

## Pantheon Report

Generated at 2018-06-05 14:54:52 (UTC).

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

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 3 flows with 10-second interval between two flows.

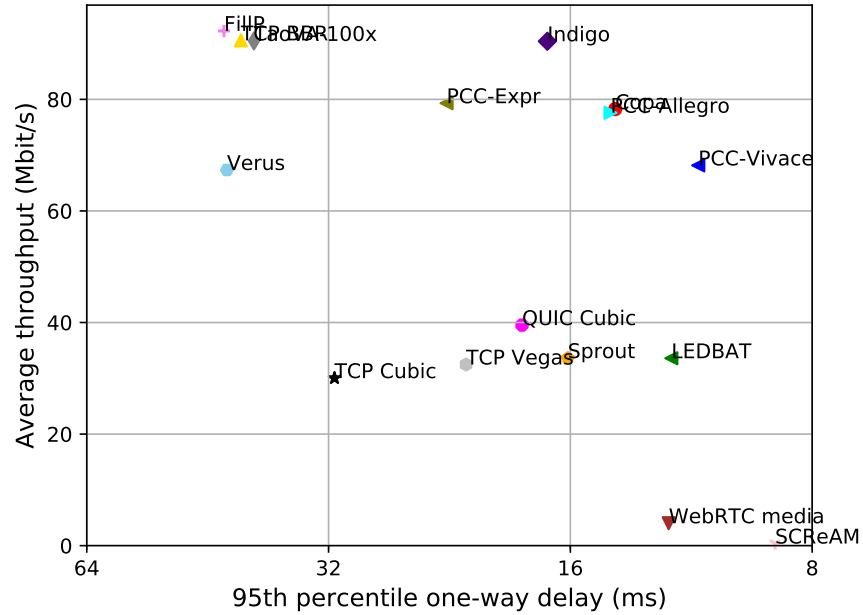
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

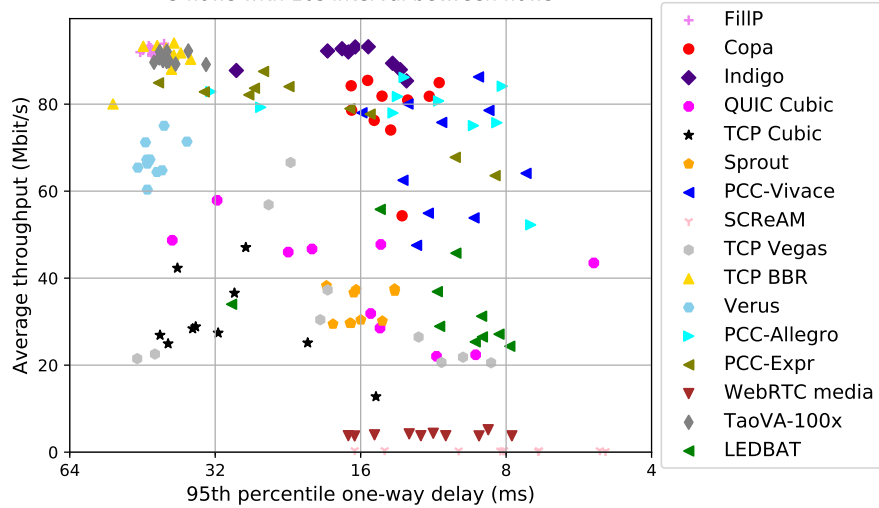
Git summary:

```
branch: master @ 227fdf9a3757f17b88537cceed5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ c838669682f0c19f6baf92afc9a596a406d48c1f
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 @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS India 1 to India, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows (mean of all runs by scheme)



test from AWS India 1 to India, 10 runs of 30s each per scheme  
 3 flows with 10s interval between flows





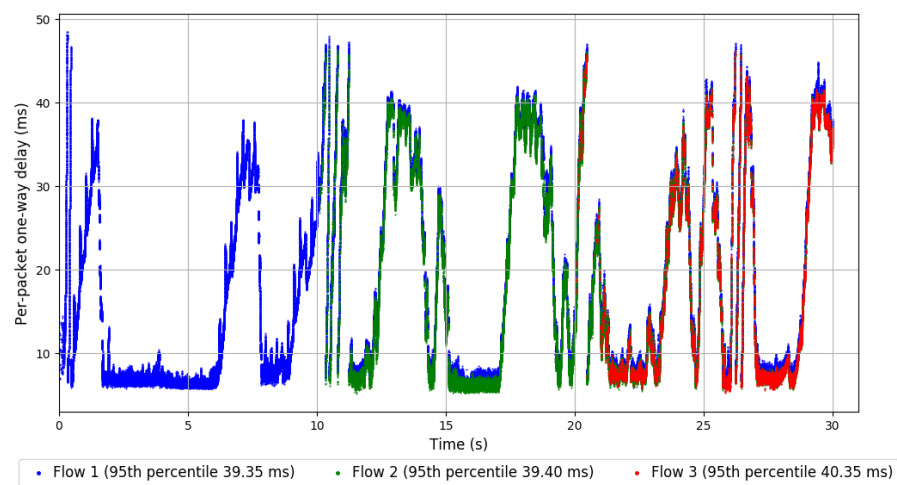
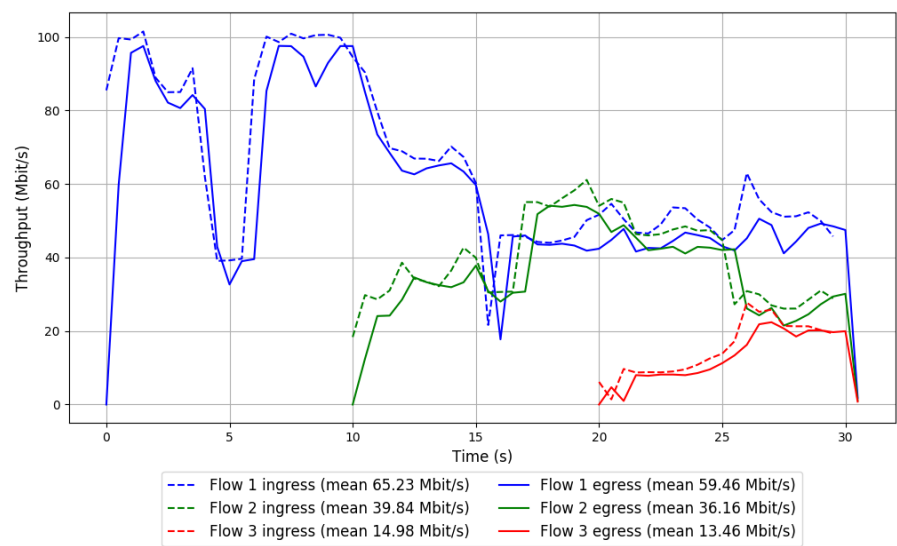
| scheme       | # runs | mean avg tput (Mbit/s) |        |        | mean 95th-%ile delay (ms) |        |        | mean loss rate (%) |        |        |
|--------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
|              |        | flow 1                 | flow 2 | flow 3 | flow 1                    | flow 2 | flow 3 | flow 1             | flow 2 | flow 3 |
| TCP BBR      | 10     | 60.20                  | 33.75  | 24.66  | 40.31                     | 42.17  | 42.44  | 9.32               | 10.36  | 10.89  |
| Copa         | 10     | 48.03                  | 33.33  | 24.13  | 14.56                     | 13.55  | 13.71  | 5.97               | 7.04   | 7.86   |
| TCP Cubic    | 10     | 15.76                  | 14.31  | 14.26  | 28.10                     | 28.51  | 27.52  | 0.83               | 0.50   | 0.58   |
| FillP        | 10     | 58.30                  | 37.23  | 27.86  | 42.36                     | 44.00  | 44.21  | 22.28              | 31.04  | 34.86  |
| Indigo       | 9      | 54.72                  | 36.63  | 34.80  | 16.05                     | 17.62  | 19.26  | 7.45               | 8.53   | 9.28   |
| LEDBAT       | 10     | 19.64                  | 15.14  | 11.89  | 12.10                     | 11.93  | 10.72  | 0.26               | 0.37   | 0.61   |
| PCC-Allegro  | 10     | 65.20                  | 16.42  | 4.50   | 13.94                     | 15.26  | 16.24  | 6.43               | 6.63   | 6.75   |
| PCC-Expr     | 10     | 59.57                  | 23.05  | 13.46  | 22.83                     | 22.92  | 19.24  | 6.61               | 4.84   | 5.06   |
| QUIC Cubic   | 10     | 22.44                  | 17.39  | 16.80  | 24.18                     | 13.53  | 13.42  | 2.08               | 1.44   | 1.37   |
| SCReAM       | 10     | 0.18                   | 0.19   | 0.20   | 8.82                      | 9.02   | 8.81   | 0.38               | 0.39   | 0.43   |
| Sprout       | 10     | 17.03                  | 16.82  | 16.34  | 15.82                     | 16.17  | 17.12  | 0.98               | 1.18   | 1.78   |
| TaoVA-100x   | 10     | 53.71                  | 39.51  | 31.52  | 36.51                     | 40.62  | 42.80  | 12.13              | 17.53  | 21.26  |
| TCP Vegas    | 10     | 17.74                  | 15.00  | 14.25  | 21.27                     | 15.12  | 16.94  | 0.79               | 0.70   | 1.04   |
| Verus        | 10     | 44.69                  | 28.04  | 13.21  | 40.93                     | 44.01  | 42.12  | 28.37              | 32.40  | 35.26  |
| PCC-Vivace   | 10     | 47.37                  | 26.30  | 10.01  | 10.62                     | 12.52  | 12.83  | 4.46               | 4.76   | 4.87   |
| WebRTC media | 10     | 2.17                   | 1.38   | 0.49   | 12.07                     | 11.92  | 12.22  | 0.19               | 0.19   | 0.12   |

Run 1: Statistics of TCP BBR

Start at: 2018-06-05 11:32:17  
End at: 2018-06-05 11:32:47  
Local clock offset: 0.636 ms  
Remote clock offset: -16.972 ms

# Below is generated by plot.py at 2018-06-05 14:36:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.02 Mbit/s  
95th percentile per-packet one-way delay: 39.429 ms  
Loss rate: 8.94%  
-- Flow 1:  
Average throughput: 59.46 Mbit/s  
95th percentile per-packet one-way delay: 39.351 ms  
Loss rate: 8.75%  
-- Flow 2:  
Average throughput: 36.16 Mbit/s  
95th percentile per-packet one-way delay: 39.401 ms  
Loss rate: 9.21%  
-- Flow 3:  
Average throughput: 13.46 Mbit/s  
95th percentile per-packet one-way delay: 40.347 ms  
Loss rate: 9.97%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-06-05 11:51:42

End at: 2018-06-05 11:52:12

Local clock offset: -1.737 ms

Remote clock offset: -7.82 ms

# Below is generated by plot.py at 2018-06-05 14:36:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 90.31 Mbit/s

95th percentile per-packet one-way delay: 35.977 ms

Loss rate: 12.85%

-- Flow 1:

Average throughput: 64.30 Mbit/s

95th percentile per-packet one-way delay: 34.354 ms

Loss rate: 12.46%

-- Flow 2:

Average throughput: 26.56 Mbit/s

95th percentile per-packet one-way delay: 37.804 ms

Loss rate: 13.17%

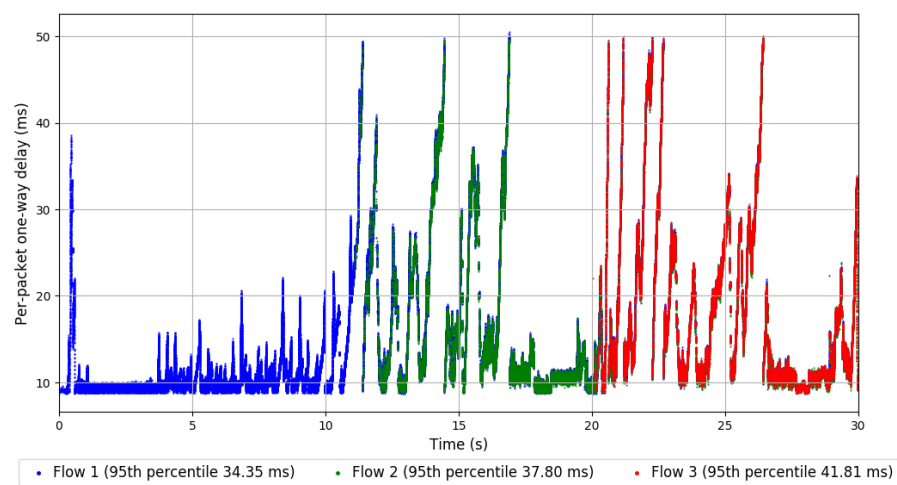
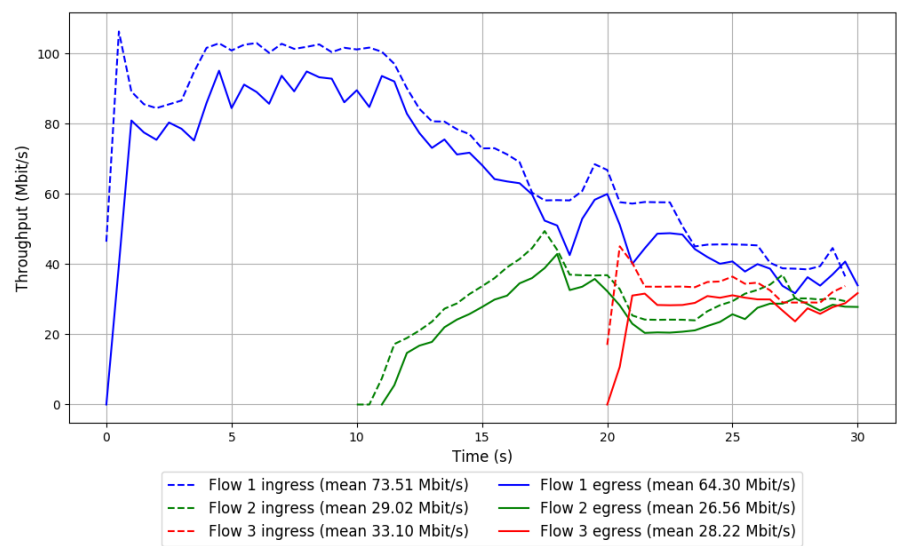
-- Flow 3:

Average throughput: 28.22 Mbit/s

95th percentile per-packet one-way delay: 41.807 ms

Loss rate: 14.86%

Run 2: Report of TCP BBR — Data Link

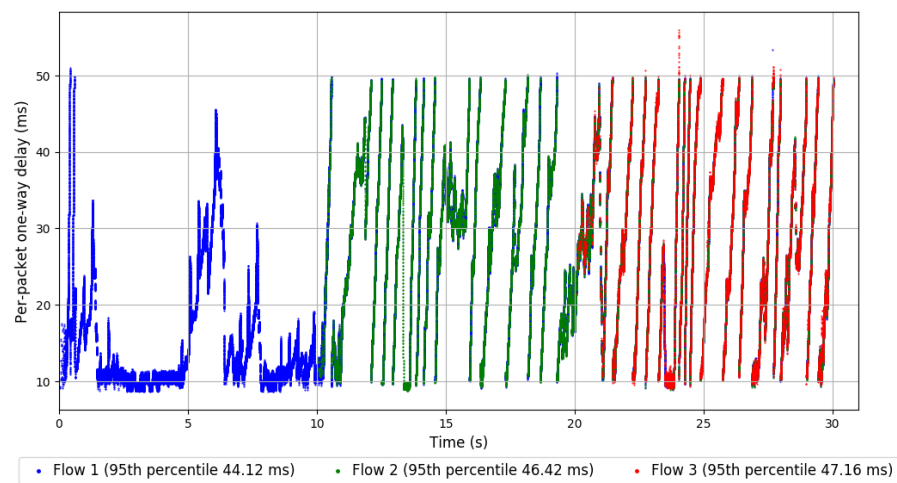
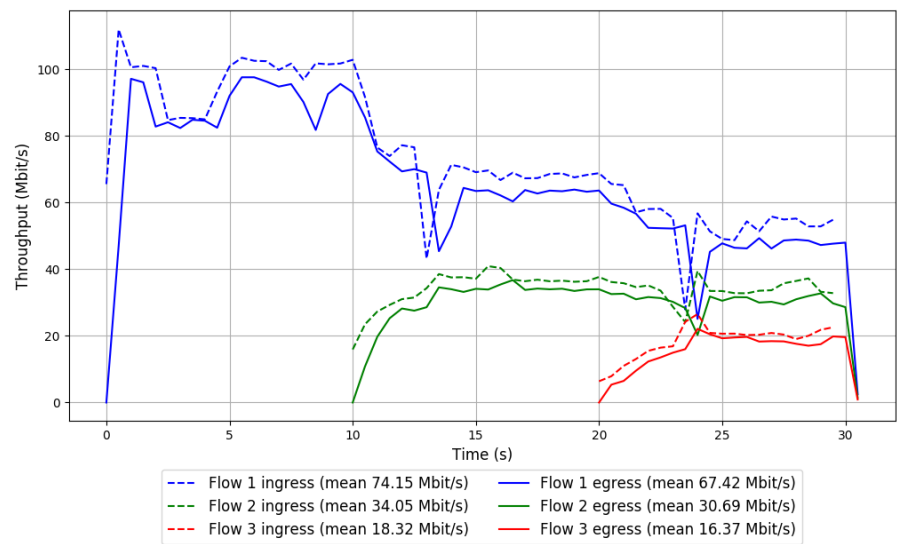


Run 3: Statistics of TCP BBR

Start at: 2018-06-05 12:10:24  
End at: 2018-06-05 12:10:54  
Local clock offset: -3.586 ms  
Remote clock offset: -7.942 ms

# Below is generated by plot.py at 2018-06-05 14:36:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.31 Mbit/s  
95th percentile per-packet one-way delay: 45.089 ms  
Loss rate: 9.27%  
-- Flow 1:  
Average throughput: 67.42 Mbit/s  
95th percentile per-packet one-way delay: 44.117 ms  
Loss rate: 9.01%  
-- Flow 2:  
Average throughput: 30.69 Mbit/s  
95th percentile per-packet one-way delay: 46.417 ms  
Loss rate: 9.76%  
-- Flow 3:  
Average throughput: 16.37 Mbit/s  
95th percentile per-packet one-way delay: 47.155 ms  
Loss rate: 10.55%

Run 3: Report of TCP BBR — Data Link



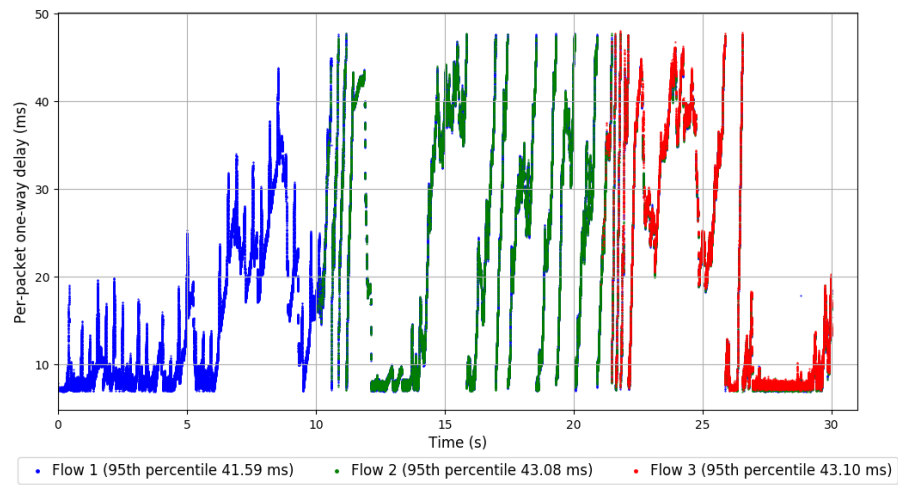
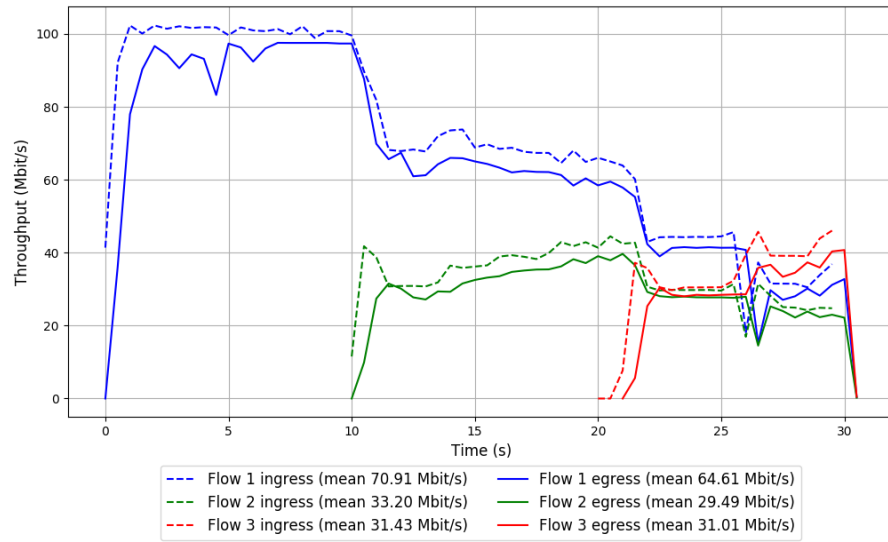
Run 4: Statistics of TCP BBR

Start at: 2018-06-05 12:29:36  
End at: 2018-06-05 12:30:06  
Local clock offset: -0.826 ms  
Remote clock offset: -3.786 ms

# Below is generated by plot.py at 2018-06-05 14:36:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.49 Mbit/s  
95th percentile per-packet one-way delay: 42.196 ms  
Loss rate: 9.63%  
-- Flow 1:  
Average throughput: 64.61 Mbit/s  
95th percentile per-packet one-way delay: 41.593 ms  
Loss rate: 8.87%  
-- Flow 2:  
Average throughput: 29.49 Mbit/s  
95th percentile per-packet one-way delay: 43.079 ms  
Loss rate: 11.21%  
-- Flow 3:  
Average throughput: 31.01 Mbit/s  
95th percentile per-packet one-way delay: 43.101 ms  
Loss rate: 11.42%



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

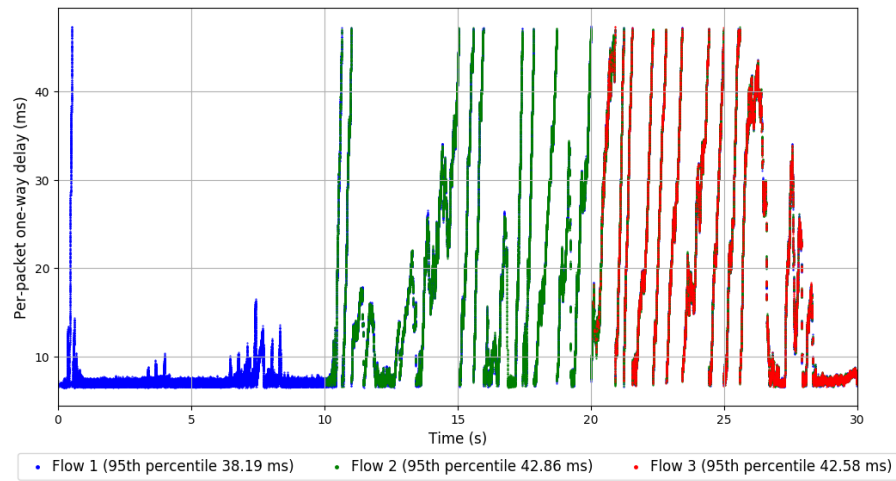
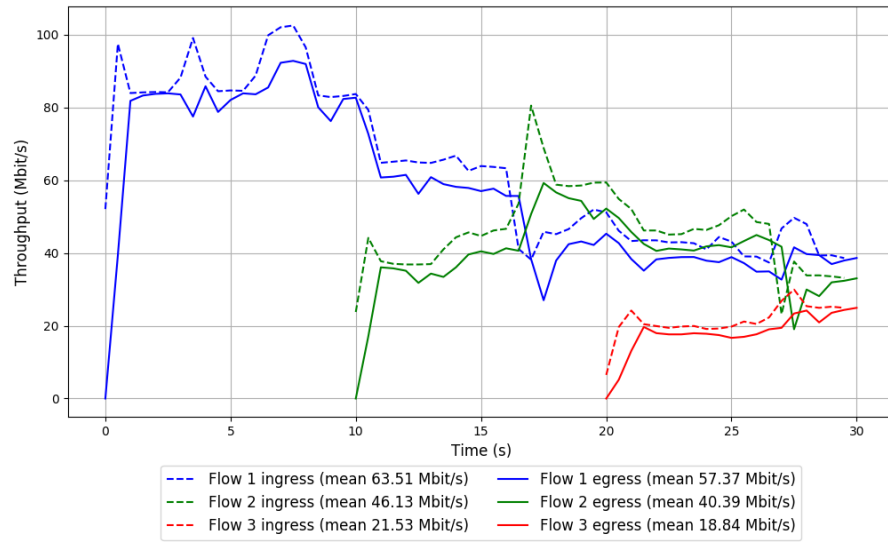


Run 5: Statistics of TCP BBR

Start at: 2018-06-05 12:48:17  
End at: 2018-06-05 12:48:47  
Local clock offset: 1.678 ms  
Remote clock offset: -3.377 ms

# Below is generated by plot.py at 2018-06-05 14:36:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.54 Mbit/s  
95th percentile per-packet one-way delay: 40.609 ms  
Loss rate: 10.71%  
-- Flow 1:  
Average throughput: 57.37 Mbit/s  
95th percentile per-packet one-way delay: 38.191 ms  
Loss rate: 9.66%  
-- Flow 2:  
Average throughput: 40.39 Mbit/s  
95th percentile per-packet one-way delay: 42.864 ms  
Loss rate: 12.45%  
-- Flow 3:  
Average throughput: 18.84 Mbit/s  
95th percentile per-packet one-way delay: 42.576 ms  
Loss rate: 12.52%

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

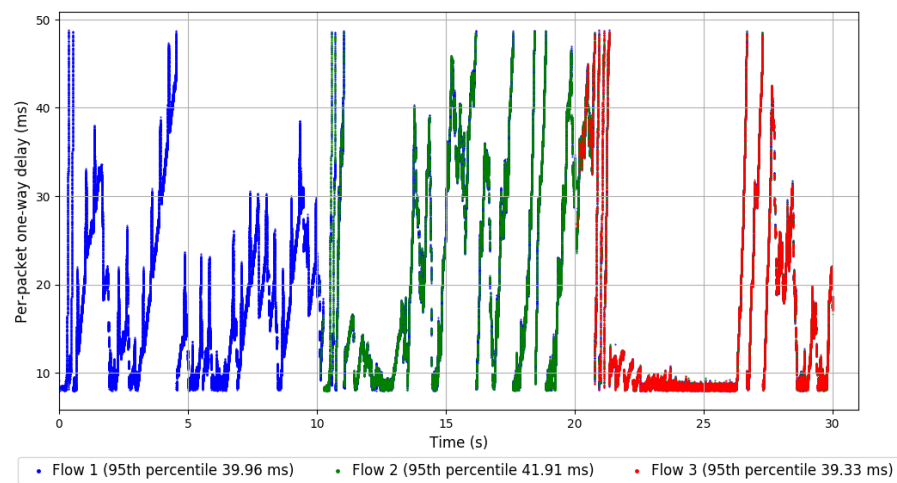
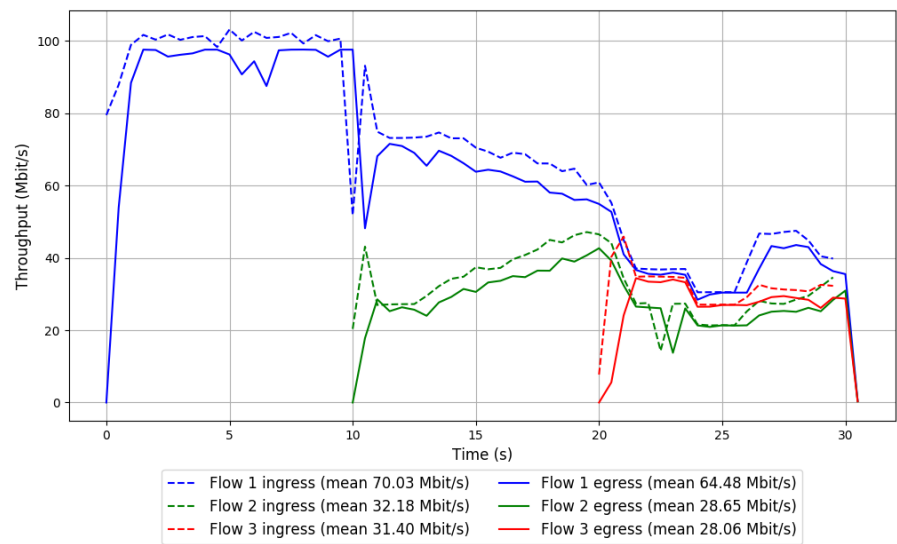


Run 6: Statistics of TCP BBR

Start at: 2018-06-05 13:07:09  
End at: 2018-06-05 13:07:39  
Local clock offset: 1.472 ms  
Remote clock offset: -2.414 ms

# Below is generated by plot.py at 2018-06-05 14:36:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.89 Mbit/s  
95th percentile per-packet one-way delay: 40.373 ms  
Loss rate: 8.84%  
-- Flow 1:  
Average throughput: 64.48 Mbit/s  
95th percentile per-packet one-way delay: 39.964 ms  
Loss rate: 7.90%  
-- Flow 2:  
Average throughput: 28.65 Mbit/s  
95th percentile per-packet one-way delay: 41.911 ms  
Loss rate: 10.98%  
-- Flow 3:  
Average throughput: 28.06 Mbit/s  
95th percentile per-packet one-way delay: 39.325 ms  
Loss rate: 10.71%

Run 6: Report of TCP BBR — Data Link

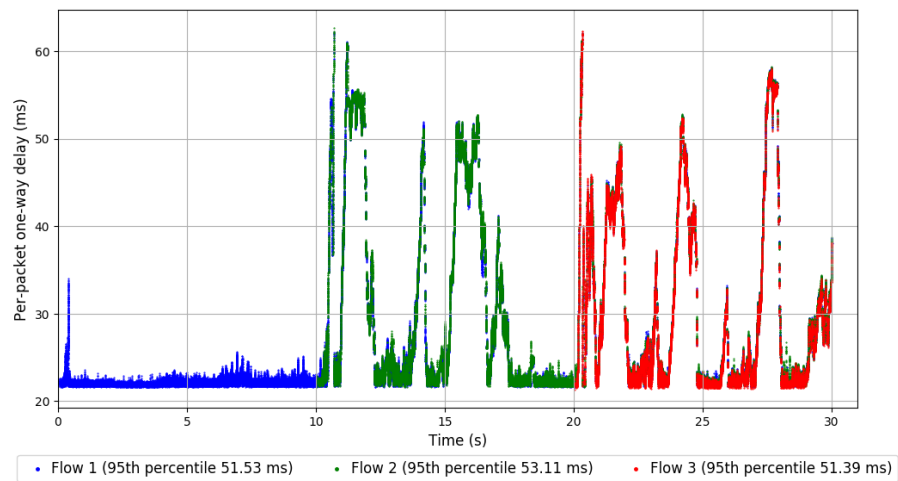
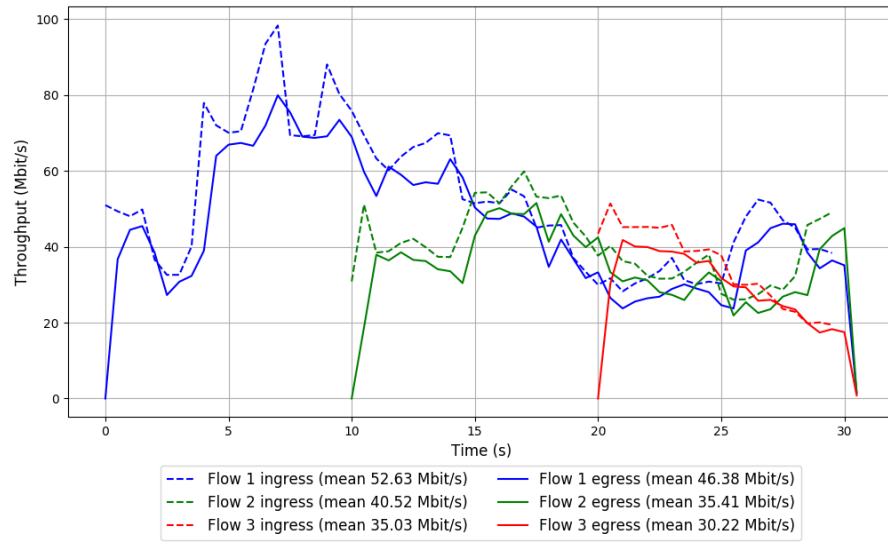


Run 7: Statistics of TCP BBR

Start at: 2018-06-05 13:26:08  
End at: 2018-06-05 13:26:38  
Local clock offset: -12.187 ms  
Remote clock offset: -1.154 ms

# Below is generated by plot.py at 2018-06-05 14:36:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.04 Mbit/s  
95th percentile per-packet one-way delay: 52.076 ms  
Loss rate: 12.27%  
-- Flow 1:  
Average throughput: 46.38 Mbit/s  
95th percentile per-packet one-way delay: 51.535 ms  
Loss rate: 11.83%  
-- Flow 2:  
Average throughput: 35.41 Mbit/s  
95th percentile per-packet one-way delay: 53.113 ms  
Loss rate: 12.55%  
-- Flow 3:  
Average throughput: 30.22 Mbit/s  
95th percentile per-packet one-way delay: 51.393 ms  
Loss rate: 13.63%

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



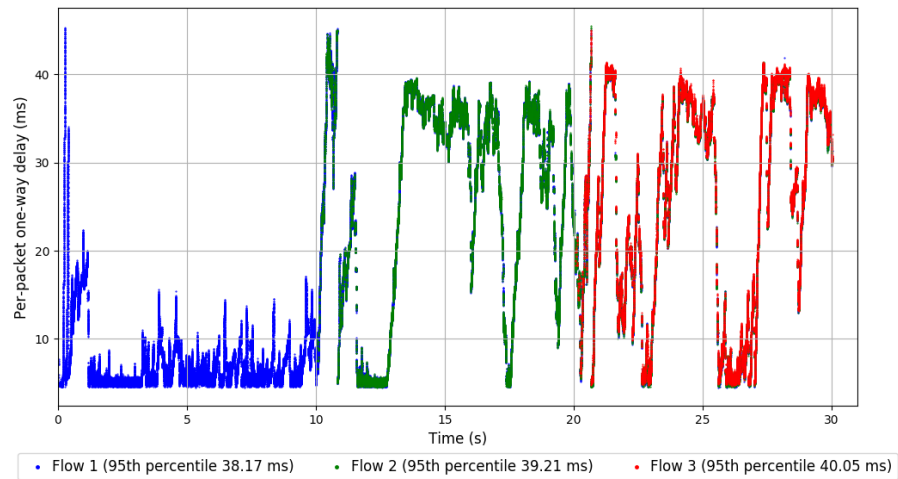
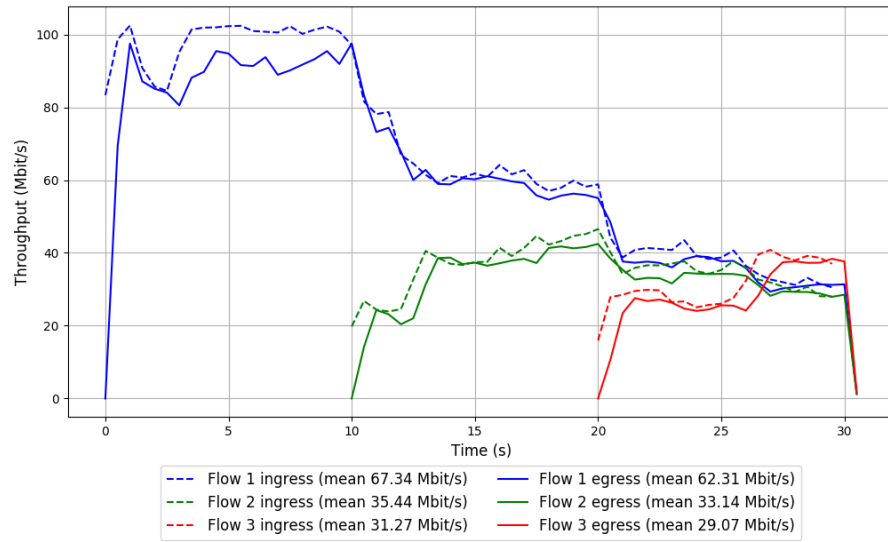
Run 8: Statistics of TCP BBR

Start at: 2018-06-05 13:45:04  
End at: 2018-06-05 13:45:34  
Local clock offset: -0.894 ms  
Remote clock offset: -3.913 ms

# Below is generated by plot.py at 2018-06-05 14:36:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.06 Mbit/s  
95th percentile per-packet one-way delay: 38.940 ms  
Loss rate: 7.11%  
-- Flow 1:  
Average throughput: 62.31 Mbit/s  
95th percentile per-packet one-way delay: 38.170 ms  
Loss rate: 7.39%  
-- Flow 2:  
Average throughput: 33.14 Mbit/s  
95th percentile per-packet one-way delay: 39.213 ms  
Loss rate: 6.40%  
-- Flow 3:  
Average throughput: 29.07 Mbit/s  
95th percentile per-packet one-way delay: 40.055 ms  
Loss rate: 6.90%



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

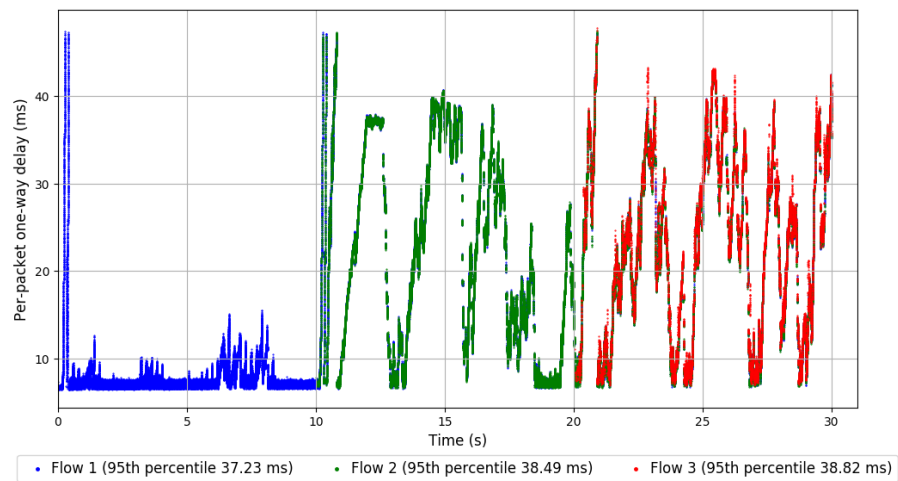
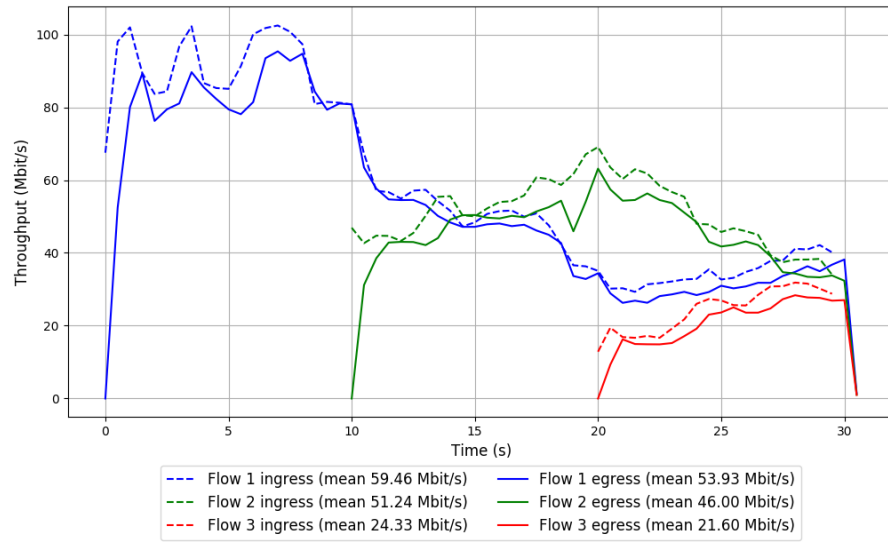


Run 9: Statistics of TCP BBR

Start at: 2018-06-05 14:03:54  
End at: 2018-06-05 14:04:24  
Local clock offset: -2.441 ms  
Remote clock offset: -14.411 ms

# Below is generated by plot.py at 2018-06-05 14:37:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.77 Mbit/s  
95th percentile per-packet one-way delay: 37.712 ms  
Loss rate: 9.65%  
-- Flow 1:  
Average throughput: 53.93 Mbit/s  
95th percentile per-packet one-way delay: 37.233 ms  
Loss rate: 9.22%  
-- Flow 2:  
Average throughput: 46.00 Mbit/s  
95th percentile per-packet one-way delay: 38.487 ms  
Loss rate: 10.10%  
-- Flow 3:  
Average throughput: 21.60 Mbit/s  
95th percentile per-packet one-way delay: 38.817 ms  
Loss rate: 10.99%

# Run 9: Report of TCP BBR — Data Link

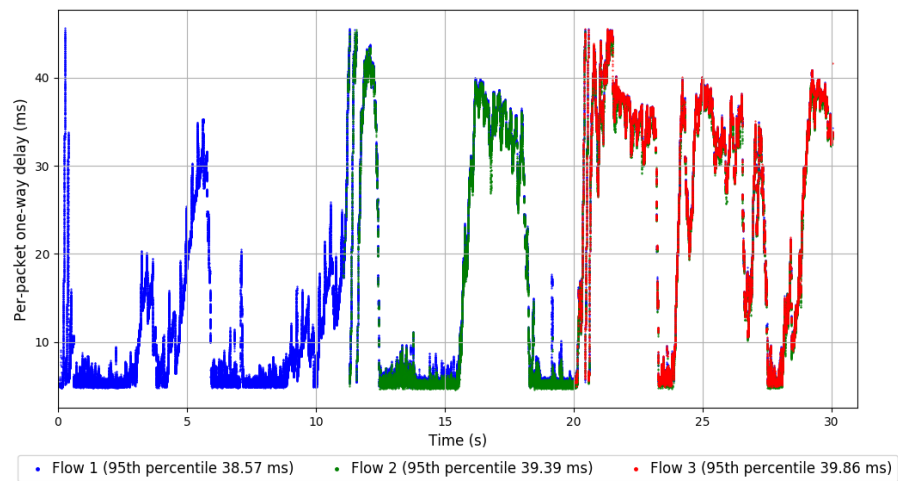
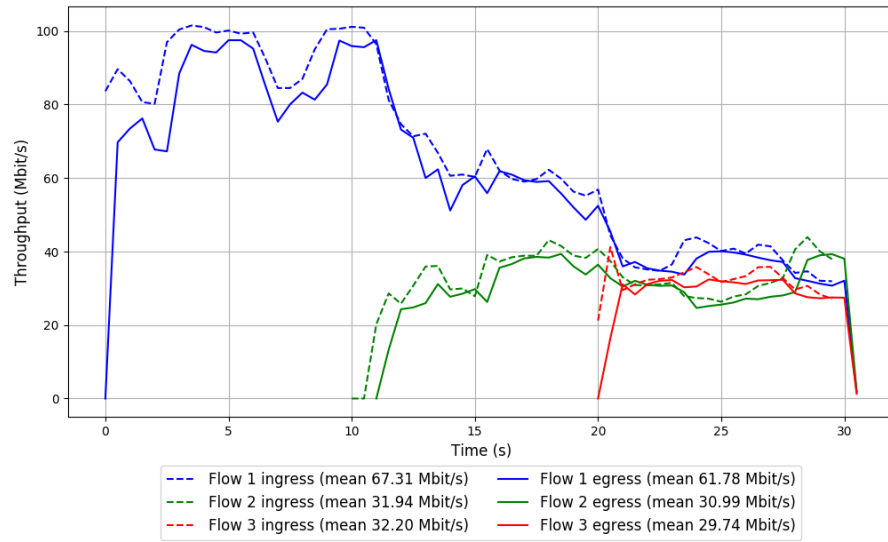


Run 10: Statistics of TCP BBR

Start at: 2018-06-05 14:22:34  
End at: 2018-06-05 14:23:04  
Local clock offset: 0.112 ms  
Remote clock offset: -20.23 ms

# Below is generated by plot.py at 2018-06-05 14:37:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.28 Mbit/s  
95th percentile per-packet one-way delay: 38.981 ms  
Loss rate: 7.97%  
-- Flow 1:  
Average throughput: 61.78 Mbit/s  
95th percentile per-packet one-way delay: 38.566 ms  
Loss rate: 8.13%  
-- Flow 2:  
Average throughput: 30.99 Mbit/s  
95th percentile per-packet one-way delay: 39.392 ms  
Loss rate: 7.77%  
-- Flow 3:  
Average throughput: 29.74 Mbit/s  
95th percentile per-packet one-way delay: 39.863 ms  
Loss rate: 7.31%

# Run 10: Report of TCP BBR — Data Link

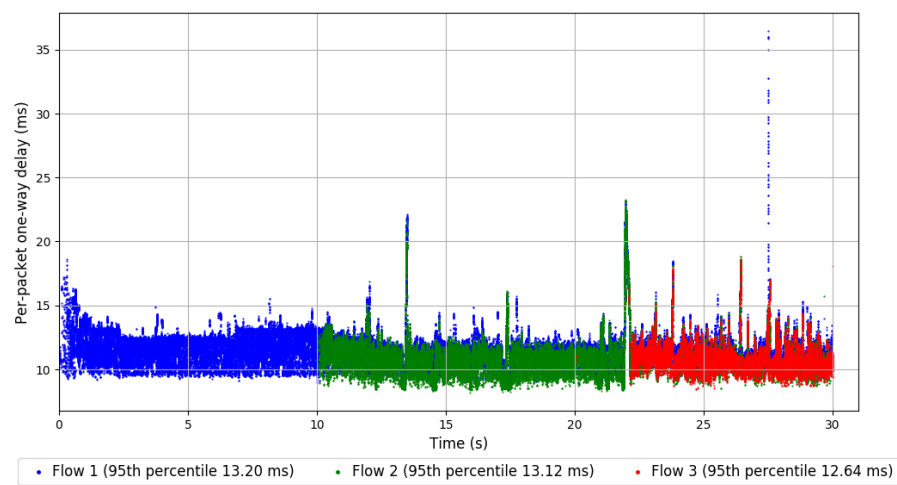
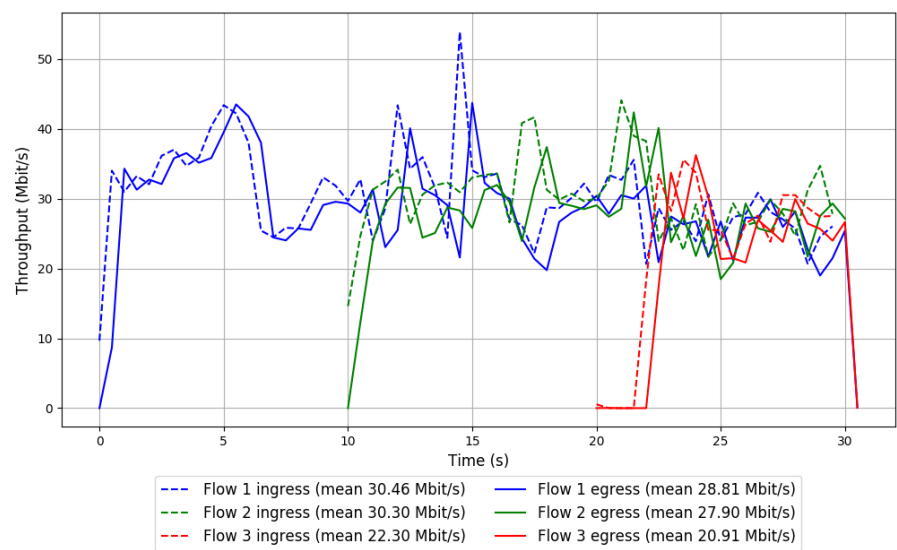


Run 1: Statistics of Copa

Start at: 2018-06-05 11:29:56  
End at: 2018-06-05 11:30:26  
Local clock offset: -0.262 ms  
Remote clock offset: -14.48 ms

# Below is generated by plot.py at 2018-06-05 14:37:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 54.34 Mbit/s  
95th percentile per-packet one-way delay: 13.134 ms  
Loss rate: 6.39%  
-- Flow 1:  
Average throughput: 28.81 Mbit/s  
95th percentile per-packet one-way delay: 13.197 ms  
Loss rate: 5.43%  
-- Flow 2:  
Average throughput: 27.90 Mbit/s  
95th percentile per-packet one-way delay: 13.115 ms  
Loss rate: 7.94%  
-- Flow 3:  
Average throughput: 20.91 Mbit/s  
95th percentile per-packet one-way delay: 12.637 ms  
Loss rate: 6.15%

Run 1: Report of Copa — Data Link



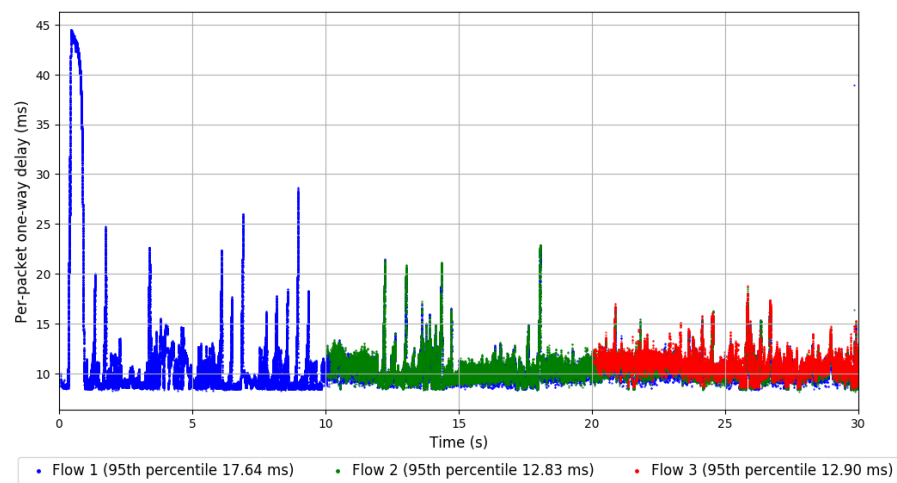
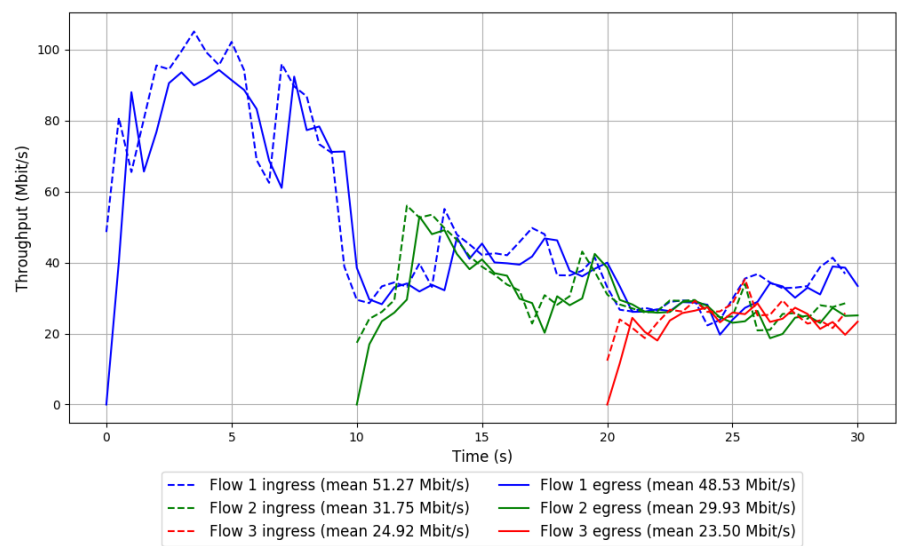
Run 2: Statistics of Copa

Start at: 2018-06-05 11:49:07  
End at: 2018-06-05 11:49:37  
Local clock offset: -0.678 ms  
Remote clock offset: -7.566 ms

# Below is generated by plot.py at 2018-06-05 14:38:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.27 Mbit/s  
95th percentile per-packet one-way delay: 15.001 ms  
Loss rate: 5.47%  
-- Flow 1:  
Average throughput: 48.53 Mbit/s  
95th percentile per-packet one-way delay: 17.643 ms  
Loss rate: 5.34%  
-- Flow 2:  
Average throughput: 29.93 Mbit/s  
95th percentile per-packet one-way delay: 12.827 ms  
Loss rate: 5.72%  
-- Flow 3:  
Average throughput: 23.50 Mbit/s  
95th percentile per-packet one-way delay: 12.904 ms  
Loss rate: 5.68%



Run 2: Report of Copa — Data Link

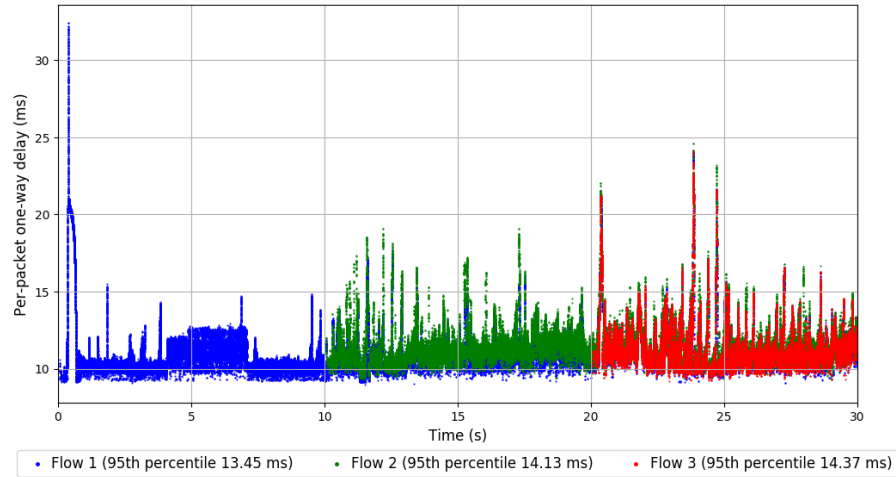
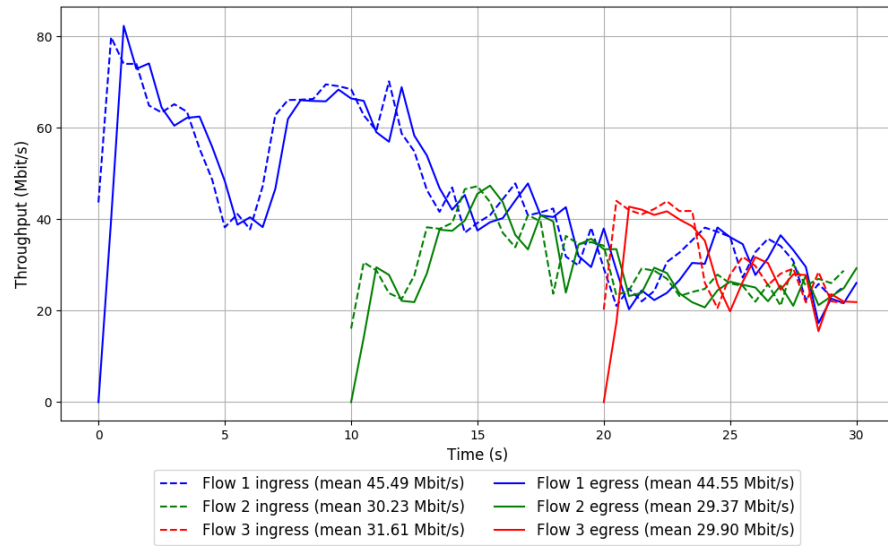


Run 3: Statistics of Copa

Start at: 2018-06-05 12:08:02  
End at: 2018-06-05 12:08:32  
Local clock offset: -3.834 ms  
Remote clock offset: -8.367 ms

# Below is generated by plot.py at 2018-06-05 14:38:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 74.06 Mbit/s  
95th percentile per-packet one-way delay: 13.866 ms  
Loss rate: 2.71%  
-- Flow 1:  
Average throughput: 44.55 Mbit/s  
95th percentile per-packet one-way delay: 13.452 ms  
Loss rate: 2.05%  
-- Flow 2:  
Average throughput: 29.37 Mbit/s  
95th percentile per-packet one-way delay: 14.131 ms  
Loss rate: 2.81%  
-- Flow 3:  
Average throughput: 29.90 Mbit/s  
95th percentile per-packet one-way delay: 14.374 ms  
Loss rate: 5.39%

### Run 3: Report of Copa — Data Link

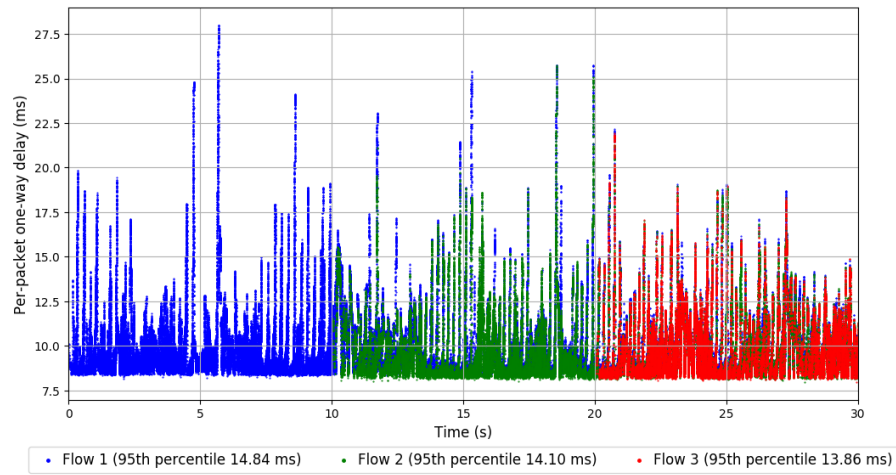
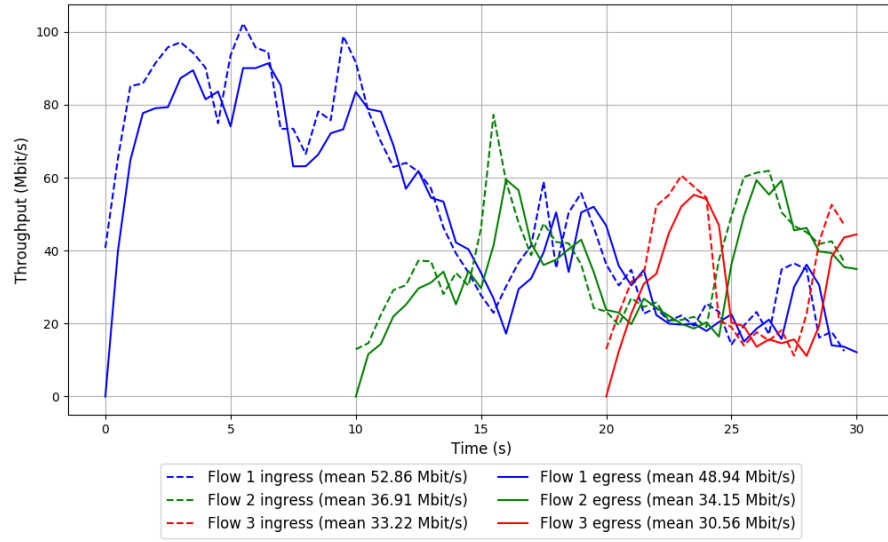


Run 4: Statistics of Copa

Start at: 2018-06-05 12:27:00  
End at: 2018-06-05 12:27:30  
Local clock offset: -2.336 ms  
Remote clock offset: -4.352 ms

# Below is generated by plot.py at 2018-06-05 14:38:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 81.84 Mbit/s  
95th percentile per-packet one-way delay: 14.452 ms  
Loss rate: 7.50%  
-- Flow 1:  
Average throughput: 48.94 Mbit/s  
95th percentile per-packet one-way delay: 14.836 ms  
Loss rate: 7.40%  
-- Flow 2:  
Average throughput: 34.15 Mbit/s  
95th percentile per-packet one-way delay: 14.098 ms  
Loss rate: 7.47%  
-- Flow 3:  
Average throughput: 30.56 Mbit/s  
95th percentile per-packet one-way delay: 13.862 ms  
Loss rate: 8.01%

# Run 4: Report of Copa — Data Link

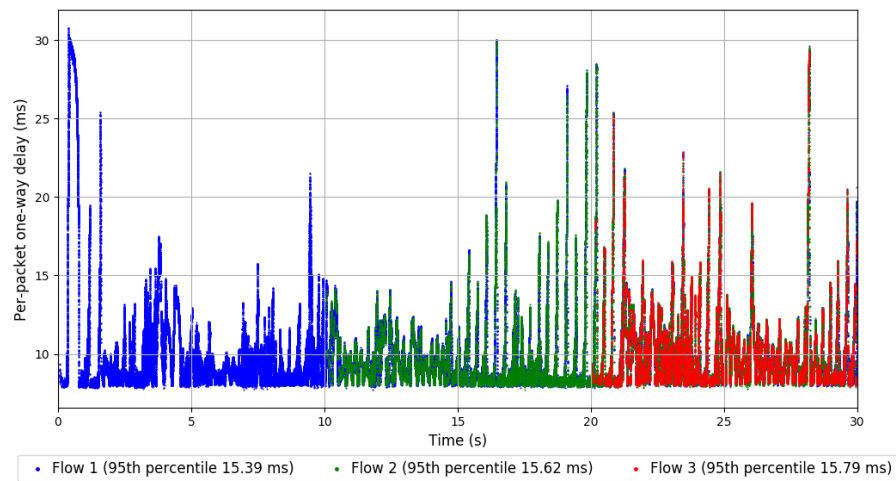
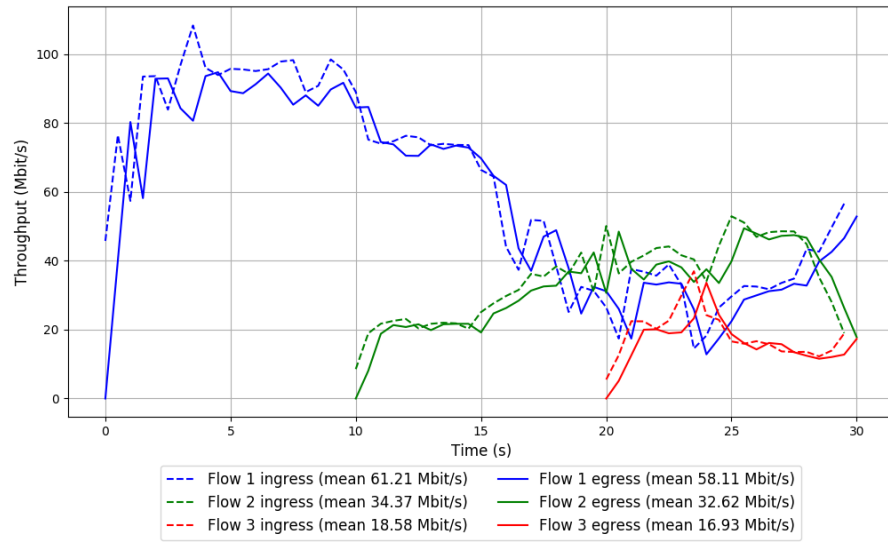


Run 5: Statistics of Copa

Start at: 2018-06-05 12:45:52  
End at: 2018-06-05 12:46:22  
Local clock offset: -0.477 ms  
Remote clock offset: -3.768 ms

```
# Below is generated by plot.py at 2018-06-05 14:38:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.46 Mbit/s
95th percentile per-packet one-way delay: 15.477 ms
Loss rate: 5.34%
-- Flow 1:
Average throughput: 58.11 Mbit/s
95th percentile per-packet one-way delay: 15.391 ms
Loss rate: 5.07%
-- Flow 2:
Average throughput: 32.62 Mbit/s
95th percentile per-packet one-way delay: 15.615 ms
Loss rate: 5.11%
-- Flow 3:
Average throughput: 16.93 Mbit/s
95th percentile per-packet one-way delay: 15.793 ms
Loss rate: 8.85%
```

# Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-06-05 13:04:40

End at: 2018-06-05 13:05:10

Local clock offset: 0.674 ms

Remote clock offset: -2.8 ms

# Below is generated by plot.py at 2018-06-05 14:38:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 84.23 Mbit/s

95th percentile per-packet one-way delay: 16.739 ms

Loss rate: 8.91%

-- Flow 1:

Average throughput: 58.36 Mbit/s

95th percentile per-packet one-way delay: 17.247 ms

Loss rate: 7.81%

-- Flow 2:

Average throughput: 24.40 Mbit/s

95th percentile per-packet one-way delay: 15.960 ms

Loss rate: 10.91%

-- Flow 3:

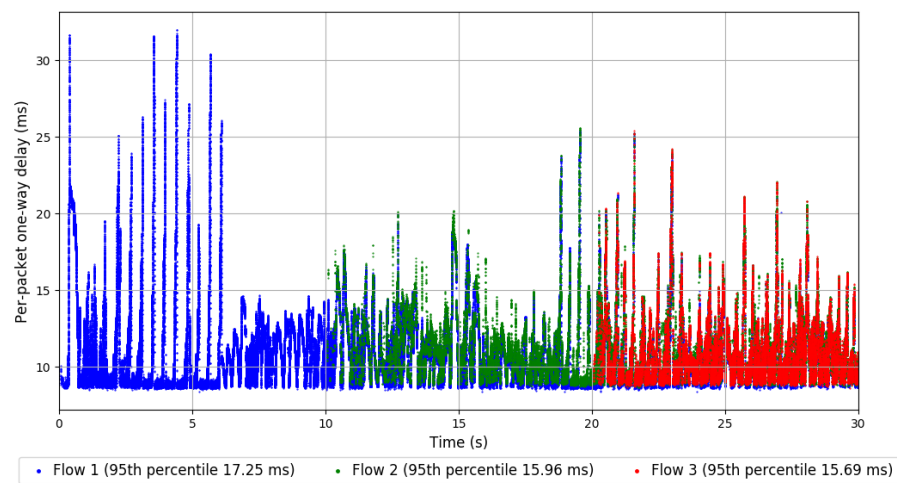
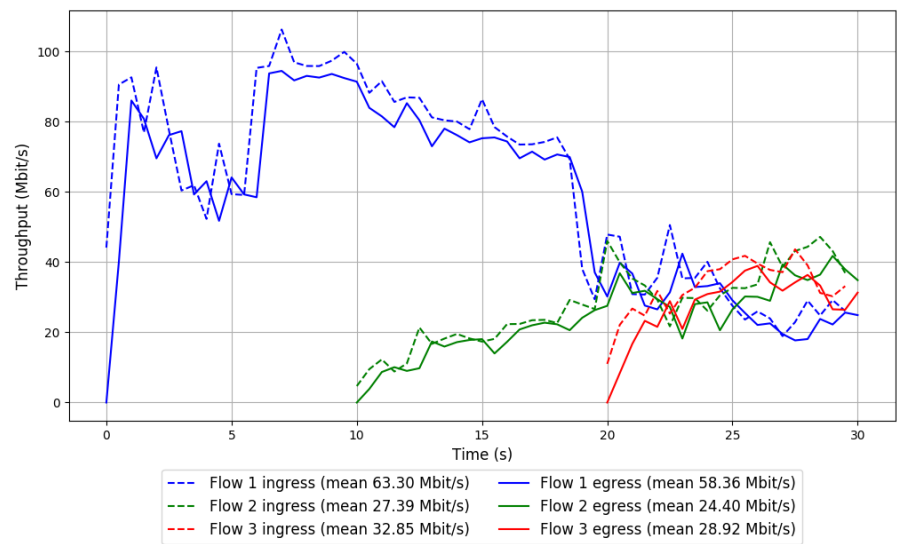
Average throughput: 28.92 Mbit/s

95th percentile per-packet one-way delay: 15.689 ms

Loss rate: 11.95%



Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-06-05 13:23:47

End at: 2018-06-05 13:24:17

Local clock offset: -0.317 ms

Remote clock offset: -0.19 ms

# Below is generated by plot.py at 2018-06-05 14:39:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 78.62 Mbit/s

95th percentile per-packet one-way delay: 16.706 ms

Loss rate: 13.41%

-- Flow 1:

Average throughput: 46.34 Mbit/s

95th percentile per-packet one-way delay: 17.140 ms

Loss rate: 11.91%

-- Flow 2:

Average throughput: 39.72 Mbit/s

95th percentile per-packet one-way delay: 16.285 ms

Loss rate: 15.35%

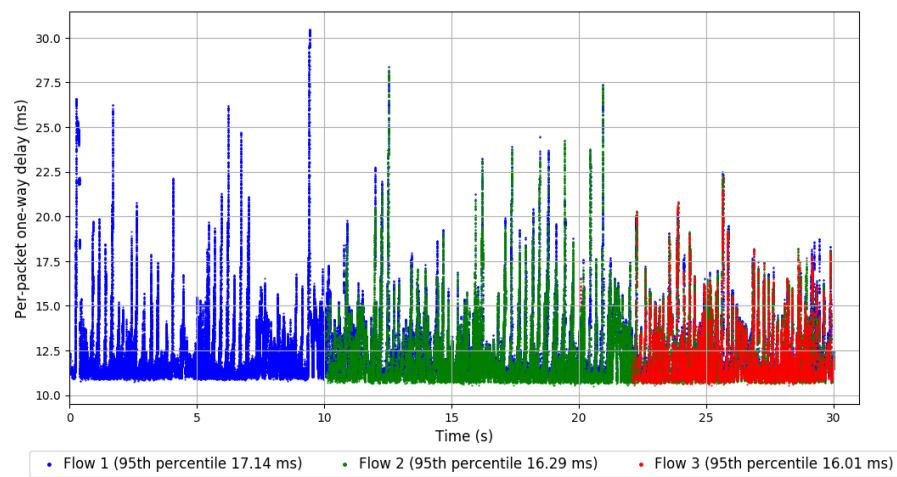
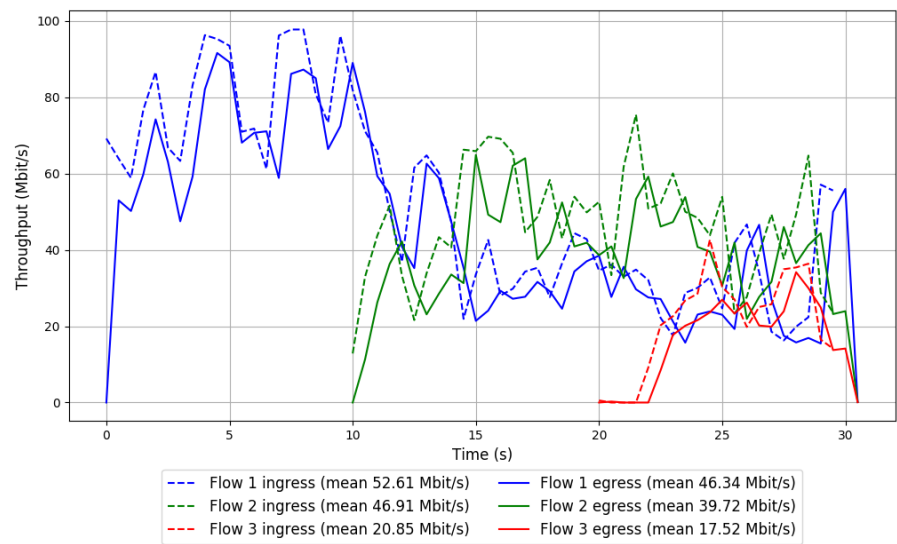
-- Flow 3:

Average throughput: 17.52 Mbit/s

95th percentile per-packet one-way delay: 16.006 ms

Loss rate: 15.99%

Run 7: Report of Copa — Data Link

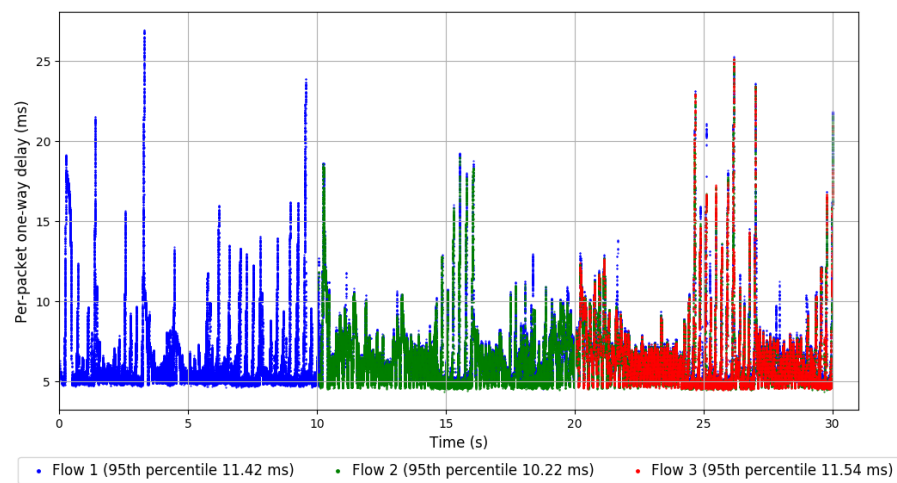
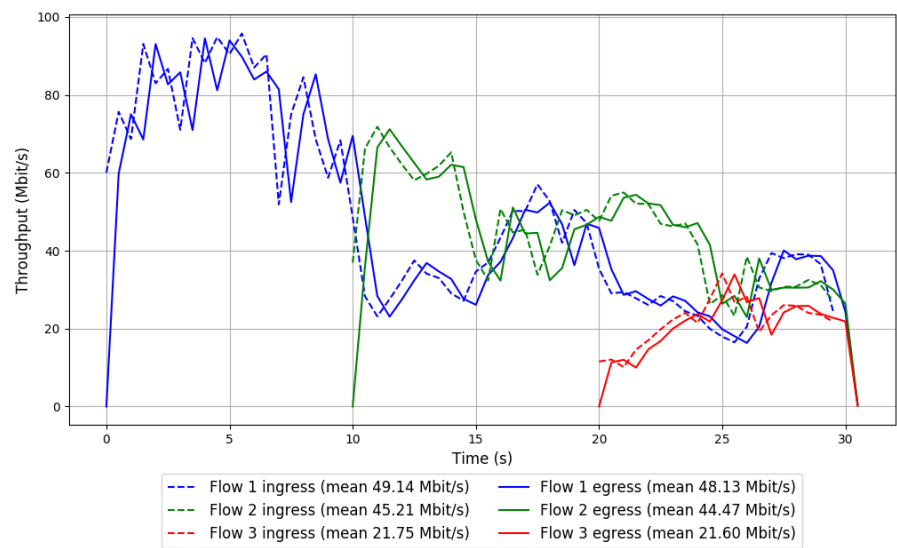


Run 8: Statistics of Copa

Start at: 2018-06-05 13:42:38  
End at: 2018-06-05 13:43:08  
Local clock offset: -0.023 ms  
Remote clock offset: -3.344 ms

# Below is generated by plot.py at 2018-06-05 14:39:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.94 Mbit/s  
95th percentile per-packet one-way delay: 11.005 ms  
Loss rate: 1.75%  
-- Flow 1:  
Average throughput: 48.13 Mbit/s  
95th percentile per-packet one-way delay: 11.423 ms  
Loss rate: 2.03%  
-- Flow 2:  
Average throughput: 44.47 Mbit/s  
95th percentile per-packet one-way delay: 10.217 ms  
Loss rate: 1.58%  
-- Flow 3:  
Average throughput: 21.60 Mbit/s  
95th percentile per-packet one-way delay: 11.539 ms  
Loss rate: 0.59%

Run 8: Report of Copa — Data Link

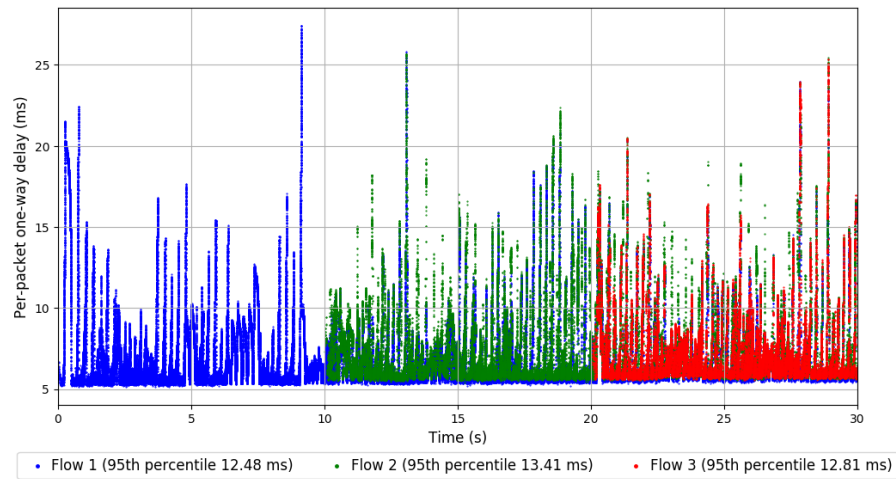
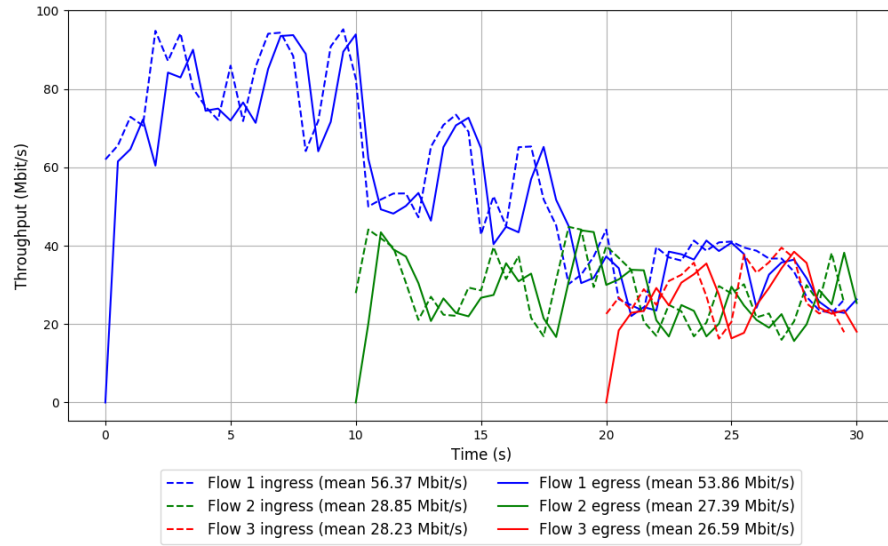


Run 9: Statistics of Copa

Start at: 2018-06-05 14:01:34  
End at: 2018-06-05 14:02:04  
Local clock offset: -2.525 ms  
Remote clock offset: -14.631 ms

# Below is generated by plot.py at 2018-06-05 14:39:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.95 Mbit/s  
95th percentile per-packet one-way delay: 12.788 ms  
Loss rate: 4.73%  
-- Flow 1:  
Average throughput: 53.86 Mbit/s  
95th percentile per-packet one-way delay: 12.480 ms  
Loss rate: 4.44%  
-- Flow 2:  
Average throughput: 27.39 Mbit/s  
95th percentile per-packet one-way delay: 13.415 ms  
Loss rate: 5.04%  
-- Flow 3:  
Average throughput: 26.59 Mbit/s  
95th percentile per-packet one-way delay: 12.812 ms  
Loss rate: 5.83%

# Run 9: Report of Copa — Data Link



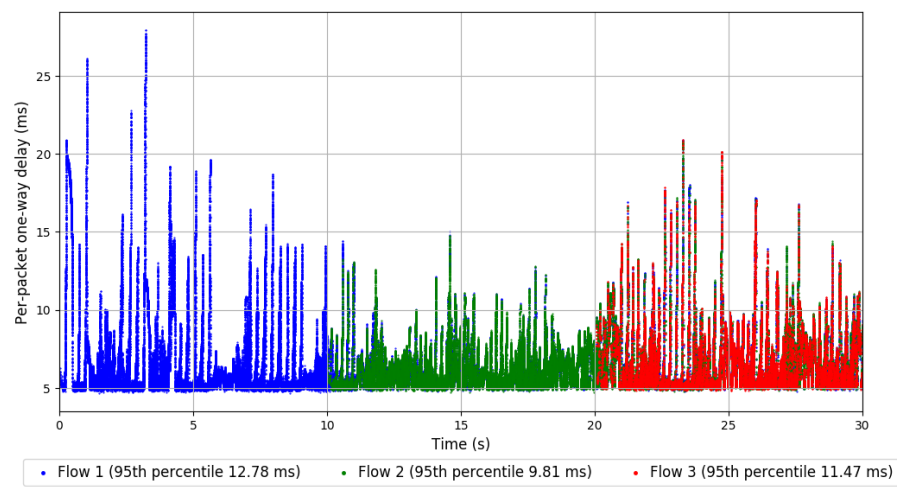
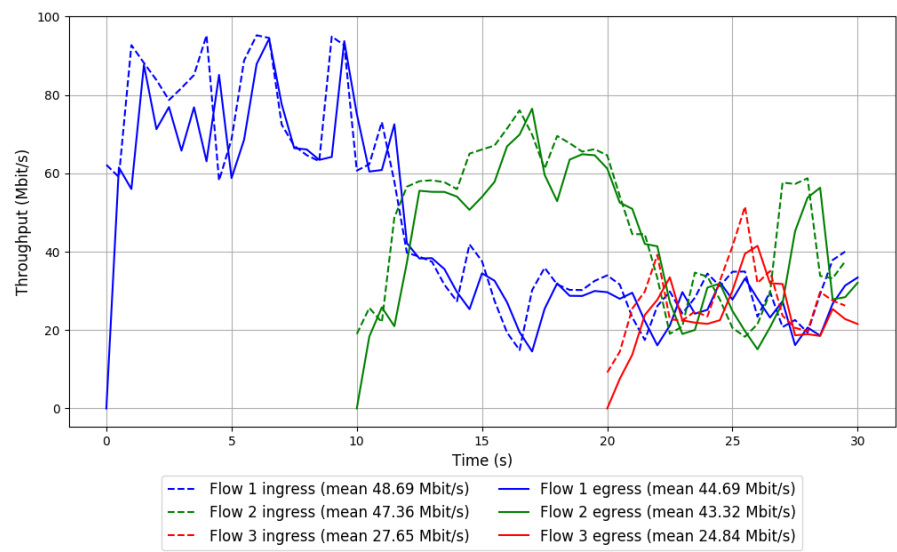
Run 10: Statistics of Copa

Start at: 2018-06-05 14:20:10  
End at: 2018-06-05 14:20:40  
Local clock offset: 0.229 ms  
Remote clock offset: -19.481 ms

# Below is generated by plot.py at 2018-06-05 14:40:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 81.82 Mbit/s  
95th percentile per-packet one-way delay: 11.536 ms  
Loss rate: 8.52%  
-- Flow 1:  
Average throughput: 44.69 Mbit/s  
95th percentile per-packet one-way delay: 12.780 ms  
Loss rate: 8.21%  
-- Flow 2:  
Average throughput: 43.32 Mbit/s  
95th percentile per-packet one-way delay: 9.812 ms  
Loss rate: 8.51%  
-- Flow 3:  
Average throughput: 24.84 Mbit/s  
95th percentile per-packet one-way delay: 11.475 ms  
Loss rate: 10.17%



Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-06-05 11:36:56

End at: 2018-06-05 11:37:26

Local clock offset: 0.821 ms

Remote clock offset: -9.66 ms

# Below is generated by plot.py at 2018-06-05 14:40:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 36.58 Mbit/s

95th percentile per-packet one-way delay: 29.192 ms

Loss rate: 0.51%

-- Flow 1:

Average throughput: 20.24 Mbit/s

95th percentile per-packet one-way delay: 19.566 ms

Loss rate: 0.37%

-- Flow 2:

Average throughput: 17.84 Mbit/s

95th percentile per-packet one-way delay: 41.352 ms

Loss rate: 0.83%

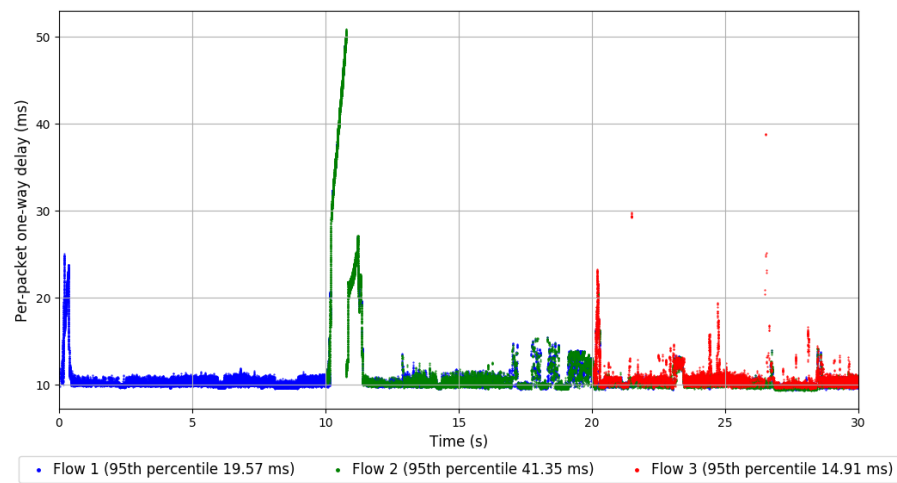
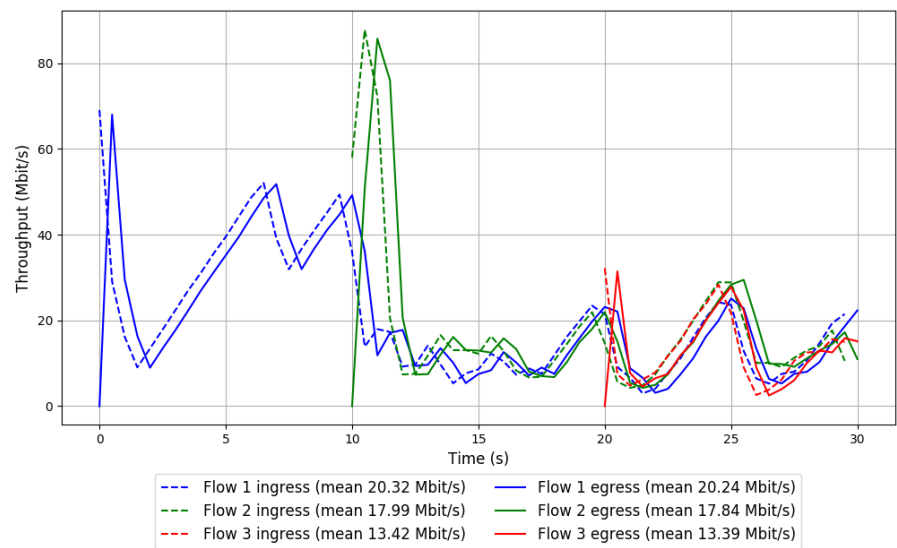
-- Flow 3:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 14.915 ms

Loss rate: 0.26%

Run 1: Report of TCP Cubic — Data Link

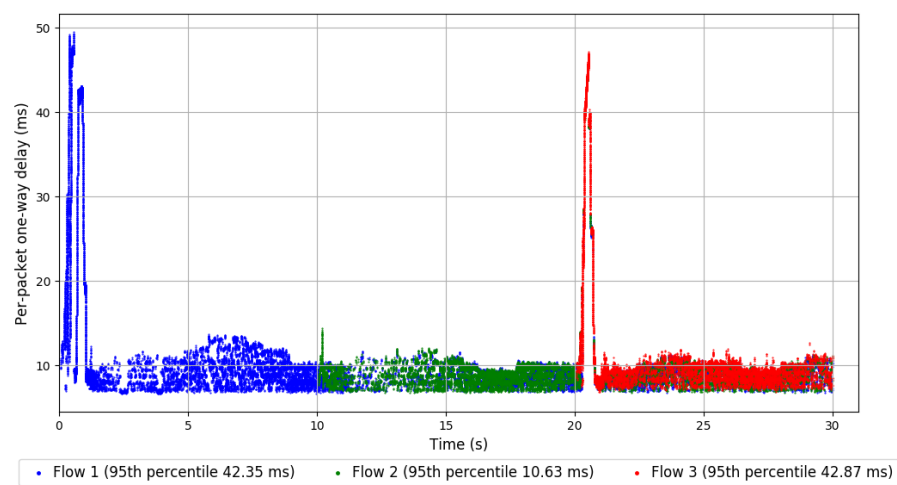
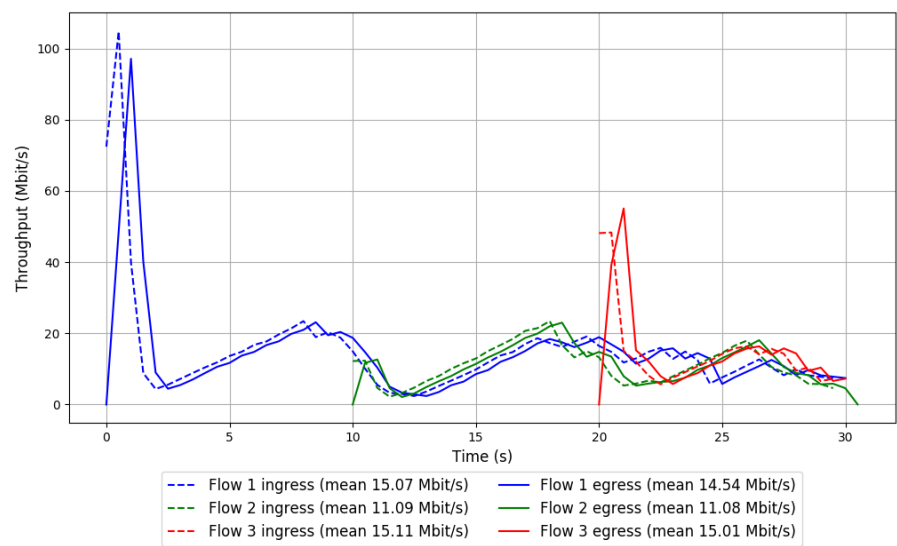


Run 2: Statistics of TCP Cubic

Start at: 2018-06-05 11:56:20  
End at: 2018-06-05 11:56:50  
Local clock offset: -0.219 ms  
Remote clock offset: -7.915 ms

# Below is generated by plot.py at 2018-06-05 14:40:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 26.90 Mbit/s  
95th percentile per-packet one-way delay: 41.622 ms  
Loss rate: 2.11%  
-- Flow 1:  
Average throughput: 14.54 Mbit/s  
95th percentile per-packet one-way delay: 42.346 ms  
Loss rate: 3.54%  
-- Flow 2:  
Average throughput: 11.08 Mbit/s  
95th percentile per-packet one-way delay: 10.634 ms  
Loss rate: 0.16%  
-- Flow 3:  
Average throughput: 15.01 Mbit/s  
95th percentile per-packet one-way delay: 42.869 ms  
Loss rate: 0.69%

Run 2: Report of TCP Cubic — Data Link

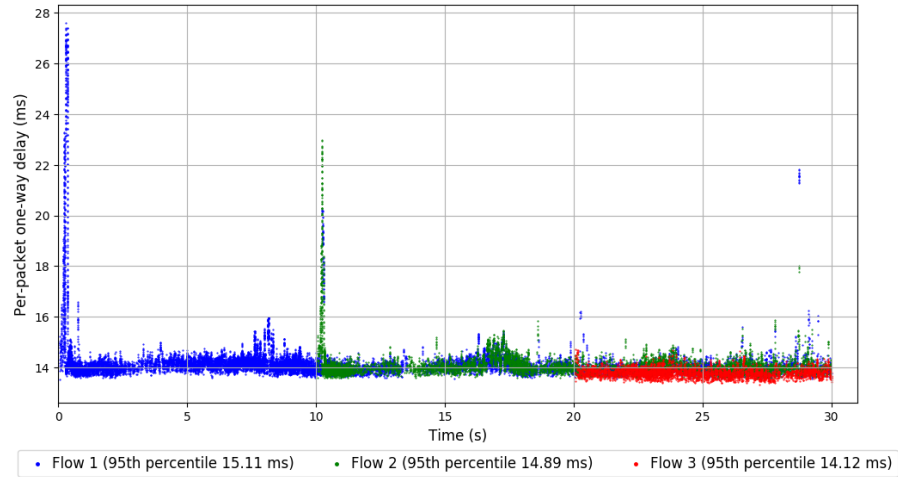
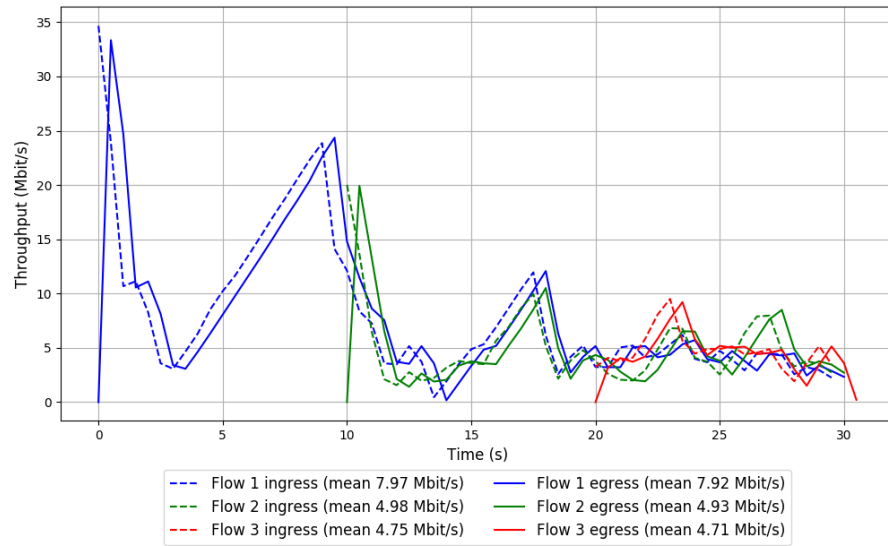


Run 3: Statistics of TCP Cubic

Start at: 2018-06-05 12:15:11  
End at: 2018-06-05 12:15:41  
Local clock offset: -2.068 ms  
Remote clock offset: -0.557 ms

# Below is generated by plot.py at 2018-06-05 14:40:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 12.76 Mbit/s  
95th percentile per-packet one-way delay: 14.875 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 7.92 Mbit/s  
95th percentile per-packet one-way delay: 15.105 ms  
Loss rate: 0.63%  
-- Flow 2:  
Average throughput: 4.93 Mbit/s  
95th percentile per-packet one-way delay: 14.891 ms  
Loss rate: 0.97%  
-- Flow 3:  
Average throughput: 4.71 Mbit/s  
95th percentile per-packet one-way delay: 14.115 ms  
Loss rate: 0.84%

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



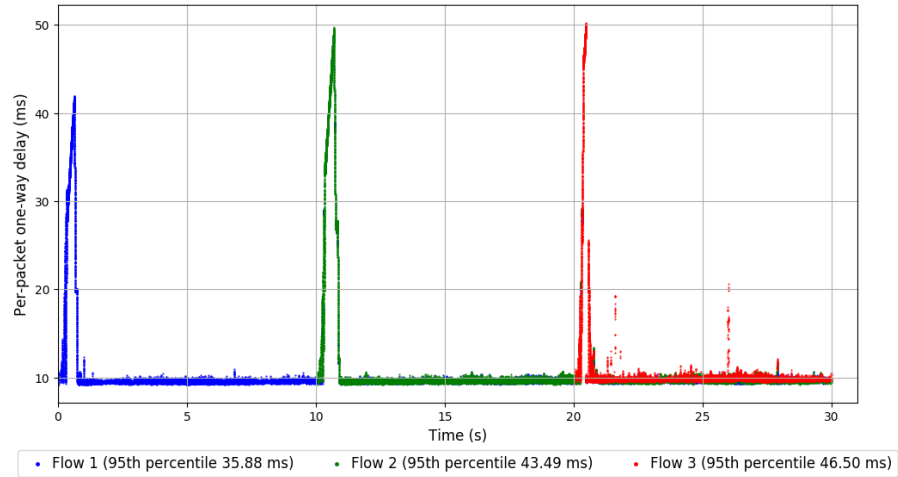
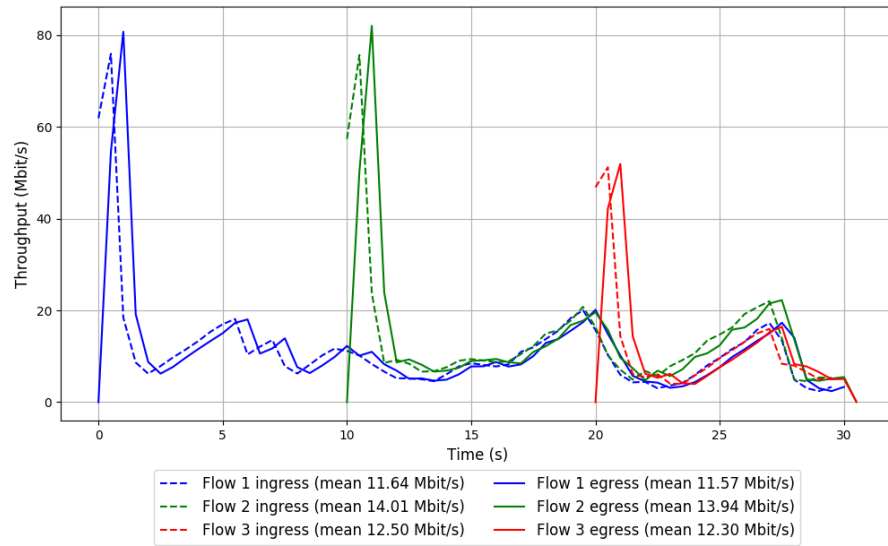
Run 4: Statistics of TCP Cubic

Start at: 2018-06-05 12:34:12  
End at: 2018-06-05 12:34:42  
Local clock offset: -2.908 ms  
Remote clock offset: -3.209 ms

# Below is generated by plot.py at 2018-06-05 14:40:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 24.93 Mbit/s  
95th percentile per-packet one-way delay: 40.052 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 11.57 Mbit/s  
95th percentile per-packet one-way delay: 35.881 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 13.94 Mbit/s  
95th percentile per-packet one-way delay: 43.489 ms  
Loss rate: 0.48%  
-- Flow 3:  
Average throughput: 12.30 Mbit/s  
95th percentile per-packet one-way delay: 46.499 ms  
Loss rate: 1.59%



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

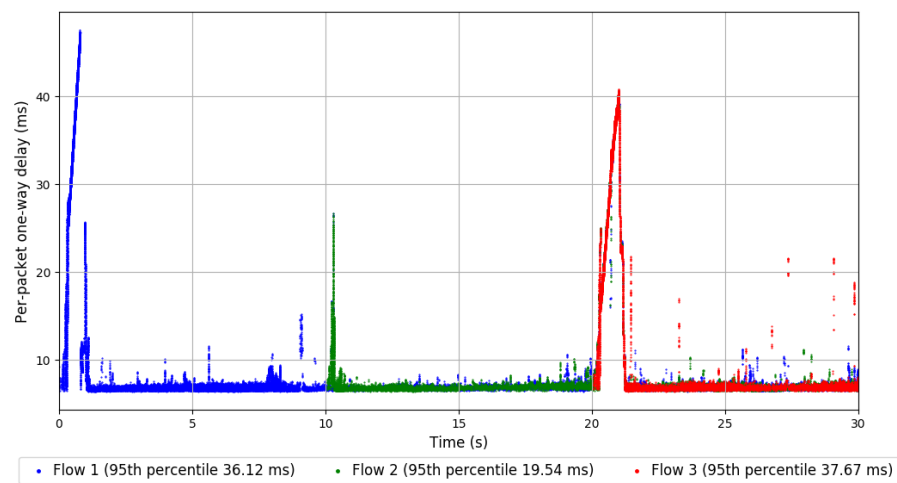
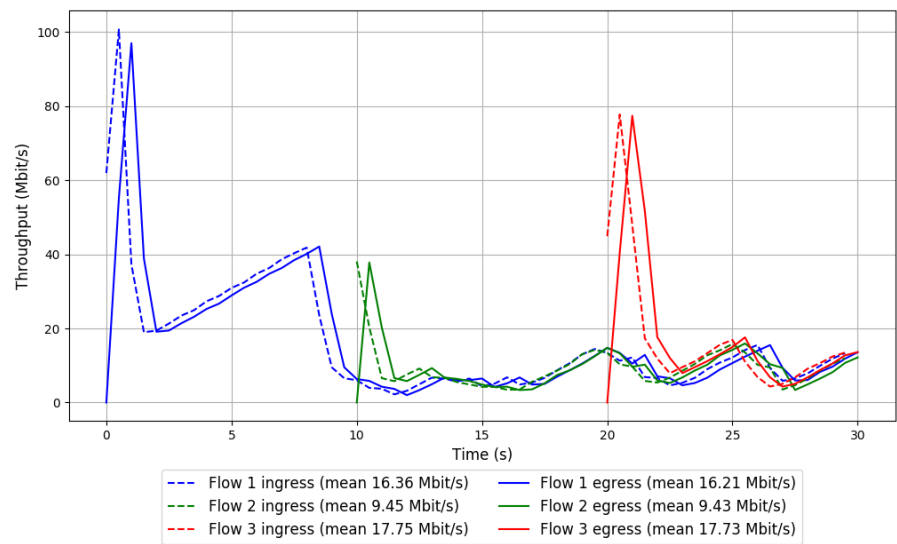


Run 5: Statistics of TCP Cubic

Start at: 2018-06-05 12:53:03  
End at: 2018-06-05 12:53:33  
Local clock offset: 1.917 ms  
Remote clock offset: -3.801 ms

# Below is generated by plot.py at 2018-06-05 14:40:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 28.38 Mbit/s  
95th percentile per-packet one-way delay: 35.621 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 16.21 Mbit/s  
95th percentile per-packet one-way delay: 36.120 ms  
Loss rate: 0.95%  
-- Flow 2:  
Average throughput: 9.43 Mbit/s  
95th percentile per-packet one-way delay: 19.535 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 17.73 Mbit/s  
95th percentile per-packet one-way delay: 37.672 ms  
Loss rate: 0.16%

Run 5: Report of TCP Cubic — Data Link

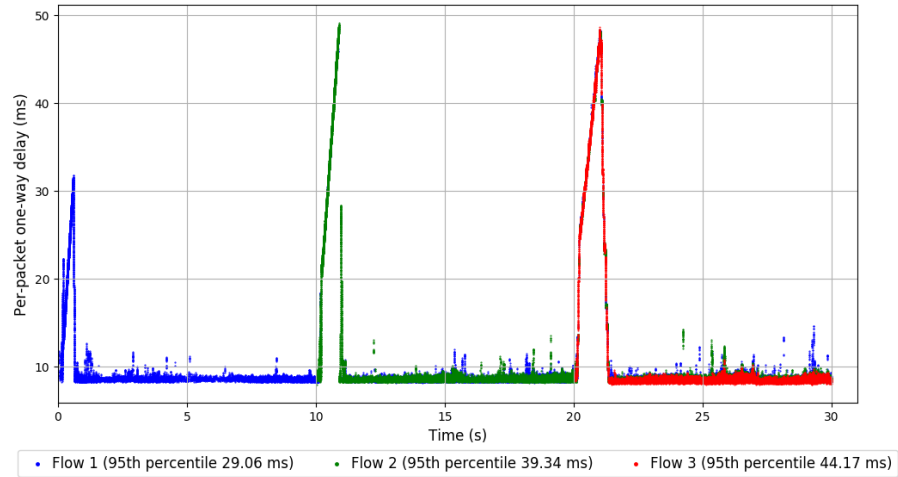
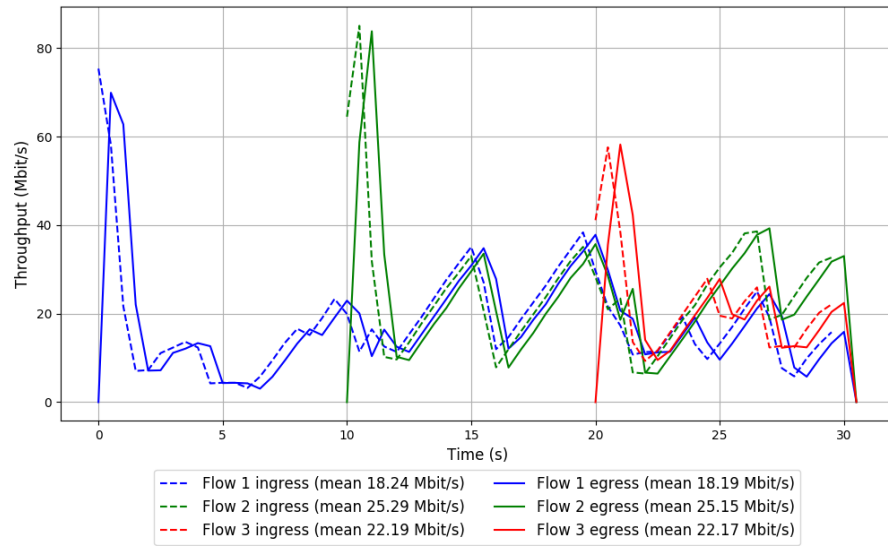


Run 6: Statistics of TCP Cubic

Start at: 2018-06-05 13:11:58  
End at: 2018-06-05 13:12:28  
Local clock offset: 0.686 ms  
Remote clock offset: -2.807 ms

# Below is generated by plot.py at 2018-06-05 14:40:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 42.32 Mbit/s  
95th percentile per-packet one-way delay: 38.308 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 18.19 Mbit/s  
95th percentile per-packet one-way delay: 29.056 ms  
Loss rate: 0.26%  
-- Flow 2:  
Average throughput: 25.15 Mbit/s  
95th percentile per-packet one-way delay: 39.336 ms  
Loss rate: 0.57%  
-- Flow 3:  
Average throughput: 22.17 Mbit/s  
95th percentile per-packet one-way delay: 44.175 ms  
Loss rate: 0.11%

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

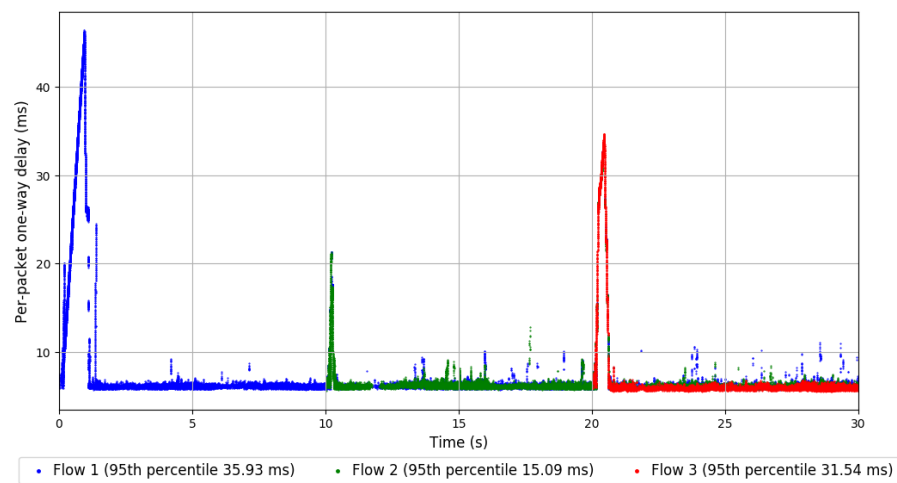
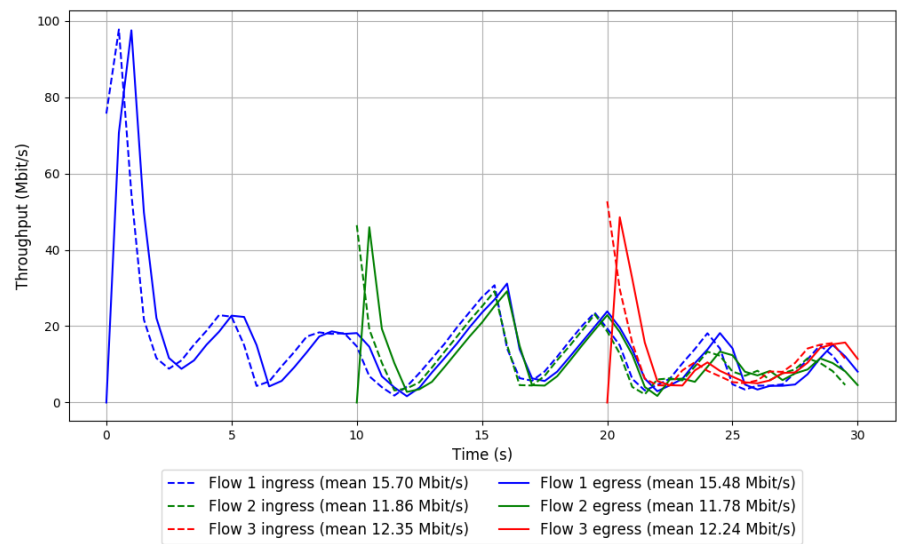


Run 7: Statistics of TCP Cubic

Start at: 2018-06-05 13:30:51  
End at: 2018-06-05 13:31:21  
Local clock offset: 0.912 ms  
Remote clock offset: -3.609 ms

# Below is generated by plot.py at 2018-06-05 14:40:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 27.41 Mbit/s  
95th percentile per-packet one-way delay: 31.554 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 15.48 Mbit/s  
95th percentile per-packet one-way delay: 35.926 ms  
Loss rate: 1.35%  
-- Flow 2:  
Average throughput: 11.78 Mbit/s  
95th percentile per-packet one-way delay: 15.091 ms  
Loss rate: 0.66%  
-- Flow 3:  
Average throughput: 12.24 Mbit/s  
95th percentile per-packet one-way delay: 31.538 ms  
Loss rate: 0.94%

Run 7: Report of TCP Cubic — Data Link



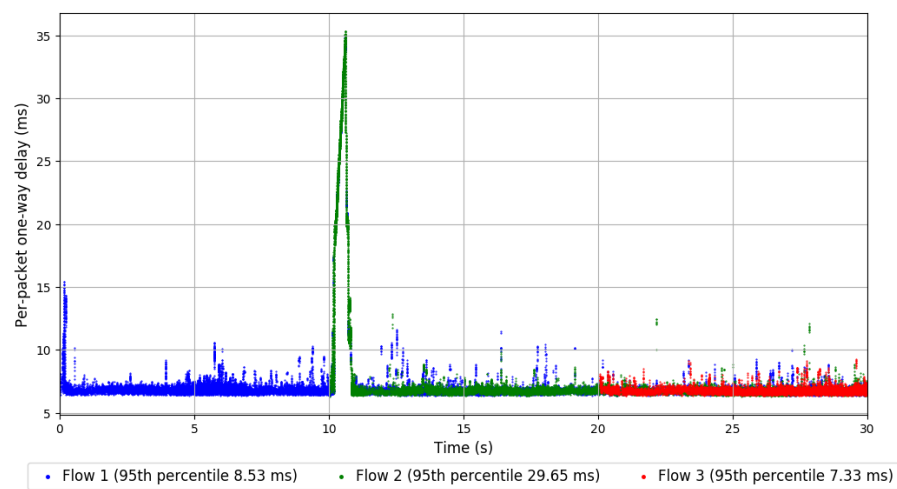
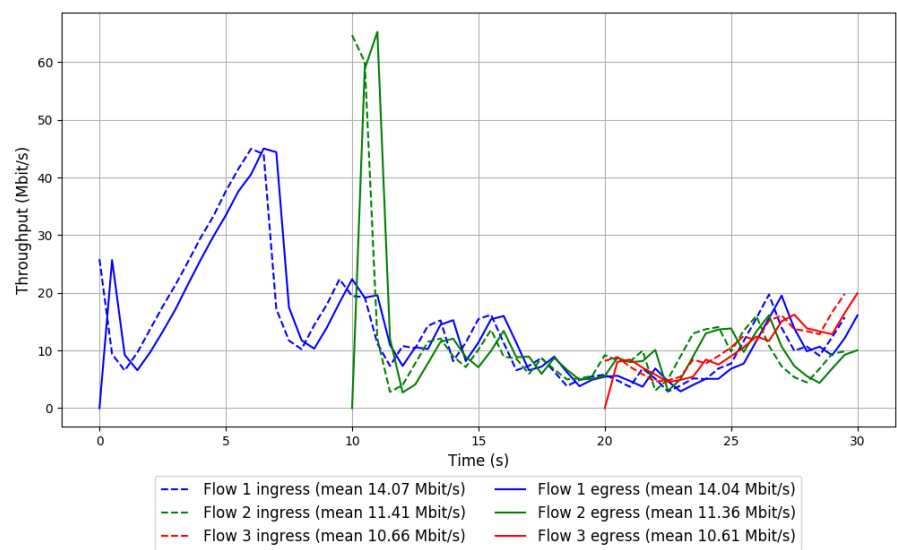
Run 8: Statistics of TCP Cubic

Start at: 2018-06-05 13:49:39  
End at: 2018-06-05 13:50:09  
Local clock offset: -1.526 ms  
Remote clock offset: -2.274 ms

# Below is generated by plot.py at 2018-06-05 14:40:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 25.14 Mbit/s  
95th percentile per-packet one-way delay: 20.596 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 14.04 Mbit/s  
95th percentile per-packet one-way delay: 8.531 ms  
Loss rate: 0.23%  
-- Flow 2:  
Average throughput: 11.36 Mbit/s  
95th percentile per-packet one-way delay: 29.649 ms  
Loss rate: 0.43%  
-- Flow 3:  
Average throughput: 10.61 Mbit/s  
95th percentile per-packet one-way delay: 7.331 ms  
Loss rate: 0.45%



Run 8: Report of TCP Cubic — Data Link

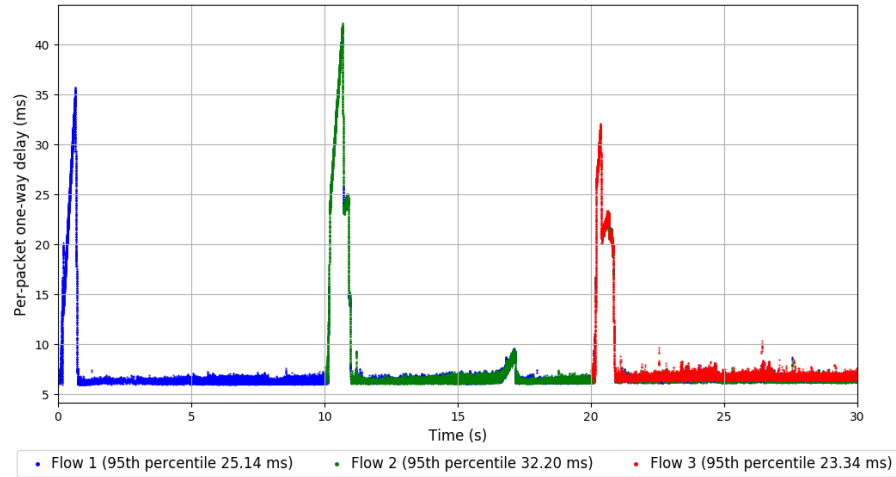
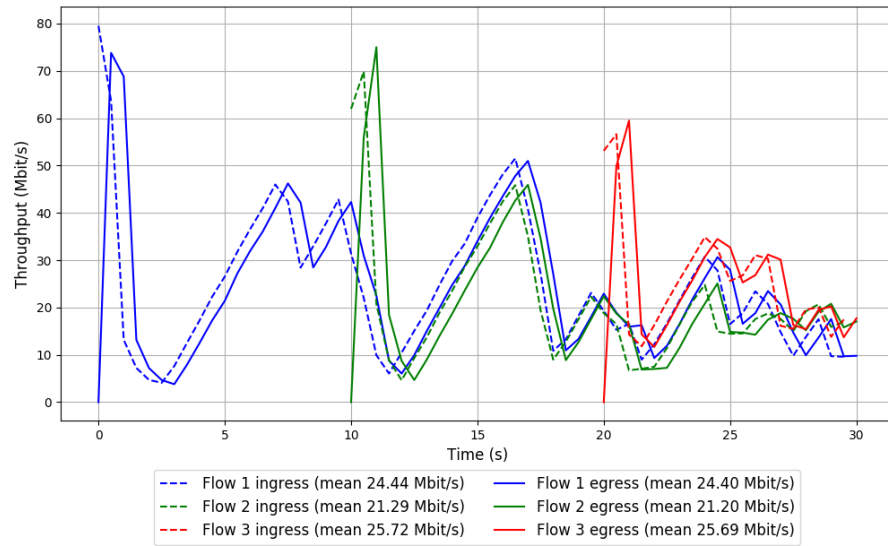


Run 9: Statistics of TCP Cubic

Start at: 2018-06-05 14:08:32  
End at: 2018-06-05 14:09:02  
Local clock offset: -7.718 ms  
Remote clock offset: -22.752 ms

# Below is generated by plot.py at 2018-06-05 14:40:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 47.07 Mbit/s  
95th percentile per-packet one-way delay: 27.659 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 24.40 Mbit/s  
95th percentile per-packet one-way delay: 25.140 ms  
Loss rate: 0.20%  
-- Flow 2:  
Average throughput: 21.20 Mbit/s  
95th percentile per-packet one-way delay: 32.203 ms  
Loss rate: 0.45%  
-- Flow 3:  
Average throughput: 25.69 Mbit/s  
95th percentile per-packet one-way delay: 23.336 ms  
Loss rate: 0.10%

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

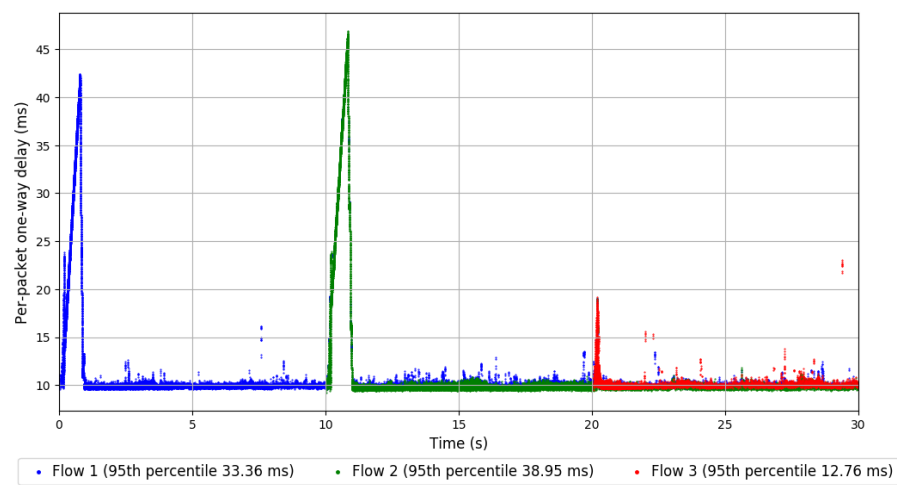
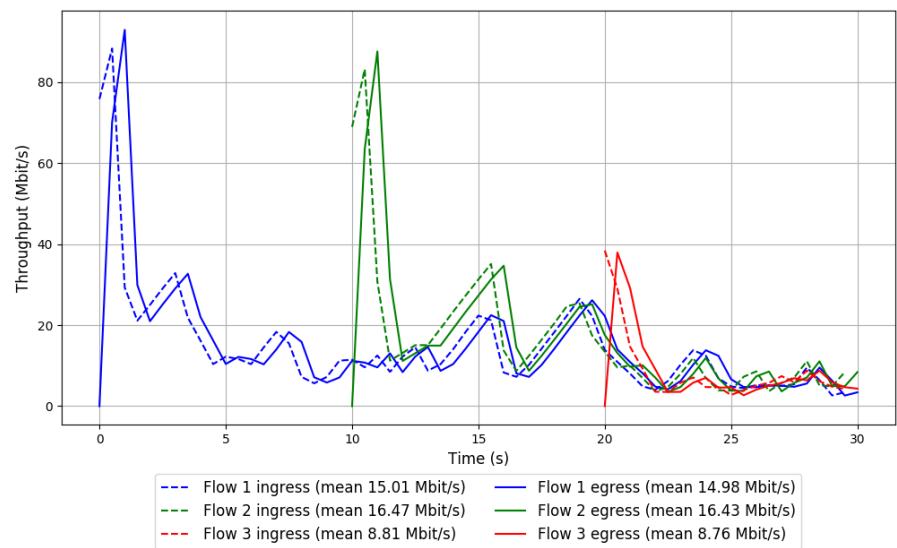


Run 10: Statistics of TCP Cubic

Start at: 2018-06-05 14:27:10  
End at: 2018-06-05 14:27:40  
Local clock offset: -2.827 ms  
Remote clock offset: -19.122 ms

# Below is generated by plot.py at 2018-06-05 14:40:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 28.83 Mbit/s  
95th percentile per-packet one-way delay: 35.126 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 14.98 Mbit/s  
95th percentile per-packet one-way delay: 33.362 ms  
Loss rate: 0.21%  
-- Flow 2:  
Average throughput: 16.43 Mbit/s  
95th percentile per-packet one-way delay: 38.952 ms  
Loss rate: 0.21%  
-- Flow 3:  
Average throughput: 8.76 Mbit/s  
95th percentile per-packet one-way delay: 12.757 ms  
Loss rate: 0.62%

Run 10: Report of TCP Cubic — Data Link

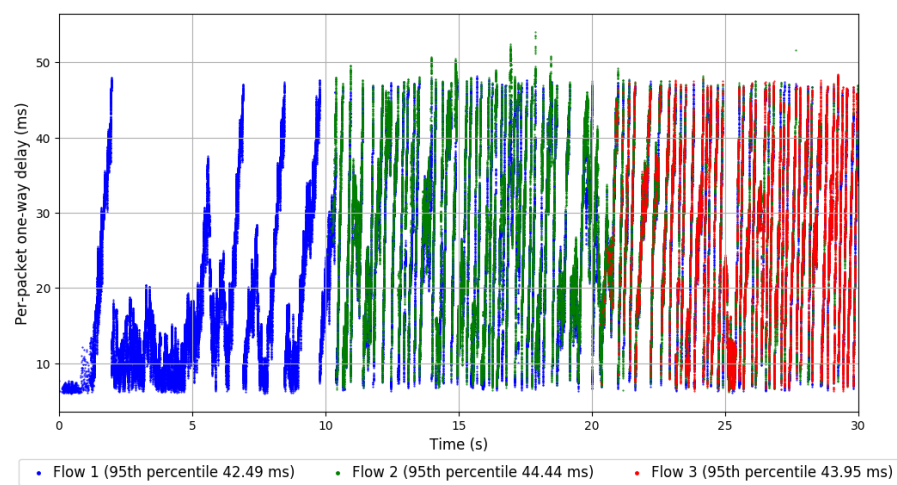
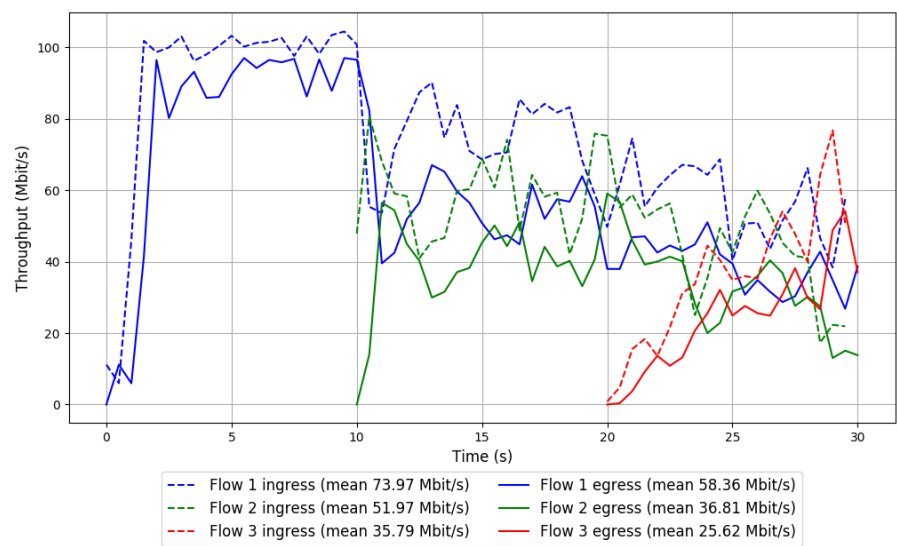


Run 1: Statistics of FillP

Start at: 2018-06-05 11:24:04  
End at: 2018-06-05 11:24:34  
Local clock offset: 2.513 ms  
Remote clock offset: -13.828 ms

# Below is generated by plot.py at 2018-06-05 14:40:44  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.15 Mbit/s  
95th percentile per-packet one-way delay: 43.250 ms  
Loss rate: 24.31%  
-- Flow 1:  
Average throughput: 58.36 Mbit/s  
95th percentile per-packet one-way delay: 42.488 ms  
Loss rate: 21.09%  
-- Flow 2:  
Average throughput: 36.81 Mbit/s  
95th percentile per-packet one-way delay: 44.443 ms  
Loss rate: 29.23%  
-- Flow 3:  
Average throughput: 25.62 Mbit/s  
95th percentile per-packet one-way delay: 43.952 ms  
Loss rate: 29.96%

Run 1: Report of FillP — Data Link



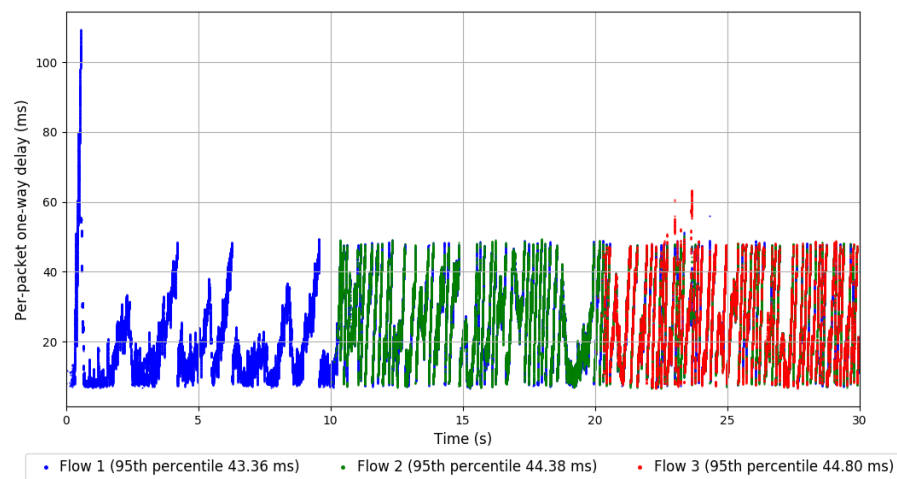
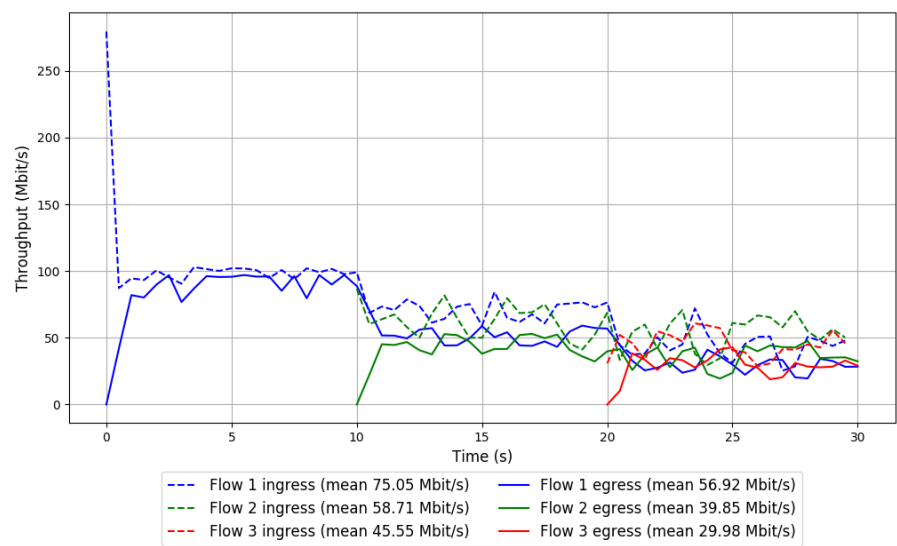
Run 2: Statistics of FillP

Start at: 2018-06-05 11:43:04  
End at: 2018-06-05 11:43:34  
Local clock offset: -0.785 ms  
Remote clock offset: -11.02 ms

# Below is generated by plot.py at 2018-06-05 14:40:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.40 Mbit/s  
95th percentile per-packet one-way delay: 43.930 ms  
Loss rate: 27.70%  
-- Flow 1:  
Average throughput: 56.92 Mbit/s  
95th percentile per-packet one-way delay: 43.360 ms  
Loss rate: 24.12%  
-- Flow 2:  
Average throughput: 39.85 Mbit/s  
95th percentile per-packet one-way delay: 44.378 ms  
Loss rate: 32.08%  
-- Flow 3:  
Average throughput: 29.98 Mbit/s  
95th percentile per-packet one-way delay: 44.803 ms  
Loss rate: 34.16%



Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-06-05 12:02:13

End at: 2018-06-05 12:02:43

Local clock offset: -1.981 ms

Remote clock offset: -8.23 ms

# Below is generated by plot.py at 2018-06-05 14:41:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 45.126 ms

Loss rate: 25.80%

-- Flow 1:

Average throughput: 59.22 Mbit/s

95th percentile per-packet one-way delay: 44.299 ms

Loss rate: 20.66%

-- Flow 2:

Average throughput: 33.72 Mbit/s

95th percentile per-packet one-way delay: 45.881 ms

Loss rate: 30.37%

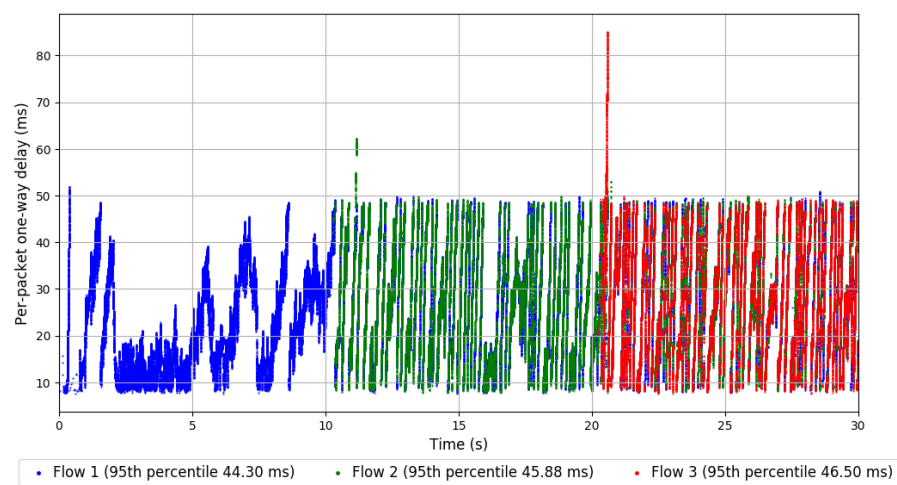
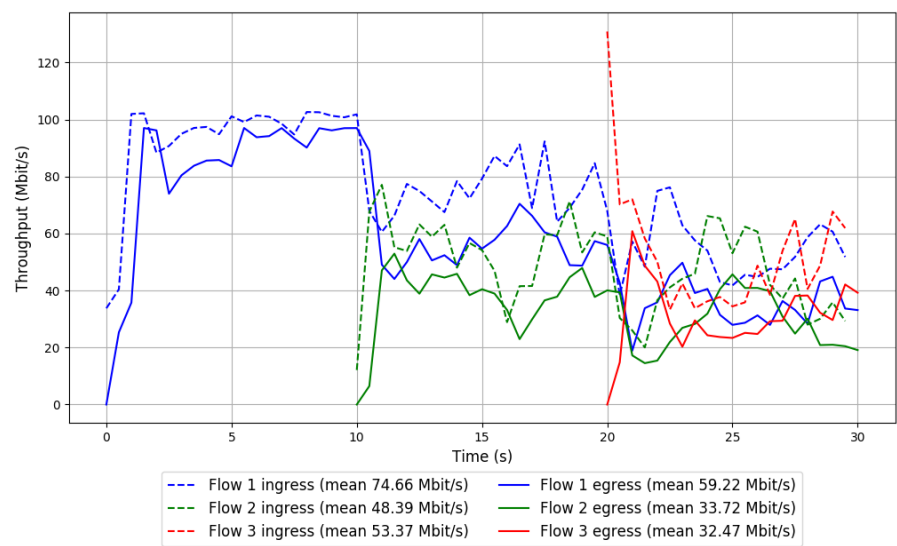
-- Flow 3:

Average throughput: 32.47 Mbit/s

95th percentile per-packet one-way delay: 46.504 ms

Loss rate: 39.15%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-06-05 12:21:11

End at: 2018-06-05 12:21:41

Local clock offset: -1.127 ms

Remote clock offset: -5.33 ms

# Below is generated by plot.py at 2018-06-05 14:41:07

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 43.599 ms

Loss rate: 24.88%

-- Flow 1:

Average throughput: 57.72 Mbit/s

95th percentile per-packet one-way delay: 43.220 ms

Loss rate: 22.44%

-- Flow 2:

Average throughput: 39.36 Mbit/s

95th percentile per-packet one-way delay: 43.867 ms

Loss rate: 27.91%

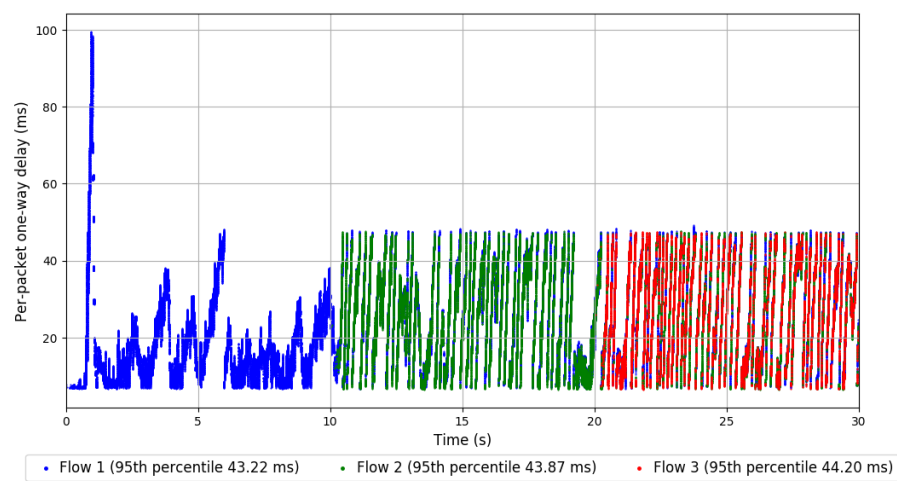
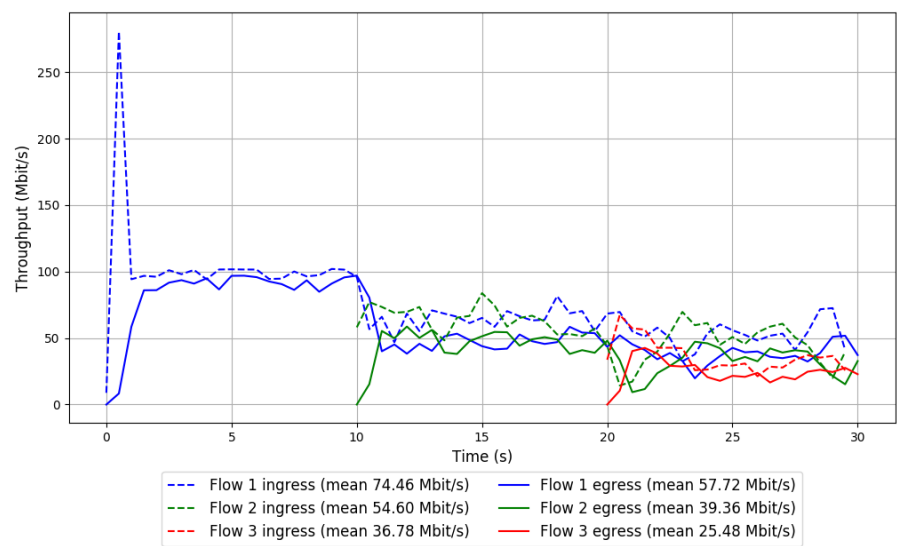
-- Flow 3:

Average throughput: 25.48 Mbit/s

95th percentile per-packet one-way delay: 44.204 ms

Loss rate: 30.75%

Run 4: Report of FillP — Data Link

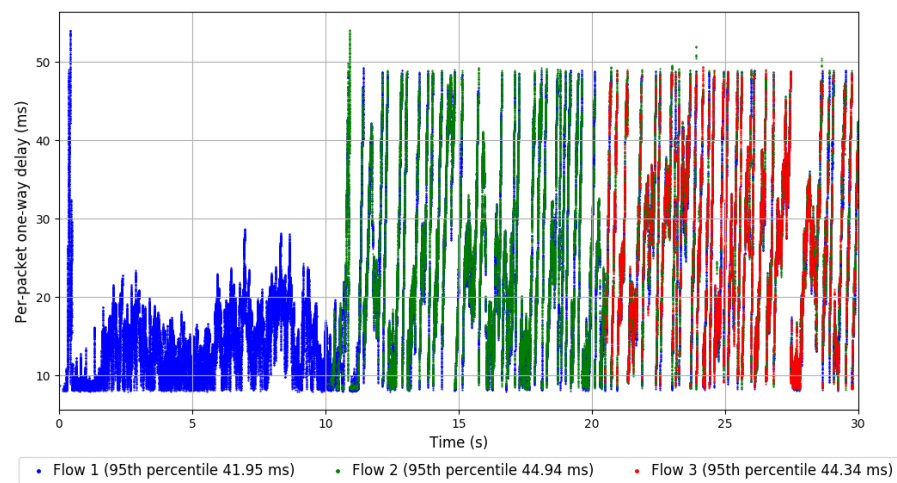
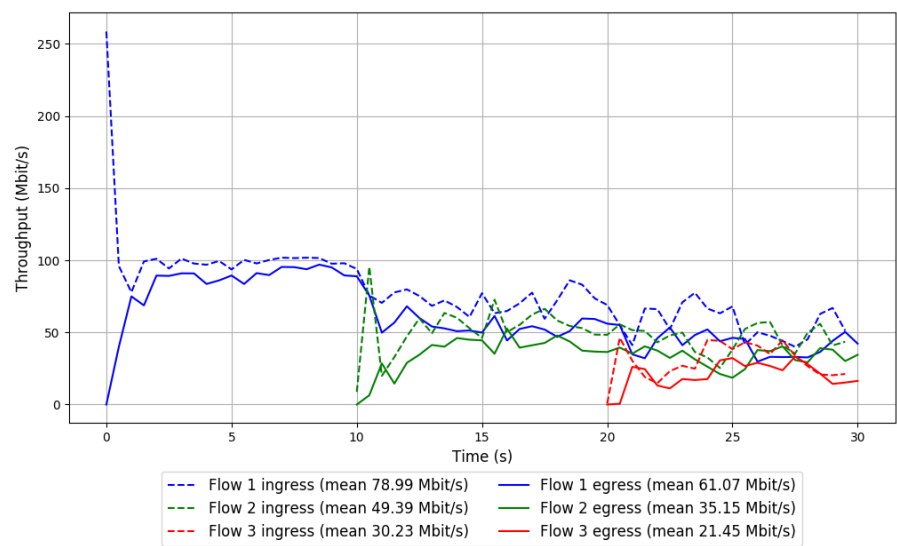


Run 5: Statistics of FillP

Start at: 2018-06-05 12:40:08  
End at: 2018-06-05 12:40:38  
Local clock offset: -0.949 ms  
Remote clock offset: -2.925 ms

# Below is generated by plot.py at 2018-06-05 14:41:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.57 Mbit/s  
95th percentile per-packet one-way delay: 43.272 ms  
Loss rate: 24.79%  
-- Flow 1:  
Average throughput: 61.07 Mbit/s  
95th percentile per-packet one-way delay: 41.955 ms  
Loss rate: 22.61%  
-- Flow 2:  
Average throughput: 35.15 Mbit/s  
95th percentile per-packet one-way delay: 44.939 ms  
Loss rate: 28.72%  
-- Flow 3:  
Average throughput: 21.45 Mbit/s  
95th percentile per-packet one-way delay: 44.340 ms  
Loss rate: 29.08%

Run 5: Report of FillP — Data Link



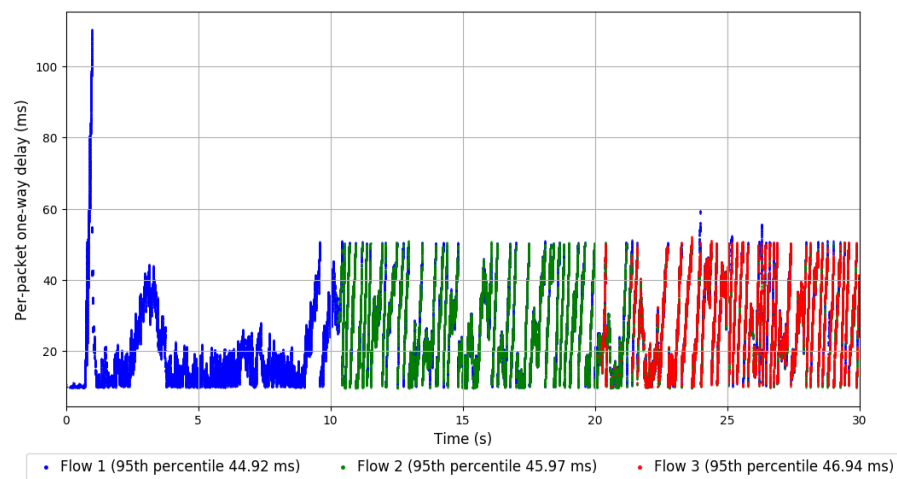
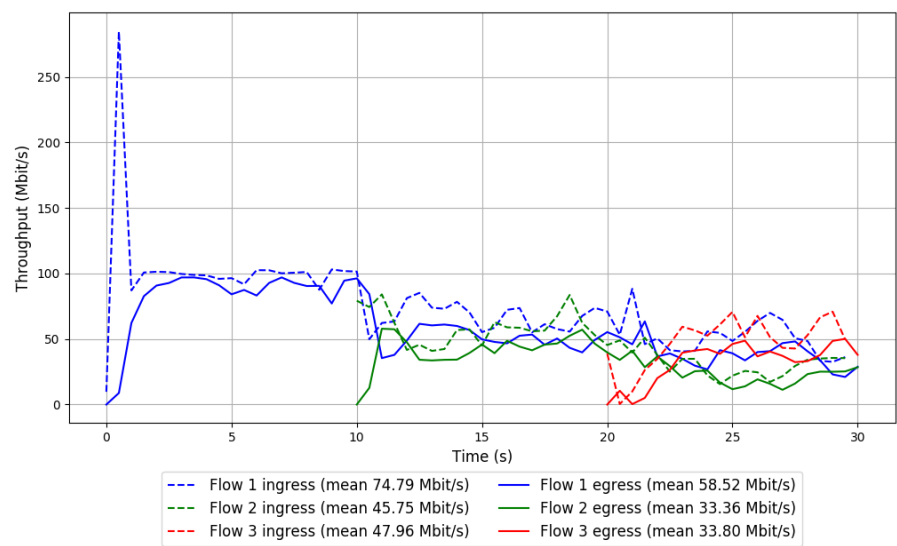
Run 6: Statistics of FillP

Start at: 2018-06-05 12:58:54  
End at: 2018-06-05 12:59:24  
Local clock offset: -1.081 ms  
Remote clock offset: -3.447 ms

# Below is generated by plot.py at 2018-06-05 14:41:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.95 Mbit/s  
95th percentile per-packet one-way delay: 45.731 ms  
Loss rate: 24.04%  
-- Flow 1:  
Average throughput: 58.52 Mbit/s  
95th percentile per-packet one-way delay: 44.924 ms  
Loss rate: 21.68%  
-- Flow 2:  
Average throughput: 33.36 Mbit/s  
95th percentile per-packet one-way delay: 45.974 ms  
Loss rate: 27.05%  
-- Flow 3:  
Average throughput: 33.80 Mbit/s  
95th percentile per-packet one-way delay: 46.936 ms  
Loss rate: 29.36%



Run 6: Report of FillP — Data Link

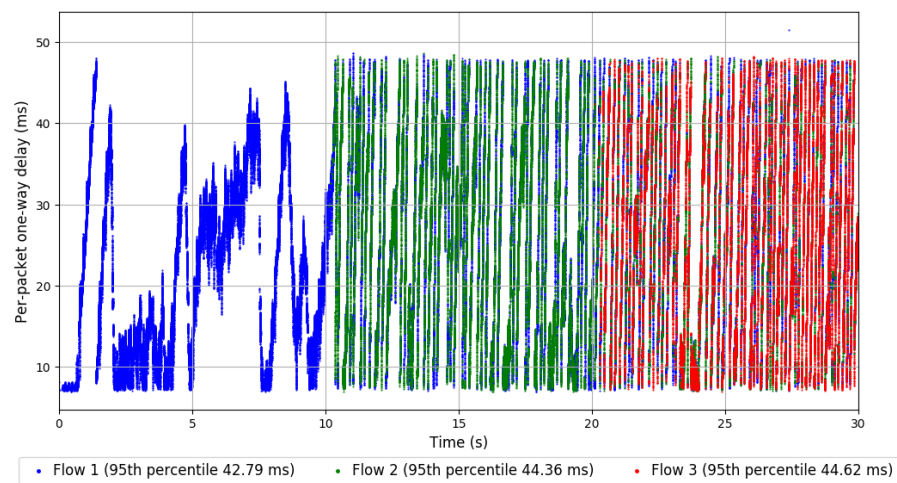
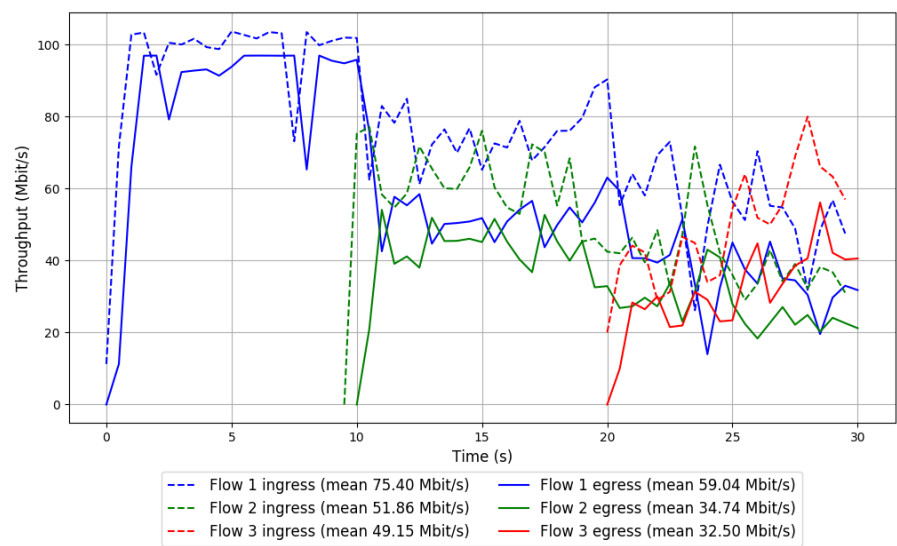


Run 7: Statistics of FillP

Start at: 2018-06-05 13:17:52  
End at: 2018-06-05 13:18:22  
Local clock offset: 1.38 ms  
Remote clock offset: -2.434 ms

# Below is generated by plot.py at 2018-06-05 14:41:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.97 Mbit/s  
95th percentile per-packet one-way delay: 43.556 ms  
Loss rate: 26.33%  
-- Flow 1:  
Average throughput: 59.04 Mbit/s  
95th percentile per-packet one-way delay: 42.789 ms  
Loss rate: 21.65%  
-- Flow 2:  
Average throughput: 34.74 Mbit/s  
95th percentile per-packet one-way delay: 44.356 ms  
Loss rate: 33.00%  
-- Flow 3:  
Average throughput: 32.50 Mbit/s  
95th percentile per-packet one-way delay: 44.615 ms  
Loss rate: 33.84%

Run 7: Report of FillP — Data Link

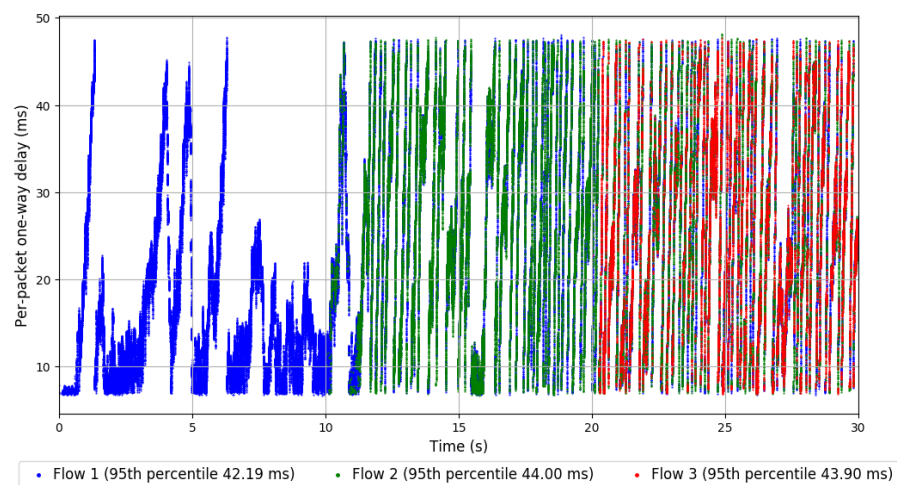
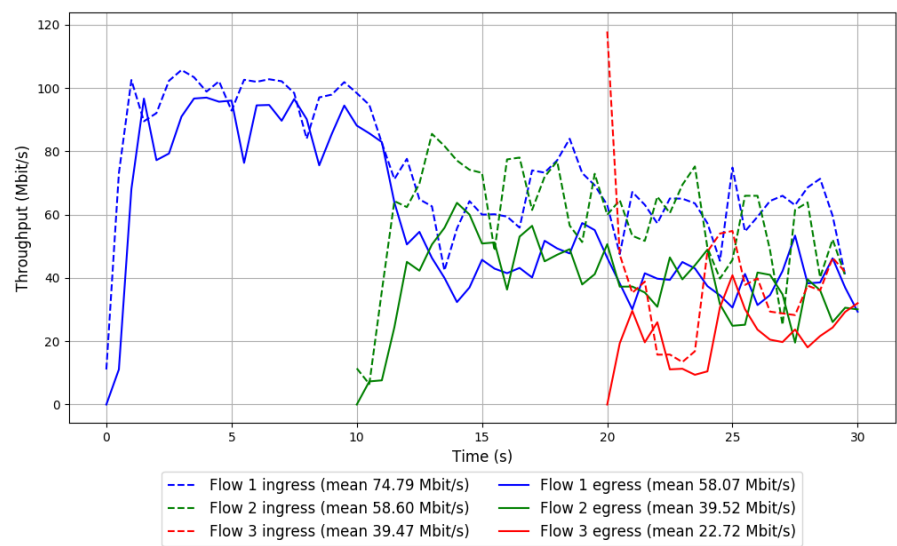


Run 8: Statistics of FillP

Start at: 2018-06-05 13:36:44  
End at: 2018-06-05 13:37:14  
Local clock offset: -1.368 ms  
Remote clock offset: -3.463 ms

# Below is generated by plot.py at 2018-06-05 14:41:53  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.91 Mbit/s  
95th percentile per-packet one-way delay: 43.012 ms  
Loss rate: 27.52%  
-- Flow 1:  
Average throughput: 58.07 Mbit/s  
95th percentile per-packet one-way delay: 42.192 ms  
Loss rate: 22.31%  
-- Flow 2:  
Average throughput: 39.52 Mbit/s  
95th percentile per-packet one-way delay: 44.003 ms  
Loss rate: 32.51%  
-- Flow 3:  
Average throughput: 22.72 Mbit/s  
95th percentile per-packet one-way delay: 43.895 ms  
Loss rate: 42.43%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-06-05 13:55:45

End at: 2018-06-05 13:56:15

Local clock offset: 0.433 ms

Remote clock offset: -9.79 ms

# Below is generated by plot.py at 2018-06-05 14:42:26

# Datalink statistics

-- Total of 3 flows:

Average throughput: 93.89 Mbit/s

95th percentile per-packet one-way delay: 40.820 ms

Loss rate: 31.03%

-- Flow 1:

Average throughput: 57.28 Mbit/s

95th percentile per-packet one-way delay: 40.153 ms

Loss rate: 24.00%

-- Flow 2:

Average throughput: 40.06 Mbit/s

95th percentile per-packet one-way delay: 41.598 ms

Loss rate: 37.79%

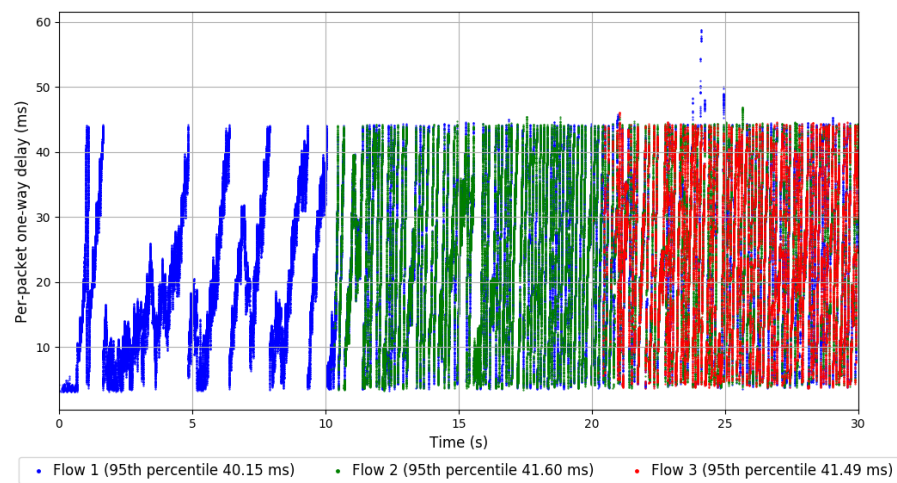
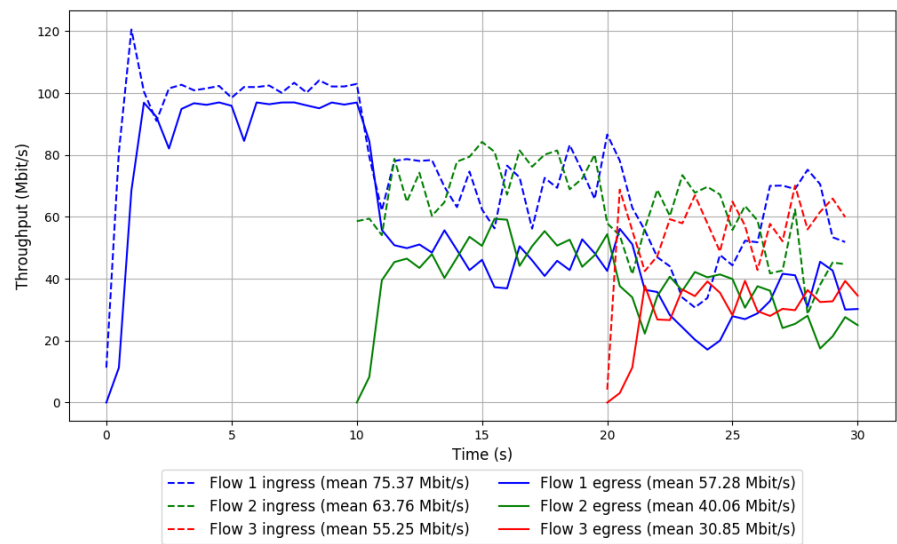
-- Flow 3:

Average throughput: 30.85 Mbit/s

95th percentile per-packet one-way delay: 41.494 ms

Loss rate: 44.26%

Run 9: Report of FillP — Data Link



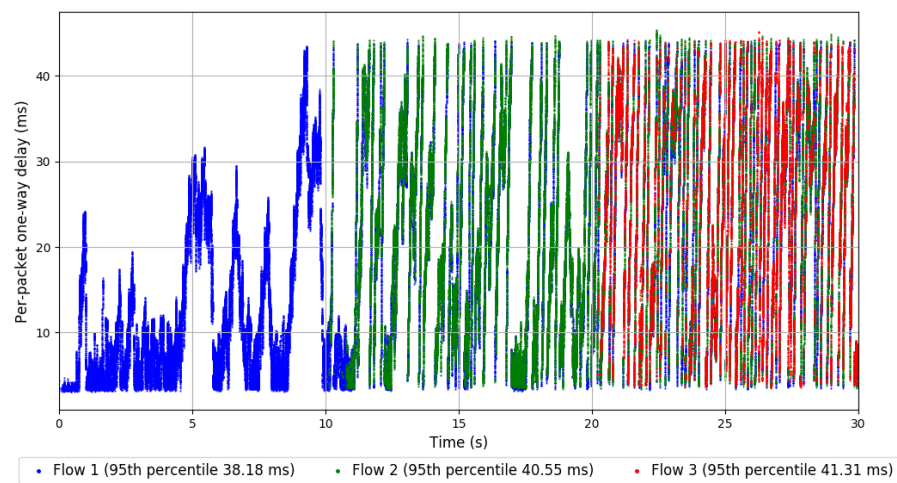
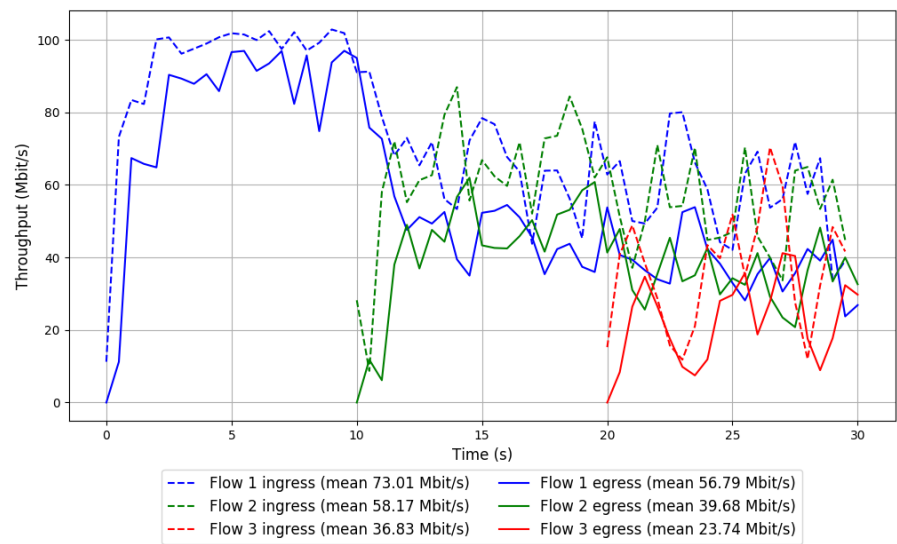
Run 10: Statistics of FillP

Start at: 2018-06-05 14:14:23  
End at: 2018-06-05 14:14:53  
Local clock offset: 1.251 ms  
Remote clock offset: -18.578 ms

# Below is generated by plot.py at 2018-06-05 14:42:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.07 Mbit/s  
95th percentile per-packet one-way delay: 39.514 ms  
Loss rate: 26.52%  
-- Flow 1:  
Average throughput: 56.79 Mbit/s  
95th percentile per-packet one-way delay: 38.178 ms  
Loss rate: 22.21%  
-- Flow 2:  
Average throughput: 39.68 Mbit/s  
95th percentile per-packet one-way delay: 40.555 ms  
Loss rate: 31.78%  
-- Flow 3:  
Average throughput: 23.74 Mbit/s  
95th percentile per-packet one-way delay: 41.307 ms  
Loss rate: 35.59%



Run 10: Report of FillP — Data Link

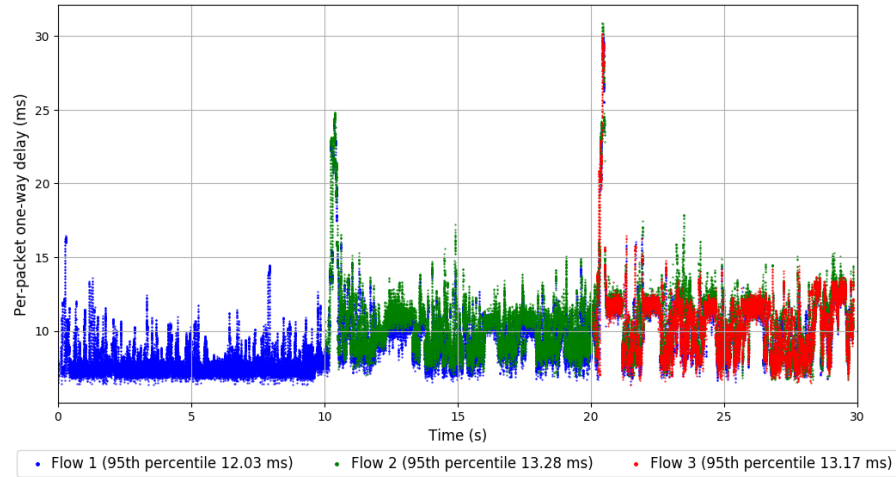
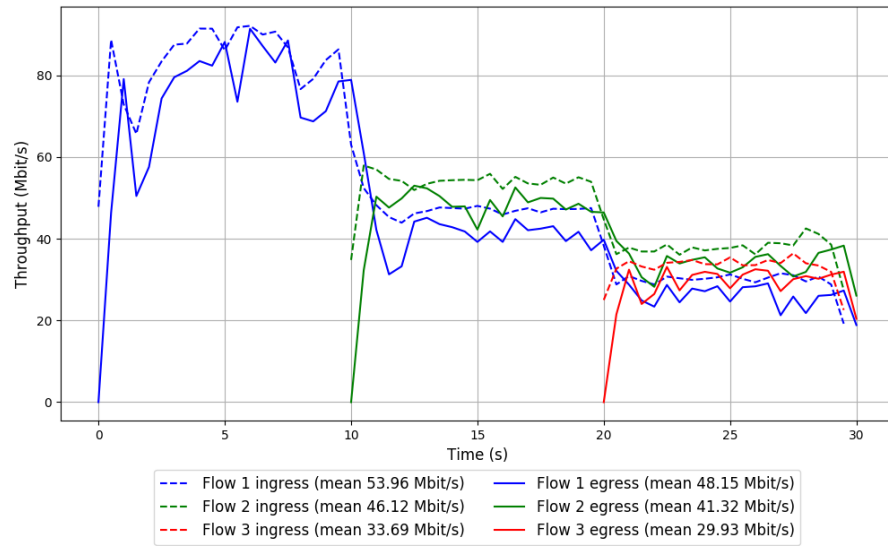


```
Run 1: Statistics of Indigo

Start at: 2018-06-05 11:33:29
End at: 2018-06-05 11:33:59
Local clock offset: 2.555 ms
Remote clock offset: -13.921 ms

# Below is generated by plot.py at 2018-06-05 14:42:30
# Datalink statistics
-- Total of 3 flows:
Average throughput: 85.35 Mbit/s
95th percentile per-packet one-way delay: 12.859 ms
Loss rate: 10.68%
-- Flow 1:
Average throughput: 48.15 Mbit/s
95th percentile per-packet one-way delay: 12.033 ms
Loss rate: 10.76%
-- Flow 2:
Average throughput: 41.32 Mbit/s
95th percentile per-packet one-way delay: 13.280 ms
Loss rate: 10.38%
-- Flow 3:
Average throughput: 29.93 Mbit/s
95th percentile per-packet one-way delay: 13.170 ms
Loss rate: 11.11%
```

## Run 1: Report of Indigo — Data Link

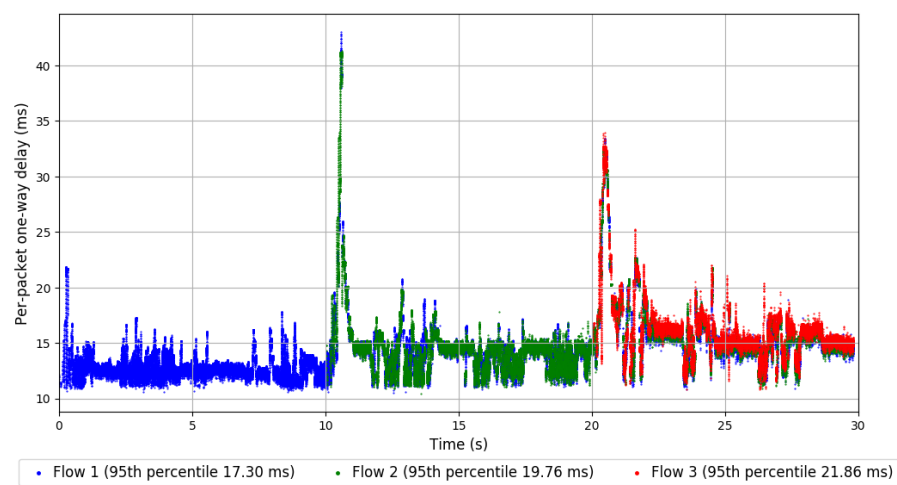
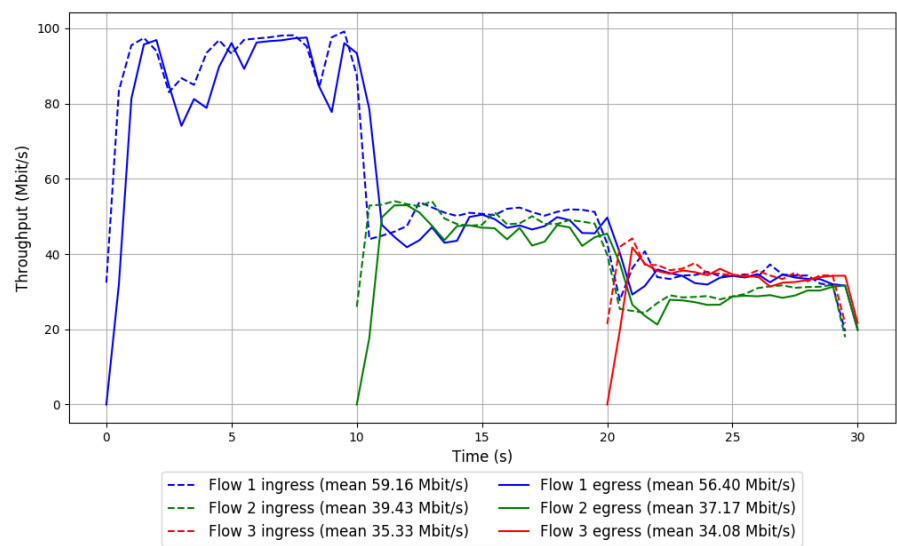


Run 2: Statistics of Indigo

Start at: 2018-06-05 11:52:55  
End at: 2018-06-05 11:53:25  
Local clock offset: -3.387 ms  
Remote clock offset: -7.558 ms

# Below is generated by plot.py at 2018-06-05 14:42:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.23 Mbit/s  
95th percentile per-packet one-way delay: 18.736 ms  
Loss rate: 4.80%  
-- Flow 1:  
Average throughput: 56.40 Mbit/s  
95th percentile per-packet one-way delay: 17.297 ms  
Loss rate: 4.65%  
-- Flow 2:  
Average throughput: 37.17 Mbit/s  
95th percentile per-packet one-way delay: 19.759 ms  
Loss rate: 5.71%  
-- Flow 3:  
Average throughput: 34.08 Mbit/s  
95th percentile per-packet one-way delay: 21.863 ms  
Loss rate: 3.54%

Run 2: Report of Indigo — Data Link

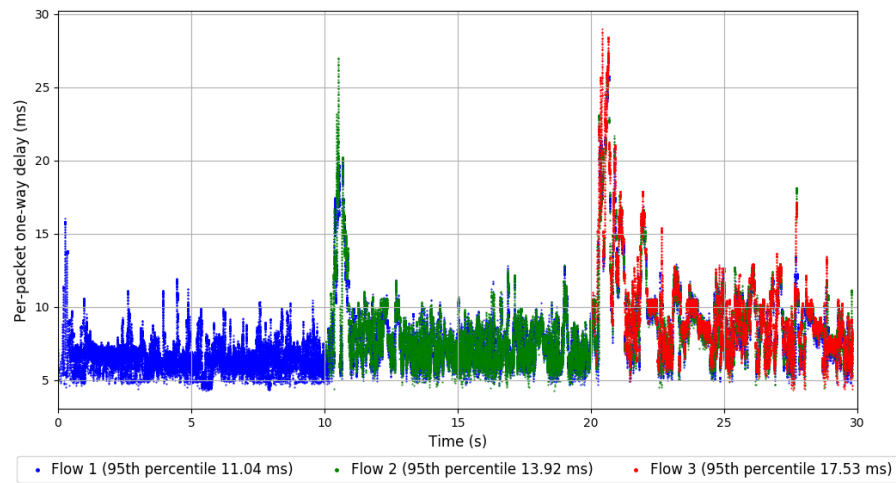
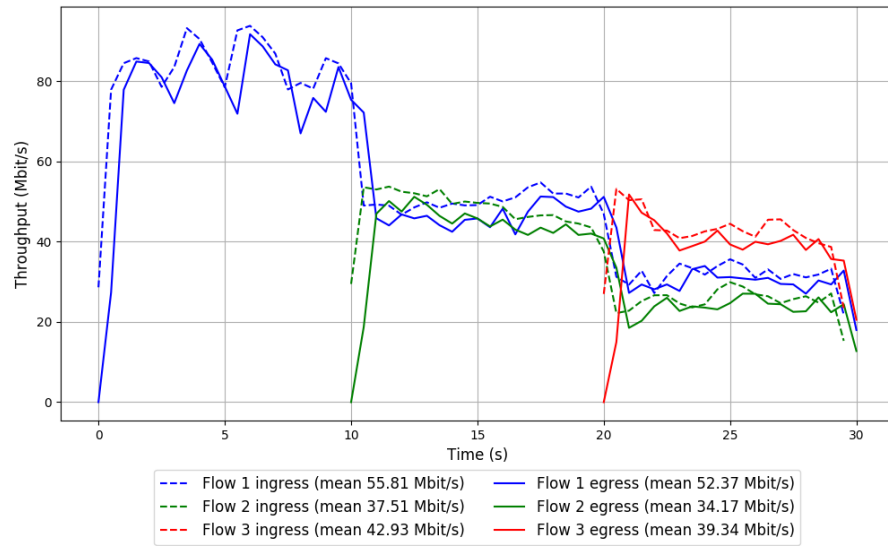


Run 3: Statistics of Indigo

Start at: 2018-06-05 12:11:41  
End at: 2018-06-05 12:12:11  
Local clock offset: -0.31 ms  
Remote clock offset: -8.684 ms

# Below is generated by plot.py at 2018-06-05 14:42:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.93 Mbit/s  
95th percentile per-packet one-way delay: 13.244 ms  
Loss rate: 7.20%  
-- Flow 1:  
Average throughput: 52.37 Mbit/s  
95th percentile per-packet one-way delay: 11.045 ms  
Loss rate: 6.15%  
-- Flow 2:  
Average throughput: 34.17 Mbit/s  
95th percentile per-packet one-way delay: 13.917 ms  
Loss rate: 8.89%  
-- Flow 3:  
Average throughput: 39.34 Mbit/s  
95th percentile per-packet one-way delay: 17.527 ms  
Loss rate: 8.35%

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



Run 4: Statistics of Indigo

Start at: 2018-06-05 12:30:48

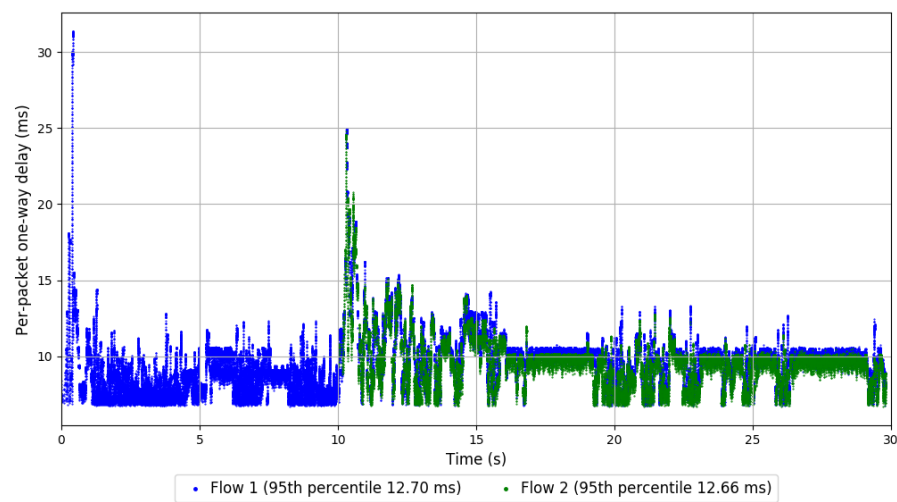
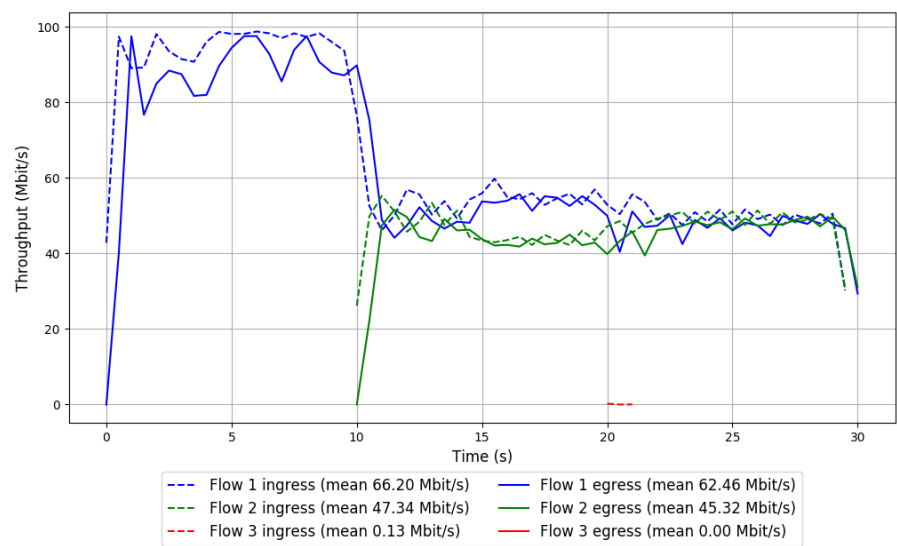
End at: 2018-06-05 12:31:18

Local clock offset: -0.617 ms

Remote clock offset: -3.627 ms



Run 4: Report of Indigo — Data Link

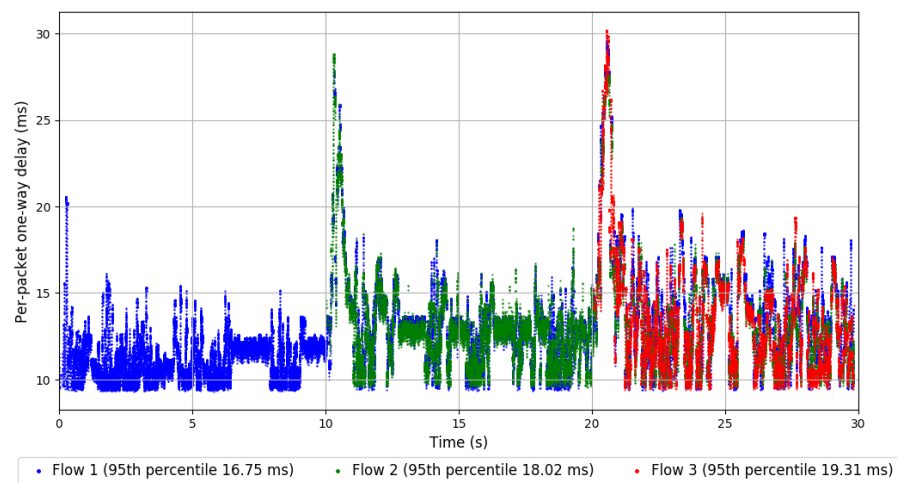
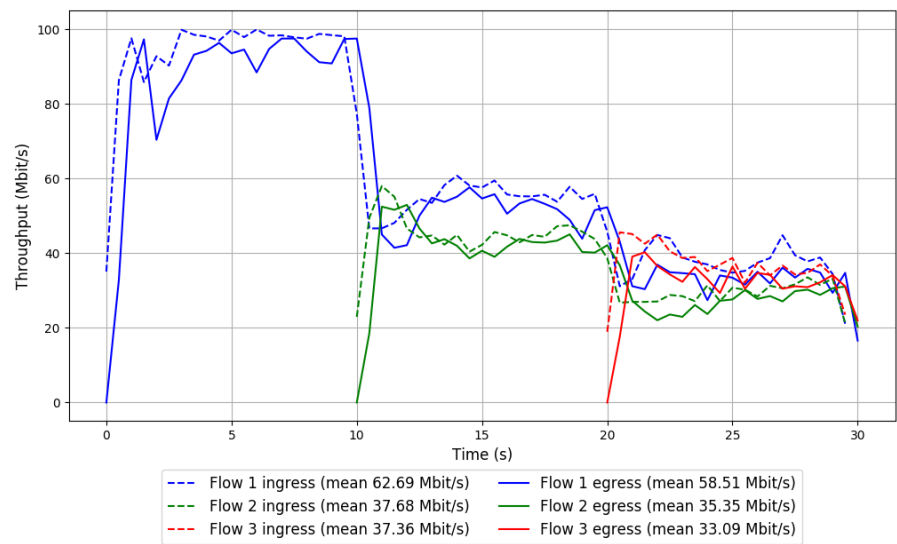


Run 5: Statistics of Indigo

Start at: 2018-06-05 12:49:34  
End at: 2018-06-05 12:50:04  
Local clock offset: -0.784 ms  
Remote clock offset: -3.178 ms

# Below is generated by plot.py at 2018-06-05 14:42:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.75 Mbit/s  
95th percentile per-packet one-way delay: 17.484 ms  
Loss rate: 7.13%  
-- Flow 1:  
Average throughput: 58.51 Mbit/s  
95th percentile per-packet one-way delay: 16.745 ms  
Loss rate: 6.67%  
-- Flow 2:  
Average throughput: 35.35 Mbit/s  
95th percentile per-packet one-way delay: 18.024 ms  
Loss rate: 6.19%  
-- Flow 3:  
Average throughput: 33.09 Mbit/s  
95th percentile per-packet one-way delay: 19.312 ms  
Loss rate: 11.43%

Run 5: Report of Indigo — Data Link

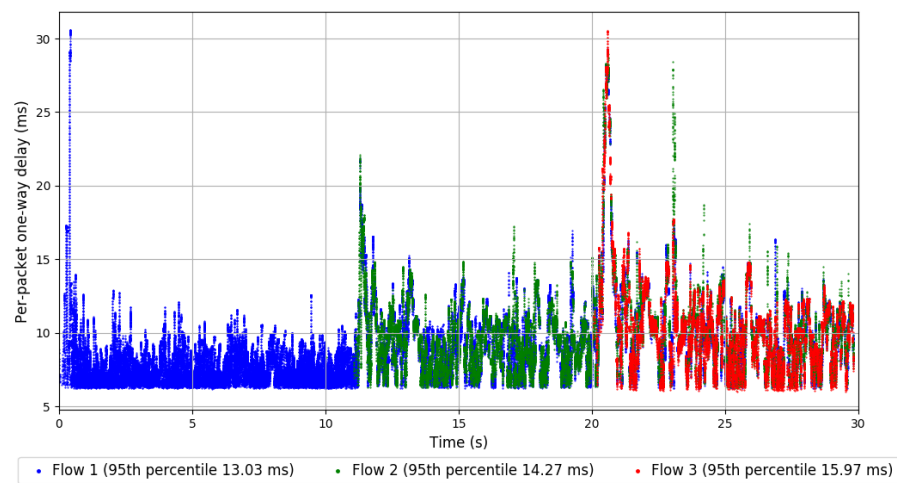
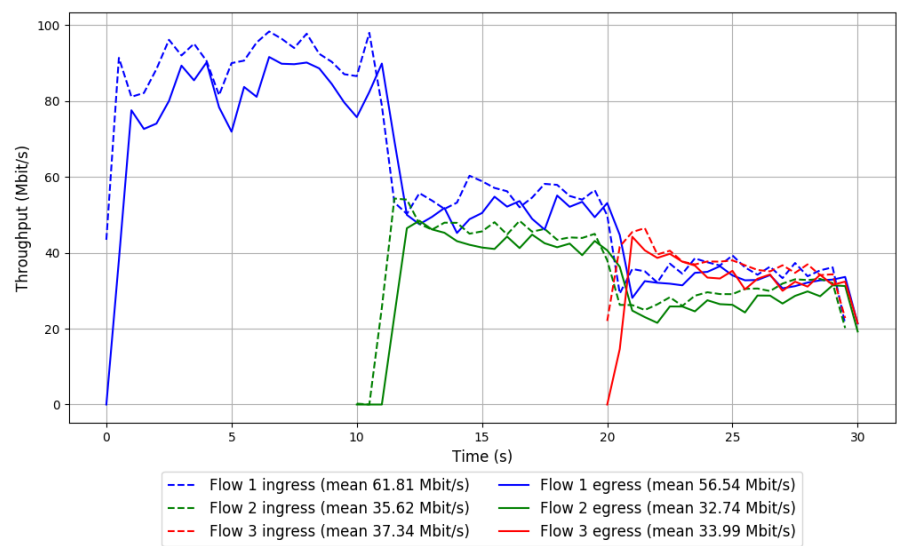


Run 6: Statistics of Indigo

Start at: 2018-06-05 13:08:29  
End at: 2018-06-05 13:08:59  
Local clock offset: 2.968 ms  
Remote clock offset: -2.724 ms

# Below is generated by plot.py at 2018-06-05 14:43:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.40 Mbit/s  
95th percentile per-packet one-way delay: 13.744 ms  
Loss rate: 8.48%  
-- Flow 1:  
Average throughput: 56.54 Mbit/s  
95th percentile per-packet one-way delay: 13.028 ms  
Loss rate: 8.53%  
-- Flow 2:  
Average throughput: 32.74 Mbit/s  
95th percentile per-packet one-way delay: 14.271 ms  
Loss rate: 8.08%  
-- Flow 3:  
Average throughput: 33.99 Mbit/s  
95th percentile per-packet one-way delay: 15.970 ms  
Loss rate: 8.99%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-05 13:27:20

End at: 2018-06-05 13:27:50

Local clock offset: -10.17 ms

Remote clock offset: 0.582 ms

# Below is generated by plot.py at 2018-06-05 14:43:25

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.74 Mbit/s

95th percentile per-packet one-way delay: 28.934 ms

Loss rate: 12.98%

-- Flow 1:

Average throughput: 53.08 Mbit/s

95th percentile per-packet one-way delay: 28.021 ms

Loss rate: 11.66%

-- Flow 2:

Average throughput: 35.82 Mbit/s

95th percentile per-packet one-way delay: 29.320 ms

Loss rate: 14.51%

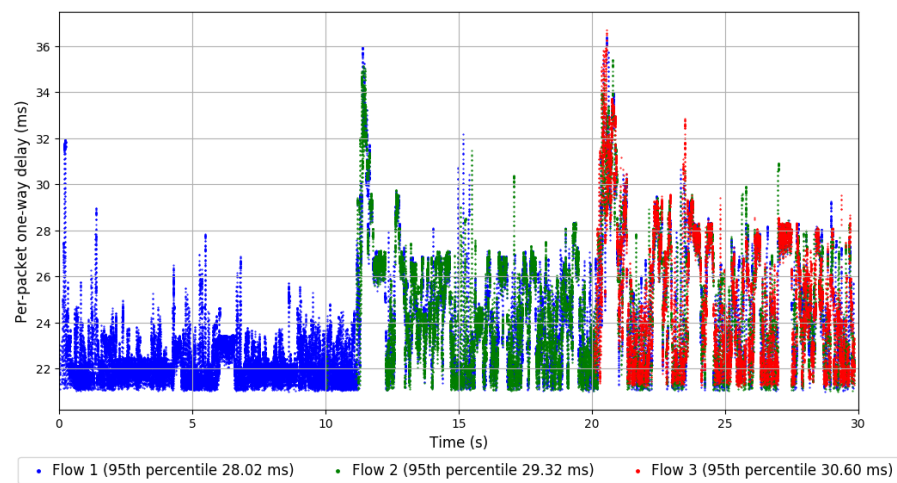
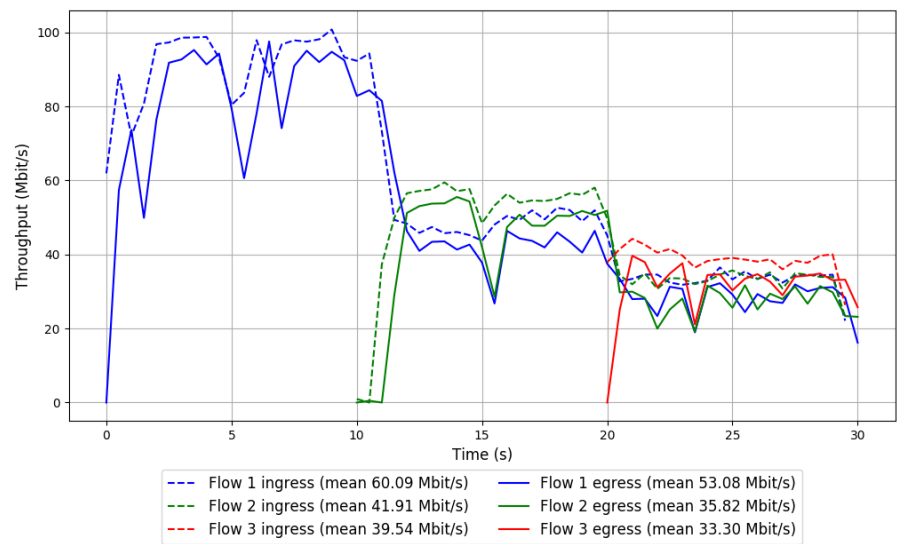
-- Flow 3:

Average throughput: 33.30 Mbit/s

95th percentile per-packet one-way delay: 30.599 ms

Loss rate: 15.77%

Run 7: Report of Indigo — Data Link



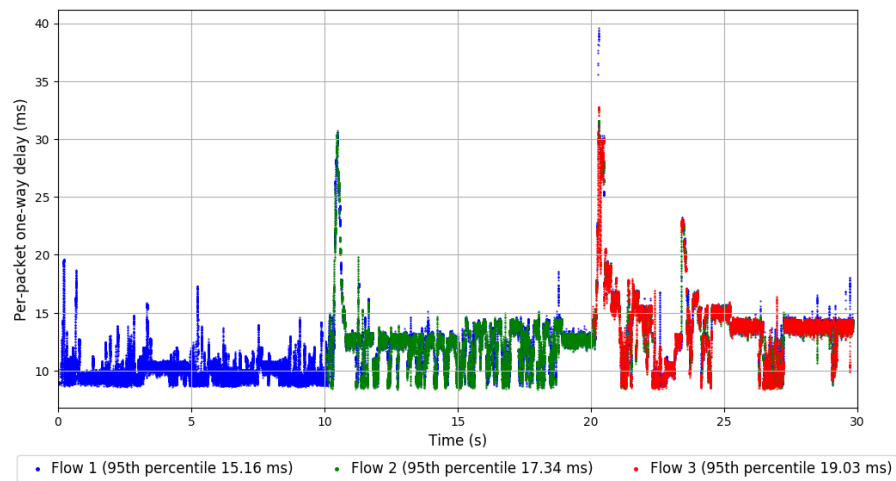
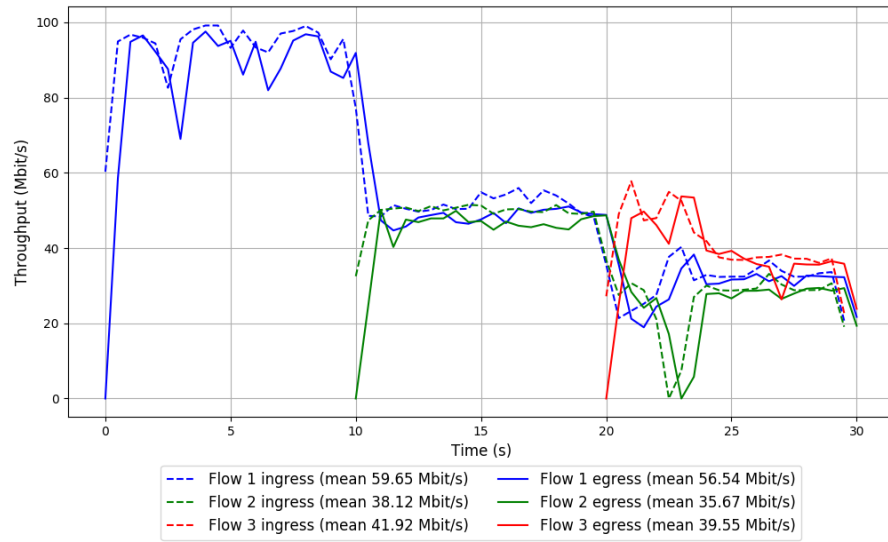
Run 8: Statistics of Indigo

Start at: 2018-06-05 13:46:16  
End at: 2018-06-05 13:46:46  
Local clock offset: -4.441 ms  
Remote clock offset: -3.381 ms

```
# Below is generated by plot.py at 2018-06-05 14:43:32
# Datalink statistics
-- Total of 3 flows:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 16.420 ms
Loss rate: 5.57%
-- Flow 1:
Average throughput: 56.54 Mbit/s
95th percentile per-packet one-way delay: 15.163 ms
Loss rate: 5.20%
-- Flow 2:
Average throughput: 35.67 Mbit/s
95th percentile per-packet one-way delay: 17.340 ms
Loss rate: 6.39%
-- Flow 3:
Average throughput: 39.55 Mbit/s
95th percentile per-packet one-way delay: 19.028 ms
Loss rate: 5.65%
```



## Run 8: Report of Indigo — Data Link

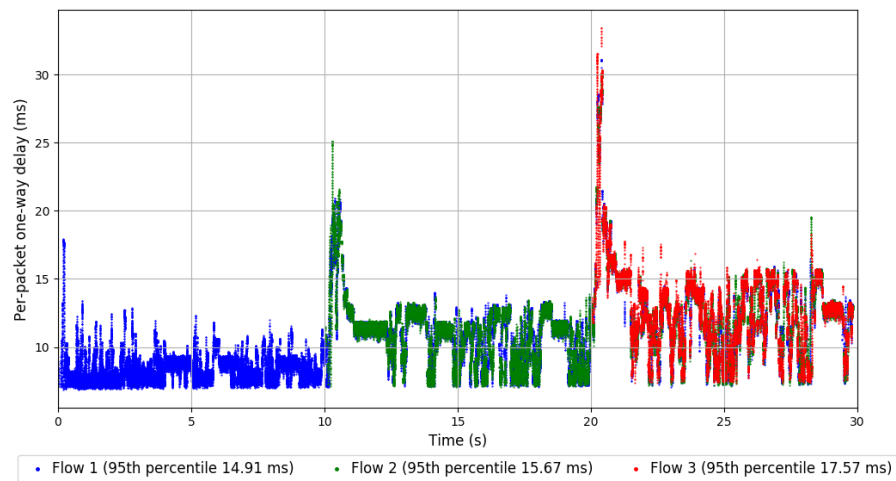
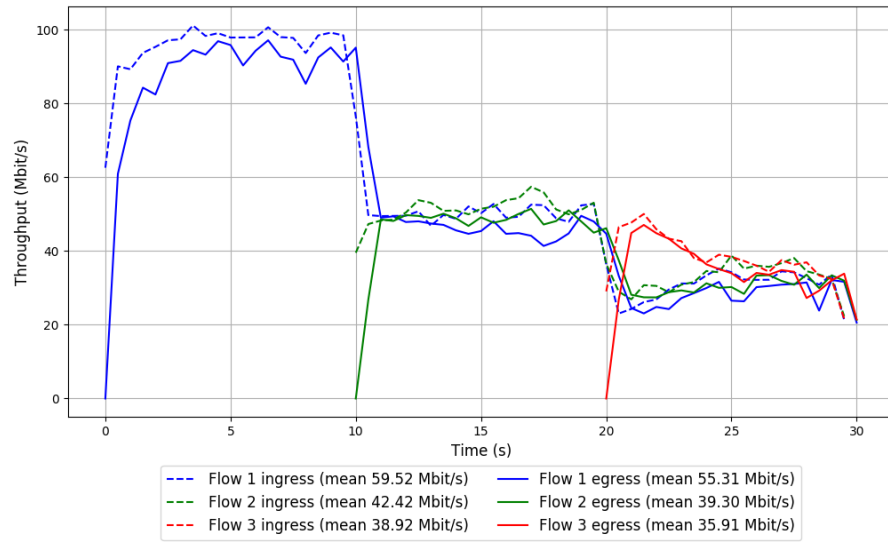


Run 9: Statistics of Indigo

Start at: 2018-06-05 14:05:06  
End at: 2018-06-05 14:05:36  
Local clock offset: -3.733 ms  
Remote clock offset: -16.005 ms

# Below is generated by plot.py at 2018-06-05 14:43:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.20 Mbit/s  
95th percentile per-packet one-way delay: 15.429 ms  
Loss rate: 7.22%  
-- Flow 1:  
Average throughput: 55.31 Mbit/s  
95th percentile per-packet one-way delay: 14.906 ms  
Loss rate: 7.06%  
-- Flow 2:  
Average throughput: 39.30 Mbit/s  
95th percentile per-packet one-way delay: 15.674 ms  
Loss rate: 7.35%  
-- Flow 3:  
Average throughput: 35.91 Mbit/s  
95th percentile per-packet one-way delay: 17.565 ms  
Loss rate: 7.72%

## Run 9: Report of Indigo — Data Link

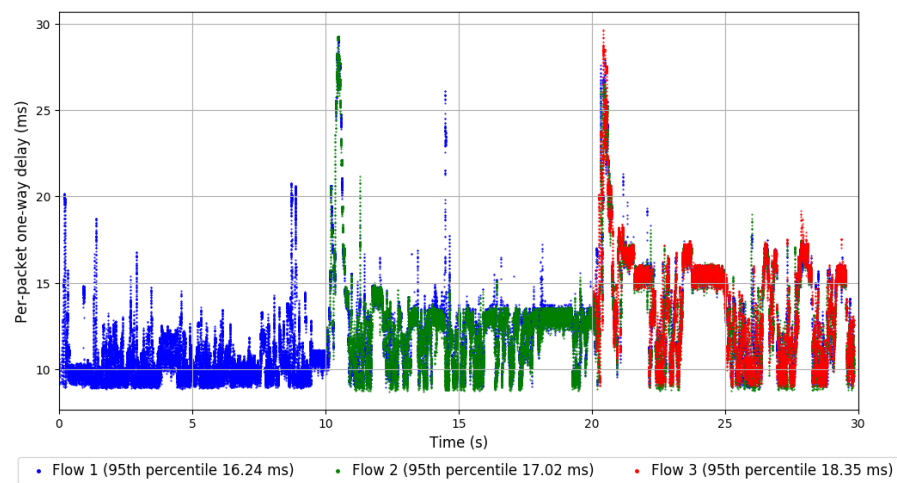
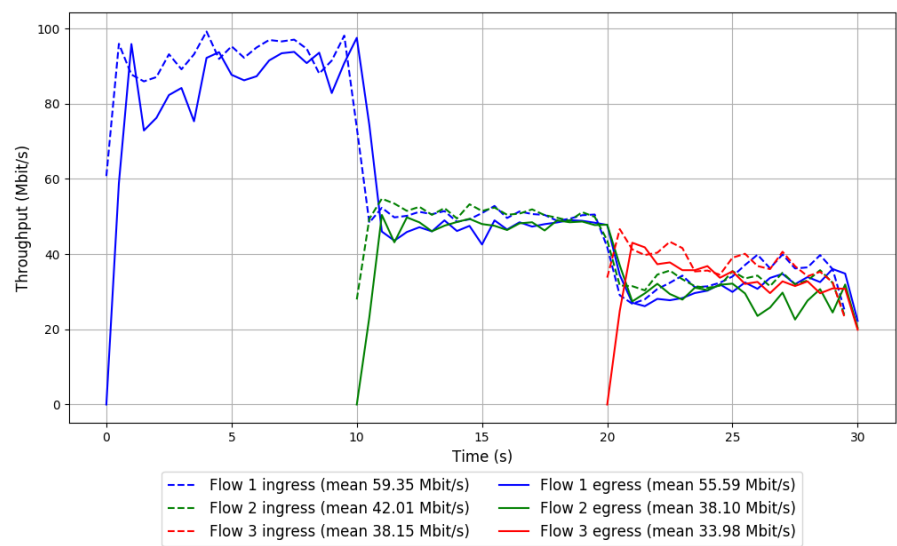


Run 10: Statistics of Indigo

Start at: 2018-06-05 14:23:47  
End at: 2018-06-05 14:24:17  
Local clock offset: -2.637 ms  
Remote clock offset: -19.083 ms

# Below is generated by plot.py at 2018-06-05 14:43:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.01 Mbit/s  
95th percentile per-packet one-way delay: 16.964 ms  
Loss rate: 7.74%  
-- Flow 1:  
Average throughput: 55.59 Mbit/s  
95th percentile per-packet one-way delay: 16.244 ms  
Loss rate: 6.33%  
-- Flow 2:  
Average throughput: 38.10 Mbit/s  
95th percentile per-packet one-way delay: 17.022 ms  
Loss rate: 9.29%  
-- Flow 3:  
Average throughput: 33.98 Mbit/s  
95th percentile per-packet one-way delay: 18.349 ms  
Loss rate: 10.93%

Run 10: Report of Indigo — Data Link

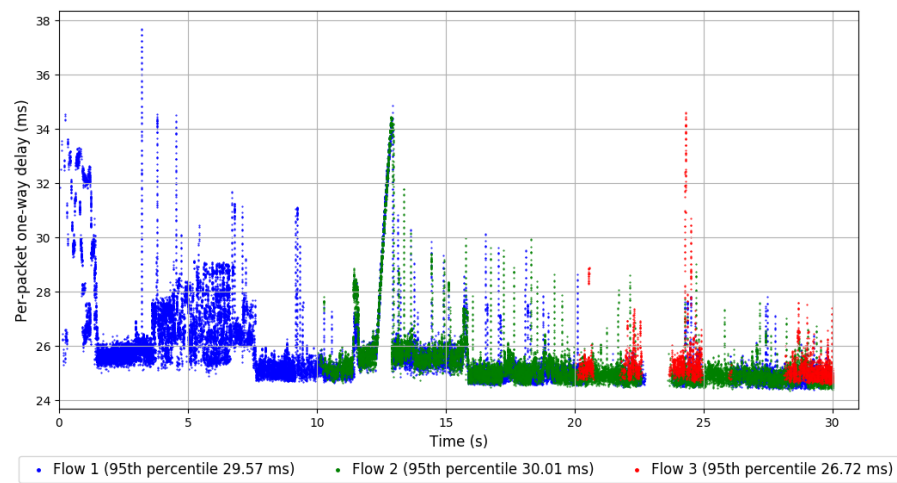
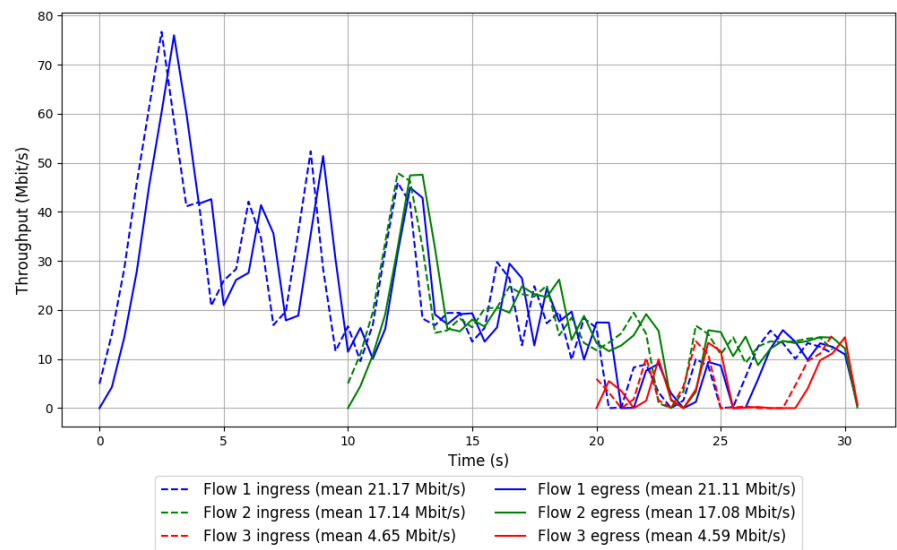


```
Run 1: Statistics of LEDBAT

Start at: 2018-06-05 11:34:41
End at: 2018-06-05 11:35:11
Local clock offset: 1.851 ms
Remote clock offset: 4.75 ms

# Below is generated by plot.py at 2018-06-05 14:43:43
# Datalink statistics
-- Total of 3 flows:
Average throughput: 34.00 Mbit/s
95th percentile per-packet one-way delay: 29.600 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 21.11 Mbit/s
95th percentile per-packet one-way delay: 29.570 ms
Loss rate: 0.31%
-- Flow 2:
Average throughput: 17.08 Mbit/s
95th percentile per-packet one-way delay: 30.012 ms
Loss rate: 0.39%
-- Flow 3:
Average throughput: 4.59 Mbit/s
95th percentile per-packet one-way delay: 26.717 ms
Loss rate: 1.32%
```

Run 1: Report of LEDBAT — Data Link



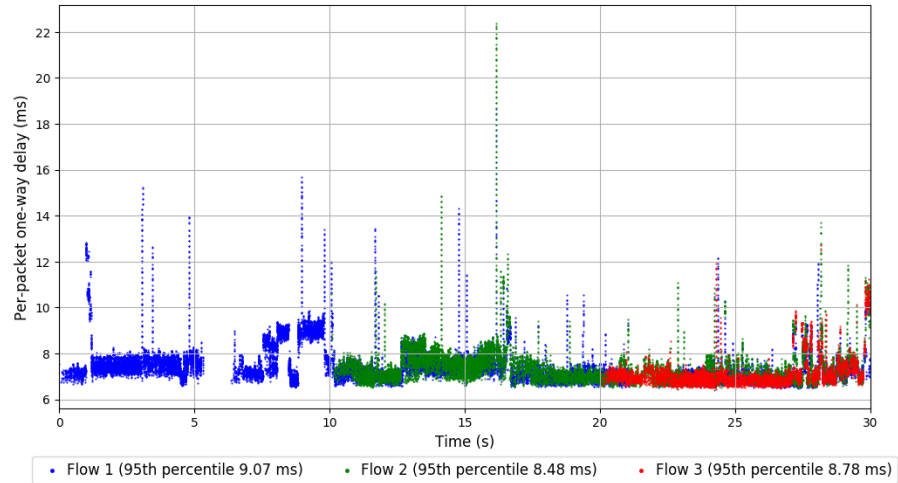
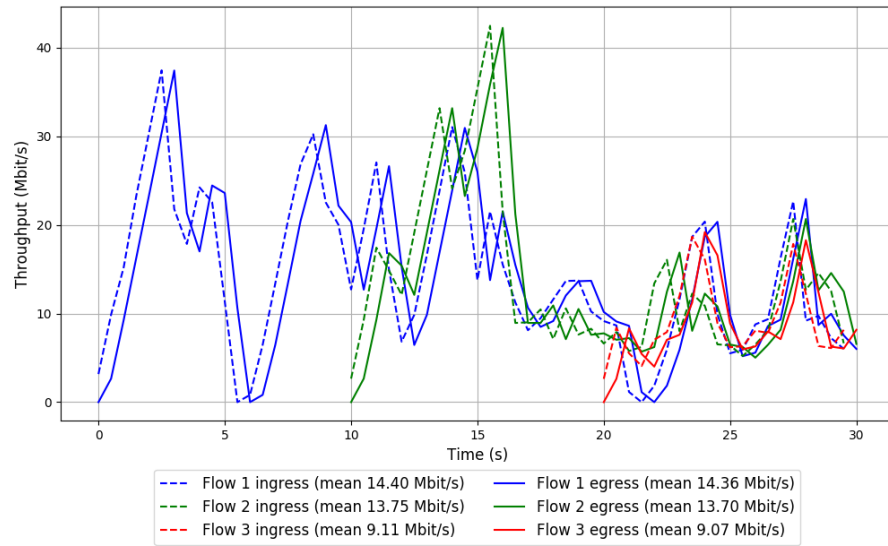
Run 2: Statistics of LEDBAT

Start at: 2018-06-05 11:54:07  
End at: 2018-06-05 11:54:37  
Local clock offset: -0.935 ms  
Remote clock offset: -8.834 ms

# Below is generated by plot.py at 2018-06-05 14:43:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 26.49 Mbit/s  
95th percentile per-packet one-way delay: 8.958 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 14.36 Mbit/s  
95th percentile per-packet one-way delay: 9.073 ms  
Loss rate: 0.27%  
-- Flow 2:  
Average throughput: 13.70 Mbit/s  
95th percentile per-packet one-way delay: 8.485 ms  
Loss rate: 0.36%  
-- Flow 3:  
Average throughput: 9.07 Mbit/s  
95th percentile per-packet one-way delay: 8.779 ms  
Loss rate: 0.49%



## Run 2: Report of LEDBAT — Data Link

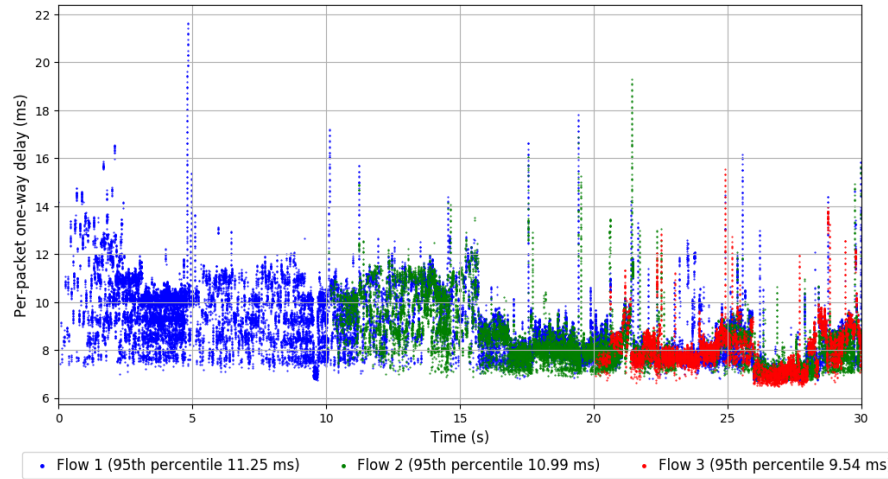
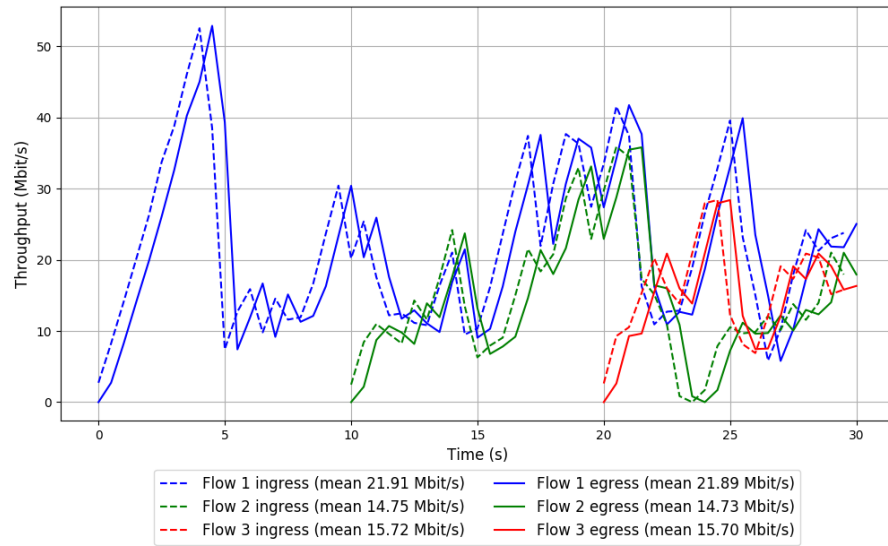


Run 3: Statistics of LEDBAT

Start at: 2018-06-05 12:12:54  
End at: 2018-06-05 12:13:24  
Local clock offset: -1.503 ms  
Remote clock offset: -7.308 ms

# Below is generated by plot.py at 2018-06-05 14:43:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 36.90 Mbit/s  
95th percentile per-packet one-way delay: 11.105 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 21.89 Mbit/s  
95th percentile per-packet one-way delay: 11.248 ms  
Loss rate: 0.07%  
-- Flow 2:  
Average throughput: 14.73 Mbit/s  
95th percentile per-packet one-way delay: 10.987 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 15.70 Mbit/s  
95th percentile per-packet one-way delay: 9.539 ms  
Loss rate: 0.11%

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

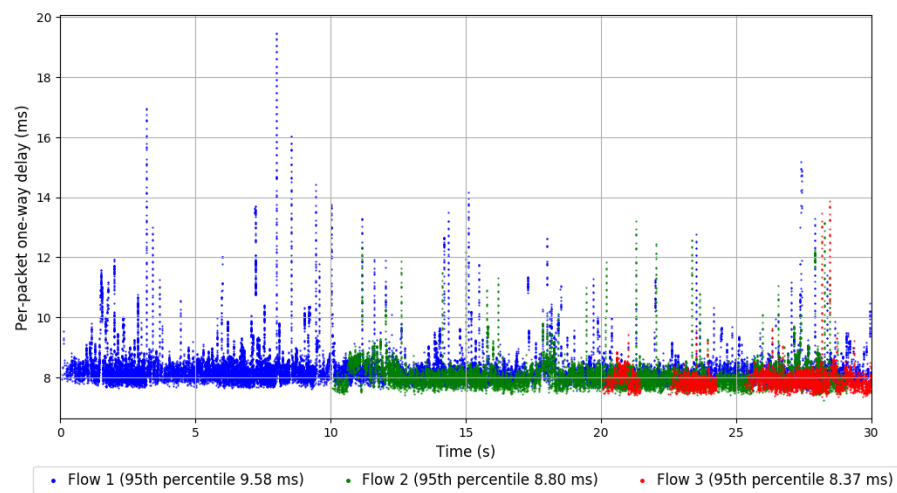
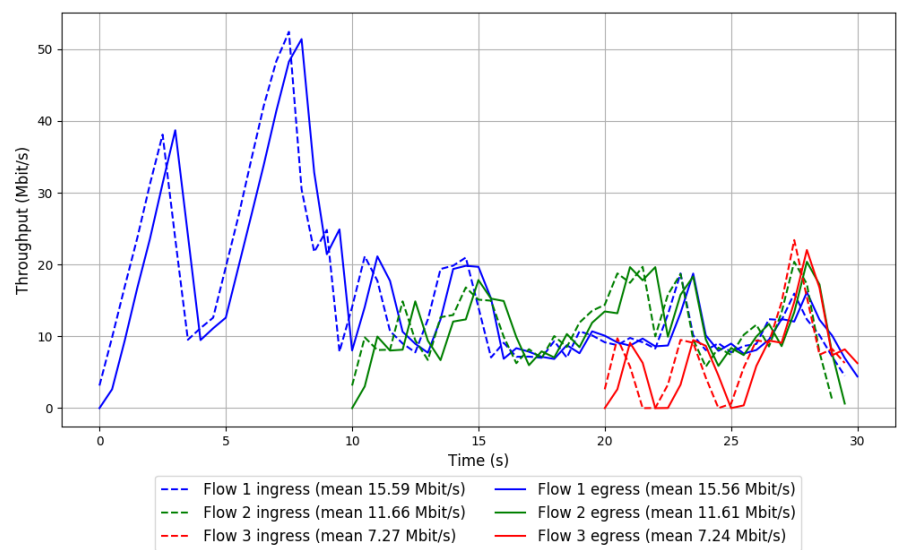


Run 4: Statistics of LEDBAT

Start at: 2018-06-05 12:31:59  
End at: 2018-06-05 12:32:29  
Local clock offset: -1.687 ms  
Remote clock offset: -3.824 ms

# Below is generated by plot.py at 2018-06-05 14:43:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 25.35 Mbit/s  
95th percentile per-packet one-way delay: 9.271 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 15.56 Mbit/s  
95th percentile per-packet one-way delay: 9.582 ms  
Loss rate: 0.20%  
-- Flow 2:  
Average throughput: 11.61 Mbit/s  
95th percentile per-packet one-way delay: 8.799 ms  
Loss rate: 0.42%  
-- Flow 3:  
Average throughput: 7.24 Mbit/s  
95th percentile per-packet one-way delay: 8.366 ms  
Loss rate: 0.42%

Run 4: Report of LEDBAT — Data Link

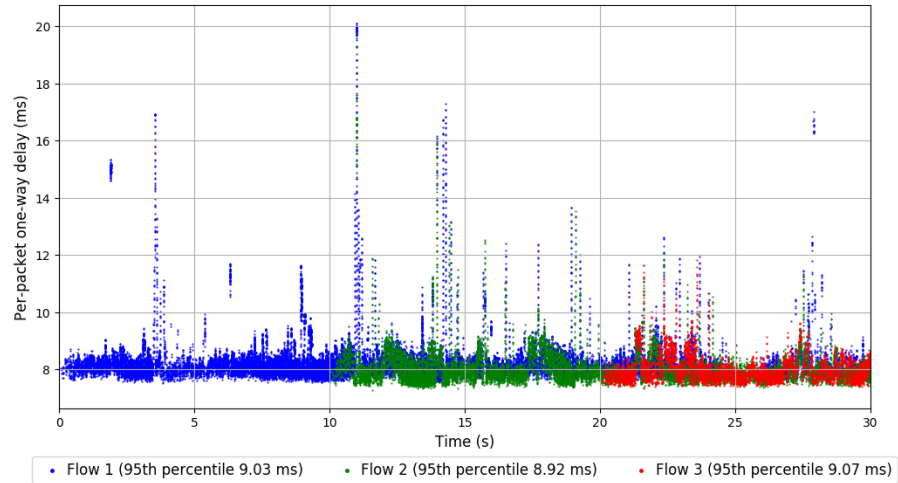
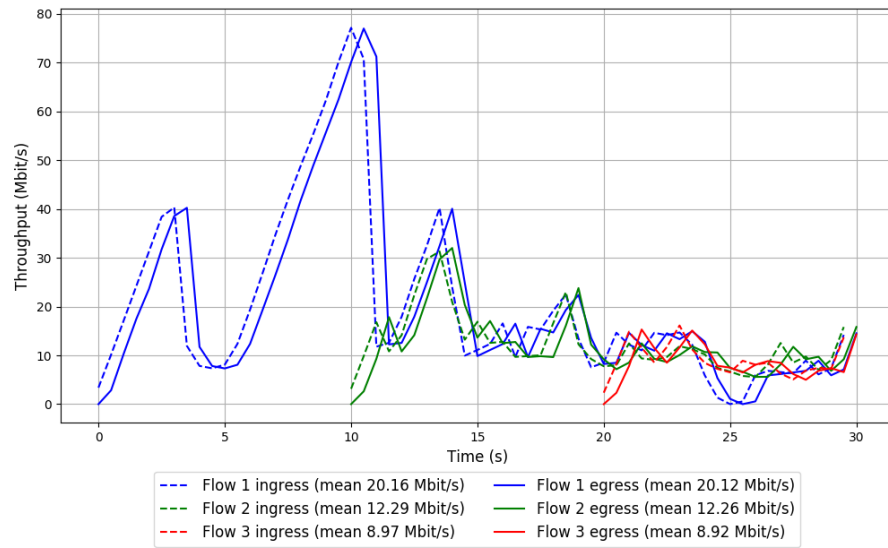


Run 5: Statistics of LEDBAT

Start at: 2018-06-05 12:50:49  
End at: 2018-06-05 12:51:19  
Local clock offset: 0.752 ms  
Remote clock offset: -3.709 ms

# Below is generated by plot.py at 2018-06-05 14:43:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 31.25 Mbit/s  
95th percentile per-packet one-way delay: 8.992 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 20.12 Mbit/s  
95th percentile per-packet one-way delay: 9.027 ms  
Loss rate: 0.19%  
-- Flow 2:  
Average throughput: 12.26 Mbit/s  
95th percentile per-packet one-way delay: 8.920 ms  
Loss rate: 0.26%  
-- Flow 3:  
Average throughput: 8.92 Mbit/s  
95th percentile per-packet one-way delay: 9.072 ms  
Loss rate: 0.54%

## Run 5: Report of LEDBAT — Data Link



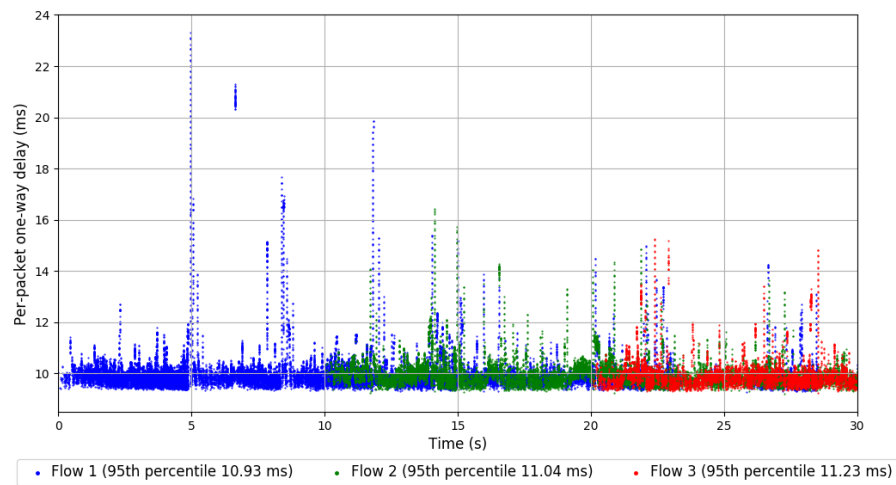
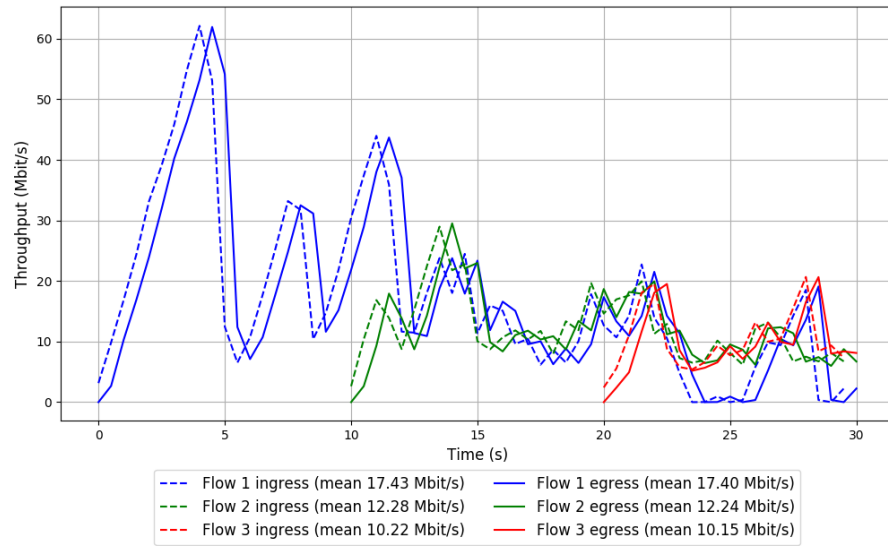
Run 6: Statistics of LEDBAT

Start at: 2018-06-05 13:09:44  
End at: 2018-06-05 13:10:14  
Local clock offset: -0.666 ms  
Remote clock offset: -3.146 ms

# Below is generated by plot.py at 2018-06-05 14:43:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 28.92 Mbit/s  
95th percentile per-packet one-way delay: 10.983 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 17.40 Mbit/s  
95th percentile per-packet one-way delay: 10.927 ms  
Loss rate: 0.15%  
-- Flow 2:  
Average throughput: 12.24 Mbit/s  
95th percentile per-packet one-way delay: 11.041 ms  
Loss rate: 0.34%  
-- Flow 3:  
Average throughput: 10.15 Mbit/s  
95th percentile per-packet one-way delay: 11.230 ms  
Loss rate: 0.71%



## Run 6: Report of LEDBAT — Data Link

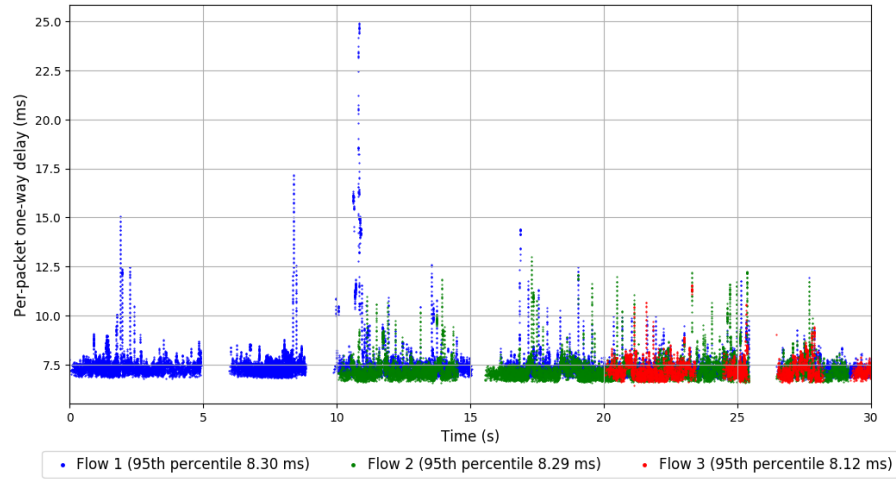
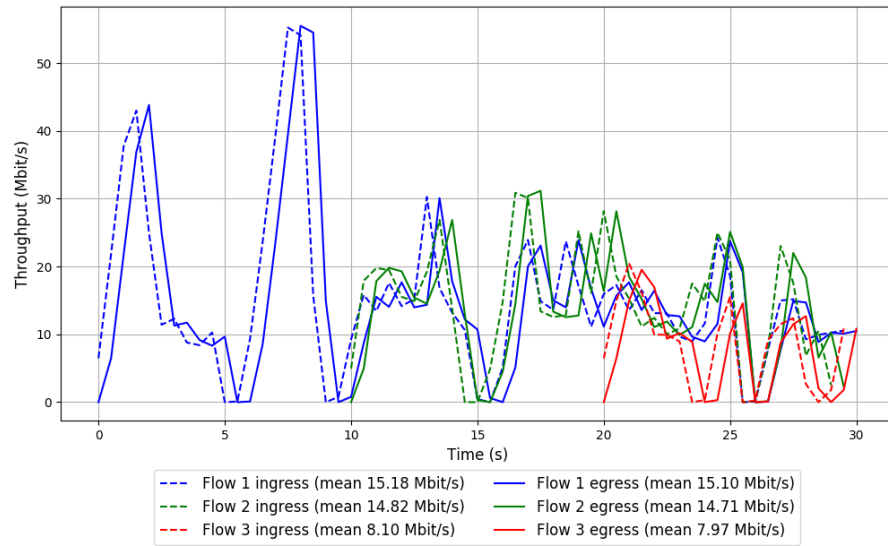


Run 7: Statistics of LEDBAT

Start at: 2018-06-05 13:28:35  
End at: 2018-06-05 13:29:05  
Local clock offset: 1.297 ms  
Remote clock offset: -2.316 ms

# Below is generated by plot.py at 2018-06-05 14:43:43  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 27.12 Mbit/s  
95th percentile per-packet one-way delay: 8.277 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 15.10 Mbit/s  
95th percentile per-packet one-way delay: 8.299 ms  
Loss rate: 0.57%  
-- Flow 2:  
Average throughput: 14.71 Mbit/s  
95th percentile per-packet one-way delay: 8.290 ms  
Loss rate: 0.73%  
-- Flow 3:  
Average throughput: 7.97 Mbit/s  
95th percentile per-packet one-way delay: 8.122 ms  
Loss rate: 1.57%

# Run 7: Report of LEDBAT — Data Link

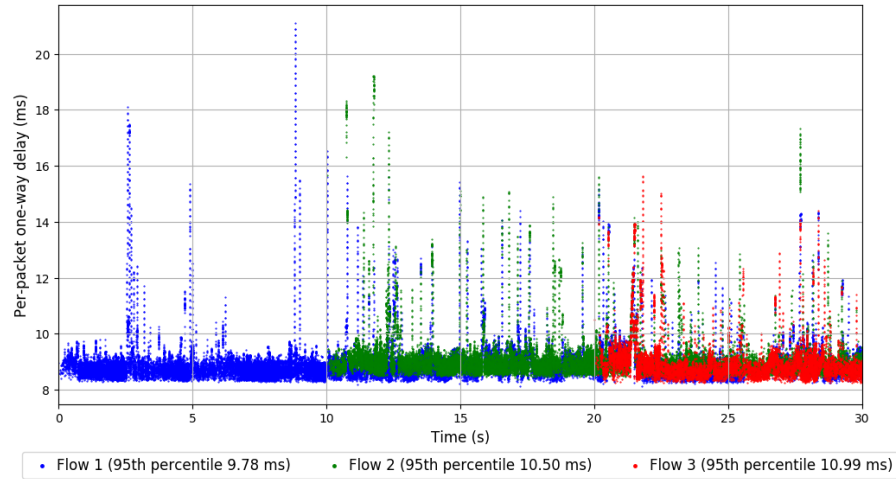
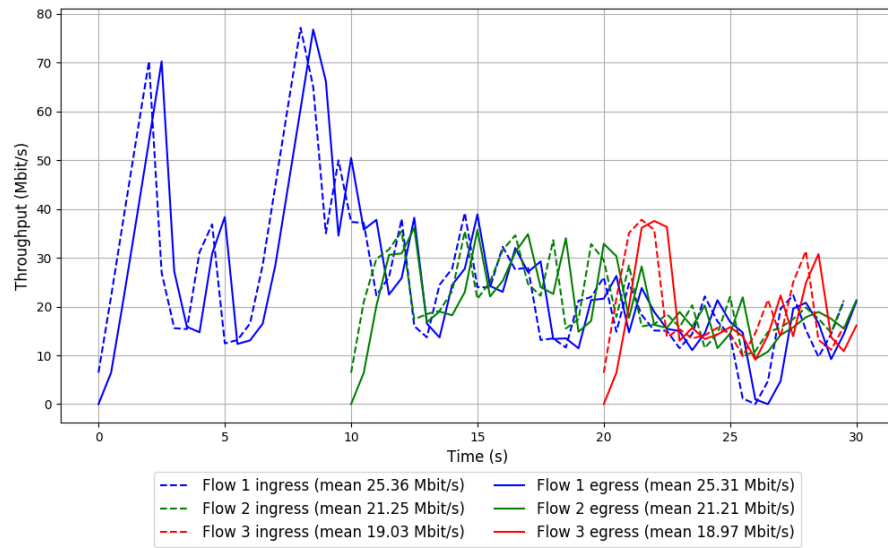


Run 8: Statistics of LEDBAT

Start at: 2018-06-05 13:47:27  
End at: 2018-06-05 13:47:57  
Local clock offset: -4.847 ms  
Remote clock offset: -3.743 ms

# Below is generated by plot.py at 2018-06-05 14:43:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 45.75 Mbit/s  
95th percentile per-packet one-way delay: 10.164 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 25.31 Mbit/s  
95th percentile per-packet one-way delay: 9.781 ms  
Loss rate: 0.18%  
-- Flow 2:  
Average throughput: 21.21 Mbit/s  
95th percentile per-packet one-way delay: 10.501 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 18.97 Mbit/s  
95th percentile per-packet one-way delay: 10.988 ms  
Loss rate: 0.36%

# Run 8: Report of LEDBAT — Data Link

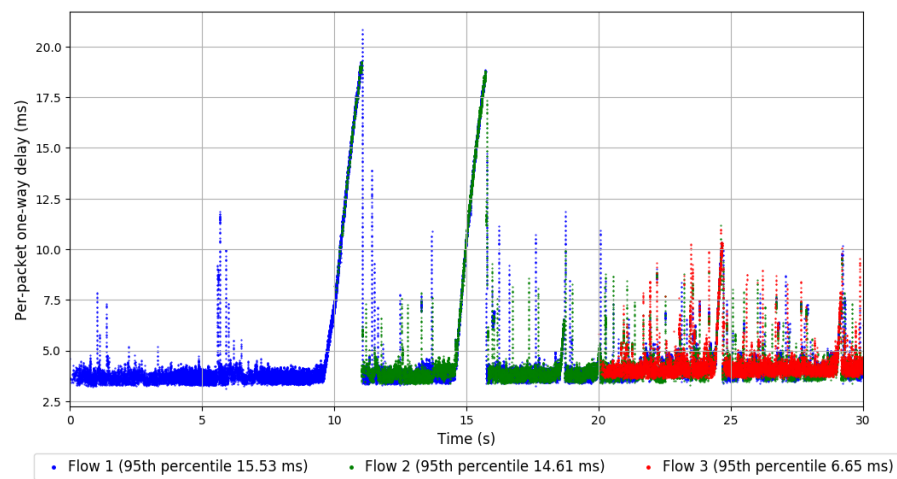
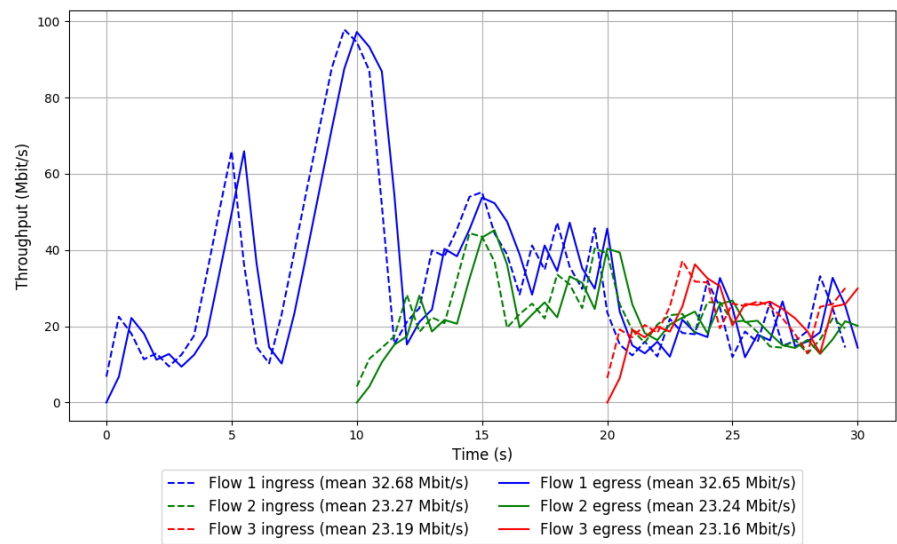


Run 9: Statistics of LEDBAT

Start at: 2018-06-05 14:06:18  
End at: 2018-06-05 14:06:48  
Local clock offset: 0.026 ms  
Remote clock offset: -16.614 ms

# Below is generated by plot.py at 2018-06-05 14:44:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 55.82 Mbit/s  
95th percentile per-packet one-way delay: 14.579 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 32.65 Mbit/s  
95th percentile per-packet one-way delay: 15.526 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 23.24 Mbit/s  
95th percentile per-packet one-way delay: 14.613 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 23.16 Mbit/s  
95th percentile per-packet one-way delay: 6.647 ms  
Loss rate: 0.13%

Run 9: Report of LEDBAT — Data Link



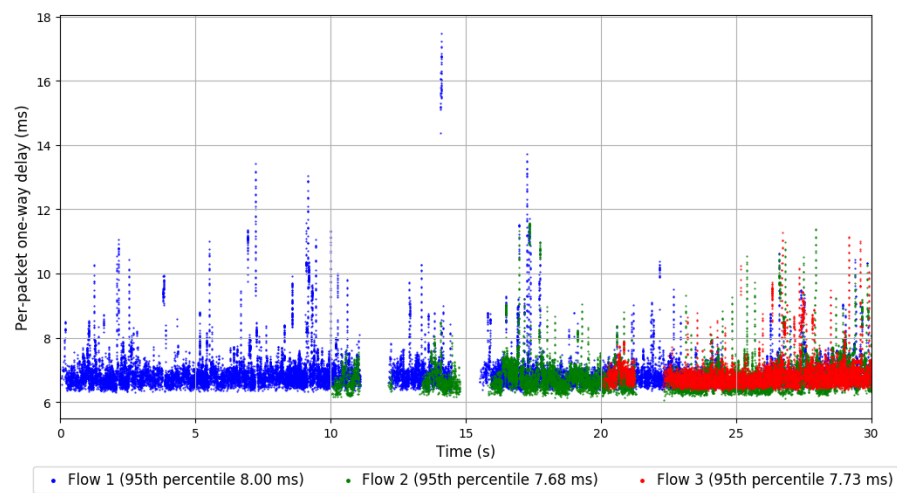
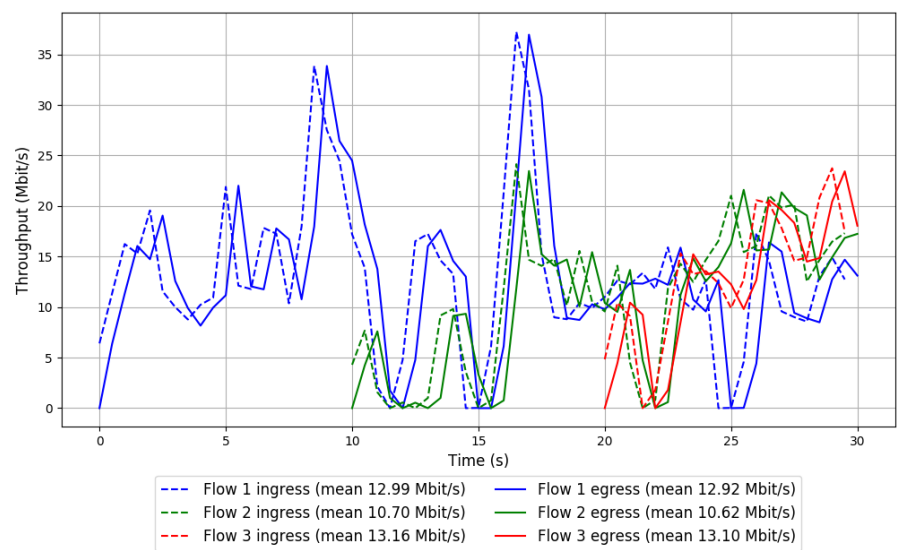
Run 10: Statistics of LEDBAT

Start at: 2018-06-05 14:24:58  
End at: 2018-06-05 14:25:28  
Local clock offset: -1.413 ms  
Remote clock offset: -20.616 ms

# Below is generated by plot.py at 2018-06-05 14:44:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 24.34 Mbit/s  
95th percentile per-packet one-way delay: 7.862 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 12.92 Mbit/s  
95th percentile per-packet one-way delay: 7.997 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 10.62 Mbit/s  
95th percentile per-packet one-way delay: 7.680 ms  
Loss rate: 0.70%  
-- Flow 3:  
Average throughput: 13.10 Mbit/s  
95th percentile per-packet one-way delay: 7.732 ms  
Loss rate: 0.42%



Run 10: Report of LEDBAT — Data Link

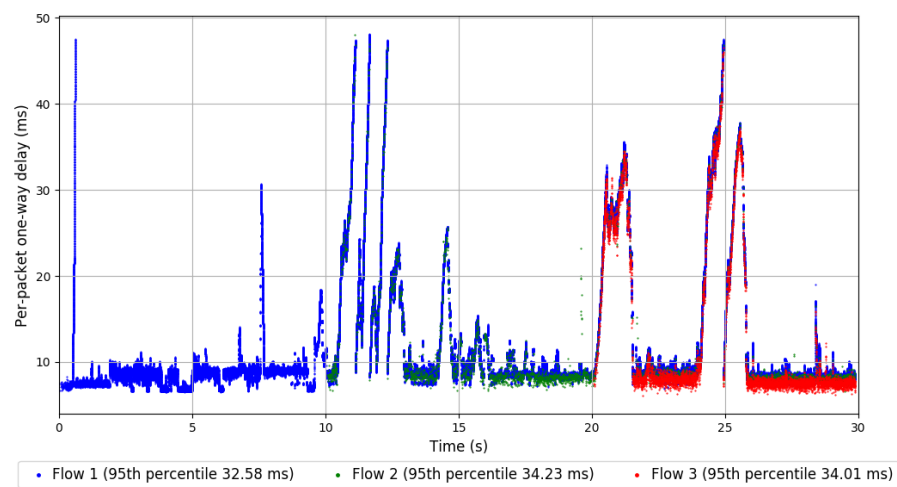
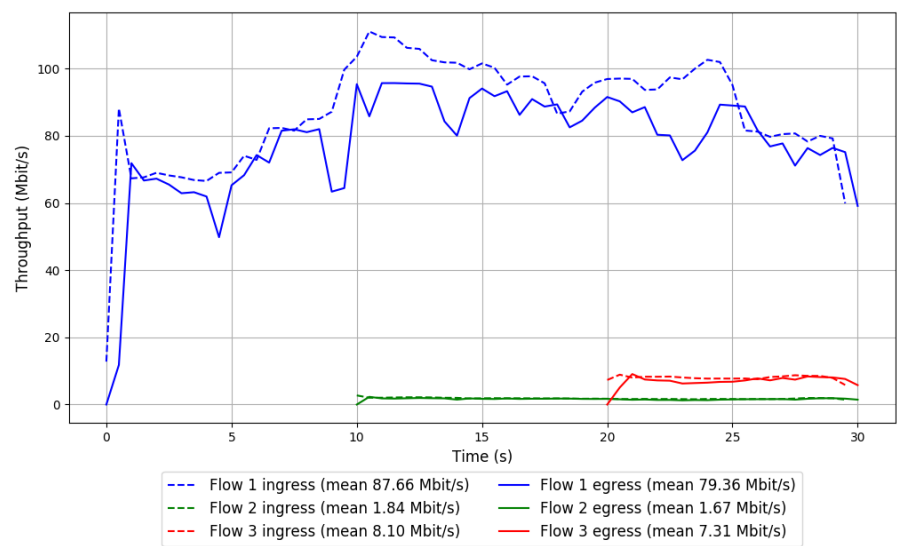


Run 1: Statistics of PCC-Allegro

Start at: 2018-06-05 11:31:08  
End at: 2018-06-05 11:31:38  
Local clock offset: 2.453 ms  
Remote clock offset: -14.289 ms

# Below is generated by plot.py at 2018-06-05 14:44:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 82.88 Mbit/s  
95th percentile per-packet one-way delay: 32.671 ms  
Loss rate: 9.48%  
-- Flow 1:  
Average throughput: 79.36 Mbit/s  
95th percentile per-packet one-way delay: 32.582 ms  
Loss rate: 9.47%  
-- Flow 2:  
Average throughput: 1.67 Mbit/s  
95th percentile per-packet one-way delay: 34.234 ms  
Loss rate: 9.63%  
-- Flow 3:  
Average throughput: 7.31 Mbit/s  
95th percentile per-packet one-way delay: 34.005 ms  
Loss rate: 9.73%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-06-05 11:50:31

End at: 2018-06-05 11:51:01

Local clock offset: 0.078 ms

Remote clock offset: -8.48 ms

# Below is generated by plot.py at 2018-06-05 14:44:39

# Datalink statistics

-- Total of 3 flows:

Average throughput: 80.75 Mbit/s

95th percentile per-packet one-way delay: 11.037 ms

Loss rate: 5.70%

-- Flow 1:

Average throughput: 75.34 Mbit/s

95th percentile per-packet one-way delay: 10.958 ms

Loss rate: 5.71%

-- Flow 2:

Average throughput: 4.36 Mbit/s

95th percentile per-packet one-way delay: 11.021 ms

Loss rate: 5.12%

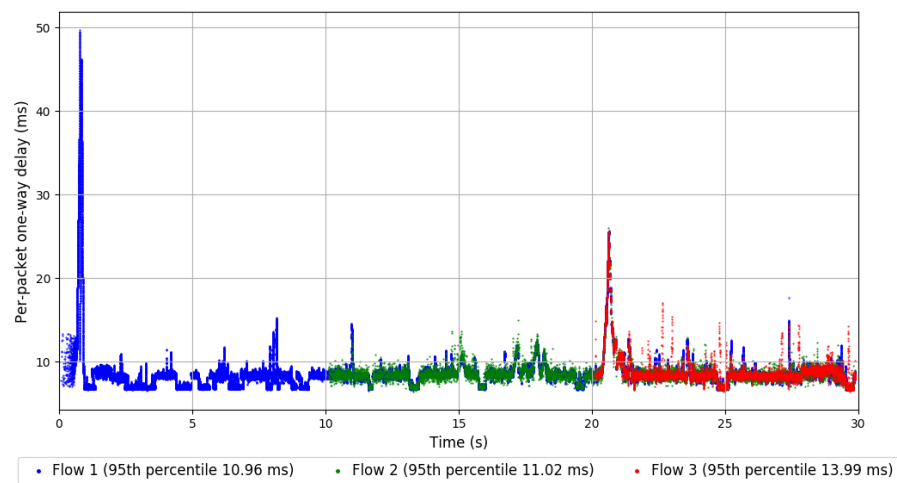
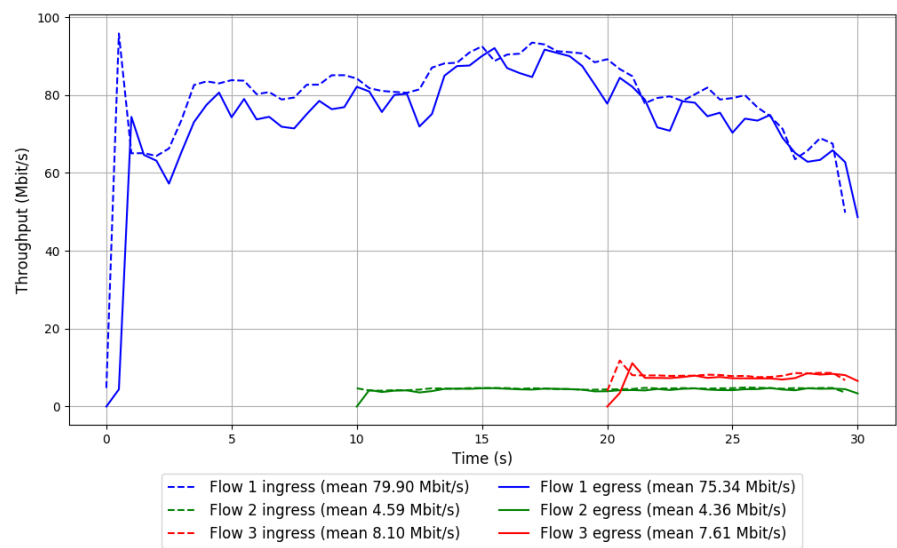
-- Flow 3:

Average throughput: 7.61 Mbit/s

95th percentile per-packet one-way delay: 13.990 ms

Loss rate: 6.07%

Run 2: Report of PCC-Allegro — Data Link

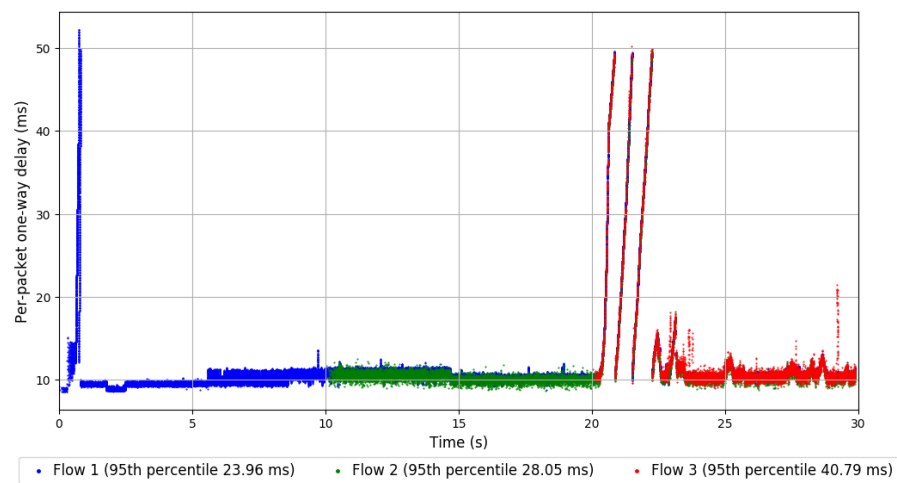
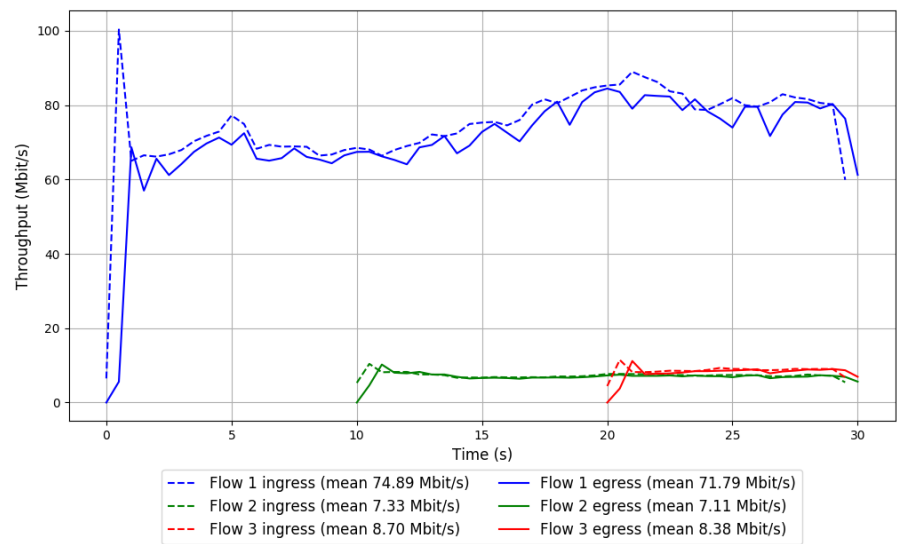


Run 3: Statistics of PCC-Allegro

Start at: 2018-06-05 12:09:15  
End at: 2018-06-05 12:09:45  
Local clock offset: -1.575 ms  
Remote clock offset: -6.287 ms

# Below is generated by plot.py at 2018-06-05 14:44:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.28 Mbit/s  
95th percentile per-packet one-way delay: 25.766 ms  
Loss rate: 4.06%  
-- Flow 1:  
Average throughput: 71.79 Mbit/s  
95th percentile per-packet one-way delay: 23.962 ms  
Loss rate: 4.14%  
-- Flow 2:  
Average throughput: 7.11 Mbit/s  
95th percentile per-packet one-way delay: 28.045 ms  
Loss rate: 3.05%  
-- Flow 3:  
Average throughput: 8.38 Mbit/s  
95th percentile per-packet one-way delay: 40.792 ms  
Loss rate: 3.67%

Run 3: Report of PCC-Allegro — Data Link



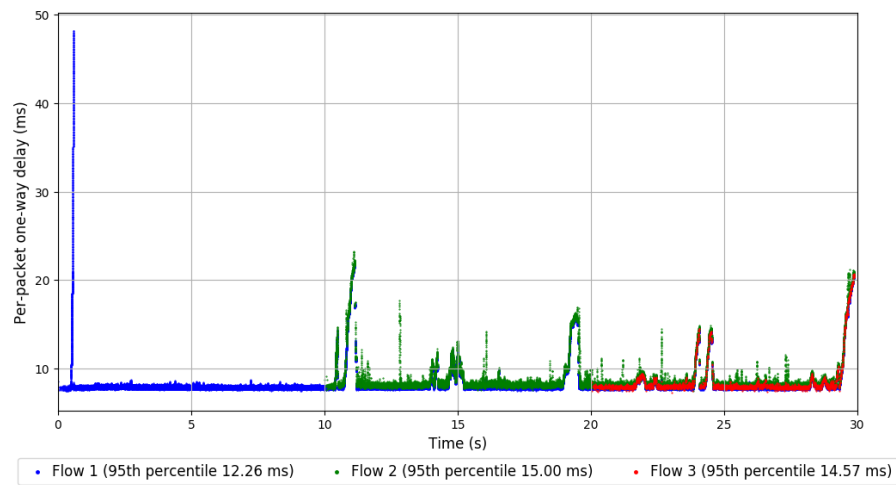
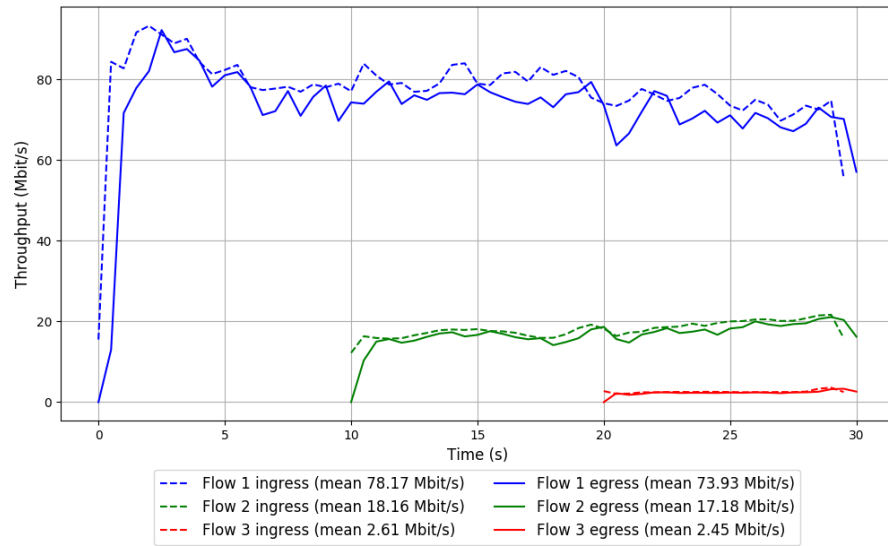
Run 4: Statistics of PCC-Allegro

Start at: 2018-06-05 12:28:28  
End at: 2018-06-05 12:28:58  
Local clock offset: -0.976 ms  
Remote clock offset: -3.415 ms

# Below is generated by plot.py at 2018-06-05 14:44:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.16 Mbit/s  
95th percentile per-packet one-way delay: 13.008 ms  
Loss rate: 5.39%  
-- Flow 1:  
Average throughput: 73.93 Mbit/s  
95th percentile per-packet one-way delay: 12.257 ms  
Loss rate: 5.39%  
-- Flow 2:  
Average throughput: 17.18 Mbit/s  
95th percentile per-packet one-way delay: 14.996 ms  
Loss rate: 5.35%  
-- Flow 3:  
Average throughput: 2.45 Mbit/s  
95th percentile per-packet one-way delay: 14.573 ms  
Loss rate: 5.92%



#### Run 4: Report of PCC-Allegro — Data Link

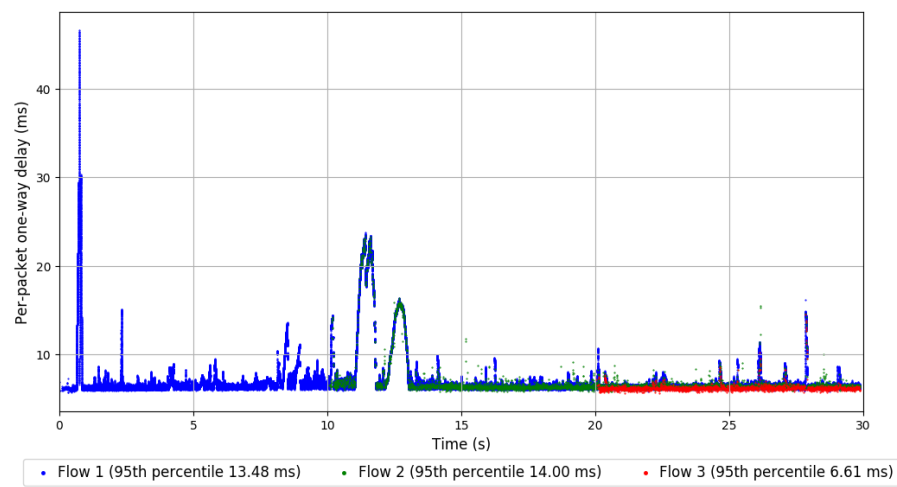
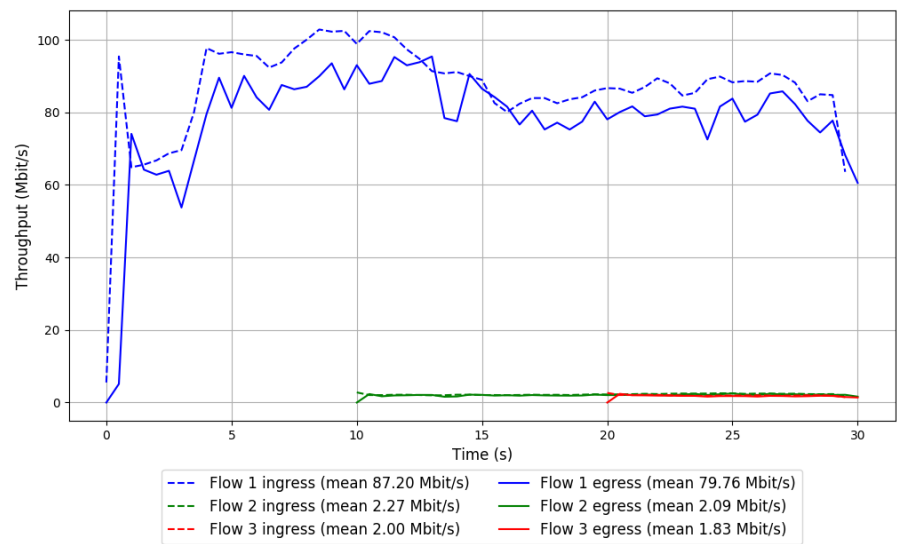


Run 5: Statistics of PCC-Allegro

Start at: 2018-06-05 12:47:05  
End at: 2018-06-05 12:47:35  
Local clock offset: 1.881 ms  
Remote clock offset: -3.771 ms

# Below is generated by plot.py at 2018-06-05 14:44:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 81.76 Mbit/s  
95th percentile per-packet one-way delay: 13.429 ms  
Loss rate: 8.52%  
-- Flow 1:  
Average throughput: 79.76 Mbit/s  
95th percentile per-packet one-way delay: 13.480 ms  
Loss rate: 8.53%  
-- Flow 2:  
Average throughput: 2.09 Mbit/s  
95th percentile per-packet one-way delay: 13.998 ms  
Loss rate: 8.01%  
-- Flow 3:  
Average throughput: 1.83 Mbit/s  
95th percentile per-packet one-way delay: 6.612 ms  
Loss rate: 8.47%

Run 5: Report of PCC-Allegro — Data Link

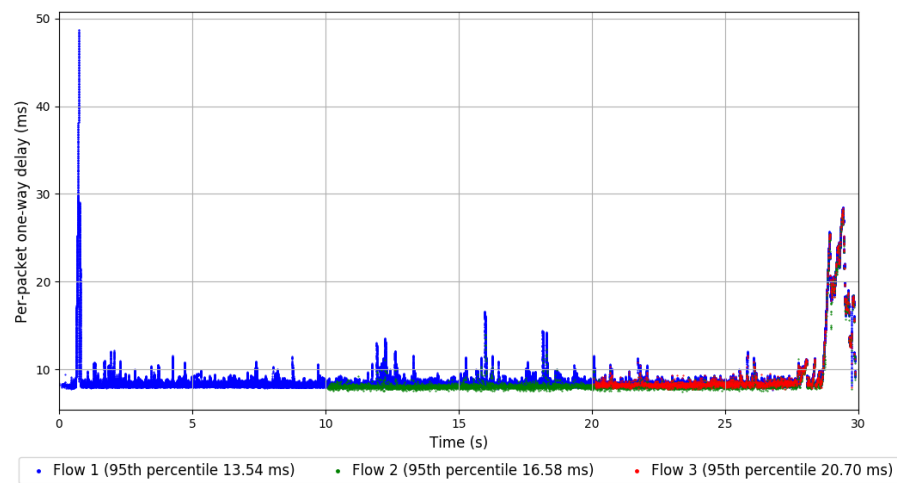
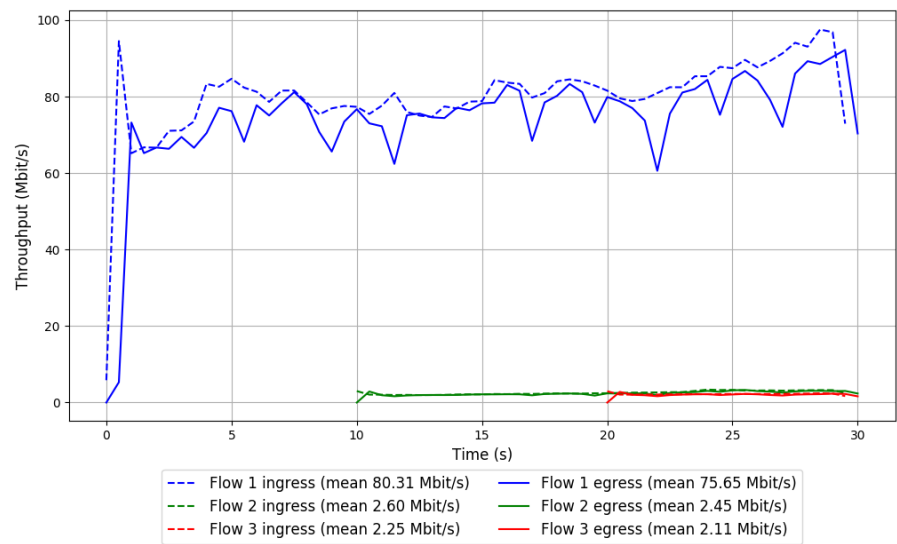


Run 6: Statistics of PCC-Allegro

Start at: 2018-06-05 13:05:59  
End at: 2018-06-05 13:06:29  
Local clock offset: 0.68 ms  
Remote clock offset: -3.529 ms

# Below is generated by plot.py at 2018-06-05 14:44:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.98 Mbit/s  
95th percentile per-packet one-way delay: 13.713 ms  
Loss rate: 5.81%  
-- Flow 1:  
Average throughput: 75.65 Mbit/s  
95th percentile per-packet one-way delay: 13.535 ms  
Loss rate: 5.80%  
-- Flow 2:  
Average throughput: 2.45 Mbit/s  
95th percentile per-packet one-way delay: 16.581 ms  
Loss rate: 5.88%  
-- Flow 3:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 20.699 ms  
Loss rate: 6.25%

Run 6: Report of PCC-Allegro — Data Link

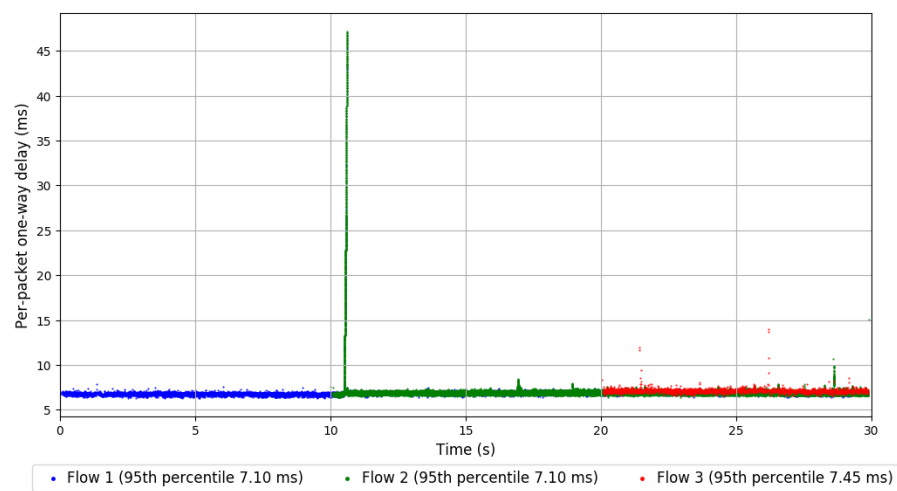
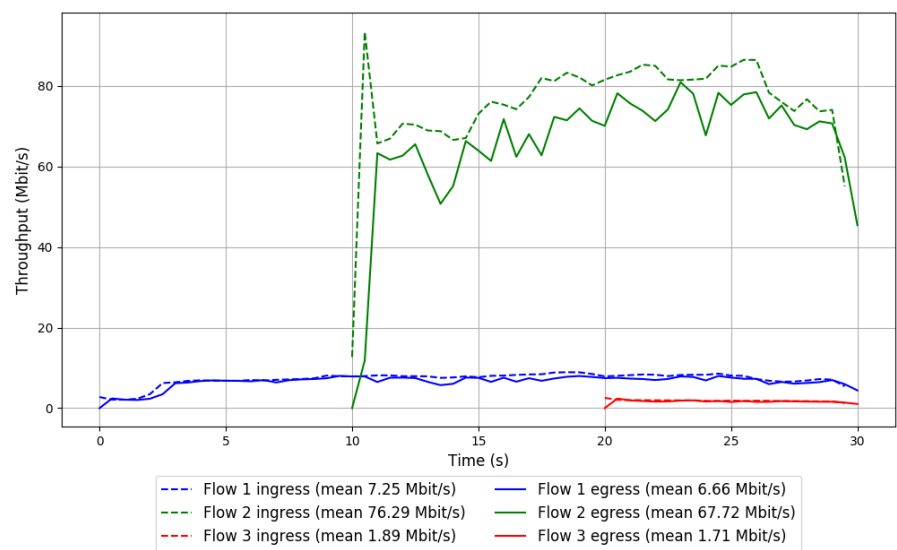


Run 7: Statistics of PCC-Allegro

Start at: 2018-06-05 13:25:00  
End at: 2018-06-05 13:25:30  
Local clock offset: 1.251 ms  
Remote clock offset: -2.641 ms

# Below is generated by plot.py at 2018-06-05 14:44:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 52.25 Mbit/s  
95th percentile per-packet one-way delay: 7.115 ms  
Loss rate: 10.81%  
-- Flow 1:  
Average throughput: 6.66 Mbit/s  
95th percentile per-packet one-way delay: 7.098 ms  
Loss rate: 8.14%  
-- Flow 2:  
Average throughput: 67.72 Mbit/s  
95th percentile per-packet one-way delay: 7.104 ms  
Loss rate: 11.21%  
-- Flow 3:  
Average throughput: 1.71 Mbit/s  
95th percentile per-packet one-way delay: 7.451 ms  
Loss rate: 9.66%

Run 7: Report of PCC-Allegro — Data Link



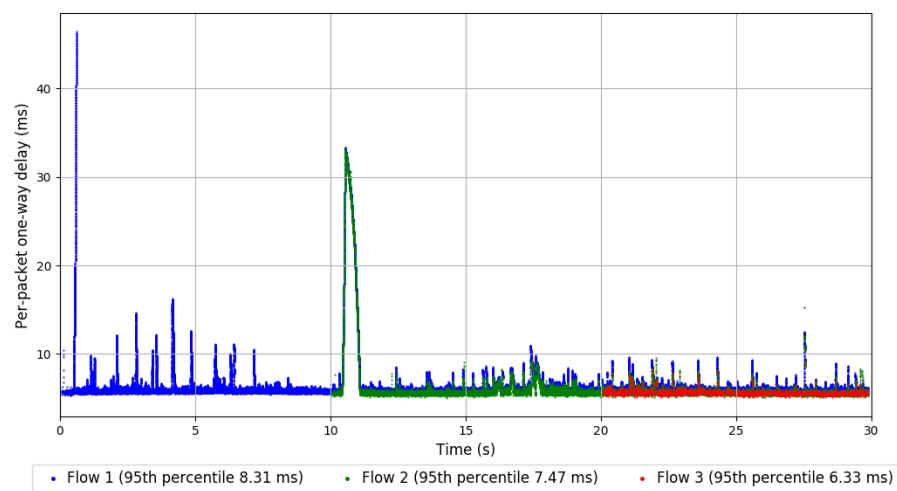
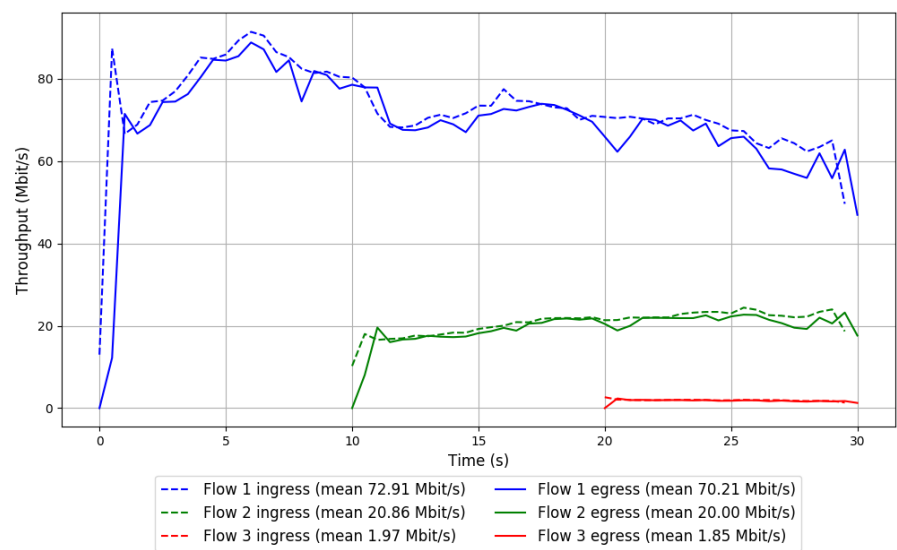
Run 8: Statistics of PCC-Allegro

Start at: 2018-06-05 13:43:53  
End at: 2018-06-05 13:44:23  
Local clock offset: -0.788 ms  
Remote clock offset: -3.234 ms

# Below is generated by plot.py at 2018-06-05 14:45:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.12 Mbit/s  
95th percentile per-packet one-way delay: 8.148 ms  
Loss rate: 3.79%  
-- Flow 1:  
Average throughput: 70.21 Mbit/s  
95th percentile per-packet one-way delay: 8.306 ms  
Loss rate: 3.71%  
-- Flow 2:  
Average throughput: 20.00 Mbit/s  
95th percentile per-packet one-way delay: 7.474 ms  
Loss rate: 4.12%  
-- Flow 3:  
Average throughput: 1.85 Mbit/s  
95th percentile per-packet one-way delay: 6.327 ms  
Loss rate: 5.83%



Run 8: Report of PCC-Allegro — Data Link

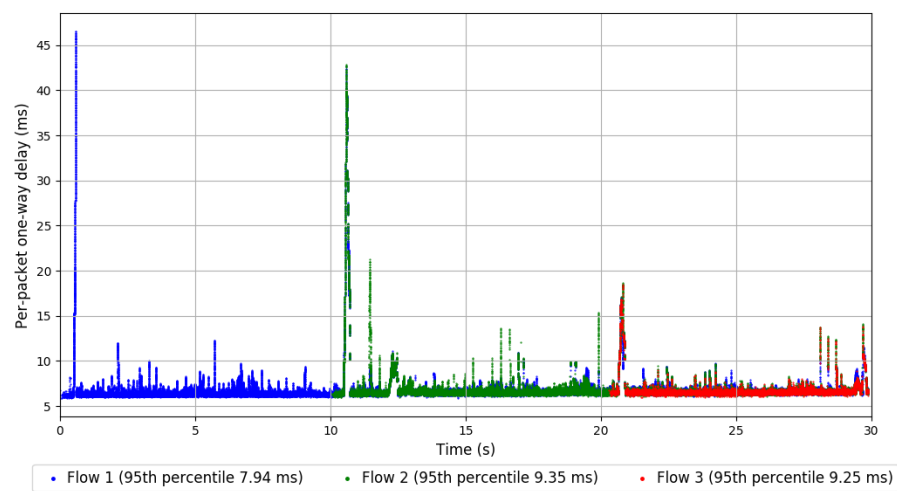
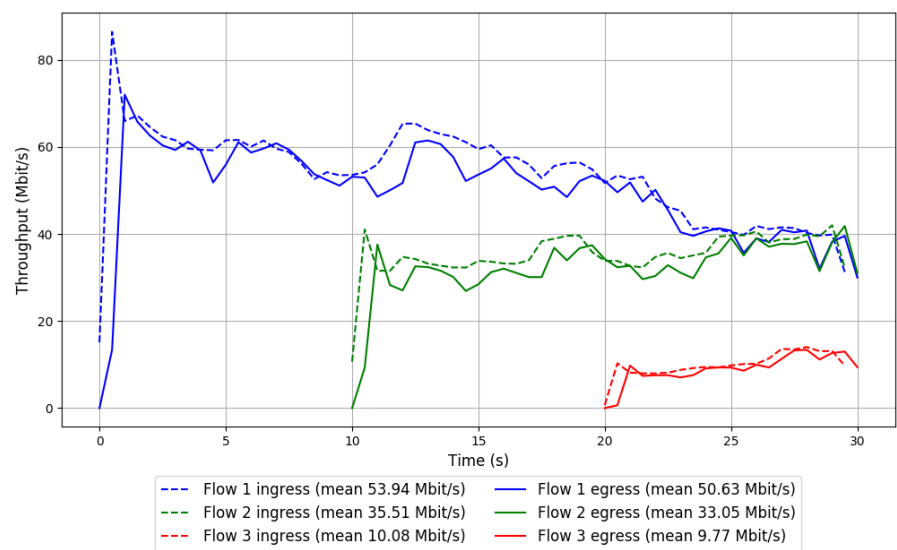


Run 9: Statistics of PCC-Allegro

Start at: 2018-06-05 14:02:46  
End at: 2018-06-05 14:03:16  
Local clock offset: -2.837 ms  
Remote clock offset: -14.95 ms

# Below is generated by plot.py at 2018-06-05 14:45:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.73 Mbit/s  
95th percentile per-packet one-way delay: 8.364 ms  
Loss rate: 6.36%  
-- Flow 1:  
Average throughput: 50.63 Mbit/s  
95th percentile per-packet one-way delay: 7.936 ms  
Loss rate: 6.15%  
-- Flow 2:  
Average throughput: 33.05 Mbit/s  
95th percentile per-packet one-way delay: 9.348 ms  
Loss rate: 6.94%  
-- Flow 3:  
Average throughput: 9.77 Mbit/s  
95th percentile per-packet one-way delay: 9.254 ms  
Loss rate: 5.63%

Run 9: Report of PCC-Allegro — Data Link

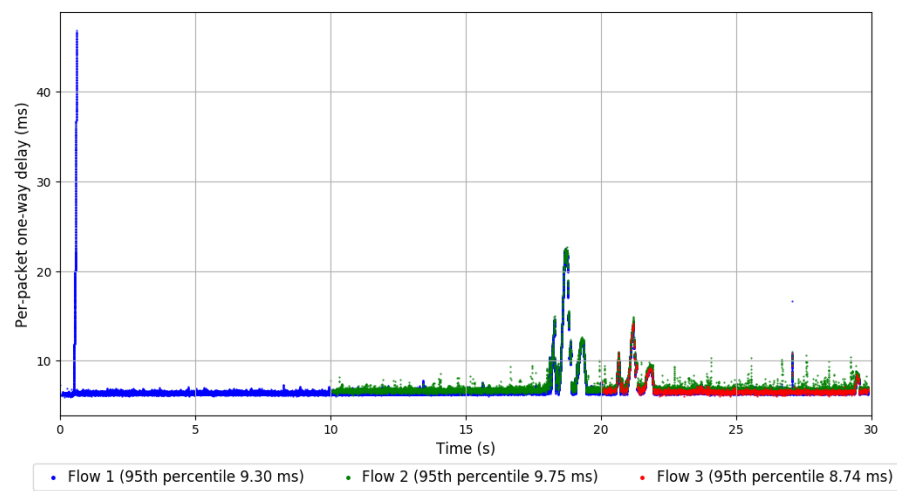
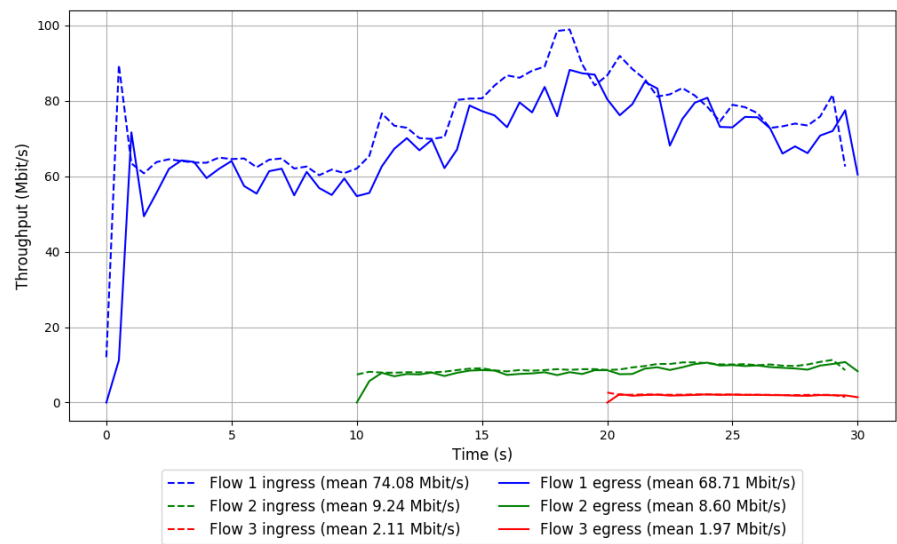


Run 10: Statistics of PCC-Allegro

Start at: 2018-06-05 14:21:23  
End at: 2018-06-05 14:21:53  
Local clock offset: -0.877 ms  
Remote clock offset: -19.473 ms

# Below is generated by plot.py at 2018-06-05 14:45:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.07 Mbit/s  
95th percentile per-packet one-way delay: 9.348 ms  
Loss rate: 7.23%  
-- Flow 1:  
Average throughput: 68.71 Mbit/s  
95th percentile per-packet one-way delay: 9.303 ms  
Loss rate: 7.26%  
-- Flow 2:  
Average throughput: 8.60 Mbit/s  
95th percentile per-packet one-way delay: 9.753 ms  
Loss rate: 7.00%  
-- Flow 3:  
Average throughput: 1.97 Mbit/s  
95th percentile per-packet one-way delay: 8.742 ms  
Loss rate: 6.23%

Run 10: Report of PCC-Allegro — Data Link

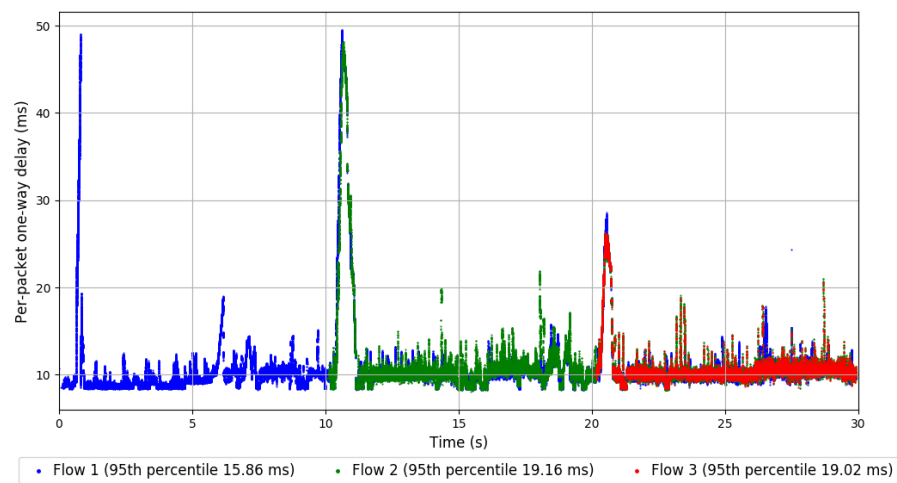
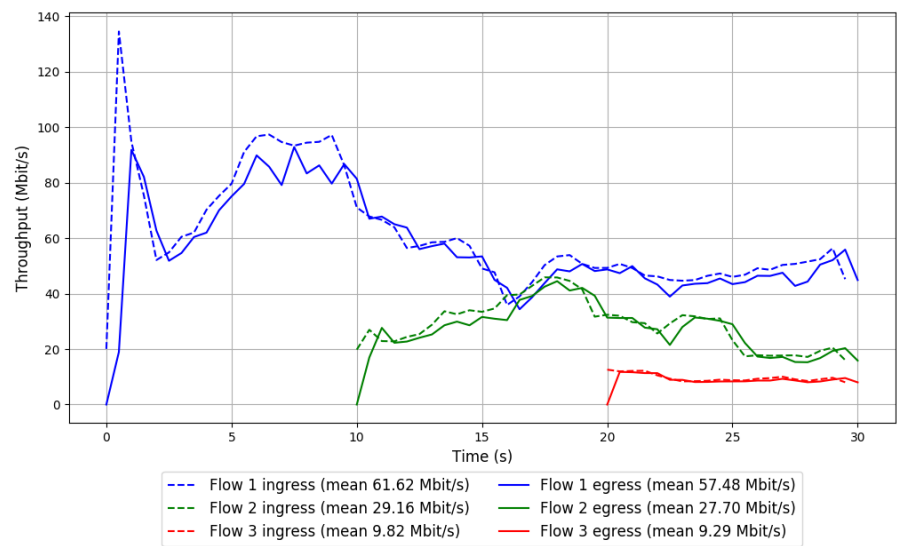


```
Run 1: Statistics of PCC-Expr

Start at: 2018-06-05 11:41:44
End at: 2018-06-05 11:42:14
Local clock offset: -1.801 ms
Remote clock offset: -11.177 ms

# Below is generated by plot.py at 2018-06-05 14:46:24
# Datalink statistics
-- Total of 3 flows:
Average throughput: 78.98 Mbit/s
95th percentile per-packet one-way delay: 16.849 ms
Loss rate: 6.28%
-- Flow 1:
Average throughput: 57.48 Mbit/s
95th percentile per-packet one-way delay: 15.856 ms
Loss rate: 6.72%
-- Flow 2:
Average throughput: 27.70 Mbit/s
95th percentile per-packet one-way delay: 19.162 ms
Loss rate: 5.03%
-- Flow 3:
Average throughput: 9.29 Mbit/s
95th percentile per-packet one-way delay: 19.016 ms
Loss rate: 5.33%
```

Run 1: Report of PCC-Expr — Data Link



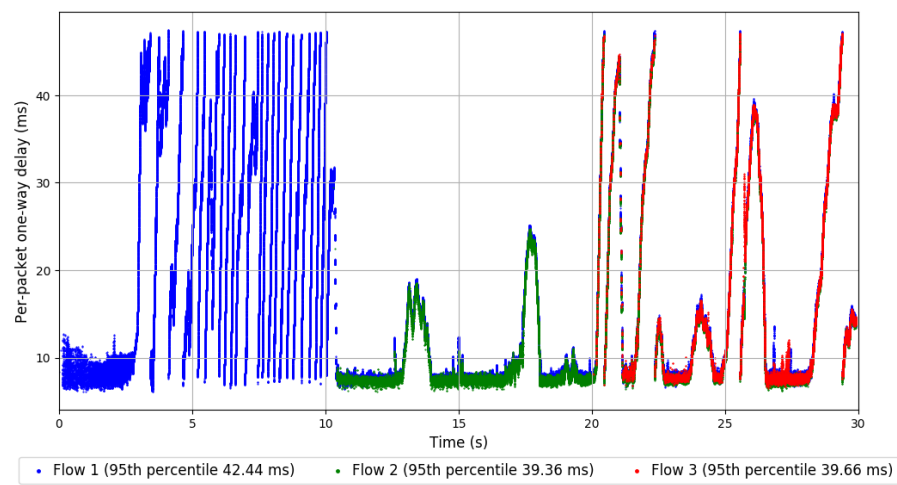
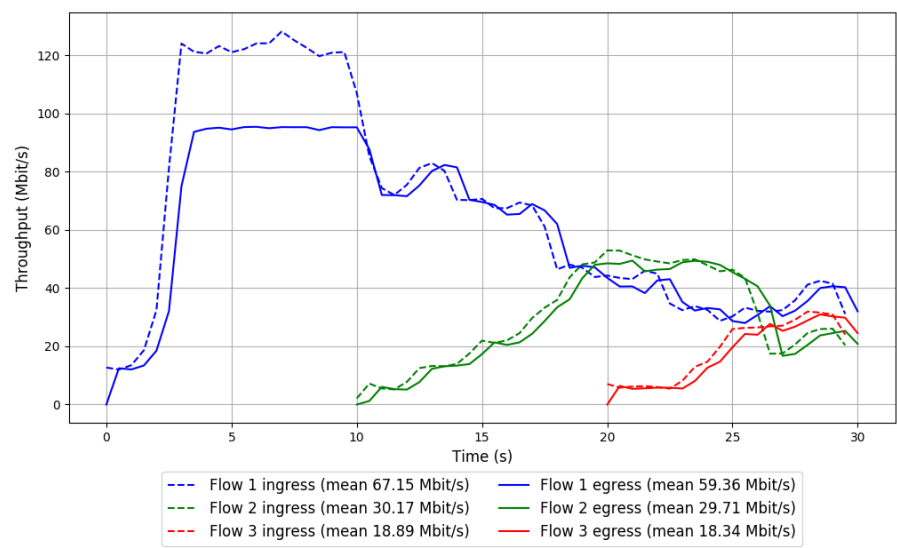
Run 2: Statistics of PCC-Expr

Start at: 2018-06-05 12:00:58  
End at: 2018-06-05 12:01:28  
Local clock offset: -0.706 ms  
Remote clock offset: -8.702 ms

# Below is generated by plot.py at 2018-06-05 14:46:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.90 Mbit/s  
95th percentile per-packet one-way delay: 41.931 ms  
Loss rate: 9.13%  
-- Flow 1:  
Average throughput: 59.36 Mbit/s  
95th percentile per-packet one-way delay: 42.441 ms  
Loss rate: 11.59%  
-- Flow 2:  
Average throughput: 29.71 Mbit/s  
95th percentile per-packet one-way delay: 39.358 ms  
Loss rate: 2.86%  
-- Flow 3:  
Average throughput: 18.34 Mbit/s  
95th percentile per-packet one-way delay: 39.661 ms  
Loss rate: 2.89%



Run 2: Report of PCC-Expr — Data Link

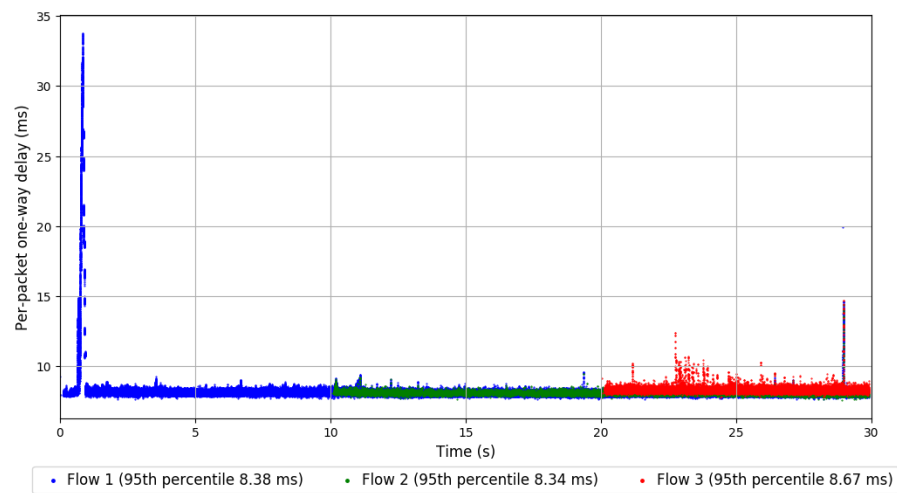
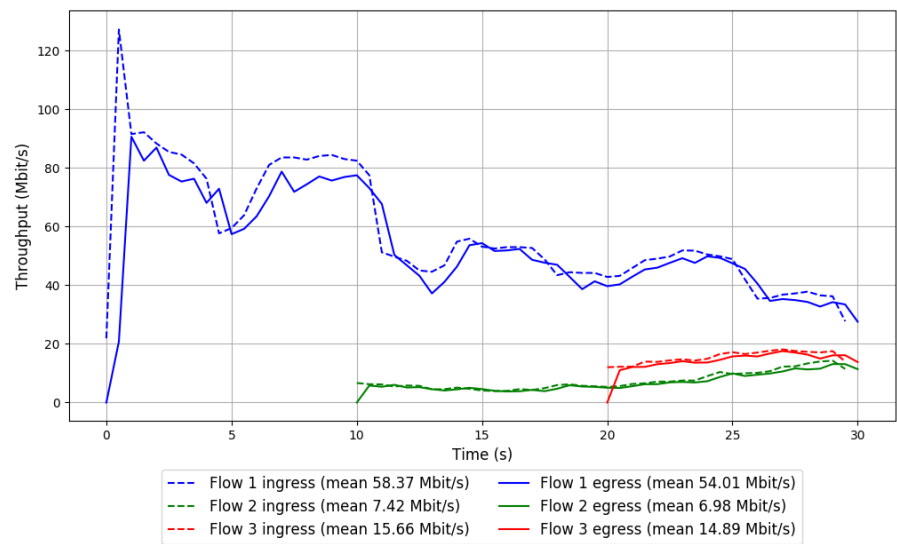


Run 3: Statistics of PCC-Expr

Start at: 2018-06-05 12:19:52  
End at: 2018-06-05 12:20:22  
Local clock offset: -1.336 ms  
Remote clock offset: -4.611 ms

# Below is generated by plot.py at 2018-06-05 14:46:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 63.57 Mbit/s  
95th percentile per-packet one-way delay: 8.432 ms  
Loss rate: 7.17%  
-- Flow 1:  
Average throughput: 54.01 Mbit/s  
95th percentile per-packet one-way delay: 8.381 ms  
Loss rate: 7.47%  
-- Flow 2:  
Average throughput: 6.98 Mbit/s  
95th percentile per-packet one-way delay: 8.343 ms  
Loss rate: 5.87%  
-- Flow 3:  
Average throughput: 14.89 Mbit/s  
95th percentile per-packet one-way delay: 8.667 ms  
Loss rate: 4.97%

Run 3: Report of PCC-Expr — Data Link

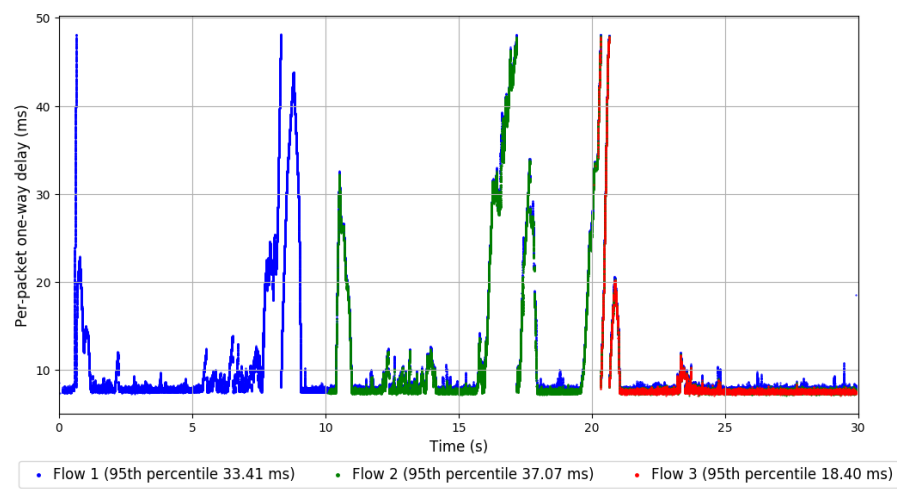
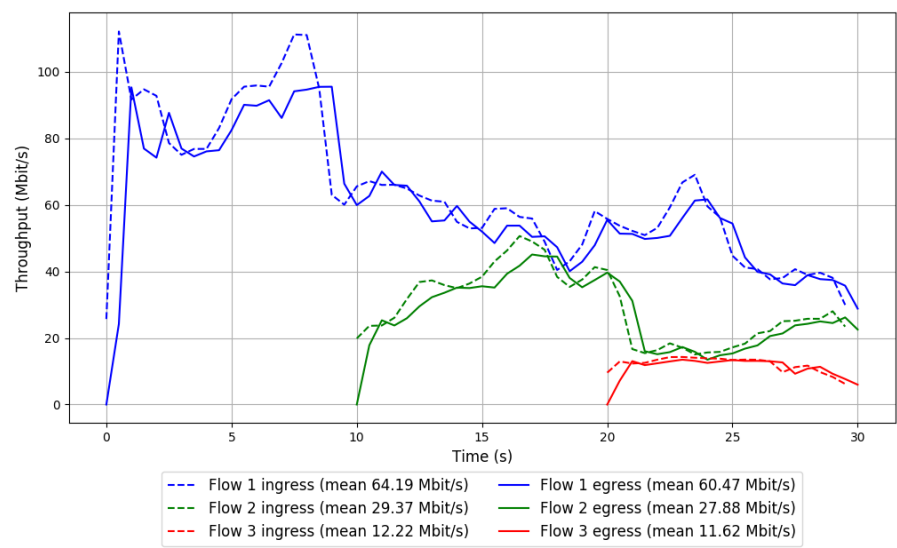


Run 4: Statistics of PCC-Expr

Start at: 2018-06-05 12:38:52  
End at: 2018-06-05 12:39:22  
Local clock offset: -0.346 ms  
Remote clock offset: -3.179 ms

# Below is generated by plot.py at 2018-06-05 14:46:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 82.83 Mbit/s  
95th percentile per-packet one-way delay: 33.710 ms  
Loss rate: 5.58%  
-- Flow 1:  
Average throughput: 60.47 Mbit/s  
95th percentile per-packet one-way delay: 33.414 ms  
Loss rate: 5.76%  
-- Flow 2:  
Average throughput: 27.88 Mbit/s  
95th percentile per-packet one-way delay: 37.066 ms  
Loss rate: 5.08%  
-- Flow 3:  
Average throughput: 11.62 Mbit/s  
95th percentile per-packet one-way delay: 18.398 ms  
Loss rate: 5.11%

Run 4: Report of PCC-Expr — Data Link

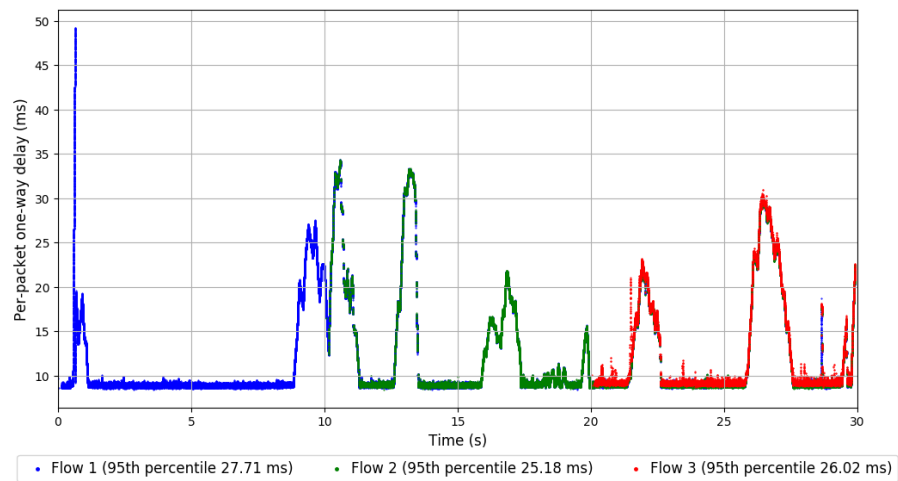
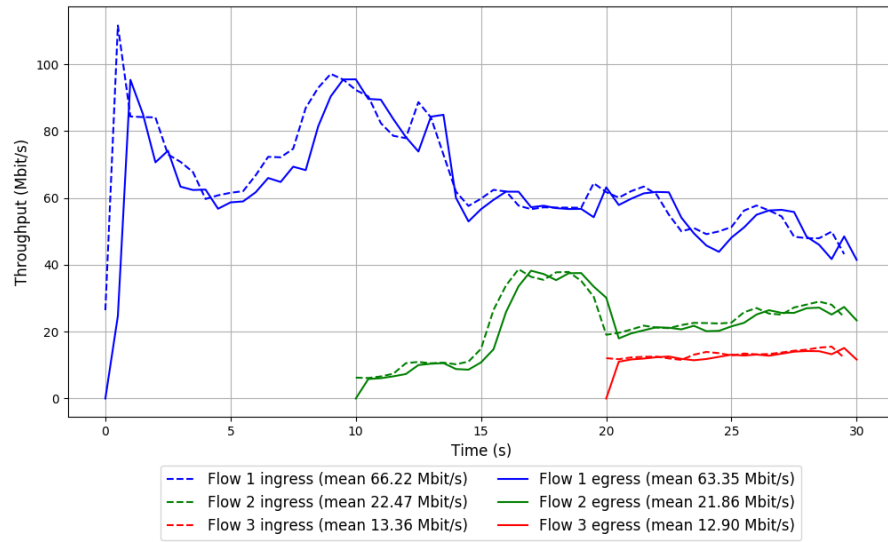


Run 5: Statistics of PCC-Expr

Start at: 2018-06-05 12:57:40  
End at: 2018-06-05 12:58:10  
Local clock offset: 0.78 ms  
Remote clock offset: -2.775 ms

# Below is generated by plot.py at 2018-06-05 14:46:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 82.14 Mbit/s  
95th percentile per-packet one-way delay: 27.270 ms  
Loss rate: 3.97%  
-- Flow 1:  
Average throughput: 63.35 Mbit/s  
95th percentile per-packet one-way delay: 27.715 ms  
Loss rate: 4.30%  
-- Flow 2:  
Average throughput: 21.86 Mbit/s  
95th percentile per-packet one-way delay: 25.178 ms  
Loss rate: 2.71%  
-- Flow 3:  
Average throughput: 12.90 Mbit/s  
95th percentile per-packet one-way delay: 26.016 ms  
Loss rate: 3.37%

# Run 5: Report of PCC-Expr — Data Link



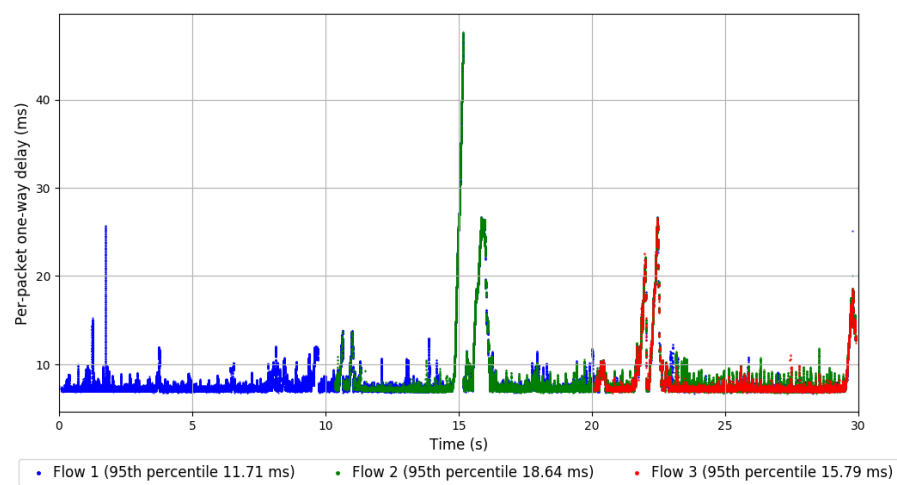
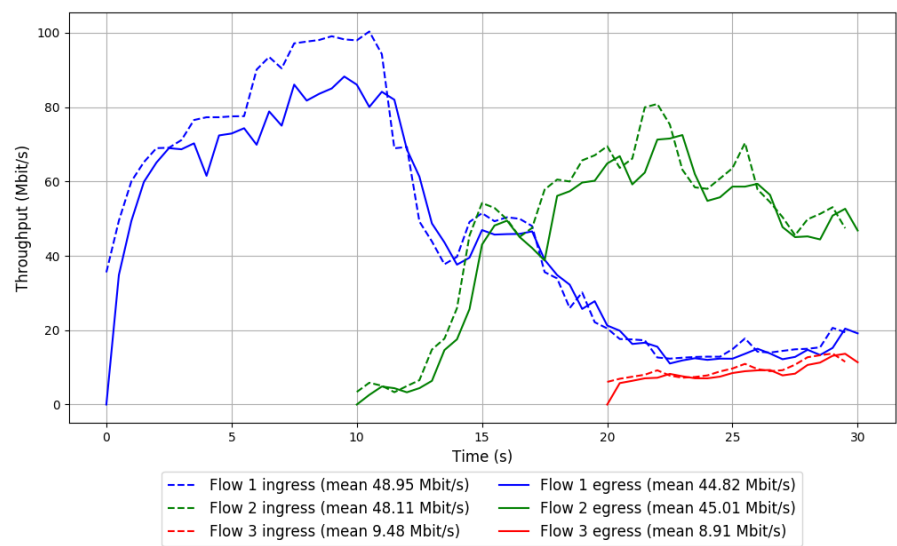
Run 6: Statistics of PCC-Expr

Start at: 2018-06-05 13:16:37  
End at: 2018-06-05 13:17:07  
Local clock offset: 1.839 ms  
Remote clock offset: -2.672 ms

# Below is generated by plot.py at 2018-06-05 14:47:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.71 Mbit/s  
95th percentile per-packet one-way delay: 15.296 ms  
Loss rate: 7.56%  
-- Flow 1:  
Average throughput: 44.82 Mbit/s  
95th percentile per-packet one-way delay: 11.705 ms  
Loss rate: 8.41%  
-- Flow 2:  
Average throughput: 45.01 Mbit/s  
95th percentile per-packet one-way delay: 18.638 ms  
Loss rate: 6.41%  
-- Flow 3:  
Average throughput: 8.91 Mbit/s  
95th percentile per-packet one-way delay: 15.793 ms  
Loss rate: 5.97%



Run 6: Report of PCC-Expr — Data Link

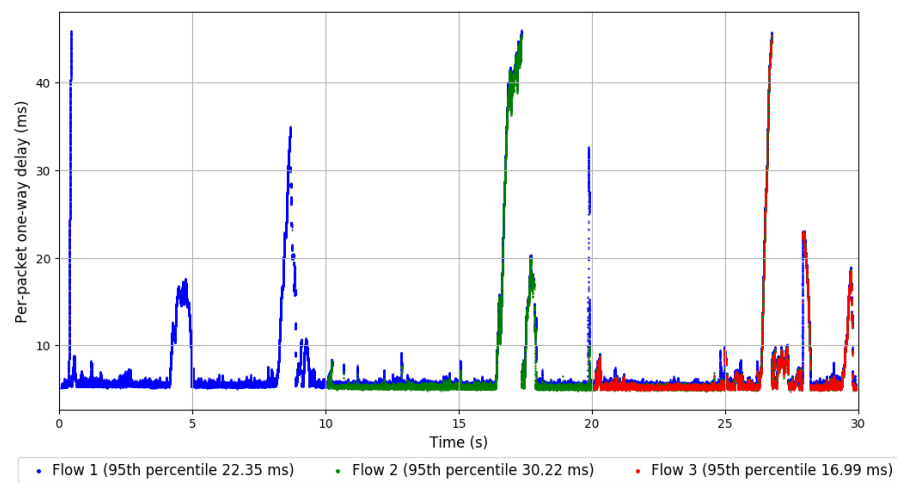
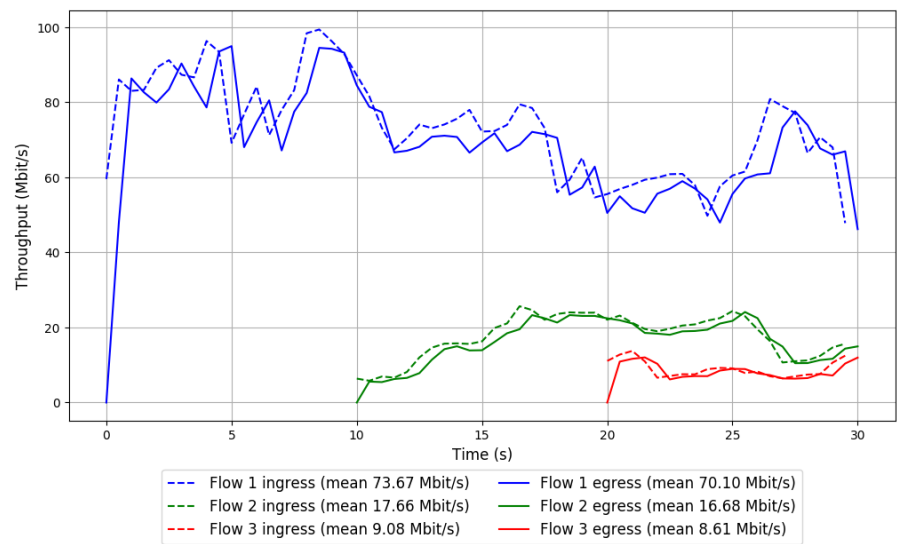


Run 7: Statistics of PCC-Expr

Start at: 2018-06-05 13:35:31  
End at: 2018-06-05 13:36:01  
Local clock offset: 1.038 ms  
Remote clock offset: -3.352 ms

# Below is generated by plot.py at 2018-06-05 14:47:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.04 Mbit/s  
95th percentile per-packet one-way delay: 22.518 ms  
Loss rate: 4.96%  
-- Flow 1:  
Average throughput: 70.10 Mbit/s  
95th percentile per-packet one-way delay: 22.350 ms  
Loss rate: 4.86%  
-- Flow 2:  
Average throughput: 16.68 Mbit/s  
95th percentile per-packet one-way delay: 30.221 ms  
Loss rate: 5.52%  
-- Flow 3:  
Average throughput: 8.61 Mbit/s  
95th percentile per-packet one-way delay: 16.988 ms  
Loss rate: 5.21%

Run 7: Report of PCC-Expr — Data Link

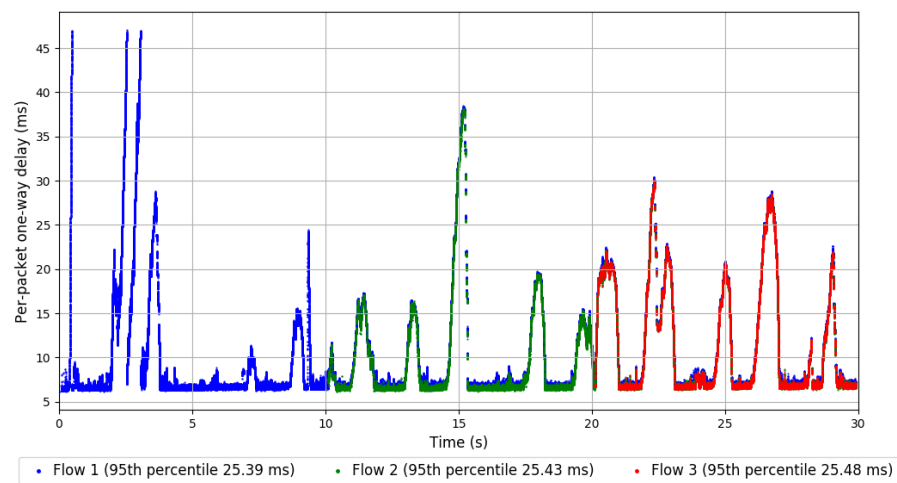
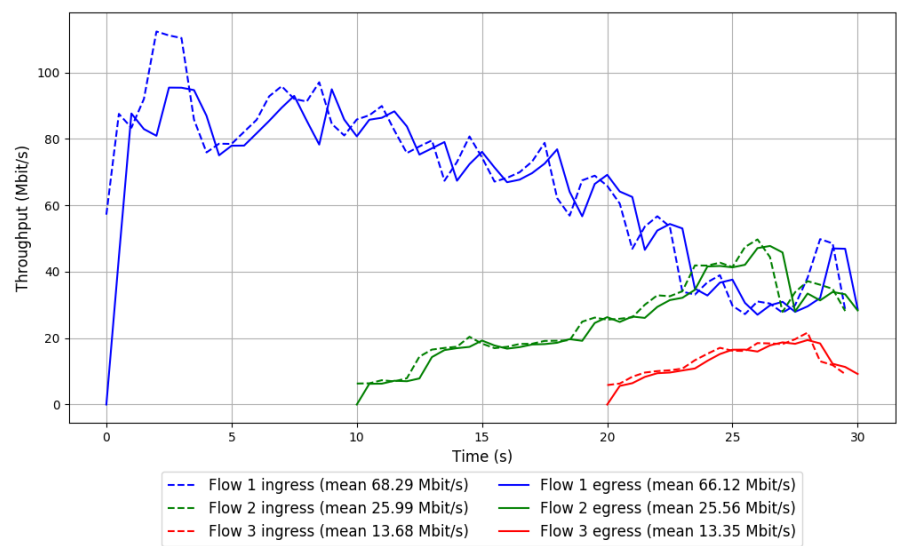


Run 8: Statistics of PCC-Expr

Start at: 2018-06-05 13:54:15  
End at: 2018-06-05 13:54:45  
Local clock offset: -1.698 ms  
Remote clock offset: -7.657 ms

# Below is generated by plot.py at 2018-06-05 14:47:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.52 Mbit/s  
95th percentile per-packet one-way delay: 25.419 ms  
Loss rate: 2.86%  
-- Flow 1:  
Average throughput: 66.12 Mbit/s  
95th percentile per-packet one-way delay: 25.386 ms  
Loss rate: 3.19%  
-- Flow 2:  
Average throughput: 25.56 Mbit/s  
95th percentile per-packet one-way delay: 25.430 ms  
Loss rate: 1.69%  
-- Flow 3:  
Average throughput: 13.35 Mbit/s  
95th percentile per-packet one-way delay: 25.478 ms  
Loss rate: 2.44%

Run 8: Report of PCC-Expr — Data Link

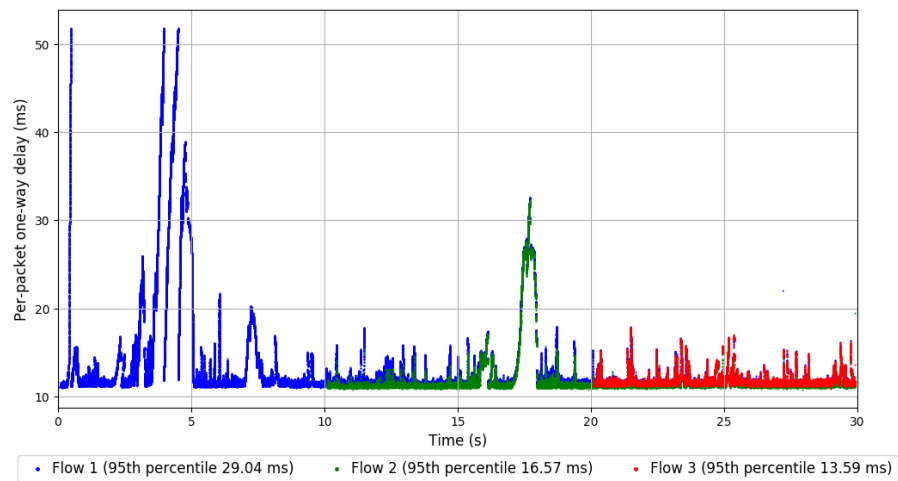
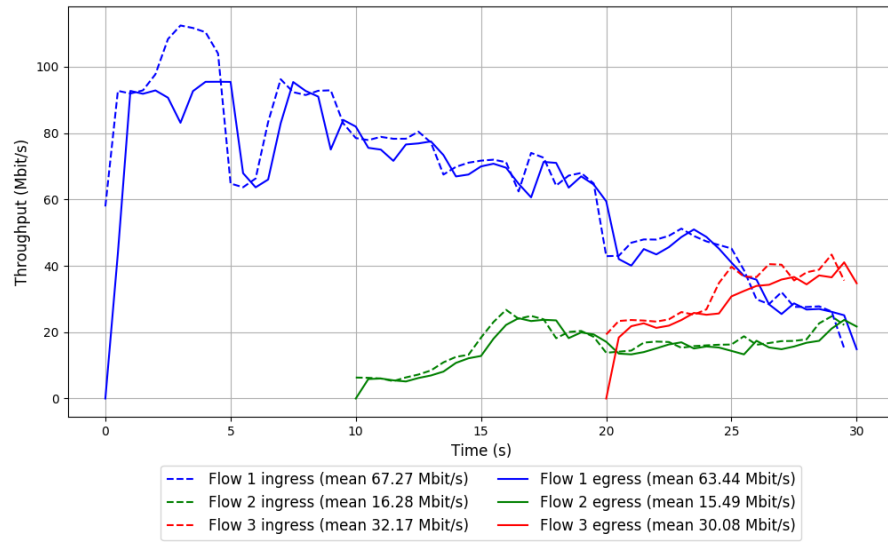


Run 9: Statistics of PCC-Expr

Start at: 2018-06-05 14:13:10  
End at: 2018-06-05 14:13:40  
Local clock offset: -4.876 ms  
Remote clock offset: -16.791 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 83.66 Mbit/s  
95th percentile per-packet one-way delay: 26.546 ms  
Loss rate: 5.68%  
-- Flow 1:  
Average throughput: 63.44 Mbit/s  
95th percentile per-packet one-way delay: 29.036 ms  
Loss rate: 5.70%  
-- Flow 2:  
Average throughput: 15.49 Mbit/s  
95th percentile per-packet one-way delay: 16.568 ms  
Loss rate: 4.85%  
-- Flow 3:  
Average throughput: 30.08 Mbit/s  
95th percentile per-packet one-way delay: 13.587 ms  
Loss rate: 6.46%

# Run 9: Report of PCC-Expr — Data Link



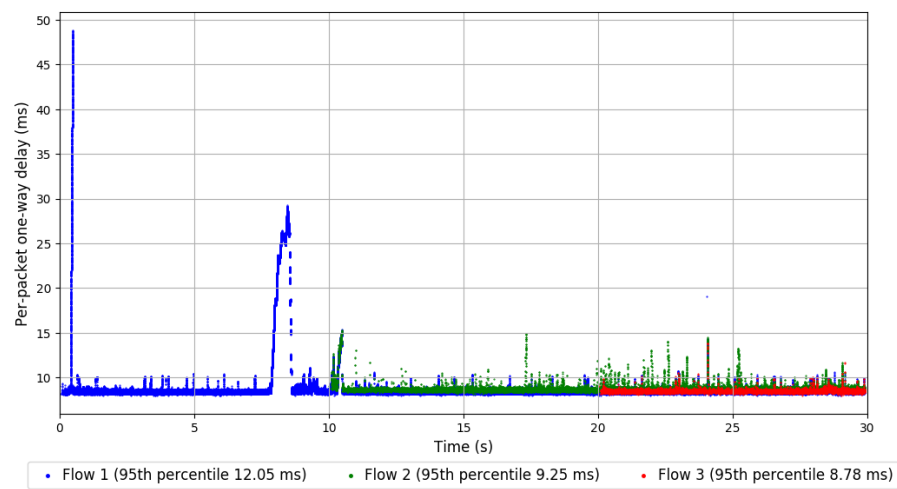
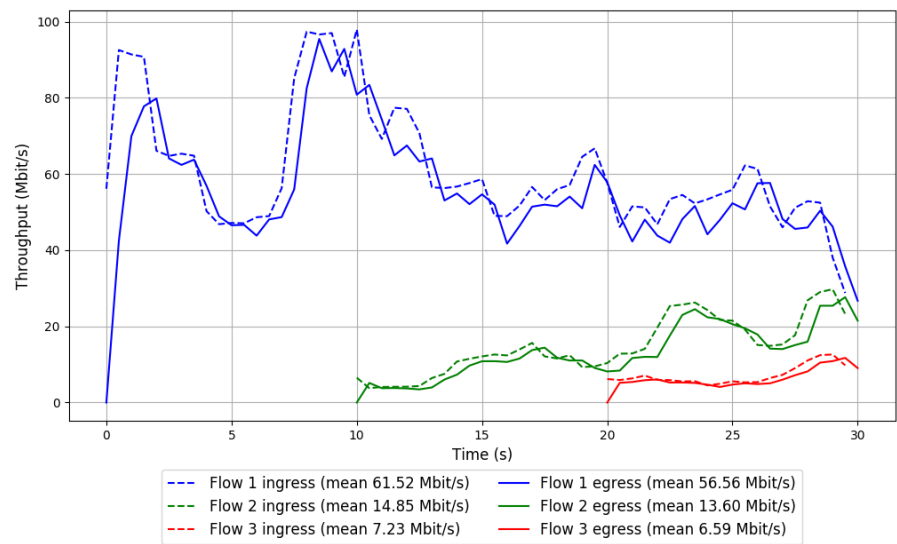
Run 10: Statistics of PCC-Expr

Start at: 2018-06-05 14:31:45  
End at: 2018-06-05 14:32:15  
Local clock offset: -1.702 ms  
Remote clock offset: -19.938 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 67.78 Mbit/s  
95th percentile per-packet one-way delay: 10.196 ms  
Loss rate: 8.14%  
-- Flow 1:  
Average throughput: 56.56 Mbit/s  
95th percentile per-packet one-way delay: 12.053 ms  
Loss rate: 8.07%  
-- Flow 2:  
Average throughput: 13.60 Mbit/s  
95th percentile per-packet one-way delay: 9.249 ms  
Loss rate: 8.42%  
-- Flow 3:  
Average throughput: 6.59 Mbit/s  
95th percentile per-packet one-way delay: 8.782 ms  
Loss rate: 8.85%



Run 10: Report of PCC-Expr — Data Link

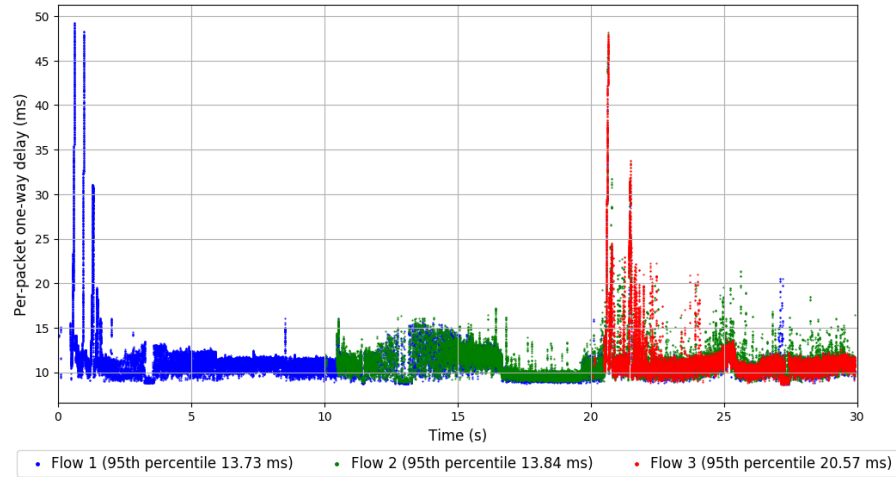
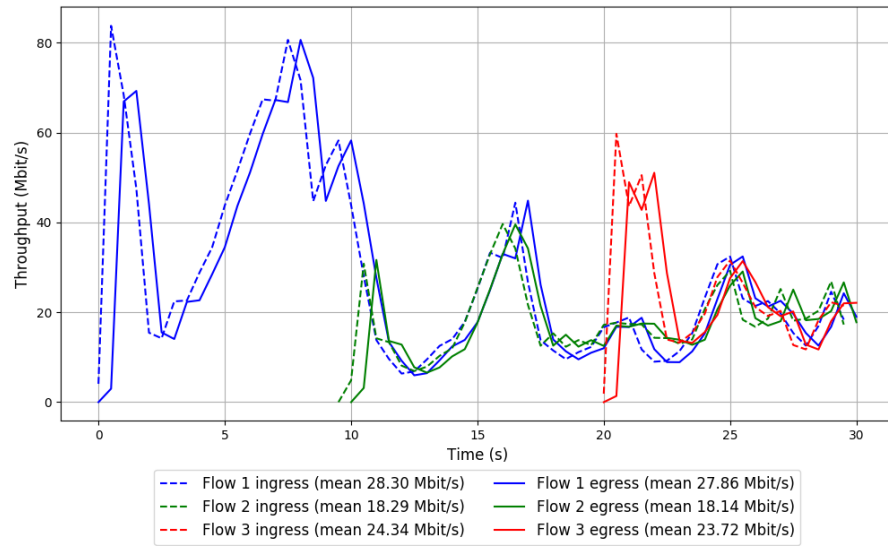


Run 1: Statistics of QUIC Cubic

Start at: 2018-06-05 11:39:09  
End at: 2018-06-05 11:39:39  
Local clock offset: 0.131 ms  
Remote clock offset: -9.774 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 47.75 Mbit/s  
95th percentile per-packet one-way delay: 14.533 ms  
Loss rate: 1.55%  
-- Flow 1:  
Average throughput: 27.86 Mbit/s  
95th percentile per-packet one-way delay: 13.726 ms  
Loss rate: 1.58%  
-- Flow 2:  
Average throughput: 18.14 Mbit/s  
95th percentile per-packet one-way delay: 13.836 ms  
Loss rate: 0.82%  
-- Flow 3:  
Average throughput: 23.72 Mbit/s  
95th percentile per-packet one-way delay: 20.571 ms  
Loss rate: 2.53%

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

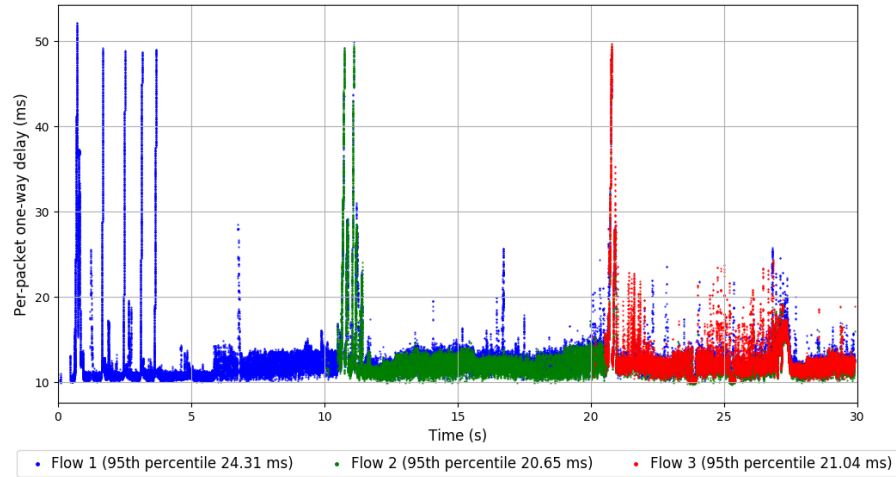
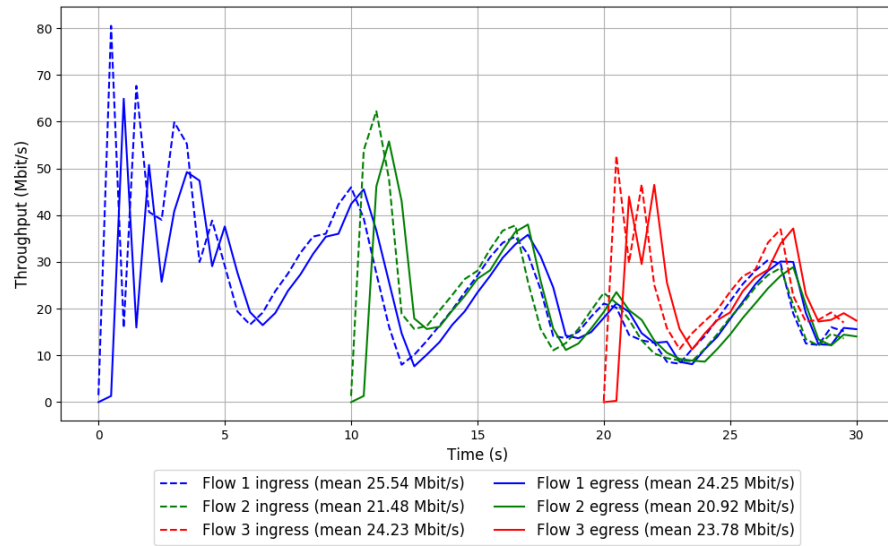


Run 2: Statistics of QUIC Cubic

Start at: 2018-06-05 11:58:33  
End at: 2018-06-05 11:59:03  
Local clock offset: -4.422 ms  
Remote clock offset: -8.653 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 45.99 Mbit/s  
95th percentile per-packet one-way delay: 22.598 ms  
Loss rate: 3.77%  
-- Flow 1:  
Average throughput: 24.25 Mbit/s  
95th percentile per-packet one-way delay: 24.308 ms  
Loss rate: 5.04%  
-- Flow 2:  
Average throughput: 20.92 Mbit/s  
95th percentile per-packet one-way delay: 20.647 ms  
Loss rate: 2.58%  
-- Flow 3:  
Average throughput: 23.78 Mbit/s  
95th percentile per-packet one-way delay: 21.044 ms  
Loss rate: 1.86%

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

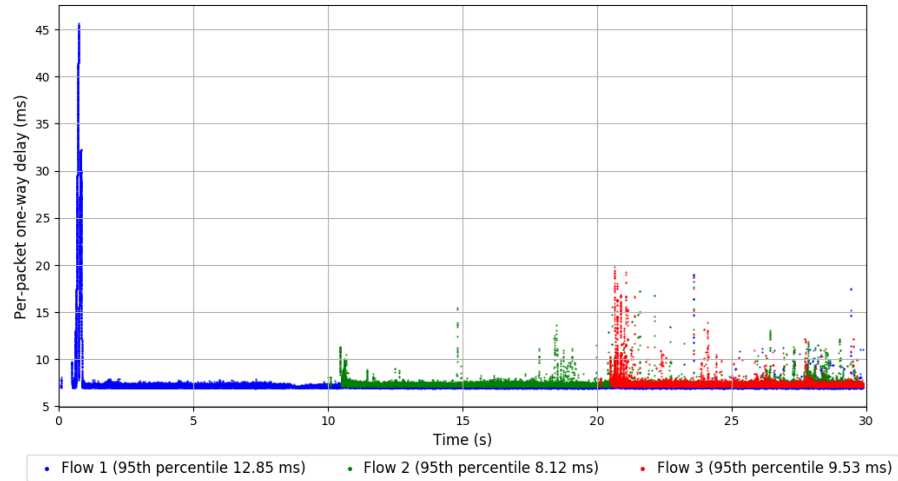
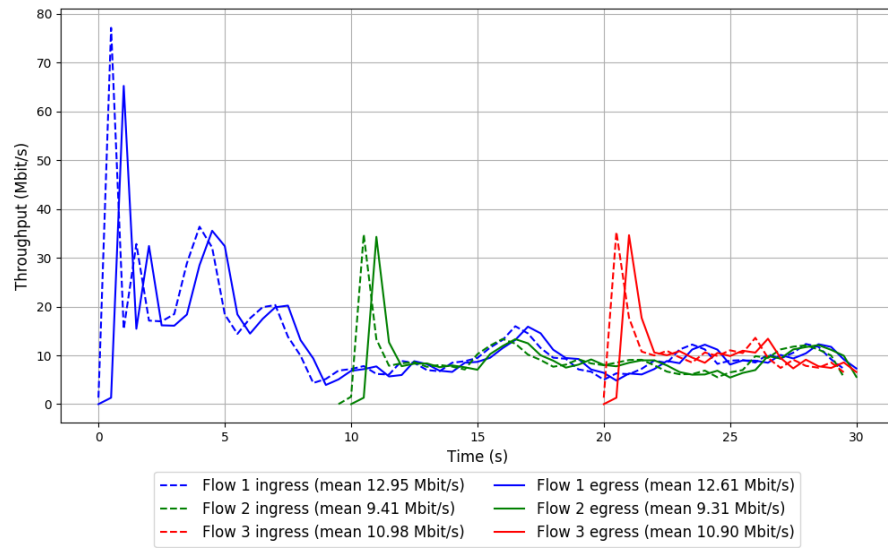


Run 3: Statistics of QUIC Cubic

Start at: 2018-06-05 12:17:23  
End at: 2018-06-05 12:17:53  
Local clock offset: 0.243 ms  
Remote clock offset: -4.323 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 22.39 Mbit/s  
95th percentile per-packet one-way delay: 9.249 ms  
Loss rate: 1.90%  
-- Flow 1:  
Average throughput: 12.61 Mbit/s  
95th percentile per-packet one-way delay: 12.852 ms  
Loss rate: 2.63%  
-- Flow 2:  
Average throughput: 9.31 Mbit/s  
95th percentile per-packet one-way delay: 8.117 ms  
Loss rate: 1.09%  
-- Flow 3:  
Average throughput: 10.90 Mbit/s  
95th percentile per-packet one-way delay: 9.526 ms  
Loss rate: 0.69%

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



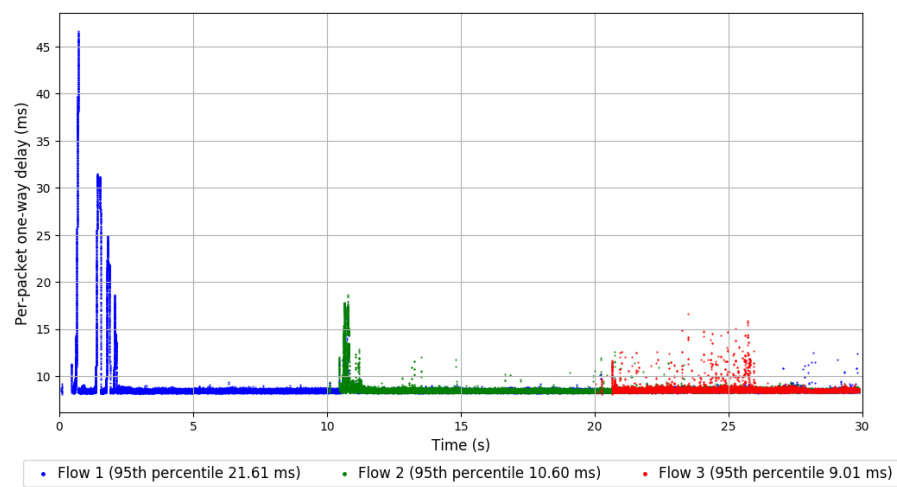
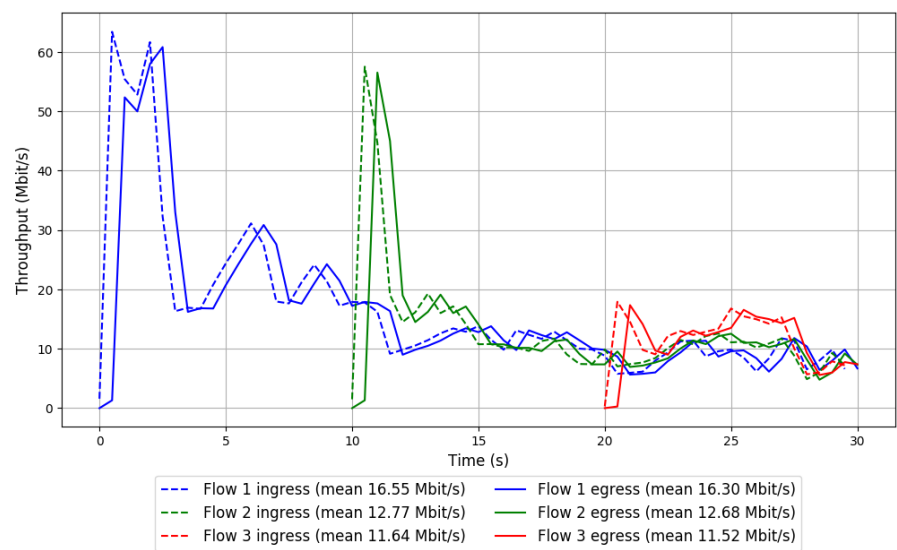
Run 4: Statistics of QUIC Cubic

Start at: 2018-06-05 12:36:26  
End at: 2018-06-05 12:36:56  
Local clock offset: -2.19 ms  
Remote clock offset: -3.777 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 28.53 Mbit/s  
95th percentile per-packet one-way delay: 14.589 ms  
Loss rate: 1.21%  
-- Flow 1:  
Average throughput: 16.30 Mbit/s  
95th percentile per-packet one-way delay: 21.606 ms  
Loss rate: 1.52%  
-- Flow 2:  
Average throughput: 12.68 Mbit/s  
95th percentile per-packet one-way delay: 10.598 ms  
Loss rate: 0.70%  
-- Flow 3:  
Average throughput: 11.52 Mbit/s  
95th percentile per-packet one-way delay: 9.012 ms  
Loss rate: 1.04%



Run 4: Report of QUIC Cubic — Data Link

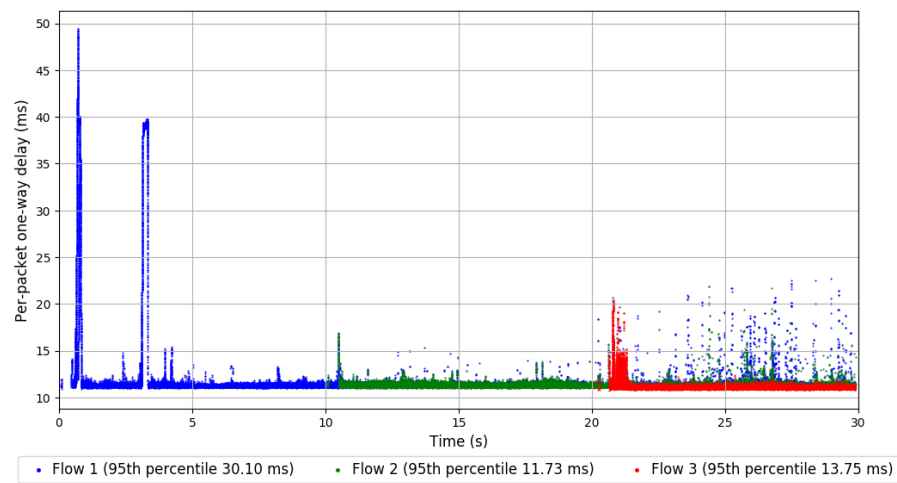
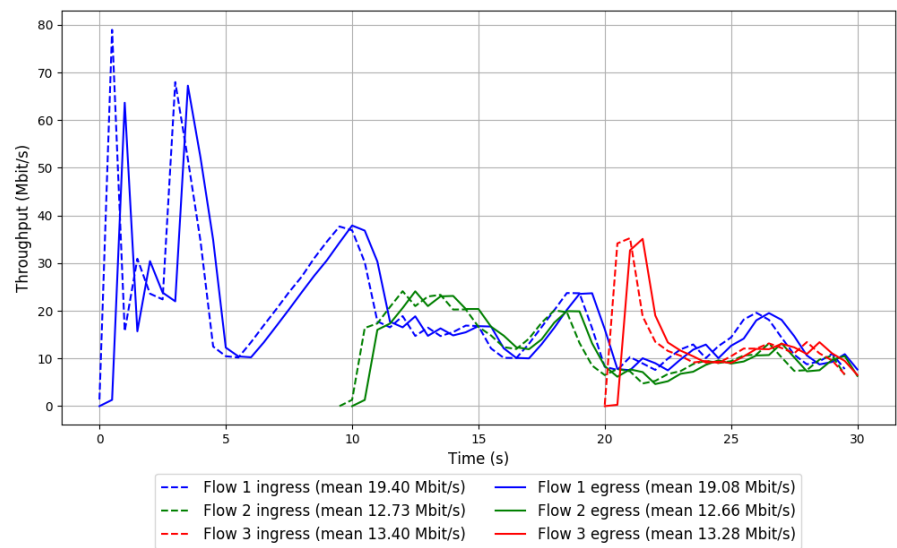


Run 5: Statistics of QUIC Cubic

Start at: 2018-06-05 12:55:15  
End at: 2018-06-05 12:55:45  
Local clock offset: -1.224 ms  
Remote clock offset: -2.455 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 31.87 Mbit/s  
95th percentile per-packet one-way delay: 15.252 ms  
Loss rate: 1.28%  
-- Flow 1:  
Average throughput: 19.08 Mbit/s  
95th percentile per-packet one-way delay: 30.101 ms  
Loss rate: 1.68%  
-- Flow 2:  
Average throughput: 12.66 Mbit/s  
95th percentile per-packet one-way delay: 11.734 ms  
Loss rate: 0.55%  
-- Flow 3:  
Average throughput: 13.28 Mbit/s  
95th percentile per-packet one-way delay: 13.751 ms  
Loss rate: 0.90%

Run 5: Report of QUIC Cubic — Data Link

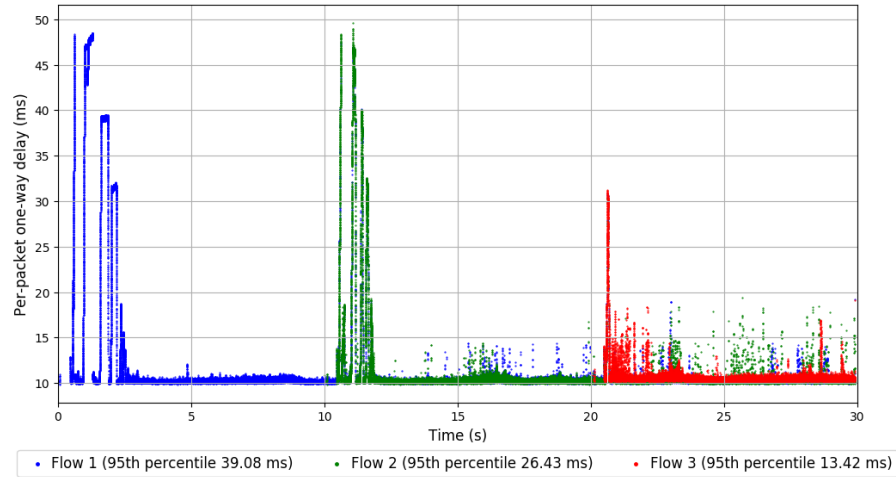
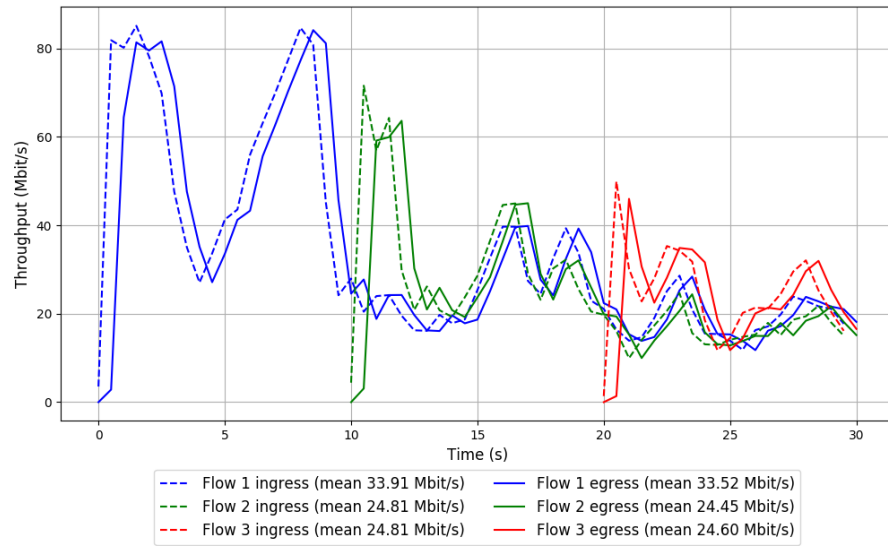


Run 6: Statistics of QUIC Cubic

Start at: 2018-06-05 13:14:11  
End at: 2018-06-05 13:14:41  
Local clock offset: -0.679 ms  
Remote clock offset: -2.044 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 57.90 Mbit/s  
95th percentile per-packet one-way delay: 31.712 ms  
Loss rate: 1.15%  
-- Flow 1:  
Average throughput: 33.52 Mbit/s  
95th percentile per-packet one-way delay: 39.078 ms  
Loss rate: 1.10%  
-- Flow 2:  
Average throughput: 24.45 Mbit/s  
95th percentile per-packet one-way delay: 26.430 ms  
Loss rate: 1.43%  
-- Flow 3:  
Average throughput: 24.60 Mbit/s  
95th percentile per-packet one-way delay: 13.417 ms  
Loss rate: 0.78%

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

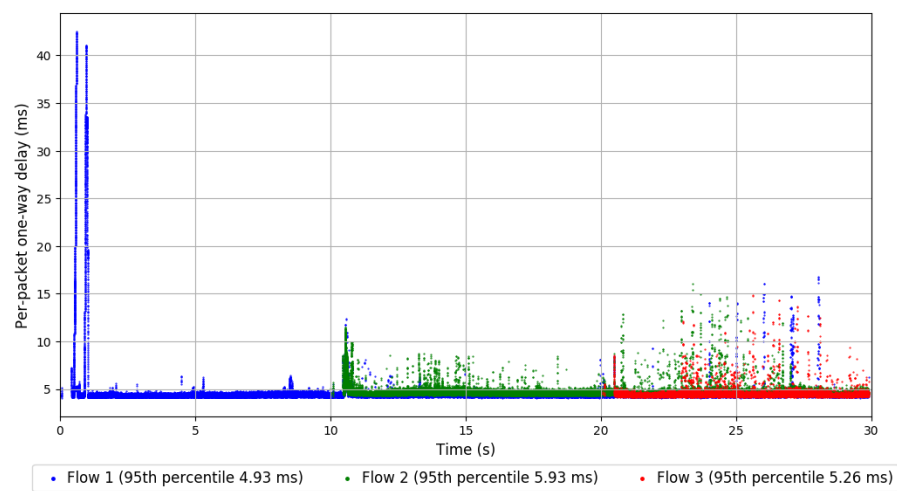
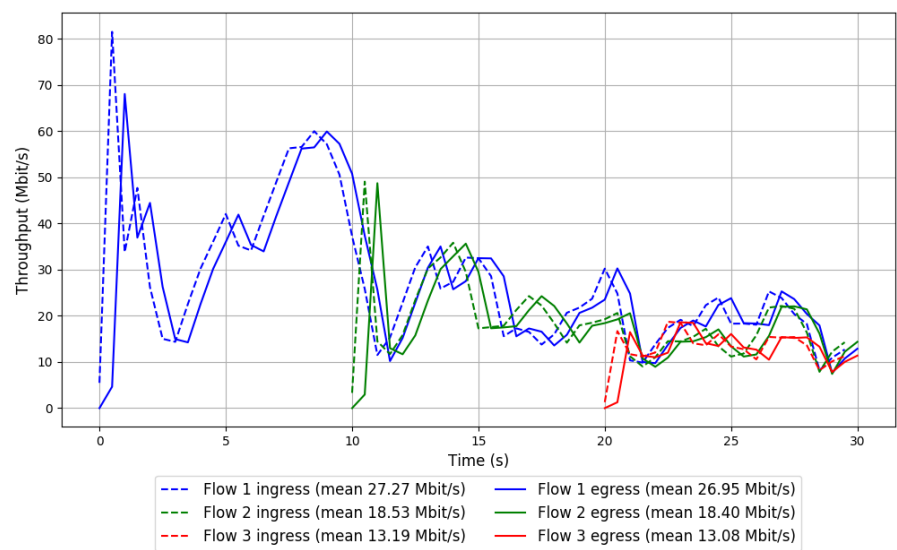


Run 7: Statistics of QUIC Cubic

Start at: 2018-06-05 13:33:03  
End at: 2018-06-05 13:33:33  
Local clock offset: 1.347 ms  
Remote clock offset: -4.487 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 43.50 Mbit/s  
95th percentile per-packet one-way delay: 5.267 ms  
Loss rate: 1.00%  
-- Flow 1:  
Average throughput: 26.95 Mbit/s  
95th percentile per-packet one-way delay: 4.933 ms  
Loss rate: 1.17%  
-- Flow 2:  
Average throughput: 18.40 Mbit/s  
95th percentile per-packet one-way delay: 5.933 ms  
Loss rate: 0.68%  
-- Flow 3:  
Average throughput: 13.08 Mbit/s  
95th percentile per-packet one-way delay: 5.258 ms  
Loss rate: 0.83%

Run 7: Report of QUIC Cubic — Data Link



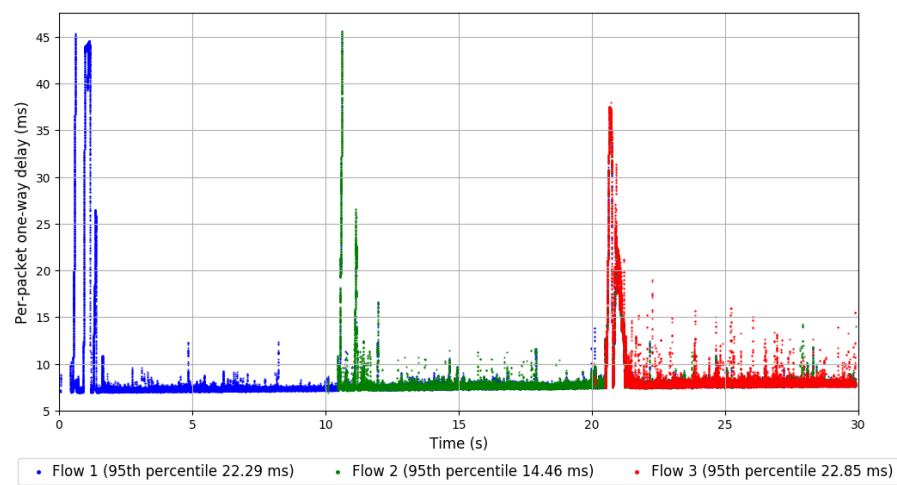
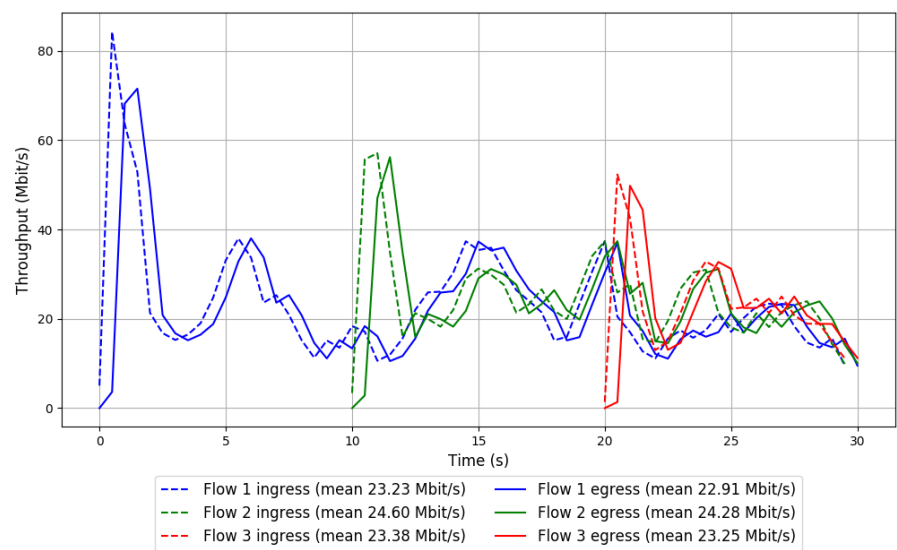
Run 8: Statistics of QUIC Cubic

Start at: 2018-06-05 13:51:52  
End at: 2018-06-05 13:52:22  
Local clock offset: -1.727 ms  
Remote clock offset: -4.112 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 46.71 Mbit/s  
95th percentile per-packet one-way delay: 20.174 ms  
Loss rate: 1.19%  
-- Flow 1:  
Average throughput: 22.91 Mbit/s  
95th percentile per-packet one-way delay: 22.294 ms  
Loss rate: 1.34%  
-- Flow 2:  
Average throughput: 24.28 Mbit/s  
95th percentile per-packet one-way delay: 14.462 ms  
Loss rate: 1.27%  
-- Flow 3:  
Average throughput: 23.25 Mbit/s  
95th percentile per-packet one-way delay: 22.853 ms  
Loss rate: 0.57%



Run 8: Report of QUIC Cubic — Data Link

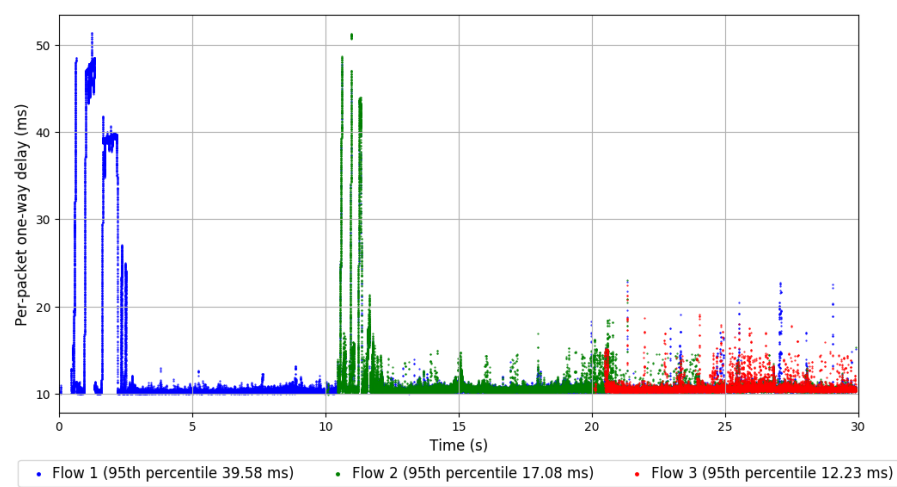
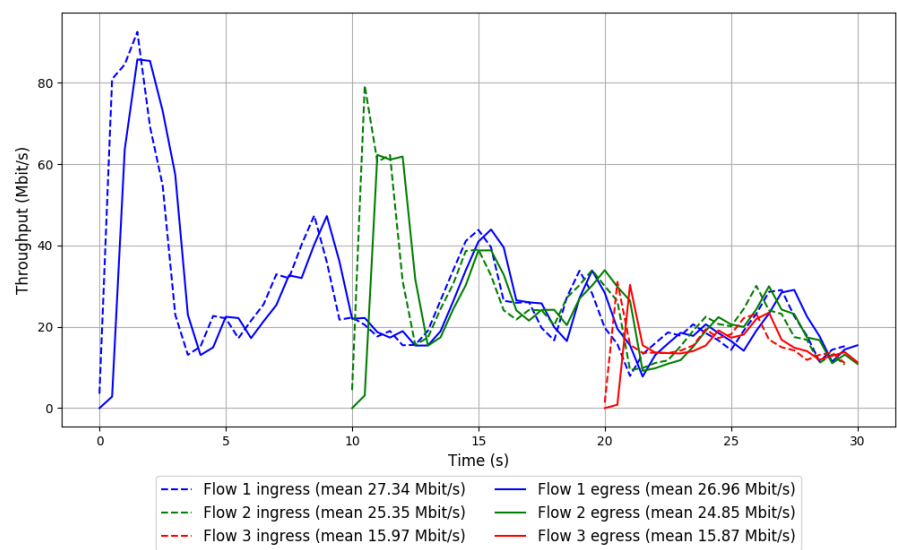


Run 9: Statistics of QUIC Cubic

Start at: 2018-06-05 14:10:47  
End at: 2018-06-05 14:11:17  
Local clock offset: -4.338 ms  
Remote clock offset: -16.402 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 48.72 Mbit/s  
95th percentile per-packet one-way delay: 39.266 ms  
Loss rate: 1.50%  
-- Flow 1:  
Average throughput: 26.96 Mbit/s  
95th percentile per-packet one-way delay: 39.582 ms  
Loss rate: 1.38%  
-- Flow 2:  
Average throughput: 24.85 Mbit/s  
95th percentile per-packet one-way delay: 17.079 ms  
Loss rate: 1.95%  
-- Flow 3:  
Average throughput: 15.87 Mbit/s  
95th percentile per-packet one-way delay: 12.234 ms  
Loss rate: 0.65%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-06-05 14:29:22

End at: 2018-06-05 14:29:52

Local clock offset: -1.171 ms

Remote clock offset: -21.233 ms

# Below is generated by plot.py at 2018-06-05 14:48:29

# Datalink statistics

-- Total of 3 flows:

Average throughput: 22.03 Mbit/s

95th percentile per-packet one-way delay: 11.146 ms

Loss rate: 3.43%

-- Flow 1:

Average throughput: 13.93 Mbit/s

95th percentile per-packet one-way delay: 33.366 ms

Loss rate: 3.38%

-- Flow 2:

Average throughput: 8.24 Mbit/s

95th percentile per-packet one-way delay: 6.446 ms

Loss rate: 3.34%

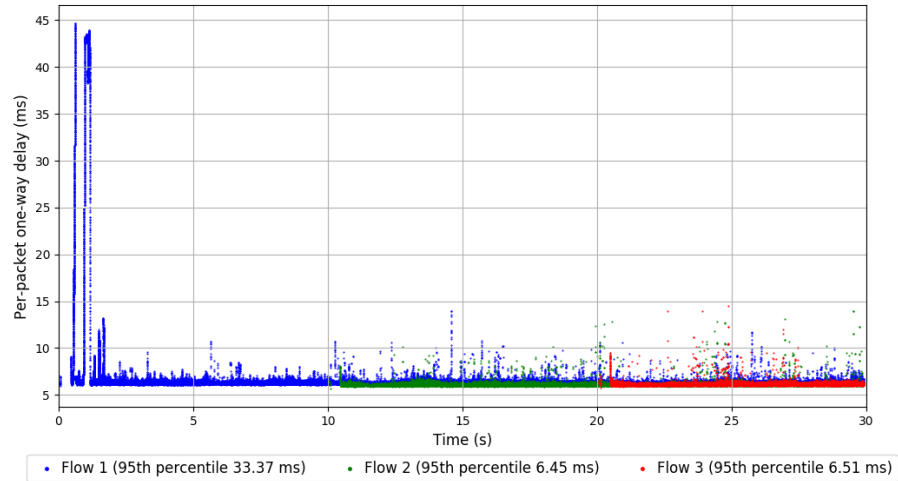
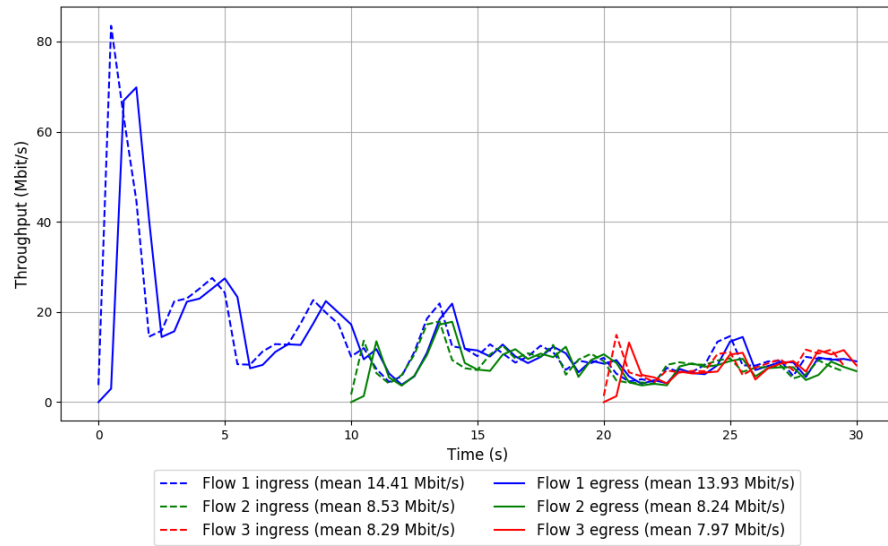
-- Flow 3:

Average throughput: 7.97 Mbit/s

95th percentile per-packet one-way delay: 6.512 ms

Loss rate: 3.86%

# Run 10: Report of QUIC Cubic — Data Link

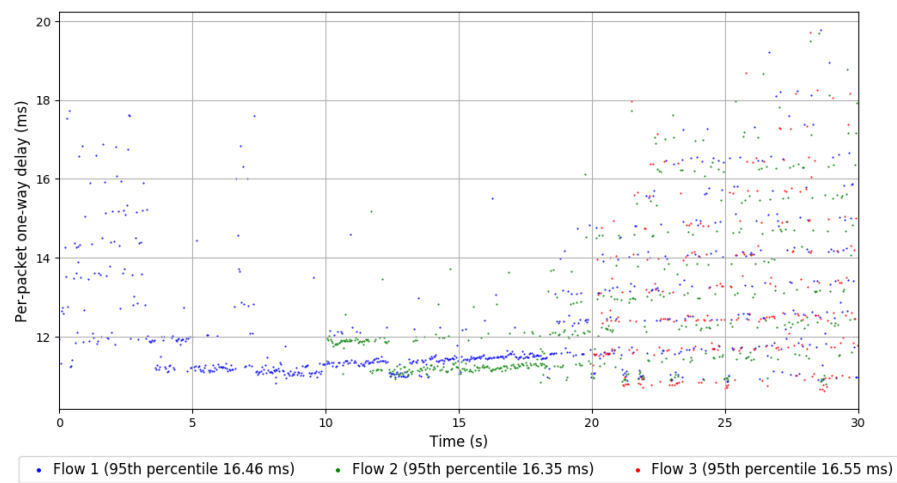
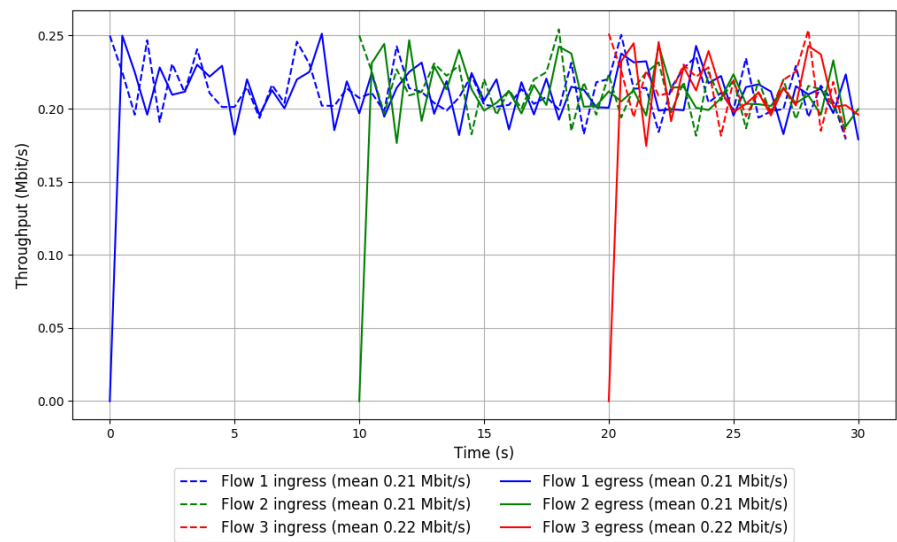


```
Run 1: Statistics of SReAM

Start at: 2018-06-05 11:38:04
End at: 2018-06-05 11:38:34
Local clock offset: -2.371 ms
Remote clock offset: -10.96 ms

# Below is generated by plot.py at 2018-06-05 14:48:29
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 16.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.458 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 16.351 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 16.553 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



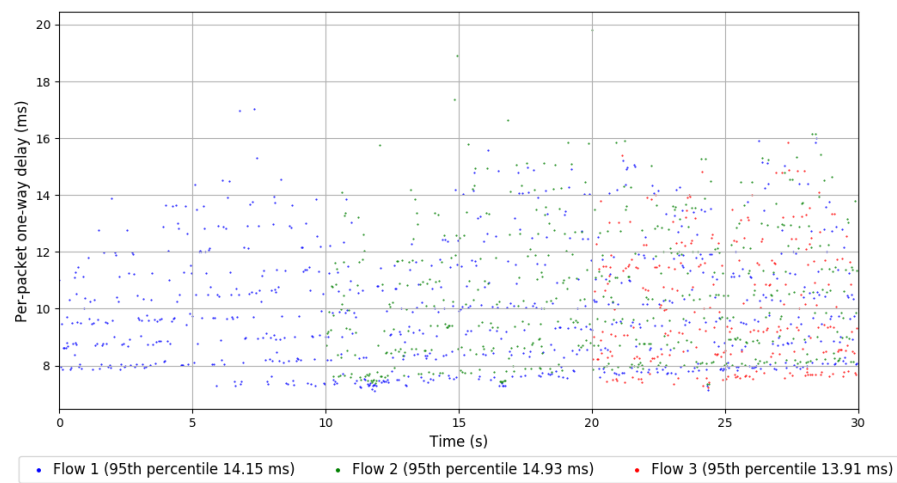
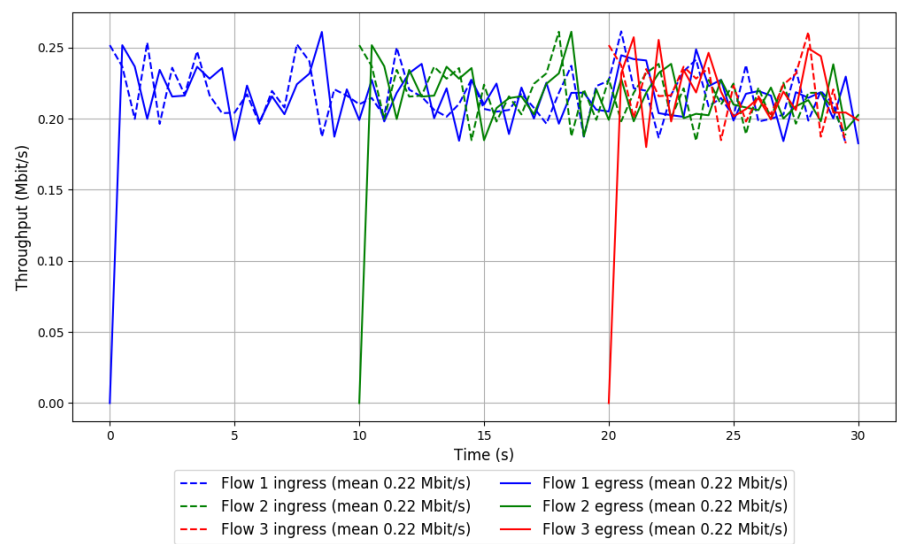
Run 2: Statistics of SReAM

Start at: 2018-06-05 11:57:28  
End at: 2018-06-05 11:57:58  
Local clock offset: -0.827 ms  
Remote clock offset: -7.875 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 14.271 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 14.146 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 14.931 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 13.912 ms  
Loss rate: 0.00%



Run 2: Report of SReAM — Data Link

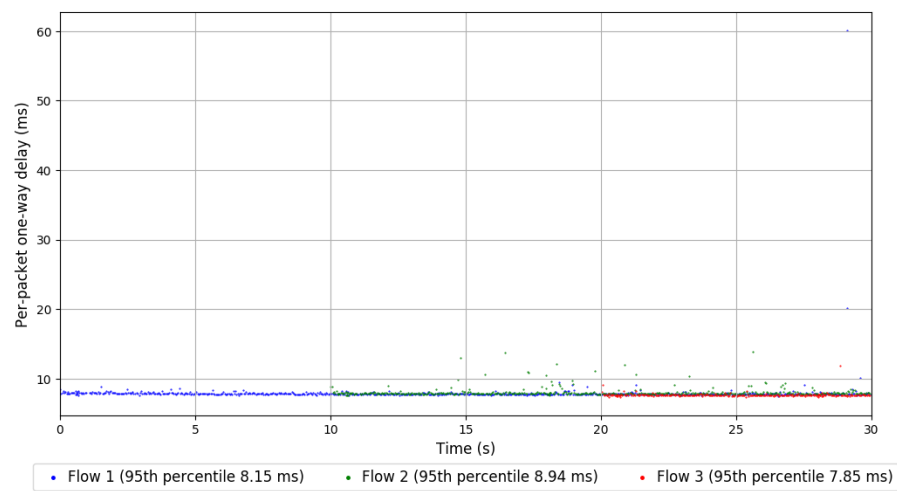
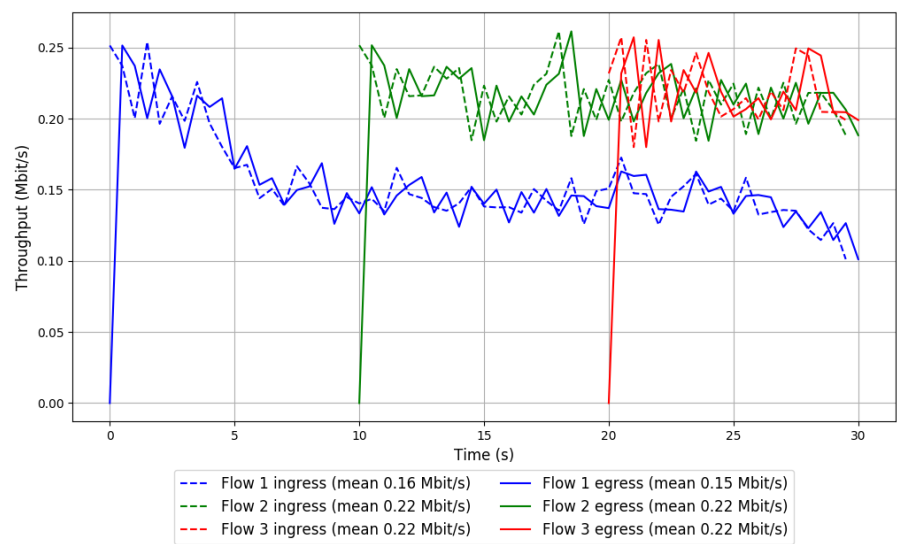


Run 3: Statistics of SReAM

Start at: 2018-06-05 12:16:17  
End at: 2018-06-05 12:16:47  
Local clock offset: -1.205 ms  
Remote clock offset: -5.462 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 8.226 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.15 Mbit/s  
95th percentile per-packet one-way delay: 8.147 ms  
Loss rate: 0.32%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 8.938 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 7.846 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

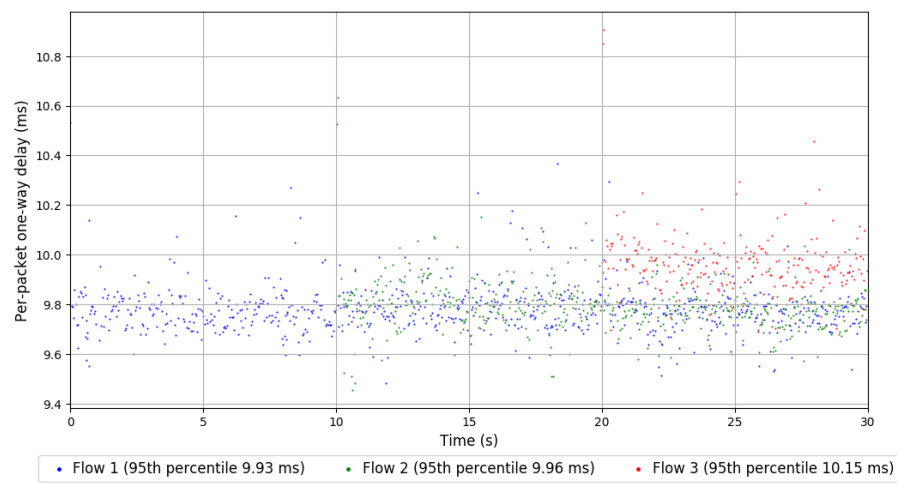
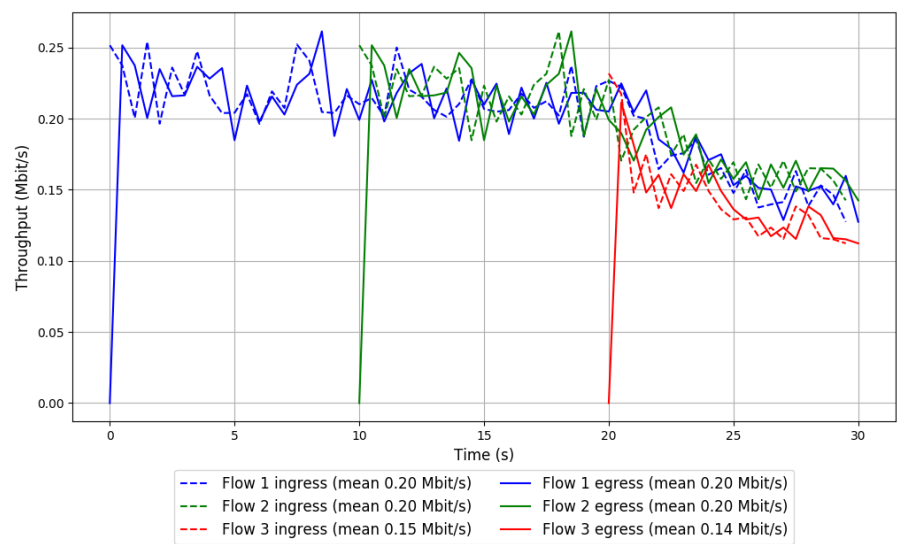


Run 4: Statistics of SCReAM

Start at: 2018-06-05 12:35:21  
End at: 2018-06-05 12:35:51  
Local clock offset: -3.224 ms  
Remote clock offset: -3.358 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 10.029 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 9.934 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 9.958 ms  
Loss rate: 0.48%  
-- Flow 3:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 10.148 ms  
Loss rate: 2.44%

Run 4: Report of SReAM — Data Link

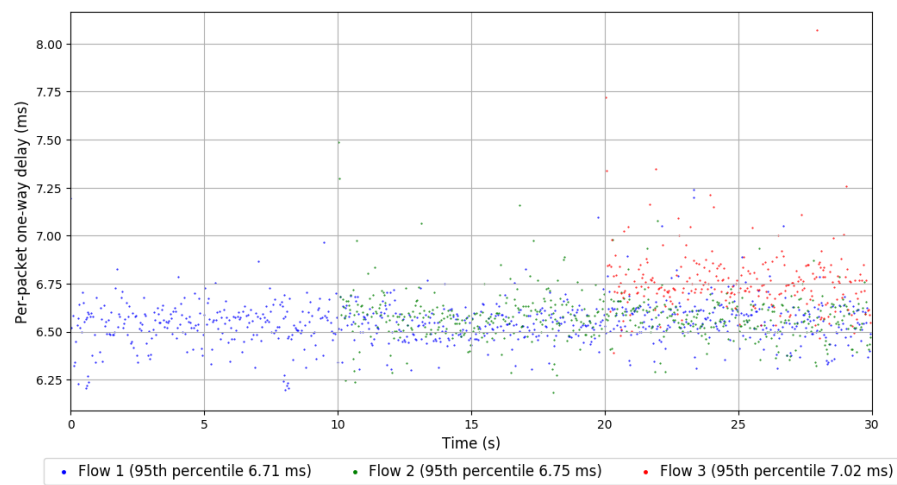
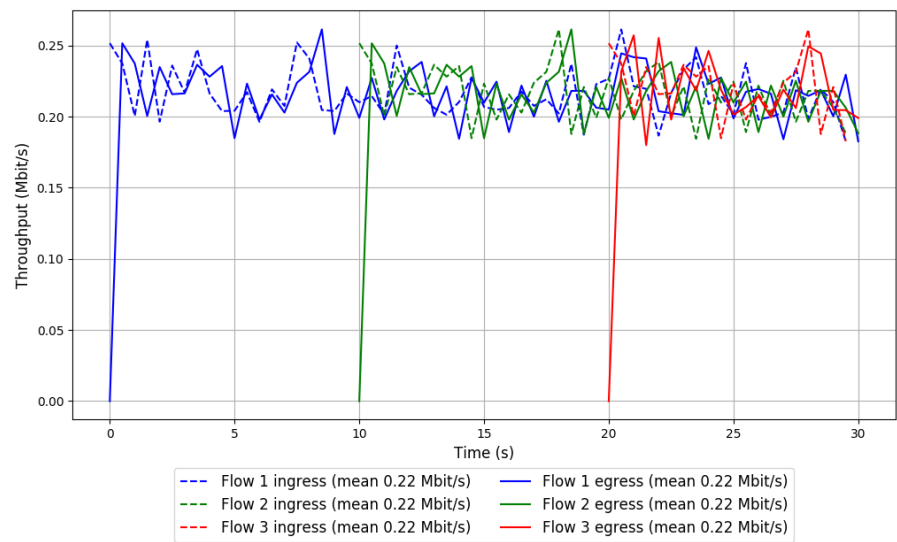


Run 5: Statistics of SReAM

Start at: 2018-06-05 12:54:10  
End at: 2018-06-05 12:54:40  
Local clock offset: -1.638 ms  
Remote clock offset: -7.354 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 6.842 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 6.706 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 6.749 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 7.024 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



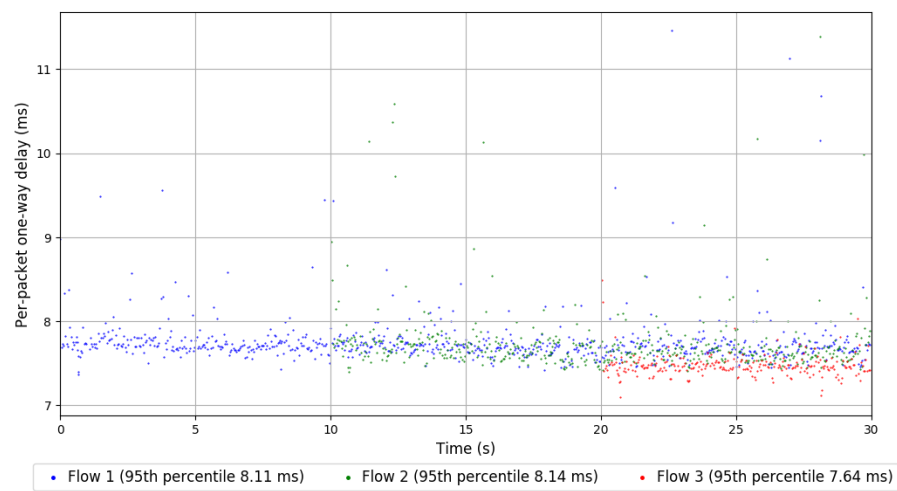
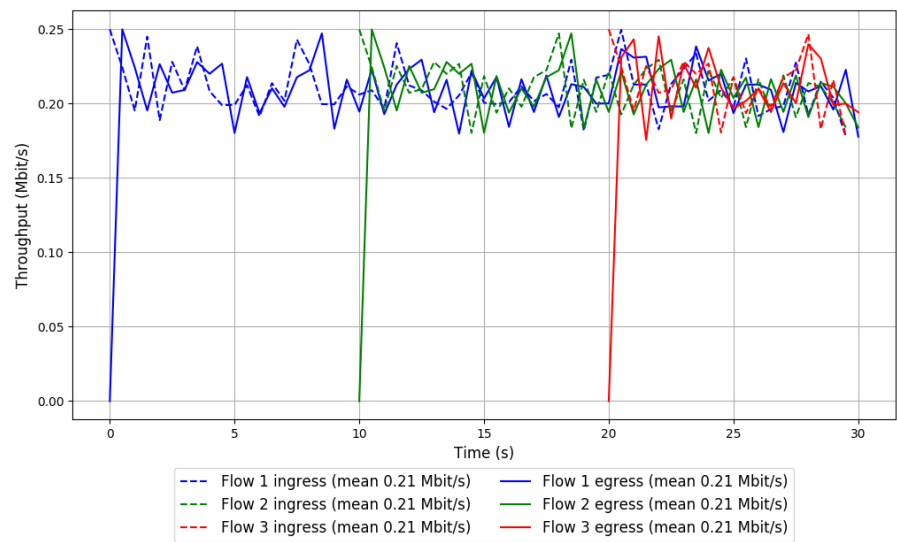
Run 6: Statistics of SCReAM

Start at: 2018-06-05 13:13:06  
End at: 2018-06-05 13:13:36  
Local clock offset: 2.049 ms  
Remote clock offset: -2.074 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 8.078 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 8.107 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 8.143 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 7.636 ms  
Loss rate: 0.00%



Run 6: Report of SReAM — Data Link

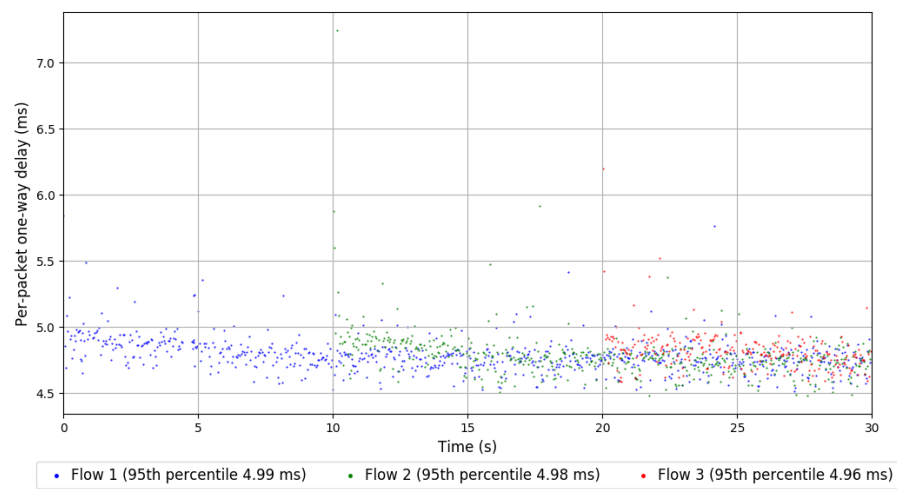
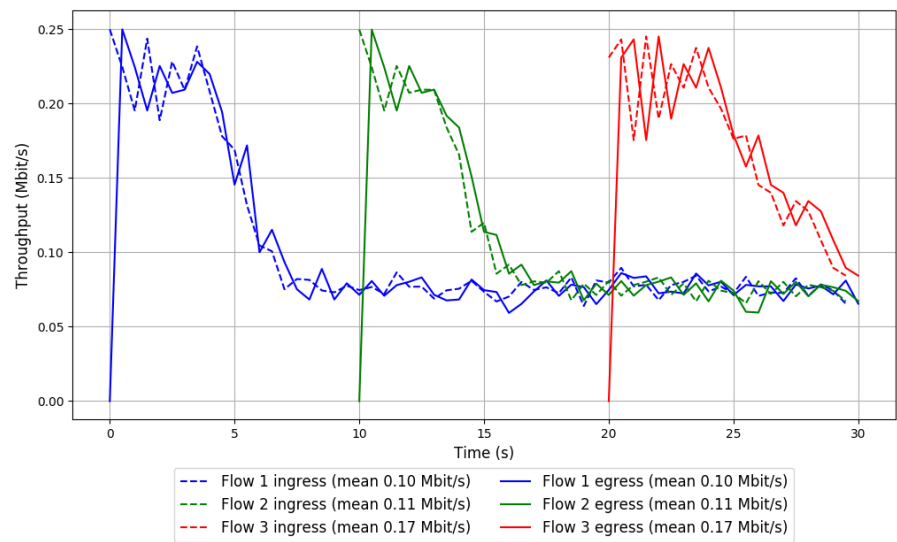


Run 7: Statistics of SCReAM

Start at: 2018-06-05 13:31:58  
End at: 2018-06-05 13:32:28  
Local clock offset: 1.651 ms  
Remote clock offset: -3.736 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.23 Mbit/s  
95th percentile per-packet one-way delay: 4.981 ms  
Loss rate: 1.60%  
-- Flow 1:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 4.985 ms  
Loss rate: 2.07%  
-- Flow 2:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 4.978 ms  
Loss rate: 1.36%  
-- Flow 3:  
Average throughput: 0.17 Mbit/s  
95th percentile per-packet one-way delay: 4.960 ms  
Loss rate: 1.04%

Run 7: Report of SReAM — Data Link

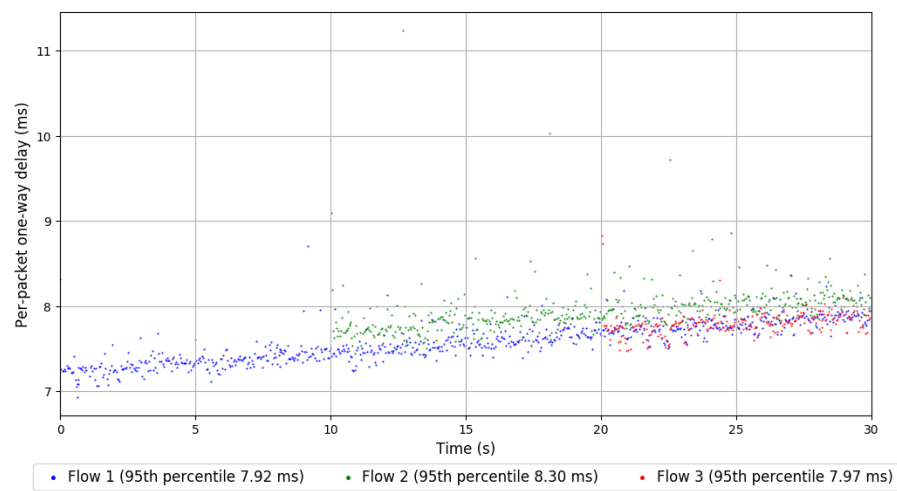
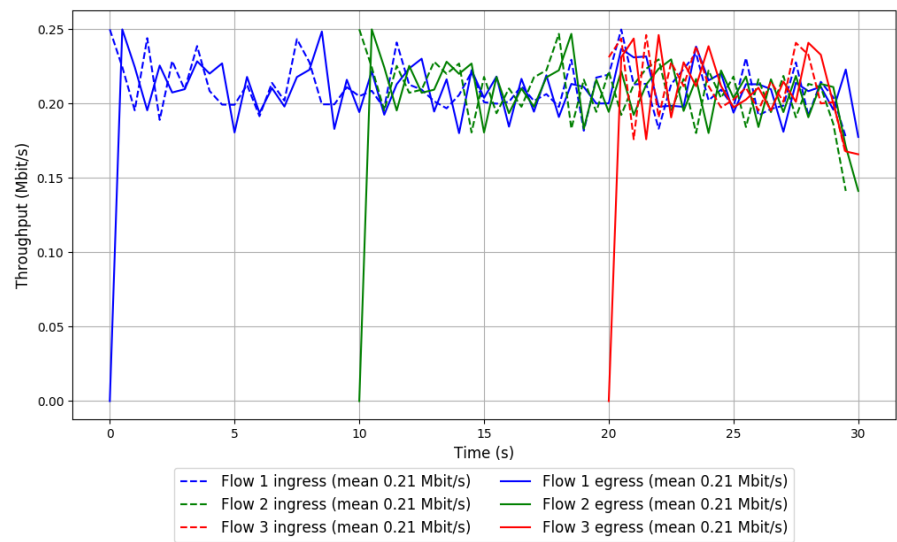


Run 8: Statistics of SReAM

Start at: 2018-06-05 13:50:47  
End at: 2018-06-05 13:51:17  
Local clock offset: -3.22 ms  
Remote clock offset: -3.839 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 8.115 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 7.916 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 8.300 ms  
Loss rate: 0.18%  
-- Flow 3:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 7.969 ms  
Loss rate: 0.78%

Run 8: Report of SReAM — Data Link

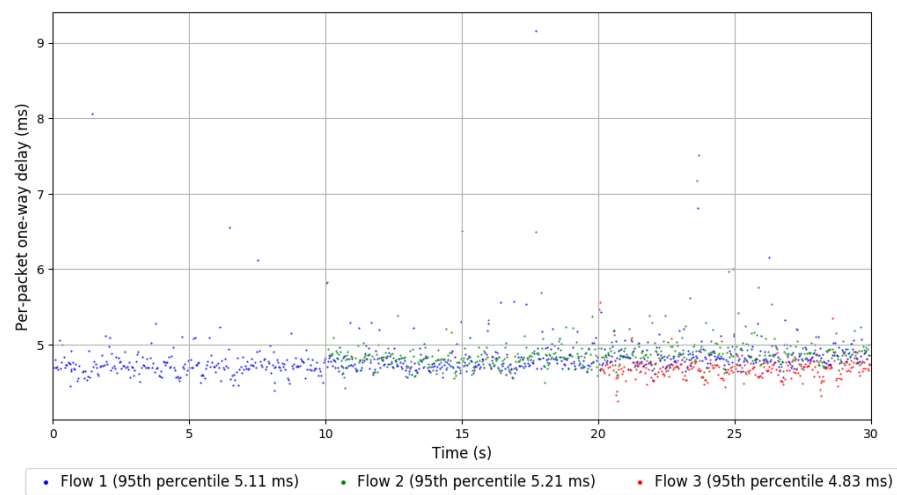
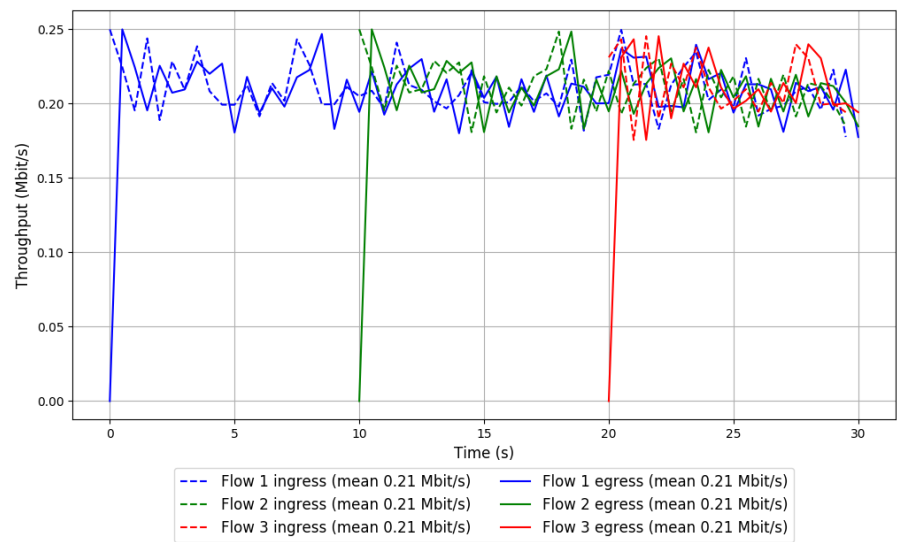


Run 9: Statistics of SReAM

Start at: 2018-06-05 14:09:42  
End at: 2018-06-05 14:10:12  
Local clock offset: -0.789 ms  
Remote clock offset: -17.969 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.42 Mbit/s  
95th percentile per-packet one-way delay: 5.117 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 5.112 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 5.206 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 4.834 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



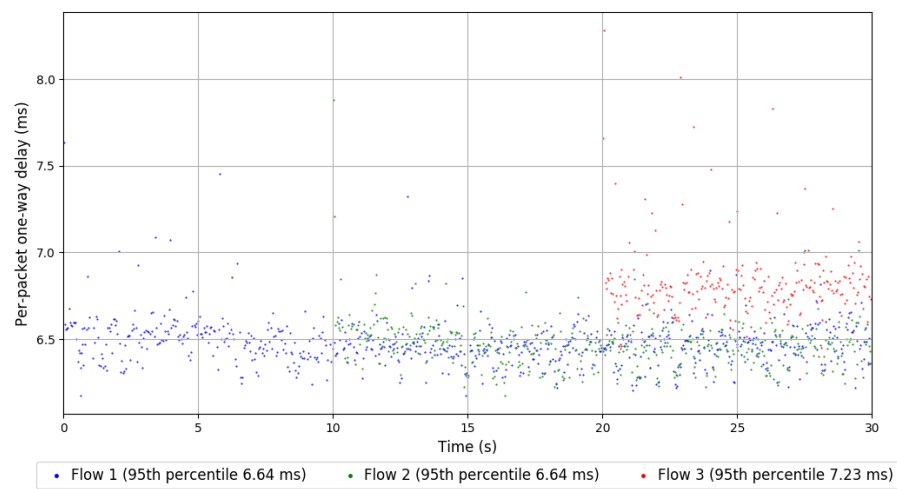
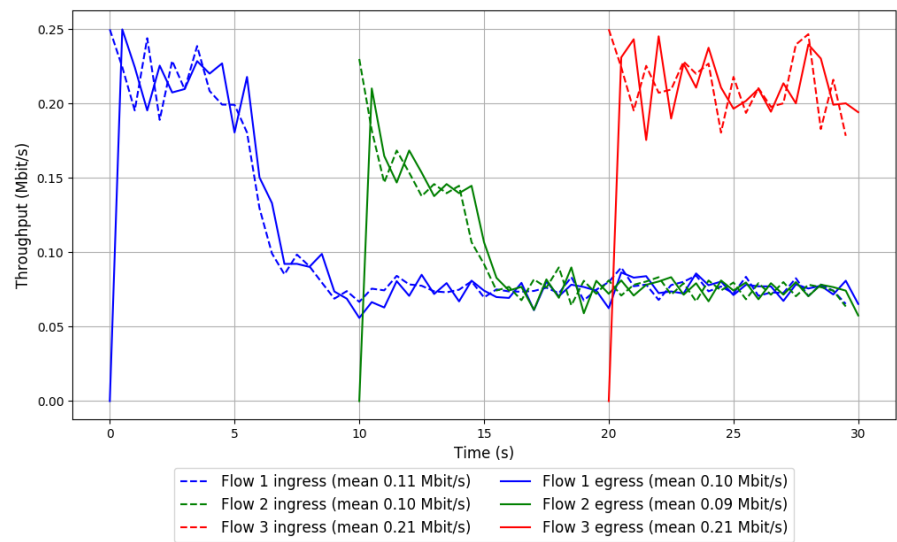
Run 10: Statistics of SReAM

Start at: 2018-06-05 14:28:18  
End at: 2018-06-05 14:28:48  
Local clock offset: -1.949 ms  
Remote clock offset: -21.434 ms

# Below is generated by plot.py at 2018-06-05 14:48:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.24 Mbit/s  
95th percentile per-packet one-way delay: 6.862 ms  
Loss rate: 1.07%  
-- Flow 1:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 6.644 ms  
Loss rate: 1.30%  
-- Flow 2:  
Average throughput: 0.09 Mbit/s  
95th percentile per-packet one-way delay: 6.636 ms  
Loss rate: 1.85%  
-- Flow 3:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 7.226 ms  
Loss rate: 0.00%



Run 10: Report of SReAM — Data Link

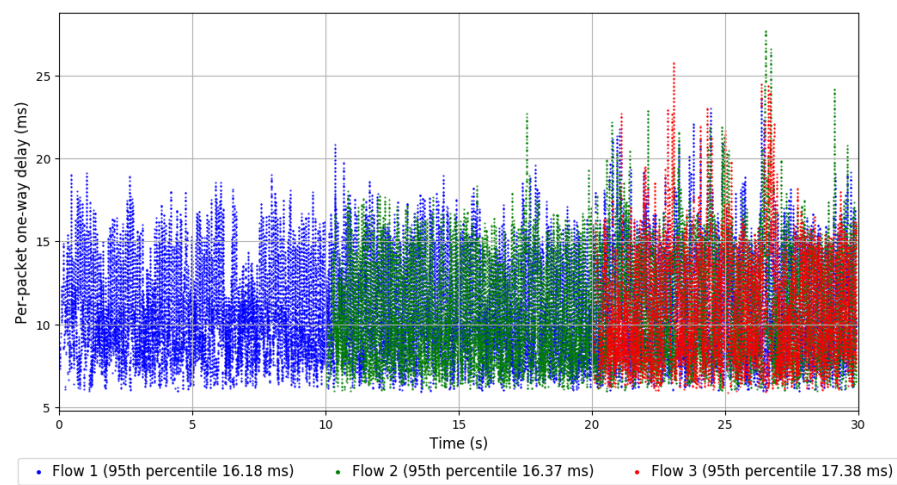
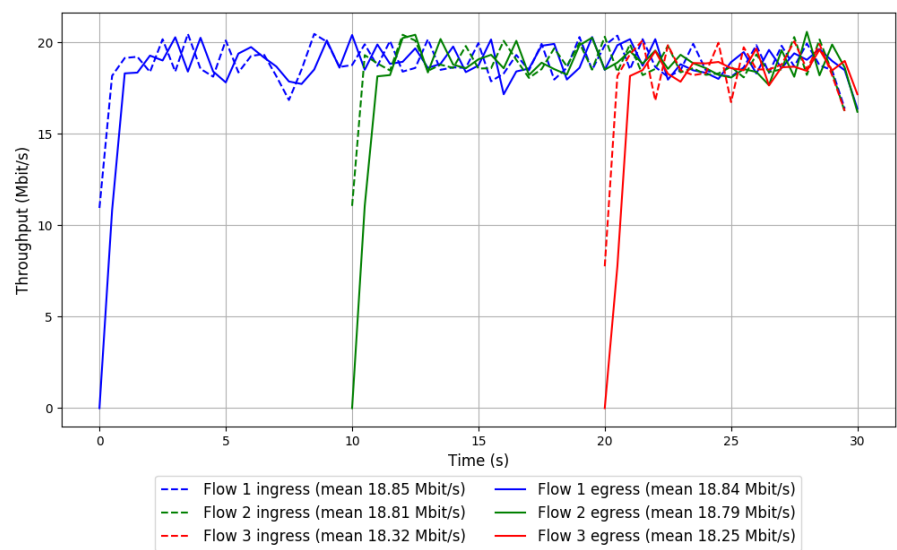


Run 1: Statistics of Sprout

Start at: 2018-06-05 11:27:36  
End at: 2018-06-05 11:28:06  
Local clock offset: 3.053 ms  
Remote clock offset: -13.524 ms

# Below is generated by plot.py at 2018-06-05 14:48:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 37.37 Mbit/s  
95th percentile per-packet one-way delay: 16.346 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 18.84 Mbit/s  
95th percentile per-packet one-way delay: 16.175 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 18.79 Mbit/s  
95th percentile per-packet one-way delay: 16.370 ms  
Loss rate: 0.10%  
-- Flow 3:  
Average throughput: 18.25 Mbit/s  
95th percentile per-packet one-way delay: 17.384 ms  
Loss rate: 0.34%

Run 1: Report of Sprout — Data Link

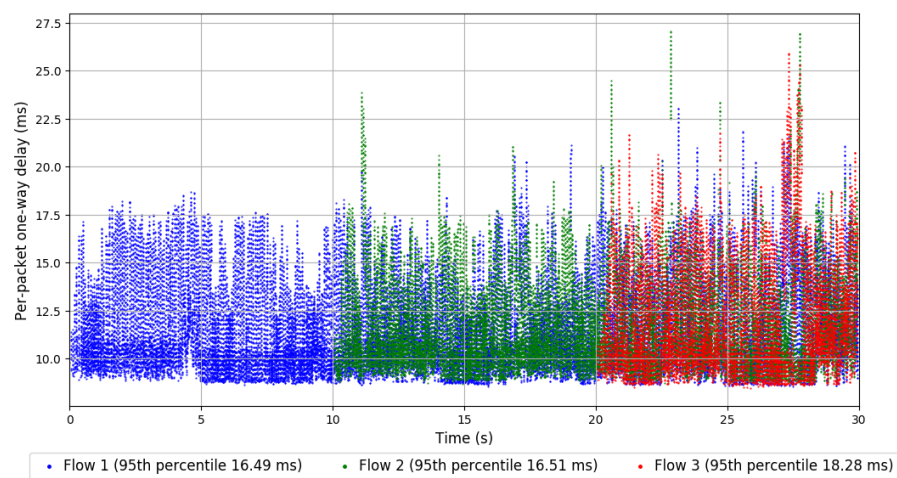
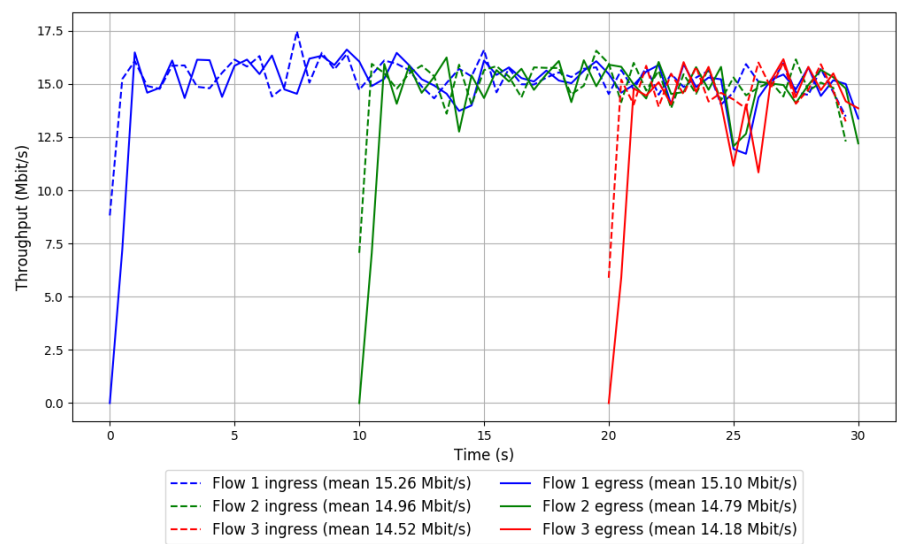


Run 2: Statistics of Sprout

Start at: 2018-06-05 11:46:38  
End at: 2018-06-05 11:47:08  
Local clock offset: -1.693 ms  
Remote clock offset: -8.885 ms

# Below is generated by plot.py at 2018-06-05 14:48:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 29.62 Mbit/s  
95th percentile per-packet one-way delay: 16.750 ms  
Loss rate: 1.26%  
-- Flow 1:  
Average throughput: 15.10 Mbit/s  
95th percentile per-packet one-way delay: 16.489 ms  
Loss rate: 1.05%  
-- Flow 2:  
Average throughput: 14.79 Mbit/s  
95th percentile per-packet one-way delay: 16.508 ms  
Loss rate: 1.10%  
-- Flow 3:  
Average throughput: 14.18 Mbit/s  
95th percentile per-packet one-way delay: 18.279 ms  
Loss rate: 2.25%

Run 2: Report of Sprout — Data Link

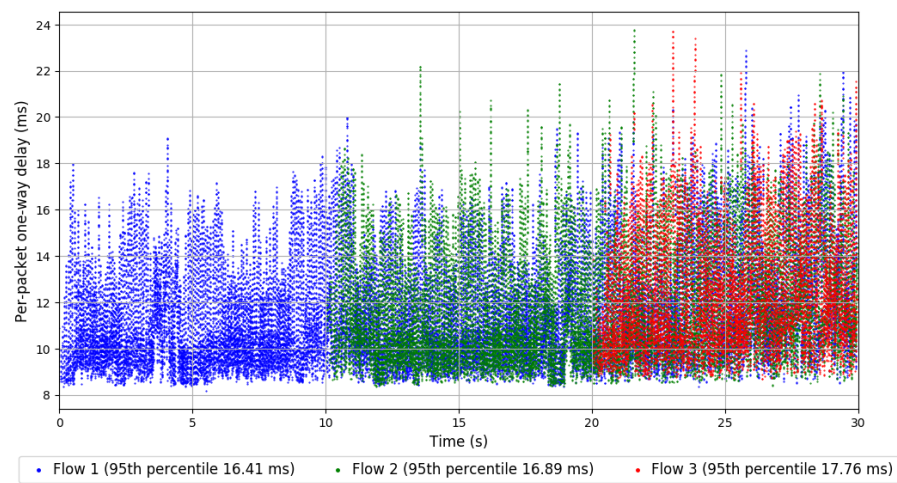
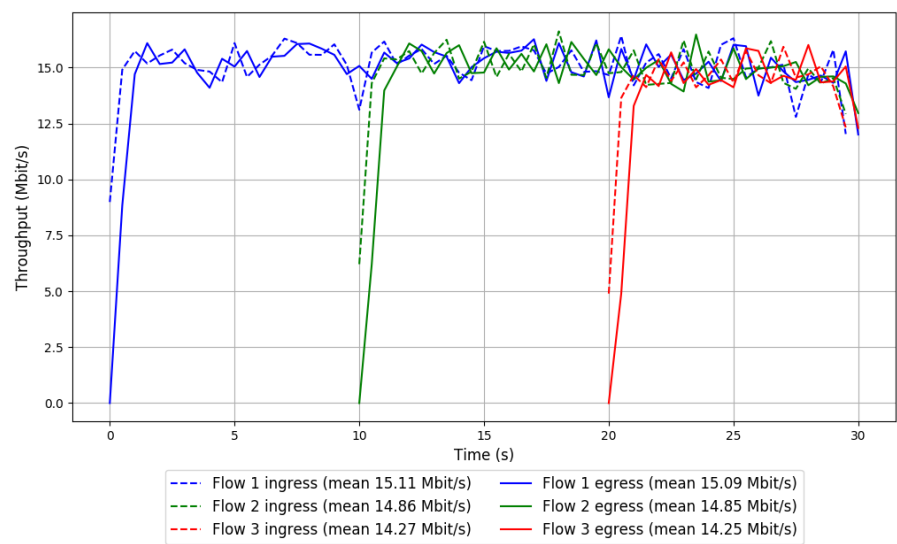


### Run 3: Statistics of Sprout

Start at: 2018-06-05 12:05:41  
End at: 2018-06-05 12:06:11  
Local clock offset: -2.923 ms  
Remote clock offset: -8.239 ms

```
# Below is generated by plot.py at 2018-06-05 14:48:33
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.68 Mbit/s
95th percentile per-packet one-way delay: 16.838 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 15.09 Mbit/s
95th percentile per-packet one-way delay: 16.406 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 14.85 Mbit/s
95th percentile per-packet one-way delay: 16.890 ms
Loss rate: 0.08%
-- Flow 3:
Average throughput: 14.25 Mbit/s
95th percentile per-packet one-way delay: 17.763 ms
Loss rate: 0.14%
```

Run 3: Report of Sprout — Data Link



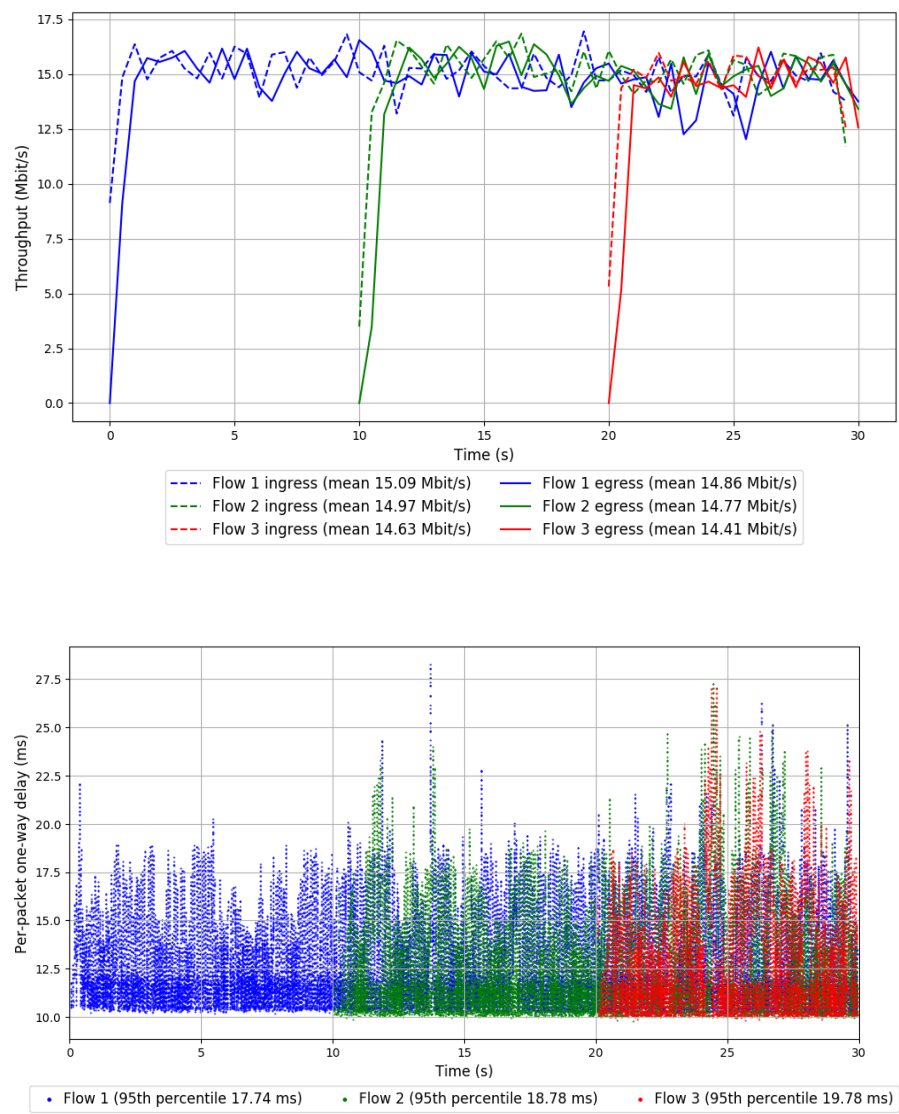
#### Run 4: Statistics of Sprout

Start at: 2018-06-05 12:24:41  
End at: 2018-06-05 12:25:11  
Local clock offset: -2.522 ms  
Remote clock offset: -2.96 ms

```
# Below is generated by plot.py at 2018-06-05 14:48:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 29.45 Mbit/s
95th percentile per-packet one-way delay: 18.253 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 14.86 Mbit/s
95th percentile per-packet one-way delay: 17.736 ms
Loss rate: 1.52%
-- Flow 2:
Average throughput: 14.77 Mbit/s
95th percentile per-packet one-way delay: 18.781 ms
Loss rate: 1.29%
-- Flow 3:
Average throughput: 14.41 Mbit/s
95th percentile per-packet one-way delay: 19.776 ms
Loss rate: 1.46%
```



Run 4: Report of Sprout — Data Link

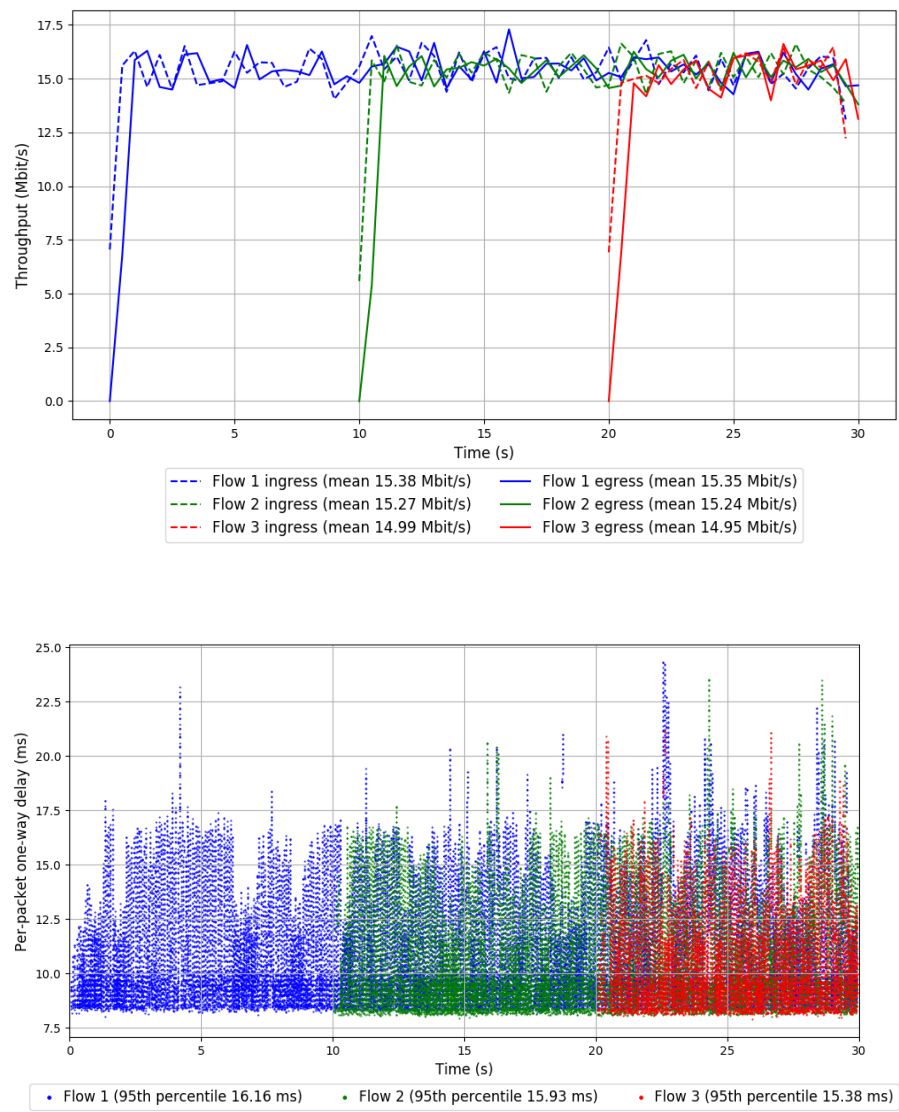


Run 5: Statistics of Sprout

Start at: 2018-06-05 12:43:35  
End at: 2018-06-05 12:44:05  
Local clock offset: 0.884 ms  
Remote clock offset: -1.792 ms

# Below is generated by plot.py at 2018-06-05 14:48:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 30.42 Mbit/s  
95th percentile per-packet one-way delay: 15.985 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 15.35 Mbit/s  
95th percentile per-packet one-way delay: 16.158 ms  
Loss rate: 0.20%  
-- Flow 2:  
Average throughput: 15.24 Mbit/s  
95th percentile per-packet one-way delay: 15.929 ms  
Loss rate: 0.22%  
-- Flow 3:  
Average throughput: 14.95 Mbit/s  
95th percentile per-packet one-way delay: 15.381 ms  
Loss rate: 0.32%

Run 5: Report of Sprout — Data Link

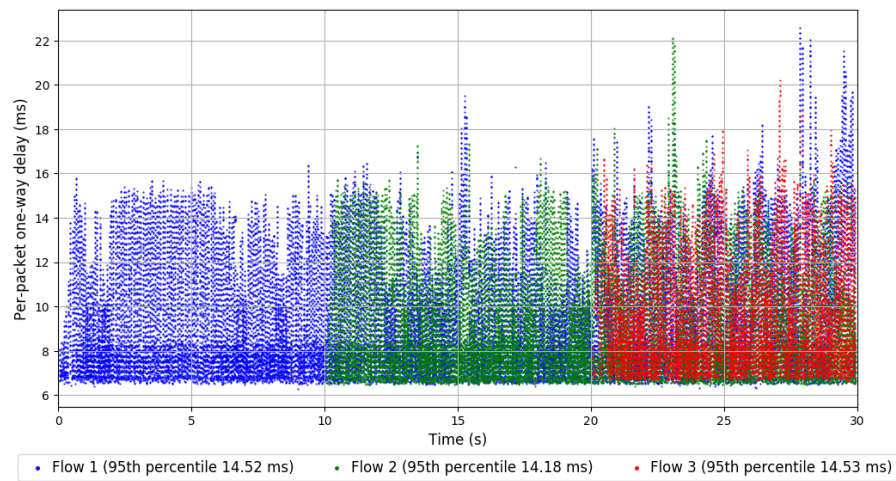
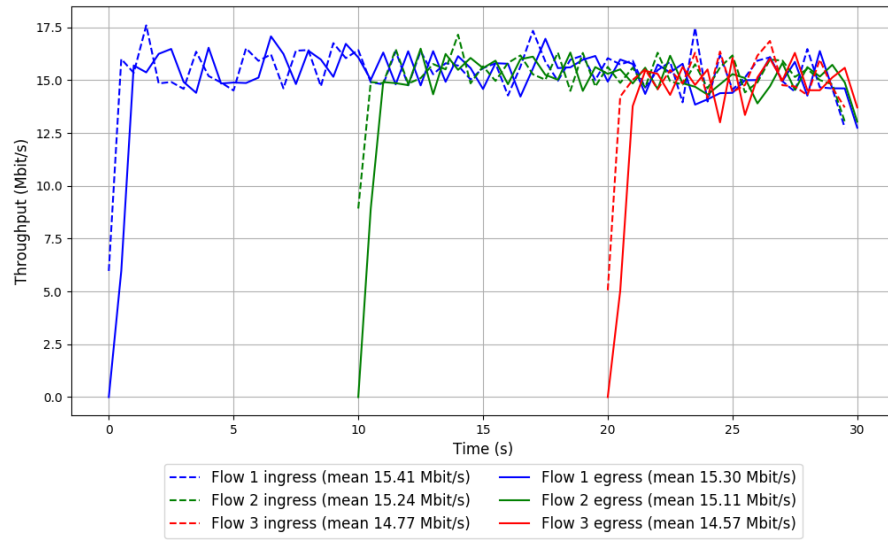


Run 6: Statistics of Sprout

Start at: 2018-06-05 13:02:22  
End at: 2018-06-05 13:02:52  
Local clock offset: 2.769 ms  
Remote clock offset: -2.929 ms

# Below is generated by plot.py at 2018-06-05 14:48:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 30.15 Mbit/s  
95th percentile per-packet one-way delay: 14.427 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 15.30 Mbit/s  
95th percentile per-packet one-way delay: 14.522 ms  
Loss rate: 0.69%  
-- Flow 2:  
Average throughput: 15.11 Mbit/s  
95th percentile per-packet one-way delay: 14.182 ms  
Loss rate: 0.85%  
-- Flow 3:  
Average throughput: 14.57 Mbit/s  
95th percentile per-packet one-way delay: 14.528 ms  
Loss rate: 1.29%

# Run 6: Report of Sprout — Data Link

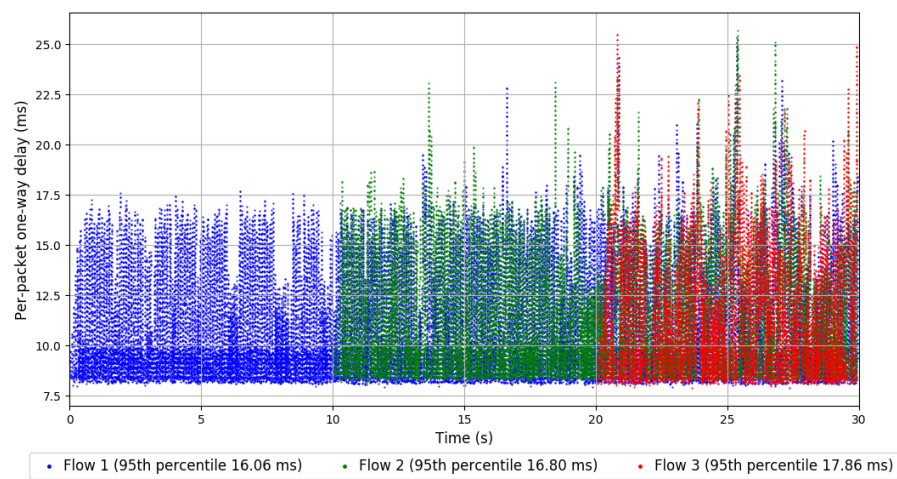
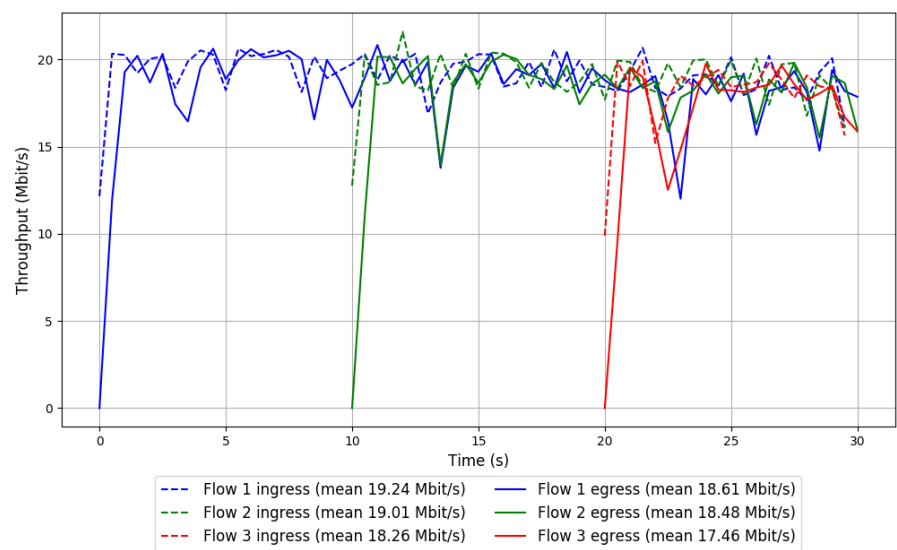


Run 7: Statistics of Sprout

Start at: 2018-06-05 13:21:25  
End at: 2018-06-05 13:21:55  
Local clock offset: 0.724 ms  
Remote clock offset: -1.917 ms

# Below is generated by plot.py at 2018-06-05 14:48:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 36.66 Mbit/s  
95th percentile per-packet one-way delay: 16.534 ms  
Loss rate: 3.27%  
-- Flow 1:  
Average throughput: 18.61 Mbit/s  
95th percentile per-packet one-way delay: 16.064 ms  
Loss rate: 3.24%  
-- Flow 2:  
Average throughput: 18.48 Mbit/s  
95th percentile per-packet one-way delay: 16.802 ms  
Loss rate: 2.78%  
-- Flow 3:  
Average throughput: 17.46 Mbit/s  
95th percentile per-packet one-way delay: 17.857 ms  
Loss rate: 4.35%

Run 7: Report of Sprout — Data Link



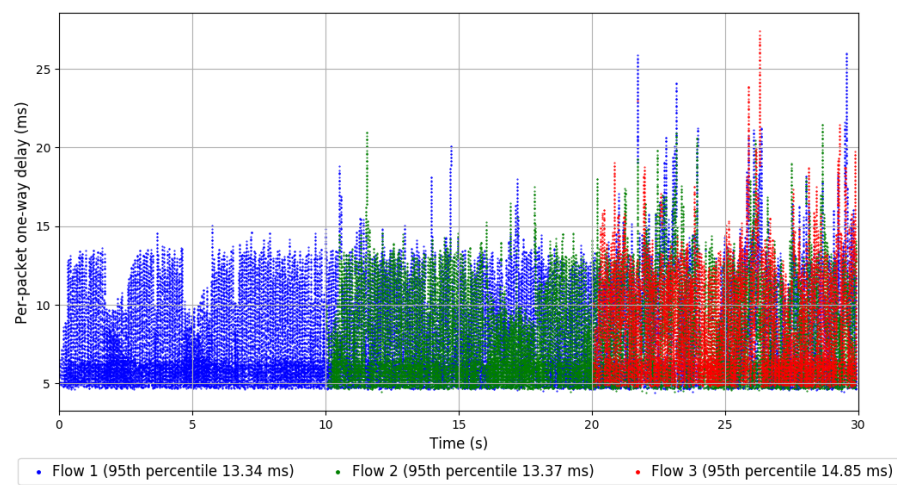
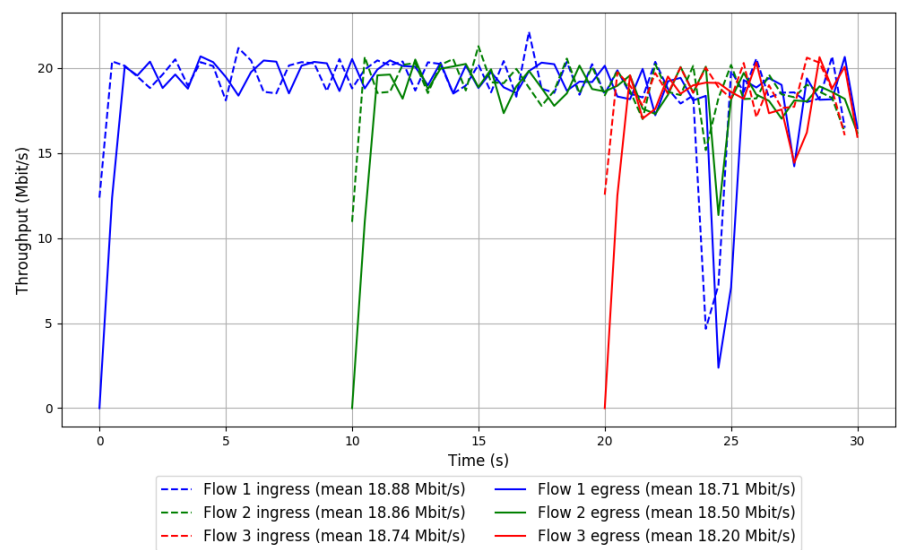
Run 8: Statistics of Sprout

Start at: 2018-06-05 13:40:14  
End at: 2018-06-05 13:40:44  
Local clock offset: 0.53 ms  
Remote clock offset: -3.08 ms

# Below is generated by plot.py at 2018-06-05 14:49:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 37.04 Mbit/s  
95th percentile per-packet one-way delay: 13.597 ms  
Loss rate: 1.52%  
-- Flow 1:  
Average throughput: 18.71 Mbit/s  
95th percentile per-packet one-way delay: 13.336 ms  
Loss rate: 0.88%  
-- Flow 2:  
Average throughput: 18.50 Mbit/s  
95th percentile per-packet one-way delay: 13.365 ms  
Loss rate: 1.86%  
-- Flow 3:  
Average throughput: 18.20 Mbit/s  
95th percentile per-packet one-way delay: 14.846 ms  
Loss rate: 2.79%



Run 8: Report of Sprout — Data Link

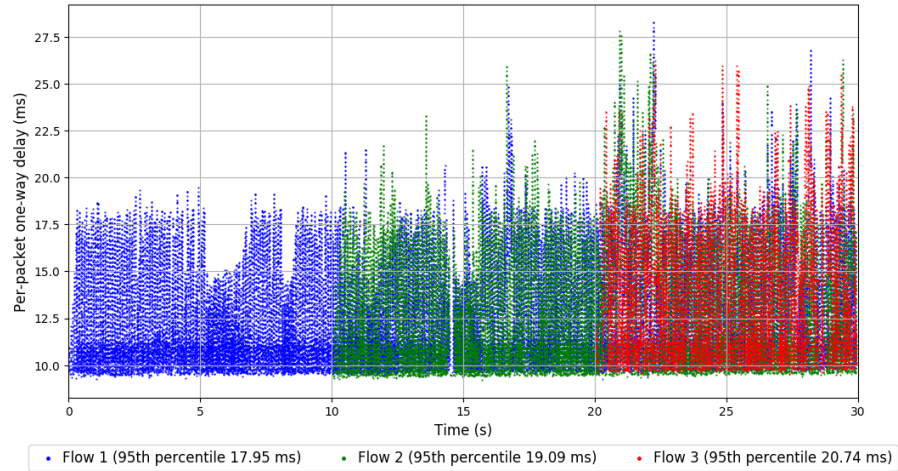
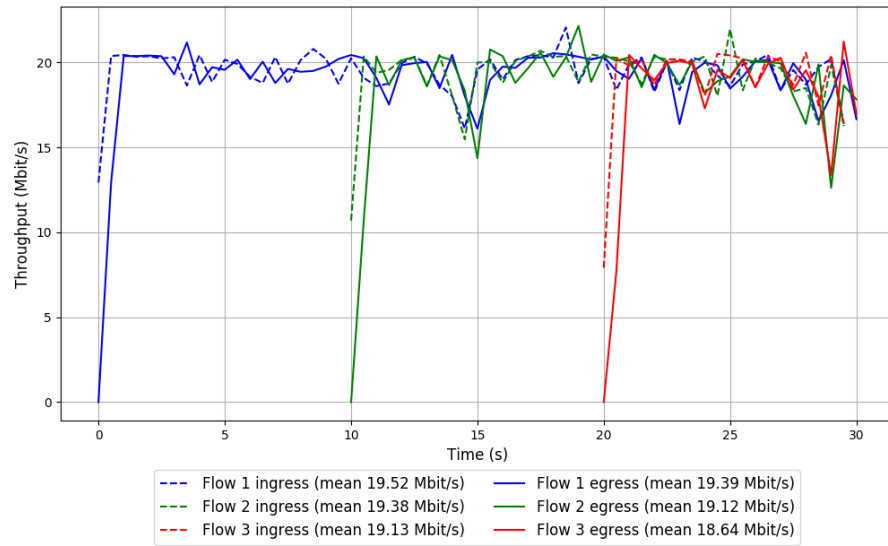


Run 9: Statistics of Sprout

Start at: 2018-06-05 13:59:15  
End at: 2018-06-05 13:59:46  
Local clock offset: -5.219 ms  
Remote clock offset: -11.971 ms

# Below is generated by plot.py at 2018-06-05 14:49:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 38.26 Mbit/s  
95th percentile per-packet one-way delay: 18.831 ms  
Loss rate: 1.19%  
-- Flow 1:  
Average throughput: 19.39 Mbit/s  
95th percentile per-packet one-way delay: 17.946 ms  
Loss rate: 0.67%  
-- Flow 2:  
Average throughput: 19.12 Mbit/s  
95th percentile per-packet one-way delay: 19.089 ms  
Loss rate: 1.31%  
-- Flow 3:  
Average throughput: 18.64 Mbit/s  
95th percentile per-packet one-way delay: 20.742 ms  
Loss rate: 2.56%

## Run 9: Report of Sprout — Data Link

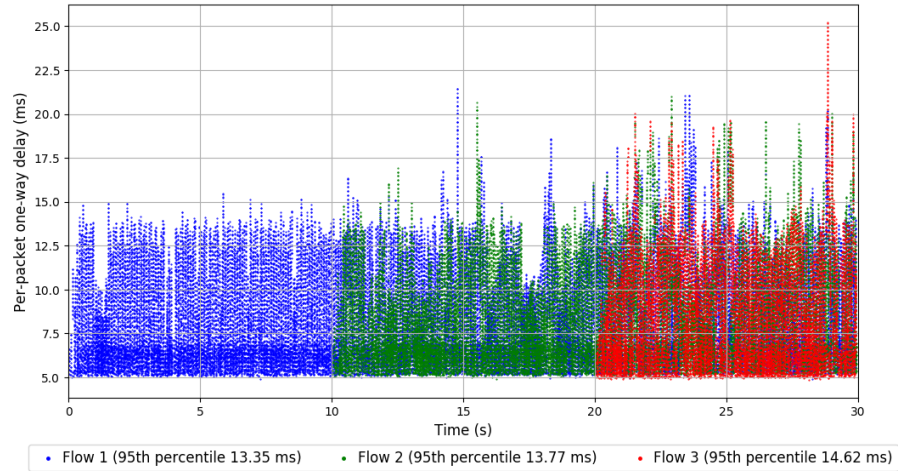
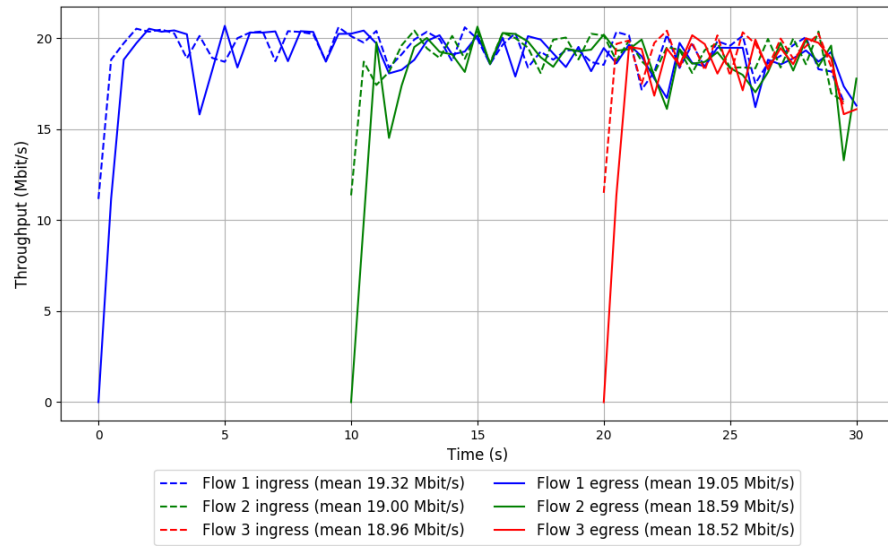


Run 10: Statistics of Sprout

Start at: 2018-06-05 14:17:52  
End at: 2018-06-05 14:18:22  
Local clock offset: -0.407 ms  
Remote clock offset: -19.557 ms

# Below is generated by plot.py at 2018-06-05 14:49:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 37.54 Mbit/s  
95th percentile per-packet one-way delay: 13.612 ms  
Loss rate: 1.81%  
-- Flow 1:  
Average throughput: 19.05 Mbit/s  
95th percentile per-packet one-way delay: 13.347 ms  
Loss rate: 1.40%  
-- Flow 2:  
Average throughput: 18.59 Mbit/s  
95th percentile per-packet one-way delay: 13.772 ms  
Loss rate: 2.18%  
-- Flow 3:  
Average throughput: 18.52 Mbit/s  
95th percentile per-packet one-way delay: 14.622 ms  
Loss rate: 2.31%

# Run 10: Report of Sprout — Data Link

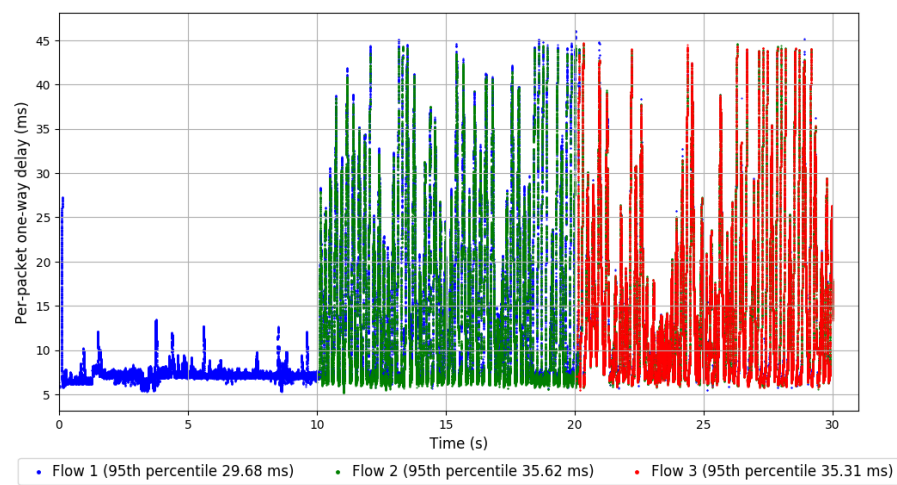
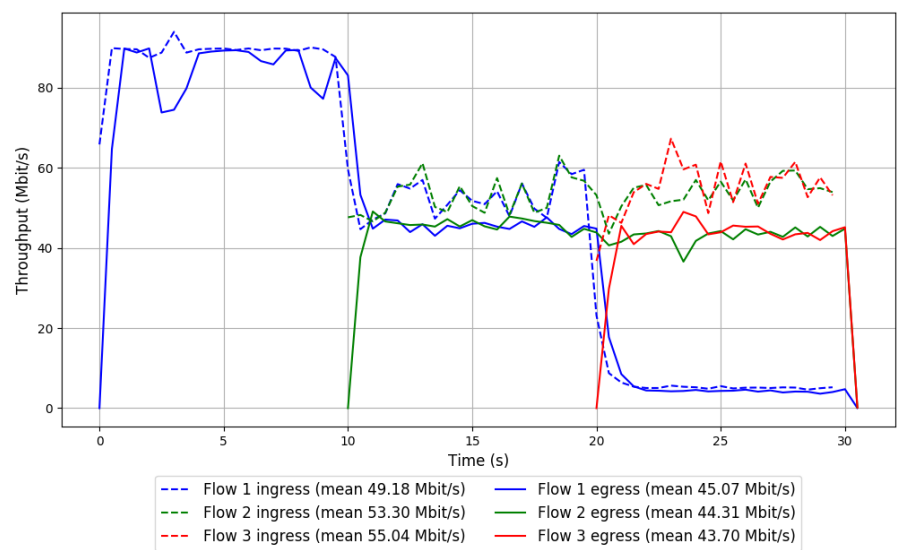


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-06-05 11:40:18
End at: 2018-06-05 11:40:48
Local clock offset: -5.065 ms
Remote clock offset: -18.028 ms

# Below is generated by plot.py at 2018-06-05 14:50:41
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.11 Mbit/s
95th percentile per-packet one-way delay: 33.424 ms
Loss rate: 13.43%
-- Flow 1:
Average throughput: 45.07 Mbit/s
95th percentile per-packet one-way delay: 29.683 ms
Loss rate: 8.33%
-- Flow 2:
Average throughput: 44.31 Mbit/s
95th percentile per-packet one-way delay: 35.623 ms
Loss rate: 16.85%
-- Flow 3:
Average throughput: 43.70 Mbit/s
95th percentile per-packet one-way delay: 35.306 ms
Loss rate: 20.51%
```

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



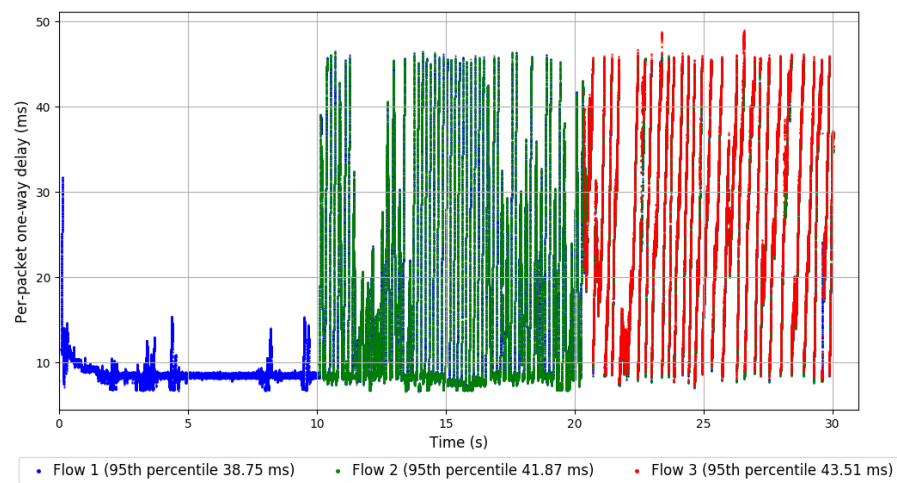
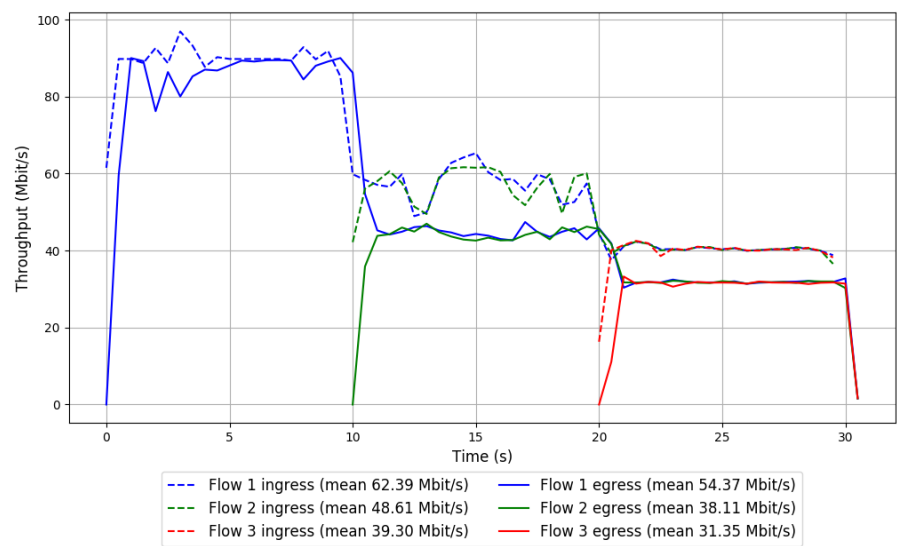
Run 2: Statistics of TaoVA-100x

Start at: 2018-06-05 11:59:42  
End at: 2018-06-05 12:00:12  
Local clock offset: -0.981 ms  
Remote clock offset: -8.131 ms

# Below is generated by plot.py at 2018-06-05 14:50:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.00 Mbit/s  
95th percentile per-packet one-way delay: 41.051 ms  
Loss rate: 16.47%  
-- Flow 1:  
Average throughput: 54.37 Mbit/s  
95th percentile per-packet one-way delay: 38.746 ms  
Loss rate: 12.77%  
-- Flow 2:  
Average throughput: 38.11 Mbit/s  
95th percentile per-packet one-way delay: 41.868 ms  
Loss rate: 21.50%  
-- Flow 3:  
Average throughput: 31.35 Mbit/s  
95th percentile per-packet one-way delay: 43.507 ms  
Loss rate: 21.62%



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

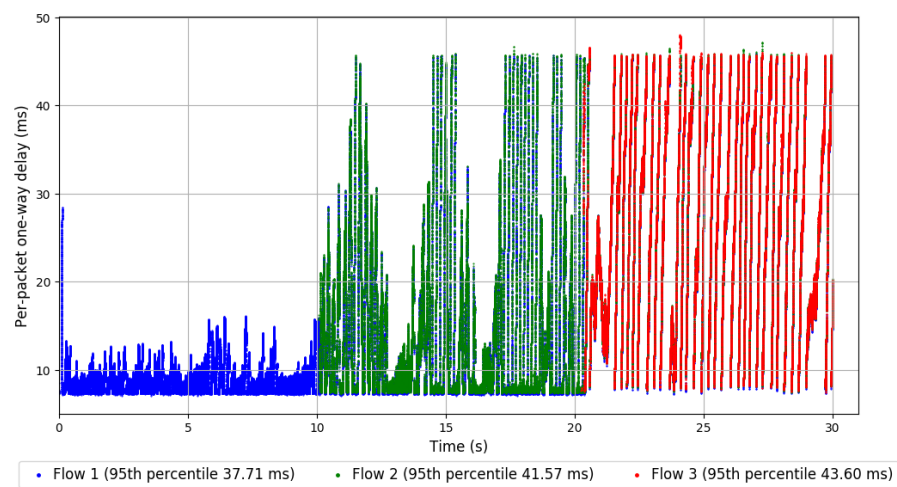
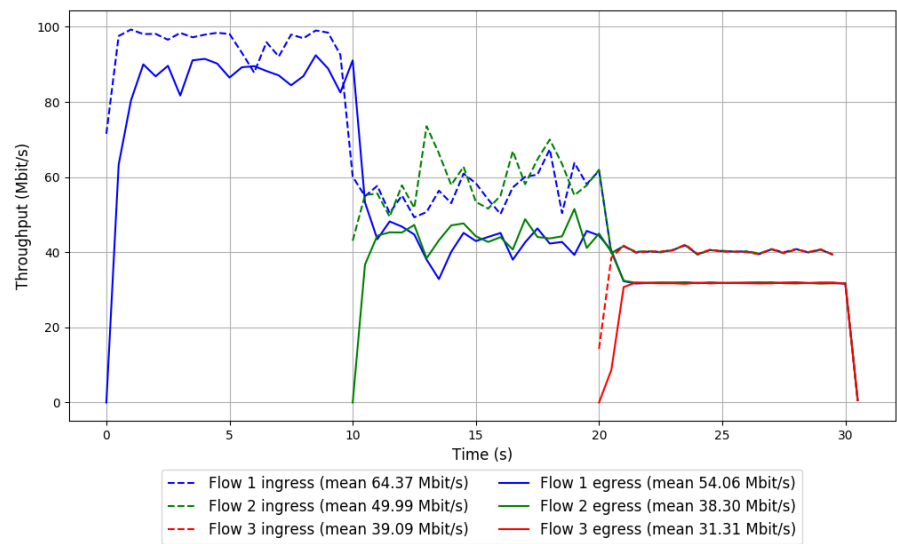


Run 3: Statistics of TaoVA-100x

Start at: 2018-06-05 12:18:32  
End at: 2018-06-05 12:19:02  
Local clock offset: -1.145 ms  
Remote clock offset: -5.254 ms

# Below is generated by plot.py at 2018-06-05 14:50:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.79 Mbit/s  
95th percentile per-packet one-way delay: 40.325 ms  
Loss rate: 18.83%  
-- Flow 1:  
Average throughput: 54.06 Mbit/s  
95th percentile per-packet one-way delay: 37.708 ms  
Loss rate: 15.99%  
-- Flow 2:  
Average throughput: 38.30 Mbit/s  
95th percentile per-packet one-way delay: 41.567 ms  
Loss rate: 23.33%  
-- Flow 3:  
Average throughput: 31.31 Mbit/s  
95th percentile per-packet one-way delay: 43.598 ms  
Loss rate: 21.42%

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

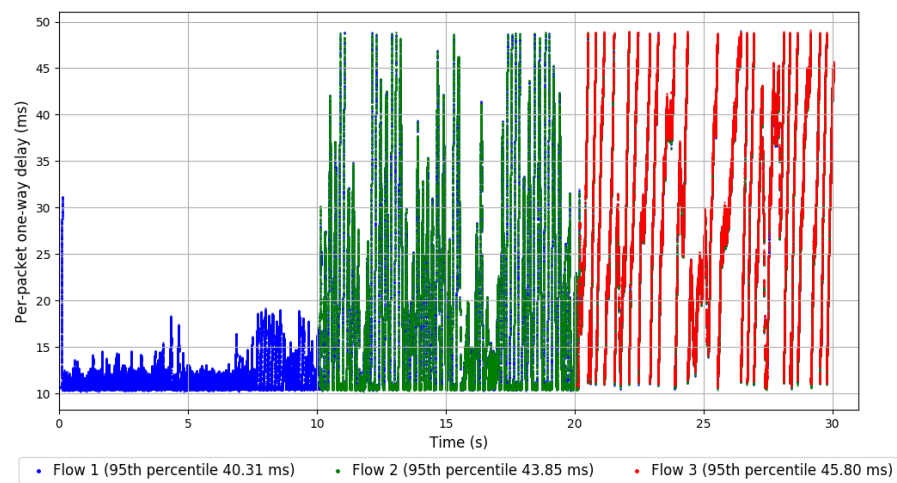
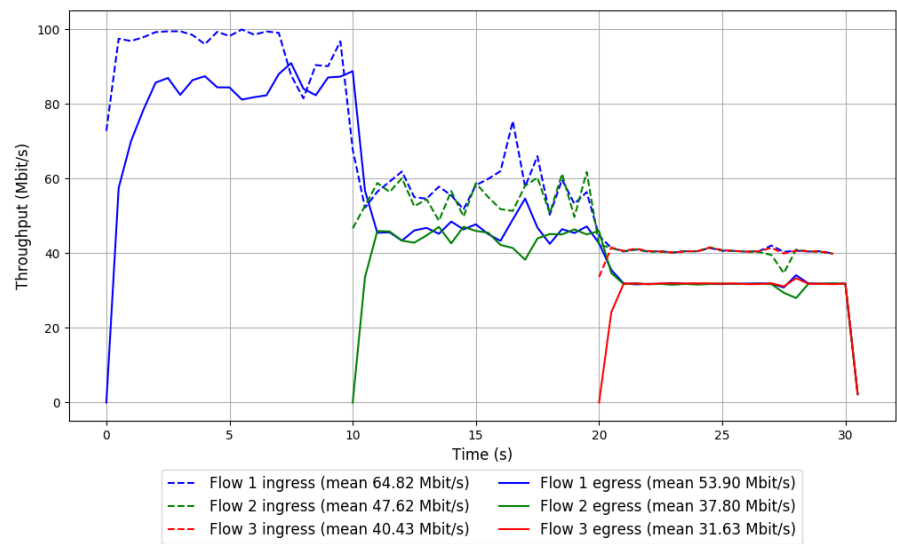


Run 4: Statistics of TaoVA-100x

Start at: 2018-06-05 12:37:34  
End at: 2018-06-05 12:38:04  
Local clock offset: -2.845 ms  
Remote clock offset: -2.488 ms

# Below is generated by plot.py at 2018-06-05 14:50:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.62 Mbit/s  
95th percentile per-packet one-way delay: 42.831 ms  
Loss rate: 18.42%  
-- Flow 1:  
Average throughput: 53.90 Mbit/s  
95th percentile per-packet one-way delay: 40.314 ms  
Loss rate: 16.75%  
-- Flow 2:  
Average throughput: 37.80 Mbit/s  
95th percentile per-packet one-way delay: 43.854 ms  
Loss rate: 20.52%  
-- Flow 3:  
Average throughput: 31.63 Mbit/s  
95th percentile per-packet one-way delay: 45.804 ms  
Loss rate: 21.55%

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

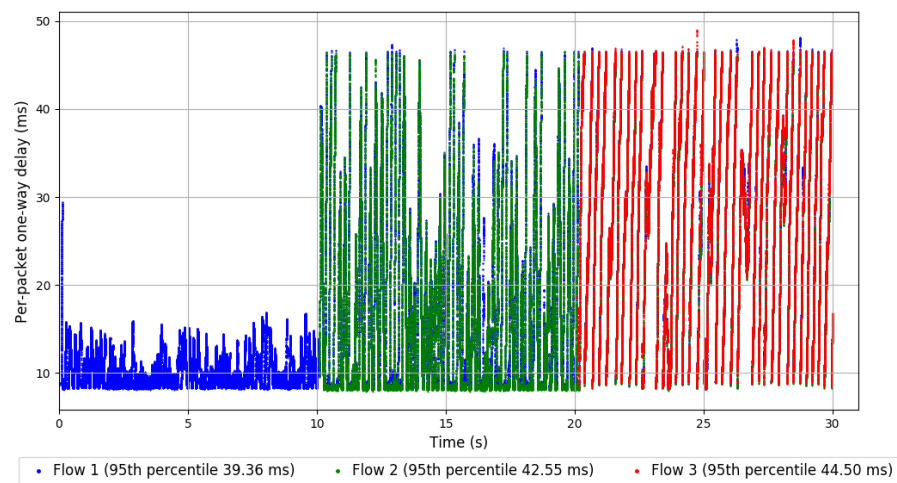
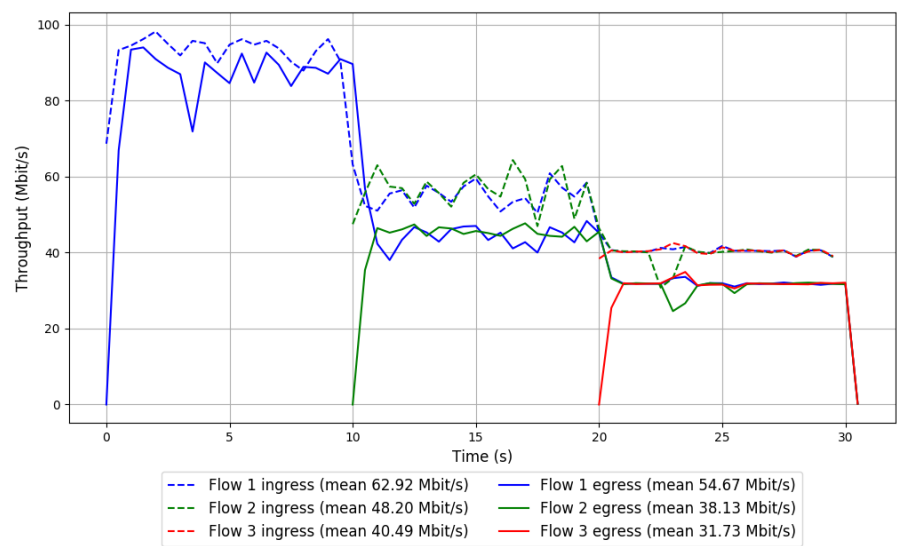


Run 5: Statistics of TaoVA-100x

Start at: 2018-06-05 12:56:23  
End at: 2018-06-05 12:56:53  
Local clock offset: 0.81 ms  
Remote clock offset: -3.392 ms

# Below is generated by plot.py at 2018-06-05 14:51:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.63 Mbit/s  
95th percentile per-packet one-way delay: 41.776 ms  
Loss rate: 16.45%  
-- Flow 1:  
Average throughput: 54.67 Mbit/s  
95th percentile per-packet one-way delay: 39.357 ms  
Loss rate: 13.09%  
-- Flow 2:  
Average throughput: 38.13 Mbit/s  
95th percentile per-packet one-way delay: 42.547 ms  
Loss rate: 20.87%  
-- Flow 3:  
Average throughput: 31.73 Mbit/s  
95th percentile per-packet one-way delay: 44.503 ms  
Loss rate: 21.58%

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



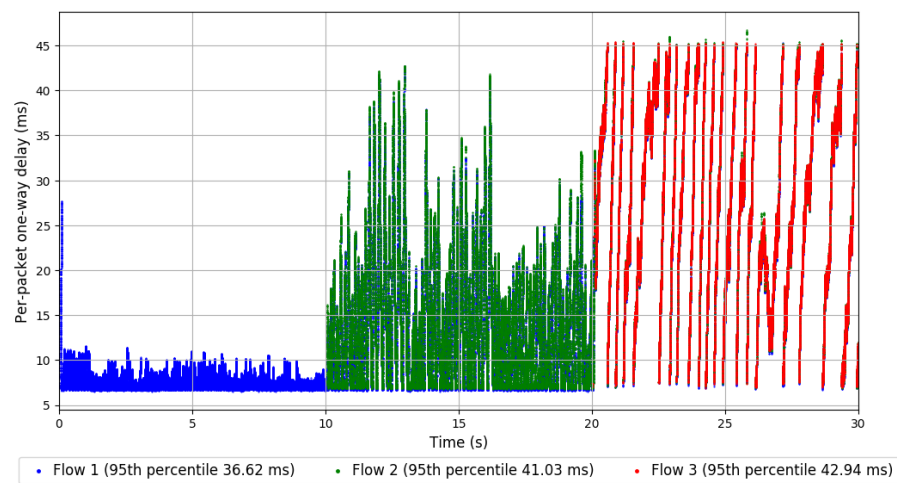
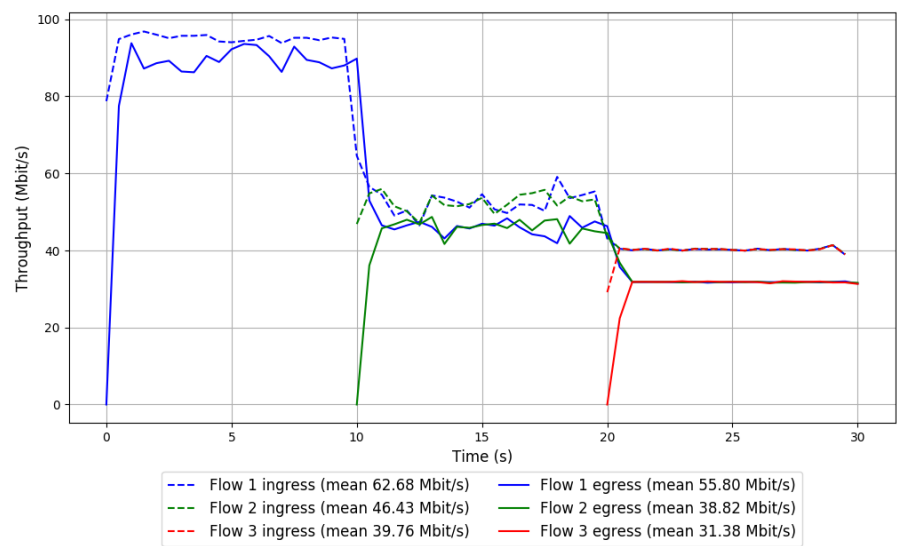
Run 6: Statistics of TaoVA-100x

Start at: 2018-06-05 13:15:20  
End at: 2018-06-05 13:15:50  
Local clock offset: 2.22 ms  
Remote clock offset: -2.454 ms

# Below is generated by plot.py at 2018-06-05 14:51:11  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.12 Mbit/s  
95th percentile per-packet one-way delay: 40.283 ms  
Loss rate: 13.78%  
-- Flow 1:  
Average throughput: 55.80 Mbit/s  
95th percentile per-packet one-way delay: 36.624 ms  
Loss rate: 10.97%  
-- Flow 2:  
Average throughput: 38.82 Mbit/s  
95th percentile per-packet one-way delay: 41.030 ms  
Loss rate: 16.37%  
-- Flow 3:  
Average throughput: 31.38 Mbit/s  
95th percentile per-packet one-way delay: 42.935 ms  
Loss rate: 21.04%



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



Run 7: Statistics of TaoVA-100x

Start at: 2018-06-05 13:34:15

End at: 2018-06-05 13:34:45

Local clock offset: 2.166 ms

Remote clock offset: -4.2 ms

# Below is generated by plot.py at 2018-06-05 14:51:16

# Datalink statistics

-- Total of 3 flows:

Average throughput: 92.23 Mbit/s

95th percentile per-packet one-way delay: 36.372 ms

Loss rate: 11.94%

-- Flow 1:

Average throughput: 55.65 Mbit/s

95th percentile per-packet one-way delay: 33.477 ms

Loss rate: 9.09%

-- Flow 2:

Average throughput: 39.11 Mbit/s

95th percentile per-packet one-way delay: 37.236 ms

Loss rate: 13.59%

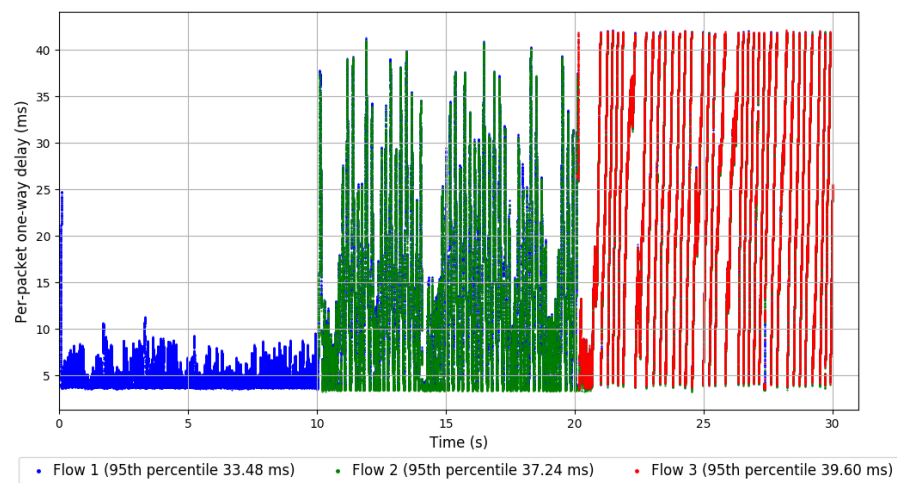
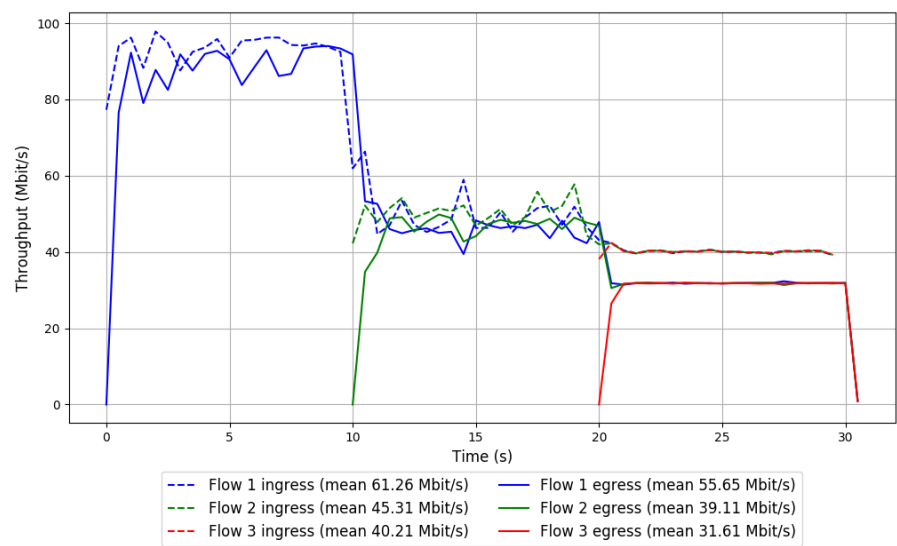
-- Flow 3:

Average throughput: 31.61 Mbit/s

95th percentile per-packet one-way delay: 39.605 ms

Loss rate: 21.23%

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

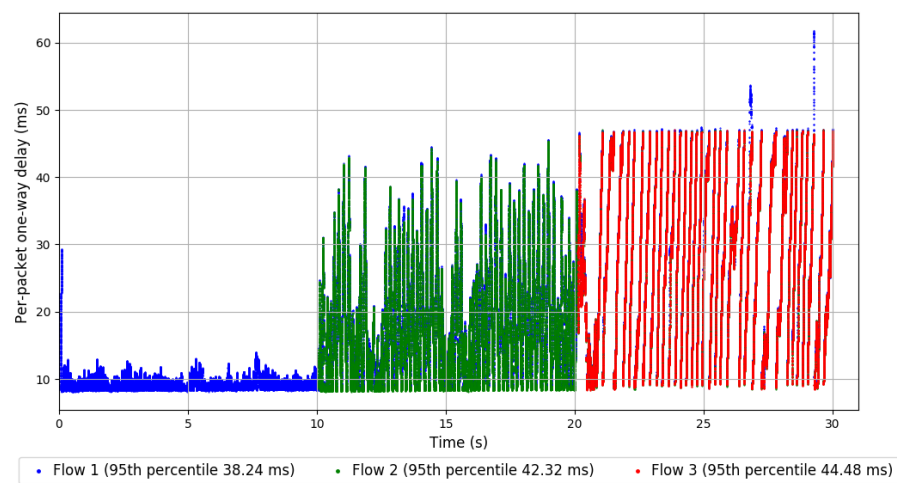
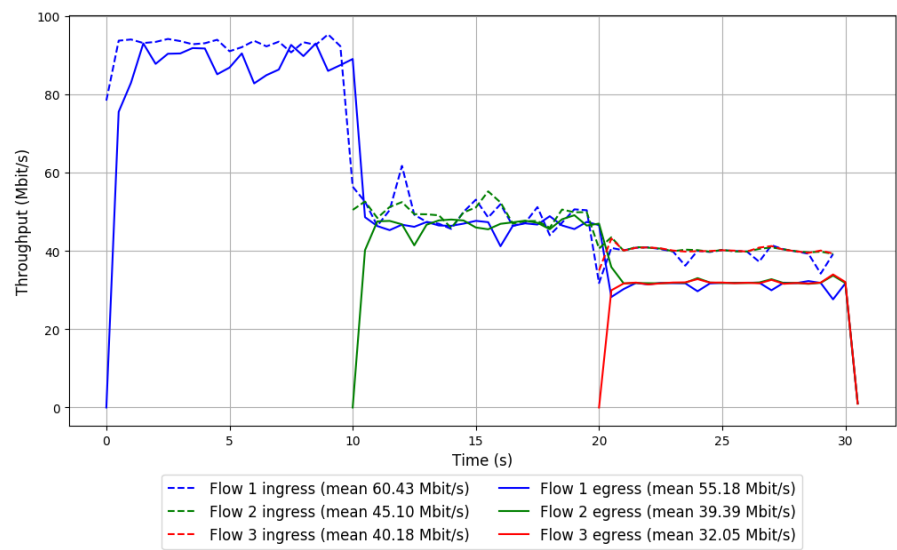


Run 8: Statistics of TaoVA-100x

Start at: 2018-06-05 13:53:01  
End at: 2018-06-05 13:53:31  
Local clock offset: -3.643 ms  
Remote clock offset: -6.309 ms

# Below is generated by plot.py at 2018-06-05 14:51:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 92.07 Mbit/s  
95th percentile per-packet one-way delay: 41.700 ms  
Loss rate: 11.28%  
-- Flow 1:  
Average throughput: 55.18 Mbit/s  
95th percentile per-packet one-way delay: 38.237 ms  
Loss rate: 8.63%  
-- Flow 2:  
Average throughput: 39.39 Mbit/s  
95th percentile per-packet one-way delay: 42.318 ms  
Loss rate: 12.60%  
-- Flow 3:  
Average throughput: 32.05 Mbit/s  
95th percentile per-packet one-way delay: 44.482 ms  
Loss rate: 20.28%

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

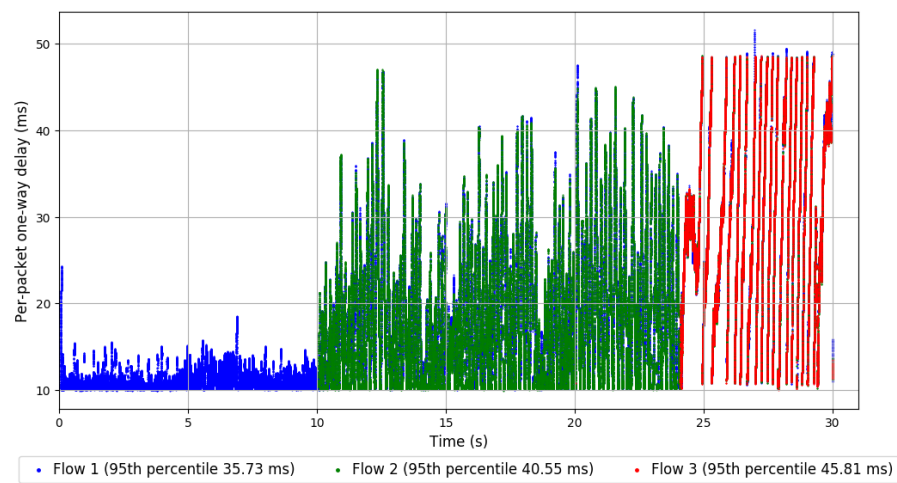
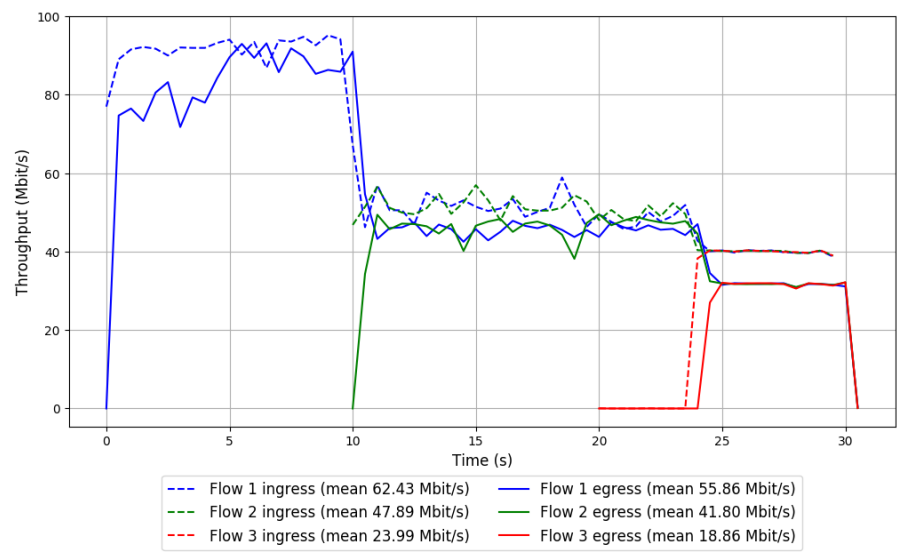


Run 9: Statistics of TaoVA-100x

Start at: 2018-06-05 14:11:56  
End at: 2018-06-05 14:12:26  
Local clock offset: -4.024 ms  
Remote clock offset: -16.601 ms

# Below is generated by plot.py at 2018-06-05 14:52:58  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.97 Mbit/s  
95th percentile per-packet one-way delay: 39.917 ms  
Loss rate: 12.05%  
-- Flow 1:  
Average throughput: 55.86 Mbit/s  
95th percentile per-packet one-way delay: 35.732 ms  
Loss rate: 10.53%  
-- Flow 2:  
Average throughput: 41.80 Mbit/s  
95th percentile per-packet one-way delay: 40.551 ms  
Loss rate: 12.71%  
-- Flow 3:  
Average throughput: 18.86 Mbit/s  
95th percentile per-packet one-way delay: 45.807 ms  
Loss rate: 21.34%

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



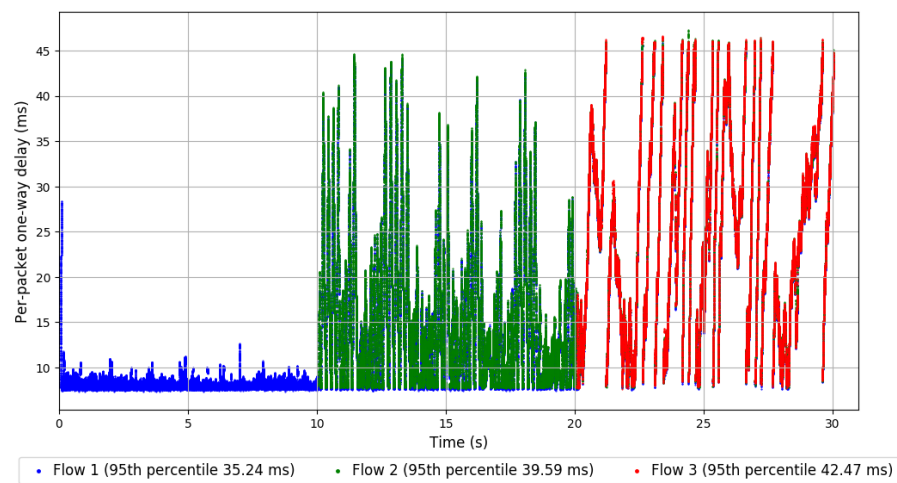
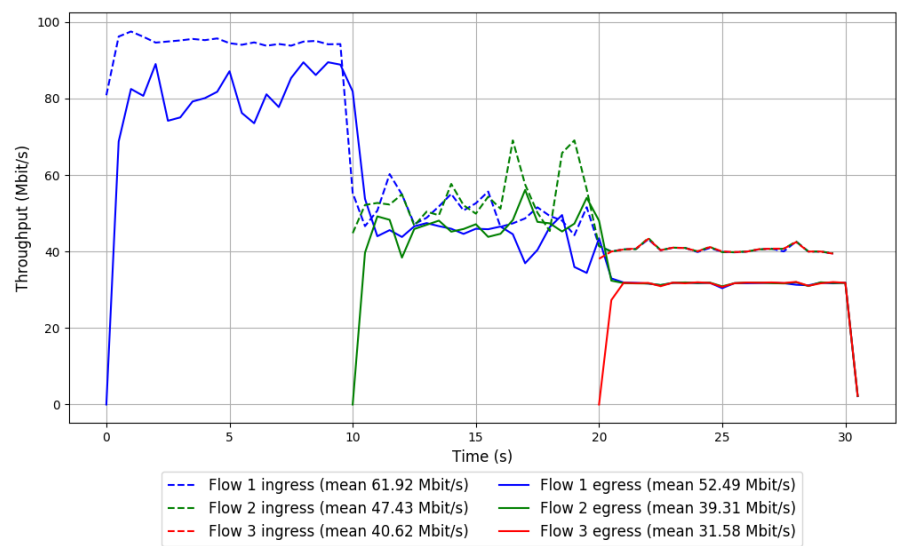
```
Run 10: Statistics of TaoVA-100x

Start at: 2018-06-05 14:30:30
End at: 2018-06-05 14:31:00
Local clock offset: -1.243 ms
Remote clock offset: -19.902 ms

# Below is generated by plot.py at 2018-06-05 14:53:07
# Datalink statistics
-- Total of 3 flows:
Average throughput: 89.21 Mbit/s
95th percentile per-packet one-way delay: 38.648 ms
Loss rate: 16.54%
-- Flow 1:
Average throughput: 52.49 Mbit/s
95th percentile per-packet one-way delay: 35.240 ms
Loss rate: 15.12%
-- Flow 2:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 39.595 ms
Loss rate: 16.97%
-- Flow 3:
Average throughput: 31.58 Mbit/s
95th percentile per-packet one-way delay: 42.474 ms
Loss rate: 22.02%
```



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

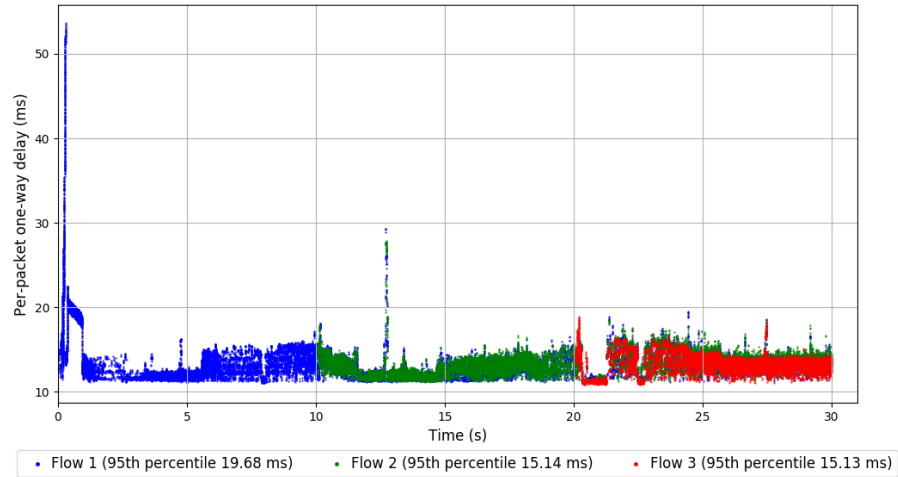
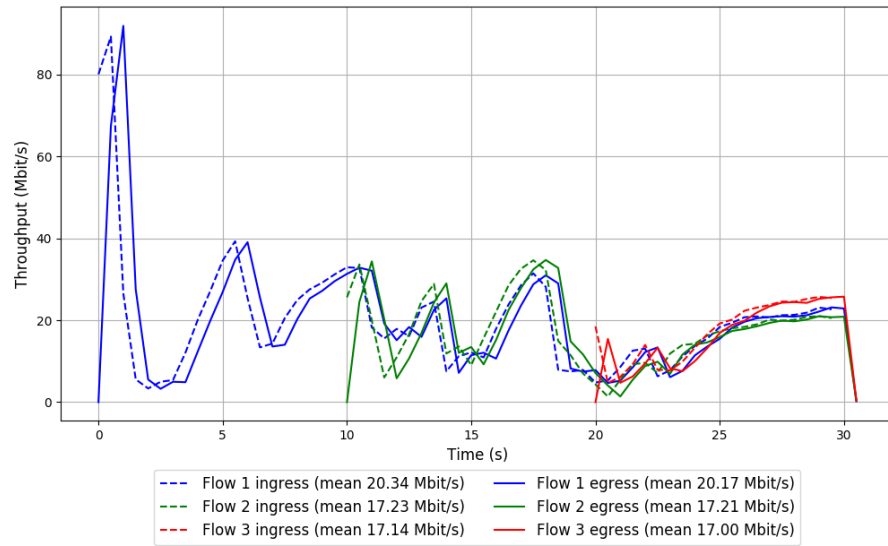


Run 1: Statistics of TCP Vegas

Start at: 2018-06-05 11:26:27  
End at: 2018-06-05 11:26:57  
Local clock offset: 1.381 ms  
Remote clock offset: -10.15 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 37.29 Mbit/s  
95th percentile per-packet one-way delay: 18.727 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 20.17 Mbit/s  
95th percentile per-packet one-way delay: 19.677 ms  
Loss rate: 0.82%  
-- Flow 2:  
Average throughput: 17.21 Mbit/s  
95th percentile per-packet one-way delay: 15.137 ms  
Loss rate: 0.11%  
-- Flow 3:  
Average throughput: 17.00 Mbit/s  
95th percentile per-packet one-way delay: 15.126 ms  
Loss rate: 0.82%

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

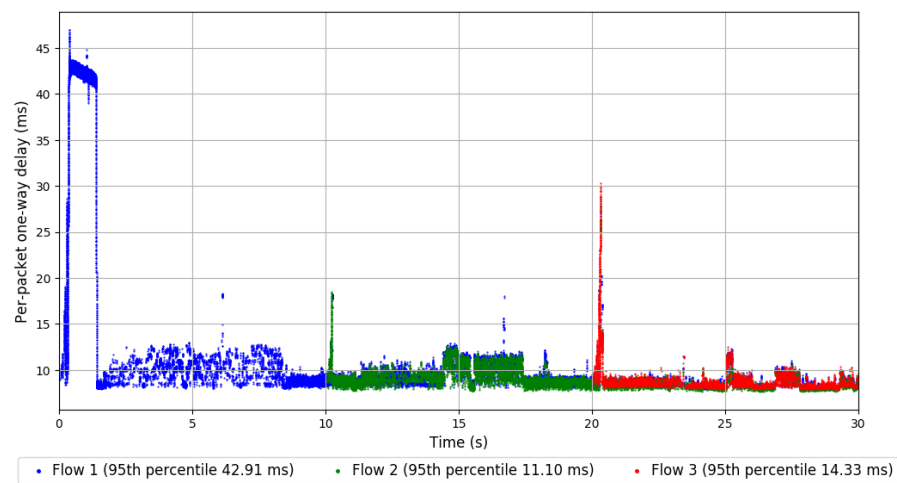
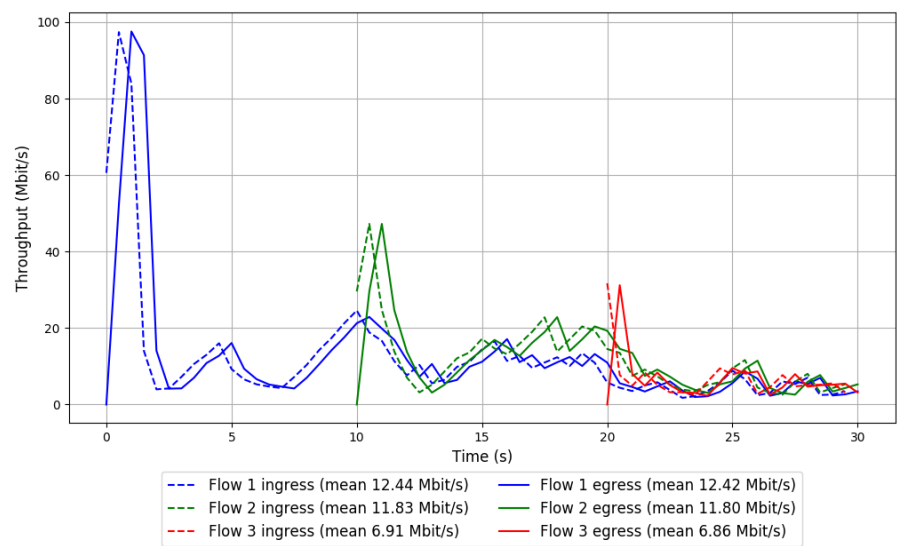


Run 2: Statistics of TCP Vegas

Start at: 2018-06-05 11:45:31  
End at: 2018-06-05 11:46:01  
Local clock offset: -0.218 ms  
Remote clock offset: -8.646 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 22.55 Mbit/s  
95th percentile per-packet one-way delay: 42.647 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 12.42 Mbit/s  
95th percentile per-packet one-way delay: 42.909 ms  
Loss rate: 0.22%  
-- Flow 2:  
Average throughput: 11.80 Mbit/s  
95th percentile per-packet one-way delay: 11.098 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 6.86 Mbit/s  
95th percentile per-packet one-way delay: 14.329 ms  
Loss rate: 0.70%

Run 2: Report of TCP Vegas — Data Link

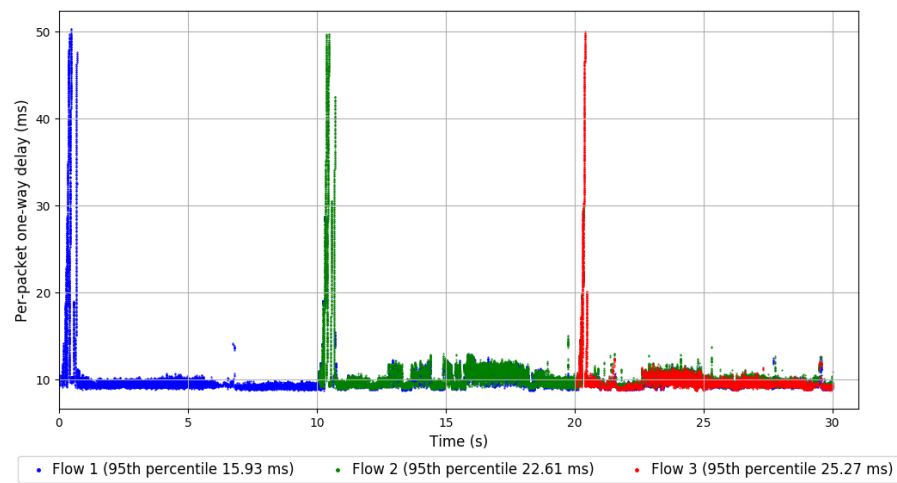
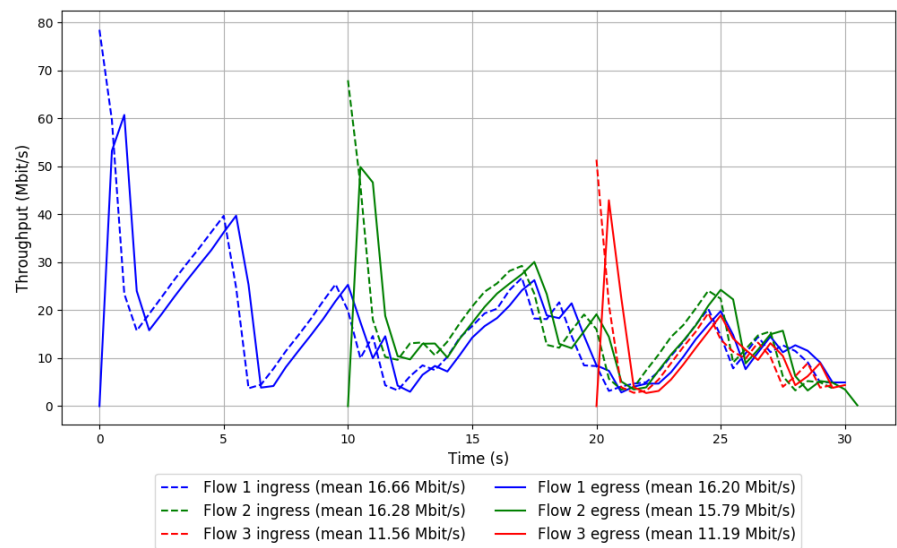


Run 3: Statistics of TCP Vegas

Start at: 2018-06-05 12:04:34  
End at: 2018-06-05 12:05:04  
Local clock offset: -1.403 ms  
Remote clock offset: -6.335 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 30.44 Mbit/s  
95th percentile per-packet one-way delay: 19.398 ms  
Loss rate: 2.91%  
-- Flow 1:  
Average throughput: 16.20 Mbit/s  
95th percentile per-packet one-way delay: 15.932 ms  
Loss rate: 2.79%  
-- Flow 2:  
Average throughput: 15.79 Mbit/s  
95th percentile per-packet one-way delay: 22.613 ms  
Loss rate: 2.98%  
-- Flow 3:  
Average throughput: 11.19 Mbit/s  
95th percentile per-packet one-way delay: 25.266 ms  
Loss rate: 3.21%

Run 3: Report of TCP Vegas — Data Link



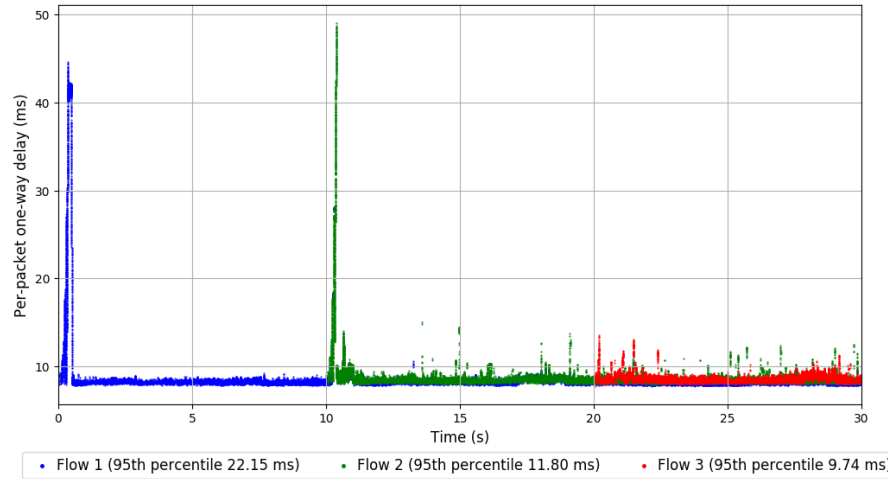
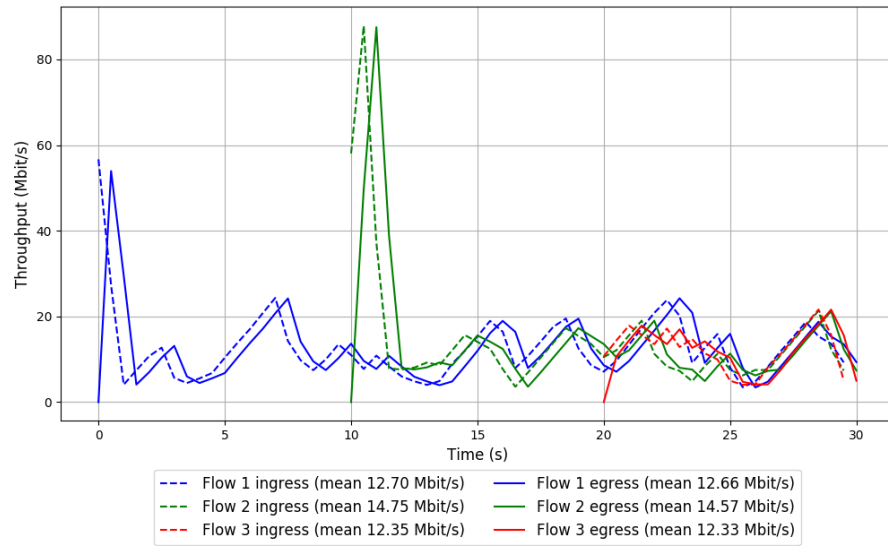
Run 4: Statistics of TCP Vegas

Start at: 2018-06-05 12:23:34  
End at: 2018-06-05 12:24:04  
Local clock offset: -0.971 ms  
Remote clock offset: -3.743 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 26.46 Mbit/s  
95th percentile per-packet one-way delay: 12.140 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 12.66 Mbit/s  
95th percentile per-packet one-way delay: 22.153 ms  
Loss rate: 0.32%  
-- Flow 2:  
Average throughput: 14.57 Mbit/s  
95th percentile per-packet one-way delay: 11.800 ms  
Loss rate: 1.23%  
-- Flow 3:  
Average throughput: 12.33 Mbit/s  
95th percentile per-packet one-way delay: 9.738 ms  
Loss rate: 0.13%



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

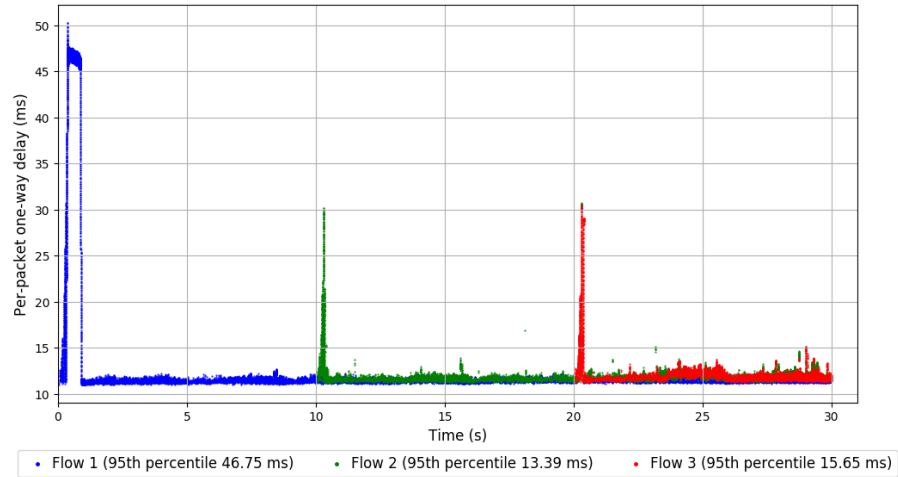
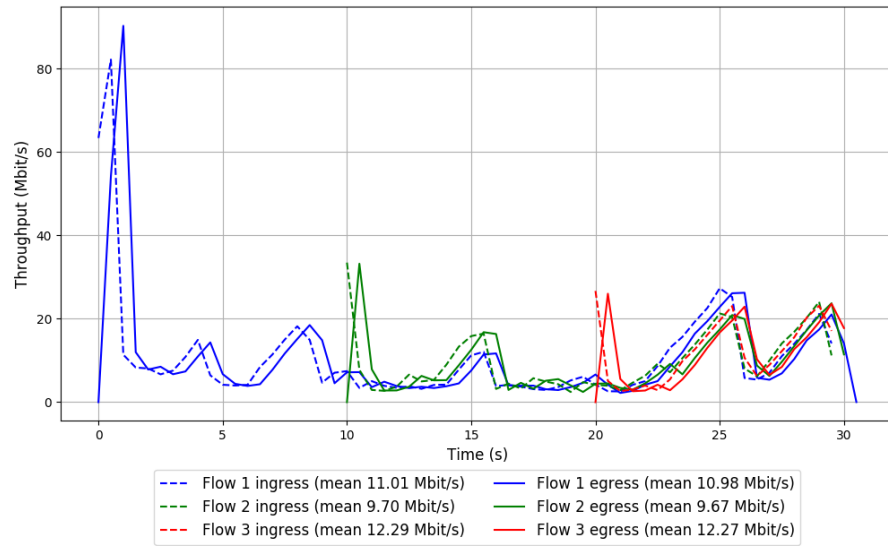


Run 5: Statistics of TCP Vegas

Start at: 2018-06-05 12:42:29  
End at: 2018-06-05 12:42:59  
Local clock offset: -2.25 ms  
Remote clock offset: -1.598 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 21.50 Mbit/s  
95th percentile per-packet one-way delay: 46.403 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 10.98 Mbit/s  
95th percentile per-packet one-way delay: 46.749 ms  
Loss rate: 0.28%  
-- Flow 2:  
Average throughput: 9.67 Mbit/s  
95th percentile per-packet one-way delay: 13.386 ms  
Loss rate: 0.33%  
-- Flow 3:  
Average throughput: 12.27 Mbit/s  
95th percentile per-packet one-way delay: 15.647 ms  
Loss rate: 0.20%

# Run 5: Report of TCP Vegas — Data Link

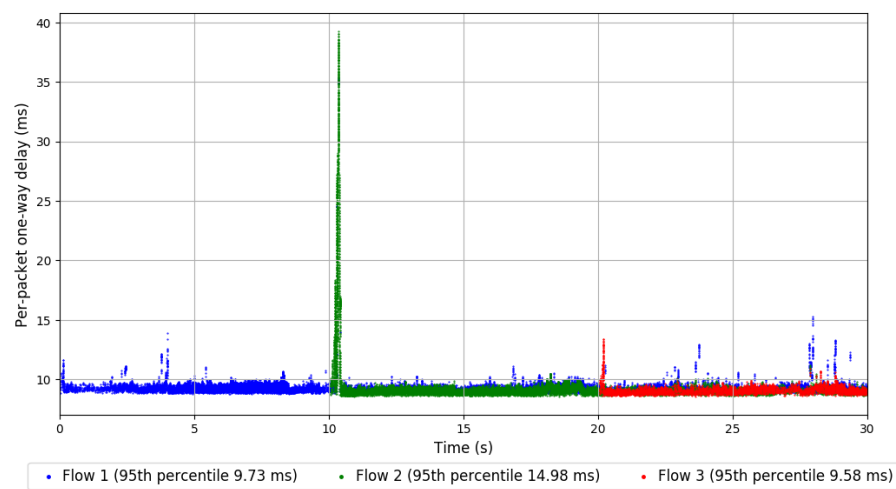
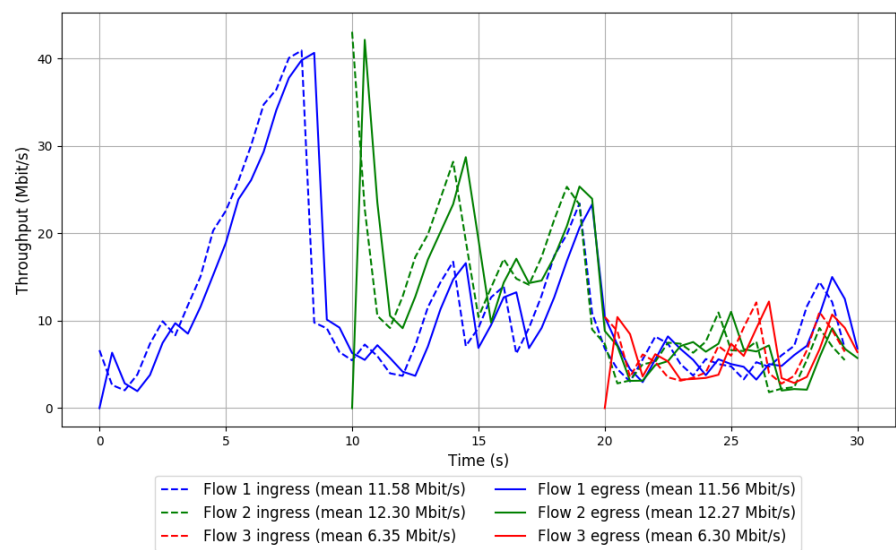


Run 6: Statistics of TCP Vegas

Start at: 2018-06-05 13:01:16  
End at: 2018-06-05 13:01:46  
Local clock offset: 1.077 ms  
Remote clock offset: -2.507 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 21.83 Mbit/s  
95th percentile per-packet one-way delay: 9.823 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 11.56 Mbit/s  
95th percentile per-packet one-way delay: 9.727 ms  
Loss rate: 0.16%  
-- Flow 2:  
Average throughput: 12.27 Mbit/s  
95th percentile per-packet one-way delay: 14.977 ms  
Loss rate: 0.20%  
-- Flow 3:  
Average throughput: 6.30 Mbit/s  
95th percentile per-packet one-way delay: 9.578 ms  
Loss rate: 0.72%

Run 6: Report of TCP Vegas — Data Link

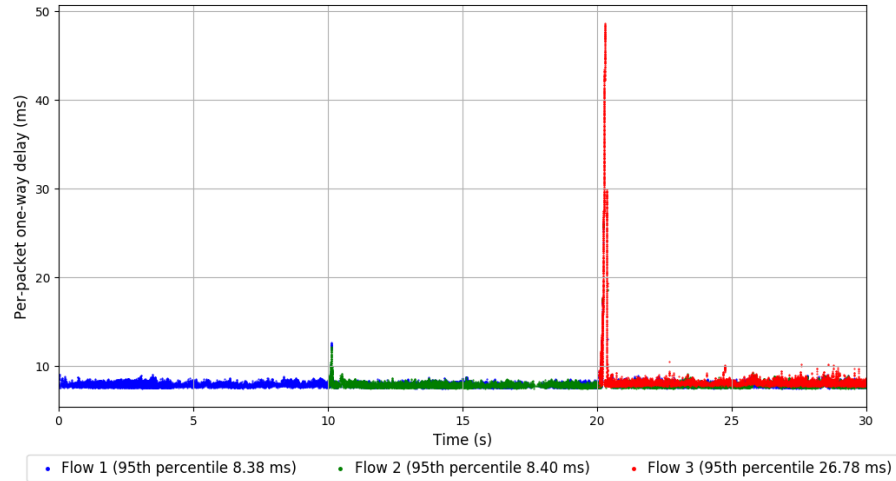
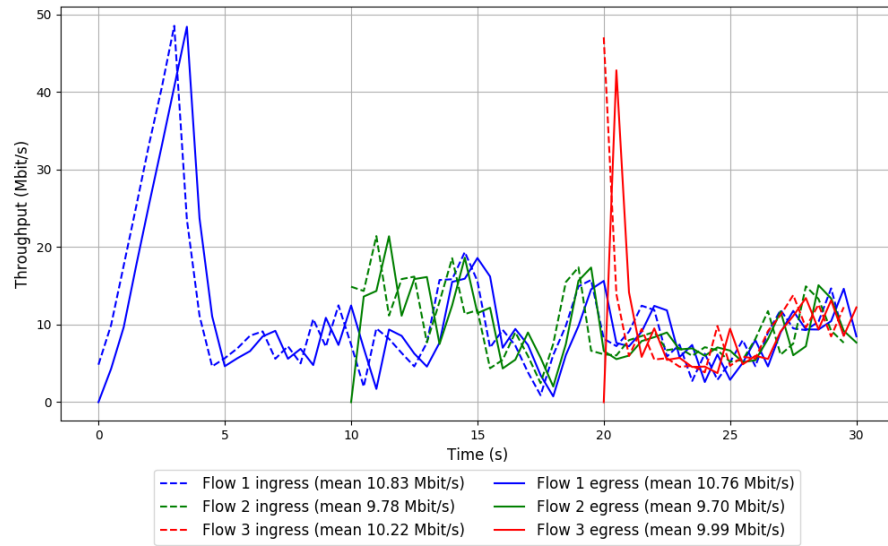


Run 7: Statistics of TCP Vegas

Start at: 2018-06-05 13:20:17  
End at: 2018-06-05 13:20:47  
Local clock offset: 0.373 ms  
Remote clock offset: -2.938 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 20.54 Mbit/s  
95th percentile per-packet one-way delay: 8.594 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 10.76 Mbit/s  
95th percentile per-packet one-way delay: 8.382 ms  
Loss rate: 0.67%  
-- Flow 2:  
Average throughput: 9.70 Mbit/s  
95th percentile per-packet one-way delay: 8.402 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 9.99 Mbit/s  
95th percentile per-packet one-way delay: 26.784 ms  
Loss rate: 2.24%

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



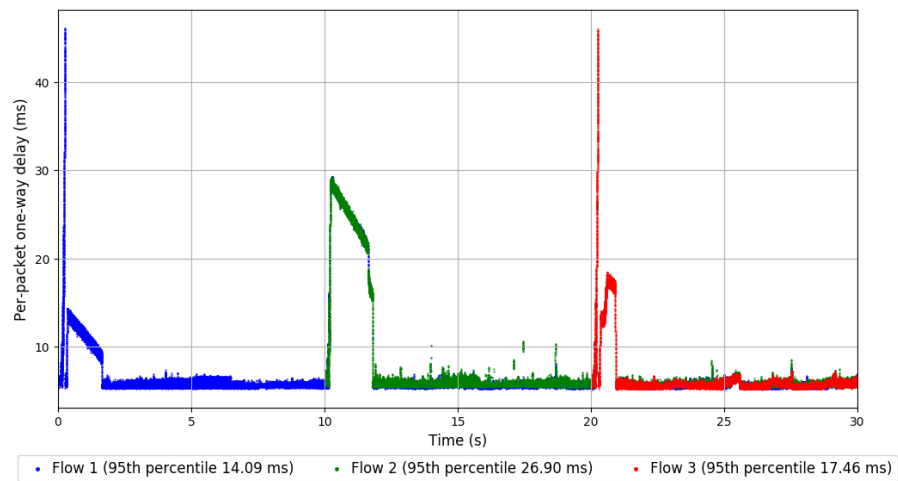
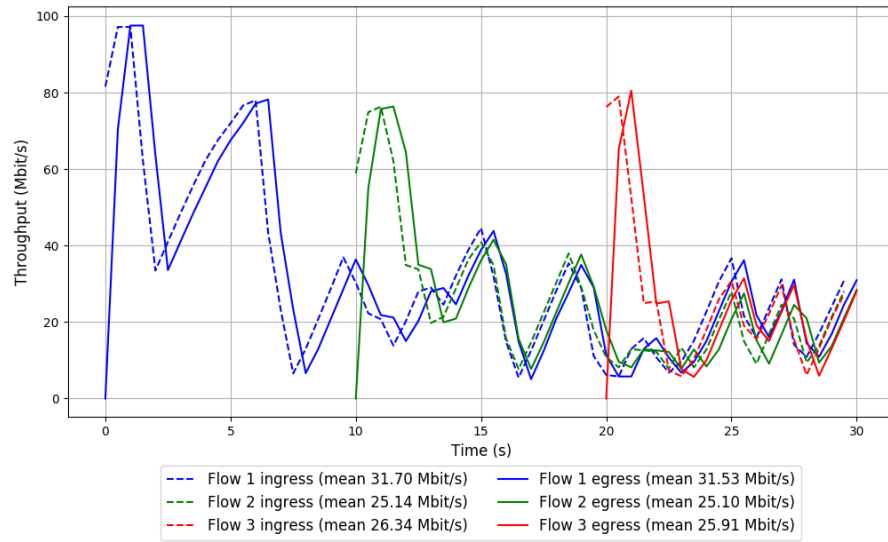
Run 8: Statistics of TCP Vegas

Start at: 2018-06-05 13:39:05  
End at: 2018-06-05 13:39:35  
Local clock offset: 0.094 ms  
Remote clock offset: -3.127 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 56.87 Mbit/s  
95th percentile per-packet one-way delay: 24.807 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 31.53 Mbit/s  
95th percentile per-packet one-way delay: 14.086 ms  
Loss rate: 0.53%  
-- Flow 2:  
Average throughput: 25.10 Mbit/s  
95th percentile per-packet one-way delay: 26.903 ms  
Loss rate: 0.19%  
-- Flow 3:  
Average throughput: 25.91 Mbit/s  
95th percentile per-packet one-way delay: 17.464 ms  
Loss rate: 1.65%



# Run 8: Report of TCP Vegas — Data Link

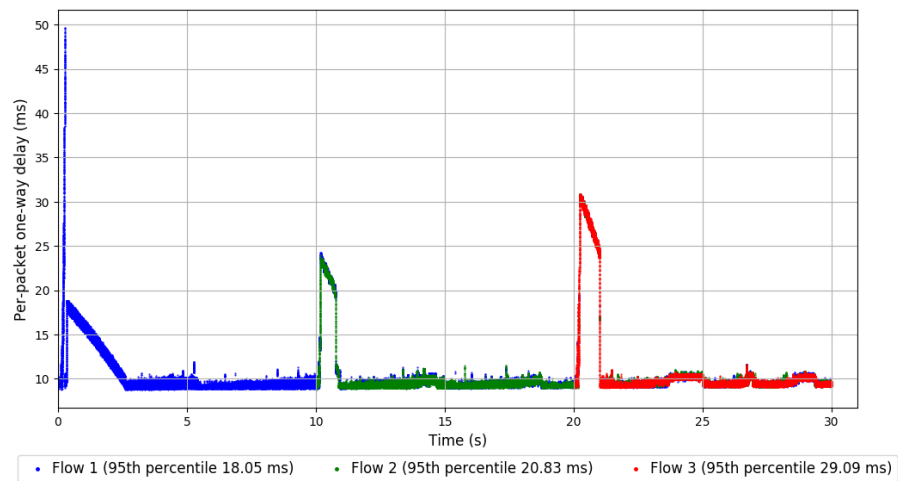
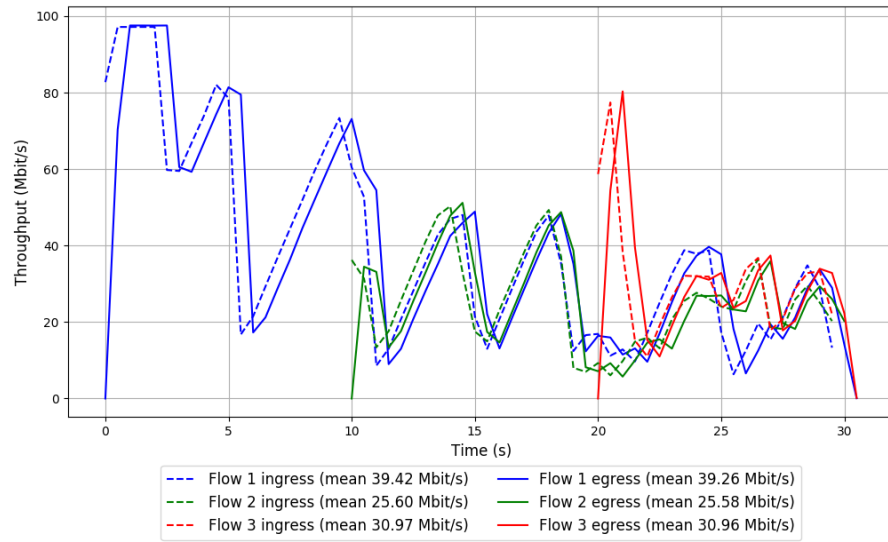


Run 9: Statistics of TCP Vegas

Start at: 2018-06-05 13:58:06  
End at: 2018-06-05 13:58:36  
Local clock offset: -4.647 ms  
Remote clock offset: -11.099 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 66.59 Mbit/s  
95th percentile per-packet one-way delay: 22.341 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 39.26 Mbit/s  
95th percentile per-packet one-way delay: 18.050 ms  
Loss rate: 0.40%  
-- Flow 2:  
Average throughput: 25.58 Mbit/s  
95th percentile per-packet one-way delay: 20.832 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 30.96 Mbit/s  
95th percentile per-packet one-way delay: 29.091 ms  
Loss rate: 0.04%

# Run 9: Report of TCP Vegas — Data Link

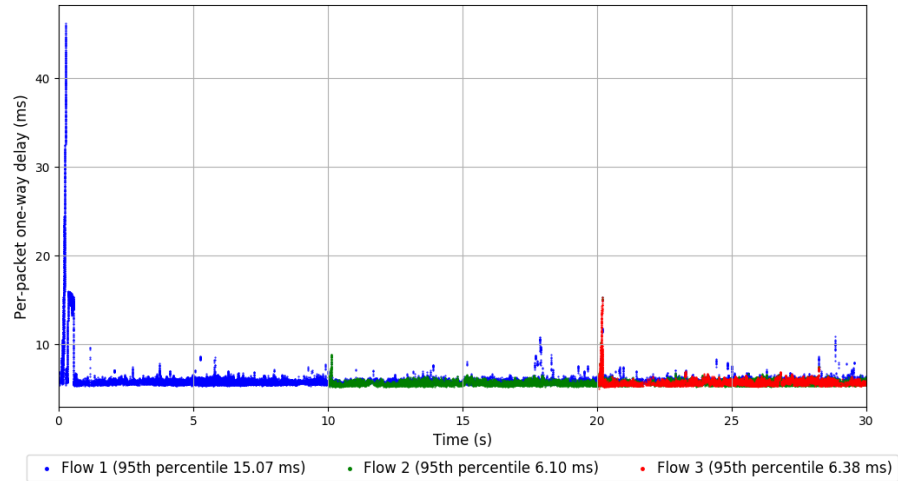
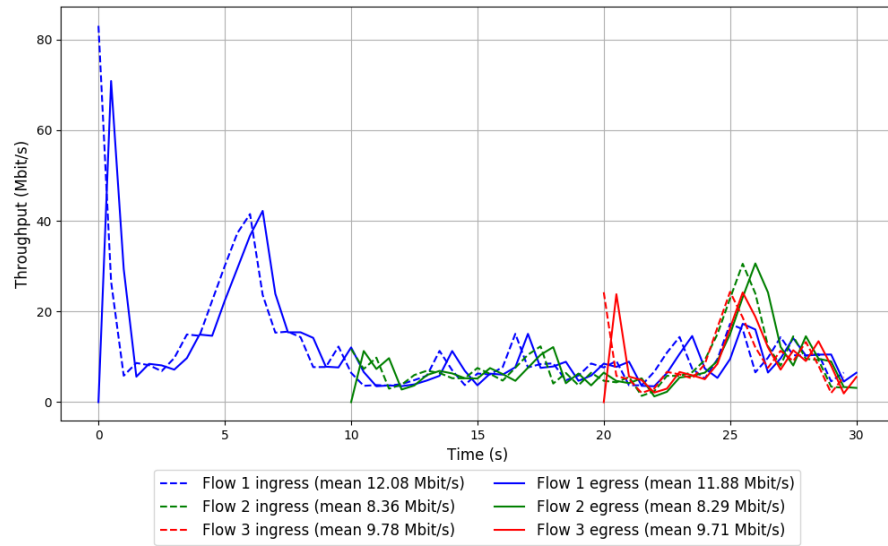


Run 10: Statistics of TCP Vegas

Start at: 2018-06-05 14:16:46  
End at: 2018-06-05 14:17:16  
Local clock offset: -0.956 ms  
Remote clock offset: -19.589 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 20.62 Mbit/s  
95th percentile per-packet one-way delay: 10.884 ms  
Loss rate: 1.30%  
-- Flow 1:  
Average throughput: 11.88 Mbit/s  
95th percentile per-packet one-way delay: 15.075 ms  
Loss rate: 1.67%  
-- Flow 2:  
Average throughput: 8.29 Mbit/s  
95th percentile per-packet one-way delay: 6.098 ms  
Loss rate: 0.85%  
-- Flow 3:  
Average throughput: 9.71 Mbit/s  
95th percentile per-packet one-way delay: 6.375 ms  
Loss rate: 0.70%

# Run 10: Report of TCP Vegas — Data Link

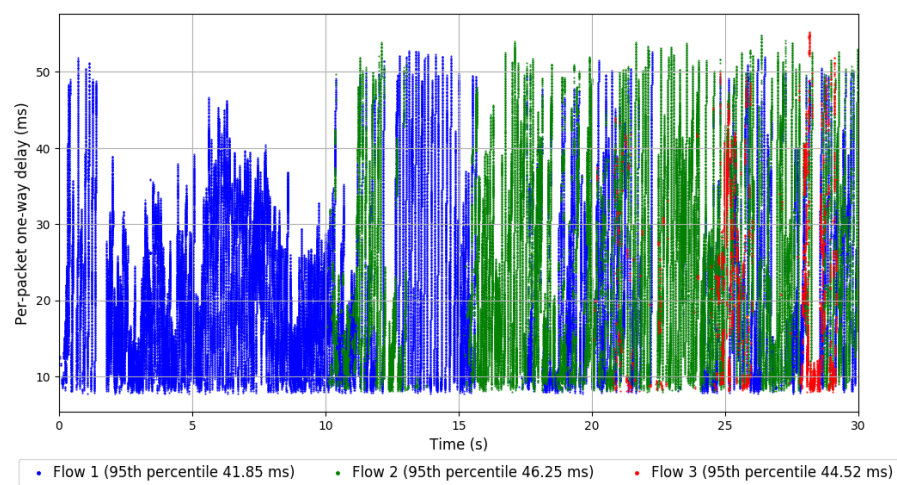
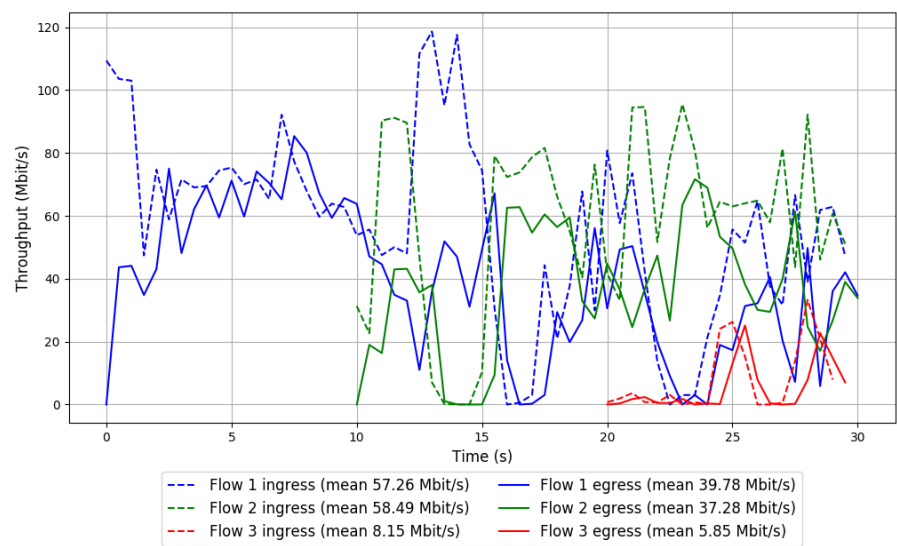


Run 1: Statistics of Verus

Start at: 2018-06-05 11:25:16  
End at: 2018-06-05 11:25:46  
Local clock offset: 0.156 ms  
Remote clock offset: -14.517 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 66.33 Mbit/s  
95th percentile per-packet one-way delay: 44.198 ms  
Loss rate: 32.78%  
-- Flow 1:  
Average throughput: 39.78 Mbit/s  
95th percentile per-packet one-way delay: 41.851 ms  
Loss rate: 30.58%  
-- Flow 2:  
Average throughput: 37.28 Mbit/s  
95th percentile per-packet one-way delay: 46.249 ms  
Loss rate: 36.16%  
-- Flow 3:  
Average throughput: 5.85 Mbit/s  
95th percentile per-packet one-way delay: 44.525 ms  
Loss rate: 30.53%

Run 1: Report of Verus — Data Link



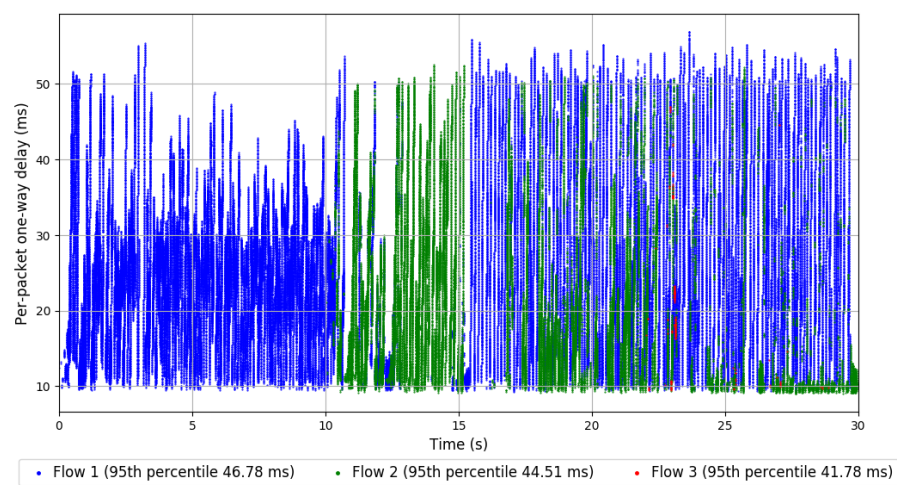
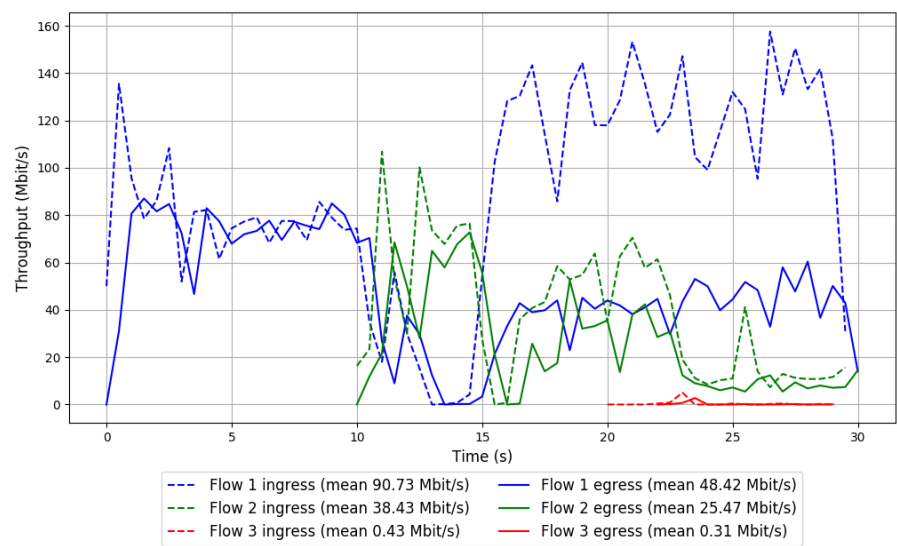
Run 2: Statistics of Verus

Start at: 2018-06-05 11:44:18  
End at: 2018-06-05 11:44:48  
Local clock offset: -2.588 ms  
Remote clock offset: -10.009 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 65.41 Mbit/s  
95th percentile per-packet one-way delay: 46.272 ms  
Loss rate: 43.81%  
-- Flow 1:  
Average throughput: 48.42 Mbit/s  
95th percentile per-packet one-way delay: 46.780 ms  
Loss rate: 46.65%  
-- Flow 2:  
Average throughput: 25.47 Mbit/s  
95th percentile per-packet one-way delay: 44.511 ms  
Loss rate: 33.75%  
-- Flow 3:  
Average throughput: 0.31 Mbit/s  
95th percentile per-packet one-way delay: 41.781 ms  
Loss rate: 45.76%



Run 2: Report of Verus — Data Link

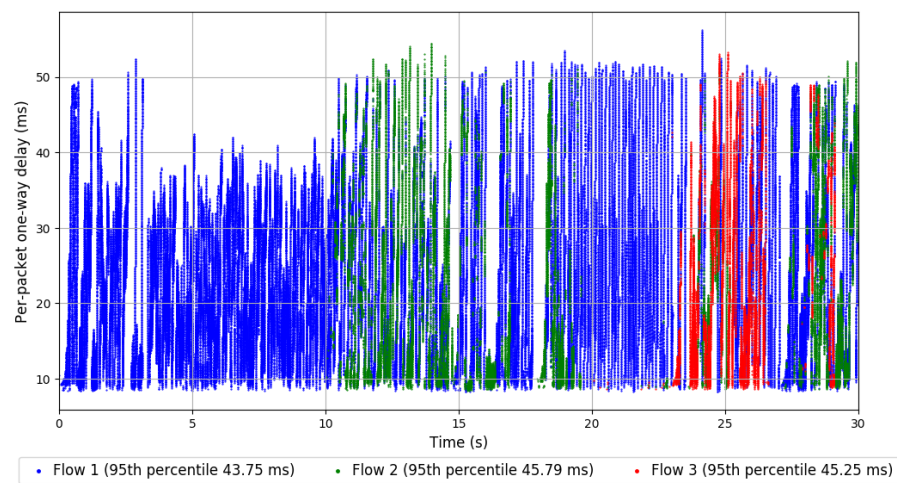
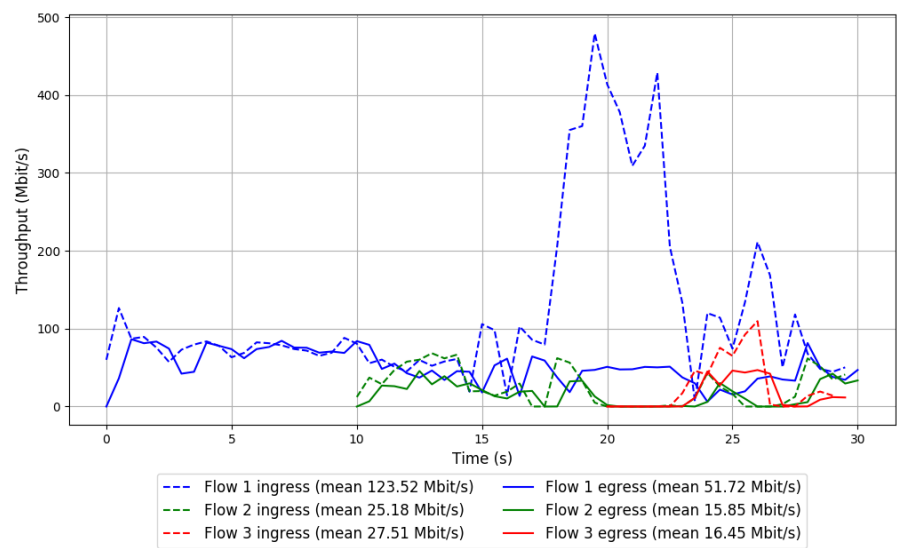


Run 3: Statistics of Verus

Start at: 2018-06-05 12:03:23  
End at: 2018-06-05 12:03:53  
Local clock offset: -3.13 ms  
Remote clock offset: -8.411 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 67.23 Mbit/s  
95th percentile per-packet one-way delay: 44.342 ms  
Loss rate: 54.72%  
-- Flow 1:  
Average throughput: 51.72 Mbit/s  
95th percentile per-packet one-way delay: 43.748 ms  
Loss rate: 58.10%  
-- Flow 2:  
Average throughput: 15.85 Mbit/s  
95th percentile per-packet one-way delay: 45.786 ms  
Loss rate: 36.97%  
-- Flow 3:  
Average throughput: 16.45 Mbit/s  
95th percentile per-packet one-way delay: 45.249 ms  
Loss rate: 40.08%

Run 3: Report of Verus — Data Link

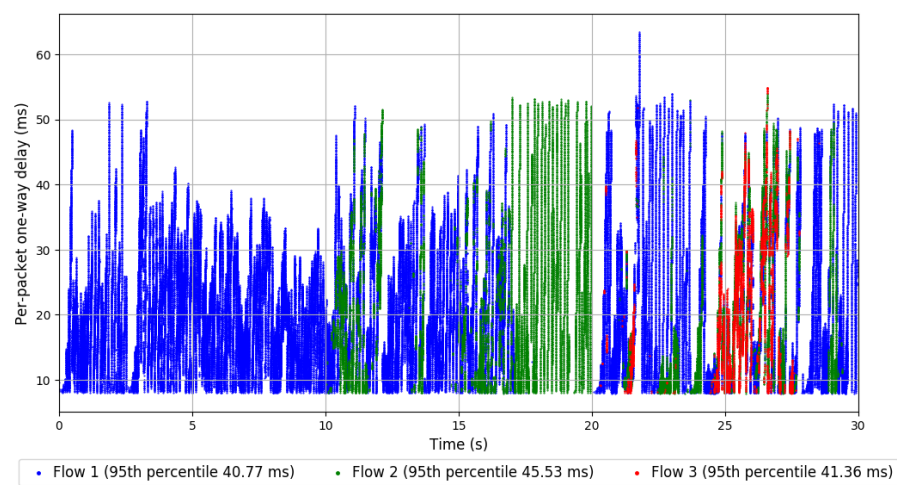
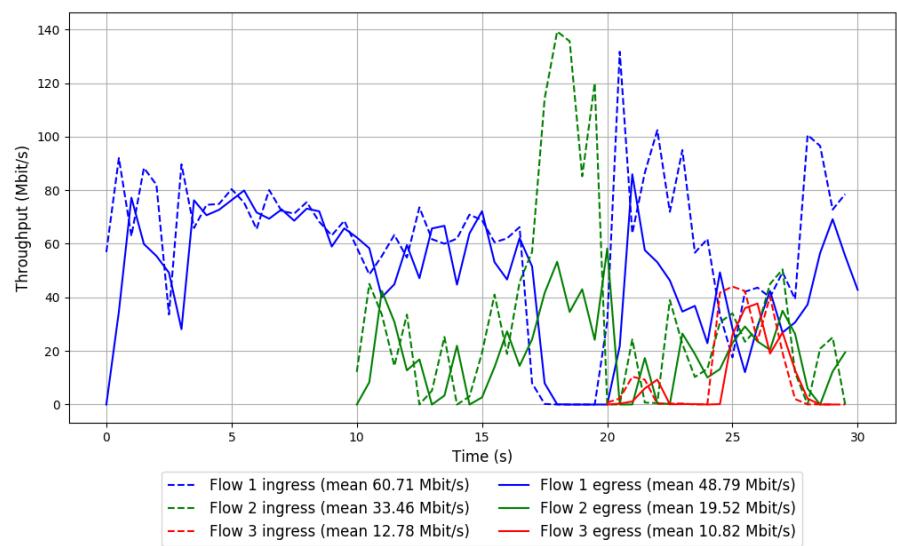


Run 4: Statistics of Verus

Start at: 2018-06-05 12:22:24  
End at: 2018-06-05 12:22:54  
Local clock offset: -2.176 ms  
Remote clock offset: -5.129 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 64.40 Mbit/s  
95th percentile per-packet one-way delay: 42.239 ms  
Loss rate: 25.86%  
-- Flow 1:  
Average throughput: 48.79 Mbit/s  
95th percentile per-packet one-way delay: 40.768 ms  
Loss rate: 19.59%  
-- Flow 2:  
Average throughput: 19.52 Mbit/s  
95th percentile per-packet one-way delay: 45.533 ms  
Loss rate: 43.12%  
-- Flow 3:  
Average throughput: 10.82 Mbit/s  
95th percentile per-packet one-way delay: 41.364 ms  
Loss rate: 25.07%

Run 4: Report of Verus — Data Link

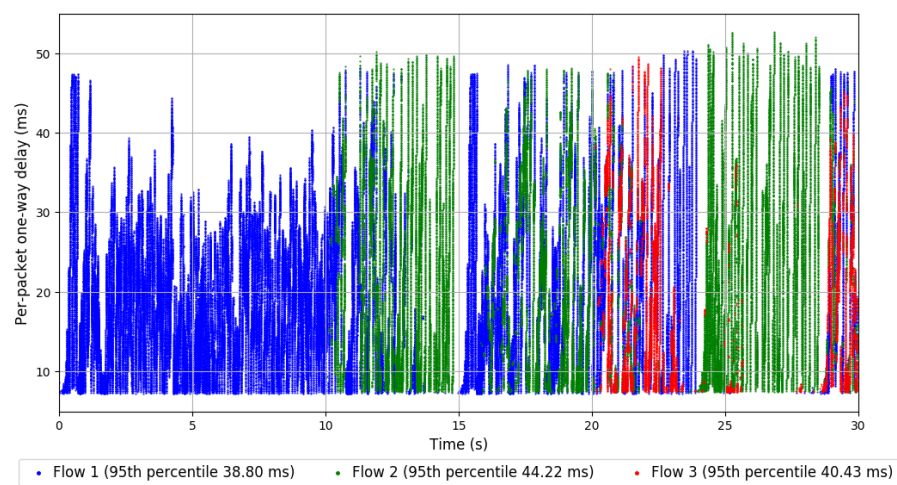
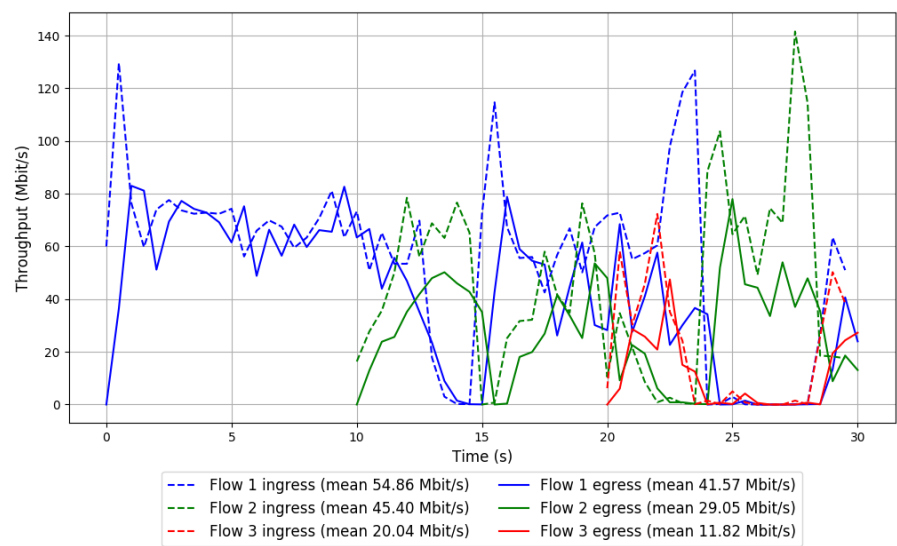


Run 5: Statistics of Verus

Start at: 2018-06-05 12:41:19  
End at: 2018-06-05 12:41:49  
Local clock offset: 0.491 ms  
Remote clock offset: -2.468 ms

# Below is generated by plot.py at 2018-06-05 14:53:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 64.79 Mbit/s  
95th percentile per-packet one-way delay: 41.231 ms  
Loss rate: 29.30%  
-- Flow 1:  
Average throughput: 41.57 Mbit/s  
95th percentile per-packet one-way delay: 38.801 ms  
Loss rate: 24.20%  
-- Flow 2:  
Average throughput: 29.05 Mbit/s  
95th percentile per-packet one-way delay: 44.224 ms  
Loss rate: 36.02%  
-- Flow 3:  
Average throughput: 11.82 Mbit/s  
95th percentile per-packet one-way delay: 40.427 ms  
Loss rate: 40.94%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-06-05 13:00:05

End at: 2018-06-05 13:00:35

Local clock offset: -0.507 ms

Remote clock offset: -3.18 ms

# Below is generated by plot.py at 2018-06-05 14:53:17

# Datalink statistics

-- Total of 3 flows:

Average throughput: 60.35 Mbit/s

95th percentile per-packet one-way delay: 44.222 ms

Loss rate: 25.92%

-- Flow 1:

Average throughput: 46.02 Mbit/s

95th percentile per-packet one-way delay: 44.376 ms

Loss rate: 25.69%

-- Flow 2:

Average throughput: 16.99 Mbit/s

95th percentile per-packet one-way delay: 44.254 ms

Loss rate: 25.62%

-- Flow 3:

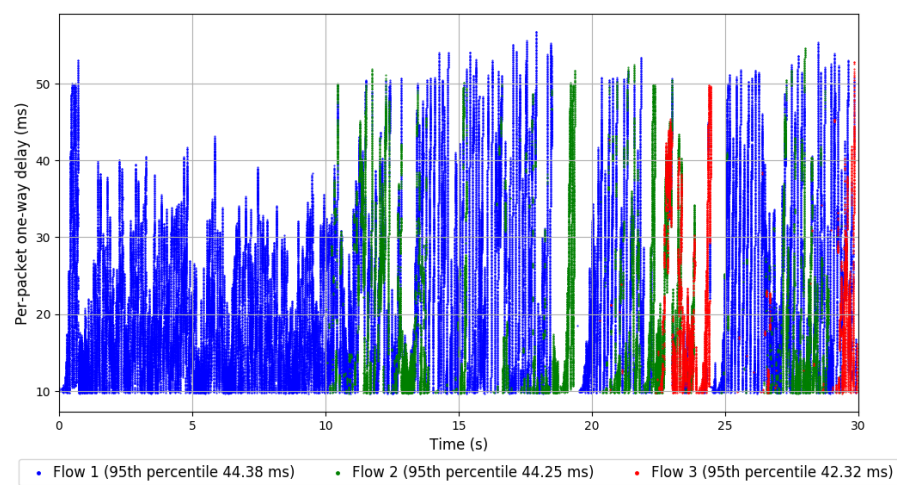
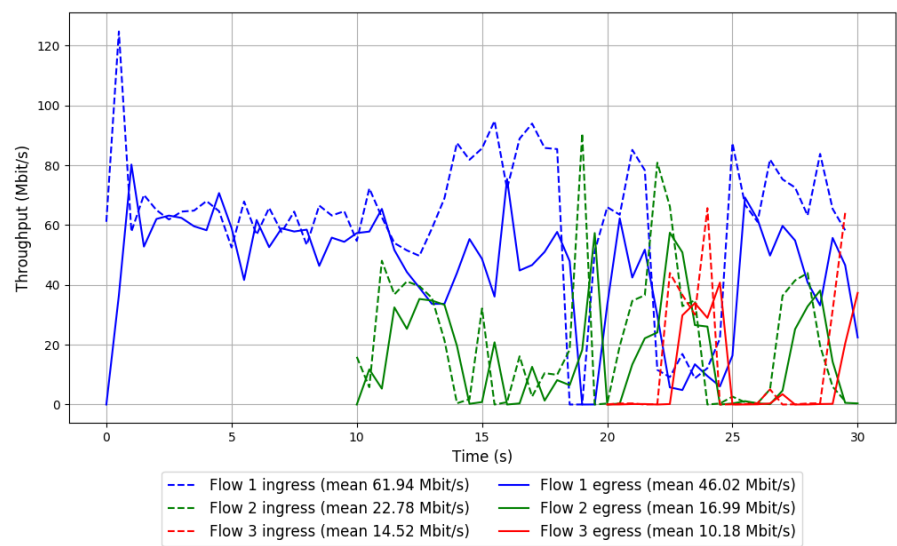
Average throughput: 10.18 Mbit/s

95th percentile per-packet one-way delay: 42.318 ms

Loss rate: 29.87%



Run 6: Report of Verus — Data Link

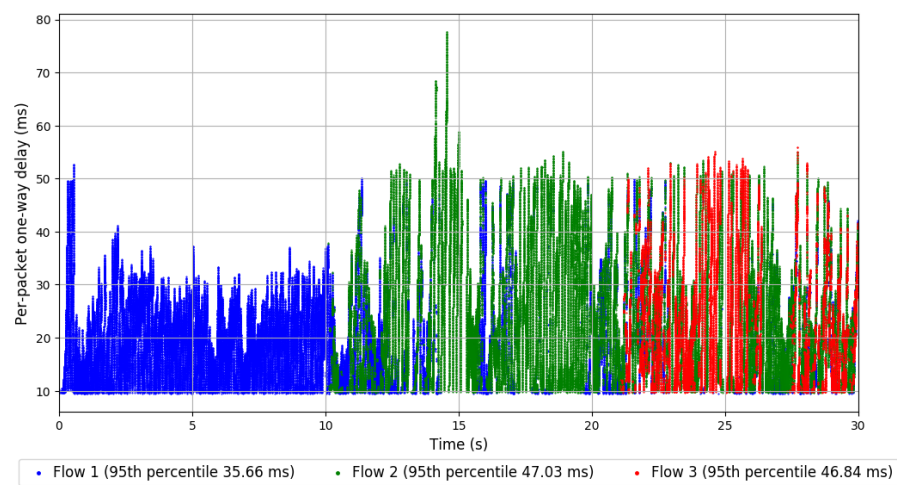
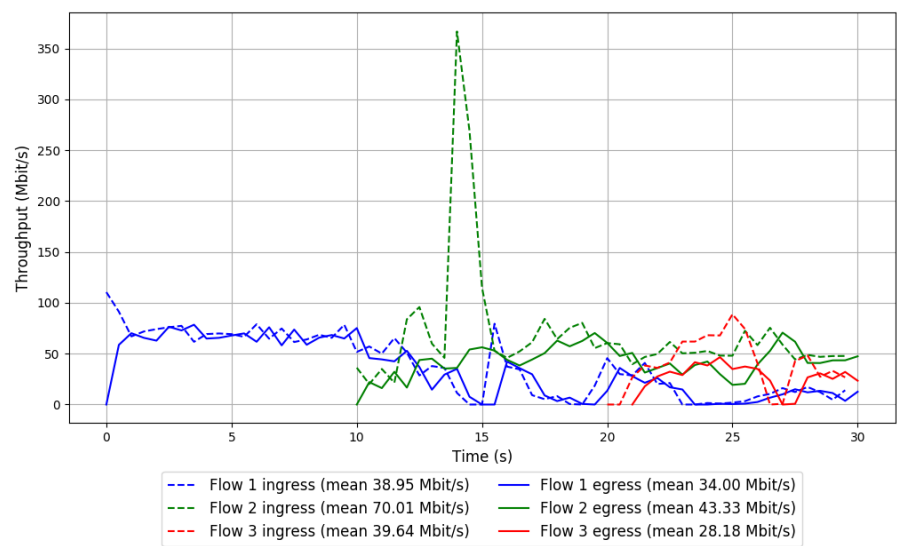


Run 7: Statistics of Verus

Start at: 2018-06-05 13:19:02  
End at: 2018-06-05 13:19:32  
Local clock offset: -0.181 ms  
Remote clock offset: -1.606 ms

# Below is generated by plot.py at 2018-06-05 14:53:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 71.22 Mbit/s  
95th percentile per-packet one-way delay: 44.609 ms  
Loss rate: 27.70%  
-- Flow 1:  
Average throughput: 34.00 Mbit/s  
95th percentile per-packet one-way delay: 35.664 ms  
Loss rate: 12.61%  
-- Flow 2:  
Average throughput: 43.33 Mbit/s  
95th percentile per-packet one-way delay: 47.035 ms  
Loss rate: 38.02%  
-- Flow 3:  
Average throughput: 28.18 Mbit/s  
95th percentile per-packet one-way delay: 46.835 ms  
Loss rate: 35.89%

Run 7: Report of Verus — Data Link

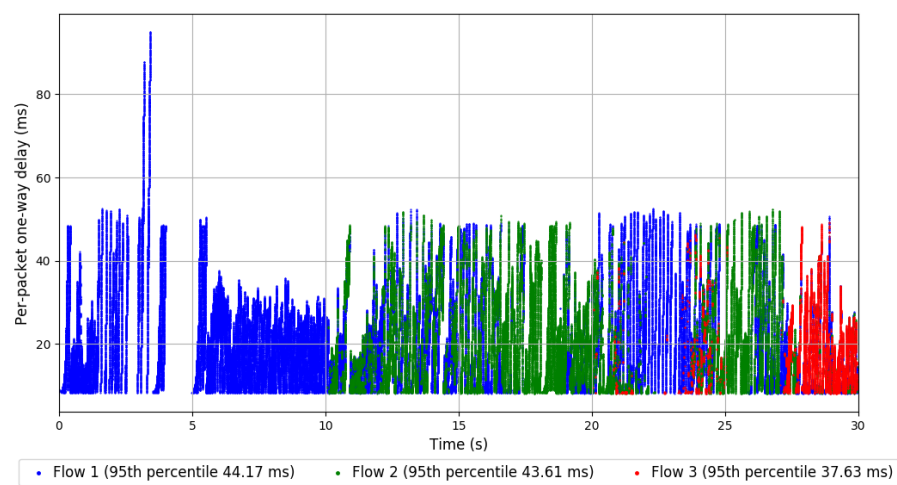
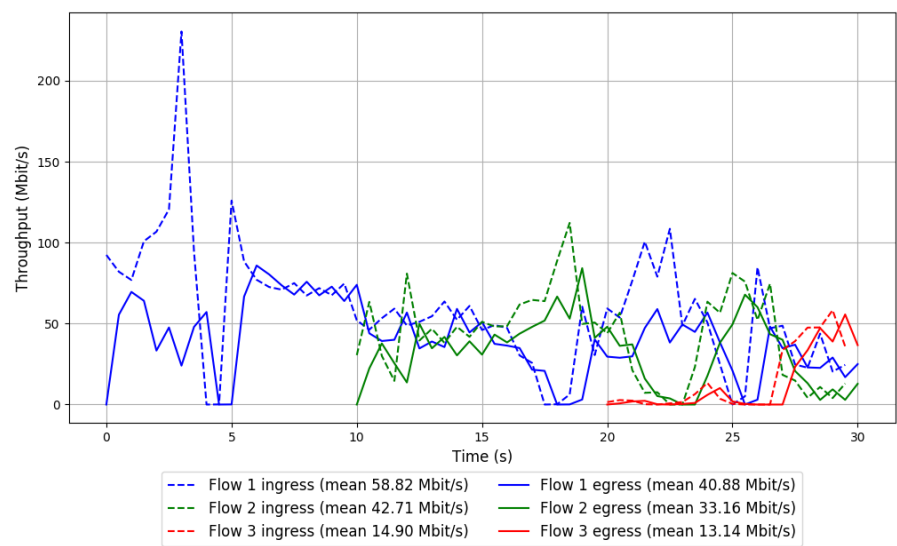


Run 8: Statistics of Verus

Start at: 2018-06-05 13:37:53  
End at: 2018-06-05 13:38:23  
Local clock offset: -3.336 ms  
Remote clock offset: -4.045 ms

# Below is generated by plot.py at 2018-06-05 14:53:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 67.27 Mbit/s  
95th percentile per-packet one-way delay: 43.684 ms  
Loss rate: 27.00%  
-- Flow 1:  
Average throughput: 40.88 Mbit/s  
95th percentile per-packet one-way delay: 44.174 ms  
Loss rate: 30.50%  
-- Flow 2:  
Average throughput: 33.16 Mbit/s  
95th percentile per-packet one-way delay: 43.609 ms  
Loss rate: 22.39%  
-- Flow 3:  
Average throughput: 13.14 Mbit/s  
95th percentile per-packet one-way delay: 37.635 ms  
Loss rate: 11.80%

Run 8: Report of Verus — Data Link

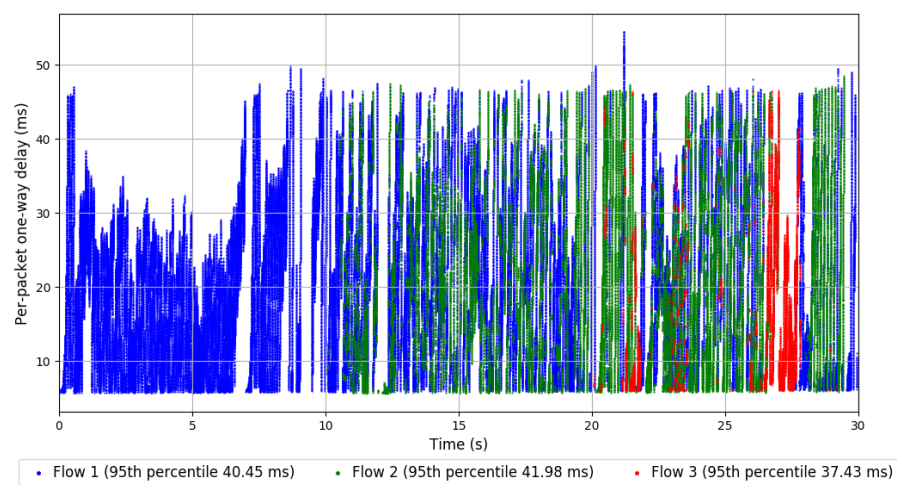
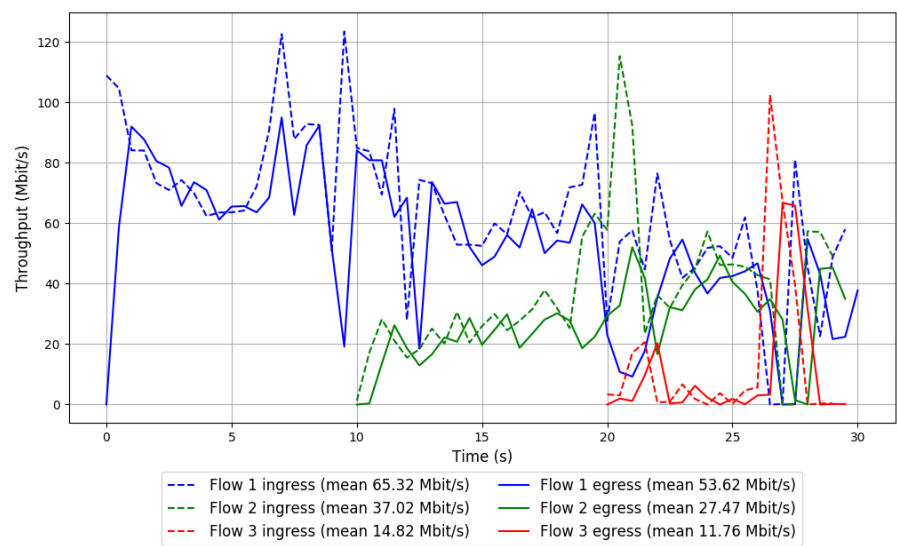


Run 9: Statistics of Verus

Start at: 2018-06-05 13:56:55  
End at: 2018-06-05 13:57:25  
Local clock offset: -2.322 ms  
Remote clock offset: -11.133 ms

# Below is generated by plot.py at 2018-06-05 14:53:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.03 Mbit/s  
95th percentile per-packet one-way delay: 40.828 ms  
Loss rate: 20.14%  
-- Flow 1:  
Average throughput: 53.62 Mbit/s  
95th percentile per-packet one-way delay: 40.449 ms  
Loss rate: 17.90%  
-- Flow 2:  
Average throughput: 27.47 Mbit/s  
95th percentile per-packet one-way delay: 41.984 ms  
Loss rate: 25.75%  
-- Flow 3:  
Average throughput: 11.76 Mbit/s  
95th percentile per-packet one-way delay: 37.428 ms  
Loss rate: 22.60%

Run 9: Report of Verus — Data Link



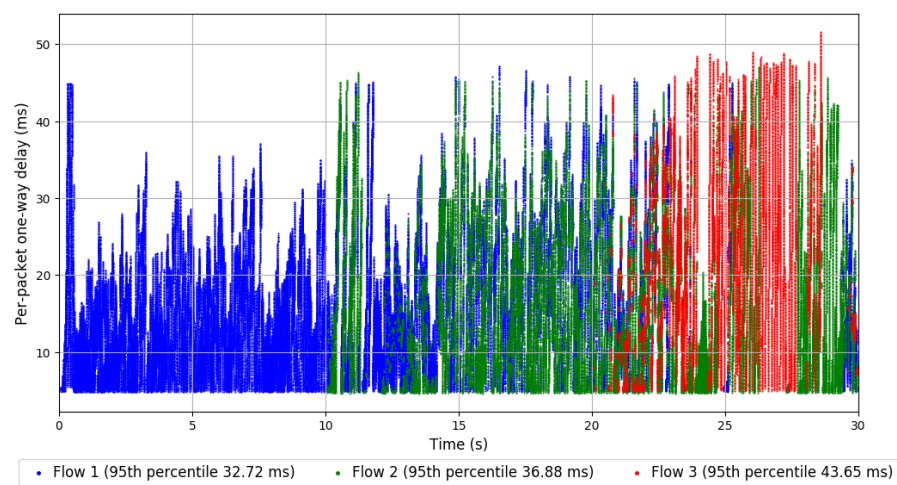
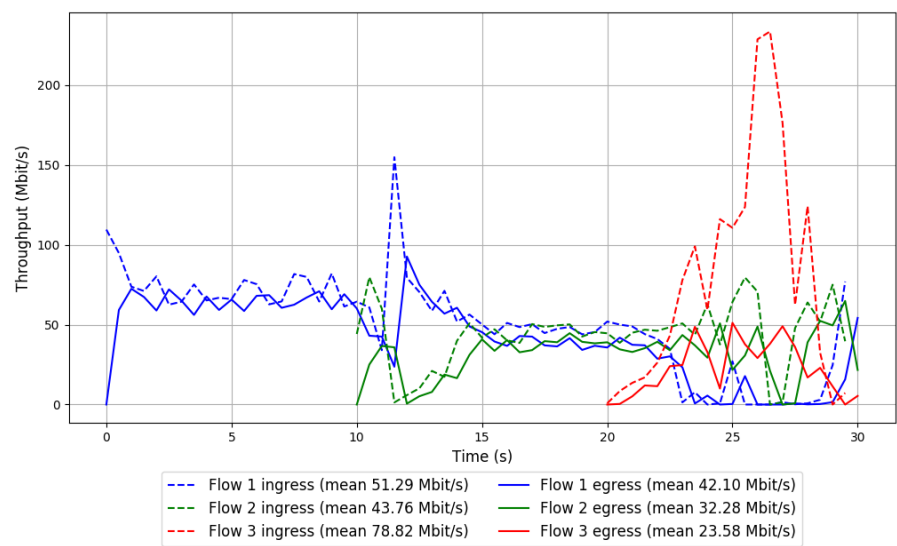
Run 10: Statistics of Verus

Start at: 2018-06-05 14:15:33  
End at: 2018-06-05 14:16:03  
Local clock offset: -0.451 ms  
Remote clock offset: -19.29 ms

# Below is generated by plot.py at 2018-06-05 14:53:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 71.39 Mbit/s  
95th percentile per-packet one-way delay: 36.611 ms  
Loss rate: 32.96%  
-- Flow 1:  
Average throughput: 42.10 Mbit/s  
95th percentile per-packet one-way delay: 32.719 ms  
Loss rate: 17.91%  
-- Flow 2:  
Average throughput: 32.28 Mbit/s  
95th percentile per-packet one-way delay: 36.878 ms  
Loss rate: 26.24%  
-- Flow 3:  
Average throughput: 23.58 Mbit/s  
95th percentile per-packet one-way delay: 43.651 ms  
Loss rate: 70.08%



Run 10: Report of Verus — Data Link

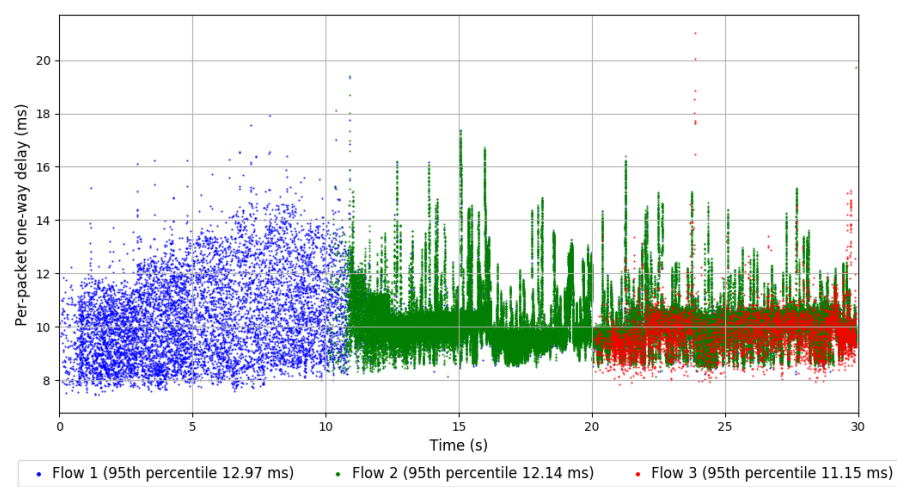
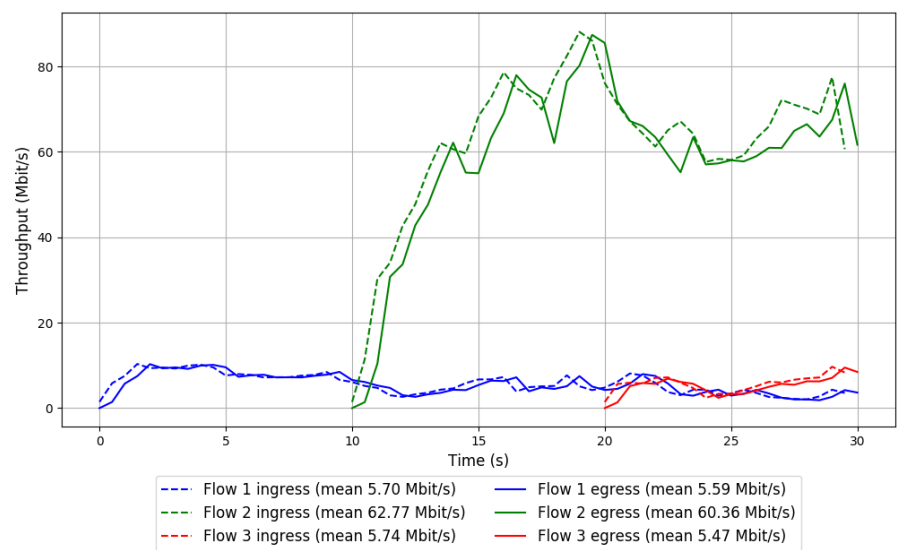


Run 1: Statistics of PCC-Vivace

Start at: 2018-06-05 11:28:46  
End at: 2018-06-05 11:29:16  
Local clock offset: 1.819 ms  
Remote clock offset: -13.363 ms

# Below is generated by plot.py at 2018-06-05 14:53:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 47.54 Mbit/s  
95th percentile per-packet one-way delay: 12.260 ms  
Loss rate: 3.63%  
-- Flow 1:  
Average throughput: 5.59 Mbit/s  
95th percentile per-packet one-way delay: 12.967 ms  
Loss rate: 1.98%  
-- Flow 2:  
Average throughput: 60.36 Mbit/s  
95th percentile per-packet one-way delay: 12.141 ms  
Loss rate: 3.81%  
-- Flow 3:  
Average throughput: 5.47 Mbit/s  
95th percentile per-packet one-way delay: 11.148 ms  
Loss rate: 4.60%

Run 1: Report of PCC-Vivace — Data Link

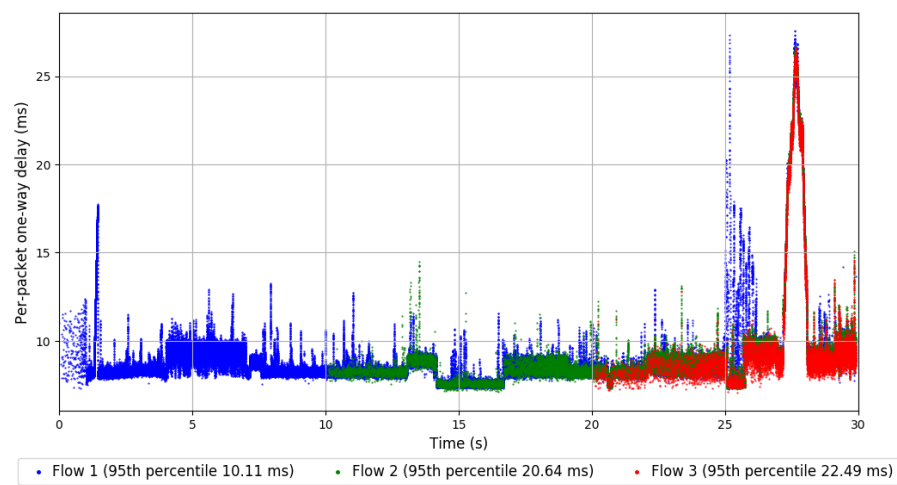
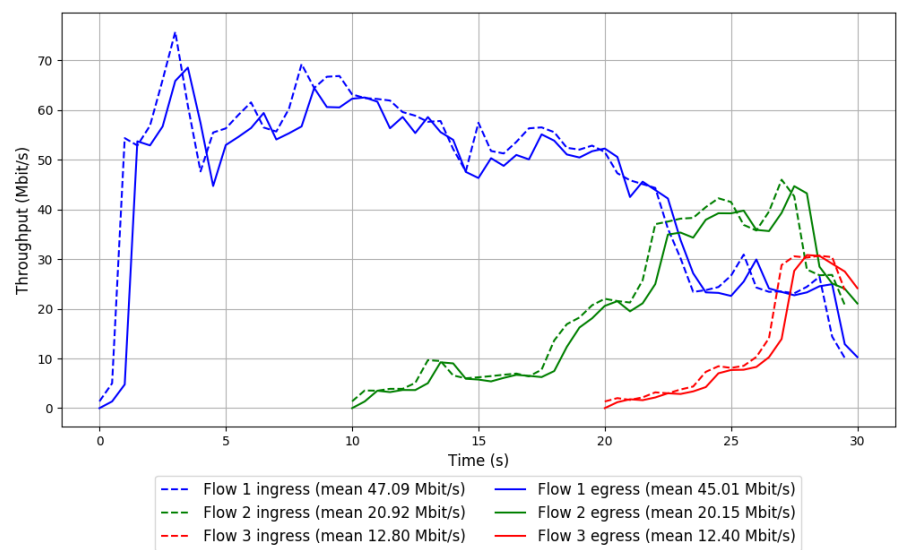


Run 2: Statistics of PCC-Vivace

Start at: 2018-06-05 11:47:51  
End at: 2018-06-05 11:48:21  
Local clock offset: -0.52 ms  
Remote clock offset: -8.935 ms

# Below is generated by plot.py at 2018-06-05 14:54:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 62.50 Mbit/s  
95th percentile per-packet one-way delay: 13.081 ms  
Loss rate: 4.18%  
-- Flow 1:  
Average throughput: 45.01 Mbit/s  
95th percentile per-packet one-way delay: 10.106 ms  
Loss rate: 4.42%  
-- Flow 2:  
Average throughput: 20.15 Mbit/s  
95th percentile per-packet one-way delay: 20.644 ms  
Loss rate: 3.69%  
-- Flow 3:  
Average throughput: 12.40 Mbit/s  
95th percentile per-packet one-way delay: 22.487 ms  
Loss rate: 3.09%

Run 2: Report of PCC-Vivace — Data Link

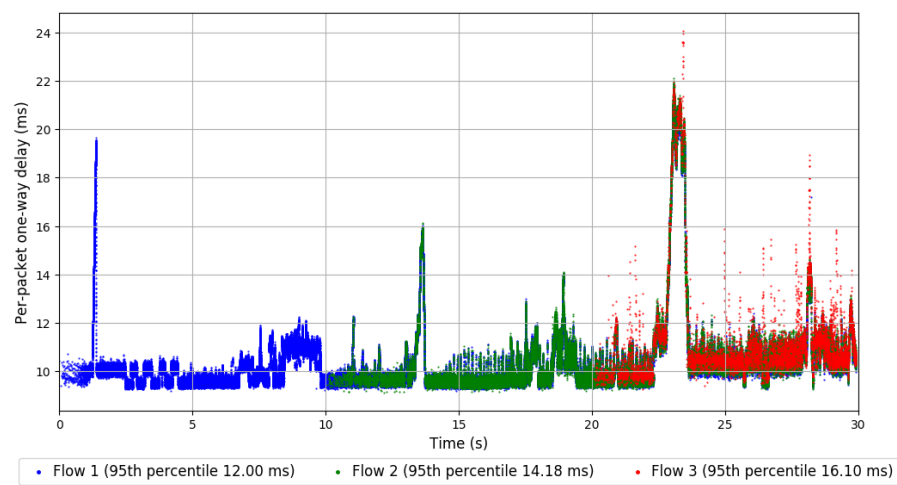
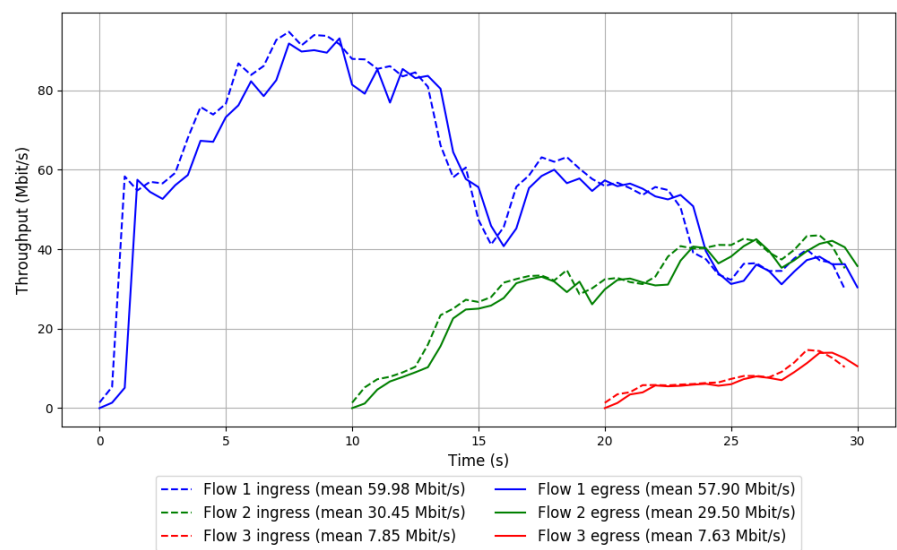


Run 3: Statistics of PCC-Vivace

Start at: 2018-06-05 12:06:48  
End at: 2018-06-05 12:07:18  
Local clock offset: -3.336 ms  
Remote clock offset: -7.769 ms

# Below is generated by plot.py at 2018-06-05 14:54:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.04 Mbit/s  
95th percentile per-packet one-way delay: 12.771 ms  
Loss rate: 3.36%  
-- Flow 1:  
Average throughput: 57.90 Mbit/s  
95th percentile per-packet one-way delay: 12.004 ms  
Loss rate: 3.47%  
-- Flow 2:  
Average throughput: 29.50 Mbit/s  
95th percentile per-packet one-way delay: 14.180 ms  
Loss rate: 3.11%  
-- Flow 3:  
Average throughput: 7.63 Mbit/s  
95th percentile per-packet one-way delay: 16.097 ms  
Loss rate: 2.86%

Run 3: Report of PCC-Vivace — Data Link



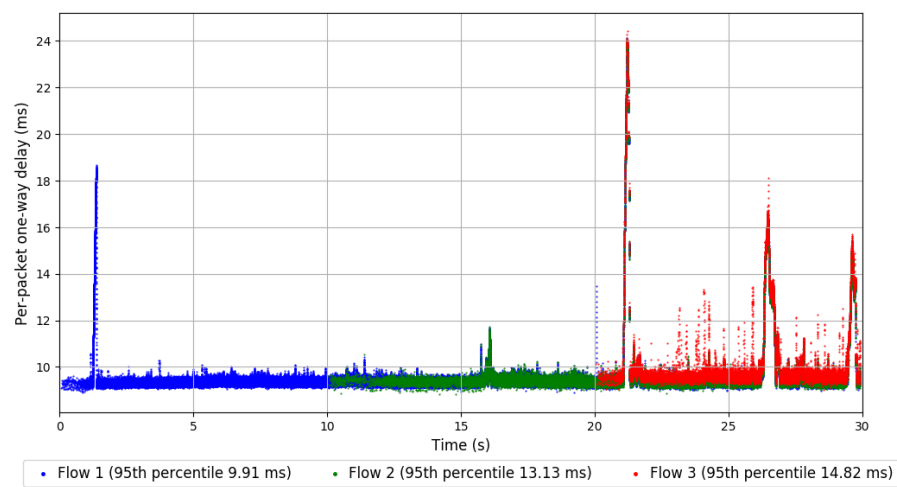
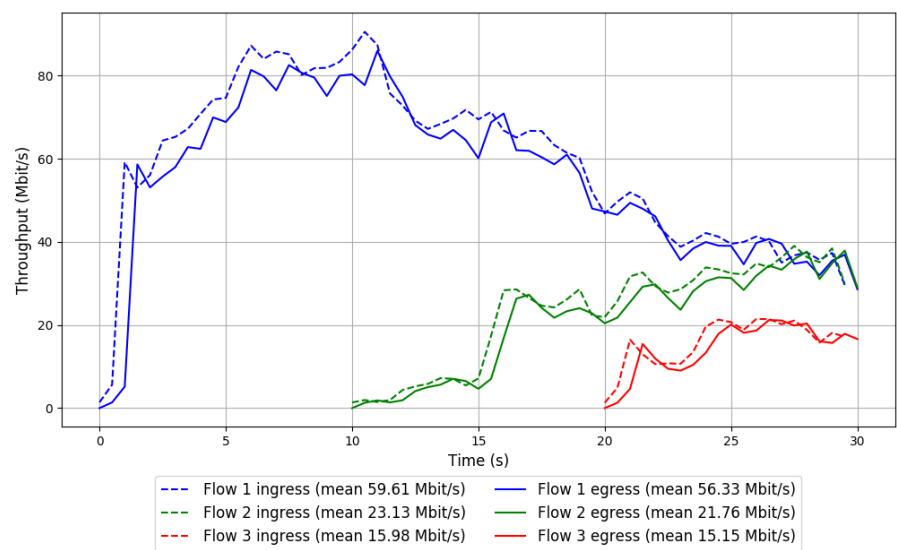
Run 4: Statistics of PCC-Vivace

Start at: 2018-06-05 12:25:49  
End at: 2018-06-05 12:26:19  
Local clock offset: -2.661 ms  
Remote clock offset: -3.899 ms

# Below is generated by plot.py at 2018-06-05 14:54:22  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.80 Mbit/s  
95th percentile per-packet one-way delay: 10.874 ms  
Loss rate: 5.57%  
-- Flow 1:  
Average throughput: 56.33 Mbit/s  
95th percentile per-packet one-way delay: 9.913 ms  
Loss rate: 5.52%  
-- Flow 2:  
Average throughput: 21.76 Mbit/s  
95th percentile per-packet one-way delay: 13.135 ms  
Loss rate: 5.91%  
-- Flow 3:  
Average throughput: 15.15 Mbit/s  
95th percentile per-packet one-way delay: 14.825 ms  
Loss rate: 5.21%



Run 4: Report of PCC-Vivace — Data Link

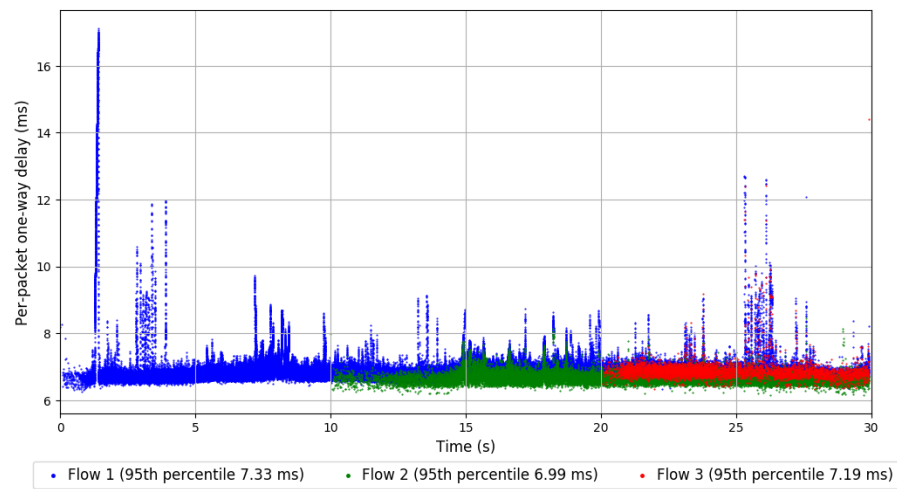
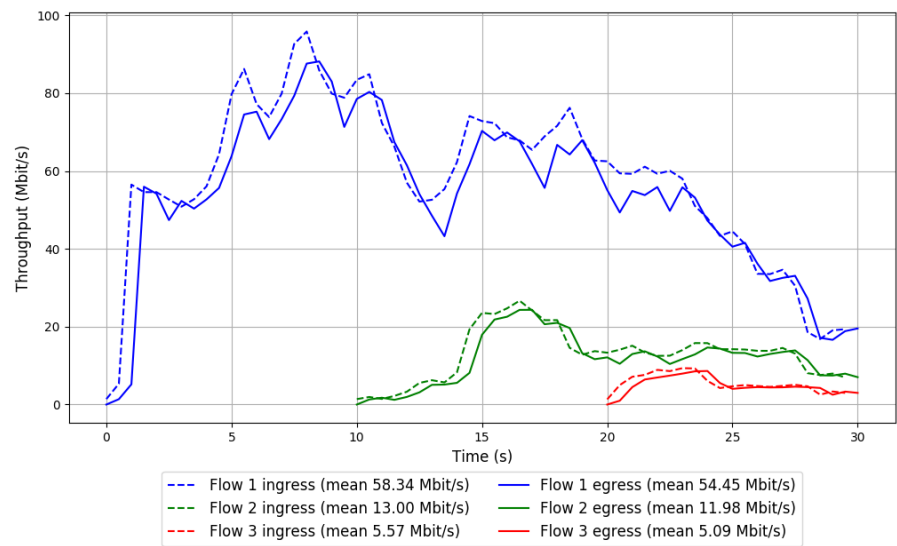


Run 5: Statistics of PCC-Vivace

Start at: 2018-06-05 12:44:42  
End at: 2018-06-05 12:45:12  
Local clock offset: 1.66 ms  
Remote clock offset: -2.987 ms

# Below is generated by plot.py at 2018-06-05 14:54:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 64.09 Mbit/s  
95th percentile per-packet one-way delay: 7.277 ms  
Loss rate: 6.86%  
-- Flow 1:  
Average throughput: 54.45 Mbit/s  
95th percentile per-packet one-way delay: 7.325 ms  
Loss rate: 6.67%  
-- Flow 2:  
Average throughput: 11.98 Mbit/s  
95th percentile per-packet one-way delay: 6.994 ms  
Loss rate: 7.82%  
-- Flow 3:  
Average throughput: 5.09 Mbit/s  
95th percentile per-packet one-way delay: 7.190 ms  
Loss rate: 8.42%

Run 5: Report of PCC-Vivace — Data Link

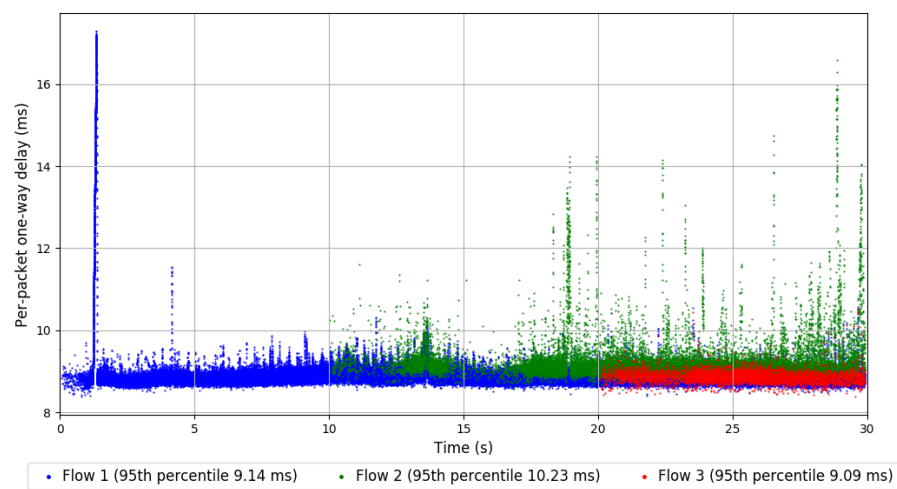
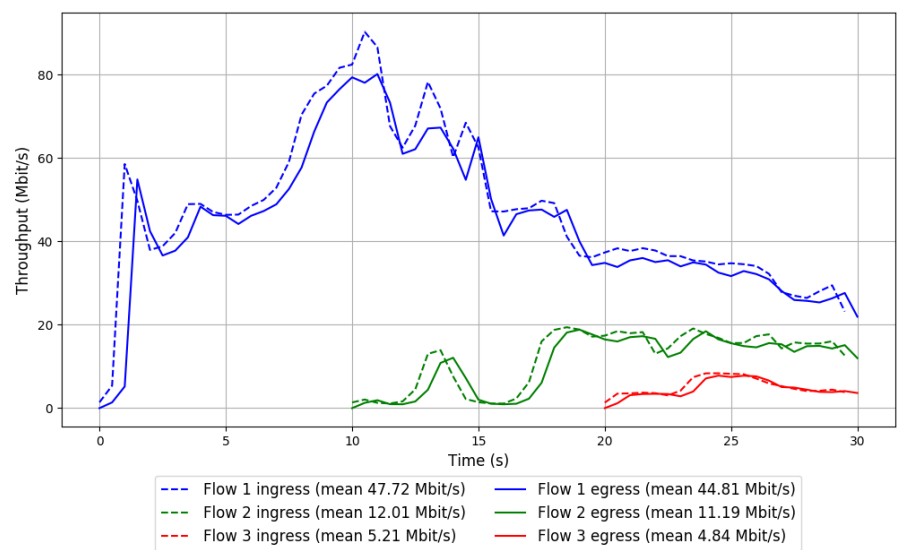


Run 6: Statistics of PCC-Vivace

Start at: 2018-06-05 13:03:30  
End at: 2018-06-05 13:04:00  
Local clock offset: 0.34 ms  
Remote clock offset: -3.198 ms

# Below is generated by plot.py at 2018-06-05 14:54:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 53.86 Mbit/s  
95th percentile per-packet one-way delay: 9.323 ms  
Loss rate: 6.22%  
-- Flow 1:  
Average throughput: 44.81 Mbit/s  
95th percentile per-packet one-way delay: 9.142 ms  
Loss rate: 6.10%  
-- Flow 2:  
Average throughput: 11.19 Mbit/s  
95th percentile per-packet one-way delay: 10.234 ms  
Loss rate: 6.80%  
-- Flow 3:  
Average throughput: 4.84 Mbit/s  
95th percentile per-packet one-way delay: 9.093 ms  
Loss rate: 7.07%

Run 6: Report of PCC-Vivace — Data Link

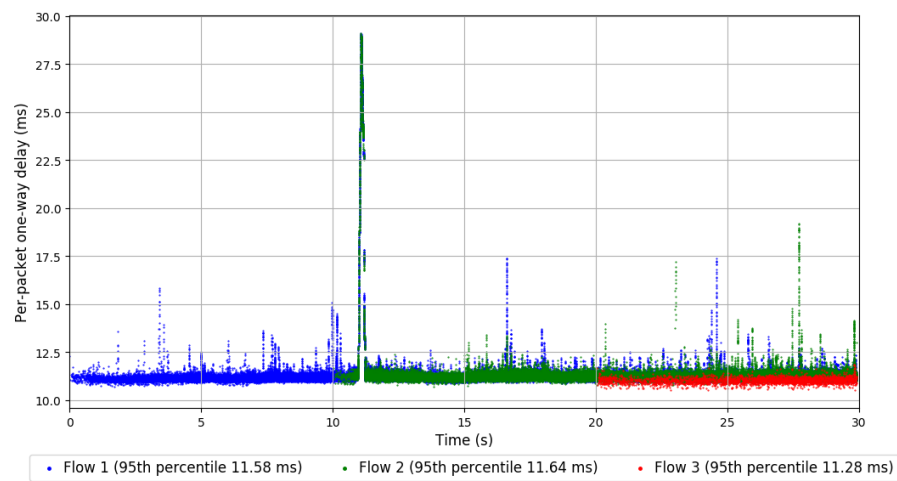
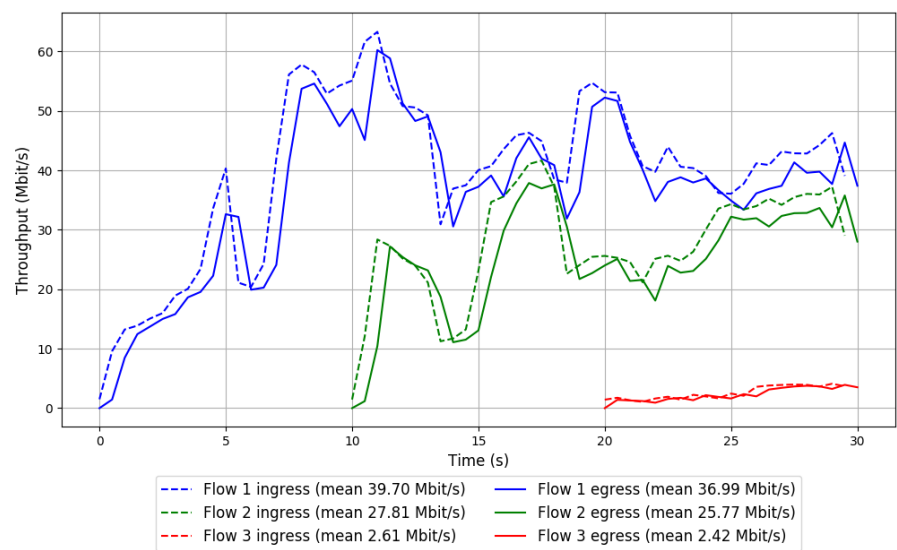


Run 7: Statistics of PCC-Vivace

Start at: 2018-06-05 13:22:35  
End at: 2018-06-05 13:23:05  
Local clock offset: -2.812 ms  
Remote clock offset: -2.678 ms

# Below is generated by plot.py at 2018-06-05 14:54:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 54.93 Mbit/s  
95th percentile per-packet one-way delay: 11.593 ms  
Loss rate: 7.00%  
-- Flow 1:  
Average throughput: 36.99 Mbit/s  
95th percentile per-packet one-way delay: 11.576 ms  
Loss rate: 6.84%  
-- Flow 2:  
Average throughput: 25.77 Mbit/s  
95th percentile per-packet one-way delay: 11.642 ms  
Loss rate: 7.32%  
-- Flow 3:  
Average throughput: 2.42 Mbit/s  
95th percentile per-packet one-way delay: 11.275 ms  
Loss rate: 7.30%

Run 7: Report of PCC-Vivace — Data Link



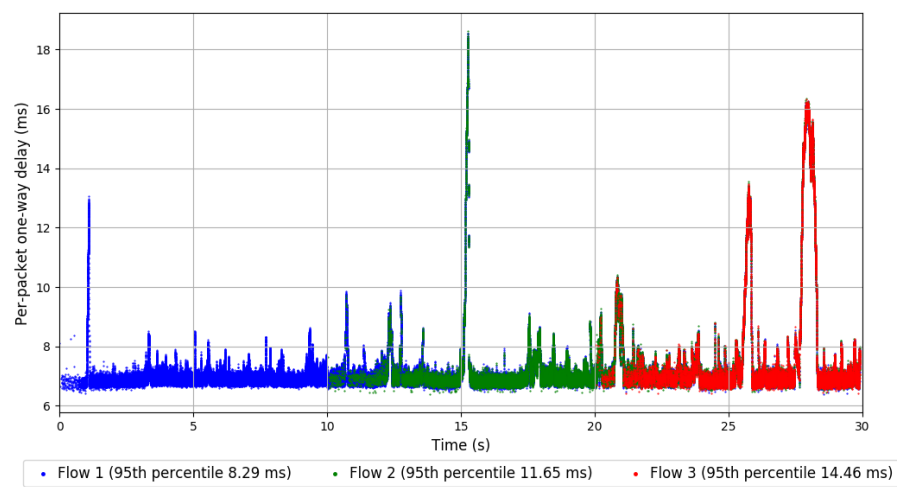
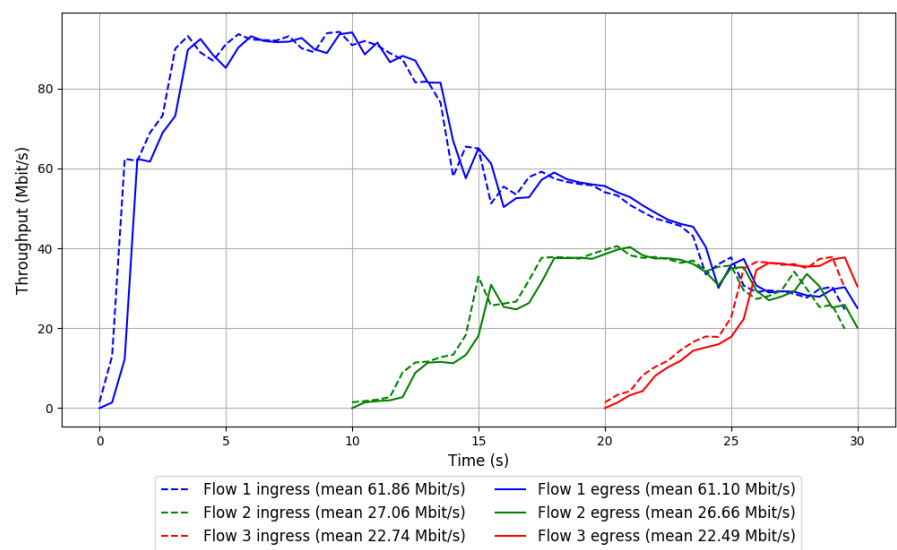
Run 8: Statistics of PCC-Vivace

Start at: 2018-06-05 13:41:27  
End at: 2018-06-05 13:41:57  
Local clock offset: -1.486 ms  
Remote clock offset: -2.971 ms

# Below is generated by plot.py at 2018-06-05 14:54:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.26 Mbit/s  
95th percentile per-packet one-way delay: 9.126 ms  
Loss rate: 1.27%  
-- Flow 1:  
Average throughput: 61.10 Mbit/s  
95th percentile per-packet one-way delay: 8.293 ms  
Loss rate: 1.22%  
-- Flow 2:  
Average throughput: 26.66 Mbit/s  
95th percentile per-packet one-way delay: 11.654 ms  
Loss rate: 1.50%  
-- Flow 3:  
Average throughput: 22.49 Mbit/s  
95th percentile per-packet one-way delay: 14.456 ms  
Loss rate: 1.12%



Run 8: Report of PCC-Vivace — Data Link

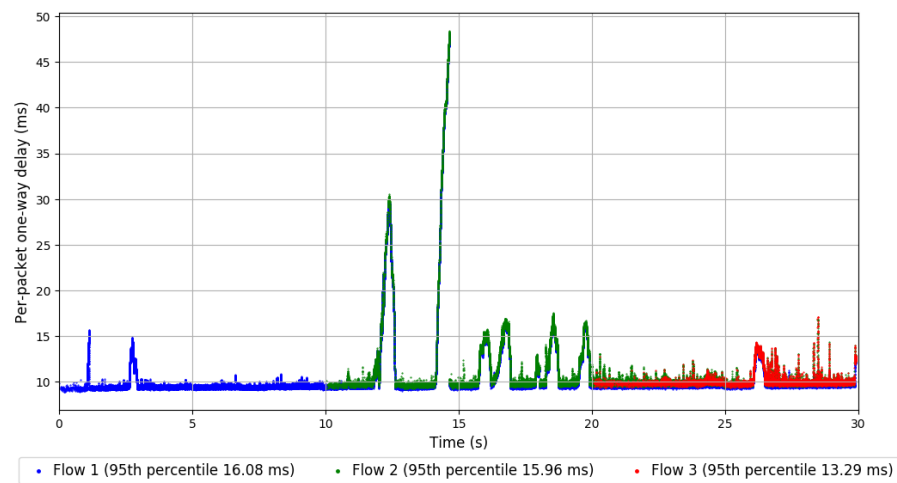
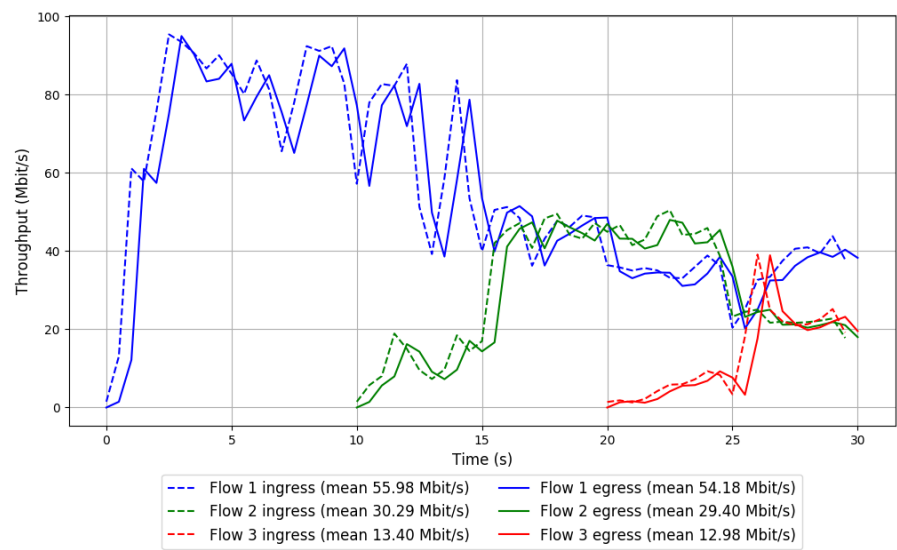


Run 9: Statistics of PCC-Vivace

Start at: 2018-06-05 14:00:23  
End at: 2018-06-05 14:00:53  
Local clock offset: -5.513 ms  
Remote clock offset: -13.086 ms

# Below is generated by plot.py at 2018-06-05 14:54:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.02 Mbit/s  
95th percentile per-packet one-way delay: 15.902 ms  
Loss rate: 3.13%  
-- Flow 1:  
Average throughput: 54.18 Mbit/s  
95th percentile per-packet one-way delay: 16.082 ms  
Loss rate: 3.21%  
-- Flow 2:  
Average throughput: 29.40 Mbit/s  
95th percentile per-packet one-way delay: 15.964 ms  
Loss rate: 2.92%  
-- Flow 3:  
Average throughput: 12.98 Mbit/s  
95th percentile per-packet one-way delay: 13.287 ms  
Loss rate: 3.07%

Run 9: Report of PCC-Vivace — Data Link

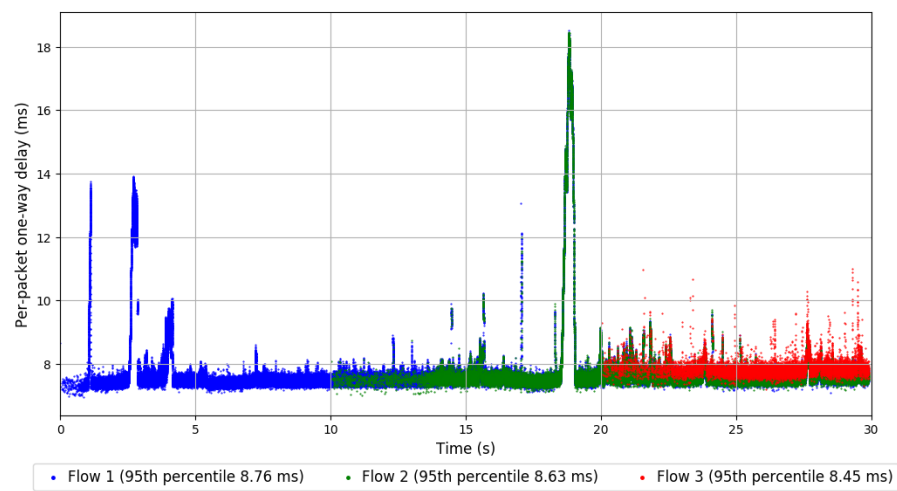
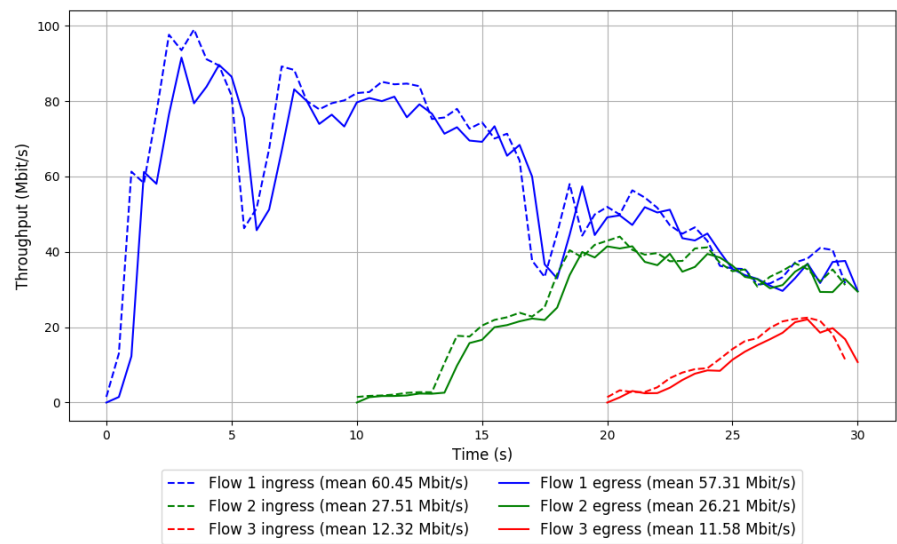


Run 10: Statistics of PCC-Vivace

Start at: 2018-06-05 14:19:00  
End at: 2018-06-05 14:19:30  
Local clock offset: -1.123 ms  
Remote clock offset: -18.207 ms

# Below is generated by plot.py at 2018-06-05 14:54:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.56 Mbit/s  
95th percentile per-packet one-way delay: 8.684 ms  
Loss rate: 5.13%  
-- Flow 1:  
Average throughput: 57.31 Mbit/s  
95th percentile per-packet one-way delay: 8.757 ms  
Loss rate: 5.19%  
-- Flow 2:  
Average throughput: 26.21 Mbit/s  
95th percentile per-packet one-way delay: 8.633 ms  
Loss rate: 4.73%  
-- Flow 3:  
Average throughput: 11.58 Mbit/s  
95th percentile per-packet one-way delay: 8.453 ms  
Loss rate: 5.96%

Run 10: Report of PCC-Vivace — Data Link

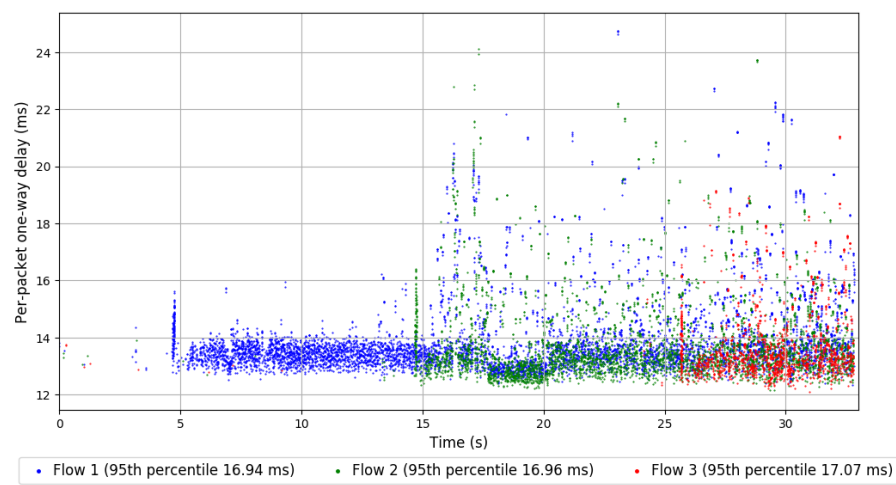
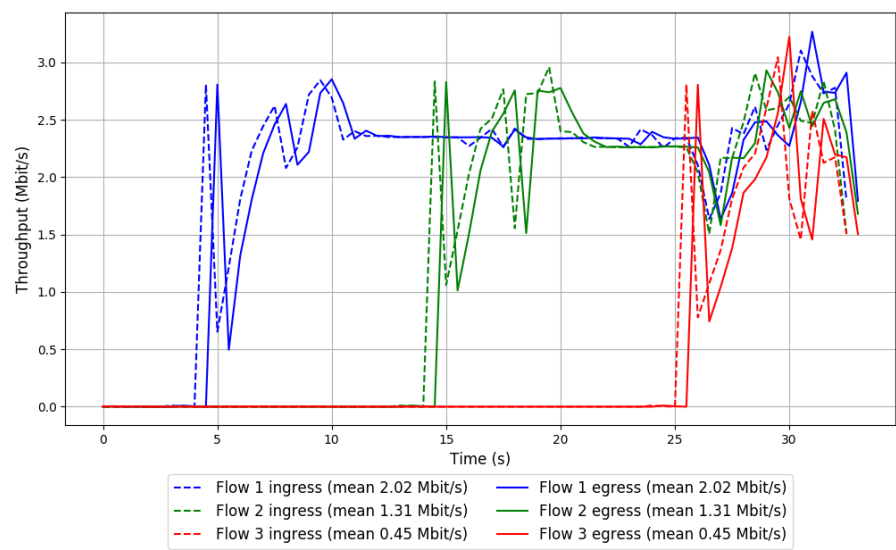


Run 1: Statistics of WebRTC media

Start at: 2018-06-05 11:35:51  
End at: 2018-06-05 11:36:21  
Local clock offset: 0.43 ms  
Remote clock offset: -7.939 ms

# Below is generated by plot.py at 2018-06-05 14:54:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.78 Mbit/s  
95th percentile per-packet one-way delay: 16.967 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.02 Mbit/s  
95th percentile per-packet one-way delay: 16.937 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 1.31 Mbit/s  
95th percentile per-packet one-way delay: 16.962 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 17.072 ms  
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-06-05 11:55:14

End at: 2018-06-05 11:55:44

Local clock offset: -4.051 ms

Remote clock offset: -8.33 ms

# Below is generated by plot.py at 2018-06-05 14:54:50

# Datalink statistics

-- Total of 3 flows:

Average throughput: 3.98 Mbit/s

95th percentile per-packet one-way delay: 14.978 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 14.816 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 1.30 Mbit/s

95th percentile per-packet one-way delay: 15.107 ms

Loss rate: 0.13%

-- Flow 3:

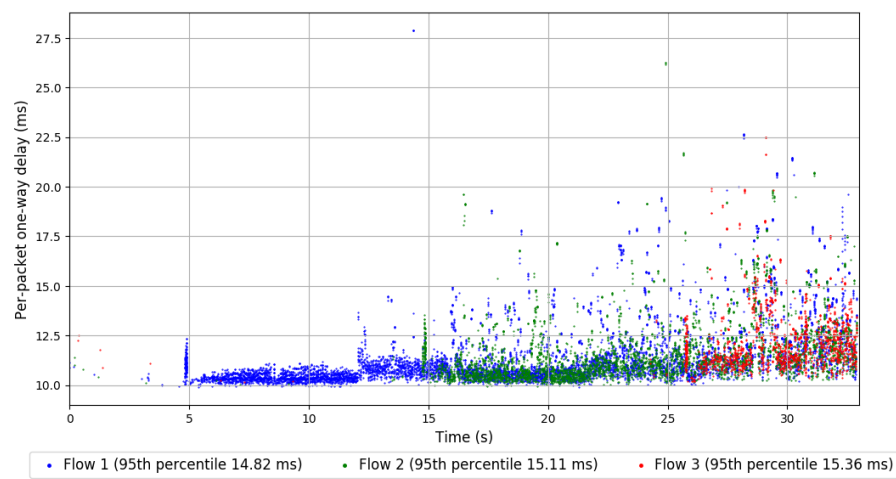
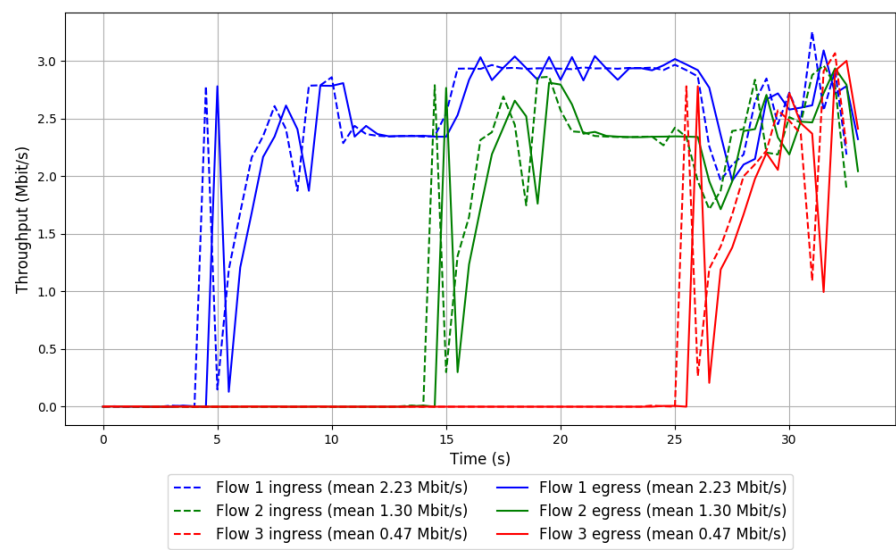
Average throughput: 0.47 Mbit/s

95th percentile per-packet one-way delay: 15.358 ms

Loss rate: 0.12%



Run 2: Report of WebRTC media — Data Link

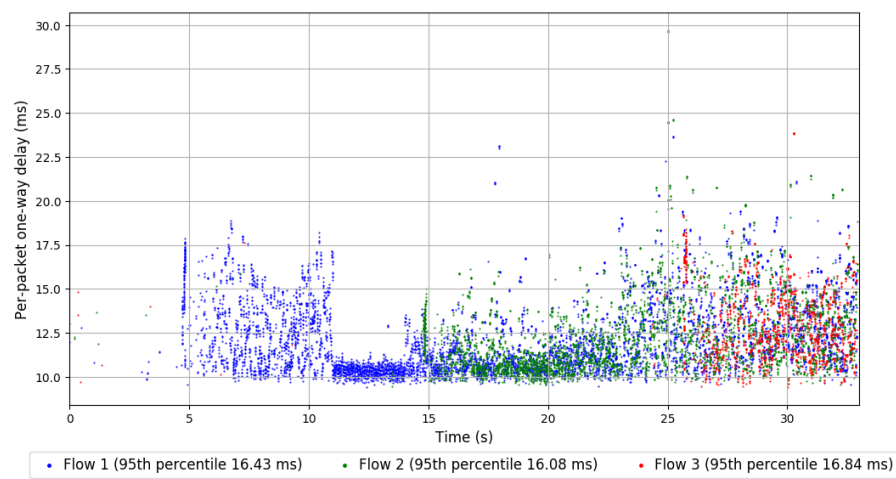
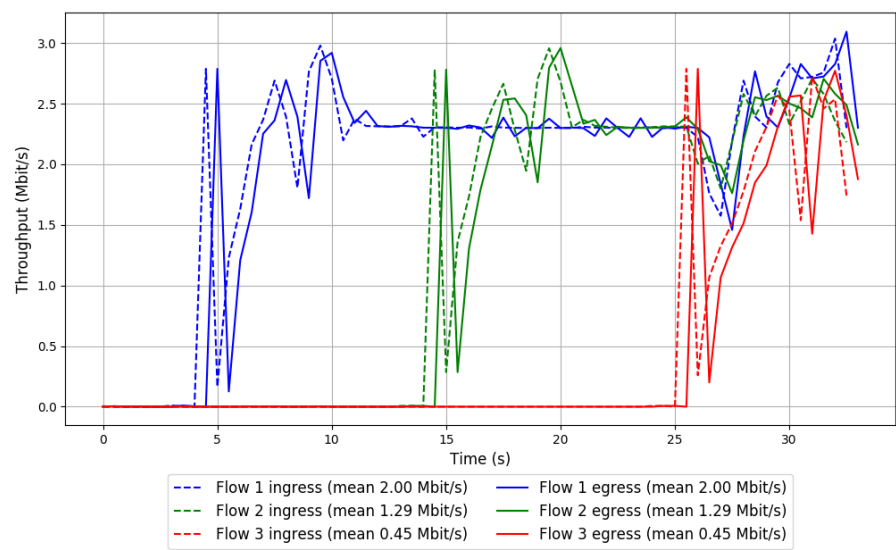


Run 3: Statistics of WebRTC media

Start at: 2018-06-05 12:14:05  
End at: 2018-06-05 12:14:35  
Local clock offset: -2.68 ms  
Remote clock offset: -5.426 ms

# Below is generated by plot.py at 2018-06-05 14:54:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.72 Mbit/s  
95th percentile per-packet one-way delay: 16.467 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.00 Mbit/s  
95th percentile per-packet one-way delay: 16.427 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.29 Mbit/s  
95th percentile per-packet one-way delay: 16.083 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 16.839 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-06-05 12:33:06

End at: 2018-06-05 12:33:36

Local clock offset: -1.257 ms

Remote clock offset: -2.86 ms

# Below is generated by plot.py at 2018-06-05 14:54:50

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 11.321 ms

Loss rate: 0.26%

-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 11.109 ms

Loss rate: 0.27%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 11.445 ms

Loss rate: 0.27%

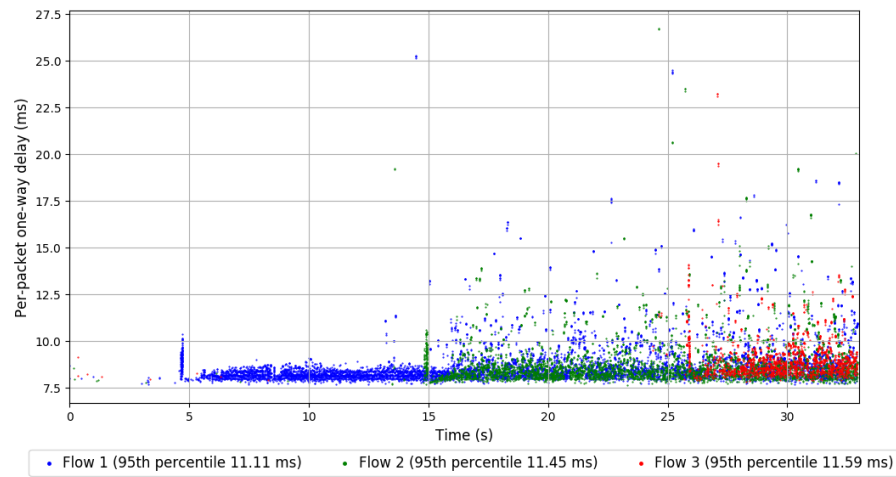
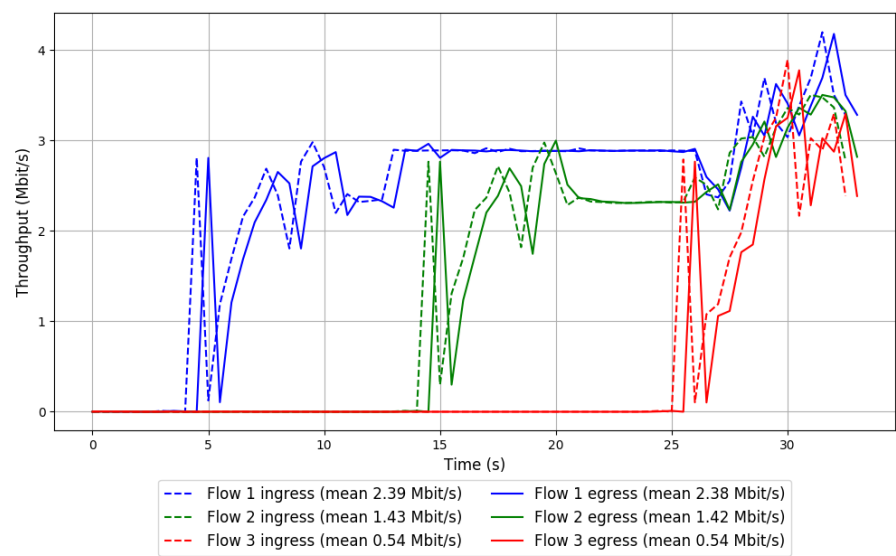
-- Flow 3:

Average throughput: 0.54 Mbit/s

95th percentile per-packet one-way delay: 11.585 ms

Loss rate: 0.24%

Run 4: Report of WebRTC media — Data Link

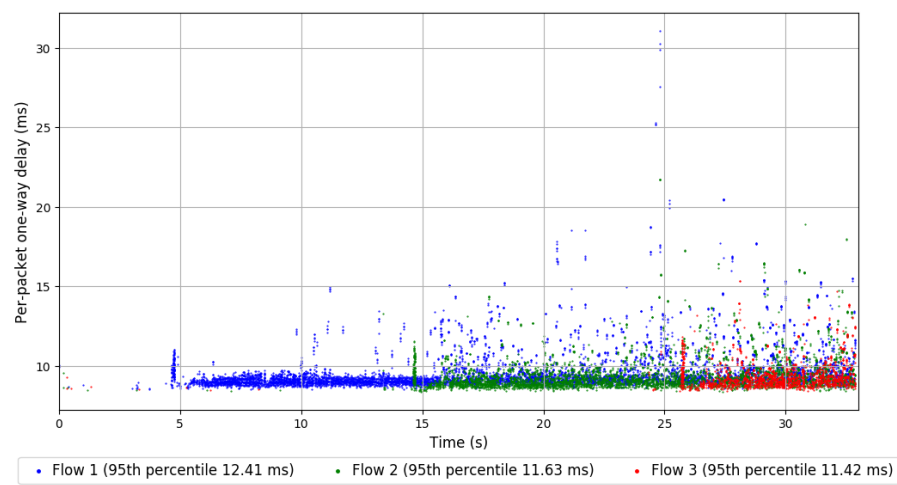
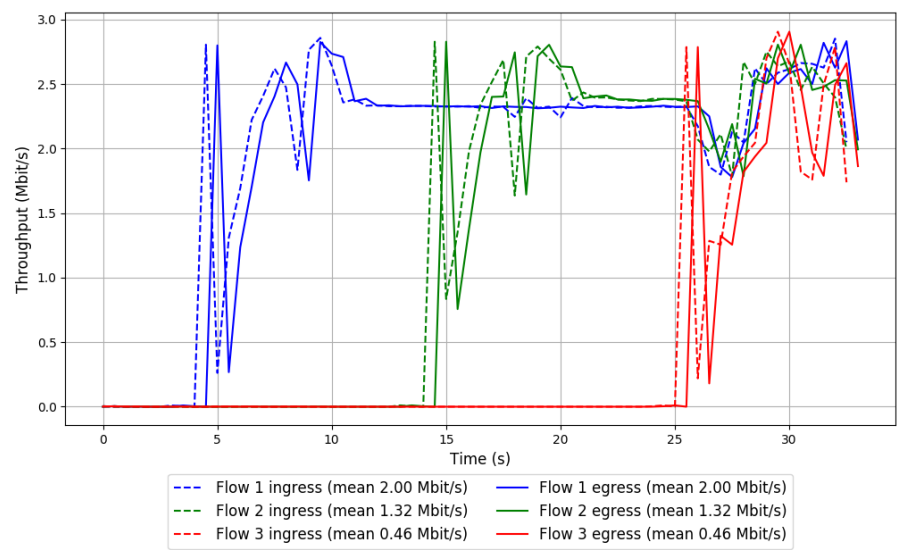


Run 5: Statistics of WebRTC media

Start at: 2018-06-05 12:51:57  
End at: 2018-06-05 12:52:27  
Local clock offset: -0.551 ms  
Remote clock offset: -3.921 ms

# Below is generated by plot.py at 2018-06-05 14:54:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.77 Mbit/s  
95th percentile per-packet one-way delay: 12.011 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.00 Mbit/s  
95th percentile per-packet one-way delay: 12.411 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.32 Mbit/s  
95th percentile per-packet one-way delay: 11.633 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.46 Mbit/s  
95th percentile per-packet one-way delay: 11.420 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



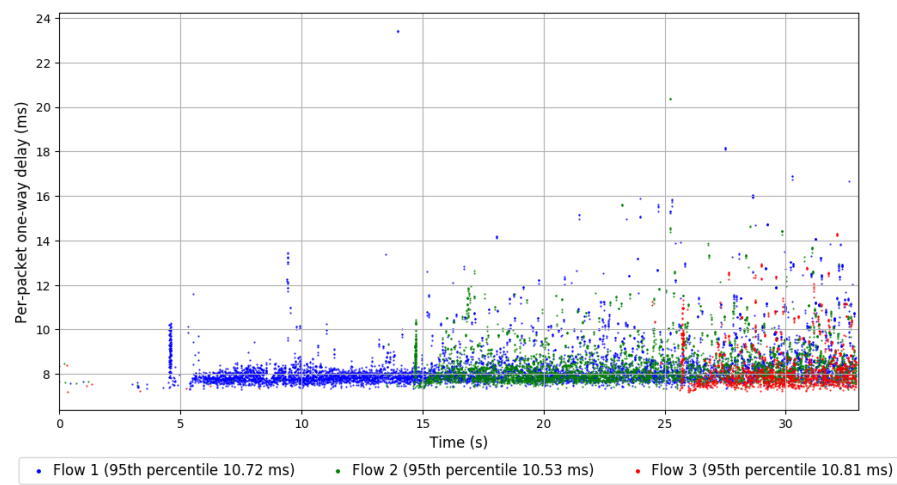
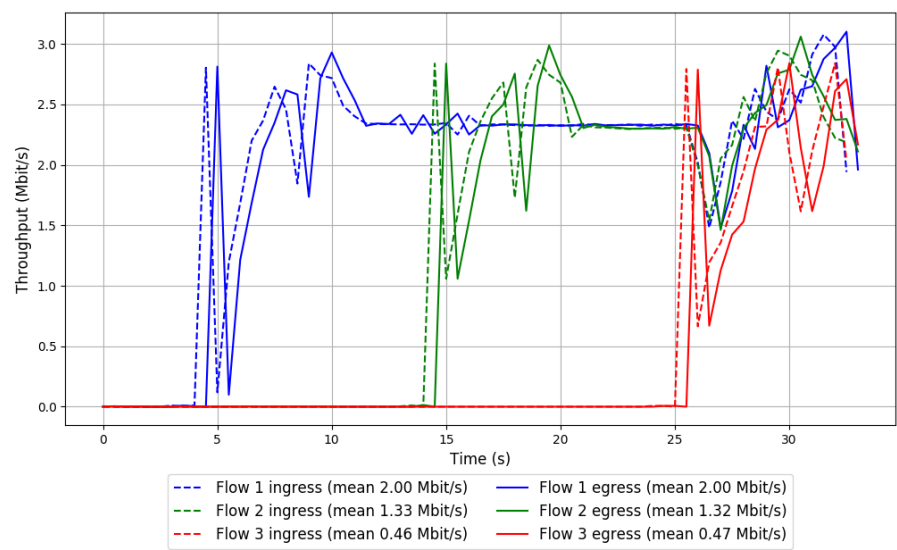
Run 6: Statistics of WebRTC media

Start at: 2018-06-05 13:10:52  
End at: 2018-06-05 13:11:22  
Local clock offset: 1.87 ms  
Remote clock offset: -2.333 ms

# Below is generated by plot.py at 2018-06-05 14:54:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.78 Mbit/s  
95th percentile per-packet one-way delay: 10.667 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 2.00 Mbit/s  
95th percentile per-packet one-way delay: 10.721 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.32 Mbit/s  
95th percentile per-packet one-way delay: 10.534 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 0.47 Mbit/s  
95th percentile per-packet one-way delay: 10.813 ms  
Loss rate: 0.00%



Run 6: Report of WebRTC media — Data Link

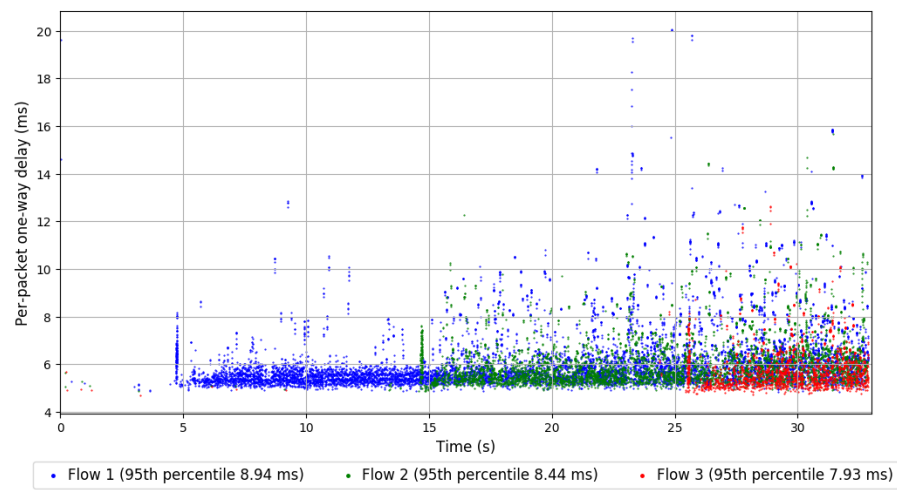
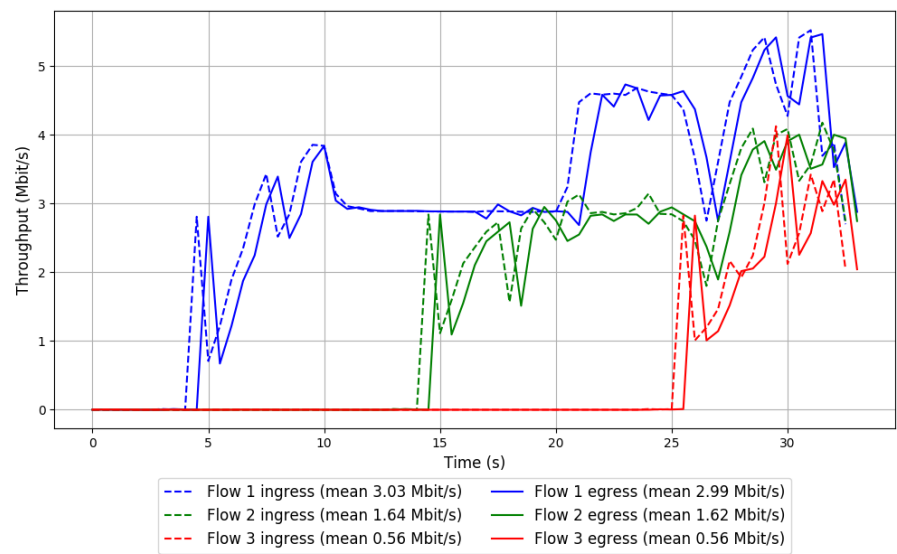


Run 7: Statistics of WebRTC media

Start at: 2018-06-05 13:29:44  
End at: 2018-06-05 13:30:14  
Local clock offset: 1.37 ms  
Remote clock offset: -3.913 ms

# Below is generated by plot.py at 2018-06-05 14:54:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 5.15 Mbit/s  
95th percentile per-packet one-way delay: 8.712 ms  
Loss rate: 1.32%  
-- Flow 1:  
Average throughput: 2.99 Mbit/s  
95th percentile per-packet one-way delay: 8.939 ms  
Loss rate: 1.53%  
-- Flow 2:  
Average throughput: 1.62 Mbit/s  
95th percentile per-packet one-way delay: 8.440 ms  
Loss rate: 1.33%  
-- Flow 3:  
Average throughput: 0.56 Mbit/s  
95th percentile per-packet one-way delay: 7.928 ms  
Loss rate: 0.11%

Run 7: Report of WebRTC media — Data Link

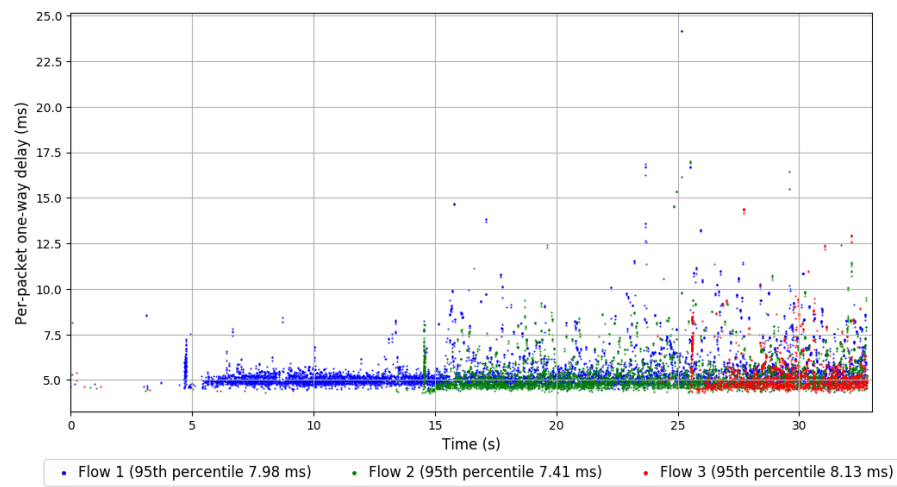
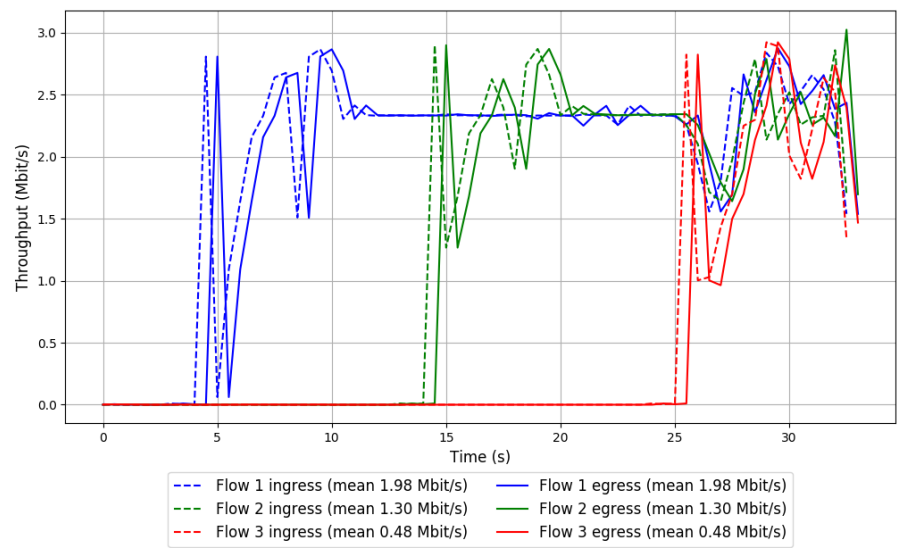


Run 8: Statistics of WebRTC media

Start at: 2018-06-05 13:48:34  
End at: 2018-06-05 13:49:04  
Local clock offset: -0.762 ms  
Remote clock offset: -3.353 ms

# Below is generated by plot.py at 2018-06-05 14:54:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.75 Mbit/s  
95th percentile per-packet one-way delay: 7.784 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.98 Mbit/s  
95th percentile per-packet one-way delay: 7.982 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.30 Mbit/s  
95th percentile per-packet one-way delay: 7.411 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.48 Mbit/s  
95th percentile per-packet one-way delay: 8.132 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

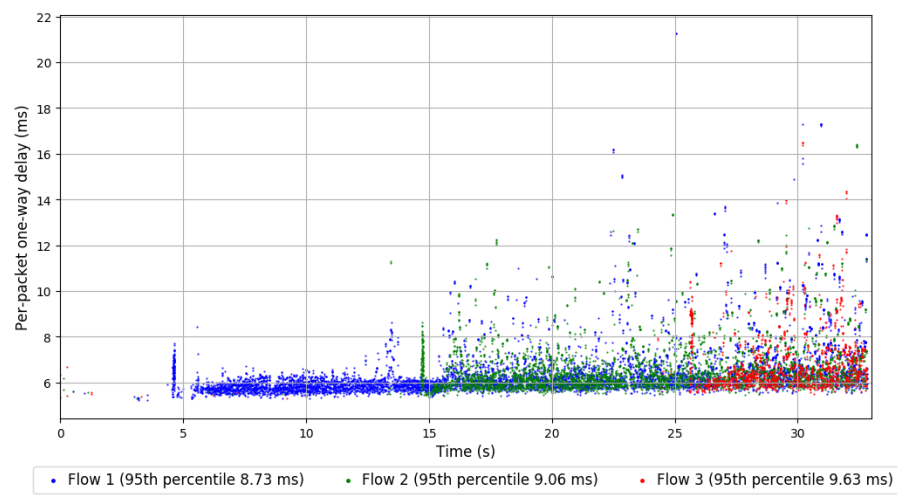
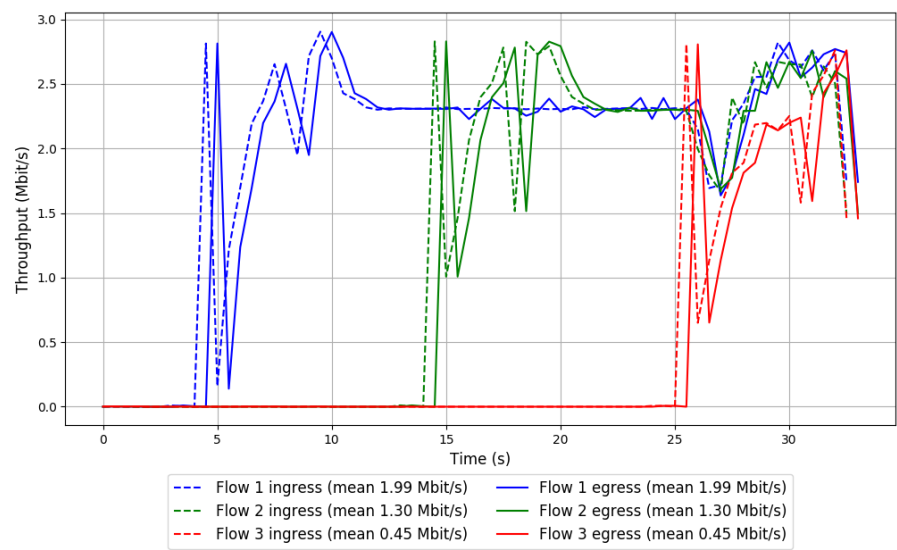


Run 9: Statistics of WebRTC media

Start at: 2018-06-05 14:07:27  
End at: 2018-06-05 14:07:57  
Local clock offset: -1.666 ms  
Remote clock offset: -16.884 ms

# Below is generated by plot.py at 2018-06-05 14:54:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.74 Mbit/s  
95th percentile per-packet one-way delay: 9.102 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.99 Mbit/s  
95th percentile per-packet one-way delay: 8.733 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.30 Mbit/s  
95th percentile per-packet one-way delay: 9.056 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.45 Mbit/s  
95th percentile per-packet one-way delay: 9.633 ms  
Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-06-05 14:26:04  
End at: 2018-06-05 14:26:34  
Local clock offset: -3.225 ms  
Remote clock offset: -19.147 ms

# Below is generated by plot.py at 2018-06-05 14:54:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.20 Mbit/s  
95th percentile per-packet one-way delay: 12.694 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 2.08 Mbit/s  
95th percentile per-packet one-way delay: 12.601 ms  
Loss rate: 0.06%  
-- Flow 2:  
Average throughput: 1.60 Mbit/s  
95th percentile per-packet one-way delay: 12.567 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 0.54 Mbit/s  
95th percentile per-packet one-way delay: 13.382 ms  
Loss rate: 0.75%



Run 10: Report of WebRTC media — Data Link

