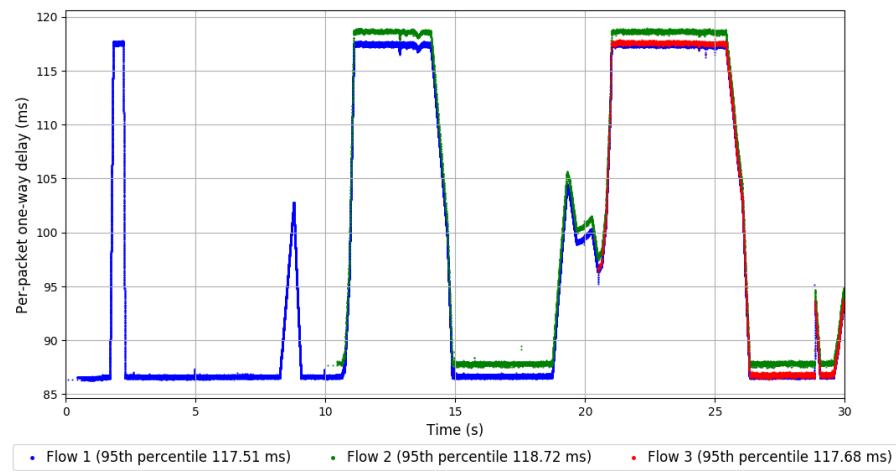
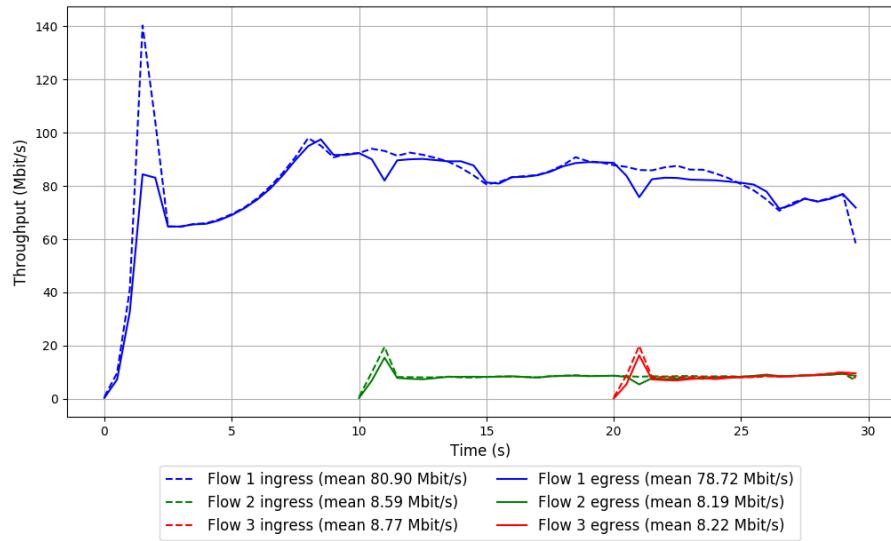


Run 10: Statistics of PCC

```
Start at: 2018-01-17 06:25:56
End at: 2018-01-17 06:26:26
Local clock offset: 0.739 ms
Remote clock offset: 0.214 ms

# Below is generated by plot.py at 2018-01-17 07:16:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 117.560 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 78.72 Mbit/s
95th percentile per-packet one-way delay: 117.513 ms
Loss rate: 2.67%
-- Flow 2:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 118.722 ms
Loss rate: 4.60%
-- Flow 3:
Average throughput: 8.22 Mbit/s
95th percentile per-packet one-way delay: 117.681 ms
Loss rate: 6.23%
```

Run 10: Report of PCC — Data Link

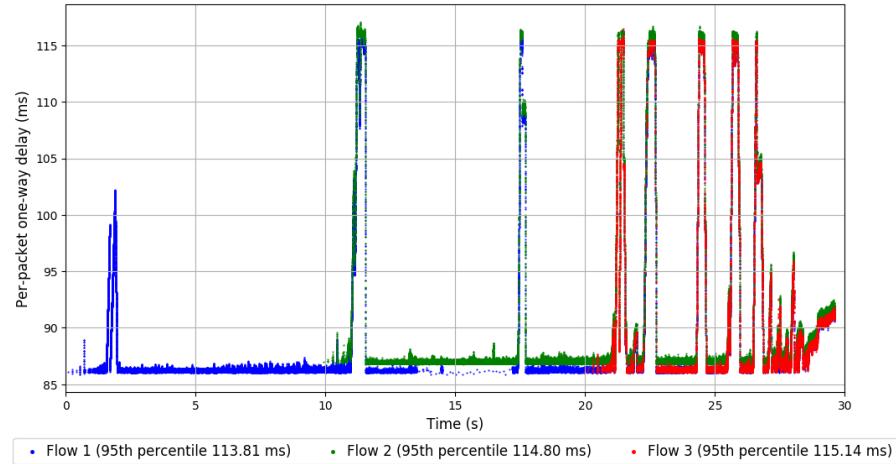
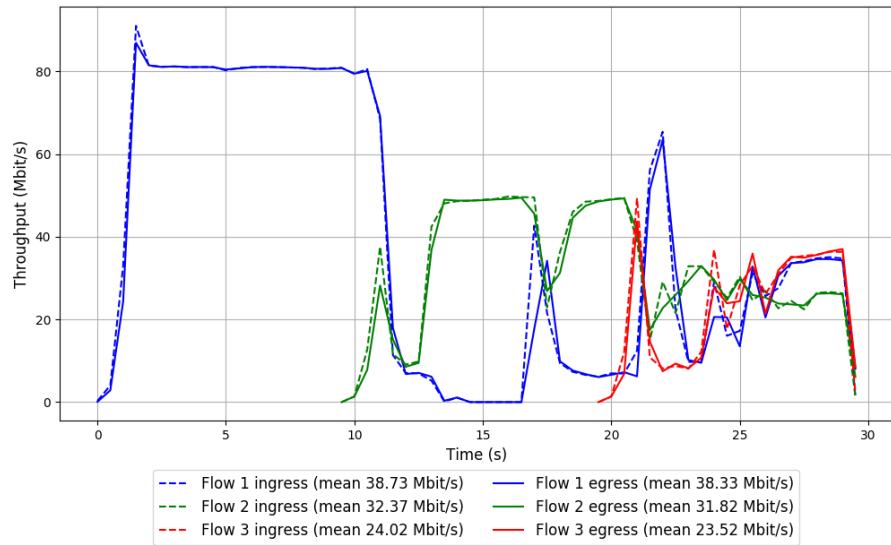


```
Run 1: Statistics of QUIC Cubic

Start at: 2018-01-17 03:11:24
End at: 2018-01-17 03:11:54
Local clock offset: 1.092 ms
Remote clock offset: -0.619 ms

# Below is generated by plot.py at 2018-01-17 07:16:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.26 Mbit/s
95th percentile per-packet one-way delay: 114.685 ms
Loss rate: 1.33%
-- Flow 1:
Average throughput: 38.33 Mbit/s
95th percentile per-packet one-way delay: 113.810 ms
Loss rate: 1.01%
-- Flow 2:
Average throughput: 31.82 Mbit/s
95th percentile per-packet one-way delay: 114.796 ms
Loss rate: 1.66%
-- Flow 3:
Average throughput: 23.52 Mbit/s
95th percentile per-packet one-way delay: 115.135 ms
Loss rate: 2.01%
```

Run 1: Report of QUIC Cubic — Data Link

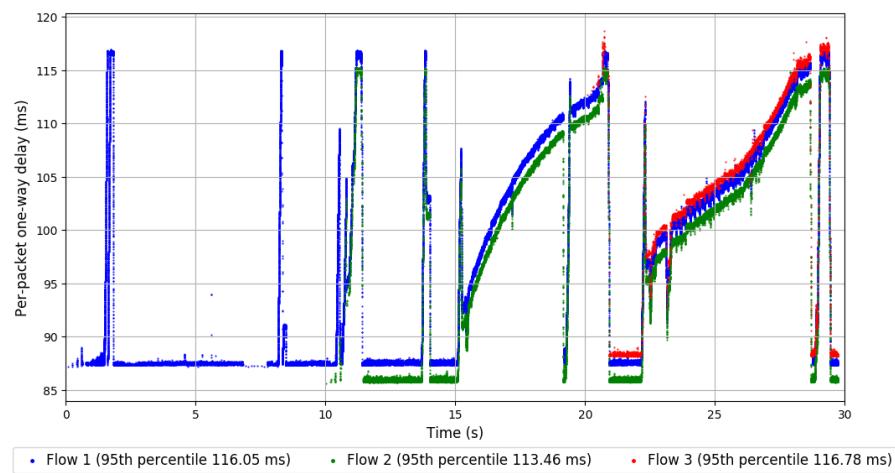
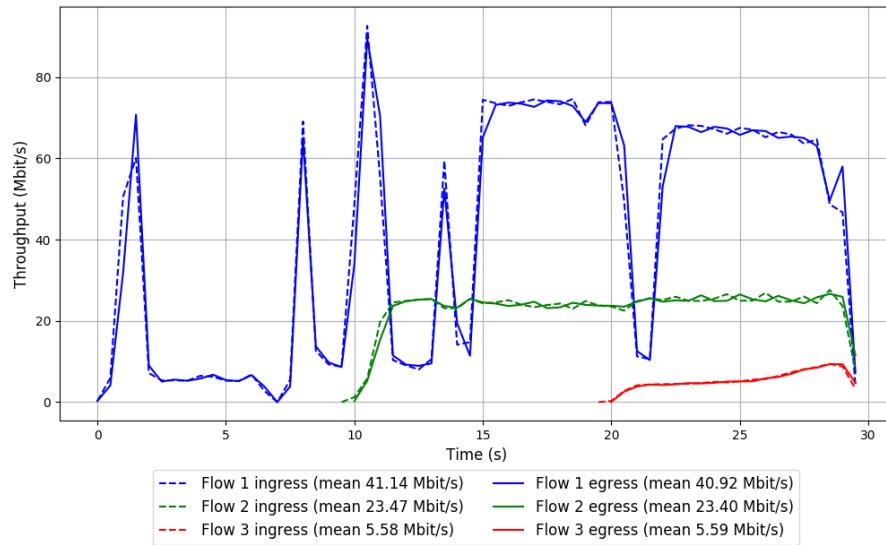


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-01-17 03:34:37
End at: 2018-01-17 03:35:07
Local clock offset: 0.978 ms
Remote clock offset: -1.03 ms

# Below is generated by plot.py at 2018-01-17 07:16:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 58.29 Mbit/s
95th percentile per-packet one-way delay: 115.226 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 116.046 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 113.456 ms
Loss rate: 0.26%
-- Flow 3:
Average throughput: 5.59 Mbit/s
95th percentile per-packet one-way delay: 116.782 ms
Loss rate: 0.04%
```

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

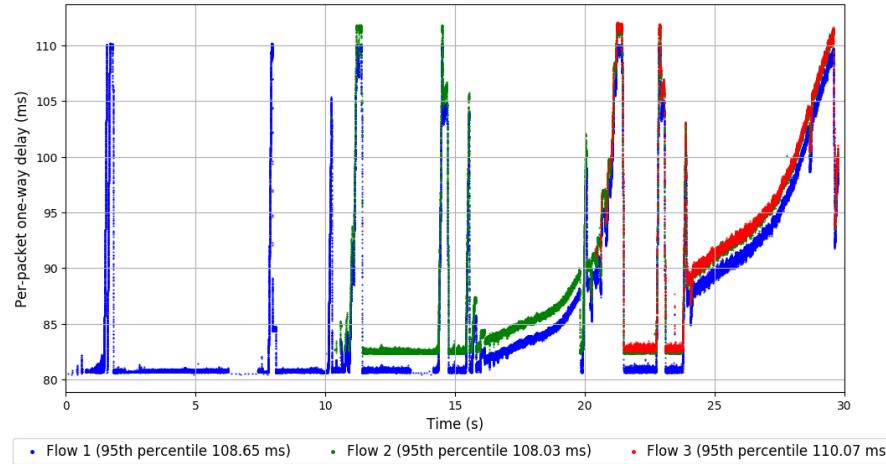
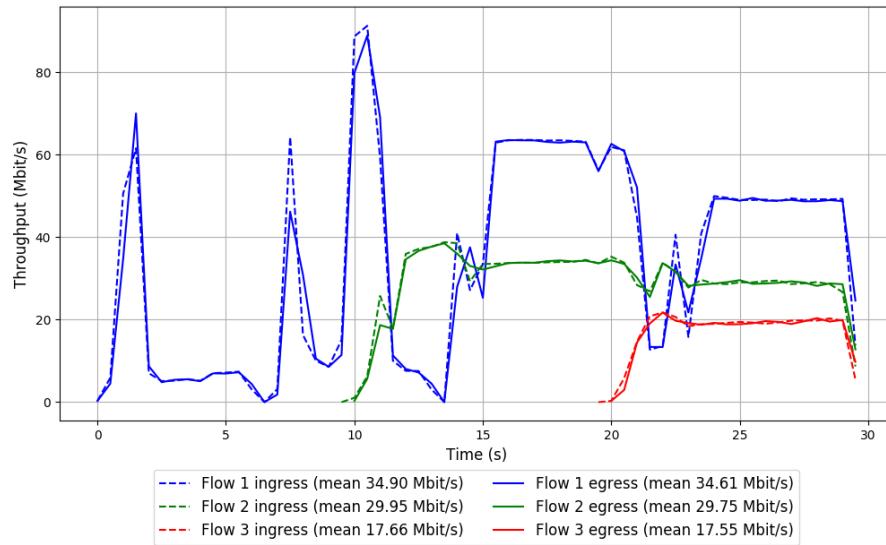


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-01-17 03:57:56
End at: 2018-01-17 03:58:26
Local clock offset: 0.873 ms
Remote clock offset: -6.551 ms

# Below is generated by plot.py at 2018-01-17 07:16:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.11 Mbit/s
95th percentile per-packet one-way delay: 108.655 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 108.646 ms
Loss rate: 0.79%
-- Flow 2:
Average throughput: 29.75 Mbit/s
95th percentile per-packet one-way delay: 108.030 ms
Loss rate: 0.57%
-- Flow 3:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 110.074 ms
Loss rate: 0.58%
```

Run 3: Report of QUIC Cubic — Data Link

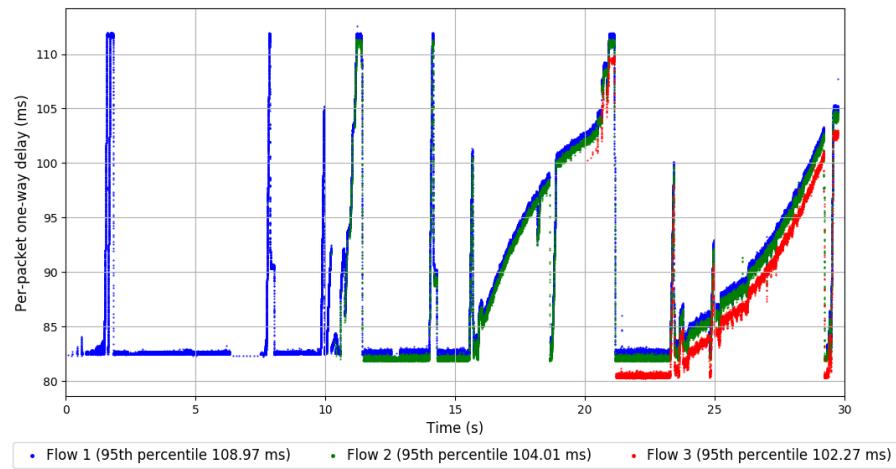
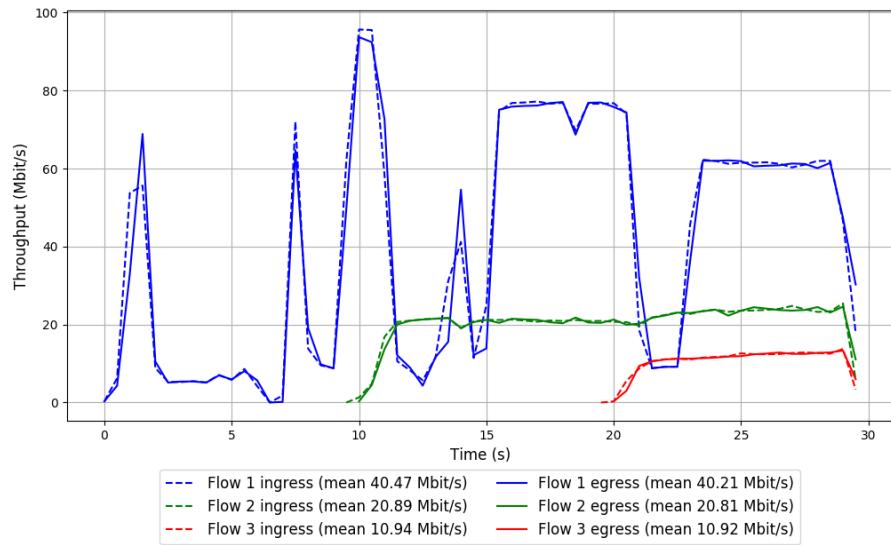


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-01-17 04:21:14
End at: 2018-01-17 04:21:44
Local clock offset: 0.864 ms
Remote clock offset: -6.432 ms

# Below is generated by plot.py at 2018-01-17 07:16:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.60 Mbit/s
95th percentile per-packet one-way delay: 108.037 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 108.969 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 20.81 Mbit/s
95th percentile per-packet one-way delay: 104.014 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 10.92 Mbit/s
95th percentile per-packet one-way delay: 102.265 ms
Loss rate: 0.16%
```

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

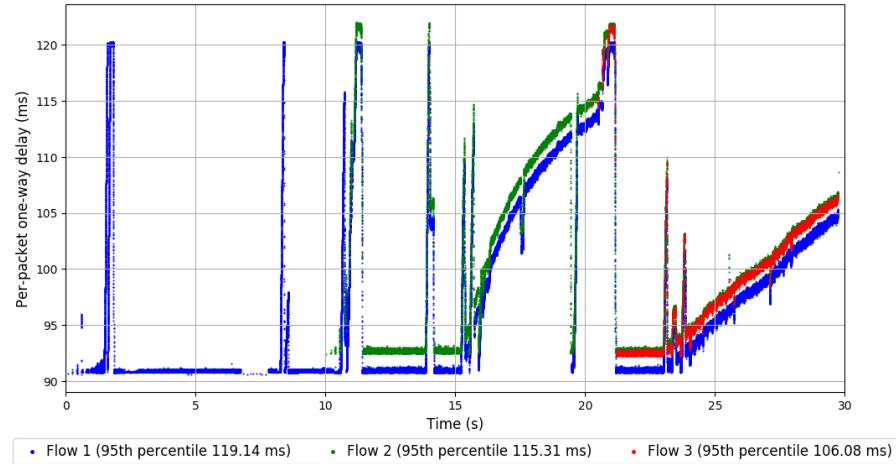
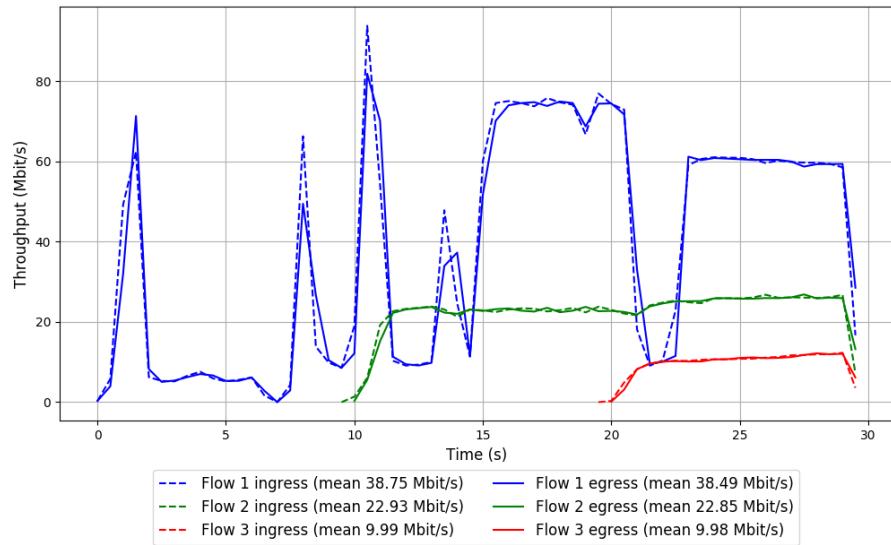


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-01-17 04:44:38
End at: 2018-01-17 04:45:08
Local clock offset: 0.677 ms
Remote clock offset: 3.304 ms

# Below is generated by plot.py at 2018-01-17 07:16:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.93 Mbit/s
95th percentile per-packet one-way delay: 117.974 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 38.49 Mbit/s
95th percentile per-packet one-way delay: 119.139 ms
Loss rate: 0.61%
-- Flow 2:
Average throughput: 22.85 Mbit/s
95th percentile per-packet one-way delay: 115.313 ms
Loss rate: 0.23%
-- Flow 3:
Average throughput: 9.98 Mbit/s
95th percentile per-packet one-way delay: 106.079 ms
Loss rate: 0.11%
```

Run 5: Report of QUIC Cubic — Data Link

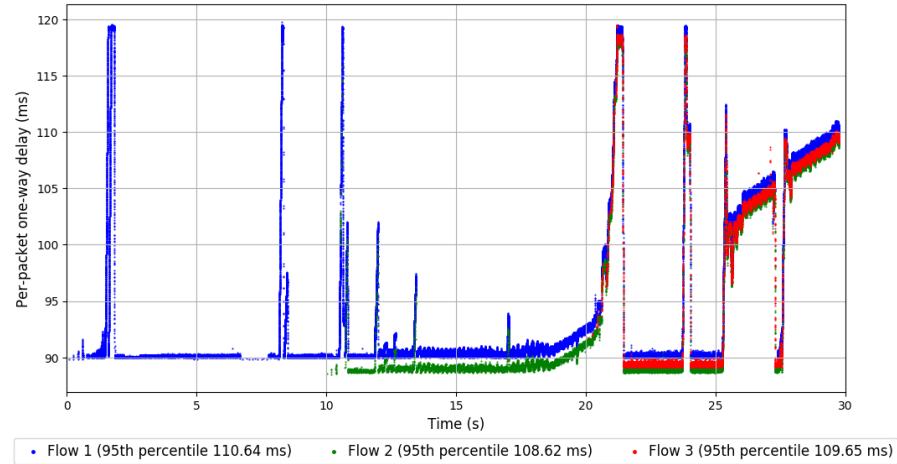
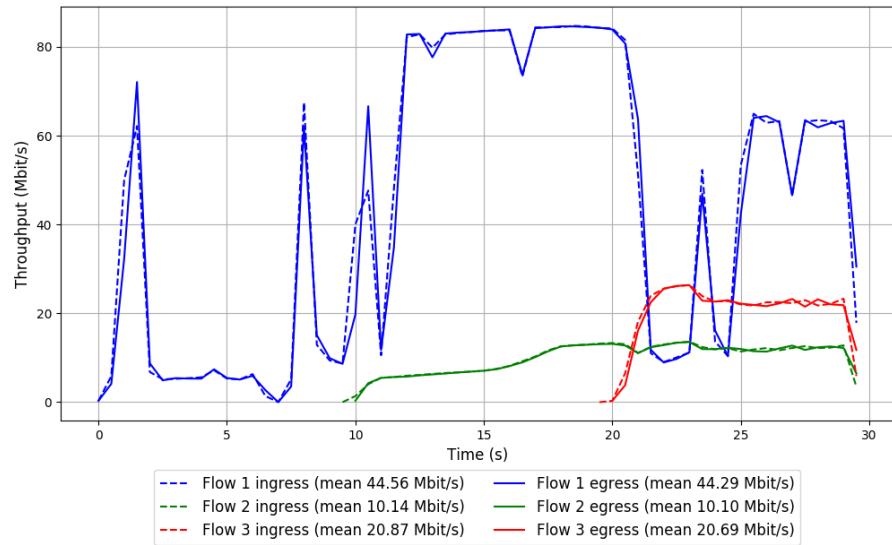


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-01-17 05:08:02
End at: 2018-01-17 05:08:32
Local clock offset: 0.651 ms
Remote clock offset: 1.145 ms

# Below is generated by plot.py at 2018-01-17 07:16:48
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 110.372 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 44.29 Mbit/s
95th percentile per-packet one-way delay: 110.635 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 10.10 Mbit/s
95th percentile per-packet one-way delay: 108.621 ms
Loss rate: 0.28%
-- Flow 3:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 109.648 ms
Loss rate: 0.67%
```

Run 6: Report of QUIC Cubic — Data Link

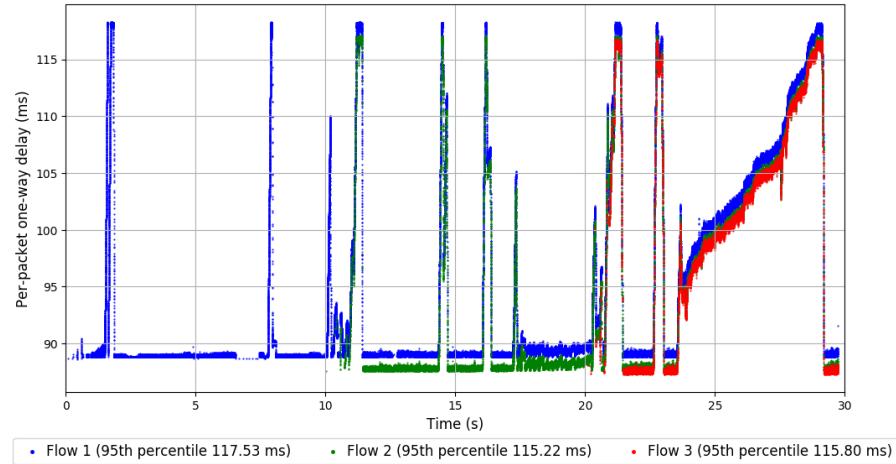
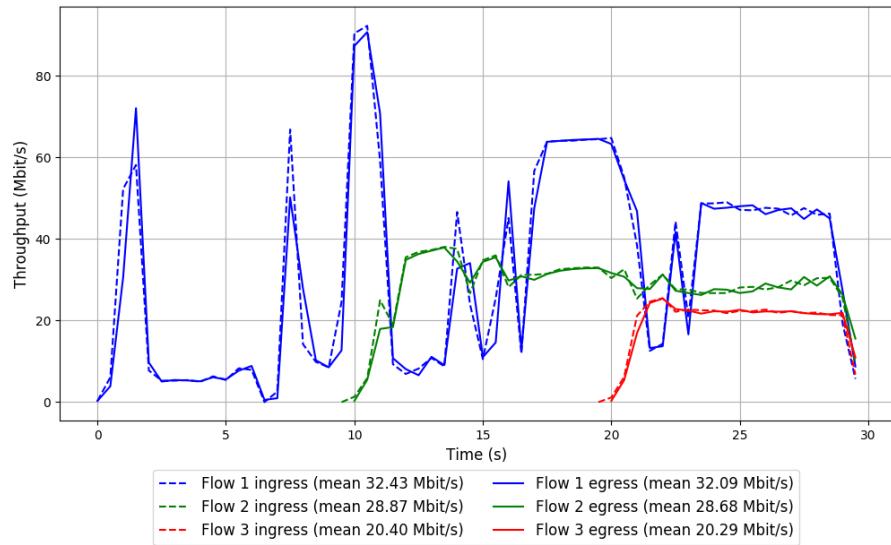


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-01-17 05:31:23
End at: 2018-01-17 05:31:53
Local clock offset: 0.651 ms
Remote clock offset: 0.179 ms

# Below is generated by plot.py at 2018-01-17 07:17:36
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.78 Mbit/s
95th percentile per-packet one-way delay: 116.482 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 32.09 Mbit/s
95th percentile per-packet one-way delay: 117.527 ms
Loss rate: 1.04%
-- Flow 2:
Average throughput: 28.68 Mbit/s
95th percentile per-packet one-way delay: 115.215 ms
Loss rate: 0.67%
-- Flow 3:
Average throughput: 20.29 Mbit/s
95th percentile per-packet one-way delay: 115.799 ms
Loss rate: 0.55%
```

Run 7: Report of QUIC Cubic — Data Link

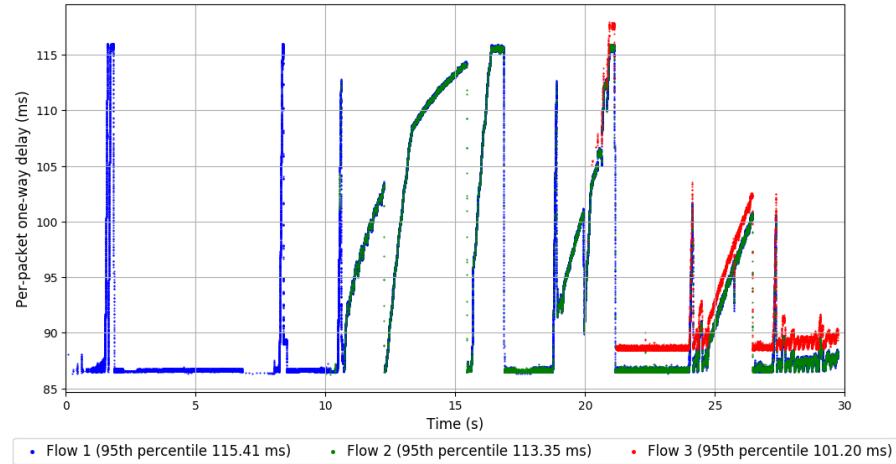
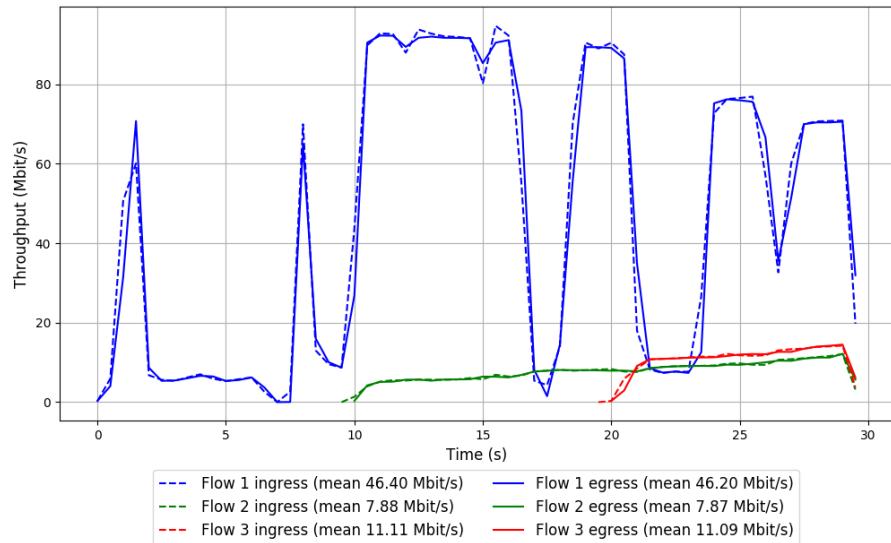


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-01-17 05:54:45
End at: 2018-01-17 05:55:15
Local clock offset: 0.598 ms
Remote clock offset: -0.618 ms

# Below is generated by plot.py at 2018-01-17 07:17:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 115.277 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 115.406 ms
Loss rate: 0.43%
-- Flow 2:
Average throughput: 7.87 Mbit/s
95th percentile per-packet one-way delay: 113.353 ms
Loss rate: 0.06%
-- Flow 3:
Average throughput: 11.09 Mbit/s
95th percentile per-packet one-way delay: 101.201 ms
Loss rate: 0.25%
```

Run 8: Report of QUIC Cubic — Data Link

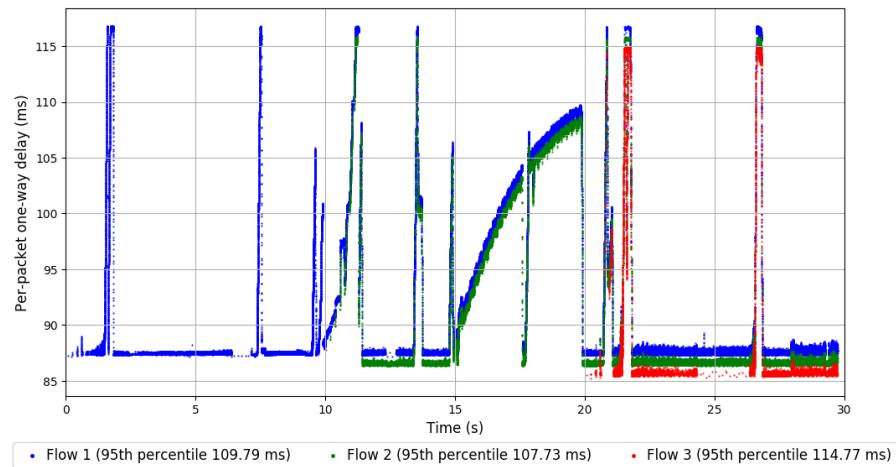
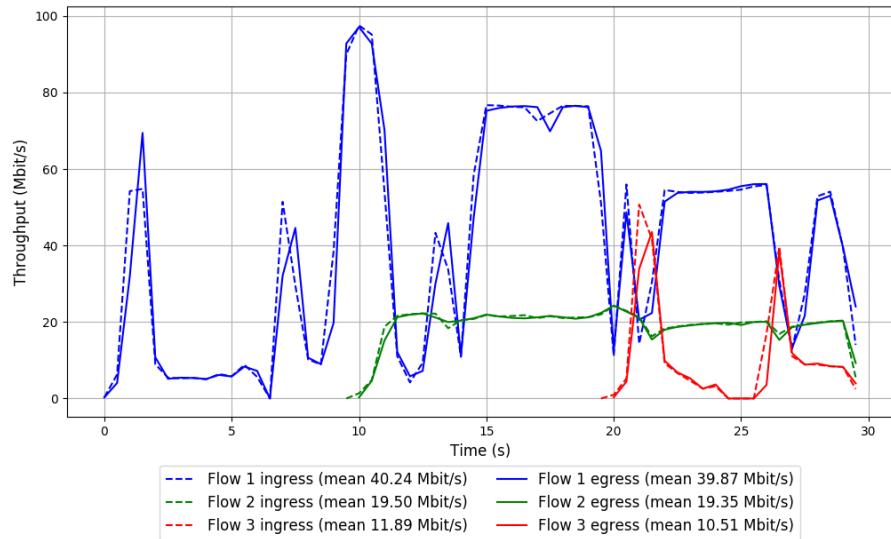


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-01-17 06:18:14
End at: 2018-01-17 06:18:44
Local clock offset: 0.729 ms
Remote clock offset: -0.534 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 56.15 Mbit/s
95th percentile per-packet one-way delay: 111.259 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 39.87 Mbit/s
95th percentile per-packet one-way delay: 109.792 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 19.35 Mbit/s
95th percentile per-packet one-way delay: 107.729 ms
Loss rate: 0.75%
-- Flow 3:
Average throughput: 10.51 Mbit/s
95th percentile per-packet one-way delay: 114.766 ms
Loss rate: 11.63%
```

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

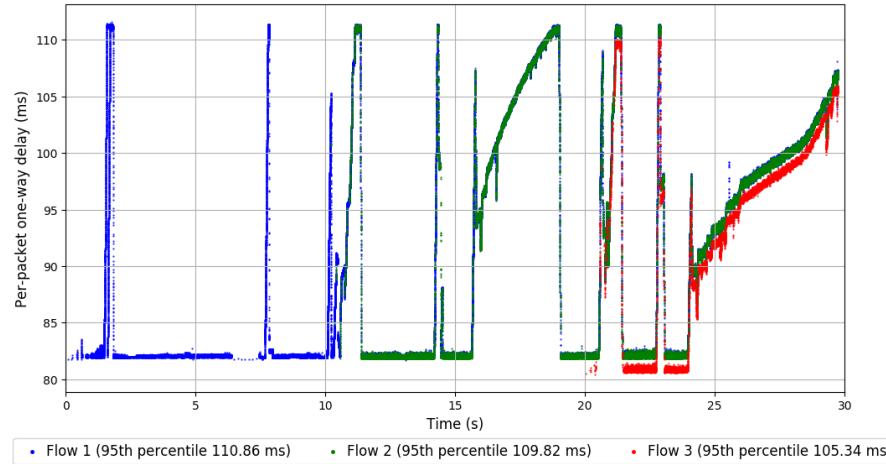
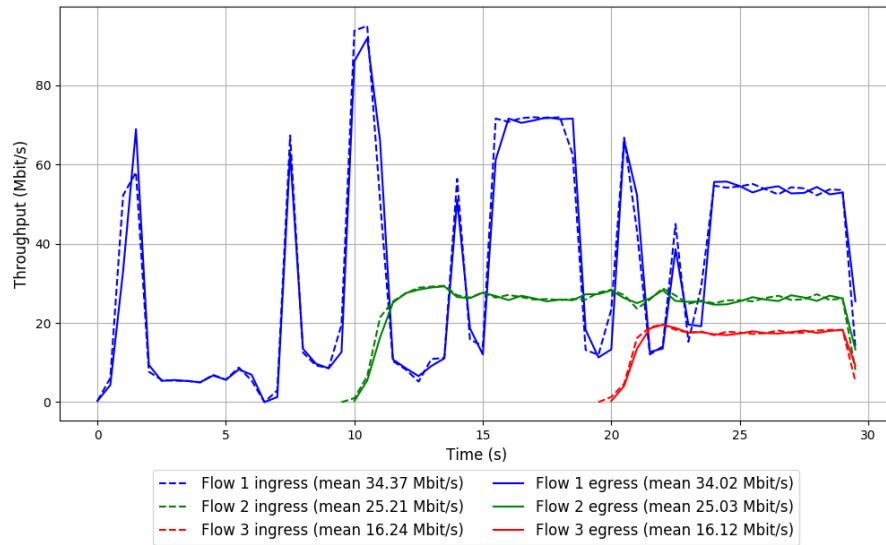


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-01-17 06:41:27
End at: 2018-01-17 06:41:57
Local clock offset: 0.608 ms
Remote clock offset: -5.351 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.94 Mbit/s
95th percentile per-packet one-way delay: 110.632 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 34.02 Mbit/s
95th percentile per-packet one-way delay: 110.862 ms
Loss rate: 0.95%
-- Flow 2:
Average throughput: 25.03 Mbit/s
95th percentile per-packet one-way delay: 109.821 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 105.345 ms
Loss rate: 0.48%
```

Run 10: Report of QUIC Cubic — Data Link

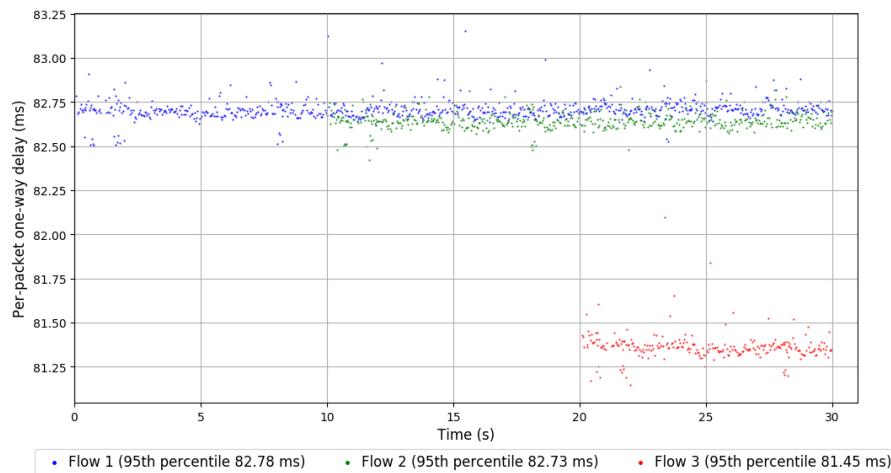
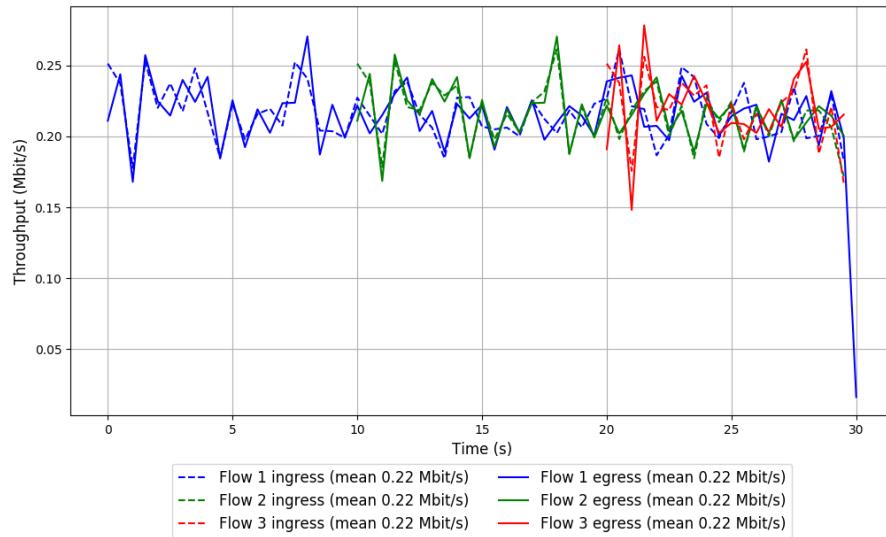


Run 1: Statistics of SCReAM

```
Start at: 2018-01-17 03:03:47
End at: 2018-01-17 03:04:17
Local clock offset: 1.008 ms
Remote clock offset: -5.171 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 82.759 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.779 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.729 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.449 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

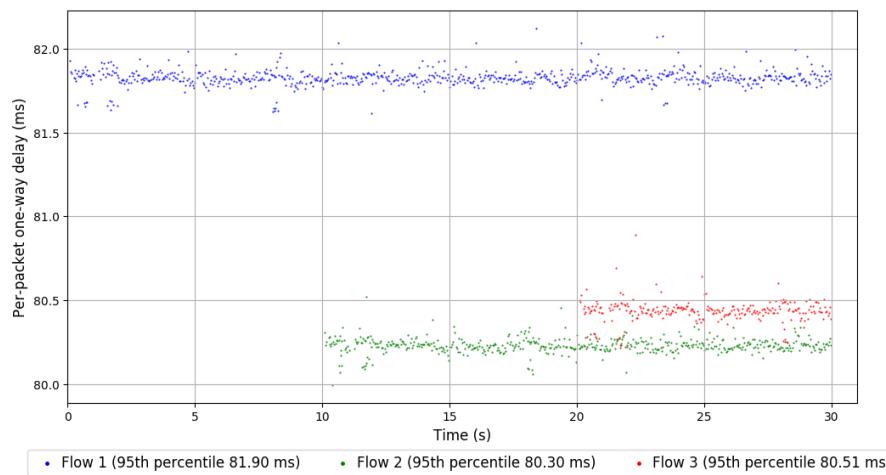
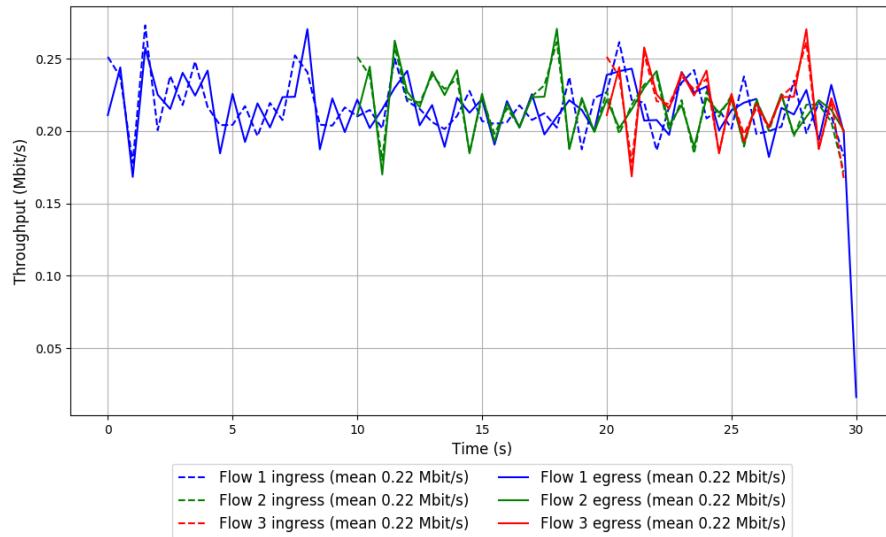


Run 2: Statistics of SCReAM

```
Start at: 2018-01-17 03:26:58
End at: 2018-01-17 03:27:28
Local clock offset: 0.999 ms
Remote clock offset: -6.535 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 81.871 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.903 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.296 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.507 ms
Loss rate: 0.00%
```

## Run 2: Report of SCReAM — Data Link

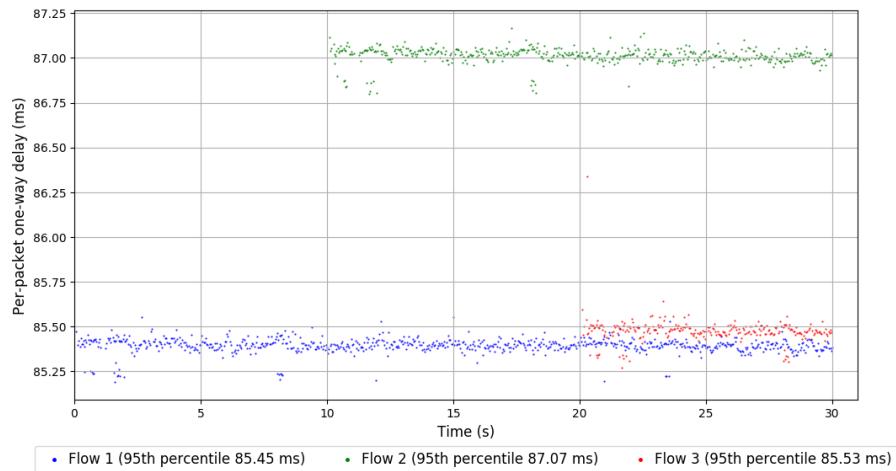
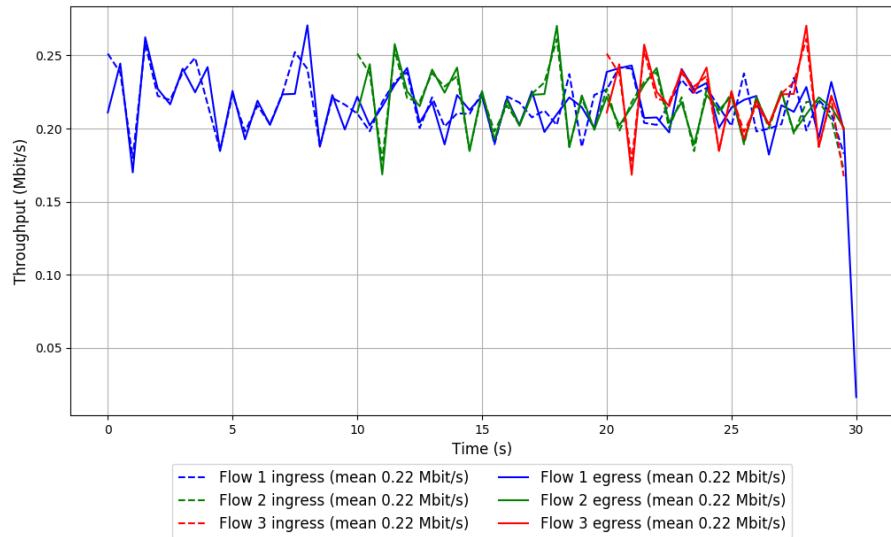


Run 3: Statistics of SCReAM

```
Start at: 2018-01-17 03:50:15
End at: 2018-01-17 03:50:45
Local clock offset: 0.881 ms
Remote clock offset: -1.914 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.449 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.066 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 85.535 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

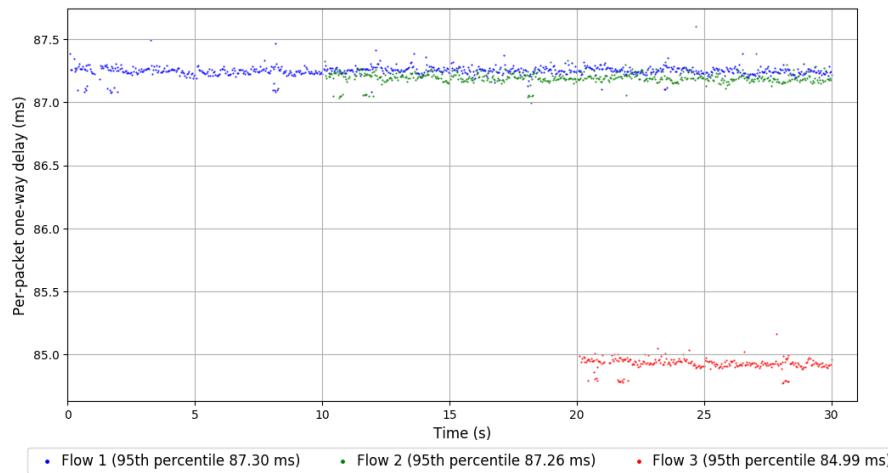
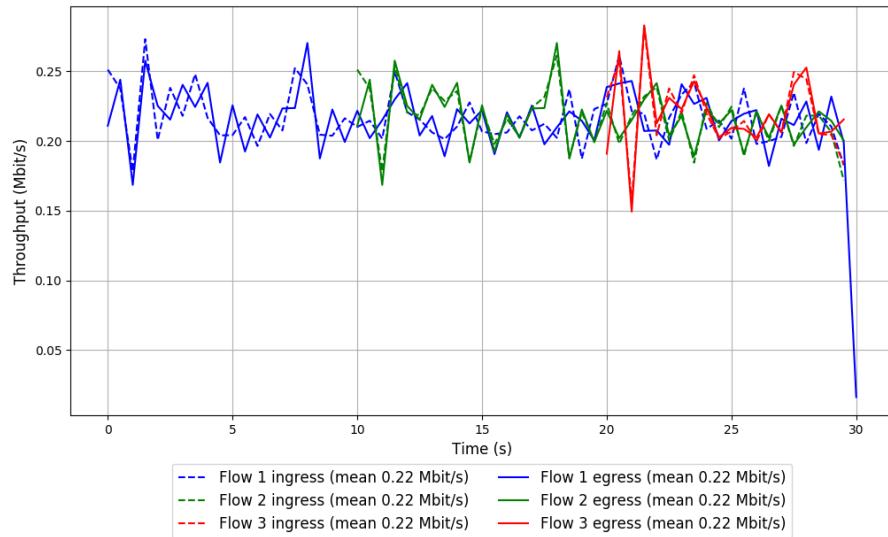


Run 4: Statistics of SCReAM

```
Start at: 2018-01-17 04:13:27
End at: 2018-01-17 04:13:57
Local clock offset: 0.811 ms
Remote clock offset: -1.468 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 87.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.298 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 87.257 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.990 ms
Loss rate: 0.00%
```

## Run 4: Report of SCReAM — Data Link

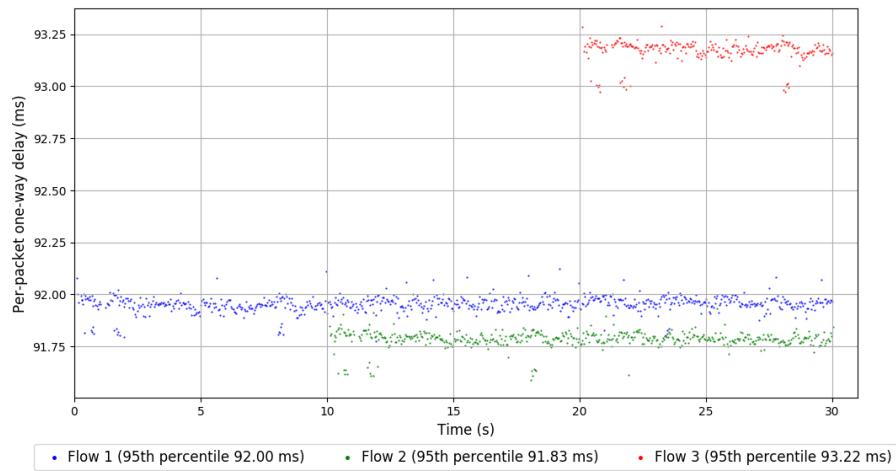
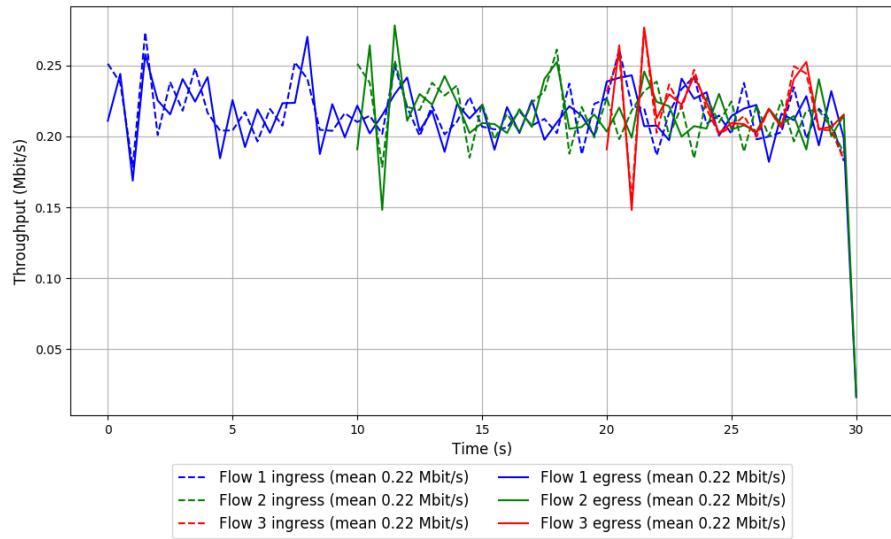


Run 5: Statistics of SCReAM

```
Start at: 2018-01-17 04:36:50
End at: 2018-01-17 04:37:20
Local clock offset: 0.774 ms
Remote clock offset: 4.391 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 93.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.999 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.831 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.219 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

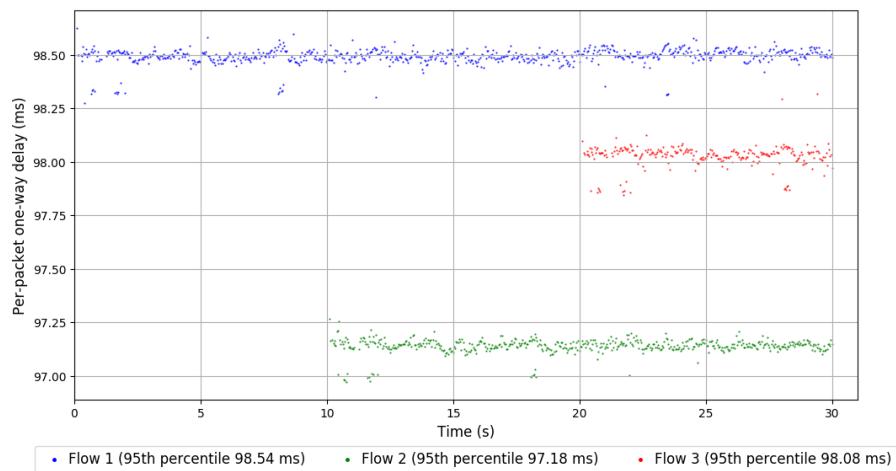
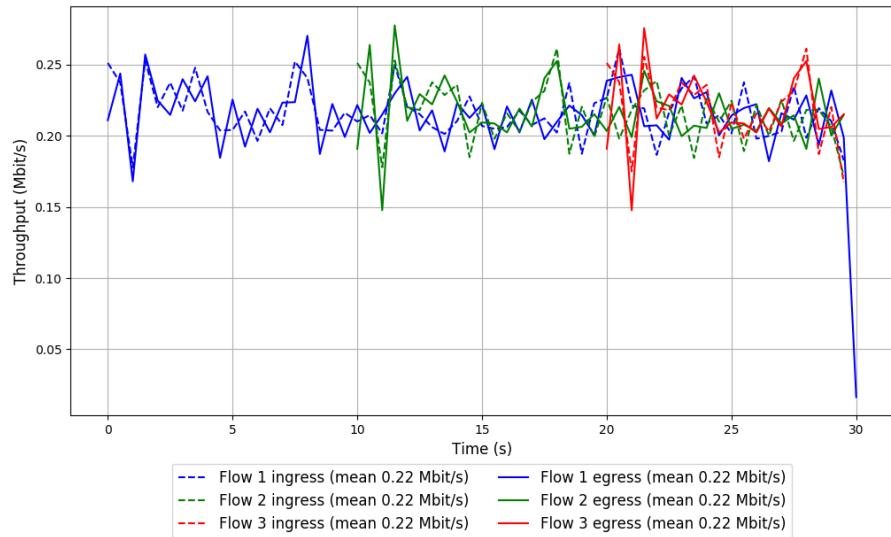


Run 6: Statistics of SCReAM

```
Start at: 2018-01-17 05:00:15
End at: 2018-01-17 05:00:45
Local clock offset: 0.63 ms
Remote clock offset: 9.105 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 98.526 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.537 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 97.181 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 98.076 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

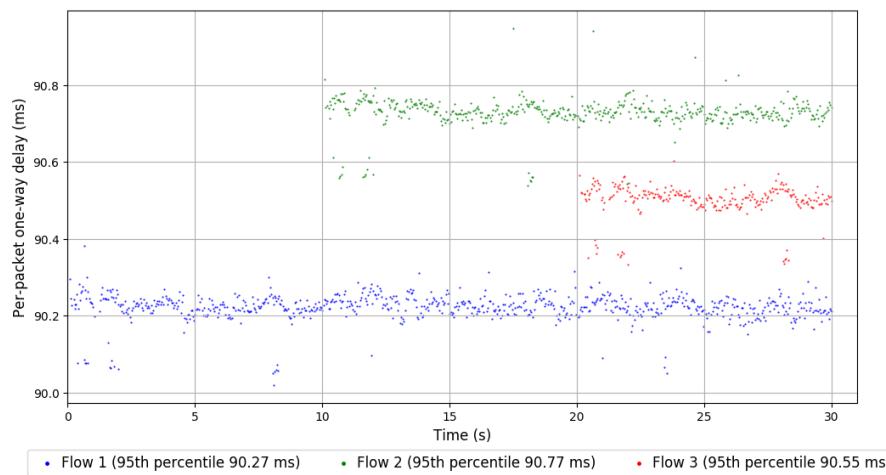
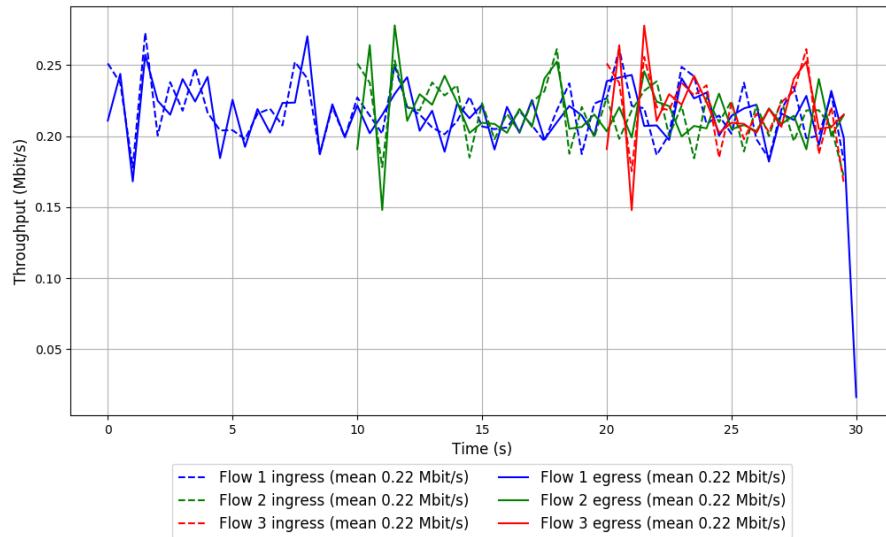


Run 7: Statistics of SCReAM

```
Start at: 2018-01-17 05:23:34
End at: 2018-01-17 05:24:04
Local clock offset: 0.697 ms
Remote clock offset: 1.428 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 90.755 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.266 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.770 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.545 ms
Loss rate: 0.00%
```

## Run 7: Report of SCReAM — Data Link

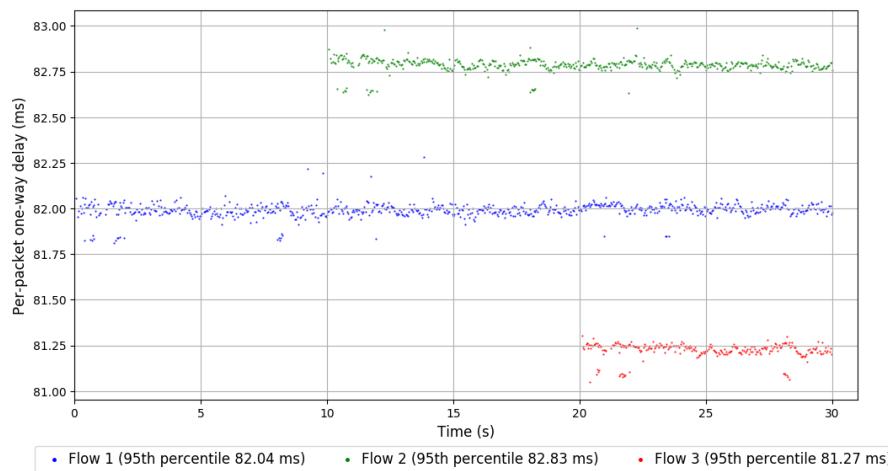
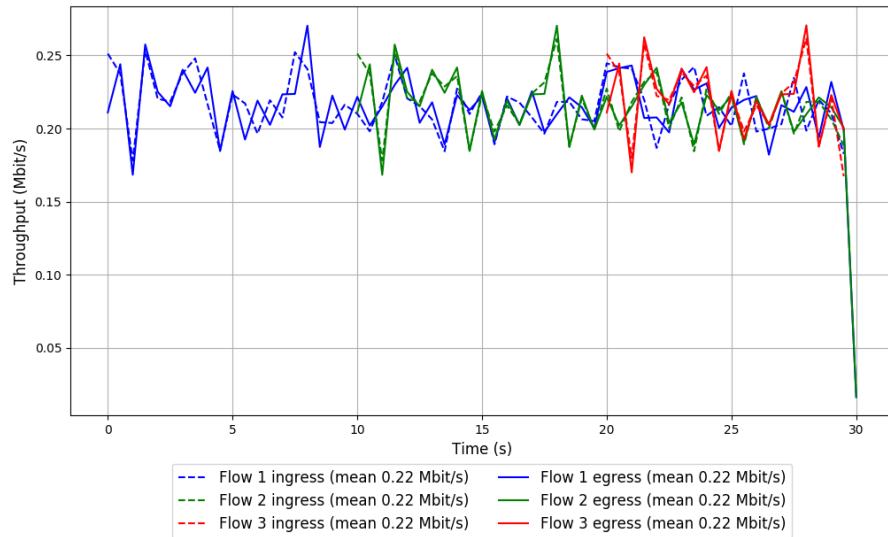


Run 8: Statistics of SCReAM

```
Start at: 2018-01-17 05:46:57
End at: 2018-01-17 05:47:27
Local clock offset: 0.652 ms
Remote clock offset: -5.68 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 82.812 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.039 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.825 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.267 ms
Loss rate: 0.00%
```

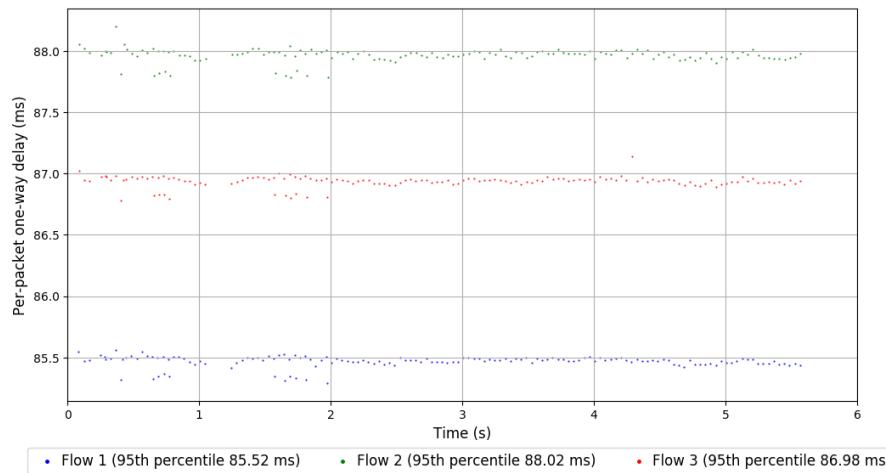
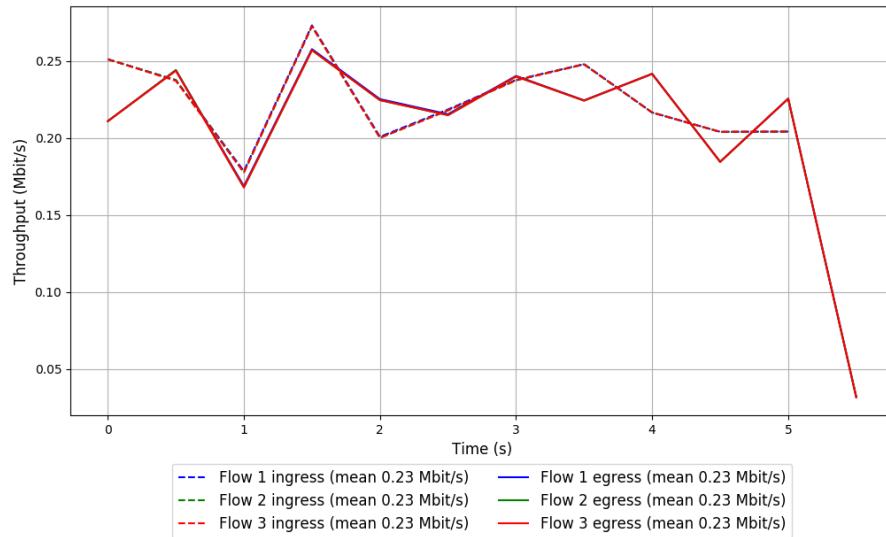
Run 8: Report of SCReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-01-17 06:10:25  
End at: 2018-01-17 06:10:55  
Local clock offset: 0.716 ms  
Remote clock offset: -0.747 ms

Run 9: Report of SCReAM — Data Link

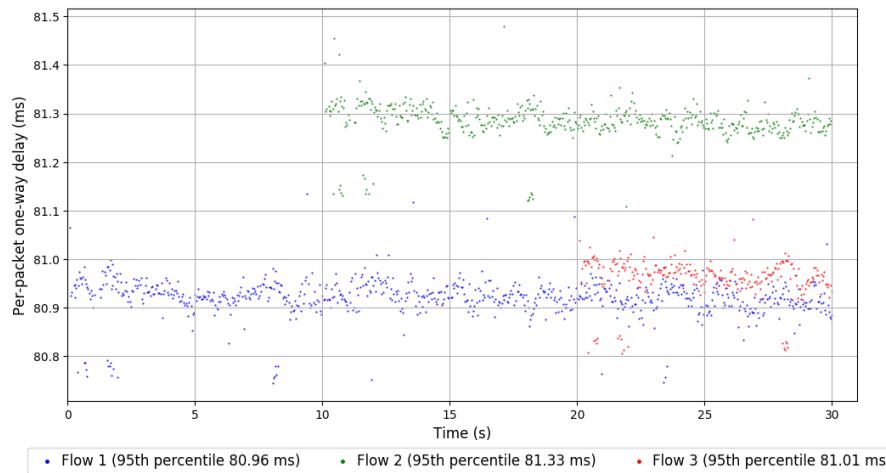
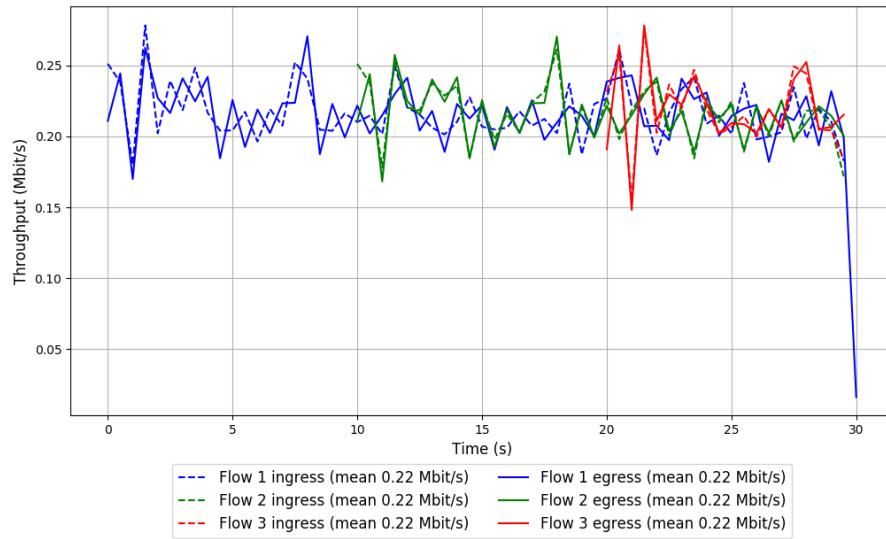


Run 10: Statistics of SCReAM

```
Start at: 2018-01-17 06:33:46
End at: 2018-01-17 06:34:16
Local clock offset: 0.653 ms
Remote clock offset: -4.526 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 81.312 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.964 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.326 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.006 ms
Loss rate: 0.00%
```

## Run 10: Report of SCReAM — Data Link

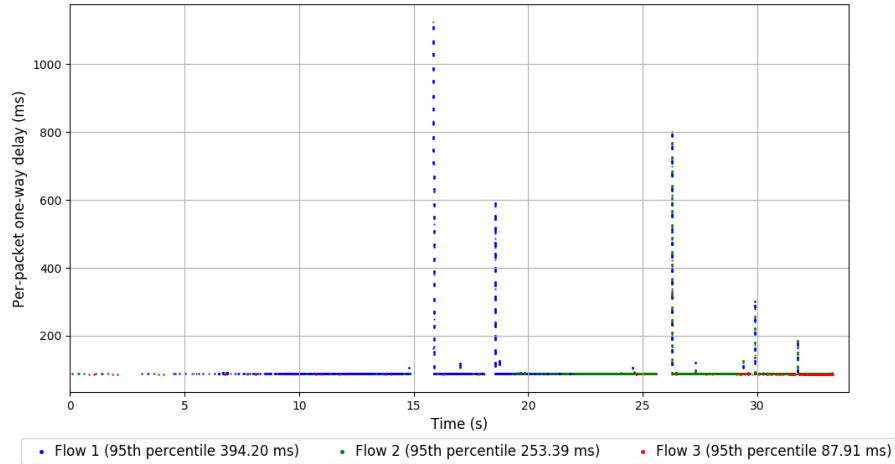
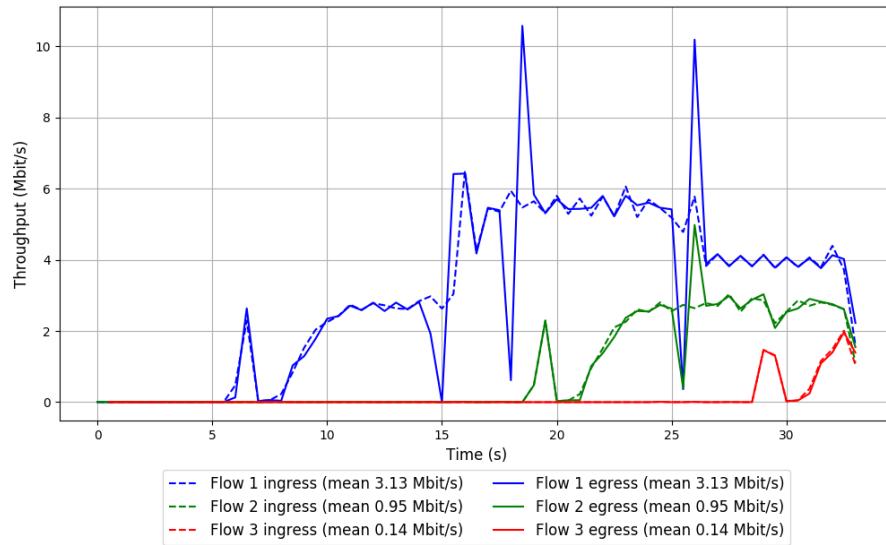


Run 1: Statistics of WebRTC media

```
Start at: 2018-01-17 03:06:15
End at: 2018-01-17 03:06:45
Local clock offset: 1.006 ms
Remote clock offset: -0.371 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 351.976 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 394.200 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 253.390 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 87.914 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

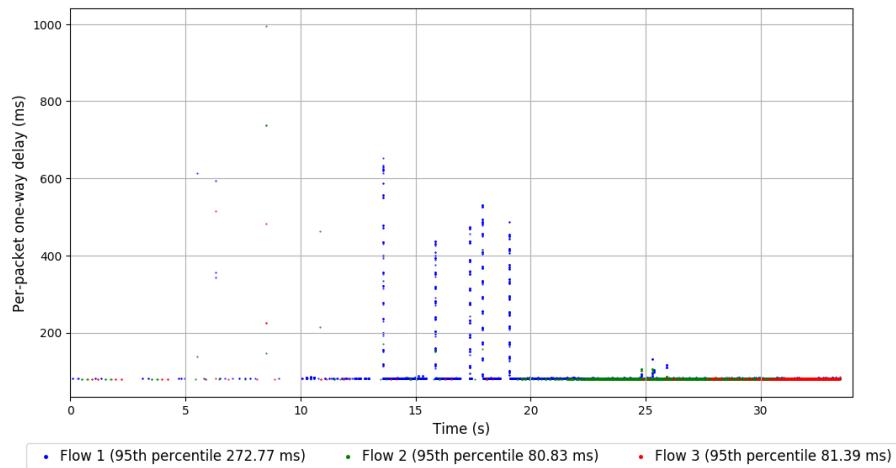
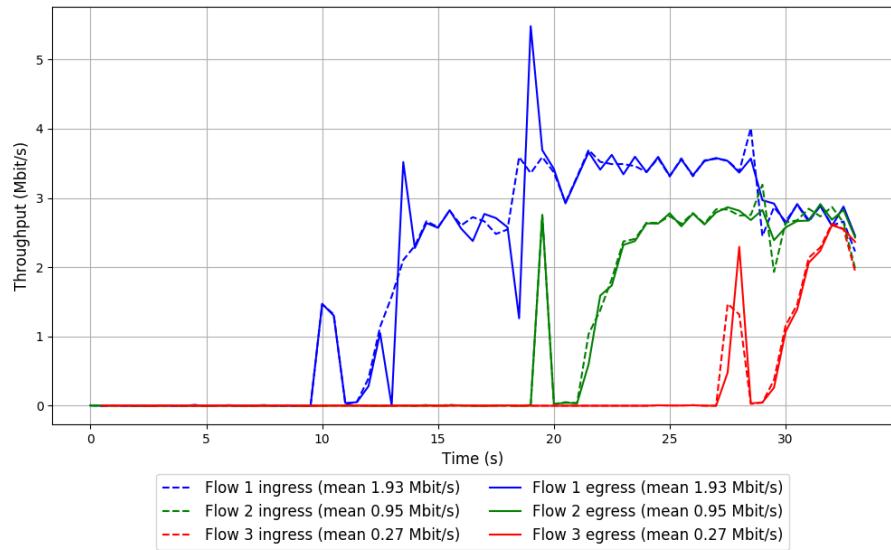


Run 2: Statistics of WebRTC media

```
Start at: 2018-01-17 03:29:28
End at: 2018-01-17 03:29:58
Local clock offset: 0.992 ms
Remote clock offset: -6.704 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 118.743 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 272.773 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.95 Mbit/s
95th percentile per-packet one-way delay: 80.834 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 81.394 ms
Loss rate: 0.00%
```

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

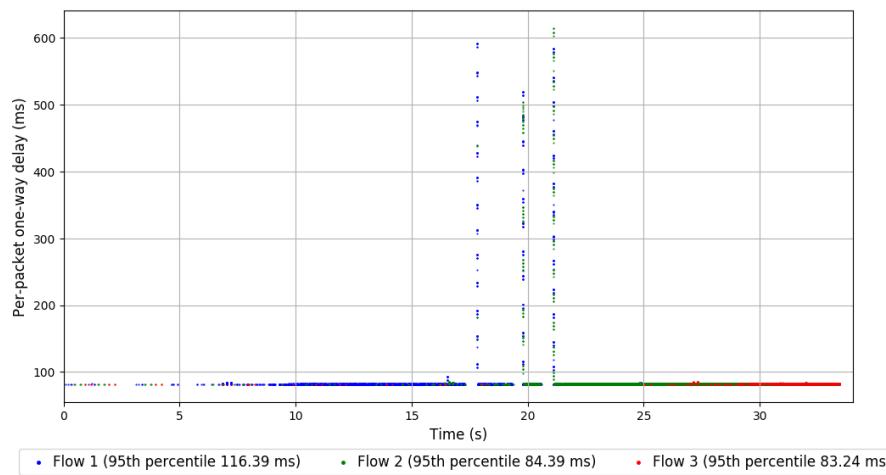
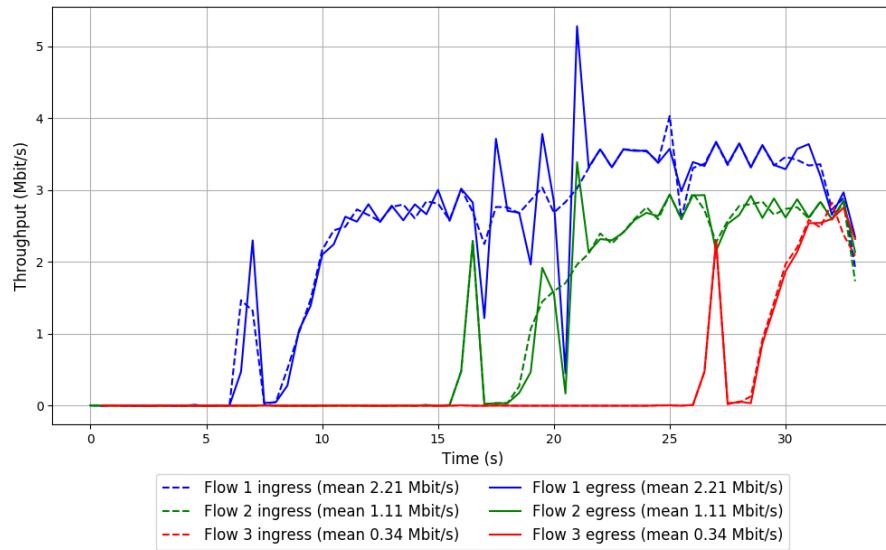


Run 3: Statistics of WebRTC media

```
Start at: 2018-01-17 03:52:46
End at: 2018-01-17 03:53:16
Local clock offset: 0.94 ms
Remote clock offset: -6.781 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 84.357 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.21 Mbit/s
95th percentile per-packet one-way delay: 116.395 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.11 Mbit/s
95th percentile per-packet one-way delay: 84.391 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.34 Mbit/s
95th percentile per-packet one-way delay: 83.237 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

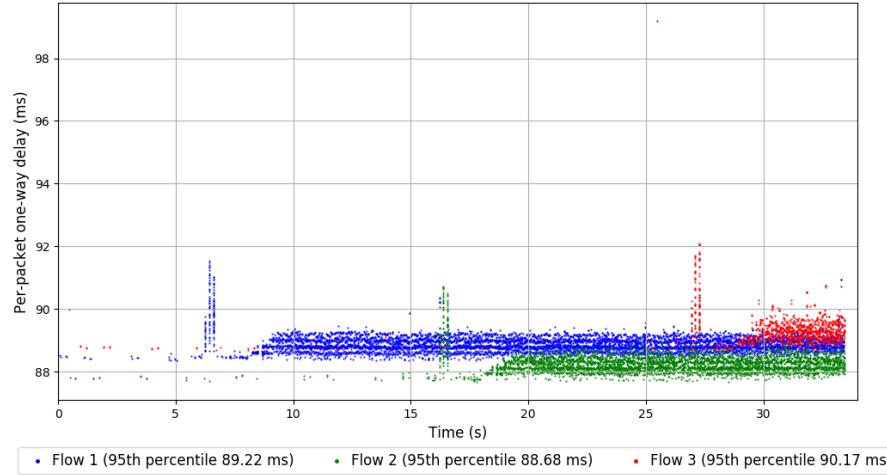
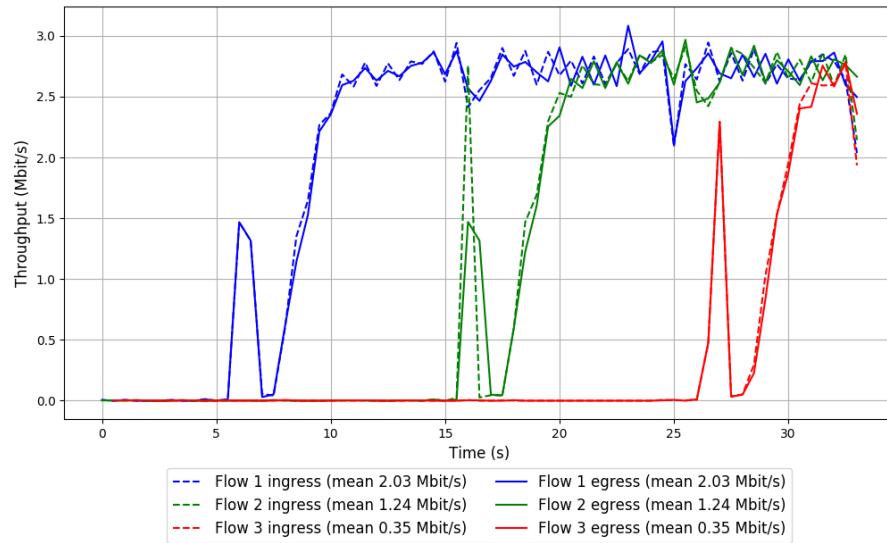


Run 4: Statistics of WebRTC media

```
Start at: 2018-01-17 04:15:57
End at: 2018-01-17 04:16:27
Local clock offset: 0.883 ms
Remote clock offset: 0.262 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.59 Mbit/s
95th percentile per-packet one-way delay: 89.375 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 89.217 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.24 Mbit/s
95th percentile per-packet one-way delay: 88.680 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 90.173 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link

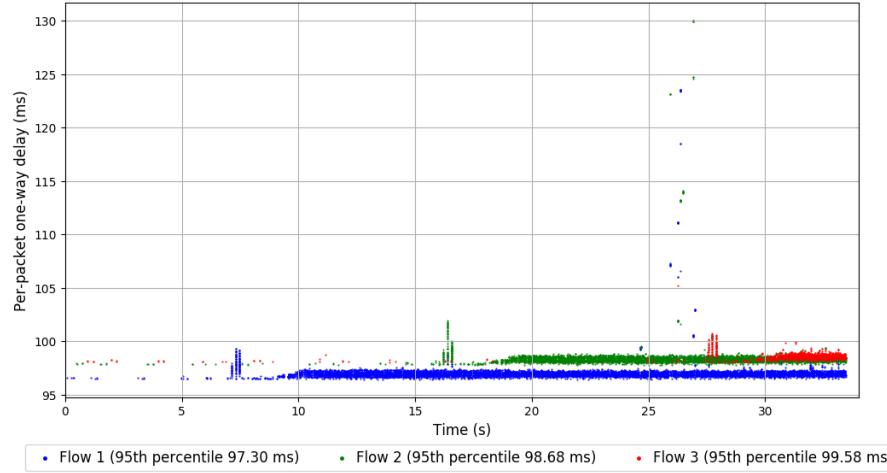
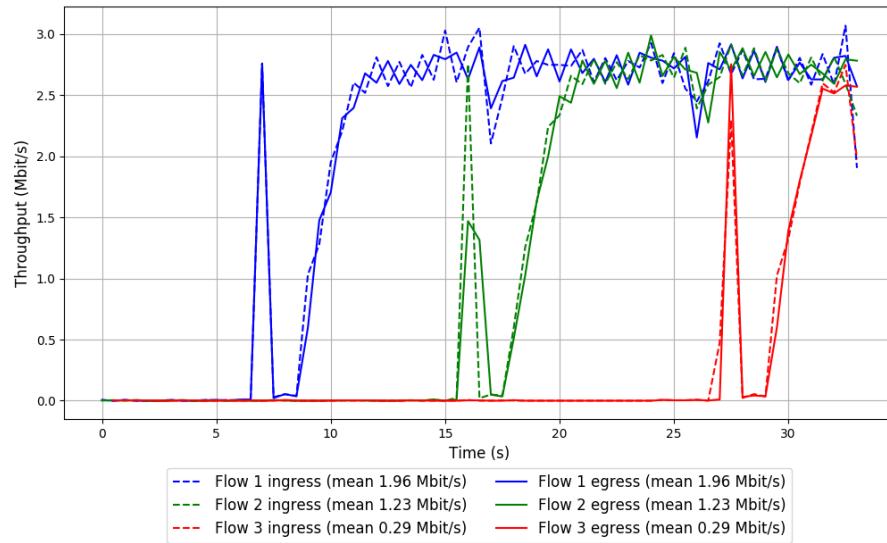


```
Run 5: Statistics of WebRTC media

Start at: 2018-01-17 04:39:20
End at: 2018-01-17 04:39:50
Local clock offset: 0.784 ms
Remote clock offset: 9.16 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.46 Mbit/s
95th percentile per-packet one-way delay: 98.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 97.303 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 98.677 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 99.577 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

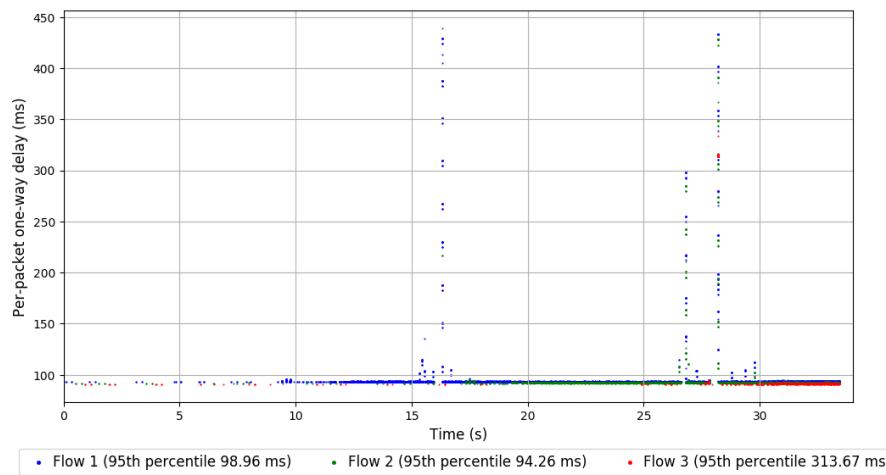
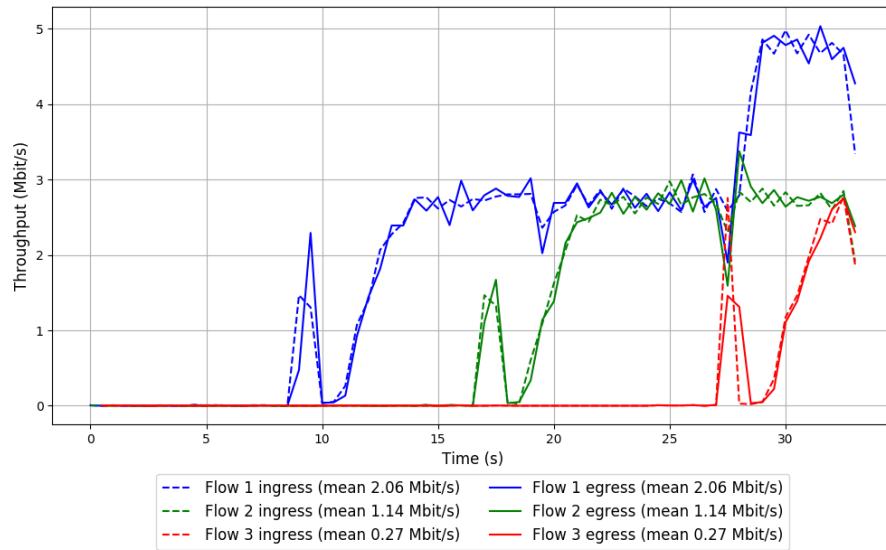


Run 6: Statistics of WebRTC media

```
Start at: 2018-01-17 05:02:45
End at: 2018-01-17 05:03:15
Local clock offset: 0.71 ms
Remote clock offset: 3.49 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.45 Mbit/s
95th percentile per-packet one-way delay: 97.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 98.961 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.14 Mbit/s
95th percentile per-packet one-way delay: 94.258 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 313.668 ms
Loss rate: 0.00%
```

Run 6: Report of WebRTC media — Data Link

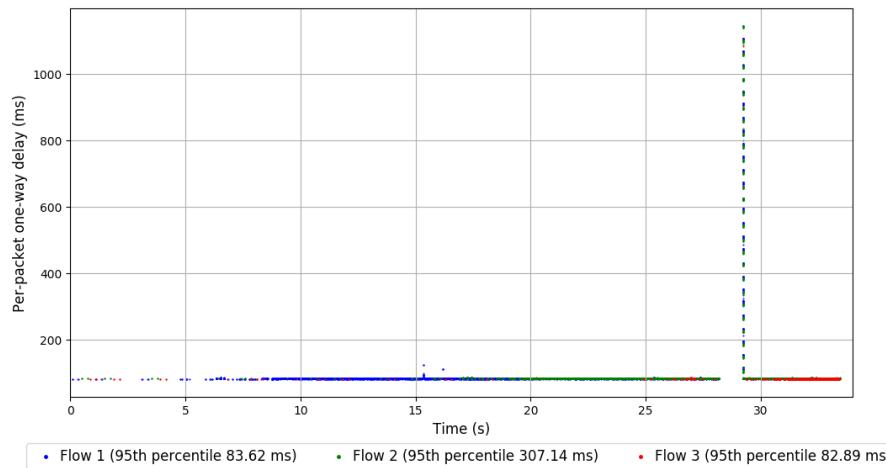
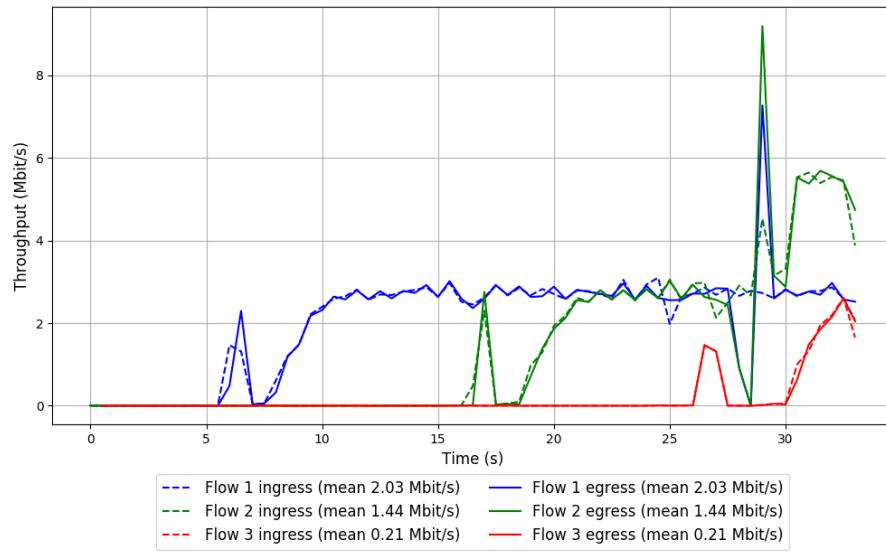


Run 7: Statistics of WebRTC media

```
Start at: 2018-01-17 05:26:05
End at: 2018-01-17 05:26:35
Local clock offset: 0.682 ms
Remote clock offset: -5.976 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.65 Mbit/s
95th percentile per-packet one-way delay: 85.267 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 83.618 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.44 Mbit/s
95th percentile per-packet one-way delay: 307.140 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 82.893 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

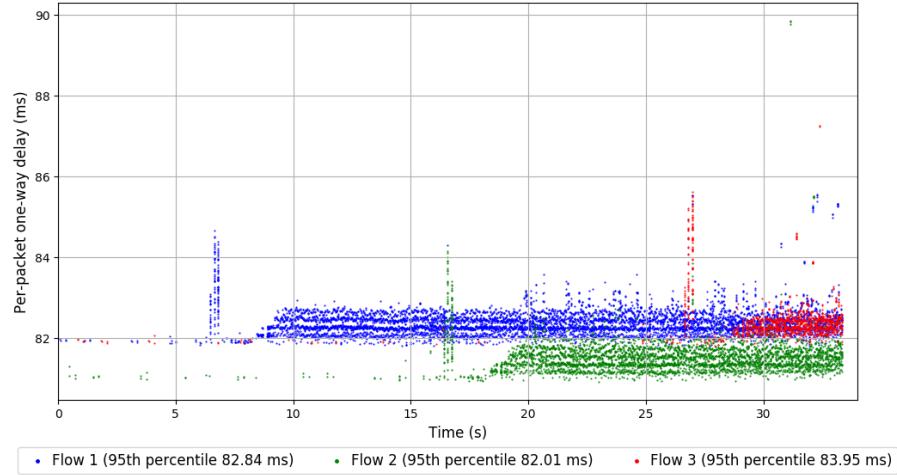
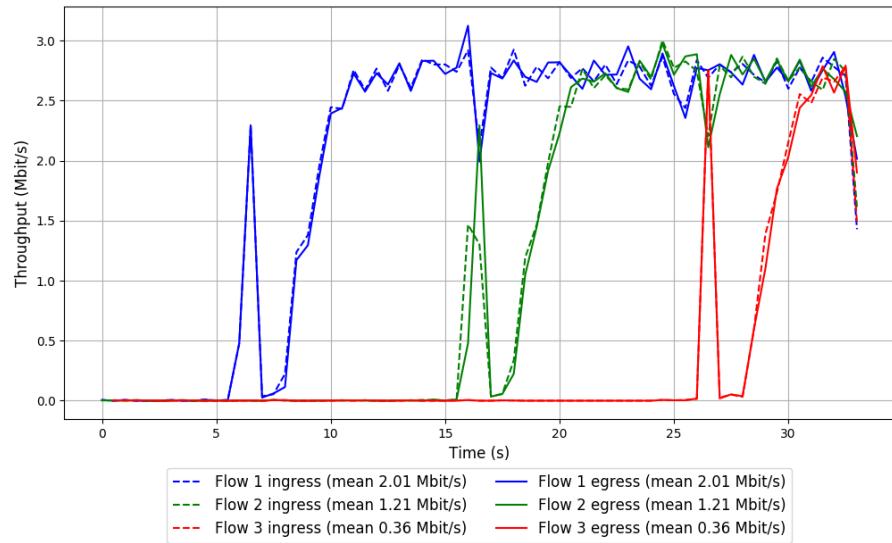


Run 8: Statistics of WebRTC media

```
Start at: 2018-01-17 05:49:28
End at: 2018-01-17 05:49:58
Local clock offset: 0.673 ms
Remote clock offset: -6.014 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 82.779 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 82.840 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 82.010 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 83.955 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

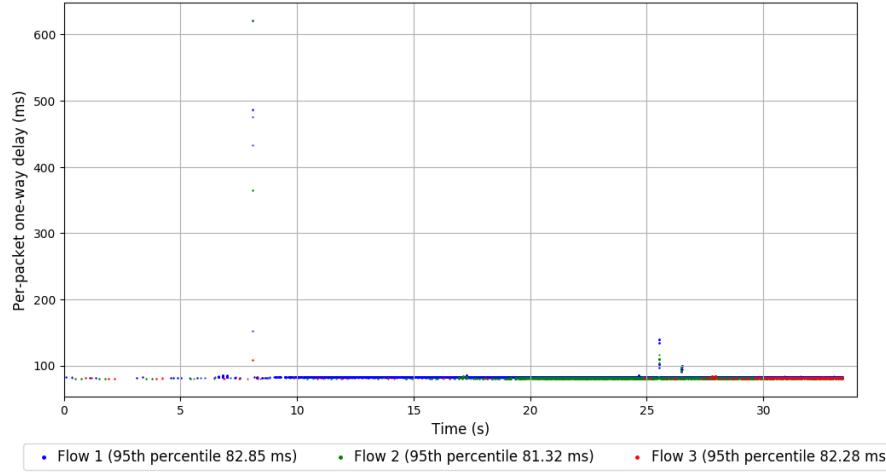
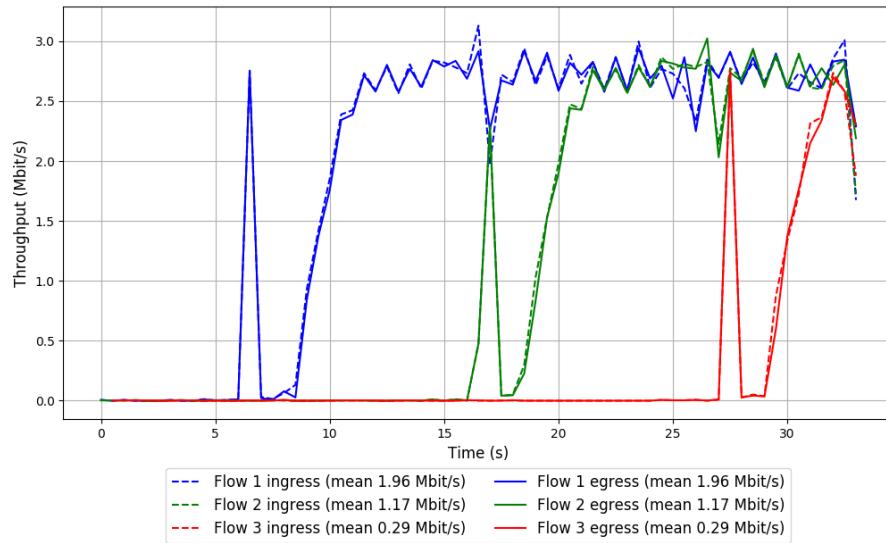


Run 9: Statistics of WebRTC media

```
Start at: 2018-01-17 06:12:56
End at: 2018-01-17 06:13:26
Local clock offset: 0.723 ms
Remote clock offset: -5.861 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 82.762 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 82.854 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 81.322 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 82.276 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link

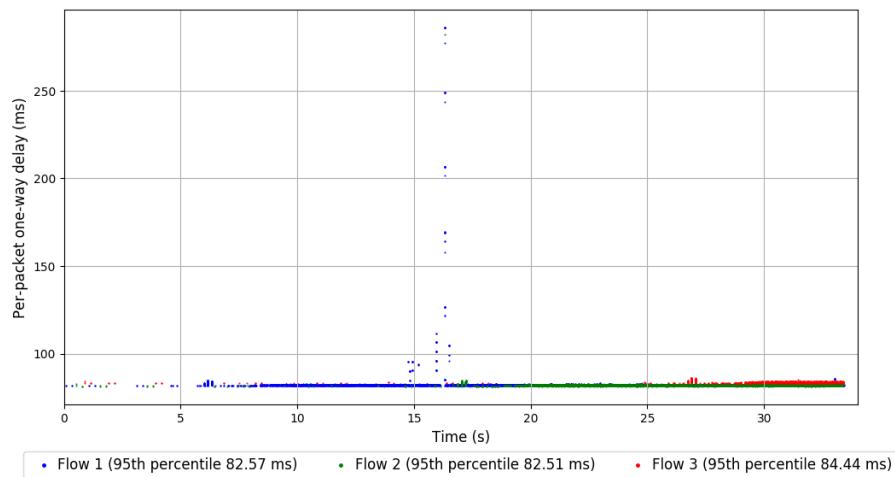
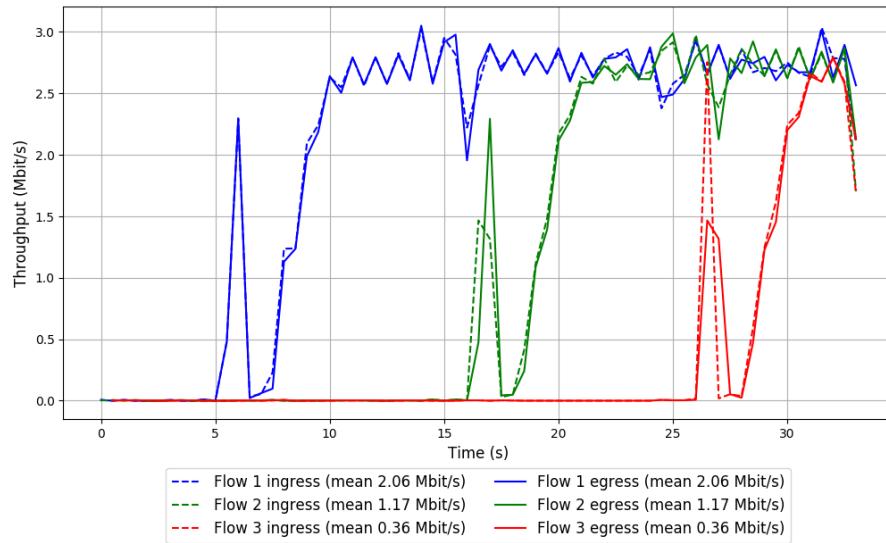


Run 10: Statistics of WebRTC media

```
Start at: 2018-01-17 06:36:16
End at: 2018-01-17 06:36:46
Local clock offset: 0.58 ms
Remote clock offset: -4.398 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 3.57 Mbit/s
95th percentile per-packet one-way delay: 83.808 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.06 Mbit/s
95th percentile per-packet one-way delay: 82.569 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.17 Mbit/s
95th percentile per-packet one-way delay: 82.512 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.36 Mbit/s
95th percentile per-packet one-way delay: 84.435 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

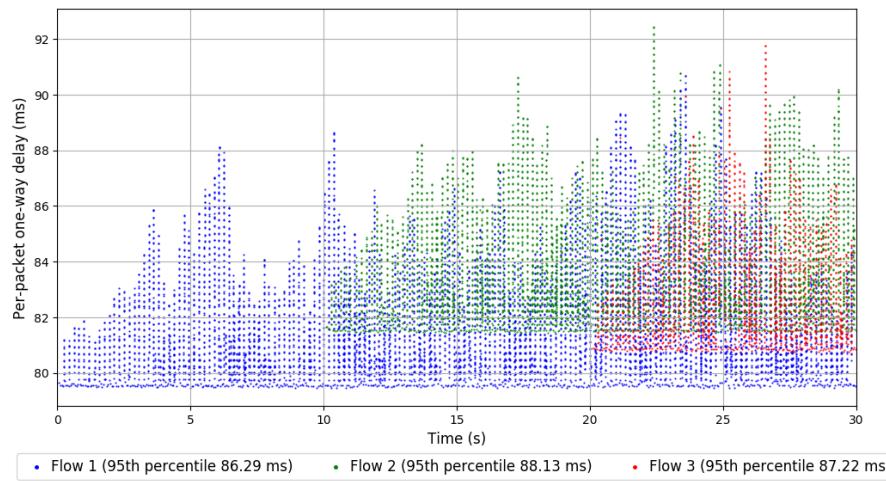
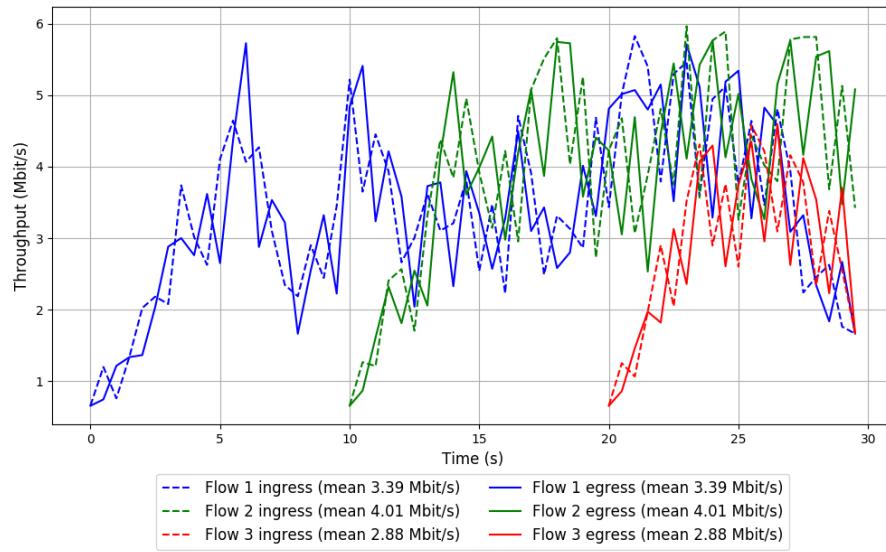


Run 1: Statistics of Sprout

```
Start at: 2018-01-17 02:58:34
End at: 2018-01-17 02:59:04
Local clock offset: 1.035 ms
Remote clock offset: -5.86 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.00 Mbit/s
95th percentile per-packet one-way delay: 87.424 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.39 Mbit/s
95th percentile per-packet one-way delay: 86.294 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 88.127 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.88 Mbit/s
95th percentile per-packet one-way delay: 87.217 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

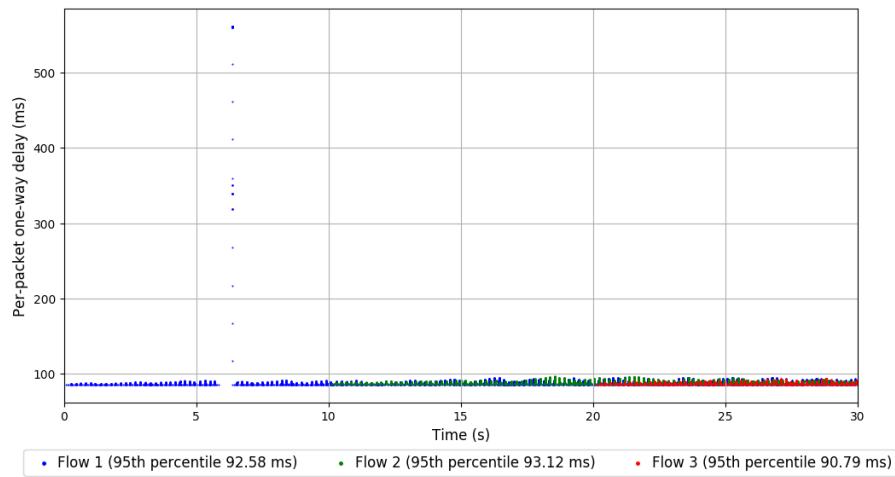
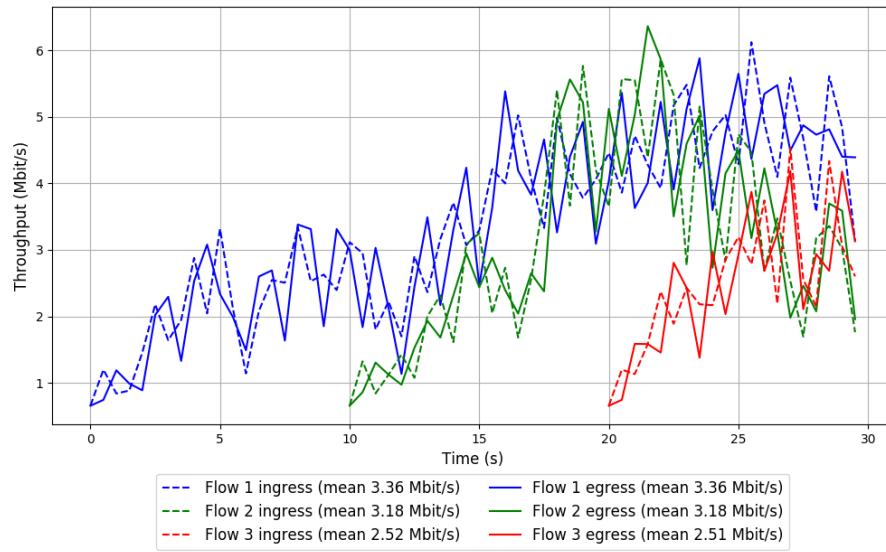


Run 2: Statistics of Sprout

```
Start at: 2018-01-17 03:21:47
End at: 2018-01-17 03:22:17
Local clock offset: 1.065 ms
Remote clock offset: -0.8 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.31 Mbit/s
95th percentile per-packet one-way delay: 92.644 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 92.578 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 93.123 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 90.792 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

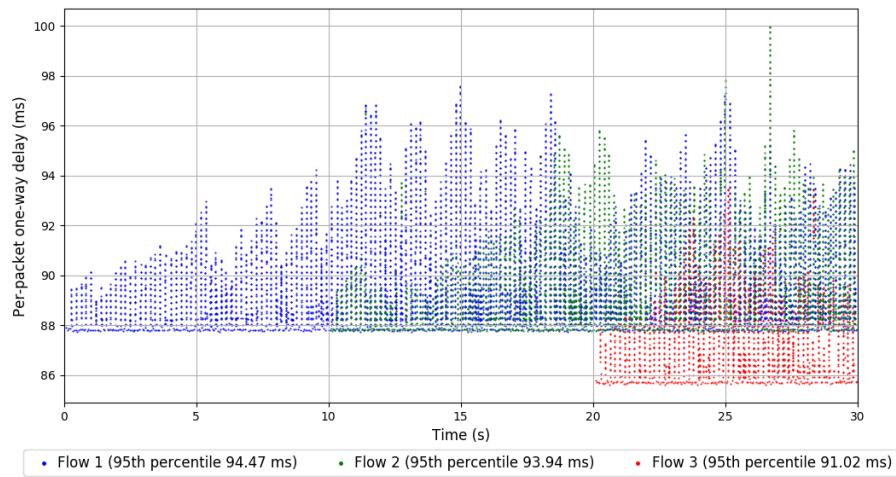
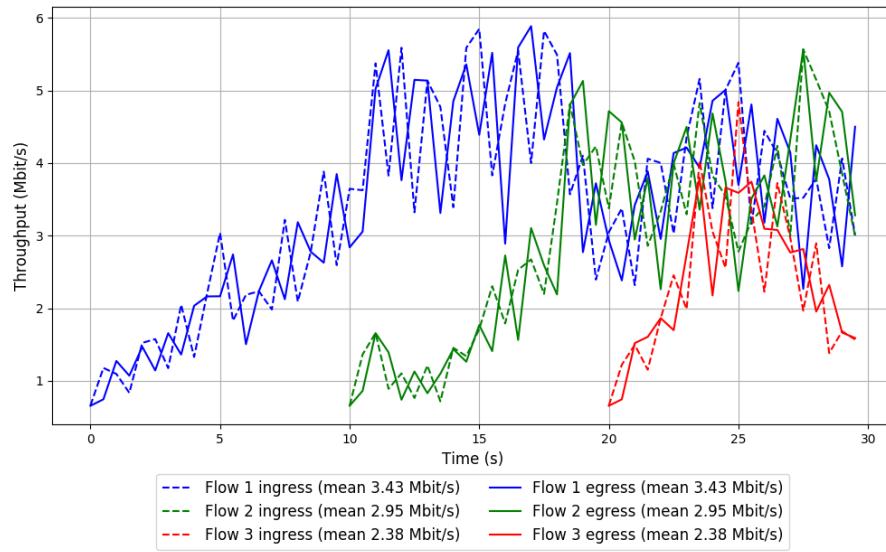


Run 3: Statistics of Sprout

```
Start at: 2018-01-17 03:45:03
End at: 2018-01-17 03:45:33
Local clock offset: 0.953 ms
Remote clock offset: -1.013 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.17 Mbit/s
95th percentile per-packet one-way delay: 94.149 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 94.475 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.95 Mbit/s
95th percentile per-packet one-way delay: 93.940 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 91.017 ms
Loss rate: 0.00%
```

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

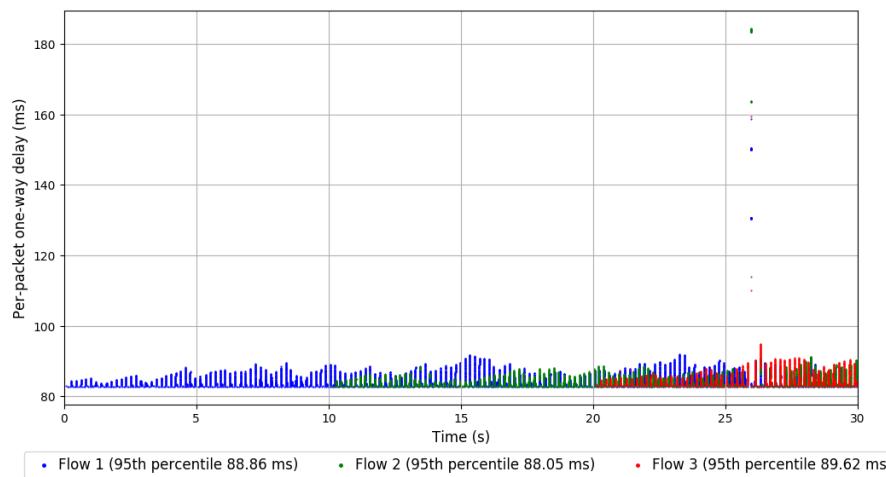
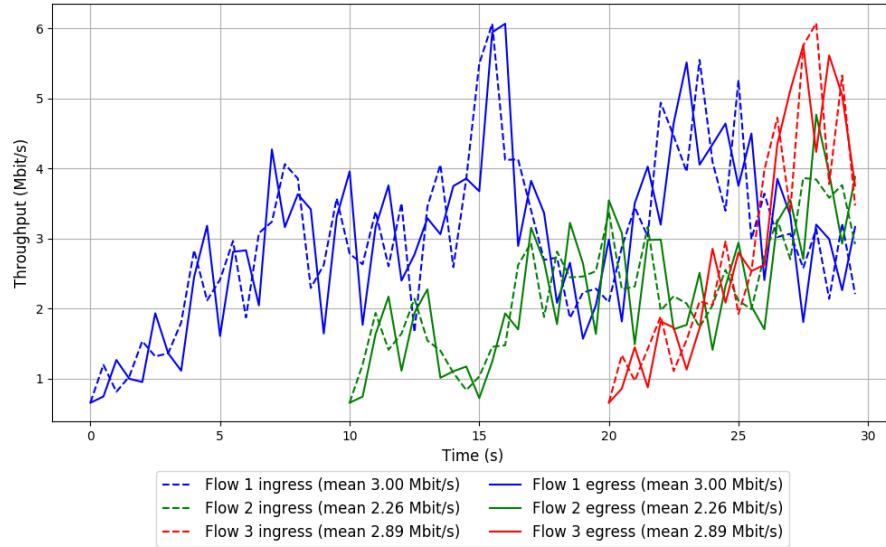


Run 4: Statistics of Sprout

```
Start at: 2018-01-17 04:08:15
End at: 2018-01-17 04:08:45
Local clock offset: 0.833 ms
Remote clock offset: -5.52 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 88.880 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 88.859 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 88.048 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.89 Mbit/s
95th percentile per-packet one-way delay: 89.624 ms
Loss rate: 0.00%
```

## Run 4: Report of Sprout — Data Link

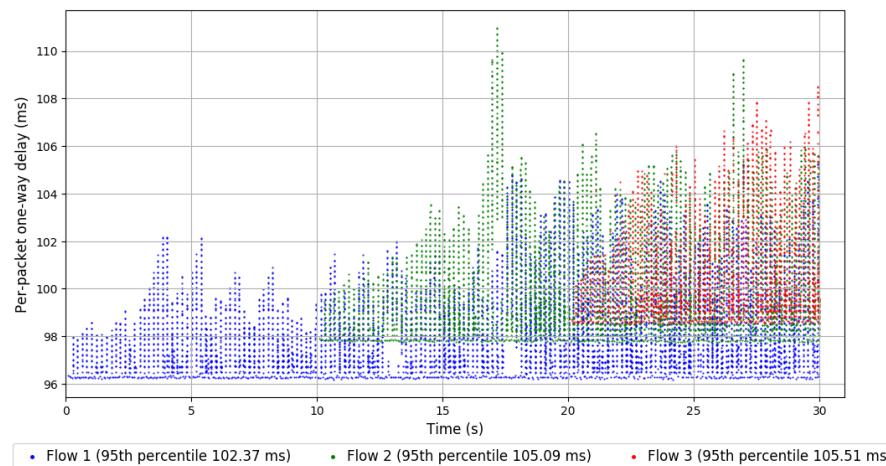
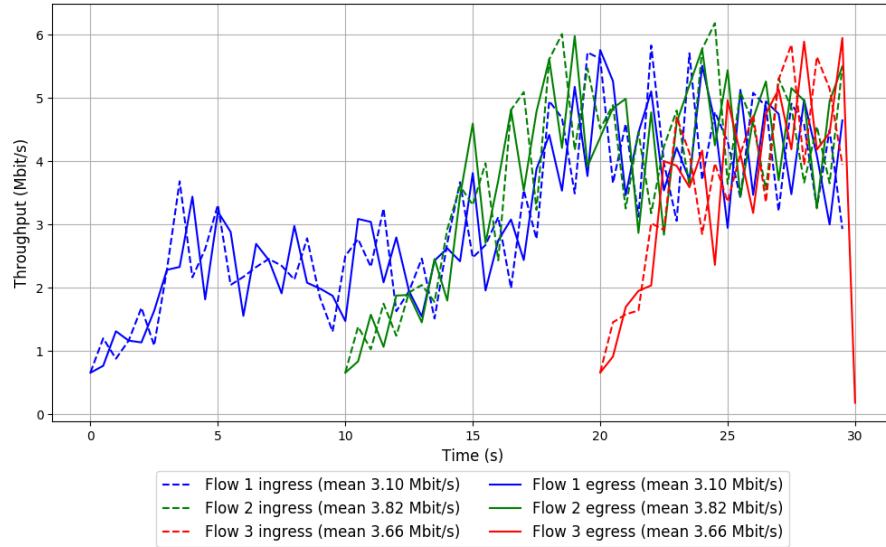


Run 5: Statistics of Sprout

```
Start at: 2018-01-17 04:31:39
End at: 2018-01-17 04:32:09
Local clock offset: 0.822 ms
Remote clock offset: 9.307 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.84 Mbit/s
95th percentile per-packet one-way delay: 104.448 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 102.369 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 105.094 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.66 Mbit/s
95th percentile per-packet one-way delay: 105.511 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

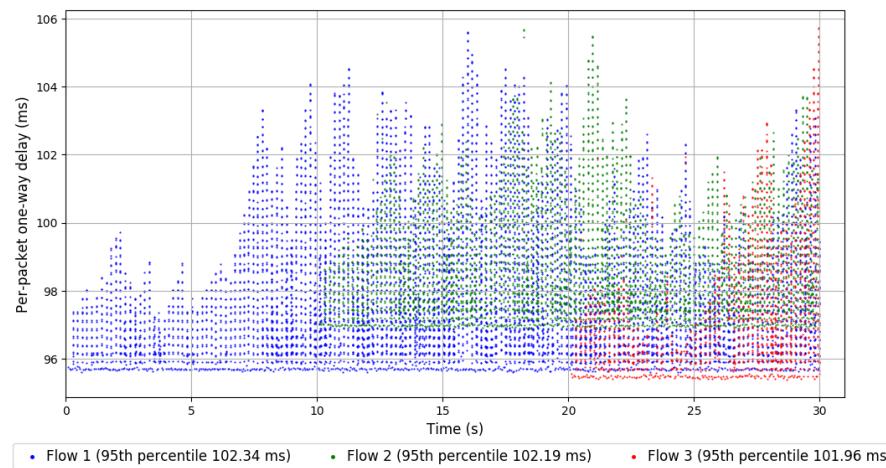
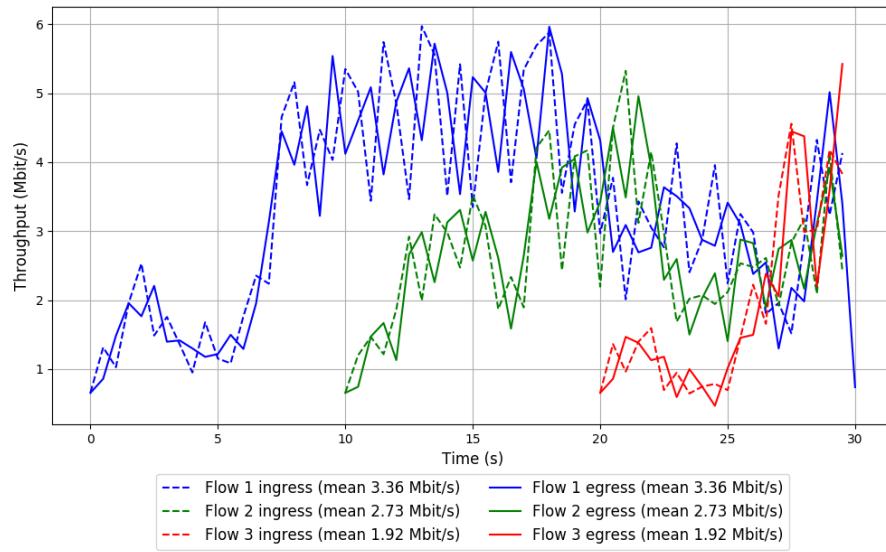


Run 6: Statistics of Sprout

```
Start at: 2018-01-17 04:55:03
End at: 2018-01-17 04:55:33
Local clock offset: 0.729 ms
Remote clock offset: 8.321 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 5.81 Mbit/s
95th percentile per-packet one-way delay: 102.278 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.36 Mbit/s
95th percentile per-packet one-way delay: 102.338 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.73 Mbit/s
95th percentile per-packet one-way delay: 102.188 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 101.958 ms
Loss rate: 0.00%
```

Run 6: Report of Sprout — Data Link

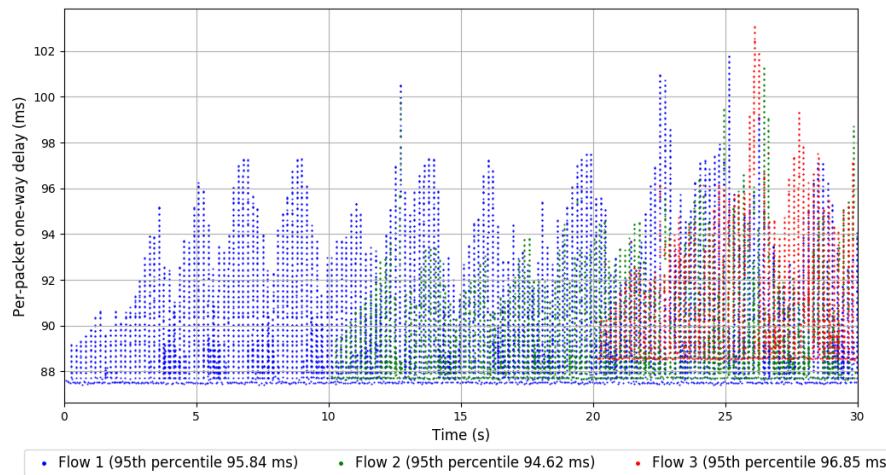
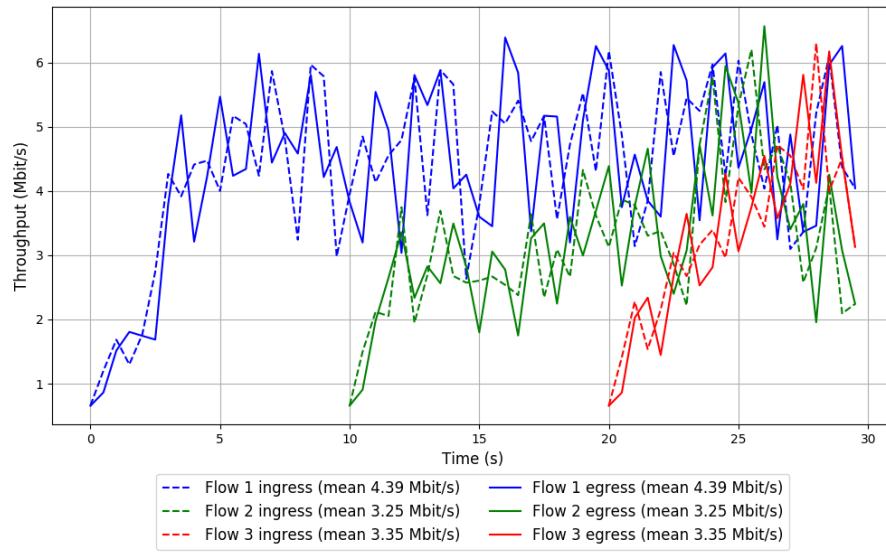


Run 7: Statistics of Sprout

```
Start at: 2018-01-17 05:18:21
End at: 2018-01-17 05:18:51
Local clock offset: 0.695 ms
Remote clock offset: 0.712 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.65 Mbit/s
95th percentile per-packet one-way delay: 95.792 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.39 Mbit/s
95th percentile per-packet one-way delay: 95.838 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.25 Mbit/s
95th percentile per-packet one-way delay: 94.623 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 3.35 Mbit/s
95th percentile per-packet one-way delay: 96.849 ms
Loss rate: 0.00%
```

Run 7: Report of Sprout — Data Link

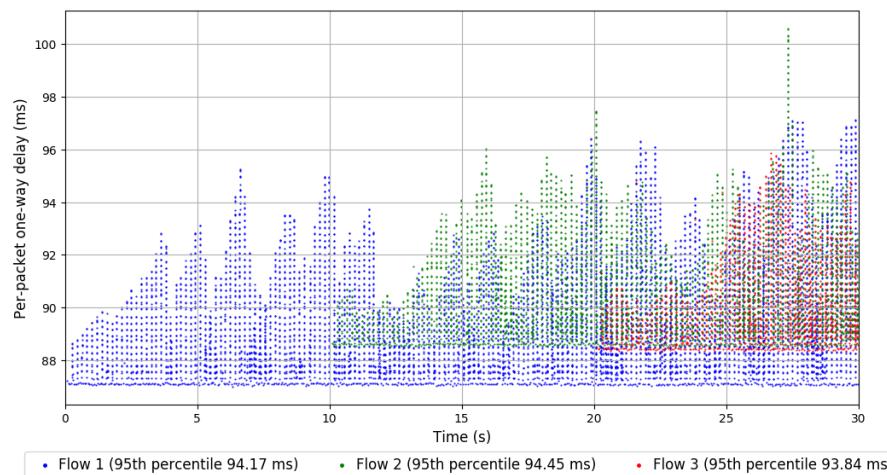
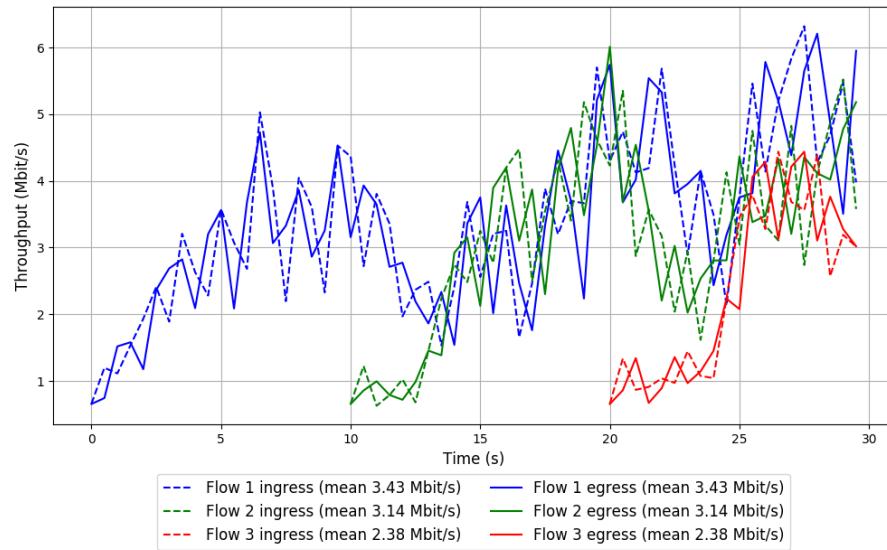


Run 8: Statistics of Sprout

```
Start at: 2018-01-17 05:41:44
End at: 2018-01-17 05:42:14
Local clock offset: 0.605 ms
Remote clock offset: -0.011 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 94.231 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 94.172 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 3.14 Mbit/s
95th percentile per-packet one-way delay: 94.451 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 93.836 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

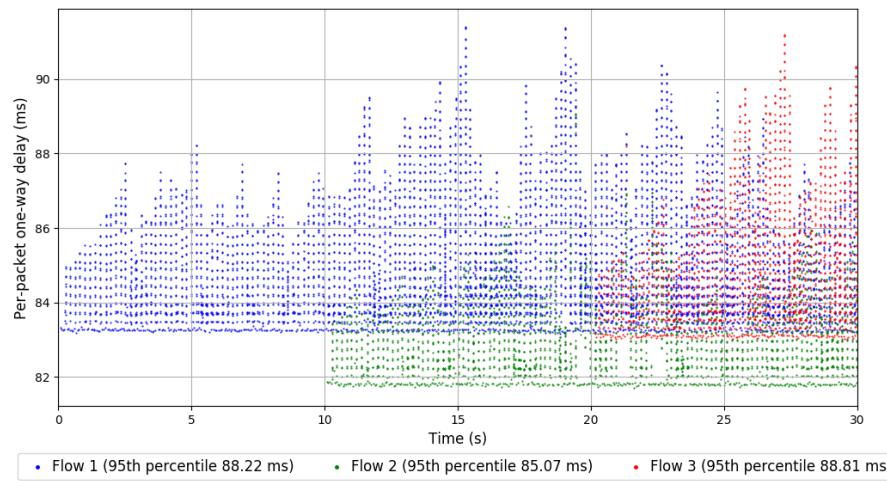
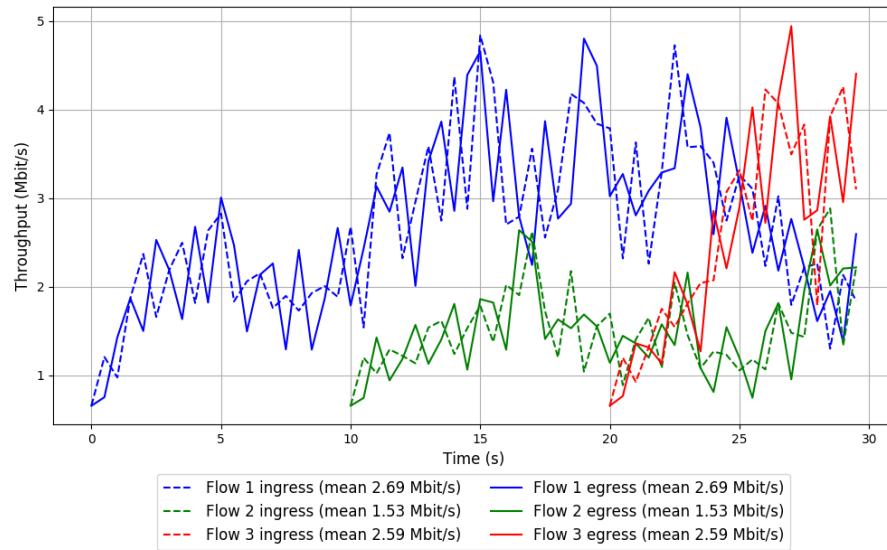


Run 9: Statistics of Sprout

```
Start at: 2018-01-17 06:05:04
End at: 2018-01-17 06:05:34
Local clock offset: 0.702 ms
Remote clock offset: -4.923 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.55 Mbit/s
95th percentile per-packet one-way delay: 88.137 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 88.224 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 85.067 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.59 Mbit/s
95th percentile per-packet one-way delay: 88.814 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

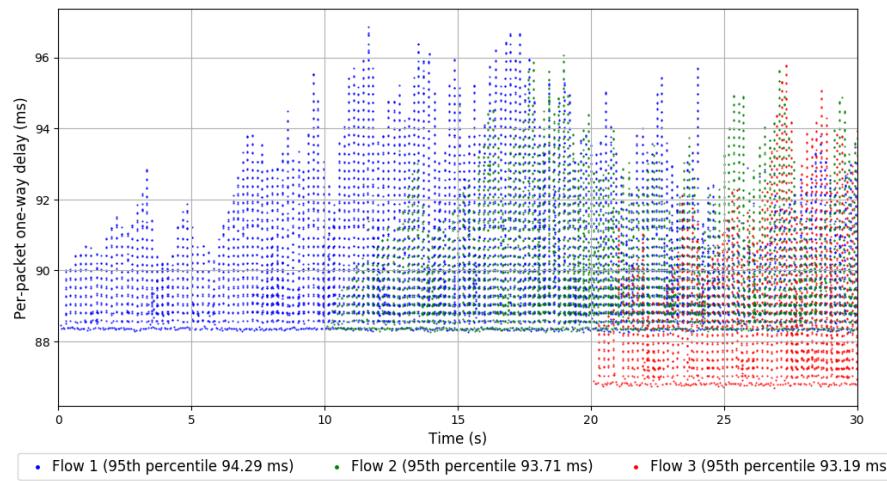
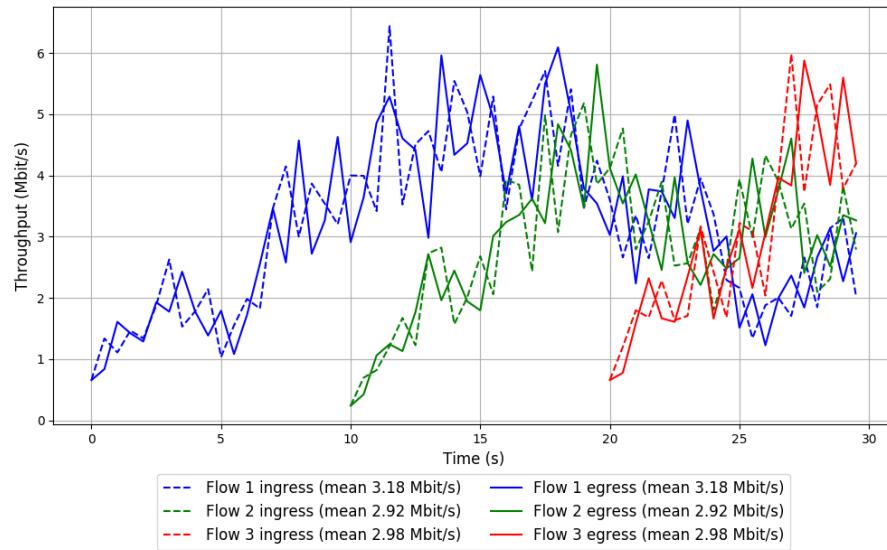


Run 10: Statistics of Sprout

```
Start at: 2018-01-17 06:28:34
End at: 2018-01-17 06:29:04
Local clock offset: 0.709 ms
Remote clock offset: 1.073 ms

# Below is generated by plot.py at 2018-01-17 07:17:44
# Datalink statistics
-- Total of 3 flows:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 93.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.18 Mbit/s
95th percentile per-packet one-way delay: 94.288 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 2.92 Mbit/s
95th percentile per-packet one-way delay: 93.709 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 2.98 Mbit/s
95th percentile per-packet one-way delay: 93.186 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

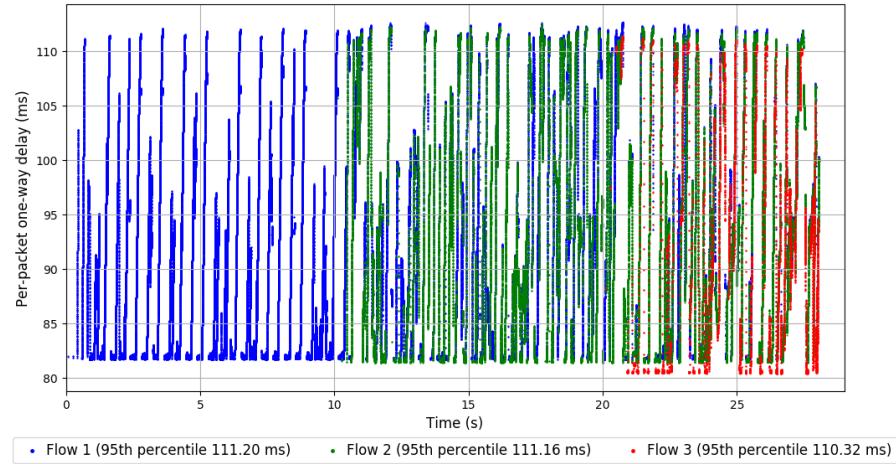
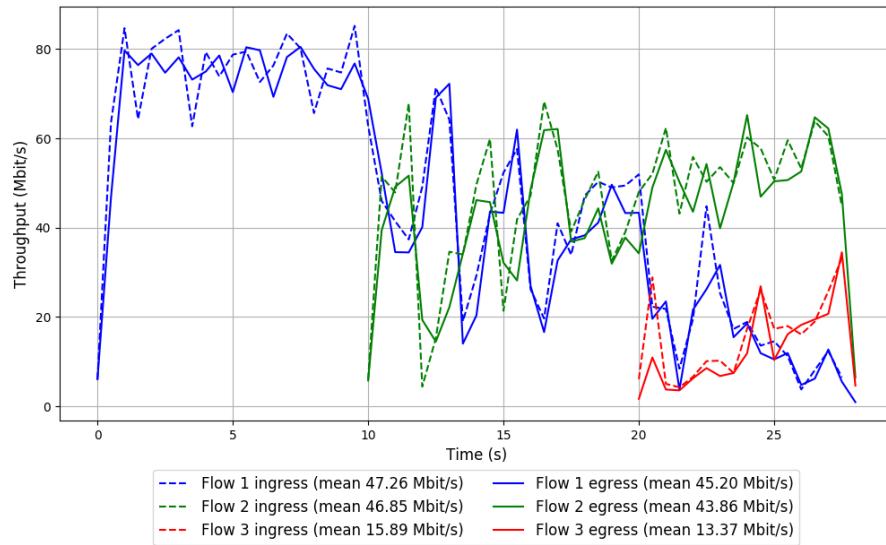


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-01-17 03:07:29
End at: 2018-01-17 03:07:59
Local clock offset: 1.087 ms
Remote clock offset: -6.151 ms

# Below is generated by plot.py at 2018-01-17 07:19:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 111.160 ms
Loss rate: 5.71%
-- Flow 1:
Average throughput: 45.20 Mbit/s
95th percentile per-packet one-way delay: 111.205 ms
Loss rate: 4.30%
-- Flow 2:
Average throughput: 43.86 Mbit/s
95th percentile per-packet one-way delay: 111.162 ms
Loss rate: 6.41%
-- Flow 3:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 110.317 ms
Loss rate: 15.76%
```

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

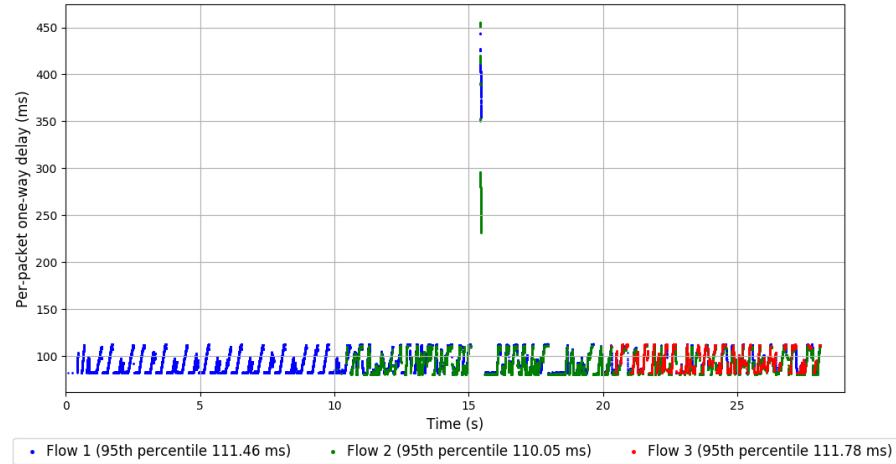
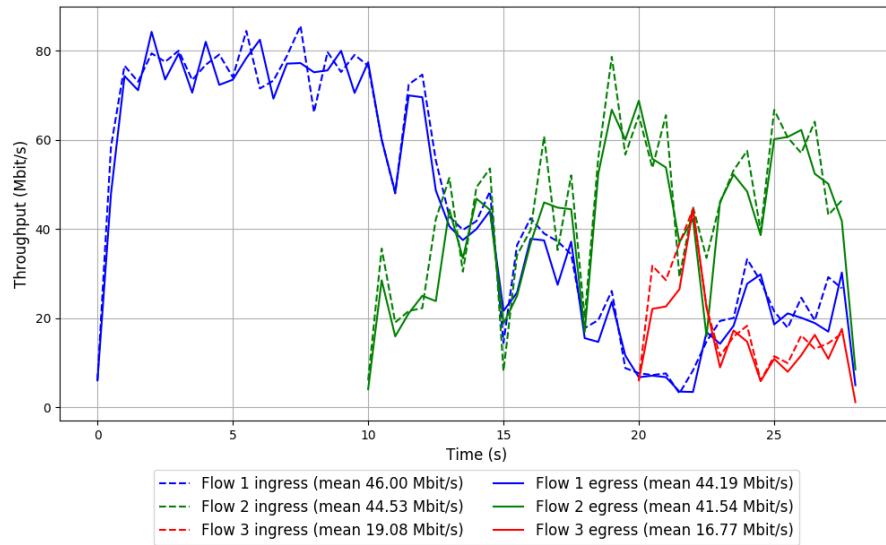


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-01-17 03:30:42
End at: 2018-01-17 03:31:12
Local clock offset: 0.993 ms
Remote clock offset: -6.655 ms

# Below is generated by plot.py at 2018-01-17 07:19:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.64 Mbit/s
95th percentile per-packet one-way delay: 111.168 ms
Loss rate: 5.36%
-- Flow 1:
Average throughput: 44.19 Mbit/s
95th percentile per-packet one-way delay: 111.458 ms
Loss rate: 3.83%
-- Flow 2:
Average throughput: 41.54 Mbit/s
95th percentile per-packet one-way delay: 110.046 ms
Loss rate: 6.60%
-- Flow 3:
Average throughput: 16.77 Mbit/s
95th percentile per-packet one-way delay: 111.778 ms
Loss rate: 11.82%
```

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

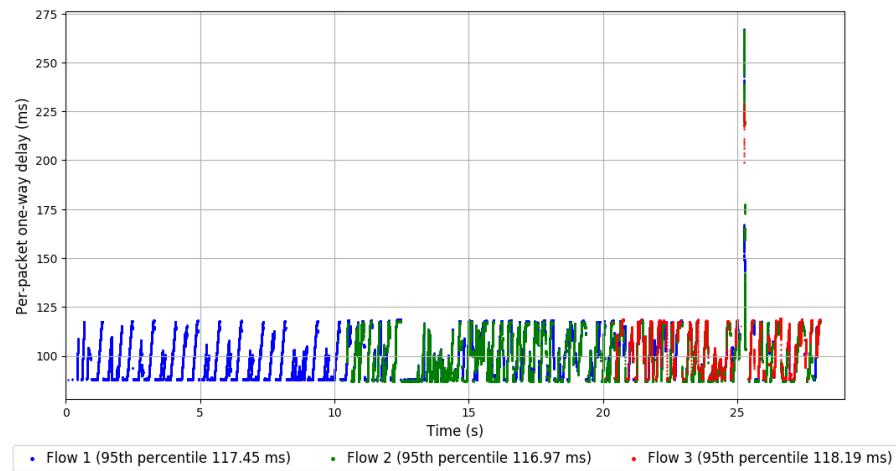
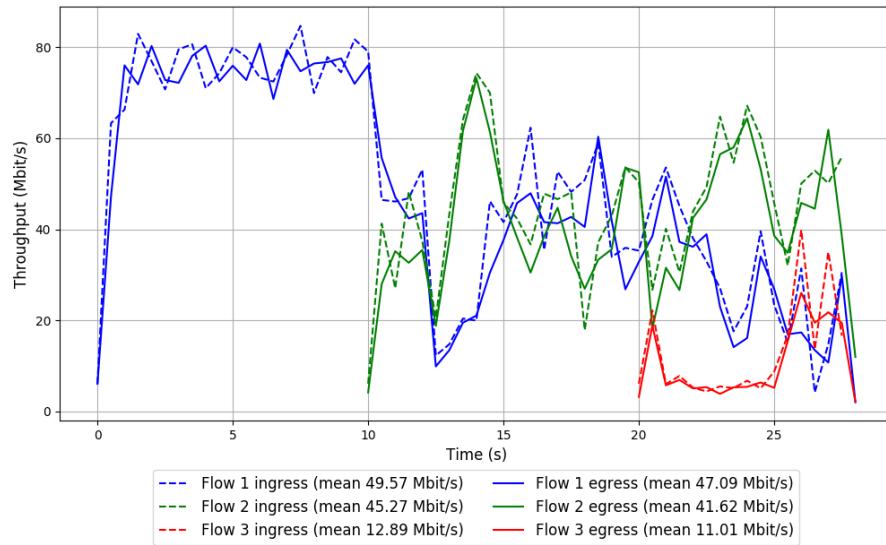


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-01-17 03:53:59
End at: 2018-01-17 03:54:30
Local clock offset: 0.845 ms
Remote clock offset: -1.009 ms

# Below is generated by plot.py at 2018-01-17 07:19:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 76.93 Mbit/s
95th percentile per-packet one-way delay: 117.352 ms
Loss rate: 6.41%
-- Flow 1:
Average throughput: 47.09 Mbit/s
95th percentile per-packet one-way delay: 117.452 ms
Loss rate: 4.89%
-- Flow 2:
Average throughput: 41.62 Mbit/s
95th percentile per-packet one-way delay: 116.973 ms
Loss rate: 8.01%
-- Flow 3:
Average throughput: 11.01 Mbit/s
95th percentile per-packet one-way delay: 118.191 ms
Loss rate: 14.33%
```

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

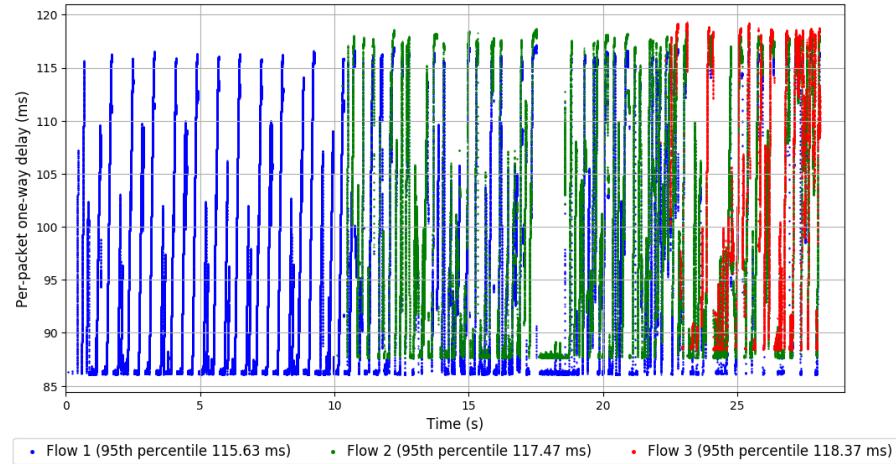
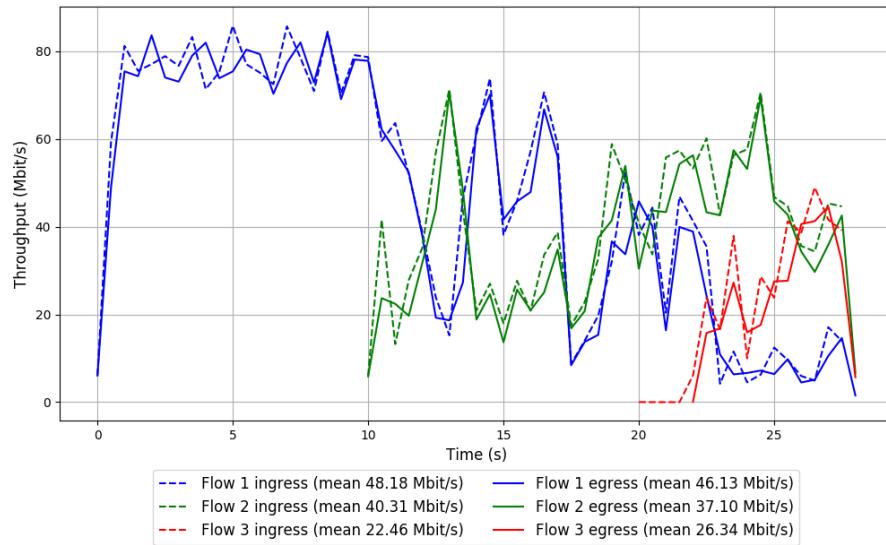


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-01-17 04:17:11
End at: 2018-01-17 04:17:41
Local clock offset: 0.883 ms
Remote clock offset: -0.723 ms

# Below is generated by plot.py at 2018-01-17 07:19:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.49 Mbit/s
95th percentile per-packet one-way delay: 116.894 ms
Loss rate: 5.99%
-- Flow 1:
Average throughput: 46.13 Mbit/s
95th percentile per-packet one-way delay: 115.628 ms
Loss rate: 4.19%
-- Flow 2:
Average throughput: 37.10 Mbit/s
95th percentile per-packet one-way delay: 117.468 ms
Loss rate: 7.80%
-- Flow 3:
Average throughput: 26.34 Mbit/s
95th percentile per-packet one-way delay: 118.369 ms
Loss rate: 12.26%
```

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

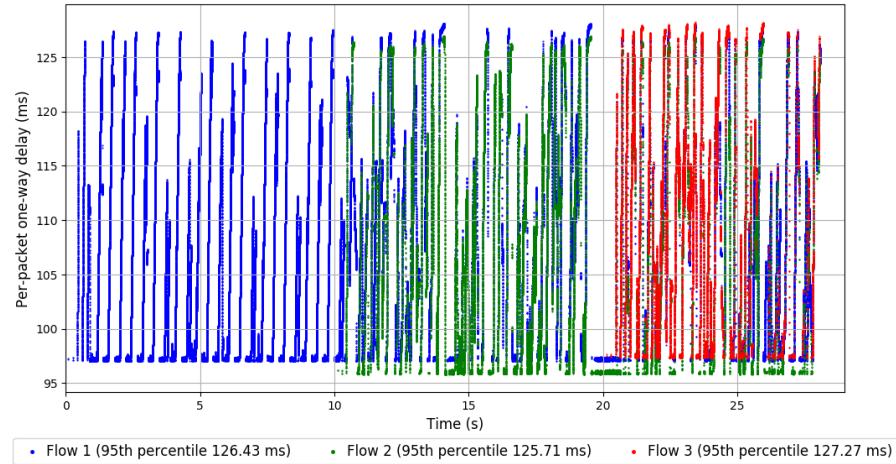
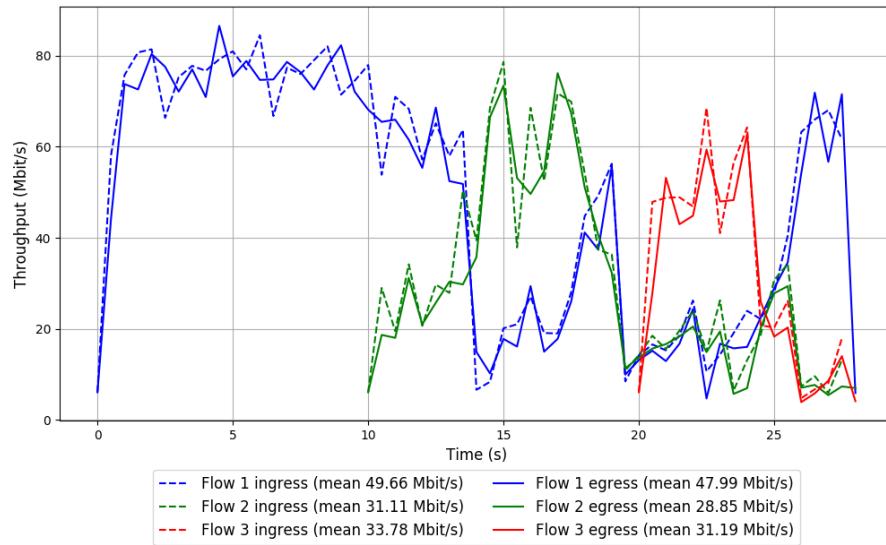


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-01-17 04:40:34
End at: 2018-01-17 04:41:04
Local clock offset: 0.721 ms
Remote clock offset: 8.189 ms

# Below is generated by plot.py at 2018-01-17 07:19:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.32 Mbit/s
95th percentile per-packet one-way delay: 126.347 ms
Loss rate: 4.73%
-- Flow 1:
Average throughput: 47.99 Mbit/s
95th percentile per-packet one-way delay: 126.433 ms
Loss rate: 3.28%
-- Flow 2:
Average throughput: 28.85 Mbit/s
95th percentile per-packet one-way delay: 125.713 ms
Loss rate: 7.12%
-- Flow 3:
Average throughput: 31.19 Mbit/s
95th percentile per-packet one-way delay: 127.267 ms
Loss rate: 7.34%
```

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

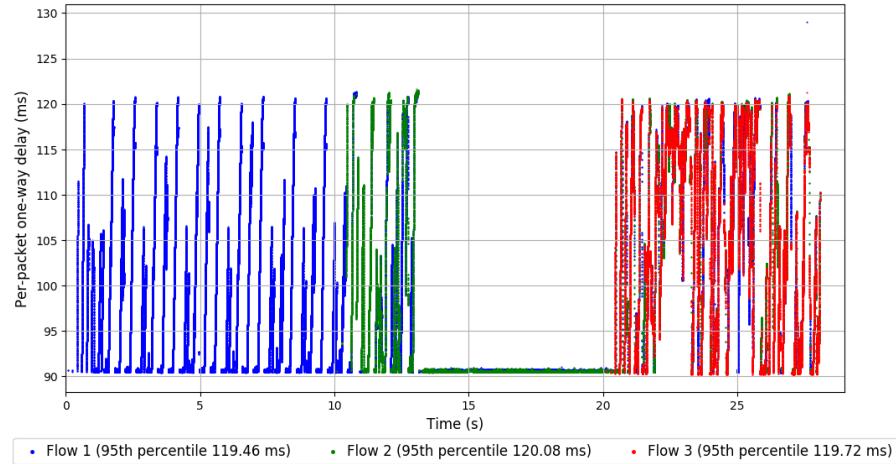
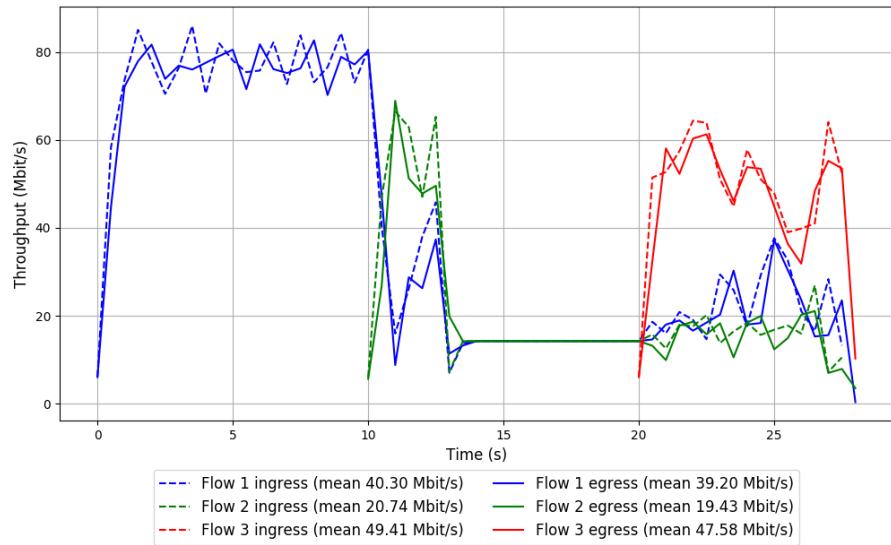


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-01-17 05:03:59
End at: 2018-01-17 05:04:29
Local clock offset: 0.648 ms
Remote clock offset: 3.117 ms

# Below is generated by plot.py at 2018-01-17 07:19:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.22 Mbit/s
95th percentile per-packet one-way delay: 119.738 ms
Loss rate: 3.53%
-- Flow 1:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 119.456 ms
Loss rate: 2.66%
-- Flow 2:
Average throughput: 19.43 Mbit/s
95th percentile per-packet one-way delay: 120.085 ms
Loss rate: 6.20%
-- Flow 3:
Average throughput: 47.58 Mbit/s
95th percentile per-packet one-way delay: 119.717 ms
Loss rate: 3.47%
```

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

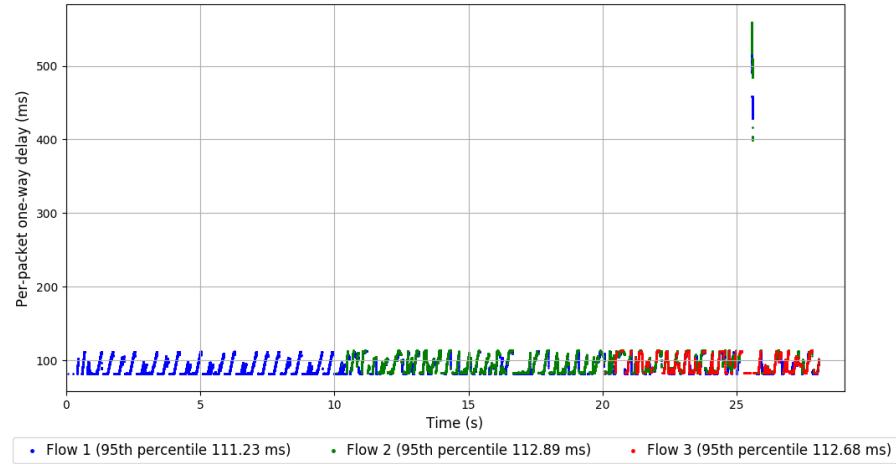
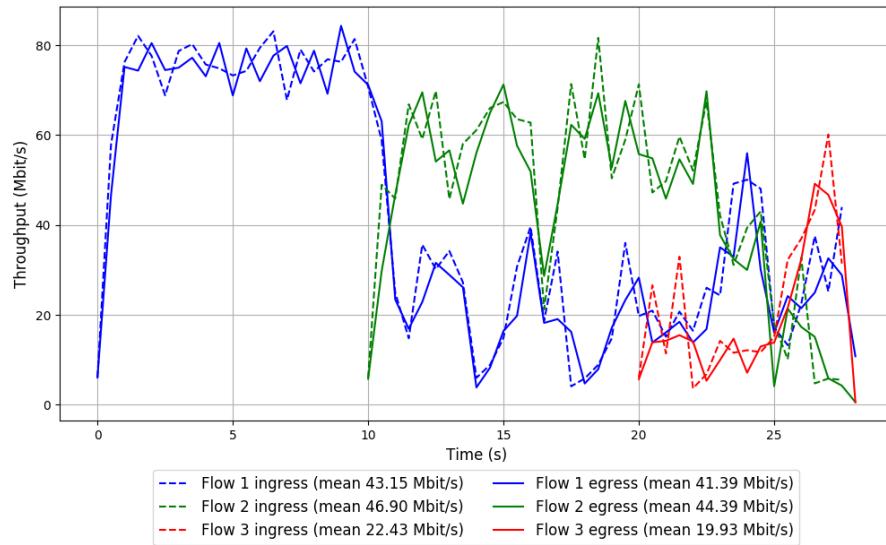


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-01-17 05:27:19
End at: 2018-01-17 05:27:49
Local clock offset: 0.684 ms
Remote clock offset: -6.376 ms

# Below is generated by plot.py at 2018-01-17 07:19:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.56 Mbit/s
95th percentile per-packet one-way delay: 112.145 ms
Loss rate: 5.04%
-- Flow 1:
Average throughput: 41.39 Mbit/s
95th percentile per-packet one-way delay: 111.229 ms
Loss rate: 4.03%
-- Flow 2:
Average throughput: 44.39 Mbit/s
95th percentile per-packet one-way delay: 112.892 ms
Loss rate: 5.24%
-- Flow 3:
Average throughput: 19.93 Mbit/s
95th percentile per-packet one-way delay: 112.678 ms
Loss rate: 10.96%
```

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

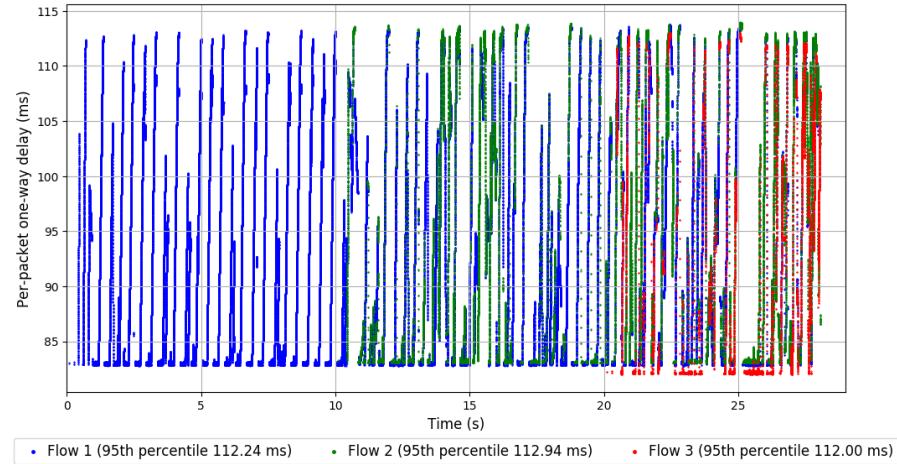
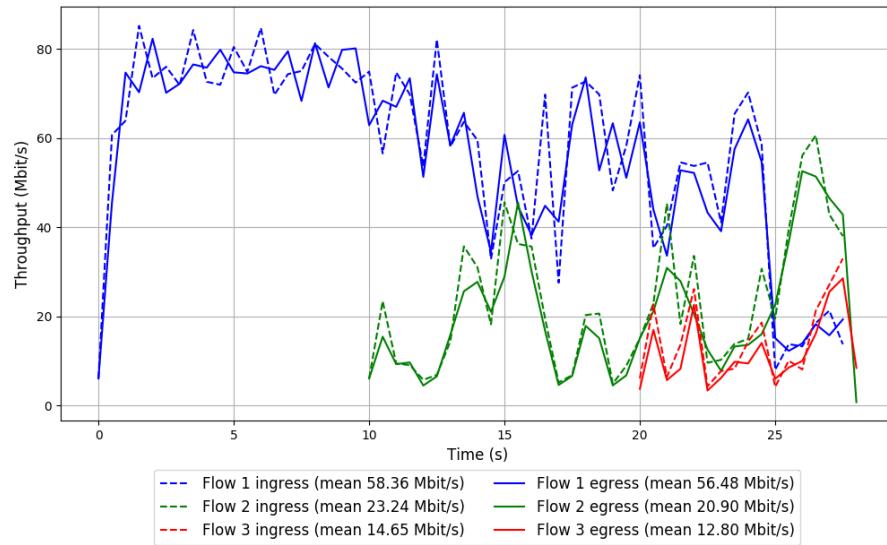


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-01-17 05:50:41
End at: 2018-01-17 05:51:11
Local clock offset: 0.656 ms
Remote clock offset: -5.564 ms

# Below is generated by plot.py at 2018-01-17 07:19:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 73.37 Mbit/s
95th percentile per-packet one-way delay: 112.499 ms
Loss rate: 4.98%
-- Flow 1:
Average throughput: 56.48 Mbit/s
95th percentile per-packet one-way delay: 112.243 ms
Loss rate: 3.15%
-- Flow 2:
Average throughput: 20.90 Mbit/s
95th percentile per-packet one-way delay: 112.944 ms
Loss rate: 10.07%
-- Flow 3:
Average throughput: 12.80 Mbit/s
95th percentile per-packet one-way delay: 112.003 ms
Loss rate: 12.39%
```

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

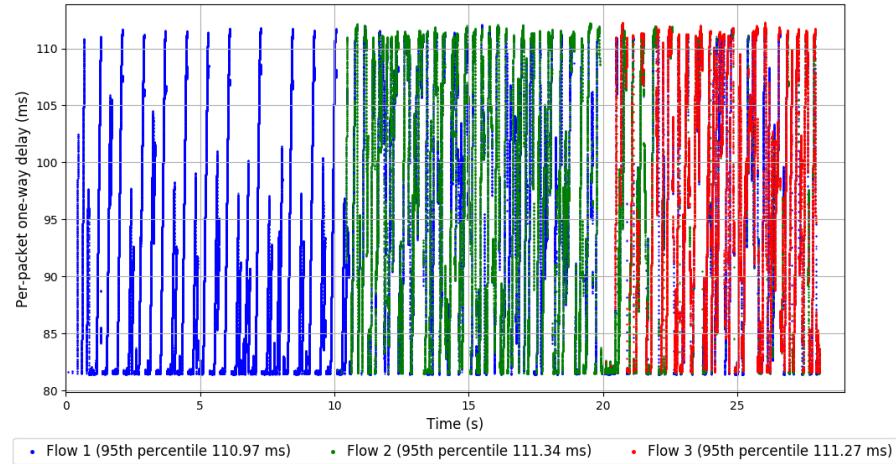
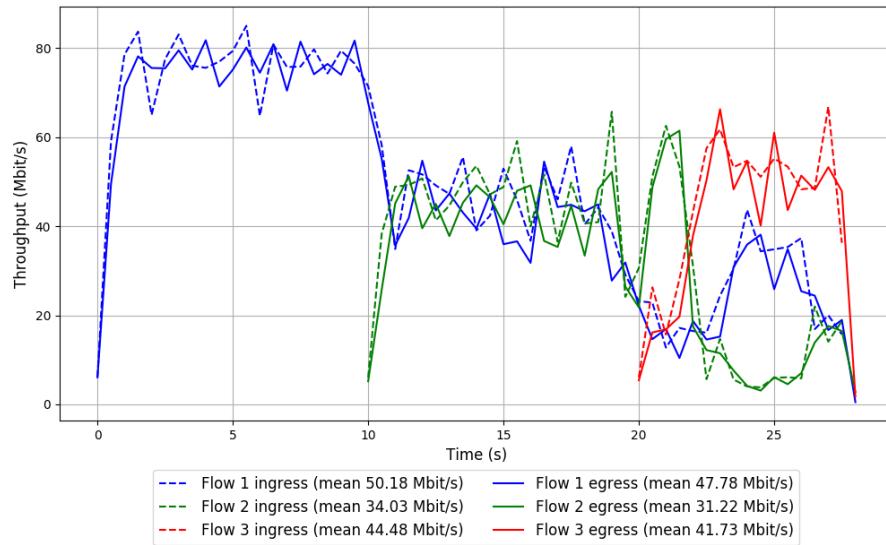


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-01-17 06:14:10
End at: 2018-01-17 06:14:40
Local clock offset: 0.725 ms
Remote clock offset: -4.927 ms

# Below is generated by plot.py at 2018-01-17 07:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.59 Mbit/s
95th percentile per-packet one-way delay: 111.131 ms
Loss rate: 5.89%
-- Flow 1:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 110.968 ms
Loss rate: 4.78%
-- Flow 2:
Average throughput: 31.22 Mbit/s
95th percentile per-packet one-way delay: 111.343 ms
Loss rate: 8.27%
-- Flow 3:
Average throughput: 41.73 Mbit/s
95th percentile per-packet one-way delay: 111.267 ms
Loss rate: 6.19%
```

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

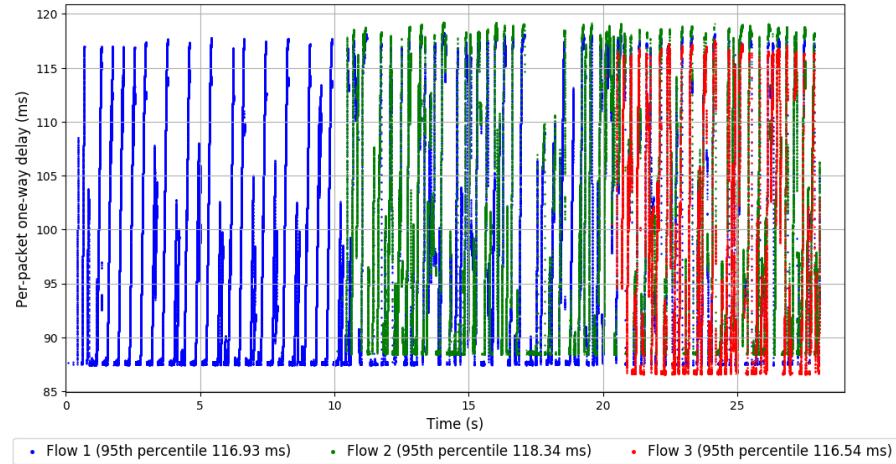
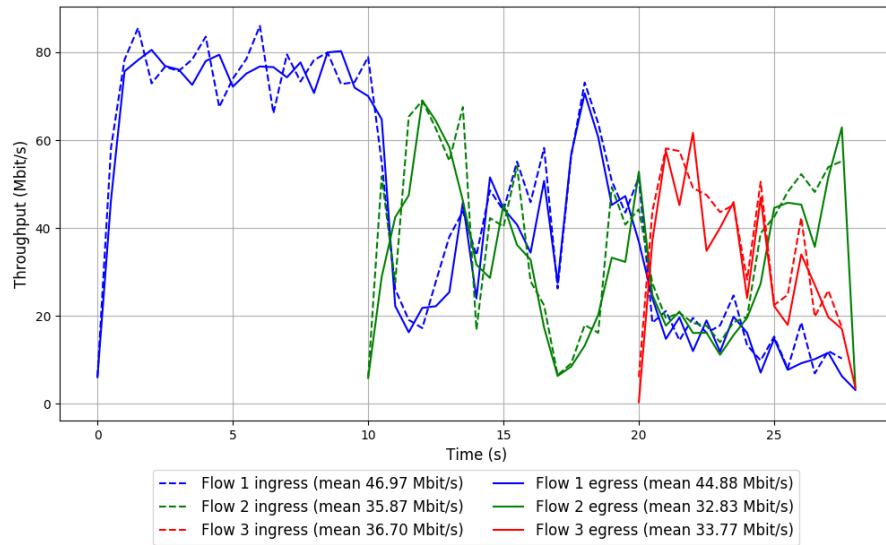


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-01-17 06:37:31
End at: 2018-01-17 06:38:01
Local clock offset: 0.631 ms
Remote clock offset: 0.493 ms

# Below is generated by plot.py at 2018-01-17 07:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 75.53 Mbit/s
95th percentile per-packet one-way delay: 117.346 ms
Loss rate: 6.02%
-- Flow 1:
Average throughput: 44.88 Mbit/s
95th percentile per-packet one-way delay: 116.934 ms
Loss rate: 4.40%
-- Flow 2:
Average throughput: 32.83 Mbit/s
95th percentile per-packet one-way delay: 118.338 ms
Loss rate: 8.40%
-- Flow 3:
Average throughput: 33.77 Mbit/s
95th percentile per-packet one-way delay: 116.540 ms
Loss rate: 8.10%
```

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

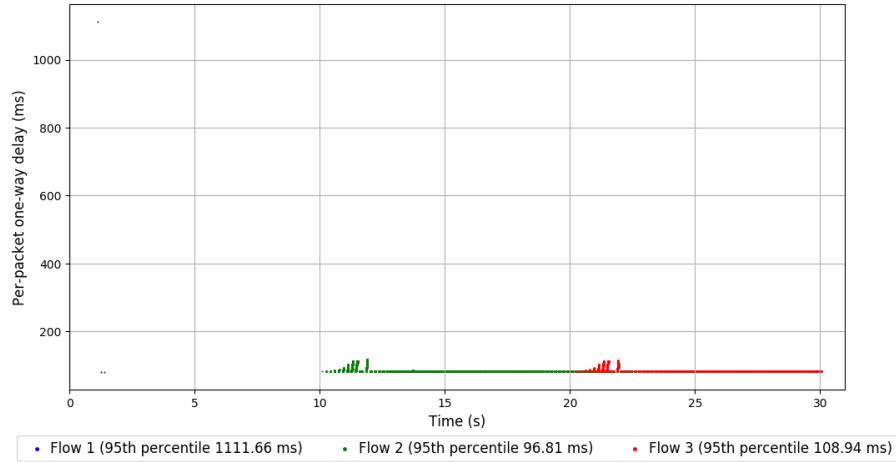
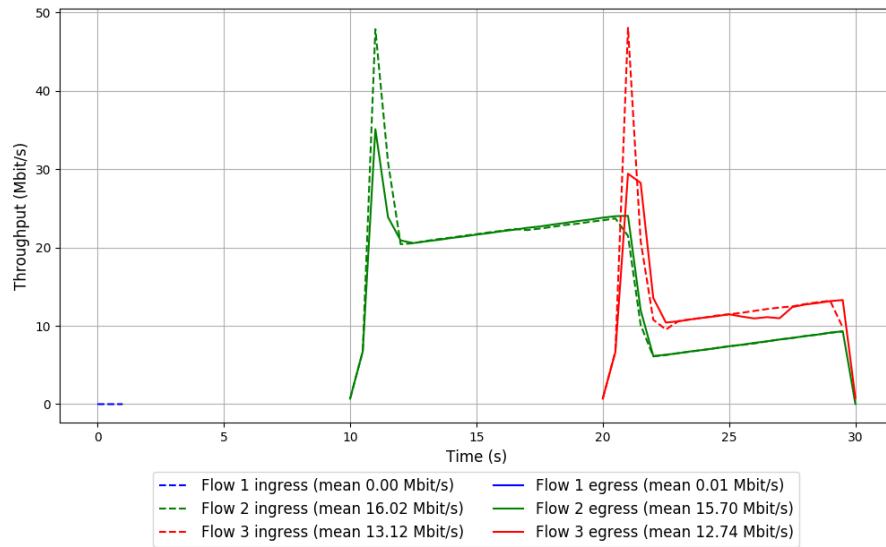


Run 1: Statistics of TCP Vegas

```
Start at: 2018-01-17 03:05:01
End at: 2018-01-17 03:05:31
Local clock offset: 1.069 ms
Remote clock offset: -5.938 ms

# Below is generated by plot.py at 2018-01-17 07:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 15.19 Mbit/s
95th percentile per-packet one-way delay: 101.574 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 0.01 Mbit/s
95th percentile per-packet one-way delay: 1111.658 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 96.805 ms
Loss rate: 2.01%
-- Flow 3:
Average throughput: 12.74 Mbit/s
95th percentile per-packet one-way delay: 108.935 ms
Loss rate: 2.89%
```

Run 1: Report of TCP Vegas — Data Link

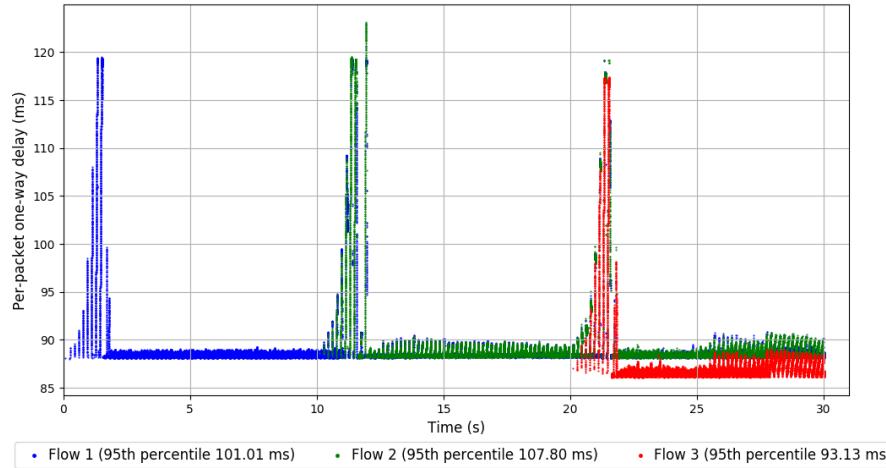
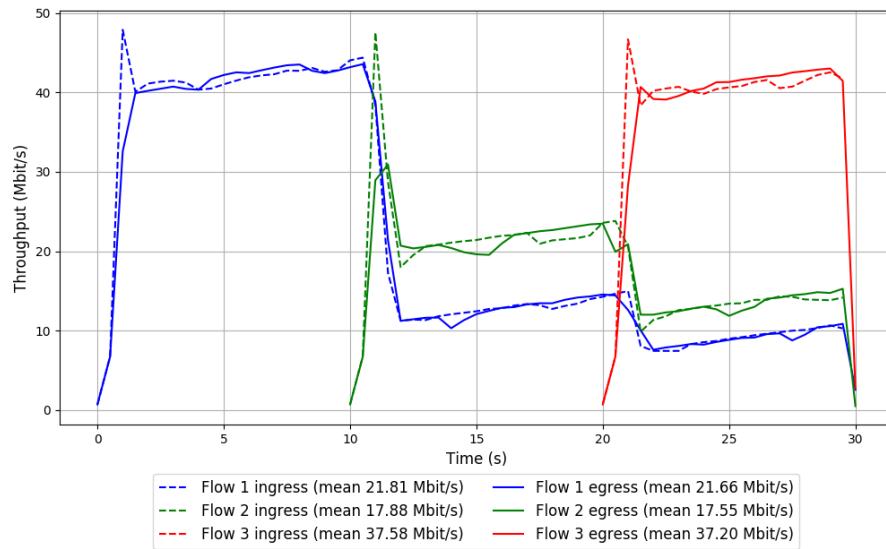


Run 2: Statistics of TCP Vegas

```
Start at: 2018-01-17 03:28:11
End at: 2018-01-17 03:28:42
Local clock offset: 0.996 ms
Remote clock offset: -0.959 ms

# Below is generated by plot.py at 2018-01-17 07:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.69 Mbit/s
95th percentile per-packet one-way delay: 100.751 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 21.66 Mbit/s
95th percentile per-packet one-way delay: 101.009 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 17.55 Mbit/s
95th percentile per-packet one-way delay: 107.804 ms
Loss rate: 1.82%
-- Flow 3:
Average throughput: 37.20 Mbit/s
95th percentile per-packet one-way delay: 93.133 ms
Loss rate: 1.00%
```

Run 2: Report of TCP Vegas — Data Link

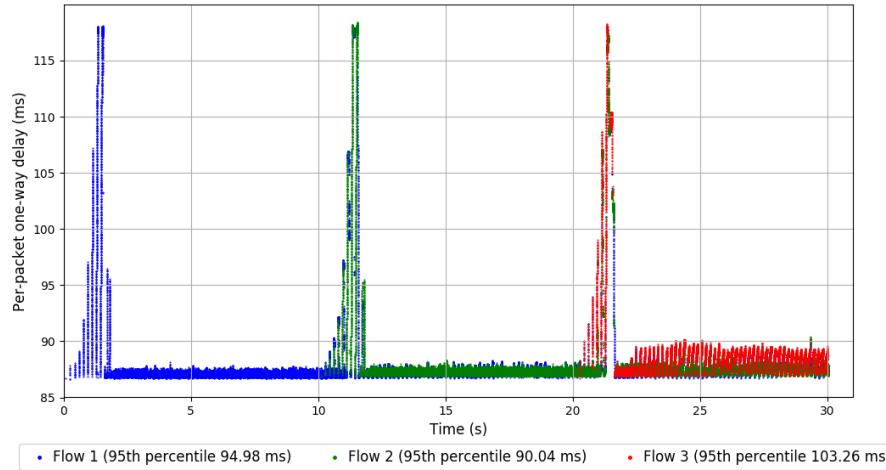
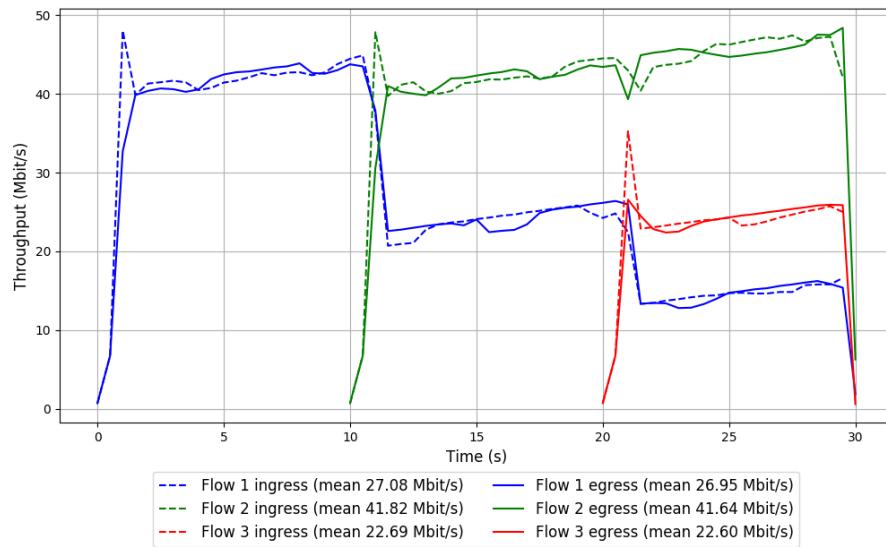


Run 3: Statistics of TCP Vegas

```
Start at: 2018-01-17 03:51:28
End at: 2018-01-17 03:51:58
Local clock offset: 0.928 ms
Remote clock offset: -1.9 ms

# Below is generated by plot.py at 2018-01-17 07:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.15 Mbit/s
95th percentile per-packet one-way delay: 93.965 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 26.95 Mbit/s
95th percentile per-packet one-way delay: 94.977 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 41.64 Mbit/s
95th percentile per-packet one-way delay: 90.040 ms
Loss rate: 0.44%
-- Flow 3:
Average throughput: 22.60 Mbit/s
95th percentile per-packet one-way delay: 103.256 ms
Loss rate: 0.41%
```

Run 3: Report of TCP Vegas — Data Link

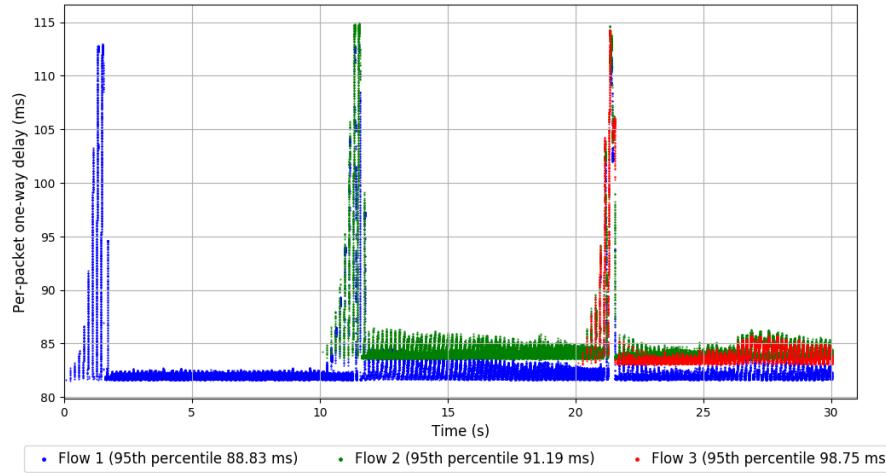
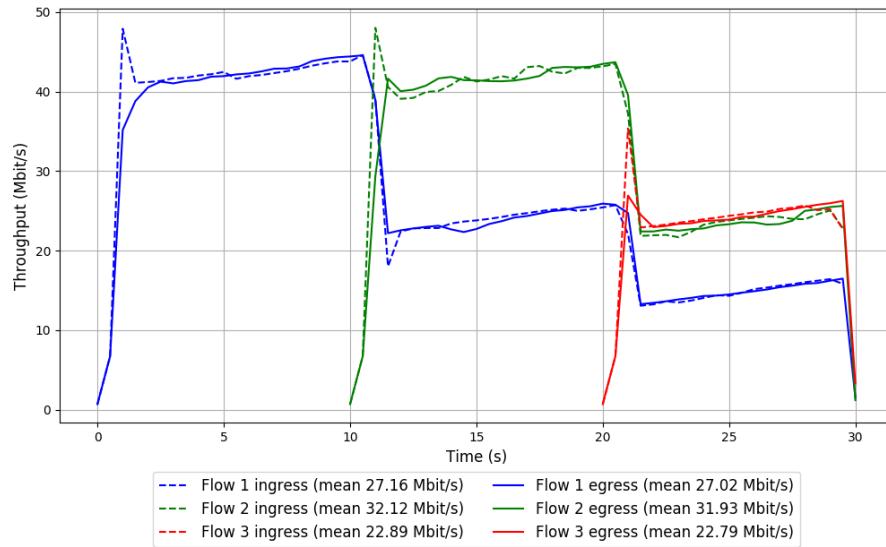


Run 4: Statistics of TCP Vegas

```
Start at: 2018-01-17 04:14:40
End at: 2018-01-17 04:15:10
Local clock offset: 0.88 ms
Remote clock offset: -5.447 ms

# Below is generated by plot.py at 2018-01-17 07:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 55.85 Mbit/s
95th percentile per-packet one-way delay: 90.906 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 27.02 Mbit/s
95th percentile per-packet one-way delay: 88.825 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 31.93 Mbit/s
95th percentile per-packet one-way delay: 91.194 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 22.79 Mbit/s
95th percentile per-packet one-way delay: 98.753 ms
Loss rate: 0.44%
```

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

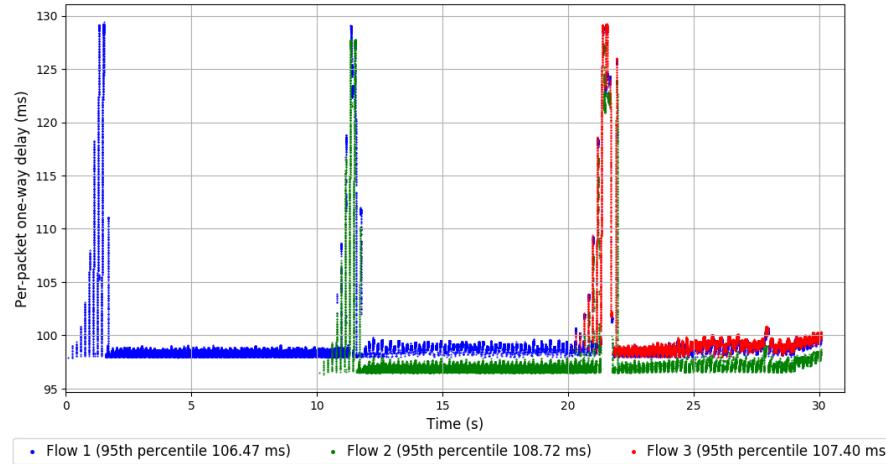
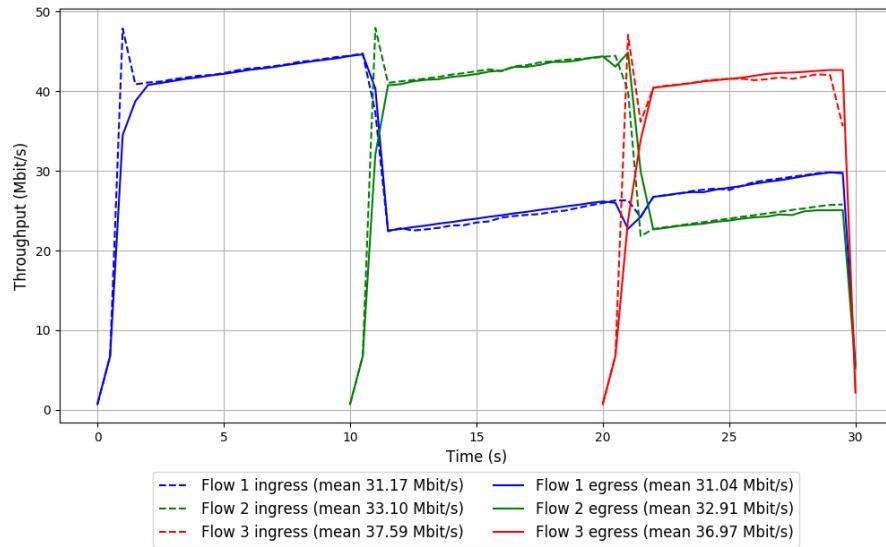


Run 5: Statistics of TCP Vegas

```
Start at: 2018-01-17 04:38:03
End at: 2018-01-17 04:38:33
Local clock offset: 0.73 ms
Remote clock offset: 9.105 ms

# Below is generated by plot.py at 2018-01-17 07:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.20 Mbit/s
95th percentile per-packet one-way delay: 107.473 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 31.04 Mbit/s
95th percentile per-packet one-way delay: 106.467 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 32.91 Mbit/s
95th percentile per-packet one-way delay: 108.725 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 36.97 Mbit/s
95th percentile per-packet one-way delay: 107.396 ms
Loss rate: 1.64%
```

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

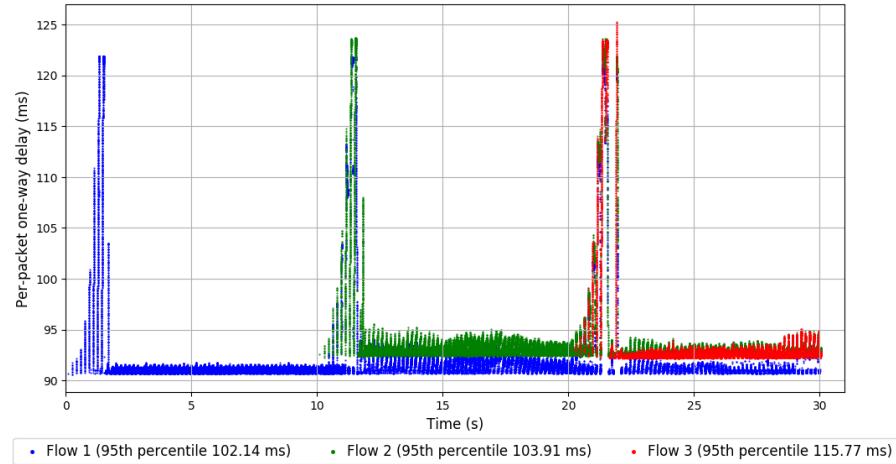
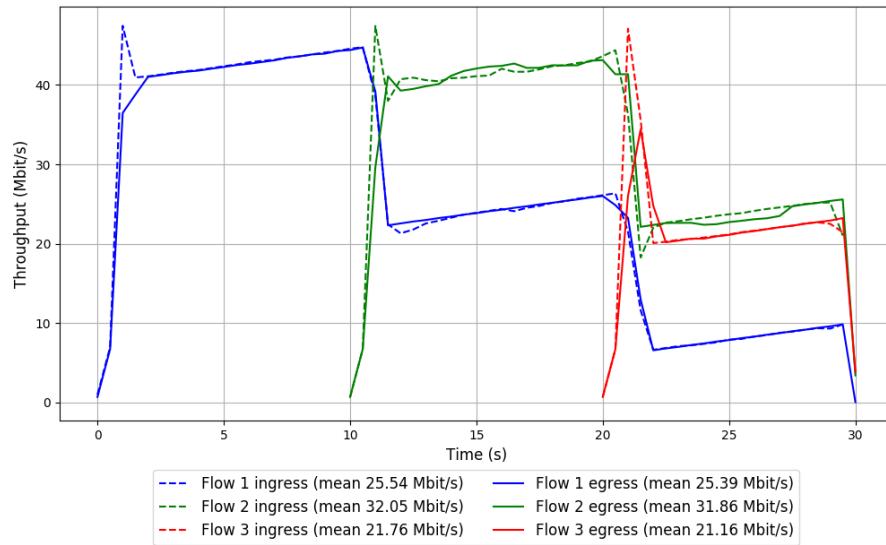


Run 6: Statistics of TCP Vegas

```
Start at: 2018-01-17 05:01:28
End at: 2018-01-17 05:01:58
Local clock offset: 0.721 ms
Remote clock offset: 3.431 ms

# Below is generated by plot.py at 2018-01-17 07:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 53.61 Mbit/s
95th percentile per-packet one-way delay: 105.180 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 25.39 Mbit/s
95th percentile per-packet one-way delay: 102.135 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 31.86 Mbit/s
95th percentile per-packet one-way delay: 103.906 ms
Loss rate: 0.59%
-- Flow 3:
Average throughput: 21.16 Mbit/s
95th percentile per-packet one-way delay: 115.772 ms
Loss rate: 2.75%
```

Run 6: Report of TCP Vegas — Data Link

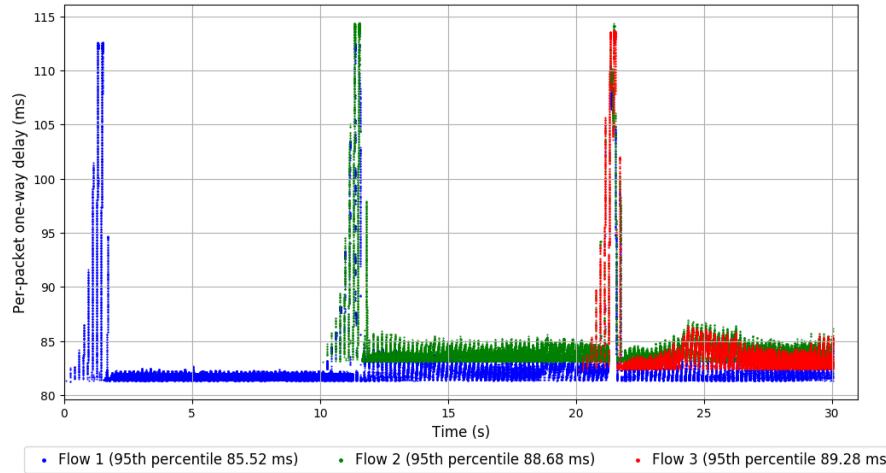
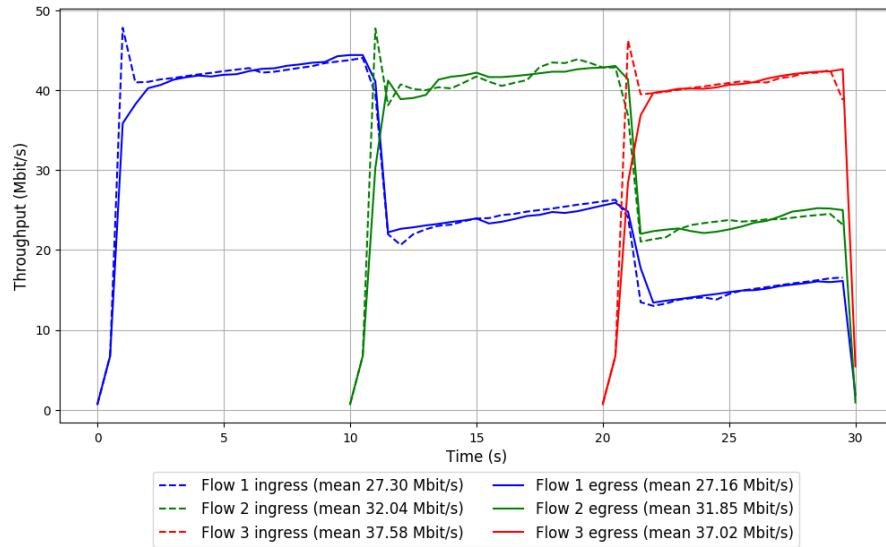


Run 7: Statistics of TCP Vegas

```
Start at: 2018-01-17 05:24:48
End at: 2018-01-17 05:25:18
Local clock offset: 0.615 ms
Remote clock offset: -5.934 ms

# Below is generated by plot.py at 2018-01-17 07:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 60.63 Mbit/s
95th percentile per-packet one-way delay: 87.253 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 27.16 Mbit/s
95th percentile per-packet one-way delay: 85.516 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 31.85 Mbit/s
95th percentile per-packet one-way delay: 88.684 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 37.02 Mbit/s
95th percentile per-packet one-way delay: 89.278 ms
Loss rate: 1.49%
```

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

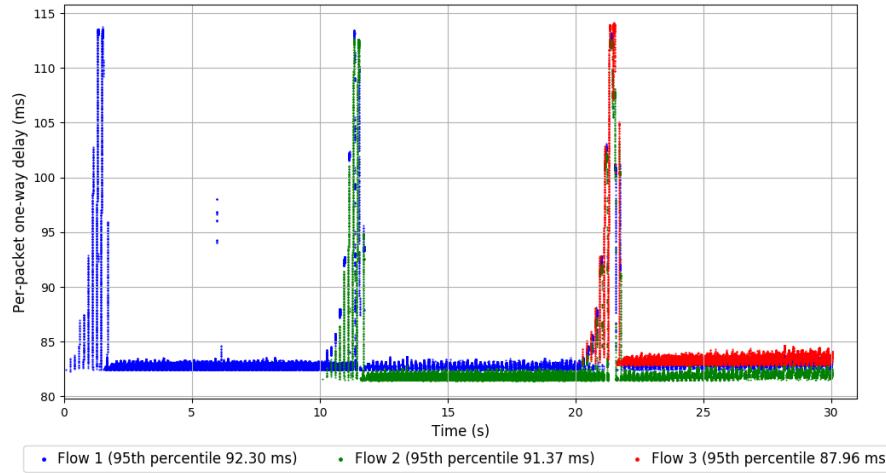
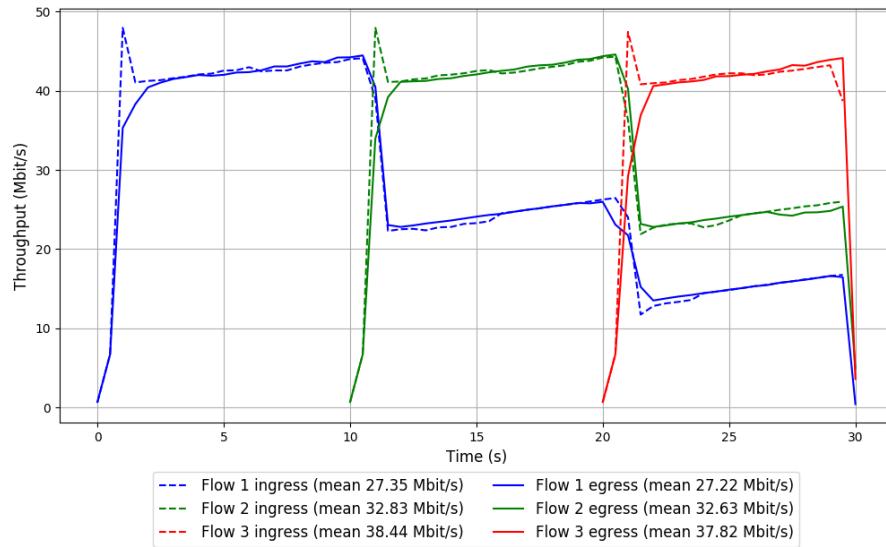


Run 8: Statistics of TCP Vegas

```
Start at: 2018-01-17 05:48:10
End at: 2018-01-17 05:48:40
Local clock offset: 0.666 ms
Remote clock offset: -5.234 ms

# Below is generated by plot.py at 2018-01-17 07:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.51 Mbit/s
95th percentile per-packet one-way delay: 91.674 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 27.22 Mbit/s
95th percentile per-packet one-way delay: 92.301 ms
Loss rate: 0.47%
-- Flow 2:
Average throughput: 32.63 Mbit/s
95th percentile per-packet one-way delay: 91.370 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 37.82 Mbit/s
95th percentile per-packet one-way delay: 87.963 ms
Loss rate: 1.60%
```

Run 8: Report of TCP Vegas — Data Link

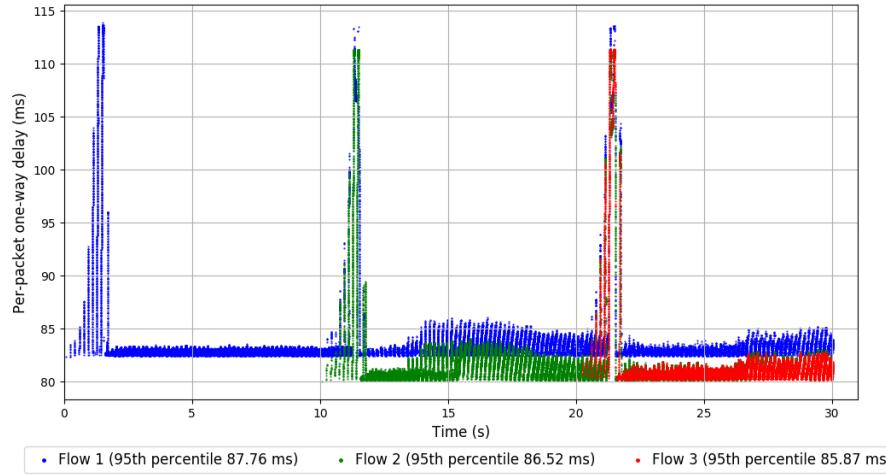
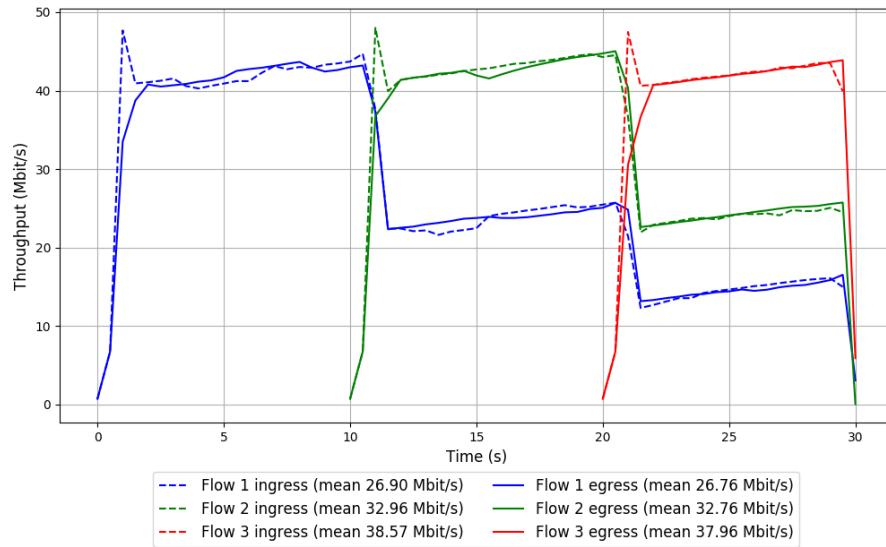


Run 9: Statistics of TCP Vegas

```
Start at: 2018-01-17 06:11:38
End at: 2018-01-17 06:12:08
Local clock offset: 0.704 ms
Remote clock offset: -5.963 ms

# Below is generated by plot.py at 2018-01-17 07:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.20 Mbit/s
95th percentile per-packet one-way delay: 86.995 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 26.76 Mbit/s
95th percentile per-packet one-way delay: 87.762 ms
Loss rate: 0.50%
-- Flow 2:
Average throughput: 32.76 Mbit/s
95th percentile per-packet one-way delay: 86.520 ms
Loss rate: 0.58%
-- Flow 3:
Average throughput: 37.96 Mbit/s
95th percentile per-packet one-way delay: 85.872 ms
Loss rate: 1.57%
```

Run 9: Report of TCP Vegas — Data Link

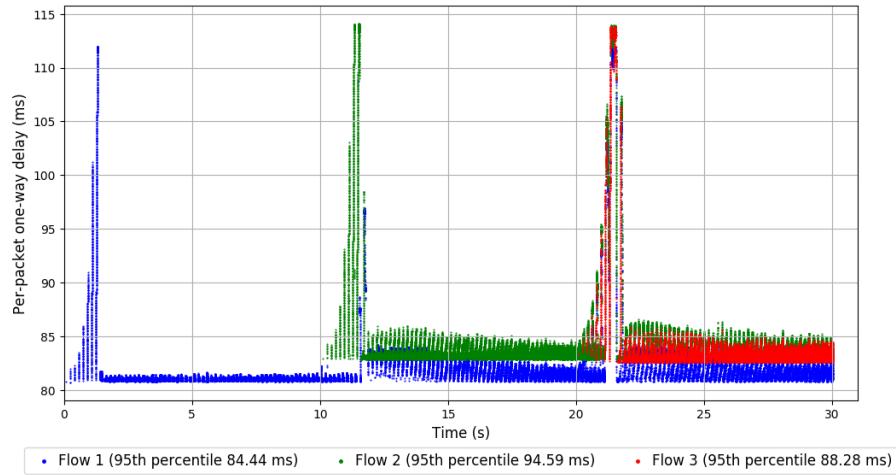
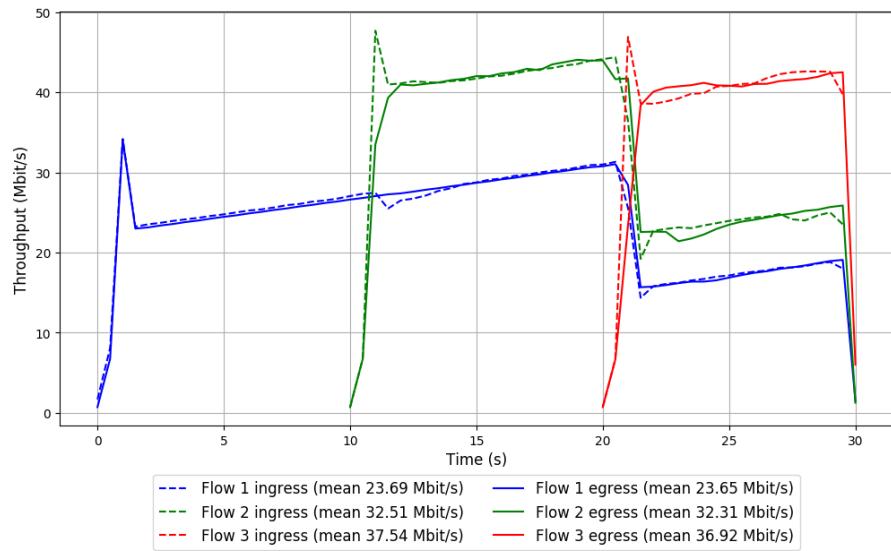


Run 10: Statistics of TCP Vegas

```
Start at: 2018-01-17 06:34:59
End at: 2018-01-17 06:35:29
Local clock offset: 0.636 ms
Remote clock offset: -4.367 ms

# Below is generated by plot.py at 2018-01-17 07:21:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 57.42 Mbit/s
95th percentile per-packet one-way delay: 89.461 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 23.65 Mbit/s
95th percentile per-packet one-way delay: 84.438 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 32.31 Mbit/s
95th percentile per-packet one-way delay: 94.592 ms
Loss rate: 0.61%
-- Flow 3:
Average throughput: 36.92 Mbit/s
95th percentile per-packet one-way delay: 88.285 ms
Loss rate: 1.66%
```

Run 10: Report of TCP Vegas — Data Link

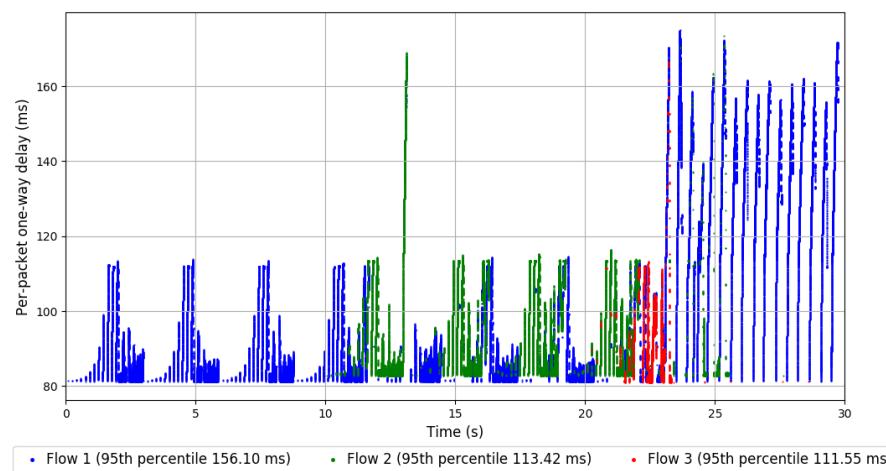
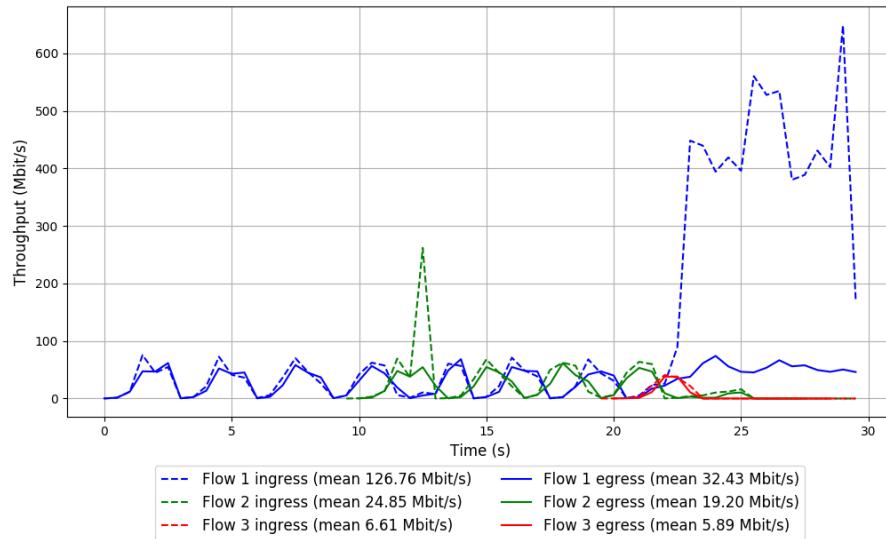


Run 1: Statistics of Verus

```
Start at: 2018-01-17 03:02:28
End at: 2018-01-17 03:02:58
Local clock offset: 1.066 ms
Remote clock offset: -5.198 ms

# Below is generated by plot.py at 2018-01-17 07:21:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 45.50 Mbit/s
95th percentile per-packet one-way delay: 153.738 ms
Loss rate: 68.61%
-- Flow 1:
Average throughput: 32.43 Mbit/s
95th percentile per-packet one-way delay: 156.104 ms
Loss rate: 74.35%
-- Flow 2:
Average throughput: 19.20 Mbit/s
95th percentile per-packet one-way delay: 113.421 ms
Loss rate: 30.66%
-- Flow 3:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 111.552 ms
Loss rate: 20.28%
```

Run 1: Report of Verus — Data Link

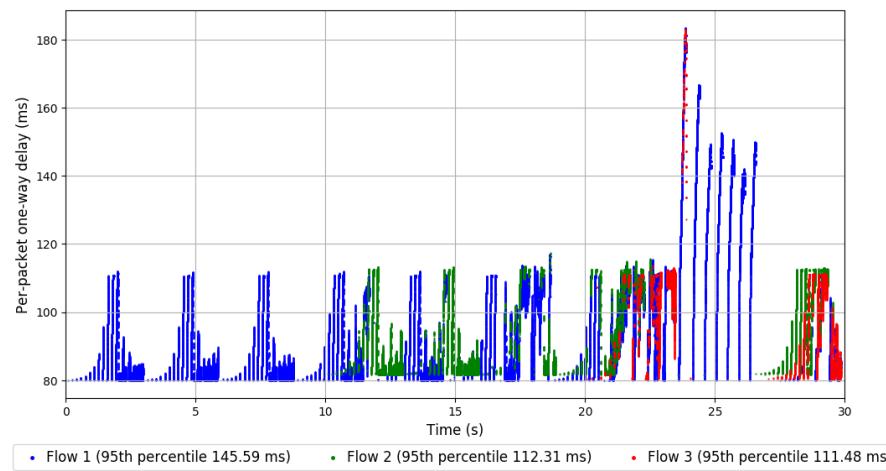
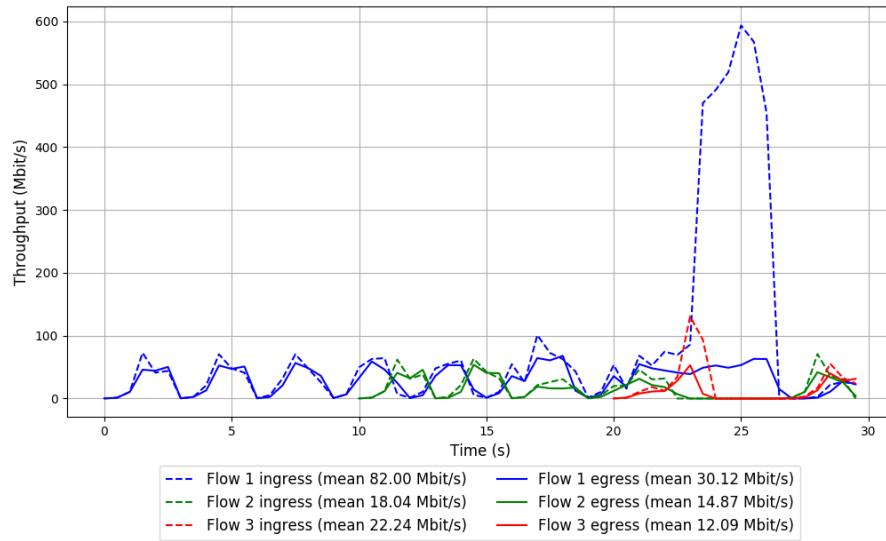


Run 2: Statistics of Verus

```
Start at: 2018-01-17 03:25:40
End at: 2018-01-17 03:26:10
Local clock offset: 1.024 ms
Remote clock offset: -6.603 ms

# Below is generated by plot.py at 2018-01-17 07:21:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 140.806 ms
Loss rate: 56.62%
-- Flow 1:
Average throughput: 30.12 Mbit/s
95th percentile per-packet one-way delay: 145.595 ms
Loss rate: 63.26%
-- Flow 2:
Average throughput: 14.87 Mbit/s
95th percentile per-packet one-way delay: 112.312 ms
Loss rate: 17.59%
-- Flow 3:
Average throughput: 12.09 Mbit/s
95th percentile per-packet one-way delay: 111.479 ms
Loss rate: 45.63%
```

## Run 2: Report of Verus — Data Link

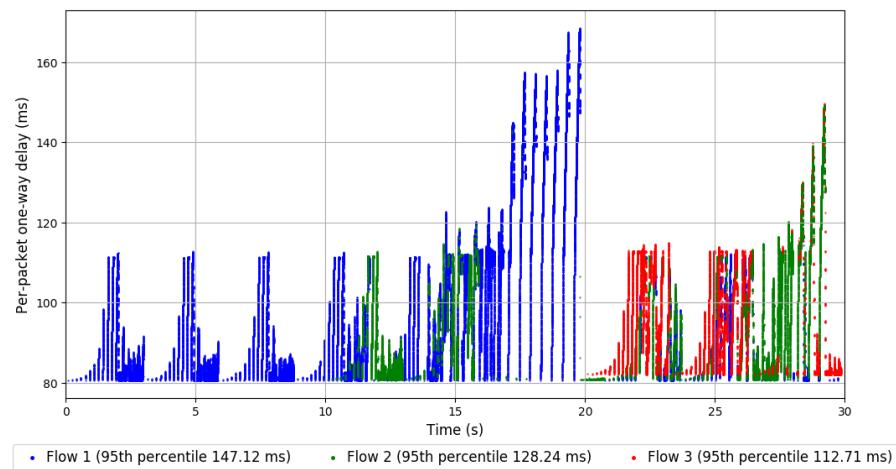
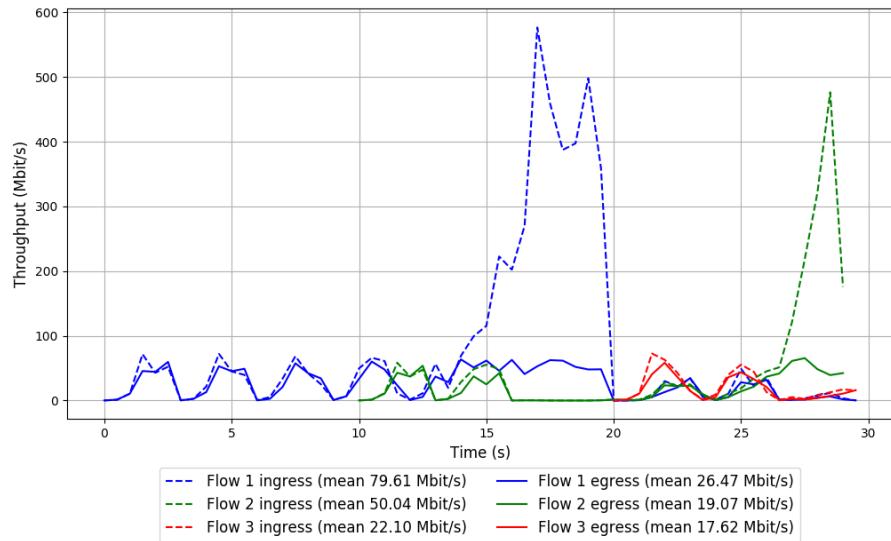


Run 3: Statistics of Verus

```
Start at: 2018-01-17 03:48:57
End at: 2018-01-17 03:49:27
Local clock offset: 0.867 ms
Remote clock offset: -6.794 ms

# Below is generated by plot.py at 2018-01-17 07:21:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.40 Mbit/s
95th percentile per-packet one-way delay: 140.780 ms
Loss rate: 62.58%
-- Flow 1:
Average throughput: 26.47 Mbit/s
95th percentile per-packet one-way delay: 147.118 ms
Loss rate: 66.76%
-- Flow 2:
Average throughput: 19.07 Mbit/s
95th percentile per-packet one-way delay: 128.240 ms
Loss rate: 61.82%
-- Flow 3:
Average throughput: 17.62 Mbit/s
95th percentile per-packet one-way delay: 112.710 ms
Loss rate: 20.25%
```

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

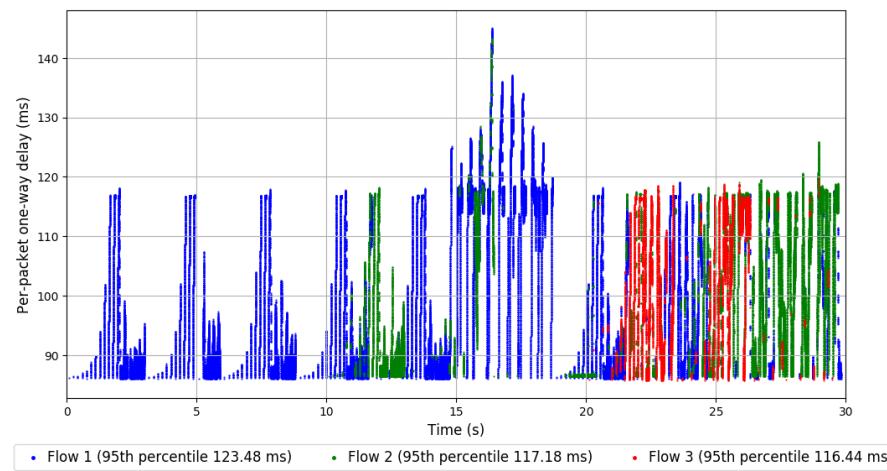
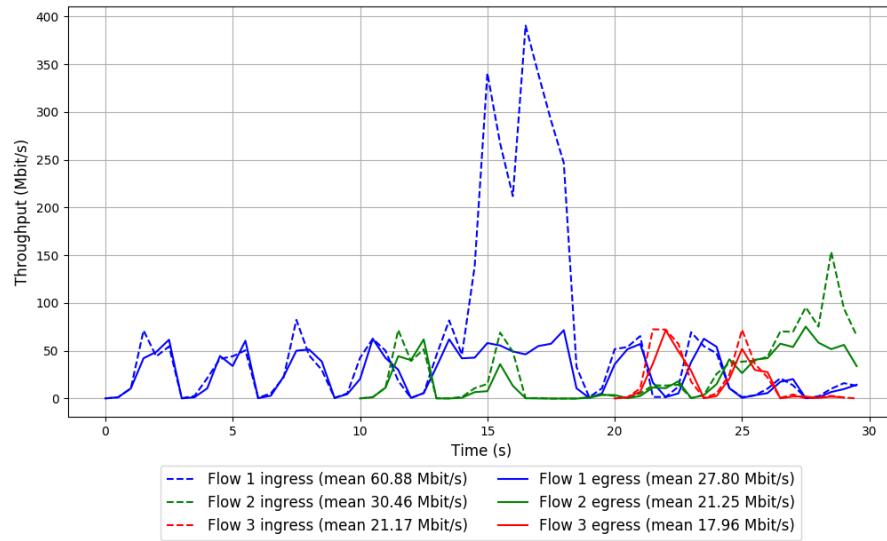


Run 4: Statistics of Verus

```
Start at: 2018-01-17 04:12:09
End at: 2018-01-17 04:12:39
Local clock offset: 0.882 ms
Remote clock offset: -0.671 ms

# Below is generated by plot.py at 2018-01-17 07:22:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 47.47 Mbit/s
95th percentile per-packet one-way delay: 118.833 ms
Loss rate: 45.88%
-- Flow 1:
Average throughput: 27.80 Mbit/s
95th percentile per-packet one-way delay: 123.476 ms
Loss rate: 54.33%
-- Flow 2:
Average throughput: 21.25 Mbit/s
95th percentile per-packet one-way delay: 117.180 ms
Loss rate: 30.15%
-- Flow 3:
Average throughput: 17.96 Mbit/s
95th percentile per-packet one-way delay: 116.436 ms
Loss rate: 16.64%
```

Run 4: Report of Verus — Data Link

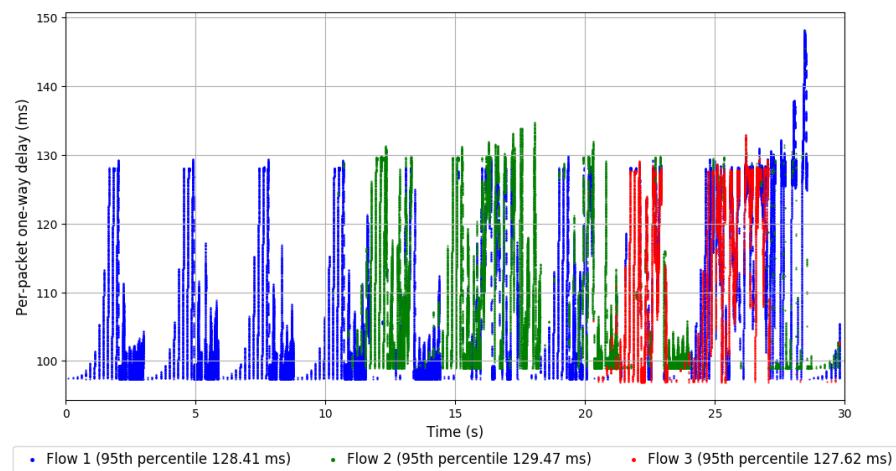
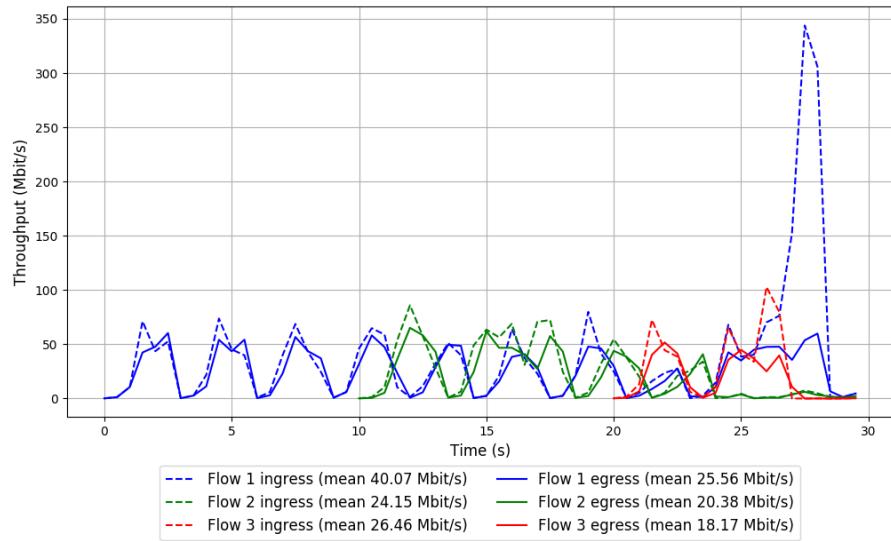


Run 5: Statistics of Verus

```
Start at: 2018-01-17 04:35:32
End at: 2018-01-17 04:36:02
Local clock offset: 0.801 ms
Remote clock offset: 9.929 ms

# Below is generated by plot.py at 2018-01-17 07:22:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.94 Mbit/s
95th percentile per-packet one-way delay: 128.896 ms
Loss rate: 30.49%
-- Flow 1:
Average throughput: 25.56 Mbit/s
95th percentile per-packet one-way delay: 128.405 ms
Loss rate: 36.20%
-- Flow 2:
Average throughput: 20.38 Mbit/s
95th percentile per-packet one-way delay: 129.474 ms
Loss rate: 15.61%
-- Flow 3:
Average throughput: 18.17 Mbit/s
95th percentile per-packet one-way delay: 127.616 ms
Loss rate: 31.50%
```

Run 5: Report of Verus — Data Link

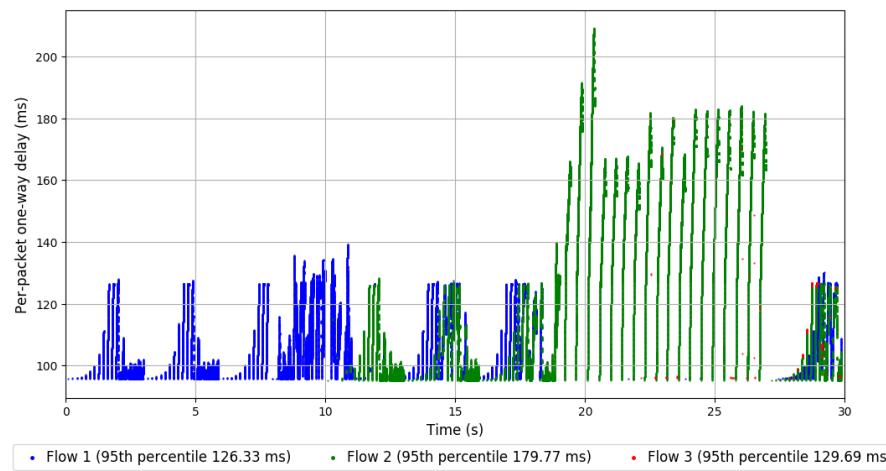
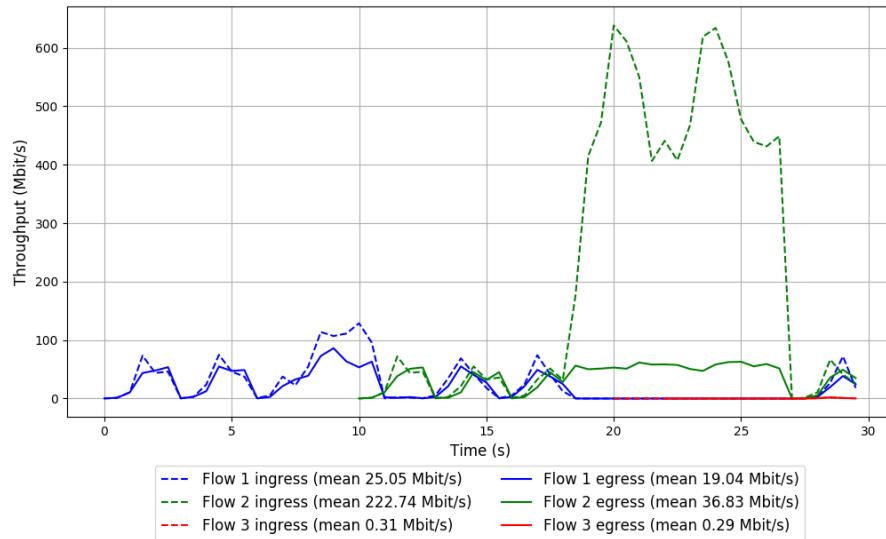


Run 6: Statistics of Verus

```
Start at: 2018-01-17 04:58:56
End at: 2018-01-17 04:59:26
Local clock offset: 0.72 ms
Remote clock offset: 8.305 ms

# Below is generated by plot.py at 2018-01-17 07:22:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.57 Mbit/s
95th percentile per-packet one-way delay: 174.940 ms
Loss rate: 74.81%
-- Flow 1:
Average throughput: 19.04 Mbit/s
95th percentile per-packet one-way delay: 126.330 ms
Loss rate: 23.97%
-- Flow 2:
Average throughput: 36.83 Mbit/s
95th percentile per-packet one-way delay: 179.771 ms
Loss rate: 83.46%
-- Flow 3:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 129.693 ms
Loss rate: 25.79%
```

## Run 6: Report of Verus — Data Link

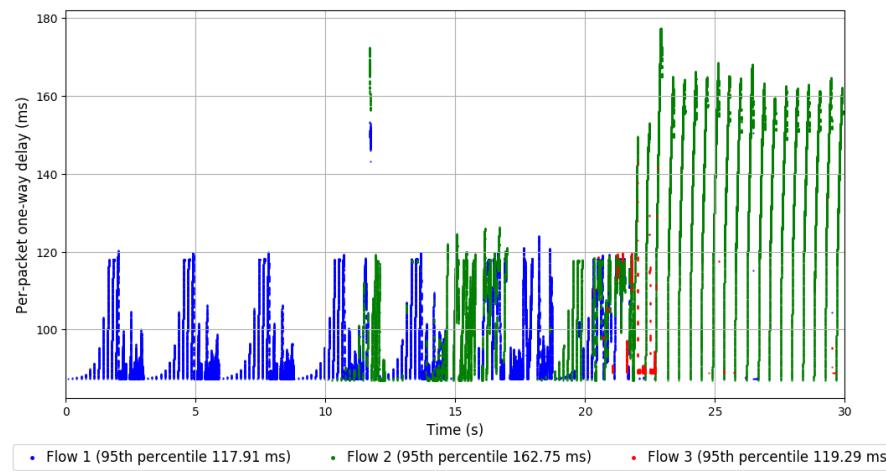
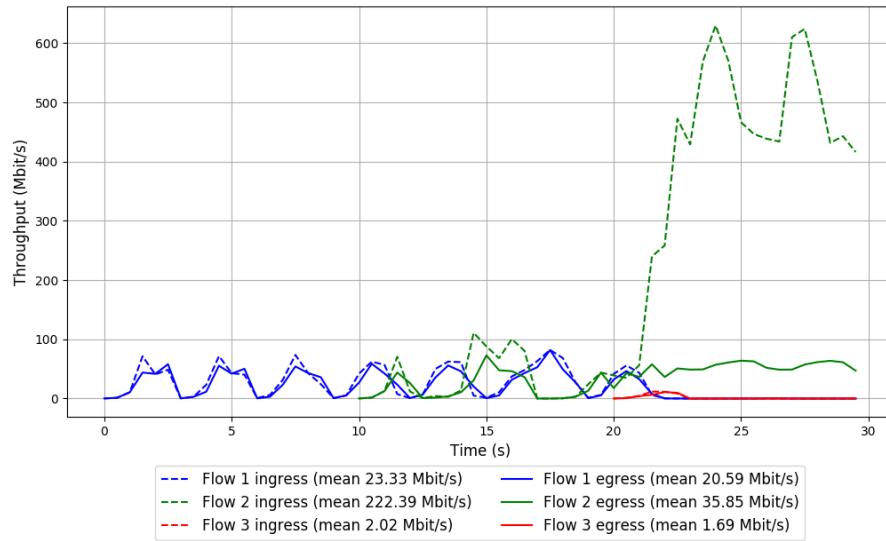


Run 7: Statistics of Verus

```
Start at: 2018-01-17 05:22:15
End at: 2018-01-17 05:22:45
Local clock offset: 0.709 ms
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2018-01-17 07:22:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 44.77 Mbit/s
95th percentile per-packet one-way delay: 160.174 ms
Loss rate: 73.84%
-- Flow 1:
Average throughput: 20.59 Mbit/s
95th percentile per-packet one-way delay: 117.908 ms
Loss rate: 12.26%
-- Flow 2:
Average throughput: 35.85 Mbit/s
95th percentile per-packet one-way delay: 162.747 ms
Loss rate: 83.83%
-- Flow 3:
Average throughput: 1.69 Mbit/s
95th percentile per-packet one-way delay: 119.291 ms
Loss rate: 17.36%
```

## Run 7: Report of Verus — Data Link

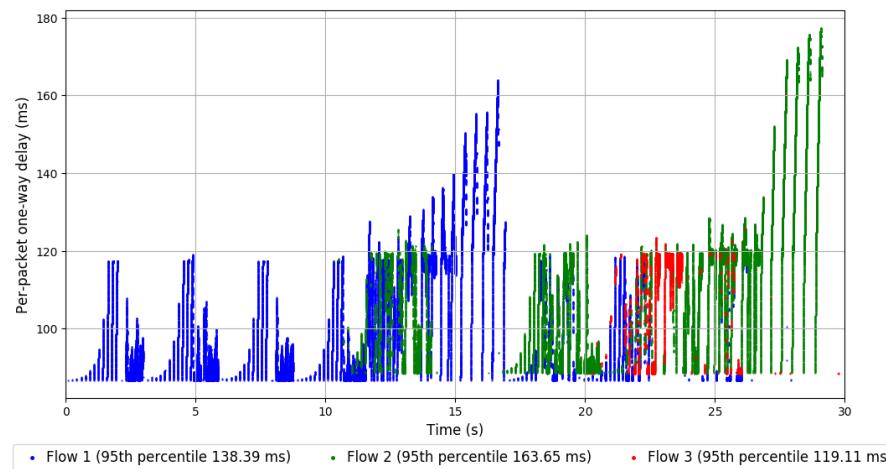
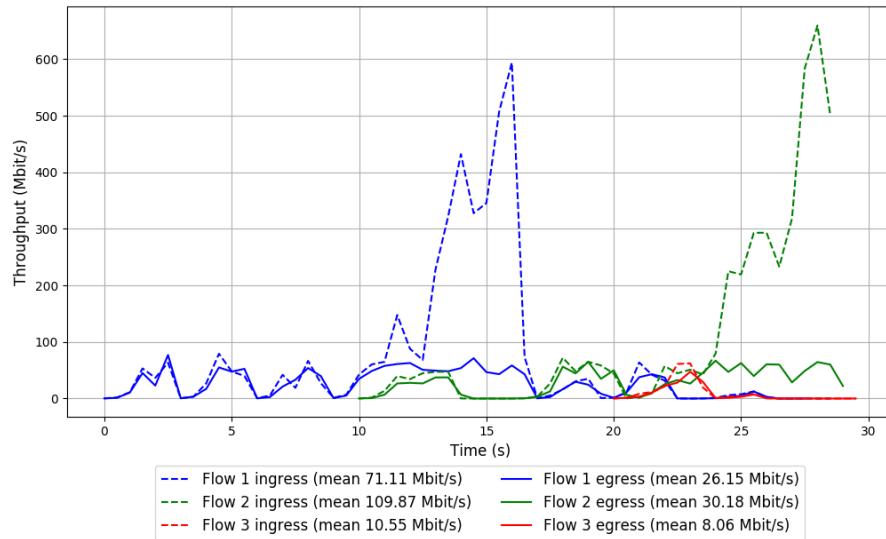


Run 8: Statistics of Verus

```
Start at: 2018-01-17 05:45:38
End at: 2018-01-17 05:46:08
Local clock offset: 0.603 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-01-17 07:22:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 46.50 Mbit/s
95th percentile per-packet one-way delay: 147.001 ms
Loss rate: 67.42%
-- Flow 1:
Average throughput: 26.15 Mbit/s
95th percentile per-packet one-way delay: 138.391 ms
Loss rate: 64.49%
-- Flow 2:
Average throughput: 30.18 Mbit/s
95th percentile per-packet one-way delay: 163.648 ms
Loss rate: 72.44%
-- Flow 3:
Average throughput: 8.06 Mbit/s
95th percentile per-packet one-way delay: 119.114 ms
Loss rate: 23.58%
```

Run 8: Report of Verus — Data Link

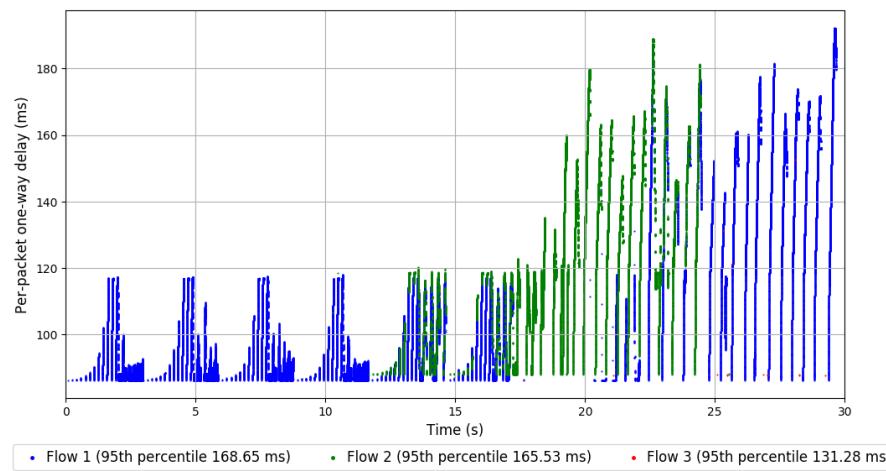
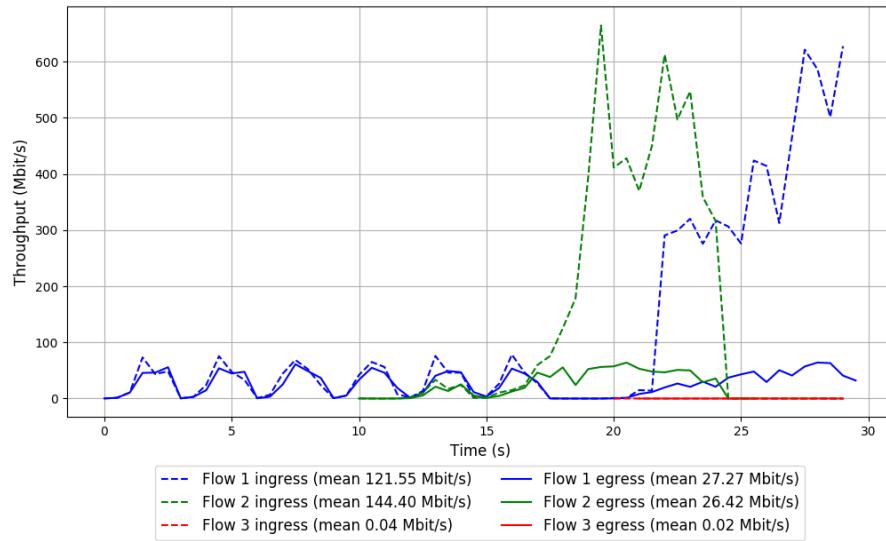


Run 9: Statistics of Verus

```
Start at: 2018-01-17 06:08:57
End at: 2018-01-17 06:09:27
Local clock offset: 0.705 ms
Remote clock offset: -0.325 ms

# Below is generated by plot.py at 2018-01-17 07:22:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 41.08 Mbit/s
95th percentile per-packet one-way delay: 167.747 ms
Loss rate: 81.01%
-- Flow 1:
Average throughput: 27.27 Mbit/s
95th percentile per-packet one-way delay: 168.648 ms
Loss rate: 77.49%
-- Flow 2:
Average throughput: 26.42 Mbit/s
95th percentile per-packet one-way delay: 165.535 ms
Loss rate: 85.49%
-- Flow 3:
Average throughput: 0.02 Mbit/s
95th percentile per-packet one-way delay: 131.276 ms
Loss rate: 60.61%
```

Run 9: Report of Verus — Data Link

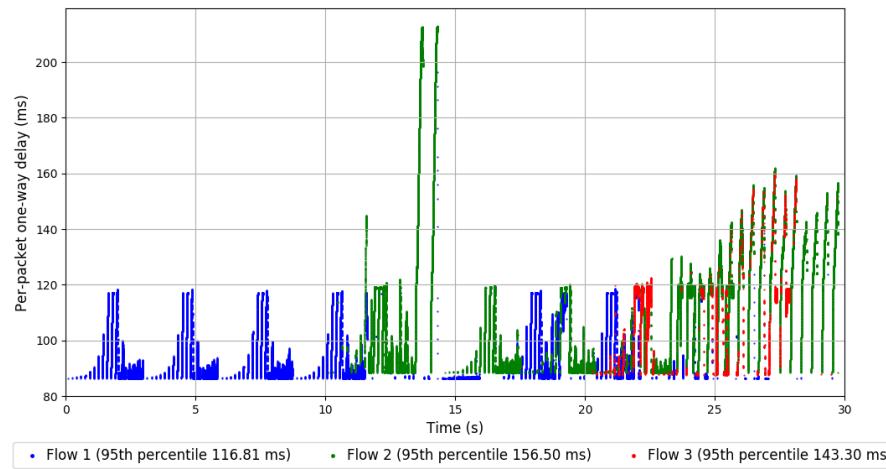
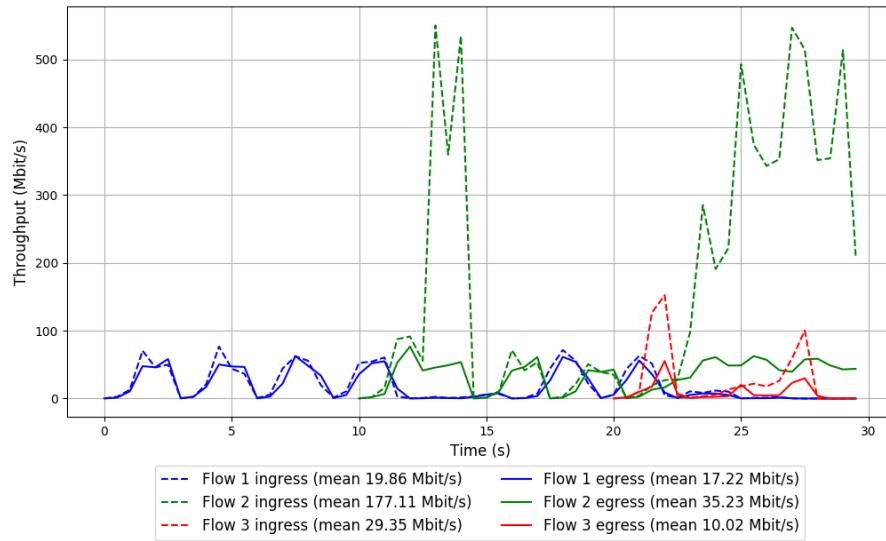


Run 10: Statistics of Verus

```
Start at: 2018-01-17 06:32:28
End at: 2018-01-17 06:32:58
Local clock offset: 0.684 ms
Remote clock offset: 0.35 ms

# Below is generated by plot.py at 2018-01-17 07:22:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 43.78 Mbit/s
95th percentile per-packet one-way delay: 147.423 ms
Loss rate: 70.12%
-- Flow 1:
Average throughput: 17.22 Mbit/s
95th percentile per-packet one-way delay: 116.811 ms
Loss rate: 13.07%
-- Flow 2:
Average throughput: 35.23 Mbit/s
95th percentile per-packet one-way delay: 156.495 ms
Loss rate: 80.11%
-- Flow 3:
Average throughput: 10.02 Mbit/s
95th percentile per-packet one-way delay: 143.298 ms
Loss rate: 65.65%
```

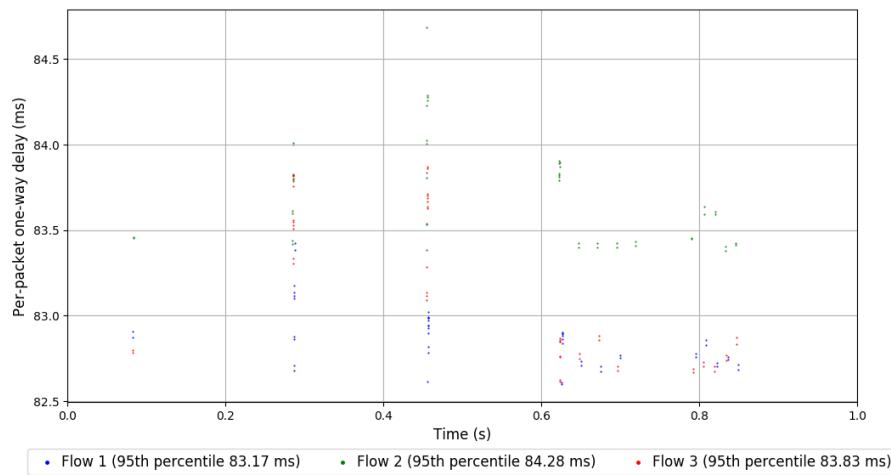
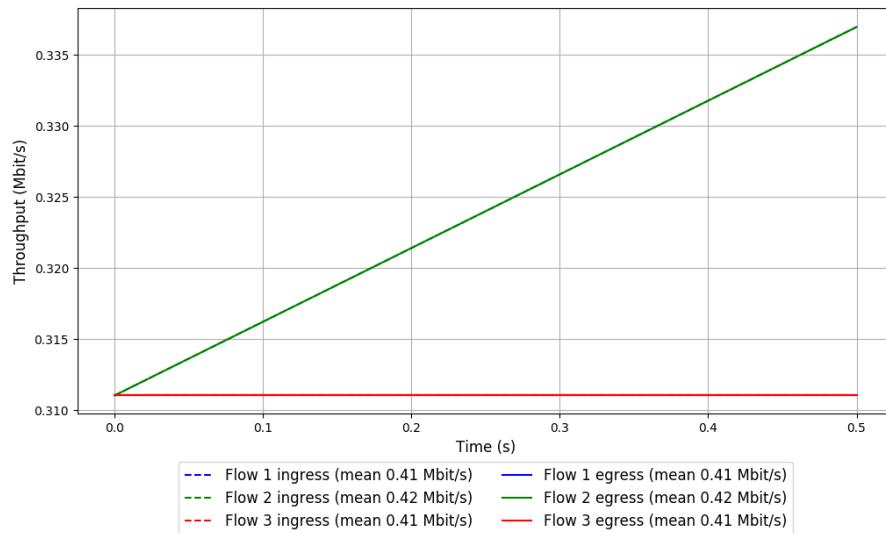
Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-01-17 03:08:50  
End at: 2018-01-17 03:09:20  
Local clock offset: 1.088 ms  
Remote clock offset: -5.323 ms

## Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

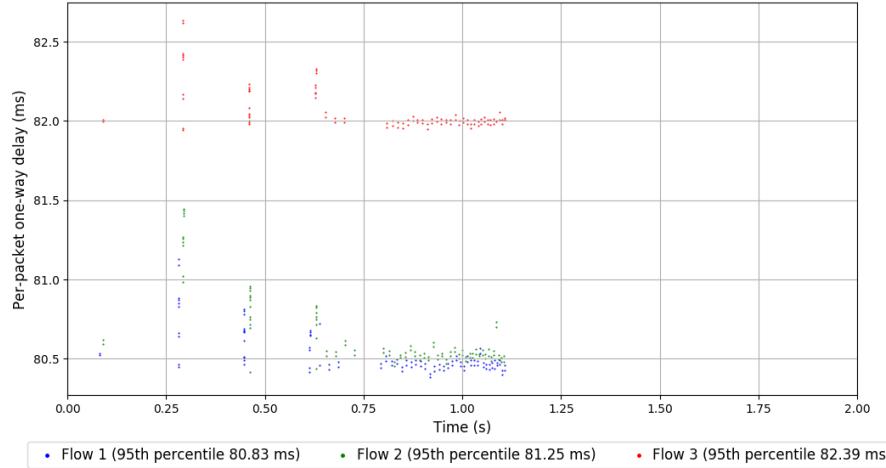
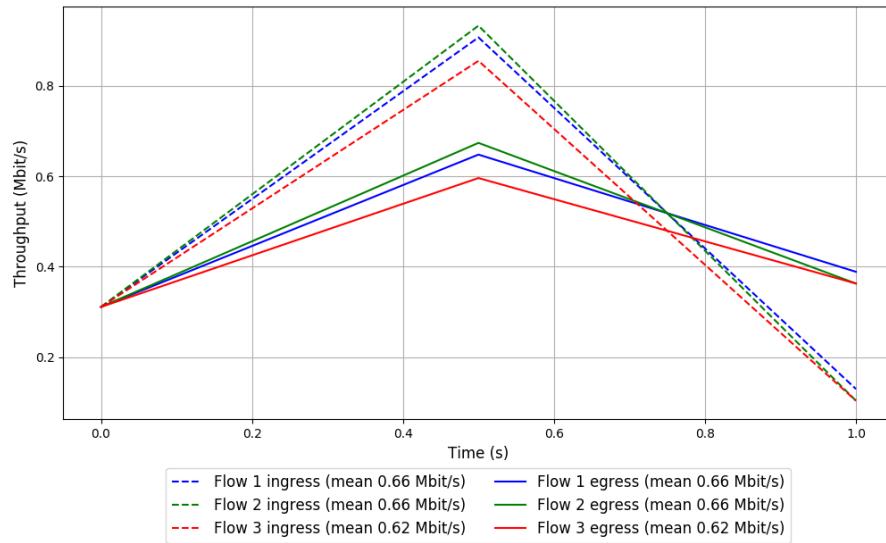
Start at: 2018-01-17 03:32:03

End at: 2018-01-17 03:32:33

Local clock offset: 0.986 ms

Remote clock offset: -6.75 ms

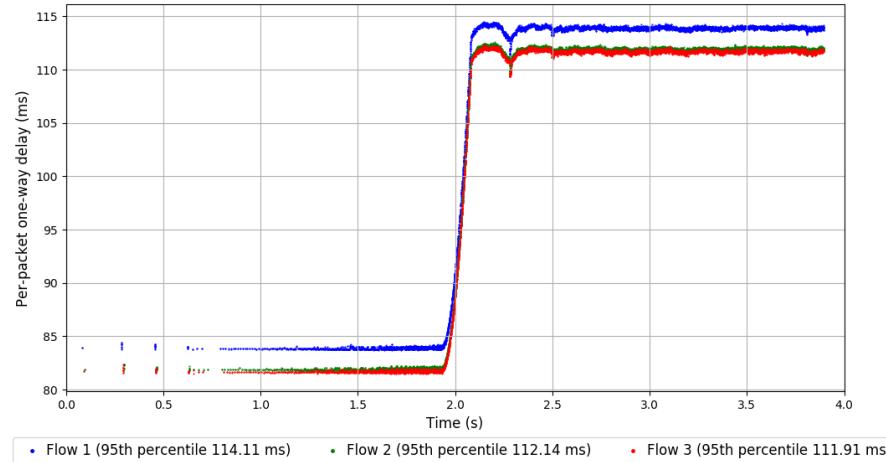
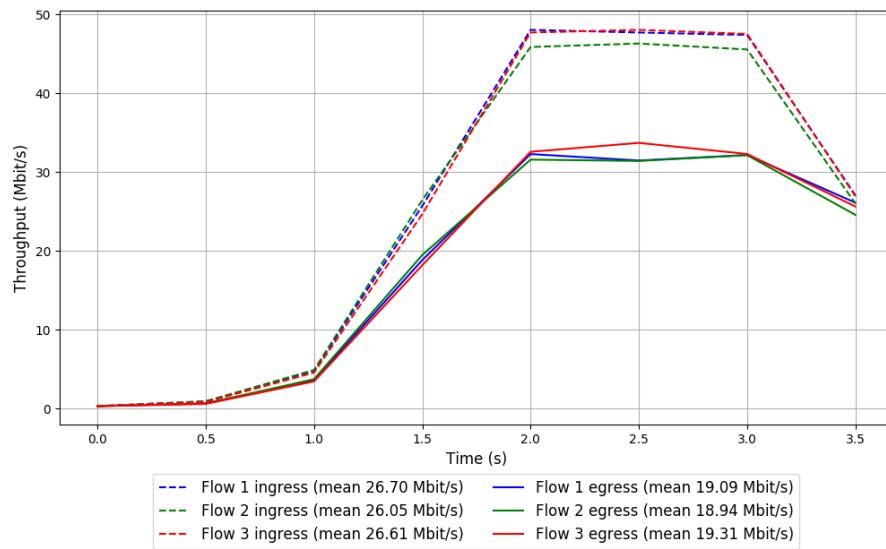
Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2018-01-17 03:55:21  
End at: 2018-01-17 03:55:51  
Local clock offset: 0.867 ms  
Remote clock offset: -5.777 ms

Run 3: Report of Copa — Data Link

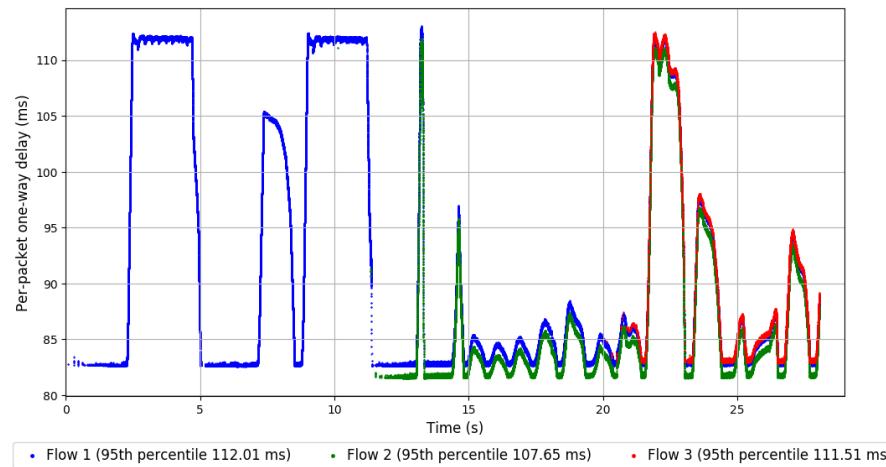
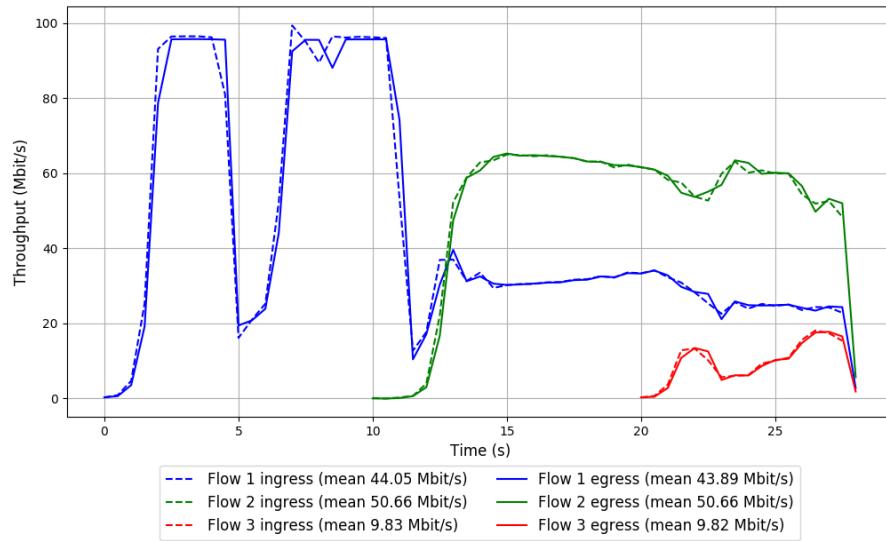


Run 4: Statistics of Copa

```
Start at: 2018-01-17 04:18:32
End at: 2018-01-17 04:19:02
Local clock offset: 0.871 ms
Remote clock offset: -5.546 ms

# Below is generated by plot.py at 2018-01-17 07:23:49
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.12 Mbit/s
95th percentile per-packet one-way delay: 111.961 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 43.89 Mbit/s
95th percentile per-packet one-way delay: 112.012 ms
Loss rate: 0.34%
-- Flow 2:
Average throughput: 50.66 Mbit/s
95th percentile per-packet one-way delay: 107.647 ms
Loss rate: 0.13%
-- Flow 3:
Average throughput: 9.82 Mbit/s
95th percentile per-packet one-way delay: 111.512 ms
Loss rate: 0.06%
```

Run 4: Report of Copa — Data Link

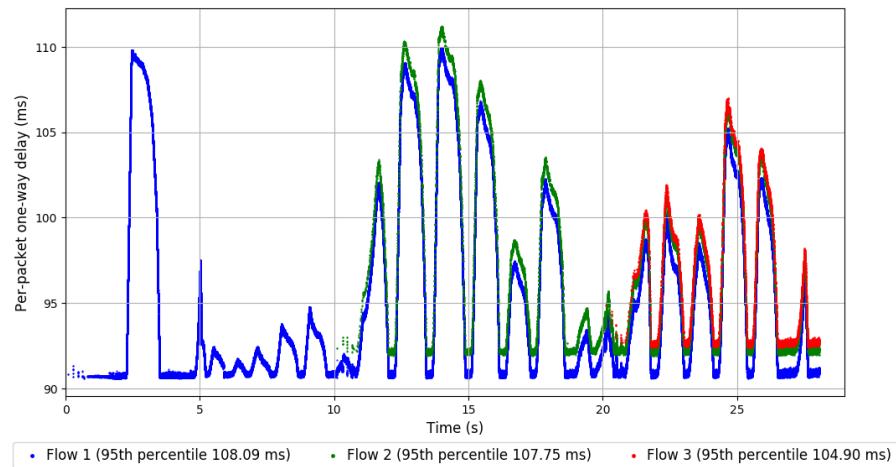
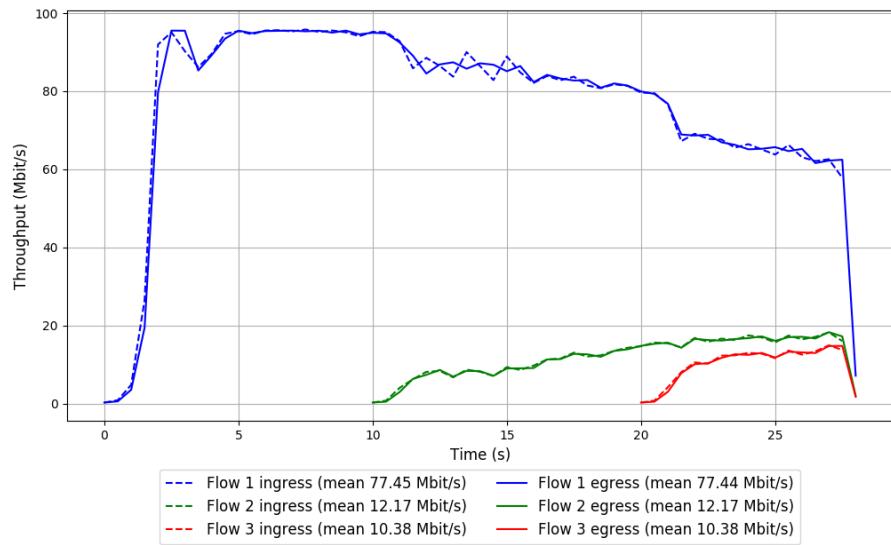


Run 5: Statistics of Copa

```
Start at: 2018-01-17 04:41:55
End at: 2018-01-17 04:42:25
Local clock offset: 0.791 ms
Remote clock offset: 3.325 ms

# Below is generated by plot.py at 2018-01-17 07:24:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.19 Mbit/s
95th percentile per-packet one-way delay: 108.028 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.44 Mbit/s
95th percentile per-packet one-way delay: 108.095 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 12.17 Mbit/s
95th percentile per-packet one-way delay: 107.753 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 10.38 Mbit/s
95th percentile per-packet one-way delay: 104.899 ms
Loss rate: 0.00%
```

Run 5: Report of Copa — Data Link

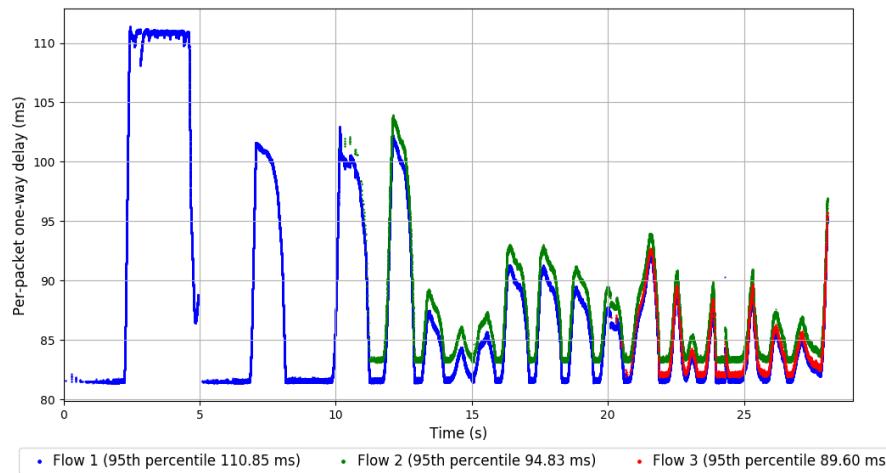
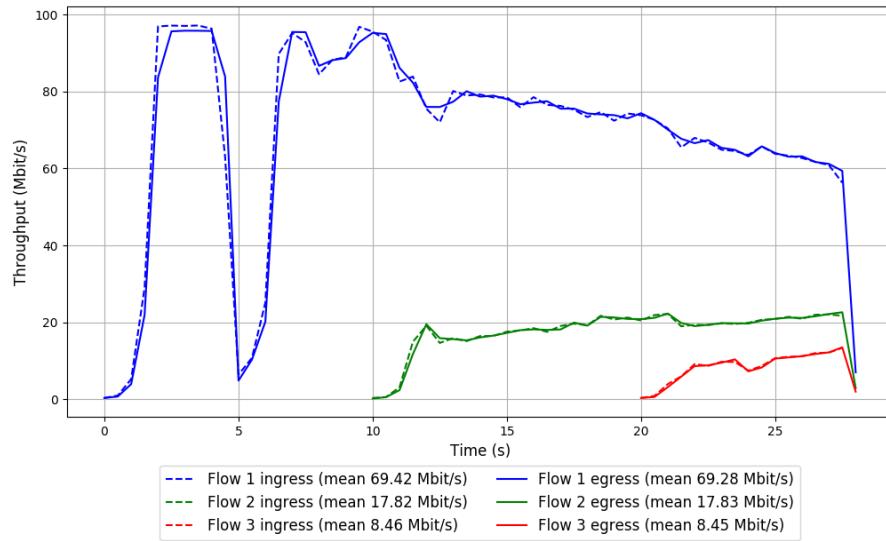


Run 6: Statistics of Copa

```
Start at: 2018-01-17 05:05:19
End at: 2018-01-17 05:05:49
Local clock offset: 0.659 ms
Remote clock offset: -5.356 ms

# Below is generated by plot.py at 2018-01-17 07:24:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 83.12 Mbit/s
95th percentile per-packet one-way delay: 110.808 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 110.848 ms
Loss rate: 0.15%
-- Flow 2:
Average throughput: 17.83 Mbit/s
95th percentile per-packet one-way delay: 94.825 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.45 Mbit/s
95th percentile per-packet one-way delay: 89.598 ms
Loss rate: 0.00%
```

Run 6: Report of Copa — Data Link

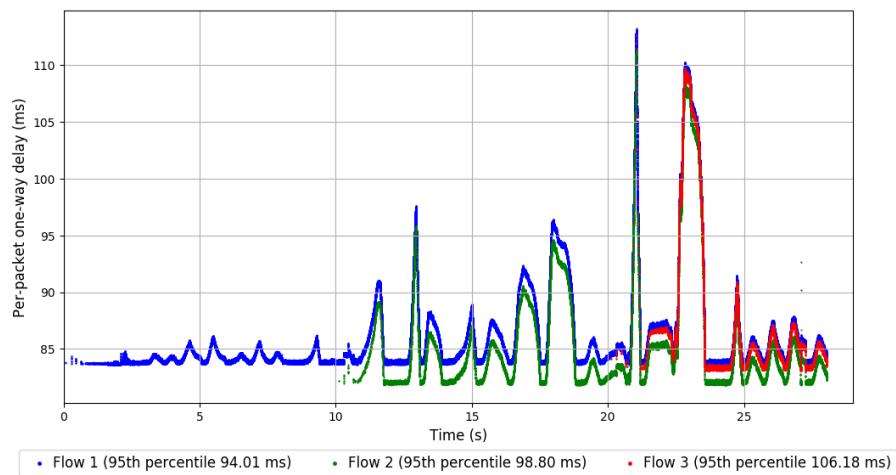
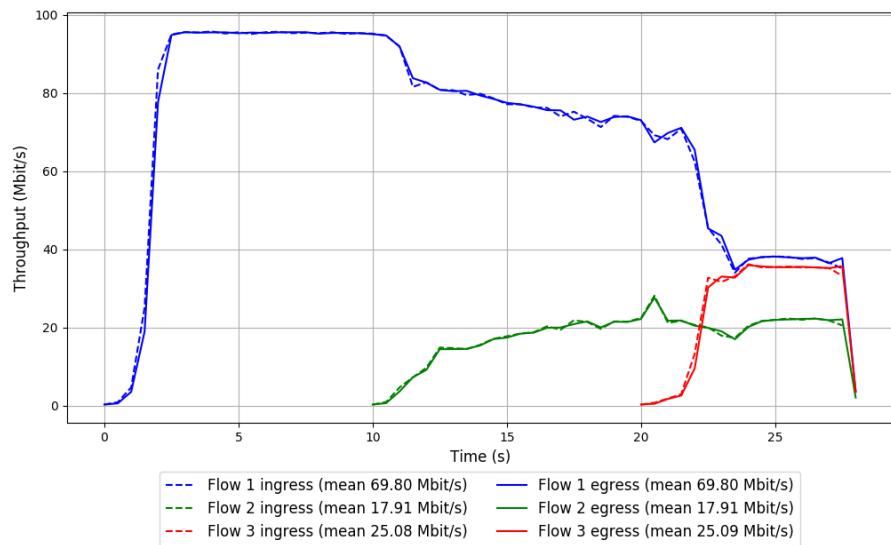


Run 7: Statistics of Copa

```
Start at: 2018-01-17 05:28:40
End at: 2018-01-17 05:29:10
Local clock offset: 0.632 ms
Remote clock offset: -5.924 ms

# Below is generated by plot.py at 2018-01-17 07:24:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.42 Mbit/s
95th percentile per-packet one-way delay: 94.859 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 69.80 Mbit/s
95th percentile per-packet one-way delay: 94.014 ms
Loss rate: 0.01%
-- Flow 2:
Average throughput: 17.91 Mbit/s
95th percentile per-packet one-way delay: 98.802 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 25.09 Mbit/s
95th percentile per-packet one-way delay: 106.179 ms
Loss rate: 0.01%
```

Run 7: Report of Copa — Data Link

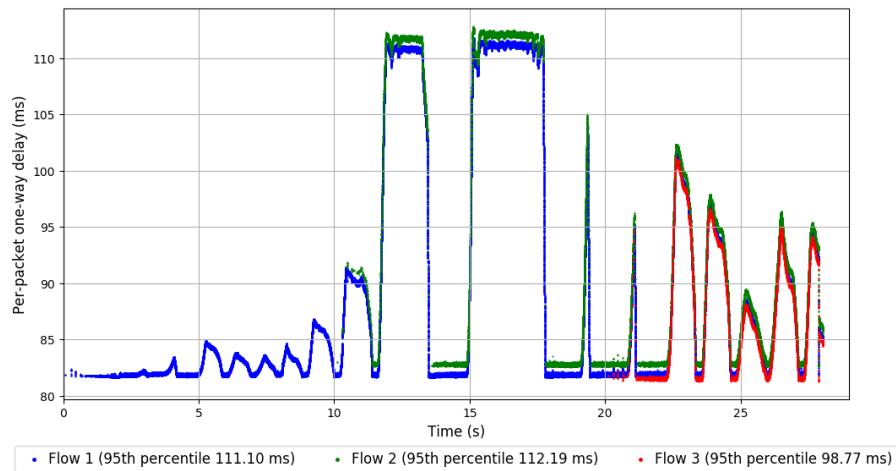
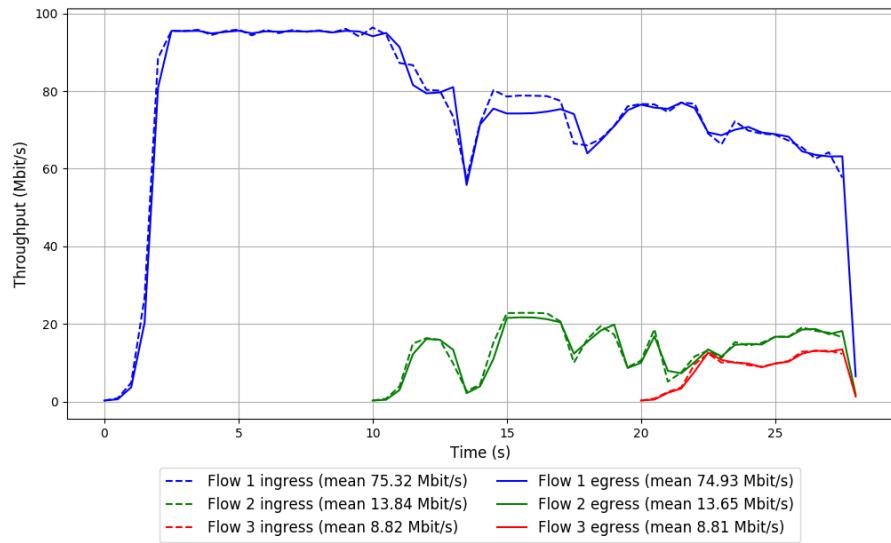


Run 8: Statistics of Copa

```
Start at: 2018-01-17 05:52:02
End at: 2018-01-17 05:52:32
Local clock offset: 0.671 ms
Remote clock offset: -5.495 ms

# Below is generated by plot.py at 2018-01-17 07:24:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 86.19 Mbit/s
95th percentile per-packet one-way delay: 111.217 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 74.93 Mbit/s
95th percentile per-packet one-way delay: 111.103 ms
Loss rate: 0.51%
-- Flow 2:
Average throughput: 13.65 Mbit/s
95th percentile per-packet one-way delay: 112.187 ms
Loss rate: 1.34%
-- Flow 3:
Average throughput: 8.81 Mbit/s
95th percentile per-packet one-way delay: 98.768 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

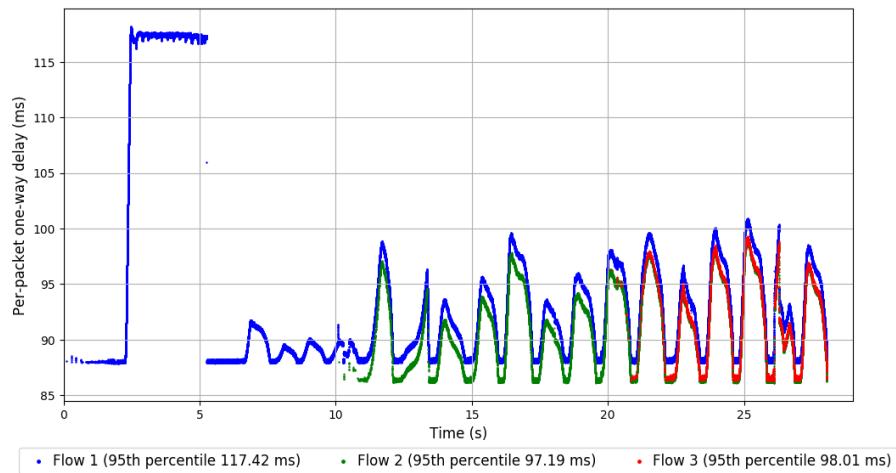
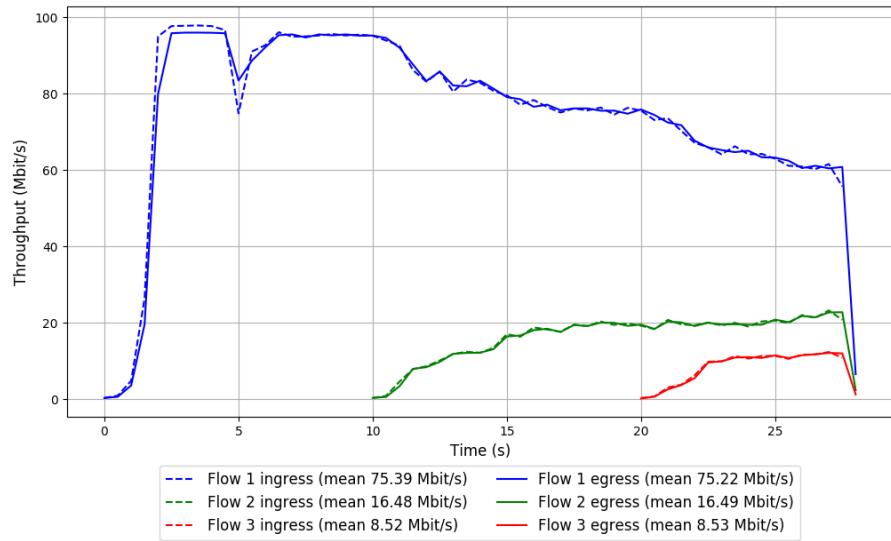


Run 9: Statistics of Copa

```
Start at: 2018-01-17 06:15:32
End at: 2018-01-17 06:16:02
Local clock offset: 0.718 ms
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2018-01-17 07:24:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 88.23 Mbit/s
95th percentile per-packet one-way delay: 117.394 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 75.22 Mbit/s
95th percentile per-packet one-way delay: 117.419 ms
Loss rate: 0.22%
-- Flow 2:
Average throughput: 16.49 Mbit/s
95th percentile per-packet one-way delay: 97.185 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 8.53 Mbit/s
95th percentile per-packet one-way delay: 98.011 ms
Loss rate: 0.00%
```

### Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

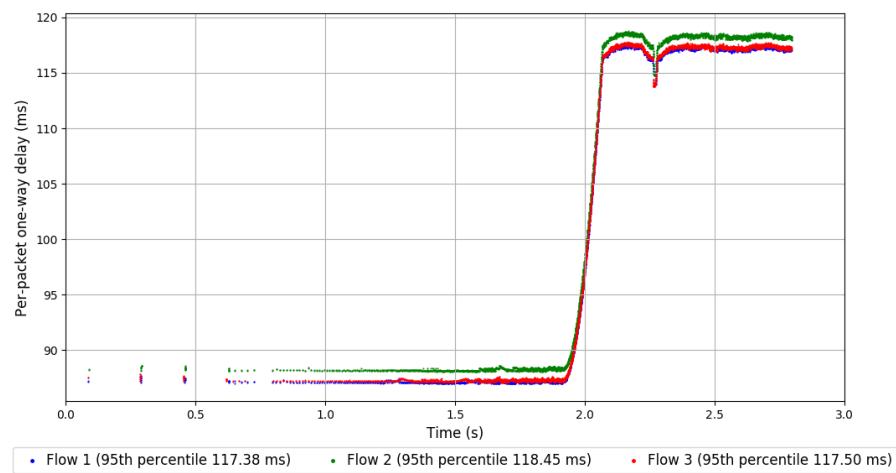
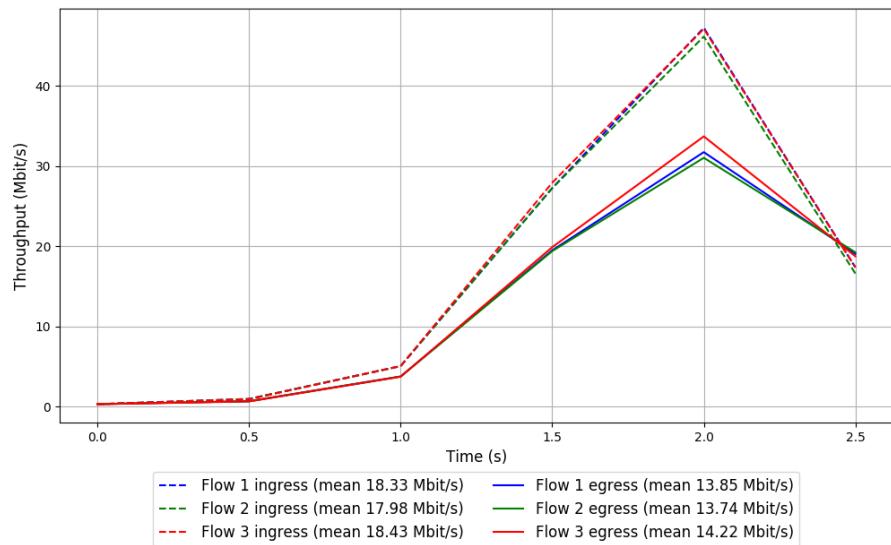
Start at: 2018-01-17 06:38:52

End at: 2018-01-17 06:39:22

Local clock offset: 0.546 ms

Remote clock offset: 0.747 ms

## Run 10: Report of Copa — Data Link

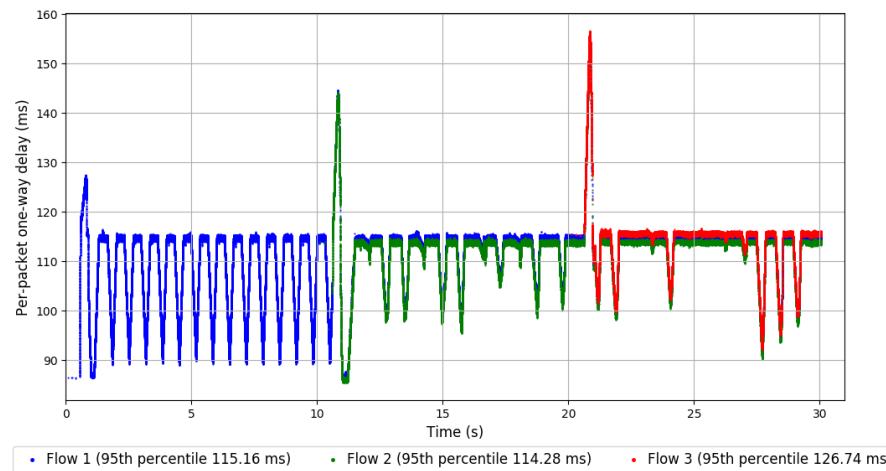
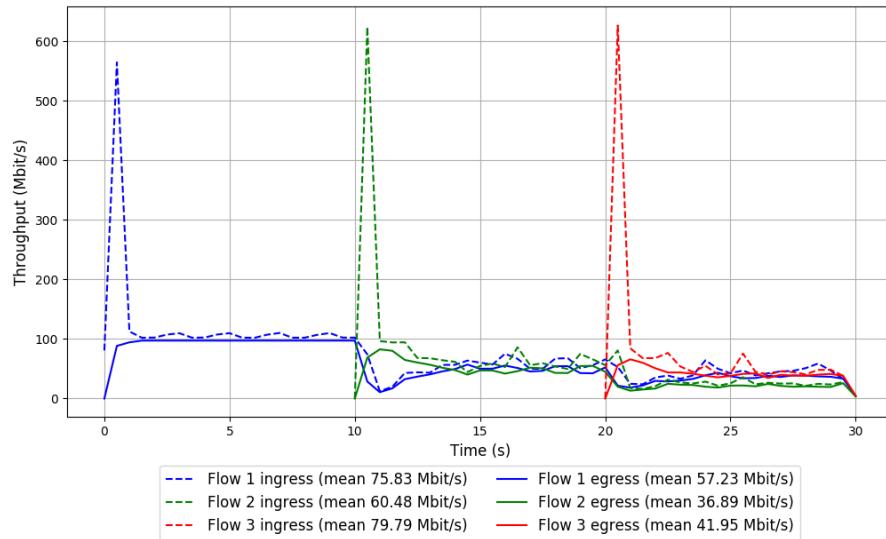


```
Run 1: Statistics of FillP

Start at: 2018-01-17 02:57:14
End at: 2018-01-17 02:57:44
Local clock offset: 1.032 ms
Remote clock offset: -0.214 ms

# Below is generated by plot.py at 2018-01-17 07:24:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 115.802 ms
Loss rate: 32.83%
-- Flow 1:
Average throughput: 57.23 Mbit/s
95th percentile per-packet one-way delay: 115.155 ms
Loss rate: 24.46%
-- Flow 2:
Average throughput: 36.89 Mbit/s
95th percentile per-packet one-way delay: 114.277 ms
Loss rate: 39.01%
-- Flow 3:
Average throughput: 41.95 Mbit/s
95th percentile per-packet one-way delay: 126.743 ms
Loss rate: 47.42%
```

Run 1: Report of FillP — Data Link

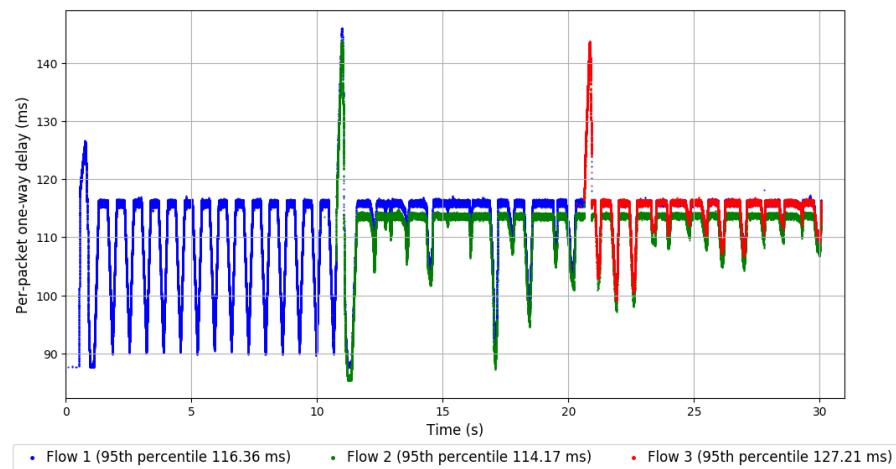
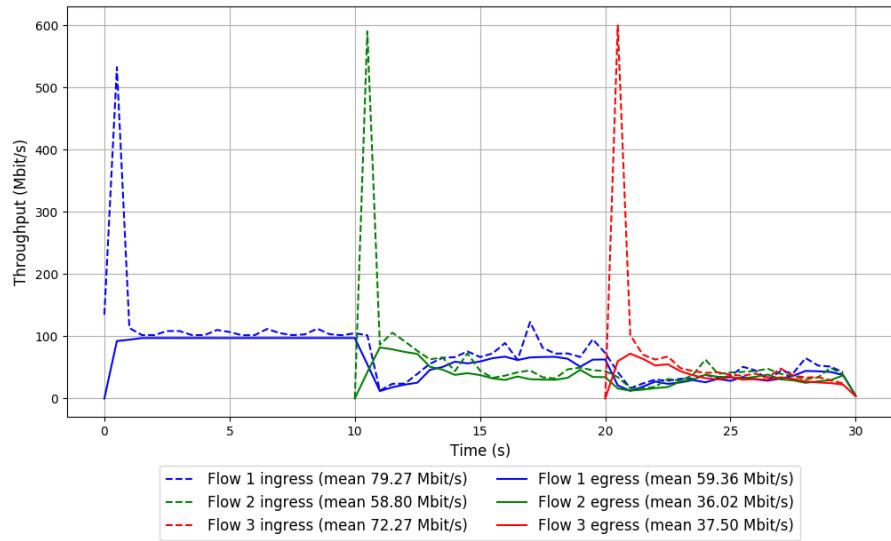


Run 2: Statistics of FillP

```
Start at: 2018-01-17 03:20:26
End at: 2018-01-17 03:20:56
Local clock offset: 1.064 ms
Remote clock offset: -0.705 ms

# Below is generated by plot.py at 2018-01-17 07:24:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 116.375 ms
Loss rate: 32.69%
-- Flow 1:
Average throughput: 59.36 Mbit/s
95th percentile per-packet one-way delay: 116.359 ms
Loss rate: 25.05%
-- Flow 2:
Average throughput: 36.02 Mbit/s
95th percentile per-packet one-way delay: 114.166 ms
Loss rate: 38.74%
-- Flow 3:
Average throughput: 37.50 Mbit/s
95th percentile per-packet one-way delay: 127.211 ms
Loss rate: 48.05%
```

Run 2: Report of FillP — Data Link

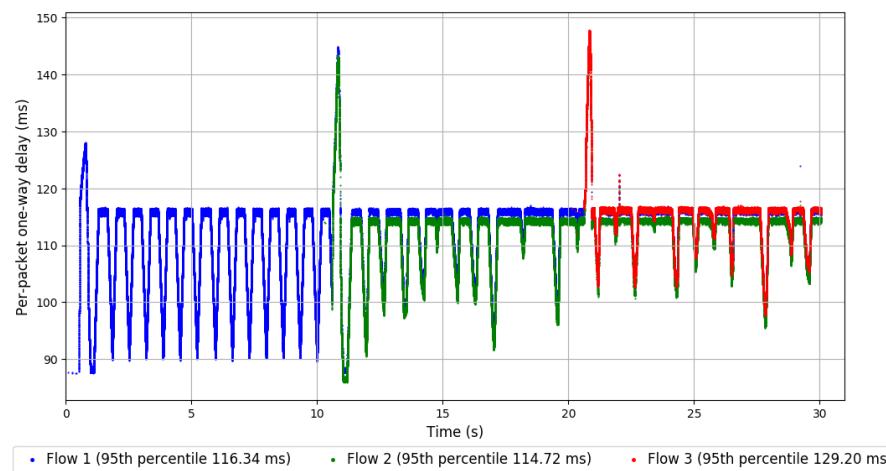
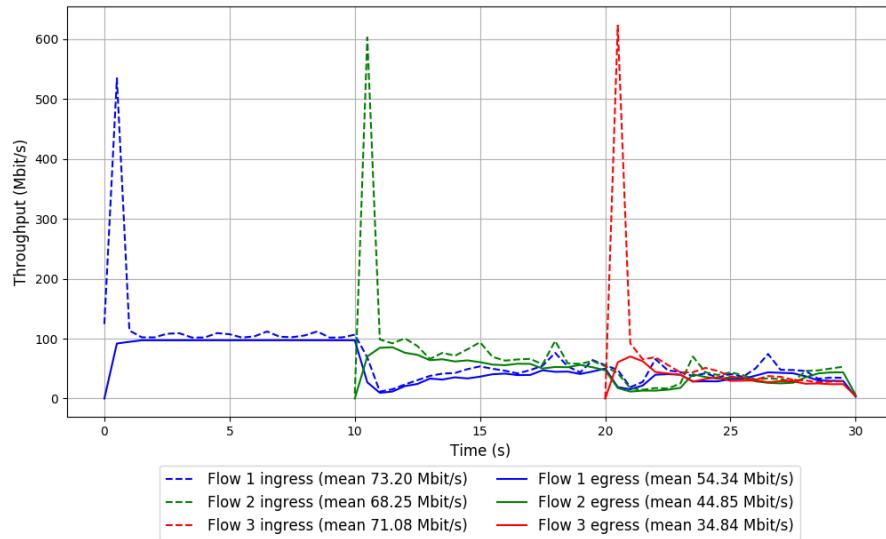


Run 3: Statistics of FillP

```
Start at: 2018-01-17 03:43:42
End at: 2018-01-17 03:44:12
Local clock offset: 0.952 ms
Remote clock offset: -1.266 ms

# Below is generated by plot.py at 2018-01-17 07:25:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.73 Mbit/s
95th percentile per-packet one-way delay: 116.450 ms
Loss rate: 32.62%
-- Flow 1:
Average throughput: 54.34 Mbit/s
95th percentile per-packet one-way delay: 116.343 ms
Loss rate: 25.69%
-- Flow 2:
Average throughput: 44.85 Mbit/s
95th percentile per-packet one-way delay: 114.720 ms
Loss rate: 34.26%
-- Flow 3:
Average throughput: 34.84 Mbit/s
95th percentile per-packet one-way delay: 129.197 ms
Loss rate: 50.98%
```

Run 3: Report of FillP — Data Link

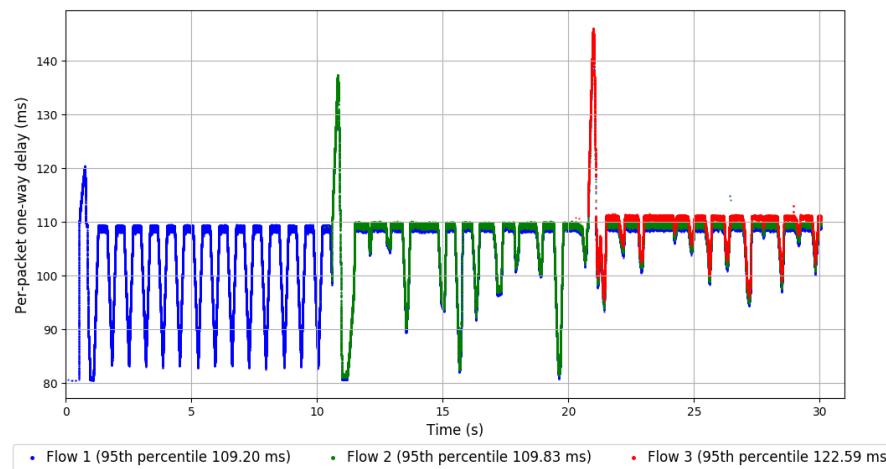
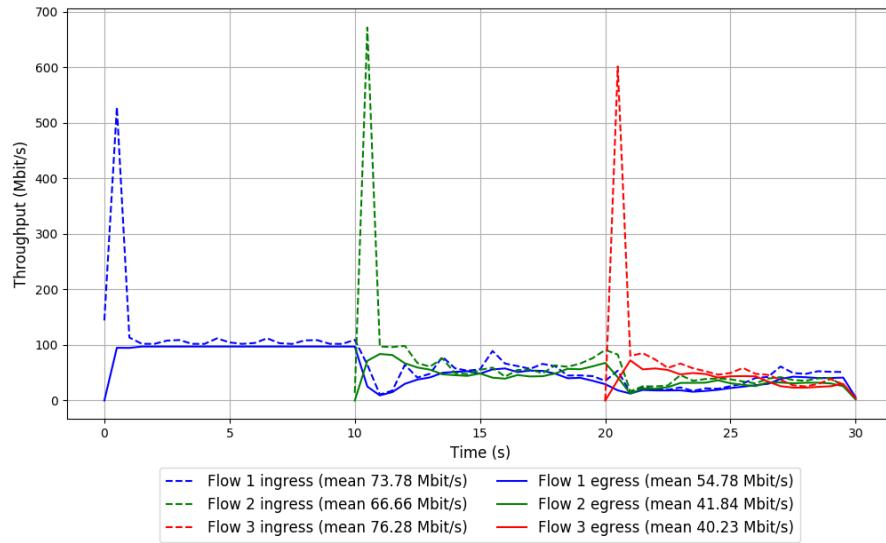


Run 4: Statistics of FillP

```
Start at: 2018-01-17 04:06:54
End at: 2018-01-17 04:07:24
Local clock offset: 0.884 ms
Remote clock offset: -6.331 ms

# Below is generated by plot.py at 2018-01-17 07:25:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.74 Mbit/s
95th percentile per-packet one-way delay: 110.959 ms
Loss rate: 33.18%
-- Flow 1:
Average throughput: 54.78 Mbit/s
95th percentile per-packet one-way delay: 109.203 ms
Loss rate: 25.68%
-- Flow 2:
Average throughput: 41.84 Mbit/s
95th percentile per-packet one-way delay: 109.833 ms
Loss rate: 37.18%
-- Flow 3:
Average throughput: 40.23 Mbit/s
95th percentile per-packet one-way delay: 122.592 ms
Loss rate: 48.06%
```

Run 4: Report of FillP — Data Link

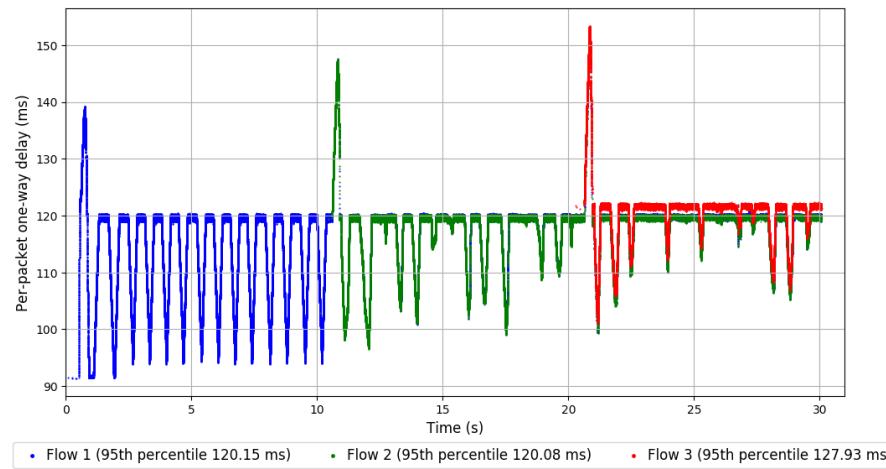
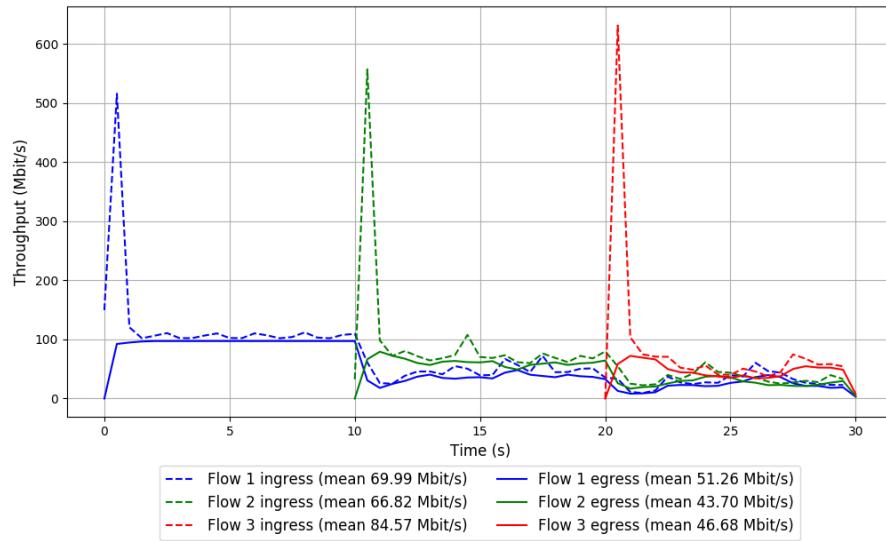


Run 5: Statistics of FillP

```
Start at: 2018-01-17 04:30:18
End at: 2018-01-17 04:30:48
Local clock offset: 0.824 ms
Remote clock offset: 4.485 ms

# Below is generated by plot.py at 2018-01-17 07:25:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 121.912 ms
Loss rate: 32.70%
-- Flow 1:
Average throughput: 51.26 Mbit/s
95th percentile per-packet one-way delay: 120.148 ms
Loss rate: 26.69%
-- Flow 2:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 120.078 ms
Loss rate: 34.55%
-- Flow 3:
Average throughput: 46.68 Mbit/s
95th percentile per-packet one-way delay: 127.932 ms
Loss rate: 44.79%
```

Run 5: Report of FillP — Data Link

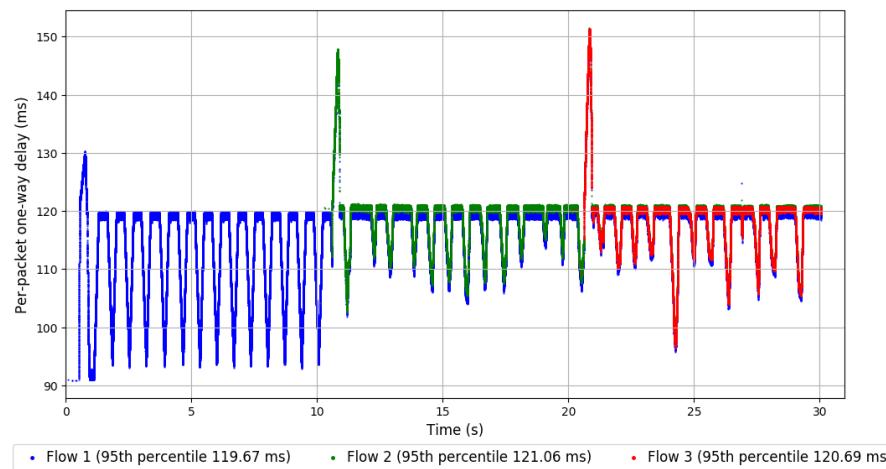
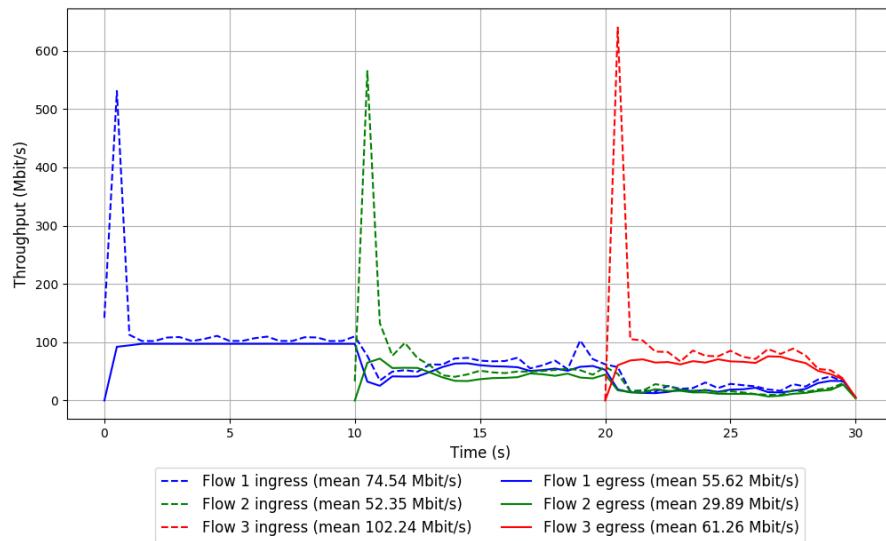


Run 6: Statistics of FillP

```
Start at: 2018-01-17 04:53:42
End at: 2018-01-17 04:54:12
Local clock offset: 0.734 ms
Remote clock offset: 3.428 ms

# Below is generated by plot.py at 2018-01-17 07:26:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.81 Mbit/s
95th percentile per-packet one-way delay: 120.865 ms
Loss rate: 33.07%
-- Flow 1:
Average throughput: 55.62 Mbit/s
95th percentile per-packet one-way delay: 119.665 ms
Loss rate: 25.31%
-- Flow 2:
Average throughput: 29.89 Mbit/s
95th percentile per-packet one-way delay: 121.056 ms
Loss rate: 42.87%
-- Flow 3:
Average throughput: 61.26 Mbit/s
95th percentile per-packet one-way delay: 120.692 ms
Loss rate: 40.08%
```

Run 6: Report of FillP — Data Link

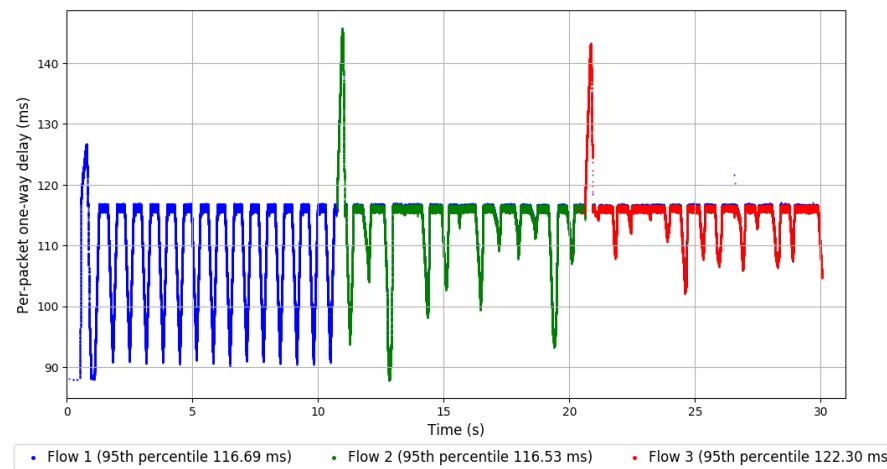
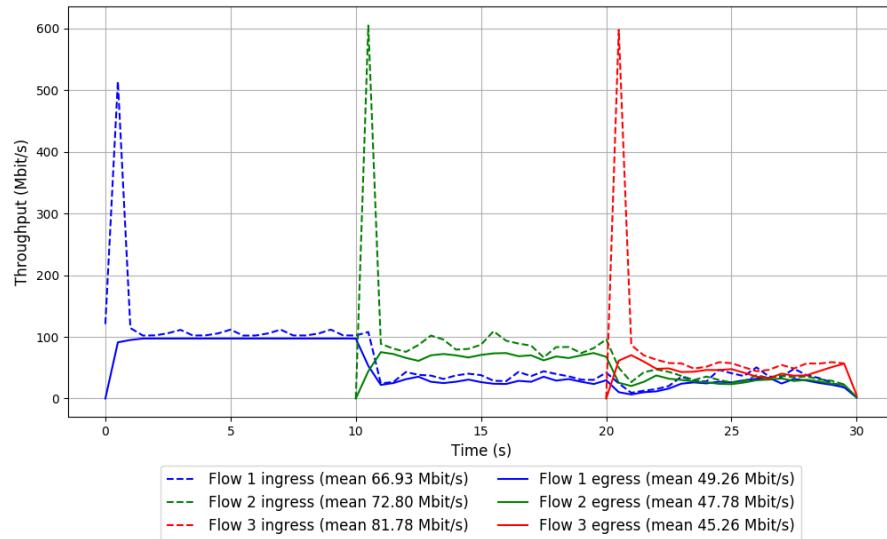


Run 7: Statistics of FillP

```
Start at: 2018-01-17 05:17:00
End at: 2018-01-17 05:17:30
Local clock offset: 0.732 ms
Remote clock offset: 0.617 ms

# Below is generated by plot.py at 2018-01-17 07:26:37
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 116.665 ms
Loss rate: 32.75%
-- Flow 1:
Average throughput: 49.26 Mbit/s
95th percentile per-packet one-way delay: 116.688 ms
Loss rate: 26.36%
-- Flow 2:
Average throughput: 47.78 Mbit/s
95th percentile per-packet one-way delay: 116.527 ms
Loss rate: 34.91%
-- Flow 3:
Average throughput: 45.26 Mbit/s
95th percentile per-packet one-way delay: 122.302 ms
Loss rate: 44.67%
```

Run 7: Report of FillP — Data Link

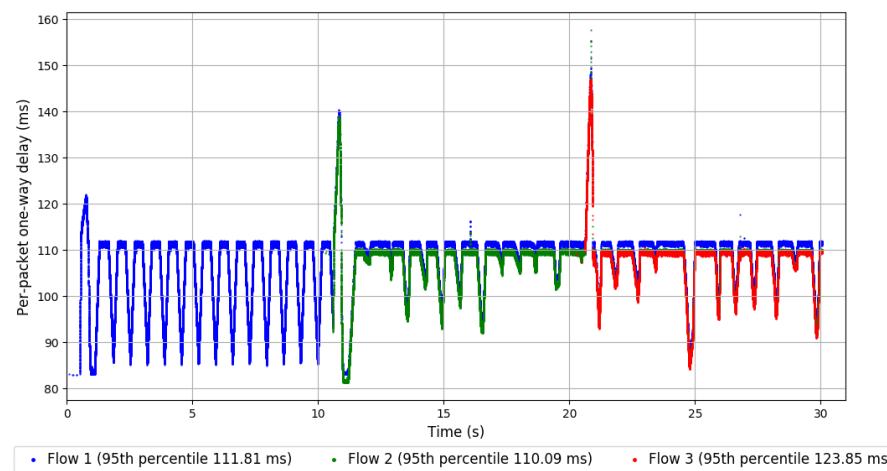
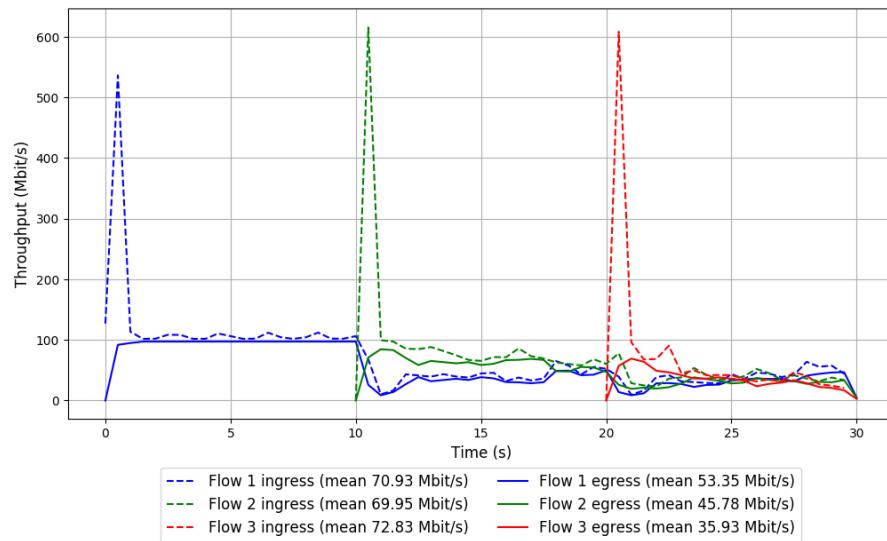


Run 8: Statistics of FillP

```
Start at: 2018-01-17 05:40:24
End at: 2018-01-17 05:40:54
Local clock offset: 0.666 ms
Remote clock offset: -5.585 ms

# Below is generated by plot.py at 2018-01-17 07:26:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.70 Mbit/s
95th percentile per-packet one-way delay: 111.799 ms
Loss rate: 32.37%
-- Flow 1:
Average throughput: 53.35 Mbit/s
95th percentile per-packet one-way delay: 111.814 ms
Loss rate: 24.72%
-- Flow 2:
Average throughput: 45.78 Mbit/s
95th percentile per-packet one-way delay: 110.091 ms
Loss rate: 34.54%
-- Flow 3:
Average throughput: 35.93 Mbit/s
95th percentile per-packet one-way delay: 123.848 ms
Loss rate: 50.66%
```

Run 8: Report of FillP — Data Link

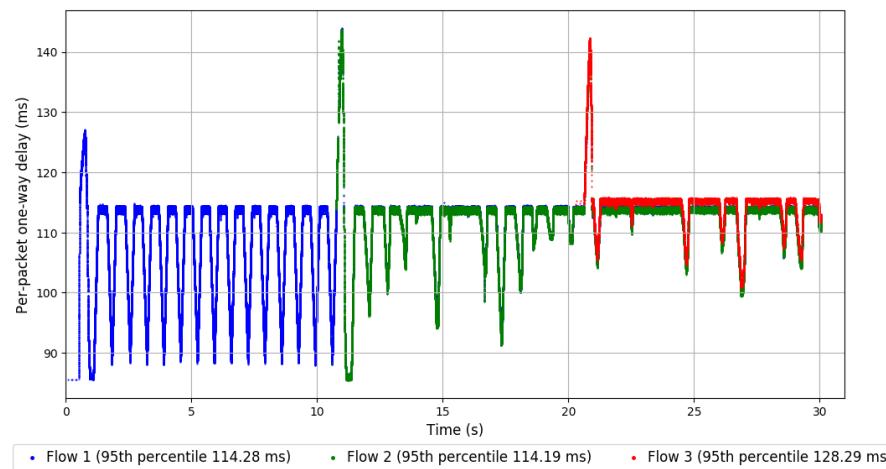
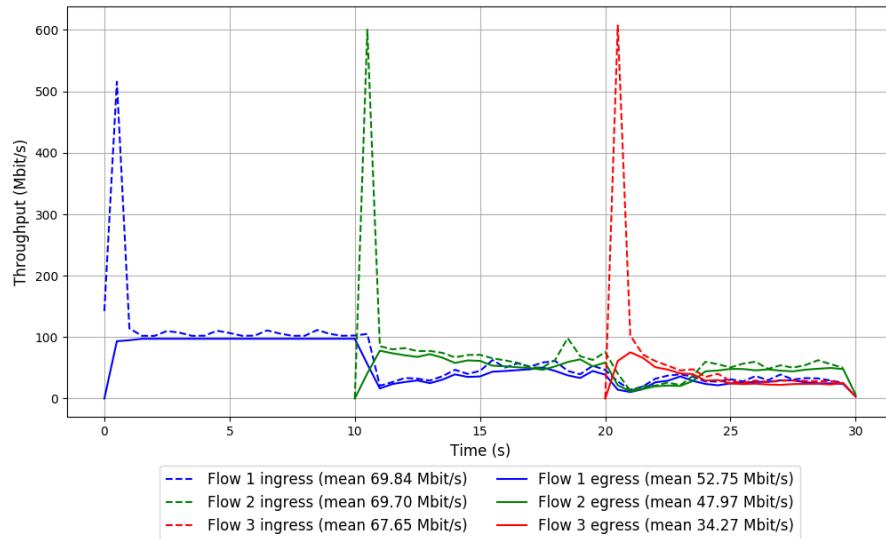


Run 9: Statistics of FillP

```
Start at: 2018-01-17 06:03:44
End at: 2018-01-17 06:04:14
Local clock offset: 0.628 ms
Remote clock offset: -1.305 ms

# Below is generated by plot.py at 2018-01-17 07:26:42
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 115.450 ms
Loss rate: 30.88%
-- Flow 1:
Average throughput: 52.75 Mbit/s
95th percentile per-packet one-way delay: 114.281 ms
Loss rate: 24.41%
-- Flow 2:
Average throughput: 47.97 Mbit/s
95th percentile per-packet one-way delay: 114.186 ms
Loss rate: 31.71%
-- Flow 3:
Average throughput: 34.27 Mbit/s
95th percentile per-packet one-way delay: 128.288 ms
Loss rate: 49.33%
```

Run 9: Report of FillP — Data Link

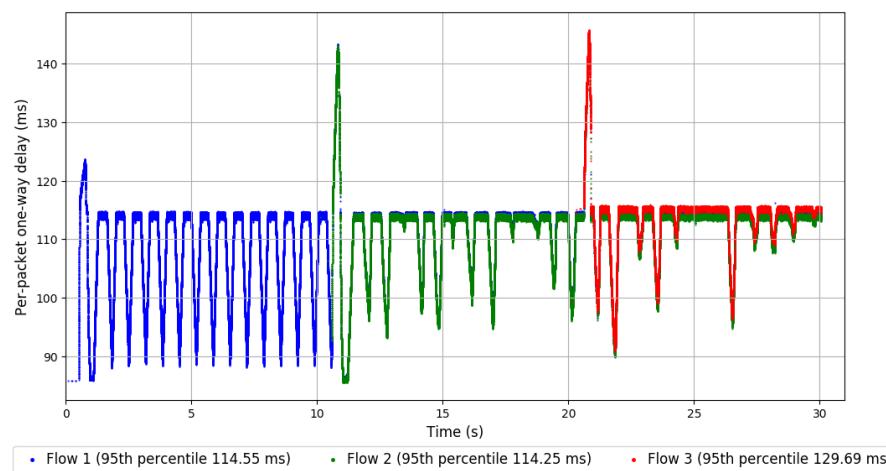
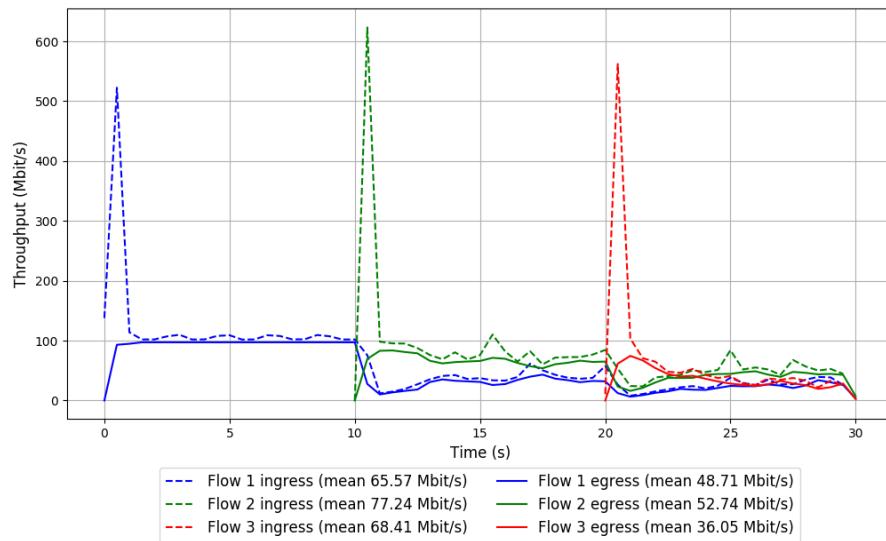


Run 10: Statistics of FillP

```
Start at: 2018-01-17 06:27:13
End at: 2018-01-17 06:27:43
Local clock offset: 0.709 ms
Remote clock offset: -0.288 ms

# Below is generated by plot.py at 2018-01-17 07:26:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 95.75 Mbit/s
95th percentile per-packet one-way delay: 115.378 ms
Loss rate: 31.38%
-- Flow 1:
Average throughput: 48.71 Mbit/s
95th percentile per-packet one-way delay: 114.546 ms
Loss rate: 25.65%
-- Flow 2:
Average throughput: 52.74 Mbit/s
95th percentile per-packet one-way delay: 114.246 ms
Loss rate: 31.71%
-- Flow 3:
Average throughput: 36.05 Mbit/s
95th percentile per-packet one-way delay: 129.692 ms
Loss rate: 47.22%
```

Run 10: Report of FillP — Data Link

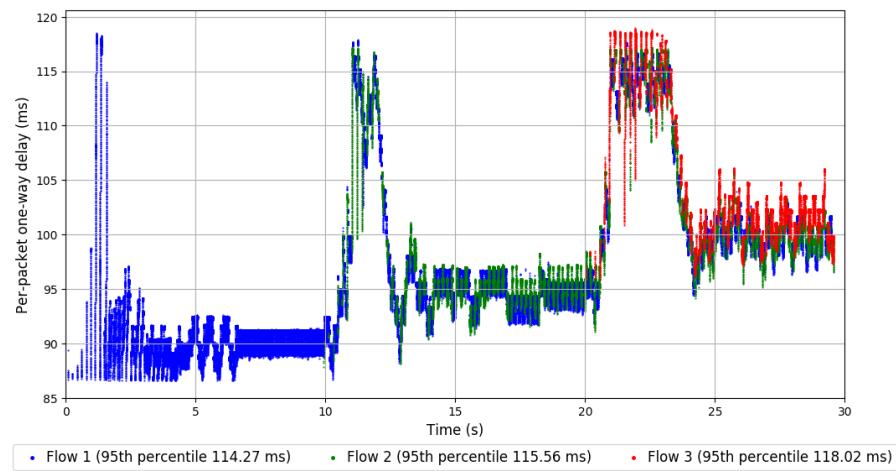
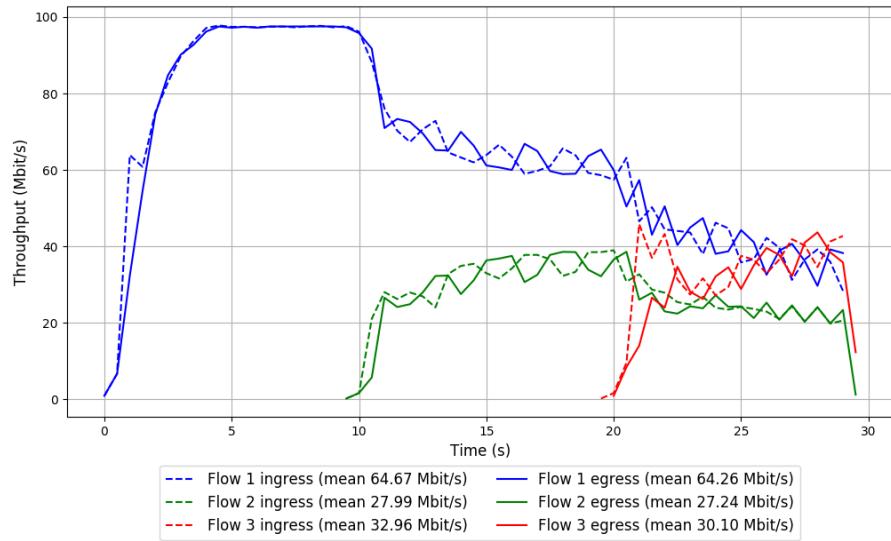


Run 1: Statistics of Indigo

```
Start at: 2018-01-17 02:53:19
End at: 2018-01-17 02:53:49
Local clock offset: 1.005 ms
Remote clock offset: -0.916 ms

# Below is generated by plot.py at 2018-01-17 07:27:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.95 Mbit/s
95th percentile per-packet one-way delay: 115.037 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 64.26 Mbit/s
95th percentile per-packet one-way delay: 114.272 ms
Loss rate: 0.60%
-- Flow 2:
Average throughput: 27.24 Mbit/s
95th percentile per-packet one-way delay: 115.561 ms
Loss rate: 2.64%
-- Flow 3:
Average throughput: 30.10 Mbit/s
95th percentile per-packet one-way delay: 118.019 ms
Loss rate: 8.64%
```

Run 1: Report of Indigo — Data Link

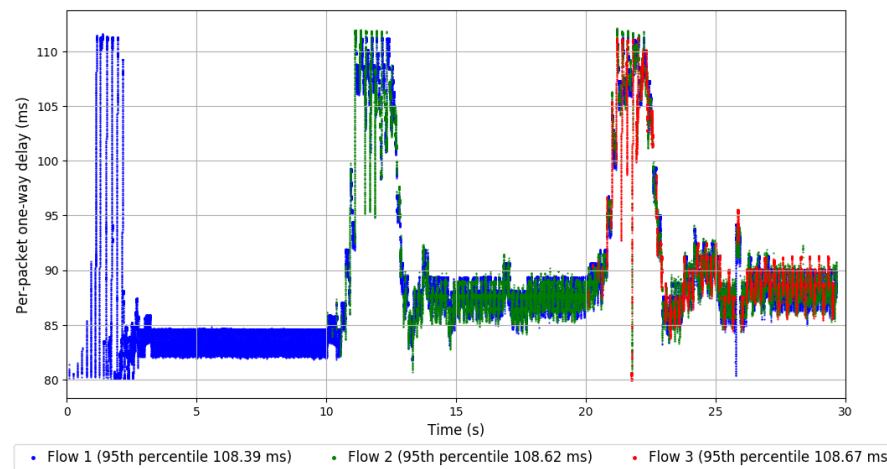
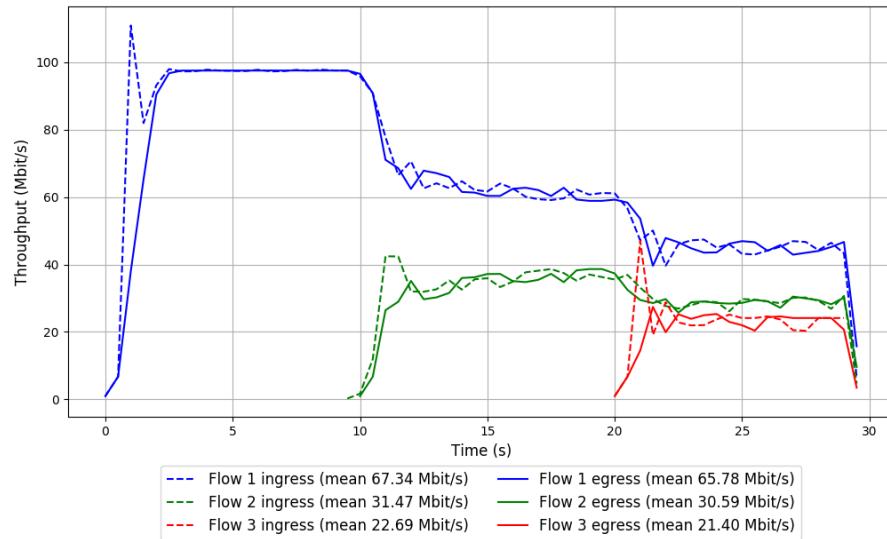


Run 2: Statistics of Indigo

```
Start at: 2018-01-17 03:16:32
End at: 2018-01-17 03:17:02
Local clock offset: 1.085 ms
Remote clock offset: -6.371 ms

# Below is generated by plot.py at 2018-01-17 07:27:20
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.88 Mbit/s
95th percentile per-packet one-way delay: 108.476 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 65.78 Mbit/s
95th percentile per-packet one-way delay: 108.391 ms
Loss rate: 2.30%
-- Flow 2:
Average throughput: 30.59 Mbit/s
95th percentile per-packet one-way delay: 108.620 ms
Loss rate: 2.79%
-- Flow 3:
Average throughput: 21.40 Mbit/s
95th percentile per-packet one-way delay: 108.665 ms
Loss rate: 5.66%
```

## Run 2: Report of Indigo — Data Link

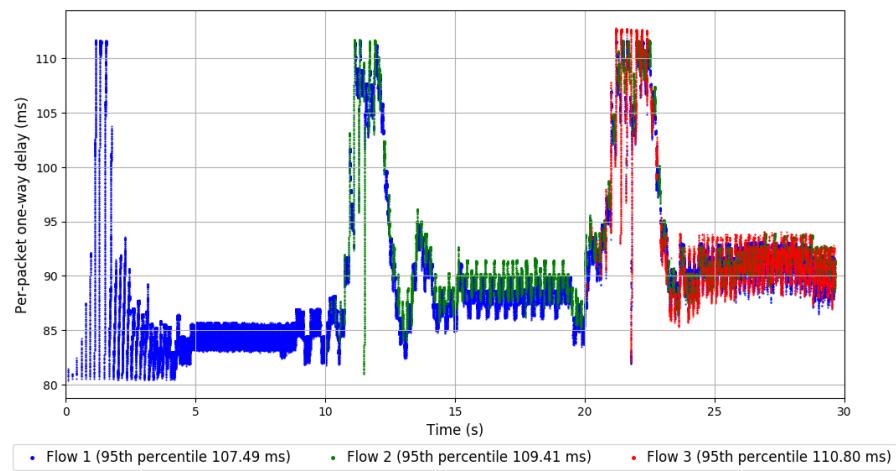
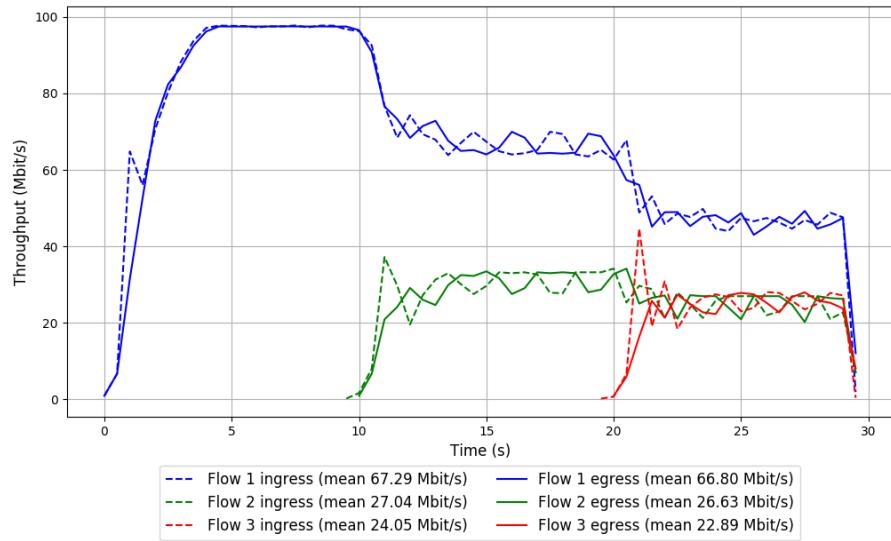


Run 3: Statistics of Indigo

```
Start at: 2018-01-17 03:39:49
End at: 2018-01-17 03:40:19
Local clock offset: 0.968 ms
Remote clock offset: -6.842 ms

# Below is generated by plot.py at 2018-01-17 07:27:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 91.76 Mbit/s
95th percentile per-packet one-way delay: 108.547 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 66.80 Mbit/s
95th percentile per-packet one-way delay: 107.491 ms
Loss rate: 0.70%
-- Flow 2:
Average throughput: 26.63 Mbit/s
95th percentile per-packet one-way delay: 109.409 ms
Loss rate: 1.48%
-- Flow 3:
Average throughput: 22.89 Mbit/s
95th percentile per-packet one-way delay: 110.801 ms
Loss rate: 4.82%
```

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



Run 4: Statistics of Indigo

Start at: 2018-01-17 04:03:08

End at: 2018-01-17 04:03:38

Local clock offset: 0.844 ms

Remote clock offset: 0.072 ms

Run 4: Report of Indigo — Data Link

Figure is missing

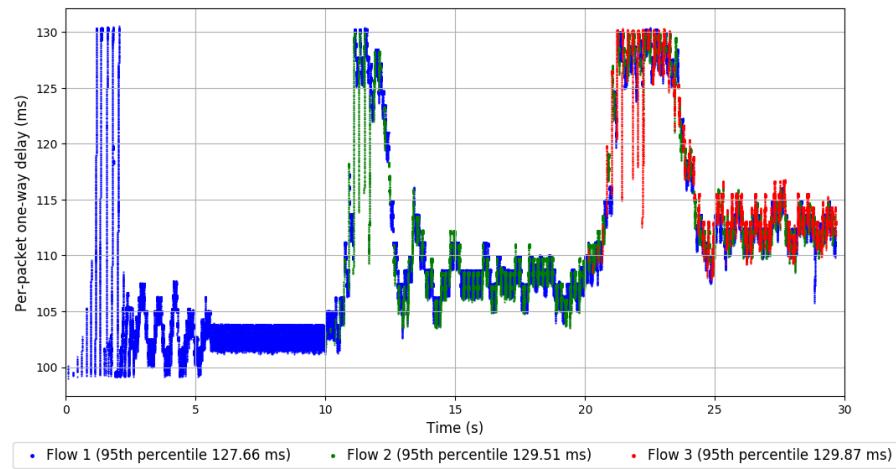
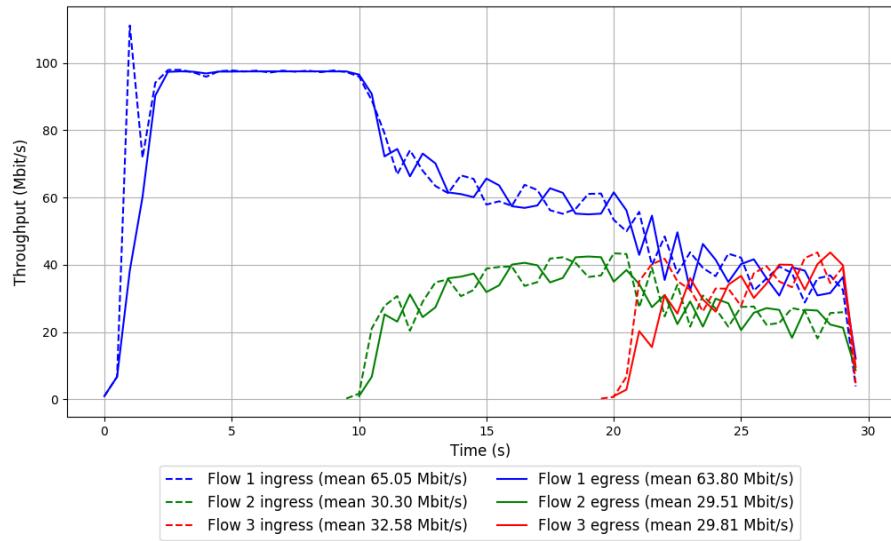
Figure is missing

Run 5: Statistics of Indigo

```
Start at: 2018-01-17 04:26:24
End at: 2018-01-17 04:26:54
Local clock offset: 0.845 ms
Remote clock offset: 10.16 ms

# Below is generated by plot.py at 2018-01-17 07:27:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.91 Mbit/s
95th percentile per-packet one-way delay: 128.561 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 63.80 Mbit/s
95th percentile per-packet one-way delay: 127.658 ms
Loss rate: 1.88%
-- Flow 2:
Average throughput: 29.51 Mbit/s
95th percentile per-packet one-way delay: 129.509 ms
Loss rate: 2.57%
-- Flow 3:
Average throughput: 29.81 Mbit/s
95th percentile per-packet one-way delay: 129.868 ms
Loss rate: 8.50%
```

Run 5: Report of Indigo — Data Link

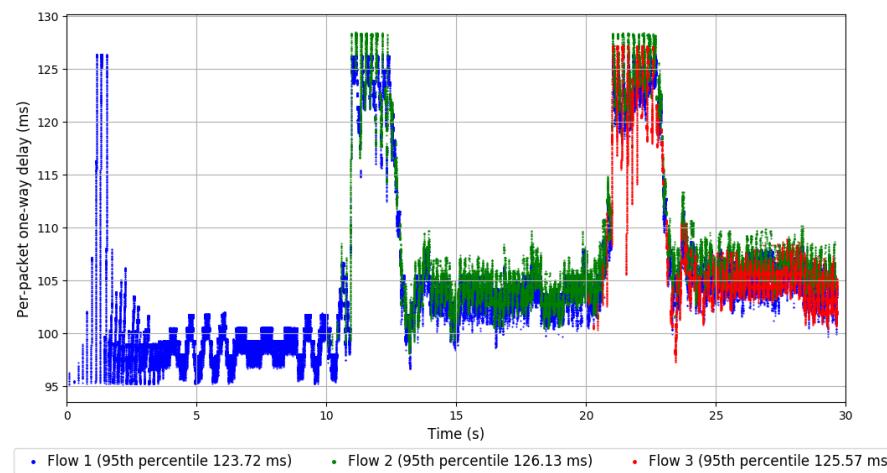
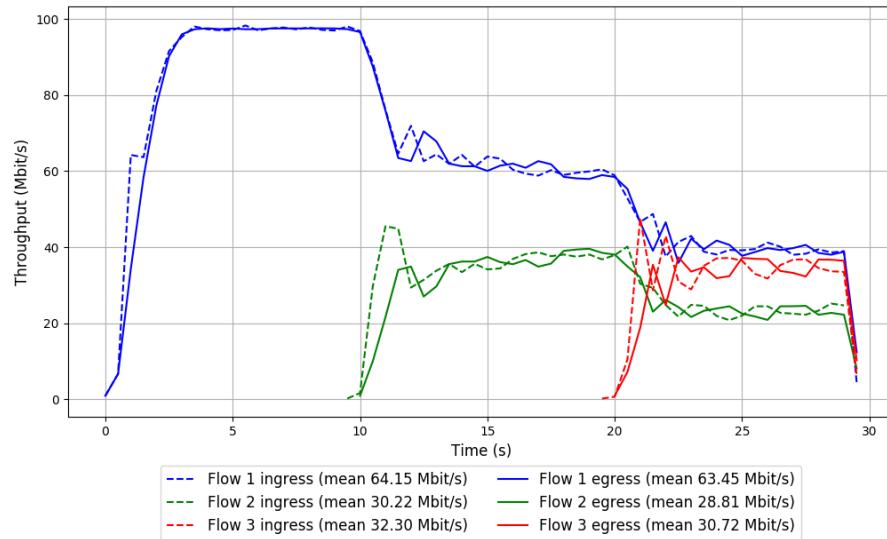


Run 6: Statistics of Indigo

```
Start at: 2018-01-17 04:49:48
End at: 2018-01-17 04:50:18
Local clock offset: 0.735 ms
Remote clock offset: 8.222 ms

# Below is generated by plot.py at 2018-01-17 07:27:58
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 124.635 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 123.715 ms
Loss rate: 1.05%
-- Flow 2:
Average throughput: 28.81 Mbit/s
95th percentile per-packet one-way delay: 126.126 ms
Loss rate: 4.64%
-- Flow 3:
Average throughput: 30.72 Mbit/s
95th percentile per-packet one-way delay: 125.566 ms
Loss rate: 4.92%
```

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-01-17 05:13:14

End at: 2018-01-17 05:13:44

Local clock offset: 0.661 ms

Remote clock offset: 0.666 ms

Run 7: Report of Indigo — Data Link

Figure is missing

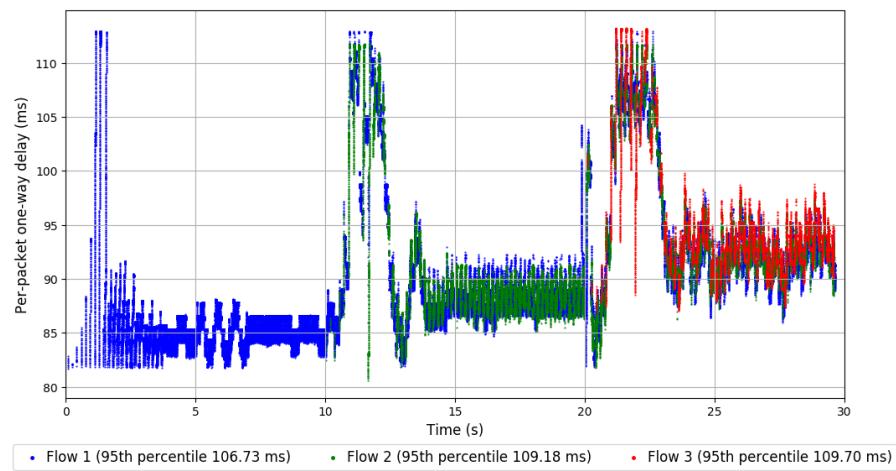
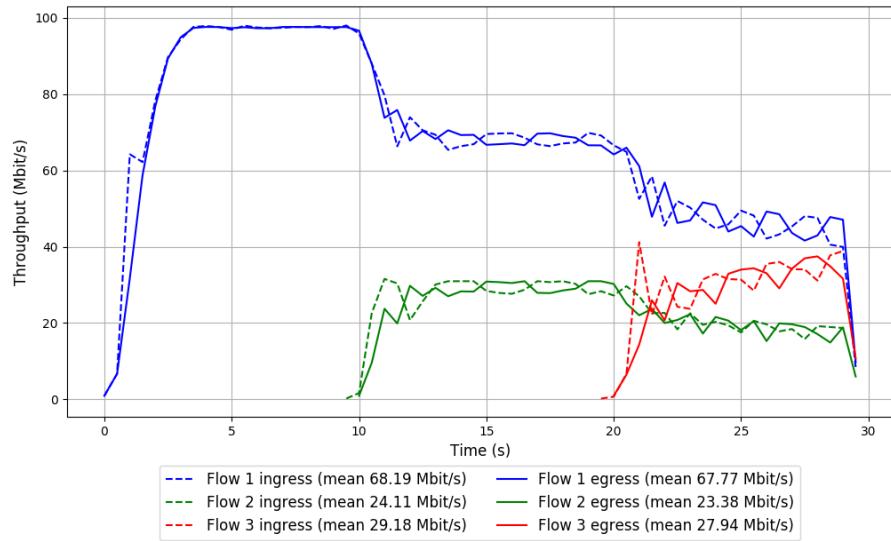
Figure is missing

Run 8: Statistics of Indigo

```
Start at: 2018-01-17 05:36:30
End at: 2018-01-17 05:37:00
Local clock offset: 0.601 ms
Remote clock offset: -6.59 ms

# Below is generated by plot.py at 2018-01-17 07:28:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 107.111 ms
Loss rate: 1.38%
-- Flow 1:
Average throughput: 67.77 Mbit/s
95th percentile per-packet one-way delay: 106.731 ms
Loss rate: 0.59%
-- Flow 2:
Average throughput: 23.38 Mbit/s
95th percentile per-packet one-way delay: 109.178 ms
Loss rate: 2.99%
-- Flow 3:
Average throughput: 27.94 Mbit/s
95th percentile per-packet one-way delay: 109.703 ms
Loss rate: 4.32%
```

## Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2018-01-17 05:59:57  
End at: 2018-01-17 06:00:27  
Local clock offset: 0.67 ms  
Remote clock offset: -0.528 ms

Run 9: Report of Indigo — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Indigo

Start at: 2018-01-17 06:23:27  
End at: 2018-01-17 06:23:57  
Local clock offset: 0.713 ms  
Remote clock offset: -5.573 ms

Run 10: Report of Indigo — Data Link

Figure is missing

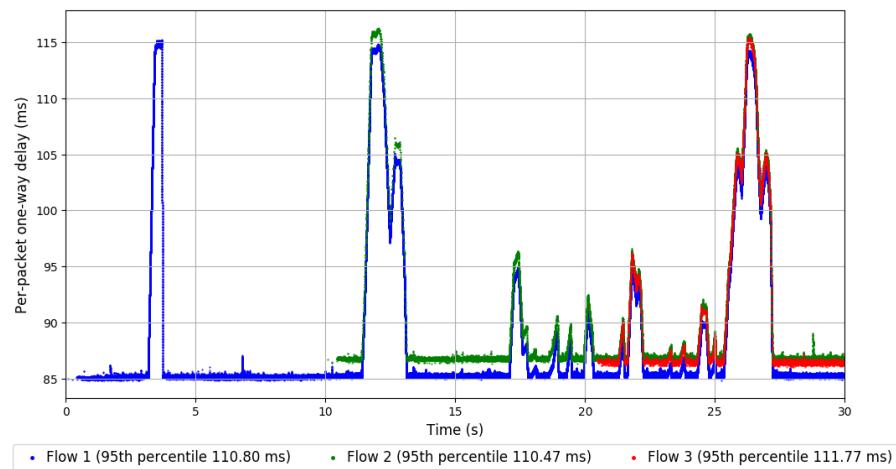
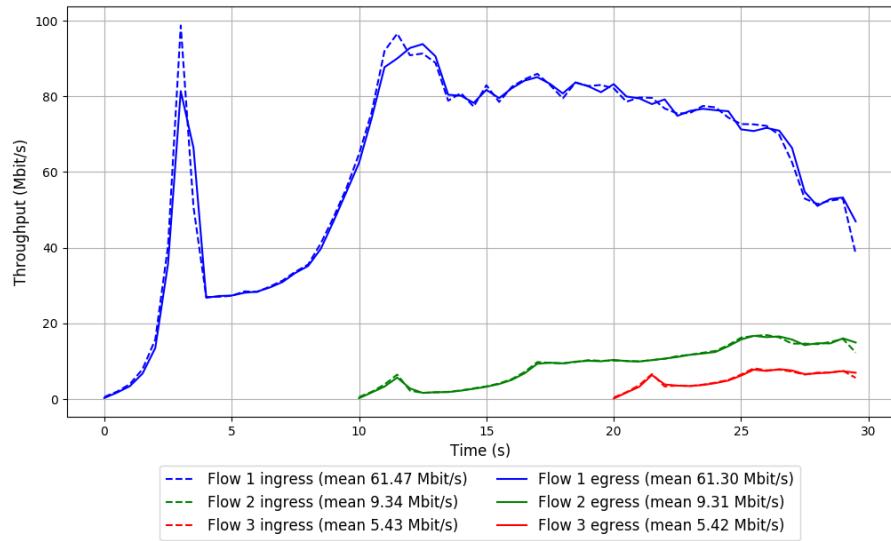
Figure is missing

Run 1: Statistics of Vivace-latency

```
Start at: 2018-01-17 02:51:58
End at: 2018-01-17 02:52:28
Local clock offset: 1.003 ms
Remote clock offset: -0.944 ms

# Below is generated by plot.py at 2018-01-17 07:28:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.27 Mbit/s
95th percentile per-packet one-way delay: 110.807 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 61.30 Mbit/s
95th percentile per-packet one-way delay: 110.797 ms
Loss rate: 0.28%
-- Flow 2:
Average throughput: 9.31 Mbit/s
95th percentile per-packet one-way delay: 110.467 ms
Loss rate: 0.31%
-- Flow 3:
Average throughput: 5.42 Mbit/s
95th percentile per-packet one-way delay: 111.769 ms
Loss rate: 0.13%
```

Run 1: Report of Vivace-latency — Data Link

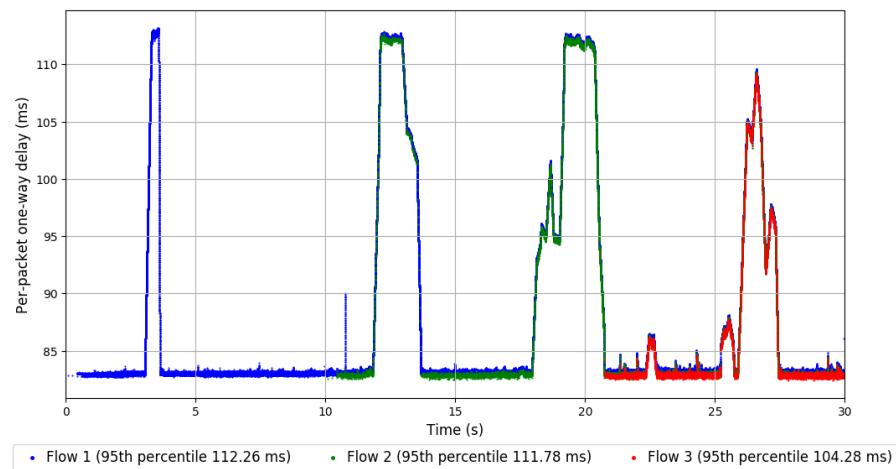
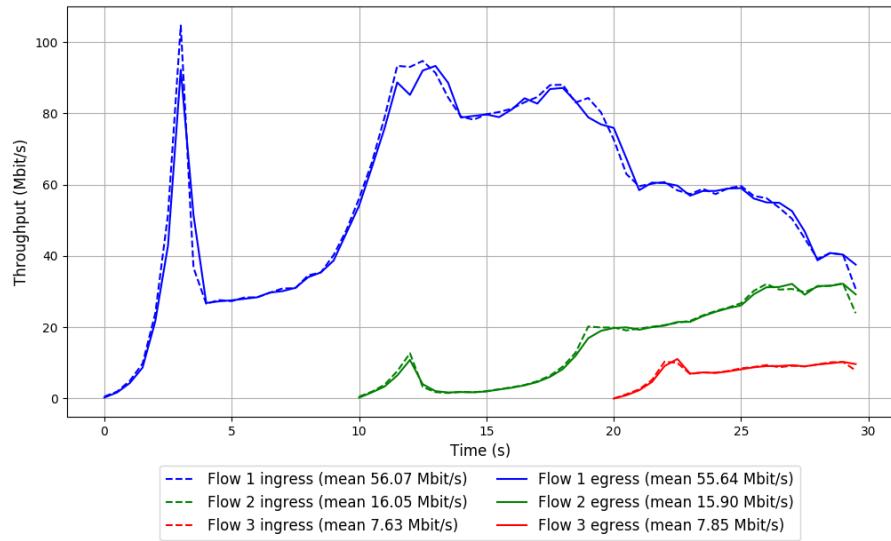


Run 2: Statistics of Vivace-latency

```
Start at: 2018-01-17 03:15:11
End at: 2018-01-17 03:15:41
Local clock offset: 1.015 ms
Remote clock offset: -5.448 ms

# Below is generated by plot.py at 2018-01-17 07:28:39
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.73 Mbit/s
95th percentile per-packet one-way delay: 112.195 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 55.64 Mbit/s
95th percentile per-packet one-way delay: 112.258 ms
Loss rate: 0.76%
-- Flow 2:
Average throughput: 15.90 Mbit/s
95th percentile per-packet one-way delay: 111.785 ms
Loss rate: 0.93%
-- Flow 3:
Average throughput: 7.85 Mbit/s
95th percentile per-packet one-way delay: 104.275 ms
Loss rate: 0.00%
```

Run 2: Report of Vivace-latency — Data Link

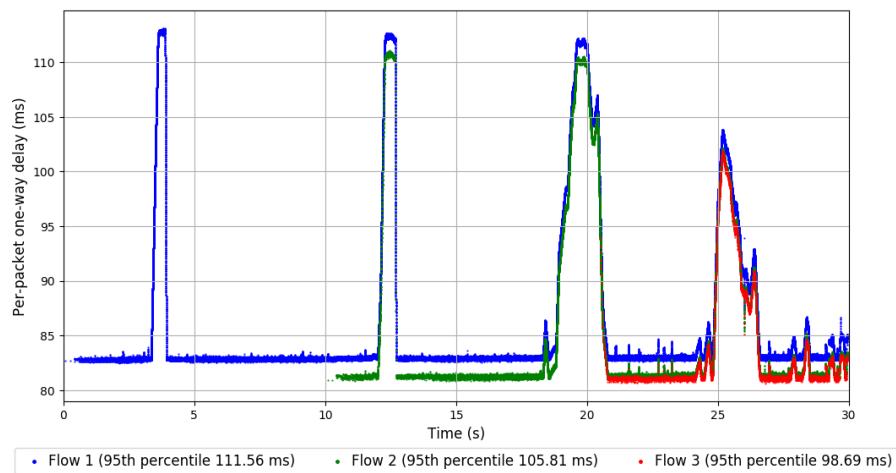
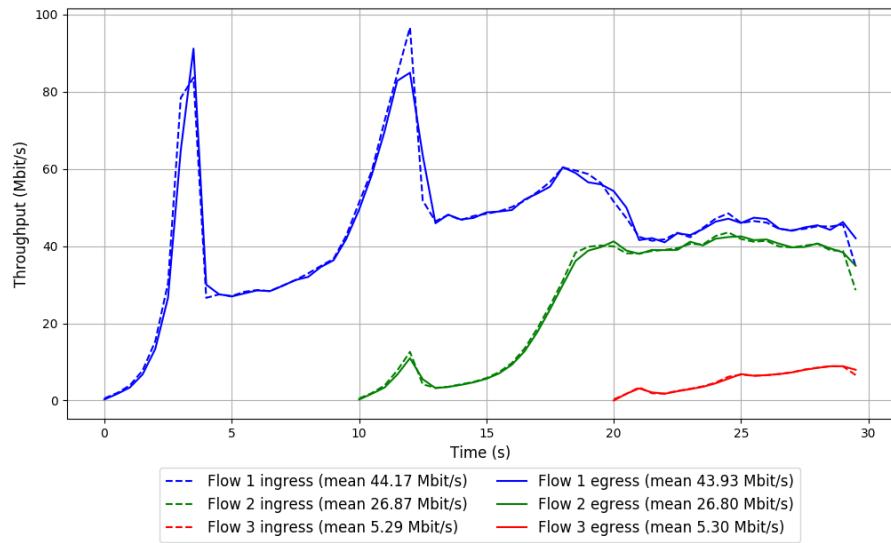


Run 3: Statistics of Vivace-latency

```
Start at: 2018-01-17 03:38:28
End at: 2018-01-17 03:38:58
Local clock offset: 0.966 ms
Remote clock offset: -6.035 ms

# Below is generated by plot.py at 2018-01-17 07:28:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.49 Mbit/s
95th percentile per-packet one-way delay: 109.724 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 43.93 Mbit/s
95th percentile per-packet one-way delay: 111.562 ms
Loss rate: 0.55%
-- Flow 2:
Average throughput: 26.80 Mbit/s
95th percentile per-packet one-way delay: 105.808 ms
Loss rate: 0.25%
-- Flow 3:
Average throughput: 5.30 Mbit/s
95th percentile per-packet one-way delay: 98.693 ms
Loss rate: 0.00%
```

Run 3: Report of Vivace-latency — Data Link

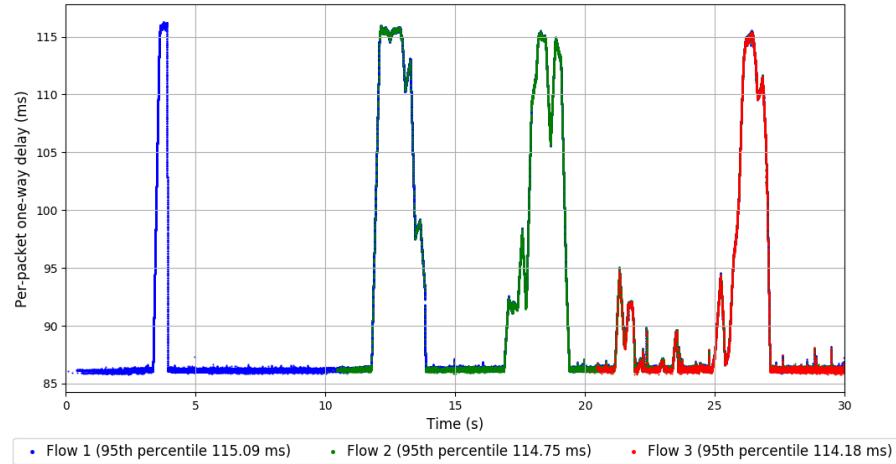
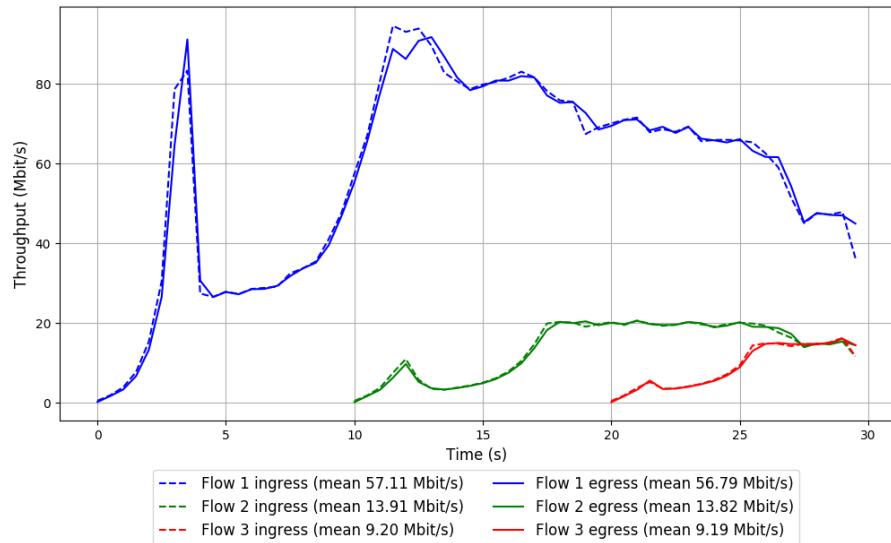


Run 4: Statistics of Vivace-latency

```
Start at: 2018-01-17 04:01:47
End at: 2018-01-17 04:02:17
Local clock offset: 0.907 ms
Remote clock offset: -0.872 ms

# Below is generated by plot.py at 2018-01-17 07:29:14
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.00 Mbit/s
95th percentile per-packet one-way delay: 114.994 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 56.79 Mbit/s
95th percentile per-packet one-way delay: 115.088 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 13.82 Mbit/s
95th percentile per-packet one-way delay: 114.749 ms
Loss rate: 0.70%
-- Flow 3:
Average throughput: 9.19 Mbit/s
95th percentile per-packet one-way delay: 114.180 ms
Loss rate: 0.14%
```

Run 4: Report of Vivace-latency — Data Link

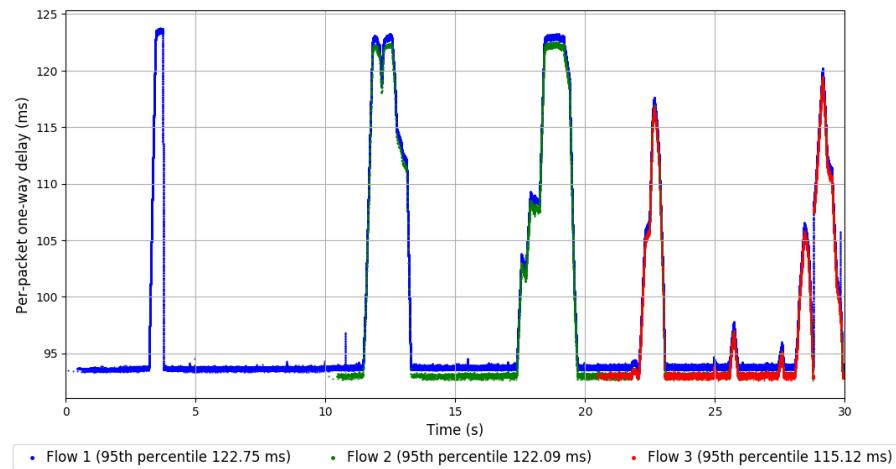
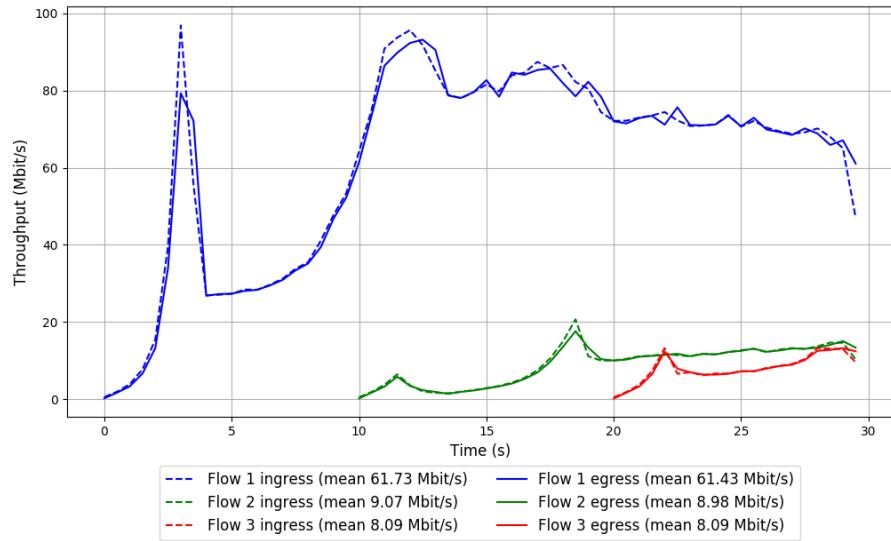


Run 5: Statistics of Vivace-latency

```
Start at: 2018-01-17 04:25:03
End at: 2018-01-17 04:25:33
Local clock offset: 0.844 ms
Remote clock offset: 4.548 ms

# Below is generated by plot.py at 2018-01-17 07:29:21
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.07 Mbit/s
95th percentile per-packet one-way delay: 122.629 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 61.43 Mbit/s
95th percentile per-packet one-way delay: 122.748 ms
Loss rate: 0.48%
-- Flow 2:
Average throughput: 8.98 Mbit/s
95th percentile per-packet one-way delay: 122.089 ms
Loss rate: 1.03%
-- Flow 3:
Average throughput: 8.09 Mbit/s
95th percentile per-packet one-way delay: 115.123 ms
Loss rate: 0.00%
```

Run 5: Report of Vivace-latency — Data Link

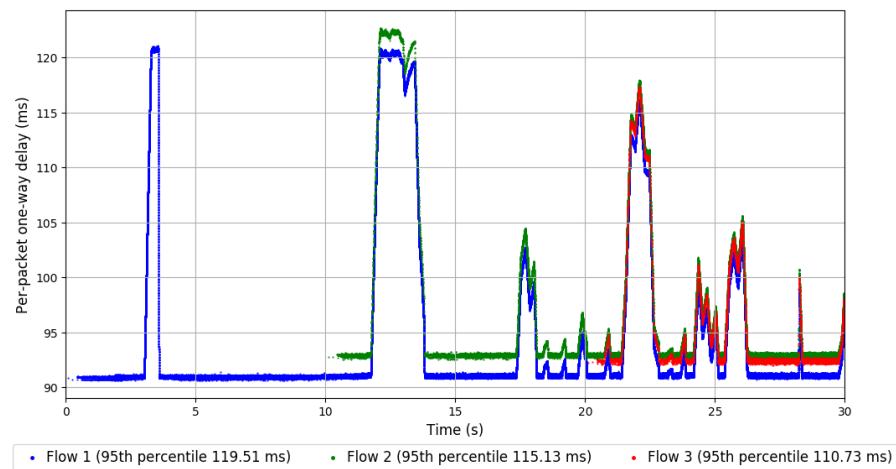
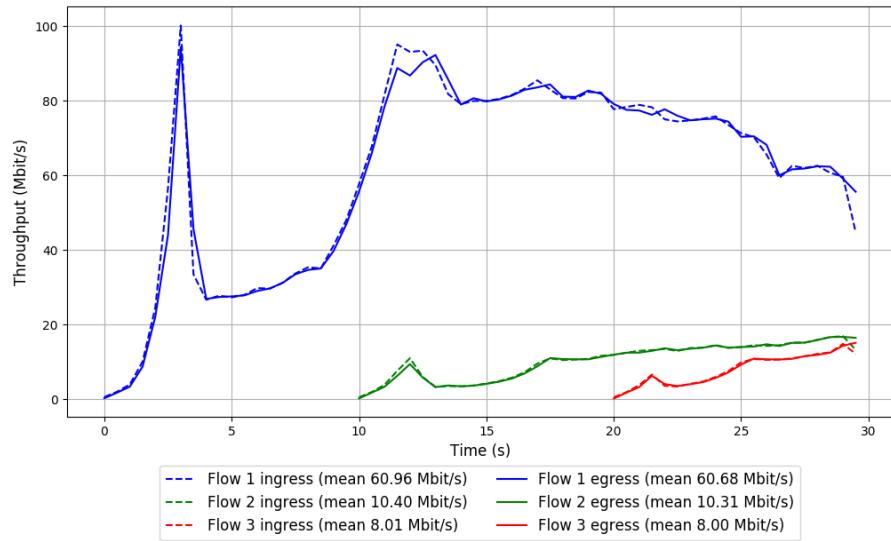


Run 6: Statistics of Vivace-latency

```
Start at: 2018-01-17 04:48:27
End at: 2018-01-17 04:48:57
Local clock offset: 0.754 ms
Remote clock offset: 3.393 ms

# Below is generated by plot.py at 2018-01-17 07:29:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.17 Mbit/s
95th percentile per-packet one-way delay: 119.303 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 60.68 Mbit/s
95th percentile per-packet one-way delay: 119.512 ms
Loss rate: 0.45%
-- Flow 2:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 115.133 ms
Loss rate: 0.79%
-- Flow 3:
Average throughput: 8.00 Mbit/s
95th percentile per-packet one-way delay: 110.735 ms
Loss rate: 0.00%
```

Run 6: Report of Vivace-latency — Data Link

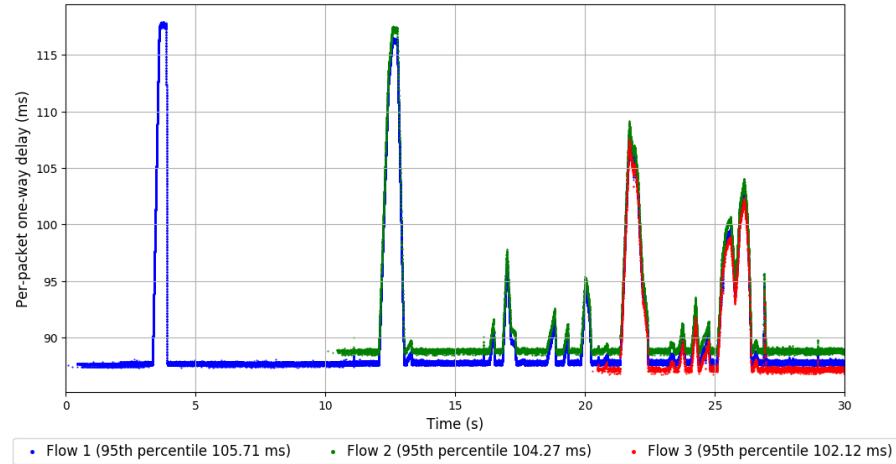
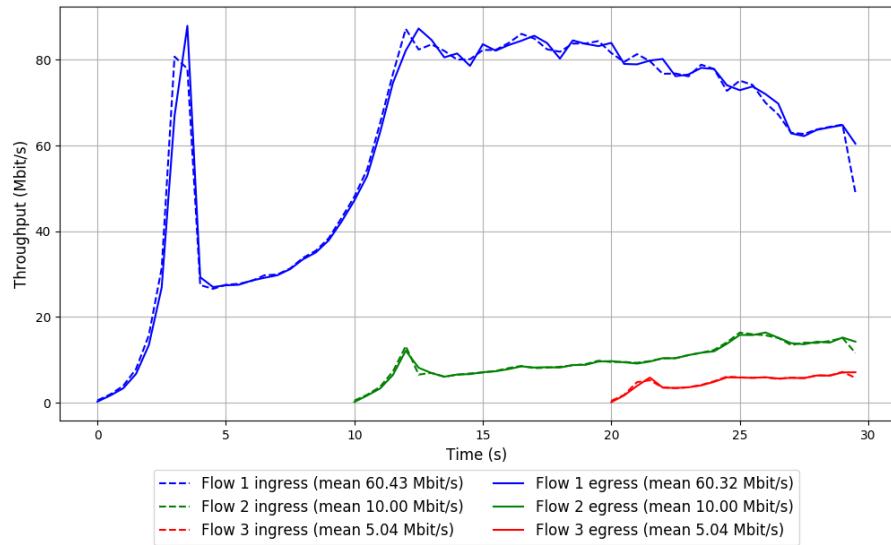


Run 7: Statistics of Vivace-latency

```
Start at: 2018-01-17 05:11:53
End at: 2018-01-17 05:12:23
Local clock offset: 0.711 ms
Remote clock offset: -0.109 ms

# Below is generated by plot.py at 2018-01-17 07:29:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.63 Mbit/s
95th percentile per-packet one-way delay: 105.550 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 60.32 Mbit/s
95th percentile per-packet one-way delay: 105.714 ms
Loss rate: 0.18%
-- Flow 2:
Average throughput: 10.00 Mbit/s
95th percentile per-packet one-way delay: 104.267 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 102.118 ms
Loss rate: 0.00%
```

Run 7: Report of Vivace-latency — Data Link

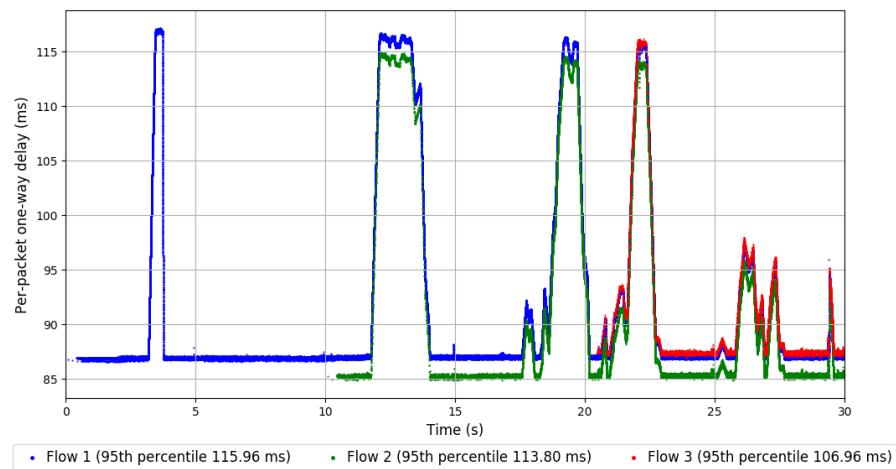
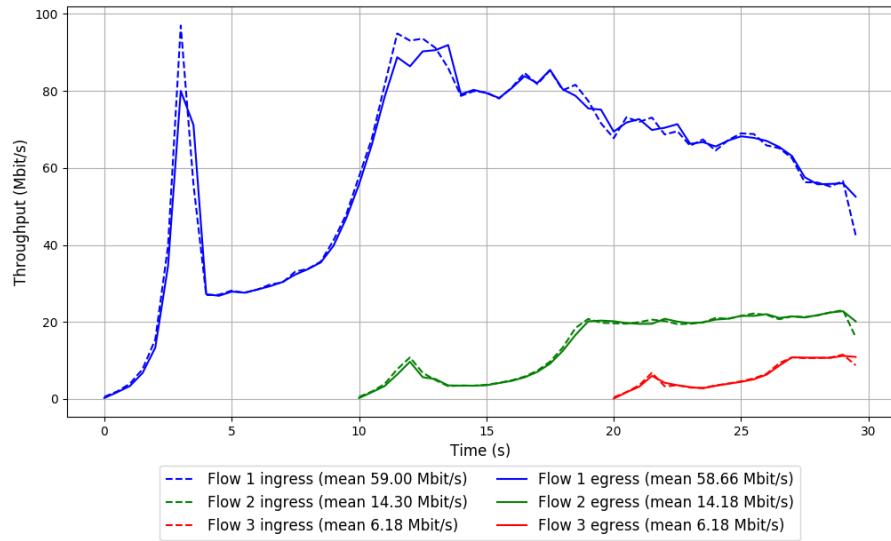


Run 8: Statistics of Vivace-latency

```
Start at: 2018-01-17 05:35:09
End at: 2018-01-17 05:35:39
Local clock offset: 0.662 ms
Remote clock offset: -1.755 ms

# Below is generated by plot.py at 2018-01-17 07:30:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 115.790 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 58.66 Mbit/s
95th percentile per-packet one-way delay: 115.957 ms
Loss rate: 0.56%
-- Flow 2:
Average throughput: 14.18 Mbit/s
95th percentile per-packet one-way delay: 113.804 ms
Loss rate: 0.78%
-- Flow 3:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 106.958 ms
Loss rate: 0.01%
```

Run 8: Report of Vivace-latency — Data Link

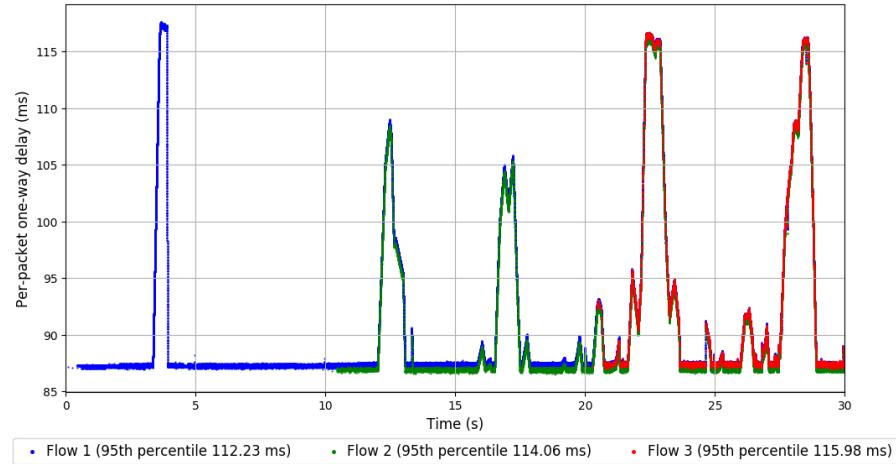
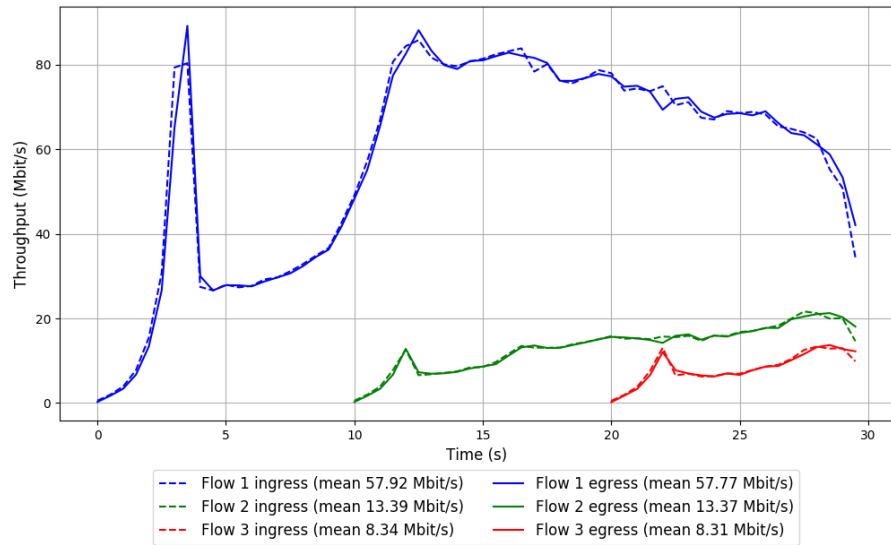


Run 9: Statistics of Vivace-latency

```
Start at: 2018-01-17 05:58:36
End at: 2018-01-17 05:59:06
Local clock offset: 0.673 ms
Remote clock offset: -0.296 ms

# Below is generated by plot.py at 2018-01-17 07:30:38
# Datalink statistics
-- Total of 3 flows:
Average throughput: 69.39 Mbit/s
95th percentile per-packet one-way delay: 113.451 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 112.234 ms
Loss rate: 0.27%
-- Flow 2:
Average throughput: 13.37 Mbit/s
95th percentile per-packet one-way delay: 114.064 ms
Loss rate: 0.15%
-- Flow 3:
Average throughput: 8.31 Mbit/s
95th percentile per-packet one-way delay: 115.979 ms
Loss rate: 0.32%
```

Run 9: Report of Vivace-latency — Data Link

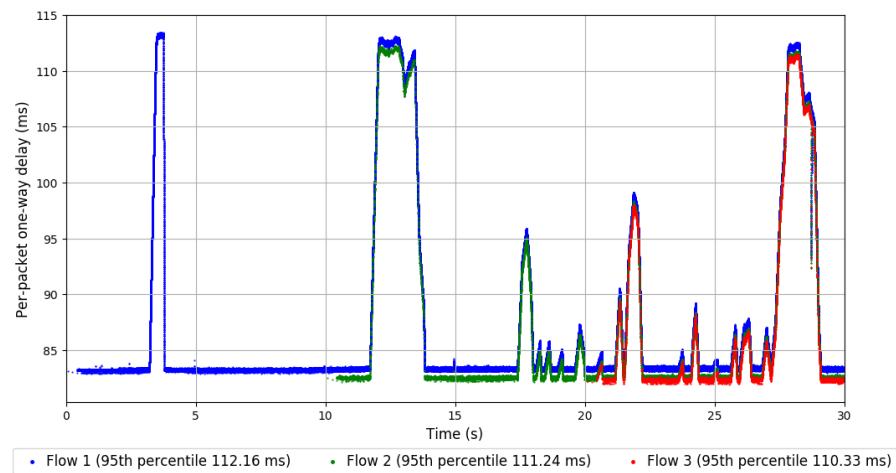
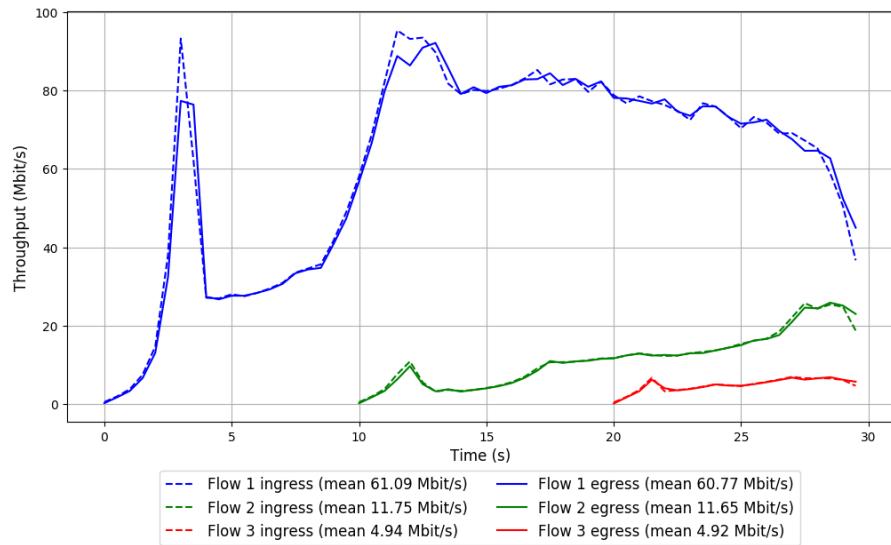


Run 10: Statistics of Vivace-latency

```
Start at: 2018-01-17 06:22:06
End at: 2018-01-17 06:22:36
Local clock offset: 0.732 ms
Remote clock offset: -5.132 ms

# Below is generated by plot.py at 2018-01-17 07:30:40
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.14 Mbit/s
95th percentile per-packet one-way delay: 111.957 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 60.77 Mbit/s
95th percentile per-packet one-way delay: 112.161 ms
Loss rate: 0.52%
-- Flow 2:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 111.239 ms
Loss rate: 0.86%
-- Flow 3:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 110.327 ms
Loss rate: 0.30%
```

Run 10: Report of Vivace-latency — Data Link

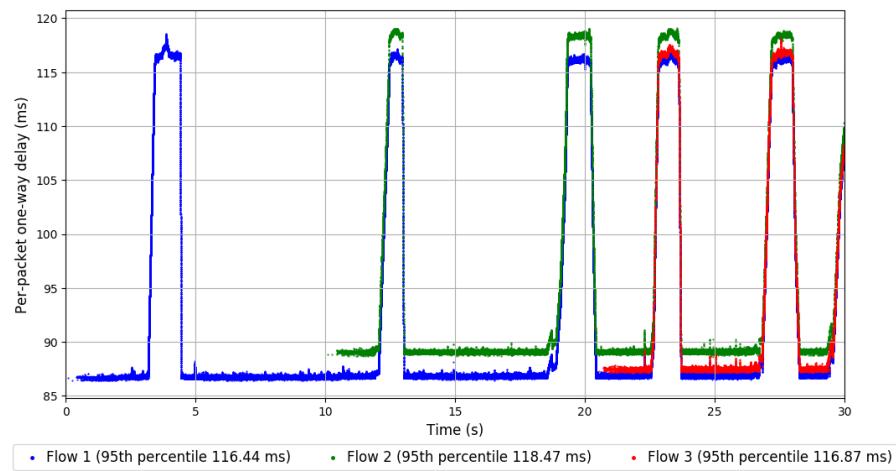
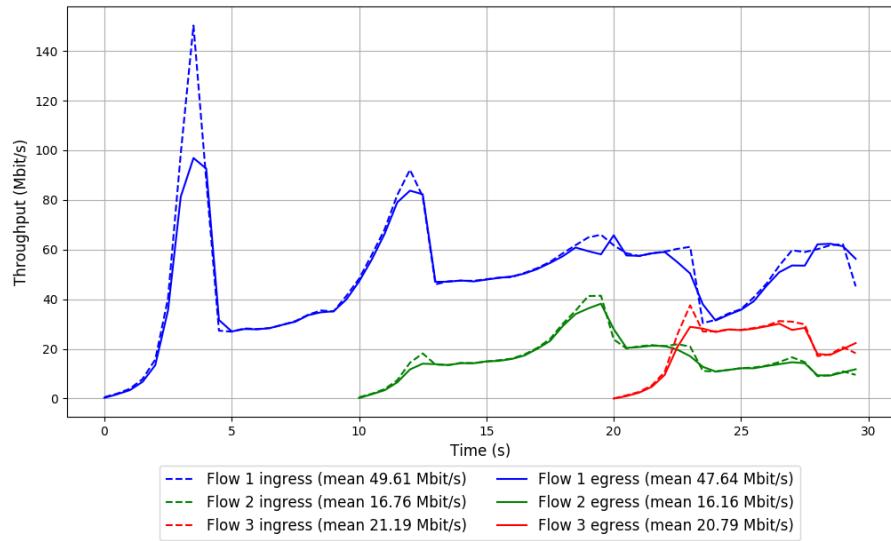


```
Run 1: Statistics of Vivace-loss
```

```
Start at: 2018-01-17 03:10:04
End at: 2018-01-17 03:10:34
Local clock offset: 1.098 ms
Remote clock offset: 0.289 ms

# Below is generated by plot.py at 2018-01-17 07:30:45
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.06 Mbit/s
95th percentile per-packet one-way delay: 116.698 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 47.64 Mbit/s
95th percentile per-packet one-way delay: 116.436 ms
Loss rate: 3.90%
-- Flow 2:
Average throughput: 16.16 Mbit/s
95th percentile per-packet one-way delay: 118.474 ms
Loss rate: 3.49%
-- Flow 3:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 116.872 ms
Loss rate: 4.25%
```

Run 1: Report of Vivace-loss — Data Link

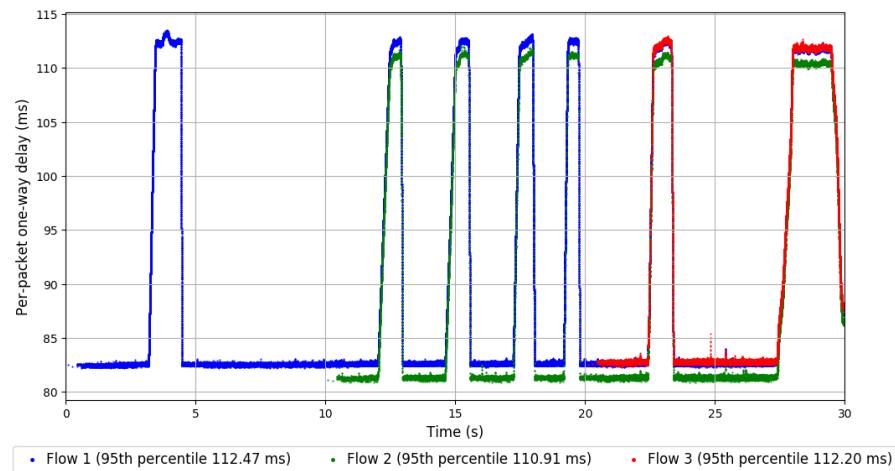
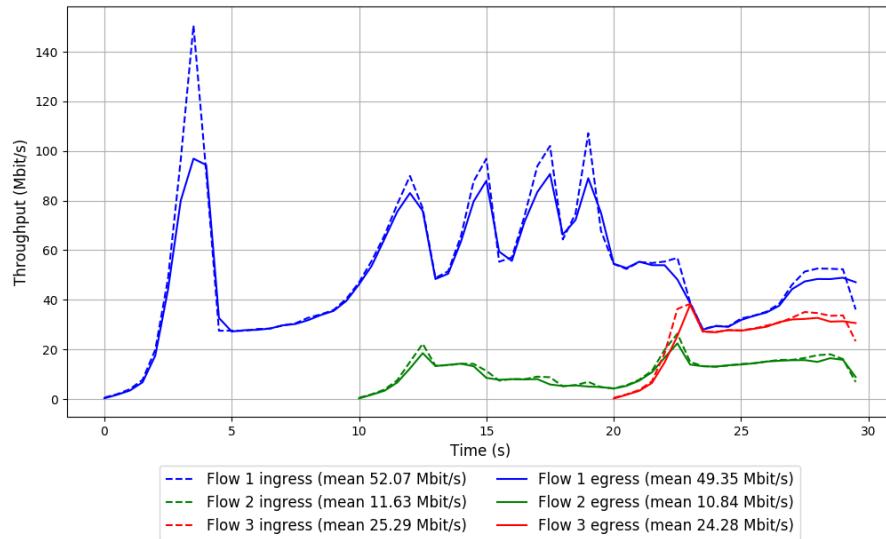


Run 2: Statistics of Vivace-loss

```
Start at: 2018-01-17 03:33:16
End at: 2018-01-17 03:33:46
Local clock offset: 0.928 ms
Remote clock offset: -5.949 ms

# Below is generated by plot.py at 2018-01-17 07:31:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 64.55 Mbit/s
95th percentile per-packet one-way delay: 112.426 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 49.35 Mbit/s
95th percentile per-packet one-way delay: 112.466 ms
Loss rate: 5.21%
-- Flow 2:
Average throughput: 10.84 Mbit/s
95th percentile per-packet one-way delay: 110.913 ms
Loss rate: 6.75%
-- Flow 3:
Average throughput: 24.28 Mbit/s
95th percentile per-packet one-way delay: 112.199 ms
Loss rate: 3.95%
```

Run 2: Report of Vivace-loss — Data Link

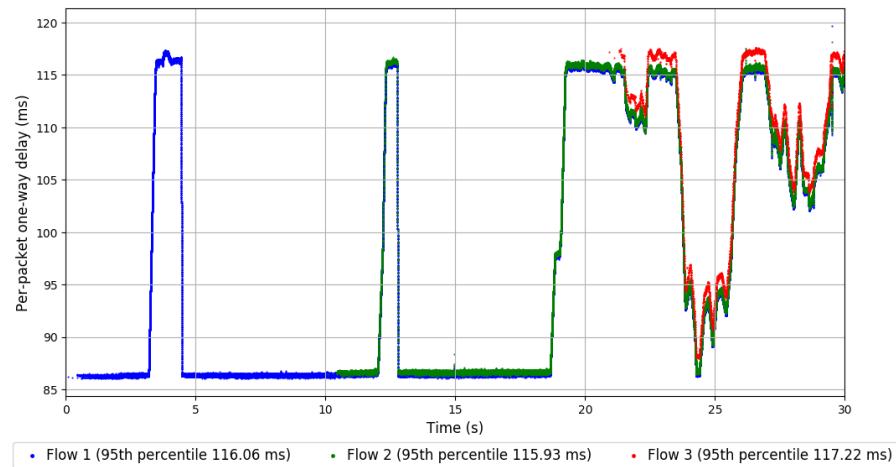
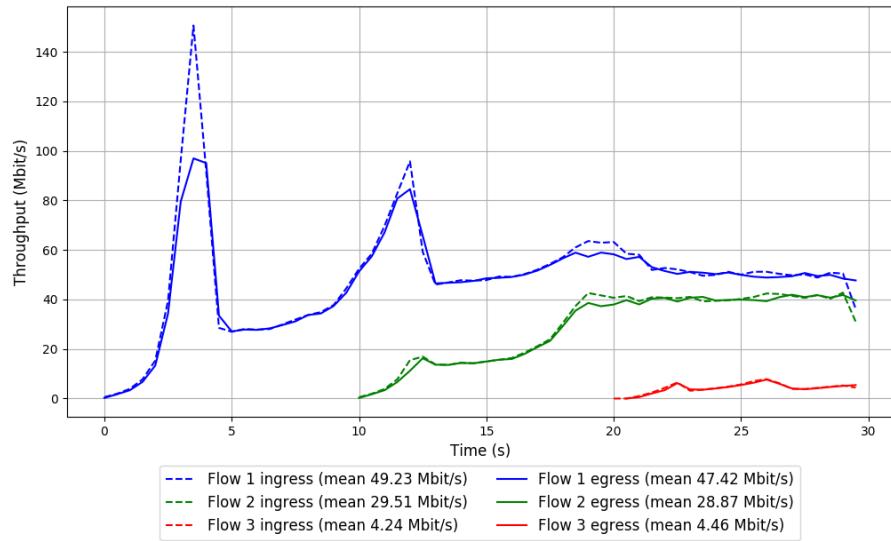


Run 3: Statistics of Vivace-loss

```
Start at: 2018-01-17 03:56:35
End at: 2018-01-17 03:57:05
Local clock offset: 0.895 ms
Remote clock offset: -0.953 ms

# Below is generated by plot.py at 2018-01-17 07:31:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 67.97 Mbit/s
95th percentile per-packet one-way delay: 116.027 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 47.42 Mbit/s
95th percentile per-packet one-way delay: 116.060 ms
Loss rate: 3.60%
-- Flow 2:
Average throughput: 28.87 Mbit/s
95th percentile per-packet one-way delay: 115.932 ms
Loss rate: 2.05%
-- Flow 3:
Average throughput: 4.46 Mbit/s
95th percentile per-packet one-way delay: 117.216 ms
Loss rate: 2.93%
```

Run 3: Report of Vivace-loss — Data Link

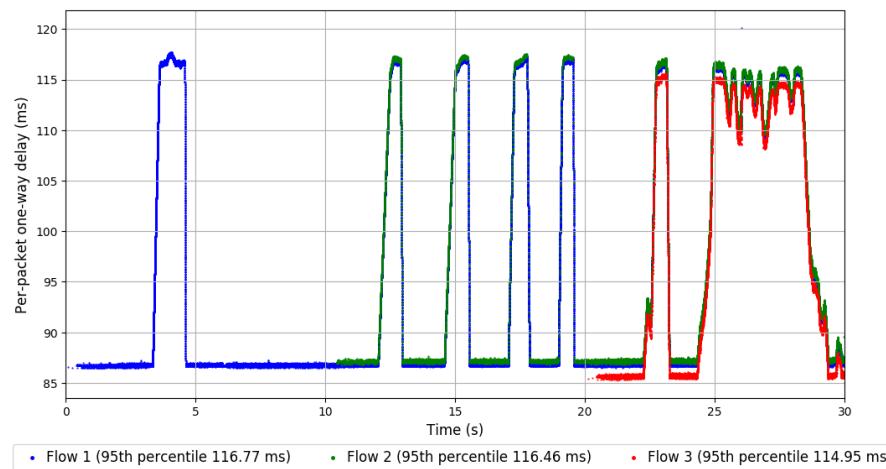
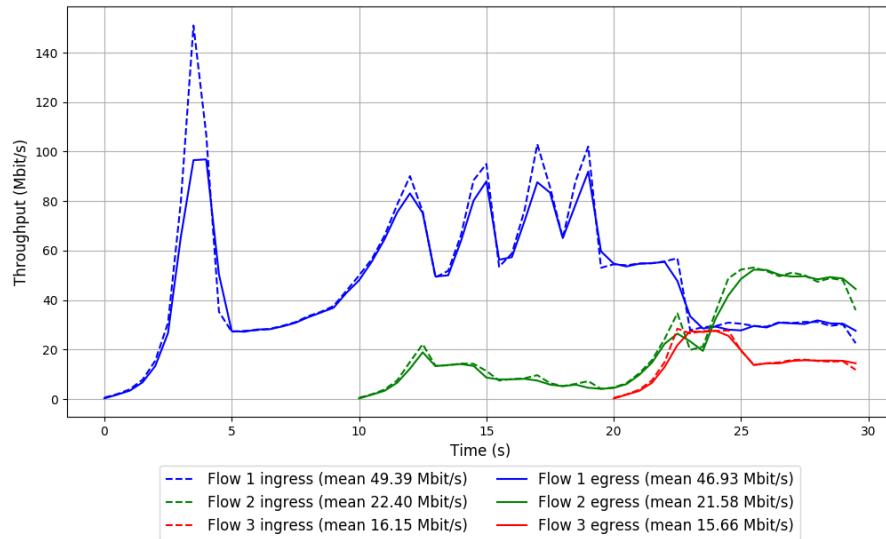


Run 4: Statistics of Vivace-loss

```
Start at: 2018-01-17 04:19:53
End at: 2018-01-17 04:20:23
Local clock offset: 0.854 ms
Remote clock offset: -1.564 ms

# Below is generated by plot.py at 2018-01-17 07:31:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 66.43 Mbit/s
95th percentile per-packet one-way delay: 116.708 ms
Loss rate: 4.55%
-- Flow 1:
Average throughput: 46.93 Mbit/s
95th percentile per-packet one-way delay: 116.767 ms
Loss rate: 4.98%
-- Flow 2:
Average throughput: 21.58 Mbit/s
95th percentile per-packet one-way delay: 116.464 ms
Loss rate: 3.64%
-- Flow 3:
Average throughput: 15.66 Mbit/s
95th percentile per-packet one-way delay: 114.954 ms
Loss rate: 3.02%
```

Run 4: Report of Vivace-loss — Data Link

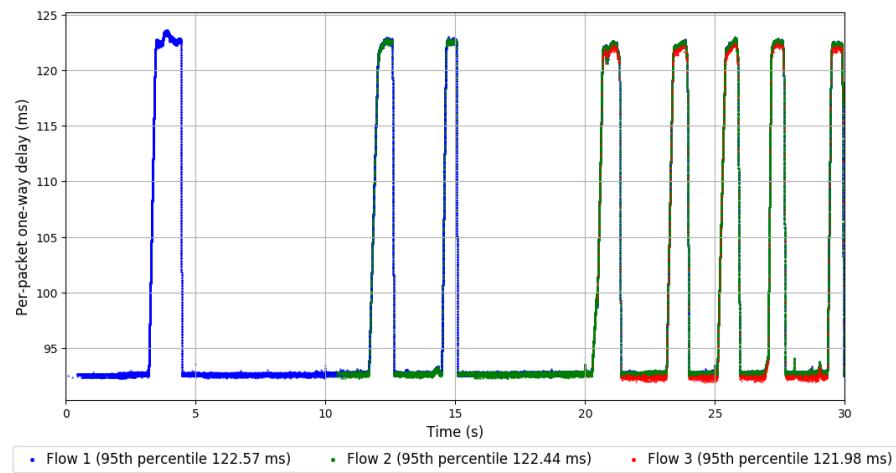
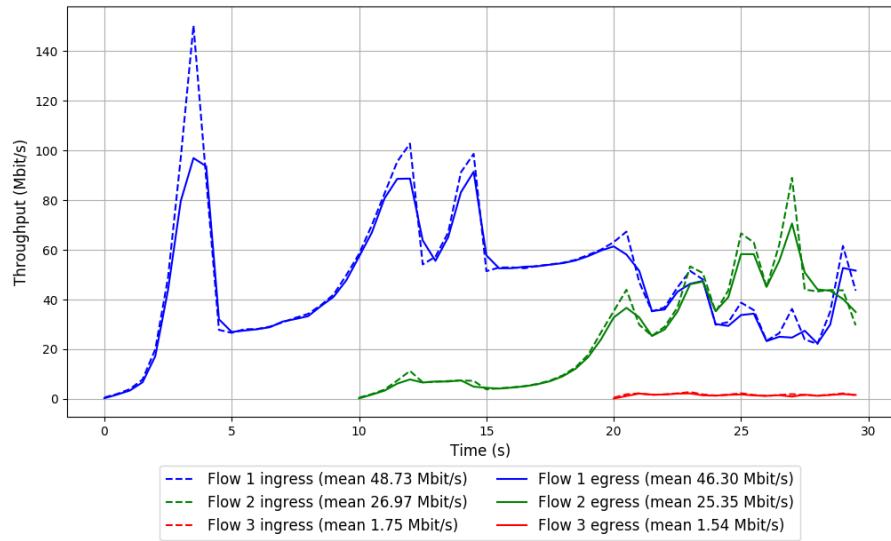


Run 5: Statistics of Vivace-loss

```
Start at: 2018-01-17 04:43:17
End at: 2018-01-17 04:43:47
Local clock offset: 0.775 ms
Remote clock offset: 3.327 ms

# Below is generated by plot.py at 2018-01-17 07:31:51
# Datalink statistics
-- Total of 3 flows:
Average throughput: 63.66 Mbit/s
95th percentile per-packet one-way delay: 122.535 ms
Loss rate: 5.33%
-- Flow 1:
Average throughput: 46.30 Mbit/s
95th percentile per-packet one-way delay: 122.573 ms
Loss rate: 5.00%
-- Flow 2:
Average throughput: 25.35 Mbit/s
95th percentile per-packet one-way delay: 122.438 ms
Loss rate: 6.01%
-- Flow 3:
Average throughput: 1.54 Mbit/s
95th percentile per-packet one-way delay: 121.977 ms
Loss rate: 12.10%
```

Run 5: Report of Vivace-loss — Data Link

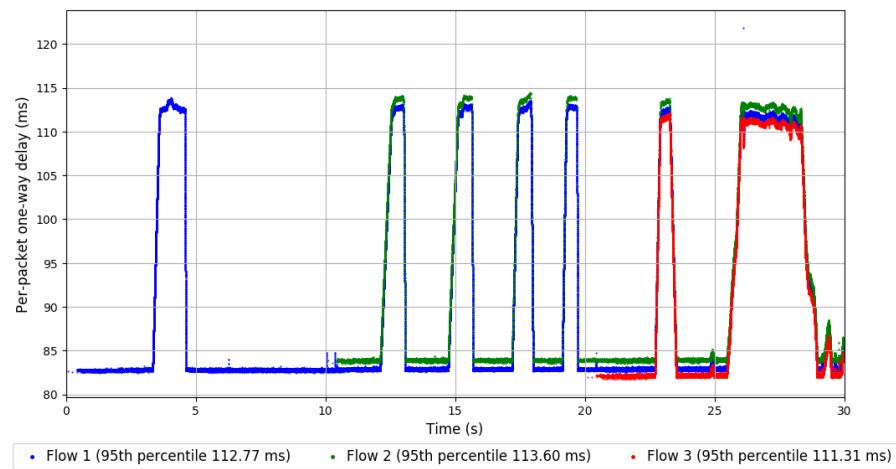
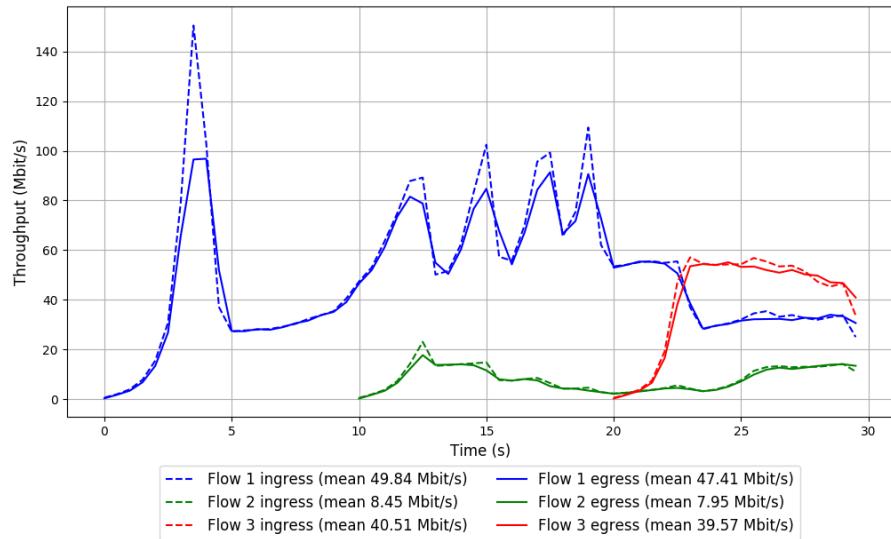


Run 6: Statistics of Vivace-loss

```
Start at: 2018-01-17 05:06:41
End at: 2018-01-17 05:07:11
Local clock offset: 0.647 ms
Remote clock offset: -5.383 ms

# Below is generated by plot.py at 2018-01-17 07:31:53
# Datalink statistics
-- Total of 3 flows:
Average throughput: 65.74 Mbit/s
95th percentile per-packet one-way delay: 112.766 ms
Loss rate: 4.44%
-- Flow 1:
Average throughput: 47.41 Mbit/s
95th percentile per-packet one-way delay: 112.772 ms
Loss rate: 4.86%
-- Flow 2:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 113.597 ms
Loss rate: 5.83%
-- Flow 3:
Average throughput: 39.57 Mbit/s
95th percentile per-packet one-way delay: 111.314 ms
Loss rate: 2.29%
```

Run 6: Report of Vivace-loss — Data Link

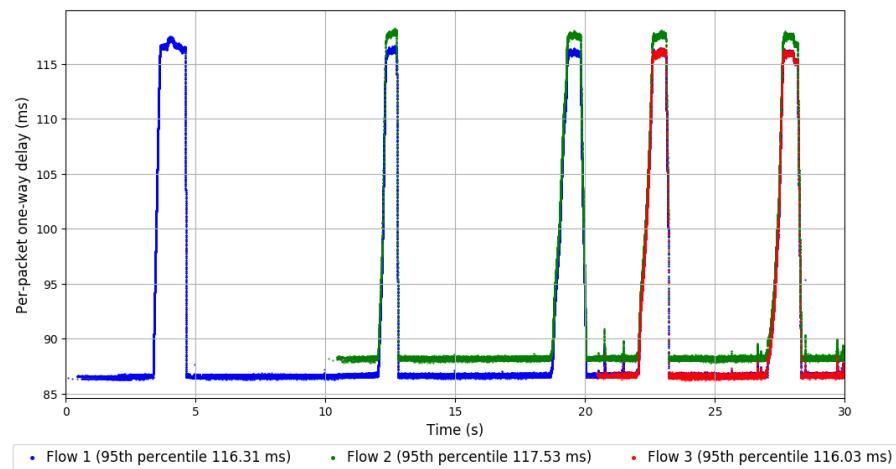
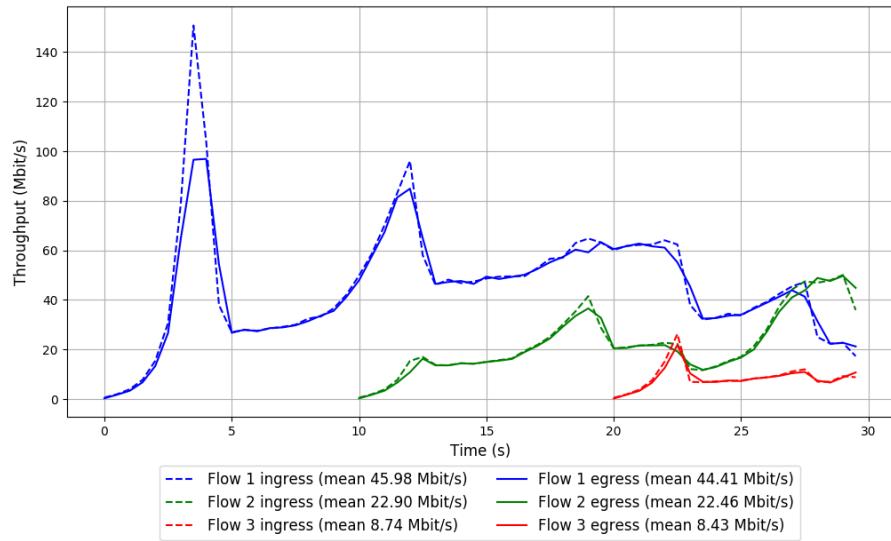


Run 7: Statistics of Vivace-loss

```
Start at: 2018-01-17 05:30:03
End at: 2018-01-17 05:30:33
Local clock offset: 0.656 ms
Remote clock offset: -0.753 ms

# Below is generated by plot.py at 2018-01-17 07:32:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.11 Mbit/s
95th percentile per-packet one-way delay: 116.527 ms
Loss rate: 3.08%
-- Flow 1:
Average throughput: 44.41 Mbit/s
95th percentile per-packet one-way delay: 116.309 ms
Loss rate: 3.43%
-- Flow 2:
Average throughput: 22.46 Mbit/s
95th percentile per-packet one-way delay: 117.527 ms
Loss rate: 1.93%
-- Flow 3:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 116.028 ms
Loss rate: 3.55%
```

Run 7: Report of Vivace-loss — Data Link

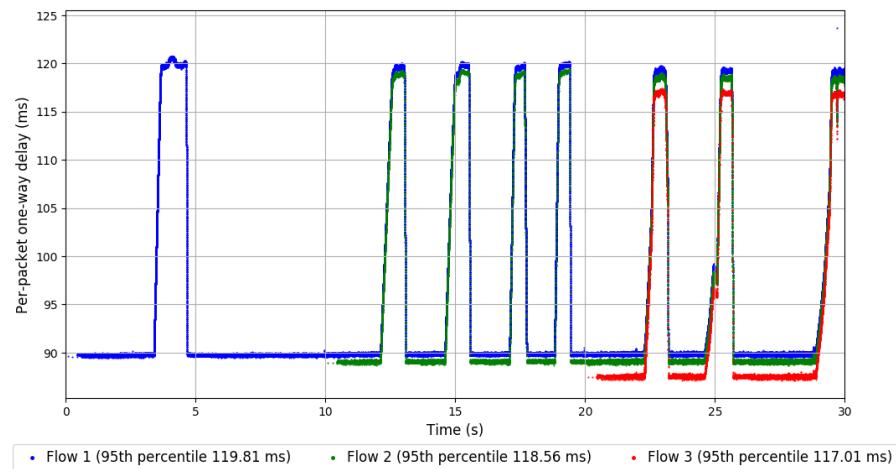
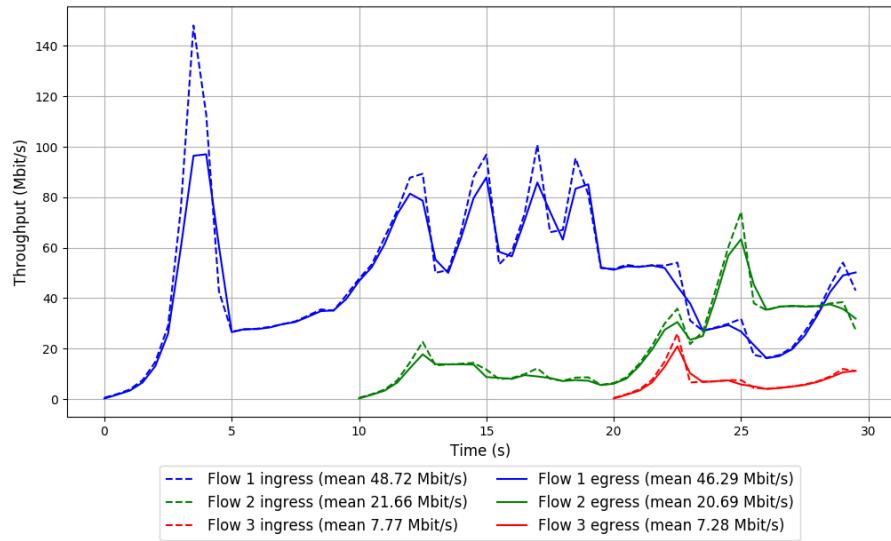


Run 8: Statistics of Vivace-loss

```
Start at: 2018-01-17 05:53:24
End at: 2018-01-17 05:53:54
Local clock offset: 0.661 ms
Remote clock offset: 0.558 ms

# Below is generated by plot.py at 2018-01-17 07:32:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 62.46 Mbit/s
95th percentile per-packet one-way delay: 119.736 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 46.29 Mbit/s
95th percentile per-packet one-way delay: 119.808 ms
Loss rate: 4.90%
-- Flow 2:
Average throughput: 20.69 Mbit/s
95th percentile per-packet one-way delay: 118.556 ms
Loss rate: 4.35%
-- Flow 3:
Average throughput: 7.28 Mbit/s
95th percentile per-packet one-way delay: 117.011 ms
Loss rate: 5.97%
```

Run 8: Report of Vivace-loss — Data Link

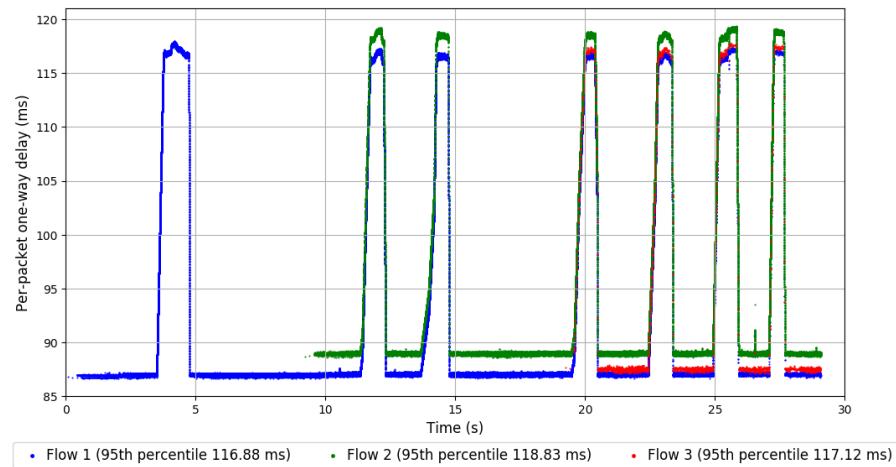
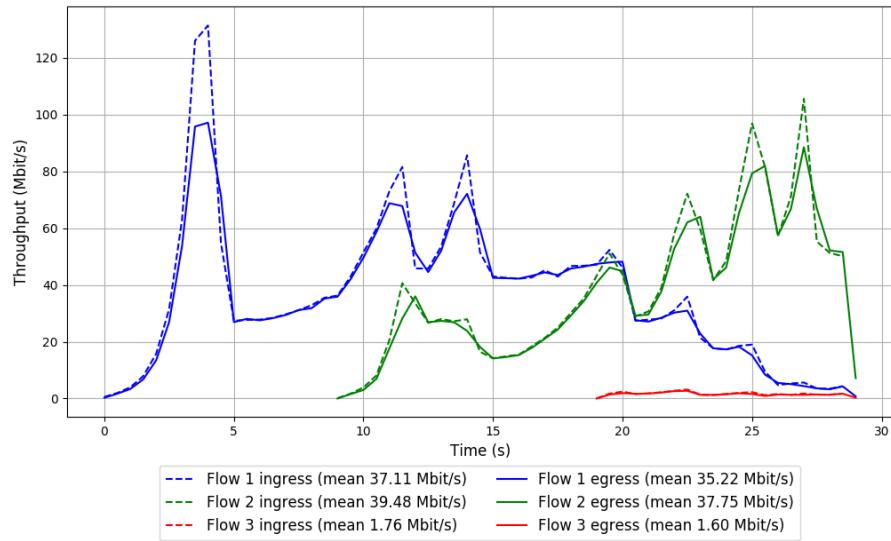


Run 9: Statistics of Vivace-loss

```
Start at: 2018-01-17 06:16:55
End at: 2018-01-17 06:17:25
Local clock offset: 0.719 ms
Remote clock offset: 0.843 ms

# Below is generated by plot.py at 2018-01-17 07:32:35
# Datalink statistics
-- Total of 3 flows:
Average throughput: 61.62 Mbit/s
95th percentile per-packet one-way delay: 118.409 ms
Loss rate: 4.84%
-- Flow 1:
Average throughput: 35.22 Mbit/s
95th percentile per-packet one-way delay: 116.876 ms
Loss rate: 5.09%
-- Flow 2:
Average throughput: 37.75 Mbit/s
95th percentile per-packet one-way delay: 118.825 ms
Loss rate: 4.39%
-- Flow 3:
Average throughput: 1.60 Mbit/s
95th percentile per-packet one-way delay: 117.124 ms
Loss rate: 9.20%
```

Run 9: Report of Vivace-loss — Data Link

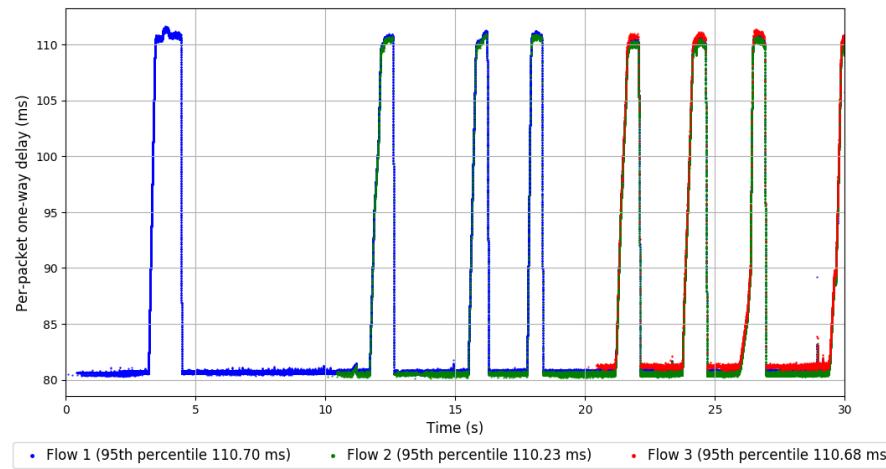
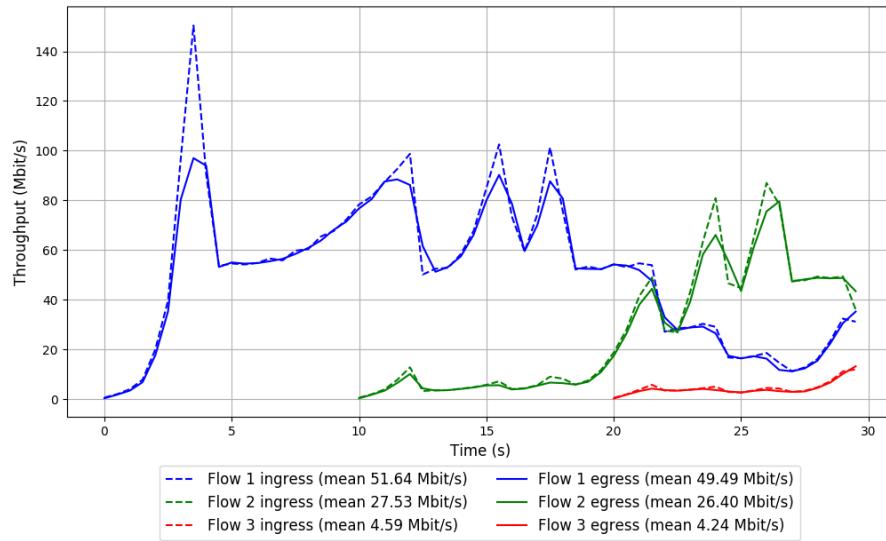


Run 10: Statistics of Vivace-loss

```
Start at: 2018-01-17 06:40:06
End at: 2018-01-17 06:40:36
Local clock offset: 0.61 ms
Remote clock offset: -4.923 ms

# Below is generated by plot.py at 2018-01-17 07:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 68.45 Mbit/s
95th percentile per-packet one-way delay: 110.583 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 49.49 Mbit/s
95th percentile per-packet one-way delay: 110.701 ms
Loss rate: 4.07%
-- Flow 2:
Average throughput: 26.40 Mbit/s
95th percentile per-packet one-way delay: 110.234 ms
Loss rate: 3.98%
-- Flow 3:
Average throughput: 4.24 Mbit/s
95th percentile per-packet one-way delay: 110.676 ms
Loss rate: 7.39%
```

Run 10: Report of Vivace-loss — Data Link

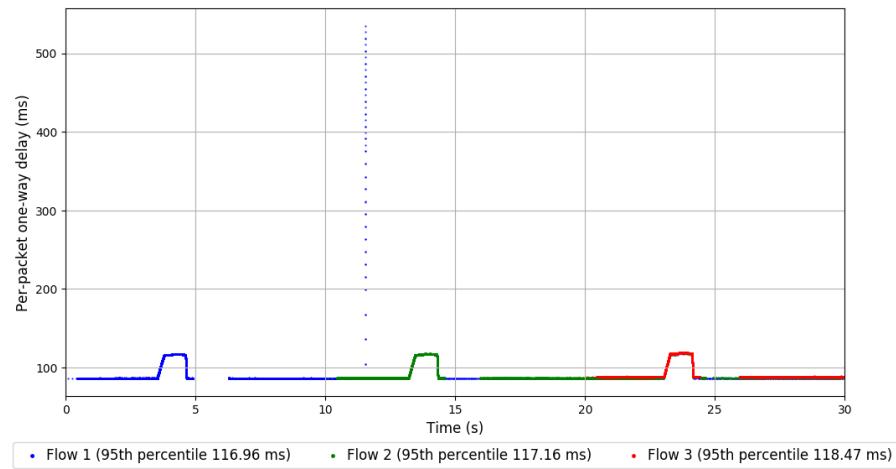
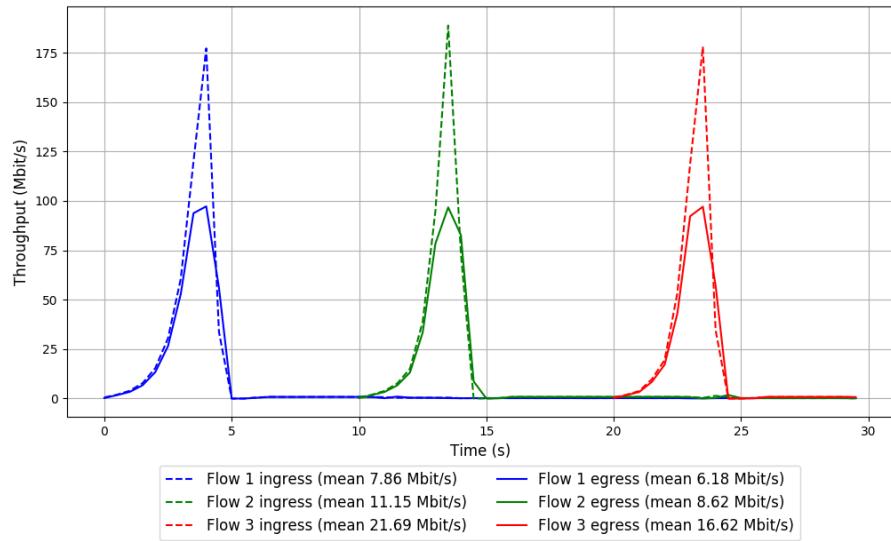


Run 1: Statistics of Vivace-LTE

```
Start at: 2018-01-17 02:54:40
End at: 2018-01-17 02:55:10
Local clock offset: 0.93 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-01-17 07:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.38 Mbit/s
95th percentile per-packet one-way delay: 117.904 ms
Loss rate: 22.44%
-- Flow 1:
Average throughput: 6.18 Mbit/s
95th percentile per-packet one-way delay: 116.959 ms
Loss rate: 21.35%
-- Flow 2:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 117.162 ms
Loss rate: 22.70%
-- Flow 3:
Average throughput: 16.62 Mbit/s
95th percentile per-packet one-way delay: 118.472 ms
Loss rate: 23.37%
```

Run 1: Report of Vivace-LTE — Data Link

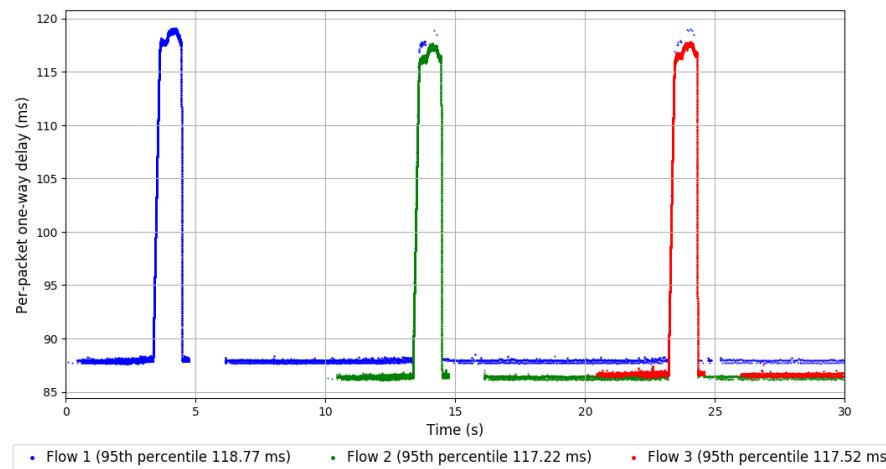
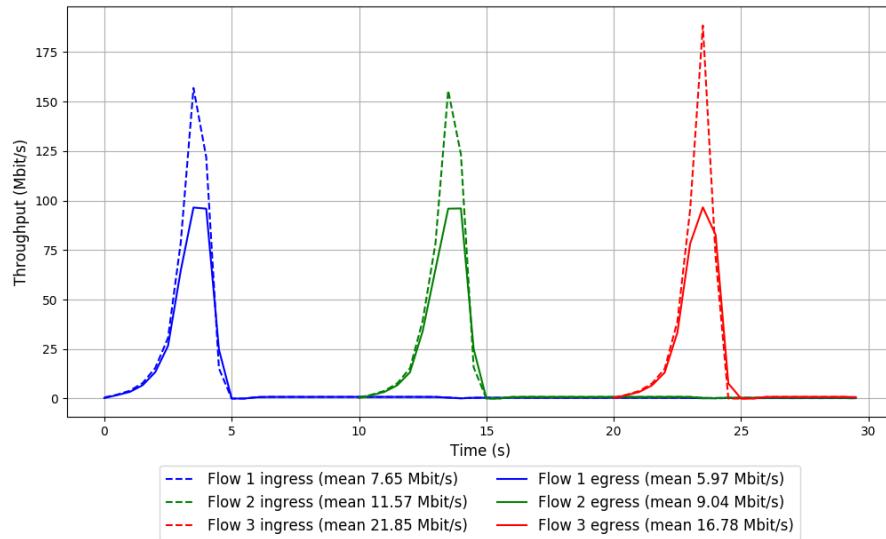


Run 2: Statistics of Vivace-LTE

```
Start at: 2018-01-17 03:17:53
End at: 2018-01-17 03:18:23
Local clock offset: 1.1 ms
Remote clock offset: 0.079 ms

# Below is generated by plot.py at 2018-01-17 07:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.51 Mbit/s
95th percentile per-packet one-way delay: 118.327 ms
Loss rate: 22.29%
-- Flow 1:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: 118.770 ms
Loss rate: 21.89%
-- Flow 2:
Average throughput: 9.04 Mbit/s
95th percentile per-packet one-way delay: 117.222 ms
Loss rate: 21.85%
-- Flow 3:
Average throughput: 16.78 Mbit/s
95th percentile per-packet one-way delay: 117.518 ms
Loss rate: 23.20%
```

Run 2: Report of Vivace-LTE — Data Link

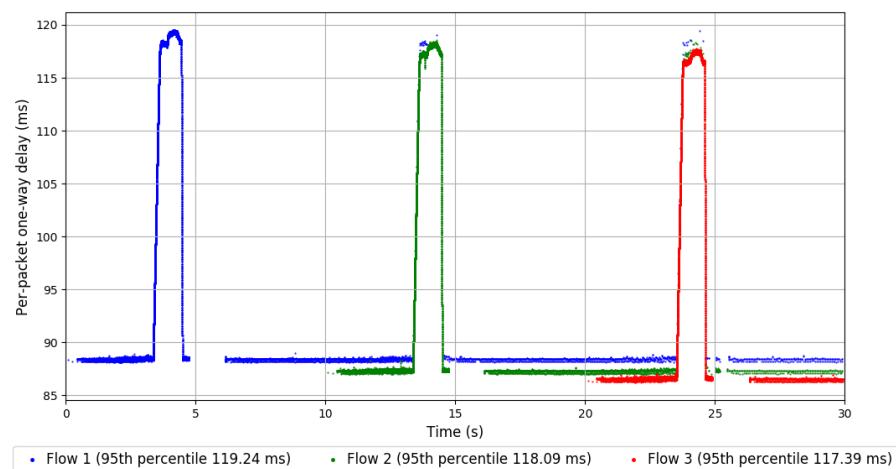
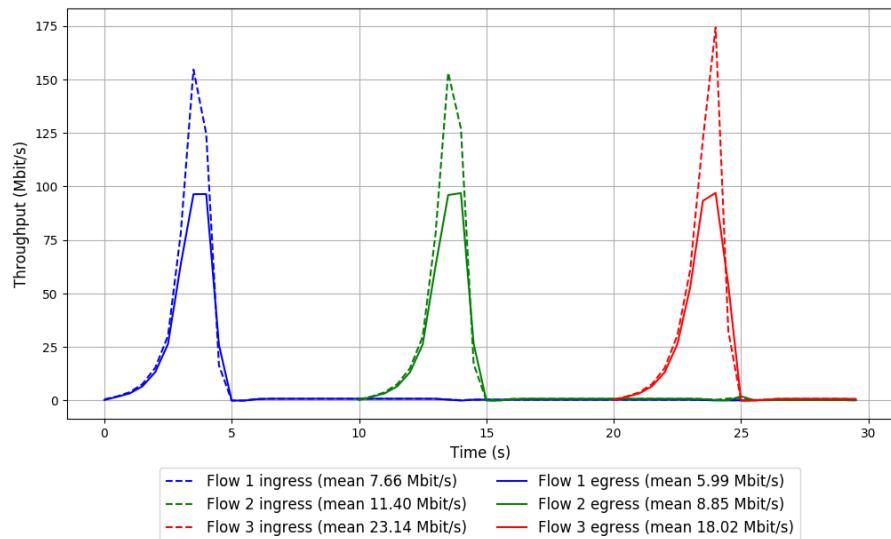


Run 3: Statistics of Vivace-LTE

```
Start at: 2018-01-17 03:41:09
End at: 2018-01-17 03:41:39
Local clock offset: 0.967 ms
Remote clock offset: -0.332 ms

# Below is generated by plot.py at 2018-01-17 07:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.79 Mbit/s
95th percentile per-packet one-way delay: 118.733 ms
Loss rate: 22.10%
-- Flow 1:
Average throughput: 5.99 Mbit/s
95th percentile per-packet one-way delay: 119.240 ms
Loss rate: 21.88%
-- Flow 2:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 118.089 ms
Loss rate: 22.30%
-- Flow 3:
Average throughput: 18.02 Mbit/s
95th percentile per-packet one-way delay: 117.393 ms
Loss rate: 22.12%
```

Run 3: Report of Vivace-LTE — Data Link

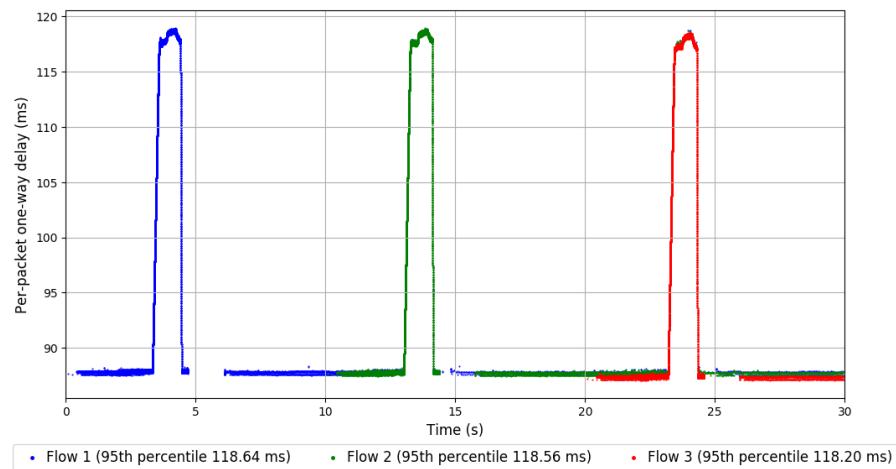
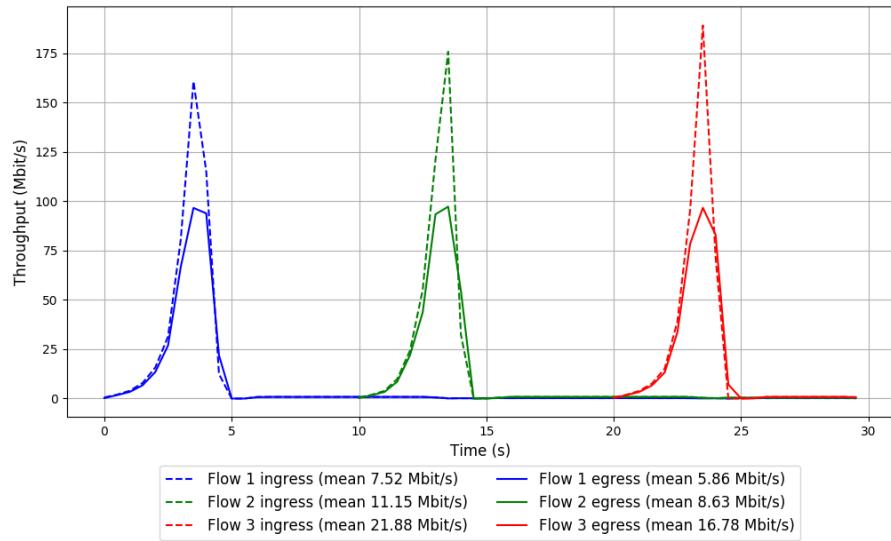


Run 4: Statistics of Vivace-LTE

```
Start at: 2018-01-17 04:04:21
End at: 2018-01-17 04:04:51
Local clock offset: 0.837 ms
Remote clock offset: -0.8 ms

# Below is generated by plot.py at 2018-01-17 07:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.12 Mbit/s
95th percentile per-packet one-way delay: 118.546 ms
Loss rate: 22.69%
-- Flow 1:
Average throughput: 5.86 Mbit/s
95th percentile per-packet one-way delay: 118.642 ms
Loss rate: 22.12%
-- Flow 2:
Average throughput: 8.63 Mbit/s
95th percentile per-packet one-way delay: 118.562 ms
Loss rate: 22.66%
-- Flow 3:
Average throughput: 16.78 Mbit/s
95th percentile per-packet one-way delay: 118.202 ms
Loss rate: 23.31%
```

Run 4: Report of Vivace-LTE — Data Link

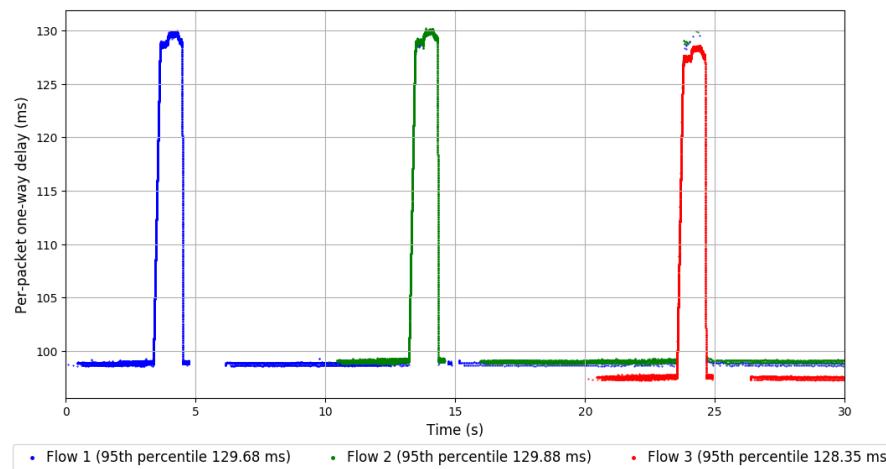
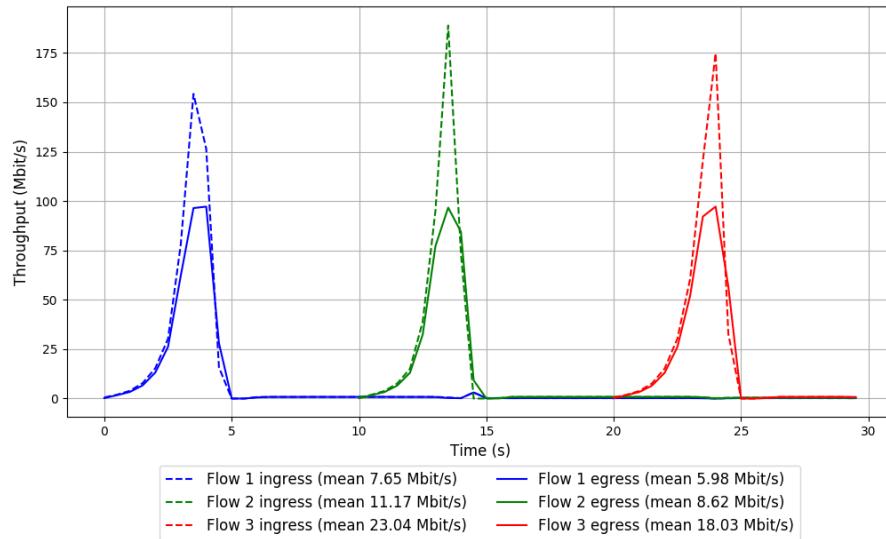


Run 5: Statistics of Vivace-LTE

```
Start at: 2018-01-17 04:27:45
End at: 2018-01-17 04:28:15
Local clock offset: 0.834 ms
Remote clock offset: 10.22 ms

# Below is generated by plot.py at 2018-01-17 07:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.65 Mbit/s
95th percentile per-packet one-way delay: 129.700 ms
Loss rate: 22.14%
-- Flow 1:
Average throughput: 5.98 Mbit/s
95th percentile per-packet one-way delay: 129.678 ms
Loss rate: 21.86%
-- Flow 2:
Average throughput: 8.62 Mbit/s
95th percentile per-packet one-way delay: 129.876 ms
Loss rate: 22.81%
-- Flow 3:
Average throughput: 18.03 Mbit/s
95th percentile per-packet one-way delay: 128.348 ms
Loss rate: 21.77%
```

Run 5: Report of Vivace-LTE — Data Link

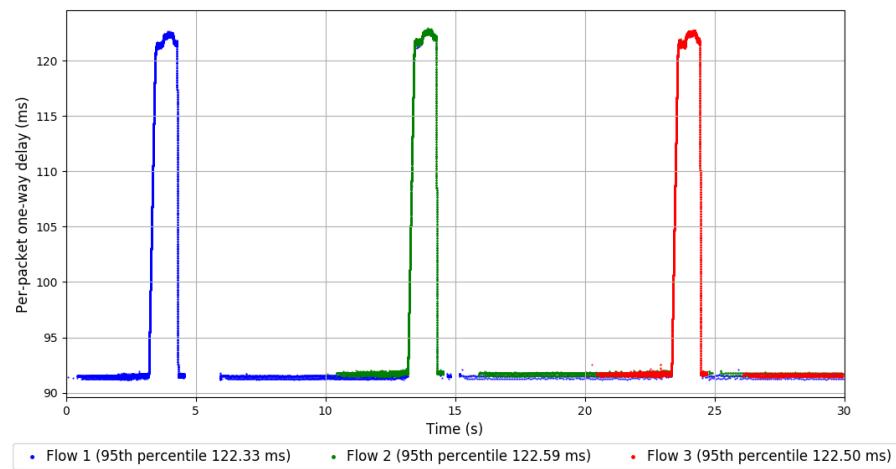
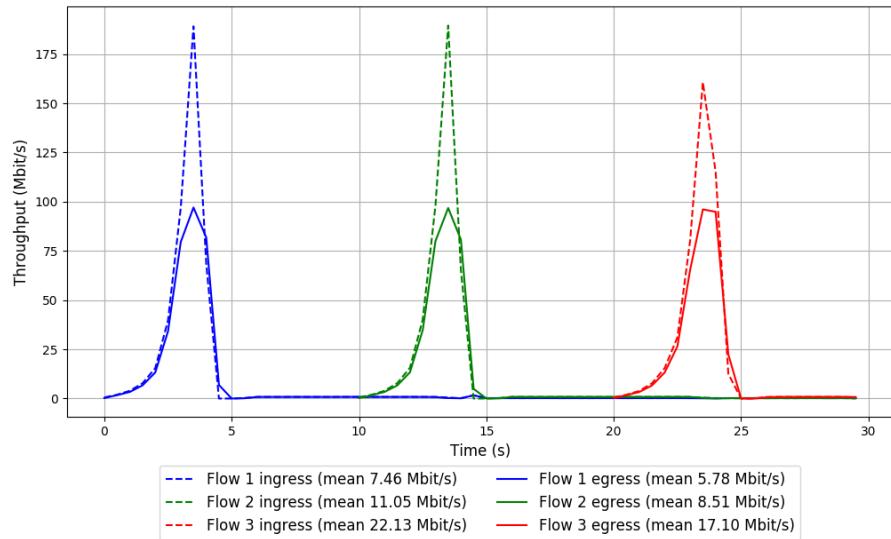


Run 6: Statistics of Vivace-LTE

```
Start at: 2018-01-17 04:51:09
End at: 2018-01-17 04:51:39
Local clock offset: 0.744 ms
Remote clock offset: 4.364 ms

# Below is generated by plot.py at 2018-01-17 07:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.08 Mbit/s
95th percentile per-packet one-way delay: 122.497 ms
Loss rate: 22.70%
-- Flow 1:
Average throughput: 5.78 Mbit/s
95th percentile per-packet one-way delay: 122.329 ms
Loss rate: 22.47%
-- Flow 2:
Average throughput: 8.51 Mbit/s
95th percentile per-packet one-way delay: 122.594 ms
Loss rate: 22.93%
-- Flow 3:
Average throughput: 17.10 Mbit/s
95th percentile per-packet one-way delay: 122.497 ms
Loss rate: 22.71%
```

Run 6: Report of Vivace-LTE — Data Link

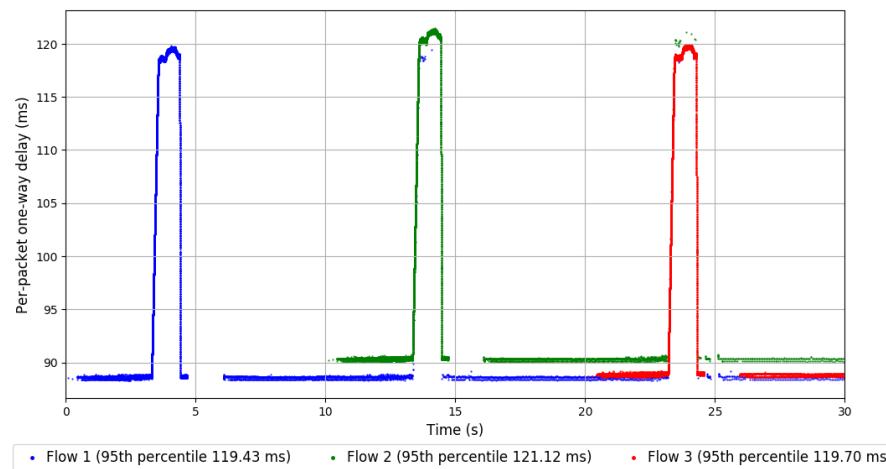
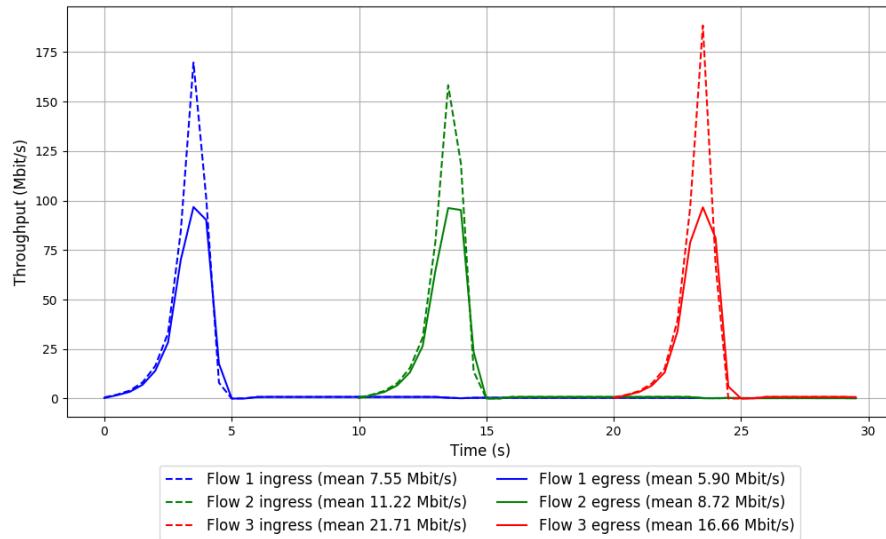


Run 7: Statistics of Vivace-LTE

```
Start at: 2018-01-17 05:14:27
End at: 2018-01-17 05:14:57
Local clock offset: 0.652 ms
Remote clock offset: 1.467 ms

# Below is generated by plot.py at 2018-01-17 07:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.19 Mbit/s
95th percentile per-packet one-way delay: 120.810 ms
Loss rate: 22.47%
-- Flow 1:
Average throughput: 5.90 Mbit/s
95th percentile per-packet one-way delay: 119.434 ms
Loss rate: 21.88%
-- Flow 2:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 121.123 ms
Loss rate: 22.30%
-- Flow 3:
Average throughput: 16.66 Mbit/s
95th percentile per-packet one-way delay: 119.697 ms
Loss rate: 23.26%
```

Run 7: Report of Vivace-LTE — Data Link

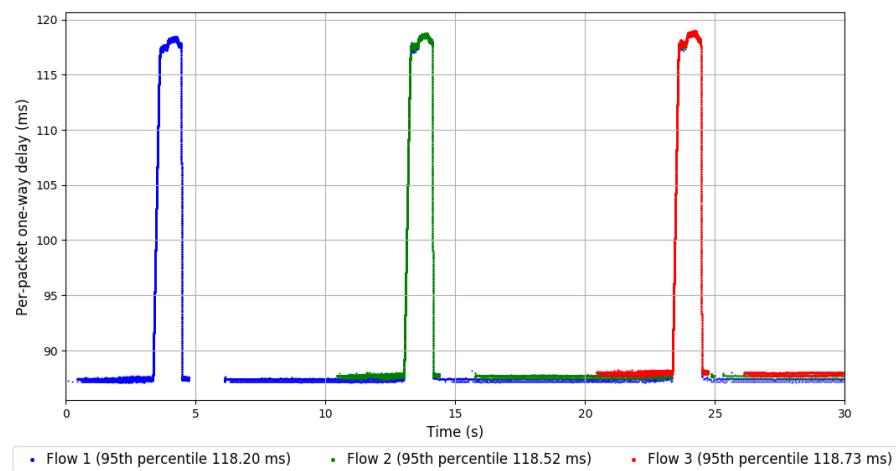
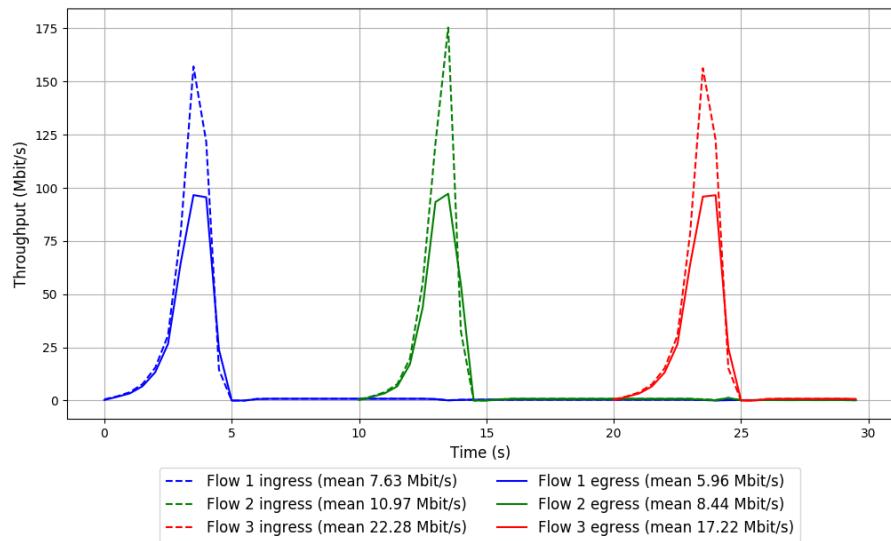


Run 8: Statistics of Vivace-LTE

```
Start at: 2018-01-17 05:37:51
End at: 2018-01-17 05:38:21
Local clock offset: 0.648 ms
Remote clock offset: -0.978 ms

# Below is generated by plot.py at 2018-01-17 07:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.24 Mbit/s
95th percentile per-packet one-way delay: 118.565 ms
Loss rate: 22.57%
-- Flow 1:
Average throughput: 5.96 Mbit/s
95th percentile per-packet one-way delay: 118.205 ms
Loss rate: 21.94%
-- Flow 2:
Average throughput: 8.44 Mbit/s
95th percentile per-packet one-way delay: 118.523 ms
Loss rate: 23.09%
-- Flow 3:
Average throughput: 17.22 Mbit/s
95th percentile per-packet one-way delay: 118.732 ms
Loss rate: 22.71%
```

Run 8: Report of Vivace-LTE — Data Link

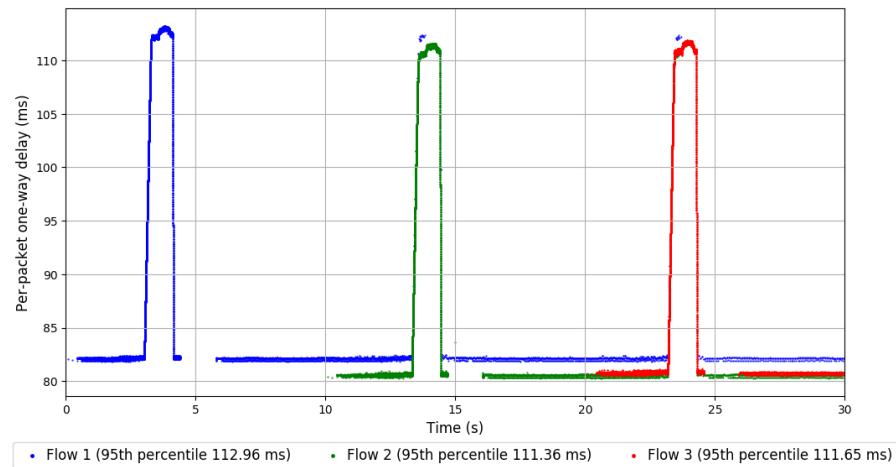
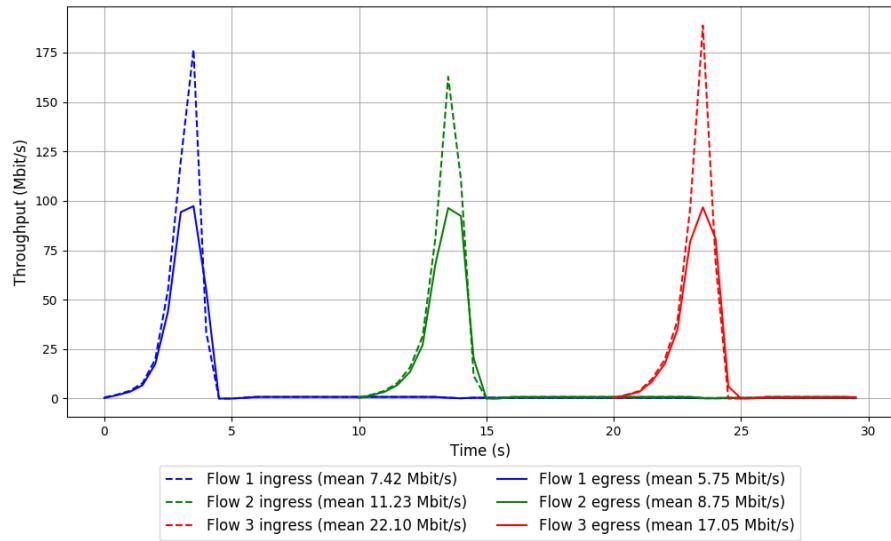


Run 9: Statistics of Vivace-LTE

```
Start at: 2018-01-17 06:01:10
End at: 2018-01-17 06:01:40
Local clock offset: 0.623 ms
Remote clock offset: -6.256 ms

# Below is generated by plot.py at 2018-01-17 07:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.19 Mbit/s
95th percentile per-packet one-way delay: 112.650 ms
Loss rate: 22.45%
-- Flow 1:
Average throughput: 5.75 Mbit/s
95th percentile per-packet one-way delay: 112.957 ms
Loss rate: 22.42%
-- Flow 2:
Average throughput: 8.75 Mbit/s
95th percentile per-packet one-way delay: 111.360 ms
Loss rate: 22.10%
-- Flow 3:
Average throughput: 17.05 Mbit/s
95th percentile per-packet one-way delay: 111.650 ms
Loss rate: 22.85%
```

Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

```
Start at: 2018-01-17 06:24:40
End at: 2018-01-17 06:25:10
Local clock offset: 0.713 ms
Remote clock offset: -4.56 ms

# Below is generated by plot.py at 2018-01-17 07:32:59
# Datalink statistics
-- Total of 3 flows:
Average throughput: 17.46 Mbit/s
95th percentile per-packet one-way delay: 113.895 ms
Loss rate: 22.21%
-- Flow 1:
Average throughput: 5.97 Mbit/s
95th percentile per-packet one-way delay: 114.174 ms
Loss rate: 21.73%
-- Flow 2:
Average throughput: 8.74 Mbit/s
95th percentile per-packet one-way delay: 112.555 ms
Loss rate: 22.24%
-- Flow 3:
Average throughput: 17.24 Mbit/s
95th percentile per-packet one-way delay: 112.485 ms
Loss rate: 22.66%
```

Run 10: Report of Vivace-LTE — Data Link

