

## Pantheon Report

Generated at 2018-02-20 18:02:04 (UTC).

Data path: Colombia Ethernet (*remote*) → AWS Brazil 2 Ethernet (*local*).

Repeated the test of 17 congestion control schemes 10 times.

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

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

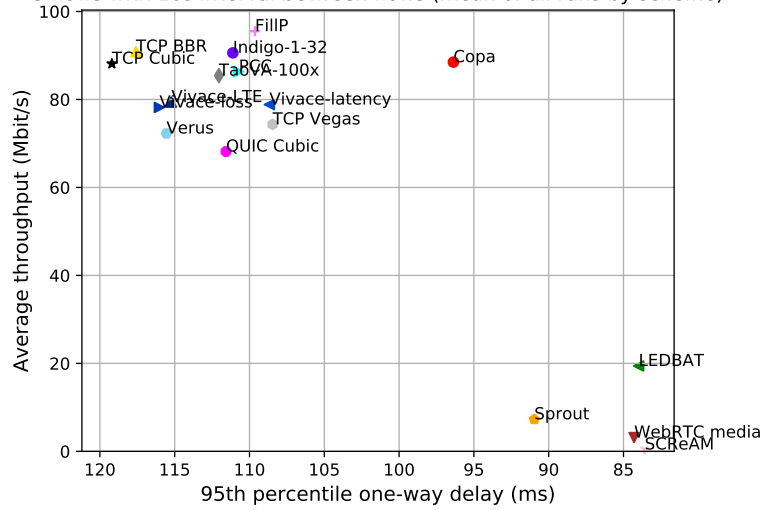
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

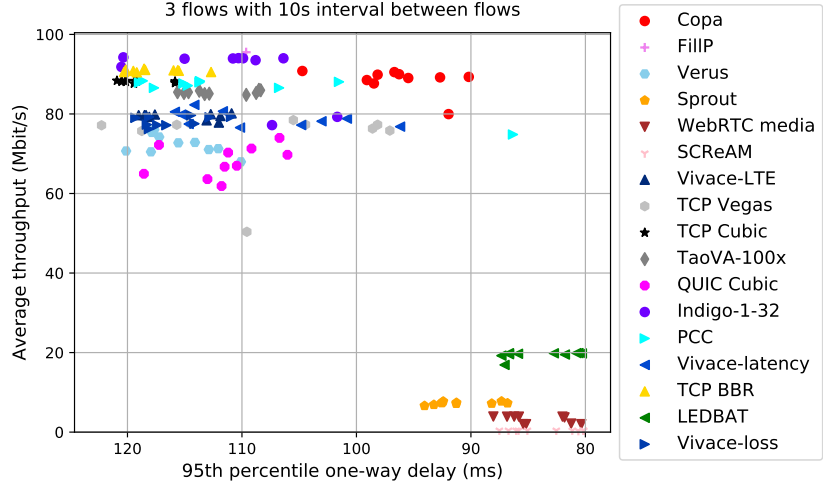
Git summary:

```
branch: master @ f12c42a2c63fdd9a862eefa0468859bf379b6623
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
M datagrump/sender.cc
third_party/fillp @ 828bbf95fd4941149b5cec90f281d1c69ae1a5c6
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecd9c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ 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/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from Colombia Ethernet to AWS Brazil 2 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     | 55.61                  | 38.30  | 30.18  | 116.87                    | 118.05 | 117.95 | 0.41               | 0.98   | 2.63   |
| TCP Cubic      | 10     | 53.03                  | 39.26  | 27.63  | 118.34                    | 119.45 | 119.23 | 0.47               | 1.30   | 3.59   |
| LEDBAT         | 10     | 12.55                  | 8.37   | 4.03   | 83.61                     | 84.01  | 84.79  | 1.10               | 1.69   | 3.44   |
| PCC            | 10     | 59.93                  | 29.27  | 23.27  | 108.93                    | 110.78 | 113.48 | 2.41               | 2.95   | 6.90   |
| QUIC Cubic     | 10     | 39.37                  | 33.91  | 19.43  | 110.96                    | 111.19 | 111.77 | 0.62               | 0.93   | 2.55   |
| SCReAM         | 10     | 0.21                   | 0.22   | 0.22   | 83.25                     | 82.59  | 82.97  | 0.61               | 0.84   | 1.50   |
| WebRTC media   | 10     | 1.29                   | 1.36   | 0.52   | 83.49                     | 83.75  | 83.48  | 0.42               | 0.83   | 2.75   |
| Sprout         | 10     | 3.82                   | 3.69   | 3.12   | 90.77                     | 91.24  | 89.69  | 0.52               | 0.97   | 2.69   |
| TaoVA-100x     | 10     | 50.97                  | 38.09  | 27.94  | 111.19                    | 111.97 | 112.71 | 0.42               | 0.80   | 2.06   |
| TCP Vegas      | 10     | 38.02                  | 44.75  | 20.16  | 107.84                    | 108.54 | 108.19 | 0.58               | 0.79   | 2.04   |
| Verus          | 10     | 38.38                  | 39.44  | 23.75  | 114.86                    | 115.22 | 116.63 | 0.37               | 1.08   | 2.11   |
| Copa           | 10     | 71.62                  | 19.04  | 12.87  | 95.71                     | 96.89  | 97.62  | 1.85               | 1.78   | 2.79   |
| FillP          | 1      | 59.04                  | 39.84  | 30.78  | 108.51                    | 109.89 | 111.00 | 0.41               | 7.69   | 14.74  |
| Indigo-1-32    | 10     | 64.13                  | 29.24  | 22.23  | 110.51                    | 111.53 | 112.50 | 2.80               | 4.84   | 6.40   |
| Vivace-latency | 10     | 57.41                  | 25.23  | 14.45  | 106.82                    | 109.36 | 110.97 | 0.46               | 2.04   | 4.75   |
| Vivace-loss    | 10     | 49.54                  | 30.97  | 24.92  | 115.14                    | 115.78 | 116.19 | 0.56               | 3.38   | 7.07   |
| Vivace-LTE     | 10     | 52.12                  | 30.22  | 22.26  | 113.96                    | 115.81 | 115.90 | 0.68               | 1.18   | 4.50   |

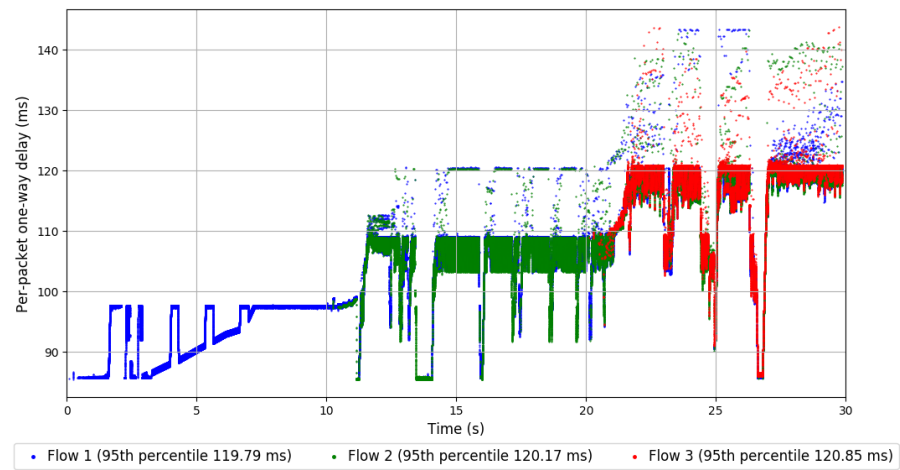
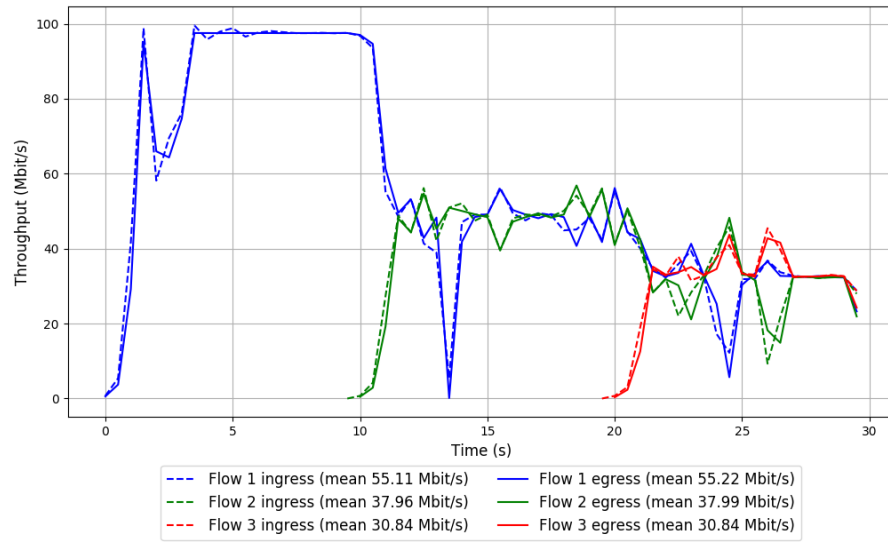
Run 1: Statistics of TCP BBR

Start at: 2018-02-20 09:59:15  
End at: 2018-02-20 09:59:45  
Local clock offset: -14.707 ms  
Remote clock offset: -4.141 ms

# Below is generated by plot.py at 2018-02-20 17:40:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.54 Mbit/s  
95th percentile per-packet one-way delay: 120.302 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 55.22 Mbit/s  
95th percentile per-packet one-way delay: 119.786 ms  
Loss rate: 0.40%  
-- Flow 2:  
Average throughput: 37.99 Mbit/s  
95th percentile per-packet one-way delay: 120.175 ms  
Loss rate: 0.85%  
-- Flow 3:  
Average throughput: 30.84 Mbit/s  
95th percentile per-packet one-way delay: 120.846 ms  
Loss rate: 2.14%



# Run 1: Report of TCP BBR — Data Link

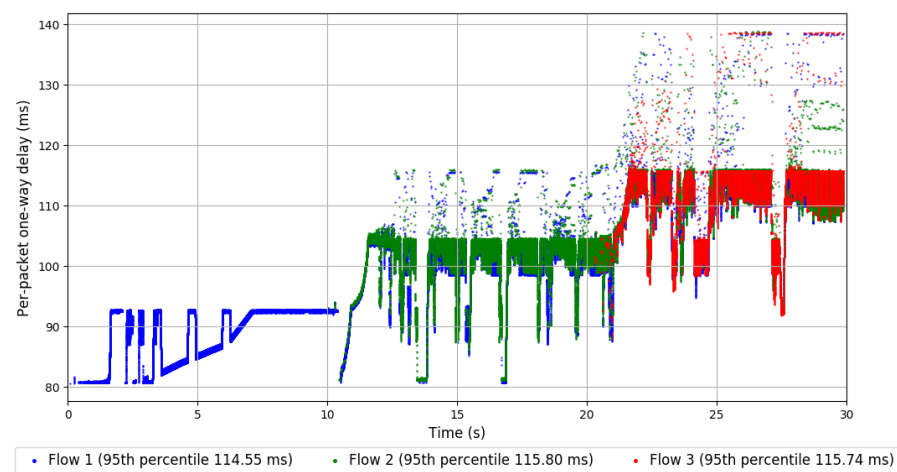
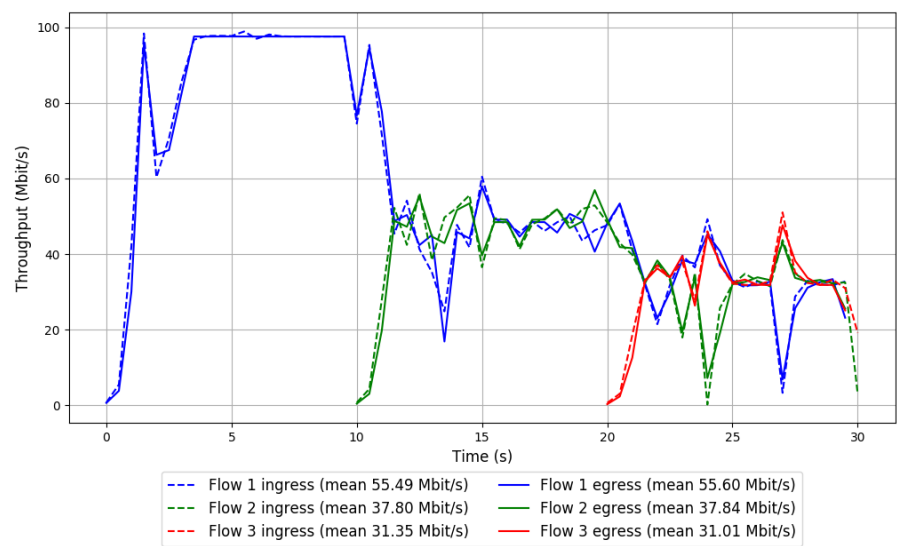


Run 2: Statistics of TCP BBR

Start at: 2018-02-20 10:22:57  
End at: 2018-02-20 10:23:27  
Local clock offset: -14.252 ms  
Remote clock offset: 0.342 ms

# Below is generated by plot.py at 2018-02-20 17:40:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.85 Mbit/s  
95th percentile per-packet one-way delay: 115.517 ms  
Loss rate: 1.20%  
-- Flow 1:  
Average throughput: 55.60 Mbit/s  
95th percentile per-packet one-way delay: 114.552 ms  
Loss rate: 0.46%  
-- Flow 2:  
Average throughput: 37.84 Mbit/s  
95th percentile per-packet one-way delay: 115.799 ms  
Loss rate: 1.14%  
-- Flow 3:  
Average throughput: 31.01 Mbit/s  
95th percentile per-packet one-way delay: 115.742 ms  
Loss rate: 5.20%

Run 2: Report of TCP BBR — Data Link

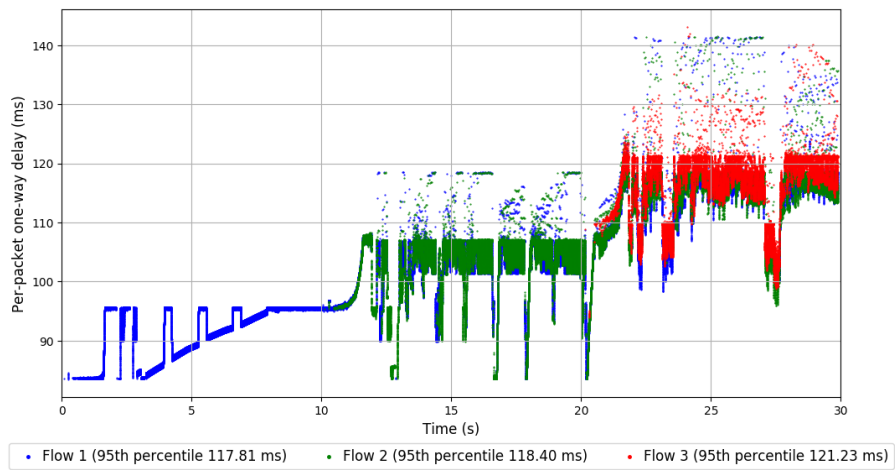
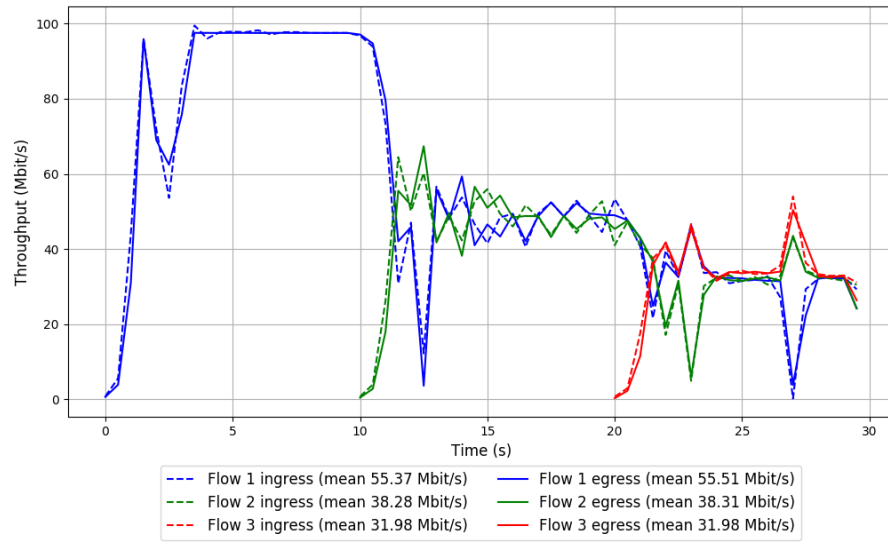


Run 3: Statistics of TCP BBR

Start at: 2018-02-20 10:46:26  
End at: 2018-02-20 10:46:56  
Local clock offset: -14.567 ms  
Remote clock offset: -3.627 ms

# Below is generated by plot.py at 2018-02-20 17:40:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.39 Mbit/s  
95th percentile per-packet one-way delay: 118.547 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 55.51 Mbit/s  
95th percentile per-packet one-way delay: 117.814 ms  
Loss rate: 0.37%  
-- Flow 2:  
Average throughput: 38.31 Mbit/s  
95th percentile per-packet one-way delay: 118.403 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 31.98 Mbit/s  
95th percentile per-packet one-way delay: 121.235 ms  
Loss rate: 2.11%

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

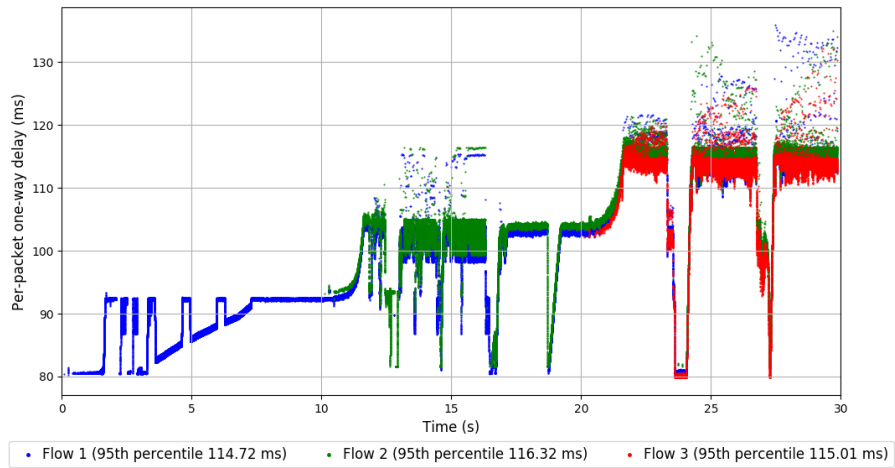
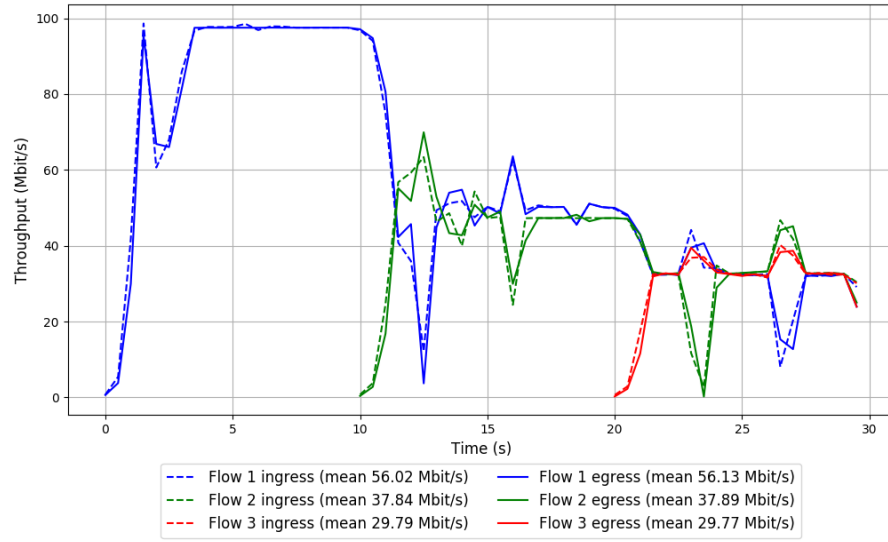


Run 4: Statistics of TCP BBR

Start at: 2018-02-20 11:09:57  
End at: 2018-02-20 11:10:27  
Local clock offset: -14.134 ms  
Remote clock offset: 1.191 ms

# Below is generated by plot.py at 2018-02-20 17:40:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.01 Mbit/s  
95th percentile per-packet one-way delay: 115.602 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 56.13 Mbit/s  
95th percentile per-packet one-way delay: 114.725 ms  
Loss rate: 0.39%  
-- Flow 2:  
Average throughput: 37.89 Mbit/s  
95th percentile per-packet one-way delay: 116.317 ms  
Loss rate: 0.89%  
-- Flow 3:  
Average throughput: 29.77 Mbit/s  
95th percentile per-packet one-way delay: 115.014 ms  
Loss rate: 2.18%

# Run 4: Report of TCP BBR — Data Link



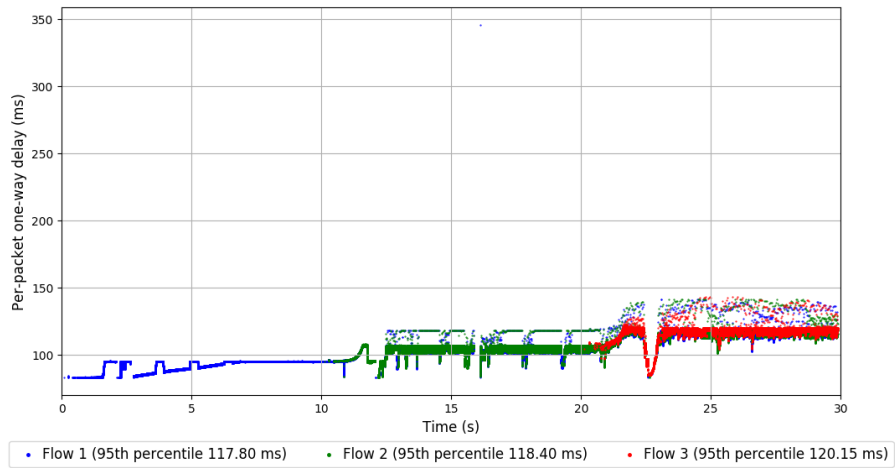
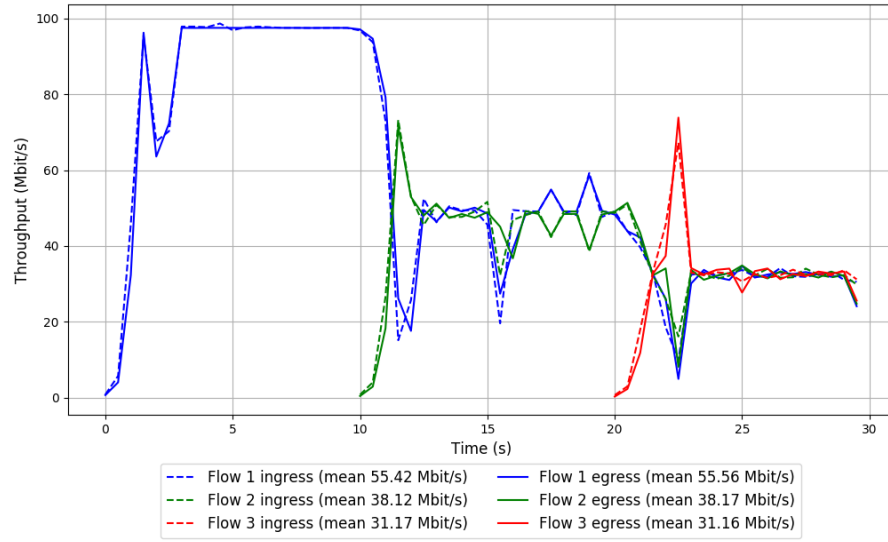
Run 5: Statistics of TCP BBR

Start at: 2018-02-20 11:33:25  
End at: 2018-02-20 11:33:55  
Local clock offset: -14.011 ms  
Remote clock offset: -3.622 ms

# Below is generated by plot.py at 2018-02-20 17:40:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.07 Mbit/s  
95th percentile per-packet one-way delay: 118.453 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 55.56 Mbit/s  
95th percentile per-packet one-way delay: 117.797 ms  
Loss rate: 0.40%  
-- Flow 2:  
Average throughput: 38.17 Mbit/s  
95th percentile per-packet one-way delay: 118.396 ms  
Loss rate: 0.83%  
-- Flow 3:  
Average throughput: 31.16 Mbit/s  
95th percentile per-packet one-way delay: 120.146 ms  
Loss rate: 2.11%



# Run 5: Report of TCP BBR — Data Link

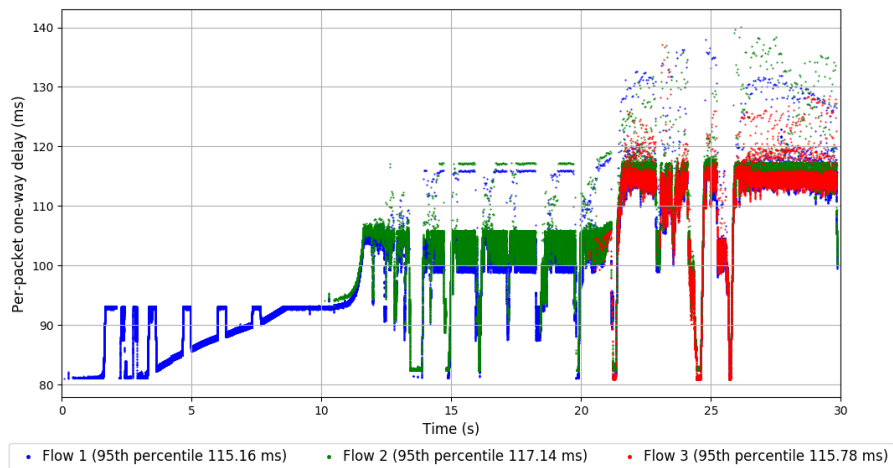
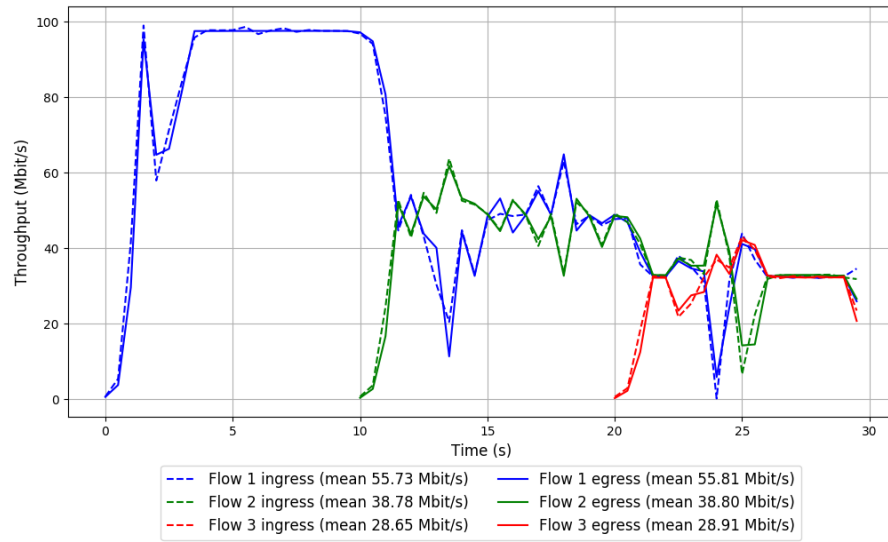


Run 6: Statistics of TCP BBR

Start at: 2018-02-20 11:56:58  
End at: 2018-02-20 11:57:28  
Local clock offset: -14.845 ms  
Remote clock offset: 0.53 ms

# Below is generated by plot.py at 2018-02-20 17:40:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.96 Mbit/s  
95th percentile per-packet one-way delay: 115.977 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 55.81 Mbit/s  
95th percentile per-packet one-way delay: 115.161 ms  
Loss rate: 0.46%  
-- Flow 2:  
Average throughput: 38.80 Mbit/s  
95th percentile per-packet one-way delay: 117.135 ms  
Loss rate: 0.86%  
-- Flow 3:  
Average throughput: 28.91 Mbit/s  
95th percentile per-packet one-way delay: 115.776 ms  
Loss rate: 1.75%

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

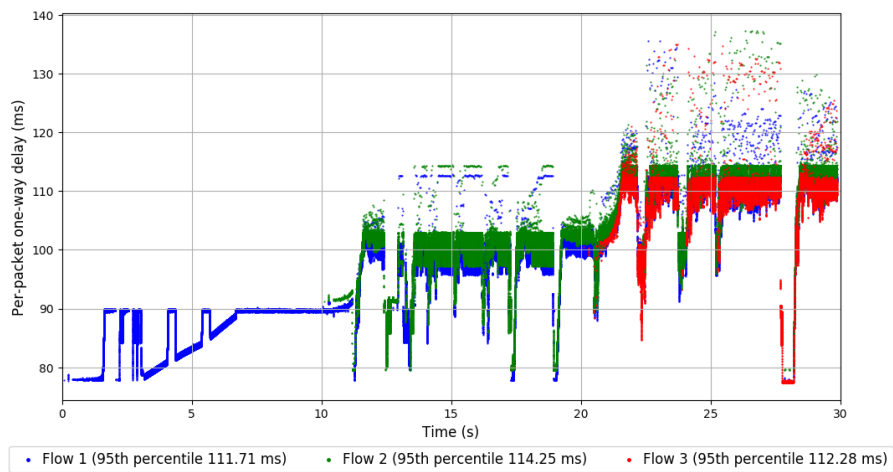
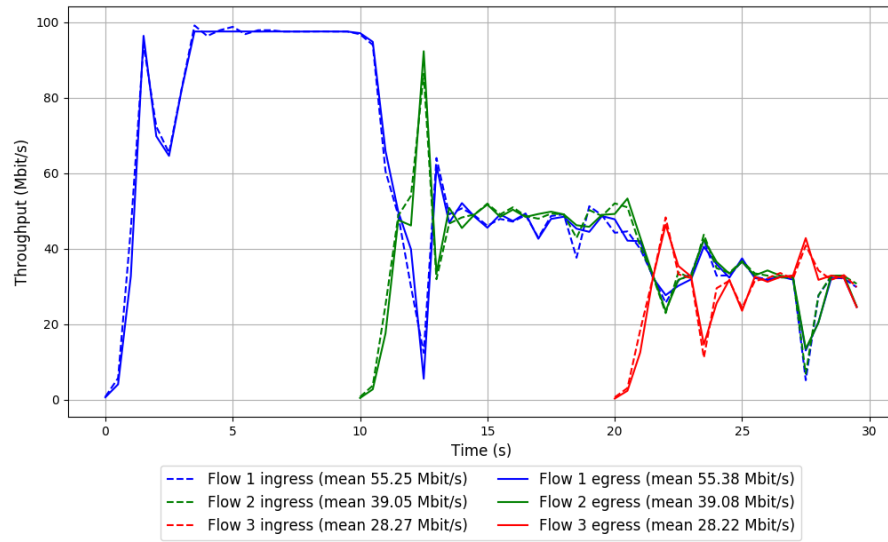


Run 7: Statistics of TCP BBR

Start at: 2018-02-20 12:20:31  
End at: 2018-02-20 12:21:01  
Local clock offset: -11.601 ms  
Remote clock offset: 2.507 ms

# Below is generated by plot.py at 2018-02-20 17:40:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.54 Mbit/s  
95th percentile per-packet one-way delay: 112.698 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 55.38 Mbit/s  
95th percentile per-packet one-way delay: 111.713 ms  
Loss rate: 0.38%  
-- Flow 2:  
Average throughput: 39.08 Mbit/s  
95th percentile per-packet one-way delay: 114.254 ms  
Loss rate: 0.85%  
-- Flow 3:  
Average throughput: 28.22 Mbit/s  
95th percentile per-packet one-way delay: 112.284 ms  
Loss rate: 2.27%

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

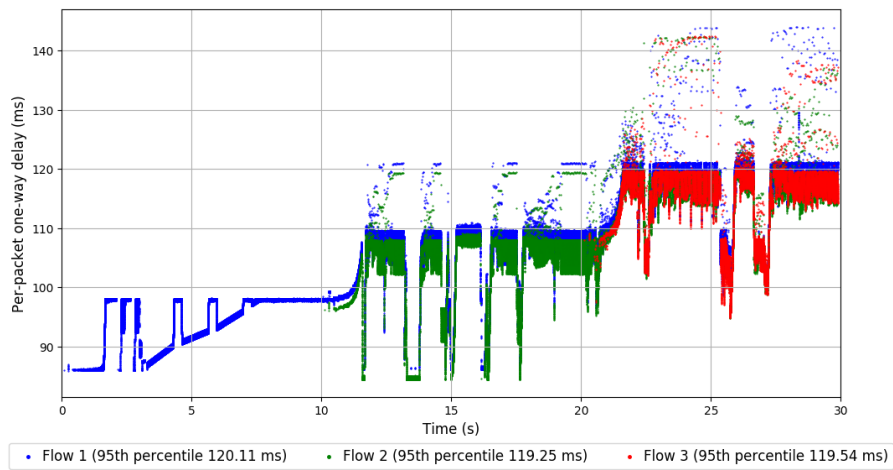
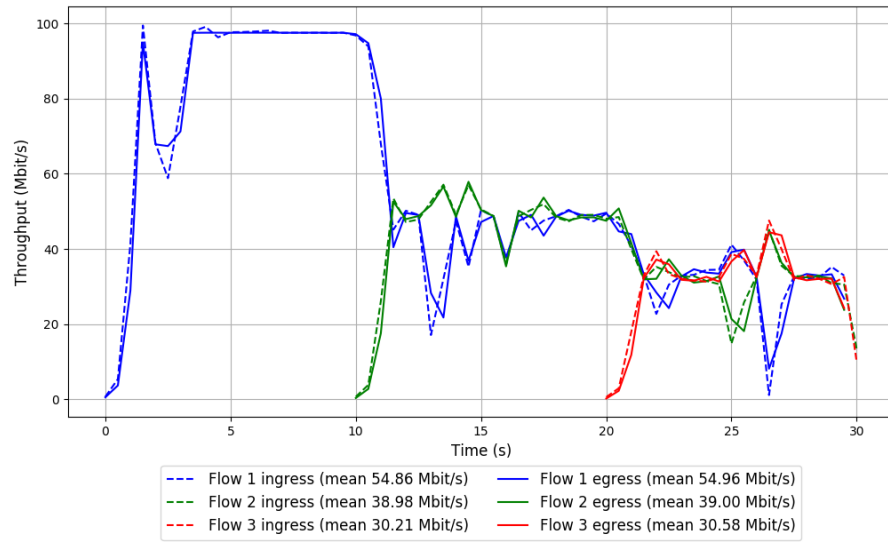


Run 8: Statistics of TCP BBR

Start at: 2018-02-20 12:44:09  
End at: 2018-02-20 12:44:39  
Local clock offset: -12.513 ms  
Remote clock offset: -4.136 ms

# Below is generated by plot.py at 2018-02-20 17:40:59  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.83 Mbit/s  
95th percentile per-packet one-way delay: 119.488 ms  
Loss rate: 1.22%  
-- Flow 1:  
Average throughput: 54.96 Mbit/s  
95th percentile per-packet one-way delay: 120.108 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 39.00 Mbit/s  
95th percentile per-packet one-way delay: 119.249 ms  
Loss rate: 1.73%  
-- Flow 3:  
Average throughput: 30.58 Mbit/s  
95th percentile per-packet one-way delay: 119.537 ms  
Loss rate: 4.01%

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



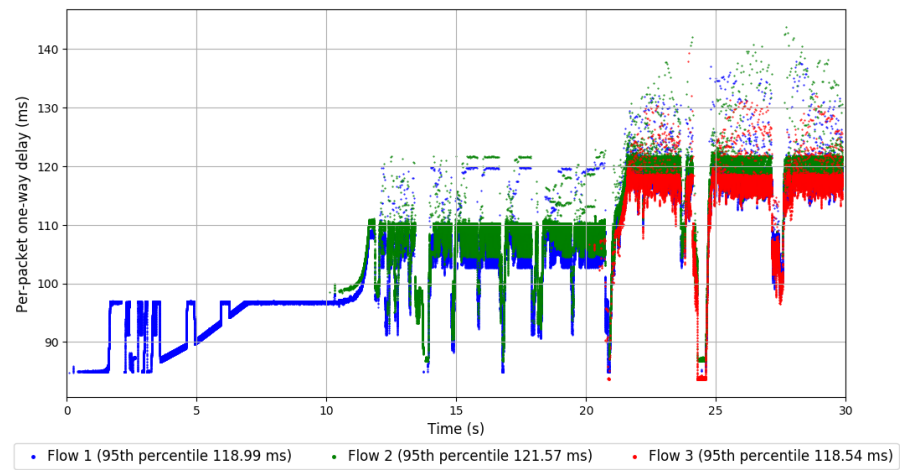
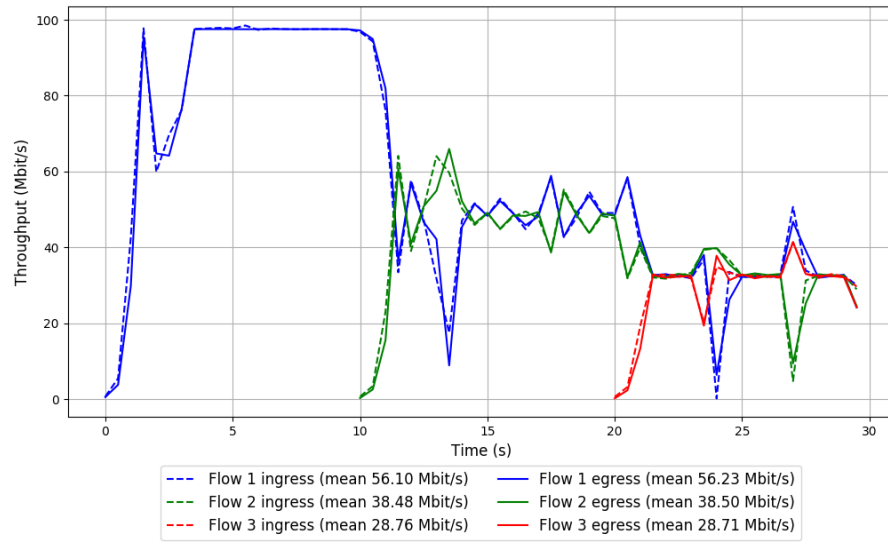
Run 9: Statistics of TCP BBR

Start at: 2018-02-20 13:07:45  
End at: 2018-02-20 13:08:15  
Local clock offset: -15.946 ms  
Remote clock offset: -3.294 ms

# Below is generated by plot.py at 2018-02-20 17:42:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.16 Mbit/s  
95th percentile per-packet one-way delay: 120.160 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 56.23 Mbit/s  
95th percentile per-packet one-way delay: 118.989 ms  
Loss rate: 0.39%  
-- Flow 2:  
Average throughput: 38.50 Mbit/s  
95th percentile per-packet one-way delay: 121.574 ms  
Loss rate: 0.85%  
-- Flow 3:  
Average throughput: 28.71 Mbit/s  
95th percentile per-packet one-way delay: 118.543 ms  
Loss rate: 2.31%



# Run 9: Report of TCP BBR — Data Link

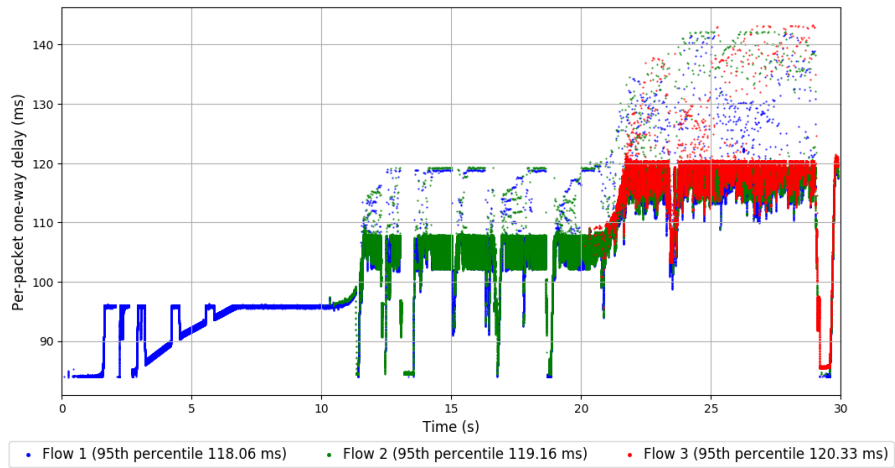
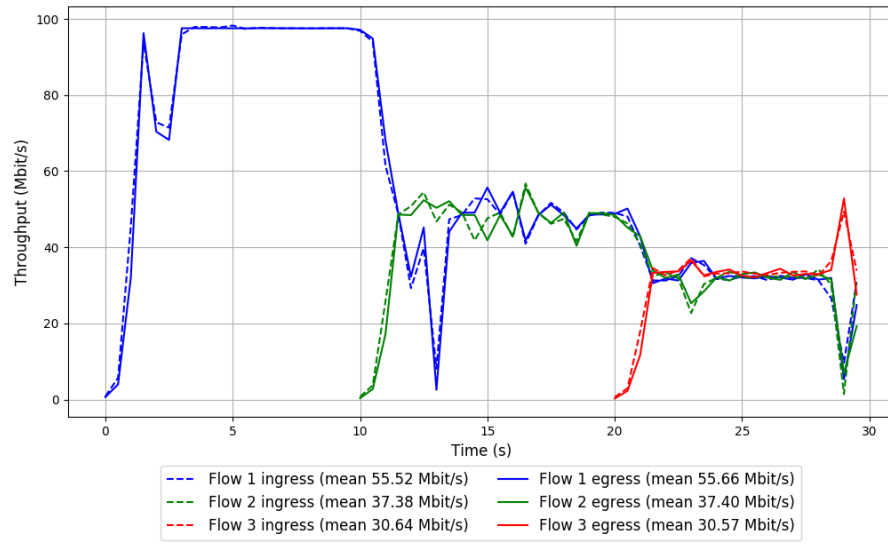


Run 10: Statistics of TCP BBR

Start at: 2018-02-20 13:31:18  
End at: 2018-02-20 13:31:48  
Local clock offset: -11.961 ms  
Remote clock offset: -4.05 ms

# Below is generated by plot.py at 2018-02-20 17:42:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.47 Mbit/s  
95th percentile per-packet one-way delay: 119.190 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 55.66 Mbit/s  
95th percentile per-packet one-way delay: 118.064 ms  
Loss rate: 0.35%  
-- Flow 2:  
Average throughput: 37.40 Mbit/s  
95th percentile per-packet one-way delay: 119.161 ms  
Loss rate: 0.92%  
-- Flow 3:  
Average throughput: 30.57 Mbit/s  
95th percentile per-packet one-way delay: 120.335 ms  
Loss rate: 2.25%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-02-20 09:47:27

End at: 2018-02-20 09:47:57

Local clock offset: -15.91 ms

Remote clock offset: 0.495 ms

# Below is generated by plot.py at 2018-02-20 17:42:18

# Datalink statistics

-- Total of 3 flows:

Average throughput: 87.78 Mbit/s

95th percentile per-packet one-way delay: 115.843 ms

Loss rate: 1.11%

-- Flow 1:

Average throughput: 52.69 Mbit/s

95th percentile per-packet one-way delay: 116.818 ms

Loss rate: 0.48%

-- Flow 2:

Average throughput: 38.81 Mbit/s

95th percentile per-packet one-way delay: 115.805 ms

Loss rate: 1.42%

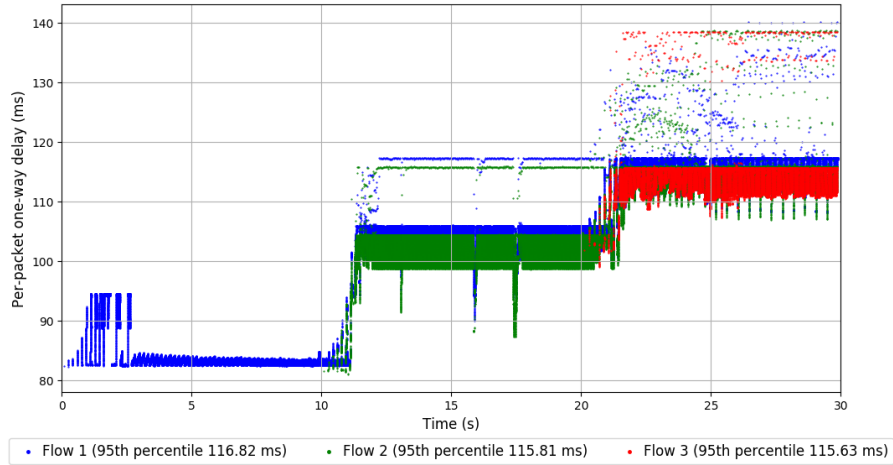
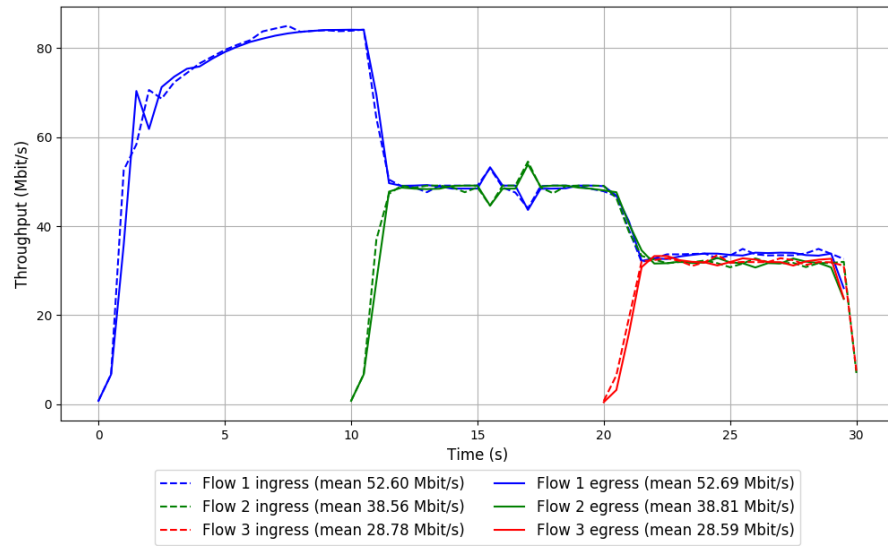
-- Flow 3:

Average throughput: 28.59 Mbit/s

95th percentile per-packet one-way delay: 115.627 ms

Loss rate: 3.72%

# Run 1: Report of TCP Cubic — Data Link

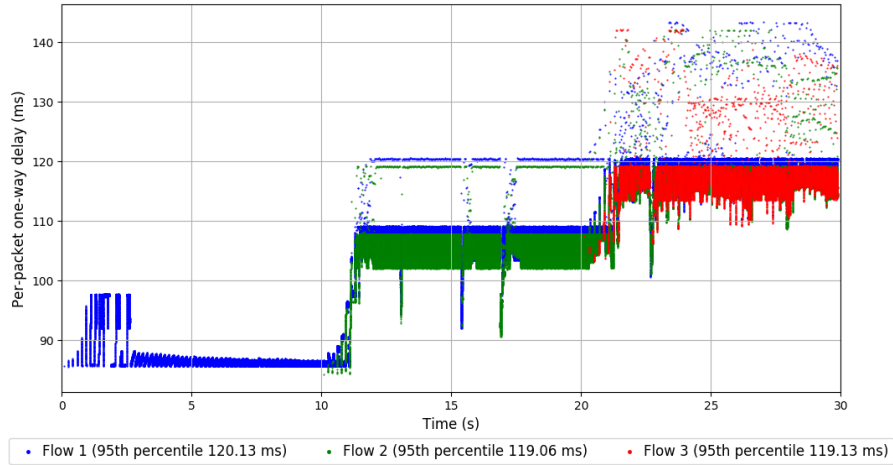
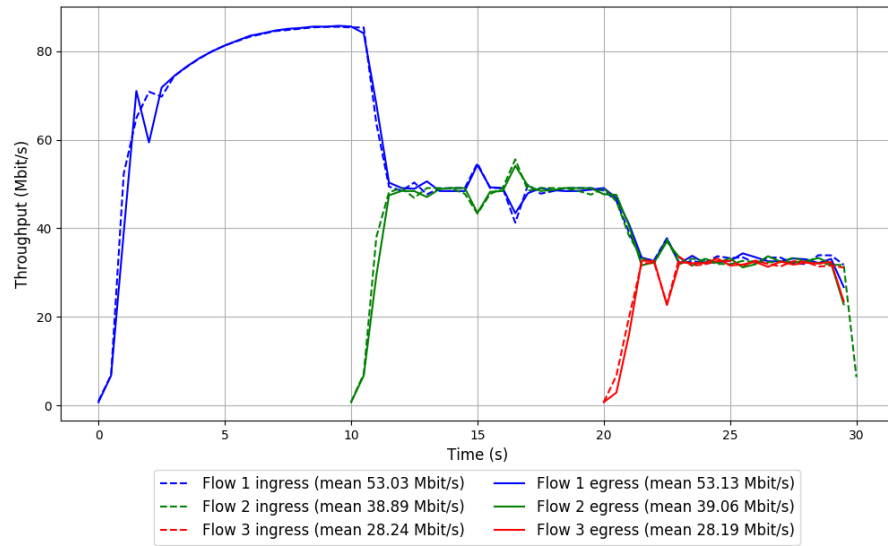


Run 2: Statistics of TCP Cubic

Start at: 2018-02-20 10:11:00  
End at: 2018-02-20 10:11:30  
Local clock offset: -14.405 ms  
Remote clock offset: -4.099 ms

# Below is generated by plot.py at 2018-02-20 17:42:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.29 Mbit/s  
95th percentile per-packet one-way delay: 119.394 ms  
Loss rate: 0.95%  
-- Flow 1:  
Average throughput: 53.13 Mbit/s  
95th percentile per-packet one-way delay: 120.129 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 39.06 Mbit/s  
95th percentile per-packet one-way delay: 119.065 ms  
Loss rate: 1.40%  
-- Flow 3:  
Average throughput: 28.19 Mbit/s  
95th percentile per-packet one-way delay: 119.129 ms  
Loss rate: 2.56%

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



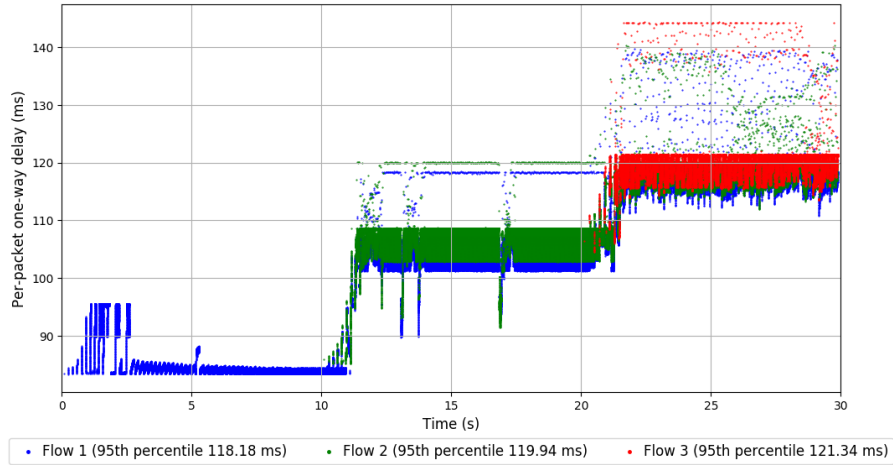
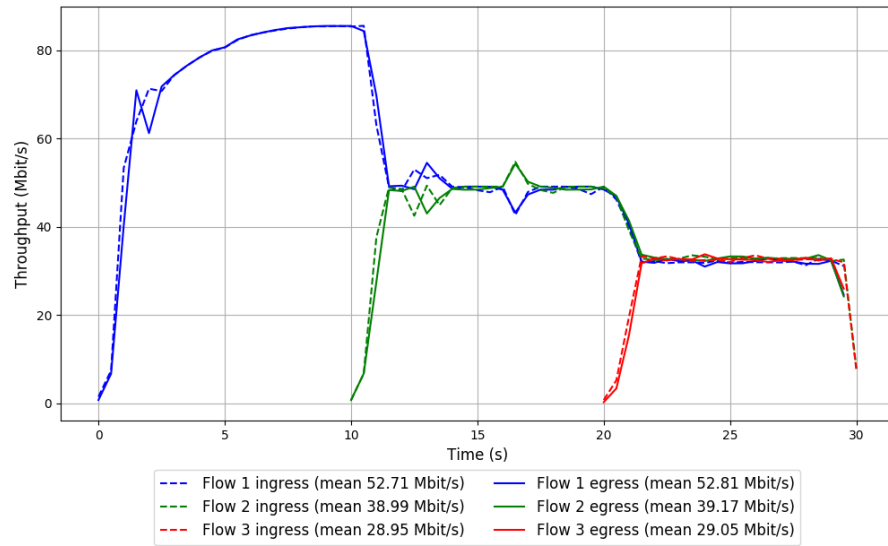
Run 3: Statistics of TCP Cubic

Start at: 2018-02-20 10:34:40  
End at: 2018-02-20 10:35:11  
Local clock offset: -14.503 ms  
Remote clock offset: -3.533 ms

# Below is generated by plot.py at 2018-02-20 17:42:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.31 Mbit/s  
95th percentile per-packet one-way delay: 120.206 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 52.81 Mbit/s  
95th percentile per-packet one-way delay: 118.181 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 39.17 Mbit/s  
95th percentile per-packet one-way delay: 119.942 ms  
Loss rate: 1.49%  
-- Flow 3:  
Average throughput: 29.05 Mbit/s  
95th percentile per-packet one-way delay: 121.337 ms  
Loss rate: 3.71%



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

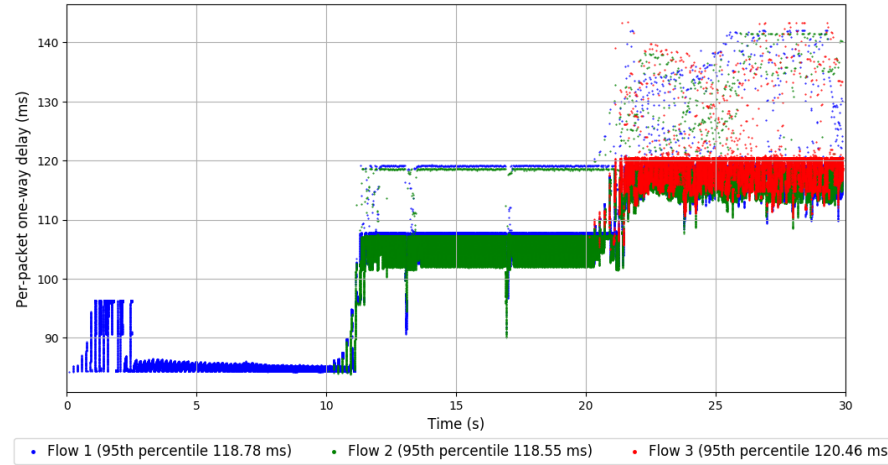
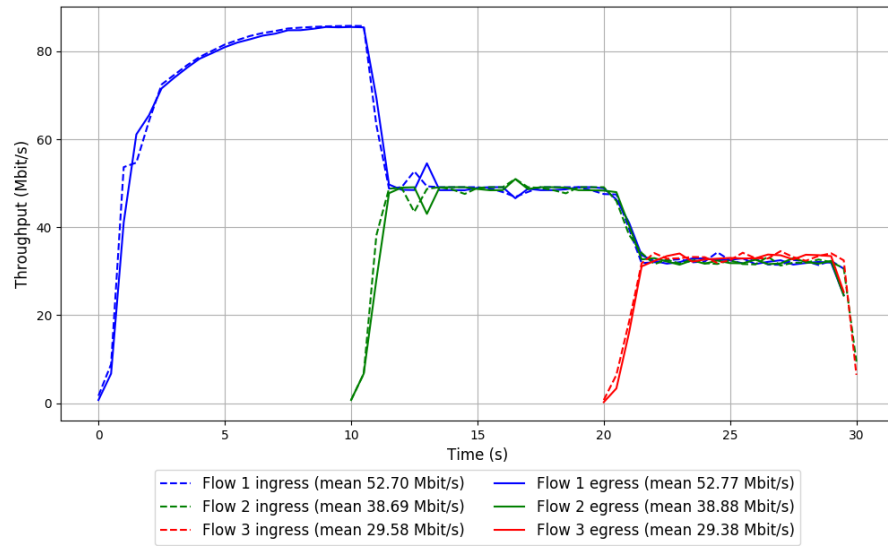


Run 4: Statistics of TCP Cubic

Start at: 2018-02-20 10:58:10  
End at: 2018-02-20 10:58:40  
Local clock offset: -14.535 ms  
Remote clock offset: -4.412 ms

# Below is generated by plot.py at 2018-02-20 17:42:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.17 Mbit/s  
95th percentile per-packet one-way delay: 119.182 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 52.77 Mbit/s  
95th percentile per-packet one-way delay: 118.778 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 38.88 Mbit/s  
95th percentile per-packet one-way delay: 118.545 ms  
Loss rate: 1.48%  
-- Flow 3:  
Average throughput: 29.38 Mbit/s  
95th percentile per-packet one-way delay: 120.459 ms  
Loss rate: 3.63%

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

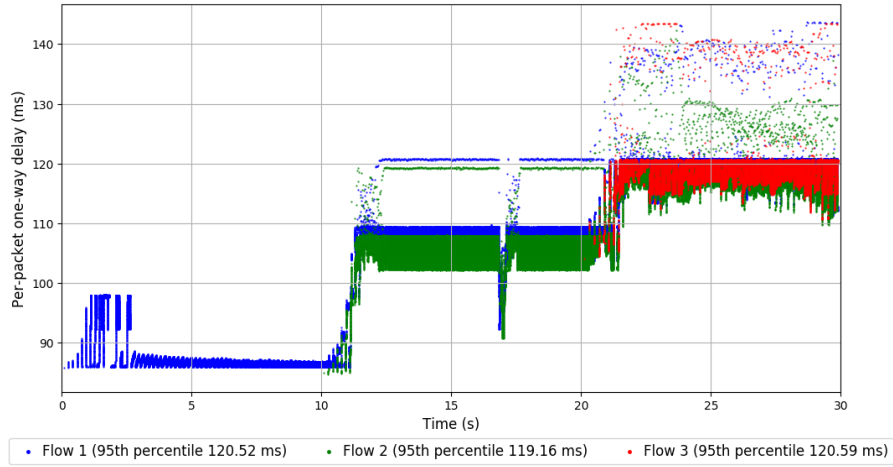
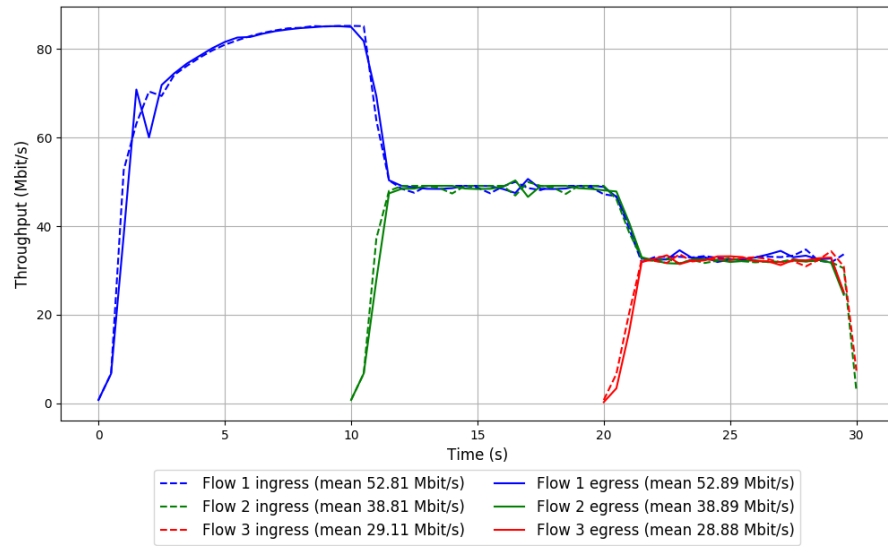


Run 5: Statistics of TCP Cubic

Start at: 2018-02-20 11:21:38  
End at: 2018-02-20 11:22:08  
Local clock offset: -13.911 ms  
Remote clock offset: -4.504 ms

# Below is generated by plot.py at 2018-02-20 17:42:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.16 Mbit/s  
95th percentile per-packet one-way delay: 120.498 ms  
Loss rate: 1.02%  
-- Flow 1:  
Average throughput: 52.89 Mbit/s  
95th percentile per-packet one-way delay: 120.524 ms  
Loss rate: 0.51%  
-- Flow 2:  
Average throughput: 38.89 Mbit/s  
95th percentile per-packet one-way delay: 119.162 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 28.88 Mbit/s  
95th percentile per-packet one-way delay: 120.587 ms  
Loss rate: 3.64%

# Run 5: Report of TCP Cubic — Data Link

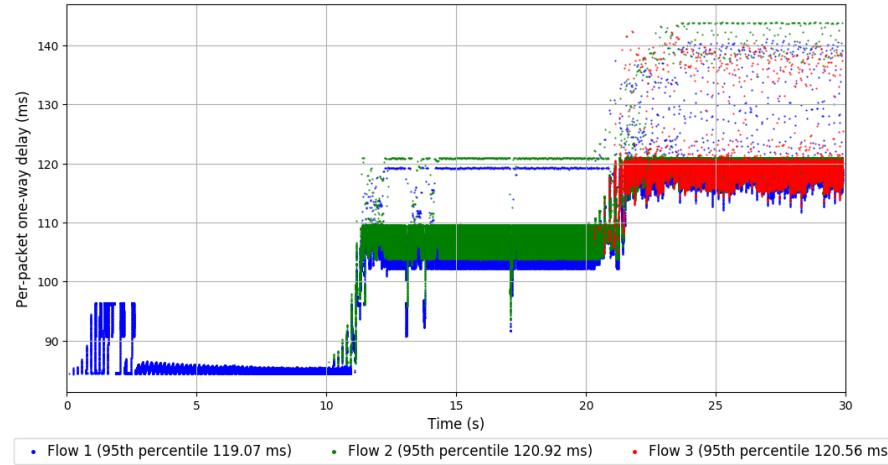
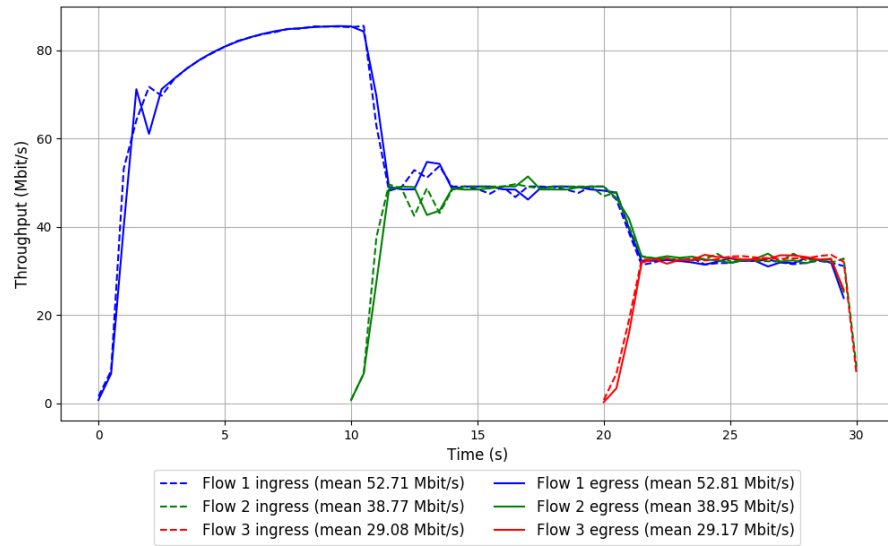


Run 6: Statistics of TCP Cubic

Start at: 2018-02-20 11:45:09  
End at: 2018-02-20 11:45:39  
Local clock offset: -14.544 ms  
Remote clock offset: -4.41 ms

# Below is generated by plot.py at 2018-02-20 17:42:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.19 Mbit/s  
95th percentile per-packet one-way delay: 120.525 ms  
Loss rate: 1.12%  
-- Flow 1:  
Average throughput: 52.81 Mbit/s  
95th percentile per-packet one-way delay: 119.071 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 38.95 Mbit/s  
95th percentile per-packet one-way delay: 120.918 ms  
Loss rate: 1.52%  
-- Flow 3:  
Average throughput: 29.17 Mbit/s  
95th percentile per-packet one-way delay: 120.556 ms  
Loss rate: 3.68%

# Run 6: Report of TCP Cubic — Data Link



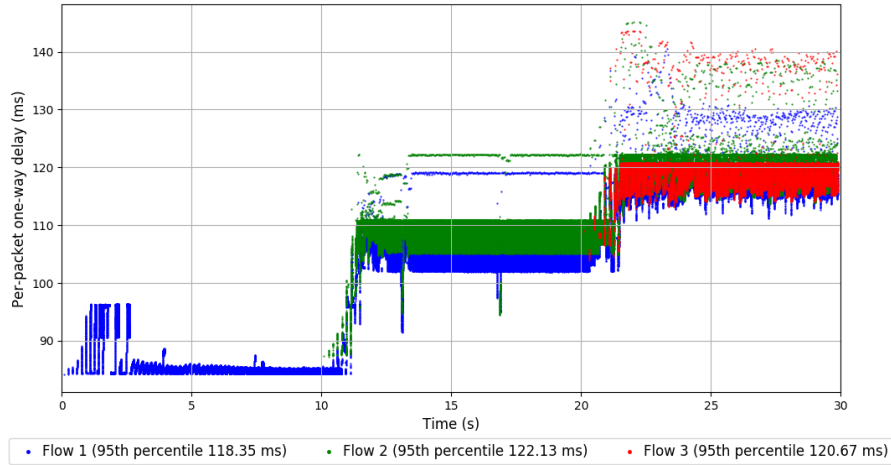
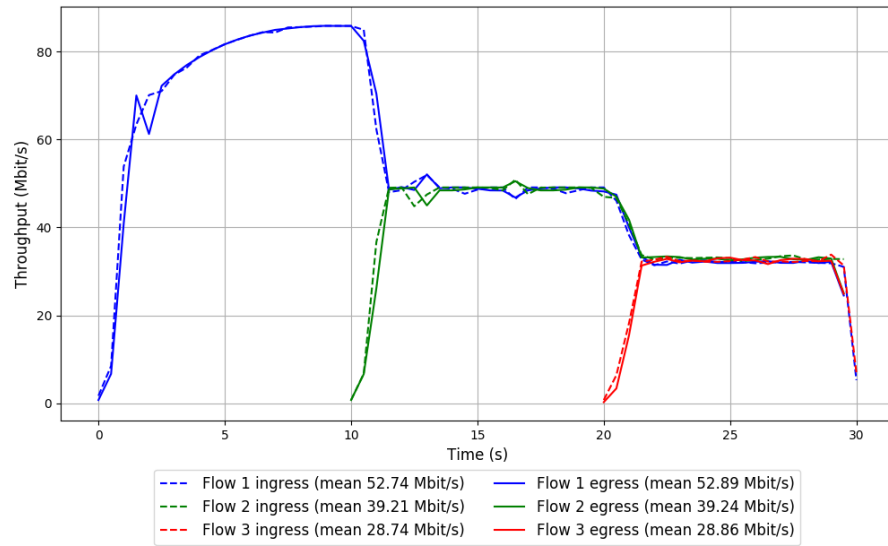
Run 7: Statistics of TCP Cubic

Start at: 2018-02-20 12:08:42  
End at: 2018-02-20 12:09:12  
Local clock offset: -13.77 ms  
Remote clock offset: -4.103 ms

# Below is generated by plot.py at 2018-02-20 17:43:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.37 Mbit/s  
95th percentile per-packet one-way delay: 120.920 ms  
Loss rate: 1.06%  
-- Flow 1:  
Average throughput: 52.89 Mbit/s  
95th percentile per-packet one-way delay: 118.349 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 39.24 Mbit/s  
95th percentile per-packet one-way delay: 122.133 ms  
Loss rate: 1.00%  
-- Flow 3:  
Average throughput: 28.86 Mbit/s  
95th percentile per-packet one-way delay: 120.670 ms  
Loss rate: 3.68%



# Run 7: Report of TCP Cubic — Data Link

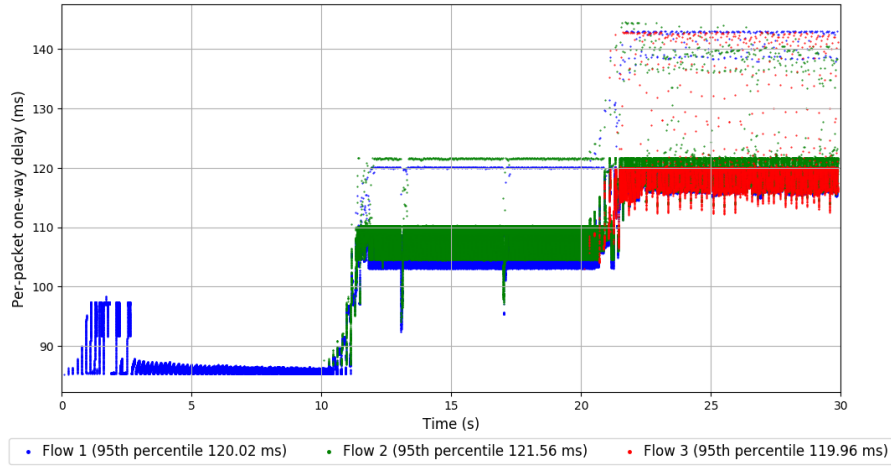
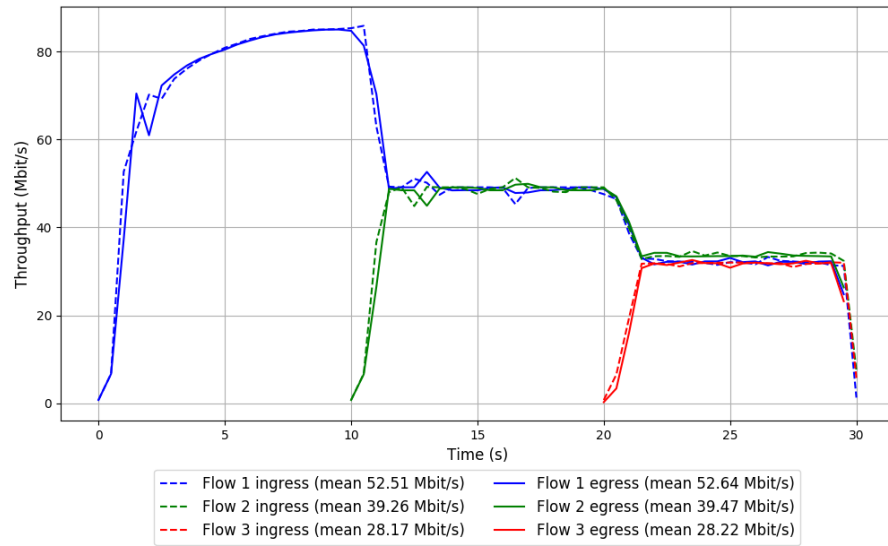


Run 8: Statistics of TCP Cubic

Start at: 2018-02-20 12:32:18  
End at: 2018-02-20 12:32:48  
Local clock offset: -10.689 ms  
Remote clock offset: -3.3 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.08 Mbit/s  
95th percentile per-packet one-way delay: 120.142 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 52.64 Mbit/s  
95th percentile per-packet one-way delay: 120.021 ms  
Loss rate: 0.49%  
-- Flow 2:  
Average throughput: 39.47 Mbit/s  
95th percentile per-packet one-way delay: 121.563 ms  
Loss rate: 1.41%  
-- Flow 3:  
Average throughput: 28.22 Mbit/s  
95th percentile per-packet one-way delay: 119.959 ms  
Loss rate: 3.74%

# Run 8: Report of TCP Cubic — Data Link

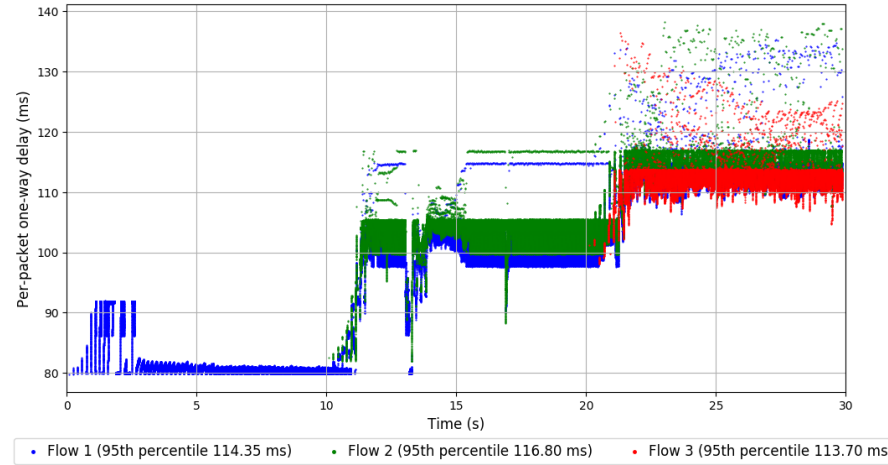
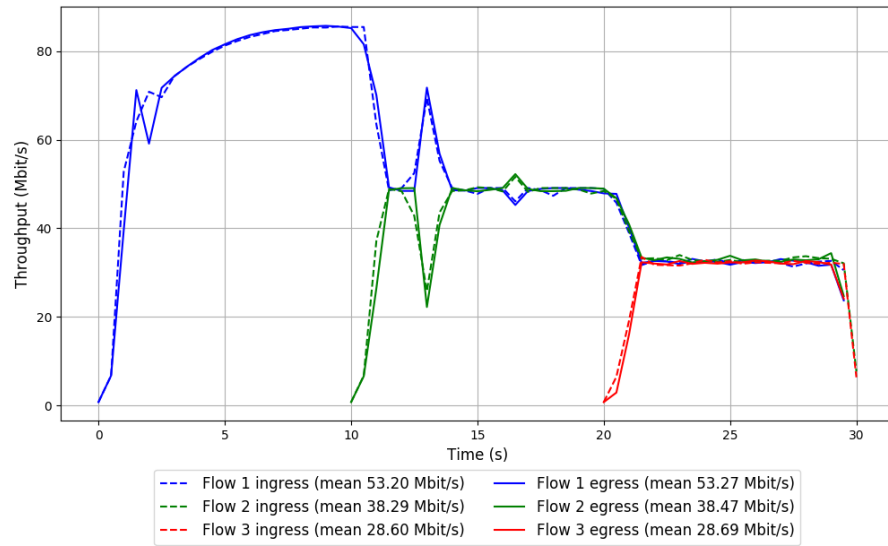


Run 9: Statistics of TCP Cubic

Start at: 2018-02-20 12:55:56  
End at: 2018-02-20 12:56:26  
Local clock offset: -15.108 ms  
Remote clock offset: 1.464 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.19 Mbit/s  
95th percentile per-packet one-way delay: 115.843 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 53.27 Mbit/s  
95th percentile per-packet one-way delay: 114.349 ms  
Loss rate: 0.46%  
-- Flow 2:  
Average throughput: 38.47 Mbit/s  
95th percentile per-packet one-way delay: 116.803 ms  
Loss rate: 1.44%  
-- Flow 3:  
Average throughput: 28.69 Mbit/s  
95th percentile per-packet one-way delay: 113.701 ms  
Loss rate: 3.67%

# Run 9: Report of TCP Cubic — Data Link

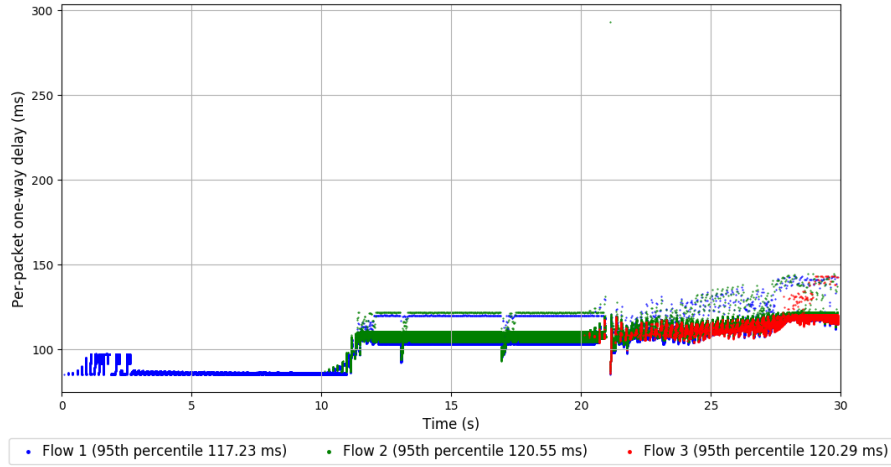
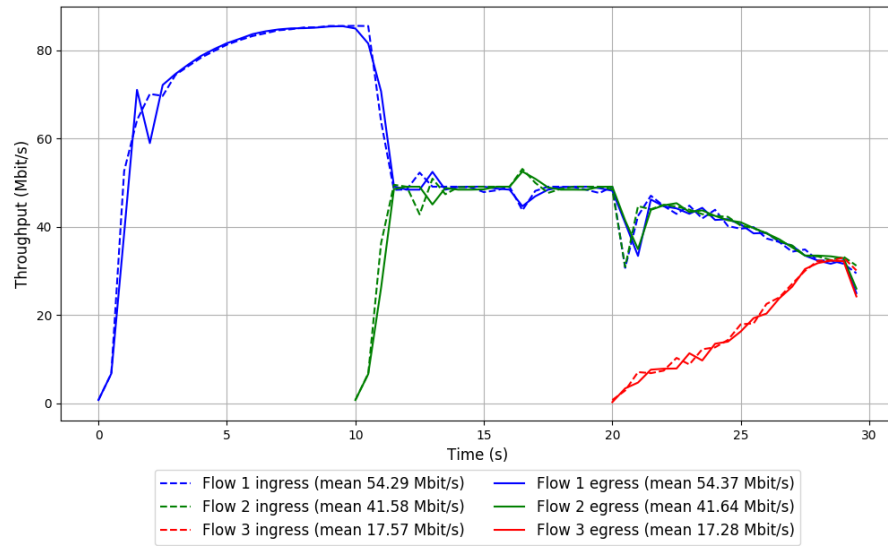


Run 10: Statistics of TCP Cubic

Start at: 2018-02-20 13:19:29  
End at: 2018-02-20 13:19:59  
Local clock offset: -13.989 ms  
Remote clock offset: -4.112 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.64 Mbit/s  
95th percentile per-packet one-way delay: 119.439 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 54.37 Mbit/s  
95th percentile per-packet one-way delay: 117.226 ms  
Loss rate: 0.39%  
-- Flow 2:  
Average throughput: 41.64 Mbit/s  
95th percentile per-packet one-way delay: 120.554 ms  
Loss rate: 0.81%  
-- Flow 3:  
Average throughput: 17.28 Mbit/s  
95th percentile per-packet one-way delay: 120.292 ms  
Loss rate: 3.83%

# Run 10: Report of TCP Cubic — Data Link



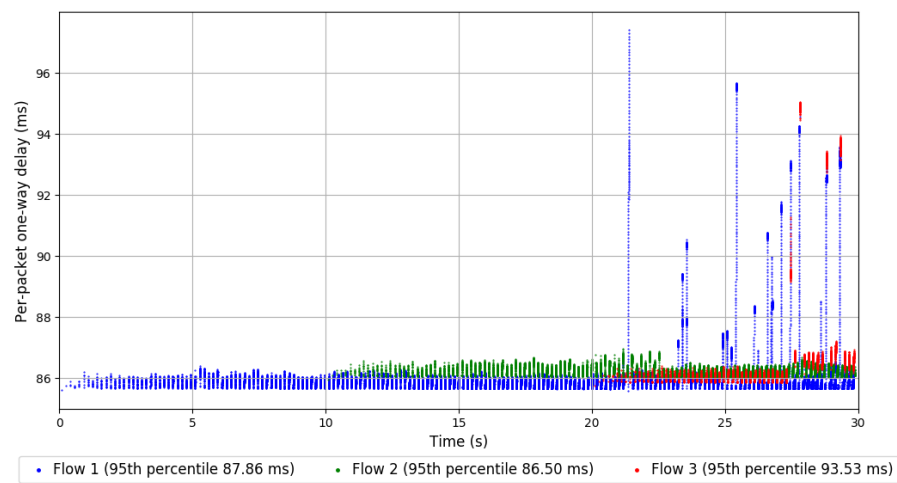
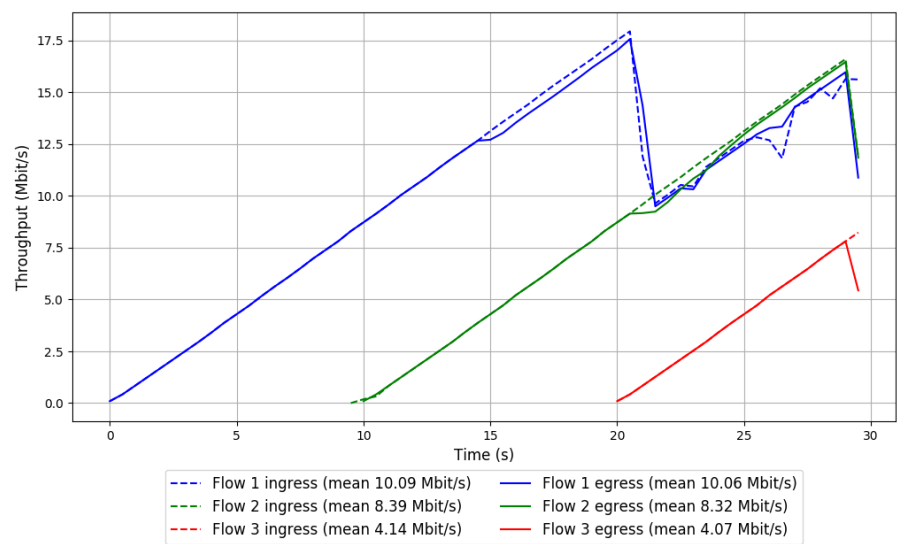
Run 1: Statistics of LEDBAT

Start at: 2018-02-20 10:05:54  
End at: 2018-02-20 10:06:24  
Local clock offset: -14.46 ms  
Remote clock offset: -4.043 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 16.90 Mbit/s  
95th percentile per-packet one-way delay: 87.065 ms  
Loss rate: 1.37%  
-- Flow 1:  
Average throughput: 10.06 Mbit/s  
95th percentile per-packet one-way delay: 87.861 ms  
Loss rate: 0.92%  
-- Flow 2:  
Average throughput: 8.32 Mbit/s  
95th percentile per-packet one-way delay: 86.503 ms  
Loss rate: 1.69%  
-- Flow 3:  
Average throughput: 4.07 Mbit/s  
95th percentile per-packet one-way delay: 93.535 ms  
Loss rate: 3.41%



Run 1: Report of LEDBAT — Data Link

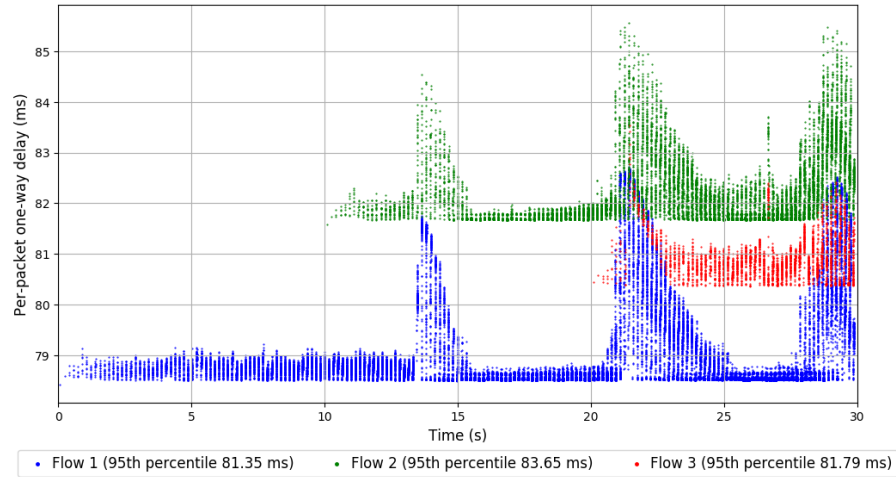
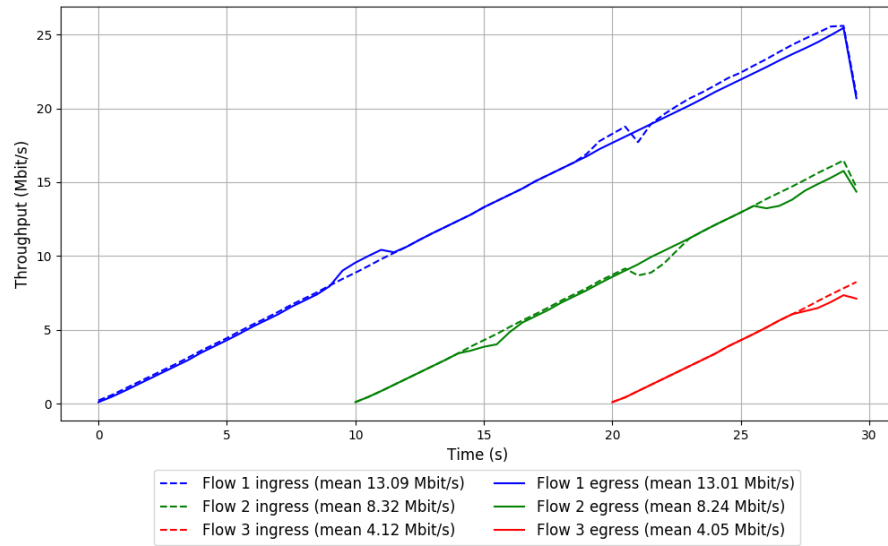


Run 2: Statistics of LEDBAT

Start at: 2018-02-20 10:29:34  
End at: 2018-02-20 10:30:04  
Local clock offset: -14.447 ms  
Remote clock offset: 1.224 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.81 Mbit/s  
95th percentile per-packet one-way delay: 82.757 ms  
Loss rate: 1.43%  
-- Flow 1:  
Average throughput: 13.01 Mbit/s  
95th percentile per-packet one-way delay: 81.349 ms  
Loss rate: 1.11%  
-- Flow 2:  
Average throughput: 8.24 Mbit/s  
95th percentile per-packet one-way delay: 83.653 ms  
Loss rate: 1.70%  
-- Flow 3:  
Average throughput: 4.05 Mbit/s  
95th percentile per-packet one-way delay: 81.786 ms  
Loss rate: 3.41%

## Run 2: Report of LEDBAT — Data Link

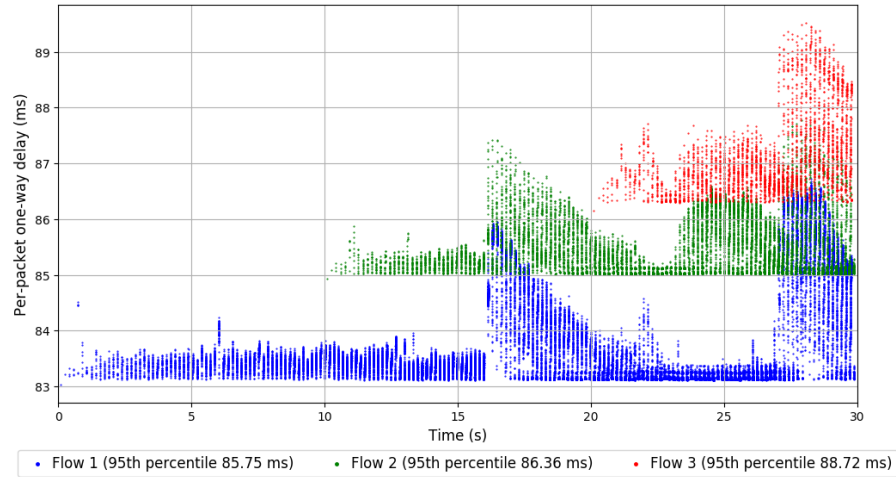
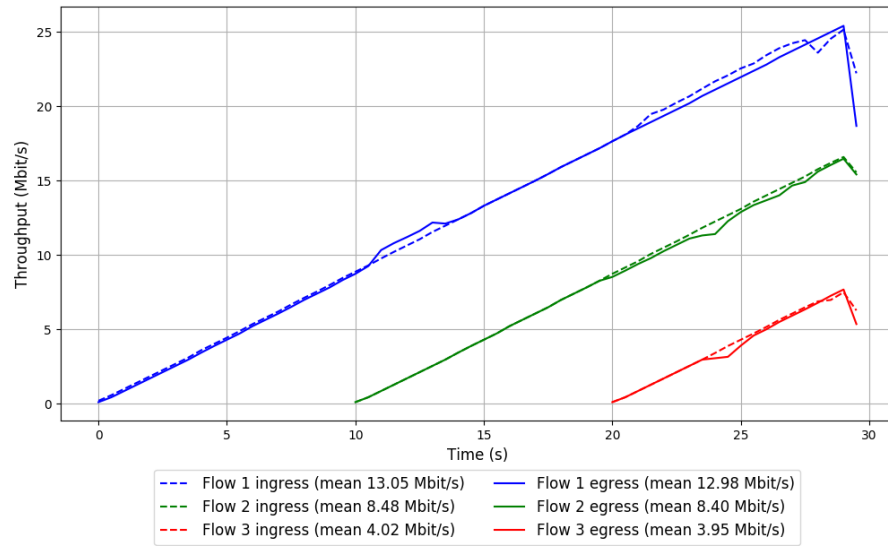


Run 3: Statistics of LEDBAT

Start at: 2018-02-20 10:53:03  
End at: 2018-02-20 10:53:33  
Local clock offset: -14.599 ms  
Remote clock offset: -3.596 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.84 Mbit/s  
95th percentile per-packet one-way delay: 86.679 ms  
Loss rate: 1.43%  
-- Flow 1:  
Average throughput: 12.98 Mbit/s  
95th percentile per-packet one-way delay: 85.752 ms  
Loss rate: 1.11%  
-- Flow 2:  
Average throughput: 8.40 Mbit/s  
95th percentile per-packet one-way delay: 86.361 ms  
Loss rate: 1.68%  
-- Flow 3:  
Average throughput: 3.95 Mbit/s  
95th percentile per-packet one-way delay: 88.721 ms  
Loss rate: 3.47%

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

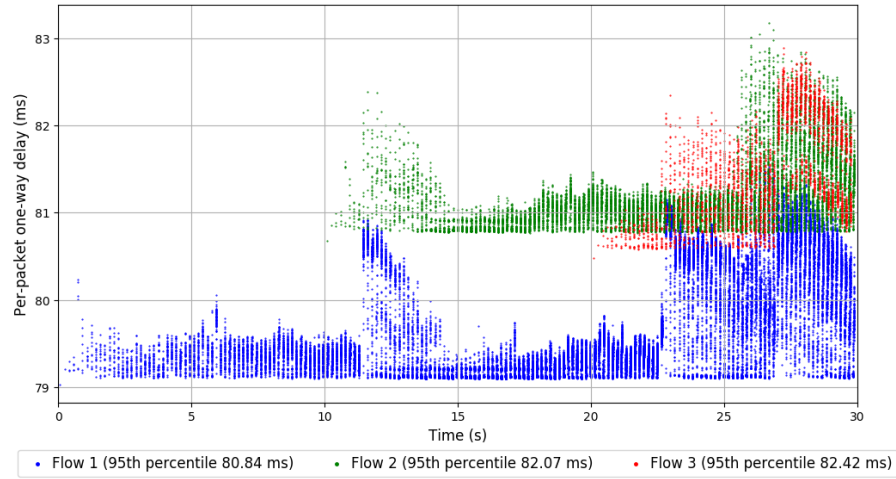
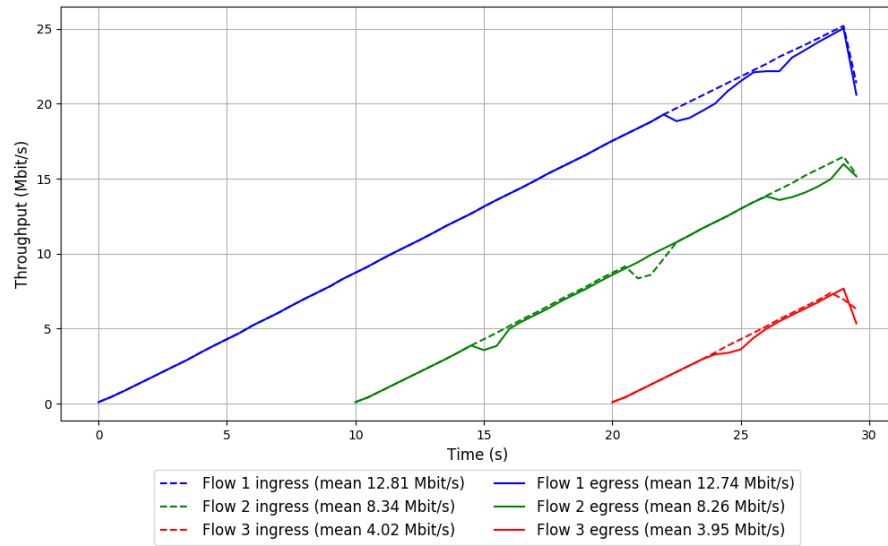


Run 4: Statistics of LEDBAT

Start at: 2018-02-20 11:16:32  
End at: 2018-02-20 11:17:02  
Local clock offset: -13.974 ms  
Remote clock offset: 2.185 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.50 Mbit/s  
95th percentile per-packet one-way delay: 81.793 ms  
Loss rate: 1.44%  
-- Flow 1:  
Average throughput: 12.74 Mbit/s  
95th percentile per-packet one-way delay: 80.837 ms  
Loss rate: 1.12%  
-- Flow 2:  
Average throughput: 8.26 Mbit/s  
95th percentile per-packet one-way delay: 82.069 ms  
Loss rate: 1.70%  
-- Flow 3:  
Average throughput: 3.95 Mbit/s  
95th percentile per-packet one-way delay: 82.420 ms  
Loss rate: 3.47%

# Run 4: Report of LEDBAT — Data Link



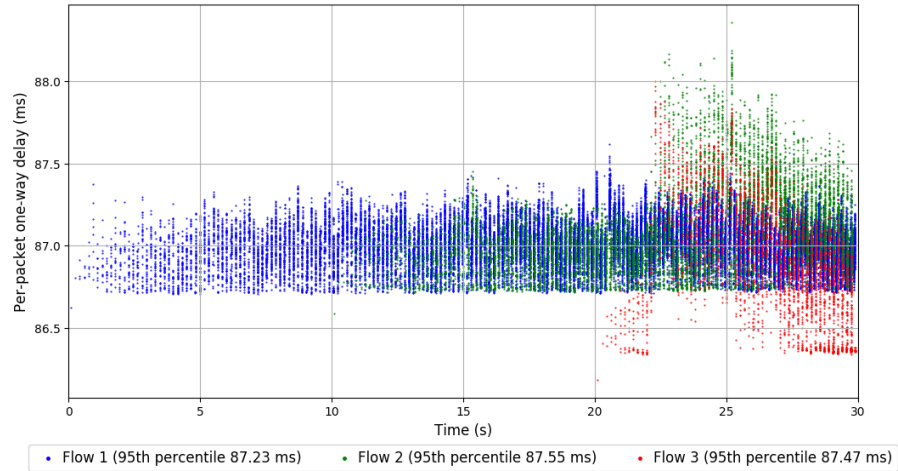
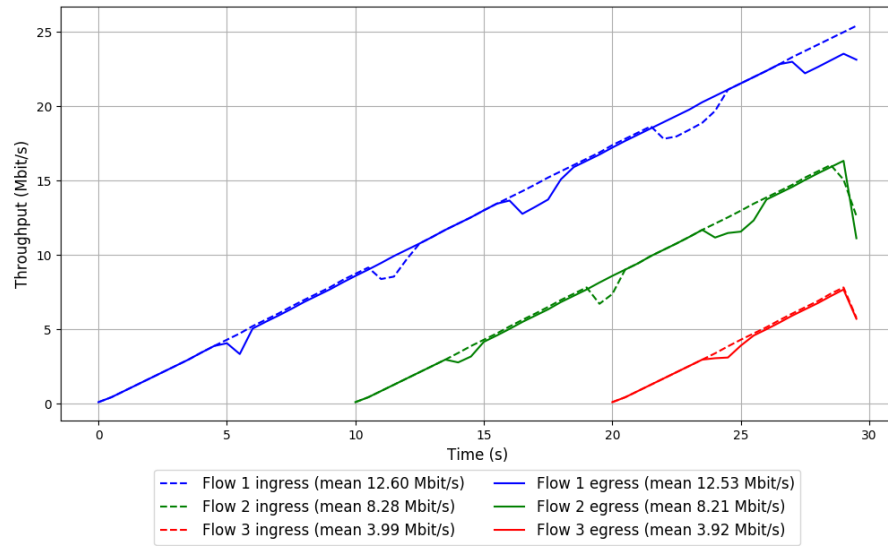
Run 5: Statistics of LEDBAT

Start at: 2018-02-20 11:40:02  
End at: 2018-02-20 11:40:32  
Local clock offset: -14.38 ms  
Remote clock offset: -3.589 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.23 Mbit/s  
95th percentile per-packet one-way delay: 87.340 ms  
Loss rate: 1.45%  
-- Flow 1:  
Average throughput: 12.53 Mbit/s  
95th percentile per-packet one-way delay: 87.233 ms  
Loss rate: 1.13%  
-- Flow 2:  
Average throughput: 8.21 Mbit/s  
95th percentile per-packet one-way delay: 87.547 ms  
Loss rate: 1.71%  
-- Flow 3:  
Average throughput: 3.92 Mbit/s  
95th percentile per-packet one-way delay: 87.472 ms  
Loss rate: 3.43%



# Run 5: Report of LEDBAT — Data Link

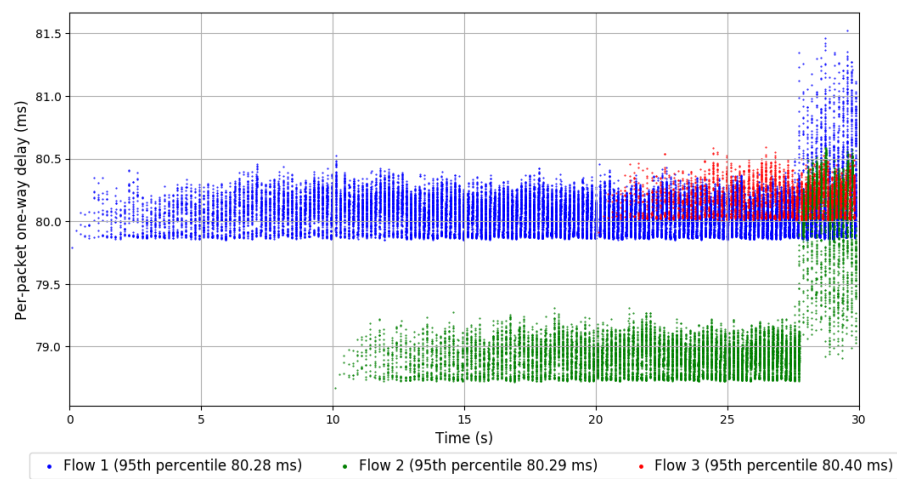
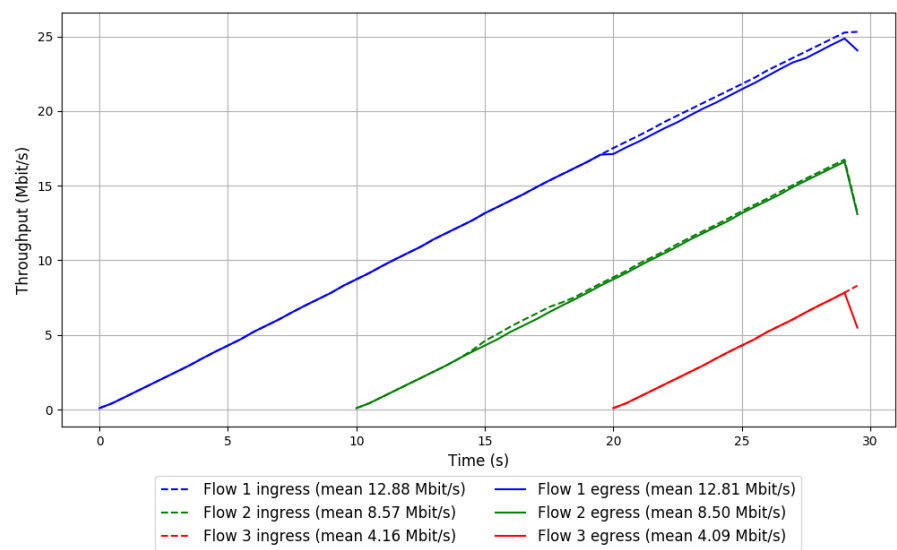


Run 6: Statistics of LEDBAT

Start at: 2018-02-20 12:03:35  
End at: 2018-02-20 12:04:05  
Local clock offset: -14.852 ms  
Remote clock offset: 1.562 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.79 Mbit/s  
95th percentile per-packet one-way delay: 80.310 ms  
Loss rate: 1.43%  
-- Flow 1:  
Average throughput: 12.81 Mbit/s  
95th percentile per-packet one-way delay: 80.284 ms  
Loss rate: 1.11%  
-- Flow 2:  
Average throughput: 8.50 Mbit/s  
95th percentile per-packet one-way delay: 80.294 ms  
Loss rate: 1.67%  
-- Flow 3:  
Average throughput: 4.09 Mbit/s  
95th percentile per-packet one-way delay: 80.404 ms  
Loss rate: 3.43%

Run 6: Report of LEDBAT — Data Link

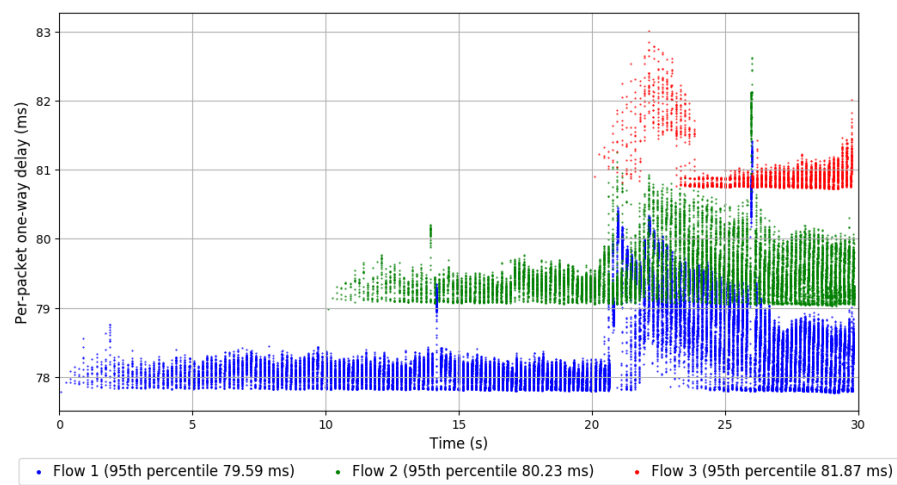
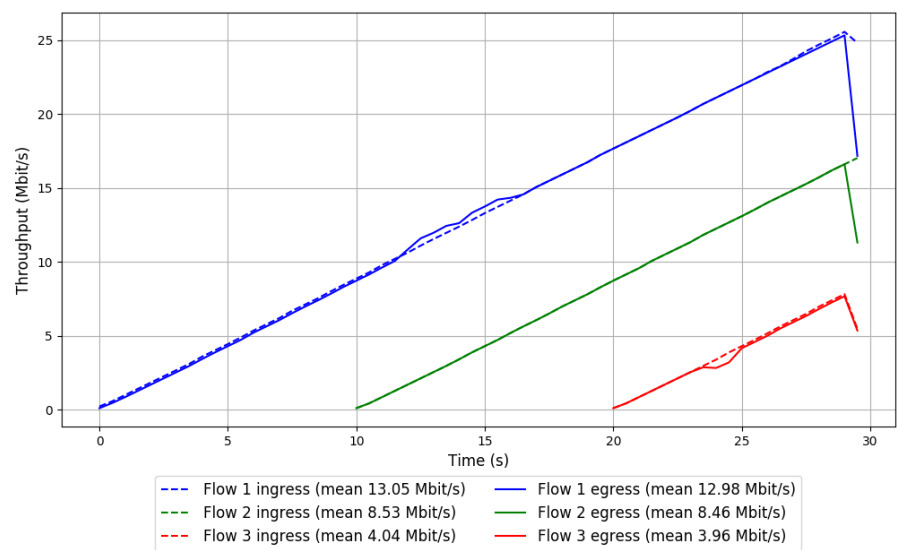


Run 7: Statistics of LEDBAT

Start at: 2018-02-20 12:27:11  
End at: 2018-02-20 12:27:41  
Local clock offset: -11.102 ms  
Remote clock offset: 2.483 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.87 Mbit/s  
95th percentile per-packet one-way delay: 80.790 ms  
Loss rate: 1.43%  
-- Flow 1:  
Average throughput: 12.98 Mbit/s  
95th percentile per-packet one-way delay: 79.591 ms  
Loss rate: 1.11%  
-- Flow 2:  
Average throughput: 8.46 Mbit/s  
95th percentile per-packet one-way delay: 80.230 ms  
Loss rate: 1.68%  
-- Flow 3:  
Average throughput: 3.96 Mbit/s  
95th percentile per-packet one-way delay: 81.872 ms  
Loss rate: 3.50%

Run 7: Report of LEDBAT — Data Link

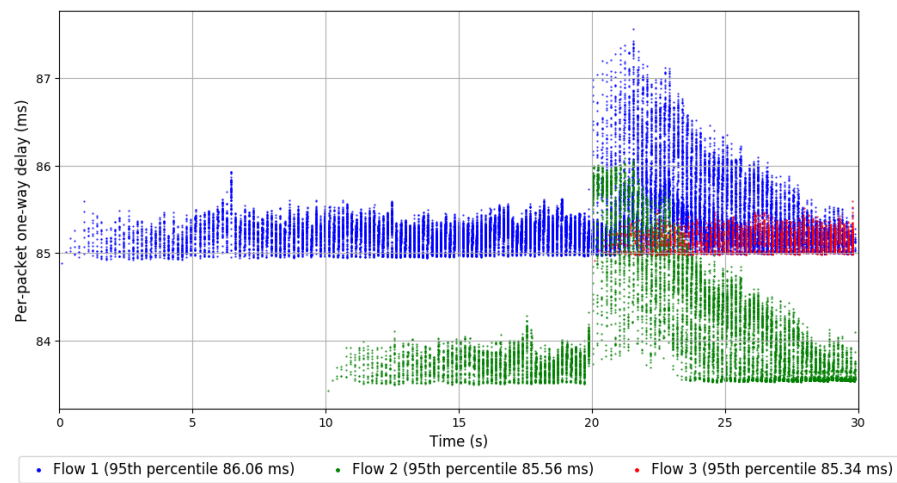
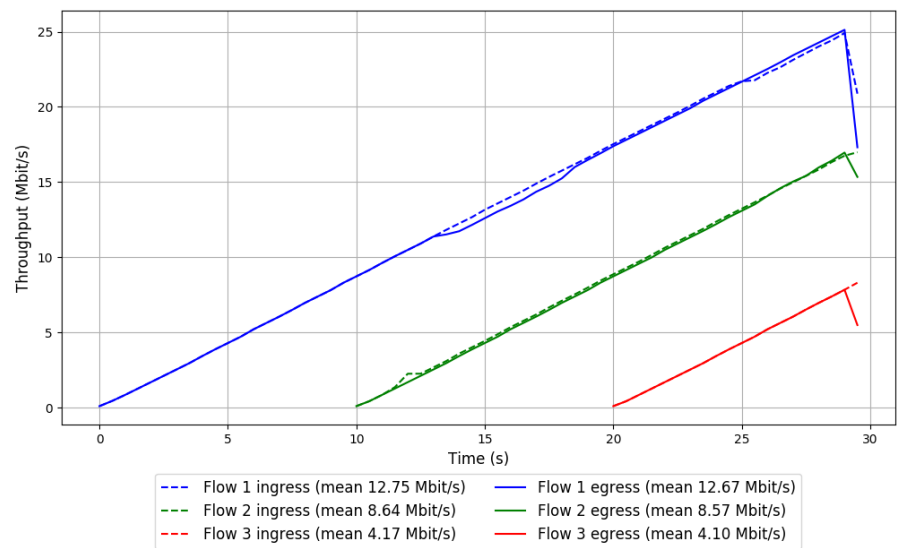


Run 8: Statistics of LEDBAT

Start at: 2018-02-20 12:50:50  
End at: 2018-02-20 12:51:20  
Local clock offset: -14.255 ms  
Remote clock offset: -3.265 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.70 Mbit/s  
95th percentile per-packet one-way delay: 85.888 ms  
Loss rate: 1.43%  
-- Flow 1:  
Average throughput: 12.67 Mbit/s  
95th percentile per-packet one-way delay: 86.065 ms  
Loss rate: 1.11%  
-- Flow 2:  
Average throughput: 8.57 Mbit/s  
95th percentile per-packet one-way delay: 85.560 ms  
Loss rate: 1.67%  
-- Flow 3:  
Average throughput: 4.10 Mbit/s  
95th percentile per-packet one-way delay: 85.343 ms  
Loss rate: 3.43%

Run 8: Report of LEDBAT — Data Link



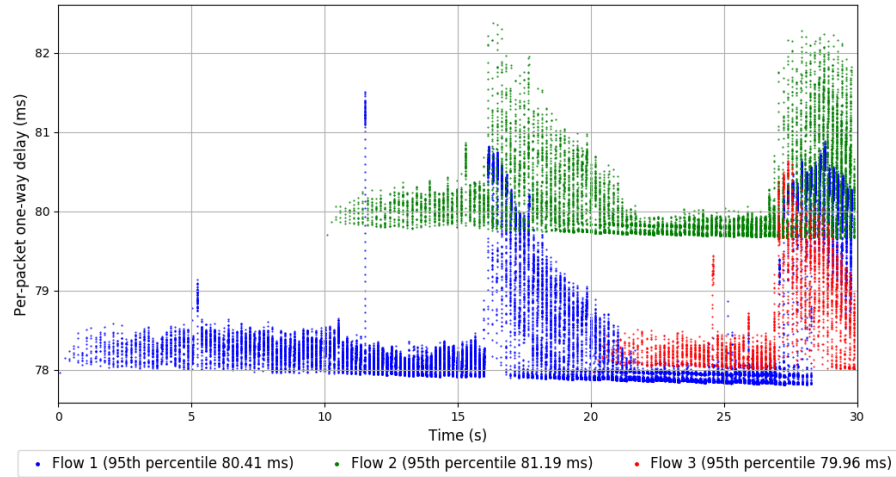
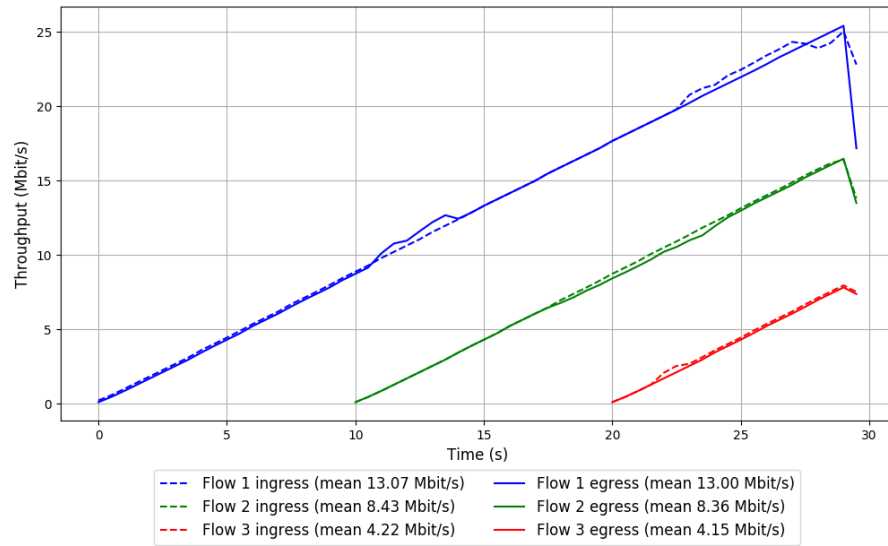
Run 9: Statistics of LEDBAT

Start at: 2018-02-20 13:14:22  
End at: 2018-02-20 13:14:52  
Local clock offset: -15.967 ms  
Remote clock offset: 1.664 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.87 Mbit/s  
95th percentile per-packet one-way delay: 80.608 ms  
Loss rate: 1.43%  
-- Flow 1:  
Average throughput: 13.00 Mbit/s  
95th percentile per-packet one-way delay: 80.407 ms  
Loss rate: 1.11%  
-- Flow 2:  
Average throughput: 8.36 Mbit/s  
95th percentile per-packet one-way delay: 81.189 ms  
Loss rate: 1.69%  
-- Flow 3:  
Average throughput: 4.15 Mbit/s  
95th percentile per-packet one-way delay: 79.957 ms  
Loss rate: 3.38%



## Run 9: Report of LEDBAT — Data Link

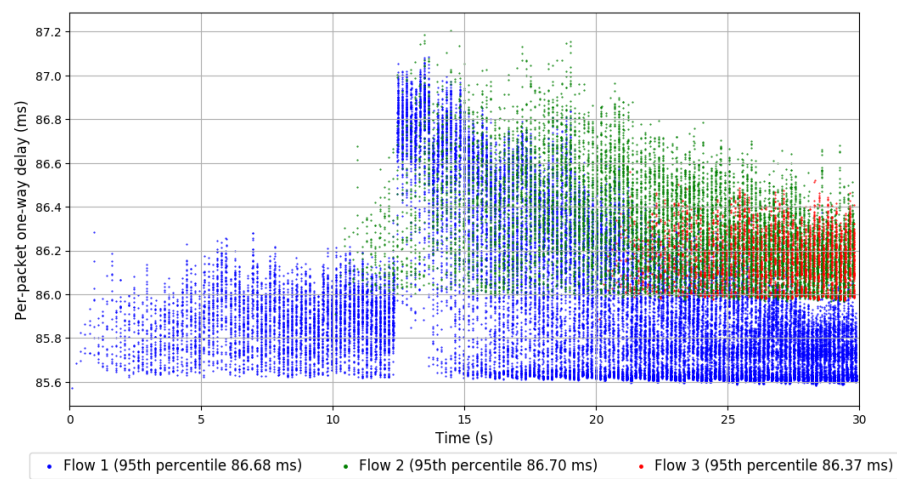
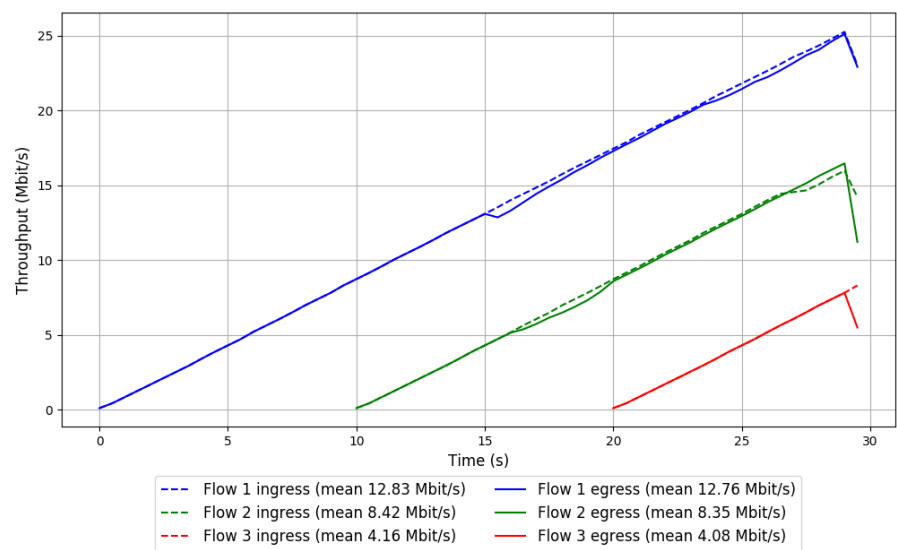


Run 10: Statistics of LEDBAT

Start at: 2018-02-20 13:37:58  
End at: 2018-02-20 13:38:28  
Local clock offset: -11.461 ms  
Remote clock offset: -4.082 ms

# Below is generated by plot.py at 2018-02-20 17:43:35  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 19.59 Mbit/s  
95th percentile per-packet one-way delay: 86.674 ms  
Loss rate: 1.44%  
-- Flow 1:  
Average throughput: 12.76 Mbit/s  
95th percentile per-packet one-way delay: 86.679 ms  
Loss rate: 1.12%  
-- Flow 2:  
Average throughput: 8.35 Mbit/s  
95th percentile per-packet one-way delay: 86.697 ms  
Loss rate: 1.70%  
-- Flow 3:  
Average throughput: 4.08 Mbit/s  
95th percentile per-packet one-way delay: 86.370 ms  
Loss rate: 3.43%

Run 10: Report of LEDBAT — Data Link

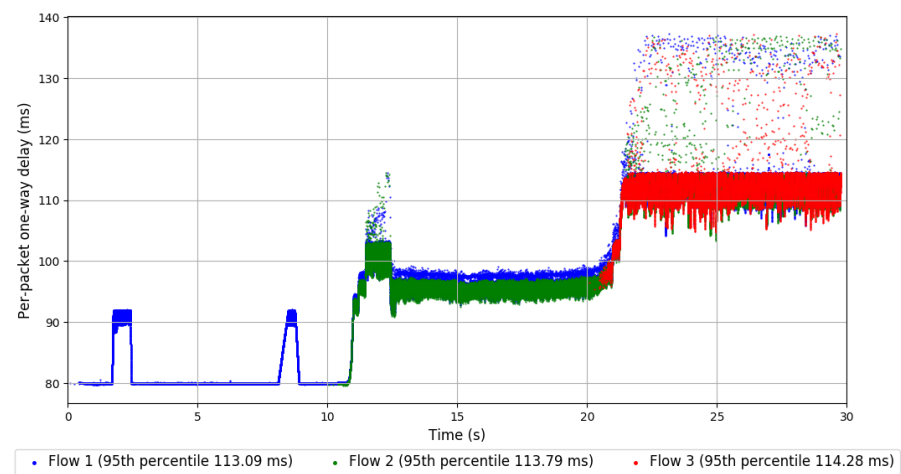
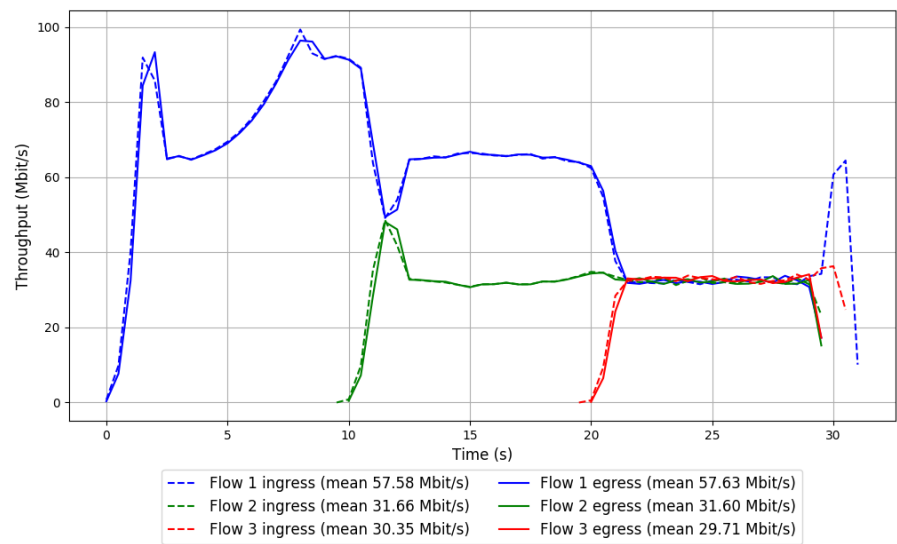


Run 1: Statistics of PCC

Start at: 2018-02-20 09:52:37  
End at: 2018-02-20 09:53:07  
Local clock offset: -15.292 ms  
Remote clock offset: 1.325 ms

# Below is generated by plot.py at 2018-02-20 17:44:12  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.26 Mbit/s  
95th percentile per-packet one-way delay: 113.670 ms  
Loss rate: 4.77%  
-- Flow 1:  
Average throughput: 57.63 Mbit/s  
95th percentile per-packet one-way delay: 113.089 ms  
Loss rate: 4.50%  
-- Flow 2:  
Average throughput: 31.60 Mbit/s  
95th percentile per-packet one-way delay: 113.794 ms  
Loss rate: 1.20%  
-- Flow 3:  
Average throughput: 29.71 Mbit/s  
95th percentile per-packet one-way delay: 114.281 ms  
Loss rate: 13.04%

Run 1: Report of PCC — Data Link

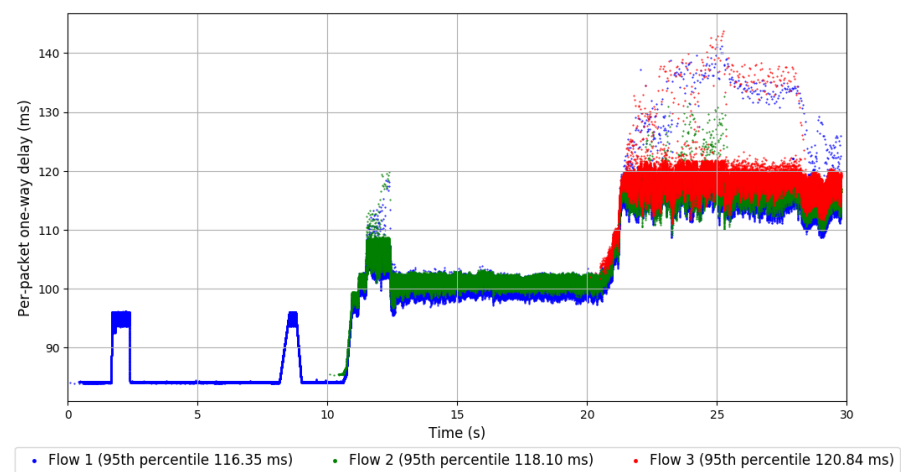
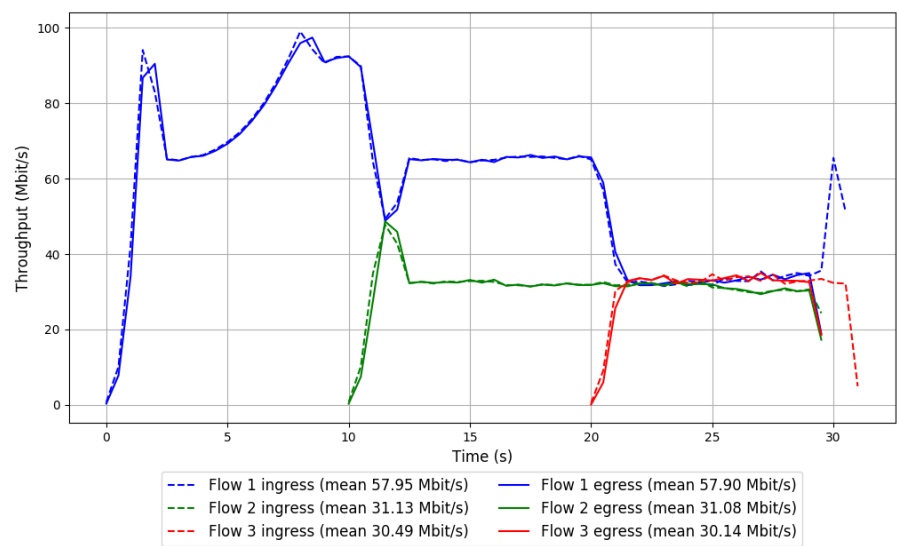


Run 2: Statistics of PCC

Start at: 2018-02-20 10:16:10  
End at: 2018-02-20 10:16:40  
Local clock offset: -14.342 ms  
Remote clock offset: -4.266 ms

# Below is generated by plot.py at 2018-02-20 17:44:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.32 Mbit/s  
95th percentile per-packet one-way delay: 118.662 ms  
Loss rate: 4.51%  
-- Flow 1:  
Average throughput: 57.90 Mbit/s  
95th percentile per-packet one-way delay: 116.352 ms  
Loss rate: 3.95%  
-- Flow 2:  
Average throughput: 31.08 Mbit/s  
95th percentile per-packet one-way delay: 118.103 ms  
Loss rate: 1.14%  
-- Flow 3:  
Average throughput: 30.14 Mbit/s  
95th percentile per-packet one-way delay: 120.836 ms  
Loss rate: 13.63%

Run 2: Report of PCC — Data Link



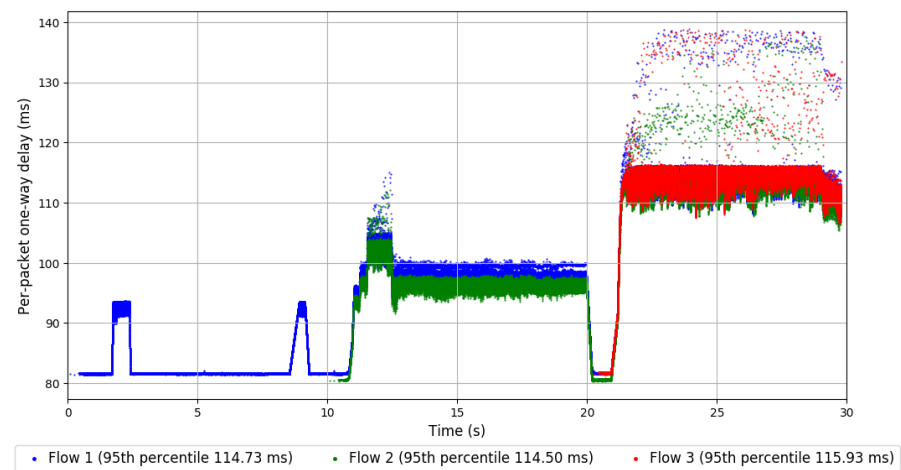
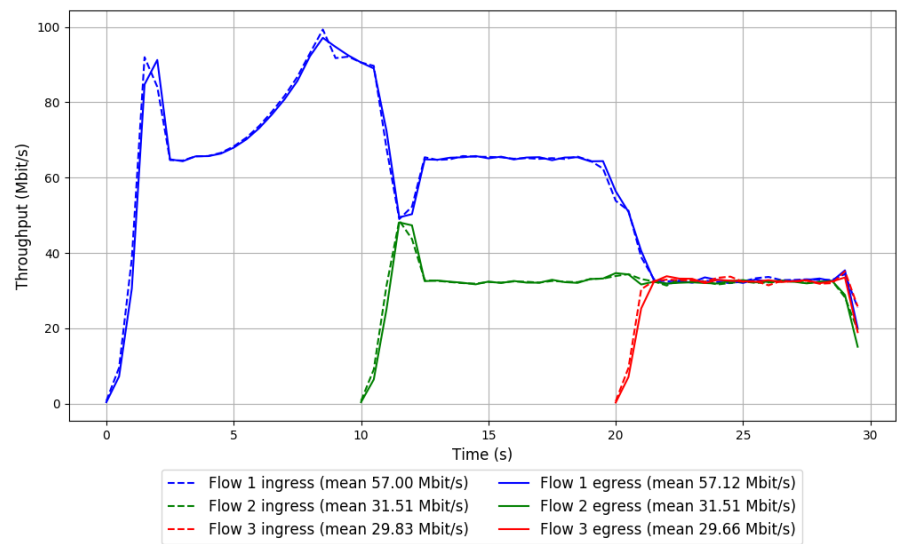
Run 3: Statistics of PCC

Start at: 2018-02-20 10:39:50  
End at: 2018-02-20 10:40:20  
Local clock offset: -14.527 ms  
Remote clock offset: 1.174 ms

# Below is generated by plot.py at 2018-02-20 17:44:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.67 Mbit/s  
95th percentile per-packet one-way delay: 115.110 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 57.12 Mbit/s  
95th percentile per-packet one-way delay: 114.728 ms  
Loss rate: 0.39%  
-- Flow 2:  
Average throughput: 31.51 Mbit/s  
95th percentile per-packet one-way delay: 114.496 ms  
Loss rate: 0.83%  
-- Flow 3:  
Average throughput: 29.66 Mbit/s  
95th percentile per-packet one-way delay: 115.930 ms  
Loss rate: 2.51%



Run 3: Report of PCC — Data Link

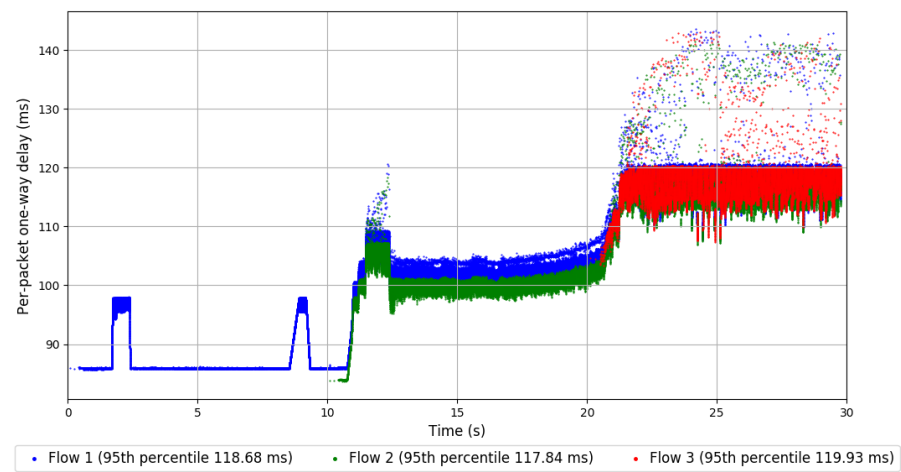
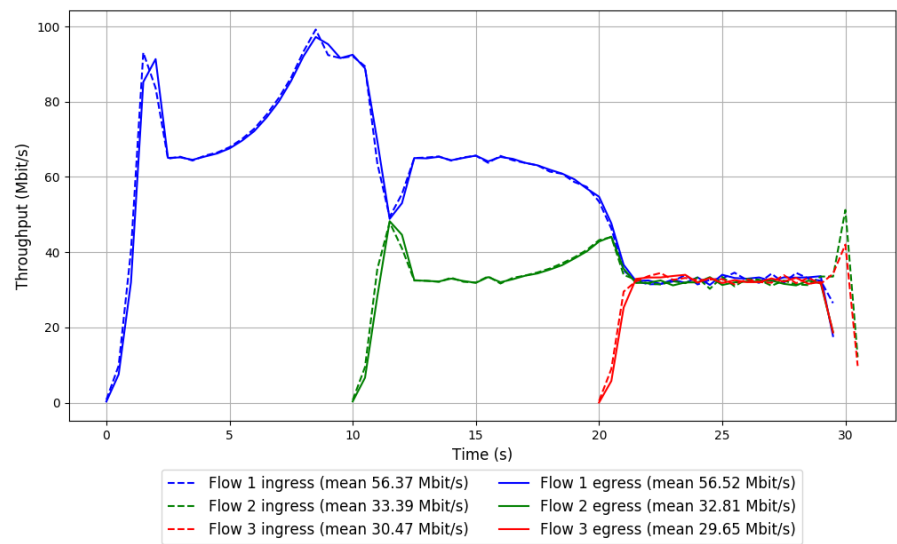


Run 4: Statistics of PCC

Start at: 2018-02-20 11:03:20  
End at: 2018-02-20 11:03:50  
Local clock offset: -14.266 ms  
Remote clock offset: -4.365 ms

# Below is generated by plot.py at 2018-02-20 17:44:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.89 Mbit/s  
95th percentile per-packet one-way delay: 118.994 ms  
Loss rate: 3.29%  
-- Flow 1:  
Average throughput: 56.52 Mbit/s  
95th percentile per-packet one-way delay: 118.681 ms  
Loss rate: 0.47%  
-- Flow 2:  
Average throughput: 32.81 Mbit/s  
95th percentile per-packet one-way delay: 117.844 ms  
Loss rate: 6.27%  
-- Flow 3:  
Average throughput: 29.65 Mbit/s  
95th percentile per-packet one-way delay: 119.930 ms  
Loss rate: 11.64%

Run 4: Report of PCC — Data Link

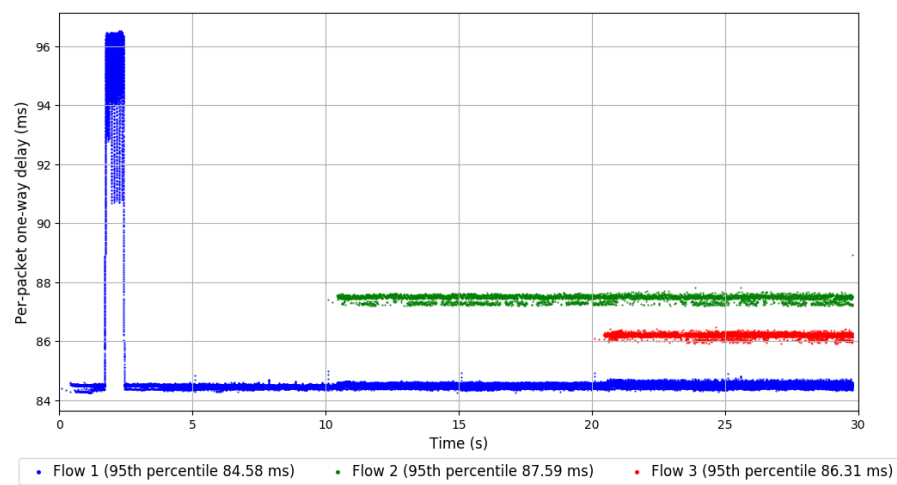
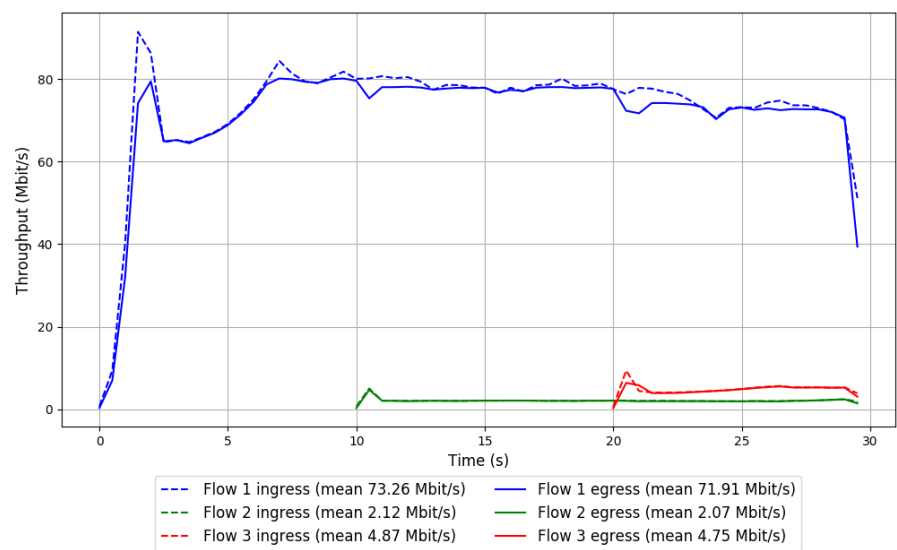


Run 5: Statistics of PCC

Start at: 2018-02-20 11:26:48  
End at: 2018-02-20 11:27:18  
Local clock offset: -13.856 ms  
Remote clock offset: -4.581 ms

# Below is generated by plot.py at 2018-02-20 17:44:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 74.83 Mbit/s  
95th percentile per-packet one-way delay: 86.327 ms  
Loss rate: 2.42%  
-- Flow 1:  
Average throughput: 71.91 Mbit/s  
95th percentile per-packet one-way delay: 84.582 ms  
Loss rate: 2.38%  
-- Flow 2:  
Average throughput: 2.07 Mbit/s  
95th percentile per-packet one-way delay: 87.592 ms  
Loss rate: 2.79%  
-- Flow 3:  
Average throughput: 4.75 Mbit/s  
95th percentile per-packet one-way delay: 86.310 ms  
Loss rate: 4.11%

Run 5: Report of PCC — Data Link

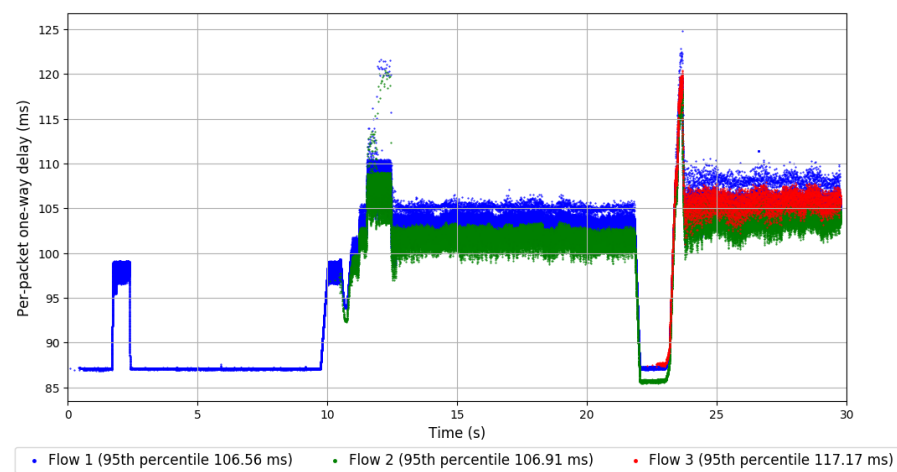
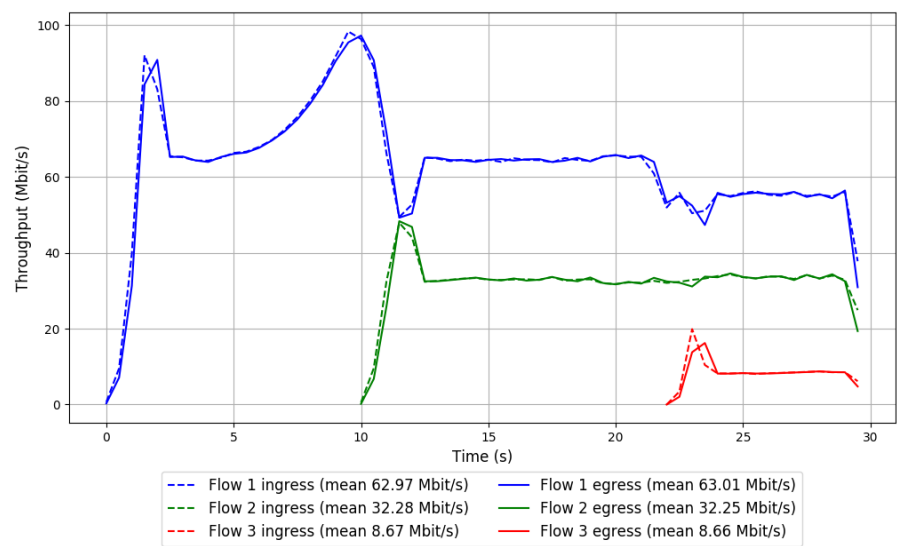


Run 6: Statistics of PCC

Start at: 2018-02-20 11:50:20  
End at: 2018-02-20 11:50:50  
Local clock offset: -14.727 ms  
Remote clock offset: -4.426 ms

# Below is generated by plot.py at 2018-02-20 17:44:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.56 Mbit/s  
95th percentile per-packet one-way delay: 106.755 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 63.01 Mbit/s  
95th percentile per-packet one-way delay: 106.556 ms  
Loss rate: 0.49%  
-- Flow 2:  
Average throughput: 32.25 Mbit/s  
95th percentile per-packet one-way delay: 106.914 ms  
Loss rate: 0.99%  
-- Flow 3:  
Average throughput: 8.66 Mbit/s  
95th percentile per-packet one-way delay: 117.173 ms  
Loss rate: 2.40%

Run 6: Report of PCC — Data Link



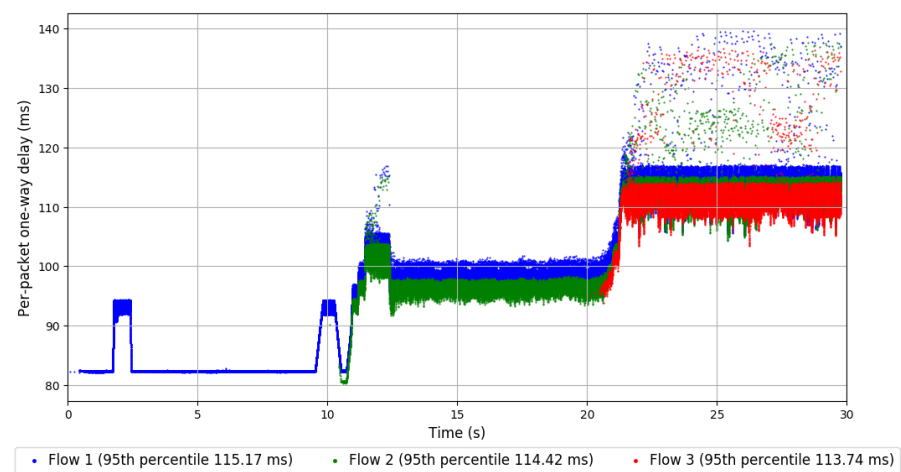
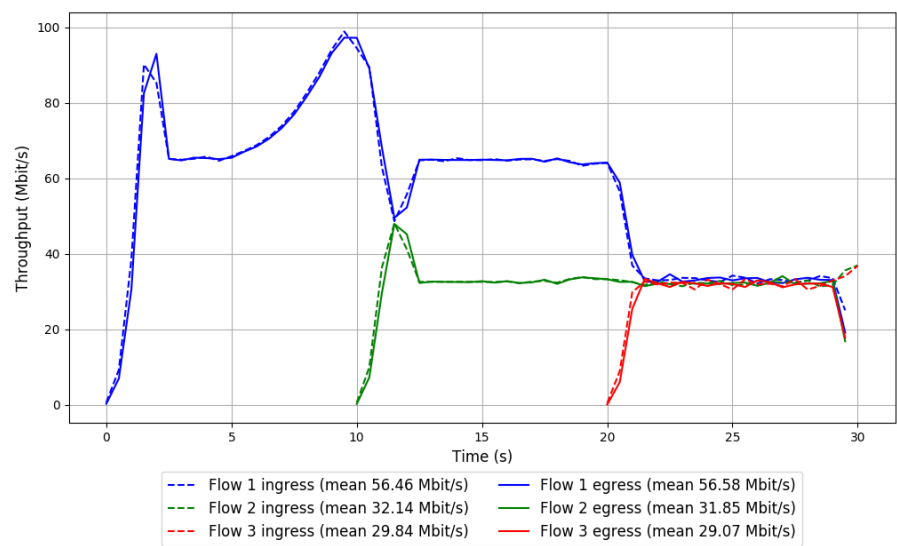
Run 7: Statistics of PCC

Start at: 2018-02-20 12:13:53  
End at: 2018-02-20 12:14:23  
Local clock offset: -12.541 ms  
Remote clock offset: 0.838 ms

# Below is generated by plot.py at 2018-02-20 17:44:54  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.13 Mbit/s  
95th percentile per-packet one-way delay: 114.730 ms  
Loss rate: 2.57%  
-- Flow 1:  
Average throughput: 56.58 Mbit/s  
95th percentile per-packet one-way delay: 115.168 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 31.85 Mbit/s  
95th percentile per-packet one-way delay: 114.415 ms  
Loss rate: 4.70%  
-- Flow 3:  
Average throughput: 29.07 Mbit/s  
95th percentile per-packet one-way delay: 113.740 ms  
Loss rate: 9.78%



Run 7: Report of PCC — Data Link

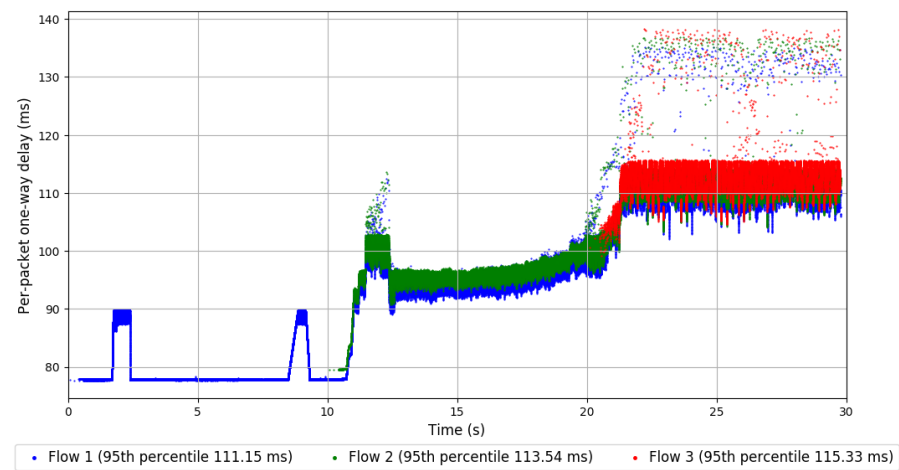
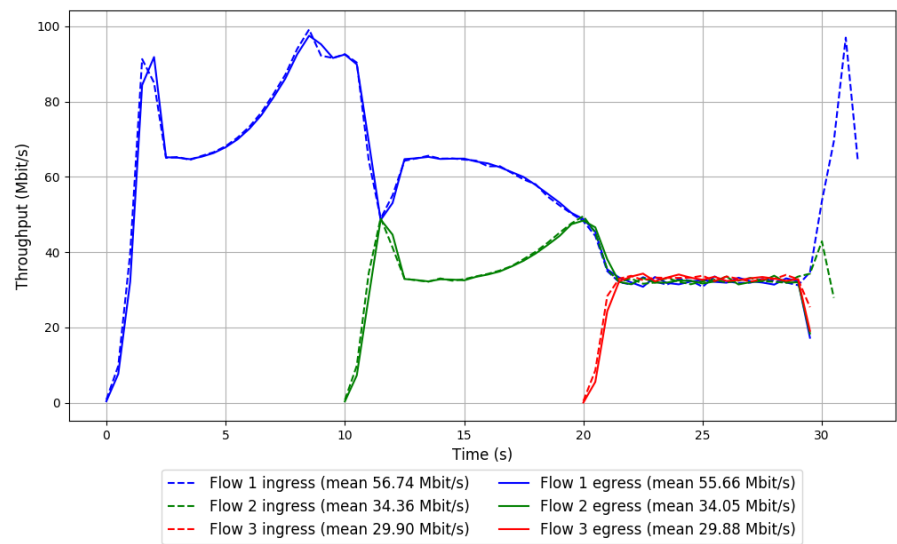


Run 8: Statistics of PCC

Start at: 2018-02-20 12:37:29  
End at: 2018-02-20 12:37:59  
Local clock offset: -10.543 ms  
Remote clock offset: 2.307 ms

# Below is generated by plot.py at 2018-02-20 17:44:55  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.95 Mbit/s  
95th percentile per-packet one-way delay: 113.708 ms  
Loss rate: 7.39%  
-- Flow 1:  
Average throughput: 55.66 Mbit/s  
95th percentile per-packet one-way delay: 111.152 ms  
Loss rate: 8.52%  
-- Flow 2:  
Average throughput: 34.05 Mbit/s  
95th percentile per-packet one-way delay: 113.544 ms  
Loss rate: 6.60%  
-- Flow 3:  
Average throughput: 29.88 Mbit/s  
95th percentile per-packet one-way delay: 115.330 ms  
Loss rate: 2.44%

Run 8: Report of PCC — Data Link

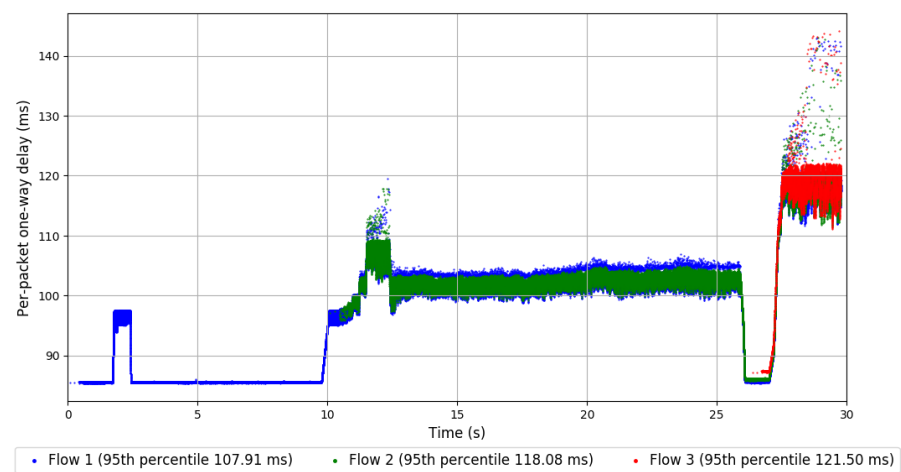
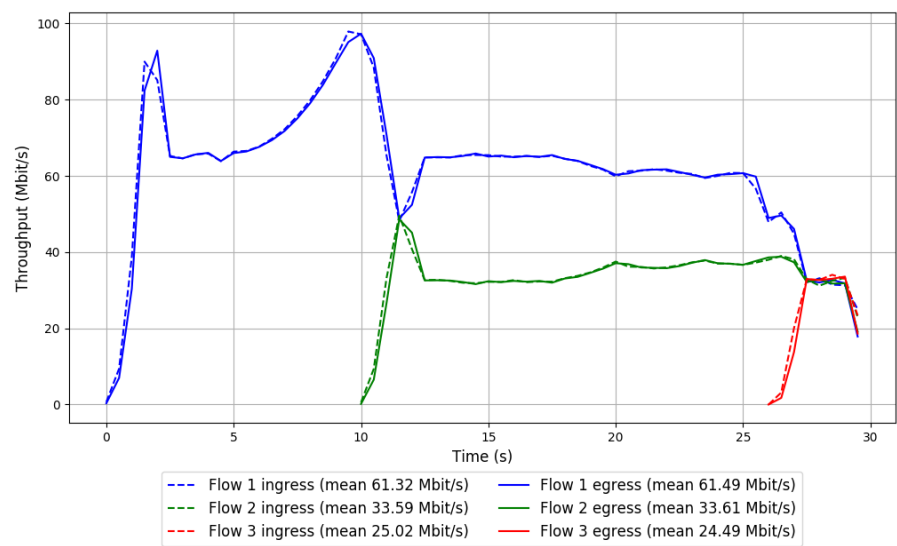


Run 9: Statistics of PCC

Start at: 2018-02-20 13:01:07  
End at: 2018-02-20 13:01:37  
Local clock offset: -15.485 ms  
Remote clock offset: -4.106 ms

# Below is generated by plot.py at 2018-02-20 17:45:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.56 Mbit/s  
95th percentile per-packet one-way delay: 117.687 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 61.49 Mbit/s  
95th percentile per-packet one-way delay: 107.905 ms  
Loss rate: 0.38%  
-- Flow 2:  
Average throughput: 33.61 Mbit/s  
95th percentile per-packet one-way delay: 118.075 ms  
Loss rate: 0.94%  
-- Flow 3:  
Average throughput: 24.49 Mbit/s  
95th percentile per-packet one-way delay: 121.499 ms  
Loss rate: 7.18%

Run 9: Report of PCC — Data Link

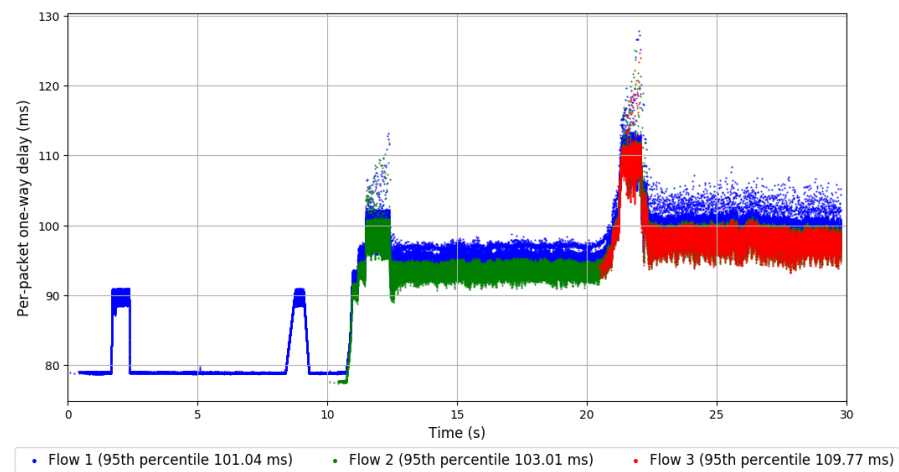
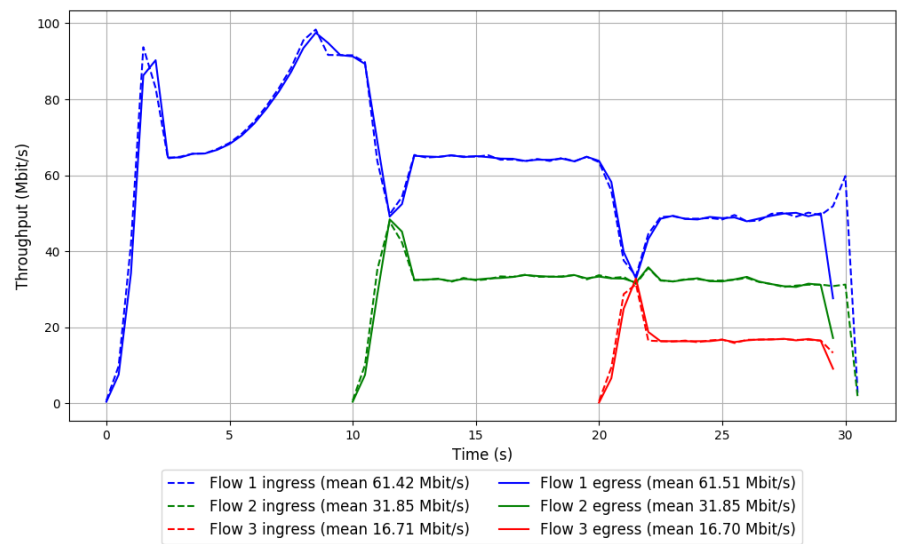


Run 10: Statistics of PCC

Start at: 2018-02-20 13:24:40  
End at: 2018-02-20 13:25:10  
Local clock offset: -12.849 ms  
Remote clock offset: 2.414 ms

# Below is generated by plot.py at 2018-02-20 17:45:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.07 Mbit/s  
95th percentile per-packet one-way delay: 101.525 ms  
Loss rate: 2.90%  
-- Flow 1:  
Average throughput: 61.51 Mbit/s  
95th percentile per-packet one-way delay: 101.042 ms  
Loss rate: 2.57%  
-- Flow 2:  
Average throughput: 31.85 Mbit/s  
95th percentile per-packet one-way delay: 103.010 ms  
Loss rate: 4.02%  
-- Flow 3:  
Average throughput: 16.70 Mbit/s  
95th percentile per-packet one-way delay: 109.768 ms  
Loss rate: 2.25%

Run 10: Report of PCC — Data Link



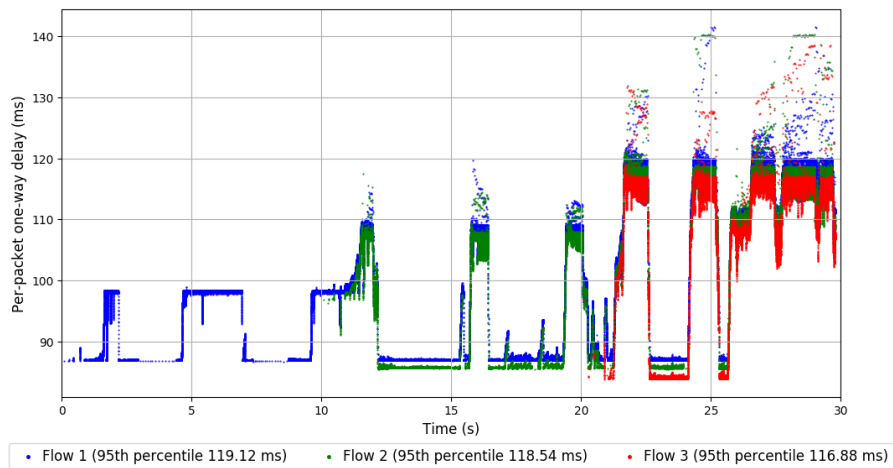
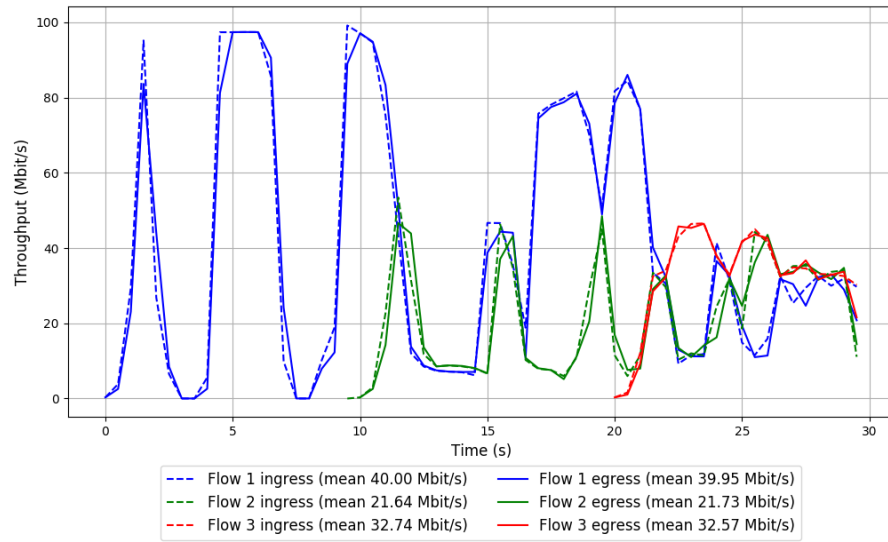
Run 1: Statistics of QUIC Cubic

Start at: 2018-02-20 09:50:06  
End at: 2018-02-20 09:50:36  
Local clock offset: -15.682 ms  
Remote clock offset: -4.304 ms

# Below is generated by plot.py at 2018-02-20 17:45:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 64.96 Mbit/s  
95th percentile per-packet one-way delay: 118.565 ms  
Loss rate: 0.95%  
-- Flow 1:  
Average throughput: 39.95 Mbit/s  
95th percentile per-packet one-way delay: 119.124 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 21.73 Mbit/s  
95th percentile per-packet one-way delay: 118.537 ms  
Loss rate: 0.51%  
-- Flow 3:  
Average throughput: 32.57 Mbit/s  
95th percentile per-packet one-way delay: 116.883 ms  
Loss rate: 2.46%



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

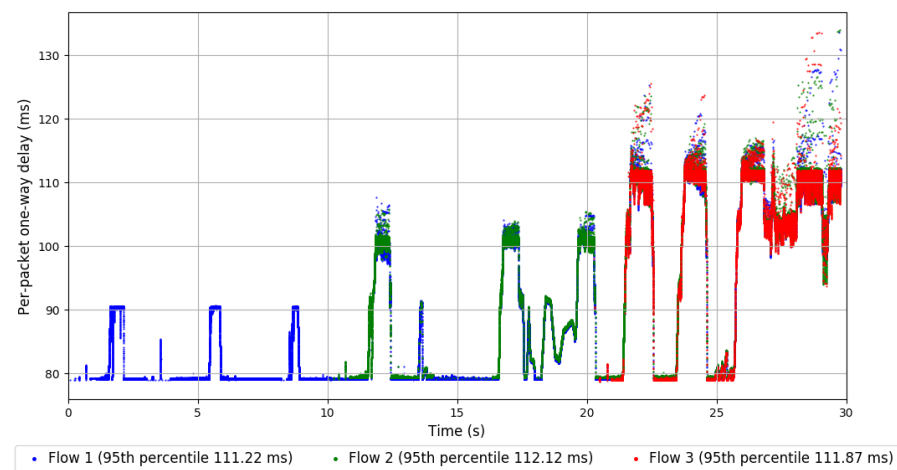
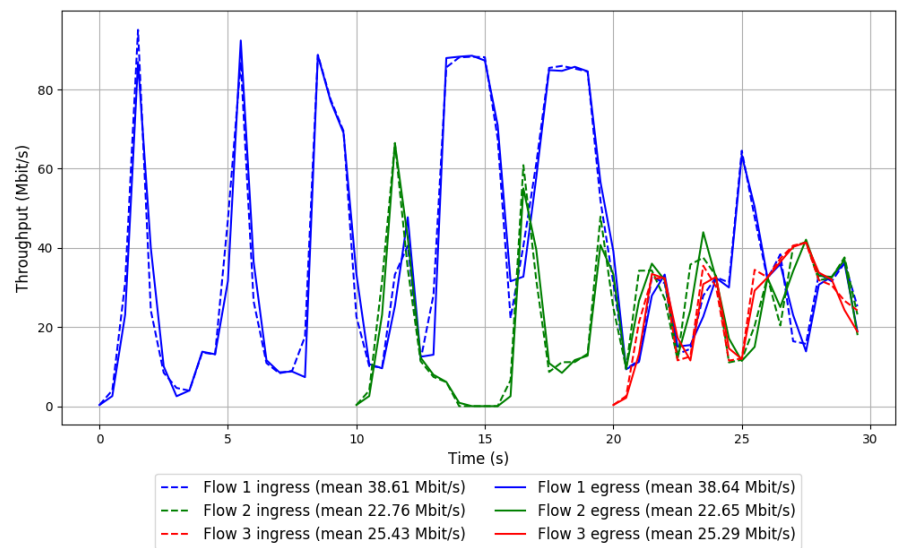


Run 2: Statistics of QUIC Cubic

Start at: 2018-02-20 10:13:39  
End at: 2018-02-20 10:14:09  
Local clock offset: -14.289 ms  
Remote clock offset: 2.258 ms

# Below is generated by plot.py at 2018-02-20 17:45:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 61.87 Mbit/s  
95th percentile per-packet one-way delay: 111.781 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 38.64 Mbit/s  
95th percentile per-packet one-way delay: 111.222 ms  
Loss rate: 0.55%  
-- Flow 2:  
Average throughput: 22.65 Mbit/s  
95th percentile per-packet one-way delay: 112.123 ms  
Loss rate: 1.40%  
-- Flow 3:  
Average throughput: 25.29 Mbit/s  
95th percentile per-packet one-way delay: 111.872 ms  
Loss rate: 2.55%

Run 2: Report of QUIC Cubic — Data Link

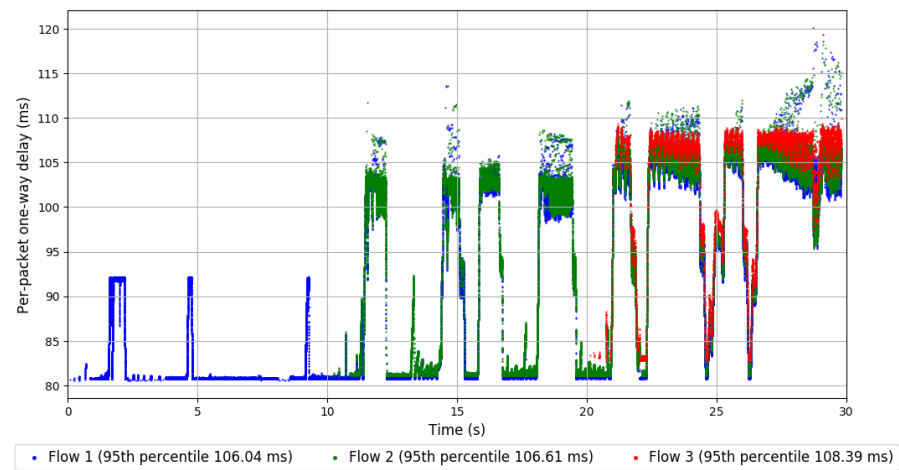
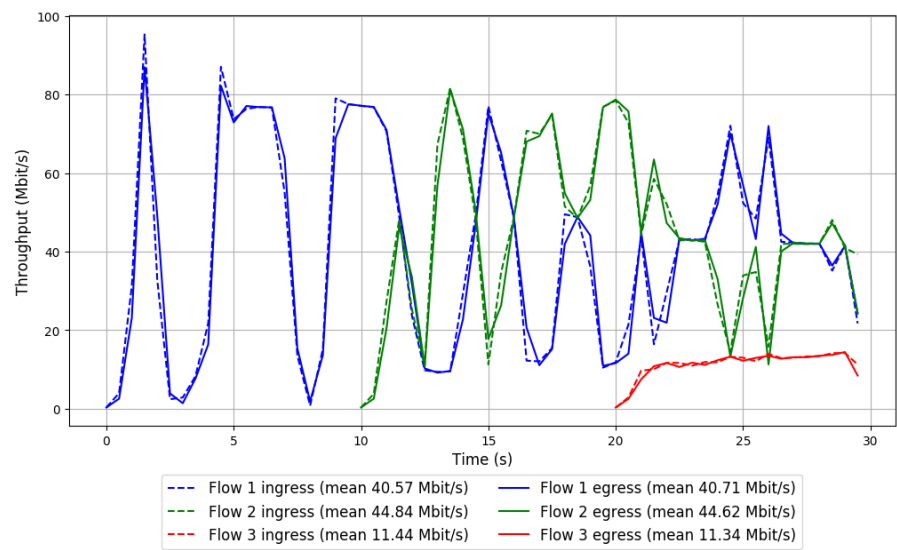


Run 3: Statistics of QUIC Cubic

Start at: 2018-02-20 10:37:19  
End at: 2018-02-20 10:37:49  
Local clock offset: -14.518 ms  
Remote clock offset: 0.343 ms

# Below is generated by plot.py at 2018-02-20 17:45:52  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 73.98 Mbit/s  
95th percentile per-packet one-way delay: 106.720 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 40.71 Mbit/s  
95th percentile per-packet one-way delay: 106.041 ms  
Loss rate: 0.24%  
-- Flow 2:  
Average throughput: 44.62 Mbit/s  
95th percentile per-packet one-way delay: 106.614 ms  
Loss rate: 1.34%  
-- Flow 3:  
Average throughput: 11.34 Mbit/s  
95th percentile per-packet one-way delay: 108.395 ms  
Loss rate: 2.58%

Run 3: Report of QUIC Cubic — Data Link

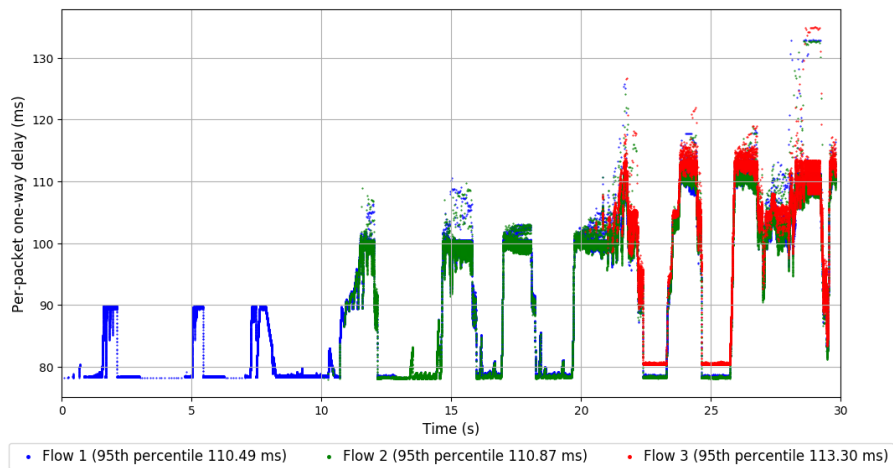
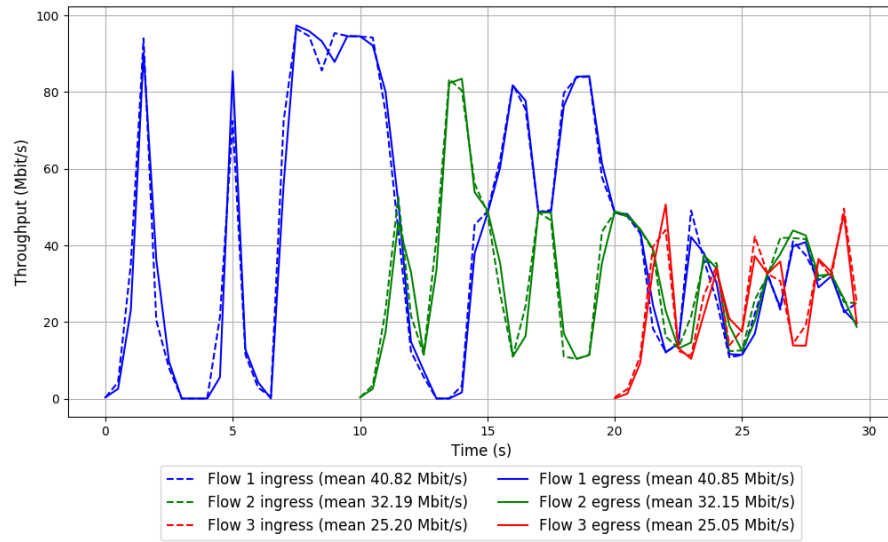


Run 4: Statistics of QUIC Cubic

Start at: 2018-02-20 11:00:48  
End at: 2018-02-20 11:01:18  
Local clock offset: -14.381 ms  
Remote clock offset: 1.175 ms

# Below is generated by plot.py at 2018-02-20 17:46:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 70.29 Mbit/s  
95th percentile per-packet one-way delay: 111.208 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 40.85 Mbit/s  
95th percentile per-packet one-way delay: 110.493 ms  
Loss rate: 0.52%  
-- Flow 2:  
Average throughput: 32.15 Mbit/s  
95th percentile per-packet one-way delay: 110.874 ms  
Loss rate: 1.00%  
-- Flow 3:  
Average throughput: 25.05 Mbit/s  
95th percentile per-packet one-way delay: 113.304 ms  
Loss rate: 2.68%

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



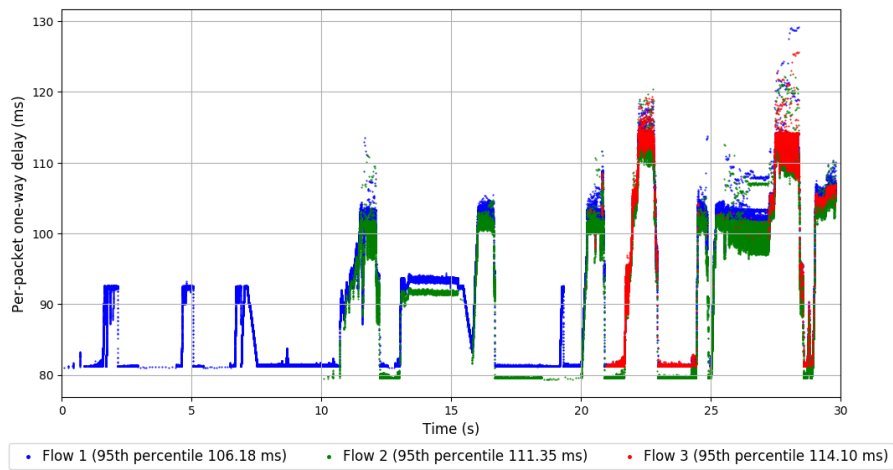
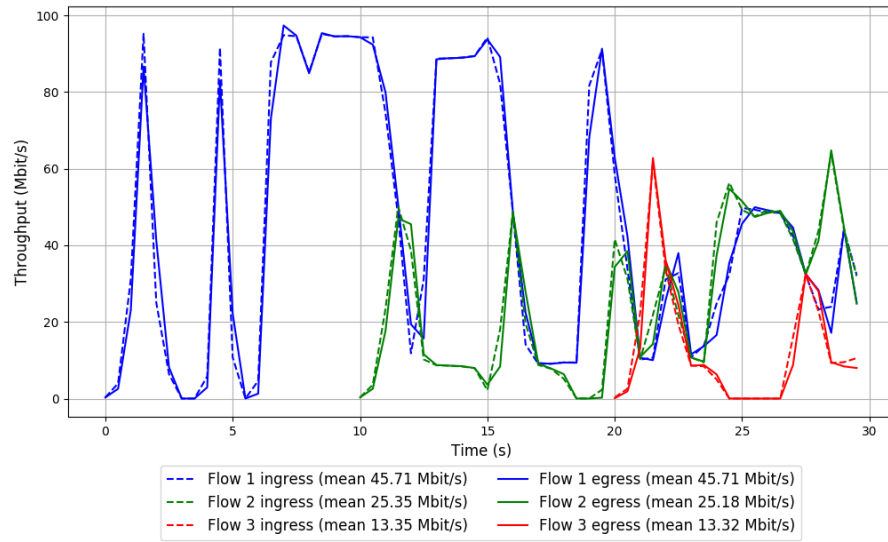
Run 5: Statistics of QUIC Cubic

Start at: 2018-02-20 11:24:16  
End at: 2018-02-20 11:24:46  
Local clock offset: -13.867 ms  
Remote clock offset: 0.353 ms

# Below is generated by plot.py at 2018-02-20 17:46:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 66.73 Mbit/s  
95th percentile per-packet one-way delay: 111.513 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 45.71 Mbit/s  
95th percentile per-packet one-way delay: 106.179 ms  
Loss rate: 0.59%  
-- Flow 2:  
Average throughput: 25.18 Mbit/s  
95th percentile per-packet one-way delay: 111.354 ms  
Loss rate: 1.58%  
-- Flow 3:  
Average throughput: 13.32 Mbit/s  
95th percentile per-packet one-way delay: 114.096 ms  
Loss rate: 2.06%



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

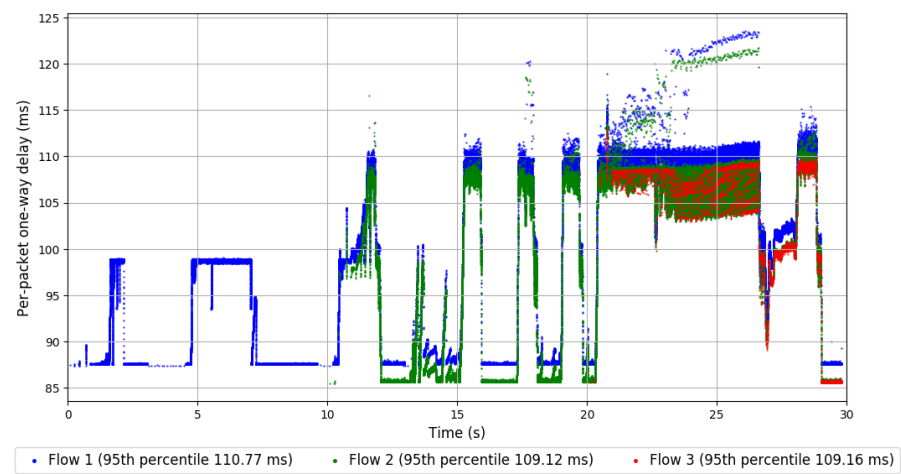
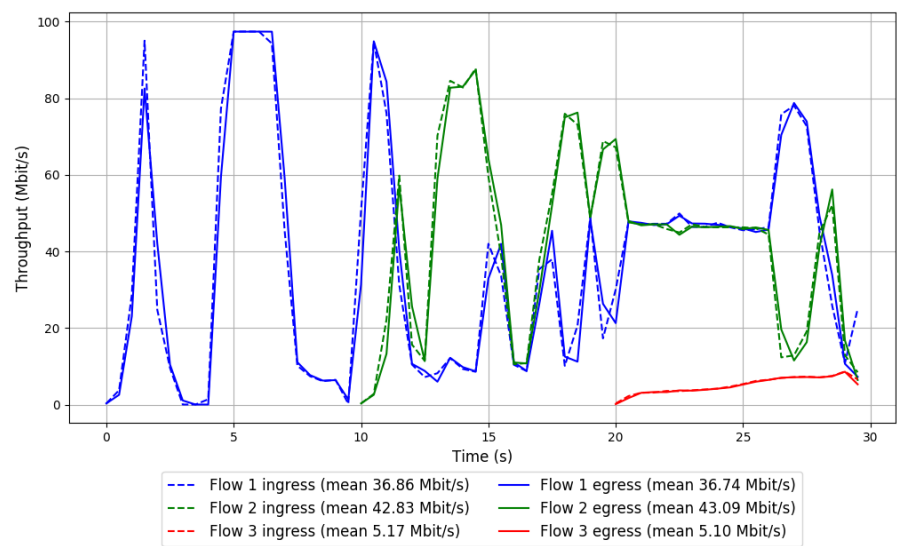


Run 6: Statistics of QUIC Cubic

Start at: 2018-02-20 11:47:48  
End at: 2018-02-20 11:48:18  
Local clock offset: -14.611 ms  
Remote clock offset: -4.436 ms

# Below is generated by plot.py at 2018-02-20 17:46:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 66.97 Mbit/s  
95th percentile per-packet one-way delay: 110.447 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 36.74 Mbit/s  
95th percentile per-packet one-way delay: 110.765 ms  
Loss rate: 0.90%  
-- Flow 2:  
Average throughput: 43.09 Mbit/s  
95th percentile per-packet one-way delay: 109.119 ms  
Loss rate: 0.23%  
-- Flow 3:  
Average throughput: 5.10 Mbit/s  
95th percentile per-packet one-way delay: 109.160 ms  
Loss rate: 2.91%

Run 6: Report of QUIC Cubic — Data Link

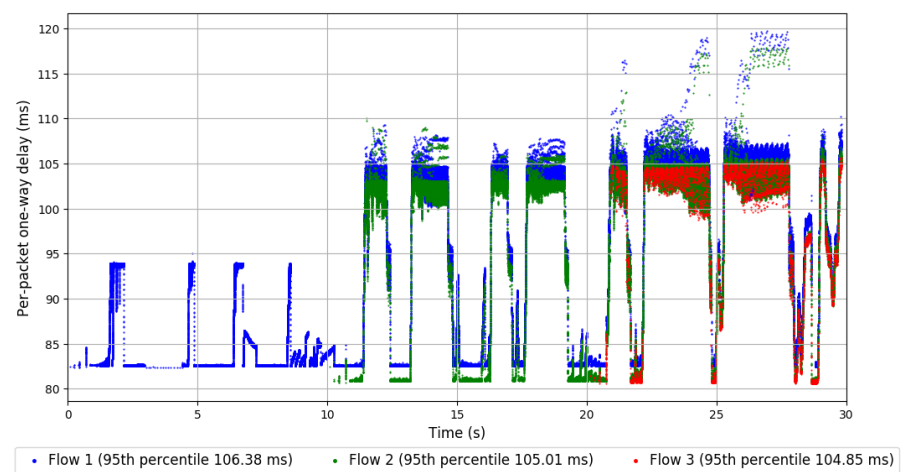
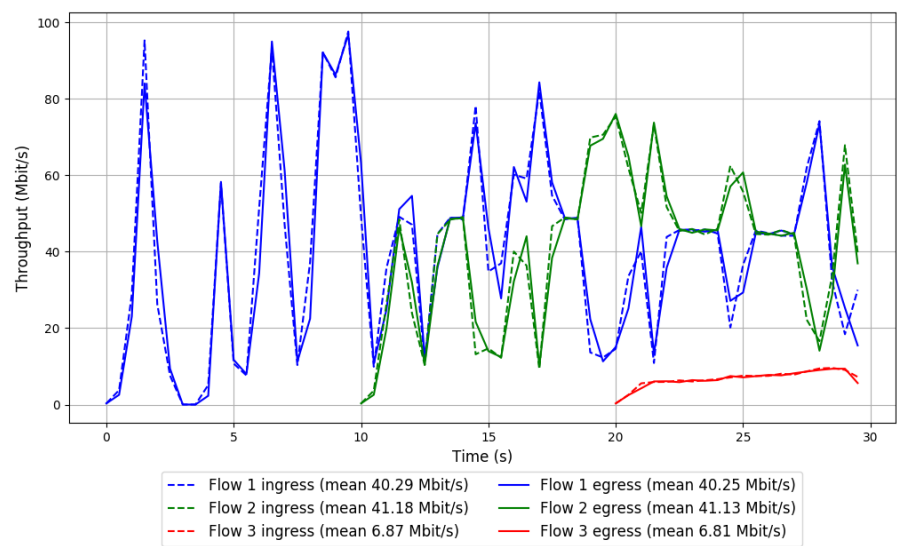


Run 7: Statistics of QUIC Cubic

Start at: 2018-02-20 12:11:21  
End at: 2018-02-20 12:11:51  
Local clock offset: -13.025 ms  
Remote clock offset: 0.795 ms

# Below is generated by plot.py at 2018-02-20 17:47:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 69.73 Mbit/s  
95th percentile per-packet one-way delay: 106.025 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 40.25 Mbit/s  
95th percentile per-packet one-way delay: 106.377 ms  
Loss rate: 0.70%  
-- Flow 2:  
Average throughput: 41.13 Mbit/s  
95th percentile per-packet one-way delay: 105.012 ms  
Loss rate: 1.04%  
-- Flow 3:  
Average throughput: 6.81 Mbit/s  
95th percentile per-packet one-way delay: 104.847 ms  
Loss rate: 2.54%

Run 7: Report of QUIC Cubic — Data Link

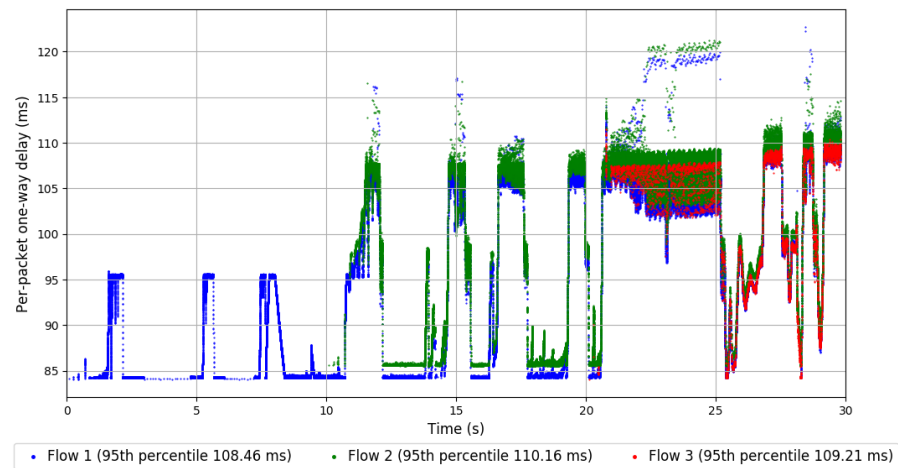
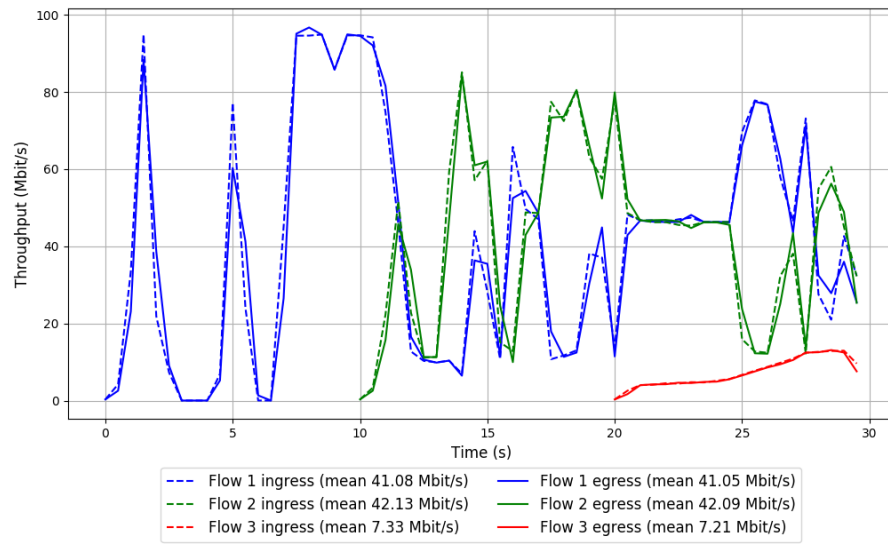


Run 8: Statistics of QUIC Cubic

Start at: 2018-02-20 12:34:57  
End at: 2018-02-20 12:35:27  
Local clock offset: -10.557 ms  
Remote clock offset: -4.197 ms

# Below is generated by plot.py at 2018-02-20 17:47:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 71.31 Mbit/s  
95th percentile per-packet one-way delay: 109.168 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 41.05 Mbit/s  
95th percentile per-packet one-way delay: 108.458 ms  
Loss rate: 0.66%  
-- Flow 2:  
Average throughput: 42.09 Mbit/s  
95th percentile per-packet one-way delay: 110.158 ms  
Loss rate: 0.97%  
-- Flow 3:  
Average throughput: 7.21 Mbit/s  
95th percentile per-packet one-way delay: 109.211 ms  
Loss rate: 3.32%

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



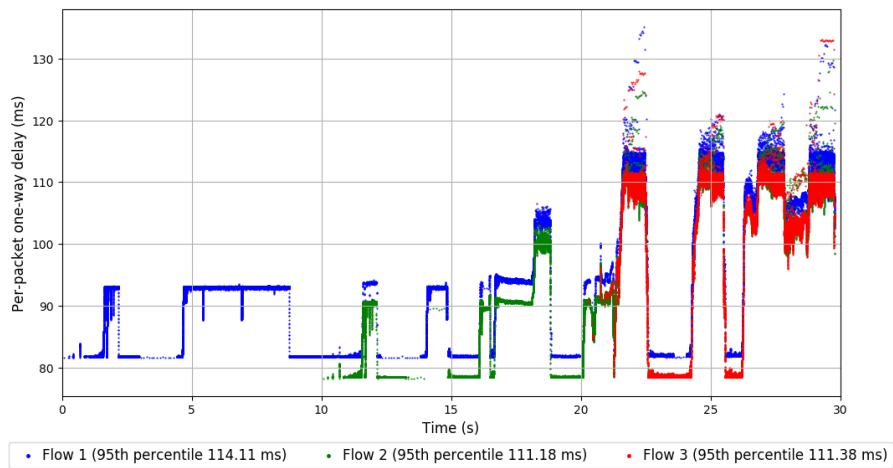
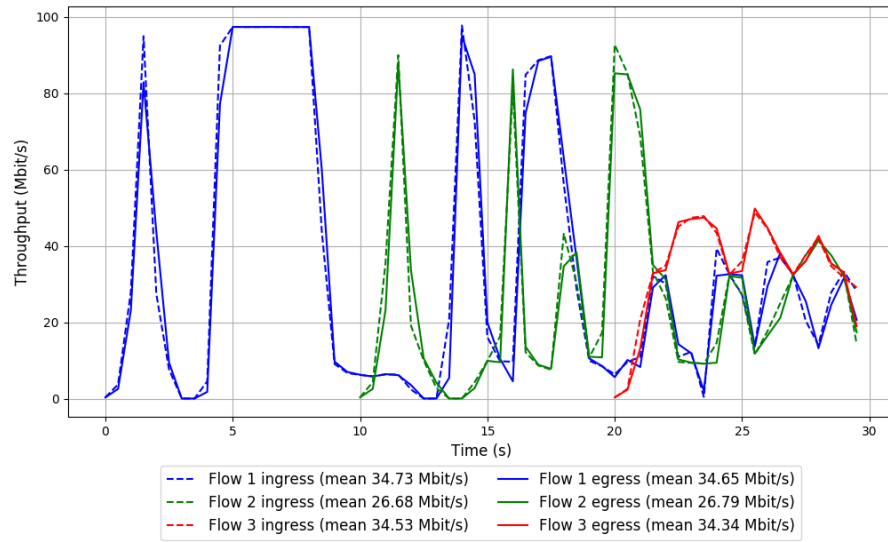
Run 9: Statistics of QUIC Cubic

Start at: 2018-02-20 12:58:35  
End at: 2018-02-20 12:59:05  
Local clock offset: -15.277 ms  
Remote clock offset: 1.509 ms

# Below is generated by plot.py at 2018-02-20 17:47:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 63.61 Mbit/s  
95th percentile per-packet one-way delay: 113.014 ms  
Loss rate: 0.96%  
-- Flow 1:  
Average throughput: 34.65 Mbit/s  
95th percentile per-packet one-way delay: 114.108 ms  
Loss rate: 0.77%  
-- Flow 2:  
Average throughput: 26.79 Mbit/s  
95th percentile per-packet one-way delay: 111.176 ms  
Loss rate: 0.40%  
-- Flow 3:  
Average throughput: 34.34 Mbit/s  
95th percentile per-packet one-way delay: 111.375 ms  
Loss rate: 2.42%



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

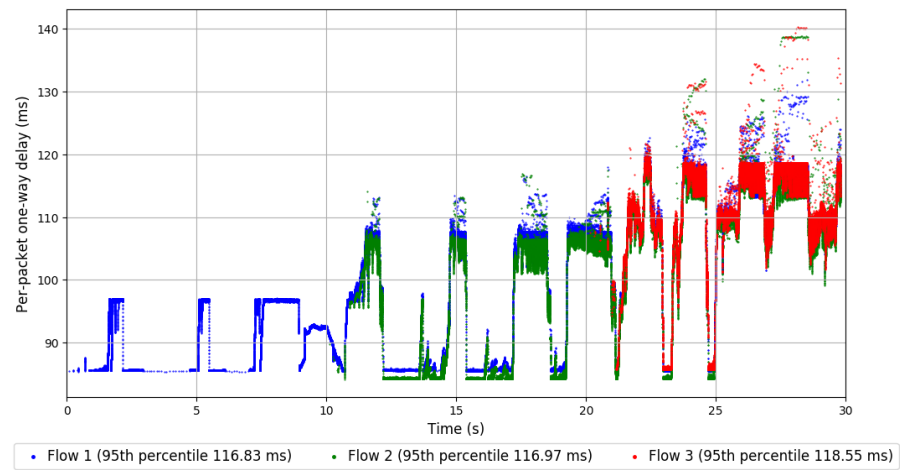
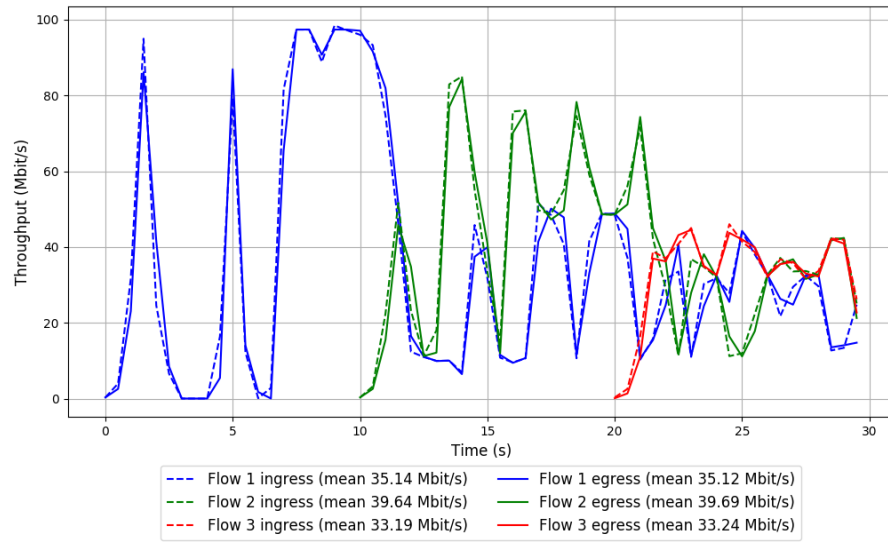


Run 10: Statistics of QUIC Cubic

Start at: 2018-02-20 13:22:08  
End at: 2018-02-20 13:22:38  
Local clock offset: -13.326 ms  
Remote clock offset: -4.105 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 72.22 Mbit/s  
95th percentile per-packet one-way delay: 117.248 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 35.12 Mbit/s  
95th percentile per-packet one-way delay: 116.828 ms  
Loss rate: 0.62%  
-- Flow 2:  
Average throughput: 39.69 Mbit/s  
95th percentile per-packet one-way delay: 116.966 ms  
Loss rate: 0.80%  
-- Flow 3:  
Average throughput: 33.24 Mbit/s  
95th percentile per-packet one-way delay: 118.549 ms  
Loss rate: 2.00%

# Run 10: Report of QUIC Cubic — Data Link

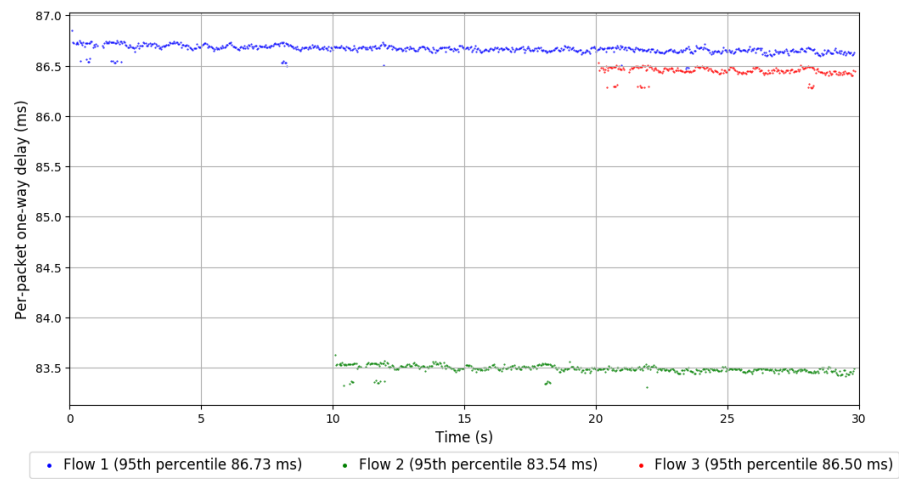
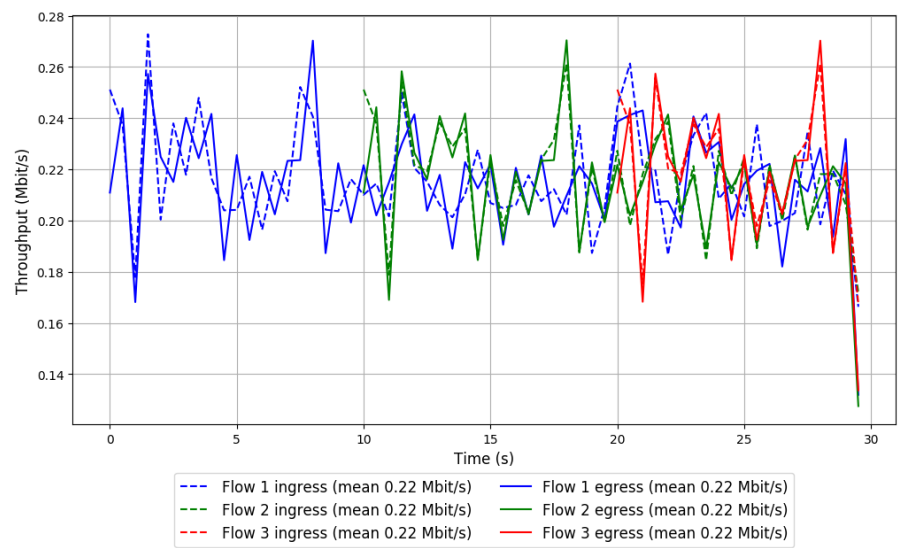


Run 1: Statistics of SReAM

Start at: 2018-02-20 09:51:24  
End at: 2018-02-20 09:51:54  
Local clock offset: -15.452 ms  
Remote clock offset: -3.544 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 86.716 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.728 ms  
Loss rate: 0.51%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.542 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.495 ms  
Loss rate: 1.50%

Run 1: Report of SReAM — Data Link

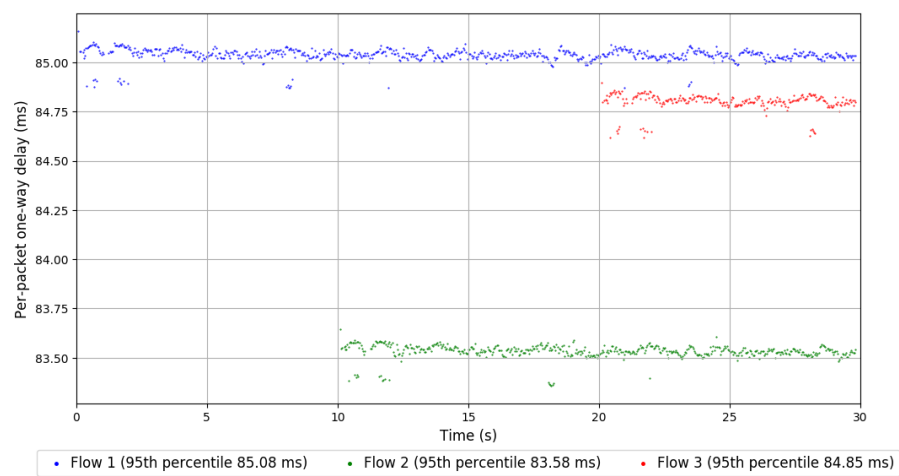
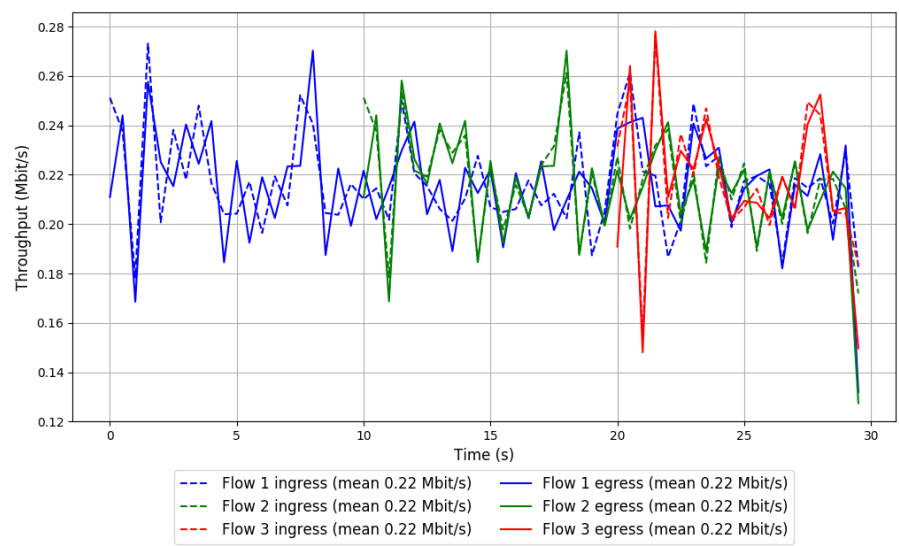


Run 2: Statistics of SReAM

Start at: 2018-02-20 10:14:56  
End at: 2018-02-20 10:15:26  
Local clock offset: -14.357 ms  
Remote clock offset: -3.557 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 85.068 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 85.077 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 83.575 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 84.846 ms  
Loss rate: 1.50%

Run 2: Report of SReAM — Data Link



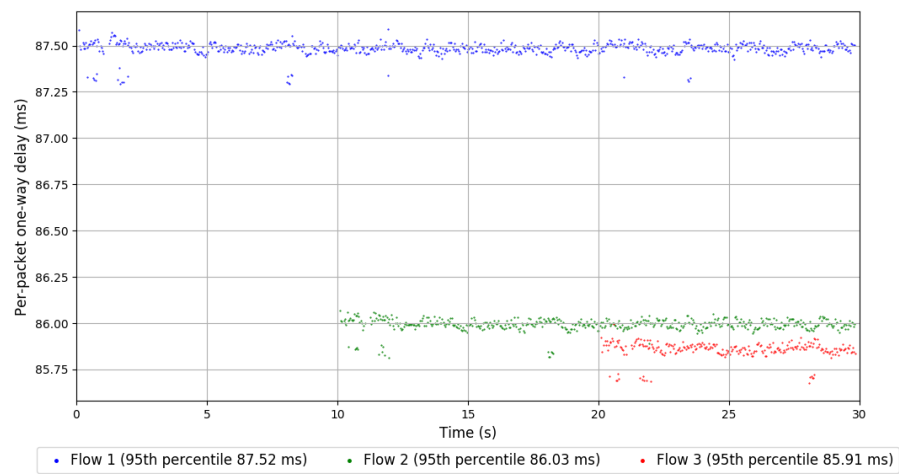
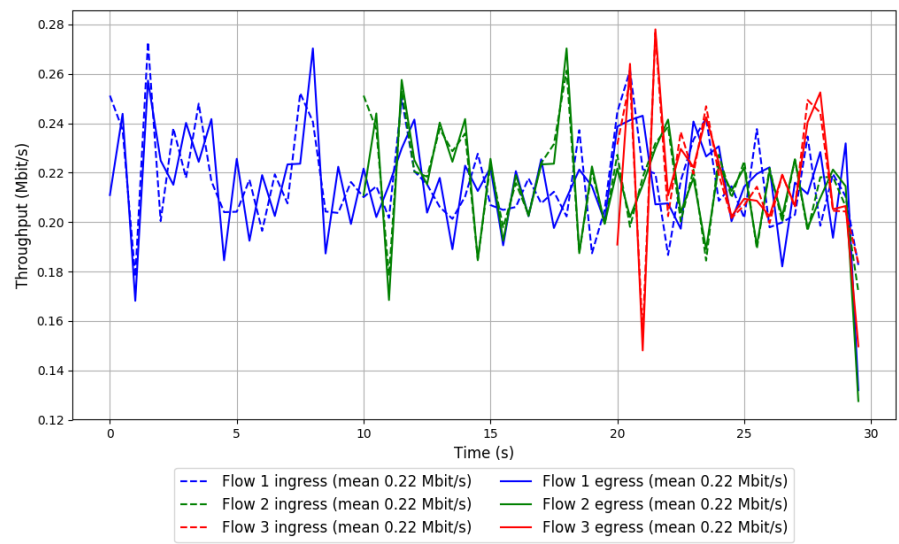
Run 3: Statistics of SReAM

Start at: 2018-02-20 10:38:36  
End at: 2018-02-20 10:39:06  
Local clock offset: -14.518 ms  
Remote clock offset: -4.353 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 87.516 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 87.524 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.033 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 85.907 ms  
Loss rate: 1.50%



Run 3: Report of SReAM — Data Link

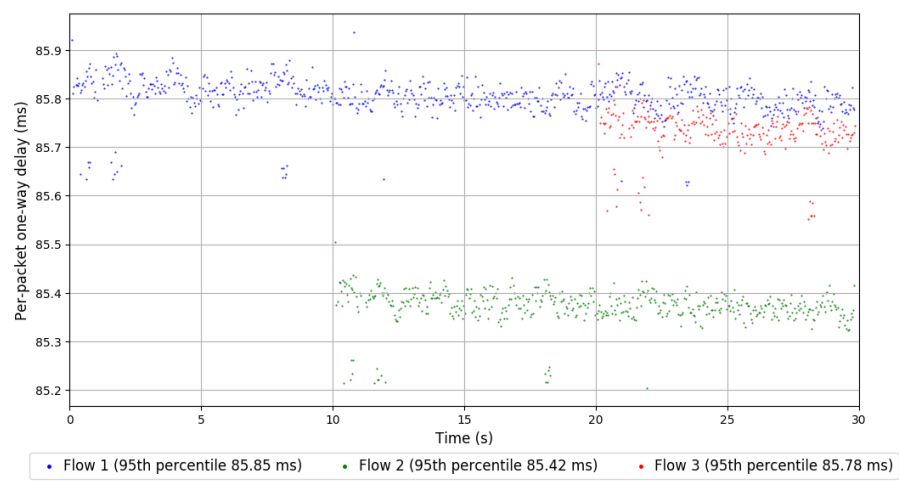
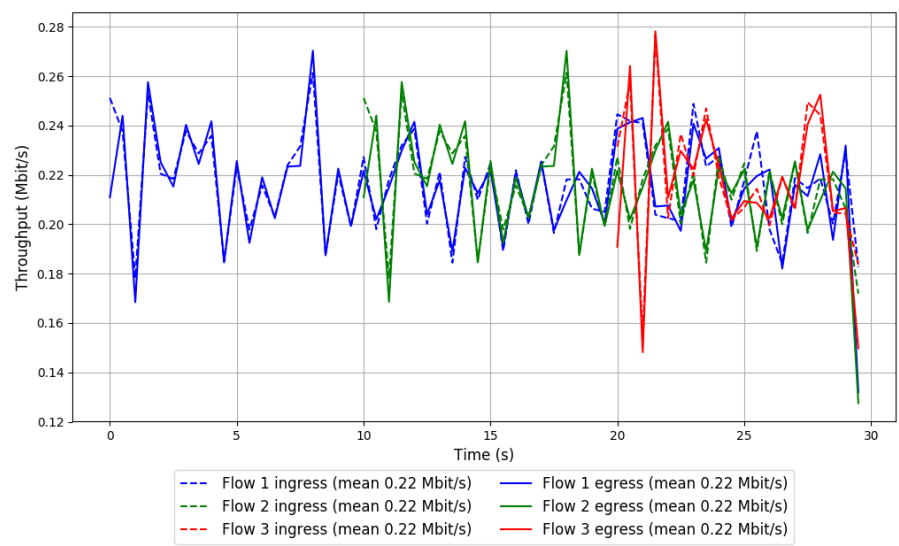


Run 4: Statistics of SReAM

Start at: 2018-02-20 11:02:06  
End at: 2018-02-20 11:02:36  
Local clock offset: -14.328 ms  
Remote clock offset: -4.392 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 85.842 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 85.853 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 85.415 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 85.779 ms  
Loss rate: 1.50%

Run 4: Report of SReAM — Data Link

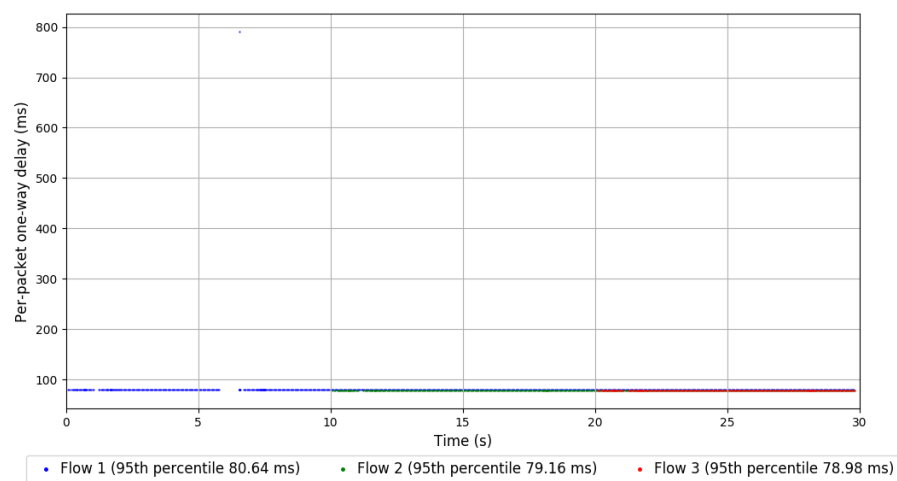
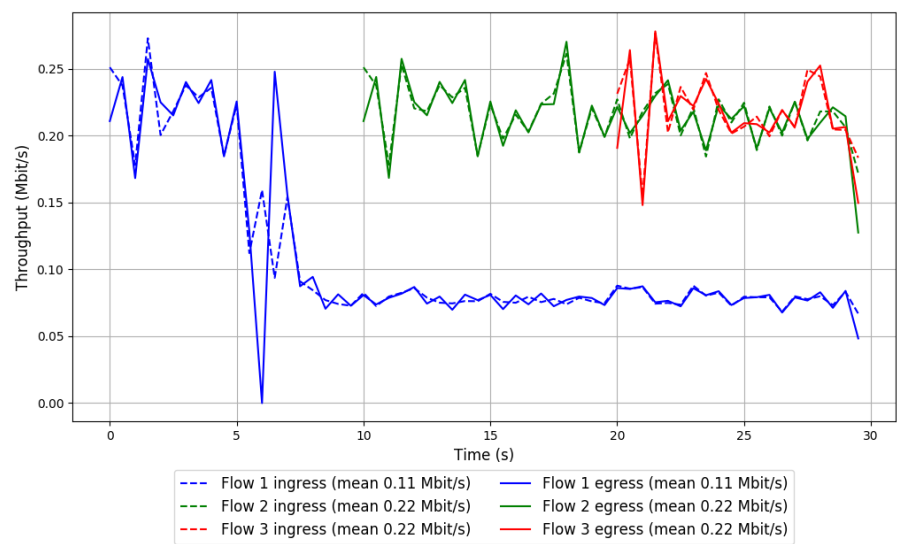


Run 5: Statistics of SReAM

Start at: 2018-02-20 11:25:34  
End at: 2018-02-20 11:26:04  
Local clock offset: -13.905 ms  
Remote clock offset: 2.023 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.33 Mbit/s  
95th percentile per-packet one-way delay: 80.614 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 80.637 ms  
Loss rate: 0.47%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 79.158 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 78.983 ms  
Loss rate: 1.50%

Run 5: Report of SReAM — Data Link

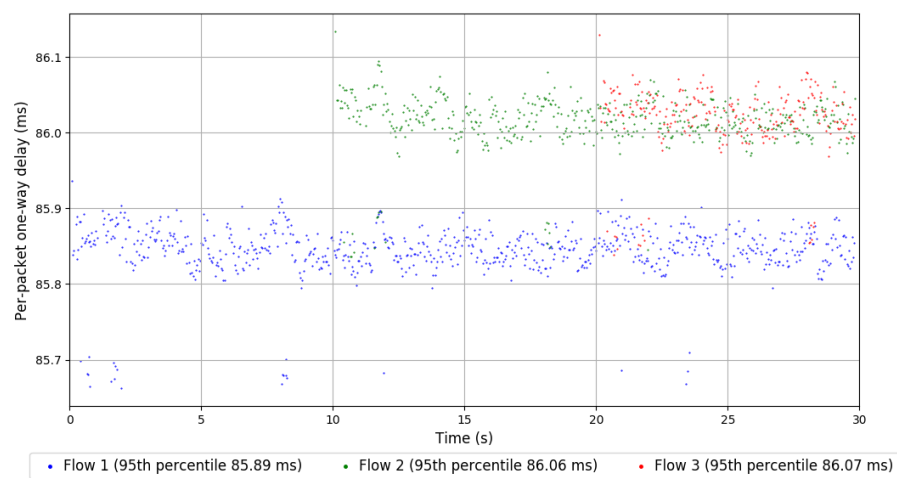
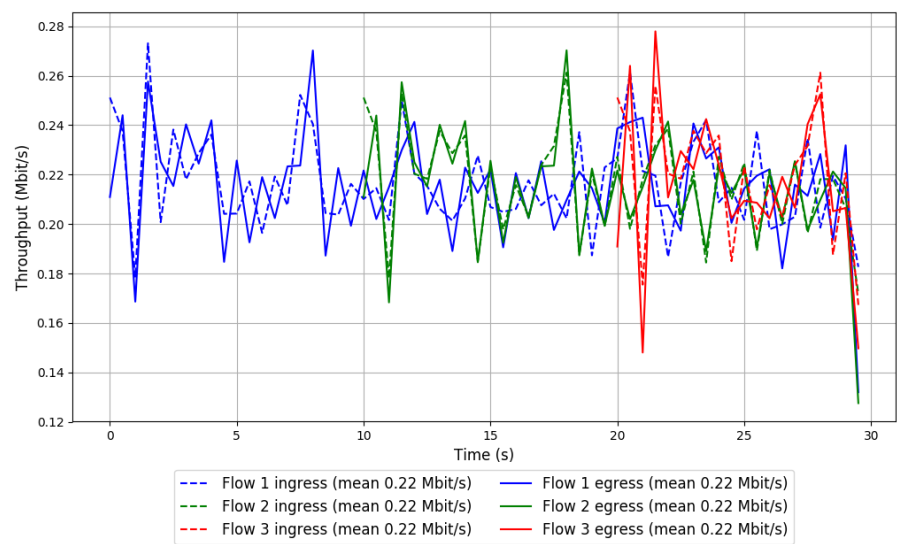


Run 6: Statistics of SReAM

Start at: 2018-02-20 11:49:06  
End at: 2018-02-20 11:49:36  
Local clock offset: -14.698 ms  
Remote clock offset: -4.436 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 86.051 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 85.887 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.056 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 86.066 ms  
Loss rate: 1.50%

Run 6: Report of SReAM — Data Link



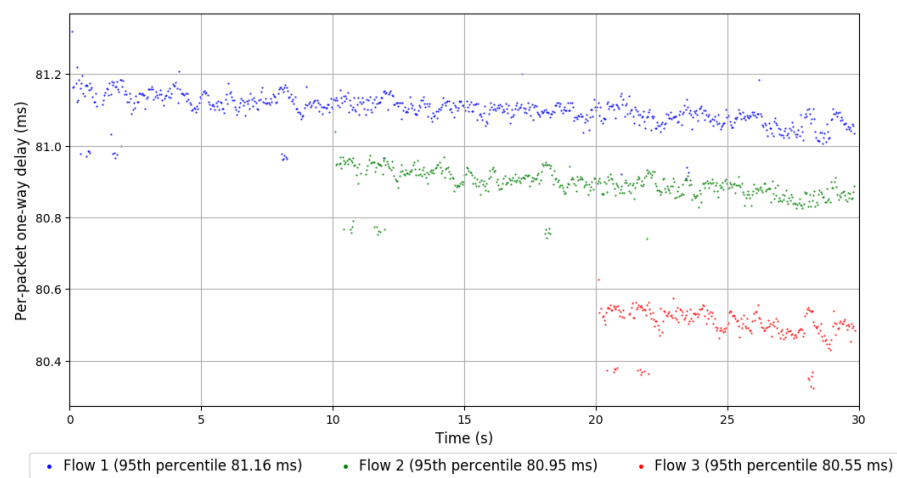
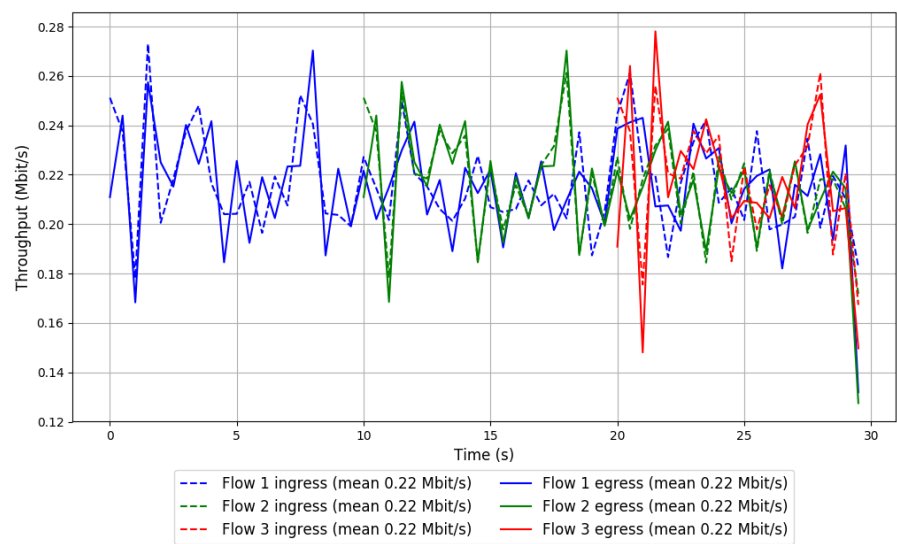
Run 7: Statistics of SReAM

Start at: 2018-02-20 12:12:39  
End at: 2018-02-20 12:13:09  
Local clock offset: -12.749 ms  
Remote clock offset: 0.772 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 81.147 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.162 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.952 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.553 ms  
Loss rate: 1.50%



Run 7: Report of SReAM — Data Link

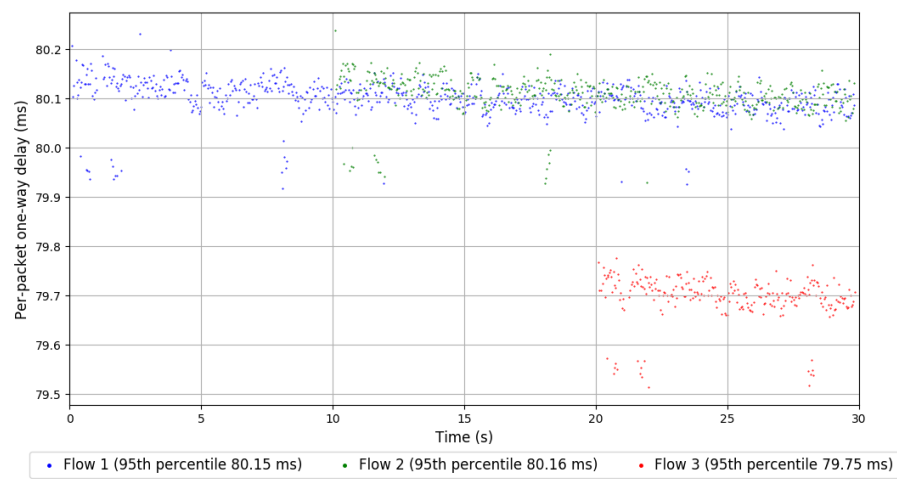
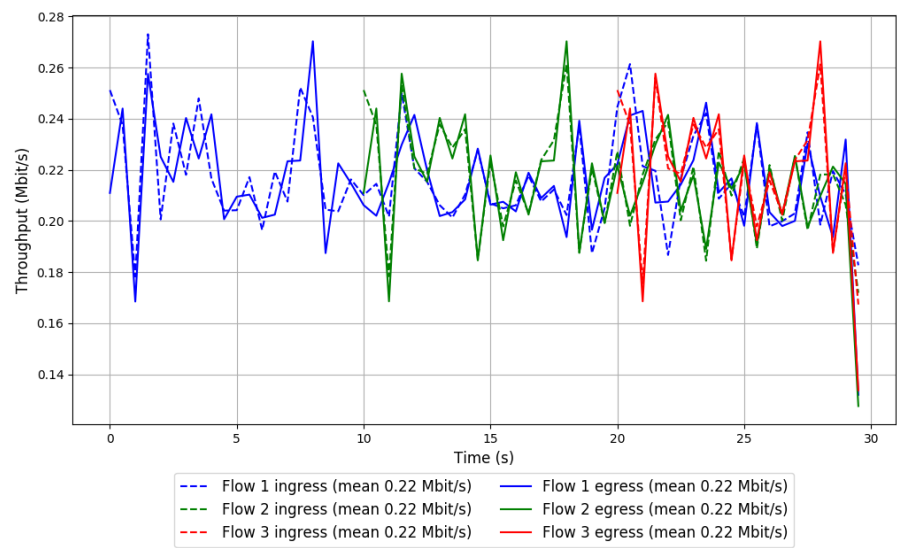


Run 8: Statistics of SReAM

Start at: 2018-02-20 12:36:15  
End at: 2018-02-20 12:36:45  
Local clock offset: -10.497 ms  
Remote clock offset: 1.595 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 80.147 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.146 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.155 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 79.745 ms  
Loss rate: 1.50%

Run 8: Report of SReAM — Data Link

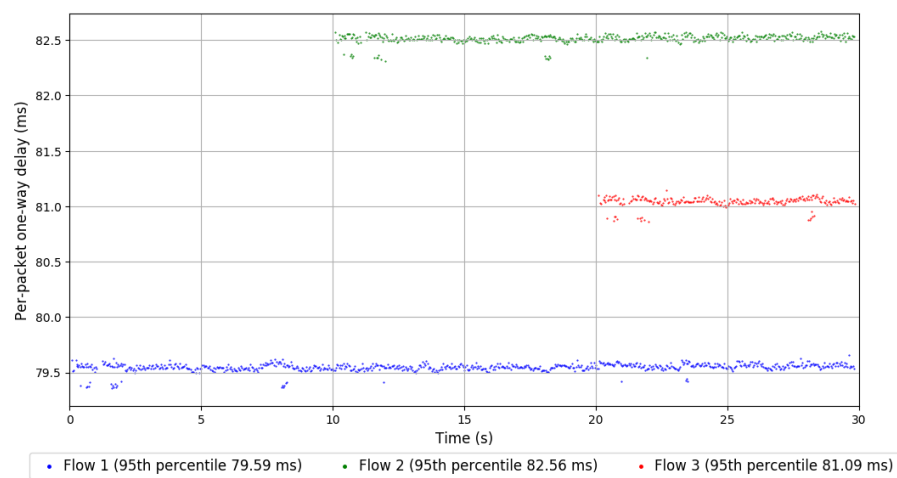
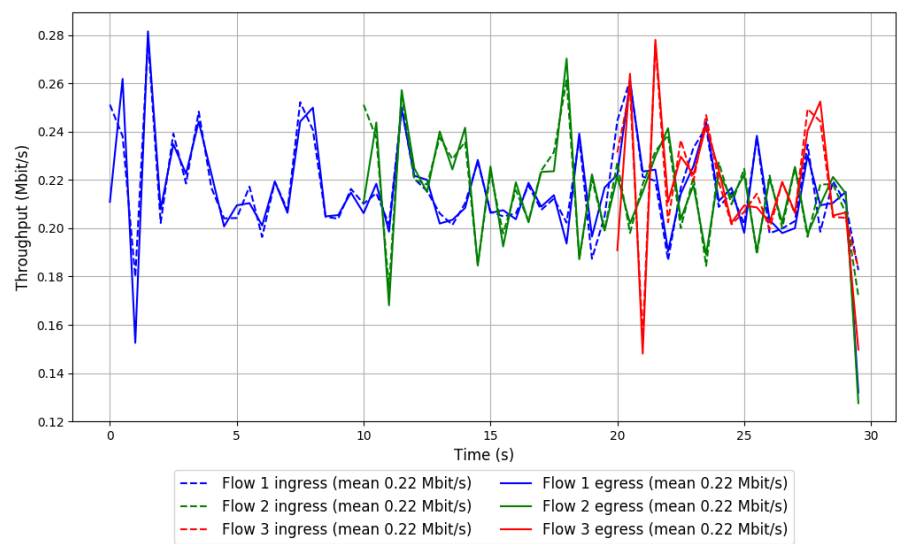


Run 9: Statistics of SReAM

Start at: 2018-02-20 12:59:53  
End at: 2018-02-20 13:00:23  
Local clock offset: -15.414 ms  
Remote clock offset: 0.759 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 82.544 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 79.593 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 82.560 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 81.092 ms  
Loss rate: 1.50%

Run 9: Report of SReAM — Data Link

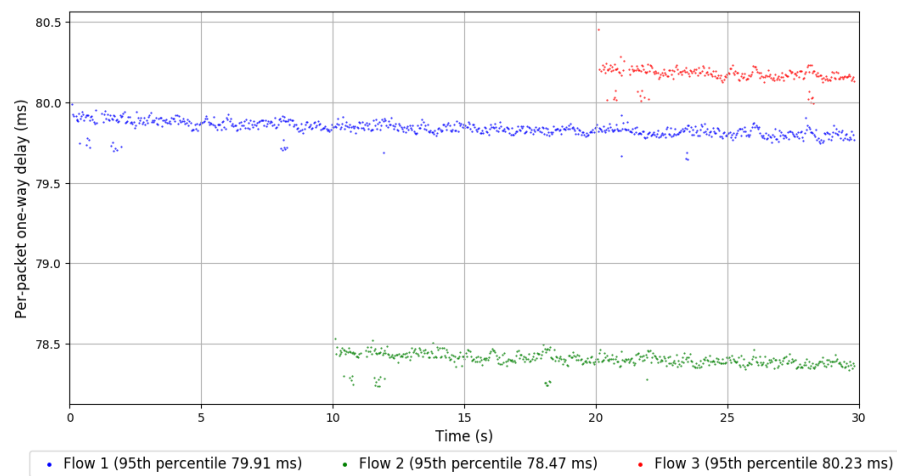
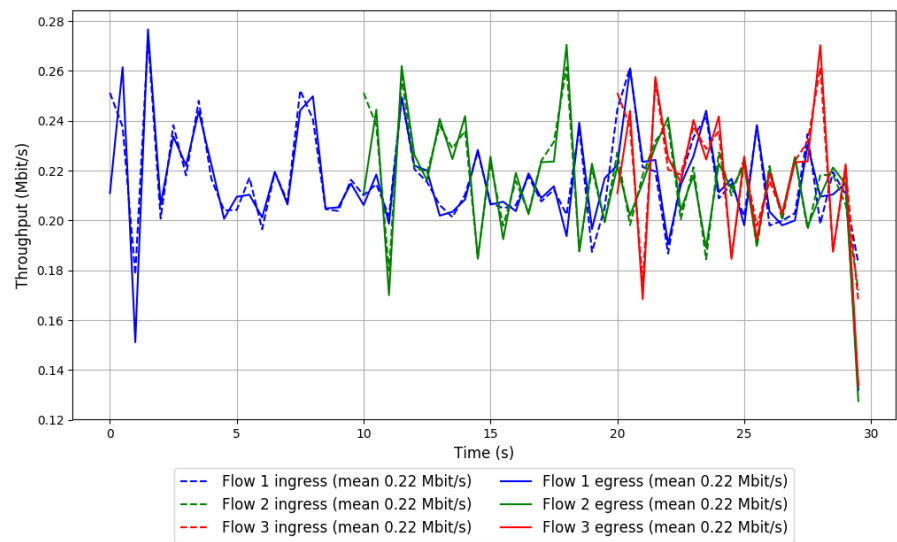


Run 10: Statistics of SReAM

Start at: 2018-02-20 13:23:26  
End at: 2018-02-20 13:23:56  
Local clock offset: -13.062 ms  
Remote clock offset: 1.623 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 0.43 Mbit/s  
95th percentile per-packet one-way delay: 80.195 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 79.910 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 78.465 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 80.233 ms  
Loss rate: 1.50%

Run 10: Report of SReAM — Data Link



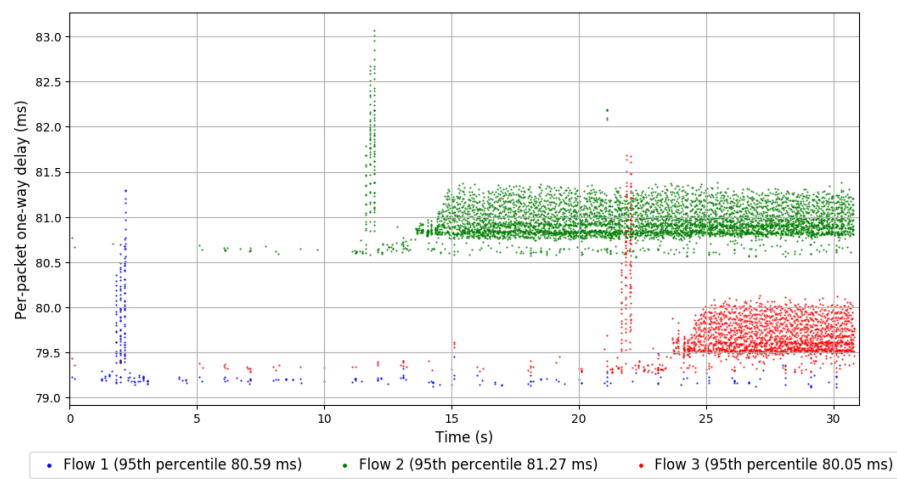
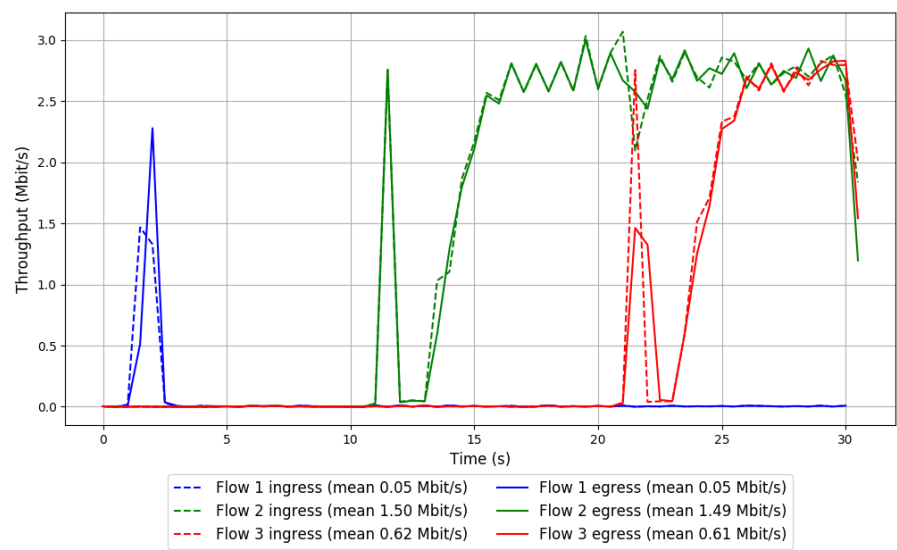
Run 1: Statistics of WebRTC media

Start at: 2018-02-20 09:55:16  
End at: 2018-02-20 09:55:46  
Local clock offset: -15.092 ms  
Remote clock offset: 2.127 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.14 Mbit/s  
95th percentile per-packet one-way delay: 81.241 ms  
Loss rate: 1.39%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 80.592 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.49 Mbit/s  
95th percentile per-packet one-way delay: 81.270 ms  
Loss rate: 1.04%  
-- Flow 3:  
Average throughput: 0.61 Mbit/s  
95th percentile per-packet one-way delay: 80.054 ms  
Loss rate: 2.34%



Run 1: Report of WebRTC media — Data Link

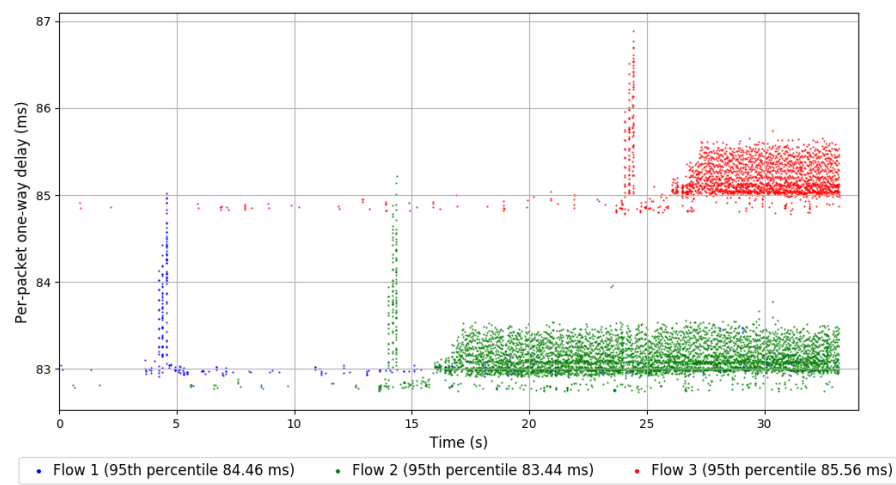
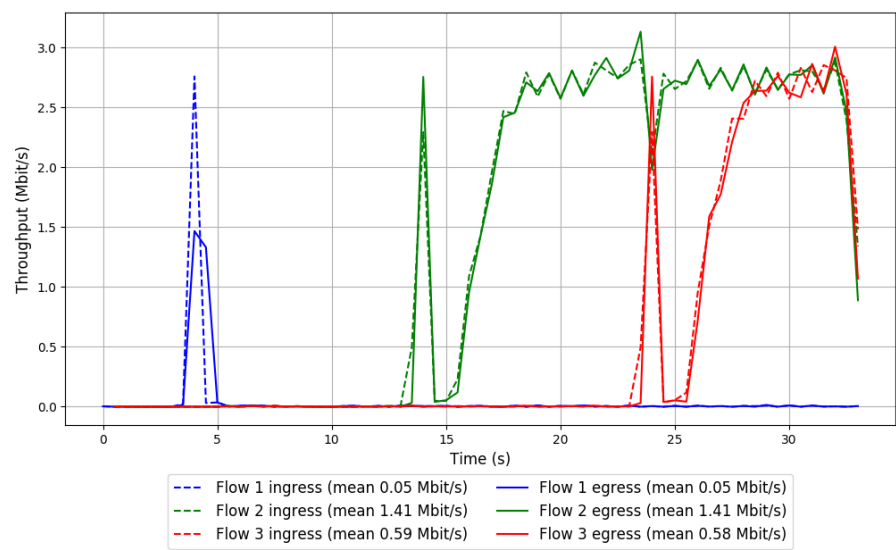


Run 2: Statistics of WebRTC media

Start at: 2018-02-20 10:18:58  
End at: 2018-02-20 10:19:28  
Local clock offset: -14.263 ms  
Remote clock offset: -3.551 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.00 Mbit/s  
95th percentile per-packet one-way delay: 85.419 ms  
Loss rate: 1.34%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 84.460 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.41 Mbit/s  
95th percentile per-packet one-way delay: 83.436 ms  
Loss rate: 0.85%  
-- Flow 3:  
Average throughput: 0.58 Mbit/s  
95th percentile per-packet one-way delay: 85.565 ms  
Loss rate: 2.63%

Run 2: Report of WebRTC media — Data Link

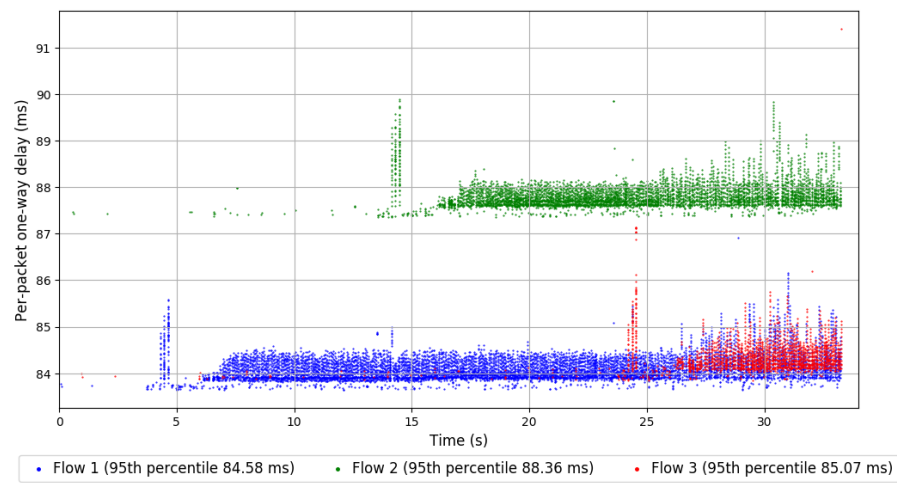
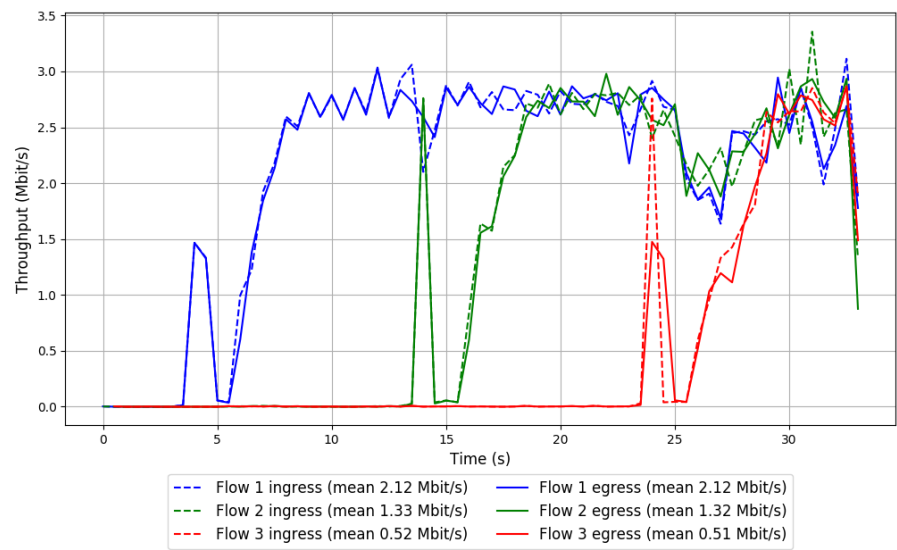


Run 3: Statistics of WebRTC media

Start at: 2018-02-20 10:42:28  
End at: 2018-02-20 10:42:58  
Local clock offset: -14.55 ms  
Remote clock offset: -4.403 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.92 Mbit/s  
95th percentile per-packet one-way delay: 88.039 ms  
Loss rate: 0.94%  
-- Flow 1:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 84.585 ms  
Loss rate: 0.67%  
-- Flow 2:  
Average throughput: 1.32 Mbit/s  
95th percentile per-packet one-way delay: 88.361 ms  
Loss rate: 0.70%  
-- Flow 3:  
Average throughput: 0.51 Mbit/s  
95th percentile per-packet one-way delay: 85.072 ms  
Loss rate: 2.63%

Run 3: Report of WebRTC media — Data Link

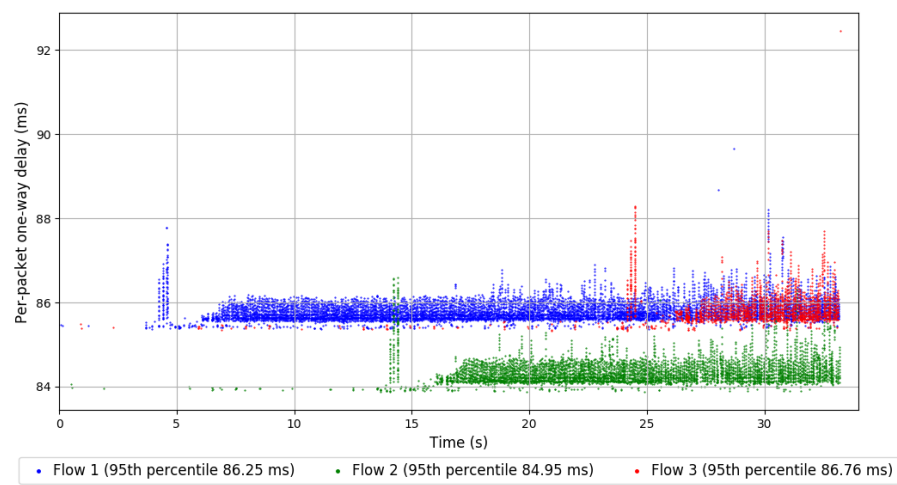
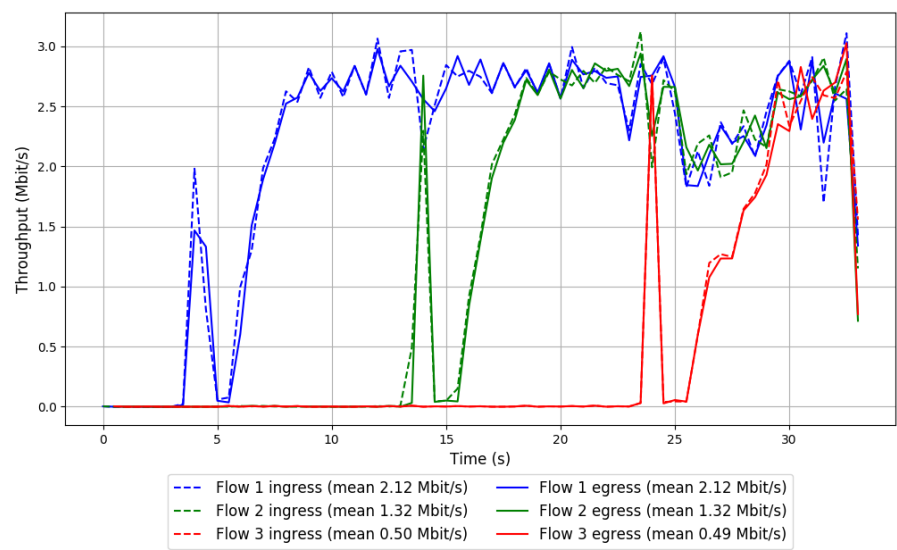


Run 4: Statistics of WebRTC media

Start at: 2018-02-20 11:05:58  
End at: 2018-02-20 11:06:28  
Local clock offset: -14.244 ms  
Remote clock offset: -4.416 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.89 Mbit/s  
95th percentile per-packet one-way delay: 86.220 ms  
Loss rate: 1.06%  
-- Flow 1:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 86.247 ms  
Loss rate: 0.68%  
-- Flow 2:  
Average throughput: 1.32 Mbit/s  
95th percentile per-packet one-way delay: 84.955 ms  
Loss rate: 0.75%  
-- Flow 3:  
Average throughput: 0.49 Mbit/s  
95th percentile per-packet one-way delay: 86.764 ms  
Loss rate: 3.53%

Run 4: Report of WebRTC media — Data Link



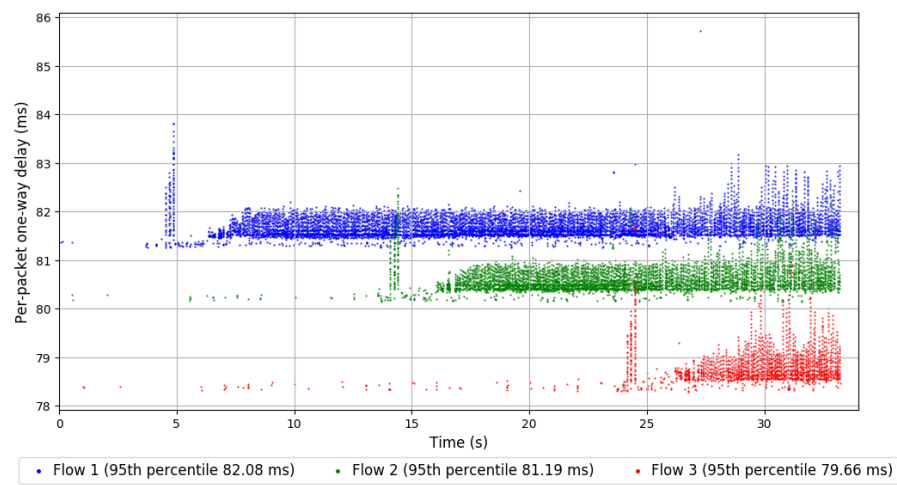
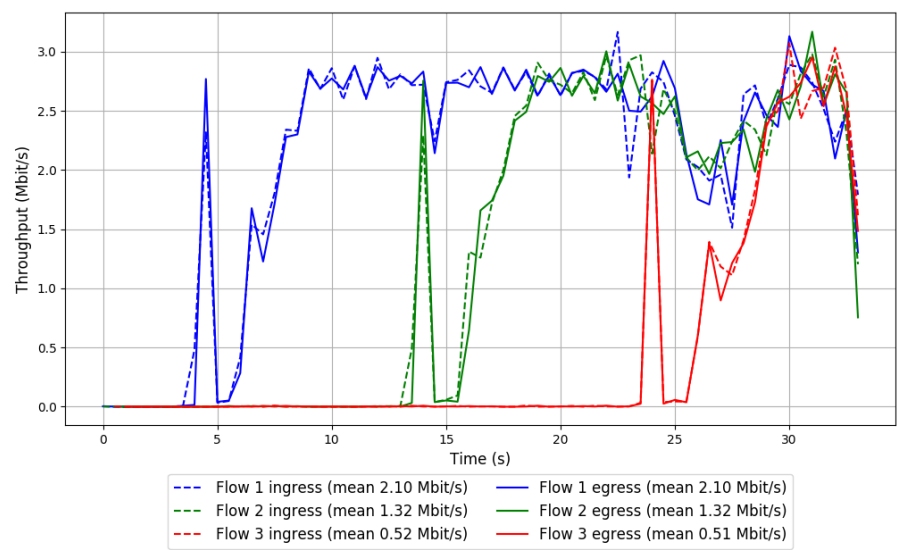
Run 5: Statistics of WebRTC media

Start at: 2018-02-20 11:29:24  
End at: 2018-02-20 11:29:54  
Local clock offset: -13.819 ms  
Remote clock offset: 1.19 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.89 Mbit/s  
95th percentile per-packet one-way delay: 81.999 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 2.10 Mbit/s  
95th percentile per-packet one-way delay: 82.079 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 1.32 Mbit/s  
95th percentile per-packet one-way delay: 81.193 ms  
Loss rate: 0.75%  
-- Flow 3:  
Average throughput: 0.51 Mbit/s  
95th percentile per-packet one-way delay: 79.659 ms  
Loss rate: 2.42%



Run 5: Report of WebRTC media — Data Link

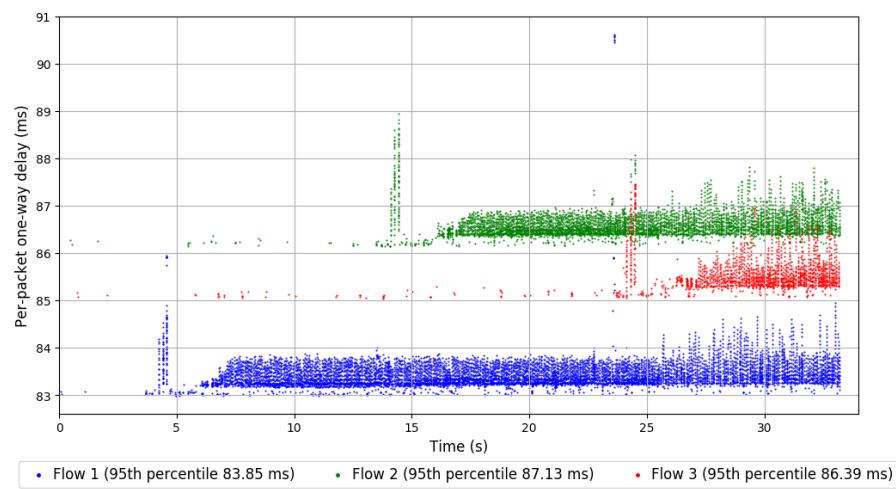
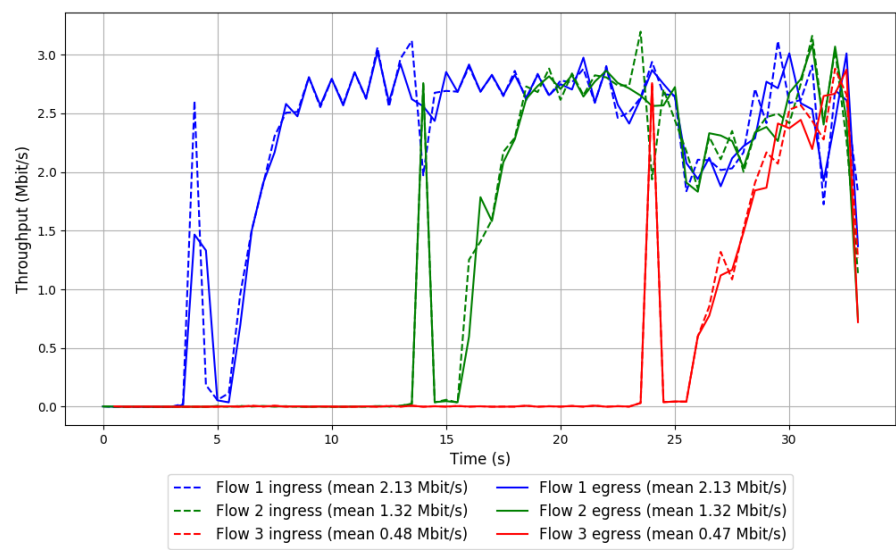


Run 6: Statistics of WebRTC media

Start at: 2018-02-20 11:52:58  
End at: 2018-02-20 11:53:28  
Local clock offset: -14.707 ms  
Remote clock offset: -3.55 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.88 Mbit/s  
95th percentile per-packet one-way delay: 86.844 ms  
Loss rate: 0.96%  
-- Flow 1:  
Average throughput: 2.13 Mbit/s  
95th percentile per-packet one-way delay: 83.847 ms  
Loss rate: 0.64%  
-- Flow 2:  
Average throughput: 1.32 Mbit/s  
95th percentile per-packet one-way delay: 87.130 ms  
Loss rate: 0.73%  
-- Flow 3:  
Average throughput: 0.47 Mbit/s  
95th percentile per-packet one-way delay: 86.388 ms  
Loss rate: 3.05%

Run 6: Report of WebRTC media — Data Link

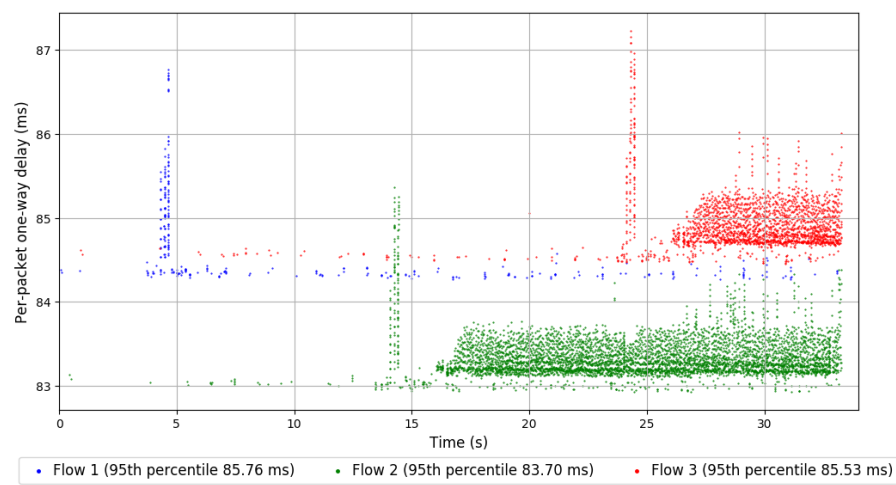
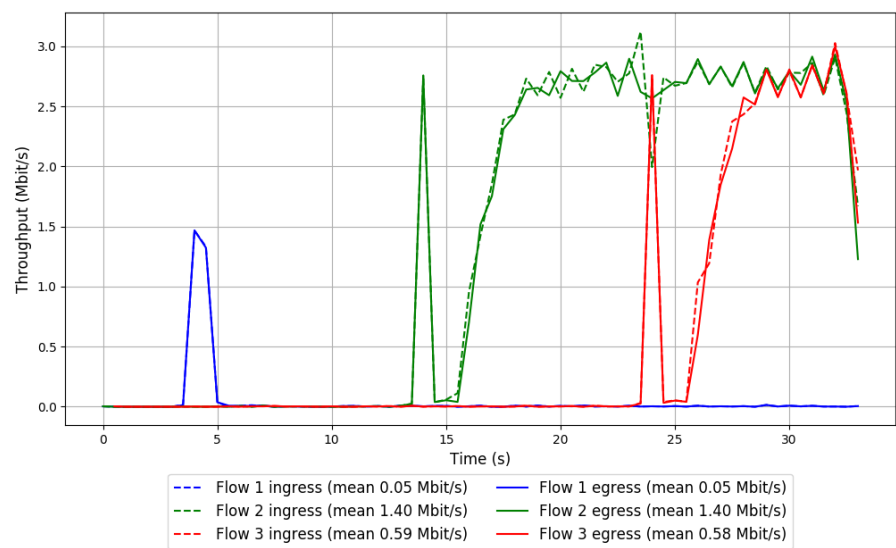


Run 7: Statistics of WebRTC media

Start at: 2018-02-20 12:16:32  
End at: 2018-02-20 12:17:02  
Local clock offset: -12.182 ms  
Remote clock offset: -3.196 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 2.00 Mbit/s  
95th percentile per-packet one-way delay: 85.188 ms  
Loss rate: 1.23%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 85.757 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 1.40 Mbit/s  
95th percentile per-packet one-way delay: 83.704 ms  
Loss rate: 0.83%  
-- Flow 3:  
Average throughput: 0.58 Mbit/s  
95th percentile per-packet one-way delay: 85.529 ms  
Loss rate: 2.29%

Run 7: Report of WebRTC media — Data Link

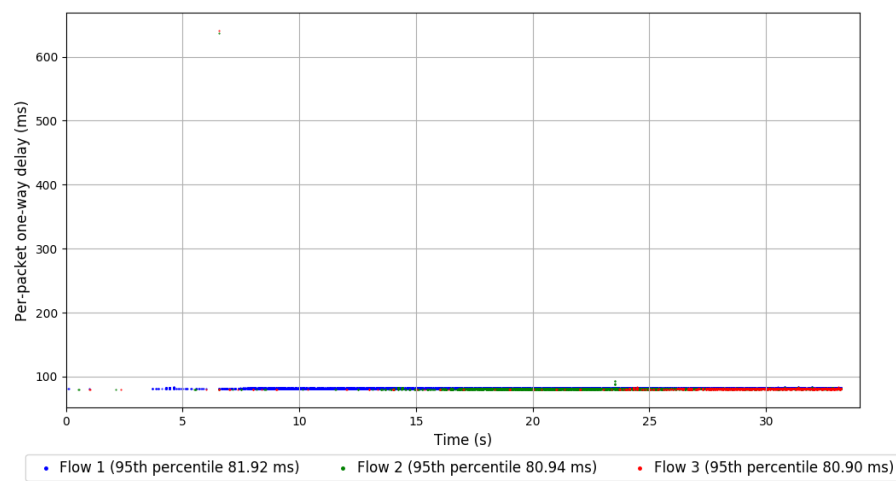
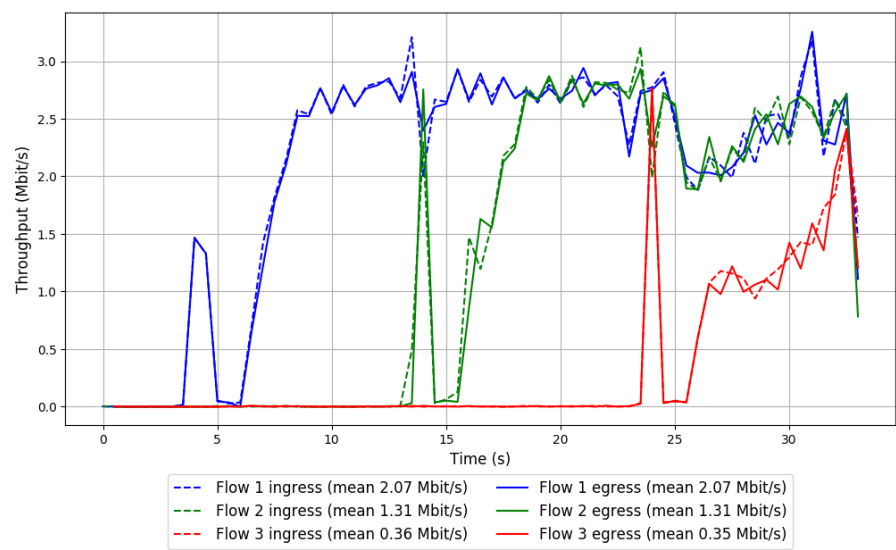


Run 8: Statistics of WebRTC media

Start at: 2018-02-20 12:40:09  
End at: 2018-02-20 12:40:39  
Local clock offset: -10.521 ms  
Remote clock offset: 2.38 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.69 Mbit/s  
95th percentile per-packet one-way delay: 81.826 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 2.07 Mbit/s  
95th percentile per-packet one-way delay: 81.921 ms  
Loss rate: 0.56%  
-- Flow 2:  
Average throughput: 1.31 Mbit/s  
95th percentile per-packet one-way delay: 80.937 ms  
Loss rate: 0.76%  
-- Flow 3:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 80.900 ms  
Loss rate: 3.64%

Run 8: Report of WebRTC media — Data Link



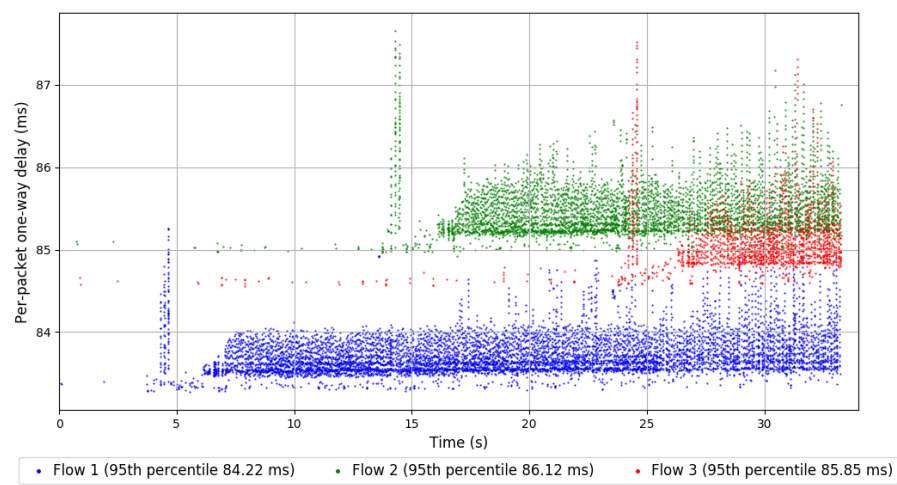
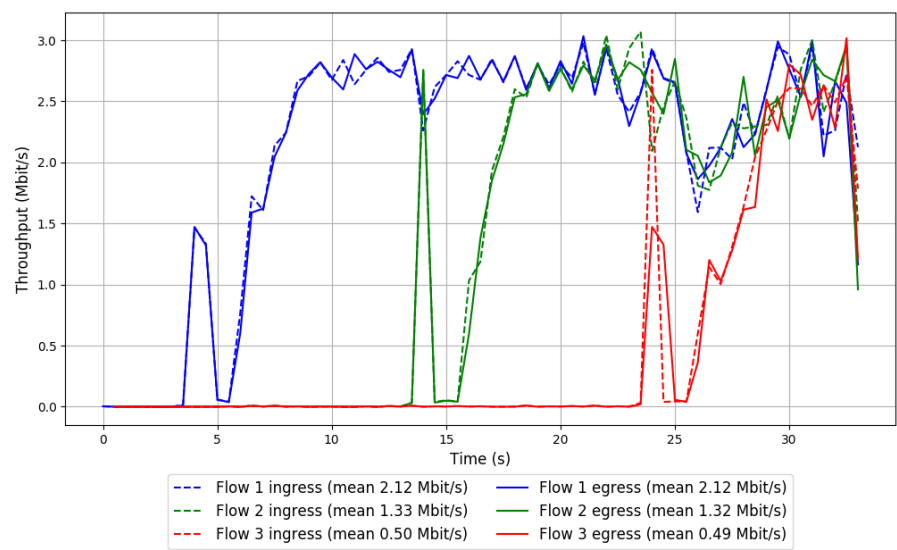
Run 9: Statistics of WebRTC media

Start at: 2018-02-20 13:03:45  
End at: 2018-02-20 13:04:15  
Local clock offset: -15.721 ms  
Remote clock offset: -3.223 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 3.89 Mbit/s  
95th percentile per-packet one-way delay: 85.811 ms  
Loss rate: 1.24%  
-- Flow 1:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 84.222 ms  
Loss rate: 0.97%  
-- Flow 2:  
Average throughput: 1.32 Mbit/s  
95th percentile per-packet one-way delay: 86.118 ms  
Loss rate: 1.12%  
-- Flow 3:  
Average throughput: 0.49 Mbit/s  
95th percentile per-packet one-way delay: 85.853 ms  
Loss rate: 2.67%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-02-20 13:27:19

End at: 2018-02-20 13:27:49

Local clock offset: -12.48 ms

Remote clock offset: 1.621 ms

# Below is generated by plot.py at 2018-02-20 17:47:08

# Datalink statistics

-- Total of 3 flows:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 80.357 ms

Loss rate: 1.23%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 81.144 ms

Loss rate: 0.00%

-- Flow 2:

Average throughput: 1.40 Mbit/s

95th percentile per-packet one-way delay: 80.361 ms

Loss rate: 0.82%

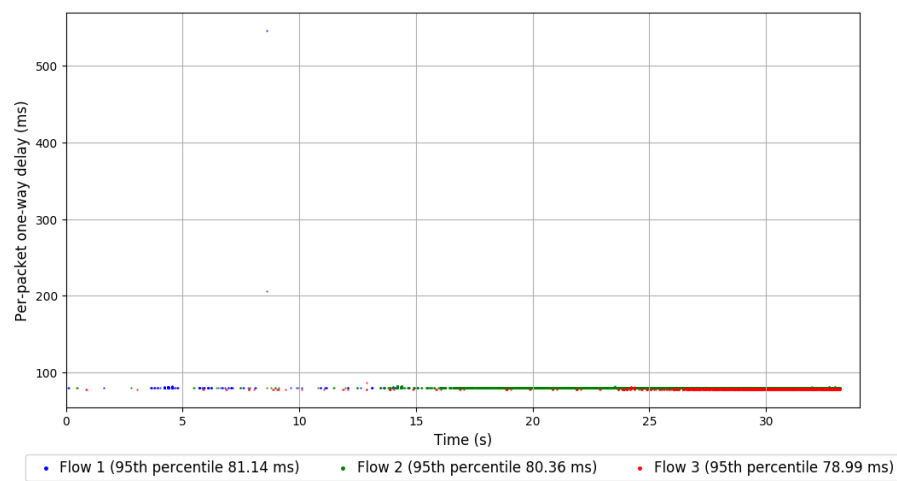
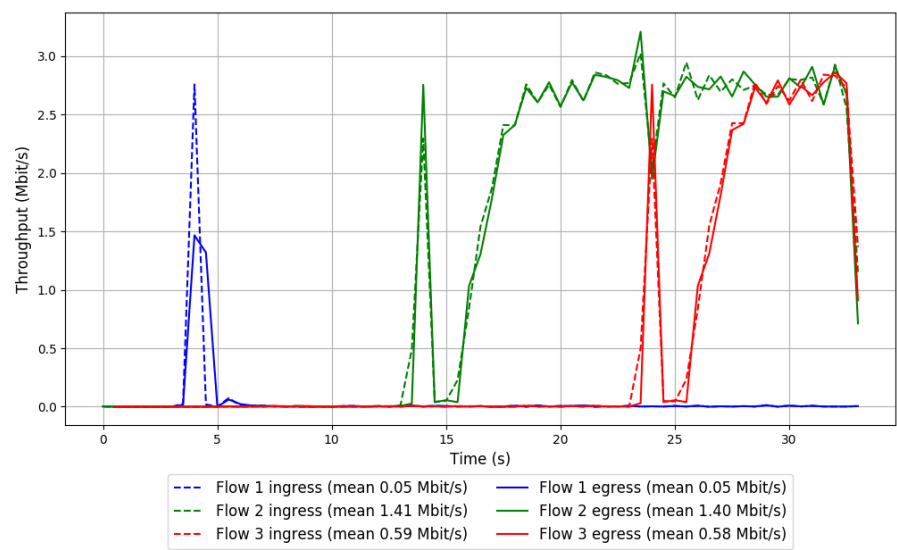
-- Flow 3:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 78.989 ms

Loss rate: 2.30%

Run 10: Report of WebRTC media — Data Link

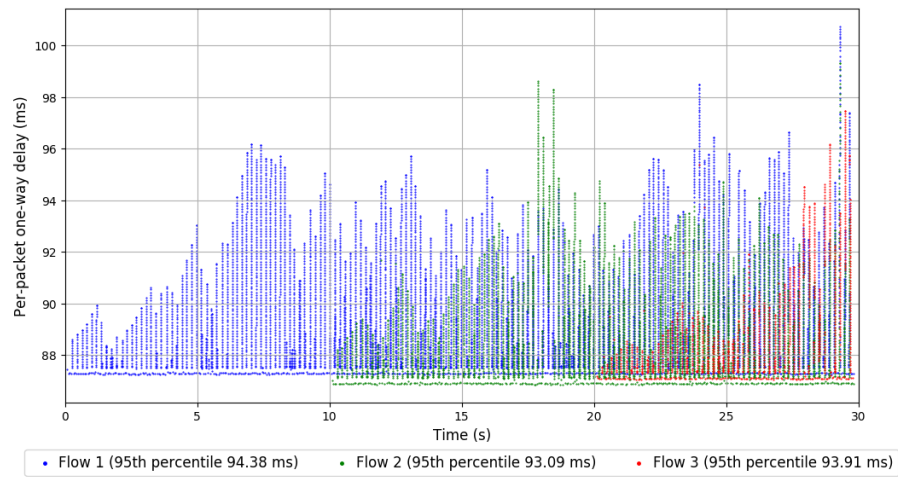
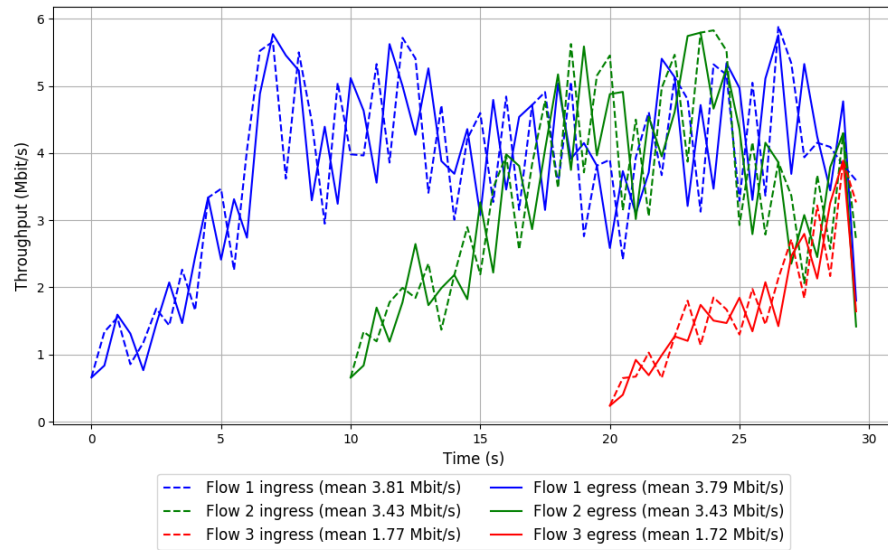


Run 1: Statistics of Sprout

Start at: 2018-02-20 09:46:13  
End at: 2018-02-20 09:46:43  
Local clock offset: -15.886 ms  
Remote clock offset: -4.347 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 6.63 Mbit/s  
95th percentile per-packet one-way delay: 94.051 ms  
Loss rate: 1.18%  
-- Flow 1:  
Average throughput: 3.79 Mbit/s  
95th percentile per-packet one-way delay: 94.380 ms  
Loss rate: 0.79%  
-- Flow 2:  
Average throughput: 3.43 Mbit/s  
95th percentile per-packet one-way delay: 93.086 ms  
Loss rate: 0.95%  
-- Flow 3:  
Average throughput: 1.72 Mbit/s  
95th percentile per-packet one-way delay: 93.905 ms  
Loss rate: 4.65%

# Run 1: Report of Sprout — Data Link

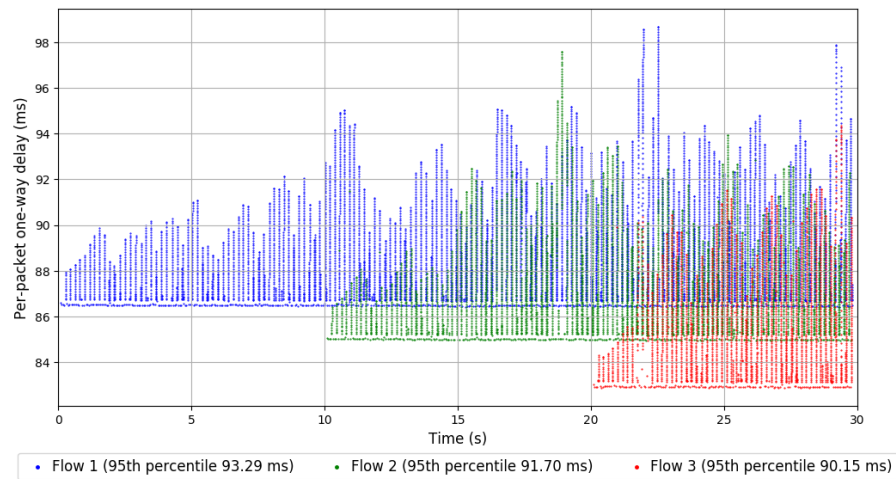
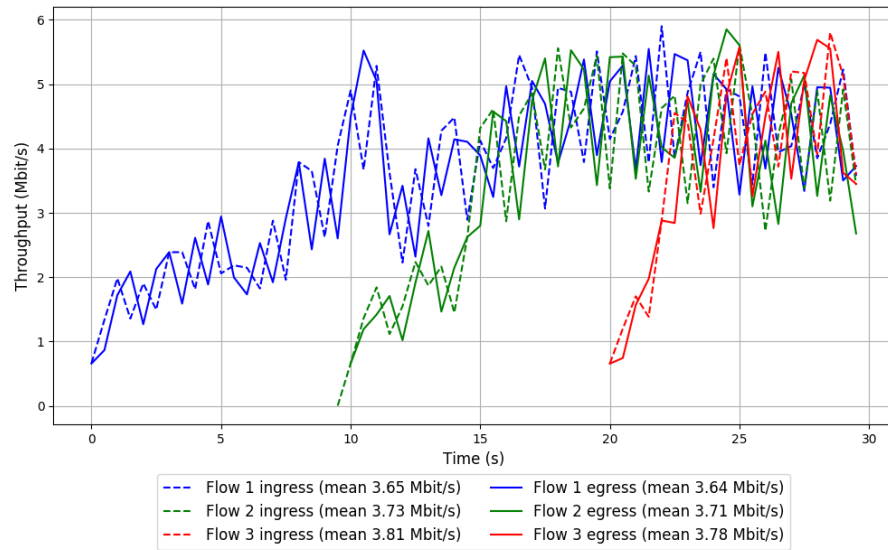


## Run 2: Statistics of Sprout

Start at: 2018-02-20 10:09:46  
End at: 2018-02-20 10:10:16  
Local clock offset: -14.414 ms  
Remote clock offset: -3.218 ms

```
# Below is generated by plot.py at 2018-02-20 17:47:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.33 Mbit/s
95th percentile per-packet one-way delay: 92.549 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 93.292 ms
Loss rate: 0.72%
-- Flow 2:
Average throughput: 3.71 Mbit/s
95th percentile per-packet one-way delay: 91.705 ms
Loss rate: 1.16%
-- Flow 3:
Average throughput: 3.78 Mbit/s
95th percentile per-packet one-way delay: 90.148 ms
Loss rate: 2.54%
```

## Run 2: Report of Sprout — Data Link



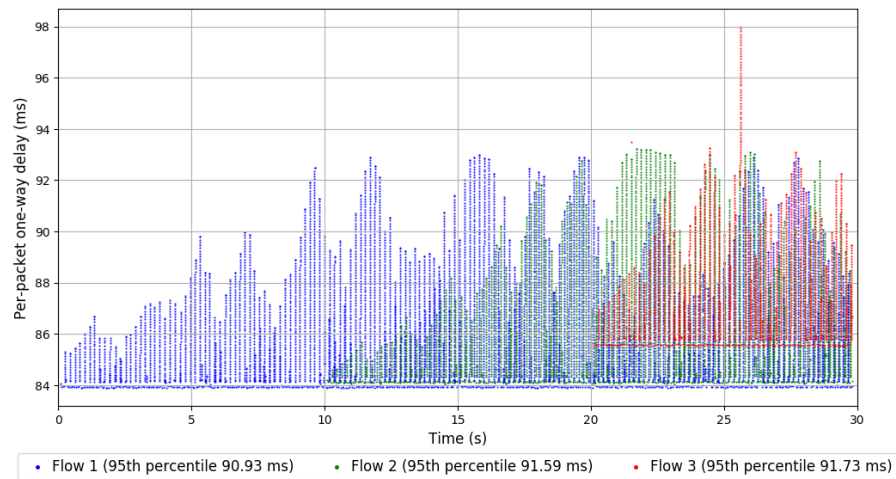
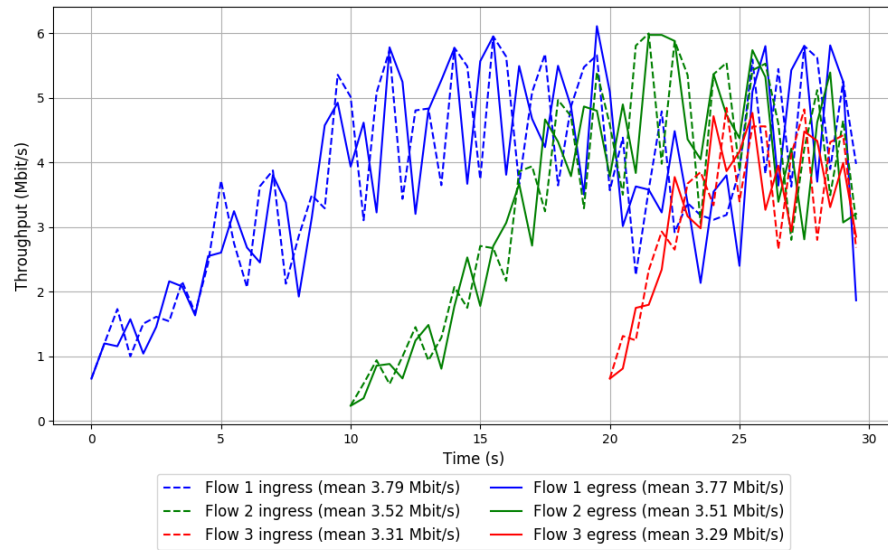
### Run 3: Statistics of Sprout

Start at: 2018-02-20 10:33:26  
End at: 2018-02-20 10:33:56  
Local clock offset: -14.531 ms  
Remote clock offset: -4.373 ms

```
# Below is generated by plot.py at 2018-02-20 17:47:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 91.279 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 3.77 Mbit/s
95th percentile per-packet one-way delay: 90.933 ms
Loss rate: 0.93%
-- Flow 2:
Average throughput: 3.51 Mbit/s
95th percentile per-packet one-way delay: 91.588 ms
Loss rate: 1.05%
-- Flow 3:
Average throughput: 3.29 Mbit/s
95th percentile per-packet one-way delay: 91.727 ms
Loss rate: 1.94%
```



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

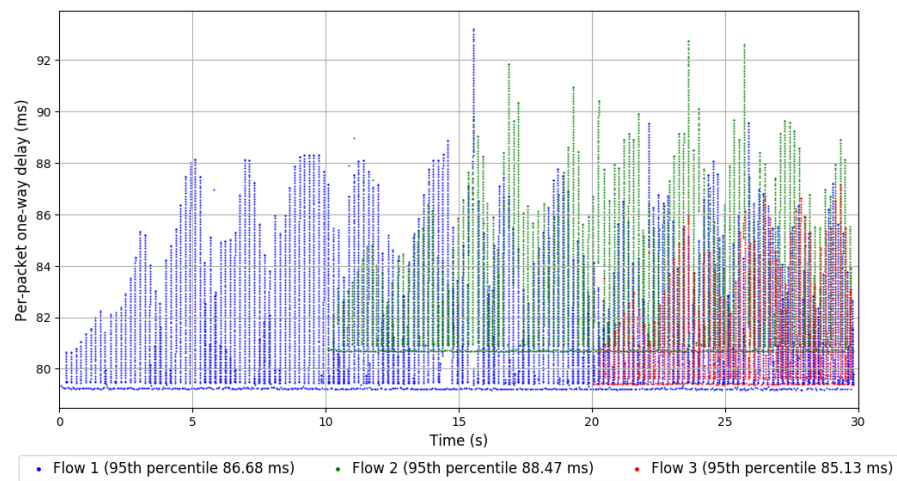
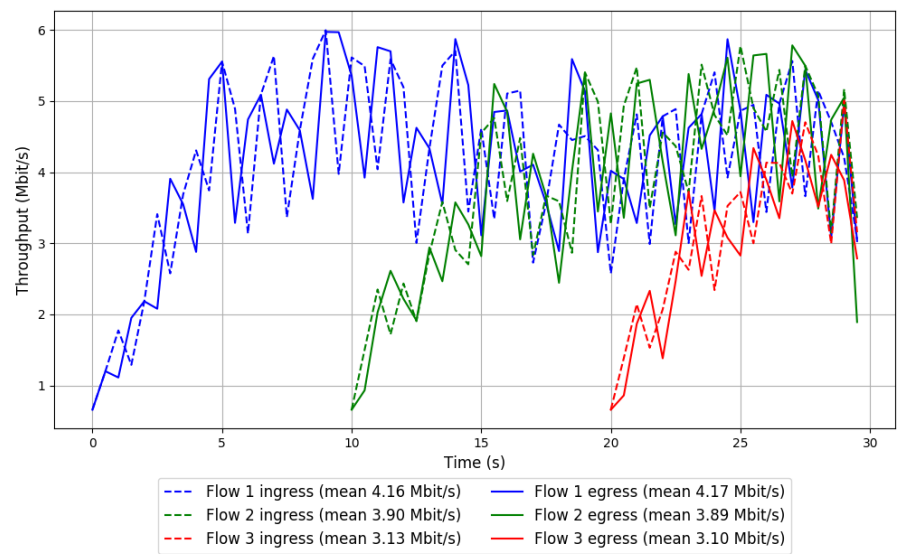


#### Run 4: Statistics of Sprout

Start at: 2018-02-20 10:56:56  
End at: 2018-02-20 10:57:26  
Local clock offset: -14.577 ms  
Remote clock offset: 0.34 ms

```
# Below is generated by plot.py at 2018-02-20 17:47:08
# Datalink statistics
-- Total of 3 flows:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 87.325 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 4.17 Mbit/s
95th percentile per-packet one-way delay: 86.684 ms
Loss rate: 0.41%
-- Flow 2:
Average throughput: 3.89 Mbit/s
95th percentile per-packet one-way delay: 88.466 ms
Loss rate: 1.02%
-- Flow 3:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 85.132 ms
Loss rate: 2.42%
```

Run 4: Report of Sprout — Data Link

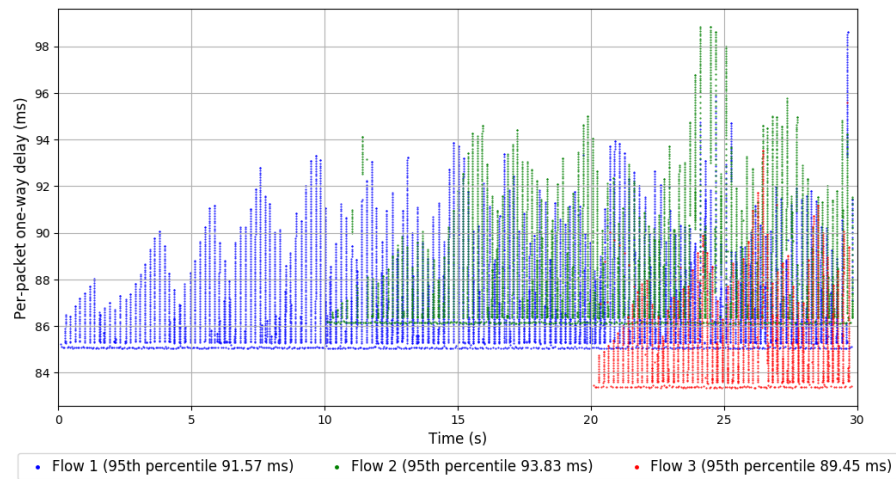
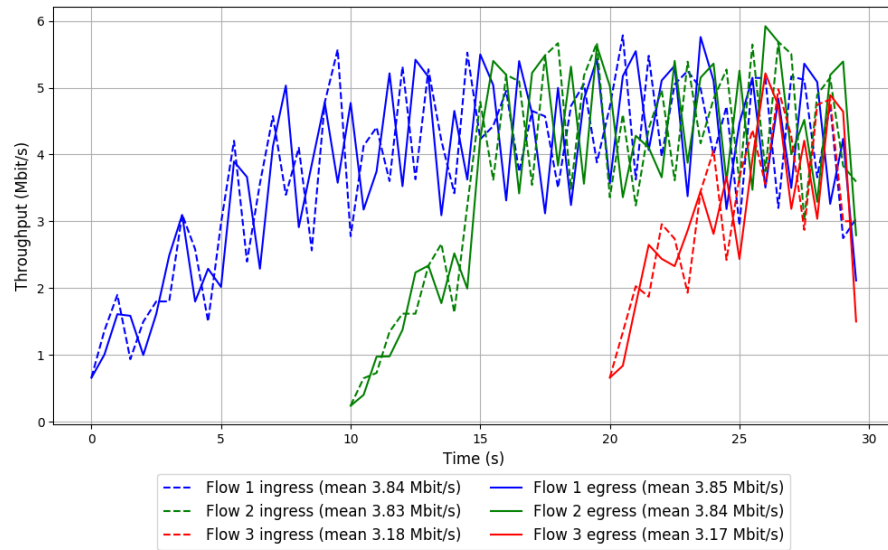


Run 5: Statistics of Sprout

Start at: 2018-02-20 11:20:24  
End at: 2018-02-20 11:20:54  
Local clock offset: -13.92 ms  
Remote clock offset: -3.599 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 7.42 Mbit/s  
95th percentile per-packet one-way delay: 92.525 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 3.85 Mbit/s  
95th percentile per-packet one-way delay: 91.571 ms  
Loss rate: 0.40%  
-- Flow 2:  
Average throughput: 3.84 Mbit/s  
95th percentile per-packet one-way delay: 93.826 ms  
Loss rate: 0.53%  
-- Flow 3:  
Average throughput: 3.17 Mbit/s  
95th percentile per-packet one-way delay: 89.446 ms  
Loss rate: 2.40%

## Run 5: Report of Sprout — Data Link

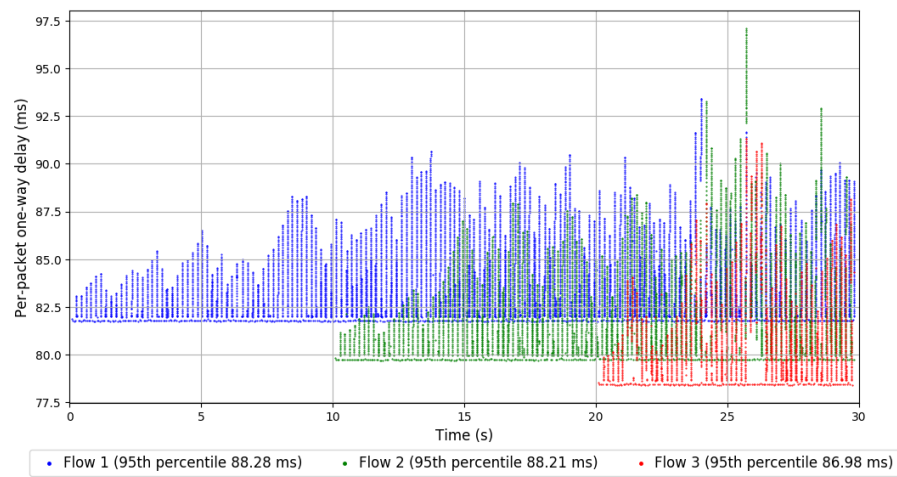
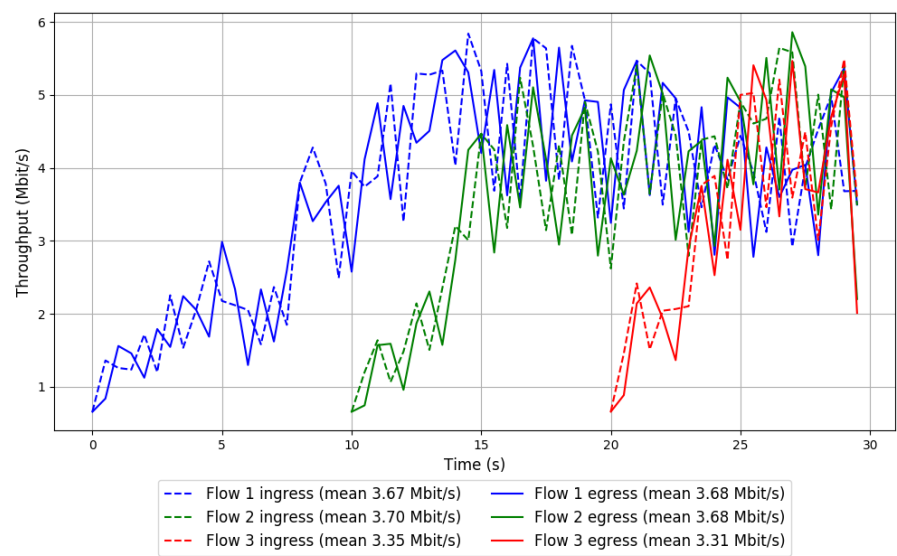


Run 6: Statistics of Sprout

Start at: 2018-02-20 11:43:55  
End at: 2018-02-20 11:44:25  
Local clock offset: -14.498 ms  
Remote clock offset: 1.223 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 7.20 Mbit/s  
95th percentile per-packet one-way delay: 88.183 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 3.68 Mbit/s  
95th percentile per-packet one-way delay: 88.284 ms  
Loss rate: 0.09%  
-- Flow 2:  
Average throughput: 3.68 Mbit/s  
95th percentile per-packet one-way delay: 88.212 ms  
Loss rate: 1.19%  
-- Flow 3:  
Average throughput: 3.31 Mbit/s  
95th percentile per-packet one-way delay: 86.977 ms  
Loss rate: 2.70%

Run 6: Report of Sprout — Data Link



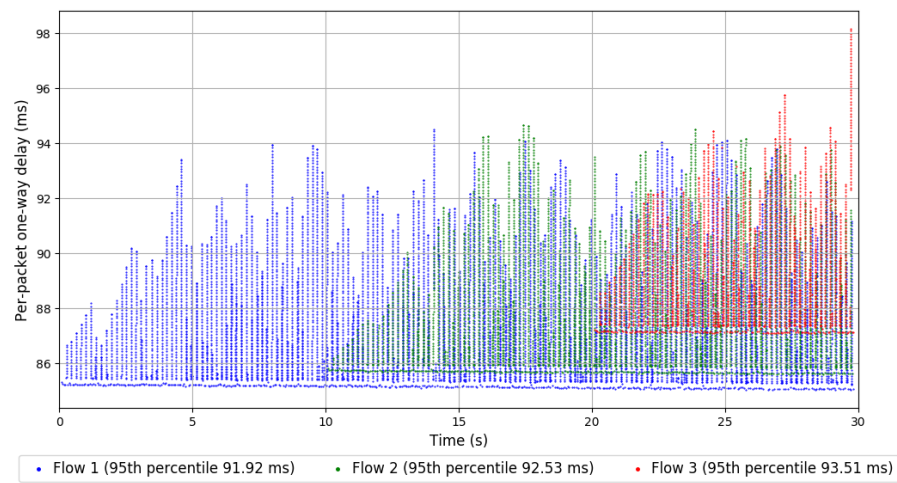
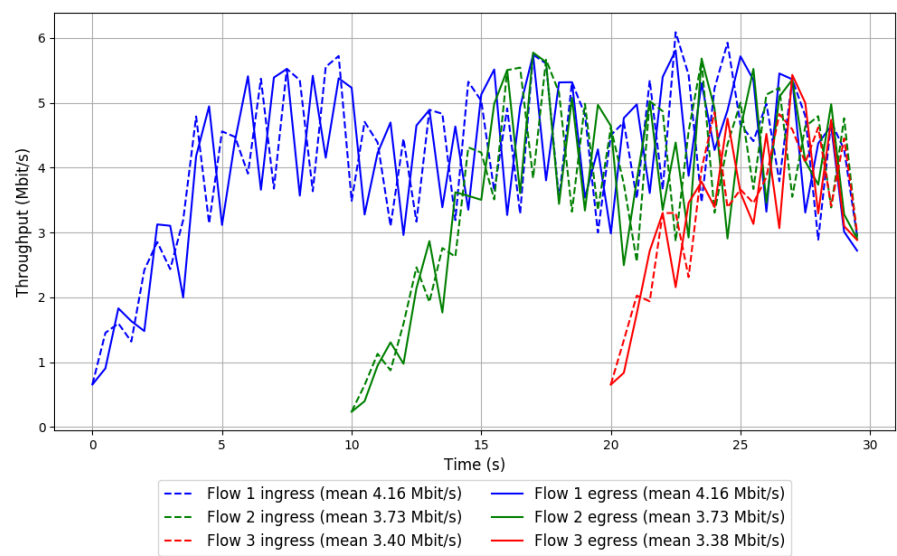
Run 7: Statistics of Sprout

Start at: 2018-02-20 12:07:28  
End at: 2018-02-20 12:07:58  
Local clock offset: -14.093 ms  
Remote clock offset: -4.063 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 7.73 Mbit/s  
95th percentile per-packet one-way delay: 92.416 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 4.16 Mbit/s  
95th percentile per-packet one-way delay: 91.917 ms  
Loss rate: 0.63%  
-- Flow 2:  
Average throughput: 3.73 Mbit/s  
95th percentile per-packet one-way delay: 92.530 ms  
Loss rate: 1.01%  
-- Flow 3:  
Average throughput: 3.38 Mbit/s  
95th percentile per-packet one-way delay: 93.512 ms  
Loss rate: 2.19%



Run 7: Report of Sprout — Data Link

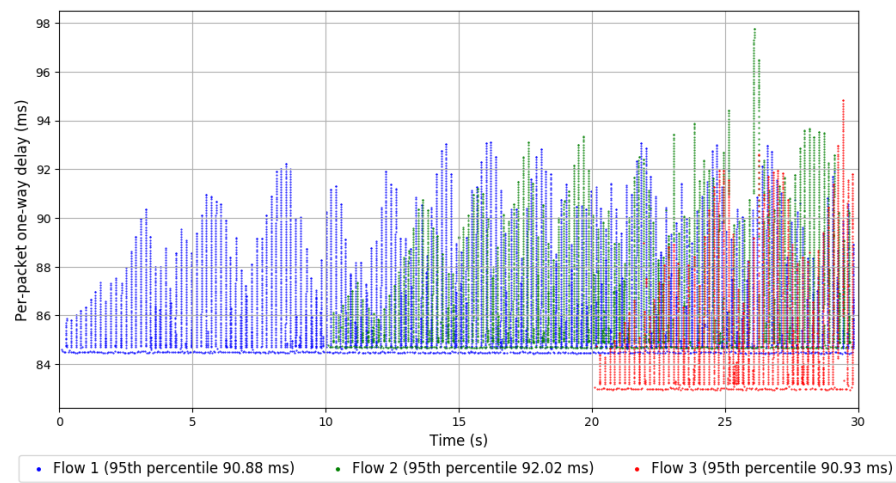
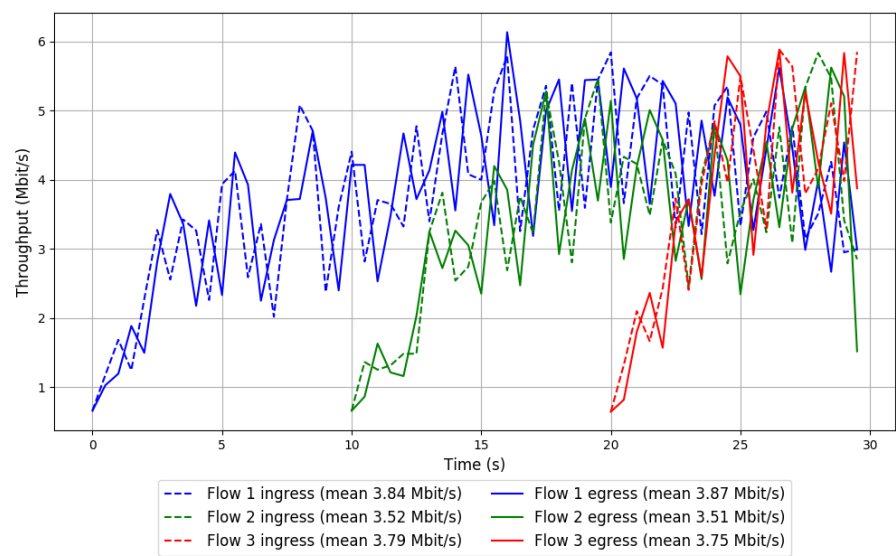


Run 8: Statistics of Sprout

Start at: 2018-02-20 12:31:04  
End at: 2018-02-20 12:31:34  
Local clock offset: -10.777 ms  
Remote clock offset: -3.255 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 7.41 Mbit/s  
95th percentile per-packet one-way delay: 91.265 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 3.87 Mbit/s  
95th percentile per-packet one-way delay: 90.884 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 3.51 Mbit/s  
95th percentile per-packet one-way delay: 92.022 ms  
Loss rate: 0.96%  
-- Flow 3:  
Average throughput: 3.75 Mbit/s  
95th percentile per-packet one-way delay: 90.933 ms  
Loss rate: 2.65%

Run 8: Report of Sprout — Data Link

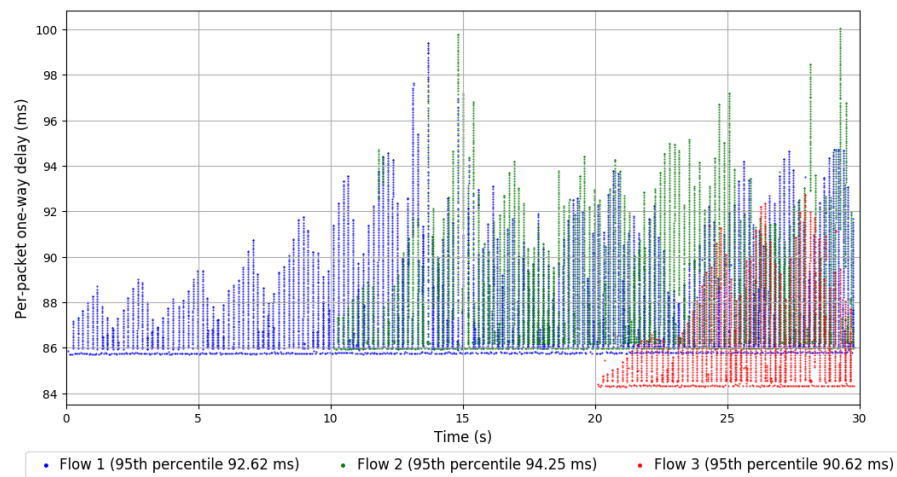
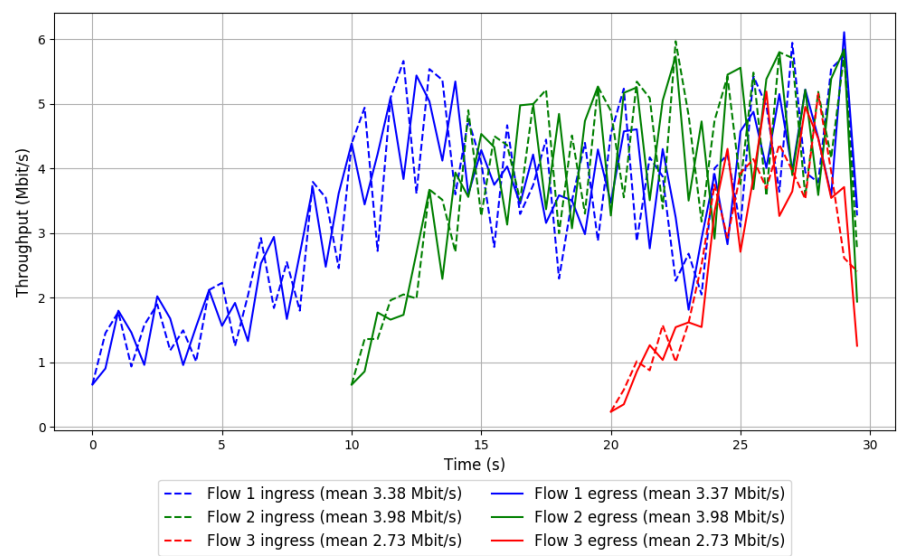


Run 9: Statistics of Sprout

Start at: 2018-02-20 12:54:42  
End at: 2018-02-20 12:55:12  
Local clock offset: -14.84 ms  
Remote clock offset: -4.095 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 6.90 Mbit/s  
95th percentile per-packet one-way delay: 93.236 ms  
Loss rate: 0.95%  
-- Flow 1:  
Average throughput: 3.37 Mbit/s  
95th percentile per-packet one-way delay: 92.625 ms  
Loss rate: 0.73%  
-- Flow 2:  
Average throughput: 3.98 Mbit/s  
95th percentile per-packet one-way delay: 94.247 ms  
Loss rate: 0.81%  
-- Flow 3:  
Average throughput: 2.73 Mbit/s  
95th percentile per-packet one-way delay: 90.623 ms  
Loss rate: 2.14%

Run 9: Report of Sprout — Data Link

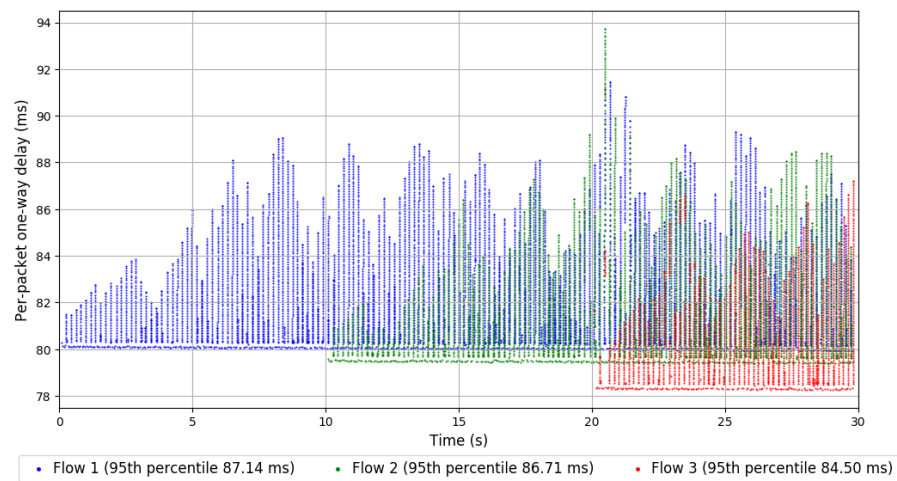
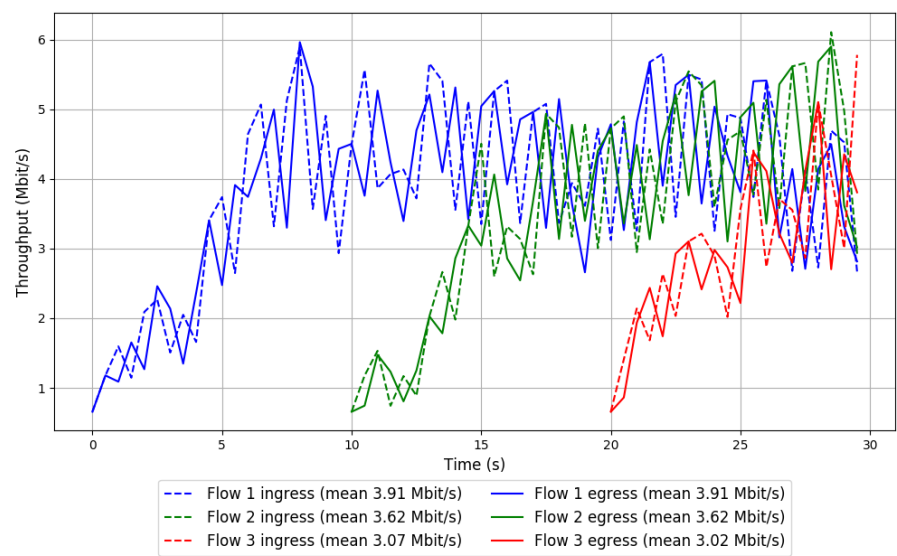


Run 10: Statistics of Sprout

Start at: 2018-02-20 13:18:15  
End at: 2018-02-20 13:18:45  
Local clock offset: -14.333 ms  
Remote clock offset: 1.613 ms

# Below is generated by plot.py at 2018-02-20 17:47:08  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 7.29 Mbit/s  
95th percentile per-packet one-way delay: 86.800 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 3.91 Mbit/s  
95th percentile per-packet one-way delay: 87.136 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 3.62 Mbit/s  
95th percentile per-packet one-way delay: 86.712 ms  
Loss rate: 1.03%  
-- Flow 3:  
Average throughput: 3.02 Mbit/s  
95th percentile per-packet one-way delay: 84.505 ms  
Loss rate: 3.26%

Run 10: Report of Sprout — Data Link



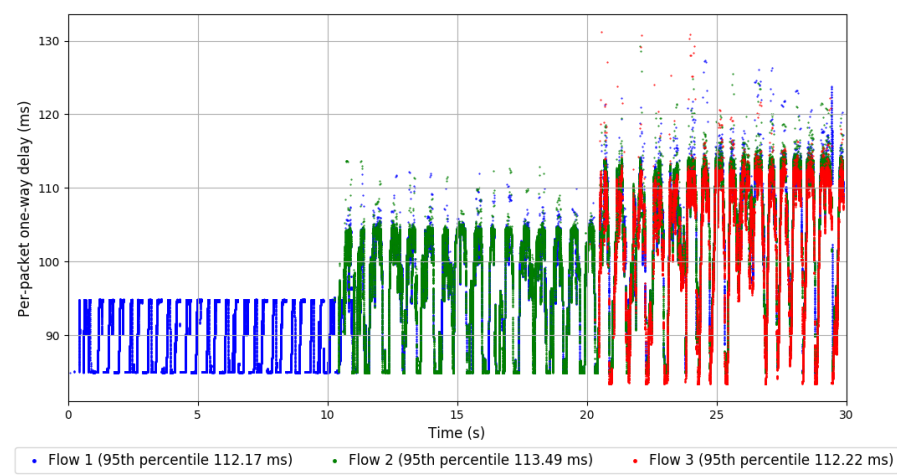
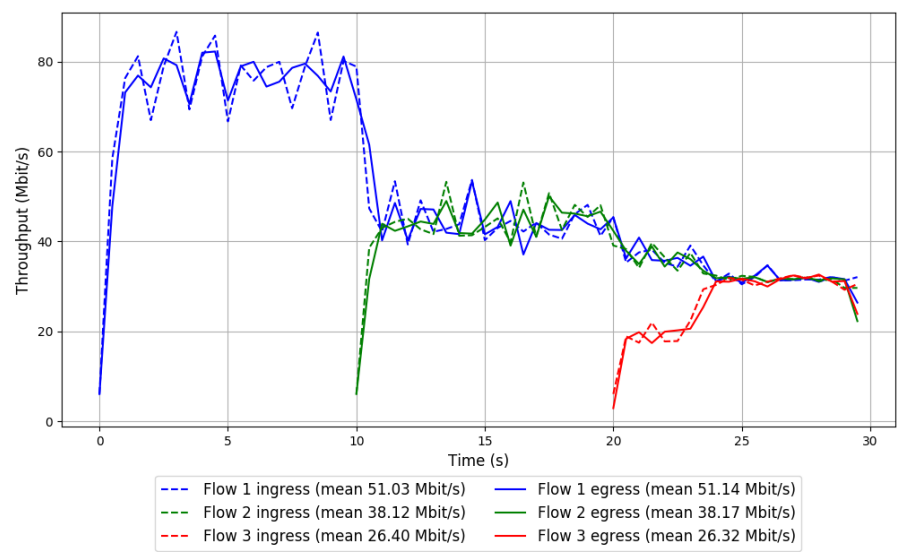
Run 1: Statistics of TaoVA-100x

Start at: 2018-02-20 09:57:52  
End at: 2018-02-20 09:58:23  
Local clock offset: -14.79 ms  
Remote clock offset: -3.466 ms

# Below is generated by plot.py at 2018-02-20 17:49:04  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.10 Mbit/s  
95th percentile per-packet one-way delay: 112.854 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 51.14 Mbit/s  
95th percentile per-packet one-way delay: 112.175 ms  
Loss rate: 0.41%  
-- Flow 2:  
Average throughput: 38.17 Mbit/s  
95th percentile per-packet one-way delay: 113.491 ms  
Loss rate: 0.82%  
-- Flow 3:  
Average throughput: 26.32 Mbit/s  
95th percentile per-packet one-way delay: 112.219 ms  
Loss rate: 2.27%



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

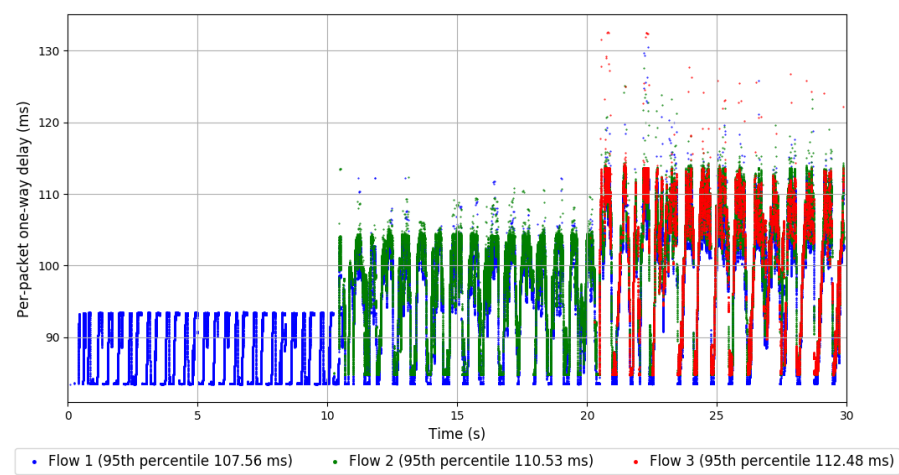
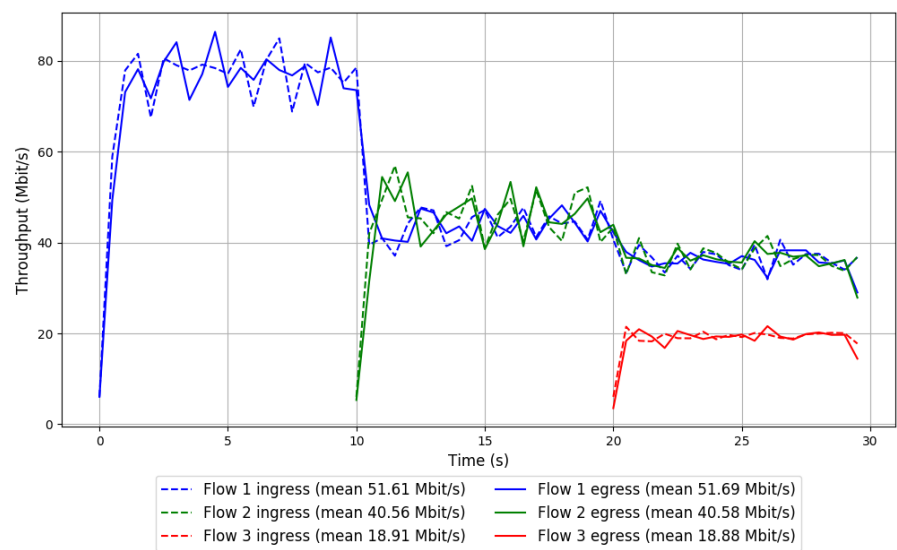


Run 2: Statistics of TaoVA-100x

Start at: 2018-02-20 10:21:35  
End at: 2018-02-20 10:22:05  
Local clock offset: -14.279 ms  
Remote clock offset: -3.56 ms

# Below is generated by plot.py at 2018-02-20 17:49:05  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.80 Mbit/s  
95th percentile per-packet one-way delay: 109.624 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 51.69 Mbit/s  
95th percentile per-packet one-way delay: 107.555 ms  
Loss rate: 0.46%  
-- Flow 2:  
Average throughput: 40.58 Mbit/s  
95th percentile per-packet one-way delay: 110.534 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 18.88 Mbit/s  
95th percentile per-packet one-way delay: 112.483 ms  
Loss rate: 1.95%

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

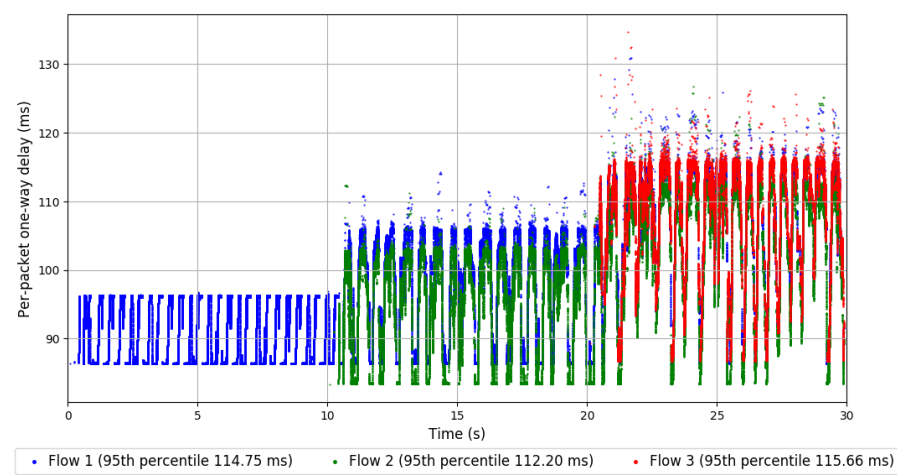
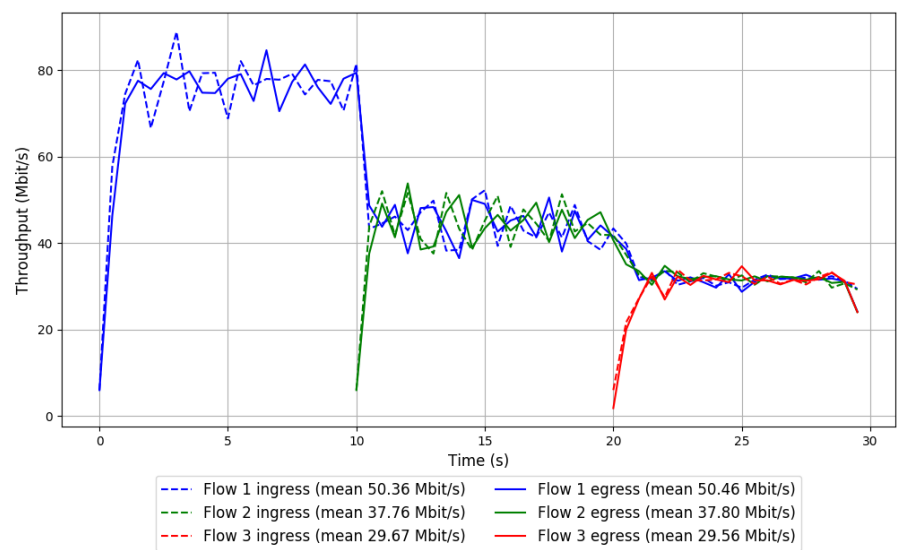


Run 3: Statistics of TaoVA-100x

Start at: 2018-02-20 10:45:04  
End at: 2018-02-20 10:45:34  
Local clock offset: -14.553 ms  
Remote clock offset: -3.639 ms

# Below is generated by plot.py at 2018-02-20 17:49:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.26 Mbit/s  
95th percentile per-packet one-way delay: 115.062 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 50.46 Mbit/s  
95th percentile per-packet one-way delay: 114.745 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 37.80 Mbit/s  
95th percentile per-packet one-way delay: 112.197 ms  
Loss rate: 0.77%  
-- Flow 3:  
Average throughput: 29.56 Mbit/s  
95th percentile per-packet one-way delay: 115.661 ms  
Loss rate: 2.24%

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

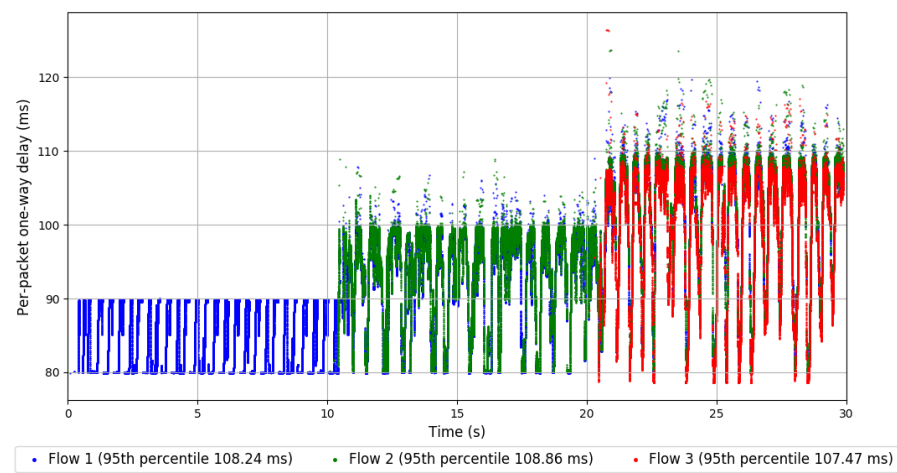
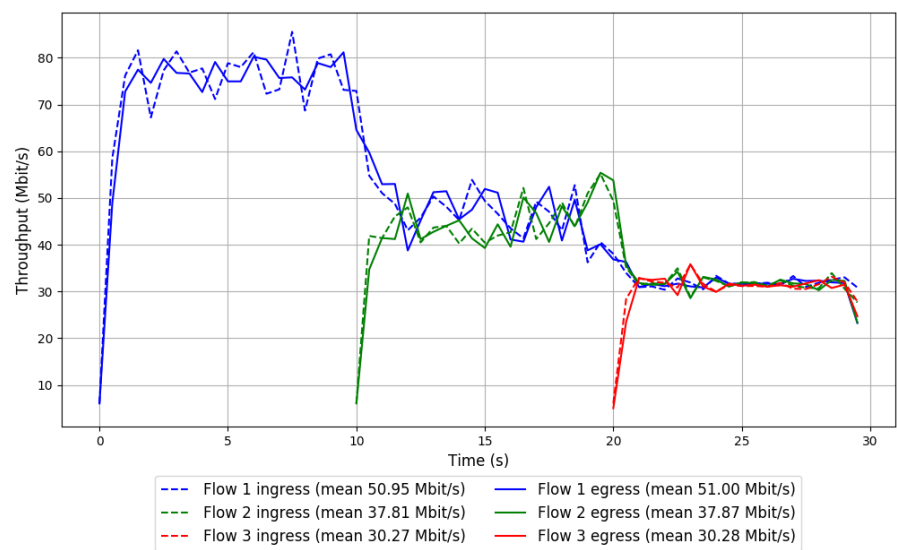


Run 4: Statistics of TaoVA-100x

Start at: 2018-02-20 11:08:34  
End at: 2018-02-20 11:09:04  
Local clock offset: -14.157 ms  
Remote clock offset: 1.305 ms

# Below is generated by plot.py at 2018-02-20 17:49:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 86.07 Mbit/s  
95th percentile per-packet one-way delay: 108.519 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 51.00 Mbit/s  
95th percentile per-packet one-way delay: 108.237 ms  
Loss rate: 0.49%  
-- Flow 2:  
Average throughput: 37.87 Mbit/s  
95th percentile per-packet one-way delay: 108.862 ms  
Loss rate: 0.69%  
-- Flow 3:  
Average throughput: 30.28 Mbit/s  
95th percentile per-packet one-way delay: 107.473 ms  
Loss rate: 1.73%

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



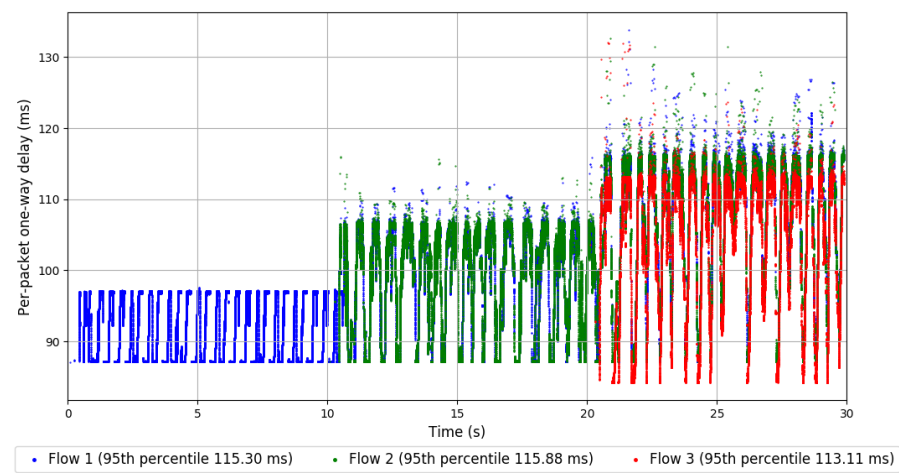
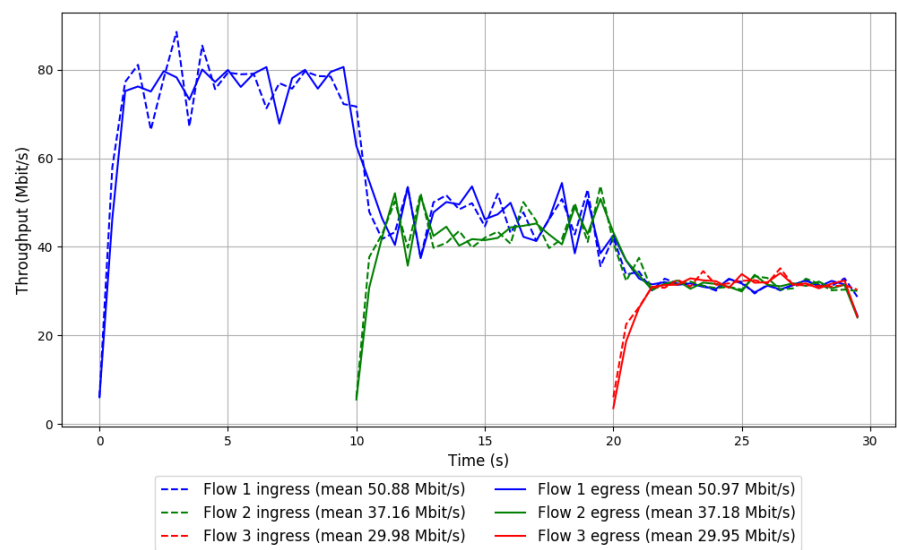
Run 5: Statistics of TaoVA-100x

Start at: 2018-02-20 11:32:02  
End at: 2018-02-20 11:32:32  
Local clock offset: -13.854 ms  
Remote clock offset: -4.407 ms

# Below is generated by plot.py at 2018-02-20 17:49:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.47 Mbit/s  
95th percentile per-packet one-way delay: 115.629 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 50.97 Mbit/s  
95th percentile per-packet one-way delay: 115.298 ms  
Loss rate: 0.39%  
-- Flow 2:  
Average throughput: 37.18 Mbit/s  
95th percentile per-packet one-way delay: 115.882 ms  
Loss rate: 0.79%  
-- Flow 3:  
Average throughput: 29.95 Mbit/s  
95th percentile per-packet one-way delay: 113.107 ms  
Loss rate: 1.96%



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

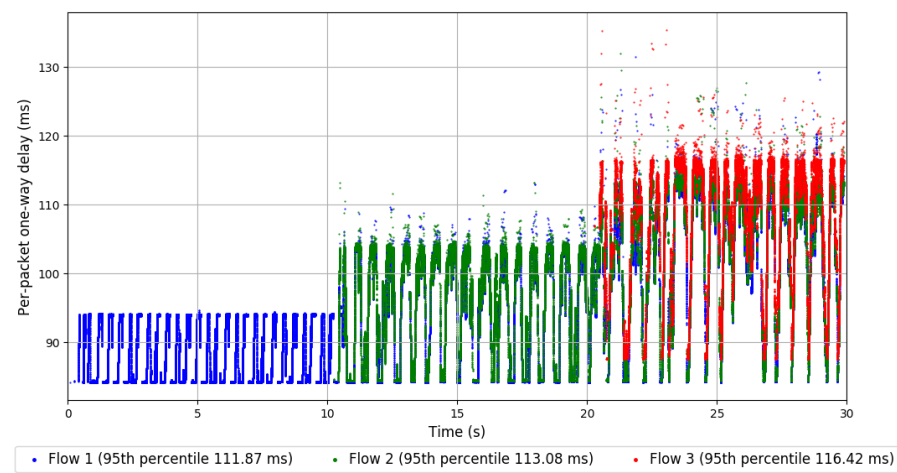
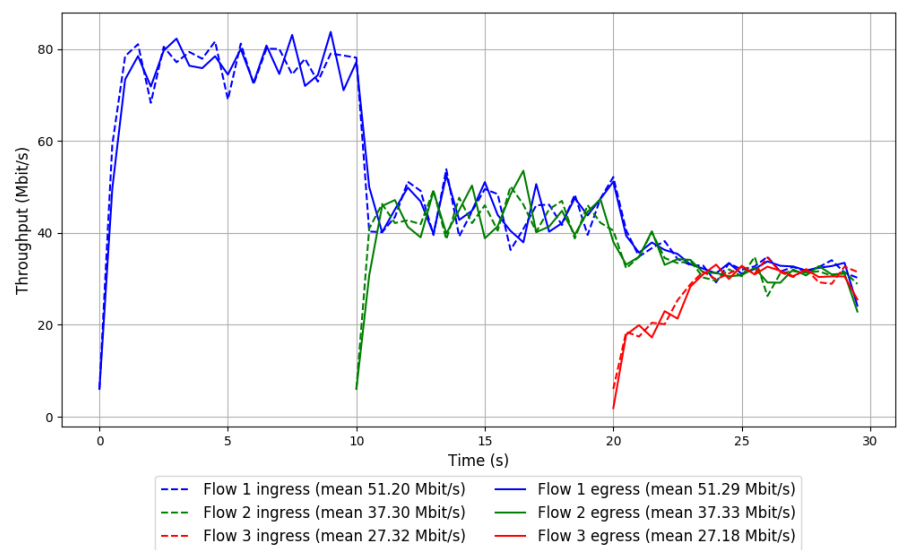


Run 6: Statistics of TaoVA-100x

Start at: 2018-02-20 11:55:35  
End at: 2018-02-20 11:56:05  
Local clock offset: -14.745 ms  
Remote clock offset: -4.279 ms

# Below is generated by plot.py at 2018-02-20 17:49:15  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 84.99 Mbit/s  
95th percentile per-packet one-way delay: 113.258 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 51.29 Mbit/s  
95th percentile per-packet one-way delay: 111.872 ms  
Loss rate: 0.40%  
-- Flow 2:  
Average throughput: 37.33 Mbit/s  
95th percentile per-packet one-way delay: 113.082 ms  
Loss rate: 0.84%  
-- Flow 3:  
Average throughput: 27.18 Mbit/s  
95th percentile per-packet one-way delay: 116.419 ms  
Loss rate: 2.34%

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

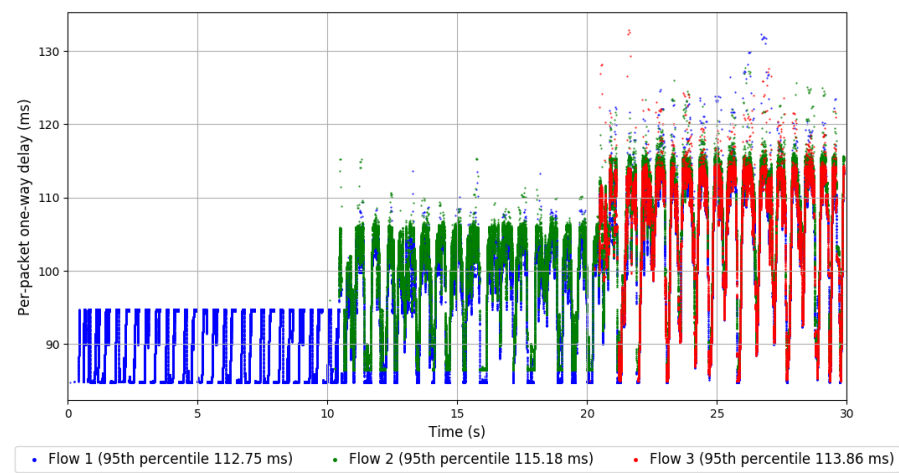
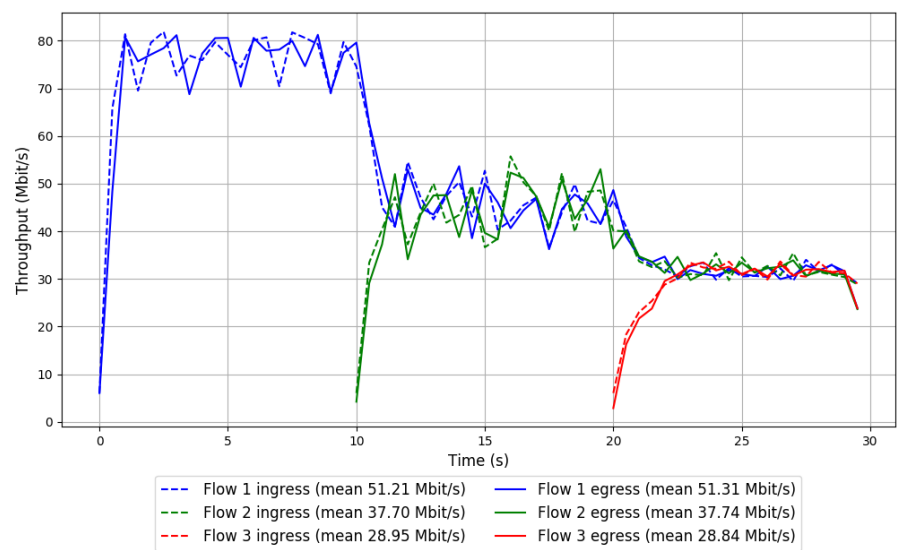


Run 7: Statistics of TaoVA-100x

Start at: 2018-02-20 12:19:08  
End at: 2018-02-20 12:19:38  
Local clock offset: -11.727 ms  
Remote clock offset: -3.21 ms

# Below is generated by plot.py at 2018-02-20 17:49:18  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.83 Mbit/s  
95th percentile per-packet one-way delay: 113.727 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 51.31 Mbit/s  
95th percentile per-packet one-way delay: 112.754 ms  
Loss rate: 0.38%  
-- Flow 2:  
Average throughput: 37.74 Mbit/s  
95th percentile per-packet one-way delay: 115.184 ms  
Loss rate: 0.78%  
-- Flow 3:  
Average throughput: 28.84 Mbit/s  
95th percentile per-packet one-way delay: 113.864 ms  
Loss rate: 2.04%

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

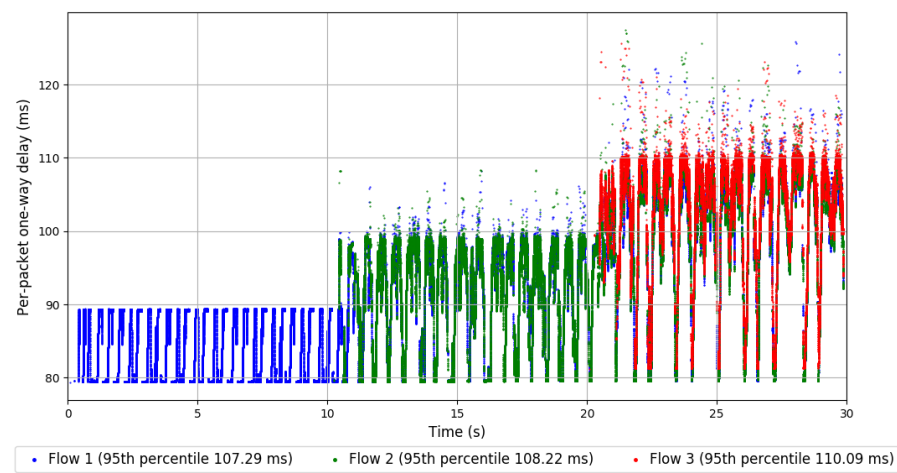
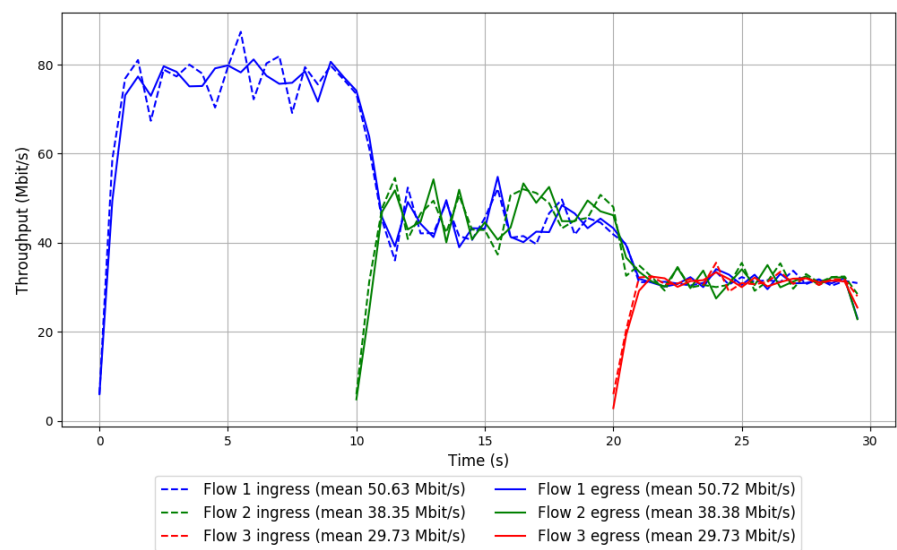


Run 8: Statistics of TaoVA-100x

Start at: 2018-02-20 12:42:46  
End at: 2018-02-20 12:43:16  
Local clock offset: -11.897 ms  
Remote clock offset: 2.331 ms

# Below is generated by plot.py at 2018-02-20 17:49:24  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.96 Mbit/s  
95th percentile per-packet one-way delay: 108.361 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 50.72 Mbit/s  
95th percentile per-packet one-way delay: 107.291 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 38.38 Mbit/s  
95th percentile per-packet one-way delay: 108.218 ms  
Loss rate: 0.86%  
-- Flow 3:  
Average throughput: 29.73 Mbit/s  
95th percentile per-packet one-way delay: 110.095 ms  
Loss rate: 1.68%

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



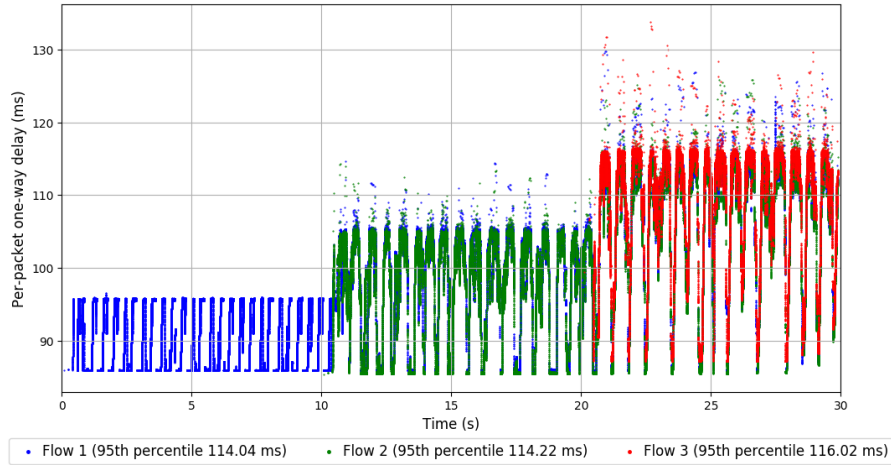
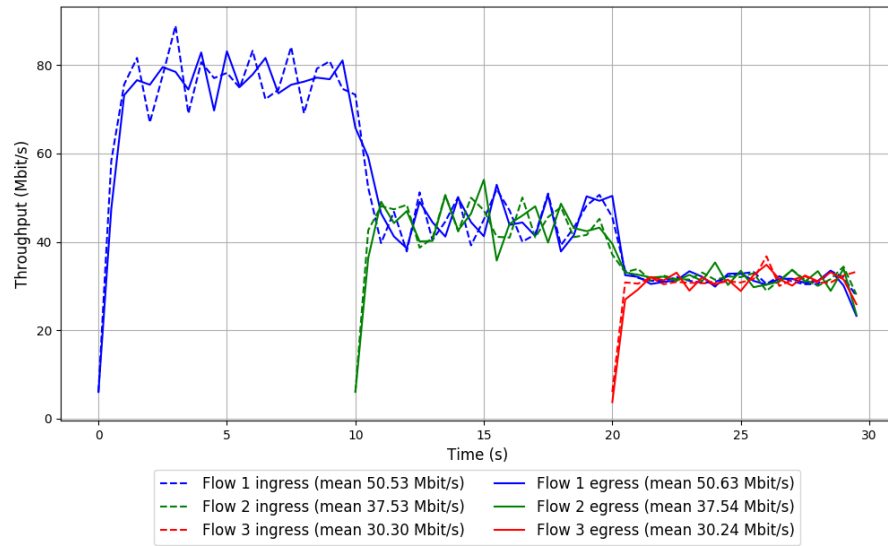
Run 9: Statistics of TaoVA-100x

Start at: 2018-02-20 13:06:22  
End at: 2018-02-20 13:06:52  
Local clock offset: -15.852 ms  
Remote clock offset: -4.069 ms

# Below is generated by plot.py at 2018-02-20 17:51:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 85.48 Mbit/s  
95th percentile per-packet one-way delay: 114.666 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 50.63 Mbit/s  
95th percentile per-packet one-way delay: 114.044 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 37.54 Mbit/s  
95th percentile per-packet one-way delay: 114.225 ms  
Loss rate: 0.80%  
-- Flow 3:  
Average throughput: 30.24 Mbit/s  
95th percentile per-packet one-way delay: 116.017 ms  
Loss rate: 2.13%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-02-20 13:29:55

End at: 2018-02-20 13:30:25

Local clock offset: -12.11 ms

Remote clock offset: 0.831 ms

# Below is generated by plot.py at 2018-02-20 17:51:28

# Datalink statistics

-- Total of 3 flows:

Average throughput: 85.28 Mbit/s

95th percentile per-packet one-way delay: 108.760 ms

Loss rate: 0.72%

-- Flow 1:

Average throughput: 50.50 Mbit/s

95th percentile per-packet one-way delay: 107.947 ms

Loss rate: 0.39%

-- Flow 2:

Average throughput: 38.32 Mbit/s

95th percentile per-packet one-way delay: 108.057 ms

Loss rate: 0.80%

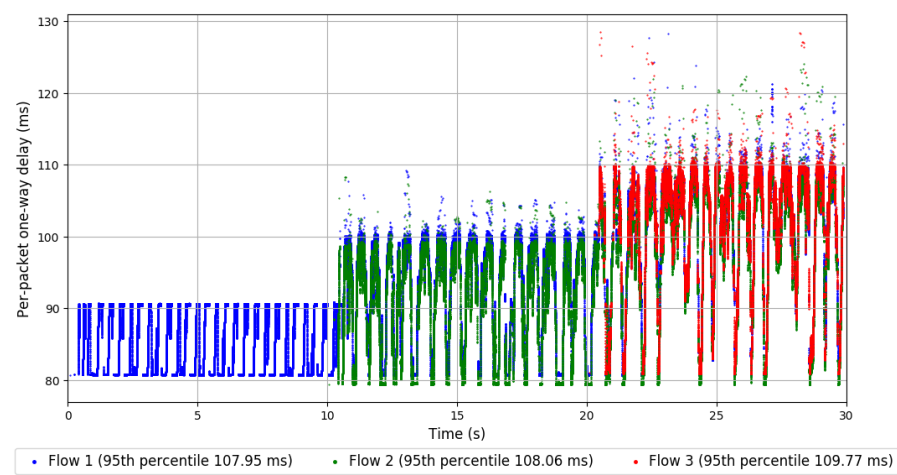
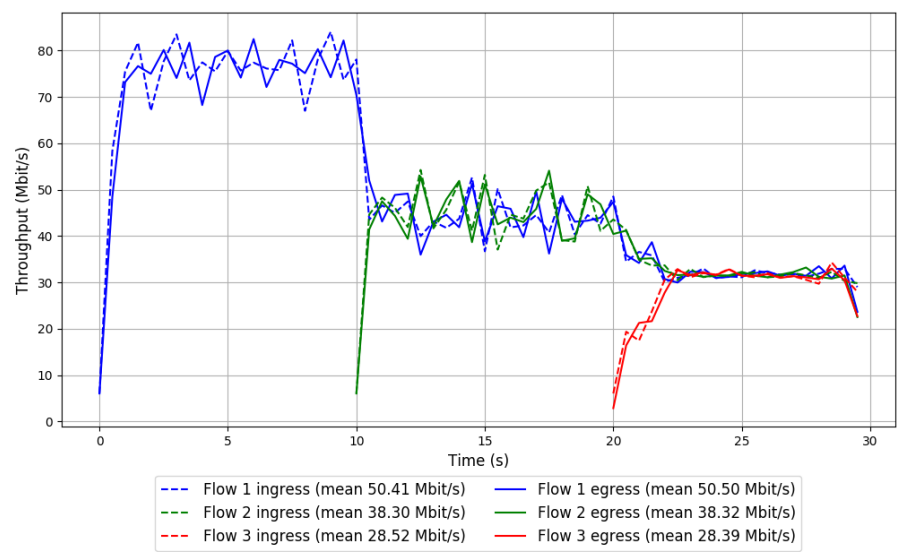
-- Flow 3:

Average throughput: 28.39 Mbit/s

95th percentile per-packet one-way delay: 109.770 ms

Loss rate: 2.24%

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

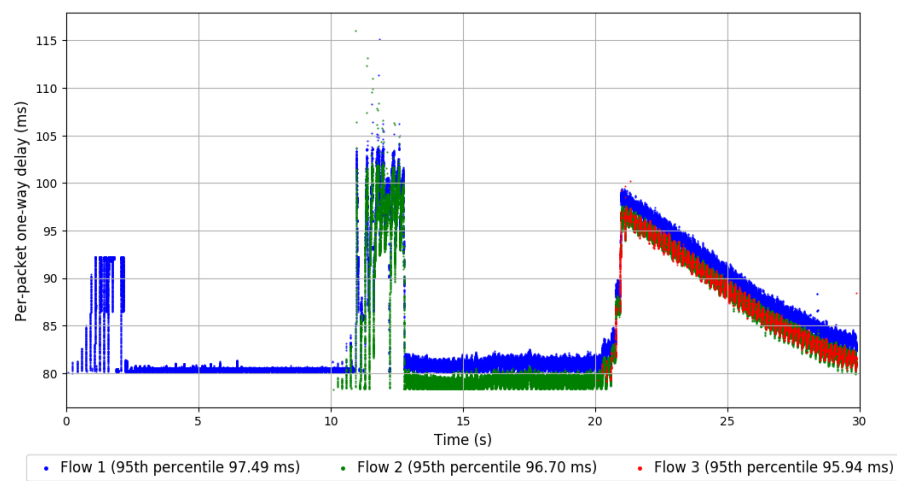
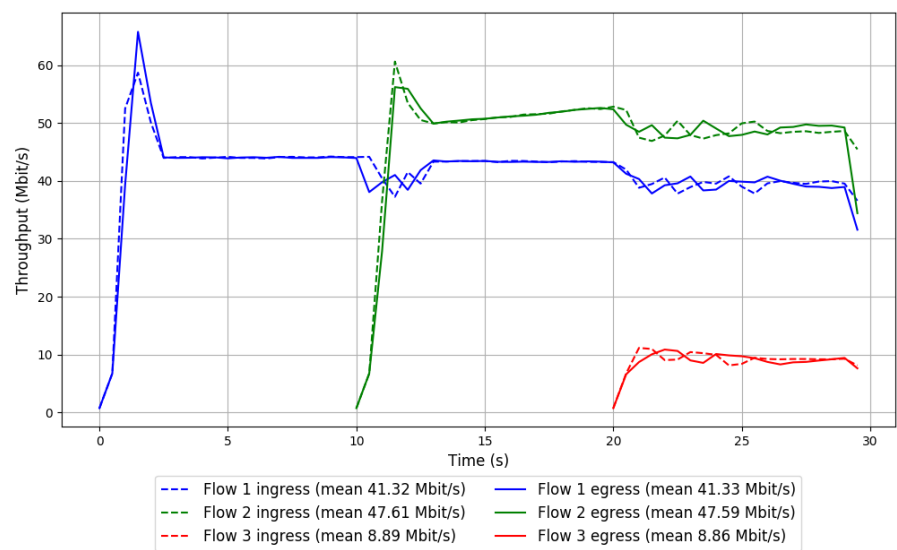


Run 1: Statistics of TCP Vegas

Start at: 2018-02-20 09:44:55  
End at: 2018-02-20 09:45:25  
Local clock offset: -15.856 ms  
Remote clock offset: 1.217 ms

# Below is generated by plot.py at 2018-02-20 17:51:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.82 Mbit/s  
95th percentile per-packet one-way delay: 97.083 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 41.33 Mbit/s  
95th percentile per-packet one-way delay: 97.487 ms  
Loss rate: 0.53%  
-- Flow 2:  
Average throughput: 47.59 Mbit/s  
95th percentile per-packet one-way delay: 96.701 ms  
Loss rate: 0.86%  
-- Flow 3:  
Average throughput: 8.86 Mbit/s  
95th percentile per-packet one-way delay: 95.945 ms  
Loss rate: 1.83%

Run 1: Report of TCP Vegas — Data Link

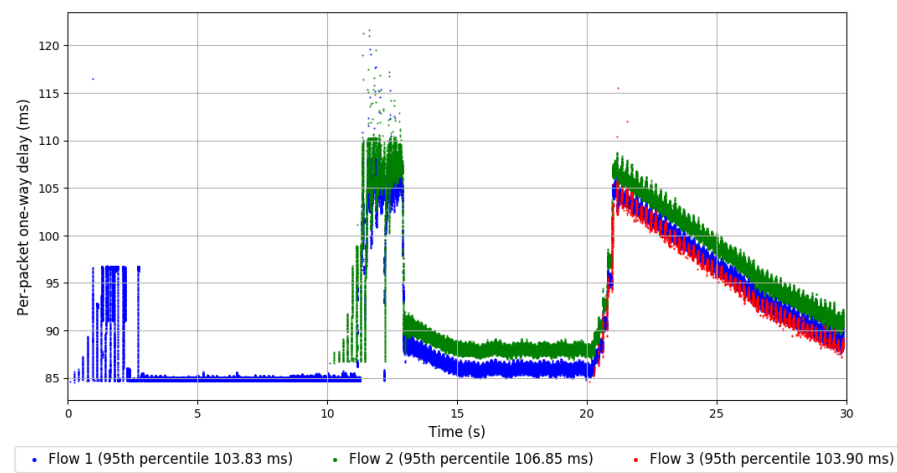
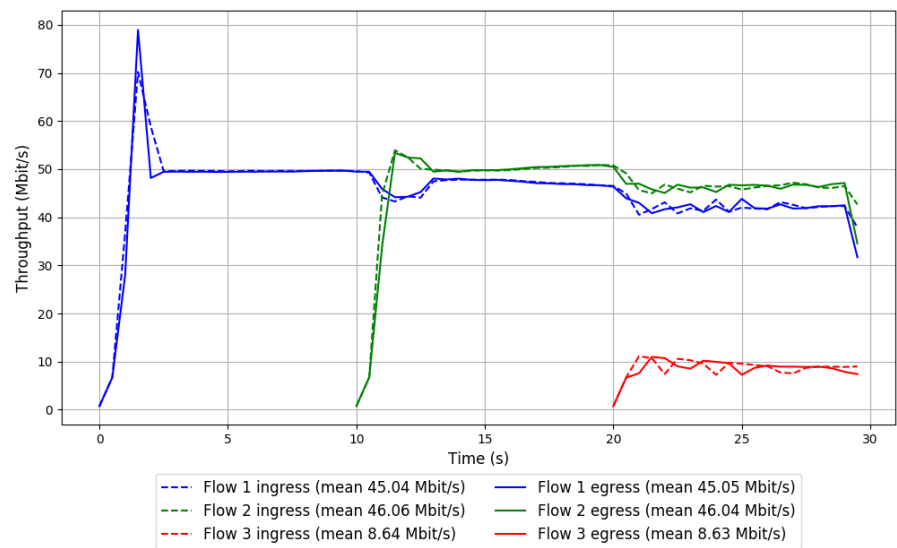


Run 2: Statistics of TCP Vegas

Start at: 2018-02-20 10:08:28  
End at: 2018-02-20 10:08:58  
Local clock offset: -14.381 ms  
Remote clock offset: -3.169 ms

# Below is generated by plot.py at 2018-02-20 17:51:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.46 Mbit/s  
95th percentile per-packet one-way delay: 105.509 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 45.05 Mbit/s  
95th percentile per-packet one-way delay: 103.827 ms  
Loss rate: 0.53%  
-- Flow 2:  
Average throughput: 46.04 Mbit/s  
95th percentile per-packet one-way delay: 106.854 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 8.63 Mbit/s  
95th percentile per-packet one-way delay: 103.901 ms  
Loss rate: 1.76%

Run 2: Report of TCP Vegas — Data Link



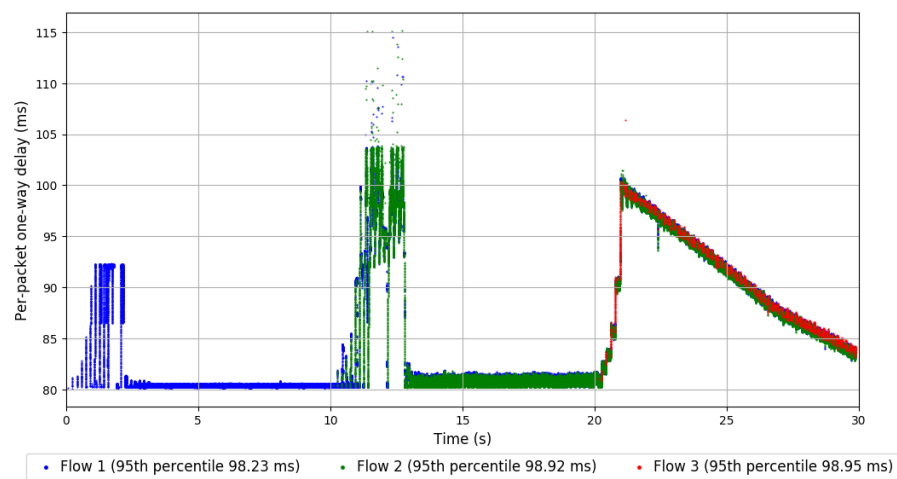
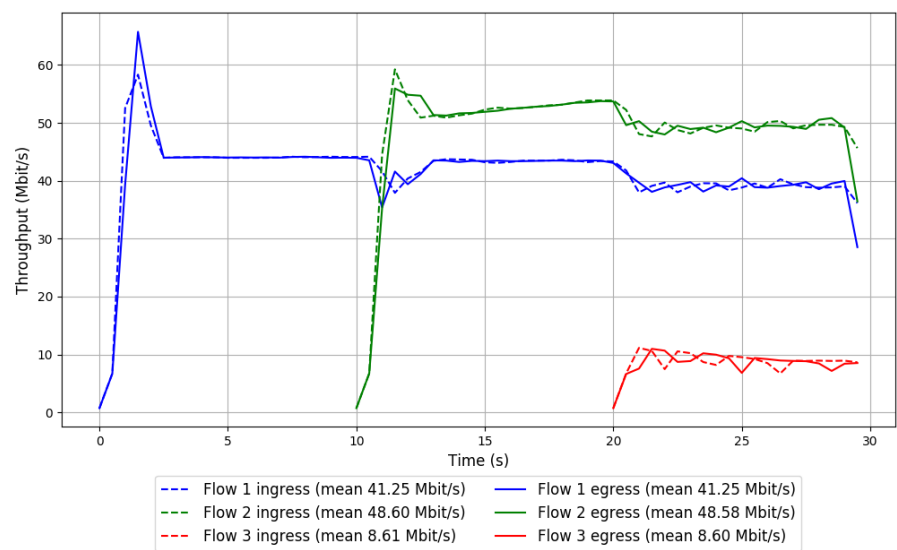
Run 3: Statistics of TCP Vegas

Start at: 2018-02-20 10:32:09  
End at: 2018-02-20 10:32:39  
Local clock offset: -14.461 ms  
Remote clock offset: 1.244 ms

# Below is generated by plot.py at 2018-02-20 17:51:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.33 Mbit/s  
95th percentile per-packet one-way delay: 98.597 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 41.25 Mbit/s  
95th percentile per-packet one-way delay: 98.228 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 48.58 Mbit/s  
95th percentile per-packet one-way delay: 98.916 ms  
Loss rate: 0.87%  
-- Flow 3:  
Average throughput: 8.60 Mbit/s  
95th percentile per-packet one-way delay: 98.947 ms  
Loss rate: 1.75%



Run 3: Report of TCP Vegas — Data Link

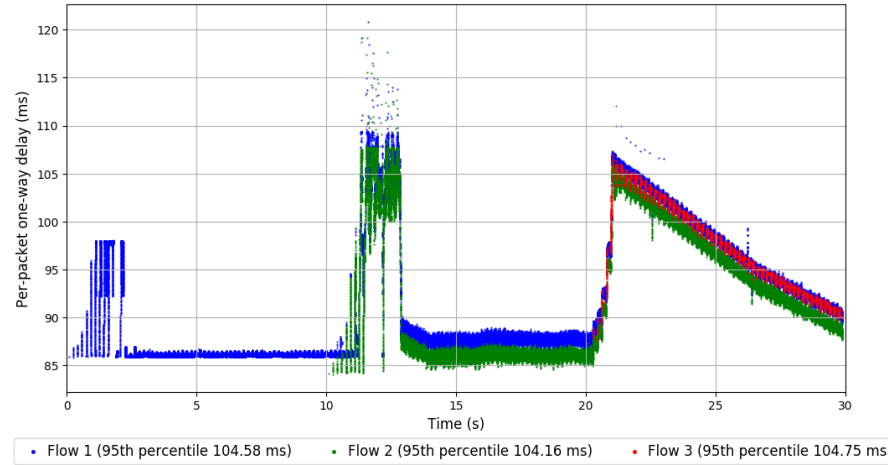
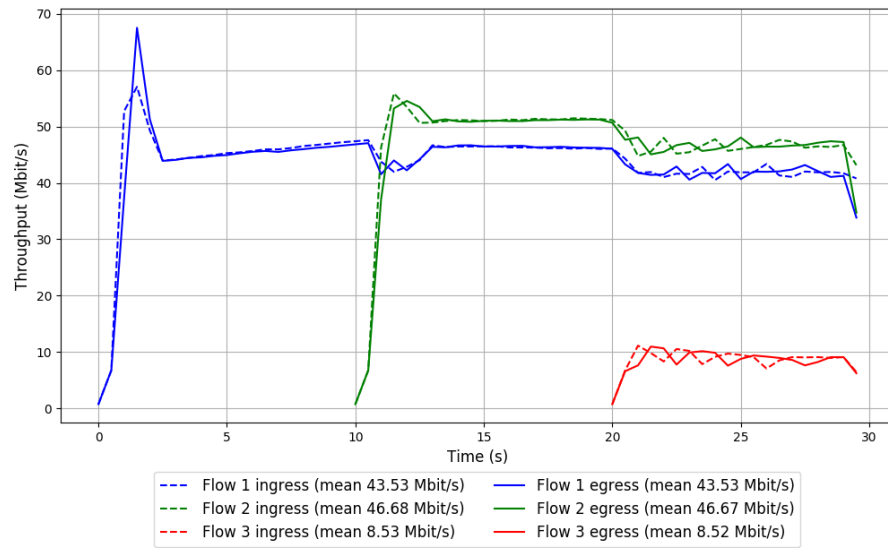


Run 4: Statistics of TCP Vegas

Start at: 2018-02-20 10:55:38  
End at: 2018-02-20 10:56:08  
Local clock offset: -14.634 ms  
Remote clock offset: -4.373 ms

# Below is generated by plot.py at 2018-02-20 17:51:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.32 Mbit/s  
95th percentile per-packet one-way delay: 104.445 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 43.53 Mbit/s  
95th percentile per-packet one-way delay: 104.581 ms  
Loss rate: 0.55%  
-- Flow 2:  
Average throughput: 46.67 Mbit/s  
95th percentile per-packet one-way delay: 104.161 ms  
Loss rate: 0.85%  
-- Flow 3:  
Average throughput: 8.52 Mbit/s  
95th percentile per-packet one-way delay: 104.747 ms  
Loss rate: 1.80%

# Run 4: Report of TCP Vegas — Data Link

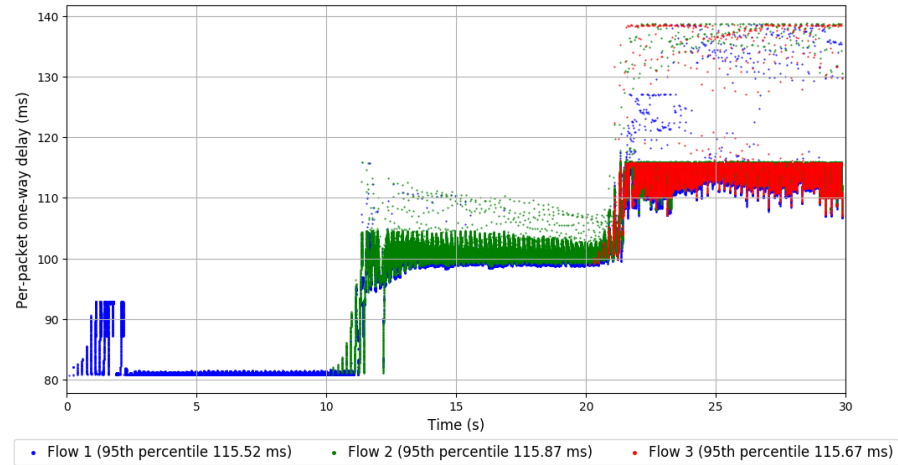
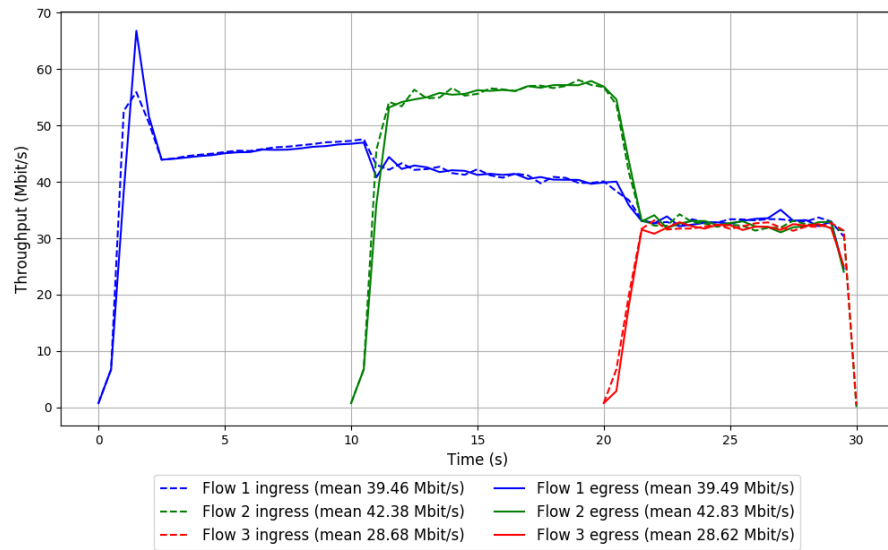


Run 5: Statistics of TCP Vegas

Start at: 2018-02-20 11:19:06  
End at: 2018-02-20 11:19:36  
Local clock offset: -13.941 ms  
Remote clock offset: 0.437 ms

# Below is generated by plot.py at 2018-02-20 17:51:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.28 Mbit/s  
95th percentile per-packet one-way delay: 115.694 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 39.49 Mbit/s  
95th percentile per-packet one-way delay: 115.519 ms  
Loss rate: 0.58%  
-- Flow 2:  
Average throughput: 42.83 Mbit/s  
95th percentile per-packet one-way delay: 115.870 ms  
Loss rate: 0.82%  
-- Flow 3:  
Average throughput: 28.62 Mbit/s  
95th percentile per-packet one-way delay: 115.672 ms  
Loss rate: 2.51%

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

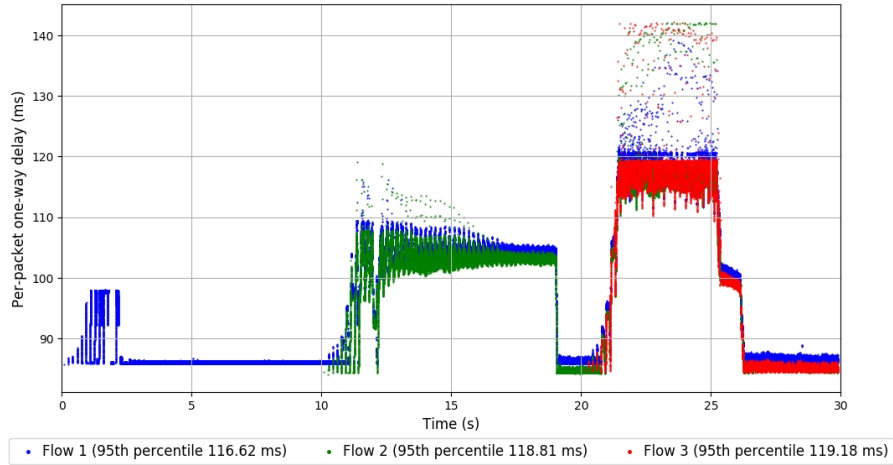
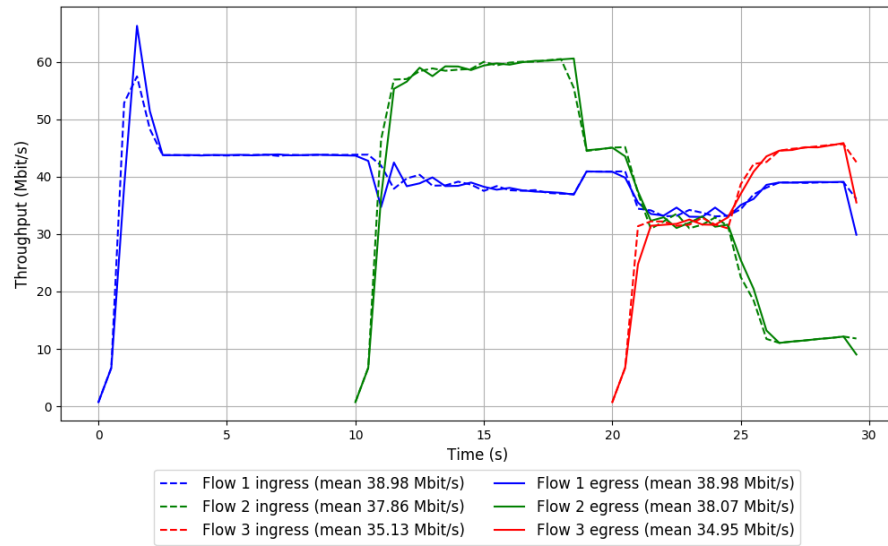


Run 6: Statistics of TCP Vegas

Start at: 2018-02-20 11:42:37  
End at: 2018-02-20 11:43:07  
Local clock offset: -14.472 ms  
Remote clock offset: -4.396 ms

# Below is generated by plot.py at 2018-02-20 17:51:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.72 Mbit/s  
95th percentile per-packet one-way delay: 118.753 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 38.98 Mbit/s  
95th percentile per-packet one-way delay: 116.616 ms  
Loss rate: 0.56%  
-- Flow 2:  
Average throughput: 38.07 Mbit/s  
95th percentile per-packet one-way delay: 118.813 ms  
Loss rate: 0.28%  
-- Flow 3:  
Average throughput: 34.95 Mbit/s  
95th percentile per-packet one-way delay: 119.181 ms  
Loss rate: 2.19%

# Run 6: Report of TCP Vegas — Data Link



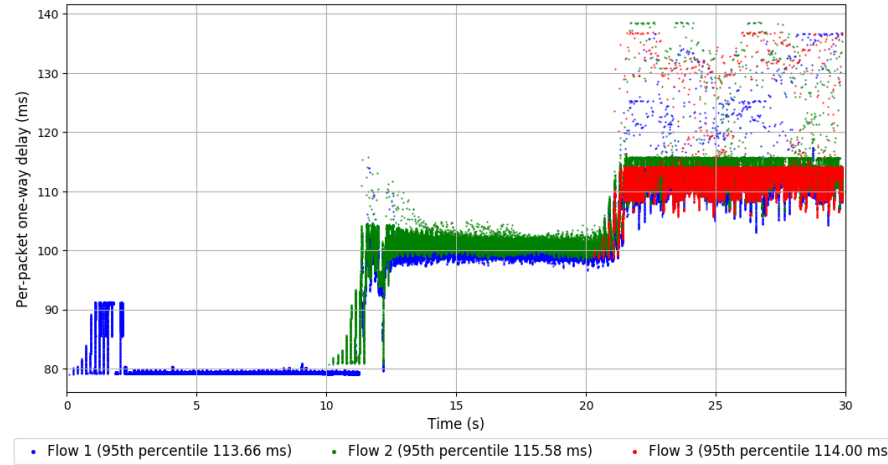
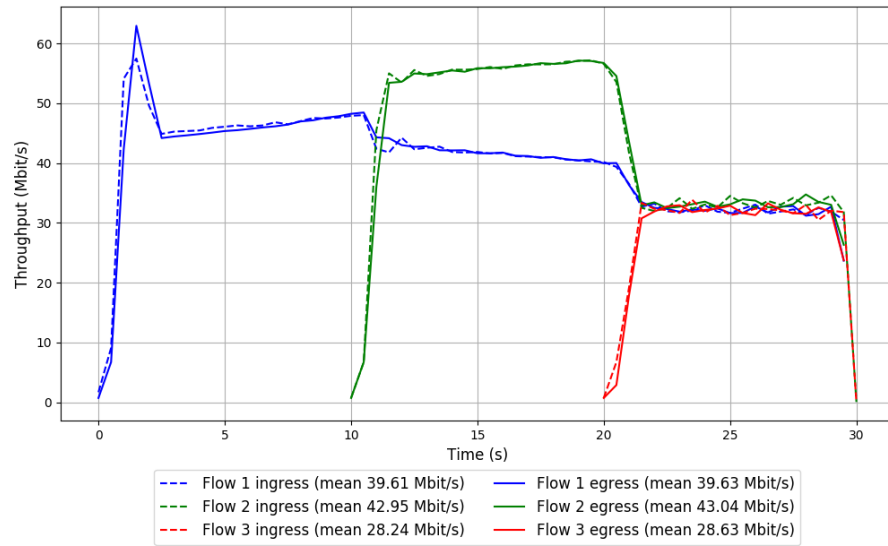
Run 7: Statistics of TCP Vegas

Start at: 2018-02-20 12:06:10  
End at: 2018-02-20 12:06:40  
Local clock offset: -14.583 ms  
Remote clock offset: 0.707 ms

# Below is generated by plot.py at 2018-02-20 17:51:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.56 Mbit/s  
95th percentile per-packet one-way delay: 114.500 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 39.63 Mbit/s  
95th percentile per-packet one-way delay: 113.655 ms  
Loss rate: 0.58%  
-- Flow 2:  
Average throughput: 43.04 Mbit/s  
95th percentile per-packet one-way delay: 115.578 ms  
Loss rate: 0.82%  
-- Flow 3:  
Average throughput: 28.63 Mbit/s  
95th percentile per-packet one-way delay: 114.004 ms  
Loss rate: 2.52%



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

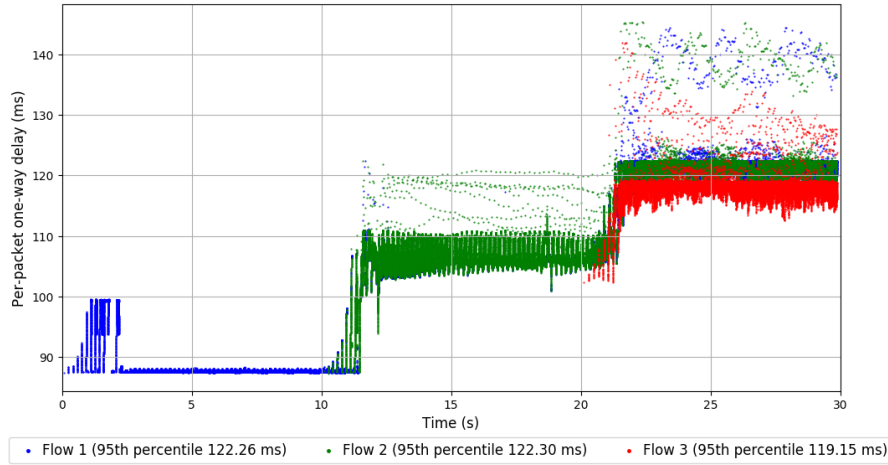
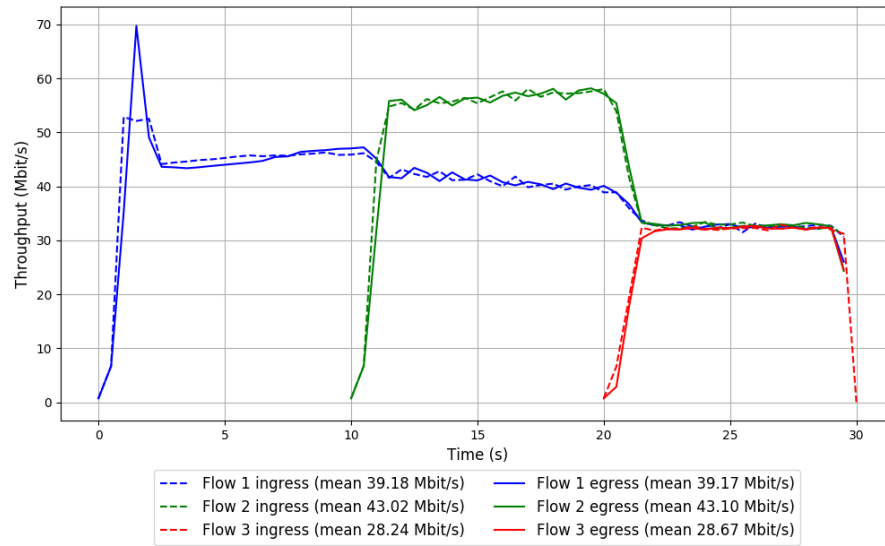


Run 8: Statistics of TCP Vegas

Start at: 2018-02-20 12:29:46  
End at: 2018-02-20 12:30:16  
Local clock offset: -10.914 ms  
Remote clock offset: -4.069 ms

# Below is generated by plot.py at 2018-02-20 17:51:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.14 Mbit/s  
95th percentile per-packet one-way delay: 122.265 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 39.17 Mbit/s  
95th percentile per-packet one-way delay: 122.256 ms  
Loss rate: 0.57%  
-- Flow 2:  
Average throughput: 43.10 Mbit/s  
95th percentile per-packet one-way delay: 122.298 ms  
Loss rate: 0.79%  
-- Flow 3:  
Average throughput: 28.67 Mbit/s  
95th percentile per-packet one-way delay: 119.152 ms  
Loss rate: 2.46%

# Run 8: Report of TCP Vegas — Data Link

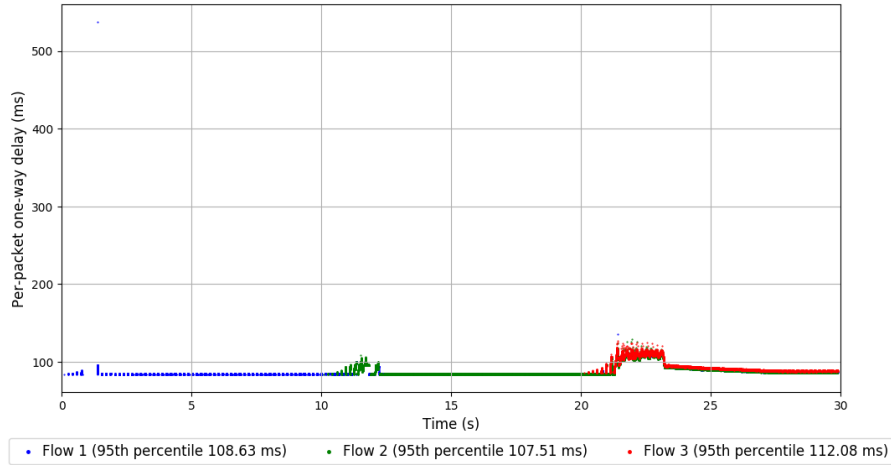
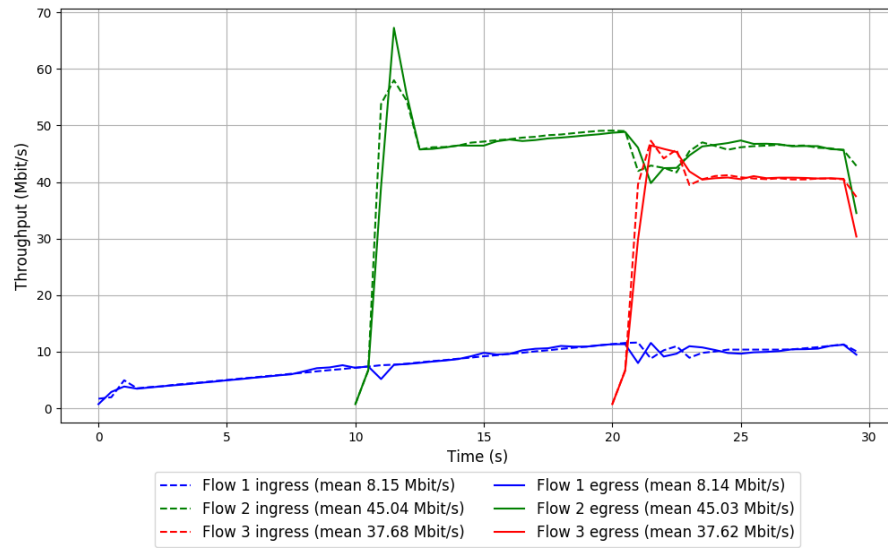


Run 9: Statistics of TCP Vegas

Start at: 2018-02-20 12:53:25  
End at: 2018-02-20 12:53:55  
Local clock offset: -14.705 ms  
Remote clock offset: -4.106 ms

# Below is generated by plot.py at 2018-02-20 17:51:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 50.37 Mbit/s  
95th percentile per-packet one-way delay: 109.571 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 8.14 Mbit/s  
95th percentile per-packet one-way delay: 108.629 ms  
Loss rate: 0.78%  
-- Flow 2:  
Average throughput: 45.03 Mbit/s  
95th percentile per-packet one-way delay: 107.511 ms  
Loss rate: 0.85%  
-- Flow 3:  
Average throughput: 37.62 Mbit/s  
95th percentile per-packet one-way delay: 112.079 ms  
Loss rate: 1.84%

# Run 9: Report of TCP Vegas — Data Link

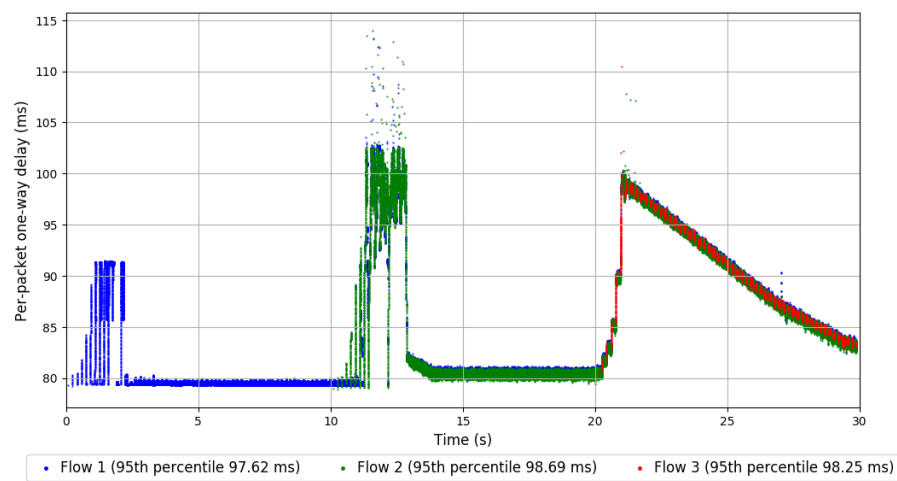
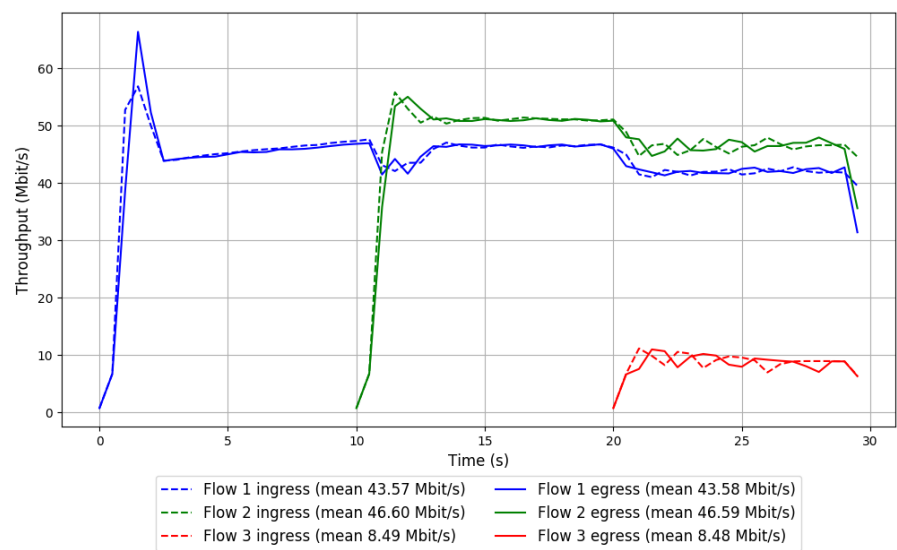


Run 10: Statistics of TCP Vegas

Start at: 2018-02-20 13:16:57  
End at: 2018-02-20 13:17:27  
Local clock offset: -14.772 ms  
Remote clock offset: 2.382 ms

# Below is generated by plot.py at 2018-02-20 17:51:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.30 Mbit/s  
95th percentile per-packet one-way delay: 98.150 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 43.58 Mbit/s  
95th percentile per-packet one-way delay: 97.625 ms  
Loss rate: 0.55%  
-- Flow 2:  
Average throughput: 46.59 Mbit/s  
95th percentile per-packet one-way delay: 98.688 ms  
Loss rate: 0.86%  
-- Flow 3:  
Average throughput: 8.48 Mbit/s  
95th percentile per-packet one-way delay: 98.253 ms  
Loss rate: 1.79%

Run 10: Report of TCP Vegas — Data Link



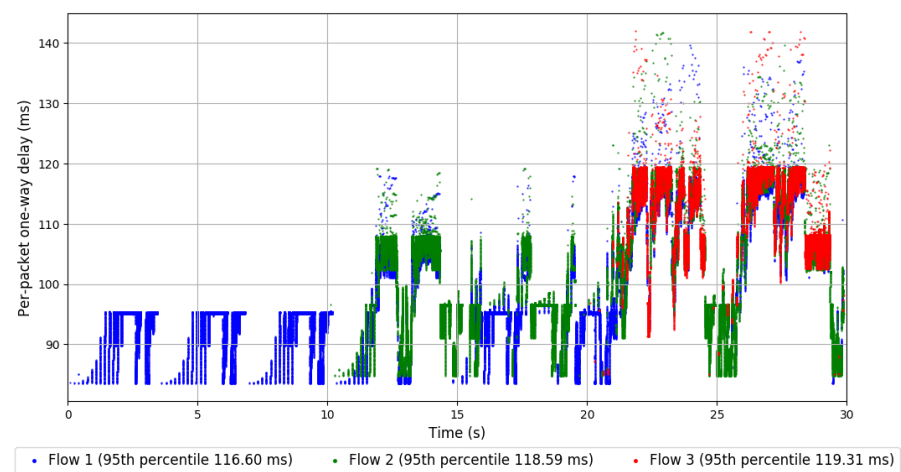
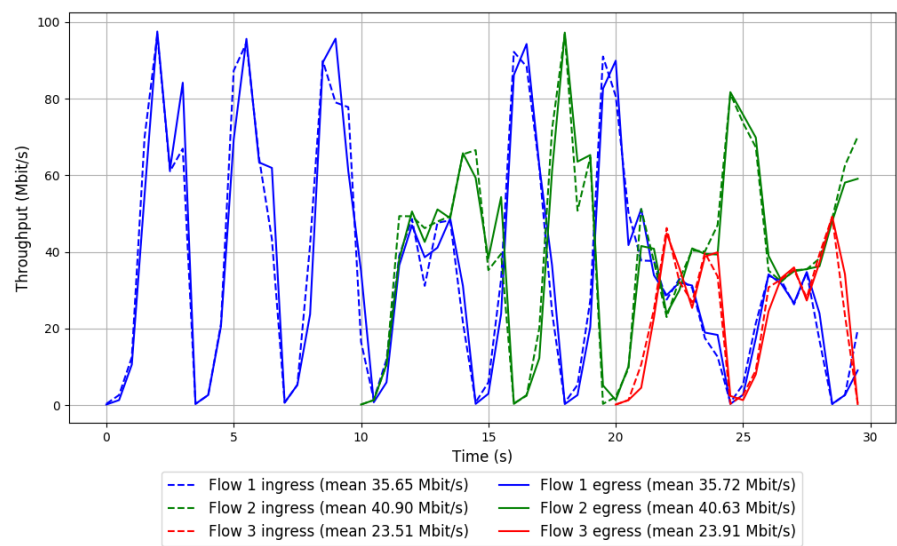
Run 1: Statistics of Verus

Start at: 2018-02-20 10:07:09  
End at: 2018-02-20 10:07:39  
Local clock offset: -14.421 ms  
Remote clock offset: -3.141 ms

# Below is generated by plot.py at 2018-02-20 17:51:33  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 70.48 Mbit/s  
95th percentile per-packet one-way delay: 117.948 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 35.72 Mbit/s  
95th percentile per-packet one-way delay: 116.596 ms  
Loss rate: 0.49%  
-- Flow 2:  
Average throughput: 40.63 Mbit/s  
95th percentile per-packet one-way delay: 118.586 ms  
Loss rate: 1.57%  
-- Flow 3:  
Average throughput: 23.91 Mbit/s  
95th percentile per-packet one-way delay: 119.314 ms  
Loss rate: 0.05%



Run 1: Report of Verus — Data Link

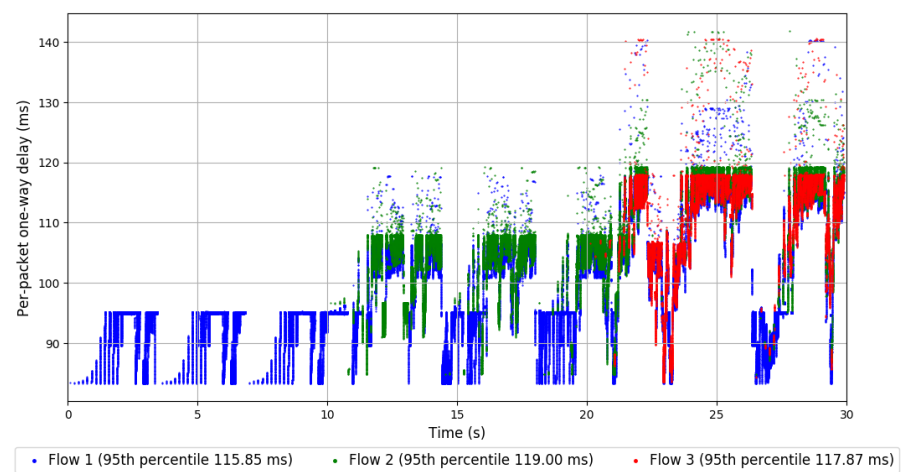
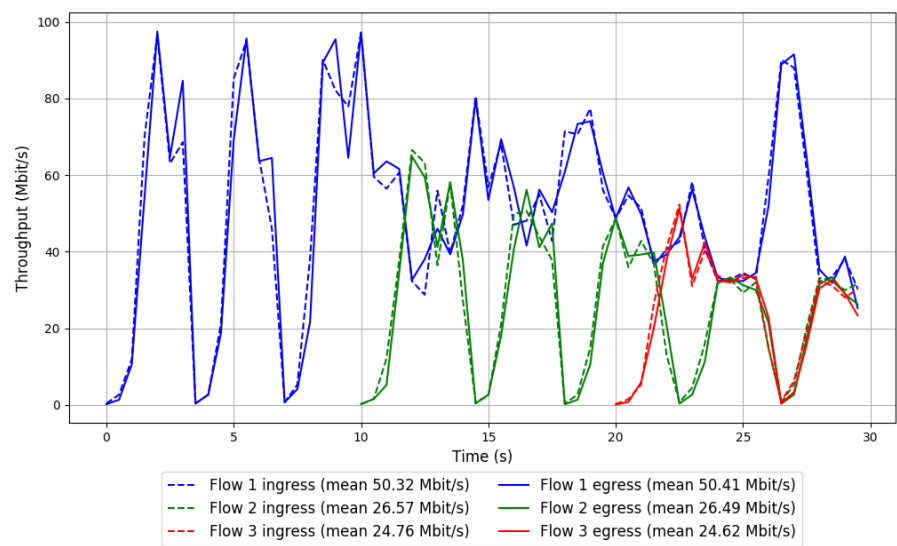


Run 2: Statistics of Verus

Start at: 2018-02-20 10:30:49  
End at: 2018-02-20 10:31:19  
Local clock offset: -14.501 ms  
Remote clock offset: -3.592 ms

# Below is generated by plot.py at 2018-02-20 17:51:40  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.04 Mbit/s  
95th percentile per-packet one-way delay: 117.661 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 50.41 Mbit/s  
95th percentile per-packet one-way delay: 115.847 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 26.49 Mbit/s  
95th percentile per-packet one-way delay: 119.001 ms  
Loss rate: 1.23%  
-- Flow 3:  
Average throughput: 24.62 Mbit/s  
95th percentile per-packet one-way delay: 117.870 ms  
Loss rate: 2.68%

Run 2: Report of Verus — Data Link

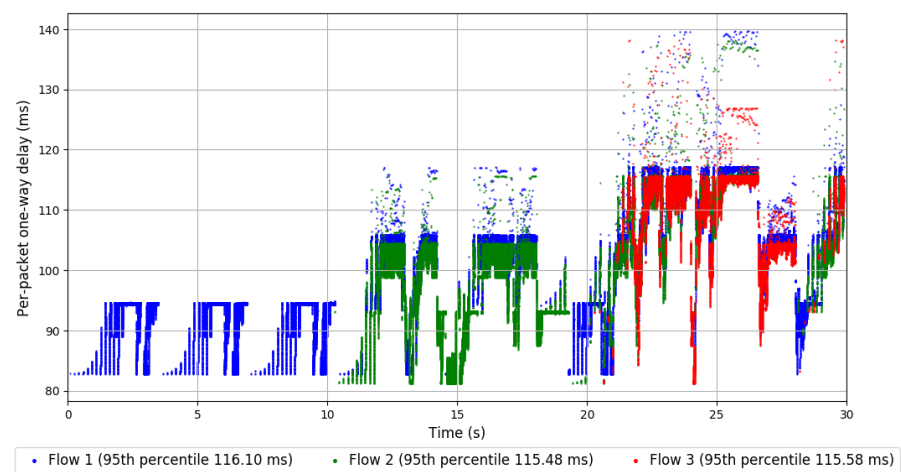
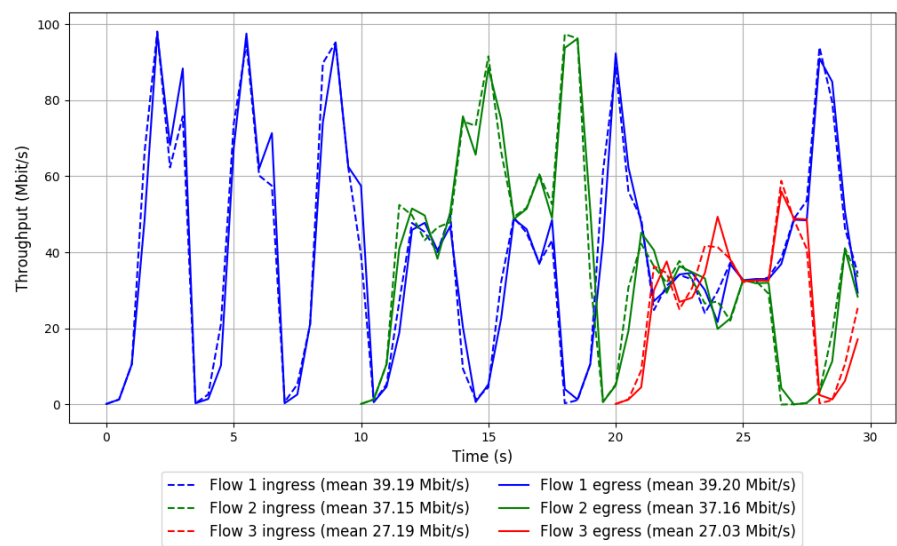


Run 3: Statistics of Verus

Start at: 2018-02-20 10:54:18  
End at: 2018-02-20 10:54:48  
Local clock offset: -14.579 ms  
Remote clock offset: 0.407 ms

# Below is generated by plot.py at 2018-02-20 17:52:06  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 72.74 Mbit/s  
95th percentile per-packet one-way delay: 115.555 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 39.20 Mbit/s  
95th percentile per-packet one-way delay: 116.097 ms  
Loss rate: 0.58%  
-- Flow 2:  
Average throughput: 37.16 Mbit/s  
95th percentile per-packet one-way delay: 115.478 ms  
Loss rate: 0.88%  
-- Flow 3:  
Average throughput: 27.03 Mbit/s  
95th percentile per-packet one-way delay: 115.580 ms  
Loss rate: 2.33%

Run 3: Report of Verus — Data Link

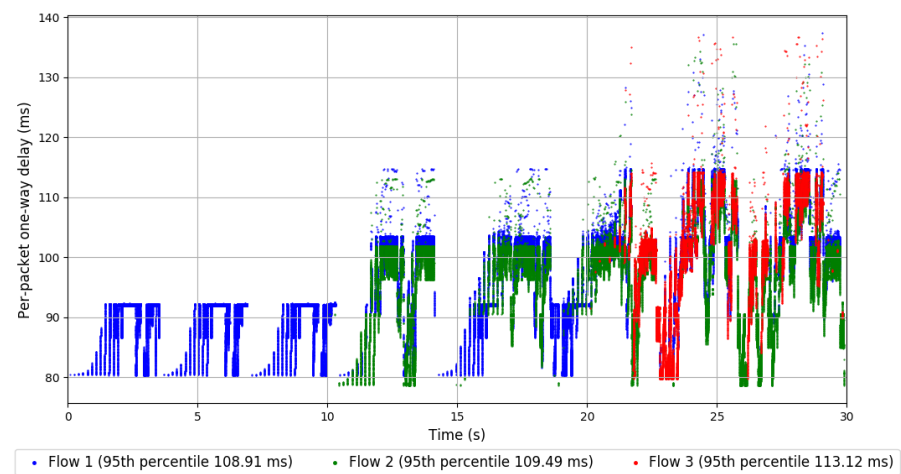
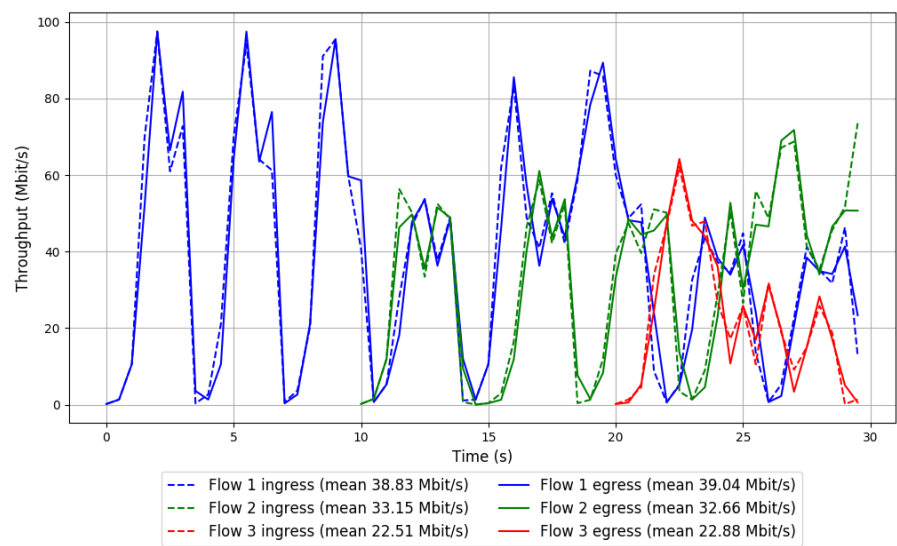


Run 4: Statistics of Verus

Start at: 2018-02-20 11:17:47  
End at: 2018-02-20 11:18:17  
Local clock offset: -14.028 ms  
Remote clock offset: 1.288 ms

# Below is generated by plot.py at 2018-02-20 17:52:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 67.97 Mbit/s  
95th percentile per-packet one-way delay: 110.090 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 39.04 Mbit/s  
95th percentile per-packet one-way delay: 108.909 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 32.66 Mbit/s  
95th percentile per-packet one-way delay: 109.490 ms  
Loss rate: 2.40%  
-- Flow 3:  
Average throughput: 22.88 Mbit/s  
95th percentile per-packet one-way delay: 113.122 ms  
Loss rate: 0.18%

Run 4: Report of Verus — Data Link



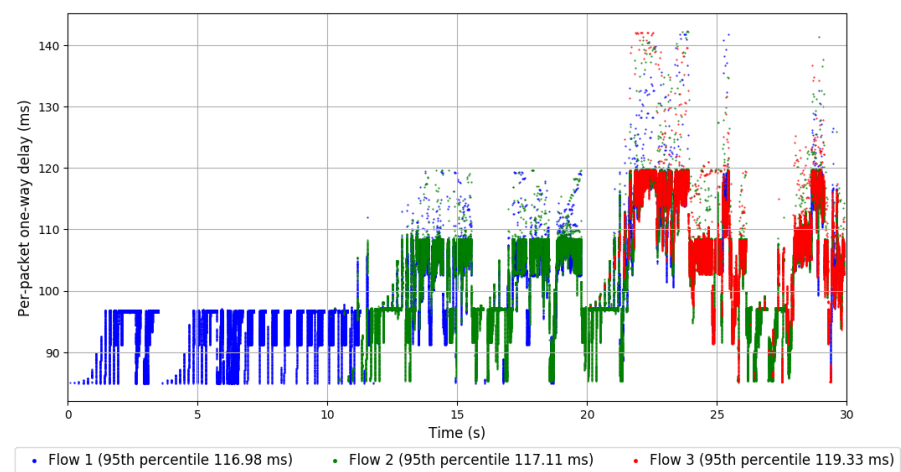
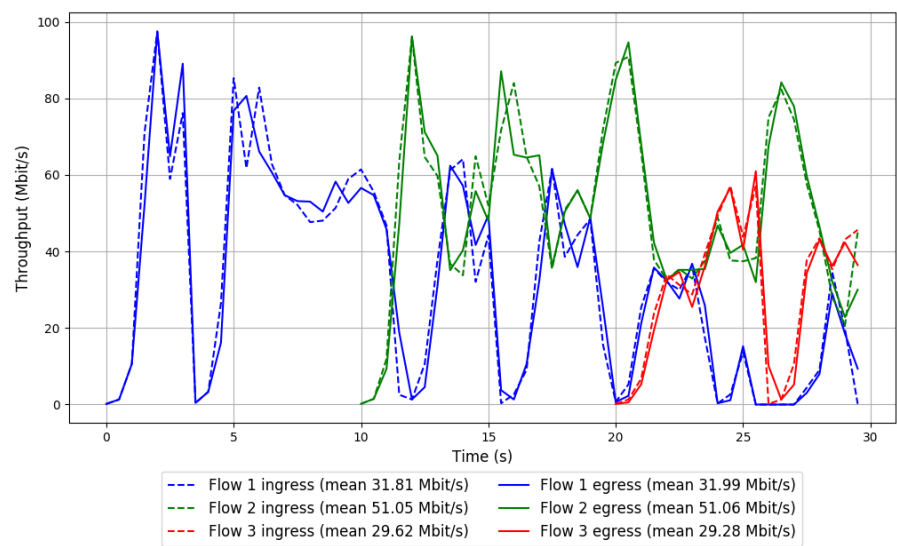
Run 5: Statistics of Verus

Start at: 2018-02-20 11:41:17  
End at: 2018-02-20 11:41:47  
Local clock offset: -14.409 ms  
Remote clock offset: -3.607 ms

# Below is generated by plot.py at 2018-02-20 17:52:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 75.36 Mbit/s  
95th percentile per-packet one-way delay: 117.875 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 31.99 Mbit/s  
95th percentile per-packet one-way delay: 116.985 ms  
Loss rate: 0.01%  
-- Flow 2:  
Average throughput: 51.06 Mbit/s  
95th percentile per-packet one-way delay: 117.112 ms  
Loss rate: 0.92%  
-- Flow 3:  
Average throughput: 29.28 Mbit/s  
95th percentile per-packet one-way delay: 119.333 ms  
Loss rate: 3.10%



Run 5: Report of Verus — Data Link

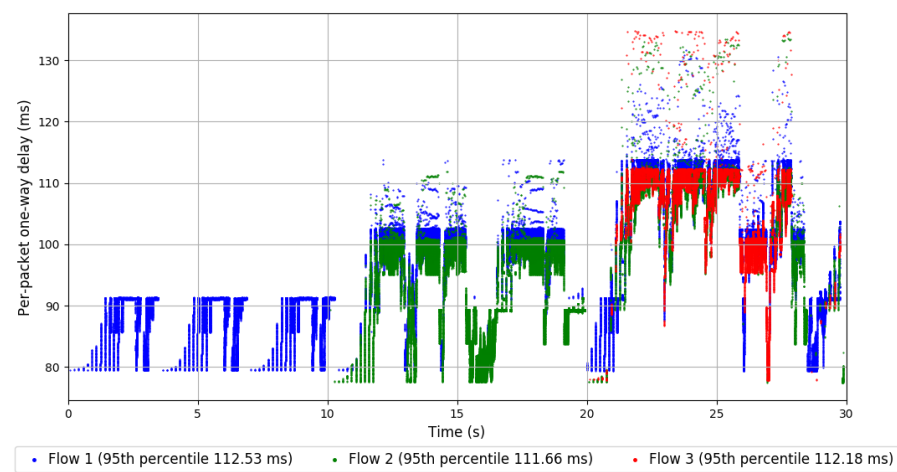
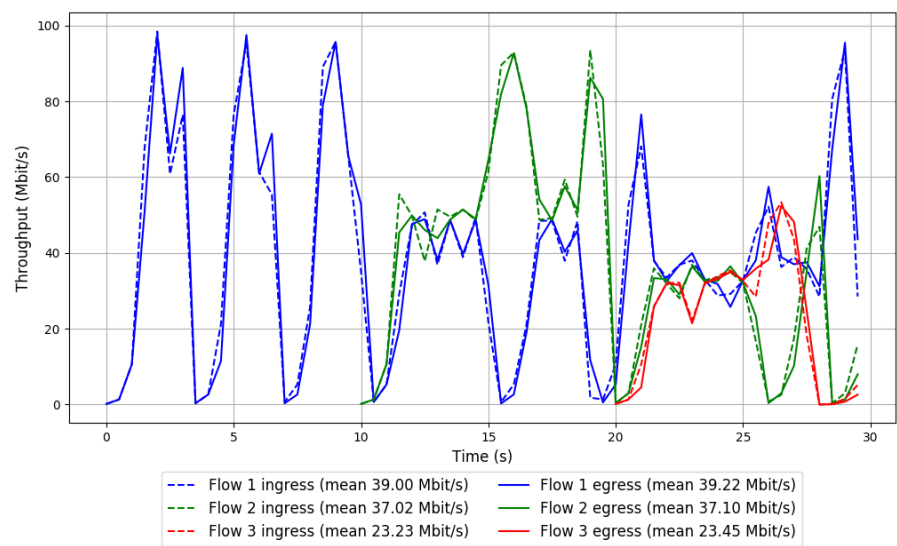


Run 6: Statistics of Verus

Start at: 2018-02-20 12:04:50  
End at: 2018-02-20 12:05:20  
Local clock offset: -14.875 ms  
Remote clock offset: 2.415 ms

# Below is generated by plot.py at 2018-02-20 17:52:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 71.27 Mbit/s  
95th percentile per-packet one-way delay: 112.065 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 39.22 Mbit/s  
95th percentile per-packet one-way delay: 112.531 ms  
Loss rate: 0.00%  
-- Flow 2:  
Average throughput: 37.10 Mbit/s  
95th percentile per-packet one-way delay: 111.655 ms  
Loss rate: 0.65%  
-- Flow 3:  
Average throughput: 23.45 Mbit/s  
95th percentile per-packet one-way delay: 112.179 ms  
Loss rate: 0.76%

Run 6: Report of Verus — Data Link

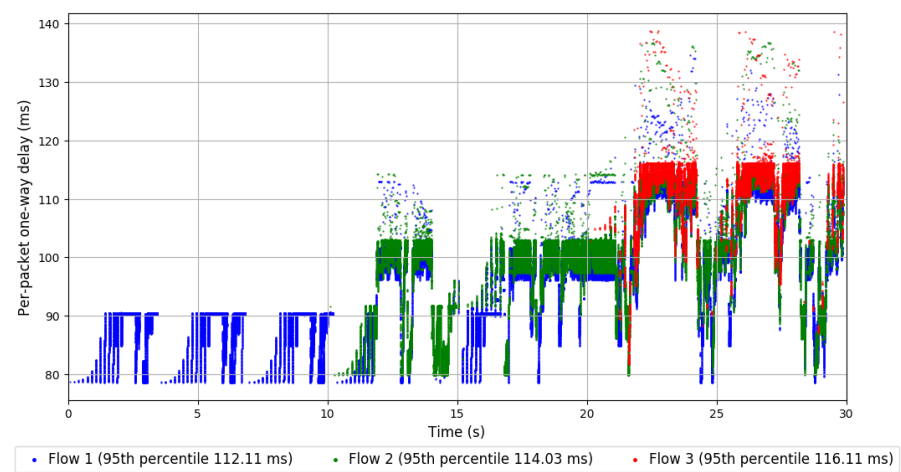
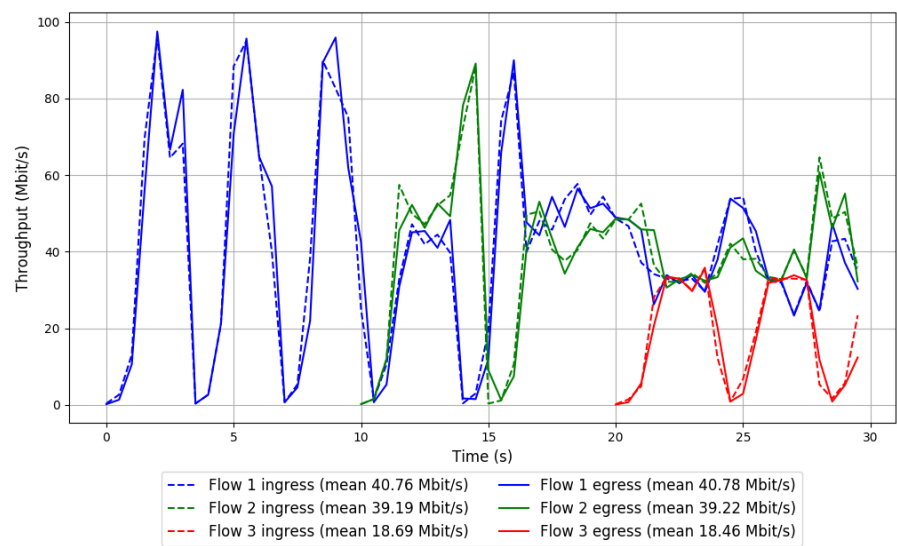


Run 7: Statistics of Verus

Start at: 2018-02-20 12:28:26  
End at: 2018-02-20 12:28:56  
Local clock offset: -10.929 ms  
Remote clock offset: 1.769 ms

# Below is generated by plot.py at 2018-02-20 17:52:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 72.84 Mbit/s  
95th percentile per-packet one-way delay: 114.105 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 40.78 Mbit/s  
95th percentile per-packet one-way delay: 112.105 ms  
Loss rate: 0.54%  
-- Flow 2:  
Average throughput: 39.22 Mbit/s  
95th percentile per-packet one-way delay: 114.025 ms  
Loss rate: 0.87%  
-- Flow 3:  
Average throughput: 18.46 Mbit/s  
95th percentile per-packet one-way delay: 116.112 ms  
Loss rate: 3.34%

Run 7: Report of Verus — Data Link

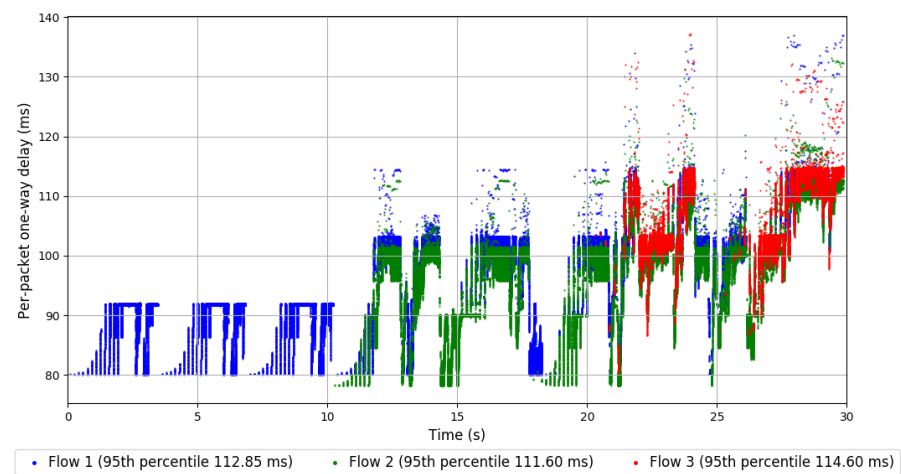
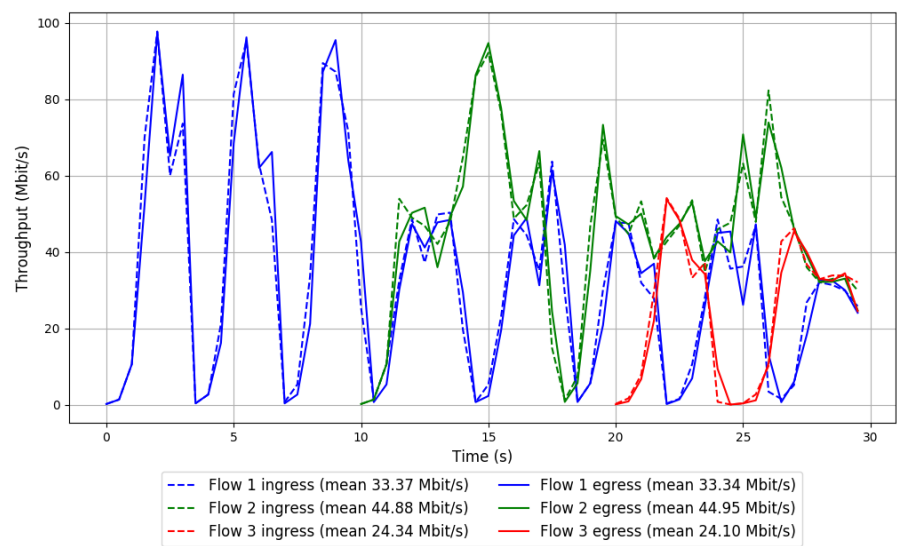


Run 8: Statistics of Verus

Start at: 2018-02-20 12:52:06  
End at: 2018-02-20 12:52:36  
Local clock offset: -14.535 ms  
Remote clock offset: 1.588 ms

# Below is generated by plot.py at 2018-02-20 17:52:38  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 71.05 Mbit/s  
95th percentile per-packet one-way delay: 112.895 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 33.34 Mbit/s  
95th percentile per-packet one-way delay: 112.846 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 44.95 Mbit/s  
95th percentile per-packet one-way delay: 111.596 ms  
Loss rate: 0.76%  
-- Flow 3:  
Average throughput: 24.10 Mbit/s  
95th percentile per-packet one-way delay: 114.598 ms  
Loss rate: 3.06%

Run 8: Report of Verus — Data Link



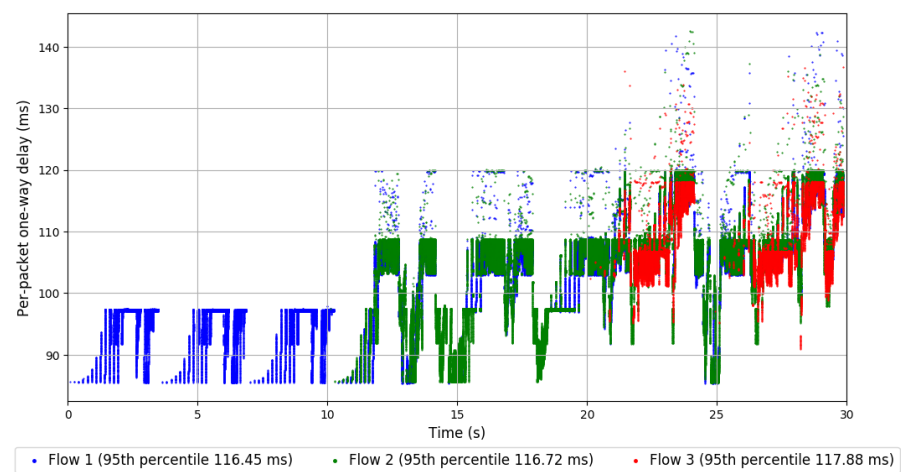
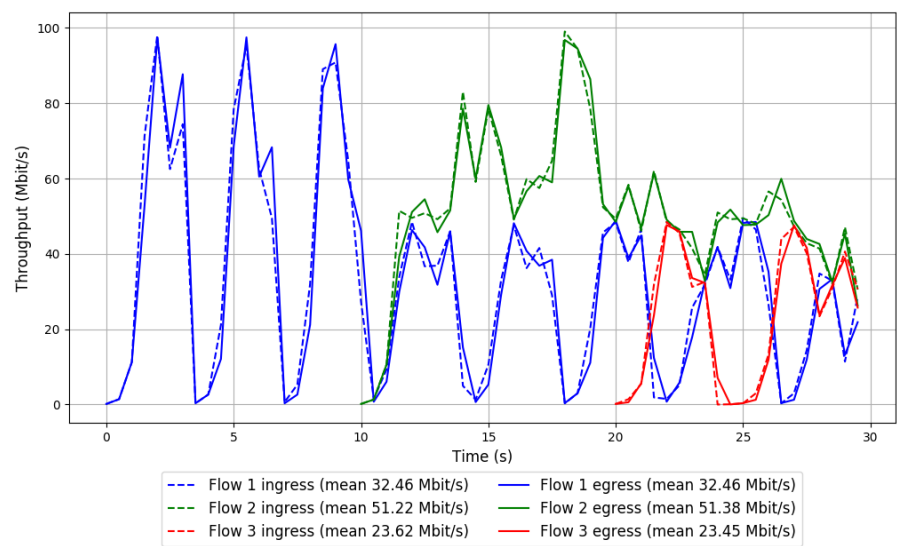
Run 9: Statistics of Verus

Start at: 2018-02-20 13:15:37  
End at: 2018-02-20 13:16:07  
Local clock offset: -15.331 ms  
Remote clock offset: -4.03 ms

# Below is generated by plot.py at 2018-02-20 17:52:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 74.22 Mbit/s  
95th percentile per-packet one-way delay: 117.227 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 32.46 Mbit/s  
95th percentile per-packet one-way delay: 116.449 ms  
Loss rate: 0.67%  
-- Flow 2:  
Average throughput: 51.38 Mbit/s  
95th percentile per-packet one-way delay: 116.724 ms  
Loss rate: 0.64%  
-- Flow 3:  
Average throughput: 23.45 Mbit/s  
95th percentile per-packet one-way delay: 117.884 ms  
Loss rate: 2.80%



Run 9: Report of Verus — Data Link

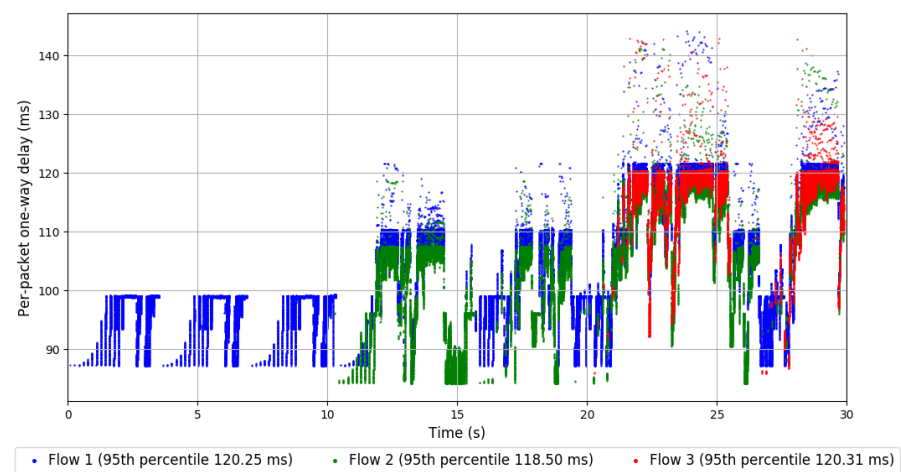
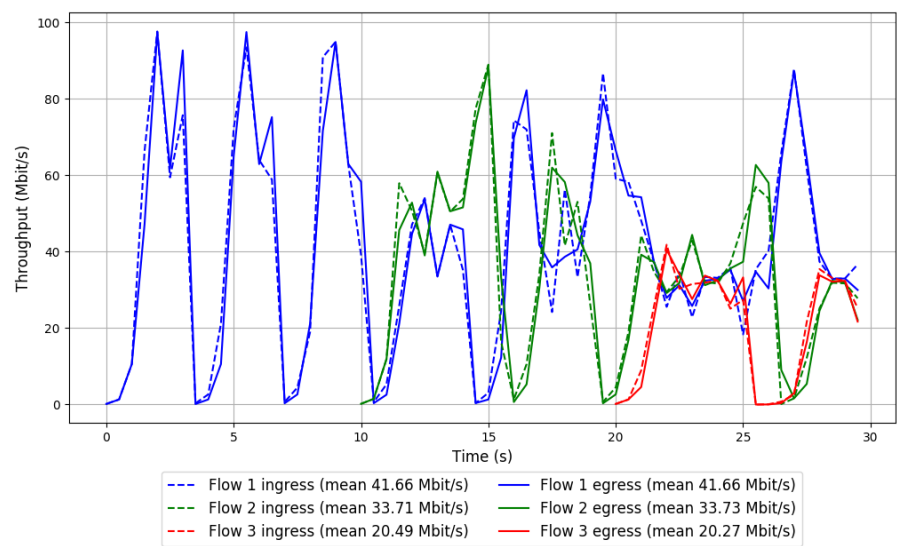


Run 10: Statistics of Verus

Start at: 2018-02-20 13:39:13  
End at: 2018-02-20 13:39:43  
Local clock offset: -11.464 ms  
Remote clock offset: -4.094 ms

# Below is generated by plot.py at 2018-02-20 17:52:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 70.69 Mbit/s  
95th percentile per-packet one-way delay: 120.118 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 41.66 Mbit/s  
95th percentile per-packet one-way delay: 120.250 ms  
Loss rate: 0.60%  
-- Flow 2:  
Average throughput: 33.73 Mbit/s  
95th percentile per-packet one-way delay: 118.497 ms  
Loss rate: 0.92%  
-- Flow 3:  
Average throughput: 20.27 Mbit/s  
95th percentile per-packet one-way delay: 120.309 ms  
Loss rate: 2.77%

Run 10: Report of Verus — Data Link

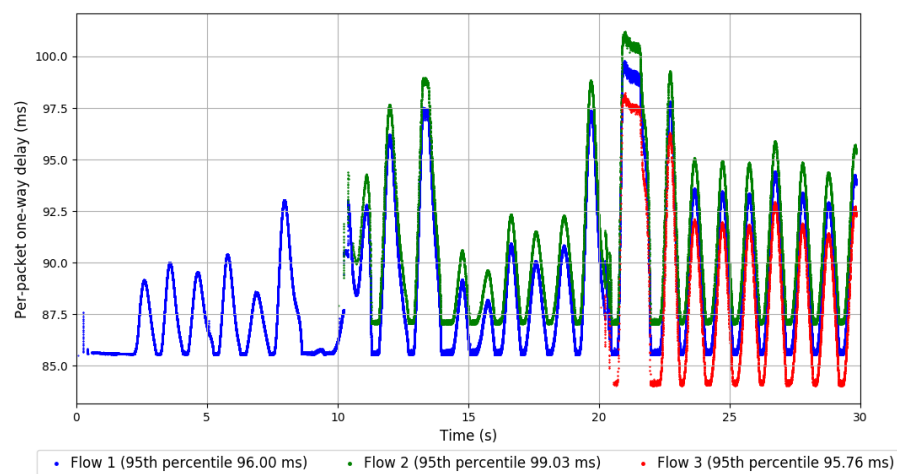
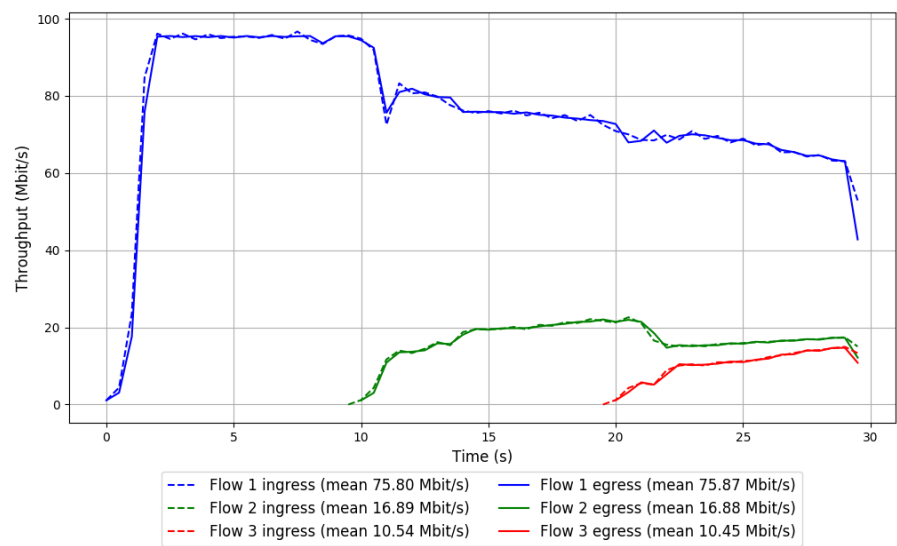


Run 1: Statistics of Copa

Start at: 2018-02-20 09:56:30  
End at: 2018-02-20 09:57:00  
Local clock offset: -14.906 ms  
Remote clock offset: -4.184 ms

# Below is generated by plot.py at 2018-02-20 17:54:36  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.52 Mbit/s  
95th percentile per-packet one-way delay: 96.685 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 75.87 Mbit/s  
95th percentile per-packet one-way delay: 96.004 ms  
Loss rate: 0.47%  
-- Flow 2:  
Average throughput: 16.88 Mbit/s  
95th percentile per-packet one-way delay: 99.035 ms  
Loss rate: 0.90%  
-- Flow 3:  
Average throughput: 10.45 Mbit/s  
95th percentile per-packet one-way delay: 95.763 ms  
Loss rate: 2.50%

Run 1: Report of Copa — Data Link

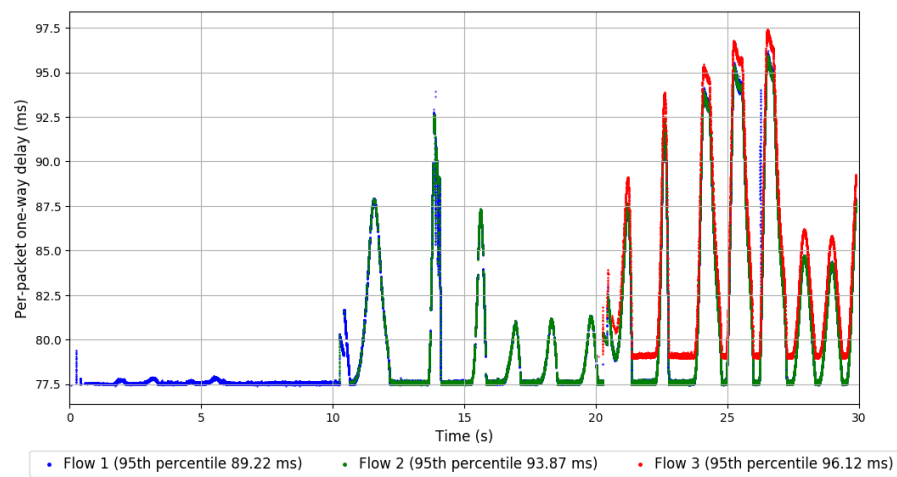
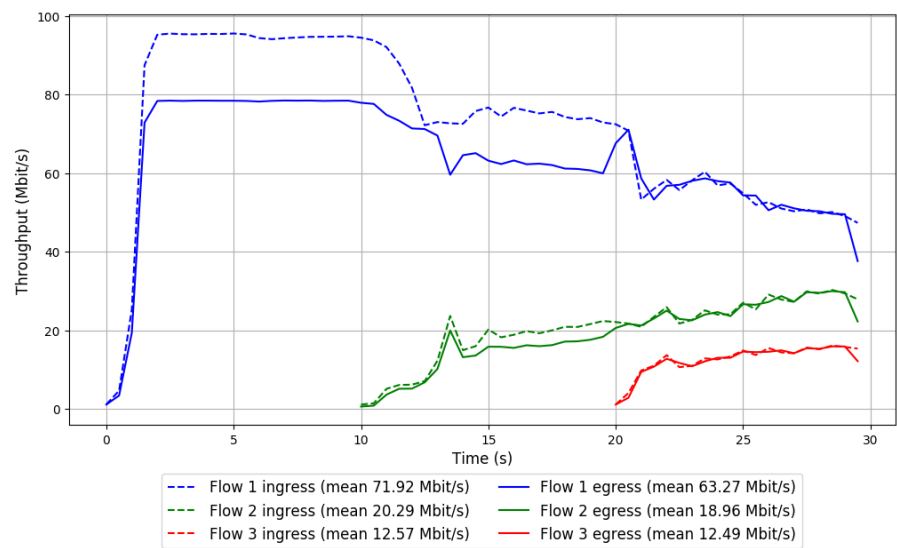


Run 2: Statistics of Copa

Start at: 2018-02-20 10:20:12  
End at: 2018-02-20 10:20:42  
Local clock offset: -14.267 ms  
Remote clock offset: 2.054 ms

# Below is generated by plot.py at 2018-02-20 17:54:39  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.96 Mbit/s  
95th percentile per-packet one-way delay: 91.954 ms  
Loss rate: 11.26%  
-- Flow 1:  
Average throughput: 63.27 Mbit/s  
95th percentile per-packet one-way delay: 89.222 ms  
Loss rate: 12.51%  
-- Flow 2:  
Average throughput: 18.96 Mbit/s  
95th percentile per-packet one-way delay: 93.866 ms  
Loss rate: 7.32%  
-- Flow 3:  
Average throughput: 12.49 Mbit/s  
95th percentile per-packet one-way delay: 96.122 ms  
Loss rate: 2.30%

Run 2: Report of Copa — Data Link



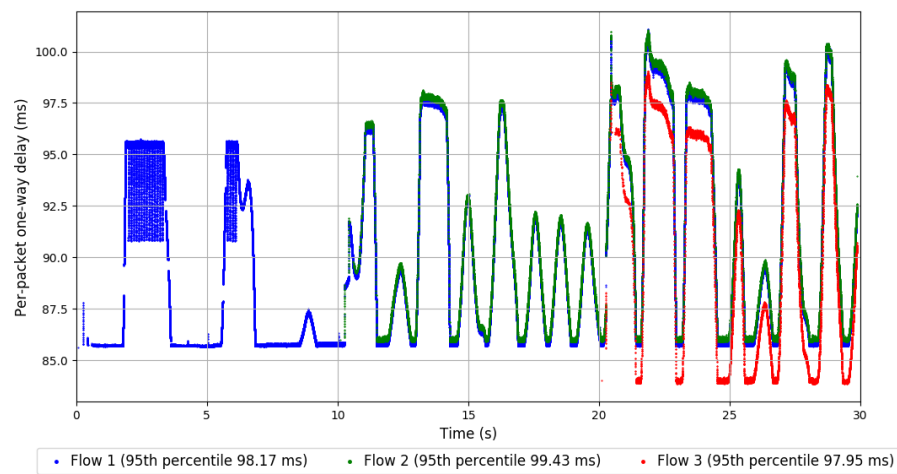
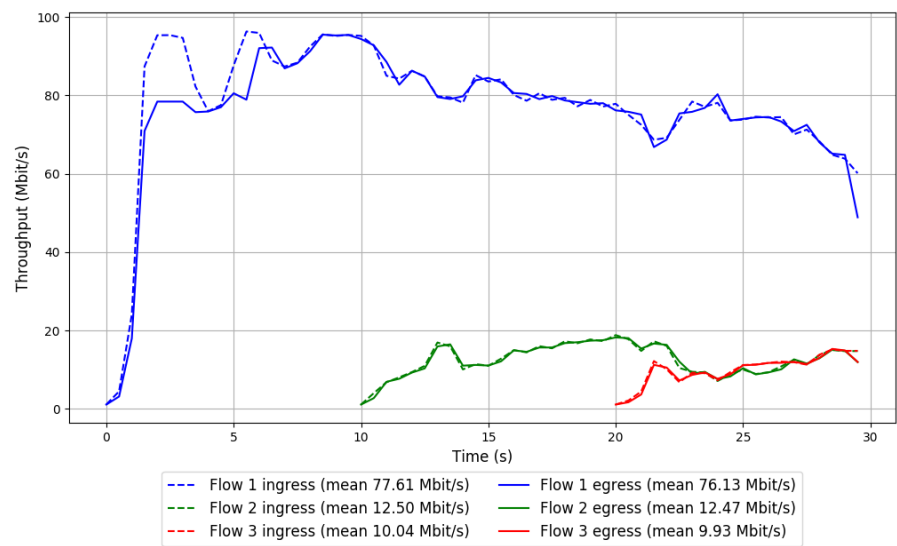
Run 3: Statistics of Copa

Start at: 2018-02-20 10:43:41  
End at: 2018-02-20 10:44:11  
Local clock offset: -14.56 ms  
Remote clock offset: -4.425 ms

# Below is generated by plot.py at 2018-02-20 17:54:51  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 87.67 Mbit/s  
95th percentile per-packet one-way delay: 98.474 ms  
Loss rate: 2.34%  
-- Flow 1:  
Average throughput: 76.13 Mbit/s  
95th percentile per-packet one-way delay: 98.174 ms  
Loss rate: 2.45%  
-- Flow 2:  
Average throughput: 12.47 Mbit/s  
95th percentile per-packet one-way delay: 99.426 ms  
Loss rate: 1.10%  
-- Flow 3:  
Average throughput: 9.93 Mbit/s  
95th percentile per-packet one-way delay: 97.948 ms  
Loss rate: 2.74%



Run 3: Report of Copa — Data Link

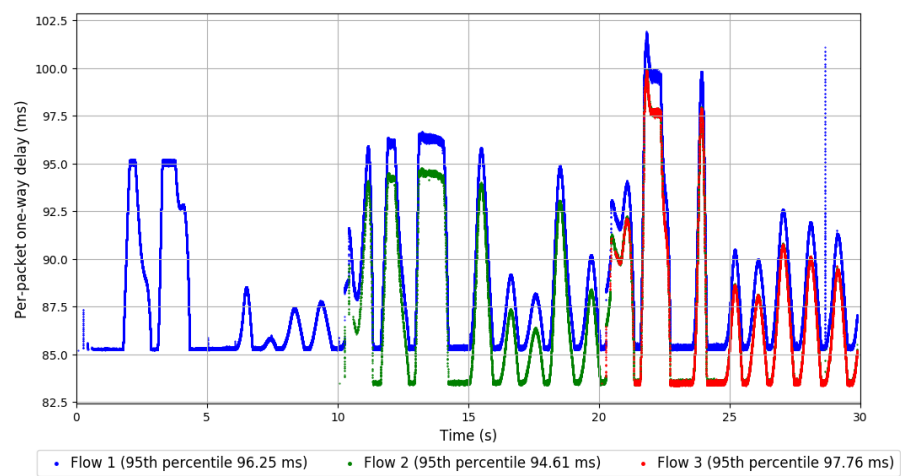
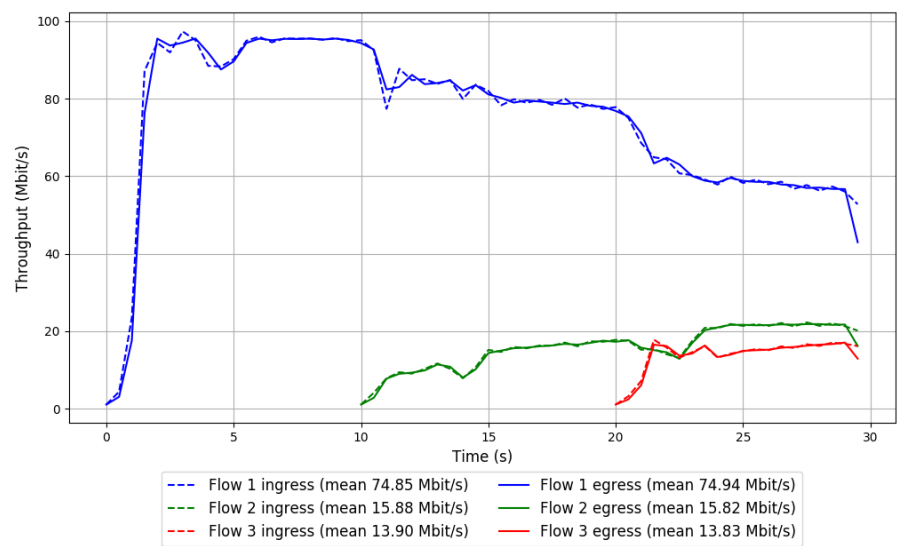


Run 4: Statistics of Copa

Start at: 2018-02-20 11:07:12  
End at: 2018-02-20 11:07:42  
Local clock offset: -14.136 ms  
Remote clock offset: -3.629 ms

# Below is generated by plot.py at 2018-02-20 17:54:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.99 Mbit/s  
95th percentile per-packet one-way delay: 96.274 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 74.94 Mbit/s  
95th percentile per-packet one-way delay: 96.255 ms  
Loss rate: 0.43%  
-- Flow 2:  
Average throughput: 15.82 Mbit/s  
95th percentile per-packet one-way delay: 94.605 ms  
Loss rate: 1.17%  
-- Flow 3:  
Average throughput: 13.83 Mbit/s  
95th percentile per-packet one-way delay: 97.763 ms  
Loss rate: 2.17%

Run 4: Report of Copa — Data Link

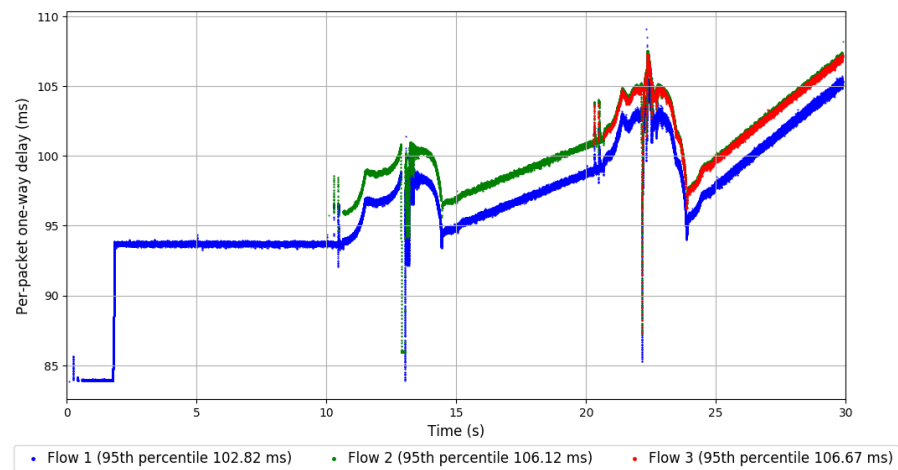
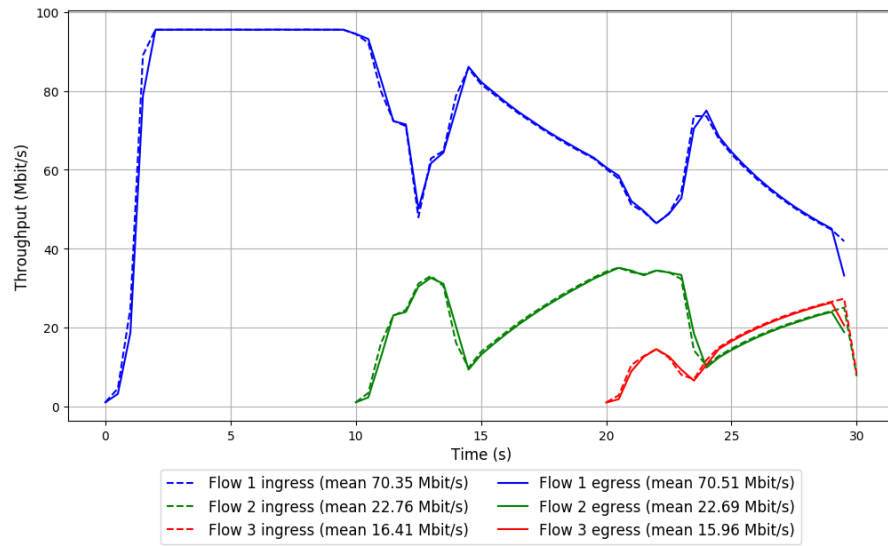


Run 5: Statistics of Copa

Start at: 2018-02-20 11:30:38  
End at: 2018-02-20 11:31:08  
Local clock offset: -13.817 ms  
Remote clock offset: -4.389 ms

# Below is generated by plot.py at 2018-02-20 17:55:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 90.80 Mbit/s  
95th percentile per-packet one-way delay: 104.724 ms  
Loss rate: 1.06%  
-- Flow 1:  
Average throughput: 70.51 Mbit/s  
95th percentile per-packet one-way delay: 102.822 ms  
Loss rate: 0.43%  
-- Flow 2:  
Average throughput: 22.69 Mbit/s  
95th percentile per-packet one-way delay: 106.125 ms  
Loss rate: 2.09%  
-- Flow 3:  
Average throughput: 15.96 Mbit/s  
95th percentile per-packet one-way delay: 106.665 ms  
Loss rate: 6.25%

## Run 5: Report of Copa — Data Link

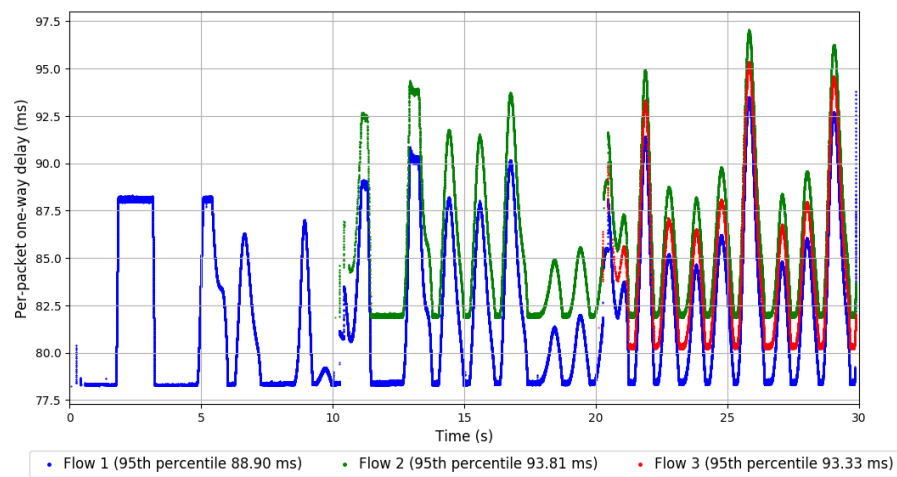
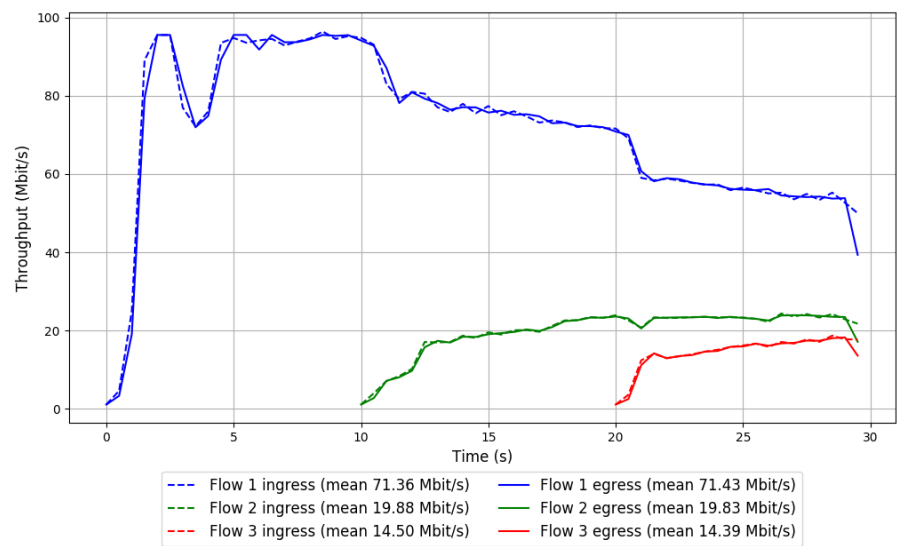


Run 6: Statistics of Copa

Start at: 2018-02-20 11:54:12  
End at: 2018-02-20 11:54:42  
Local clock offset: -14.712 ms  
Remote clock offset: 1.401 ms

# Below is generated by plot.py at 2018-02-20 17:55:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.32 Mbit/s  
95th percentile per-packet one-way delay: 90.187 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 71.43 Mbit/s  
95th percentile per-packet one-way delay: 88.900 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 19.83 Mbit/s  
95th percentile per-packet one-way delay: 93.805 ms  
Loss rate: 1.07%  
-- Flow 3:  
Average throughput: 14.39 Mbit/s  
95th percentile per-packet one-way delay: 93.334 ms  
Loss rate: 2.45%

Run 6: Report of Copa — Data Link



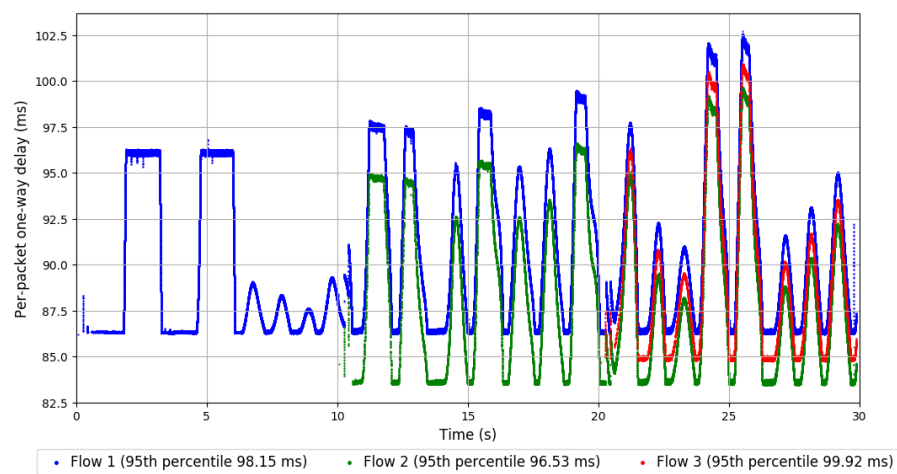
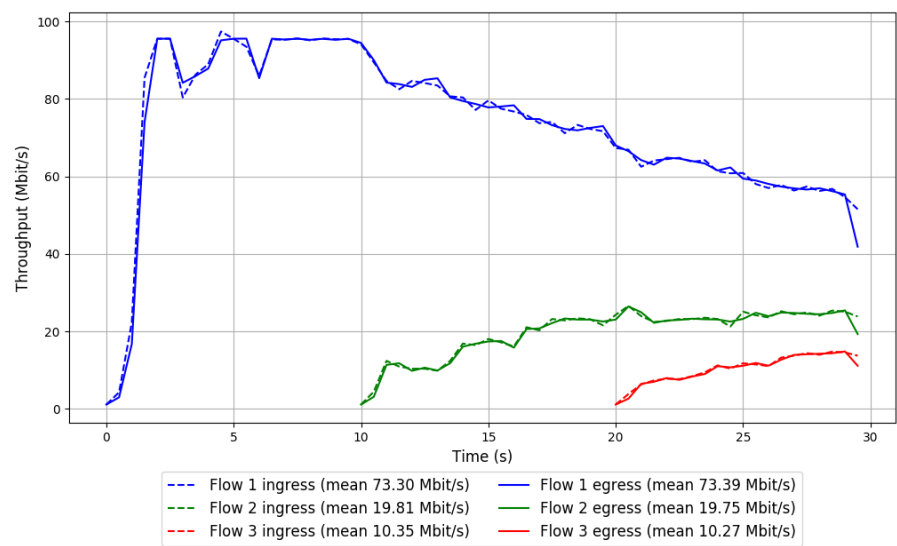
Run 7: Statistics of Copa

Start at: 2018-02-20 12:17:45  
End at: 2018-02-20 12:18:15  
Local clock offset: -11.908 ms  
Remote clock offset: -3.218 ms

# Below is generated by plot.py at 2018-02-20 17:55:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.88 Mbit/s  
95th percentile per-packet one-way delay: 98.150 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 73.39 Mbit/s  
95th percentile per-packet one-way delay: 98.150 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 19.75 Mbit/s  
95th percentile per-packet one-way delay: 96.525 ms  
Loss rate: 1.12%  
-- Flow 3:  
Average throughput: 10.27 Mbit/s  
95th percentile per-packet one-way delay: 99.921 ms  
Loss rate: 2.49%



Run 7: Report of Copa — Data Link

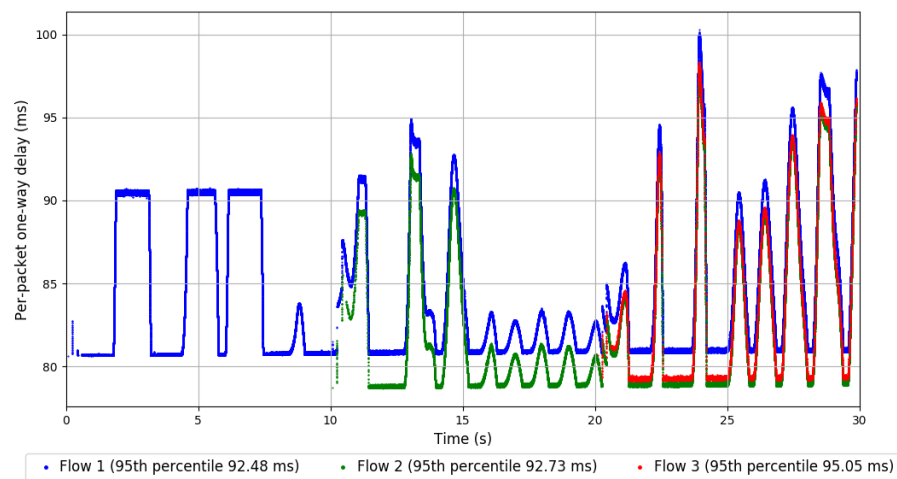
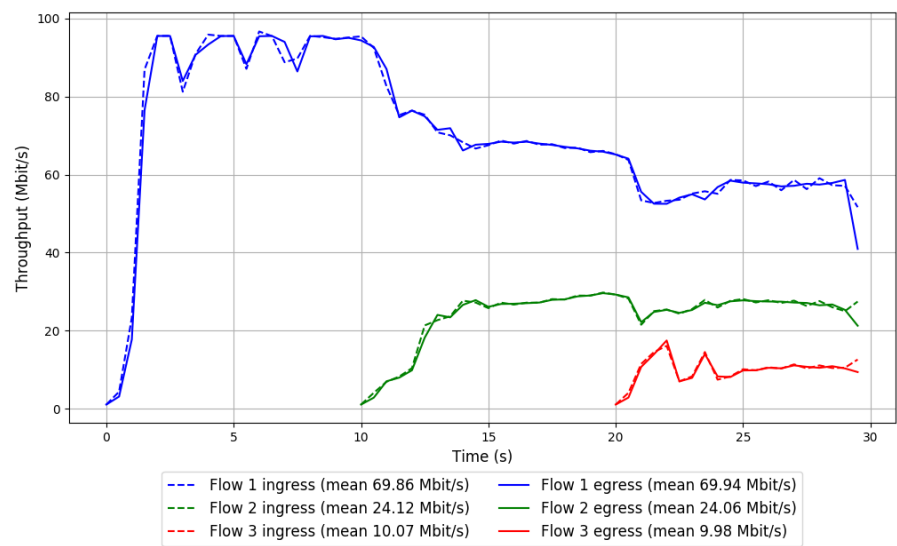


Run 8: Statistics of Copa

Start at: 2018-02-20 12:41:23  
End at: 2018-02-20 12:41:53  
Local clock offset: -11.293 ms  
Remote clock offset: 1.473 ms

# Below is generated by plot.py at 2018-02-20 17:55:07  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 89.20 Mbit/s  
95th percentile per-packet one-way delay: 92.696 ms  
Loss rate: 0.66%  
-- Flow 1:  
Average throughput: 69.94 Mbit/s  
95th percentile per-packet one-way delay: 92.478 ms  
Loss rate: 0.47%  
-- Flow 2:  
Average throughput: 24.06 Mbit/s  
95th percentile per-packet one-way delay: 92.732 ms  
Loss rate: 1.08%  
-- Flow 3:  
Average throughput: 9.98 Mbit/s  
95th percentile per-packet one-way delay: 95.052 ms  
Loss rate: 2.57%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-02-20 13:04:59

End at: 2018-02-20 13:05:29

Local clock offset: -15.86 ms

Remote clock offset: 0.719 ms

# Below is generated by plot.py at 2018-02-20 17:56:55

# Datalink statistics

-- Total of 3 flows:

Average throughput: 89.04 Mbit/s

95th percentile per-packet one-way delay: 95.474 ms

Loss rate: 0.59%

-- Flow 1:

Average throughput: 66.54 Mbit/s

95th percentile per-packet one-way delay: 95.983 ms

Loss rate: 0.36%

-- Flow 2:

Average throughput: 23.62 Mbit/s

95th percentile per-packet one-way delay: 94.317 ms

Loss rate: 0.92%

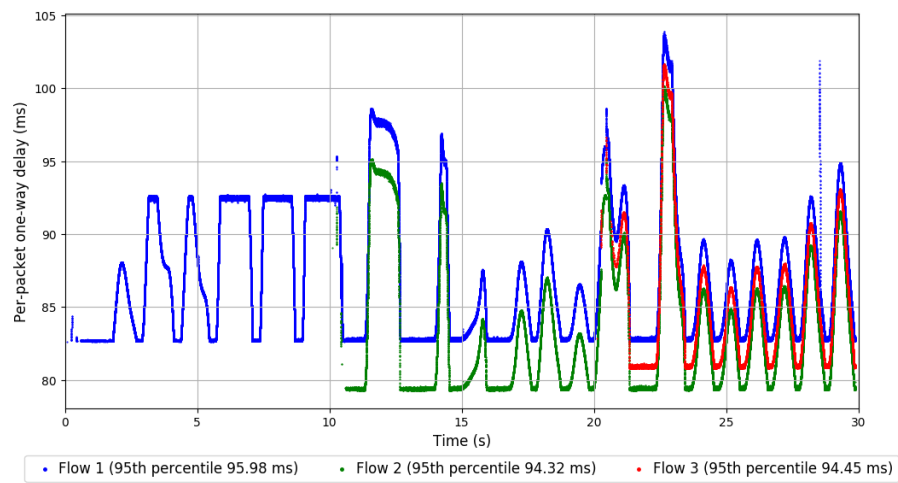
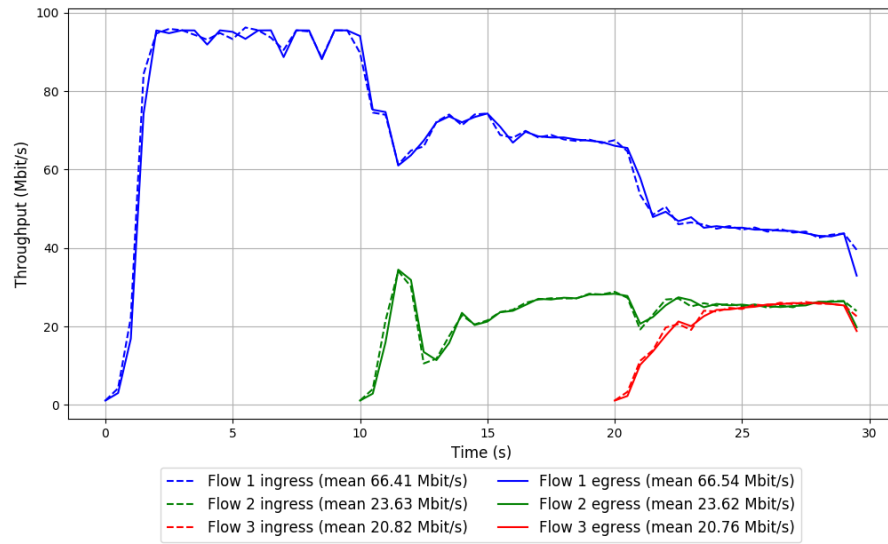
-- Flow 3:

Average throughput: 20.76 Mbit/s

95th percentile per-packet one-way delay: 94.453 ms

Loss rate: 1.97%

### Run 9: Report of Copa — Data Link

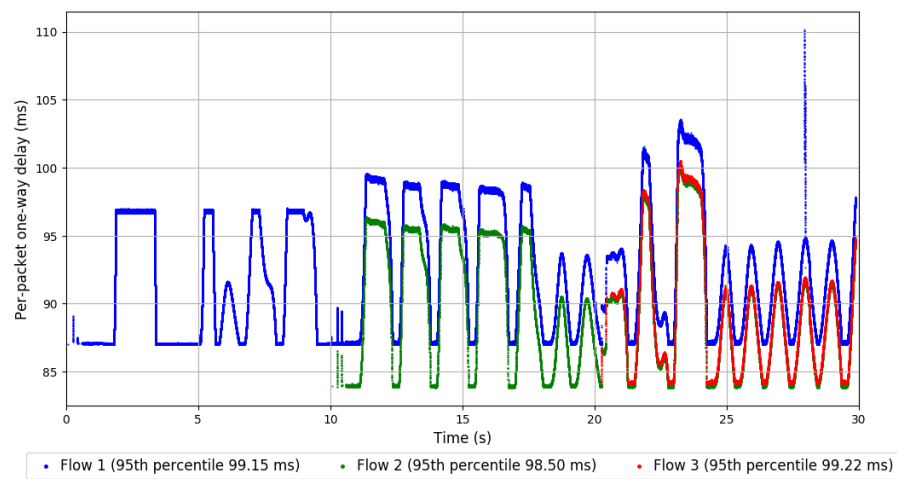
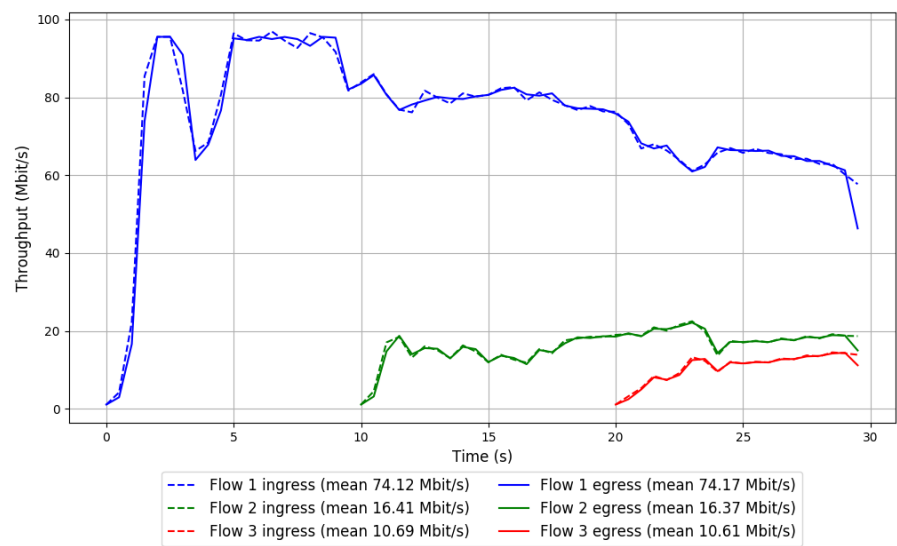


Run 10: Statistics of Copa

Start at: 2018-02-20 13:28:32  
End at: 2018-02-20 13:29:02  
Local clock offset: -12.29 ms  
Remote clock offset: -3.999 ms

# Below is generated by plot.py at 2018-02-20 17:56:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 88.52 Mbit/s  
95th percentile per-packet one-way delay: 99.090 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 74.17 Mbit/s  
95th percentile per-packet one-way delay: 99.146 ms  
Loss rate: 0.49%  
-- Flow 2:  
Average throughput: 16.37 Mbit/s  
95th percentile per-packet one-way delay: 98.502 ms  
Loss rate: 1.07%  
-- Flow 3:  
Average throughput: 10.61 Mbit/s  
95th percentile per-packet one-way delay: 99.225 ms  
Loss rate: 2.44%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-02-20 10:01:54

End at: 2018-02-20 10:02:24

Local clock offset: -14.576 ms

Remote clock offset: -4.133 ms



Run 1: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of FillP

Start at: 2018-02-20 10:25:36

End at: 2018-02-20 10:26:06

Local clock offset: -14.417 ms

Remote clock offset: -3.678 ms

Run 2: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of FillP

Start at: 2018-02-20 10:49:06

End at: 2018-02-20 10:49:36

Local clock offset: -14.562 ms

Remote clock offset: 2.125 ms

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

Figure is missing

Figure is missing

Run 4: Statistics of FillP

Start at: 2018-02-20 11:12:35

End at: 2018-02-20 11:13:05

Local clock offset: -14.101 ms

Remote clock offset: -4.34 ms

Run 4: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of FillP

Start at: 2018-02-20 11:36:04

End at: 2018-02-20 11:36:34

Local clock offset: -14.23 ms

Remote clock offset: -3.611 ms



Run 5: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of FillP

Start at: 2018-02-20 11:59:37

End at: 2018-02-20 12:00:07

Local clock offset: -14.83 ms

Remote clock offset: 1.525 ms

Run 6: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of FillP

Start at: 2018-02-20 12:23:10

End at: 2018-02-20 12:23:40

Local clock offset: -11.42 ms

Remote clock offset: 0.849 ms

Run 7: Report of FillP — Data Link

Figure is missing

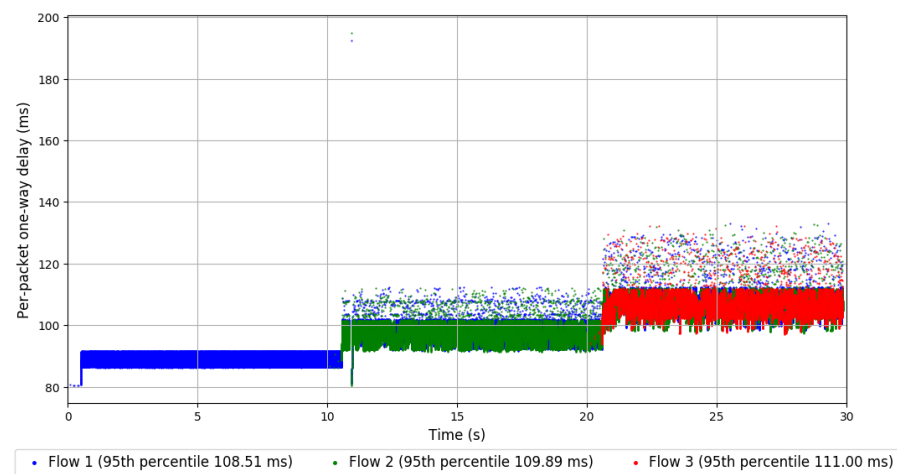
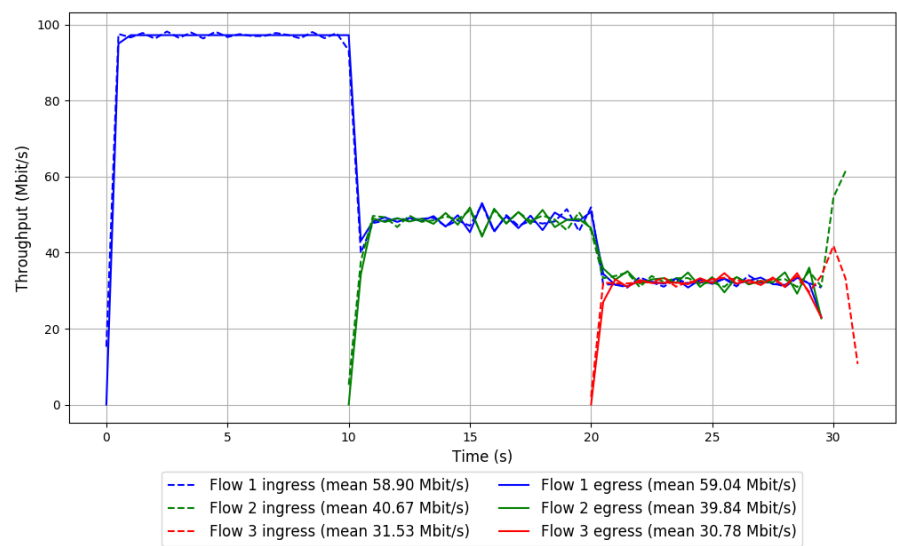
Figure is missing

Run 8: Statistics of FillP

Start at: 2018-02-20 12:46:49  
End at: 2018-02-20 12:47:19  
Local clock offset: -13.321 ms  
Remote clock offset: 1.451 ms

# Below is generated by plot.py at 2018-02-20 17:56:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 95.53 Mbit/s  
95th percentile per-packet one-way delay: 109.634 ms  
Loss rate: 4.19%  
-- Flow 1:  
Average throughput: 59.04 Mbit/s  
95th percentile per-packet one-way delay: 108.510 ms  
Loss rate: 0.41%  
-- Flow 2:  
Average throughput: 39.84 Mbit/s  
95th percentile per-packet one-way delay: 109.892 ms  
Loss rate: 7.69%  
-- Flow 3:  
Average throughput: 30.78 Mbit/s  
95th percentile per-packet one-way delay: 111.001 ms  
Loss rate: 14.74%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-02-20 13:10:24

End at: 2018-02-20 13:10:54

Local clock offset: -16.073 ms

Remote clock offset: -3.243 ms



Run 9: Report of FillP — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of FillP

Start at: 2018-02-20 13:33:58

End at: 2018-02-20 13:34:28

Local clock offset: -11.79 ms

Remote clock offset: -3.133 ms

Run 10: Report of FillP — Data Link

Figure is missing

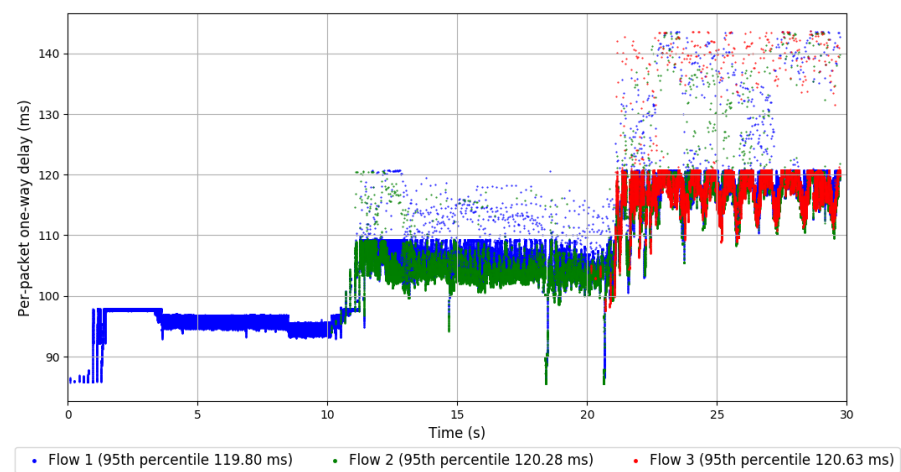
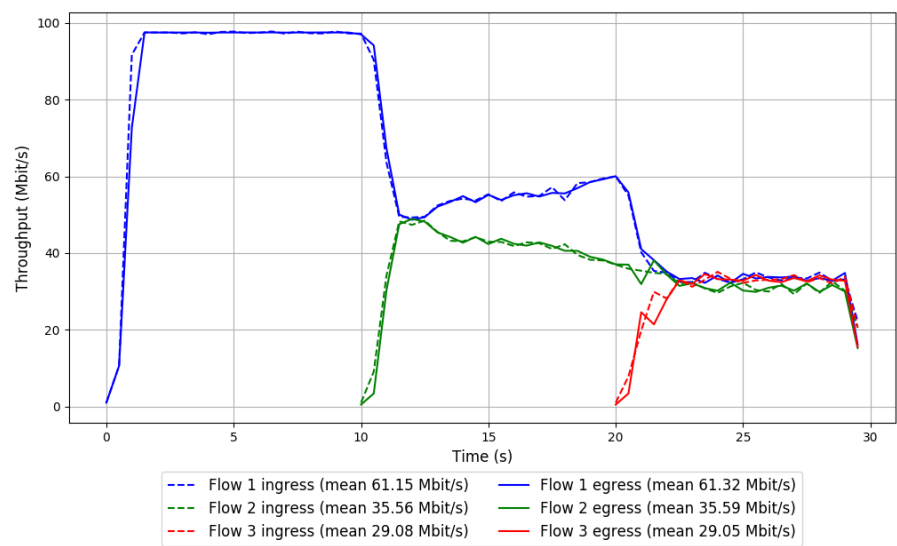
Figure is missing

Run 1: Statistics of Indigo-1-32

Start at: 2018-02-20 09:53:56  
End at: 2018-02-20 09:54:26  
Local clock offset: -15.213 ms  
Remote clock offset: -4.349 ms

# Below is generated by plot.py at 2018-02-20 17:56:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.24 Mbit/s  
95th percentile per-packet one-way delay: 120.358 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 61.32 Mbit/s  
95th percentile per-packet one-way delay: 119.796 ms  
Loss rate: 0.36%  
-- Flow 2:  
Average throughput: 35.59 Mbit/s  
95th percentile per-packet one-way delay: 120.285 ms  
Loss rate: 0.94%  
-- Flow 3:  
Average throughput: 29.05 Mbit/s  
95th percentile per-packet one-way delay: 120.628 ms  
Loss rate: 2.25%

Run 1: Report of Indigo-1-32 — Data Link

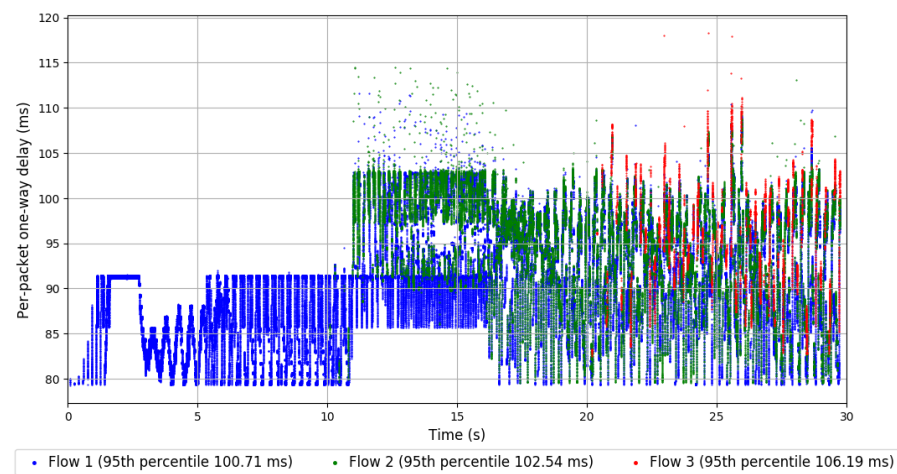
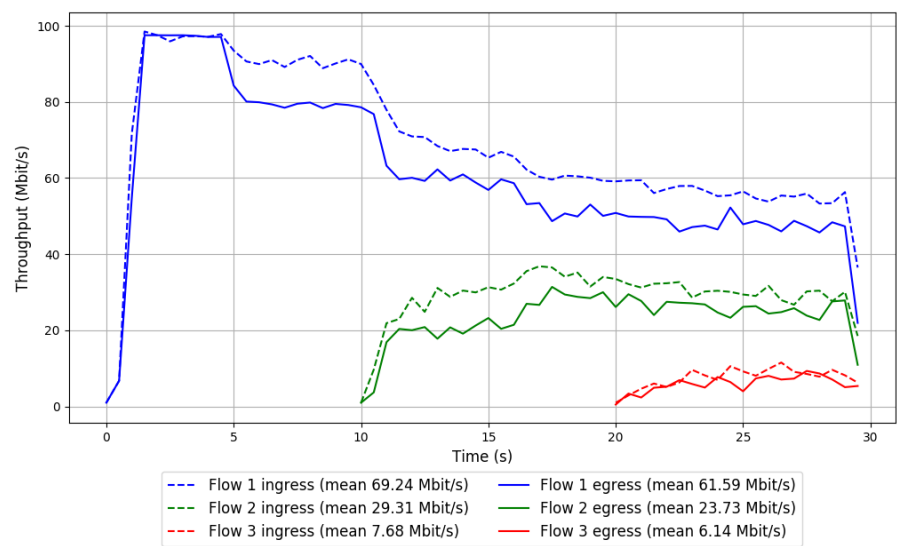


Run 2: Statistics of Indigo-1-32

Start at: 2018-02-20 10:17:28  
End at: 2018-02-20 10:17:58  
Local clock offset: -14.276 ms  
Remote clock offset: 0.41 ms

# Below is generated by plot.py at 2018-02-20 17:56:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.27 Mbit/s  
95th percentile per-packet one-way delay: 101.675 ms  
Loss rate: 13.57%  
-- Flow 1:  
Average throughput: 61.59 Mbit/s  
95th percentile per-packet one-way delay: 100.710 ms  
Loss rate: 11.54%  
-- Flow 2:  
Average throughput: 23.73 Mbit/s  
95th percentile per-packet one-way delay: 102.540 ms  
Loss rate: 19.75%  
-- Flow 3:  
Average throughput: 6.14 Mbit/s  
95th percentile per-packet one-way delay: 106.191 ms  
Loss rate: 21.46%

Run 2: Report of Indigo-1-32 — Data Link



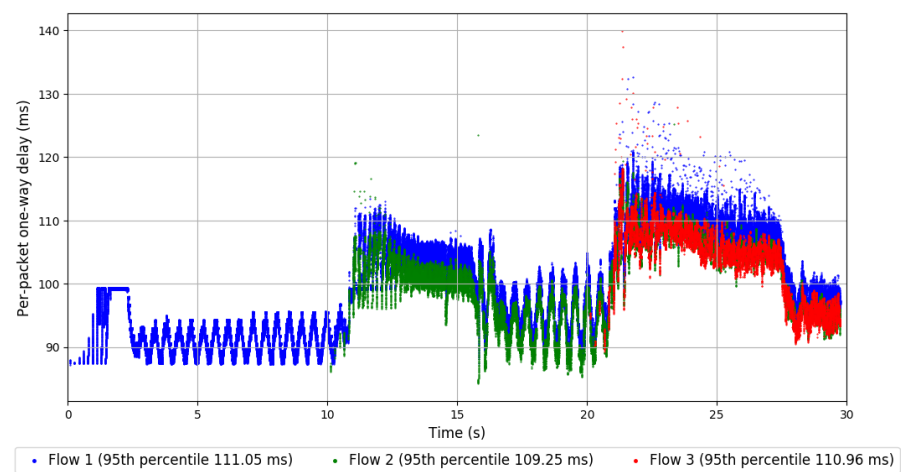
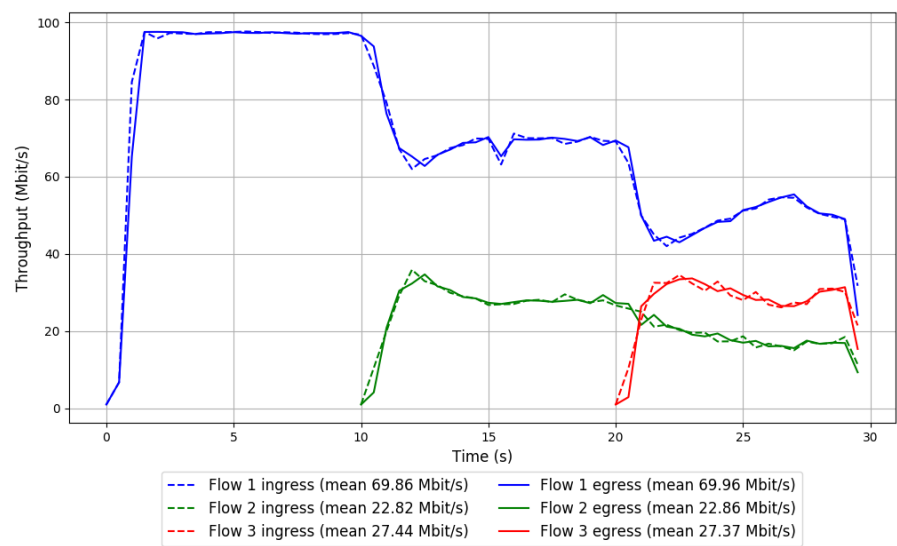
Run 3: Statistics of Indigo-1-32

Start at: 2018-02-20 10:41:07  
End at: 2018-02-20 10:41:37  
Local clock offset: -14.559 ms  
Remote clock offset: -4.393 ms

# Below is generated by plot.py at 2018-02-20 17:56:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.96 Mbit/s  
95th percentile per-packet one-way delay: 110.786 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 69.96 Mbit/s  
95th percentile per-packet one-way delay: 111.046 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 22.86 Mbit/s  
95th percentile per-packet one-way delay: 109.249 ms  
Loss rate: 0.69%  
-- Flow 3:  
Average throughput: 27.37 Mbit/s  
95th percentile per-packet one-way delay: 110.962 ms  
Loss rate: 2.05%



Run 3: Report of Indigo-1-32 — Data Link

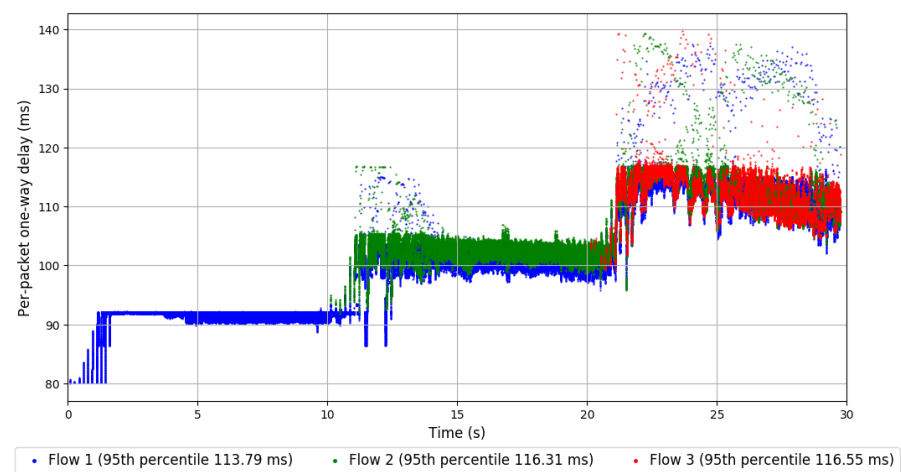
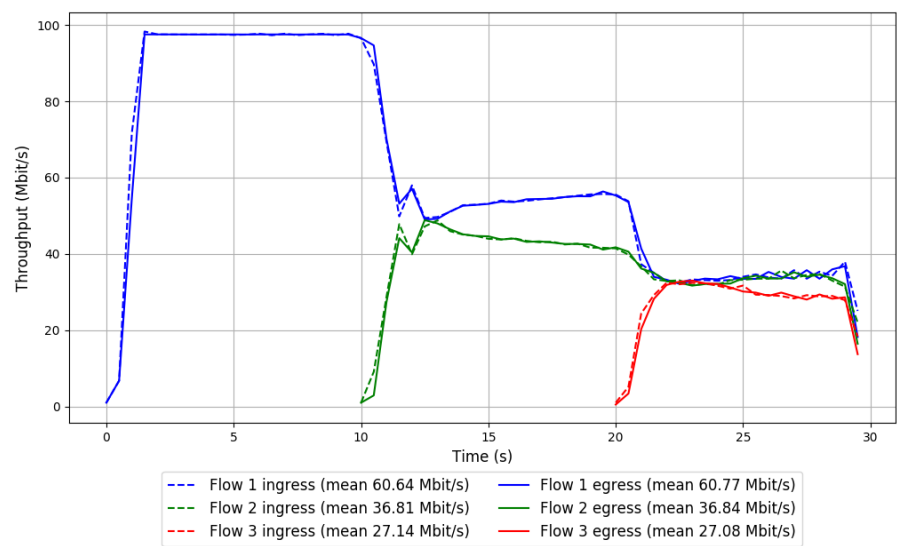


Run 4: Statistics of Indigo-1-32

Start at: 2018-02-20 11:04:37  
End at: 2018-02-20 11:05:07  
Local clock offset: -14.223 ms  
Remote clock offset: 1.174 ms

# Below is generated by plot.py at 2018-02-20 17:56:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.89 Mbit/s  
95th percentile per-packet one-way delay: 115.012 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 60.77 Mbit/s  
95th percentile per-packet one-way delay: 113.793 ms  
Loss rate: 0.41%  
-- Flow 2:  
Average throughput: 36.84 Mbit/s  
95th percentile per-packet one-way delay: 116.312 ms  
Loss rate: 0.83%  
-- Flow 3:  
Average throughput: 27.08 Mbit/s  
95th percentile per-packet one-way delay: 116.552 ms  
Loss rate: 2.05%

Run 4: Report of Indigo-1-32 — Data Link

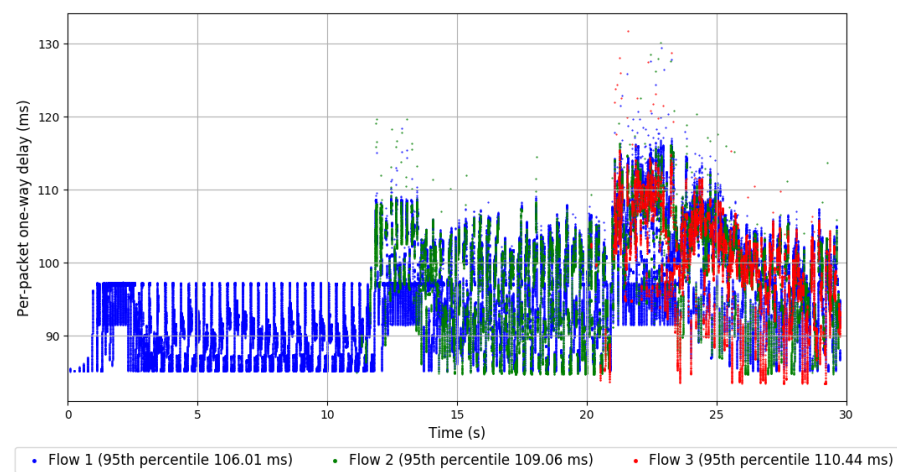
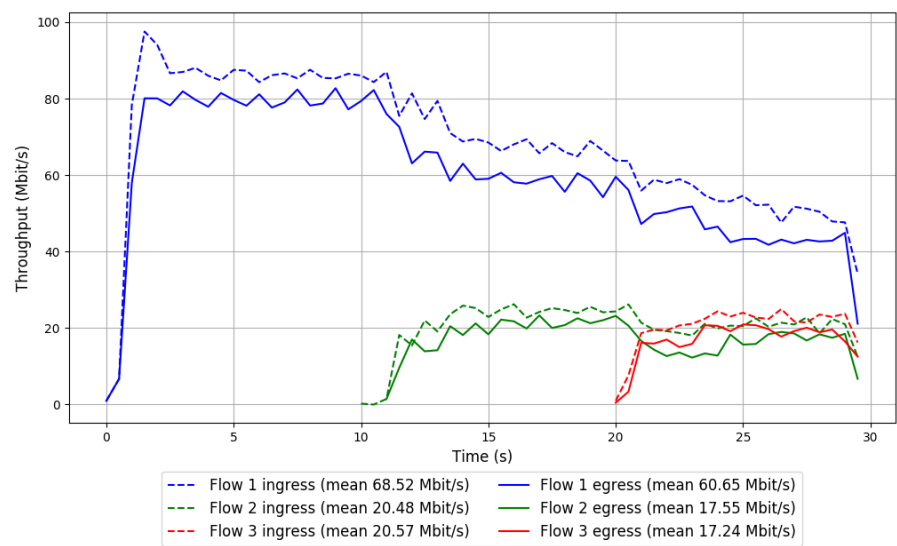


Run 5: Statistics of Indigo-1-32

Start at: 2018-02-20 11:28:04  
End at: 2018-02-20 11:28:34  
Local clock offset: -13.844 ms  
Remote clock offset: -3.608 ms

# Below is generated by plot.py at 2018-02-20 17:56:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.19 Mbit/s  
95th percentile per-packet one-way delay: 107.372 ms  
Loss rate: 13.58%  
-- Flow 1:  
Average throughput: 60.65 Mbit/s  
95th percentile per-packet one-way delay: 106.011 ms  
Loss rate: 12.02%  
-- Flow 2:  
Average throughput: 17.55 Mbit/s  
95th percentile per-packet one-way delay: 109.058 ms  
Loss rate: 19.37%  
-- Flow 3:  
Average throughput: 17.24 Mbit/s  
95th percentile per-packet one-way delay: 110.436 ms  
Loss rate: 17.77%

Run 5: Report of Indigo-1-32 — Data Link

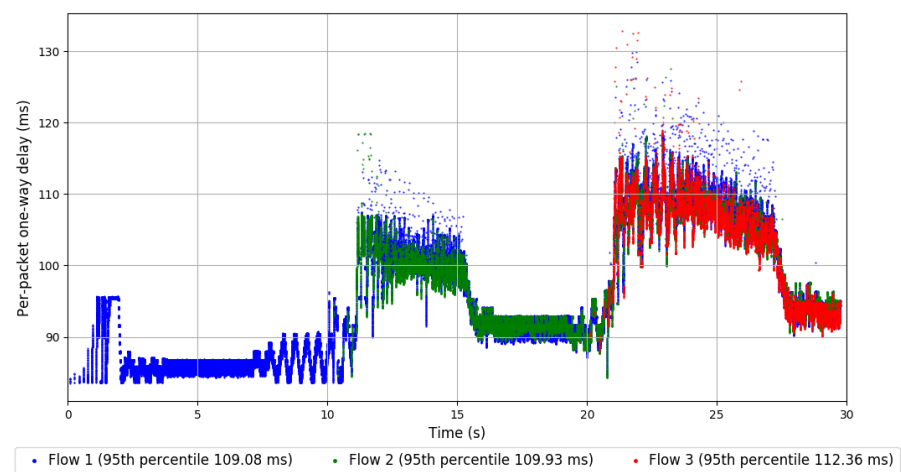
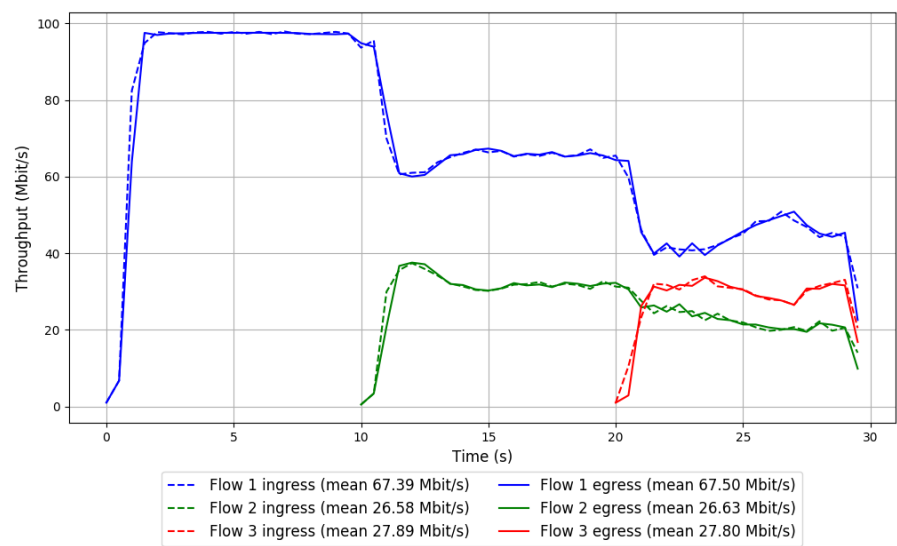


Run 6: Statistics of Indigo-1-32

Start at: 2018-02-20 11:51:37  
End at: 2018-02-20 11:52:07  
Local clock offset: -14.67 ms  
Remote clock offset: -3.535 ms

# Below is generated by plot.py at 2018-02-20 17:57:32  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.00 Mbit/s  
95th percentile per-packet one-way delay: 109.905 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 67.50 Mbit/s  
95th percentile per-packet one-way delay: 109.079 ms  
Loss rate: 0.39%  
-- Flow 2:  
Average throughput: 26.63 Mbit/s  
95th percentile per-packet one-way delay: 109.934 ms  
Loss rate: 0.72%  
-- Flow 3:  
Average throughput: 27.80 Mbit/s  
95th percentile per-packet one-way delay: 112.362 ms  
Loss rate: 2.07%

Run 6: Report of Indigo-1-32 — Data Link



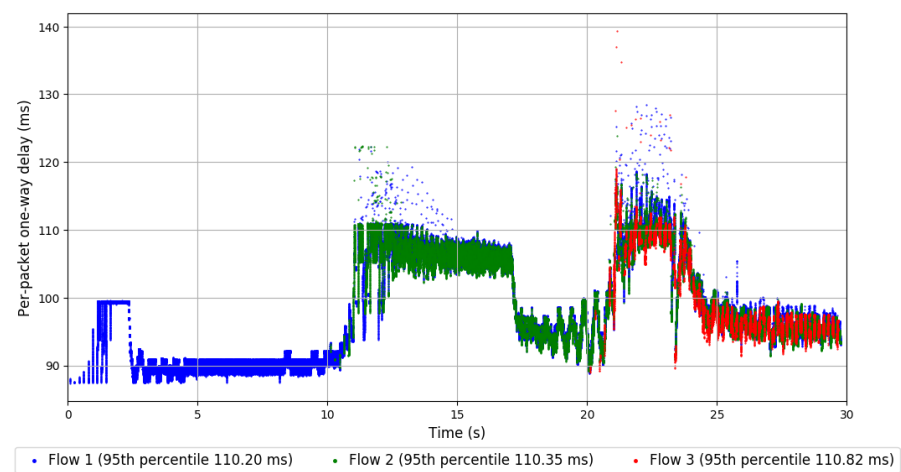
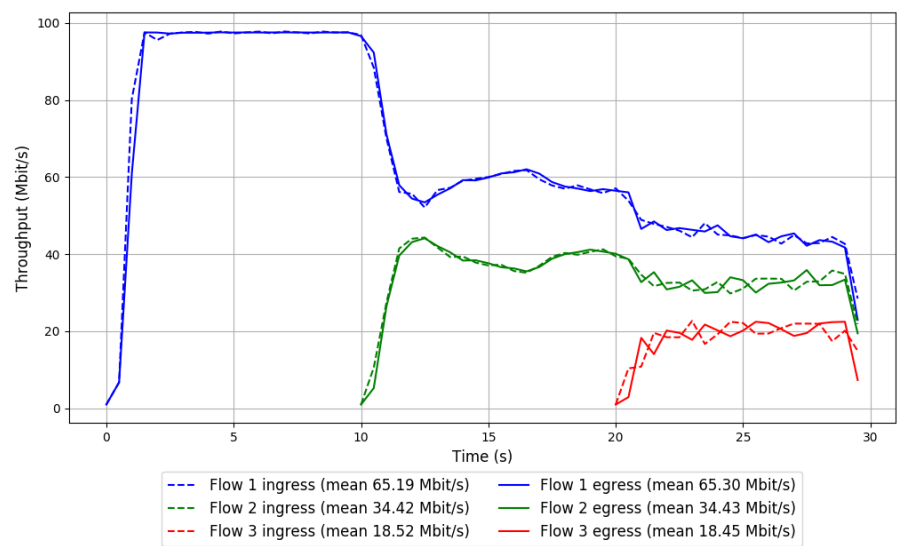
Run 7: Statistics of Indigo-1-32

Start at: 2018-02-20 12:15:11  
End at: 2018-02-20 12:15:41  
Local clock offset: -12.341 ms  
Remote clock offset: -4.067 ms

# Below is generated by plot.py at 2018-02-20 17:57:41  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.03 Mbit/s  
95th percentile per-packet one-way delay: 110.303 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 65.30 Mbit/s  
95th percentile per-packet one-way delay: 110.201 ms  
Loss rate: 0.39%  
-- Flow 2:  
Average throughput: 34.43 Mbit/s  
95th percentile per-packet one-way delay: 110.349 ms  
Loss rate: 0.86%  
-- Flow 3:  
Average throughput: 18.45 Mbit/s  
95th percentile per-packet one-way delay: 110.822 ms  
Loss rate: 2.10%



Run 7: Report of Indigo-1-32 — Data Link

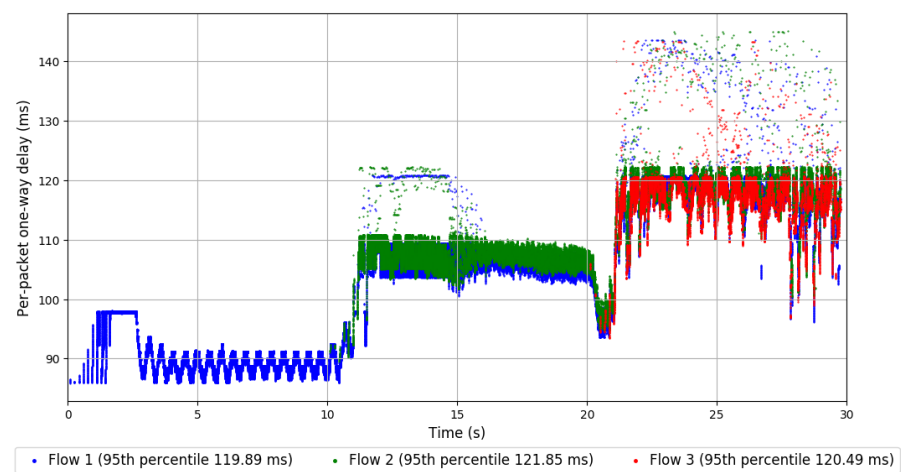
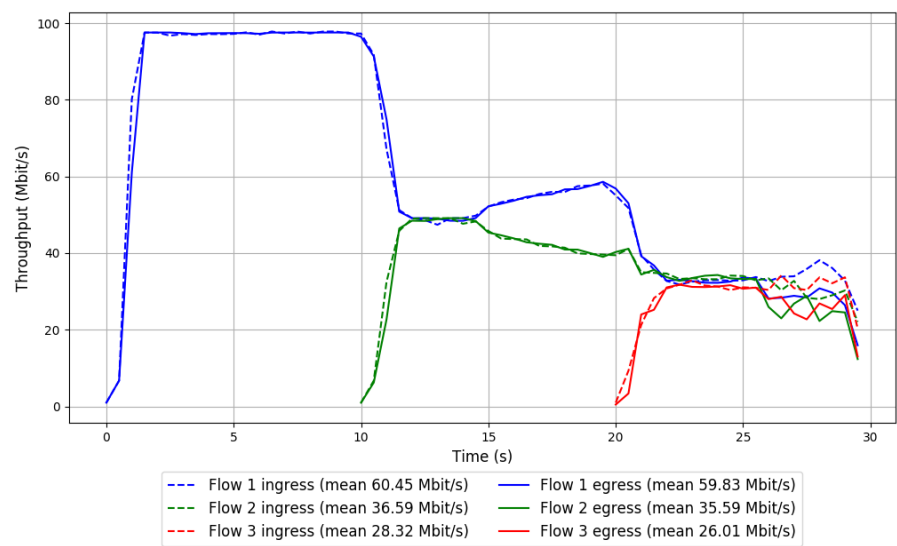


Run 8: Statistics of Indigo-1-32

Start at: 2018-02-20 12:38:48  
End at: 2018-02-20 12:39:18  
Local clock offset: -10.373 ms  
Remote clock offset: -4.151 ms

# Below is generated by plot.py at 2018-02-20 17:57:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 91.83 Mbit/s  
95th percentile per-packet one-way delay: 120.532 ms  
Loss rate: 3.00%  
-- Flow 1:  
Average throughput: 59.83 Mbit/s  
95th percentile per-packet one-way delay: 119.887 ms  
Loss rate: 1.65%  
-- Flow 2:  
Average throughput: 35.59 Mbit/s  
95th percentile per-packet one-way delay: 121.853 ms  
Loss rate: 3.69%  
-- Flow 3:  
Average throughput: 26.01 Mbit/s  
95th percentile per-packet one-way delay: 120.491 ms  
Loss rate: 9.94%

Run 8: Report of Indigo-1-32 — Data Link

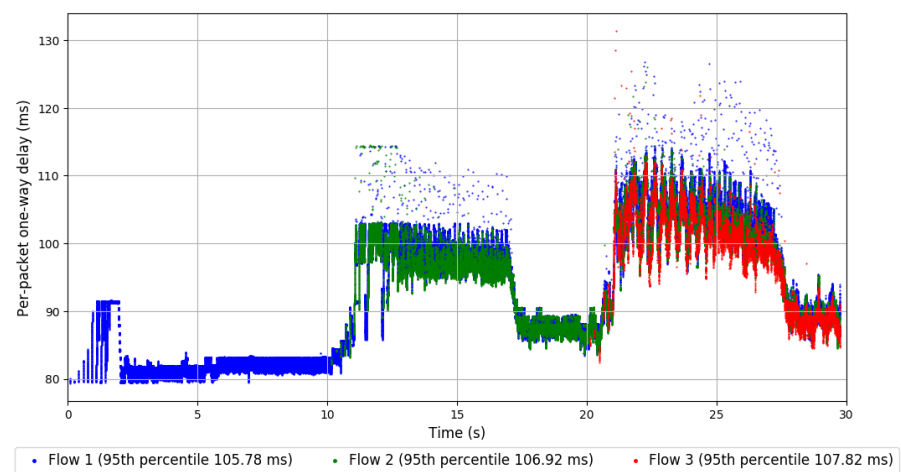
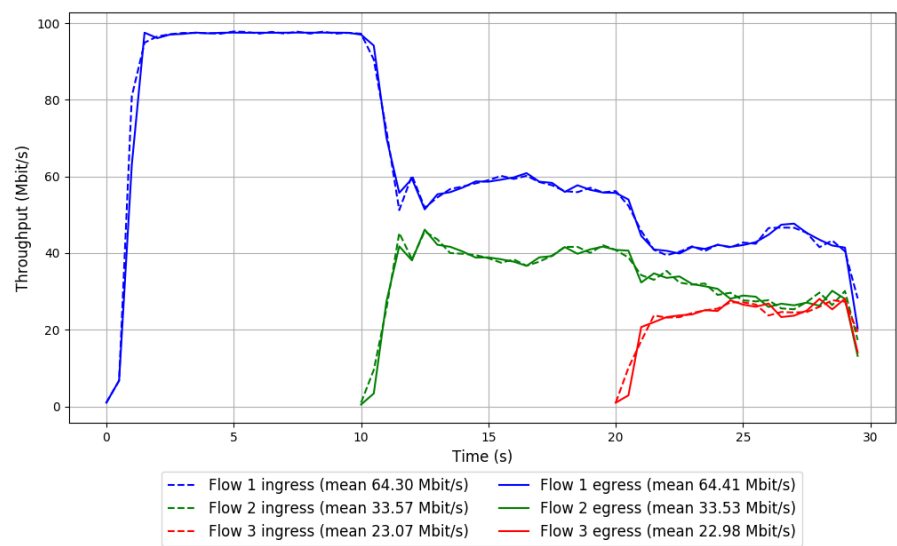


Run 9: Statistics of Indigo-1-32

Start at: 2018-02-20 13:02:24  
End at: 2018-02-20 13:02:54  
Local clock offset: -15.648 ms  
Remote clock offset: 2.297 ms

# Below is generated by plot.py at 2018-02-20 17:57:45  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 94.00 Mbit/s  
95th percentile per-packet one-way delay: 106.377 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 64.41 Mbit/s  
95th percentile per-packet one-way delay: 105.776 ms  
Loss rate: 0.38%  
-- Flow 2:  
Average throughput: 33.53 Mbit/s  
95th percentile per-packet one-way delay: 106.920 ms  
Loss rate: 0.76%  
-- Flow 3:  
Average throughput: 22.98 Mbit/s  
95th percentile per-packet one-way delay: 107.818 ms  
Loss rate: 2.18%

Run 9: Report of Indigo-1-32 — Data Link

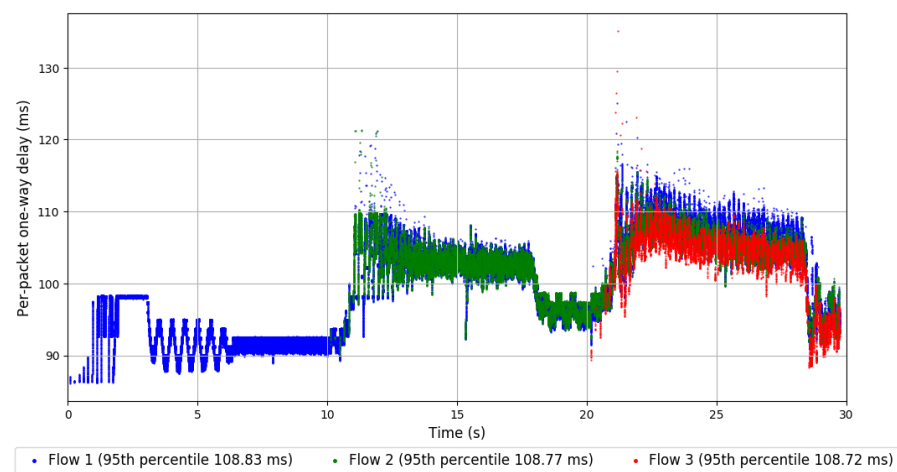
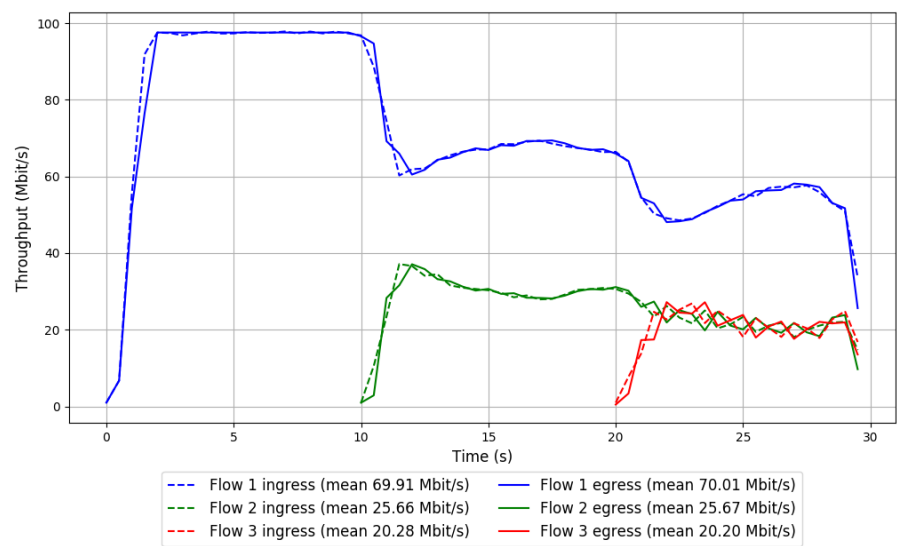


Run 10: Statistics of Indigo-1-32

Start at: 2018-02-20 13:25:58  
End at: 2018-02-20 13:26:28  
Local clock offset: -12.594 ms  
Remote clock offset: -3.186 ms

# Below is generated by plot.py at 2018-02-20 17:57:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 93.52 Mbit/s  
95th percentile per-packet one-way delay: 108.810 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 70.01 Mbit/s  
95th percentile per-packet one-way delay: 108.827 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 25.67 Mbit/s  
95th percentile per-packet one-way delay: 108.770 ms  
Loss rate: 0.81%  
-- Flow 3:  
Average throughput: 20.20 Mbit/s  
95th percentile per-packet one-way delay: 108.721 ms  
Loss rate: 2.16%

Run 10: Report of Indigo-1-32 — Data Link



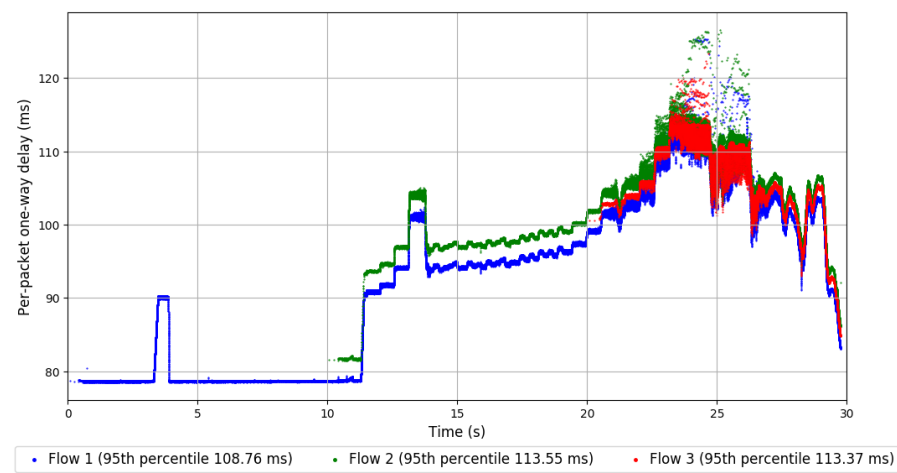
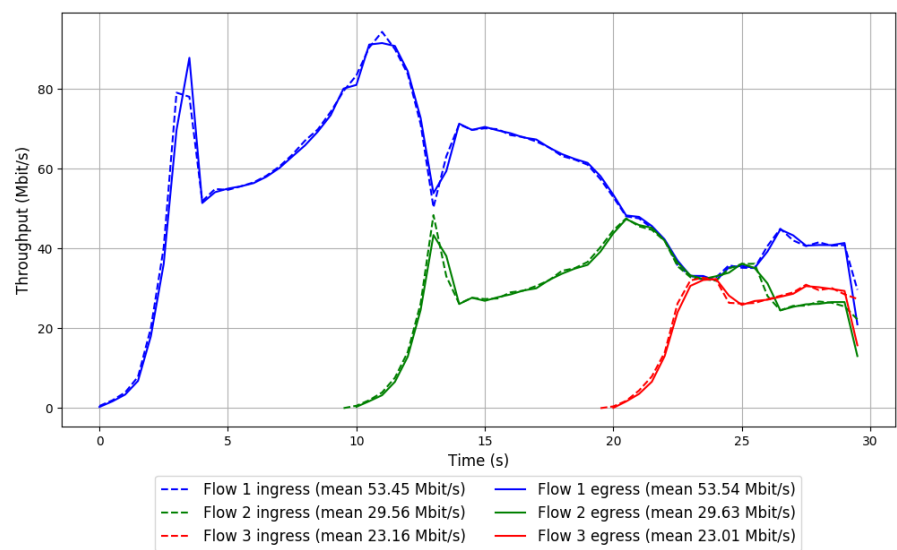
Run 1: Statistics of Vivace-latency

Start at: 2018-02-20 10:00:34  
End at: 2018-02-20 10:01:04  
Local clock offset: -14.618 ms  
Remote clock offset: 1.538 ms

# Below is generated by plot.py at 2018-02-20 17:57:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.68 Mbit/s  
95th percentile per-packet one-way delay: 111.670 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 53.54 Mbit/s  
95th percentile per-packet one-way delay: 108.759 ms  
Loss rate: 0.51%  
-- Flow 2:  
Average throughput: 29.63 Mbit/s  
95th percentile per-packet one-way delay: 113.550 ms  
Loss rate: 1.17%  
-- Flow 3:  
Average throughput: 23.01 Mbit/s  
95th percentile per-packet one-way delay: 113.366 ms  
Loss rate: 3.65%



Run 1: Report of Vivace-latency — Data Link

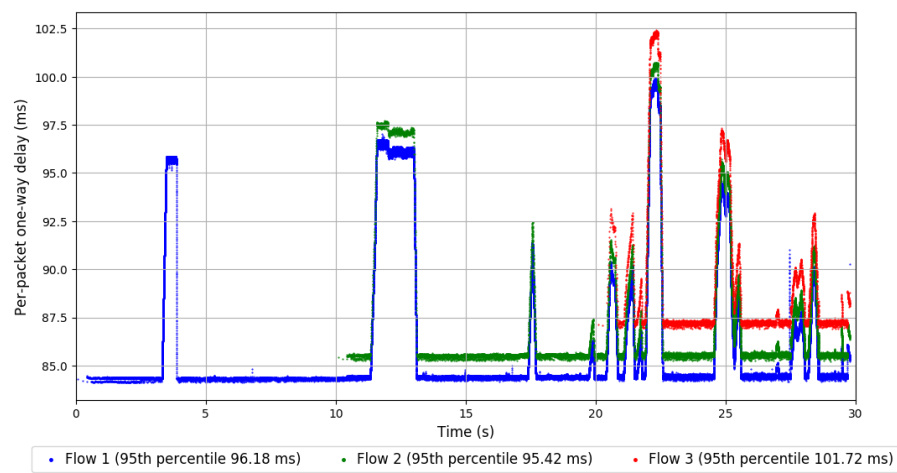
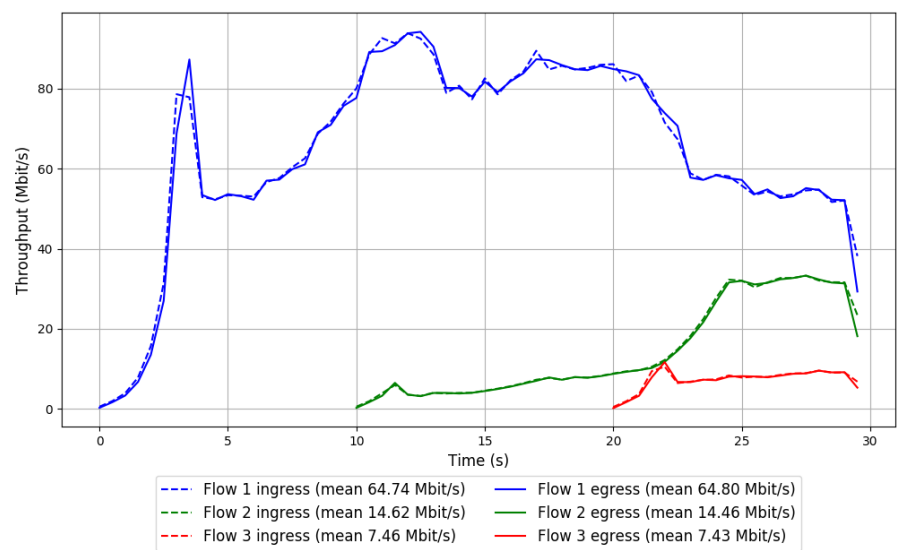


Run 2: Statistics of Vivace-latency

Start at: 2018-02-20 10:24:16  
End at: 2018-02-20 10:24:46  
Local clock offset: -14.314 ms  
Remote clock offset: -4.431 ms

# Below is generated by plot.py at 2018-02-20 17:58:10  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.81 Mbit/s  
95th percentile per-packet one-way delay: 96.189 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 64.80 Mbit/s  
95th percentile per-packet one-way delay: 96.180 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 14.46 Mbit/s  
95th percentile per-packet one-way delay: 95.422 ms  
Loss rate: 1.88%  
-- Flow 3:  
Average throughput: 7.43 Mbit/s  
95th percentile per-packet one-way delay: 101.721 ms  
Loss rate: 2.10%

Run 2: Report of Vivace-latency — Data Link

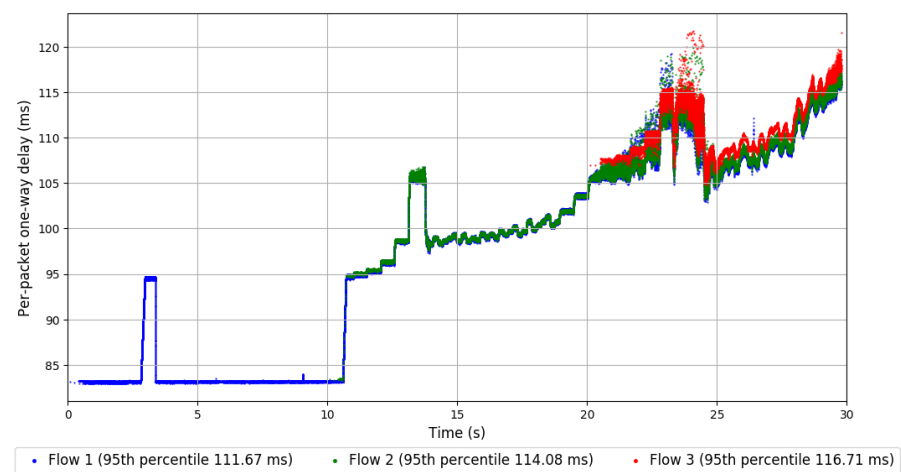
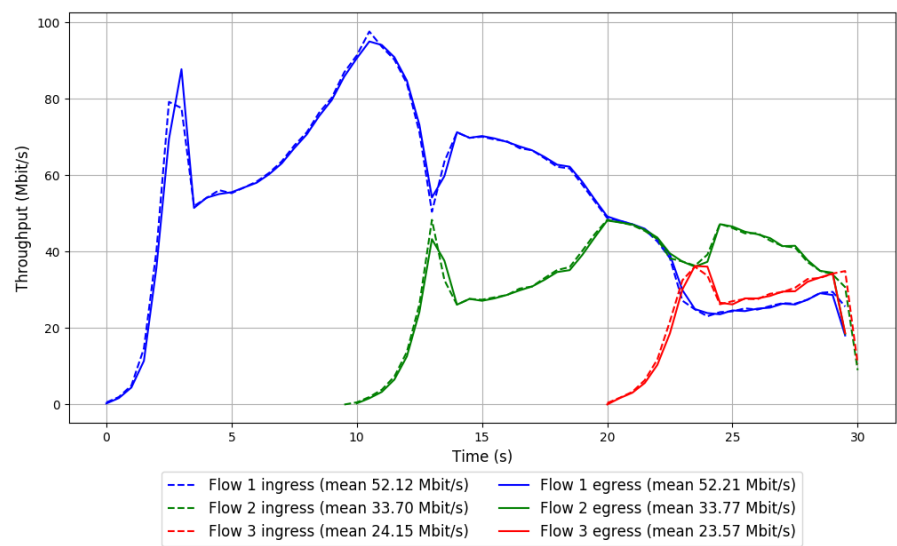


Run 3: Statistics of Vivace-latency

Start at: 2018-02-20 10:47:46  
End at: 2018-02-20 10:48:16  
Local clock offset: -14.63 ms  
Remote clock offset: -3.652 ms

# Below is generated by plot.py at 2018-02-20 17:58:14  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 82.29 Mbit/s  
95th percentile per-packet one-way delay: 114.160 ms  
Loss rate: 1.58%  
-- Flow 1:  
Average throughput: 52.21 Mbit/s  
95th percentile per-packet one-way delay: 111.672 ms  
Loss rate: 0.47%  
-- Flow 2:  
Average throughput: 33.77 Mbit/s  
95th percentile per-packet one-way delay: 114.083 ms  
Loss rate: 2.12%  
-- Flow 3:  
Average throughput: 23.57 Mbit/s  
95th percentile per-packet one-way delay: 116.710 ms  
Loss rate: 7.10%

Run 3: Report of Vivace-latency — Data Link

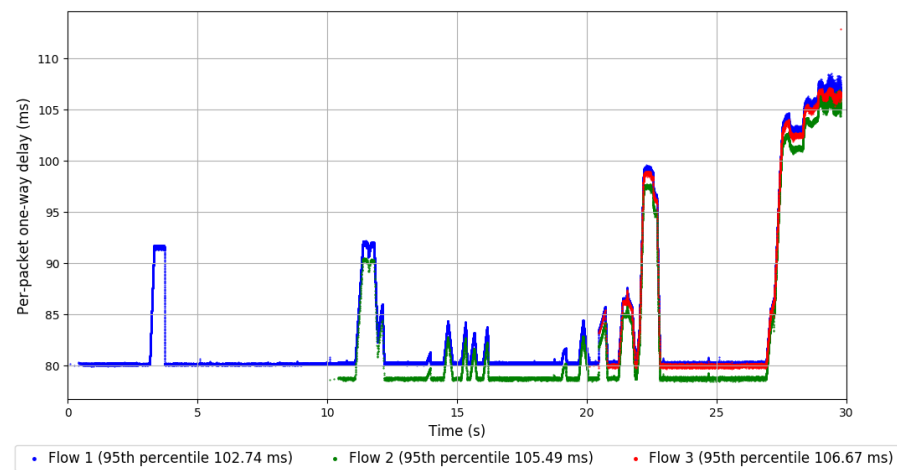
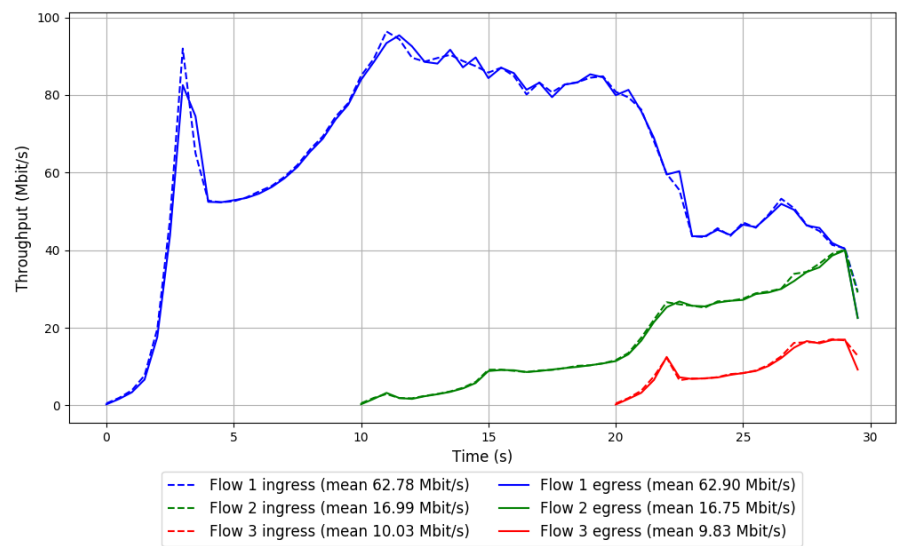


Run 4: Statistics of Vivace-latency

Start at: 2018-02-20 11:11:16  
End at: 2018-02-20 11:11:46  
Local clock offset: -14.031 ms  
Remote clock offset: 1.35 ms

# Below is generated by plot.py at 2018-02-20 17:58:47  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.20 Mbit/s  
95th percentile per-packet one-way delay: 104.829 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 62.90 Mbit/s  
95th percentile per-packet one-way delay: 102.743 ms  
Loss rate: 0.41%  
-- Flow 2:  
Average throughput: 16.75 Mbit/s  
95th percentile per-packet one-way delay: 105.486 ms  
Loss rate: 2.25%  
-- Flow 3:  
Average throughput: 9.83 Mbit/s  
95th percentile per-packet one-way delay: 106.675 ms  
Loss rate: 3.54%

Run 4: Report of Vivace-latency — Data Link



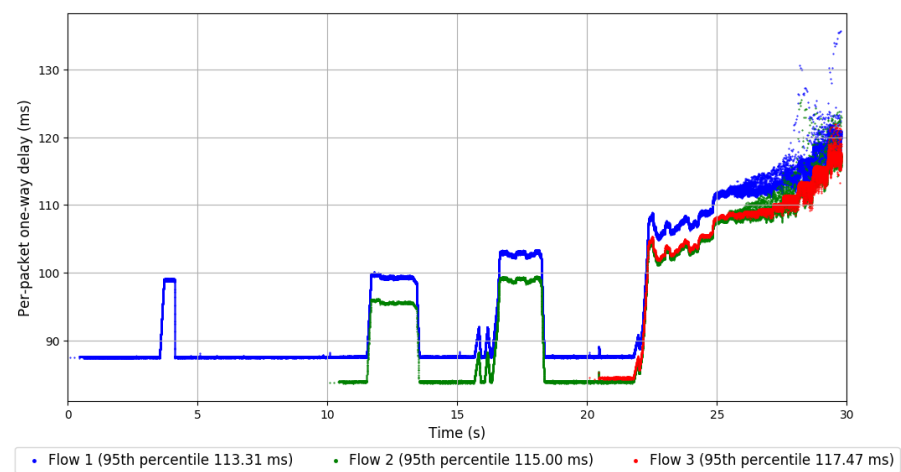
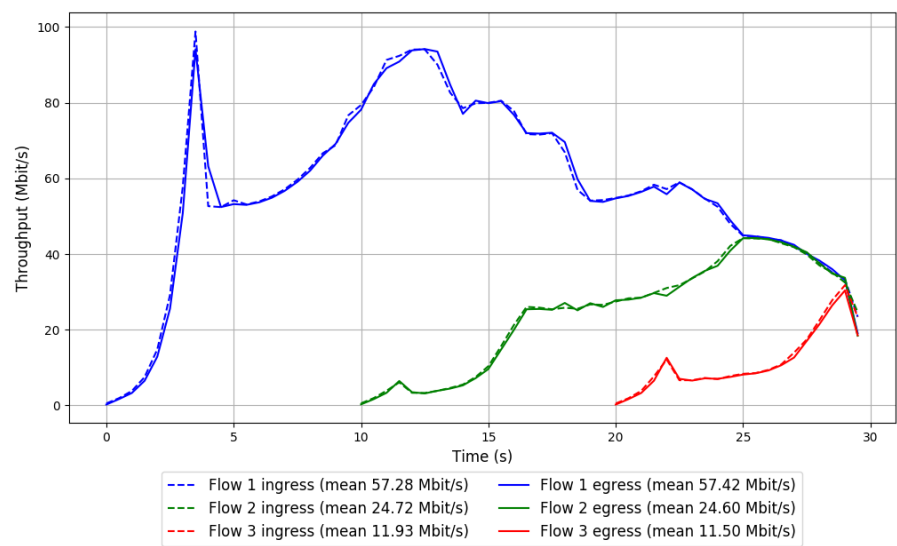
Run 5: Statistics of Vivace-latency

Start at: 2018-02-20 11:34:44  
End at: 2018-02-20 11:35:14  
Local clock offset: -14.058 ms  
Remote clock offset: -4.451 ms

# Below is generated by plot.py at 2018-02-20 17:58:56  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.47 Mbit/s  
95th percentile per-packet one-way delay: 114.656 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 57.42 Mbit/s  
95th percentile per-packet one-way delay: 113.312 ms  
Loss rate: 0.37%  
-- Flow 2:  
Average throughput: 24.60 Mbit/s  
95th percentile per-packet one-way delay: 114.999 ms  
Loss rate: 1.34%  
-- Flow 3:  
Average throughput: 11.50 Mbit/s  
95th percentile per-packet one-way delay: 117.466 ms  
Loss rate: 5.39%



Run 5: Report of Vivace-latency — Data Link

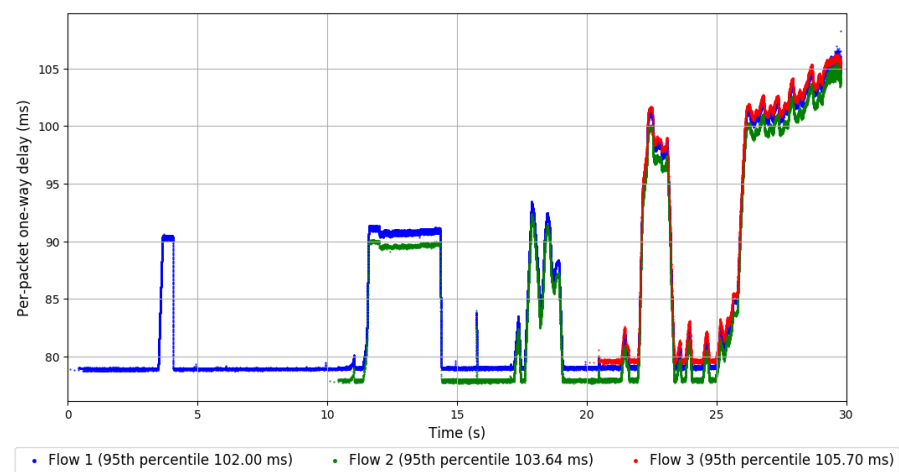
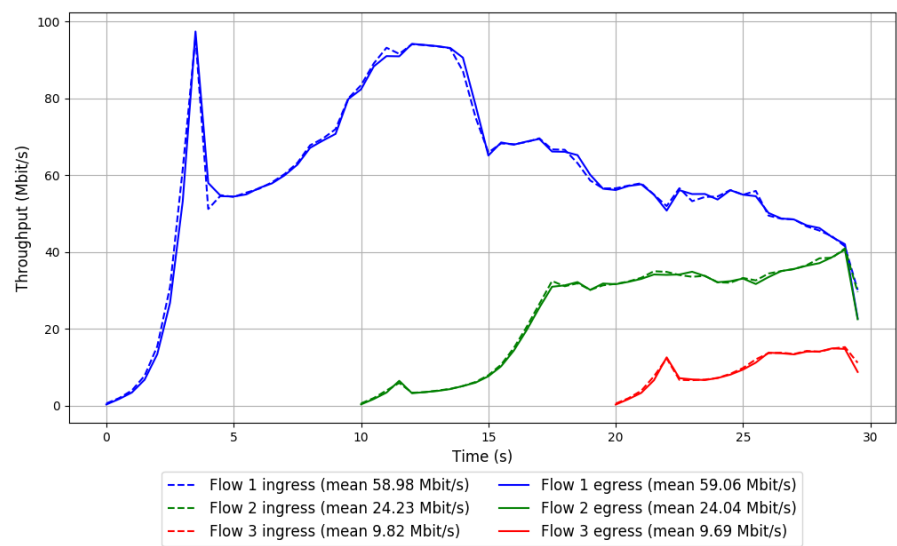


Run 6: Statistics of Vivace-latency

Start at: 2018-02-20 11:58:17  
End at: 2018-02-20 11:58:47  
Local clock offset: -14.794 ms  
Remote clock offset: 2.287 ms

# Below is generated by plot.py at 2018-02-20 17:58:57  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.16 Mbit/s  
95th percentile per-packet one-way delay: 103.054 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 59.06 Mbit/s  
95th percentile per-packet one-way delay: 102.005 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 24.04 Mbit/s  
95th percentile per-packet one-way delay: 103.644 ms  
Loss rate: 1.61%  
-- Flow 3:  
Average throughput: 9.69 Mbit/s  
95th percentile per-packet one-way delay: 105.702 ms  
Loss rate: 2.98%

Run 6: Report of Vivace-latency — Data Link

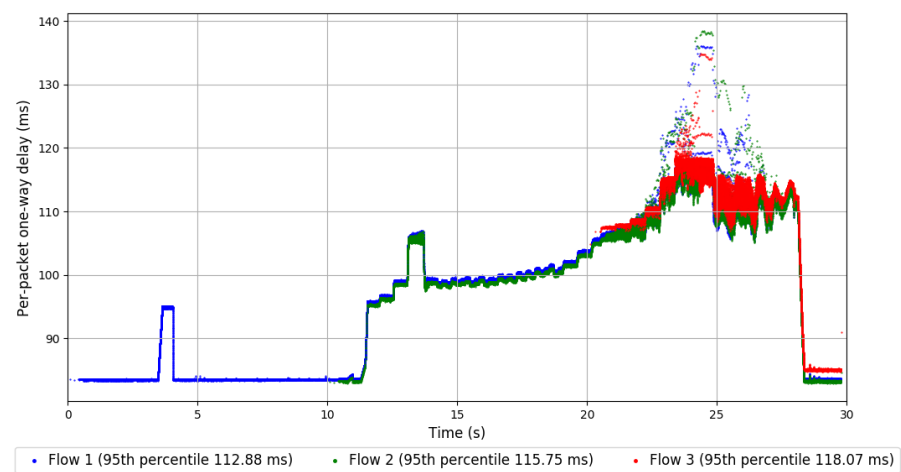
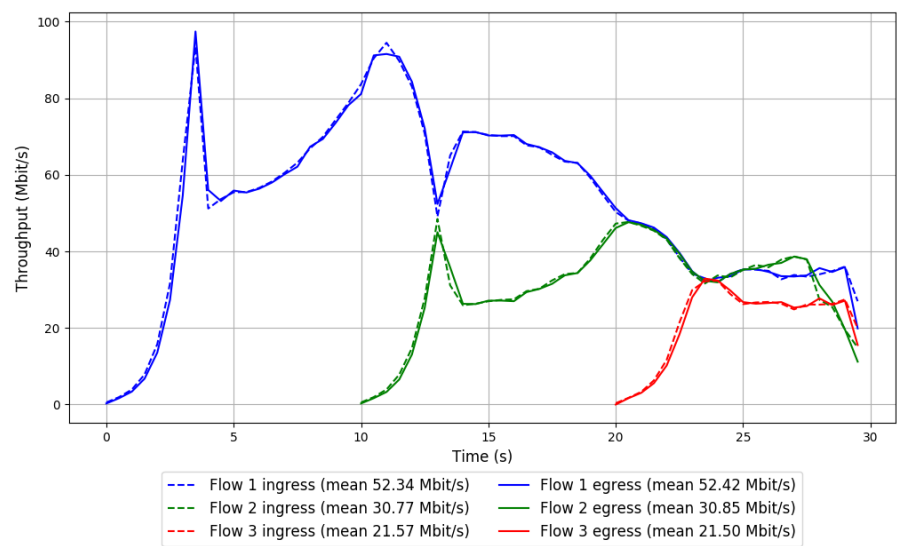


Run 7: Statistics of Vivace-latency

Start at: 2018-02-20 12:21:50  
End at: 2018-02-20 12:22:20  
Local clock offset: -11.439 ms  
Remote clock offset: -3.113 ms

# Below is generated by plot.py at 2018-02-20 17:59:00  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.86 Mbit/s  
95th percentile per-packet one-way delay: 115.304 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 52.42 Mbit/s  
95th percentile per-packet one-way delay: 112.877 ms  
Loss rate: 0.41%  
-- Flow 2:  
Average throughput: 30.85 Mbit/s  
95th percentile per-packet one-way delay: 115.755 ms  
Loss rate: 0.58%  
-- Flow 3:  
Average throughput: 21.50 Mbit/s  
95th percentile per-packet one-way delay: 118.073 ms  
Loss rate: 2.17%

Run 7: Report of Vivace-latency — Data Link

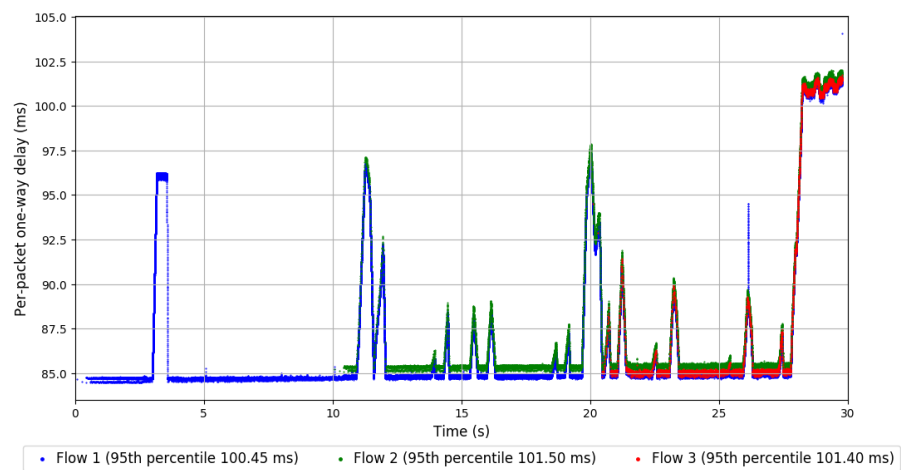
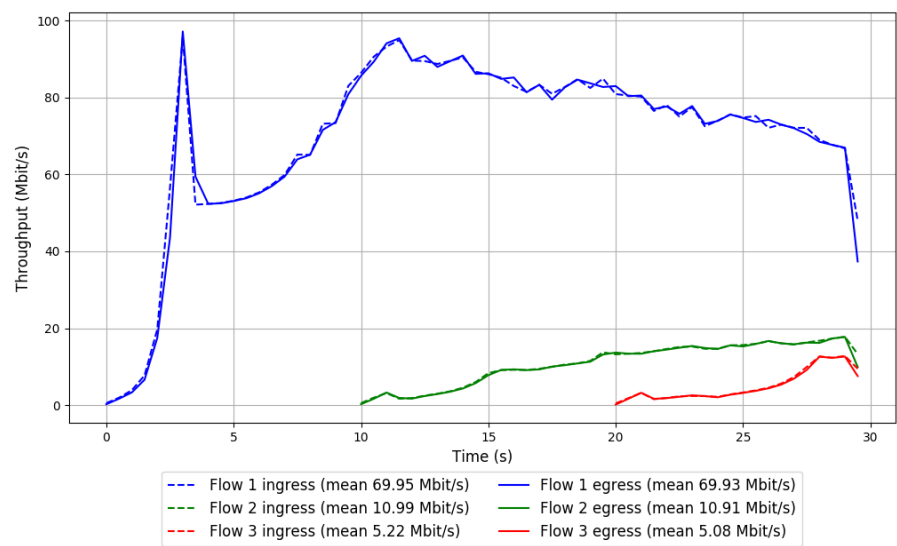


Run 8: Statistics of Vivace-latency

Start at: 2018-02-20 12:45:29  
End at: 2018-02-20 12:45:59  
Local clock offset: -12.996 ms  
Remote clock offset: -3.212 ms

# Below is generated by plot.py at 2018-02-20 17:59:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.82 Mbit/s  
95th percentile per-packet one-way delay: 100.835 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 69.93 Mbit/s  
95th percentile per-packet one-way delay: 100.453 ms  
Loss rate: 0.58%  
-- Flow 2:  
Average throughput: 10.91 Mbit/s  
95th percentile per-packet one-way delay: 101.498 ms  
Loss rate: 1.56%  
-- Flow 3:  
Average throughput: 5.08 Mbit/s  
95th percentile per-packet one-way delay: 101.397 ms  
Loss rate: 4.42%

Run 8: Report of Vivace-latency — Data Link



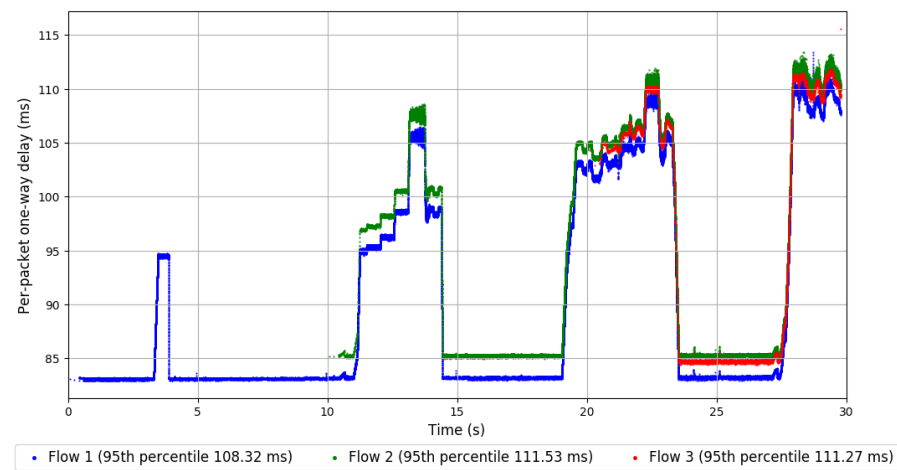
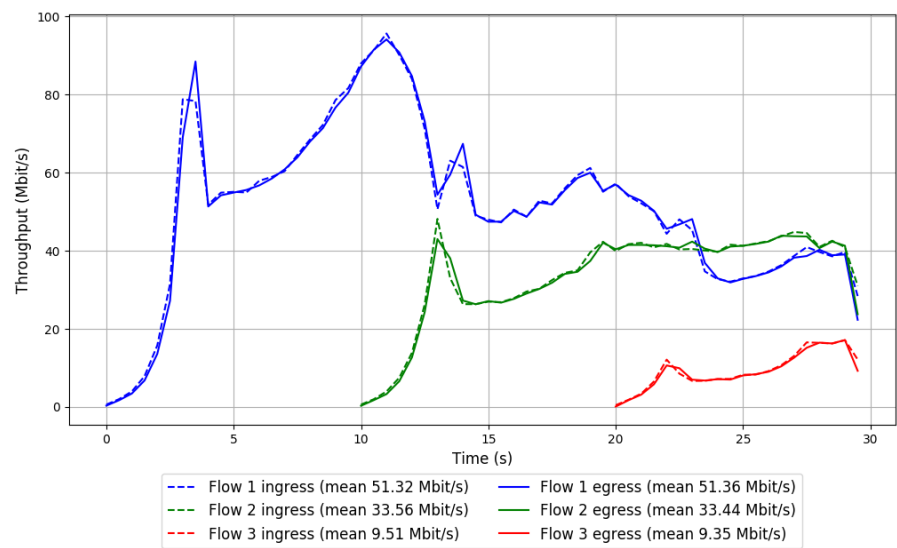
Run 9: Statistics of Vivace-latency

Start at: 2018-02-20 13:09:04  
End at: 2018-02-20 13:09:34  
Local clock offset: -16.003 ms  
Remote clock offset: -3.203 ms

# Below is generated by plot.py at 2018-02-20 17:59:01  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.57 Mbit/s  
95th percentile per-packet one-way delay: 110.173 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 51.36 Mbit/s  
95th percentile per-packet one-way delay: 108.324 ms  
Loss rate: 0.48%  
-- Flow 2:  
Average throughput: 33.44 Mbit/s  
95th percentile per-packet one-way delay: 111.530 ms  
Loss rate: 1.24%  
-- Flow 3:  
Average throughput: 9.35 Mbit/s  
95th percentile per-packet one-way delay: 111.272 ms  
Loss rate: 3.45%



Run 9: Report of Vivace-latency — Data Link

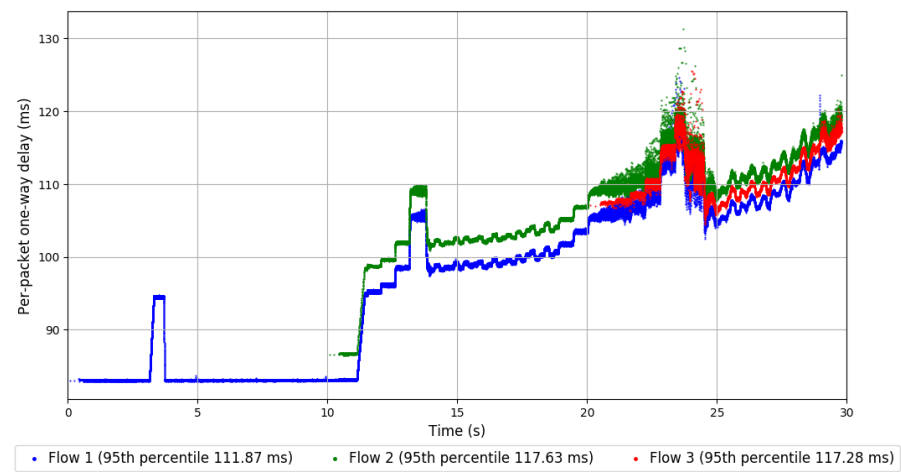
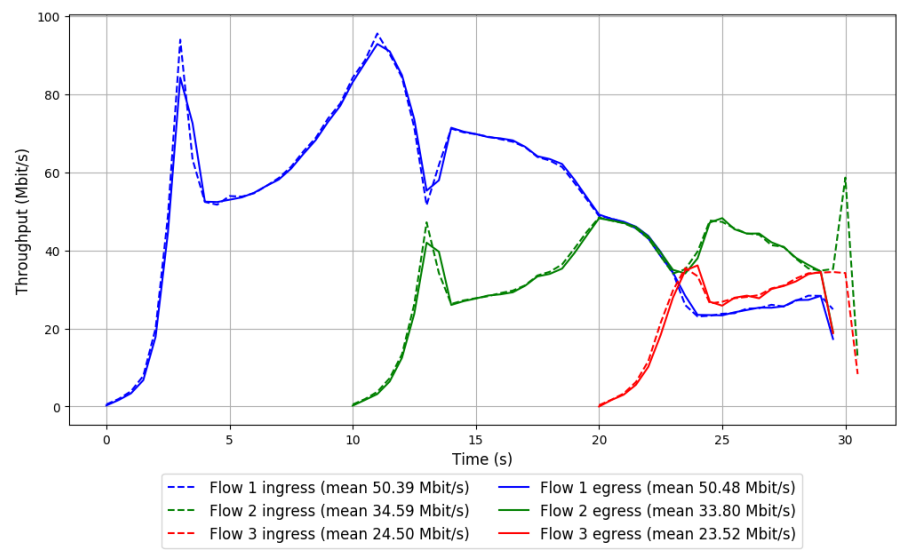


Run 10: Statistics of Vivace-latency

Start at: 2018-02-20 13:32:37  
End at: 2018-02-20 13:33:07  
Local clock offset: -11.848 ms  
Remote clock offset: -3.183 ms

# Below is generated by plot.py at 2018-02-20 17:59:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.53 Mbit/s  
95th percentile per-packet one-way delay: 115.860 ms  
Loss rate: 3.54%  
-- Flow 1:  
Average throughput: 50.48 Mbit/s  
95th percentile per-packet one-way delay: 111.873 ms  
Loss rate: 0.48%  
-- Flow 2:  
Average throughput: 33.80 Mbit/s  
95th percentile per-packet one-way delay: 117.628 ms  
Loss rate: 6.68%  
-- Flow 3:  
Average throughput: 23.52 Mbit/s  
95th percentile per-packet one-way delay: 117.276 ms  
Loss rate: 12.67%

Run 10: Report of Vivace-latency — Data Link

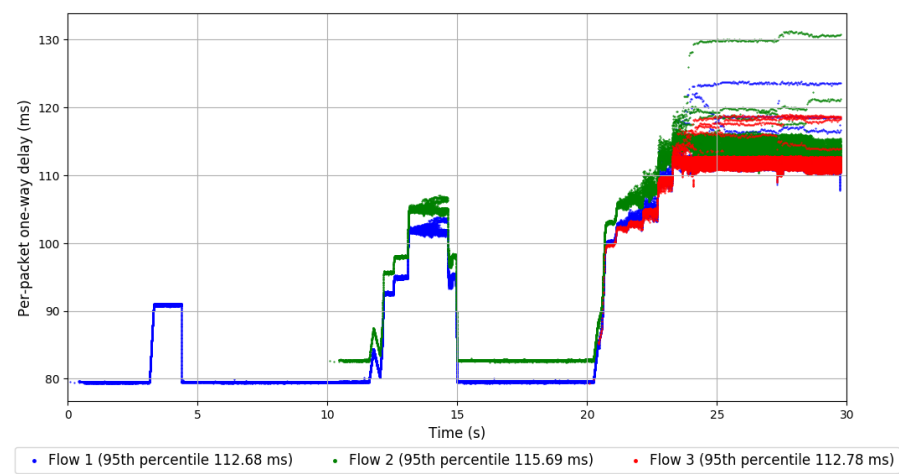
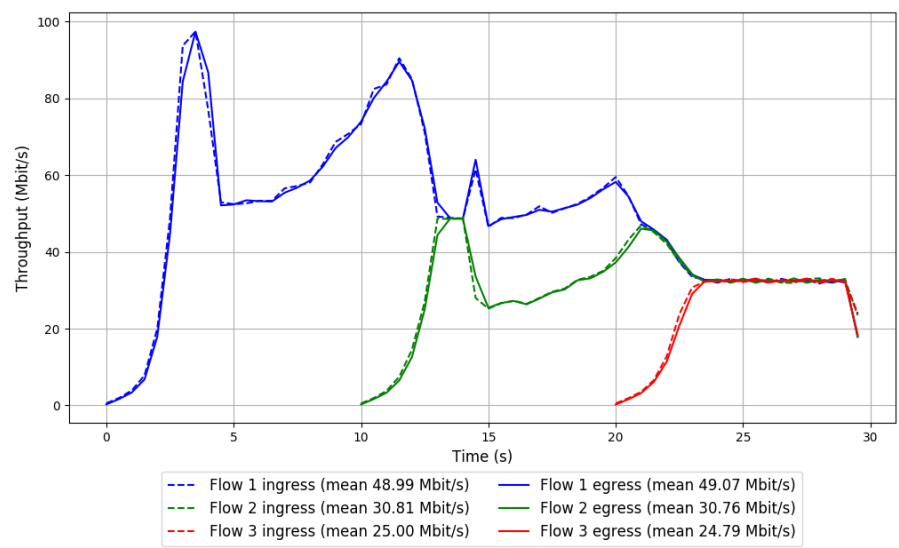


Run 1: Statistics of Vivace-loss

Start at: 2018-02-20 10:04:34  
End at: 2018-02-20 10:05:04  
Local clock offset: -14.469 ms  
Remote clock offset: 0.807 ms

# Below is generated by plot.py at 2018-02-20 17:59:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.55 Mbit/s  
95th percentile per-packet one-way delay: 114.148 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 49.07 Mbit/s  
95th percentile per-packet one-way delay: 112.677 ms  
Loss rate: 0.43%  
-- Flow 2:  
Average throughput: 30.76 Mbit/s  
95th percentile per-packet one-way delay: 115.688 ms  
Loss rate: 1.05%  
-- Flow 3:  
Average throughput: 24.79 Mbit/s  
95th percentile per-packet one-way delay: 112.785 ms  
Loss rate: 2.67%

Run 1: Report of Vivace-loss — Data Link

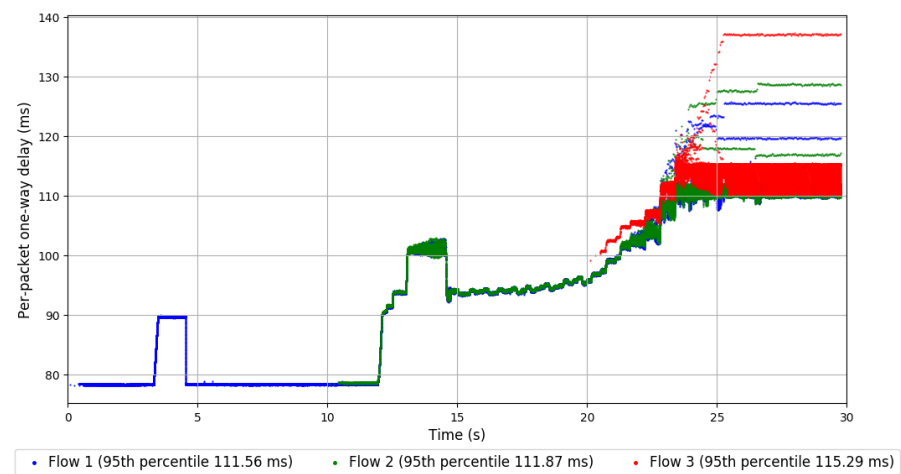
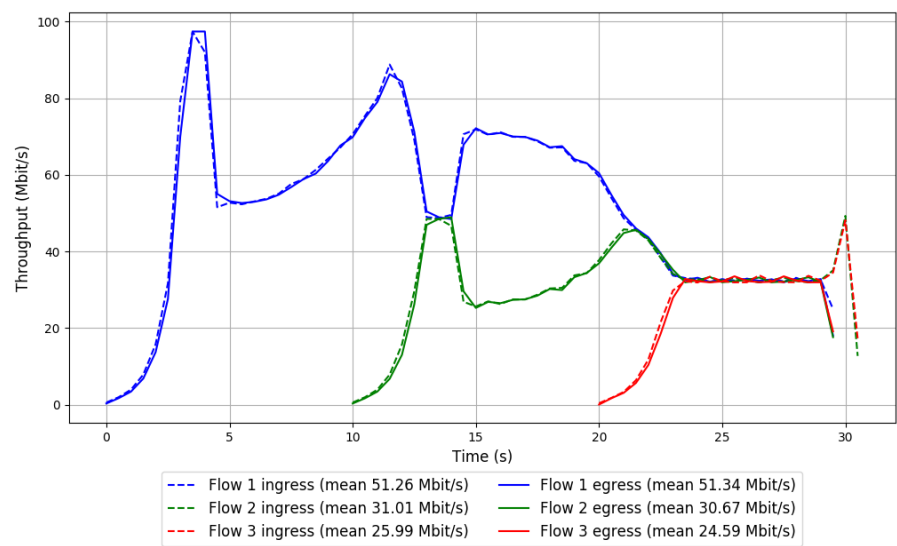


Run 2: Statistics of Vivace-loss

Start at: 2018-02-20 10:28:13  
End at: 2018-02-20 10:28:43  
Local clock offset: -14.423 ms  
Remote clock offset: 1.16 ms

# Below is generated by plot.py at 2018-02-20 18:00:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.67 Mbit/s  
95th percentile per-packet one-way delay: 114.448 ms  
Loss rate: 3.85%  
-- Flow 1:  
Average throughput: 51.34 Mbit/s  
95th percentile per-packet one-way delay: 111.559 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 30.67 Mbit/s  
95th percentile per-packet one-way delay: 111.867 ms  
Loss rate: 6.67%  
-- Flow 3:  
Average throughput: 24.59 Mbit/s  
95th percentile per-packet one-way delay: 115.290 ms  
Loss rate: 15.81%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-02-20 10:51:43

End at: 2018-02-20 10:52:13

Local clock offset: -14.63 ms

Remote clock offset: 2.097 ms

# Below is generated by plot.py at 2018-02-20 18:00:13

# Datalink statistics

-- Total of 3 flows:

Average throughput: 79.27 Mbit/s

95th percentile per-packet one-way delay: 110.956 ms

Loss rate: 3.04%

-- Flow 1:

Average throughput: 50.93 Mbit/s

95th percentile per-packet one-way delay: 110.862 ms

Loss rate: 1.69%

-- Flow 2:

Average throughput: 30.59 Mbit/s

95th percentile per-packet one-way delay: 111.028 ms

Loss rate: 6.24%

-- Flow 3:

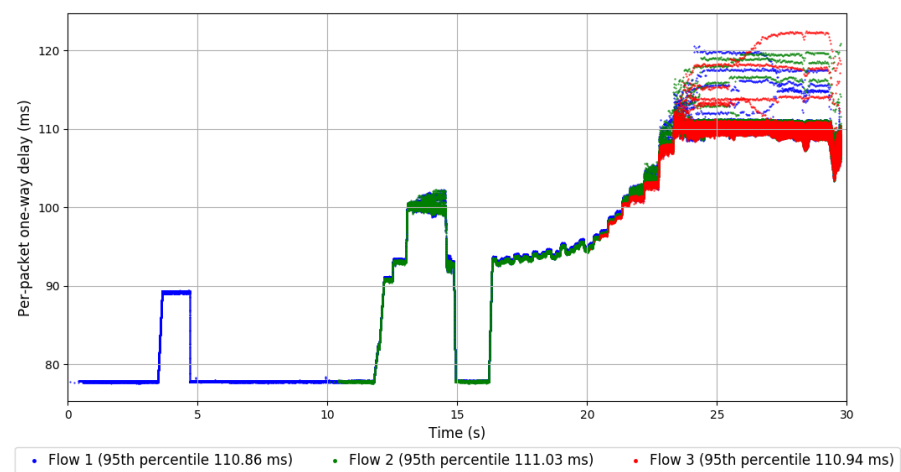
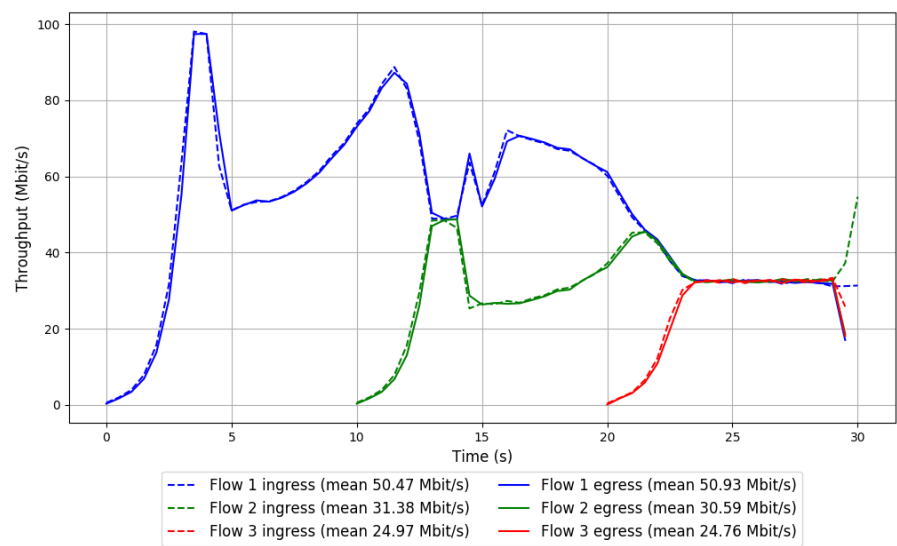
Average throughput: 24.76 Mbit/s

95th percentile per-packet one-way delay: 110.945 ms

Loss rate: 3.08%



Run 3: Report of Vivace-loss — Data Link

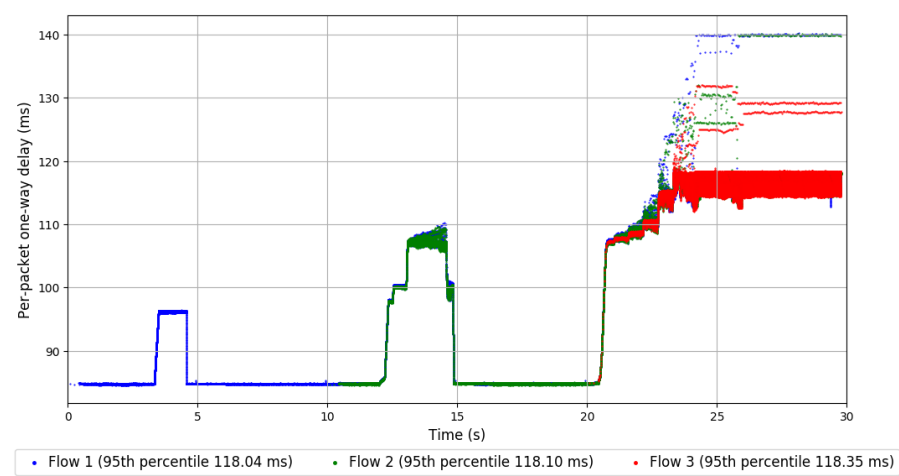
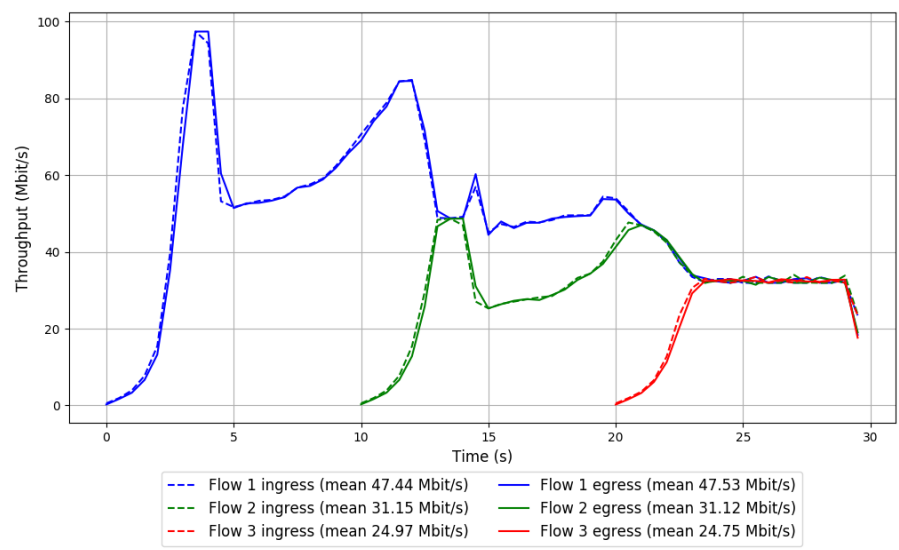


Run 4: Statistics of Vivace-loss

Start at: 2018-02-20 11:15:12  
End at: 2018-02-20 11:15:42  
Local clock offset: -14.049 ms  
Remote clock offset: -3.564 ms

# Below is generated by plot.py at 2018-02-20 18:00:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 76.22 Mbit/s  
95th percentile per-packet one-way delay: 118.124 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 47.53 Mbit/s  
95th percentile per-packet one-way delay: 118.043 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 31.12 Mbit/s  
95th percentile per-packet one-way delay: 118.103 ms  
Loss rate: 1.05%  
-- Flow 3:  
Average throughput: 24.75 Mbit/s  
95th percentile per-packet one-way delay: 118.353 ms  
Loss rate: 2.60%

Run 4: Report of Vivace-loss — Data Link

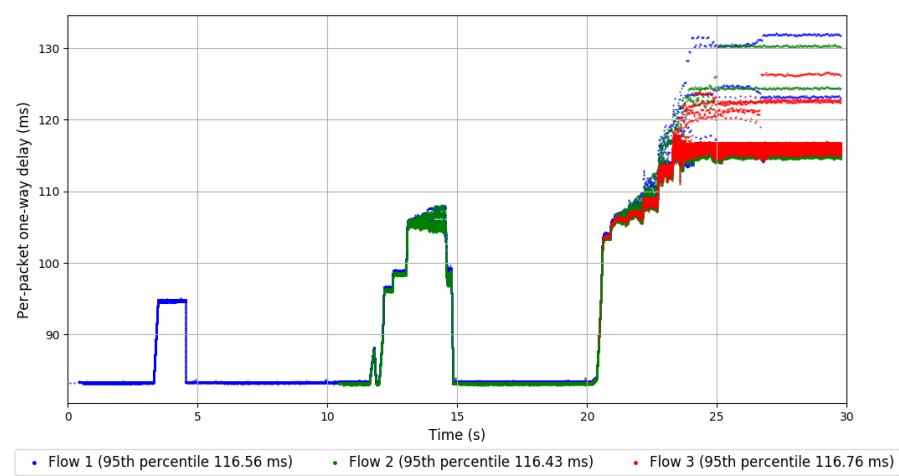
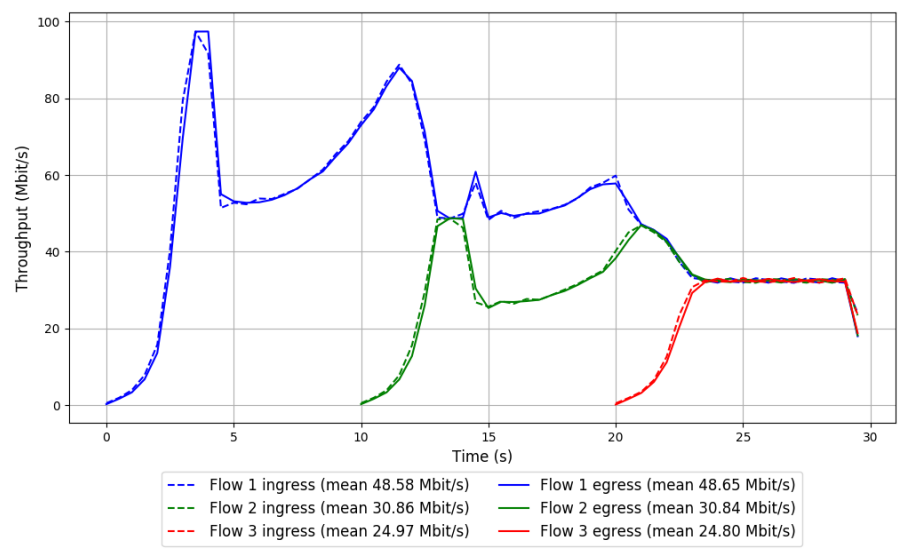


Run 5: Statistics of Vivace-loss

Start at: 2018-02-20 11:38:42  
End at: 2018-02-20 11:39:12  
Local clock offset: -14.304 ms  
Remote clock offset: -3.527 ms

# Below is generated by plot.py at 2018-02-20 18:00:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.17 Mbit/s  
95th percentile per-packet one-way delay: 116.602 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 48.65 Mbit/s  
95th percentile per-packet one-way delay: 116.557 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 30.84 Mbit/s  
95th percentile per-packet one-way delay: 116.427 ms  
Loss rate: 1.04%  
-- Flow 3:  
Average throughput: 24.80 Mbit/s  
95th percentile per-packet one-way delay: 116.760 ms  
Loss rate: 2.60%

Run 5: Report of Vivace-loss — Data Link

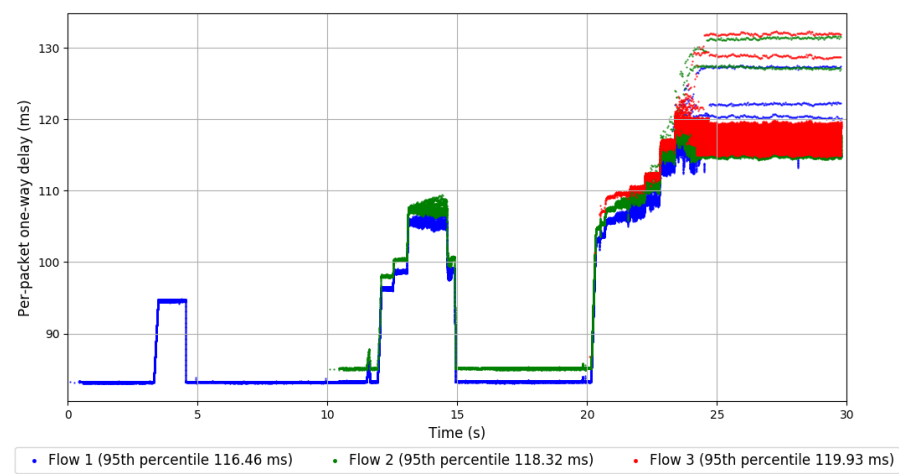
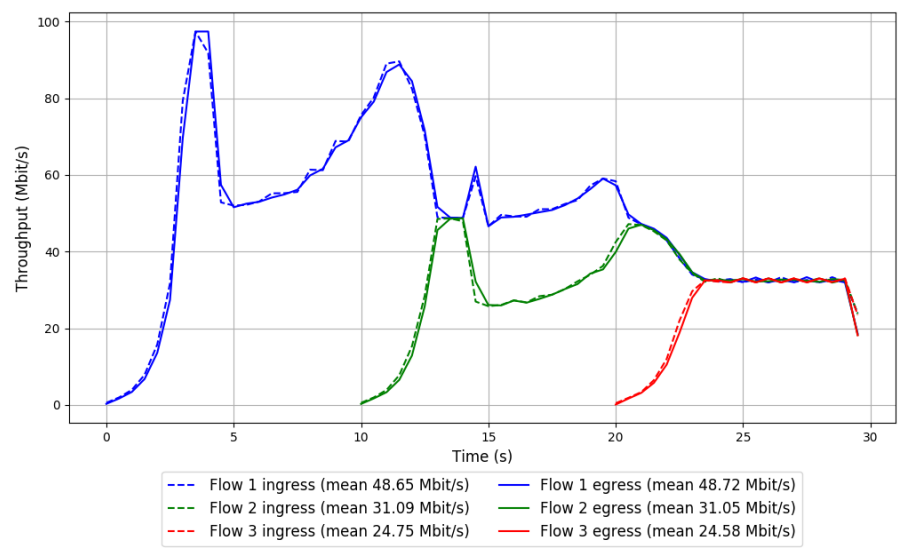


Run 6: Statistics of Vivace-loss

Start at: 2018-02-20 12:02:15  
End at: 2018-02-20 12:02:45  
Local clock offset: -14.851 ms  
Remote clock offset: -3.35 ms

# Below is generated by plot.py at 2018-02-20 18:00:13  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.32 Mbit/s  
95th percentile per-packet one-way delay: 118.306 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 48.72 Mbit/s  
95th percentile per-packet one-way delay: 116.462 ms  
Loss rate: 0.45%  
-- Flow 2:  
Average throughput: 31.05 Mbit/s  
95th percentile per-packet one-way delay: 118.317 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 24.58 Mbit/s  
95th percentile per-packet one-way delay: 119.929 ms  
Loss rate: 2.63%

Run 6: Report of Vivace-loss — Data Link



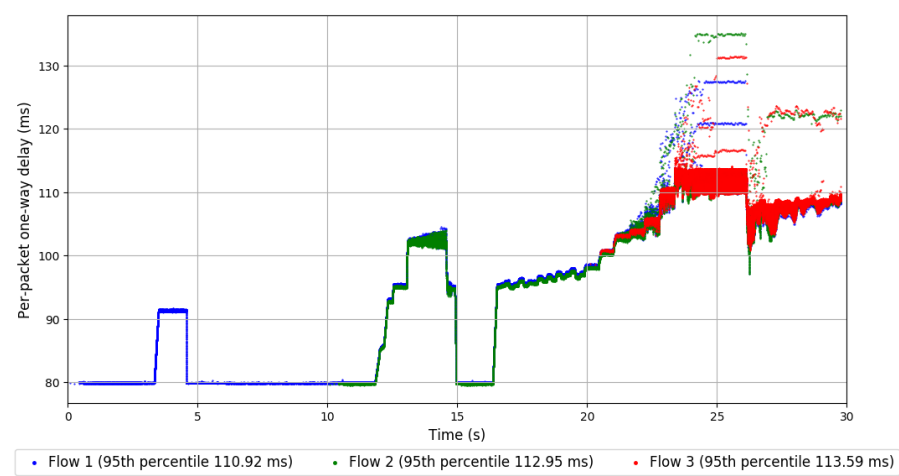
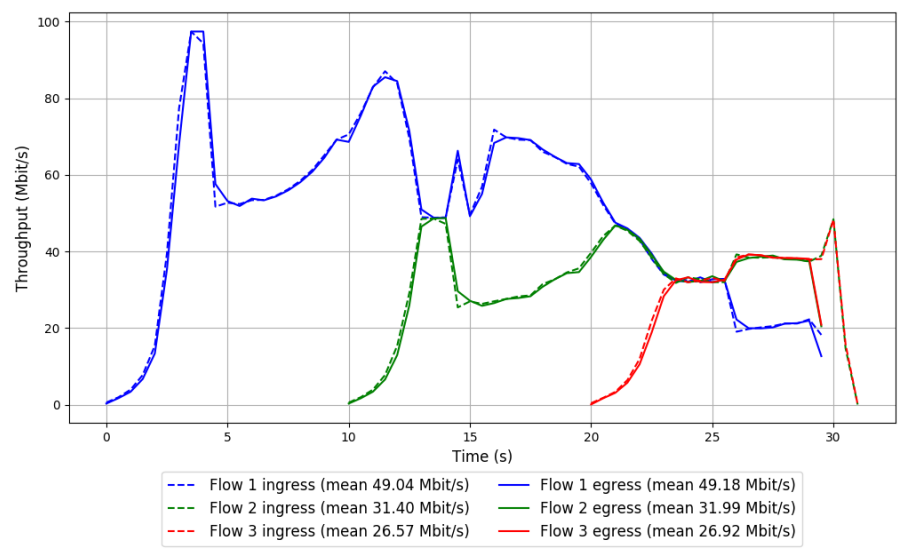
Run 7: Statistics of Vivace-loss

Start at: 2018-02-20 12:25:50  
End at: 2018-02-20 12:26:20  
Local clock offset: -11.183 ms  
Remote clock offset: 1.666 ms

```
# Below is generated by plot.py at 2018-02-20 18:00:16
# Datalink statistics
-- Total of 3 flows:
Average throughput: 79.15 Mbit/s
95th percentile per-packet one-way delay: 112.831 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 49.18 Mbit/s
95th percentile per-packet one-way delay: 110.916 ms
Loss rate: 0.36%
-- Flow 2:
Average throughput: 31.99 Mbit/s
95th percentile per-packet one-way delay: 112.954 ms
Loss rate: 6.63%
-- Flow 3:
Average throughput: 26.92 Mbit/s
95th percentile per-packet one-way delay: 113.586 ms
Loss rate: 14.68%
```



Run 7: Report of Vivace-loss — Data Link

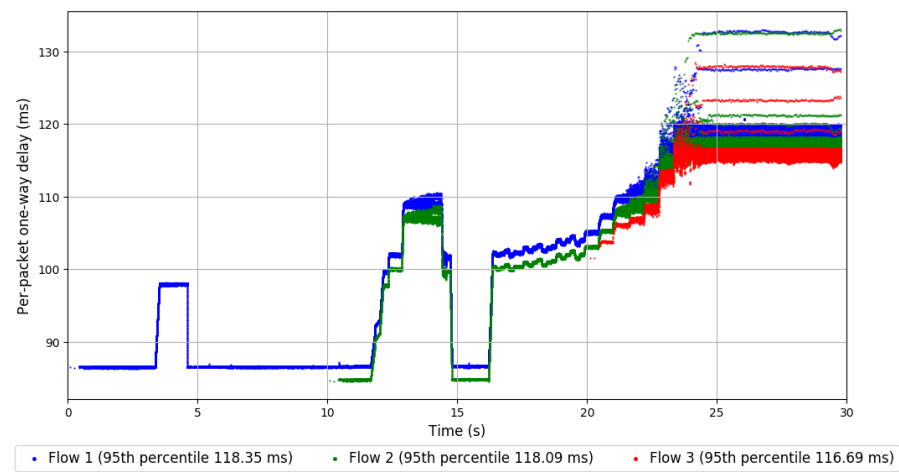
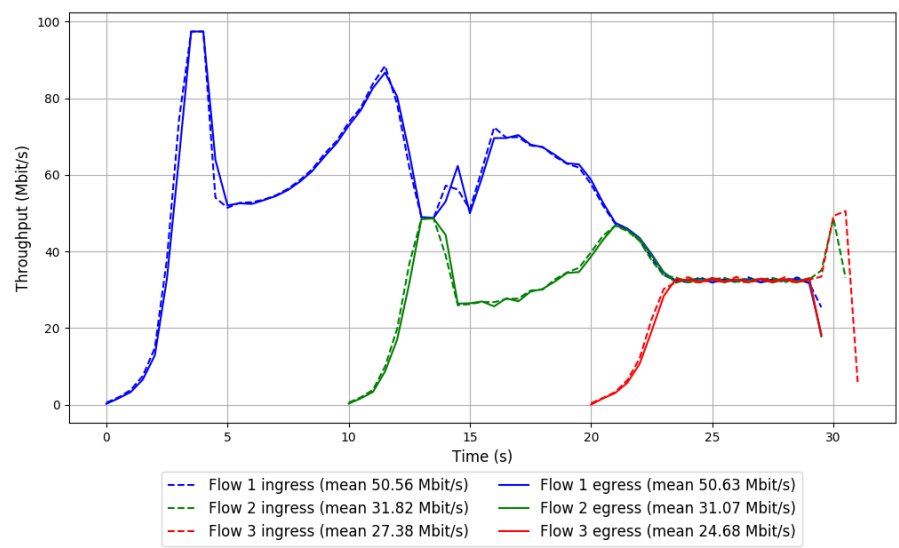


Run 8: Statistics of Vivace-loss

Start at: 2018-02-20 12:49:29  
End at: 2018-02-20 12:49:59  
Local clock offset: -13.98 ms  
Remote clock offset: -3.212 ms

# Below is generated by plot.py at 2018-02-20 18:00:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.26 Mbit/s  
95th percentile per-packet one-way delay: 118.109 ms  
Loss rate: 5.03%  
-- Flow 1:  
Average throughput: 50.63 Mbit/s  
95th percentile per-packet one-way delay: 118.350 ms  
Loss rate: 0.49%  
-- Flow 2:  
Average throughput: 31.07 Mbit/s  
95th percentile per-packet one-way delay: 118.090 ms  
Loss rate: 7.98%  
-- Flow 3:  
Average throughput: 24.68 Mbit/s  
95th percentile per-packet one-way delay: 116.694 ms  
Loss rate: 21.22%

Run 8: Report of Vivace-loss — Data Link

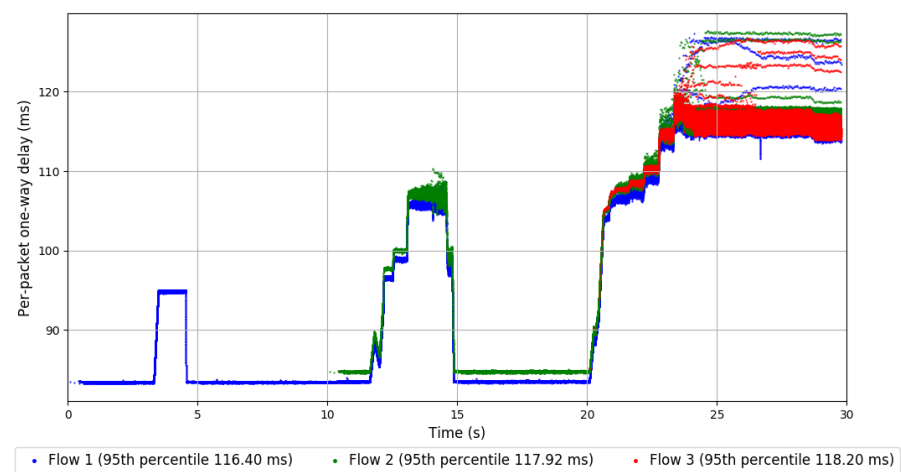
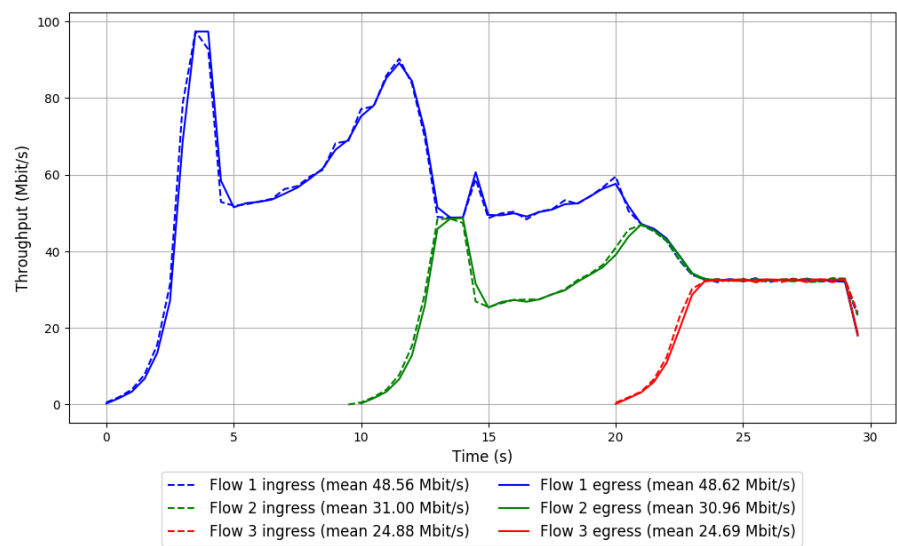


Run 9: Statistics of Vivace-loss

Start at: 2018-02-20 13:13:02  
End at: 2018-02-20 13:13:32  
Local clock offset: -16.258 ms  
Remote clock offset: -3.195 ms

# Below is generated by plot.py at 2018-02-20 18:00:42  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.20 Mbit/s  
95th percentile per-packet one-way delay: 117.393 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 48.62 Mbit/s  
95th percentile per-packet one-way delay: 116.403 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 30.96 Mbit/s  
95th percentile per-packet one-way delay: 117.916 ms  
Loss rate: 1.04%  
-- Flow 3:  
Average throughput: 24.69 Mbit/s  
95th percentile per-packet one-way delay: 118.205 ms  
Loss rate: 2.65%

Run 9: Report of Vivace-loss — Data Link

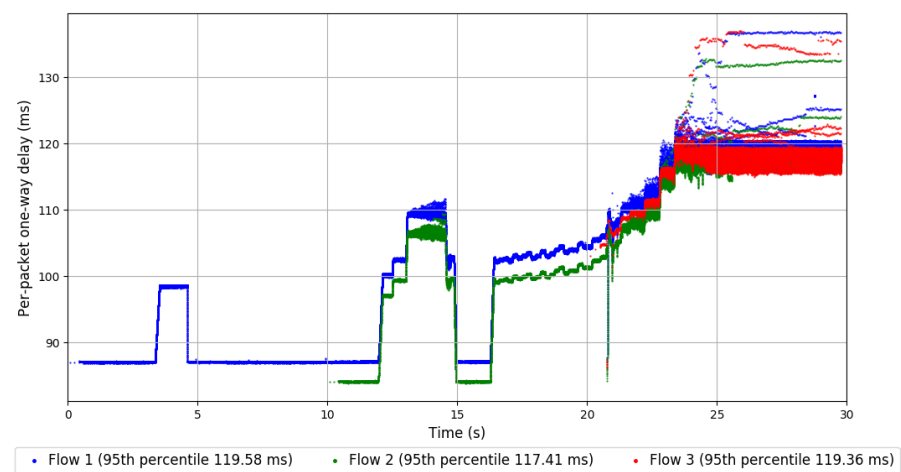
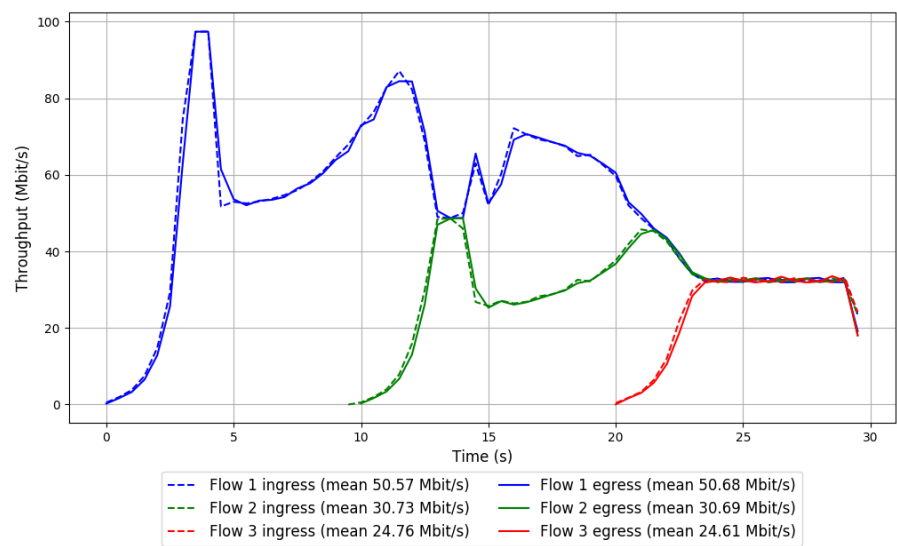


Run 10: Statistics of Vivace-loss

Start at: 2018-02-20 13:36:38  
End at: 2018-02-20 13:37:08  
Local clock offset: -11.554 ms  
Remote clock offset: -4.068 ms

# Below is generated by plot.py at 2018-02-20 18:01:16  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.03 Mbit/s  
95th percentile per-packet one-way delay: 119.308 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 50.68 Mbit/s  
95th percentile per-packet one-way delay: 119.580 ms  
Loss rate: 0.42%  
-- Flow 2:  
Average throughput: 30.69 Mbit/s  
95th percentile per-packet one-way delay: 117.406 ms  
Loss rate: 1.05%  
-- Flow 3:  
Average throughput: 24.61 Mbit/s  
95th percentile per-packet one-way delay: 119.361 ms  
Loss rate: 2.76%

Run 10: Report of Vivace-loss — Data Link



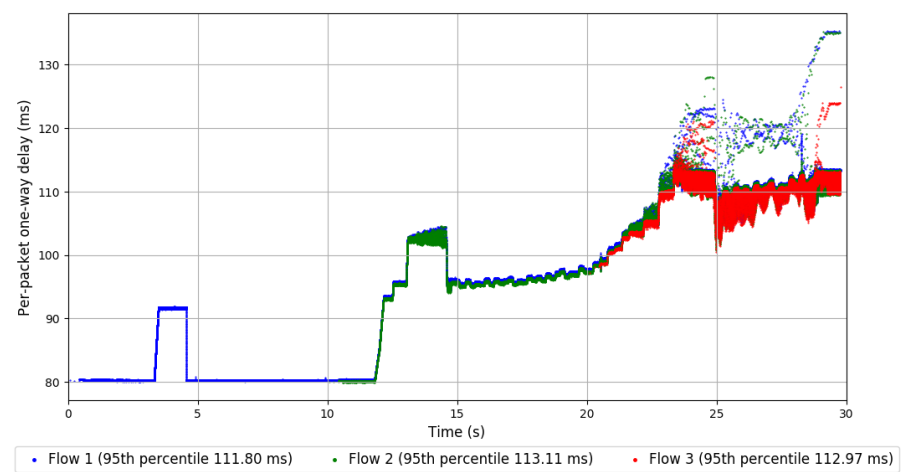
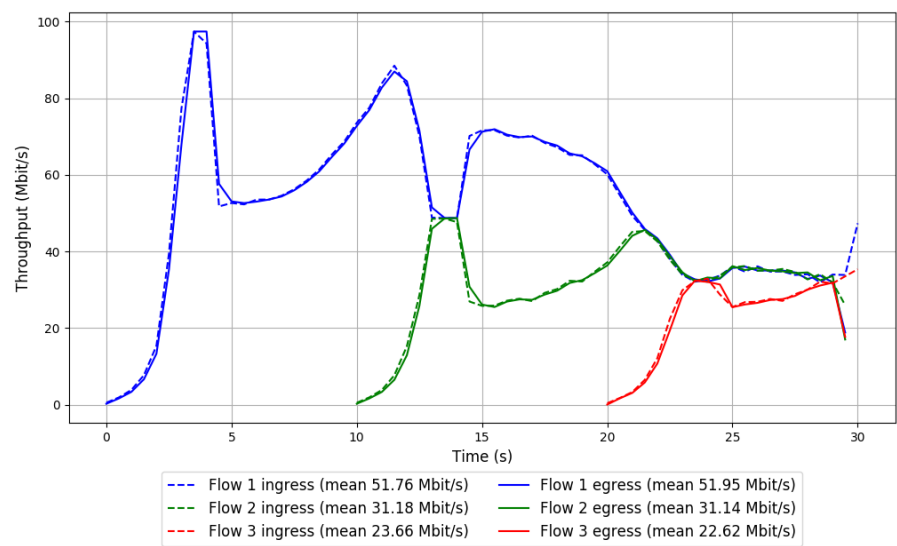
Run 1: Statistics of Vivace-LTE

Start at: 2018-02-20 09:48:45  
End at: 2018-02-20 09:49:15  
Local clock offset: -15.955 ms  
Remote clock offset: 1.279 ms

# Below is generated by plot.py at 2018-02-20 18:01:26  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.95 Mbit/s  
95th percentile per-packet one-way delay: 112.725 ms  
Loss rate: 2.95%  
-- Flow 1:  
Average throughput: 51.95 Mbit/s  
95th percentile per-packet one-way delay: 111.801 ms  
Loss rate: 2.24%  
-- Flow 2:  
Average throughput: 31.14 Mbit/s  
95th percentile per-packet one-way delay: 113.105 ms  
Loss rate: 1.24%  
-- Flow 3:  
Average throughput: 22.62 Mbit/s  
95th percentile per-packet one-way delay: 112.974 ms  
Loss rate: 11.76%



Run 1: Report of Vivace-LTE — Data Link

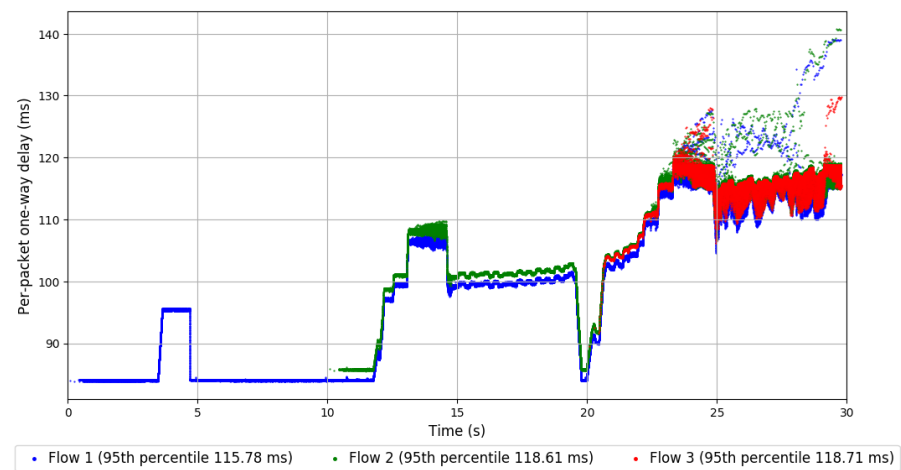
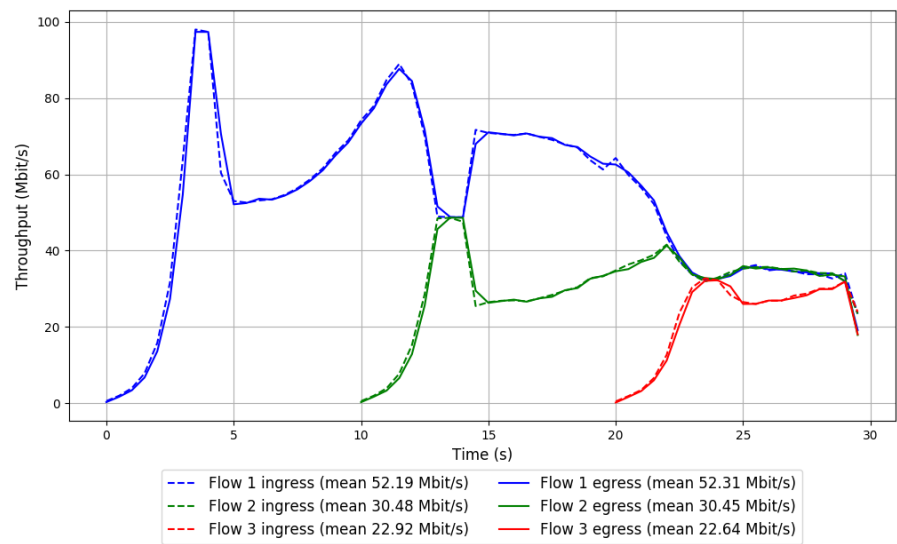


Run 2: Statistics of Vivace-LTE

Start at: 2018-02-20 10:12:19  
End at: 2018-02-20 10:12:49  
Local clock offset: -14.384 ms  
Remote clock offset: -4.152 ms

# Below is generated by plot.py at 2018-02-20 18:01:28  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.86 Mbit/s  
95th percentile per-packet one-way delay: 117.607 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 52.31 Mbit/s  
95th percentile per-packet one-way delay: 115.783 ms  
Loss rate: 0.41%  
-- Flow 2:  
Average throughput: 30.45 Mbit/s  
95th percentile per-packet one-way delay: 118.615 ms  
Loss rate: 1.06%  
-- Flow 3:  
Average throughput: 22.64 Mbit/s  
95th percentile per-packet one-way delay: 118.713 ms  
Loss rate: 2.94%

Run 2: Report of Vivace-LTE — Data Link

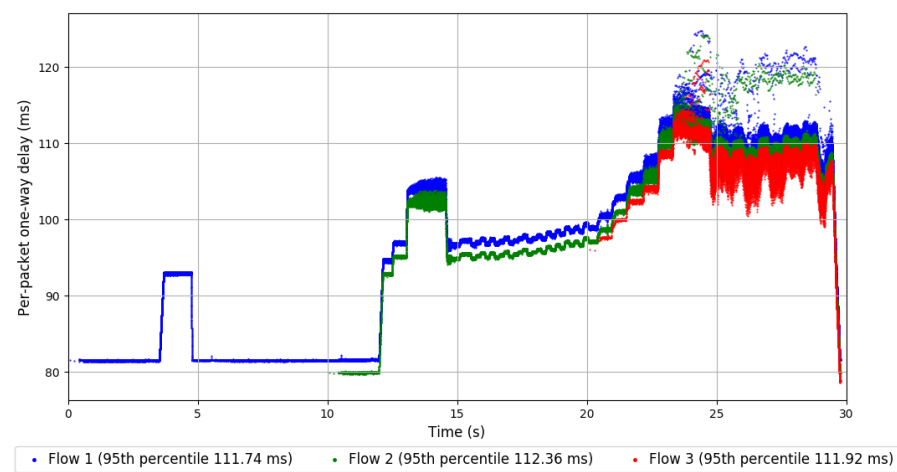
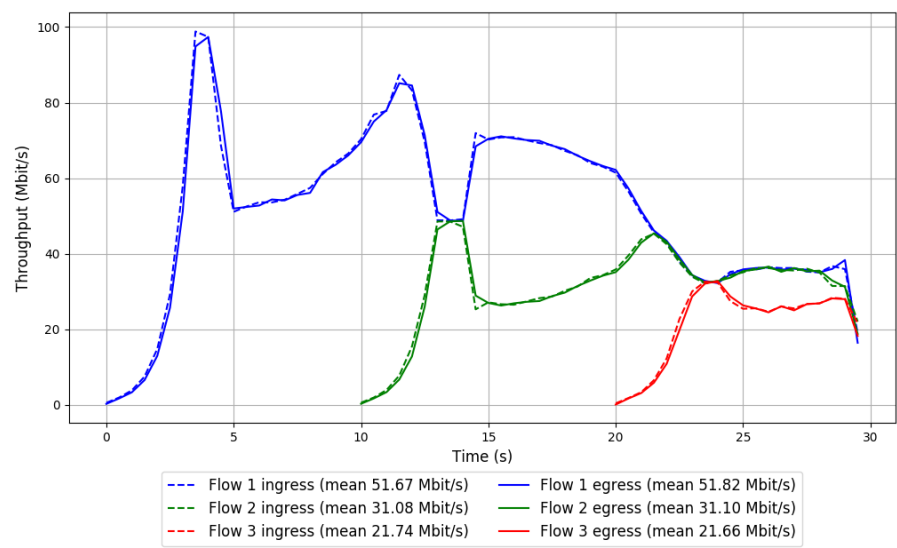


Run 3: Statistics of Vivace-LTE

Start at: 2018-02-20 10:35:59  
End at: 2018-02-20 10:36:29  
Local clock offset: -14.526 ms  
Remote clock offset: 1.211 ms

# Below is generated by plot.py at 2018-02-20 18:01:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.50 Mbit/s  
95th percentile per-packet one-way delay: 111.883 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 51.82 Mbit/s  
95th percentile per-packet one-way delay: 111.736 ms  
Loss rate: 0.27%  
-- Flow 2:  
Average throughput: 31.10 Mbit/s  
95th percentile per-packet one-way delay: 112.359 ms  
Loss rate: 0.78%  
-- Flow 3:  
Average throughput: 21.66 Mbit/s  
95th percentile per-packet one-way delay: 111.918 ms  
Loss rate: 2.20%

Run 3: Report of Vivace-LTE — Data Link

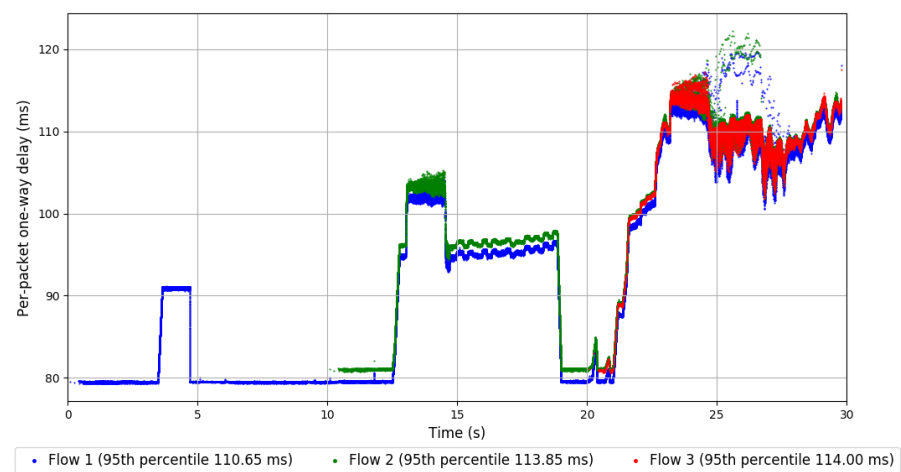
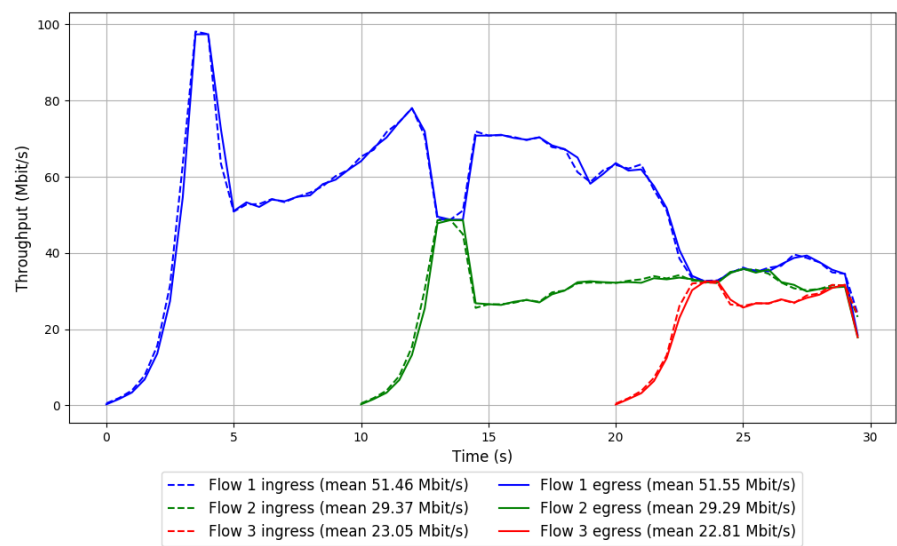


Run 4: Statistics of Vivace-LTE

Start at: 2018-02-20 10:59:29  
End at: 2018-02-20 10:59:59  
Local clock offset: -14.505 ms  
Remote clock offset: 0.299 ms

# Below is generated by plot.py at 2018-02-20 18:01:29  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 78.40 Mbit/s  
95th percentile per-packet one-way delay: 113.087 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 51.55 Mbit/s  
95th percentile per-packet one-way delay: 110.653 ms  
Loss rate: 0.43%  
-- Flow 2:  
Average throughput: 29.29 Mbit/s  
95th percentile per-packet one-way delay: 113.848 ms  
Loss rate: 1.10%  
-- Flow 3:  
Average throughput: 22.81 Mbit/s  
95th percentile per-packet one-way delay: 114.001 ms  
Loss rate: 2.87%

Run 4: Report of Vivace-LTE — Data Link



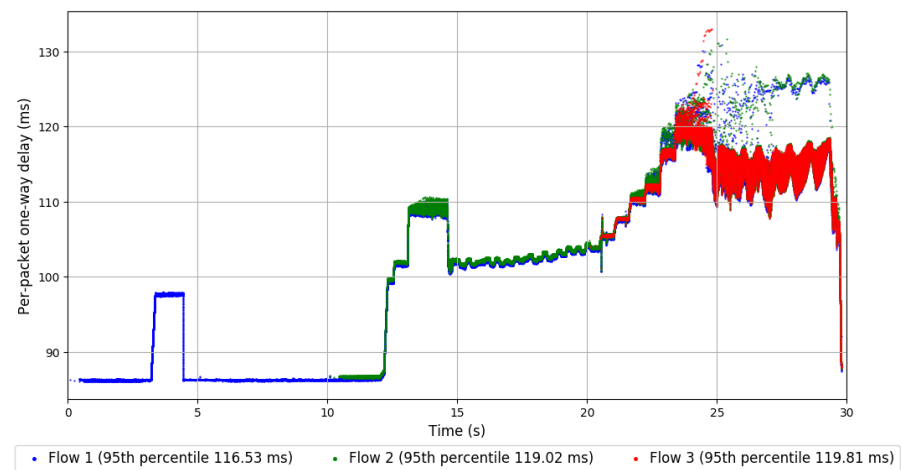
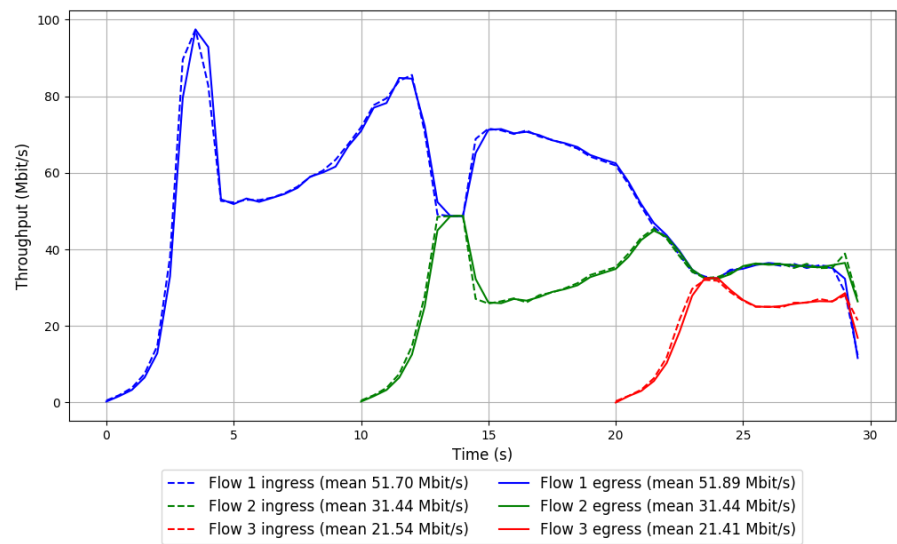
Run 5: Statistics of Vivace-LTE

Start at: 2018-02-20 11:22:57  
End at: 2018-02-20 11:23:27  
Local clock offset: -13.882 ms  
Remote clock offset: -3.59 ms

# Below is generated by plot.py at 2018-02-20 18:01:31  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.70 Mbit/s  
95th percentile per-packet one-way delay: 118.379 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 51.89 Mbit/s  
95th percentile per-packet one-way delay: 116.530 ms  
Loss rate: 0.19%  
-- Flow 2:  
Average throughput: 31.44 Mbit/s  
95th percentile per-packet one-way delay: 119.020 ms  
Loss rate: 0.85%  
-- Flow 3:  
Average throughput: 21.41 Mbit/s  
95th percentile per-packet one-way delay: 119.807 ms  
Loss rate: 2.47%



Run 5: Report of Vivace-LTE — Data Link

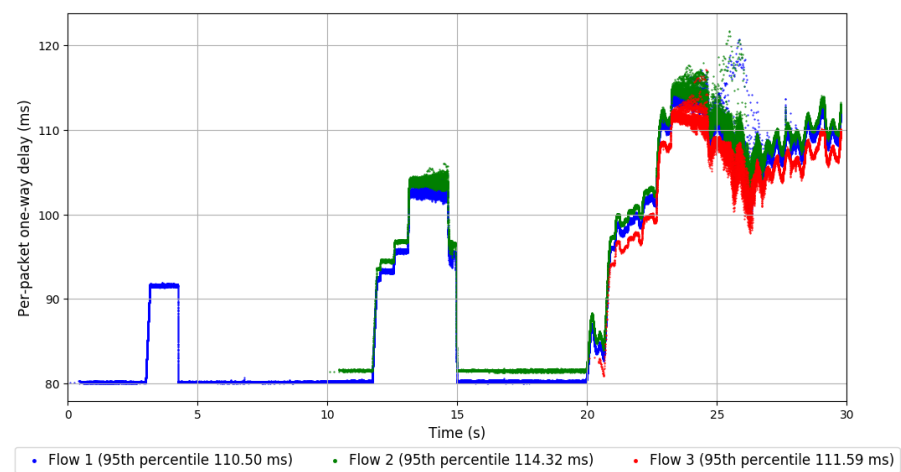
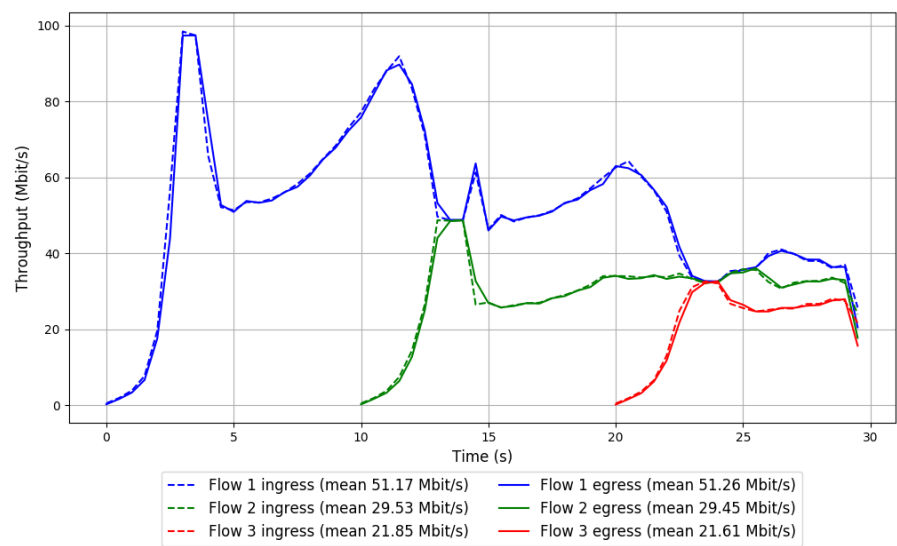


Run 6: Statistics of Vivace-LTE

Start at: 2018-02-20 11:46:28  
End at: 2018-02-20 11:46:58  
Local clock offset: -14.642 ms  
Remote clock offset: 1.184 ms

# Below is generated by plot.py at 2018-02-20 18:01:46  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 77.83 Mbit/s  
95th percentile per-packet one-way delay: 112.016 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 51.26 Mbit/s  
95th percentile per-packet one-way delay: 110.503 ms  
Loss rate: 0.44%  
-- Flow 2:  
Average throughput: 29.45 Mbit/s  
95th percentile per-packet one-way delay: 114.320 ms  
Loss rate: 1.12%  
-- Flow 3:  
Average throughput: 21.61 Mbit/s  
95th percentile per-packet one-way delay: 111.587 ms  
Loss rate: 2.78%

Run 6: Report of Vivace-LTE — Data Link

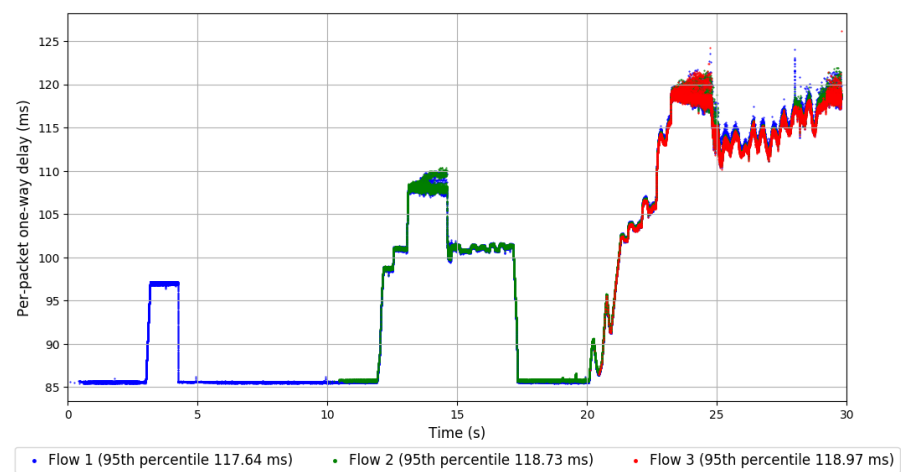
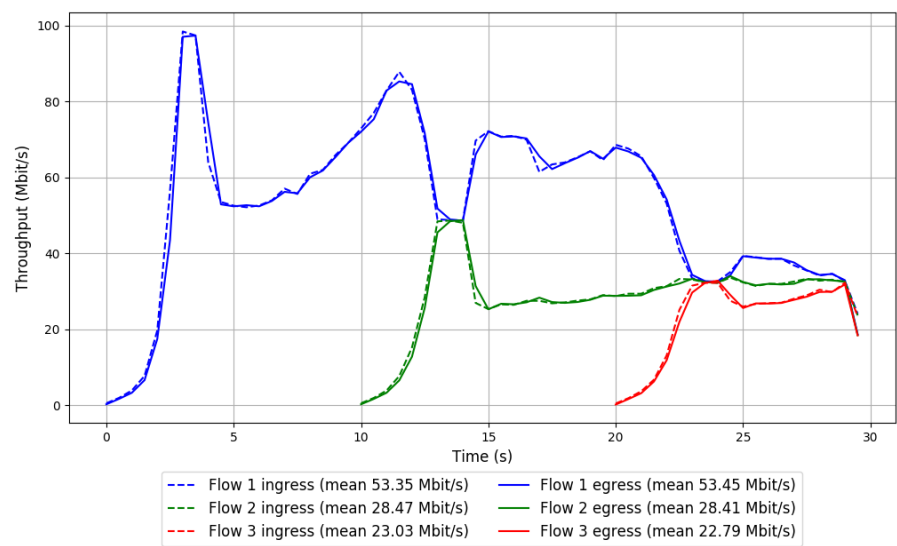


Run 7: Statistics of Vivace-LTE

Start at: 2018-02-20 12:10:01  
End at: 2018-02-20 12:10:31  
Local clock offset: -13.383 ms  
Remote clock offset: -3.98 ms

# Below is generated by plot.py at 2018-02-20 18:01:48  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.71 Mbit/s  
95th percentile per-packet one-way delay: 118.512 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 53.45 Mbit/s  
95th percentile per-packet one-way delay: 117.640 ms  
Loss rate: 0.41%  
-- Flow 2:  
Average throughput: 28.41 Mbit/s  
95th percentile per-packet one-way delay: 118.734 ms  
Loss rate: 1.14%  
-- Flow 3:  
Average throughput: 22.79 Mbit/s  
95th percentile per-packet one-way delay: 118.968 ms  
Loss rate: 2.81%

Run 7: Report of Vivace-LTE — Data Link

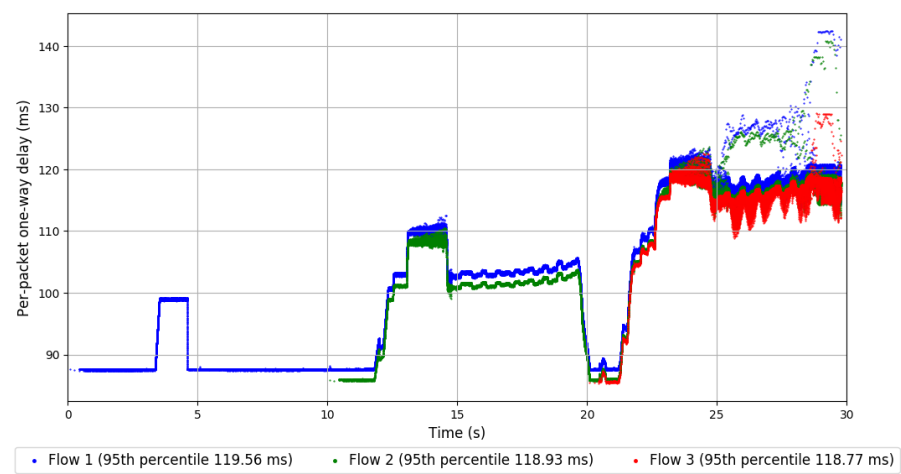
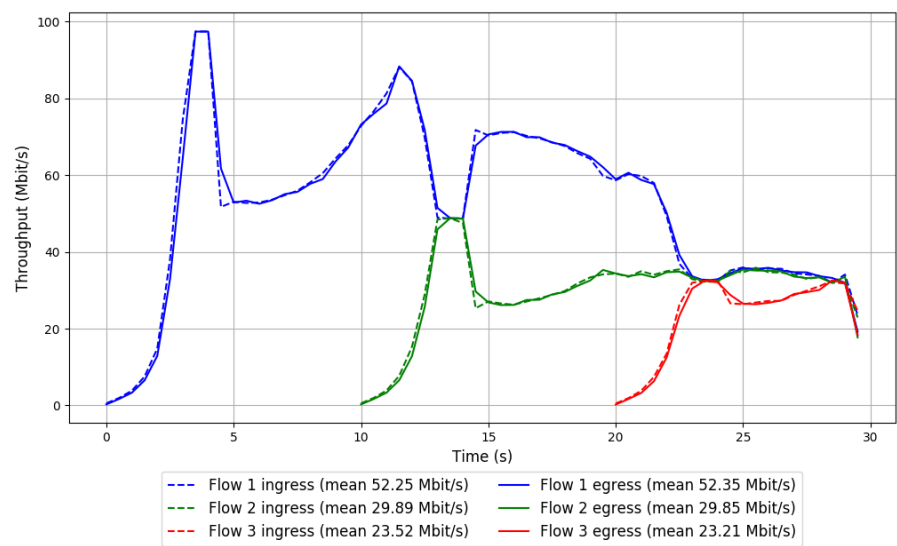


Run 8: Statistics of Vivace-LTE

Start at: 2018-02-20 12:33:37  
End at: 2018-02-20 12:34:07  
Local clock offset: -10.623 ms  
Remote clock offset: -4.143 ms

# Below is generated by plot.py at 2018-02-20 18:02:02  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.70 Mbit/s  
95th percentile per-packet one-way delay: 119.025 ms  
Loss rate: 0.80%  
-- Flow 1:  
Average throughput: 52.35 Mbit/s  
95th percentile per-packet one-way delay: 119.555 ms  
Loss rate: 0.41%  
-- Flow 2:  
Average throughput: 29.85 Mbit/s  
95th percentile per-packet one-way delay: 118.933 ms  
Loss rate: 0.99%  
-- Flow 3:  
Average throughput: 23.21 Mbit/s  
95th percentile per-packet one-way delay: 118.772 ms  
Loss rate: 2.95%

Run 8: Report of Vivace-LTE — Data Link



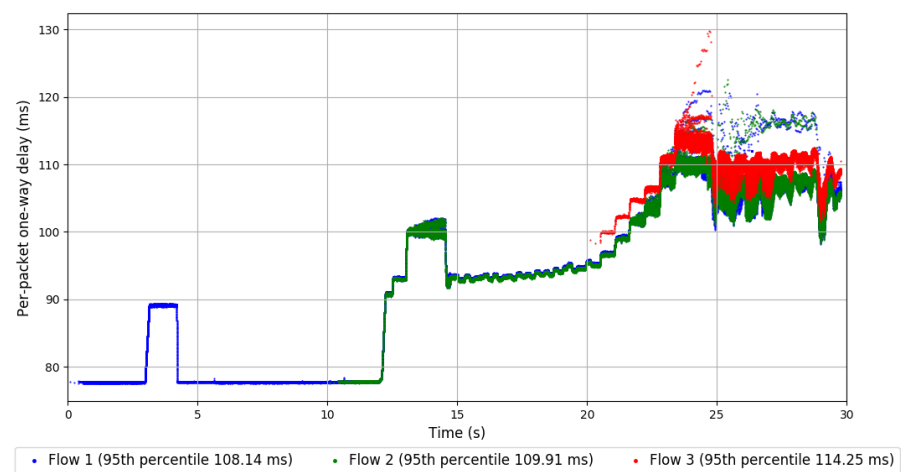
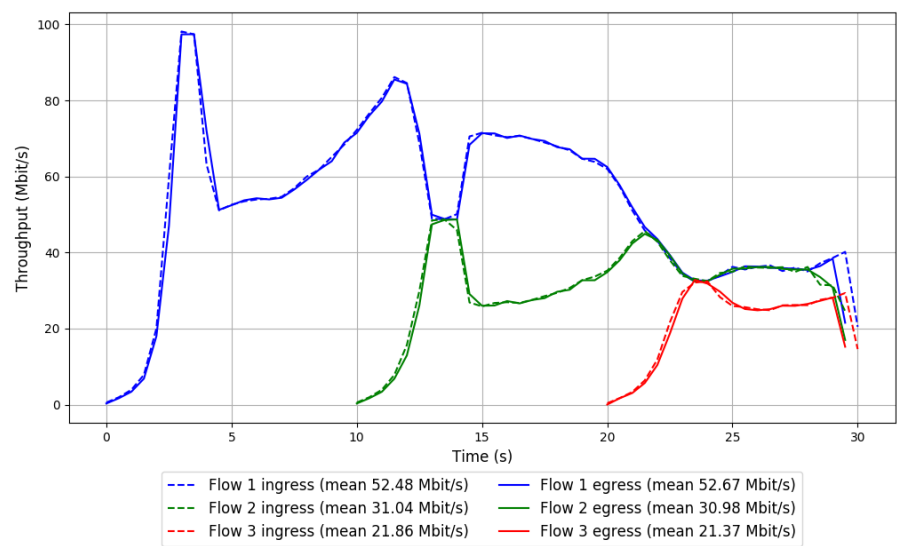
Run 9: Statistics of Vivace-LTE

Start at: 2018-02-20 12:57:15  
End at: 2018-02-20 12:57:45  
Local clock offset: -15.156 ms  
Remote clock offset: 2.386 ms

# Below is generated by plot.py at 2018-02-20 18:02:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 80.16 Mbit/s  
95th percentile per-packet one-way delay: 110.906 ms  
Loss rate: 1.98%  
-- Flow 1:  
Average throughput: 52.67 Mbit/s  
95th percentile per-packet one-way delay: 108.141 ms  
Loss rate: 1.49%  
-- Flow 2:  
Average throughput: 30.98 Mbit/s  
95th percentile per-packet one-way delay: 109.912 ms  
Loss rate: 1.13%  
-- Flow 3:  
Average throughput: 21.37 Mbit/s  
95th percentile per-packet one-way delay: 114.249 ms  
Loss rate: 7.72%



Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-02-20 13:20:48  
End at: 2018-02-20 13:21:18  
Local clock offset: -13.61 ms  
Remote clock offset: -3.216 ms

# Below is generated by plot.py at 2018-02-20 18:02:03  
# Datalink statistics  
-- Total of 3 flows:  
Average throughput: 79.27 Mbit/s  
95th percentile per-packet one-way delay: 118.092 ms  
Loss rate: 1.56%  
-- Flow 1:  
Average throughput: 52.00 Mbit/s  
95th percentile per-packet one-way delay: 117.265 ms  
Loss rate: 0.47%  
-- Flow 2:  
Average throughput: 30.07 Mbit/s  
95th percentile per-packet one-way delay: 119.296 ms  
Loss rate: 2.42%  
-- Flow 3:  
Average throughput: 22.52 Mbit/s  
95th percentile per-packet one-way delay: 117.998 ms  
Loss rate: 6.53%

# Run 10: Report of Vivace-LTE — Data Link

