

## Pantheon Report

Generated at 2017-12-12 05:50:32 (UTC).

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

Repeated the test of 14 congestion control schemes 10 times.

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

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

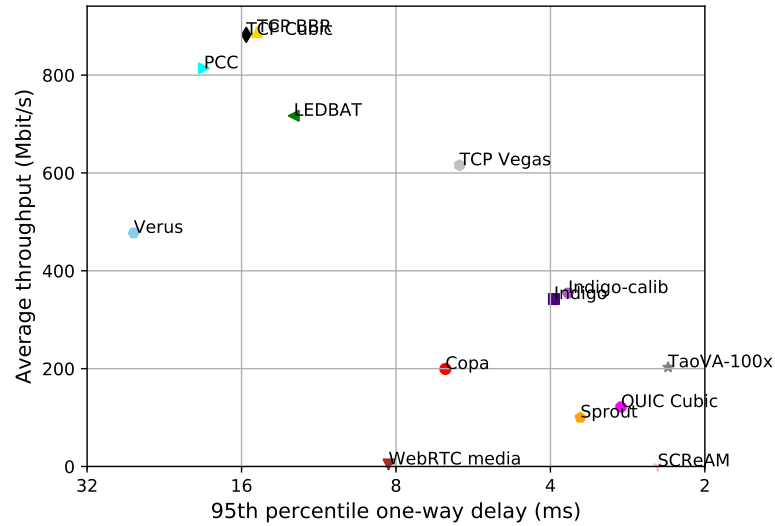
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against **gps.ntp.br** and have been applied to correct the timestamps in logs.

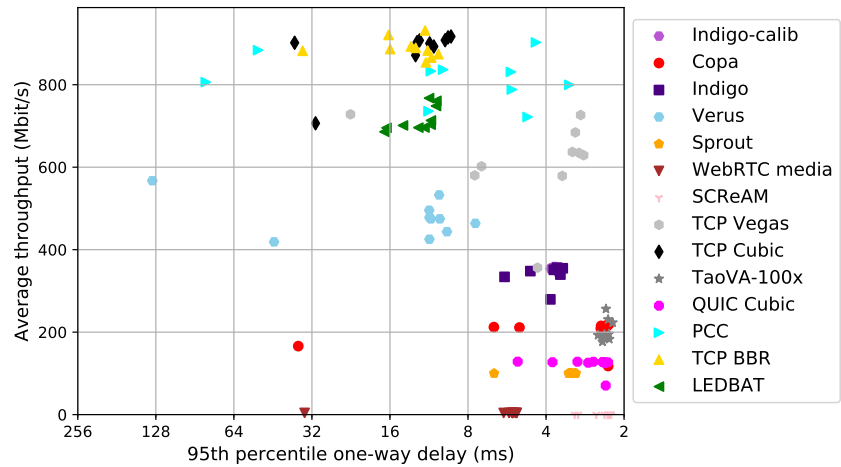
Git summary:

```
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fabb936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



| scheme       | # runs | mean avg tput (Mbit/s) |        |        | mean 95th-%ile delay (ms) |        |        | mean loss rate (%) |        |        |
|--------------|--------|------------------------|--------|--------|---------------------------|--------|--------|--------------------|--------|--------|
|              |        | flow 1                 | flow 2 | flow 3 | flow 1                    | flow 2 | flow 3 | flow 1             | flow 2 | flow 3 |
| TCP BBR      | 10     | 531.82                 | 377.27 | 319.68 | 14.33                     | 12.18  | 8.74   | 11.57              | 21.30  | 25.75  |
| TCP Cubic    | 10     | 502.39                 | 400.03 | 341.59 | 16.90                     | 5.92   | 5.15   | 0.03               | 0.03   | 0.03   |
| LEDBAT       | 10     | 402.98                 | 339.22 | 265.42 | 15.41                     | 6.73   | 4.77   | 0.04               | 0.07   | 0.11   |
| PCC          | 10     | 586.93                 | 265.73 | 152.77 | 22.80                     | 4.45   | 4.31   | 0.38               | 0.11   | 0.13   |
| QUIC Cubic   | 10     | 62.54                  | 62.11  | 54.22  | 2.44                      | 3.26   | 3.13   | 0.00               | 0.00   | 0.01   |
| SCReAM       | 10     | 0.22                   | 0.22   | 0.22   | 2.50                      | 2.37   | 2.54   | 0.00               | 0.00   | 0.00   |
| WebRTC media | 10     | 2.33                   | 1.44   | 0.36   | 5.02                      | 5.33   | 10.12  | 0.00               | 0.00   | 0.14   |
| Sprout       | 10     | 50.22                  | 50.16  | 49.91  | 3.55                      | 3.25   | 3.17   | 0.00               | 0.00   | 0.00   |
| TaoVA-100x   | 10     | 93.79                  | 116.62 | 120.62 | 2.36                      | 2.36   | 2.36   | 0.00               | 0.00   | 0.00   |
| TCP Vegas    | 10     | 336.68                 | 281.05 | 276.54 | 7.75                      | 3.07   | 3.51   | 0.01               | 0.01   | 0.01   |
| Verus        | 10     | 279.91                 | 192.78 | 203.81 | 11.20                     | 9.05   | 39.85  | 1.25               | 2.09   | 4.42   |
| Copa         | 10     | 91.41                  | 111.14 | 132.29 | 6.75                      | 2.60   | 2.43   | 0.01               | 0.00   | 0.00   |
| Indigo       | 10     | 177.70                 | 174.46 | 150.60 | 3.18                      | 3.69   | 5.28   | 0.00               | 0.00   | 0.01   |
| Indigo-calib | 10     | 183.61                 | 176.45 | 165.32 | 3.21                      | 3.87   | 4.44   | 0.00               | 0.00   | 0.01   |

Run 1: Statistics of TCP BBR

Start at: 2017-12-11 23:14:00

End at: 2017-12-11 23:14:30

Local clock offset: 0.626 ms

Remote clock offset: 0.672 ms

# Below is generated by plot.py at 2017-12-12 04:18:04

# Datalink statistics

-- Total of 3 flows:

Average throughput: 931.52 Mbit/s

95th percentile per-packet one-way delay: 11.713 ms

Loss rate: 17.05%

-- Flow 1:

Average throughput: 568.05 Mbit/s

95th percentile per-packet one-way delay: 11.827 ms

Loss rate: 12.27%

-- Flow 2:

Average throughput: 374.81 Mbit/s

95th percentile per-packet one-way delay: 7.319 ms

Loss rate: 23.51%

-- Flow 3:

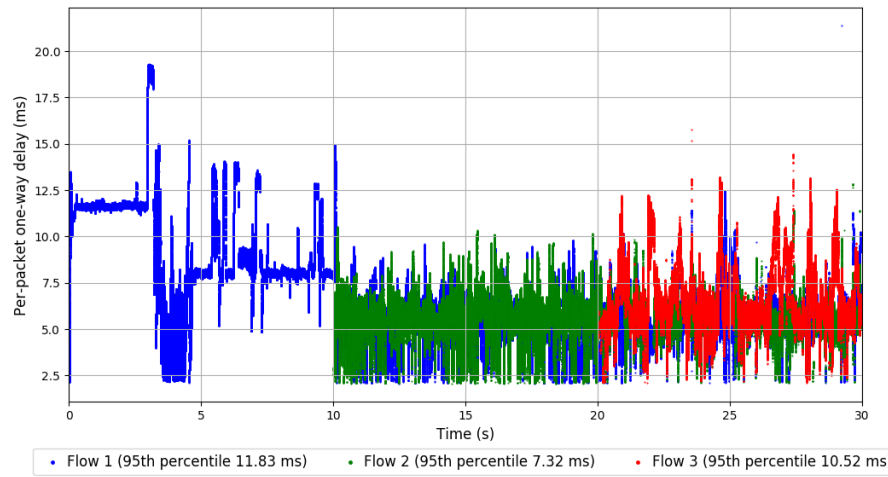
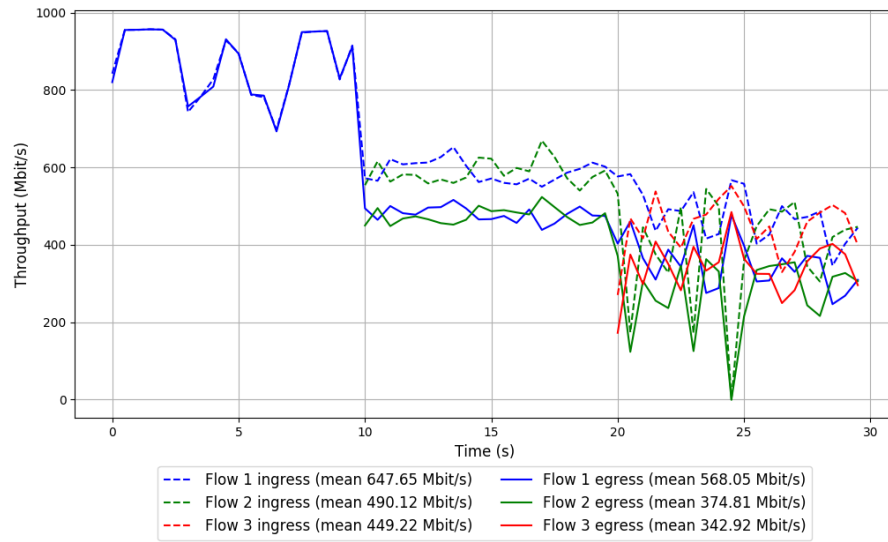
Average throughput: 342.92 Mbit/s

95th percentile per-packet one-way delay: 10.518 ms

Loss rate: 23.65%



# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-12-11 23:33:11

End at: 2017-12-11 23:33:42

Local clock offset: 0.498 ms

Remote clock offset: 0.528 ms

# Below is generated by plot.py at 2017-12-12 04:18:04

# Datalink statistics

-- Total of 3 flows:

Average throughput: 882.83 Mbit/s

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

Loss rate: 16.95%

-- Flow 1:

Average throughput: 495.97 Mbit/s

95th percentile per-packet one-way delay: 12.678 ms

Loss rate: 11.86%

-- Flow 2:

Average throughput: 406.35 Mbit/s

95th percentile per-packet one-way delay: 9.484 ms

Loss rate: 21.14%

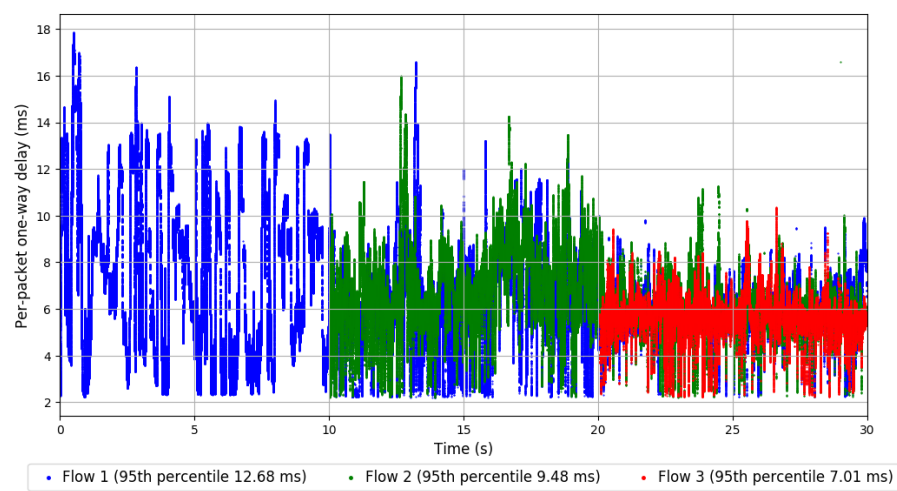
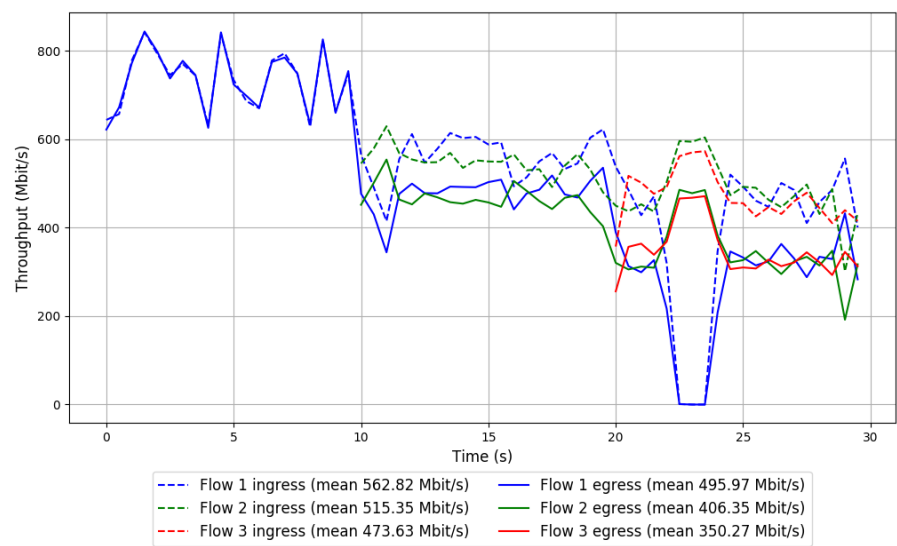
-- Flow 3:

Average throughput: 350.27 Mbit/s

95th percentile per-packet one-way delay: 7.007 ms

Loss rate: 26.04%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-12-11 23:52:39

End at: 2017-12-11 23:53:09

Local clock offset: 0.431 ms

Remote clock offset: 0.359 ms

# Below is generated by plot.py at 2017-12-12 04:18:04

# Datalink statistics

-- Total of 3 flows:

Average throughput: 865.65 Mbit/s

95th percentile per-packet one-way delay: 11.081 ms

Loss rate: 17.54%

-- Flow 1:

Average throughput: 495.24 Mbit/s

95th percentile per-packet one-way delay: 12.891 ms

Loss rate: 13.35%

-- Flow 2:

Average throughput: 422.44 Mbit/s

95th percentile per-packet one-way delay: 7.845 ms

Loss rate: 20.58%

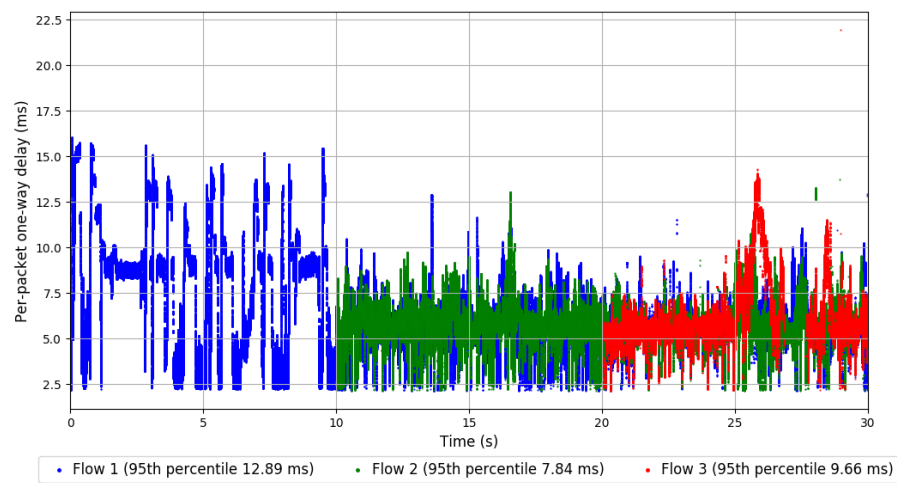
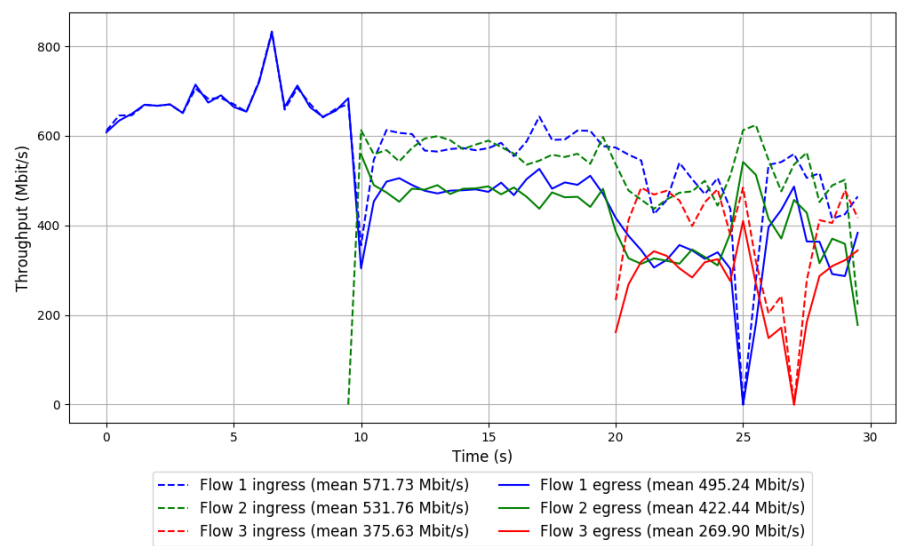
-- Flow 3:

Average throughput: 269.90 Mbit/s

95th percentile per-packet one-way delay: 9.661 ms

Loss rate: 28.13%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-12-12 00:12:08

End at: 2017-12-12 00:12:38

Local clock offset: 0.291 ms

Remote clock offset: 0.132 ms

# Below is generated by plot.py at 2017-12-12 04:18:04

# Datalink statistics

-- Total of 3 flows:

Average throughput: 882.24 Mbit/s

95th percentile per-packet one-way delay: 34.755 ms

Loss rate: 9.99%

-- Flow 1:

Average throughput: 657.73 Mbit/s

95th percentile per-packet one-way delay: 13.329 ms

Loss rate: 6.42%

-- Flow 2:

Average throughput: 120.07 Mbit/s

95th percentile per-packet one-way delay: 41.106 ms

Loss rate: 20.99%

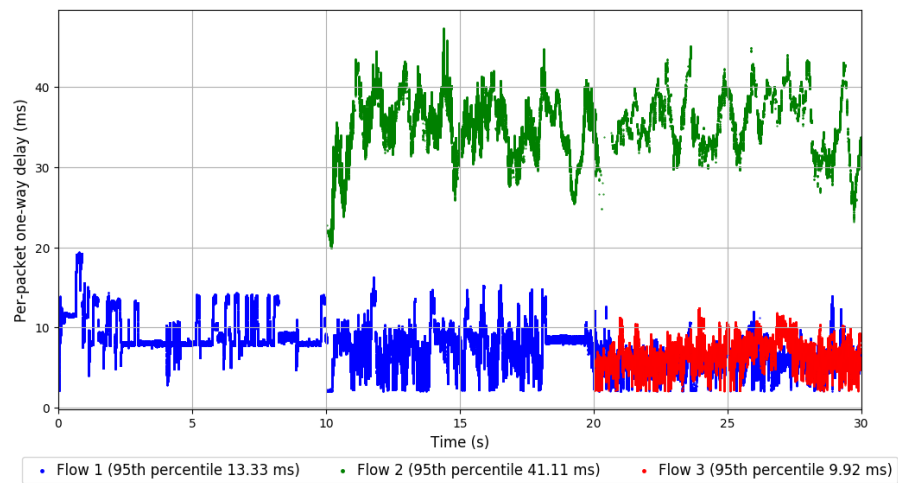
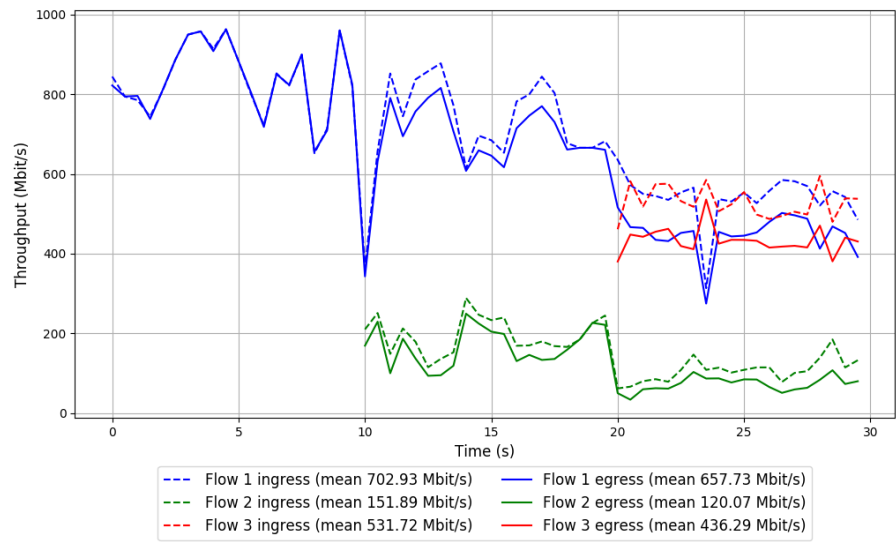
-- Flow 3:

Average throughput: 436.29 Mbit/s

95th percentile per-packet one-way delay: 9.916 ms

Loss rate: 17.93%

# Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-12-12 00:31:43

End at: 2017-12-12 00:32:13

Local clock offset: 0.158 ms

Remote clock offset: 0.066 ms

# Below is generated by plot.py at 2017-12-12 04:18:04

# Datalink statistics

-- Total of 3 flows:

Average throughput: 920.70 Mbit/s

95th percentile per-packet one-way delay: 16.204 ms

Loss rate: 11.72%

-- Flow 1:

Average throughput: 601.83 Mbit/s

95th percentile per-packet one-way delay: 17.688 ms

Loss rate: 8.87%

-- Flow 2:

Average throughput: 381.46 Mbit/s

95th percentile per-packet one-way delay: 11.766 ms

Loss rate: 14.87%

-- Flow 3:

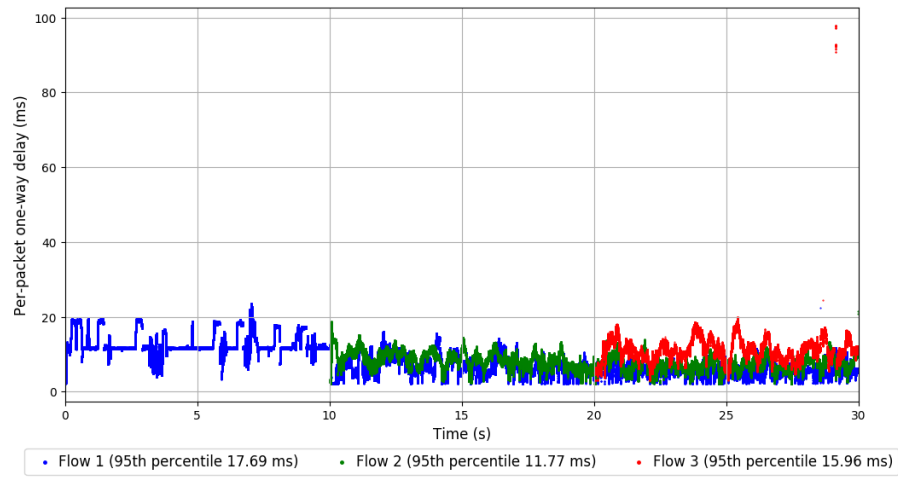
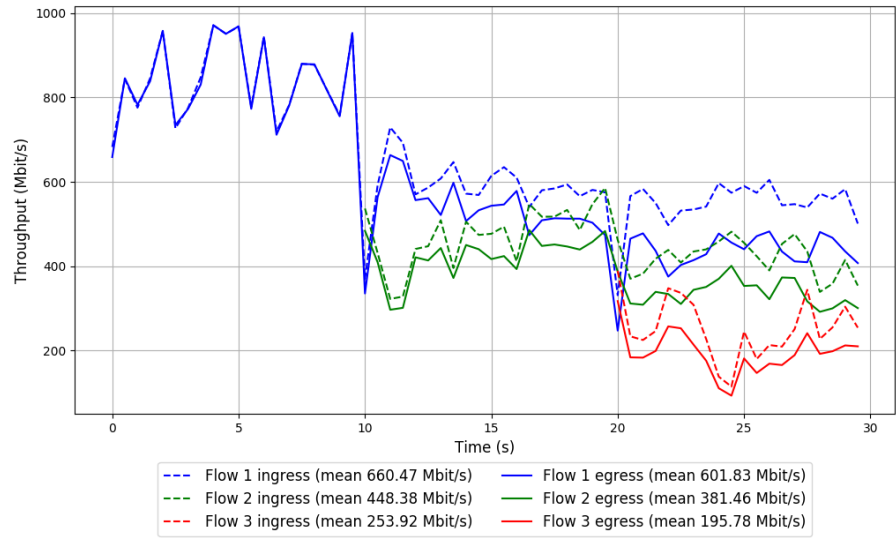
Average throughput: 195.78 Mbit/s

95th percentile per-packet one-way delay: 15.965 ms

Loss rate: 22.89%



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

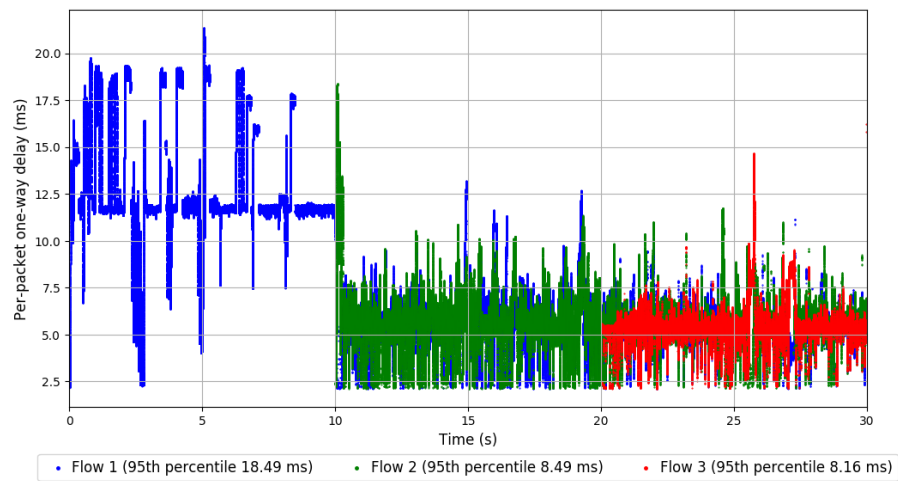
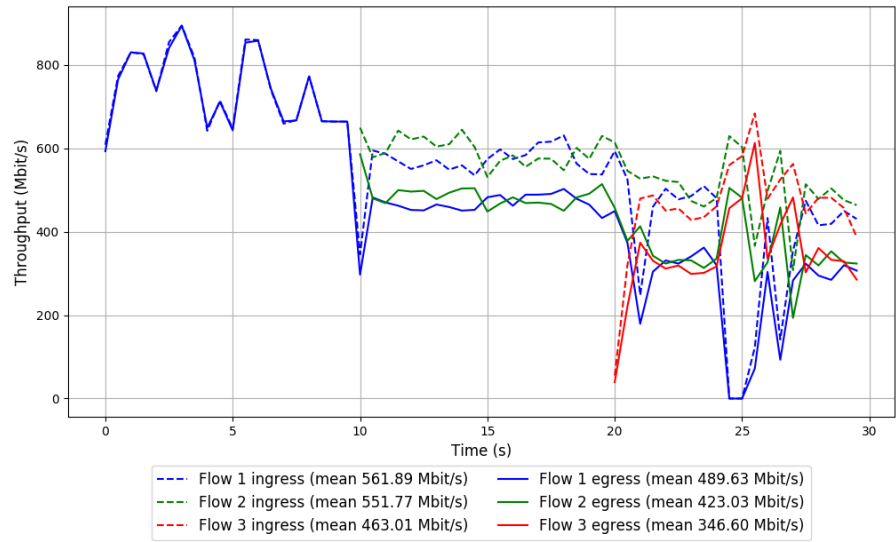


Run 6: Statistics of TCP BBR

Start at: 2017-12-12 00:51:10  
End at: 2017-12-12 00:51:40  
Local clock offset: 0.181 ms  
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2017-12-12 04:18:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 886.36 Mbit/s  
95th percentile per-packet one-way delay: 15.970 ms  
Loss rate: 18.14%  
-- Flow 1:  
Average throughput: 489.63 Mbit/s  
95th percentile per-packet one-way delay: 18.494 ms  
Loss rate: 12.85%  
-- Flow 2:  
Average throughput: 423.03 Mbit/s  
95th percentile per-packet one-way delay: 8.490 ms  
Loss rate: 23.32%  
-- Flow 3:  
Average throughput: 346.60 Mbit/s  
95th percentile per-packet one-way delay: 8.165 ms  
Loss rate: 25.05%

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

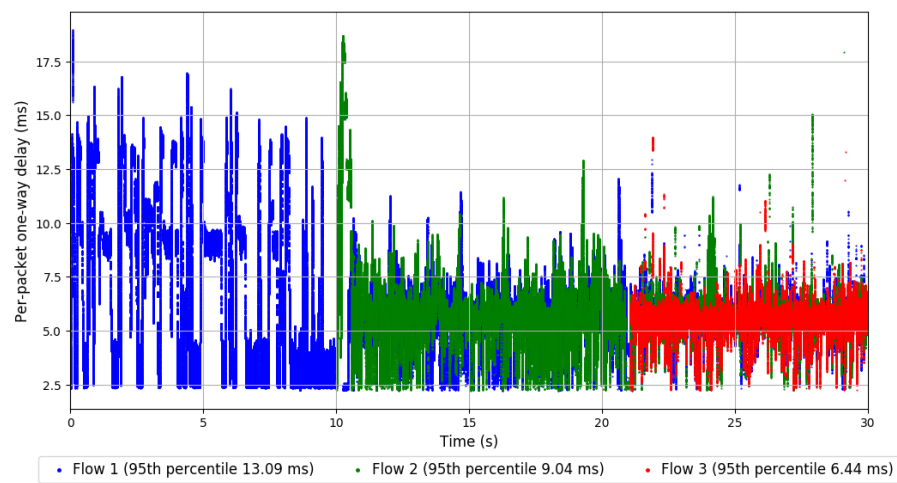
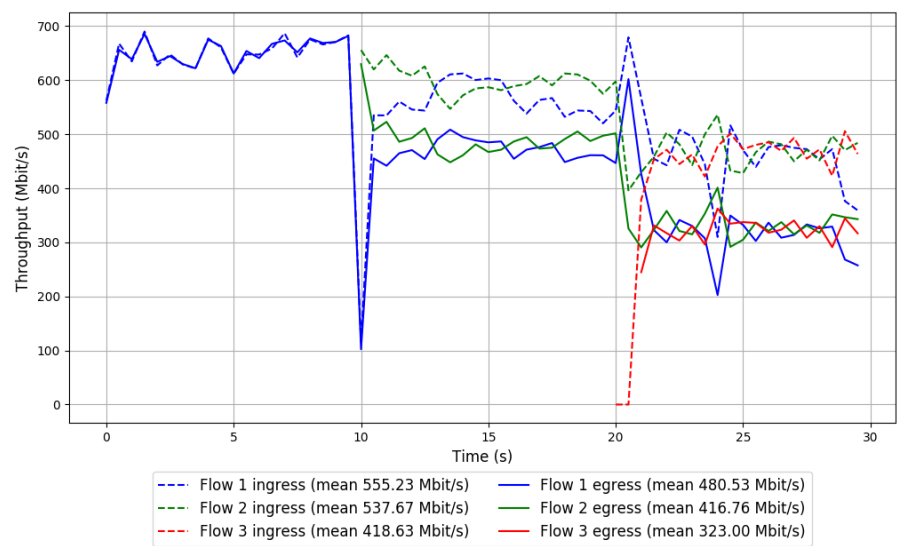


Run 7: Statistics of TCP BBR

Start at: 2017-12-12 01:10:33  
End at: 2017-12-12 01:11:03  
Local clock offset: -0.036 ms  
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2017-12-12 04:18:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 854.35 Mbit/s  
95th percentile per-packet one-way delay: 11.619 ms  
Loss rate: 18.81%  
-- Flow 1:  
Average throughput: 480.53 Mbit/s  
95th percentile per-packet one-way delay: 13.091 ms  
Loss rate: 13.45%  
-- Flow 2:  
Average throughput: 416.76 Mbit/s  
95th percentile per-packet one-way delay: 9.042 ms  
Loss rate: 22.48%  
-- Flow 3:  
Average throughput: 323.00 Mbit/s  
95th percentile per-packet one-way delay: 6.438 ms  
Loss rate: 30.80%

Run 7: Report of TCP BBR — Data Link

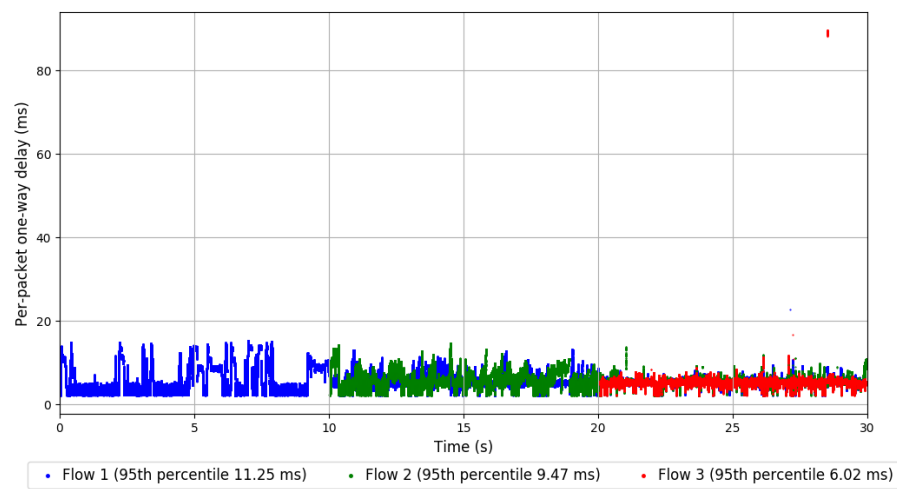
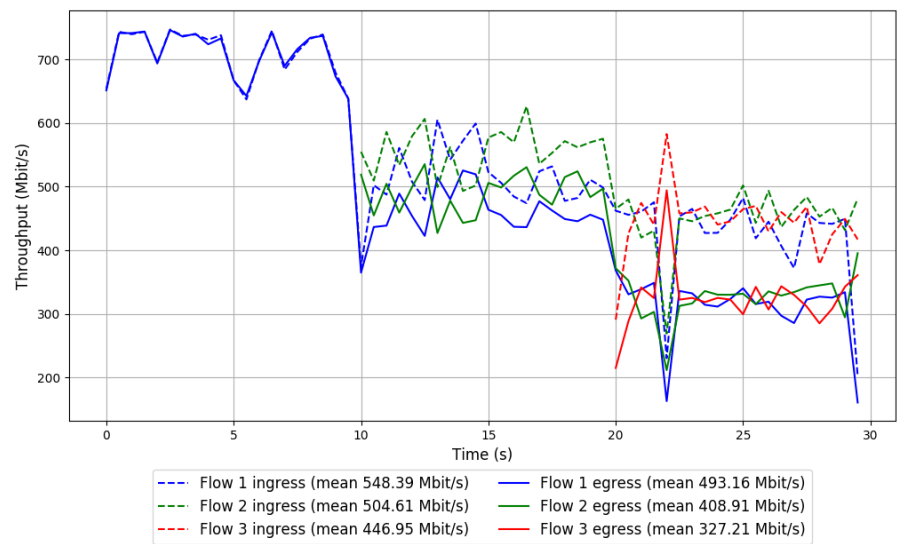


Run 8: Statistics of TCP BBR

Start at: 2017-12-12 01:29:56  
End at: 2017-12-12 01:30:26  
Local clock offset: -0.249 ms  
Remote clock offset: -0.179 ms

# Below is generated by plot.py at 2017-12-12 04:18:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 873.95 Mbit/s  
95th percentile per-packet one-way delay: 10.410 ms  
Loss rate: 15.36%  
-- Flow 1:  
Average throughput: 493.16 Mbit/s  
95th percentile per-packet one-way delay: 11.246 ms  
Loss rate: 10.06%  
-- Flow 2:  
Average throughput: 408.91 Mbit/s  
95th percentile per-packet one-way delay: 9.475 ms  
Loss rate: 18.95%  
-- Flow 3:  
Average throughput: 327.21 Mbit/s  
95th percentile per-packet one-way delay: 6.022 ms  
Loss rate: 26.79%

Run 8: Report of TCP BBR — Data Link



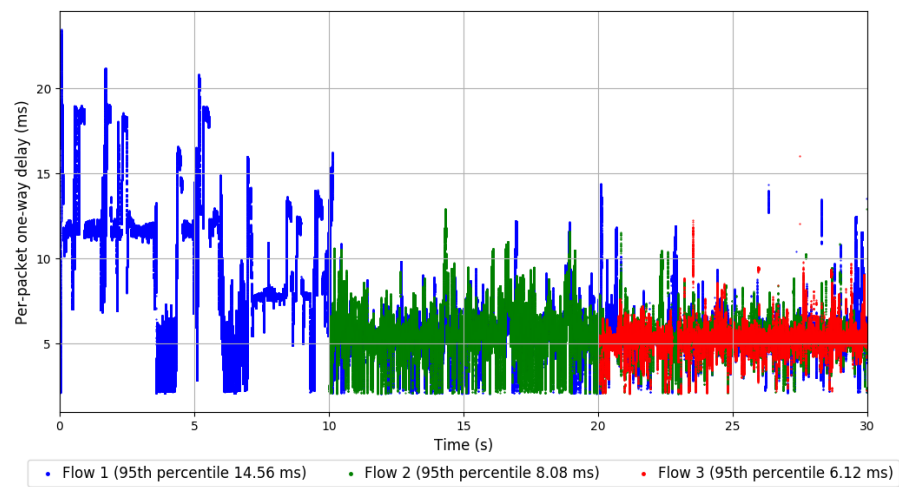
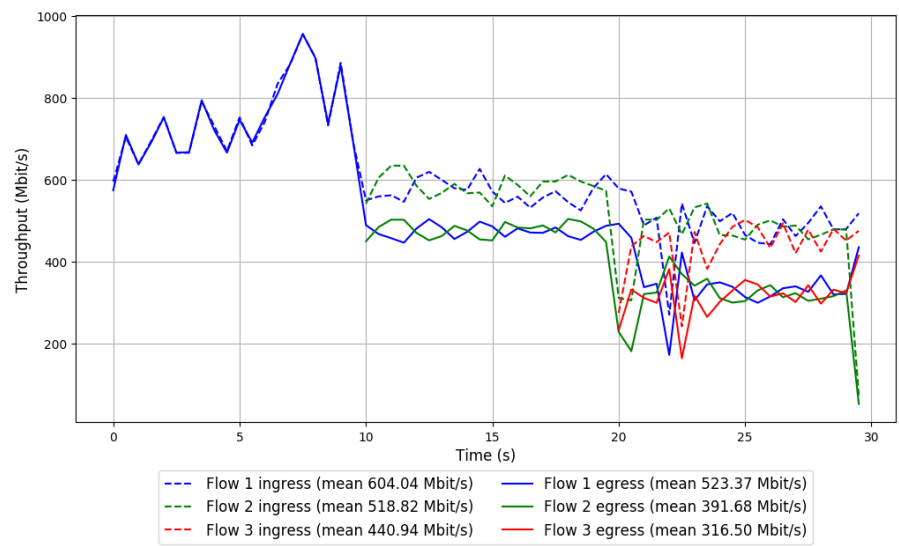
Run 9: Statistics of TCP BBR

Start at: 2017-12-12 01:49:31  
End at: 2017-12-12 01:50:01  
Local clock offset: -0.355 ms  
Remote clock offset: -0.308 ms

# Below is generated by plot.py at 2017-12-12 04:29:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 889.36 Mbit/s  
95th percentile per-packet one-way delay: 12.734 ms  
Loss rate: 18.83%  
-- Flow 1:  
Average throughput: 523.37 Mbit/s  
95th percentile per-packet one-way delay: 14.563 ms  
Loss rate: 13.32%  
-- Flow 2:  
Average throughput: 391.68 Mbit/s  
95th percentile per-packet one-way delay: 8.080 ms  
Loss rate: 24.46%  
-- Flow 3:  
Average throughput: 316.50 Mbit/s  
95th percentile per-packet one-way delay: 6.119 ms  
Loss rate: 28.24%



Run 9: Report of TCP BBR — Data Link

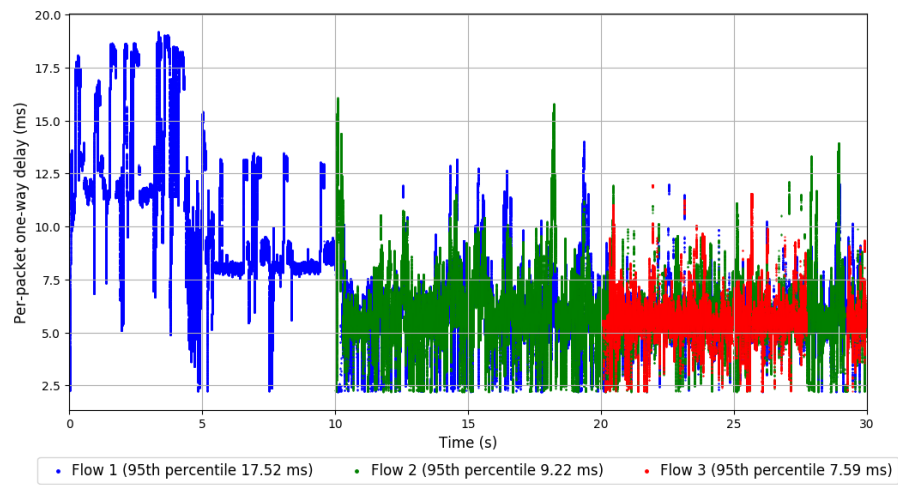
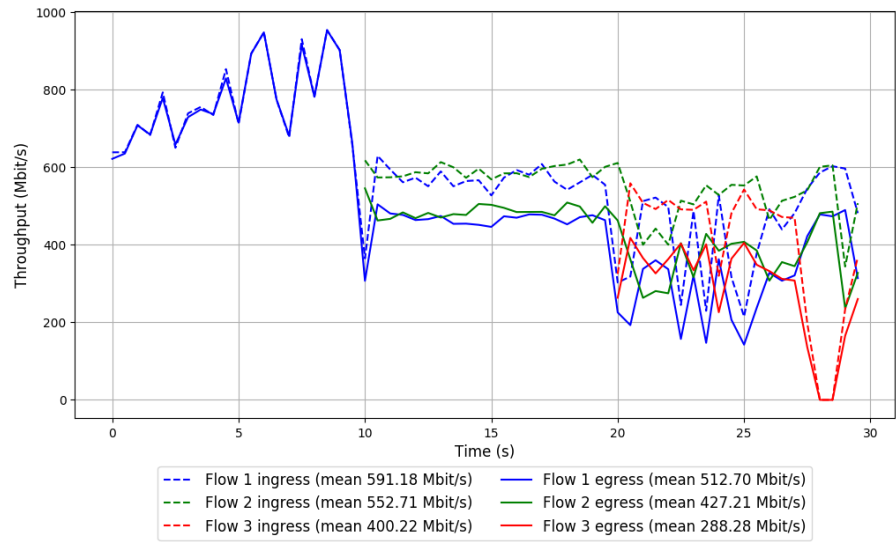


Run 10: Statistics of TCP BBR

Start at: 2017-12-12 02:09:01  
End at: 2017-12-12 02:09:31  
Local clock offset: -0.662 ms  
Remote clock offset: -0.274 ms

# Below is generated by plot.py at 2017-12-12 04:30:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 892.83 Mbit/s  
95th percentile per-packet one-way delay: 13.278 ms  
Loss rate: 18.23%  
-- Flow 1:  
Average throughput: 512.70 Mbit/s  
95th percentile per-packet one-way delay: 17.518 ms  
Loss rate: 13.27%  
-- Flow 2:  
Average throughput: 427.21 Mbit/s  
95th percentile per-packet one-way delay: 9.220 ms  
Loss rate: 22.69%  
-- Flow 3:  
Average throughput: 288.28 Mbit/s  
95th percentile per-packet one-way delay: 7.592 ms  
Loss rate: 27.97%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-12-11 23:05:11

End at: 2017-12-11 23:05:41

Local clock offset: 0.663 ms

Remote clock offset: 0.835 ms

# Below is generated by plot.py at 2017-12-12 04:30:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 907.44 Mbit/s

95th percentile per-packet one-way delay: 12.307 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 549.27 Mbit/s

95th percentile per-packet one-way delay: 12.881 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 381.28 Mbit/s

95th percentile per-packet one-way delay: 5.124 ms

Loss rate: 0.03%

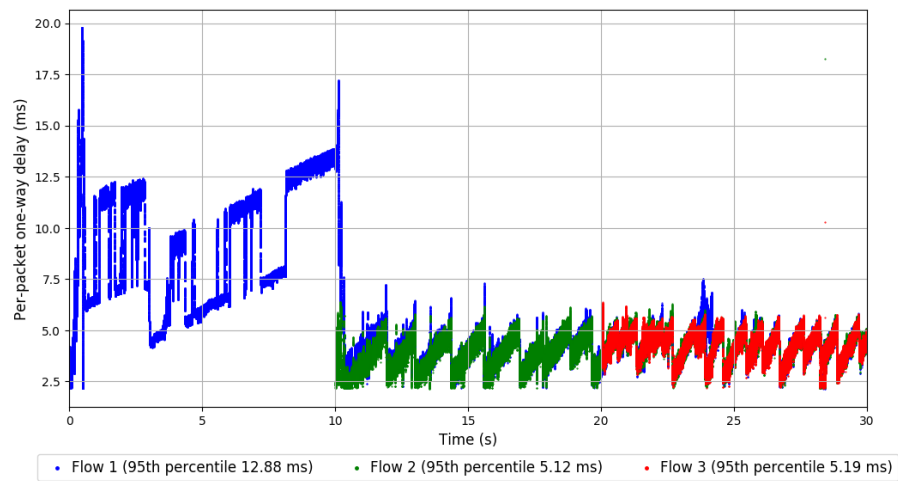
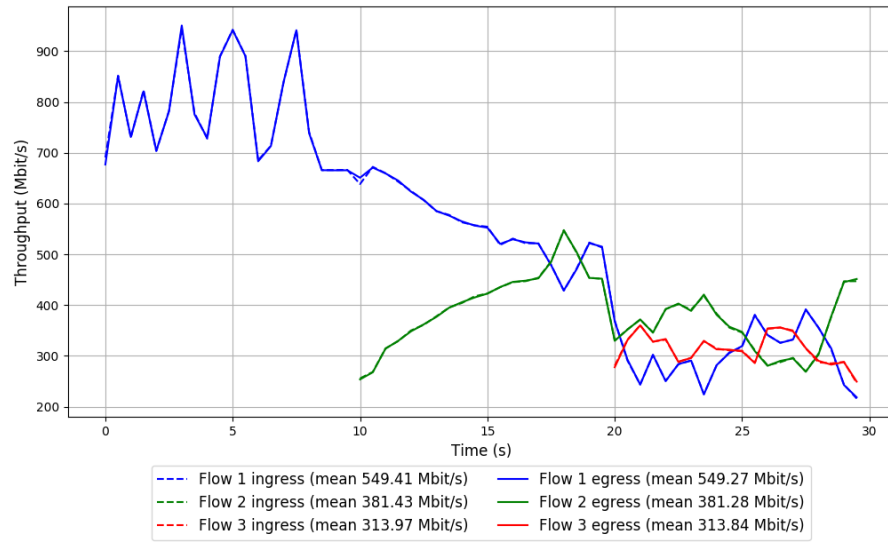
-- Flow 3:

Average throughput: 313.84 Mbit/s

95th percentile per-packet one-way delay: 5.186 ms

Loss rate: 0.03%

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



Run 2: Statistics of TCP Cubic

Start at: 2017-12-11 23:24:24

End at: 2017-12-11 23:24:54

Local clock offset: 0.594 ms

Remote clock offset: 0.568 ms

# Below is generated by plot.py at 2017-12-12 04:30:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 903.20 Mbit/s

95th percentile per-packet one-way delay: 12.575 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 527.21 Mbit/s

95th percentile per-packet one-way delay: 13.162 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 381.10 Mbit/s

95th percentile per-packet one-way delay: 5.187 ms

Loss rate: 0.02%

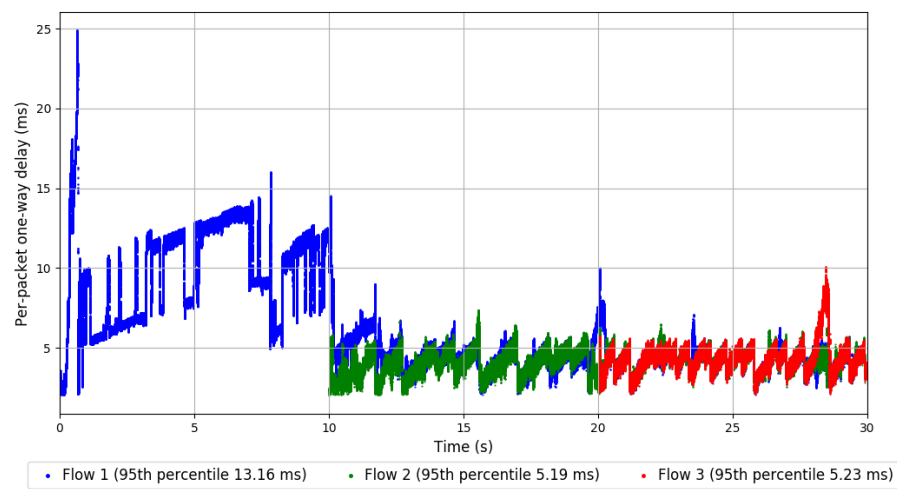
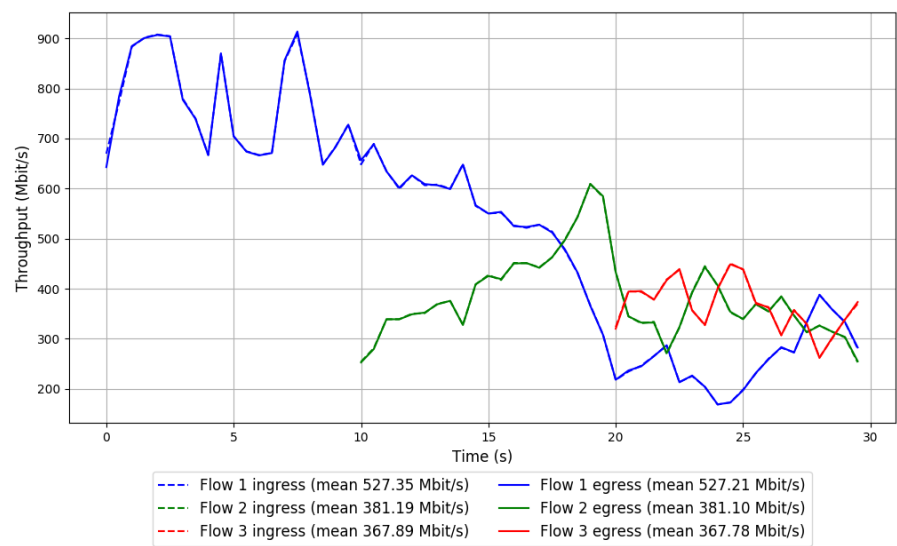
-- Flow 3:

Average throughput: 367.78 Mbit/s

95th percentile per-packet one-way delay: 5.227 ms

Loss rate: 0.02%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: 2017-12-11 23:43:49

End at: 2017-12-11 23:44:19

Local clock offset: 0.479 ms

Remote clock offset: 0.377 ms

# Below is generated by plot.py at 2017-12-12 04:30:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 907.94 Mbit/s

95th percentile per-packet one-way delay: 9.802 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 561.36 Mbit/s

95th percentile per-packet one-way delay: 10.432 ms

Loss rate: 0.02%

-- Flow 2:

Average throughput: 333.52 Mbit/s

95th percentile per-packet one-way delay: 5.608 ms

Loss rate: 0.02%

-- Flow 3:

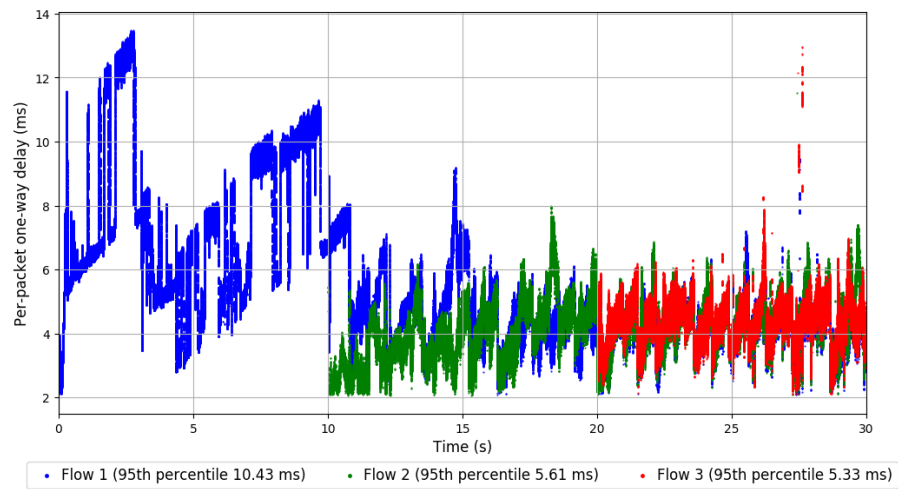
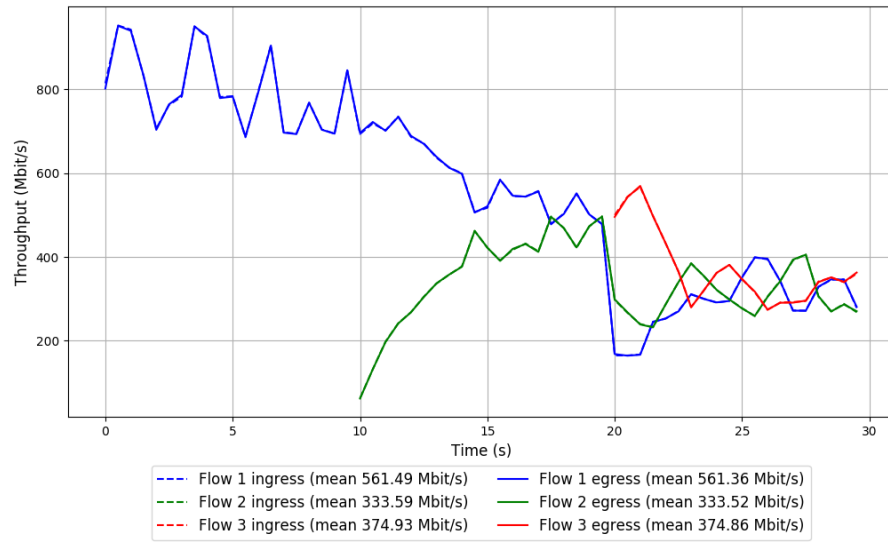
Average throughput: 374.86 Mbit/s

95th percentile per-packet one-way delay: 5.331 ms

Loss rate: 0.01%



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



Run 4: Statistics of TCP Cubic

Start at: 2017-12-12 00:03:15

End at: 2017-12-12 00:03:45

Local clock offset: 0.342 ms

Remote clock offset: 0.257 ms

# Below is generated by plot.py at 2017-12-12 04:30:03

# Datalink statistics

-- Total of 3 flows:

Average throughput: 871.46 Mbit/s

95th percentile per-packet one-way delay: 12.746 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 524.94 Mbit/s

95th percentile per-packet one-way delay: 13.218 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 391.04 Mbit/s

95th percentile per-packet one-way delay: 5.102 ms

Loss rate: 0.02%

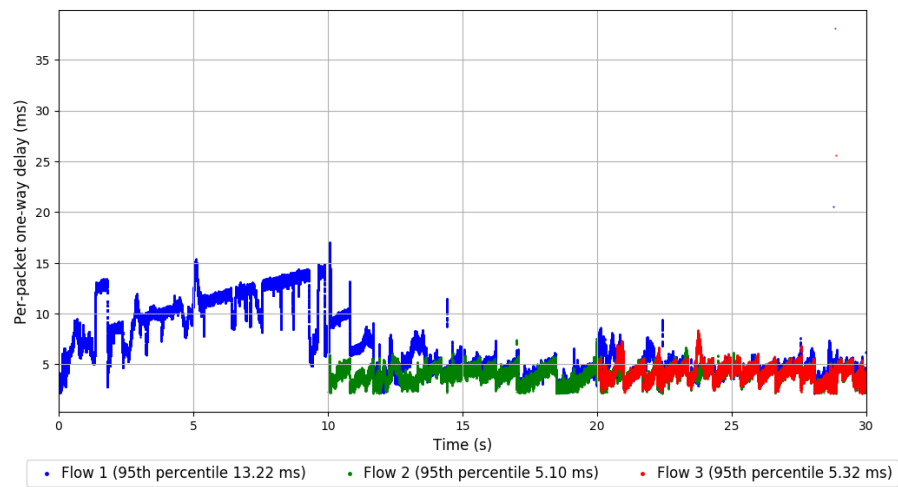
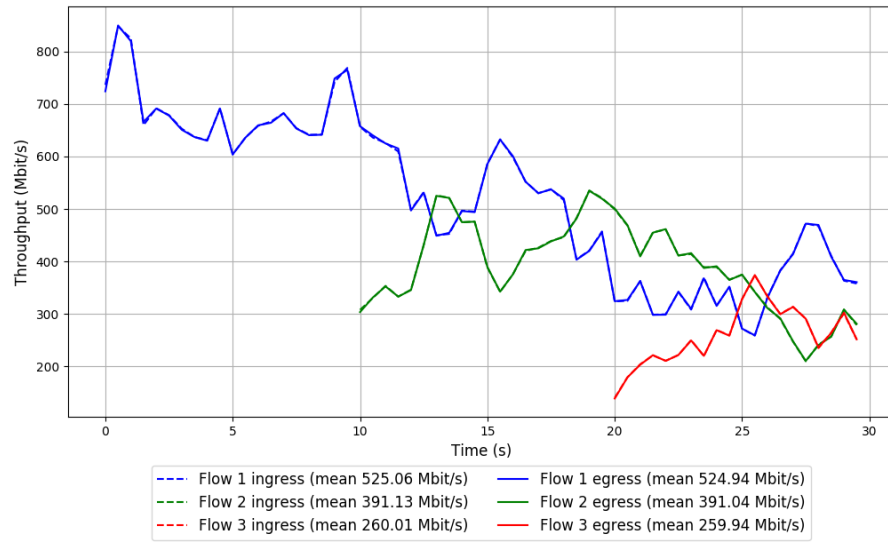
-- Flow 3:

Average throughput: 259.94 Mbit/s

95th percentile per-packet one-way delay: 5.319 ms

Loss rate: 0.03%

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



Run 5: Statistics of TCP Cubic

Start at: 2017-12-12 00:22:53

End at: 2017-12-12 00:23:23

Local clock offset: 0.212 ms

Remote clock offset: 0.085 ms

# Below is generated by plot.py at 2017-12-12 04:30:09

# Datalink statistics

-- Total of 3 flows:

Average throughput: 900.18 Mbit/s

95th percentile per-packet one-way delay: 11.245 ms

Loss rate: 0.03%

-- Flow 1:

Average throughput: 565.53 Mbit/s

95th percentile per-packet one-way delay: 12.221 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 314.47 Mbit/s

95th percentile per-packet one-way delay: 9.719 ms

Loss rate: 0.04%

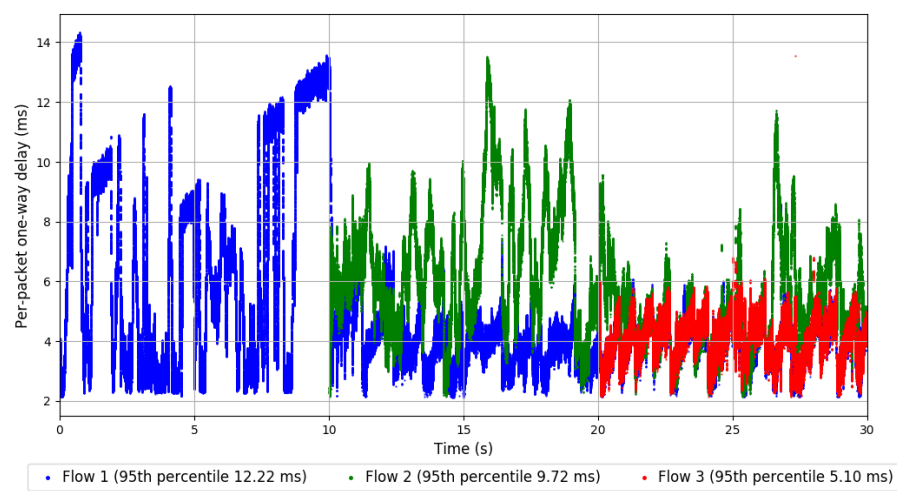
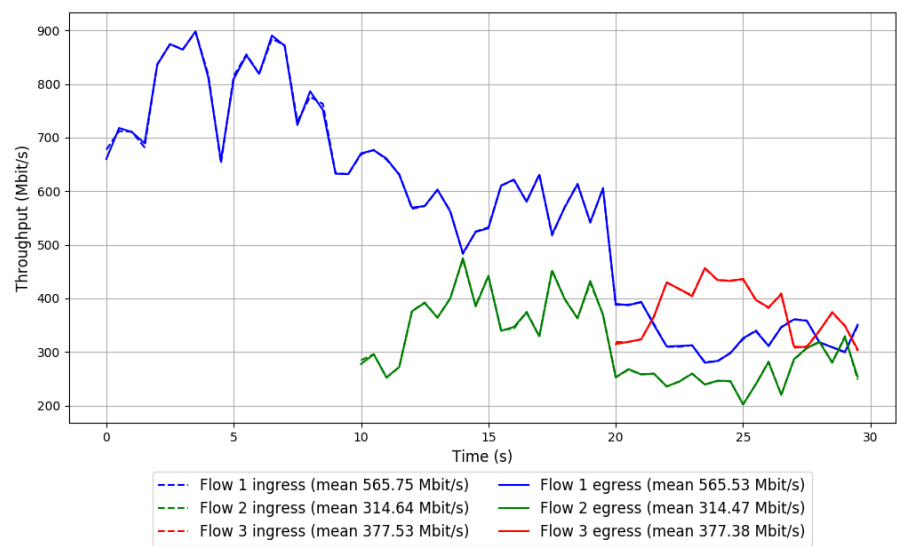
-- Flow 3:

Average throughput: 377.38 Mbit/s

95th percentile per-packet one-way delay: 5.097 ms

Loss rate: 0.02%

Run 5: Report of TCP Cubic — Data Link

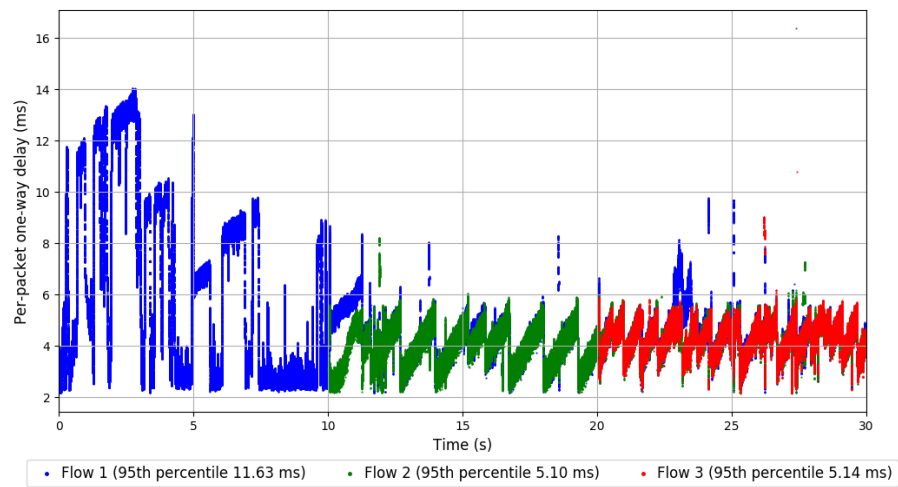
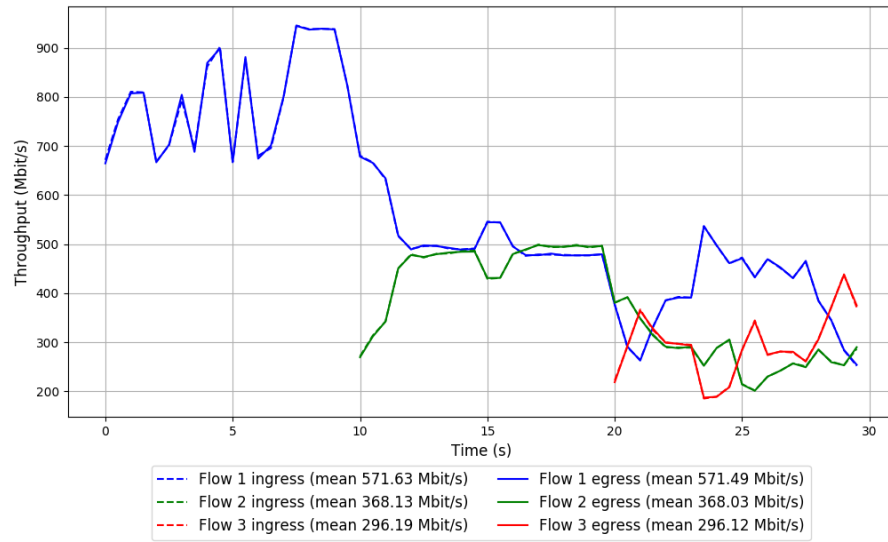


Run 6: Statistics of TCP Cubic

Start at: 2017-12-12 00:42:19  
End at: 2017-12-12 00:42:50  
Local clock offset: 0.129 ms  
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2017-12-12 04:30:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 914.83 Mbit/s  
95th percentile per-packet one-way delay: 9.552 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 571.49 Mbit/s  
95th percentile per-packet one-way delay: 11.631 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 368.03 Mbit/s  
95th percentile per-packet one-way delay: 5.098 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 296.12 Mbit/s  
95th percentile per-packet one-way delay: 5.145 ms  
Loss rate: 0.02%

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



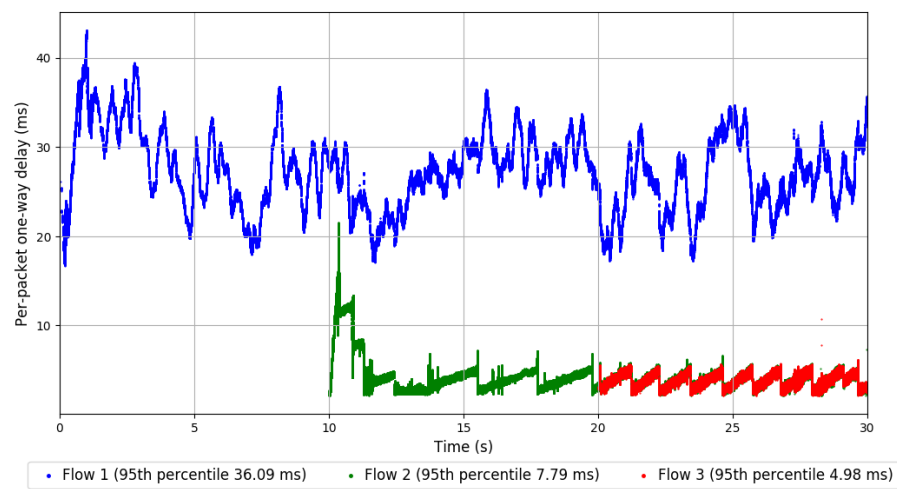
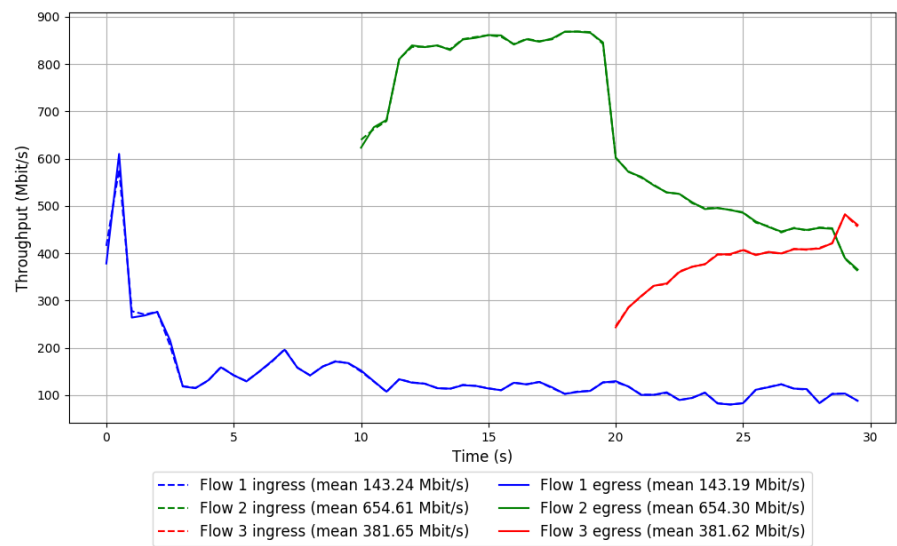
Run 7: Statistics of TCP Cubic

Start at: 2017-12-12 01:01:48  
End at: 2017-12-12 01:02:18  
Local clock offset: 0.189 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2017-12-12 04:38:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 706.48 Mbit/s  
95th percentile per-packet one-way delay: 30.990 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 143.19 Mbit/s  
95th percentile per-packet one-way delay: 36.089 ms  
Loss rate: 0.11%  
-- Flow 2:  
Average throughput: 654.30 Mbit/s  
95th percentile per-packet one-way delay: 7.790 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 381.62 Mbit/s  
95th percentile per-packet one-way delay: 4.979 ms  
Loss rate: 0.01%



Run 7: Report of TCP Cubic — Data Link

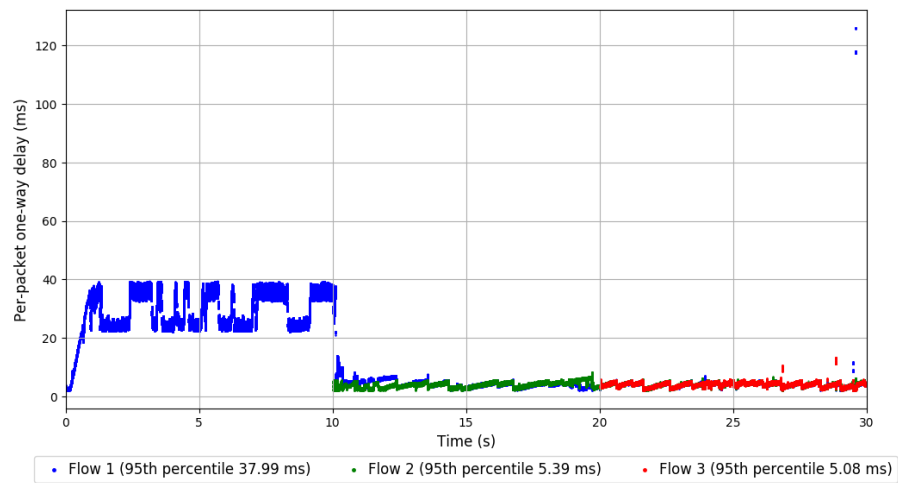
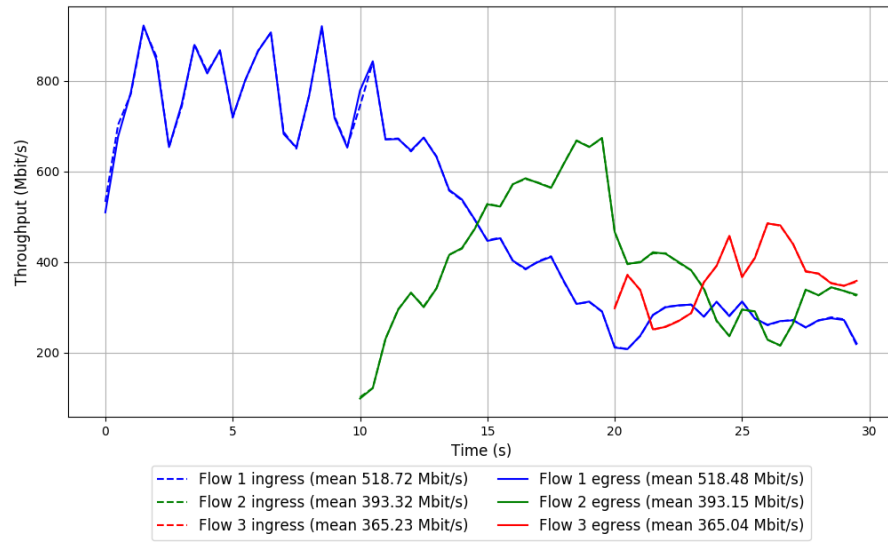


Run 8: Statistics of TCP Cubic

Start at: 2017-12-12 01:21:00  
End at: 2017-12-12 01:21:30  
Local clock offset: -0.152 ms  
Remote clock offset: -0.209 ms

# Below is generated by plot.py at 2017-12-12 04:41:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 901.73 Mbit/s  
95th percentile per-packet one-way delay: 37.309 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 518.48 Mbit/s  
95th percentile per-packet one-way delay: 37.993 ms  
Loss rate: 0.04%  
-- Flow 2:  
Average throughput: 393.15 Mbit/s  
95th percentile per-packet one-way delay: 5.391 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 365.04 Mbit/s  
95th percentile per-packet one-way delay: 5.075 ms  
Loss rate: 0.04%

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

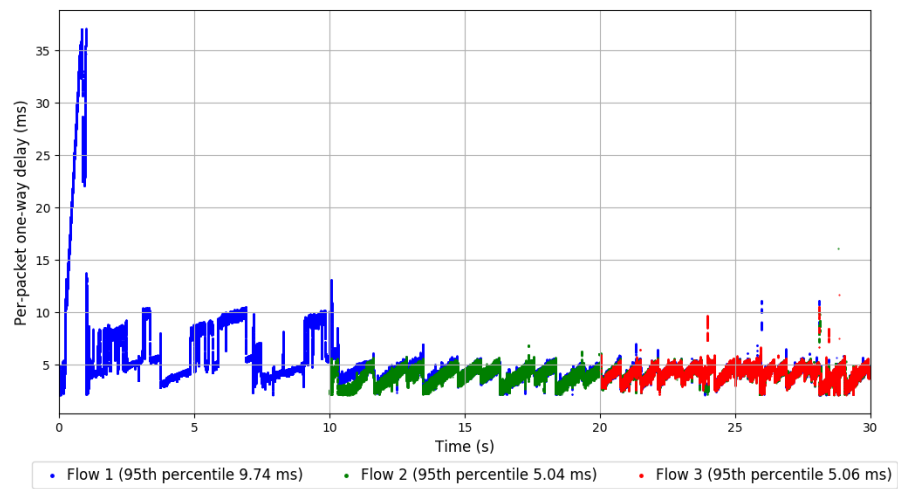
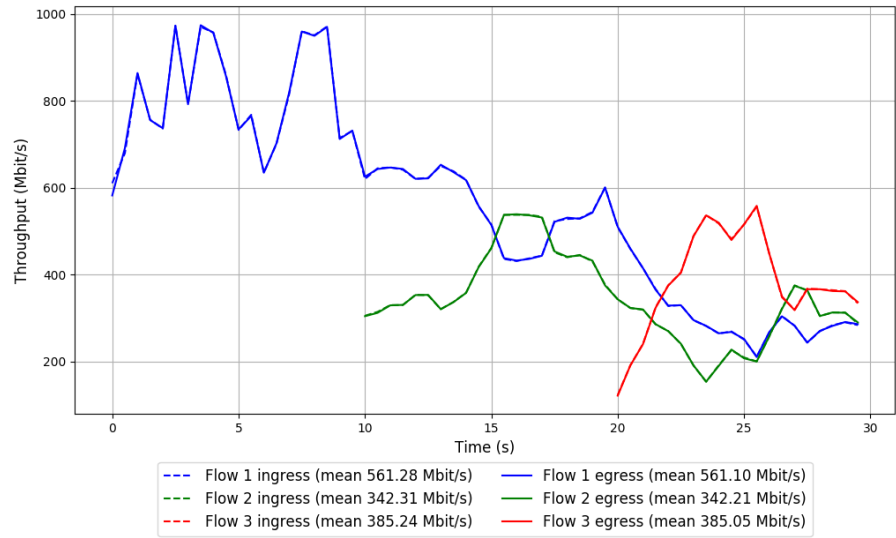


Run 9: Statistics of TCP Cubic

Start at: 2017-12-12 01:40:35  
End at: 2017-12-12 01:41:05  
Local clock offset: -0.336 ms  
Remote clock offset: -0.249 ms

# Below is generated by plot.py at 2017-12-12 04:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 916.96 Mbit/s  
95th percentile per-packet one-way delay: 9.303 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 561.10 Mbit/s  
95th percentile per-packet one-way delay: 9.738 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 342.21 Mbit/s  
95th percentile per-packet one-way delay: 5.036 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 385.05 Mbit/s  
95th percentile per-packet one-way delay: 5.059 ms  
Loss rate: 0.05%

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

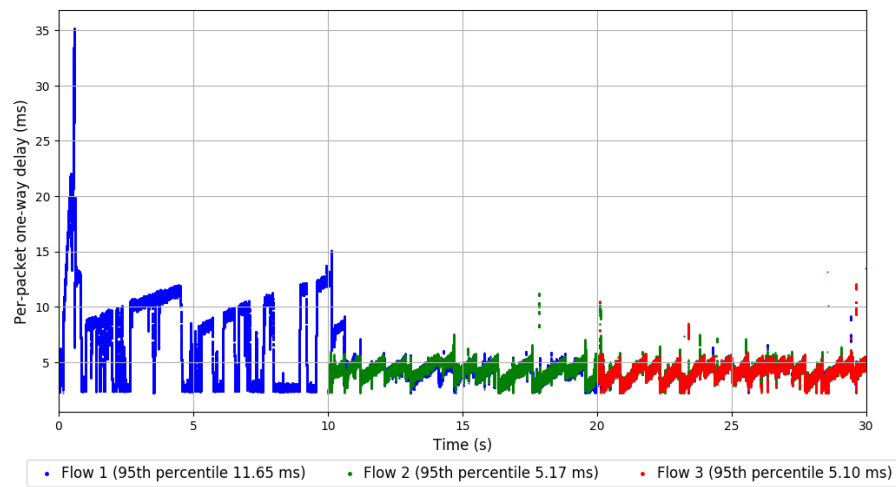
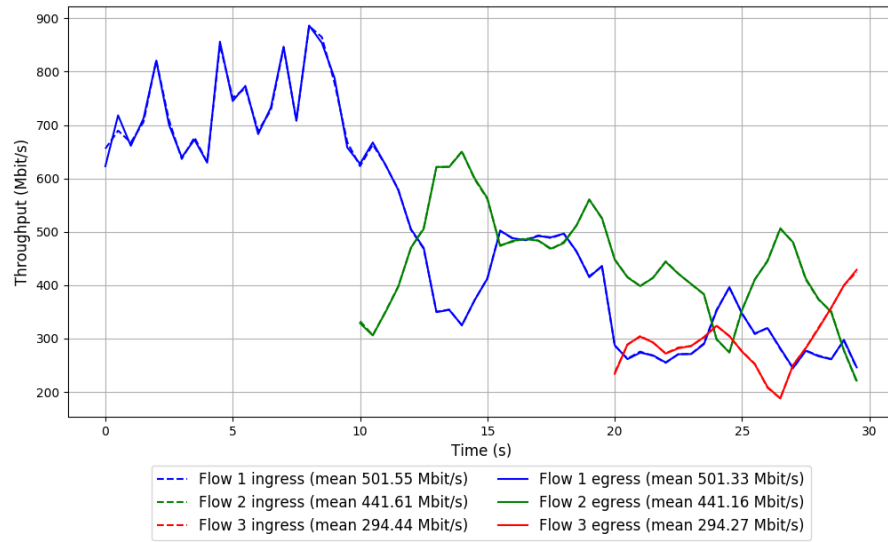


Run 10: Statistics of TCP Cubic

Start at: 2017-12-12 02:00:07  
End at: 2017-12-12 02:00:37  
Local clock offset: -0.555 ms  
Remote clock offset: -0.252 ms

# Below is generated by plot.py at 2017-12-12 04:42:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 892.69 Mbit/s  
95th percentile per-packet one-way delay: 10.835 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 501.33 Mbit/s  
95th percentile per-packet one-way delay: 11.648 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 441.16 Mbit/s  
95th percentile per-packet one-way delay: 5.173 ms  
Loss rate: 0.05%  
-- Flow 3:  
Average throughput: 294.27 Mbit/s  
95th percentile per-packet one-way delay: 5.097 ms  
Loss rate: 0.04%

# Run 10: Report of TCP Cubic — Data Link



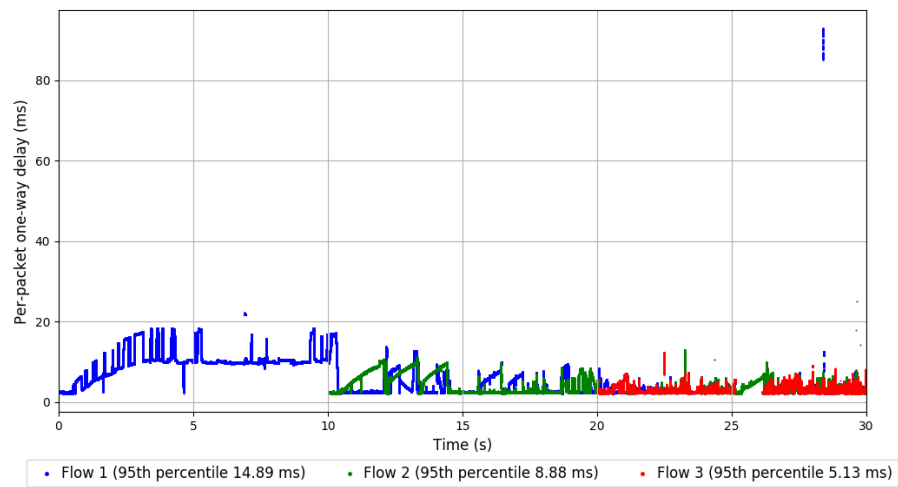
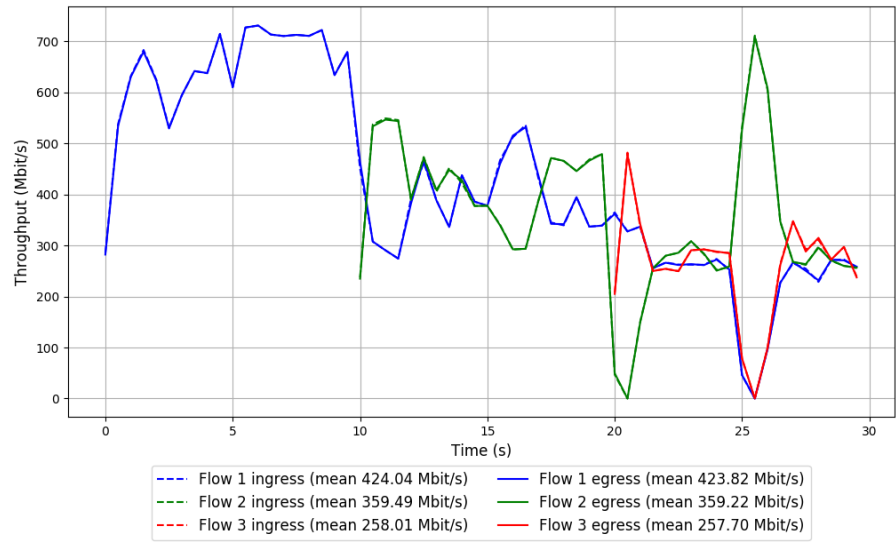
```
Run 1: Statistics of LEDBAT

Start at: 2017-12-11 23:17:11
End at: 2017-12-11 23:17:41
Local clock offset: 0.639 ms
Remote clock offset: 0.707 ms

# Below is generated by plot.py at 2017-12-12 04:42:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 748.39 Mbit/s
95th percentile per-packet one-way delay: 10.628 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 423.82 Mbit/s
95th percentile per-packet one-way delay: 14.887 ms
Loss rate: 0.05%
-- Flow 2:
Average throughput: 359.22 Mbit/s
95th percentile per-packet one-way delay: 8.878 ms
Loss rate: 0.07%
-- Flow 3:
Average throughput: 257.70 Mbit/s
95th percentile per-packet one-way delay: 5.128 ms
Loss rate: 0.11%
```



# Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-12-11 23:36:30

End at: 2017-12-11 23:37:00

Local clock offset: 0.544 ms

Remote clock offset: 0.518 ms

# Below is generated by plot.py at 2017-12-12 04:42:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 767.43 Mbit/s

95th percentile per-packet one-way delay: 11.308 ms

Loss rate: 0.05%

-- Flow 1:

Average throughput: 446.04 Mbit/s

95th percentile per-packet one-way delay: 12.555 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 351.27 Mbit/s

95th percentile per-packet one-way delay: 10.095 ms

Loss rate: 0.07%

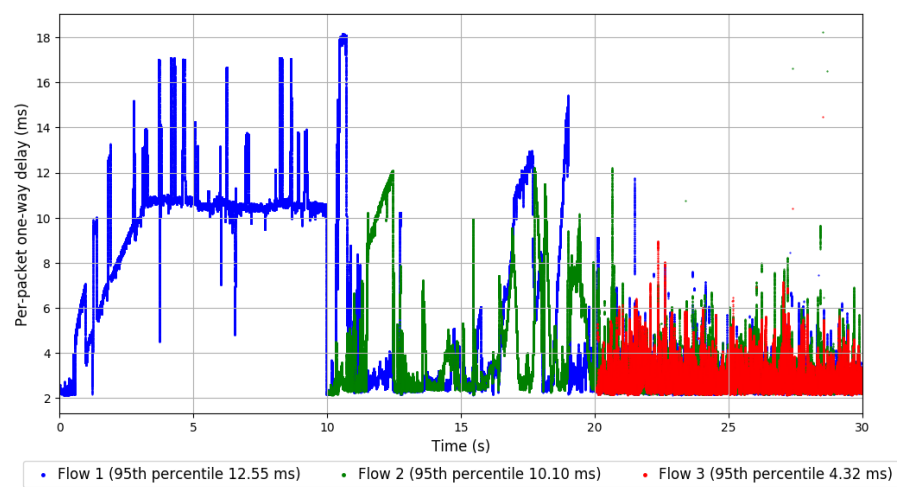
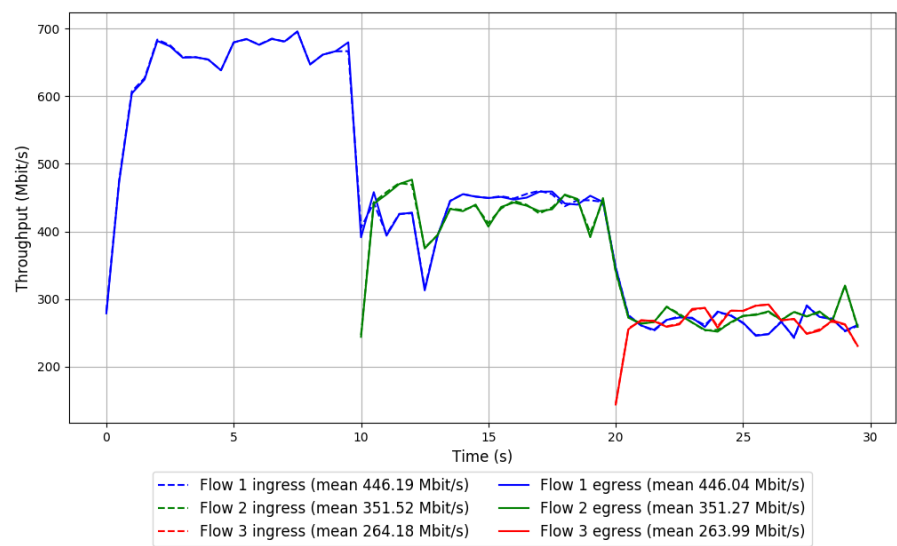
-- Flow 3:

Average throughput: 263.99 Mbit/s

95th percentile per-packet one-way delay: 4.323 ms

Loss rate: 0.08%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-12-11 23:55:57

End at: 2017-12-11 23:56:27

Local clock offset: 0.386 ms

Remote clock offset: 0.322 ms

# Below is generated by plot.py at 2017-12-12 04:42:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 685.82 Mbit/s

95th percentile per-packet one-way delay: 16.805 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 351.68 Mbit/s

95th percentile per-packet one-way delay: 17.865 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 360.24 Mbit/s

95th percentile per-packet one-way delay: 4.745 ms

Loss rate: 0.09%

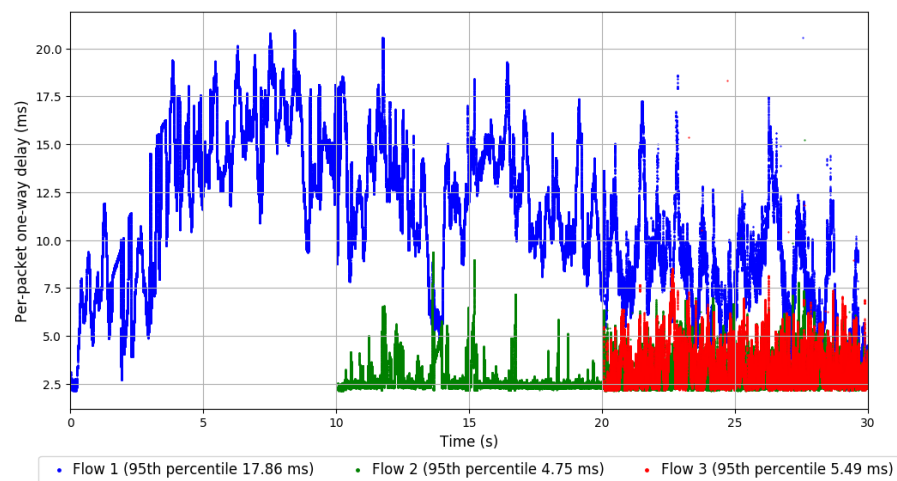
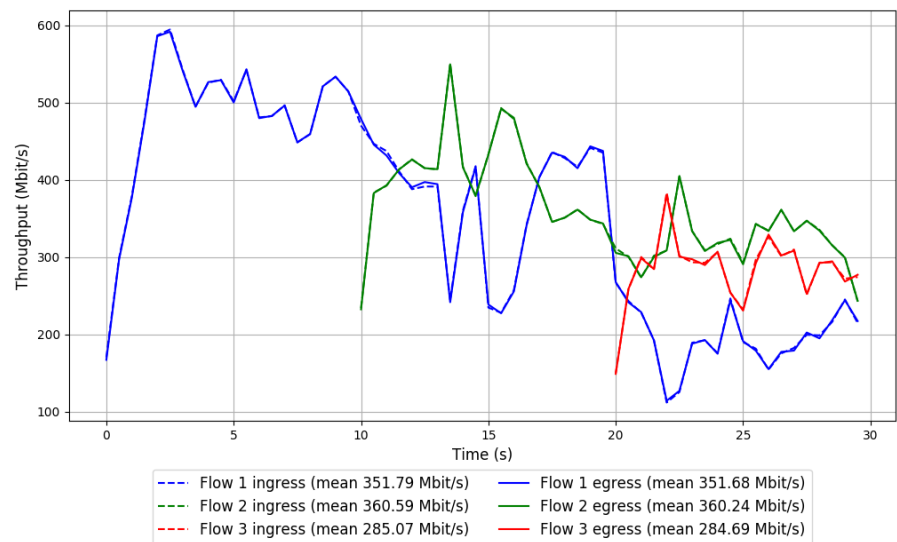
-- Flow 3:

Average throughput: 284.69 Mbit/s

95th percentile per-packet one-way delay: 5.486 ms

Loss rate: 0.12%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-12-12 00:15:30

End at: 2017-12-12 00:16:00

Local clock offset: 0.264 ms

Remote clock offset: 0.166 ms

# Below is generated by plot.py at 2017-12-12 04:42:01

# Datalink statistics

-- Total of 3 flows:

Average throughput: 695.97 Mbit/s

95th percentile per-packet one-way delay: 12.436 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 393.30 Mbit/s

95th percentile per-packet one-way delay: 15.687 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 311.19 Mbit/s

95th percentile per-packet one-way delay: 3.620 ms

Loss rate: 0.08%

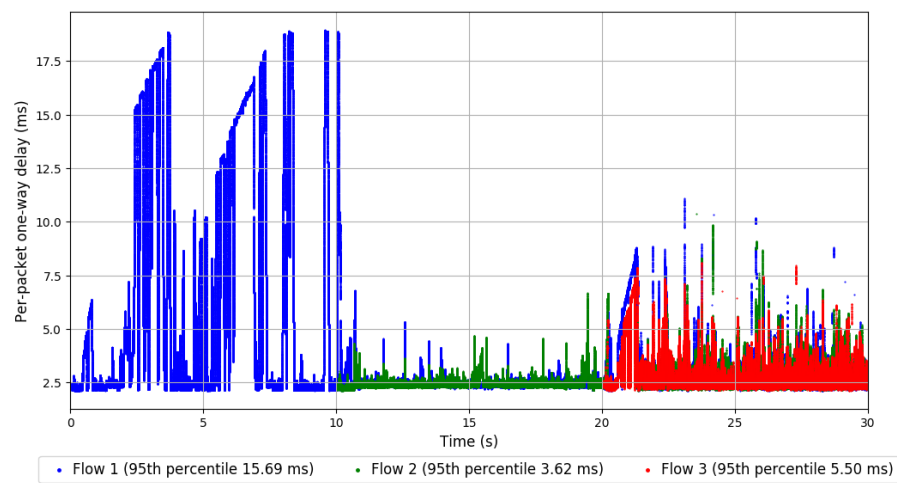
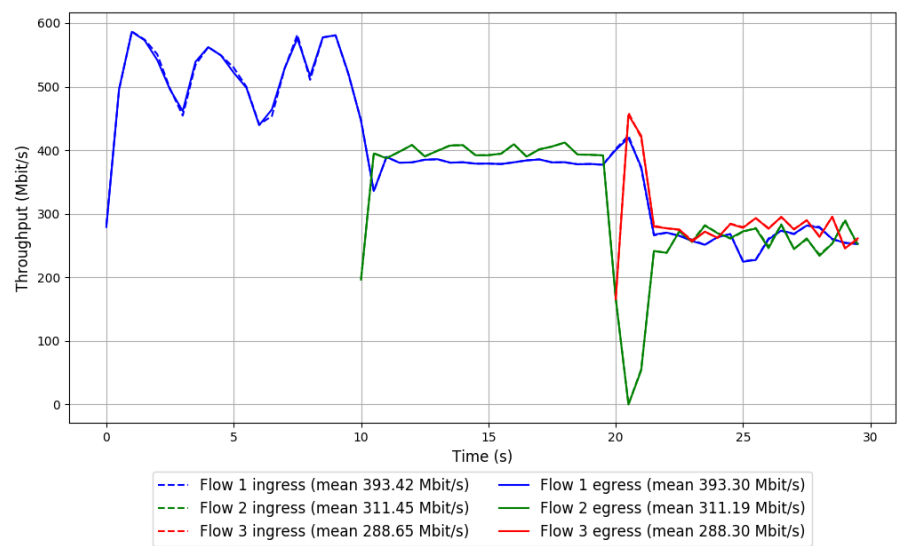
-- Flow 3:

Average throughput: 288.30 Mbit/s

95th percentile per-packet one-way delay: 5.500 ms

Loss rate: 0.12%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-12-12 00:35:04

End at: 2017-12-12 00:35:34

Local clock offset: 0.124 ms

Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2017-12-12 04:48:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 713.36 Mbit/s

95th percentile per-packet one-way delay: 11.122 ms

Loss rate: 0.09%

-- Flow 1:

Average throughput: 414.14 Mbit/s

95th percentile per-packet one-way delay: 14.429 ms

Loss rate: 0.07%

-- Flow 2:

Average throughput: 338.19 Mbit/s

95th percentile per-packet one-way delay: 9.869 ms

Loss rate: 0.10%

-- Flow 3:

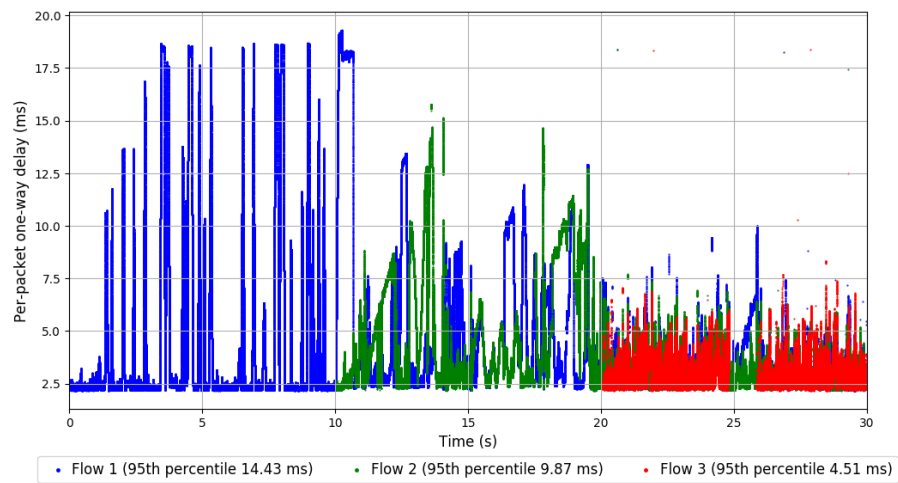
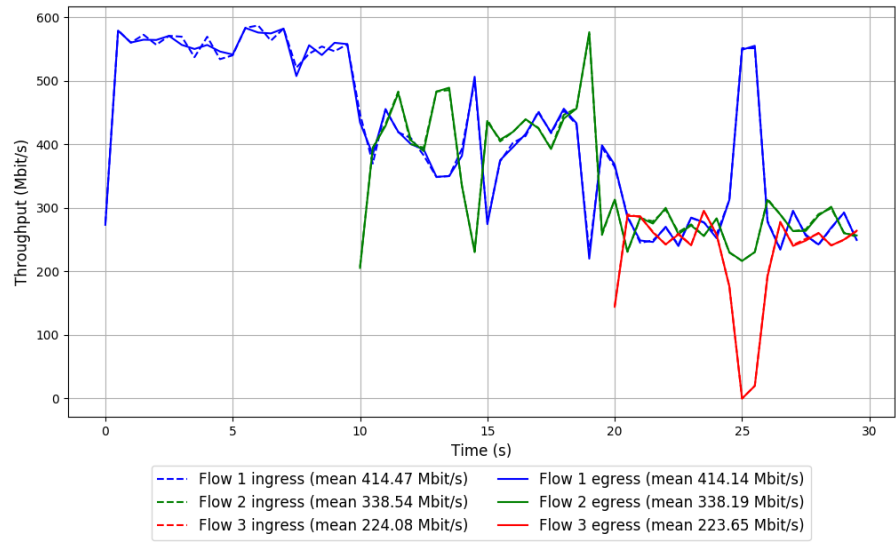
Average throughput: 223.65 Mbit/s

95th percentile per-packet one-way delay: 4.507 ms

Loss rate: 0.20%



## Run 5: Report of LEDBAT — Data Link

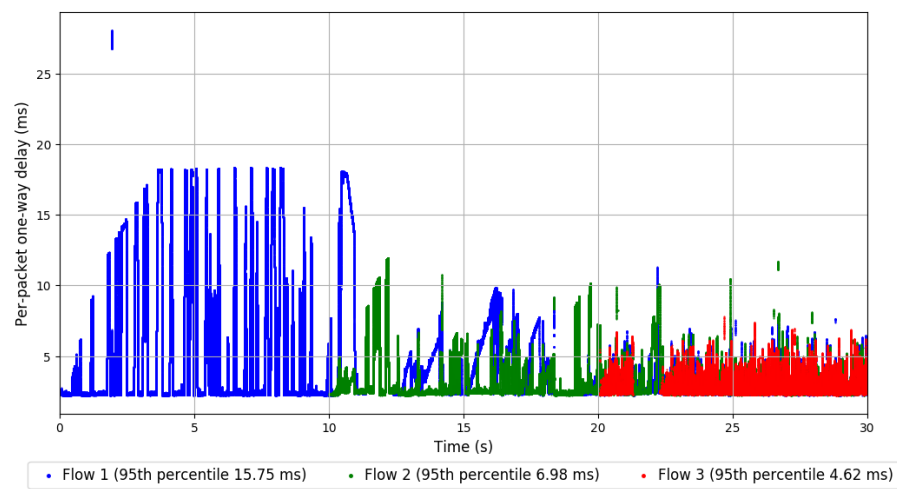
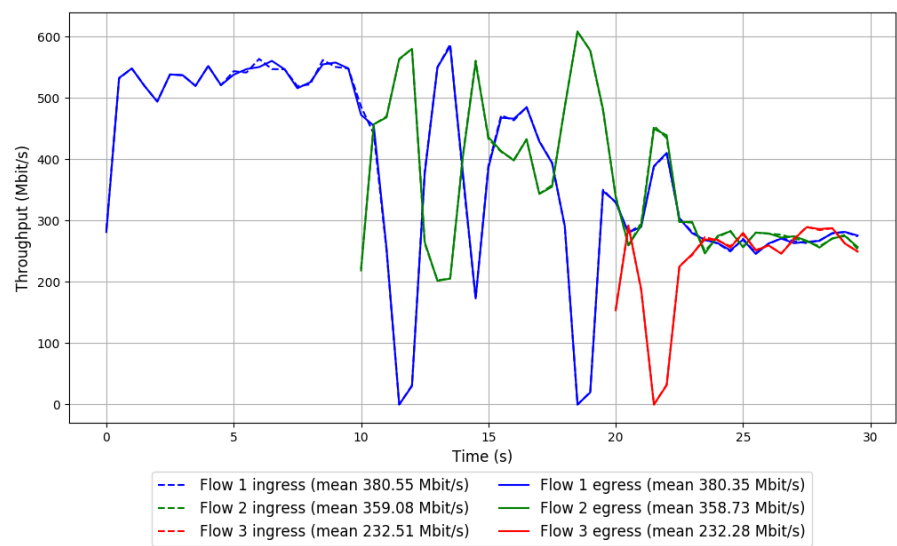


Run 6: Statistics of LEDBAT

Start at: 2017-12-12 00:54:32  
End at: 2017-12-12 00:55:02  
Local clock offset: 0.097 ms  
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2017-12-12 04:48:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 696.22 Mbit/s  
95th percentile per-packet one-way delay: 11.779 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 380.35 Mbit/s  
95th percentile per-packet one-way delay: 15.747 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 358.73 Mbit/s  
95th percentile per-packet one-way delay: 6.981 ms  
Loss rate: 0.09%  
-- Flow 3:  
Average throughput: 232.28 Mbit/s  
95th percentile per-packet one-way delay: 4.620 ms  
Loss rate: 0.10%

Run 6: Report of LEDBAT — Data Link

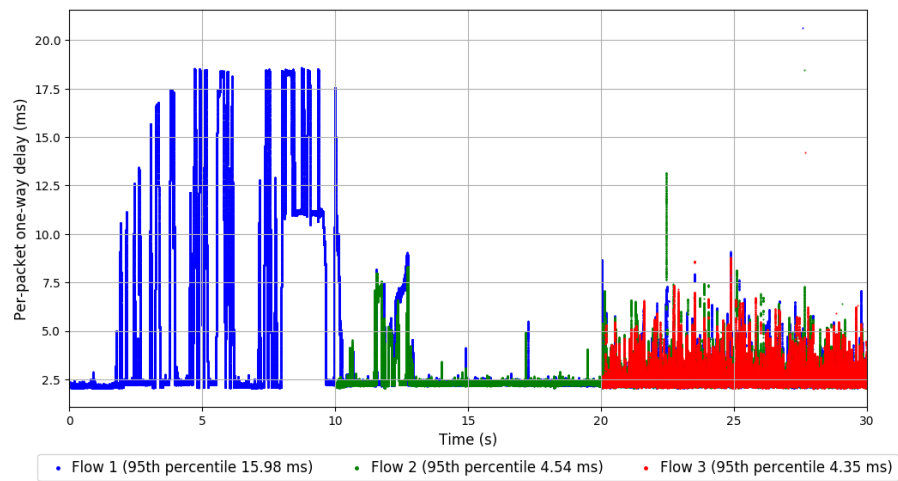
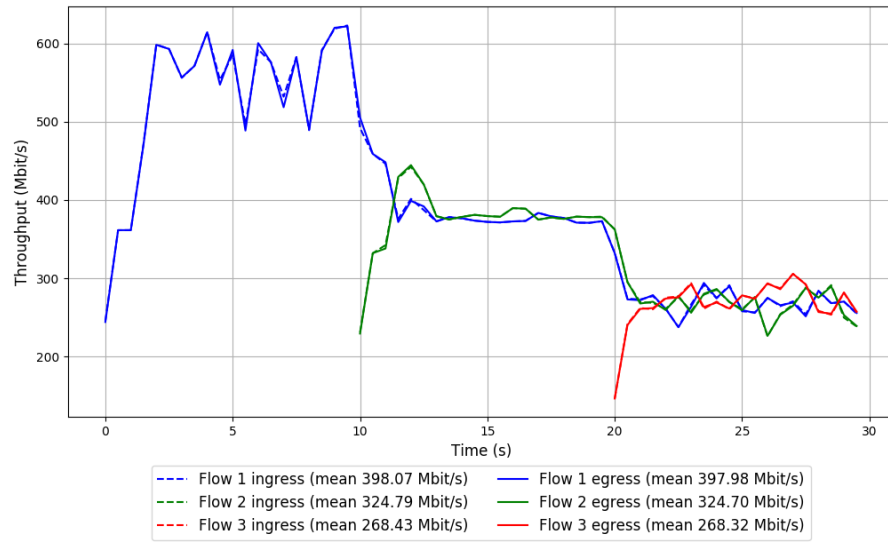


Run 7: Statistics of LEDBAT

Start at: 2017-12-12 01:13:51  
End at: 2017-12-12 01:14:21  
Local clock offset: 0.01 ms  
Remote clock offset: -0.188 ms

# Below is generated by plot.py at 2017-12-12 04:49:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 703.14 Mbit/s  
95th percentile per-packet one-way delay: 11.150 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 397.98 Mbit/s  
95th percentile per-packet one-way delay: 15.985 ms  
Loss rate: 0.02%  
-- Flow 2:  
Average throughput: 324.70 Mbit/s  
95th percentile per-packet one-way delay: 4.541 ms  
Loss rate: 0.03%  
-- Flow 3:  
Average throughput: 268.32 Mbit/s  
95th percentile per-packet one-way delay: 4.348 ms  
Loss rate: 0.04%

## Run 7: Report of LEDBAT — Data Link

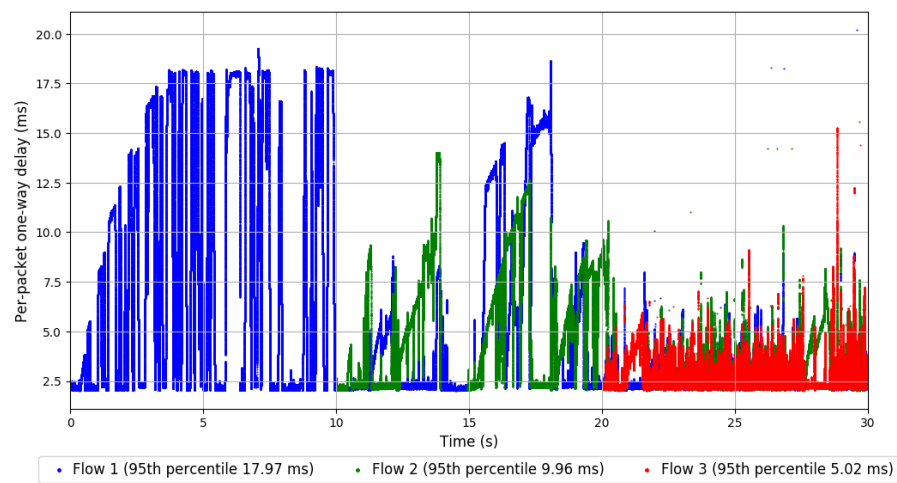
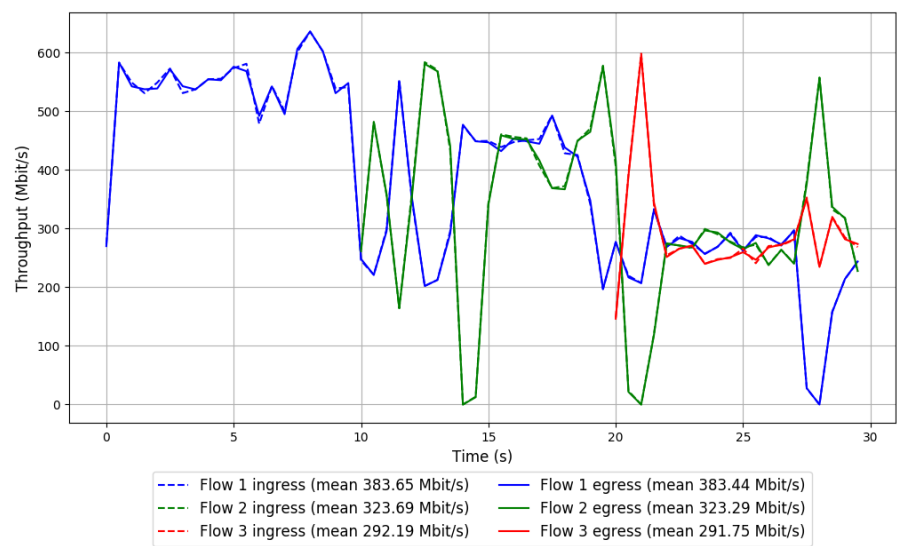


Run 8: Statistics of LEDBAT

Start at: 2017-12-12 01:33:15  
End at: 2017-12-12 01:33:45  
Local clock offset: -0.274 ms  
Remote clock offset: -0.279 ms

# Below is generated by plot.py at 2017-12-12 04:50:09  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 695.38 Mbit/s  
95th percentile per-packet one-way delay: 16.506 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 383.44 Mbit/s  
95th percentile per-packet one-way delay: 17.974 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 323.29 Mbit/s  
95th percentile per-packet one-way delay: 9.961 ms  
Loss rate: 0.12%  
-- Flow 3:  
Average throughput: 291.75 Mbit/s  
95th percentile per-packet one-way delay: 5.022 ms  
Loss rate: 0.15%

Run 8: Report of LEDBAT — Data Link



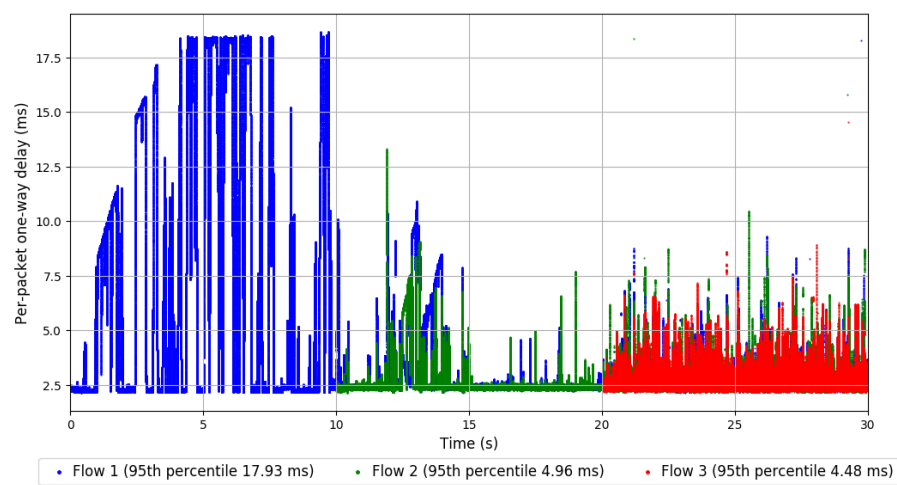
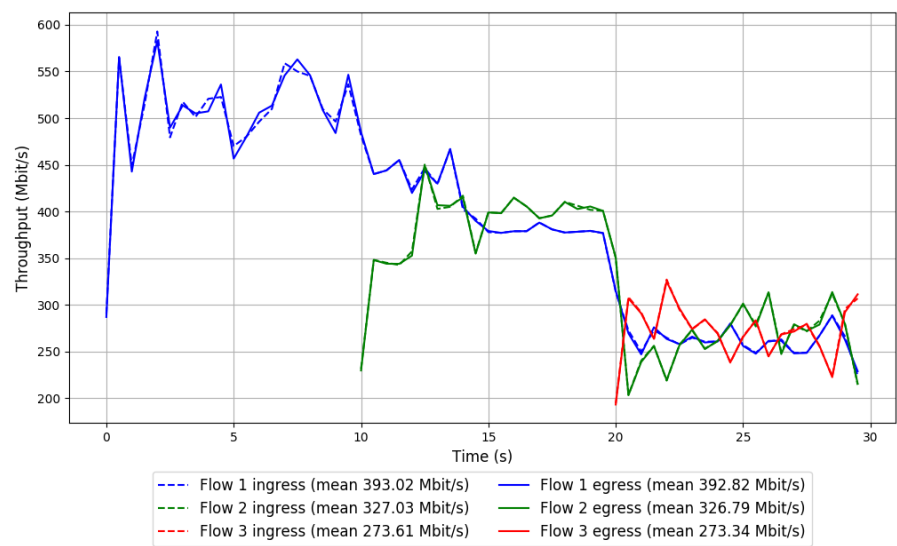
Run 9: Statistics of LEDBAT

Start at: 2017-12-12 01:52:51  
End at: 2017-12-12 01:53:21  
Local clock offset: -0.396 ms  
Remote clock offset: -0.231 ms

# Below is generated by plot.py at 2017-12-12 04:50:37  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 701.24 Mbit/s  
95th percentile per-packet one-way delay: 14.254 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 392.82 Mbit/s  
95th percentile per-packet one-way delay: 17.933 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 326.79 Mbit/s  
95th percentile per-packet one-way delay: 4.965 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 273.34 Mbit/s  
95th percentile per-packet one-way delay: 4.482 ms  
Loss rate: 0.10%



Run 9: Report of LEDBAT — Data Link

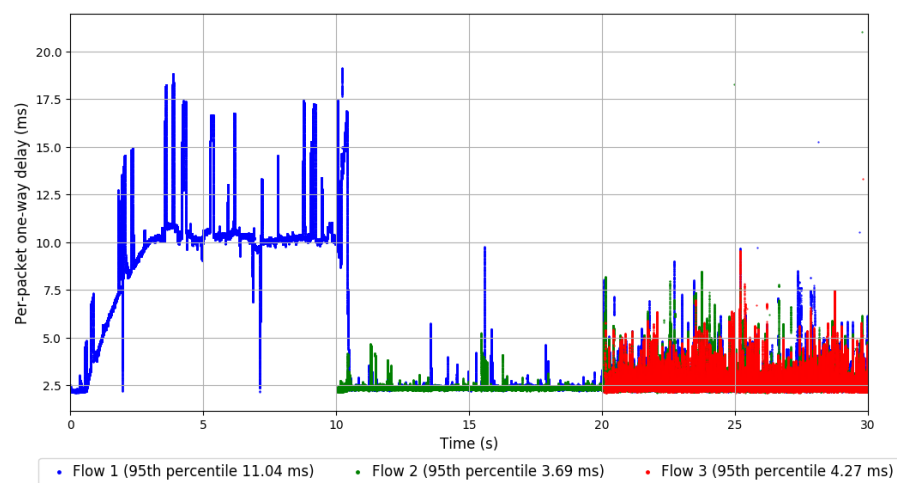
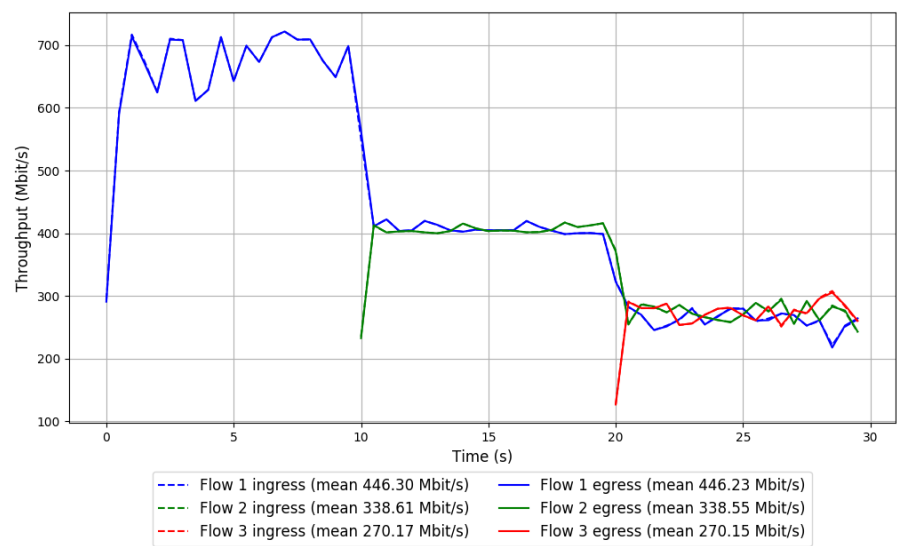


Run 10: Statistics of LEDBAT

Start at: 2017-12-12 02:12:25  
End at: 2017-12-12 02:12:55  
Local clock offset: -0.622 ms  
Remote clock offset: -0.282 ms

# Below is generated by plot.py at 2017-12-12 04:52:20  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 760.95 Mbit/s  
95th percentile per-packet one-way delay: 10.595 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 446.23 Mbit/s  
95th percentile per-packet one-way delay: 11.036 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 338.55 Mbit/s  
95th percentile per-packet one-way delay: 3.693 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 270.15 Mbit/s  
95th percentile per-packet one-way delay: 4.274 ms  
Loss rate: 0.03%

Run 10: Report of LEDBAT — Data Link

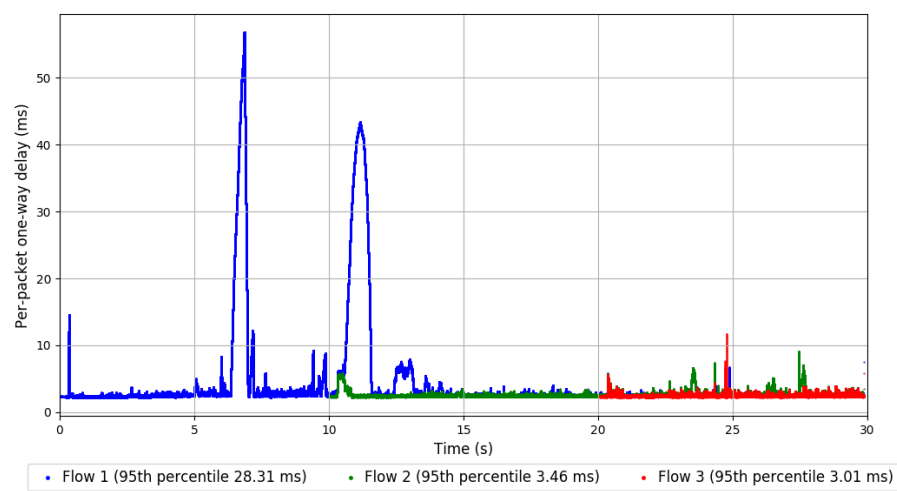
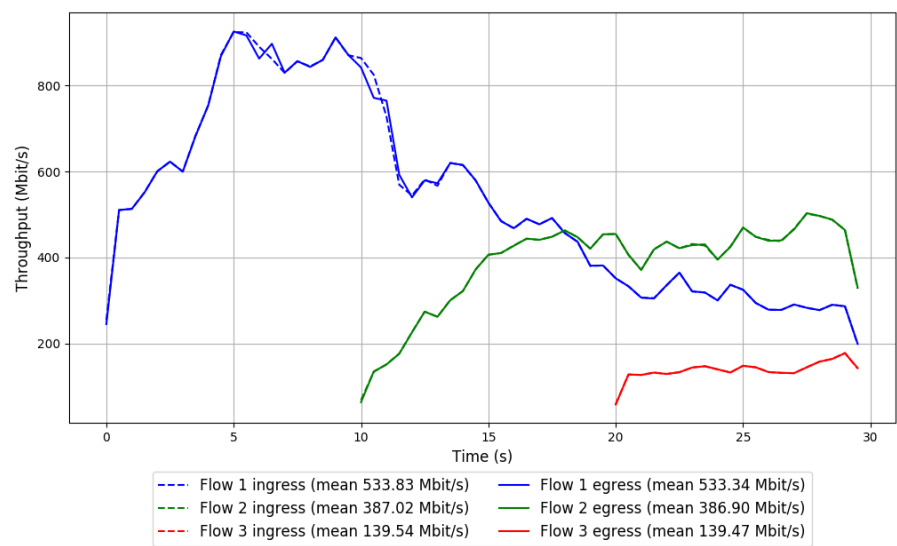


```
Run 1: Statistics of PCC

Start at: 2017-12-11 23:11:13
End at: 2017-12-11 23:11:43
Local clock offset: 0.643 ms
Remote clock offset: 0.805 ms

# Below is generated by plot.py at 2017-12-12 04:53:05
# Datalink statistics
-- Total of 3 flows:
Average throughput: 836.51 Mbit/s
95th percentile per-packet one-way delay: 9.979 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 533.34 Mbit/s
95th percentile per-packet one-way delay: 28.310 ms
Loss rate: 0.08%
-- Flow 2:
Average throughput: 386.90 Mbit/s
95th percentile per-packet one-way delay: 3.465 ms
Loss rate: 0.03%
-- Flow 3:
Average throughput: 139.47 Mbit/s
95th percentile per-packet one-way delay: 3.010 ms
Loss rate: 0.02%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-12-11 23:30:29

End at: 2017-12-11 23:30:59

Local clock offset: 0.59 ms

Remote clock offset: 0.565 ms

# Below is generated by plot.py at 2017-12-12 04:53:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 721.79 Mbit/s

95th percentile per-packet one-way delay: 4.711 ms

Loss rate: 0.06%

-- Flow 1:

Average throughput: 375.91 Mbit/s

95th percentile per-packet one-way delay: 4.970 ms

Loss rate: 0.04%

-- Flow 2:

Average throughput: 479.95 Mbit/s

95th percentile per-packet one-way delay: 4.436 ms

Loss rate: 0.10%

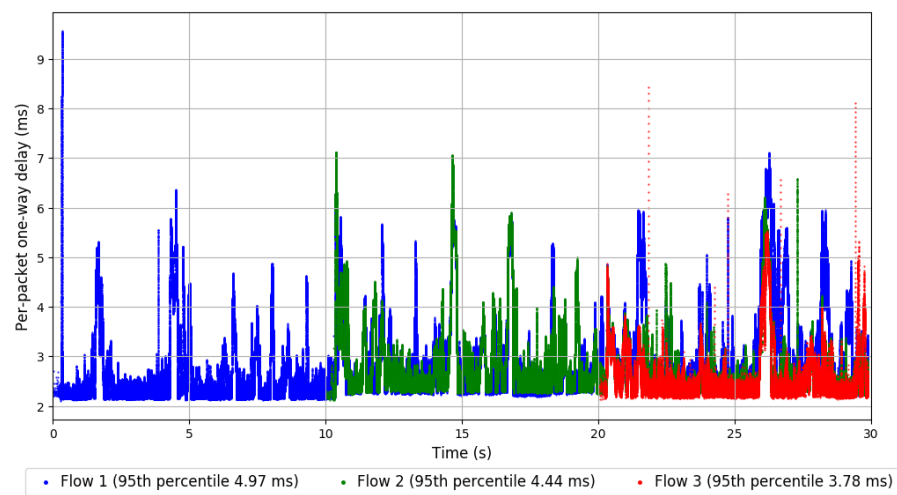
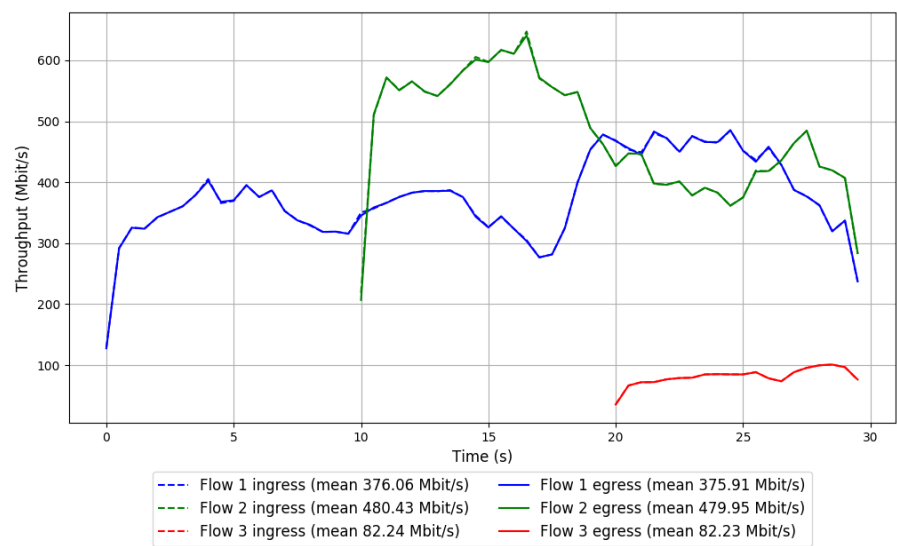
-- Flow 3:

Average throughput: 82.23 Mbit/s

95th percentile per-packet one-way delay: 3.784 ms

Loss rate: 0.01%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-12-11 23:49:56

End at: 2017-12-11 23:50:26

Local clock offset: 0.353 ms

Remote clock offset: 0.381 ms

# Below is generated by plot.py at 2017-12-12 04:58:21

# Datalink statistics

-- Total of 3 flows:

Average throughput: 735.67 Mbit/s

95th percentile per-packet one-way delay: 11.356 ms

Loss rate: 0.07%

-- Flow 1:

Average throughput: 602.94 Mbit/s

95th percentile per-packet one-way delay: 11.546 ms

Loss rate: 0.05%

-- Flow 2:

Average throughput: 81.56 Mbit/s

95th percentile per-packet one-way delay: 5.485 ms

Loss rate: 0.07%

-- Flow 3:

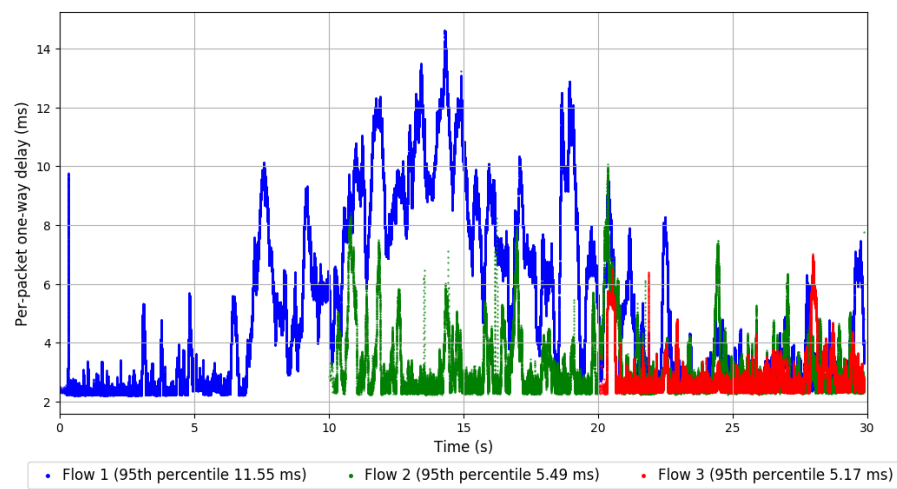
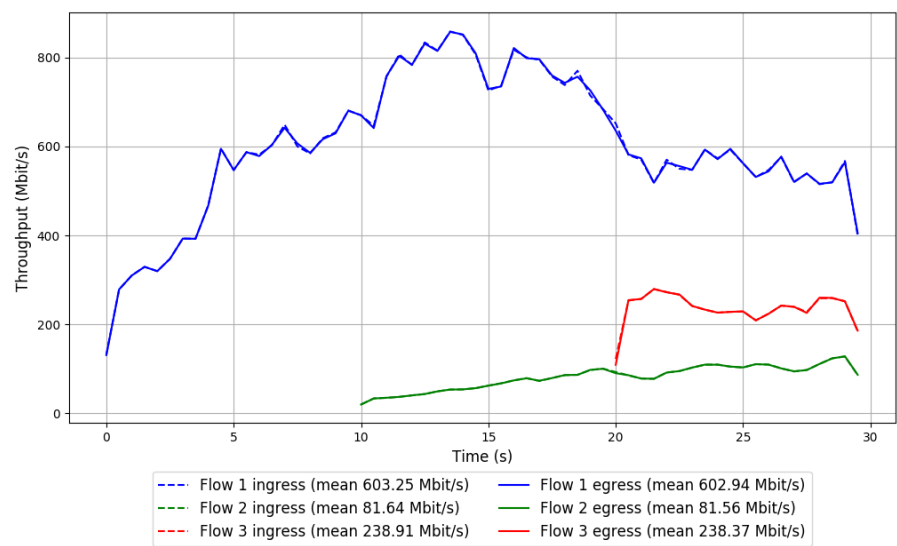
Average throughput: 238.37 Mbit/s

95th percentile per-packet one-way delay: 5.166 ms

Loss rate: 0.24%



Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-12-12 00:09:20

End at: 2017-12-12 00:09:50

Local clock offset: 0.303 ms

Remote clock offset: 0.231 ms

# Below is generated by plot.py at 2017-12-12 05:00:35

# Datalink statistics

-- Total of 3 flows:

Average throughput: 832.76 Mbit/s

95th percentile per-packet one-way delay: 11.130 ms

Loss rate: 0.19%

-- Flow 1:

Average throughput: 643.01 Mbit/s

95th percentile per-packet one-way delay: 11.519 ms

Loss rate: 0.17%

-- Flow 2:

Average throughput: 206.97 Mbit/s

95th percentile per-packet one-way delay: 6.283 ms

Loss rate: 0.24%

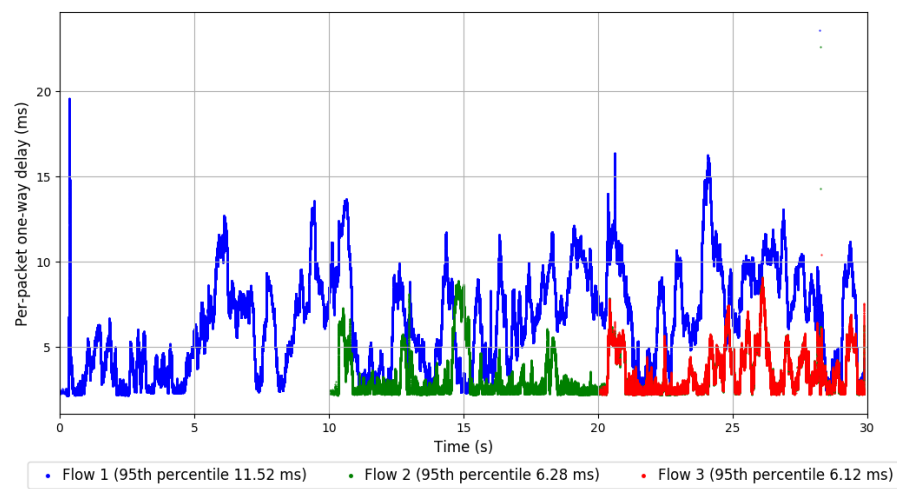
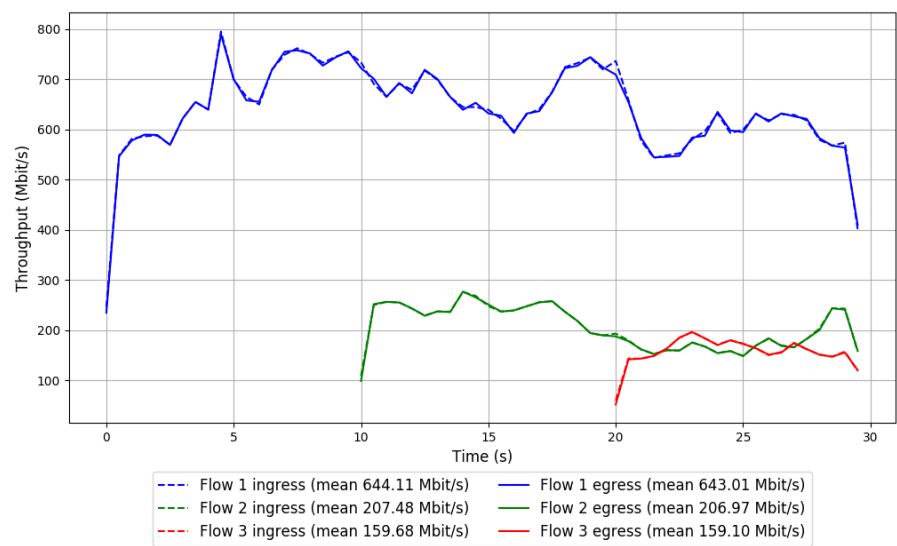
-- Flow 3:

Average throughput: 159.10 Mbit/s

95th percentile per-packet one-way delay: 6.115 ms

Loss rate: 0.36%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-12-12 00:28:59

End at: 2017-12-12 00:29:29

Local clock offset: 0.109 ms

Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2017-12-12 05:00:41

# Datalink statistics

-- Total of 3 flows:

Average throughput: 788.24 Mbit/s

95th percentile per-packet one-way delay: 5.420 ms

Loss rate: 0.23%

-- Flow 1:

Average throughput: 514.11 Mbit/s

95th percentile per-packet one-way delay: 5.472 ms

Loss rate: 0.21%

-- Flow 2:

Average throughput: 302.94 Mbit/s

95th percentile per-packet one-way delay: 5.268 ms

Loss rate: 0.26%

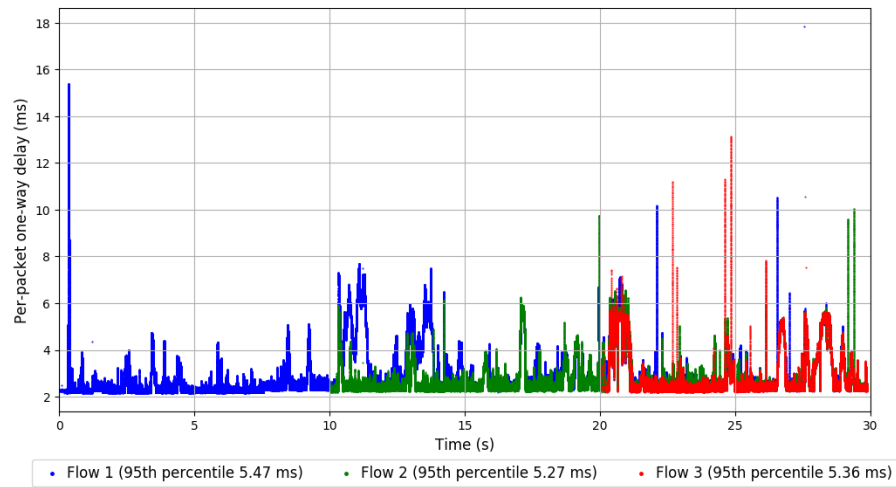
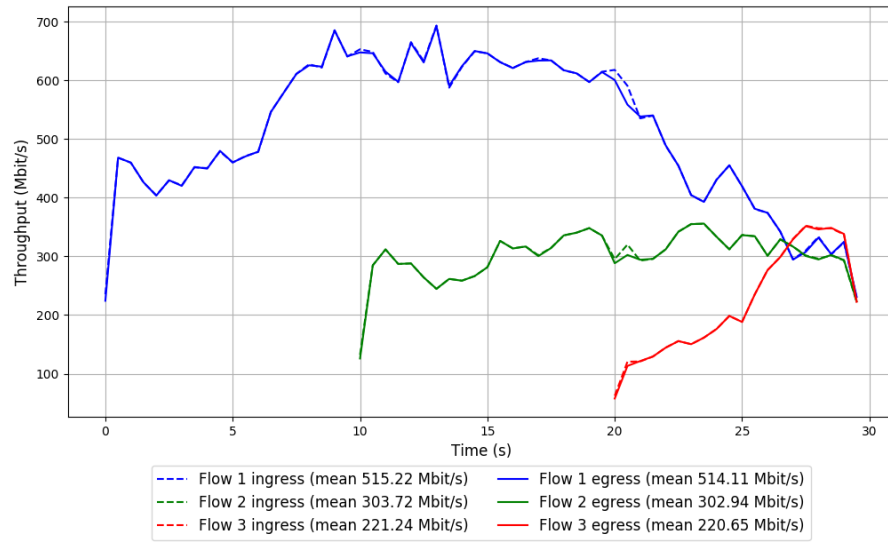
-- Flow 3:

Average throughput: 220.65 Mbit/s

95th percentile per-packet one-way delay: 5.359 ms

Loss rate: 0.28%

## Run 5: Report of PCC — Data Link

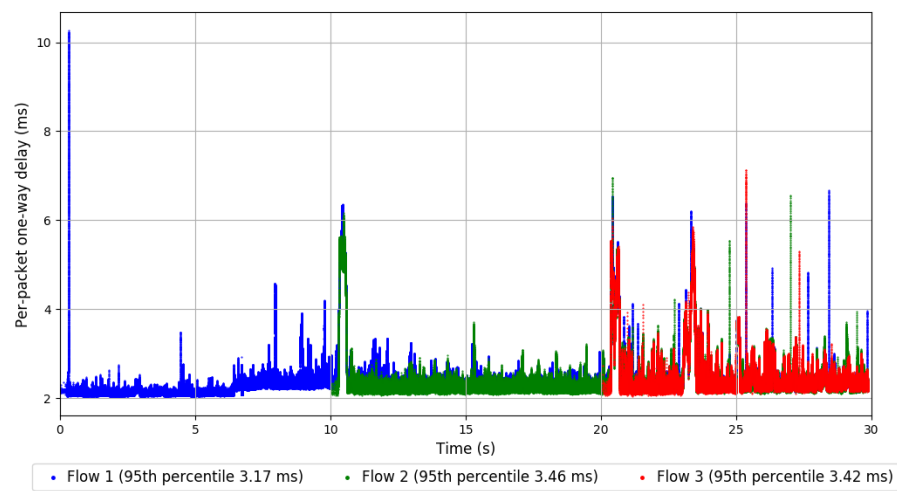
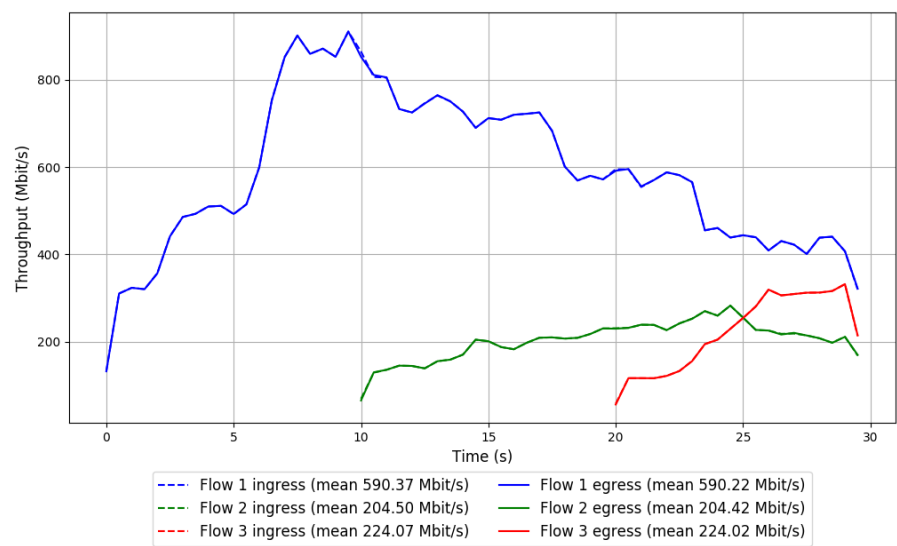


Run 6: Statistics of PCC

Start at: 2017-12-12 00:48:25  
End at: 2017-12-12 00:48:55  
Local clock offset: 0.154 ms  
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2017-12-12 05:01:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 799.82 Mbit/s  
95th percentile per-packet one-way delay: 3.254 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 590.22 Mbit/s  
95th percentile per-packet one-way delay: 3.168 ms  
Loss rate: 0.03%  
-- Flow 2:  
Average throughput: 204.42 Mbit/s  
95th percentile per-packet one-way delay: 3.460 ms  
Loss rate: 0.04%  
-- Flow 3:  
Average throughput: 224.02 Mbit/s  
95th percentile per-packet one-way delay: 3.421 ms  
Loss rate: 0.02%

Run 6: Report of PCC — Data Link



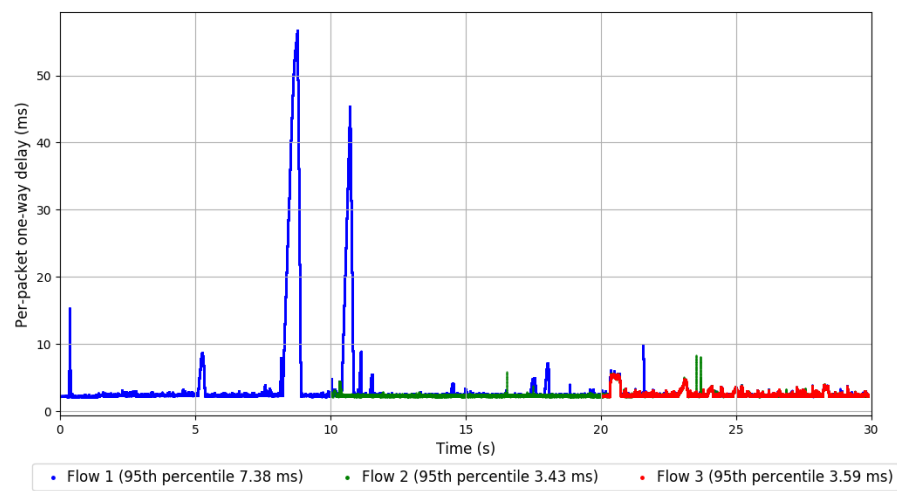
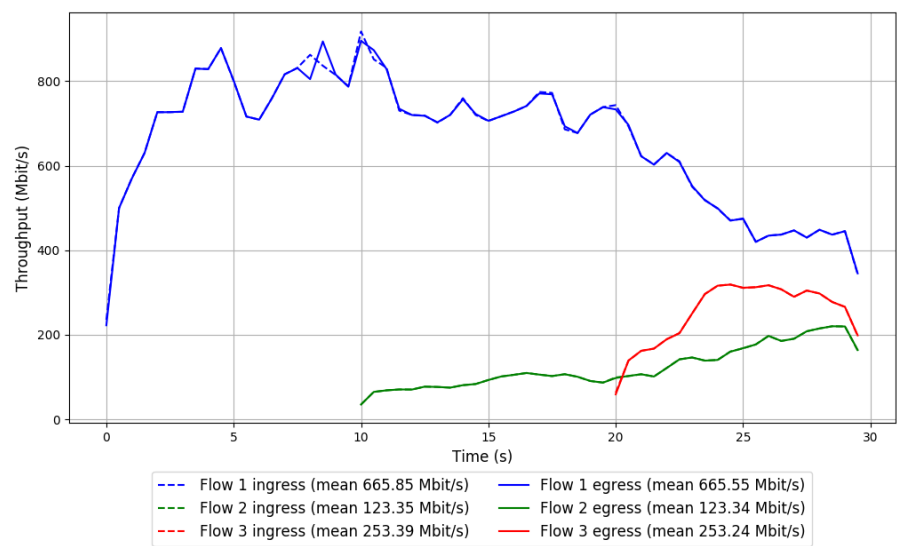
Run 7: Statistics of PCC

Start at: 2017-12-12 01:07:46  
End at: 2017-12-12 01:08:16  
Local clock offset: 0.089 ms  
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2017-12-12 05:02:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 830.92 Mbit/s  
95th percentile per-packet one-way delay: 5.466 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 665.55 Mbit/s  
95th percentile per-packet one-way delay: 7.385 ms  
Loss rate: 0.05%  
-- Flow 2:  
Average throughput: 123.34 Mbit/s  
95th percentile per-packet one-way delay: 3.428 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 253.24 Mbit/s  
95th percentile per-packet one-way delay: 3.589 ms  
Loss rate: 0.06%



Run 7: Report of PCC — Data Link

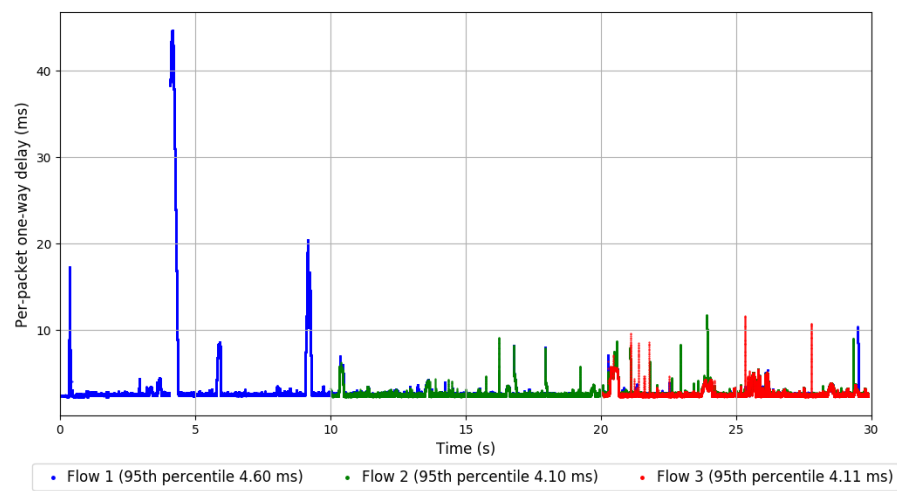
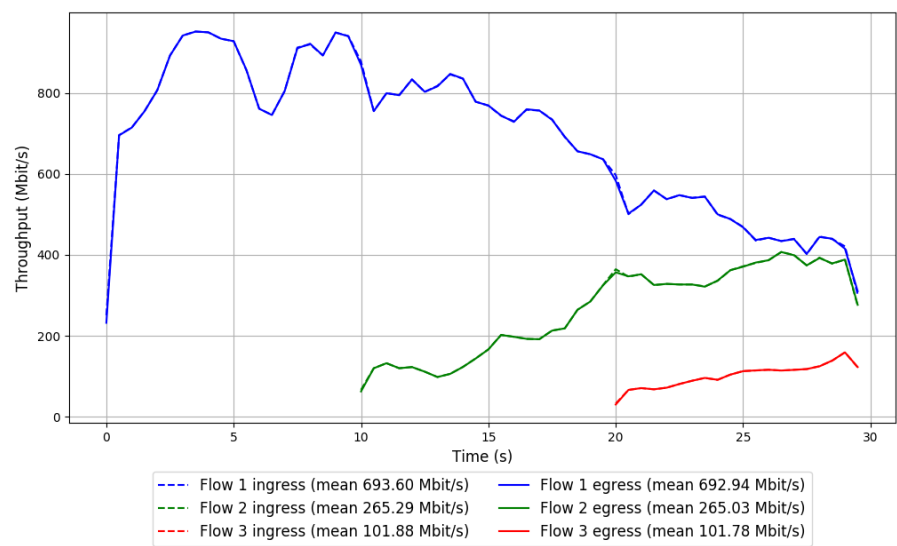


Run 8: Statistics of PCC

Start at: 2017-12-12 01:27:05  
End at: 2017-12-12 01:27:35  
Local clock offset: -0.306 ms  
Remote clock offset: -0.144 ms

```
# Below is generated by plot.py at 2017-12-12 05:05:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 902.58 Mbit/s
95th percentile per-packet one-way delay: 4.374 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 692.94 Mbit/s
95th percentile per-packet one-way delay: 4.602 ms
Loss rate: 0.09%
-- Flow 2:
Average throughput: 265.03 Mbit/s
95th percentile per-packet one-way delay: 4.103 ms
Loss rate: 0.10%
-- Flow 3:
Average throughput: 101.78 Mbit/s
95th percentile per-packet one-way delay: 4.109 ms
Loss rate: 0.10%
```

Run 8: Report of PCC — Data Link

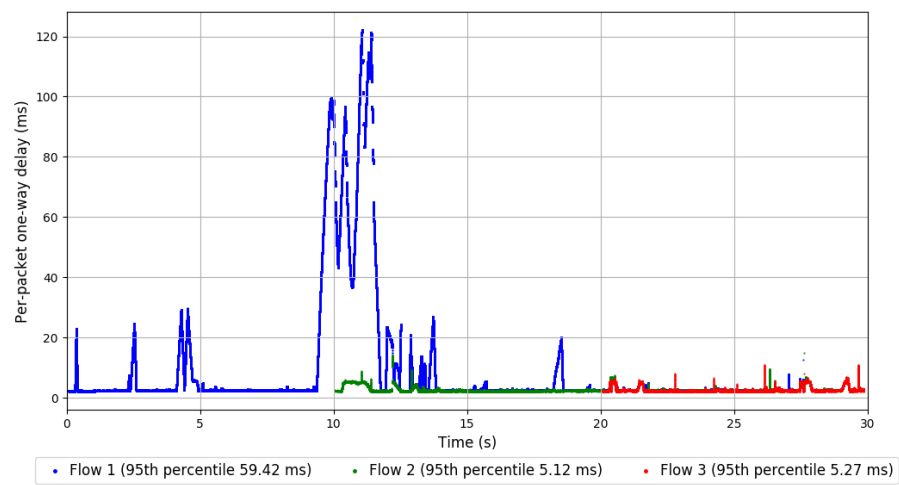
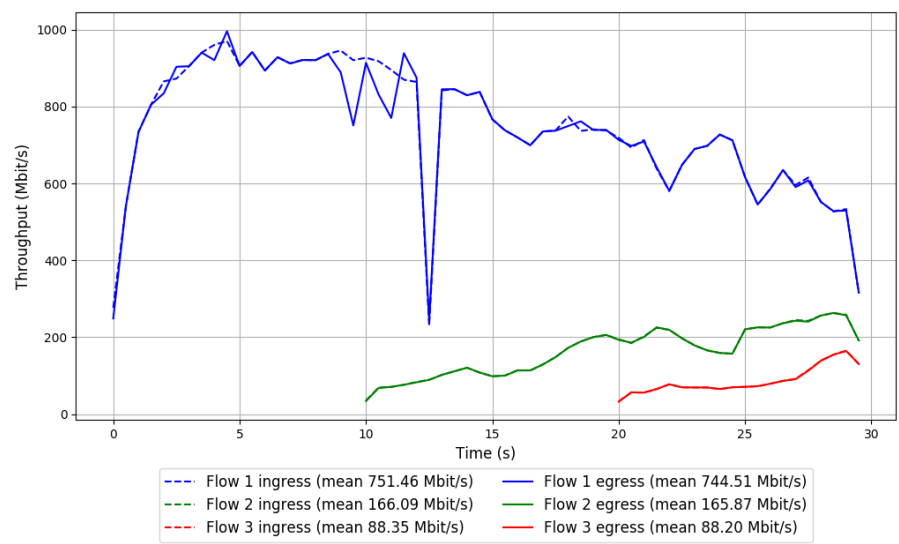


Run 9: Statistics of PCC

Start at: 2017-12-12 01:46:41  
End at: 2017-12-12 01:47:11  
Local clock offset: -0.412 ms  
Remote clock offset: -0.295 ms

# Below is generated by plot.py at 2017-12-12 05:05:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 883.70 Mbit/s  
95th percentile per-packet one-way delay: 51.629 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 744.51 Mbit/s  
95th percentile per-packet one-way delay: 59.421 ms  
Loss rate: 0.92%  
-- Flow 2:  
Average throughput: 165.87 Mbit/s  
95th percentile per-packet one-way delay: 5.124 ms  
Loss rate: 0.13%  
-- Flow 3:  
Average throughput: 88.20 Mbit/s  
95th percentile per-packet one-way delay: 5.268 ms  
Loss rate: 0.17%

Run 9: Report of PCC — Data Link

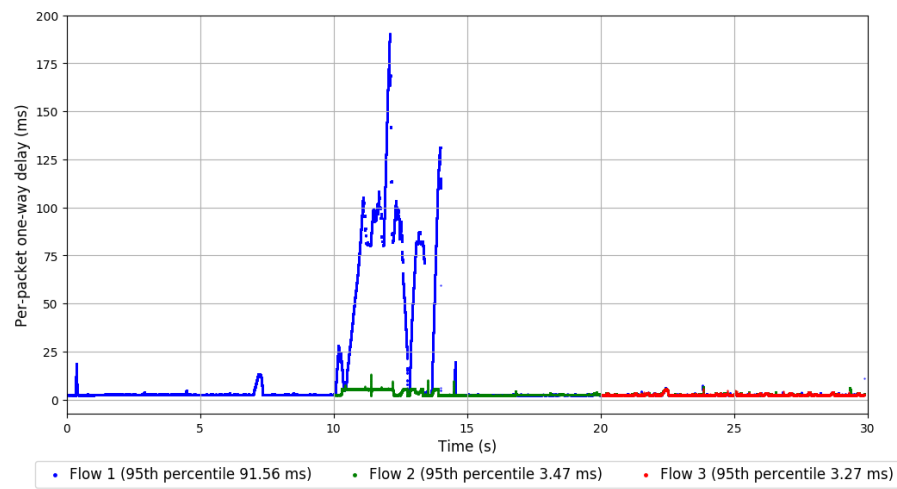
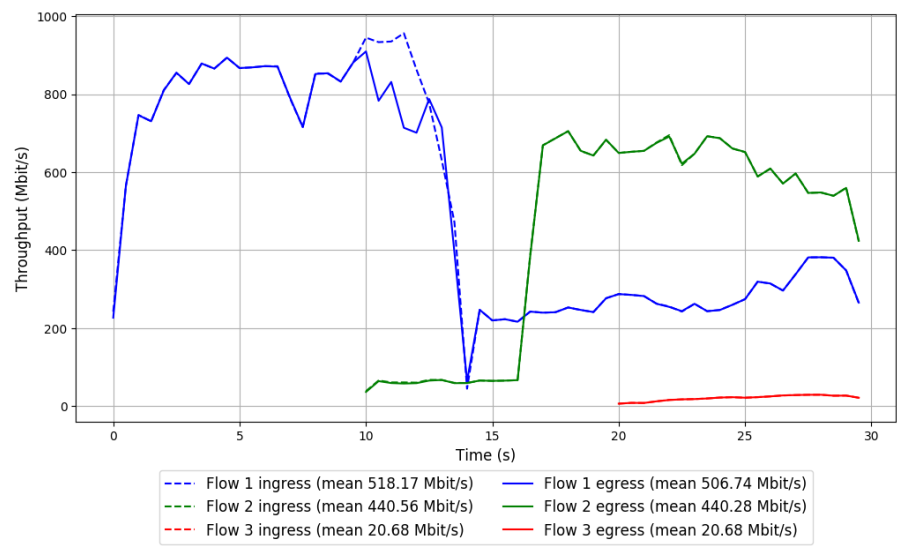


Run 10: Statistics of PCC

Start at: 2017-12-12 02:06:11  
End at: 2017-12-12 02:06:41  
Local clock offset: -0.611 ms  
Remote clock offset: -0.267 ms

# Below is generated by plot.py at 2017-12-12 05:05:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 806.20 Mbit/s  
95th percentile per-packet one-way delay: 82.136 ms  
Loss rate: 1.41%  
-- Flow 1:  
Average throughput: 506.74 Mbit/s  
95th percentile per-packet one-way delay: 91.565 ms  
Loss rate: 2.18%  
-- Flow 2:  
Average throughput: 440.28 Mbit/s  
95th percentile per-packet one-way delay: 3.474 ms  
Loss rate: 0.07%  
-- Flow 3:  
Average throughput: 20.68 Mbit/s  
95th percentile per-packet one-way delay: 3.266 ms  
Loss rate: 0.02%

Run 10: Report of PCC — Data Link



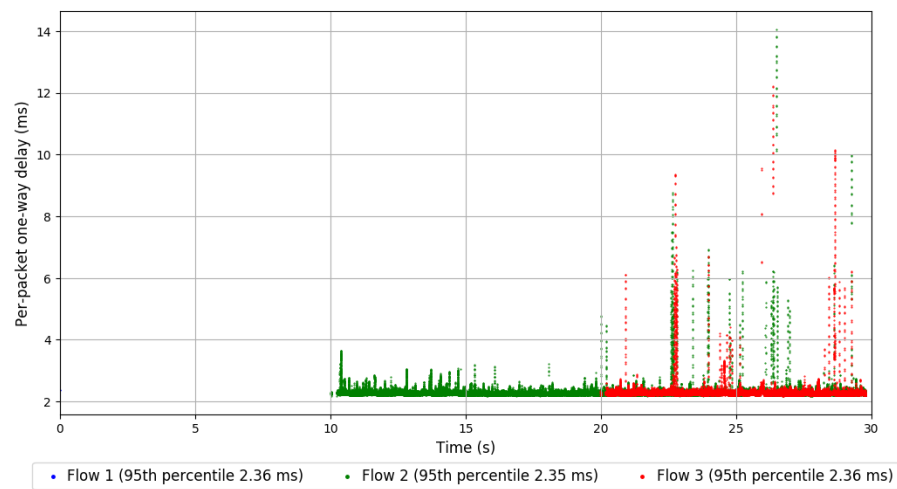
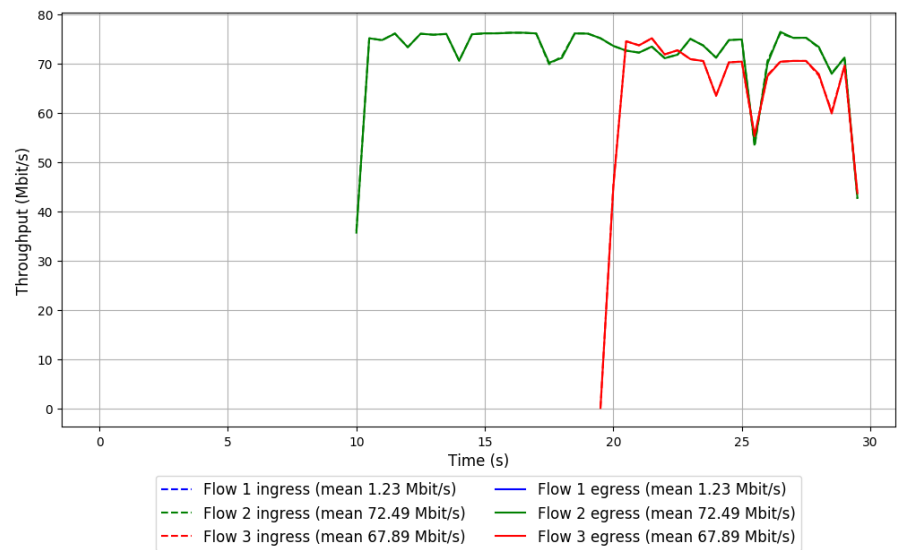
```
Run 1: Statistics of QUIC Cubic

Start at: 2017-12-11 23:10:06
End at: 2017-12-11 23:10:36
Local clock offset: 0.59 ms
Remote clock offset: 0.803 ms

# Below is generated by plot.py at 2017-12-12 05:05:34
# Datalink statistics
-- Total of 3 flows:
Average throughput: 70.52 Mbit/s
95th percentile per-packet one-way delay: 2.354 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 2.356 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 72.49 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 67.89 Mbit/s
95th percentile per-packet one-way delay: 2.357 ms
Loss rate: 0.00%
```



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-12-11 23:29:19

End at: 2017-12-11 23:29:49

Local clock offset: 0.574 ms

Remote clock offset: 0.596 ms

# Below is generated by plot.py at 2017-12-12 05:05:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 128.23 Mbit/s

95th percentile per-packet one-way delay: 2.625 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.84 Mbit/s

95th percentile per-packet one-way delay: 2.525 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.23 Mbit/s

95th percentile per-packet one-way delay: 2.551 ms

Loss rate: 0.00%

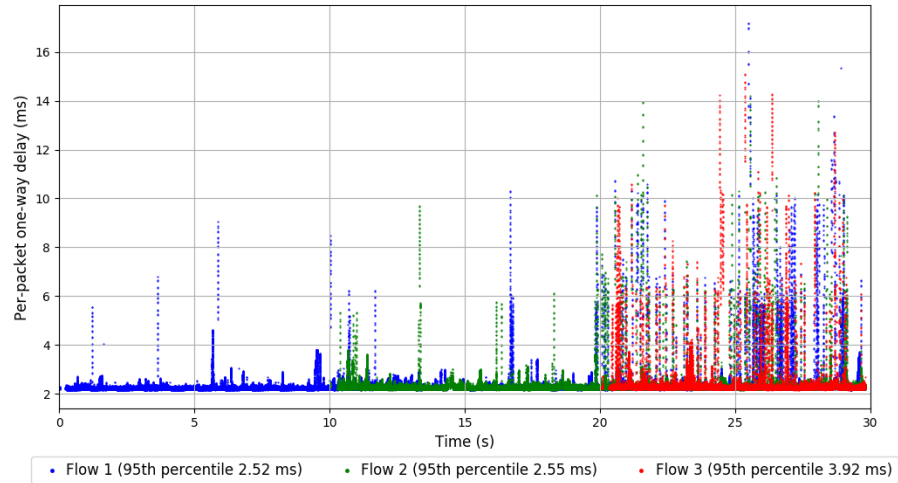
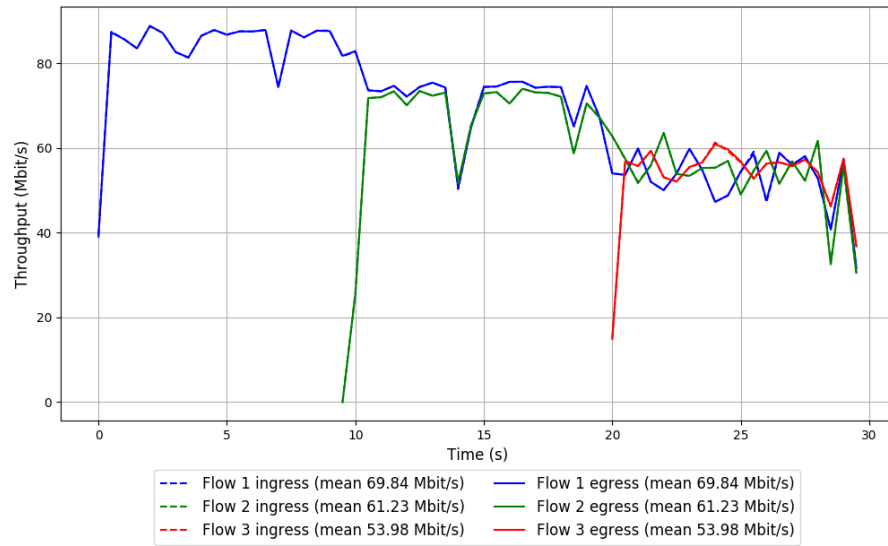
-- Flow 3:

Average throughput: 53.98 Mbit/s

95th percentile per-packet one-way delay: 3.925 ms

Loss rate: 0.00%

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



Run 3: Statistics of QUIC Cubic

Start at: 2017-12-11 23:48:46

End at: 2017-12-11 23:49:16

Local clock offset: 0.444 ms

Remote clock offset: 0.398 ms

# Below is generated by plot.py at 2017-12-12 05:05:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 128.28 Mbit/s

95th percentile per-packet one-way delay: 3.026 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 70.92 Mbit/s

95th percentile per-packet one-way delay: 2.943 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.37 Mbit/s

95th percentile per-packet one-way delay: 3.466 ms

Loss rate: 0.00%

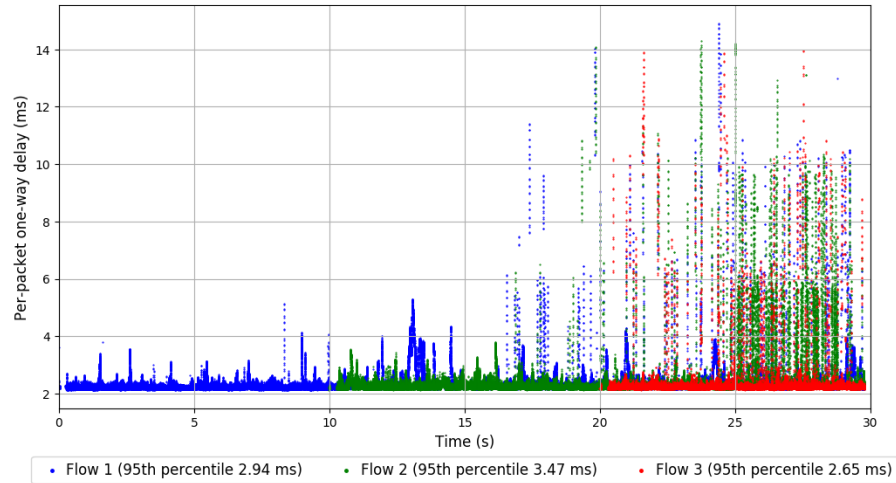
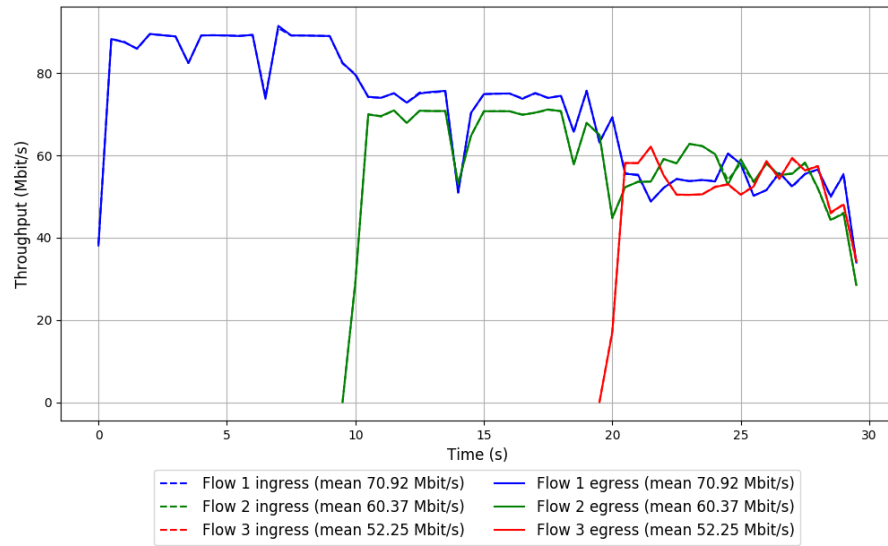
-- Flow 3:

Average throughput: 52.25 Mbit/s

95th percentile per-packet one-way delay: 2.653 ms

Loss rate: 0.00%

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



Run 4: Statistics of QUIC Cubic

Start at: 2017-12-12 00:08:10

End at: 2017-12-12 00:08:40

Local clock offset: 0.314 ms

Remote clock offset: 0.214 ms

# Below is generated by plot.py at 2017-12-12 05:05:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 128.52 Mbit/s

95th percentile per-packet one-way delay: 5.145 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 69.98 Mbit/s

95th percentile per-packet one-way delay: 2.401 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 61.25 Mbit/s

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

Loss rate: 0.00%

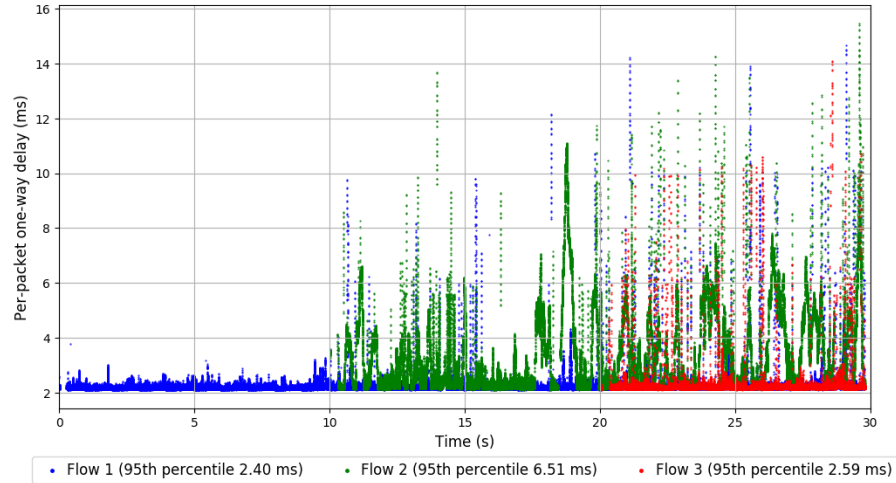
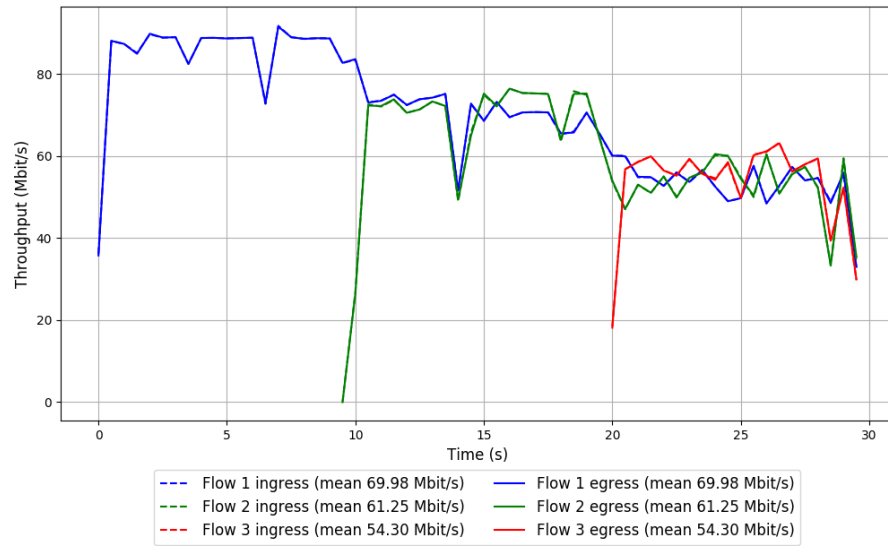
-- Flow 3:

Average throughput: 54.30 Mbit/s

95th percentile per-packet one-way delay: 2.593 ms

Loss rate: 0.00%

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



Run 5: Statistics of QUIC Cubic

Start at: 2017-12-12 00:27:49

End at: 2017-12-12 00:28:19

Local clock offset: 0.169 ms

Remote clock offset: 0.094 ms

# Below is generated by plot.py at 2017-12-12 05:05:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 127.13 Mbit/s

95th percentile per-packet one-way delay: 3.778 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 69.62 Mbit/s

95th percentile per-packet one-way delay: 2.464 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 60.50 Mbit/s

95th percentile per-packet one-way delay: 4.176 ms

Loss rate: 0.00%

-- Flow 3:

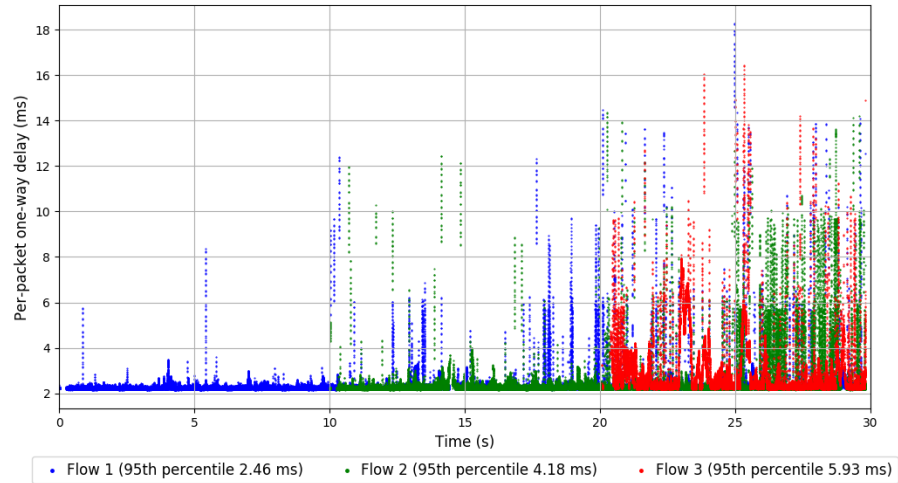
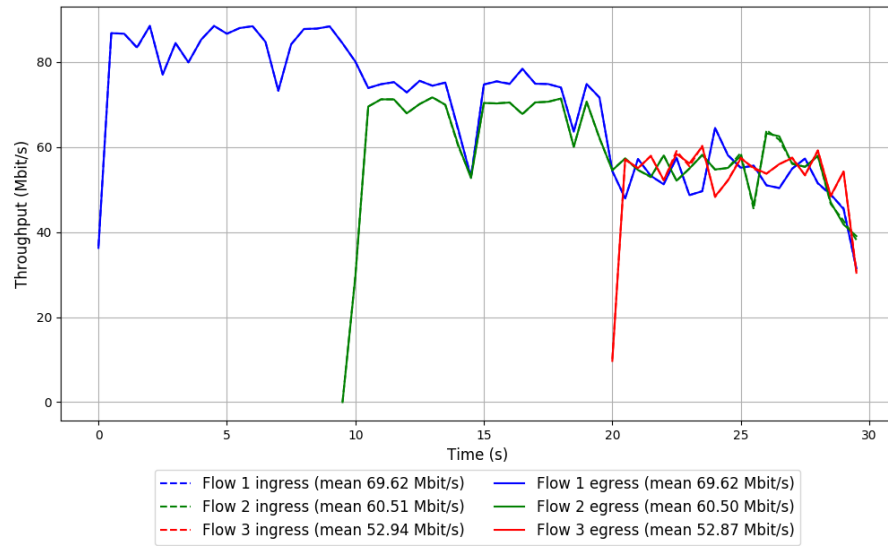
Average throughput: 52.87 Mbit/s

95th percentile per-packet one-way delay: 5.931 ms

Loss rate: 0.05%



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

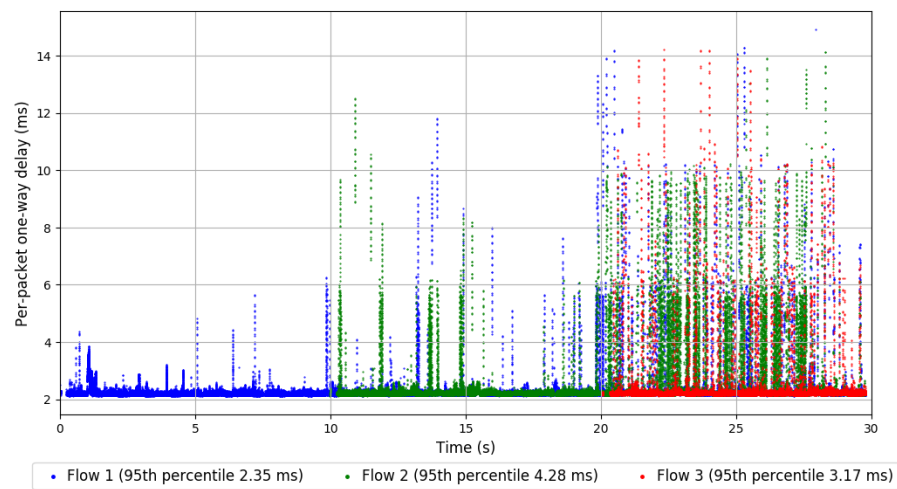
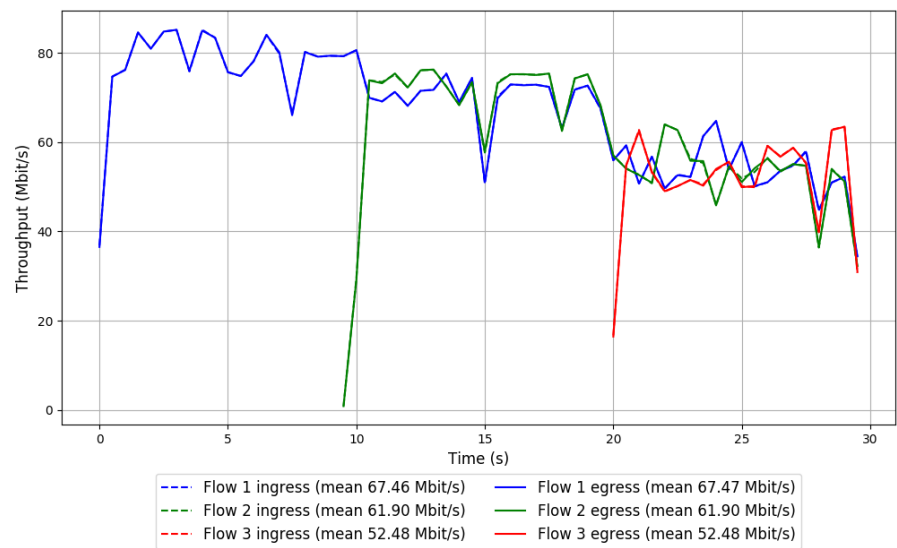


Run 6: Statistics of QUIC Cubic

Start at: 2017-12-12 00:47:15  
End at: 2017-12-12 00:47:45  
Local clock offset: 0.16 ms  
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2017-12-12 05:05:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 125.89 Mbit/s  
95th percentile per-packet one-way delay: 2.751 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 67.47 Mbit/s  
95th percentile per-packet one-way delay: 2.347 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 61.90 Mbit/s  
95th percentile per-packet one-way delay: 4.275 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 52.48 Mbit/s  
95th percentile per-packet one-way delay: 3.167 ms  
Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link

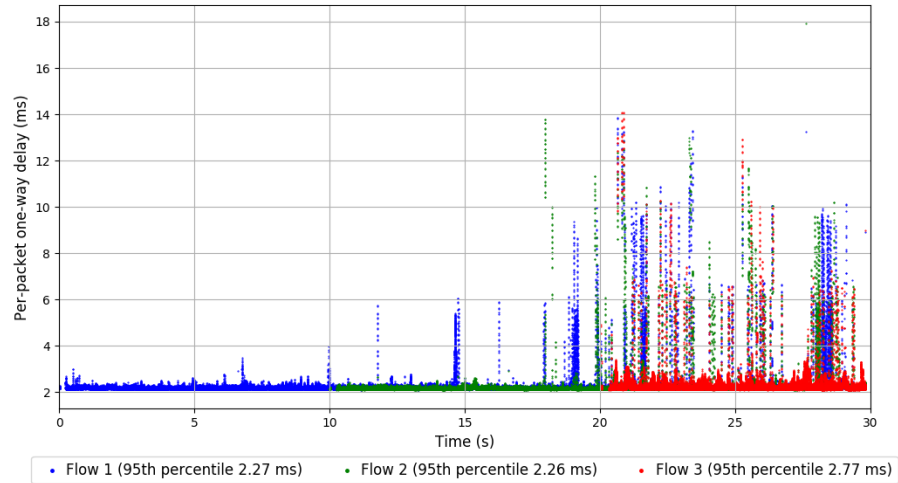
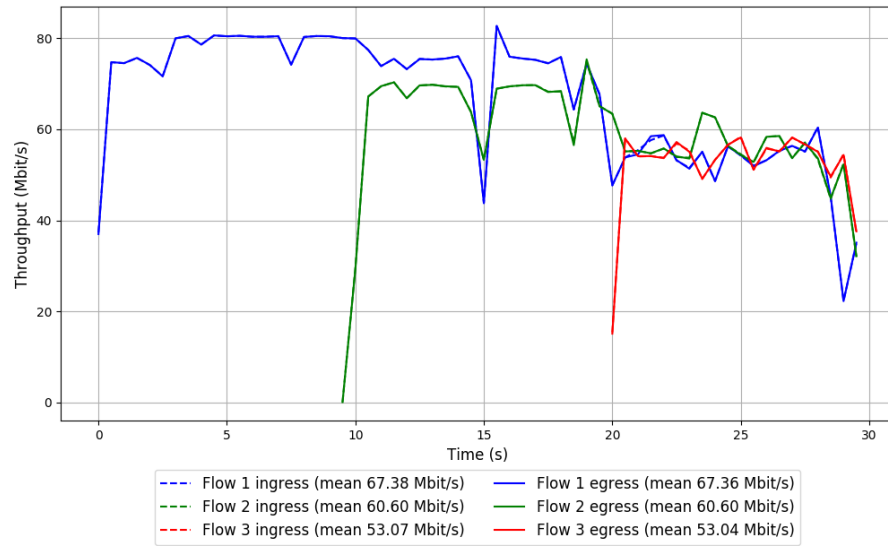


Run 7: Statistics of QUIC Cubic

Start at: 2017-12-12 01:06:36  
End at: 2017-12-12 01:07:06  
Local clock offset: 0.108 ms  
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2017-12-12 05:05:34  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 125.07 Mbit/s  
95th percentile per-packet one-way delay: 2.372 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 67.36 Mbit/s  
95th percentile per-packet one-way delay: 2.274 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 60.60 Mbit/s  
95th percentile per-packet one-way delay: 2.259 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 53.04 Mbit/s  
95th percentile per-packet one-way delay: 2.774 ms  
Loss rate: 0.00%

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

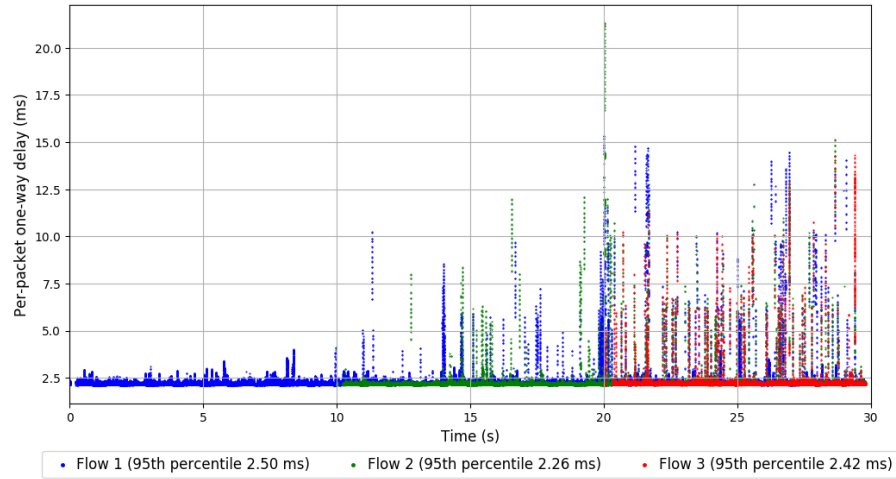
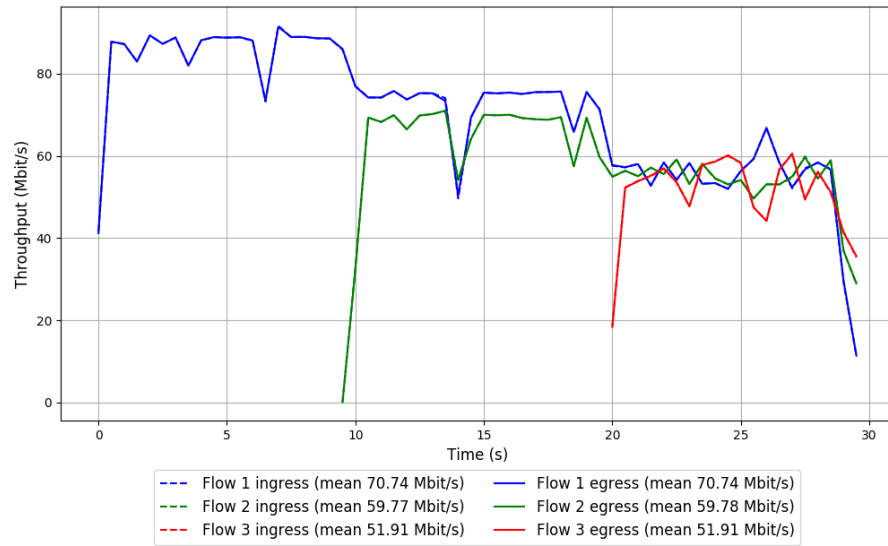


Run 8: Statistics of QUIC Cubic

Start at: 2017-12-12 01:25:56  
End at: 2017-12-12 01:26:26  
Local clock offset: -0.172 ms  
Remote clock offset: -0.158 ms

# Below is generated by plot.py at 2017-12-12 05:05:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 127.54 Mbit/s  
95th percentile per-packet one-way delay: 2.422 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 70.74 Mbit/s  
95th percentile per-packet one-way delay: 2.495 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 59.78 Mbit/s  
95th percentile per-packet one-way delay: 2.264 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 51.91 Mbit/s  
95th percentile per-packet one-way delay: 2.418 ms  
Loss rate: 0.00%

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



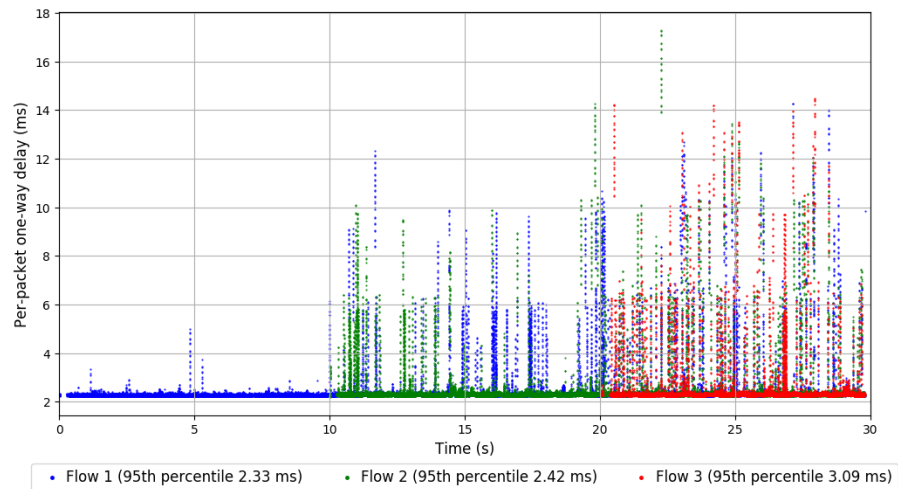
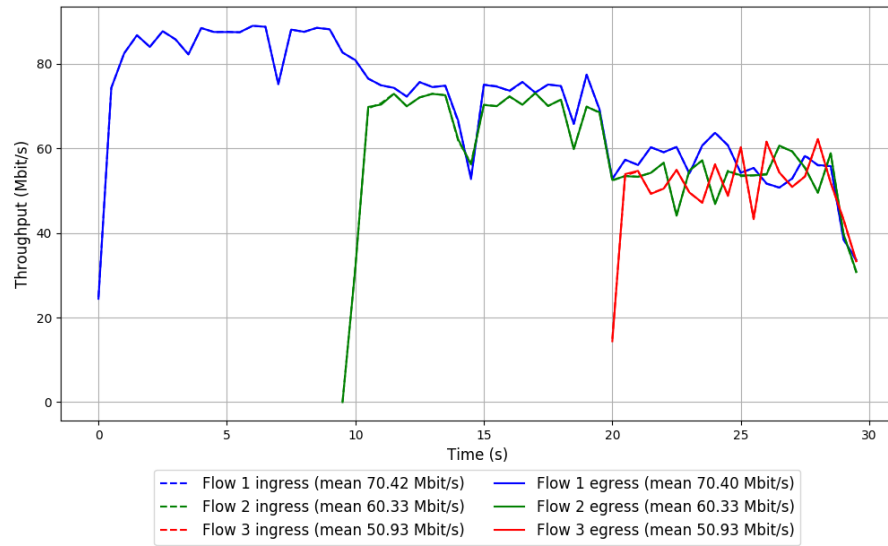
Run 9: Statistics of QUIC Cubic

Start at: 2017-12-12 01:45:31  
End at: 2017-12-12 01:46:01  
Local clock offset: -0.434 ms  
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2017-12-12 05:05:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 127.16 Mbit/s  
95th percentile per-packet one-way delay: 2.369 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 70.40 Mbit/s  
95th percentile per-packet one-way delay: 2.335 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 60.33 Mbit/s  
95th percentile per-packet one-way delay: 2.415 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 50.93 Mbit/s  
95th percentile per-packet one-way delay: 3.090 ms  
Loss rate: 0.00%



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

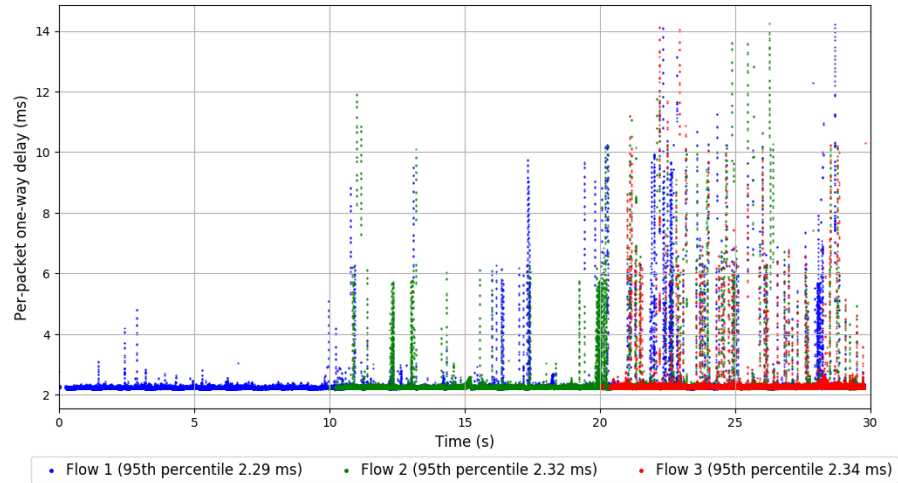
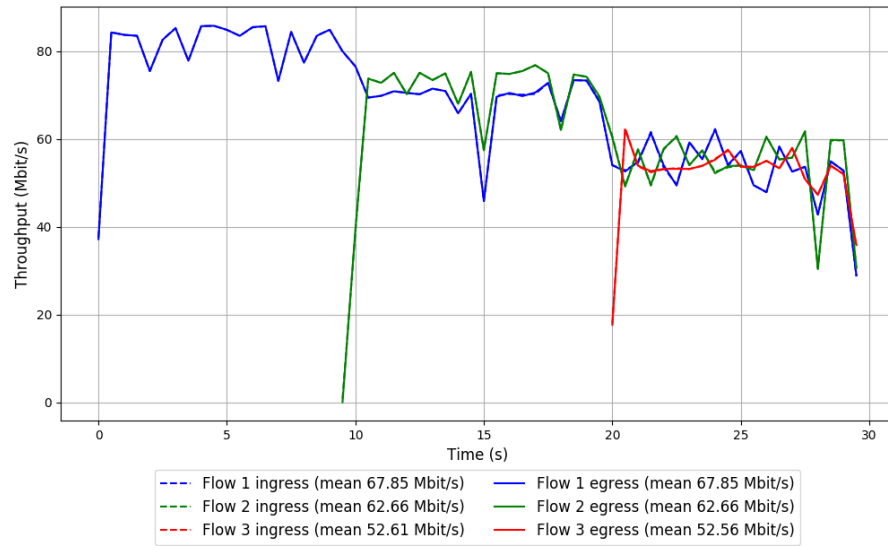


Run 10: Statistics of QUIC Cubic

Start at: 2017-12-12 02:05:01  
End at: 2017-12-12 02:05:31  
Local clock offset: -0.606 ms  
Remote clock offset: -0.275 ms

# Below is generated by plot.py at 2017-12-12 05:06:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 126.75 Mbit/s  
95th percentile per-packet one-way delay: 2.306 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 67.85 Mbit/s  
95th percentile per-packet one-way delay: 2.290 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 62.66 Mbit/s  
95th percentile per-packet one-way delay: 2.320 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 52.56 Mbit/s  
95th percentile per-packet one-way delay: 2.344 ms  
Loss rate: 0.00%

# Run 10: Report of QUIC Cubic — Data Link

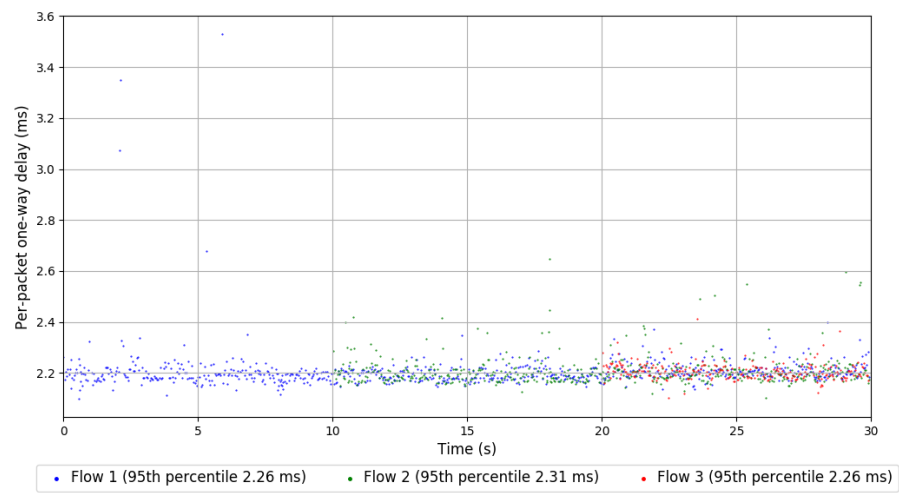
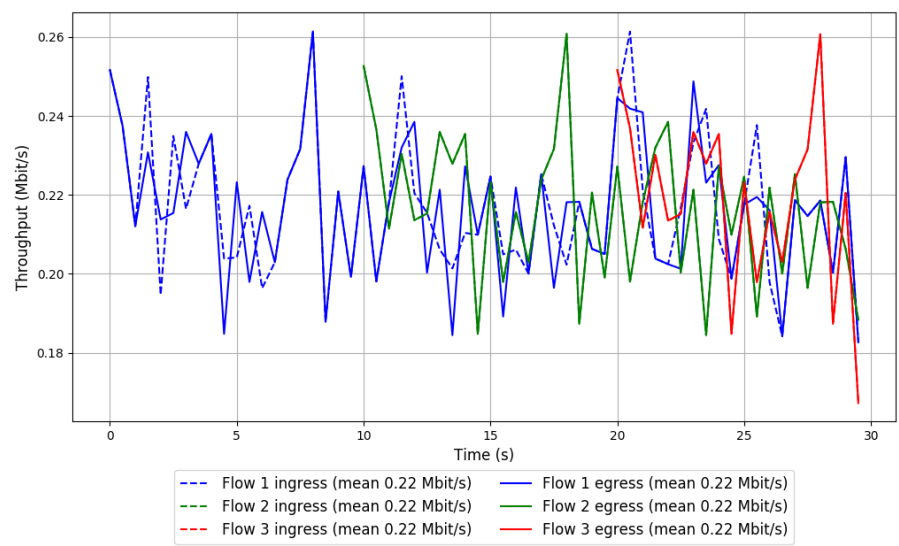


```
Run 1: Statistics of SReAM

Start at: 2017-12-11 23:06:51
End at: 2017-12-11 23:07:21
Local clock offset: 0.651 ms
Remote clock offset: 0.747 ms

# Below is generated by plot.py at 2017-12-12 05:06:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.43 Mbit/s
95th percentile per-packet one-way delay: 2.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.262 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.306 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.256 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

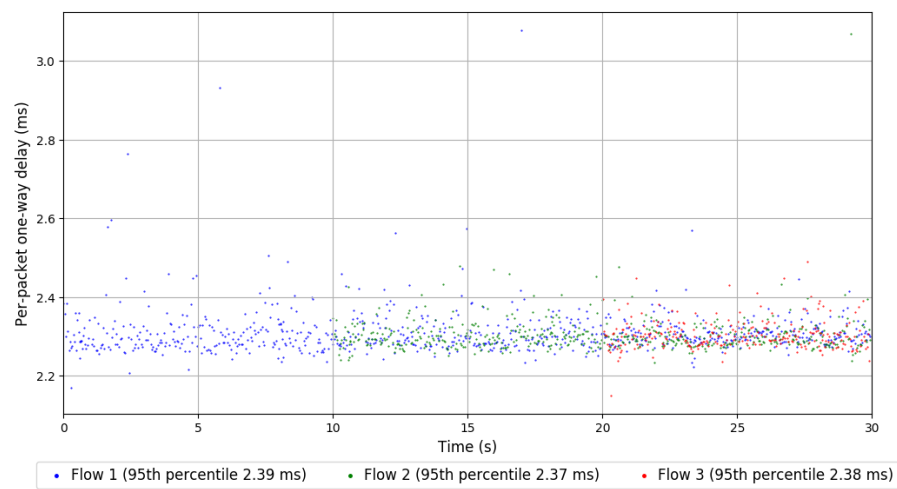
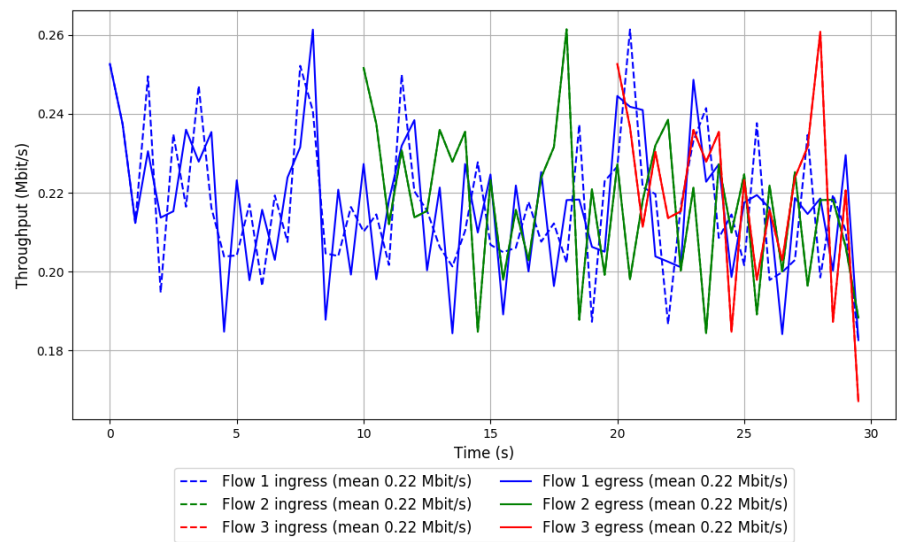


```
Run 2: Statistics of SReAM

Start at: 2017-12-11 23:26:04
End at: 2017-12-11 23:26:34
Local clock offset: 0.563 ms
Remote clock offset: 0.613 ms

# Below is generated by plot.py at 2017-12-12 05:06:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 2.381 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.387 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.367 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.377 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SReAM

Start at: 2017-12-11 23:45:31

End at: 2017-12-11 23:46:01

Local clock offset: 0.469 ms

Remote clock offset: 0.37 ms

# Below is generated by plot.py at 2017-12-12 05:06:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 3.007 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.036 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.294 ms

Loss rate: 0.00%

-- Flow 3:

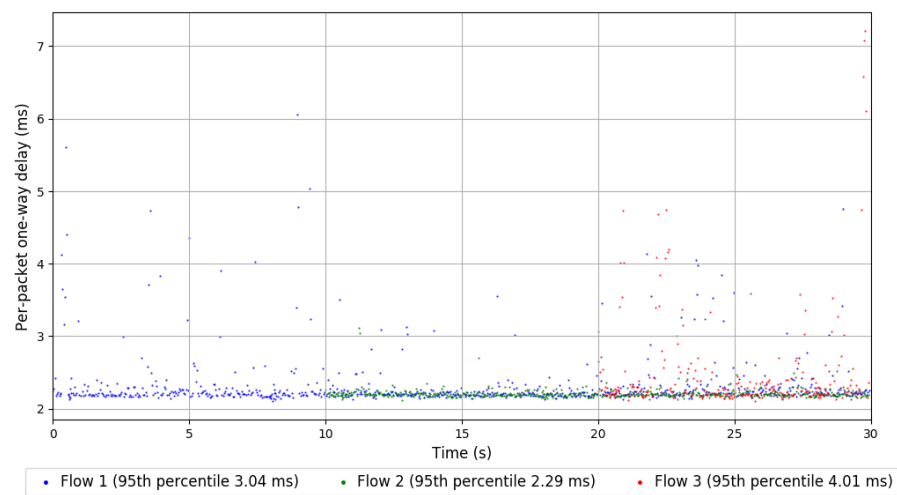
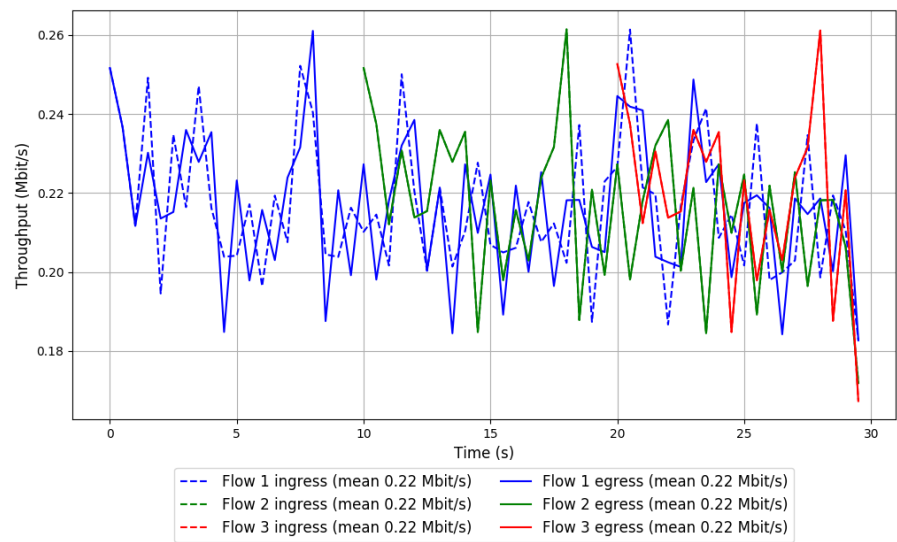
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 4.012 ms

Loss rate: 0.00%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SReAM

Start at: 2017-12-12 00:04:55

End at: 2017-12-12 00:05:25

Local clock offset: 0.353 ms

Remote clock offset: 0.258 ms

# Below is generated by plot.py at 2017-12-12 05:06:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.560 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.477 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.429 ms

Loss rate: 0.00%

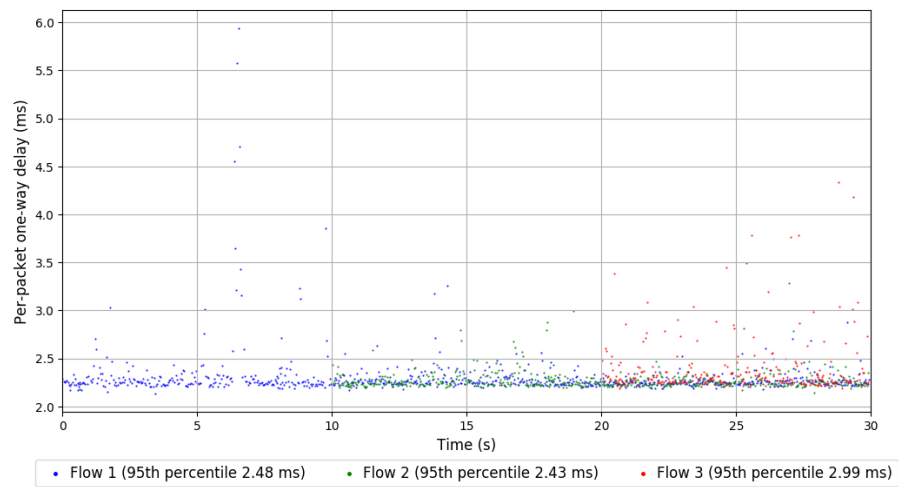
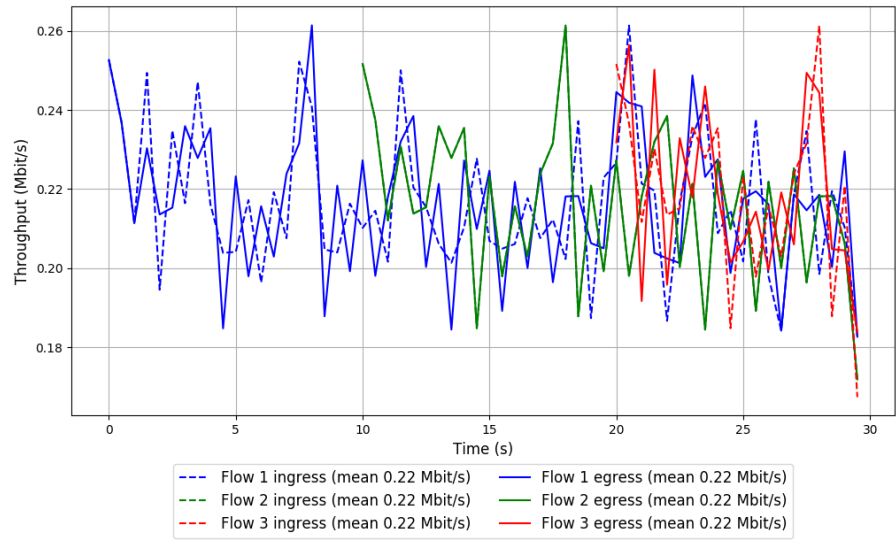
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.987 ms

Loss rate: 0.00%

#### Run 4: Report of SReAM — Data Link



Run 5: Statistics of SReAM

Start at: 2017-12-12 00:24:34

End at: 2017-12-12 00:25:04

Local clock offset: 0.136 ms

Remote clock offset: 0.122 ms

# Below is generated by plot.py at 2017-12-12 05:06:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 3.100 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 3.450 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.977 ms

Loss rate: 0.00%

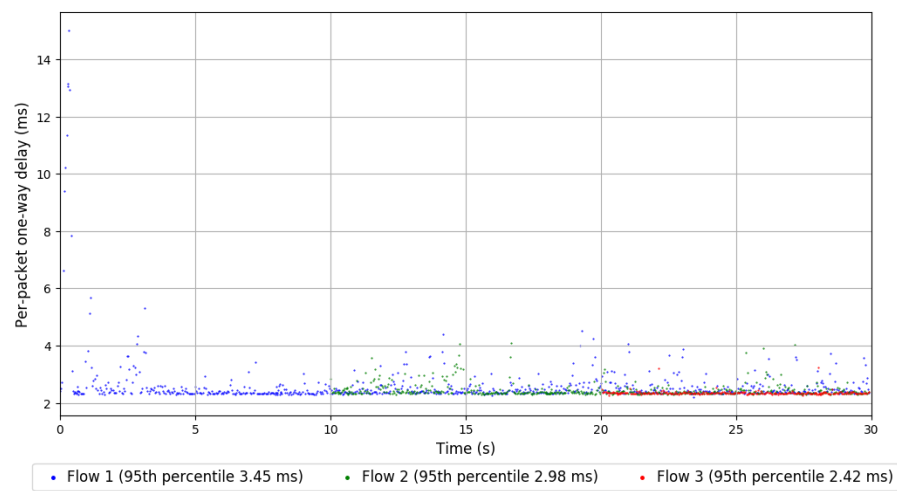
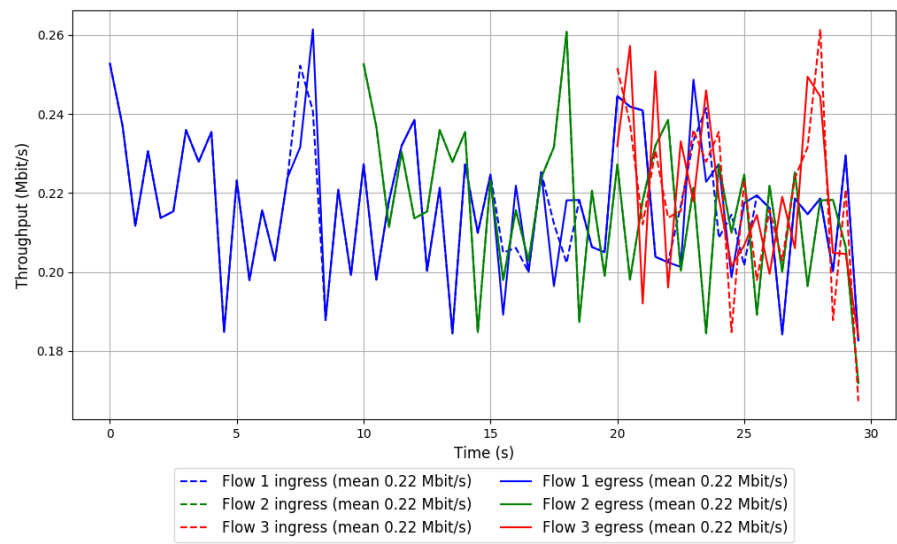
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.421 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

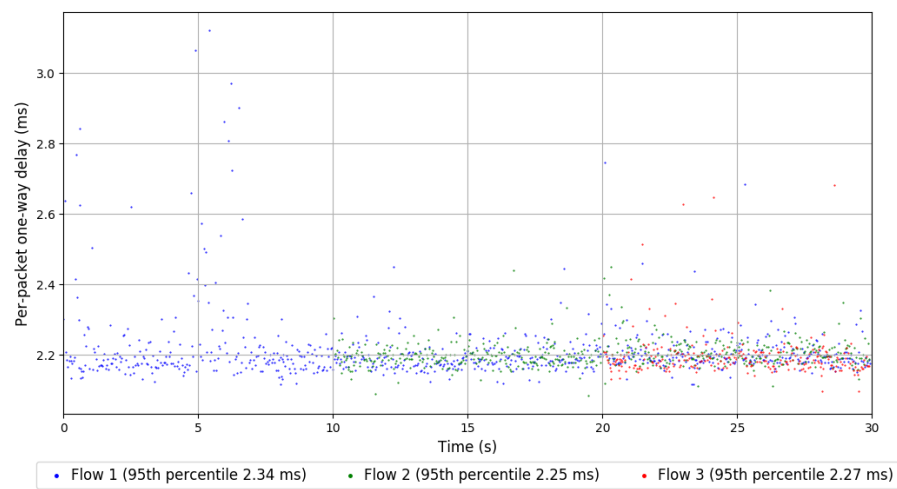
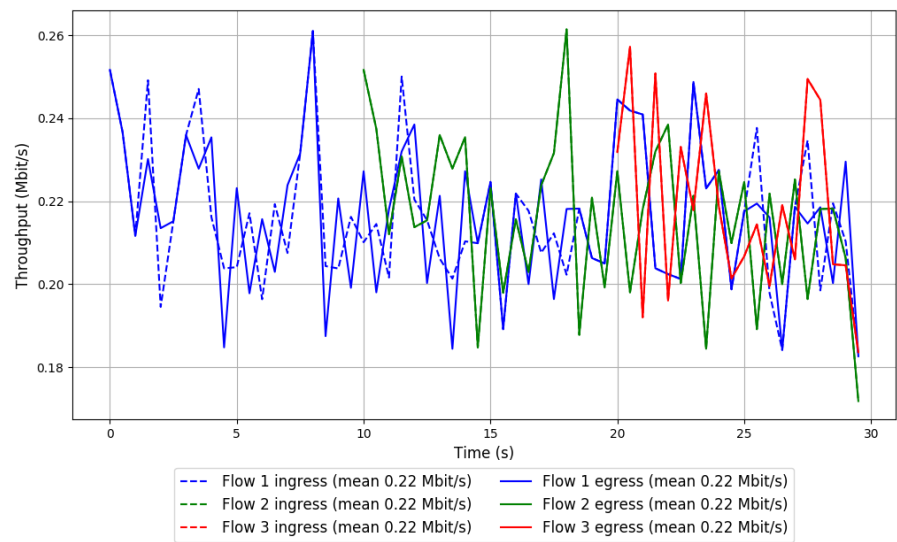


Run 6: Statistics of SReAM

Start at: 2017-12-12 00:44:00  
End at: 2017-12-12 00:44:30  
Local clock offset: 0.145 ms  
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2017-12-12 05:06:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.298 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.342 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.253 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.269 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



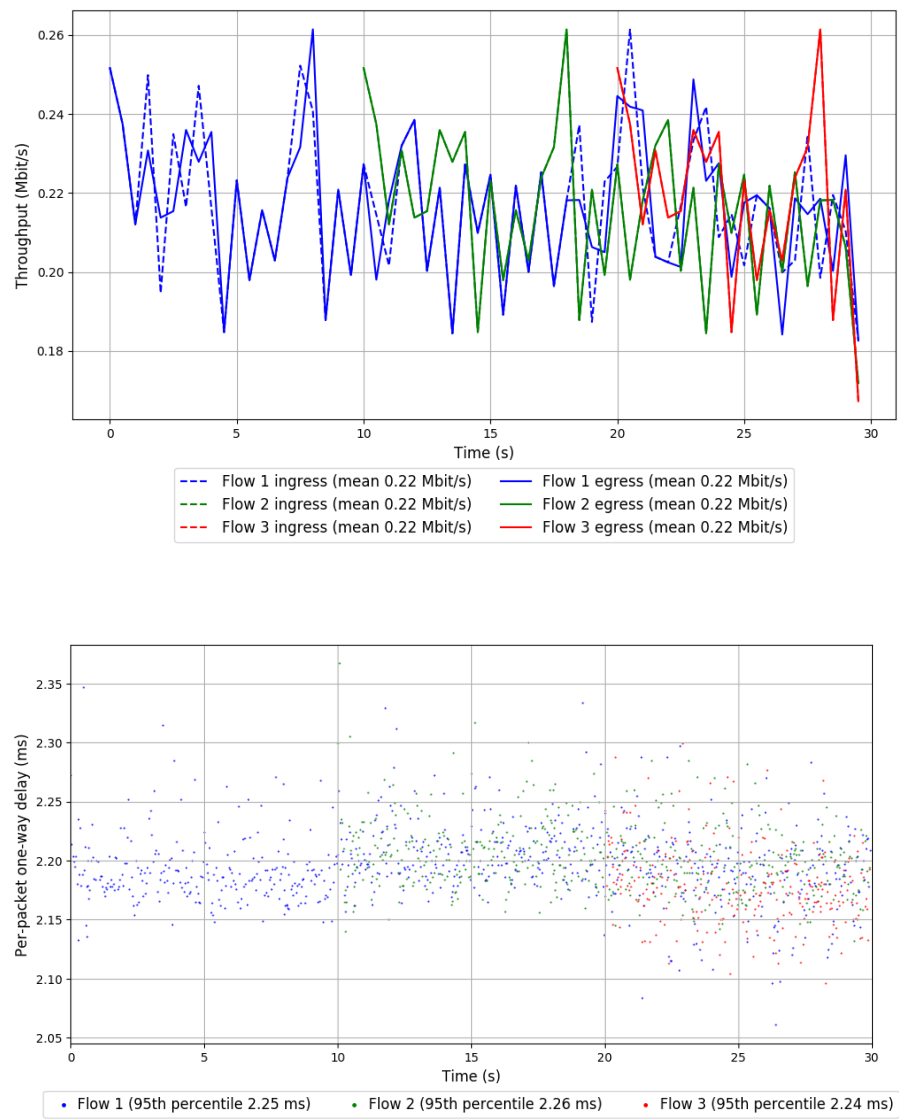
Run 7: Statistics of SReAM

Start at: 2017-12-12 01:03:21  
End at: 2017-12-12 01:03:51  
Local clock offset: 0.179 ms  
Remote clock offset: -0.125 ms

# Below is generated by plot.py at 2017-12-12 05:06:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.252 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.251 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.259 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.241 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

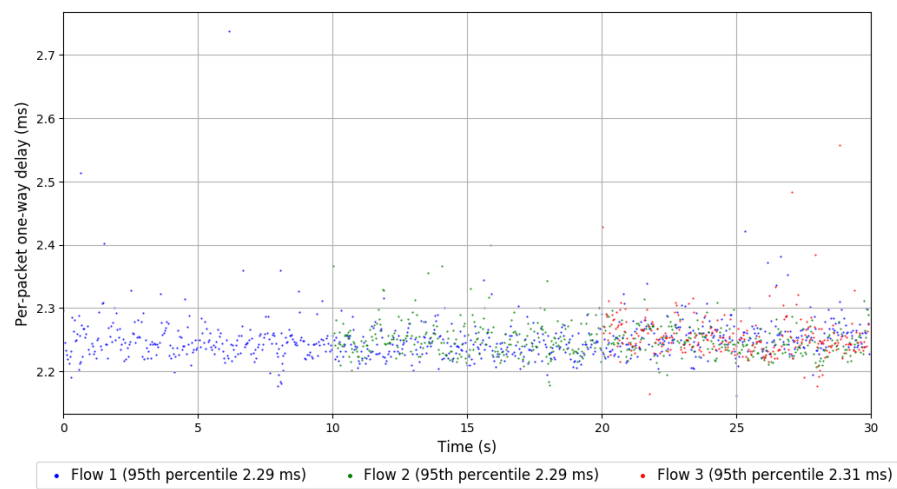
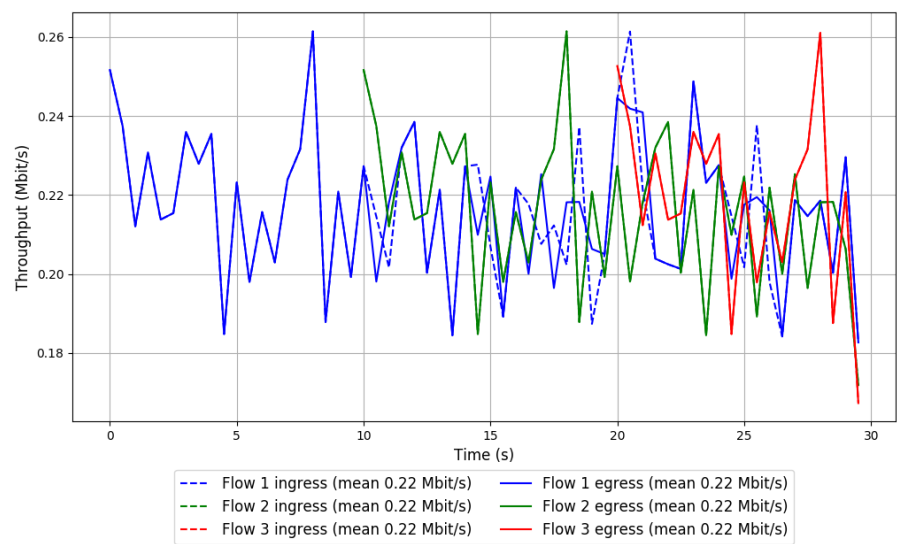


Run 8: Statistics of SReAM

Start at: 2017-12-12 01:22:41  
End at: 2017-12-12 01:23:11  
Local clock offset: -0.139 ms  
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2017-12-12 05:06:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.296 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.294 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.290 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.306 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SReAM

Start at: 2017-12-12 01:42:16

End at: 2017-12-12 01:42:46

Local clock offset: -0.348 ms

Remote clock offset: -0.28 ms

# Below is generated by plot.py at 2017-12-12 05:06:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 0.43 Mbit/s

95th percentile per-packet one-way delay: 2.243 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.231 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.259 ms

Loss rate: 0.00%

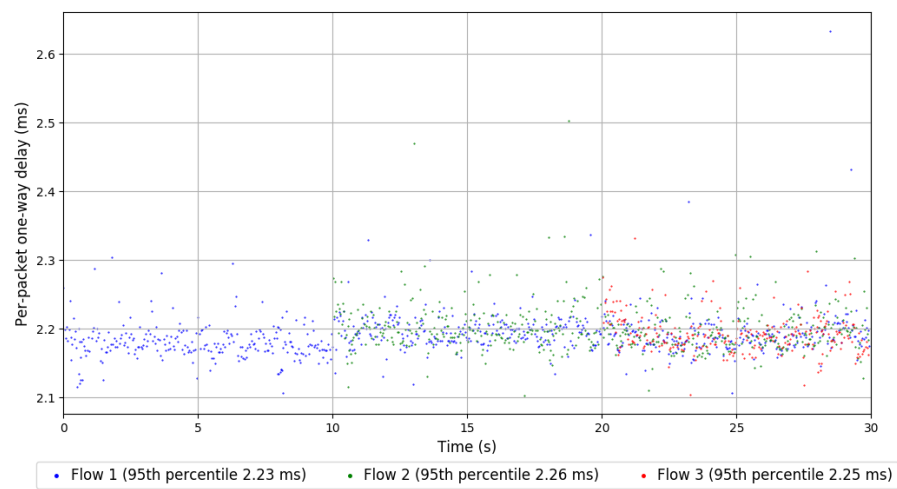
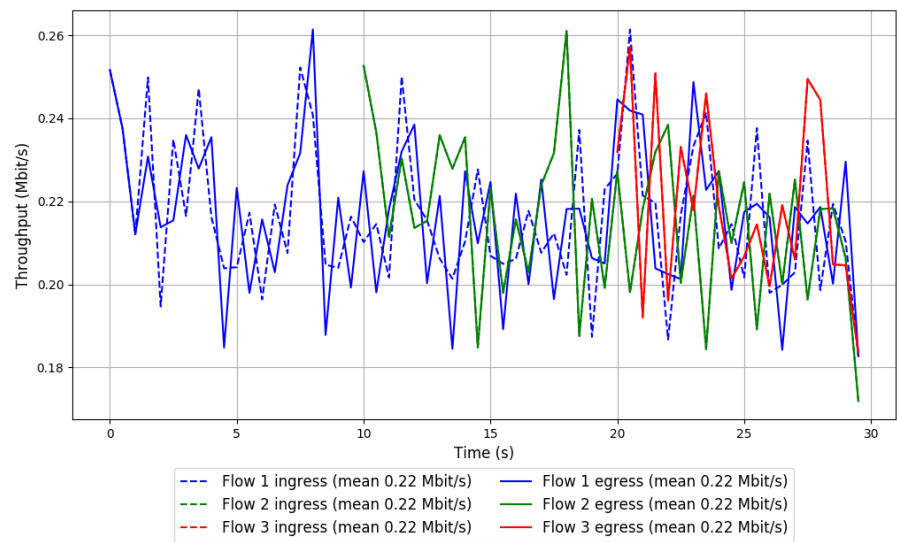
-- Flow 3:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.249 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

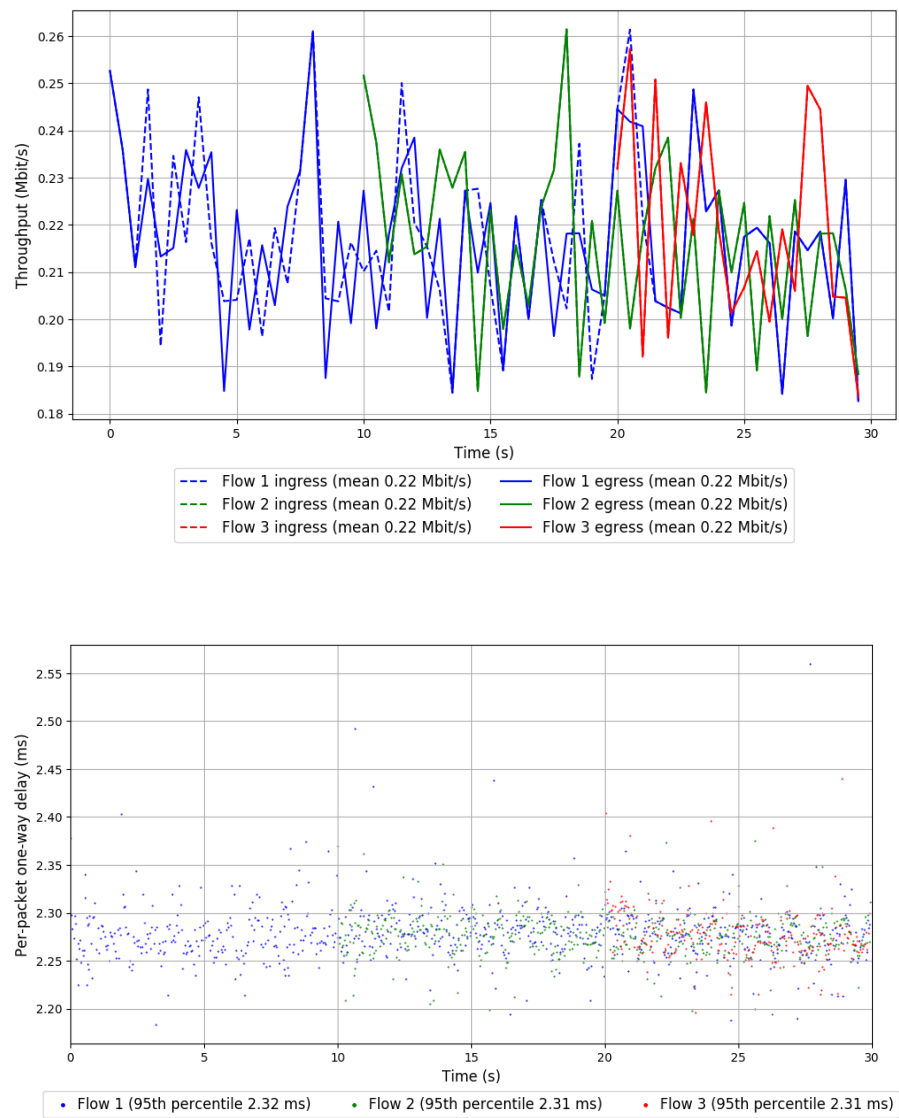


Run 10: Statistics of SReAM

Start at: 2017-12-12 02:01:47  
End at: 2017-12-12 02:02:17  
Local clock offset: -0.534 ms  
Remote clock offset: -0.253 ms

# Below is generated by plot.py at 2017-12-12 05:06:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 2.314 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.319 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.307 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.313 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



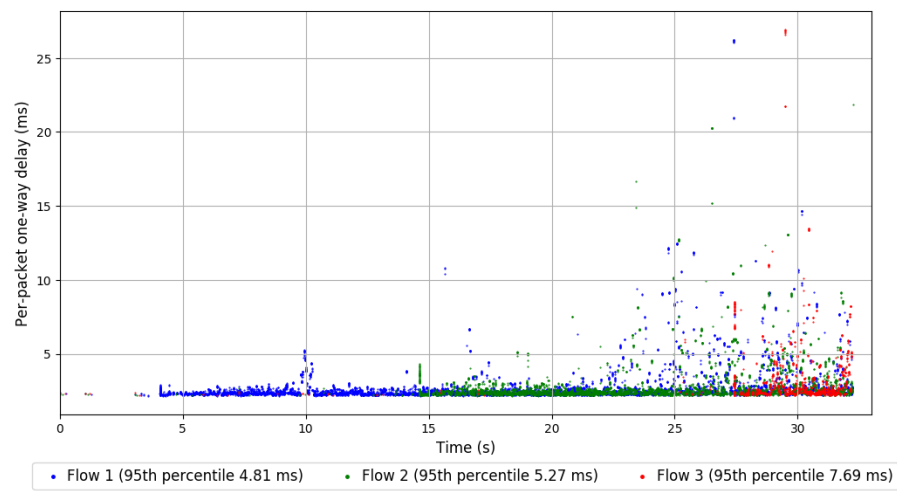
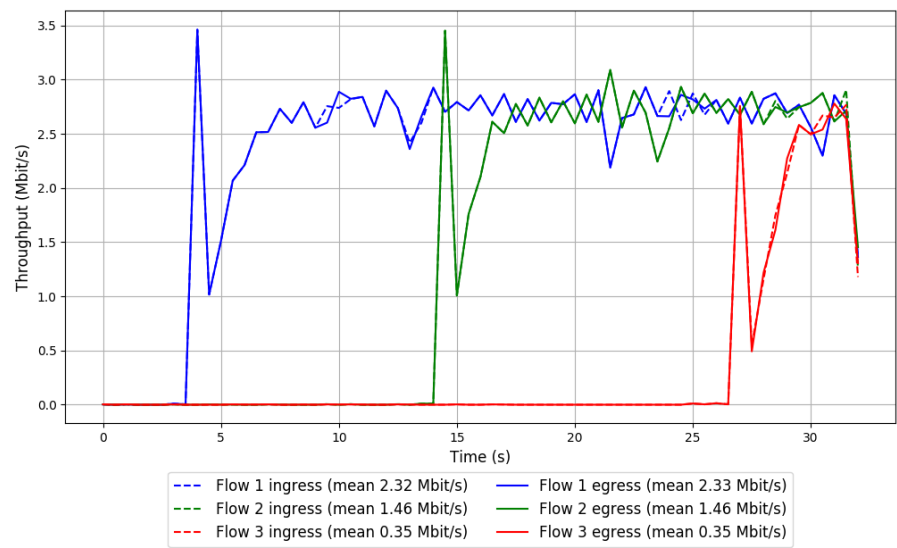
```
Run 1: Statistics of WebRTC media

Start at: 2017-12-11 23:09:02
End at: 2017-12-11 23:09:32
Local clock offset: 0.642 ms
Remote clock offset: 0.83 ms

# Below is generated by plot.py at 2017-12-12 05:06:00
# Datalink statistics
-- Total of 3 flows:
Average throughput: 4.13 Mbit/s
95th percentile per-packet one-way delay: 5.205 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 4.811 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 1.46 Mbit/s
95th percentile per-packet one-way delay: 5.267 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 0.35 Mbit/s
95th percentile per-packet one-way delay: 7.688 ms
Loss rate: 0.00%
```



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2017-12-11 23:28:15

End at: 2017-12-11 23:28:45

Local clock offset: 0.505 ms

Remote clock offset: 0.522 ms

# Below is generated by plot.py at 2017-12-12 05:06:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.13 Mbit/s

95th percentile per-packet one-way delay: 5.397 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 5.190 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 5.413 ms

Loss rate: 0.00%

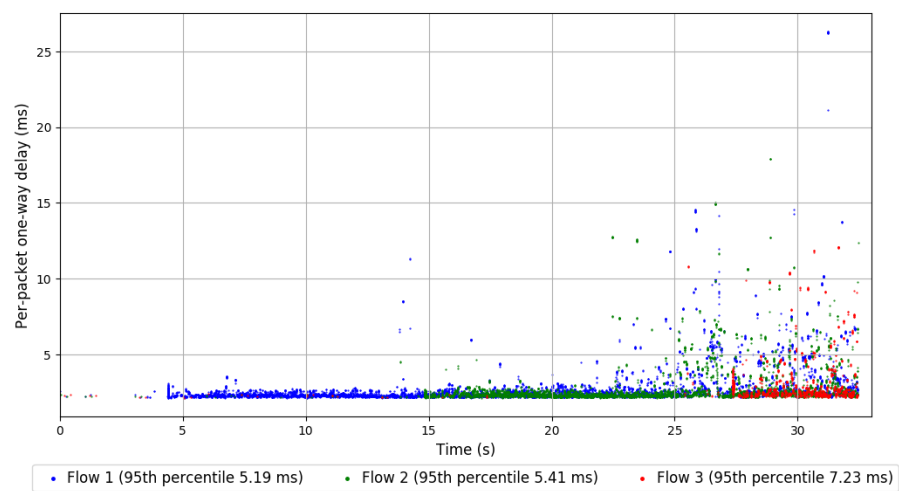
-- Flow 3:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 7.230 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-12-11 23:47:42

End at: 2017-12-11 23:48:12

Local clock offset: 0.38 ms

Remote clock offset: 0.404 ms

# Below is generated by plot.py at 2017-12-12 05:06:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 34.147 ms

Loss rate: 0.15%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 4.251 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 5.133 ms

Loss rate: 0.00%

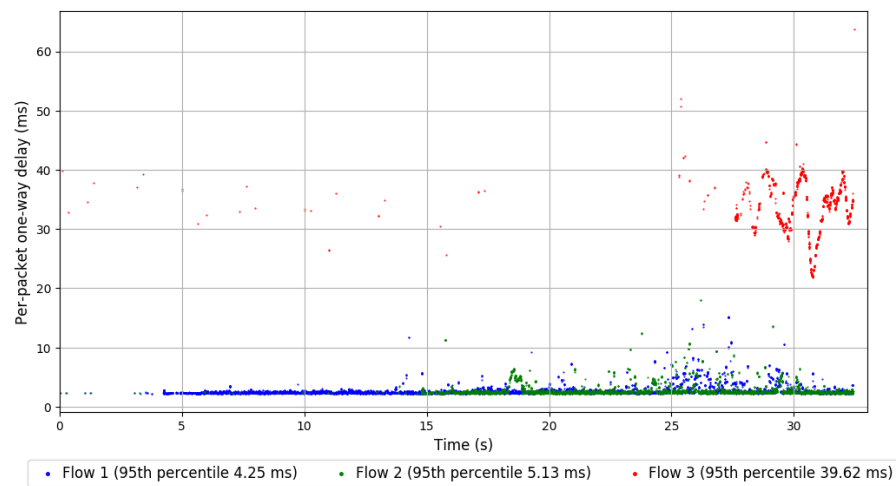
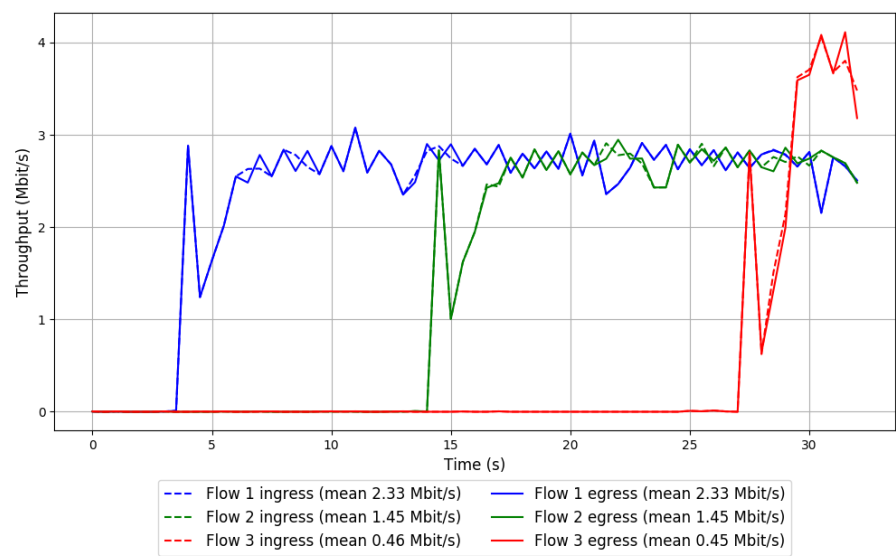
-- Flow 3:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 39.624 ms

Loss rate: 1.40%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-12-12 00:07:06

End at: 2017-12-12 00:07:36

Local clock offset: 0.294 ms

Remote clock offset: 0.243 ms

# Below is generated by plot.py at 2017-12-12 05:06:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 5.557 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.31 Mbit/s

95th percentile per-packet one-way delay: 4.837 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 5.305 ms

Loss rate: 0.00%

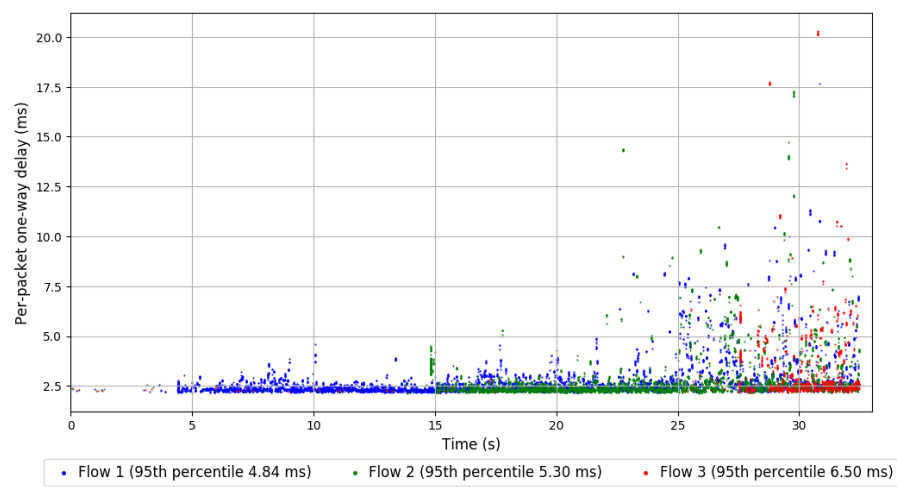
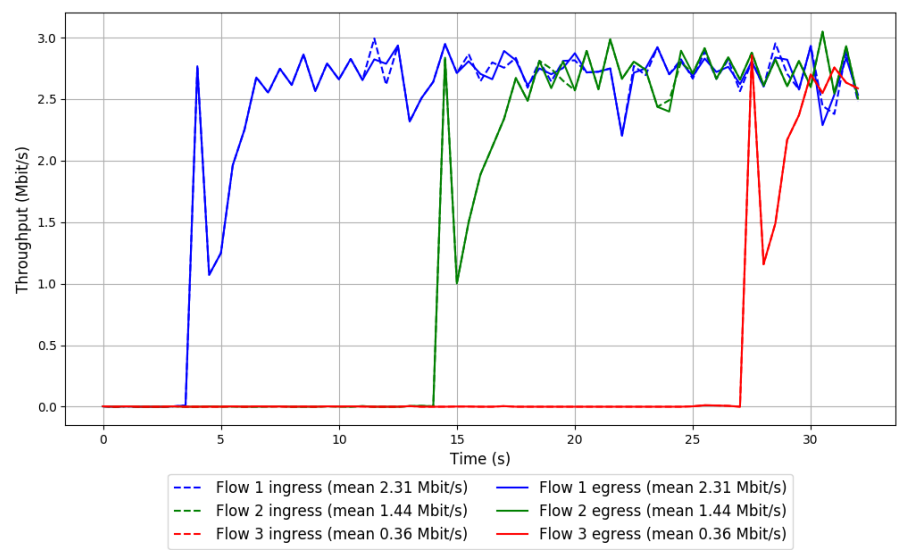
-- Flow 3:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 6.495 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-12-12 00:26:45

End at: 2017-12-12 00:27:15

Local clock offset: 0.189 ms

Remote clock offset: 0.106 ms

# Below is generated by plot.py at 2017-12-12 05:06:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 5.379 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 5.874 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.42 Mbit/s

95th percentile per-packet one-way delay: 5.038 ms

Loss rate: 0.00%

-- Flow 3:

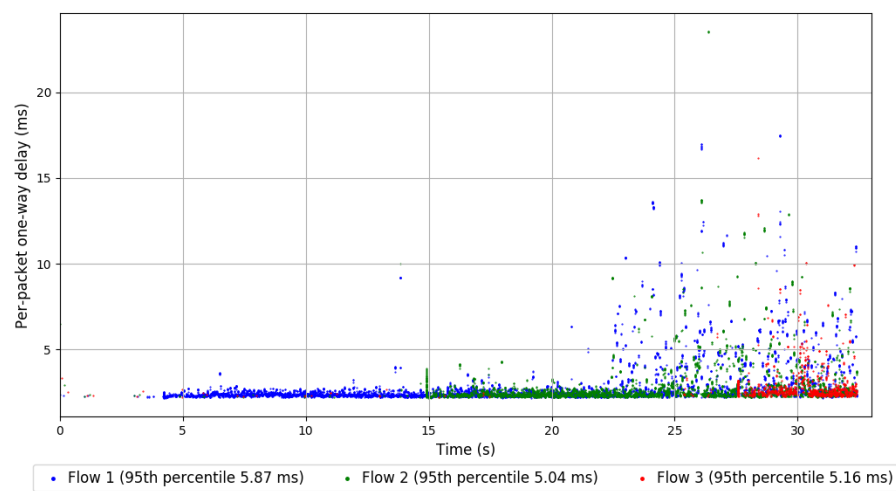
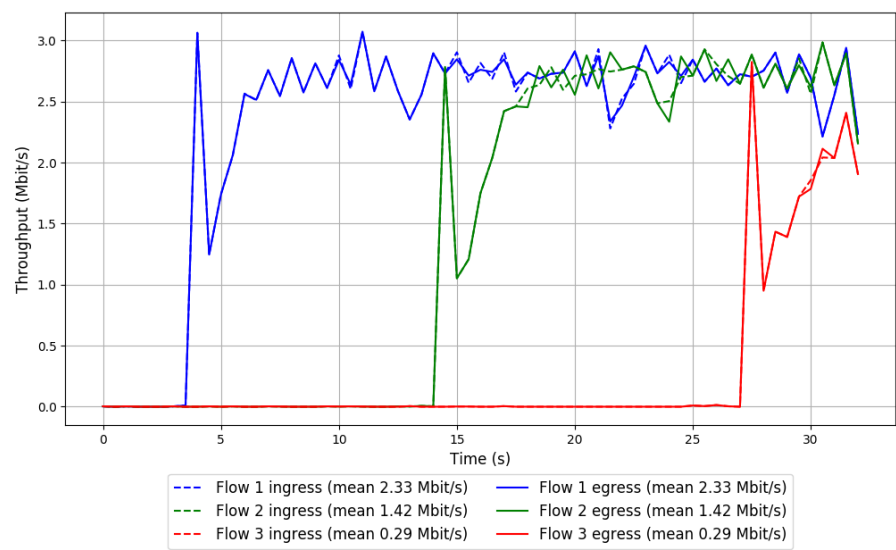
Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 5.156 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

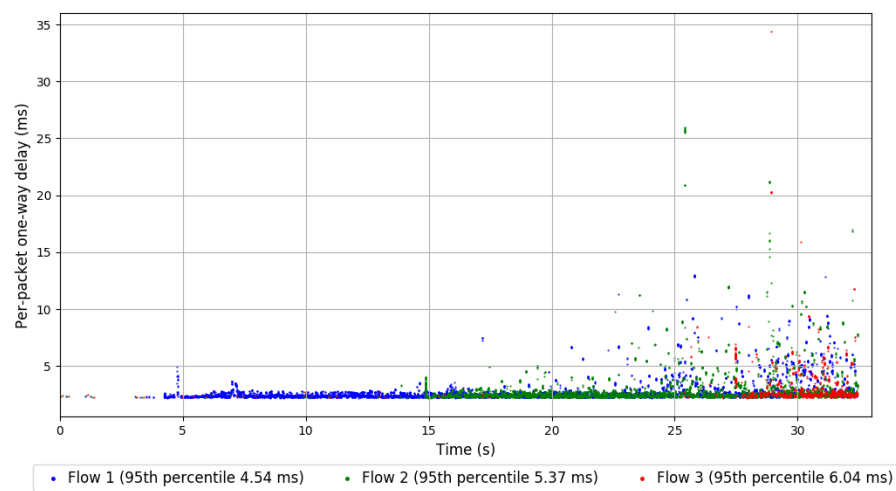
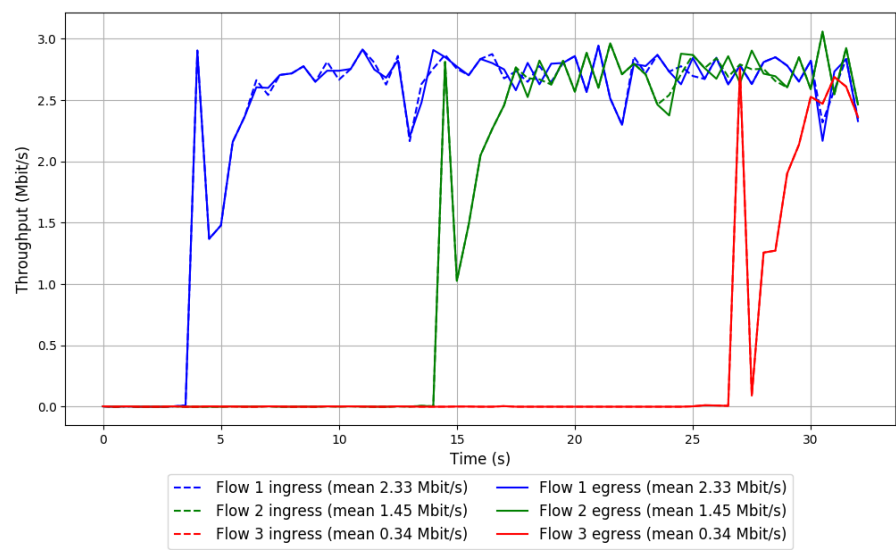


Run 6: Statistics of WebRTC media

Start at: 2017-12-12 00:46:11  
End at: 2017-12-12 00:46:41  
Local clock offset: 0.122 ms  
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2017-12-12 05:06:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.11 Mbit/s  
95th percentile per-packet one-way delay: 5.187 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.33 Mbit/s  
95th percentile per-packet one-way delay: 4.539 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 1.45 Mbit/s  
95th percentile per-packet one-way delay: 5.371 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.34 Mbit/s  
95th percentile per-packet one-way delay: 6.045 ms  
Loss rate: 0.01%

Run 6: Report of WebRTC media — Data Link

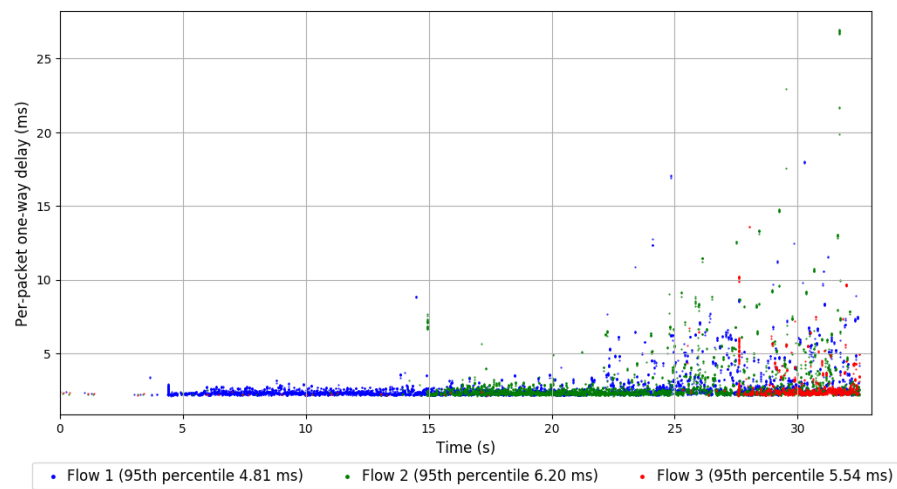
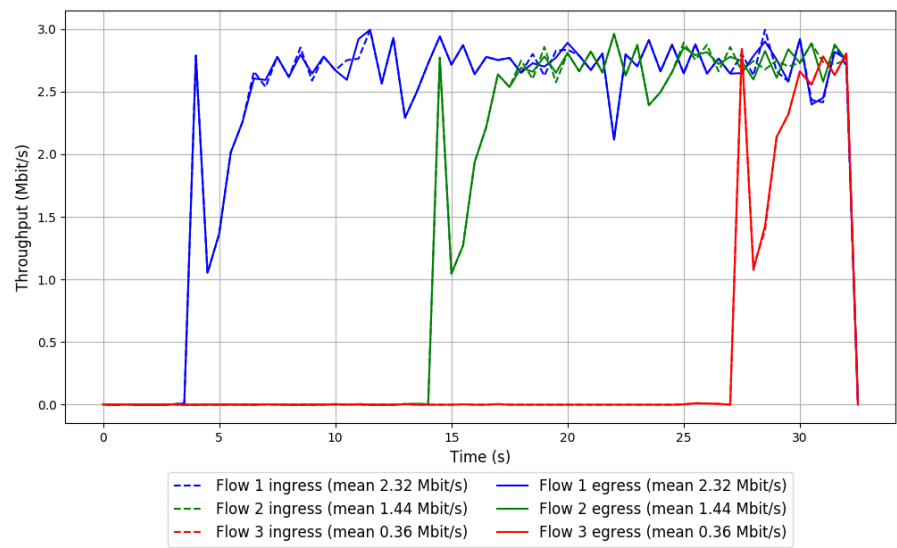


Run 7: Statistics of WebRTC media

Start at: 2017-12-12 01:05:32  
End at: 2017-12-12 01:06:02  
Local clock offset: 0.124 ms  
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2017-12-12 05:06:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.11 Mbit/s  
95th percentile per-packet one-way delay: 5.255 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.32 Mbit/s  
95th percentile per-packet one-way delay: 4.813 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.44 Mbit/s  
95th percentile per-packet one-way delay: 6.199 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 5.543 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-12-12 01:24:52

End at: 2017-12-12 01:25:22

Local clock offset: -0.181 ms

Remote clock offset: -0.13 ms

# Below is generated by plot.py at 2017-12-12 05:06:00

# Datalink statistics

-- Total of 3 flows:

Average throughput: 4.12 Mbit/s

95th percentile per-packet one-way delay: 5.359 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 5.171 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 5.444 ms

Loss rate: 0.00%

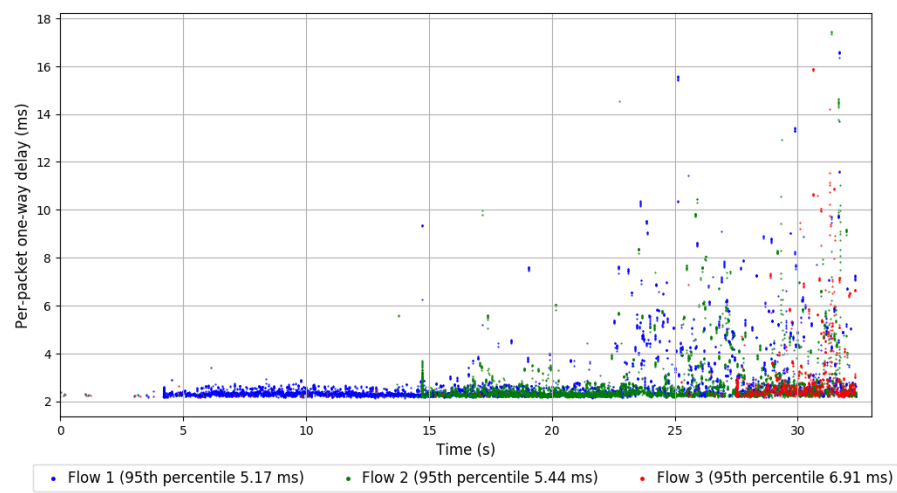
-- Flow 3:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 6.913 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



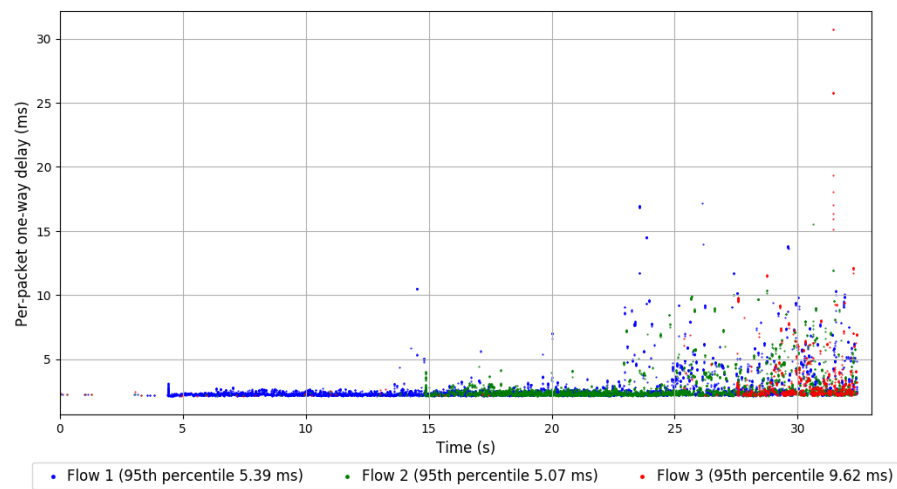
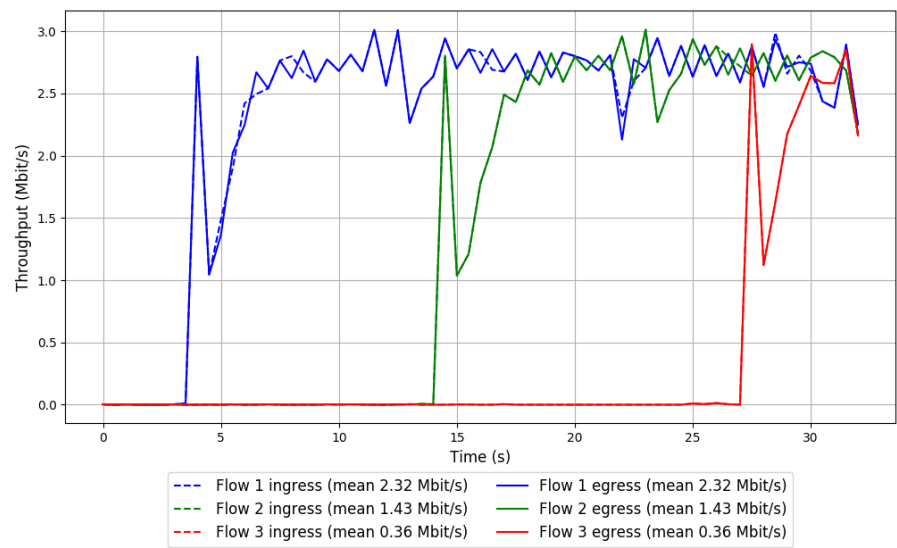
Run 9: Statistics of WebRTC media

Start at: 2017-12-12 01:44:27  
End at: 2017-12-12 01:44:57  
Local clock offset: -0.325 ms  
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2017-12-12 05:06:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.10 Mbit/s  
95th percentile per-packet one-way delay: 5.829 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.32 Mbit/s  
95th percentile per-packet one-way delay: 5.394 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.43 Mbit/s  
95th percentile per-packet one-way delay: 5.065 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.36 Mbit/s  
95th percentile per-packet one-way delay: 9.621 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link

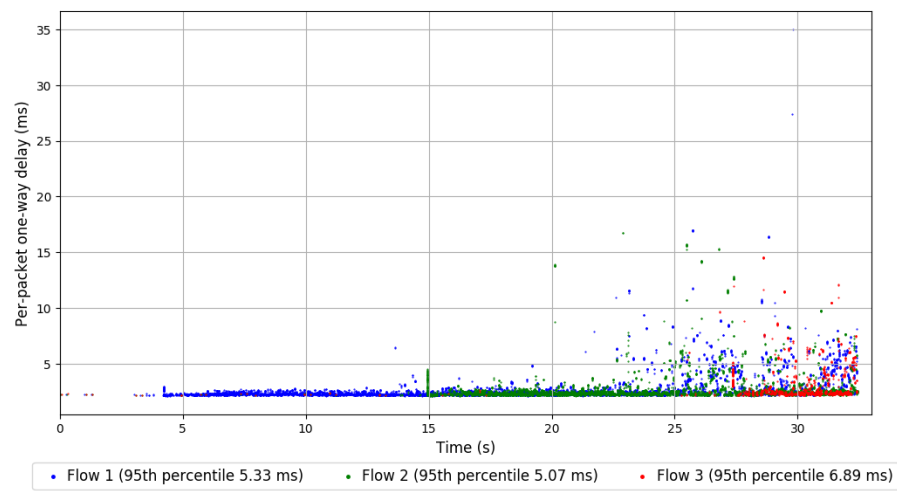
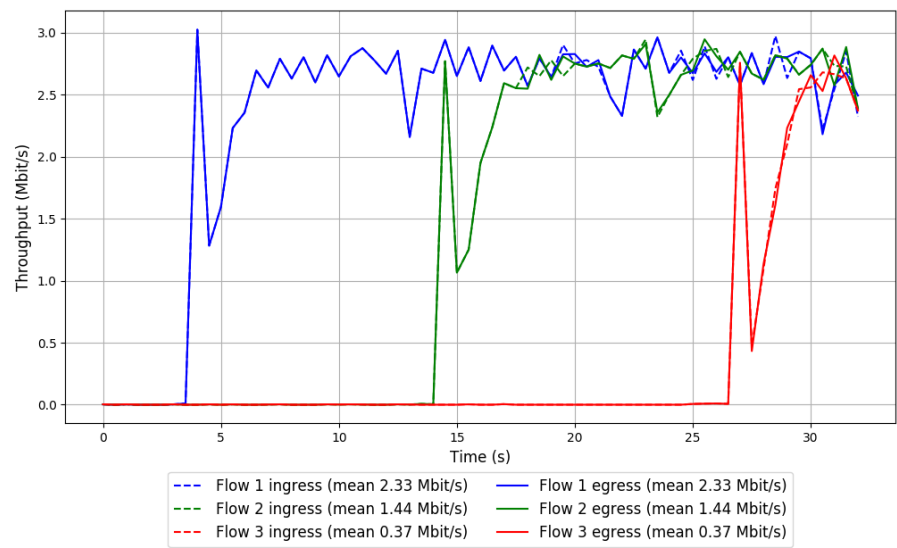


Run 10: Statistics of WebRTC media

Start at: 2017-12-12 02:03:57  
End at: 2017-12-12 02:04:27  
Local clock offset: -0.539 ms  
Remote clock offset: -0.271 ms

# Below is generated by plot.py at 2017-12-12 05:06:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 4.14 Mbit/s  
95th percentile per-packet one-way delay: 5.419 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.33 Mbit/s  
95th percentile per-packet one-way delay: 5.328 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.44 Mbit/s  
95th percentile per-packet one-way delay: 5.070 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 6.886 ms  
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2017-12-11 23:07:55

End at: 2017-12-11 23:08:25

Local clock offset: 0.678 ms

Remote clock offset: 0.825 ms

# Below is generated by plot.py at 2017-12-12 05:06:33

# Datalink statistics

-- Total of 3 flows:

Average throughput: 100.03 Mbit/s

95th percentile per-packet one-way delay: 6.345 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.19 Mbit/s

95th percentile per-packet one-way delay: 7.369 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.15 Mbit/s

95th percentile per-packet one-way delay: 3.077 ms

Loss rate: 0.00%

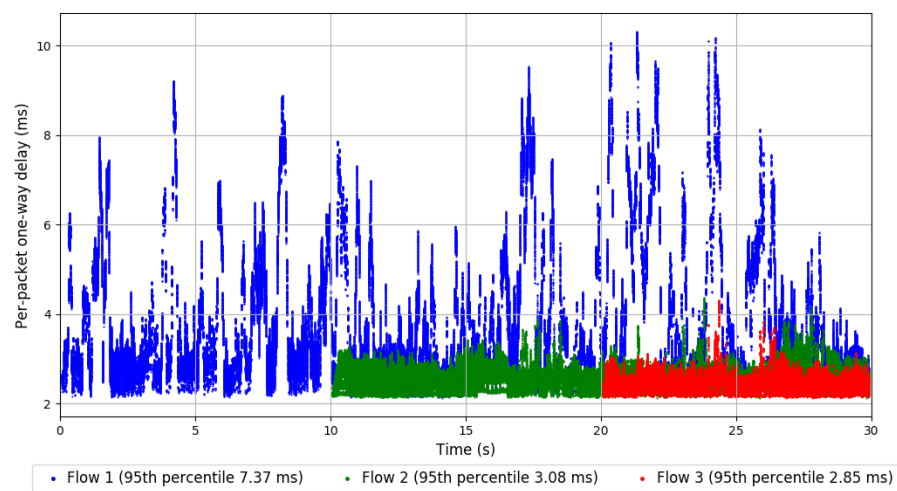
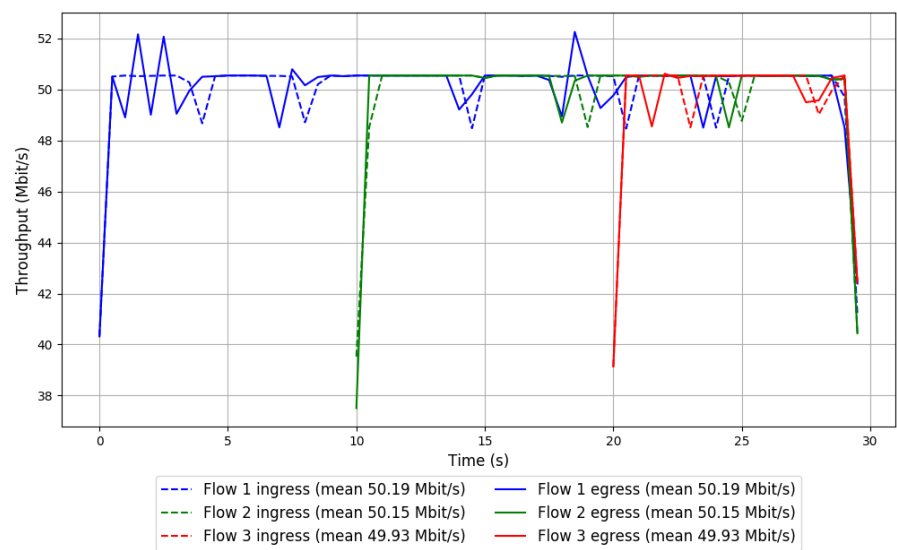
-- Flow 3:

Average throughput: 49.93 Mbit/s

95th percentile per-packet one-way delay: 2.848 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2017-12-11 23:27:08

End at: 2017-12-11 23:27:38

Local clock offset: 0.593 ms

Remote clock offset: 0.594 ms

# Below is generated by plot.py at 2017-12-12 05:06:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 100.10 Mbit/s

95th percentile per-packet one-way delay: 3.267 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.24 Mbit/s

95th percentile per-packet one-way delay: 3.188 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.14 Mbit/s

95th percentile per-packet one-way delay: 3.249 ms

Loss rate: 0.00%

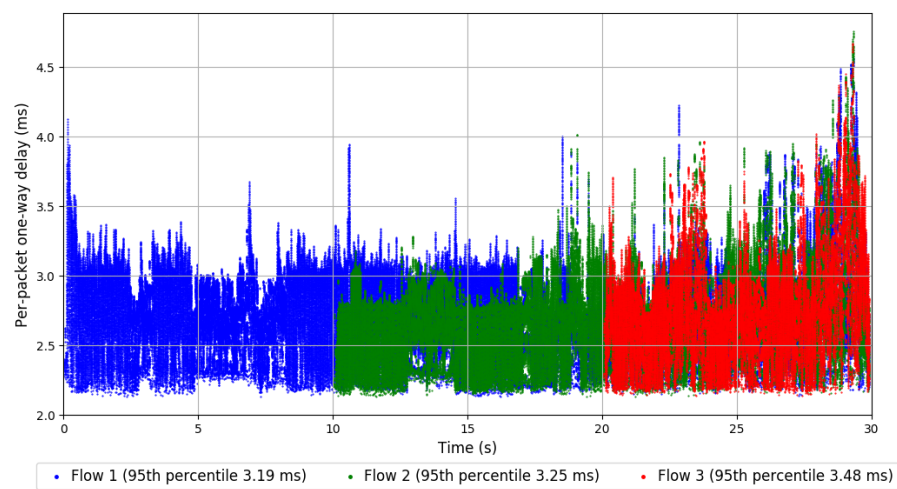
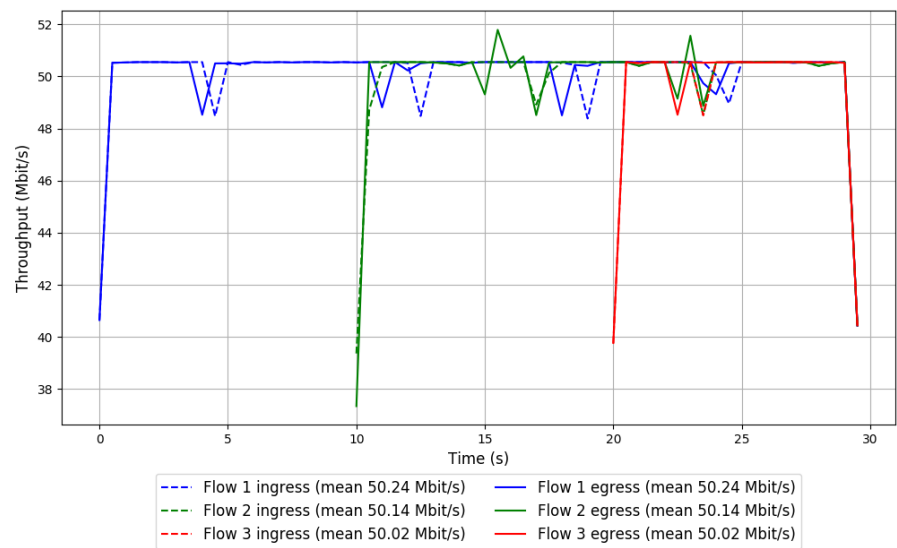
-- Flow 3:

Average throughput: 50.02 Mbit/s

95th percentile per-packet one-way delay: 3.478 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



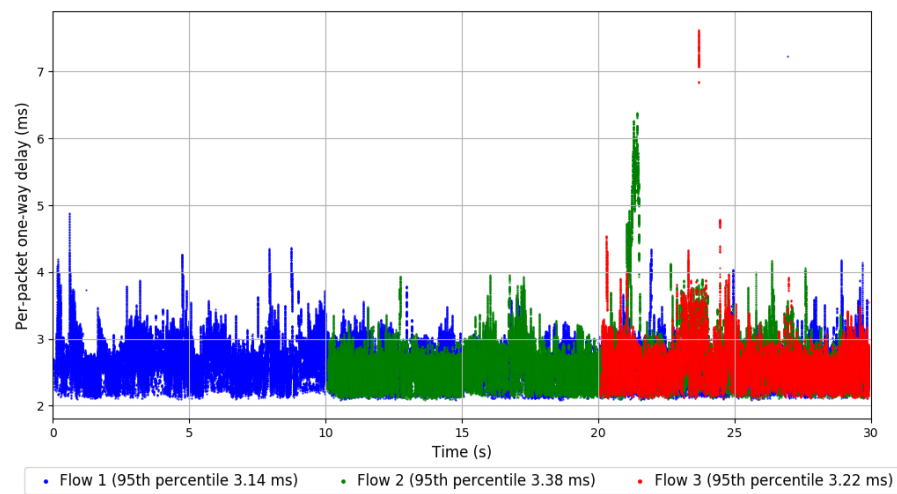
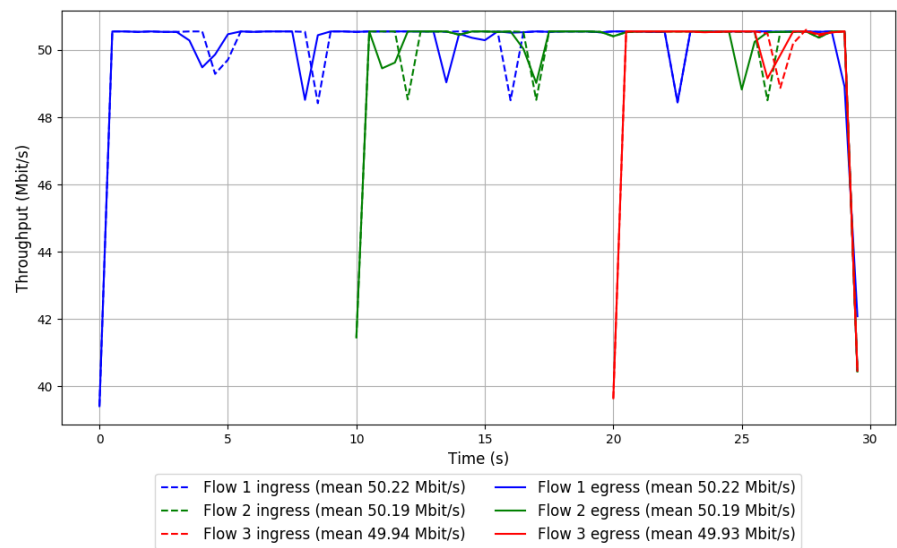
### Run 3: Statistics of Sprout

Start at: 2017-12-11 23:46:35  
End at: 2017-12-11 23:47:05  
Local clock offset: 0.442 ms  
Remote clock offset: 0.361 ms

```
# Below is generated by plot.py at 2017-12-12 05:06:55
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.10 Mbit/s
95th percentile per-packet one-way delay: 3.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 3.138 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.19 Mbit/s
95th percentile per-packet one-way delay: 3.380 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.93 Mbit/s
95th percentile per-packet one-way delay: 3.220 ms
Loss rate: 0.00%
```



Run 3: Report of Sprout — Data Link



#### Run 4: Statistics of Sprout

Start at: 2017-12-12 00:05:59

End at: 2017-12-12 00:06:29

Local clock offset: 0.321 ms

Remote clock offset: 0.181 ms

# Below is generated by plot.py at 2017-12-12 05:07:04

# Datalink statistics

-- Total of 3 flows:

Average throughput: 100.00 Mbit/s

95th percentile per-packet one-way delay: 3.103 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.20 Mbit/s

95th percentile per-packet one-way delay: 3.122 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.12 Mbit/s

95th percentile per-packet one-way delay: 3.088 ms

Loss rate: 0.00%

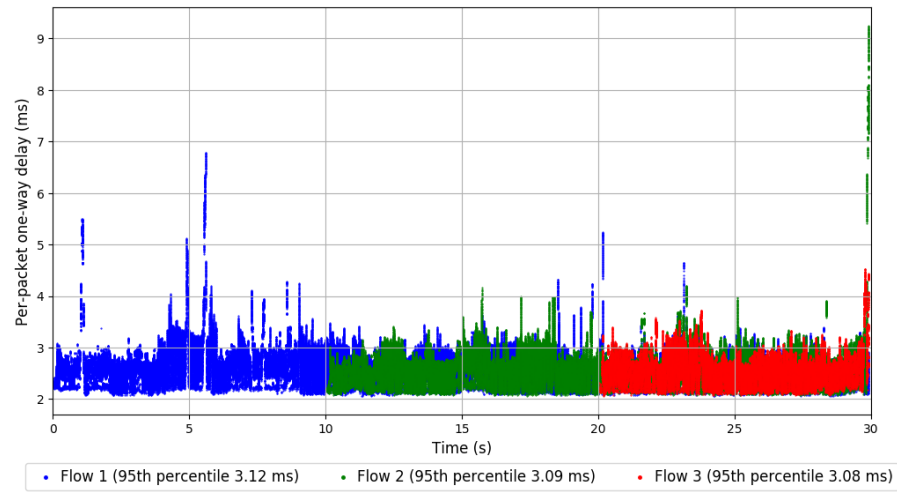
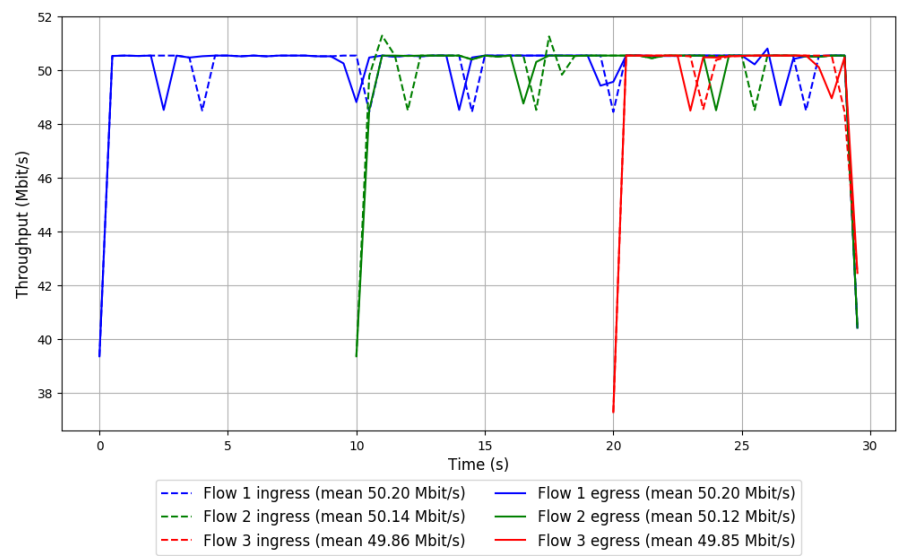
-- Flow 3:

Average throughput: 49.85 Mbit/s

95th percentile per-packet one-way delay: 3.078 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-12-12 00:25:38

End at: 2017-12-12 00:26:08

Local clock offset: 0.21 ms

Remote clock offset: 0.104 ms

# Below is generated by plot.py at 2017-12-12 05:07:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 100.11 Mbit/s

95th percentile per-packet one-way delay: 3.091 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 50.30 Mbit/s

95th percentile per-packet one-way delay: 3.116 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 50.13 Mbit/s

95th percentile per-packet one-way delay: 3.078 ms

Loss rate: 0.00%

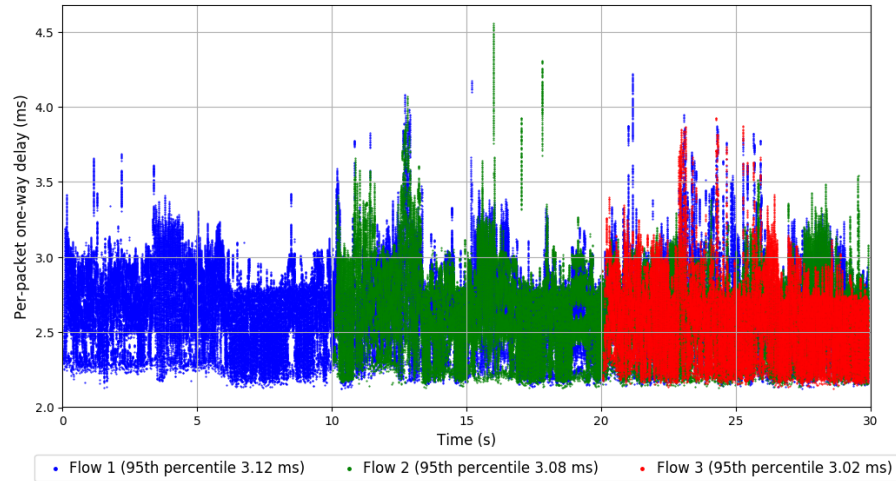
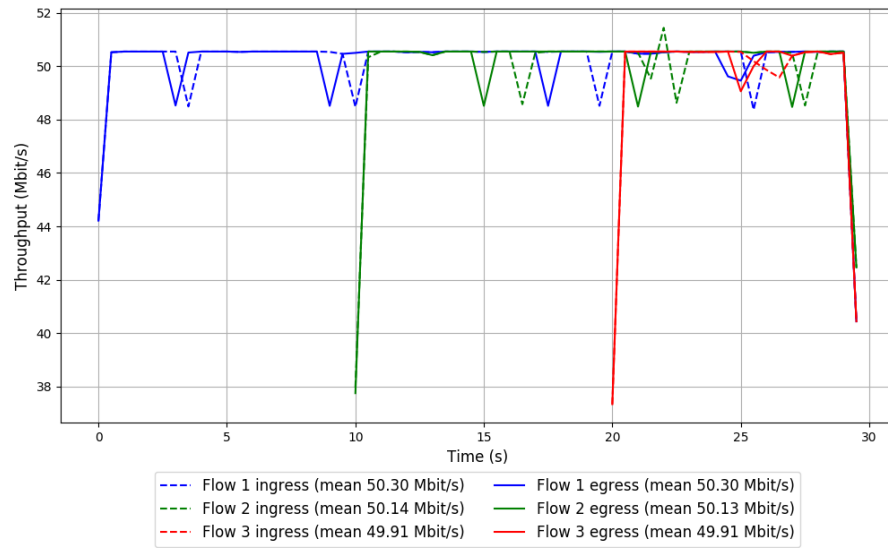
-- Flow 3:

Average throughput: 49.91 Mbit/s

95th percentile per-packet one-way delay: 3.020 ms

Loss rate: 0.00%

## Run 5: Report of Sprout — Data Link

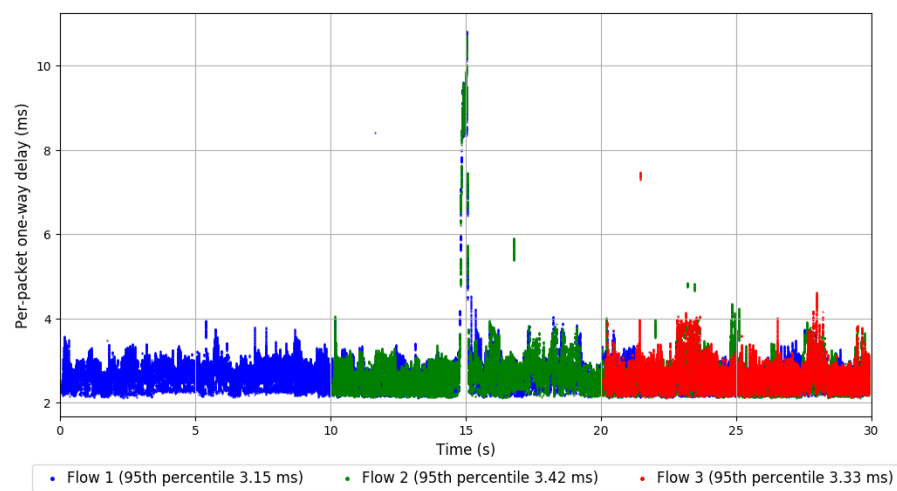
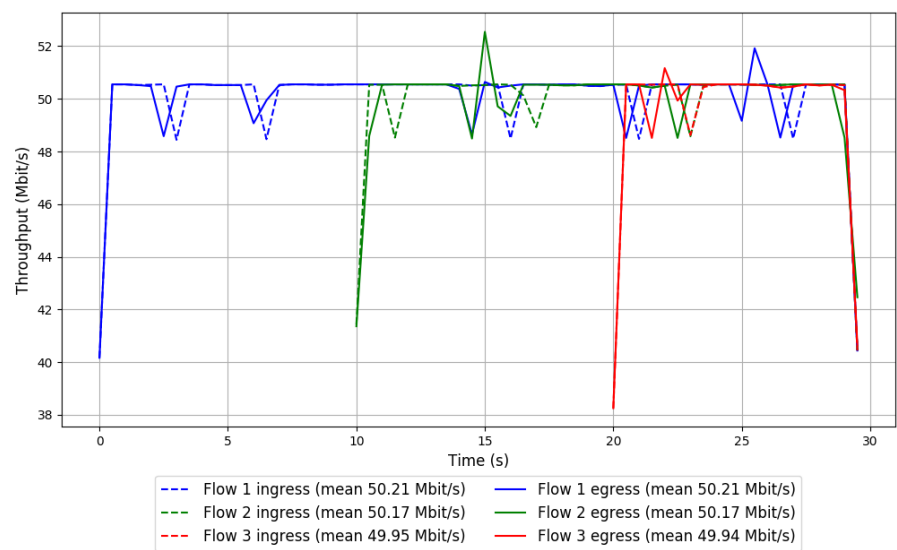


Run 6: Statistics of Sprout

Start at: 2017-12-12 00:45:04  
End at: 2017-12-12 00:45:34  
Local clock offset: 0.16 ms  
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2017-12-12 05:07:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.07 Mbit/s  
95th percentile per-packet one-way delay: 3.269 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.21 Mbit/s  
95th percentile per-packet one-way delay: 3.154 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.17 Mbit/s  
95th percentile per-packet one-way delay: 3.422 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.94 Mbit/s  
95th percentile per-packet one-way delay: 3.325 ms  
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



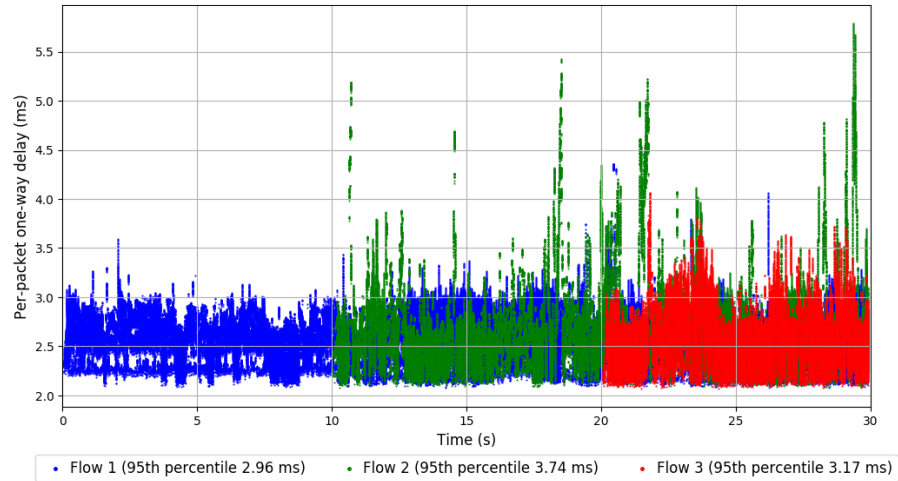
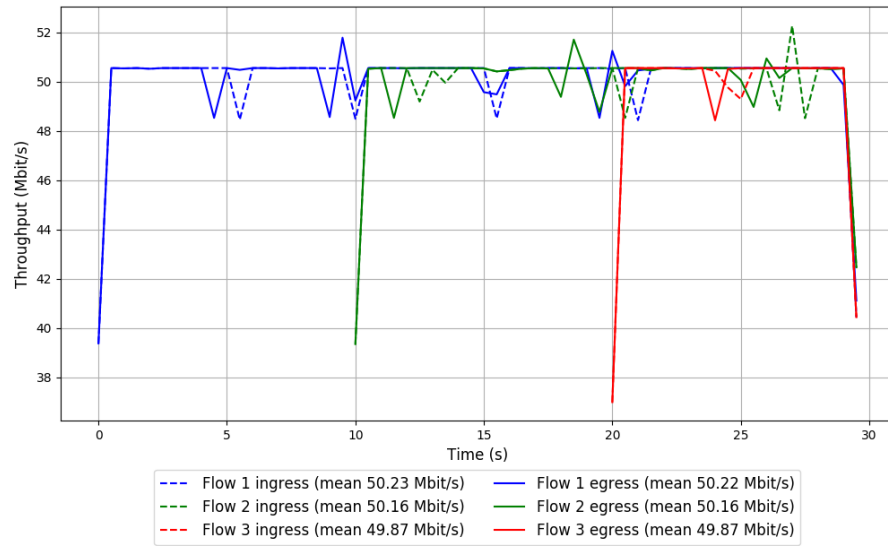
Run 7: Statistics of Sprout

Start at: 2017-12-12 01:04:25  
End at: 2017-12-12 01:04:55  
Local clock offset: 0.128 ms  
Remote clock offset: -0.154 ms

```
# Below is generated by plot.py at 2017-12-12 05:07:15
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.06 Mbit/s
95th percentile per-packet one-way delay: 3.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.22 Mbit/s
95th percentile per-packet one-way delay: 2.956 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.16 Mbit/s
95th percentile per-packet one-way delay: 3.736 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.87 Mbit/s
95th percentile per-packet one-way delay: 3.166 ms
Loss rate: 0.00%
```



## Run 7: Report of Sprout — Data Link

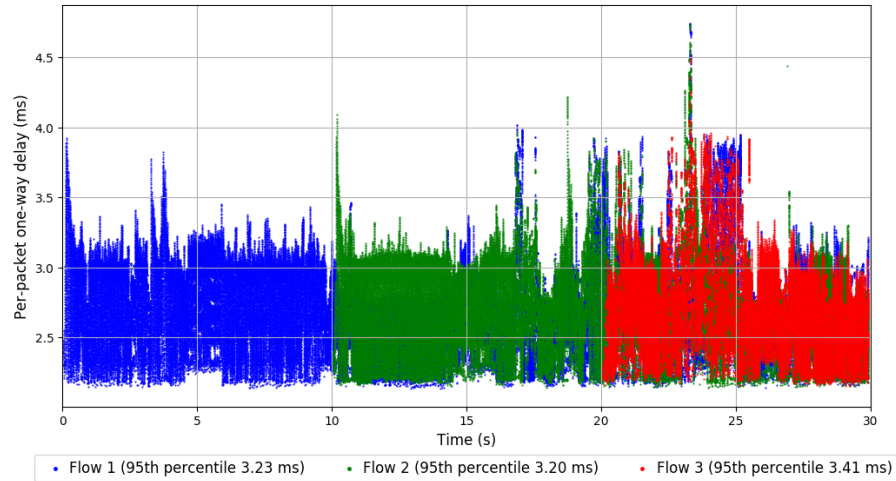
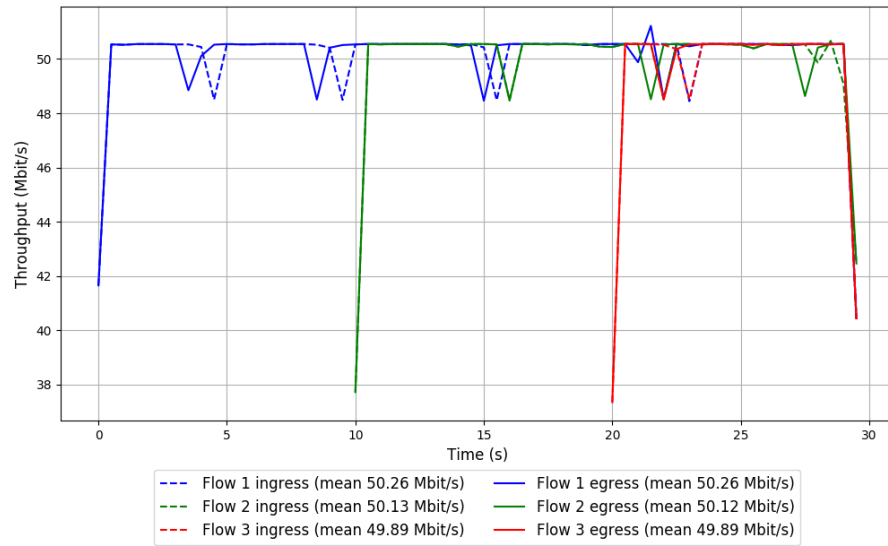


Run 8: Statistics of Sprout

Start at: 2017-12-12 01:23:45  
End at: 2017-12-12 01:24:15  
Local clock offset: -0.164 ms  
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2017-12-12 05:07:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 100.07 Mbit/s  
95th percentile per-packet one-way delay: 3.245 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.26 Mbit/s  
95th percentile per-packet one-way delay: 3.230 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 50.12 Mbit/s  
95th percentile per-packet one-way delay: 3.196 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 49.89 Mbit/s  
95th percentile per-packet one-way delay: 3.409 ms  
Loss rate: 0.00%

## Run 8: Report of Sprout — Data Link

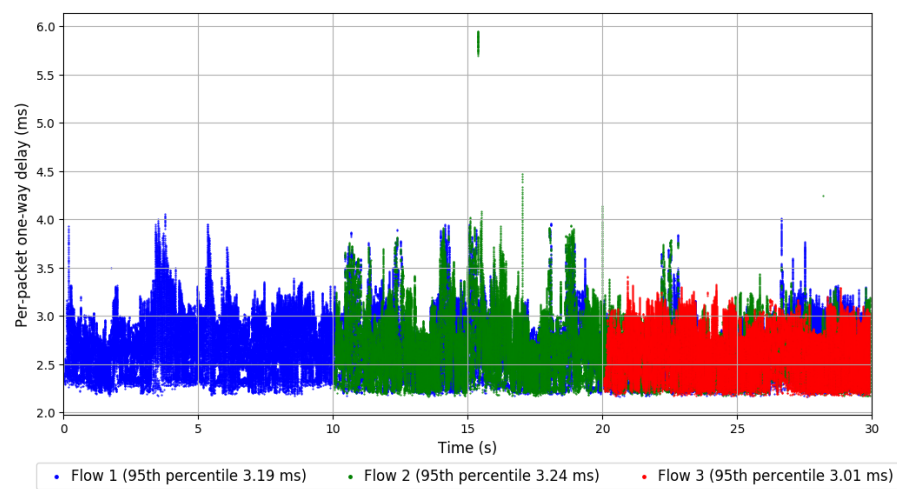
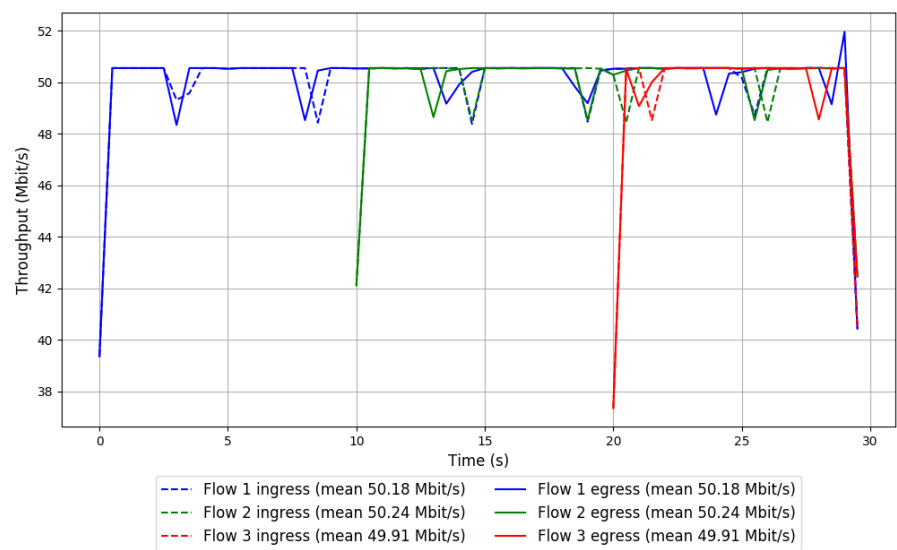


Run 9: Statistics of Sprout

Start at: 2017-12-12 01:43:20  
End at: 2017-12-12 01:43:50  
Local clock offset: -0.354 ms  
Remote clock offset: -0.19 ms

```
# Below is generated by plot.py at 2017-12-12 05:08:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.05 Mbit/s
95th percentile per-packet one-way delay: 3.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.18 Mbit/s
95th percentile per-packet one-way delay: 3.187 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.24 Mbit/s
95th percentile per-packet one-way delay: 3.237 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 3.009 ms
Loss rate: 0.00%
```

Run 9: Report of Sprout — Data Link

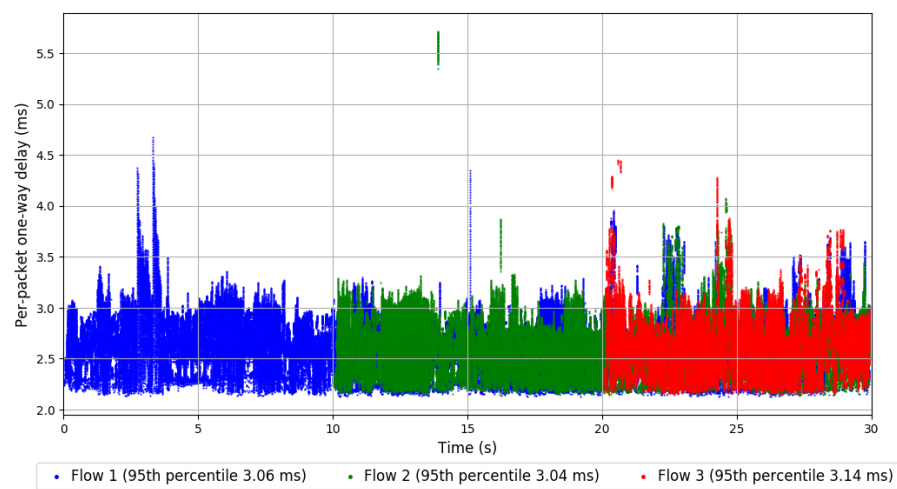
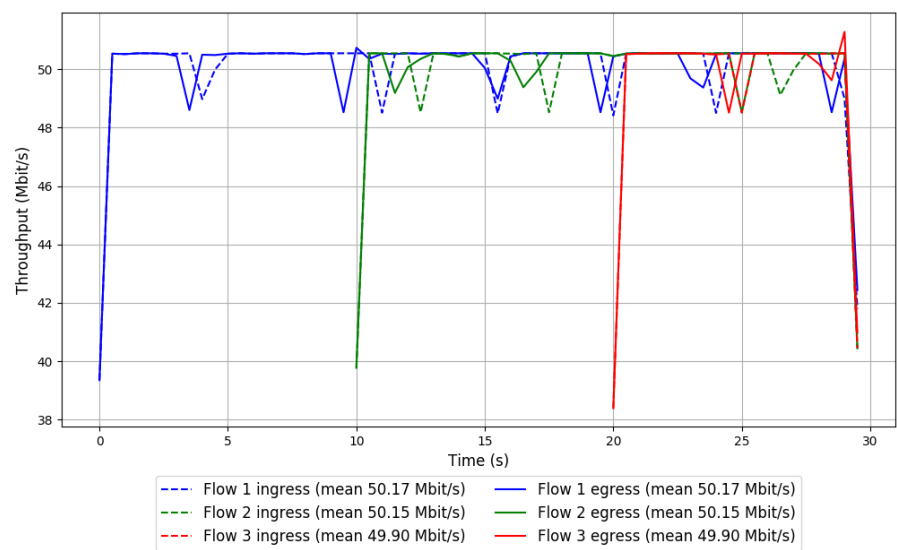


Run 10: Statistics of Sprout

Start at: 2017-12-12 02:02:51  
End at: 2017-12-12 02:03:21  
Local clock offset: -0.595 ms  
Remote clock offset: -0.329 ms

```
# Below is generated by plot.py at 2017-12-12 05:08:01
# Datalink statistics
-- Total of 3 flows:
Average throughput: 100.02 Mbit/s
95th percentile per-packet one-way delay: 3.068 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.17 Mbit/s
95th percentile per-packet one-way delay: 3.064 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 50.15 Mbit/s
95th percentile per-packet one-way delay: 3.044 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 49.90 Mbit/s
95th percentile per-packet one-way delay: 3.136 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link



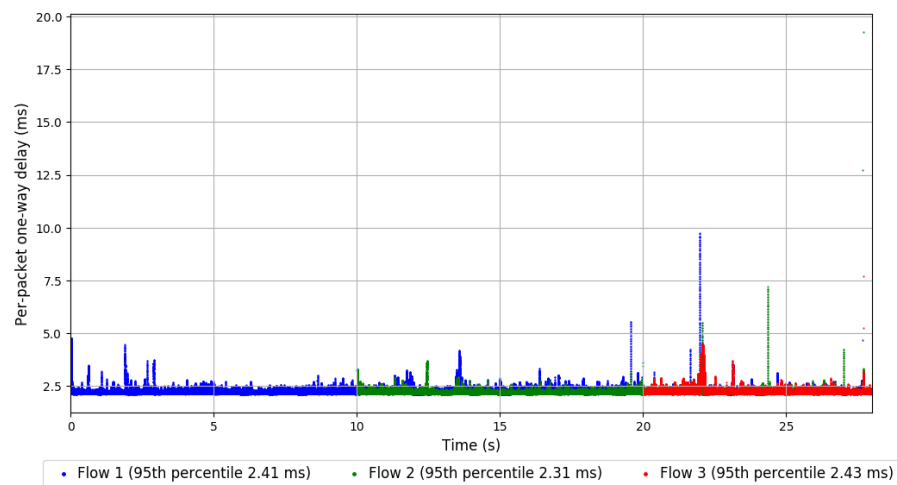
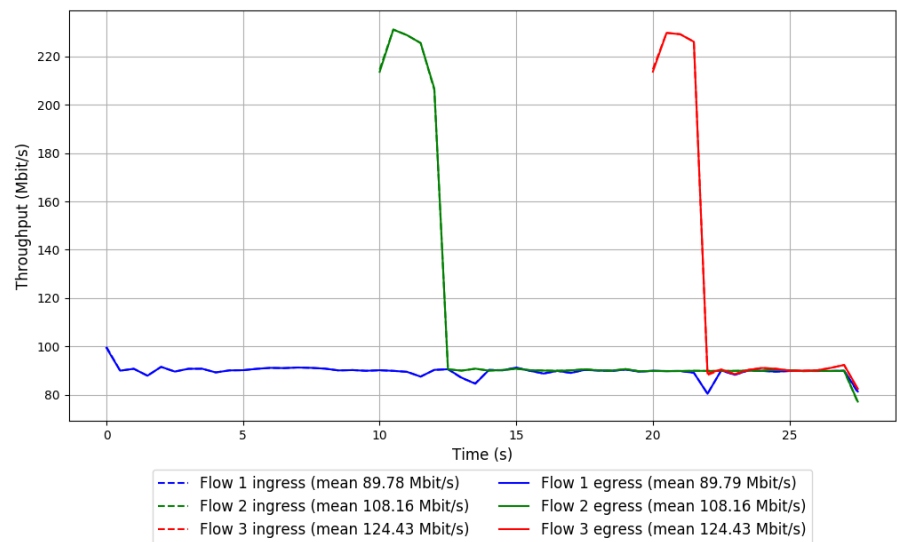
```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-11 23:12:42
End at: 2017-12-11 23:13:12
Local clock offset: 0.653 ms
Remote clock offset: 0.774 ms

# Below is generated by plot.py at 2017-12-12 05:11:25
# Datalink statistics
-- Total of 3 flows:
Average throughput: 194.55 Mbit/s
95th percentile per-packet one-way delay: 2.380 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 2.414 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 108.16 Mbit/s
95th percentile per-packet one-way delay: 2.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 124.43 Mbit/s
95th percentile per-packet one-way delay: 2.431 ms
Loss rate: 0.00%
```



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



Run 2: Statistics of TaoVA-100x

Start at: 2017-12-11 23:31:54

End at: 2017-12-11 23:32:24

Local clock offset: 0.558 ms

Remote clock offset: 0.564 ms

# Below is generated by plot.py at 2017-12-12 05:11:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 189.94 Mbit/s

95th percentile per-packet one-way delay: 2.395 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 90.05 Mbit/s

95th percentile per-packet one-way delay: 2.392 ms

Loss rate: 0.01%

-- Flow 2:

Average throughput: 108.51 Mbit/s

95th percentile per-packet one-way delay: 2.372 ms

Loss rate: 0.01%

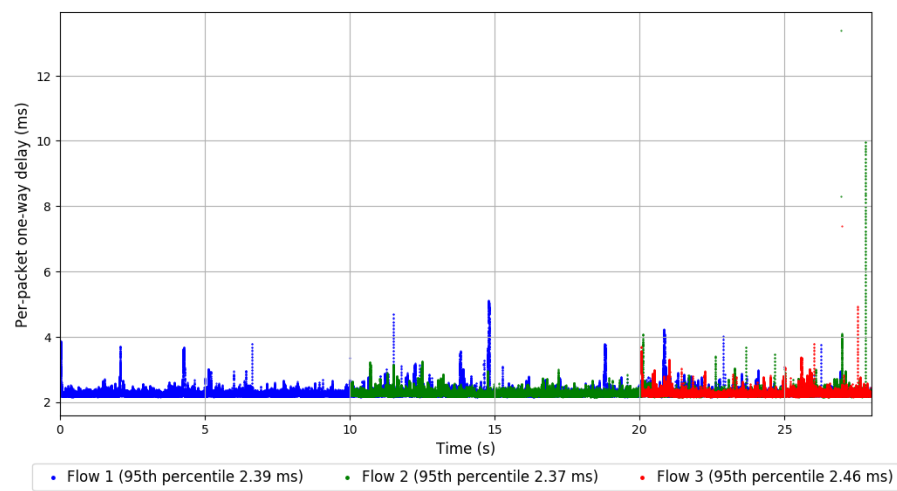
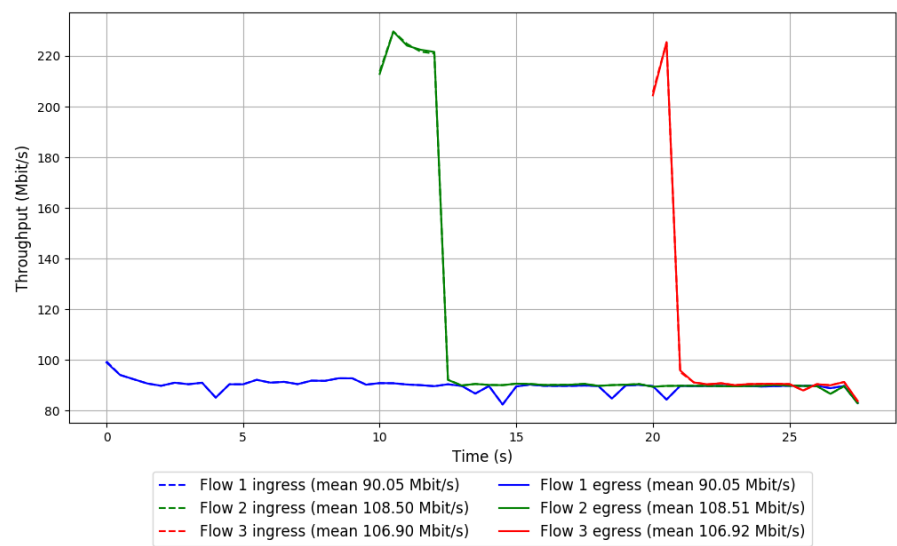
-- Flow 3:

Average throughput: 106.92 Mbit/s

95th percentile per-packet one-way delay: 2.464 ms

Loss rate: 0.02%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-12-11 23:51:22

End at: 2017-12-11 23:51:52

Local clock offset: 0.447 ms

Remote clock offset: 0.37 ms

# Below is generated by plot.py at 2017-12-12 05:11:30

# Datalink statistics

-- Total of 3 flows:

Average throughput: 184.99 Mbit/s

95th percentile per-packet one-way delay: 2.437 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 89.61 Mbit/s

95th percentile per-packet one-way delay: 2.420 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 89.08 Mbit/s

95th percentile per-packet one-way delay: 2.421 ms

Loss rate: 0.00%

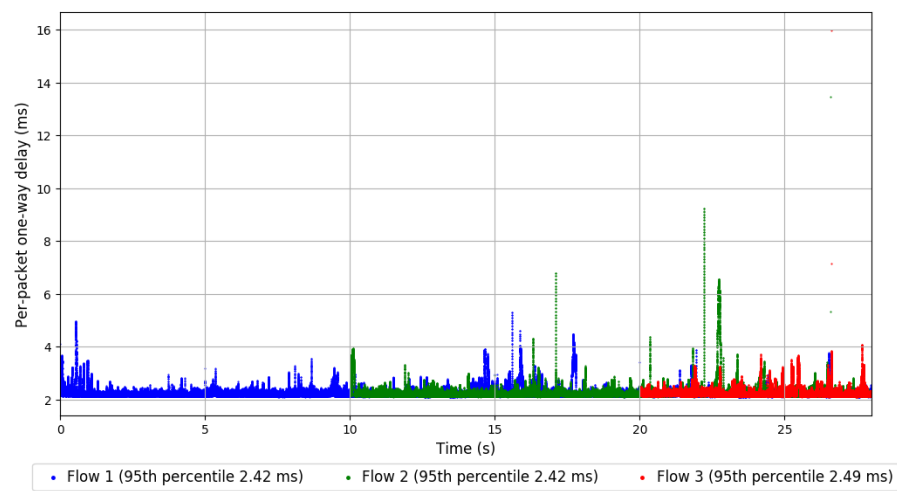
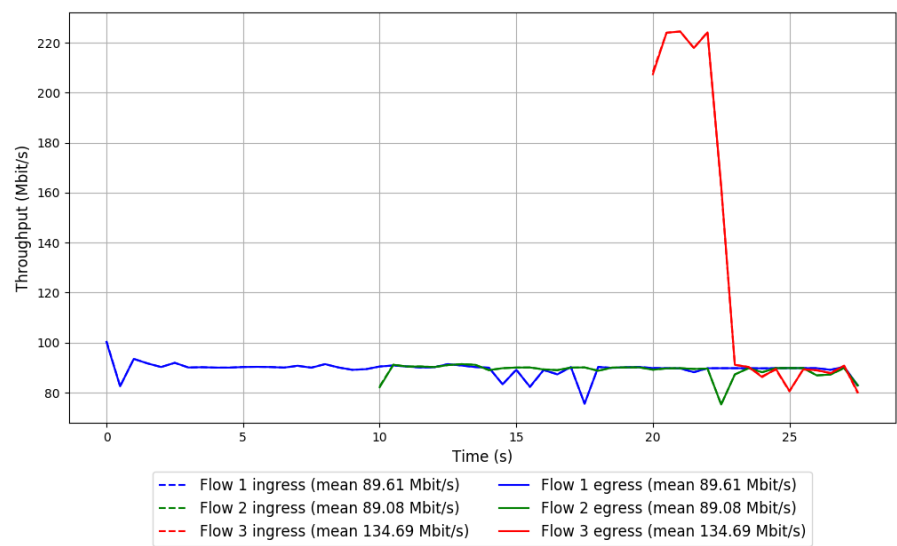
-- Flow 3:

Average throughput: 134.69 Mbit/s

95th percentile per-packet one-way delay: 2.491 ms

Loss rate: 0.00%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-12-12 00:10:50

End at: 2017-12-12 00:11:20

Local clock offset: 0.234 ms

Remote clock offset: 0.206 ms

# Below is generated by plot.py at 2017-12-12 05:11:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 192.72 Mbit/s

95th percentile per-packet one-way delay: 2.520 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 94.28 Mbit/s

95th percentile per-packet one-way delay: 2.506 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 98.51 Mbit/s

95th percentile per-packet one-way delay: 2.573 ms

Loss rate: 0.00%

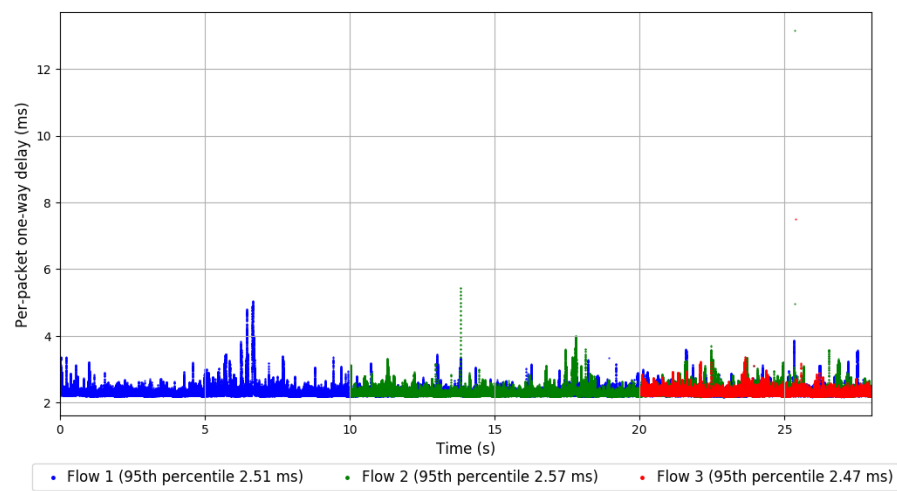
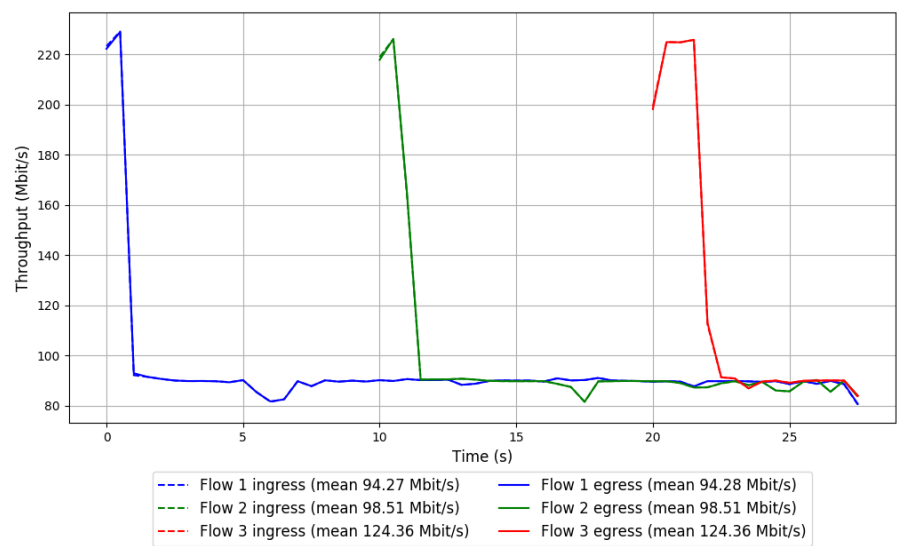
-- Flow 3:

Average throughput: 124.36 Mbit/s

95th percentile per-packet one-way delay: 2.467 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-12-12 00:30:26

End at: 2017-12-12 00:30:56

Local clock offset: 0.126 ms

Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2017-12-12 05:11:44

# Datalink statistics

-- Total of 3 flows:

Average throughput: 176.98 Mbit/s

95th percentile per-packet one-way delay: 2.422 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 89.22 Mbit/s

95th percentile per-packet one-way delay: 2.439 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 90.08 Mbit/s

95th percentile per-packet one-way delay: 2.450 ms

Loss rate: 0.00%

-- Flow 3:

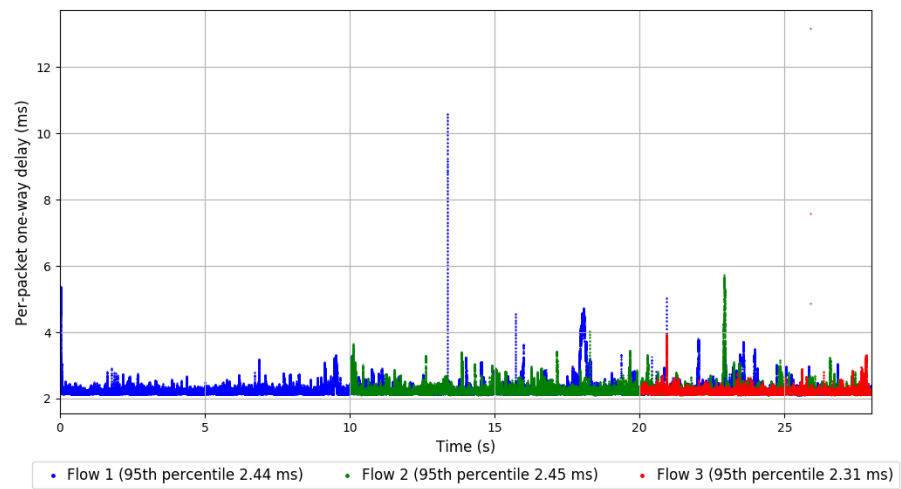
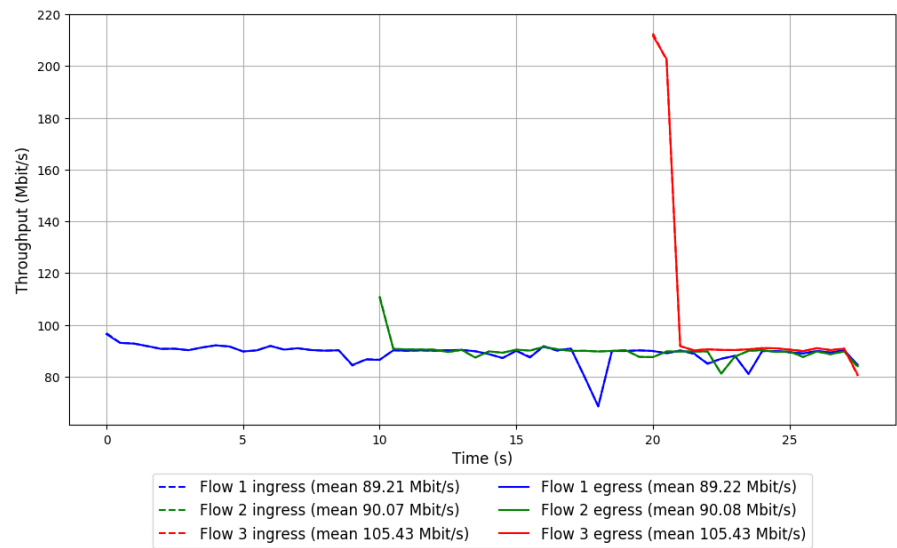
Average throughput: 105.43 Mbit/s

95th percentile per-packet one-way delay: 2.315 ms

Loss rate: 0.00%



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

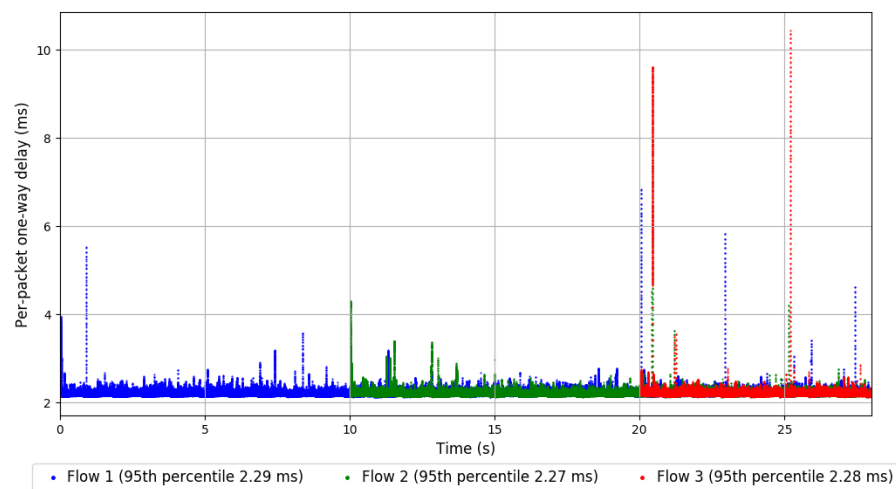
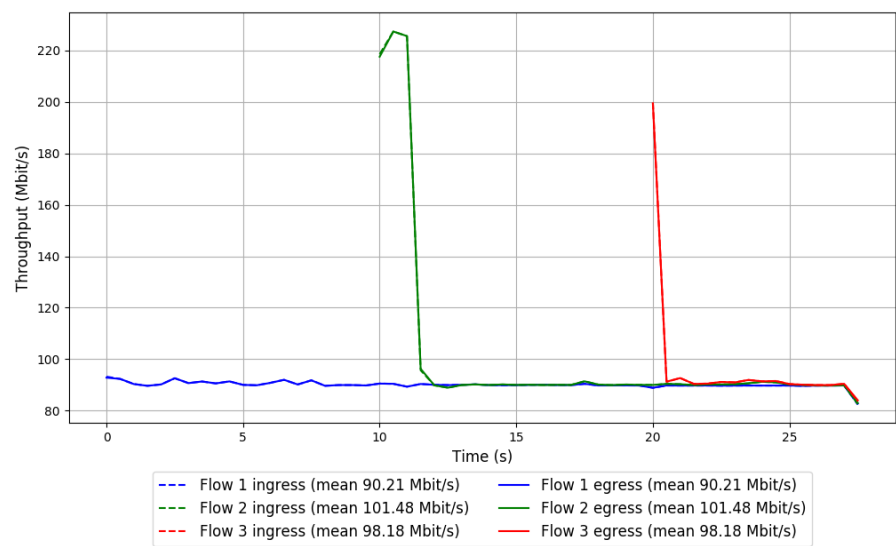


Run 6: Statistics of TaoVA-100x

Start at: 2017-12-12 00:49:53  
End at: 2017-12-12 00:50:23  
Local clock offset: 0.167 ms  
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2017-12-12 05:11:50  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 183.21 Mbit/s  
95th percentile per-packet one-way delay: 2.281 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 90.21 Mbit/s  
95th percentile per-packet one-way delay: 2.287 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 101.48 Mbit/s  
95th percentile per-packet one-way delay: 2.275 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 98.18 Mbit/s  
95th percentile per-packet one-way delay: 2.276 ms  
Loss rate: 0.00%

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

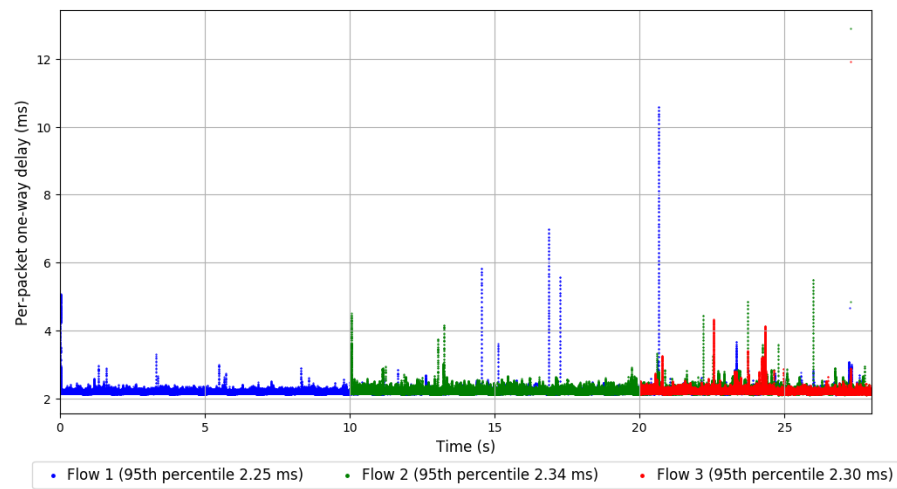
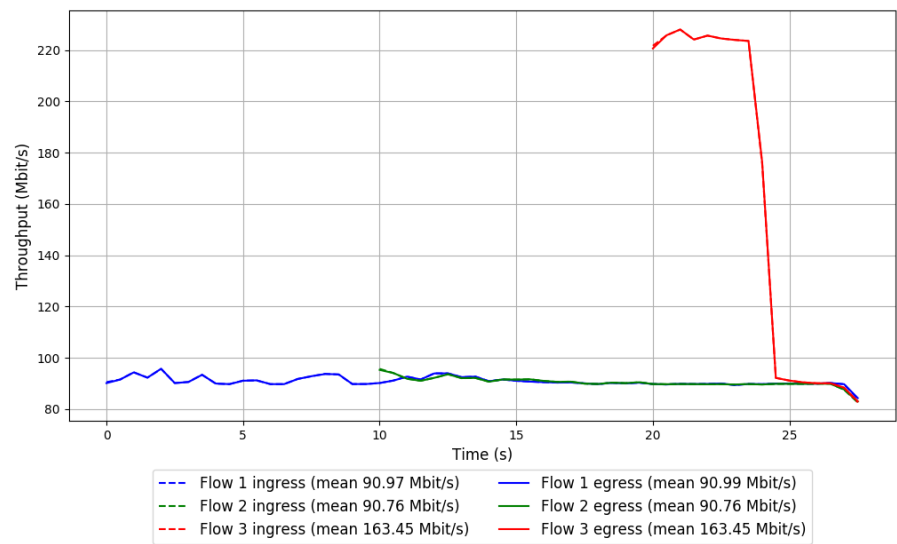


Run 7: Statistics of TaoVA-100x

Start at: 2017-12-12 01:09:15  
End at: 2017-12-12 01:09:45  
Local clock offset: 0.048 ms  
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2017-12-12 05:12:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 195.73 Mbit/s  
95th percentile per-packet one-way delay: 2.289 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 90.99 Mbit/s  
95th percentile per-packet one-way delay: 2.250 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 90.76 Mbit/s  
95th percentile per-packet one-way delay: 2.341 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 163.45 Mbit/s  
95th percentile per-packet one-way delay: 2.299 ms  
Loss rate: 0.00%

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

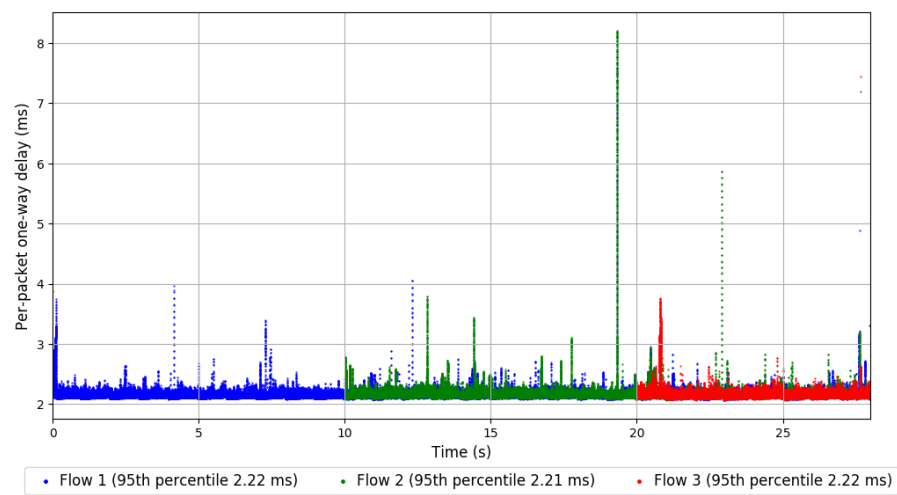
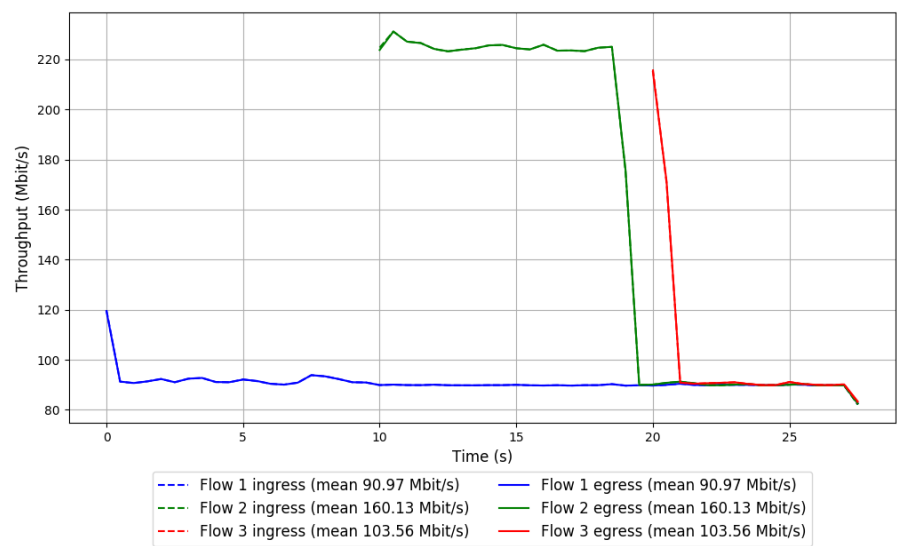


Run 8: Statistics of TaoVA-100x

Start at: 2017-12-12 01:28:36  
End at: 2017-12-12 01:29:06  
Local clock offset: -0.21 ms  
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2017-12-12 05:13:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 223.19 Mbit/s  
95th percentile per-packet one-way delay: 2.213 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 90.97 Mbit/s  
95th percentile per-packet one-way delay: 2.217 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 160.13 Mbit/s  
95th percentile per-packet one-way delay: 2.207 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 103.56 Mbit/s  
95th percentile per-packet one-way delay: 2.219 ms  
Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-12-12 01:48:11

End at: 2017-12-12 01:48:41

Local clock offset: -0.434 ms

Remote clock offset: -0.23 ms

# Below is generated by plot.py at 2017-12-12 05:16:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 230.92 Mbit/s

95th percentile per-packet one-way delay: 2.305 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 90.64 Mbit/s

95th percentile per-packet one-way delay: 2.308 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 153.75 Mbit/s

95th percentile per-packet one-way delay: 2.298 ms

Loss rate: 0.00%

-- Flow 3:

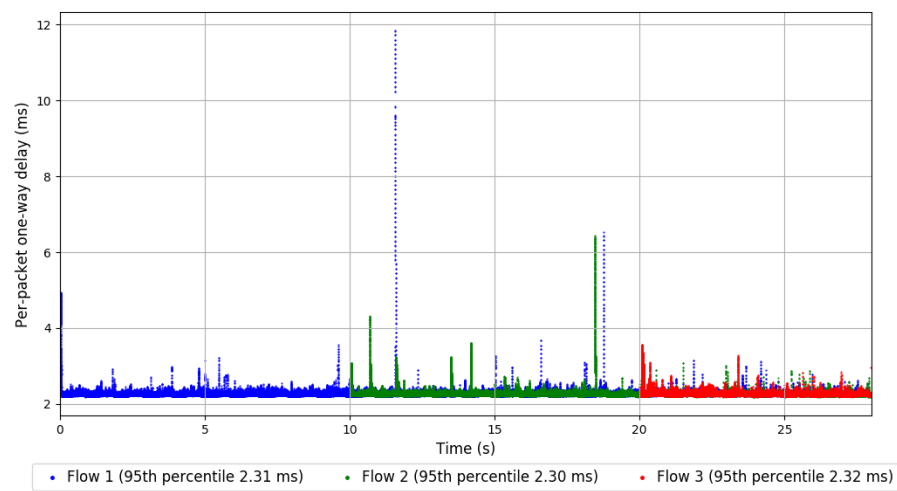
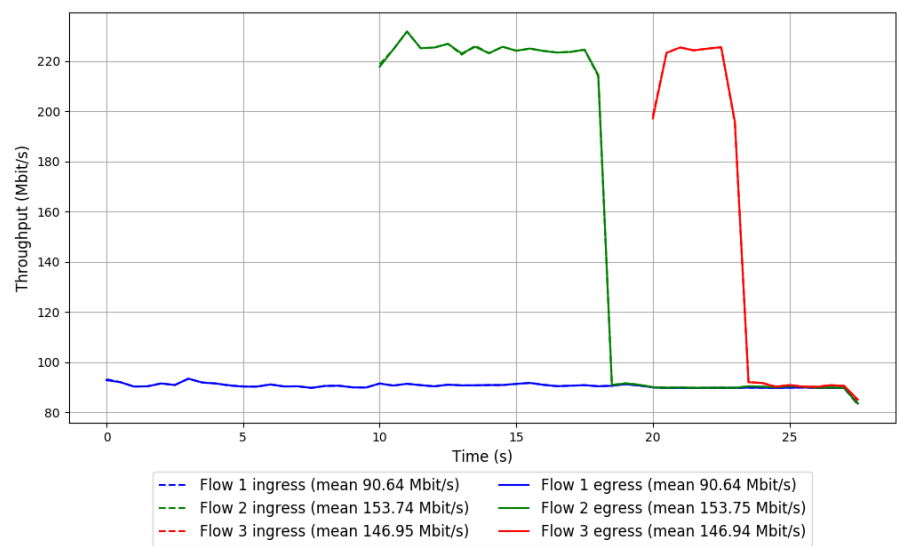
Average throughput: 146.94 Mbit/s

95th percentile per-packet one-way delay: 2.317 ms

Loss rate: 0.00%



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

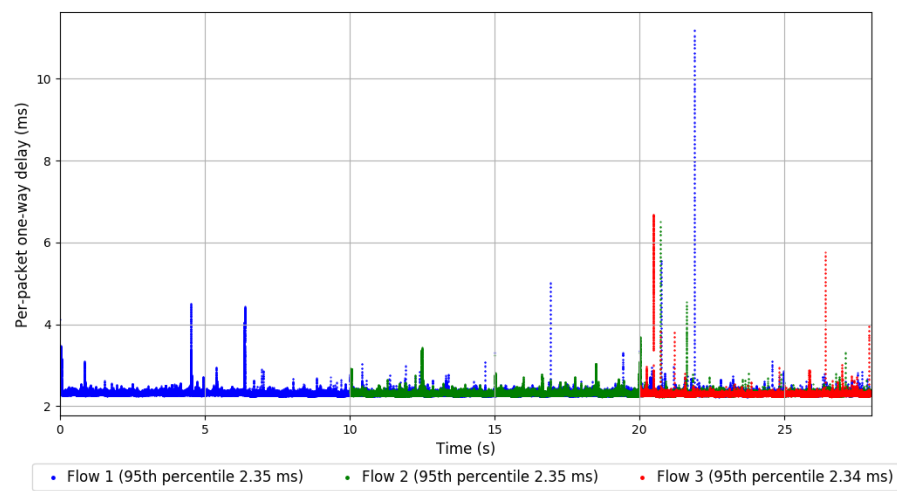
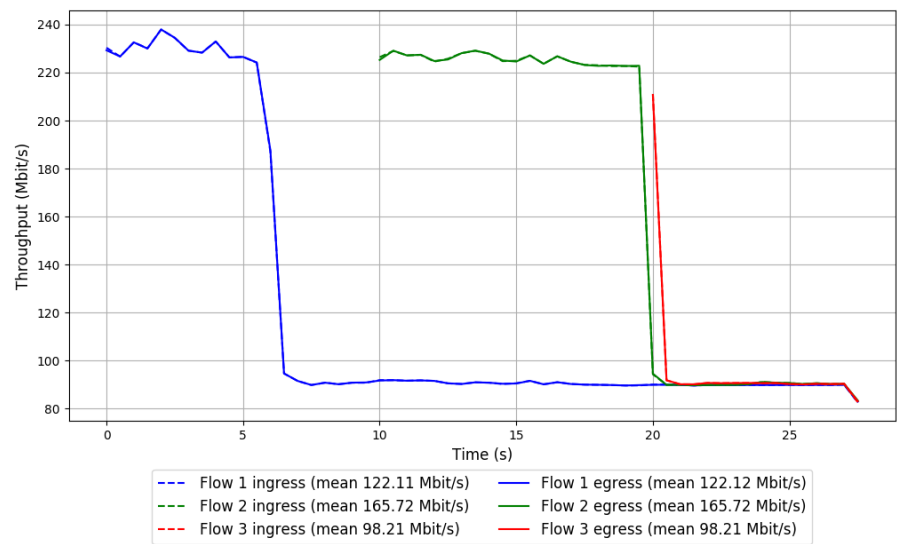


Run 10: Statistics of TaoVA-100x

Start at: 2017-12-12 02:07:39  
End at: 2017-12-12 02:08:09  
Local clock offset: -0.663 ms  
Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2017-12-12 05:16:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 256.46 Mbit/s  
95th percentile per-packet one-way delay: 2.349 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 122.12 Mbit/s  
95th percentile per-packet one-way delay: 2.353 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 165.72 Mbit/s  
95th percentile per-packet one-way delay: 2.346 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 98.21 Mbit/s  
95th percentile per-packet one-way delay: 2.340 ms  
Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: 2017-12-11 23:15:53

End at: 2017-12-11 23:16:23

Local clock offset: 0.622 ms

Remote clock offset: 0.739 ms

# Below is generated by plot.py at 2017-12-12 05:16:47

# Datalink statistics

-- Total of 3 flows:

Average throughput: 356.39 Mbit/s

95th percentile per-packet one-way delay: 4.314 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 5.99 Mbit/s

95th percentile per-packet one-way delay: 17.824 ms

Loss rate: 0.03%

-- Flow 2:

Average throughput: 339.28 Mbit/s

95th percentile per-packet one-way delay: 3.098 ms

Loss rate: 0.01%

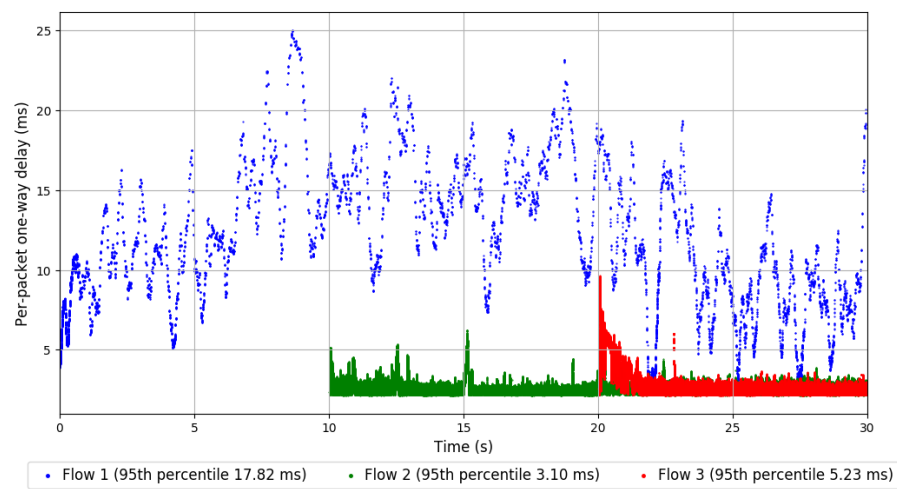
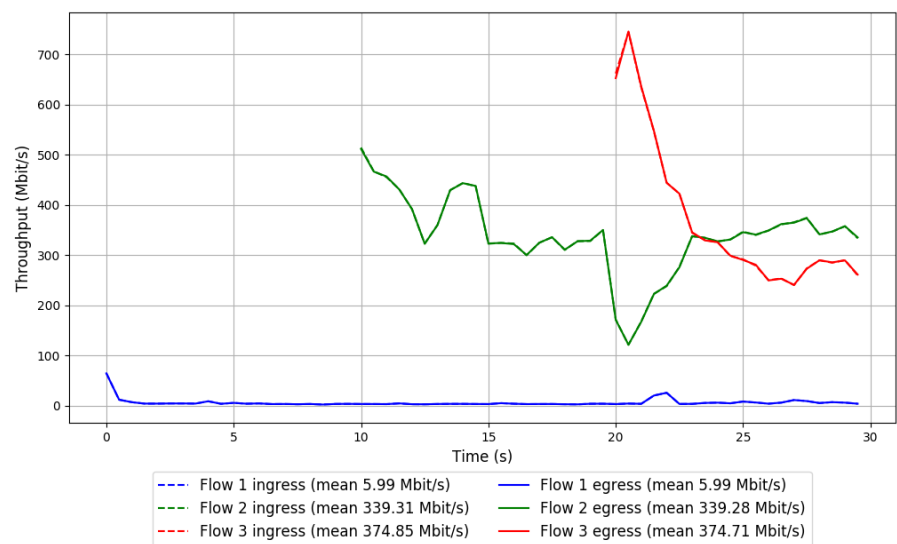
-- Flow 3:

Average throughput: 374.71 Mbit/s

95th percentile per-packet one-way delay: 5.231 ms

Loss rate: 0.04%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-12-11 23:35:02

End at: 2017-12-11 23:35:32

Local clock offset: 0.551 ms

Remote clock offset: 0.555 ms

# Below is generated by plot.py at 2017-12-12 05:19:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 578.87 Mbit/s

95th percentile per-packet one-way delay: 3.463 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 344.69 Mbit/s

95th percentile per-packet one-way delay: 3.345 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 217.03 Mbit/s

95th percentile per-packet one-way delay: 2.961 ms

Loss rate: 0.00%

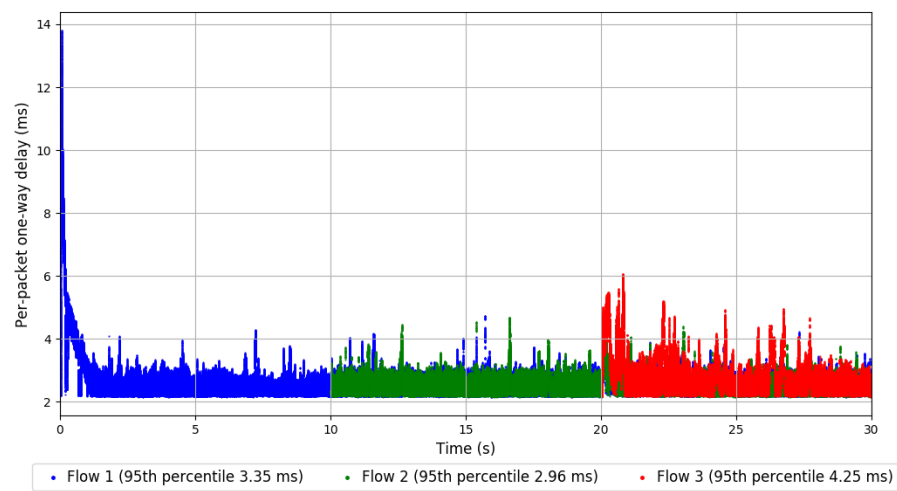
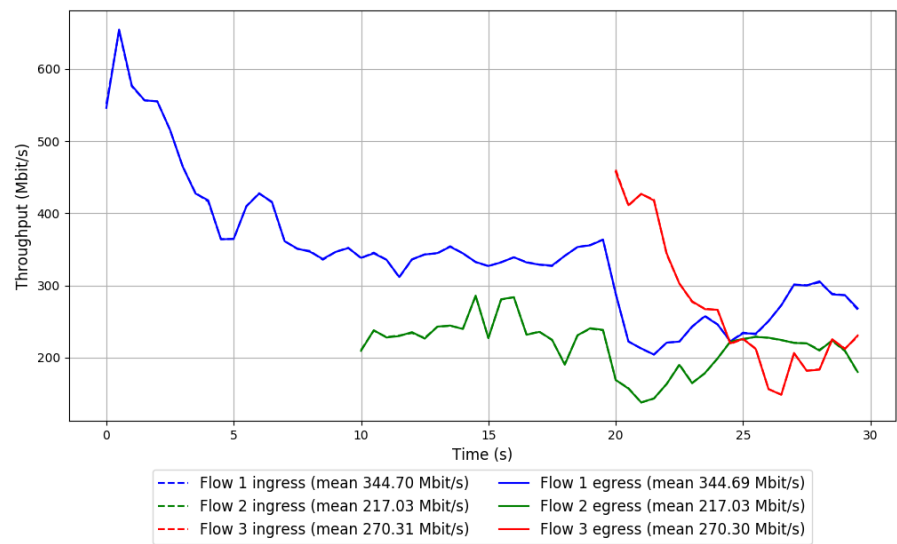
-- Flow 3:

Average throughput: 270.30 Mbit/s

95th percentile per-packet one-way delay: 4.253 ms

Loss rate: 0.00%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-12-11 23:54:30

End at: 2017-12-11 23:55:00

Local clock offset: 0.442 ms

Remote clock offset: 0.346 ms

# Below is generated by plot.py at 2017-12-12 05:19:20

# Datalink statistics

-- Total of 3 flows:

Average throughput: 580.14 Mbit/s

95th percentile per-packet one-way delay: 7.536 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 338.36 Mbit/s

95th percentile per-packet one-way delay: 8.069 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 188.51 Mbit/s

95th percentile per-packet one-way delay: 3.146 ms

Loss rate: 0.00%

-- Flow 3:

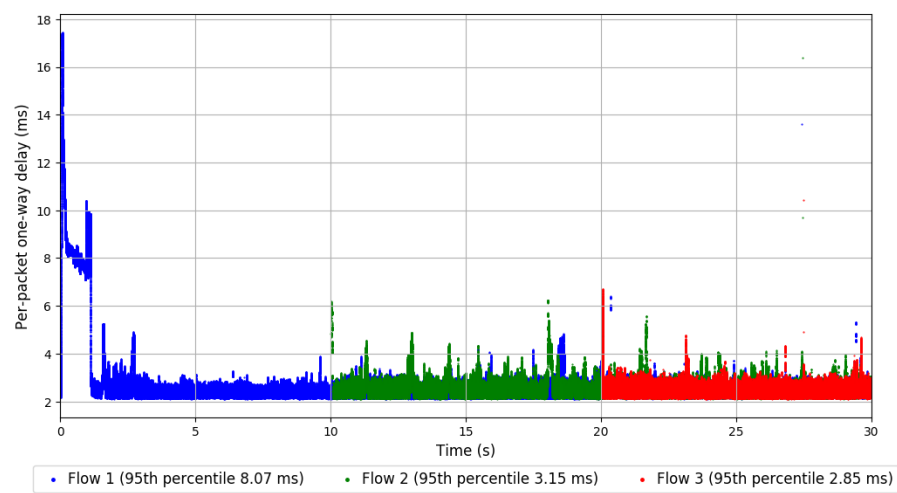
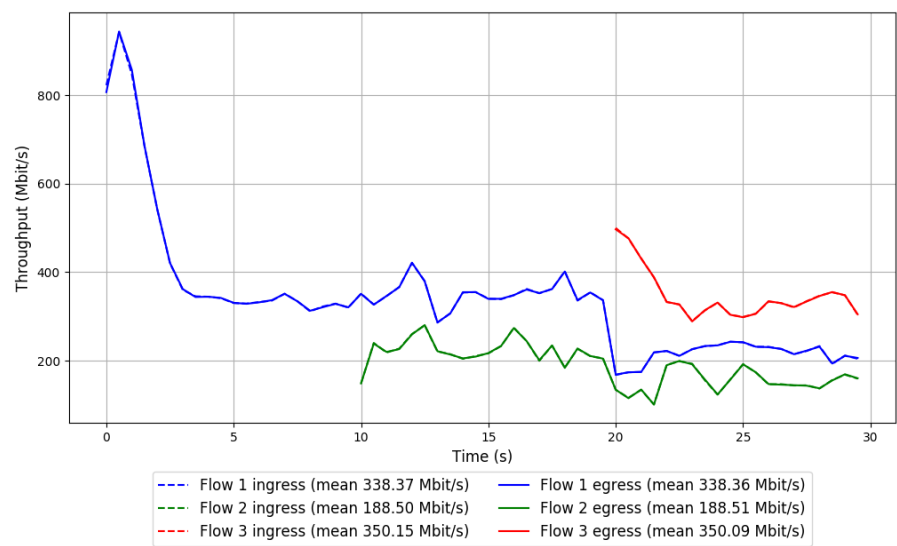
Average throughput: 350.09 Mbit/s

95th percentile per-packet one-way delay: 2.847 ms

Loss rate: 0.01%



Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-12-12 00:13:55

End at: 2017-12-12 00:14:25

Local clock offset: 0.189 ms

Remote clock offset: 0.176 ms

# Below is generated by plot.py at 2017-12-12 05:21:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 728.14 Mbit/s

95th percentile per-packet one-way delay: 22.714 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 479.80 Mbit/s

95th percentile per-packet one-way delay: 23.977 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 270.61 Mbit/s

95th percentile per-packet one-way delay: 3.009 ms

Loss rate: 0.00%

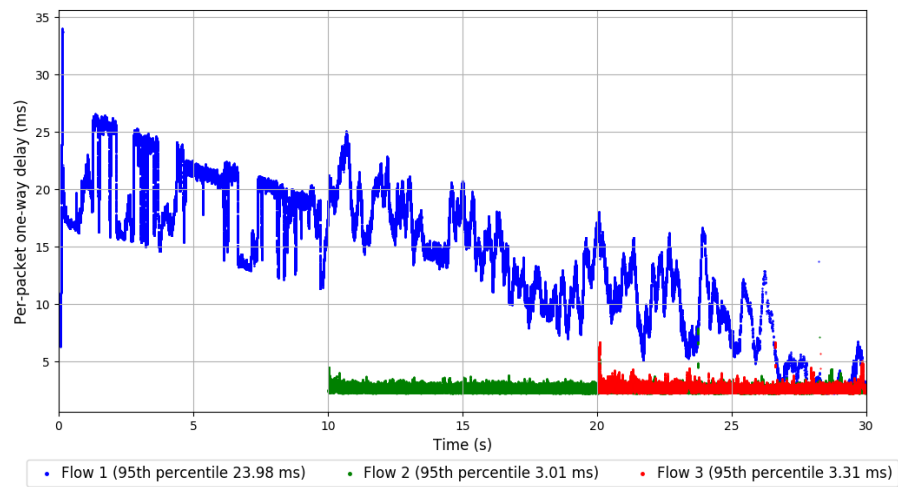
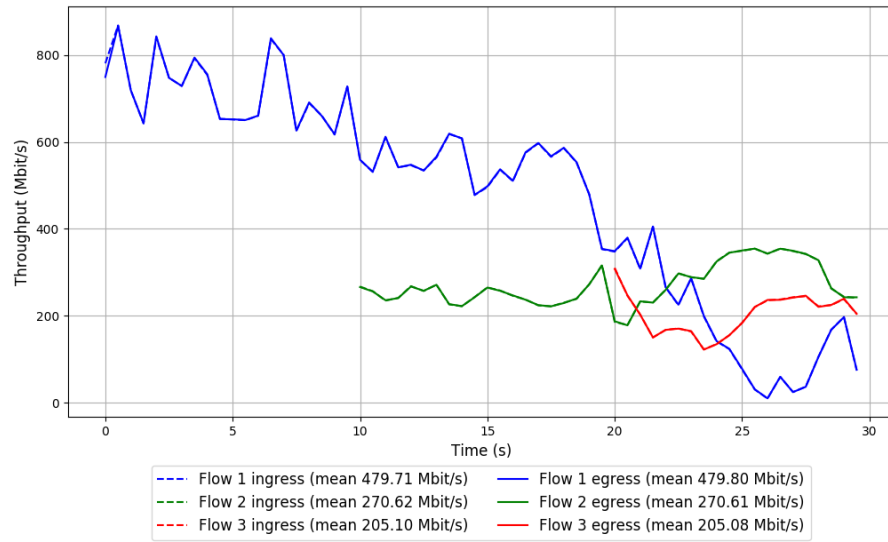
-- Flow 3:

Average throughput: 205.08 Mbit/s

95th percentile per-packet one-way delay: 3.312 ms

Loss rate: 0.01%

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



Run 5: Statistics of TCP Vegas

Start at: 2017-12-12 00:33:34

End at: 2017-12-12 00:34:04

Local clock offset: 0.156 ms

Remote clock offset: -0.01 ms

# Below is generated by plot.py at 2017-12-12 05:21:27

# Datalink statistics

-- Total of 3 flows:

Average throughput: 634.56 Mbit/s

95th percentile per-packet one-way delay: 2.981 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 364.58 Mbit/s

95th percentile per-packet one-way delay: 3.005 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 328.37 Mbit/s

95th percentile per-packet one-way delay: 2.848 ms

Loss rate: 0.00%

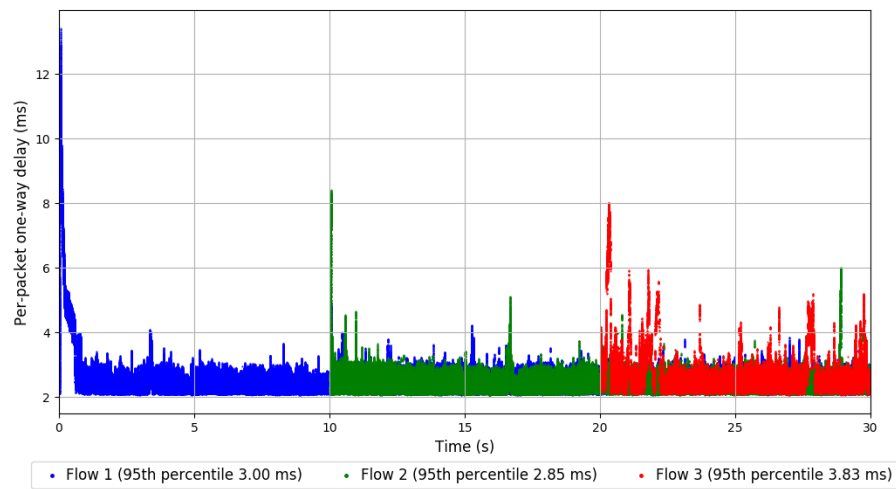
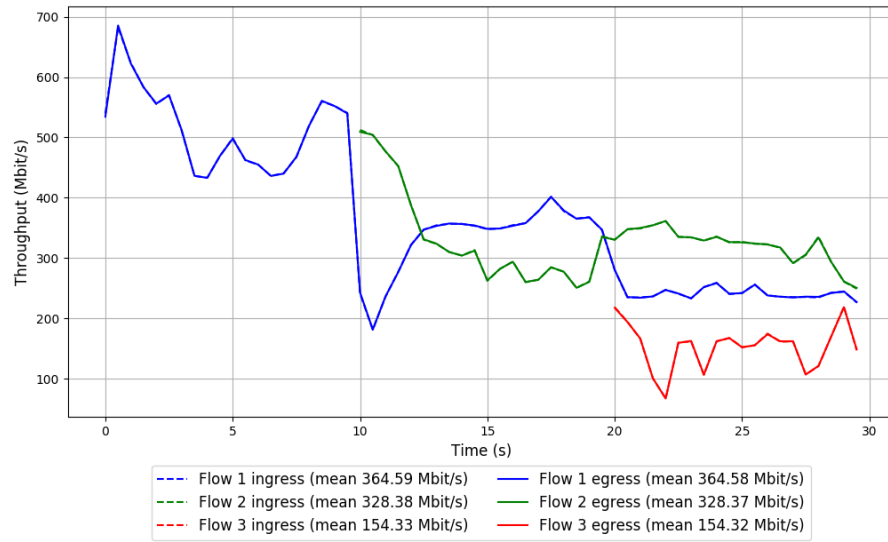
-- Flow 3:

Average throughput: 154.32 Mbit/s

95th percentile per-packet one-way delay: 3.833 ms

Loss rate: 0.00%

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

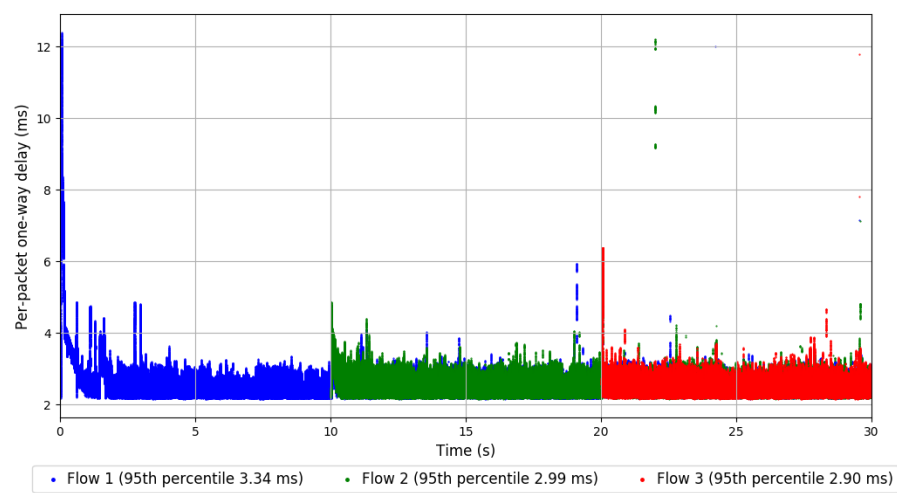
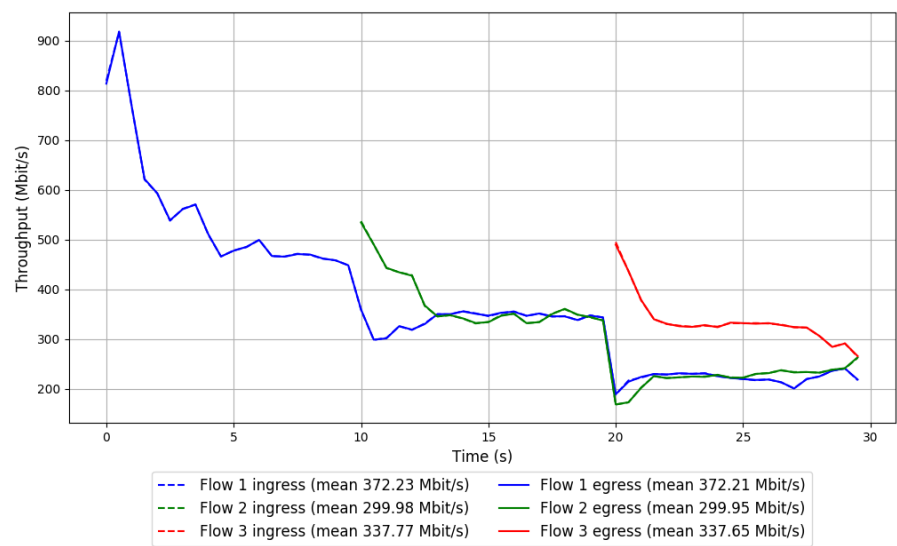


Run 6: Statistics of TCP Vegas

Start at: 2017-12-12 00:53:00  
End at: 2017-12-12 00:53:30  
Local clock offset: 0.1 ms  
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2017-12-12 05:22:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 684.22 Mbit/s  
95th percentile per-packet one-way delay: 3.083 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 372.21 Mbit/s  
95th percentile per-packet one-way delay: 3.340 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 299.95 Mbit/s  
95th percentile per-packet one-way delay: 2.991 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 337.65 Mbit/s  
95th percentile per-packet one-way delay: 2.903 ms  
Loss rate: 0.04%

Run 6: Report of TCP Vegas — Data Link



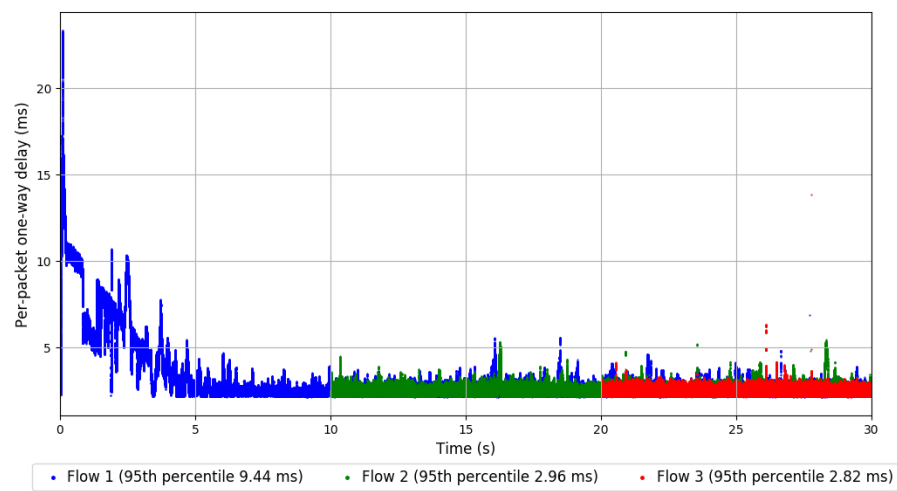
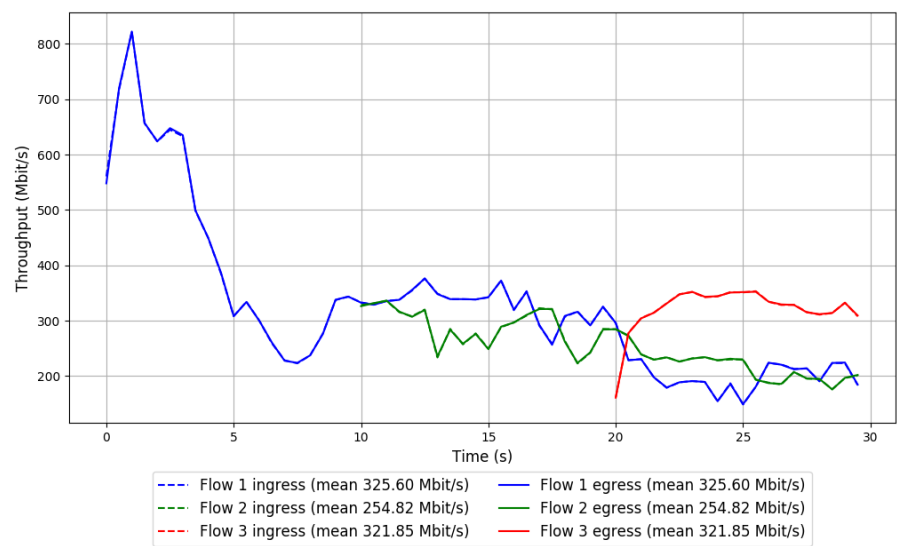
Run 7: Statistics of TCP Vegas

Start at: 2017-12-12 01:12:23  
End at: 2017-12-12 01:12:53  
Local clock offset: -0.01 ms  
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2017-12-12 05:24:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 602.19 Mbit/s  
95th percentile per-packet one-way delay: 7.096 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 325.60 Mbit/s  
95th percentile per-packet one-way delay: 9.437 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 254.82 Mbit/s  
95th percentile per-packet one-way delay: 2.957 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 321.85 Mbit/s  
95th percentile per-packet one-way delay: 2.822 ms  
Loss rate: 0.00%



Run 7: Report of TCP Vegas — Data Link

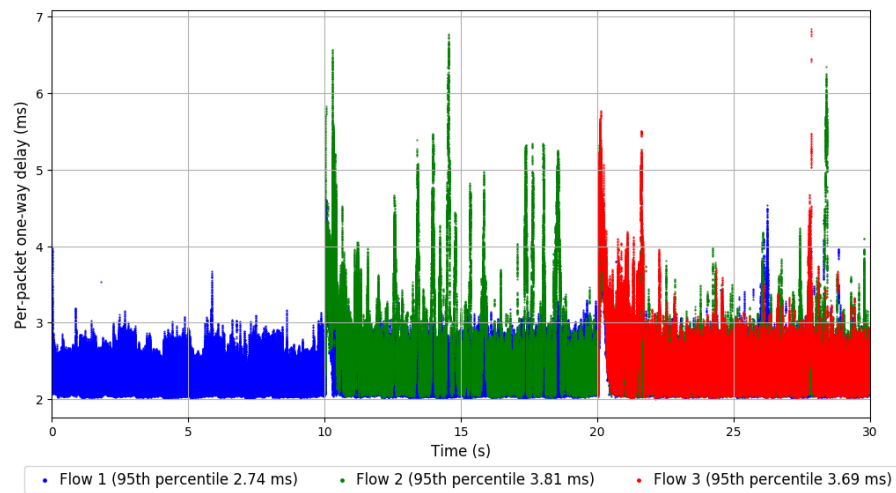
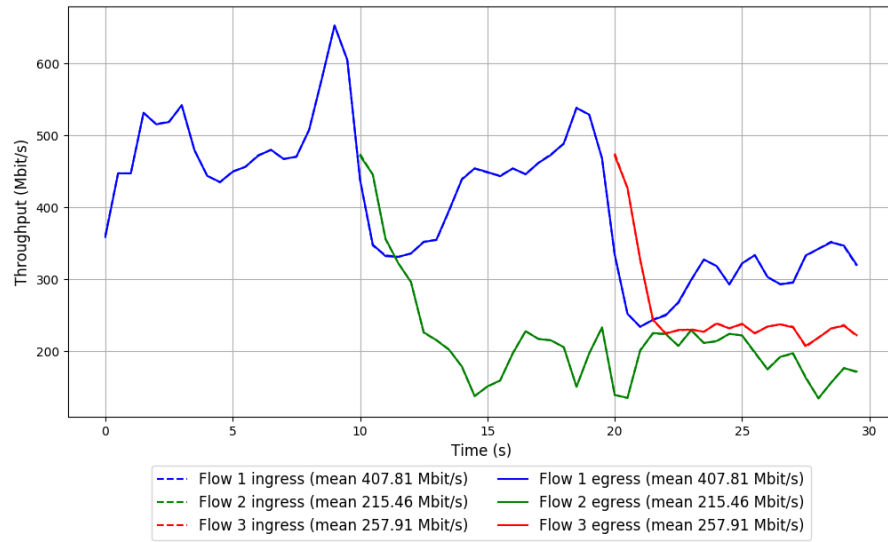


Run 8: Statistics of TCP Vegas

Start at: 2017-12-12 01:31:46  
End at: 2017-12-12 01:32:16  
Local clock offset: -0.253 ms  
Remote clock offset: -0.267 ms

# Below is generated by plot.py at 2017-12-12 05:25:17  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 636.99 Mbit/s  
95th percentile per-packet one-way delay: 3.165 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 407.81 Mbit/s  
95th percentile per-packet one-way delay: 2.739 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 215.46 Mbit/s  
95th percentile per-packet one-way delay: 3.808 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 257.91 Mbit/s  
95th percentile per-packet one-way delay: 3.689 ms  
Loss rate: 0.00%

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

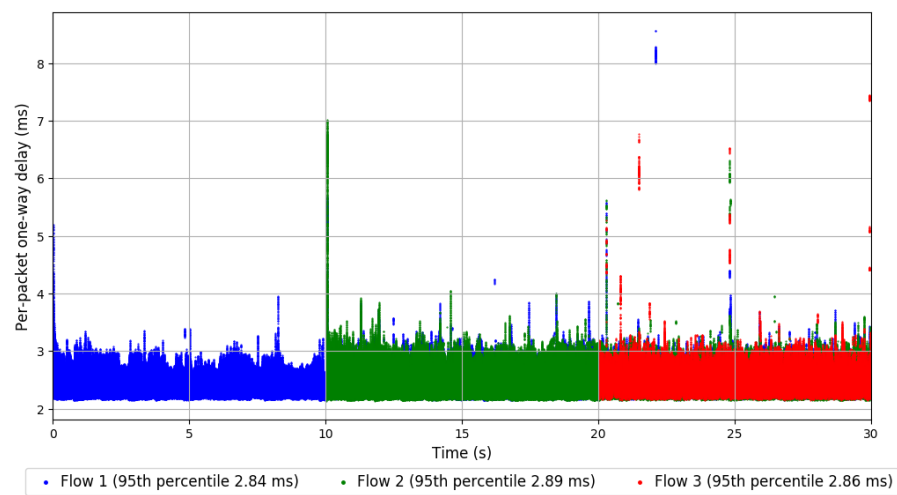
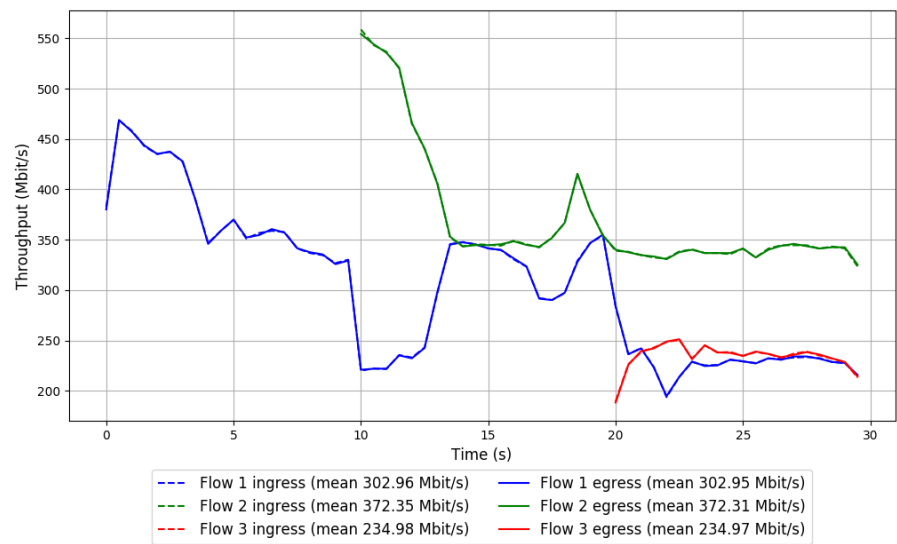


Run 9: Statistics of TCP Vegas

Start at: 2017-12-12 01:51:22  
End at: 2017-12-12 01:51:52  
Local clock offset: -0.462 ms  
Remote clock offset: -0.296 ms

# Below is generated by plot.py at 2017-12-12 05:25:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 628.95 Mbit/s  
95th percentile per-packet one-way delay: 2.864 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 302.95 Mbit/s  
95th percentile per-packet one-way delay: 2.839 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 372.31 Mbit/s  
95th percentile per-packet one-way delay: 2.890 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 234.97 Mbit/s  
95th percentile per-packet one-way delay: 2.864 ms  
Loss rate: 0.00%

Run 9: Report of TCP Vegas — Data Link

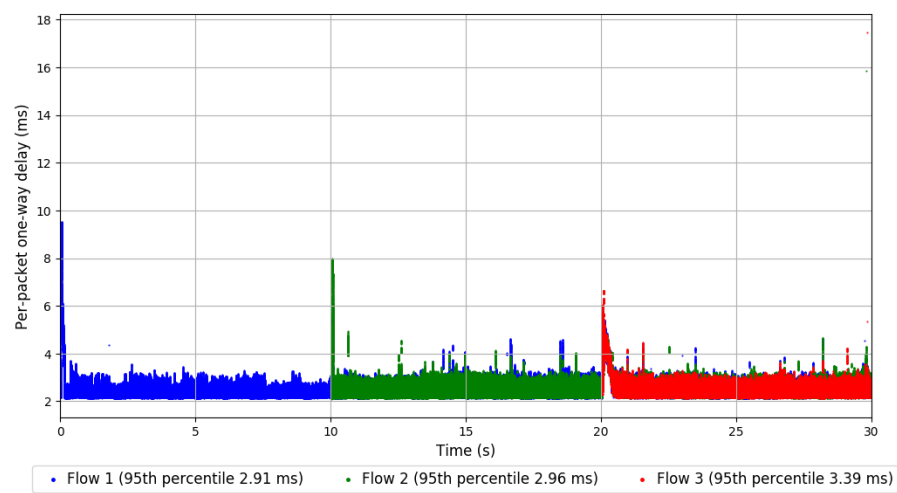
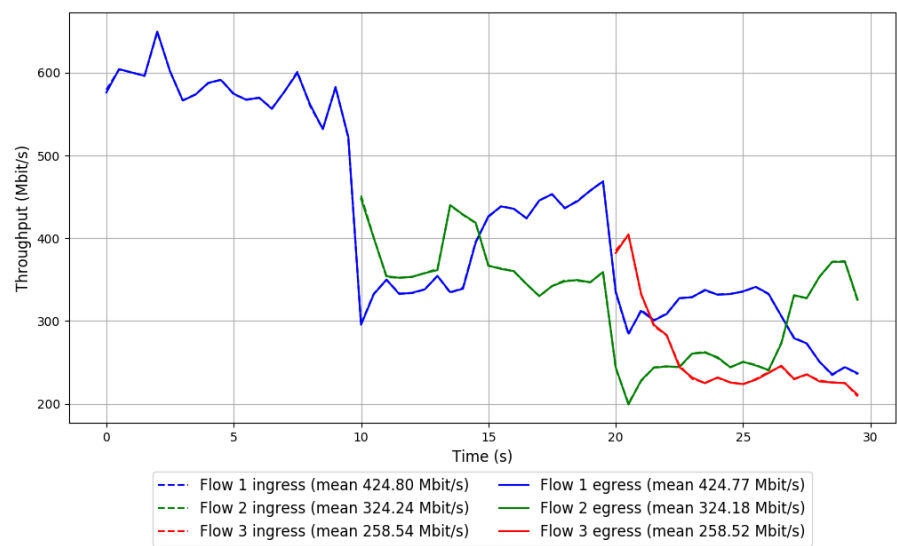


Run 10: Statistics of TCP Vegas

Start at: 2017-12-12 02:10:52  
End at: 2017-12-12 02:11:22  
Local clock offset: -0.611 ms  
Remote clock offset: -0.275 ms

# Below is generated by plot.py at 2017-12-12 05:29:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 726.48 Mbit/s  
95th percentile per-packet one-way delay: 2.942 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 424.77 Mbit/s  
95th percentile per-packet one-way delay: 2.906 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 324.18 Mbit/s  
95th percentile per-packet one-way delay: 2.960 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 258.52 Mbit/s  
95th percentile per-packet one-way delay: 3.391 ms  
Loss rate: 0.00%

Run 10: Report of TCP Vegas — Data Link



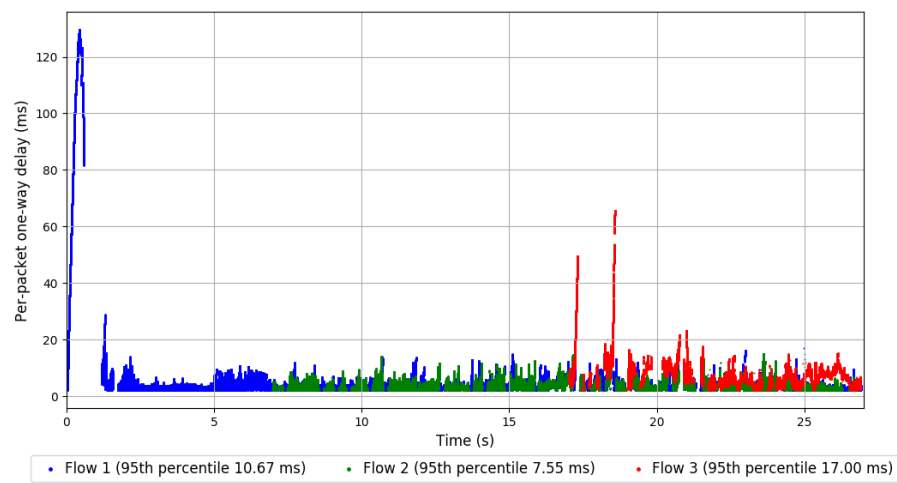
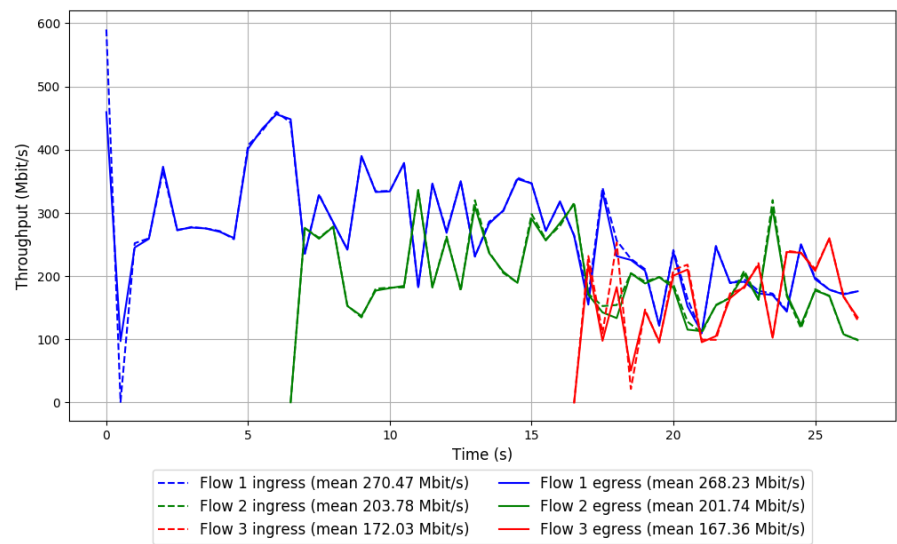
```
Run 1: Statistics of Verus

Start at: 2017-12-11 23:20:14
End at: 2017-12-11 23:20:44
Local clock offset: 0.581 ms
Remote clock offset: 0.689 ms

# Below is generated by plot.py at 2017-12-12 05:29:13
# Datalink statistics
-- Total of 3 flows:
Average throughput: 478.11 Mbit/s
95th percentile per-packet one-way delay: 11.266 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 268.23 Mbit/s
95th percentile per-packet one-way delay: 10.671 ms
Loss rate: 0.82%
-- Flow 2:
Average throughput: 201.74 Mbit/s
95th percentile per-packet one-way delay: 7.546 ms
Loss rate: 1.00%
-- Flow 3:
Average throughput: 167.36 Mbit/s
95th percentile per-packet one-way delay: 16.997 ms
Loss rate: 2.73%
```



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-12-11 23:39:39

End at: 2017-12-11 23:40:09

Local clock offset: 0.522 ms

Remote clock offset: 0.411 ms

# Below is generated by plot.py at 2017-12-12 05:29:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 425.29 Mbit/s

95th percentile per-packet one-way delay: 11.266 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 258.43 Mbit/s

95th percentile per-packet one-way delay: 11.698 ms

Loss rate: 1.43%

-- Flow 2:

Average throughput: 171.06 Mbit/s

95th percentile per-packet one-way delay: 8.635 ms

Loss rate: 0.75%

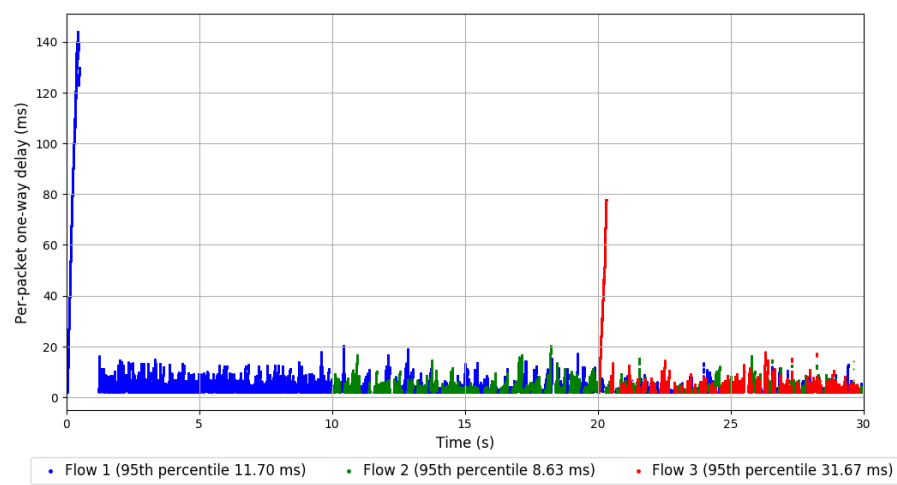
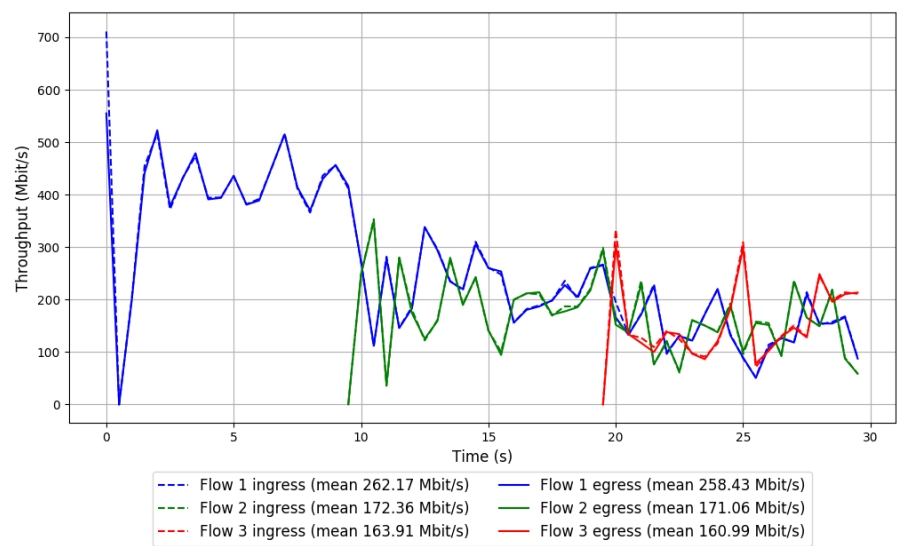
-- Flow 3:

Average throughput: 160.99 Mbit/s

95th percentile per-packet one-way delay: 31.673 ms

Loss rate: 1.78%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-12-11 23:59:01

End at: 2017-12-11 23:59:31

Local clock offset: 0.36 ms

Remote clock offset: 0.228 ms

# Below is generated by plot.py at 2017-12-12 05:29:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 474.73 Mbit/s

95th percentile per-packet one-way delay: 11.116 ms

Loss rate: 1.29%

-- Flow 1:

Average throughput: 281.80 Mbit/s

95th percentile per-packet one-way delay: 11.665 ms

Loss rate: 0.94%

-- Flow 2:

Average throughput: 200.60 Mbit/s

95th percentile per-packet one-way delay: 8.364 ms

Loss rate: 1.87%

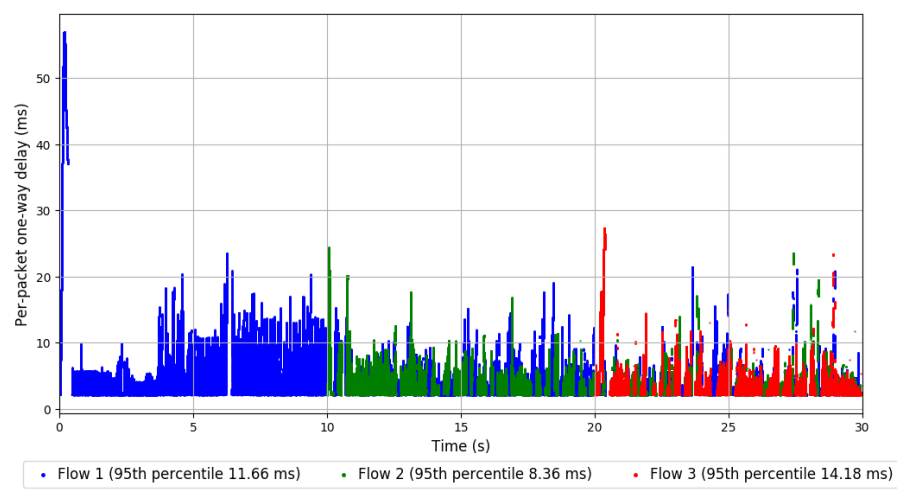
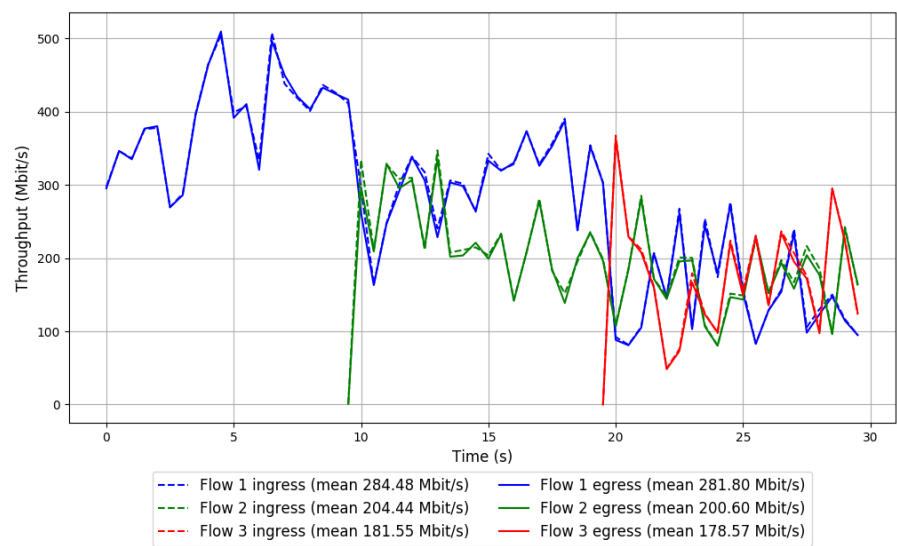
-- Flow 3:

Average throughput: 178.57 Mbit/s

95th percentile per-packet one-way delay: 14.180 ms

Loss rate: 1.61%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-12-12 00:18:36

End at: 2017-12-12 00:19:06

Local clock offset: 0.161 ms

Remote clock offset: 0.156 ms

# Below is generated by plot.py at 2017-12-12 05:30:33

# Datalink statistics

-- Total of 3 flows:

Average throughput: 567.29 Mbit/s

95th percentile per-packet one-way delay: 132.143 ms

Loss rate: 8.39%

-- Flow 1:

Average throughput: 304.55 Mbit/s

95th percentile per-packet one-way delay: 11.833 ms

Loss rate: 1.81%

-- Flow 2:

Average throughput: 185.31 Mbit/s

95th percentile per-packet one-way delay: 8.592 ms

Loss rate: 4.56%

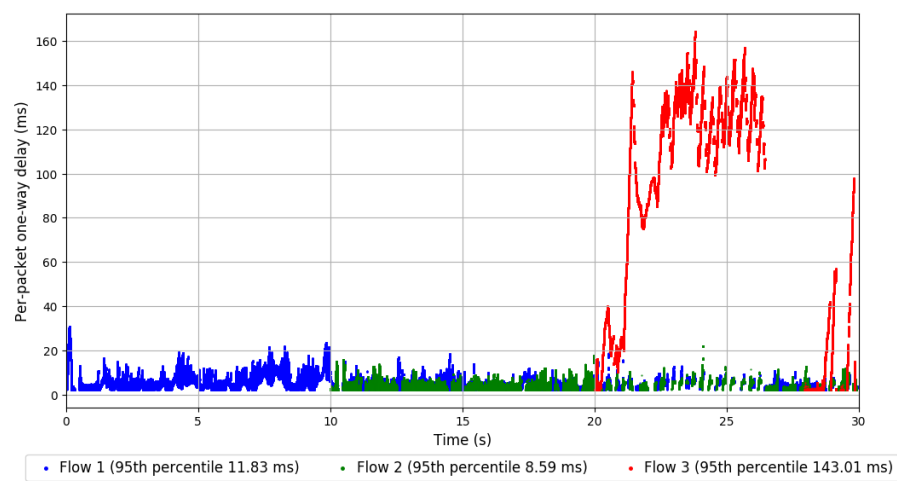
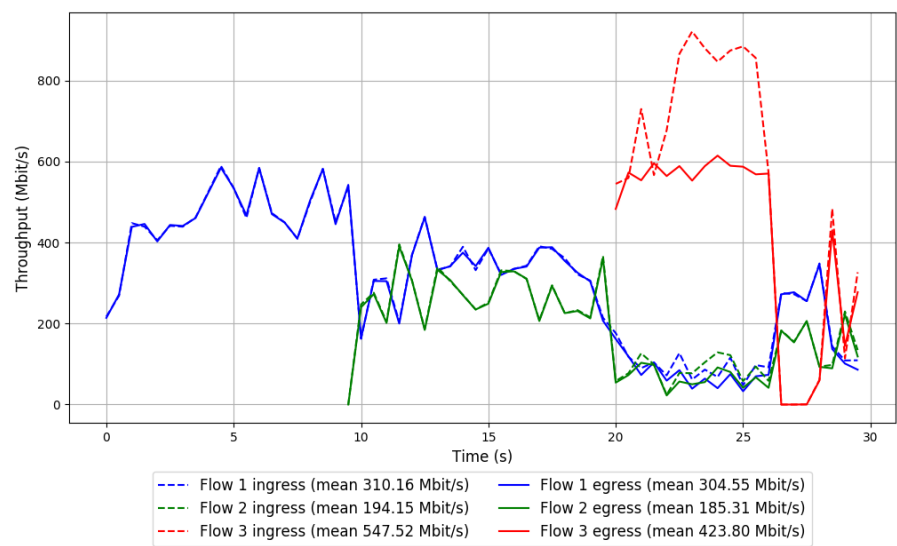
-- Flow 3:

Average throughput: 423.80 Mbit/s

95th percentile per-packet one-way delay: 143.011 ms

Loss rate: 22.50%

Run 4: Report of Verus — Data Link



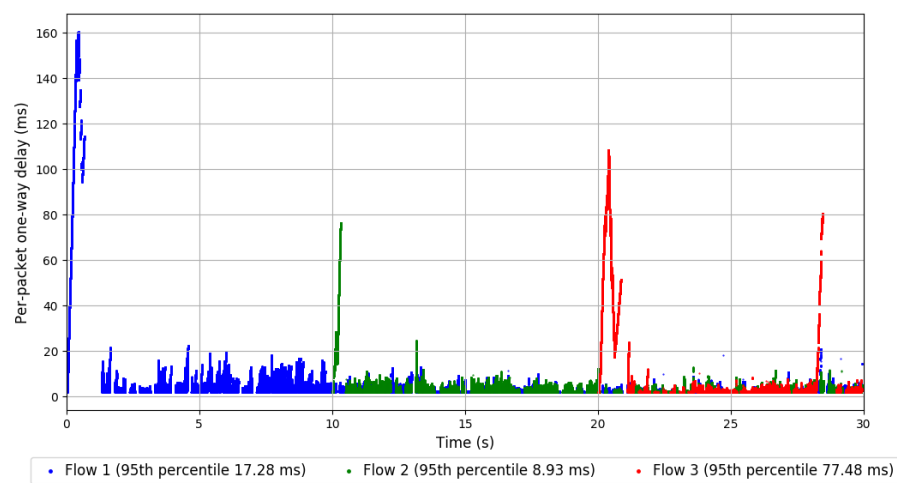
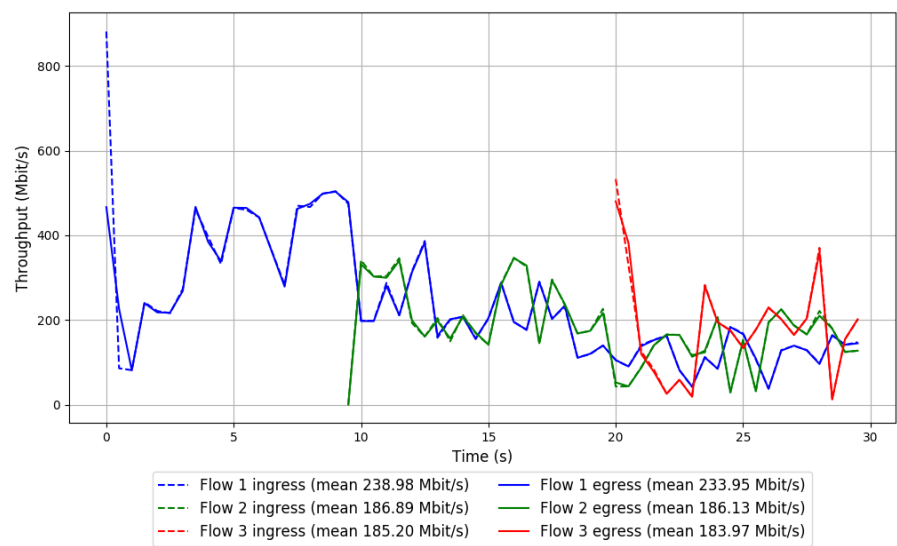
Run 5: Statistics of Verus

Start at: 2017-12-12 00:38:10  
End at: 2017-12-12 00:38:40  
Local clock offset: 0.147 ms  
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2017-12-12 05:30:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 418.93 Mbit/s  
95th percentile per-packet one-way delay: 44.785 ms  
Loss rate: 1.39%  
-- Flow 1:  
Average throughput: 233.95 Mbit/s  
95th percentile per-packet one-way delay: 17.277 ms  
Loss rate: 2.10%  
-- Flow 2:  
Average throughput: 186.13 Mbit/s  
95th percentile per-packet one-way delay: 8.928 ms  
Loss rate: 0.39%  
-- Flow 3:  
Average throughput: 183.97 Mbit/s  
95th percentile per-packet one-way delay: 77.477 ms  
Loss rate: 0.65%



Run 5: Report of Verus — Data Link

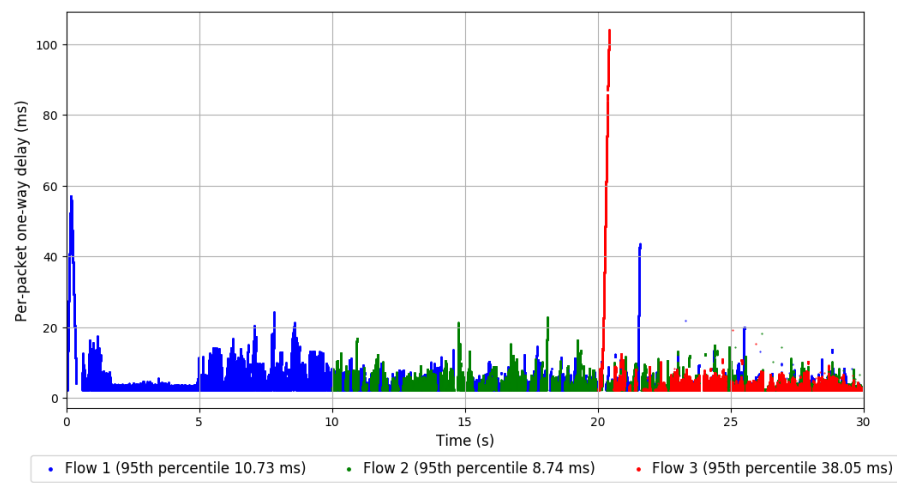
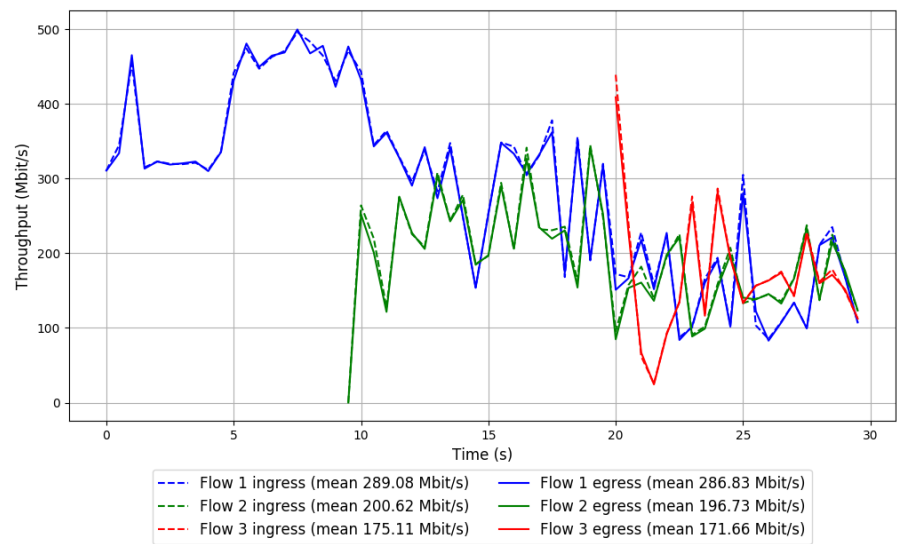


Run 6: Statistics of Verus

Start at: 2017-12-12 00:57:36  
End at: 2017-12-12 00:58:06  
Local clock offset: 0.124 ms  
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2017-12-12 05:32:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 474.78 Mbit/s  
95th percentile per-packet one-way delay: 10.277 ms  
Loss rate: 1.25%  
-- Flow 1:  
Average throughput: 286.83 Mbit/s  
95th percentile per-packet one-way delay: 10.731 ms  
Loss rate: 0.78%  
-- Flow 2:  
Average throughput: 196.73 Mbit/s  
95th percentile per-packet one-way delay: 8.744 ms  
Loss rate: 1.94%  
-- Flow 3:  
Average throughput: 171.66 Mbit/s  
95th percentile per-packet one-way delay: 38.055 ms  
Loss rate: 1.98%

Run 6: Report of Verus — Data Link

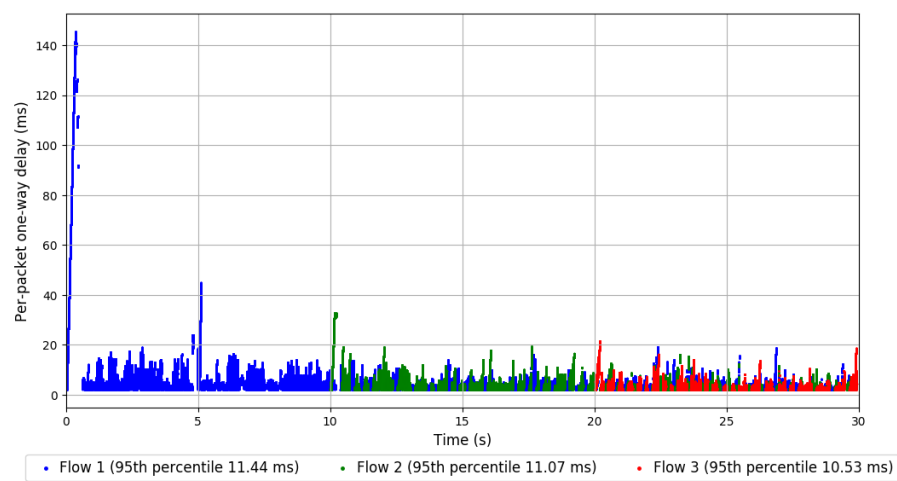
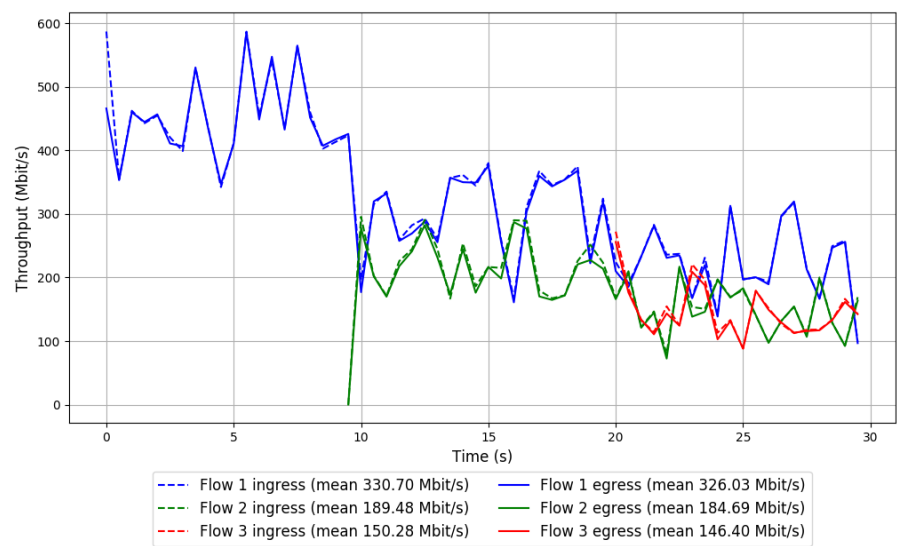


Run 7: Statistics of Verus

Start at: 2017-12-12 01:16:54  
End at: 2017-12-12 01:17:24  
Local clock offset: -0.039 ms  
Remote clock offset: -0.149 ms

# Below is generated by plot.py at 2017-12-12 05:32:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 495.55 Mbit/s  
95th percentile per-packet one-way delay: 11.288 ms  
Loss rate: 1.80%  
-- Flow 1:  
Average throughput: 326.03 Mbit/s  
95th percentile per-packet one-way delay: 11.443 ms  
Loss rate: 1.40%  
-- Flow 2:  
Average throughput: 184.69 Mbit/s  
95th percentile per-packet one-way delay: 11.067 ms  
Loss rate: 2.53%  
-- Flow 3:  
Average throughput: 146.40 Mbit/s  
95th percentile per-packet one-way delay: 10.525 ms  
Loss rate: 2.60%

Run 7: Report of Verus — Data Link

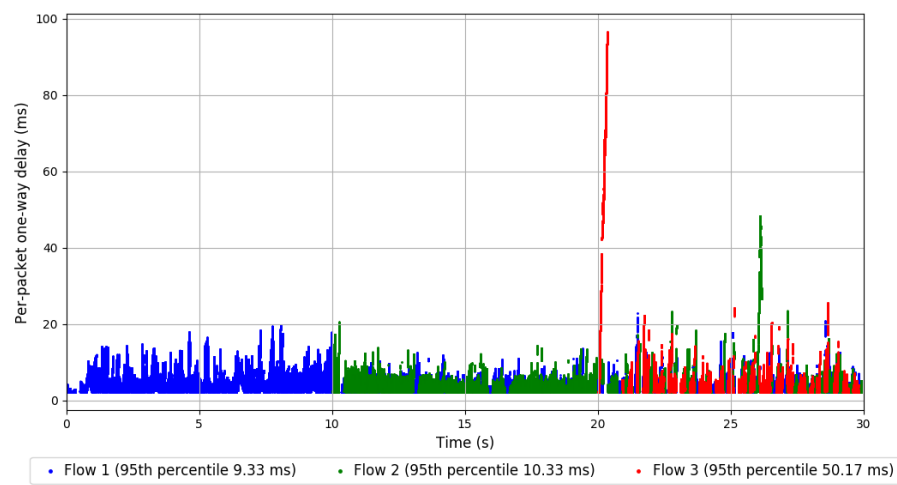
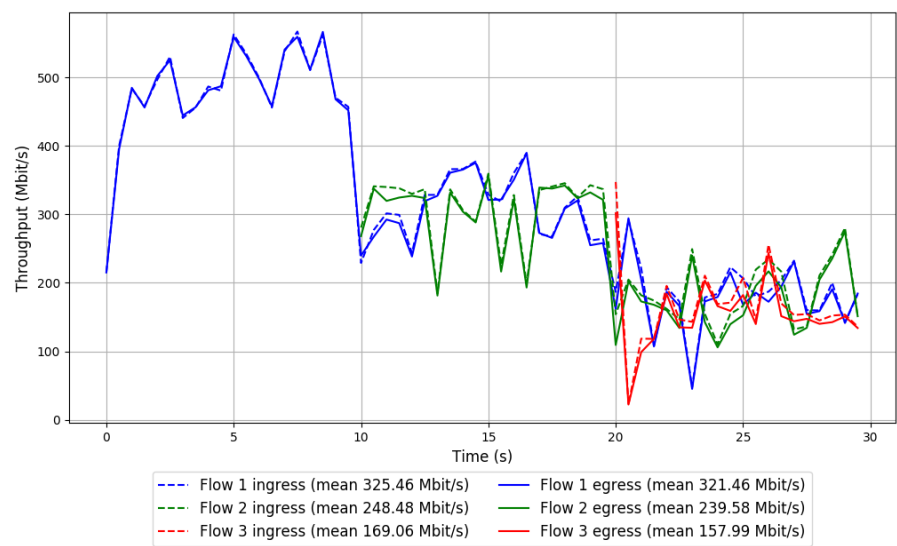


Run 8: Statistics of Verus

Start at: 2017-12-12 01:36:20  
End at: 2017-12-12 01:36:50  
Local clock offset: -0.304 ms  
Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2017-12-12 05:33:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 532.69 Mbit/s  
95th percentile per-packet one-way delay: 10.335 ms  
Loss rate: 2.48%  
-- Flow 1:  
Average throughput: 321.46 Mbit/s  
95th percentile per-packet one-way delay: 9.328 ms  
Loss rate: 1.22%  
-- Flow 2:  
Average throughput: 239.58 Mbit/s  
95th percentile per-packet one-way delay: 10.332 ms  
Loss rate: 3.58%  
-- Flow 3:  
Average throughput: 157.99 Mbit/s  
95th percentile per-packet one-way delay: 50.167 ms  
Loss rate: 6.55%

Run 8: Report of Verus — Data Link



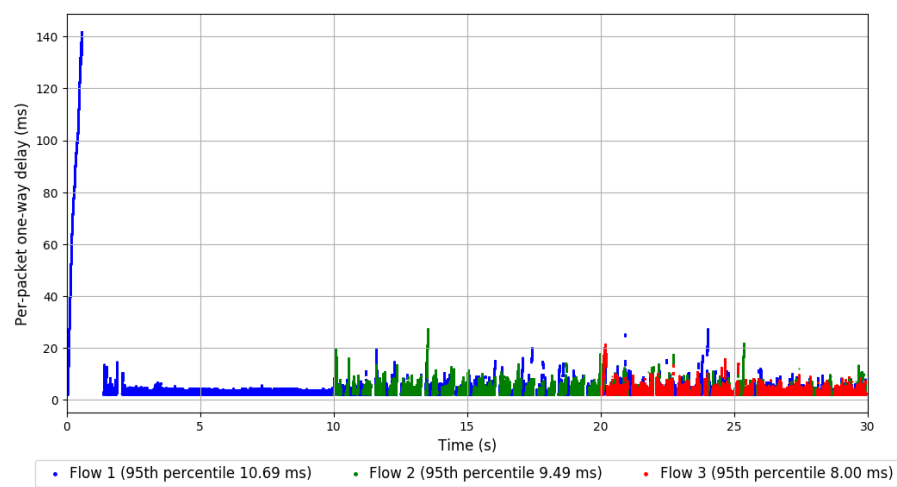
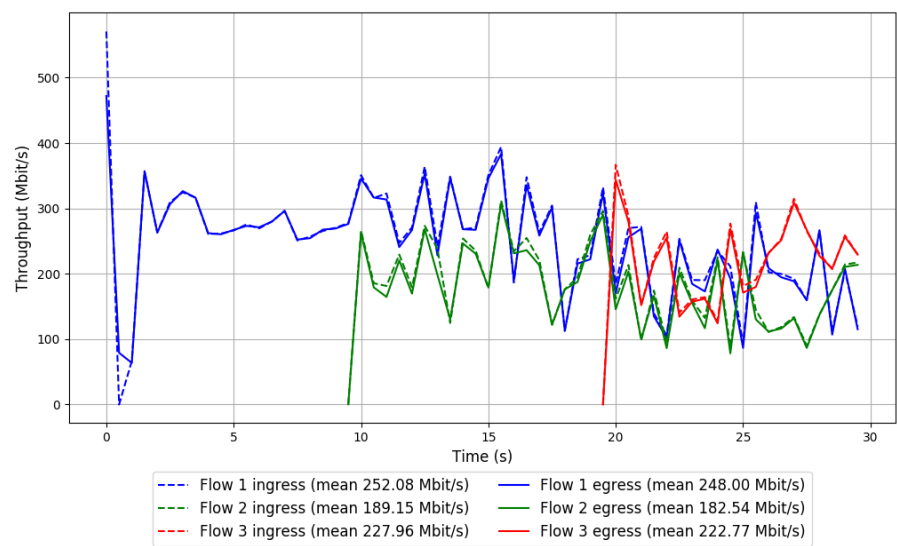
Run 9: Statistics of Verus

Start at: 2017-12-12 01:55:56  
End at: 2017-12-12 01:56:26  
Local clock offset: -0.512 ms  
Remote clock offset: -0.253 ms

# Below is generated by plot.py at 2017-12-12 05:33:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 443.60 Mbit/s  
95th percentile per-packet one-way delay: 9.642 ms  
Loss rate: 2.25%  
-- Flow 1:  
Average throughput: 248.00 Mbit/s  
95th percentile per-packet one-way delay: 10.687 ms  
Loss rate: 1.62%  
-- Flow 2:  
Average throughput: 182.54 Mbit/s  
95th percentile per-packet one-way delay: 9.491 ms  
Loss rate: 3.50%  
-- Flow 3:  
Average throughput: 222.77 Mbit/s  
95th percentile per-packet one-way delay: 8.002 ms  
Loss rate: 2.28%



Run 9: Report of Verus — Data Link

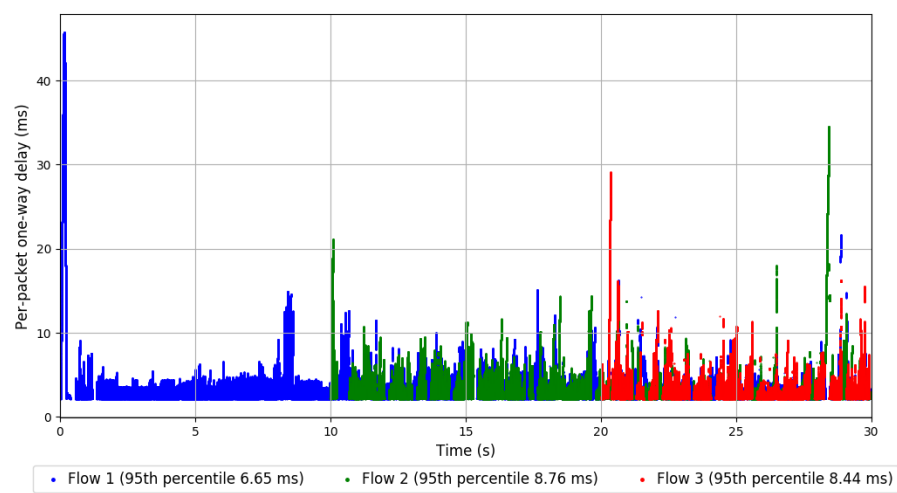
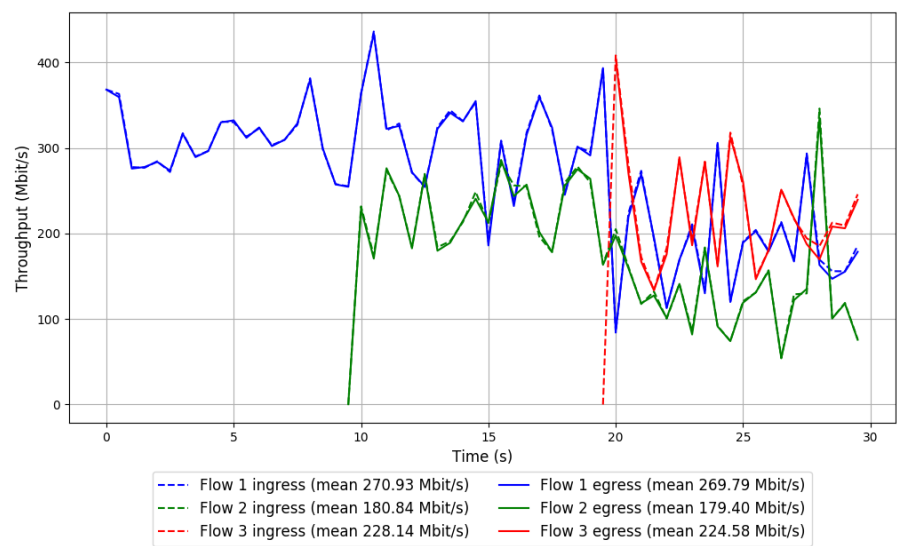


Run 10: Statistics of Verus

Start at: 2017-12-12 02:15:32  
End at: 2017-12-12 02:16:02  
Local clock offset: -0.666 ms  
Remote clock offset: -0.285 ms

# Below is generated by plot.py at 2017-12-12 05:35:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 463.74 Mbit/s  
95th percentile per-packet one-way delay: 7.492 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 269.79 Mbit/s  
95th percentile per-packet one-way delay: 6.651 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 179.40 Mbit/s  
95th percentile per-packet one-way delay: 8.763 ms  
Loss rate: 0.80%  
-- Flow 3:  
Average throughput: 224.58 Mbit/s  
95th percentile per-packet one-way delay: 8.444 ms  
Loss rate: 1.51%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2017-12-11 23:03:52

End at: 2017-12-11 23:04:22

Local clock offset: 0.66 ms

Remote clock offset: 0.842 ms

# Below is generated by plot.py at 2017-12-12 05:35:06

# Datalink statistics

-- Total of 3 flows:

Average throughput: 211.83 Mbit/s

95th percentile per-packet one-way delay: 2.380 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 103.62 Mbit/s

95th percentile per-packet one-way delay: 2.328 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 110.48 Mbit/s

95th percentile per-packet one-way delay: 2.398 ms

Loss rate: 0.00%

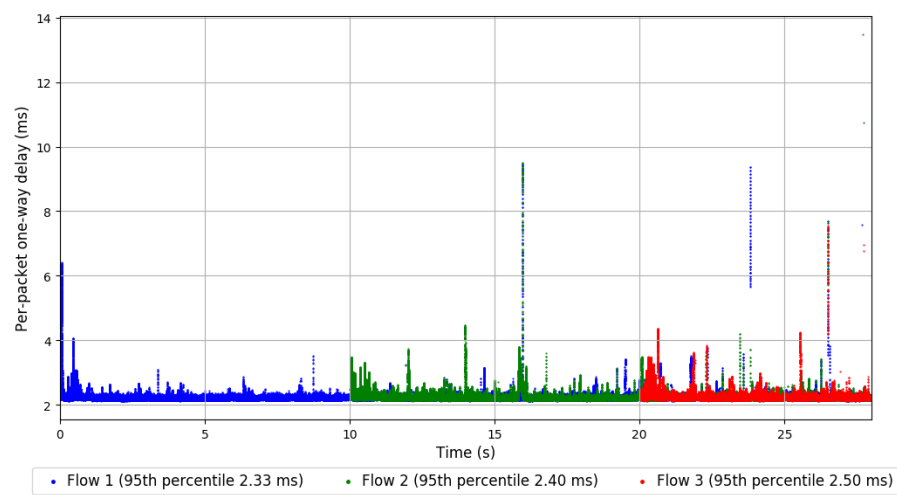
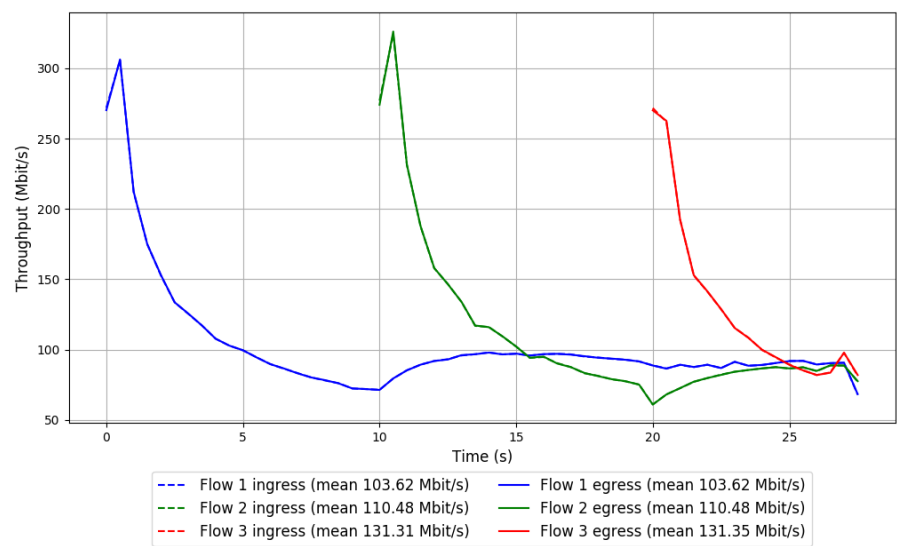
-- Flow 3:

Average throughput: 131.35 Mbit/s

95th percentile per-packet one-way delay: 2.500 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-12-11 23:23:05

End at: 2017-12-11 23:23:35

Local clock offset: 0.581 ms

Remote clock offset: 0.639 ms

# Below is generated by plot.py at 2017-12-12 05:35:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 212.21 Mbit/s

95th percentile per-packet one-way delay: 6.356 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 108.54 Mbit/s

95th percentile per-packet one-way delay: 7.164 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.11 Mbit/s

95th percentile per-packet one-way delay: 2.350 ms

Loss rate: 0.00%

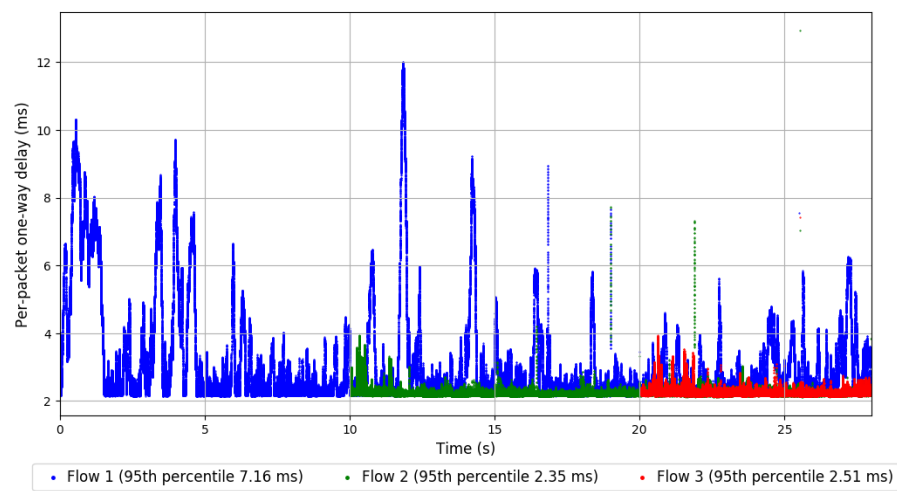
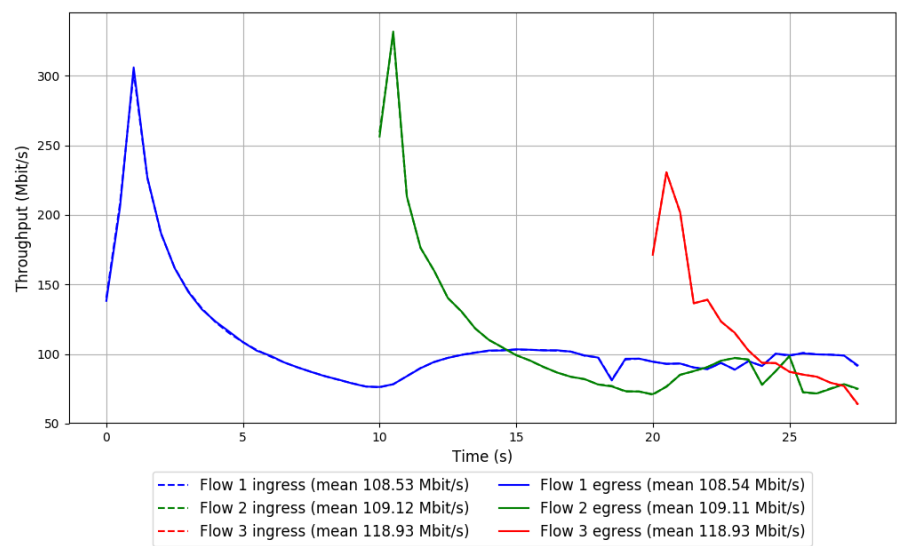
-- Flow 3:

Average throughput: 118.93 Mbit/s

95th percentile per-packet one-way delay: 2.512 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2017-12-11 23:42:30

End at: 2017-12-11 23:43:00

Local clock offset: 0.485 ms

Remote clock offset: 0.409 ms

# Below is generated by plot.py at 2017-12-12 05:35:50

# Datalink statistics

-- Total of 3 flows:

Average throughput: 208.78 Mbit/s

95th percentile per-packet one-way delay: 2.458 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 102.96 Mbit/s

95th percentile per-packet one-way delay: 2.406 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 111.69 Mbit/s

95th percentile per-packet one-way delay: 2.457 ms

Loss rate: 0.00%

-- Flow 3:

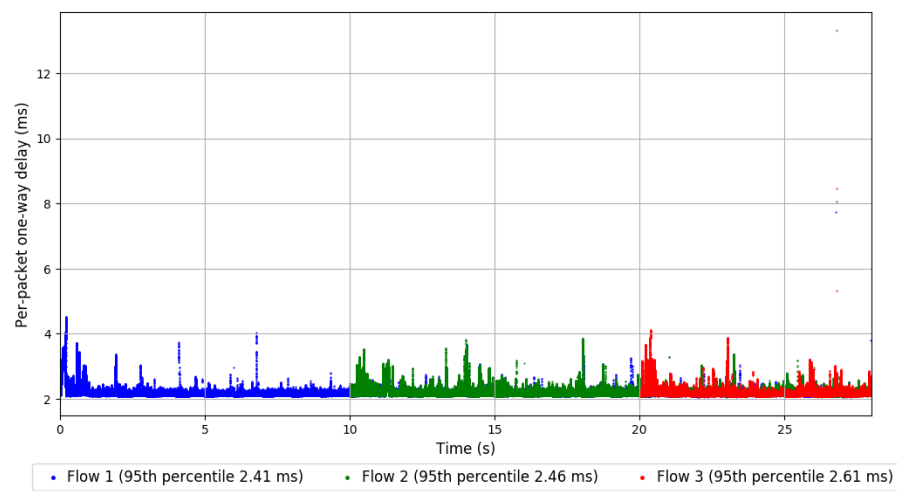
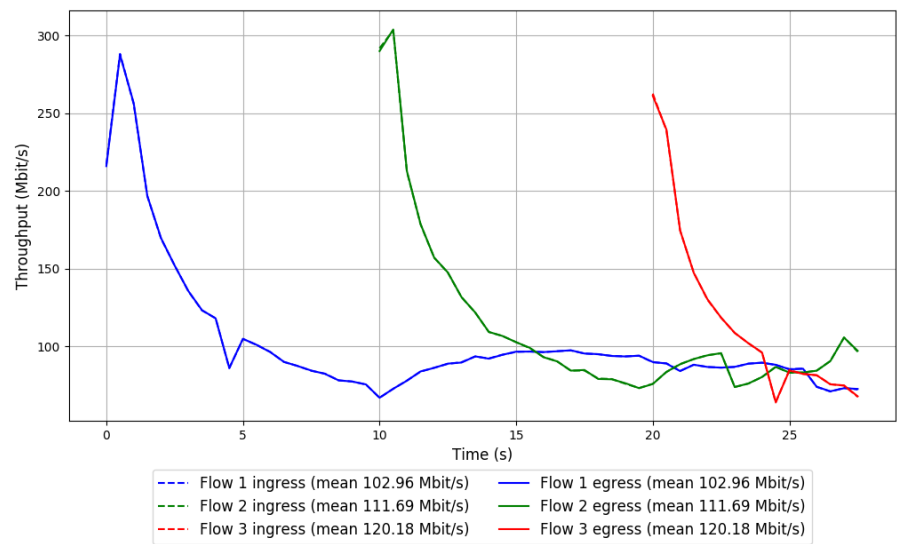
Average throughput: 120.18 Mbit/s

95th percentile per-packet one-way delay: 2.608 ms

Loss rate: 0.00%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-12-12 00:01:55

End at: 2017-12-12 00:02:25

Local clock offset: 0.368 ms

Remote clock offset: 0.217 ms

# Below is generated by plot.py at 2017-12-12 05:37:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 211.25 Mbit/s

95th percentile per-packet one-way delay: 5.065 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 106.81 Mbit/s

95th percentile per-packet one-way delay: 5.834 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 109.27 Mbit/s

95th percentile per-packet one-way delay: 4.494 ms

Loss rate: 0.00%

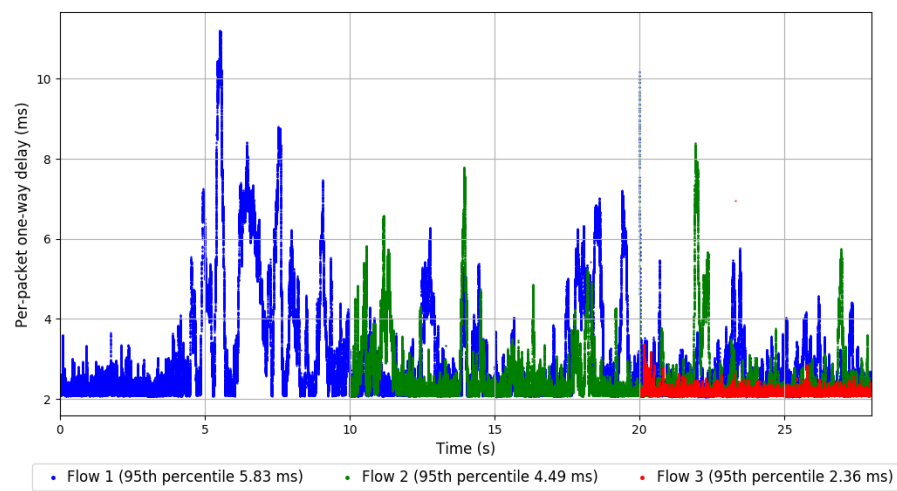
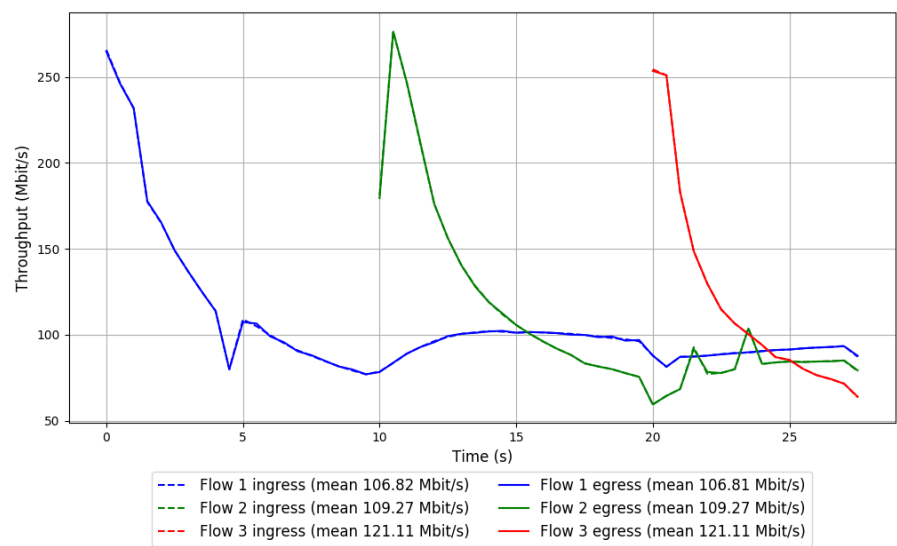
-- Flow 3:

Average throughput: 121.11 Mbit/s

95th percentile per-packet one-way delay: 2.363 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2017-12-12 00:21:37

End at: 2017-12-12 00:22:07

Local clock offset: 0.236 ms

Remote clock offset: 0.08 ms

# Below is generated by plot.py at 2017-12-12 05:37:19

# Datalink statistics

-- Total of 3 flows:

Average throughput: 166.09 Mbit/s

95th percentile per-packet one-way delay: 36.125 ms

Loss rate: 0.04%

-- Flow 1:

Average throughput: 55.19 Mbit/s

95th percentile per-packet one-way delay: 38.226 ms

Loss rate: 0.12%

-- Flow 2:

Average throughput: 108.89 Mbit/s

95th percentile per-packet one-way delay: 2.353 ms

Loss rate: 0.00%

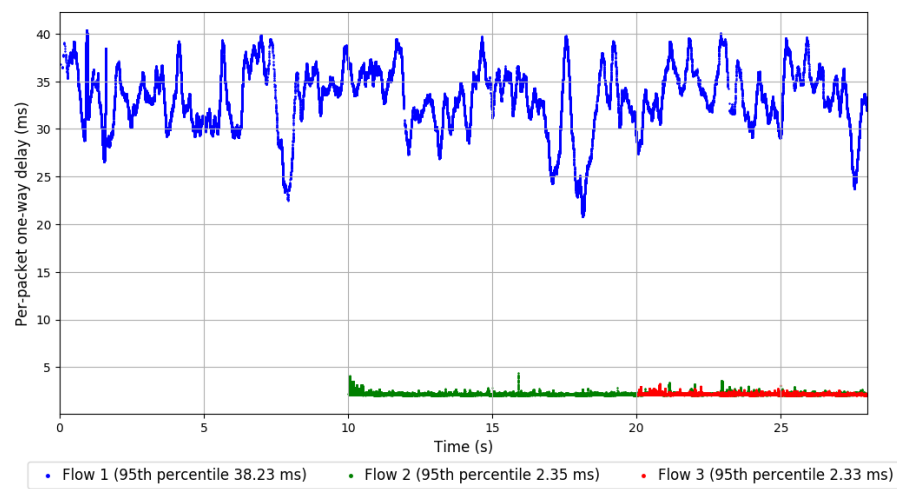
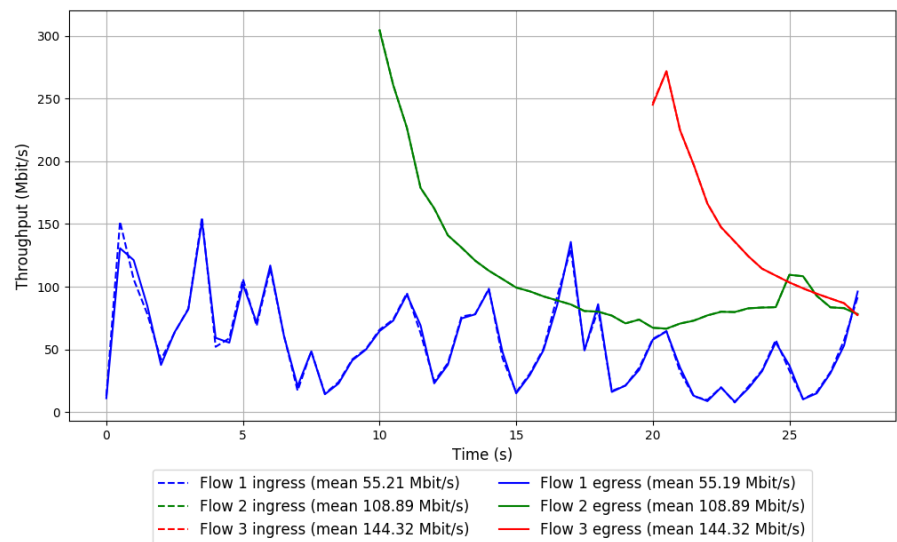
-- Flow 3:

Average throughput: 144.32 Mbit/s

95th percentile per-packet one-way delay: 2.333 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

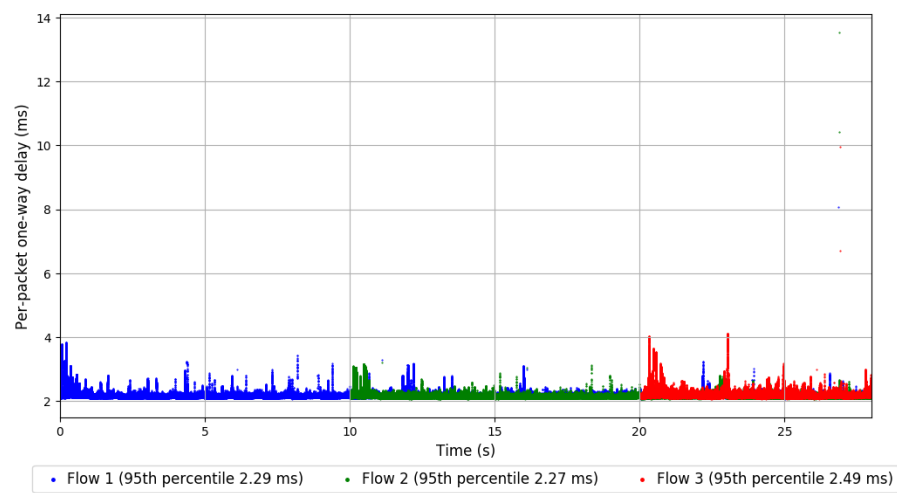
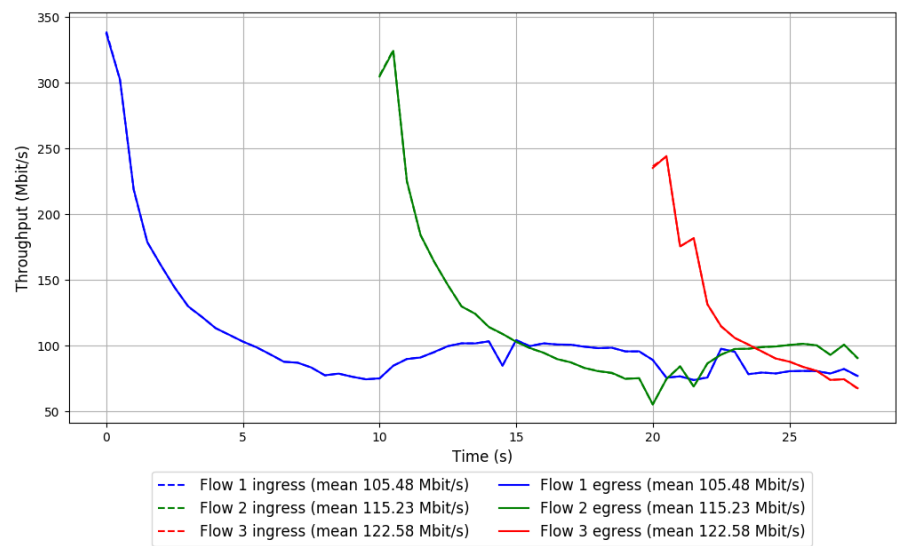


Run 6: Statistics of Copa

Start at: 2017-12-12 00:41:01  
End at: 2017-12-12 00:41:31  
Local clock offset: 0.099 ms  
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2017-12-12 05:38:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 214.17 Mbit/s  
95th percentile per-packet one-way delay: 2.330 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 105.48 Mbit/s  
95th percentile per-packet one-way delay: 2.286 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 115.23 Mbit/s  
95th percentile per-packet one-way delay: 2.265 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 122.58 Mbit/s  
95th percentile per-packet one-way delay: 2.492 ms  
Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2017-12-12 01:00:29

End at: 2017-12-12 01:00:59

Local clock offset: 0.201 ms

Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2017-12-12 05:38:52

# Datalink statistics

-- Total of 3 flows:

Average throughput: 216.57 Mbit/s

95th percentile per-packet one-way delay: 2.337 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 106.42 Mbit/s

95th percentile per-packet one-way delay: 2.311 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 106.22 Mbit/s

95th percentile per-packet one-way delay: 2.341 ms

Loss rate: 0.00%

-- Flow 3:

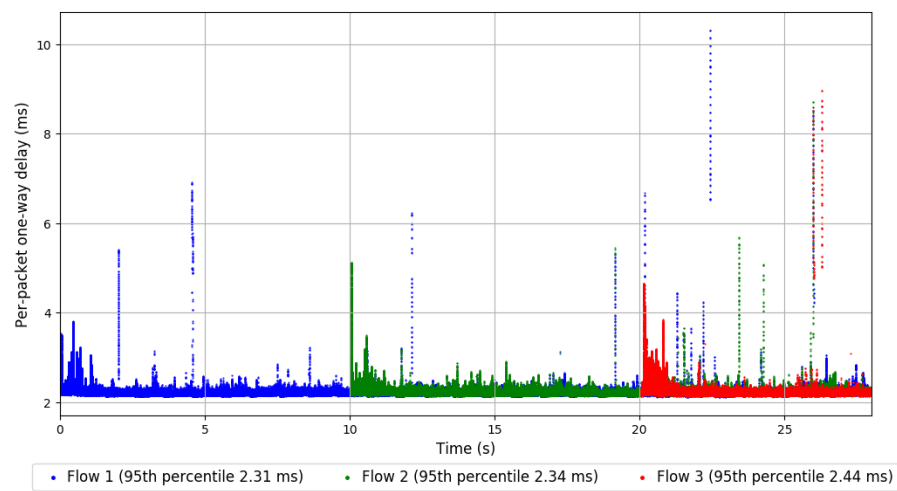
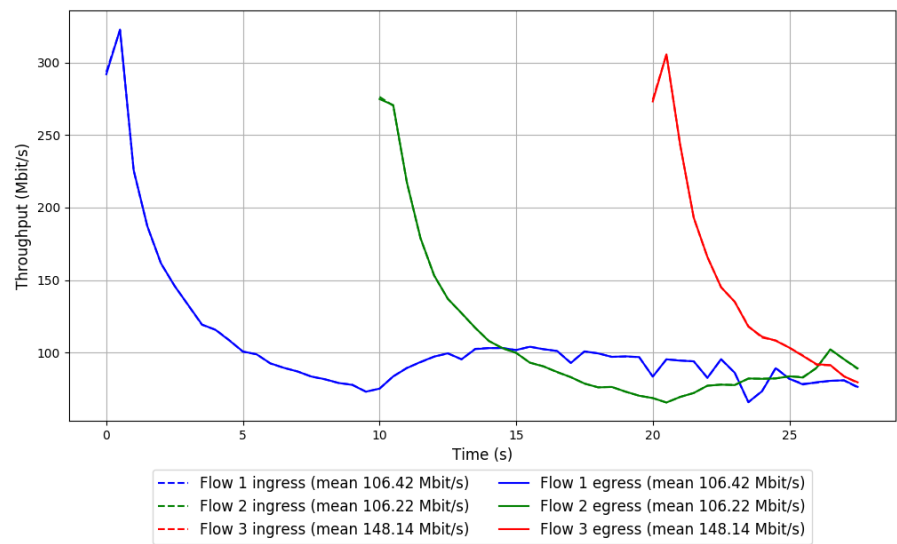
Average throughput: 148.14 Mbit/s

95th percentile per-packet one-way delay: 2.438 ms

Loss rate: 0.00%



Run 7: Report of Copa — Data Link

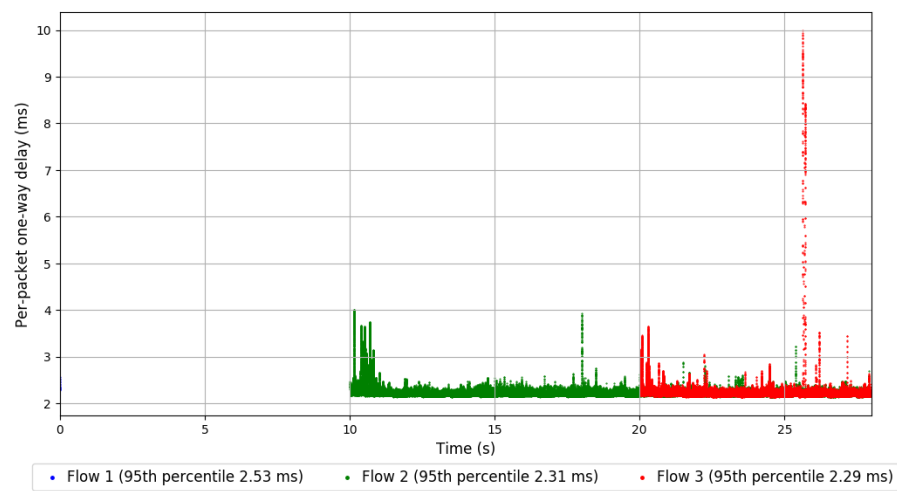
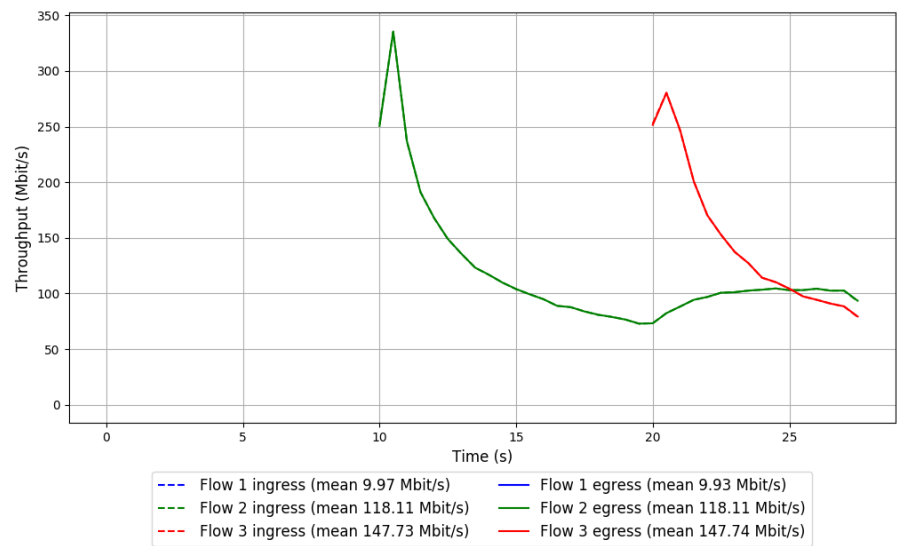


Run 8: Statistics of Copa

Start at: 2017-12-12 01:19:48  
End at: 2017-12-12 01:20:18  
Local clock offset: -0.112 ms  
Remote clock offset: -0.132 ms

```
# Below is generated by plot.py at 2017-12-12 05:38:52
# Datalink statistics
-- Total of 3 flows:
Average throughput: 117.82 Mbit/s
95th percentile per-packet one-way delay: 2.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.93 Mbit/s
95th percentile per-packet one-way delay: 2.528 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 118.11 Mbit/s
95th percentile per-packet one-way delay: 2.311 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 147.74 Mbit/s
95th percentile per-packet one-way delay: 2.294 ms
Loss rate: 0.00%
```

Run 8: Report of Copa — Data Link

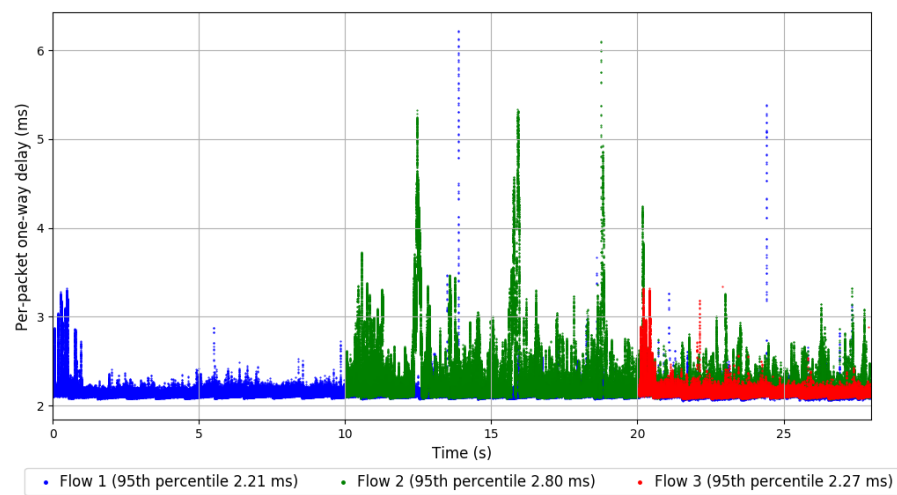
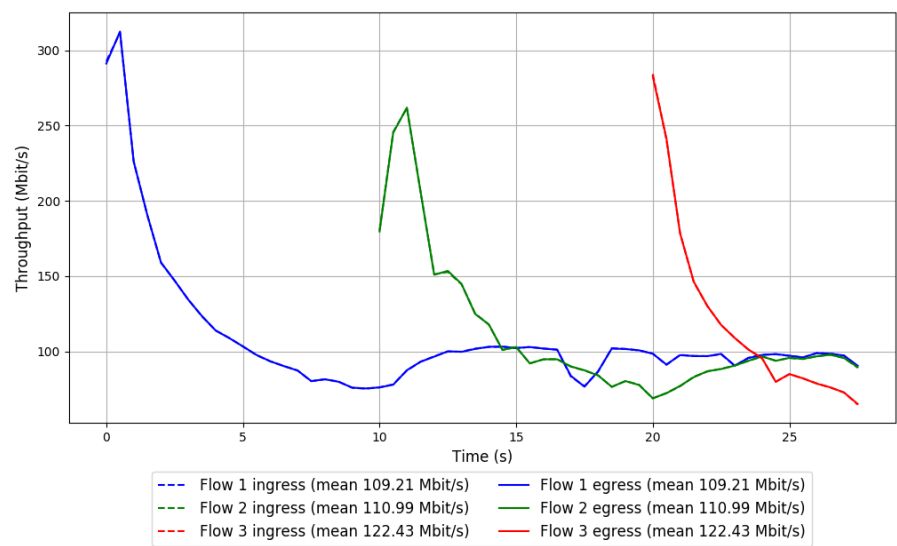


Run 9: Statistics of Copa

Start at: 2017-12-12 01:39:16  
End at: 2017-12-12 01:39:46  
Local clock offset: -0.344 ms  
Remote clock offset: -0.256 ms

# Below is generated by plot.py at 2017-12-12 05:40:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 215.20 Mbit/s  
95th percentile per-packet one-way delay: 2.453 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 109.21 Mbit/s  
95th percentile per-packet one-way delay: 2.205 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 110.99 Mbit/s  
95th percentile per-packet one-way delay: 2.797 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 122.43 Mbit/s  
95th percentile per-packet one-way delay: 2.272 ms  
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

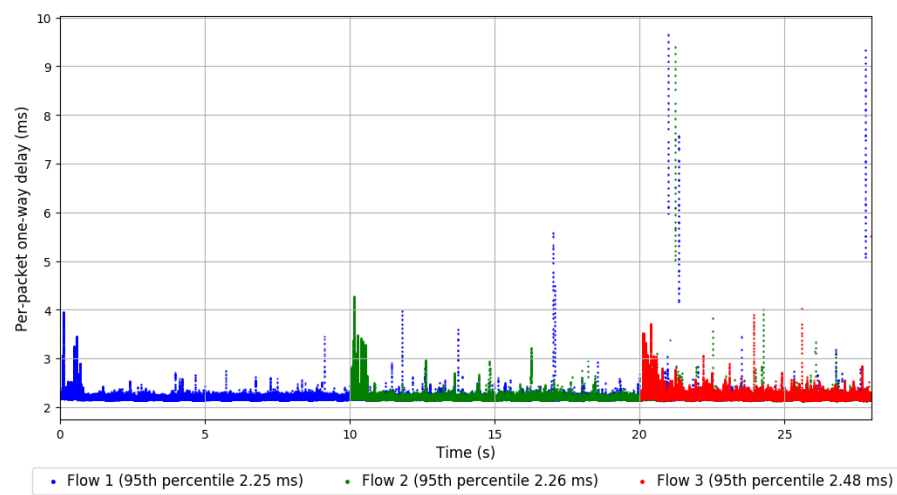
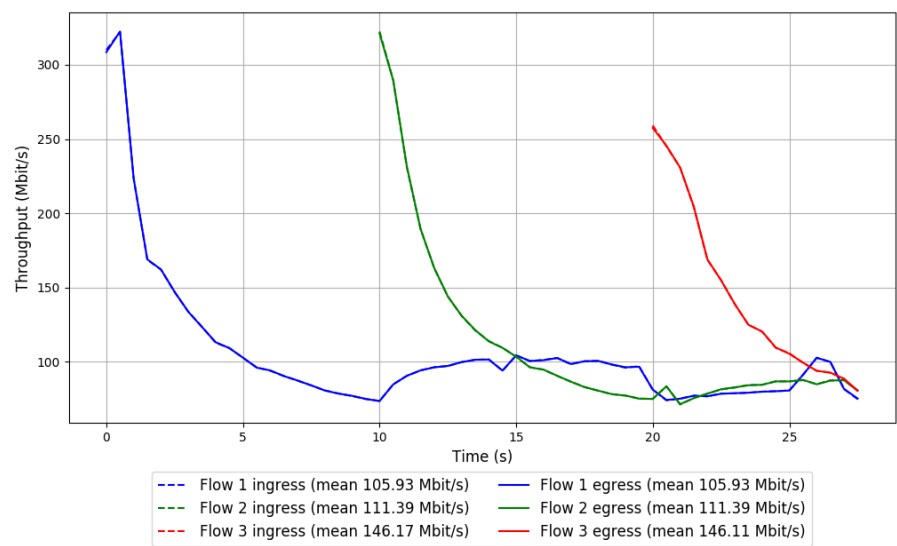


Run 10: Statistics of Copa

Start at: 2017-12-12 01:58:47  
End at: 2017-12-12 01:59:17  
Local clock offset: -0.487 ms  
Remote clock offset: -0.252 ms

# Below is generated by plot.py at 2017-12-12 05:40:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 218.85 Mbit/s  
95th percentile per-packet one-way delay: 2.290 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 105.93 Mbit/s  
95th percentile per-packet one-way delay: 2.246 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 111.39 Mbit/s  
95th percentile per-packet one-way delay: 2.257 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 146.11 Mbit/s  
95th percentile per-packet one-way delay: 2.478 ms  
Loss rate: 0.00%

Run 10: Report of Copa — Data Link



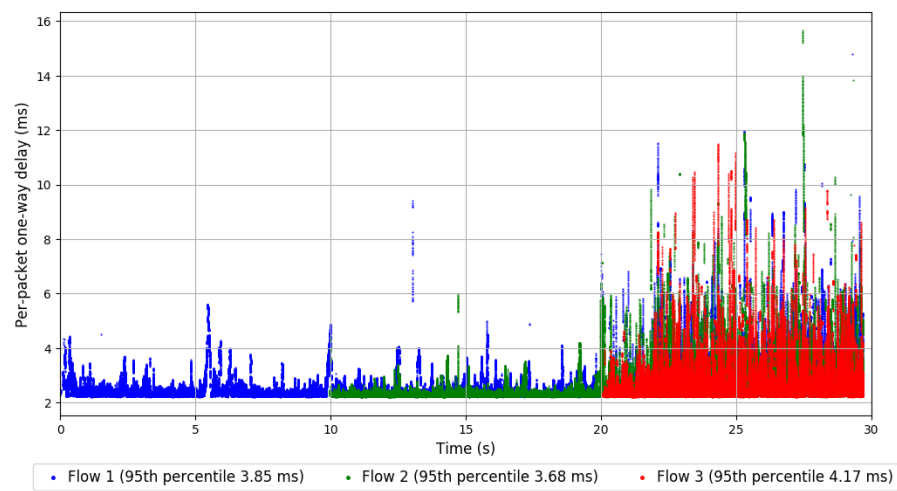
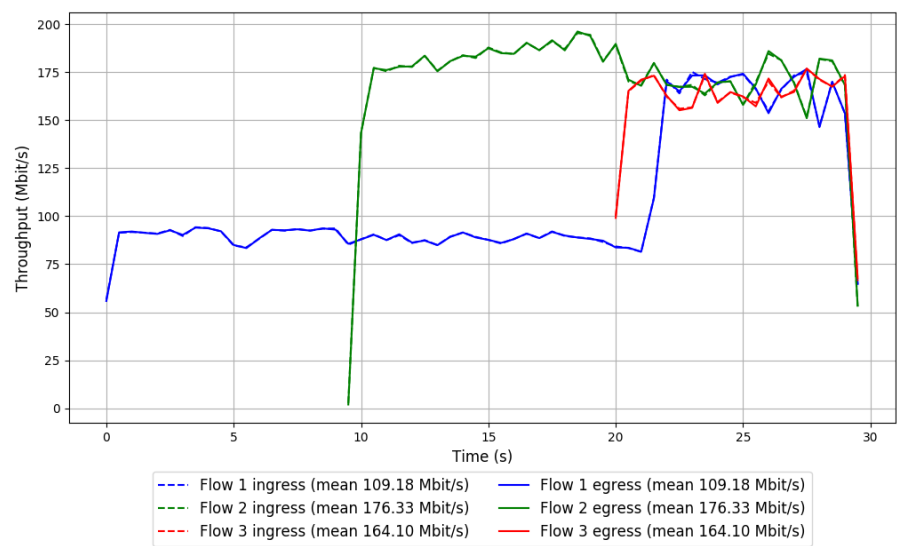
```
Run 1: Statistics of Indigo

Start at: 2017-12-11 23:18:55
End at: 2017-12-11 23:19:25
Local clock offset: 0.527 ms
Remote clock offset: 0.688 ms

# Below is generated by plot.py at 2017-12-12 05:40:46
# Datalink statistics
-- Total of 3 flows:
Average throughput: 279.49 Mbit/s
95th percentile per-packet one-way delay: 3.850 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 109.18 Mbit/s
95th percentile per-packet one-way delay: 3.851 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 176.33 Mbit/s
95th percentile per-packet one-way delay: 3.676 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 164.10 Mbit/s
95th percentile per-packet one-way delay: 4.170 ms
Loss rate: 0.00%
```



Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-12-11 23:38:16

End at: 2017-12-11 23:38:46

Local clock offset: 0.454 ms

Remote clock offset: 0.479 ms

# Below is generated by plot.py at 2017-12-12 05:41:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 351.16 Mbit/s

95th percentile per-packet one-way delay: 3.734 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 184.39 Mbit/s

95th percentile per-packet one-way delay: 3.154 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 175.46 Mbit/s

95th percentile per-packet one-way delay: 4.128 ms

Loss rate: 0.00%

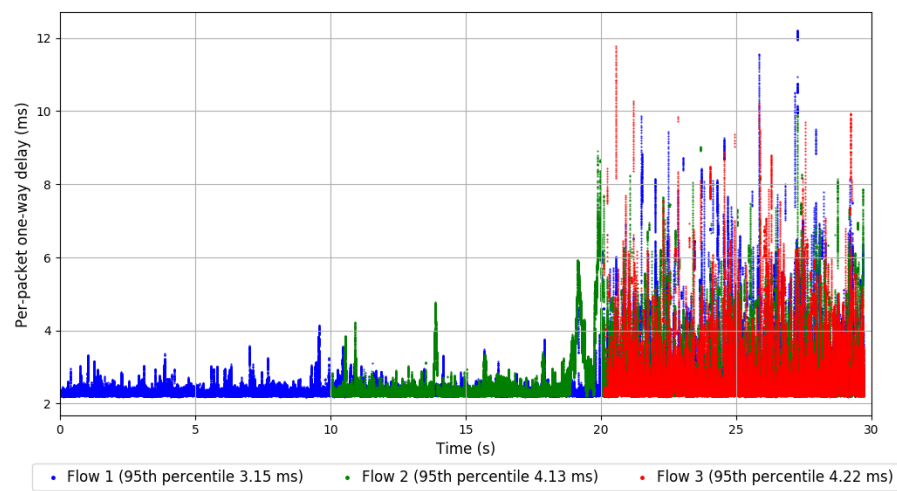
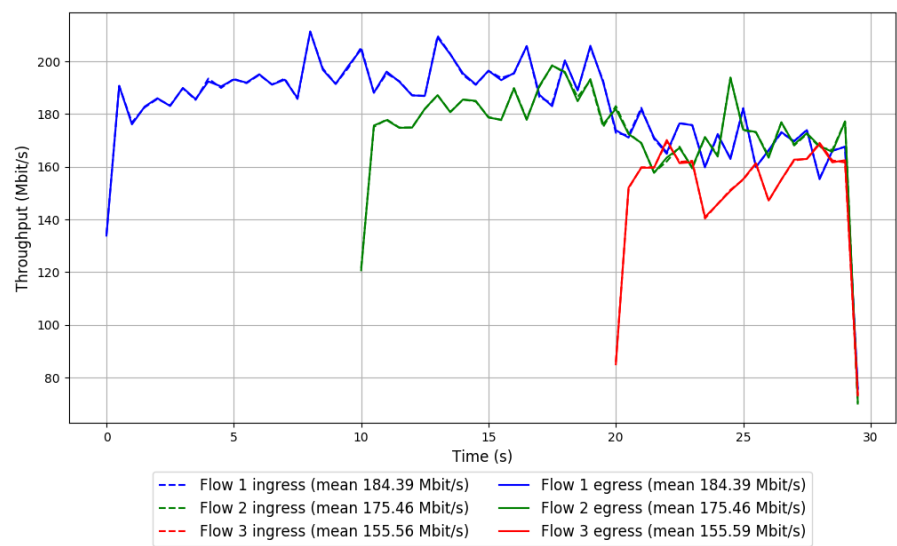
-- Flow 3:

Average throughput: 155.59 Mbit/s

95th percentile per-packet one-way delay: 4.218 ms

Loss rate: 0.00%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-12-11 23:57:38

End at: 2017-12-11 23:58:08

Local clock offset: 0.4 ms

Remote clock offset: 0.311 ms

# Below is generated by plot.py at 2017-12-12 05:42:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 348.05 Mbit/s

95th percentile per-packet one-way delay: 4.598 ms

Loss rate: 0.01%

-- Flow 1:

Average throughput: 185.29 Mbit/s

95th percentile per-packet one-way delay: 3.221 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 174.36 Mbit/s

95th percentile per-packet one-way delay: 3.457 ms

Loss rate: 0.00%

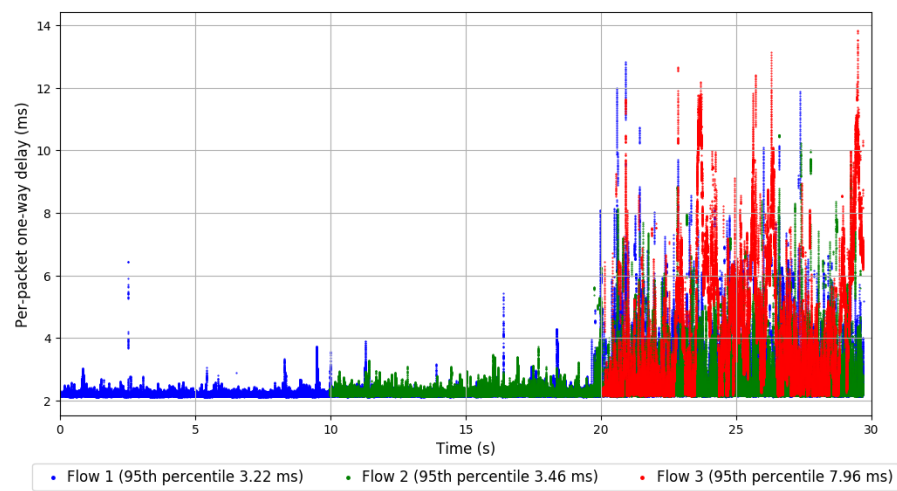
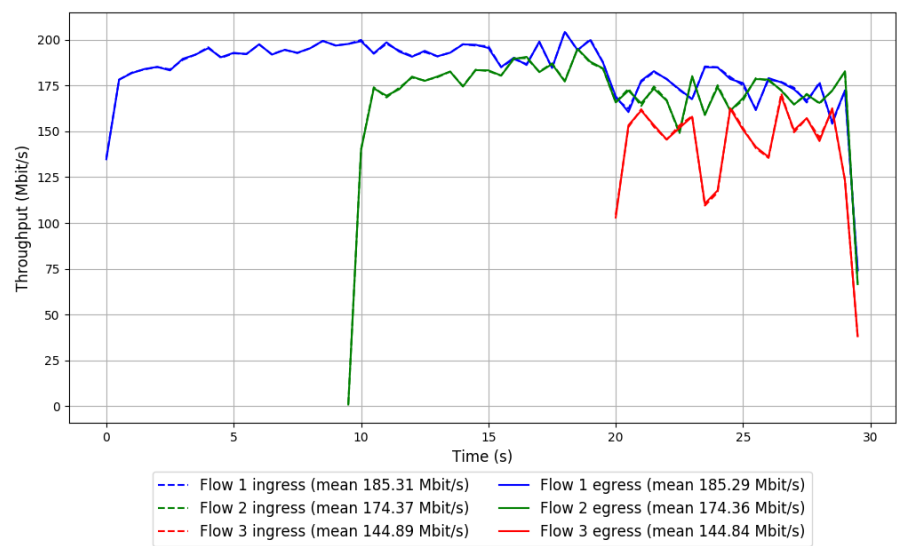
-- Flow 3:

Average throughput: 144.84 Mbit/s

95th percentile per-packet one-way delay: 7.960 ms

Loss rate: 0.04%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-12-12 00:17:13

End at: 2017-12-12 00:17:43

Local clock offset: 0.264 ms

Remote clock offset: 0.172 ms

# Below is generated by plot.py at 2017-12-12 05:42:11

# Datalink statistics

-- Total of 3 flows:

Average throughput: 339.63 Mbit/s

95th percentile per-packet one-way delay: 3.521 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 178.06 Mbit/s

95th percentile per-packet one-way delay: 3.252 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 166.77 Mbit/s

95th percentile per-packet one-way delay: 3.866 ms

Loss rate: 0.00%

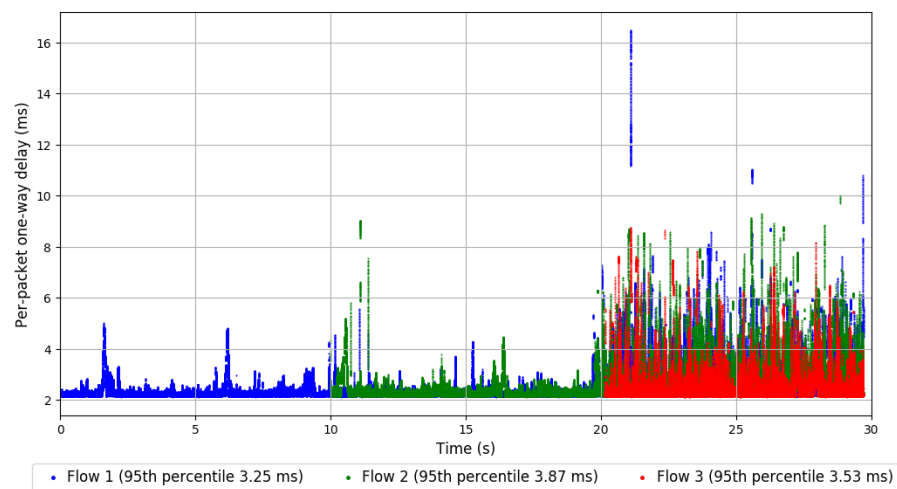
-- Flow 3:

Average throughput: 157.91 Mbit/s

95th percentile per-packet one-way delay: 3.529 ms

Loss rate: 0.00%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-12-12 00:36:47

End at: 2017-12-12 00:37:17

Local clock offset: 0.06 ms

Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2017-12-12 05:43:37

# Datalink statistics

-- Total of 3 flows:

Average throughput: 353.97 Mbit/s

95th percentile per-packet one-way delay: 3.632 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 187.28 Mbit/s

95th percentile per-packet one-way delay: 2.785 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 173.96 Mbit/s

95th percentile per-packet one-way delay: 3.872 ms

Loss rate: 0.00%

-- Flow 3:

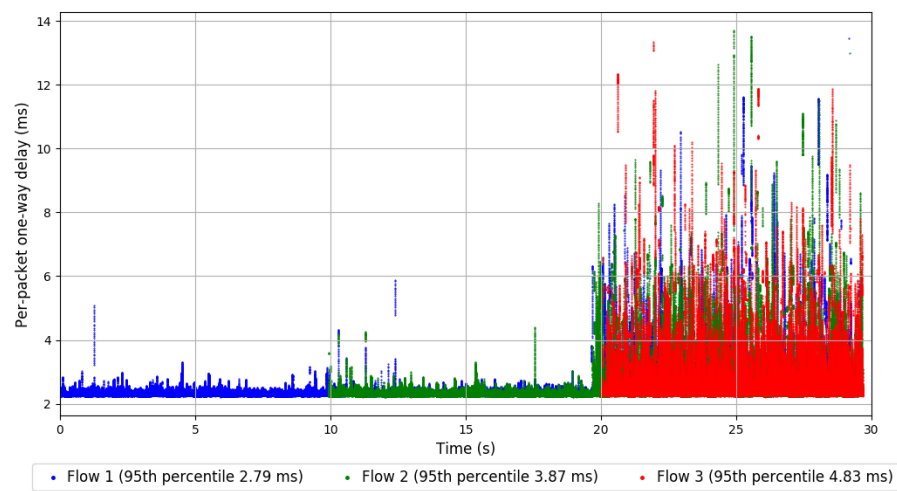
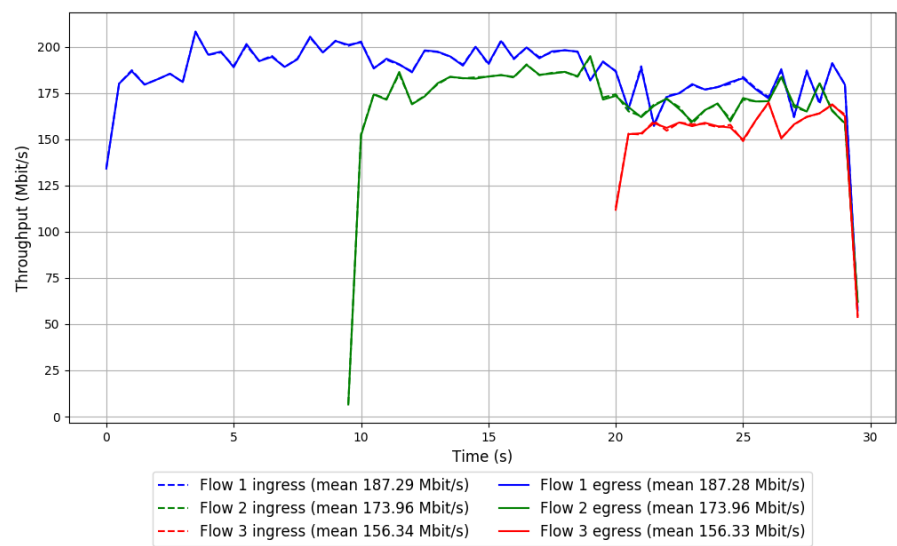
Average throughput: 156.33 Mbit/s

95th percentile per-packet one-way delay: 4.833 ms

Loss rate: 0.00%



Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-12-12 00:56:13

End at: 2017-12-12 00:56:43

Local clock offset: 0.203 ms

Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2017-12-12 05:43:47

# Datalink statistics

-- Total of 3 flows:

Average throughput: 353.65 Mbit/s

95th percentile per-packet one-way delay: 3.637 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 184.68 Mbit/s

95th percentile per-packet one-way delay: 3.314 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 176.43 Mbit/s

95th percentile per-packet one-way delay: 3.863 ms

Loss rate: 0.00%

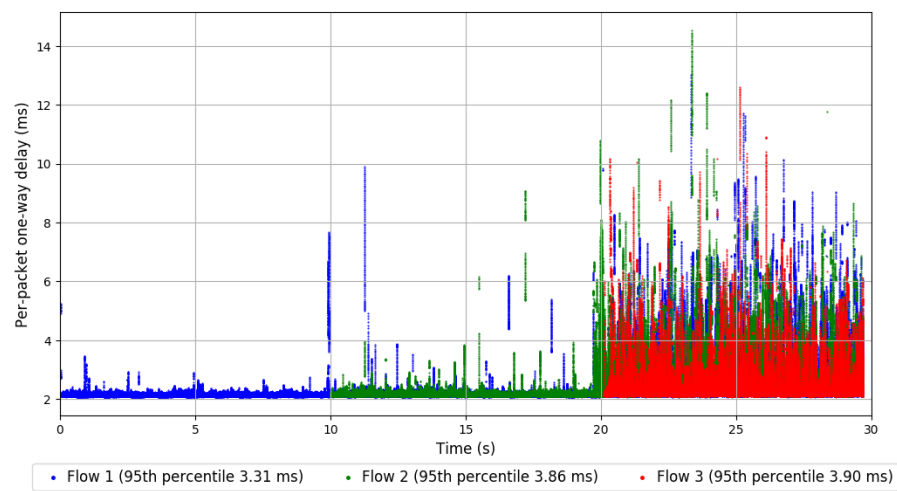
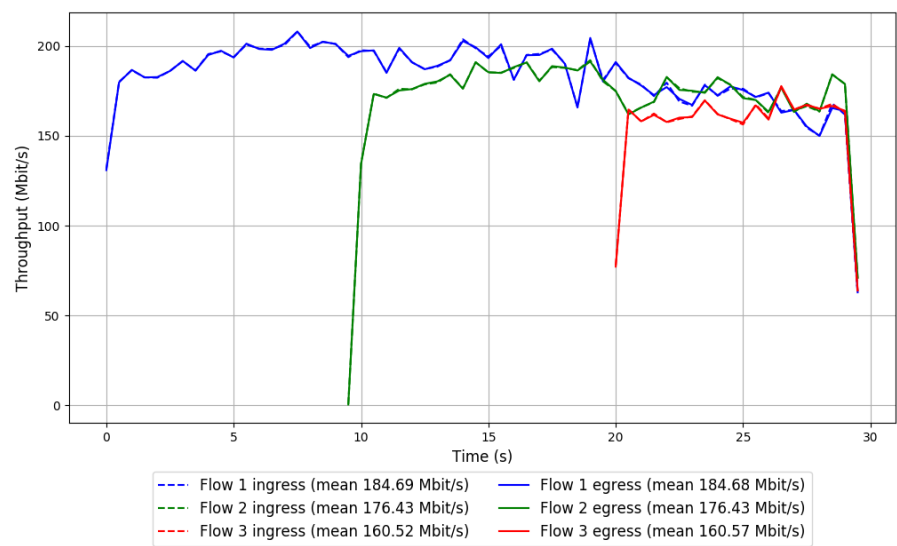
-- Flow 3:

Average throughput: 160.57 Mbit/s

95th percentile per-packet one-way delay: 3.900 ms

Loss rate: 0.00%

Run 6: Report of Indigo — Data Link

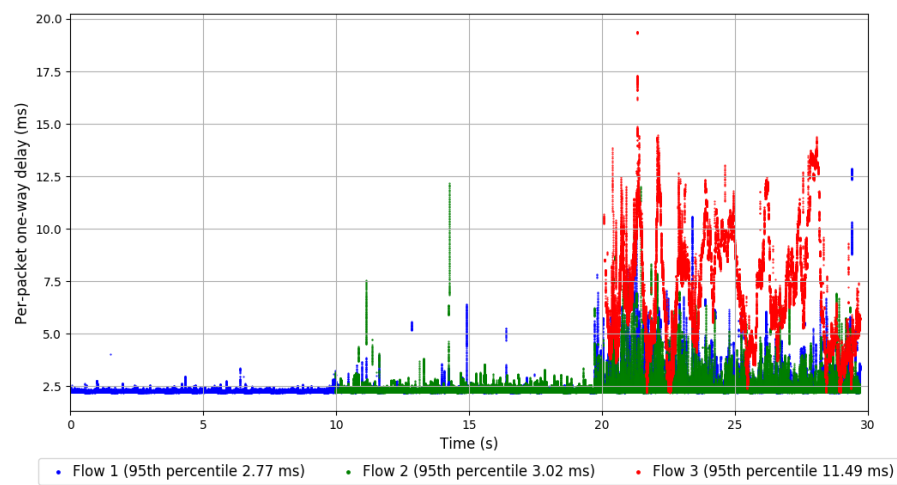
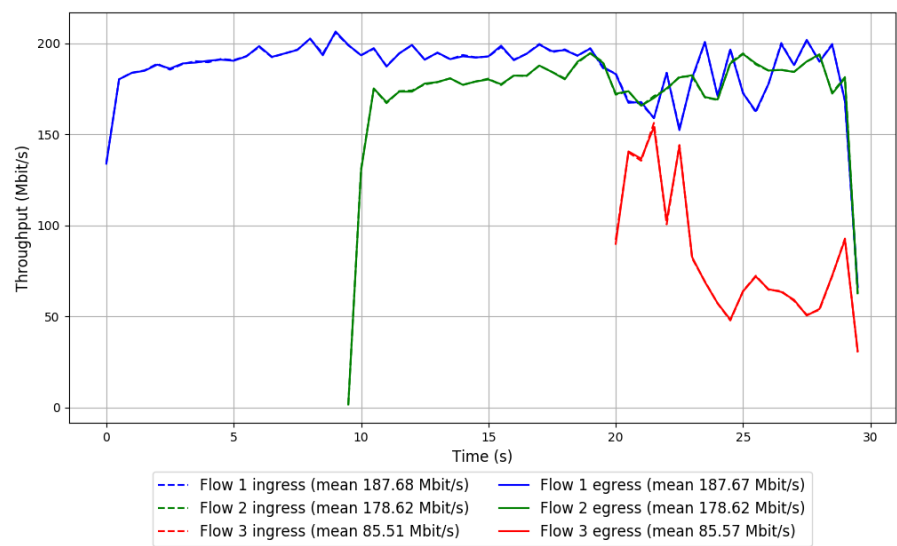


Run 7: Statistics of Indigo

Start at: 2017-12-12 01:15:32  
End at: 2017-12-12 01:16:02  
Local clock offset: -0.1 ms  
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2017-12-12 05:44:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 334.07 Mbit/s  
95th percentile per-packet one-way delay: 5.783 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 187.67 Mbit/s  
95th percentile per-packet one-way delay: 2.771 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 178.62 Mbit/s  
95th percentile per-packet one-way delay: 3.016 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 85.57 Mbit/s  
95th percentile per-packet one-way delay: 11.493 ms  
Loss rate: 0.01%

Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-12-12 01:34:57

End at: 2017-12-12 01:35:27

Local clock offset: -0.291 ms

Remote clock offset: -0.16 ms

# Below is generated by plot.py at 2017-12-12 05:45:10

# Datalink statistics

-- Total of 3 flows:

Average throughput: 356.22 Mbit/s

95th percentile per-packet one-way delay: 3.621 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 187.31 Mbit/s

95th percentile per-packet one-way delay: 3.185 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 176.18 Mbit/s

95th percentile per-packet one-way delay: 3.791 ms

Loss rate: 0.00%

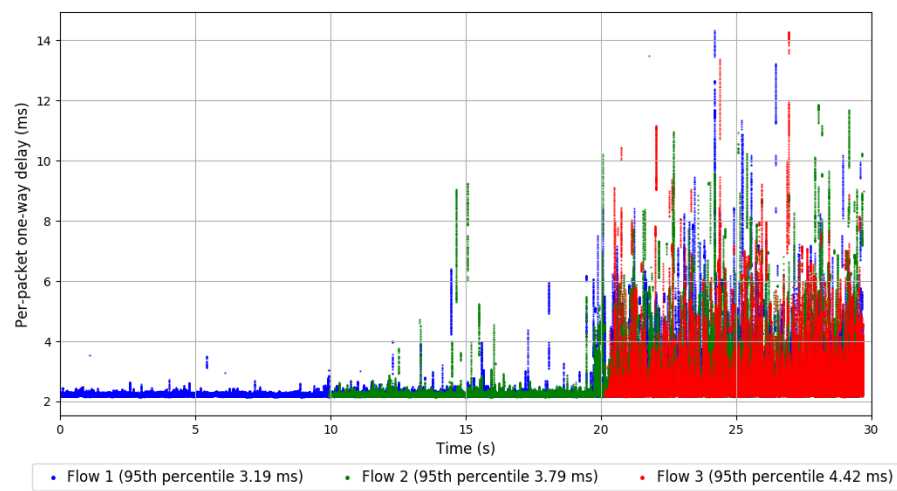
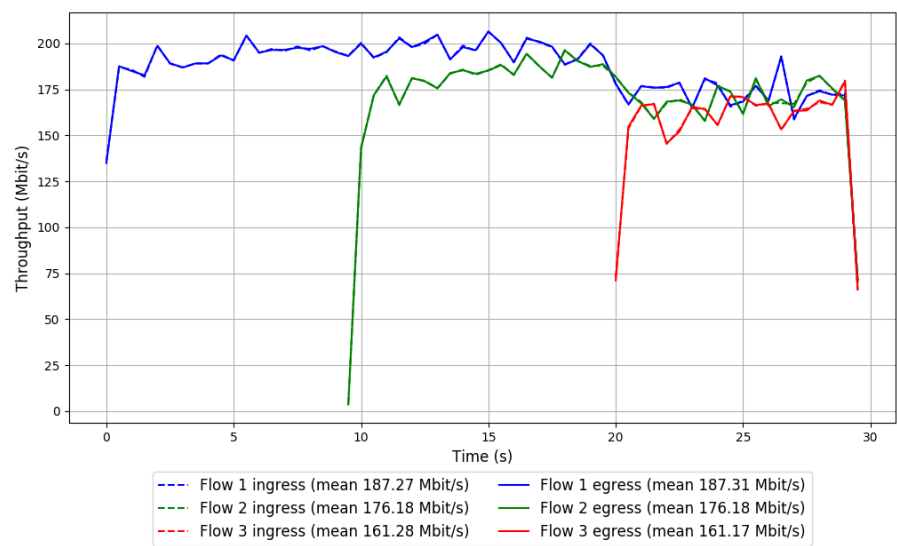
-- Flow 3:

Average throughput: 161.17 Mbit/s

95th percentile per-packet one-way delay: 4.423 ms

Loss rate: 0.00%

Run 8: Report of Indigo — Data Link



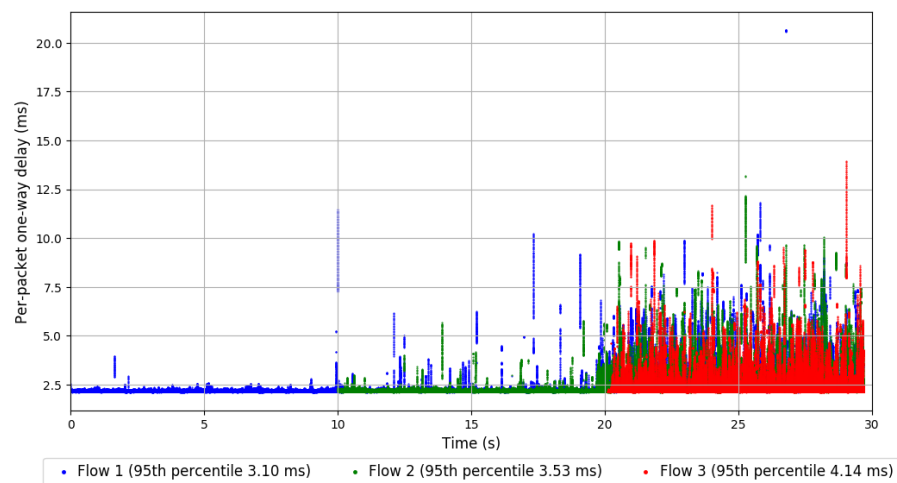
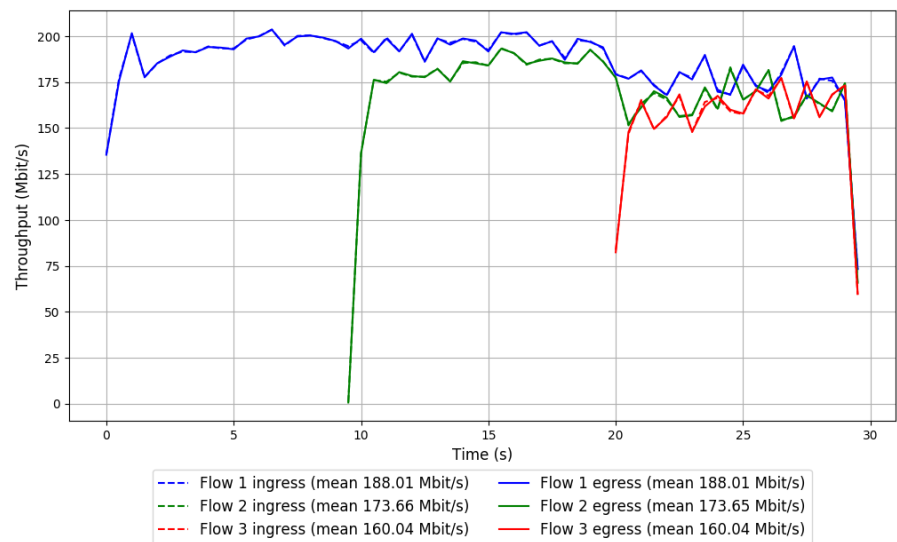
Run 9: Statistics of Indigo

Start at: 2017-12-12 01:54:32  
End at: 2017-12-12 01:55:02  
Local clock offset: -0.394 ms  
Remote clock offset: -0.244 ms

# Below is generated by plot.py at 2017-12-12 05:45:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 354.90 Mbit/s  
95th percentile per-packet one-way delay: 3.448 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 188.01 Mbit/s  
95th percentile per-packet one-way delay: 3.102 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 173.65 Mbit/s  
95th percentile per-packet one-way delay: 3.534 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 160.04 Mbit/s  
95th percentile per-packet one-way delay: 4.143 ms  
Loss rate: 0.00%



Run 9: Report of Indigo — Data Link

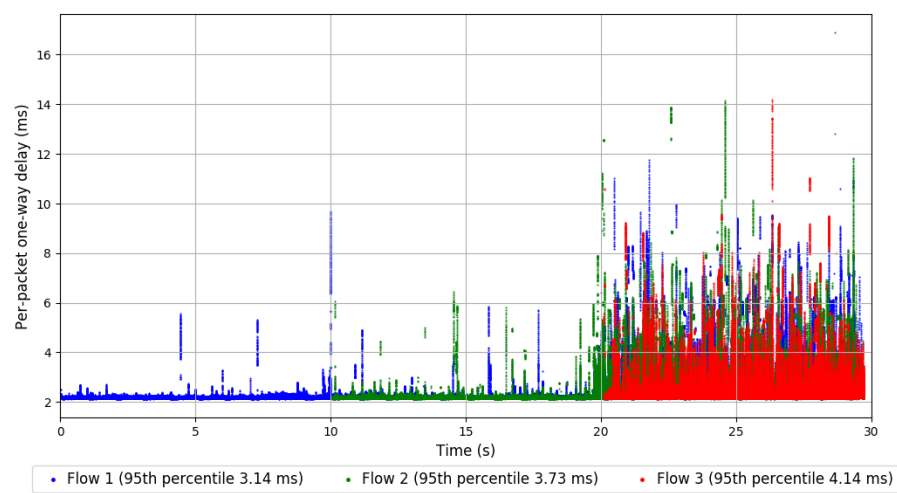
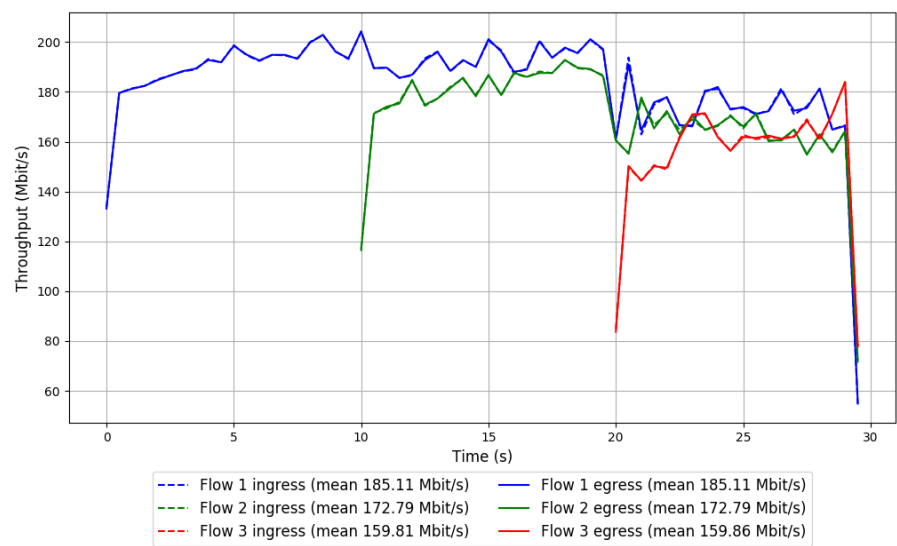


Run 10: Statistics of Indigo

Start at: 2017-12-12 02:14:10  
End at: 2017-12-12 02:14:40  
Local clock offset: -0.652 ms  
Remote clock offset: -0.278 ms

# Below is generated by plot.py at 2017-12-12 05:46:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 351.13 Mbit/s  
95th percentile per-packet one-way delay: 3.552 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 185.11 Mbit/s  
95th percentile per-packet one-way delay: 3.139 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 172.79 Mbit/s  
95th percentile per-packet one-way delay: 3.732 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 159.86 Mbit/s  
95th percentile per-packet one-way delay: 4.136 ms  
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

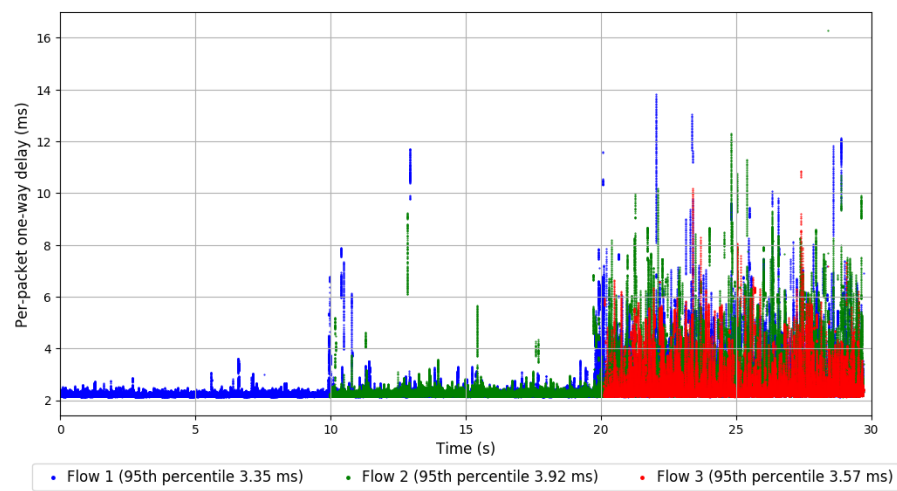
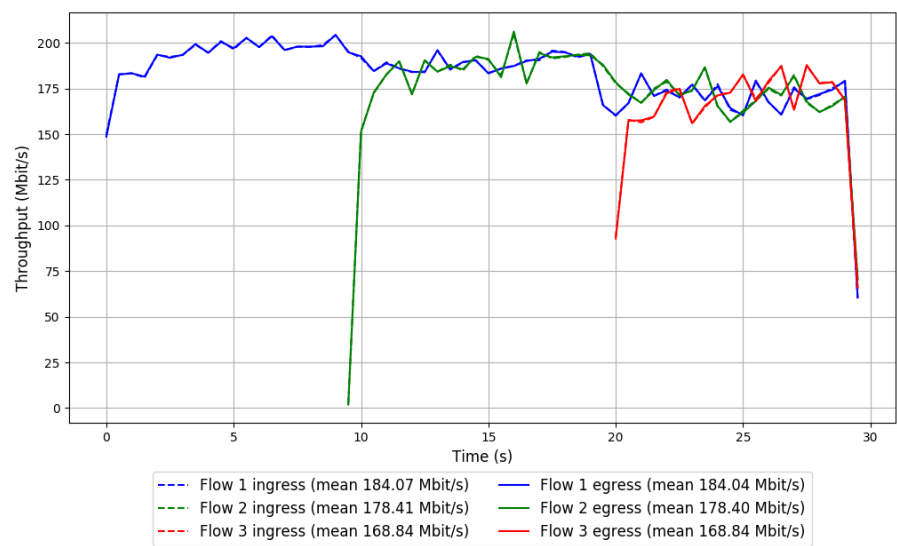


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-11 23:21:41
End at: 2017-12-11 23:22:11
Local clock offset: 0.581 ms
Remote clock offset: 0.649 ms

# Below is generated by plot.py at 2017-12-12 05:47:04
# Datalink statistics
-- Total of 3 flows:
Average throughput: 357.10 Mbit/s
95th percentile per-packet one-way delay: 3.582 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.04 Mbit/s
95th percentile per-packet one-way delay: 3.348 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 178.40 Mbit/s
95th percentile per-packet one-way delay: 3.922 ms
Loss rate: 0.00%
-- Flow 3:
Average throughput: 168.84 Mbit/s
95th percentile per-packet one-way delay: 3.570 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-calib — Data Link

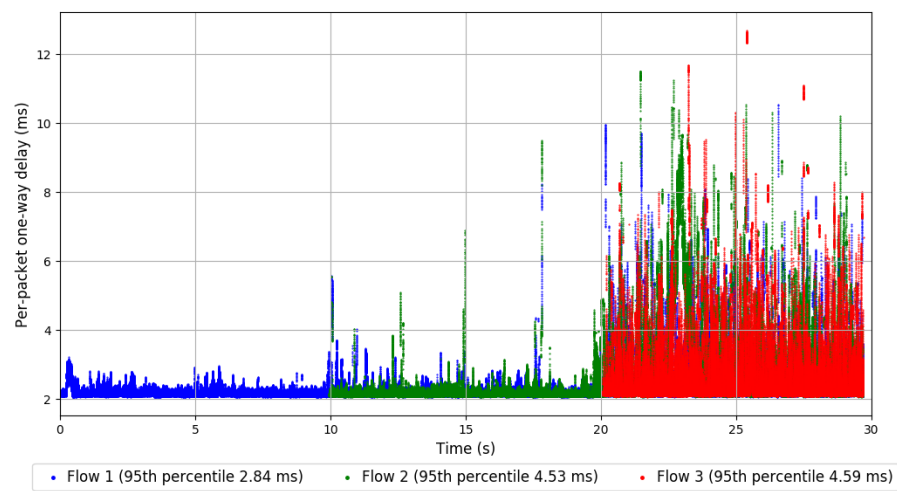
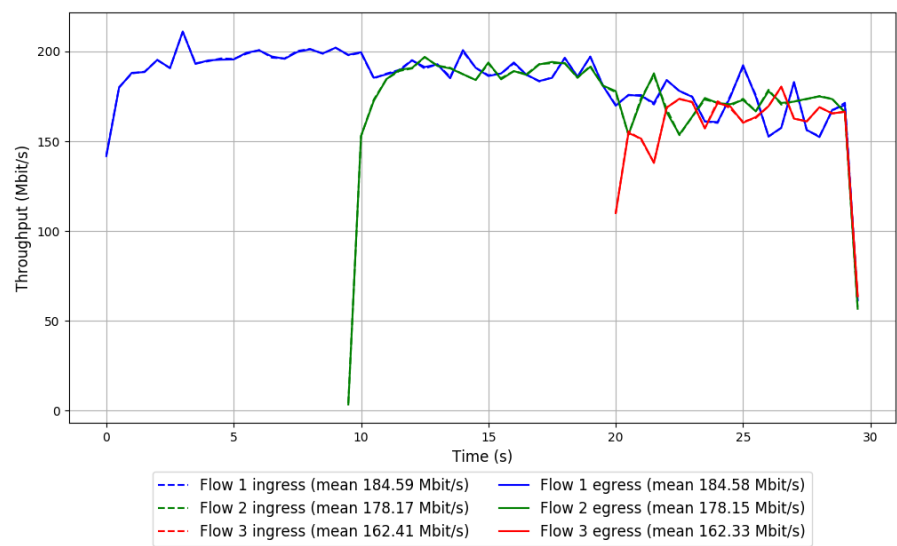


```
Run 2: Statistics of Indigo-calib

Start at: 2017-12-11 23:41:07
End at: 2017-12-11 23:41:37
Local clock offset: 0.508 ms
Remote clock offset: 0.395 ms

# Below is generated by plot.py at 2017-12-12 05:47:06
# Datalink statistics
-- Total of 3 flows:
Average throughput: 355.69 Mbit/s
95th percentile per-packet one-way delay: 3.704 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 184.58 Mbit/s
95th percentile per-packet one-way delay: 2.842 ms
Loss rate: 0.00%
-- Flow 2:
Average throughput: 178.15 Mbit/s
95th percentile per-packet one-way delay: 4.531 ms
Loss rate: 0.01%
-- Flow 3:
Average throughput: 162.33 Mbit/s
95th percentile per-packet one-way delay: 4.586 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo-calib — Data Link



Run 3: Statistics of Indigo-calib

Start at: 2017-12-12 00:00:32

End at: 2017-12-12 00:01:02

Local clock offset: 0.369 ms

Remote clock offset: 0.277 ms

# Below is generated by plot.py at 2017-12-12 05:48:32

# Datalink statistics

-- Total of 3 flows:

Average throughput: 353.96 Mbit/s

95th percentile per-packet one-way delay: 3.848 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 183.23 Mbit/s

95th percentile per-packet one-way delay: 3.458 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 175.71 Mbit/s

95th percentile per-packet one-way delay: 3.926 ms

Loss rate: 0.00%

-- Flow 3:

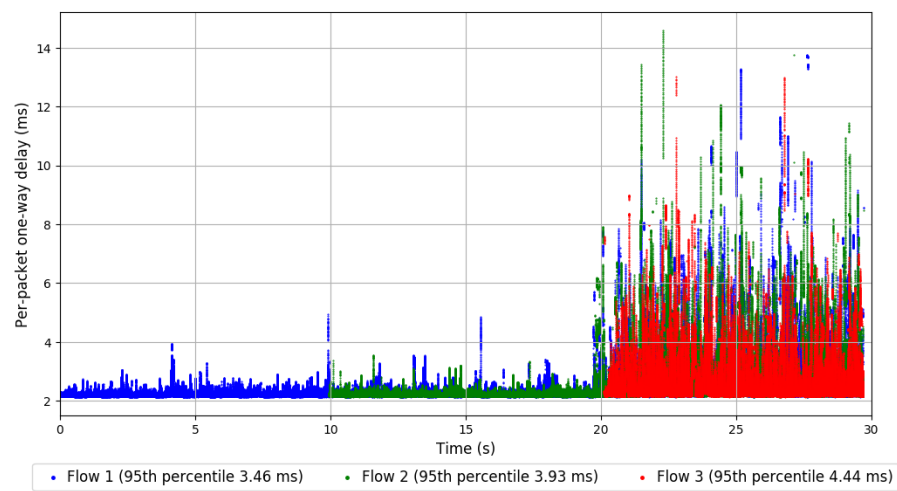
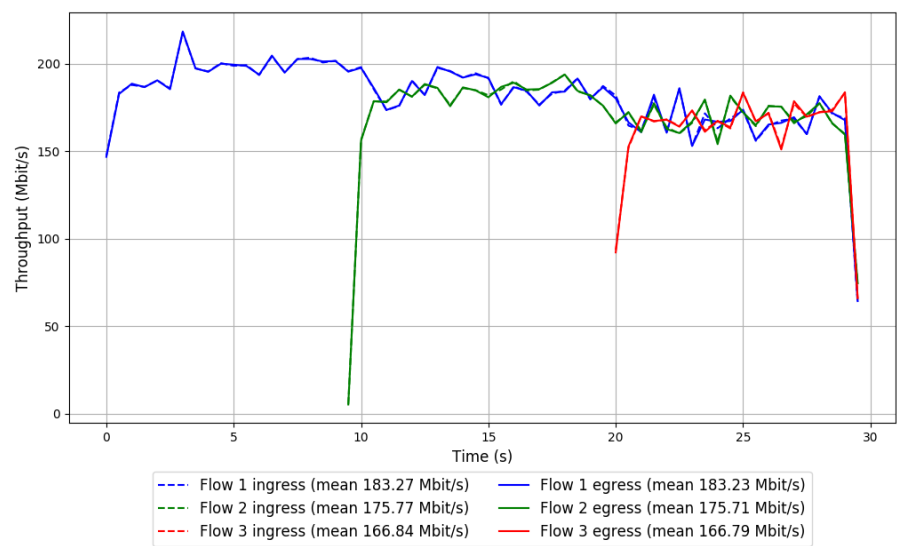
Average throughput: 166.79 Mbit/s

95th percentile per-packet one-way delay: 4.437 ms

Loss rate: 0.00%



Run 3: Report of Indigo-calib — Data Link



Run 4: Statistics of Indigo-calib

Start at: 2017-12-12 00:20:13

End at: 2017-12-12 00:20:43

Local clock offset: 0.253 ms

Remote clock offset: 0.151 ms

# Below is generated by plot.py at 2017-12-12 05:48:34

# Datalink statistics

-- Total of 3 flows:

Average throughput: 341.59 Mbit/s

95th percentile per-packet one-way delay: 3.581 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 177.31 Mbit/s

95th percentile per-packet one-way delay: 3.133 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 169.46 Mbit/s

95th percentile per-packet one-way delay: 3.808 ms

Loss rate: 0.00%

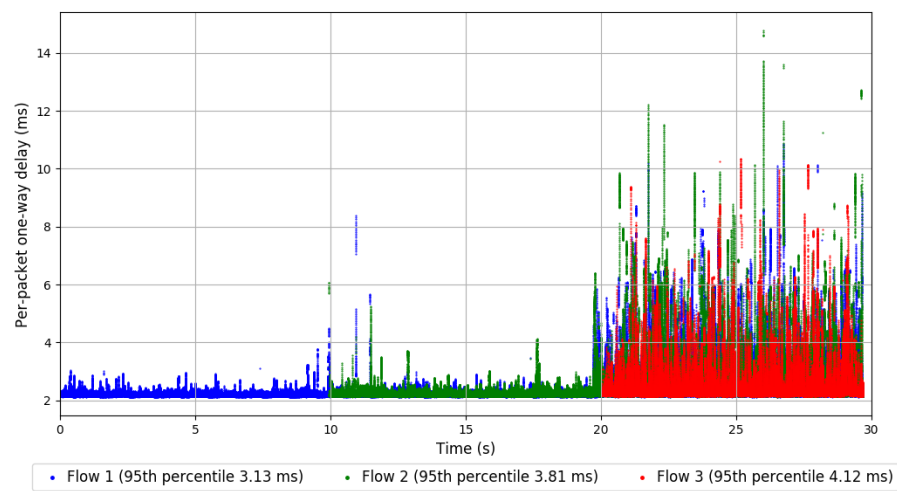
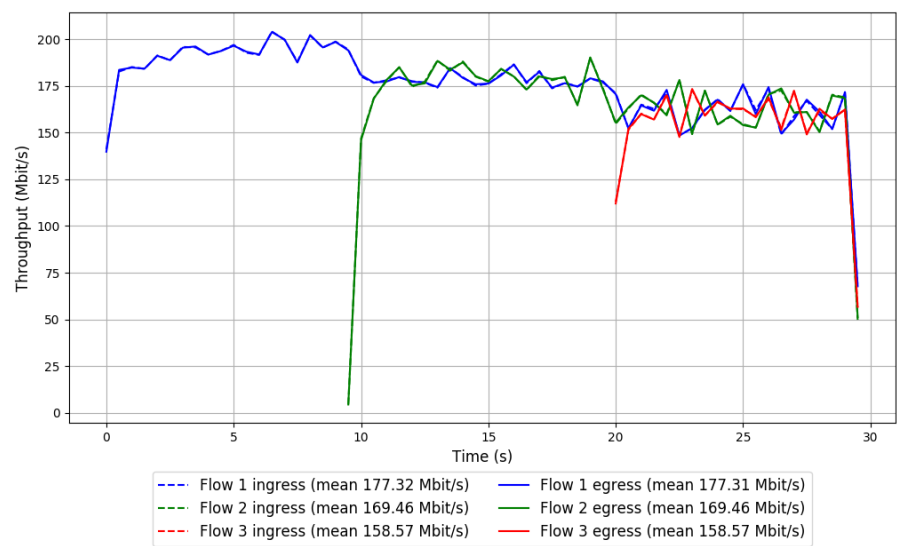
-- Flow 3:

Average throughput: 158.57 Mbit/s

95th percentile per-packet one-way delay: 4.120 ms

Loss rate: 0.00%

Run 4: Report of Indigo-calib — Data Link



Run 5: Statistics of Indigo-calib

Start at: 2017-12-12 00:39:37

End at: 2017-12-12 00:40:07

Local clock offset: 0.123 ms

Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2017-12-12 05:49:05

# Datalink statistics

-- Total of 3 flows:

Average throughput: 354.82 Mbit/s

95th percentile per-packet one-way delay: 3.752 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 183.12 Mbit/s

95th percentile per-packet one-way delay: 3.150 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 177.54 Mbit/s

95th percentile per-packet one-way delay: 3.982 ms

Loss rate: 0.00%

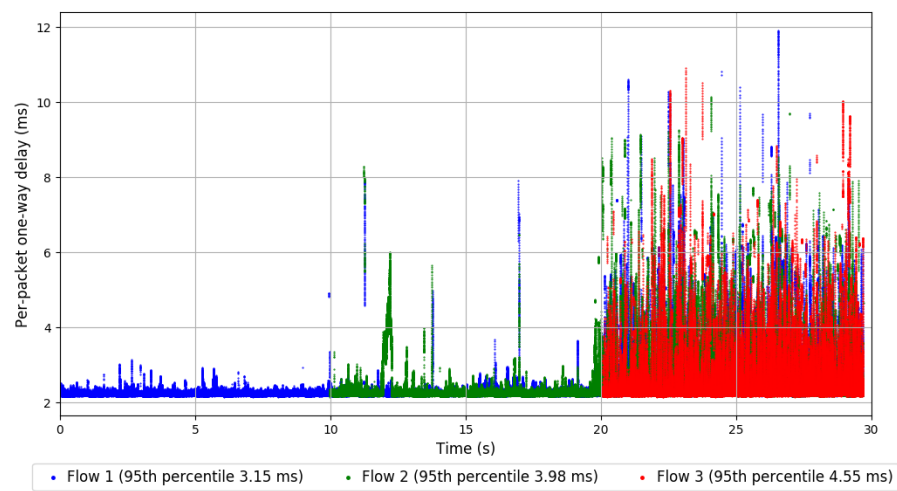
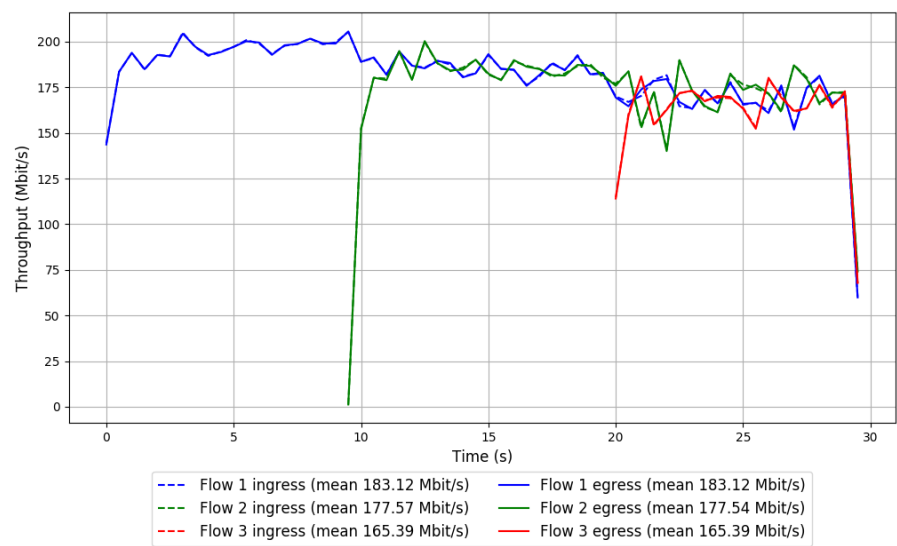
-- Flow 3:

Average throughput: 165.39 Mbit/s

95th percentile per-packet one-way delay: 4.548 ms

Loss rate: 0.00%

Run 5: Report of Indigo-calib — Data Link

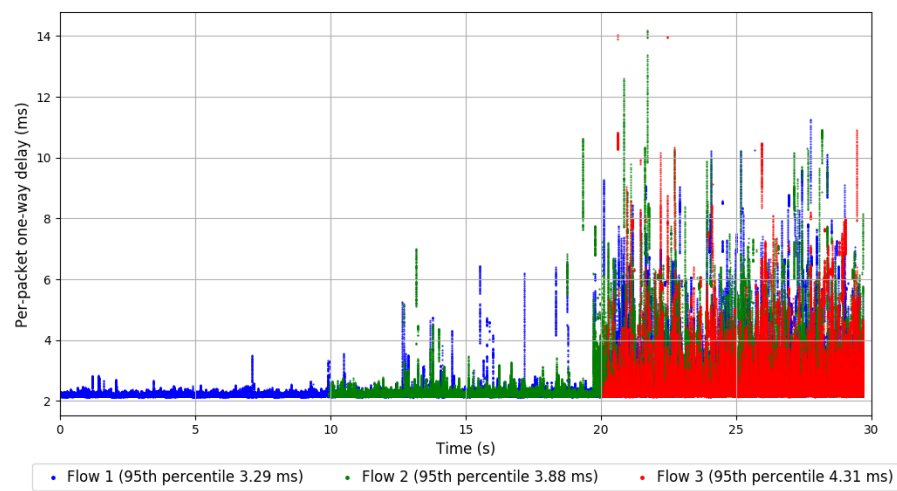
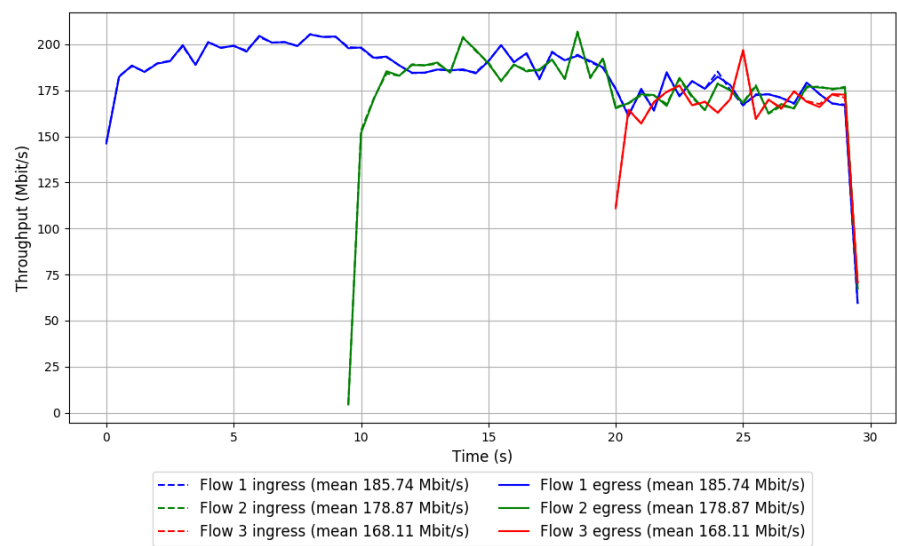


Run 6: Statistics of Indigo-calib

Start at: 2017-12-12 00:59:05  
End at: 2017-12-12 00:59:35  
Local clock offset: 0.201 ms  
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2017-12-12 05:49:49  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 359.19 Mbit/s  
95th percentile per-packet one-way delay: 3.709 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 185.74 Mbit/s  
95th percentile per-packet one-way delay: 3.292 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 178.87 Mbit/s  
95th percentile per-packet one-way delay: 3.876 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 168.11 Mbit/s  
95th percentile per-packet one-way delay: 4.309 ms  
Loss rate: 0.00%

Run 6: Report of Indigo-calib — Data Link



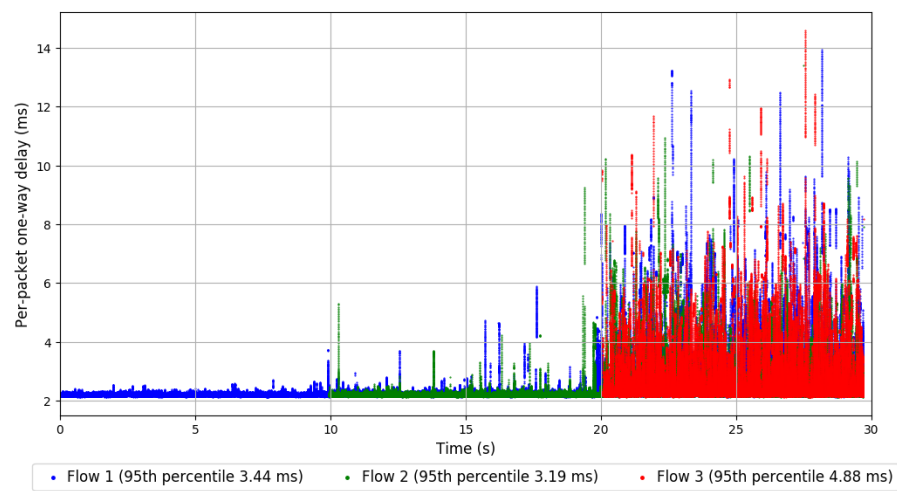
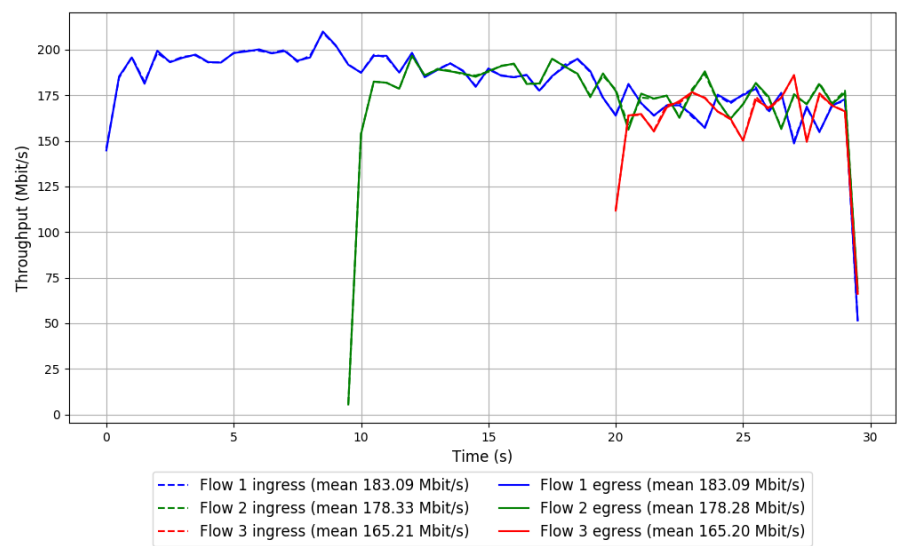
Run 7: Statistics of Indigo-calib

Start at: 2017-12-12 01:18:25  
End at: 2017-12-12 01:18:55  
Local clock offset: -0.078 ms  
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2017-12-12 05:49:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 355.41 Mbit/s  
95th percentile per-packet one-way delay: 3.728 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 183.09 Mbit/s  
95th percentile per-packet one-way delay: 3.437 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 178.28 Mbit/s  
95th percentile per-packet one-way delay: 3.195 ms  
Loss rate: 0.01%  
-- Flow 3:  
Average throughput: 165.20 Mbit/s  
95th percentile per-packet one-way delay: 4.885 ms  
Loss rate: 0.00%



Run 7: Report of Indigo-calib — Data Link

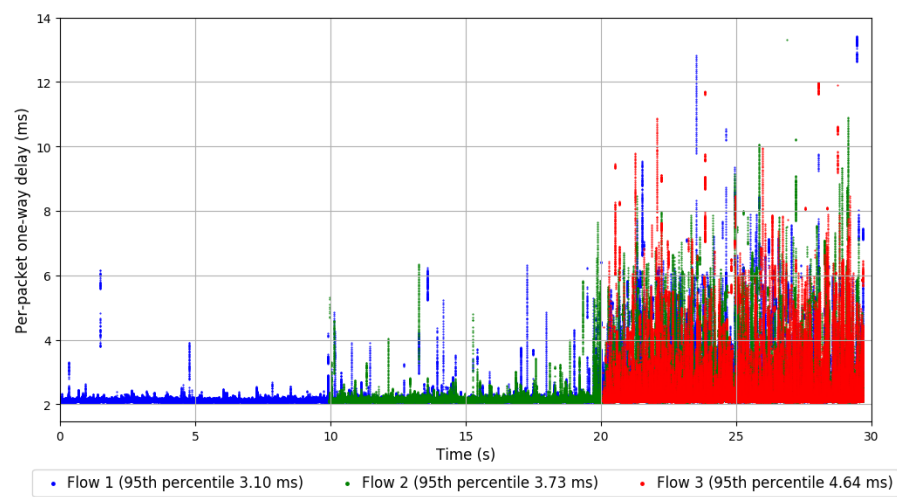
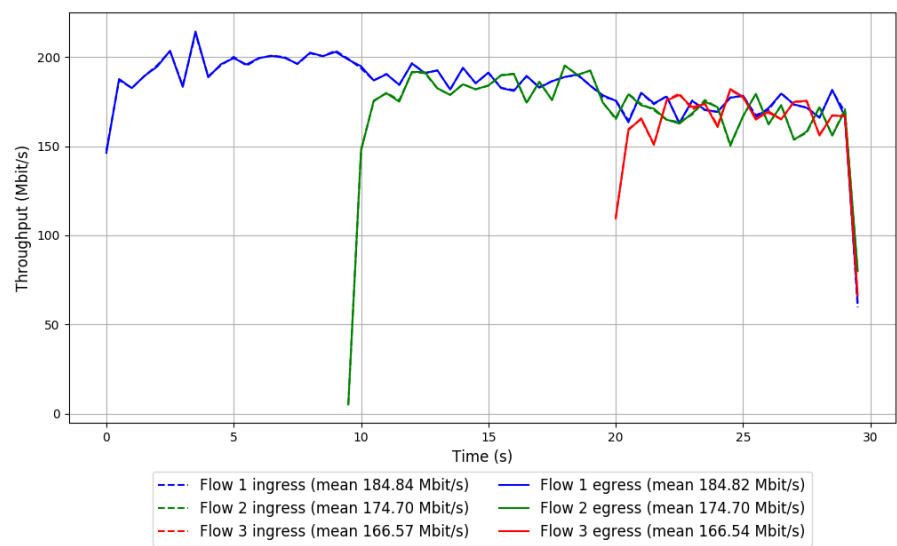


Run 8: Statistics of Indigo-calib

Start at: 2017-12-12 01:37:53  
End at: 2017-12-12 01:38:23  
Local clock offset: -0.312 ms  
Remote clock offset: -0.268 ms

# Below is generated by plot.py at 2017-12-12 05:50:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 355.05 Mbit/s  
95th percentile per-packet one-way delay: 3.620 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 184.82 Mbit/s  
95th percentile per-packet one-way delay: 3.097 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 174.70 Mbit/s  
95th percentile per-packet one-way delay: 3.728 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 166.54 Mbit/s  
95th percentile per-packet one-way delay: 4.642 ms  
Loss rate: 0.02%

Run 8: Report of Indigo-calib — Data Link

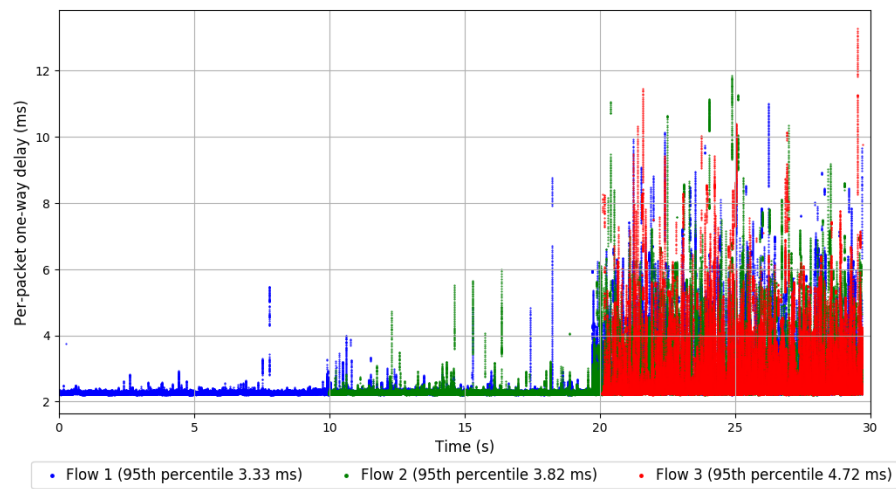
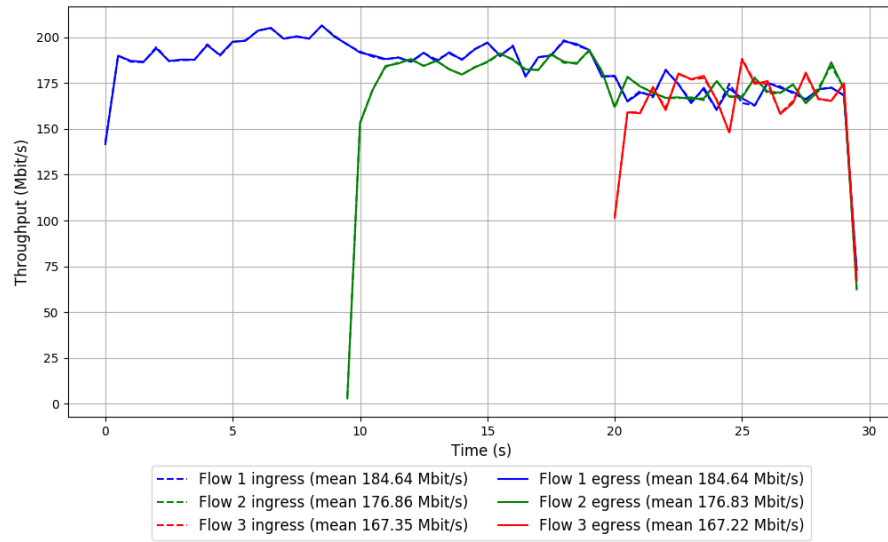


Run 9: Statistics of Indigo-calib

Start at: 2017-12-12 01:57:24  
End at: 2017-12-12 01:57:54  
Local clock offset: -0.515 ms  
Remote clock offset: -0.235 ms

# Below is generated by plot.py at 2017-12-12 05:50:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 356.28 Mbit/s  
95th percentile per-packet one-way delay: 3.798 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 184.64 Mbit/s  
95th percentile per-packet one-way delay: 3.328 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 176.83 Mbit/s  
95th percentile per-packet one-way delay: 3.817 ms  
Loss rate: 0.02%  
-- Flow 3:  
Average throughput: 167.22 Mbit/s  
95th percentile per-packet one-way delay: 4.725 ms  
Loss rate: 0.00%

## Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-12 02:17:01  
End at: 2017-12-12 02:17:32  
Local clock offset: -0.681 ms  
Remote clock offset: -0.291 ms

# Below is generated by plot.py at 2017-12-12 05:50:30  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 356.01 Mbit/s  
95th percentile per-packet one-way delay: 3.631 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 185.55 Mbit/s  
95th percentile per-packet one-way delay: 3.036 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 176.57 Mbit/s  
95th percentile per-packet one-way delay: 3.896 ms  
Loss rate: 0.00%  
-- Flow 3:  
Average throughput: 164.17 Mbit/s  
95th percentile per-packet one-way delay: 4.538 ms  
Loss rate: 0.02%

Run 10: Report of Indigo-calib — Data Link

